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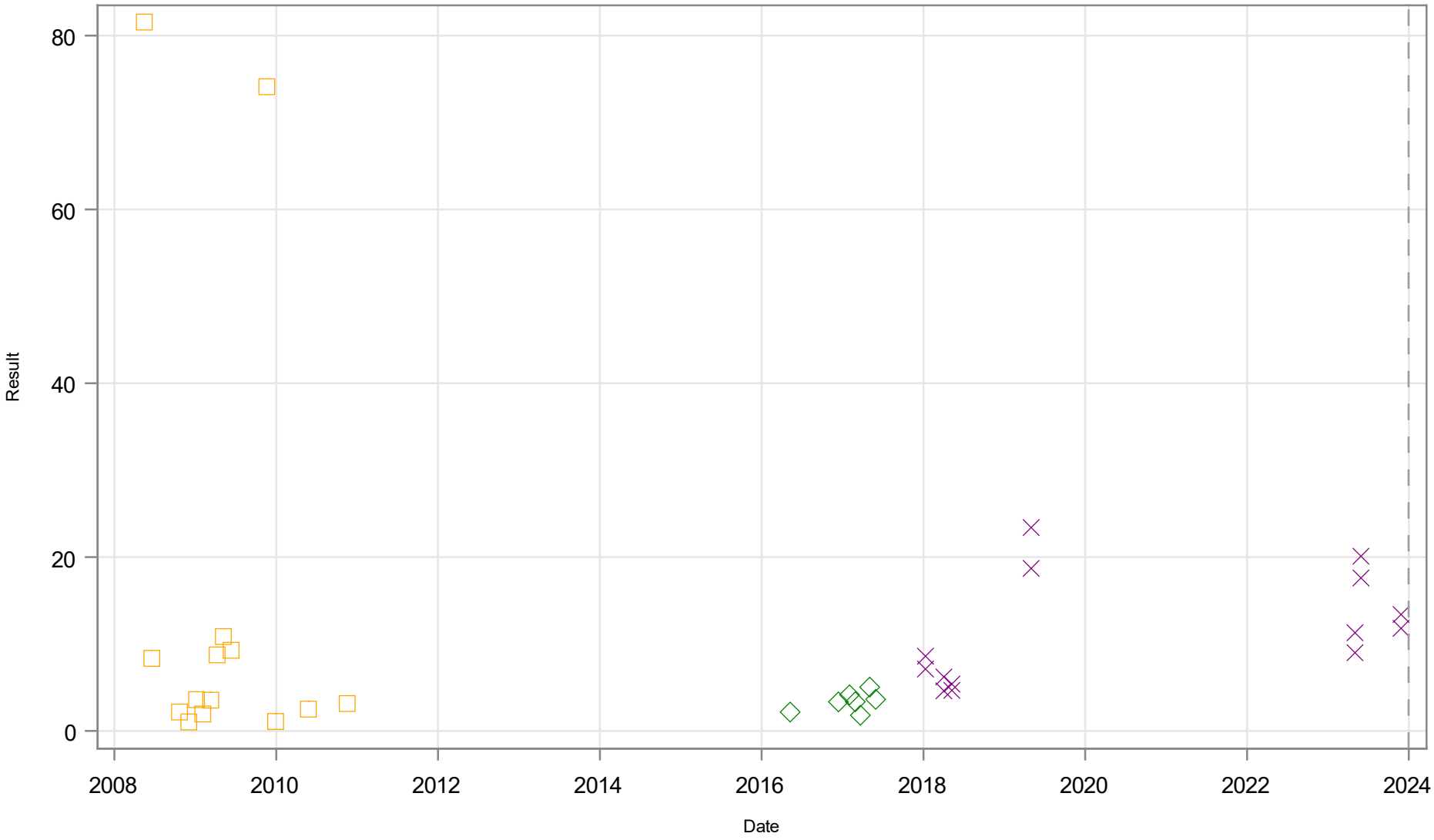
Appendix M

Water Quality Descriptive Plots and Statistics by Station

DRAFT

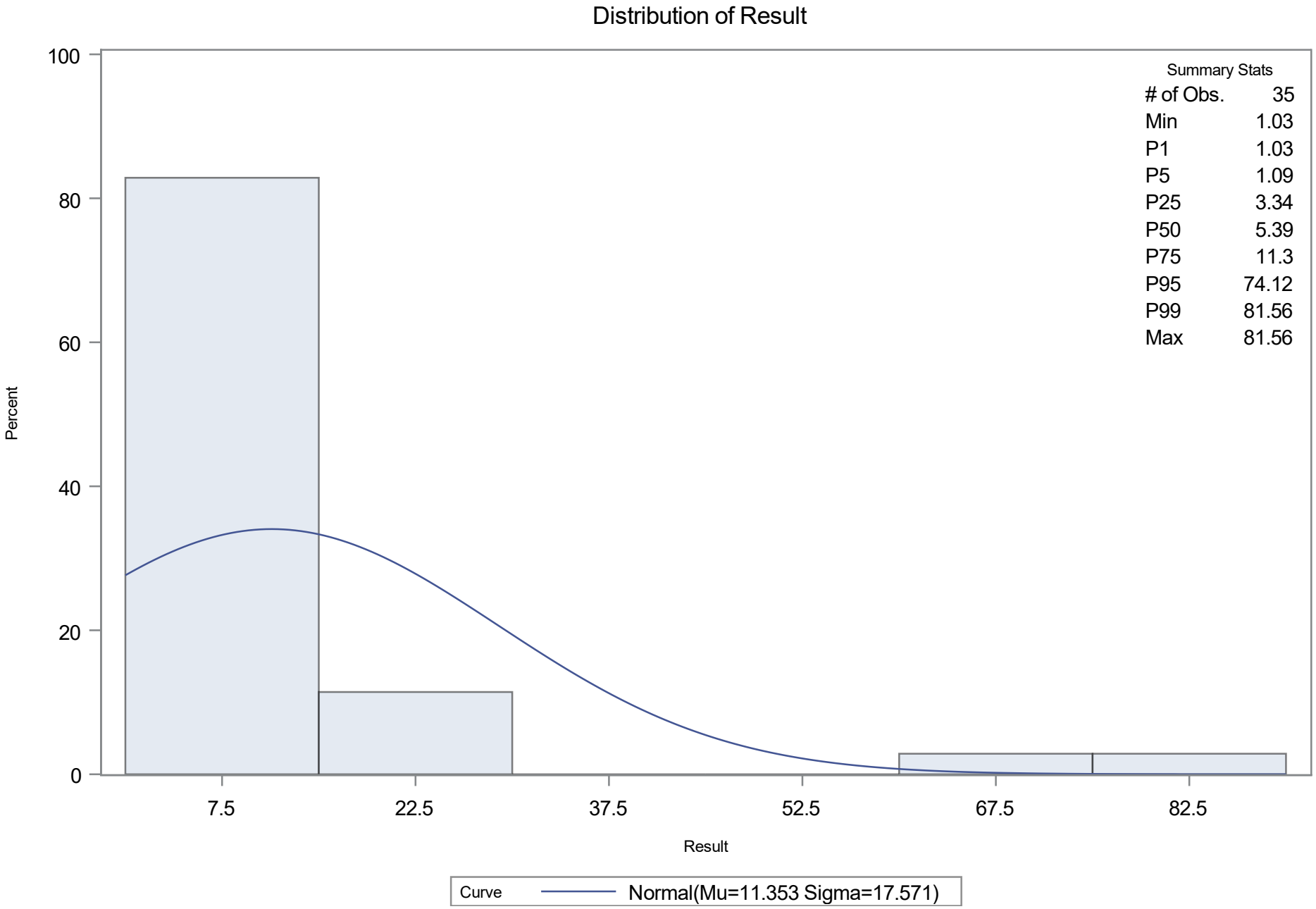
Timeseries of Surface CHLOROPHYLL A (MONOCHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface CHLOROPHYLL A (MONOCHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface CHLOROPHYLL A (MONOCHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.35257
Std Dev	Sigma	17.57146

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28984268	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.03230646	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.72634478	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.03000	-29.52476
5.0	1.09000	-17.54991
10.0	1.95000	-11.16616
25.0	3.34000	-0.49920
50.0	5.39000	11.35257
75.0	11.30000	23.20434
90.0	20.10000	33.87131
95.0	74.12000	40.25506
99.0	81.56000	52.22991

Period of Record: January 1996 through December 2023
Analysis Days Only

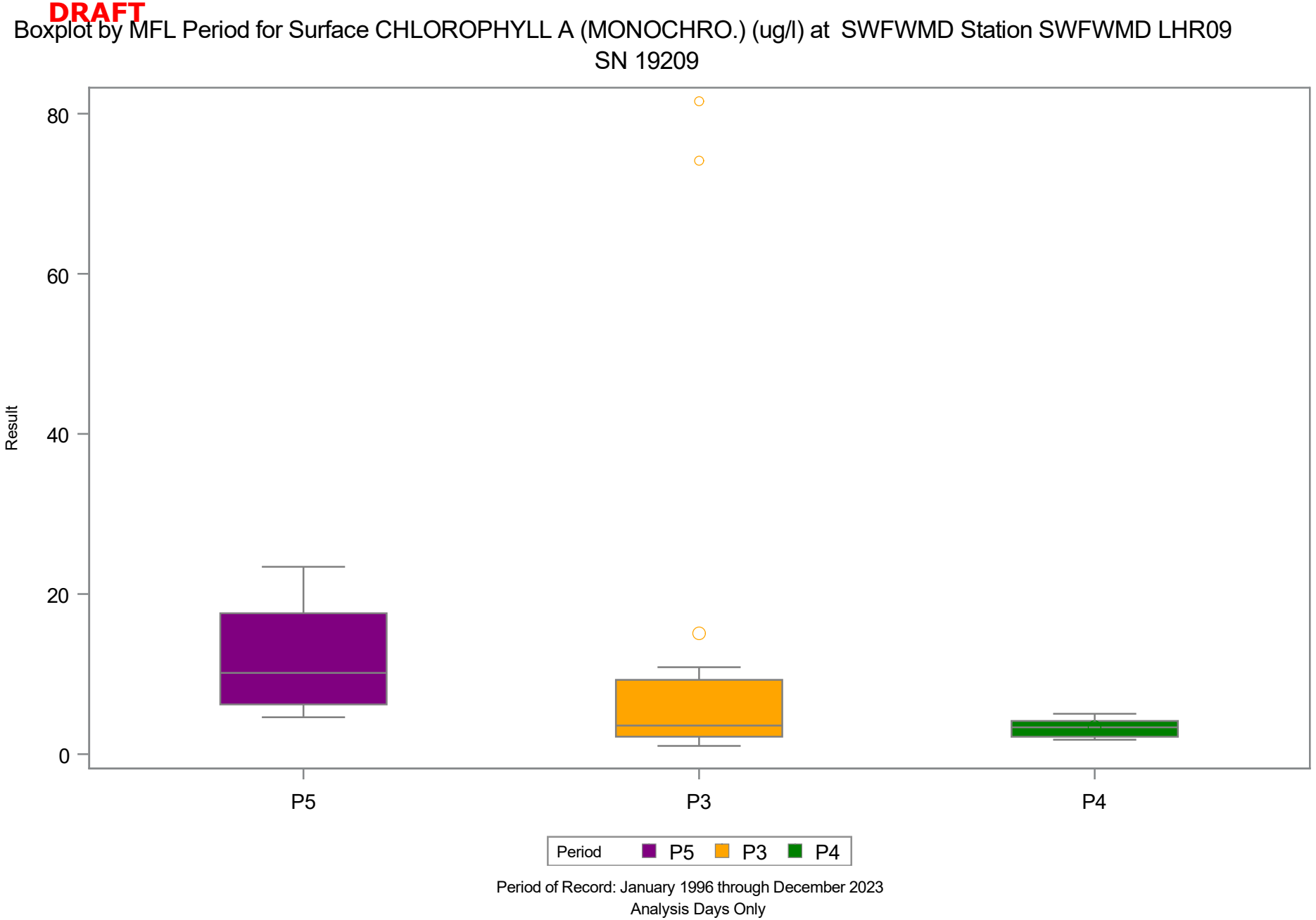
DRAFT

Distributional Statistics by Period for Surface CHLOROPHYLL A (MONOCHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	1.03	2.18	15.14	3.57	9.28	81.56
P4	7	1.80	2.17	3.35	3.35	4.15	5.04
P5	14	4.61	6.21	11.56	10.15	17.60	23.40

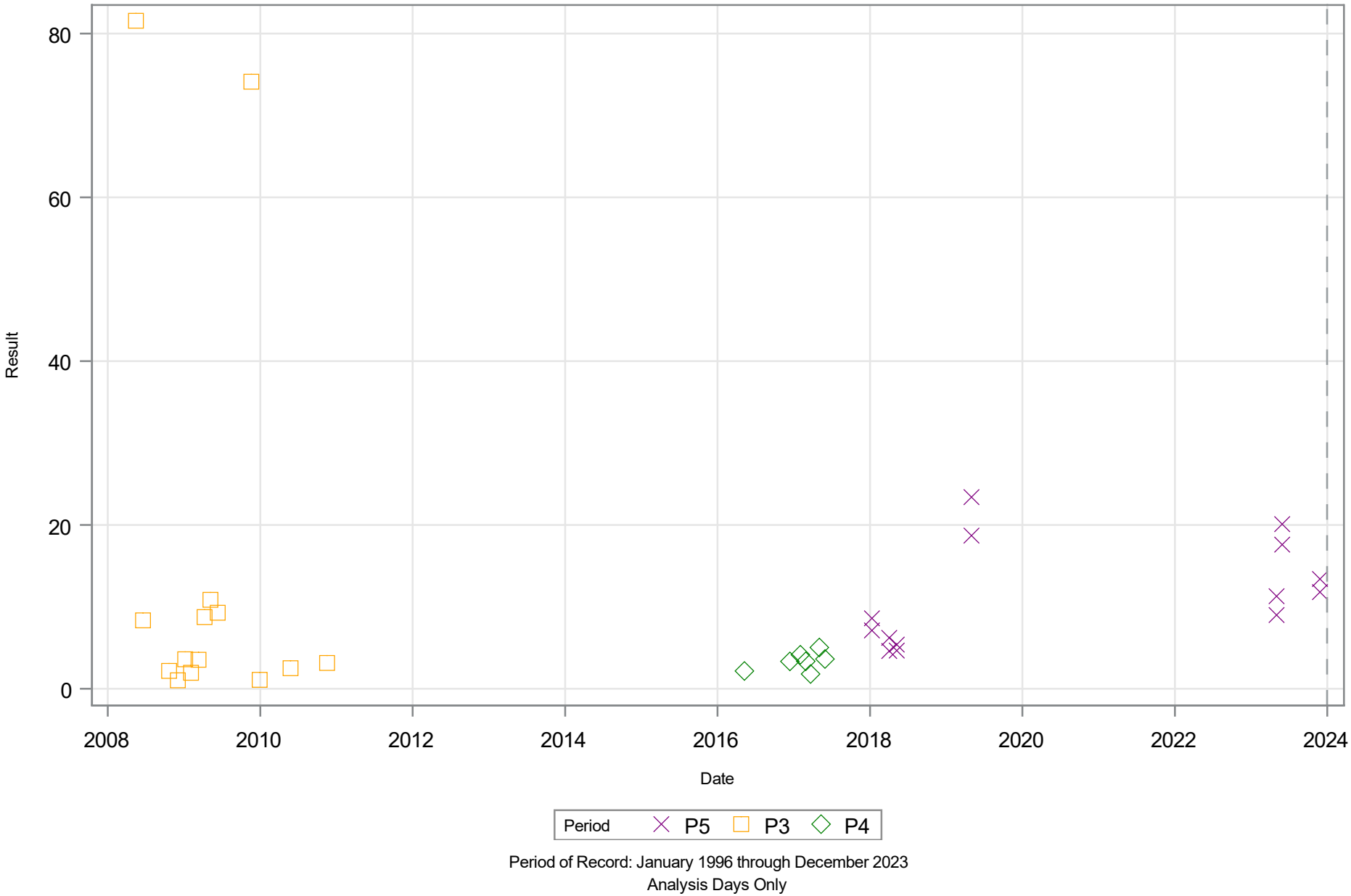
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface CHLOROPHYLL A (MONOCHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09
SN 19209
Result
80
60
40
20
0
P5
P3
P4
Period
P5
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

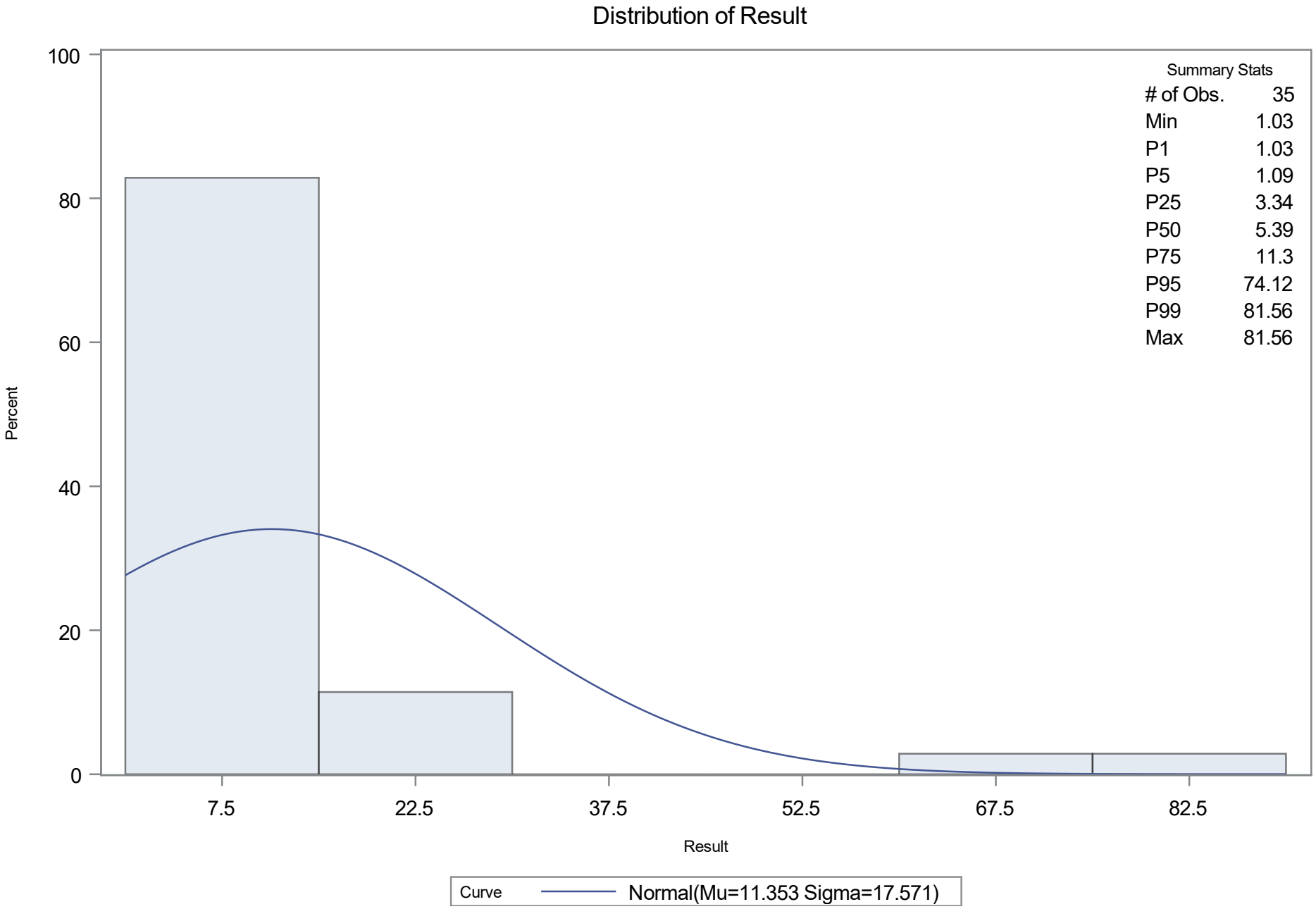
Timeseries of Surface CHLOROPHYLL A (TRICHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface CHLOROPHYLL A (TRICHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface CHLOROPHYLL A (TRICHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.35257
Std Dev	Sigma	17.57146

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28984268	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.03230646	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.72634478	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.03000	-29.52476
5.0	1.09000	-17.54991
10.0	1.95000	-11.16616
25.0	3.34000	-0.49920
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75.0	11.30000	23.20434
90.0	20.10000	33.87131
95.0	74.12000	40.25506
99.0	81.56000	52.22991

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

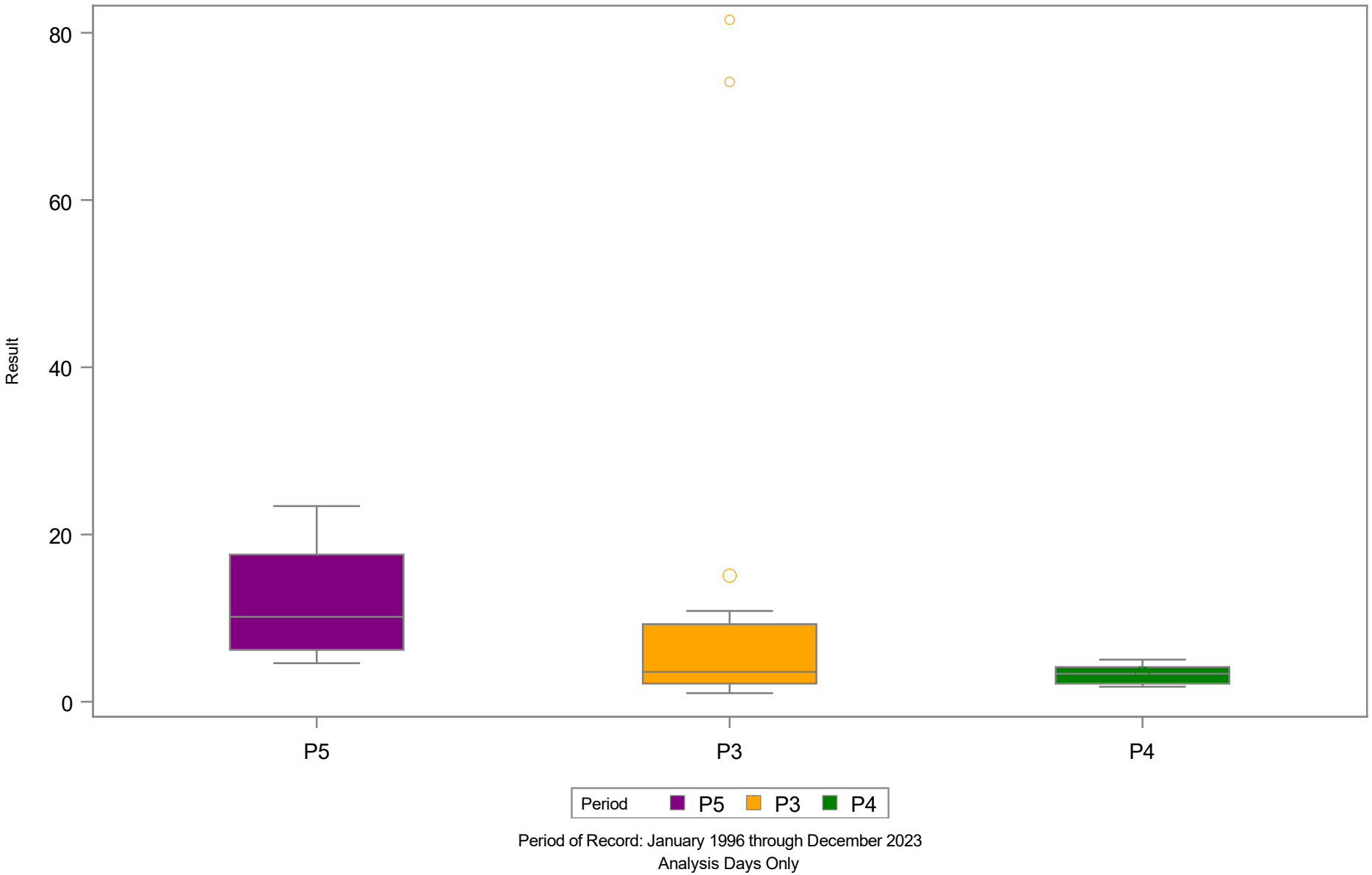
Distributional Statistics by Period for Surface CHLOROPHYLL A (TRICHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	1.03	2.18	15.14	3.57	9.28	81.56
P4	7	1.80	2.17	3.35	3.35	4.15	5.04
P5	14	4.61	6.21	11.56	10.15	17.60	23.40

Period of Record: January 1996 through December 2023
Analysis Days Only

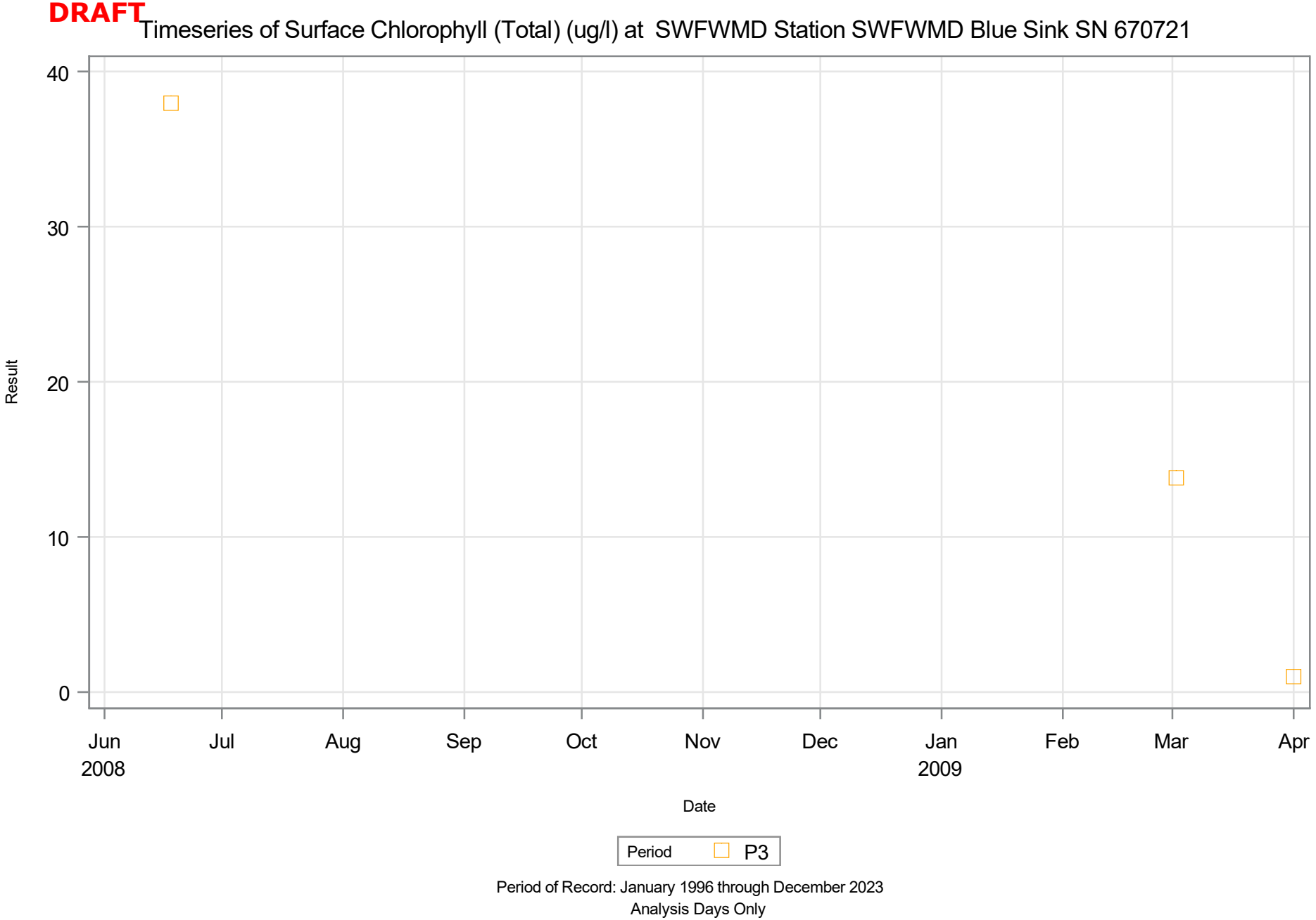
DRAFT

Boxplot by MFL Period for Surface CHLOROPHYLL A (TRICHRO.) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



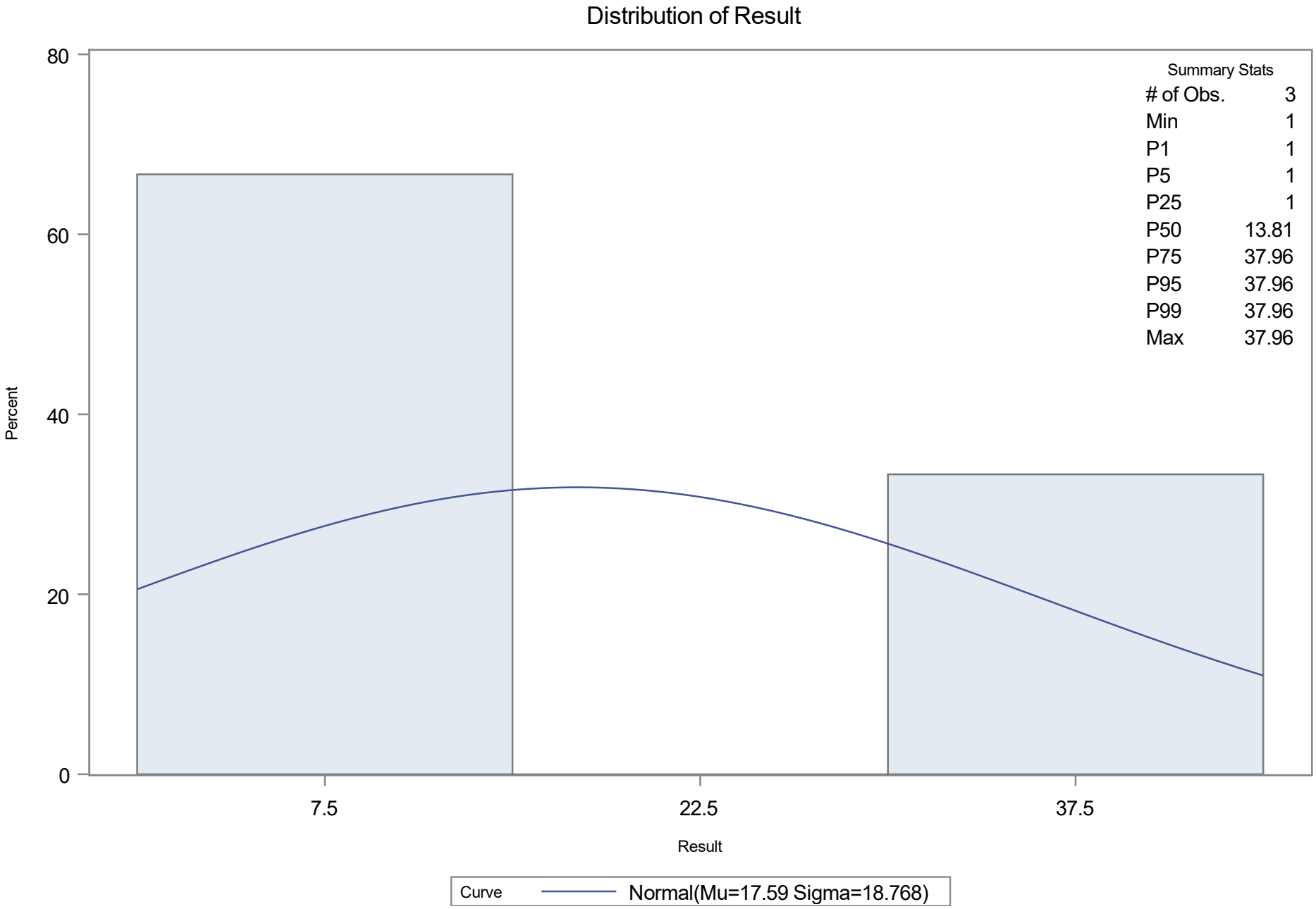
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD Blue Sink SN 670721
Result
40
30
20
10
0
Jun
2008
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2009
Feb
Mar
Apr
Date
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.59
Std Dev	Sigma	18.7677

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24647760	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03539028	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22365213	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-26.07021
5.0	1.00000	-13.28013
10.0	1.00000	-6.46178
25.0	1.00000	4.93138
50.0	13.81000	17.59000
75.0	37.96000	30.24862
90.0	37.96000	41.64178
95.0	37.96000	48.46013
99.0	37.96000	61.25021

Period of Record: January 1996 through December 2023
Analysis Days Only

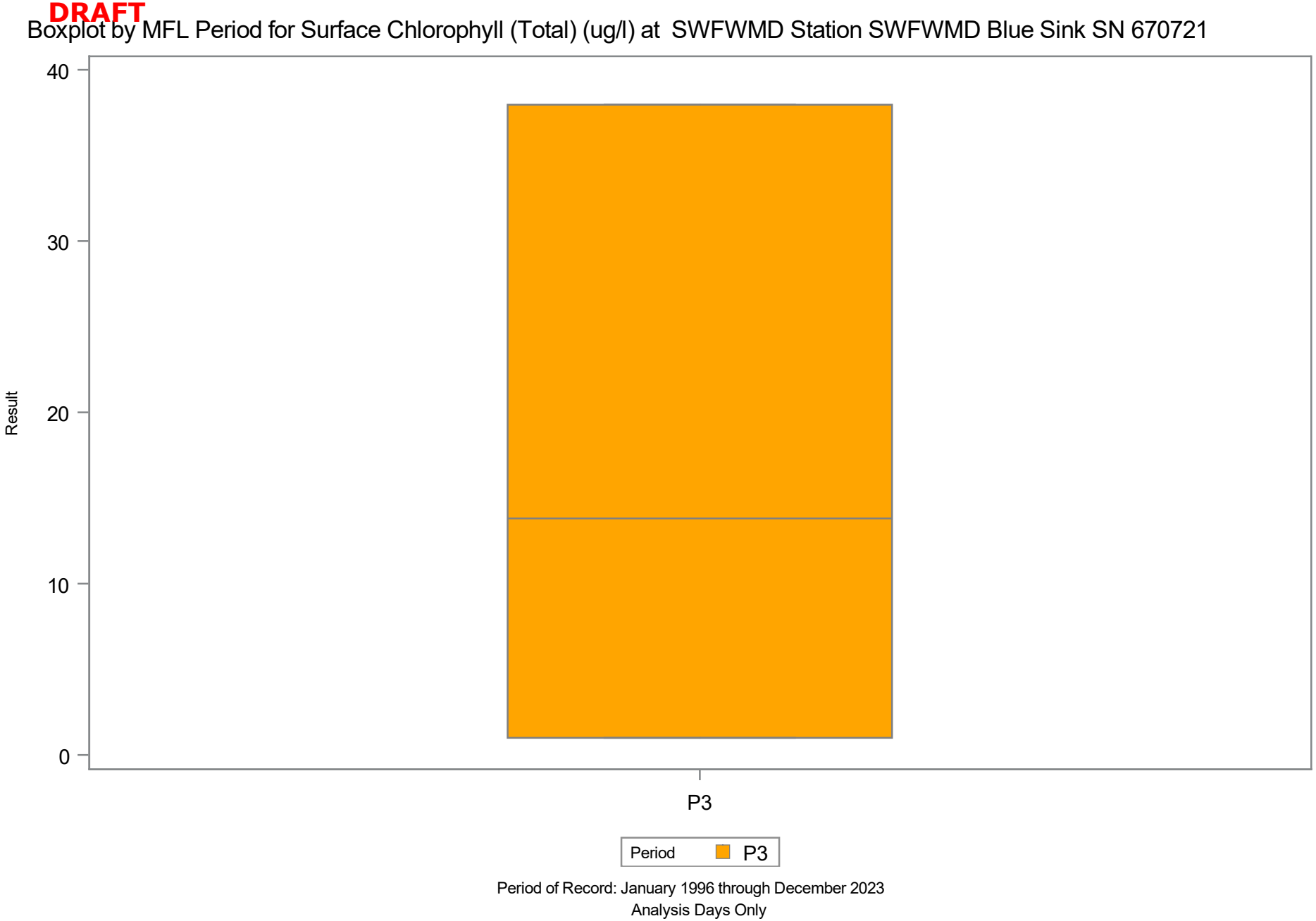
DRAFT

Distributional Statistics by Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	3	1.00	1.00	17.59	13.81	37.96	37.96

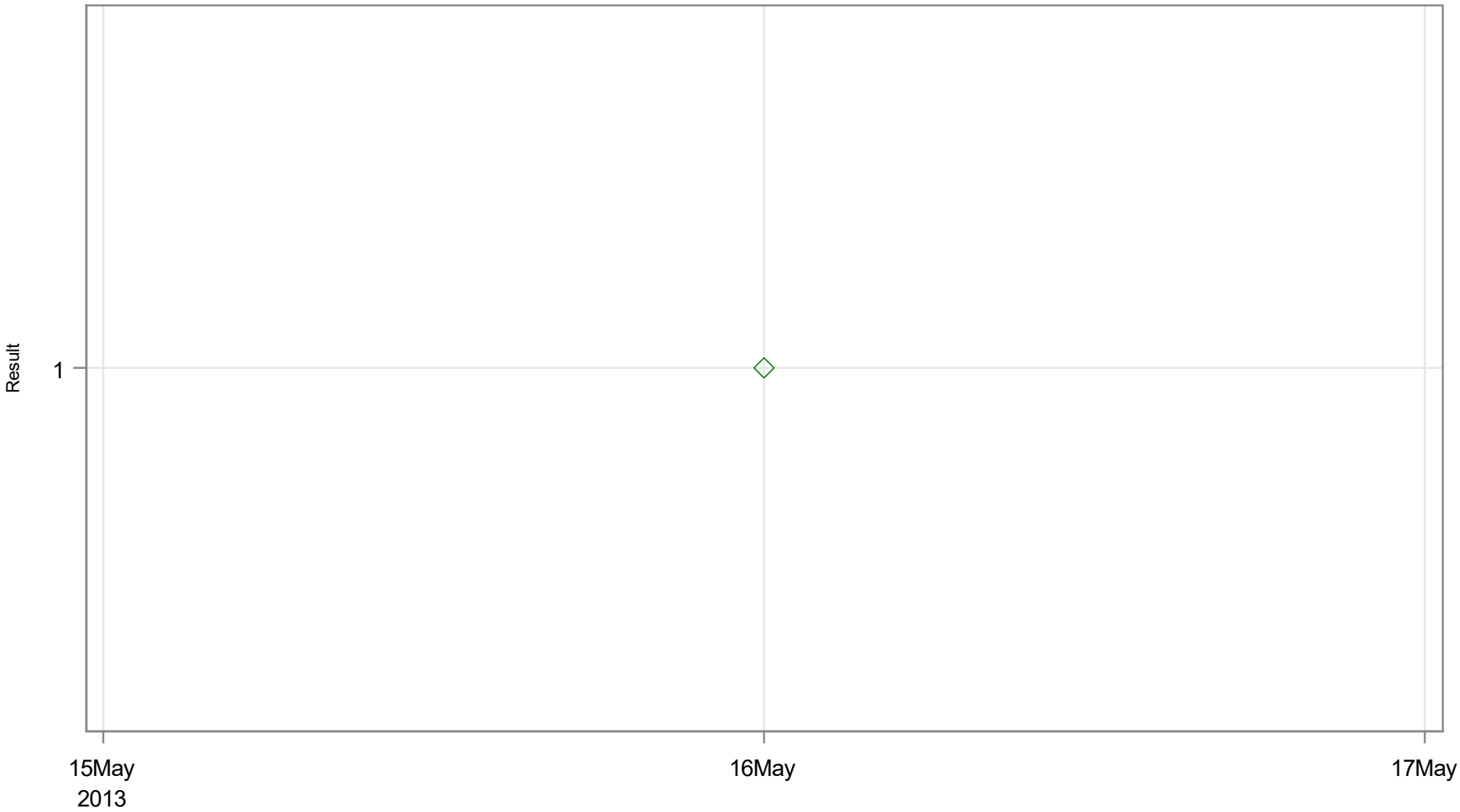
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD Blue Sink SN 670721
Result
40
30
20
10
0
P3
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

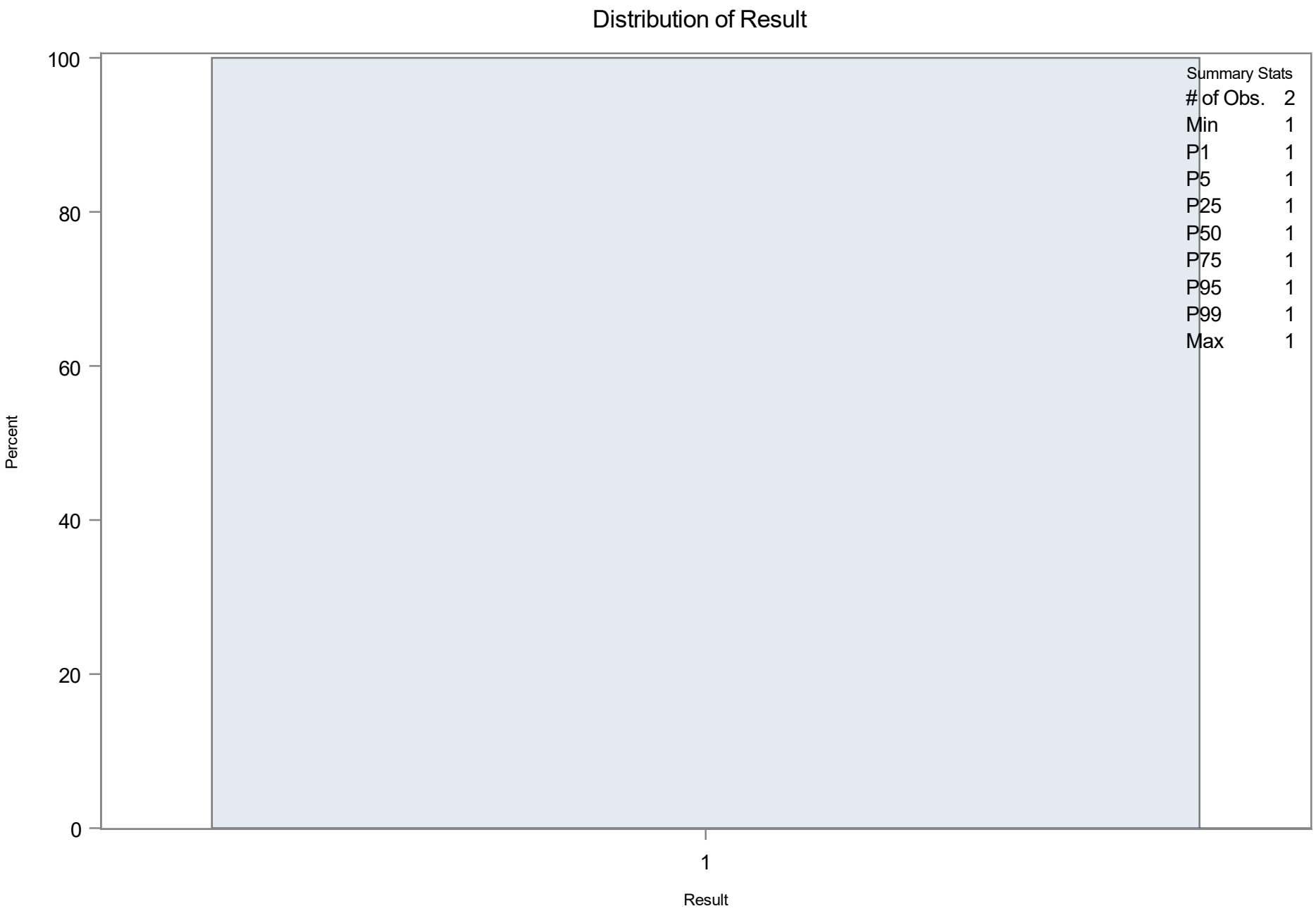
Timeseries of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

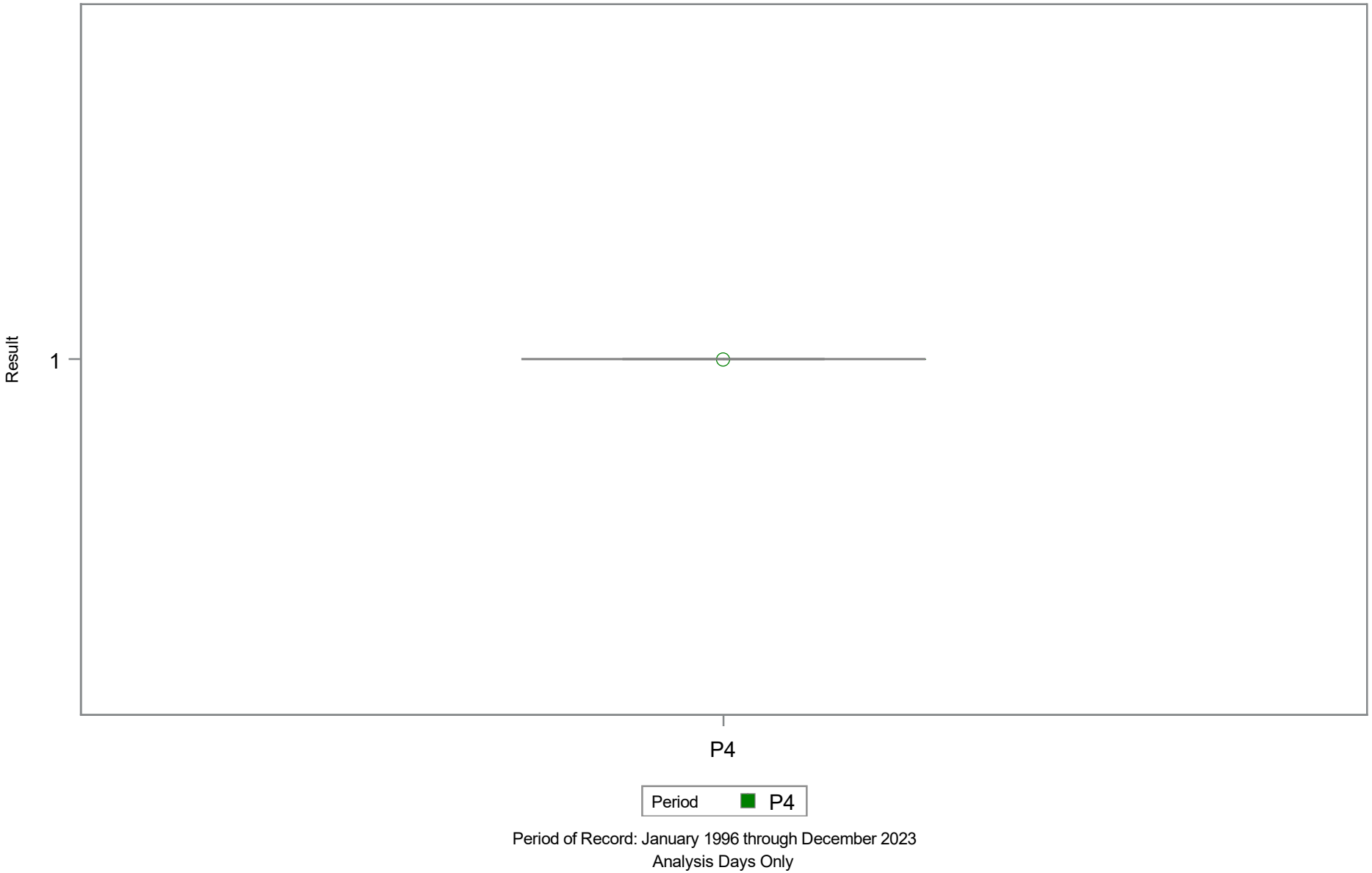
Distributional Statistics by Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	2	1.00	1.00	1.00	1.00	1.00	1.00

Period of Record: January 1996 through December 2023
Analysis Days Only

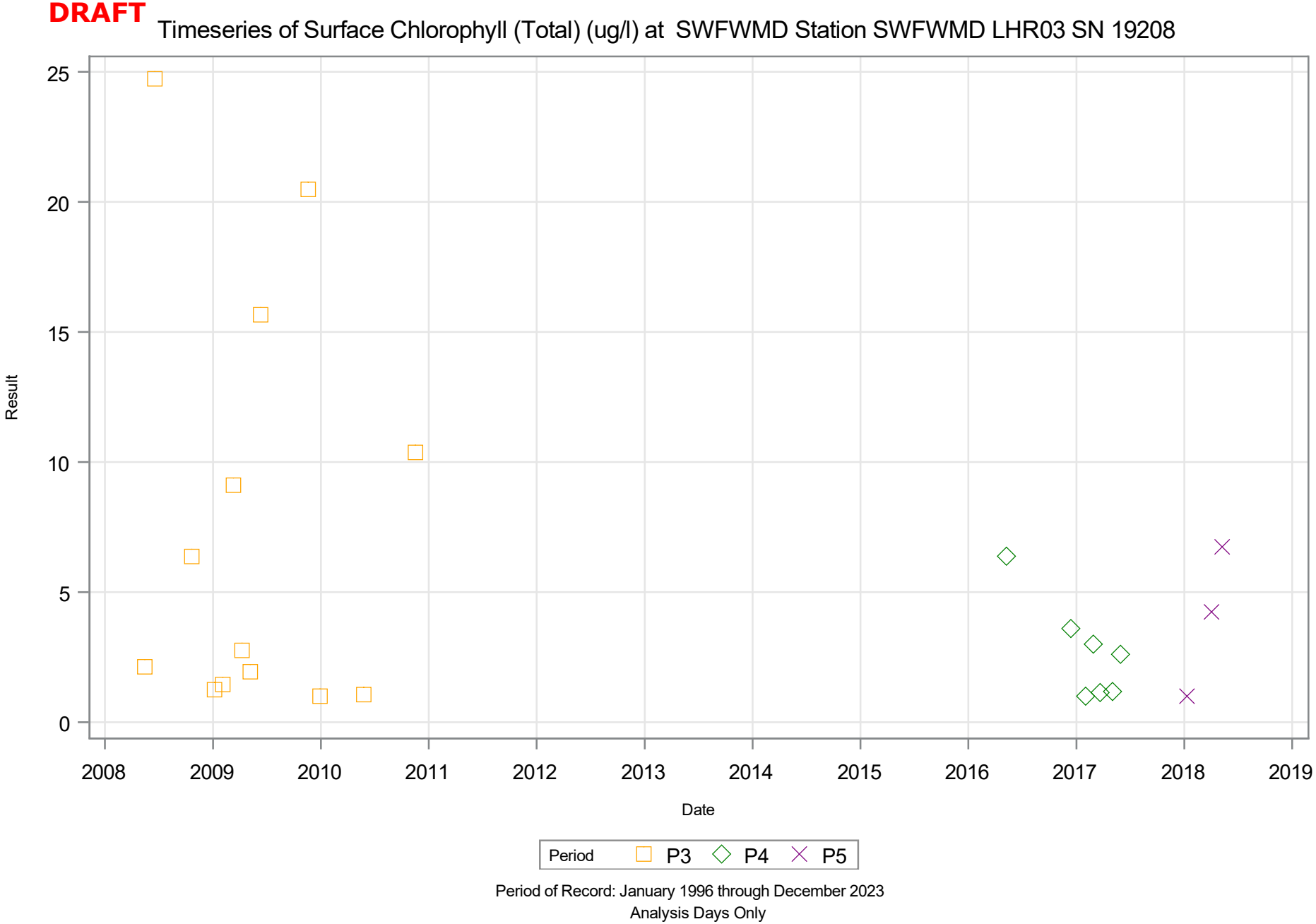
DRAFT

Boxplot by MFL Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



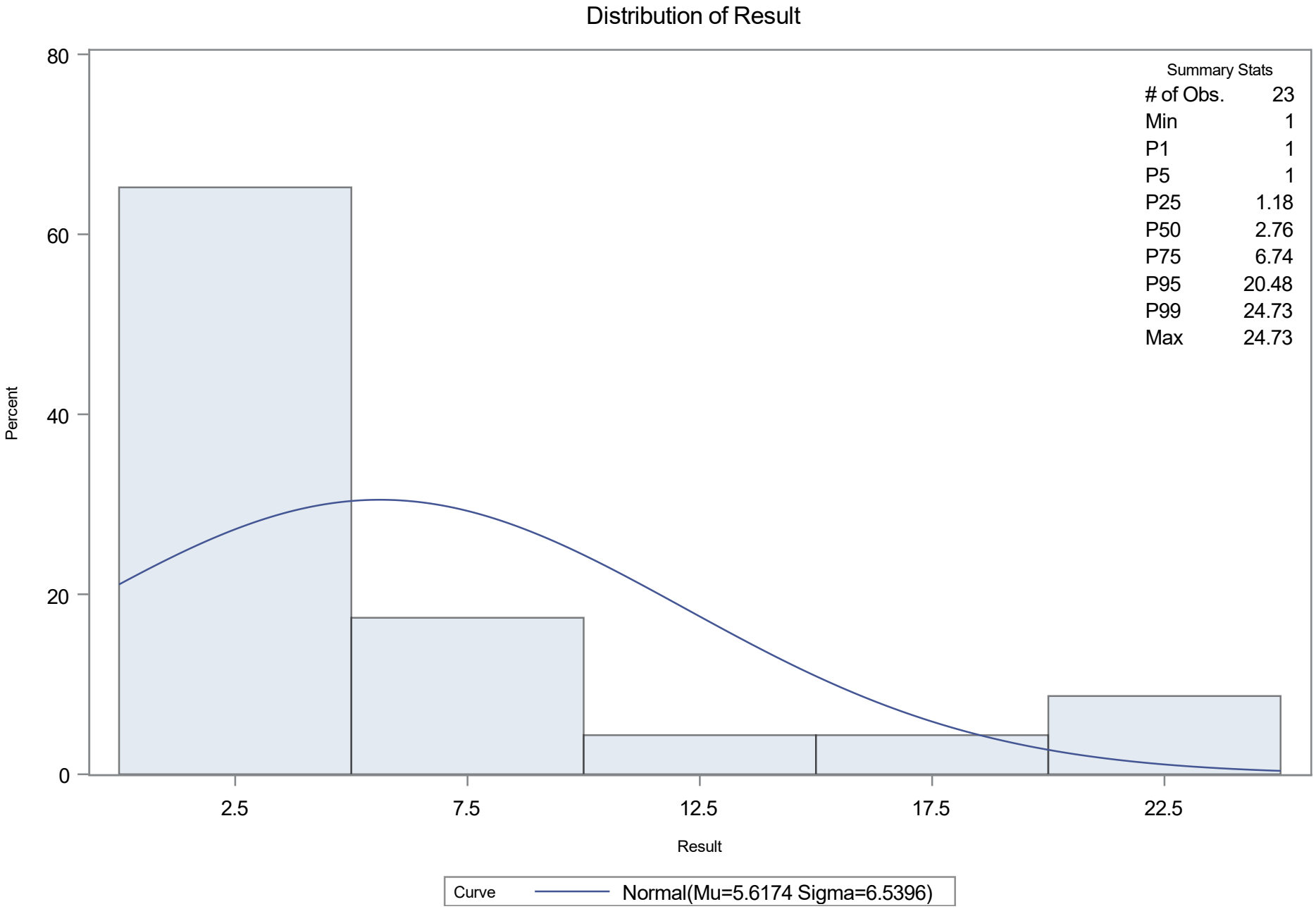
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
25
20
15
10
5
0
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.617391
Std Dev	Sigma	6.539594

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24007323	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.41553054	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.33574324	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-9.59598
5.0	1.00000	-5.13928
10.0	1.00000	-2.76344
25.0	1.18000	1.20650
50.0	2.76000	5.61739
75.0	6.74000	10.02828
90.0	15.66000	13.99822
95.0	20.48000	16.37407
99.0	24.73000	20.83076

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

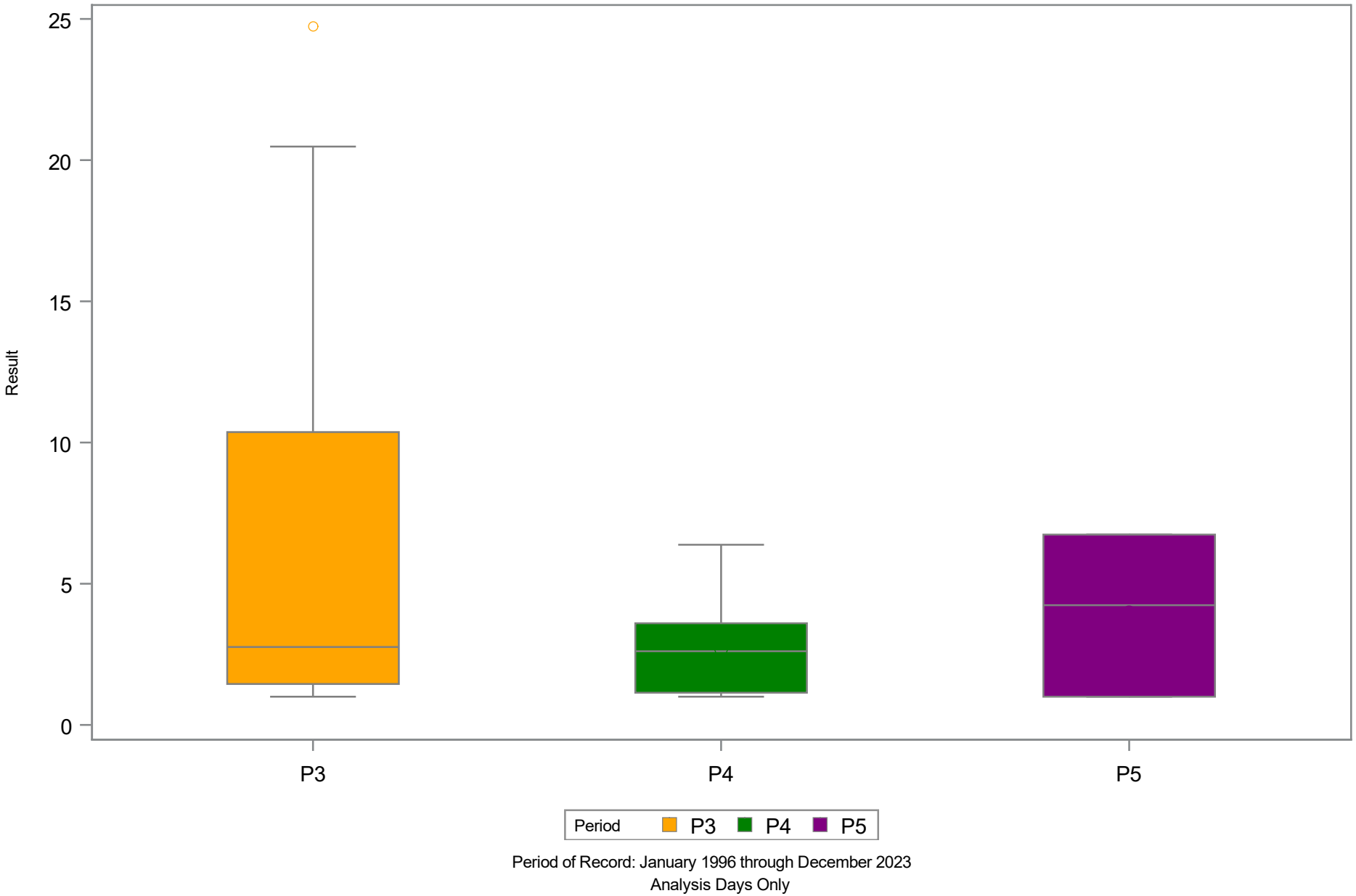
Distributional Statistics by Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	1.00	1.45	7.56	2.76	10.37	24.73
P4	7	1.00	1.14	2.70	2.61	3.60	6.38
P5	3	1.00	1.00	3.99	4.24	6.74	6.74

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

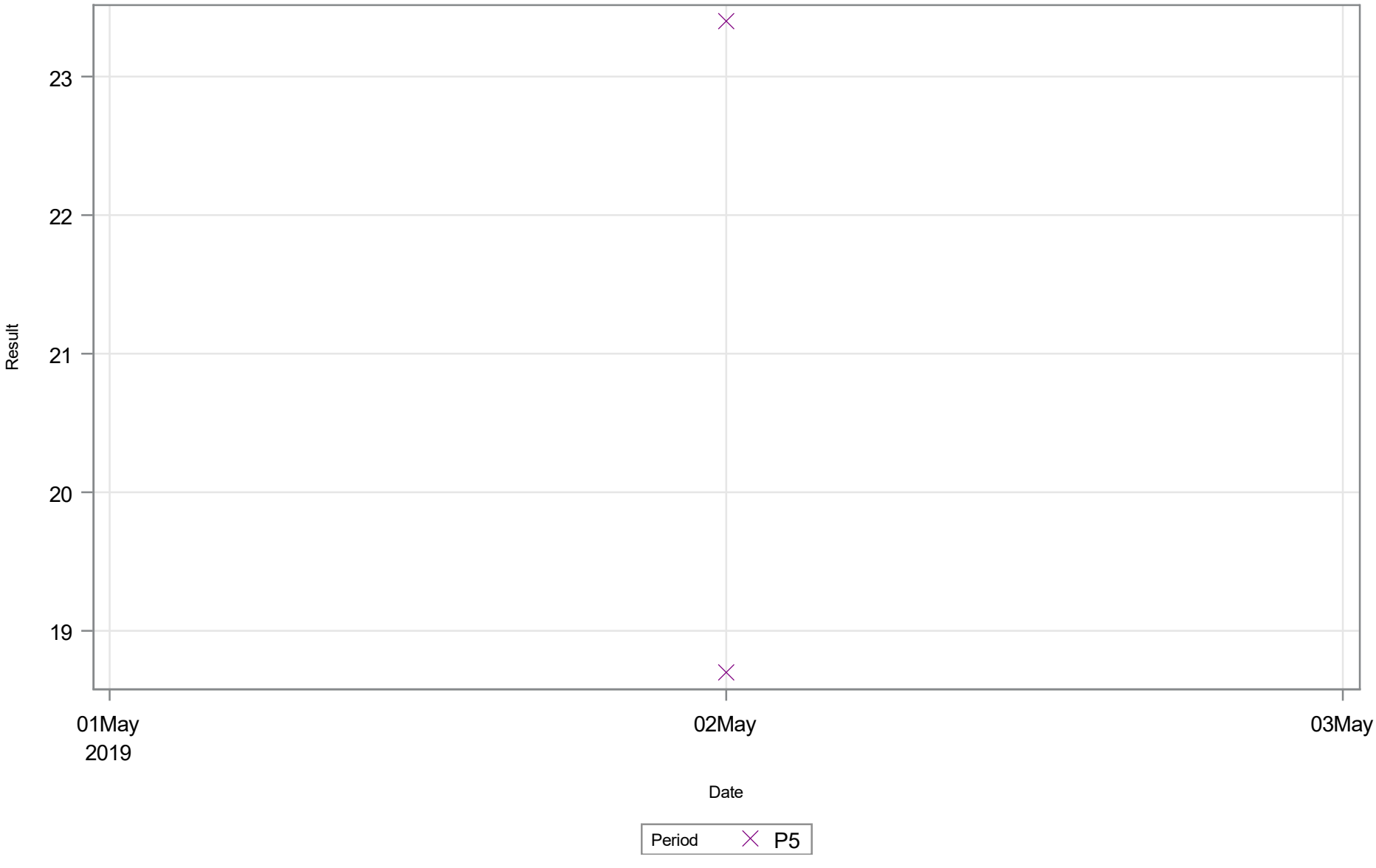
Boxplot by MFL Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

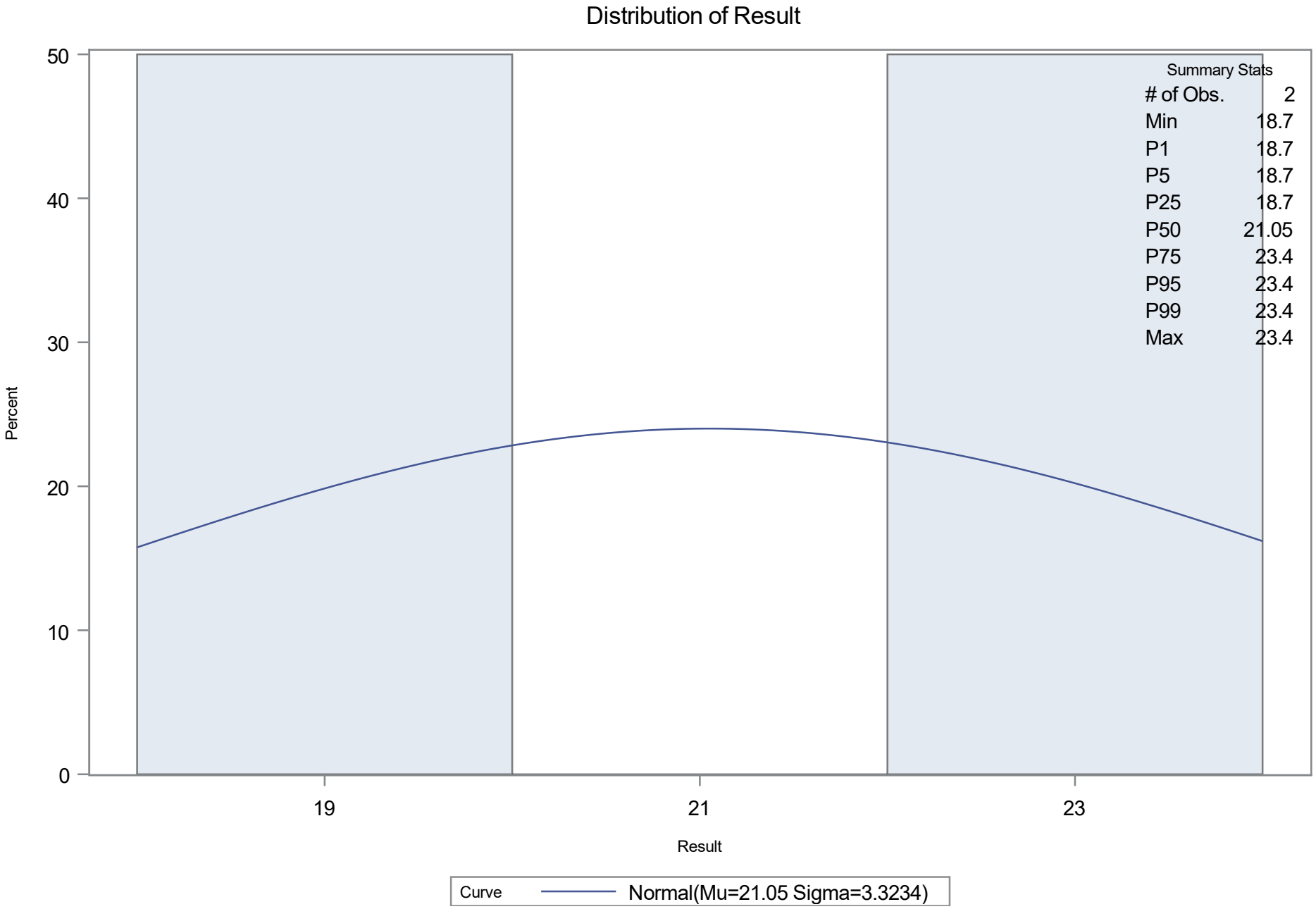
Timeseries of Midwater Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.05
Std Dev	Sigma	3.323402

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.7000	13.3186
5.0	18.7000	15.5835
10.0	18.7000	16.7909
25.0	18.7000	18.8084
50.0	21.0500	21.0500
75.0	23.4000	23.2916
90.0	23.4000	25.3091
95.0	23.4000	26.5165
99.0	23.4000	28.7814

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

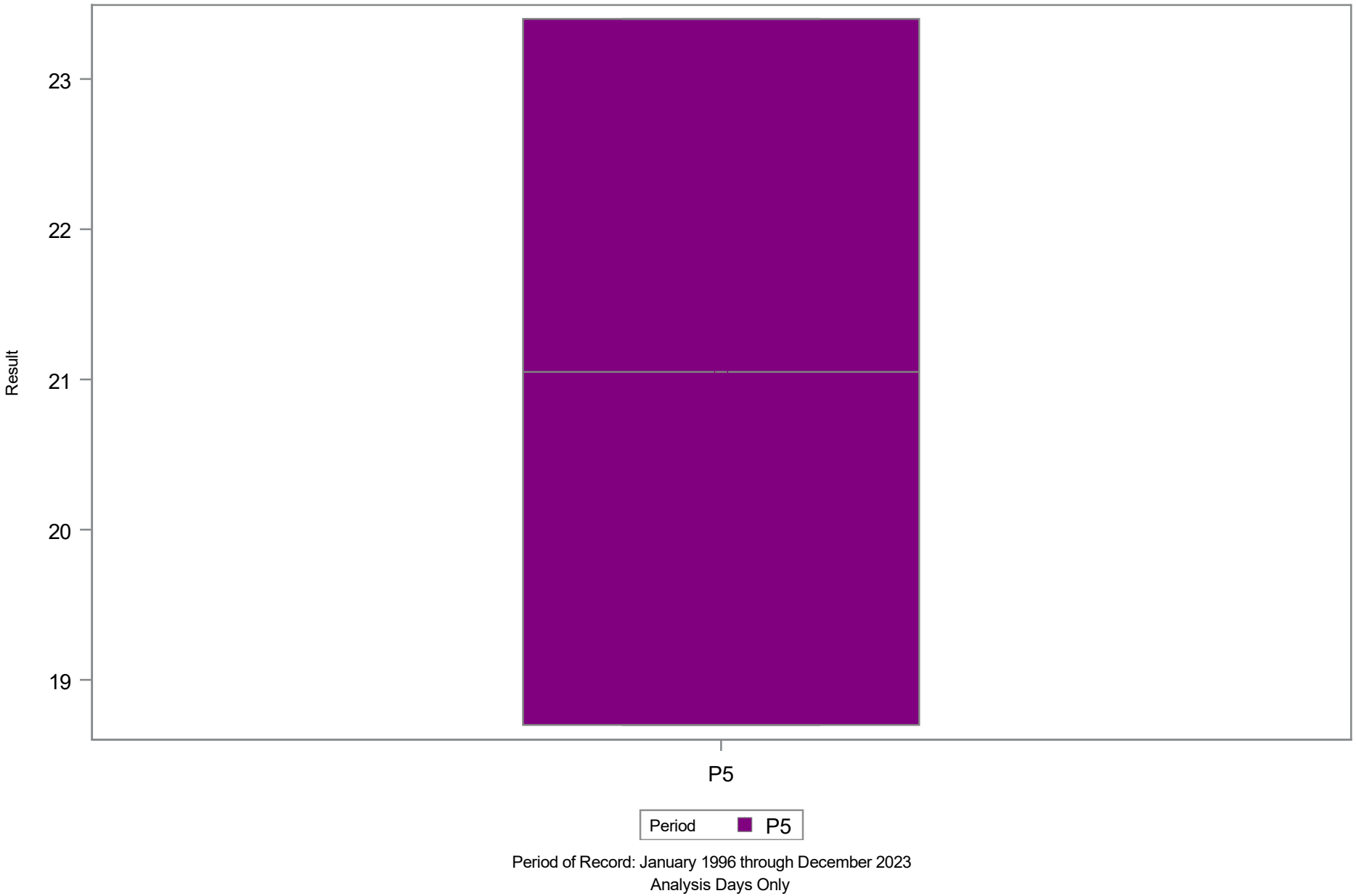
Distributional Statistics by Period for Midwater Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	2	18.70	18.70	21.05	21.05	23.40	23.40

Period of Record: January 1996 through December 2023
Analysis Days Only

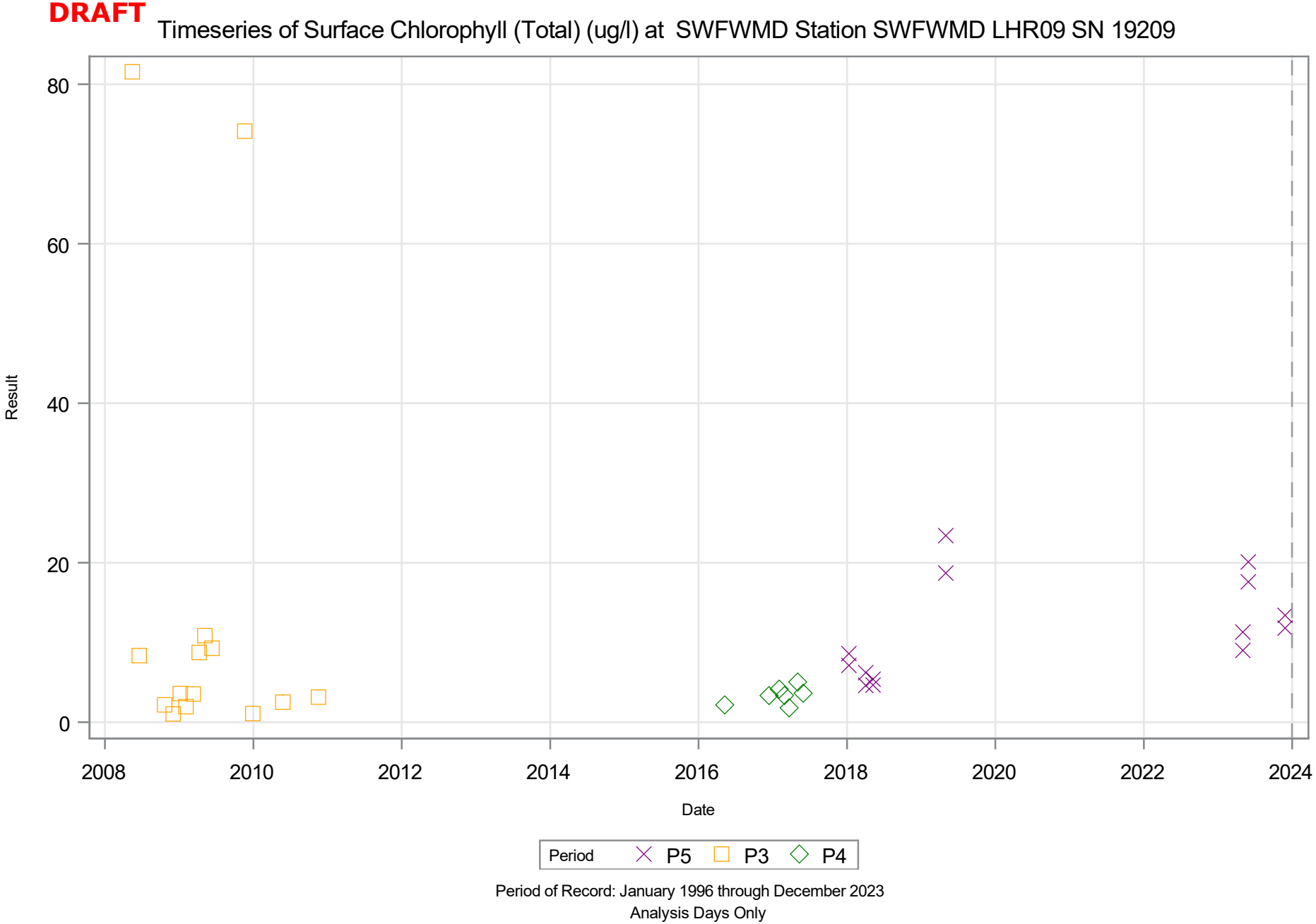
DRAFT

Boxplot by MFL Period for Midwater Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



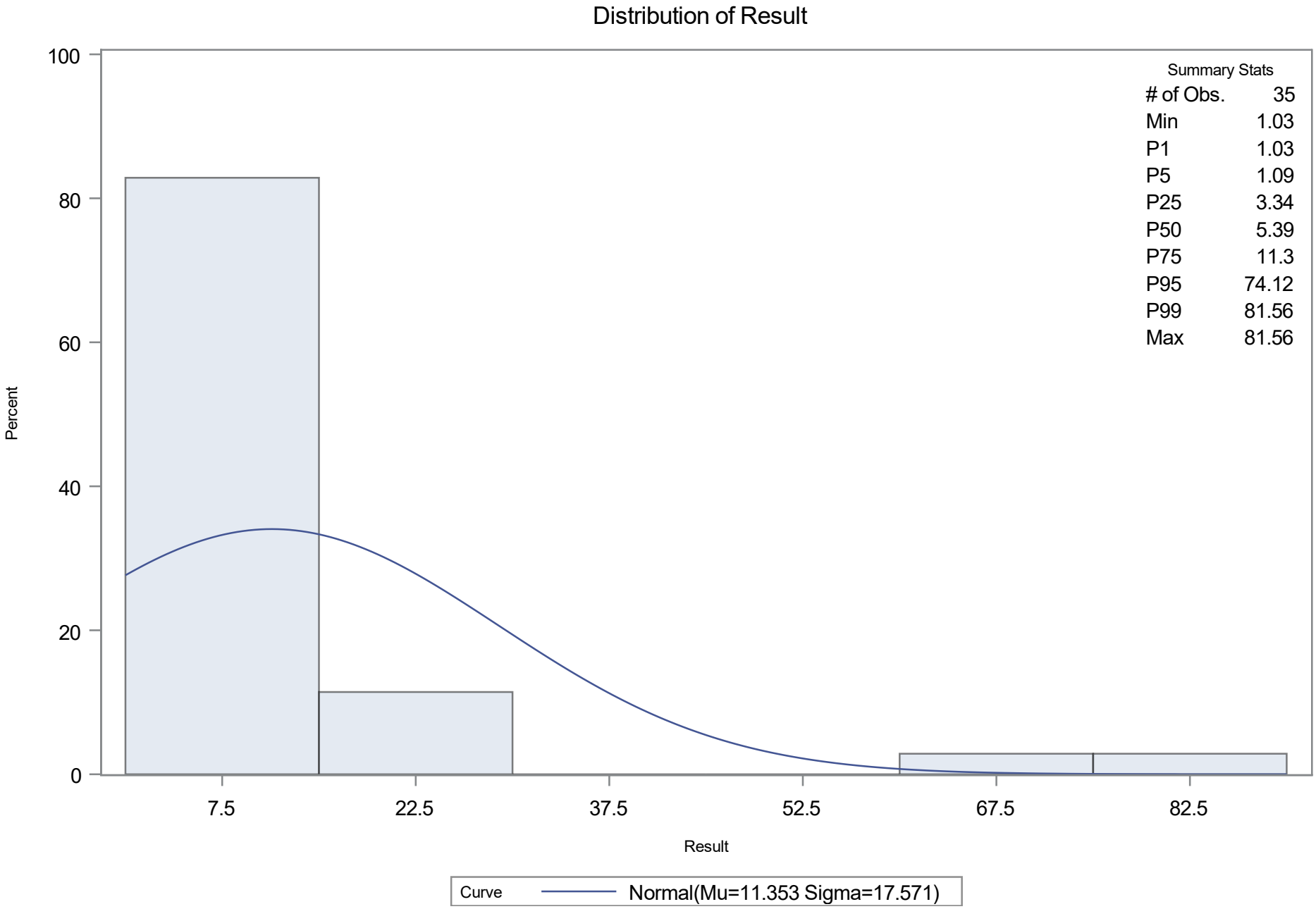
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
80
60
40
20
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P5
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.35257
Std Dev	Sigma	17.57146

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28984268	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.03230646	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.72634478	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.03000	-29.52476
5.0	1.09000	-17.54991
10.0	1.95000	-11.16616
25.0	3.34000	-0.49920
50.0	5.39000	11.35257
75.0	11.30000	23.20434
90.0	20.10000	33.87131
95.0	74.12000	40.25506
99.0	81.56000	52.22991

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

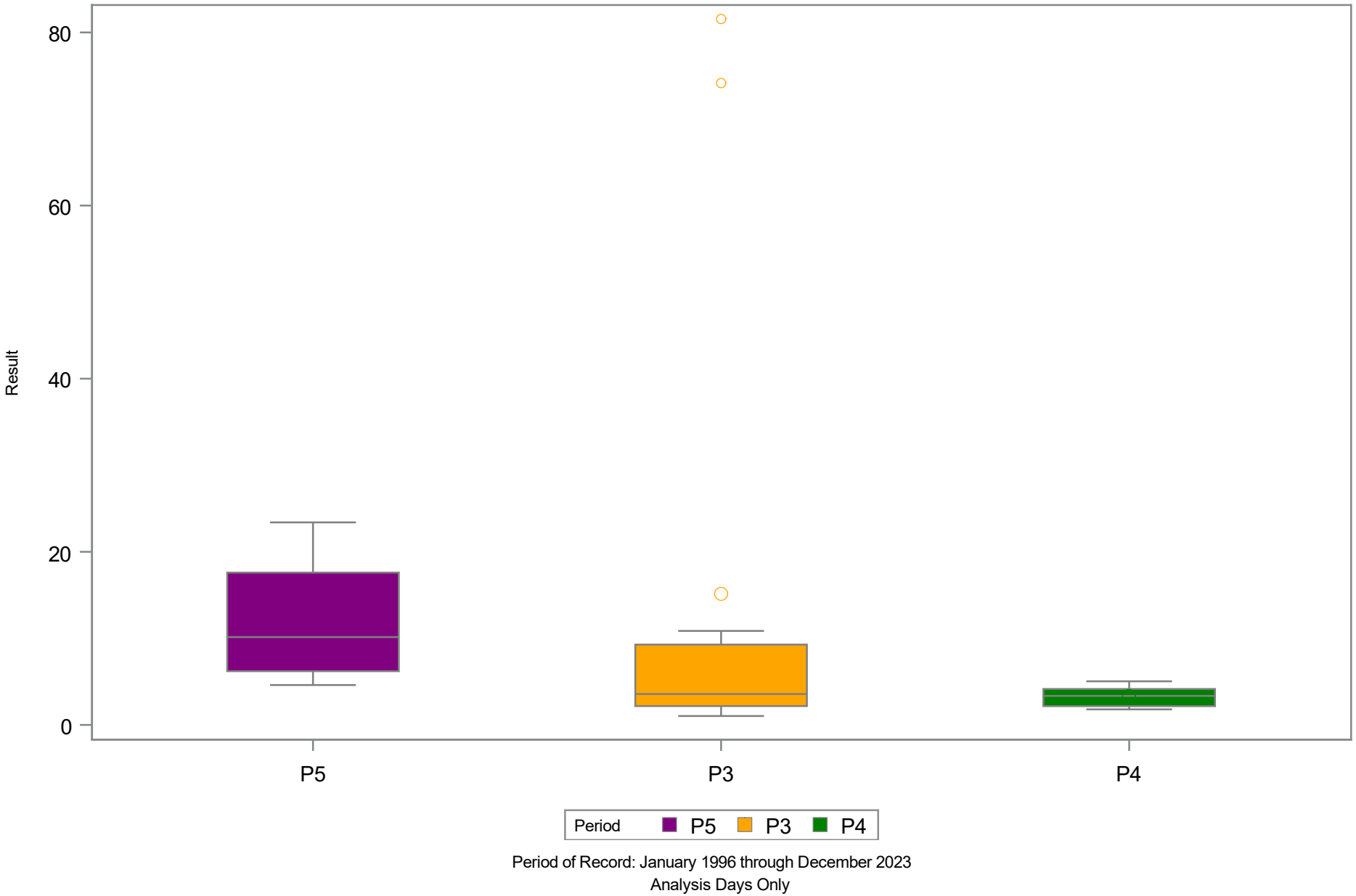
Distributional Statistics by Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	1.03	2.18	15.14	3.57	9.28	81.56
P4	7	1.80	2.17	3.35	3.35	4.15	5.04
P5	14	4.61	6.21	11.56	10.15	17.60	23.40

Period of Record: January 1996 through December 2023
Analysis Days Only

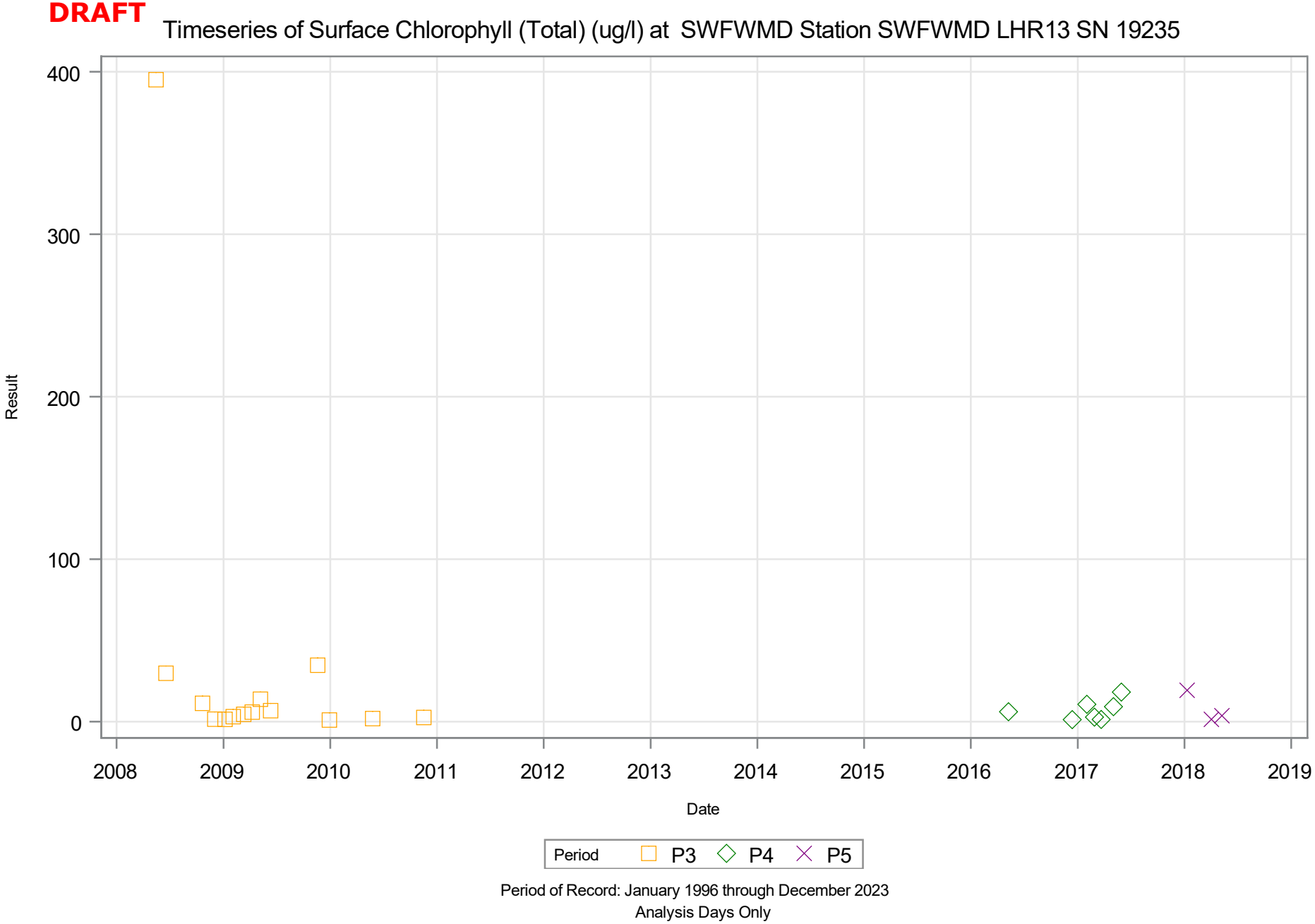
DRAFT

Boxplot by MFL Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



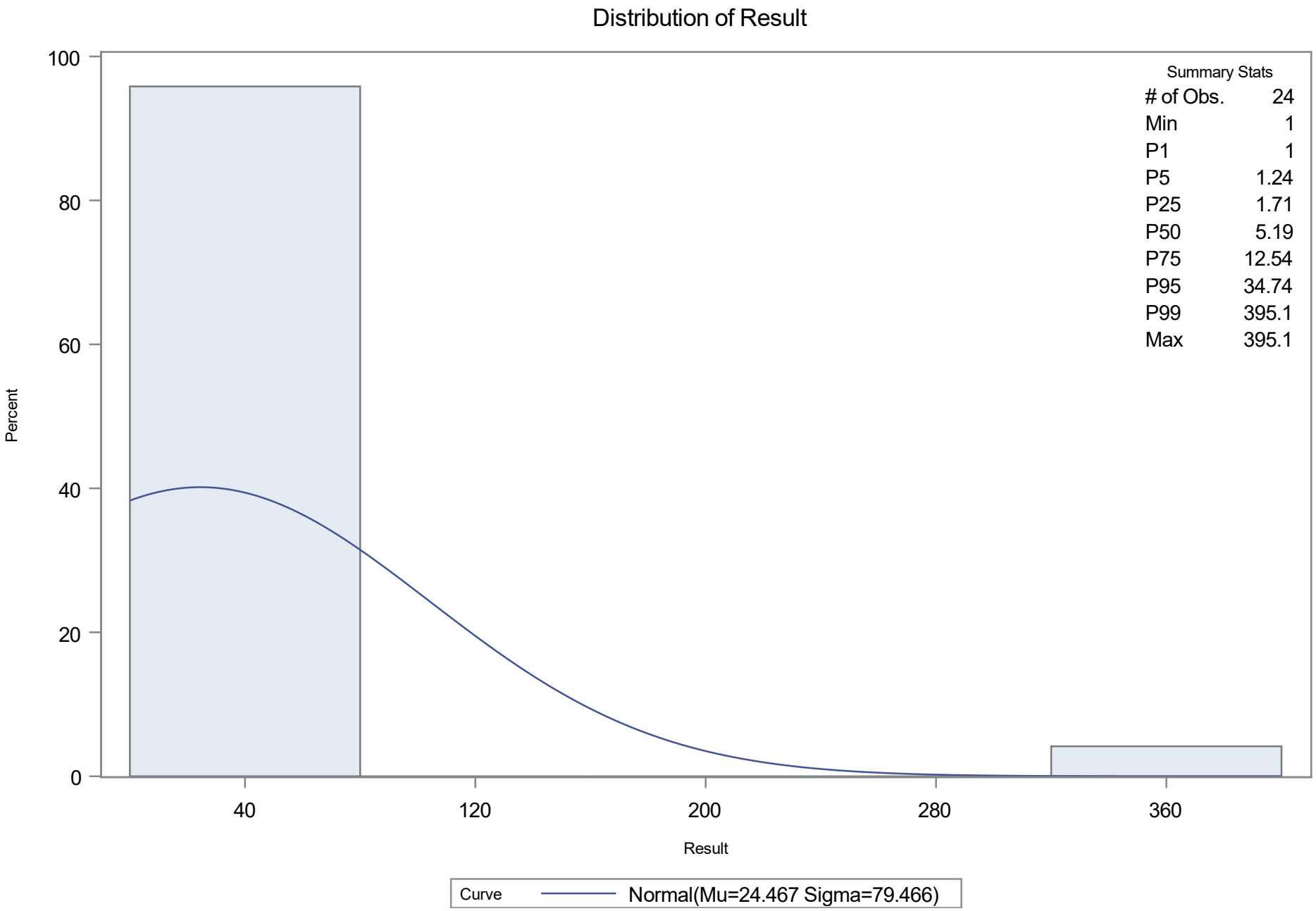
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
400
300
200
100
0
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.46667
Std Dev	Sigma	79.46561

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.40690129	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.39870513	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.92647811	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-160.3980
5.0	1.24000	-106.2426
10.0	1.34000	-77.3726
25.0	1.71000	-29.1321
50.0	5.19000	24.4667
75.0	12.54000	78.0654
90.0	29.79000	126.3059
95.0	34.74000	155.1760
99.0	395.10000	209.3313

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

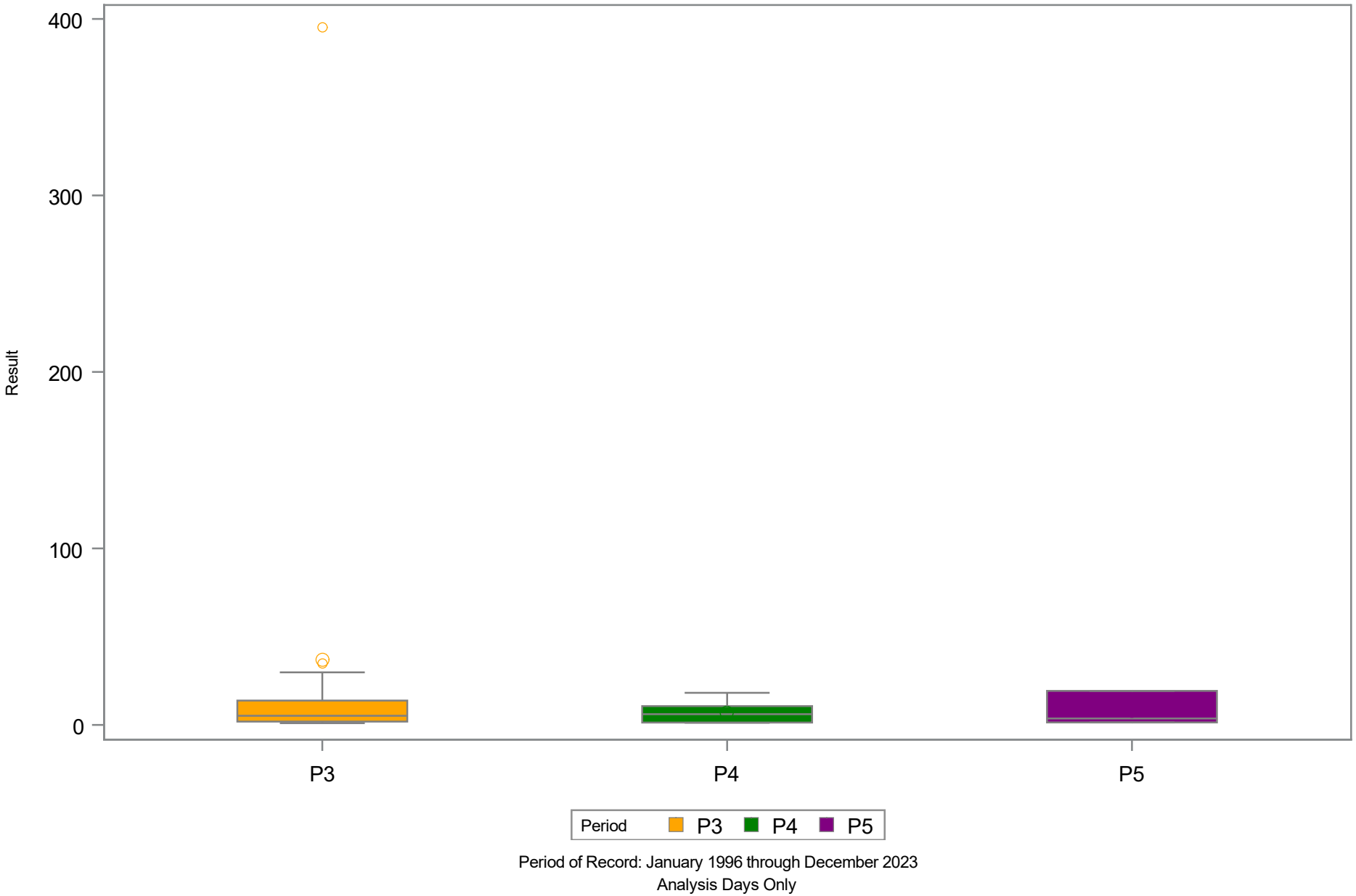
Distributional Statistics by Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	1.00	1.89	36.67	5.19	13.80	395.10
P4	7	1.24	1.34	7.07	6.09	10.66	18.19
P5	3	1.41	1.41	8.12	3.65	19.30	19.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

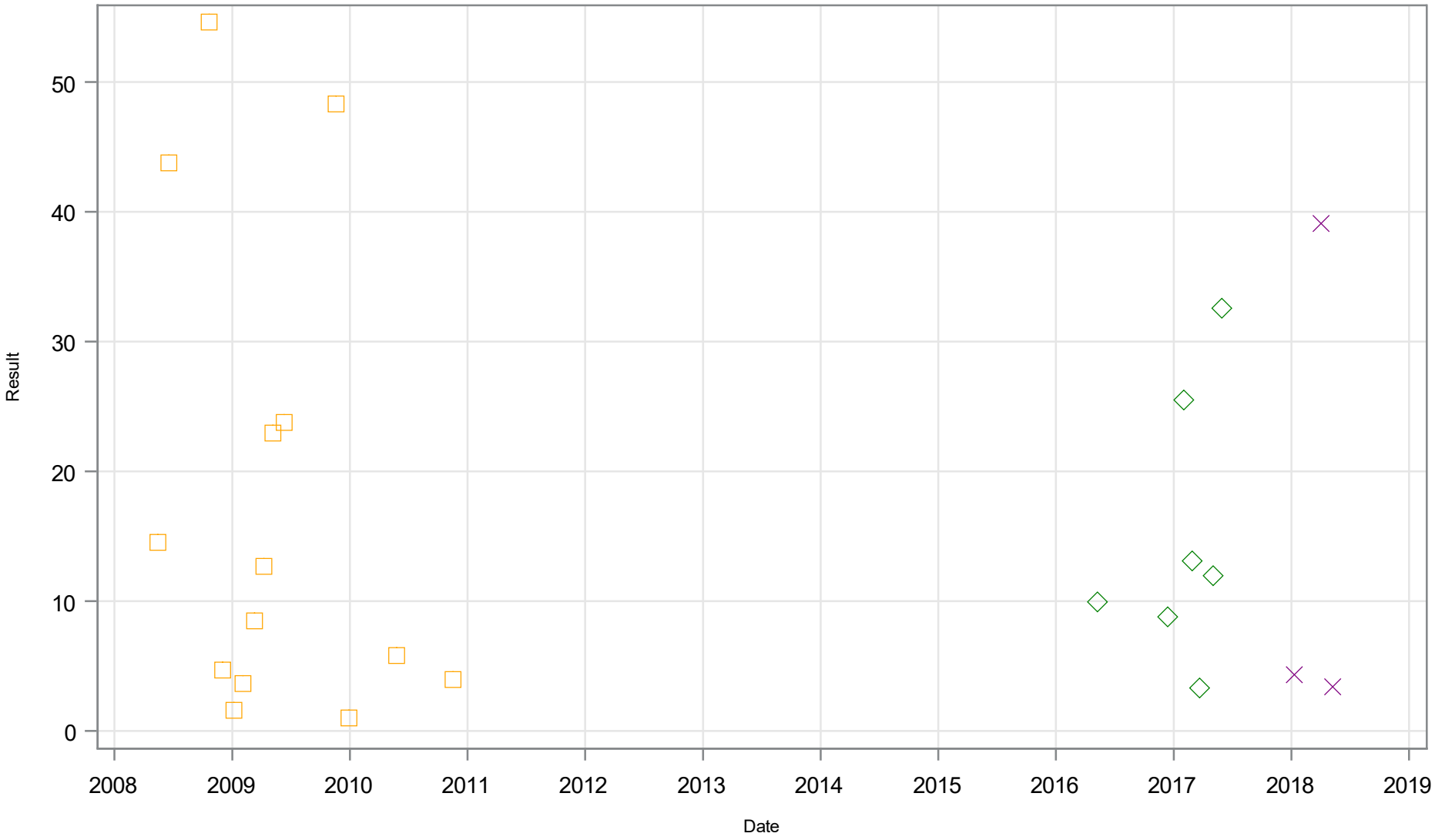
Boxplot by MFL Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

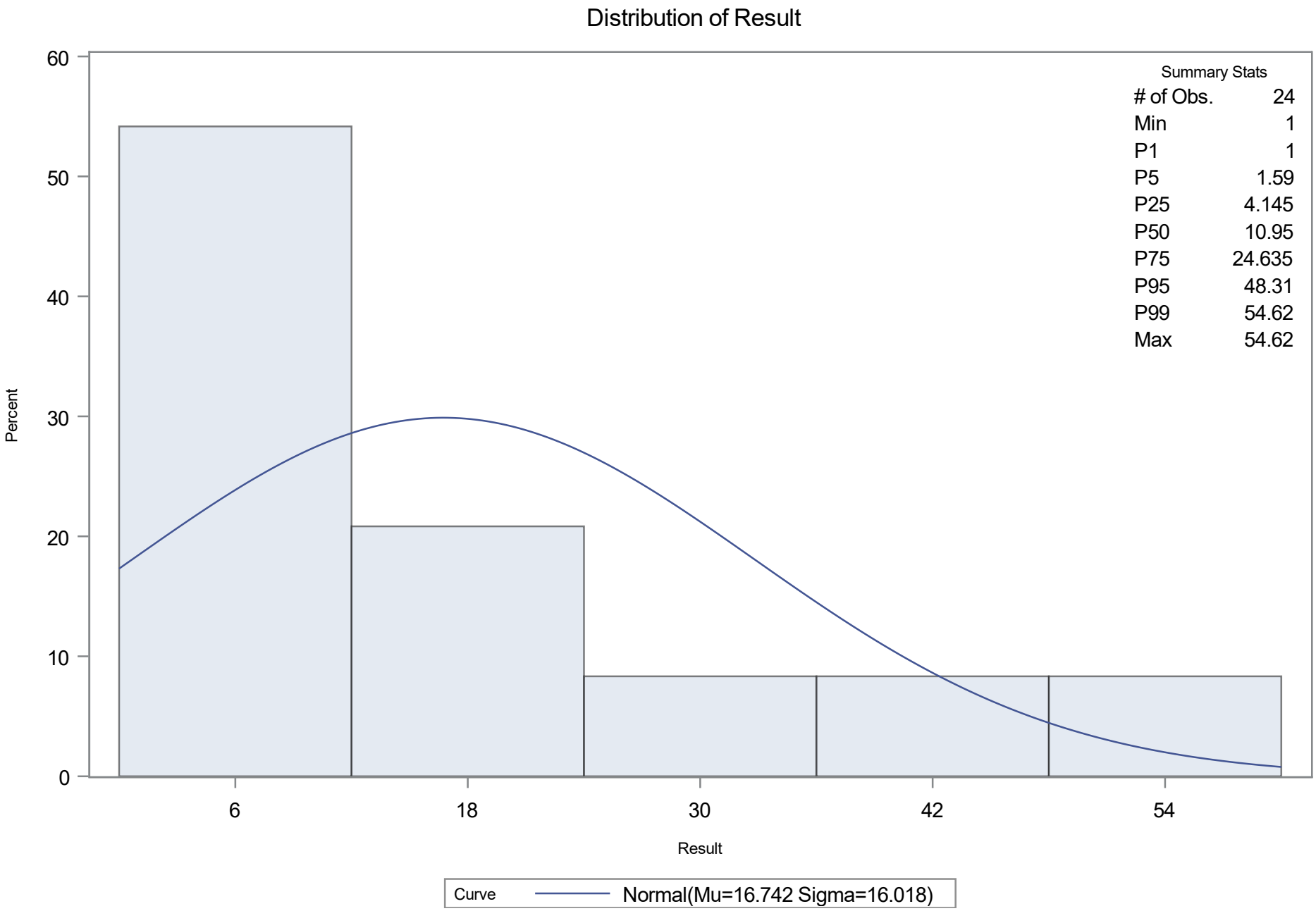
Timeseries of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.74208
Std Dev	Sigma	16.01839

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22158460	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25818156	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.47513661	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-20.52225
5.0	1.59000	-9.60582
10.0	3.31000	-3.78630
25.0	4.14500	5.93785
50.0	10.95000	16.74208
75.0	24.63500	27.54632
90.0	43.77000	37.27047
95.0	48.31000	43.08998
99.0	54.62000	54.00642

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

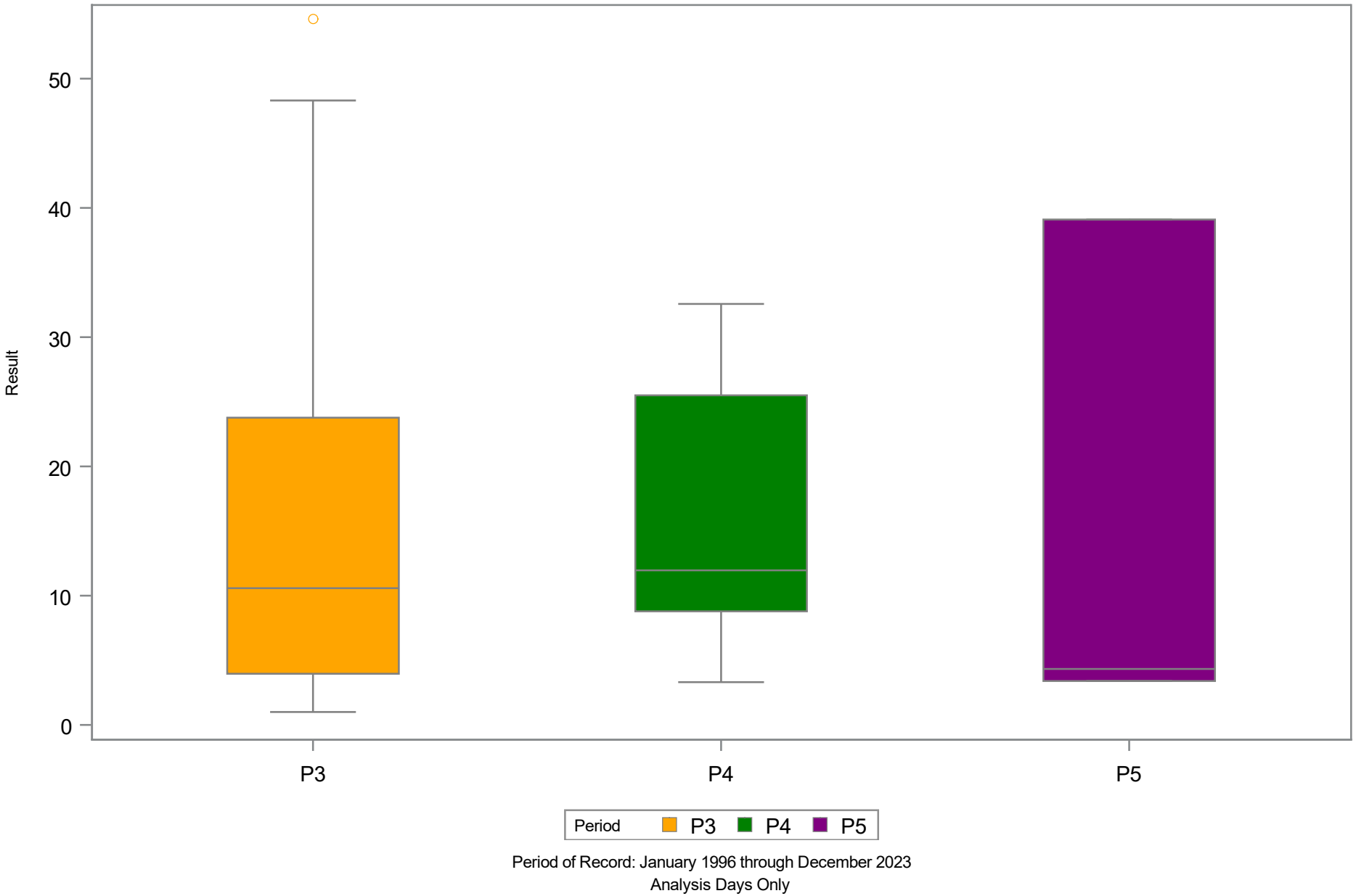
Distributional Statistics by Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	1.00	3.96	17.84	10.58	23.77	54.62
P4	7	3.31	8.79	15.02	11.96	25.50	32.57
P5	3	3.40	3.40	15.61	4.33	39.10	39.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

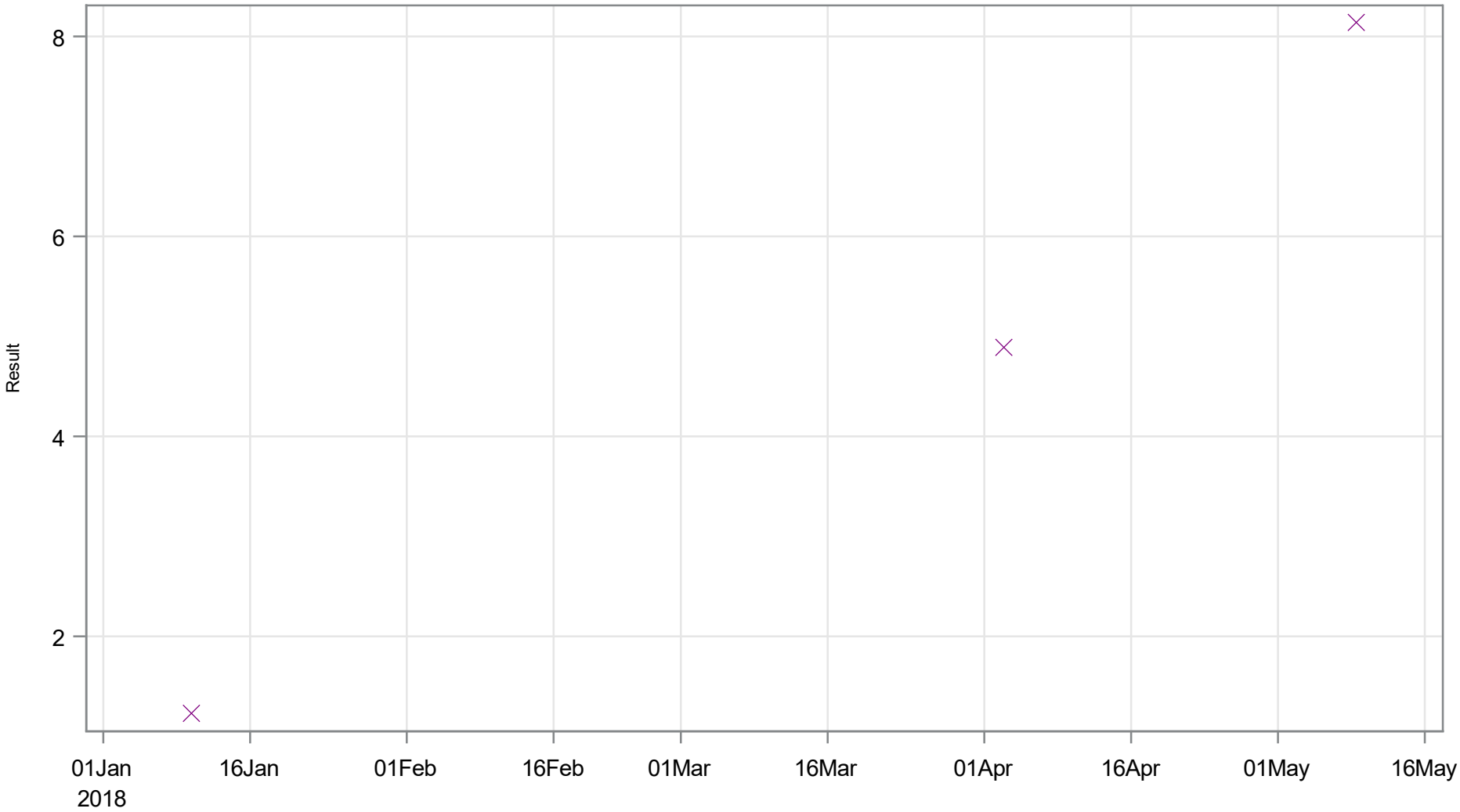
Boxplot by MFL Period for Surface Chlorophyll (Total) (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

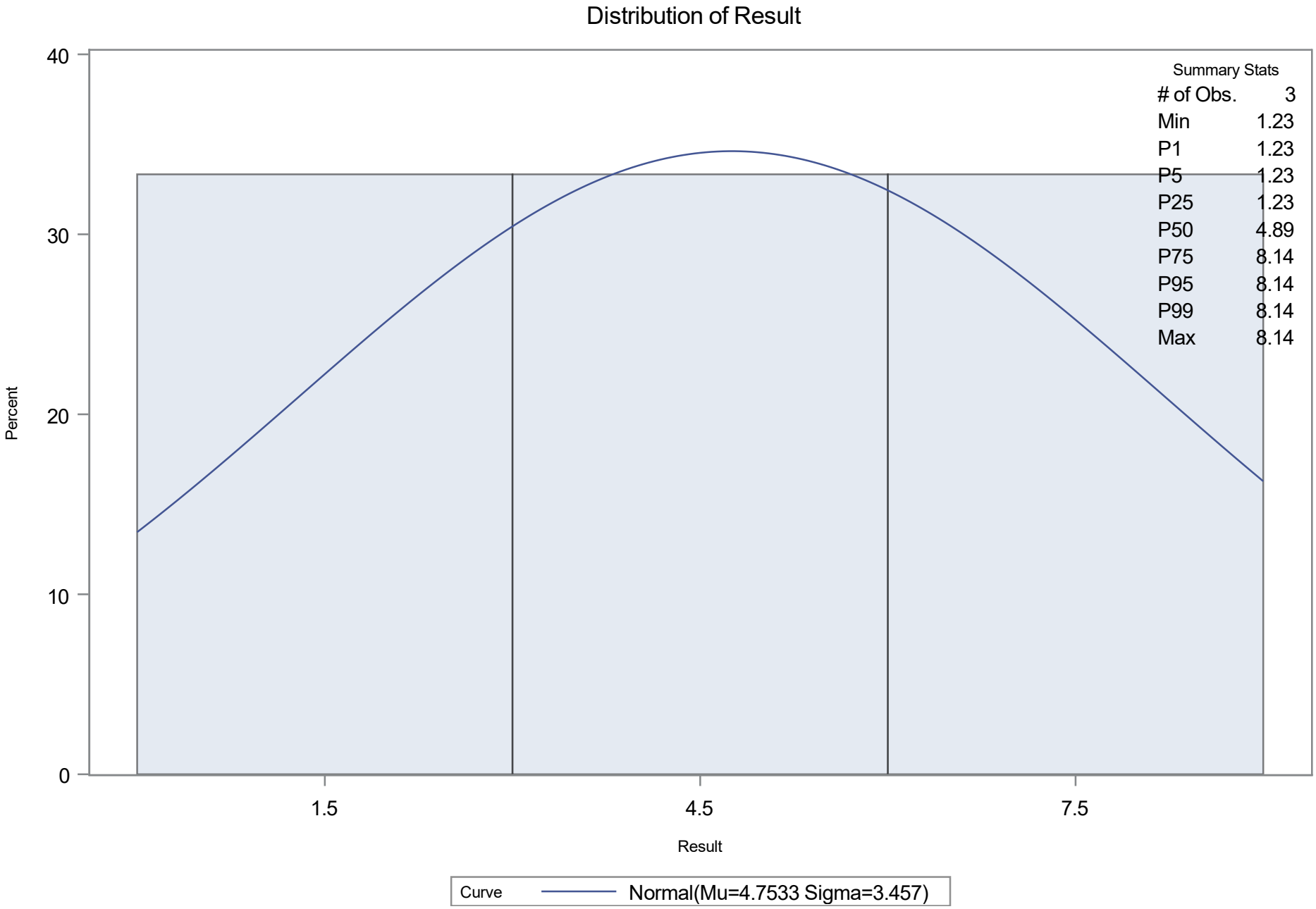
DRAFT

Timeseries of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.753333
Std Dev	Sigma	3.457027

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18243395	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02819457	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19079478	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.23000	-3.28891
5.0	1.23000	-0.93297
10.0	1.23000	0.32298
25.0	1.23000	2.42160
50.0	4.89000	4.75333
75.0	8.14000	7.08506
90.0	8.14000	9.18369
95.0	8.14000	10.43964
99.0	8.14000	12.79558

Period of Record: January 1996 through December 2023
Analysis Days Only

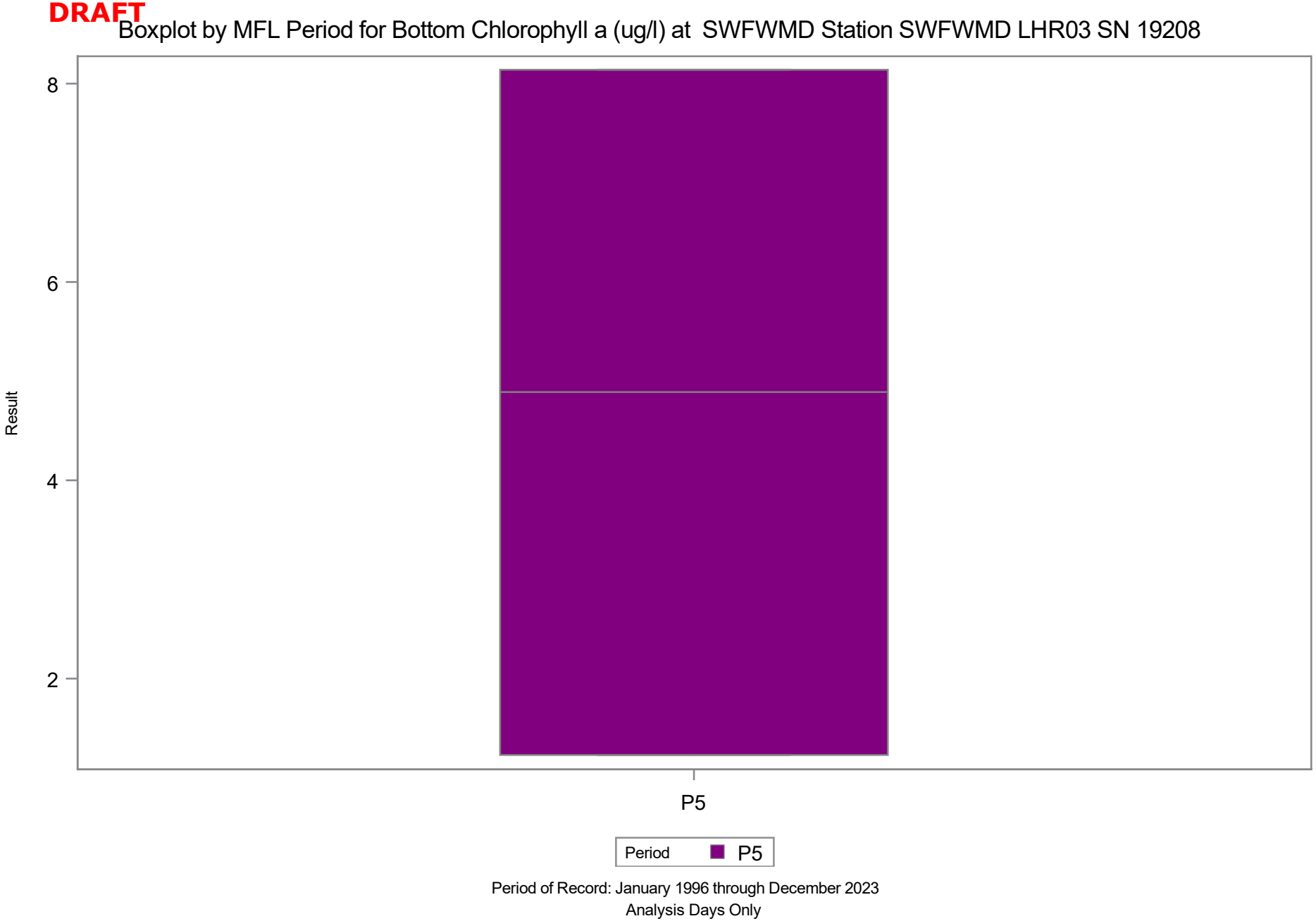
DRAFT

Distributional Statistics by Period for Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	3	1.23	1.23	4.75	4.89	8.14	8.14

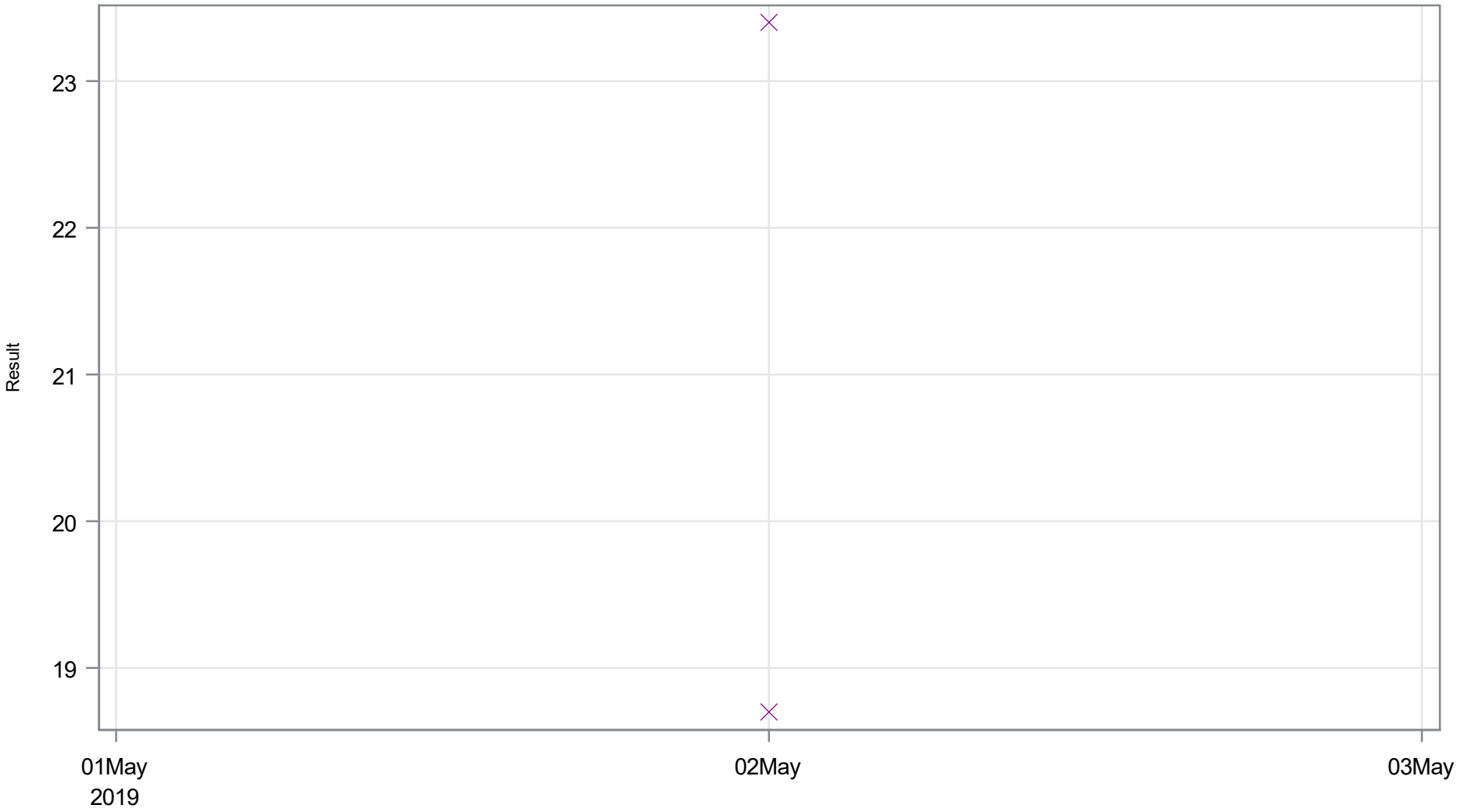
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

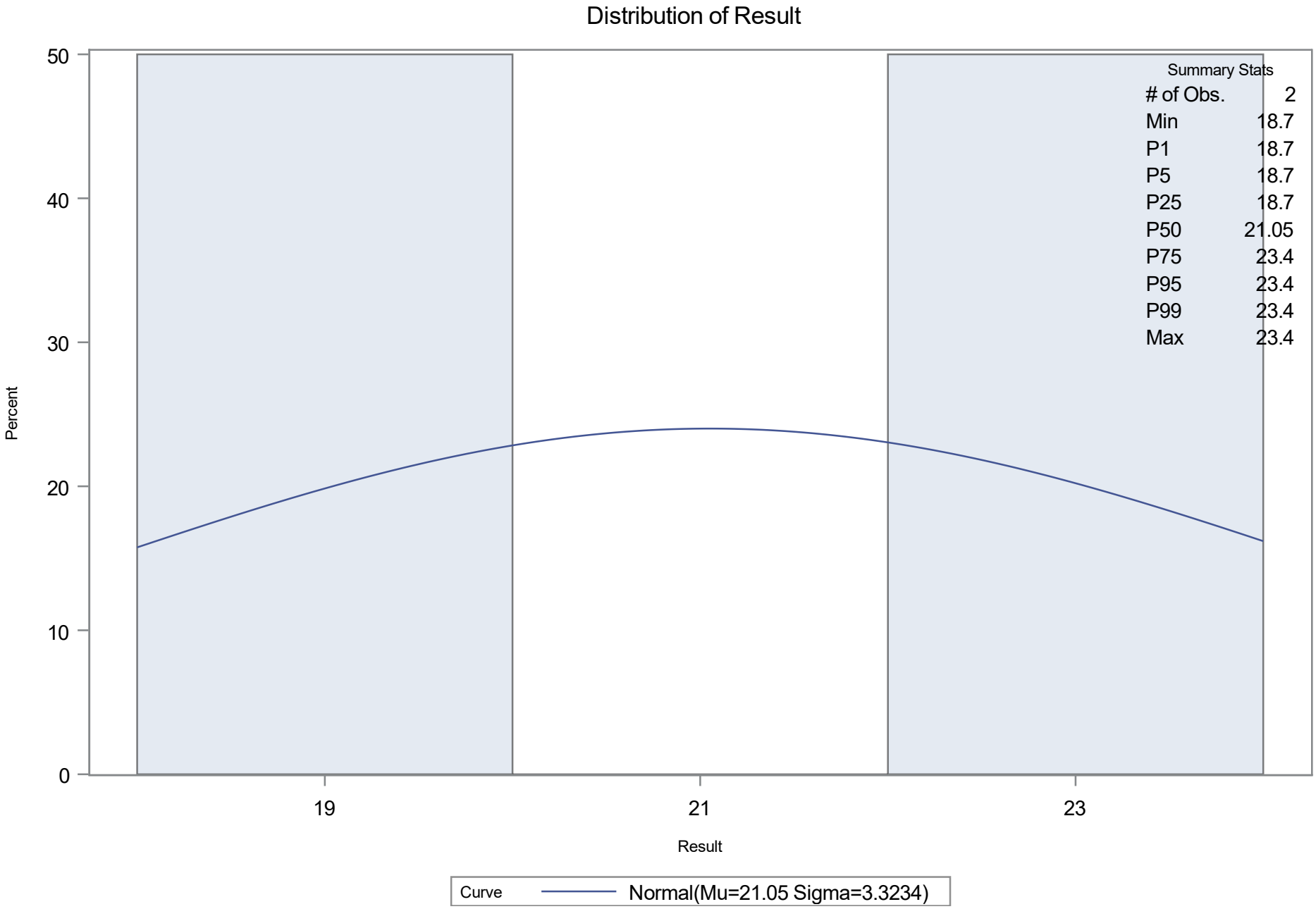
DRAFT

Timeseries of Midwater Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.05
Std Dev	Sigma	3.323402

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.7000	13.3186
5.0	18.7000	15.5835
10.0	18.7000	16.7909
25.0	18.7000	18.8084
50.0	21.0500	21.0500
75.0	23.4000	23.2916
90.0	23.4000	25.3091
95.0	23.4000	26.5165
99.0	23.4000	28.7814

Period of Record: January 1996 through December 2023
Analysis Days Only

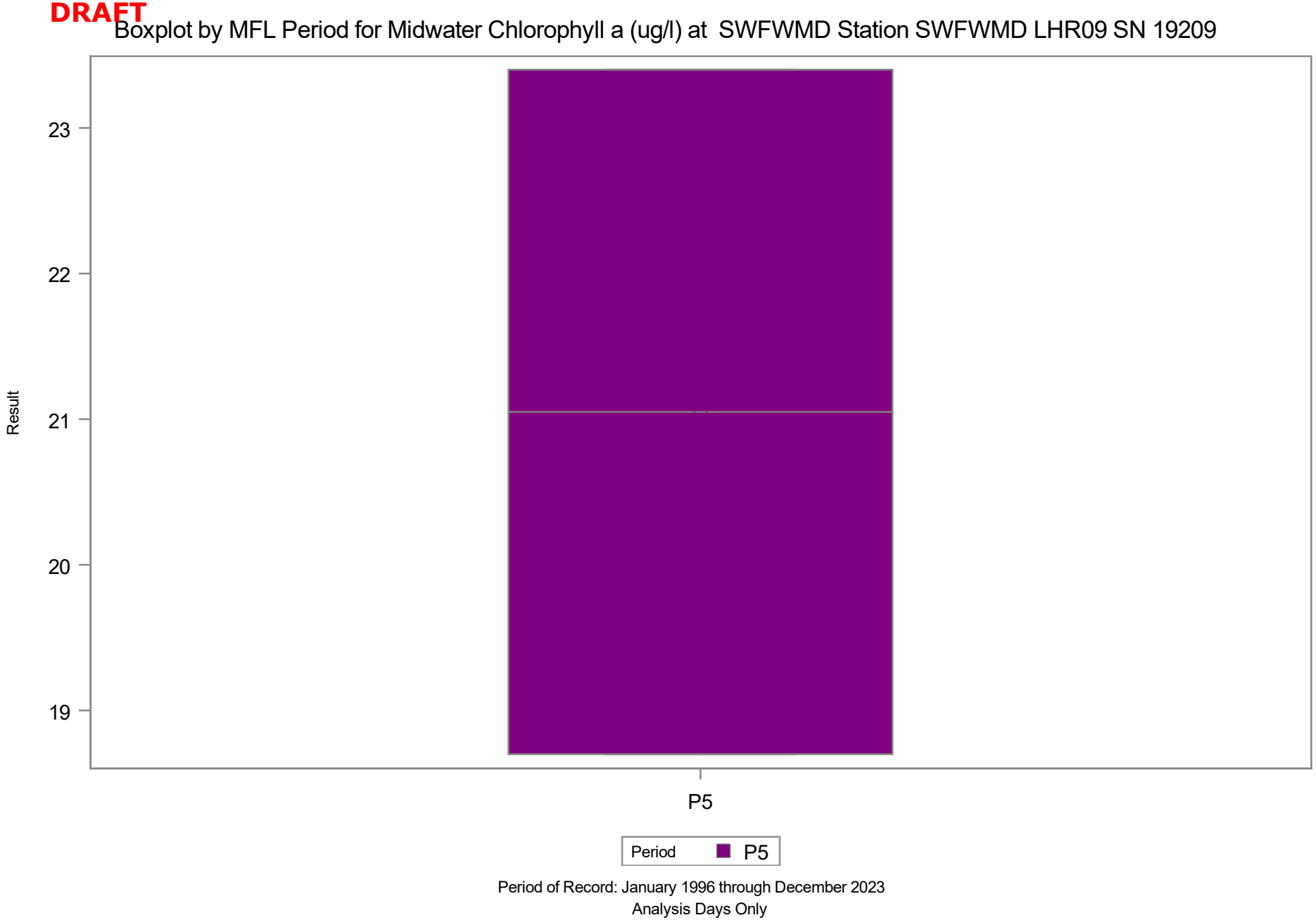
DRAFT

Distributional Statistics by Period for Midwater Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

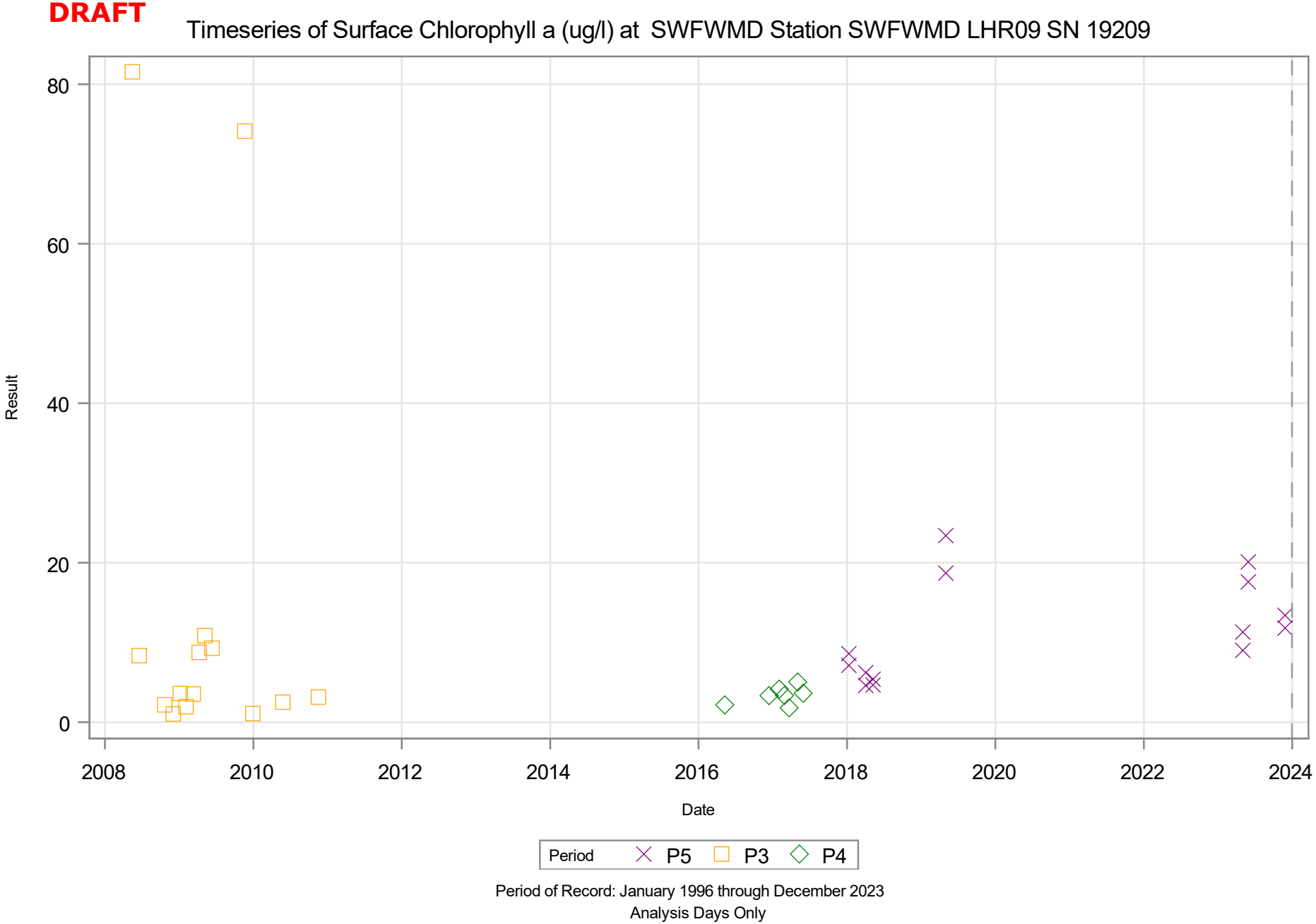
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	2	18.70	18.70	21.05	21.05	23.40	23.40

Period of Record: January 1996 through December 2023
Analysis Days Only

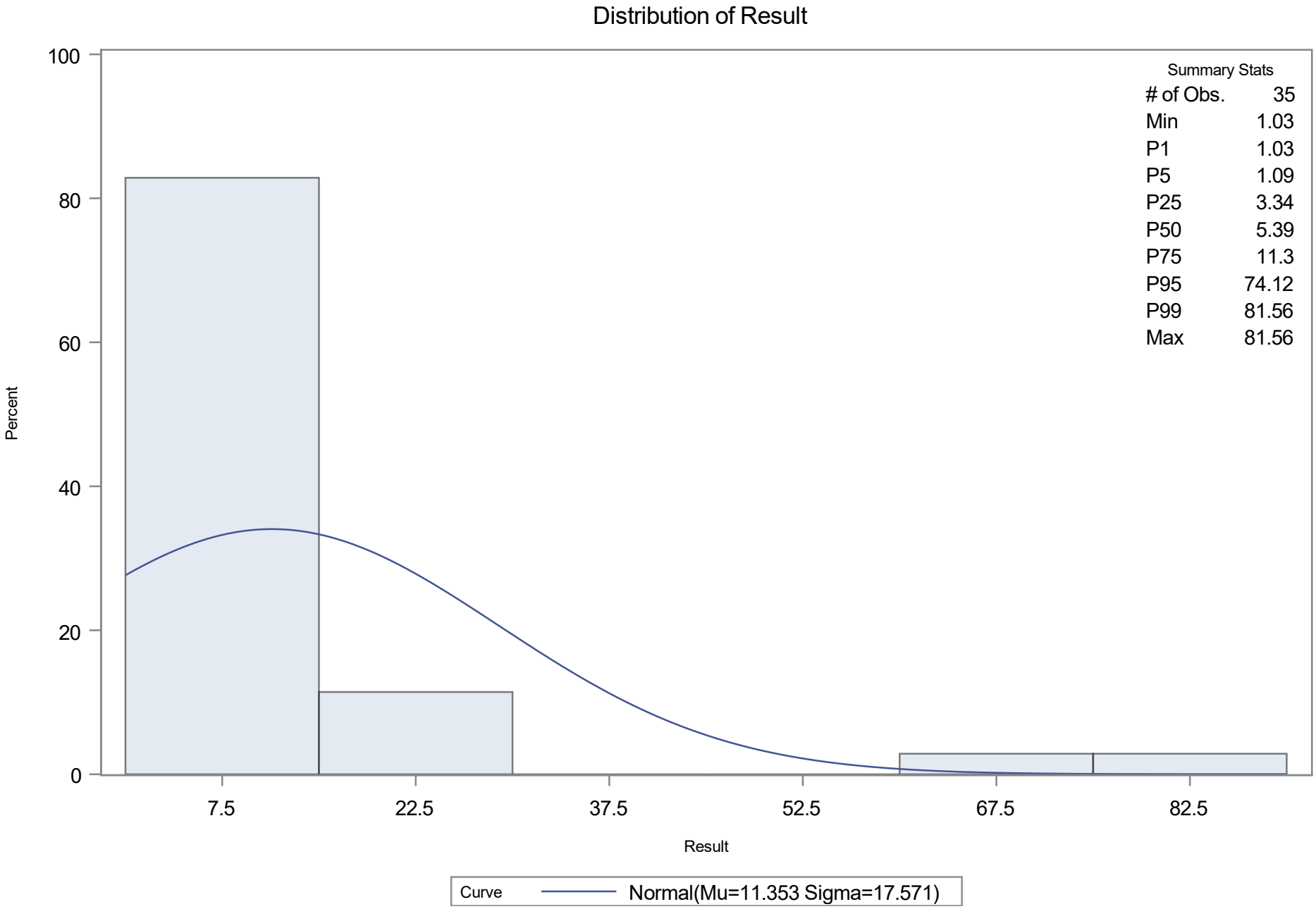
DRAFT


Boxplot by MFL Period for Midwater Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
23
22
21
20
19
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
80
60
40
20
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P5
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.35257
Std Dev	Sigma	17.57146

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28984268	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.03230646	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.72634478	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.03000	-29.52476
5.0	1.09000	-17.54991
10.0	1.95000	-11.16616
25.0	3.34000	-0.49920
50.0	5.39000	11.35257
75.0	11.30000	23.20434
90.0	20.10000	33.87131
95.0	74.12000	40.25506
99.0	81.56000	52.22991

Period of Record: January 1996 through December 2023
Analysis Days Only

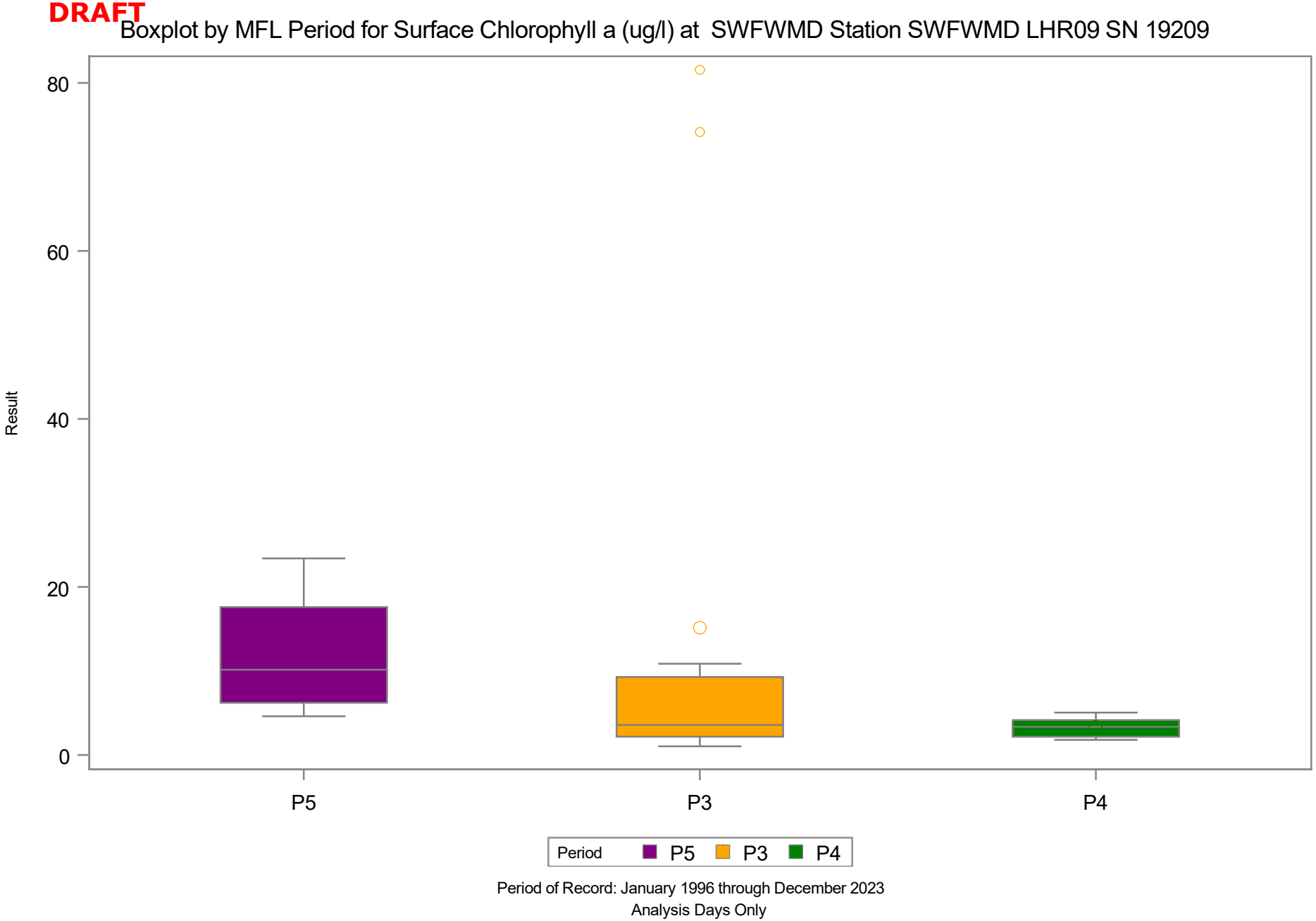
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209

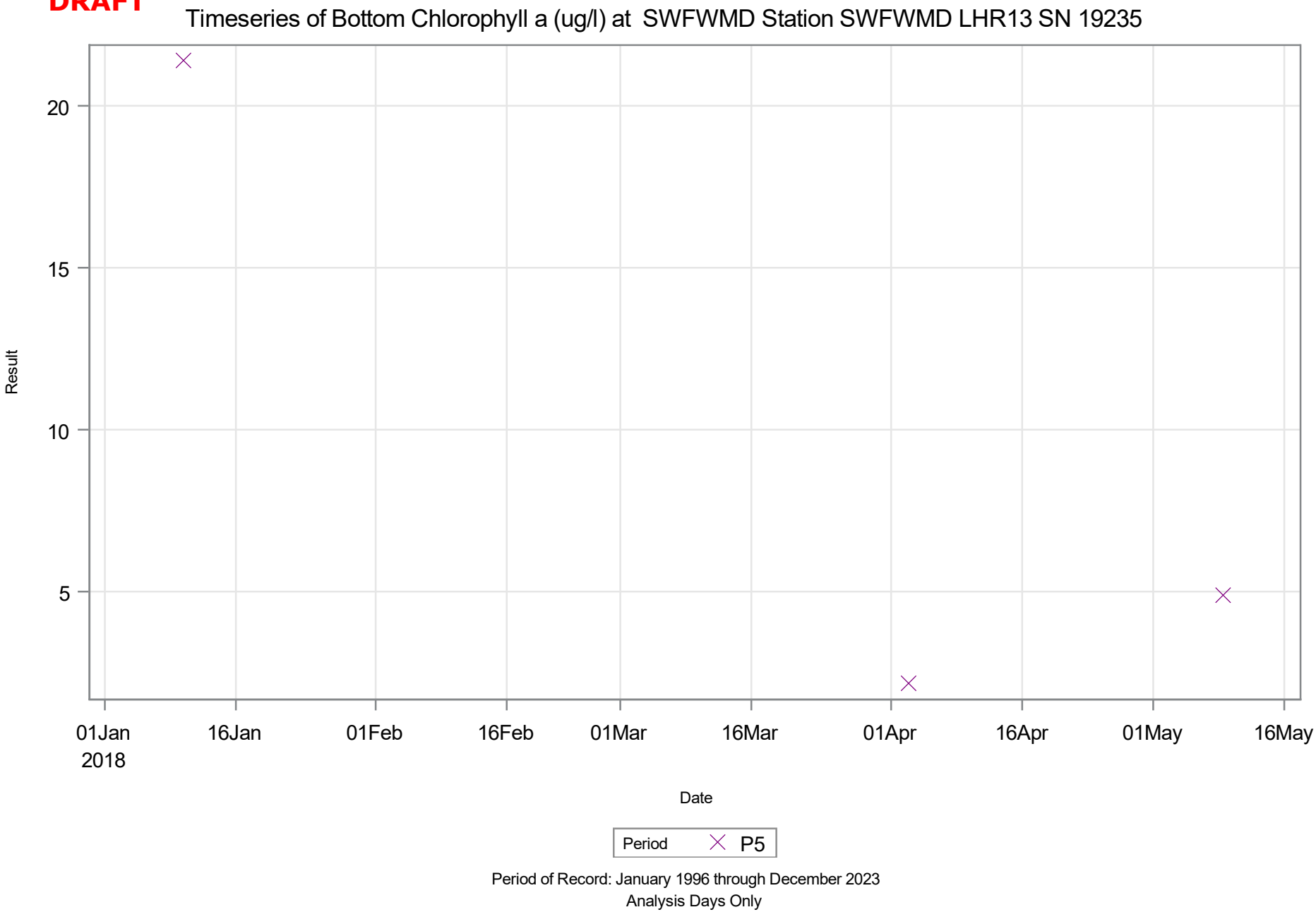
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	1.03	2.18	15.14	3.57	9.28	81.56
P4	7	1.80	2.17	3.35	3.35	4.15	5.04
P5	14	4.61	6.21	11.56	10.15	17.60	23.40

Period of Record: January 1996 through December 2023
Analysis Days Only

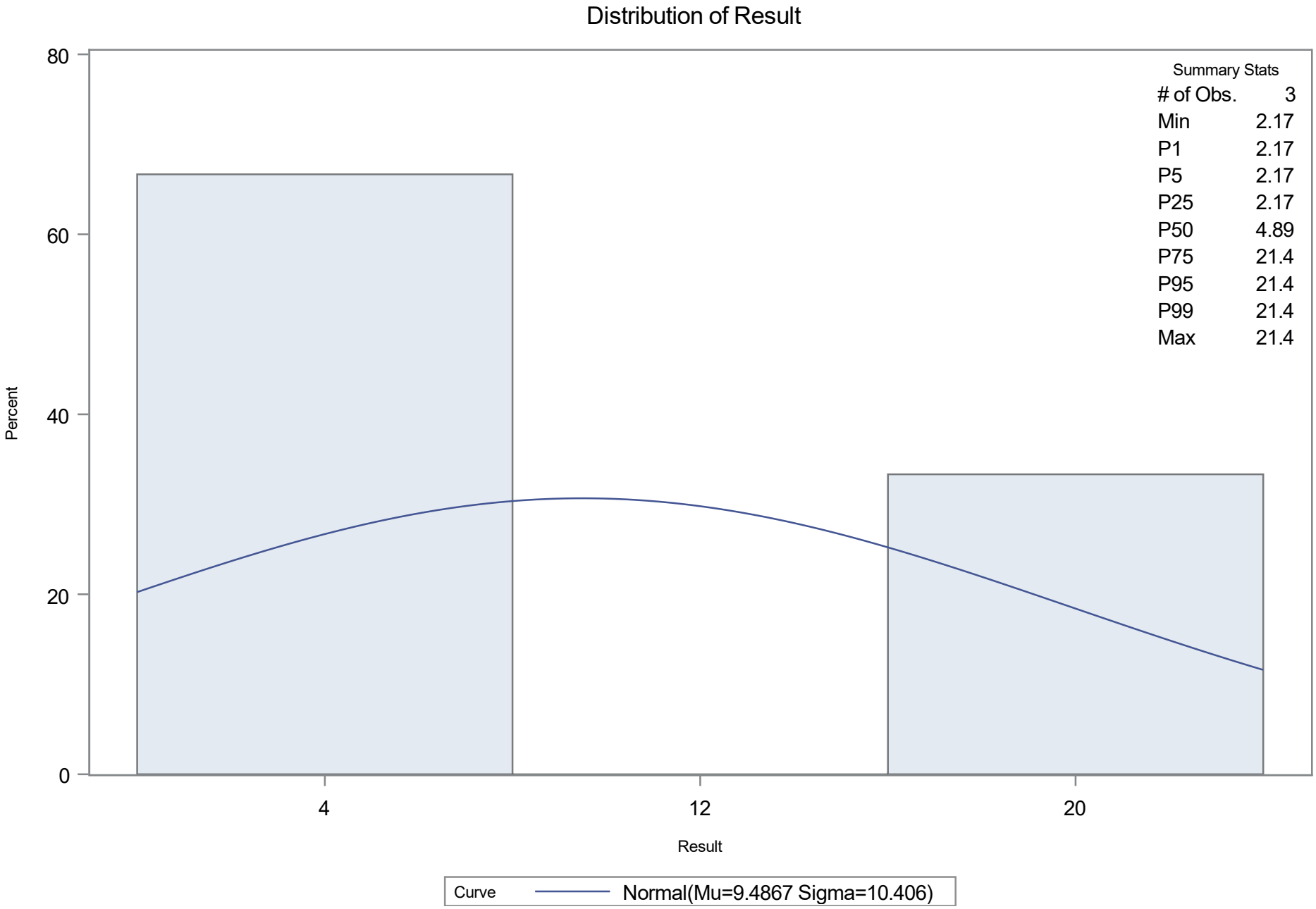
DRAFT


Boxplot by MFL Period for Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
80
60
40
20
0
P5
P3
P4
Period
P5
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
20
15
10
5
01Jan
2018
16Jan
01Feb
16Feb
01Mar
16Mar
01Apr
16Apr
01May
16May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.486667
Std Dev	Sigma	10.4065

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.33731754	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06406697	**Pr > W-Sq**	0.246
Anderson-Darling	**A-Sq**	0.35889424	**Pr > A-Sq**	0.175

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.17000	-14.72247
5.0	2.17000	-7.63050
10.0	2.17000	-3.84980
25.0	2.17000	2.46759
50.0	4.89000	9.48667
75.0	21.40000	16.50574
90.0	21.40000	22.82313
95.0	21.40000	26.60384
99.0	21.40000	33.69580

Period of Record: January 1996 through December 2023
Analysis Days Only

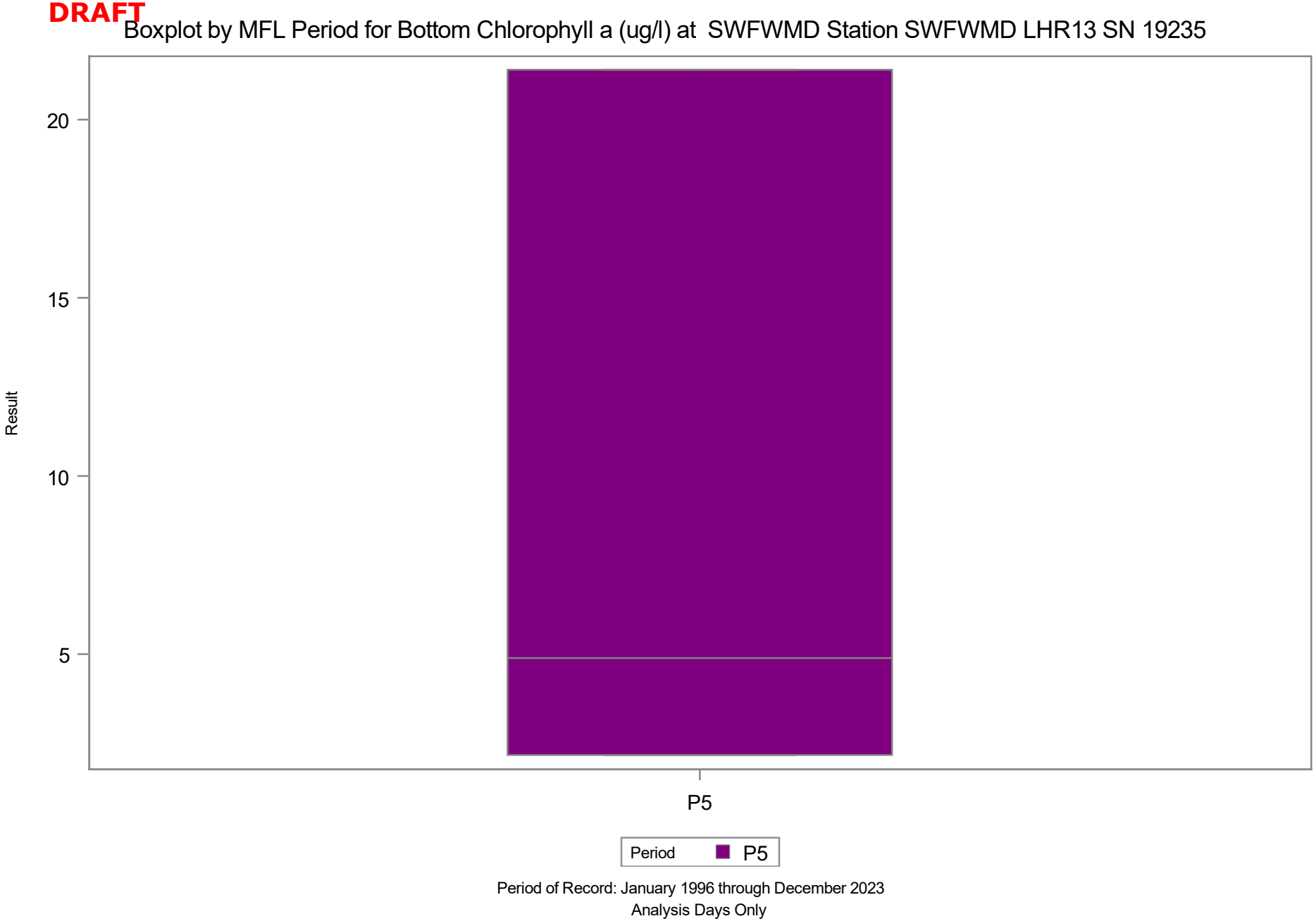
DRAFT

Distributional Statistics by Period for Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235

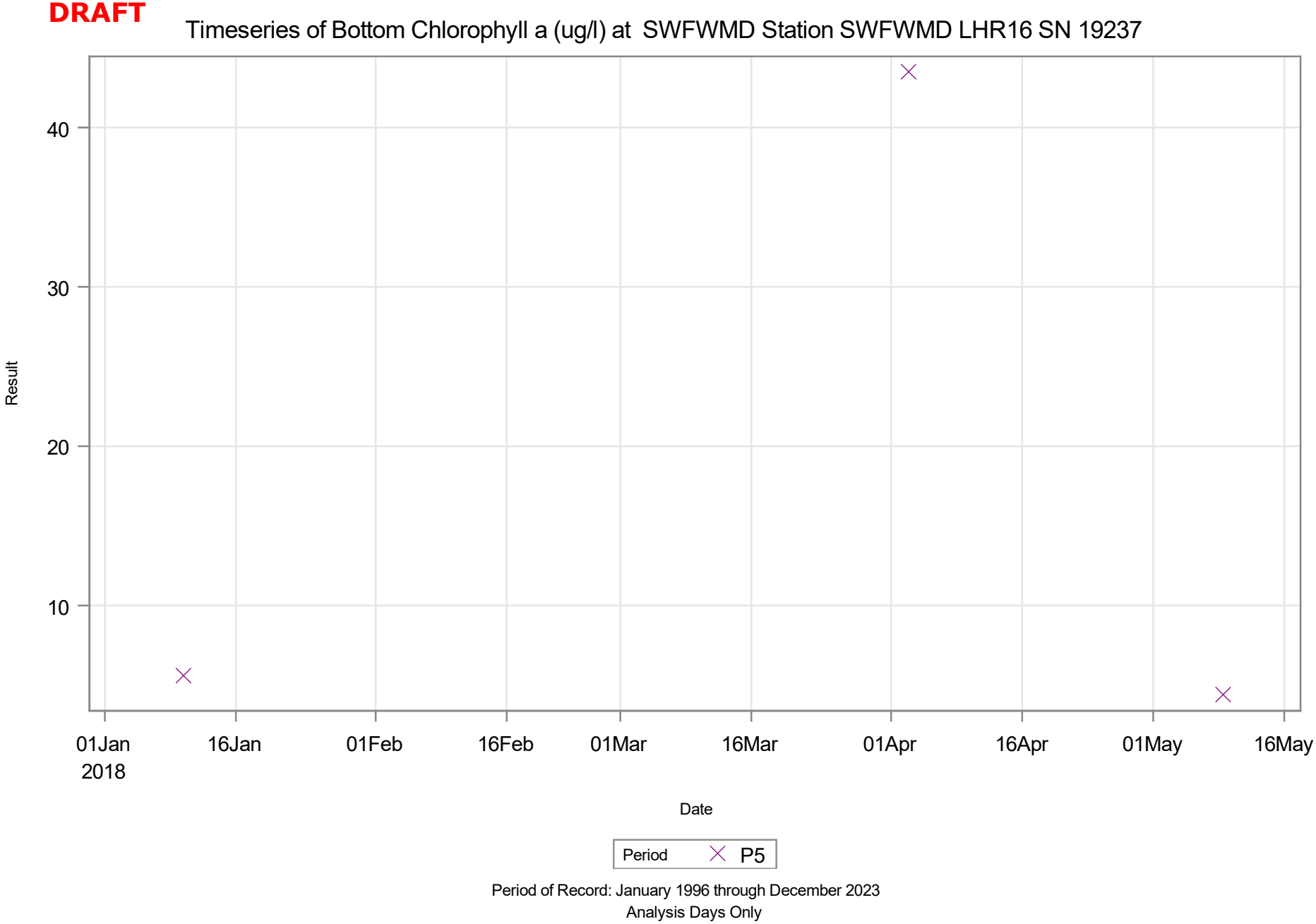
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	3	2.17	2.17	9.49	4.89	21.40	21.40

Period of Record: January 1996 through December 2023
Analysis Days Only

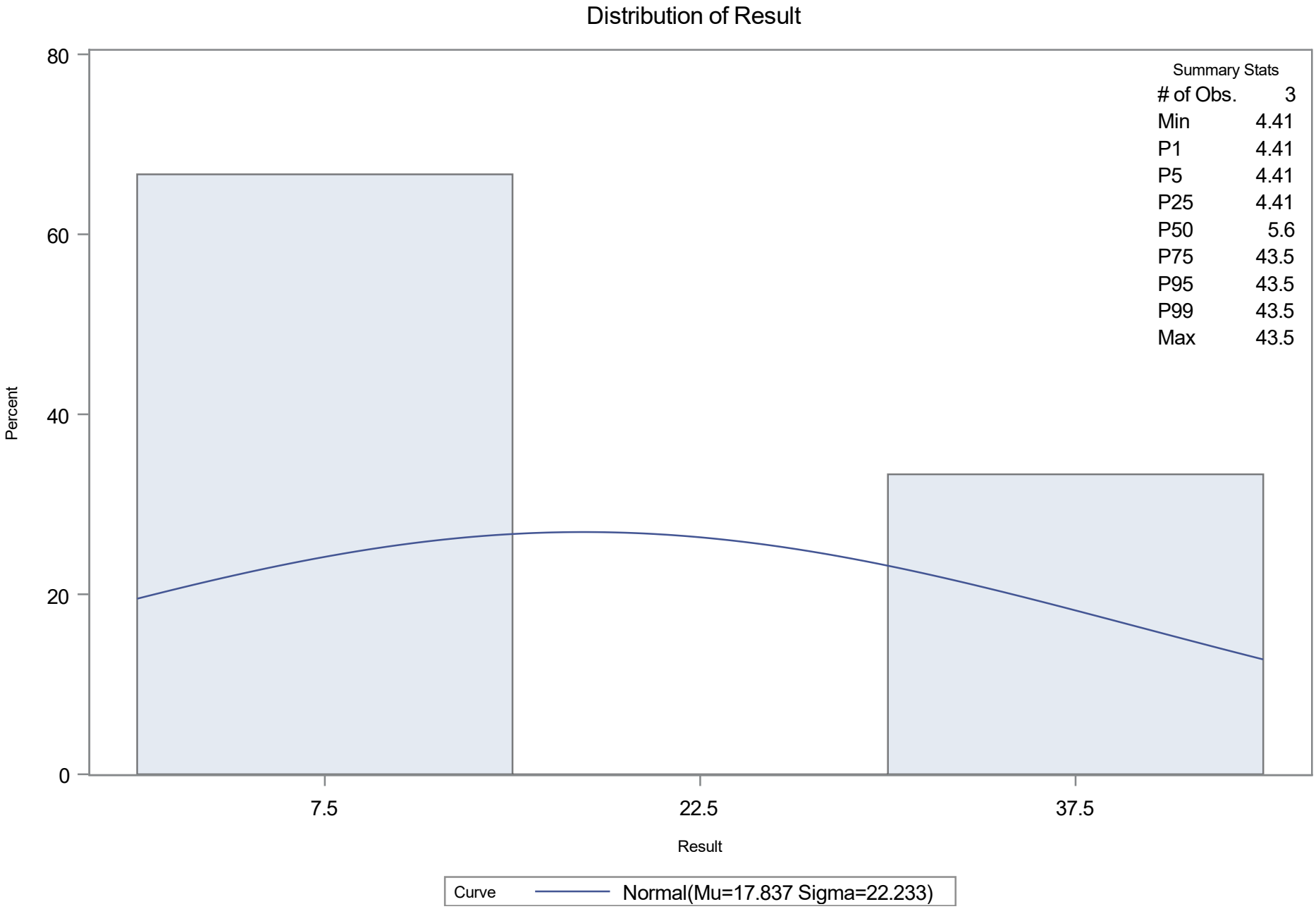
DRAFT


Boxplot by MFL Period for Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
20
15
10
5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
40
30
20
10
01Jan
2018
16Jan
01Feb
16Feb
01Mar
16Mar
01Apr
16Apr
01May
16May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.83667
Std Dev	Sigma	22.23306

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.37563781	**Pr > D**	0.092
Cramer-von Mises	**W-Sq**	0.08454772	**Pr > W-Sq**	0.121
Anderson-Darling	**A-Sq**	0.45868913	**Pr > A-Sq**	0.076

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.41000	-33.88517
5.0	4.41000	-18.73347
10.0	4.41000	-10.65615
25.0	4.41000	2.84069
50.0	5.60000	17.83667
75.0	43.50000	32.83264
90.0	43.50000	46.32948
95.0	43.50000	54.40680
99.0	43.50000	69.55850

Period of Record: January 1996 through December 2023
Analysis Days Only

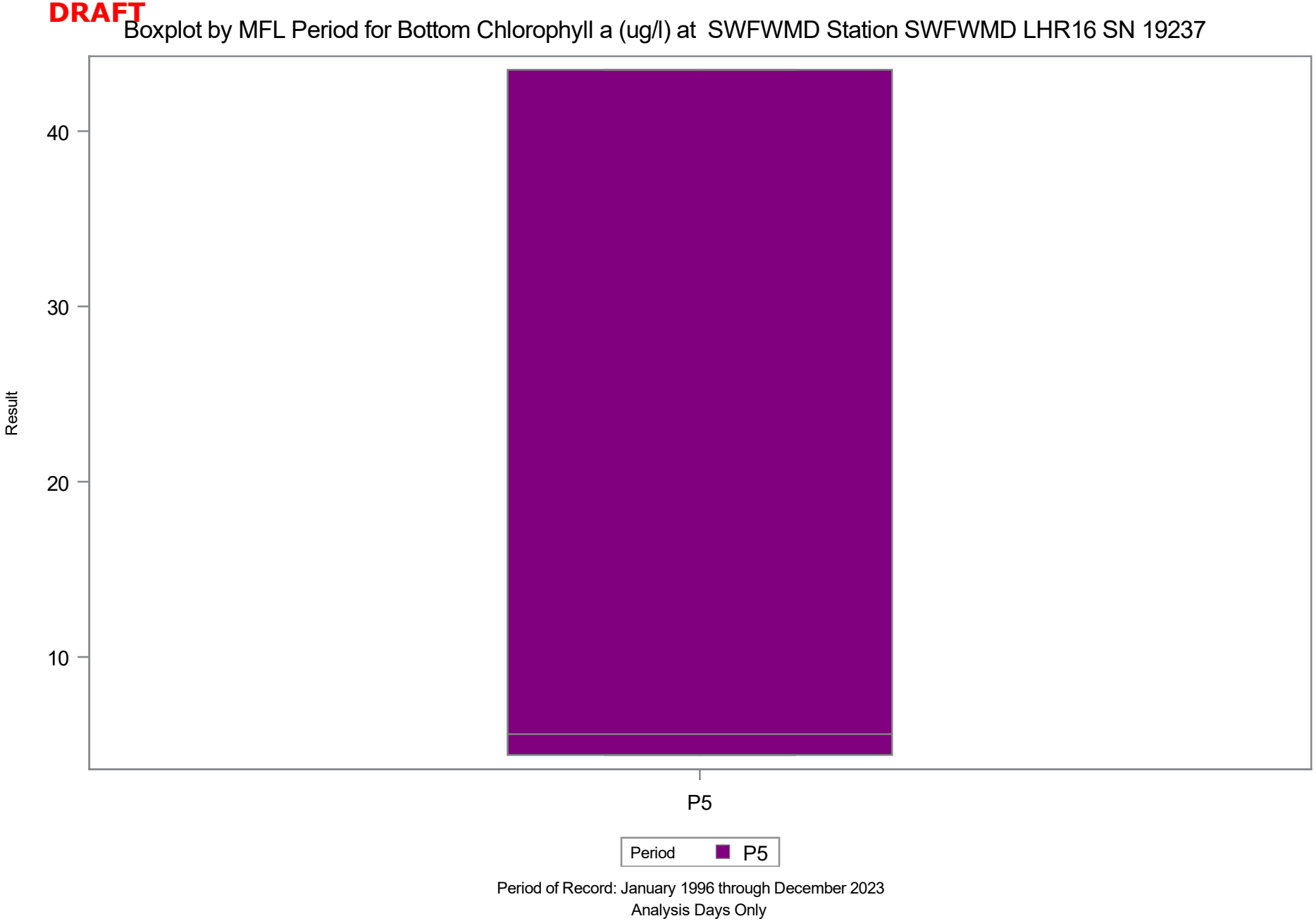
DRAFT

Distributional Statistics by Period for Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237

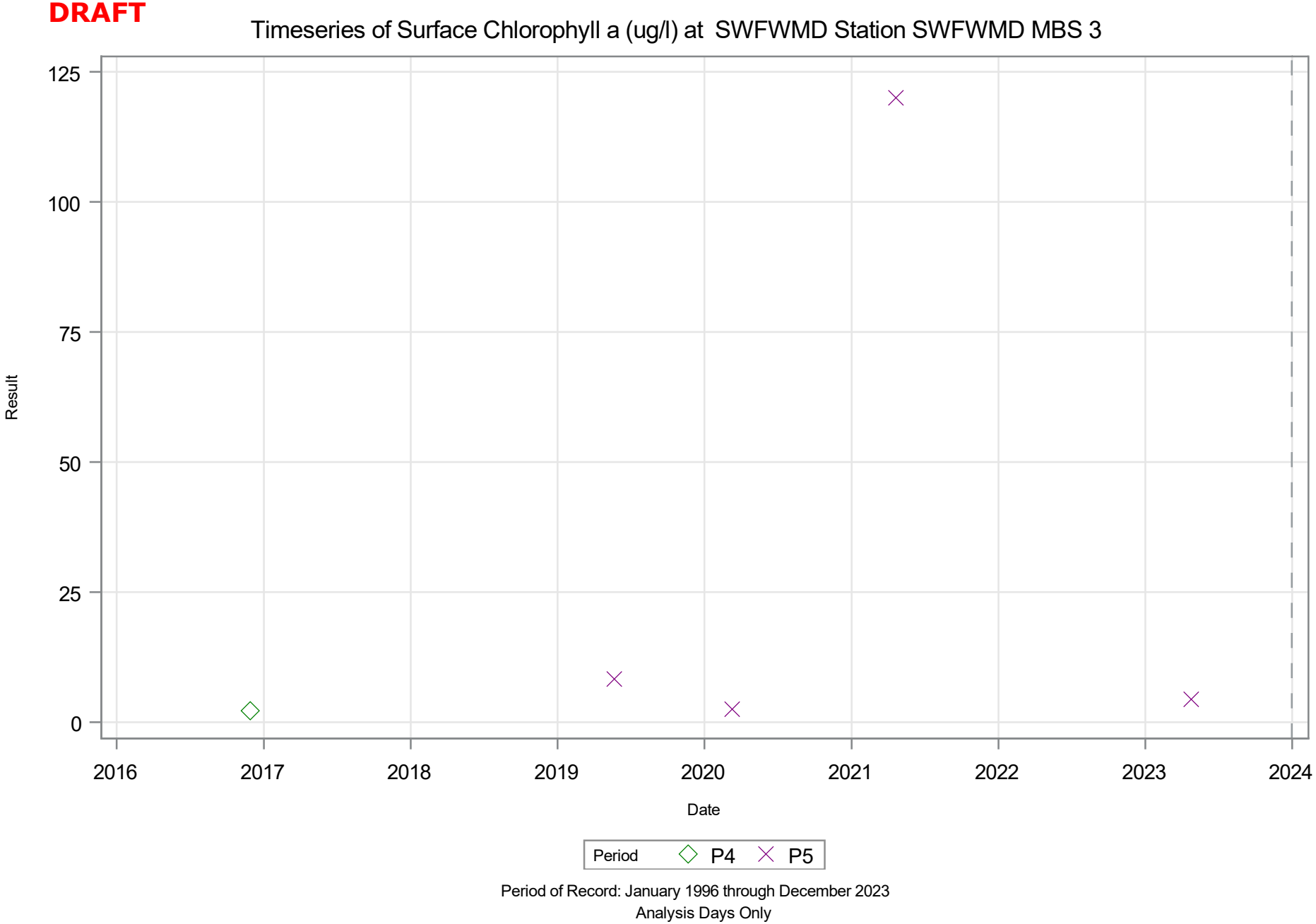
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	3	4.41	4.41	17.84	5.60	43.50	43.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

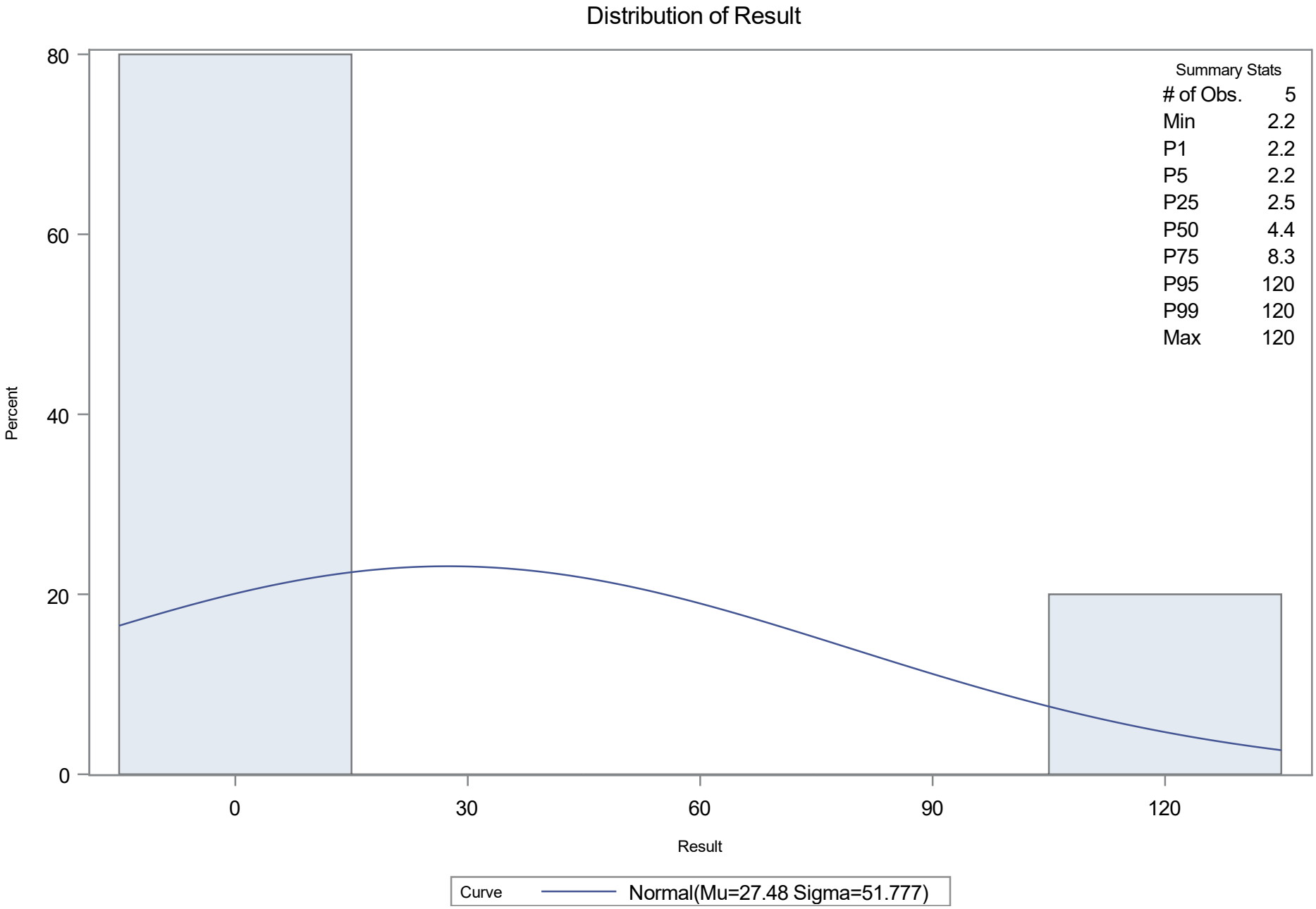

Boxplot by MFL Period for Bottom Chlorophyll a (ug/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
40
30
20
10
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD MBS 3
125
100
75
50
25
0
Result
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	27.48
Std Dev	Sigma	51.77738

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.44446970	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21437429	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.08131757	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.20000	-92.97220
5.0	2.20000	-57.68621
10.0	2.20000	-38.87538
25.0	2.50000	-7.44331
50.0	4.40000	27.48000
75.0	8.30000	62.40331
90.0	120.00000	93.83538
95.0	120.00000	112.64621
99.0	120.00000	147.93220

Period of Record: January 1996 through December 2023
Analysis Days Only

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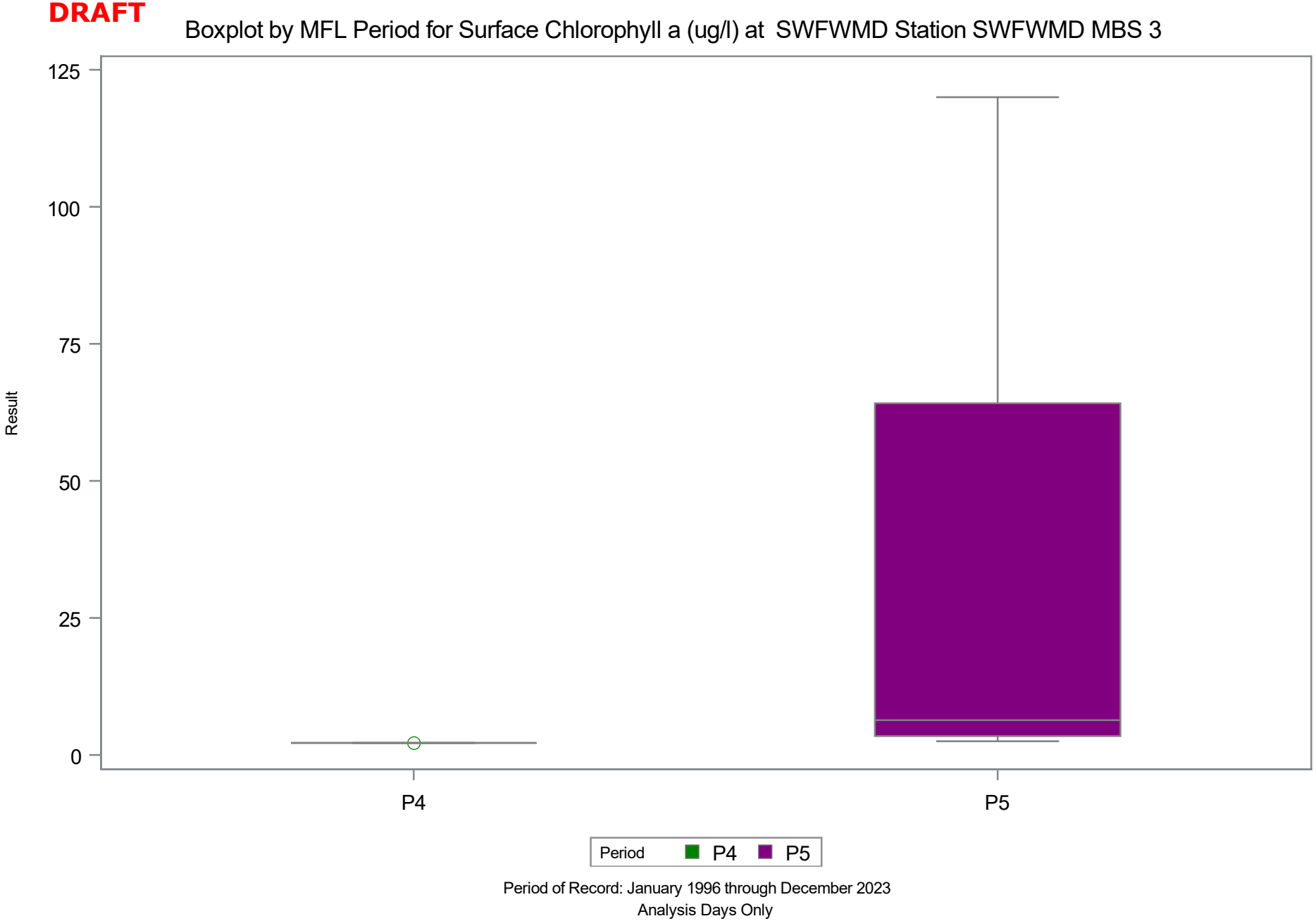
Distributional Statistics by Period for Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD MBS 3

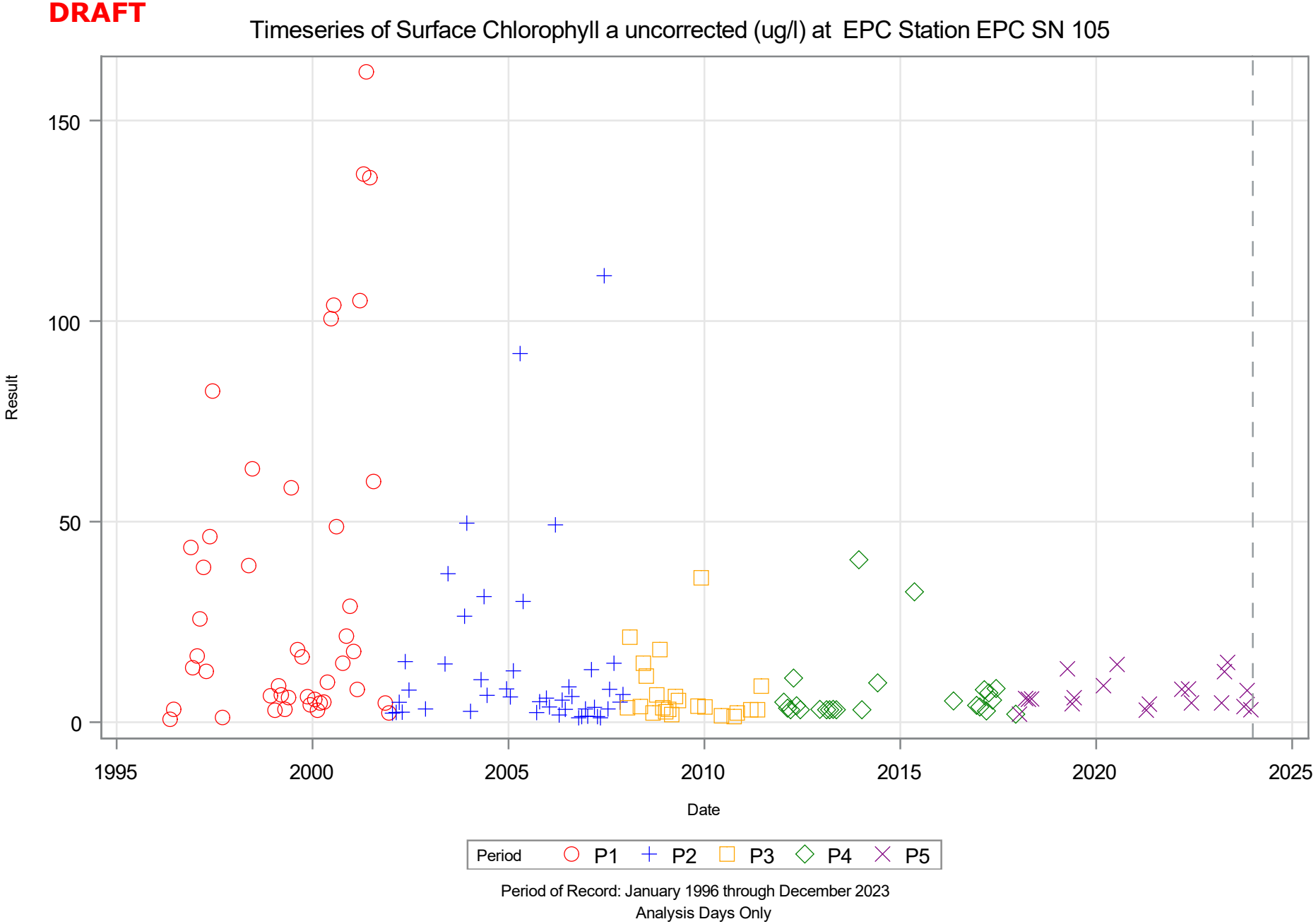
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	1	2.20	2.20	2.20	2.20	2.20	2.20
P5	4	2.50	3.45	33.80	6.35	64.15	120.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

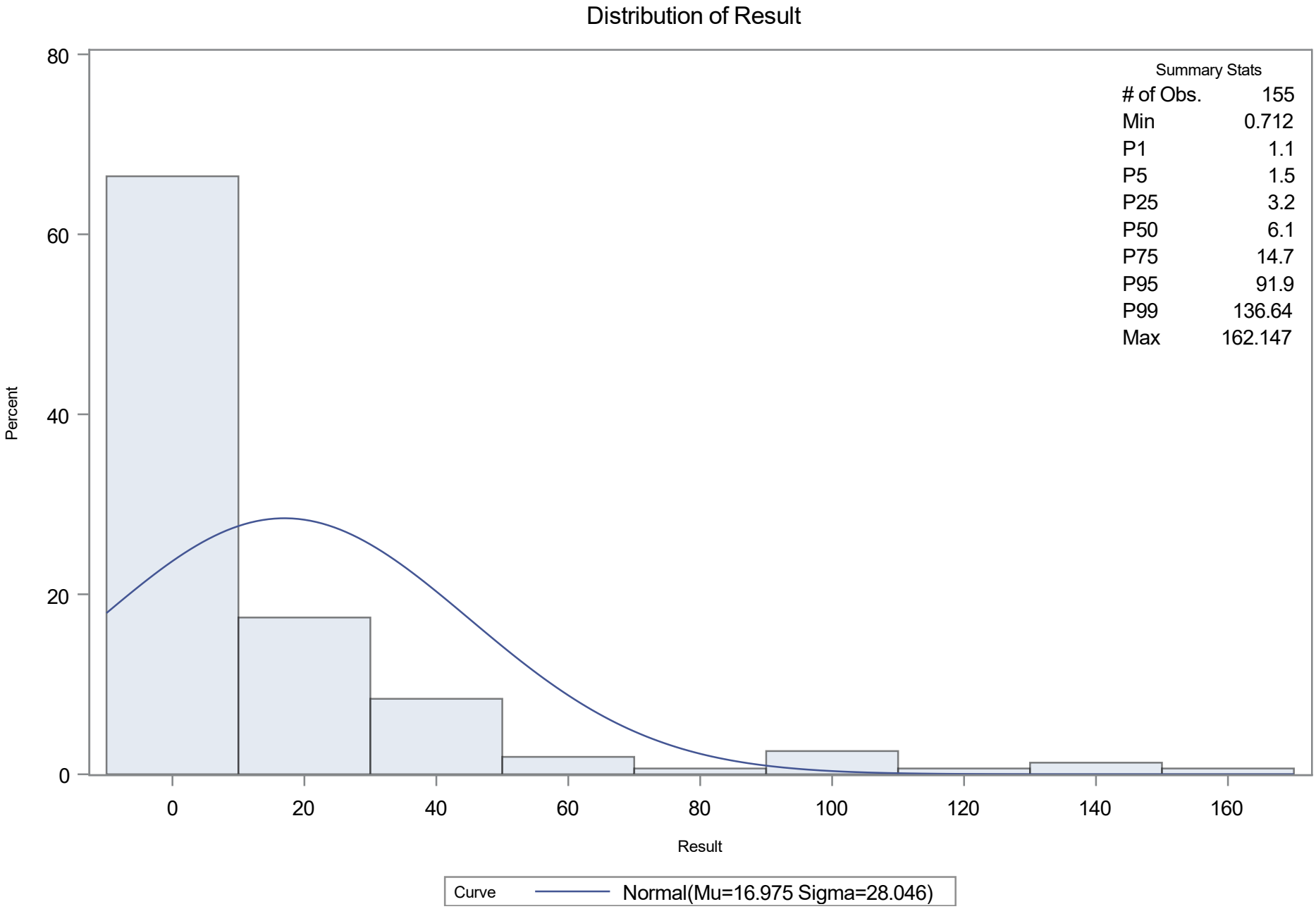

Boxplot by MFL Period for Surface Chlorophyll a (ug/l) at SWFWMD Station SWFWMD MBS 3
125
100
75
50
25
0
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 105
Result
150
100
50
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.97461
Std Dev	Sigma	28.04641

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3008389	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.8208000	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	24.6205090	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.10000	-48.27109
5.0	1.50000	-29.15762
10.0	2.30000	-18.96831
25.0	3.20000	-1.94240
50.0	6.10000	16.97461
75.0	14.70000	35.89163
90.0	46.17900	52.91753
95.0	91.90000	63.10685
99.0	136.64000	82.22032

Period of Record: January 1996 through December 2023
Analysis Days Only

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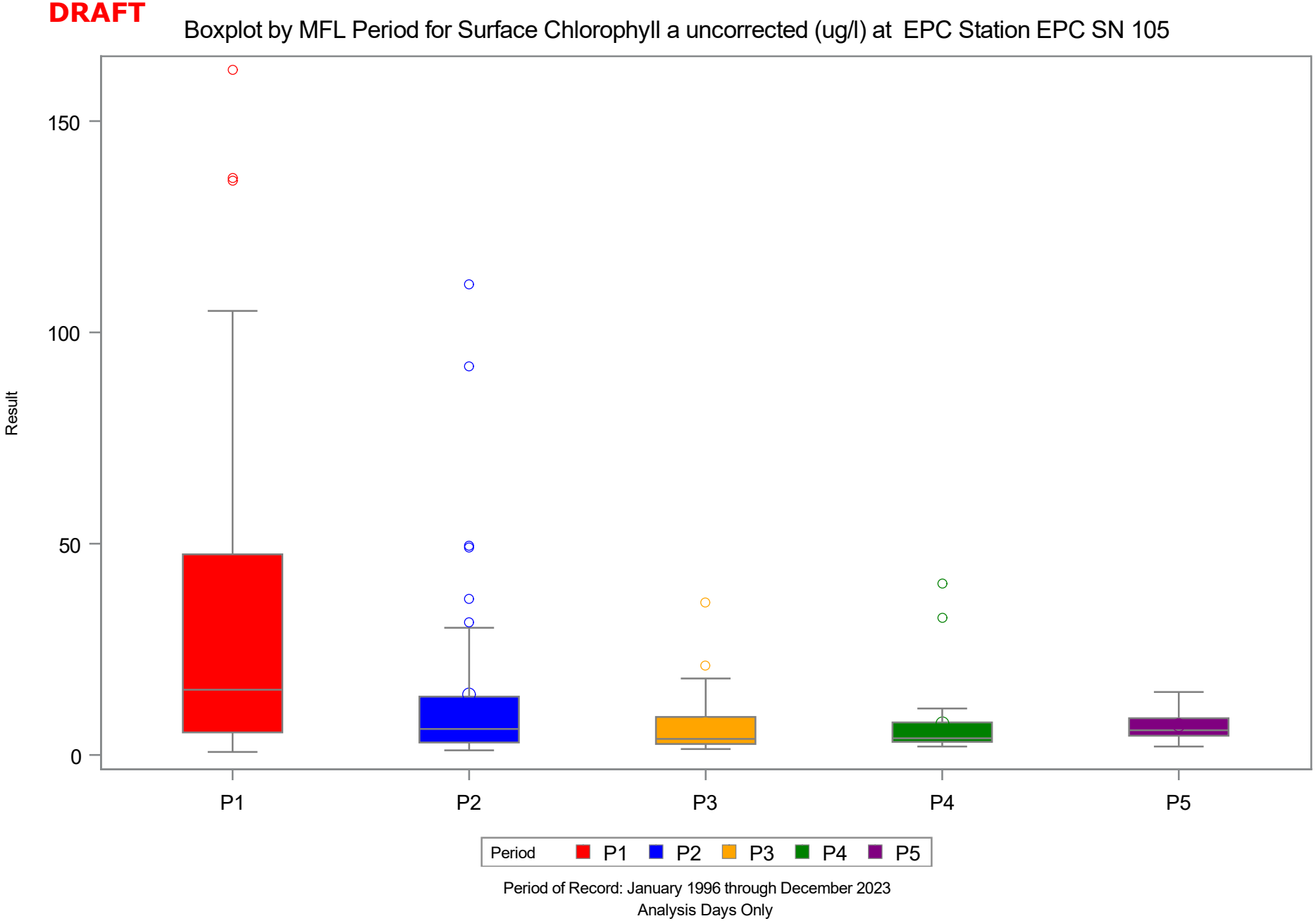
Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 105

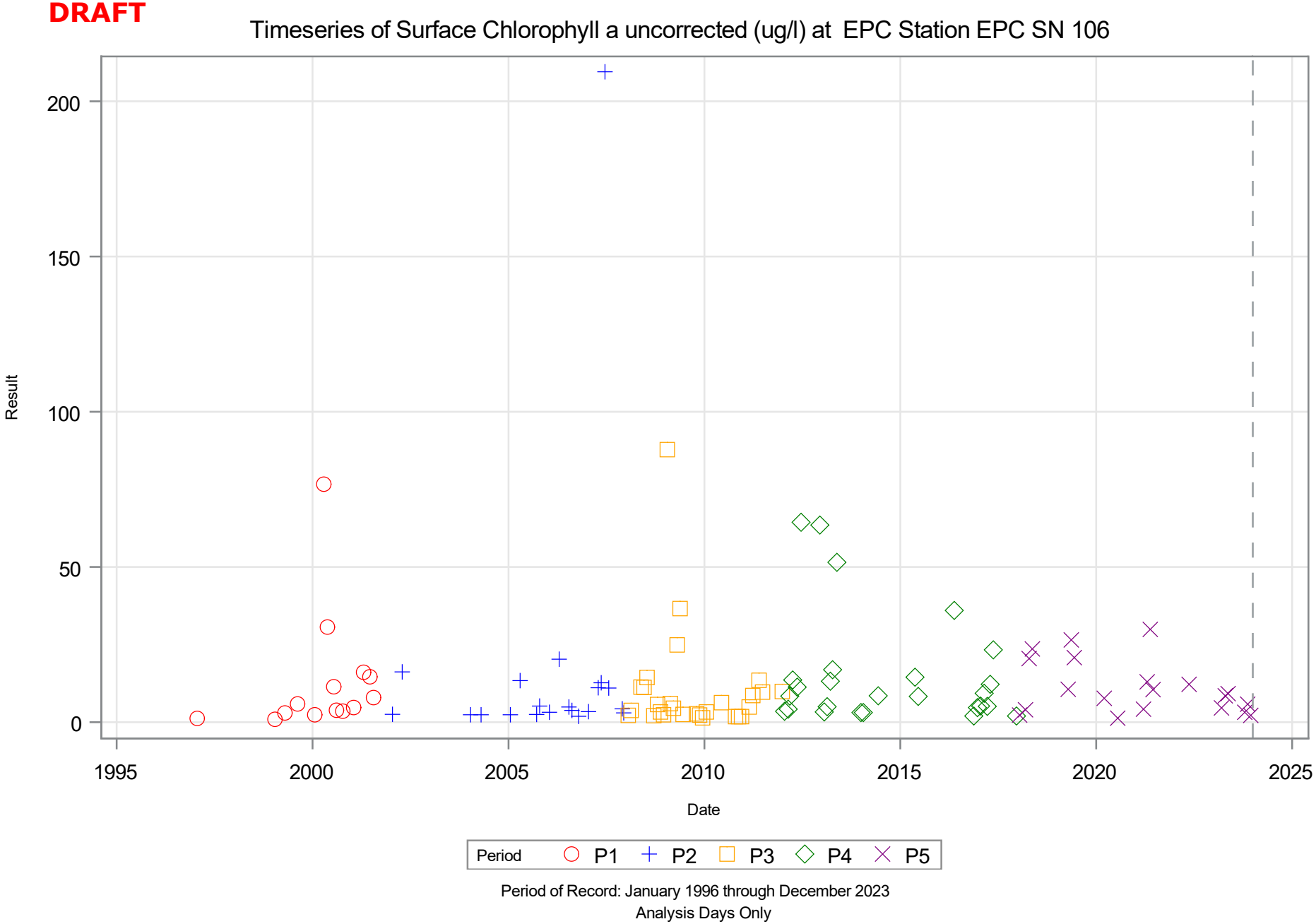
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.71	5.34	34.20	15.44	47.49	162.15
P2	44	1.10	2.95	14.43	6.15	13.81	111.30
P3	23	1.40	2.60	7.37	3.80	9.00	36.00
P4	24	2.00	3.10	7.45	3.95	7.70	40.50
P5	20	2.00	4.55	7.15	5.85	8.70	14.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

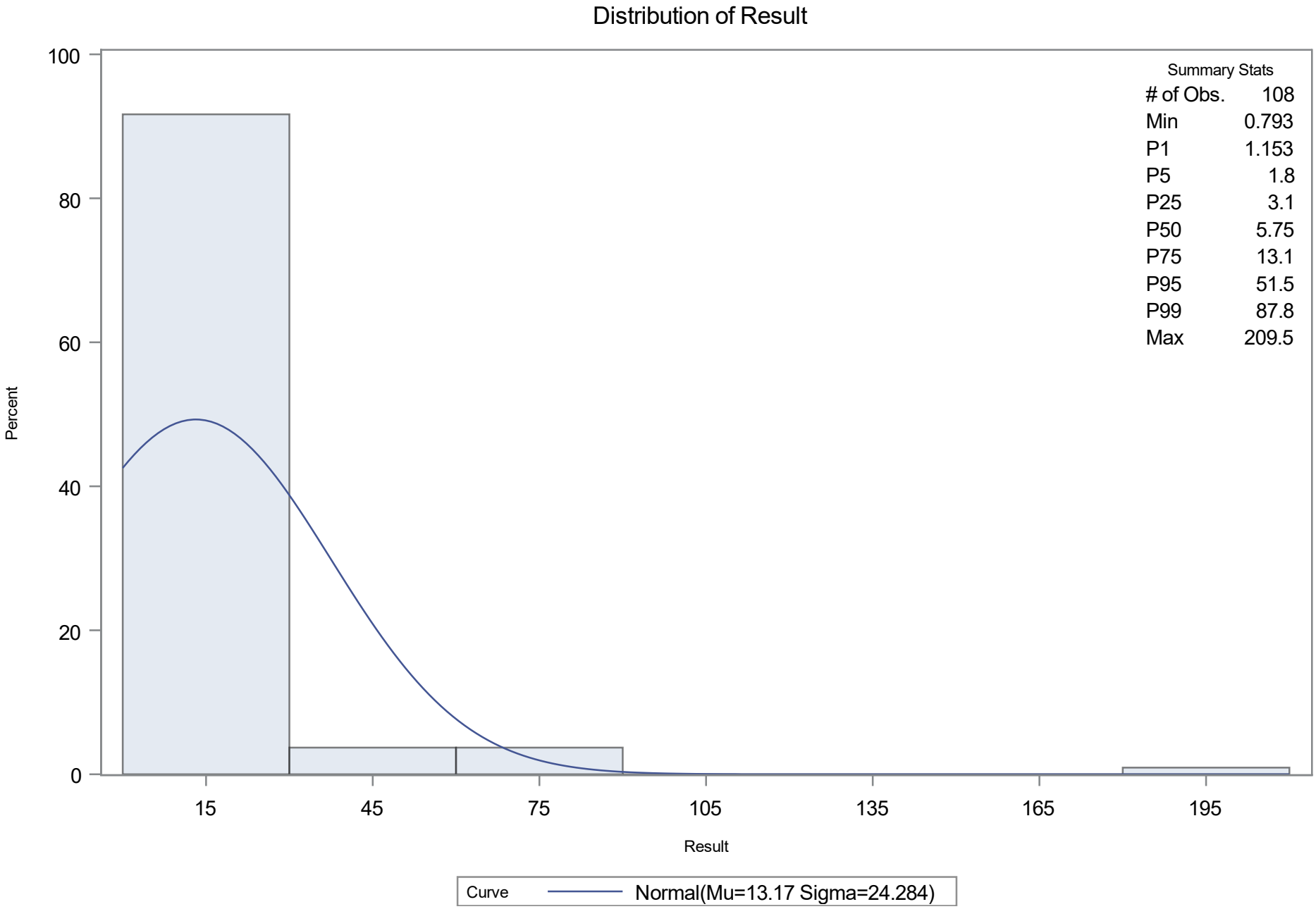

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 105
Result
150
100
50
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 106
Result
200
150
100
50
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.17029
Std Dev	Sigma	24.28412

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3051355	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.4140135	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	17.4491222	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.15300	-43.32301
5.0	1.80000	-26.77353
10.0	2.10000	-17.95106
25.0	3.10000	-3.20910
50.0	5.75000	13.17029
75.0	13.10000	29.54967
90.0	26.50000	44.29163
95.0	51.50000	53.11410
99.0	87.80000	69.66359

Period of Record: January 1996 through December 2023
Analysis Days Only

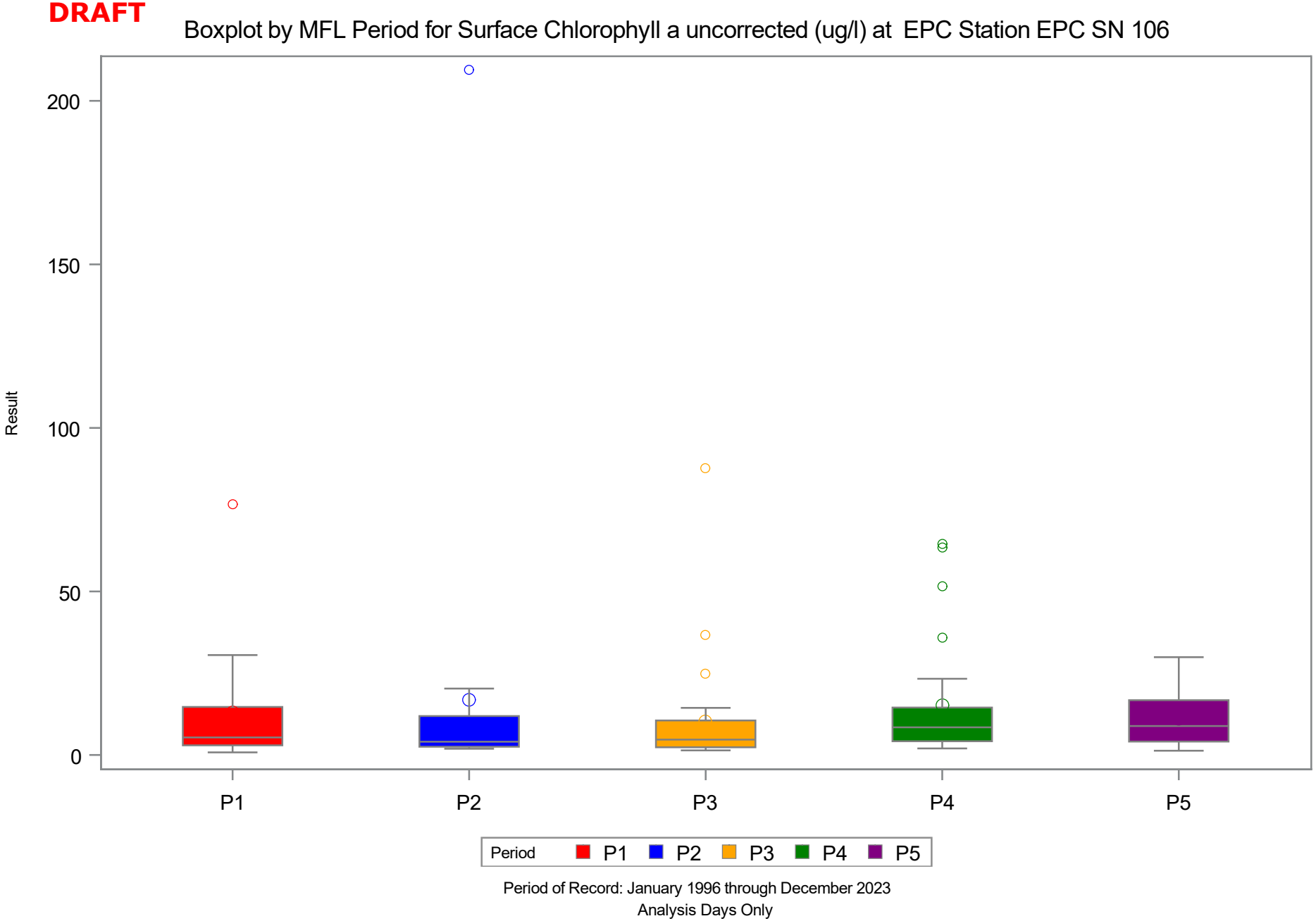
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 106

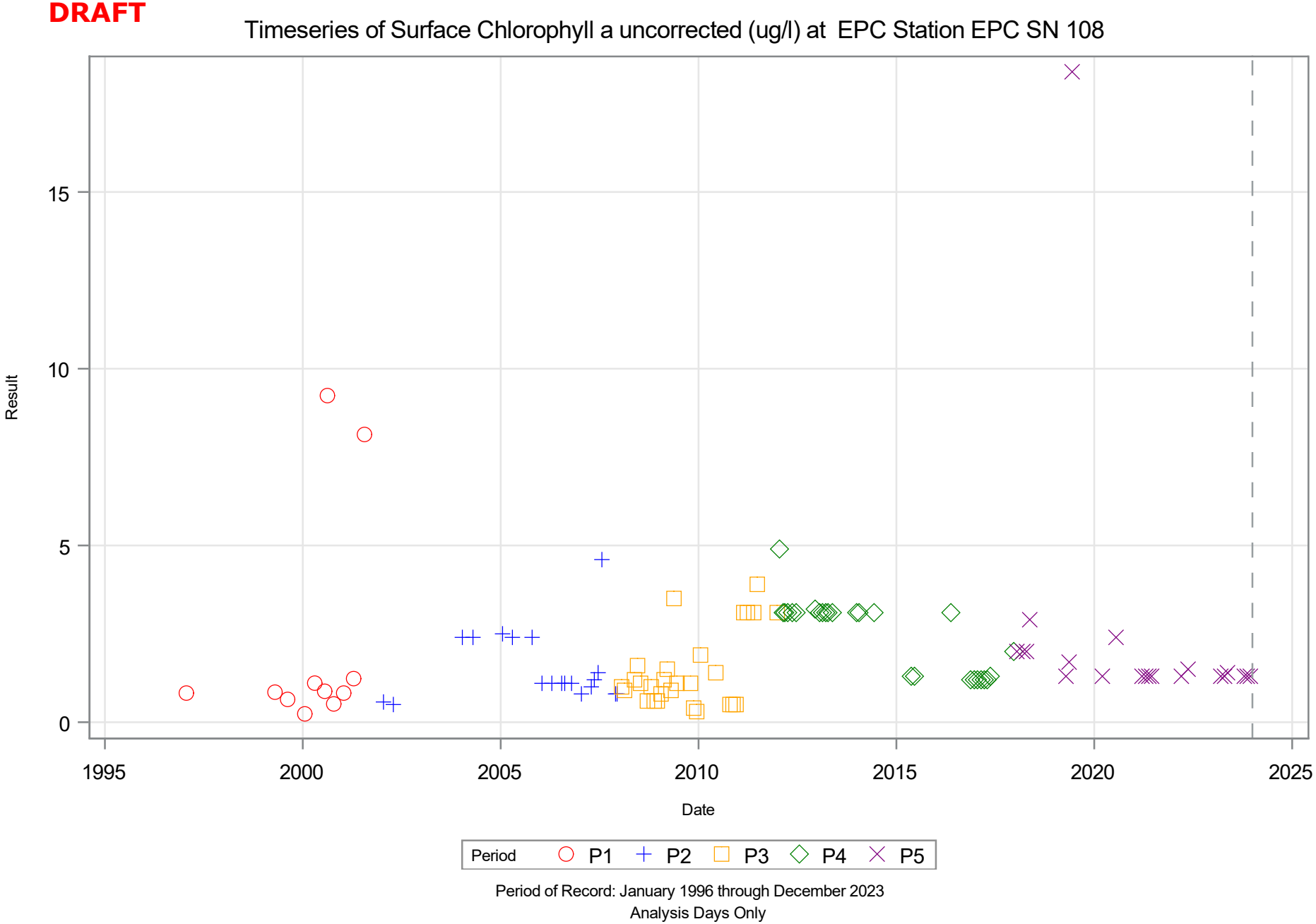
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	14	0.79	2.95	13.06	5.36	14.69	76.67
P2	20	1.90	2.52	16.81	4.05	11.90	209.50
P3	28	1.40	2.35	10.24	4.70	10.55	87.80
P4	26	2.00	4.20	15.23	8.45	14.50	64.40
P5	20	1.30	4.10	11.03	8.85	16.75	29.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

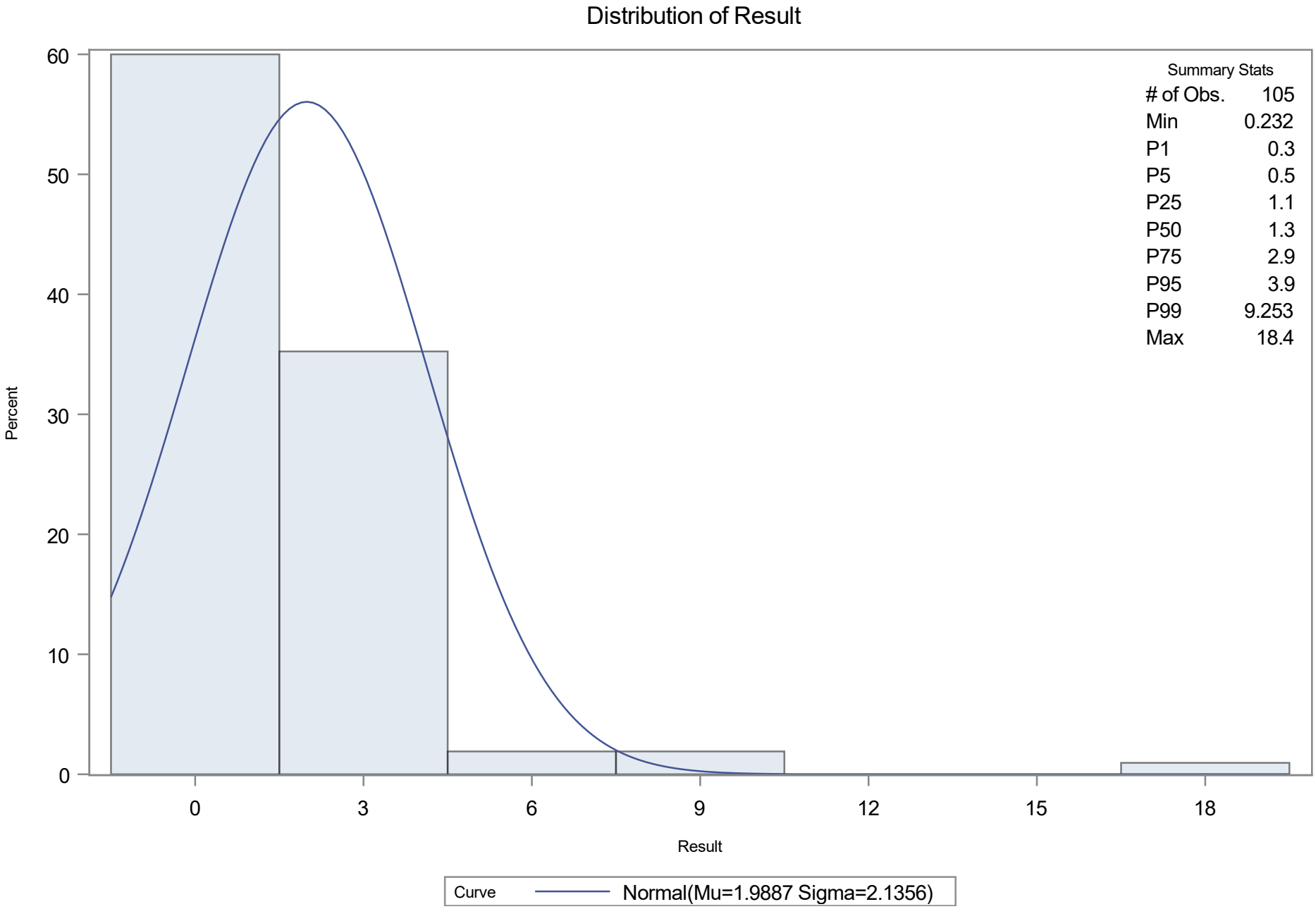

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 106
Result
200
150
100
50
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 108
Result
0
5
10
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.988705
Std Dev	Sigma	2.135572

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2252112	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.9341940	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.0529822	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-2.97938
5.0	0.50000	-1.52400
10.0	0.60000	-0.74814
25.0	1.10000	0.54828
50.0	1.30000	1.98870
75.0	2.90000	3.42913
90.0	3.10000	4.72555
95.0	3.90000	5.50141
99.0	9.25300	6.95679

Period of Record: January 1996 through December 2023
Analysis Days Only

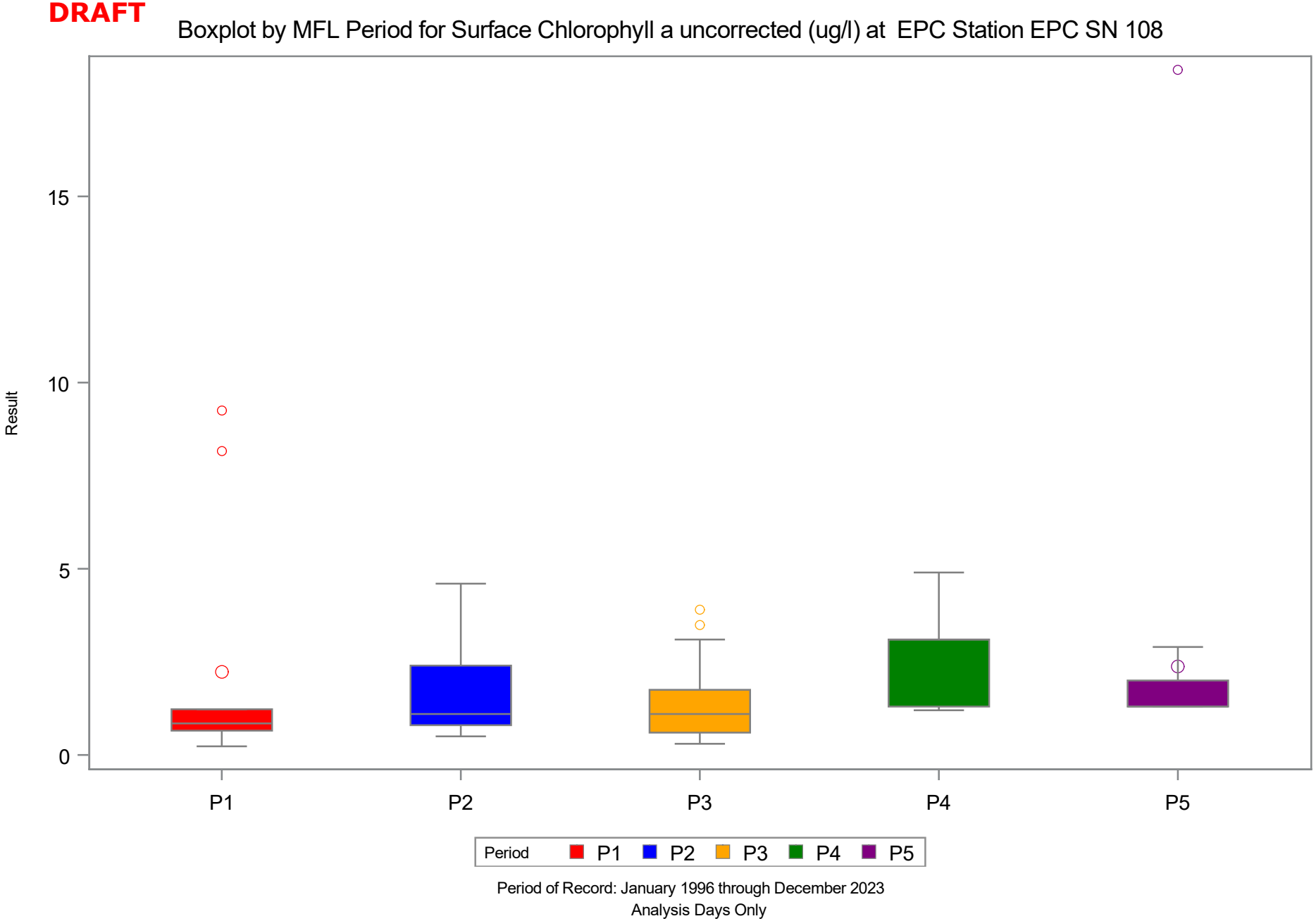
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 108

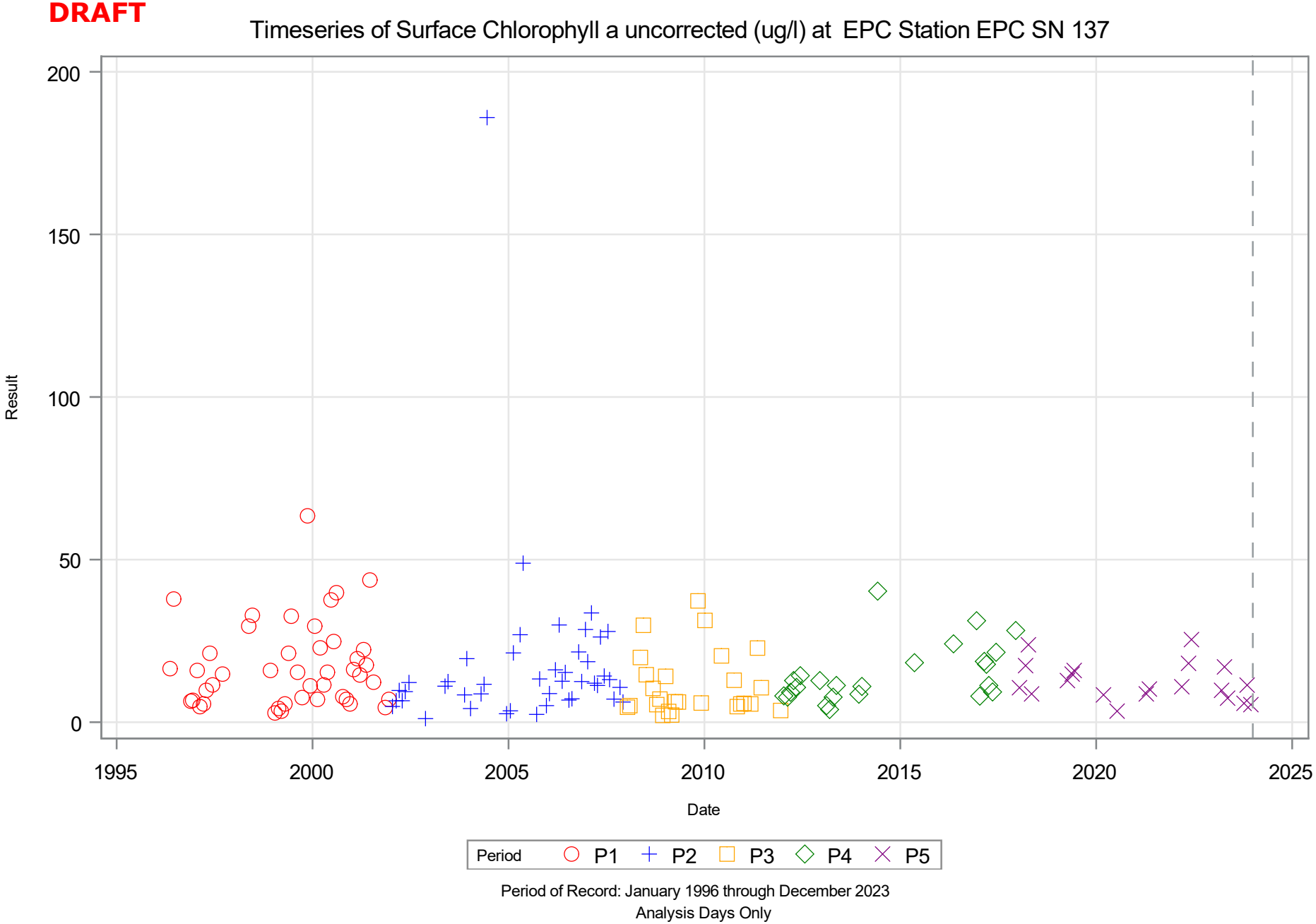
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	11	0.23	0.65	2.23	0.85	1.23	9.25
P2	19	0.50	0.80	1.54	1.10	2.40	4.60
P3	28	0.30	0.60	1.45	1.10	1.75	3.90
P4	26	1.20	1.30	2.48	3.10	3.10	4.90
P5	21	1.30	1.30	2.38	1.30	2.00	18.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

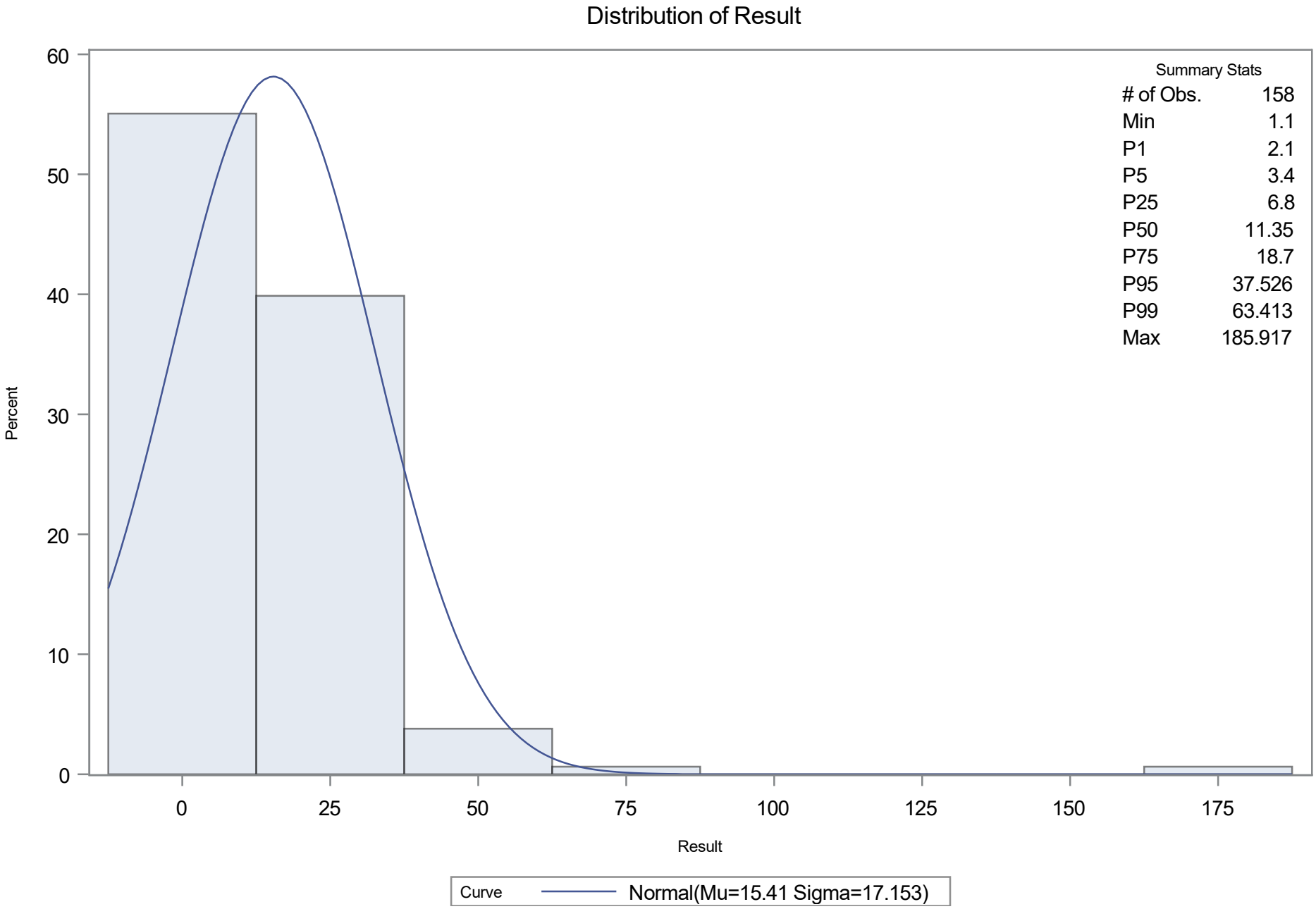

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 108
Result
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 137
Result
200
150
100
50
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.41001
Std Dev	Sigma	17.15288

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2125563	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.3614608	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.5031429	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.10000	-24.49357
5.0	3.40000	-12.80398
10.0	4.60000	-6.57230
25.0	6.80000	3.84056
50.0	11.35000	15.41001
75.0	18.70000	26.97945
90.0	29.80000	37.39231
95.0	37.52600	43.62399
99.0	63.41300	55.31358

Period of Record: January 1996 through December 2023
Analysis Days Only

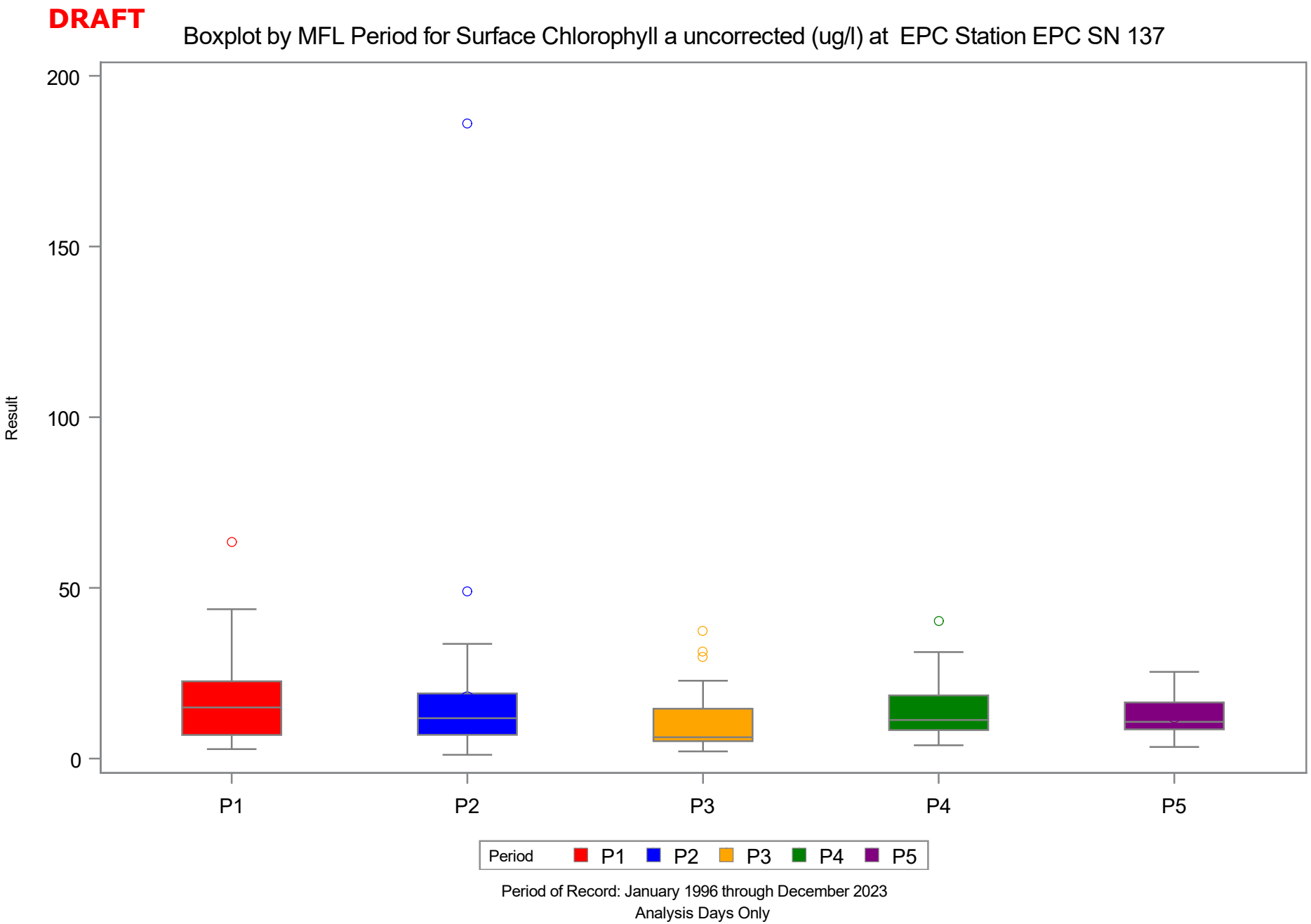
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 137

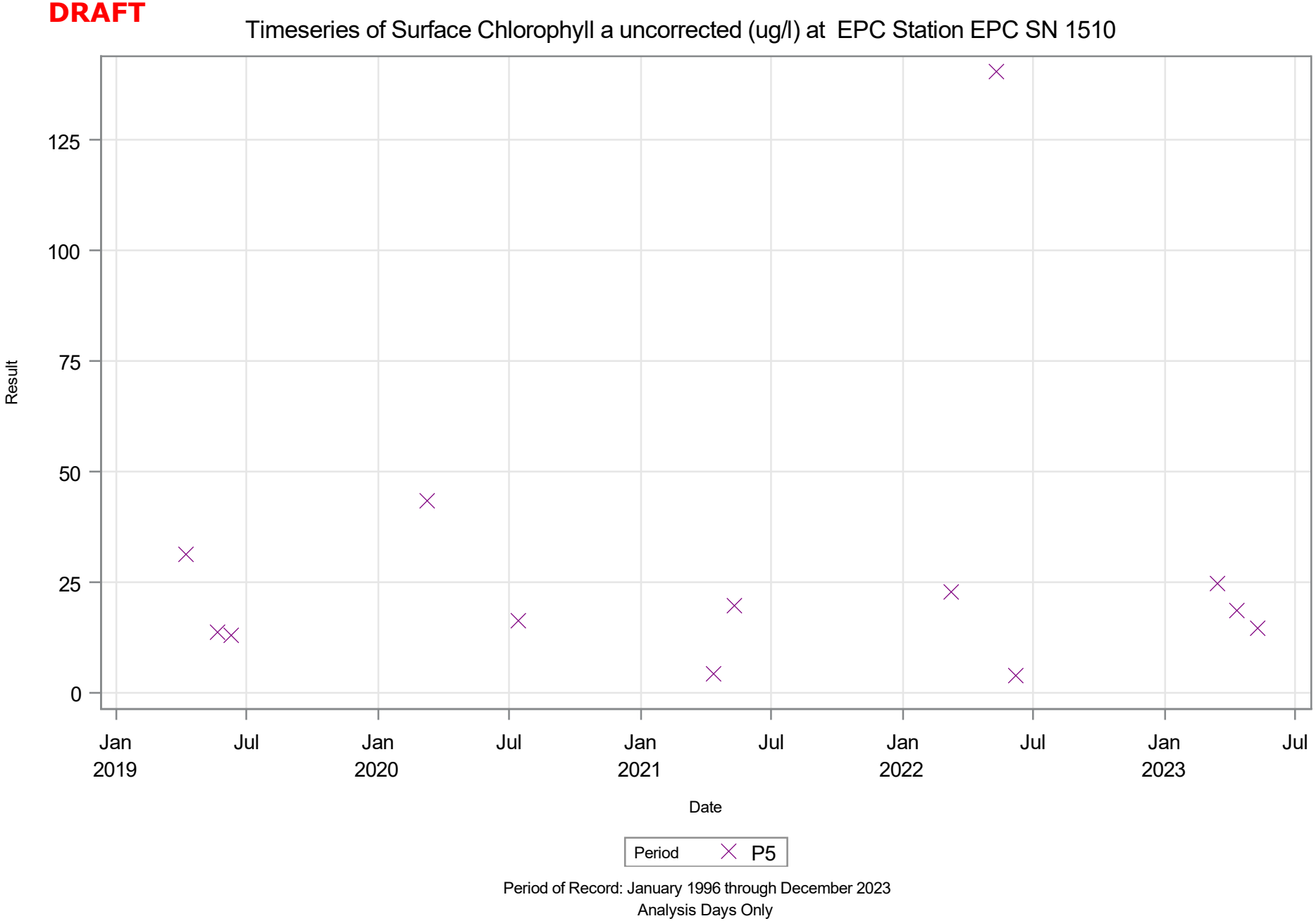
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	2.77	6.91	17.33	14.97	22.64	63.41
P2	44	1.10	6.95	17.65	11.83	19.07	185.92
P3	26	2.10	5.10	11.45	6.25	14.60	37.30
P4	24	3.90	8.35	14.66	11.30	18.50	40.30
P5	20	3.40	8.55	12.30	10.75	16.45	25.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

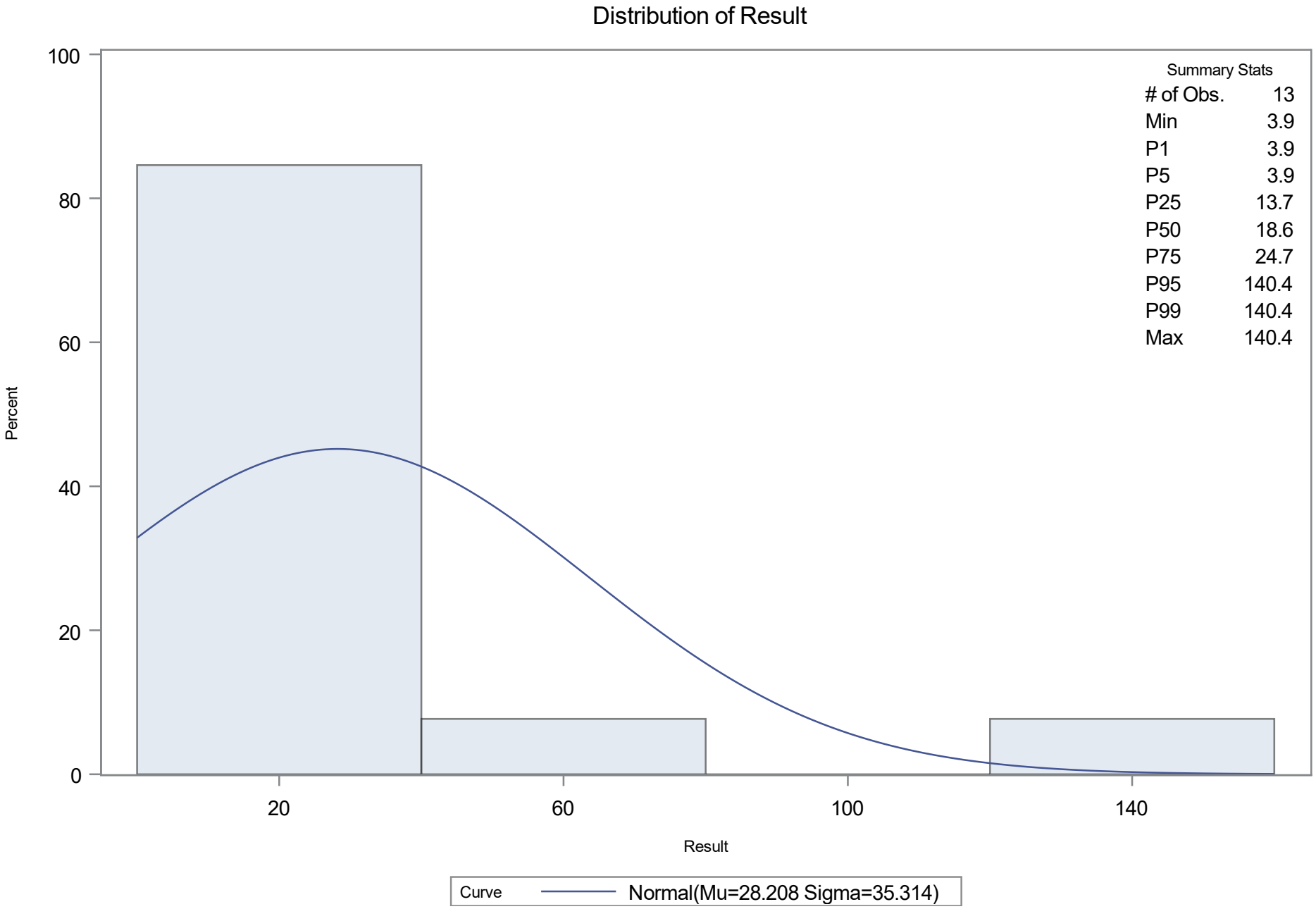

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 137
Result
200
150
100
50
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 1510
Result
125
100
75
50
25
0
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	28.20769
Std Dev	Sigma	35.31391

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31126455	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37899353	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.09947648	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.90000	-53.94475
5.0	3.90000	-29.87853
10.0	4.30000	-17.04891
25.0	13.70000	4.38882
50.0	18.60000	28.20769
75.0	24.70000	52.02656
90.0	43.40000	73.46429
95.0	140.40000	86.29391
99.0	140.40000	110.36014

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 1510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	3.90	13.70	28.21	18.60	24.70	140.40

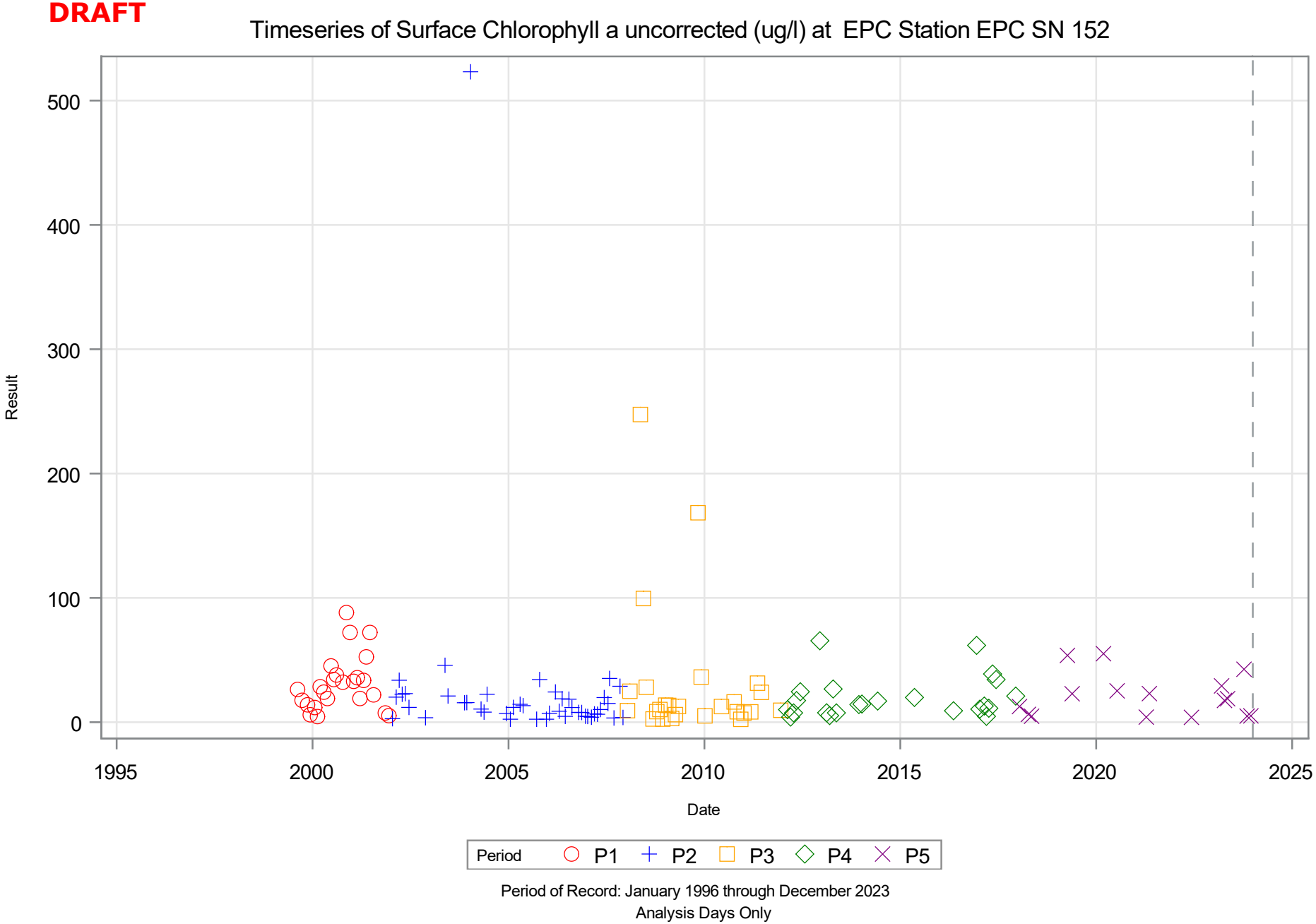
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 1510

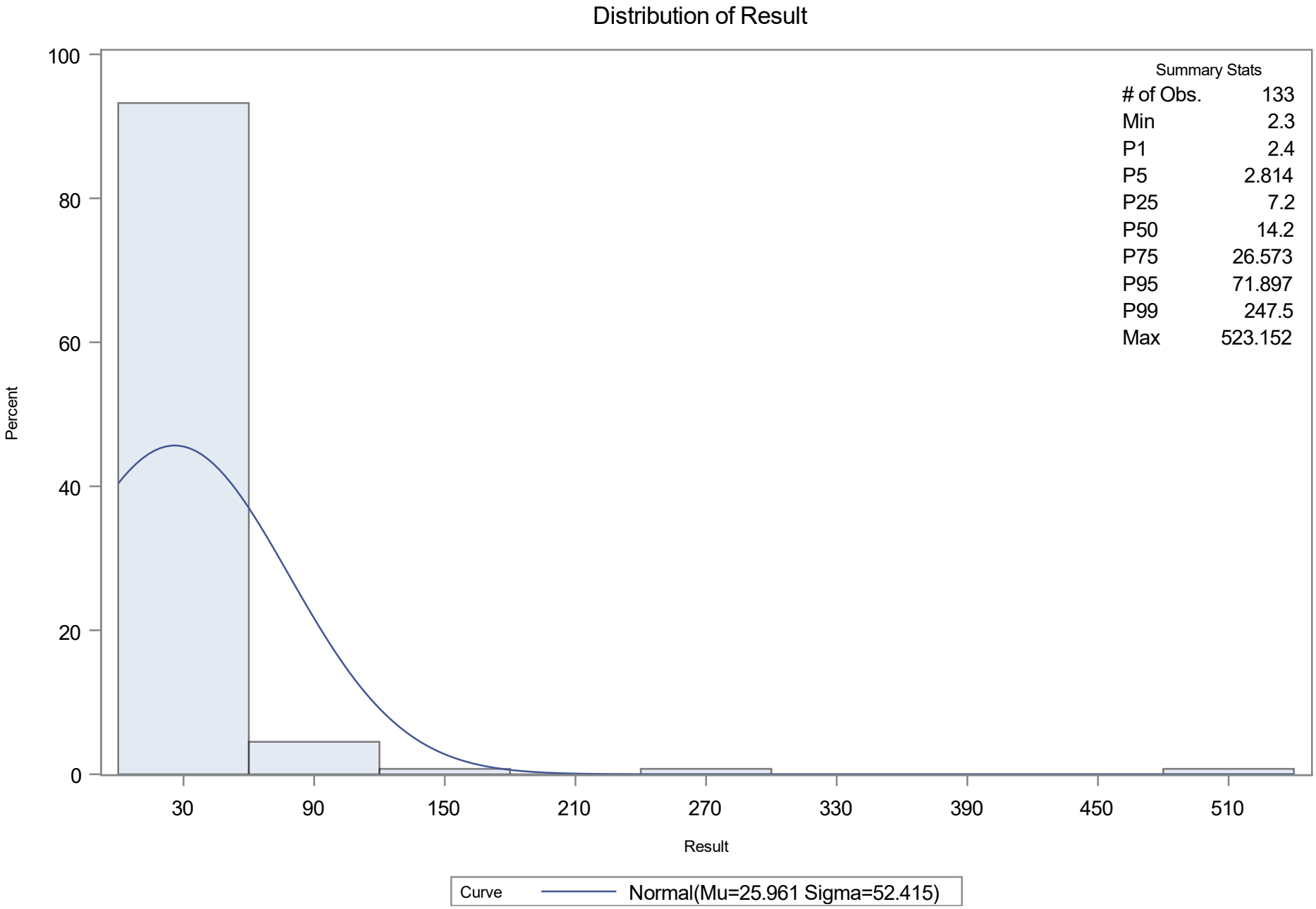
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 152
Result
500
400
300
200
100
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.96059
Std Dev	Sigma	52.41472

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3258466	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.5769127	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	23.6770547	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.40000	-95.97428
5.0	2.81400	-60.25395
10.0	4.10000	-41.21158
25.0	7.20000	-9.39260
50.0	14.20000	25.96059
75.0	26.57300	61.31378
90.0	45.16100	93.13275
95.0	71.89700	112.17513
99.0	247.50000	147.89545

Period of Record: January 1996 through December 2023
Analysis Days Only

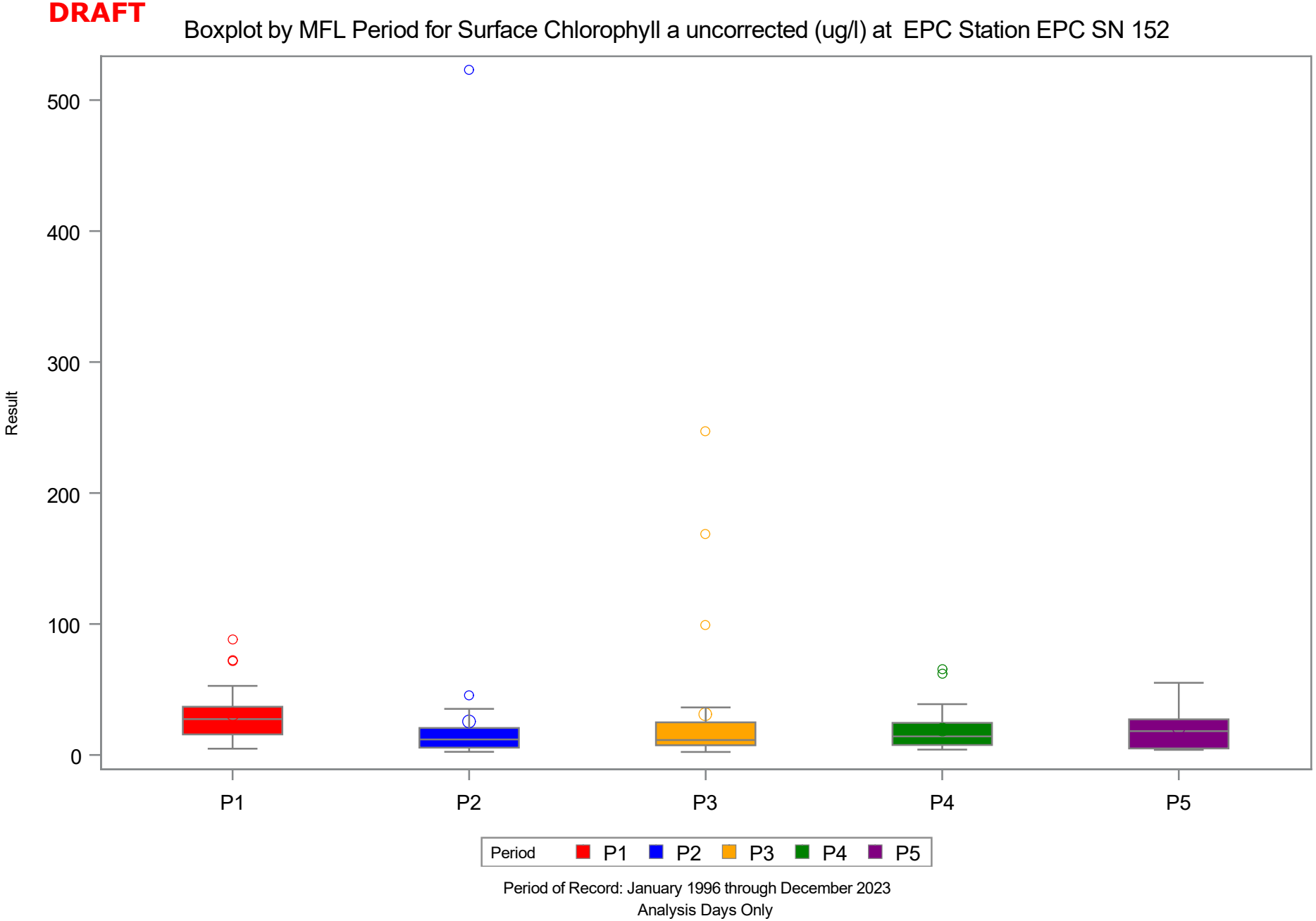
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 152

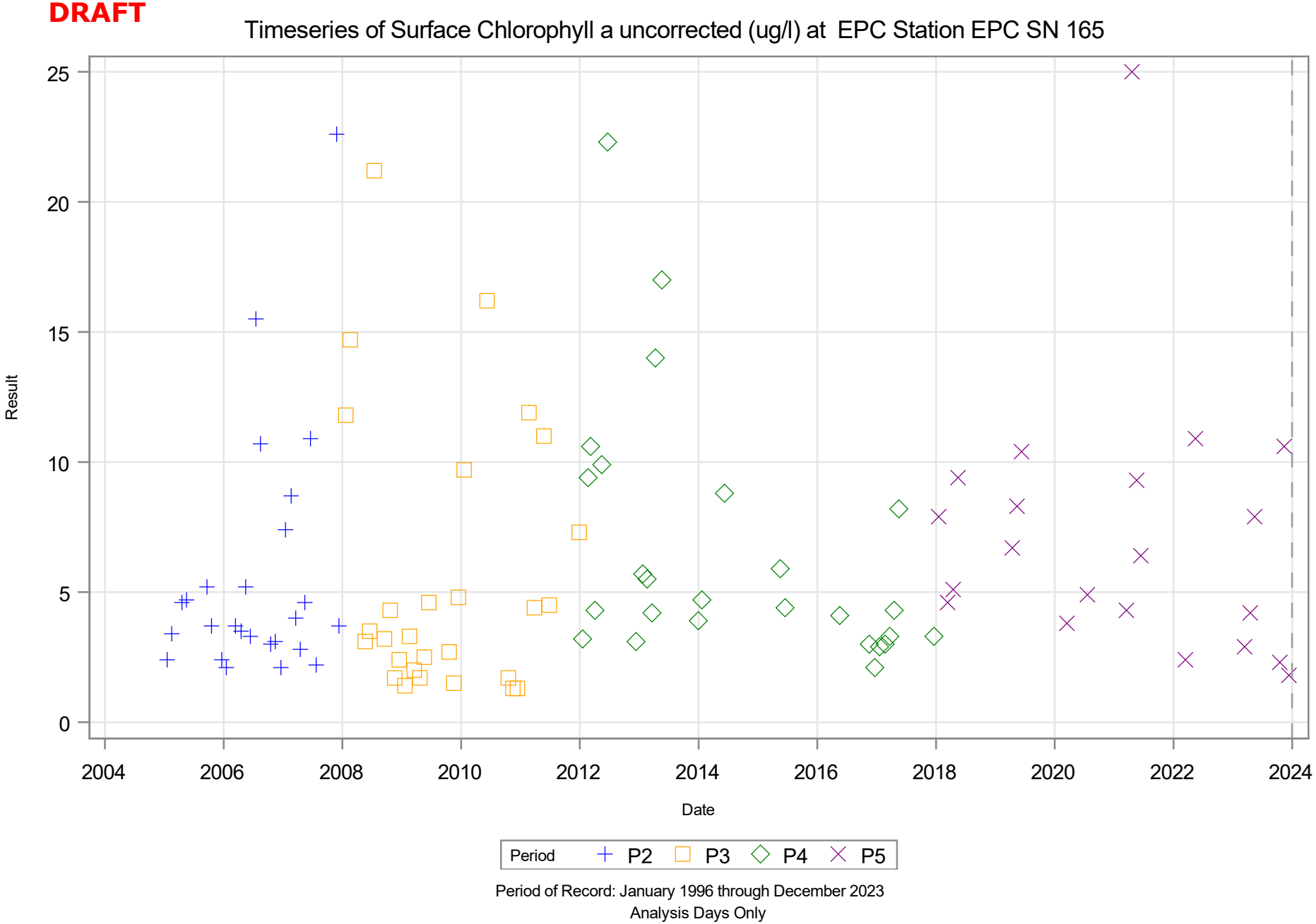
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	4.79	15.70	30.97	27.38	36.82	88.21
P2	44	2.40	5.60	25.48	11.85	20.62	523.15
P3	26	2.30	7.40	31.24	11.40	24.90	247.50
P4	23	4.10	7.60	19.41	14.20	24.50	65.50
P5	16	3.90	5.00	20.61	18.20	27.20	55.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

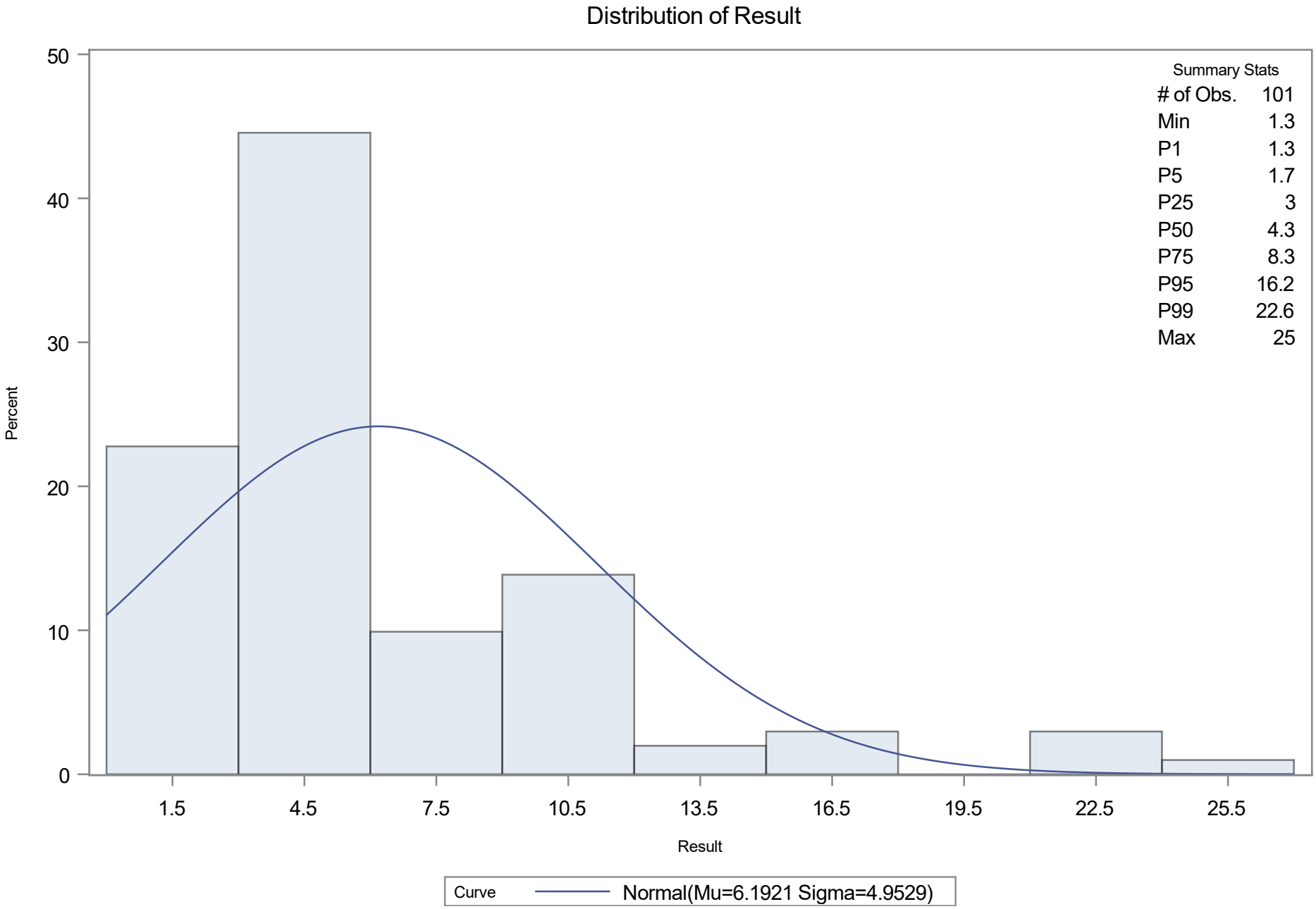

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 152
Result
500
400
300
200
100
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 165
Result
25
20
15
10
5
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.192079
Std Dev	Sigma	4.952932

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22294192	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.18359001	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.61488666	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.30000	-5.33016
5.0	1.70000	-1.95477
10.0	2.10000	-0.15536
25.0	3.00000	2.85138
50.0	4.30000	6.19208
75.0	8.30000	9.53278
90.0	11.80000	12.53952
95.0	16.20000	14.33893
99.0	22.60000	17.71432

Period of Record: January 1996 through December 2023
Analysis Days Only

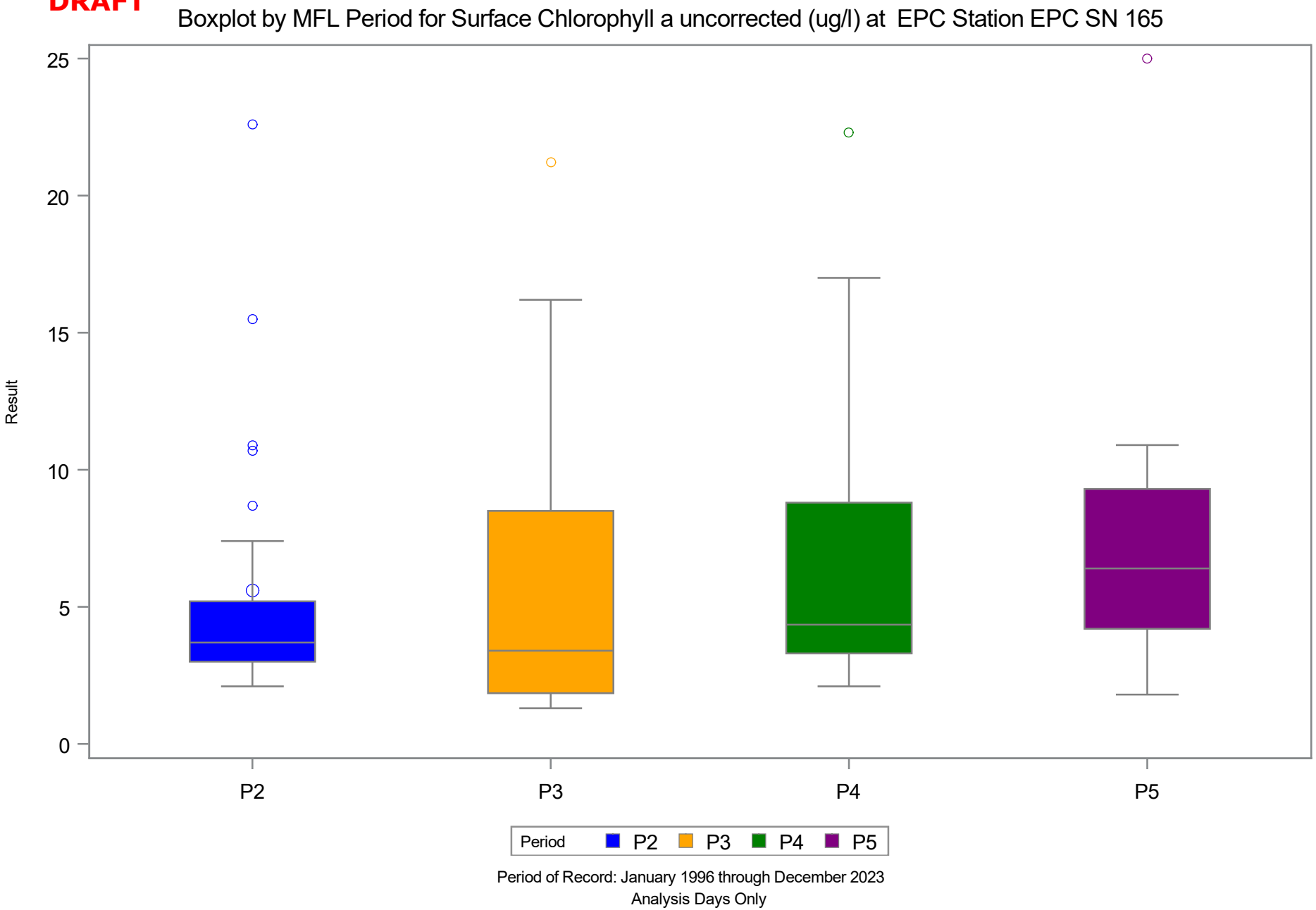
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 165

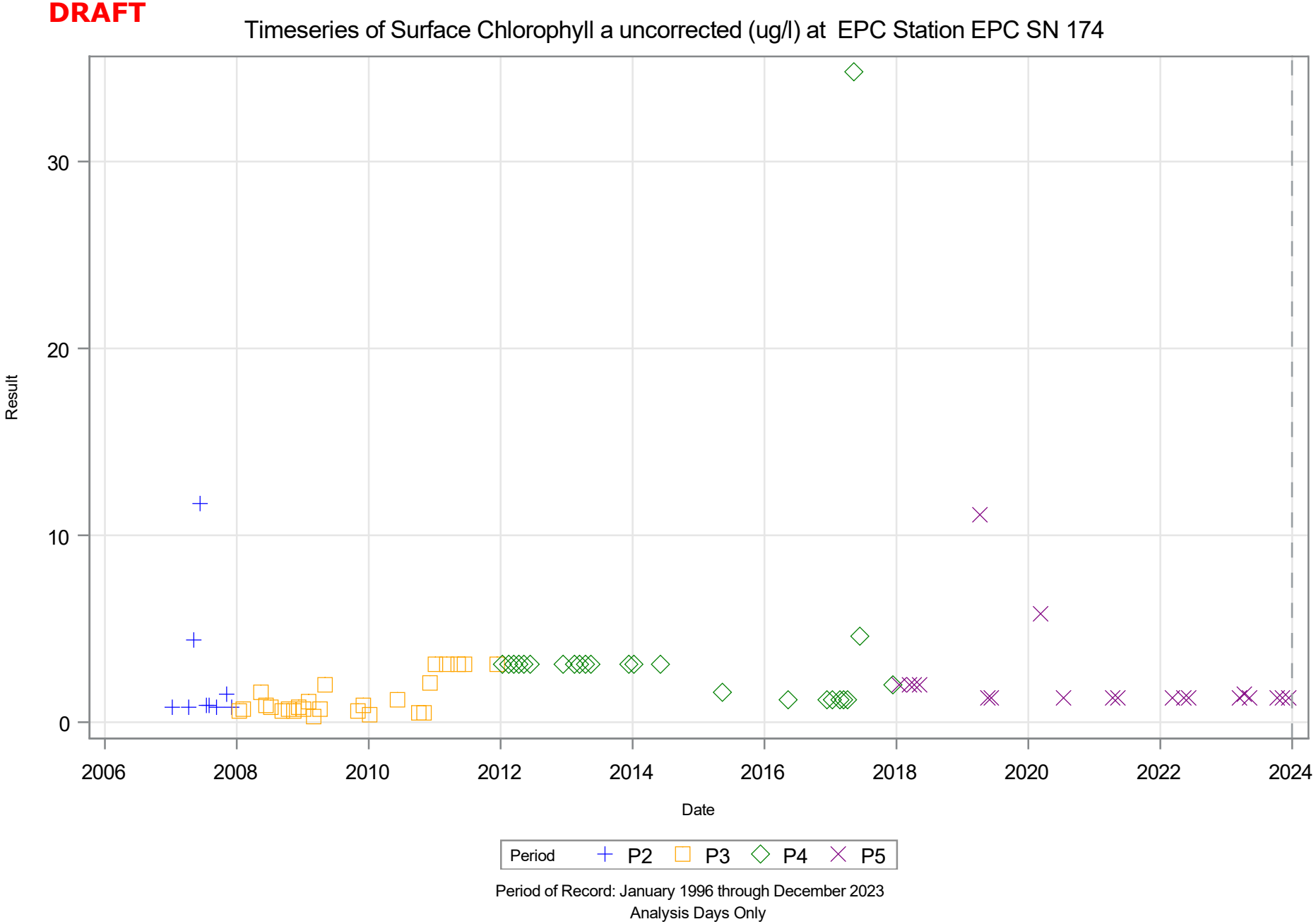
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	2.10	3.00	5.60	3.70	5.20	22.60
P3	28	1.30	1.85	5.70	3.40	8.50	21.20
P4	26	2.10	3.30	6.58	4.35	8.80	22.30
P5	21	1.80	4.20	7.10	6.40	9.30	25.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

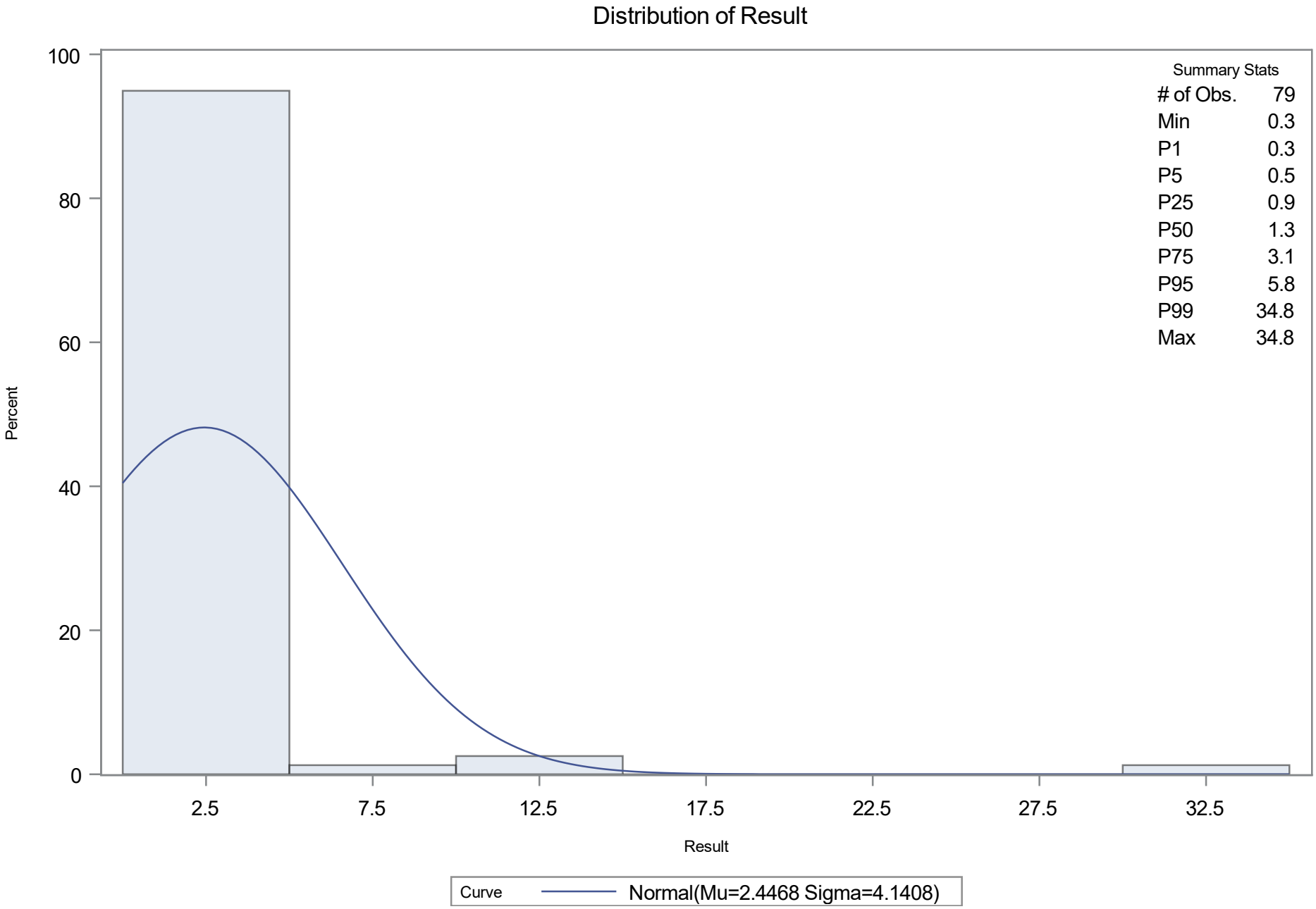

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 165
Result
25
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 174
Result
0
10
20
30
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.446835
Std Dev	Sigma	4.140848

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3613827	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.7501124	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.2799091	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-7.18622
5.0	0.50000	-4.36425
10.0	0.60000	-2.85988
25.0	0.90000	-0.34612
50.0	1.30000	2.44684
75.0	3.10000	5.23980
90.0	3.10000	7.75355
95.0	5.80000	9.25792
99.0	34.80000	12.07989

Period of Record: January 1996 through December 2023
Analysis Days Only

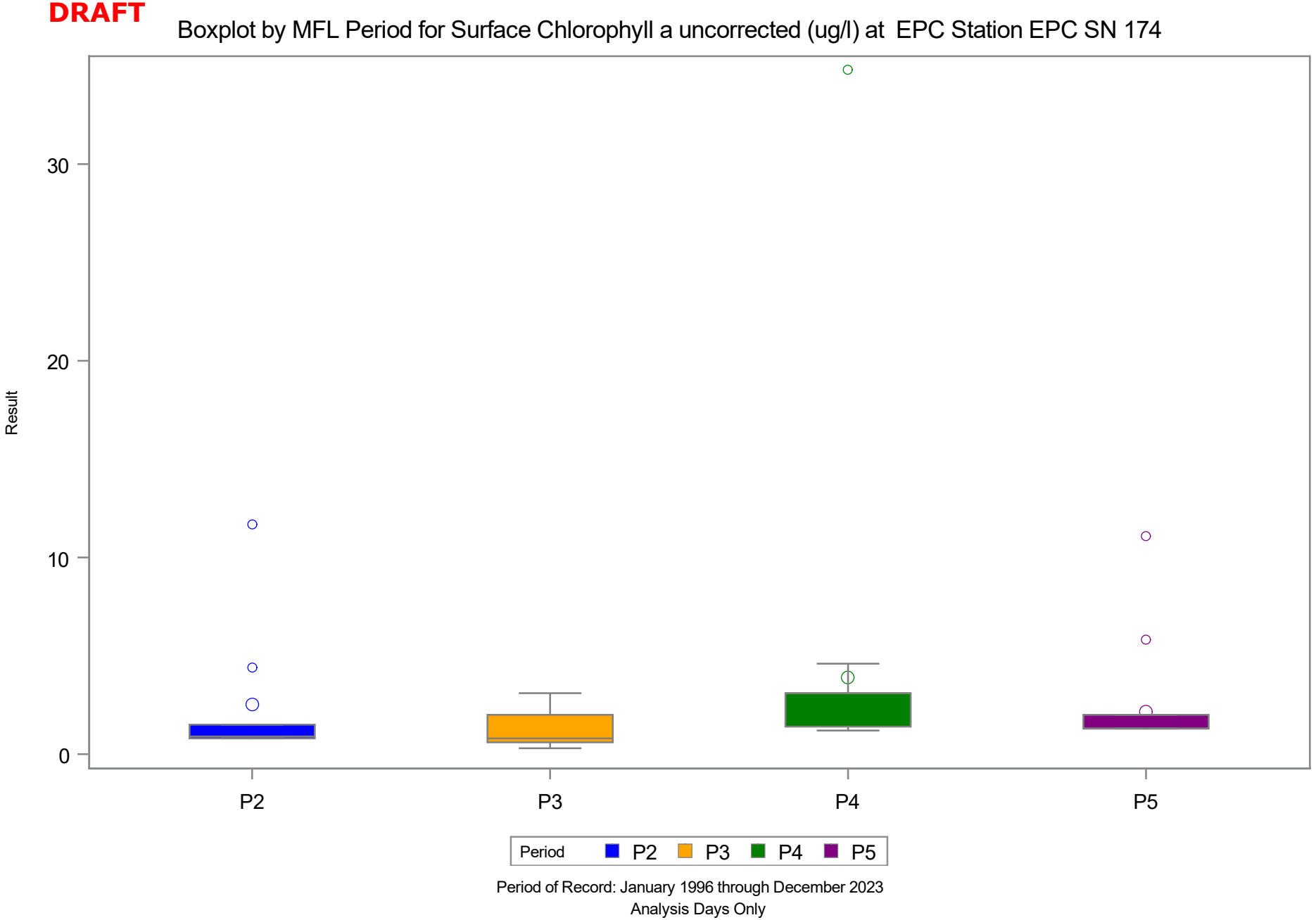
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 174

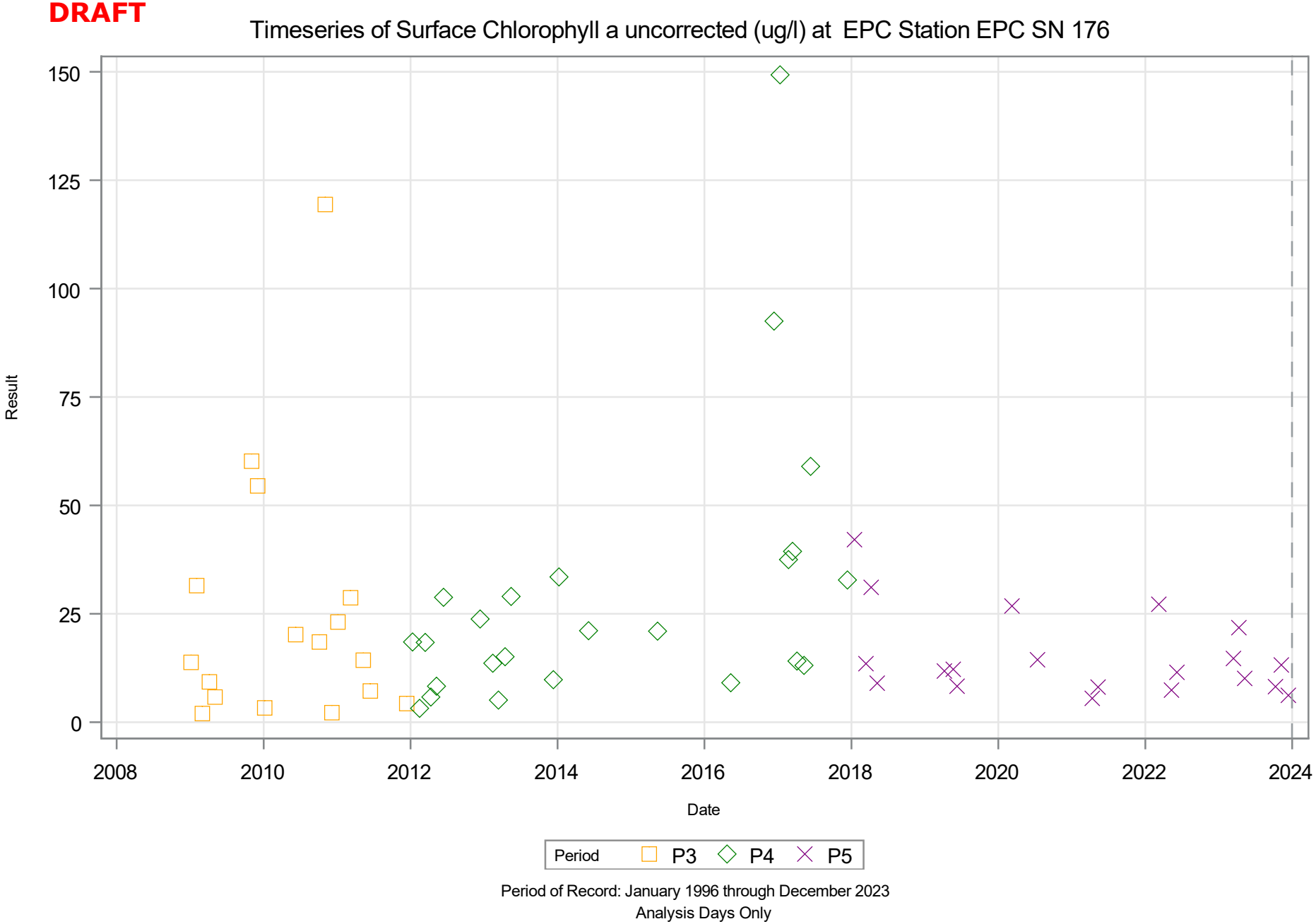
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	9	0.80	0.80	2.51	0.90	1.50	11.70
P3	26	0.30	0.60	1.30	0.80	2.00	3.10
P4	24	1.20	1.40	3.90	3.10	3.10	34.80
P5	20	1.30	1.30	2.16	1.30	2.00	11.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

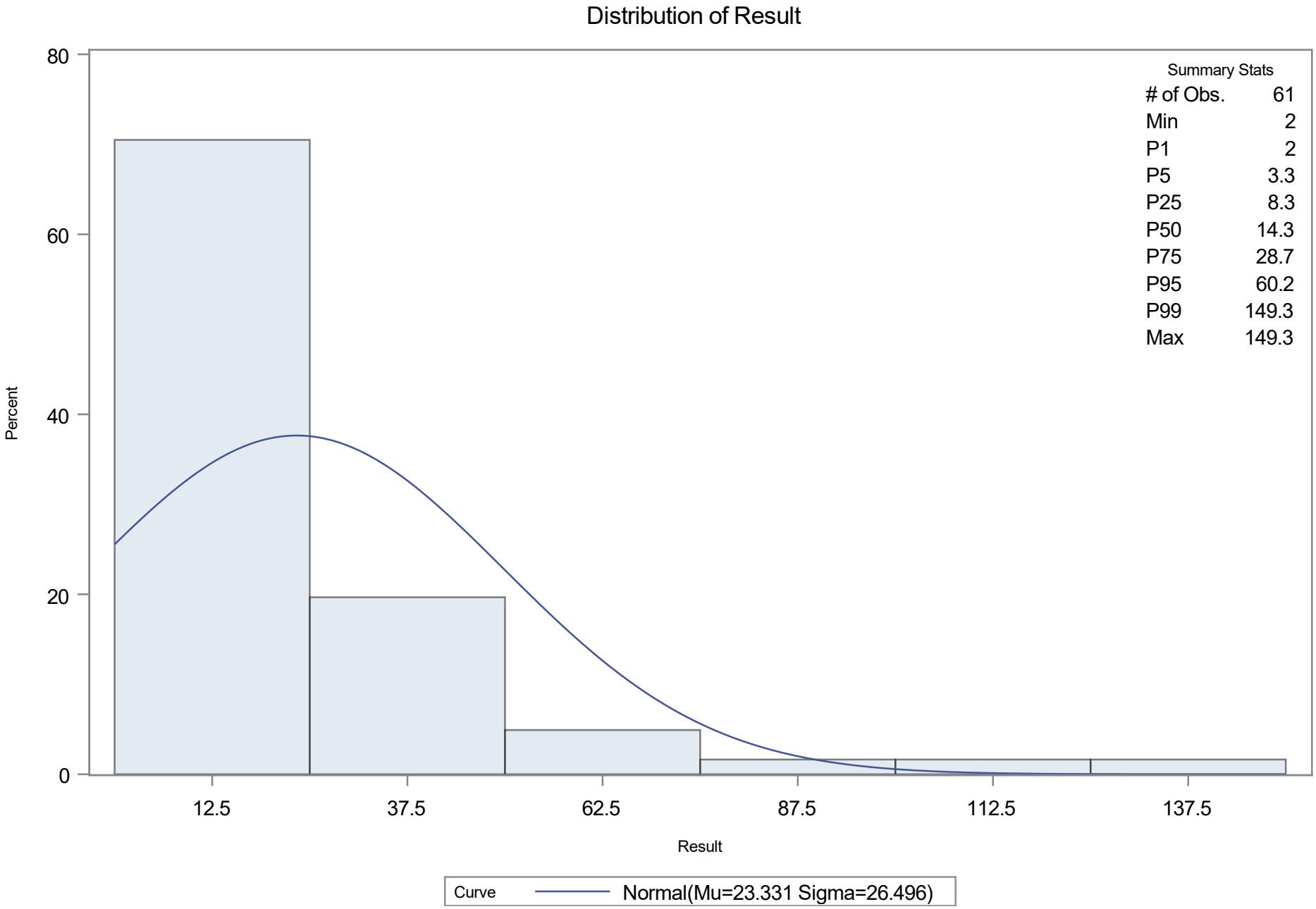

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 174
Result
30
20
10
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 176
Result
150
125
100
75
50
25
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.33115
Std Dev	Sigma	26.49575

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21038733	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.05762148	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.98091595	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-38.30719
5.0	3.30000	-20.25049
10.0	5.50000	-10.62452
25.0	8.30000	5.46003
50.0	14.30000	23.33115
75.0	28.70000	41.20226
90.0	42.10000	57.28682
95.0	60.20000	66.91278
99.0	149.30000	84.96948

Period of Record: January 1996 through December 2023
Analysis Days Only

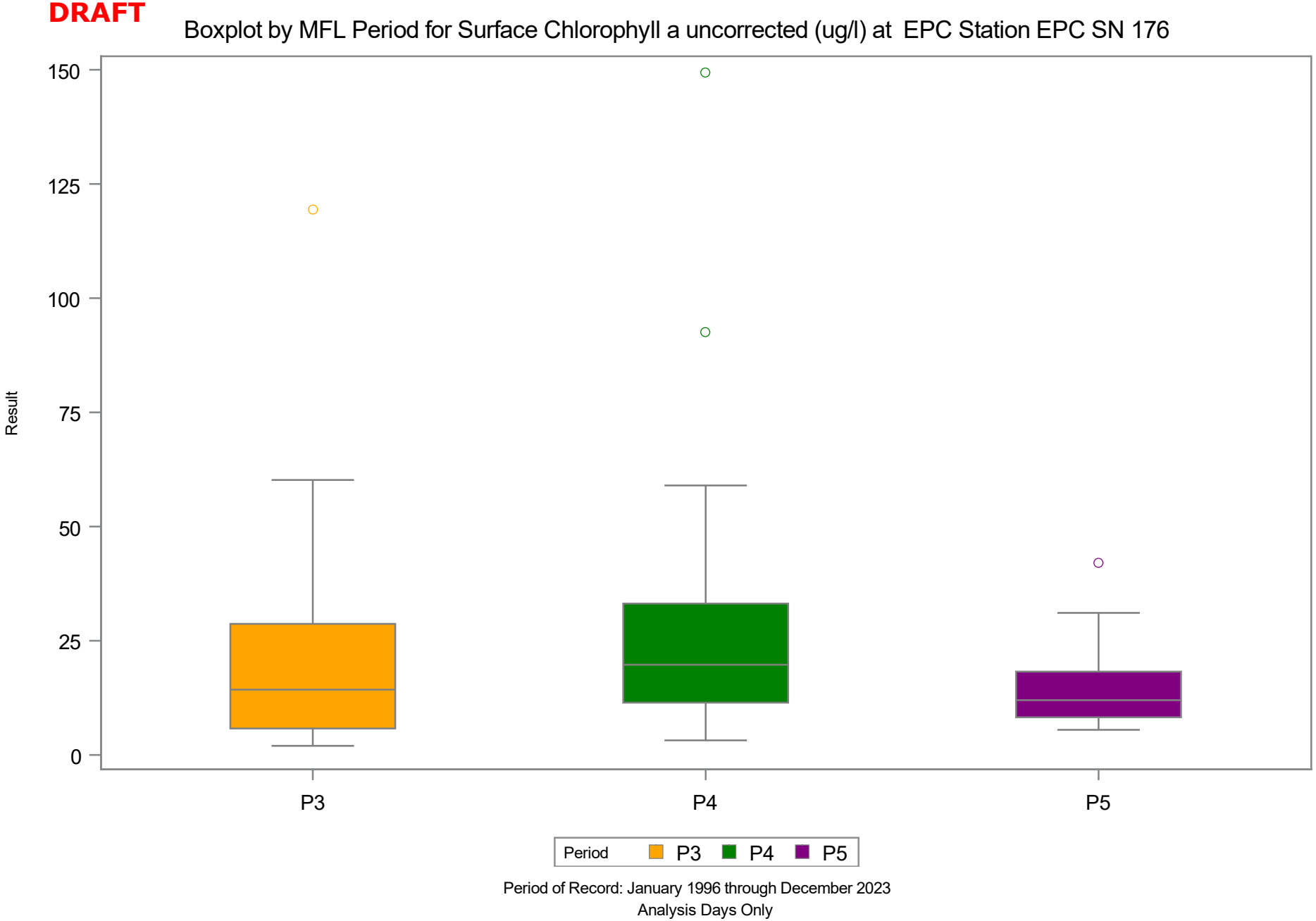
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 176

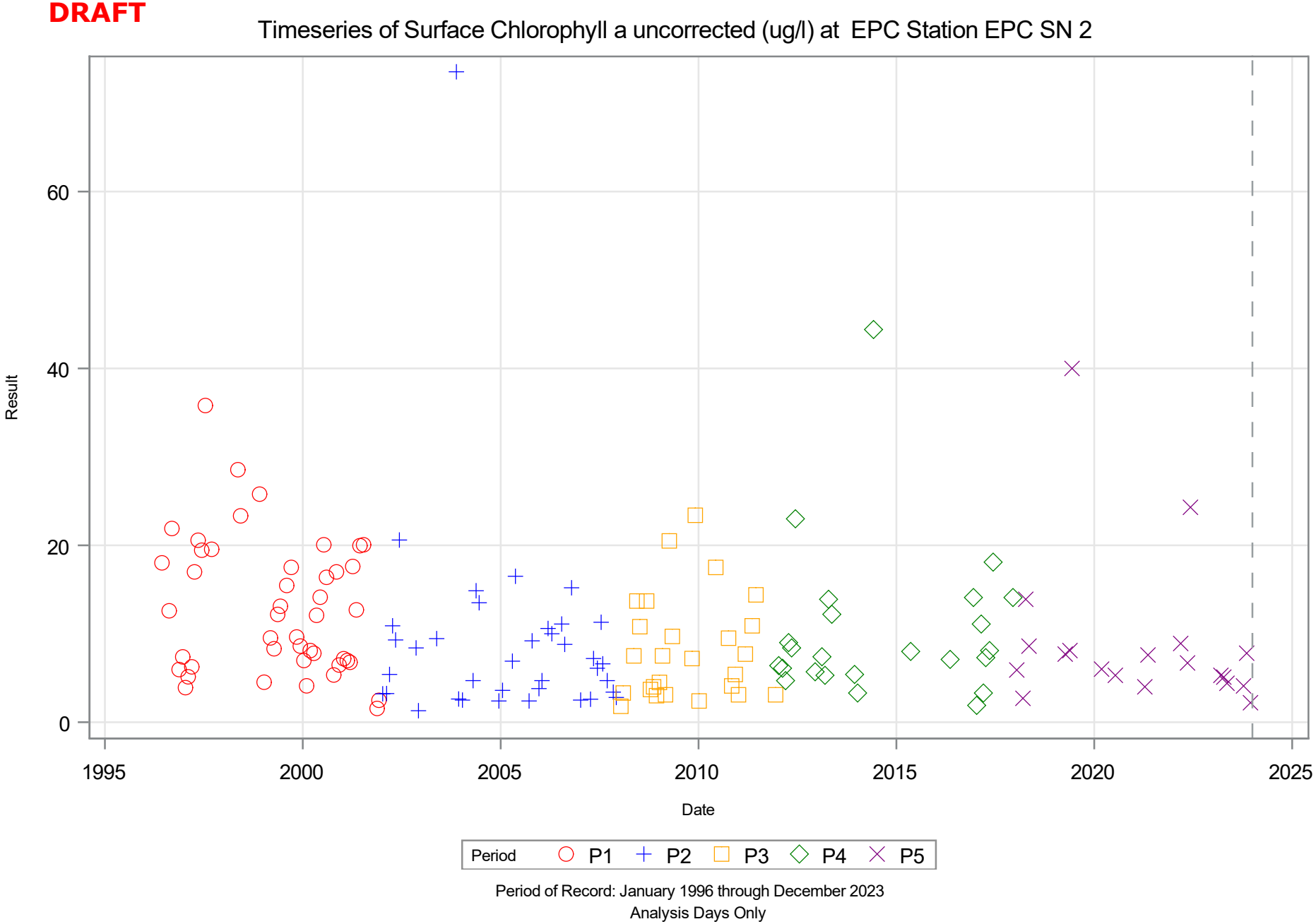
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	2.00	5.80	24.61	14.30	28.70	119.40
P4	24	3.20	11.45	29.24	19.75	33.15	149.30
P5	20	5.50	8.25	15.16	12.00	18.25	42.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

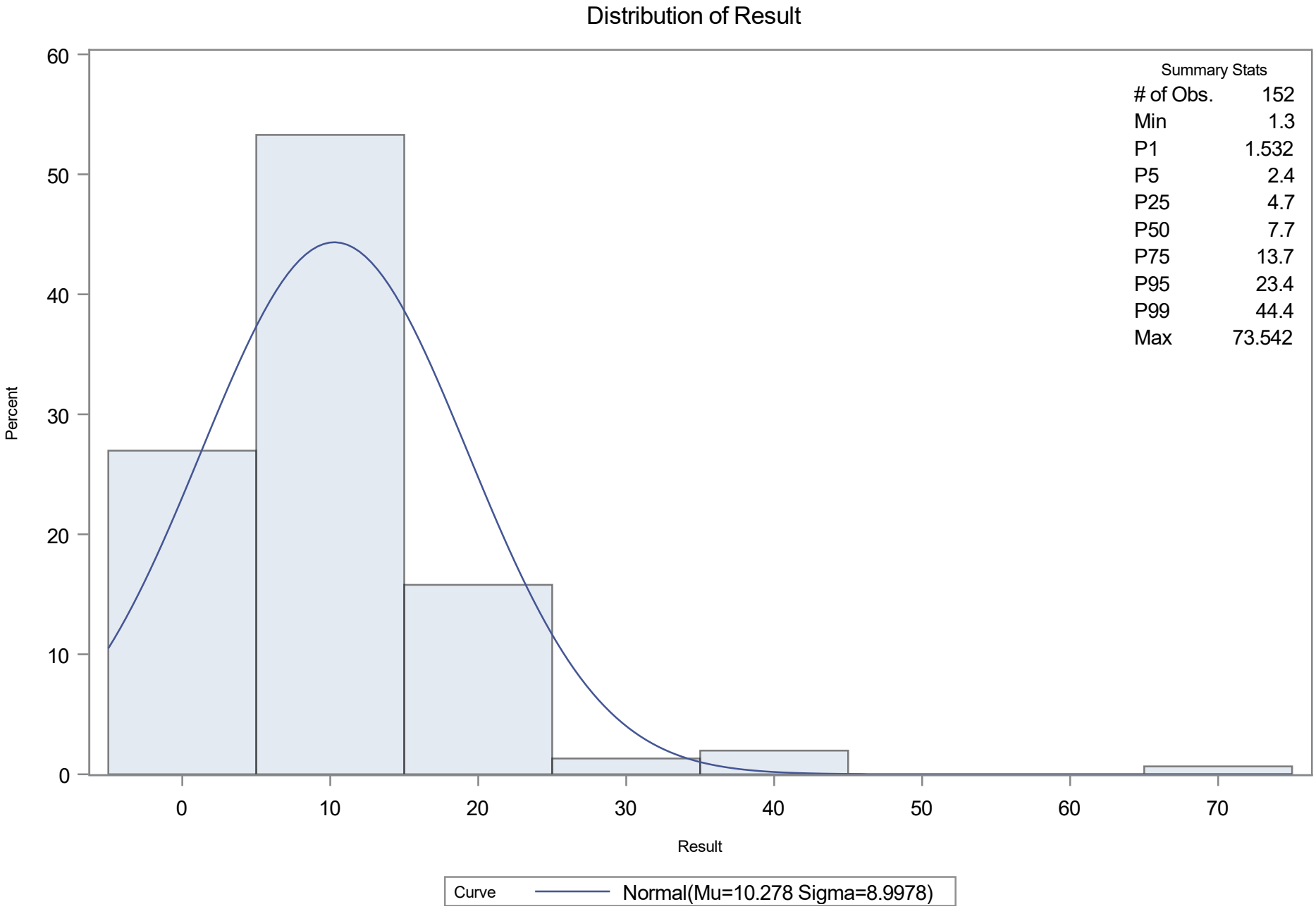

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 176
Result
150
125
100
75
50
25
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 2
Result
0
20
40
60
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10.27776
Std Dev	Sigma	8.997814

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17033564	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.41291242	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.23005599	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.53200	-10.65429
5.0	2.40000	-4.52233
10.0	3.00000	-1.25341
25.0	4.70000	4.20882
50.0	7.70000	10.27776
75.0	13.70000	16.34669
90.0	20.01800	21.80892
95.0	23.40000	25.07784
99.0	44.40000	31.20980

Period of Record: January 1996 through December 2023
Analysis Days Only

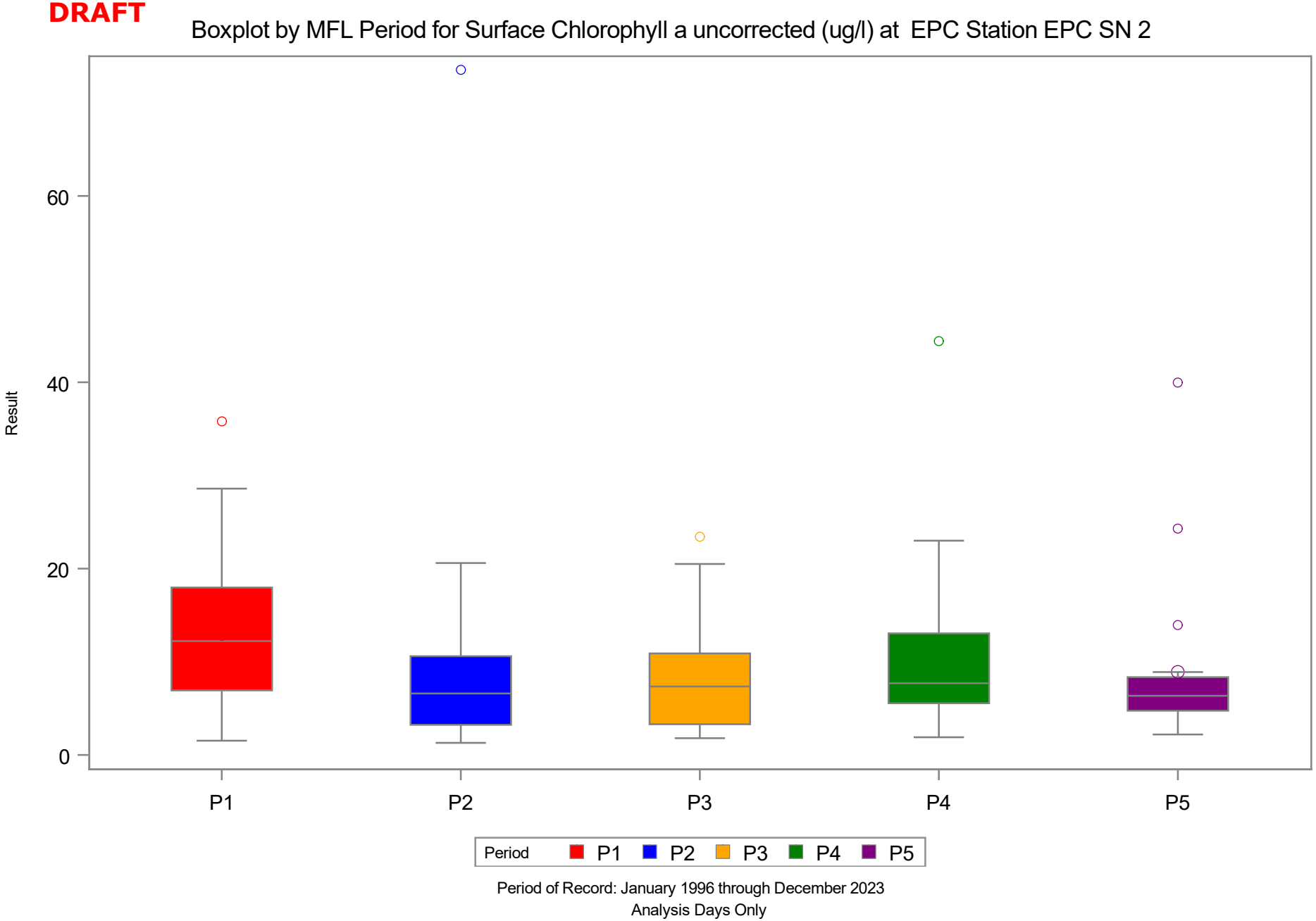
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 2

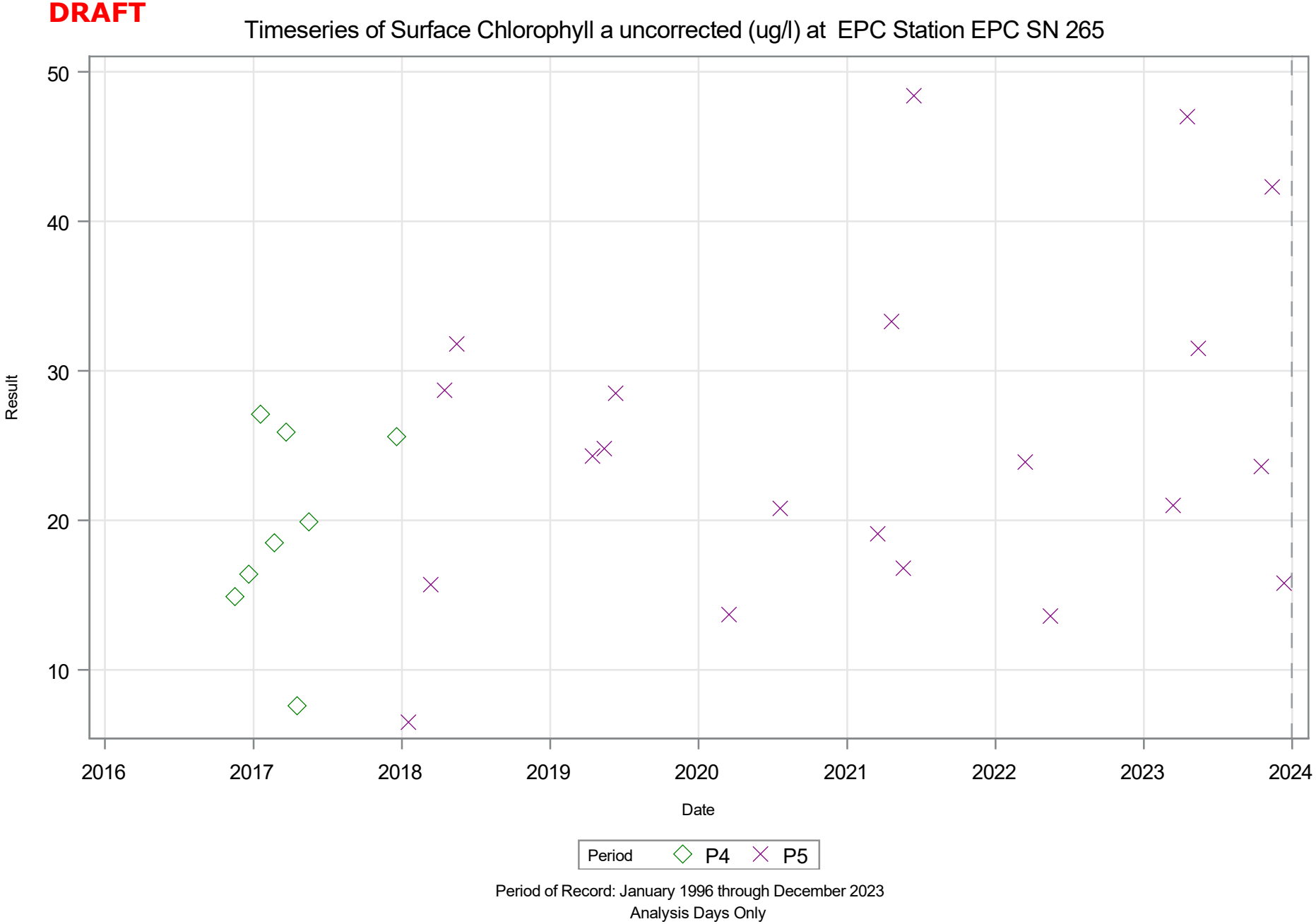
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	1.53	6.93	12.98	12.23	17.97	35.83
P2	37	1.30	3.24	9.08	6.60	10.60	73.54
P3	26	1.80	3.30	8.29	7.35	10.90	23.40
P4	24	1.90	5.55	10.35	7.70	13.05	44.40
P5	20	2.20	4.75	8.93	6.35	8.35	40.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

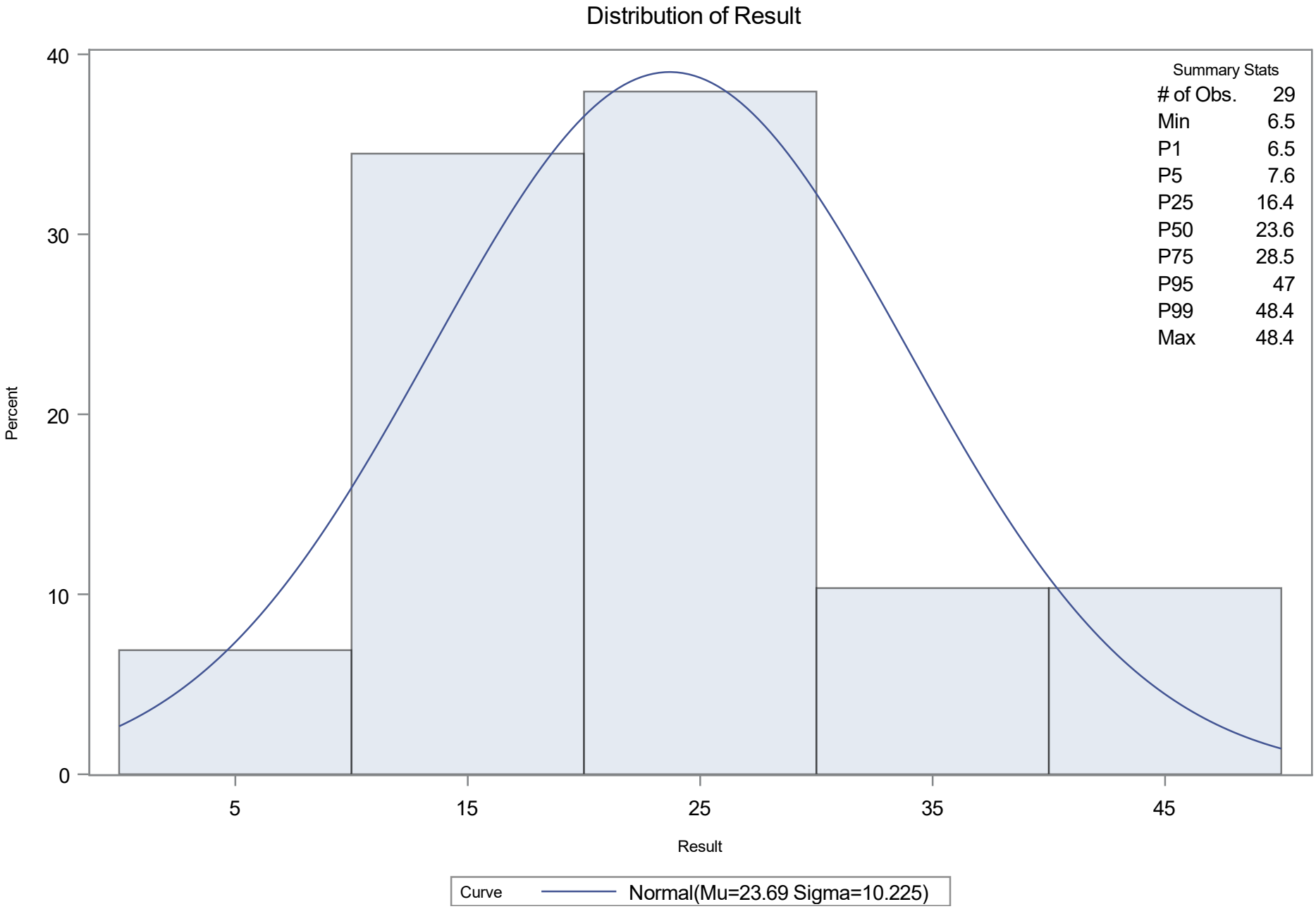

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 2
Result
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 265
Result
50
40
30
20
10
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.68966
Std Dev	Sigma	10.22491

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10516562	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07291725	**Pr > W-Sq**	0.249
Anderson-Darling	**A-Sq**	0.54235890	**Pr > A-Sq**	0.153

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.50000	-0.09705
5.0	7.60000	6.87117
10.0	13.60000	10.58590
25.0	16.40000	16.79306
50.0	23.60000	23.68966
75.0	28.50000	30.58625
90.0	42.30000	36.79341
95.0	47.00000	40.50814
99.0	48.40000	47.47636

Period of Record: January 1996 through December 2023
Analysis Days Only

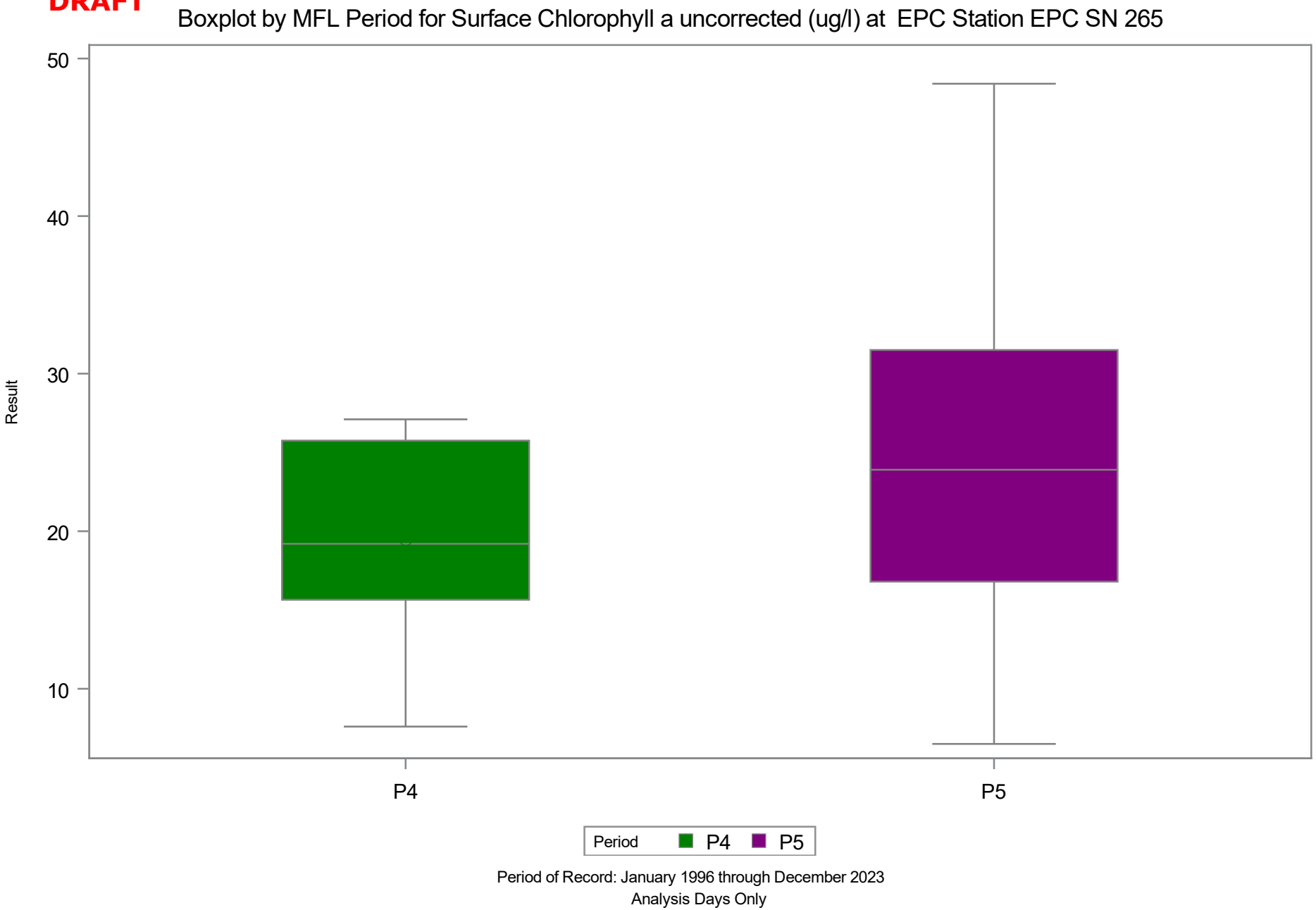
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 265

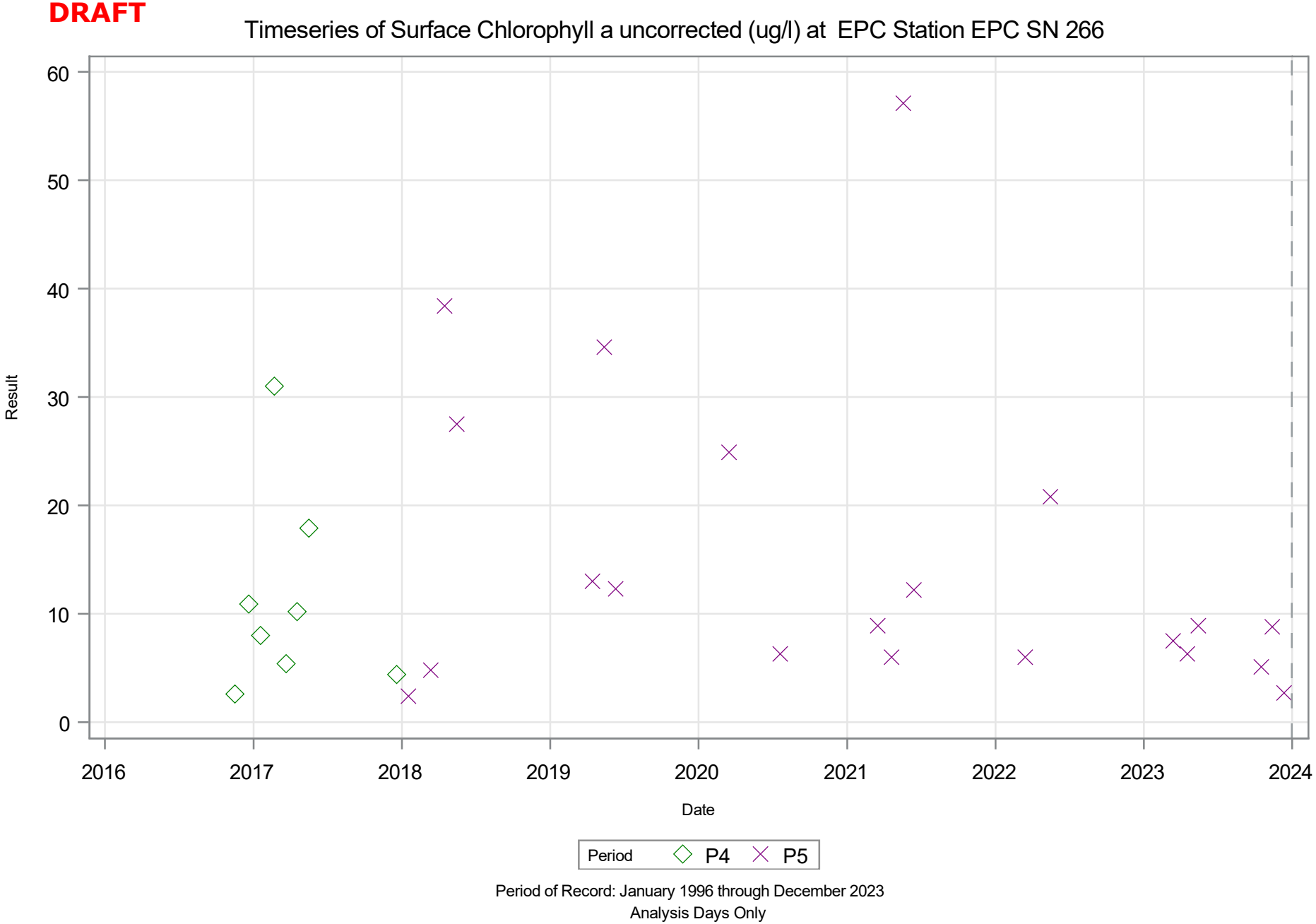
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	7.60	15.65	19.49	19.20	25.75	27.10
P5	21	6.50	16.80	25.29	23.90	31.50	48.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

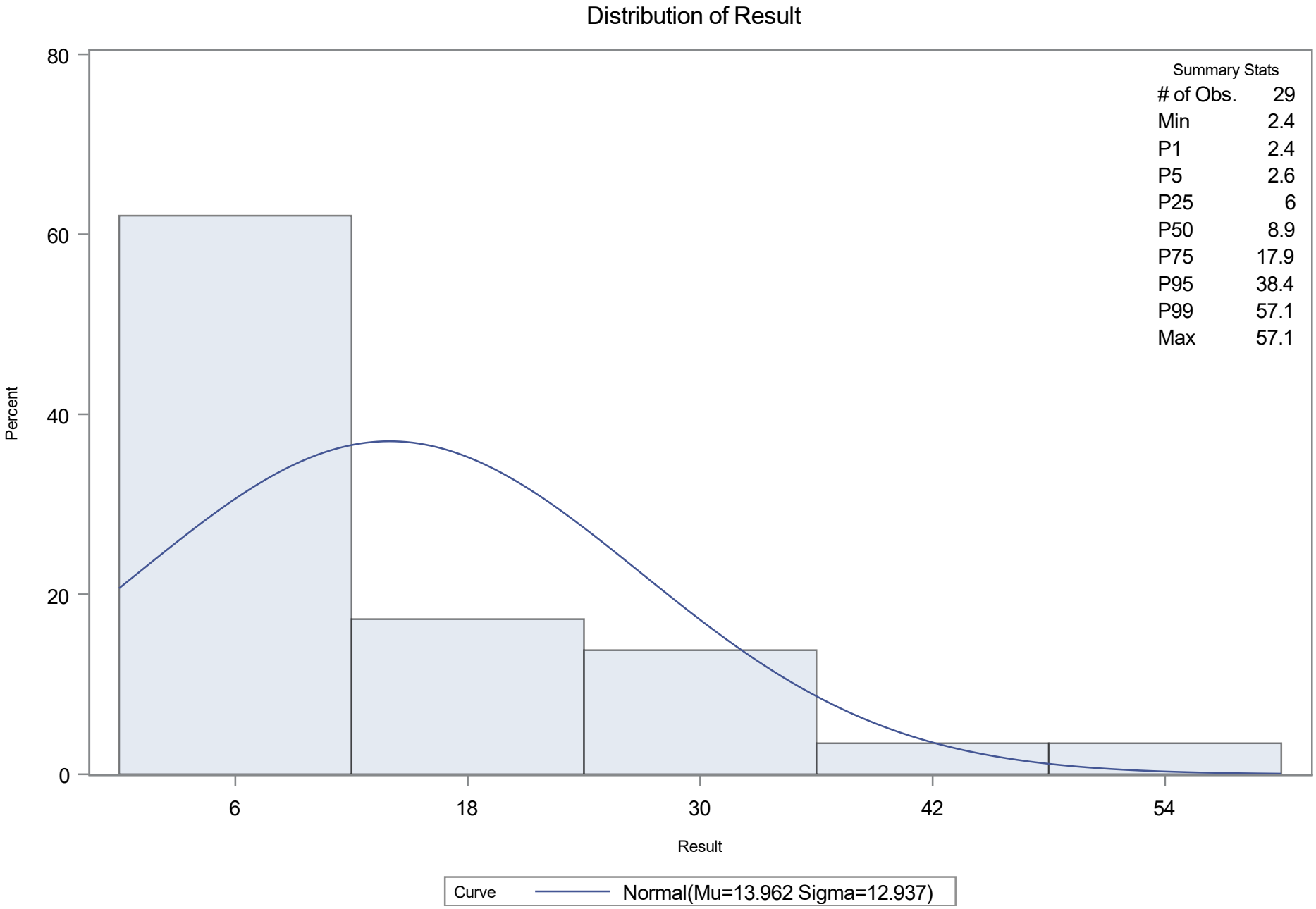

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 265
Result
50
40
30
20
10
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 266
Result
60
50
40
30
20
10
0
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.96207
Std Dev	Sigma	12.93673

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25377886	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.42552174	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.25790834	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.40000	-16.13325
5.0	2.60000	-7.31695
10.0	2.70000	-2.61701
25.0	6.00000	5.23638
50.0	8.90000	13.96207
75.0	17.90000	22.68776
90.0	34.60000	30.54115
95.0	38.40000	35.24109
99.0	57.10000	44.05739

Period of Record: January 1996 through December 2023
Analysis Days Only

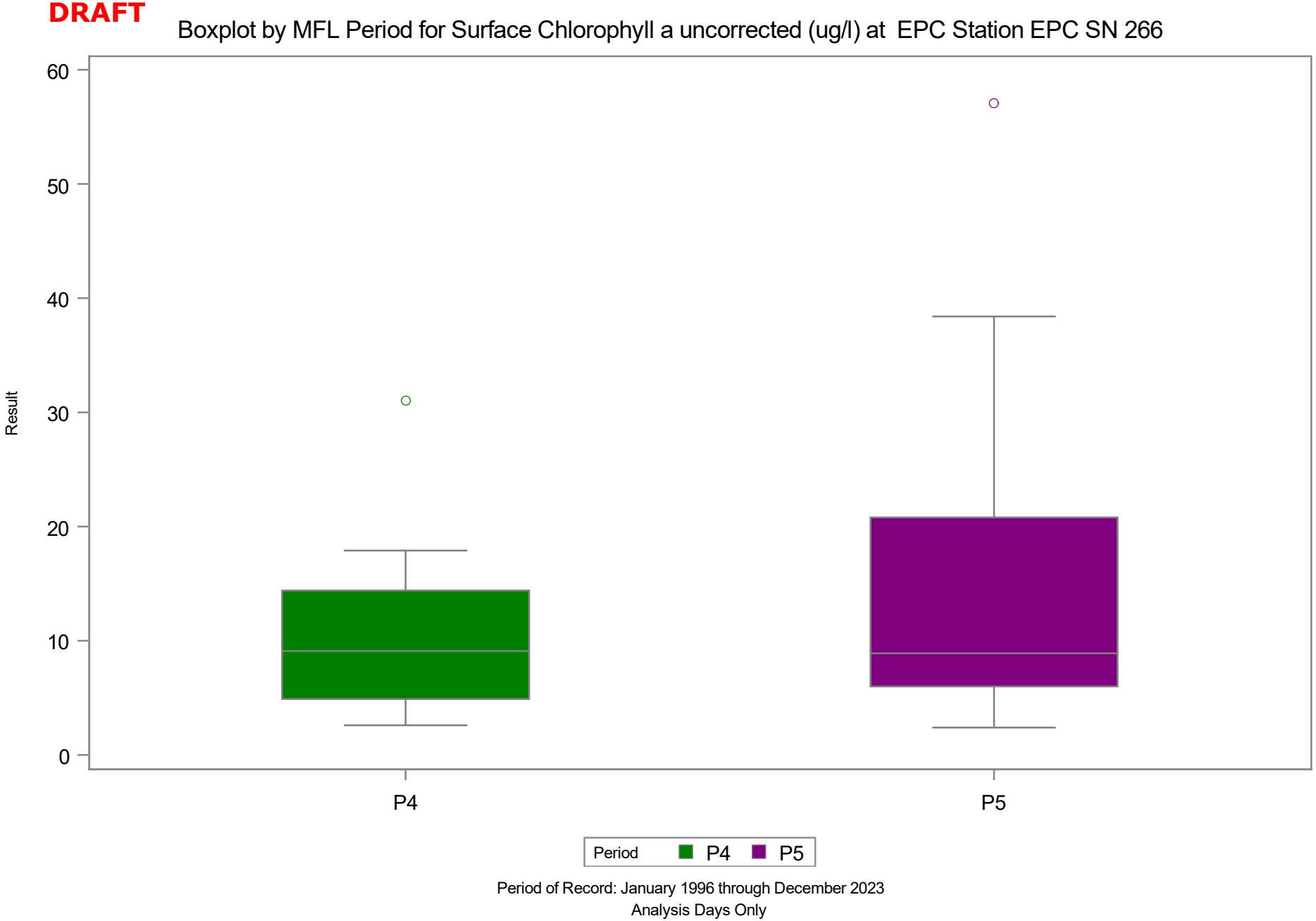
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 266

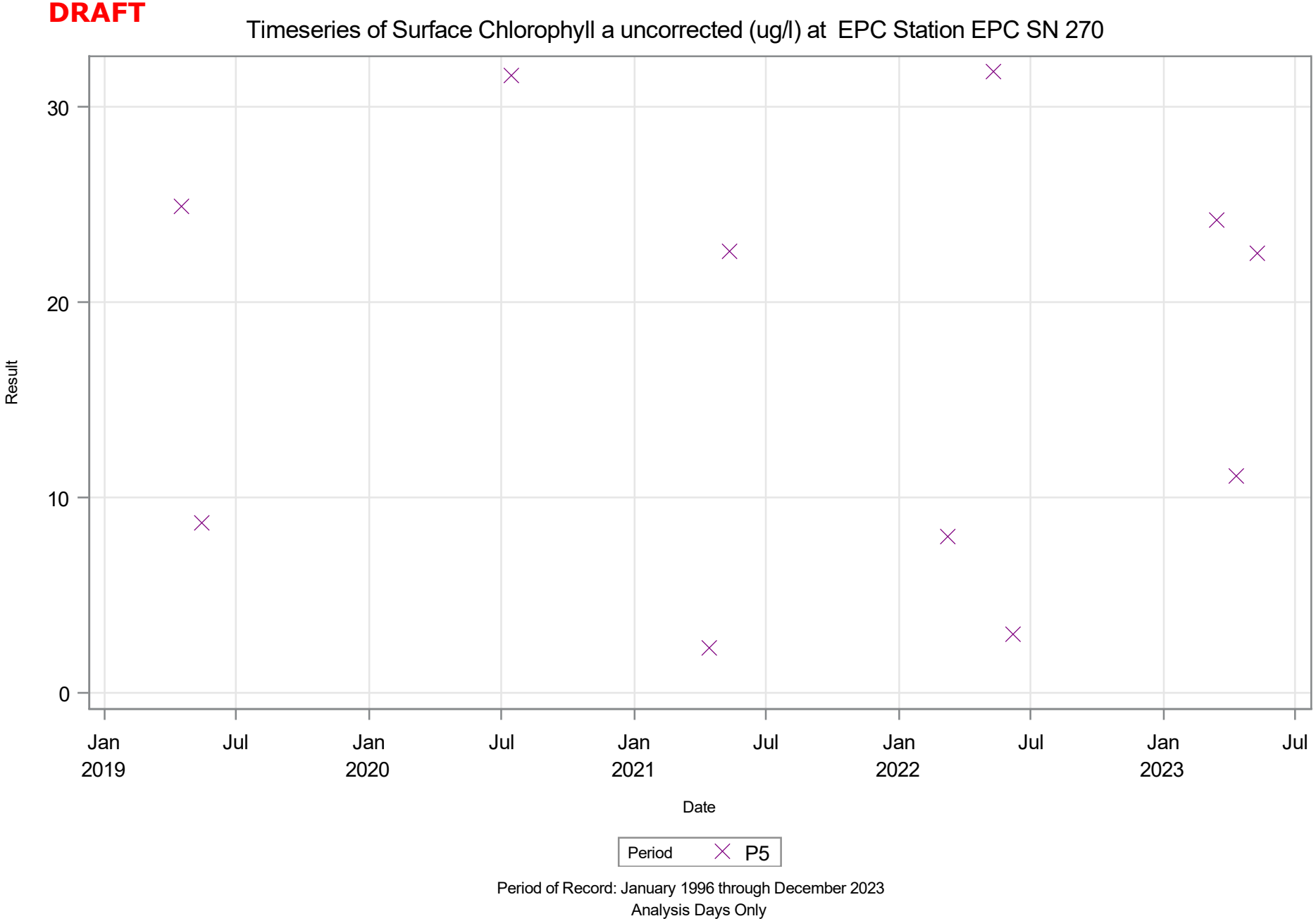
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	2.60	4.90	11.30	9.10	14.40	31.00
P5	21	2.40	6.00	14.98	8.90	20.80	57.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

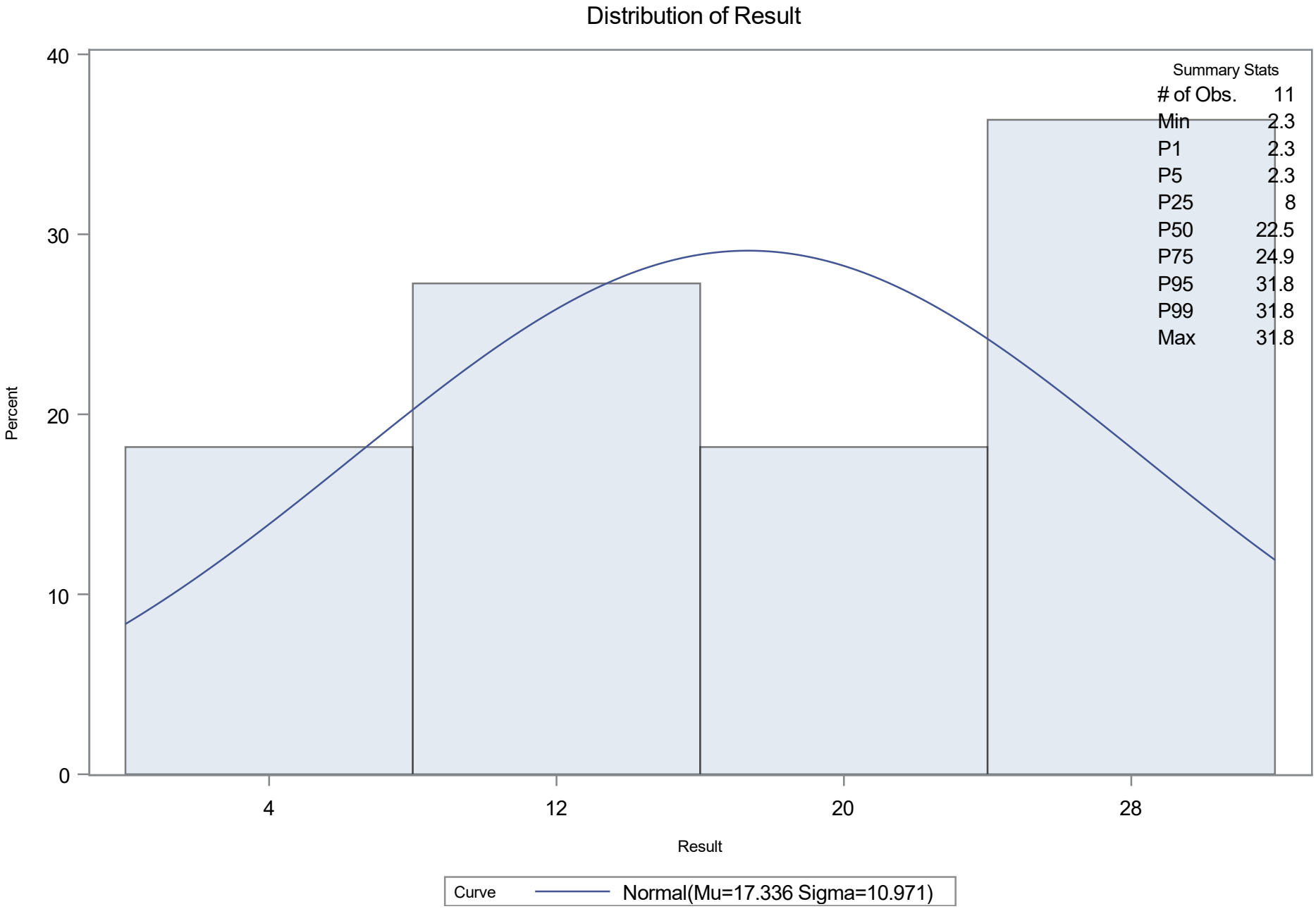

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 266
Result
60
50
40
30
20
10
0
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 270
Result
30
20
10
0
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.33636
Std Dev	Sigma	10.9709

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22651520	**Pr > D**	0.114
Cramer-von Mises	**W-Sq**	0.08614029	**Pr > W-Sq**	0.156
Anderson-Darling	**A-Sq**	0.48884045	**Pr > A-Sq**	0.183

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.30000	-8.18576
5.0	2.30000	-0.70915
10.0	3.00000	3.27660
25.0	8.00000	9.93661
50.0	22.50000	17.33636
75.0	24.90000	24.73612
90.0	31.60000	31.39613
95.0	31.80000	35.38188
99.0	31.80000	42.85848

Period of Record: January 1996 through December 2023
Analysis Days Only

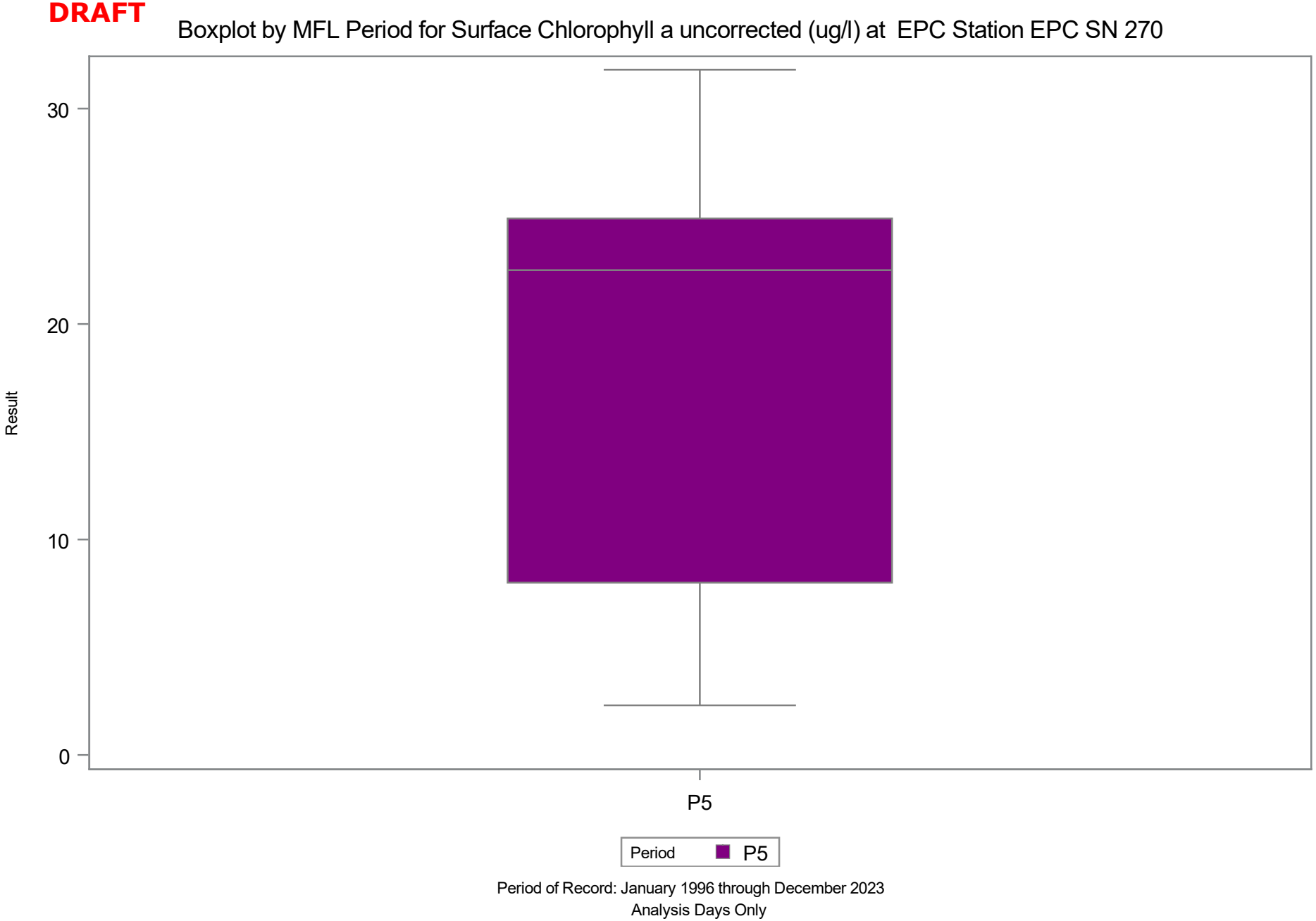
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 270

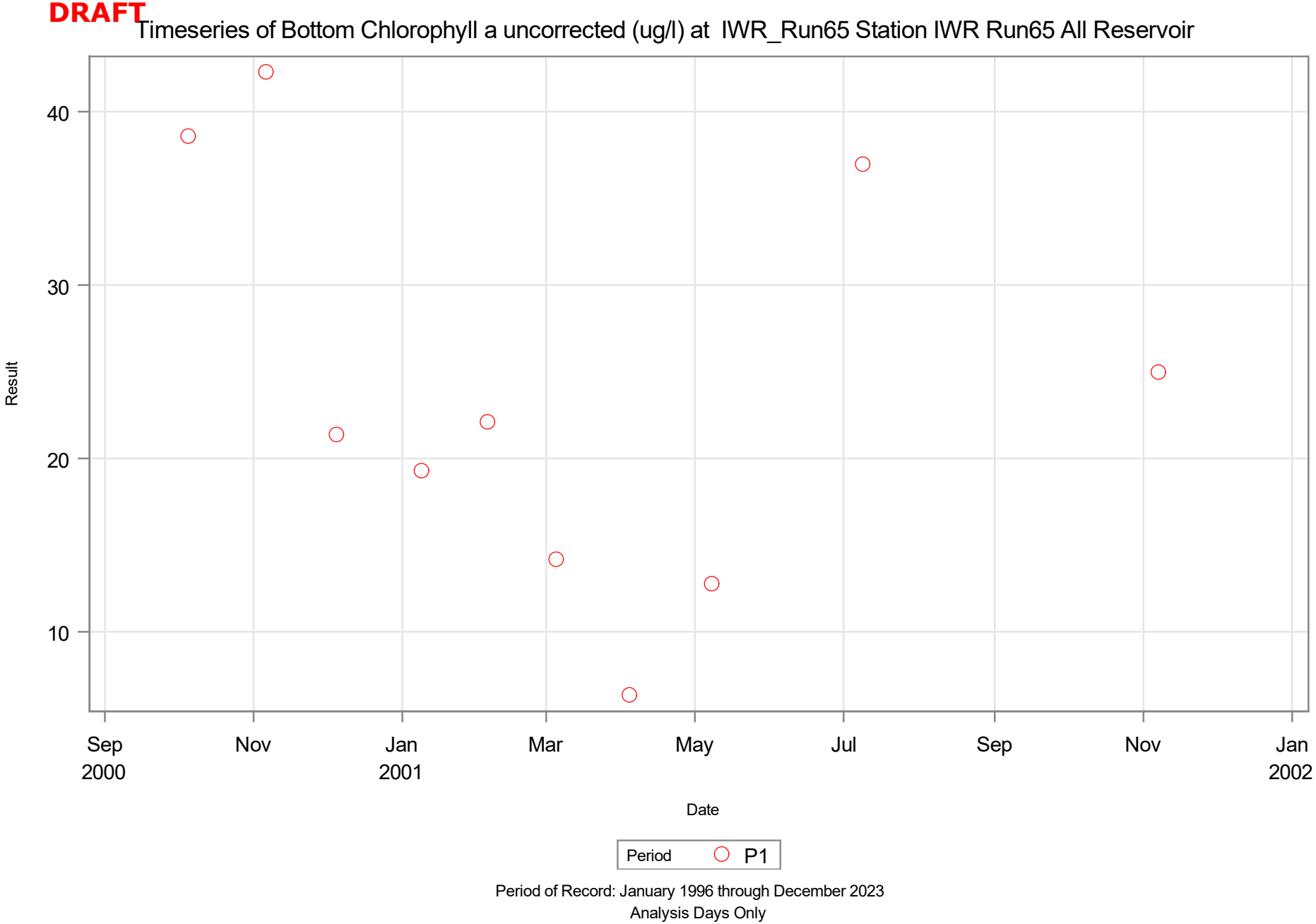
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	11	2.30	8.00	17.34	22.50	24.90	31.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

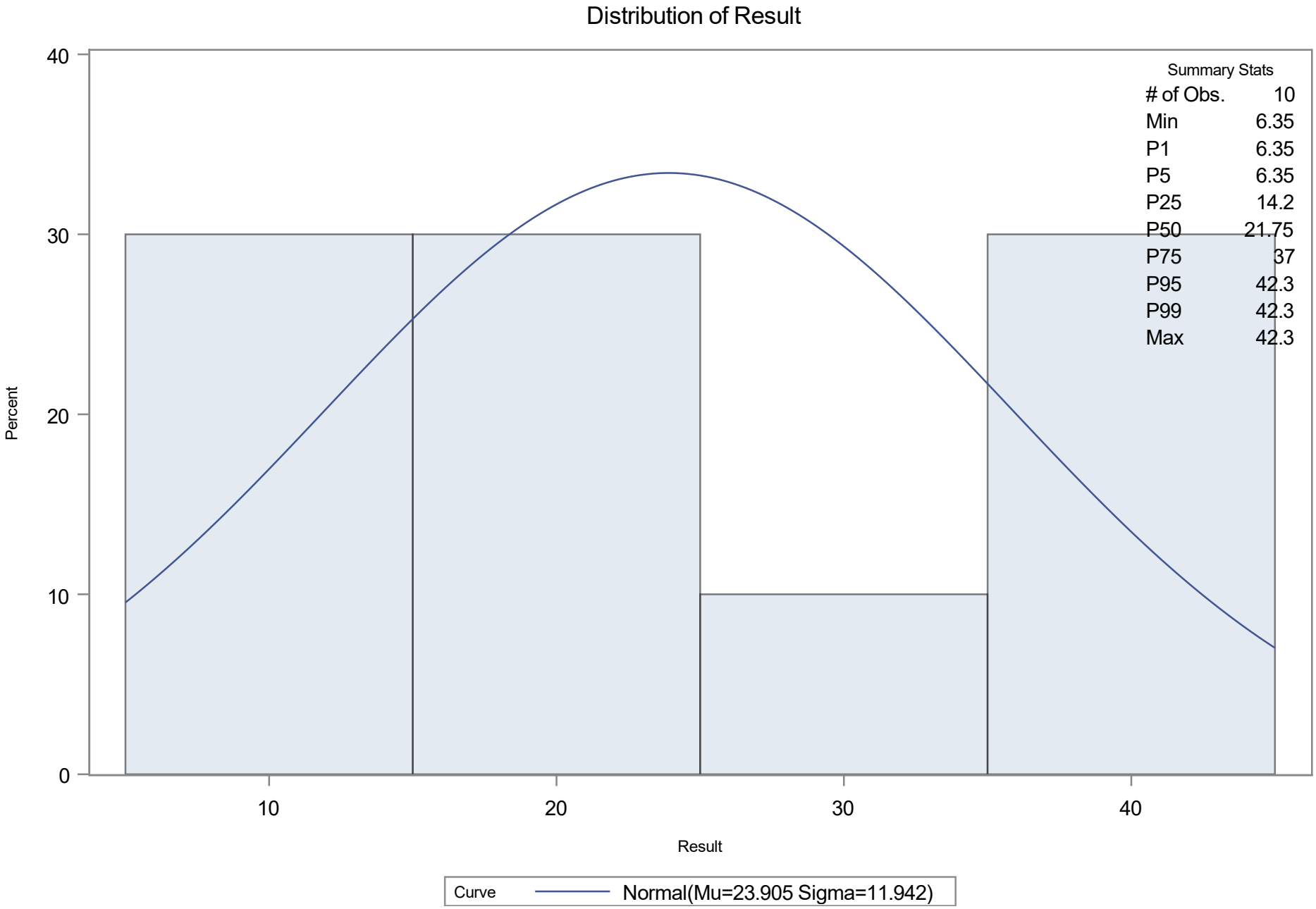

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at EPC Station EPC SN 270
Result
30
20
10
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
40
30
20
10
Sep
2000
Nov
Jan
2001
Mar
May
Jul
Sep
Nov
Jan
2002
Date
Period
P1
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.905
Std Dev	Sigma	11.94163

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16358840	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05198548	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31429929	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.35000	-3.87538
5.0	6.35000	4.26277
10.0	9.57500	8.60119
25.0	14.20000	15.85049
50.0	21.75000	23.90500
75.0	37.00000	31.95951
90.0	40.45000	39.20881
95.0	42.30000	43.54723
99.0	42.30000	51.68538

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

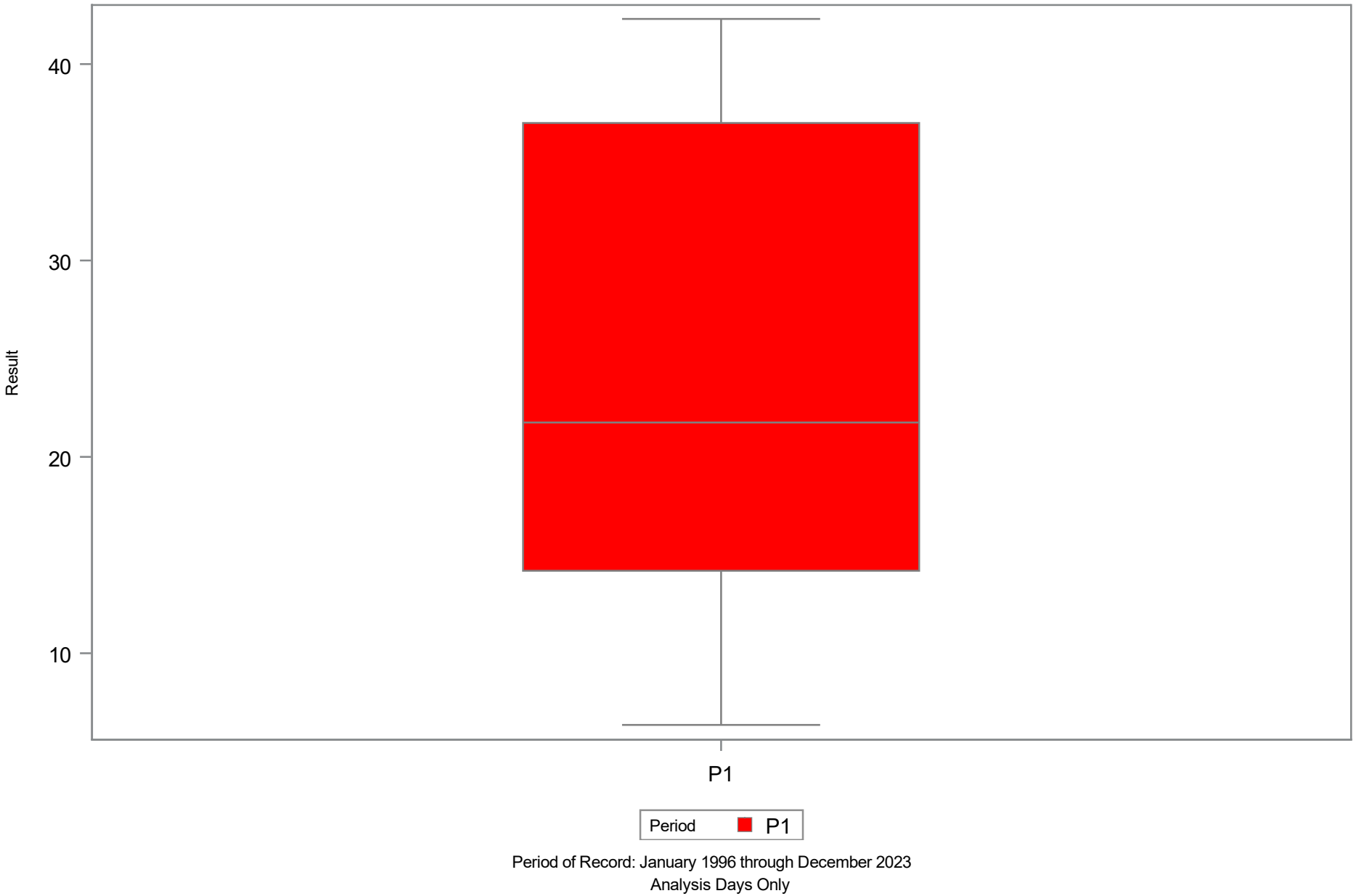
Distributional Statistics by Period for Bottom Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	10	6.35	14.20	23.91	21.75	37.00	42.30

Period of Record: January 1996 through December 2023
Analysis Days Only

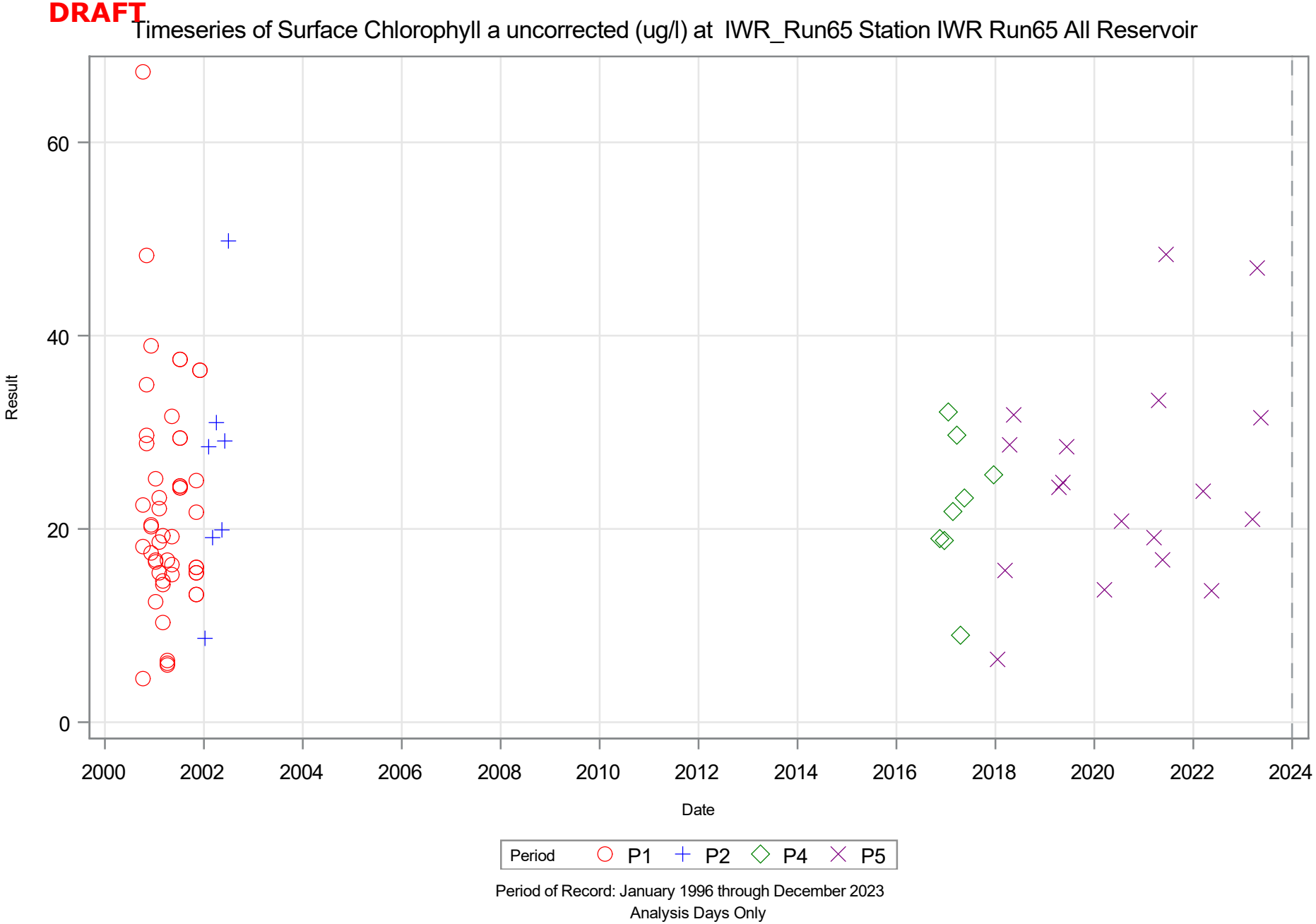
DRAFT

Boxplot by MFL Period for Bottom Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir



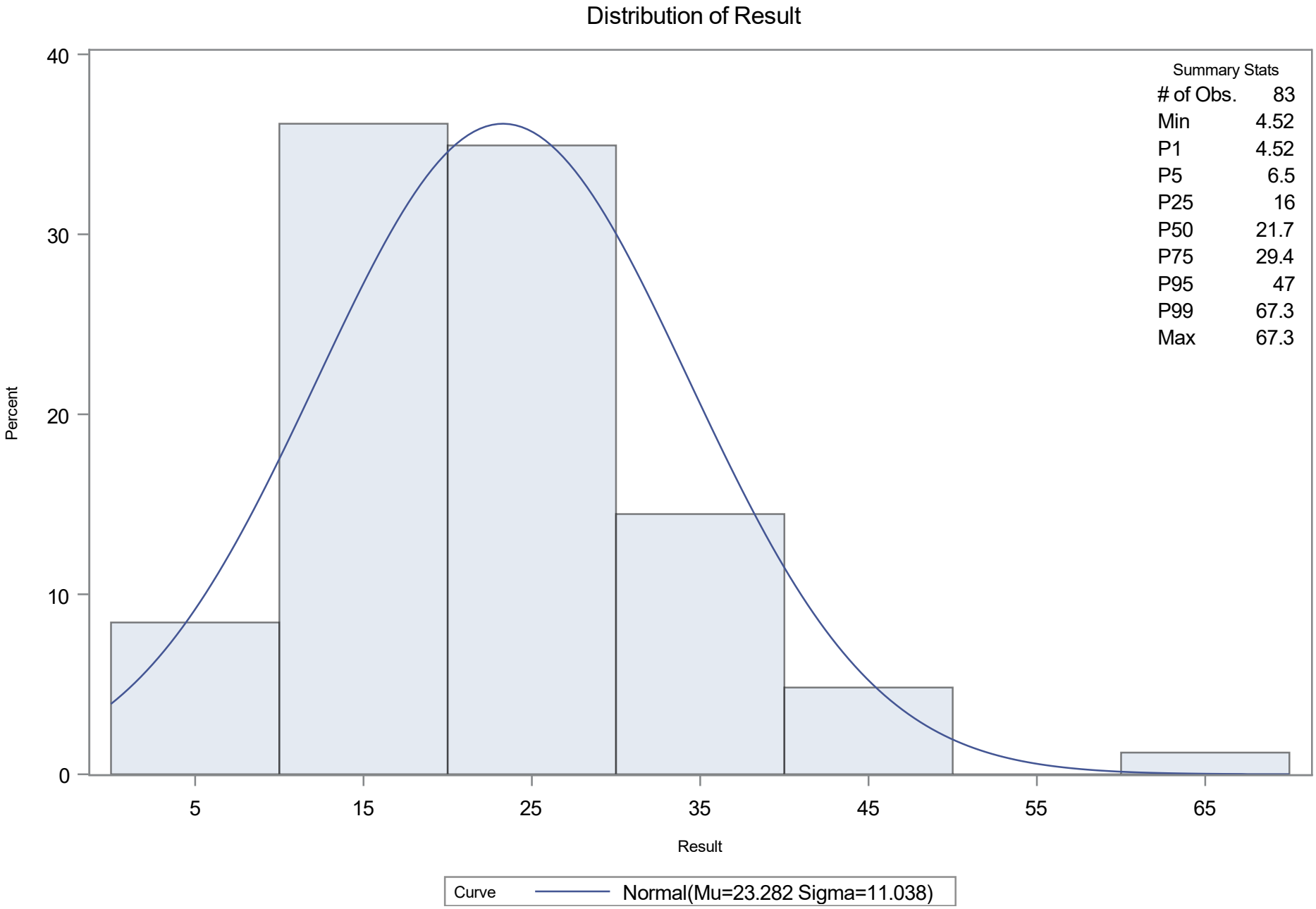
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0
20
40
60
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.28229
Std Dev	Sigma	11.03764

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10573259	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.19605728	**Pr > W-Sq**	0.006
Anderson-Darling	**A-Sq**	1.24148195	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.52000	-2.39510
5.0	6.50000	5.12699
10.0	12.50000	9.13698
25.0	16.00000	15.83751
50.0	21.70000	23.28229
75.0	29.40000	30.72706
90.0	36.40000	37.42760
95.0	47.00000	41.43759
99.0	67.30000	48.95968

Period of Record: January 1996 through December 2023
Analysis Days Only

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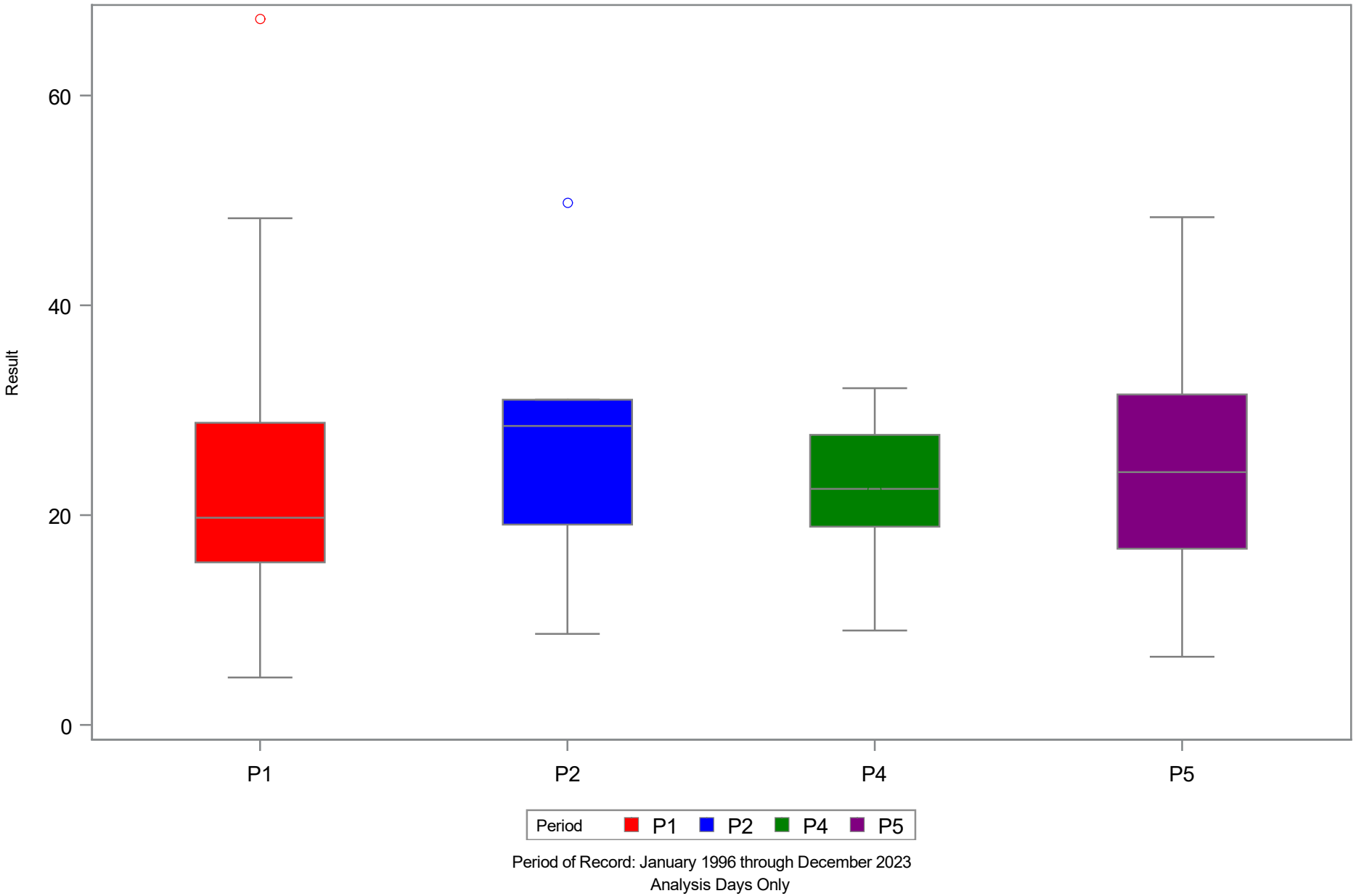
Distributional Statistics by Period for Surface Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	50	4.52	15.50	22.36	19.75	28.80	67.30
P2	7	8.68	19.10	26.58	28.50	31.00	49.80
P4	8	9.00	18.90	22.40	22.50	27.65	32.10
P5	18	6.50	16.80	24.97	24.10	31.50	48.40

Period of Record: January 1996 through December 2023
Analysis Days Only

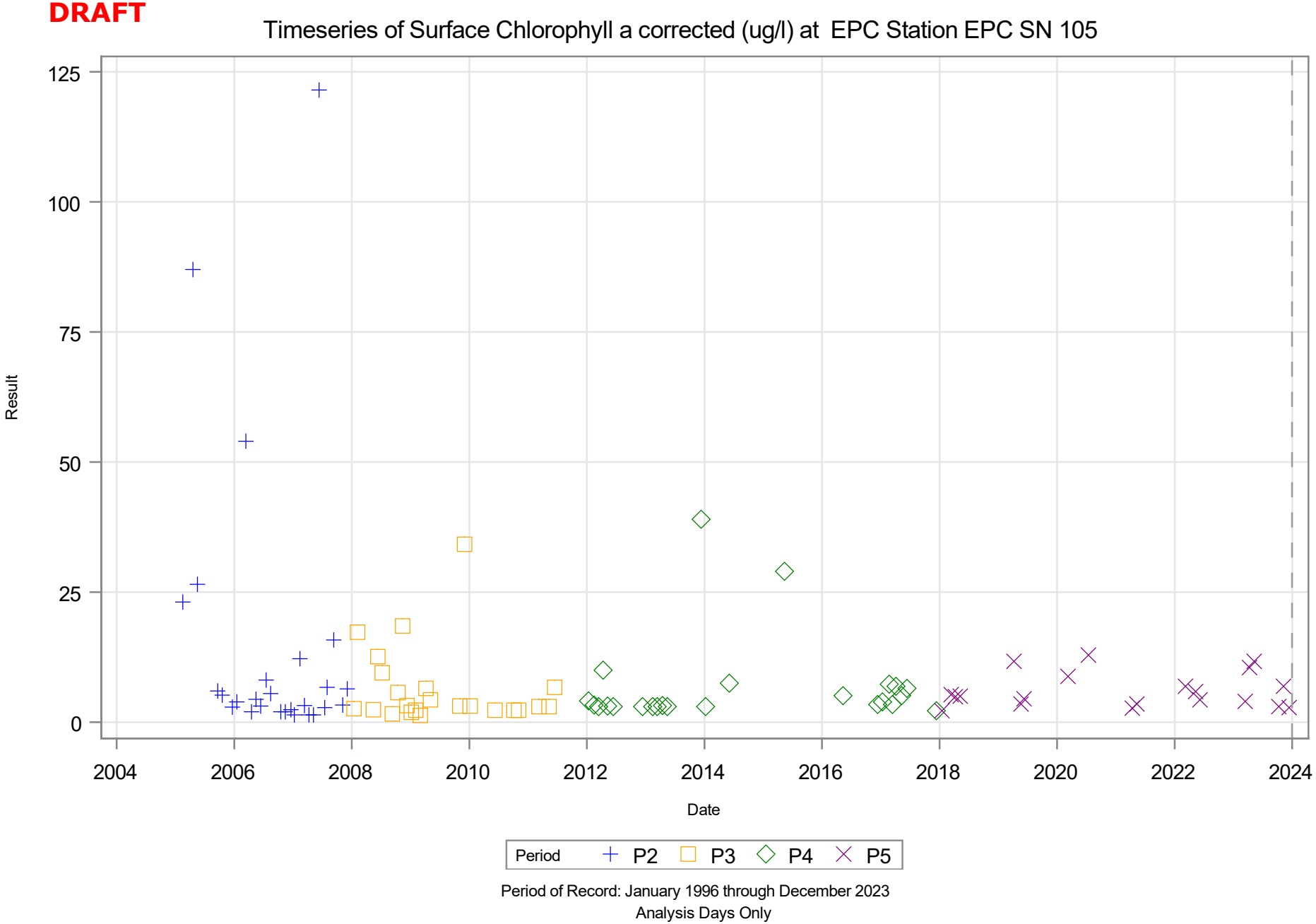
DRAFT

Boxplot by MFL Period for Surface Chlorophyll a uncorrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir



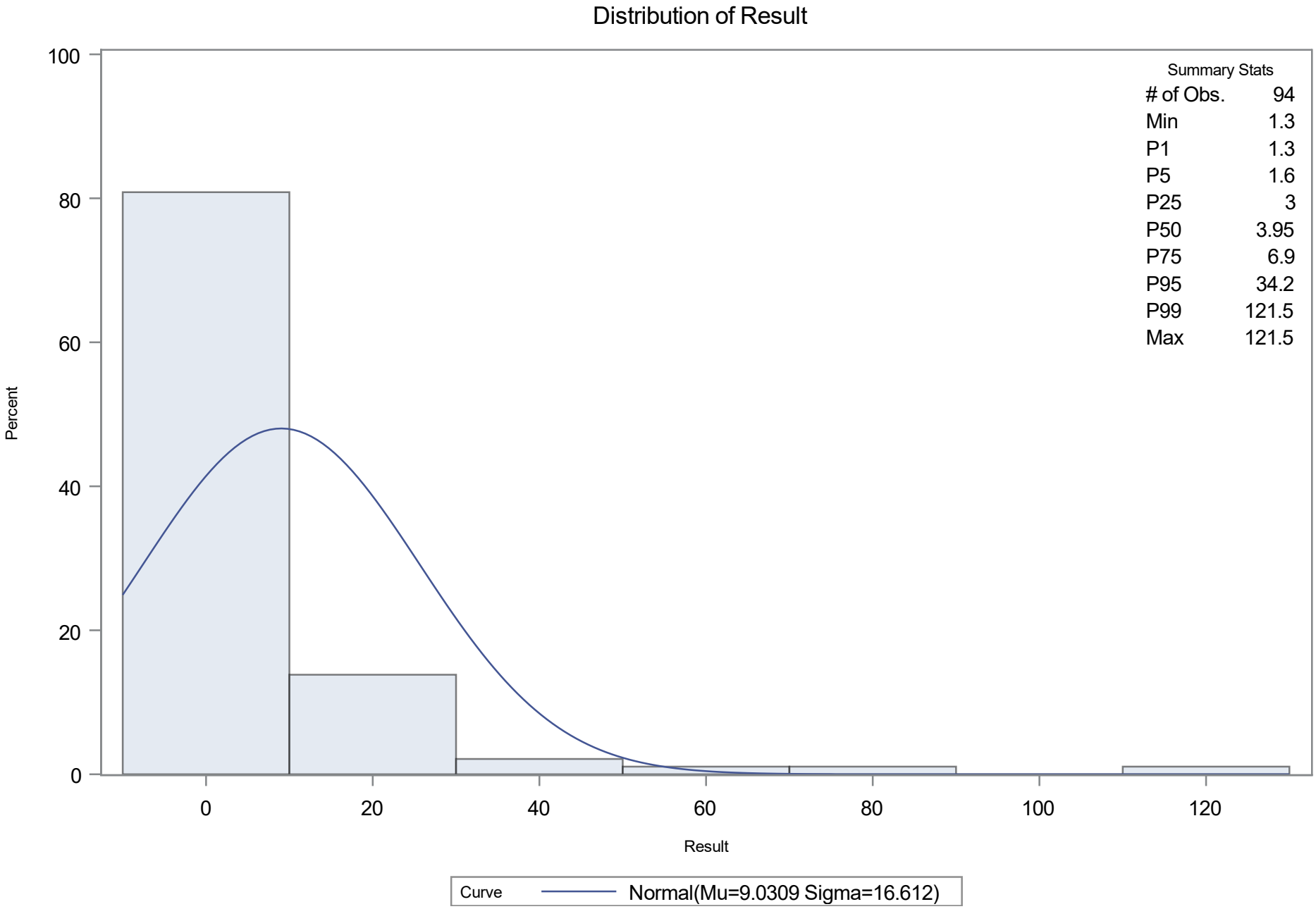
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 105
Result
125
100
75
50
25
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.030851
Std Dev	Sigma	16.6116

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3208266	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.5914760	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	17.9454655	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.30000	-29.61352
5.0	1.60000	-18.29281
10.0	2.20000	-12.25778
25.0	3.00000	-2.17351
50.0	3.95000	9.03085
75.0	6.90000	20.23521
90.0	17.30000	30.31948
95.0	34.20000	36.35451
99.0	121.50000	47.67522

Period of Record: January 1996 through December 2023
Analysis Days Only

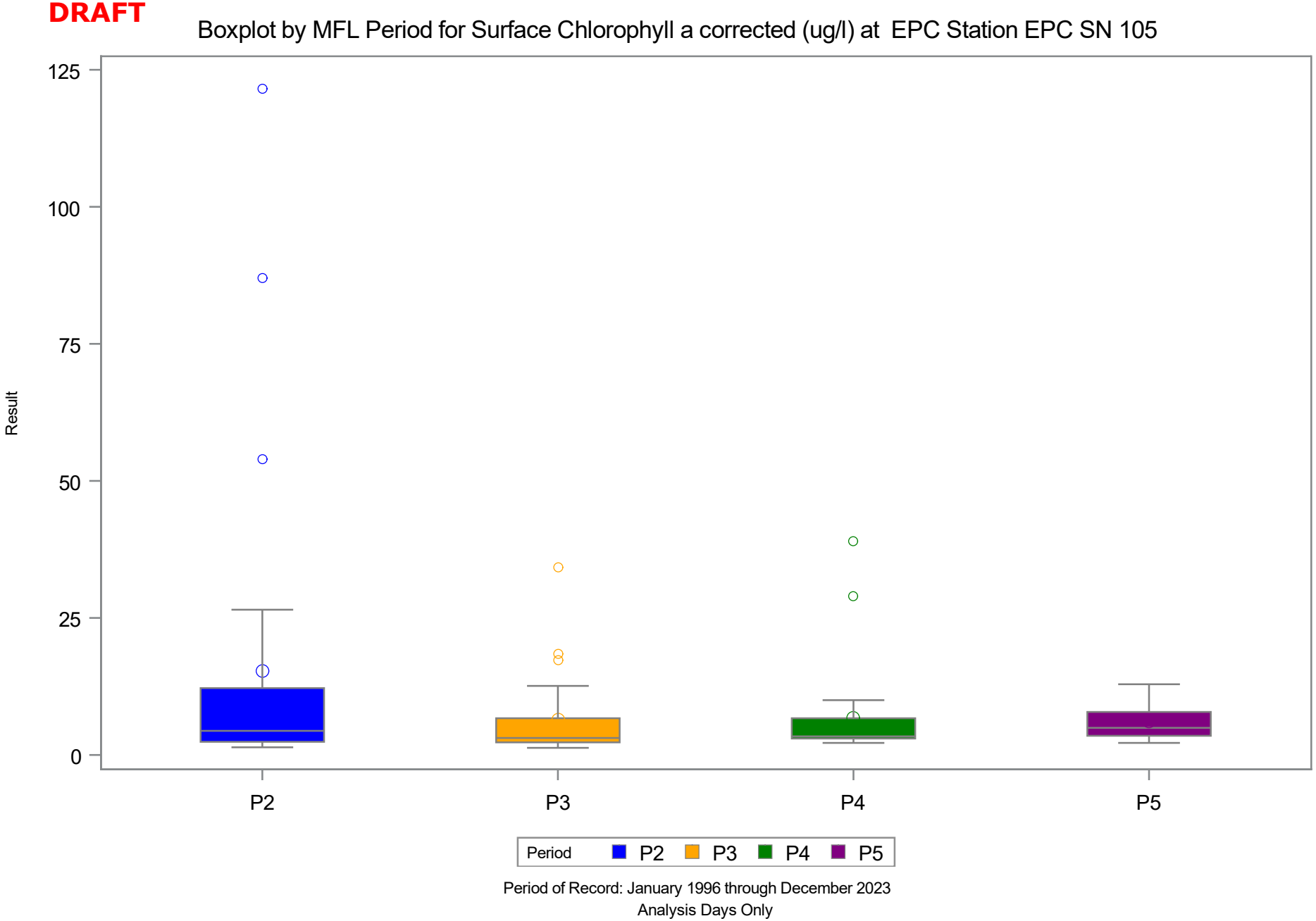
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 105

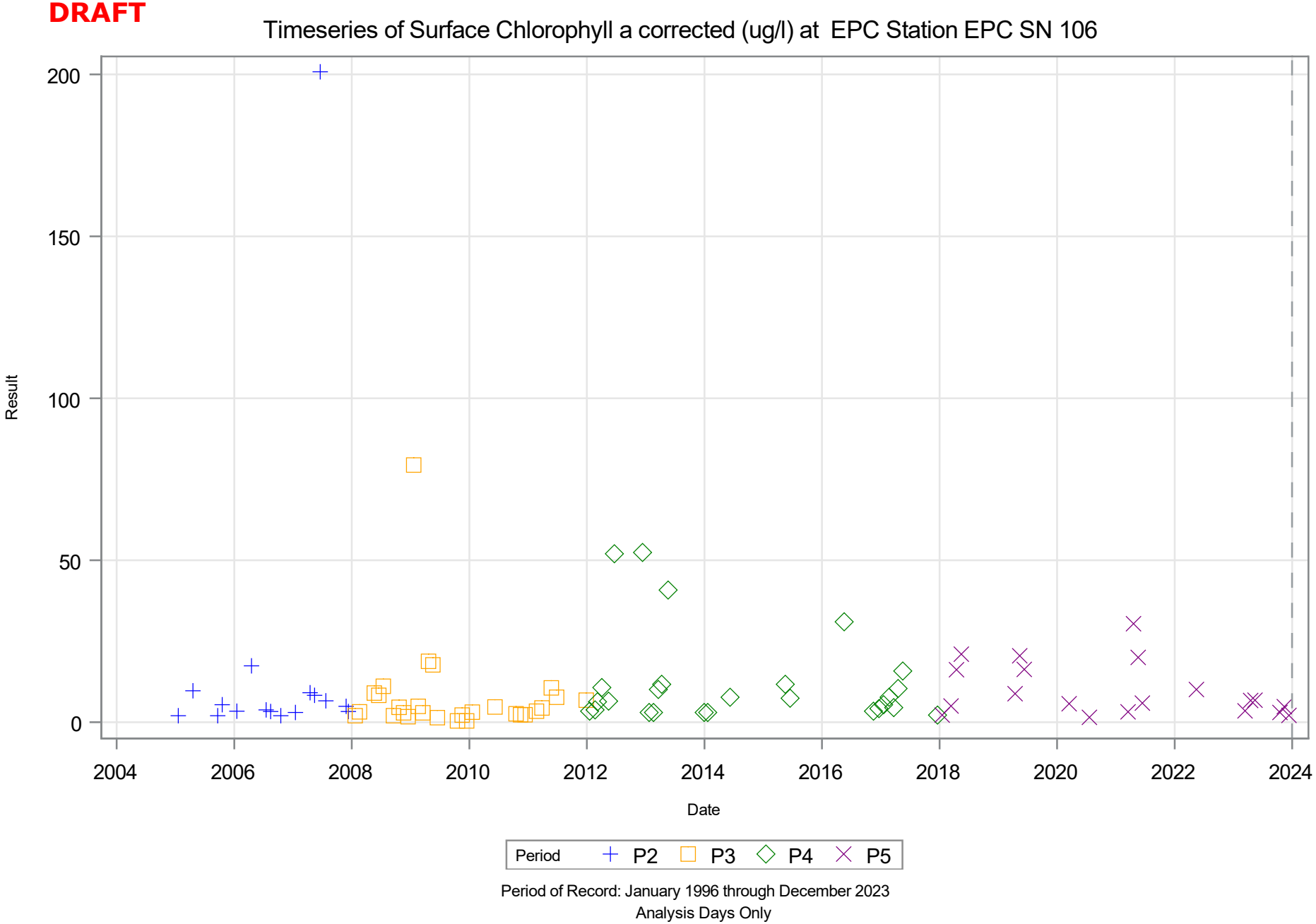
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	27	1.40	2.40	15.34	4.40	12.20	121.50
P3	23	1.30	2.30	6.51	3.10	6.70	34.20
P4	24	2.20	3.00	6.83	3.40	6.70	39.00
P5	20	2.20	3.50	6.05	4.95	7.85	12.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

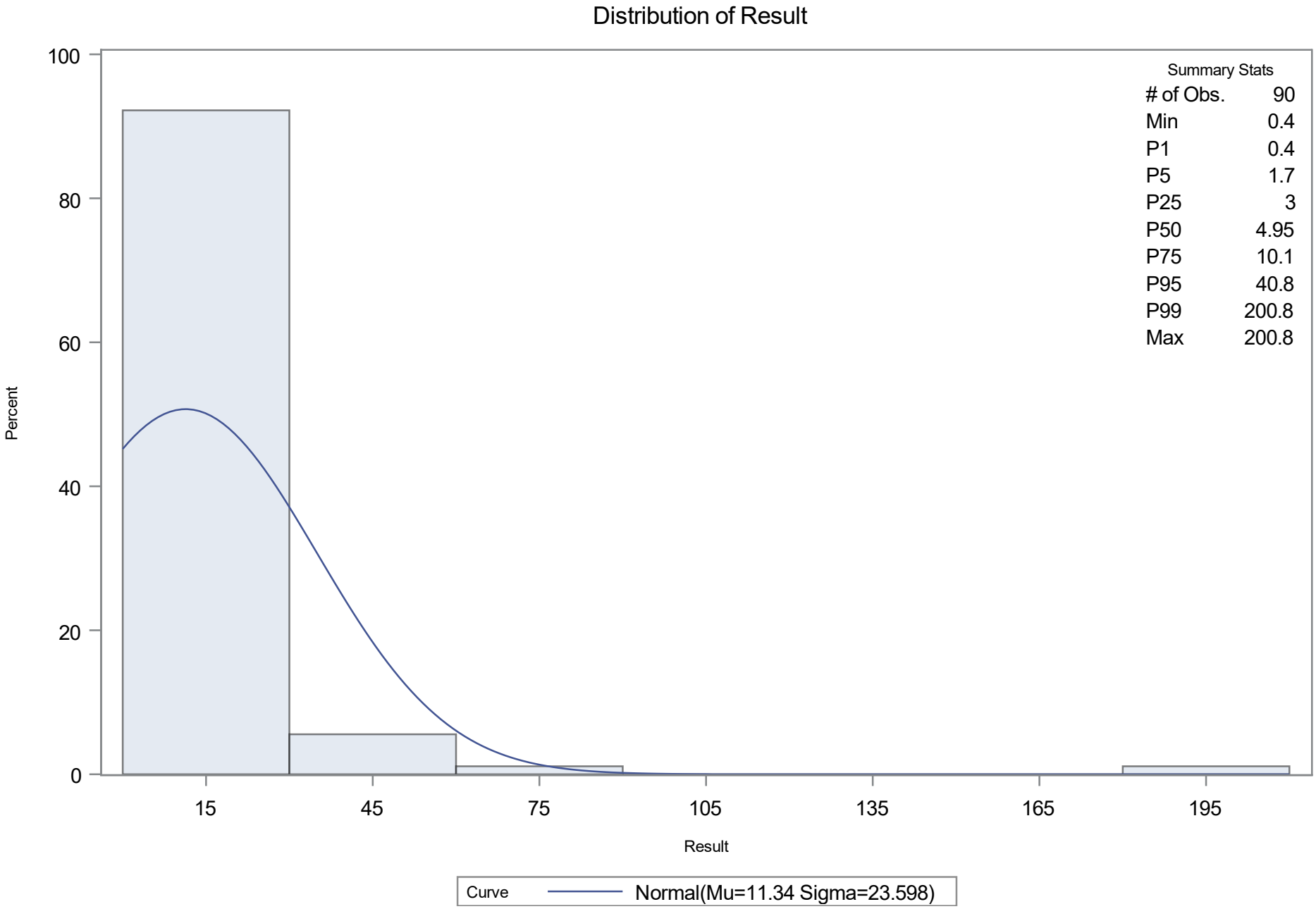

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 105
Result
125
100
75
50
25
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 106
Result
200
150
100
50
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.34
Std Dev	Sigma	23.59776

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3214660	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.3709523	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.9434479	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.40000	-43.55660
5.0	1.70000	-27.47486
10.0	2.00000	-18.90175
25.0	3.00000	-4.57645
50.0	4.95000	11.34000
75.0	10.10000	27.25645
90.0	20.25000	41.58175
95.0	40.80000	50.15486
99.0	200.80000	66.23660

Period of Record: January 1996 through December 2023
Analysis Days Only

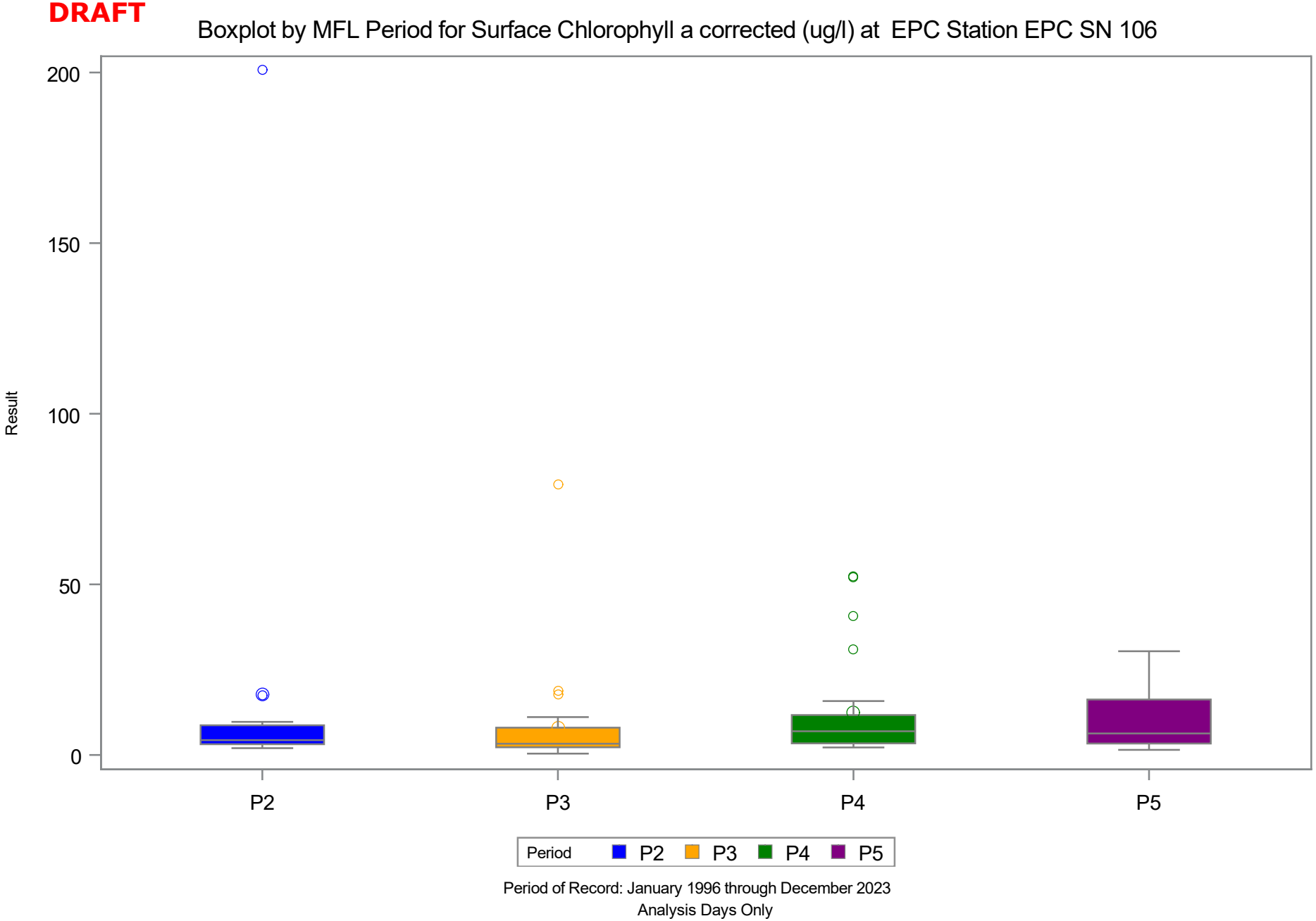
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 106

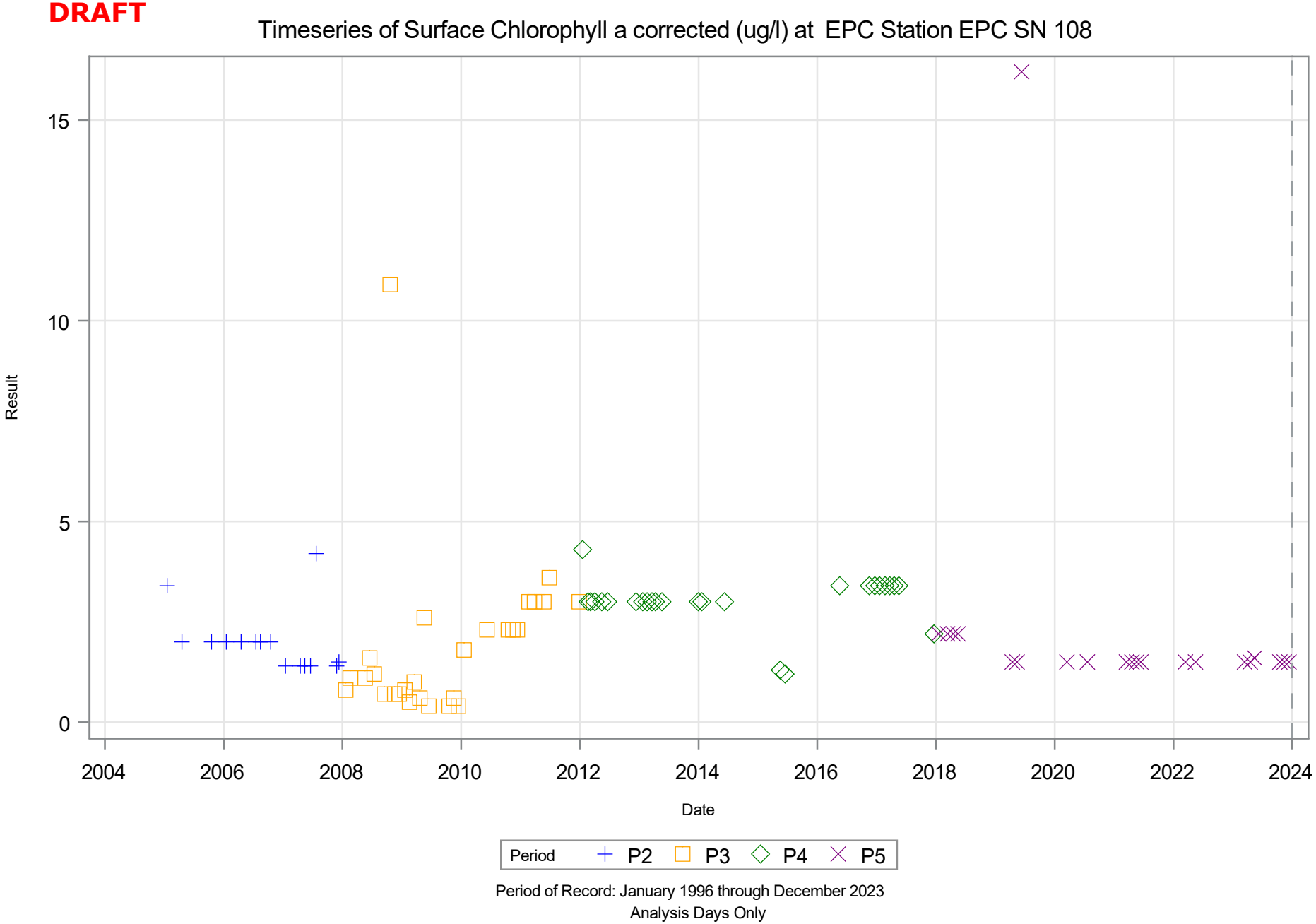
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	16	2.00	3.15	17.81	4.35	8.70	200.80
P3	28	0.40	2.25	7.89	3.30	8.00	79.40
P4	26	2.20	3.40	12.35	6.95	11.70	52.40
P5	20	1.50	3.35	9.69	6.30	16.25	30.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

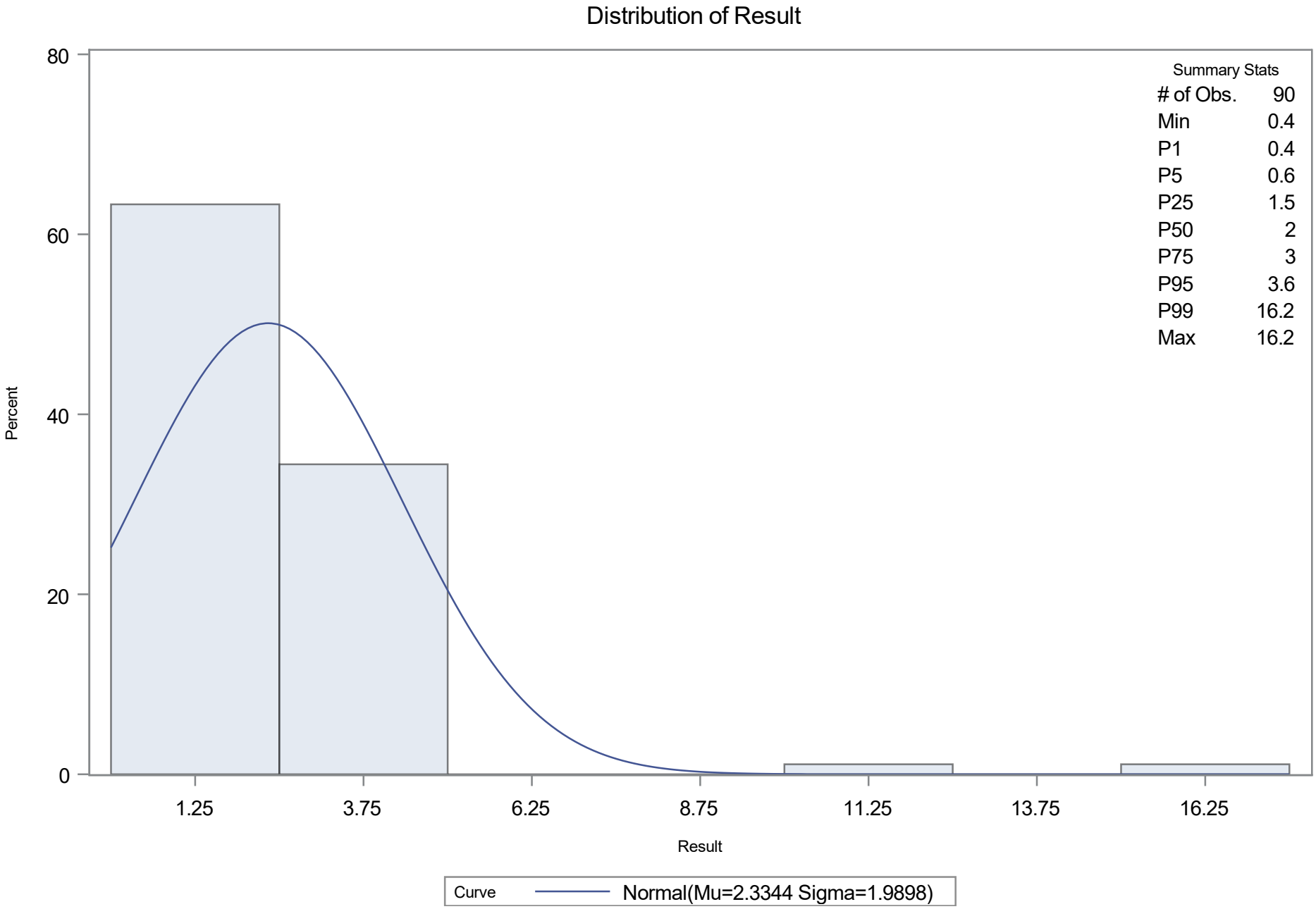

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 106
Result
200
150
100
50
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 108
Result
15
10
5
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.334444
Std Dev	Sigma	1.989815

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24059481	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.23270922	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.80130000	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.40000	-2.29456
5.0	0.60000	-0.93851
10.0	0.75000	-0.21561
25.0	1.50000	0.99233
50.0	2.00000	2.33444
75.0	3.00000	3.67655
90.0	3.40000	4.88449
95.0	3.60000	5.60740
99.0	16.20000	6.96345

Period of Record: January 1996 through December 2023
Analysis Days Only

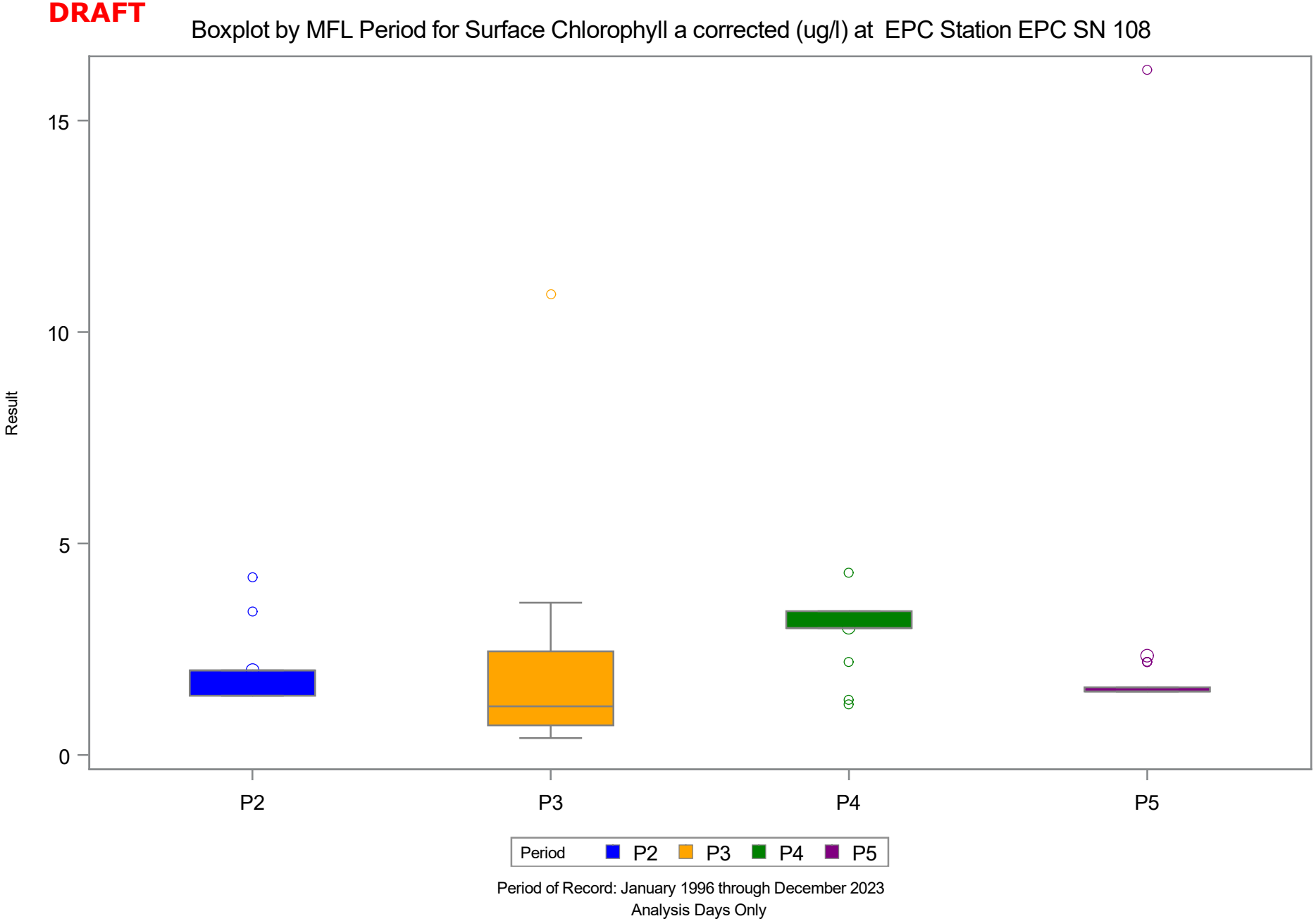
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 108

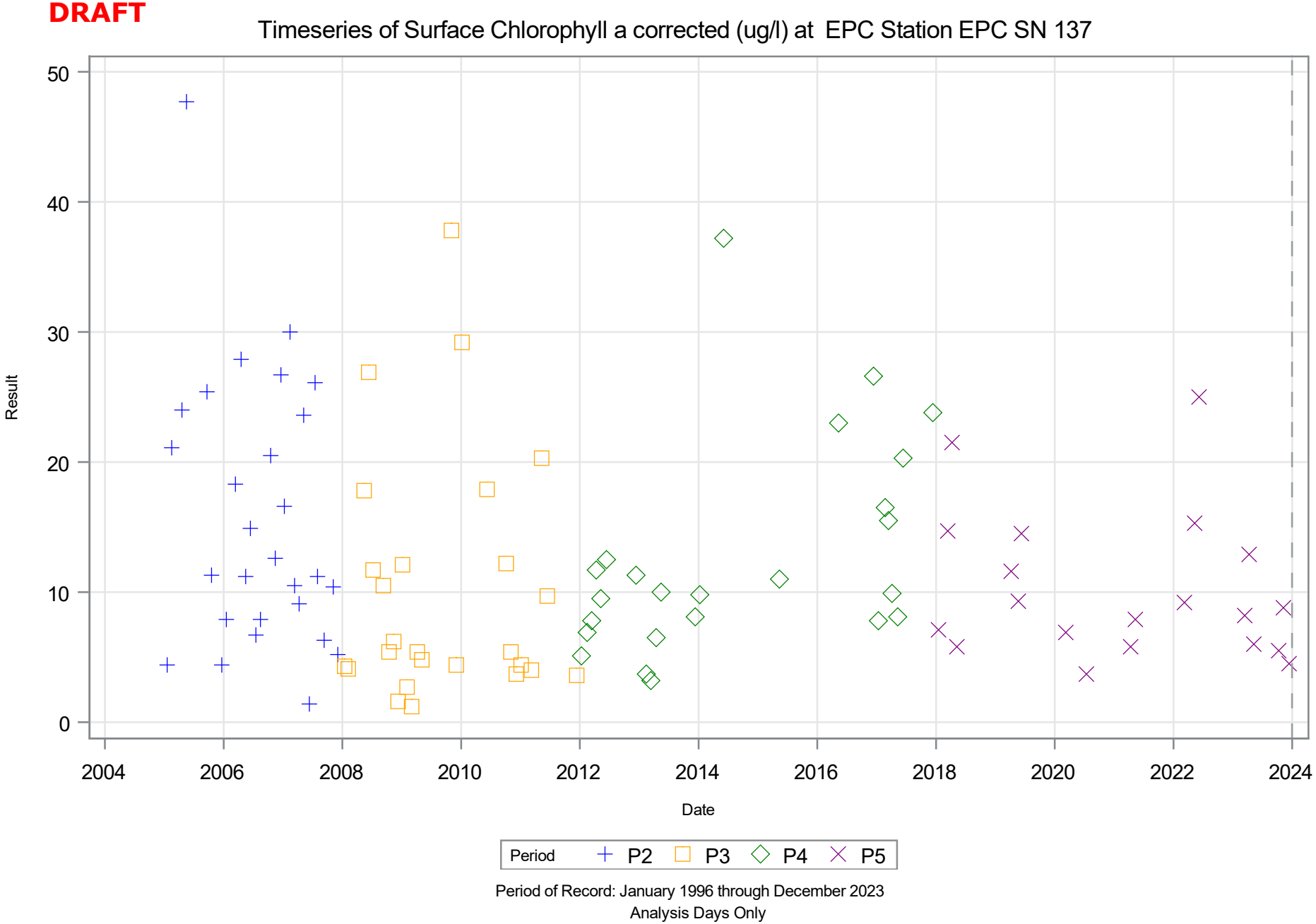
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	15	1.40	1.40	2.01	2.00	2.00	4.20
P3	28	0.40	0.70	1.88	1.15	2.45	10.90
P4	26	1.20	3.00	3.01	3.00	3.40	4.30
P5	21	1.50	1.50	2.34	1.50	1.60	16.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

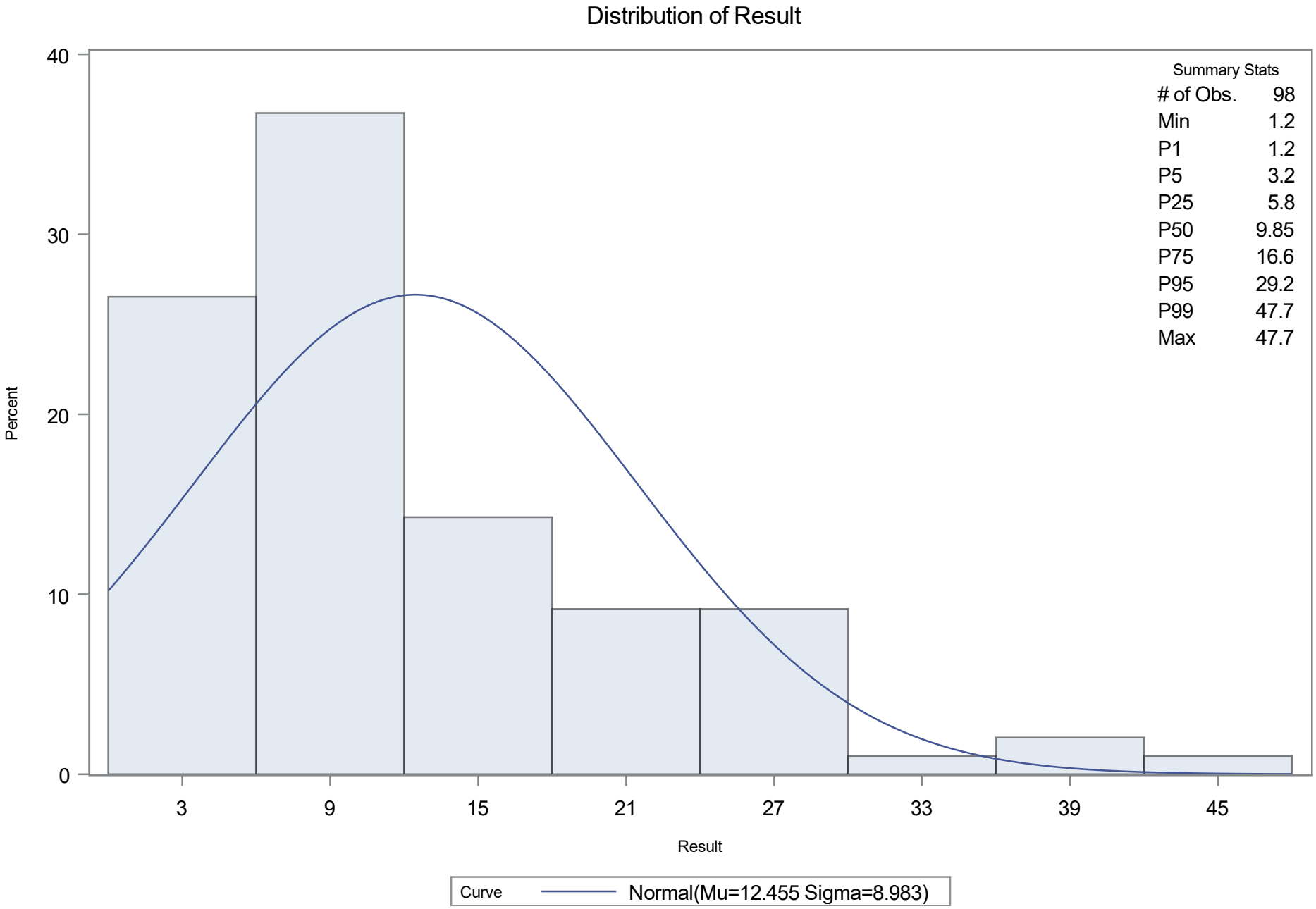

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 108
Result
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 137
Result
50
40
30
20
10
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.4551
Std Dev	Sigma	8.982952

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16703460	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.68435129	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.80281444	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.20000	-8.44237
5.0	3.20000	-2.32054
10.0	4.00000	0.94299
25.0	5.80000	6.39619
50.0	9.85000	12.45510
75.0	16.60000	18.51401
90.0	26.10000	23.96722
95.0	29.20000	27.23074
99.0	47.70000	33.35257

Period of Record: January 1996 through December 2023
Analysis Days Only

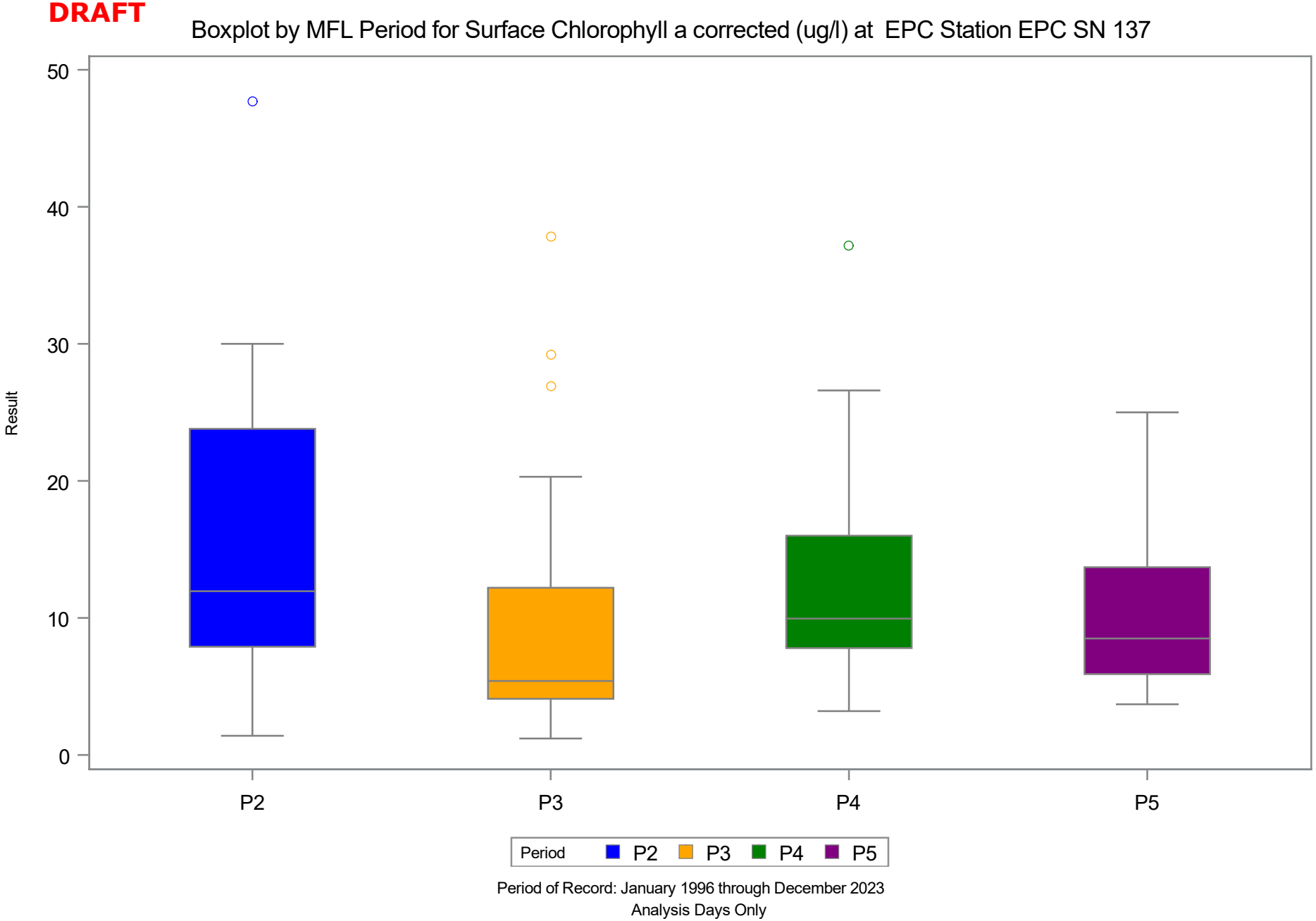
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 137

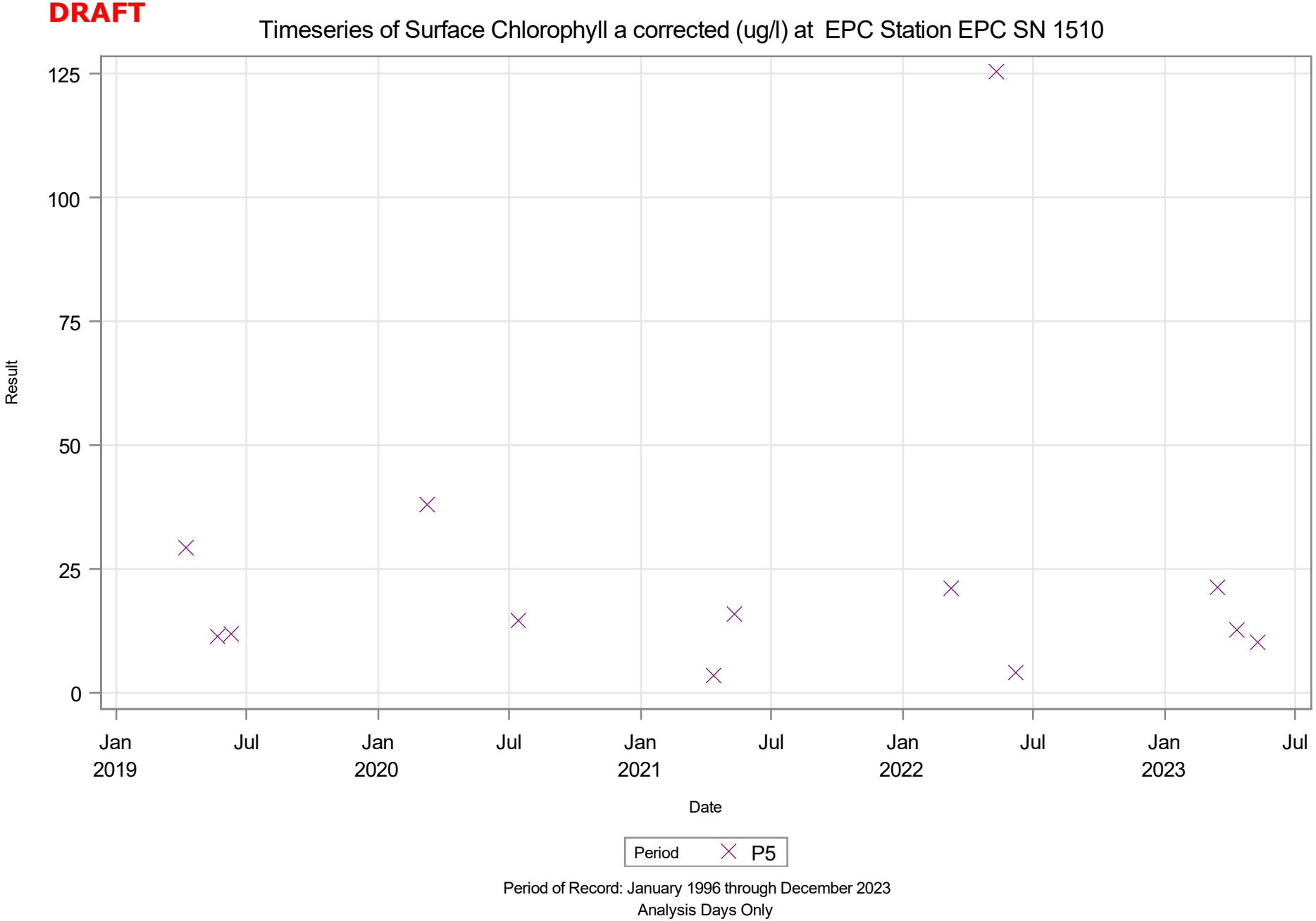
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	28	1.40	7.90	15.83	11.95	23.80	47.70
P3	26	1.20	4.10	10.28	5.40	12.20	37.80
P4	24	3.20	7.80	12.74	9.95	16.00	37.20
P5	20	3.70	5.90	10.21	8.50	13.70	25.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

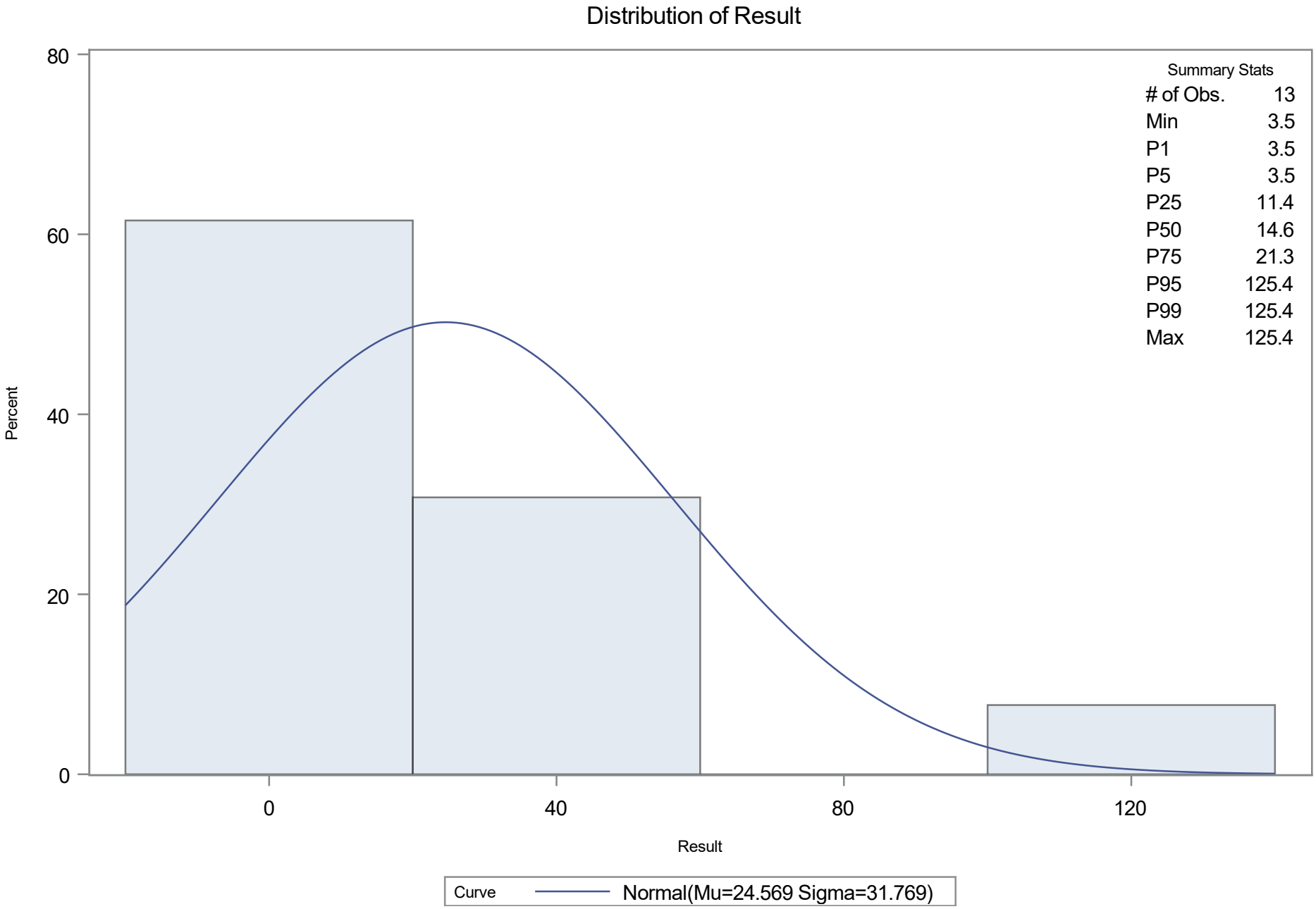

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 137
Result
50
40
30
20
10
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 1510
125
100
75
50
25
0
Result
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.56923
Std Dev	Sigma	31.76878

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31021238	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37481859	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.09093780	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.50000	-49.33601
5.0	3.50000	-27.68577
10.0	4.10000	-16.14410
25.0	11.40000	3.14151
50.0	14.60000	24.56923
75.0	21.30000	45.99695
90.0	38.00000	65.28257
95.0	125.40000	76.82423
99.0	125.40000	98.47447

Period of Record: January 1996 through December 2023
Analysis Days Only

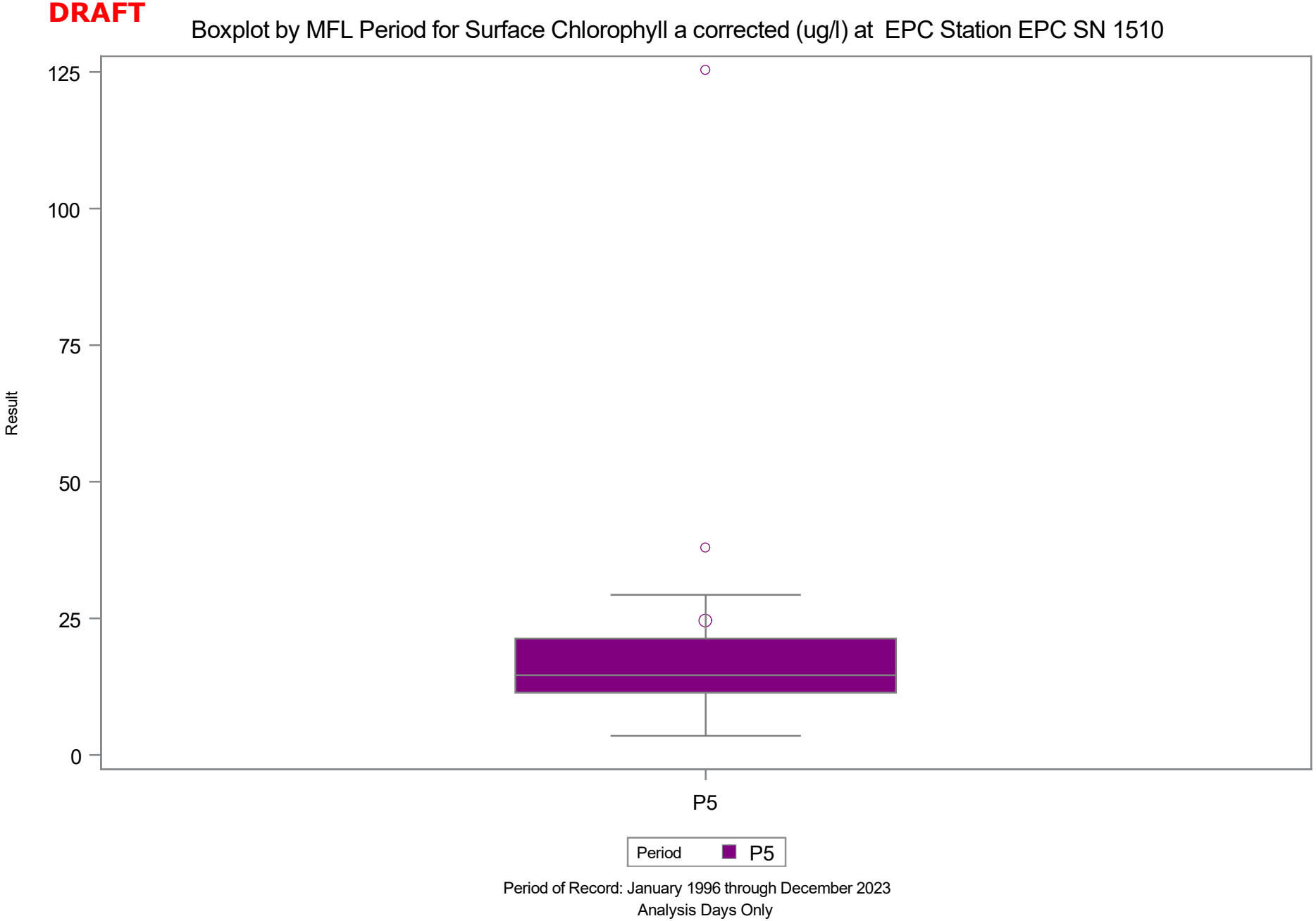
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 1510

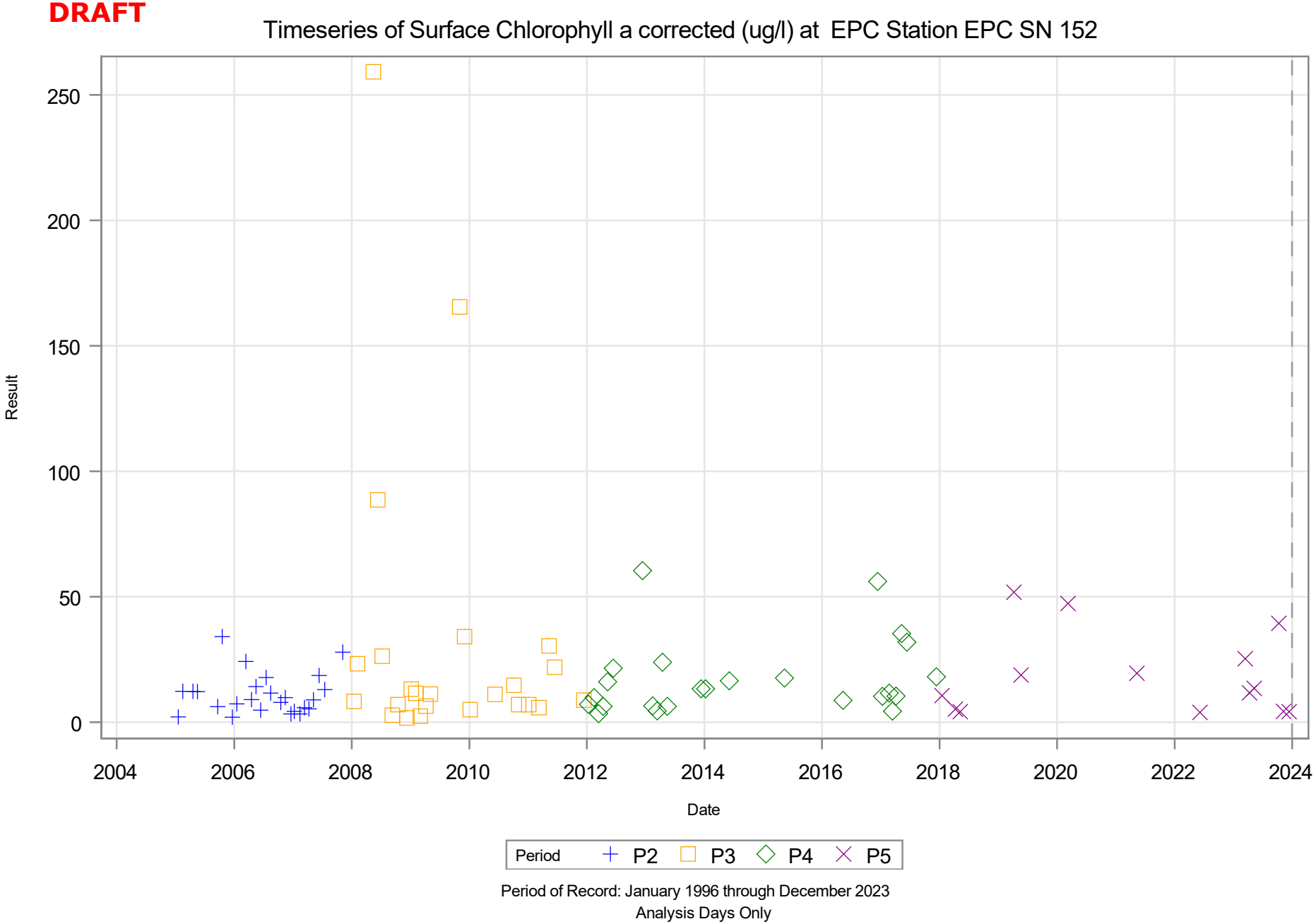
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	3.50	11.40	24.57	14.60	21.30	125.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

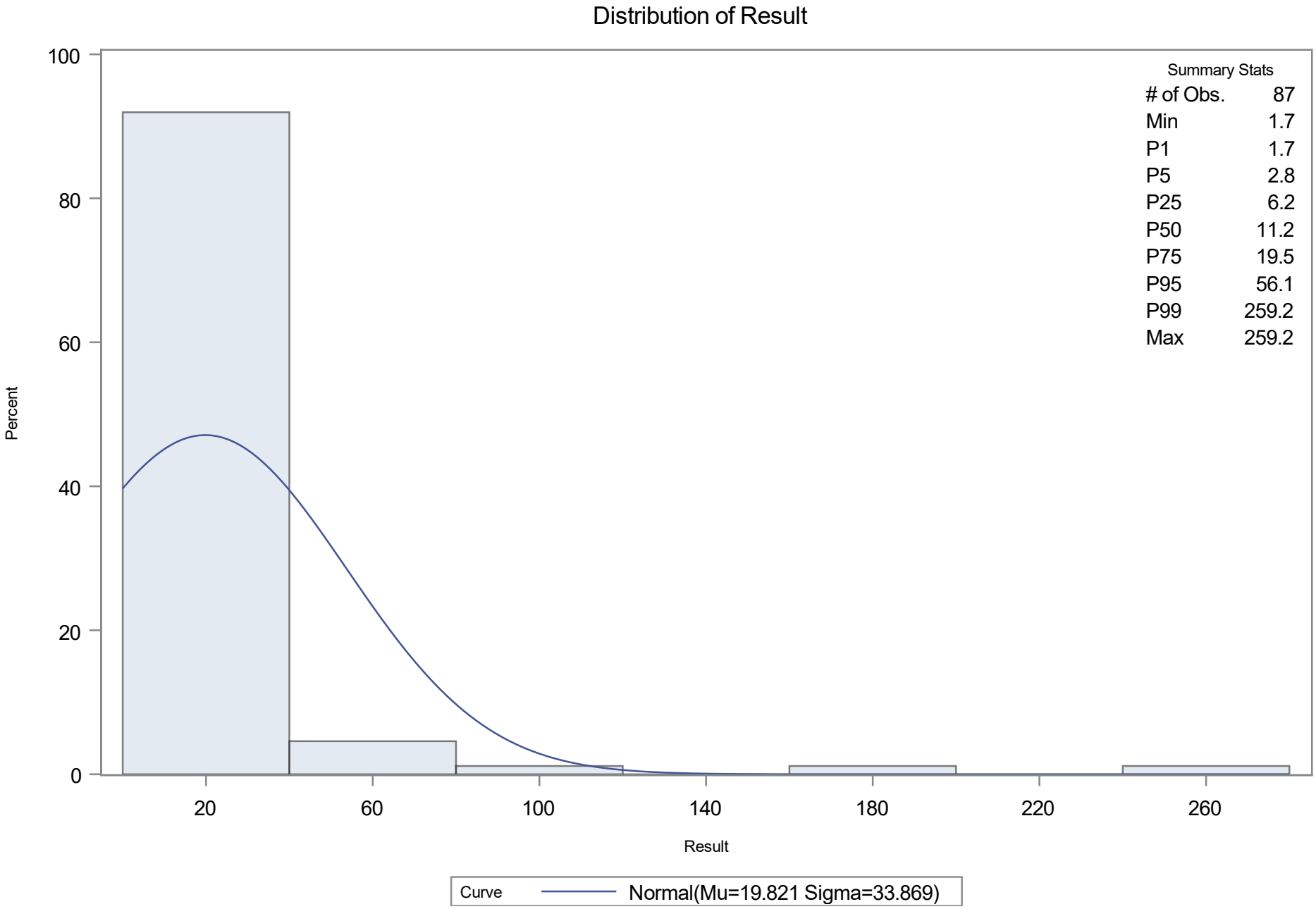

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 1510
125
100
75
50
25
0
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 152
Result
250
200
150
100
50
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	19.82069
Std Dev	Sigma	33.86894

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2963167	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.6902531	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.0695195	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.70000	-58.97026
5.0	2.80000	-35.88877
10.0	3.90000	-23.58411
25.0	6.20000	-3.02357
50.0	11.20000	19.82069
75.0	19.50000	42.66495
90.0	35.30000	63.22549
95.0	56.10000	75.53015
99.0	259.20000	98.61164

Period of Record: January 1996 through December 2023
Analysis Days Only

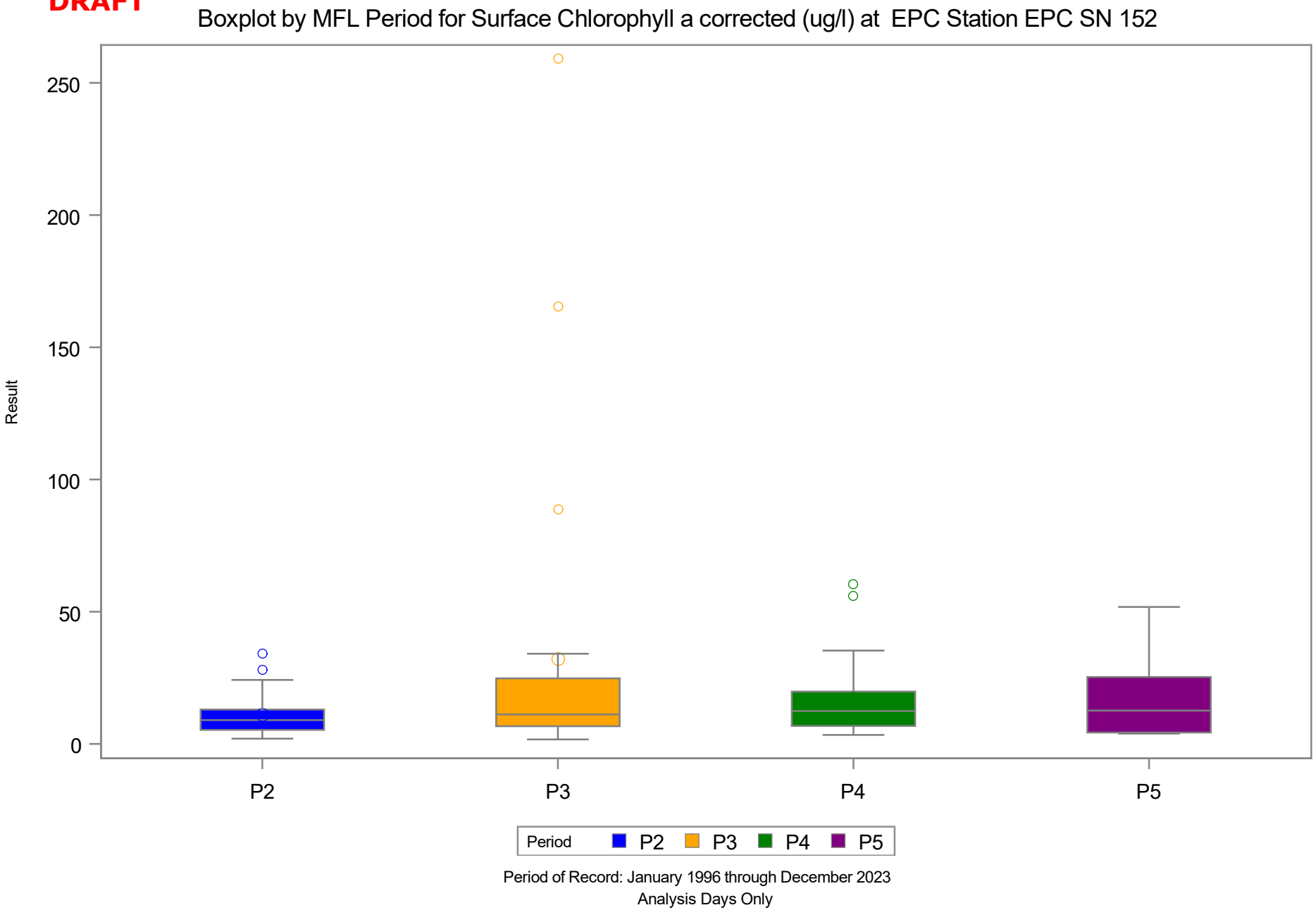
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 152

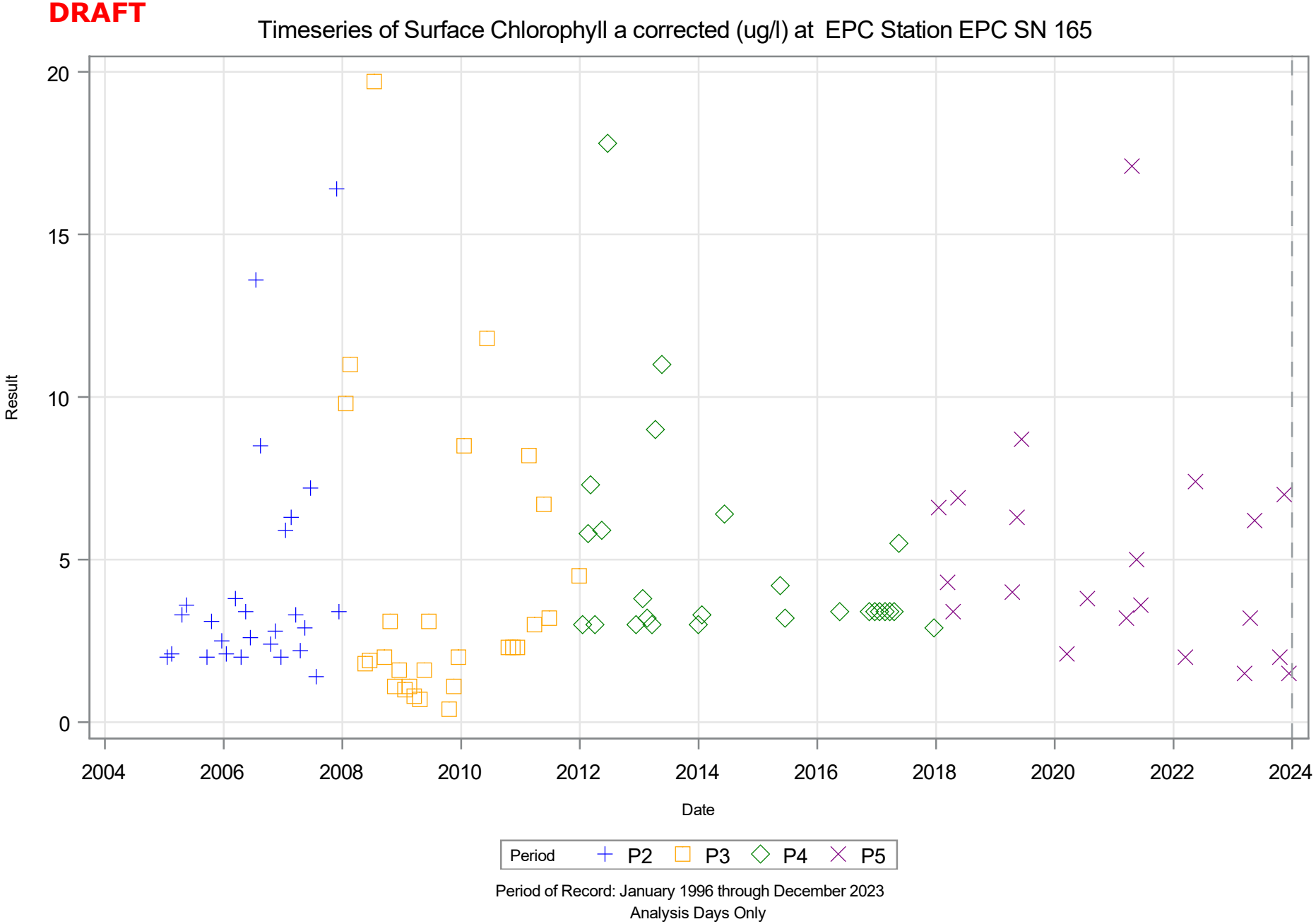
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	2.00	5.30	11.13	9.00	13.00	34.10
P3	24	1.70	6.70	32.22	11.15	24.80	259.20
P4	24	3.40	6.80	17.22	12.45	19.80	60.40
P5	14	3.90	4.30	18.55	12.60	25.30	51.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

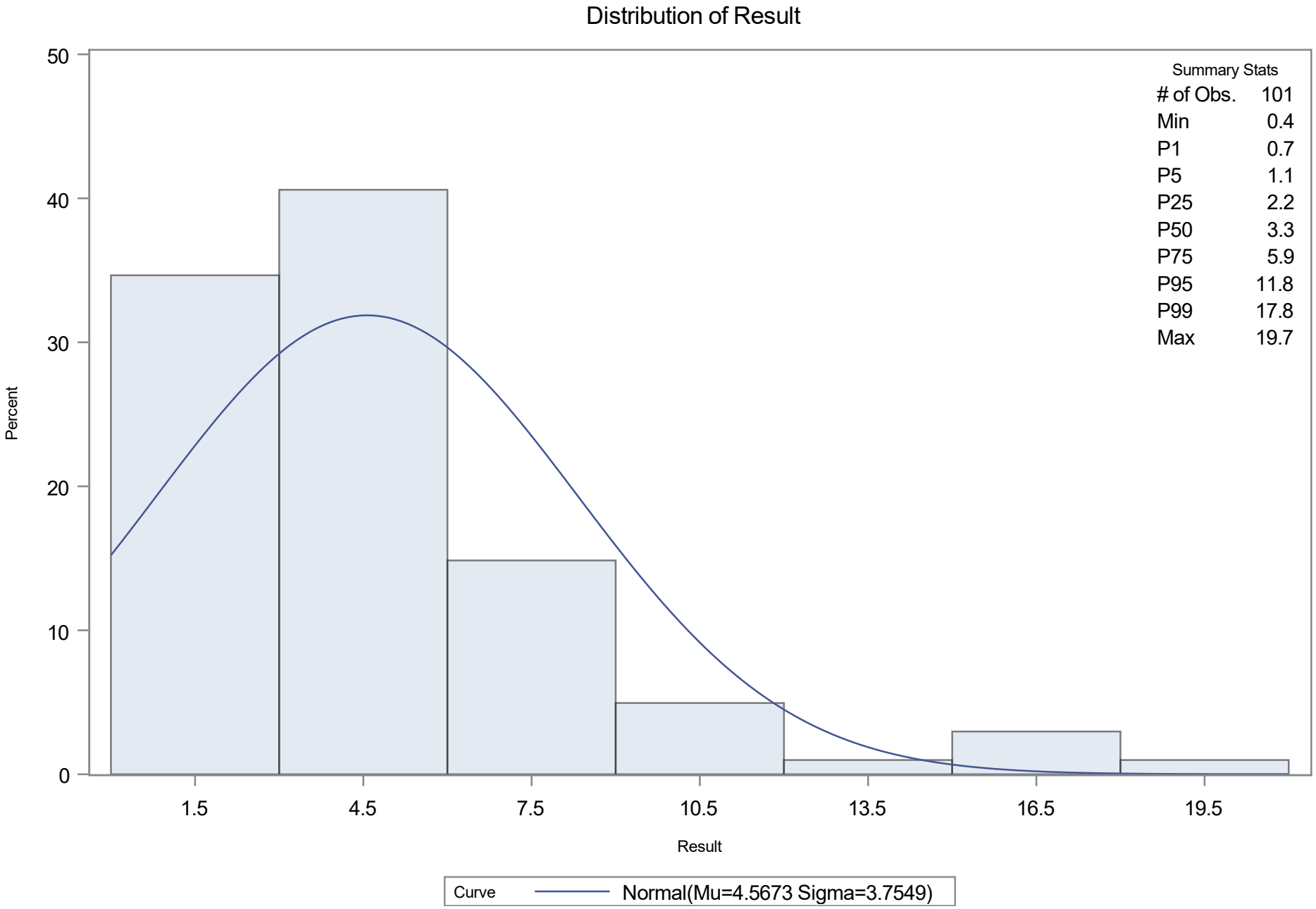

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 152
Result
250
200
150
100
50
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 165
Result
20
15
10
5
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.567327
Std Dev	Sigma	3.75492

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24432726	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.35574484	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.41859719	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.70000	-4.16792
5.0	1.10000	-1.60897
10.0	1.60000	-0.24480
25.0	2.20000	2.03467
50.0	3.30000	4.56733
75.0	5.90000	7.09998
90.0	8.70000	9.37945
95.0	11.80000	10.74362
99.0	17.80000	13.30258

Period of Record: January 1996 through December 2023
Analysis Days Only

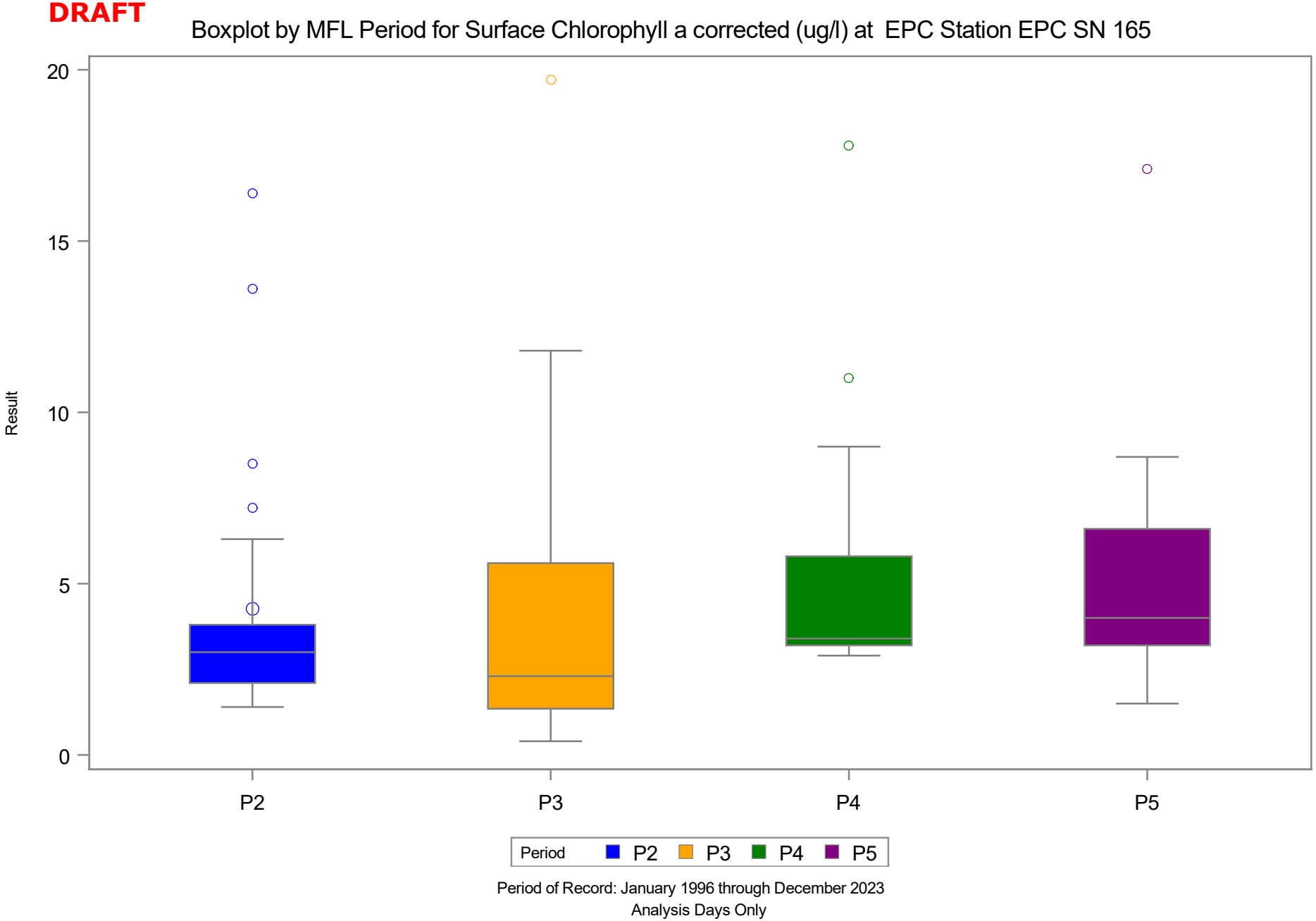
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 165

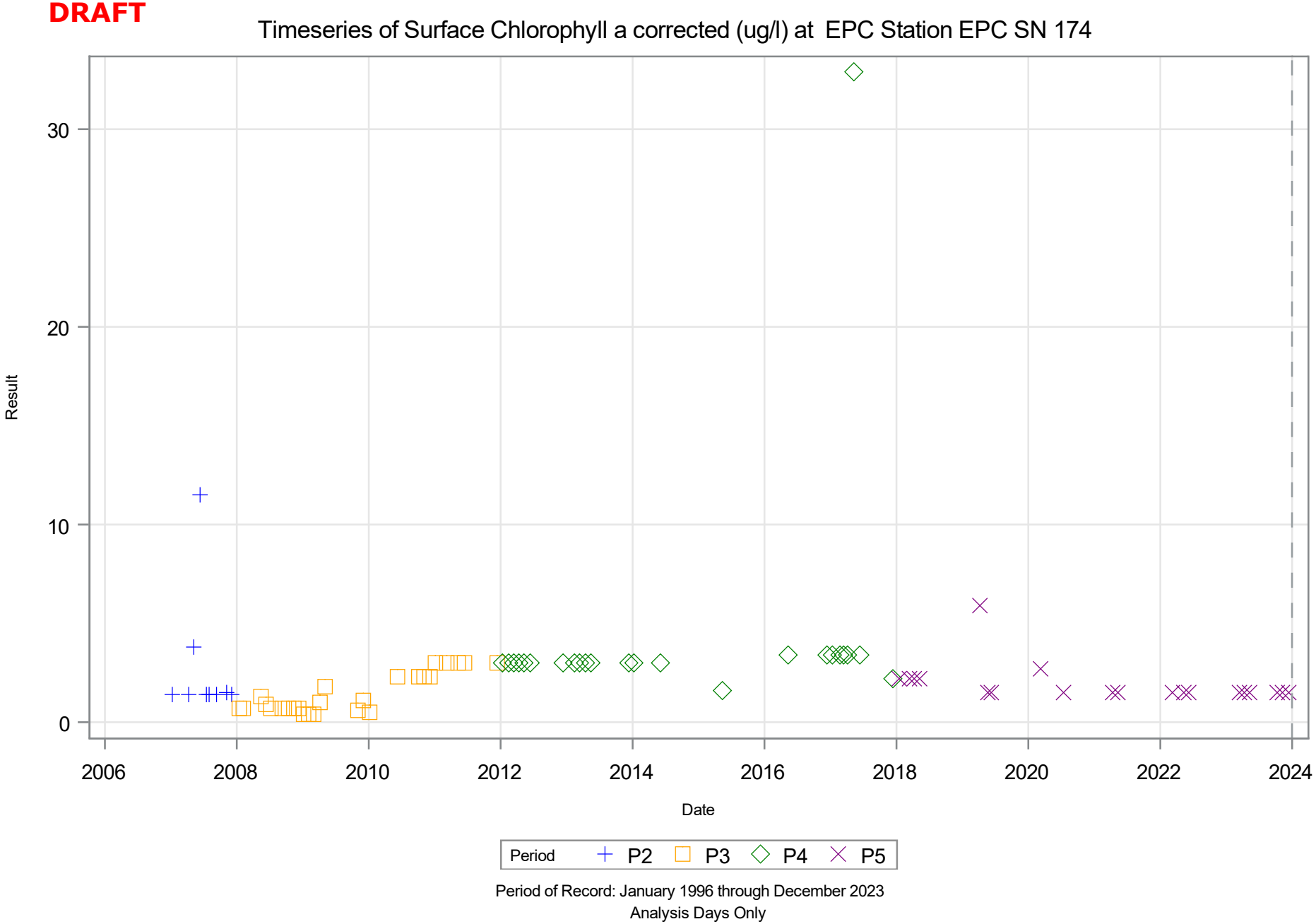
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	1.40	2.10	4.26	3.00	3.80	16.40
P3	28	0.40	1.35	4.16	2.30	5.60	19.70
P4	26	2.90	3.20	4.93	3.40	5.80	17.80
P5	21	1.50	3.20	5.04	4.00	6.60	17.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

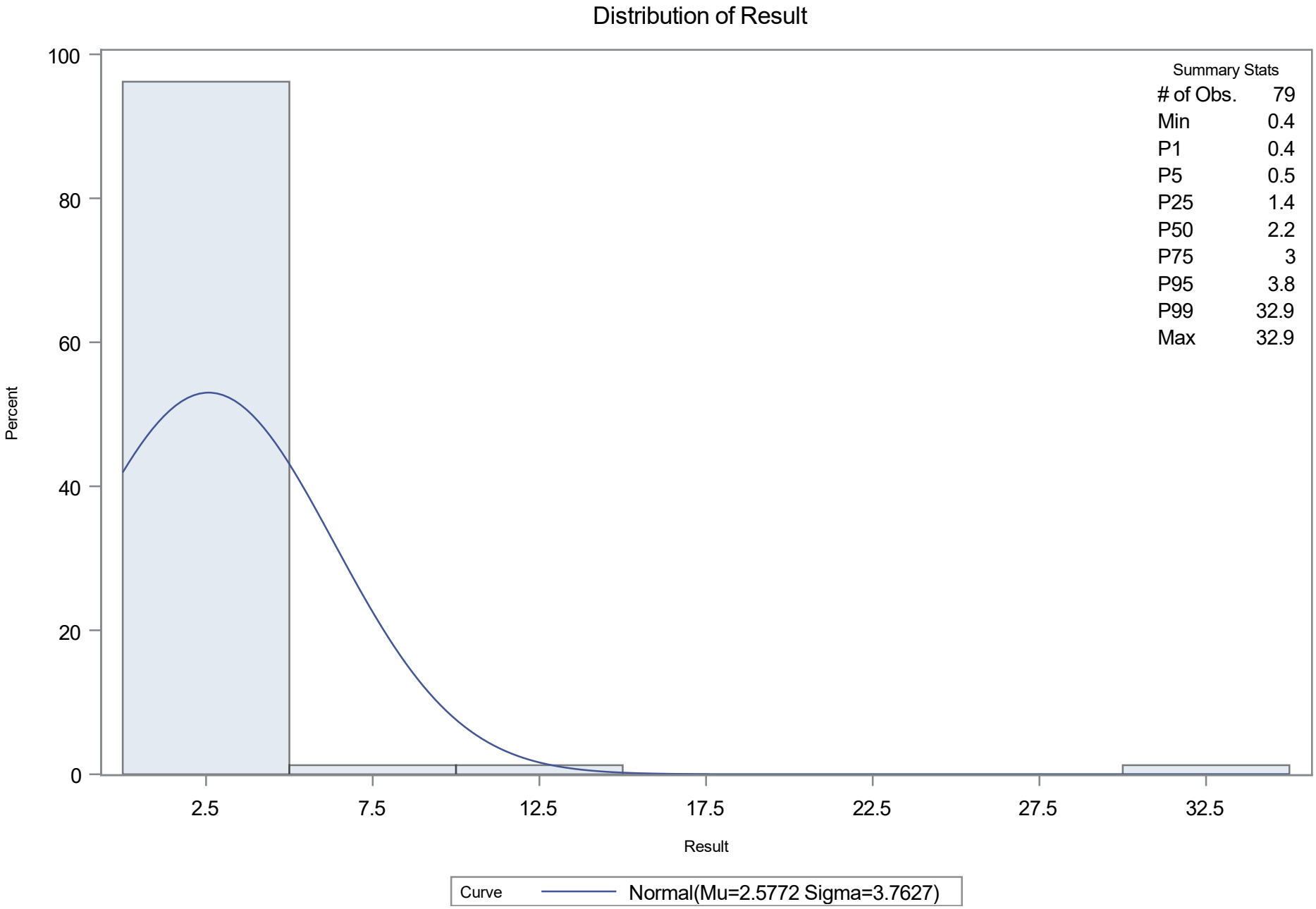

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 165
Result
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 174
Result
30
20
10
0
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.577215
Std Dev	Sigma	3.762669

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3628204	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.6521660	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.0538795	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.40000	-6.17606
5.0	0.50000	-3.61182
10.0	0.70000	-2.24484
25.0	1.40000	0.03933
50.0	2.20000	2.57722
75.0	3.00000	5.11510
90.0	3.40000	7.39927
95.0	3.80000	8.76626
99.0	32.90000	11.33049

Period of Record: January 1996 through December 2023
Analysis Days Only

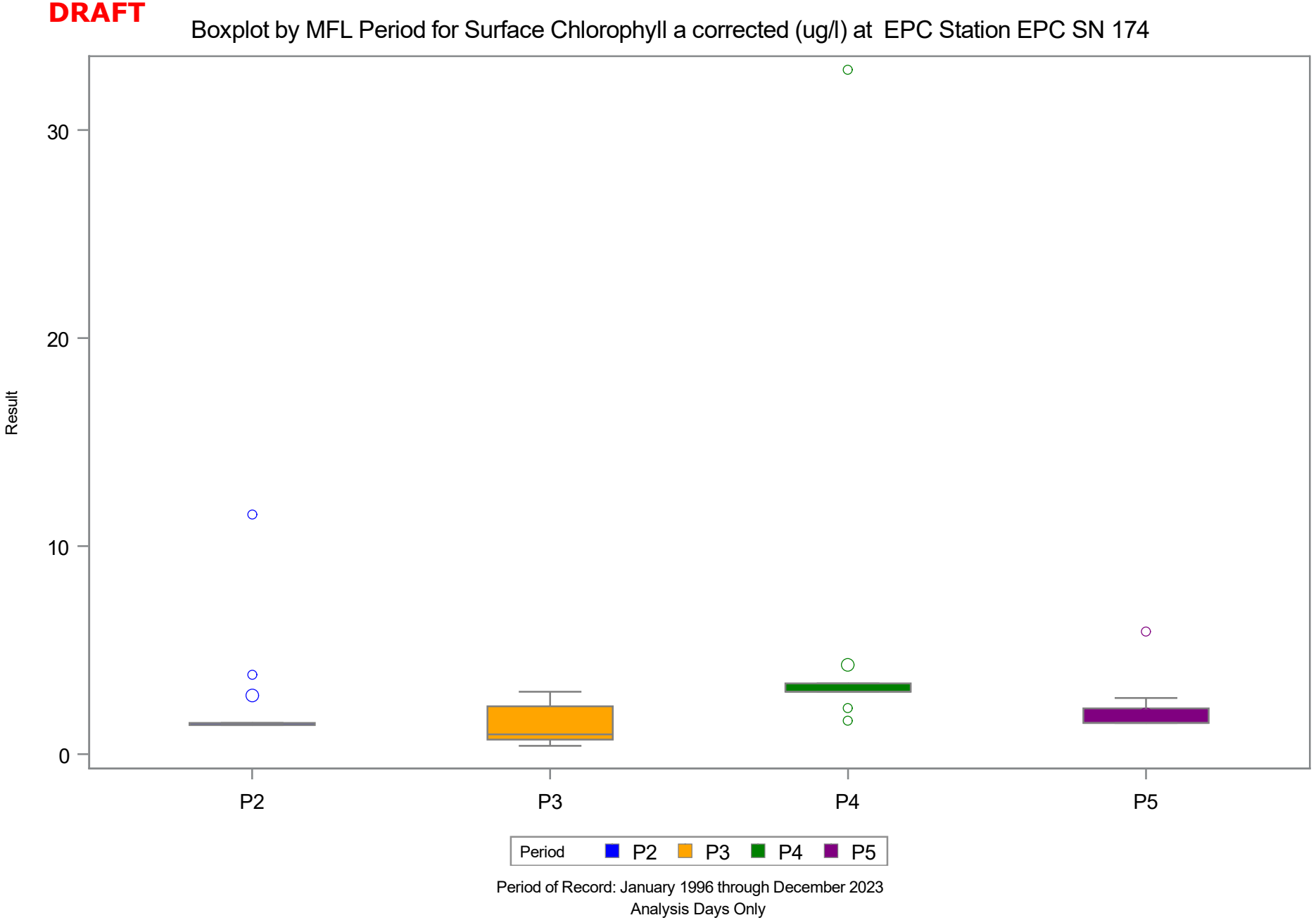
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 174

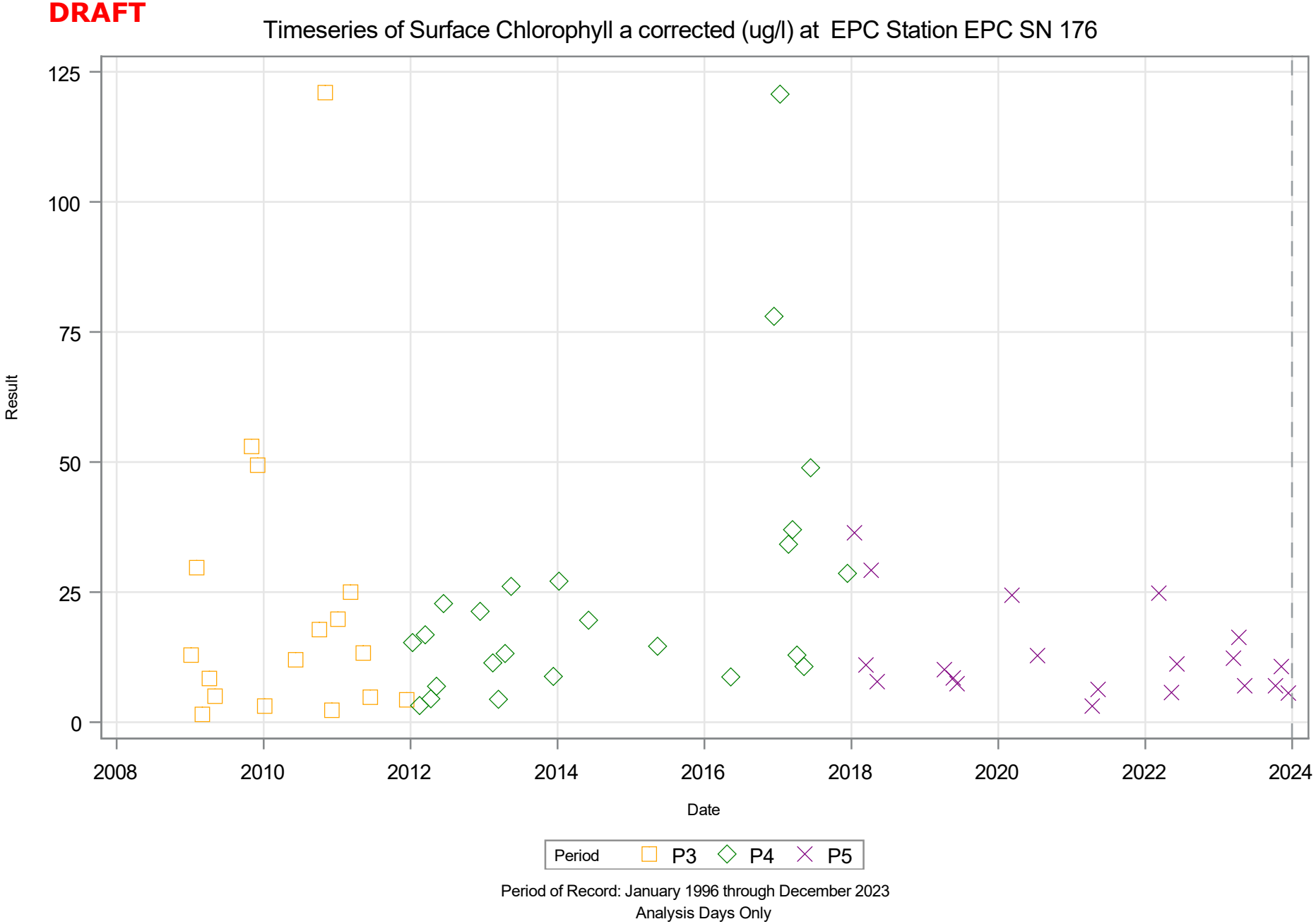
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	9	1.40	1.40	2.80	1.40	1.50	11.50
P3	26	0.40	0.70	1.44	0.95	2.30	3.00
P4	24	1.60	3.00	4.27	3.00	3.40	32.90
P5	20	1.50	1.50	1.92	1.50	2.20	5.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

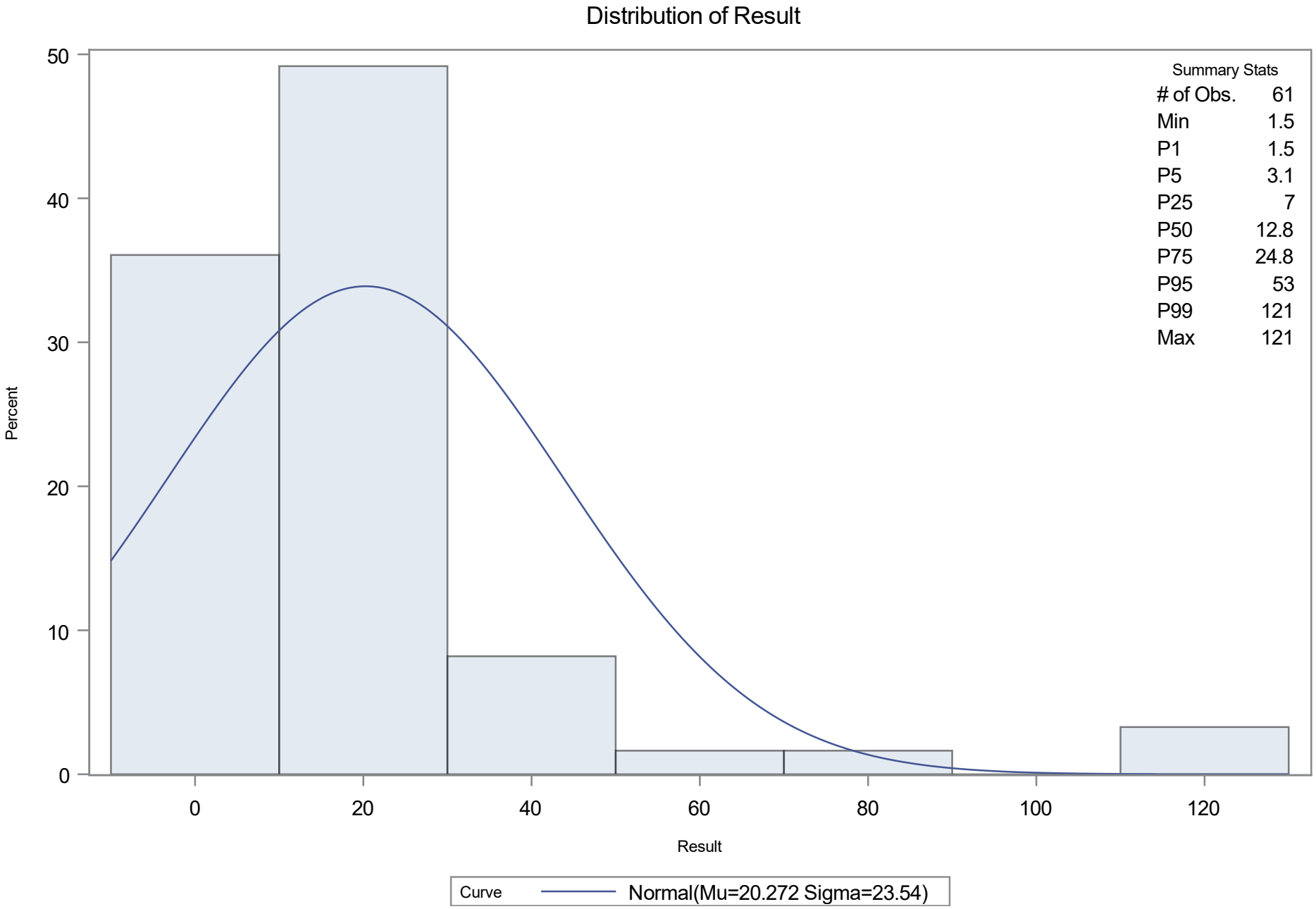

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 174
Result
30
20
10
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 176
Result
125
100
75
50
25
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20.27213
Std Dev	Sigma	23.54036

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21259642	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.06963191	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.09748540	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.50000	-34.49093
5.0	3.10000	-18.44831
10.0	4.40000	-9.89605
25.0	7.00000	4.39440
50.0	12.80000	20.27213
75.0	24.80000	36.14986
90.0	37.00000	50.44031
95.0	53.00000	58.99257
99.0	121.00000	75.03519

Period of Record: January 1996 through December 2023
Analysis Days Only

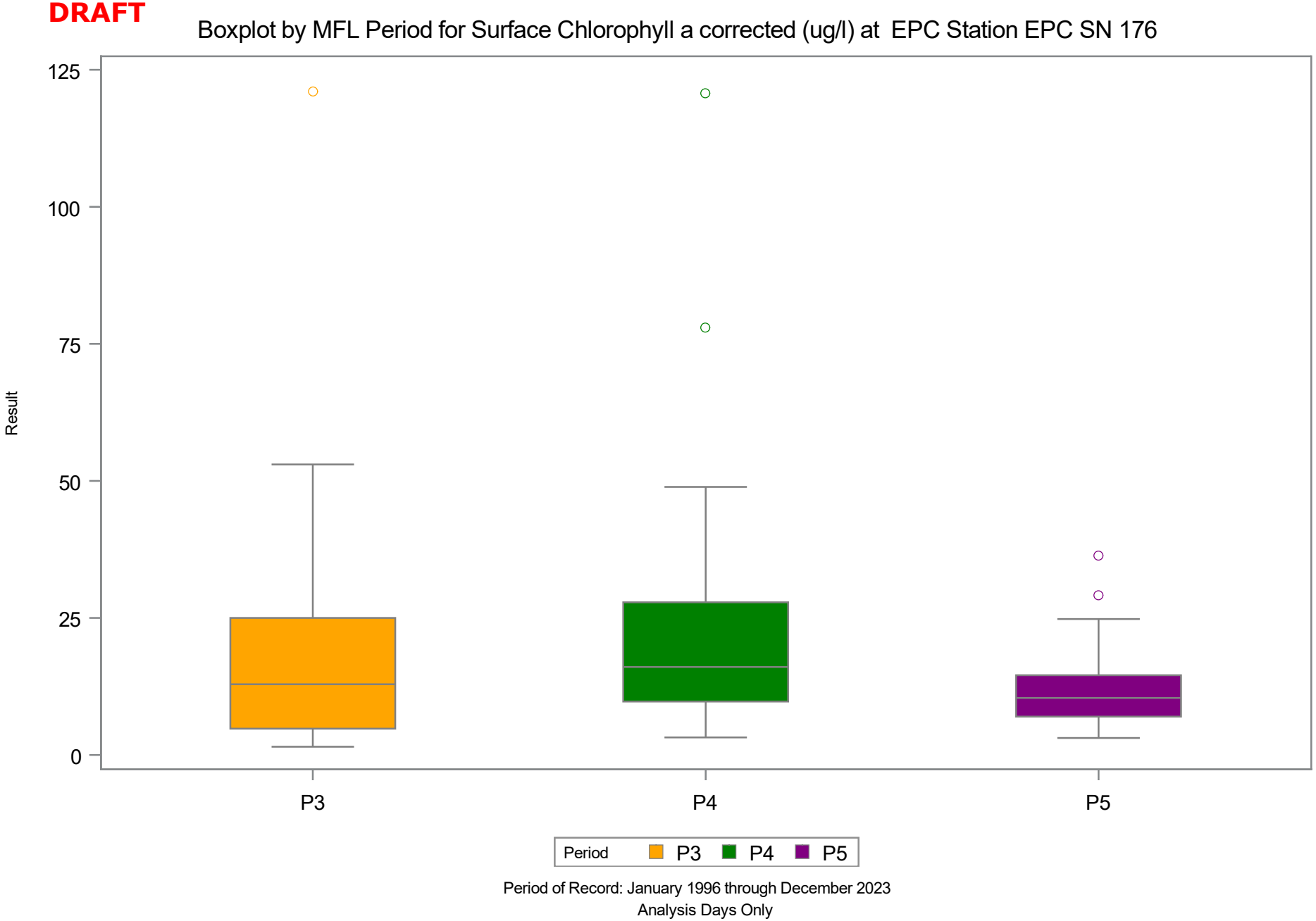
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 176

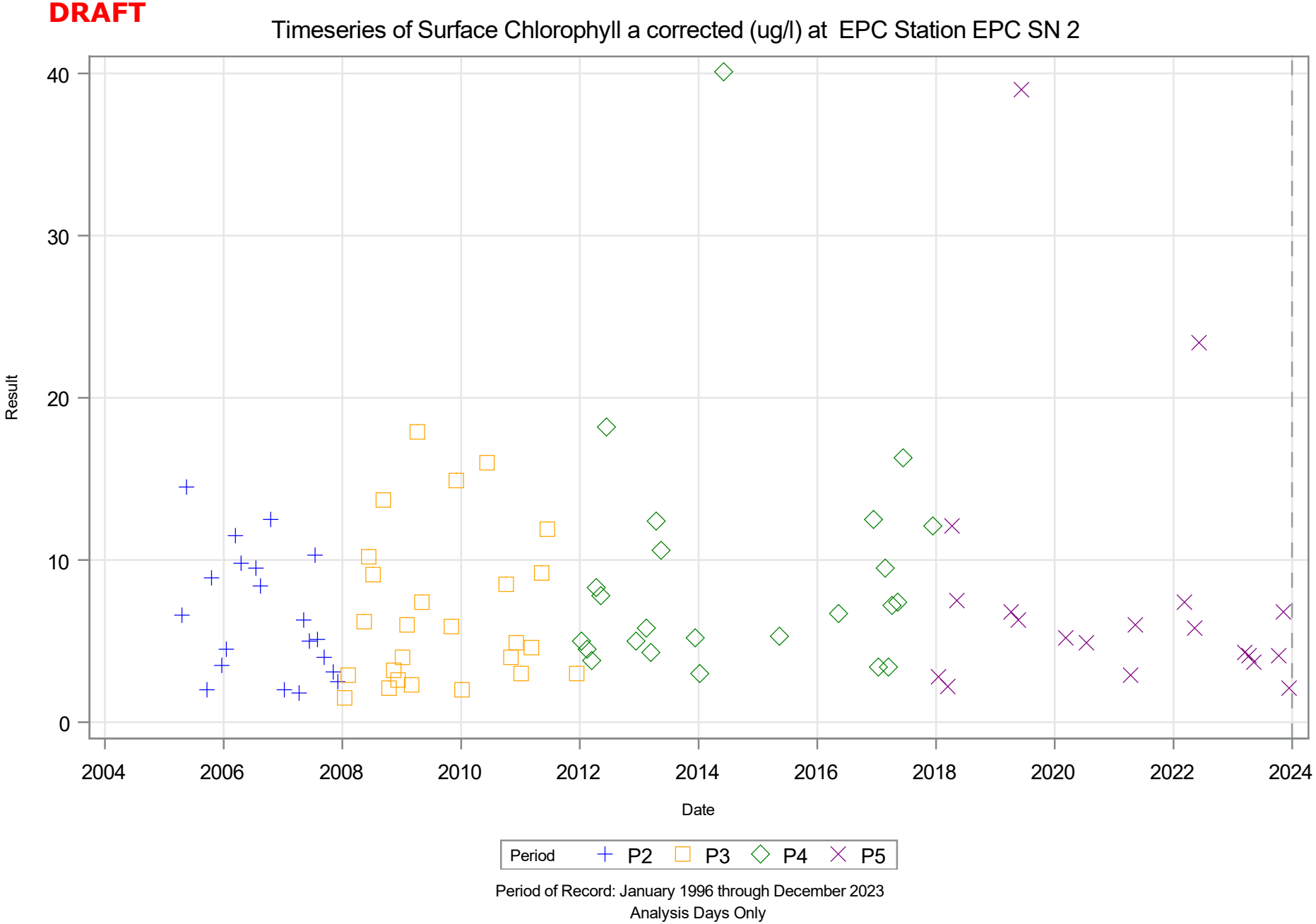
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	1.50	4.80	22.55	12.90	25.00	121.00
P4	24	3.20	9.75	24.82	16.05	27.85	120.70
P5	20	3.10	7.00	12.88	10.40	14.55	36.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

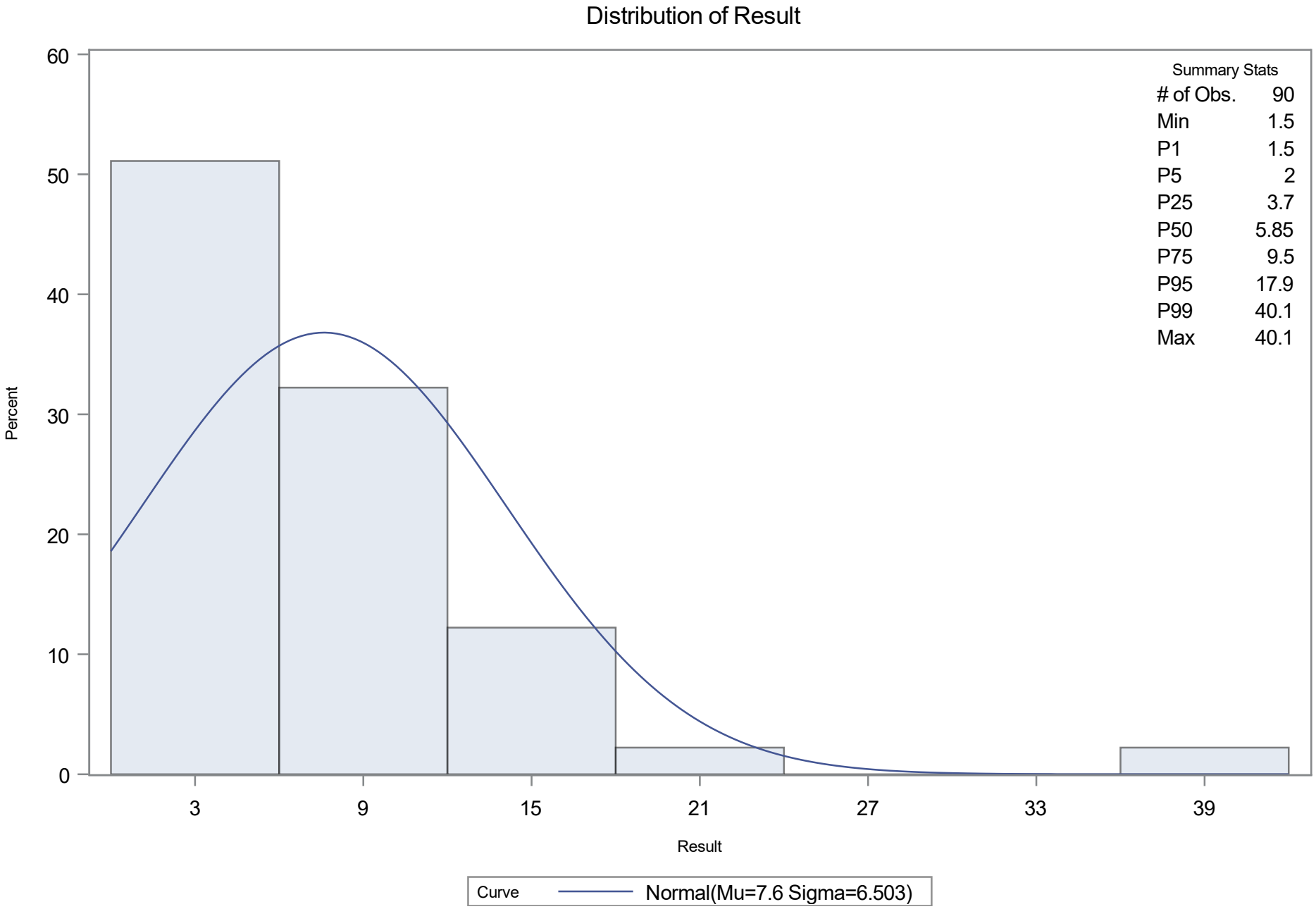

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 176
125
100
75
50
25
0
Result
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 2
Result
40
30
20
10
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.6
Std Dev	Sigma	6.503033

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17511443	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.97330055	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.82132196	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.50000	-7.52832
5.0	2.00000	-3.09654
10.0	2.40000	-0.73397
25.0	3.70000	3.21377
50.0	5.85000	7.60000
75.0	9.50000	11.98623
90.0	14.10000	15.93397
95.0	17.90000	18.29654
99.0	40.10000	22.72832

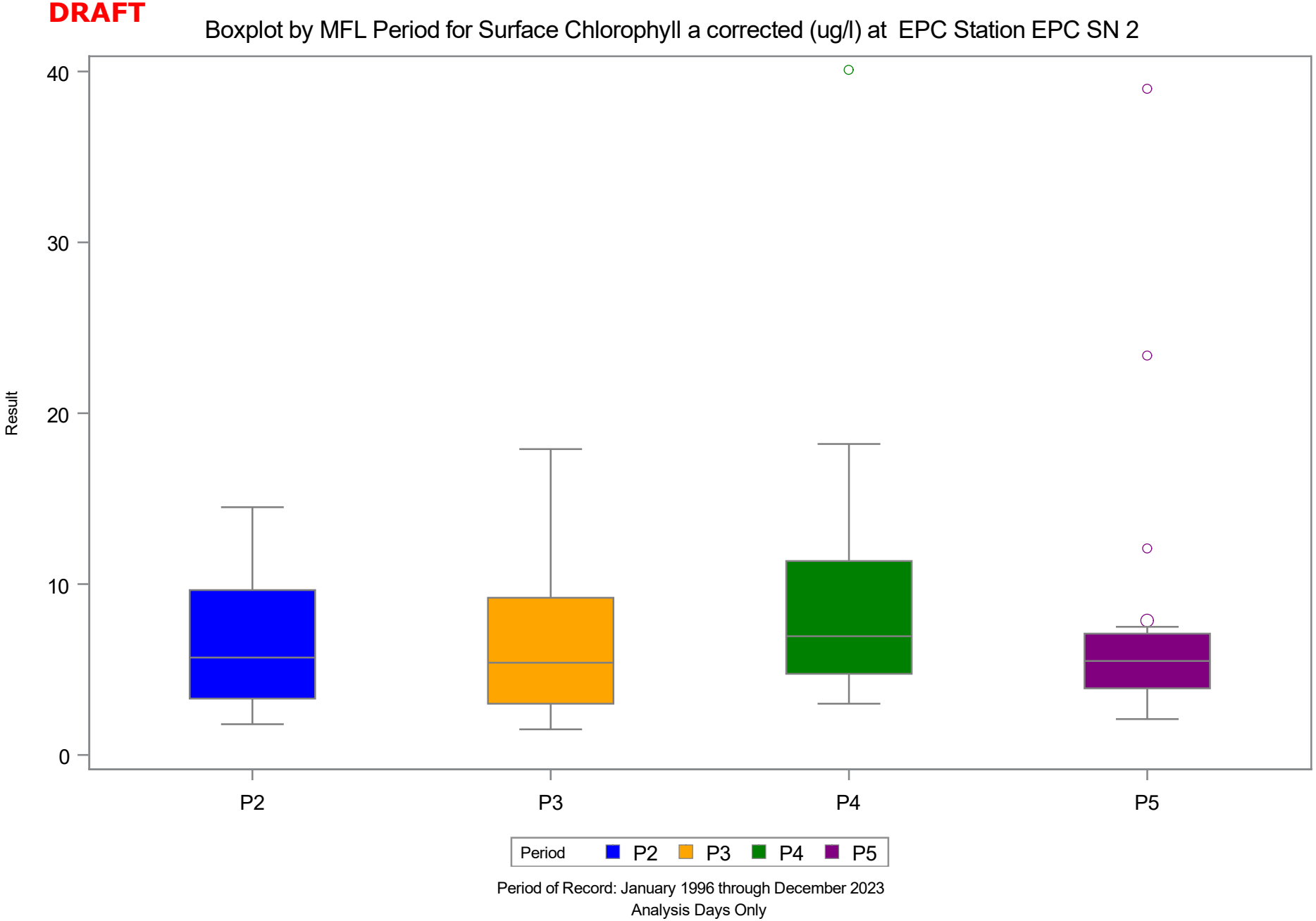
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 2**

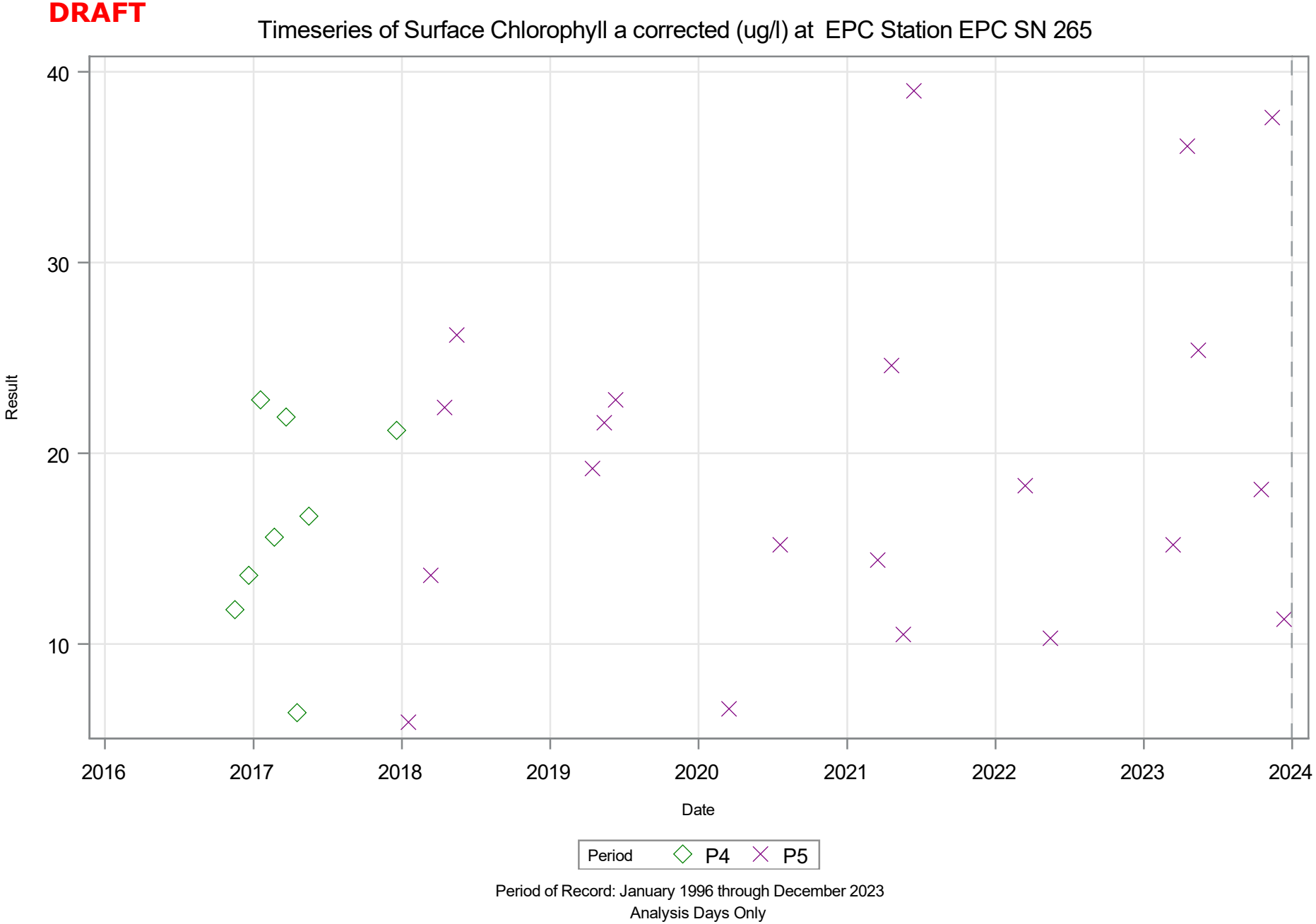
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	1.80	3.30	6.59	5.70	9.65	14.50
P3	26	1.50	3.00	6.81	5.40	9.20	17.90
P4	24	3.00	4.75	9.08	6.95	11.35	40.10
P5	20	2.10	3.90	7.87	5.50	7.10	39.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

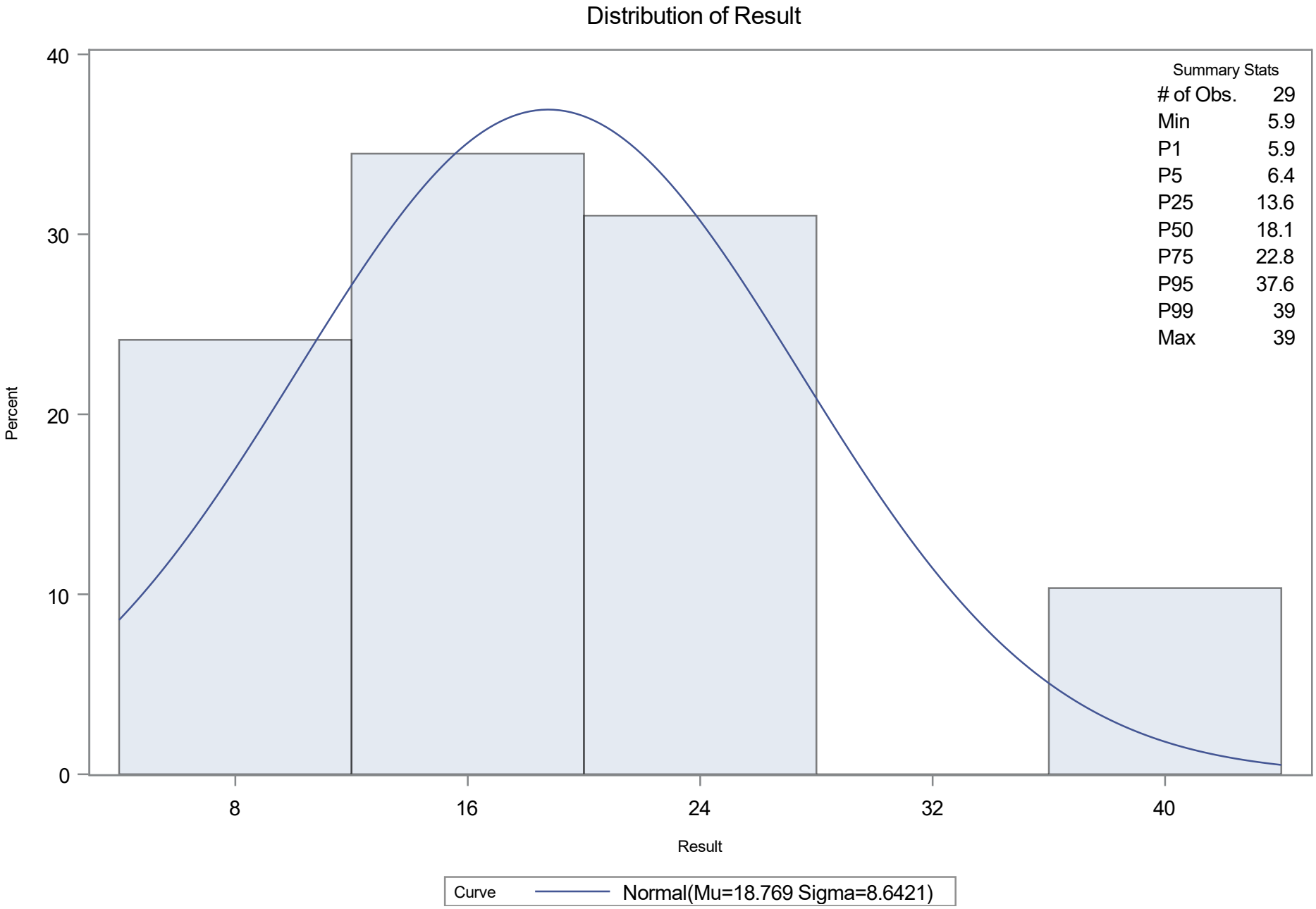

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 2
Result
40
30
20
10
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 265
Result
40
30
20
10
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.76897
Std Dev	Sigma	8.642053

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11355227	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06391638	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.53898875	**Pr > A-Sq**	0.157

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.90000	-1.33546
5.0	6.40000	4.55405
10.0	6.60000	7.69373
25.0	13.60000	12.93999
50.0	18.10000	18.76897
75.0	22.80000	24.59794
90.0	36.10000	29.84420
95.0	37.60000	32.98388
99.0	39.00000	38.87339

Period of Record: January 1996 through December 2023
Analysis Days Only

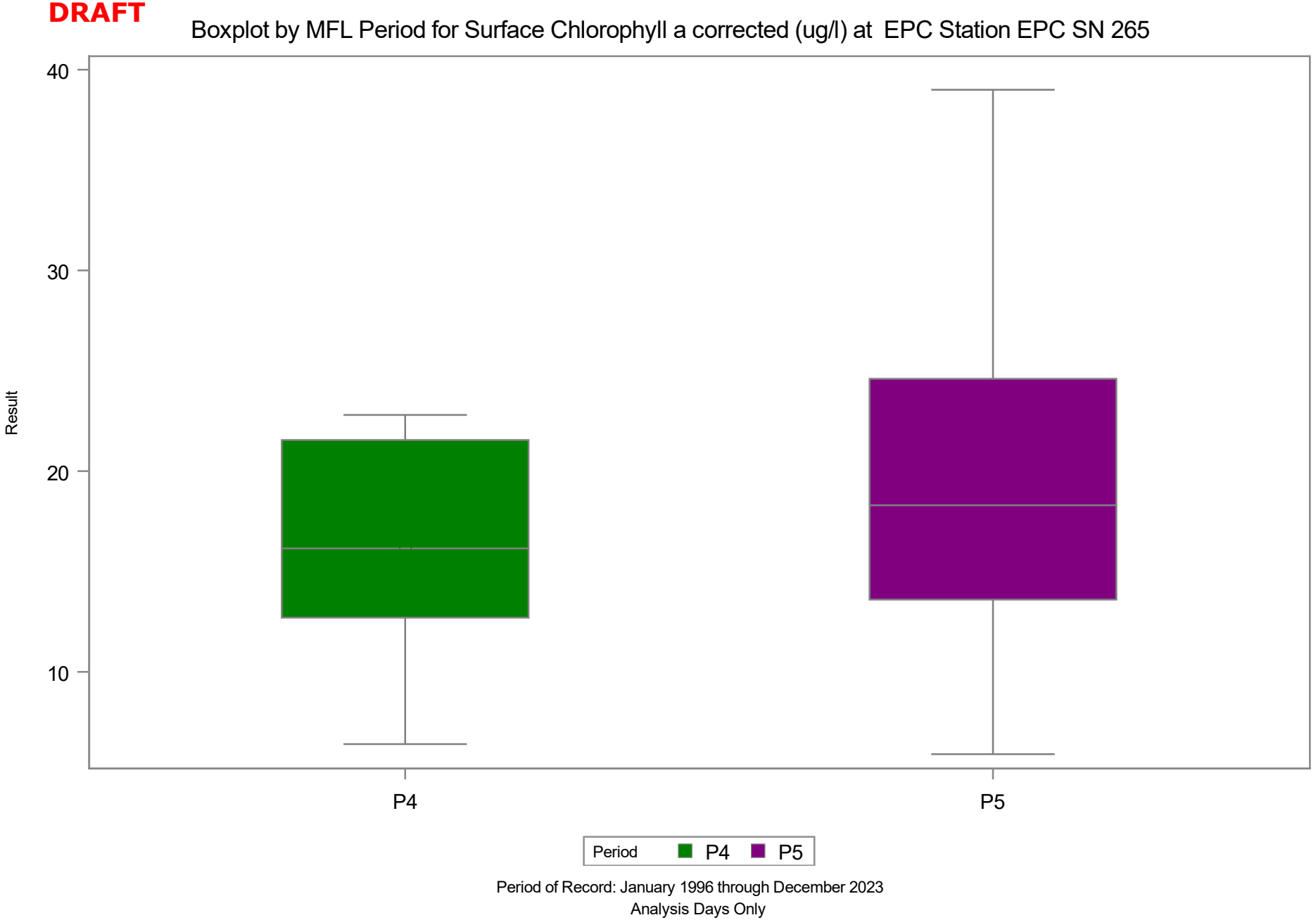
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 265

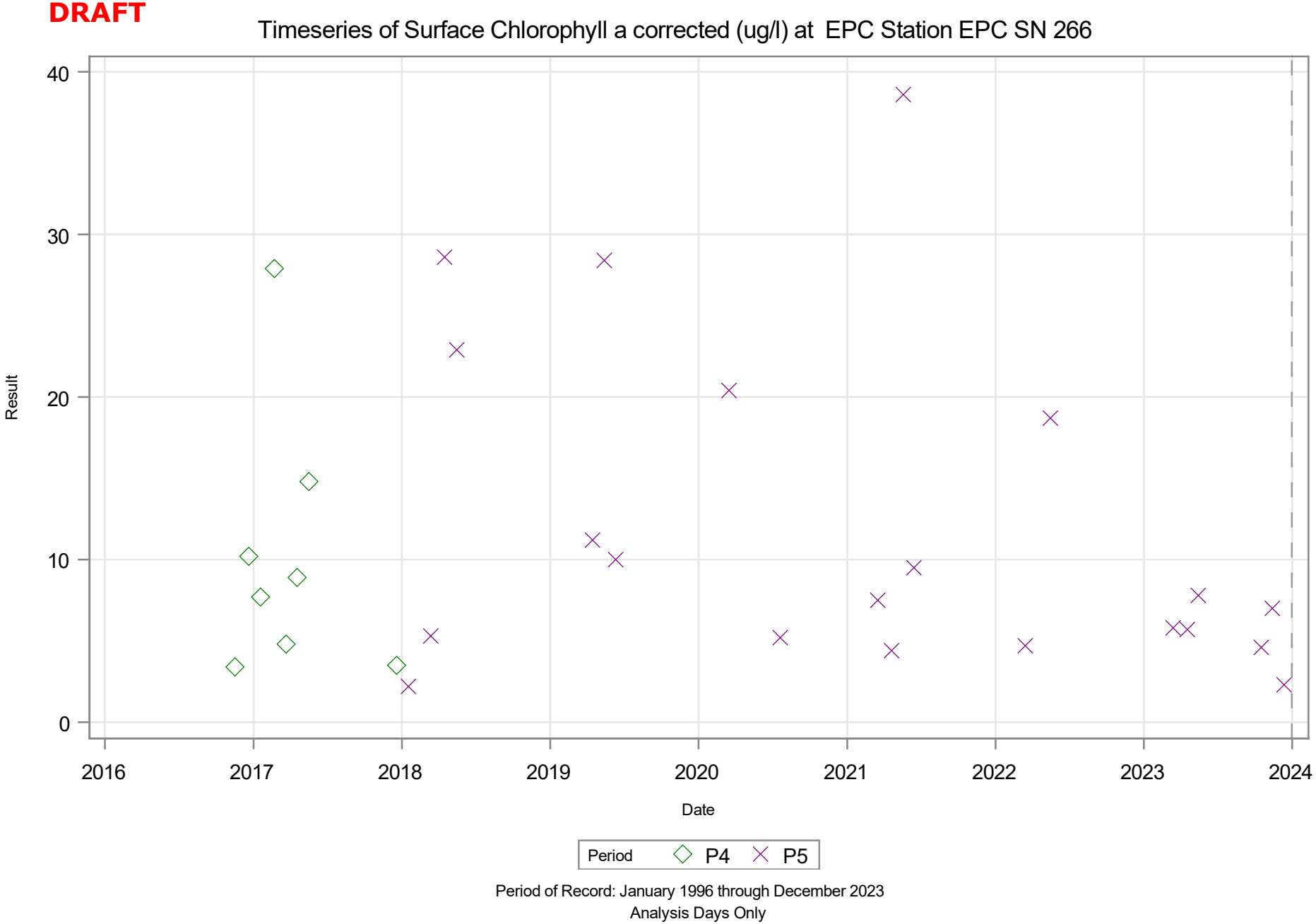
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	6.40	12.70	16.25	16.15	21.55	22.80
P5	21	5.90	13.60	19.73	18.30	24.60	39.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

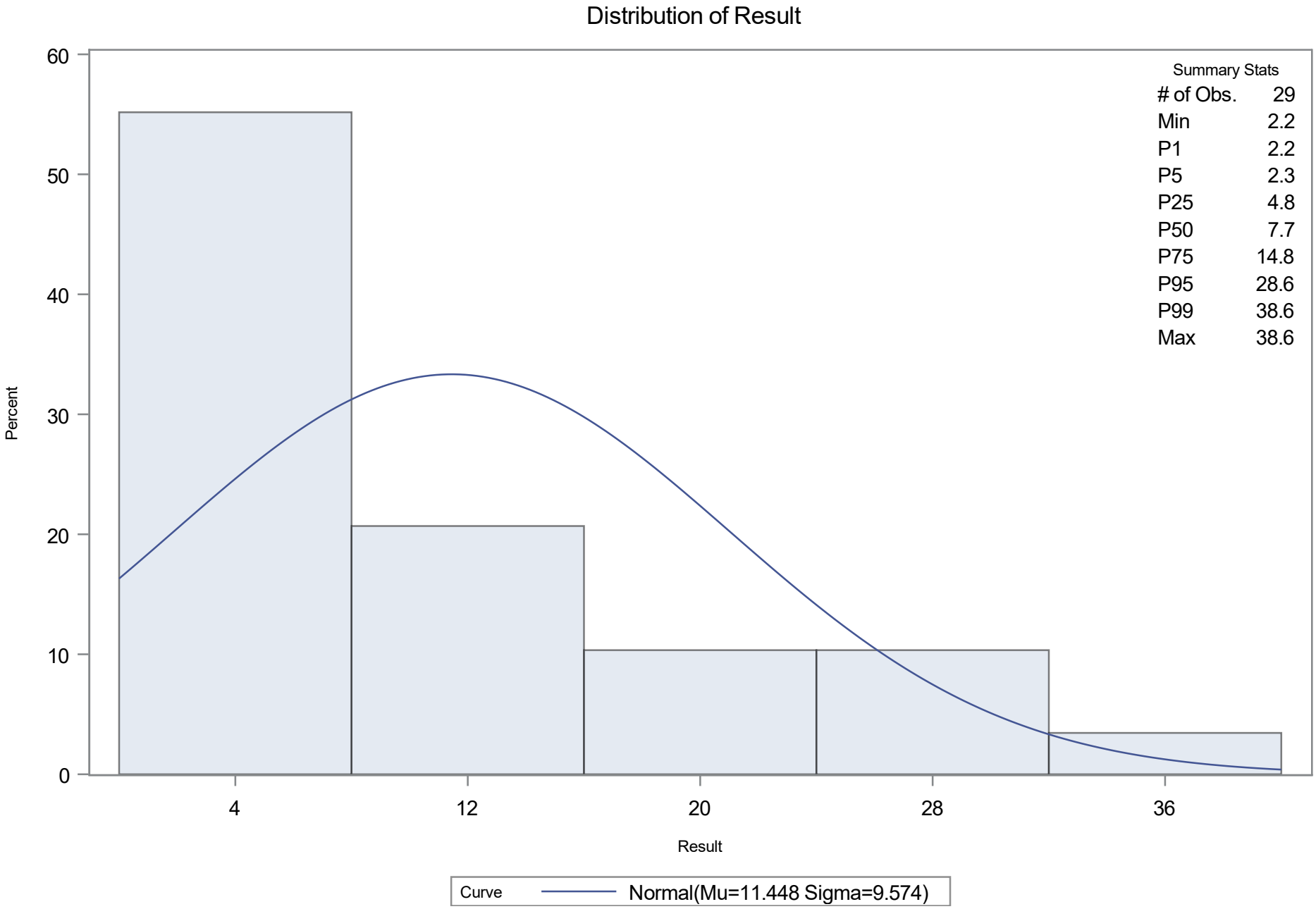

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 265
Result
40
30
20
10
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 266
Result
40
30
20
10
0
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.44828
Std Dev	Sigma	9.574021

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24152290	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.40203257	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.16704339	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.20000	-10.82423
5.0	2.30000	-4.29959
10.0	3.40000	-0.82133
25.0	4.80000	4.99070
50.0	7.70000	11.44828
75.0	14.80000	17.90585
90.0	28.40000	23.71788
95.0	28.60000	27.19614
99.0	38.60000	33.72078

Period of Record: January 1996 through December 2023
Analysis Days Only

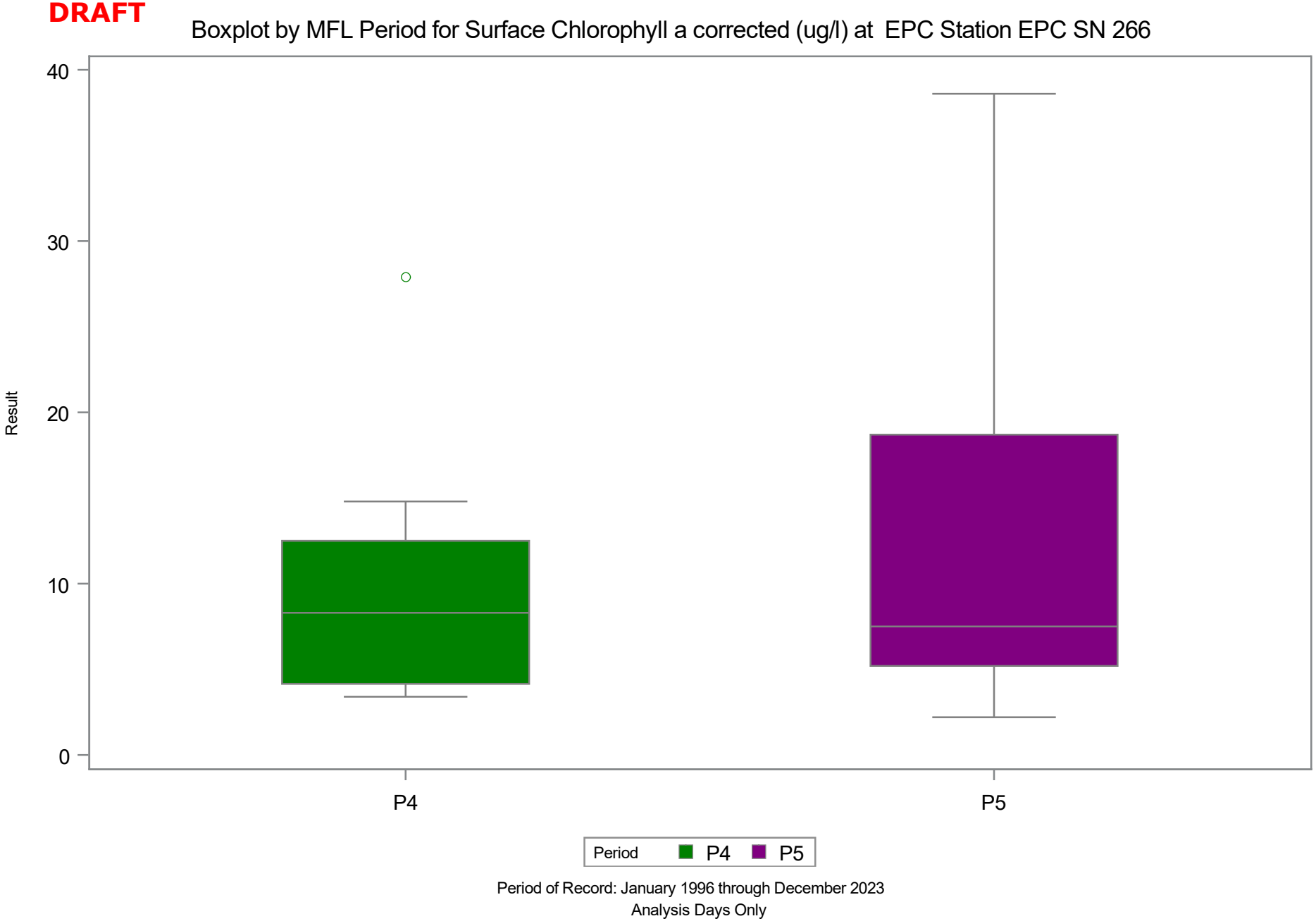
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 266

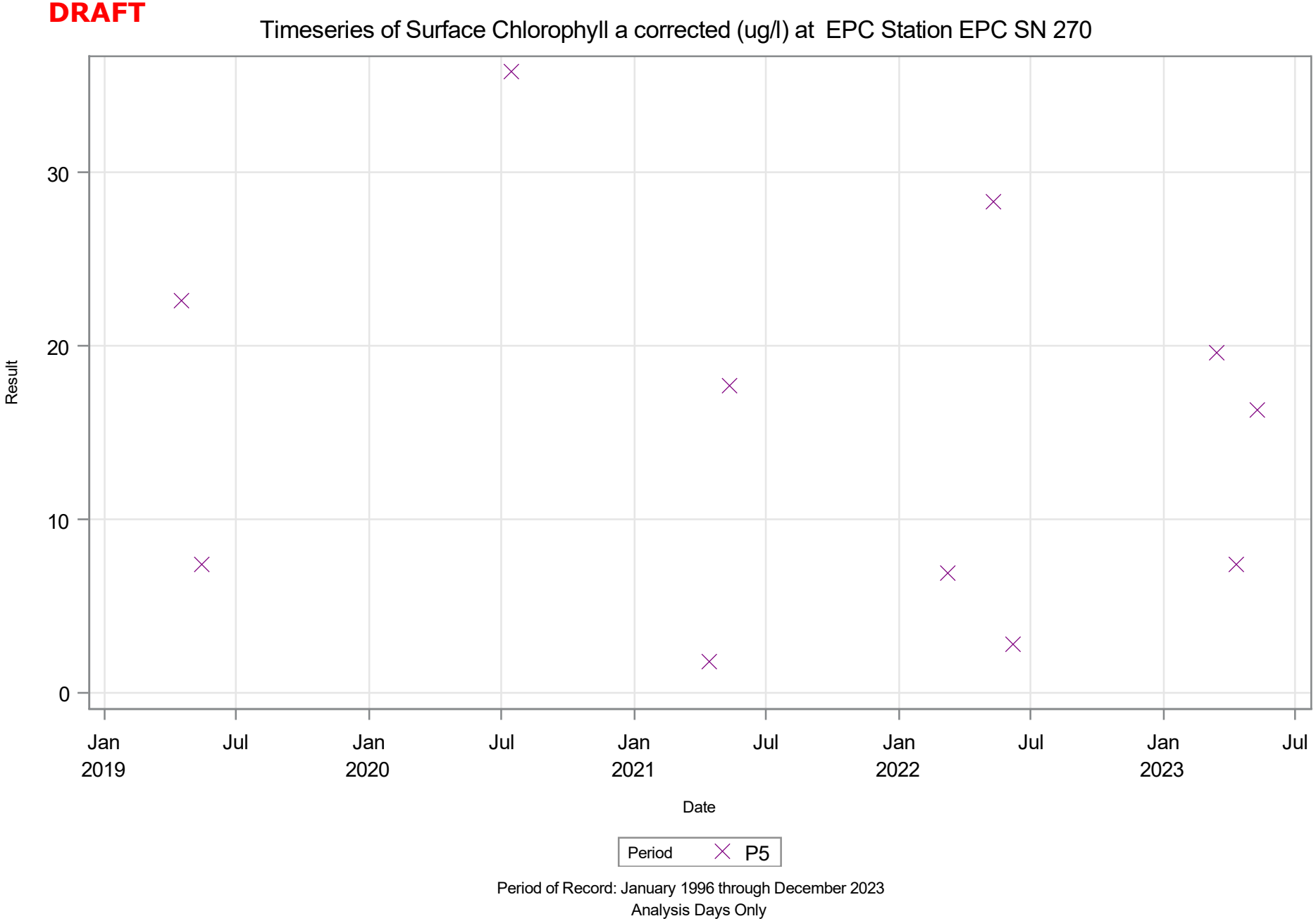
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	3.40	4.15	10.15	8.30	12.50	27.90
P5	21	2.20	5.20	11.94	7.50	18.70	38.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

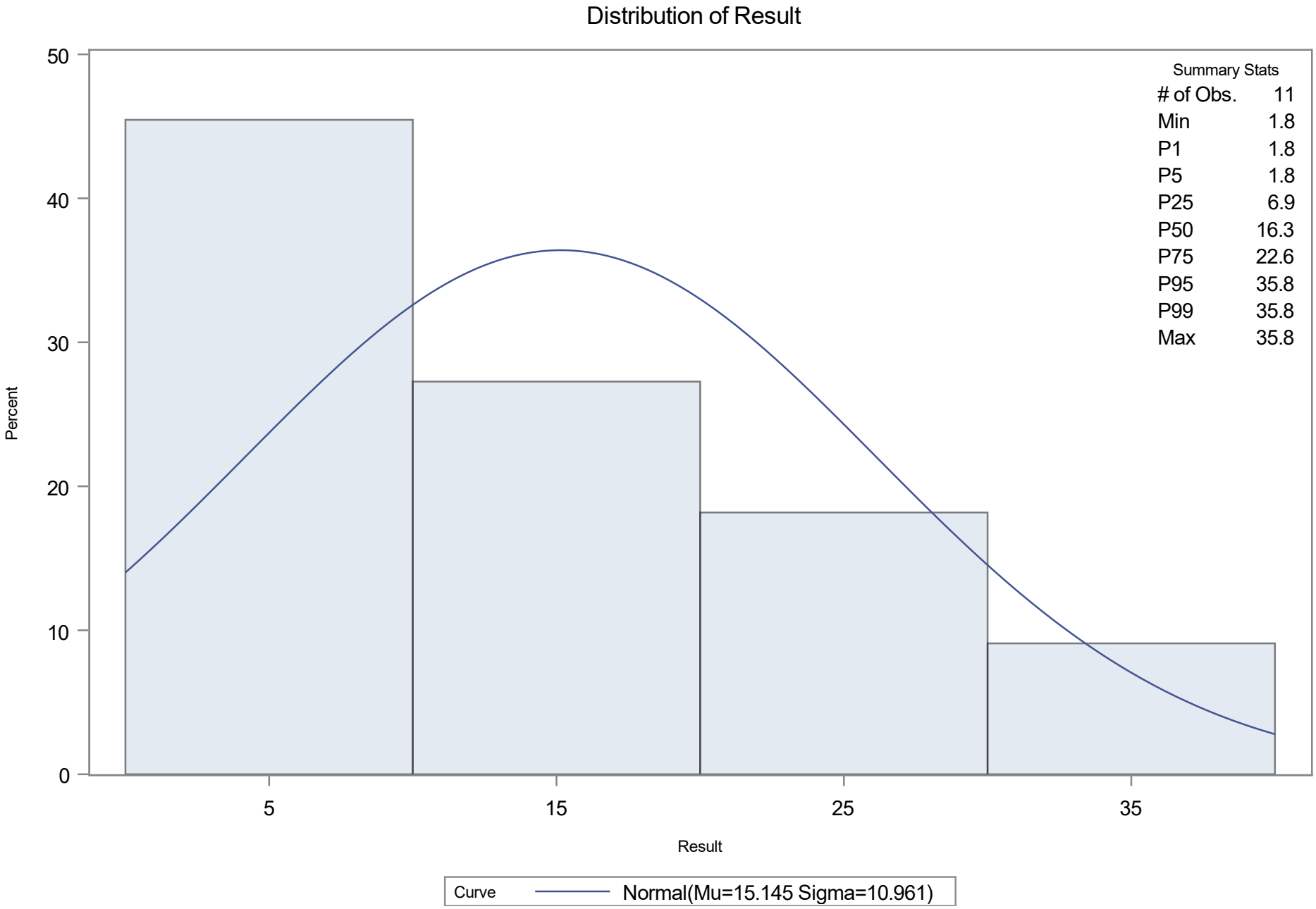

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 266
Result
40
30
20
10
0
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 270
Result
30
20
10
0
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.14545
Std Dev	Sigma	10.96087

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21465214	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05024133	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32130572	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.80000	-10.35335
5.0	1.80000	-2.88358
10.0	2.80000	1.09853
25.0	6.90000	7.75246
50.0	16.30000	15.14545
75.0	22.60000	22.53845
90.0	28.30000	29.19238
95.0	35.80000	33.17449
99.0	35.80000	40.64426

Period of Record: January 1996 through December 2023
Analysis Days Only

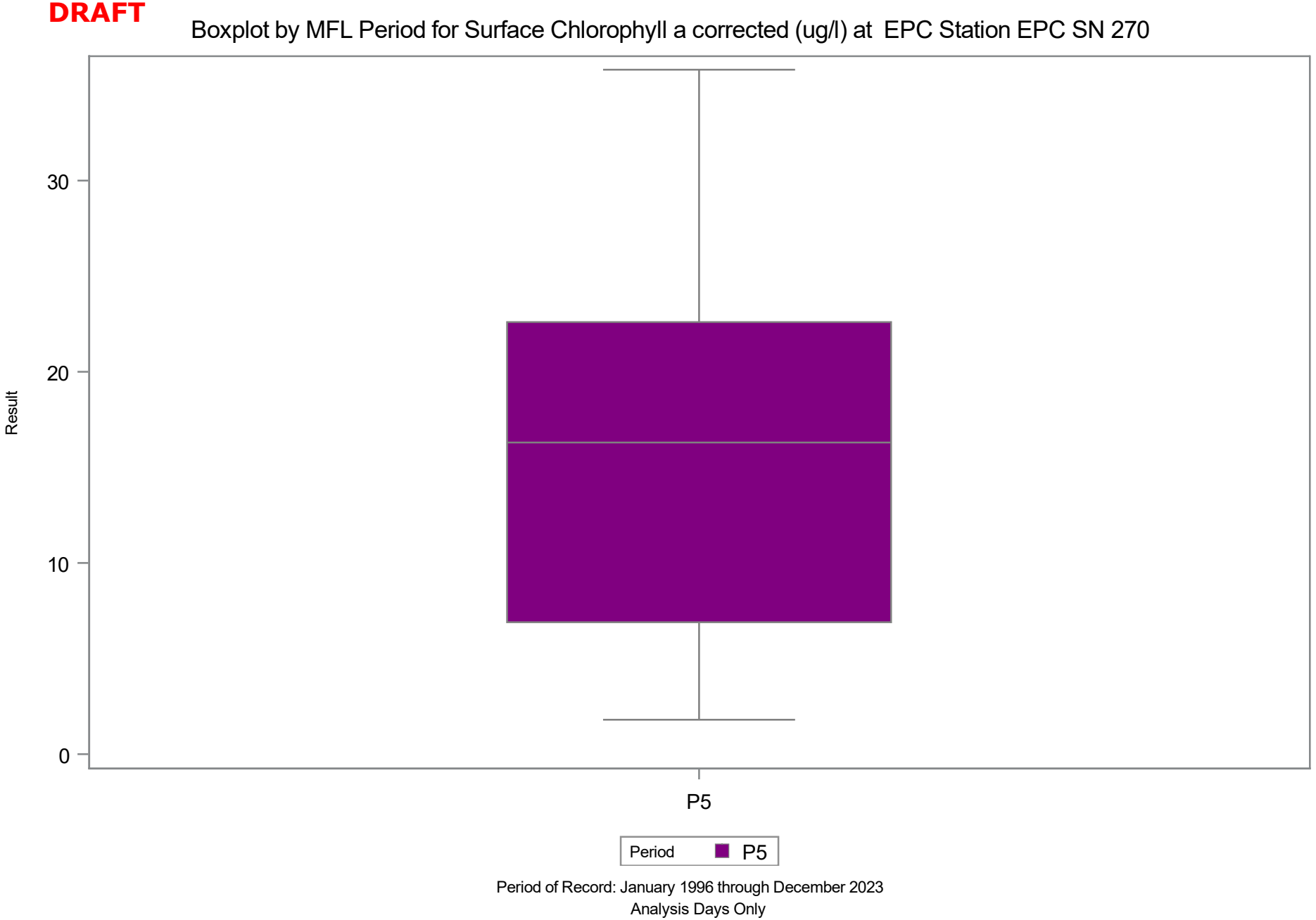
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 270

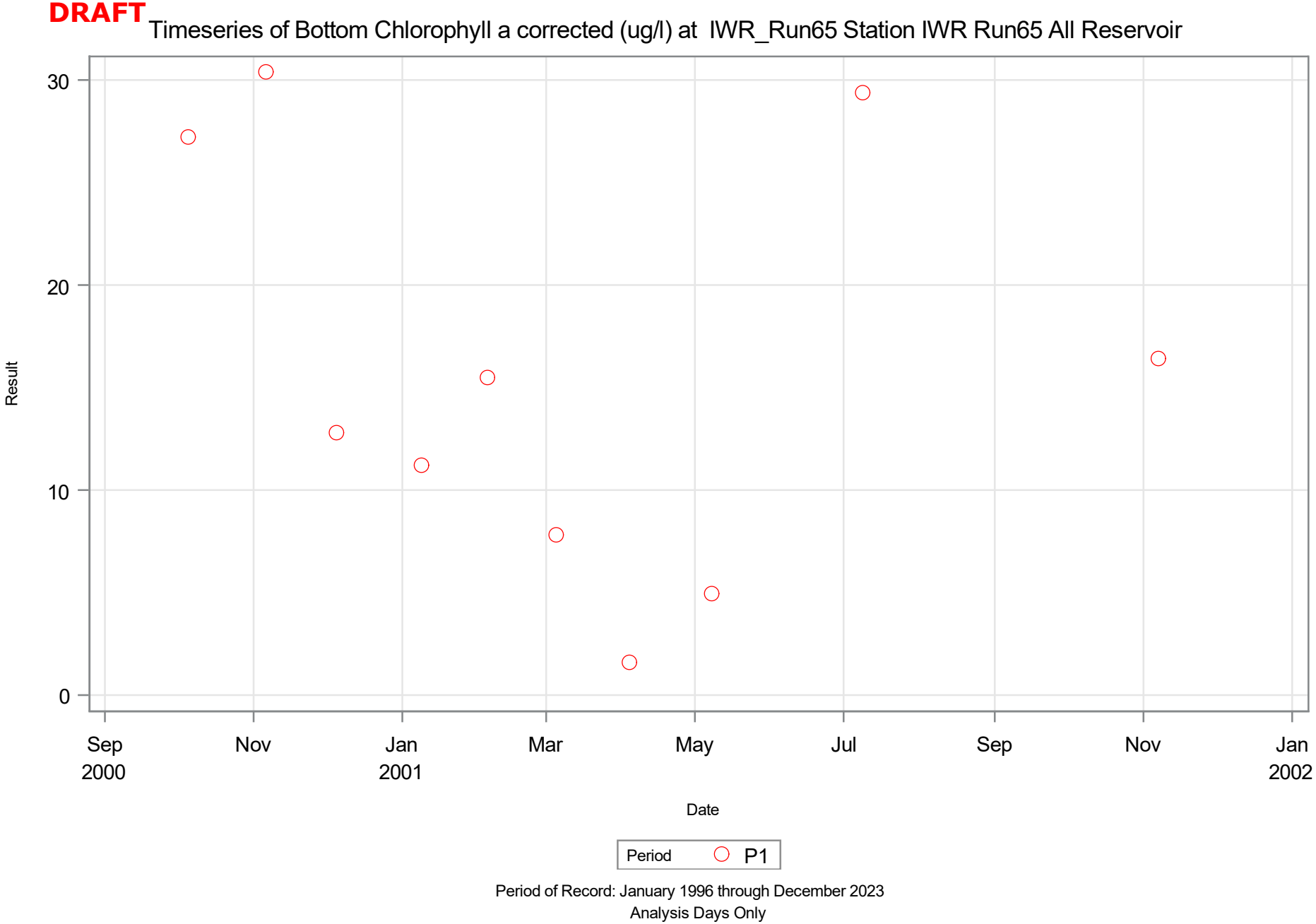
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	11	1.80	6.90	15.15	16.30	22.60	35.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

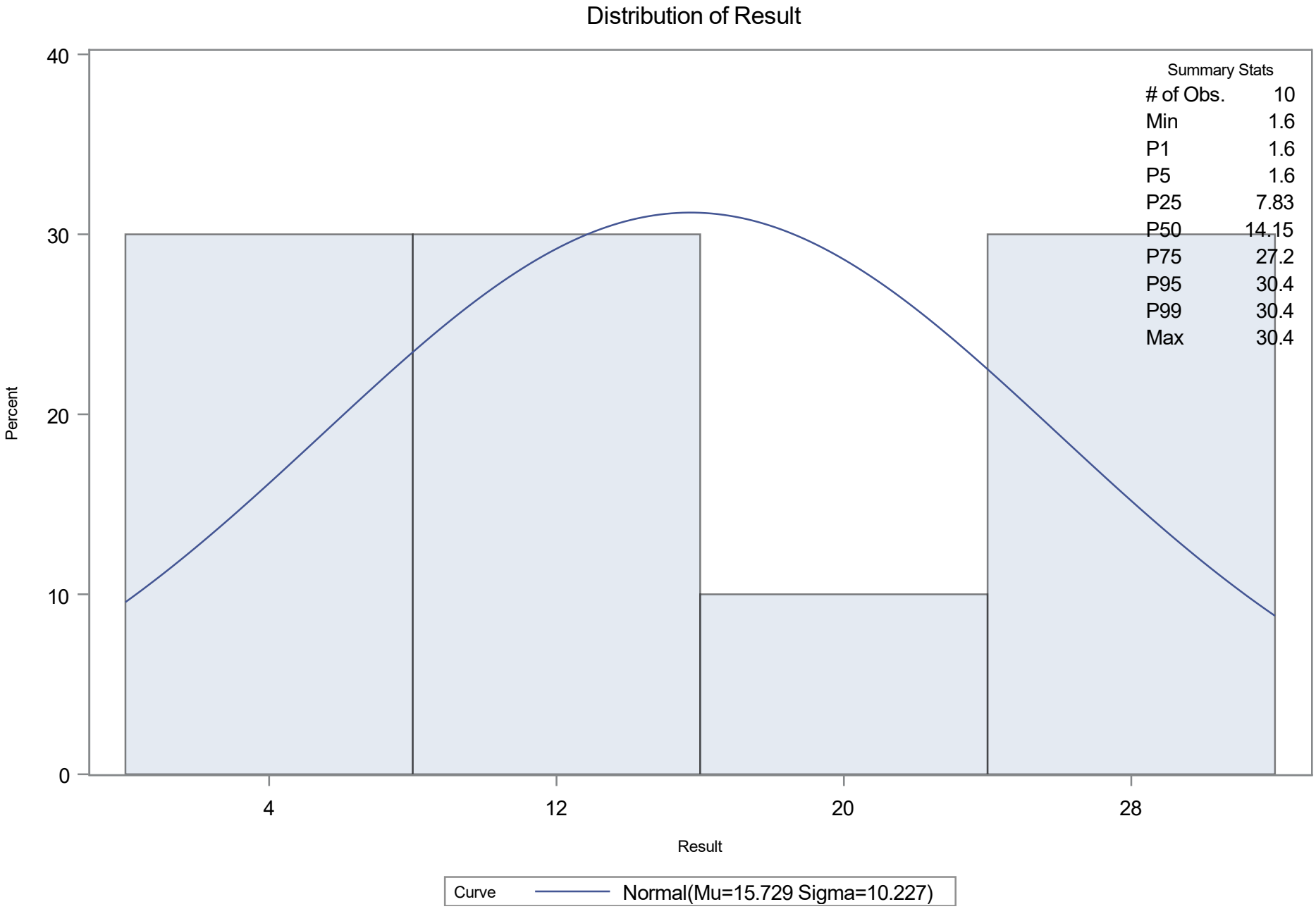

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at EPC Station EPC SN 270
Result
30
20
10
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
30
20
10
0
Sep
2000
Nov
Jan
2001
Mar
May
Jul
Sep
Nov
Jan
2002
Date
Period
P1
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.729
Std Dev	Sigma	10.2269

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17384366	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05190725	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34290157	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.60000	-8.06234
5.0	1.60000	-1.09276
10.0	3.28000	2.62270
25.0	7.83000	8.83106
50.0	14.15000	15.72900
75.0	27.20000	22.62694
90.0	29.90000	28.83530
95.0	30.40000	32.55076
99.0	30.40000	39.52034

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

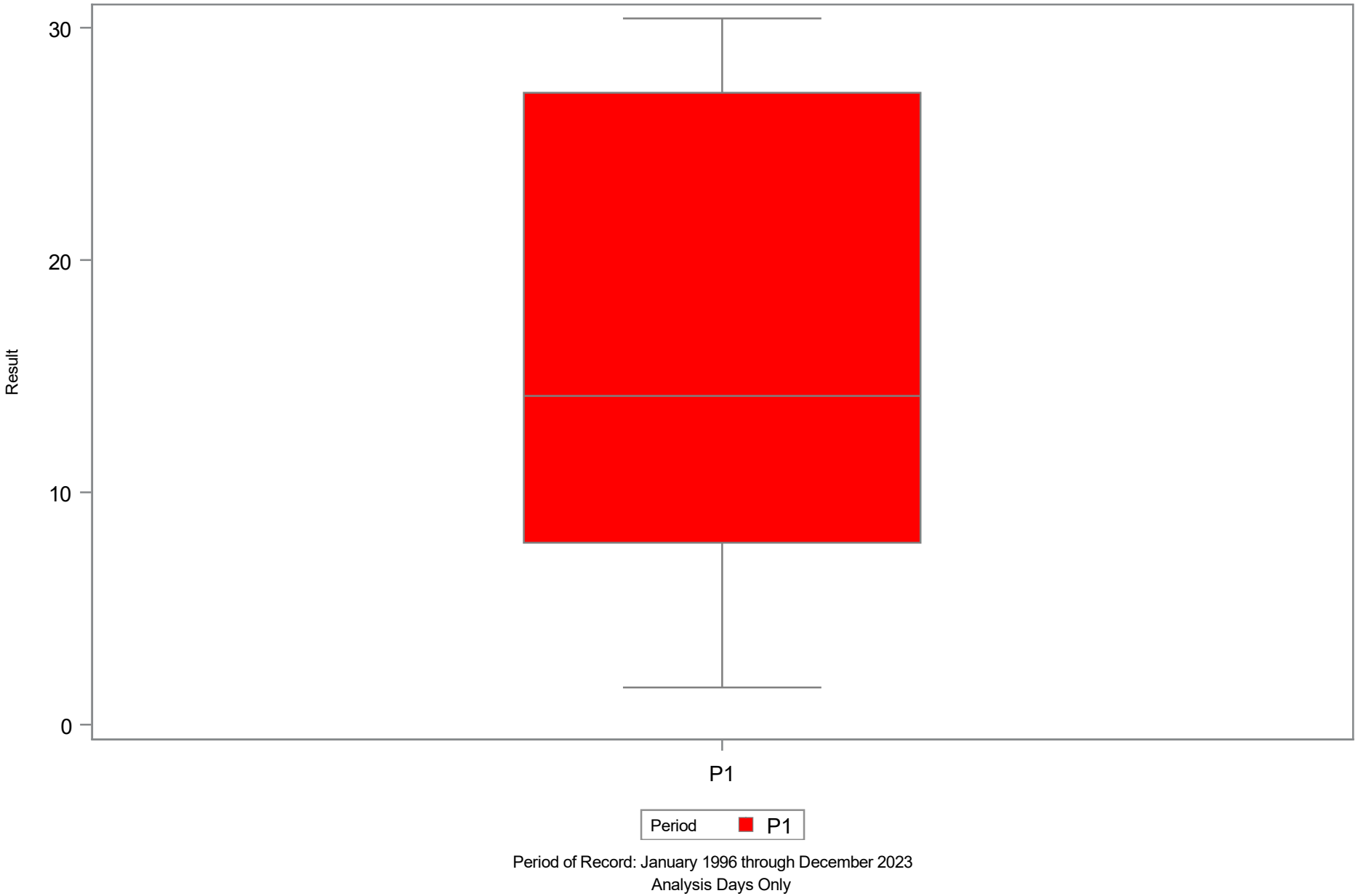
Distributional Statistics by Period for Bottom Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	10	1.60	7.83	15.73	14.15	27.20	30.40

Period of Record: January 1996 through December 2023
Analysis Days Only

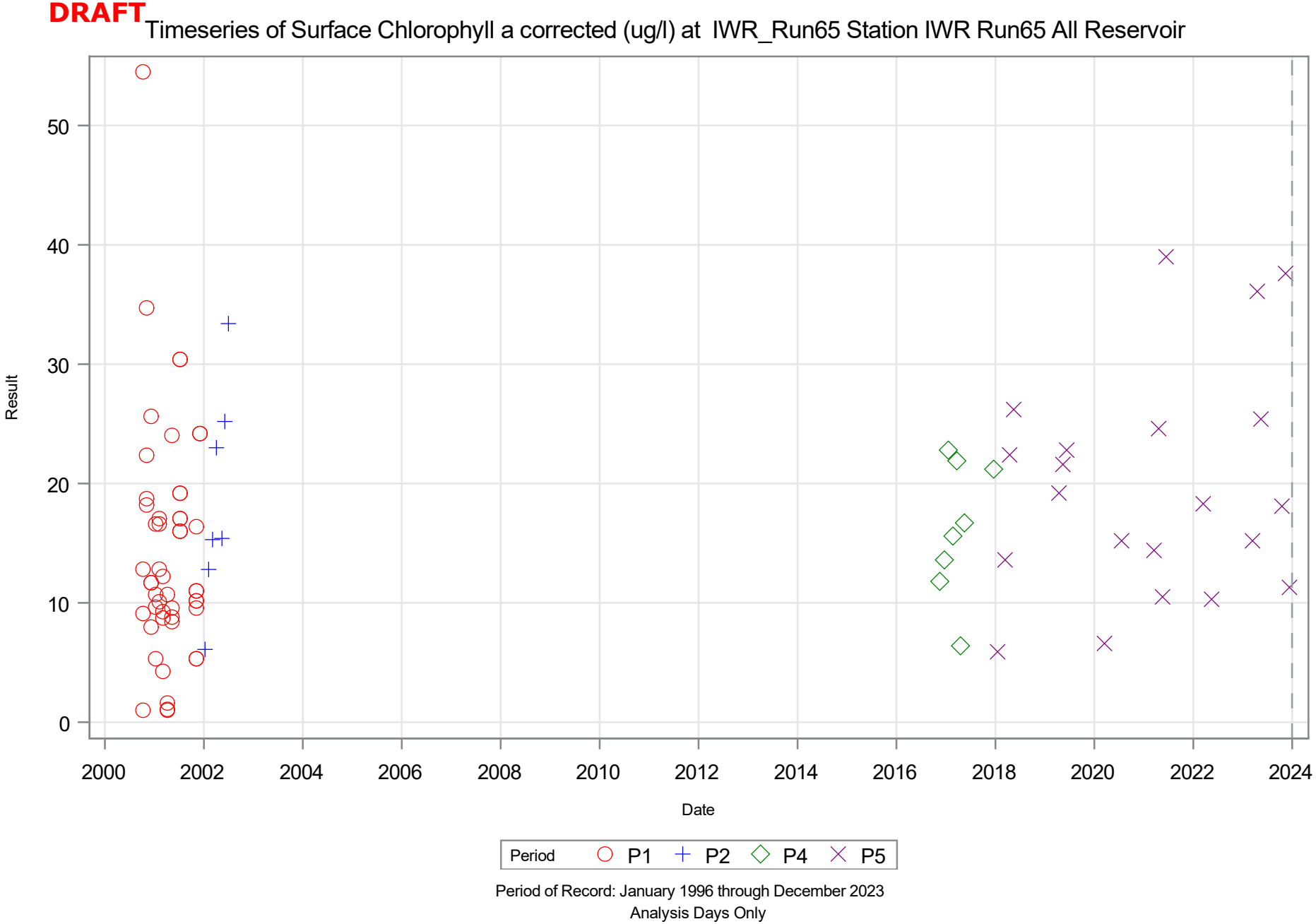
DRAFT

Boxplot by MFL Period for Bottom Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir



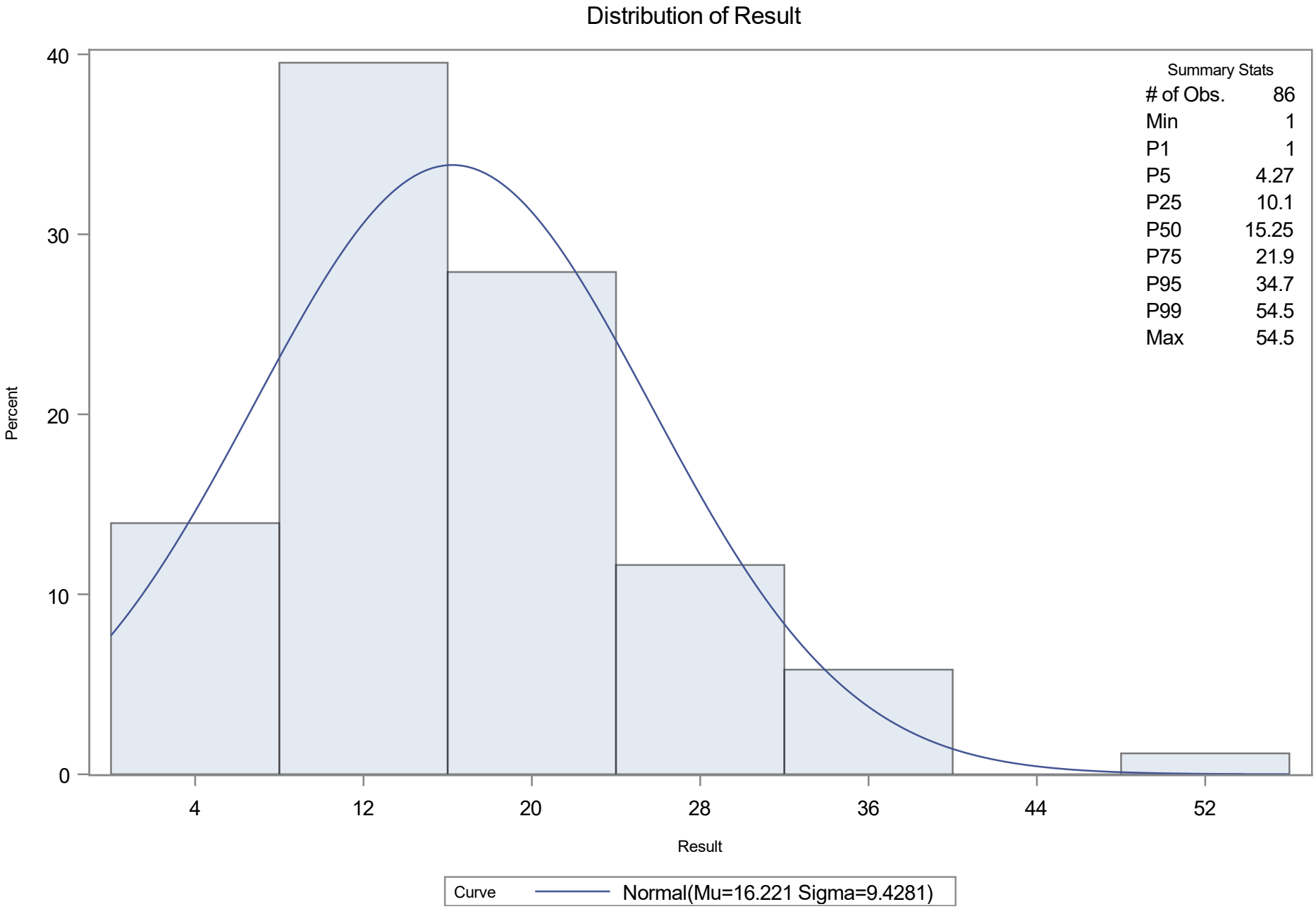
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0
10
20
30
40
50
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.22093
Std Dev	Sigma	9.428055

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10239142	**Pr > D**	0.024
Cramer-von Mises	**W-Sq**	0.19974731	**Pr > W-Sq**	0.005
Anderson-Darling	**A-Sq**	1.26296517	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-5.71201
5.0	4.27000	0.71316
10.0	5.90000	4.13839
25.0	10.10000	9.86180
50.0	15.25000	16.22093
75.0	21.90000	22.58006
90.0	26.20000	28.30347
95.0	34.70000	31.72870
99.0	54.50000	38.15387

Period of Record: January 1996 through December 2023
Analysis Days Only

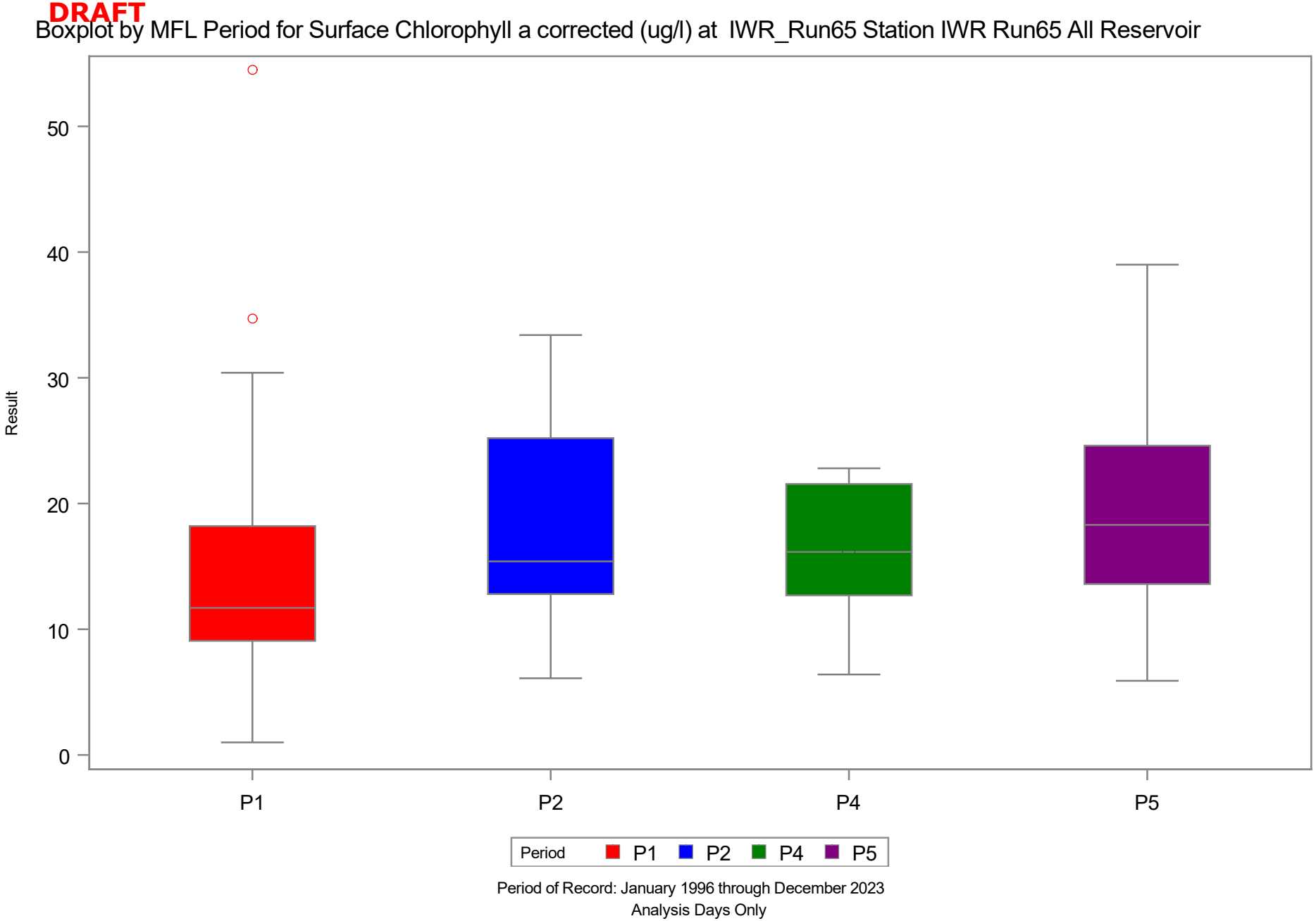
DRAFT

Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir

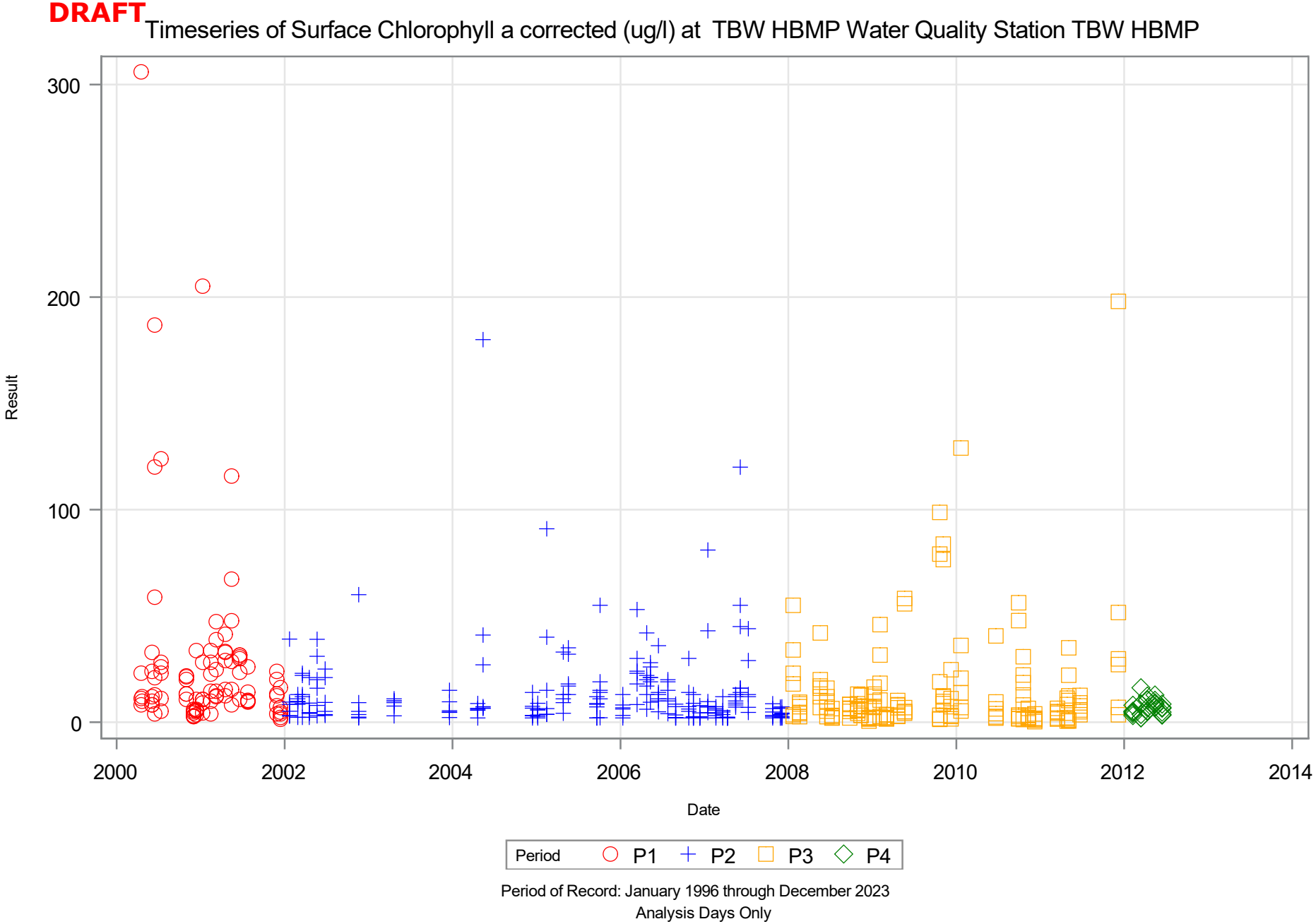
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	50	1.00	9.08	14.39	11.70	18.20	54.50
P2	7	6.10	12.80	18.74	15.40	25.20	33.40
P4	8	6.40	12.70	16.25	16.15	21.55	22.80
P5	21	5.90	13.60	19.73	18.30	24.60	39.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

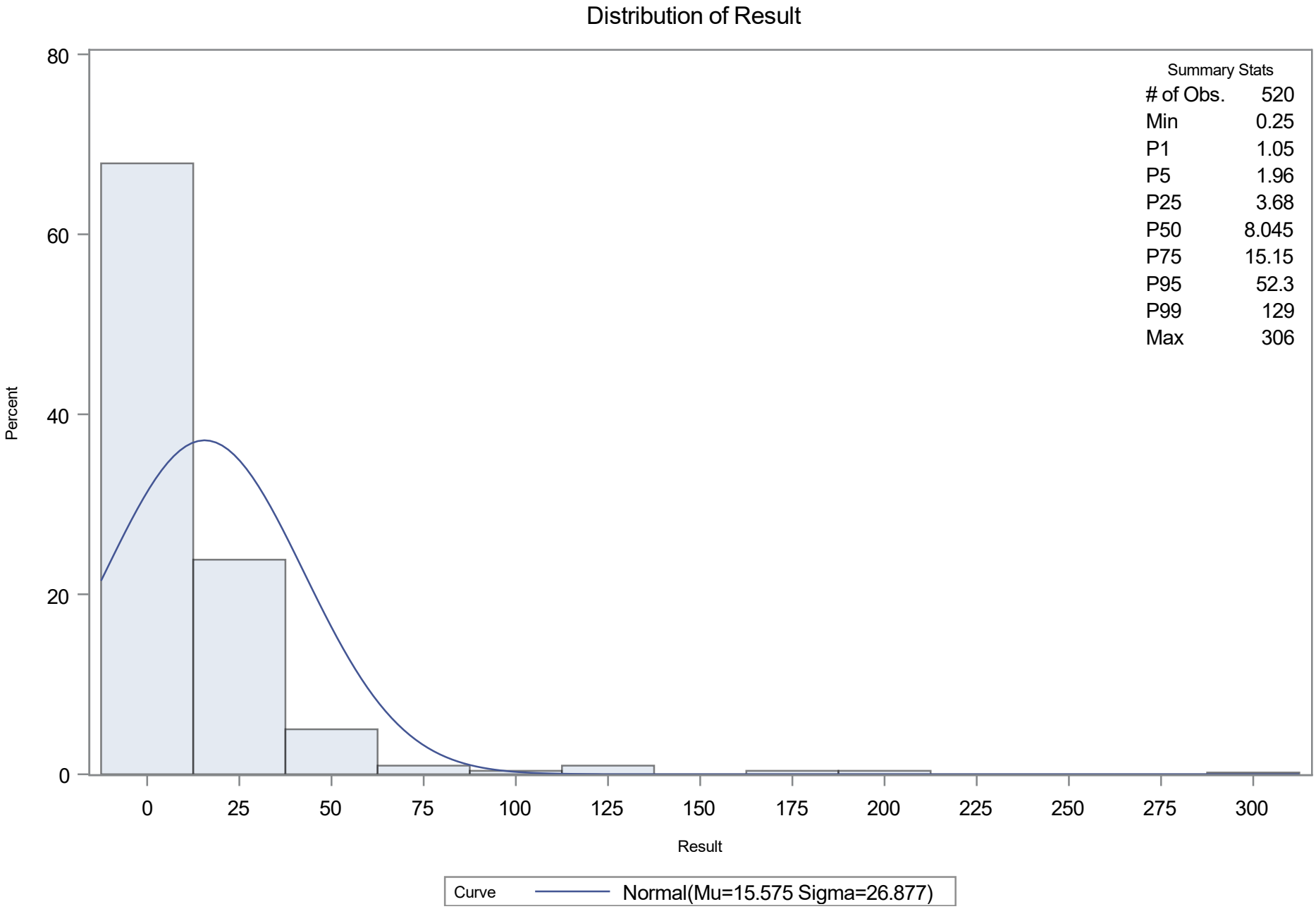

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
50
40
30
20
10
0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Chlorophyll a corrected (ug/l) at TBW HBMP Water Quality Station TBW HBMP
Result
300
200
100
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Chlorophyll a corrected (ug/l) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.57529
Std Dev	Sigma	26.87664

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2857612	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	14.6556006	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	75.9141344	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.05000	-46.94912
5.0	1.96000	-28.63285
10.0	2.00000	-18.86851
25.0	3.68000	-2.55273
50.0	8.04500	15.57529
75.0	15.15000	33.70330
90.0	33.00000	50.01909
95.0	52.30000	59.78342
99.0	129.00000	78.09970

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

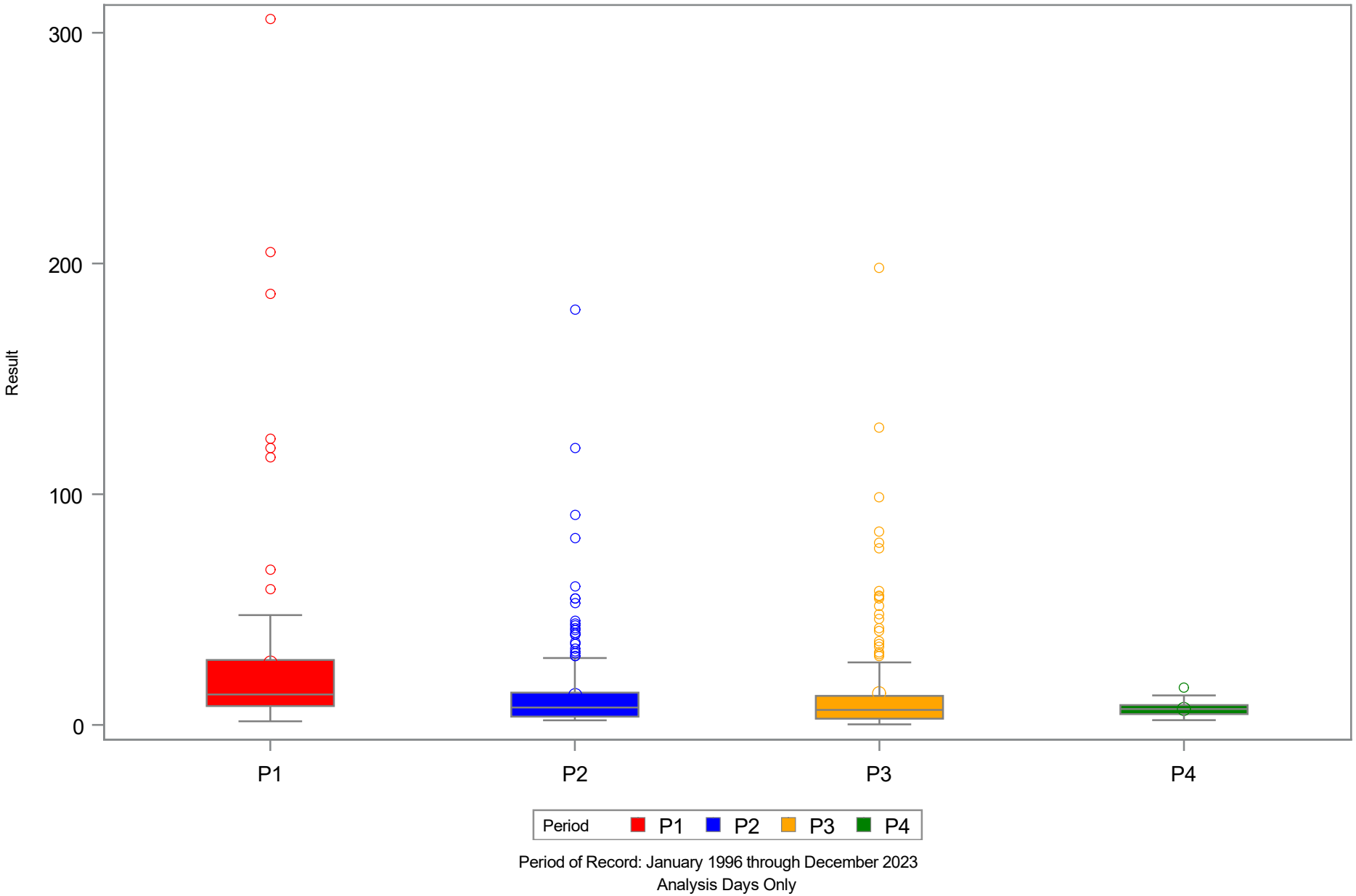
Distributional Statistics by Period for Surface Chlorophyll a corrected (ug/l) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	96	1.58	8.19	27.17	13.20	28.15	306.00
P2	226	2.00	3.60	13.10	7.55	14.00	180.00
P3	168	0.25	2.70	13.81	6.51	12.60	198.00
P4	30	2.07	4.70	7.01	6.87	8.60	16.20

Period of Record: January 1996 through December 2023
Analysis Days Only

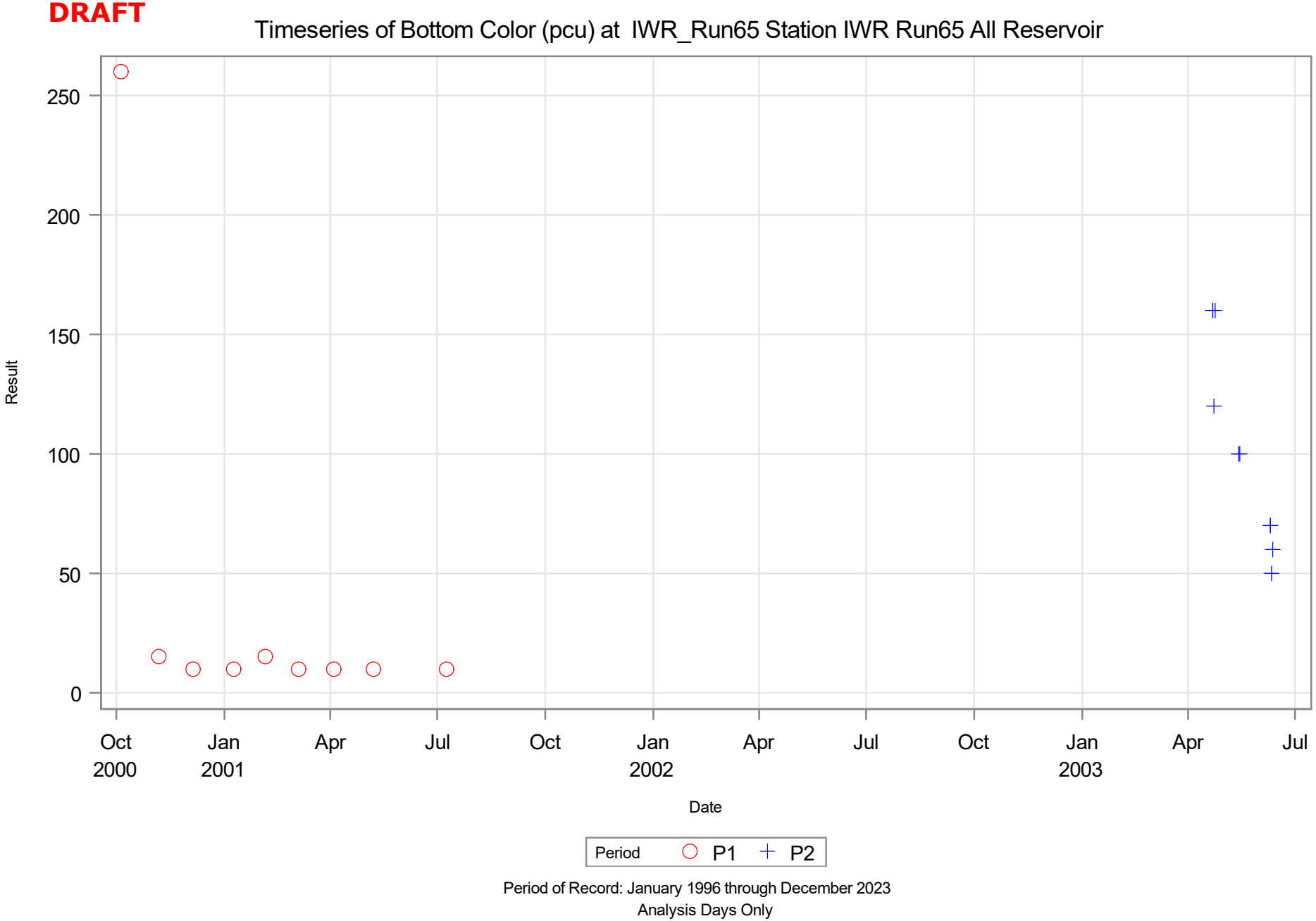
DRAFT

Boxplot by MFL Period for Surface Chlorophyll a corrected (ug/l) at TBW HBMP Water Quality Station TBW HBMP



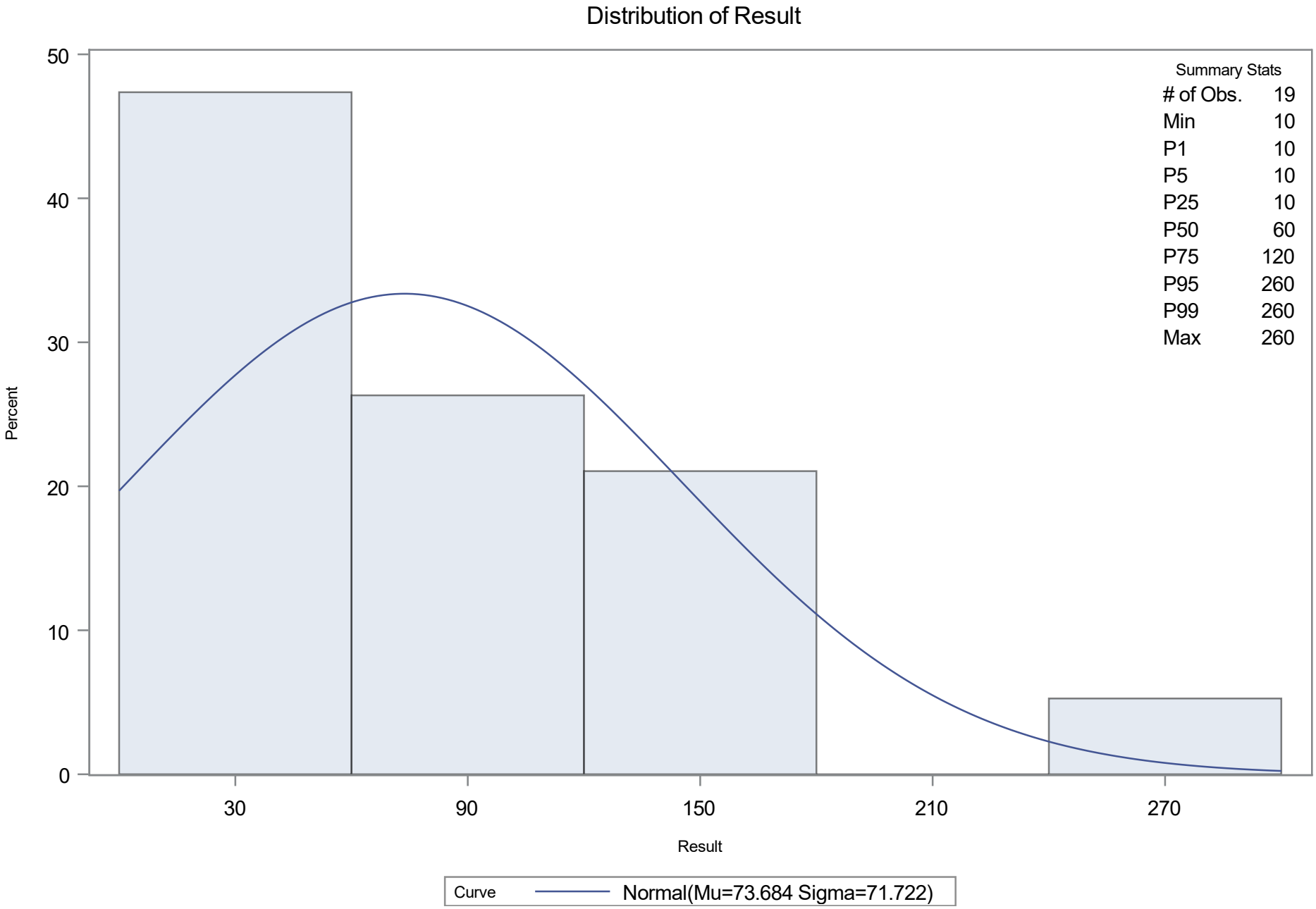
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir
Result
250
200
150
100
50
0
Oct
2000
Jan
2001
Apr
Jul
Oct
Jan
2002
Apr
Jul
Oct
Jan
2003
Apr
Jul
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	73.68421
Std Dev	Sigma	71.72173

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21443708	**Pr > D**	0.021
Cramer-von Mises	**W-Sq**	0.15671615	**Pr > W-Sq**	0.019
Anderson-Darling	**A-Sq**	1.03229326	**Pr > A-Sq**	0.008

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.00000	-93.1655
5.0	10.00000	-44.2875
10.0	10.00000	-18.2309
25.0	10.00000	25.3086
50.0	60.00000	73.6842
75.0	120.00000	122.0598
90.0	160.00000	165.5993
95.0	260.00000	191.6560
99.0	260.00000	240.5339

Period of Record: January 1996 through December 2023
Analysis Days Only

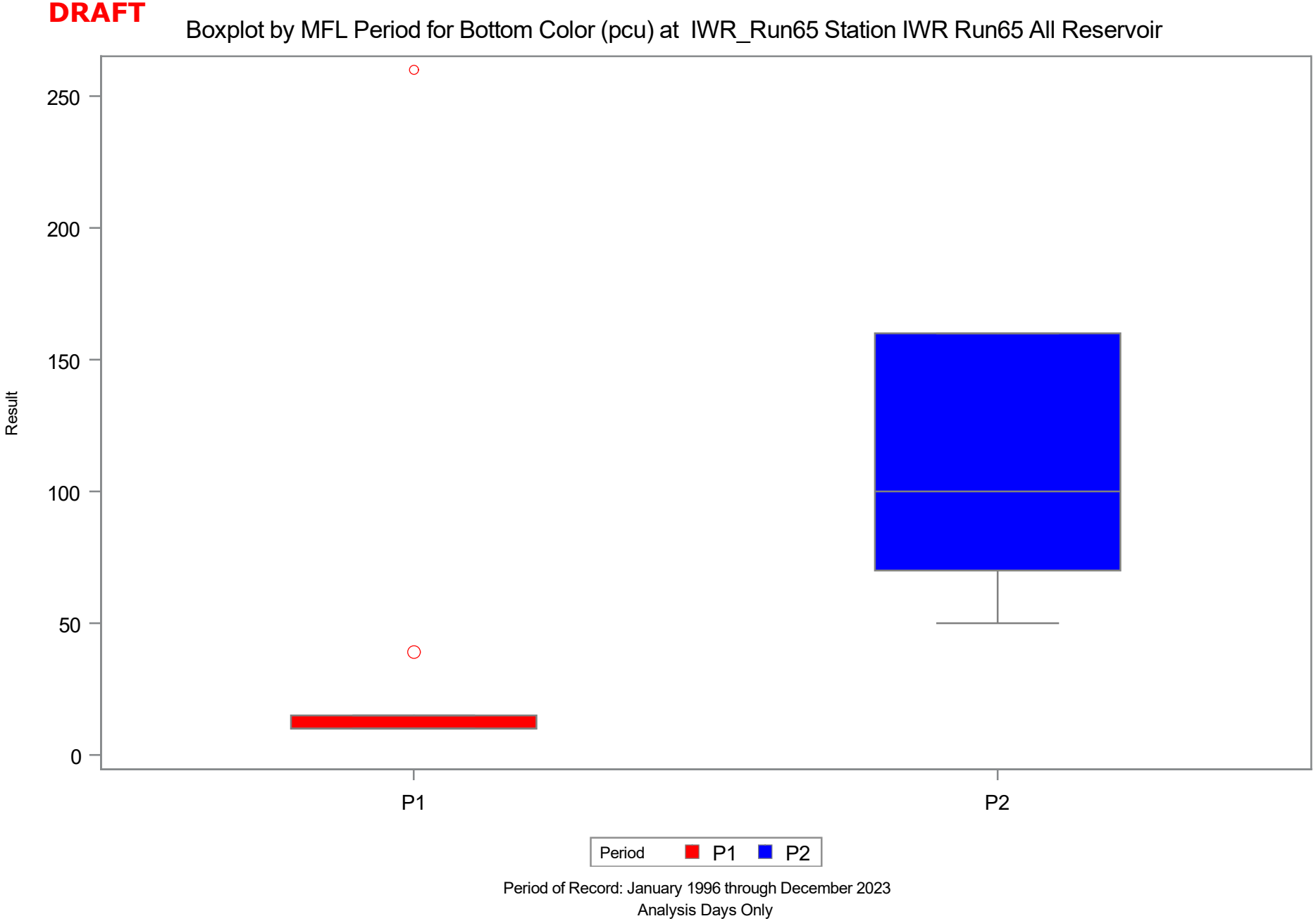
DRAFT

Distributional Statistics by Period for Bottom Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir

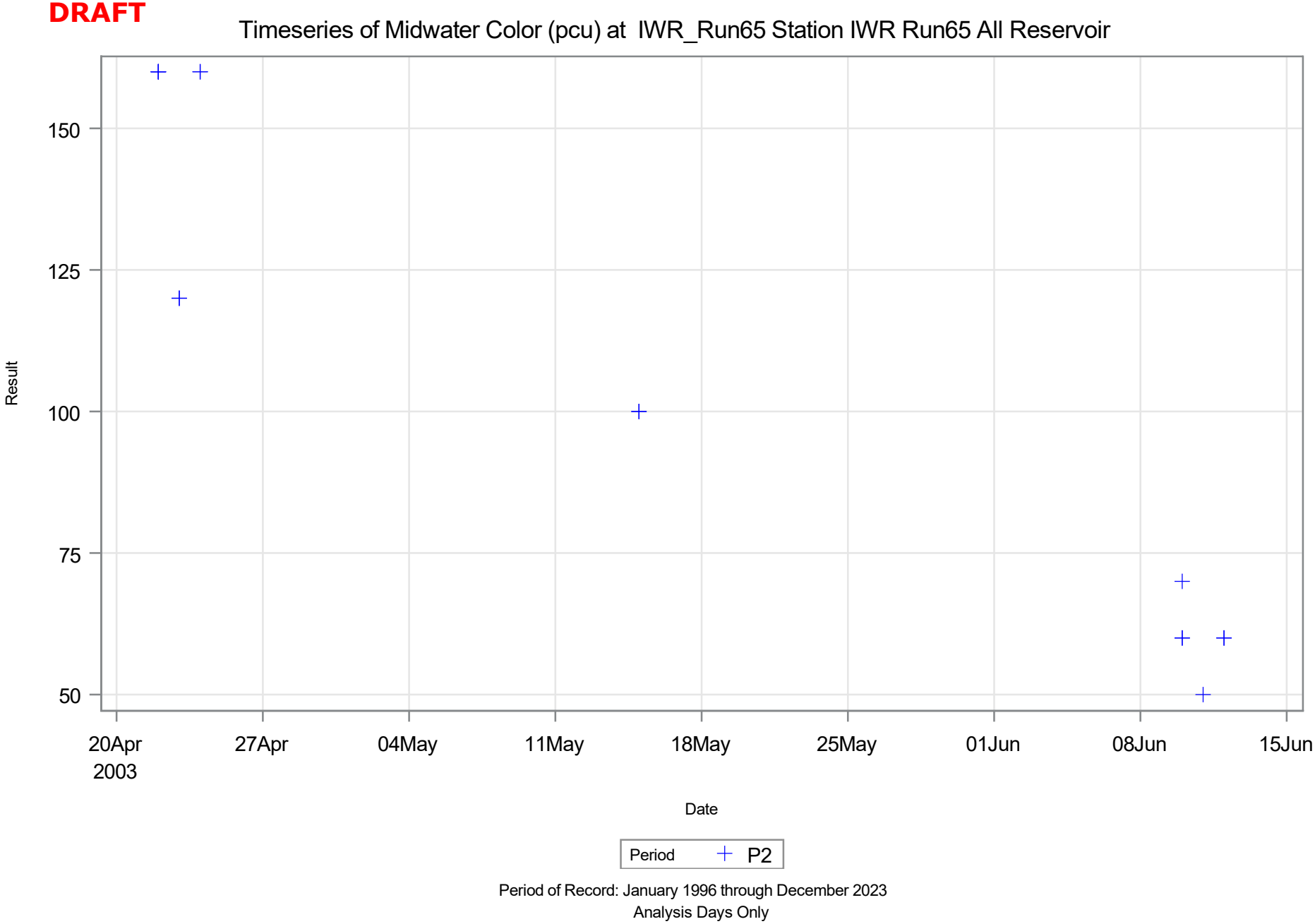
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	9	10.00	10.00	38.89	10.00	15.00	260.00
P2	10	50.00	70.00	105.00	100.00	160.00	160.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

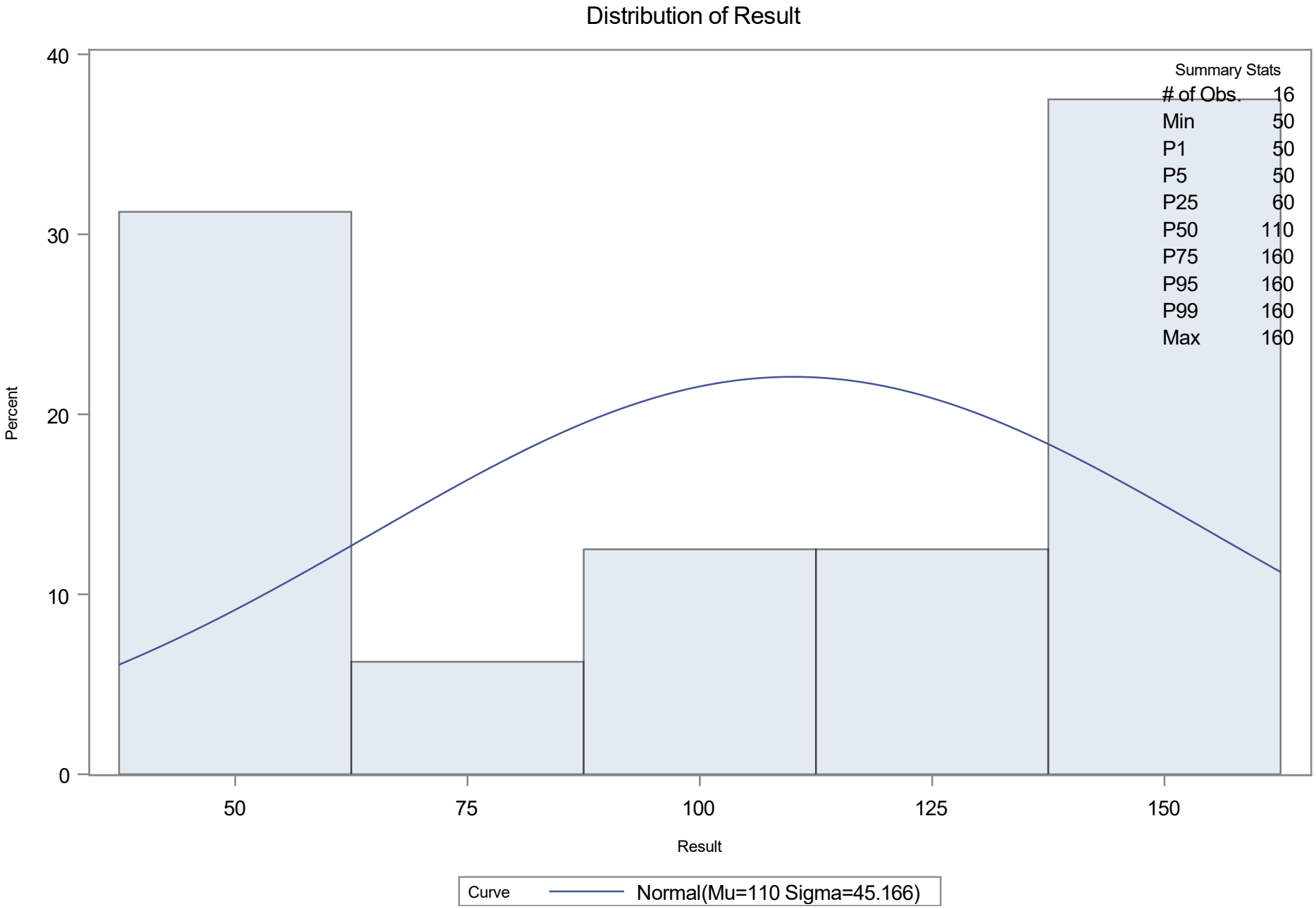

Boxplot by MFL Period for Bottom Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir
Result
250
200
150
100
50
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir
Result
150
125
100
75
50
20Apr
2003
27Apr
04May
11May
18May
25May
01Jun
08Jun
15Jun
Date
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	110
Std Dev	Sigma	45.16636

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24085706	**Pr > D**	0.014
Cramer-von Mises	**W-Sq**	0.15597543	**Pr > W-Sq**	0.019
Anderson-Darling	**A-Sq**	1.12530701	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	50.0000	4.92734
5.0	50.0000	35.70795
10.0	60.0000	52.11698
25.0	60.0000	79.53575
50.0	110.0000	110.00000
75.0	160.0000	140.46425
90.0	160.0000	167.88302
95.0	160.0000	184.29205
99.0	160.0000	215.07266

Period of Record: January 1996 through December 2023
Analysis Days Only

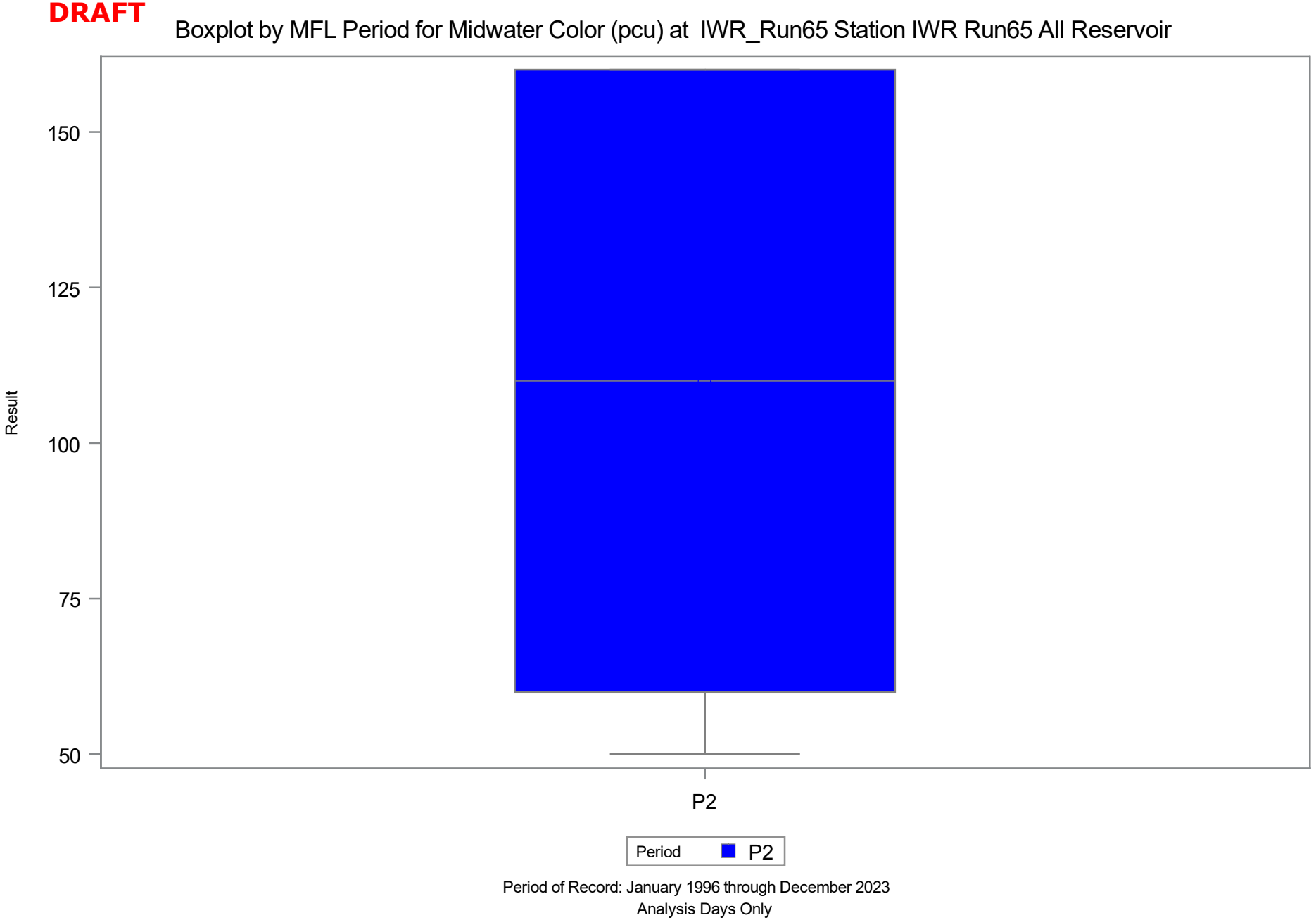
DRAFT

Distributional Statistics by Period for Midwater Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir

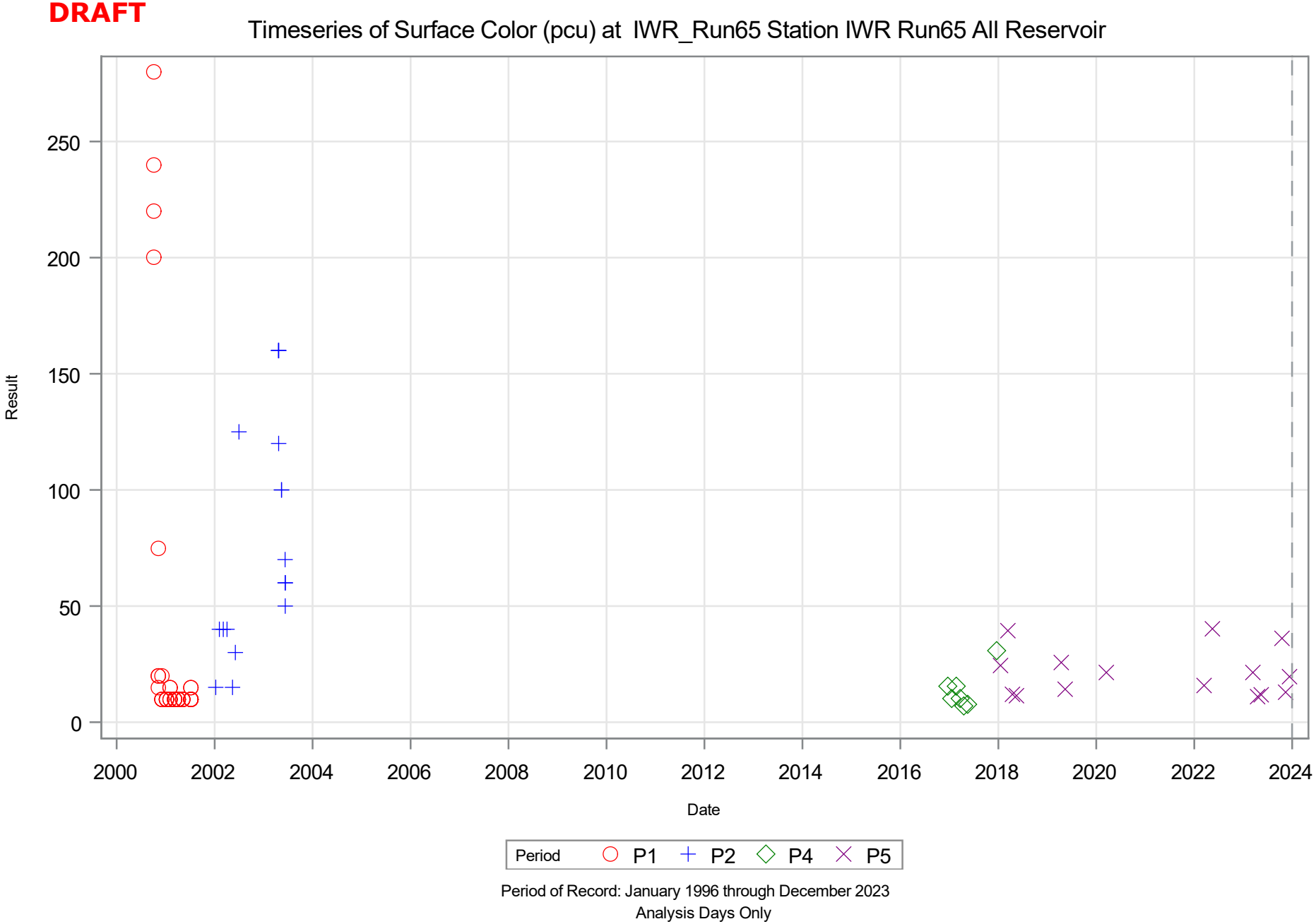
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	16	50.00	60.00	110.00	110.00	160.00	160.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

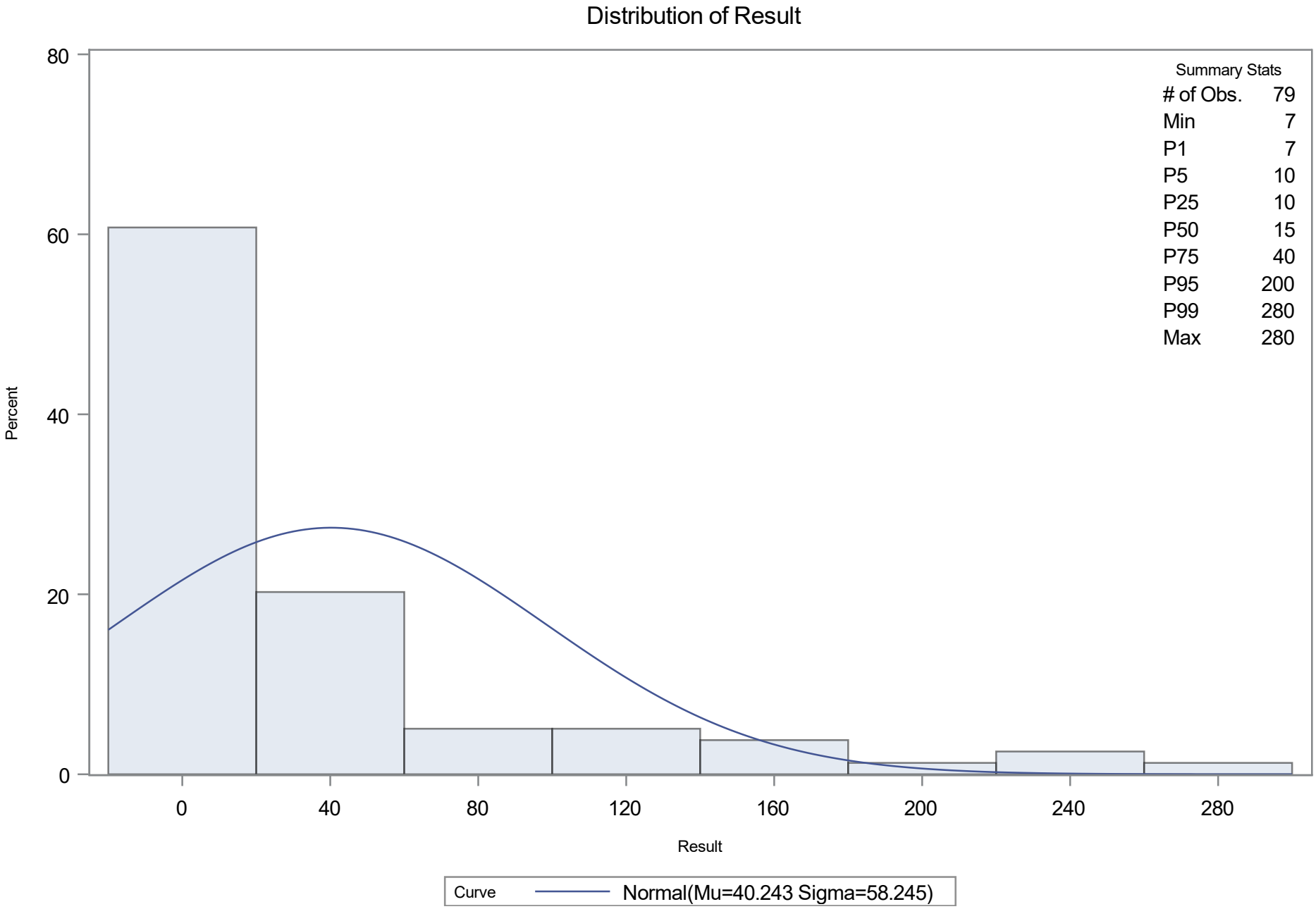

Boxplot by MFL Period for Midwater Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir
Result
150
125
100
75
50
P2
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir
Result
250
200
150
100
50
0
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	40.24304
Std Dev	Sigma	58.24454

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2977631	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.5617396	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.0060959	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.00000	-95.25403
5.0	10.00000	-55.56071
10.0	10.00000	-34.40035
25.0	10.00000	0.95769
50.0	15.00000	40.24304
75.0	40.00000	79.52838
90.0	125.00000	114.88642
95.0	200.00000	136.04678
99.0	280.00000	175.74010

Period of Record: January 1996 through December 2023
Analysis Days Only

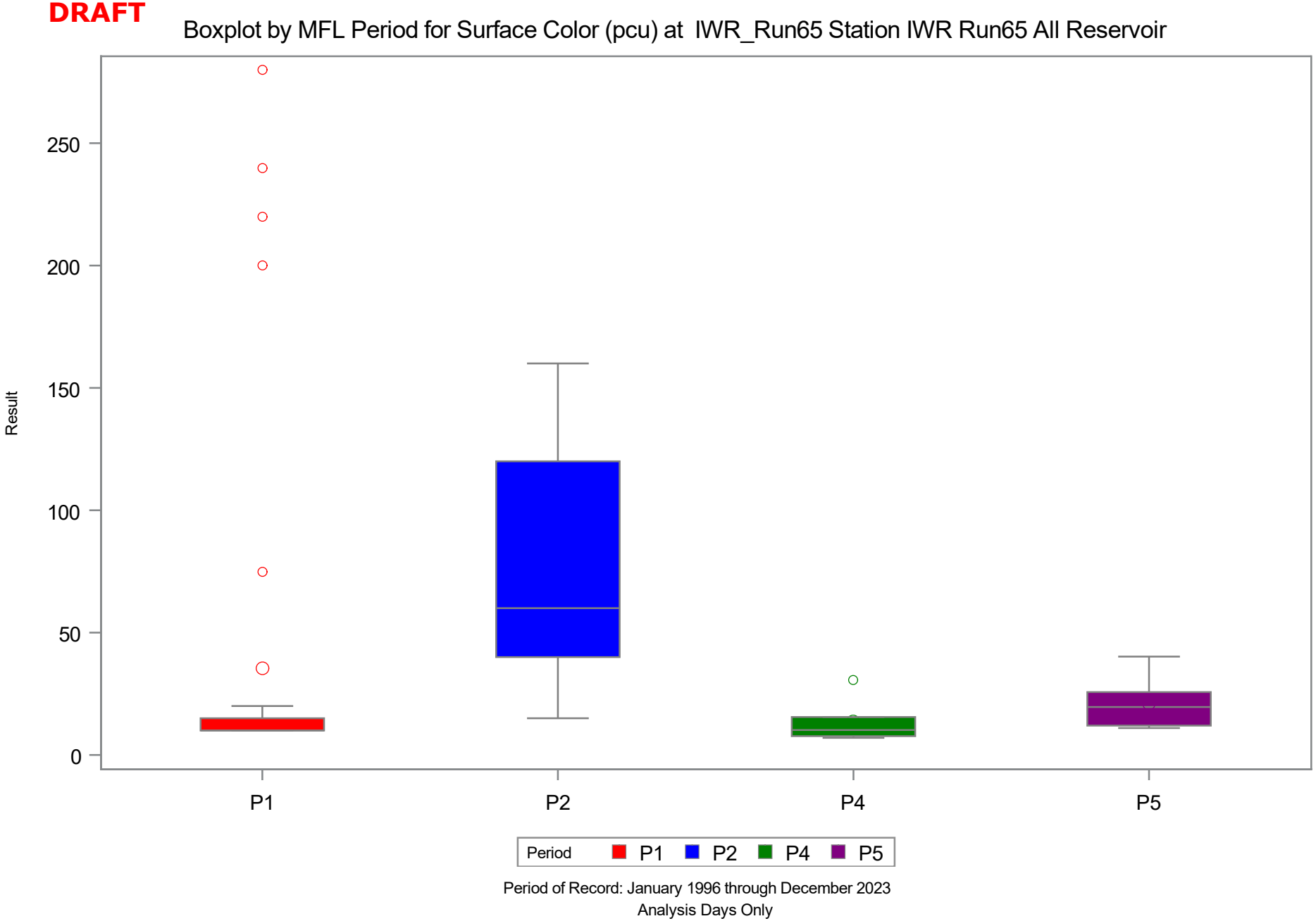
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir

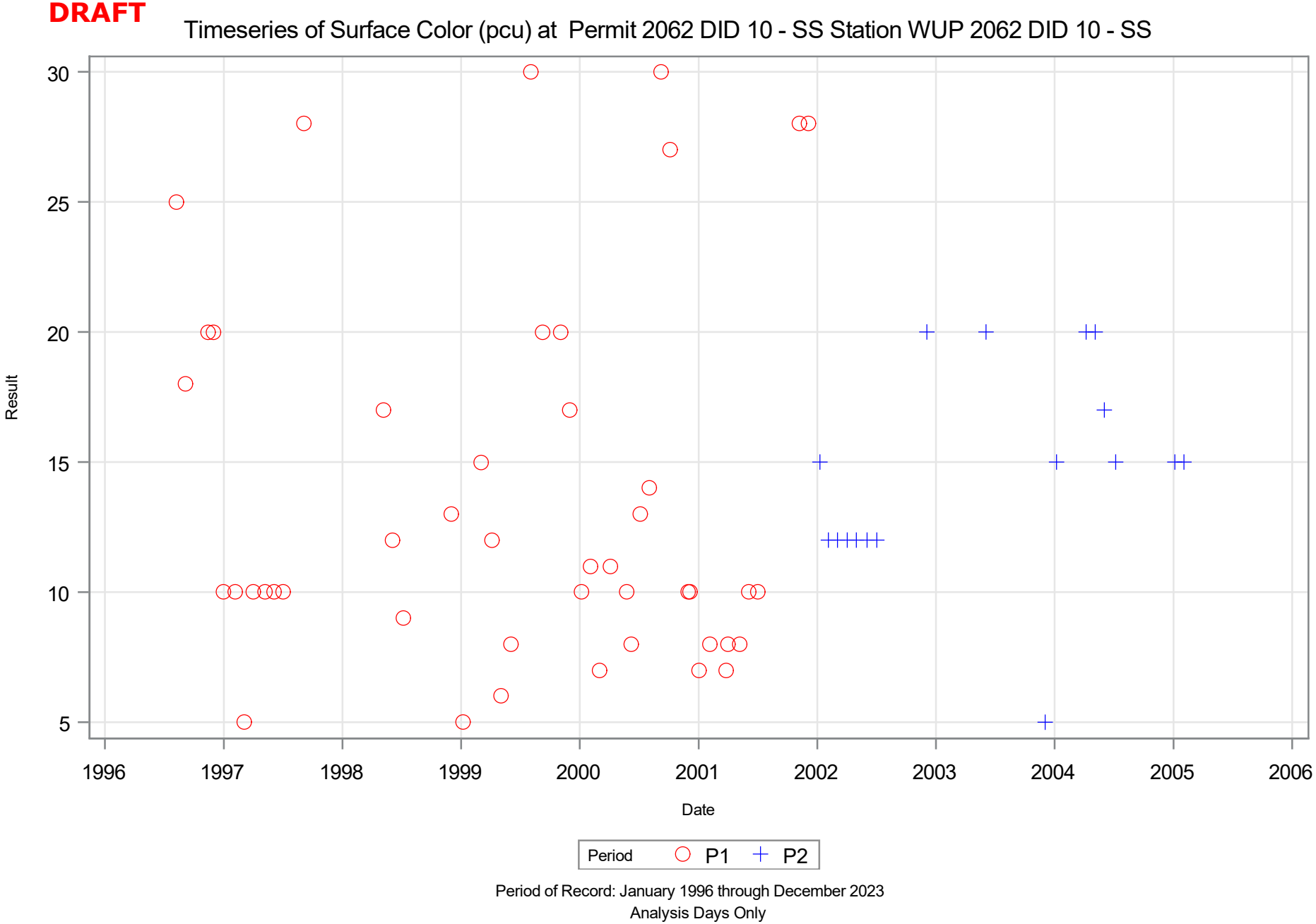
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	40	10.00	10.00	35.50	10.00	15.00	280.00
P2	17	15.00	40.00	79.12	60.00	120.00	160.00
P4	7	7.00	7.70	13.84	10.20	15.50	30.80
P5	15	11.00	12.00	21.15	19.60	25.70	40.20

Period of Record: January 1996 through December 2023
Analysis Days Only

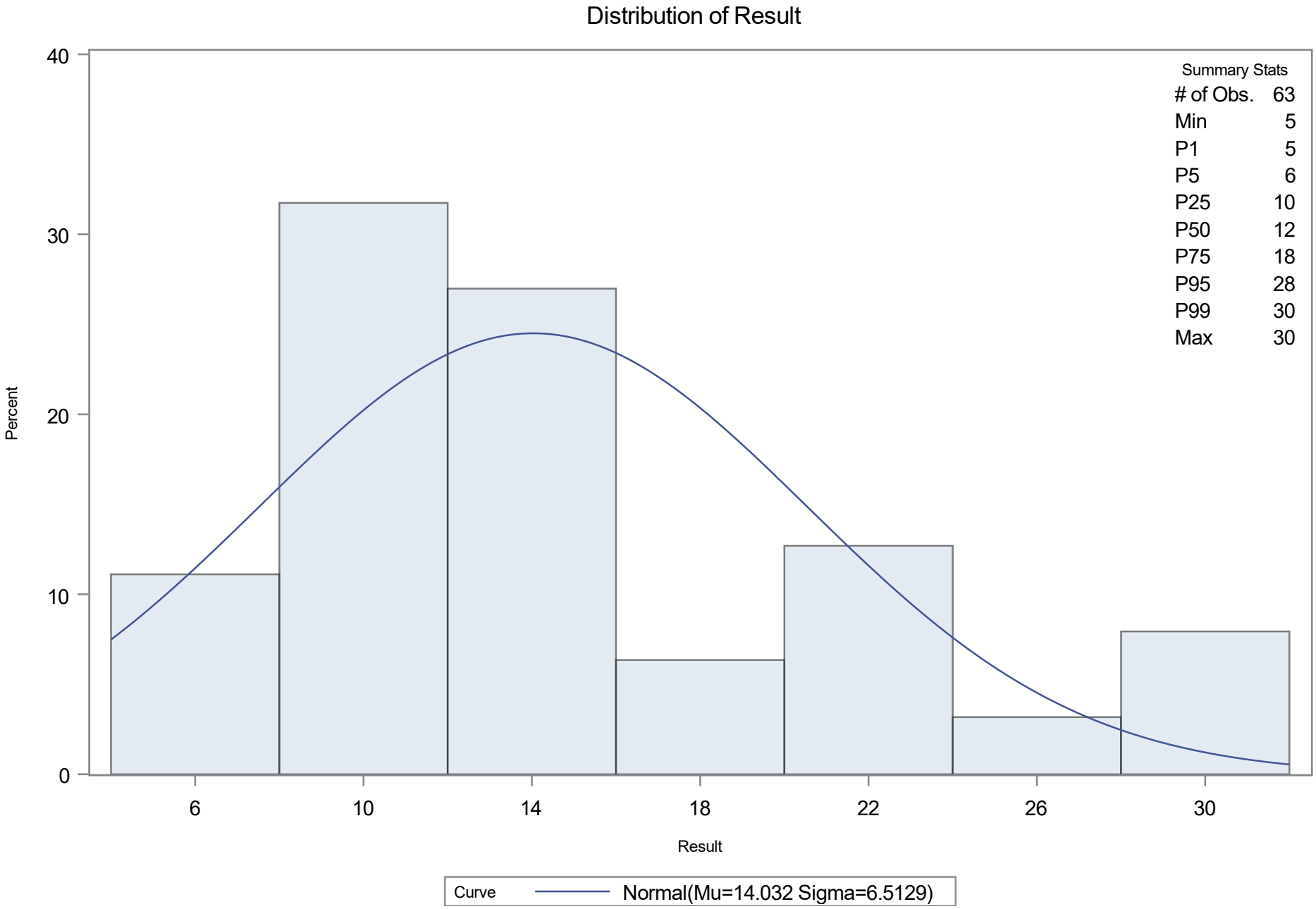
DRAFT


Boxplot by MFL Period for Surface Color (pcu) at IWR_Run65 Station IWR Run65 All Reservoir
Result
250
200
150
100
50
0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
30
25
20
15
10
5
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Color (pcu) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Color (pcu) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14.03175
Std Dev	Sigma	6.512936

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17801838	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.34437663	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.08925878	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.00000	-1.11961
5.0	6.00000	3.31892
10.0	7.00000	5.68508
25.0	10.00000	9.63884
50.0	12.00000	14.03175
75.0	18.00000	18.42465
90.0	25.00000	22.37841
95.0	28.00000	24.74457
99.0	30.00000	29.18310

Period of Record: January 1996 through December 2023
Analysis Days Only

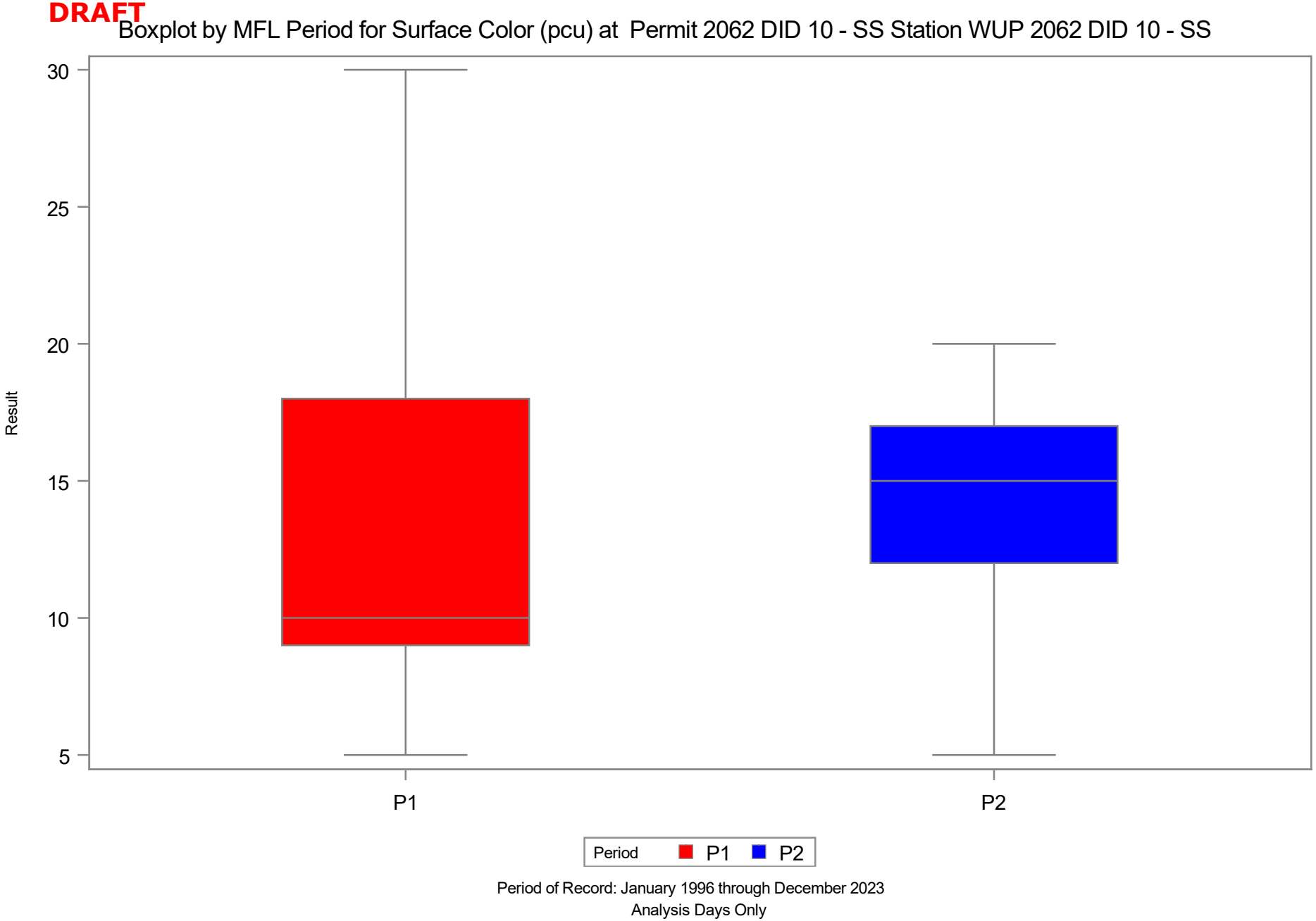
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

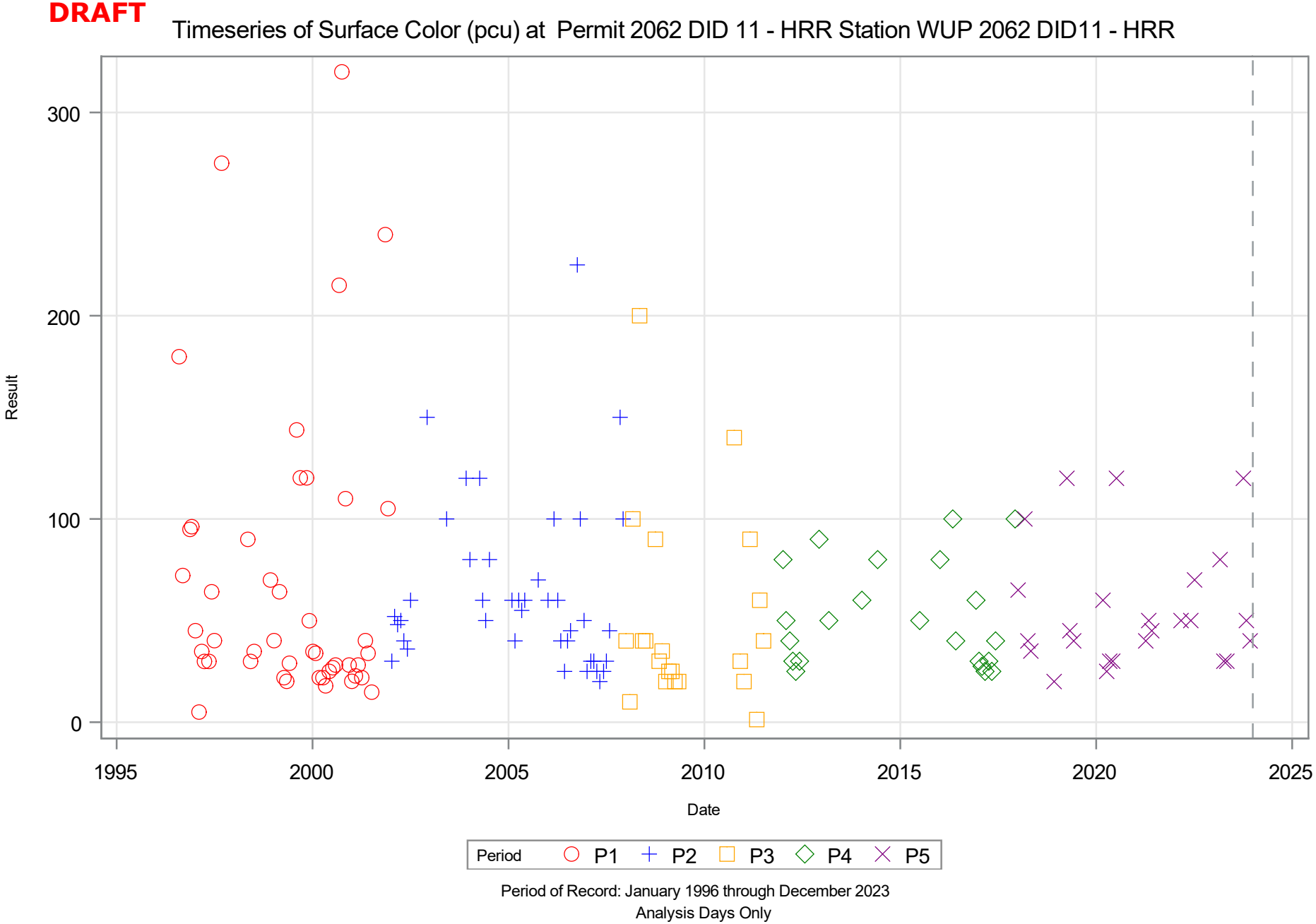
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	5.00	9.00	13.80	10.00	18.00	30.00
P2	17	5.00	12.00	14.65	15.00	17.00	20.00

Period of Record: January 1996 through December 2023
Analysis Days Only

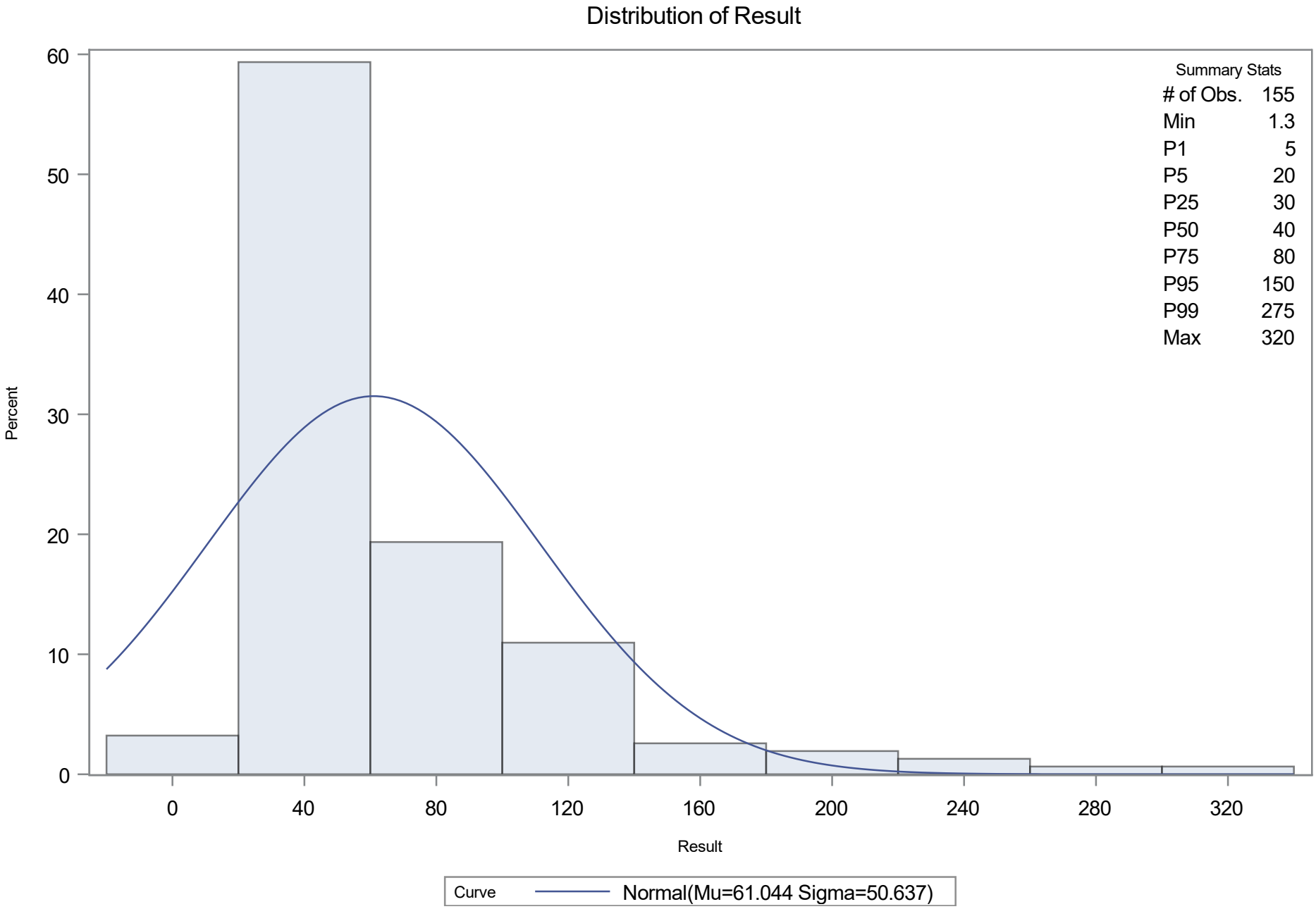
DRAFT


Boxplot by MFL Period for Surface Color (pcu) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
30
25
20
15
10
5
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR
Result
300
200
100
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Color (pcu) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	61.04387
Std Dev	Sigma	50.63737

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2049977	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.9022046	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.6874840	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.00000	-56.75626
5.0	20.00000	-22.24719
10.0	22.00000	-3.85053
25.0	30.00000	26.88948
50.0	40.00000	61.04387
75.0	80.00000	95.19826
90.0	120.00000	125.93827
95.0	150.00000	144.33493
99.0	275.00000	178.84401

Period of Record: January 1996 through December 2023
Analysis Days Only

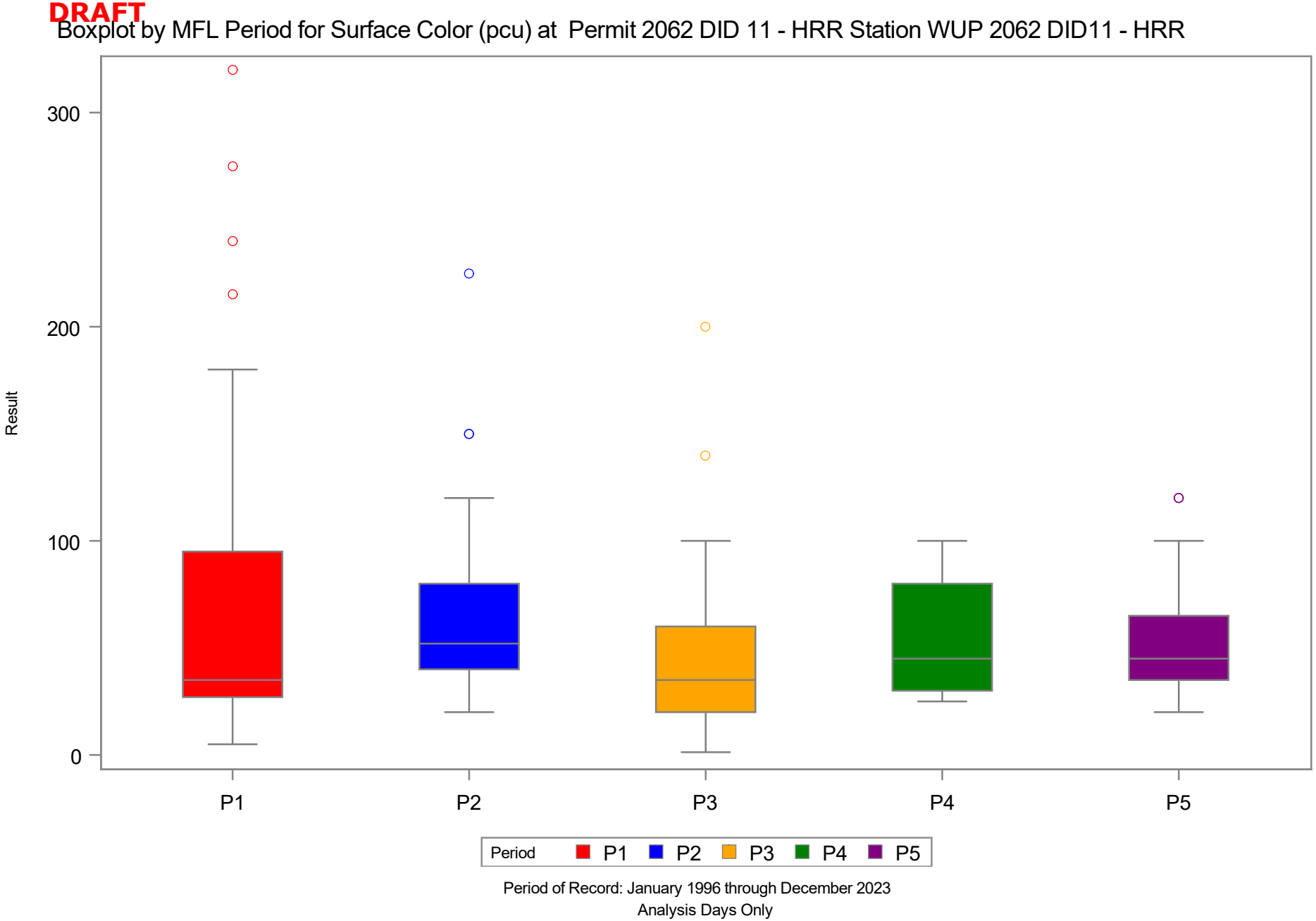
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

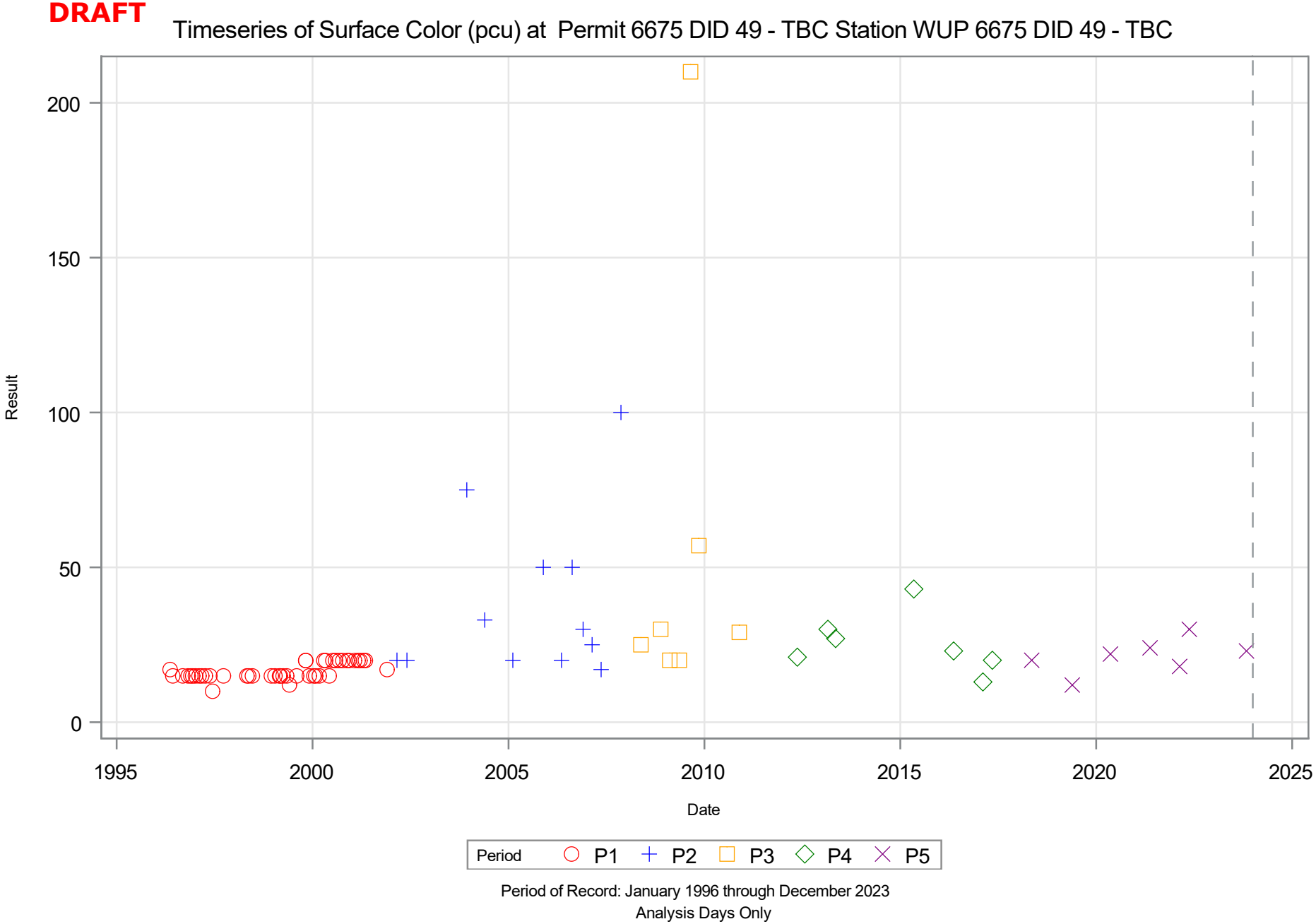
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	5.00	27.00	69.83	35.00	95.00	320.00
P2	41	20.00	40.00	64.54	52.00	80.00	225.00
P3	21	1.30	20.00	51.25	35.00	60.00	200.00
P4	22	25.00	30.00	51.93	45.00	80.00	100.00
P5	25	20.00	35.00	55.40	45.00	65.00	120.00

Period of Record: January 1996 through December 2023
Analysis Days Only

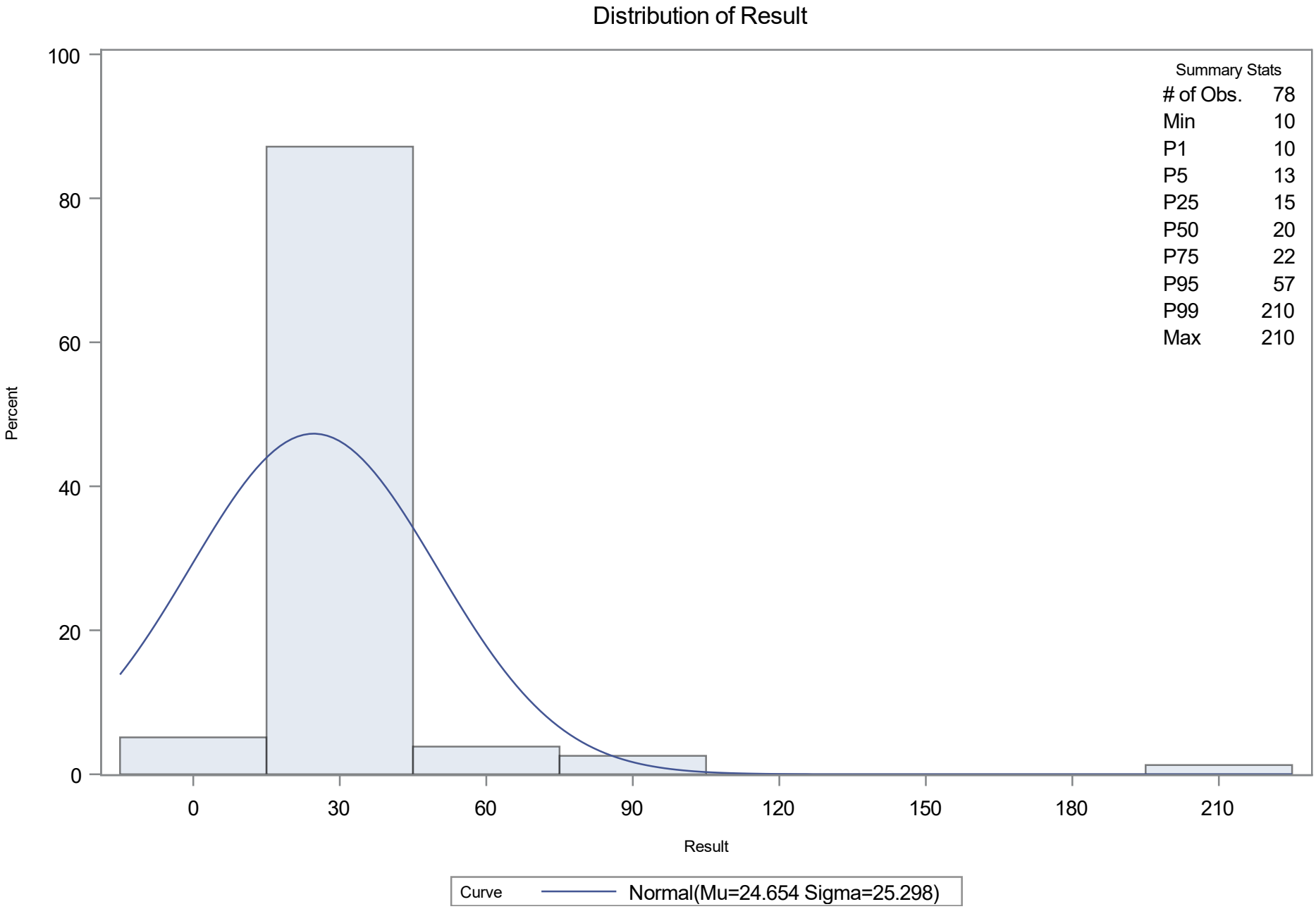
DRAFT


Boxplot by MFL Period for Surface Color (pcu) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR
Result
300
200
100
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC
Result
200
150
100
50
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Color (pcu) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.65385
Std Dev	Sigma	25.29813

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3150543	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.9768705	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.8738975	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.00000	-34.19841
5.0	13.00000	-16.95788
10.0	15.00000	-7.76702
25.0	15.00000	7.59052
50.0	20.00000	24.65385
75.0	22.00000	41.71718
90.0	33.00000	57.07471
95.0	57.00000	66.26557
99.0	210.00000	83.50610

Period of Record: January 1996 through December 2023
Analysis Days Only

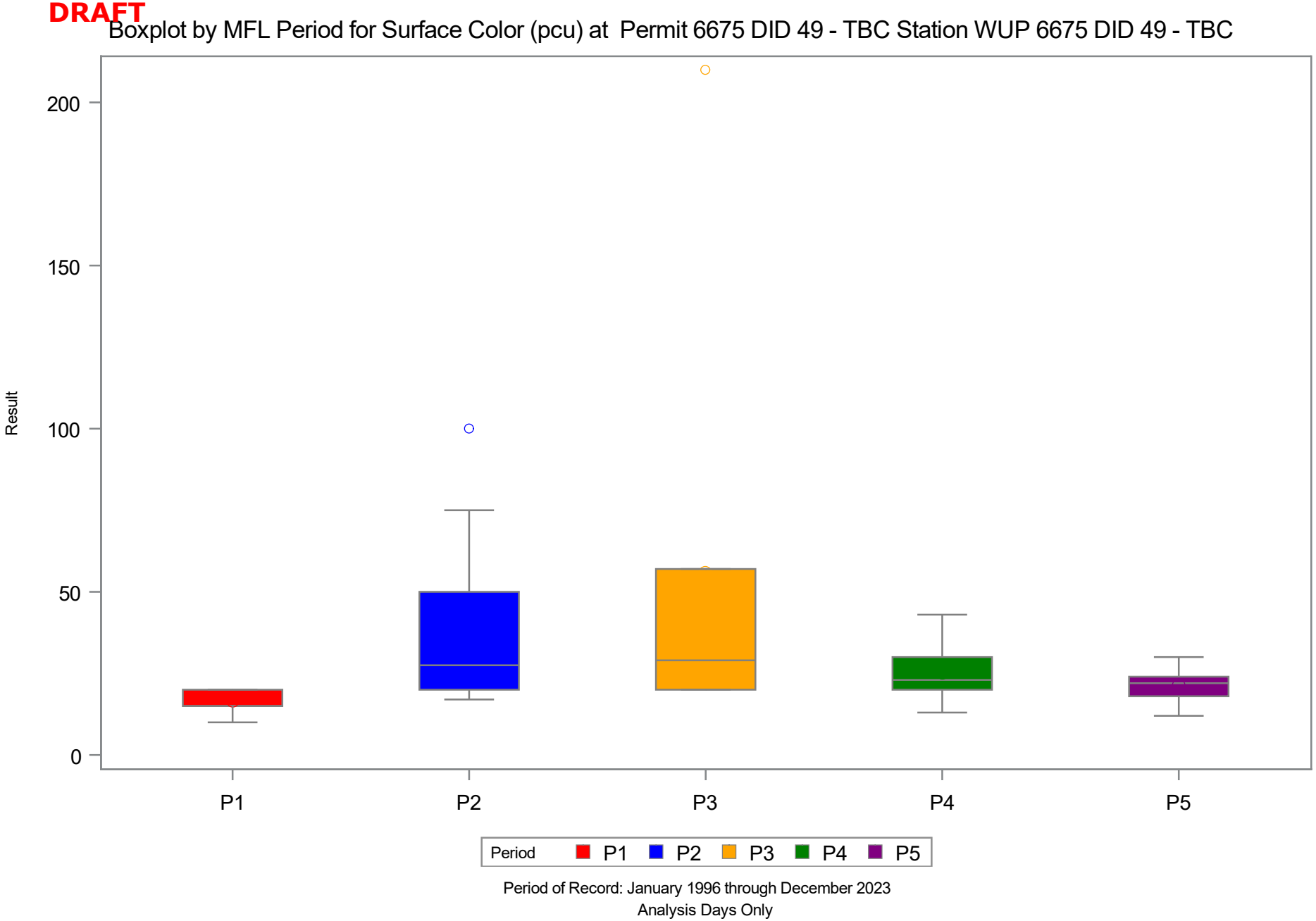
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

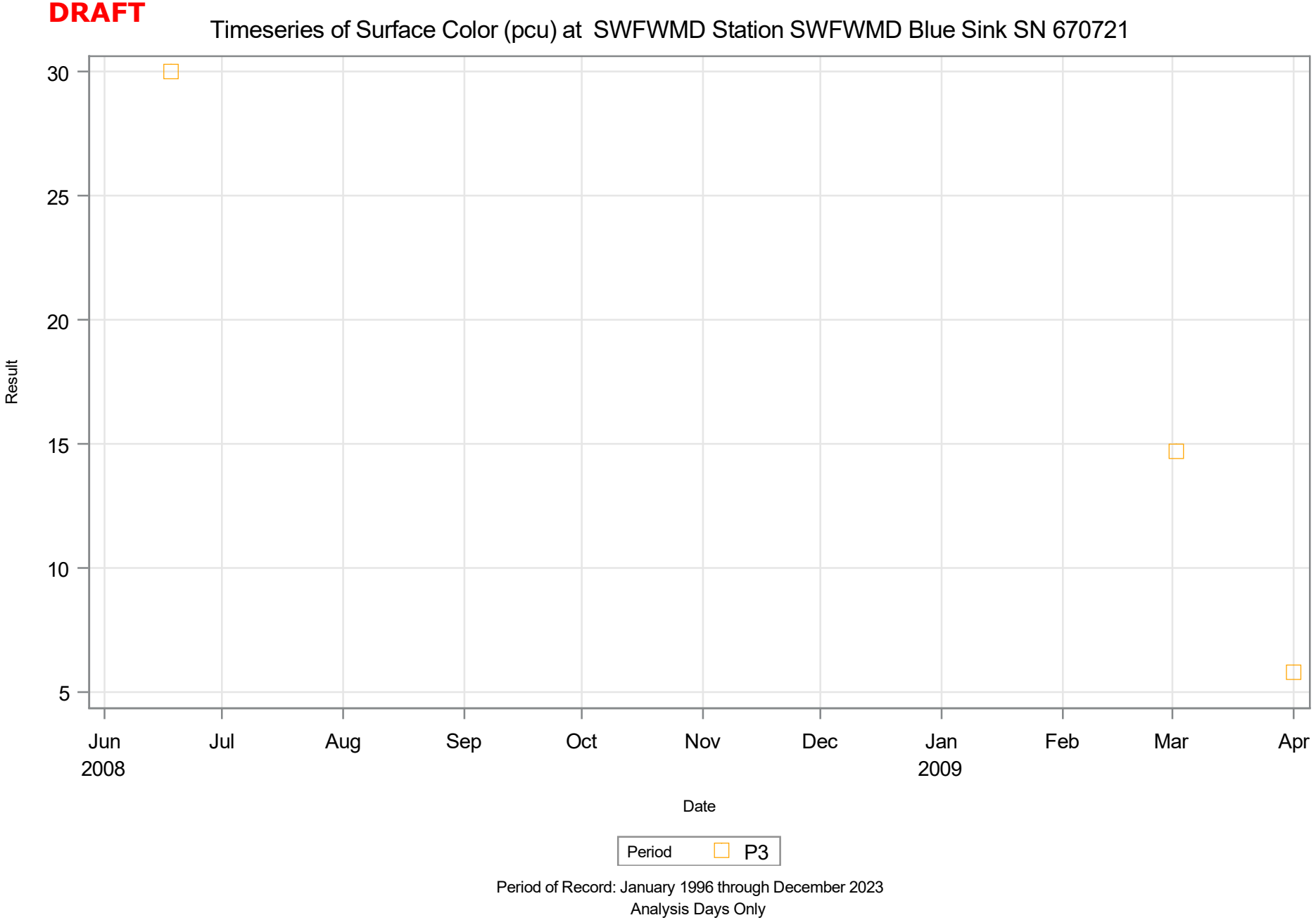
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	10.00	15.00	16.58	15.00	20.00	20.00
P2	12	17.00	20.00	38.33	27.50	50.00	100.00
P3	7	20.00	20.00	55.86	29.00	57.00	210.00
P4	7	13.00	20.00	25.29	23.00	30.00	43.00
P5	7	12.00	18.00	21.29	22.00	24.00	30.00

Period of Record: January 1996 through December 2023
Analysis Days Only

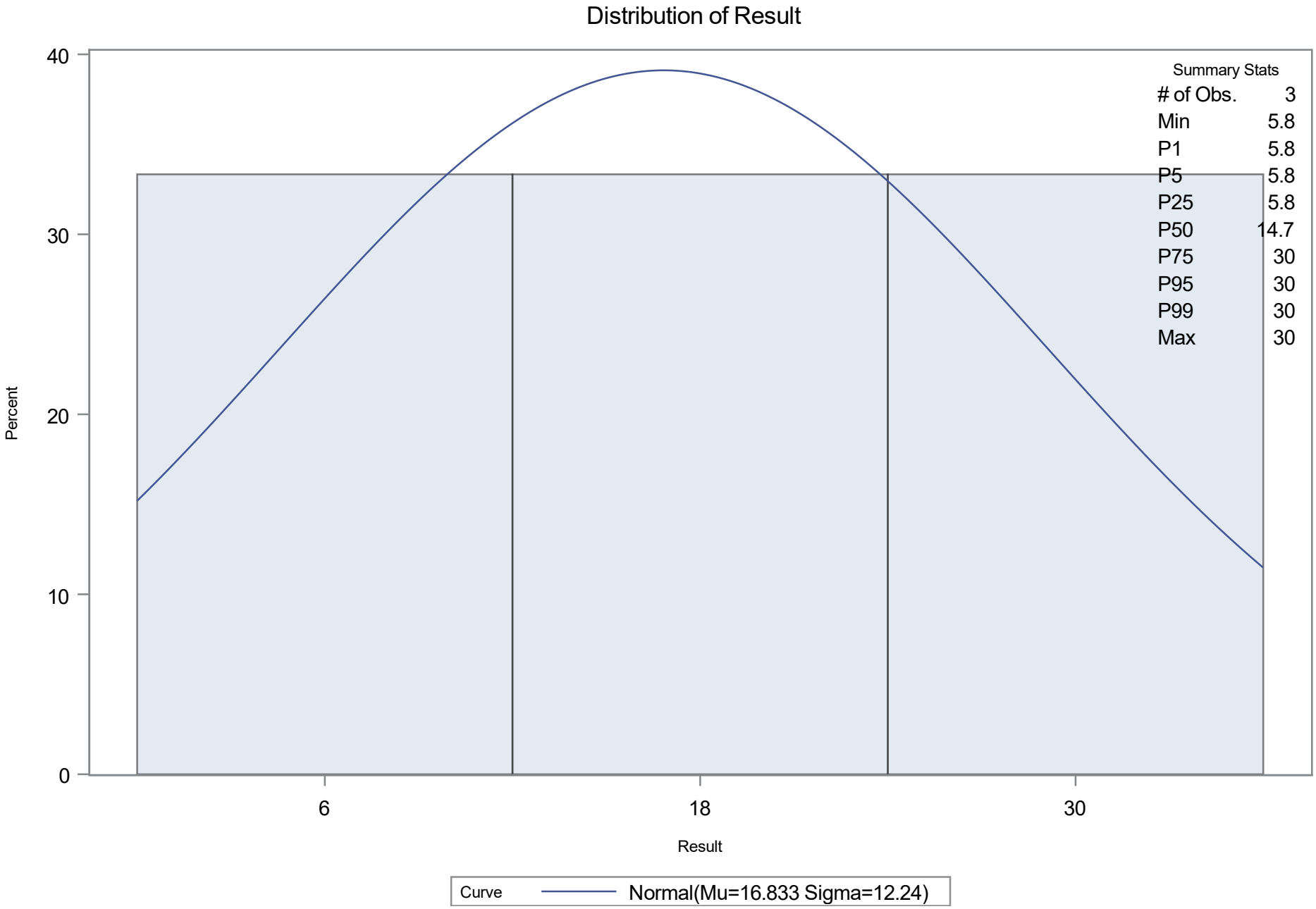
DRAFT


Boxplot by MFL Period for Surface Color (pcu) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC
Result
200
150
100
50
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at SWFWMD Station SWFWMD Blue Sink SN 670721
Result
30
25
20
15
10
5
Jun
2008
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2009
Feb
Mar
Apr
Date
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD Blue Sink SN 670721**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.83333
Std Dev	Sigma	12.24023

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23584734	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03351053	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21502201	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.80000	-11.64171
5.0	5.80000	-3.30006
10.0	5.80000	1.14684
25.0	5.80000	8.57742
50.0	14.70000	16.83333
75.0	30.00000	25.08925
90.0	30.00000	32.51982
95.0	30.00000	36.96673
99.0	30.00000	45.30838

Period of Record: January 1996 through December 2023
Analysis Days Only

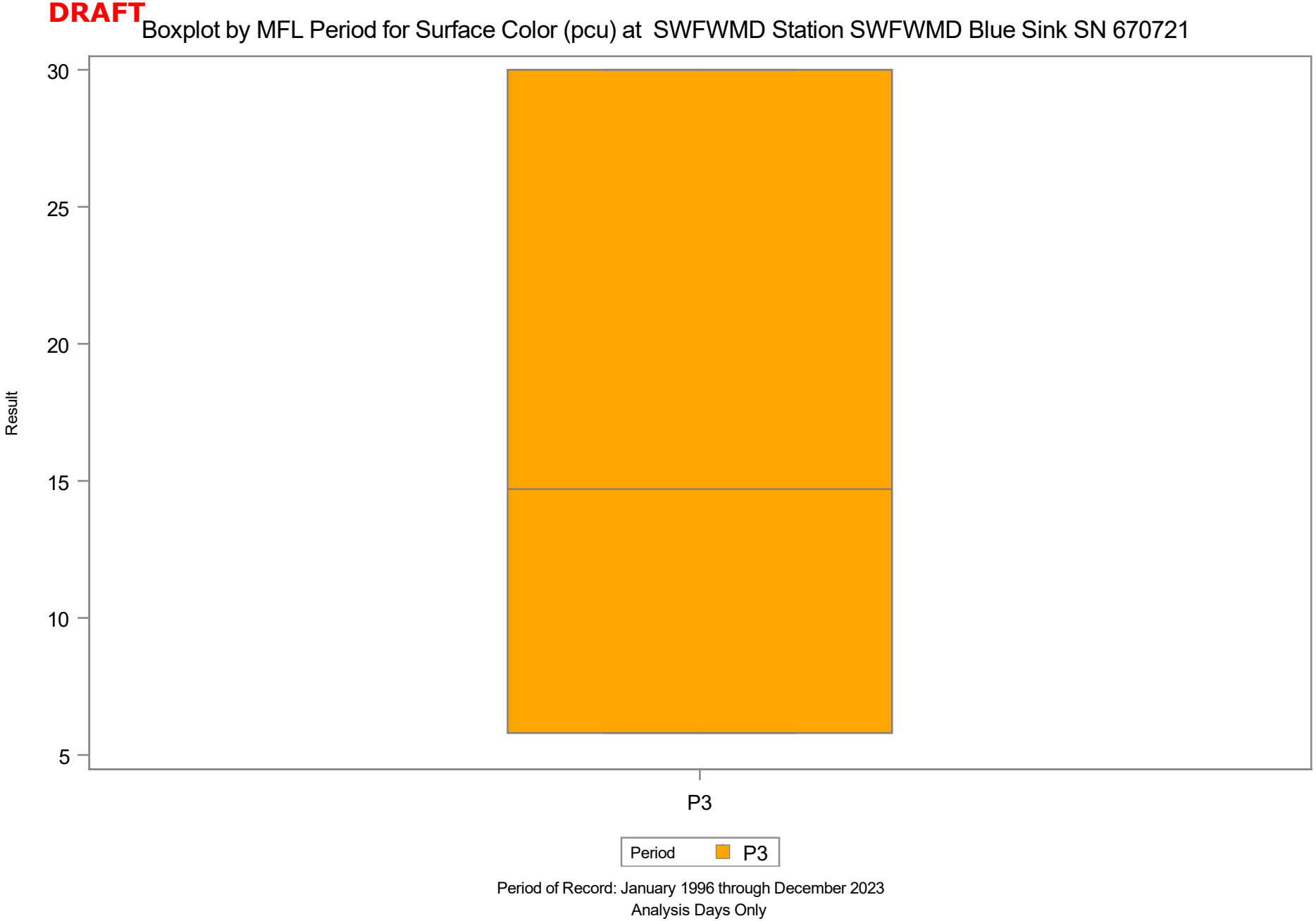
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at SWFWMD Station SWFWMD Blue Sink SN 670721

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	3	5.80	5.80	16.83	14.70	30.00	30.00

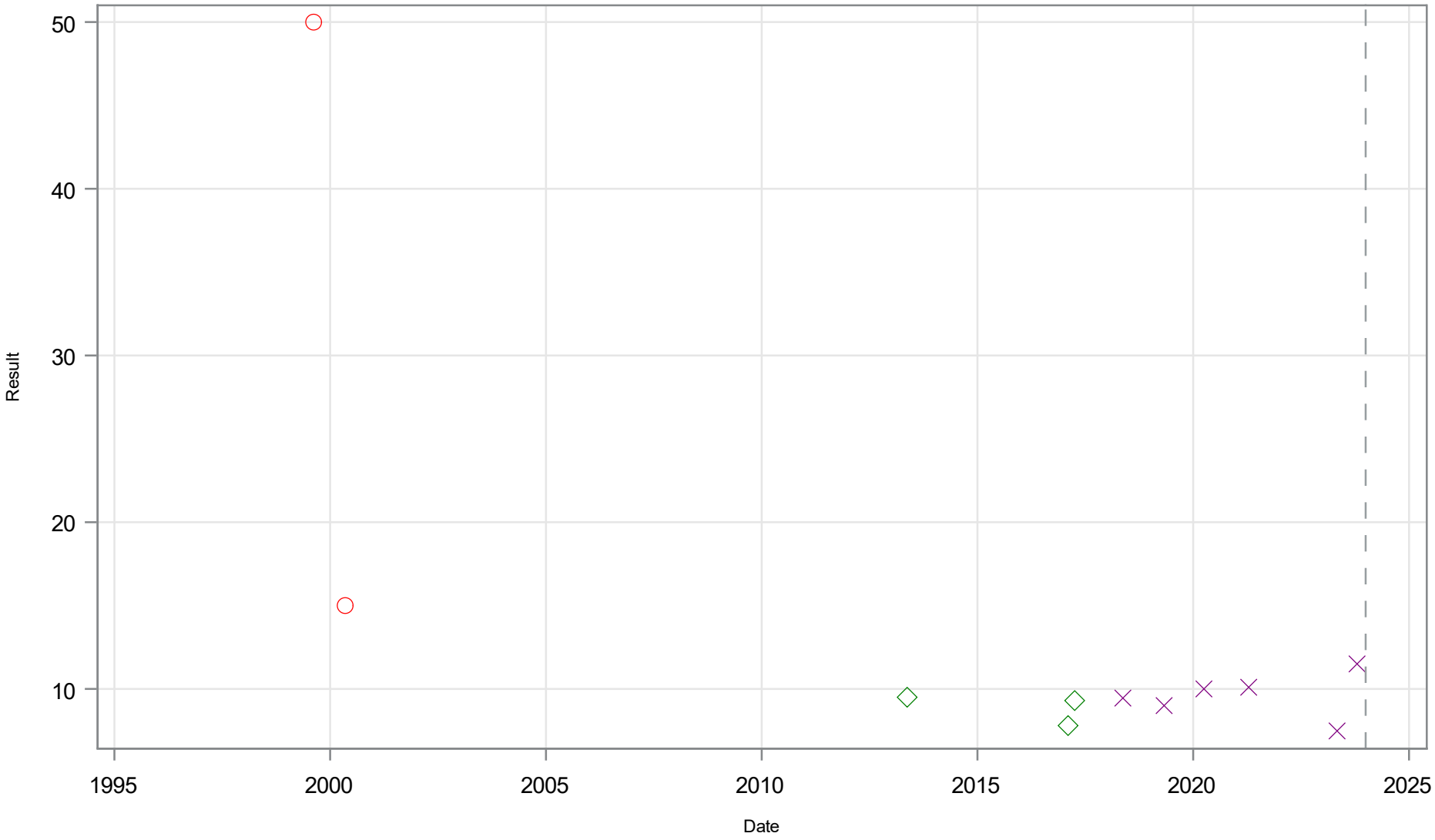
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Color (pcu) at SWFWMD Station SWFWMD Blue Sink SN 670721
Result
30
25
20
15
10
5
P3
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

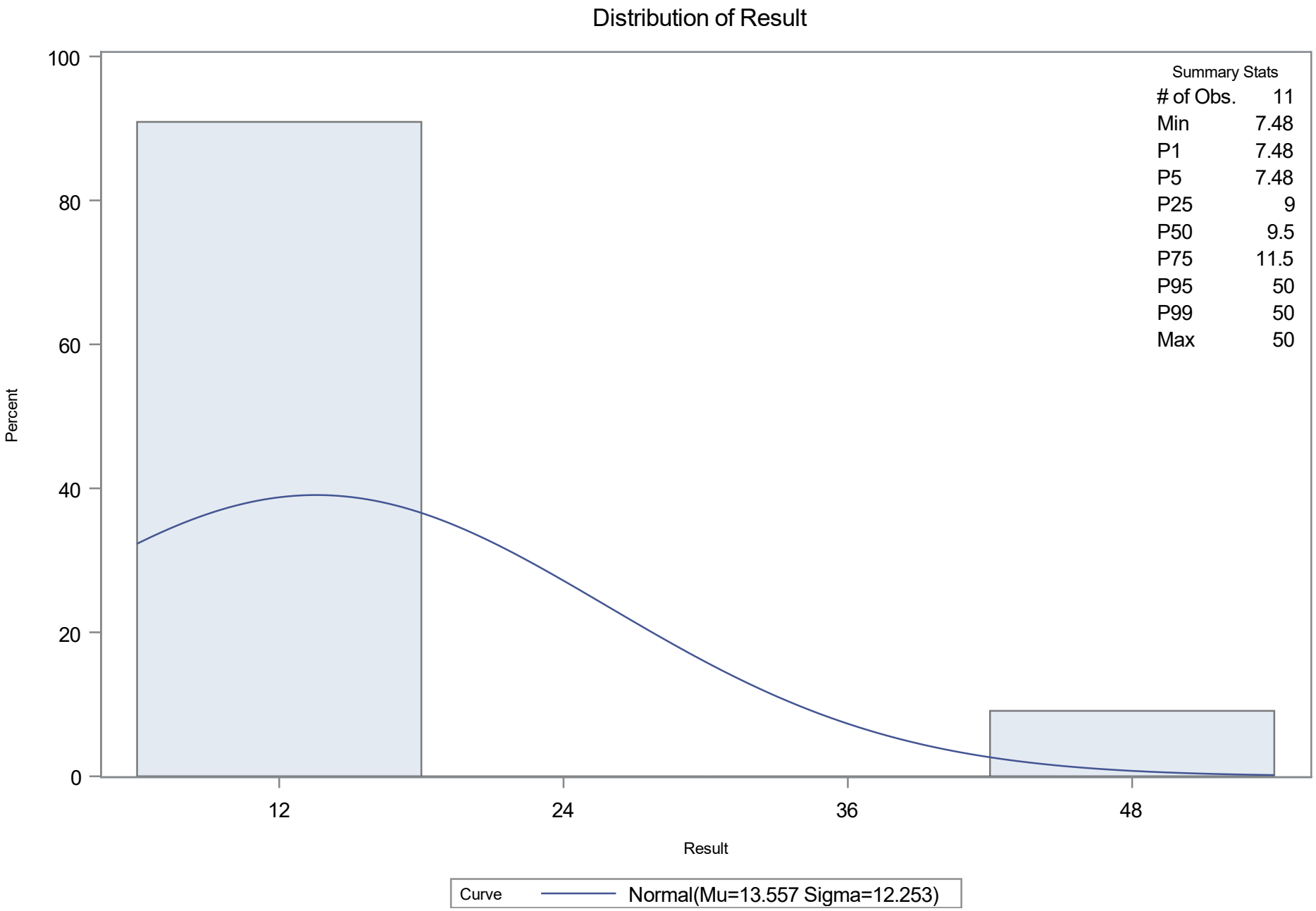
Timeseries of Surface Color (pcu) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.55727
Std Dev	Sigma	12.25274

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.38485204	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.49318657	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.54543677	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.48000	-14.94687
5.0	7.48000	-6.59669
10.0	7.80000	-2.14525
25.0	9.00000	5.29292
50.0	9.50000	13.55727
75.0	11.50000	21.82162
90.0	15.00000	29.25979
95.0	50.00000	33.71124
99.0	50.00000	42.06141

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

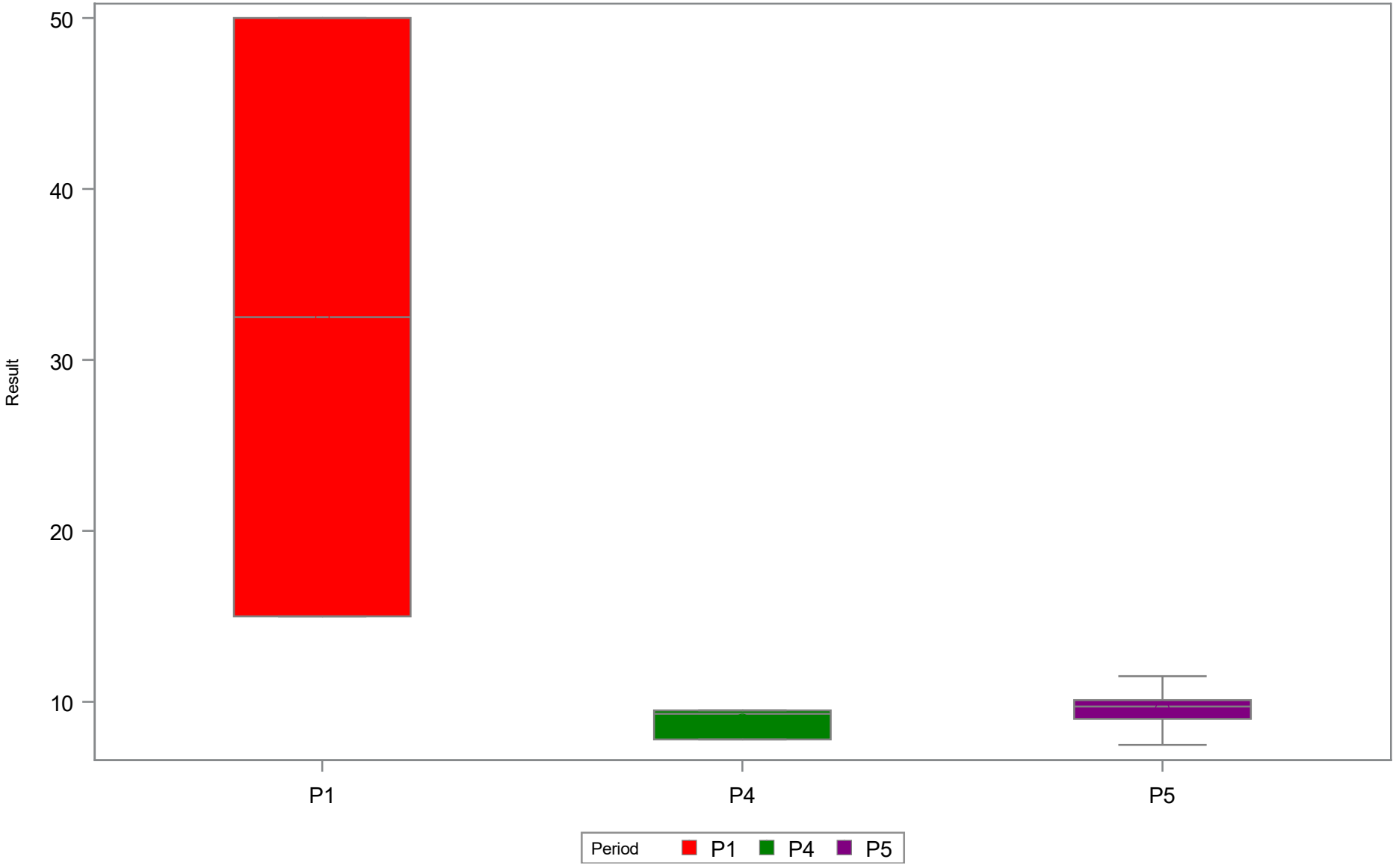
Distributional Statistics by Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	2	15.00	15.00	32.50	32.50	50.00	50.00
P4	3	7.80	7.80	8.87	9.30	9.50	9.50
P5	6	7.48	9.00	9.59	9.73	10.10	11.50

Period of Record: January 1996 through December 2023
Analysis Days Only

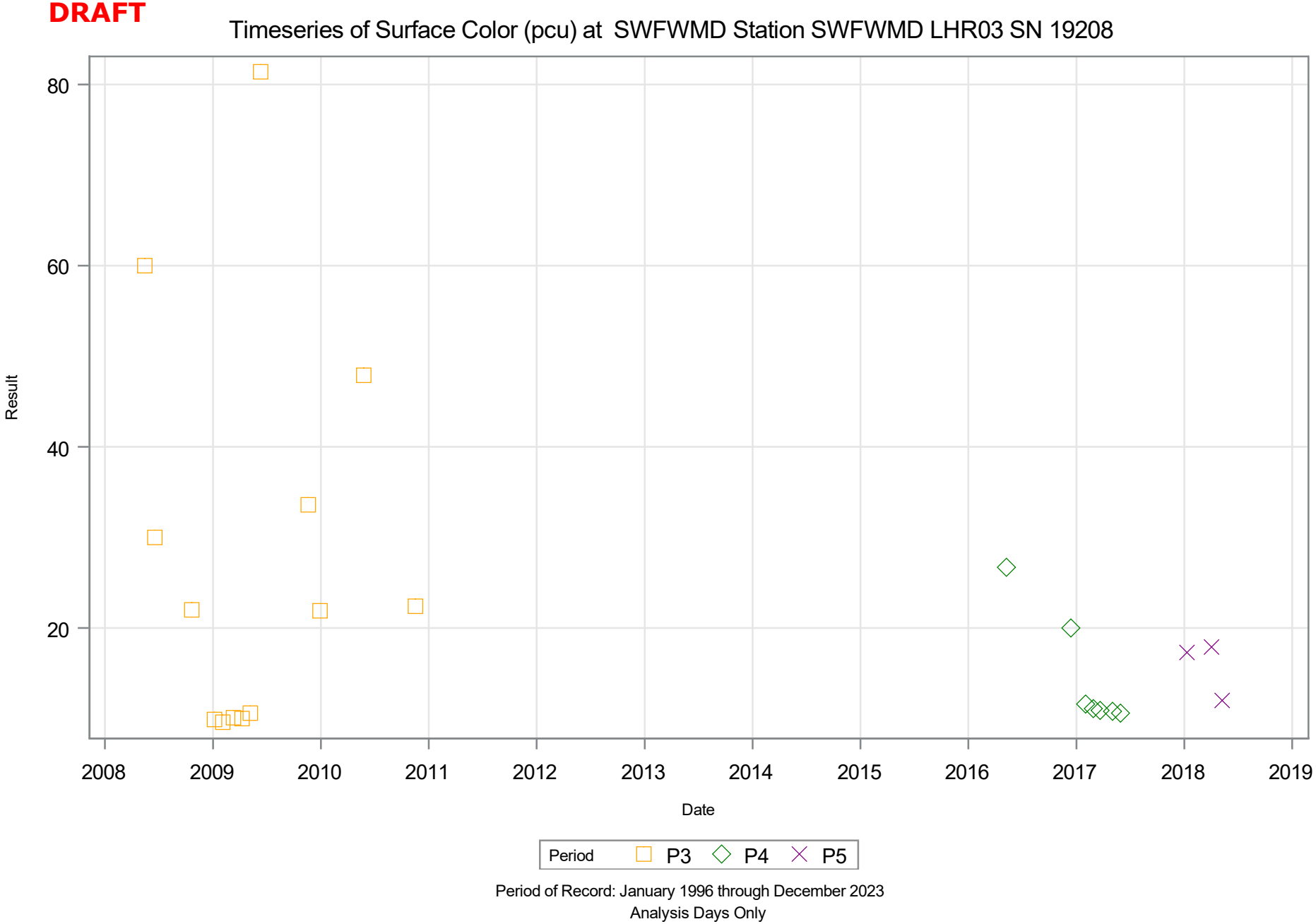
DRAFT

Boxplot by MFL Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



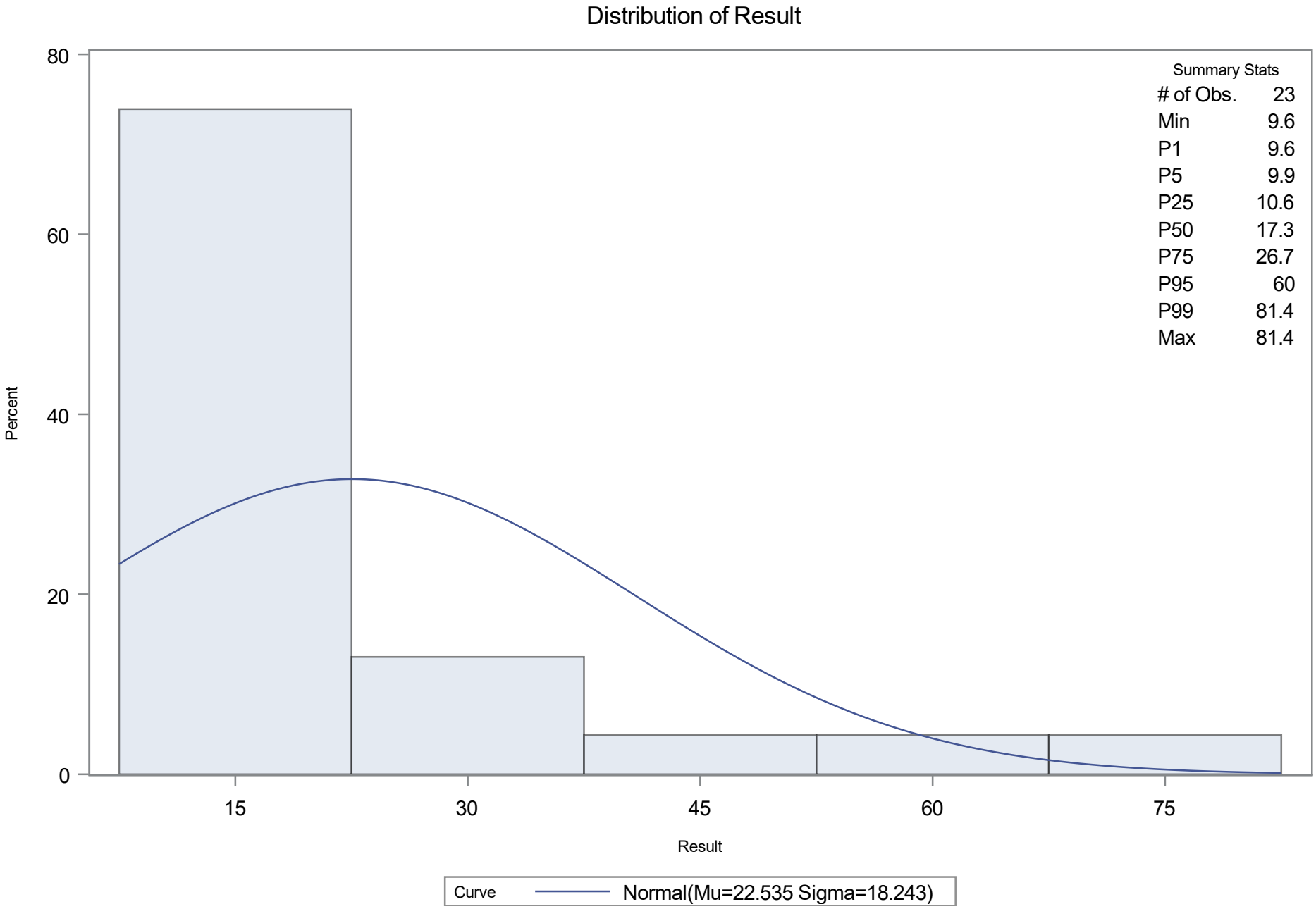
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
80
60
40
20
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.53478
Std Dev	Sigma	18.24285

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24207789	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.40548009	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.29419478	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	9.60000	-19.90443
5.0	9.90000	-7.47203
10.0	10.00000	-0.84437
25.0	10.60000	10.23017
50.0	17.30000	22.53478
75.0	26.70000	34.83940
90.0	47.90000	45.91393
95.0	60.00000	52.54160
99.0	81.40000	64.97399

Period of Record: January 1996 through December 2023
Analysis Days Only

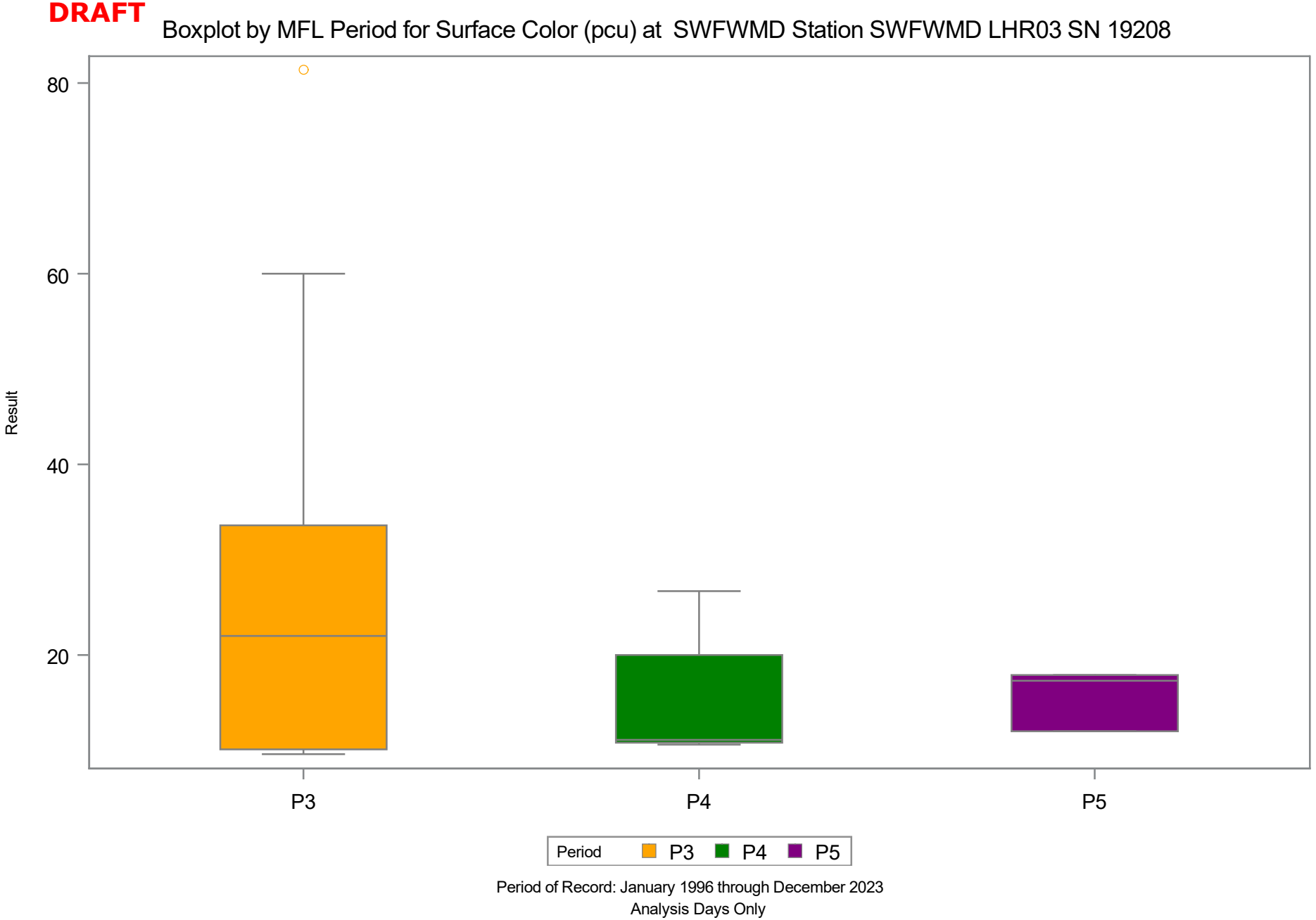
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR03 SN 19208

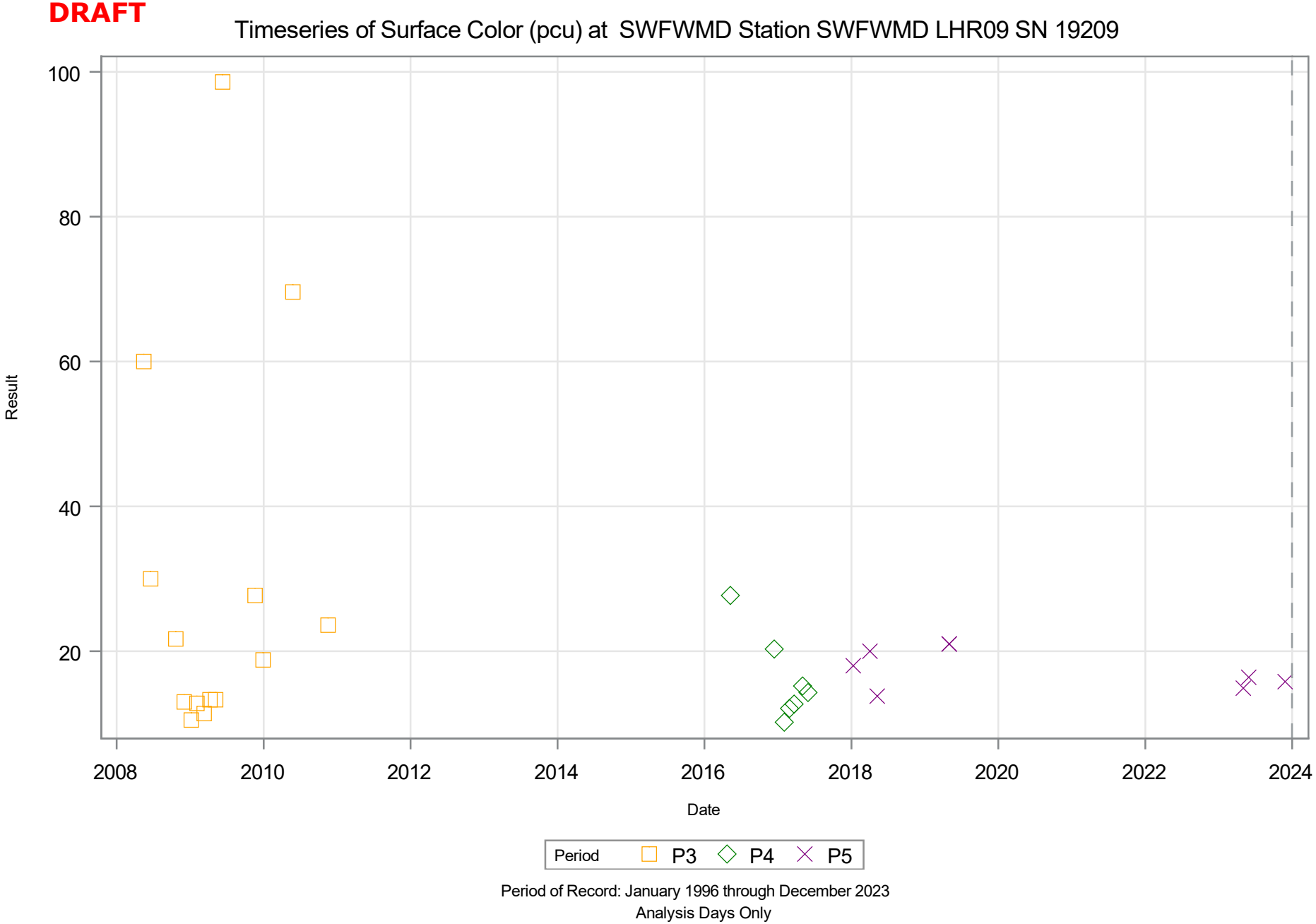
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	9.60	10.10	28.42	22.00	33.60	81.40
P4	7	10.60	10.80	14.53	11.10	20.00	26.70
P5	3	12.00	12.00	15.73	17.30	17.90	17.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

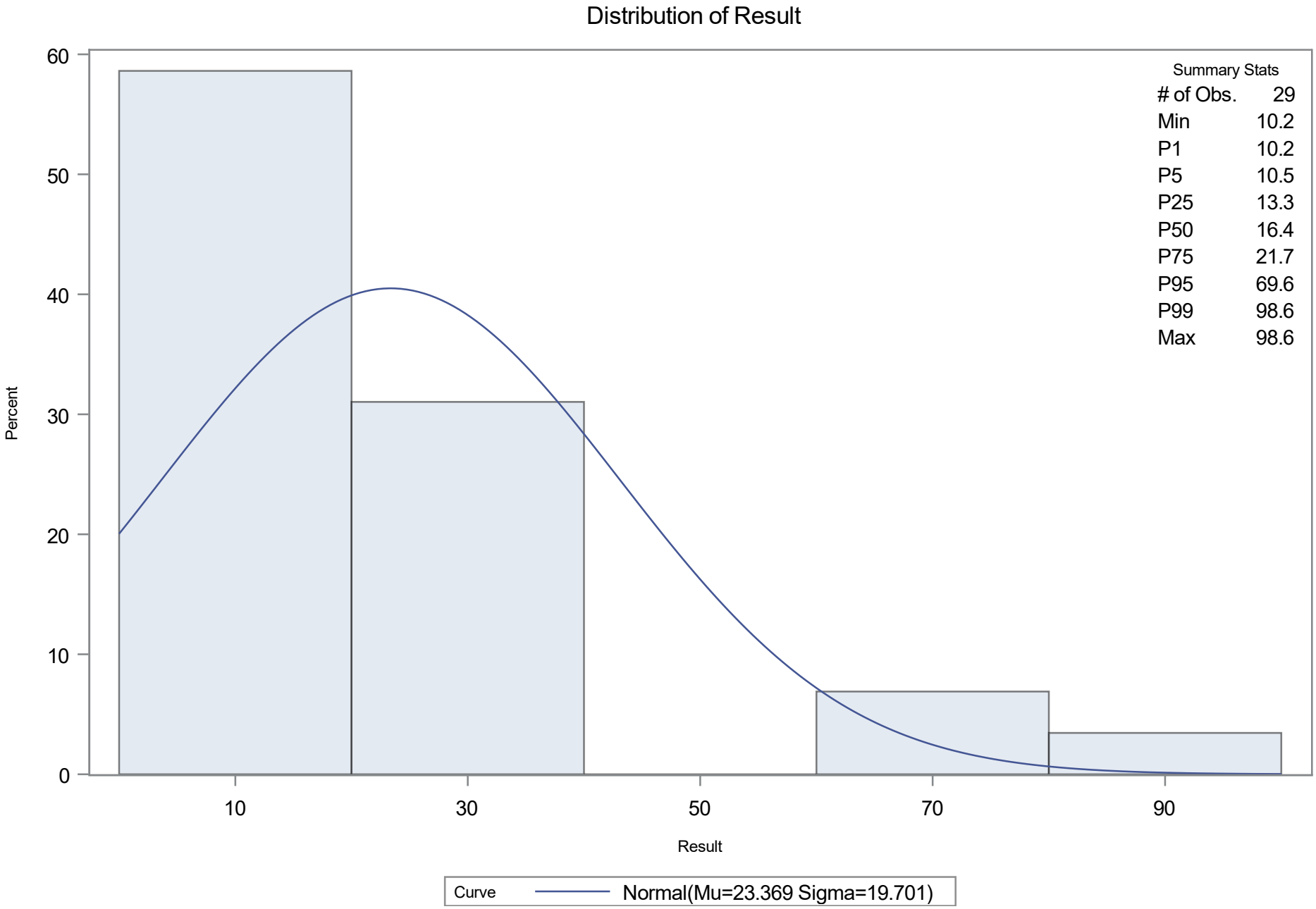

Boxplot by MFL Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
100
80
60
40
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.36897
Std Dev	Sigma	19.70142

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29237590	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.80655284	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.26549236	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.2000	-22.46338
5.0	10.5000	-9.03698
10.0	11.4000	-1.87941
25.0	13.3000	10.08056
50.0	16.4000	23.36897
75.0	21.7000	36.65737
90.0	60.0000	48.61735
95.0	69.6000	55.77491
99.0	98.6000	69.20131

Period of Record: January 1996 through December 2023
Analysis Days Only

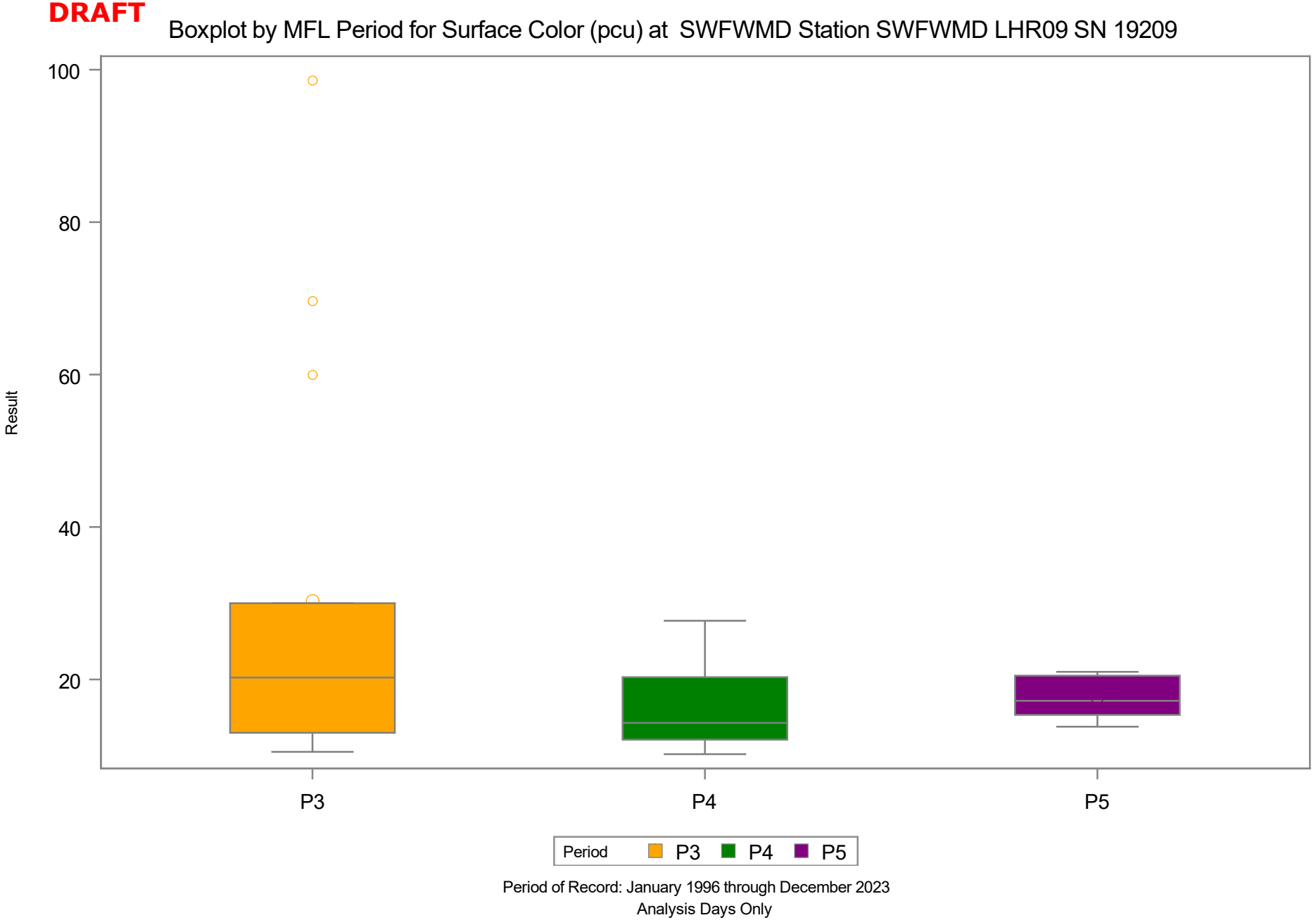
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR09 SN 19209

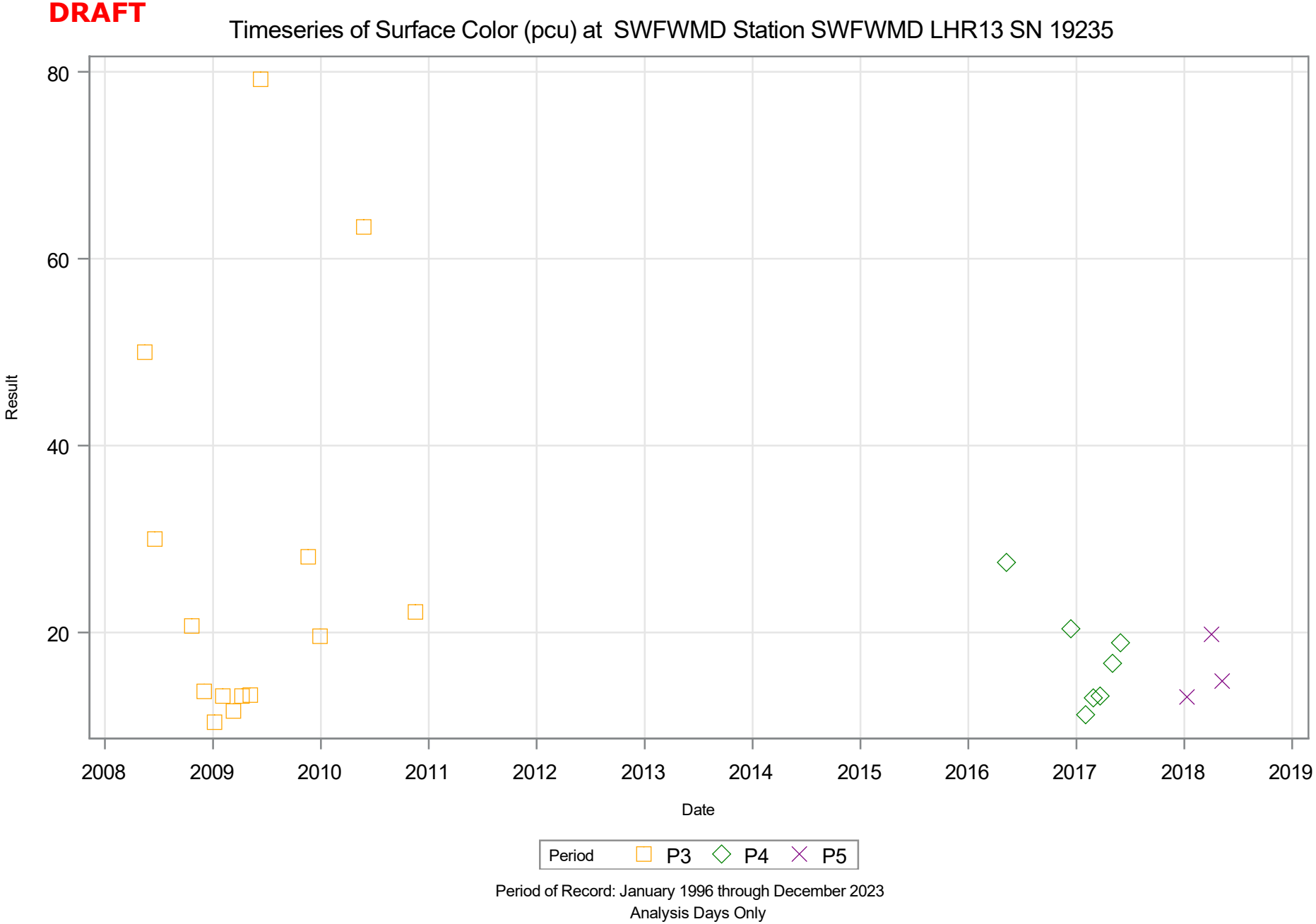
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	10.50	13.00	30.31	20.25	30.00	98.60
P4	7	10.20	12.10	16.07	14.30	20.30	27.70
P5	8	13.80	15.35	17.61	17.20	20.50	21.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

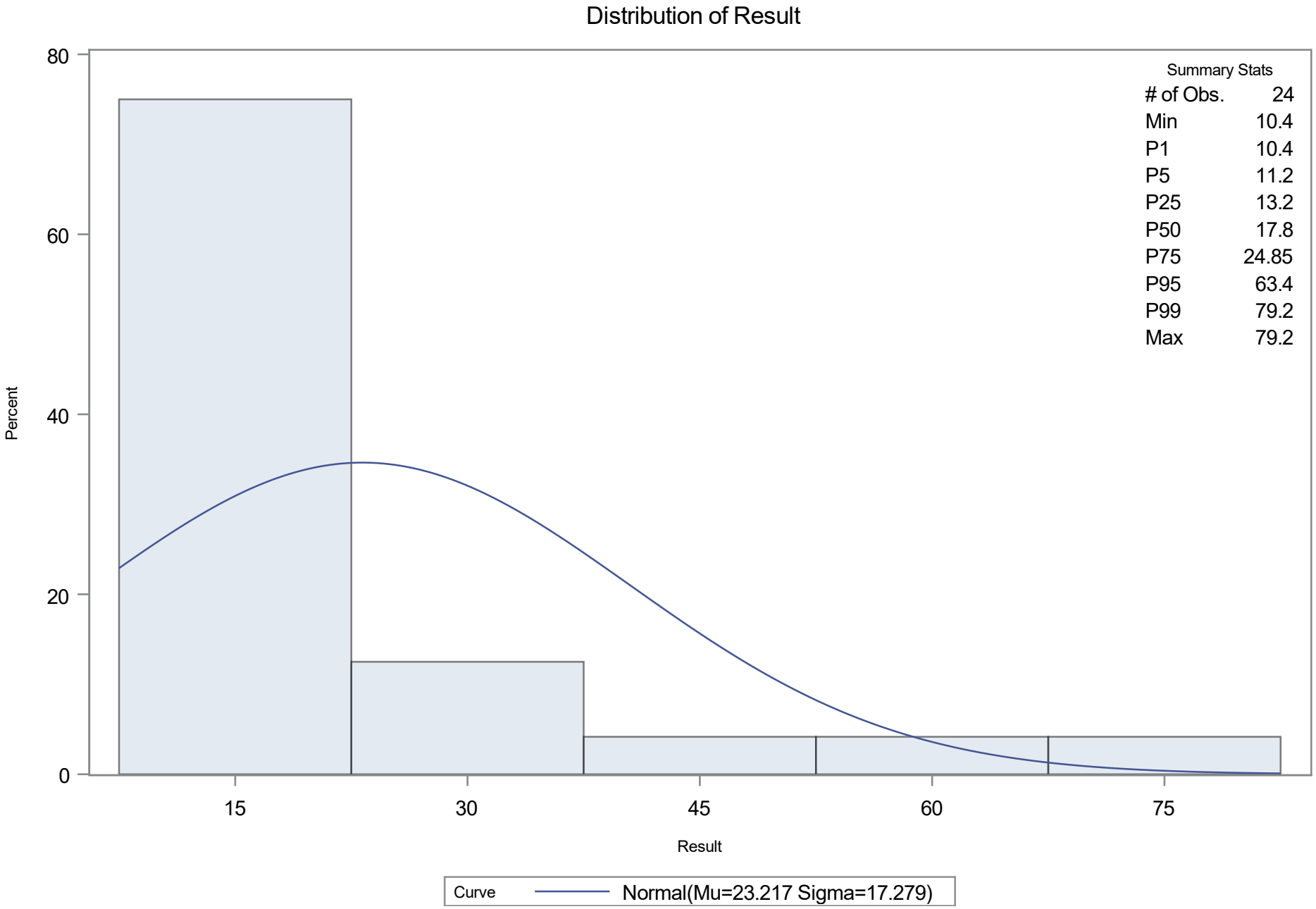

Boxplot by MFL Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
100
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
80
60
40
20
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.21667
Std Dev	Sigma	17.27858

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27346011	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.53111472	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.90410825	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.4000	-16.97932
5.0	11.2000	-5.20407
10.0	11.6000	1.07328
25.0	13.2000	11.56244
50.0	17.8000	23.21667
75.0	24.8500	34.87089
90.0	50.0000	45.36006
95.0	63.4000	51.63740
99.0	79.2000	63.41265

Period of Record: January 1996 through December 2023
Analysis Days Only

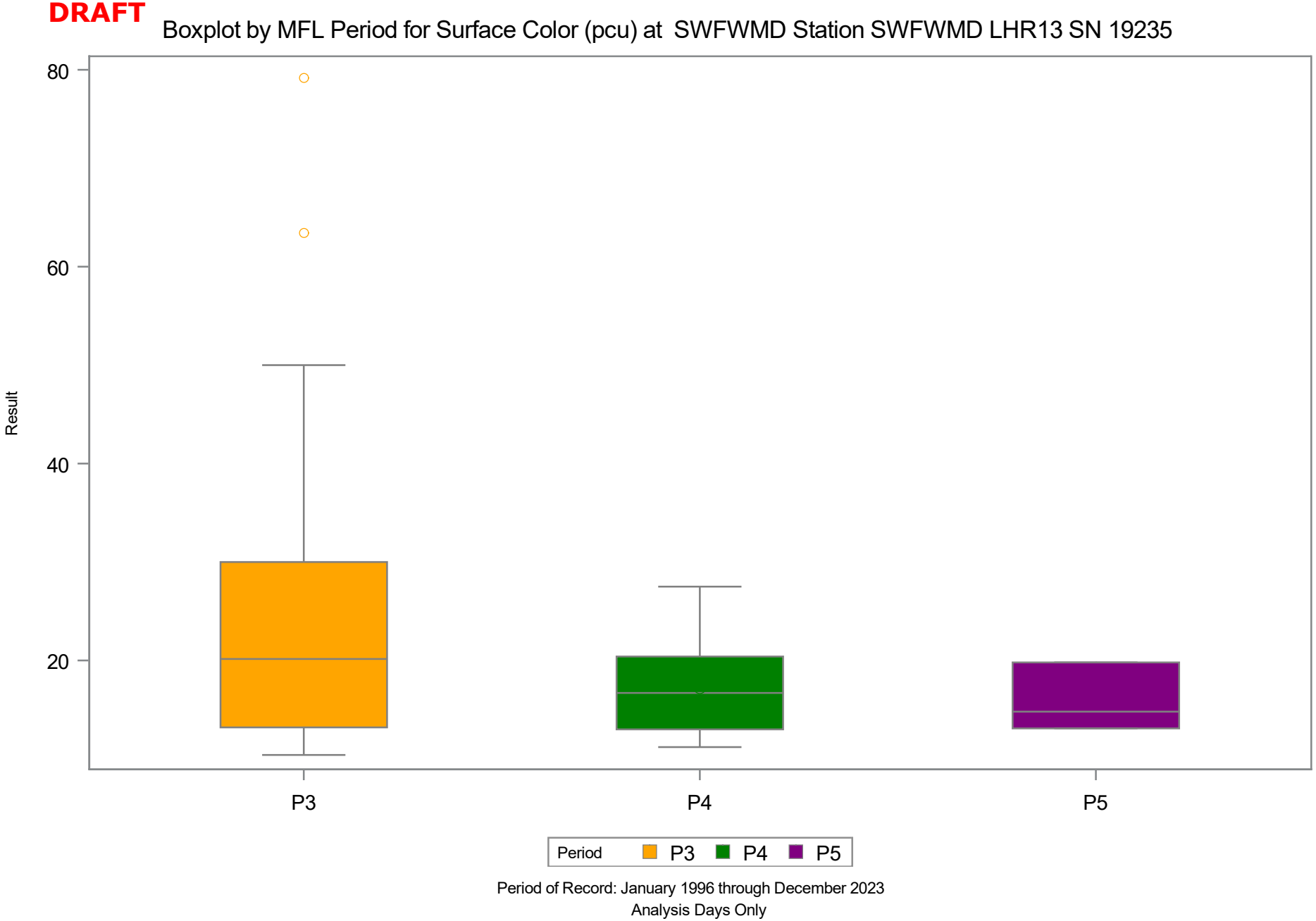
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR13 SN 19235

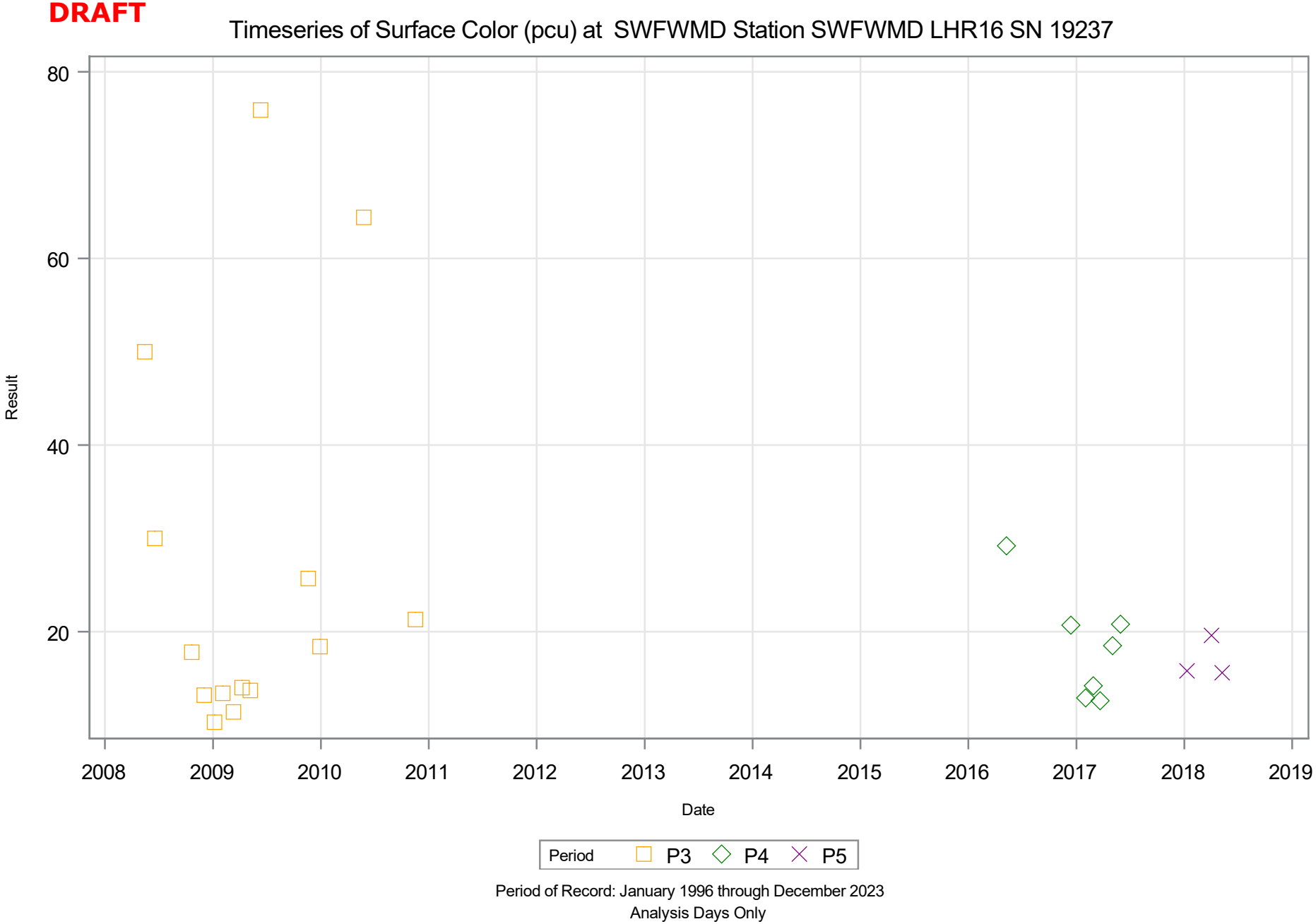
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	10.40	13.20	27.76	20.15	30.00	79.20
P4	7	11.20	13.00	17.27	16.70	20.40	27.50
P5	3	13.10	13.10	15.90	14.80	19.80	19.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

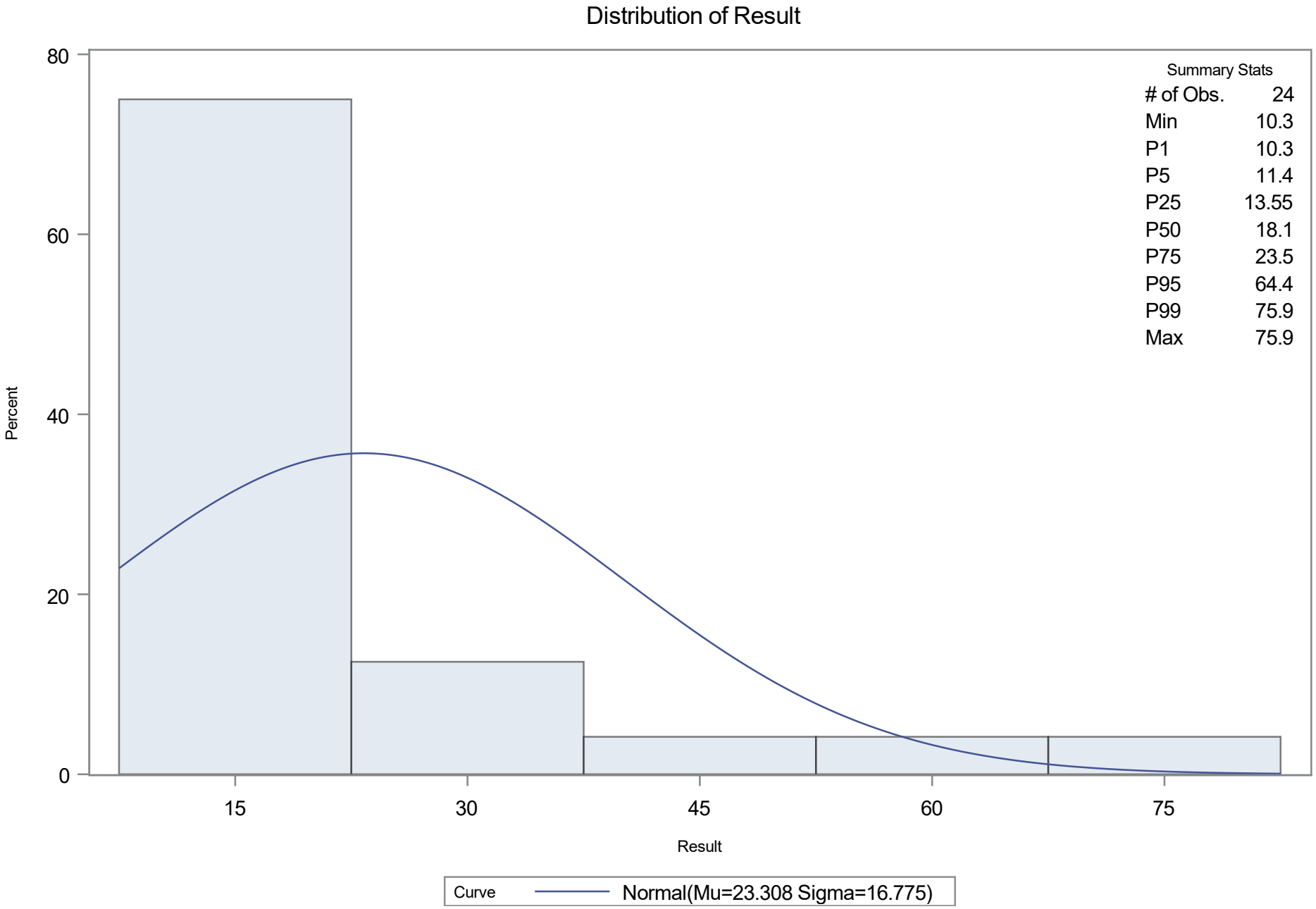

Boxplot by MFL Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
80
60
40
20
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.30833
Std Dev	Sigma	16.7755

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29764683	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.54528949	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.97121056	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.3000	-15.71731
5.0	11.4000	-4.28490
10.0	12.6000	1.80967
25.0	13.5500	11.99343
50.0	18.1000	23.30833
75.0	23.5000	34.62323
90.0	50.0000	44.80700
95.0	64.4000	50.90157
99.0	75.9000	62.33398

Period of Record: January 1996 through December 2023
Analysis Days Only

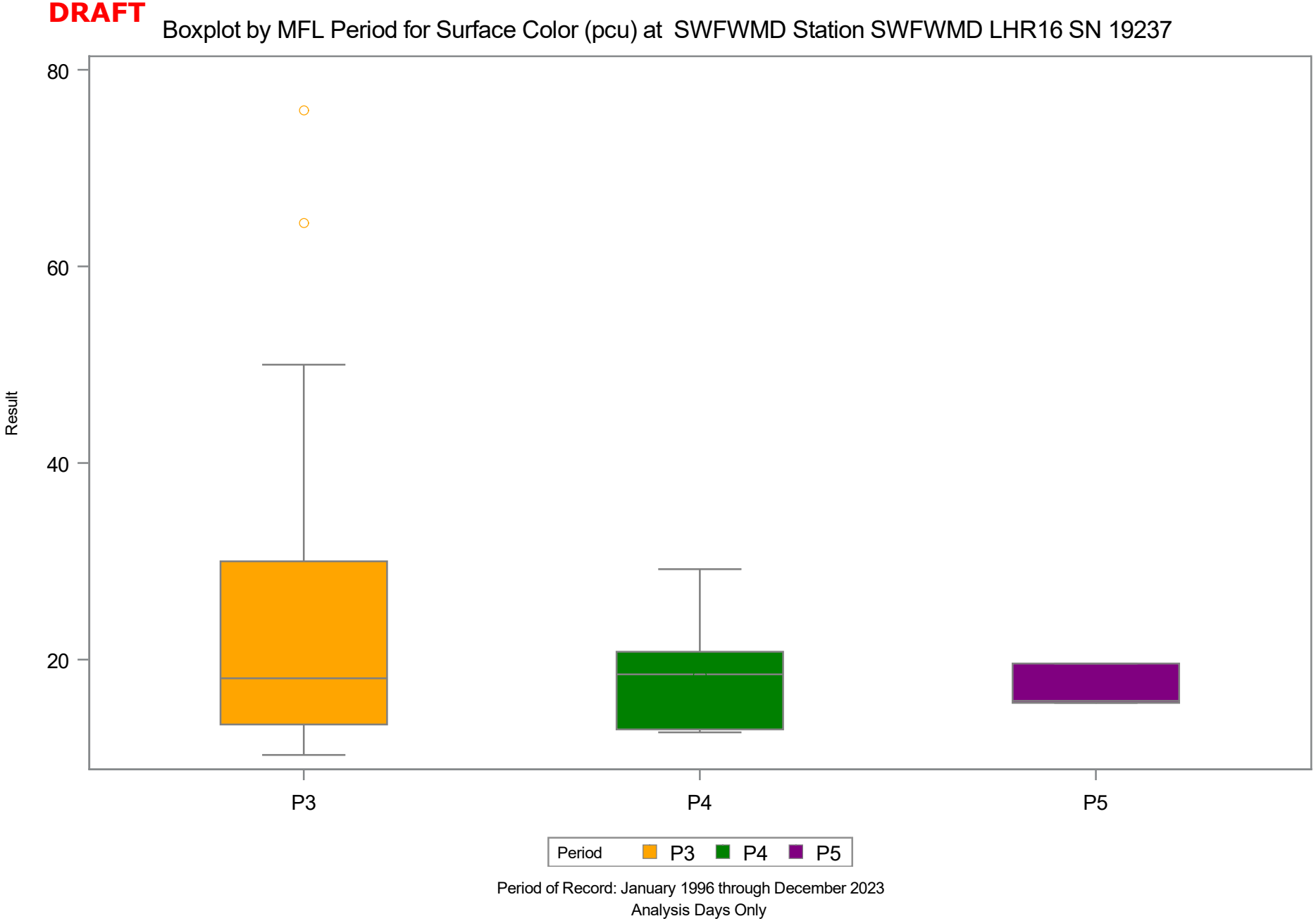
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR16 SN 19237

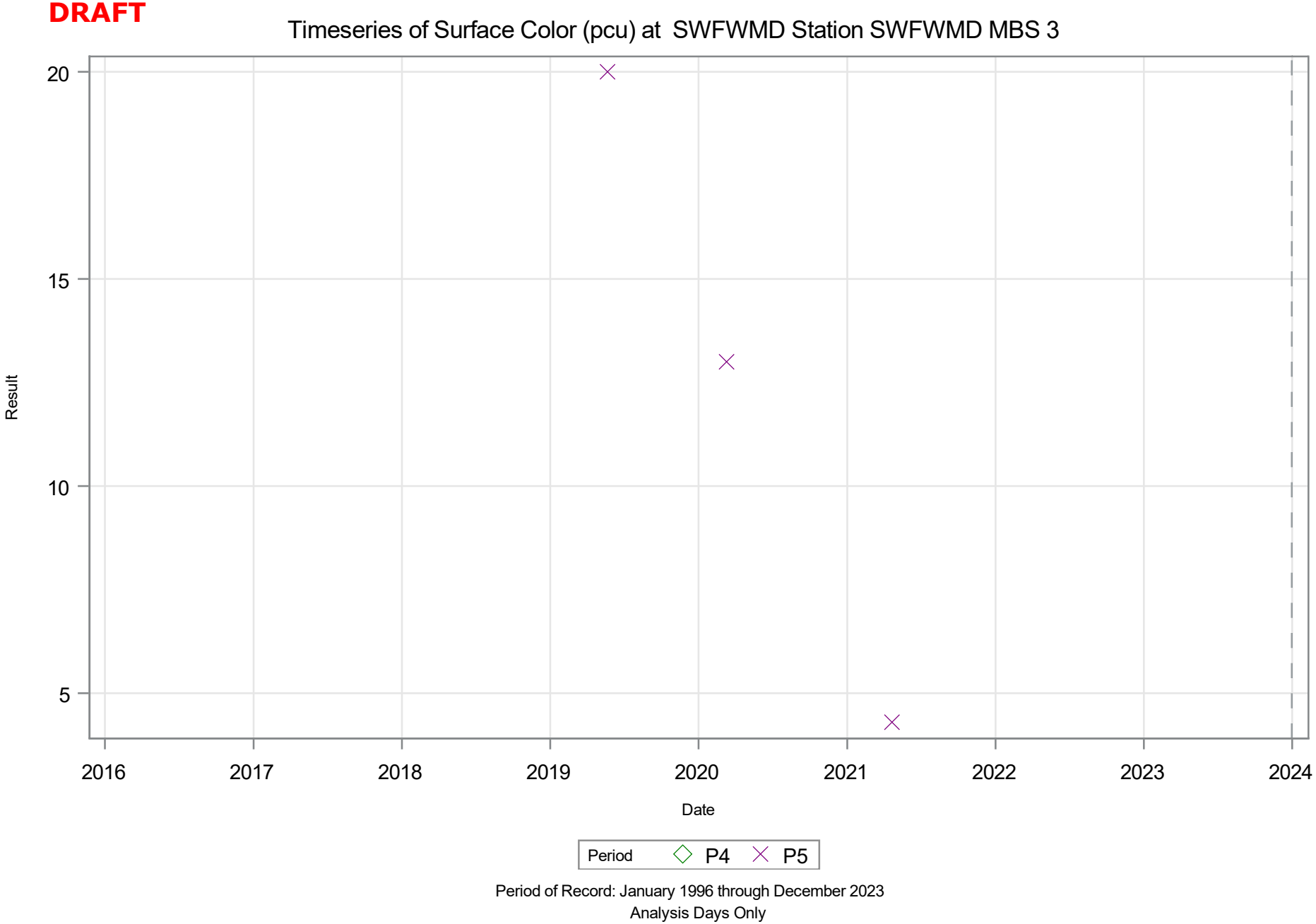
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	10.30	13.40	27.11	18.10	30.00	75.90
P4	7	12.60	12.90	18.41	18.50	20.80	29.20
P5	3	15.60	15.60	17.00	15.80	19.60	19.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

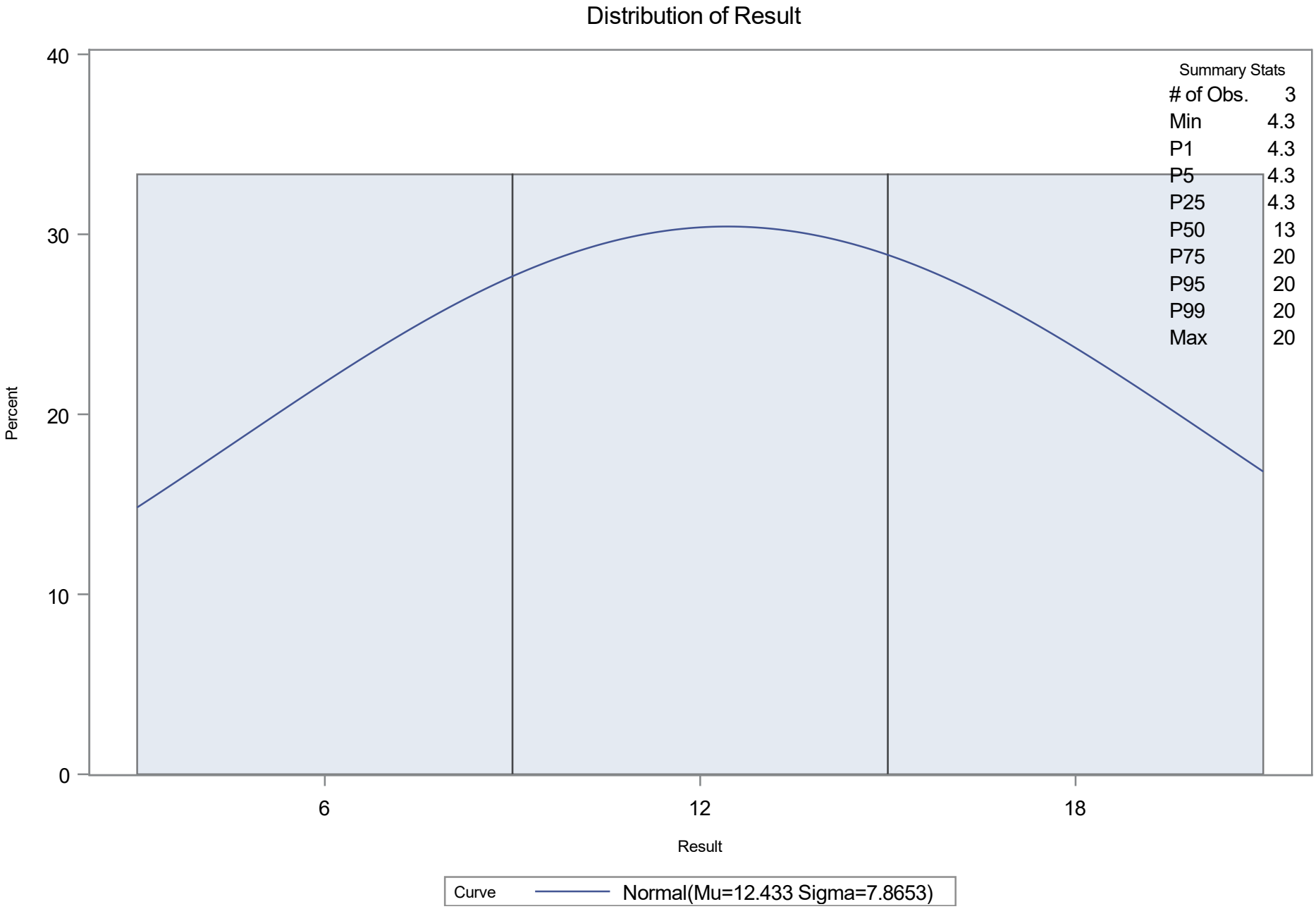

Boxplot by MFL Period for Surface Color (pcu) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at SWFWMD Station SWFWMD MBS 3
Result
20
15
10
5
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.43333
Std Dev	Sigma	7.865325

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19538409	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02886402	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19383093	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.30000	-5.86415
5.0	4.30000	-0.50397
10.0	4.30000	2.35351
25.0	4.30000	7.12825
50.0	13.00000	12.43333
75.0	20.00000	17.73841
90.0	20.00000	22.51315
95.0	20.00000	25.37064
99.0	20.00000	30.73081

Period of Record: January 1996 through December 2023
Analysis Days Only

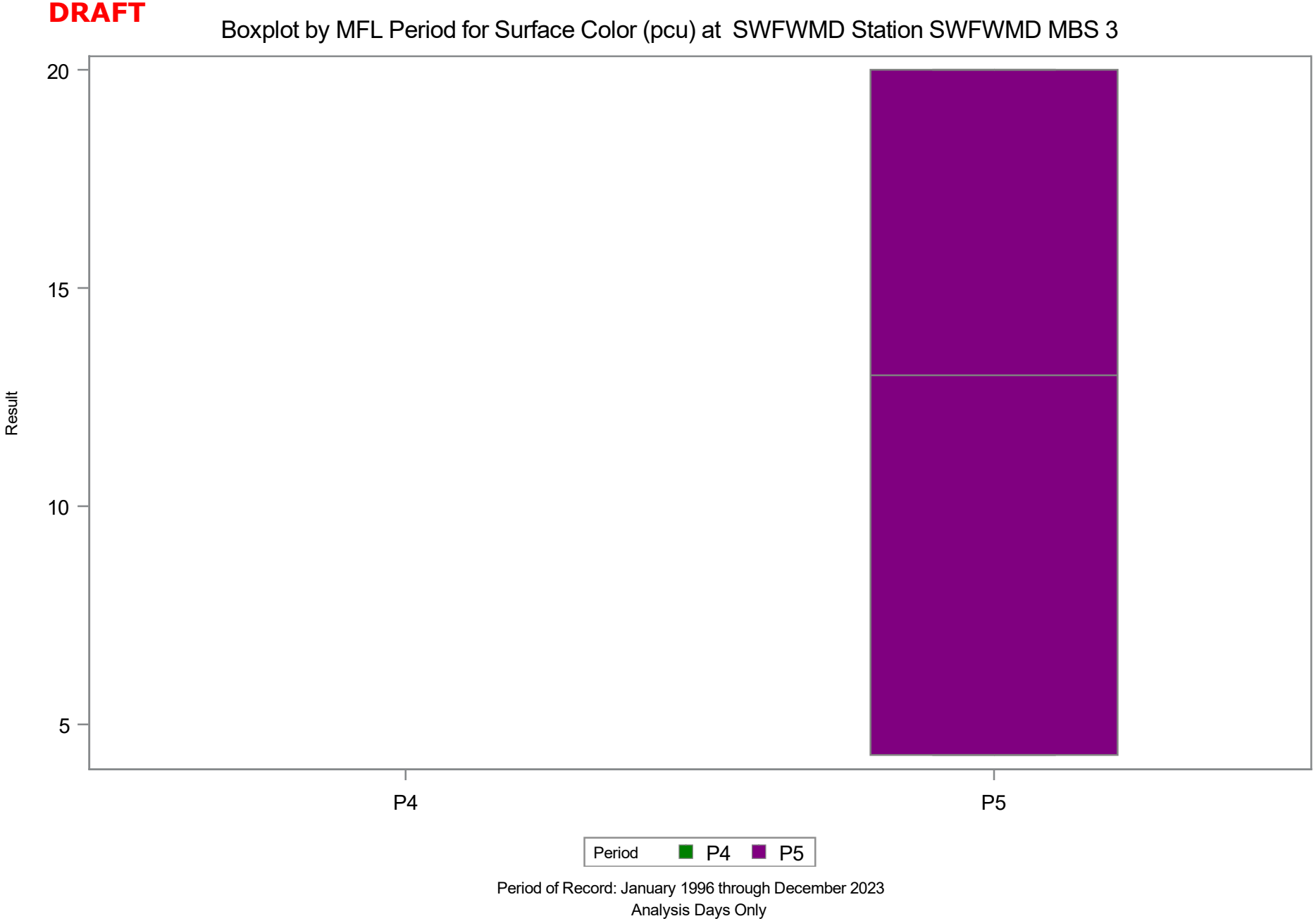
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at SWFWMD Station SWFWMD MBS 3

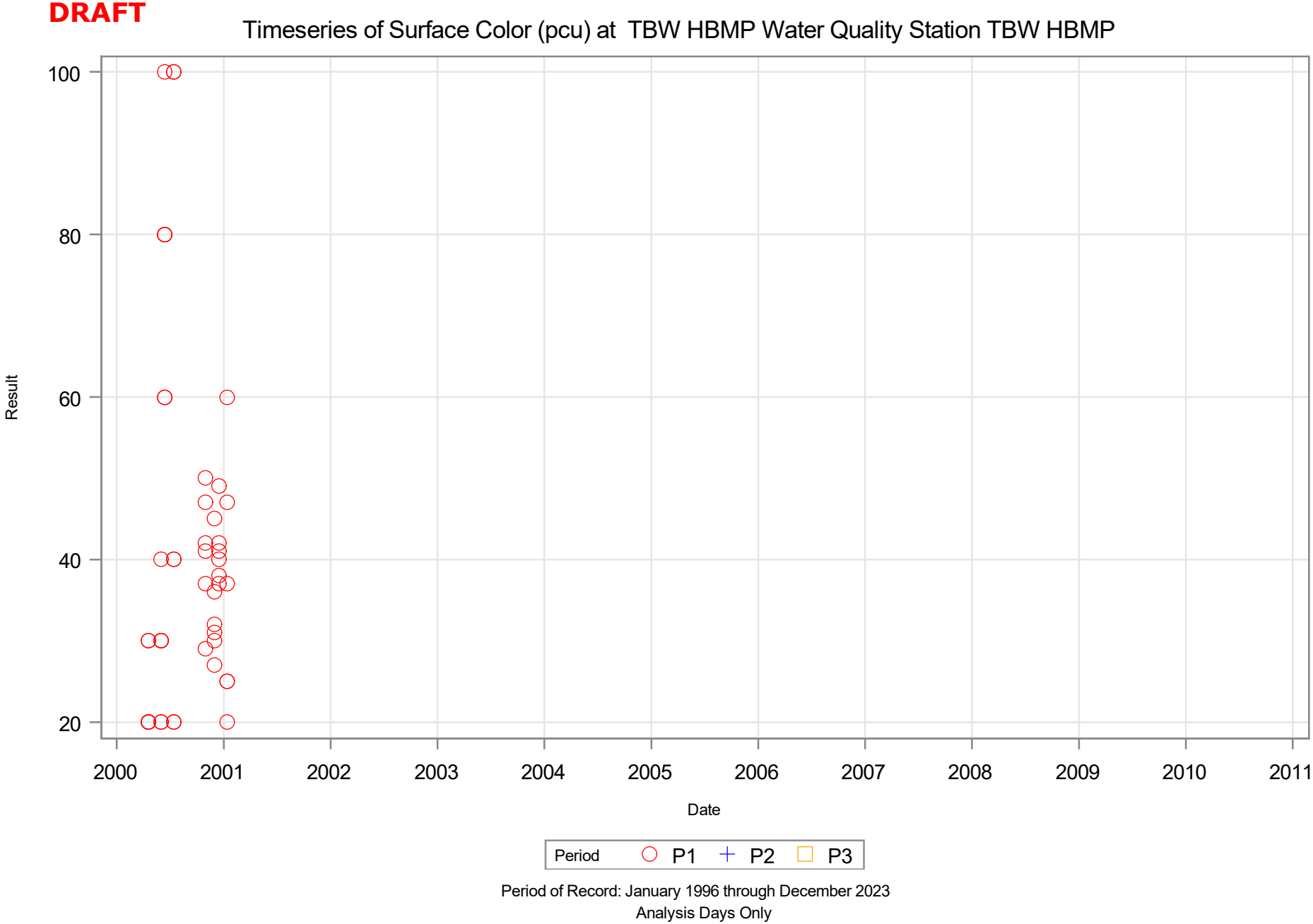
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	3	4.30	4.30	12.43	13.00	20.00	20.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

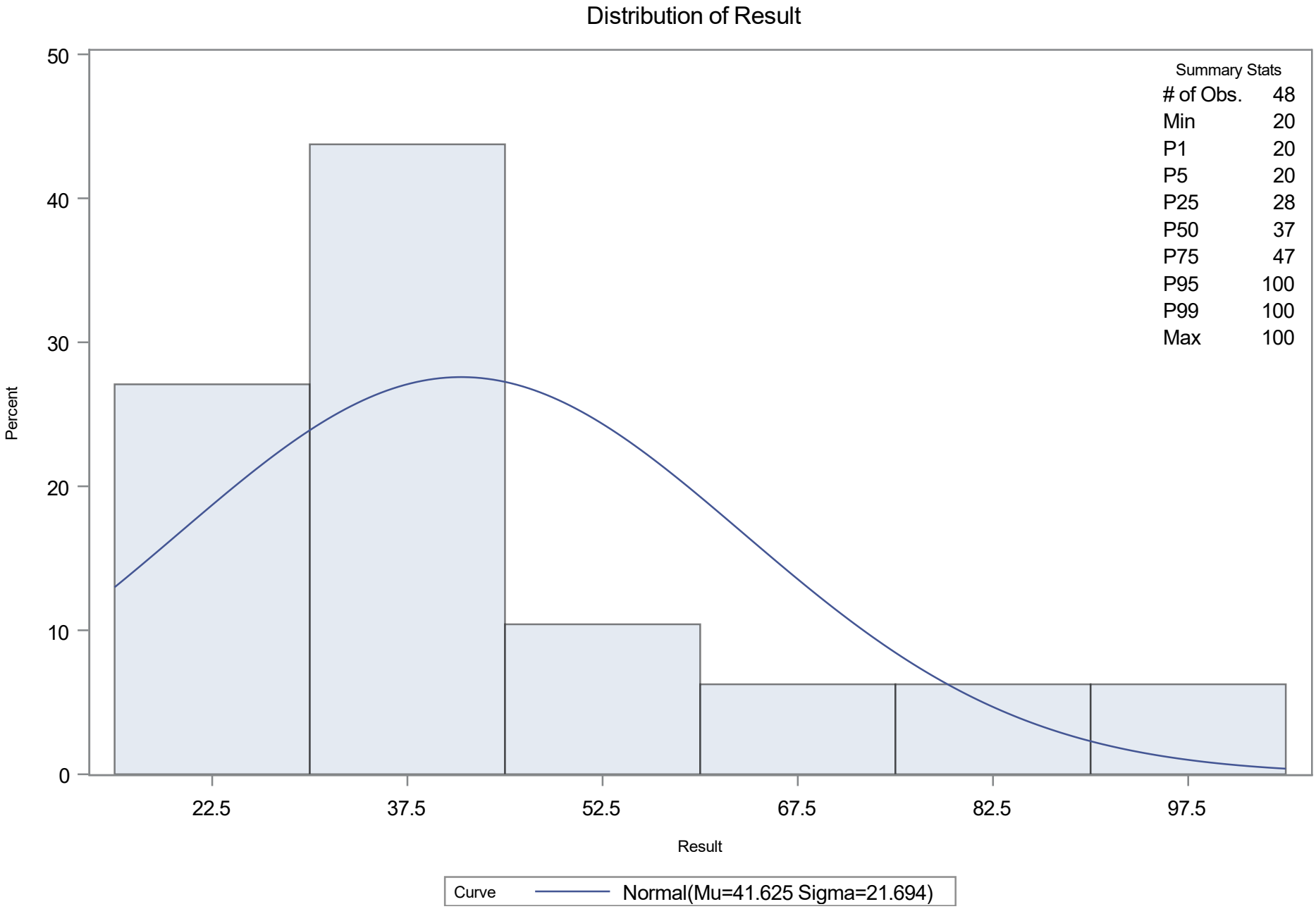

Boxplot by MFL Period for Surface Color (pcu) at SWFWMD Station SWFWMD MBS 3
Result
20
15
10
5
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color (pcu) at TBW HBMP Water Quality Station TBW HBMP
Result
100
80
60
40
20
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color (pcu) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	41.625
Std Dev	Sigma	21.69383

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20143755	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.43569017	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.69508137	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.0000	-8.84240
5.0	20.0000	5.94182
10.0	20.0000	13.82324
25.0	28.0000	26.99273
50.0	37.0000	41.62500
75.0	47.0000	56.25727
90.0	80.0000	69.42676
95.0	100.0000	77.30818
99.0	100.0000	92.09240

Period of Record: January 1996 through December 2023
Analysis Days Only

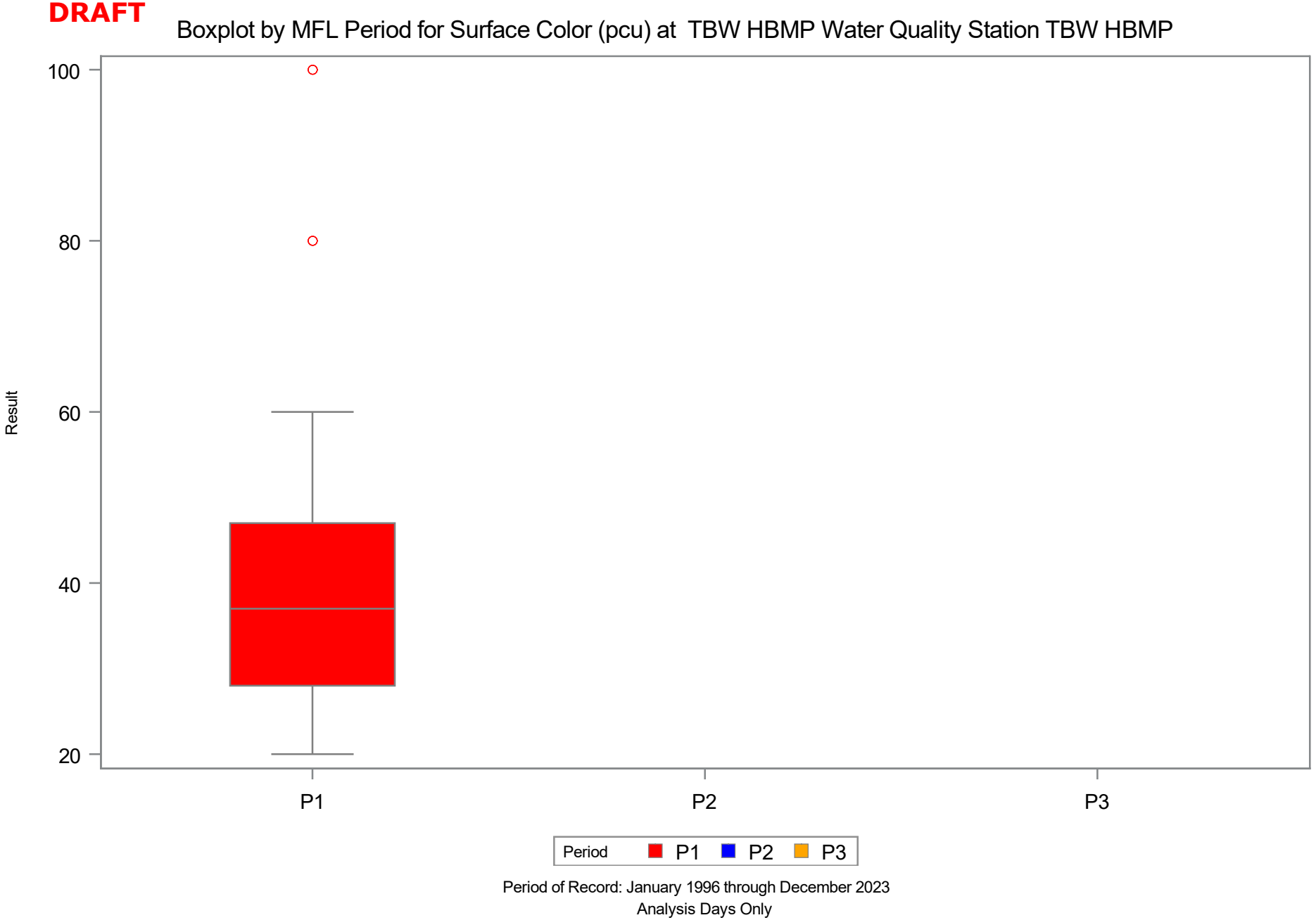
DRAFT

Distributional Statistics by Period for Surface Color (pcu) at TBW HBMP Water Quality Station TBW HBMP

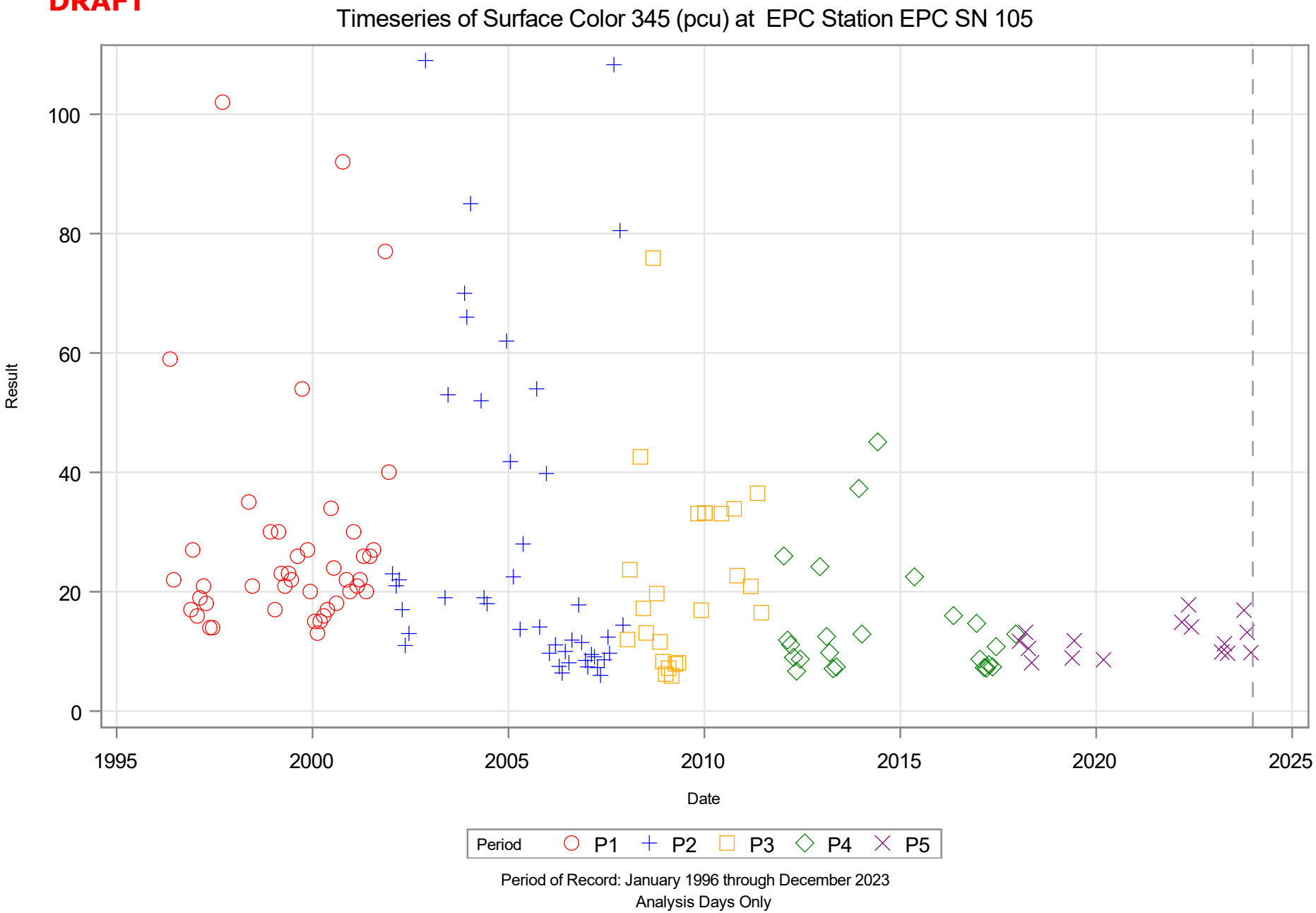
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	48	20.00	28.00	41.63	37.00	47.00	100.00
P2	0	0	0	0	0	0	0
P3	0	0	0	0	0	0	0

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

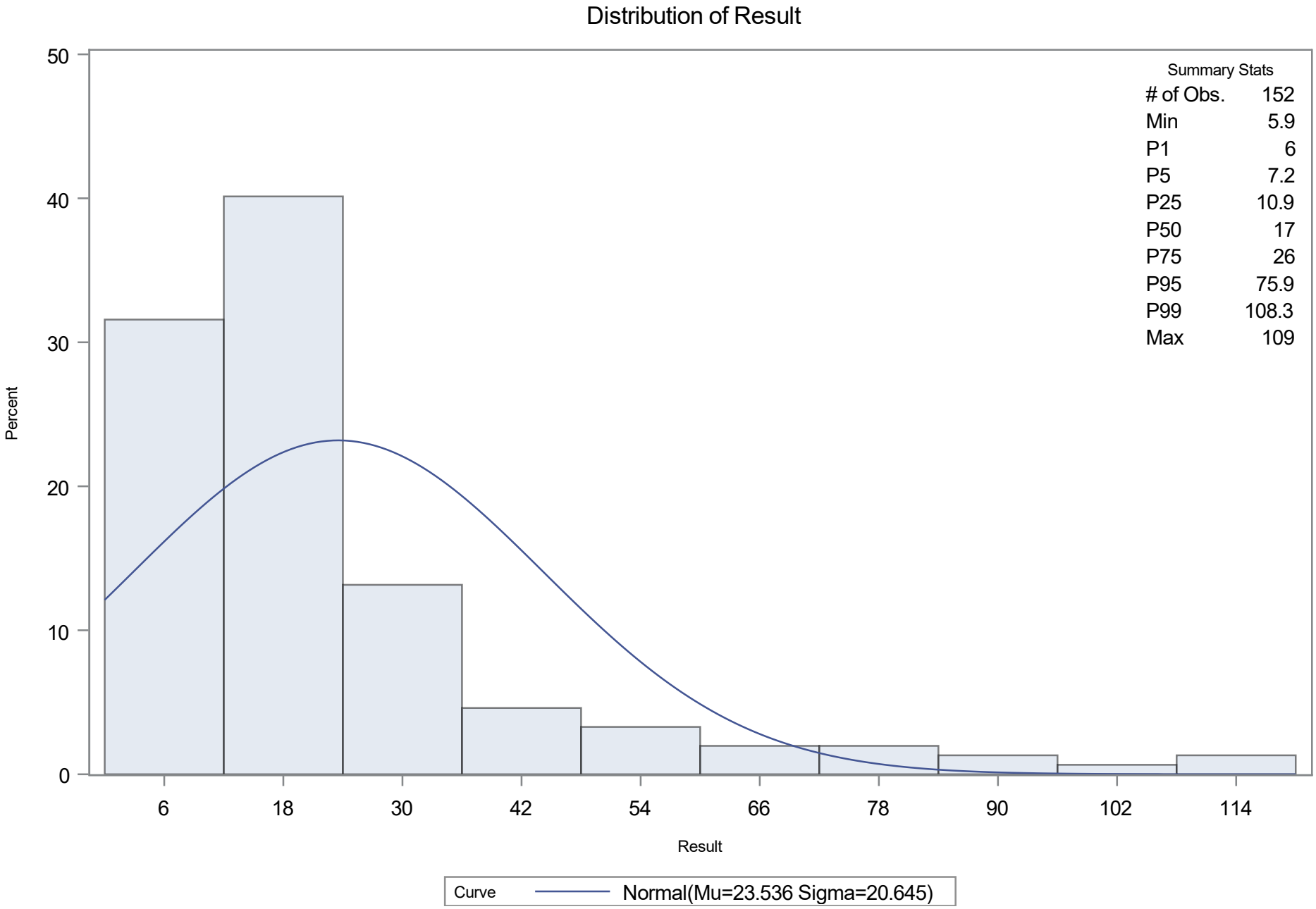

Boxplot by MFL Period for Surface Color (pcu) at TBW HBMP Water Quality Station TBW HBMP
Result
100
80
60
40
20
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 105
Result
100
80
60
40
20
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.53553
Std Dev	Sigma	20.64454

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2208739	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.3650768	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.2323289	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.00000	-24.49086
5.0	7.20000	-10.42172
10.0	7.90000	-2.92152
25.0	10.90000	9.61099
50.0	17.00000	23.53553
75.0	26.00000	37.46006
90.0	52.00000	49.99257
95.0	75.90000	57.49278
99.0	108.30000	71.56191

Period of Record: January 1996 through December 2023
Analysis Days Only

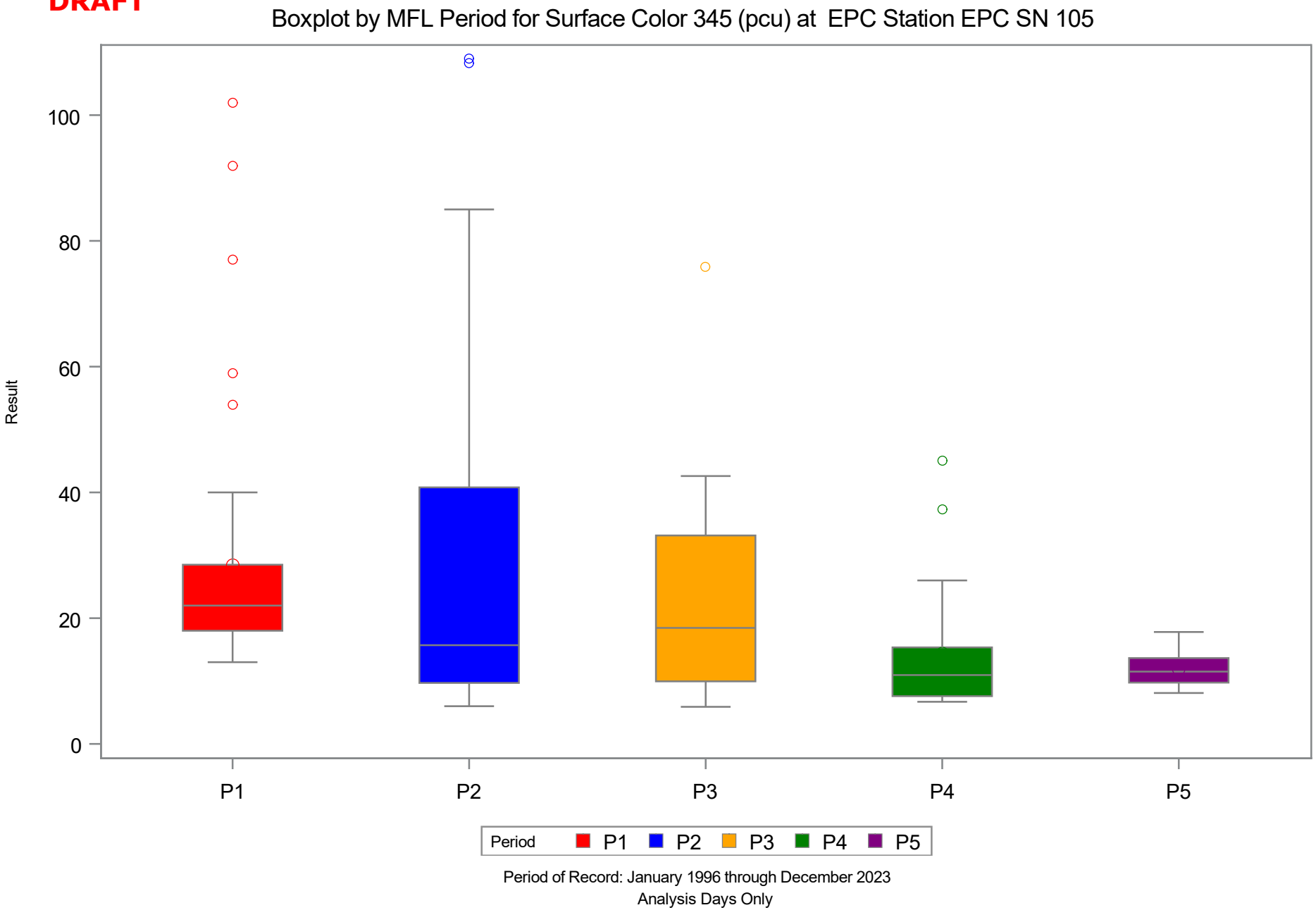
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 105

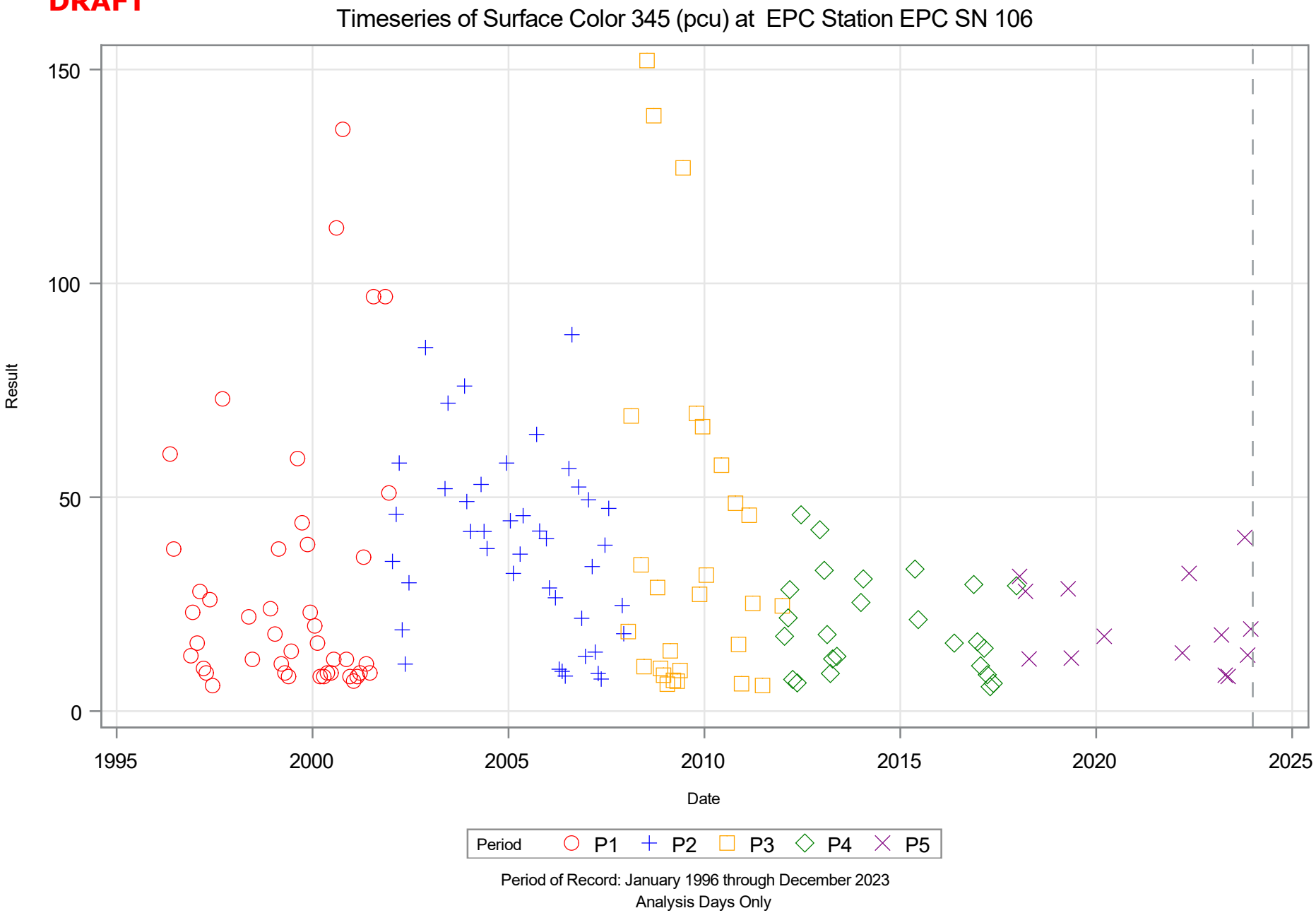
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	13.00	18.00	28.48	22.00	28.50	102.00
P2	44	6.00	9.70	28.40	15.70	40.80	109.00
P3	24	5.90	9.95	22.47	18.45	33.15	75.90
P4	24	6.70	7.60	14.38	10.95	15.35	45.10
P5	16	8.10	9.75	11.90	11.50	13.65	17.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

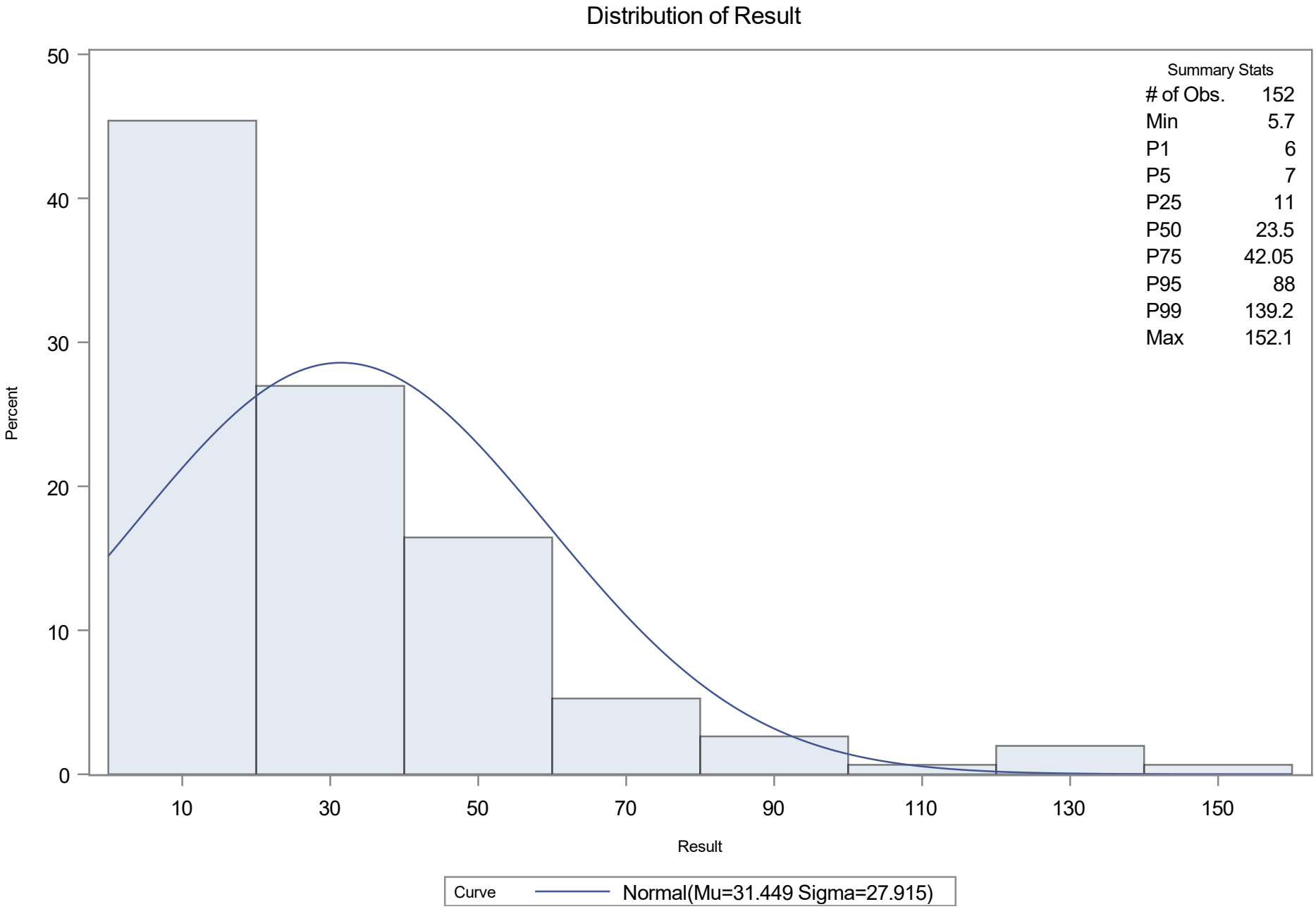

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 105
Result
100
80
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 106
150
100
50
0
Result
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	31.44868
Std Dev	Sigma	27.91521

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17816282	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.30709249	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.08858773	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.00000	-33.49180
5.0	7.00000	-14.46775
10.0	8.00000	-4.32609
25.0	11.00000	12.62016
50.0	23.50000	31.44868
75.0	42.05000	50.27721
90.0	64.70000	67.22346
95.0	88.00000	77.36511
99.0	139.20000	96.38917

Period of Record: January 1996 through December 2023
Analysis Days Only

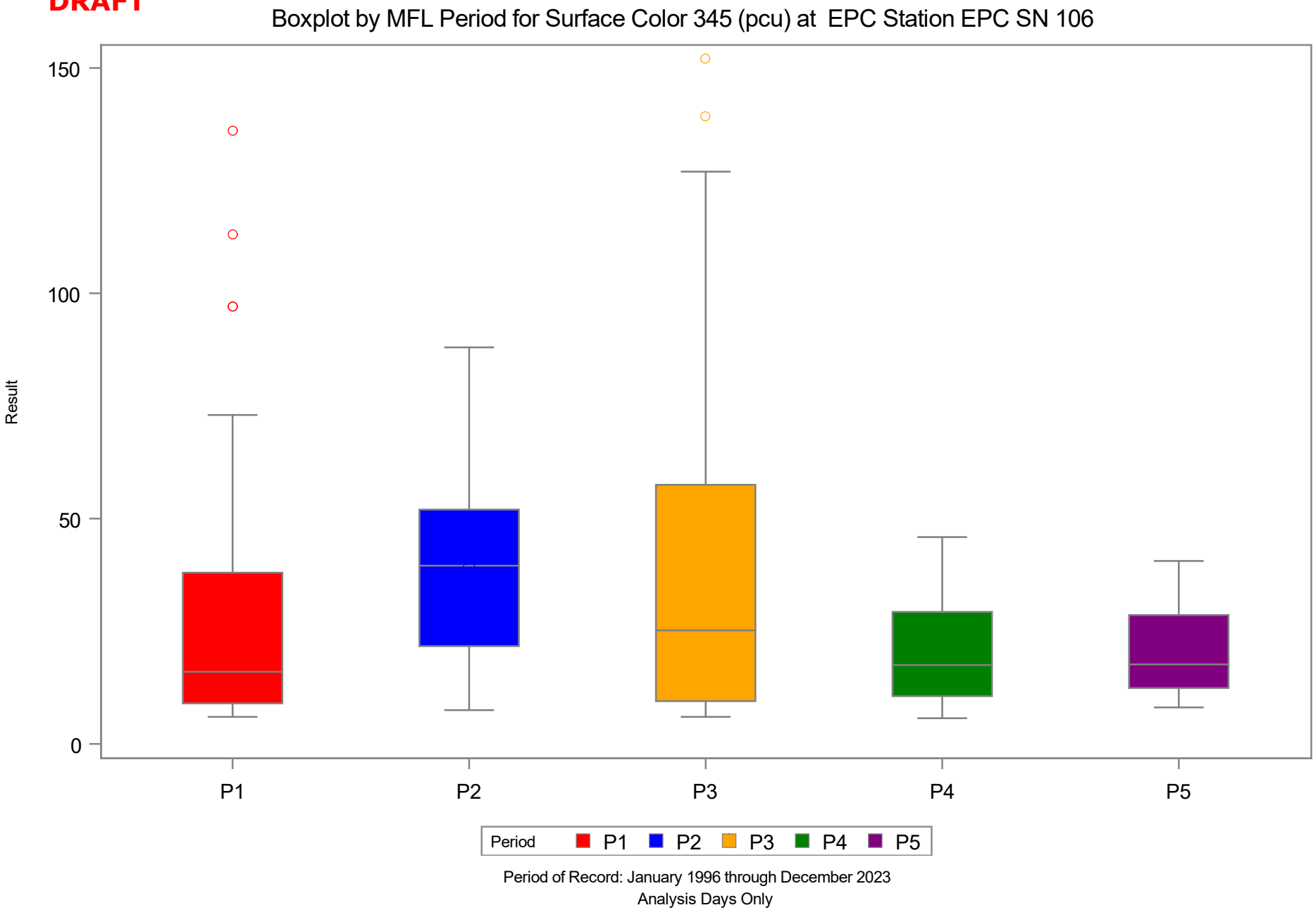
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 106

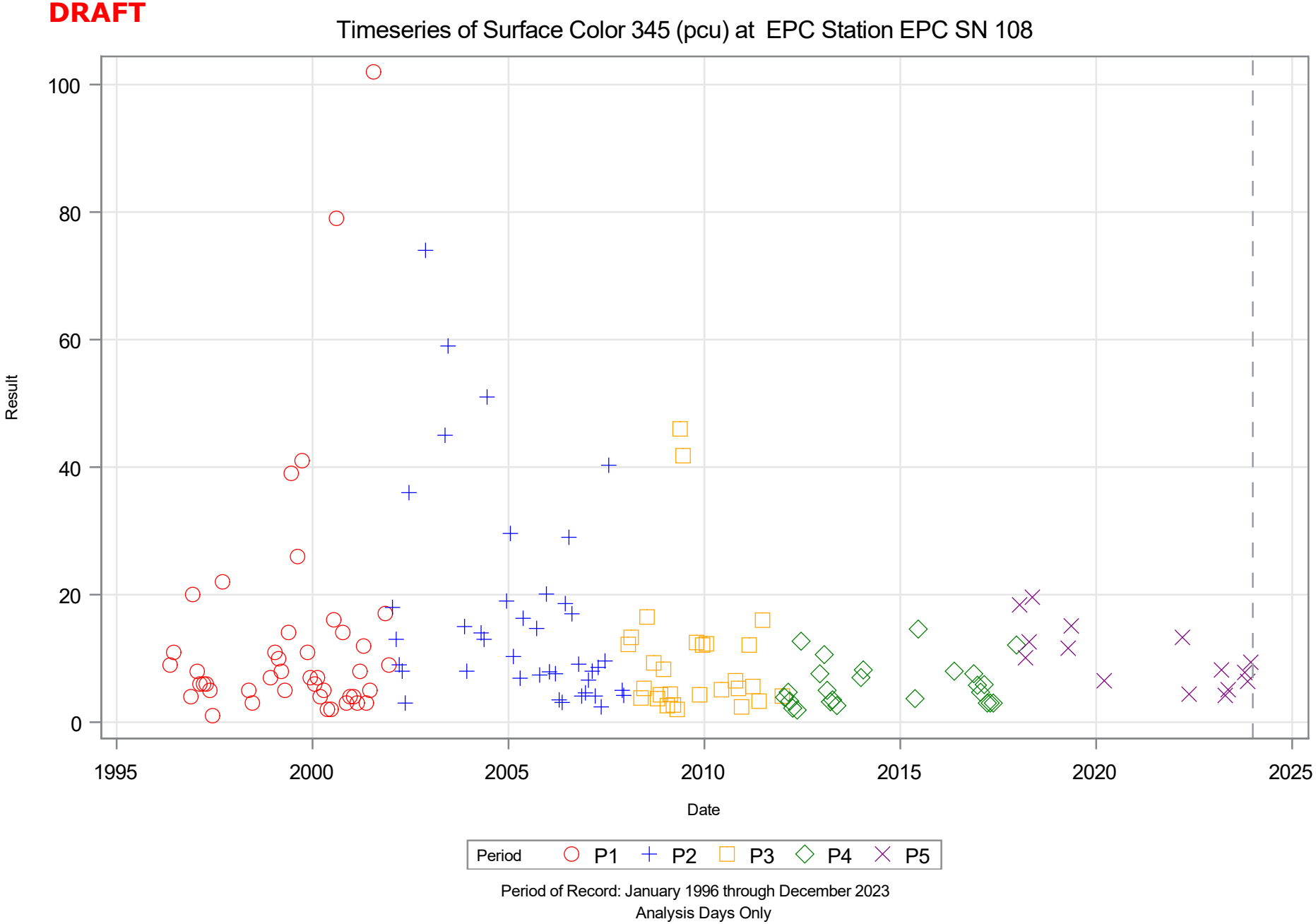
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	6.00	9.00	29.52	16.00	38.00	136.00
P2	42	7.50	21.70	38.78	39.55	52.00	88.00
P3	27	6.00	9.50	39.51	25.20	57.50	152.10
P4	25	5.70	10.60	20.10	17.50	29.30	45.90
P5	14	8.10	12.40	20.23	17.65	28.60	40.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

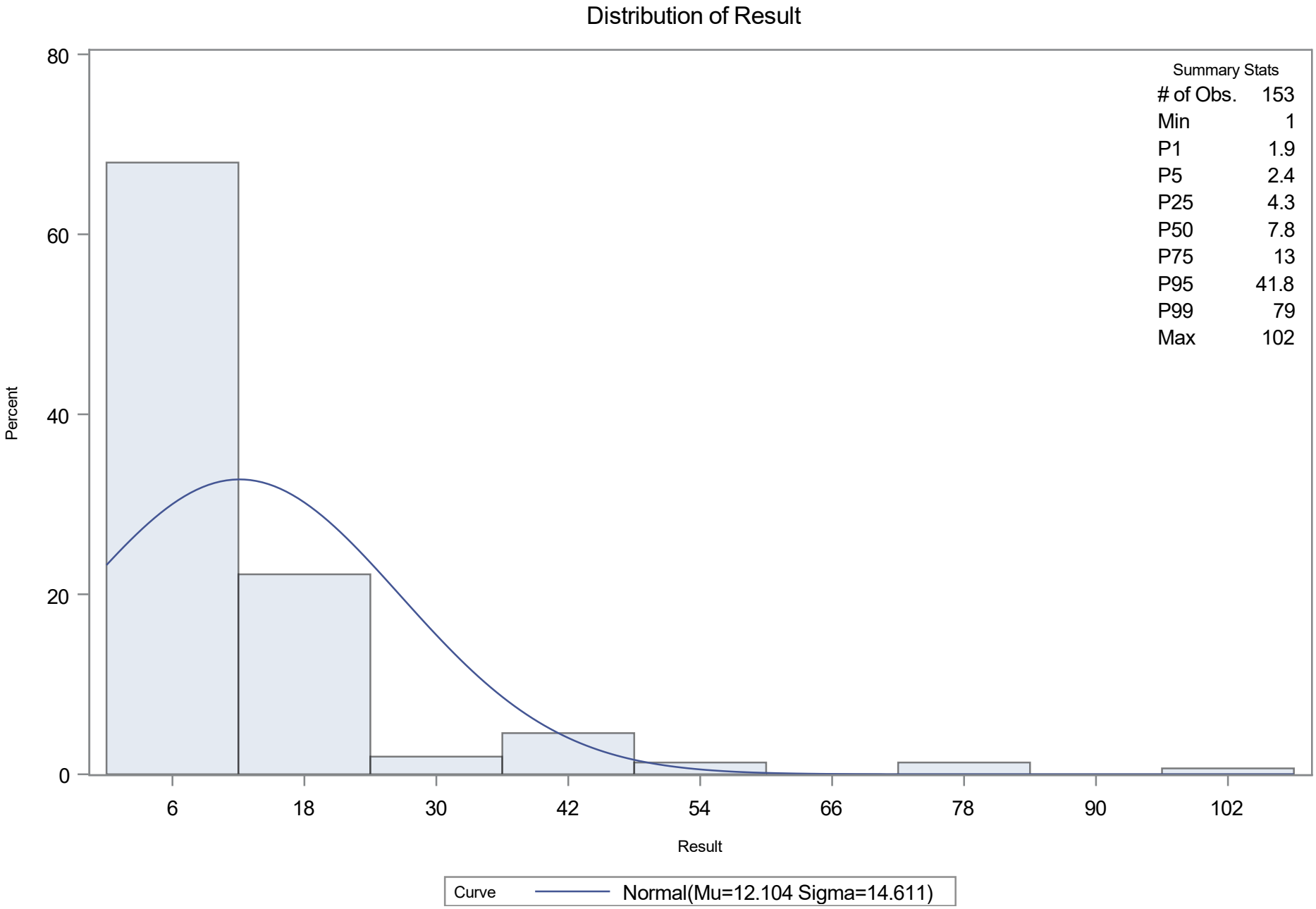

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 106
Result
150
100
50
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 108
Result
100
80
60
40
20
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.10392
Std Dev	Sigma	14.61104

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2359368	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.3697303	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	18.0131024	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.90000	-21.88645
5.0	2.40000	-11.92911
10.0	3.00000	-6.62089
25.0	4.30000	2.24892
50.0	7.80000	12.10392
75.0	13.00000	21.95892
90.0	22.00000	30.82873
95.0	41.80000	36.13695
99.0	79.00000	46.09429

Period of Record: January 1996 through December 2023
Analysis Days Only

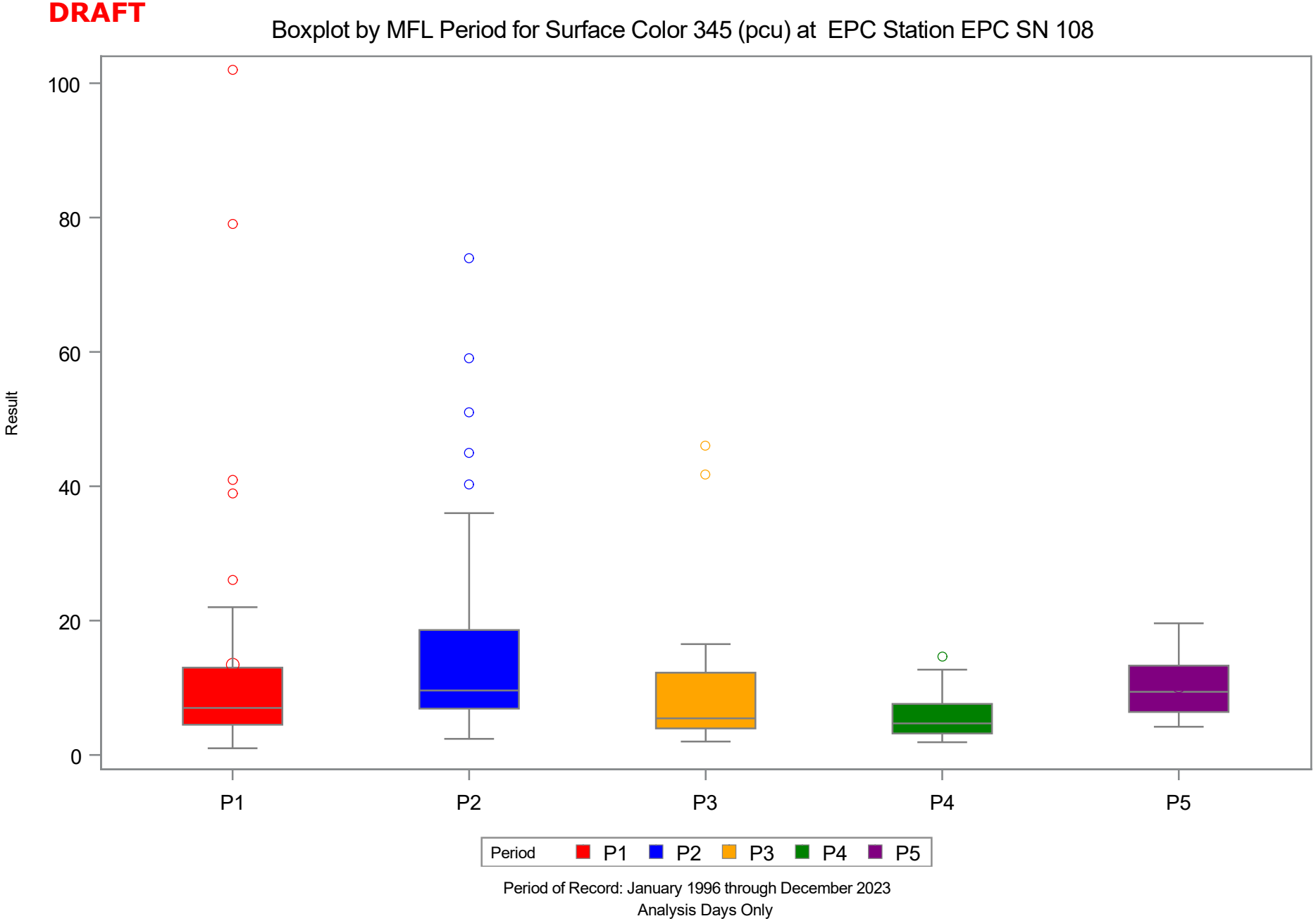
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 108

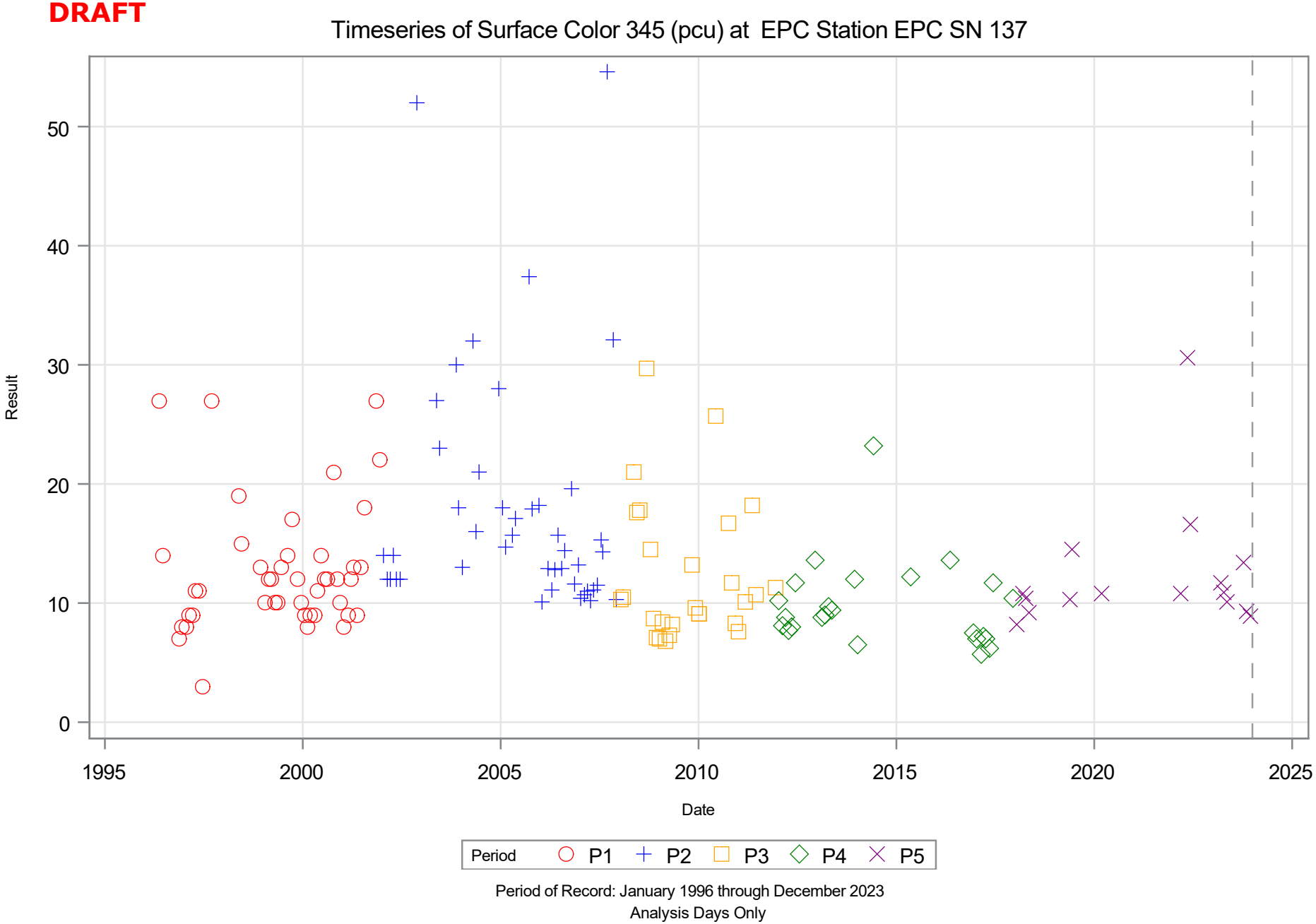
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	1.00	4.50	13.41	7.00	13.00	102.00
P2	41	2.40	6.90	16.67	9.60	18.60	74.00
P3	28	2.00	3.95	9.92	5.45	12.25	46.00
P4	25	1.90	3.20	5.91	4.70	7.60	14.60
P5	15	4.20	6.40	10.18	9.40	13.30	19.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

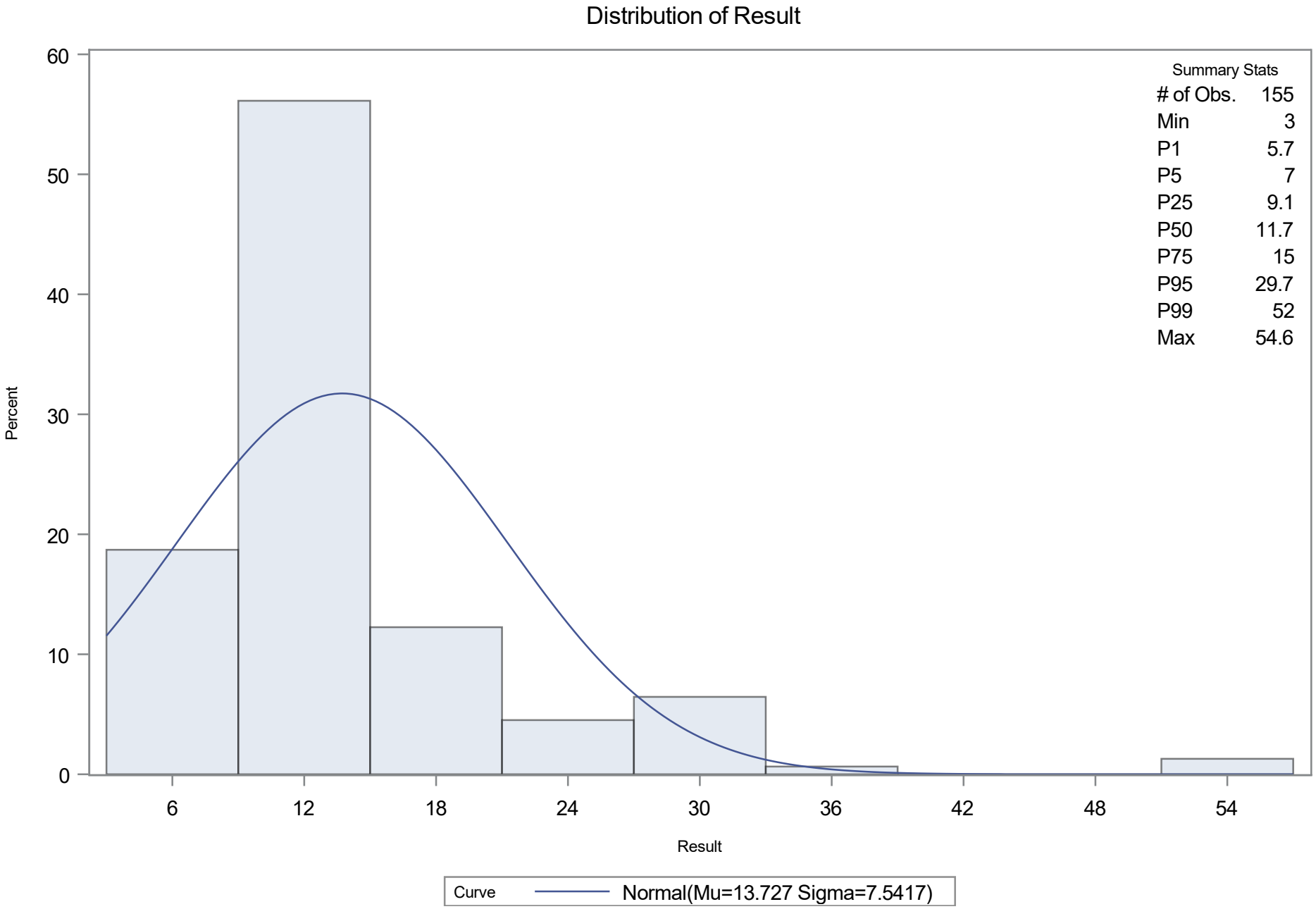

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 108
Result
100
80
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 137
Result
0
10
20
30
40
50
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.7271
Std Dev	Sigma	7.541696

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2016961	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.9923118	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.8150152	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.70000	-3.81751
5.0	7.00000	1.32211
10.0	8.00000	4.06202
25.0	9.10000	8.64030
50.0	11.70000	13.72710
75.0	15.00000	18.81389
90.0	23.00000	23.39217
95.0	29.70000	26.13208
99.0	52.00000	31.27171

Period of Record: January 1996 through December 2023
Analysis Days Only

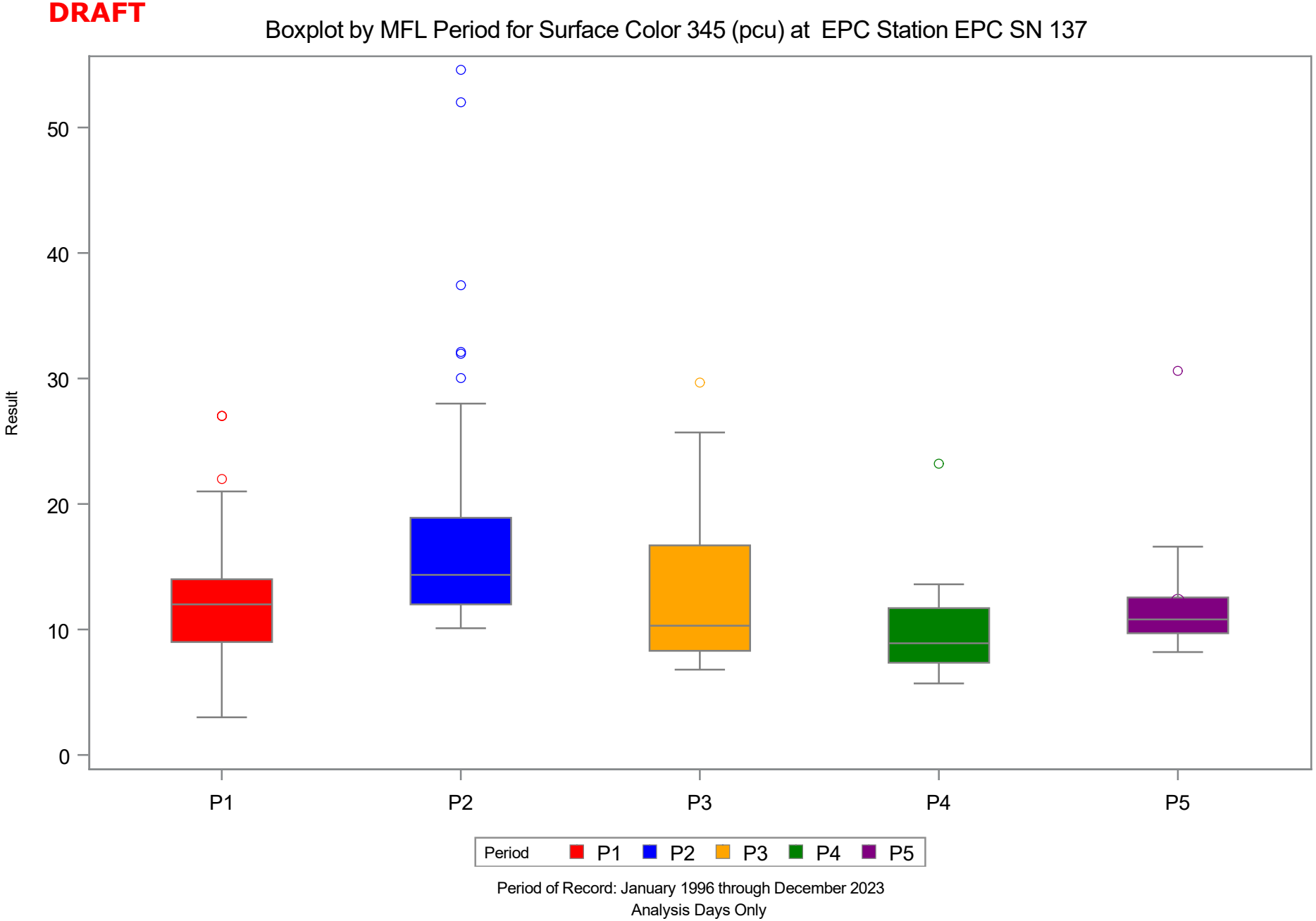
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 137

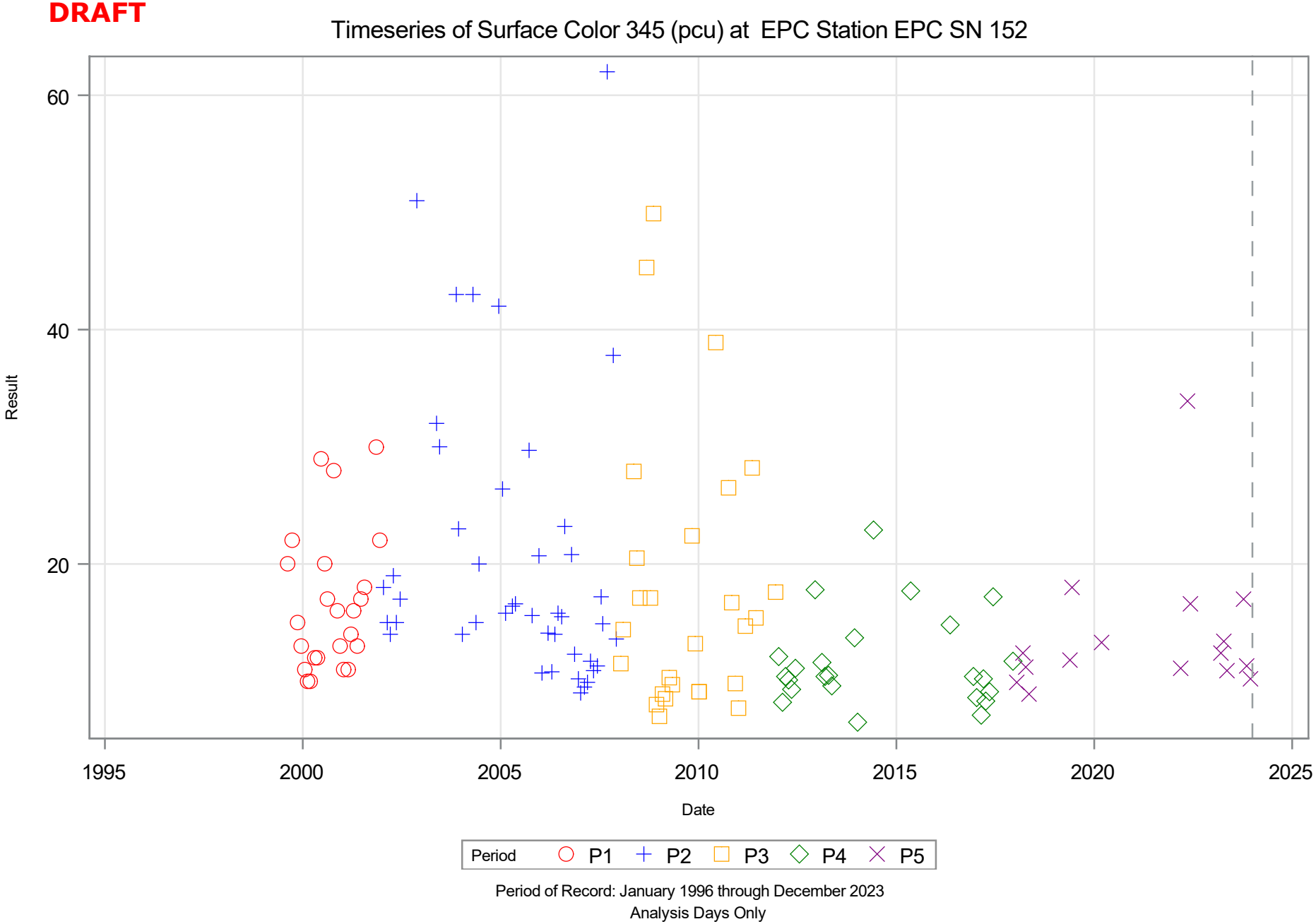
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	3.00	9.00	12.70	12.00	14.00	27.00
P2	44	10.10	12.00	18.20	14.35	18.90	54.60
P3	27	6.80	8.30	12.45	10.30	16.70	29.70
P4	24	5.70	7.35	9.80	8.90	11.70	23.20
P5	16	8.20	9.70	12.28	10.80	12.55	30.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

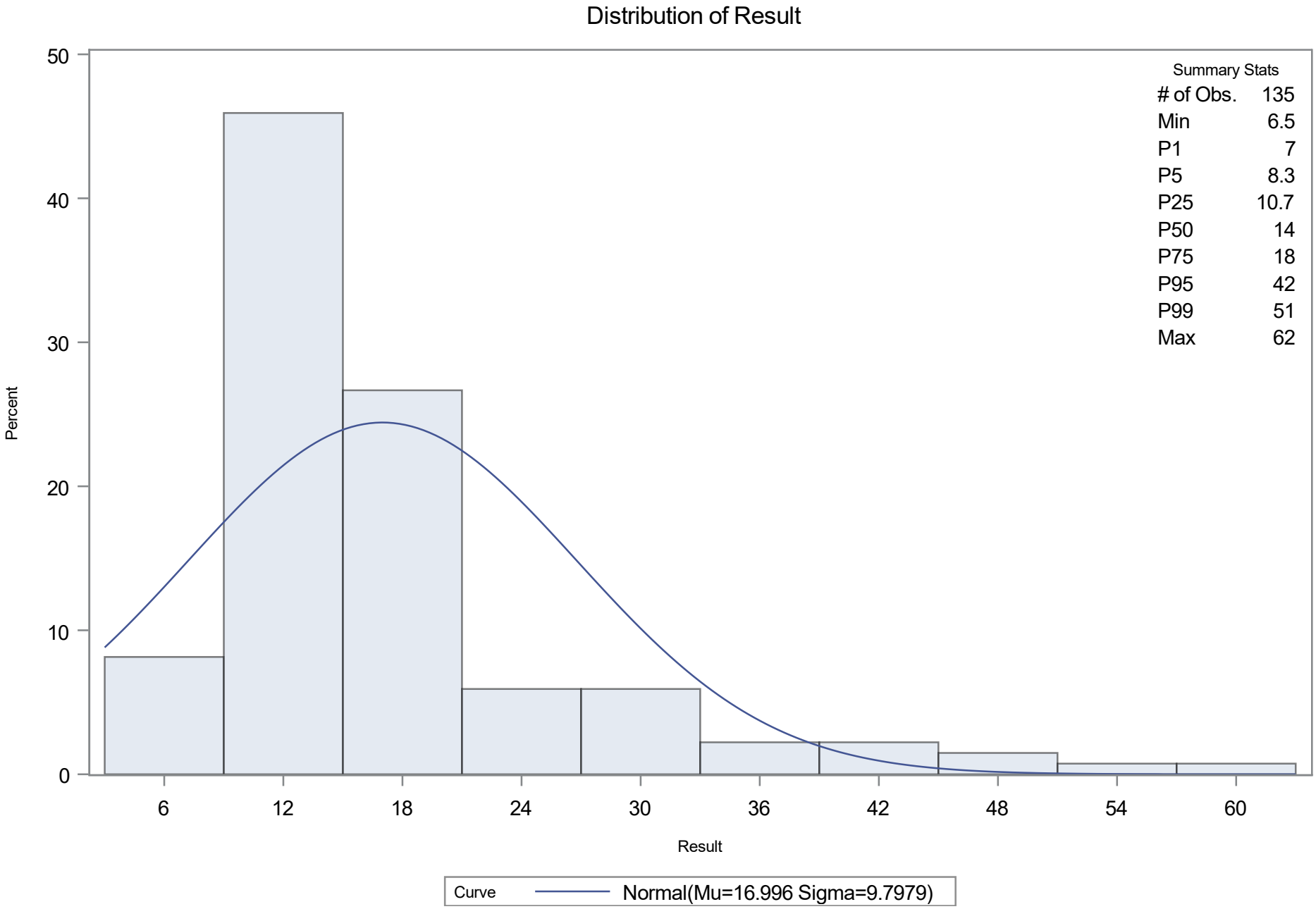

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 137
Result
0
10
20
30
40
50
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 152
Result
60
40
20
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.99556
Std Dev	Sigma	9.797859

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21472882	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.67288174	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.42915488	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.00000	-5.79767
5.0	8.30000	0.87951
10.0	9.10000	4.43909
25.0	10.70000	10.38700
50.0	14.00000	16.99556
75.0	18.00000	23.60411
90.0	29.70000	29.55202
95.0	42.00000	33.11160
99.0	51.00000	39.78878

Period of Record: January 1996 through December 2023
Analysis Days Only

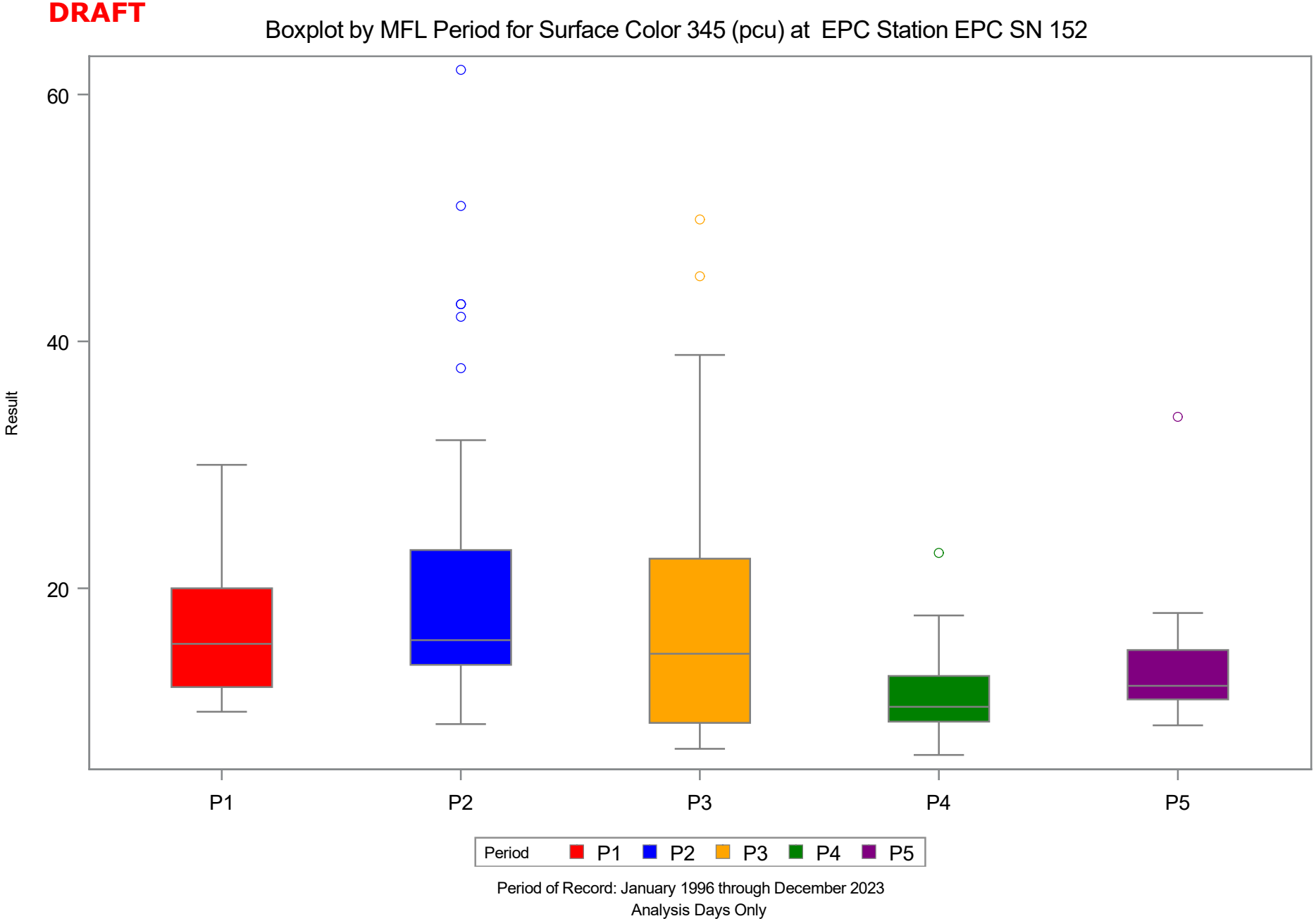
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 152

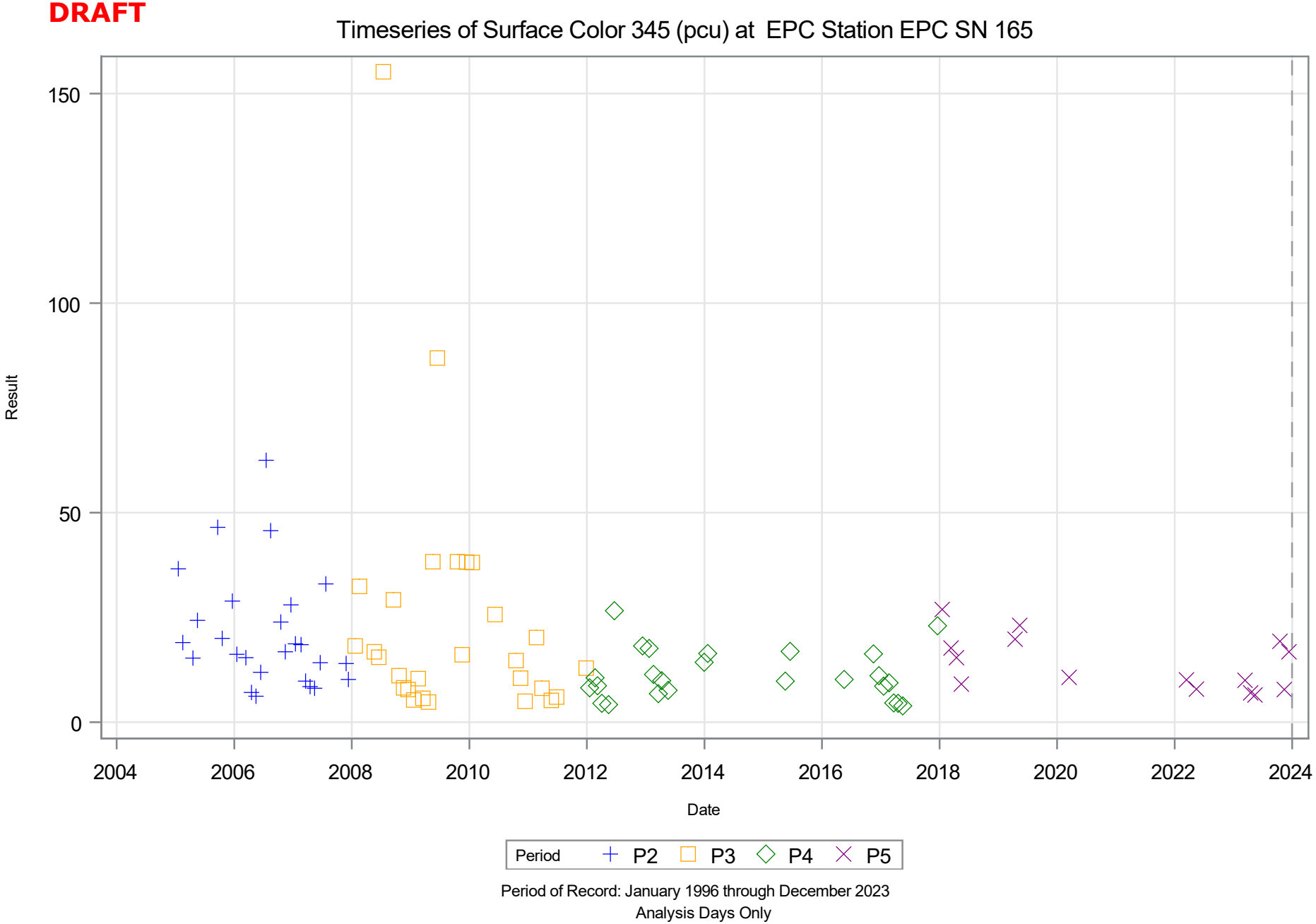
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	10.00	12.00	16.67	15.50	20.00	30.00
P2	44	9.00	13.80	20.62	15.80	23.10	62.00
P3	27	7.00	9.10	17.98	14.70	22.40	49.90
P4	24	6.50	9.20	11.64	10.40	12.90	22.90
P5	16	8.90	11.00	13.89	12.10	15.00	33.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

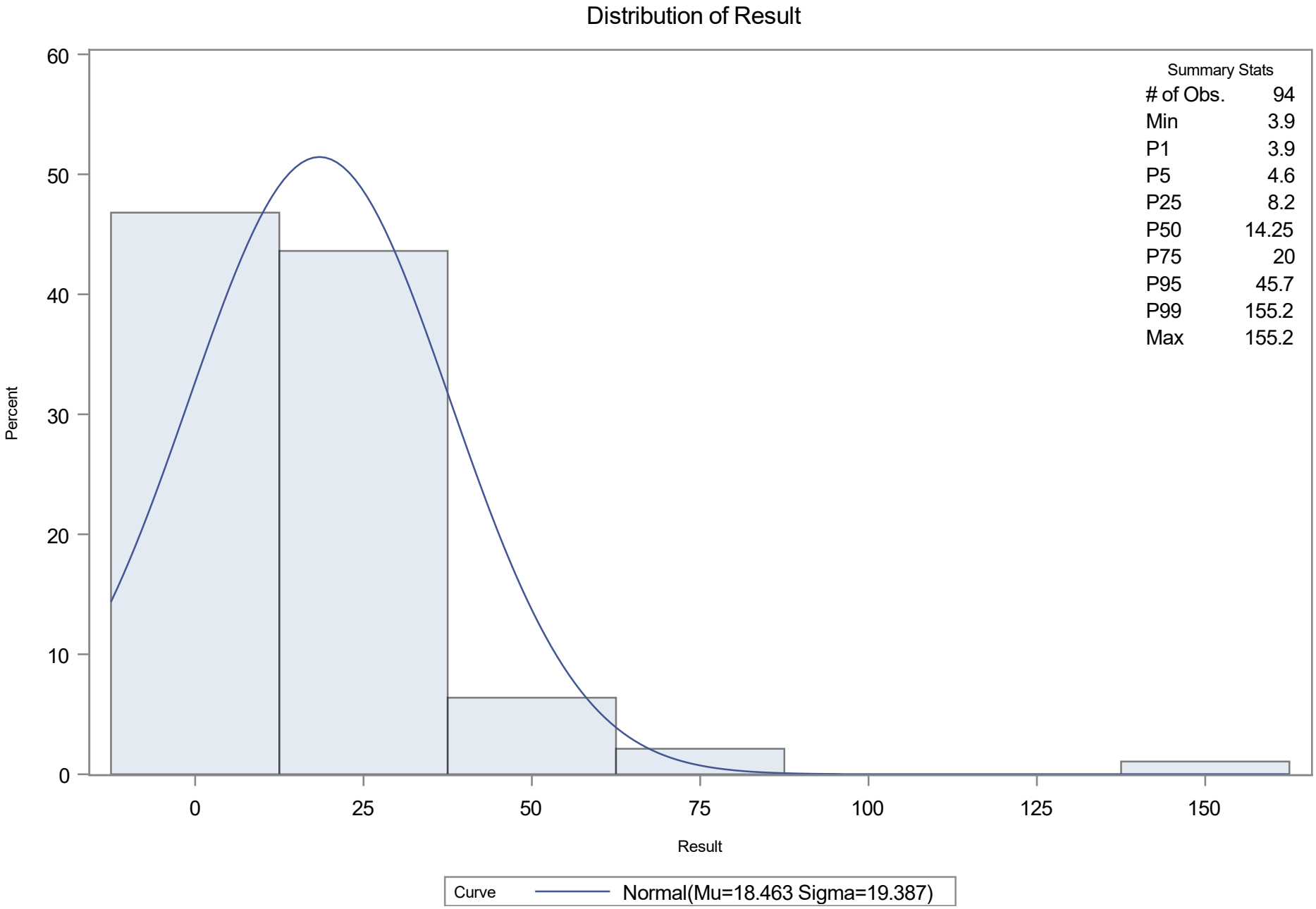

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 152
Result
60
40
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 165
Result
150
100
50
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.46277
Std Dev	Sigma	19.38678

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23025633	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.61913422	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.03950481	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.90000	-26.63763
5.0	4.60000	-13.42565
10.0	5.70000	-6.38239
25.0	8.20000	5.38658
50.0	14.25000	18.46277
75.0	20.00000	31.53895
90.0	36.60000	43.30793
95.0	45.70000	50.35118
99.0	155.20000	63.56316

Period of Record: January 1996 through December 2023
Analysis Days Only

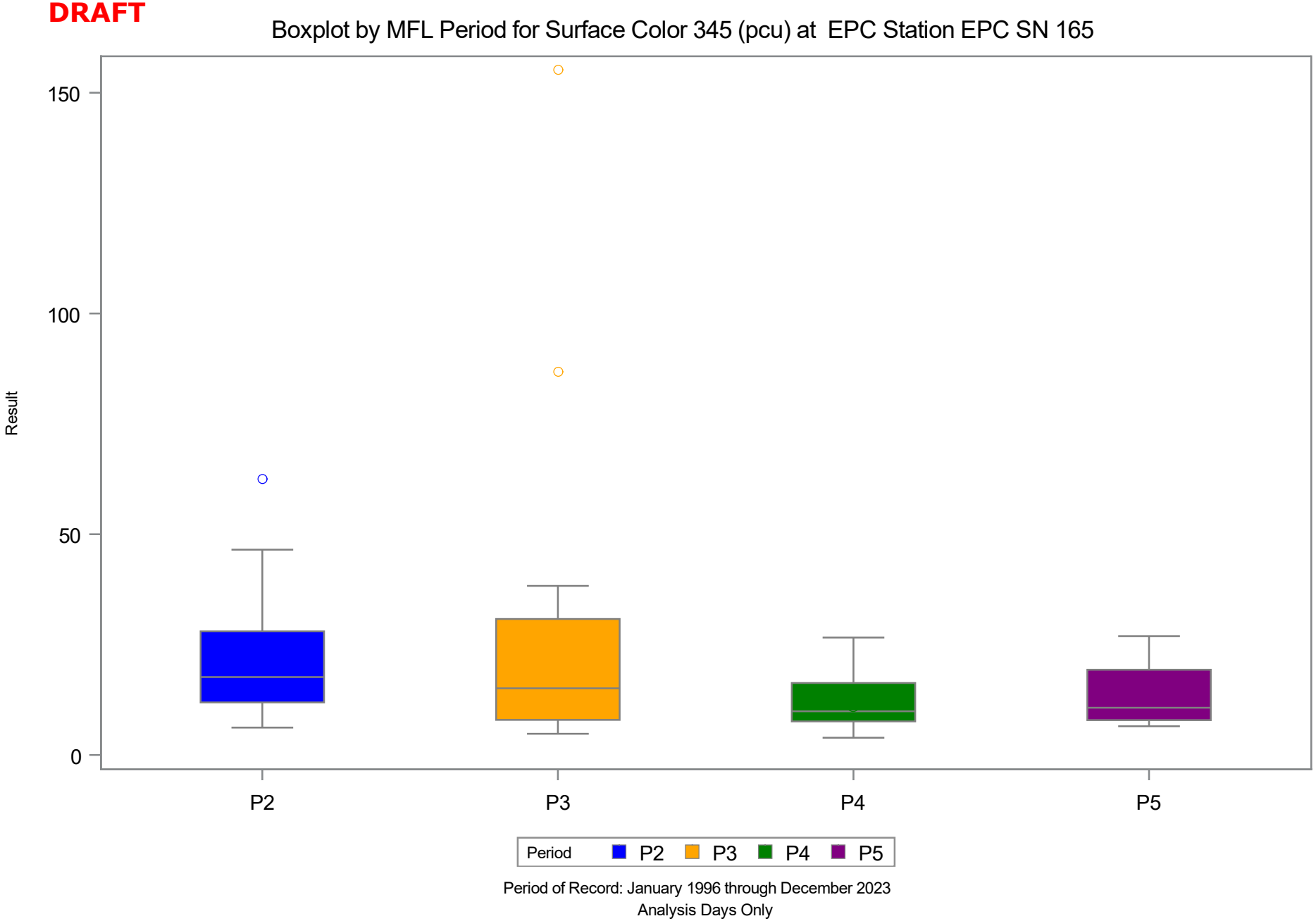
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 165

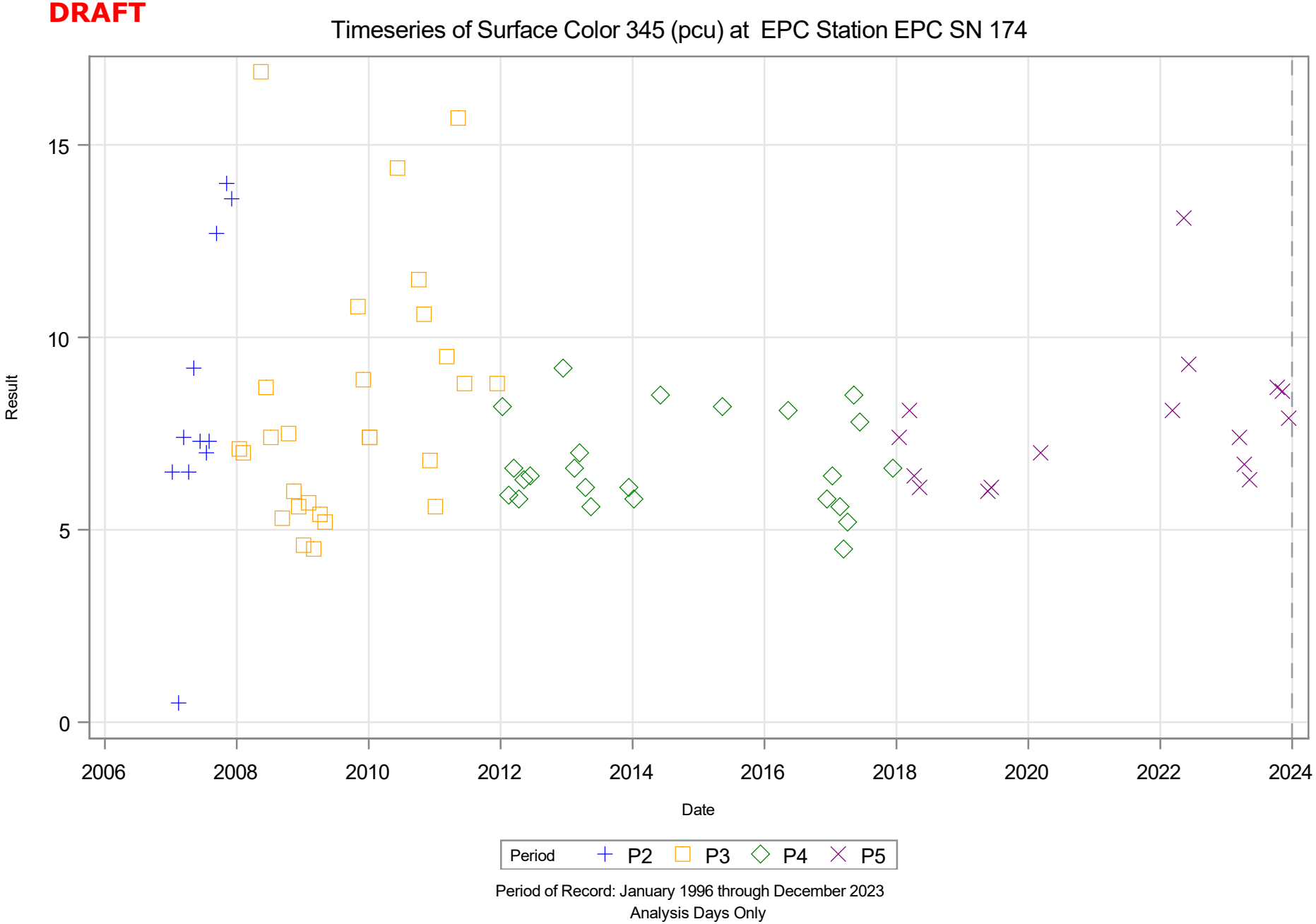
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	6.20	11.90	21.51	17.65	28.00	62.50
P3	28	4.80	7.95	24.46	15.10	30.80	155.20
P4	25	3.90	7.60	11.33	9.90	16.30	26.60
P5	15	6.50	7.90	13.87	10.70	19.30	26.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

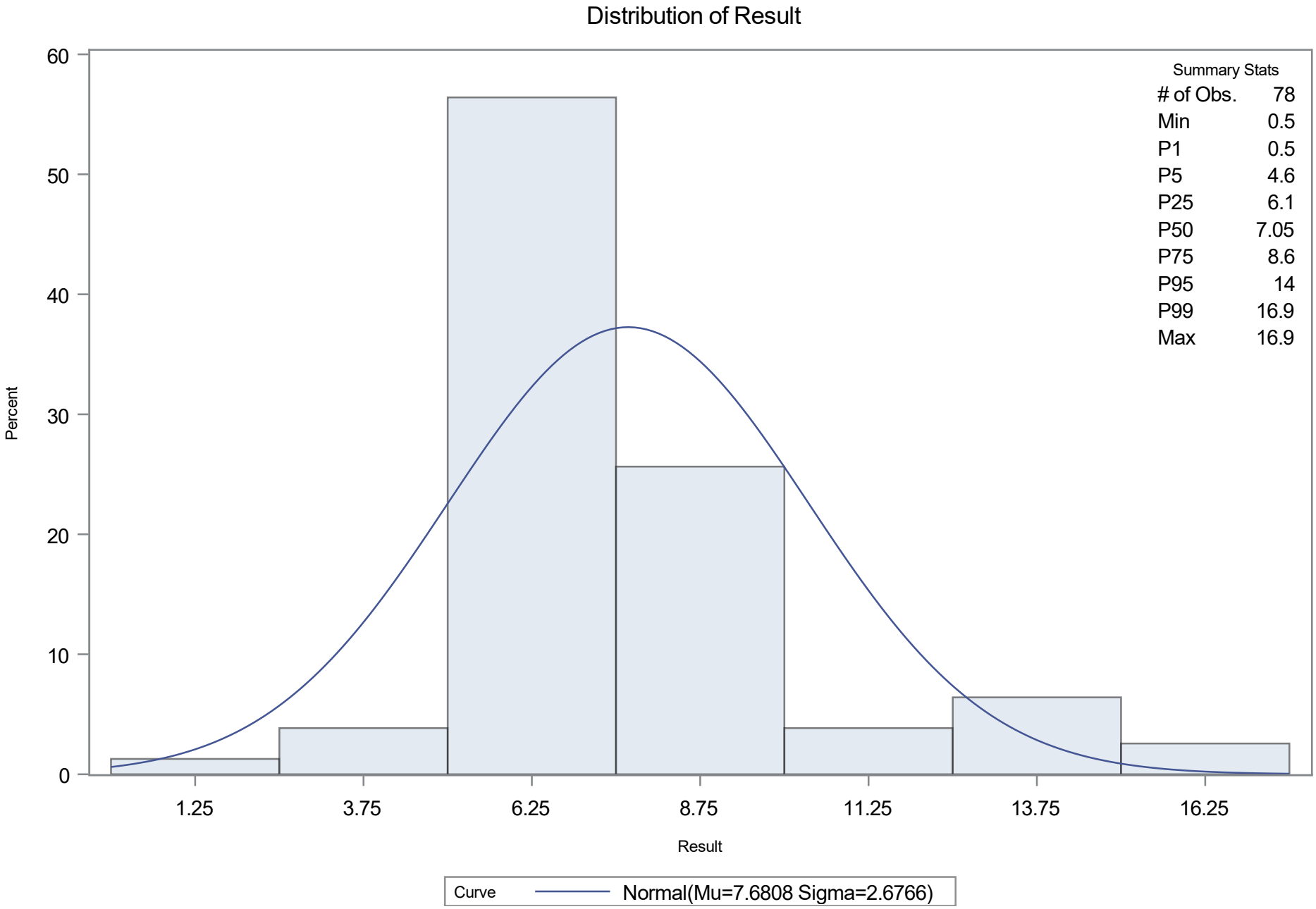

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 165
Result
150
100
50
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 174
Result
0
5
10
15
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.680769
Std Dev	Sigma	2.676597

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15715618	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.59182834	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.54000435	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.50000	1.45407
5.0	4.60000	3.27816
10.0	5.40000	4.25057
25.0	6.10000	5.87543
50.0	7.05000	7.68077
75.0	8.60000	9.48611
90.0	11.50000	11.11097
95.0	14.00000	12.08338
99.0	16.90000	13.90746

Period of Record: January 1996 through December 2023
Analysis Days Only

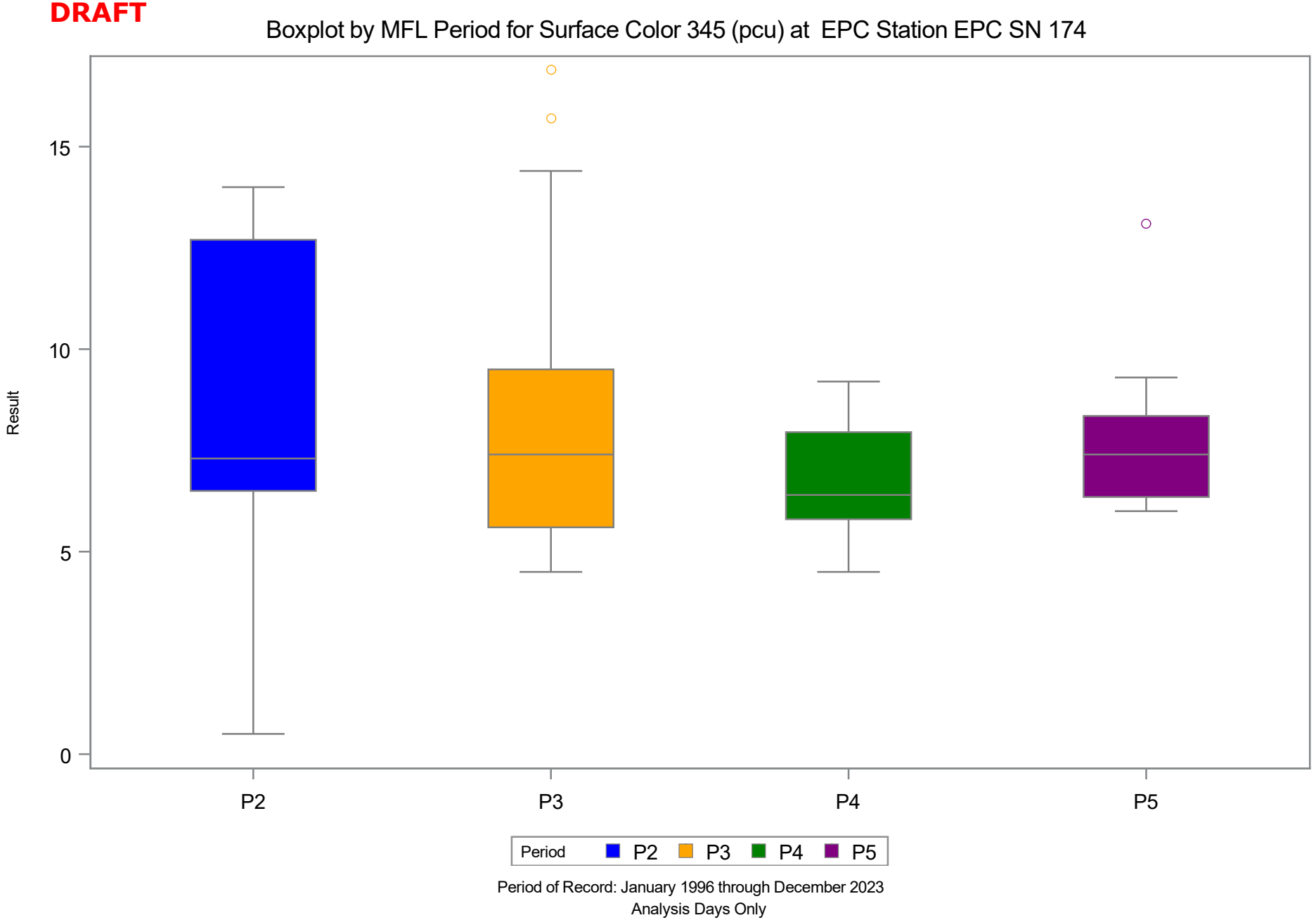
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 174

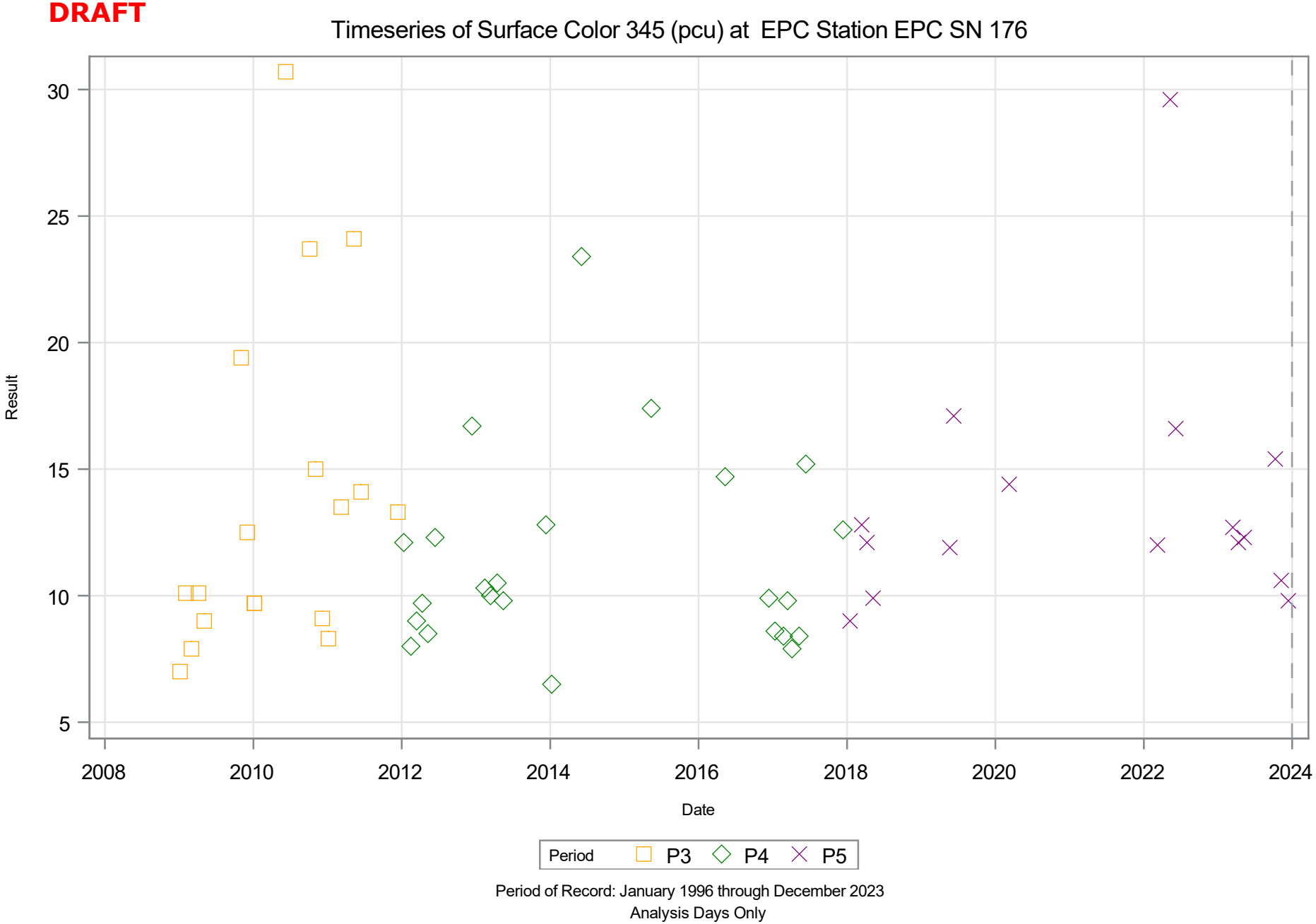
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	0.50	6.50	8.36	7.30	12.70	14.00
P3	27	4.50	5.60	8.26	7.40	9.50	16.90
P4	24	4.50	5.80	6.70	6.40	7.95	9.20
P5	16	6.00	6.35	7.70	7.40	8.35	13.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

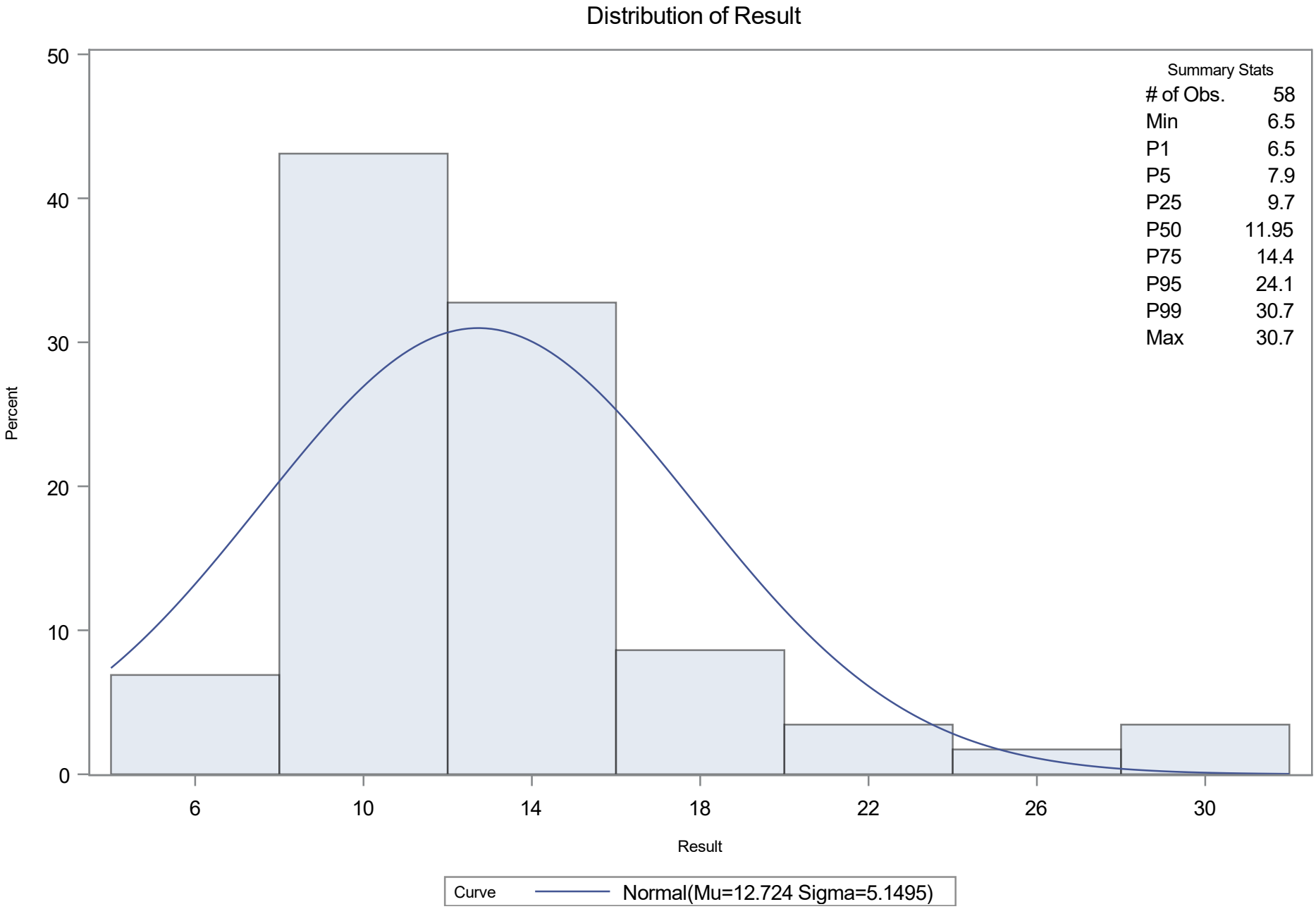

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 174
Result
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 176
Result
30
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.72414
Std Dev	Sigma	5.149529

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18377823	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.52768661	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.21610796	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.50000	0.74454
5.0	7.90000	4.25392
10.0	8.30000	6.12475
25.0	9.70000	9.25083
50.0	11.95000	12.72414
75.0	14.40000	16.19744
90.0	19.40000	19.32353
95.0	24.10000	21.19436
99.0	30.70000	24.70373

Period of Record: January 1996 through December 2023
Analysis Days Only

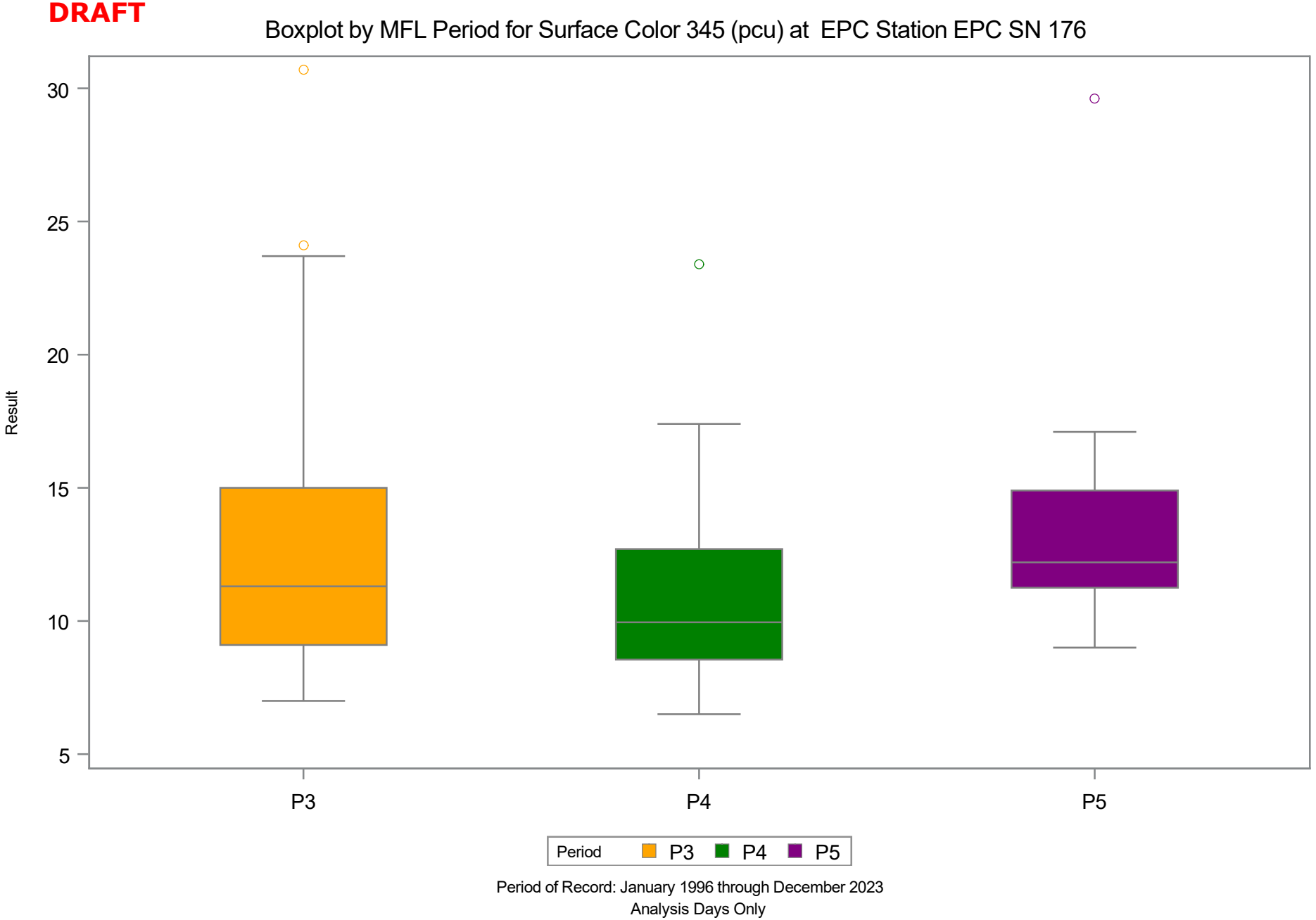
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 176

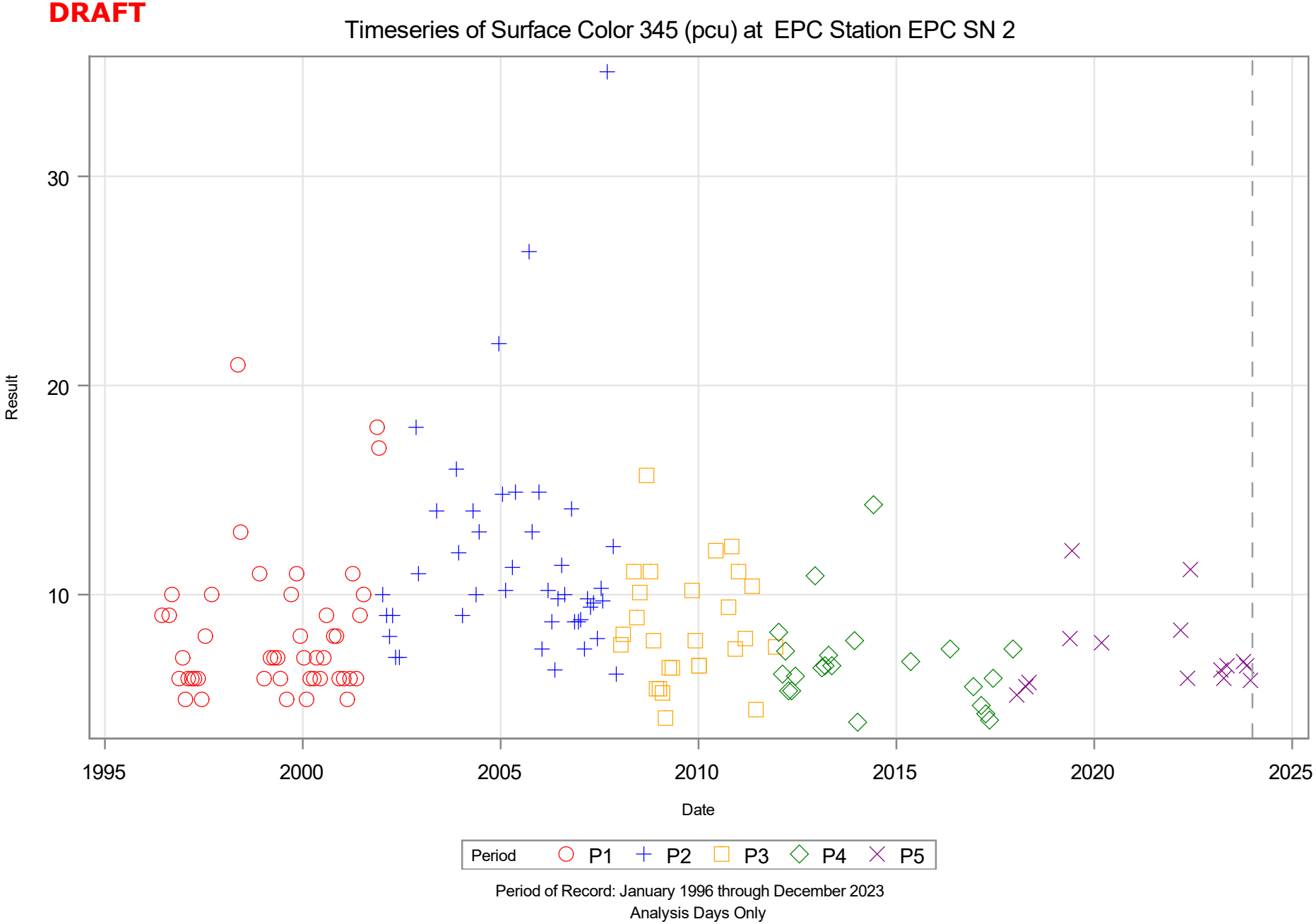
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	18	7.00	9.10	13.73	11.30	15.00	30.70
P4	24	6.50	8.55	11.35	9.95	12.70	23.40
P5	16	9.00	11.25	13.64	12.20	14.90	29.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

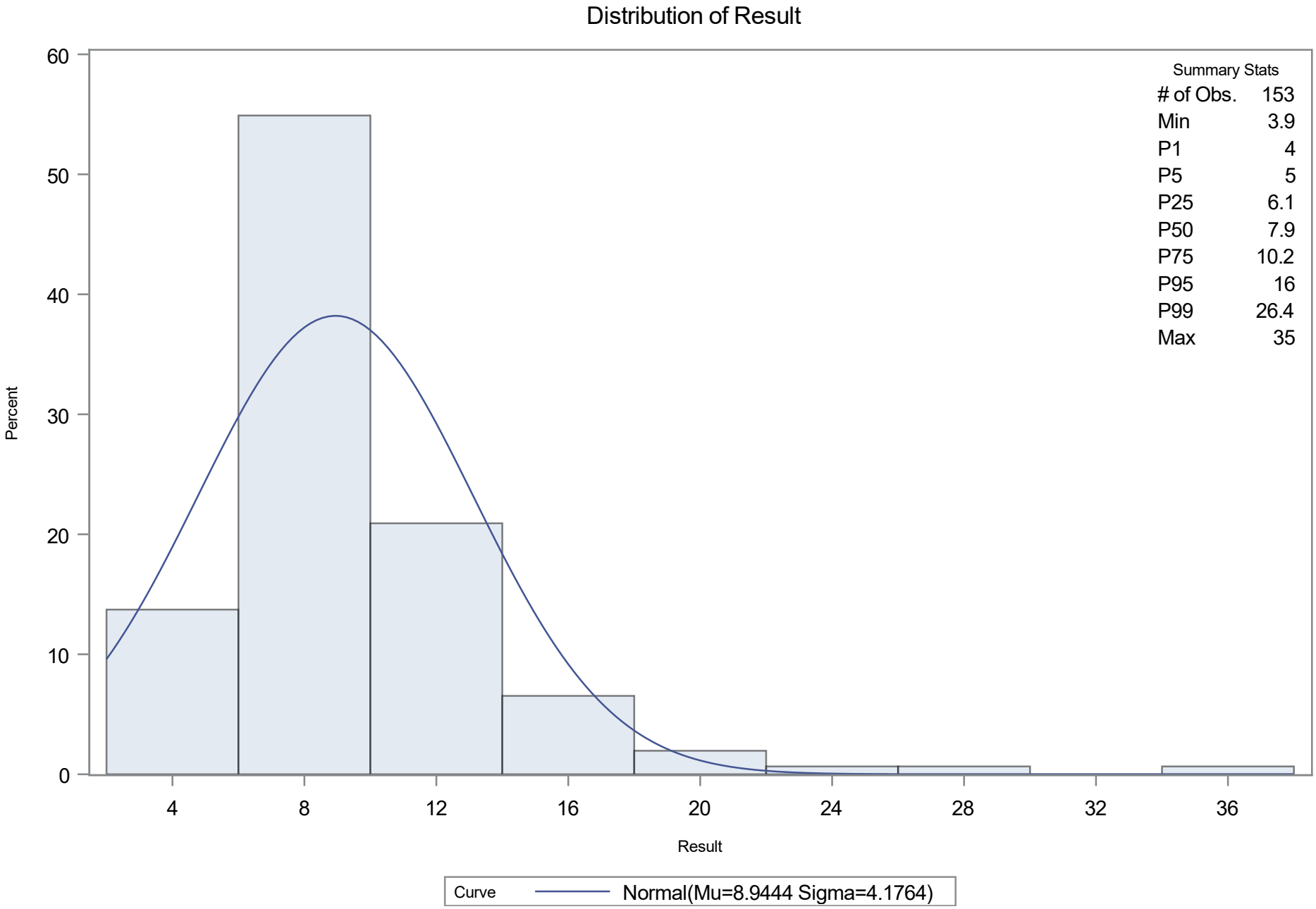

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 176
Result
30
25
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 (pcu) at EPC Station EPC SN 2
Result
30
20
10
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 (pcu) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.944444
Std Dev	Sigma	4.176436

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14175219	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.19590847	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.11039877	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.00000	-0.77140
5.0	5.00000	2.07482
10.0	5.50000	3.59213
25.0	6.10000	6.12748
50.0	7.90000	8.94444
75.0	10.20000	11.76141
90.0	14.00000	14.29676
95.0	16.00000	15.81407
99.0	26.40000	18.66029

Period of Record: January 1996 through December 2023
Analysis Days Only

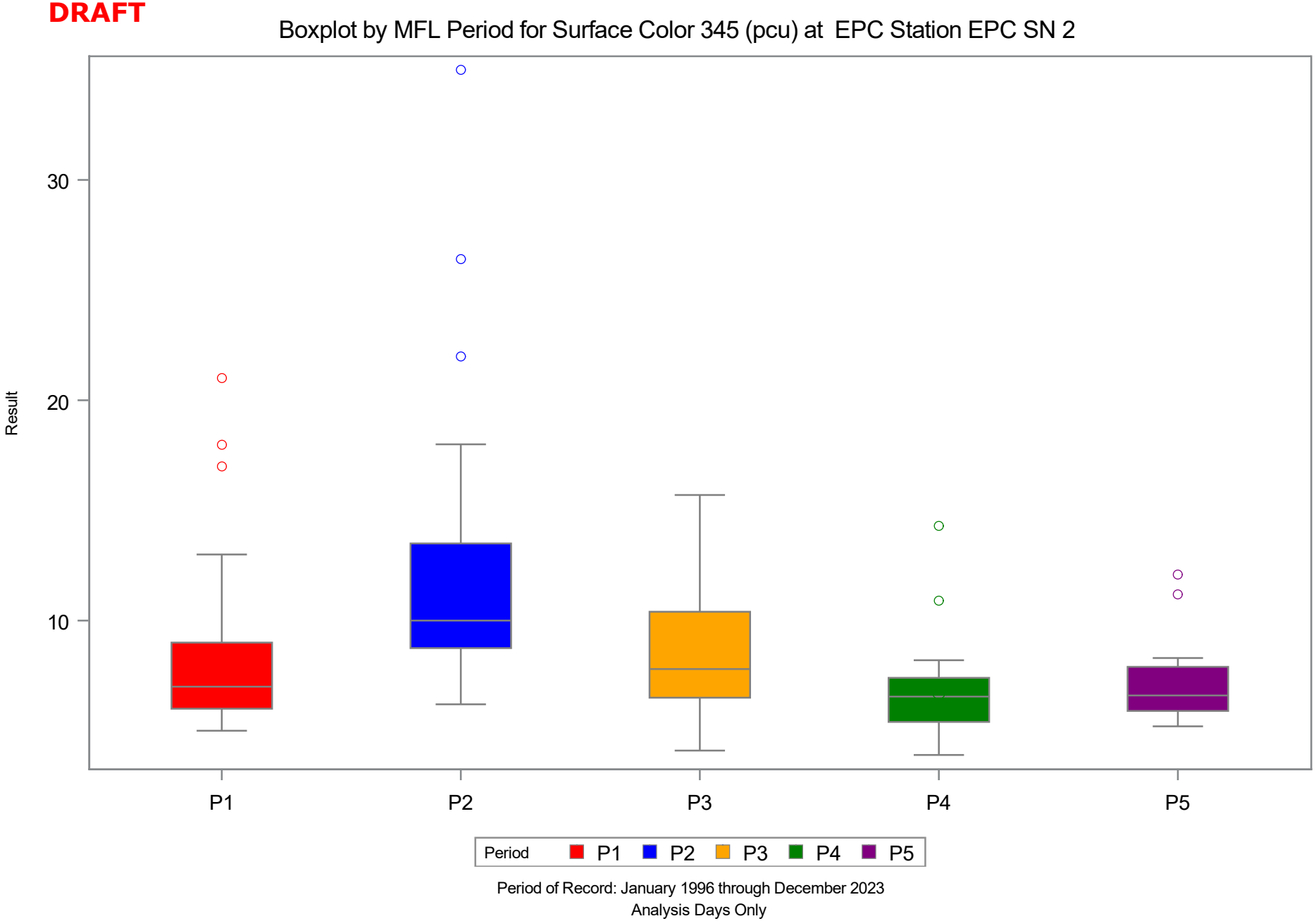
DRAFT

Distributional Statistics by Period for Surface Color 345 (pcu) at EPC Station EPC SN 2

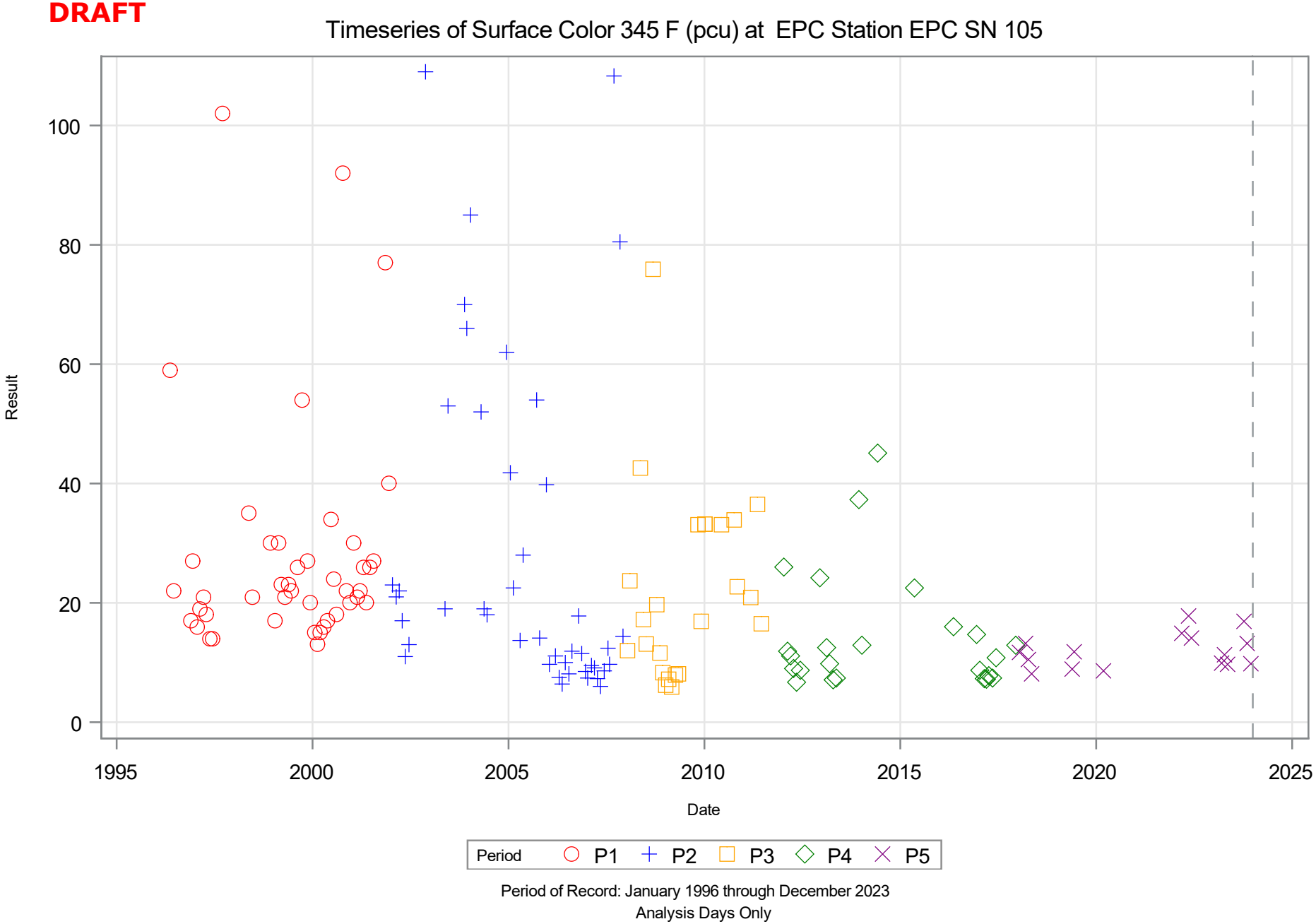
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	5.00	6.00	8.18	7.00	9.00	21.00
P2	44	6.20	8.75	11.73	10.00	13.50	35.00
P3	27	4.10	6.50	8.43	7.80	10.40	15.70
P4	22	3.90	5.40	6.75	6.55	7.40	14.30
P5	15	5.20	5.90	7.21	6.60	7.90	12.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

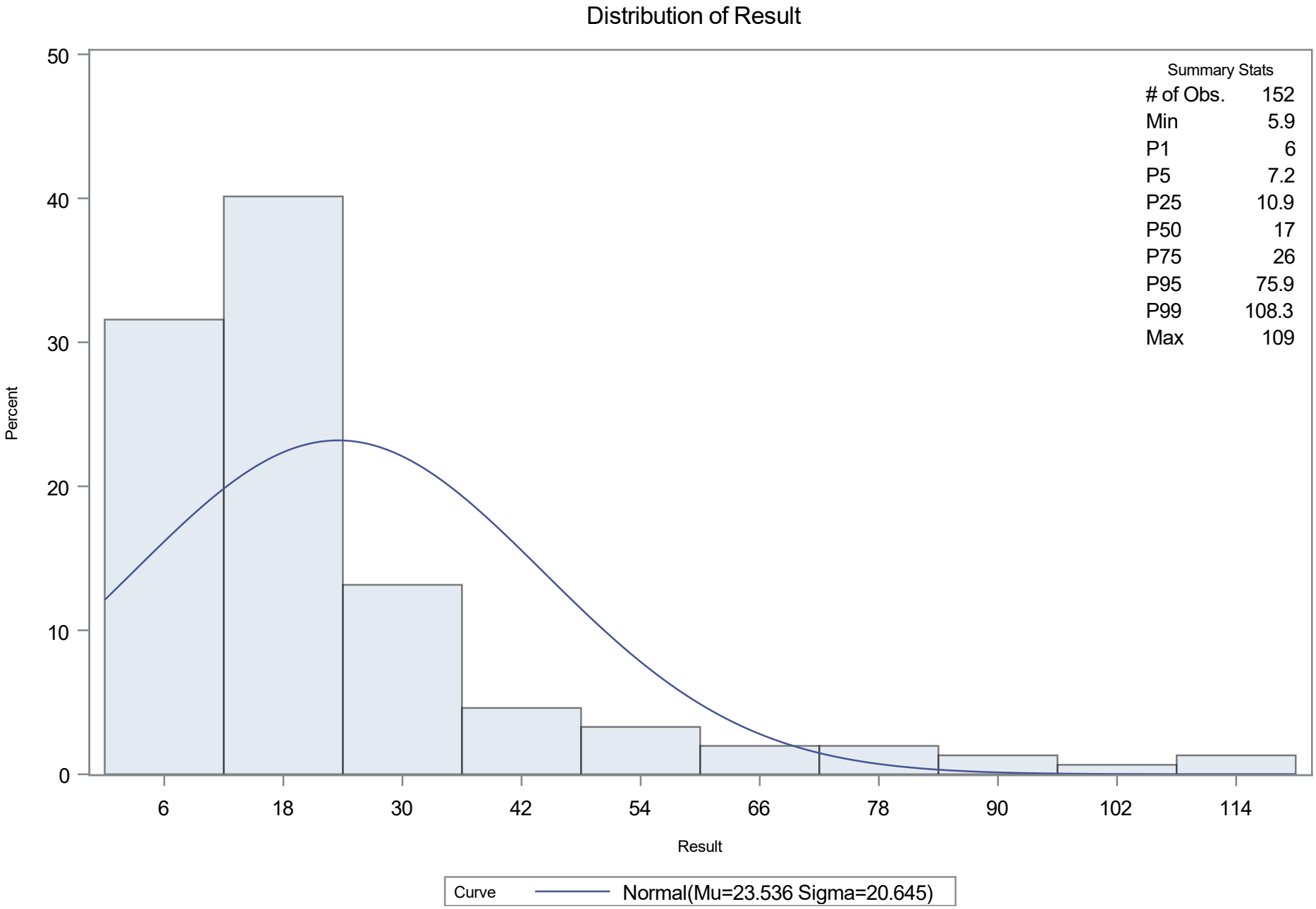

Boxplot by MFL Period for Surface Color 345 (pcu) at EPC Station EPC SN 2
Result
30
20
10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 105
Result
0
20
40
60
80
100
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.53553
Std Dev	Sigma	20.64454

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2208739	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.3650768	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.2323289	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.00000	-24.49086
5.0	7.20000	-10.42172
10.0	7.90000	-2.92152
25.0	10.90000	9.61099
50.0	17.00000	23.53553
75.0	26.00000	37.46006
90.0	52.00000	49.99257
95.0	75.90000	57.49278
99.0	108.30000	71.56191

Period of Record: January 1996 through December 2023
Analysis Days Only

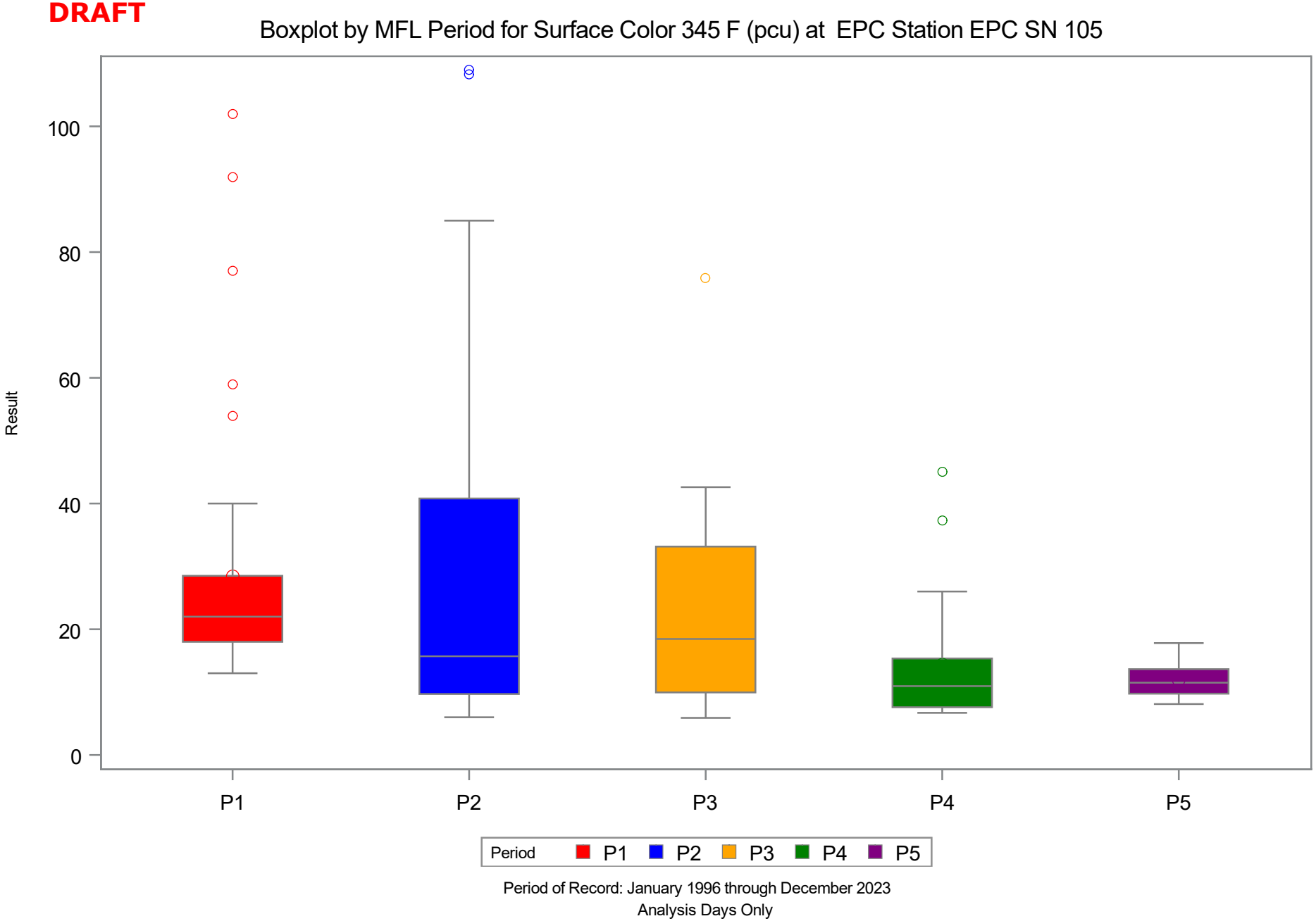
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 105

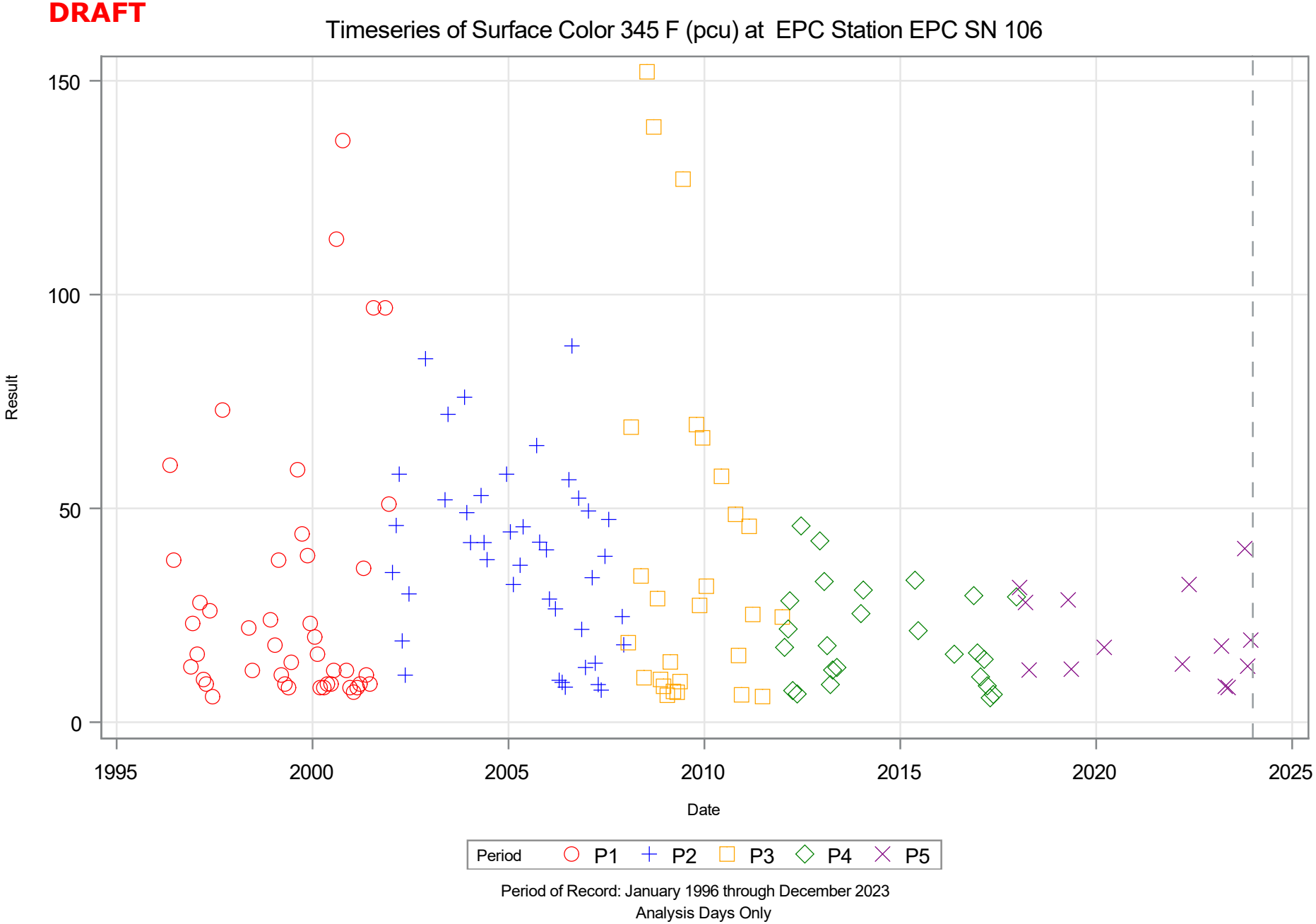
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	13.00	18.00	28.48	22.00	28.50	102.00
P2	44	6.00	9.70	28.40	15.70	40.80	109.00
P3	24	5.90	9.95	22.47	18.45	33.15	75.90
P4	24	6.70	7.60	14.38	10.95	15.35	45.10
P5	16	8.10	9.75	11.90	11.50	13.65	17.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

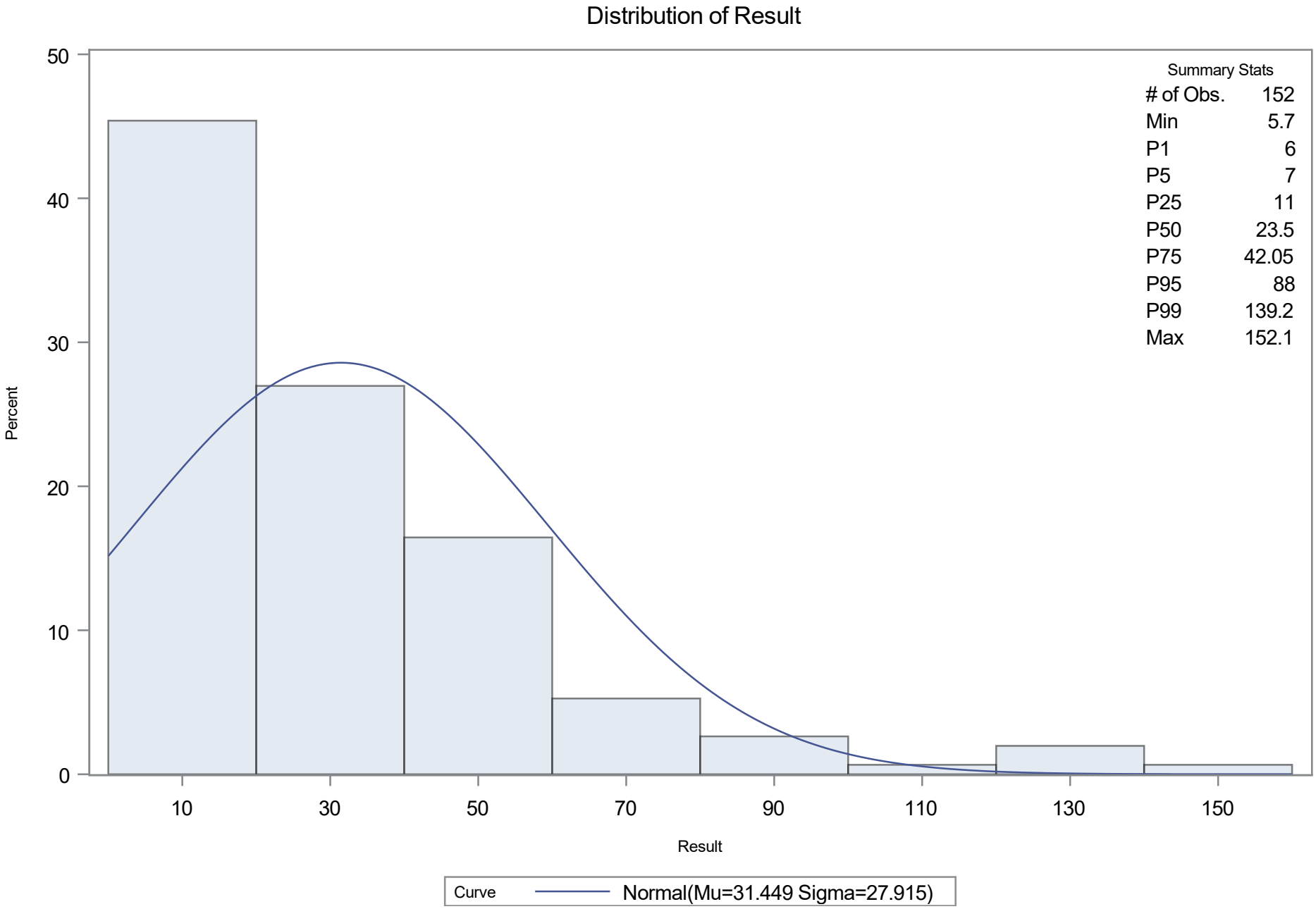

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 105
Result
100
80
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 106
Result
150
100
50
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	31.44868
Std Dev	Sigma	27.91521

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17816282	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.30709249	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.08858773	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.00000	-33.49180
5.0	7.00000	-14.46775
10.0	8.00000	-4.32609
25.0	11.00000	12.62016
50.0	23.50000	31.44868
75.0	42.05000	50.27721
90.0	64.70000	67.22346
95.0	88.00000	77.36511
99.0	139.20000	96.38917

Period of Record: January 1996 through December 2023
Analysis Days Only

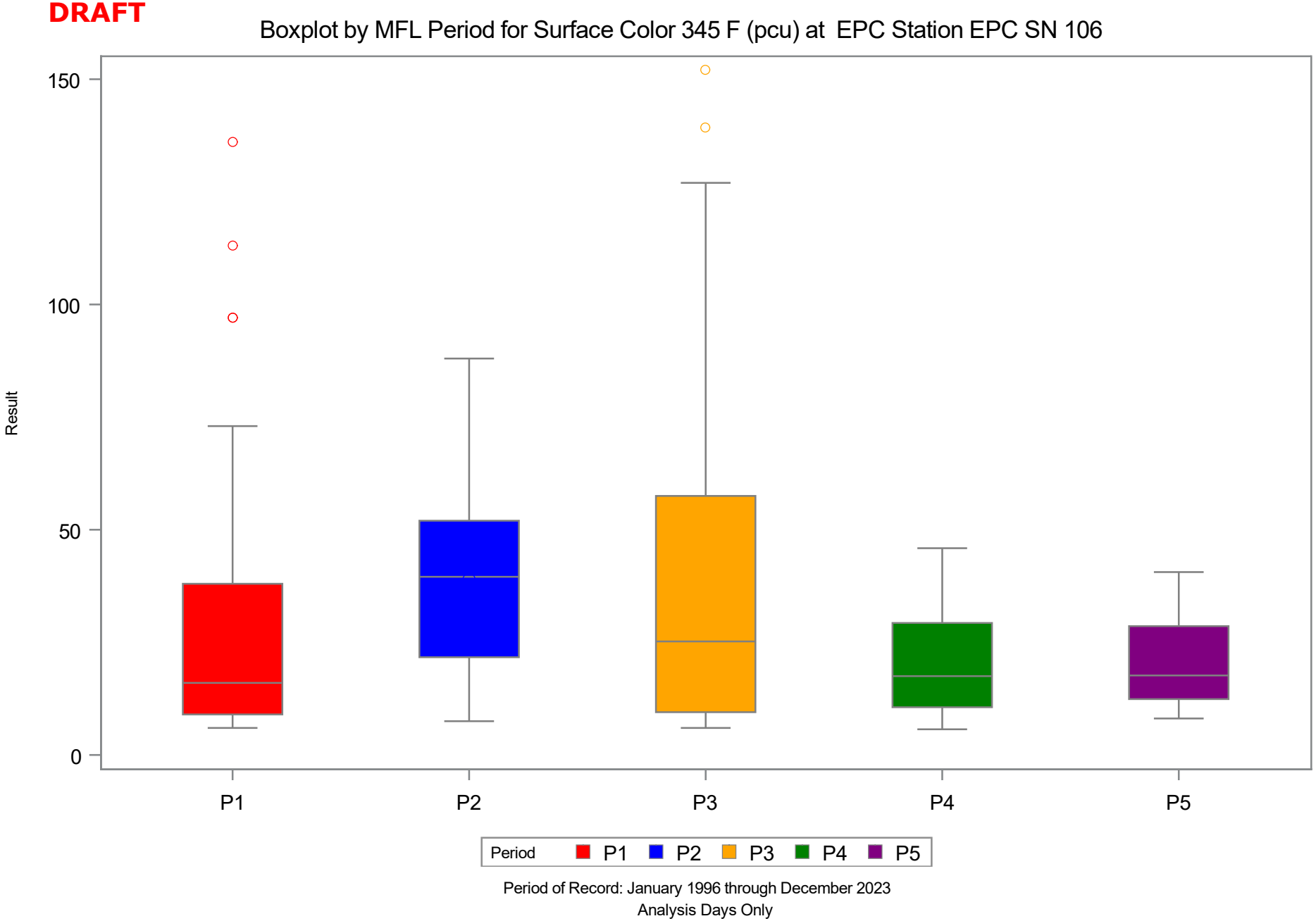
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 106

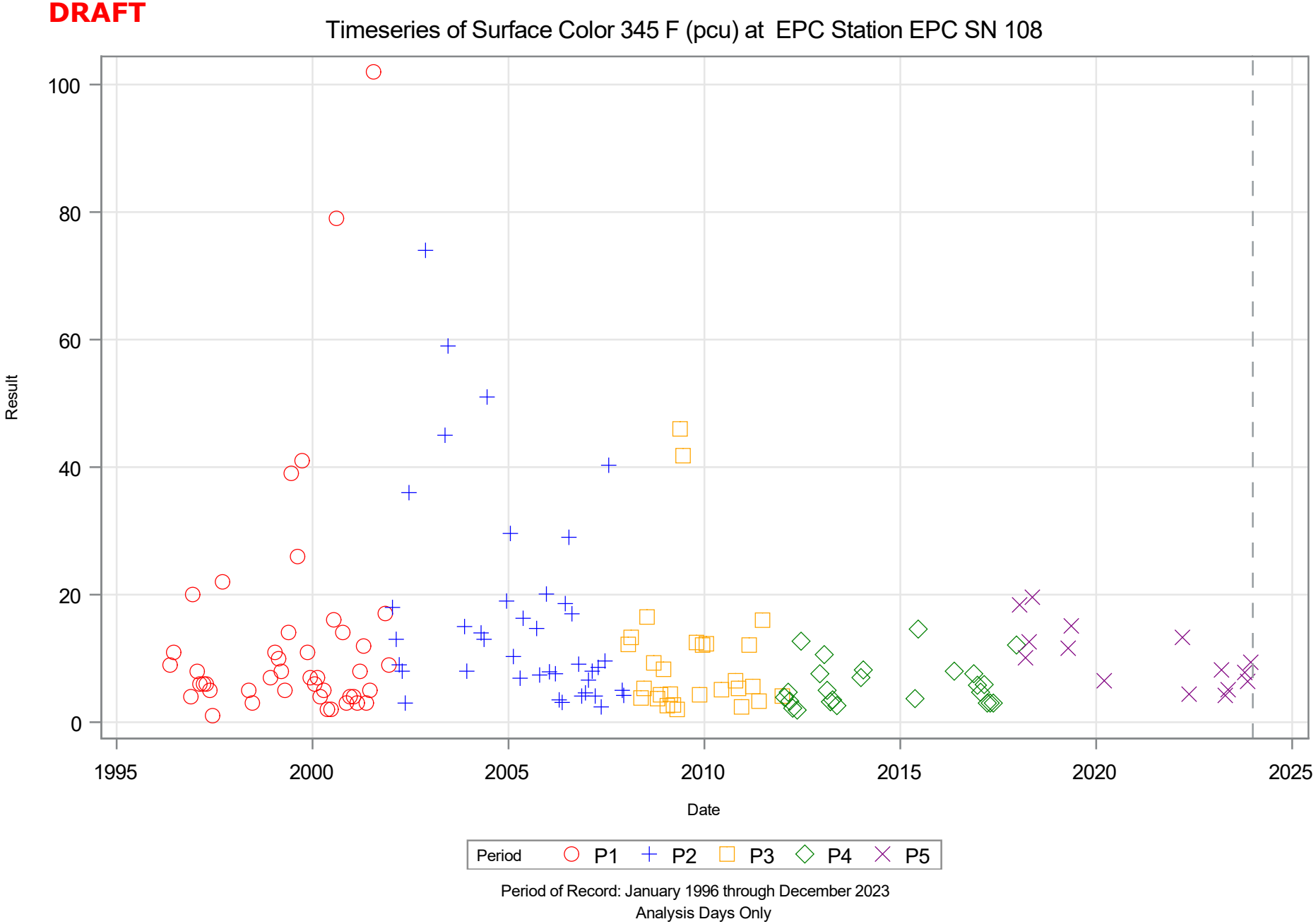
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	6.00	9.00	29.52	16.00	38.00	136.00
P2	42	7.50	21.70	38.78	39.55	52.00	88.00
P3	27	6.00	9.50	39.51	25.20	57.50	152.10
P4	25	5.70	10.60	20.10	17.50	29.30	45.90
P5	14	8.10	12.40	20.23	17.65	28.60	40.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

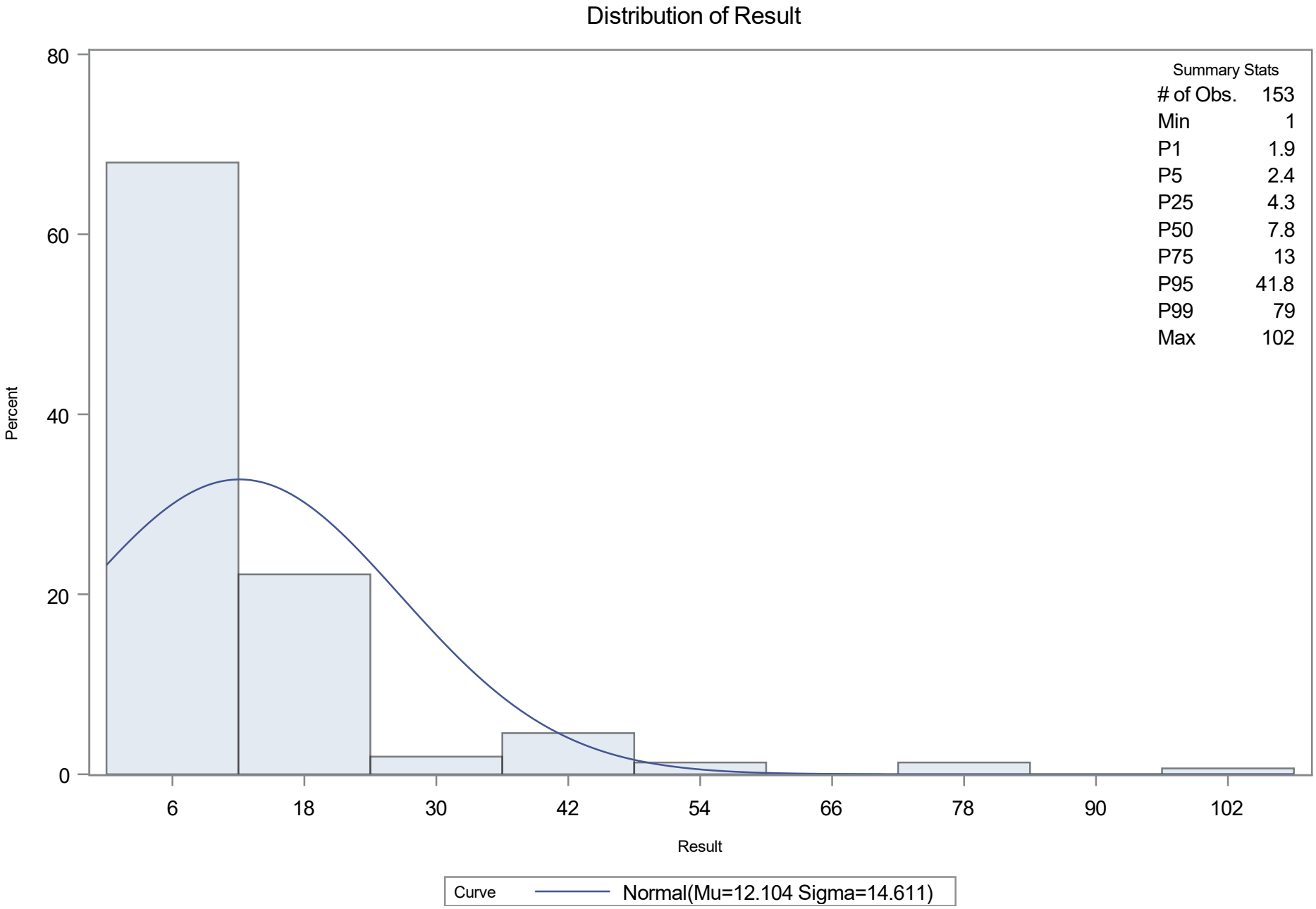

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 106
Result
150
100
50
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 108
Result
100
80
60
40
20
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.10392
Std Dev	Sigma	14.61104

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2359368	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.3697303	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	18.0131024	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.90000	-21.88645
5.0	2.40000	-11.92911
10.0	3.00000	-6.62089
25.0	4.30000	2.24892
50.0	7.80000	12.10392
75.0	13.00000	21.95892
90.0	22.00000	30.82873
95.0	41.80000	36.13695
99.0	79.00000	46.09429

Period of Record: January 1996 through December 2023
Analysis Days Only

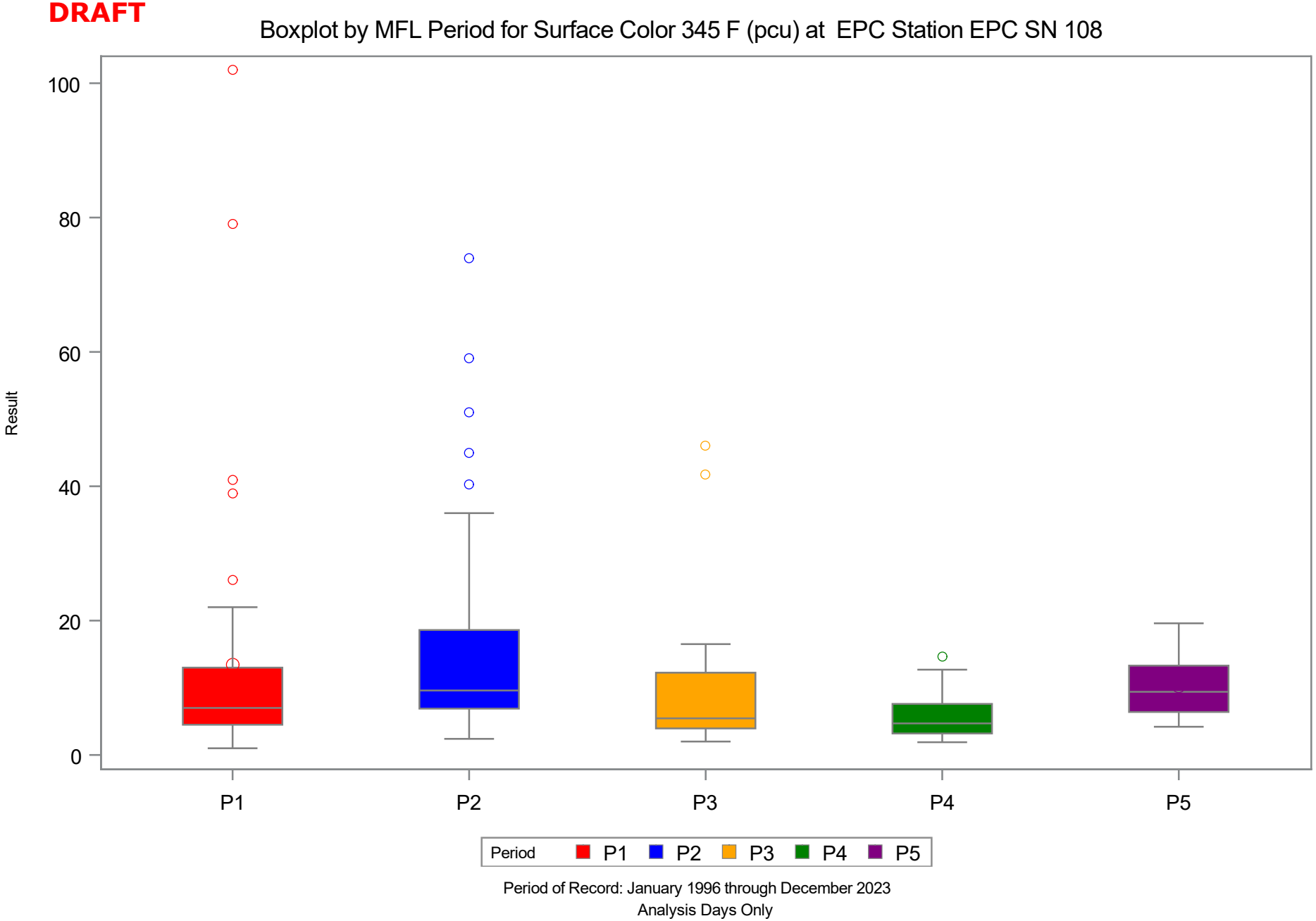
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 108

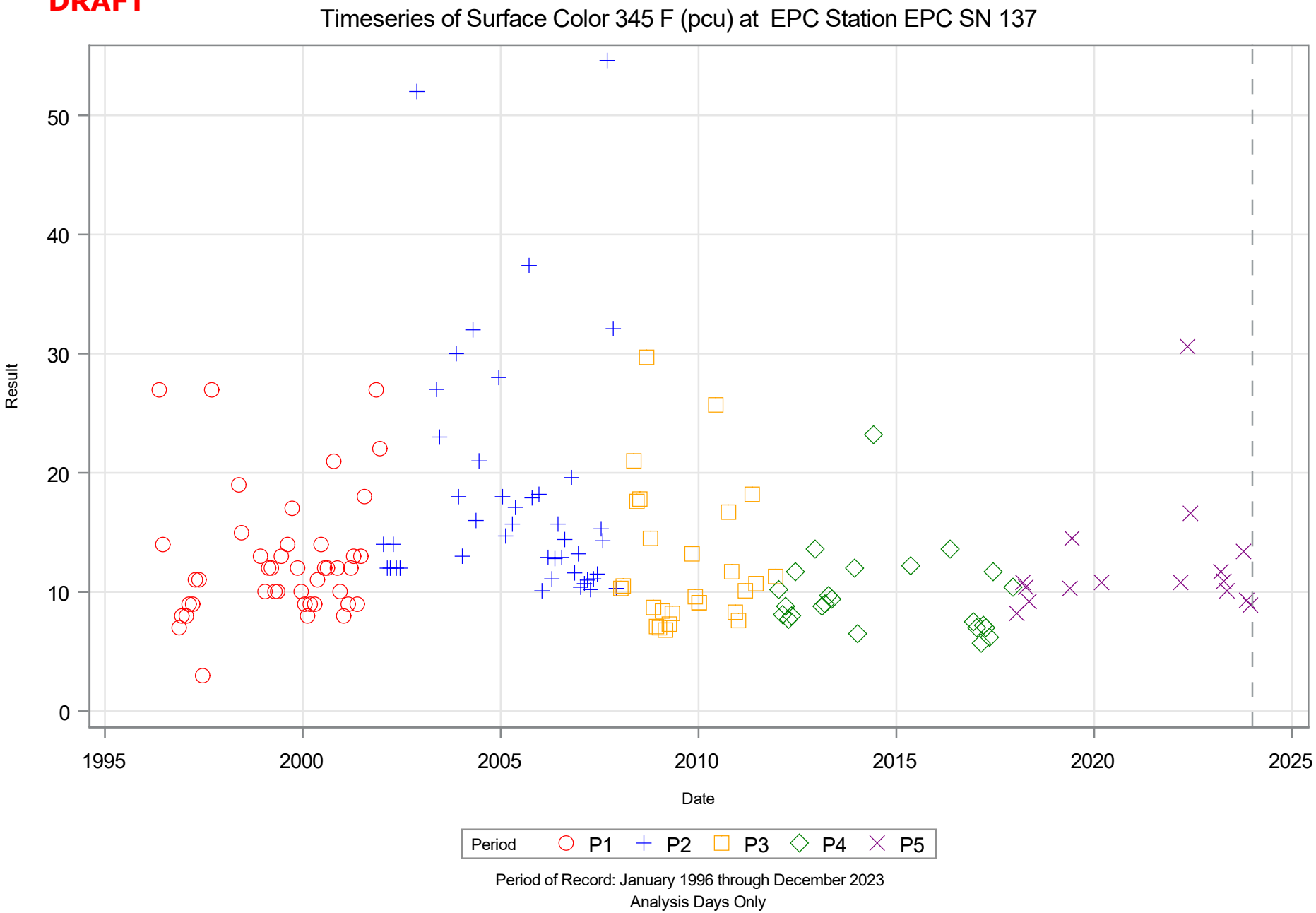
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	1.00	4.50	13.41	7.00	13.00	102.00
P2	41	2.40	6.90	16.67	9.60	18.60	74.00
P3	28	2.00	3.95	9.92	5.45	12.25	46.00
P4	25	1.90	3.20	5.91	4.70	7.60	14.60
P5	15	4.20	6.40	10.18	9.40	13.30	19.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

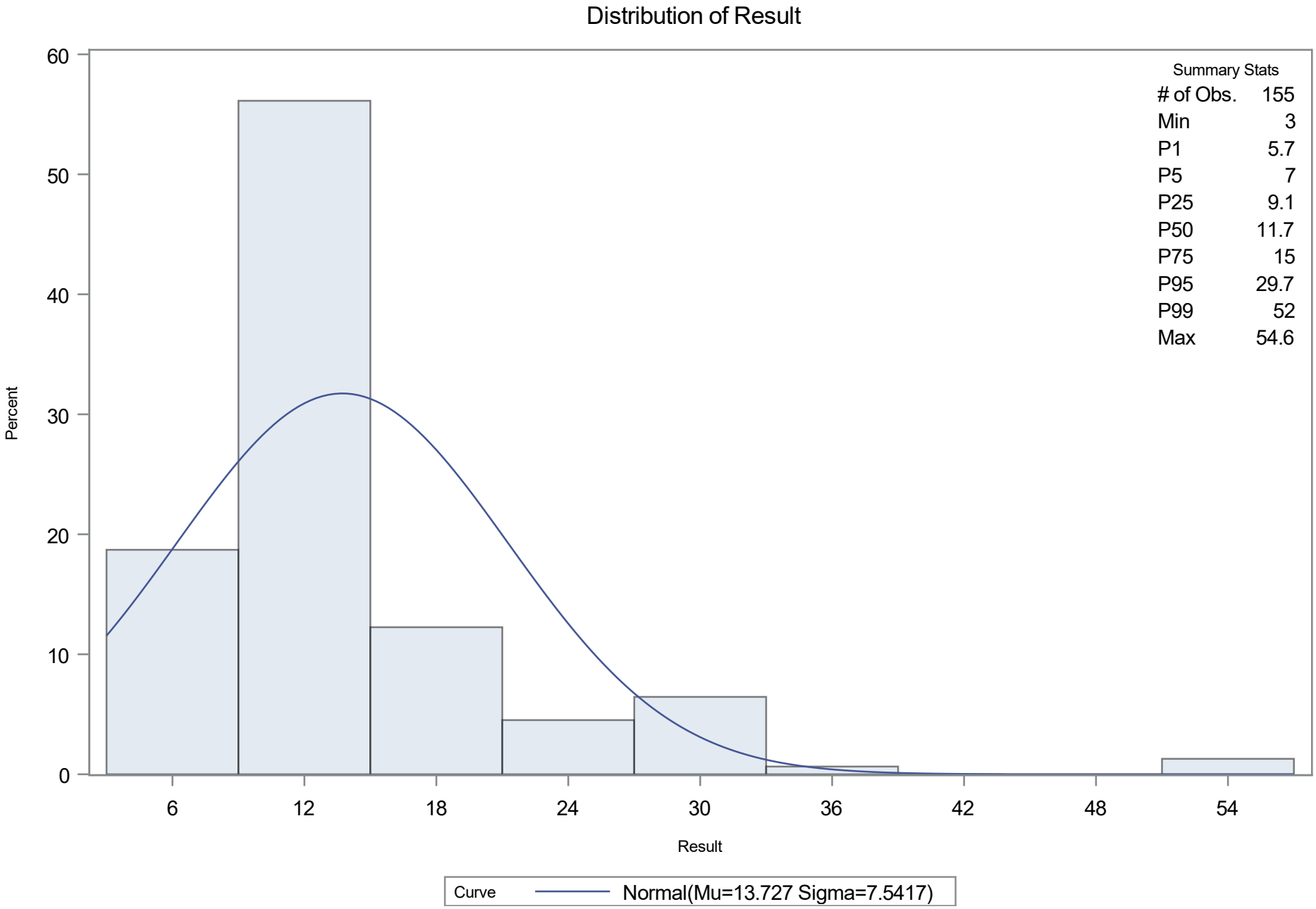

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 108
Result
100
80
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 137
Result
0
10
20
30
40
50
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.7271
Std Dev	Sigma	7.541696

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2016961	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.9923118	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.8150152	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.70000	-3.81751
5.0	7.00000	1.32211
10.0	8.00000	4.06202
25.0	9.10000	8.64030
50.0	11.70000	13.72710
75.0	15.00000	18.81389
90.0	23.00000	23.39217
95.0	29.70000	26.13208
99.0	52.00000	31.27171

Period of Record: January 1996 through December 2023
Analysis Days Only

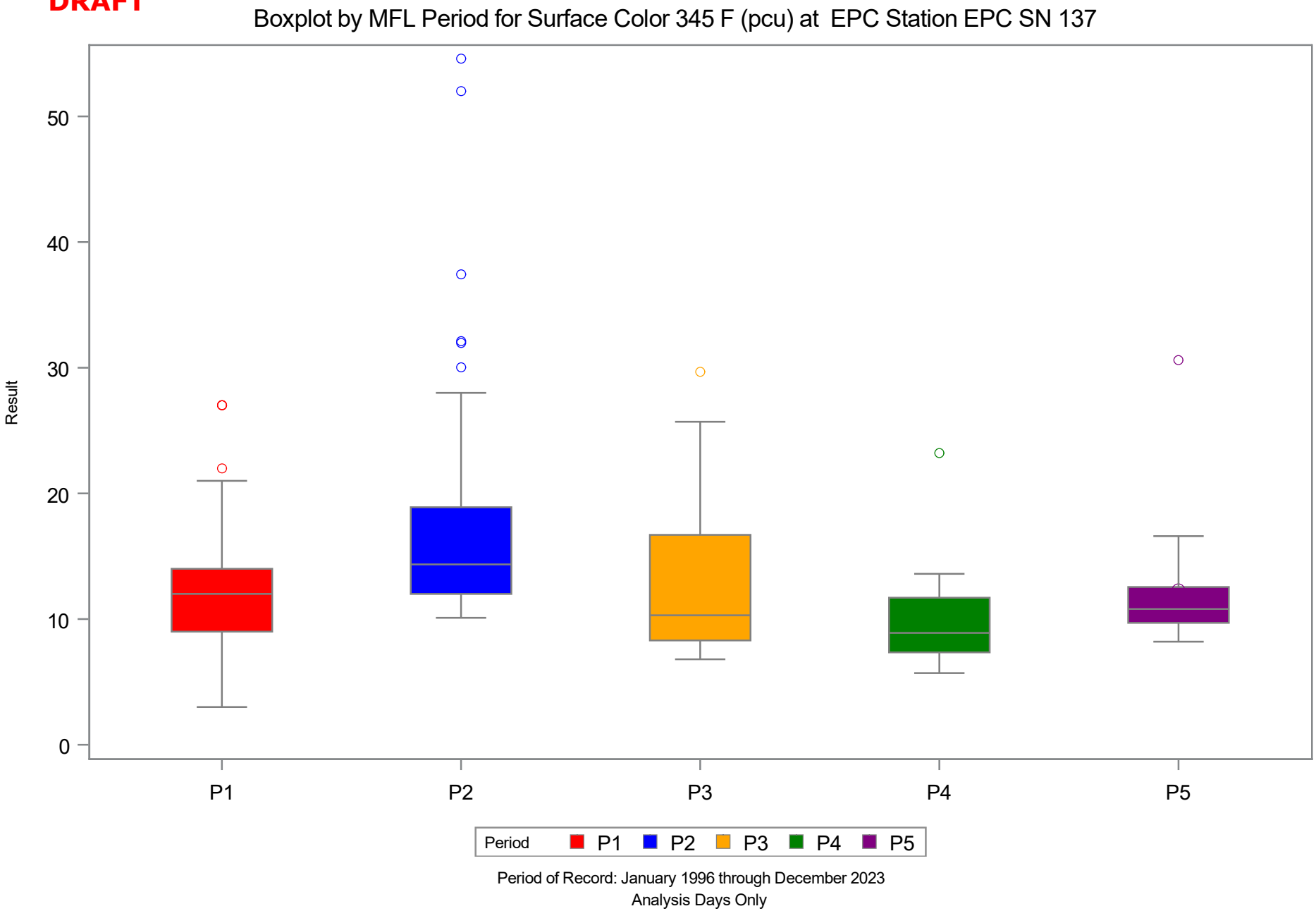
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 137

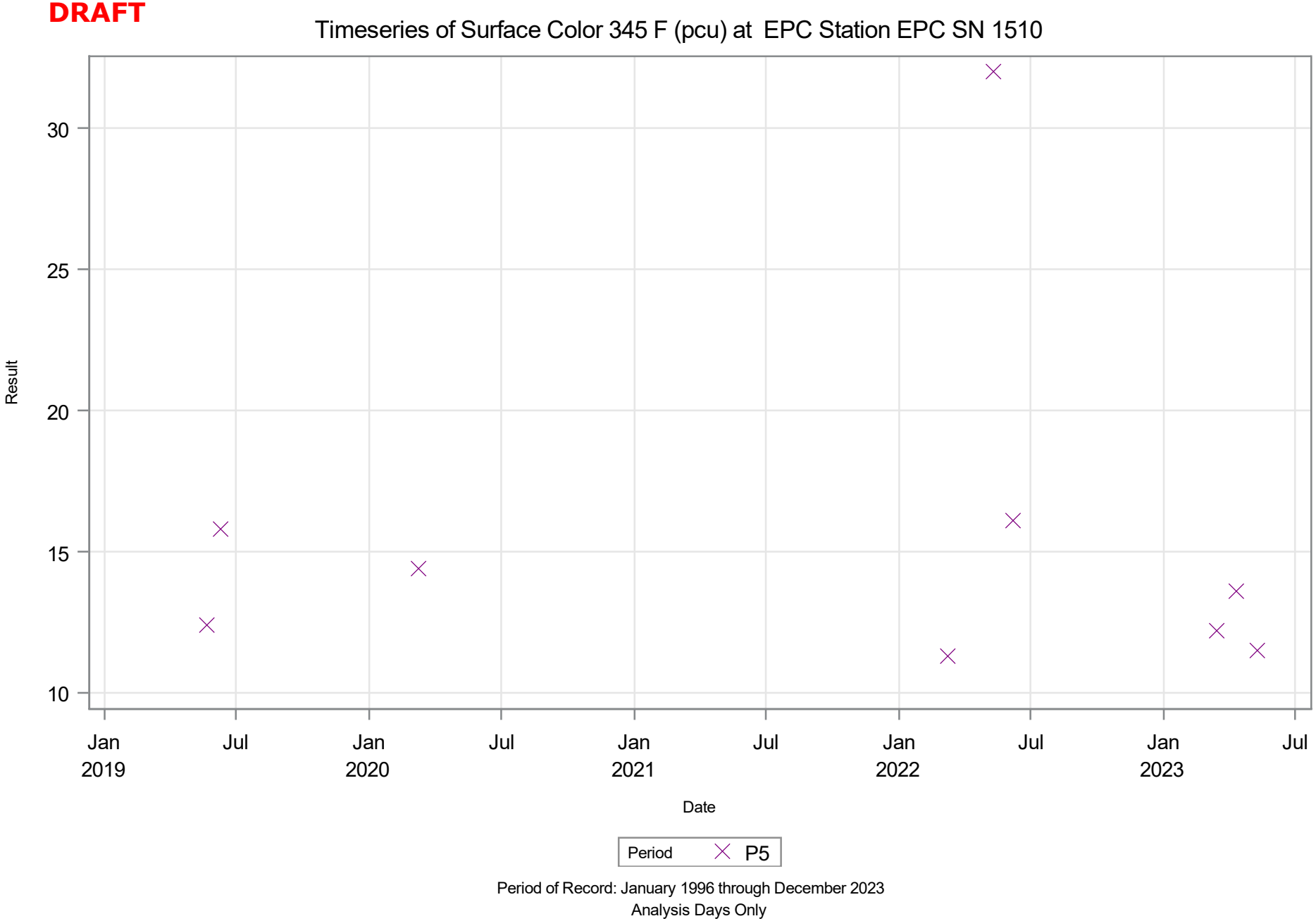
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	3.00	9.00	12.70	12.00	14.00	27.00
P2	44	10.10	12.00	18.20	14.35	18.90	54.60
P3	27	6.80	8.30	12.45	10.30	16.70	29.70
P4	24	5.70	7.35	9.80	8.90	11.70	23.20
P5	16	8.20	9.70	12.28	10.80	12.55	30.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

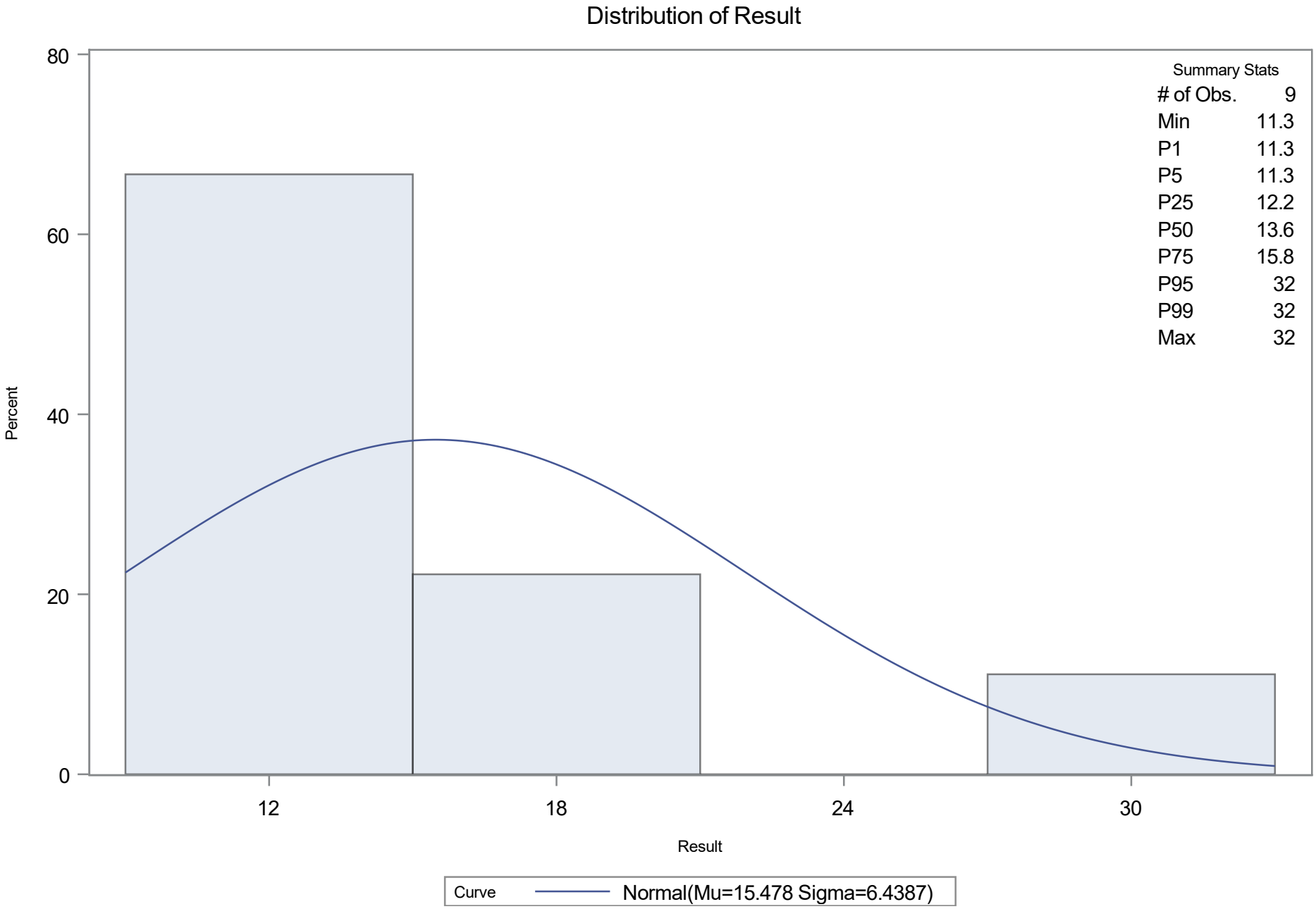

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 137
Result
0
10
20
30
40
50
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 1510
Result
30
25
20
15
10
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.47778
Std Dev	Sigma	6.438707

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.35039592	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24177648	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.36024326	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.3000	0.49911
5.0	11.3000	4.88705
10.0	11.3000	7.22624
25.0	12.2000	11.13494
50.0	13.6000	15.47778
75.0	15.8000	19.82062
90.0	32.0000	23.72931
95.0	32.0000	26.06851
99.0	32.0000	30.45645

Period of Record: January 1996 through December 2023
Analysis Days Only

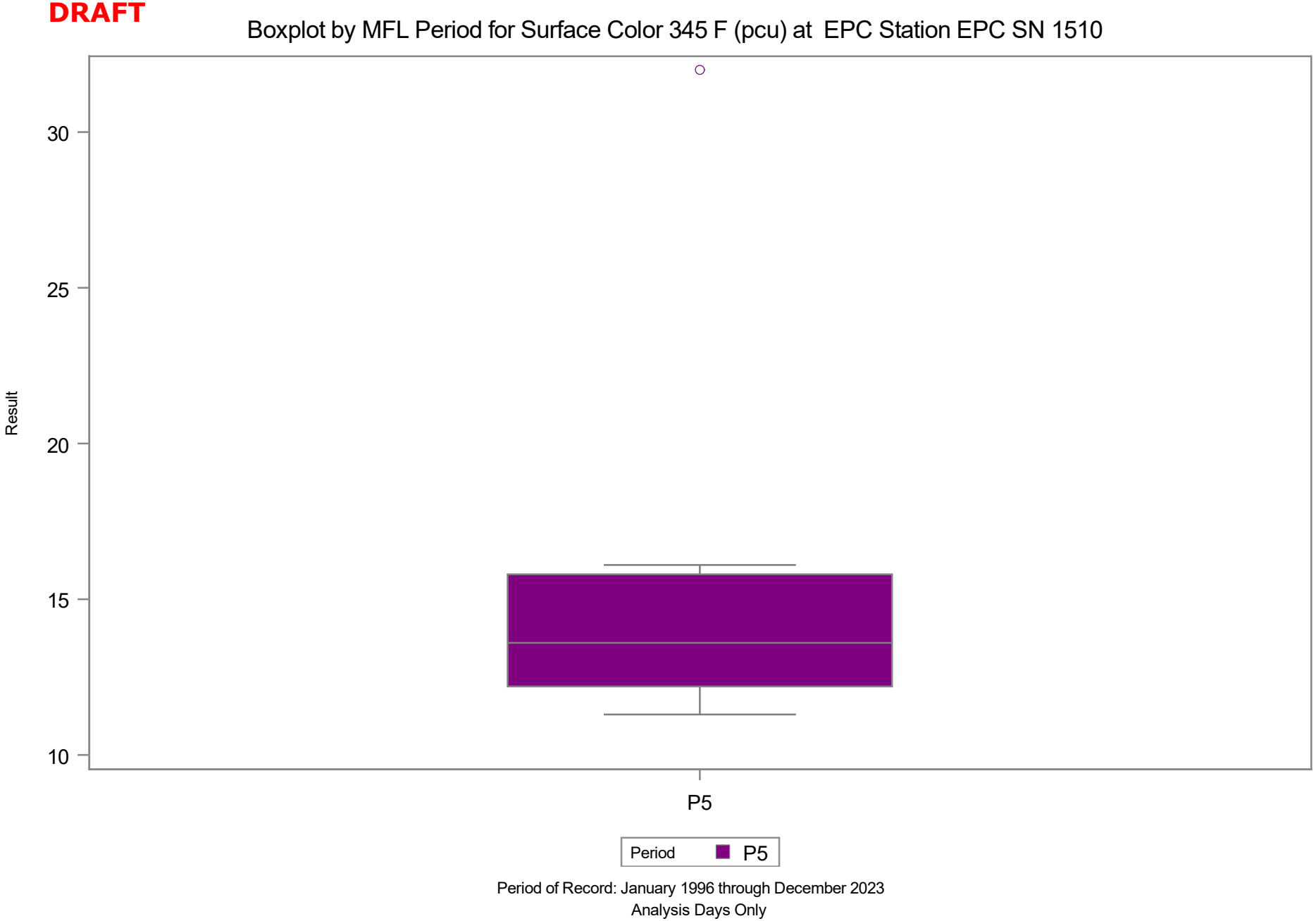
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 1510

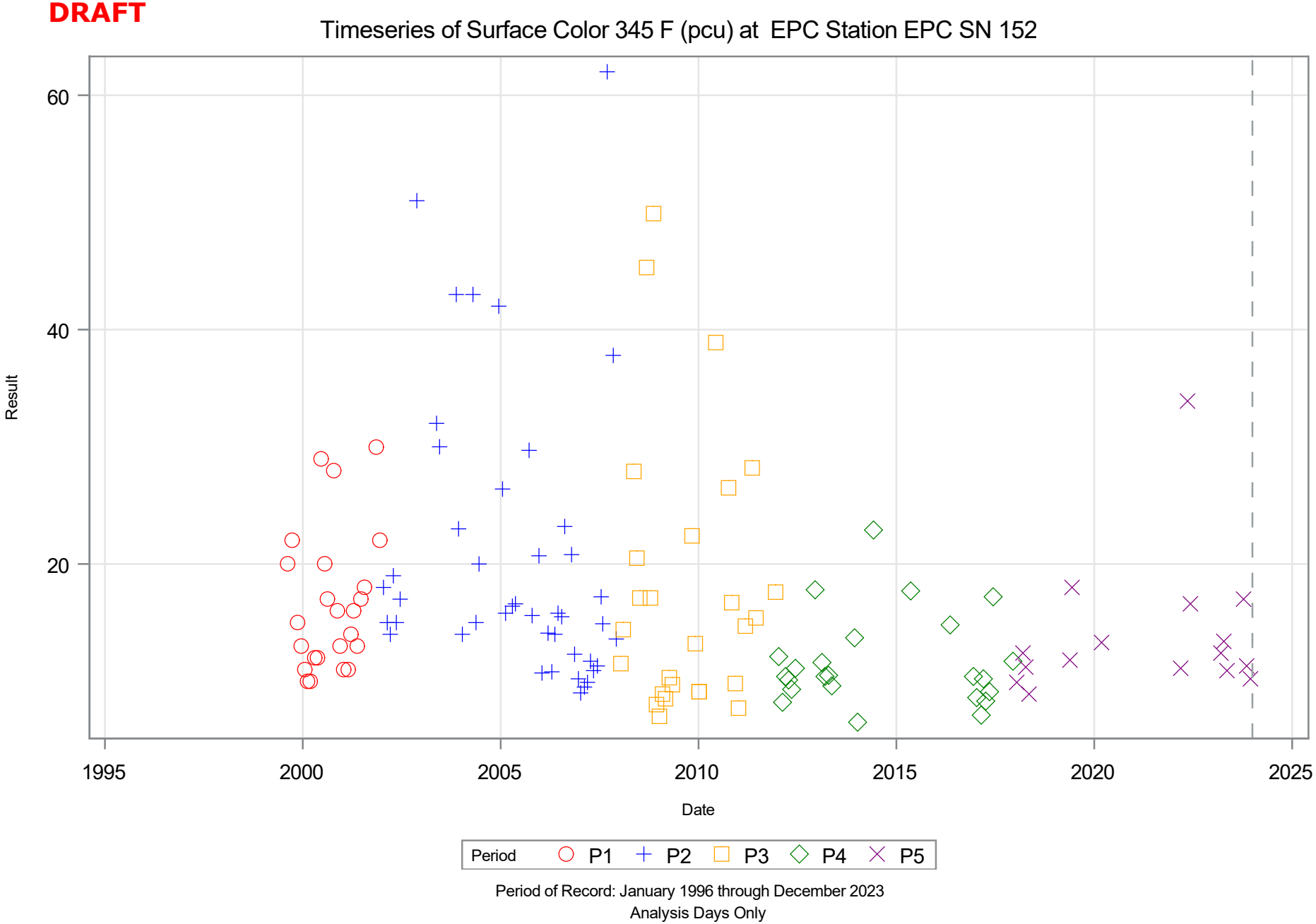
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	11.30	12.20	15.48	13.60	15.80	32.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

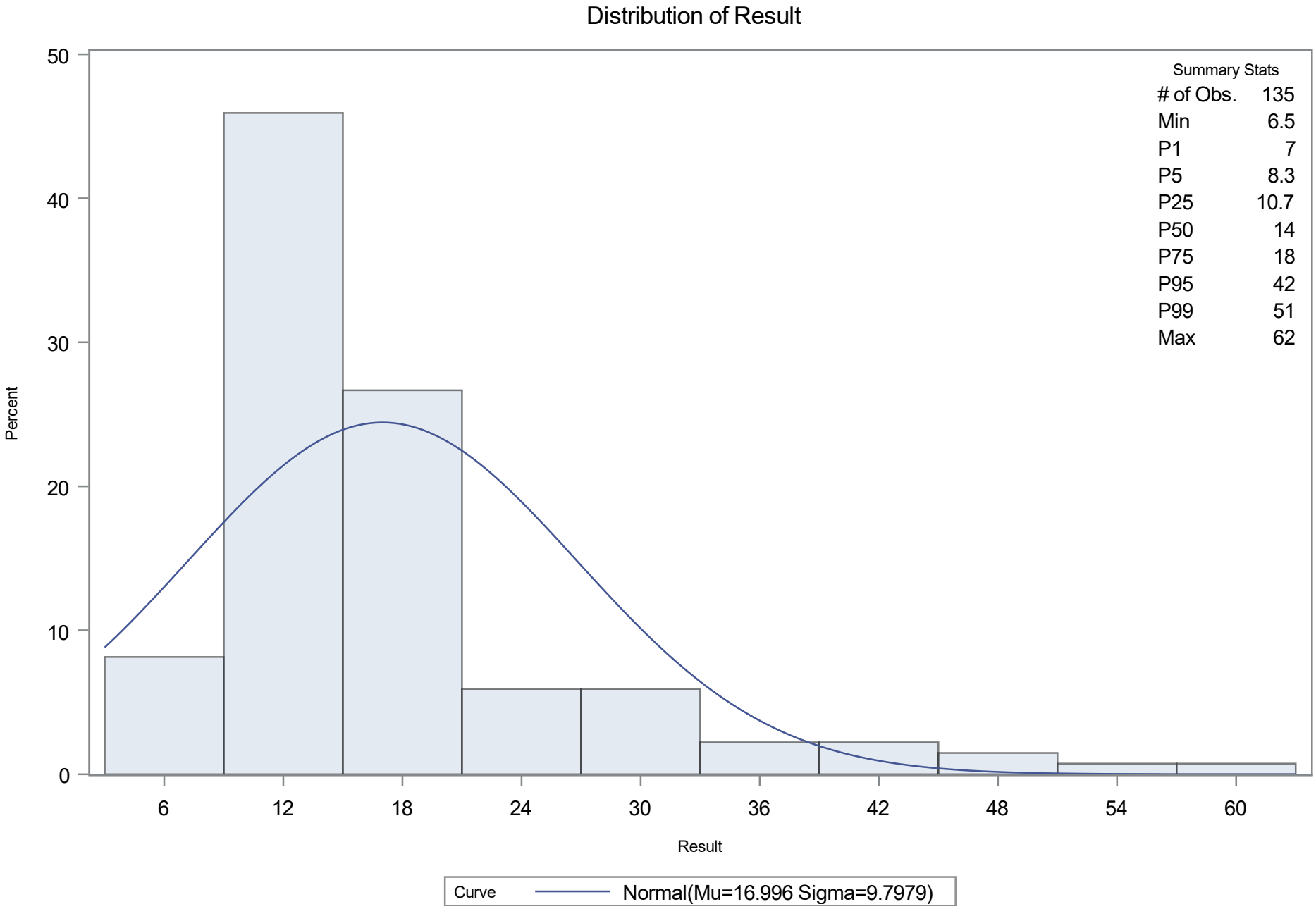

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 1510
Result
30
25
20
15
10
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 152
Result
60
40
20
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.99556
Std Dev	Sigma	9.797859

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21472882	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.67288174	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.42915488	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.00000	-5.79767
5.0	8.30000	0.87951
10.0	9.10000	4.43909
25.0	10.70000	10.38700
50.0	14.00000	16.99556
75.0	18.00000	23.60411
90.0	29.70000	29.55202
95.0	42.00000	33.11160
99.0	51.00000	39.78878

Period of Record: January 1996 through December 2023
Analysis Days Only

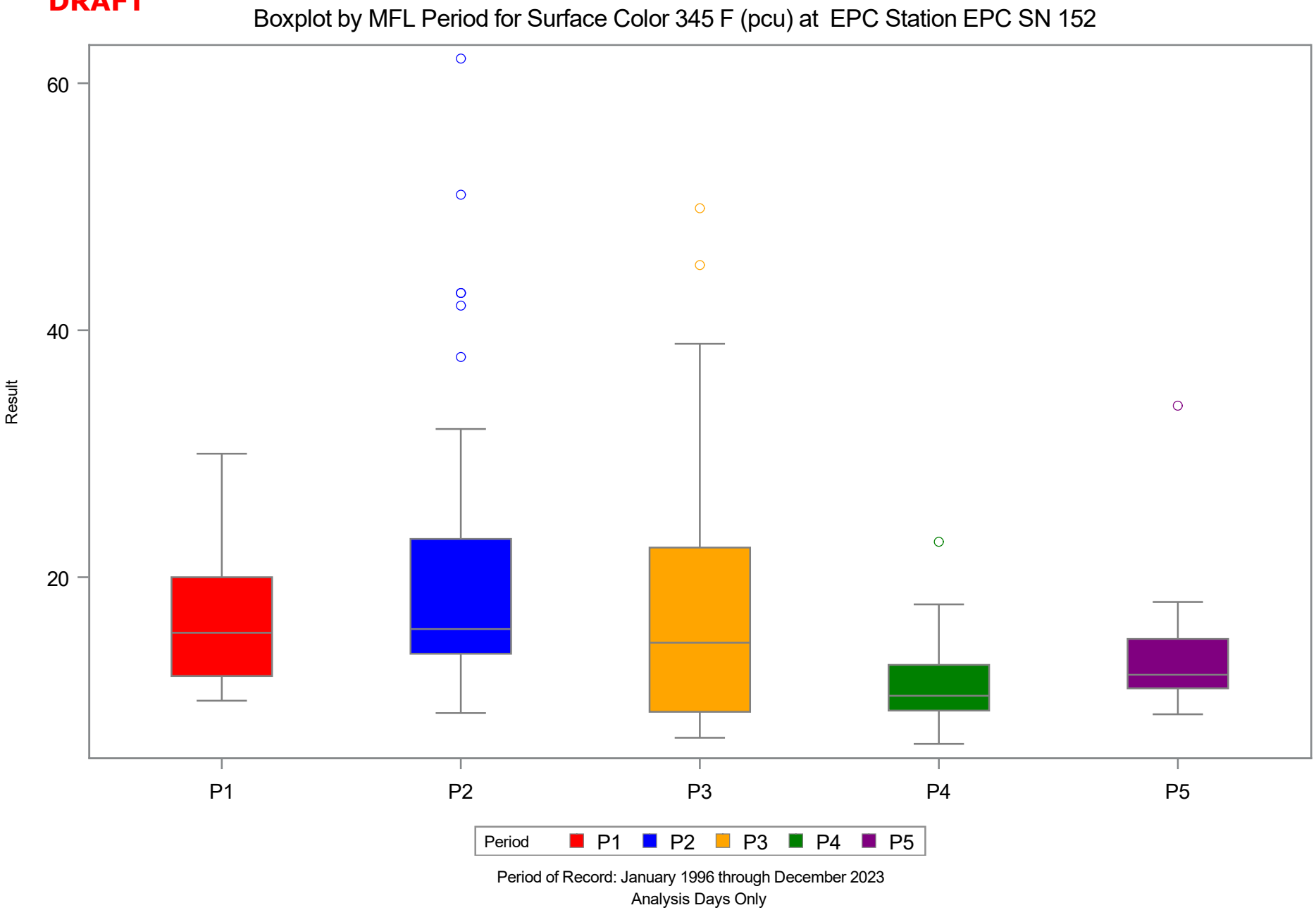
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 152

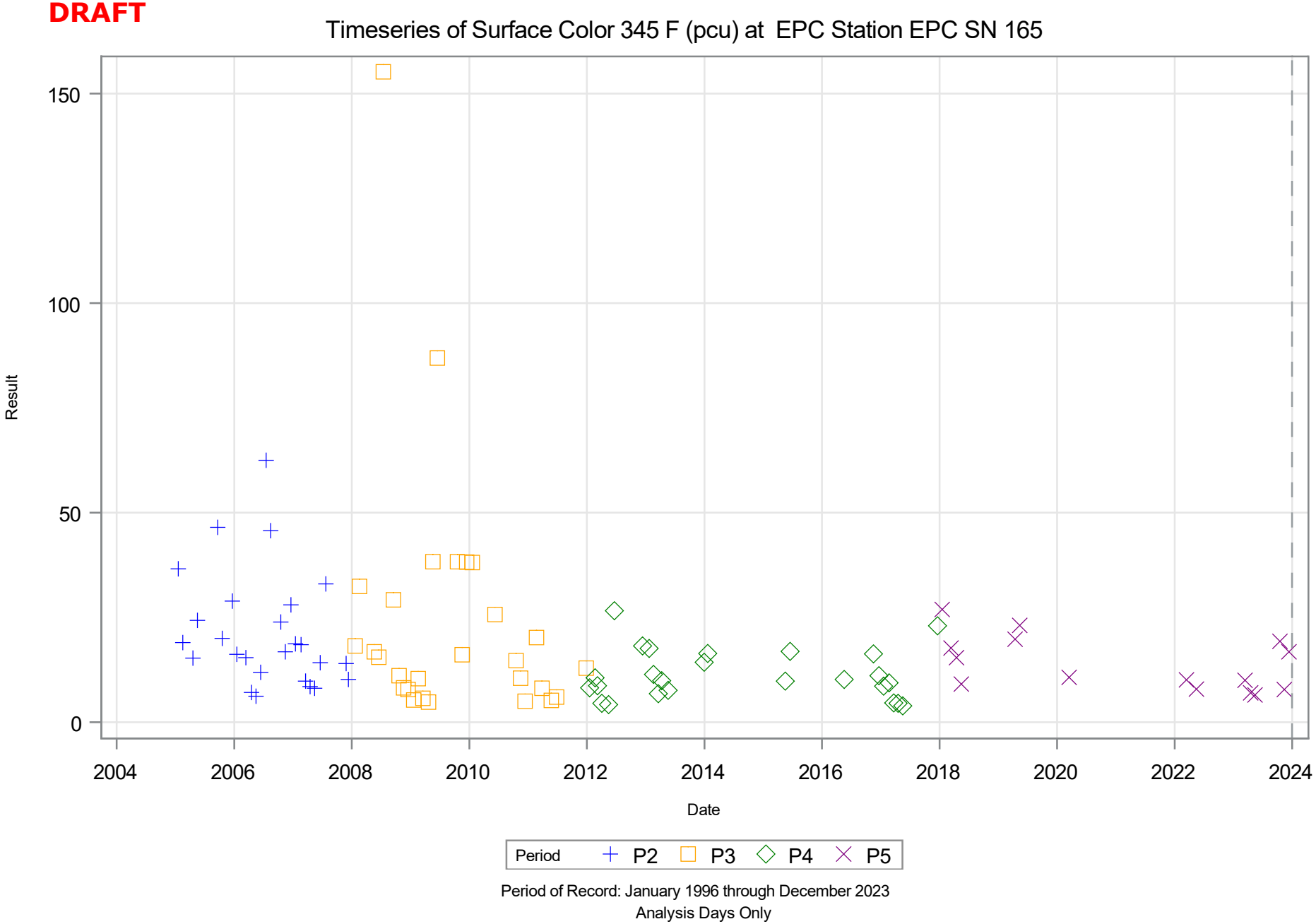
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	10.00	12.00	16.67	15.50	20.00	30.00
P2	44	9.00	13.80	20.62	15.80	23.10	62.00
P3	27	7.00	9.10	17.98	14.70	22.40	49.90
P4	24	6.50	9.20	11.64	10.40	12.90	22.90
P5	16	8.90	11.00	13.89	12.10	15.00	33.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

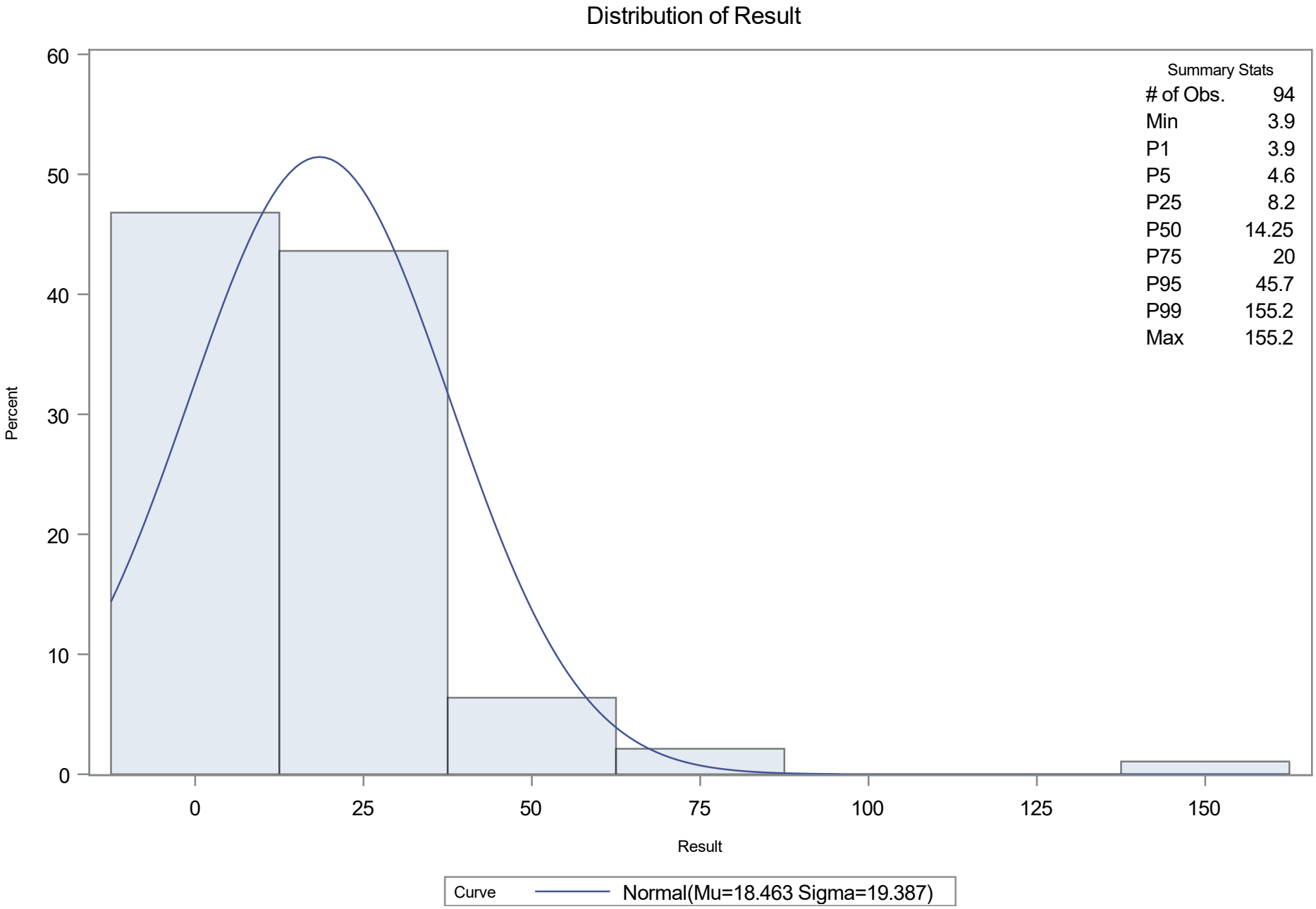

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 152
Result
60
40
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 165
Result
150
100
50
0
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.46277
Std Dev	Sigma	19.38678

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23025633	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.61913422	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.03950481	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.90000	-26.63763
5.0	4.60000	-13.42565
10.0	5.70000	-6.38239
25.0	8.20000	5.38658
50.0	14.25000	18.46277
75.0	20.00000	31.53895
90.0	36.60000	43.30793
95.0	45.70000	50.35118
99.0	155.20000	63.56316

Period of Record: January 1996 through December 2023
Analysis Days Only

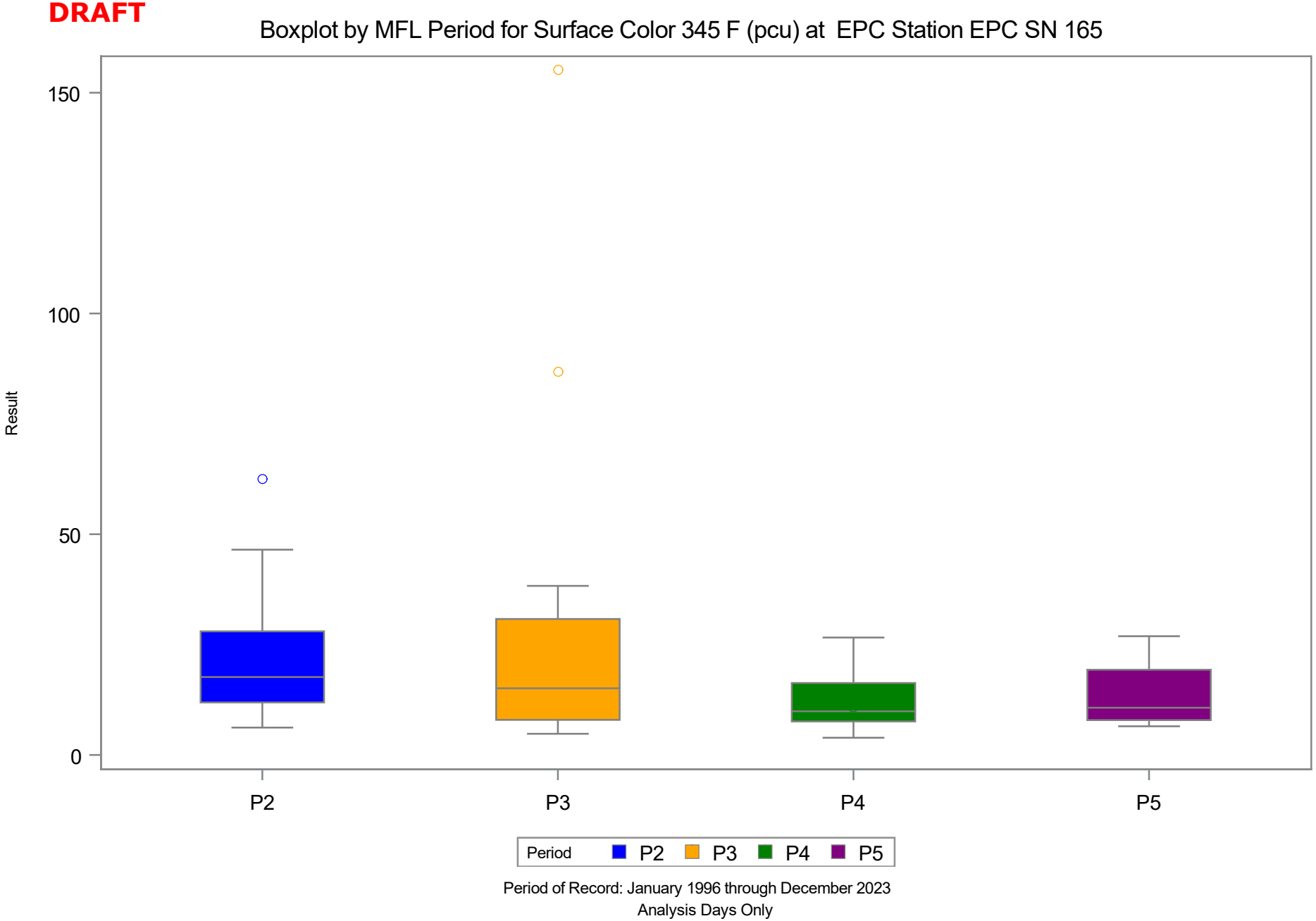
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 165

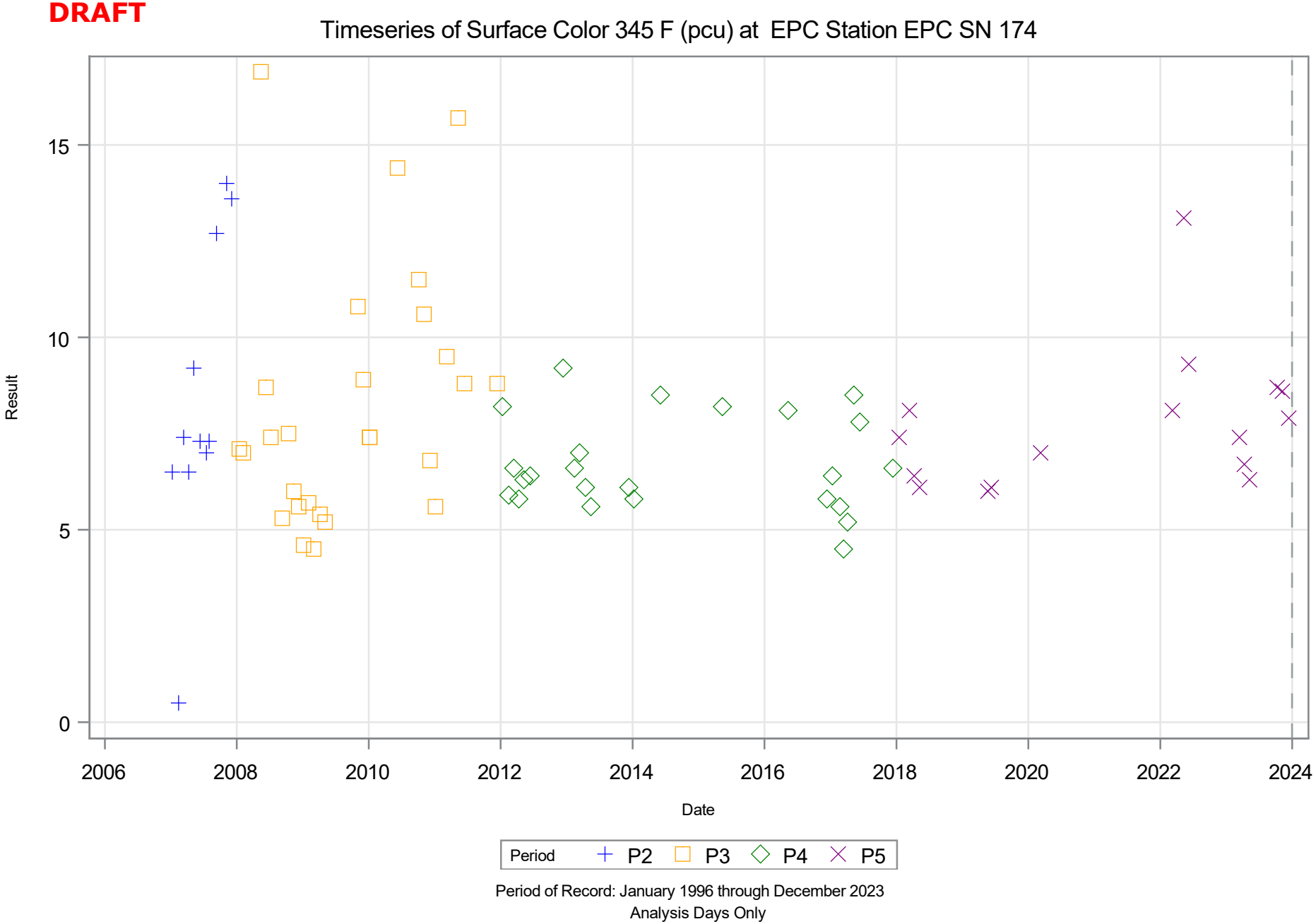
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	6.20	11.90	21.51	17.65	28.00	62.50
P3	28	4.80	7.95	24.46	15.10	30.80	155.20
P4	25	3.90	7.60	11.33	9.90	16.30	26.60
P5	15	6.50	7.90	13.87	10.70	19.30	26.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

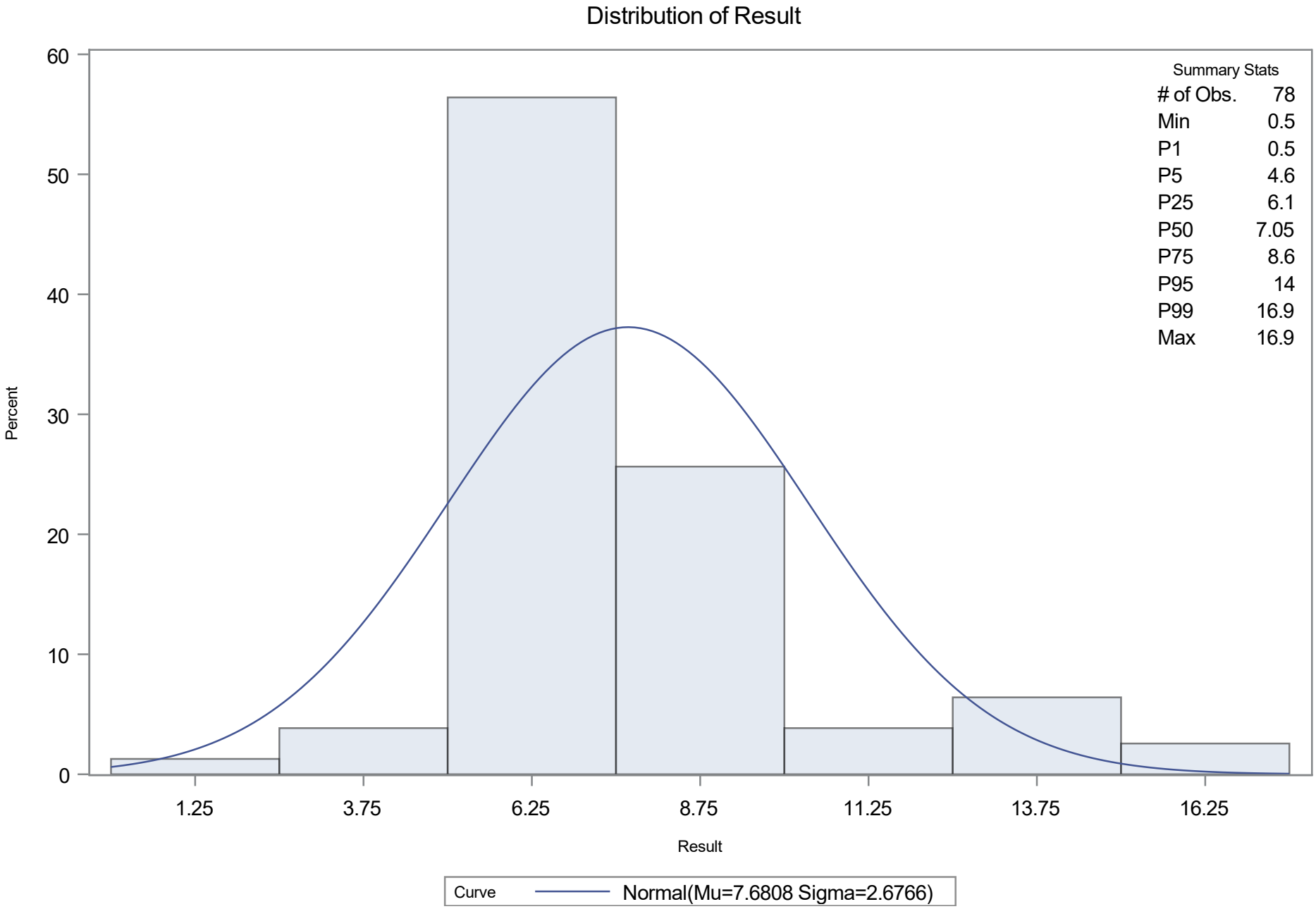

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 165
Result
150
100
50
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 174
Result
0
5
10
15
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.680769
Std Dev	Sigma	2.676597

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15715618	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.59182834	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.54000435	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.50000	1.45407
5.0	4.60000	3.27816
10.0	5.40000	4.25057
25.0	6.10000	5.87543
50.0	7.05000	7.68077
75.0	8.60000	9.48611
90.0	11.50000	11.11097
95.0	14.00000	12.08338
99.0	16.90000	13.90746

Period of Record: January 1996 through December 2023
Analysis Days Only

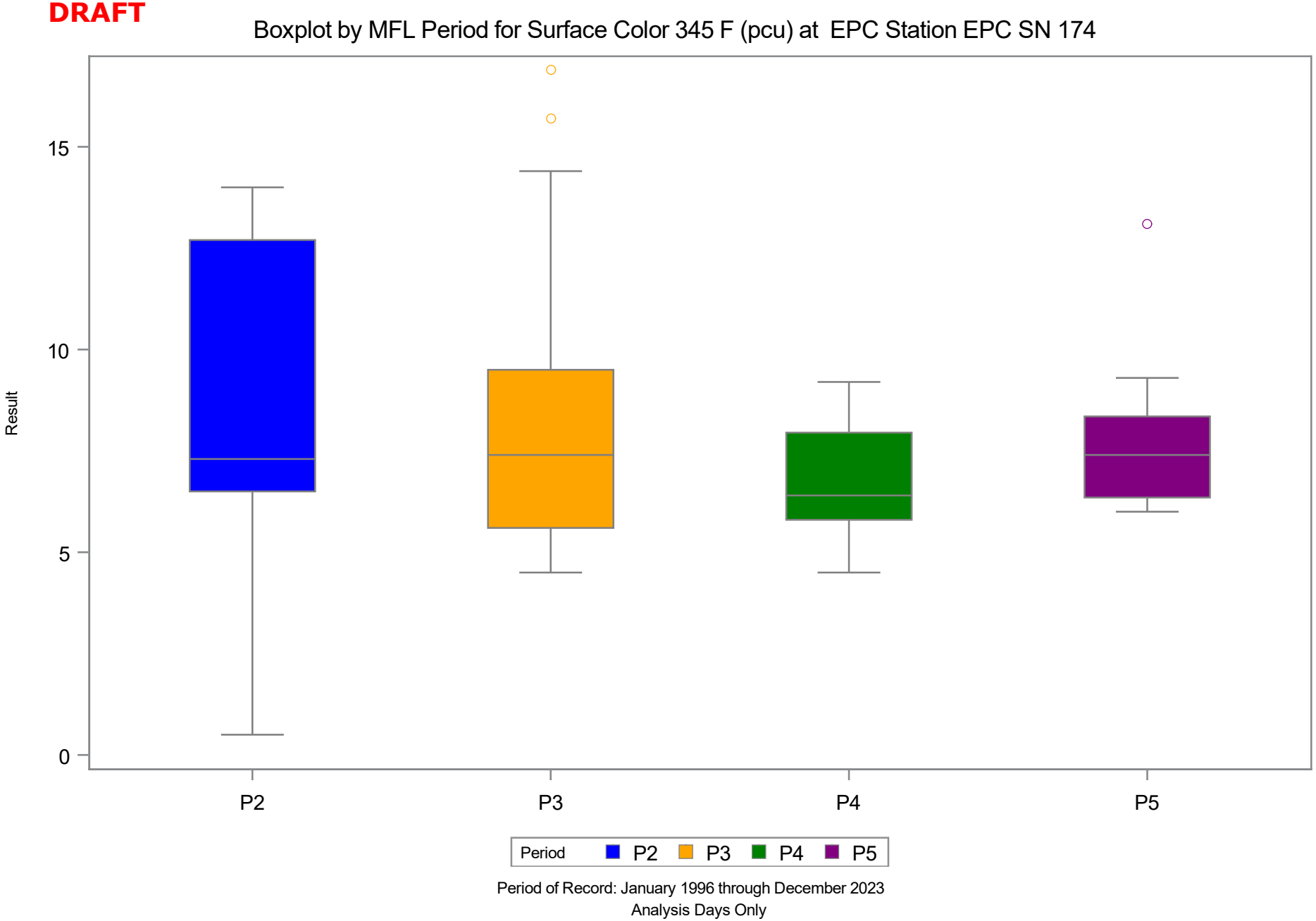
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 174

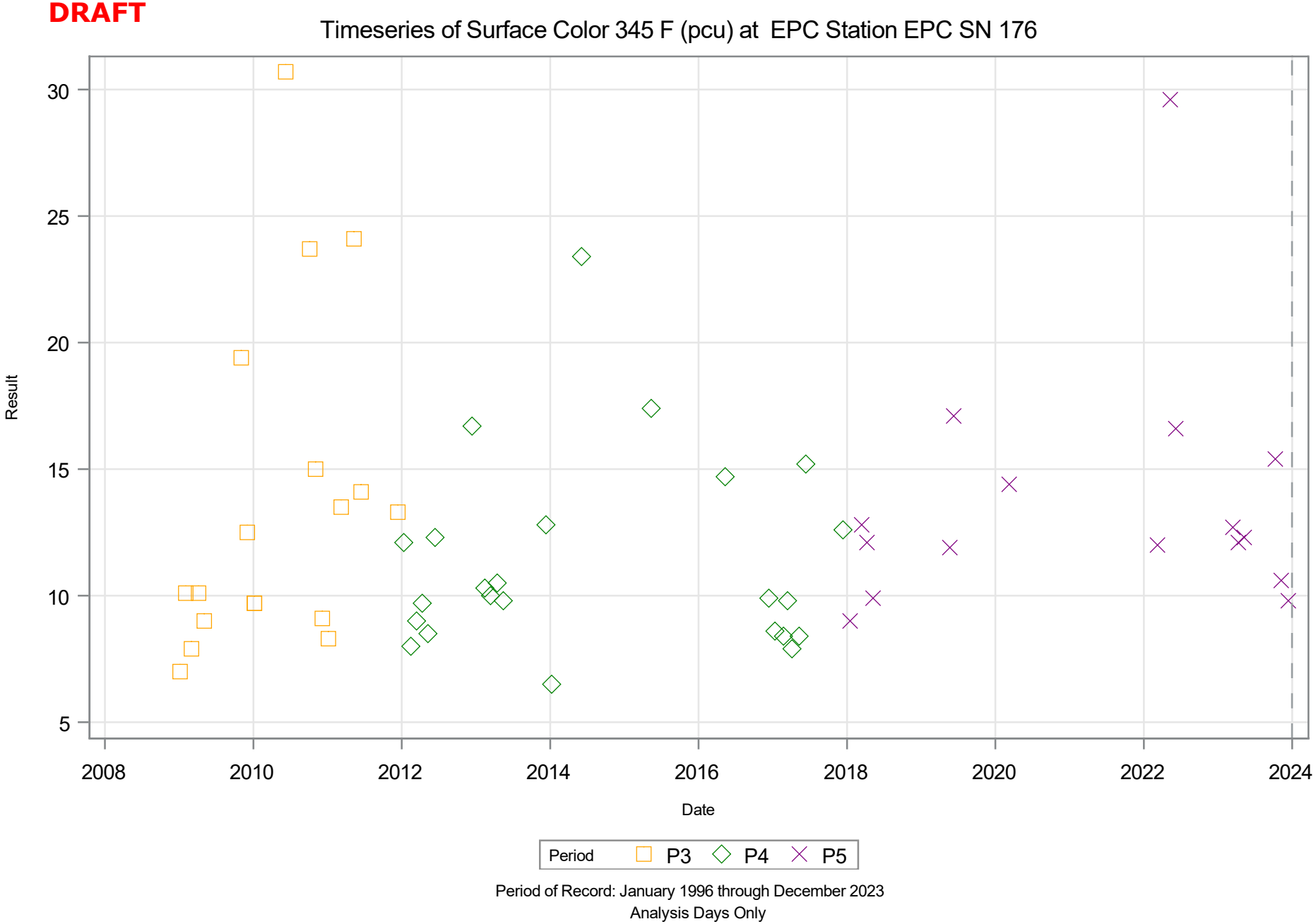
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	0.50	6.50	8.36	7.30	12.70	14.00
P3	27	4.50	5.60	8.26	7.40	9.50	16.90
P4	24	4.50	5.80	6.70	6.40	7.95	9.20
P5	16	6.00	6.35	7.70	7.40	8.35	13.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

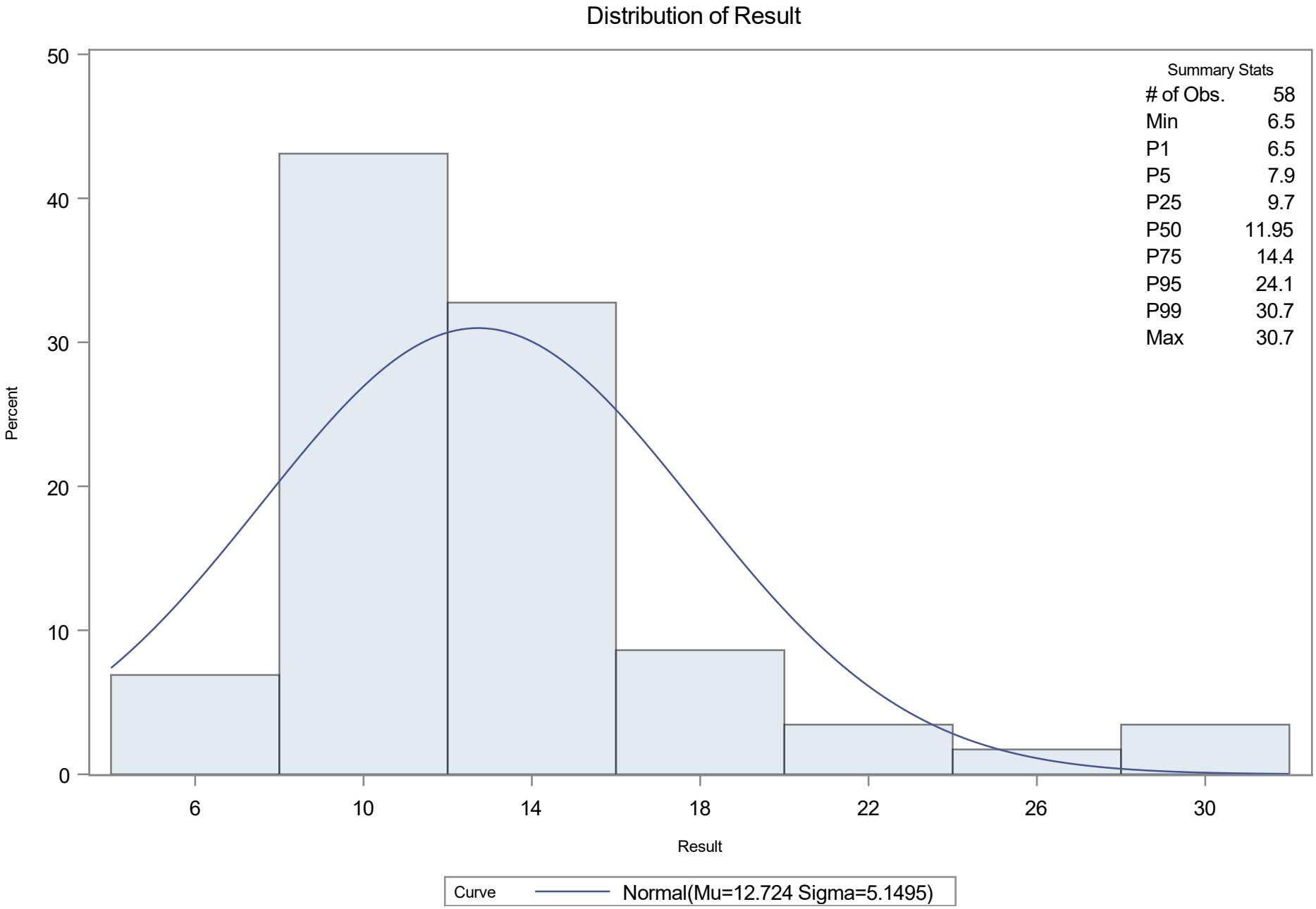

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 174
Result
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 176
Result
30
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.72414
Std Dev	Sigma	5.149529

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18377823	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.52768661	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.21610796	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.50000	0.74454
5.0	7.90000	4.25392
10.0	8.30000	6.12475
25.0	9.70000	9.25083
50.0	11.95000	12.72414
75.0	14.40000	16.19744
90.0	19.40000	19.32353
95.0	24.10000	21.19436
99.0	30.70000	24.70373

Period of Record: January 1996 through December 2023
Analysis Days Only

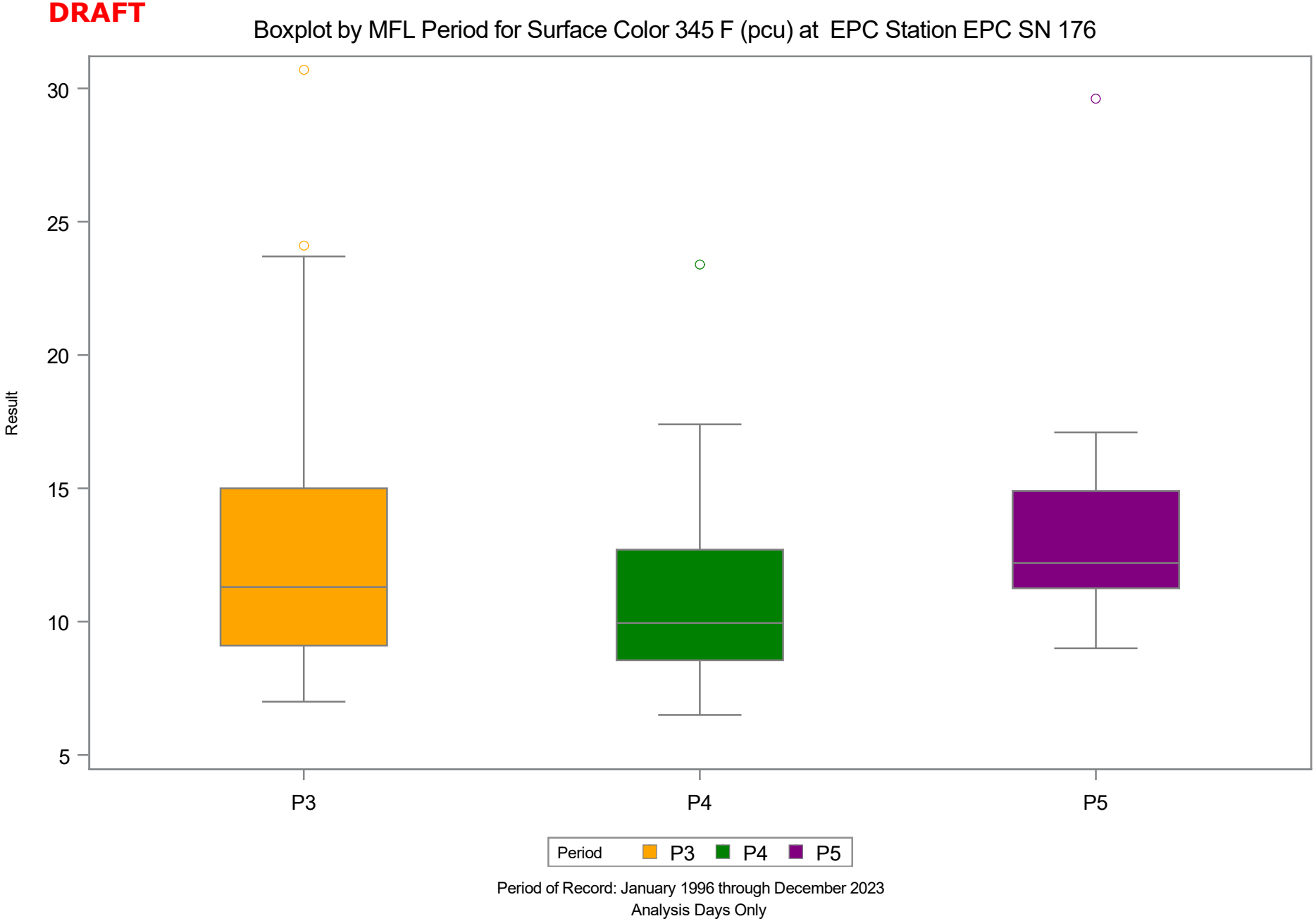
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 176

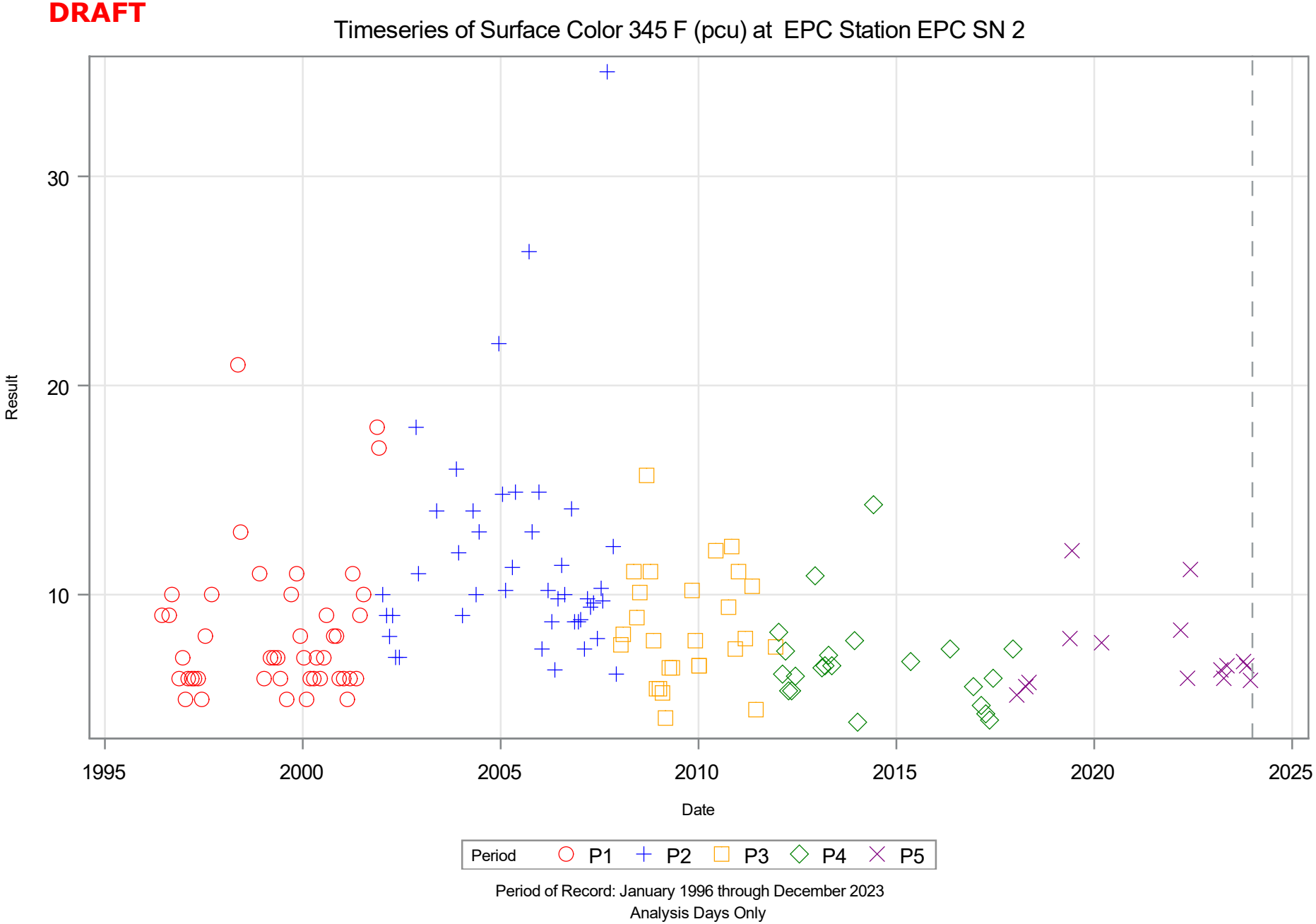
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	18	7.00	9.10	13.73	11.30	15.00	30.70
P4	24	6.50	8.55	11.35	9.95	12.70	23.40
P5	16	9.00	11.25	13.64	12.20	14.90	29.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

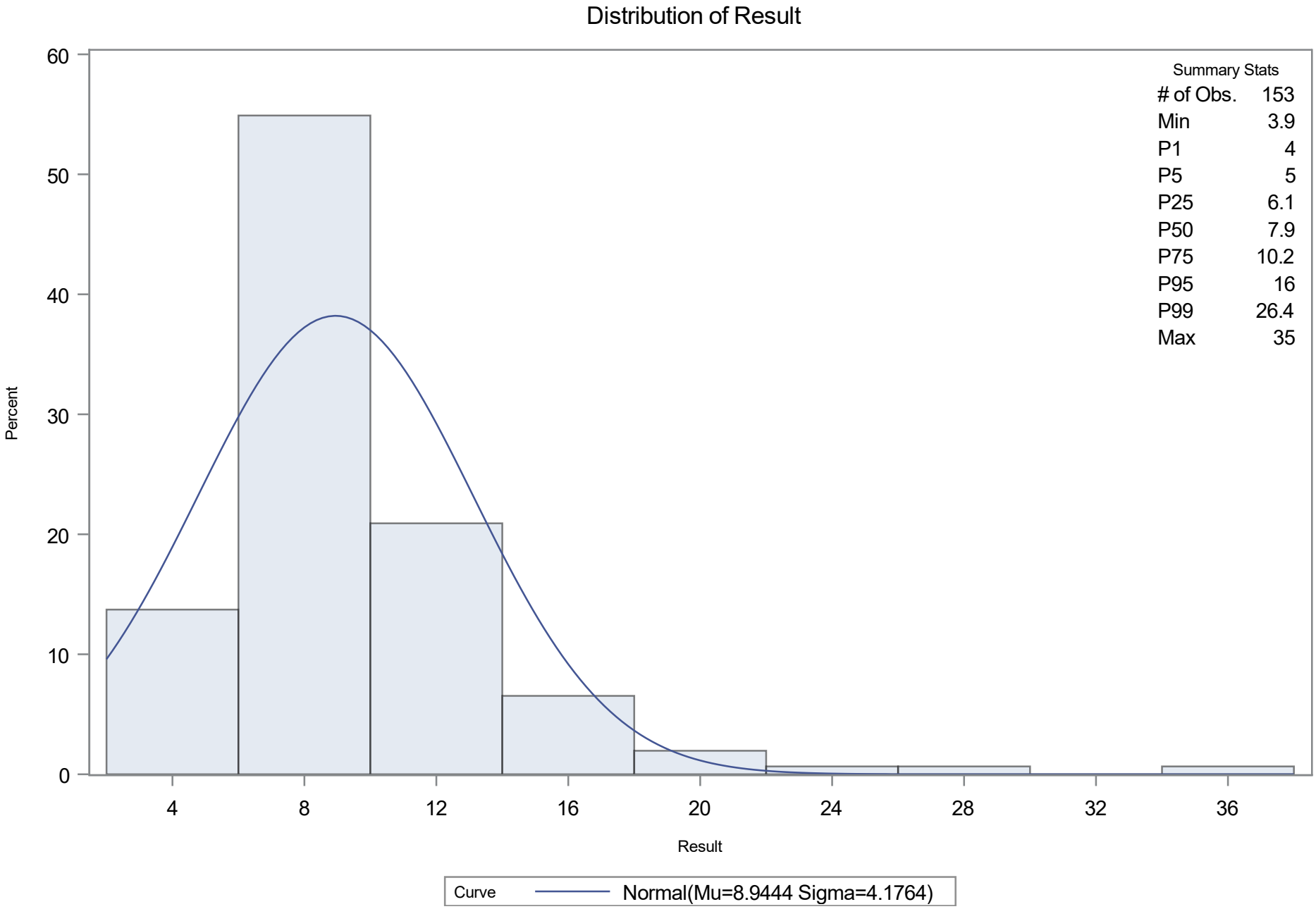

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 176
Result
30
25
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 2
Result
30
20
10
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.944444
Std Dev	Sigma	4.176436

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14175219	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.19590847	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.11039877	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.00000	-0.77140
5.0	5.00000	2.07482
10.0	5.50000	3.59213
25.0	6.10000	6.12748
50.0	7.90000	8.94444
75.0	10.20000	11.76141
90.0	14.00000	14.29676
95.0	16.00000	15.81407
99.0	26.40000	18.66029

Period of Record: January 1996 through December 2023
Analysis Days Only

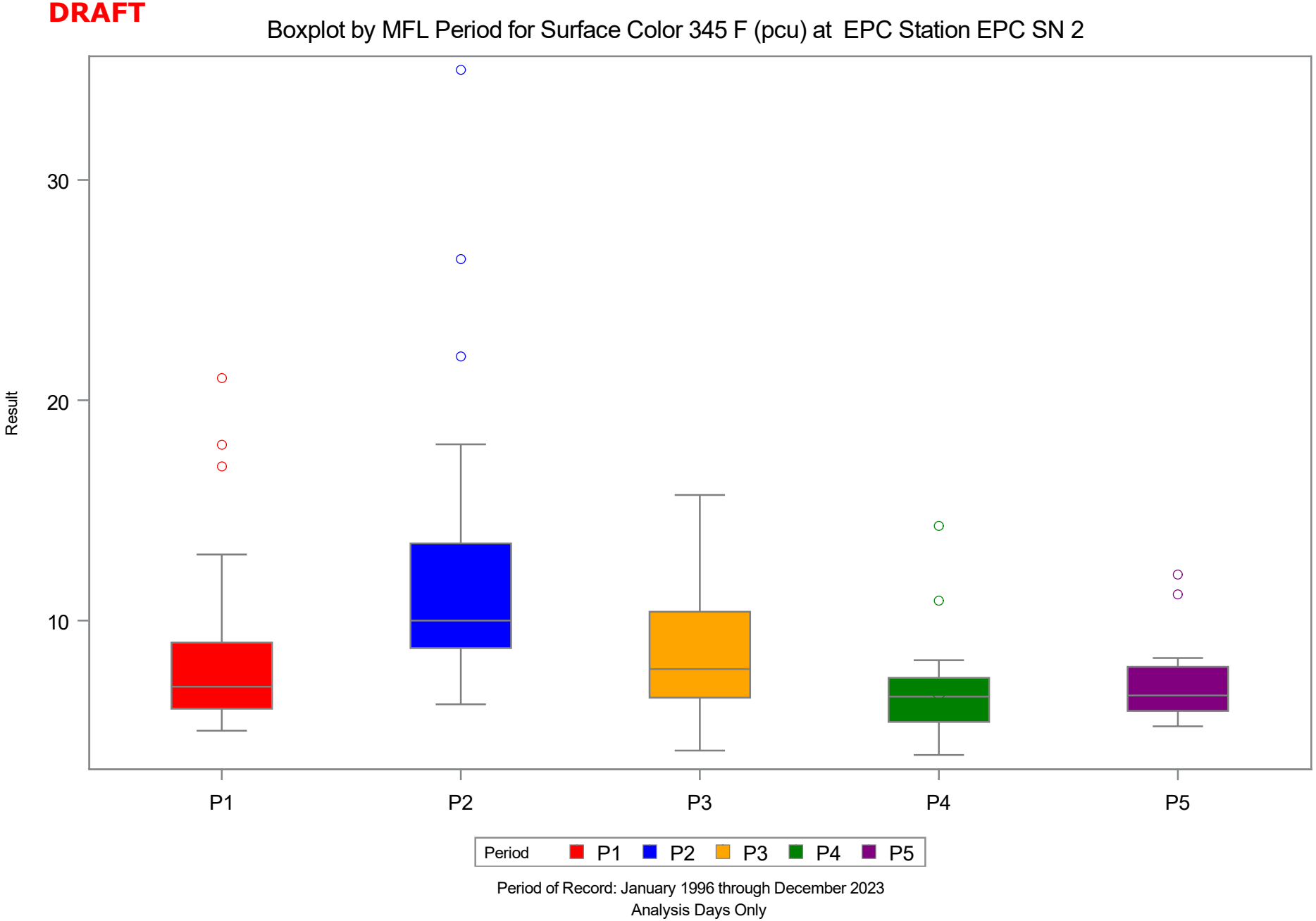
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 2

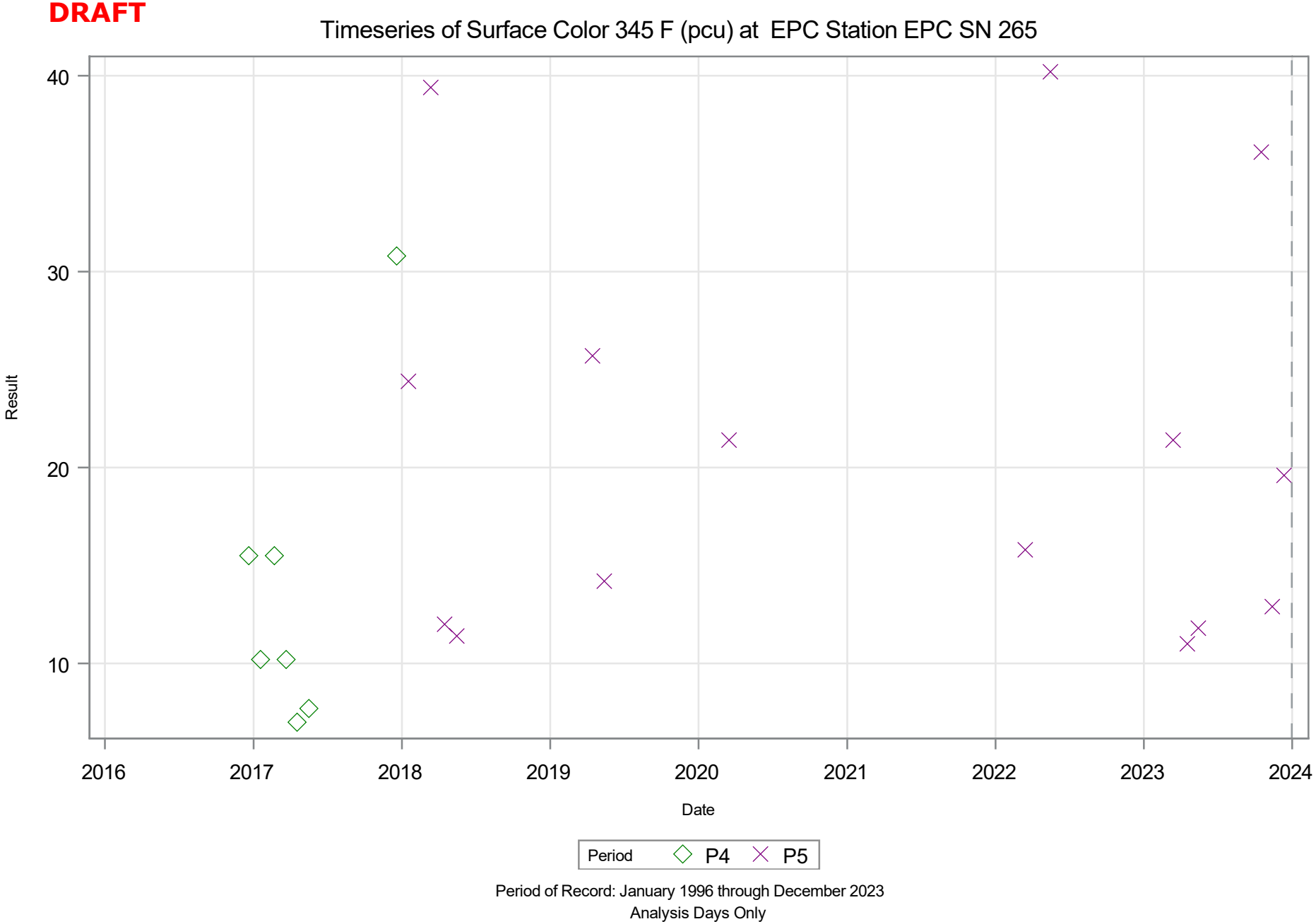
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	5.00	6.00	8.18	7.00	9.00	21.00
P2	44	6.20	8.75	11.73	10.00	13.50	35.00
P3	27	4.10	6.50	8.43	7.80	10.40	15.70
P4	22	3.90	5.40	6.75	6.55	7.40	14.30
P5	15	5.20	5.90	7.21	6.60	7.90	12.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

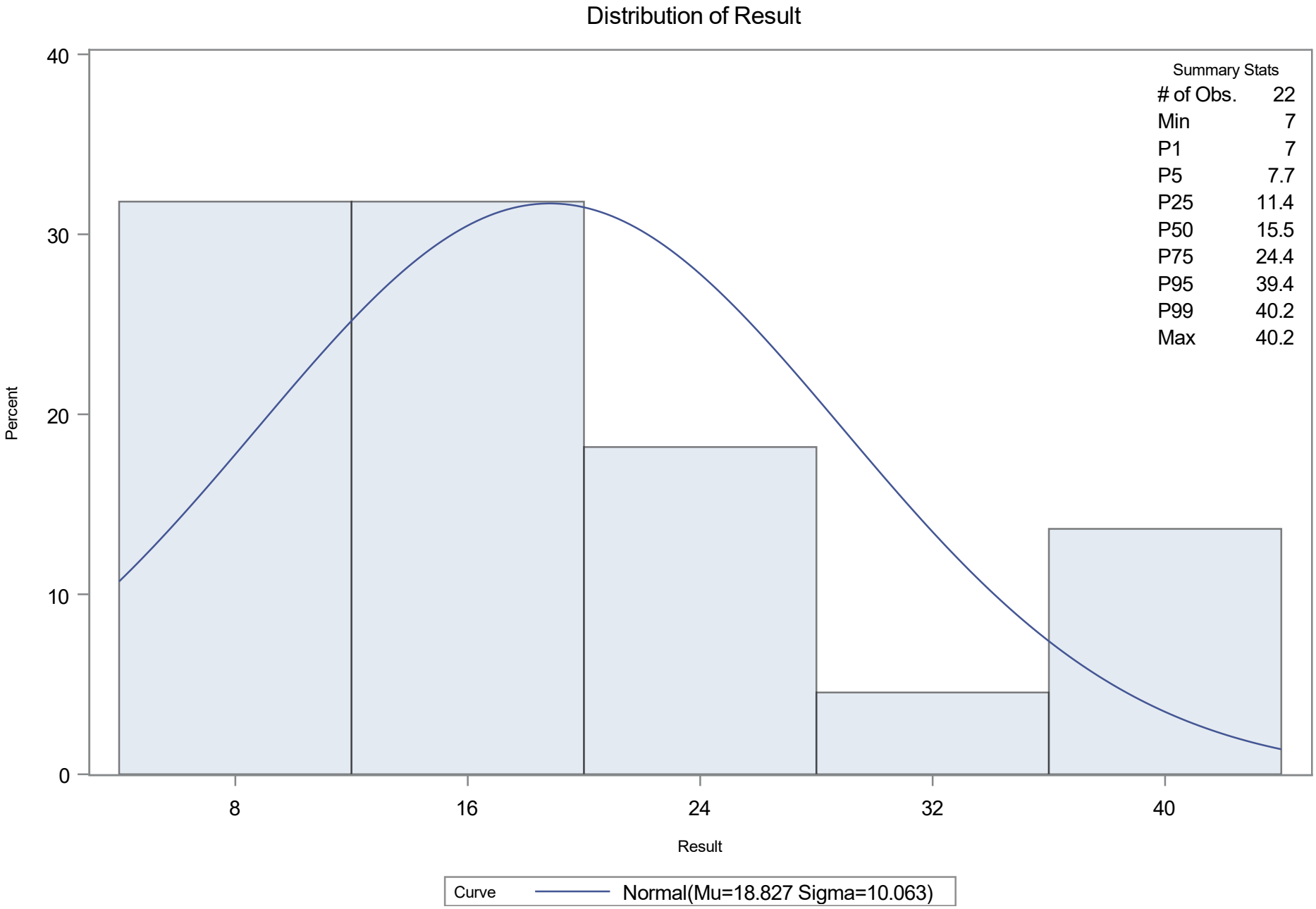

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 2
Result
30
20
10
P1
P2
P3
P4
P5
Period P1 P2 P3 P4 P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 265
Result
40
30
20
10
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.82727
Std Dev	Sigma	10.06333

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20913402	**Pr > D**	0.013
Cramer-von Mises	**W-Sq**	0.16405007	**Pr > W-Sq**	0.015
Anderson-Darling	**A-Sq**	1.00475576	**Pr > A-Sq**	0.010

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.00000	-4.58354
5.0	7.70000	2.27456
10.0	10.20000	5.93059
25.0	11.40000	12.03966
50.0	15.50000	18.82727
75.0	24.40000	25.61489
90.0	36.10000	31.72395
95.0	39.40000	35.37998
99.0	40.20000	42.23808

Period of Record: January 1996 through December 2023
Analysis Days Only

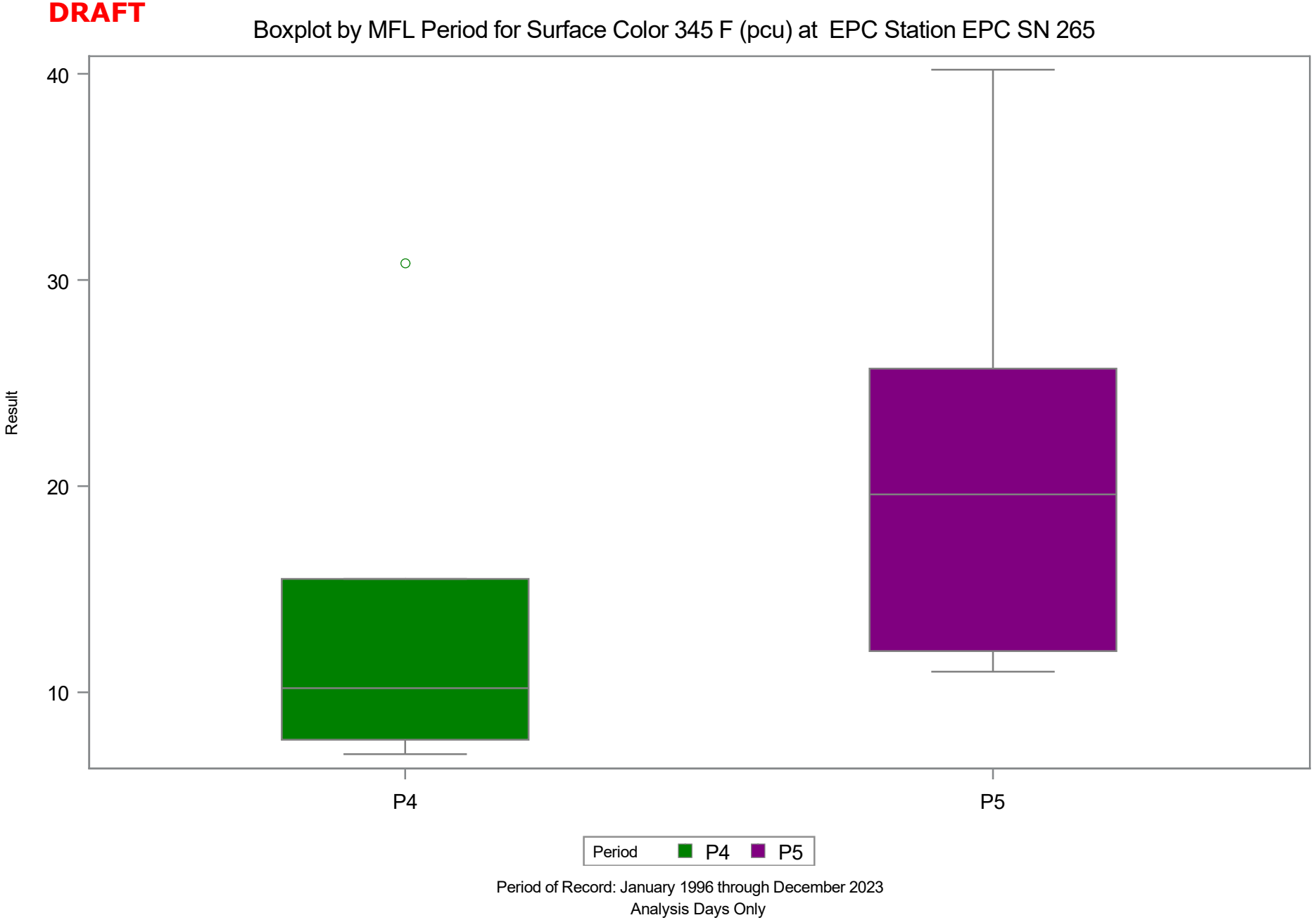
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 265

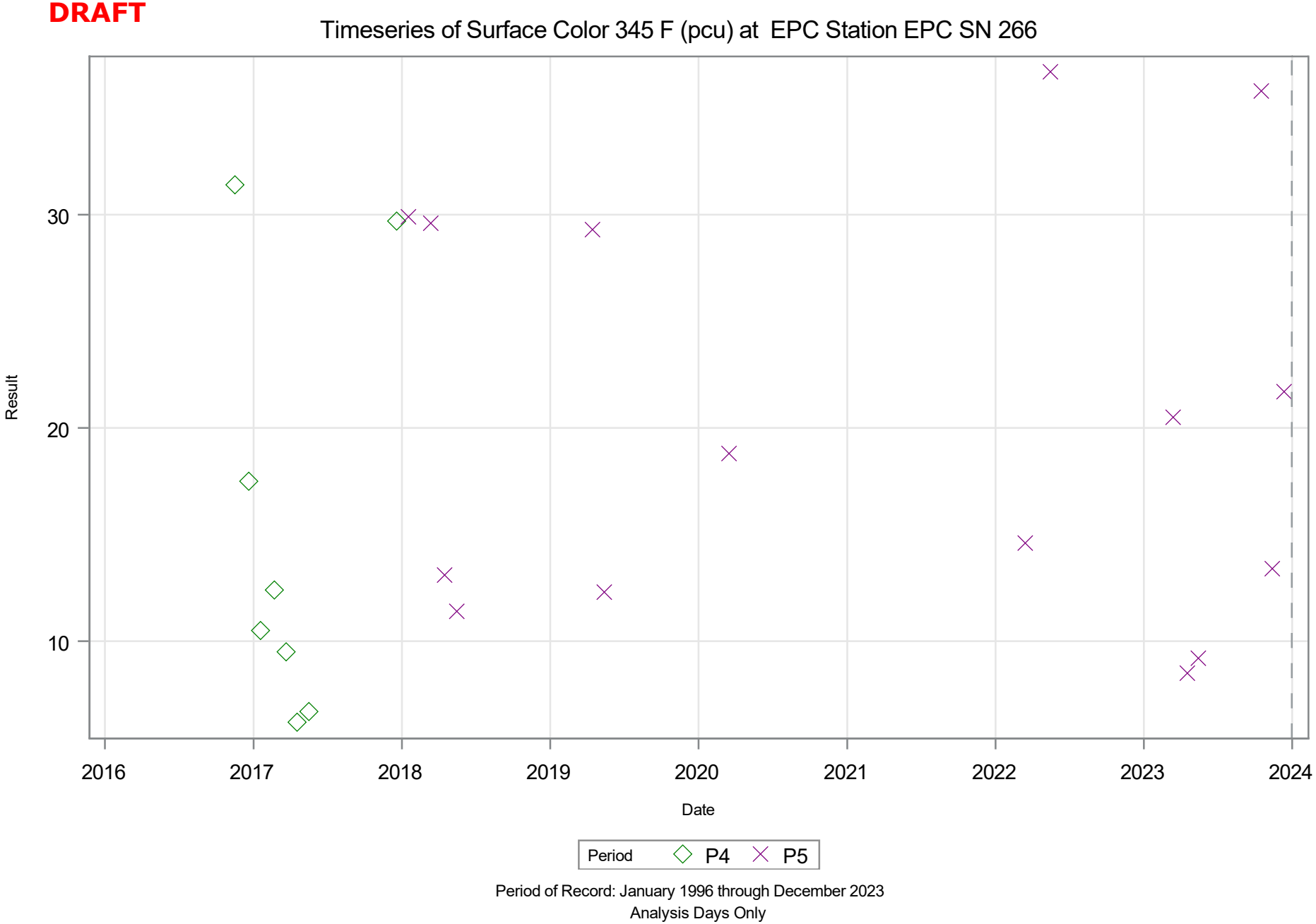
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	7	7.00	7.70	13.84	10.20	15.50	30.80
P5	15	11.00	12.00	21.15	19.60	25.70	40.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

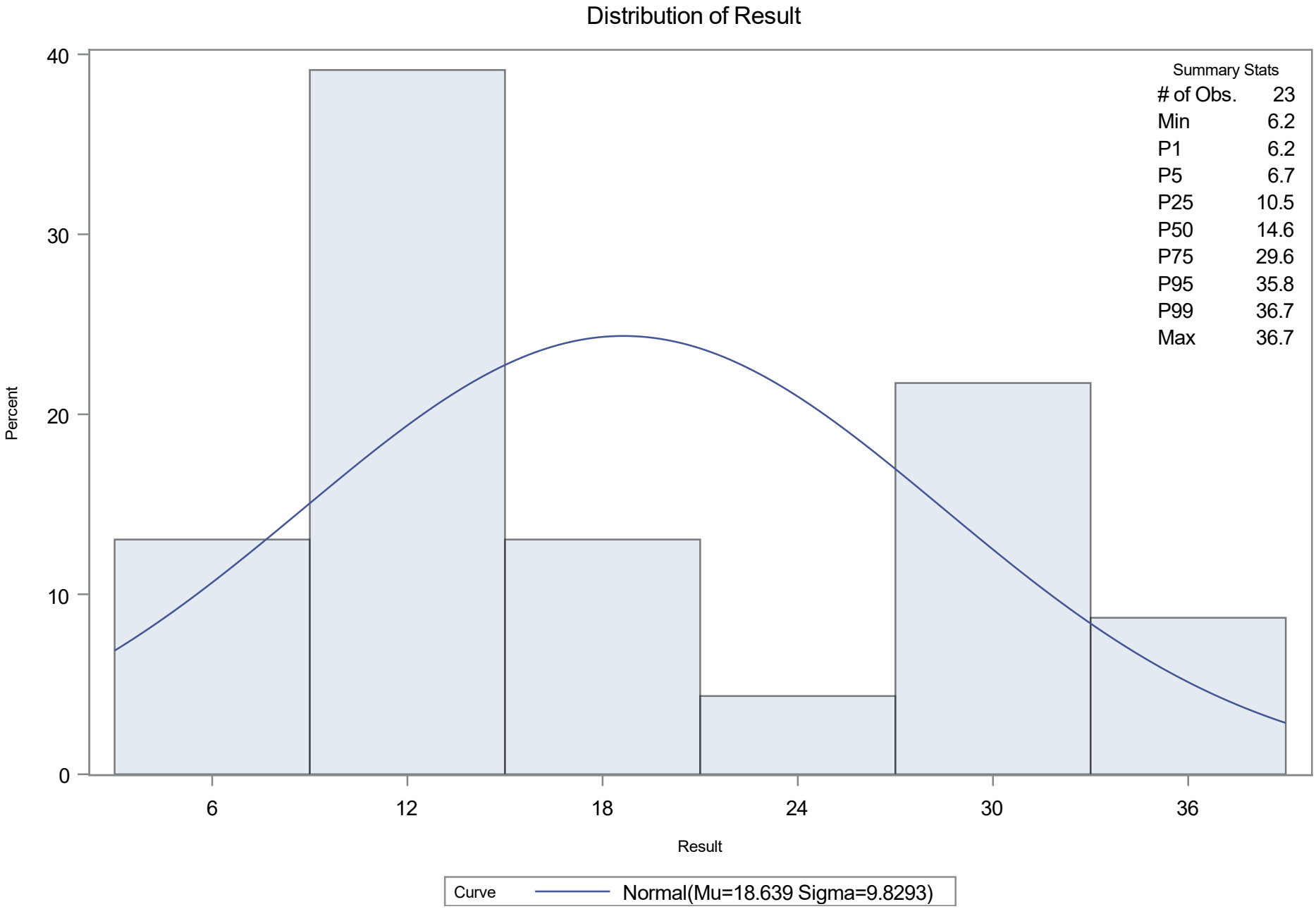

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 265
Result
40
30
20
10
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Color 345 F (pcu) at EPC Station EPC SN 266
Result
30
20
10
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.63913
Std Dev	Sigma	9.829304

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18124800	**Pr > D**	0.048
Cramer-von Mises	**W-Sq**	0.15957545	**Pr > W-Sq**	0.017
Anderson-Darling	**A-Sq**	0.94160277	**Pr > A-Sq**	0.015

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.20000	-4.22725
5.0	6.70000	2.47136
10.0	8.50000	6.04237
25.0	10.50000	12.00937
50.0	14.60000	18.63913
75.0	29.60000	25.26890
90.0	31.40000	31.23589
95.0	35.80000	34.80690
99.0	36.70000	41.50551

Period of Record: January 1996 through December 2023
Analysis Days Only

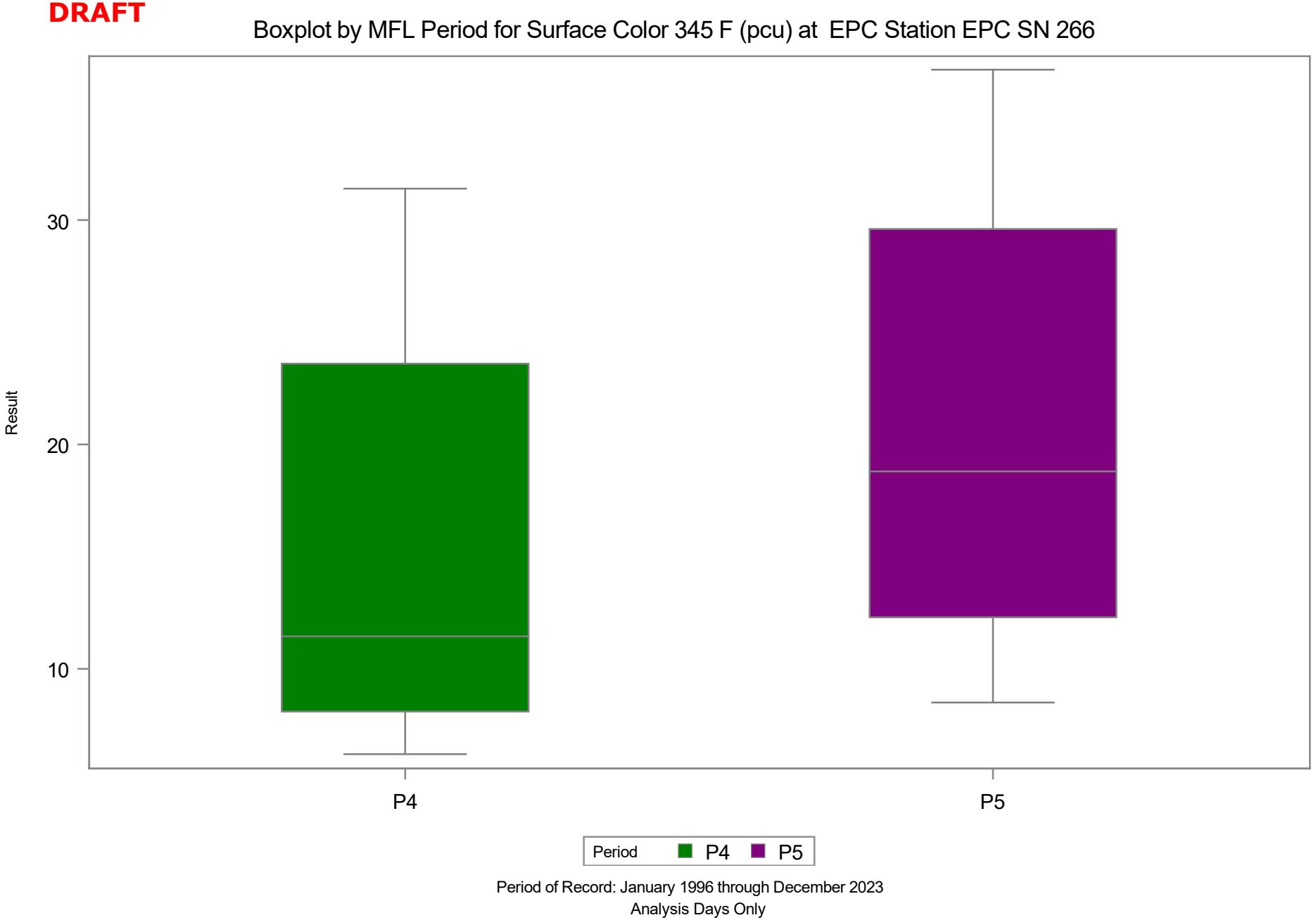
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 266

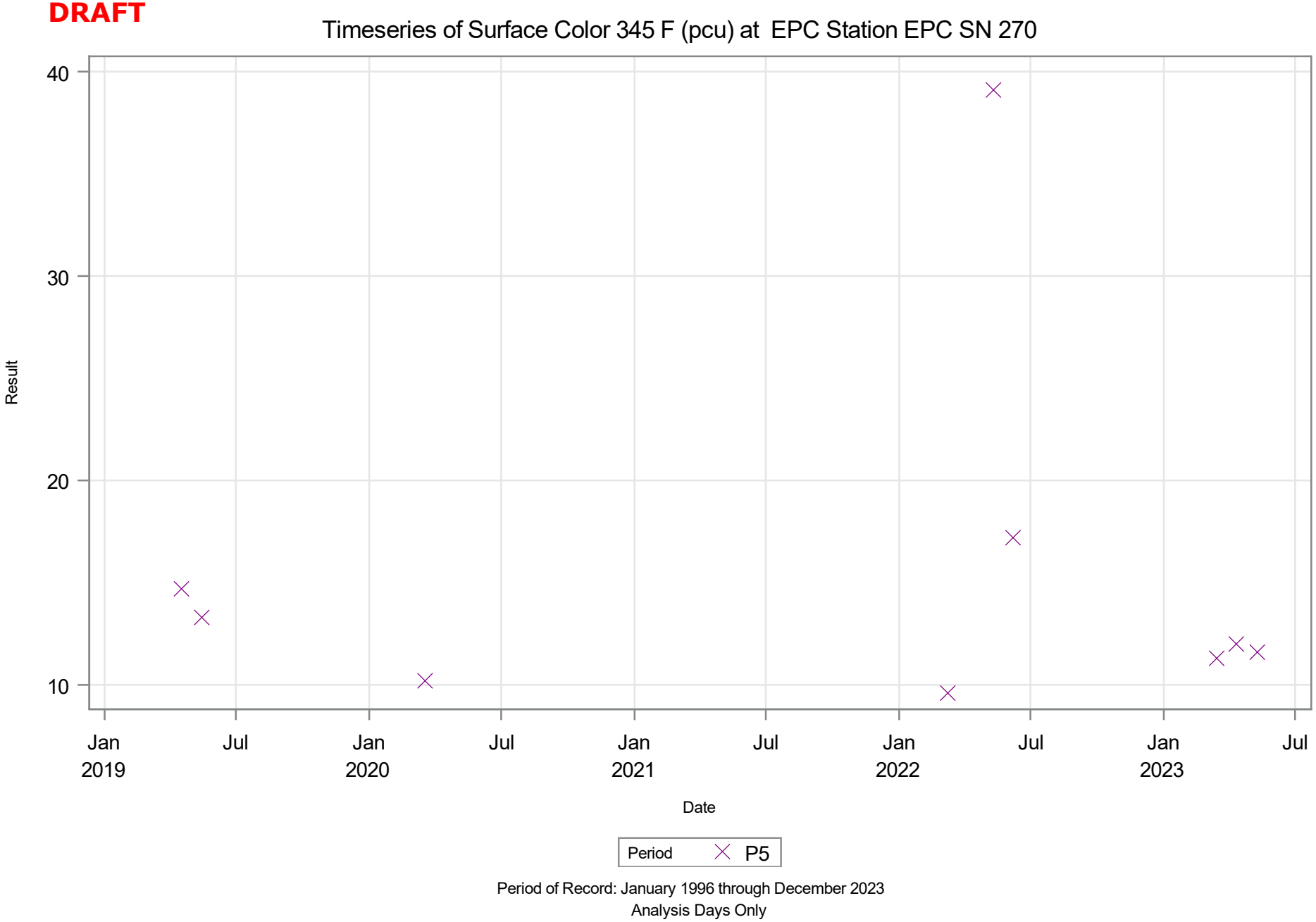
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	6.20	8.10	15.49	11.45	23.60	31.40
P5	15	8.50	12.30	20.32	18.80	29.60	36.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 266
Result
30
20
10
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

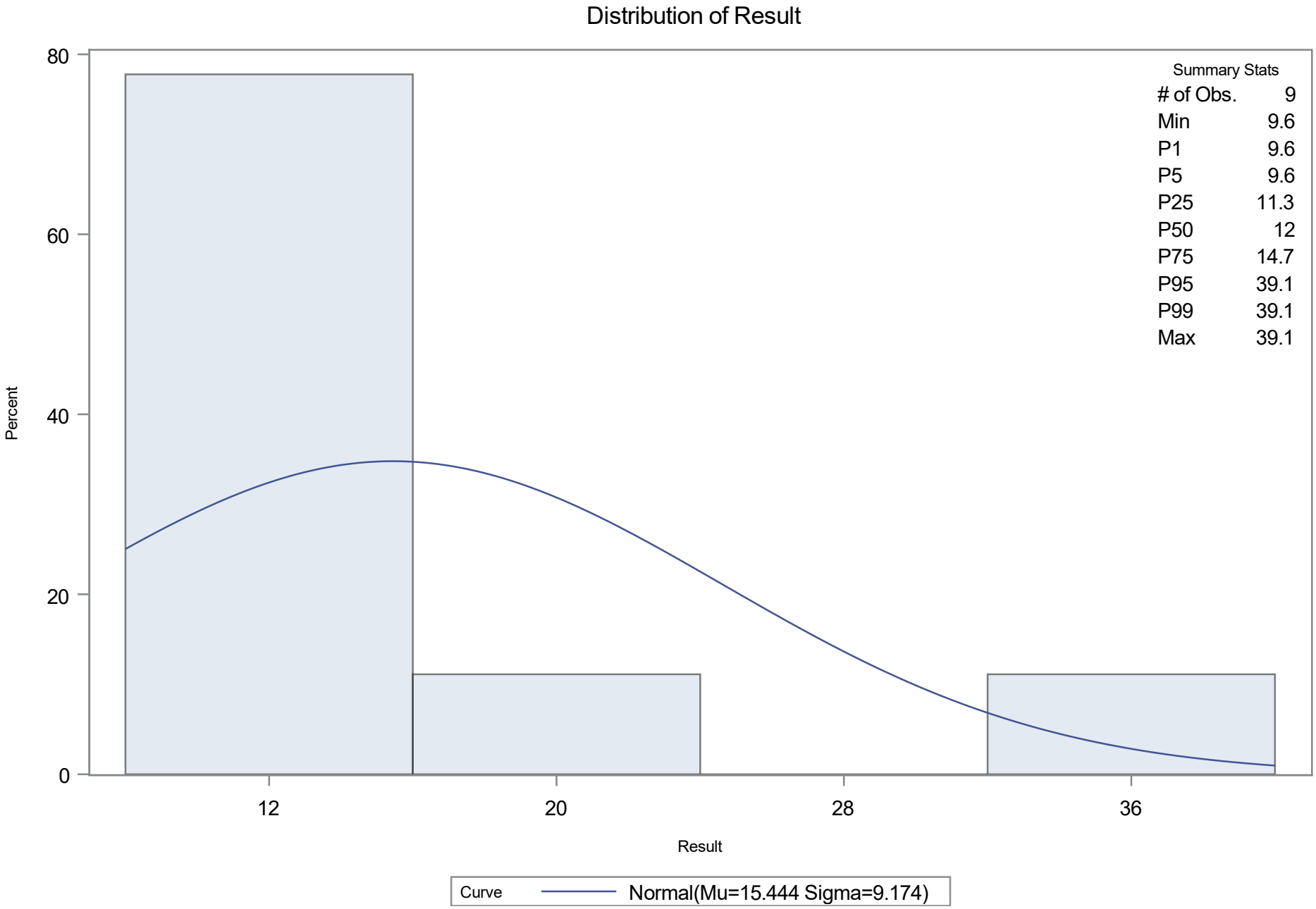
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Color 345 F (pcu) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.44444
Std Dev	Sigma	9.174027

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31301008	**Pr > D**	0.012
Cramer-von Mises	**W-Sq**	0.26702043	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.47205041	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	9.60000	-5.89753
5.0	9.60000	0.35451
10.0	9.60000	3.68746
25.0	11.30000	9.25666
50.0	12.00000	15.44444
75.0	14.70000	21.63223
90.0	39.10000	27.20143
95.0	39.10000	30.53438
99.0	39.10000	36.78642

Period of Record: January 1996 through December 2023
Analysis Days Only

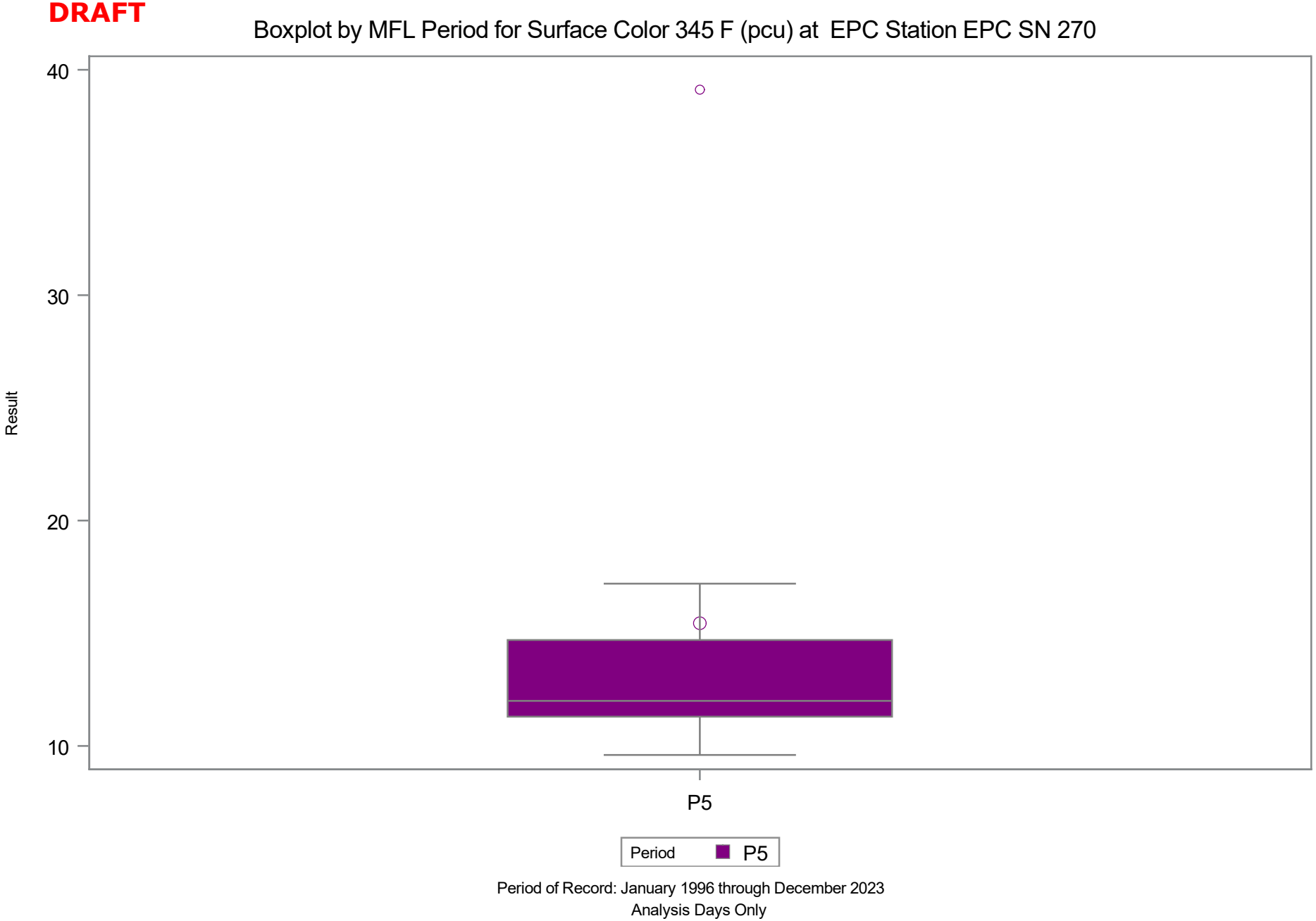
DRAFT

Distributional Statistics by Period for Surface Color 345 F (pcu) at EPC Station EPC SN 270

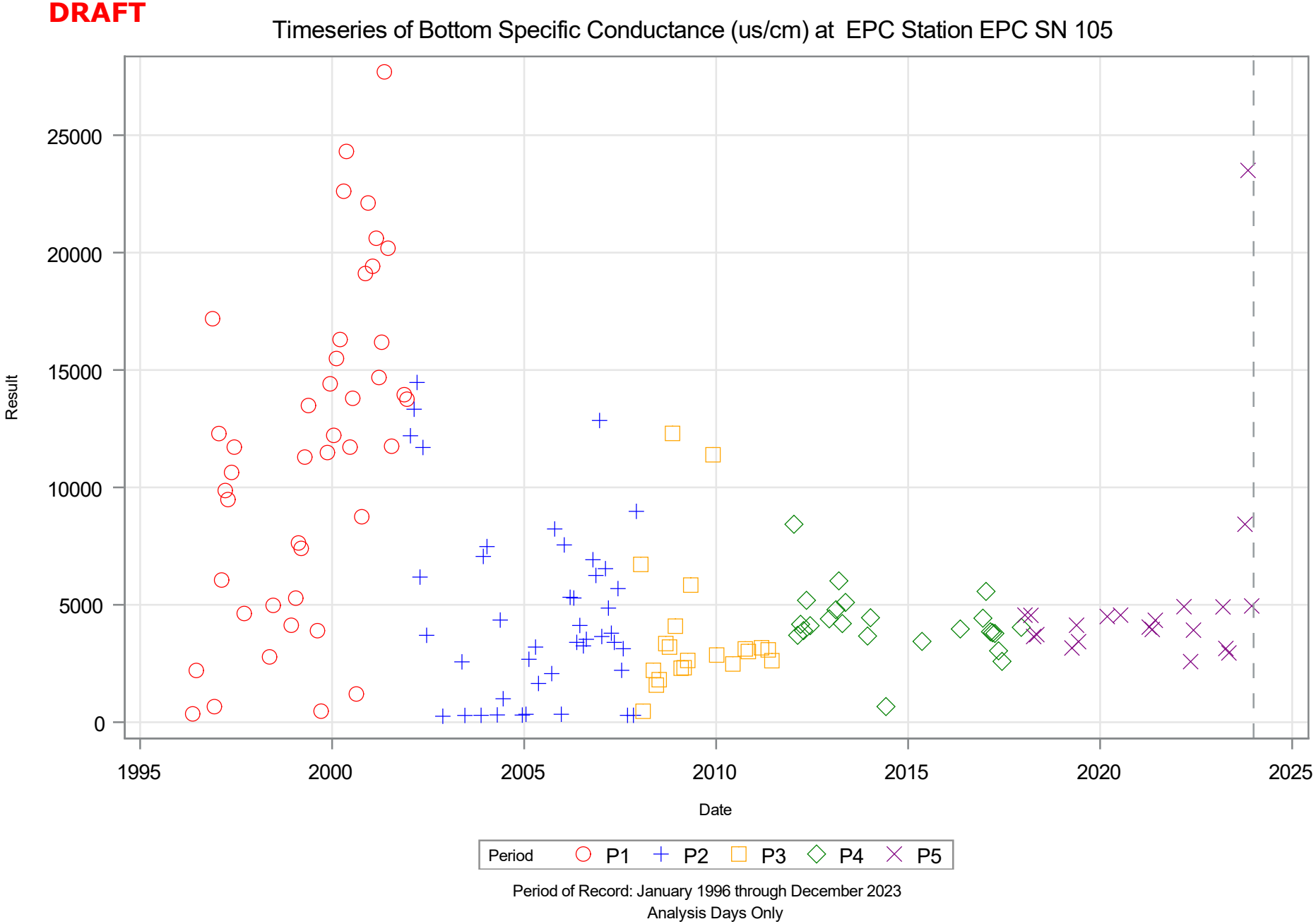
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	9.60	11.30	15.44	12.00	14.70	39.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

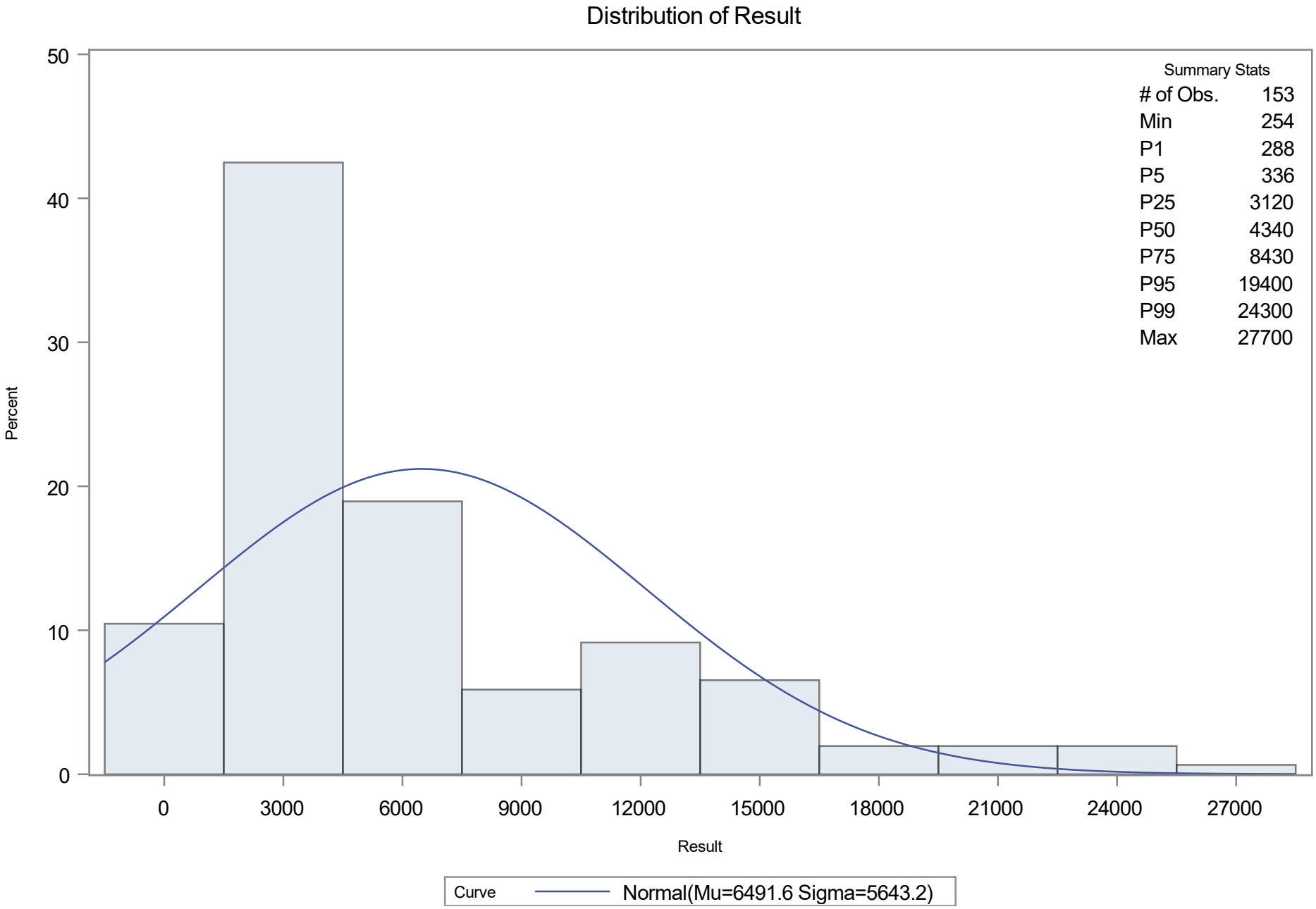

Boxplot by MFL Period for Surface Color 345 F (pcu) at EPC Station EPC SN 270
Result
40
30
20
10
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 105
Result
25000
20000
15000
10000
5000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6491.634
Std Dev	Sigma	5643.249

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21622288	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.74929059	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.15718583	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	288.000	-6636.526
5.0	336.000	-2790.685
10.0	1200.000	-740.481
25.0	3120.000	2685.320
50.0	4340.000	6491.634
75.0	8430.000	10297.948
90.0	14400.000	13723.749
95.0	19400.000	15773.952
99.0	24300.000	19619.794

Period of Record: January 1996 through December 2023
Analysis Days Only

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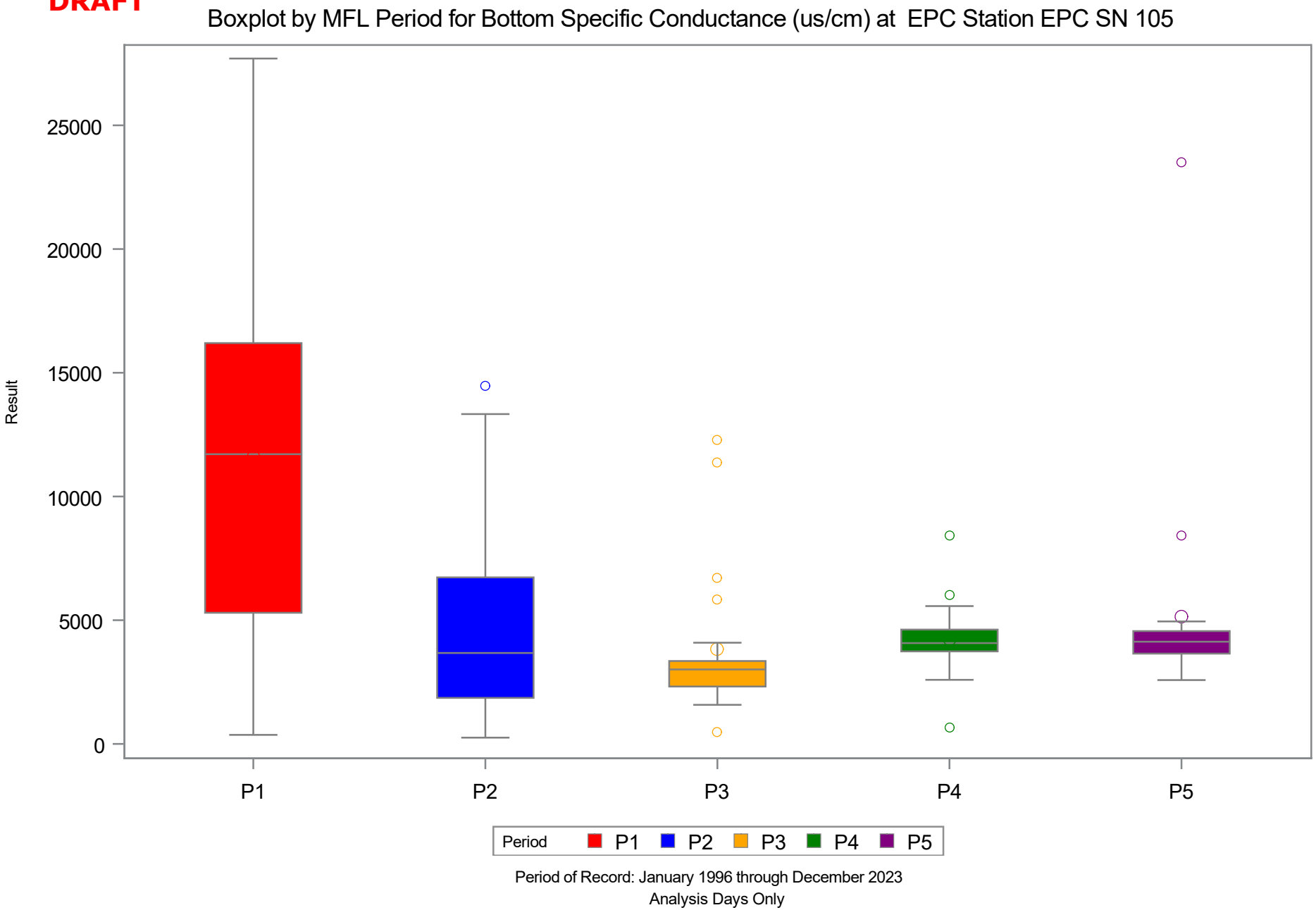
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 105

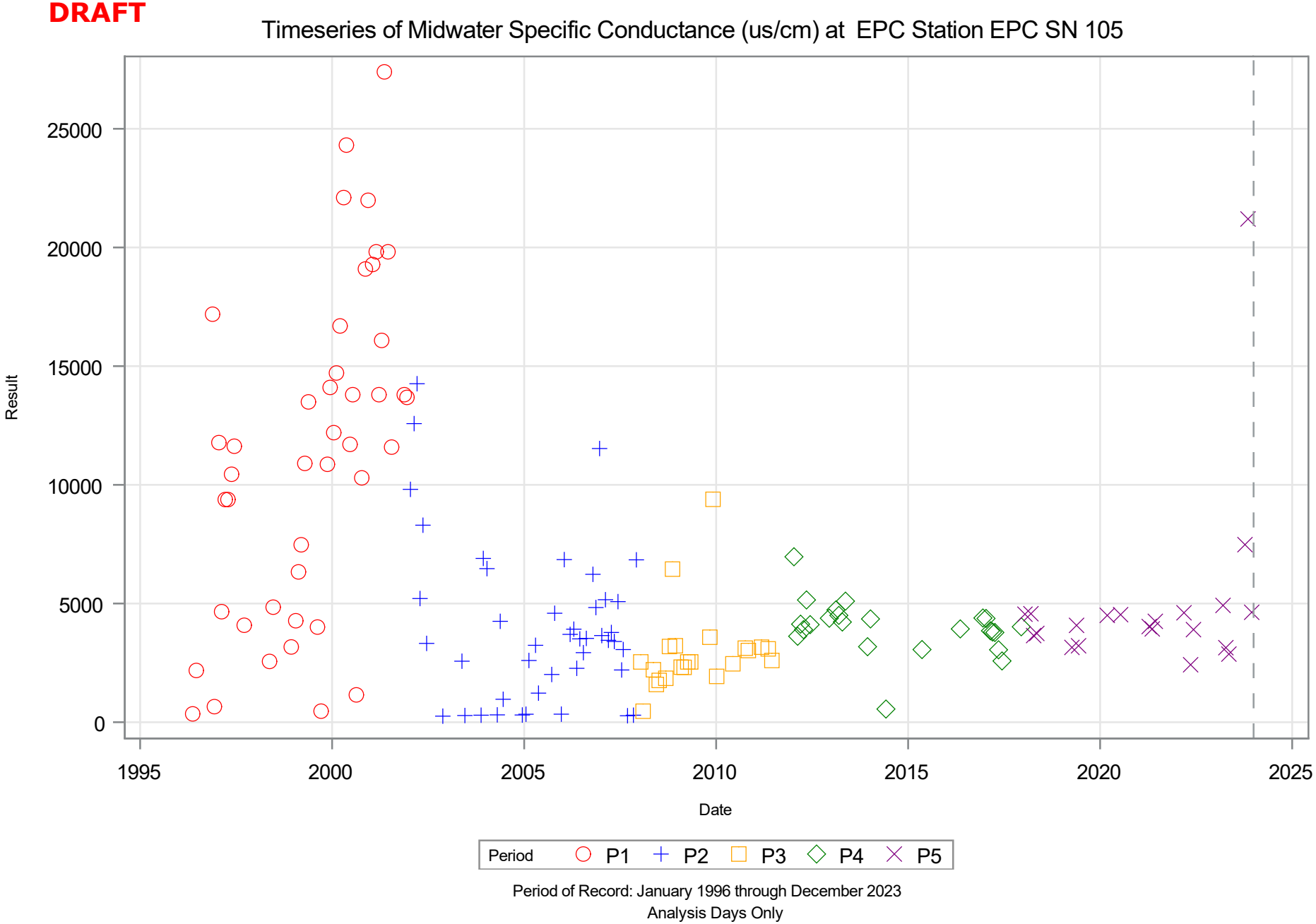
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	365.00	5300.00	11584.65	11710.00	16200.00	27700.00
P2	44	254.00	1860.00	4666.09	3675.00	6730.00	14470.00
P3	21	466.00	2320.00	3835.52	3010.00	3350.00	12300.00
P4	24	666.00	3740.00	4221.50	4075.00	4620.00	8430.00
P5	21	2580.00	3650.00	5138.57	4130.00	4560.00	23500.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

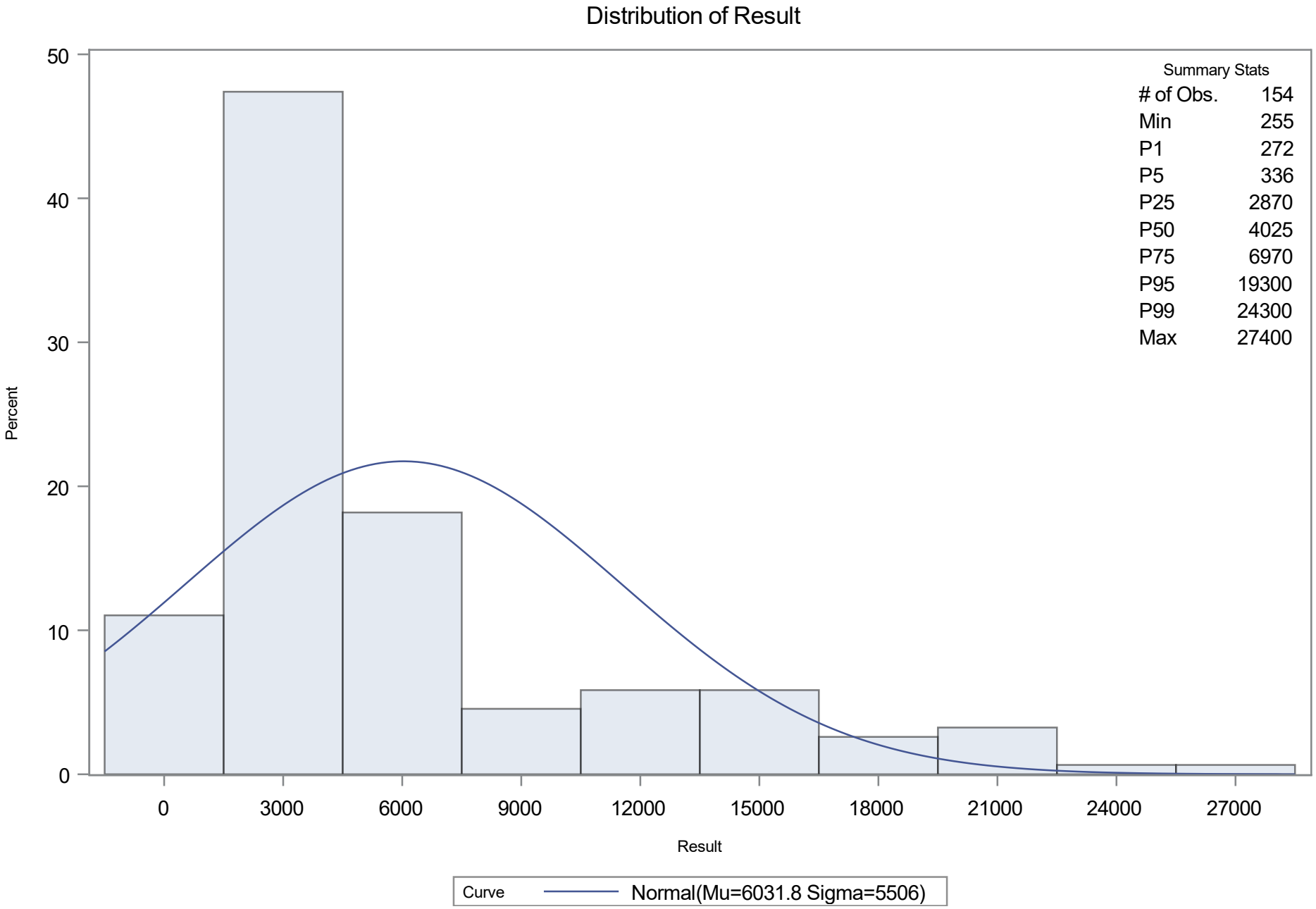

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 105
Result
25000
20000
15000
10000
5000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 105
Result
25000
20000
15000
10000
5000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6031.812
Std Dev	Sigma	5506.023

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2606232	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.2343205	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.5054309	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	272.000	-6777.11
5.0	336.000	-3024.79
10.0	1160.000	-1024.44
25.0	2870.000	2318.06
50.0	4025.000	6031.81
75.0	6970.000	9745.57
90.0	13800.000	13088.06
95.0	19300.000	15088.41
99.0	24300.000	18840.74

Period of Record: January 1996 through December 2023
Analysis Days Only

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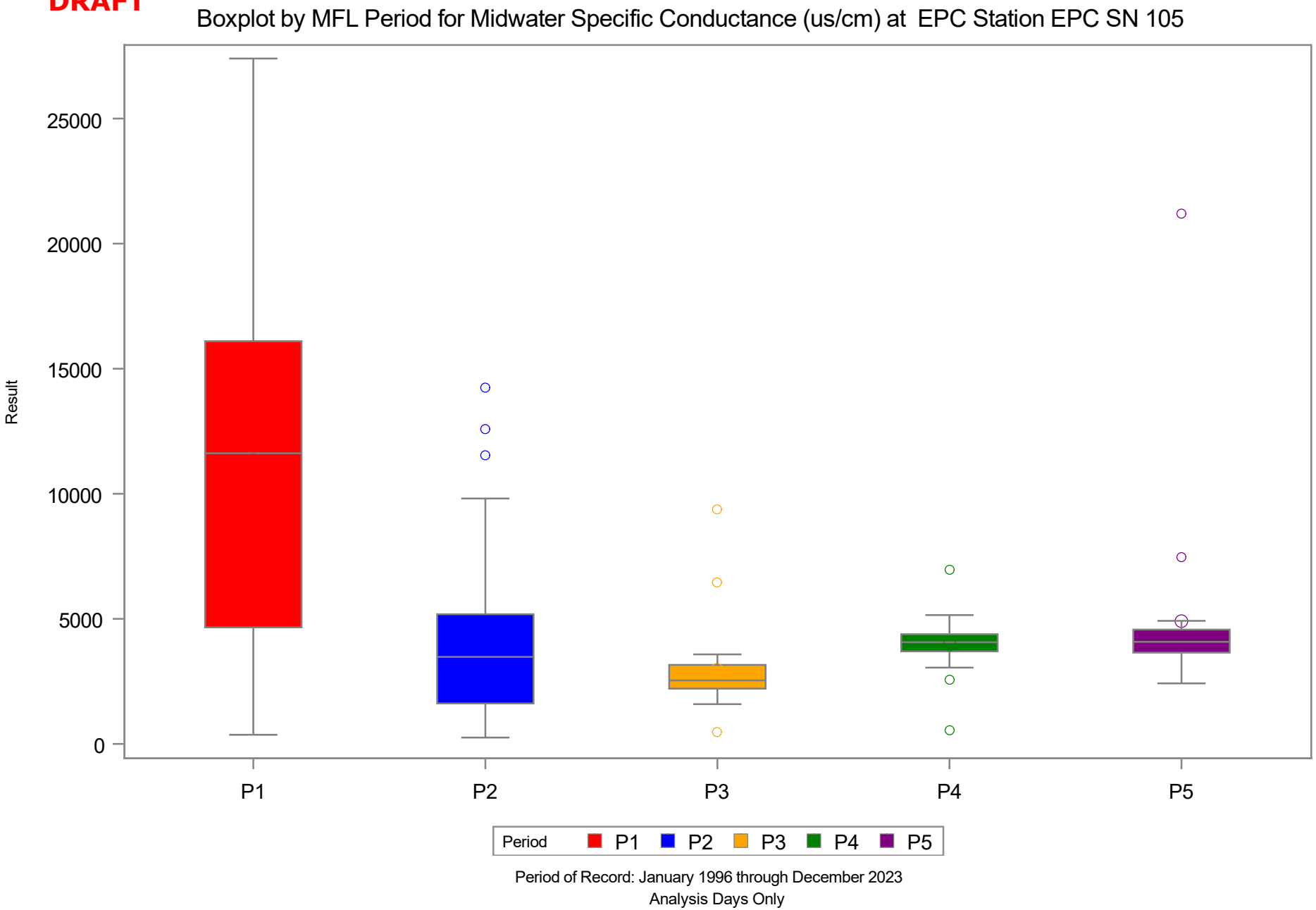
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 105

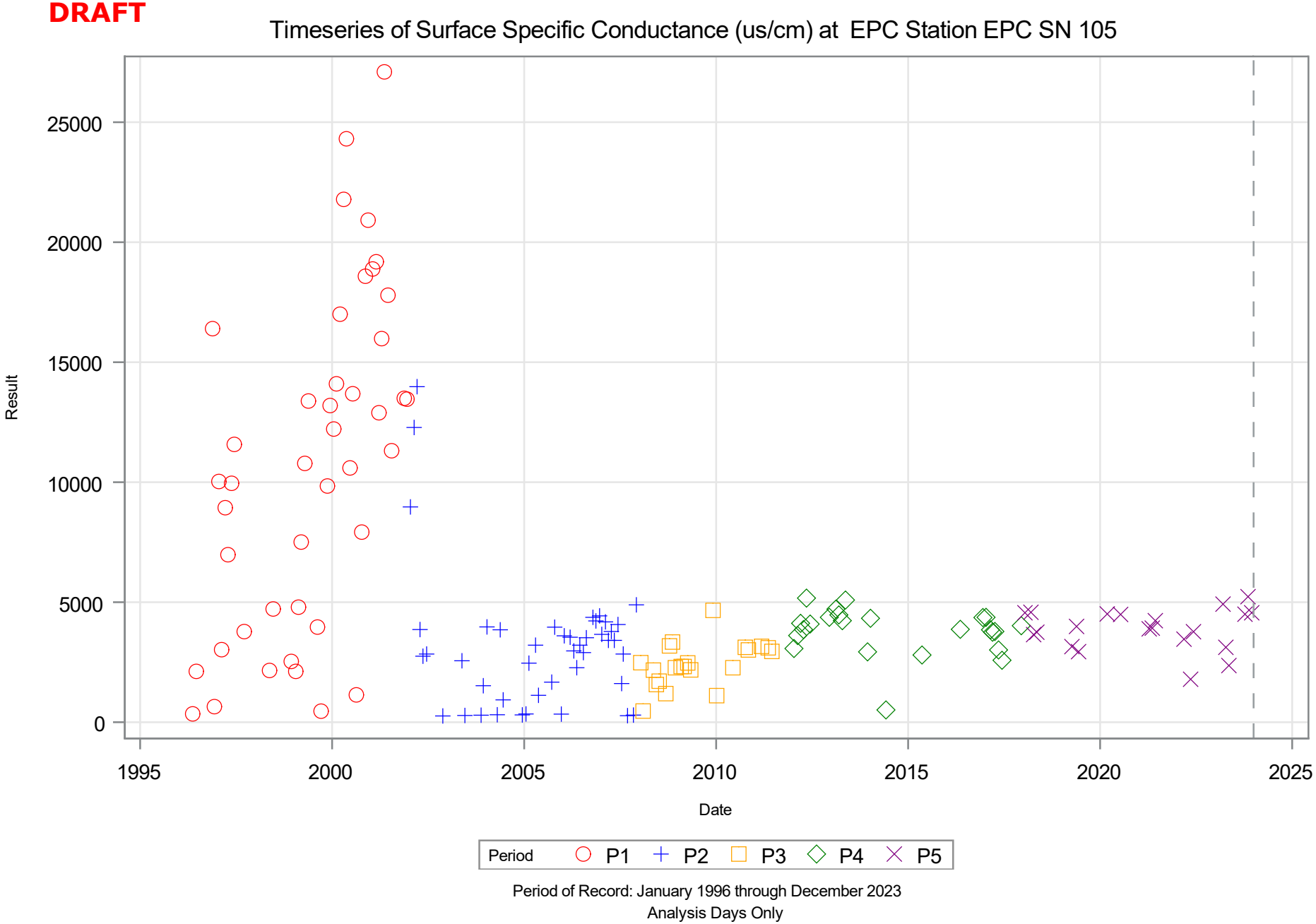
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	366.00	4660.00	11338.72	11620.00	16100.00	27400.00
P2	44	255.00	1617.50	4020.61	3480.00	5185.00	14260.00
P3	22	463.00	2210.00	2969.68	2540.00	3160.00	9390.00
P4	24	554.00	3700.00	3988.50	4065.00	4385.00	6970.00
P5	21	2420.00	3650.00	4922.38	4080.00	4570.00	21200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

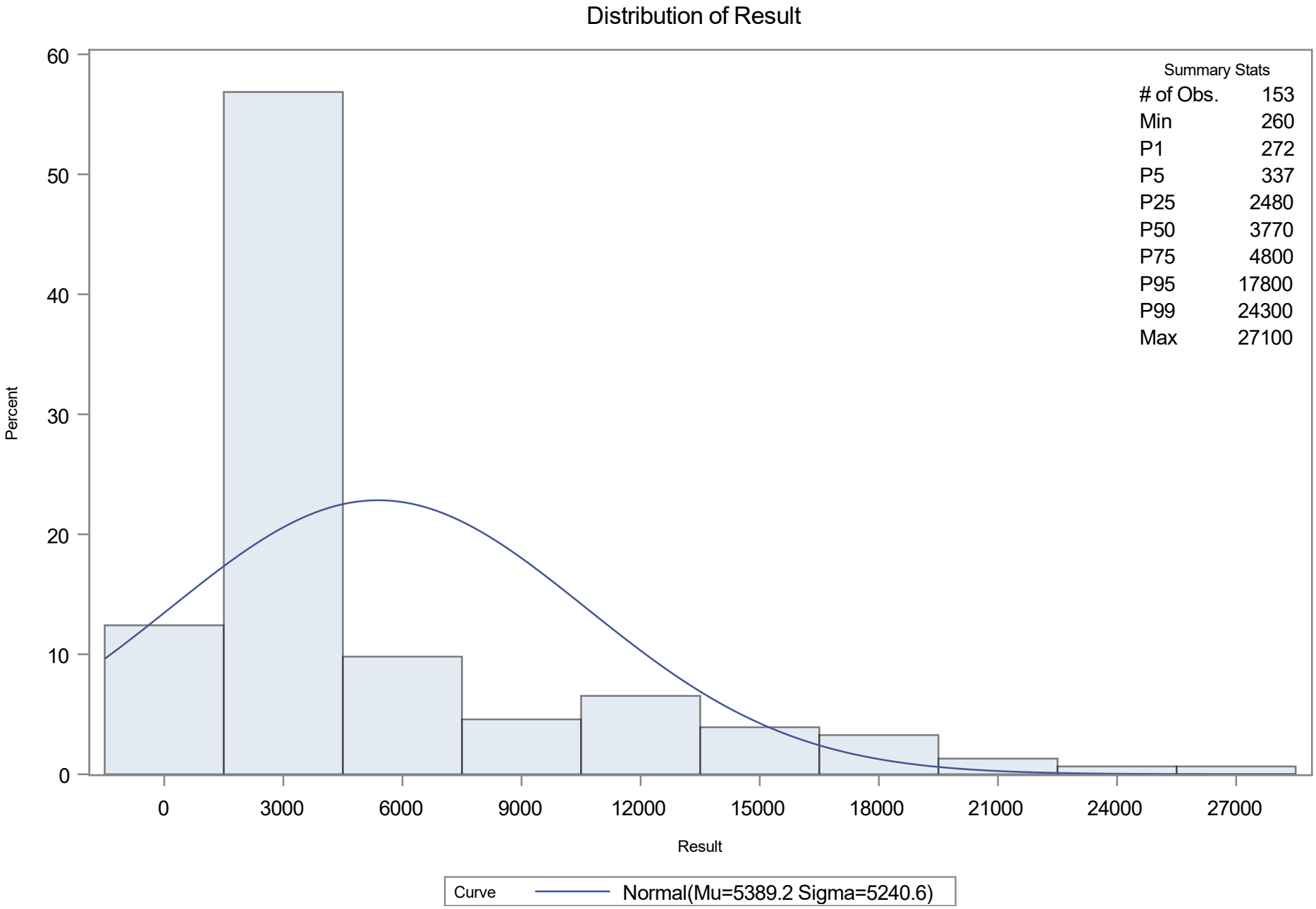

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 105
Result
25000
20000
15000
10000
5000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 105
Result
25000
20000
15000
10000
5000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5389.222
Std Dev	Sigma	5240.582

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3003780	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.9197491	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.6185845	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	272.000	-6802.20
5.0	337.000	-3230.77
10.0	1107.000	-1326.85
25.0	2480.000	1854.50
50.0	3770.000	5389.22
75.0	4800.000	8923.94
90.0	13440.000	12105.30
95.0	17800.000	14009.21
99.0	24300.000	17580.64

Period of Record: January 1996 through December 2023
Analysis Days Only

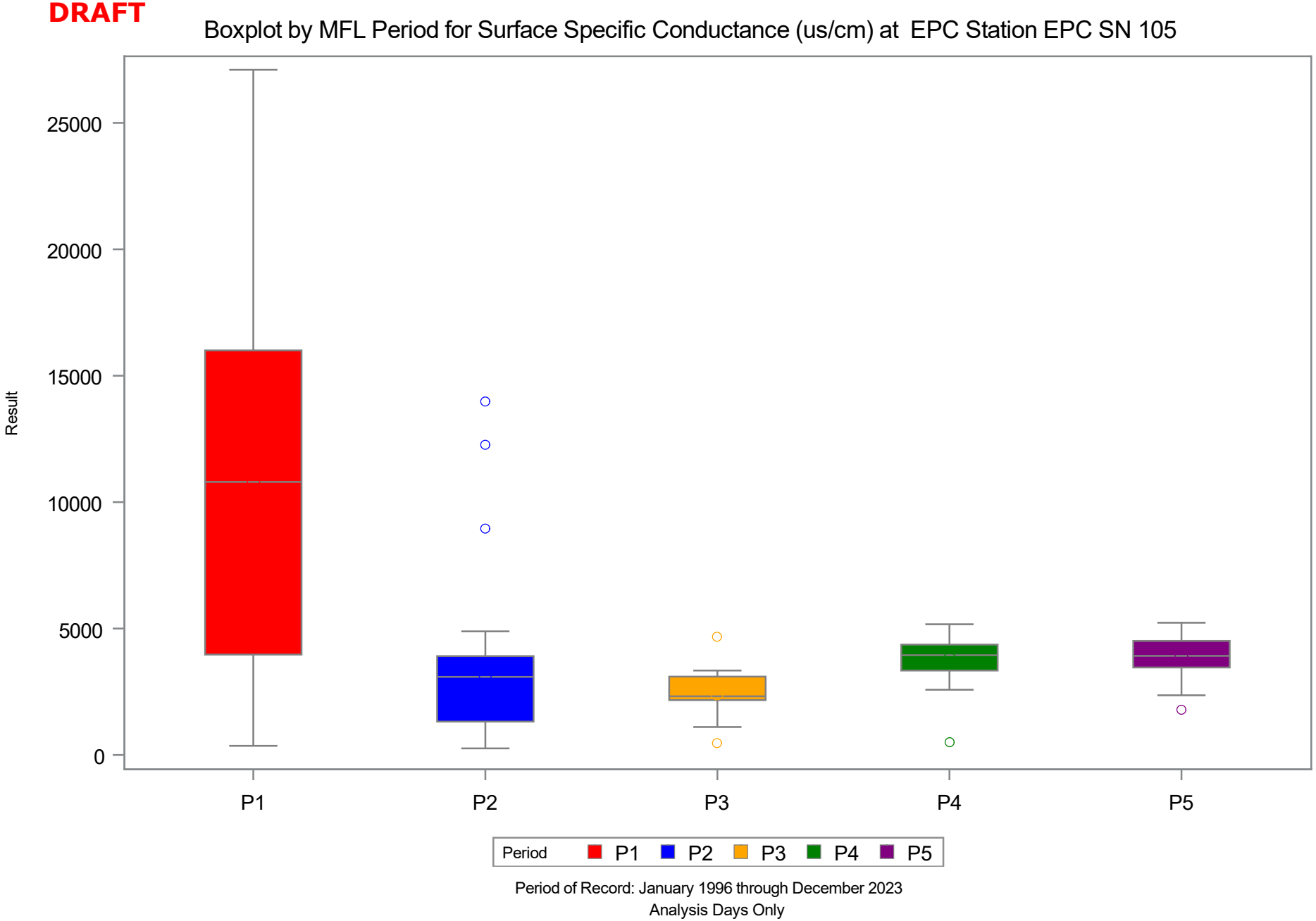
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 105

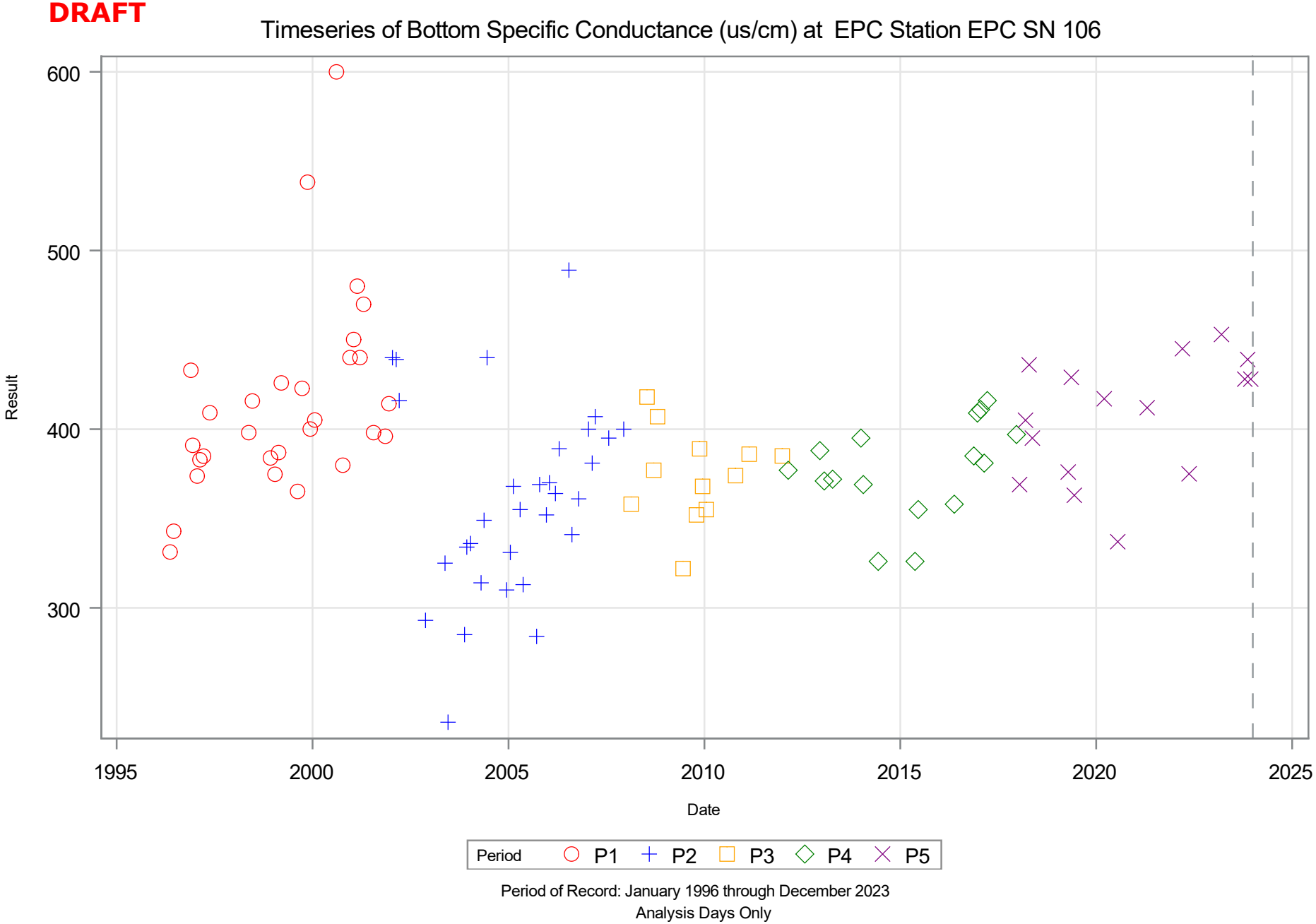
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	362.00	3970.00	10736.77	10800.00	16000.00	27100.00
P2	44	260.00	1320.00	3170.57	3090.00	3910.00	13980.00
P3	21	465.00	2170.00	2430.67	2320.00	3100.00	4660.00
P4	24	511.00	3340.00	3789.63	3945.00	4365.00	5170.00
P5	21	1790.00	3460.00	3874.76	3920.00	4510.00	5230.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

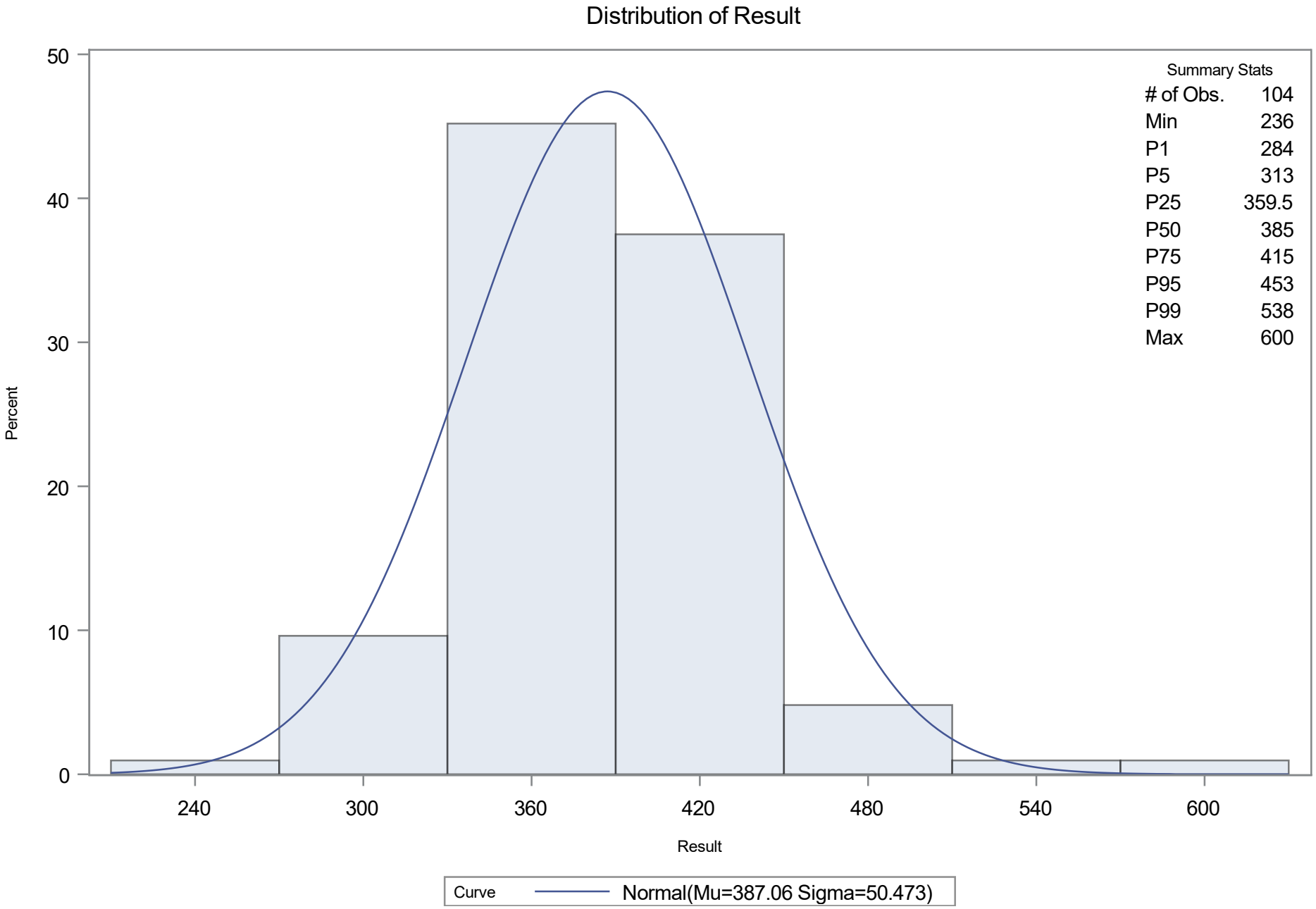

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 105
Result
25000
20000
15000
10000
5000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 106
Result
600
500
400
300
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	387.0577
Std Dev	Sigma	50.47288

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07018303	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.12459274	**Pr > W-Sq**	0.052
Anderson-Darling	**A-Sq**	0.84431594	**Pr > A-Sq**	0.030

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	284.000	269.640
5.0	313.000	304.037
10.0	326.000	322.374
25.0	359.500	353.014
50.0	385.000	387.058
75.0	415.000	421.101
90.0	440.000	451.741
95.0	453.000	470.078
99.0	538.000	504.475

Period of Record: January 1996 through December 2023
Analysis Days Only

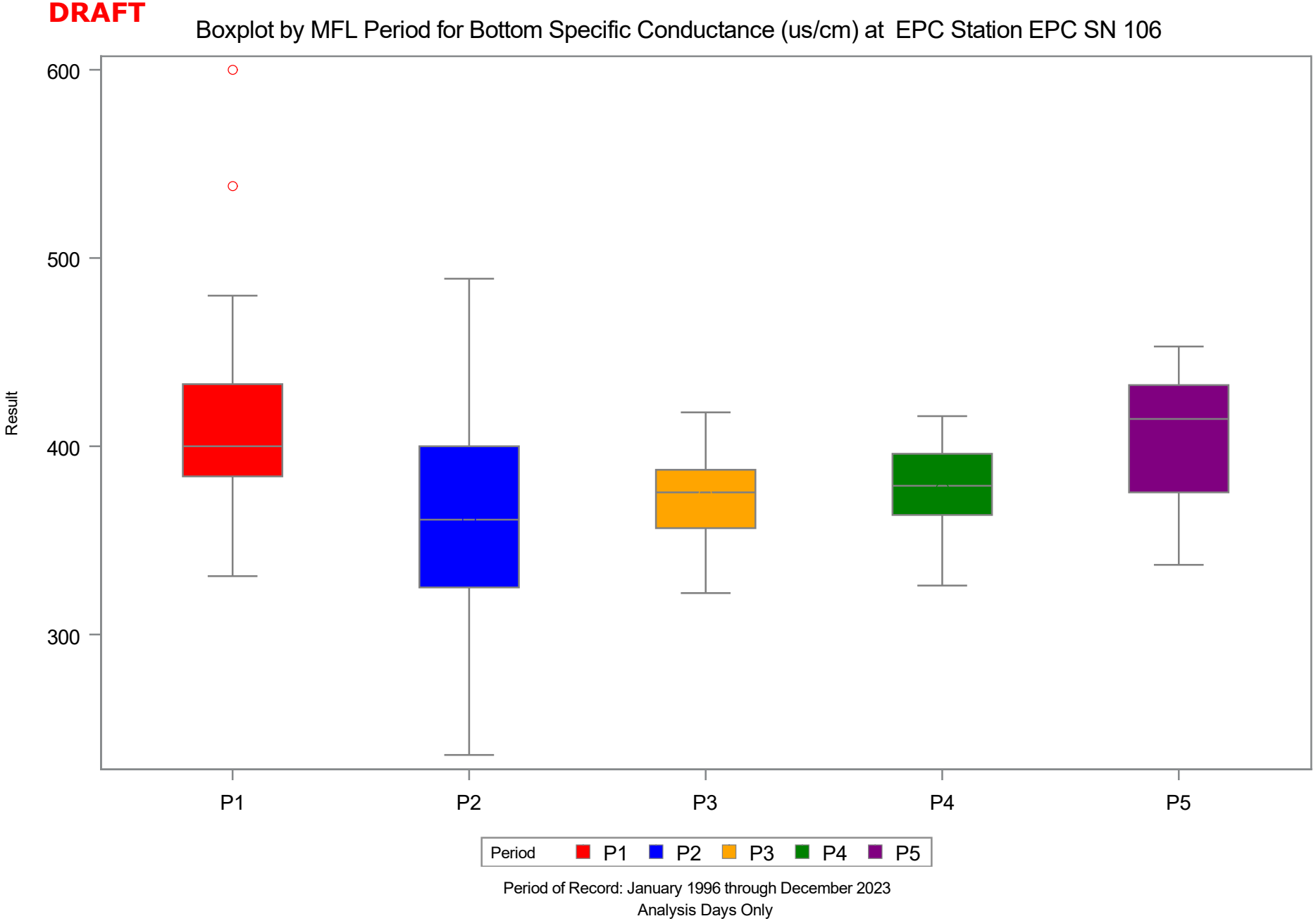
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 106

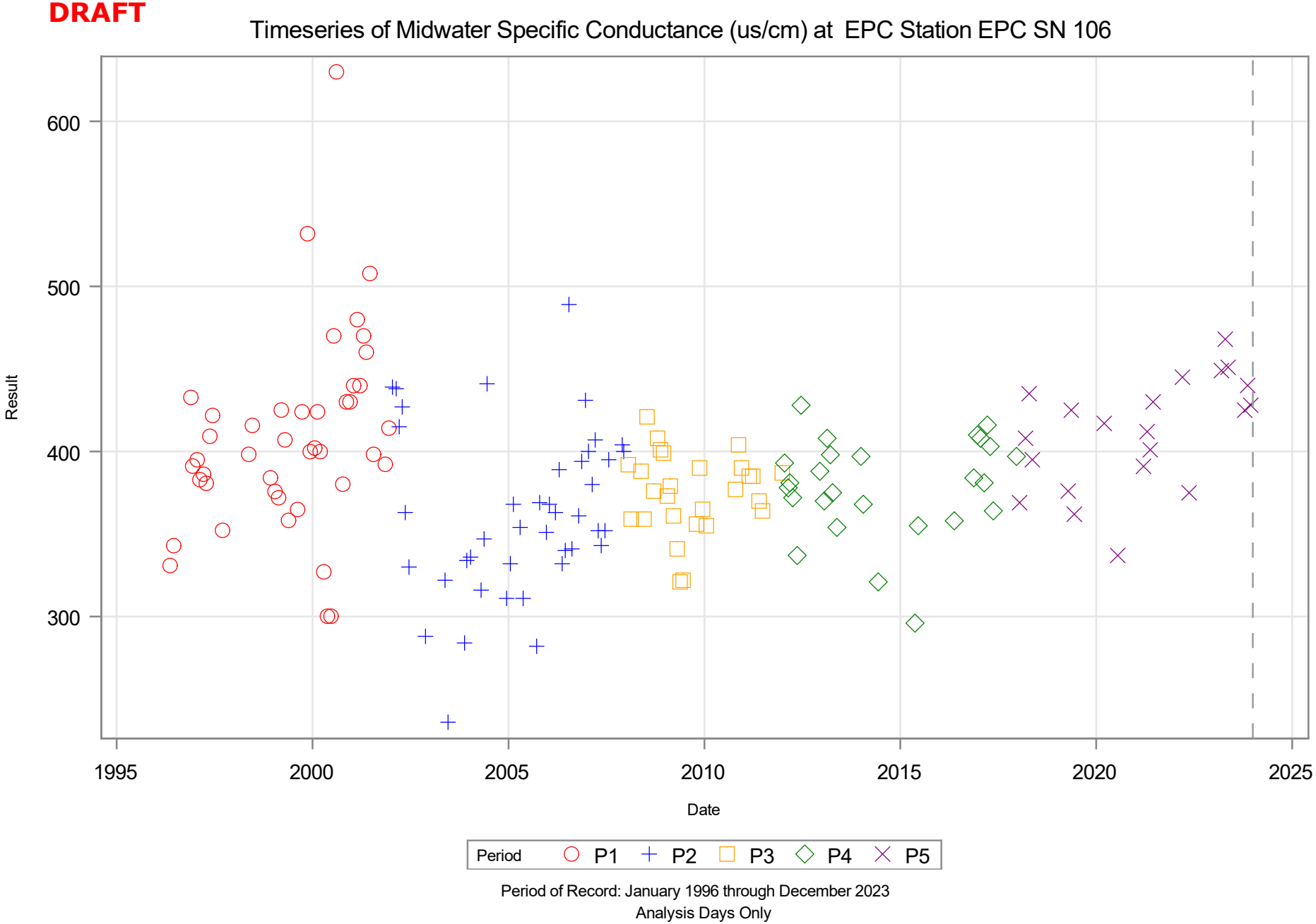
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	29	331.00	384.00	414.97	400.00	433.00	600.00
P2	31	236.00	325.00	360.84	361.00	400.00	489.00
P3	12	322.00	356.50	374.25	375.50	387.50	418.00
P4	16	326.00	363.50	377.25	379.00	396.00	416.00
P5	16	337.00	375.50	406.69	414.50	432.50	453.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

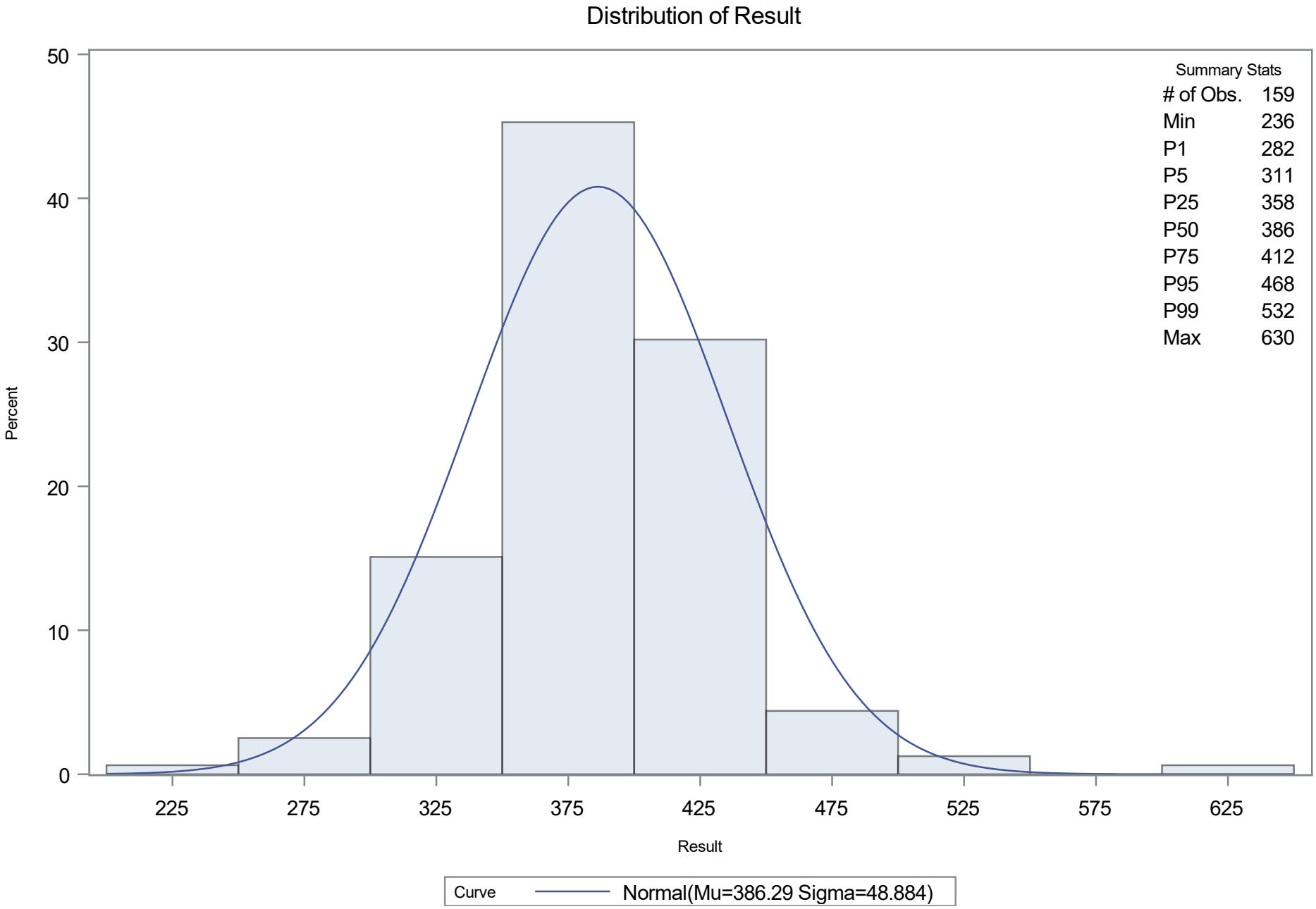

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 106
Result
600
500
400
300
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 106
Result
600
500
400
300
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	386.2893
Std Dev	Sigma	48.8843

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06432553	**Pr > D**	0.105
Cramer-von Mises	**W-Sq**	0.13963216	**Pr > W-Sq**	0.034
Anderson-Darling	**A-Sq**	0.94113565	**Pr > A-Sq**	0.018

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	282.000	272.567
5.0	311.000	305.882
10.0	330.000	323.642
25.0	358.000	353.317
50.0	386.000	386.289
75.0	412.000	419.261
90.0	440.000	448.937
95.0	468.000	466.697
99.0	532.000	500.011

Period of Record: January 1996 through December 2023
Analysis Days Only

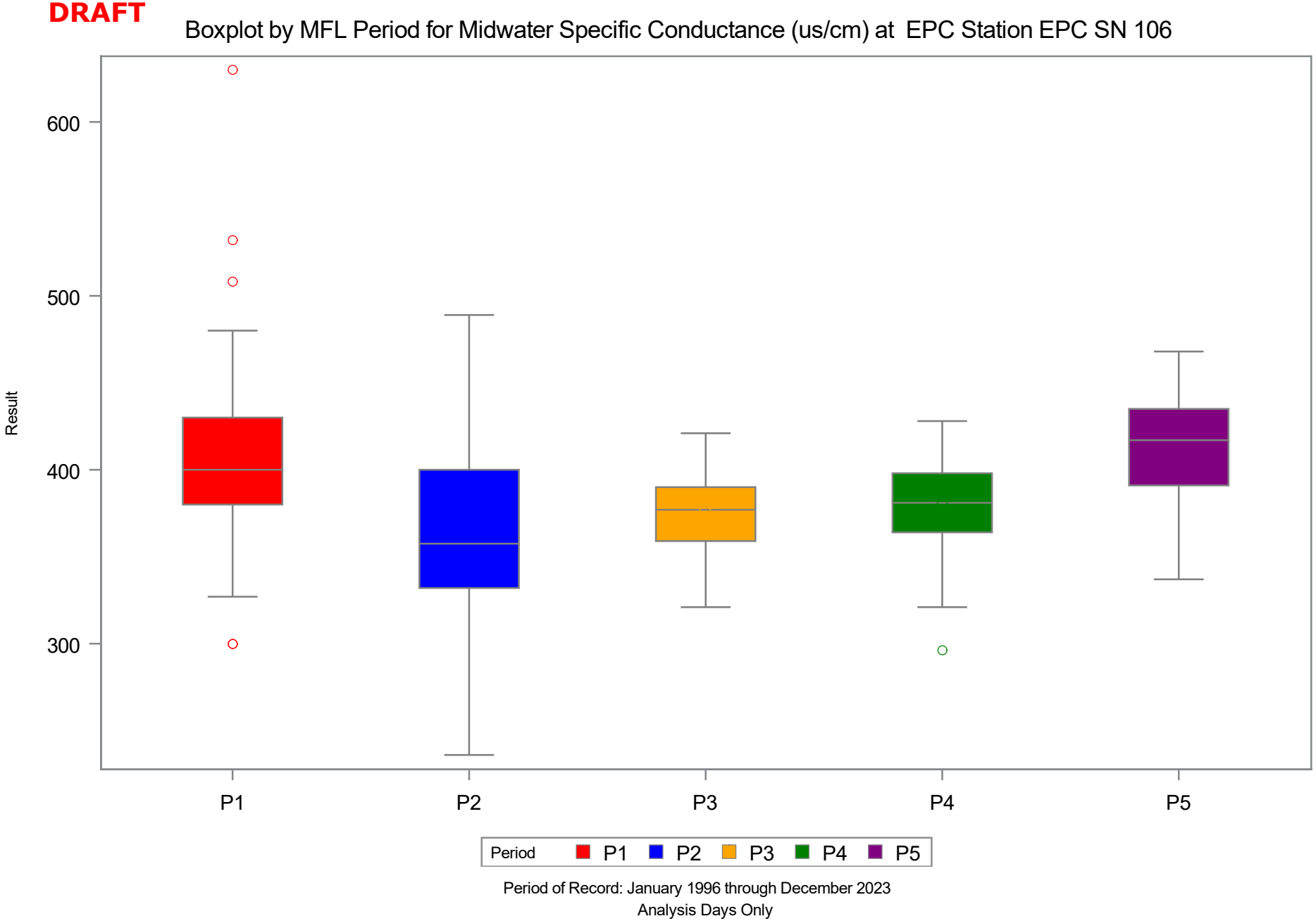
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 106

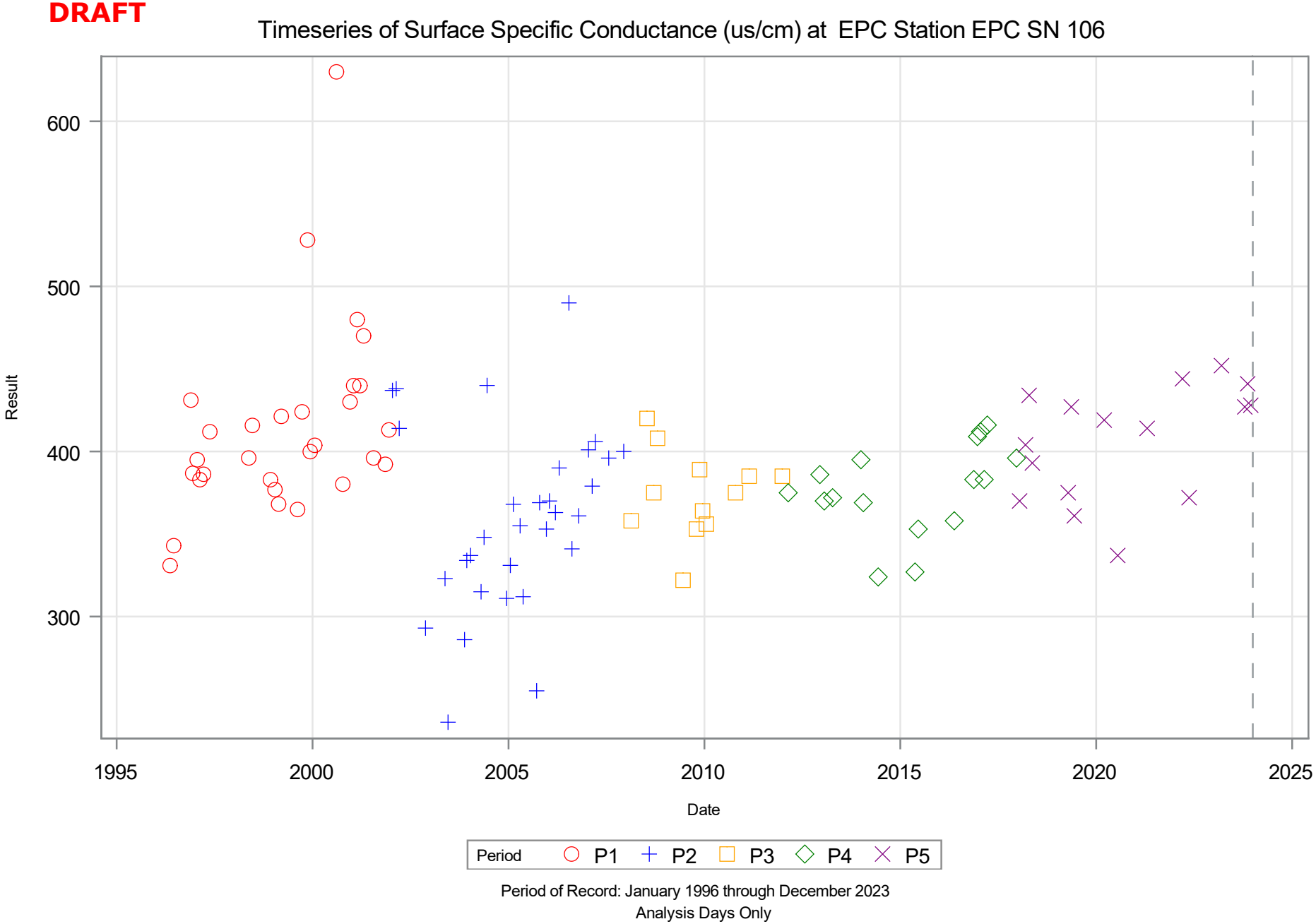
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	300.00	380.00	408.79	400.00	430.00	630.00
P2	42	236.00	332.00	362.74	357.50	400.00	489.00
P3	27	321.00	359.00	375.11	377.00	390.00	421.00
P4	26	296.00	364.00	378.46	381.00	398.00	428.00
P5	21	337.00	391.00	411.38	417.00	435.00	468.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

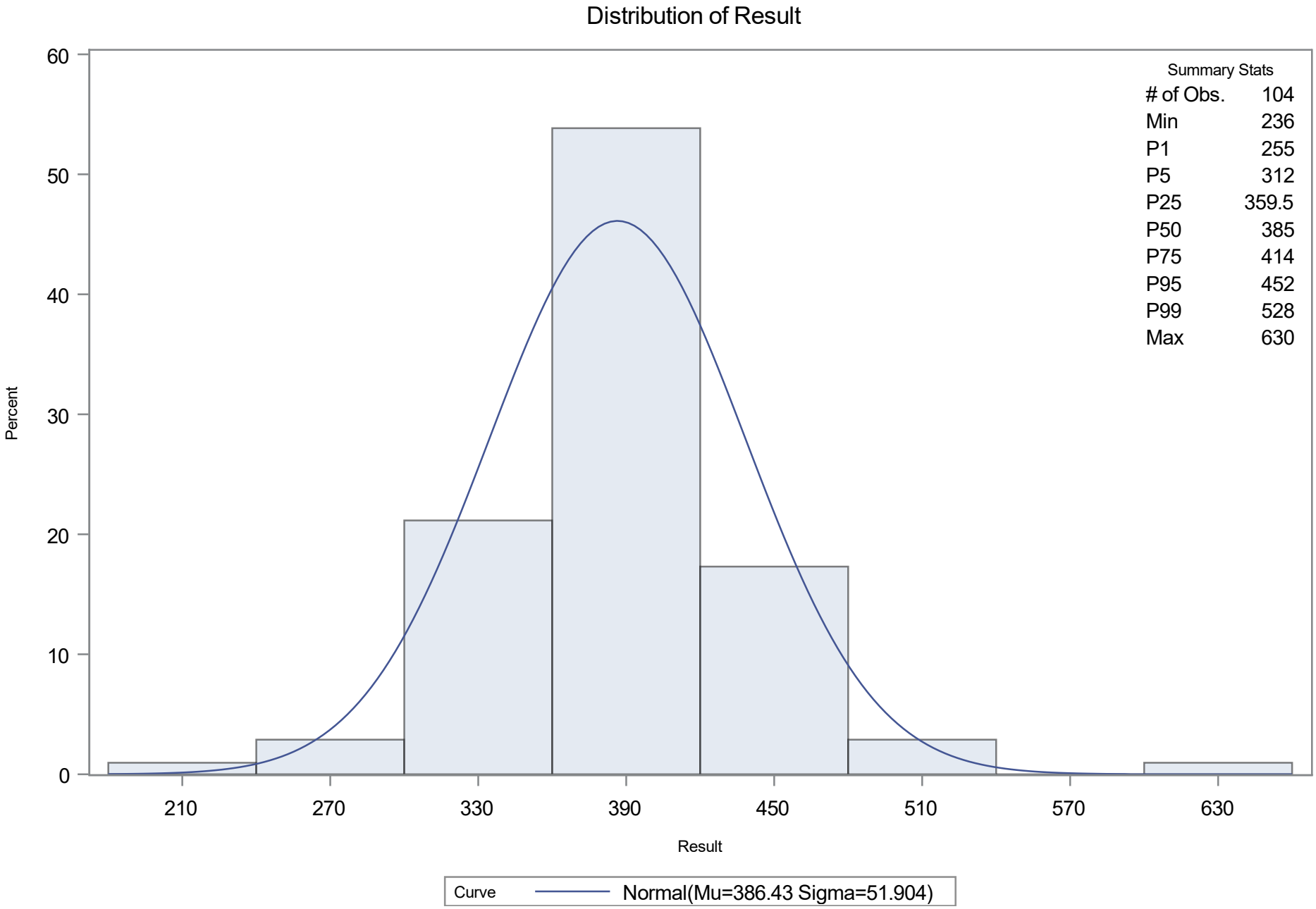

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 106
Result
600
500
400
300
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 106
Result
600
500
400
300
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	386.4327
Std Dev	Sigma	51.90371

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07924859	**Pr > D**	0.106
Cramer-von Mises	**W-Sq**	0.15834939	**Pr > W-Sq**	0.019
Anderson-Darling	**A-Sq**	1.09603253	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	255.000	265.687
5.0	312.000	301.059
10.0	327.000	319.915
25.0	359.500	351.424
50.0	385.000	386.433
75.0	414.000	421.441
90.0	440.000	452.950
95.0	452.000	471.807
99.0	528.000	507.179

Period of Record: January 1996 through December 2023
Analysis Days Only

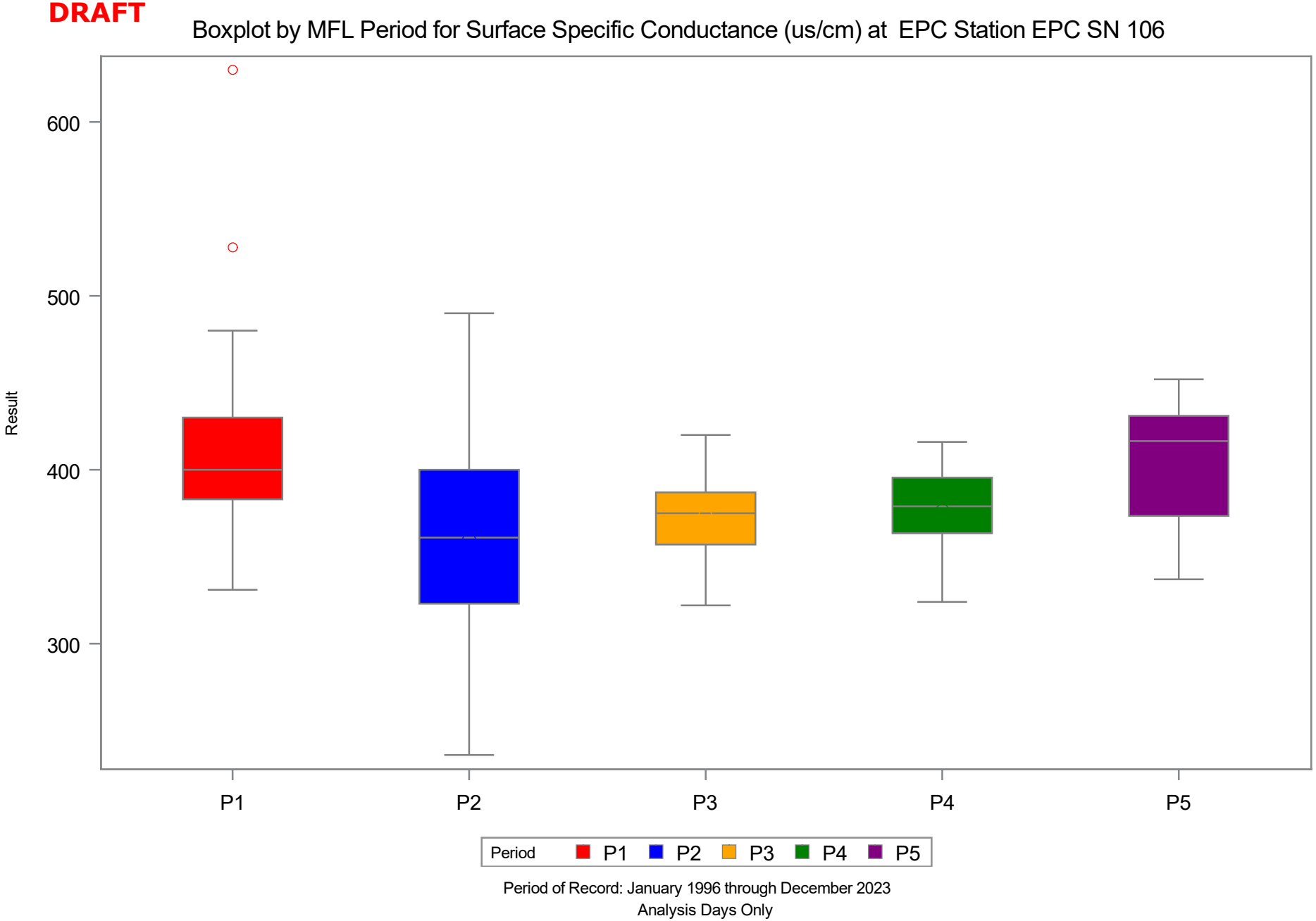
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 106

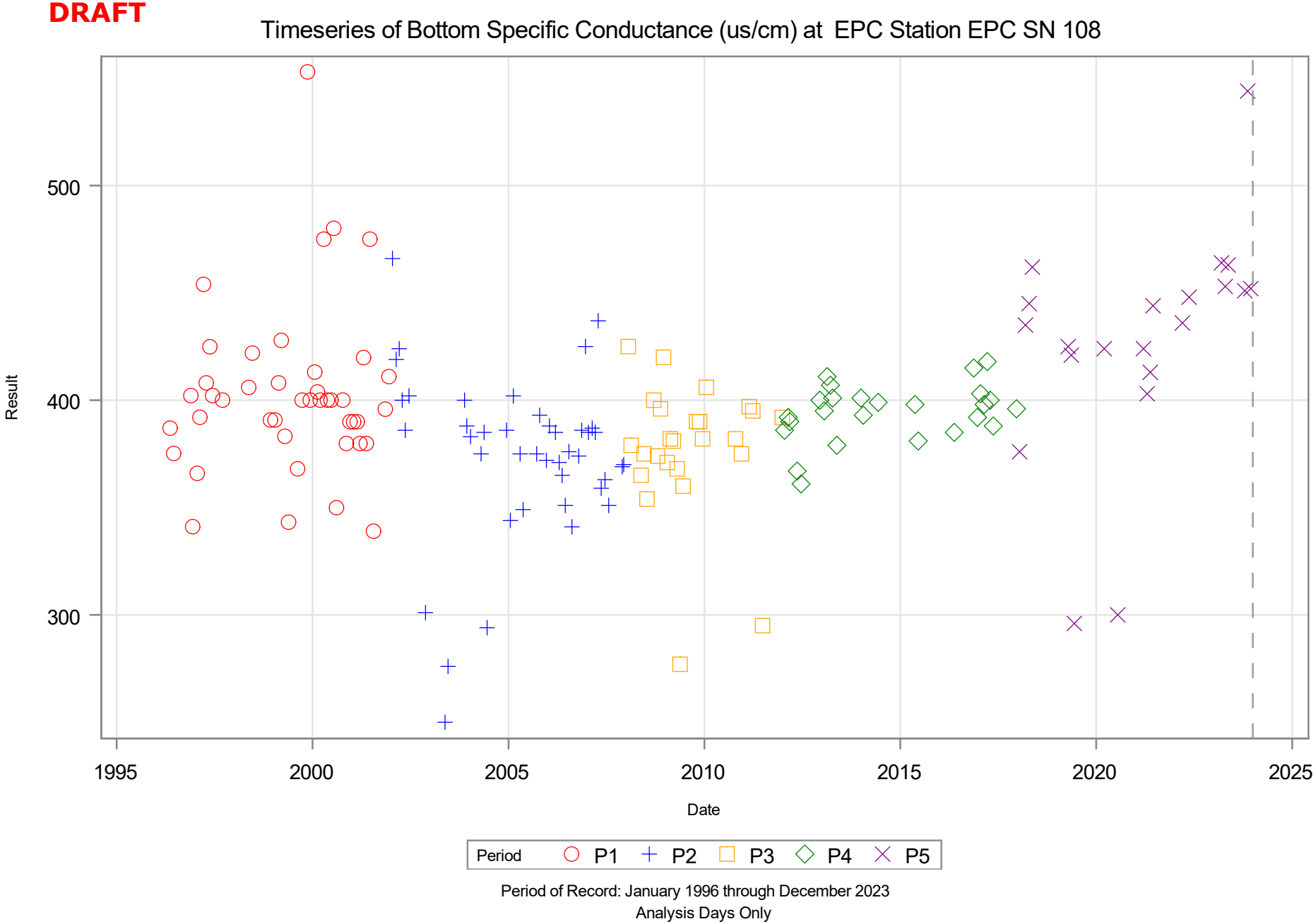
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	29	331.00	383.00	414.52	400.00	430.00	630.00
P2	31	236.00	323.00	359.74	361.00	400.00	490.00
P3	12	322.00	357.00	374.17	375.00	387.00	420.00
P4	16	324.00	363.50	376.75	379.00	395.50	416.00
P5	16	337.00	373.50	406.13	416.50	431.00	452.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

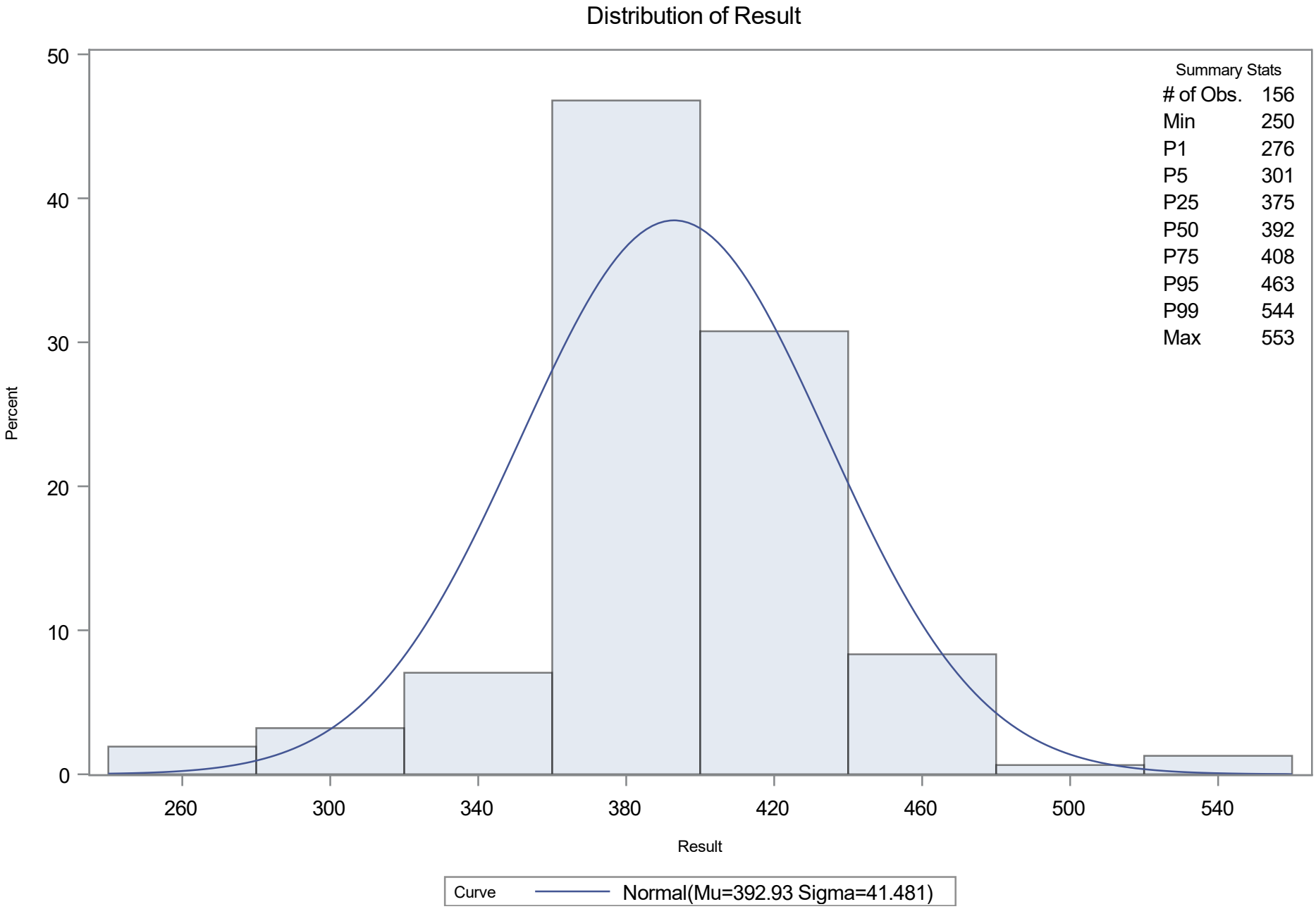

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 106
Result
600
500
400
300
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 108
Result
500
400
300
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	392.9295
Std Dev	Sigma	41.48099

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12203889	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.67880049	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.78472278	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	276.000	296.430
5.0	301.000	324.699
10.0	351.000	339.769
25.0	375.000	364.951
50.0	392.000	392.929
75.0	408.000	420.908
90.0	444.000	446.090
95.0	463.000	461.160
99.0	544.000	489.429

Period of Record: January 1996 through December 2023
Analysis Days Only

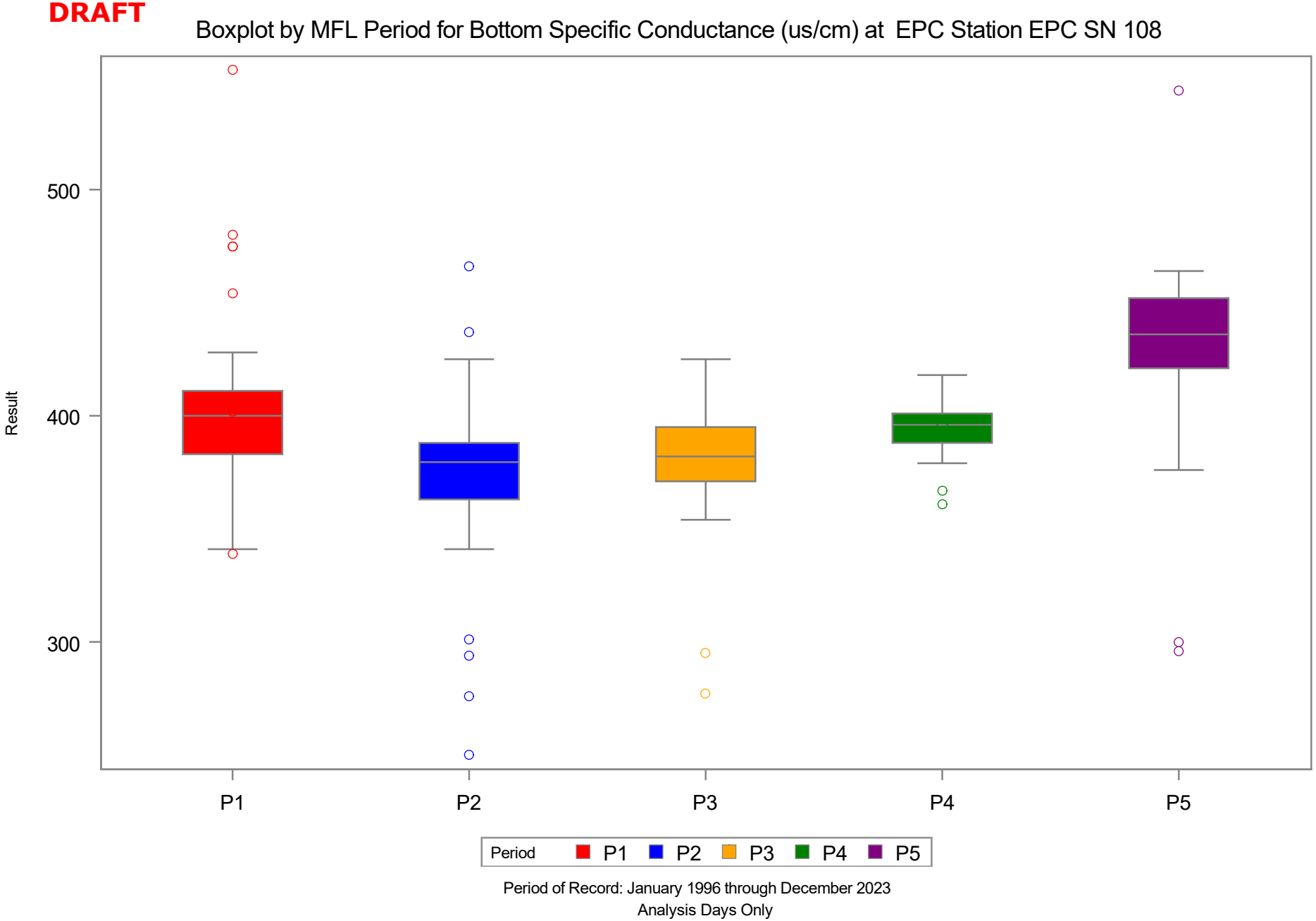
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 108

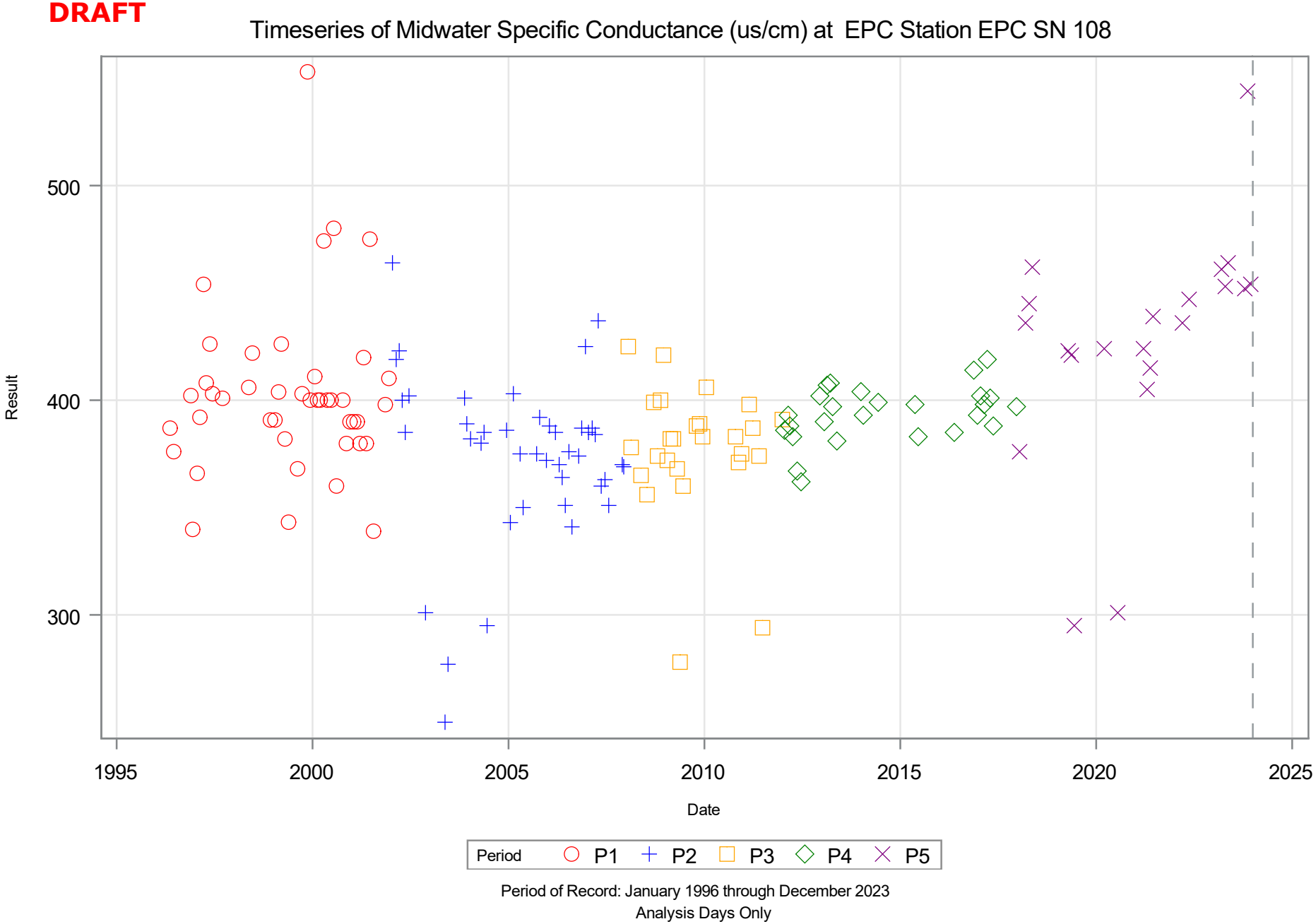
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	339.00	383.00	402.74	400.00	411.00	553.00
P2	42	250.00	363.00	374.12	379.50	388.00	466.00
P3	25	277.00	371.00	377.24	382.00	395.00	425.00
P4	25	361.00	388.00	394.24	396.00	401.00	418.00
P5	21	296.00	421.00	427.57	436.00	452.00	544.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

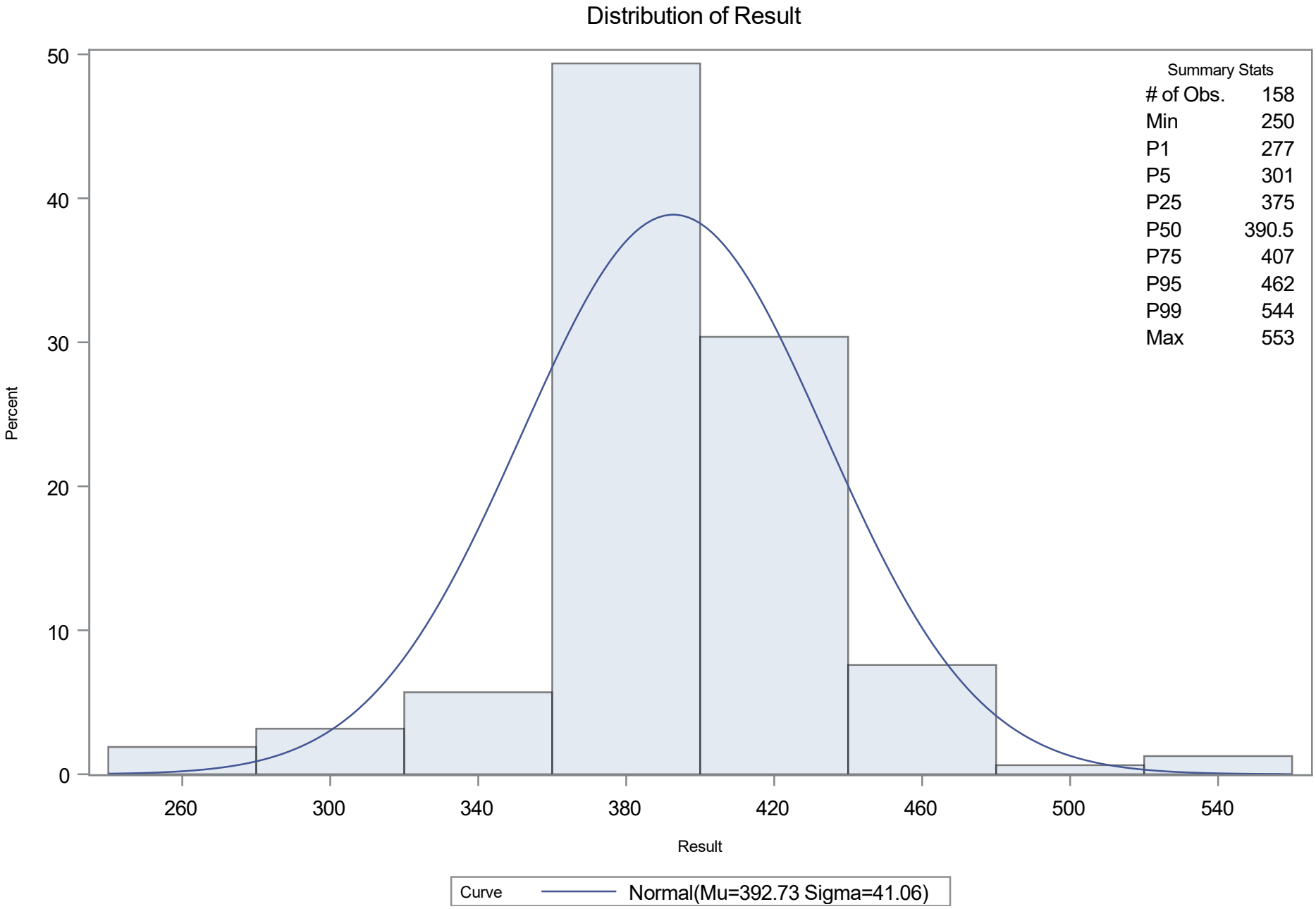

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 108
Result
500
400
300
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 108
Result
500
400
300
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	392.7278
Std Dev	Sigma	41.05979

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12078816	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.71004819	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.97833719	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	277.000	297.208
5.0	301.000	325.191
10.0	351.000	340.108
25.0	375.000	365.033
50.0	390.500	392.728
75.0	407.000	420.422
90.0	439.000	445.348
95.0	462.000	460.265
99.0	544.000	488.247

Period of Record: January 1996 through December 2023
Analysis Days Only

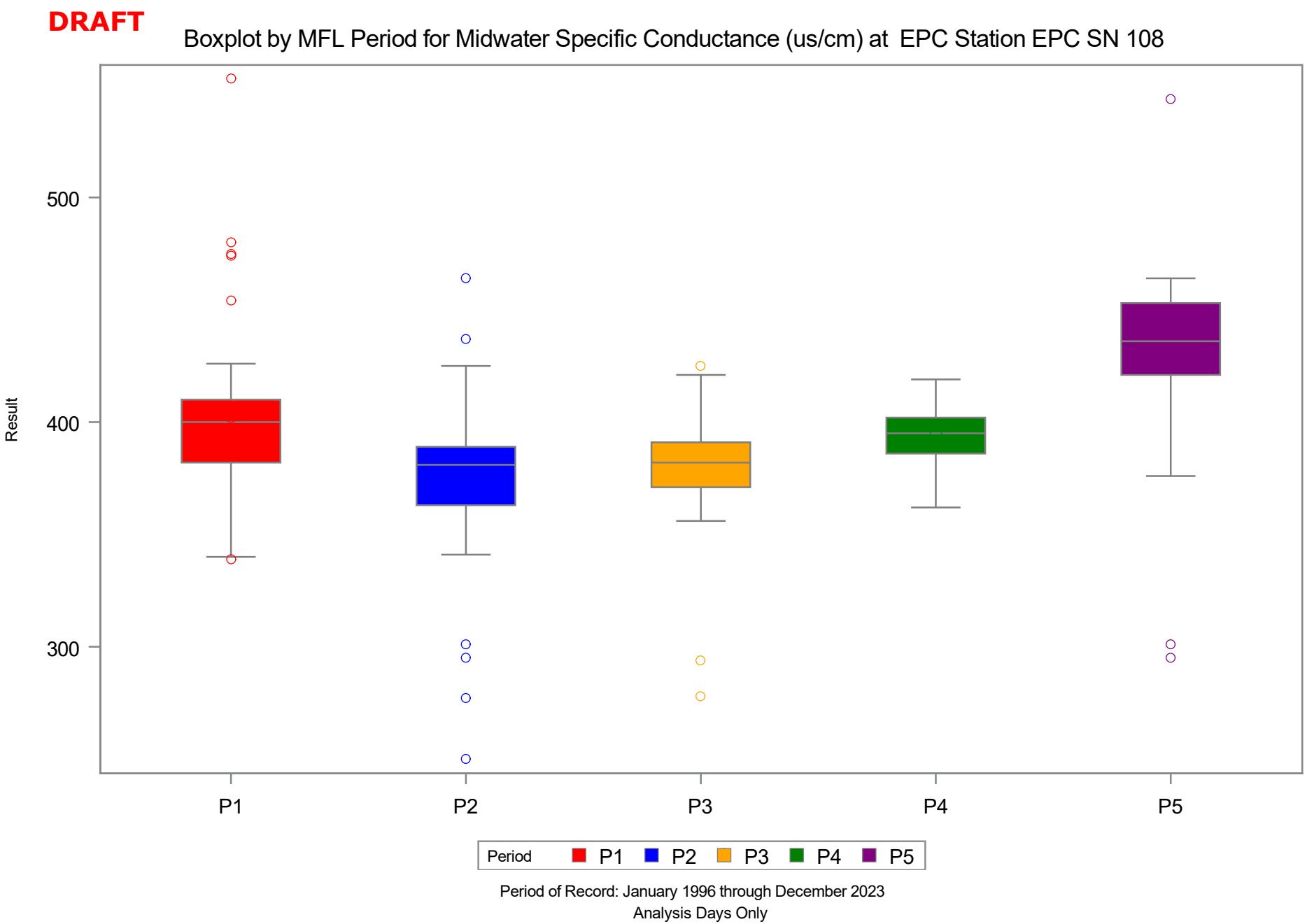
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 108

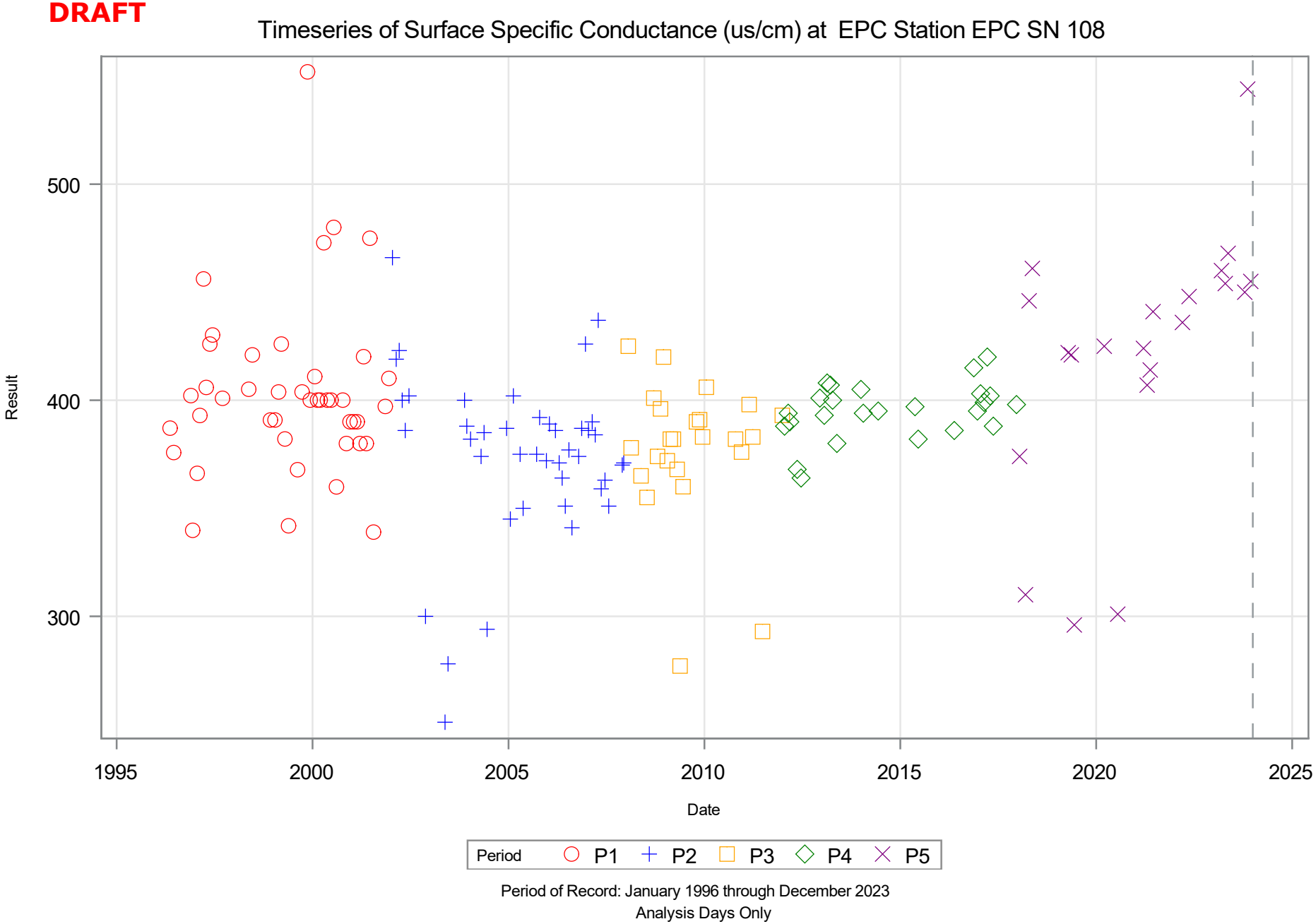
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	339.00	382.00	402.81	400.00	410.00	553.00
P2	42	250.00	363.00	374.19	381.00	389.00	464.00
P3	26	278.00	371.00	376.88	382.00	391.00	425.00
P4	26	362.00	386.00	393.77	395.00	402.00	419.00
P5	21	295.00	421.00	427.48	436.00	453.00	544.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

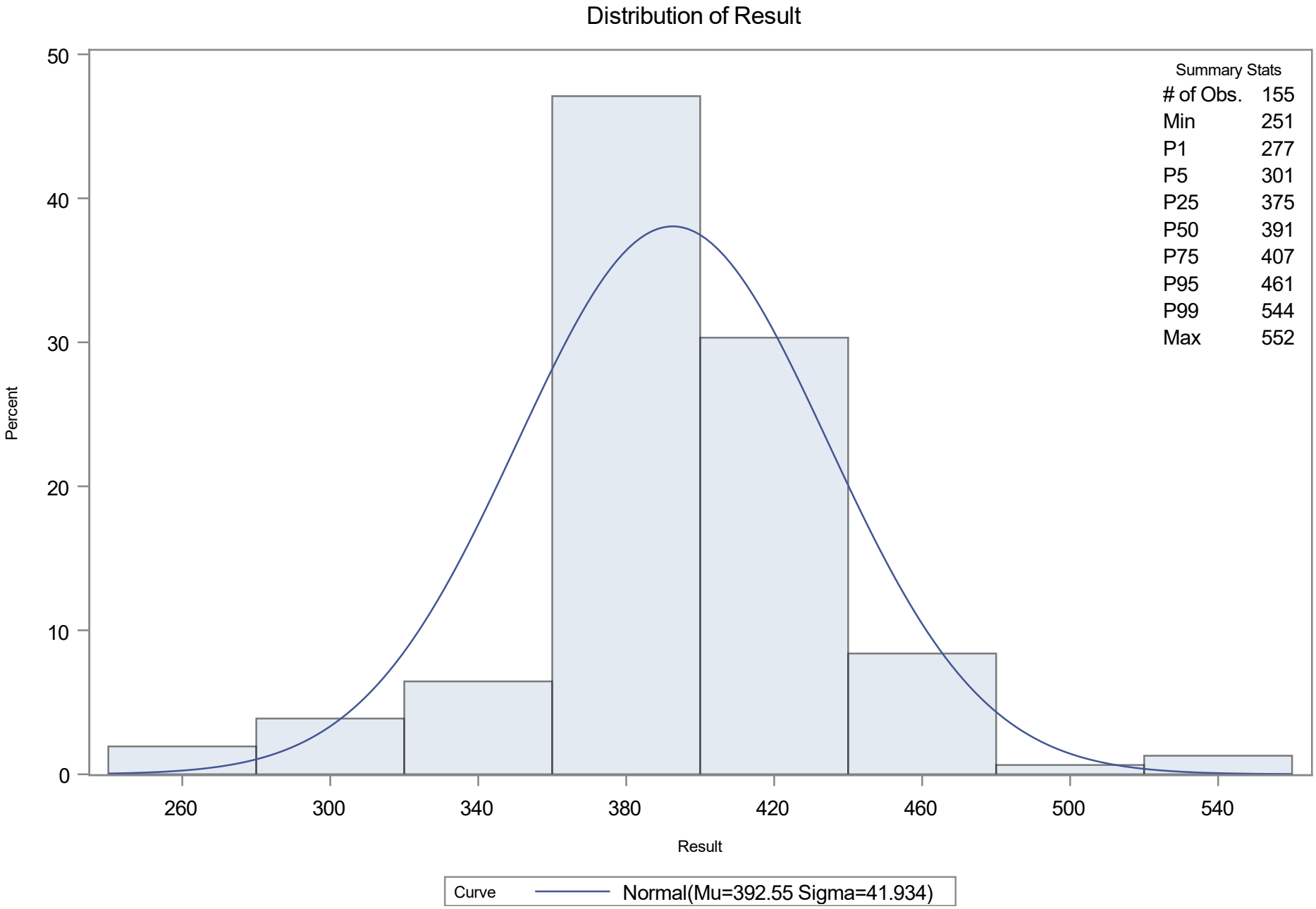

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 108
Result
500
400
300
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 108
Result
500
400
300
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	392.5548
Std Dev	Sigma	41.93426

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12008455	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.67412632	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.74504907	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	277.000	295.001
5.0	301.000	323.579
10.0	351.000	338.814
25.0	375.000	364.271
50.0	391.000	392.555
75.0	407.000	420.839
90.0	441.000	446.296
95.0	461.000	461.531
99.0	544.000	490.109

Period of Record: January 1996 through December 2023
Analysis Days Only

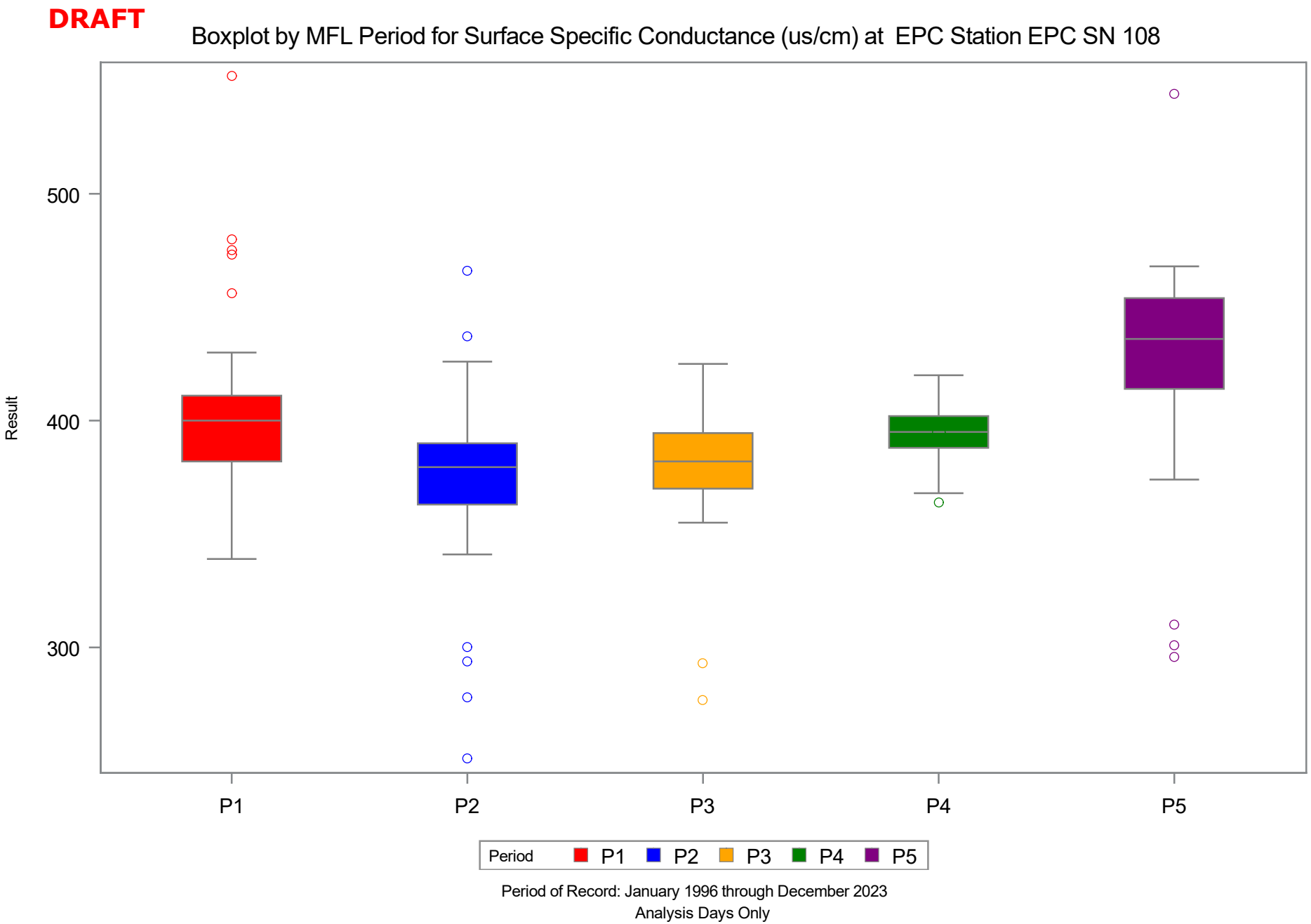
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 108

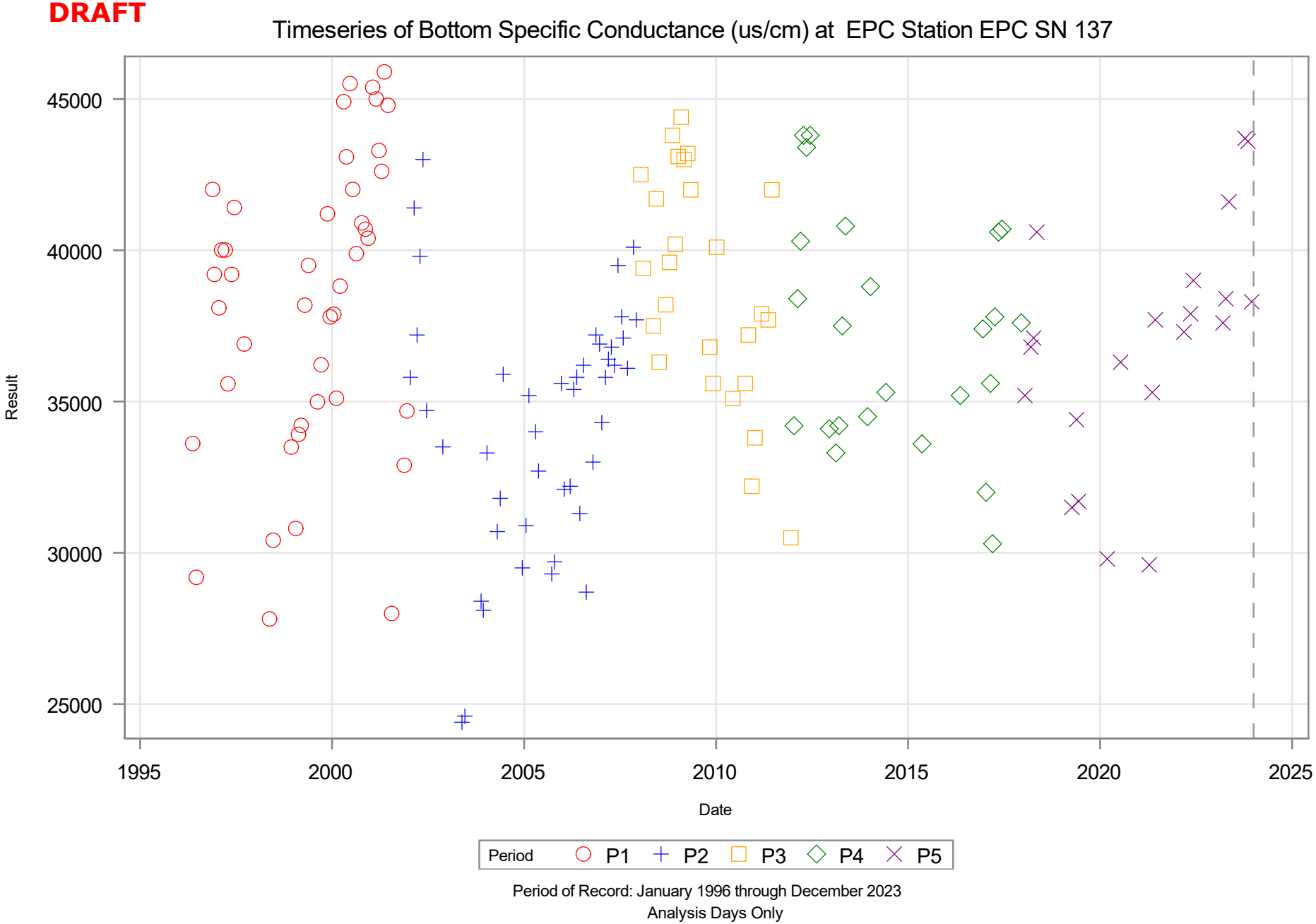
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	339.00	382.00	403.35	400.00	411.00	552.00
P2	42	251.00	363.00	374.36	379.50	390.00	466.00
P3	24	277.00	370.00	377.08	382.00	394.50	425.00
P4	25	364.00	388.00	394.88	395.00	402.00	420.00
P5	21	296.00	414.00	421.76	436.00	454.00	544.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 108
Result
500
400
300
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

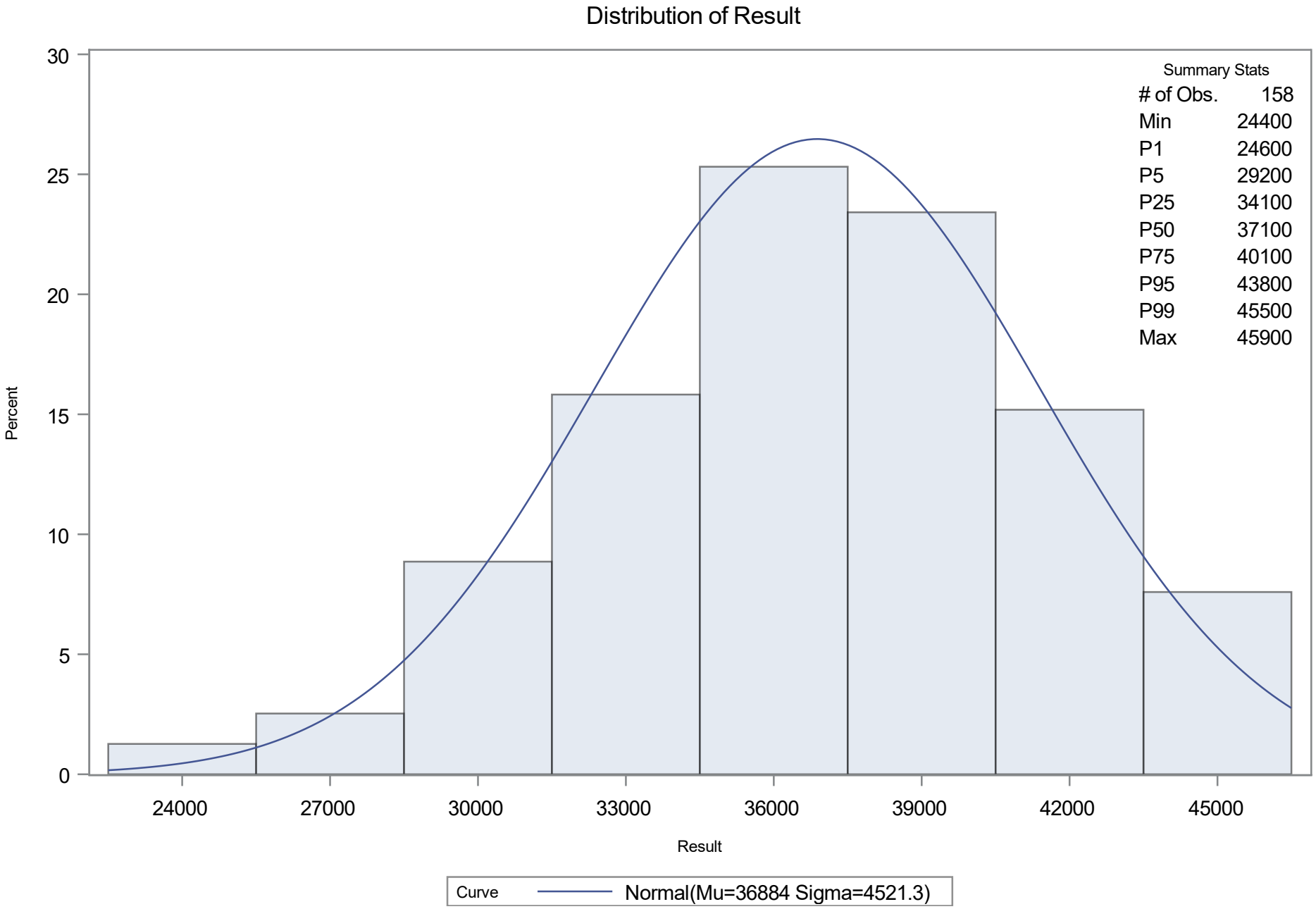
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	36883.54
Std Dev	Sigma	4521.342

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03648958	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03701531	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31671979	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	24600.0	26365.3
5.0	29200.0	29446.6
10.0	30500.0	31089.2
25.0	34100.0	33833.9
50.0	37100.0	36883.5
75.0	40100.0	39933.1
90.0	43100.0	42677.9
95.0	43800.0	44320.5
99.0	45500.0	47401.8

Period of Record: January 1996 through December 2023
Analysis Days Only

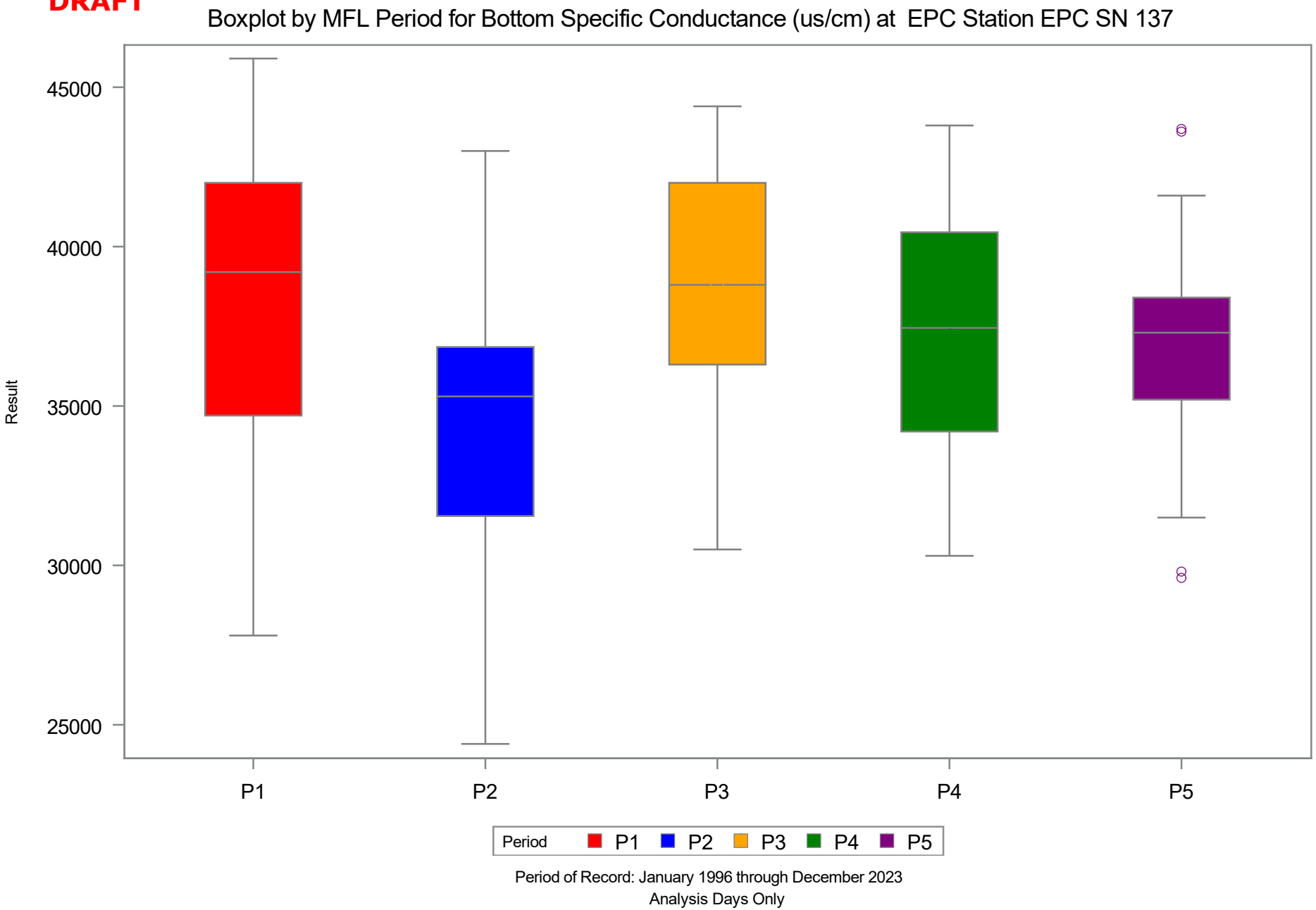
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 137

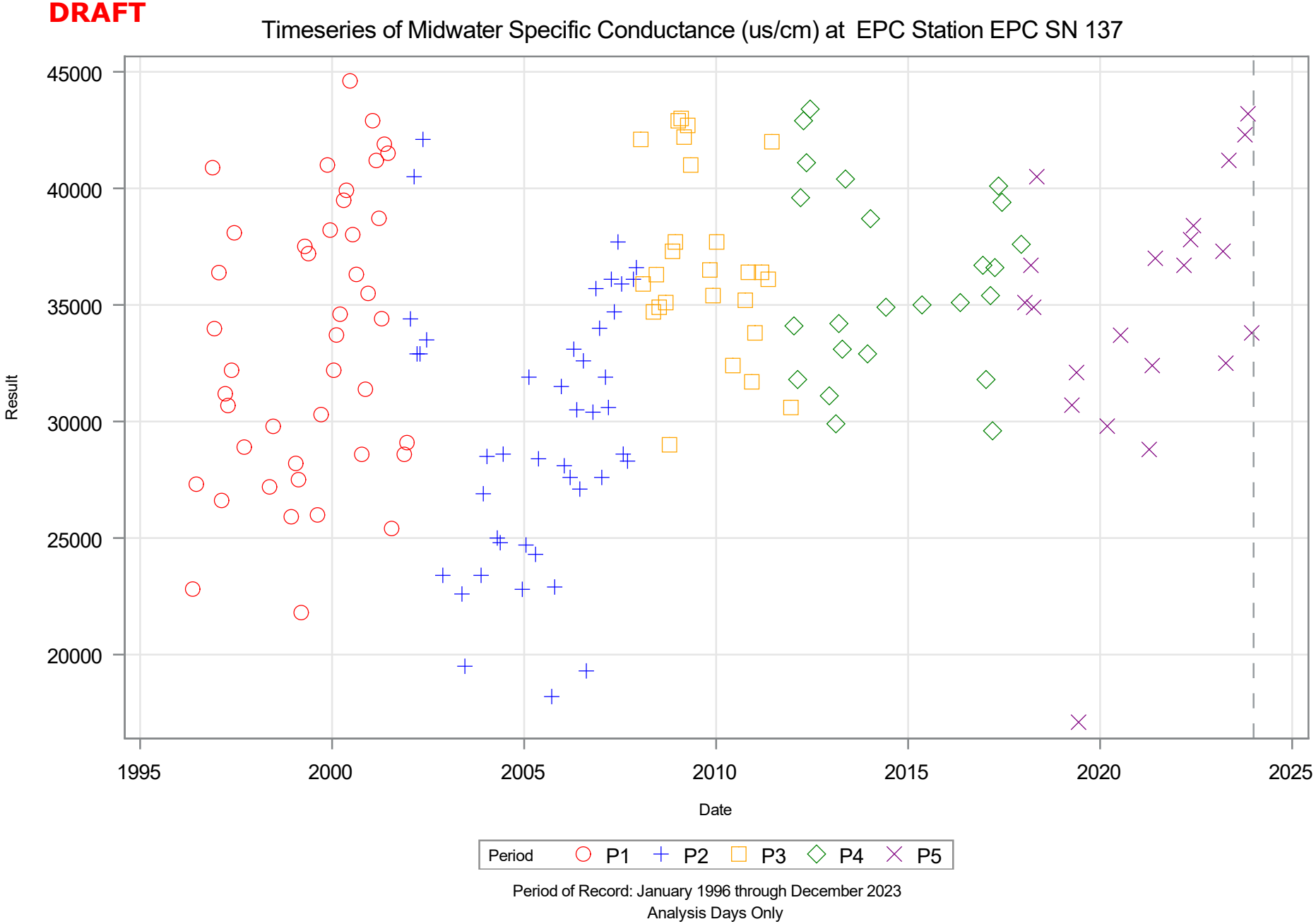
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	27800.00	34700.00	38267.44	39200.00	42000.00	45900.00
P2	44	24400.00	31550.00	34229.55	35300.00	36850.00	43000.00
P3	26	30500.00	36300.00	38823.08	38800.00	42000.00	44400.00
P4	24	30300.00	34200.00	37216.67	37450.00	40450.00	43800.00
P5	21	29600.00	35200.00	36828.57	37300.00	38400.00	43700.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

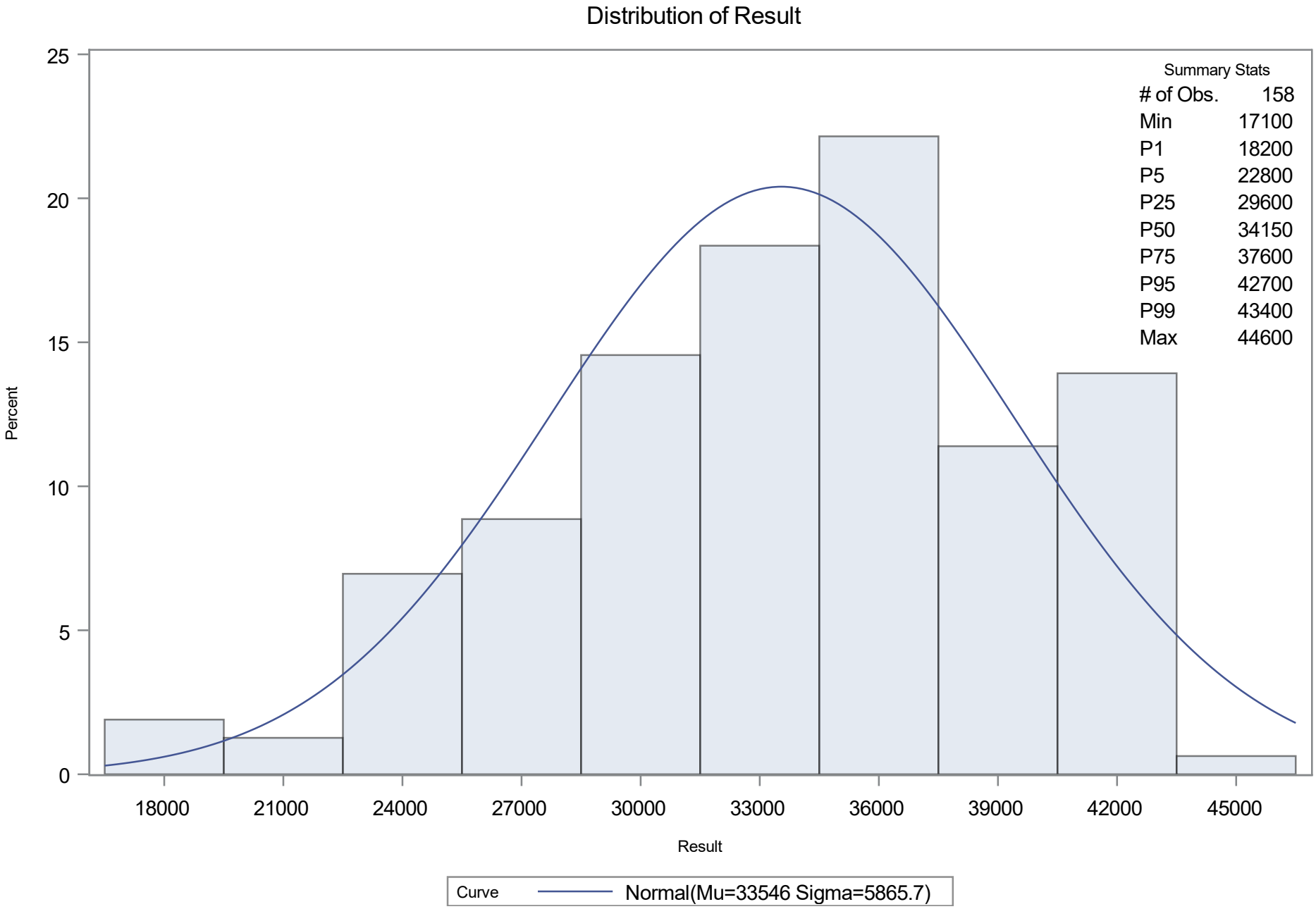

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 137
Result
45000
40000
35000
30000
25000
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 137
Result
45000
40000
35000
30000
25000
20000
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	33546.2
Std Dev	Sigma	5865.723

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05476274	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08422711	**Pr > W-Sq**	0.188
Anderson-Darling	**A-Sq**	0.61562287	**Pr > A-Sq**	0.109

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18200.0	19900.5
5.0	22800.0	23897.9
10.0	25400.0	26029.0
25.0	29600.0	29589.8
50.0	34150.0	33546.2
75.0	37600.0	37502.6
90.0	41200.0	41063.4
95.0	42700.0	43194.5
99.0	43400.0	47191.9

Period of Record: January 1996 through December 2023
Analysis Days Only

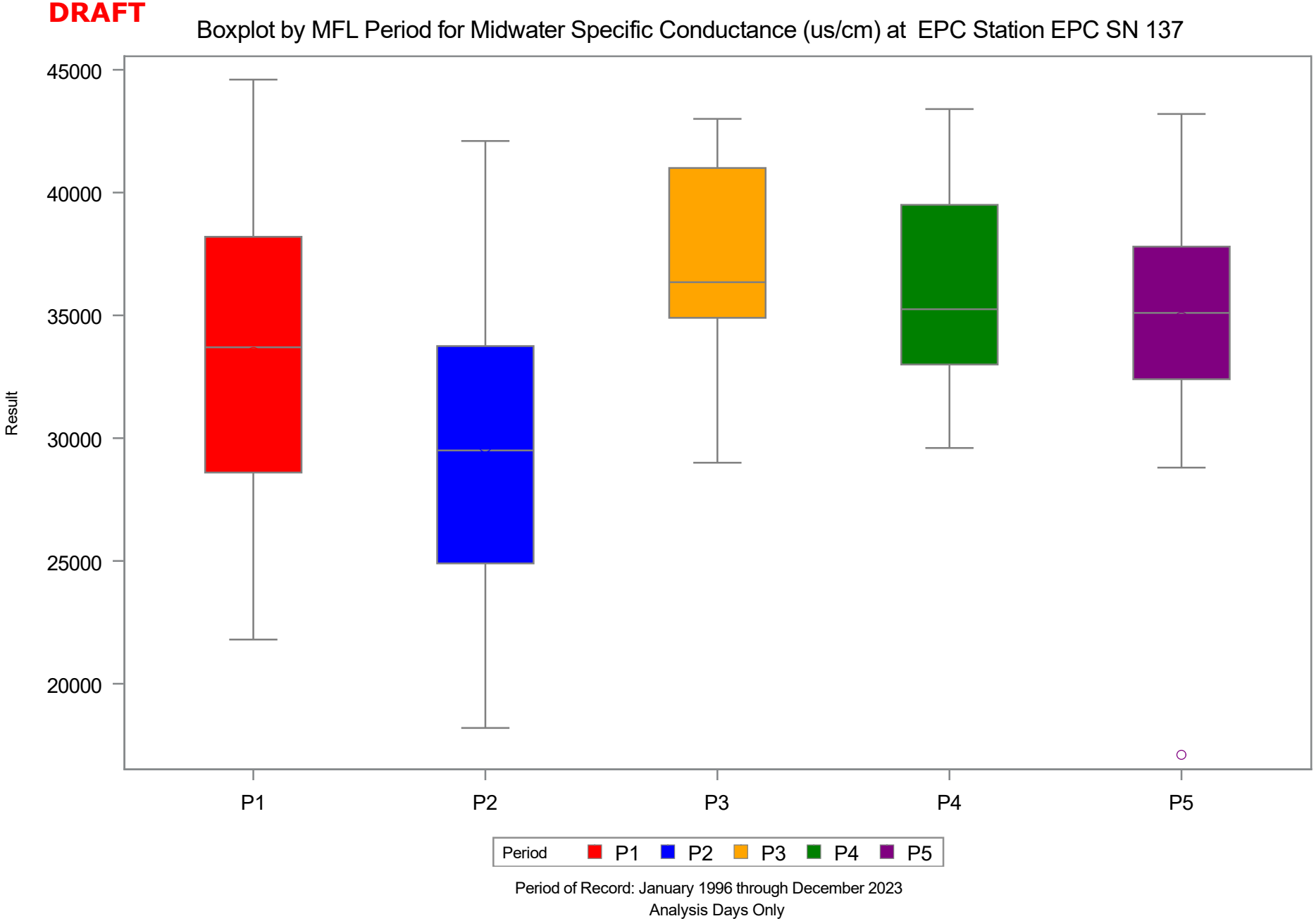
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 137

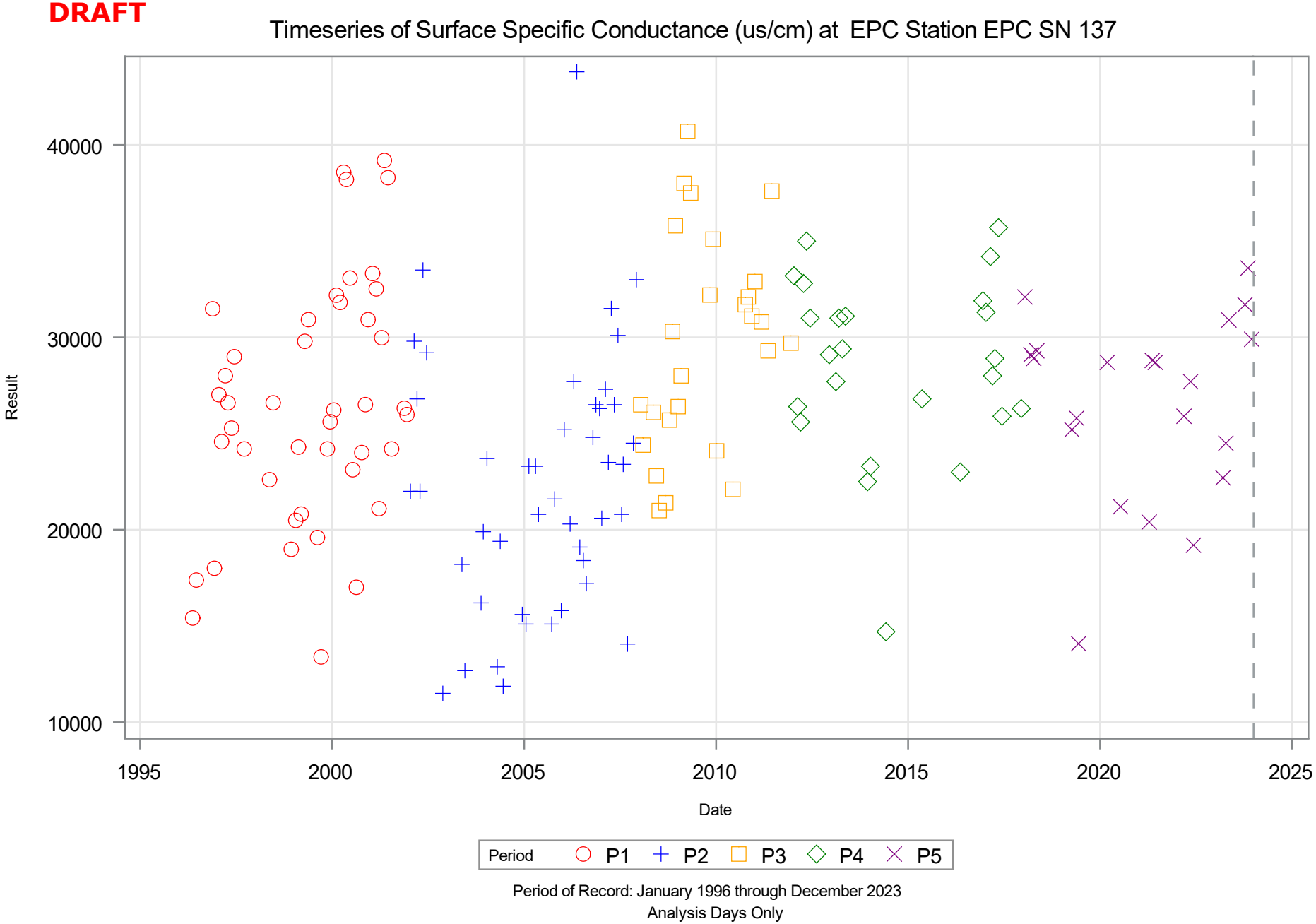
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	21800.00	28600.00	33434.88	33700.00	38200.00	44600.00
P2	44	18200.00	24900.00	29686.36	29500.00	33750.00	42100.00
P3	26	29000.00	34900.00	36884.62	36350.00	41000.00	43000.00
P4	24	29600.00	33000.00	36058.33	35250.00	39500.00	43400.00
P5	21	17100.00	32400.00	34857.14	35100.00	37800.00	43200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

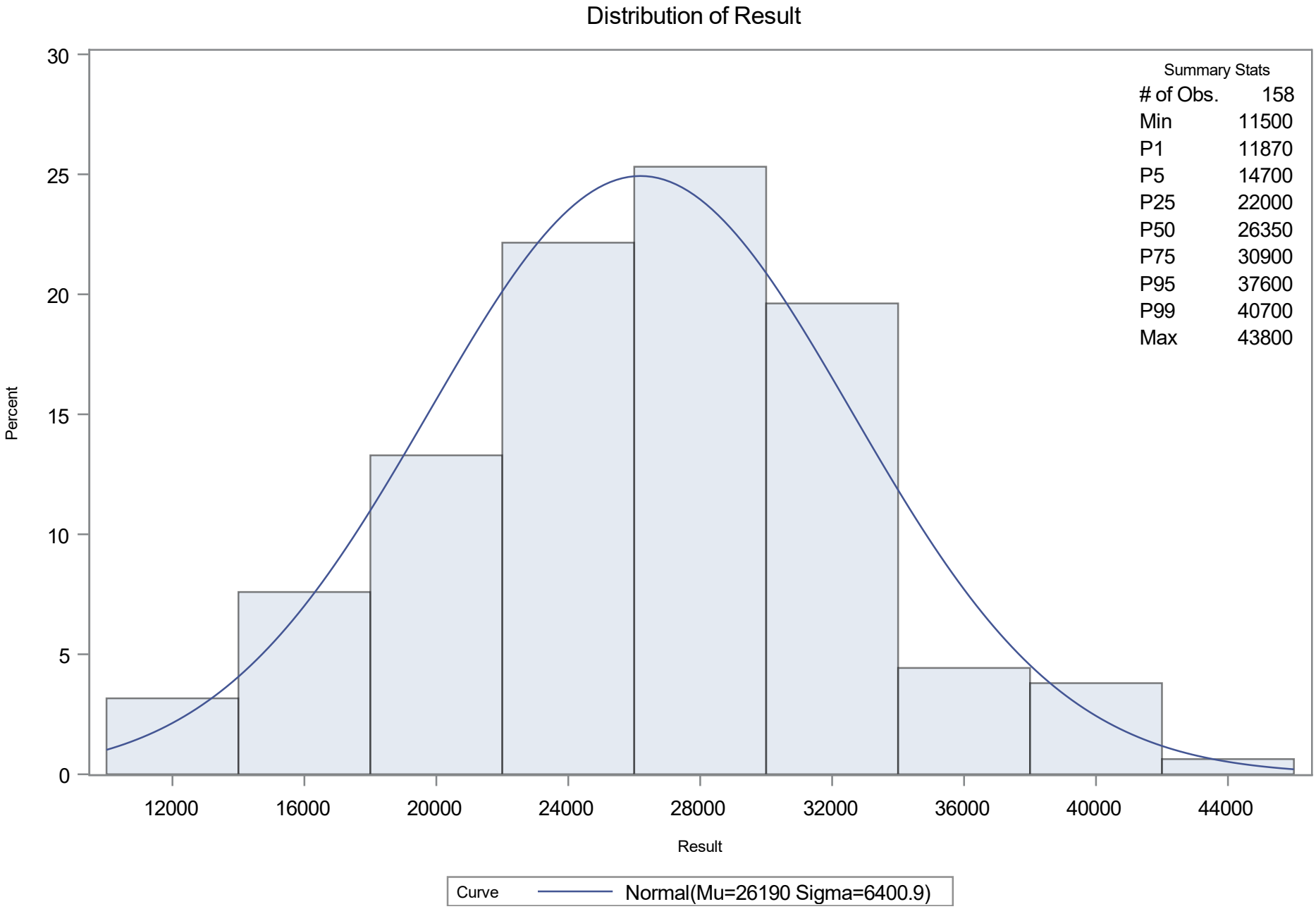

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 137
Result
45000
40000
35000
30000
25000
20000
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 137
Result
40000
30000
20000
10000
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26190.32
Std Dev	Sigma	6400.871

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03920925	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04207232	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30438912	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11870.0	11299.7
5.0	14700.0	15661.8
10.0	17200.0	17987.3
25.0	22000.0	21873.0
50.0	26350.0	26190.3
75.0	30900.0	30507.6
90.0	33500.0	34393.4
95.0	37600.0	36718.8
99.0	40700.0	41081.0

Period of Record: January 1996 through December 2023
Analysis Days Only

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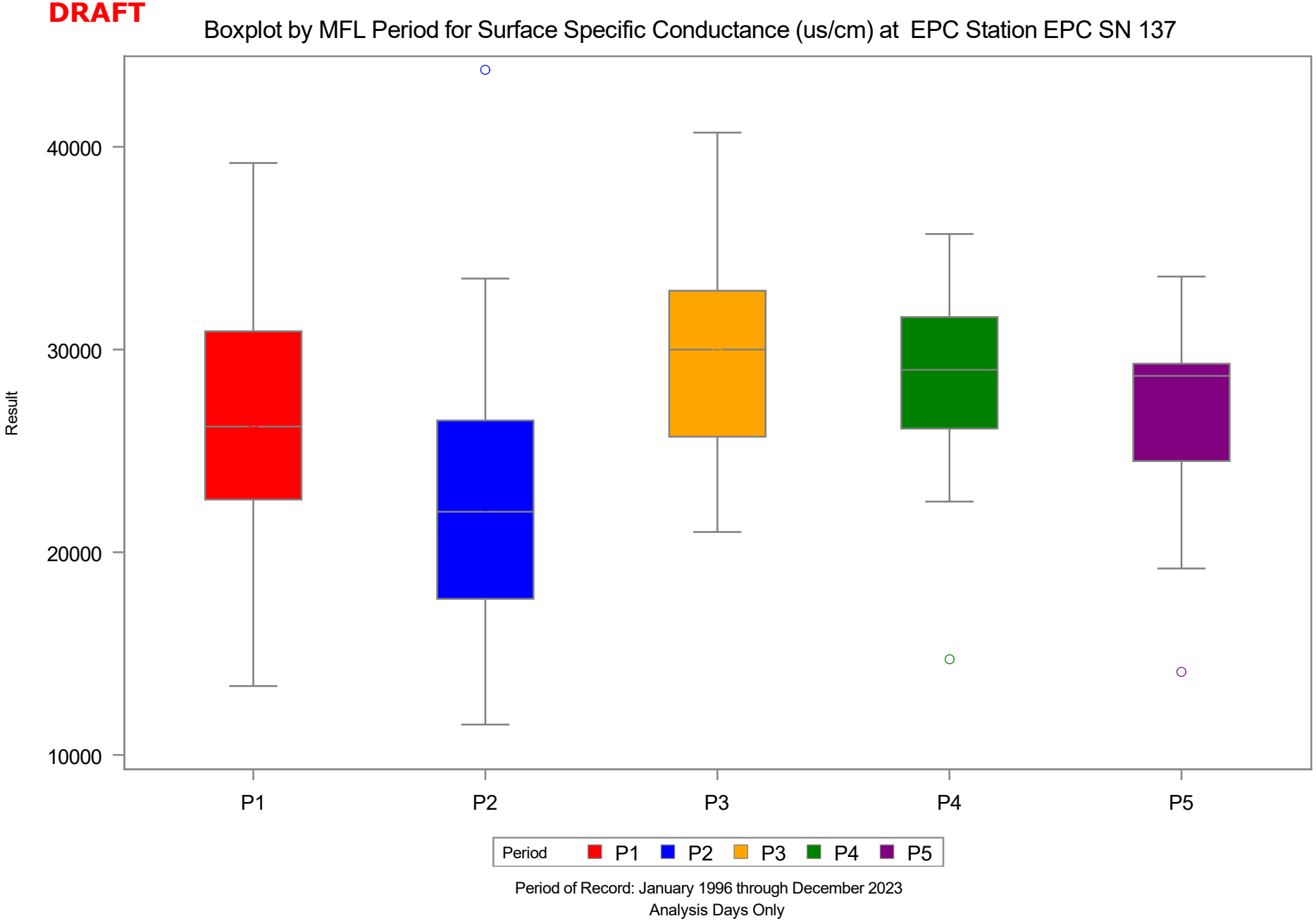
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 137

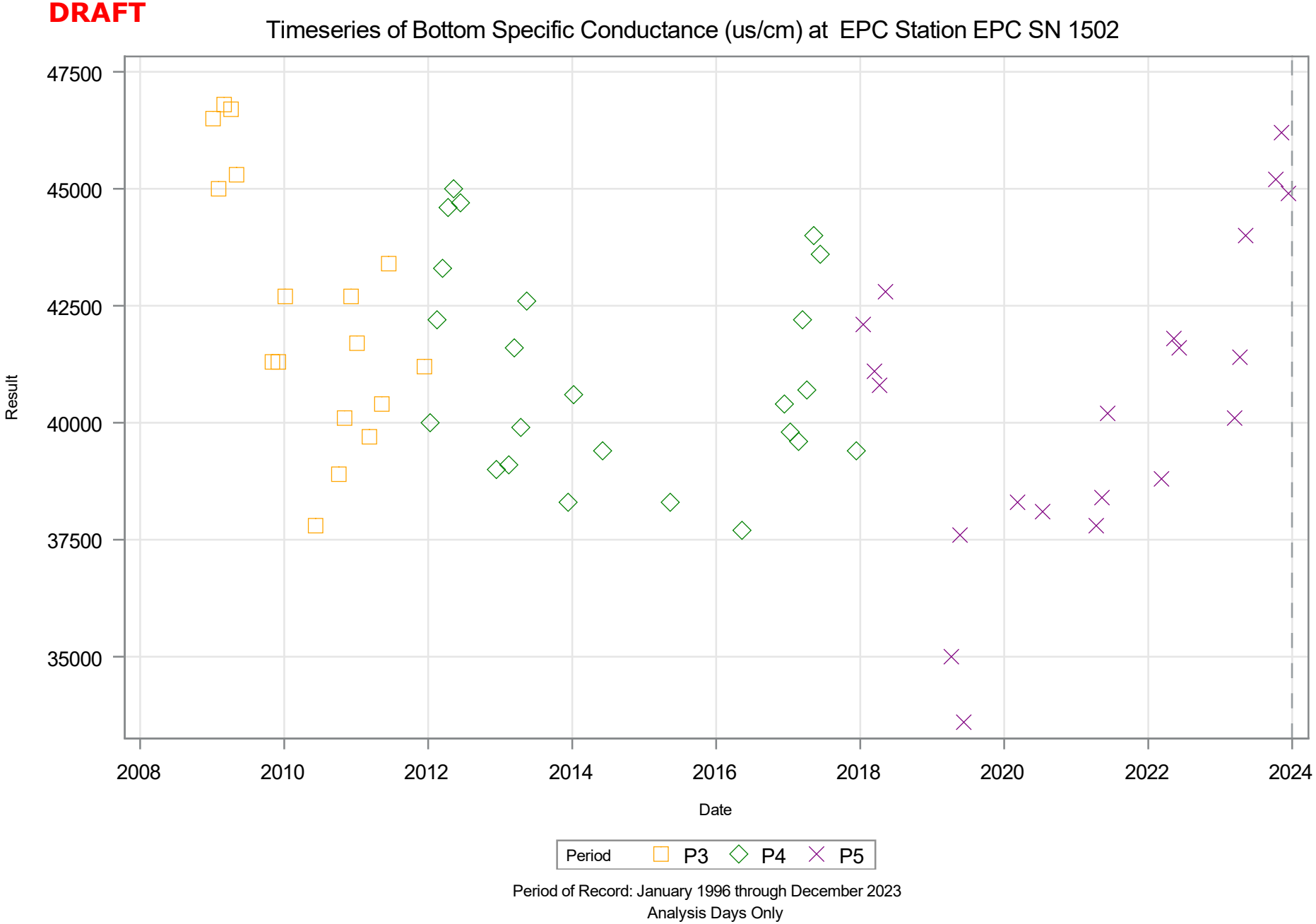
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	13400.00	22600.00	26437.21	26200.00	30900.00	39200.00
P2	44	11500.00	17700.00	22381.59	22000.00	26500.00	43800.00
P3	26	21000.00	25700.00	29742.31	30000.00	32900.00	40700.00
P4	24	14700.00	26100.00	28533.33	29000.00	31600.00	35700.00
P5	21	14080.00	24500.00	26589.52	28700.00	29300.00	33600.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

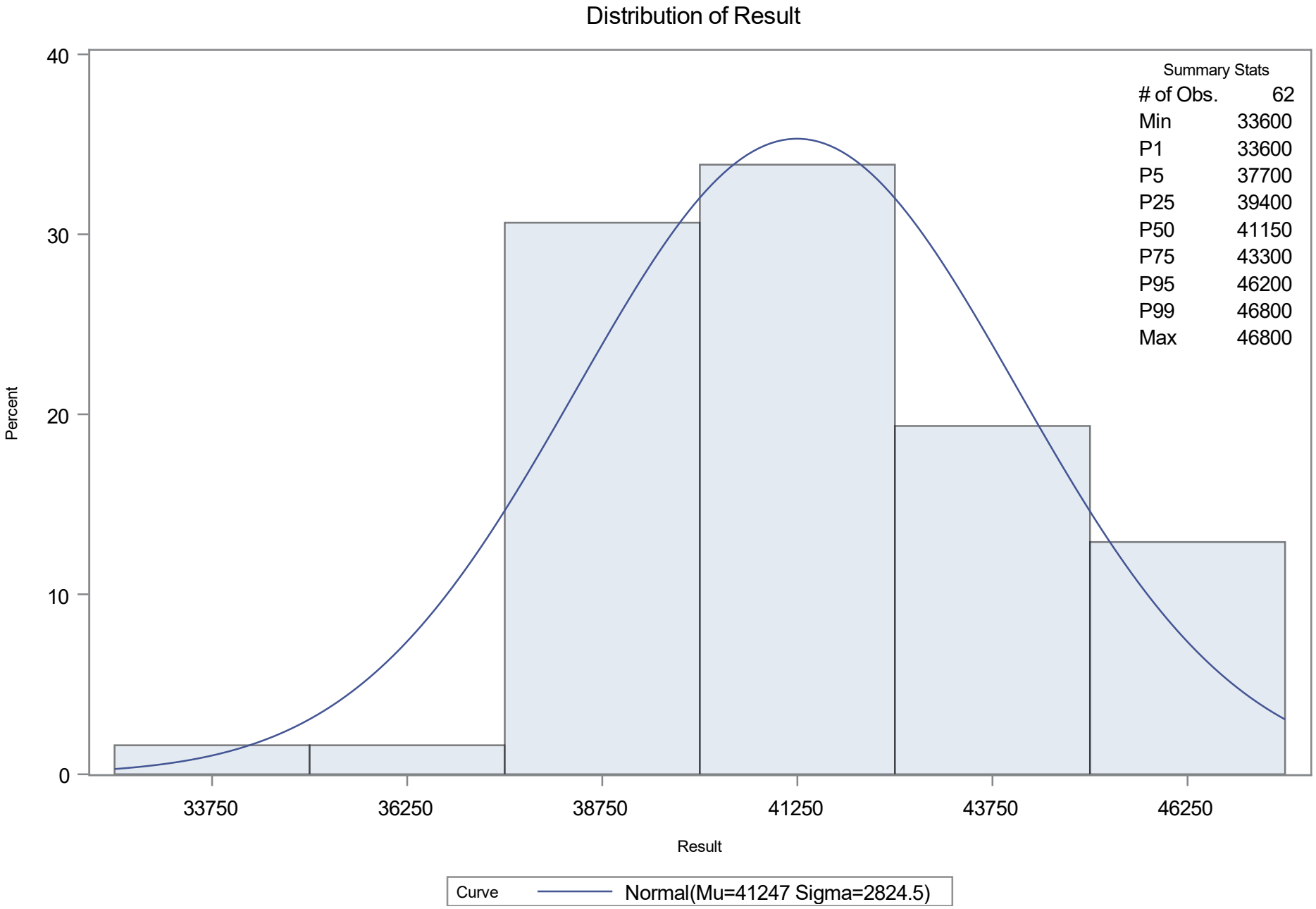

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 137
Result
40000
30000
20000
10000
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1502
47500
45000
42500
40000
37500
35000
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	41246.77
Std Dev	Sigma	2824.467

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06606998	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04414285	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34923247	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	33600.0	34676.1
5.0	37700.0	36600.9
10.0	38100.0	37627.1
25.0	39400.0	39341.7
50.0	41150.0	41246.8
75.0	43300.0	43151.8
90.0	45000.0	44866.5
95.0	46200.0	45892.6
99.0	46800.0	47817.5

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1502

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	37800.00	40400.00	42441.18	41700.00	45000.00	46800.00
P4	24	37700.00	39400.00	41083.33	40500.00	42950.00	45000.00
P5	21	33600.00	38300.00	40466.67	40800.00	42100.00	46200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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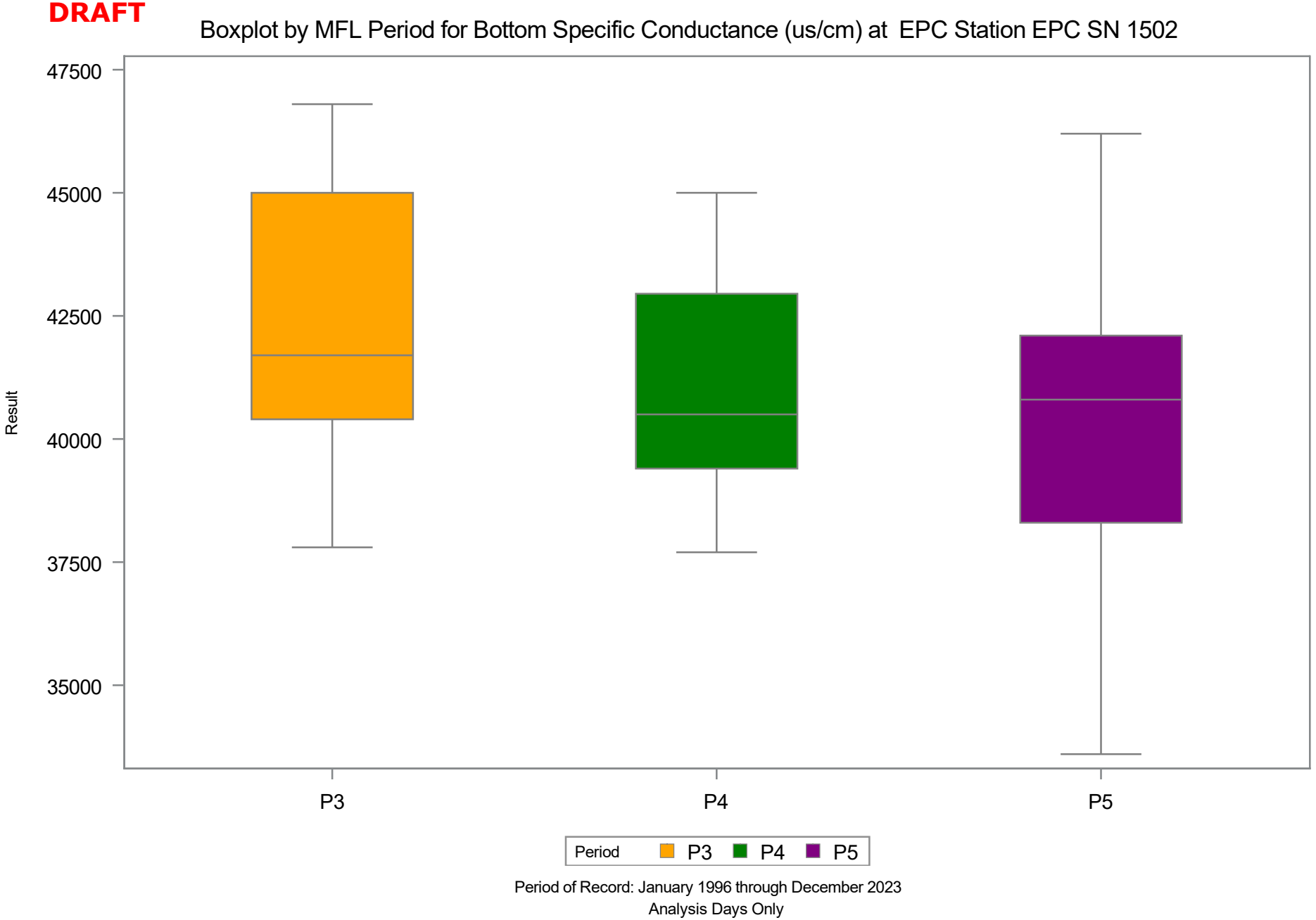
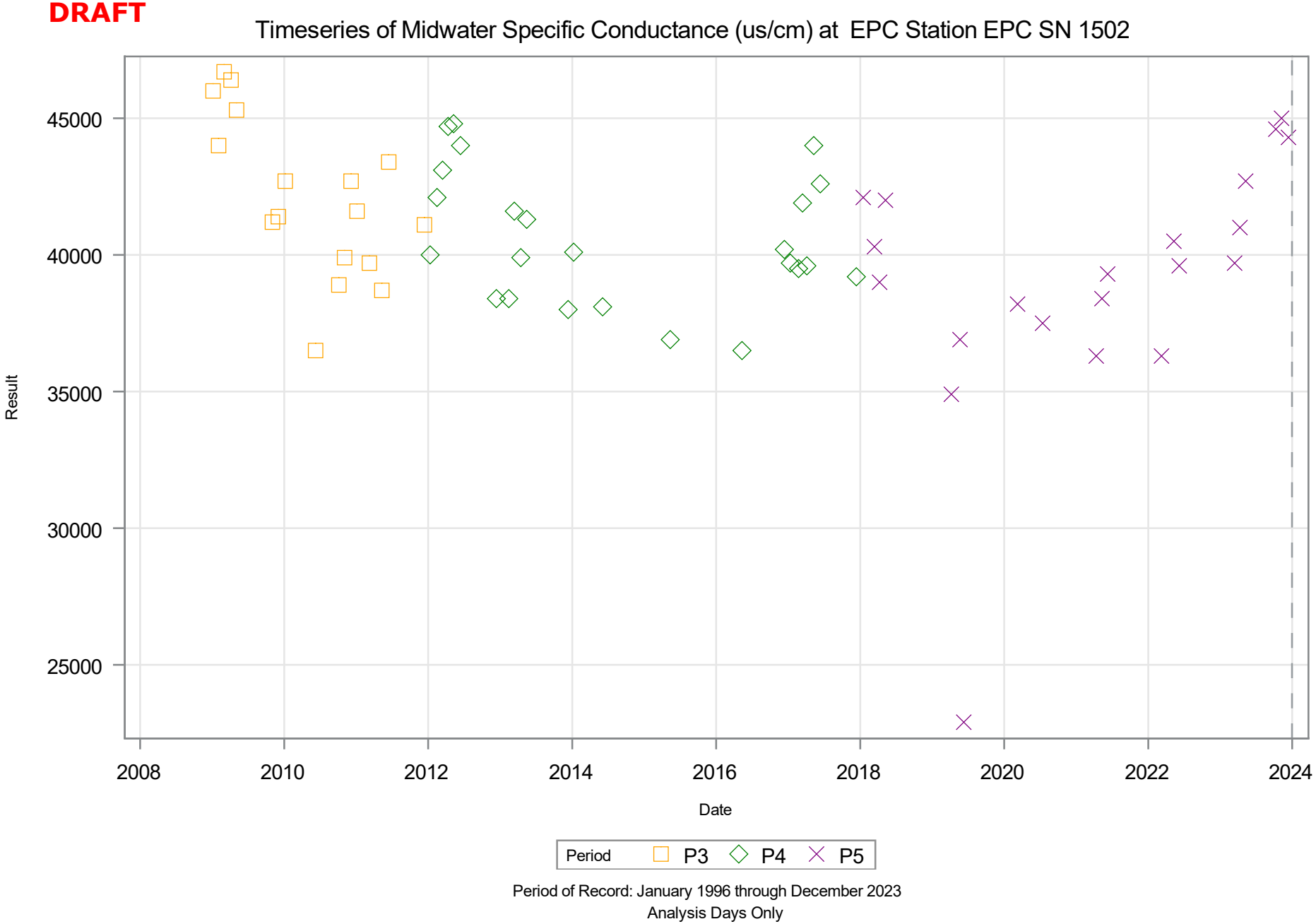
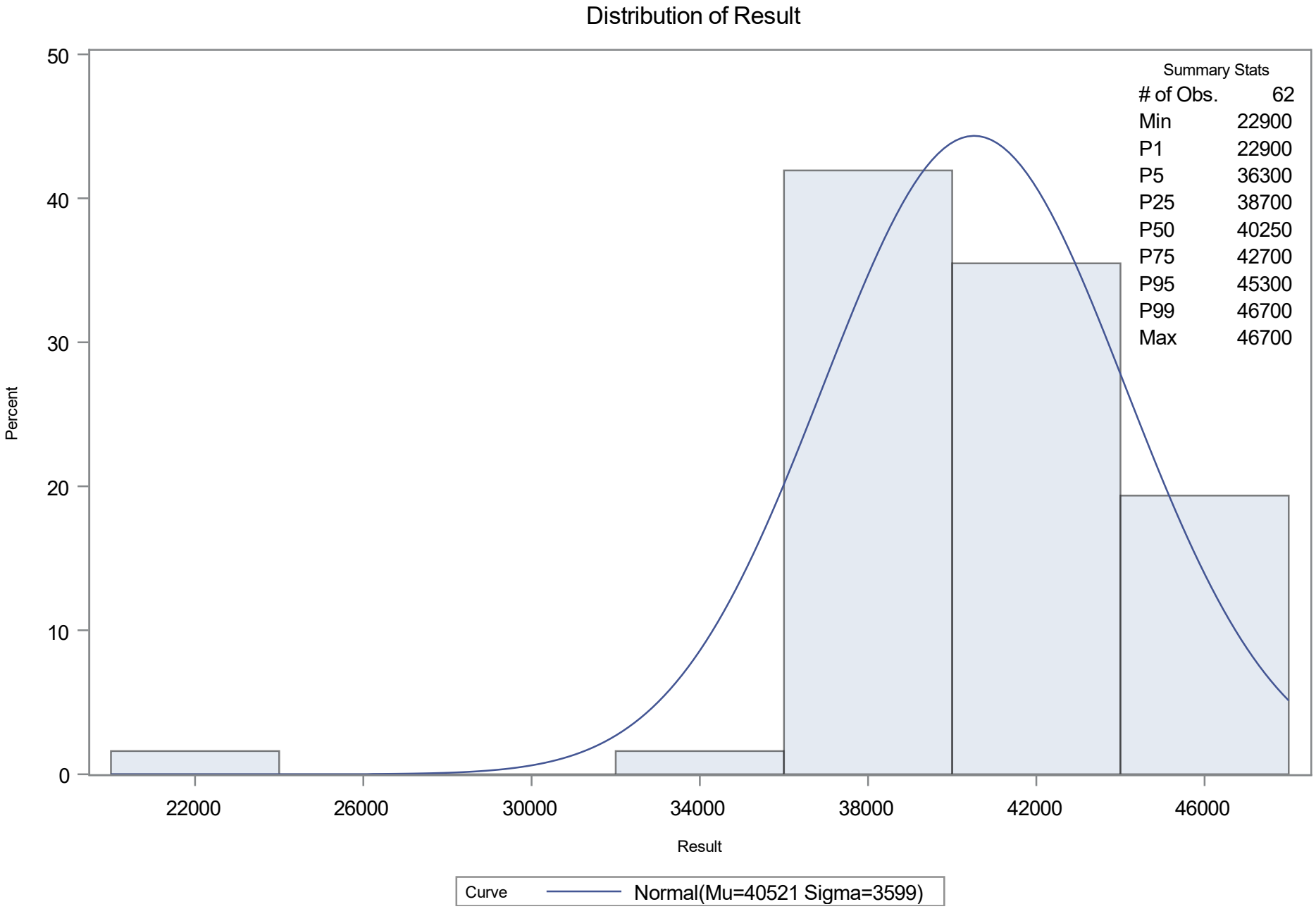

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1502
Result
47500
45000
42500
40000
37500
35000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1502
Result
45000
40000
35000
30000
25000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	40520.97
Std Dev	Sigma	3599.004

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09665795	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09713908	**Pr > W-Sq**	0.123
Anderson-Darling	**A-Sq**	0.87023156	**Pr > A-Sq**	0.024

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22900.0	32148.4
5.0	36300.0	34601.1
10.0	36900.0	35908.7
25.0	38700.0	38093.5
50.0	40250.0	40521.0
75.0	42700.0	42948.5
90.0	44700.0	45133.3
95.0	45300.0	46440.8
99.0	46700.0	48893.5

Period of Record: January 1996 through December 2023
Analysis Days Only

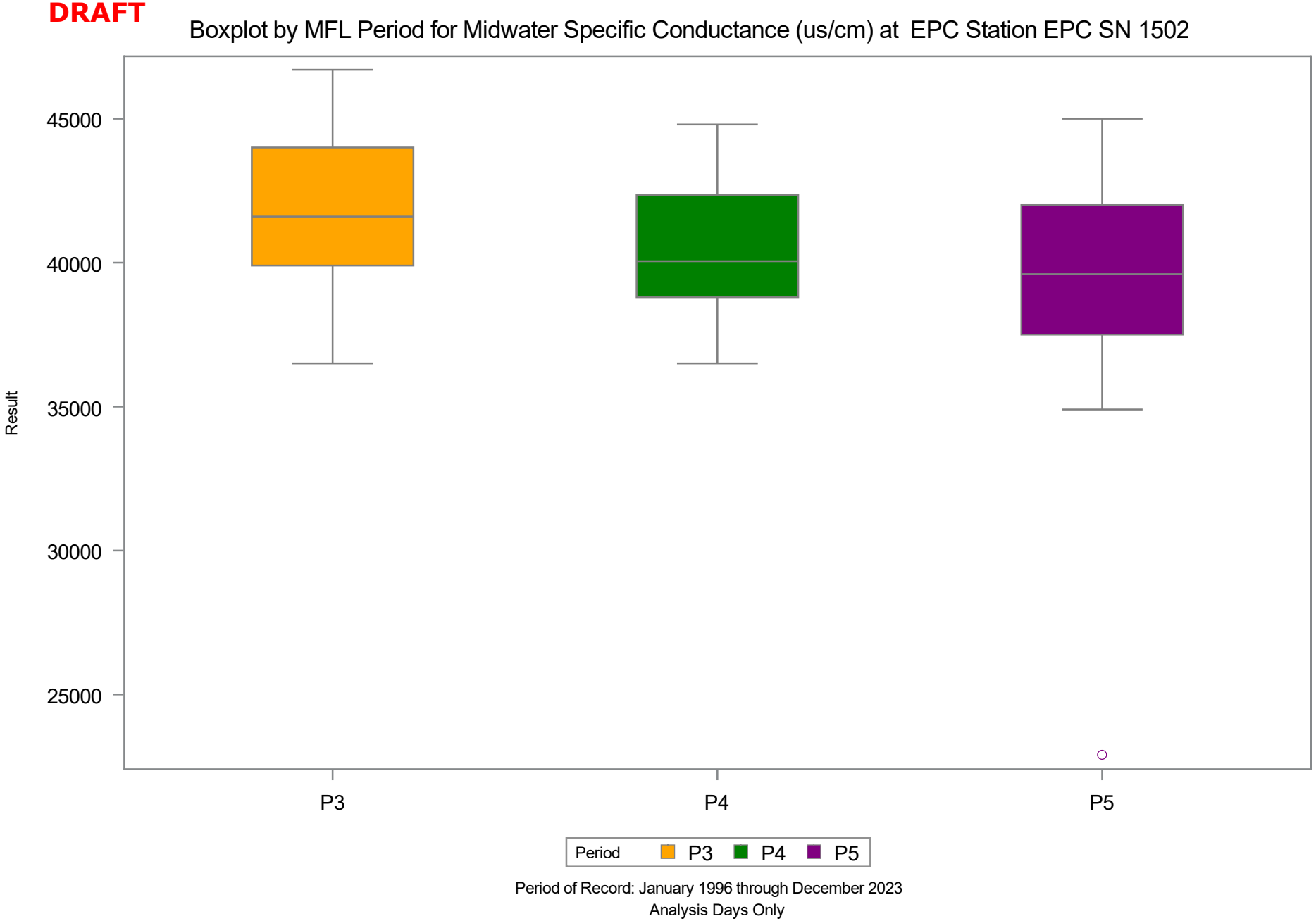
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1502

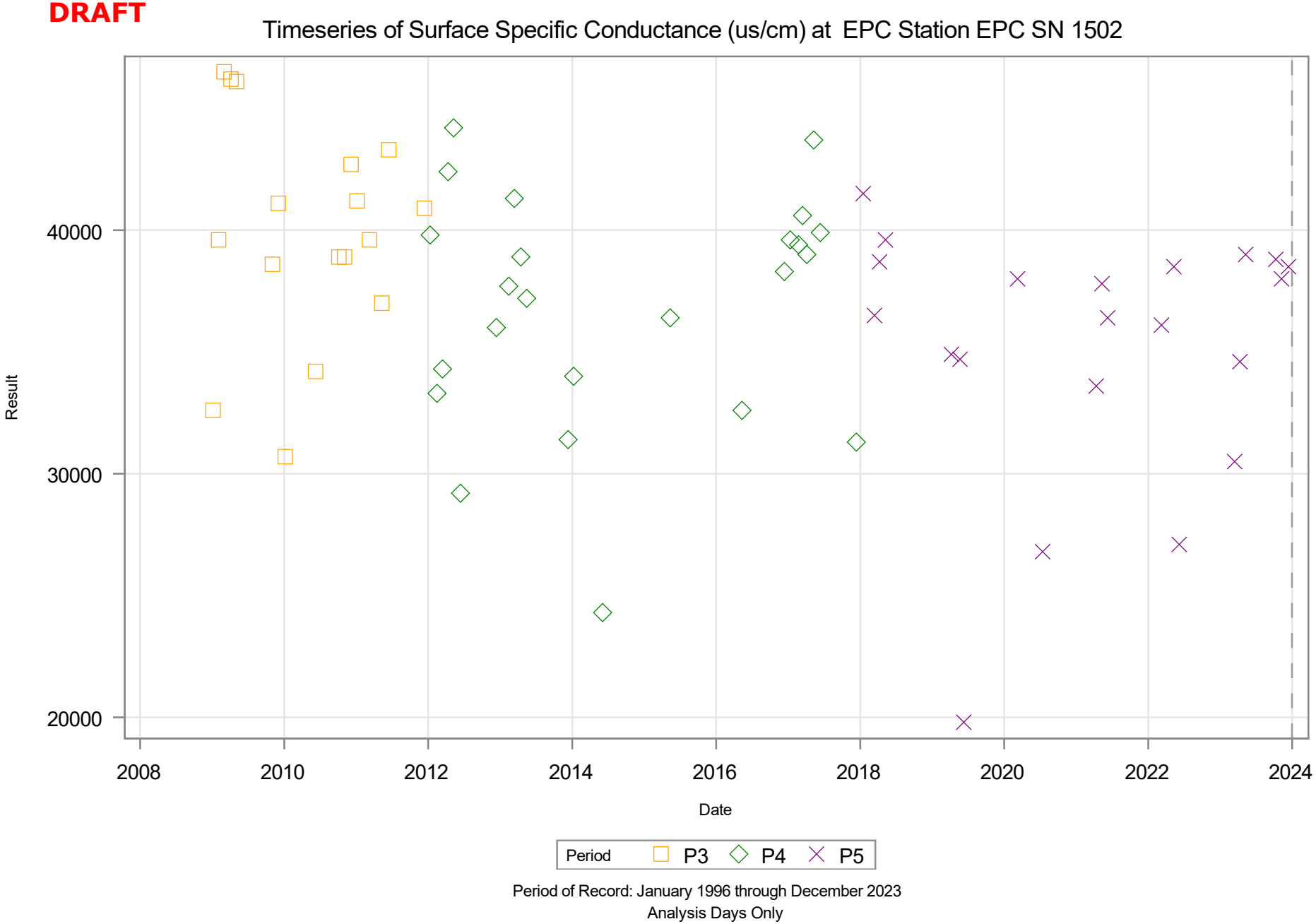
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	36500.00	39900.00	42129.41	41600.00	44000.00	46700.00
P4	24	36500.00	38800.00	40608.33	40050.00	42350.00	44800.00
P5	21	22900.00	37500.00	39119.05	39600.00	42000.00	45000.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

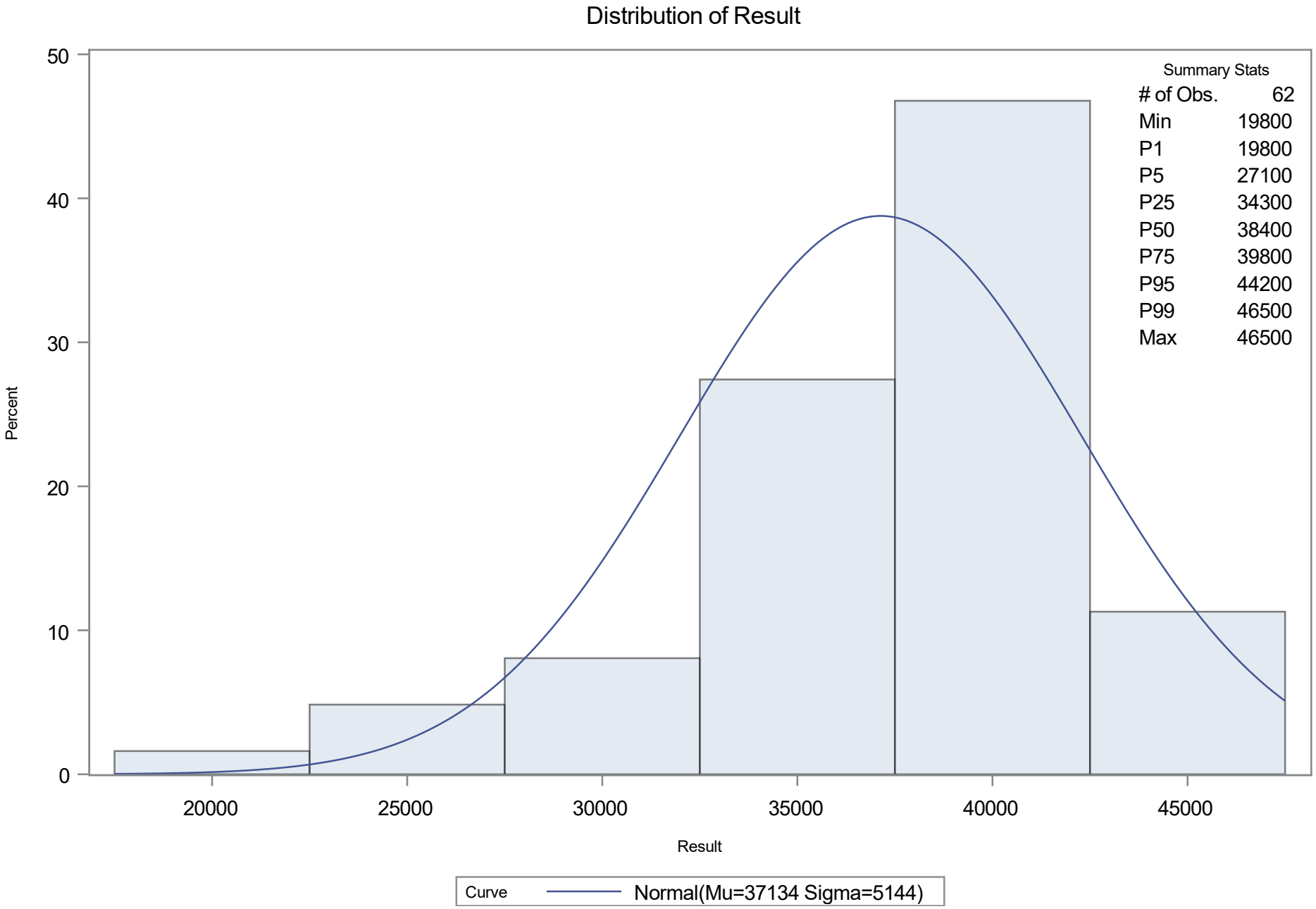

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1502
Result
45000
40000
35000
30000
25000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1502
Result
40000
30000
20000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	37133.87
Std Dev	Sigma	5143.99

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12446284	**Pr > D**	0.018
Cramer-von Mises	**W-Sq**	0.19031706	**Pr > W-Sq**	0.007
Anderson-Darling	**A-Sq**	1.01079298	**Pr > A-Sq**	0.011

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19800.0	25167.2
5.0	27100.0	28672.8
10.0	30700.0	30541.6
25.0	34300.0	33664.3
50.0	38400.0	37133.9
75.0	39800.0	40603.4
90.0	42700.0	43726.2
95.0	44200.0	45595.0
99.0	46500.0	49100.6

Period of Record: January 1996 through December 2023
Analysis Days Only

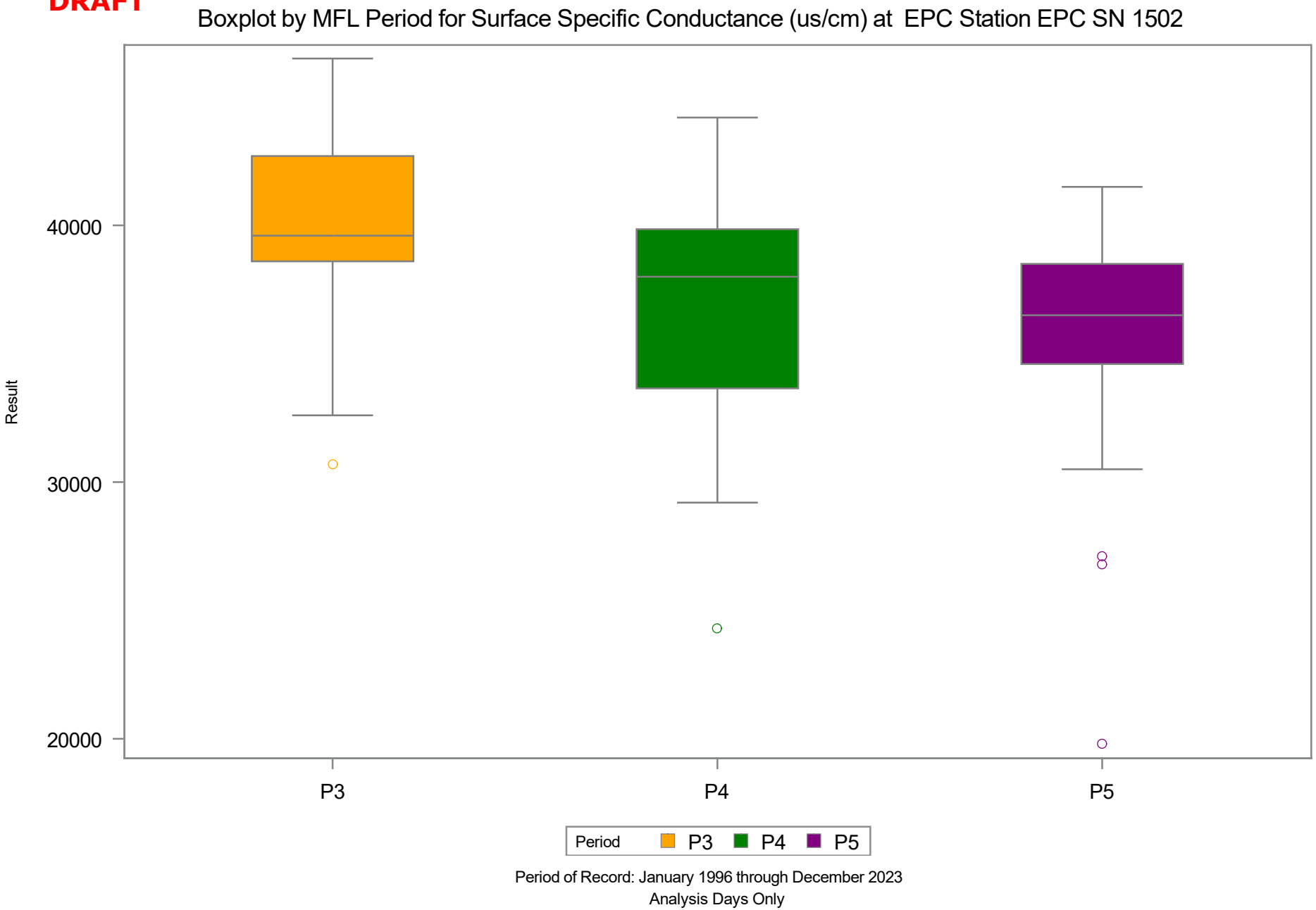
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1502

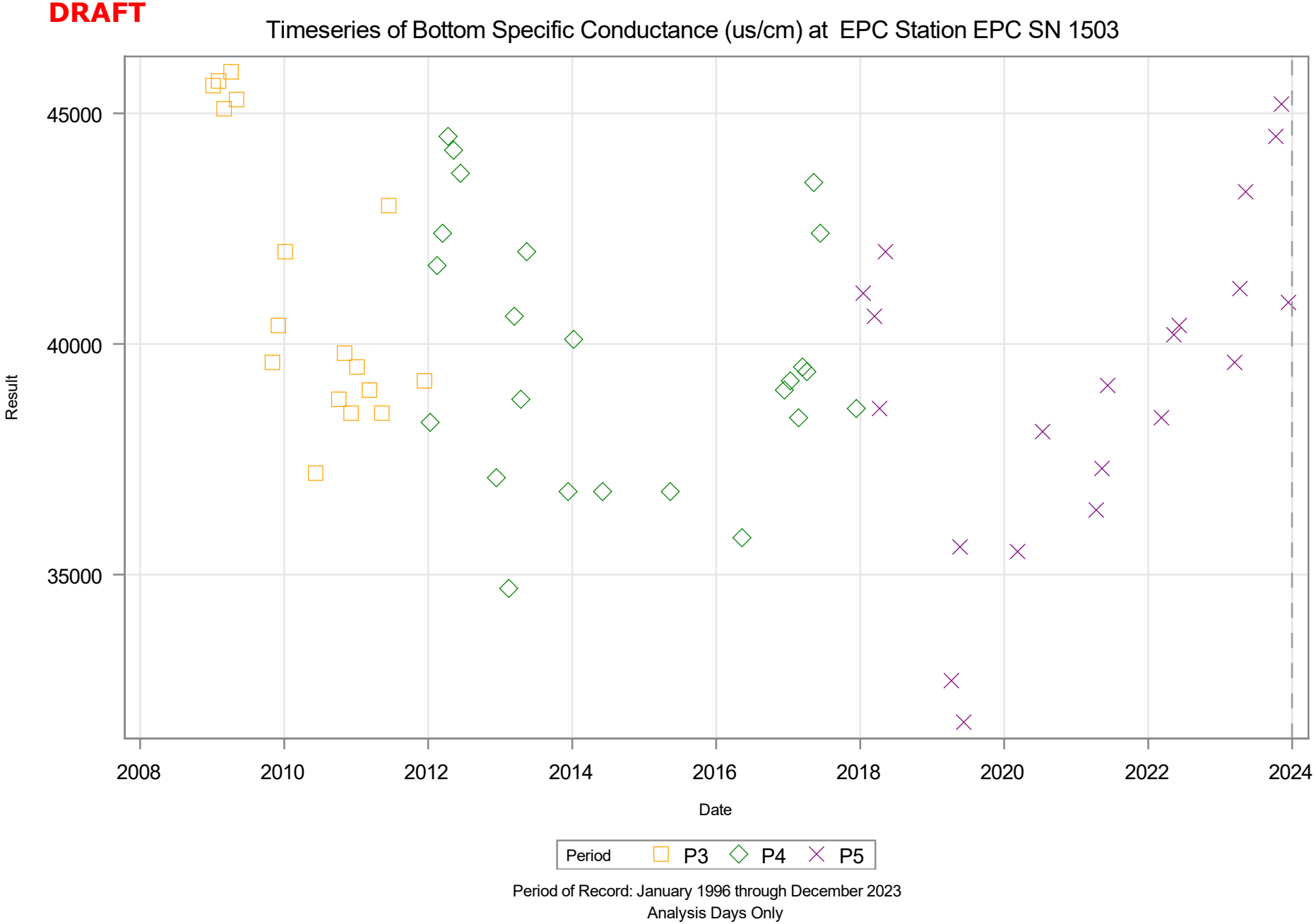
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	30700.00	38600.00	39888.24	39600.00	42700.00	46500.00
P4	24	24300.00	33650.00	36866.67	38000.00	39850.00	44200.00
P5	21	19800.00	34600.00	35209.52	36500.00	38500.00	41500.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

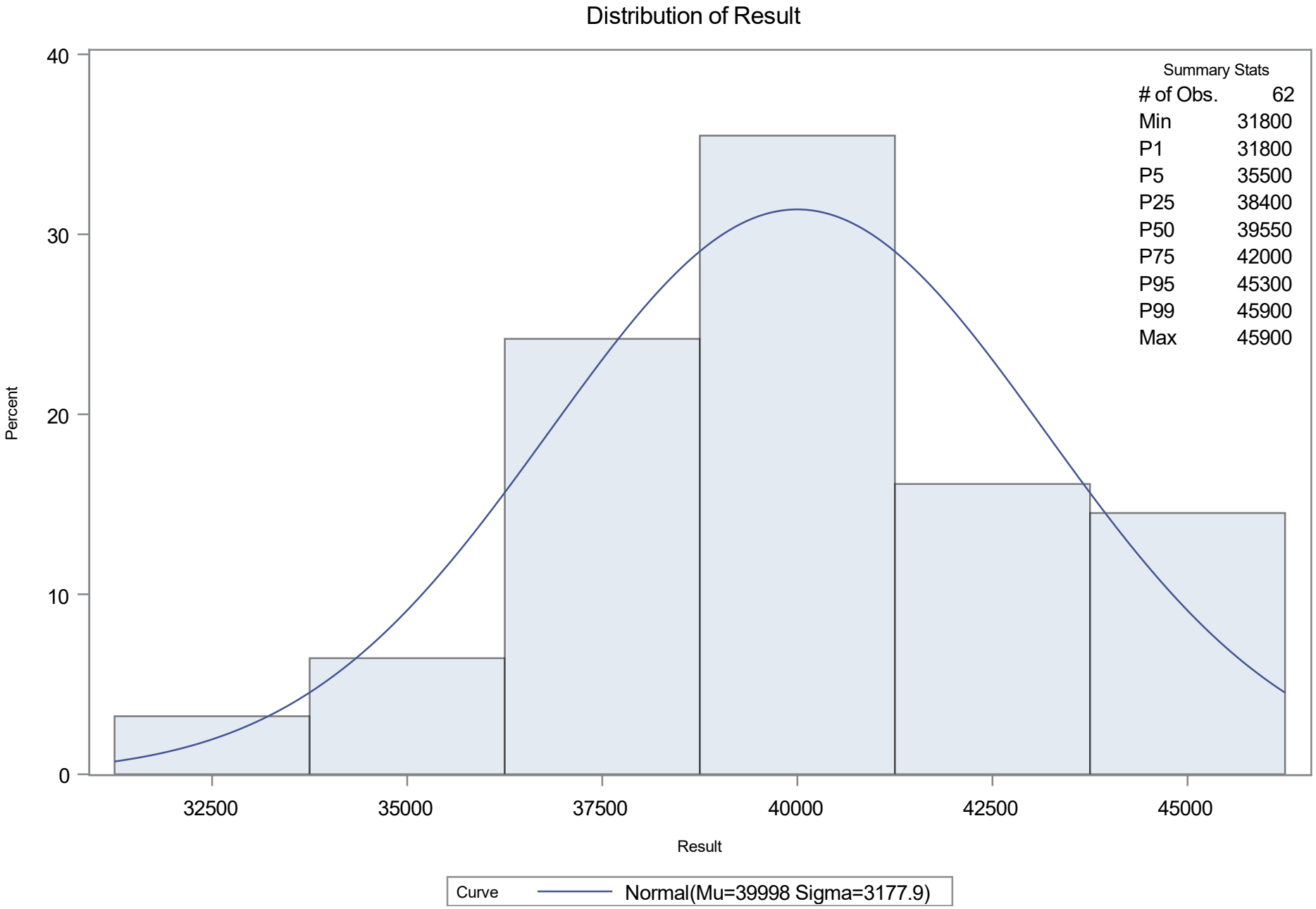

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1502
Result
40000
30000
20000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1503
Result
45000
40000
35000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	39998.39
Std Dev	Sigma	3177.92

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08213916	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07180096	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44903211	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	31800.0	32605.4
5.0	35500.0	34771.2
10.0	36400.0	35925.7
25.0	38400.0	37854.9
50.0	39550.0	39998.4
75.0	42000.0	42141.9
90.0	44500.0	44071.1
95.0	45300.0	45225.6
99.0	45900.0	47391.3

Period of Record: January 1996 through December 2023
Analysis Days Only

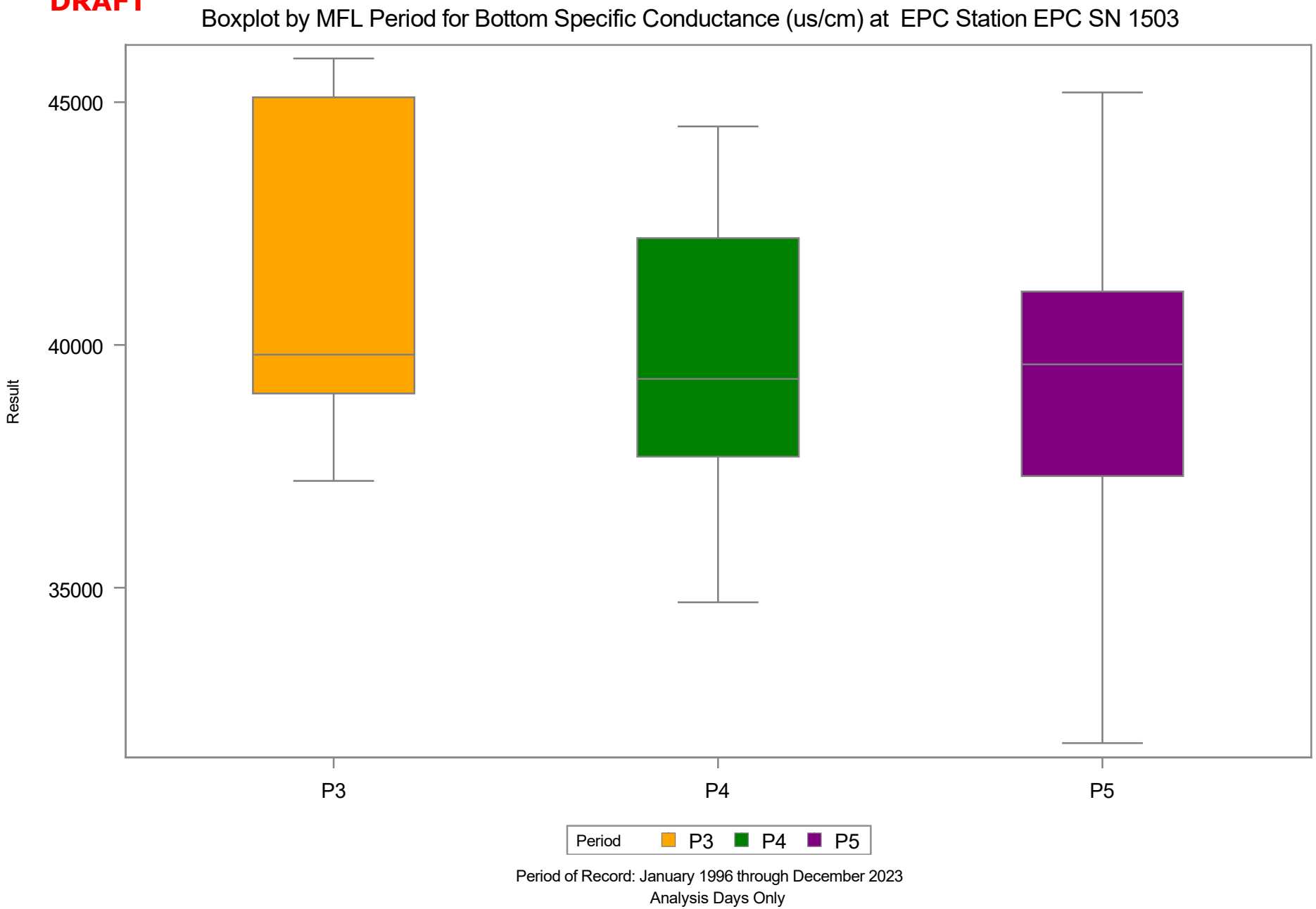
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1503

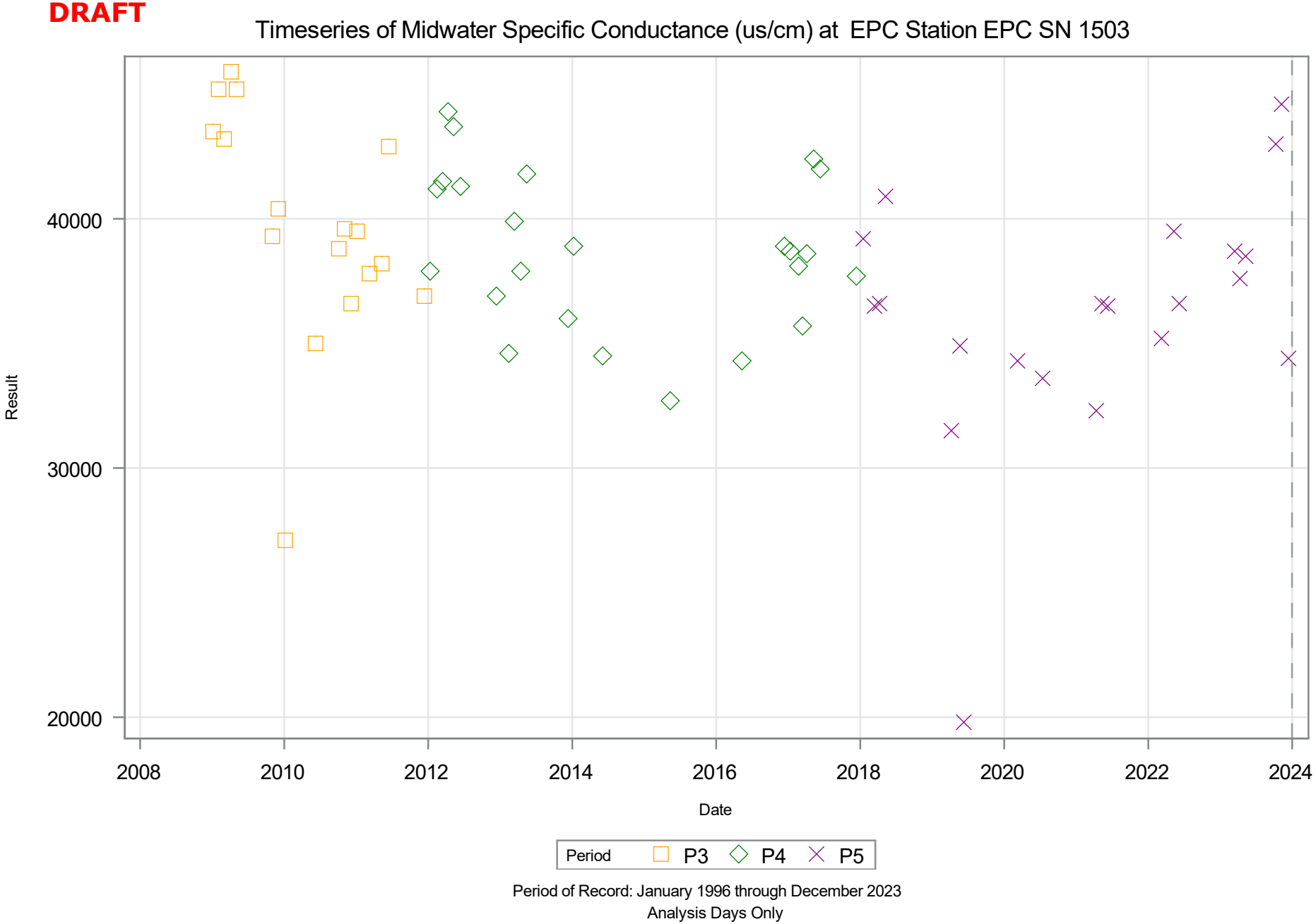
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	37200.00	39000.00	41358.82	39800.00	45100.00	45900.00
P4	24	34700.00	37700.00	39762.50	39300.00	42200.00	44500.00
P5	21	31800.00	37300.00	39166.67	39600.00	41100.00	45200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

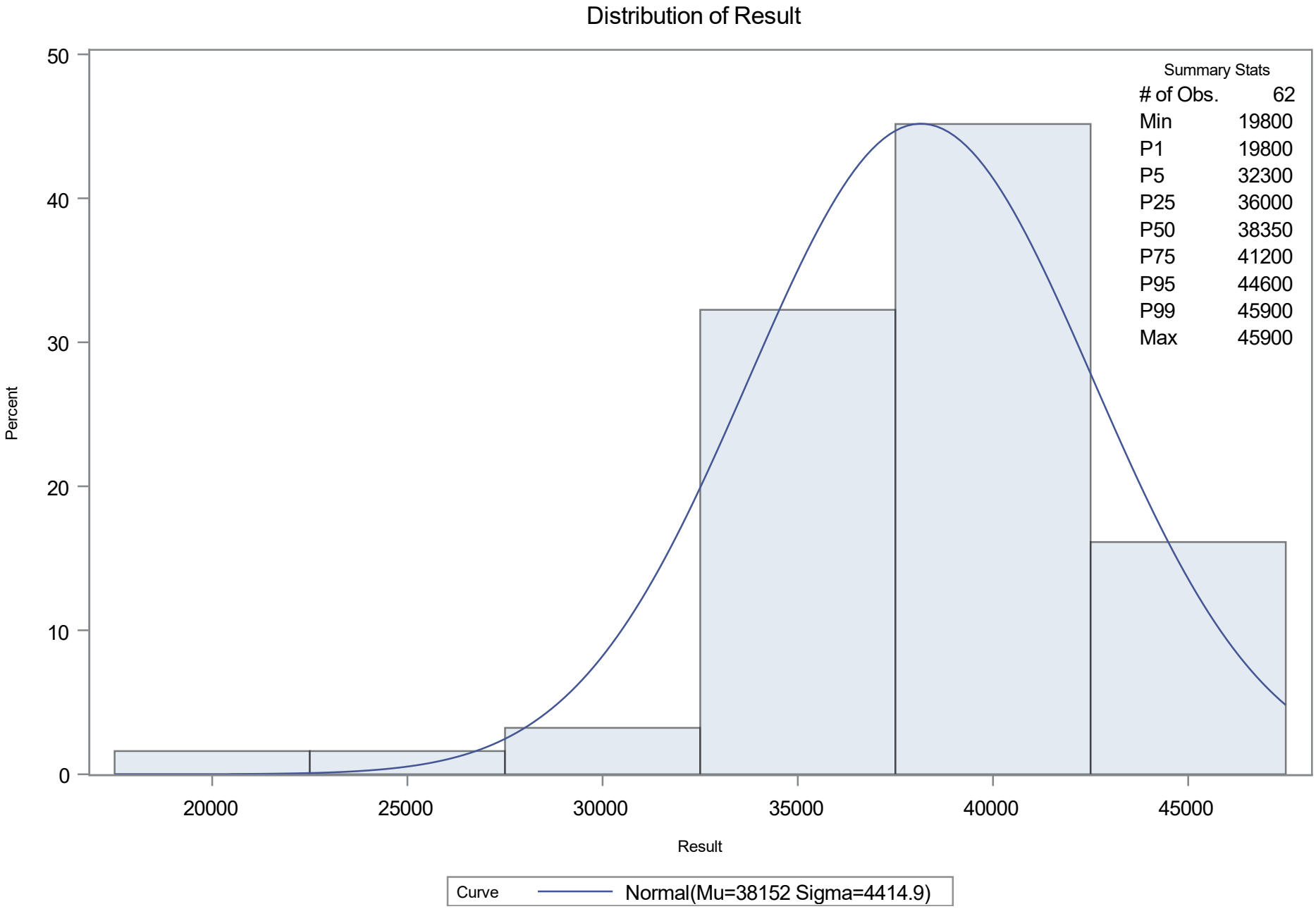

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1503
Result
45000
40000
35000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1503
Result
40000
30000
20000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	38151.61
Std Dev	Sigma	4414.868

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09609955	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08890398	**Pr > W-Sq**	0.158
Anderson-Darling	**A-Sq**	0.68988817	**Pr > A-Sq**	0.072

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19800.0	27881.1
5.0	32300.0	30889.8
10.0	34300.0	32493.7
25.0	36000.0	35173.8
50.0	38350.0	38151.6
75.0	41200.0	41129.4
90.0	43500.0	43809.5
95.0	44600.0	45413.4
99.0	45900.0	48422.1

Period of Record: January 1996 through December 2023
Analysis Days Only

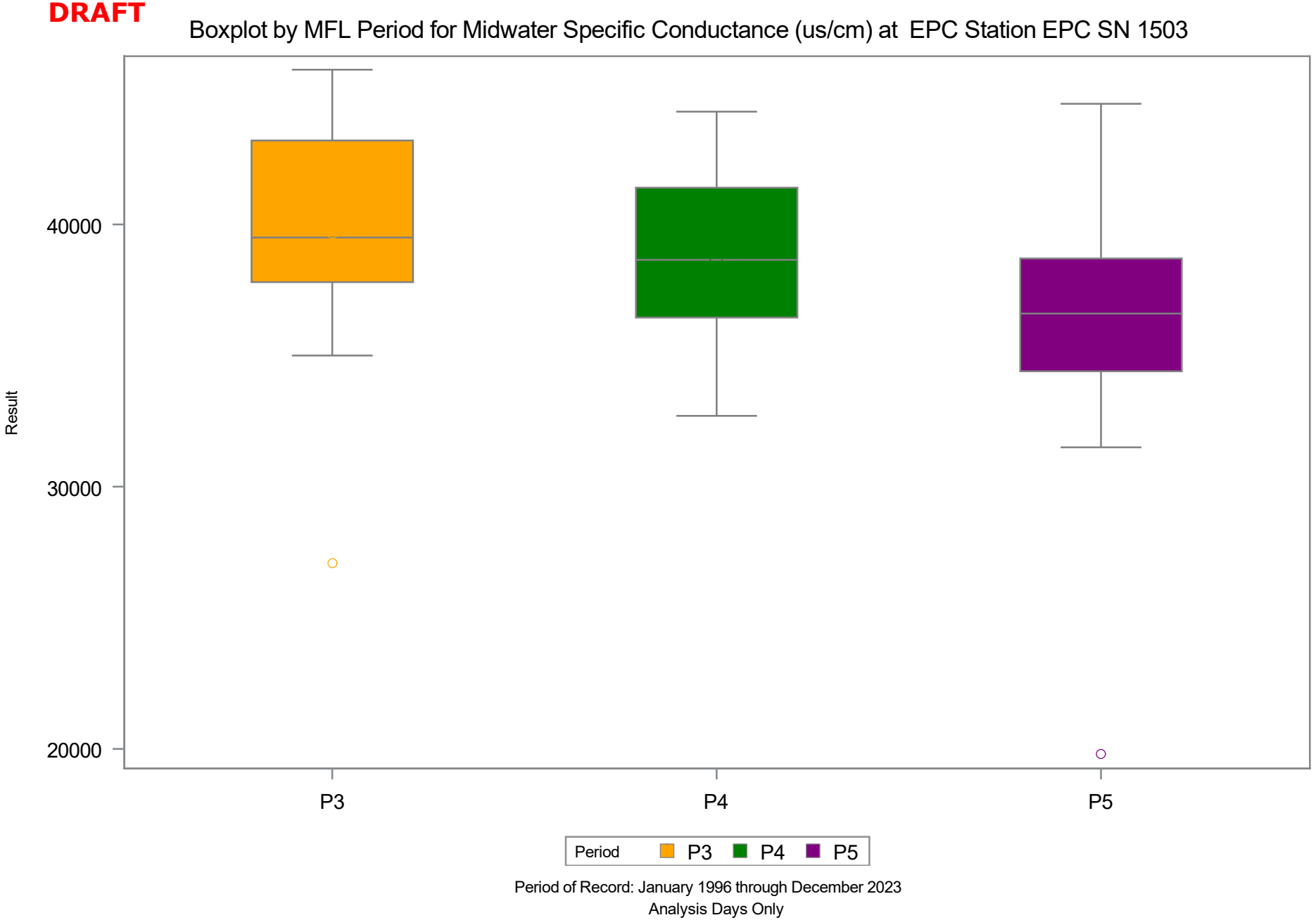
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1503

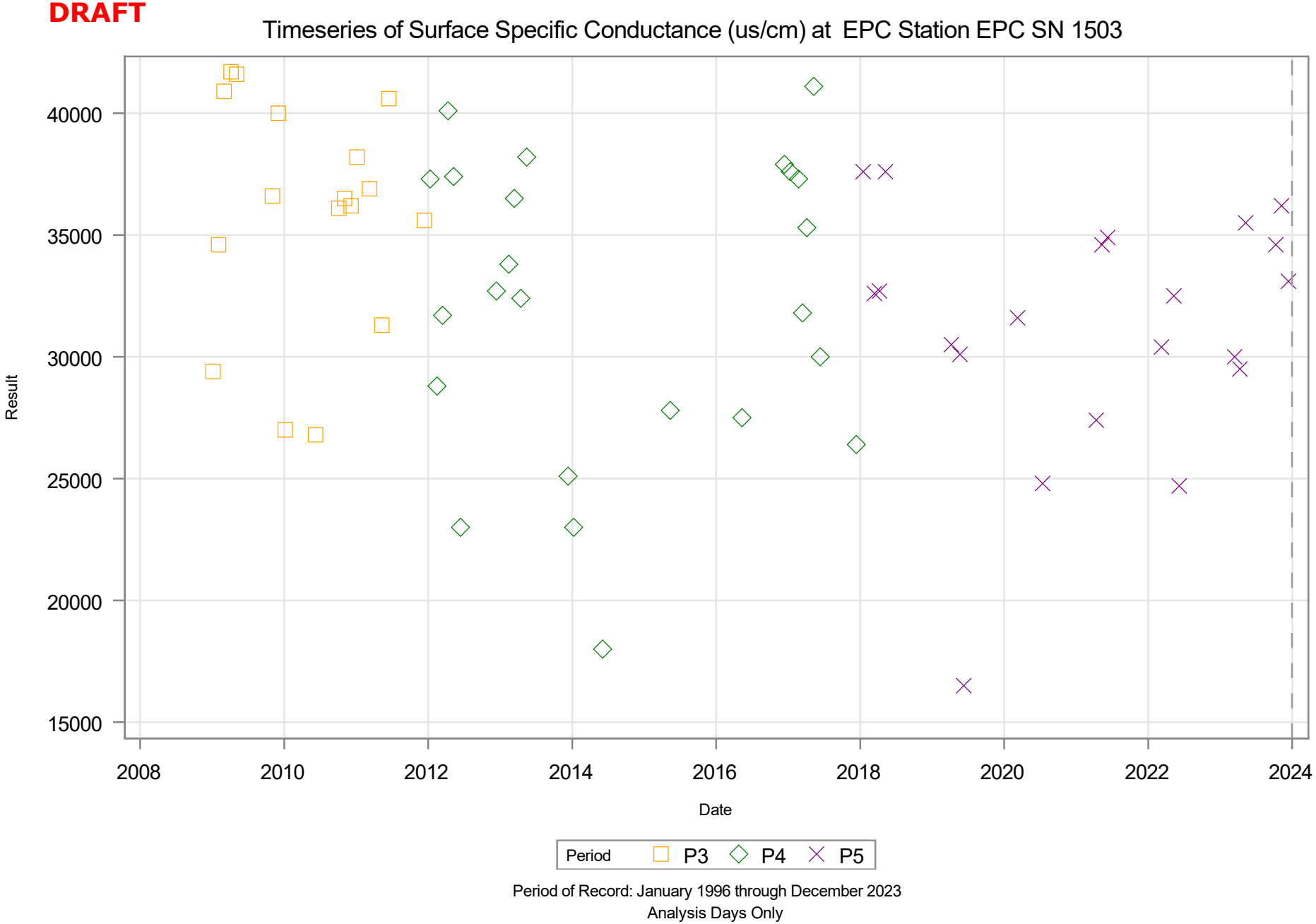
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	27100.00	37800.00	39711.76	39500.00	43200.00	45900.00
P4	24	32700.00	36450.00	38729.17	38650.00	41400.00	44300.00
P5	21	19800.00	34400.00	36228.57	36600.00	38700.00	44600.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

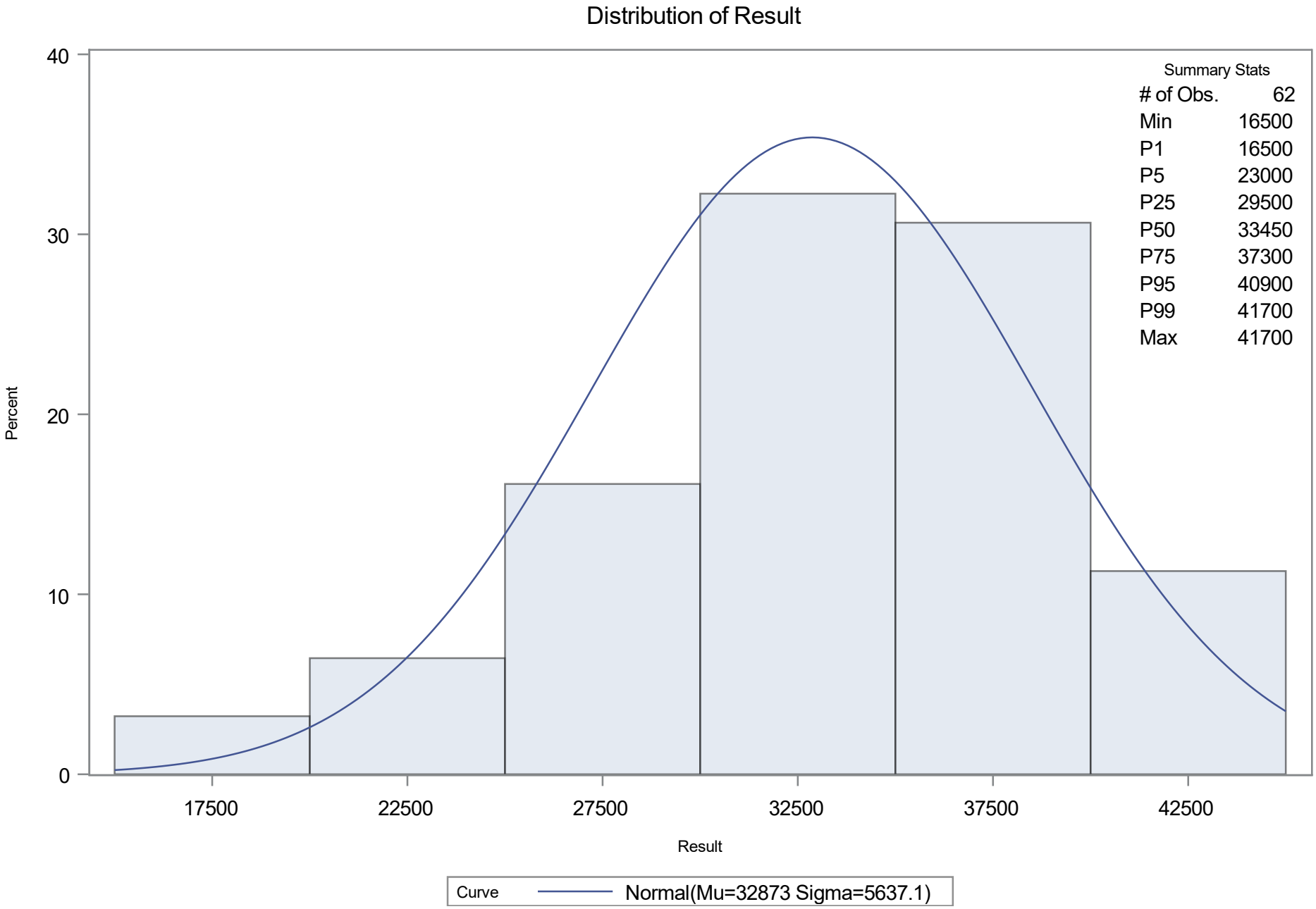

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1503
Result
40000
30000
20000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1503
Result
40000
35000
30000
25000
20000
15000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	32872.58
Std Dev	Sigma	5637.089

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10423544	**Pr > D**	0.092
Cramer-von Mises	**W-Sq**	0.09931426	**Pr > W-Sq**	0.115
Anderson-Darling	**A-Sq**	0.64034863	**Pr > A-Sq**	0.093

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16500.0	19758.7
5.0	23000.0	23600.4
10.0	25100.0	25648.4
25.0	29500.0	29070.4
50.0	33450.0	32872.6
75.0	37300.0	36674.7
90.0	40000.0	40096.8
95.0	40900.0	42144.8
99.0	41700.0	45986.4

Period of Record: January 1996 through December 2023
Analysis Days Only

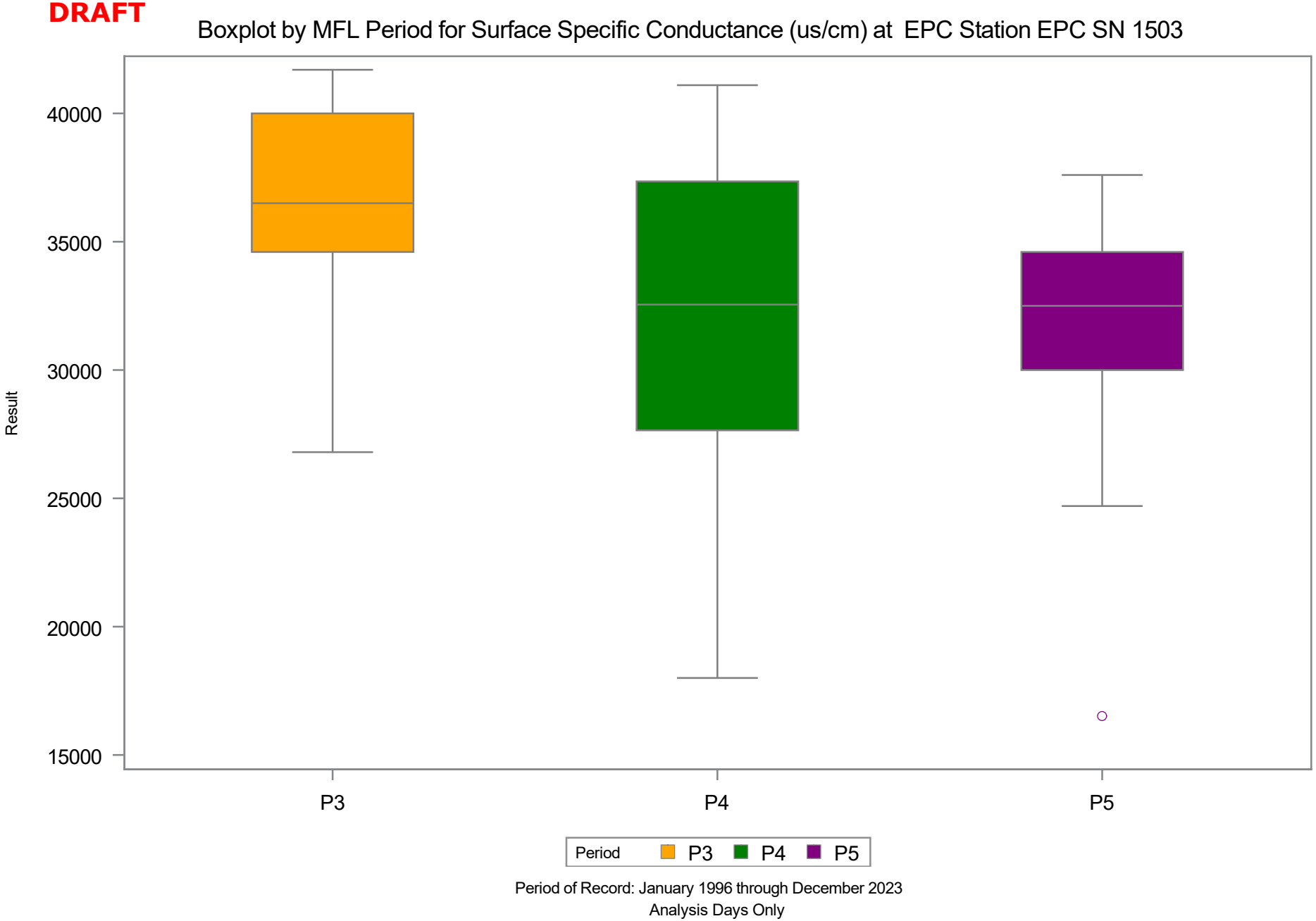
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1503

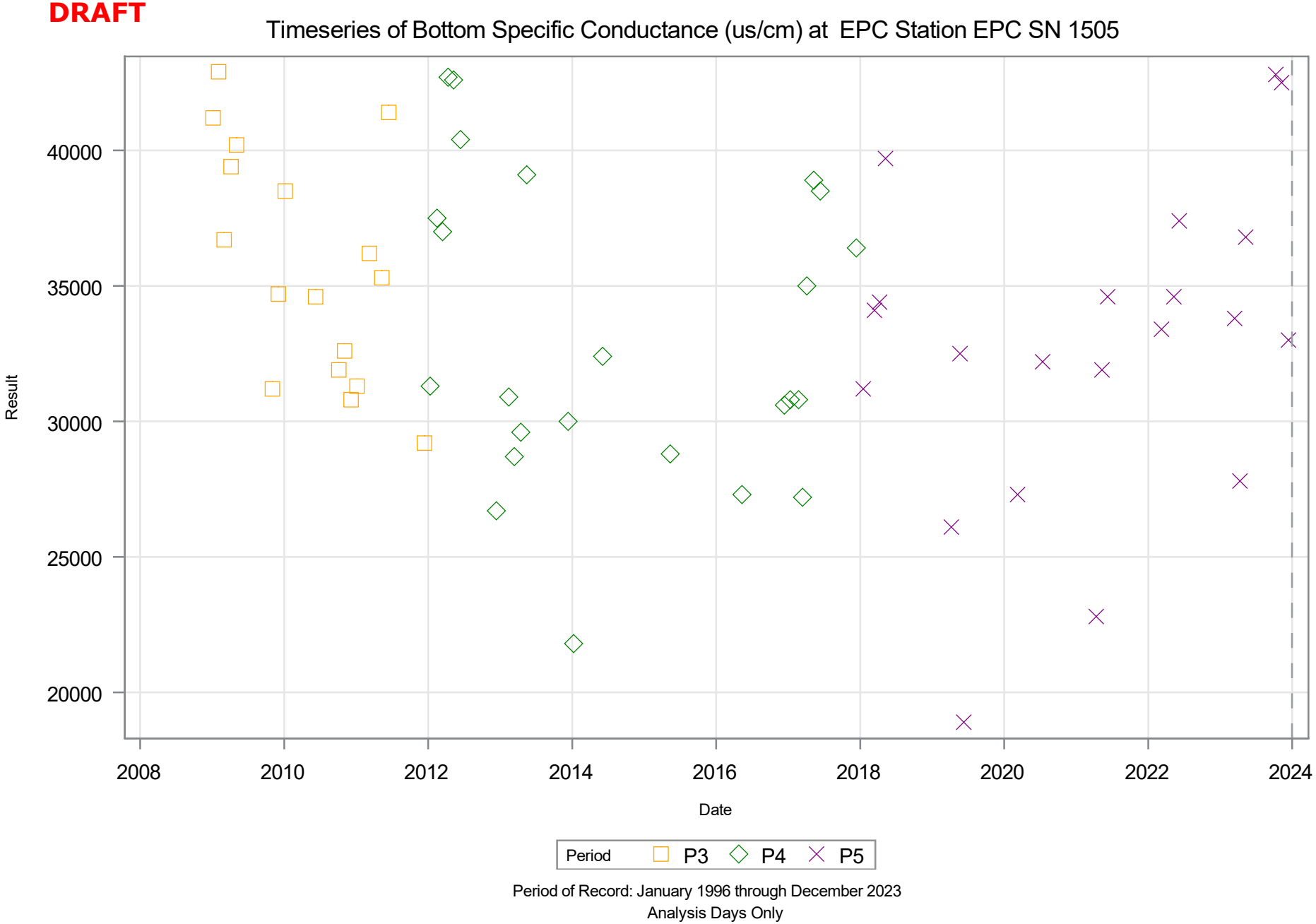
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	26800.00	34600.00	35882.35	36500.00	40000.00	41700.00
P4	24	18000.00	27650.00	32112.50	32550.00	37350.00	41100.00
P5	21	16500.00	30000.00	31304.76	32500.00	34600.00	37600.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

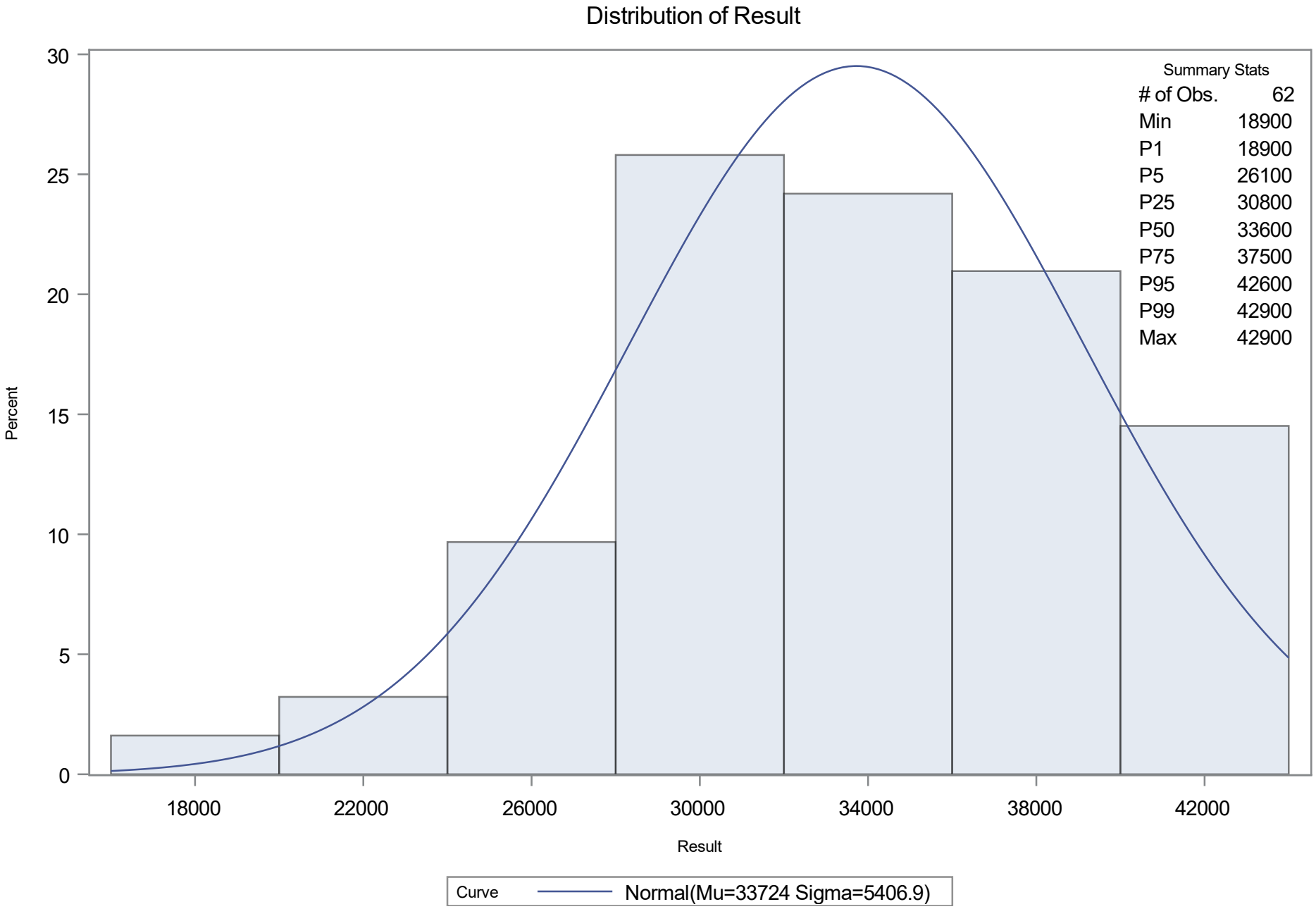

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1503
Result
40000
35000
30000
25000
20000
15000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1505
Result
40000
35000
30000
25000
20000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	33724.19
Std Dev	Sigma	5406.938

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05588908	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03321339	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28211598	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18900.0	21145.8
5.0	26100.0	24830.6
10.0	27300.0	26794.9
25.0	30800.0	30077.3
50.0	33600.0	33724.2
75.0	37500.0	37371.1
90.0	41200.0	40653.5
95.0	42600.0	42617.8
99.0	42900.0	46302.6

Period of Record: January 1996 through December 2023
Analysis Days Only

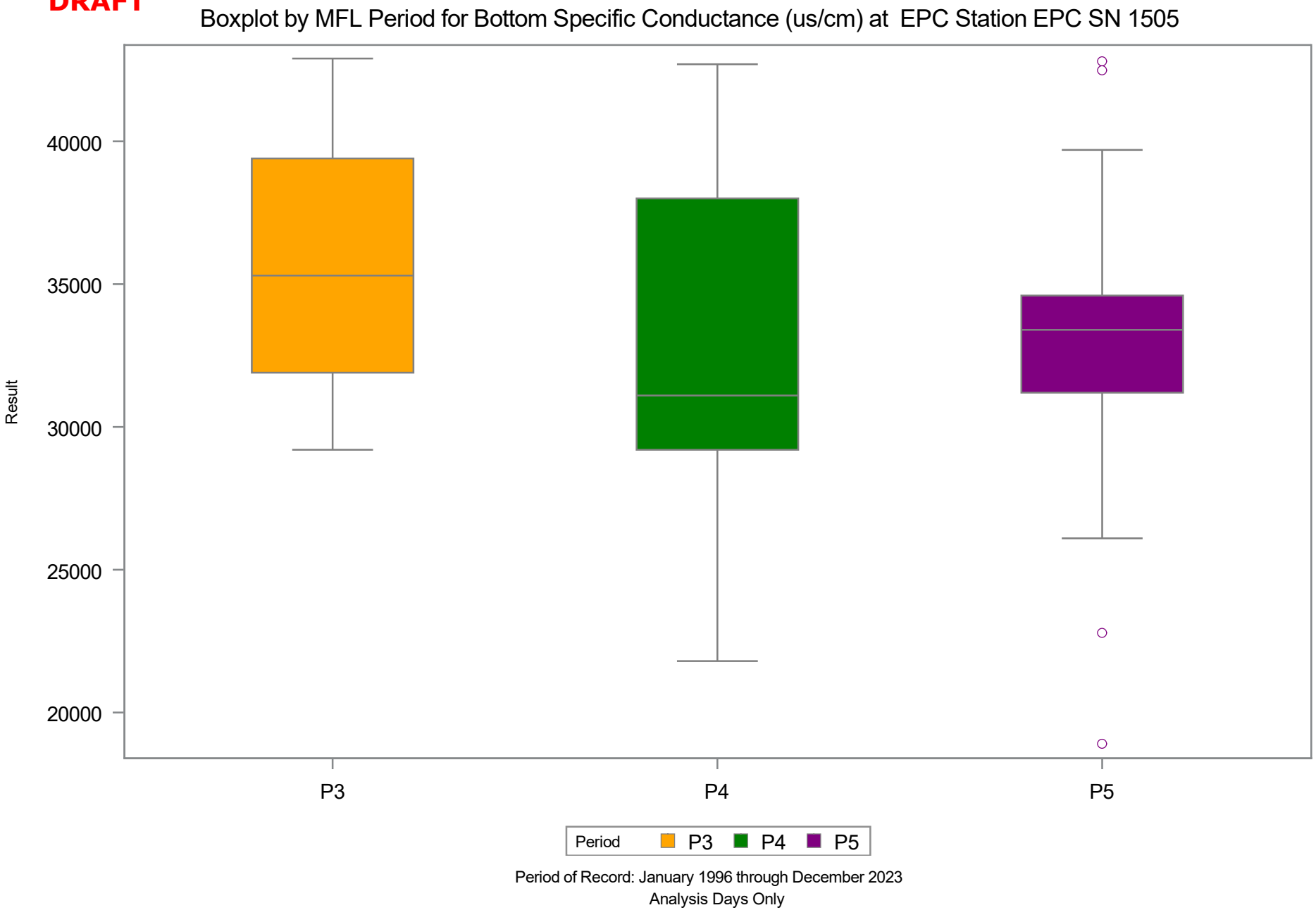
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1505

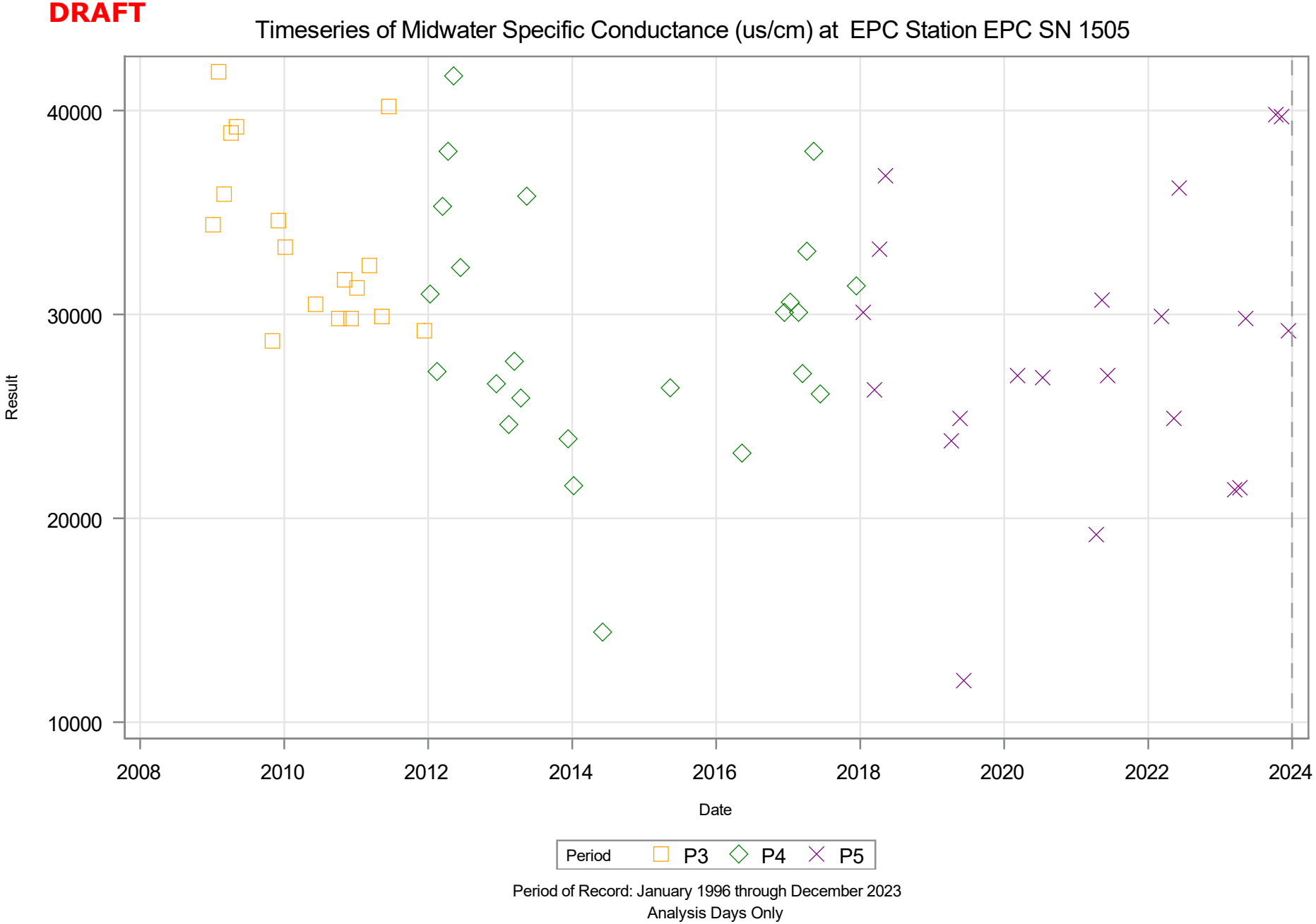
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	29200.00	31900.00	35770.59	35300.00	39400.00	42900.00
P4	24	21800.00	29200.00	33125.00	31100.00	38000.00	42700.00
P5	21	18900.00	31200.00	32752.38	33400.00	34600.00	42800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1505
Result
40000
35000
30000
25000
20000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

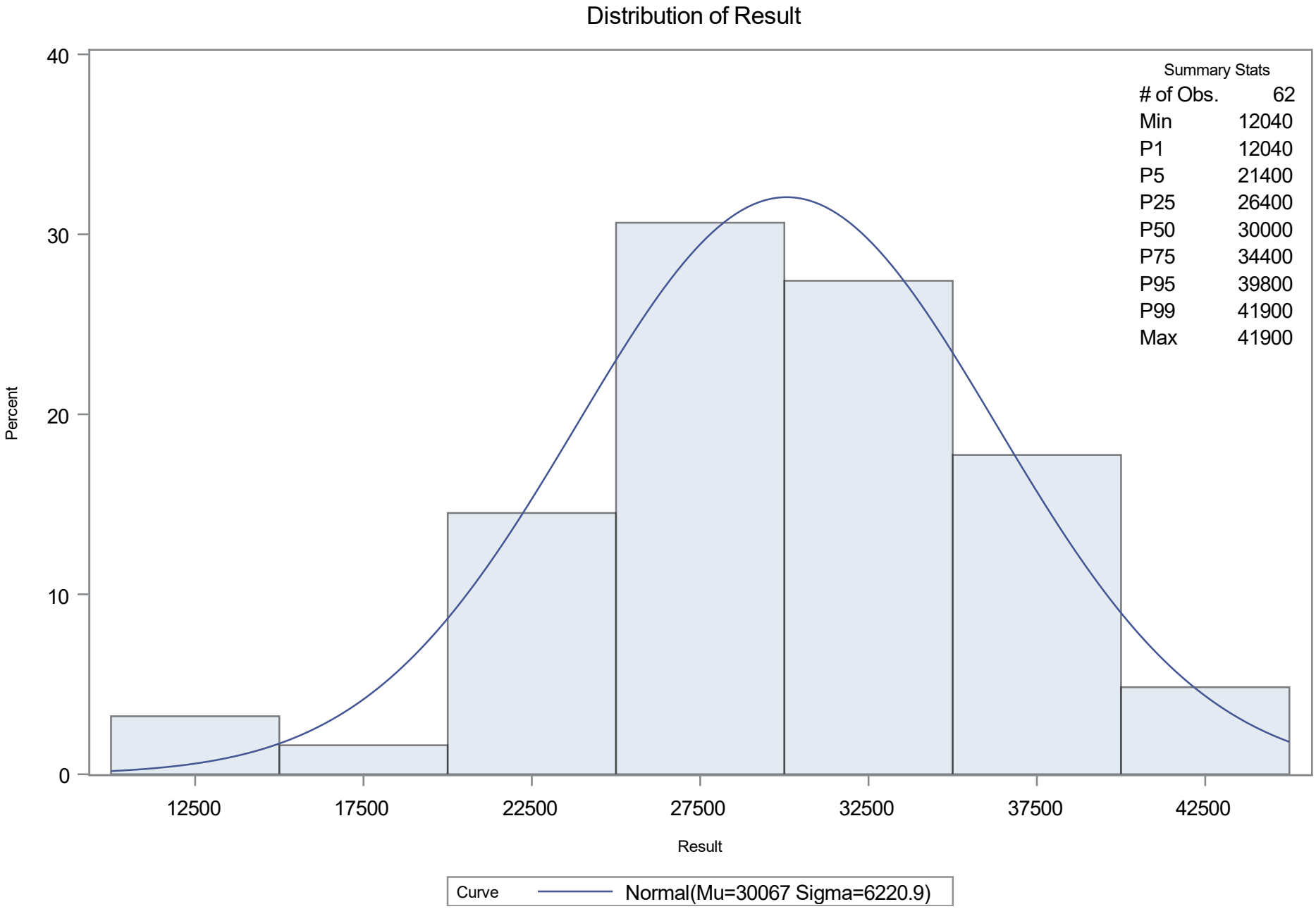
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	30067.1
Std Dev	Sigma	6220.944

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06352180	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05177485	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35198683	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12040.0	15595.0
5.0	21400.0	19834.6
10.0	23200.0	22094.6
25.0	26400.0	25871.1
50.0	30000.0	30067.1
75.0	34400.0	34263.1
90.0	38900.0	38039.6
95.0	39800.0	40299.6
99.0	41900.0	44539.2

Period of Record: January 1996 through December 2023
Analysis Days Only

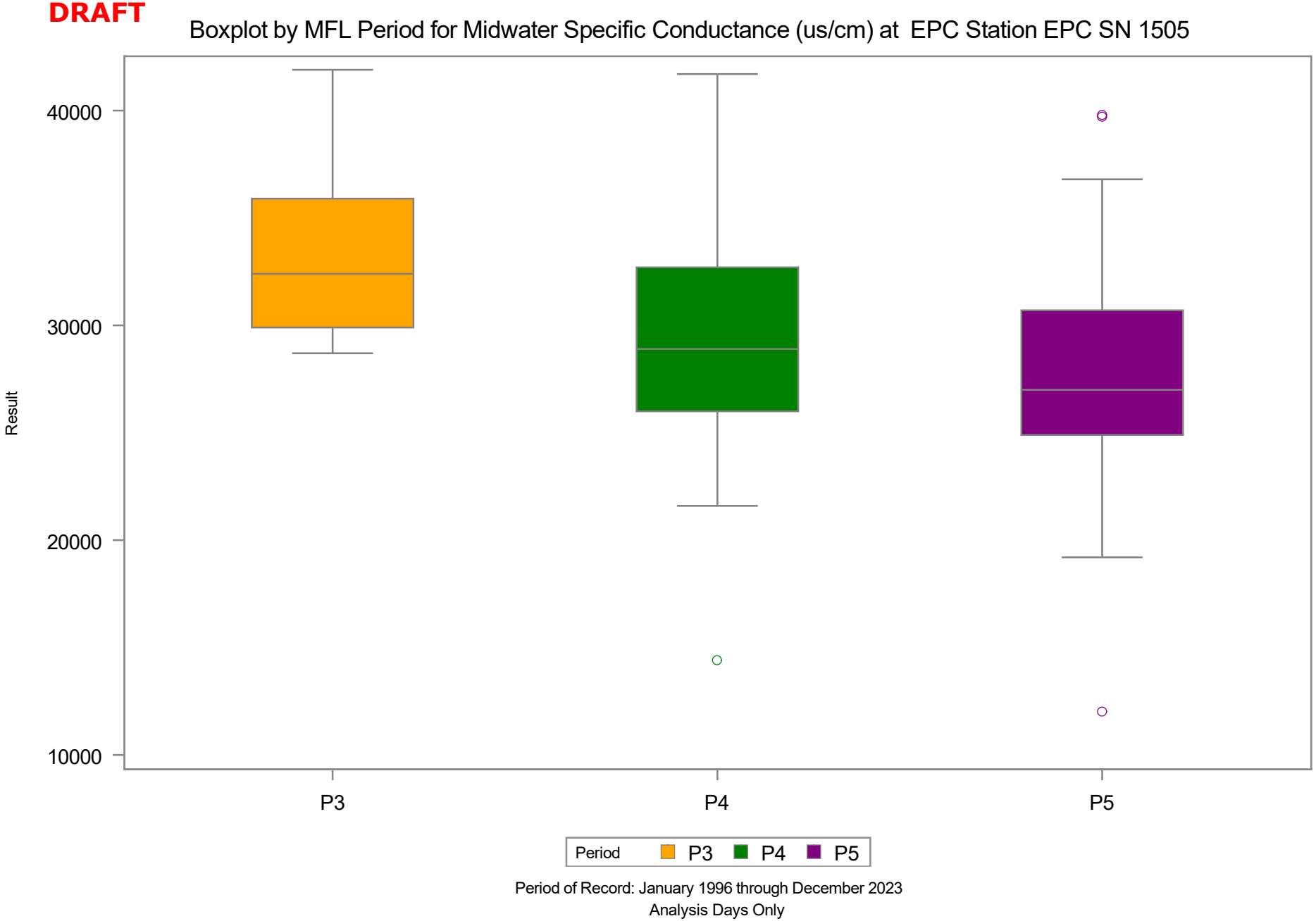
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1505

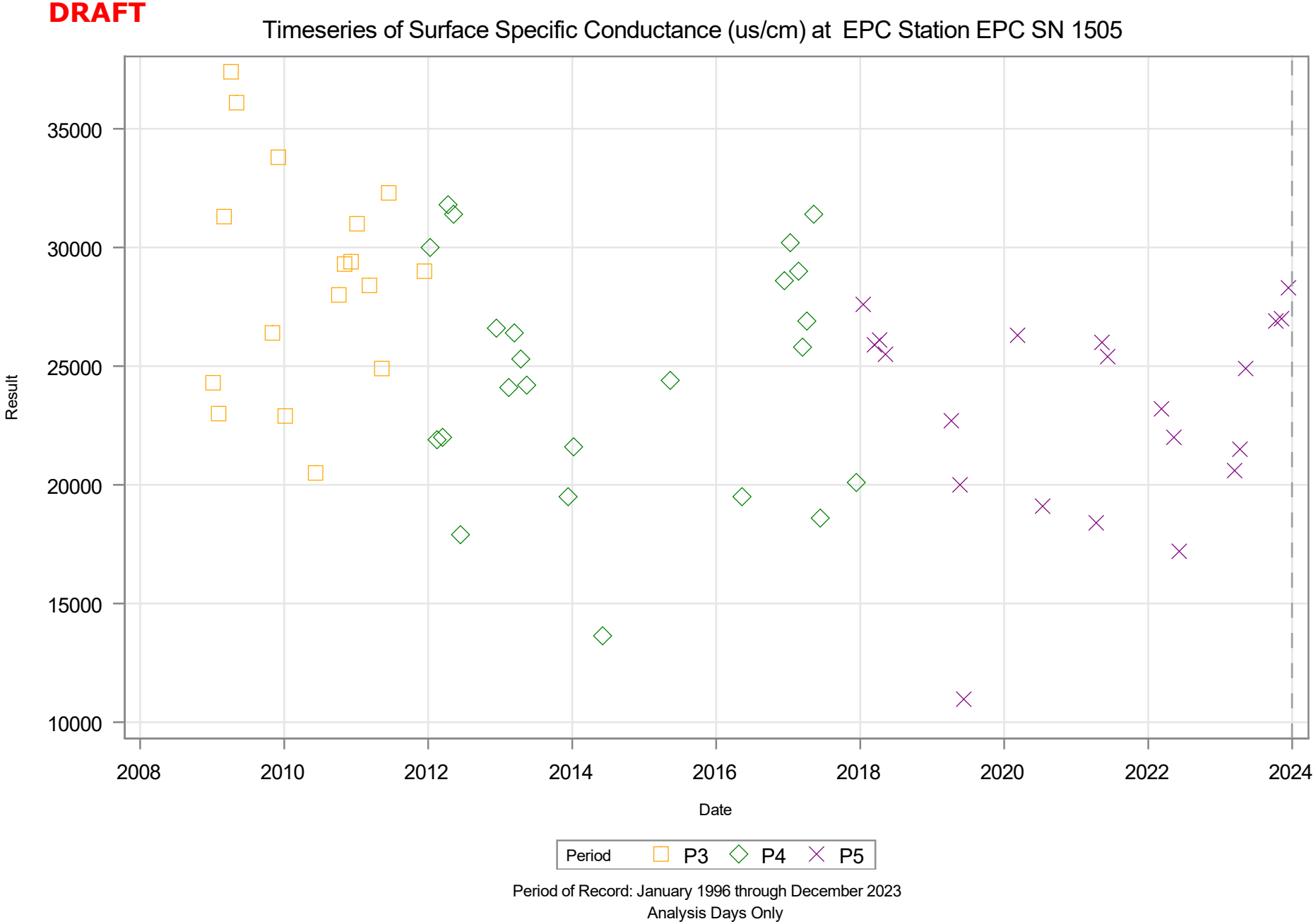
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	28700.00	29900.00	33629.41	32400.00	35900.00	41900.00
P4	24	14420.00	26000.00	29255.00	28900.00	32700.00	41700.00
P5	21	12040.00	24900.00	28111.43	27000.00	30700.00	39800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

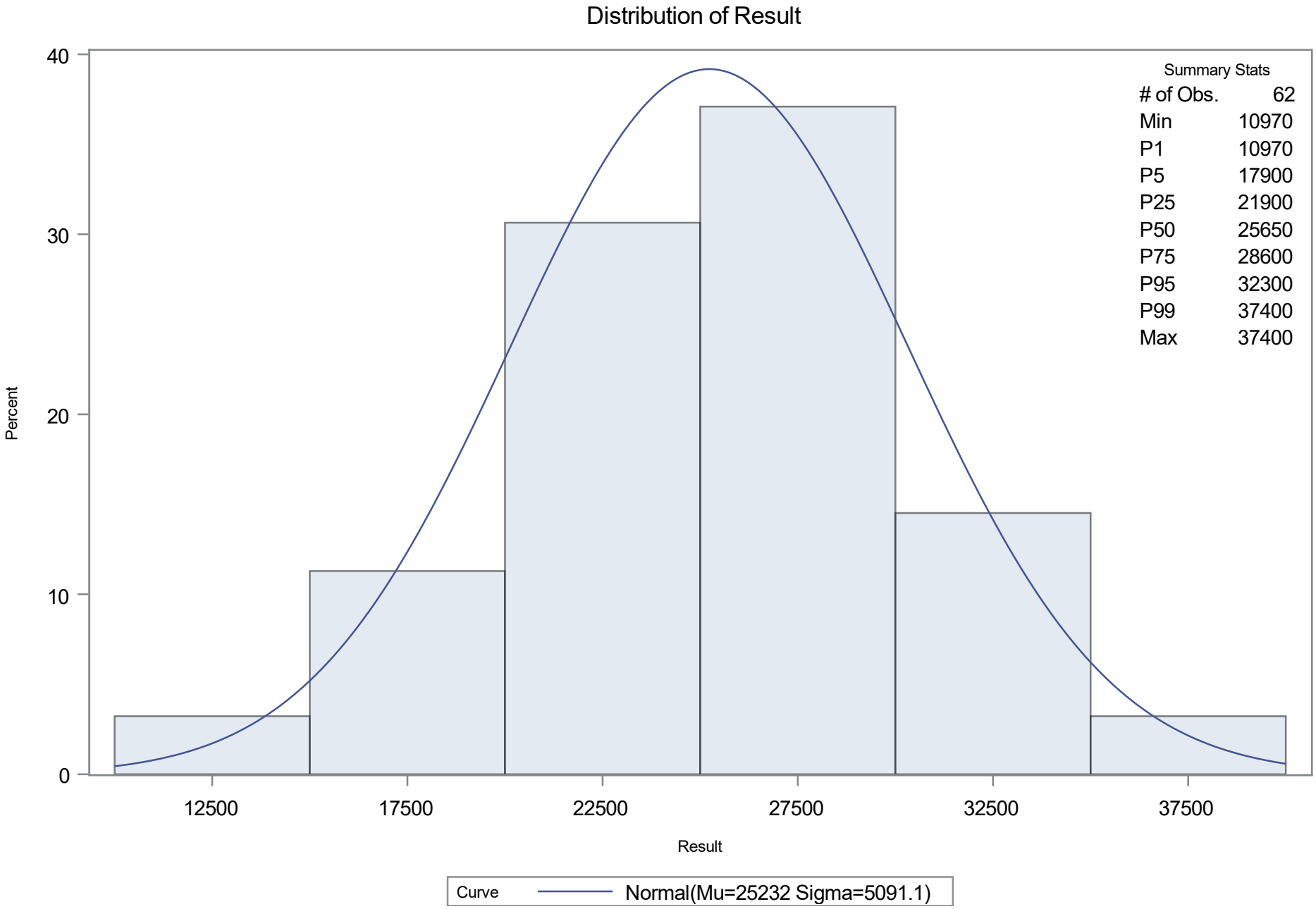

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1505
Result
40000
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1505
Result
35000
30000
25000
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25232.42
Std Dev	Sigma	5091.107

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05715052	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02550415	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.17286988	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10970.0	13388.7
5.0	17900.0	16858.3
10.0	19100.0	18707.9
25.0	21900.0	21798.5
50.0	25650.0	25232.4
75.0	28600.0	28666.3
90.0	31400.0	31756.9
95.0	32300.0	33606.5
99.0	37400.0	37076.1

Period of Record: January 1996 through December 2023
Analysis Days Only

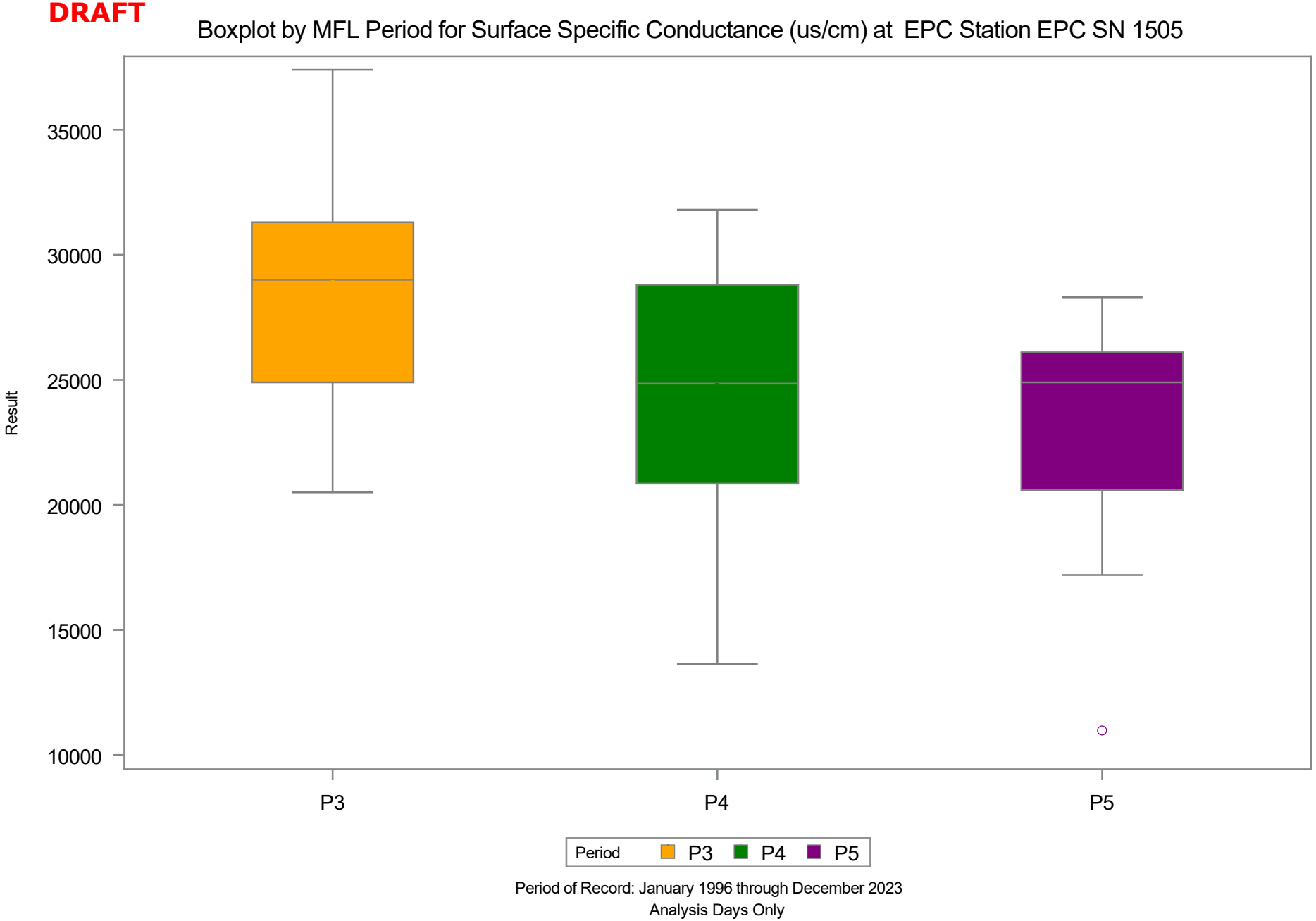
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1505

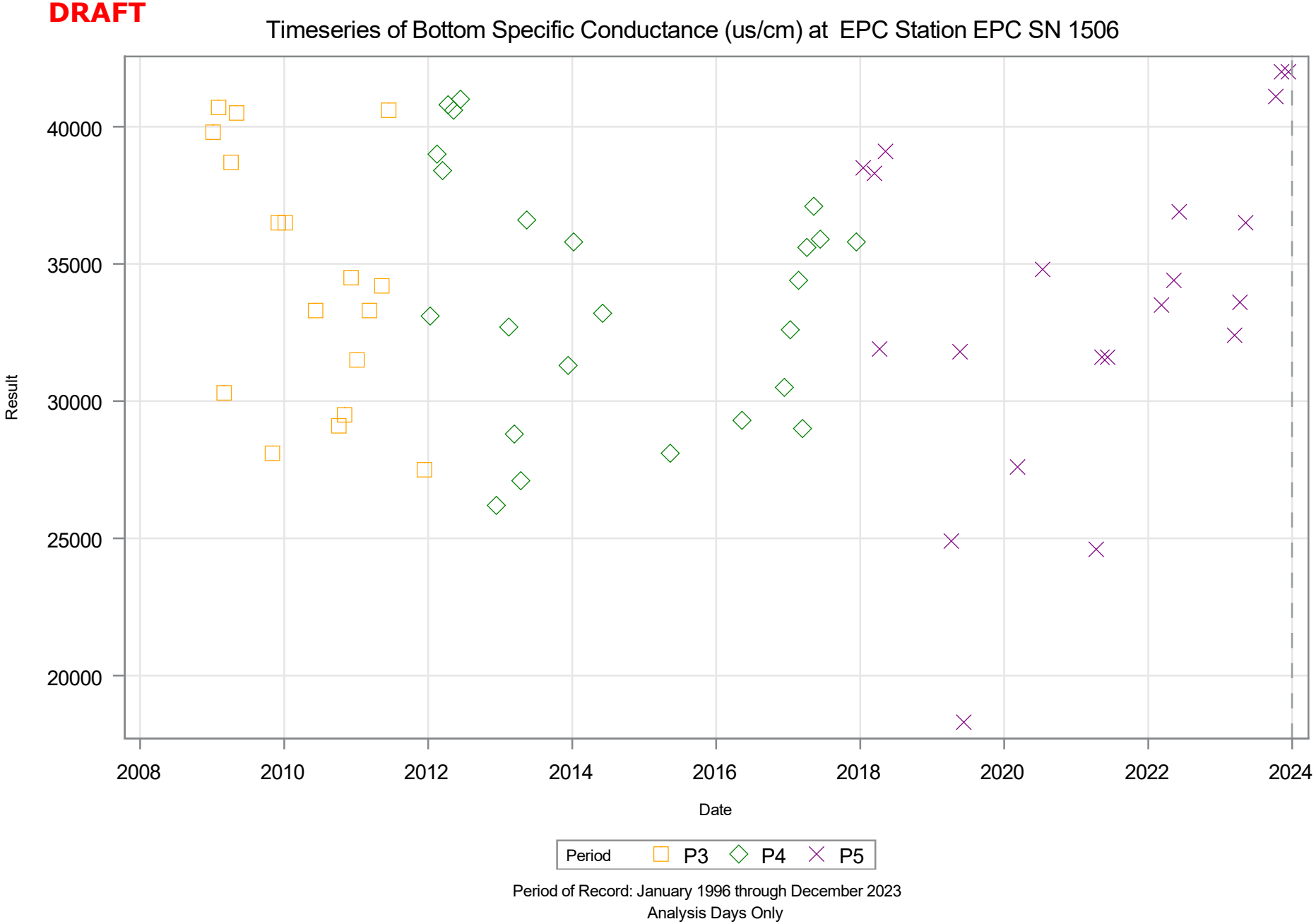
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	20500.00	24900.00	28705.88	29000.00	31300.00	37400.00
P4	24	13640.00	20850.00	24618.33	24850.00	28800.00	31800.00
P5	21	10970.00	20600.00	23122.38	24900.00	26100.00	28300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

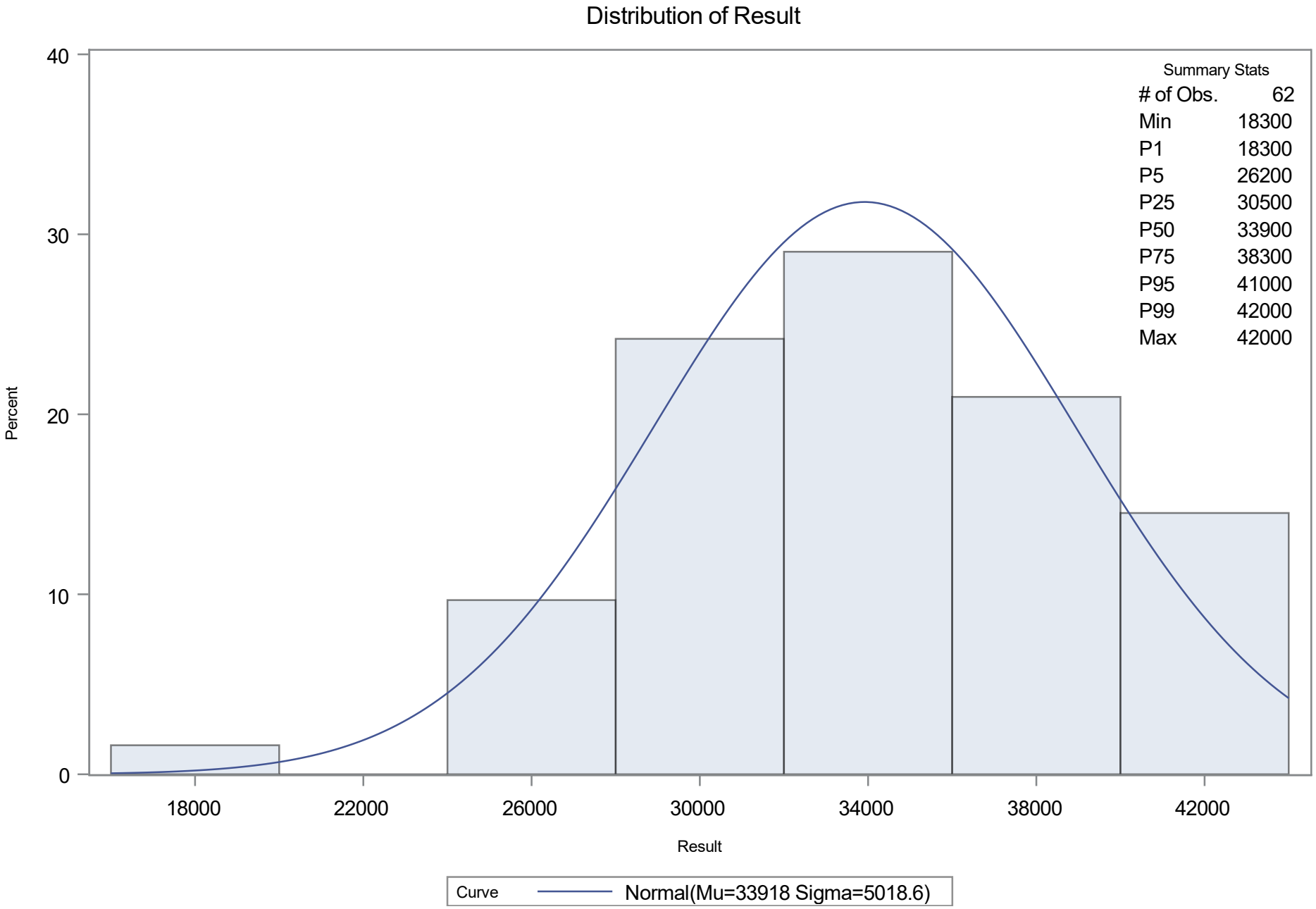

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1505
Result
35000
30000
25000
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1506
Result
40000
35000
30000
25000
20000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	33917.74
Std Dev	Sigma	5018.638

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06678657	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03458402	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32926660	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18300.0	22242.6
5.0	26200.0	25662.8
10.0	27600.0	27486.1
25.0	30500.0	30532.7
50.0	33900.0	33917.7
75.0	38300.0	37302.8
90.0	40600.0	40349.4
95.0	41000.0	42172.7
99.0	42000.0	45592.8

Period of Record: January 1996 through December 2023
Analysis Days Only

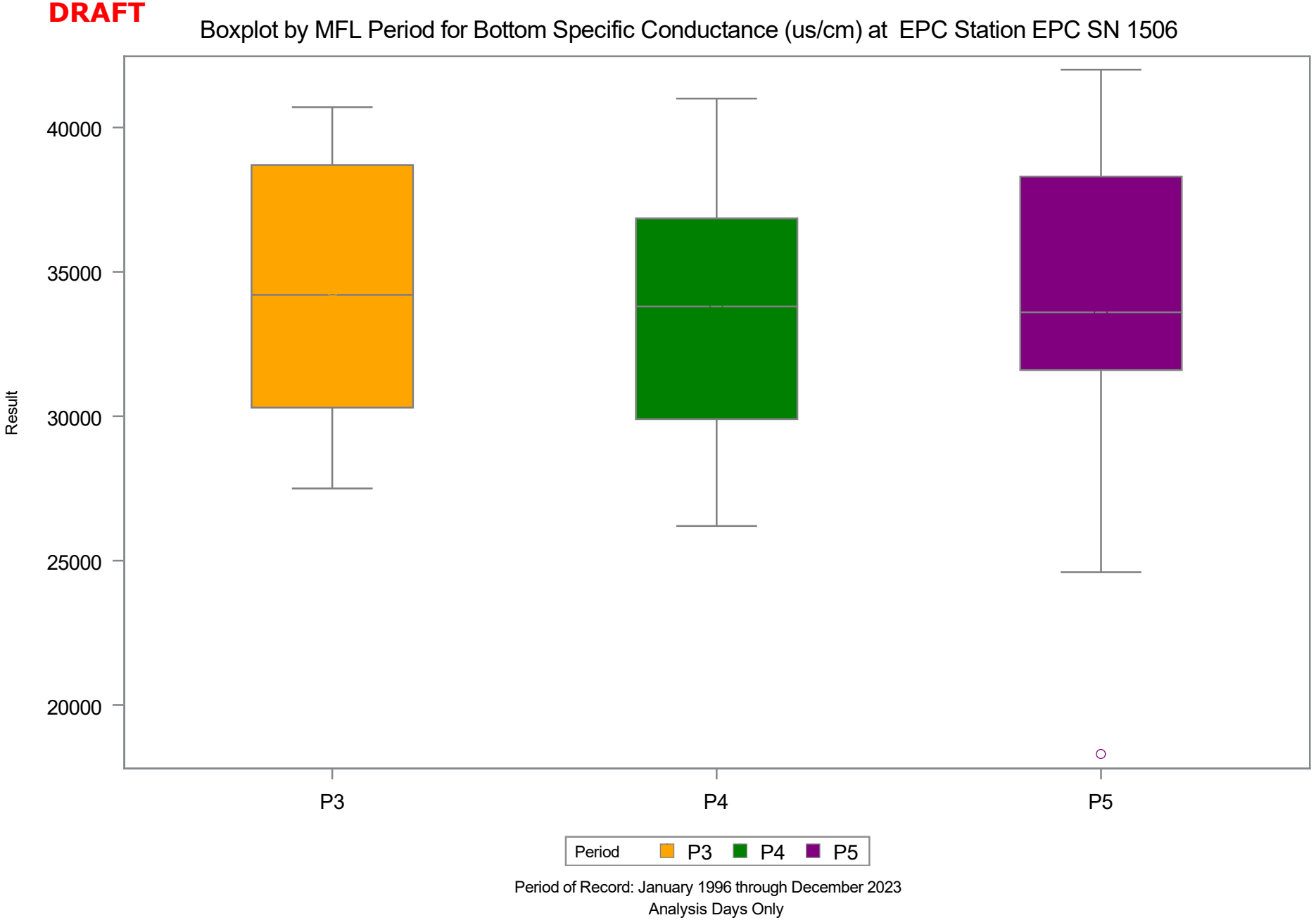
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1506

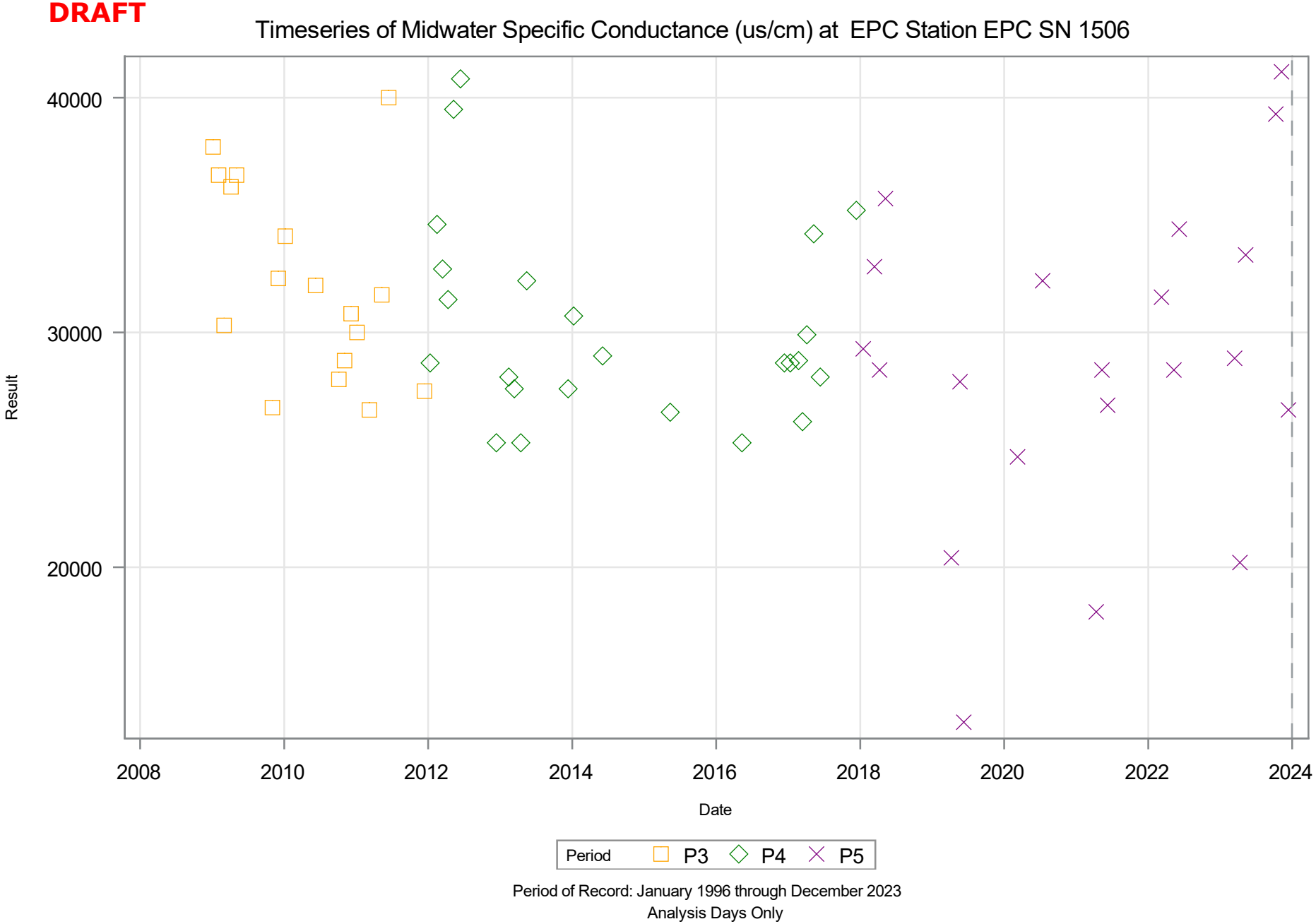
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	27500.00	30300.00	34388.24	34200.00	38700.00	40700.00
P4	24	26200.00	29900.00	33870.83	33800.00	36850.00	41000.00
P5	21	18300.00	31600.00	33590.48	33600.00	38300.00	42000.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

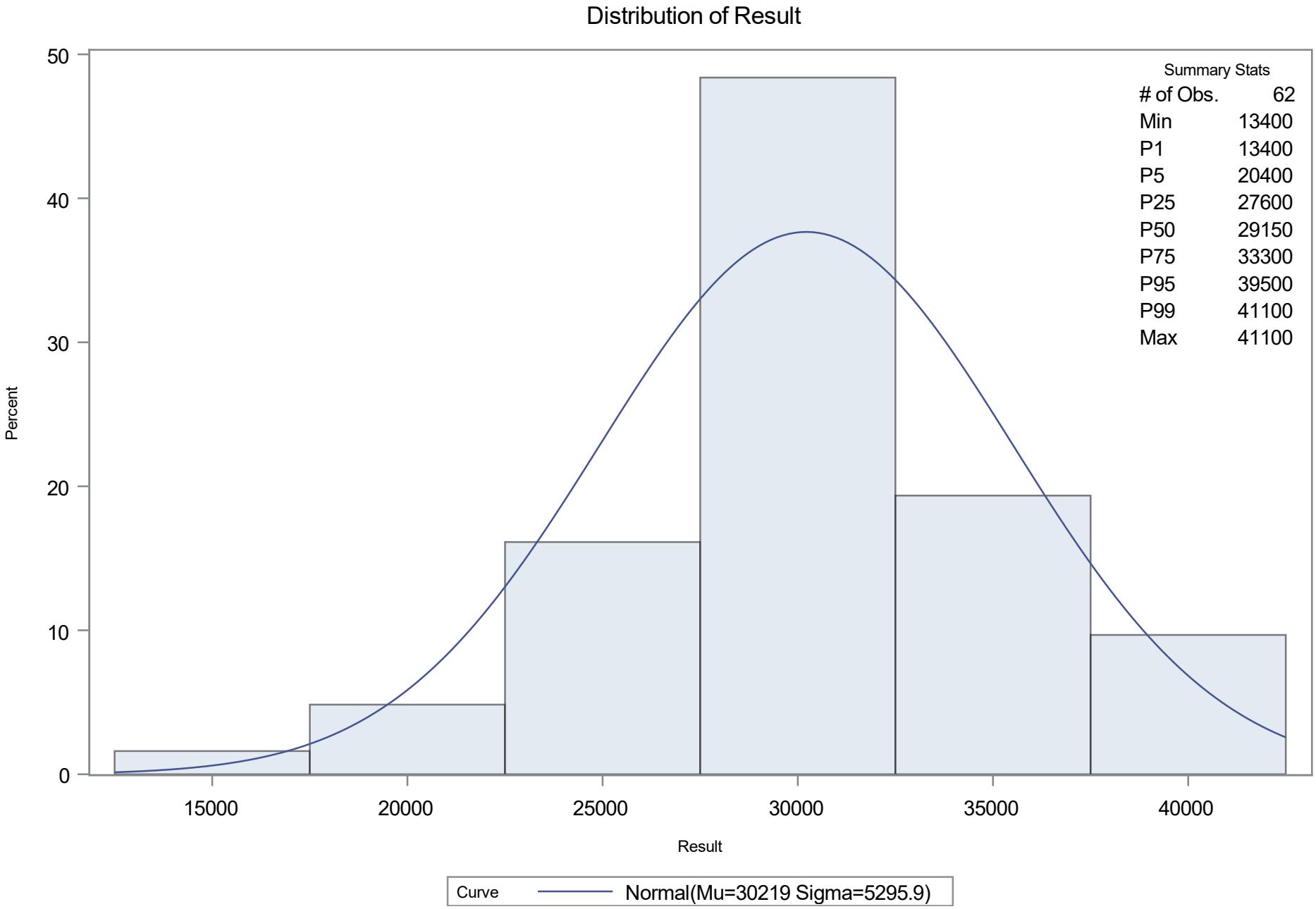

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1506
Result
40000
35000
30000
25000
20000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1506
Result
40000
30000
20000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	30219.35
Std Dev	Sigma	5295.864

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10200615	**Pr > D**	0.107
Cramer-von Mises	**W-Sq**	0.12632369	**Pr > W-Sq**	0.048
Anderson-Darling	**A-Sq**	0.78265589	**Pr > A-Sq**	0.042

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13400.0	17899.3
5.0	20400.0	21508.4
10.0	25300.0	23432.4
25.0	27600.0	26647.3
50.0	29150.0	30219.4
75.0	33300.0	33791.4
90.0	36700.0	37006.3
95.0	39500.0	38930.3
99.0	41100.0	42539.4

Period of Record: January 1996 through December 2023
Analysis Days Only

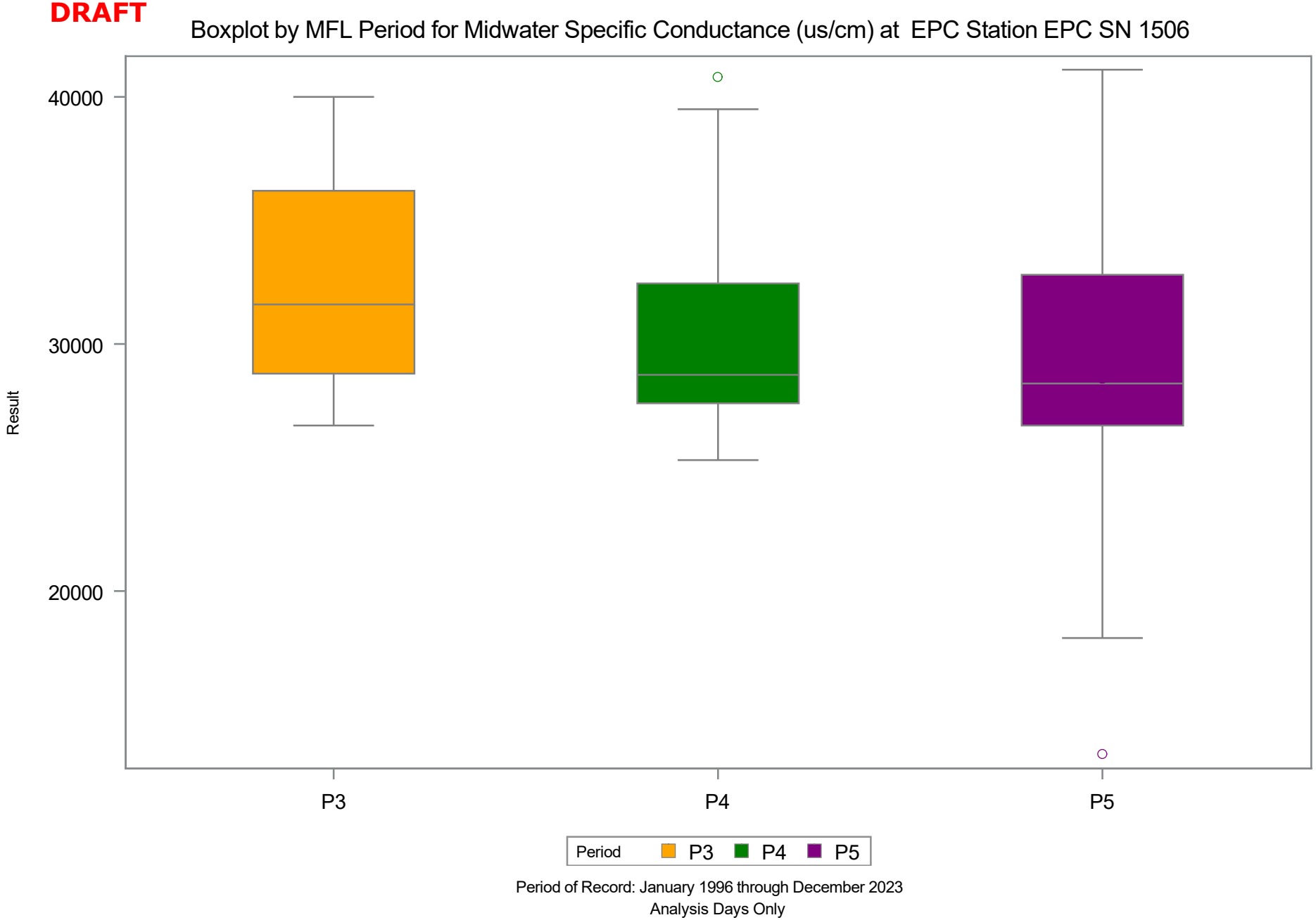
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1506

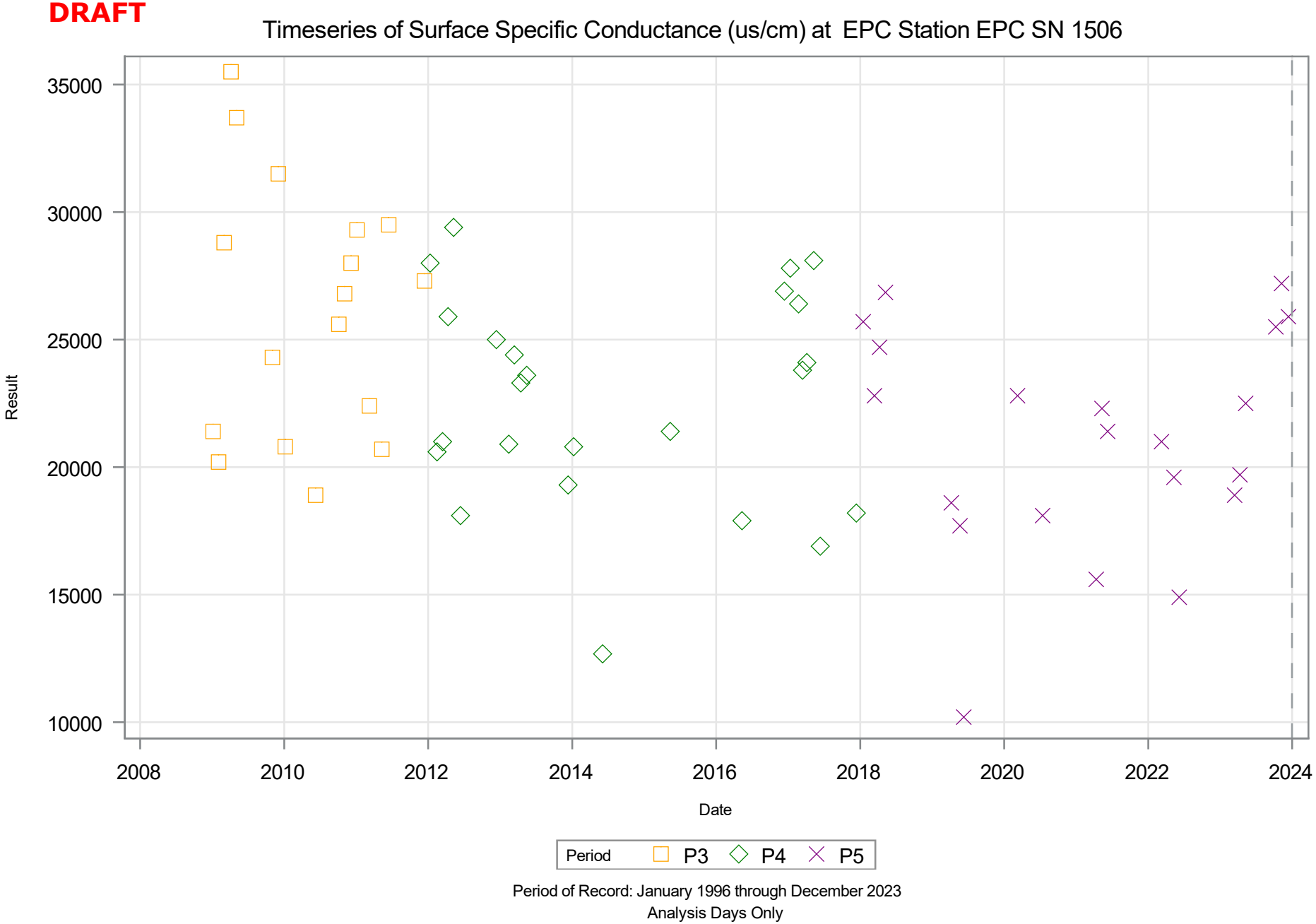
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	26700.00	28800.00	32141.18	31600.00	36200.00	40000.00
P4	24	25300.00	27600.00	30216.67	28750.00	32450.00	40800.00
P5	21	13400.00	26700.00	28666.67	28400.00	32800.00	41100.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

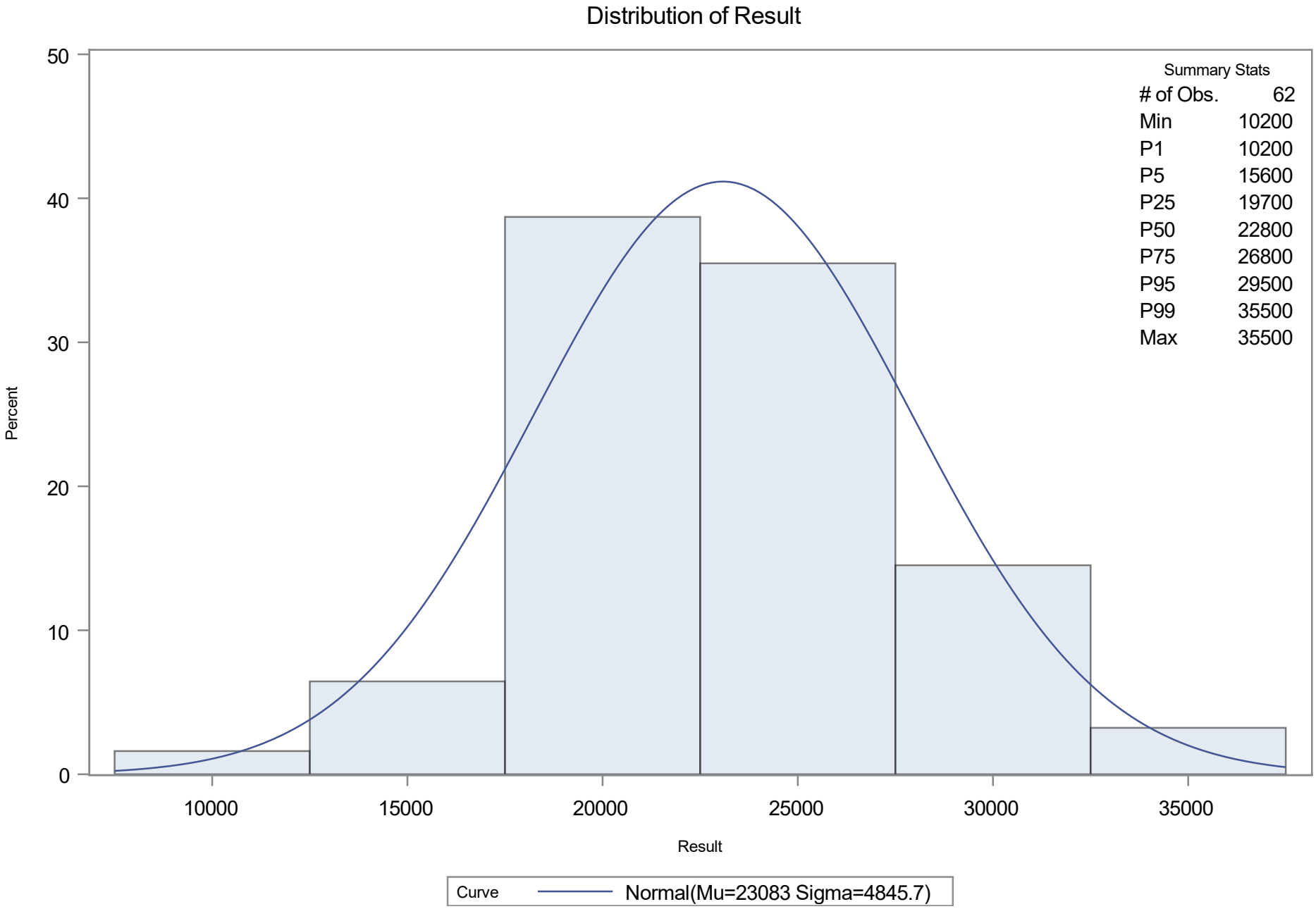

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1506
Result
40000
30000
20000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1506
Result
35000
30000
25000
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23082.74
Std Dev	Sigma	4845.685

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07128815	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02926593	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20657432	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10200.0	11810.0
5.0	15600.0	15112.3
10.0	17900.0	16872.7
25.0	19700.0	19814.4
50.0	22800.0	23082.7
75.0	26800.0	26351.1
90.0	28800.0	29292.7
95.0	29500.0	31053.2
99.0	35500.0	34355.5

Period of Record: January 1996 through December 2023
Analysis Days Only

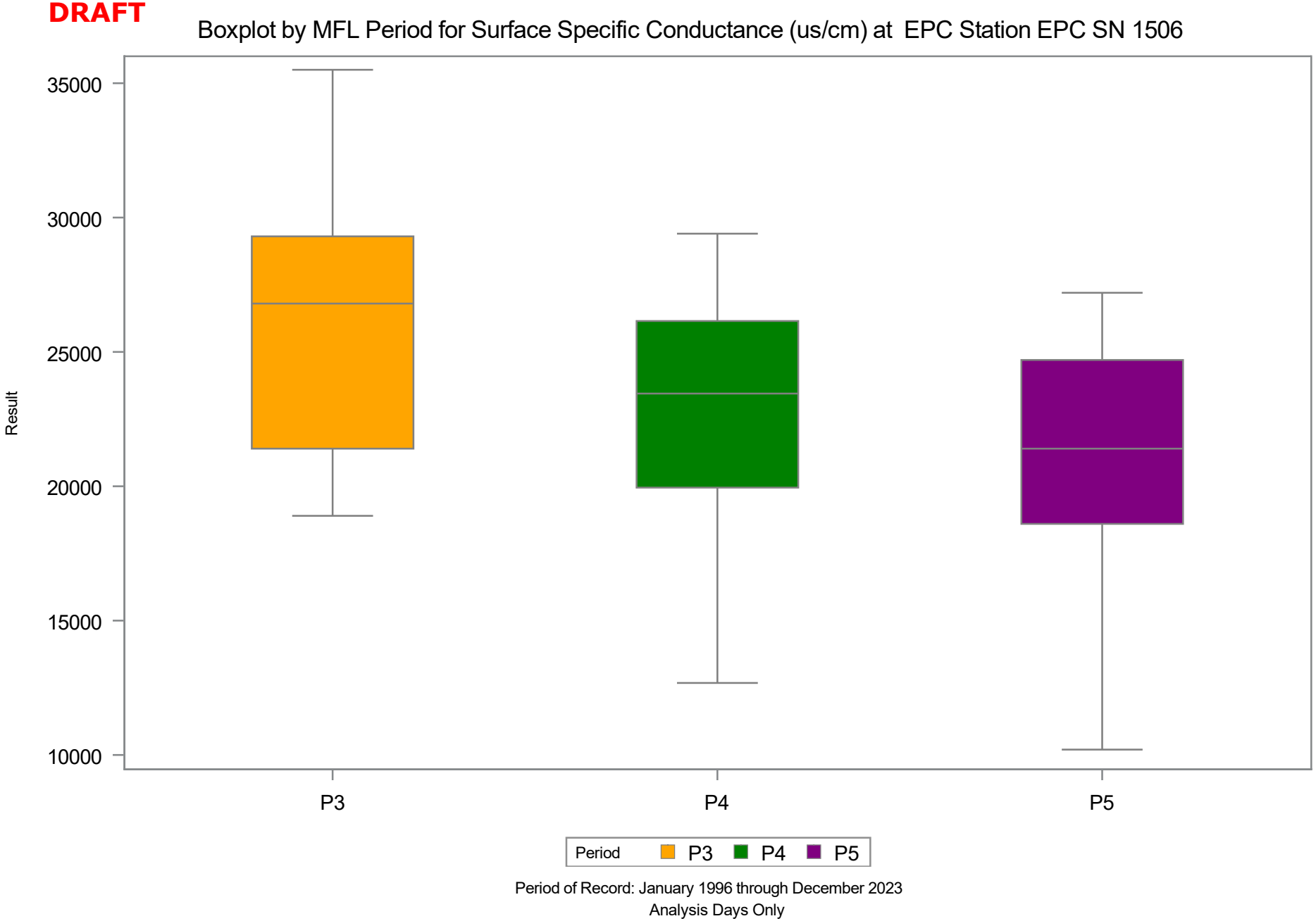
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1506

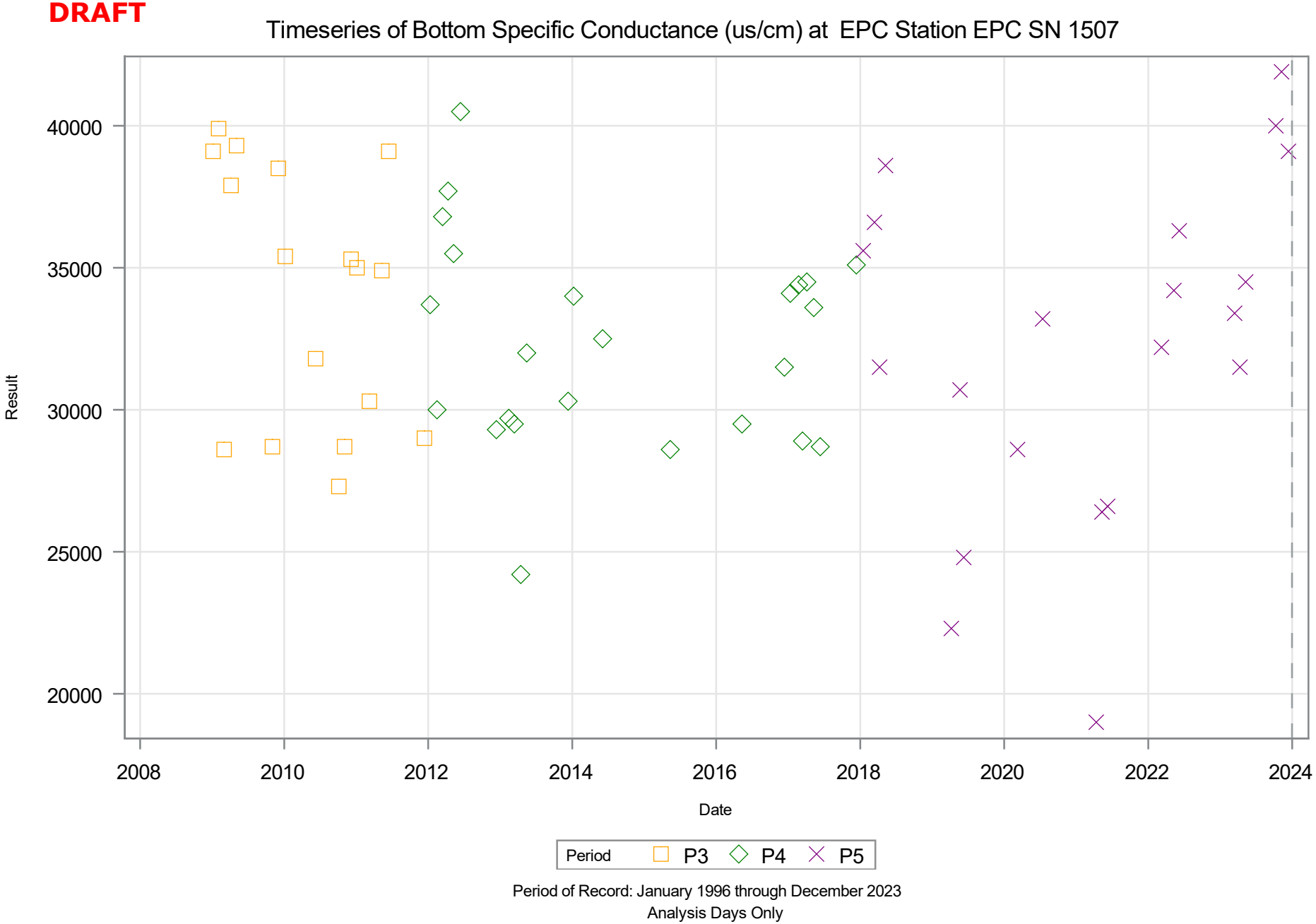
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	18900.00	21400.00	26158.82	26800.00	29300.00	35500.00
P4	24	12680.00	19950.00	22686.67	23450.00	26150.00	29400.00
P5	21	10200.00	18600.00	21045.24	21400.00	24700.00	27200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1506
Result
35000
30000
25000
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

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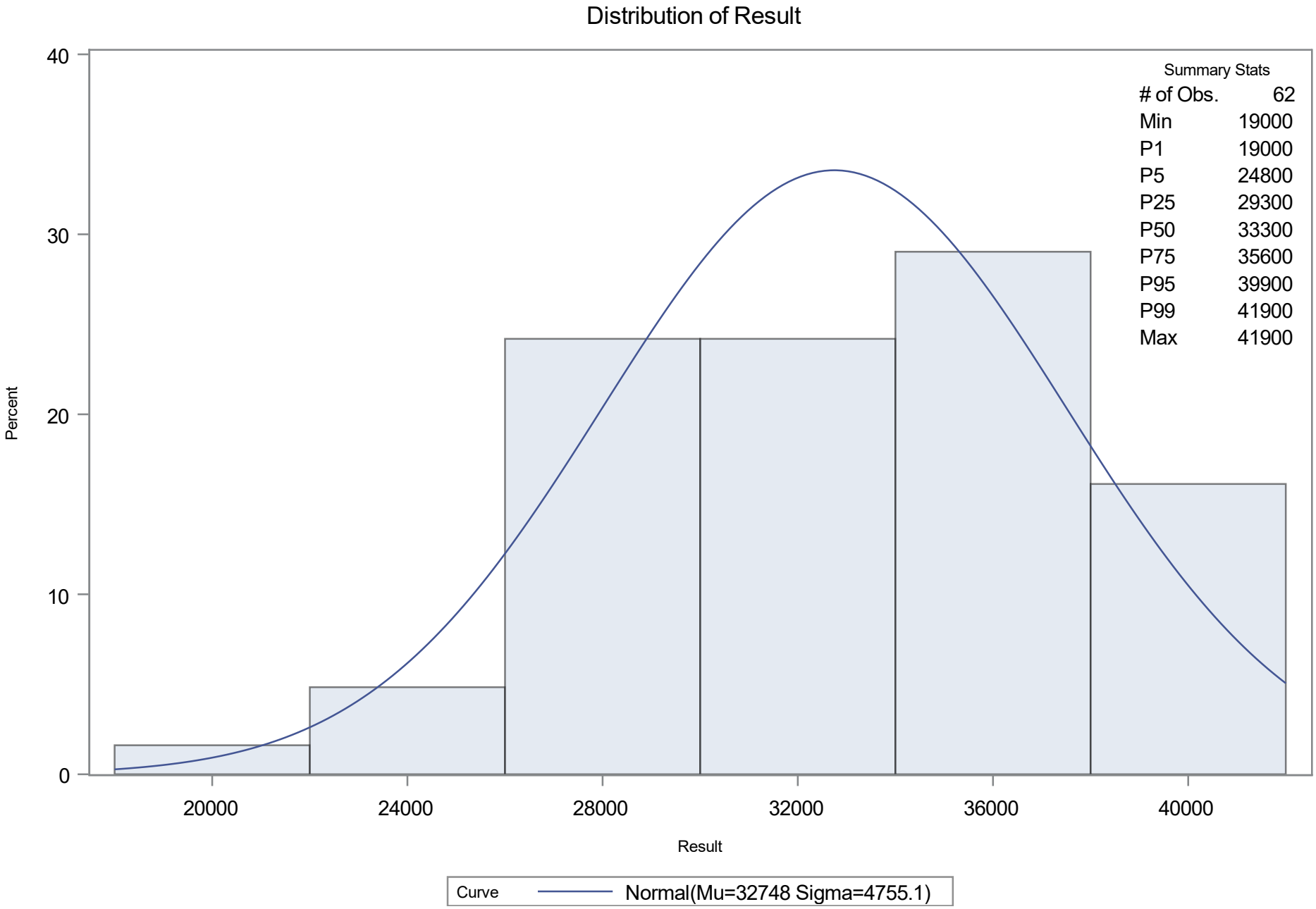
Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	32748.39
Std Dev	Sigma	4755.109

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07859016	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04521792	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33199538	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19000.0	21686.3
5.0	24800.0	24926.9
10.0	27300.0	26654.5
25.0	29300.0	29541.1
50.0	33300.0	32748.4
75.0	35600.0	35955.7
90.0	39100.0	38842.3
95.0	39900.0	40569.8
99.0	41900.0	43810.4

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	27300.00	29000.00	34047.06	35000.00	38500.00	39900.00
P4	24	24200.00	29500.00	32275.00	32250.00	34450.00	40500.00
P5	21	19000.00	28600.00	32238.10	33200.00	36300.00	41900.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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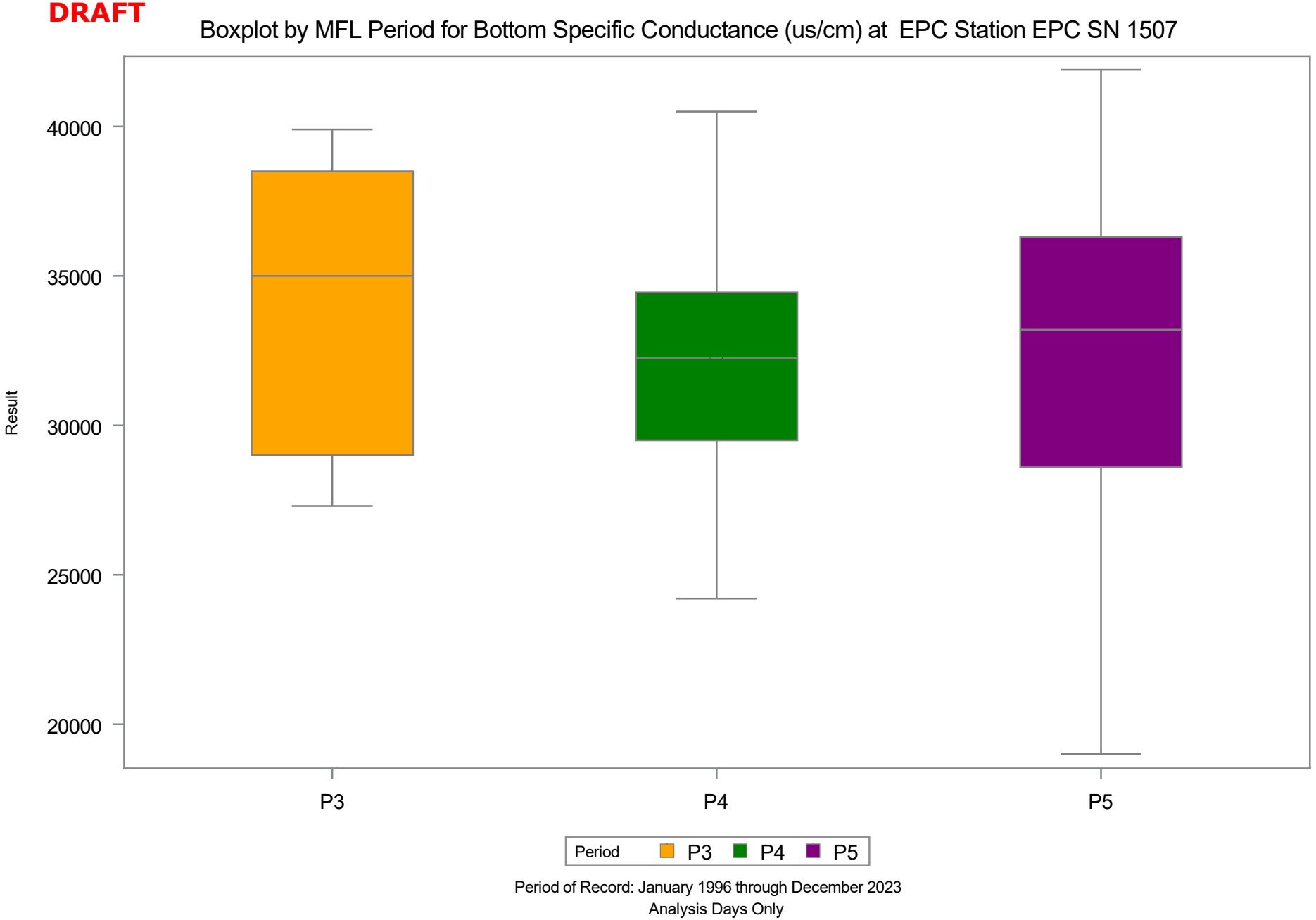
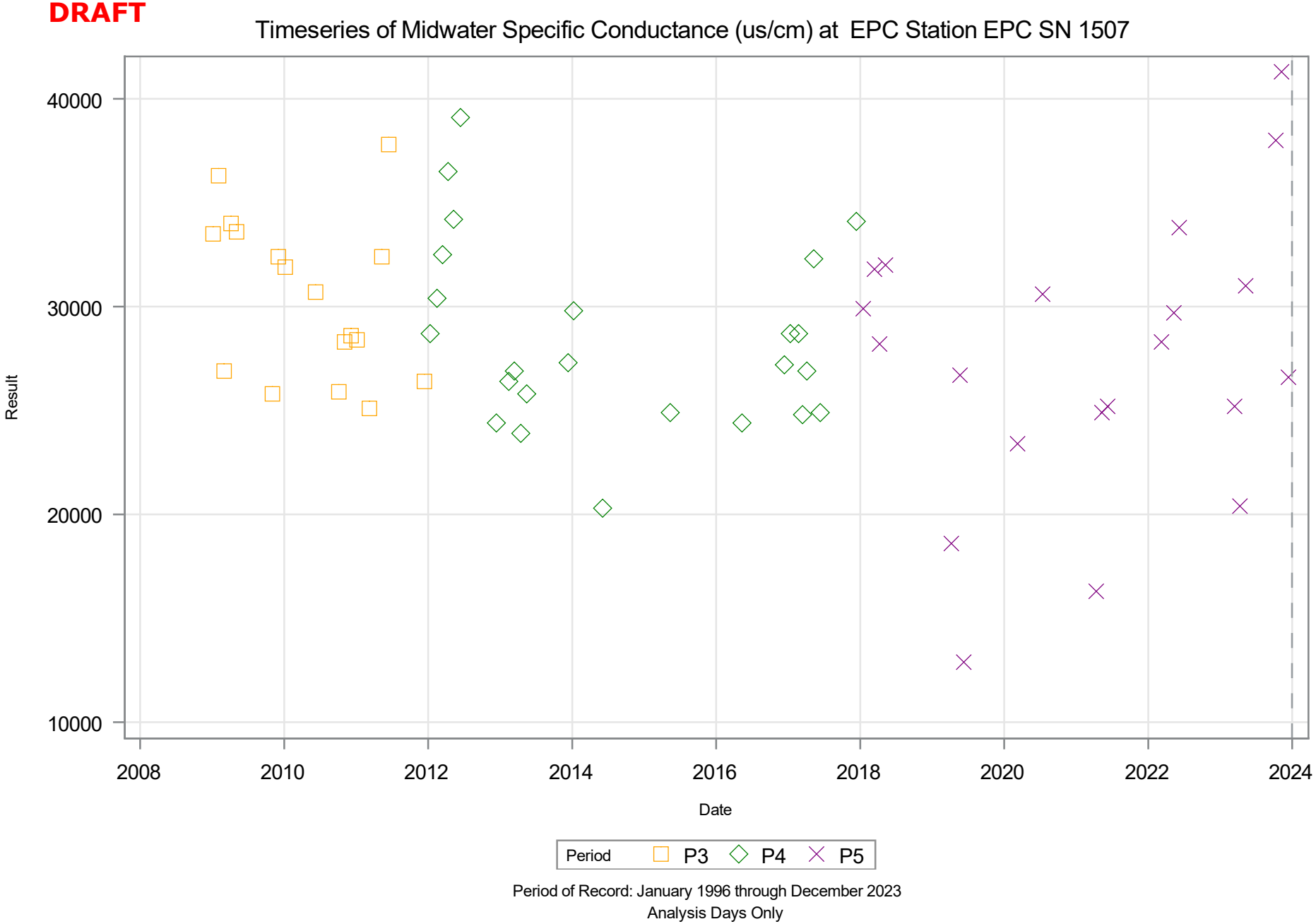
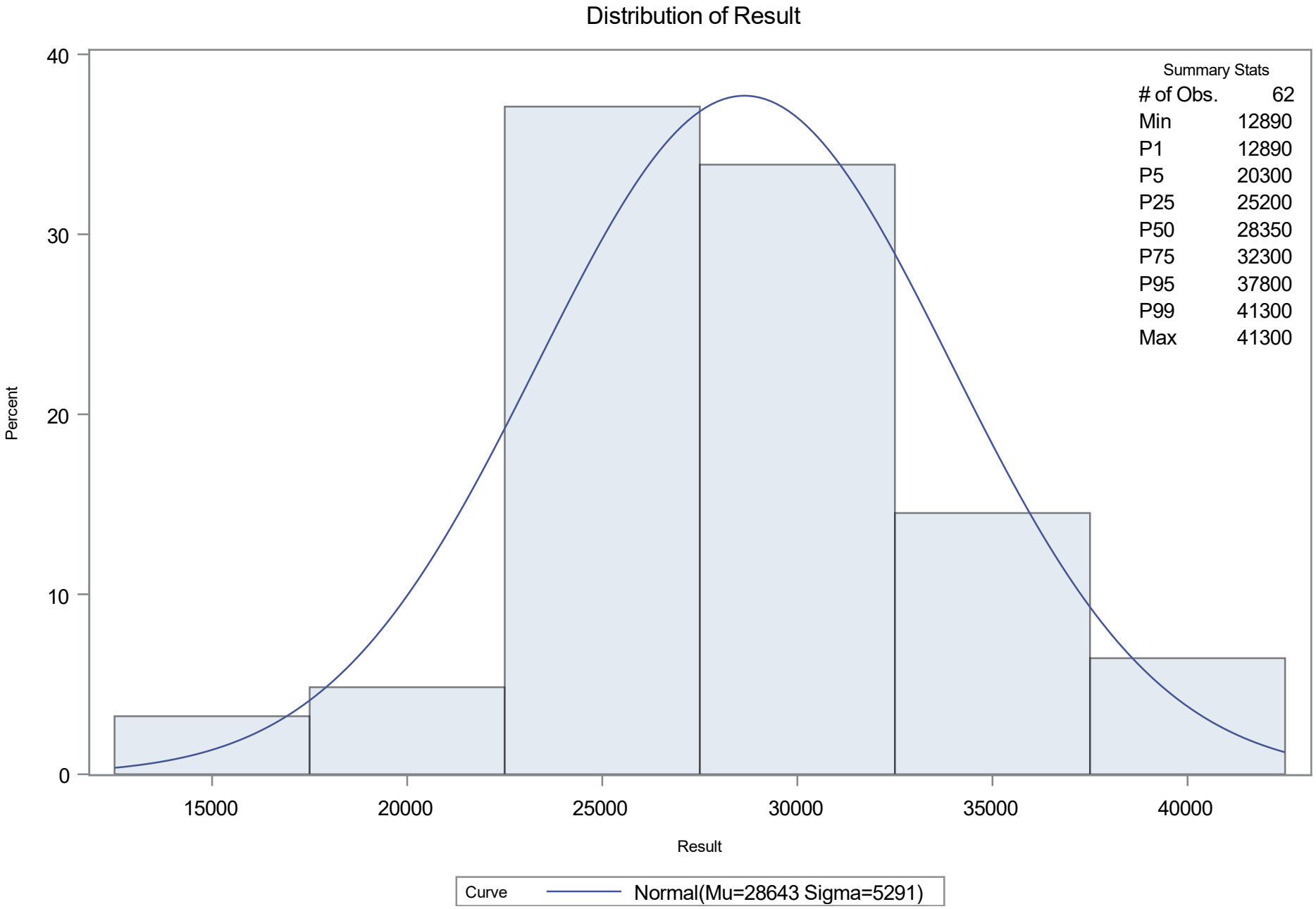

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1507
Result
40000
35000
30000
25000
20000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1507
Result
40000
30000
20000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	28643.39
Std Dev	Sigma	5290.987

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09837242	**Pr > D**	0.140
Cramer-von Mises	**W-Sq**	0.06992777	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.47093875	**Pr > A-Sq**	0.242

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12890.0	16334.7
5.0	20300.0	19940.5
10.0	23900.0	21862.7
25.0	25200.0	25074.7
50.0	28350.0	28643.4
75.0	32300.0	32212.1
90.0	34200.0	35424.1
95.0	37800.0	37346.3
99.0	41300.0	40952.1

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	25100.00	26900.00	30470.59	30700.00	33500.00	37800.00
P4	24	20300.00	24900.00	28462.50	27250.00	31350.00	39100.00
P5	21	12890.00	24900.00	27370.95	28200.00	31000.00	41300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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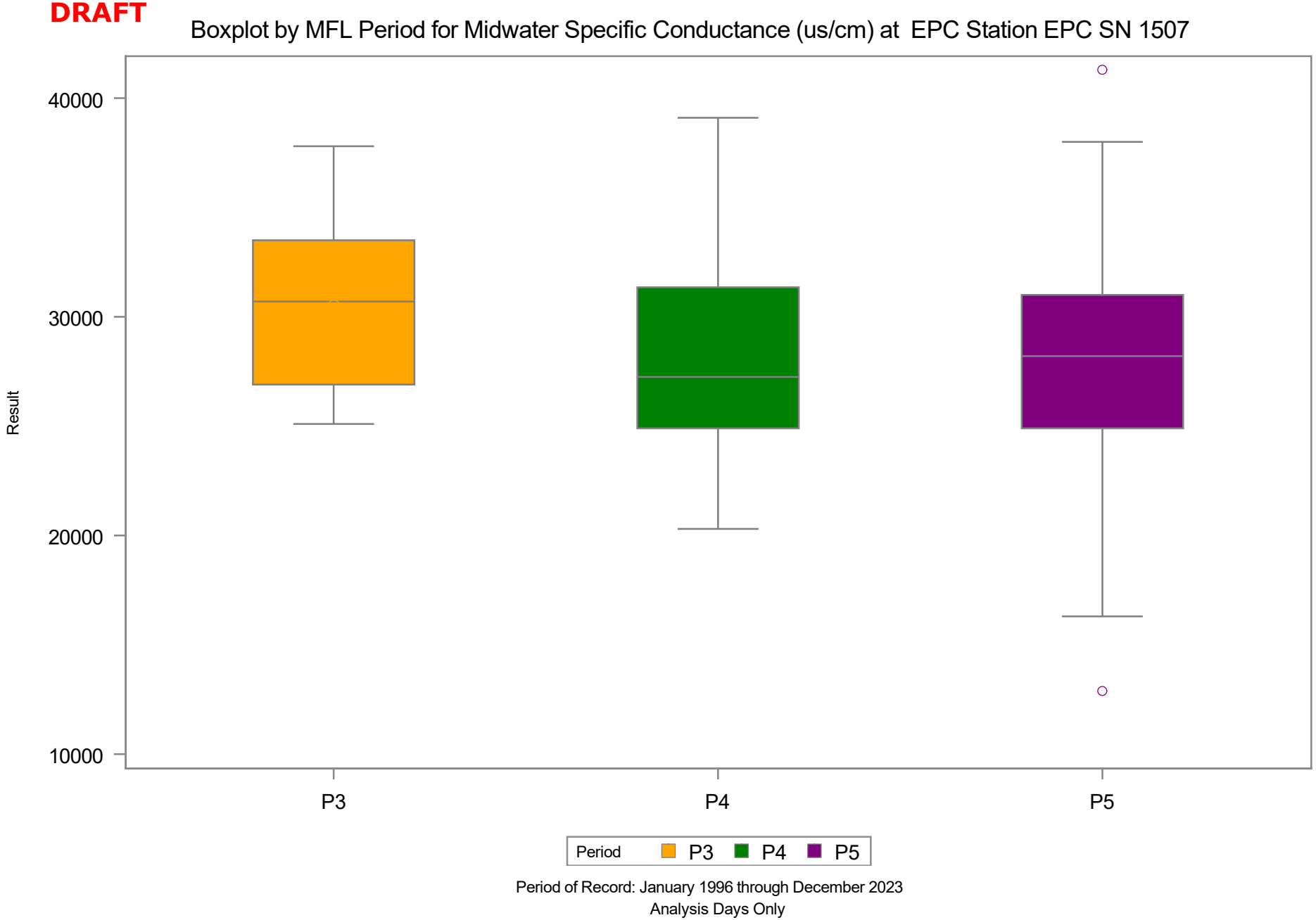
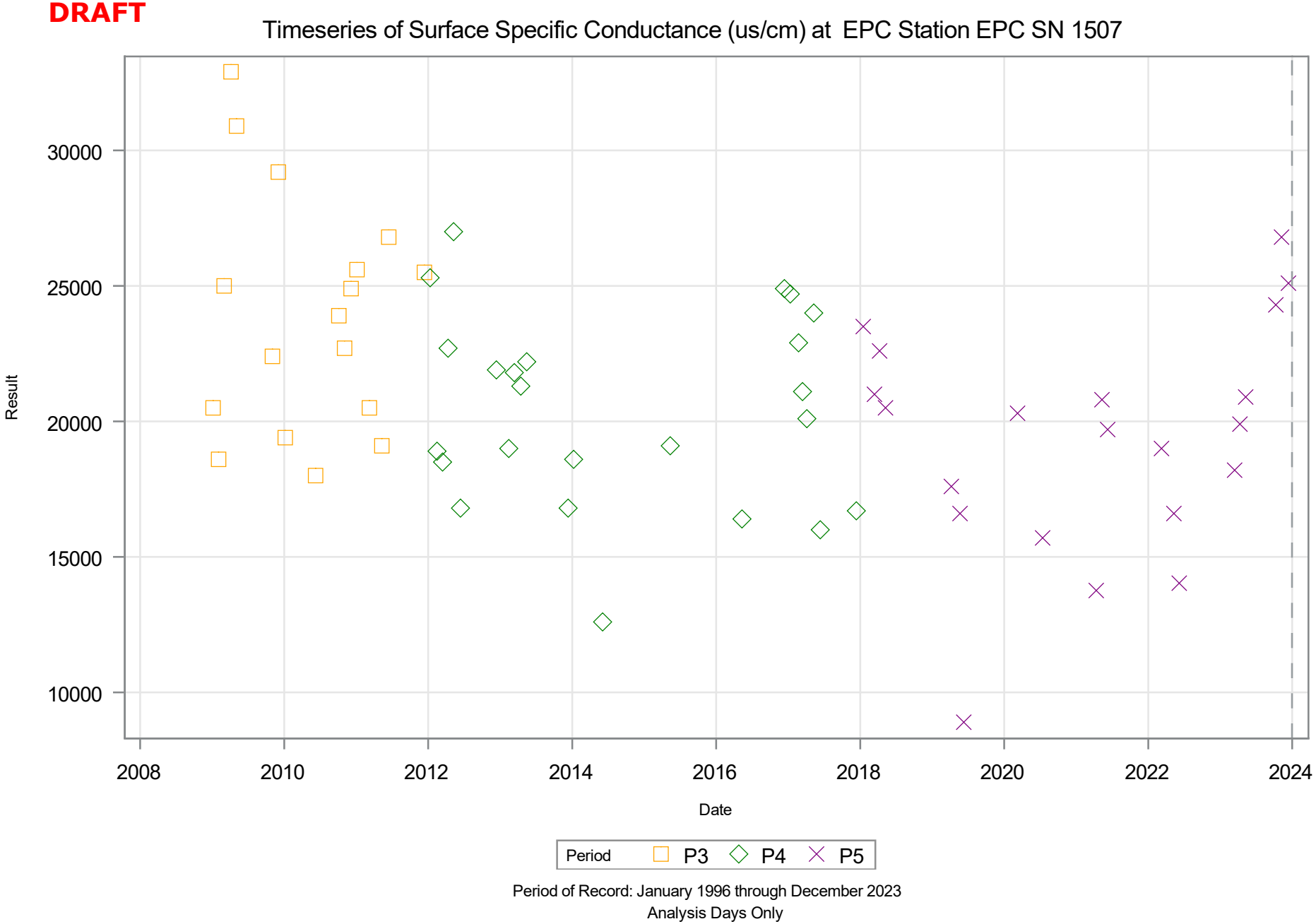
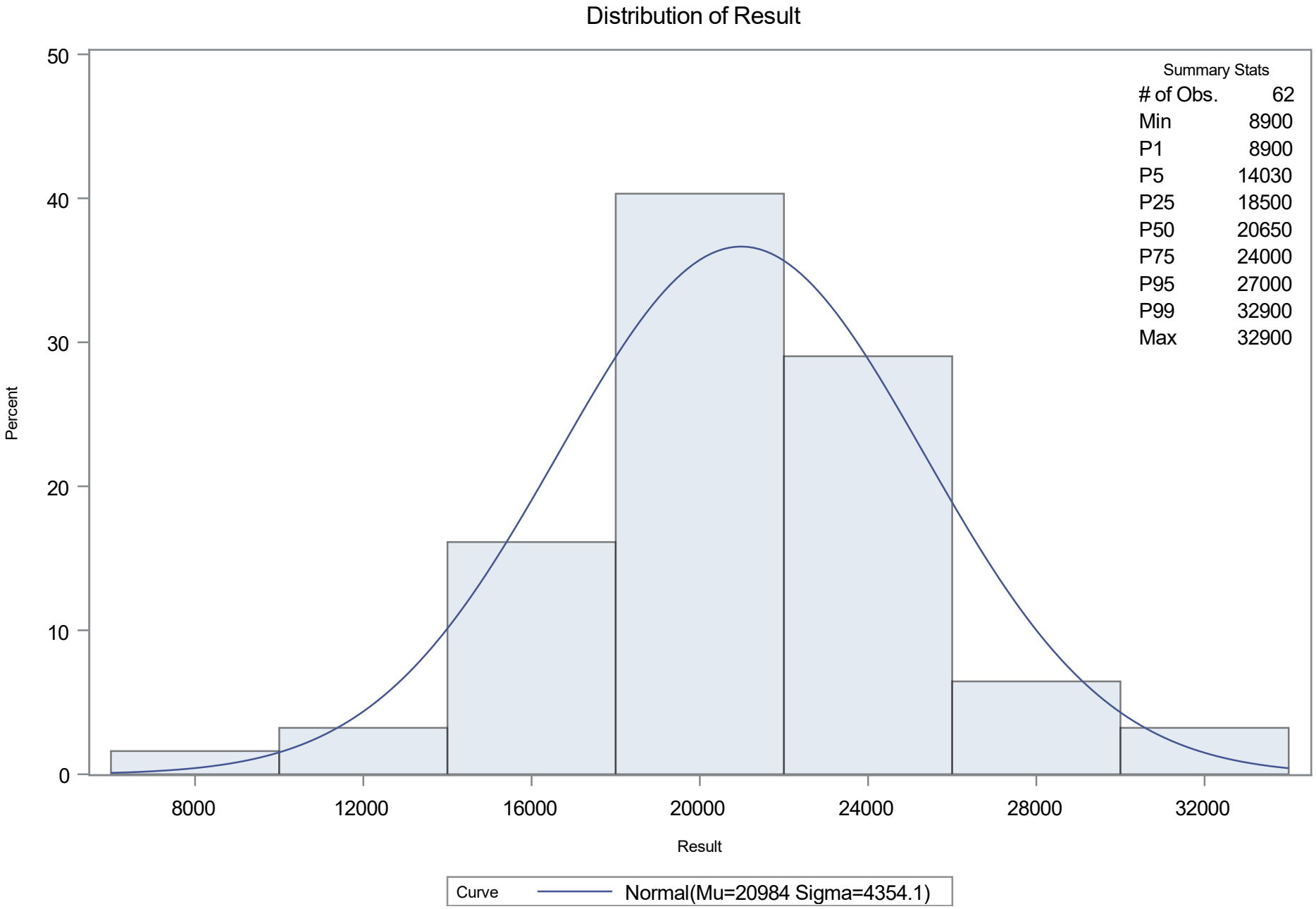

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1507
Result
40000
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1507
Result
30000
25000
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20983.71
Std Dev	Sigma	4354.124

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05386241	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03236630	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23954656	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8900.00	10854.5
5.0	14030.00	13821.8
10.0	16400.00	15403.7
25.0	18500.00	18046.9
50.0	20650.00	20983.7
75.0	24000.00	23920.5
90.0	25600.00	26563.7
95.0	27000.00	28145.6
99.0	32900.00	31112.9

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	18000.00	20500.00	23876.47	23900.00	25600.00	32900.00
P4	24	12600.00	17650.00	20387.50	20600.00	22800.00	27000.00
P5	21	8900.00	16600.00	19323.33	19900.00	21000.00	26800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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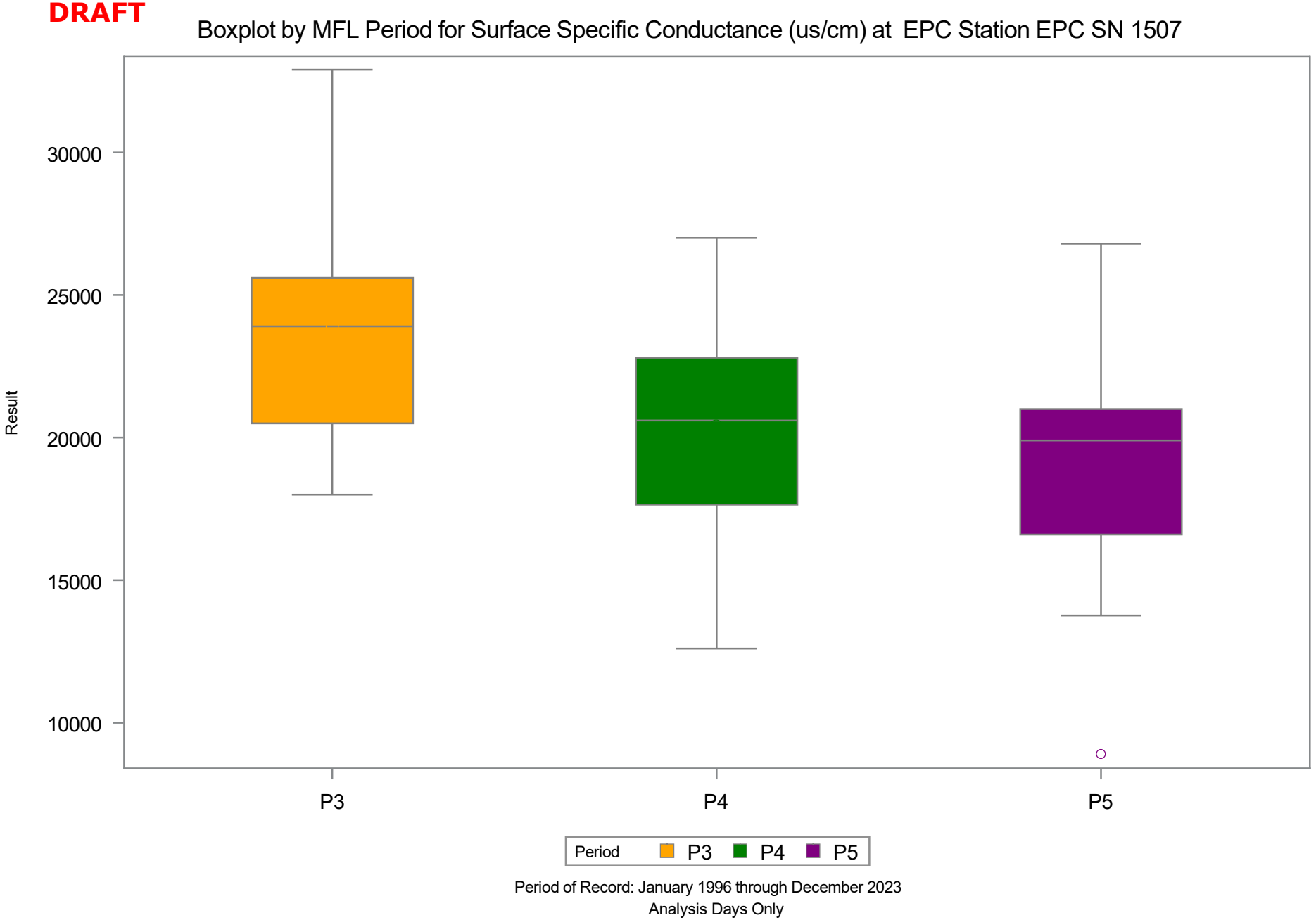
Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1507
Result
30000
25000
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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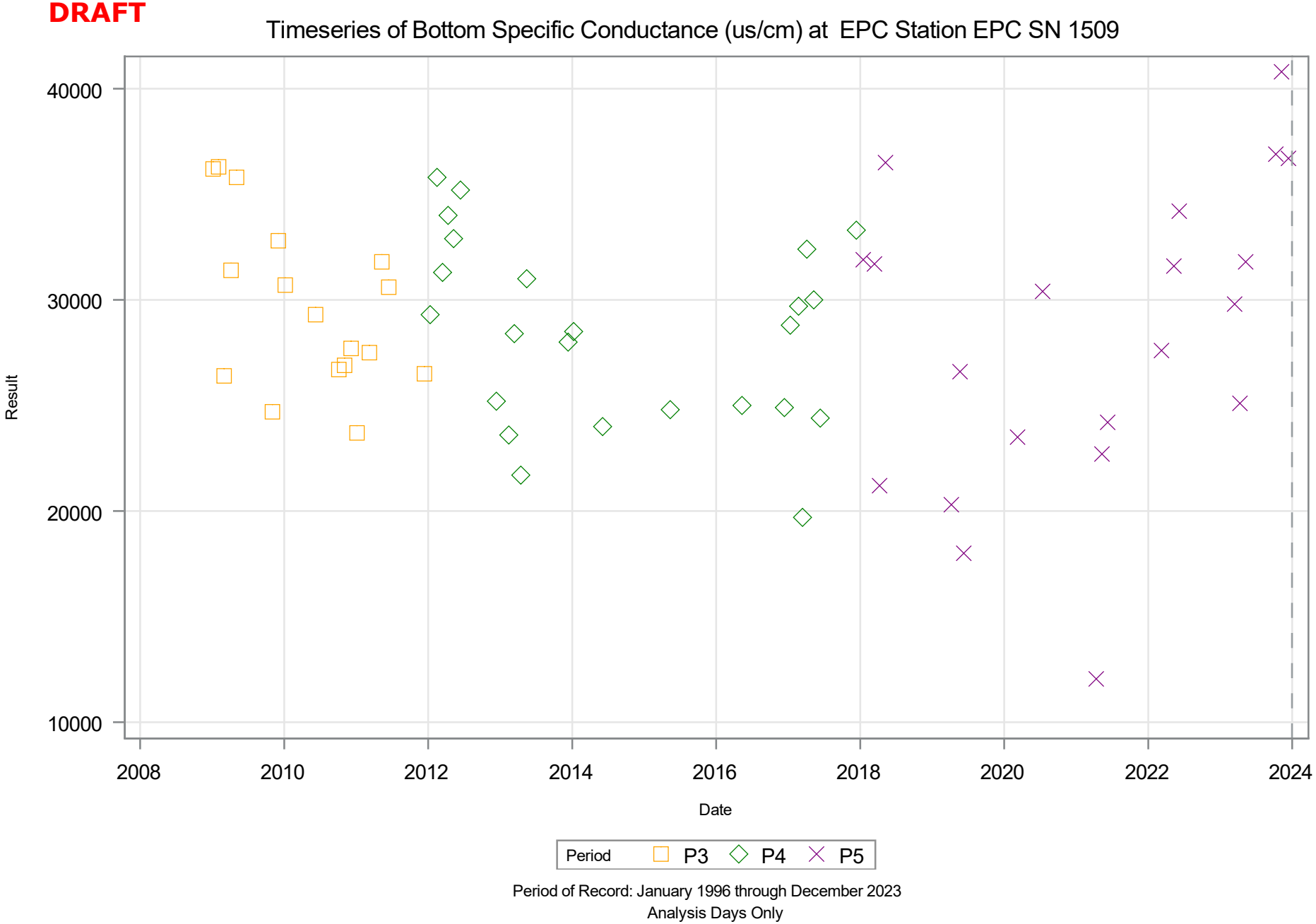
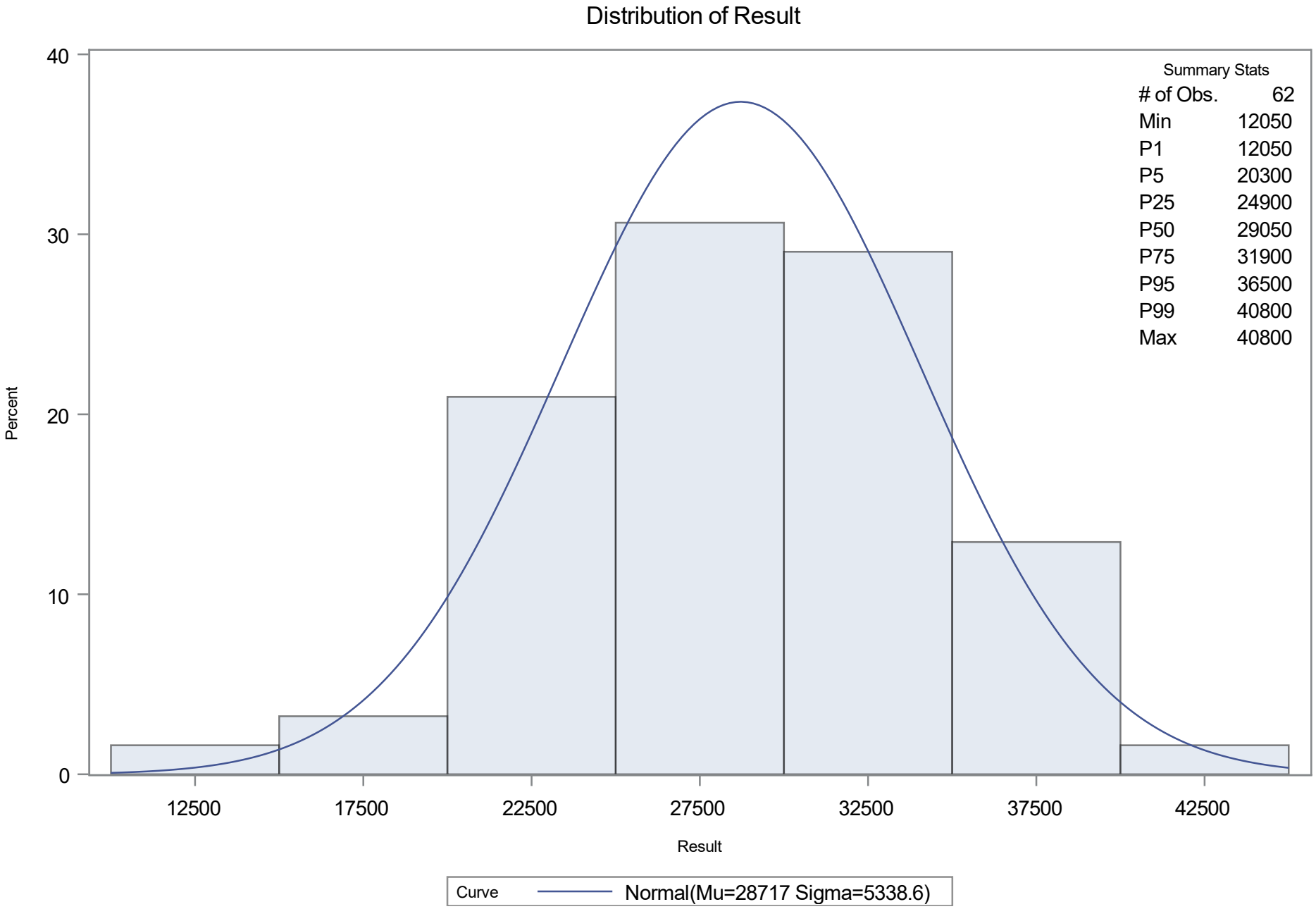


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	28716.94
Std Dev	Sigma	5338.592

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05143174	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02639031	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21897996	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12050.0	16297.5
5.0	20300.0	19935.7
10.0	22700.0	21875.3
25.0	24900.0	25116.1
50.0	29050.0	28716.9
75.0	31900.0	32317.8
90.0	35800.0	35558.6
95.0	36500.0	37498.1
99.0	40800.0	41136.4

Period of Record: January 1996 through December 2023
Analysis Days Only

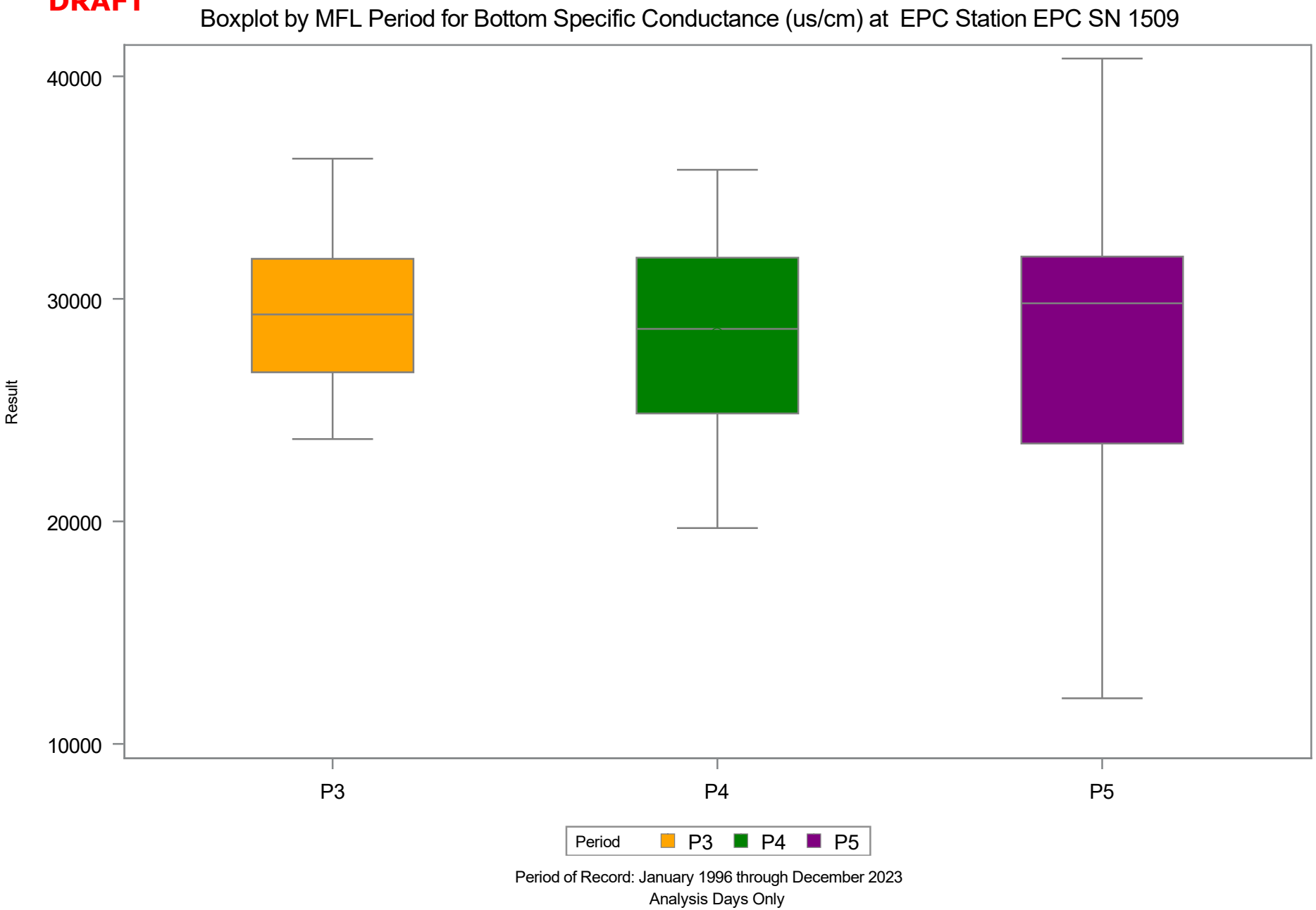
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1509

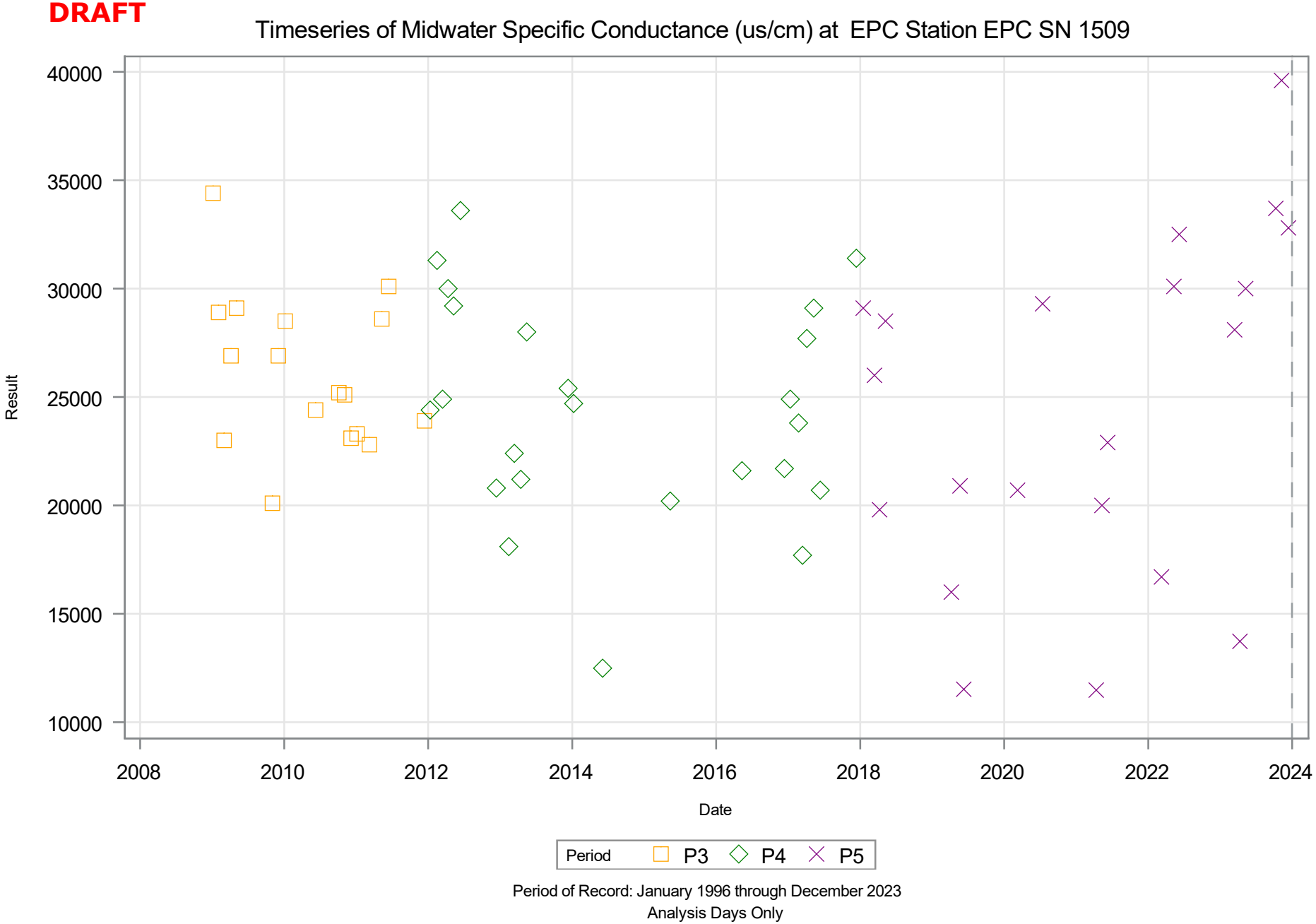
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	23700.00	26700.00	29705.88	29300.00	31800.00	36300.00
P4	24	19700.00	24850.00	28412.50	28650.00	31850.00	35800.00
P5	21	12050.00	23500.00	28264.29	29800.00	31900.00	40800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

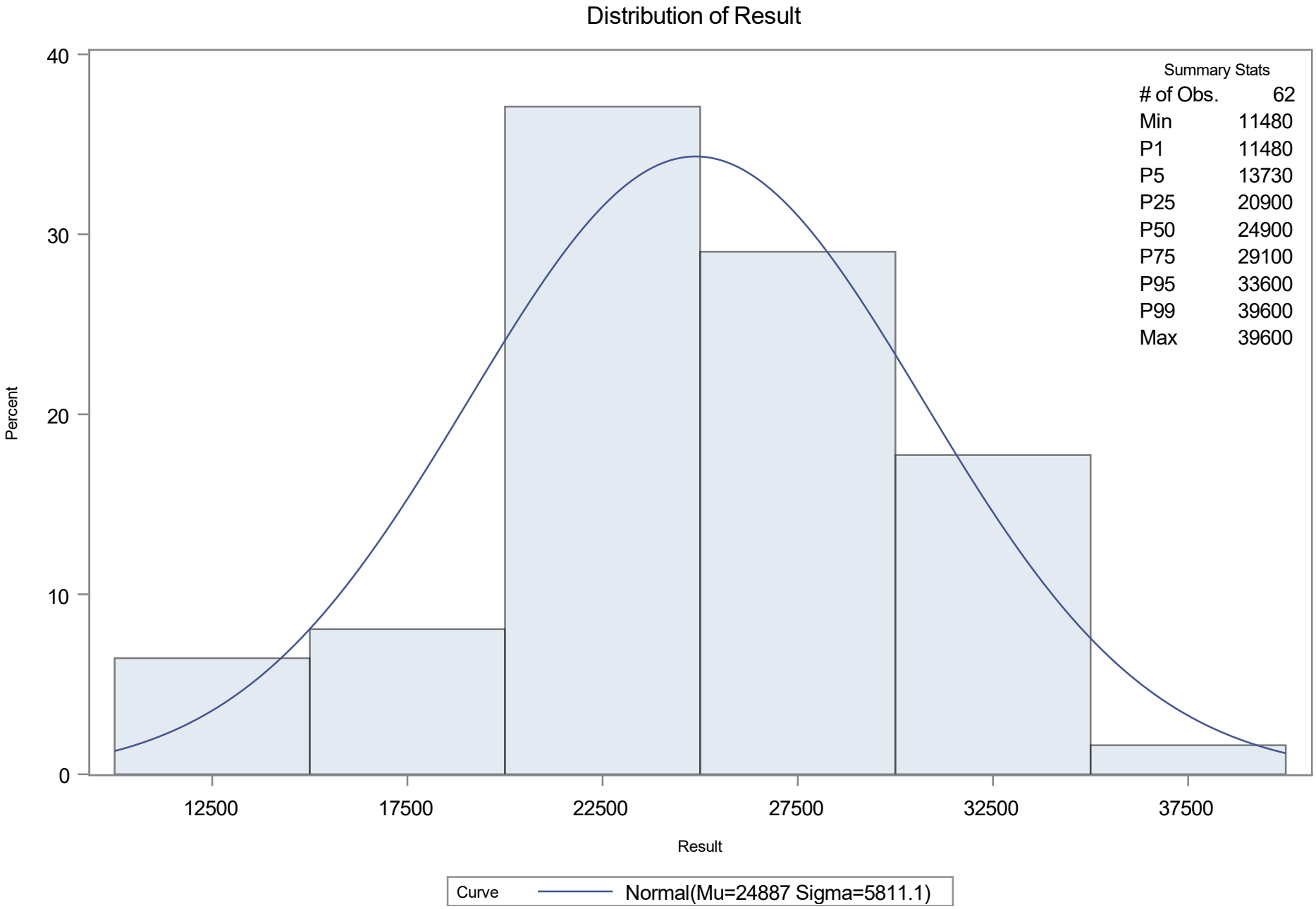

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1509
Result
40000
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1509
Result
40000
35000
30000
25000
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24887.42
Std Dev	Sigma	5811.109

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07485920	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04755216	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34689824	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11480.0	11368.8
5.0	13730.0	15329.0
10.0	17700.0	17440.2
25.0	20900.0	20967.9
50.0	24900.0	24887.4
75.0	29100.0	28807.0
90.0	31400.0	32334.7
95.0	33600.0	34445.8
99.0	39600.0	38406.1

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1509

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	20100.00	23300.00	26135.29	25200.00	28600.00	34400.00
P4	24	12490.00	21000.00	24387.08	24550.00	28550.00	33600.00
P5	21	11480.00	19800.00	24449.05	26000.00	30000.00	39600.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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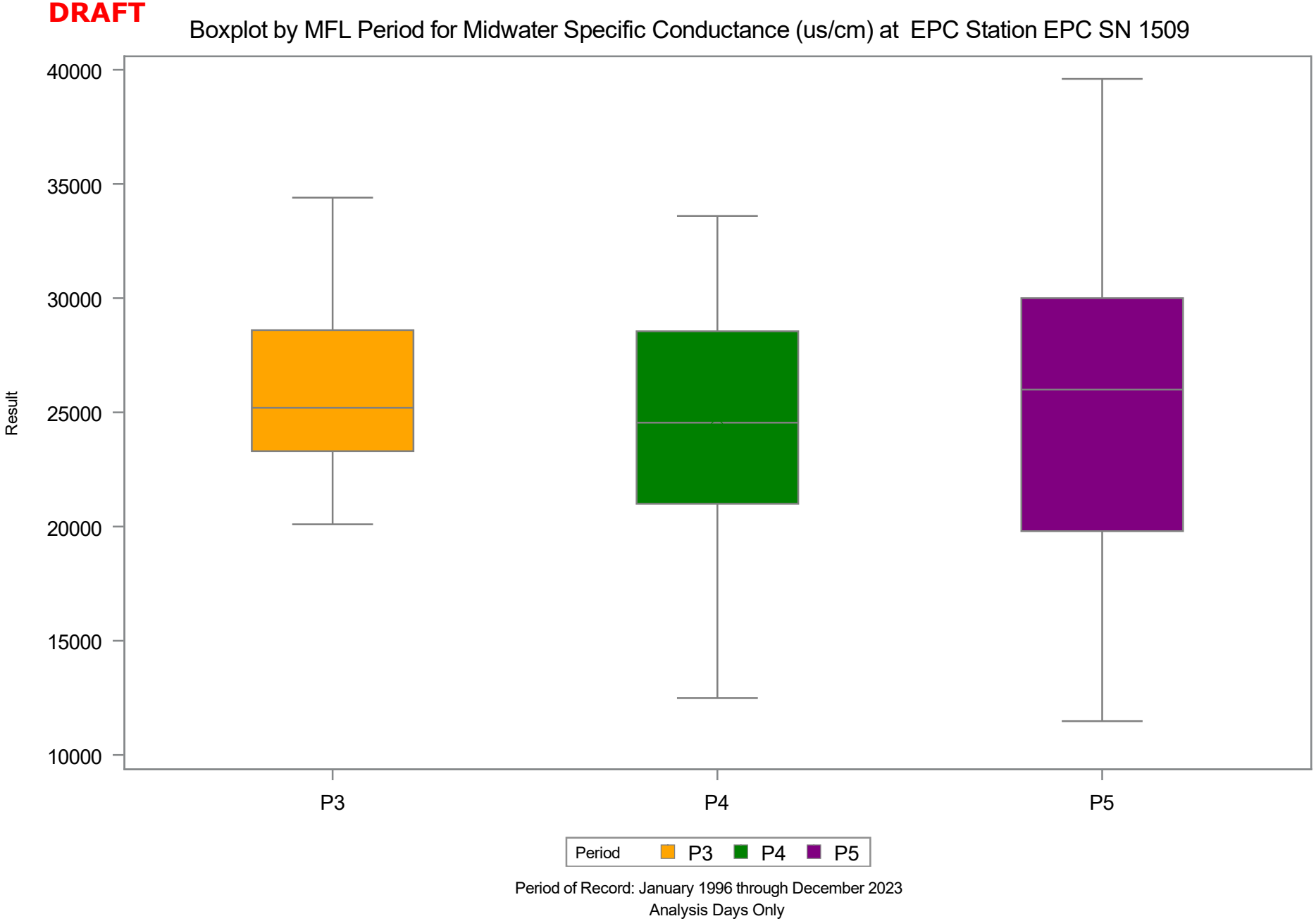
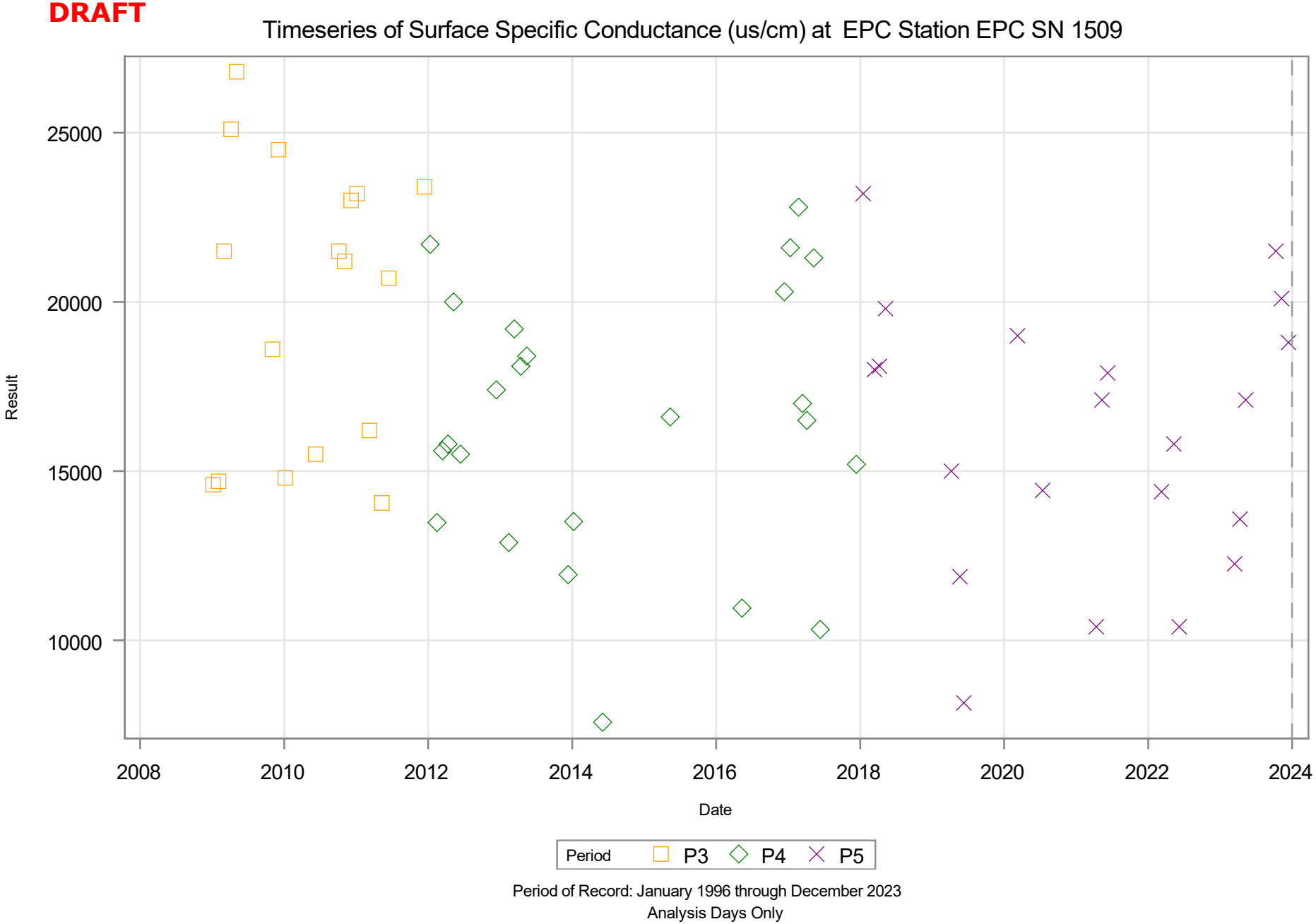
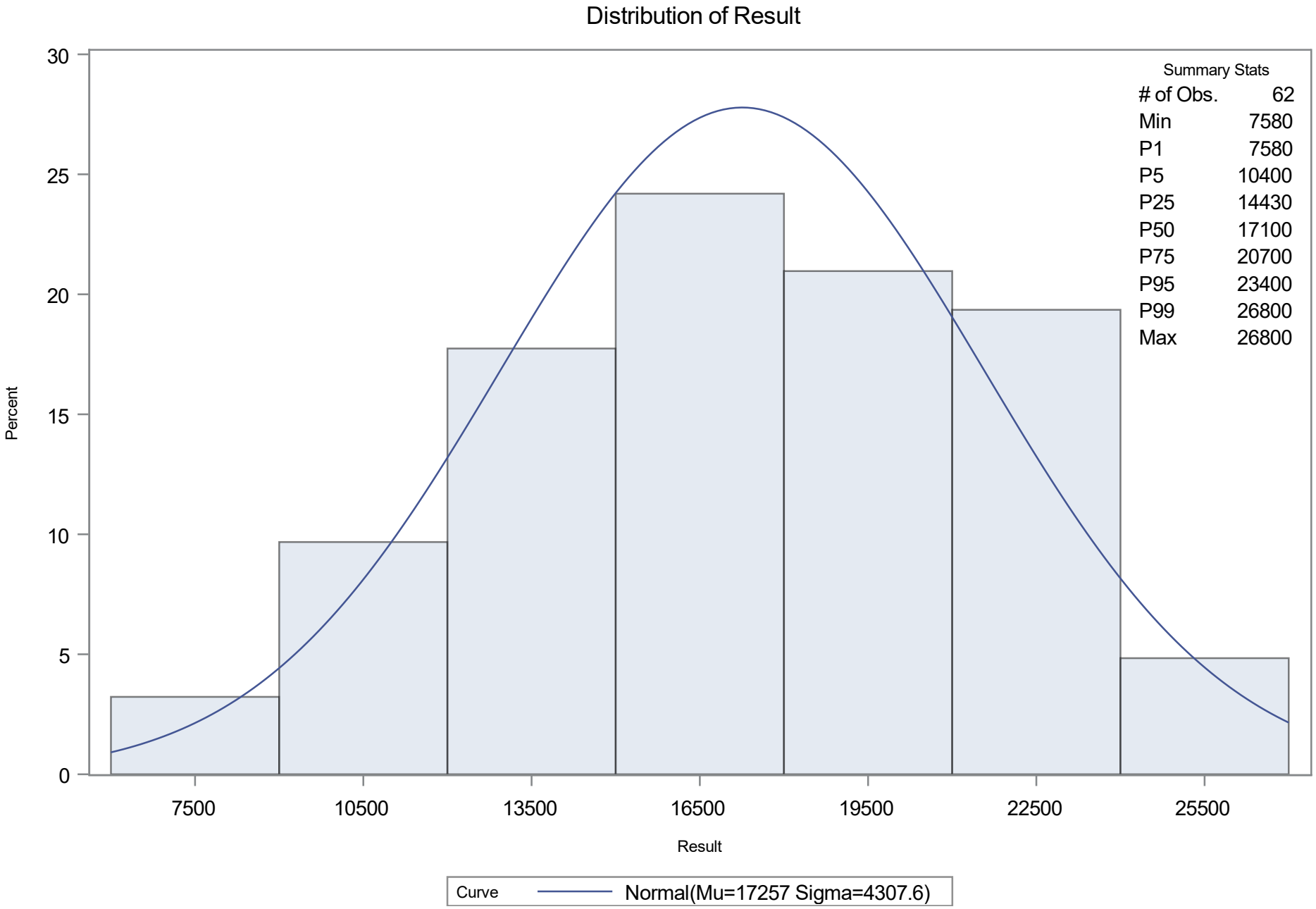

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1509
Result
40000
35000
30000
25000
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1509
Result
25000
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17256.77
Std Dev	Sigma	4307.62

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06194648	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02486602	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.17354465	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7580.00	7235.75
5.0	10400.00	10171.37
10.0	11880.00	11736.34
25.0	14430.00	14351.33
50.0	17100.00	17256.77
75.0	20700.00	20162.22
90.0	23000.00	22777.21
95.0	23400.00	24342.18
99.0	26800.00	27277.80

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1509

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14060.00	15500.00	19962.35	21200.00	23200.00	26800.00
P4	24	7580.00	13495.00	16402.92	16550.00	19600.00	22800.00
P5	21	8150.00	13580.00	16042.38	17100.00	18800.00	23200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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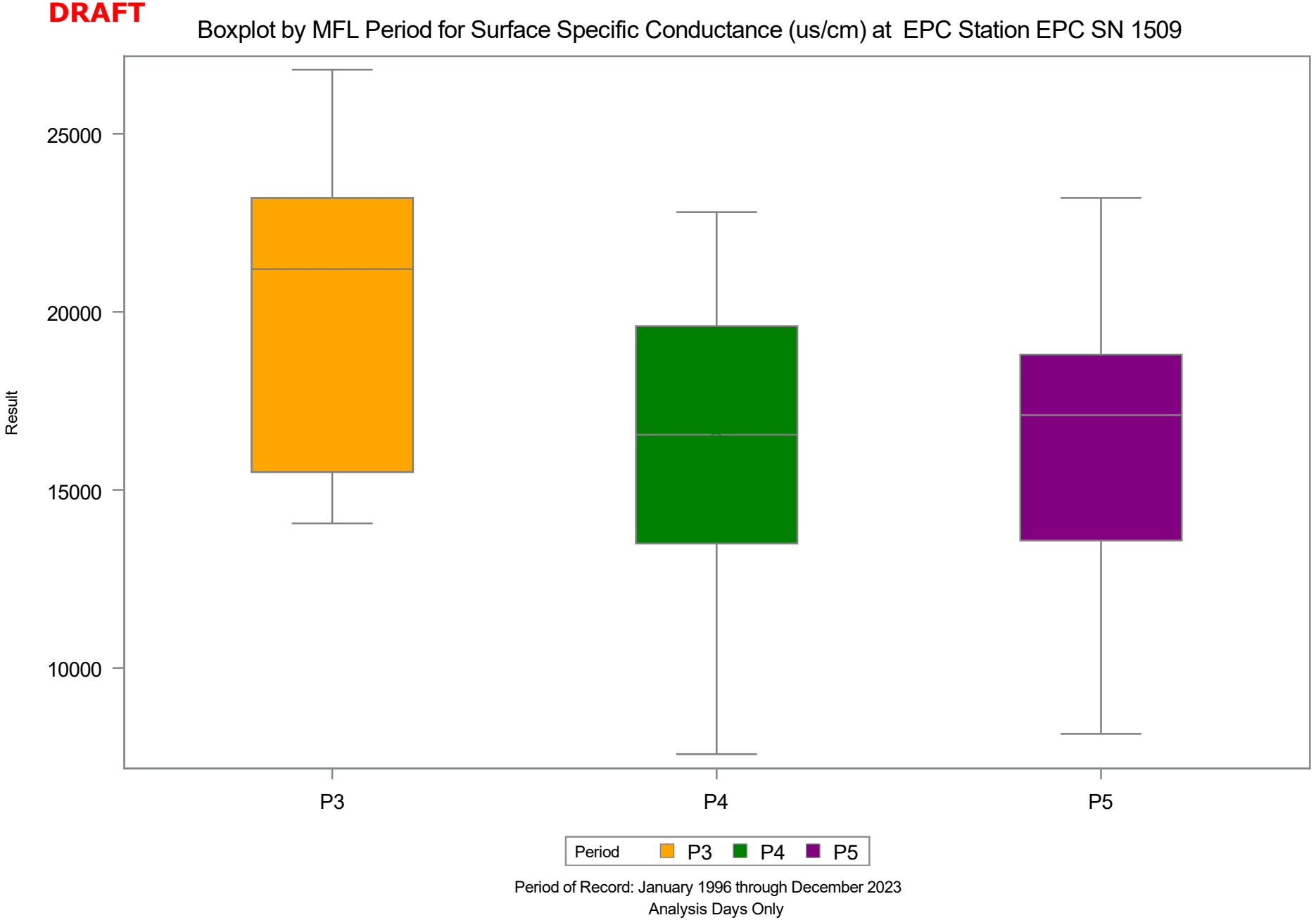
Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1509
Result
25000
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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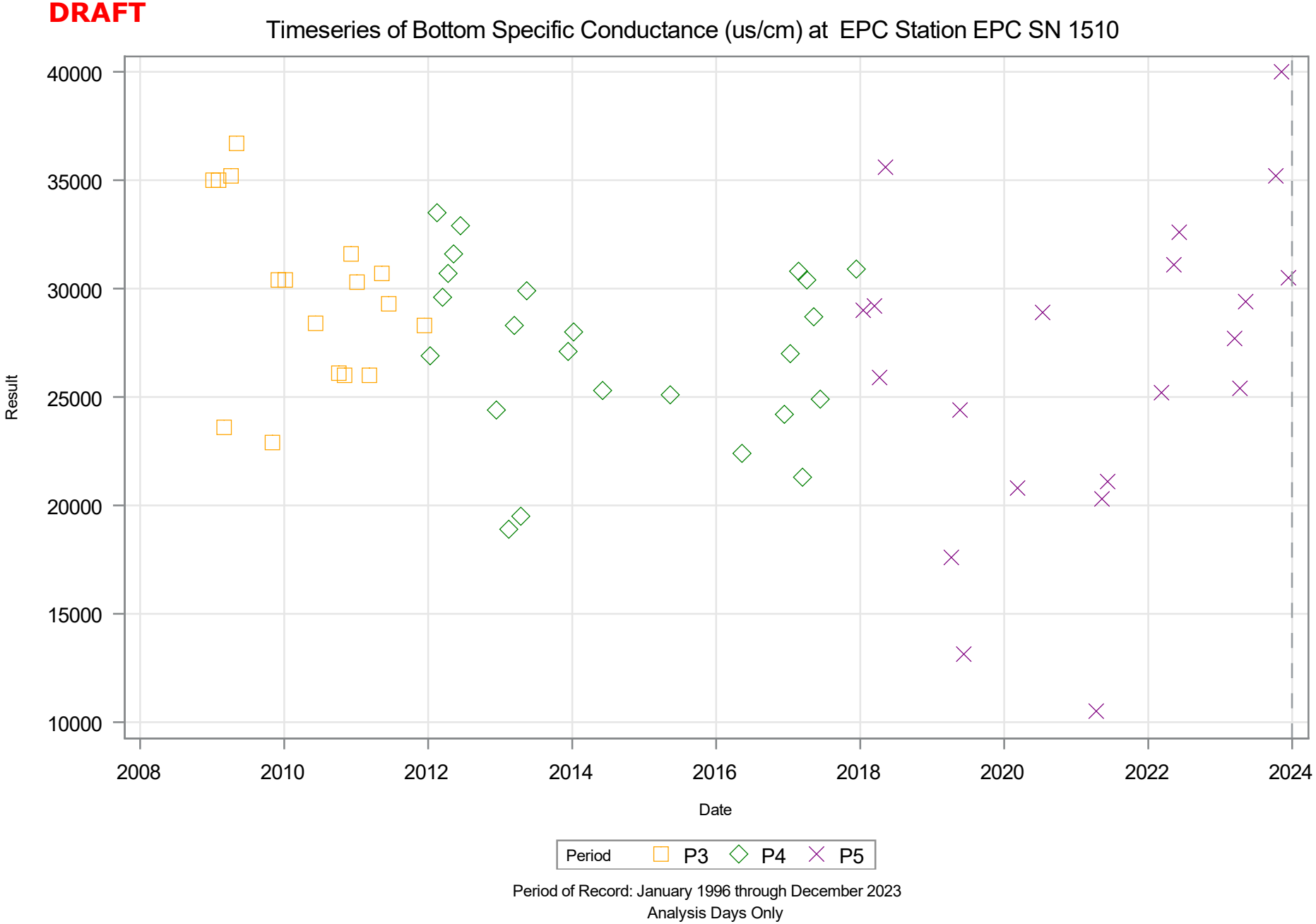
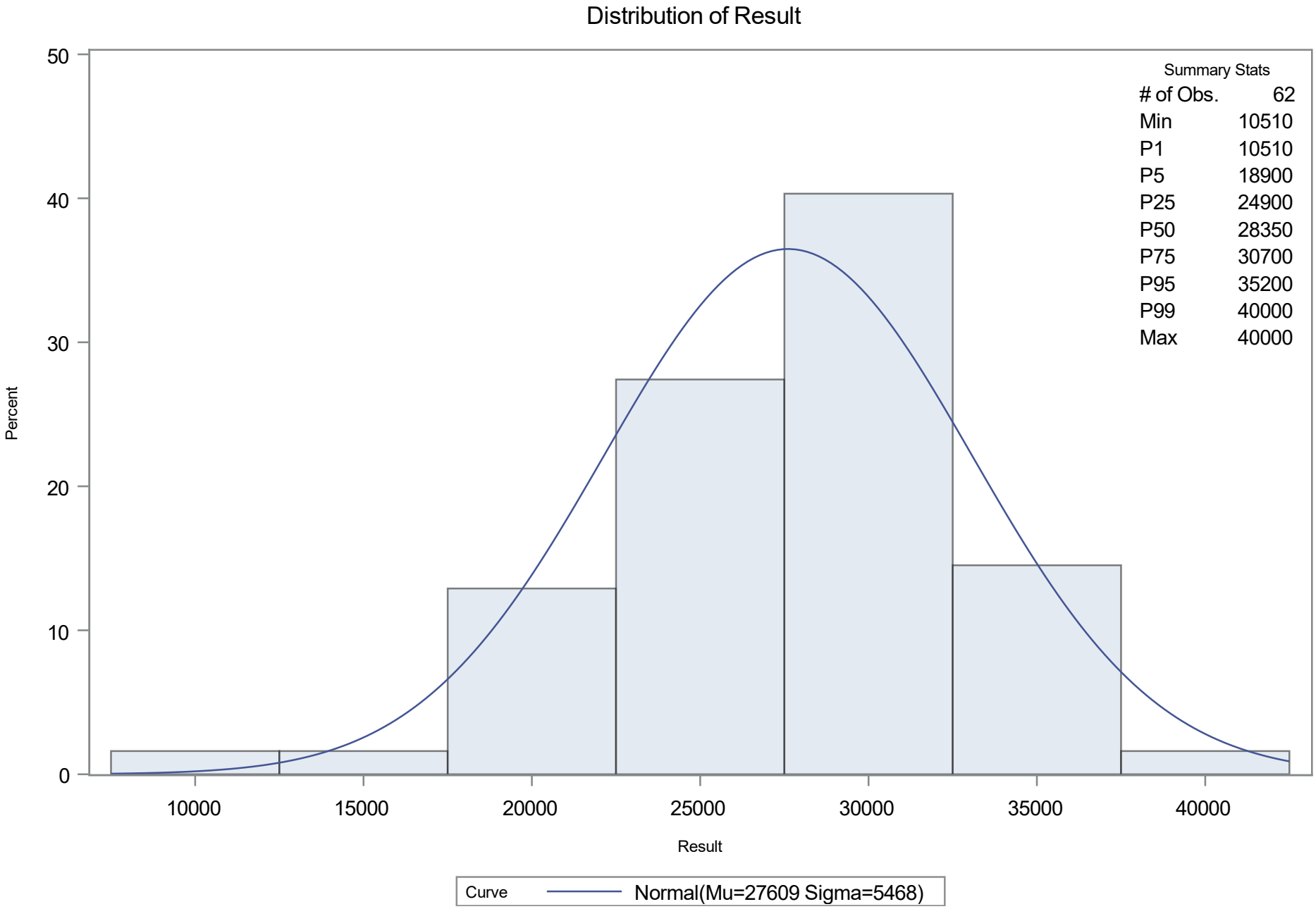

Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1510
Result
40000
35000
30000
25000
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	27608.87
Std Dev	Sigma	5468.007

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08254846	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09277367	**Pr > W-Sq**	0.140
Anderson-Darling	**A-Sq**	0.55530287	**Pr > A-Sq**	0.149

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10510.0	14888.4
5.0	18900.0	18614.8
10.0	20800.0	20601.3
25.0	24900.0	23920.8
50.0	28350.0	27608.9
75.0	30700.0	31297.0
90.0	35000.0	34616.4
95.0	35200.0	36602.9
99.0	40000.0	40329.4

Period of Record: January 1996 through December 2023
Analysis Days Only

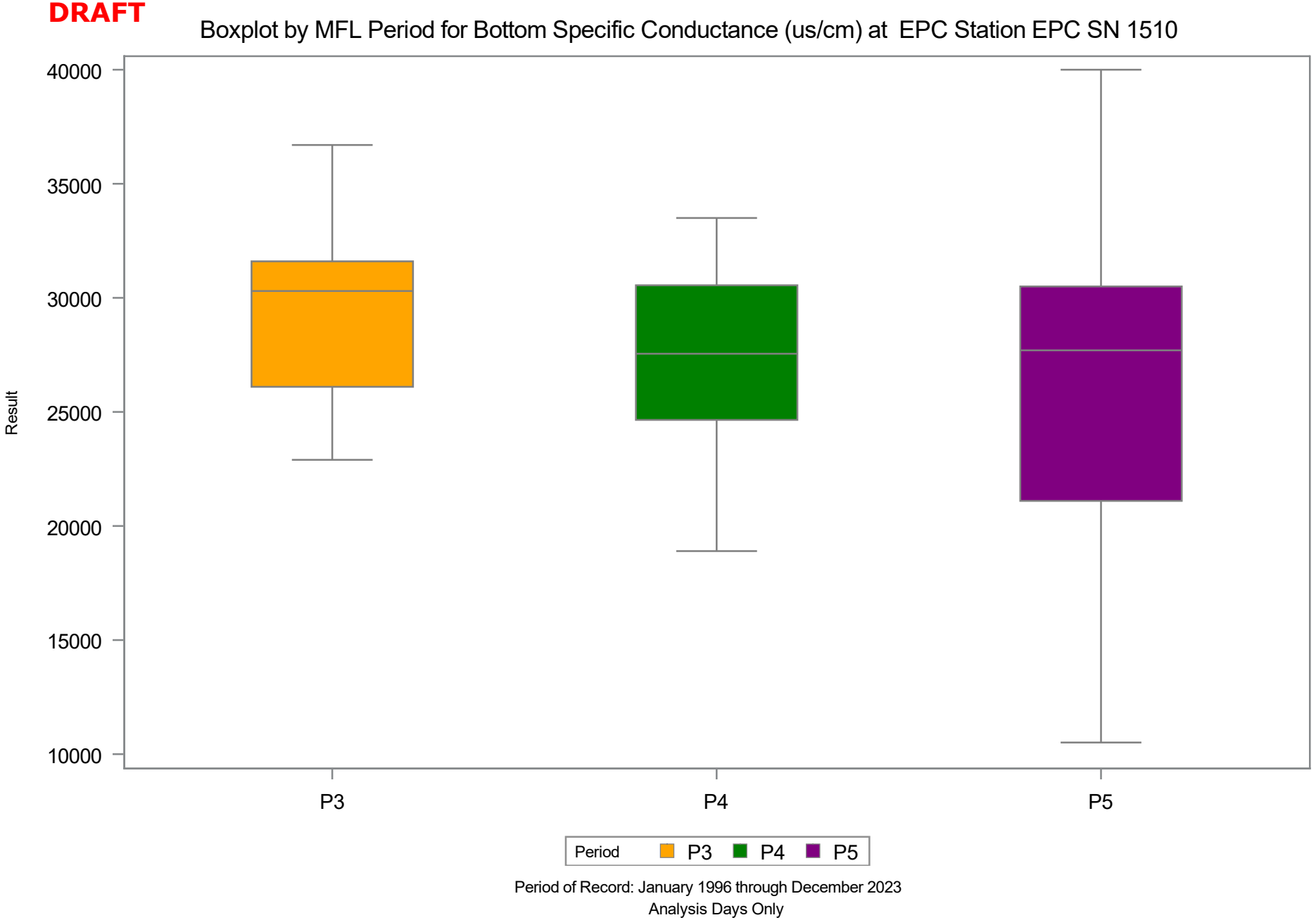
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1510

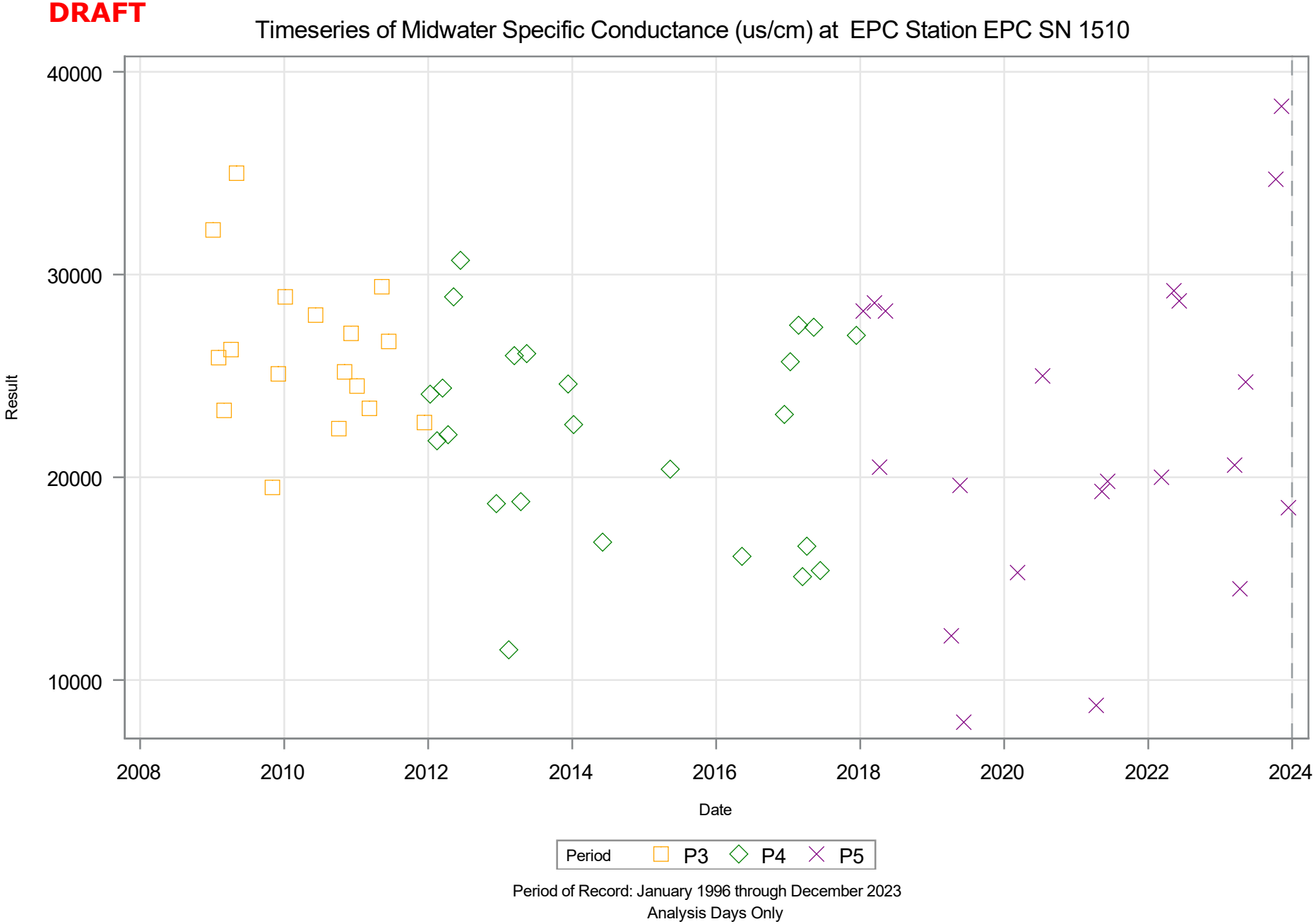
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	22900.00	26100.00	29758.82	30300.00	31600.00	36700.00
P4	24	18900.00	24650.00	27179.17	27550.00	30550.00	33500.00
P5	21	10510.00	21100.00	26359.52	27700.00	30500.00	40000.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

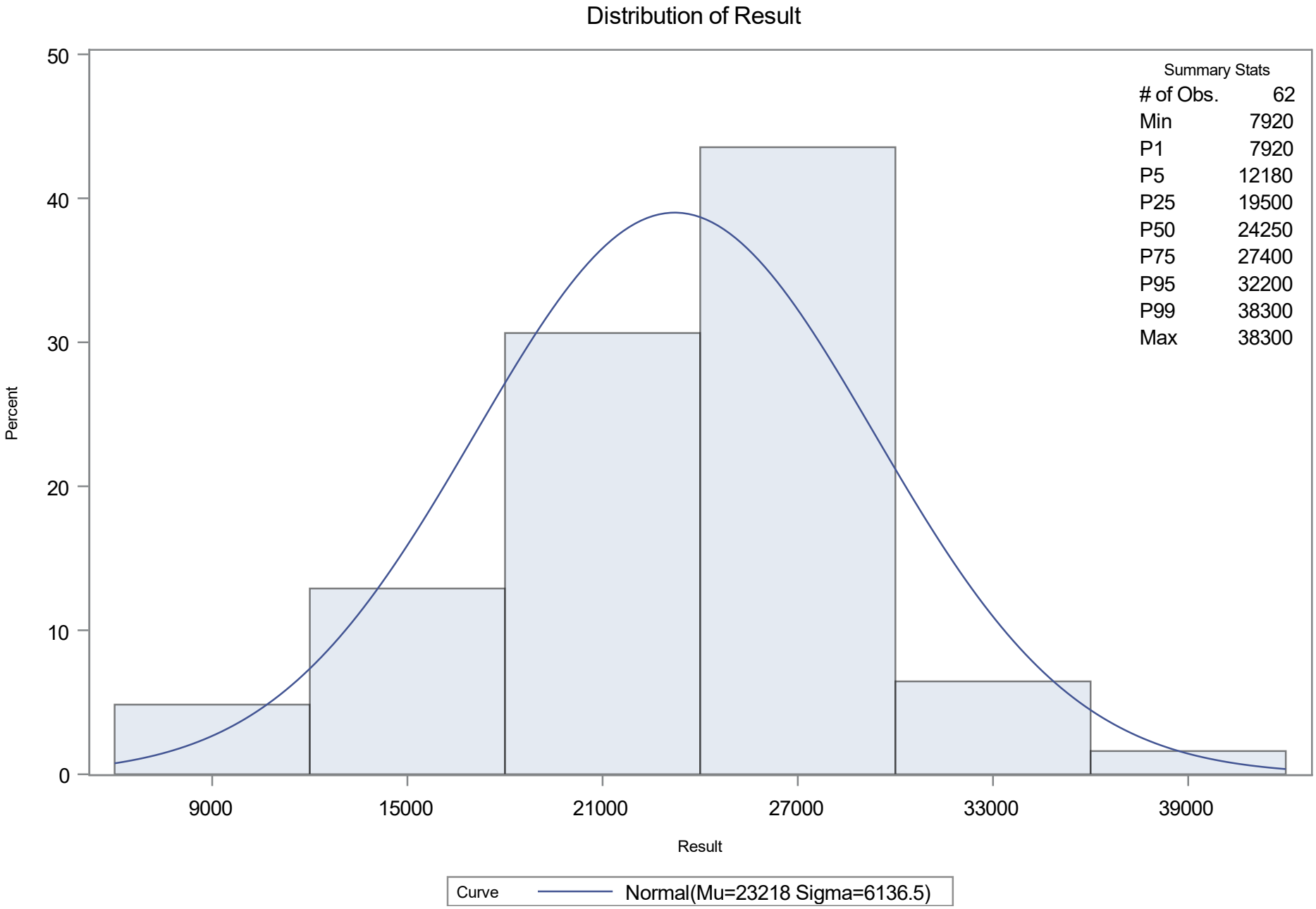

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1510
Result
40000
35000
30000
25000
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1510
Result
40000
30000
20000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23218.39
Std Dev	Sigma	6136.54

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07634571	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06408986	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.39122965	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7920.00	8942.66
5.0	12180.00	13124.68
10.0	15300.00	15354.09
25.0	19500.00	19079.35
50.0	24250.00	23218.39
75.0	27400.00	27357.42
90.0	29200.00	31082.68
95.0	32200.00	33312.10
99.0	38300.00	37494.11

Period of Record: January 1996 through December 2023
Analysis Days Only

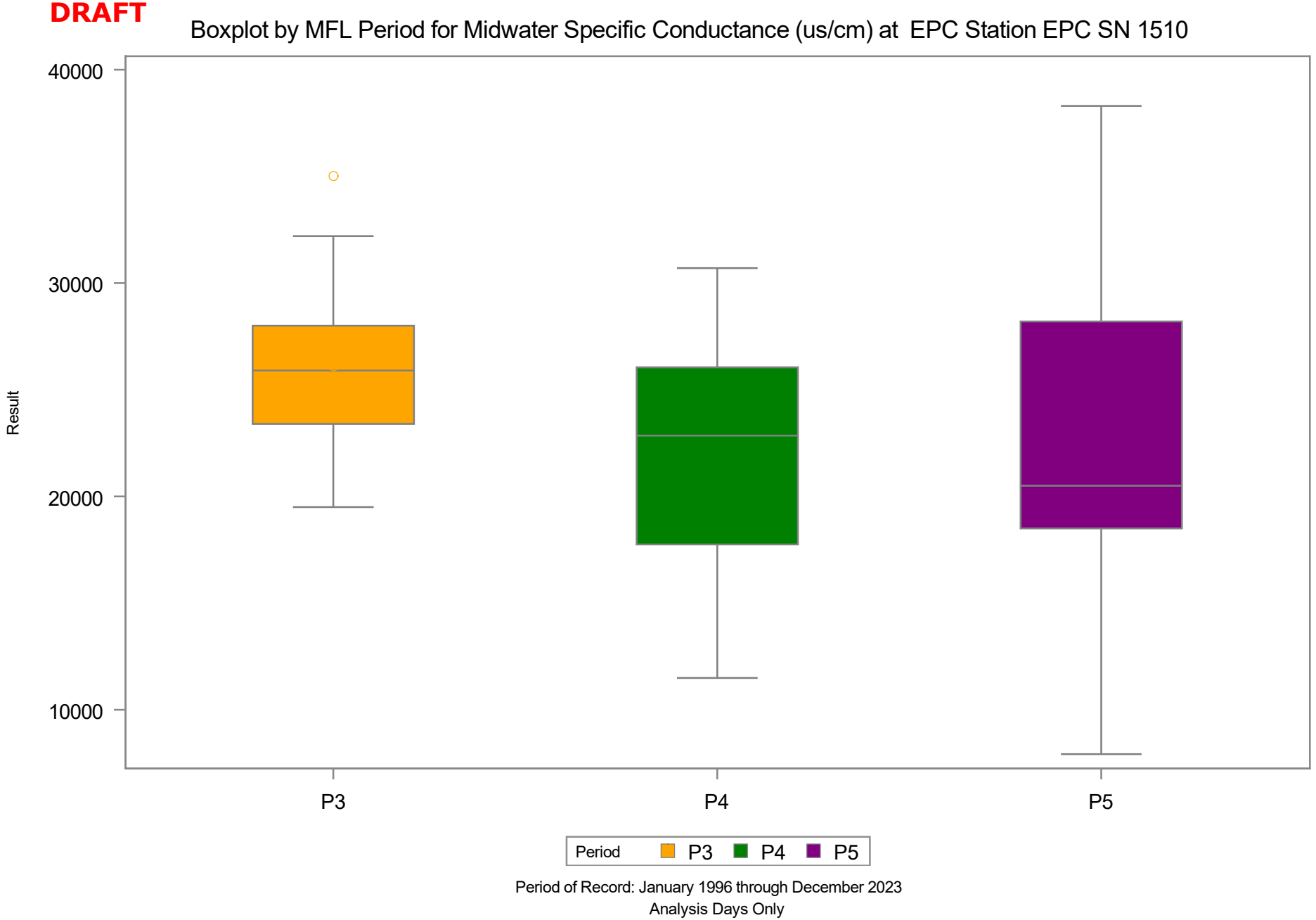
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1510

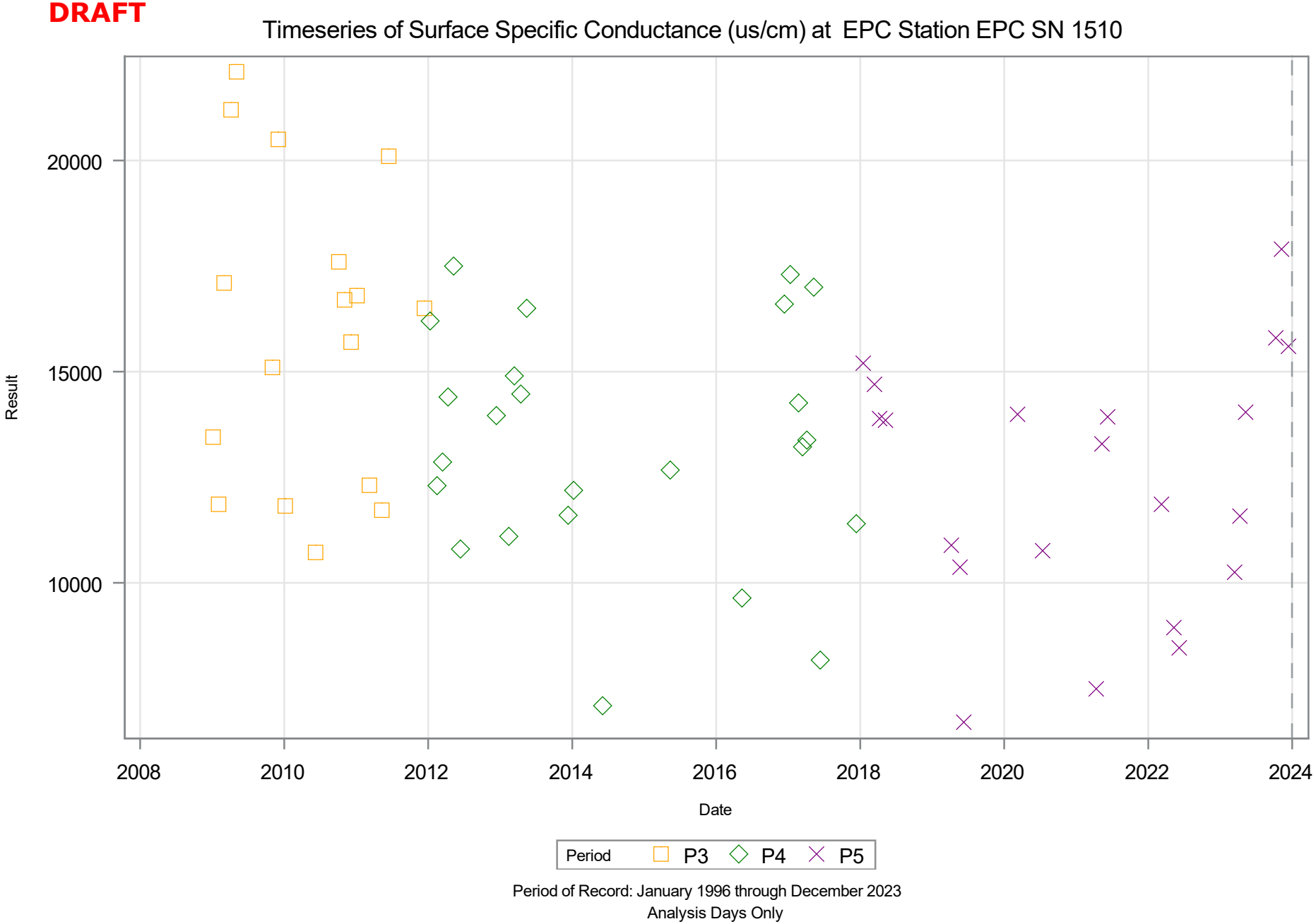
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	19500.00	23400.00	26211.76	25900.00	28000.00	35000.00
P4	24	11490.00	17750.00	22141.25	22850.00	26050.00	30700.00
P5	21	7920.00	18500.00	22026.19	20500.00	28200.00	38300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

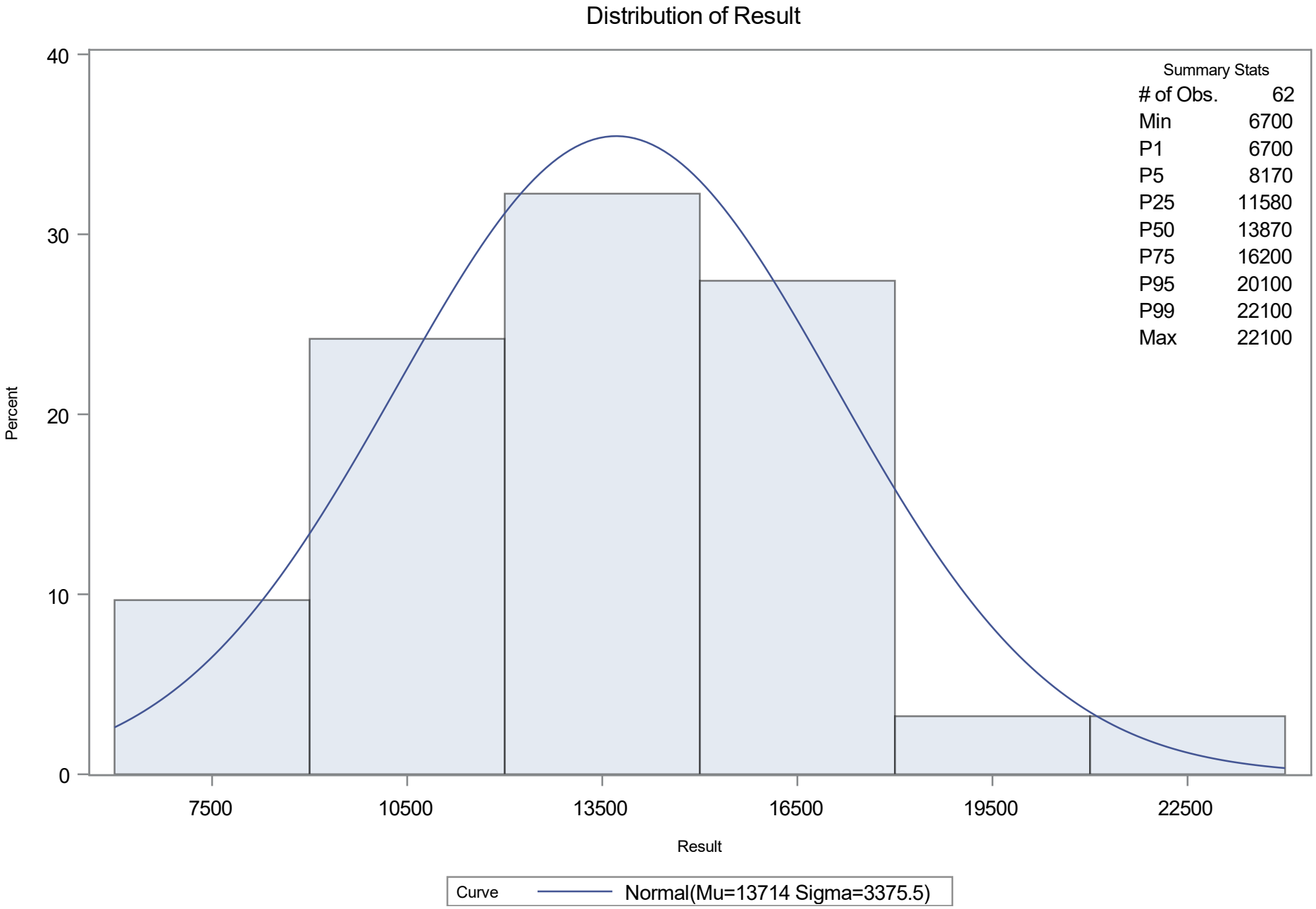

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1510
40000
30000
20000
10000
Result
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1510
Result
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13714.19
Std Dev	Sigma	3375.497

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04839035	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02425794	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20153443	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6700.00	5861.61
5.0	8170.00	8162.00
10.0	9640.00	9388.32
25.0	11580.00	11437.46
50.0	13870.00	13714.19
75.0	16200.00	15990.93
90.0	17500.00	18040.07
95.0	20100.00	19266.39
99.0	22100.00	21566.77

Period of Record: January 1996 through December 2023
Analysis Days Only

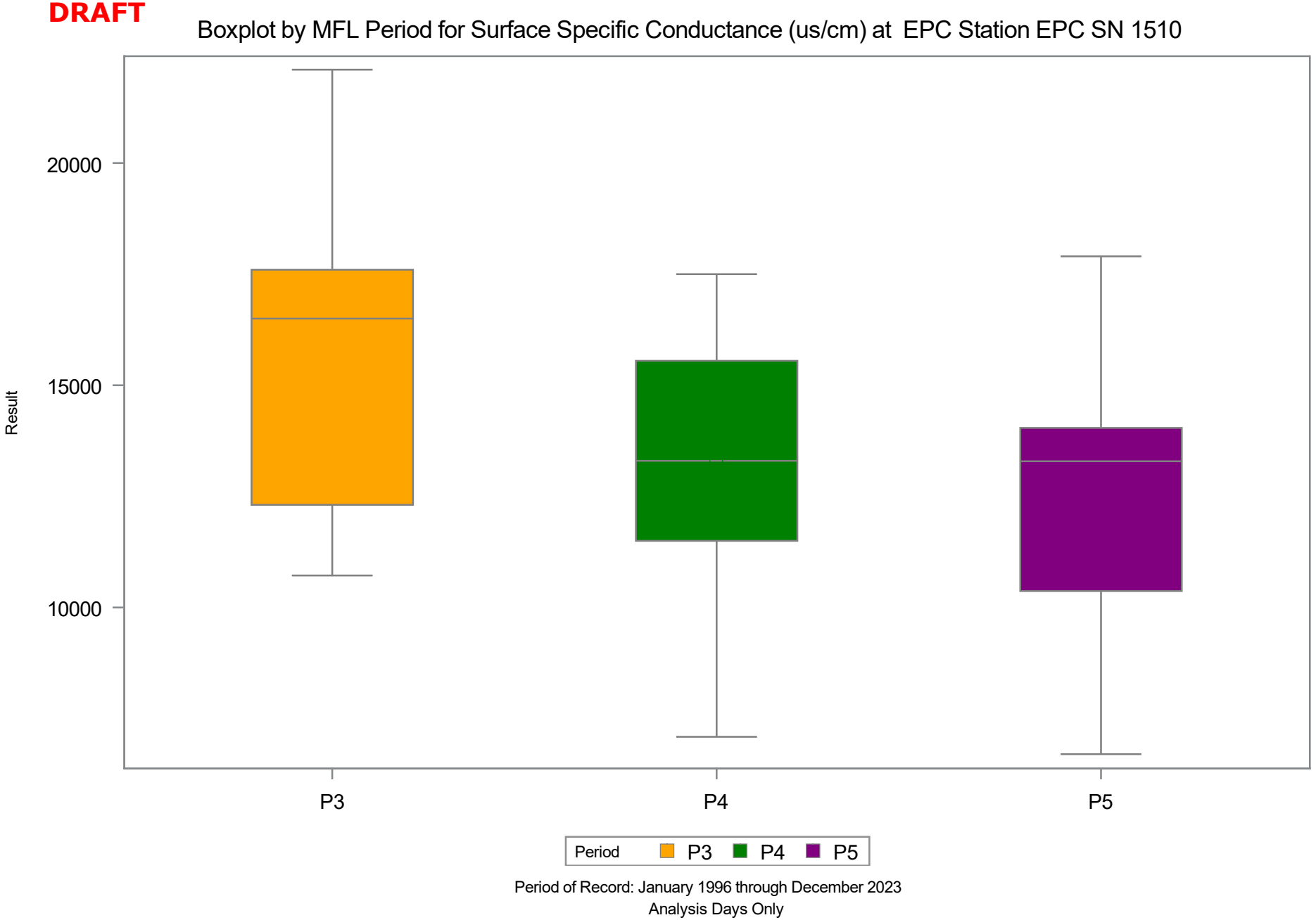
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1510

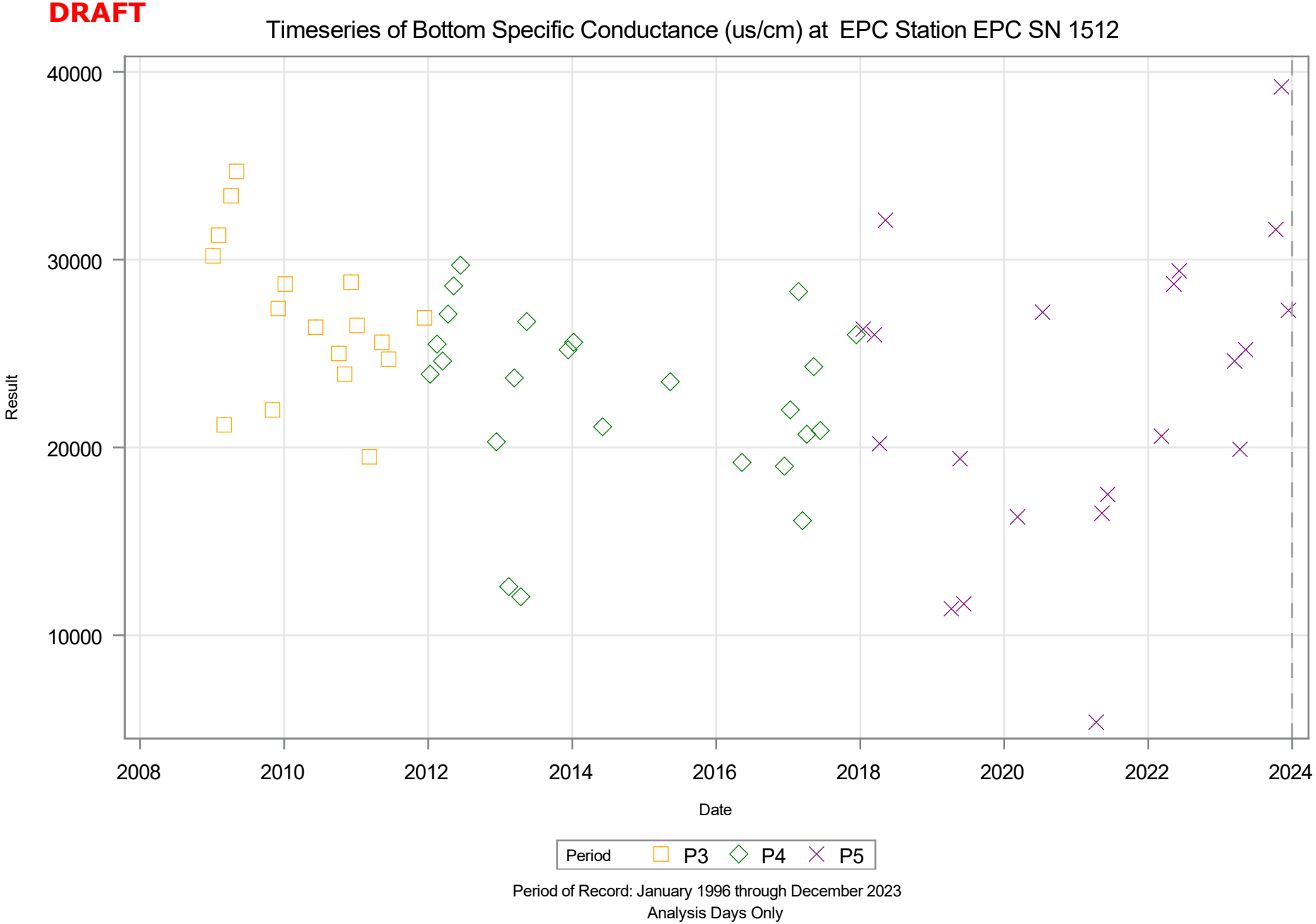
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	10720.00	12310.00	15957.65	16500.00	17600.00	22100.00
P4	24	7090.00	11500.00	13312.92	13300.00	15550.00	17500.00
P5	21	6700.00	10370.00	12356.67	13290.00	14040.00	17900.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1510
Result
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

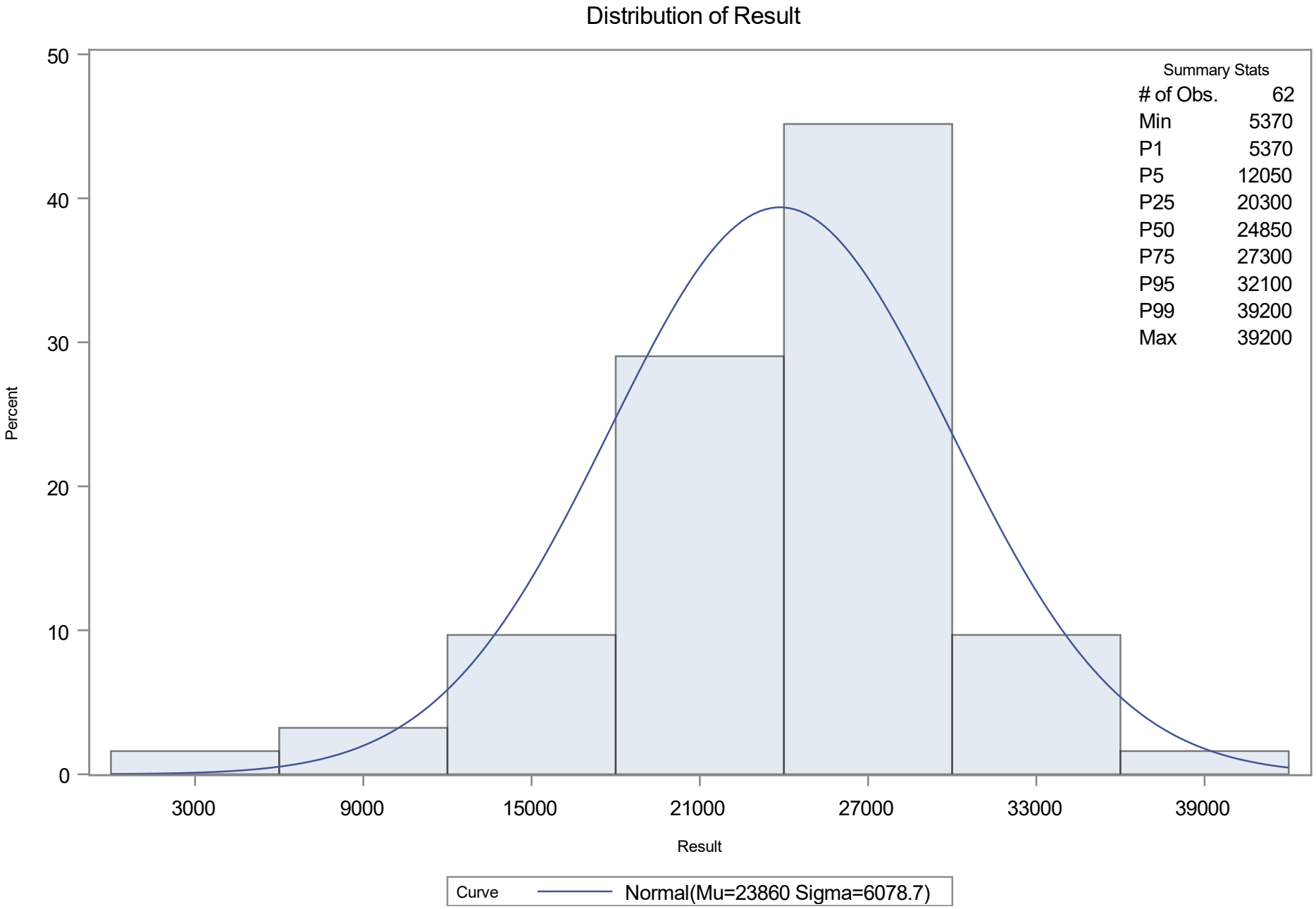
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23859.52
Std Dev	Sigma	6078.72

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10545121	**Pr > D**	0.086
Cramer-von Mises	**W-Sq**	0.11441922	**Pr > W-Sq**	0.074
Anderson-Darling	**A-Sq**	0.66095419	**Pr > A-Sq**	0.084

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5370.00	9718.30
5.0	12050.00	13860.91
10.0	16300.00	16069.32
25.0	20300.00	19759.48
50.0	24850.00	23859.52
75.0	27300.00	27959.55
90.0	30200.00	31649.71
95.0	32100.00	33858.12
99.0	39200.00	38000.73

Period of Record: January 1996 through December 2023
Analysis Days Only

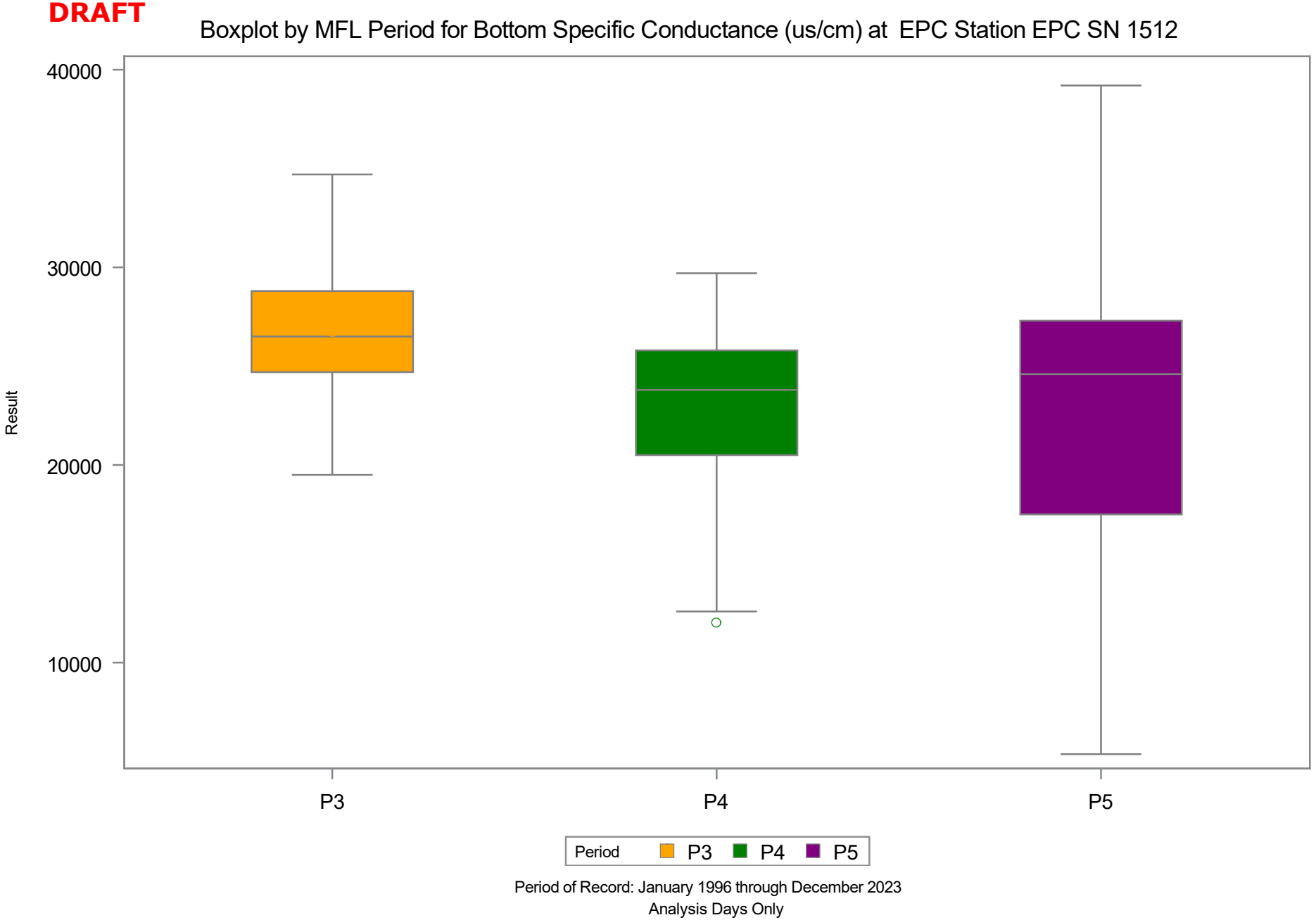
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1512

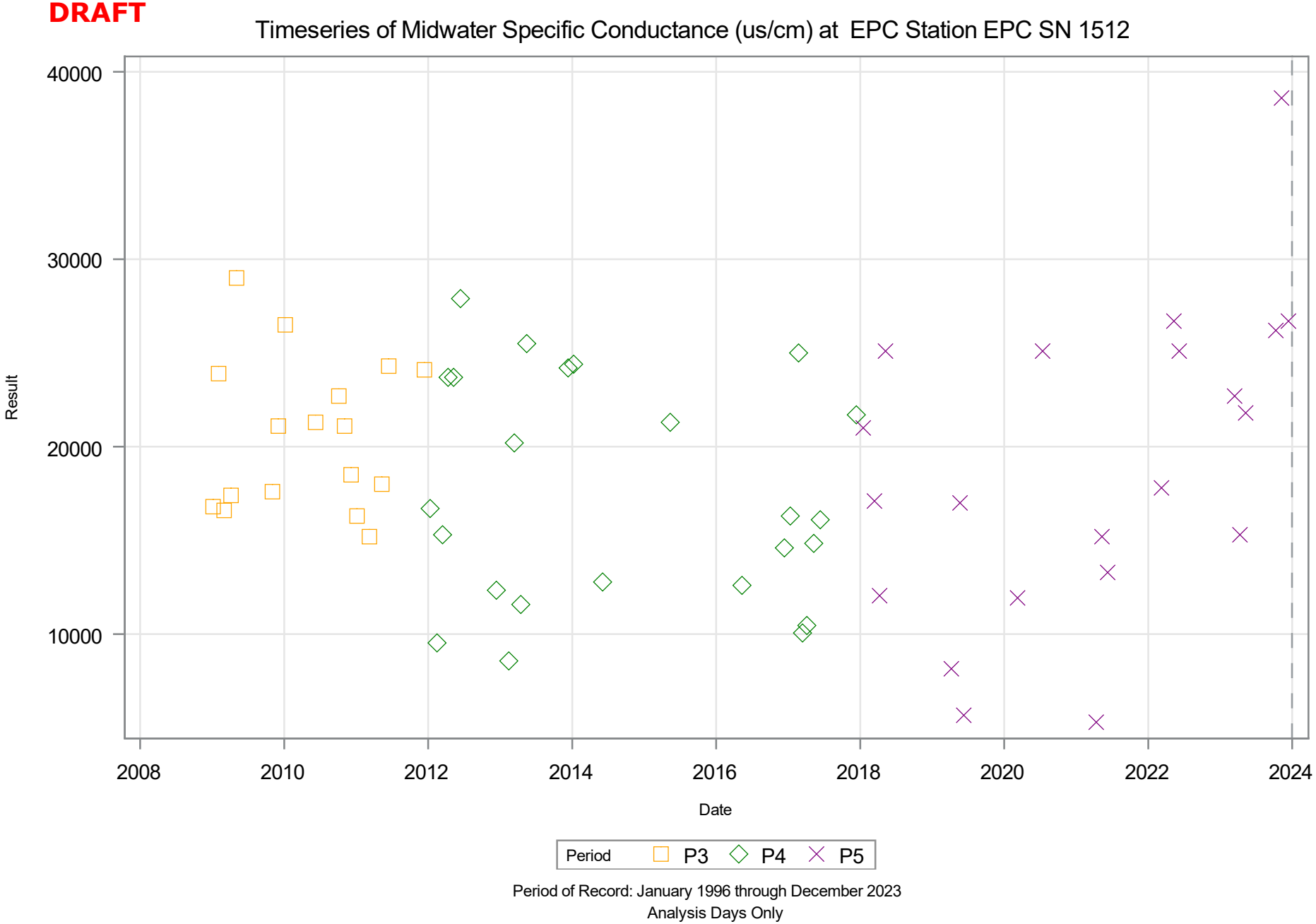
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	19500.00	24700.00	26835.29	26500.00	28800.00	34700.00
P4	24	12050.00	20500.00	22776.67	23800.00	25800.00	29700.00
P5	21	5370.00	17500.00	22688.10	24600.00	27300.00	39200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

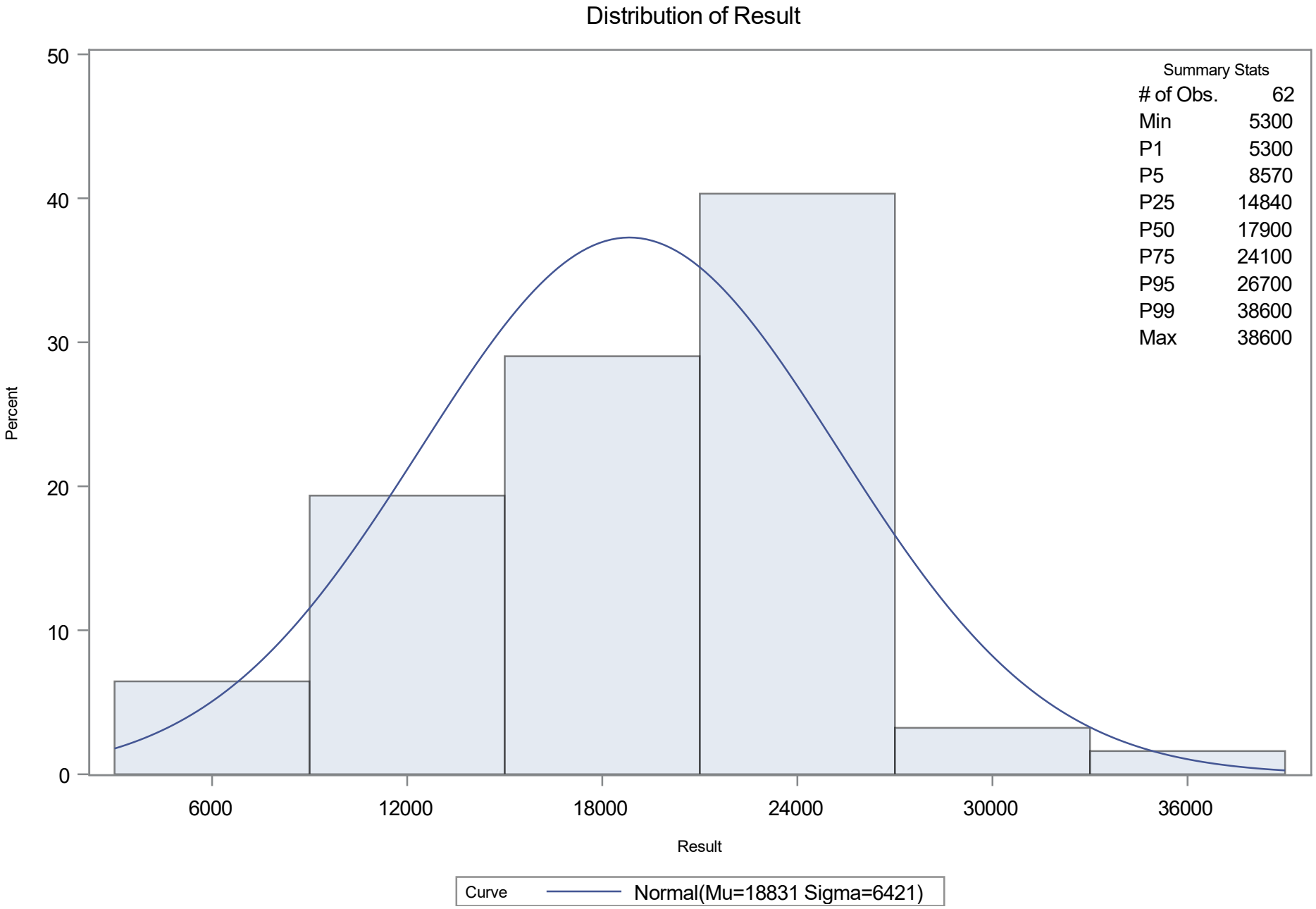

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1512
Result
40000
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1512
Result
40000
30000
20000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18831.45
Std Dev	Sigma	6421.019

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08382826	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07466996	**Pr > W-Sq**	0.243
Anderson-Darling	**A-Sq**	0.46822421	**Pr > A-Sq**	0.245

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5300.00	3893.93
5.0	8570.00	8269.82
10.0	10460.00	10602.58
25.0	14840.00	14500.54
50.0	17900.00	18831.45
75.0	24100.00	23162.36
90.0	26200.00	27060.32
95.0	26700.00	29393.09
99.0	38600.00	33768.98

Period of Record: January 1996 through December 2023
Analysis Days Only

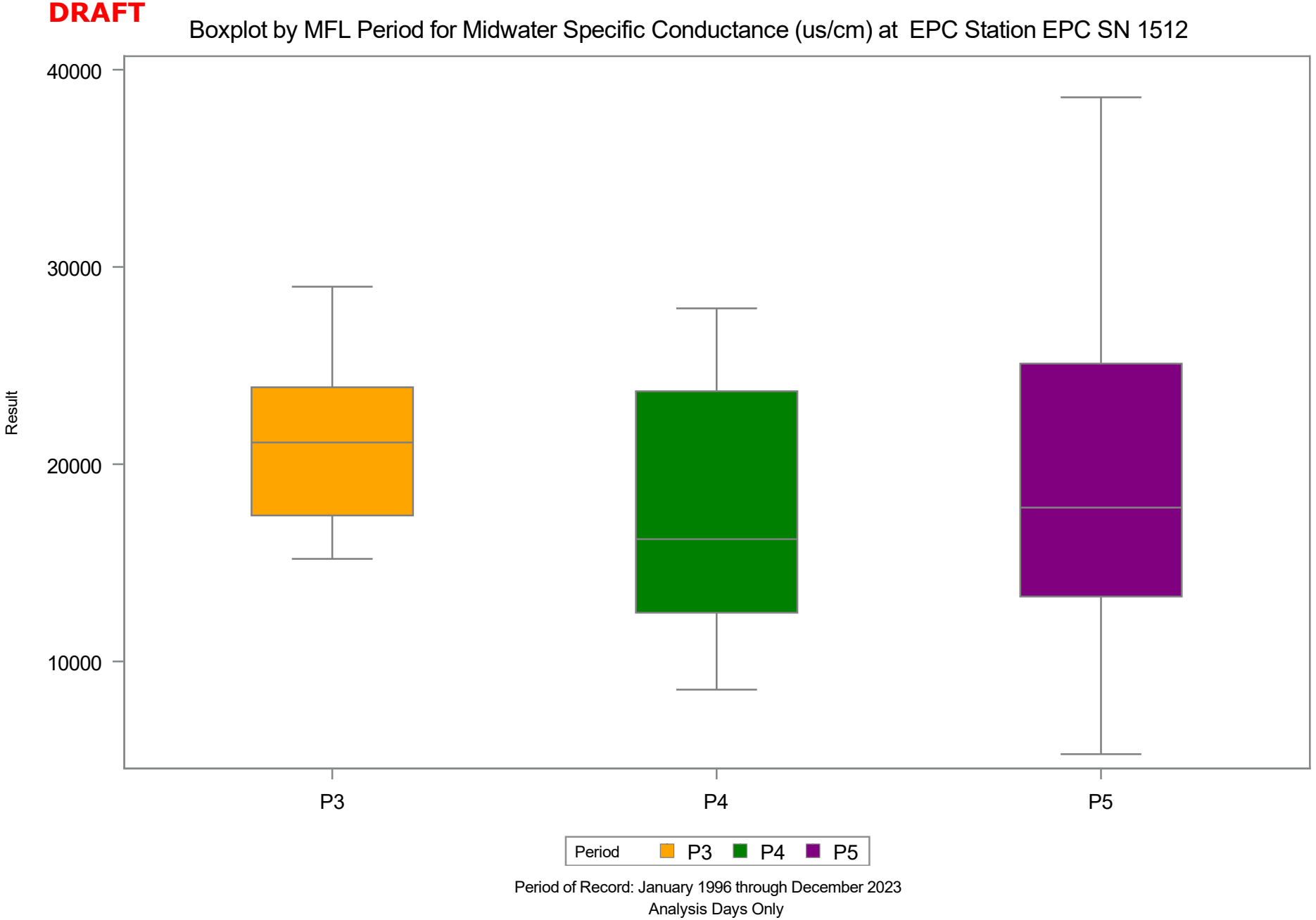
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1512

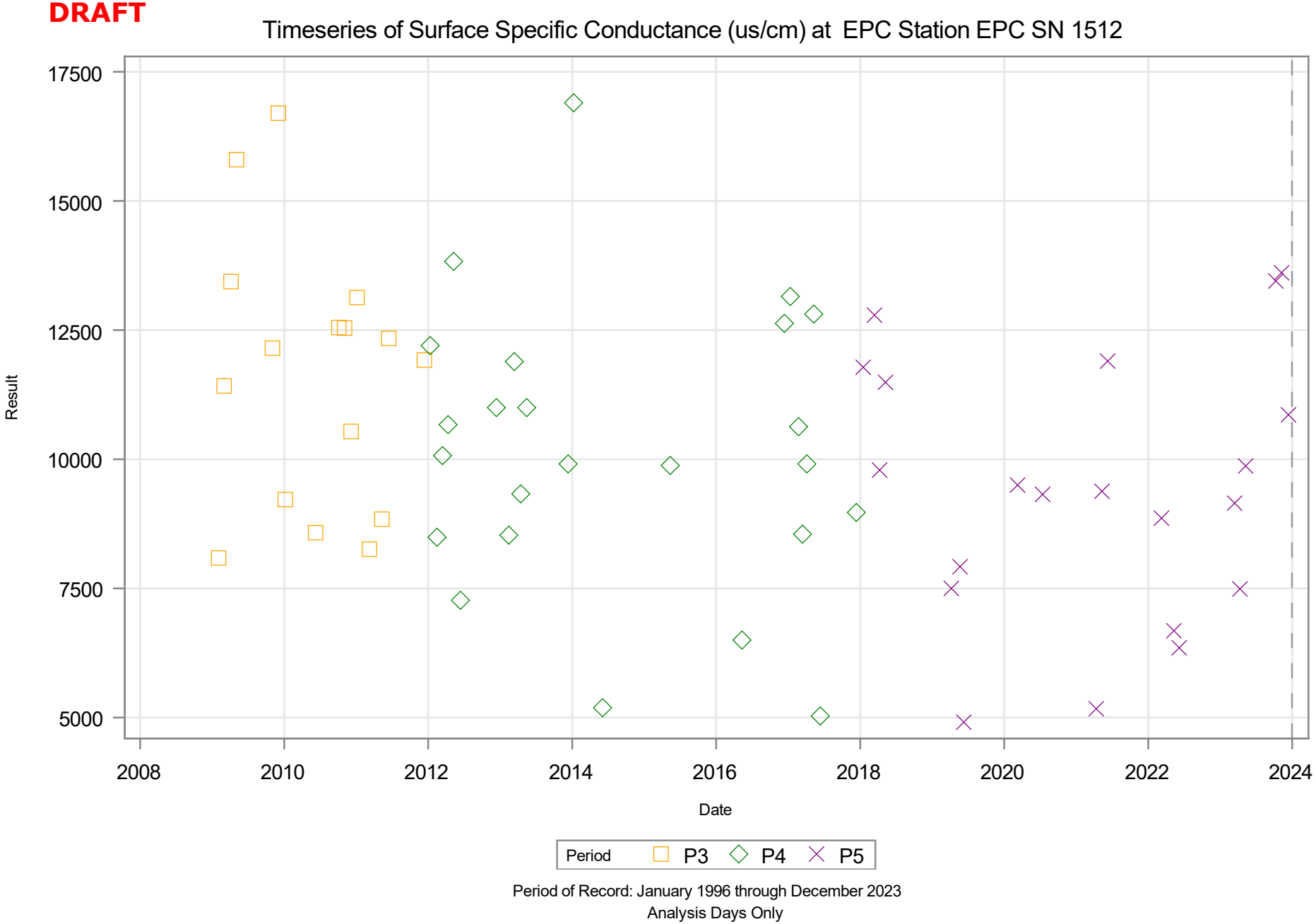
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15200.00	17400.00	20611.76	21100.00	23900.00	29000.00
P4	24	8570.00	12470.00	17473.33	16200.00	23700.00	27900.00
P5	21	5300.00	13290.00	18942.38	17800.00	25100.00	38600.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

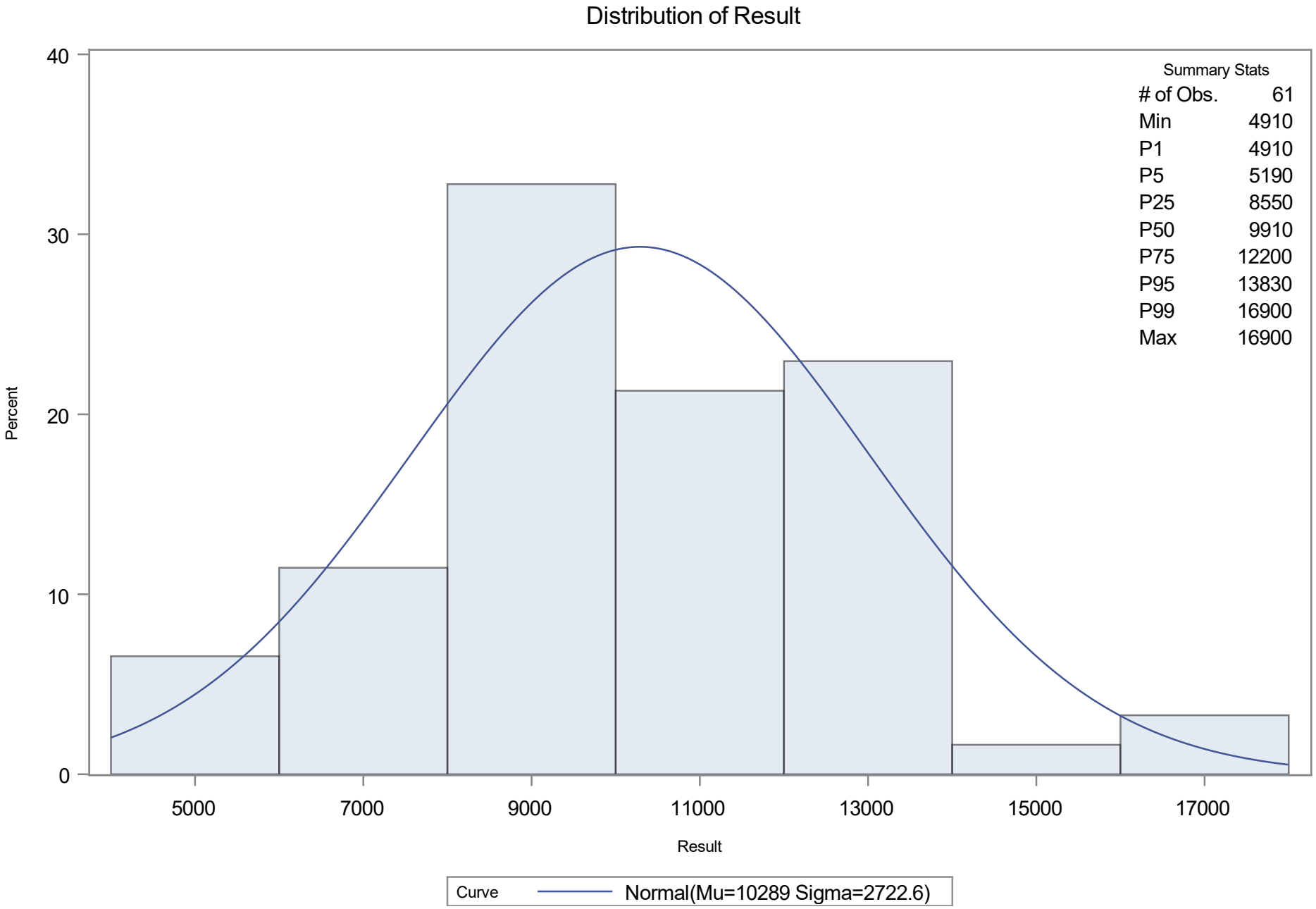

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1512
Result
40000
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1512
Result
17500
15000
12500
10000
7500
5000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10289.02
Std Dev	Sigma	2722.603

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06355503	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03019029	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.24821419	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4910.00	3955.30
5.0	5190.00	5810.73
10.0	6680.00	6799.86
25.0	8550.00	8452.65
50.0	9910.00	10289.02
75.0	12200.00	12125.38
90.0	13440.00	13778.17
95.0	13830.00	14767.30
99.0	16900.00	16622.74

Period of Record: January 1996 through December 2023
Analysis Days Only

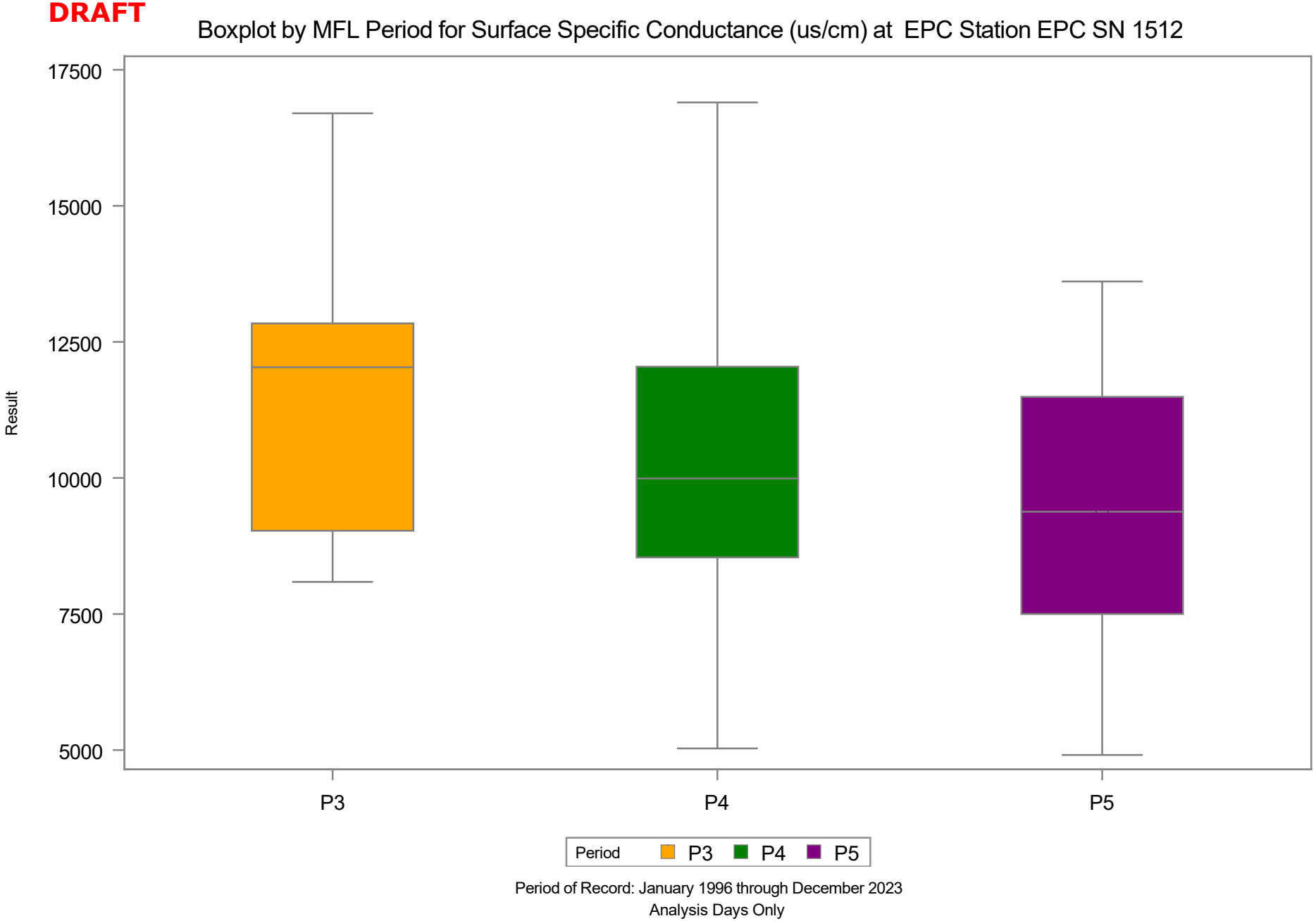
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1512

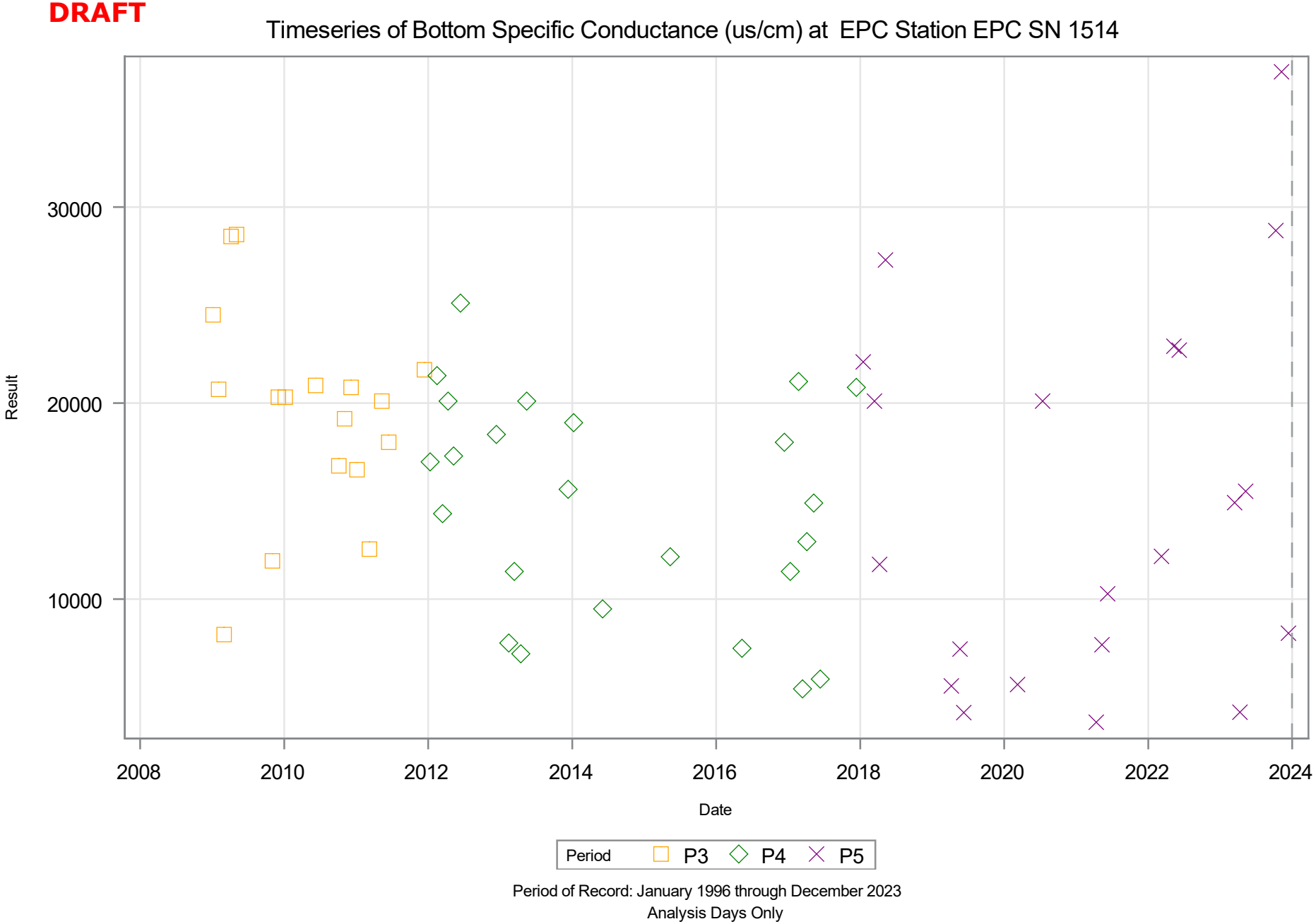
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	8090.00	9030.00	11595.00	12035.00	12840.00	16700.00
P4	24	5030.00	8540.00	10180.83	9990.00	12045.00	16900.00
P5	21	4910.00	7500.00	9417.62	9380.00	11490.00	13610.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

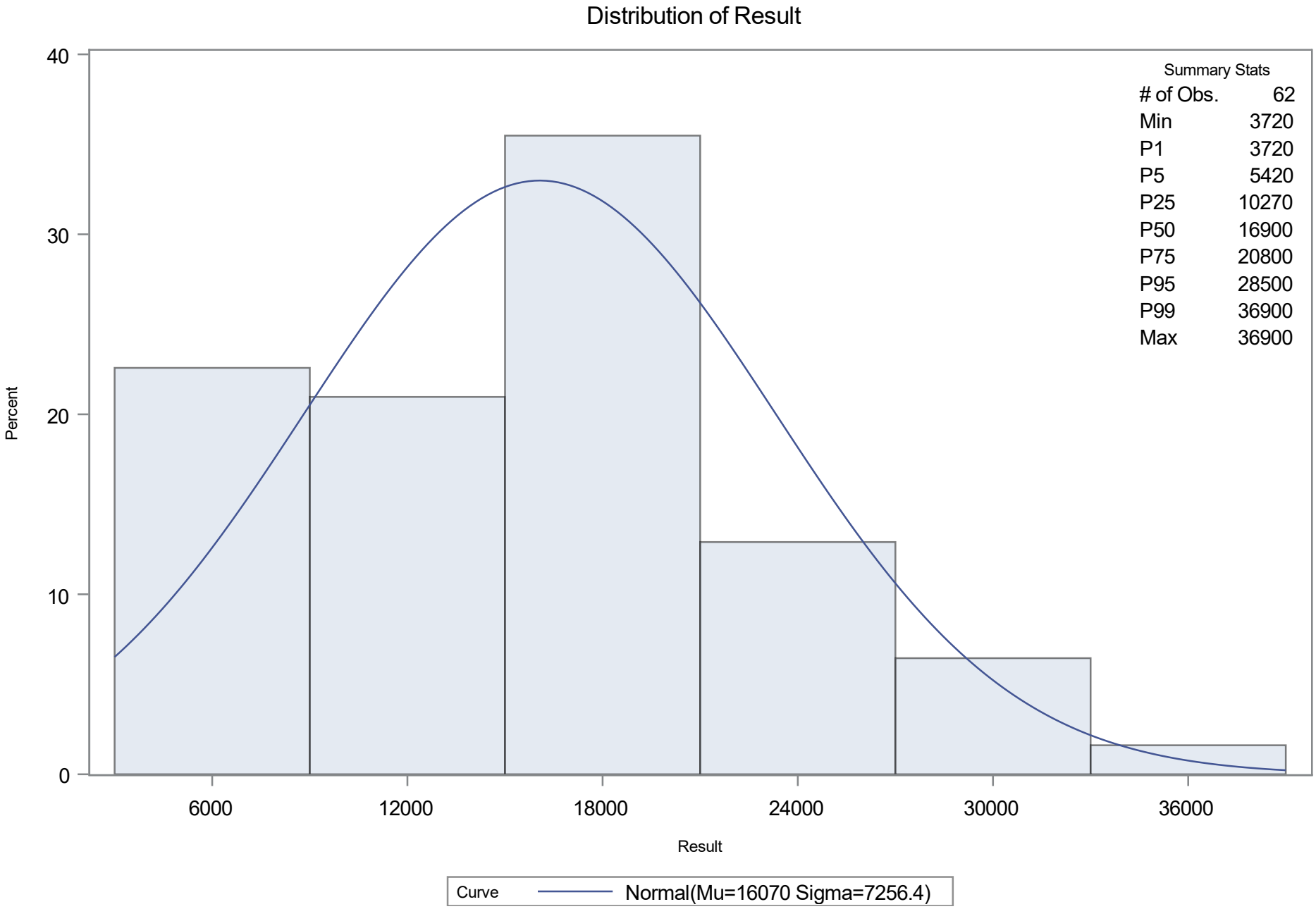

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1512
Result
17500
15000
12500
10000
7500
5000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1514
Result
30000
20000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16070.16
Std Dev	Sigma	7256.428

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09776826	**Pr > D**	0.145
Cramer-von Mises	**W-Sq**	0.10035011	**Pr > W-Sq**	0.111
Anderson-Darling	**A-Sq**	0.64197582	**Pr > A-Sq**	0.092

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3720.00	-810.814
5.0	5420.00	4134.400
10.0	5920.00	6770.675
25.0	10270.00	11175.775
50.0	16900.00	16070.161
75.0	20800.00	20964.547
90.0	24500.00	25369.648
95.0	28500.00	28005.923
99.0	36900.00	32951.136

Period of Record: January 1996 through December 2023
Analysis Days Only

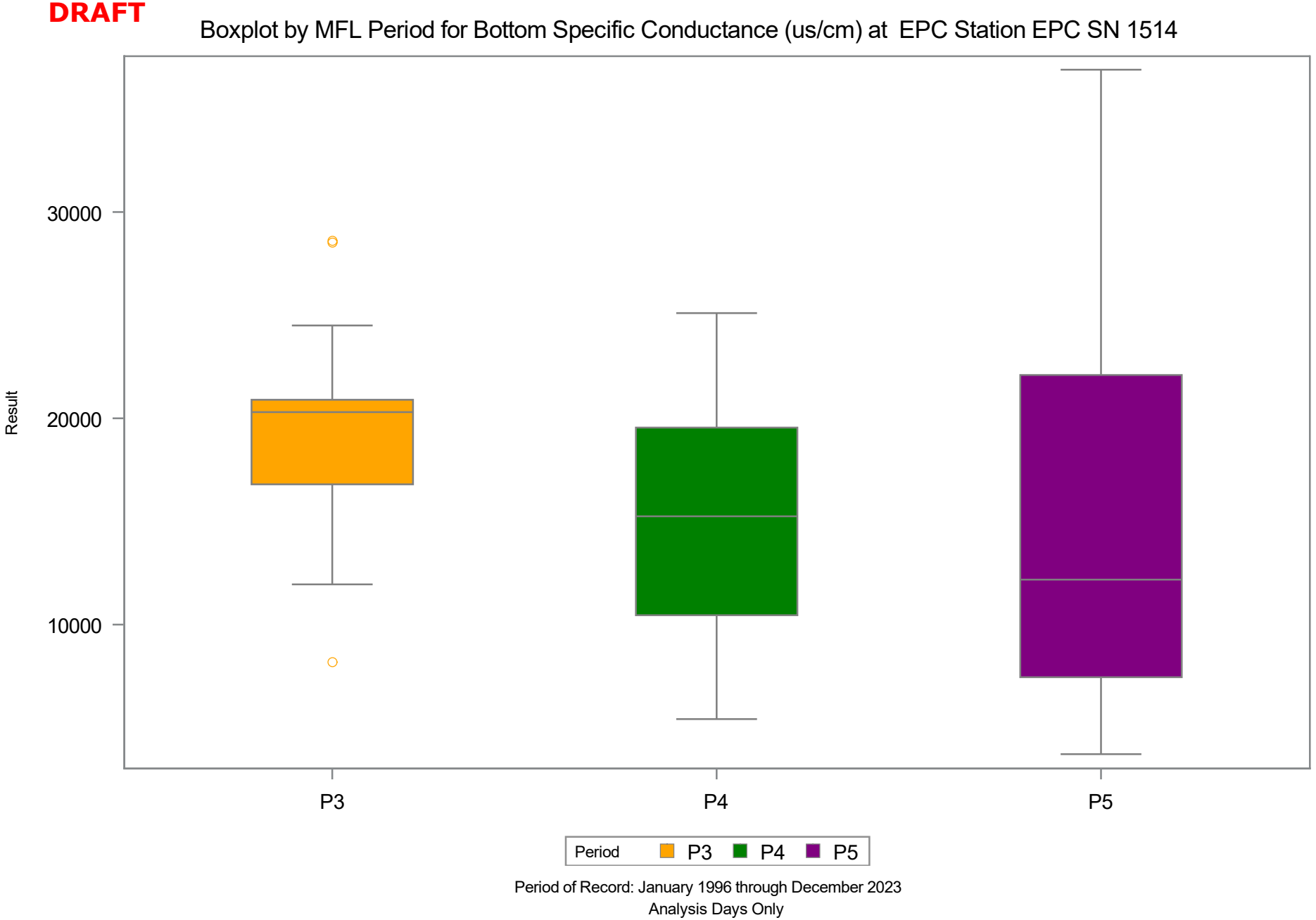
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1514

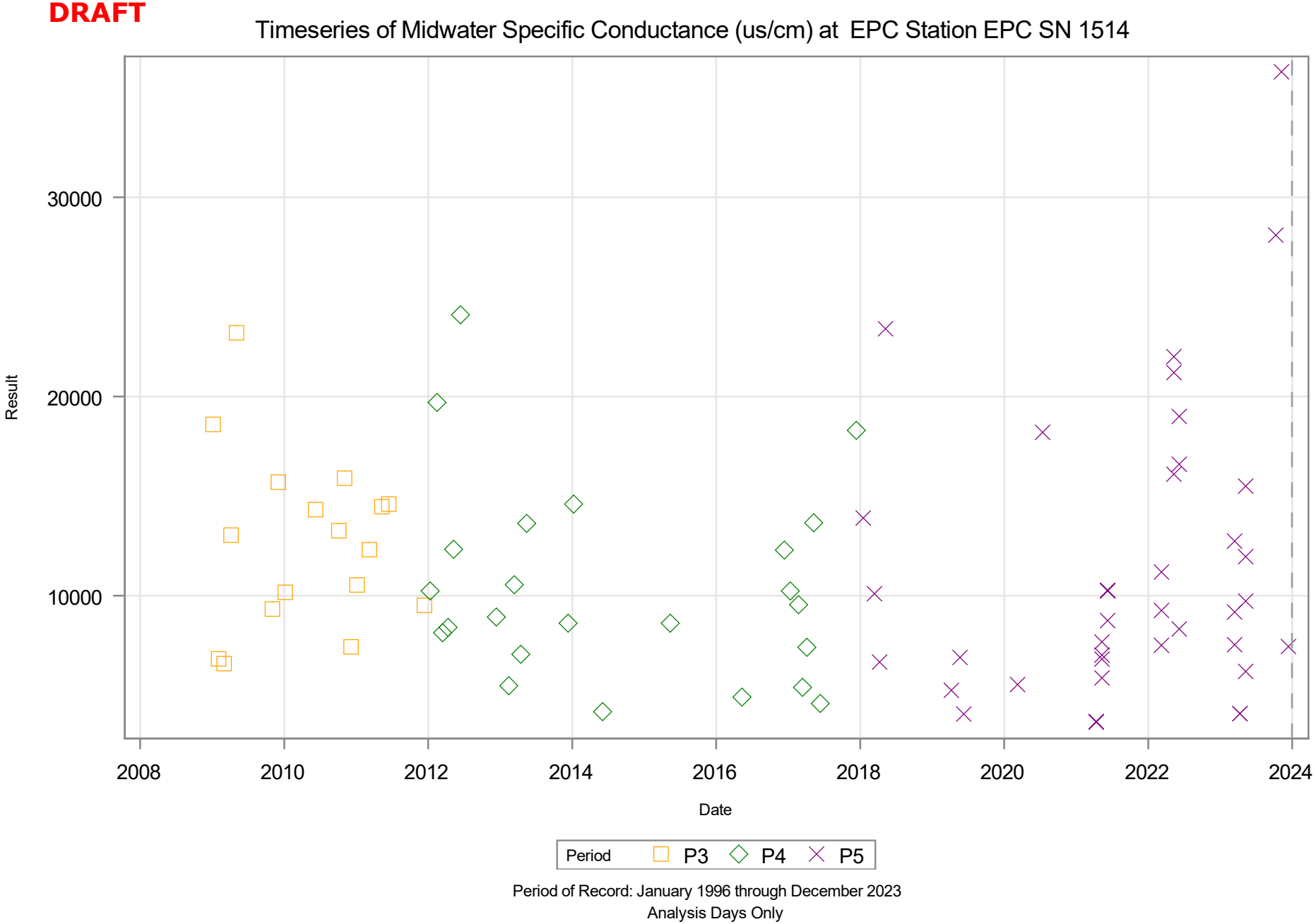
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	8190.00	16800.00	19393.53	20300.00	20900.00	28600.00
P4	24	5420.00	10455.00	14765.42	15250.00	19550.00	25100.00
P5	21	3720.00	7450.00	14870.95	12180.00	22100.00	36900.00

Period of Record: January 1996 through December 2023
Analysis Days Only

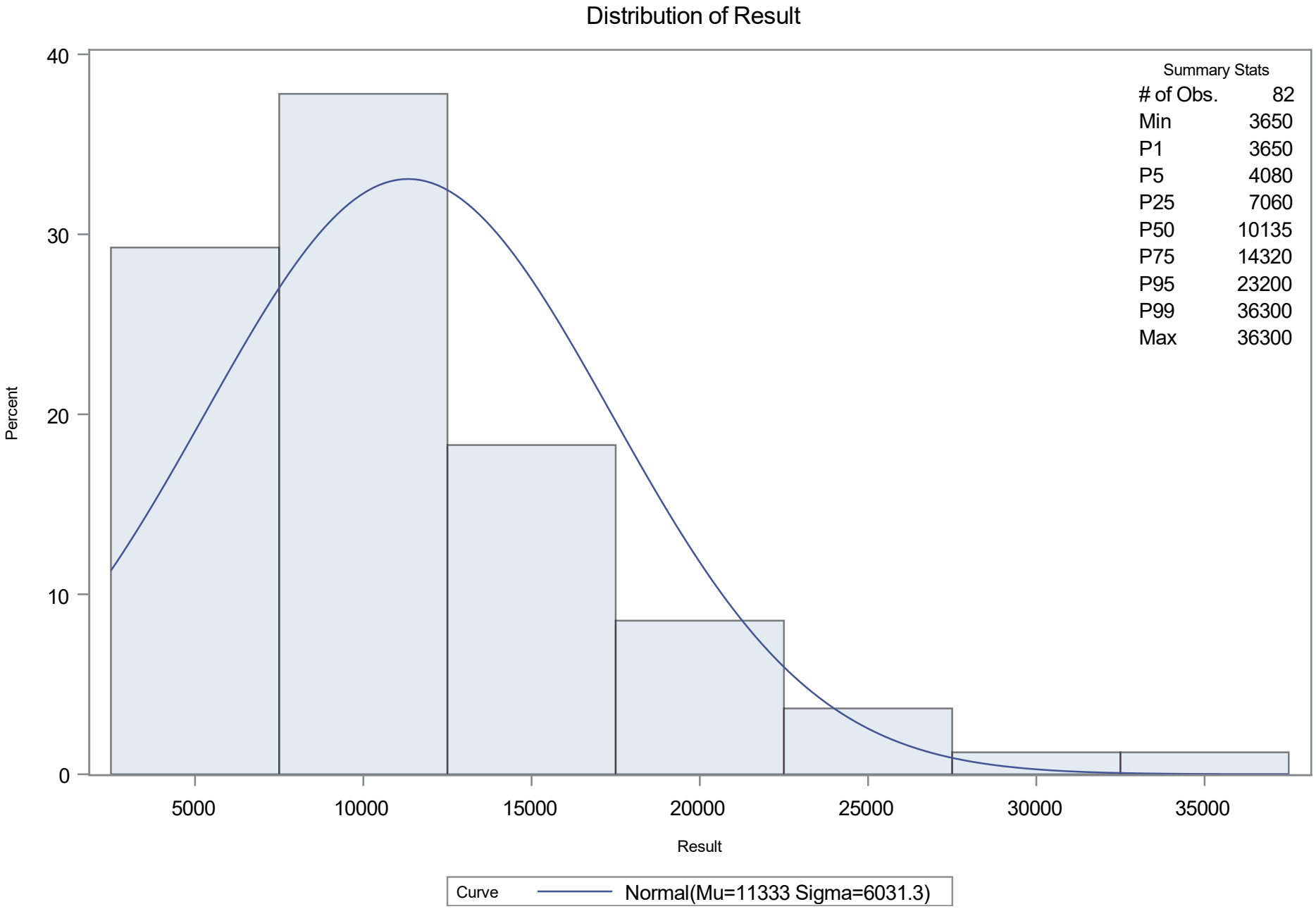
DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1514
Result
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1514
Result
30000
20000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1514**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11333.29
Std Dev	Sigma	6031.316

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16142183	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37286515	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.20108497	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3650.00	-2697.65
5.0	4080.00	1412.66
10.0	5250.00	3603.85
25.0	7060.00	7265.23
50.0	10135.00	11333.29
75.0	14320.00	15401.35
90.0	19000.00	19062.74
95.0	23200.00	21253.93
99.0	36300.00	25364.23

Period of Record: January 1996 through December 2023
Analysis Days Only

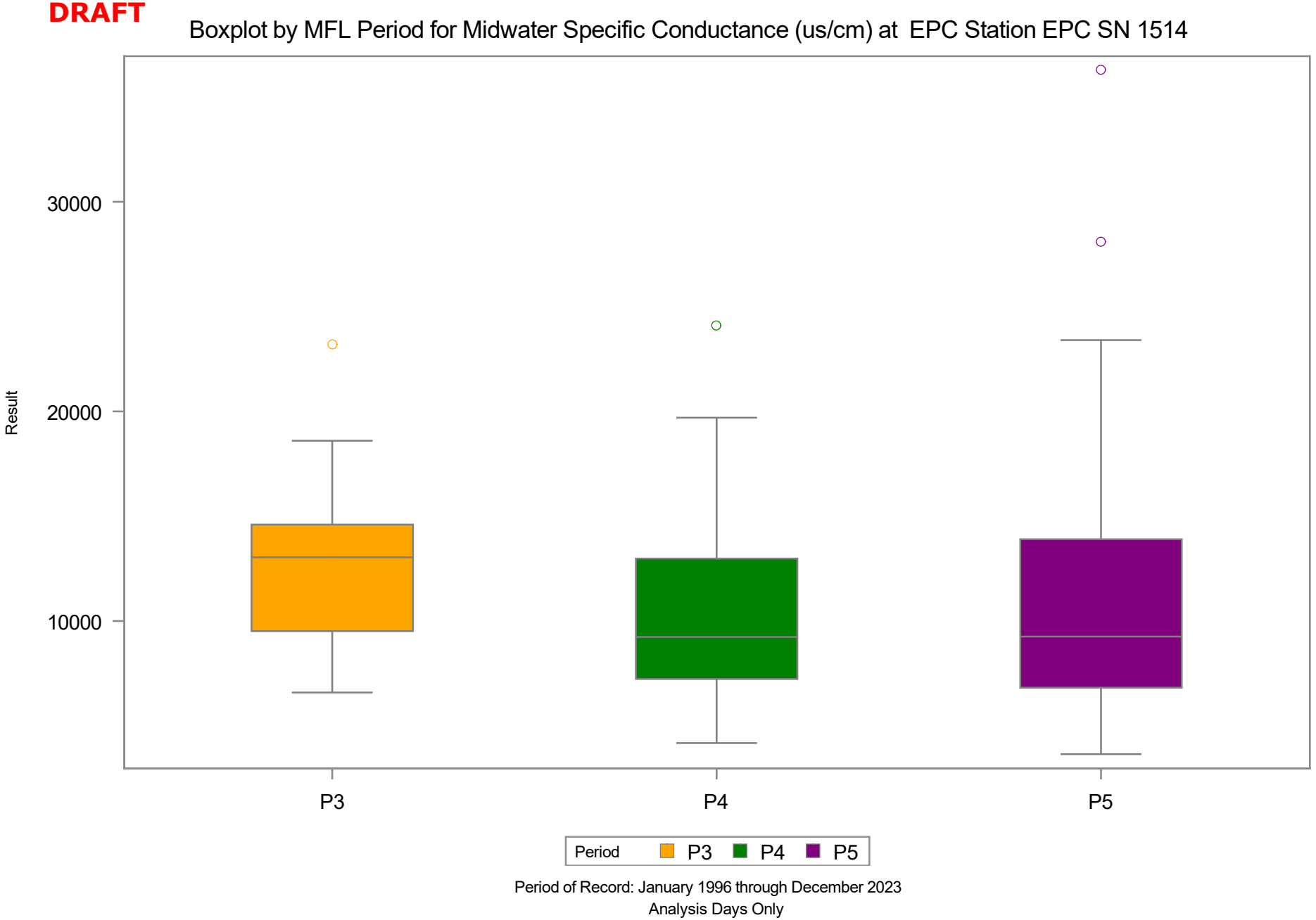
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1514

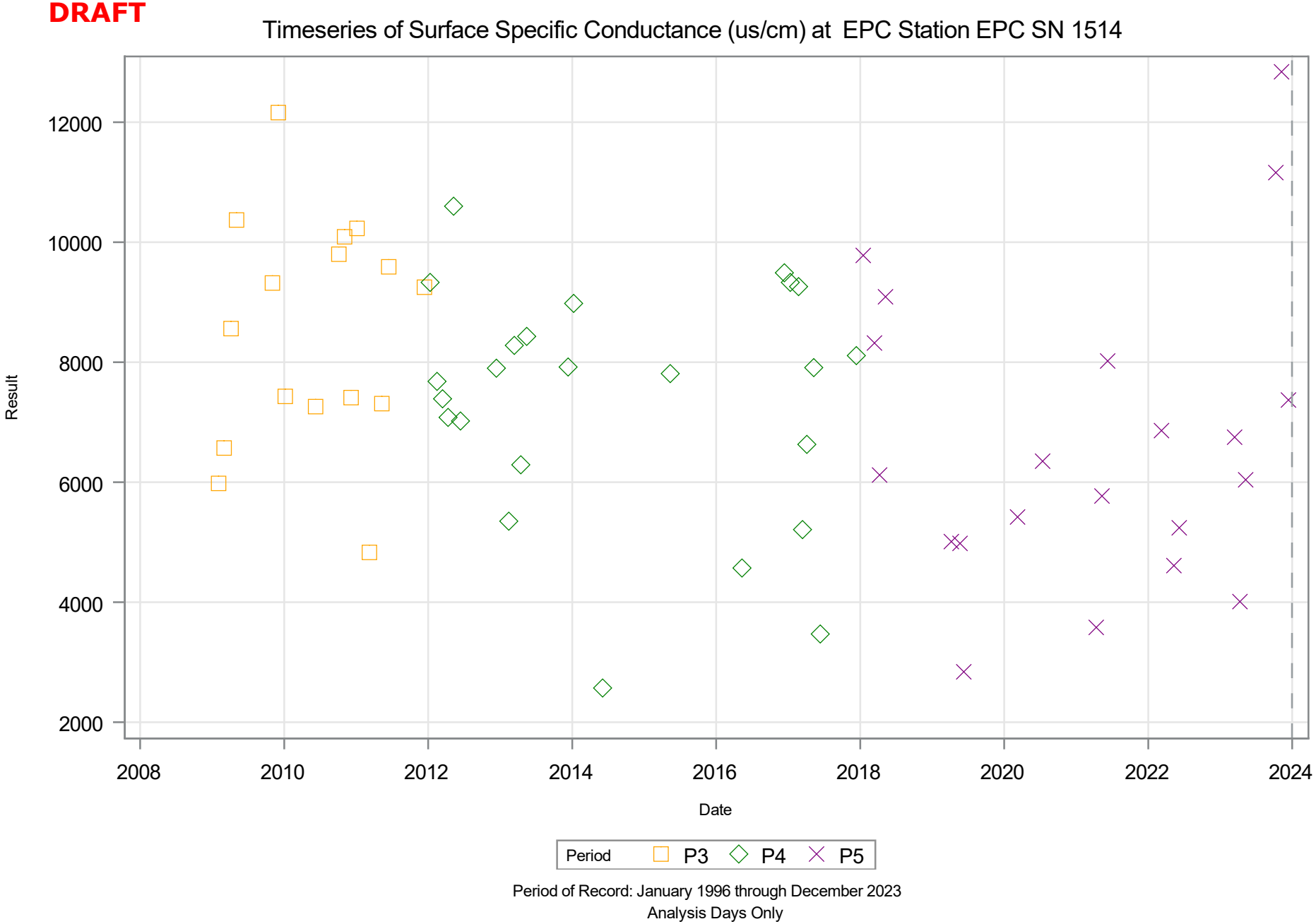
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	6590.00	9520.00	12694.71	13040.00	14600.00	23200.00
P4	24	4180.00	7235.00	10455.83	9240.00	12980.00	24100.00
P5	41	3650.00	6820.00	11282.44	9260.00	13900.00	36300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

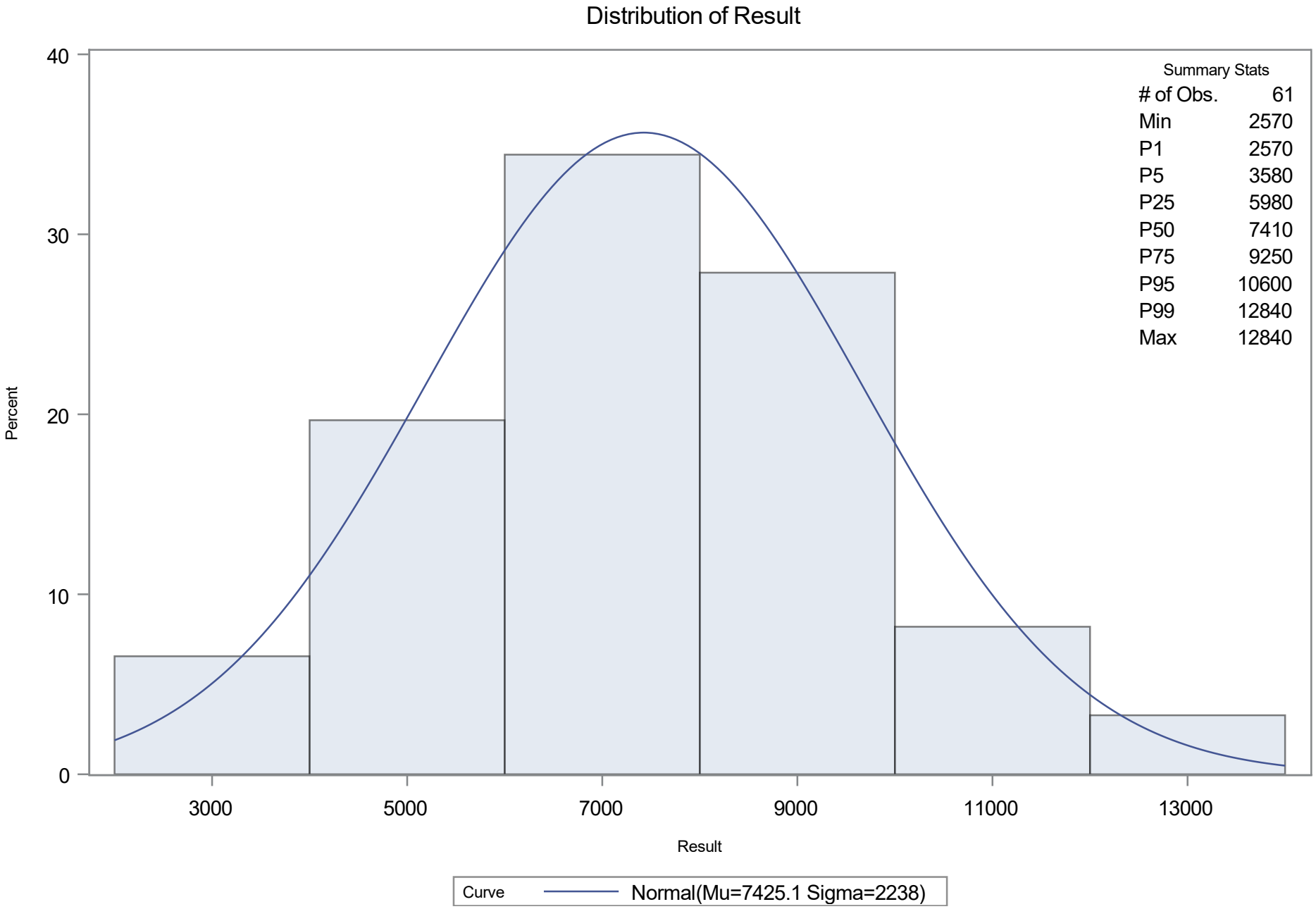

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1514
Result
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1514
Result
12000
10000
8000
6000
4000
2000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7425.082
Std Dev	Sigma	2238.041

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05487584	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02065357	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.14293679	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2570.00	2218.62
5.0	3580.00	3743.83
10.0	4610.00	4556.92
25.0	5980.00	5915.55
50.0	7410.00	7425.08
75.0	9250.00	8934.62
90.0	10090.00	10293.25
95.0	10600.00	11106.33
99.0	12840.00	12631.54

Period of Record: January 1996 through December 2023
Analysis Days Only

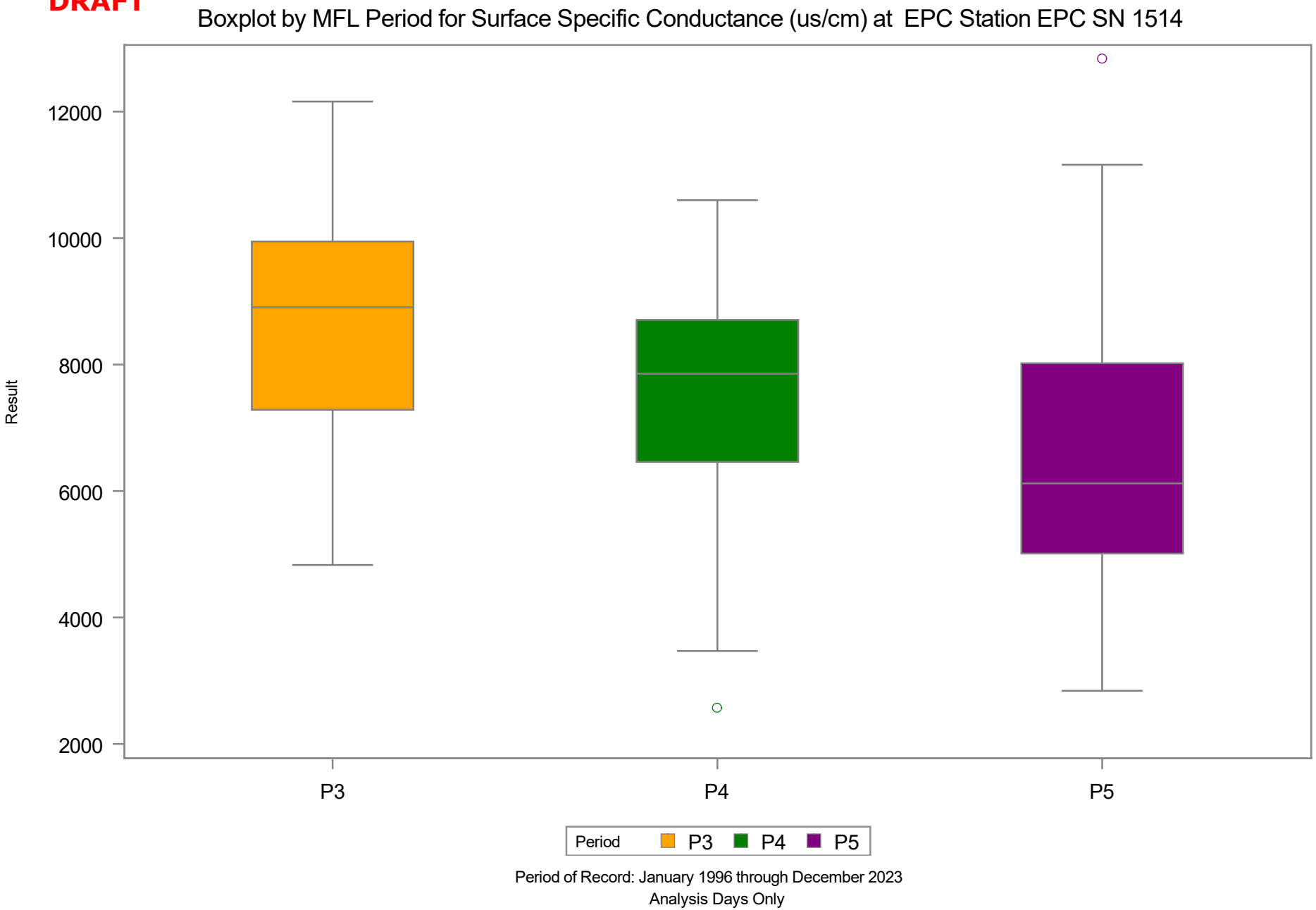
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1514

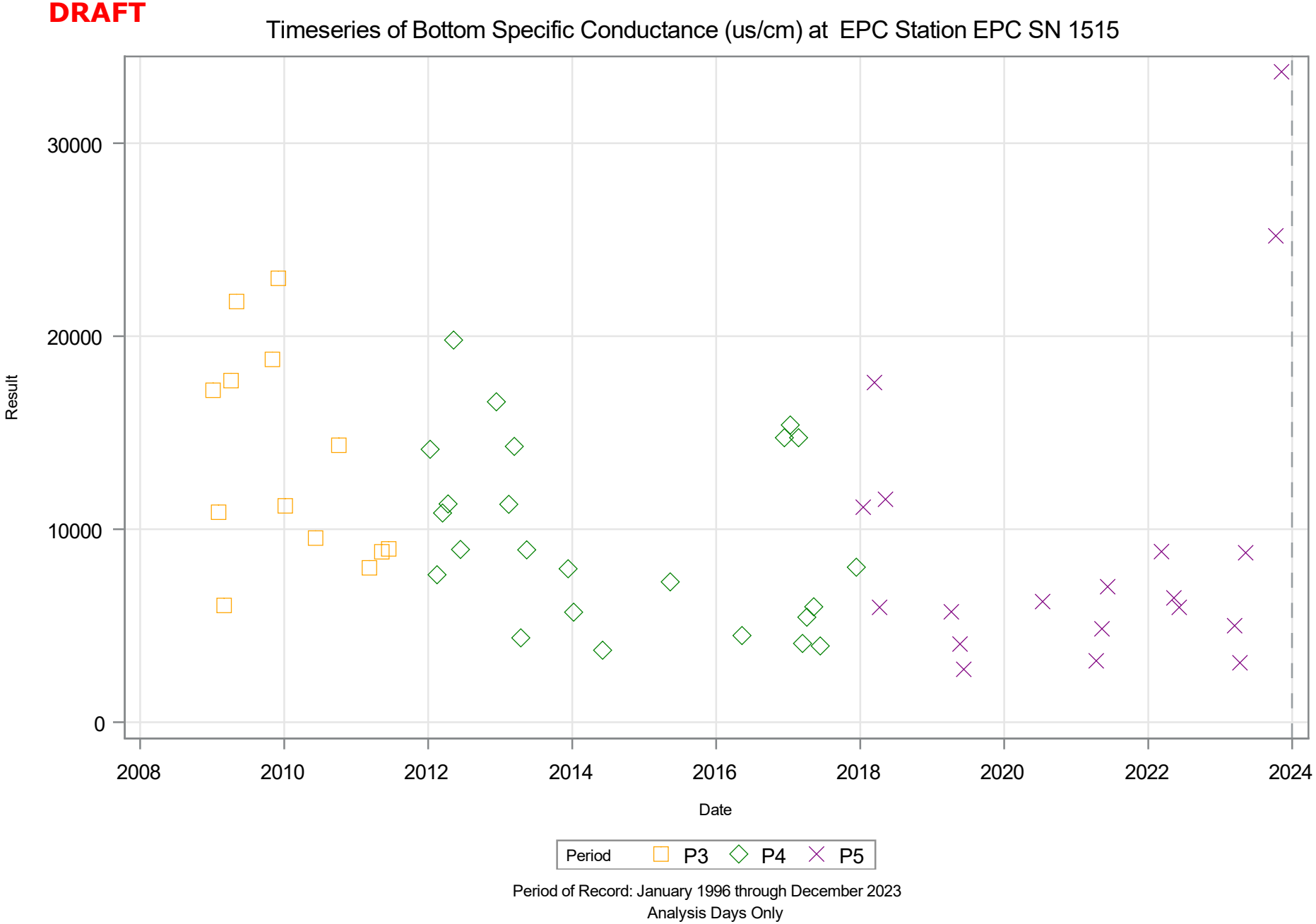
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	4830.00	7285.00	8510.00	8905.00	9945.00	12160.00
P4	24	2570.00	6460.00	7358.75	7855.00	8705.00	10600.00
P5	21	2840.00	5010.00	6674.29	6120.00	8020.00	12840.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

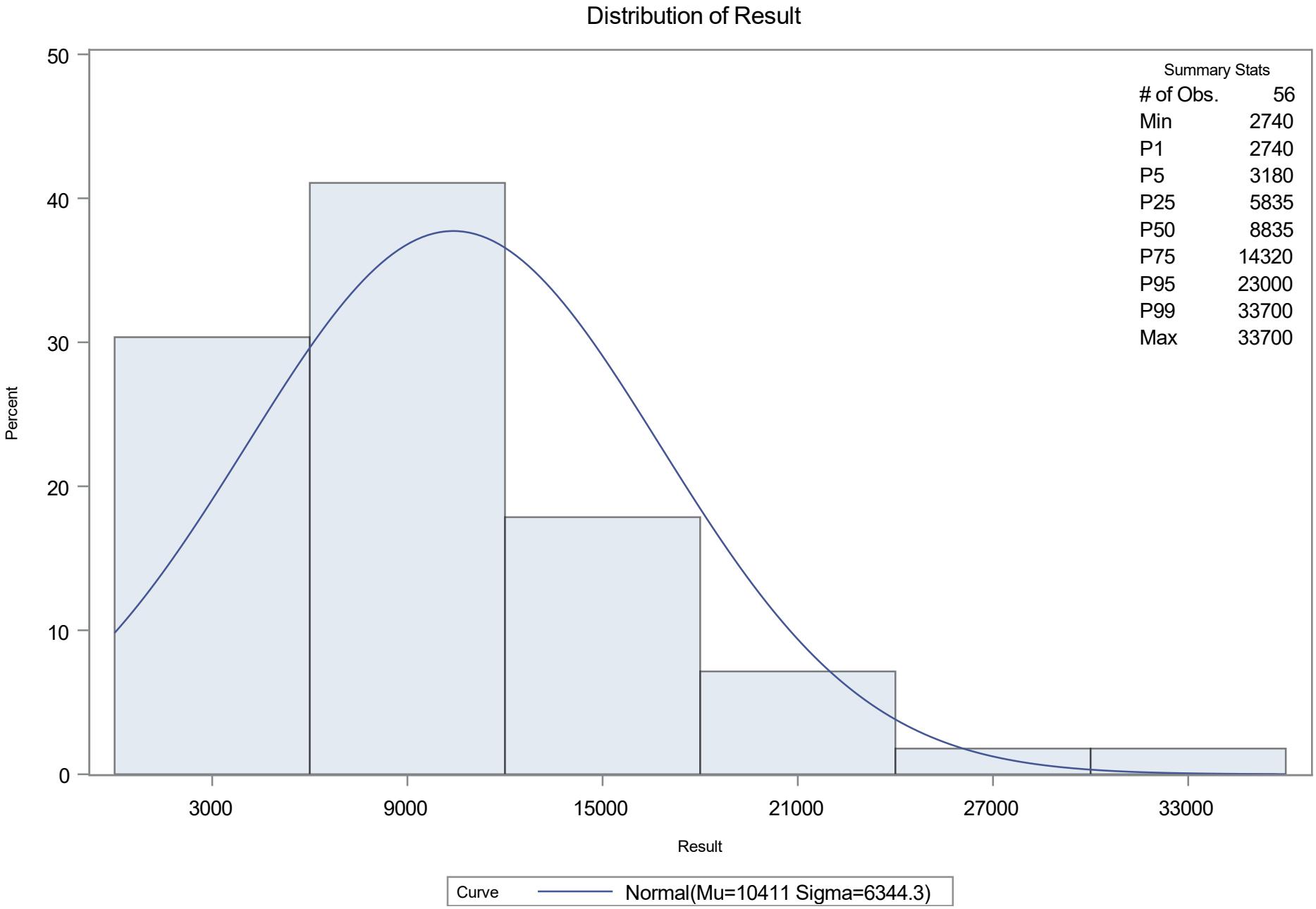

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1514
Result
12000
10000
8000
6000
4000
2000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1515
Result
30000
20000
10000
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10411.25
Std Dev	Sigma	6344.31

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16067069	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29192275	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.71539402	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2740.00	-4347.8214
5.0	3180.00	-24.2108
10.0	4050.00	2280.6900
25.0	5835.00	6132.0781
50.0	8835.00	10411.2500
75.0	14320.00	14690.4219
90.0	18800.00	18541.8100
95.0	23000.00	20846.7108
99.0	33700.00	25170.3214

Period of Record: January 1996 through December 2023
Analysis Days Only

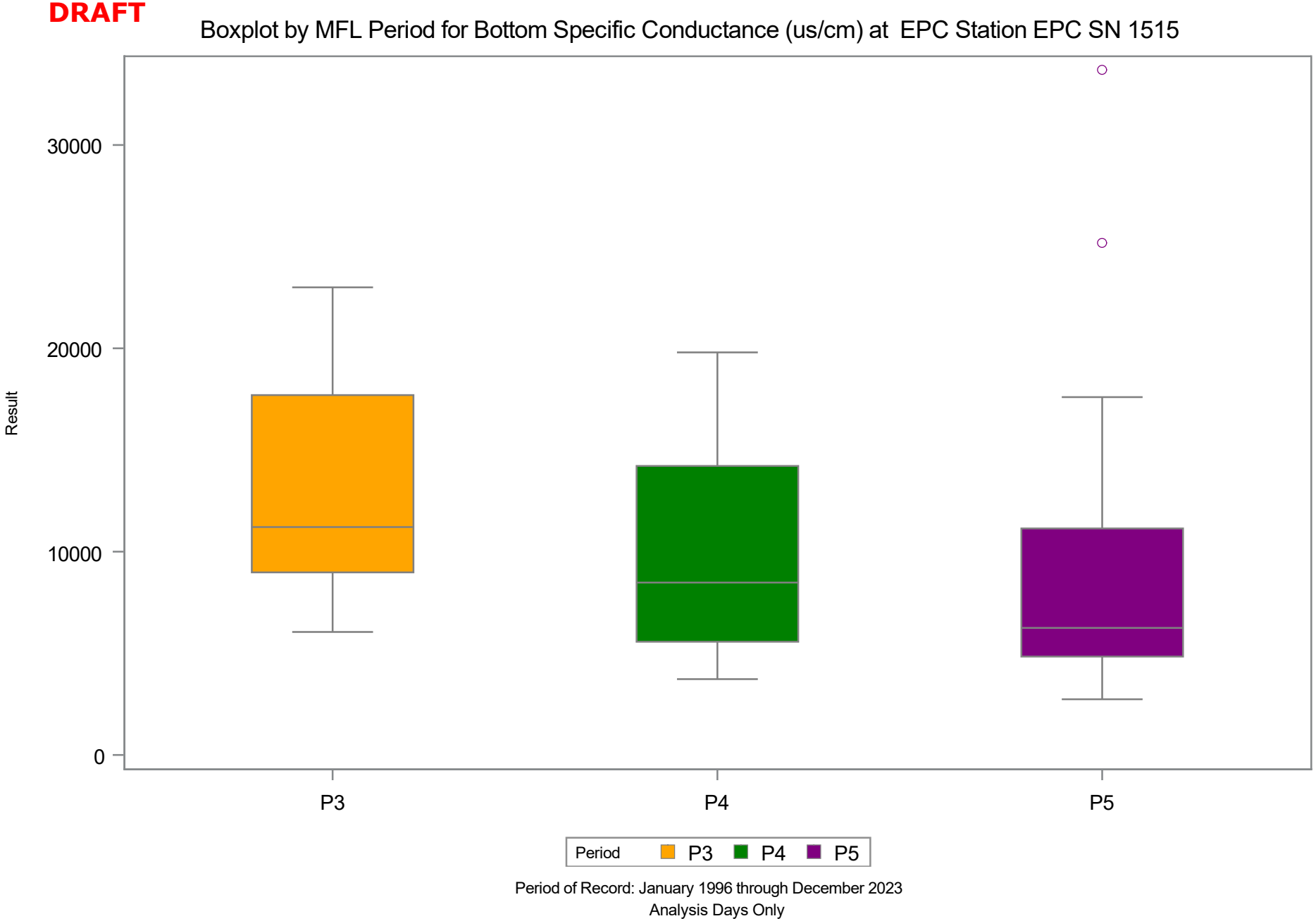
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1515

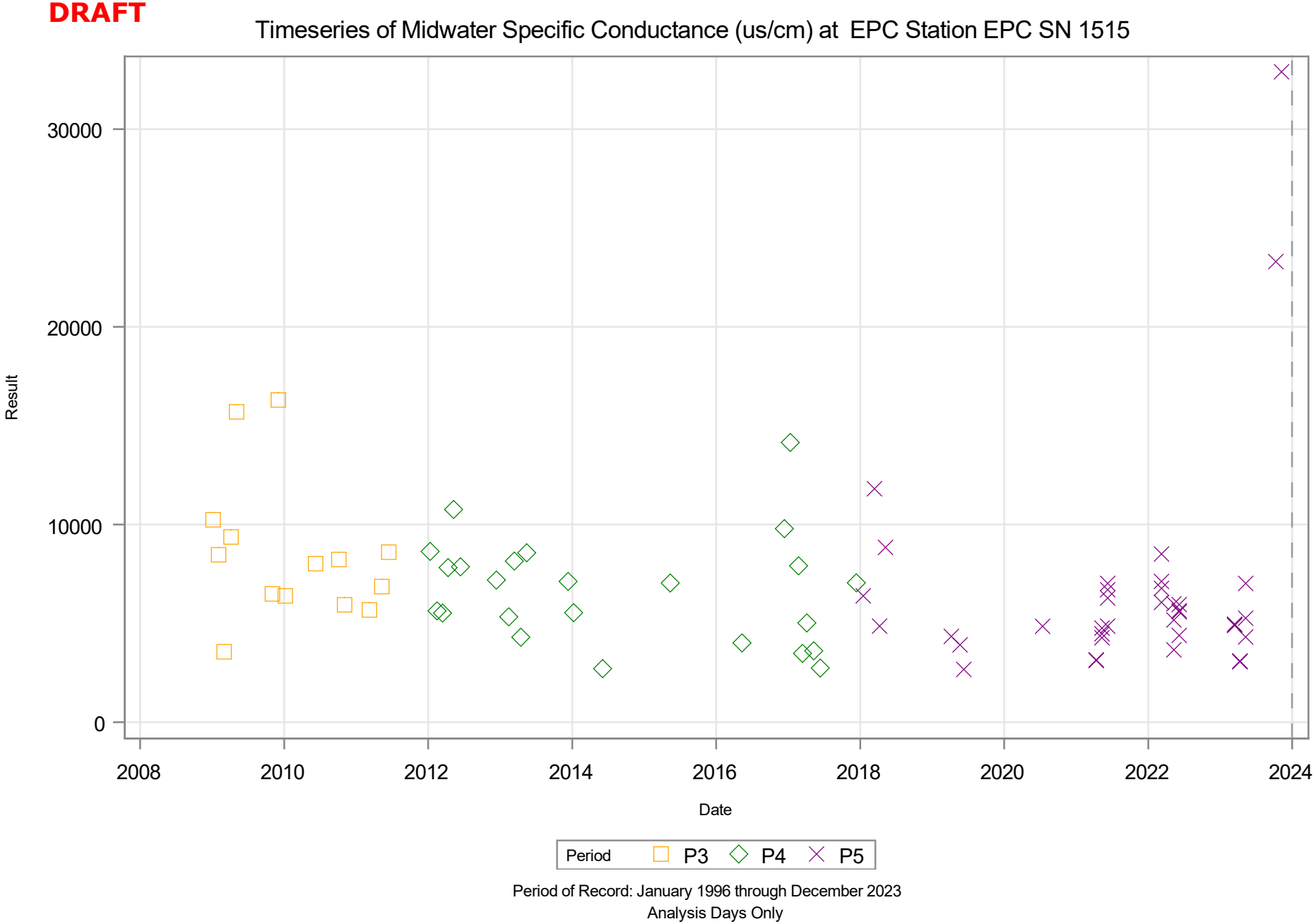
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	6050.00	8980.00	13564.62	11210.00	17700.00	23000.00
P4	24	3730.00	5570.00	9569.17	8480.00	14215.00	19800.00
P5	19	2740.00	4840.00	9317.37	6250.00	11140.00	33700.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

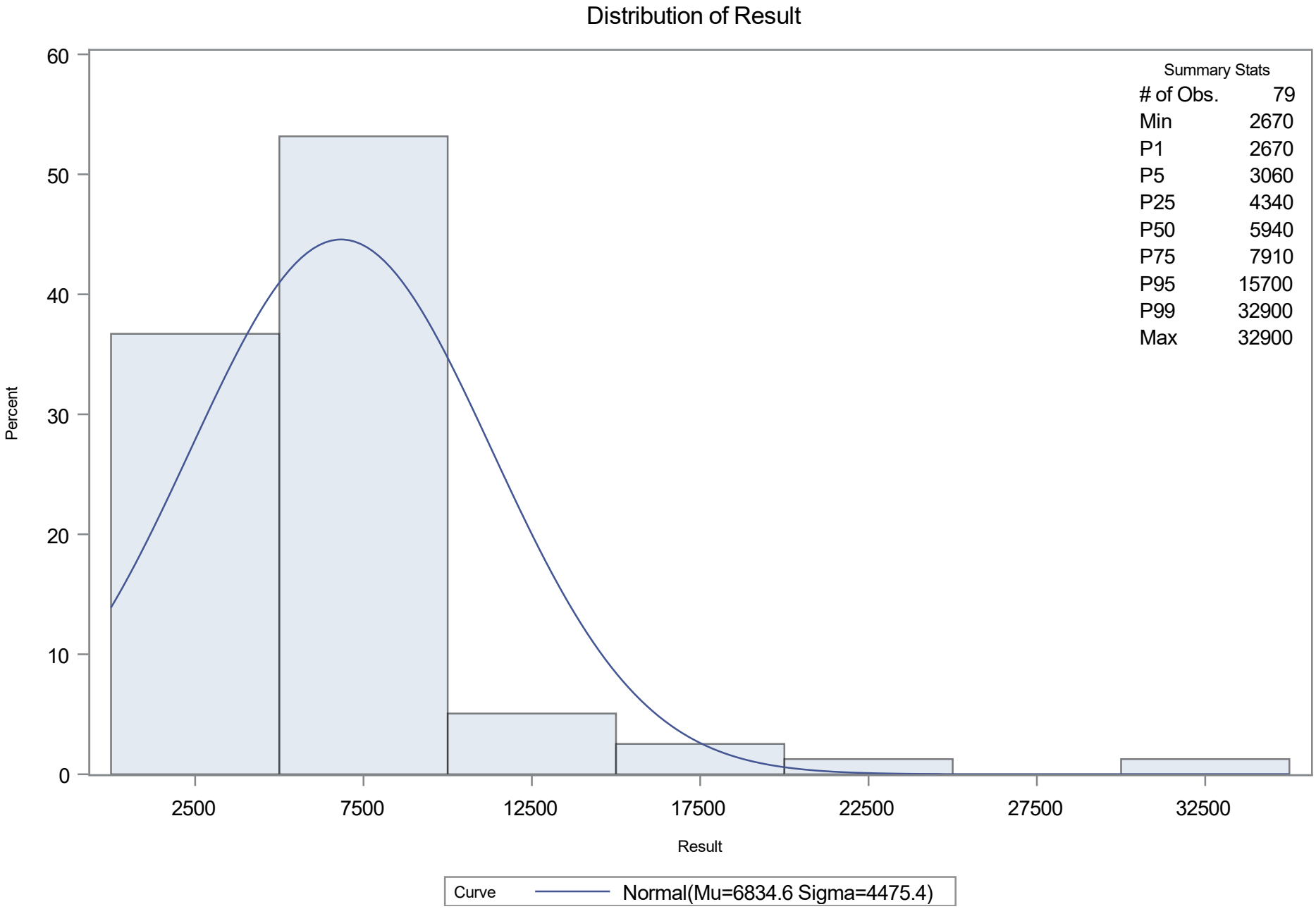

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 1515
Result
30000
20000
10000
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1515
Result
30000
20000
10000
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6834.557
Std Dev	Sigma	4475.399

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20408098	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.99797302	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.87264543	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2670.00	-3576.778
5.0	3060.00	-526.819
10.0	3120.00	1099.102
25.0	4340.00	3815.946
50.0	5940.00	6834.557
75.0	7910.00	9853.168
90.0	10240.00	12570.012
95.0	15700.00	14195.933
99.0	32900.00	17245.892

Period of Record: January 1996 through December 2023
Analysis Days Only

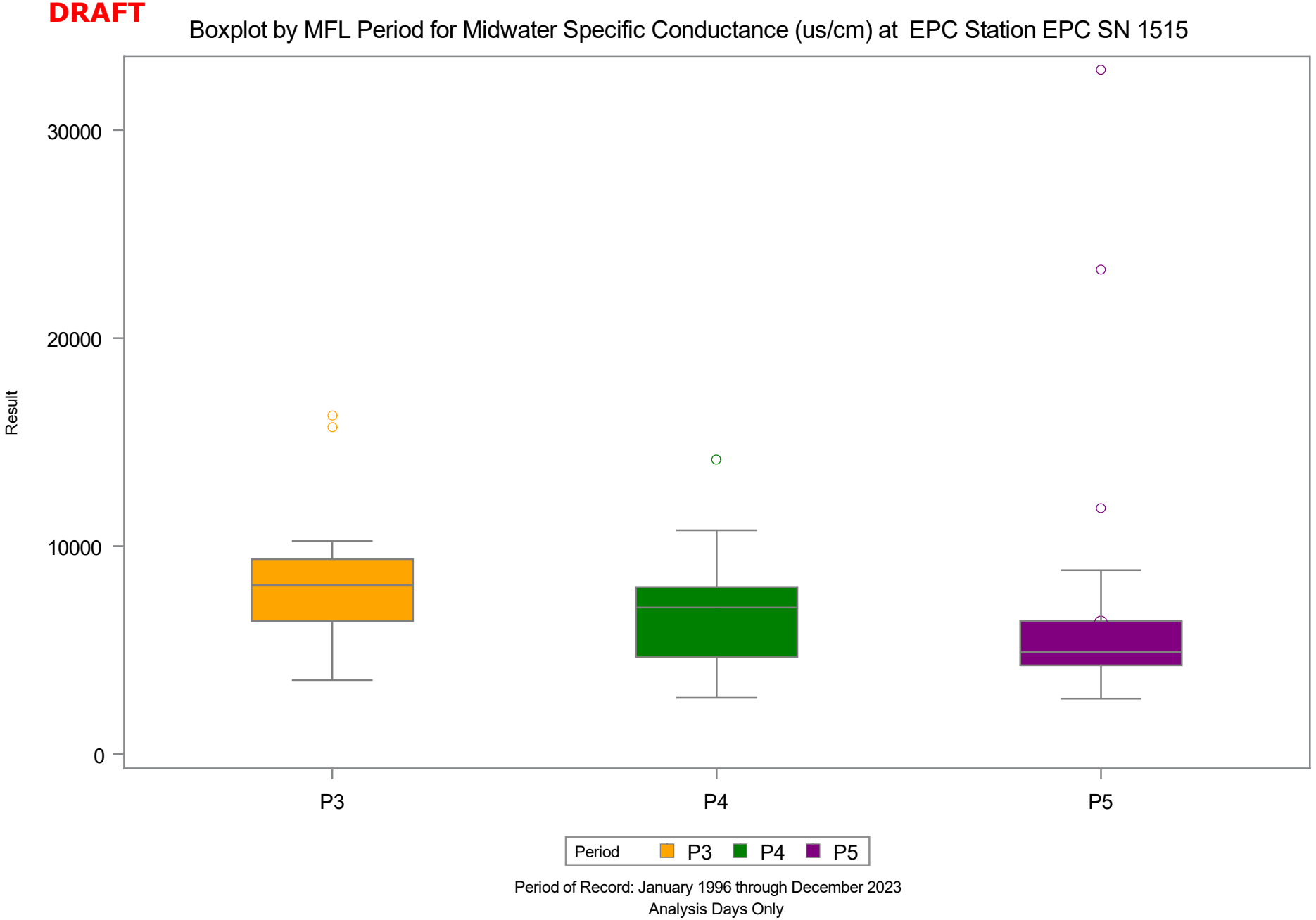
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1515

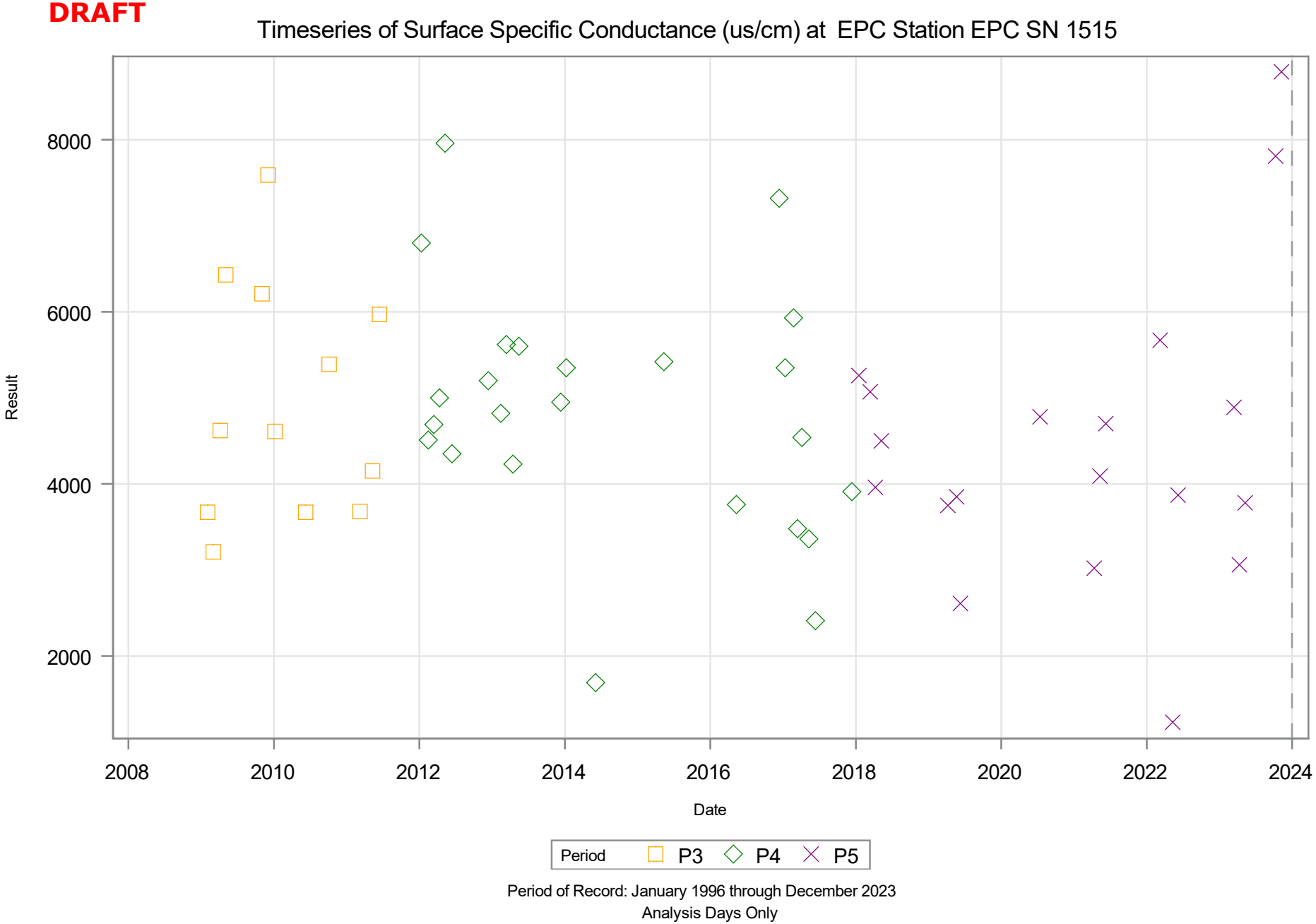
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	3560.00	6390.00	8560.71	8125.00	9370.00	16300.00
P4	24	2710.00	4660.00	6664.17	7045.00	8030.00	14150.00
P5	41	2670.00	4270.00	6344.88	4900.00	6390.00	32900.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

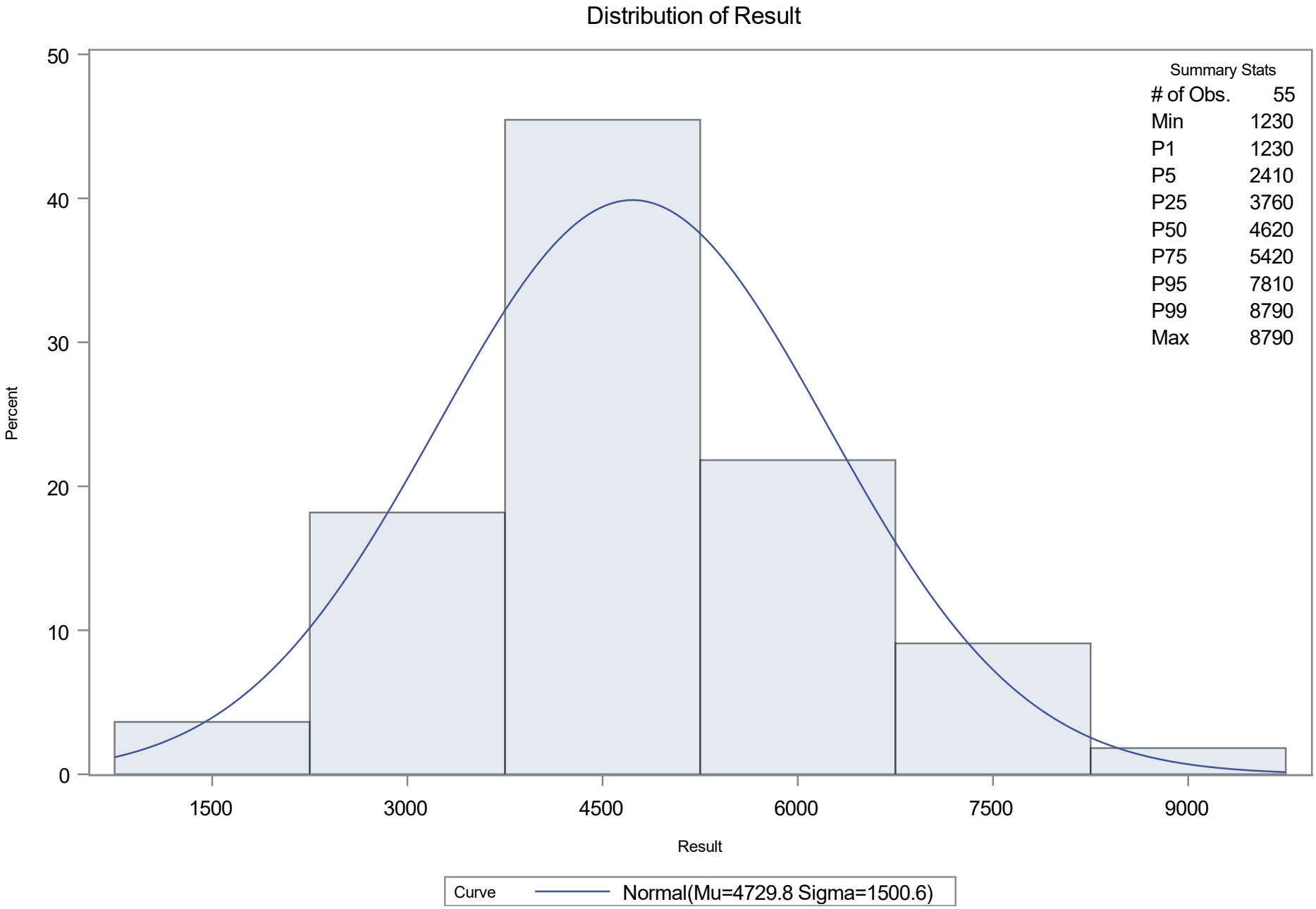

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 1515
Result
30000
20000
10000
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1515
Result
8000
6000
4000
2000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4729.818
Std Dev	Sigma	1500.57

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08641366	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08330201	**Pr > W-Sq**	0.191
Anderson-Darling	**A-Sq**	0.54274848	**Pr > A-Sq**	0.161

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1230.00	1238.97
5.0	2410.00	2261.60
10.0	3060.00	2806.76
25.0	3760.00	3717.70
50.0	4620.00	4729.82
75.0	5420.00	5741.94
90.0	6800.00	6652.88
95.0	7810.00	7198.04
99.0	8790.00	8220.67

Period of Record: January 1996 through December 2023
Analysis Days Only

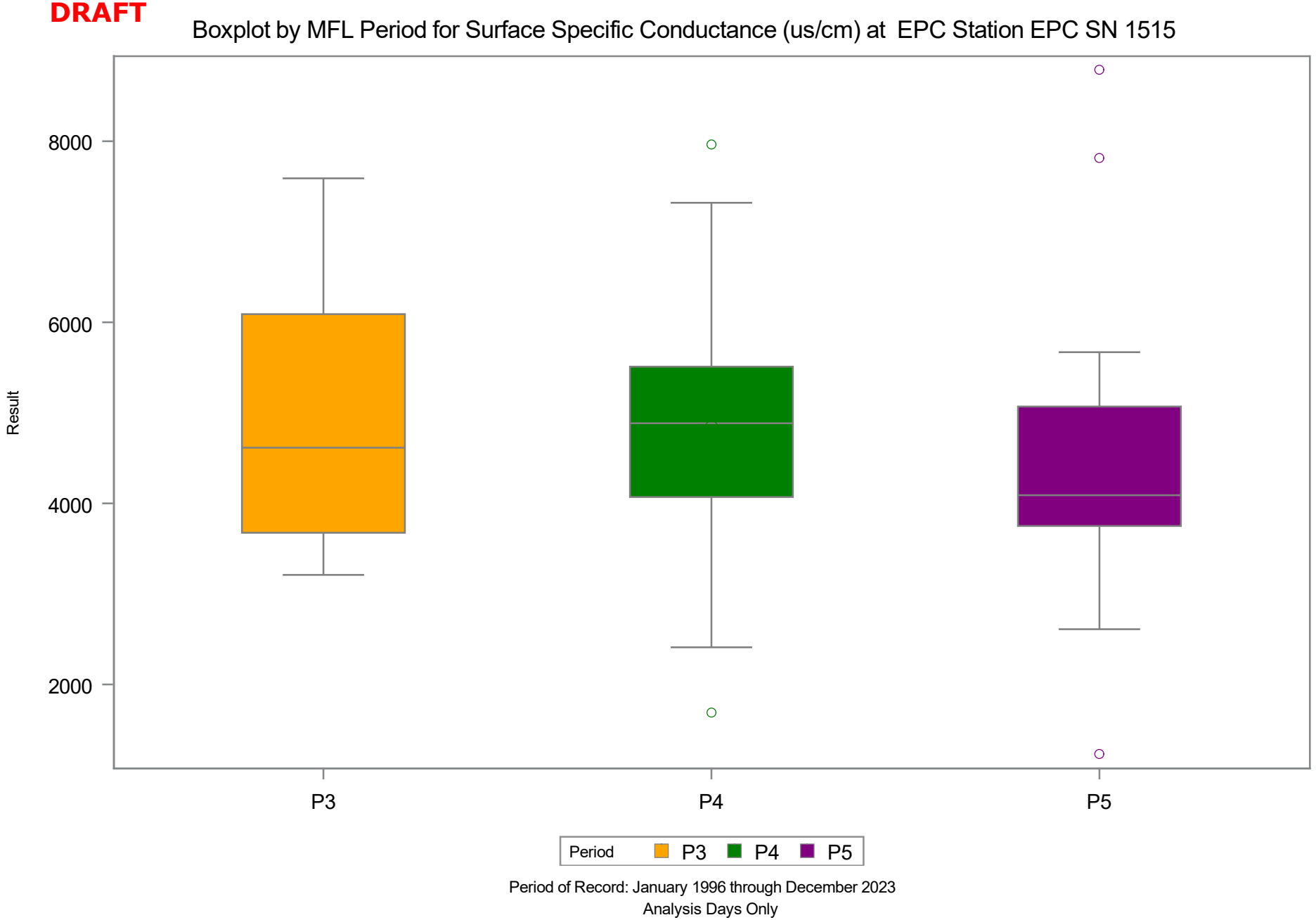
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1515

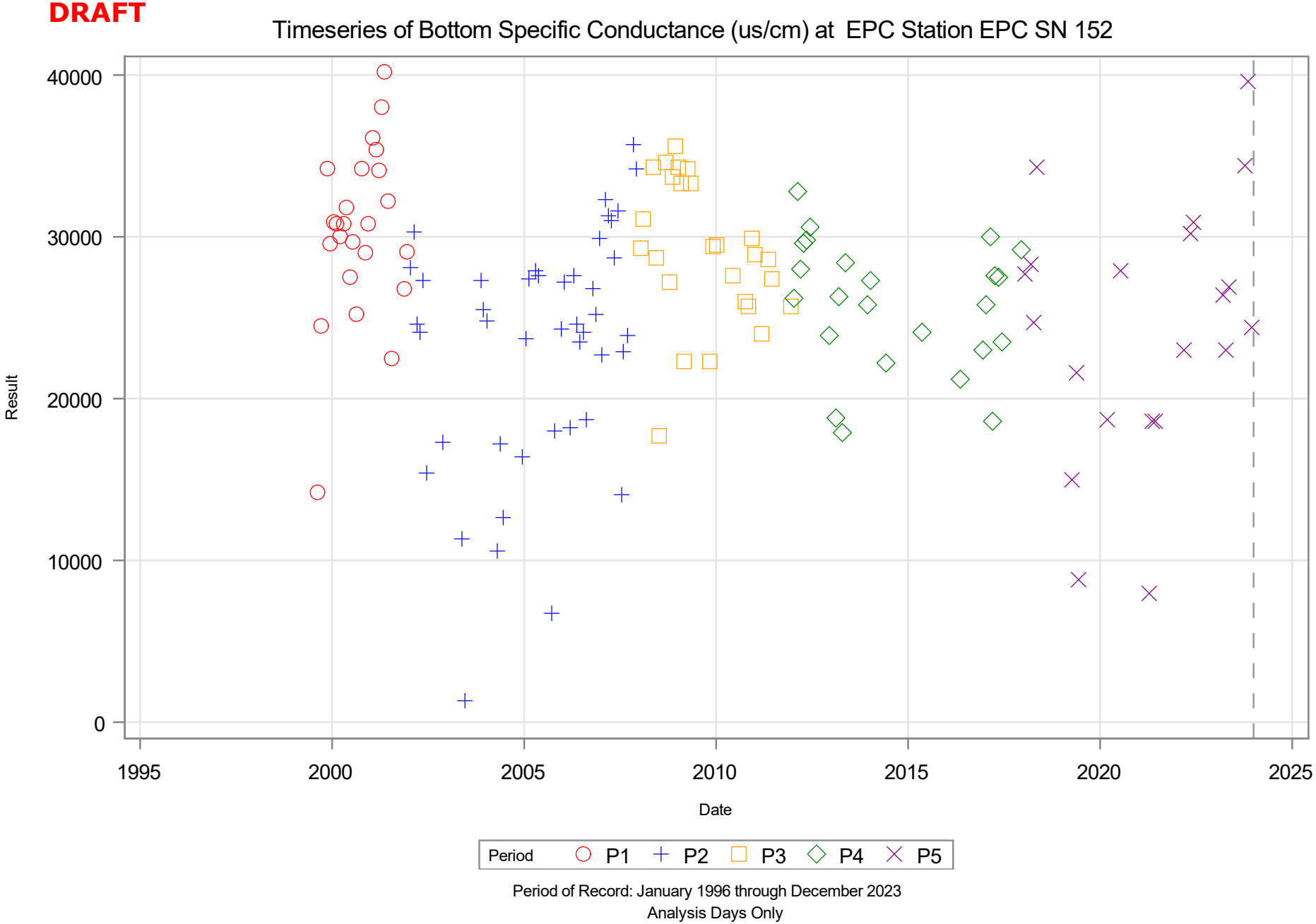
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	12	3210.00	3675.00	4933.33	4615.00	6090.00	7590.00
P4	24	1690.00	4070.00	4843.75	4885.00	5510.00	7960.00
P5	19	1230.00	3750.00	4457.37	4090.00	5070.00	8790.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 1515
Result
8000
6000
4000
2000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

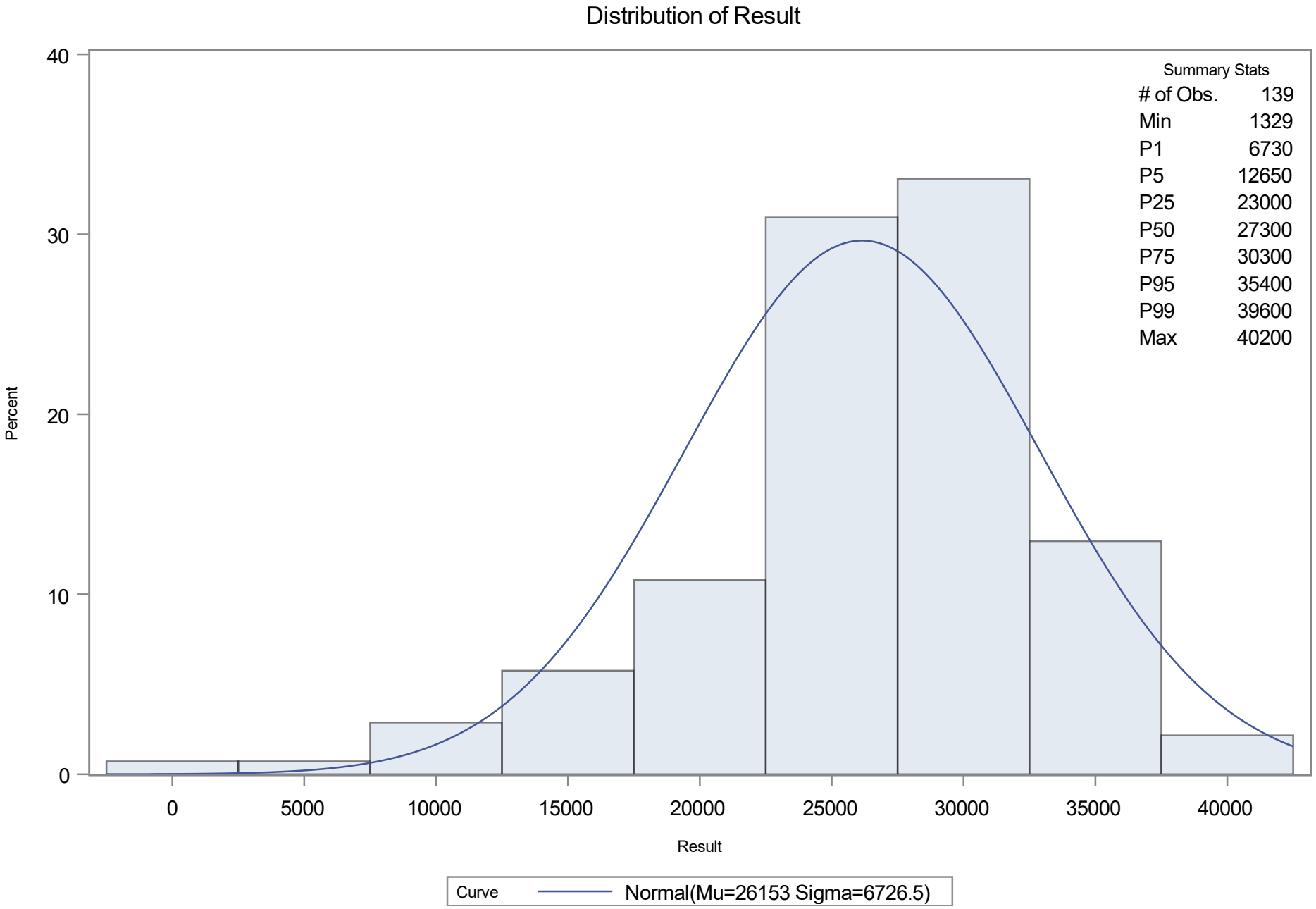
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26152.73
Std Dev	Sigma	6726.466

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09546712	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33832364	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.94797004	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6730.00	10504.6
5.0	12650.00	15088.7
10.0	17300.00	17532.4
25.0	23000.00	21615.8
50.0	27300.00	26152.7
75.0	30300.00	30689.7
90.0	34200.00	34773.0
95.0	35400.00	37216.8
99.0	39600.00	41800.8

Period of Record: January 1996 through December 2023
Analysis Days Only

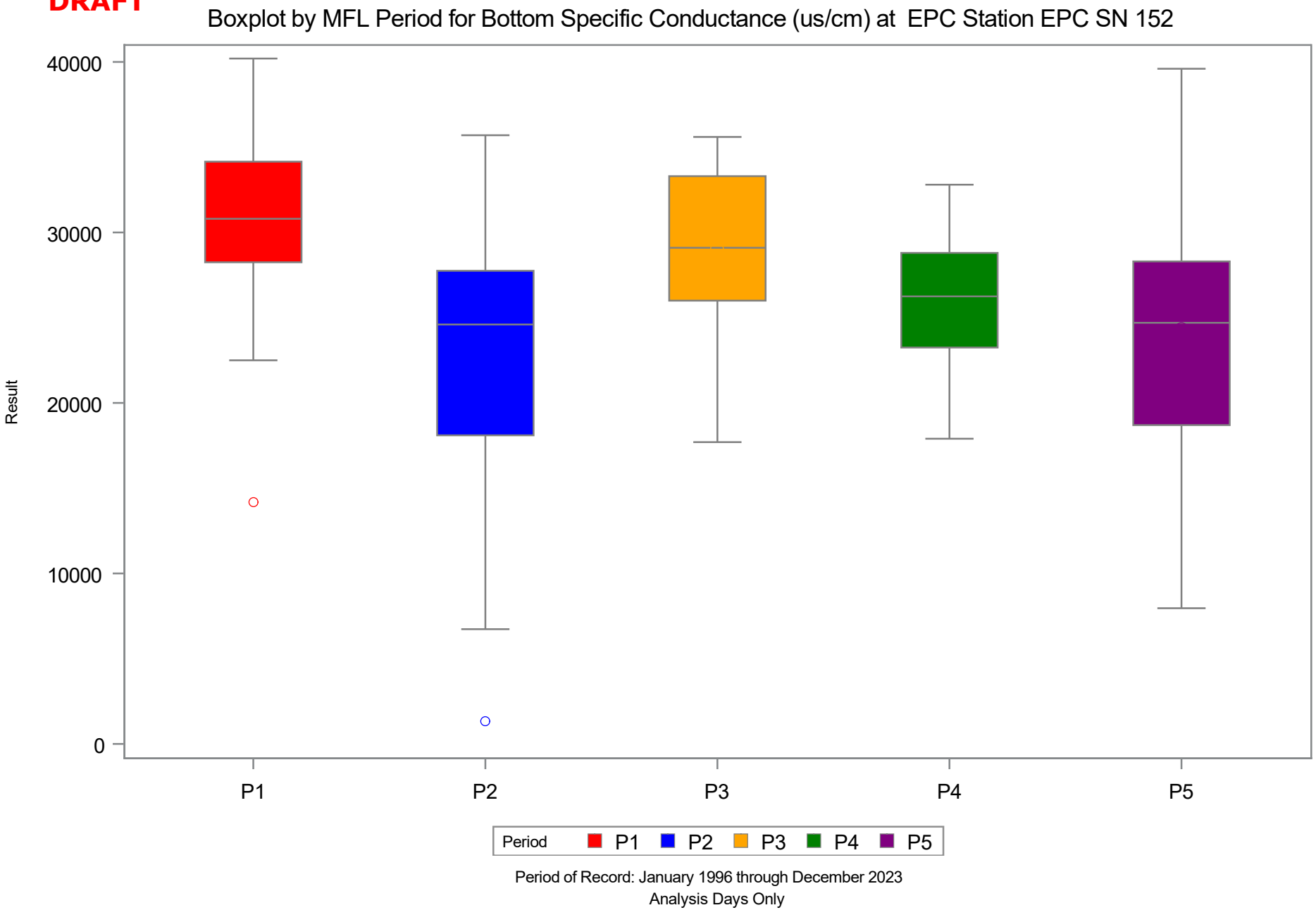
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 152

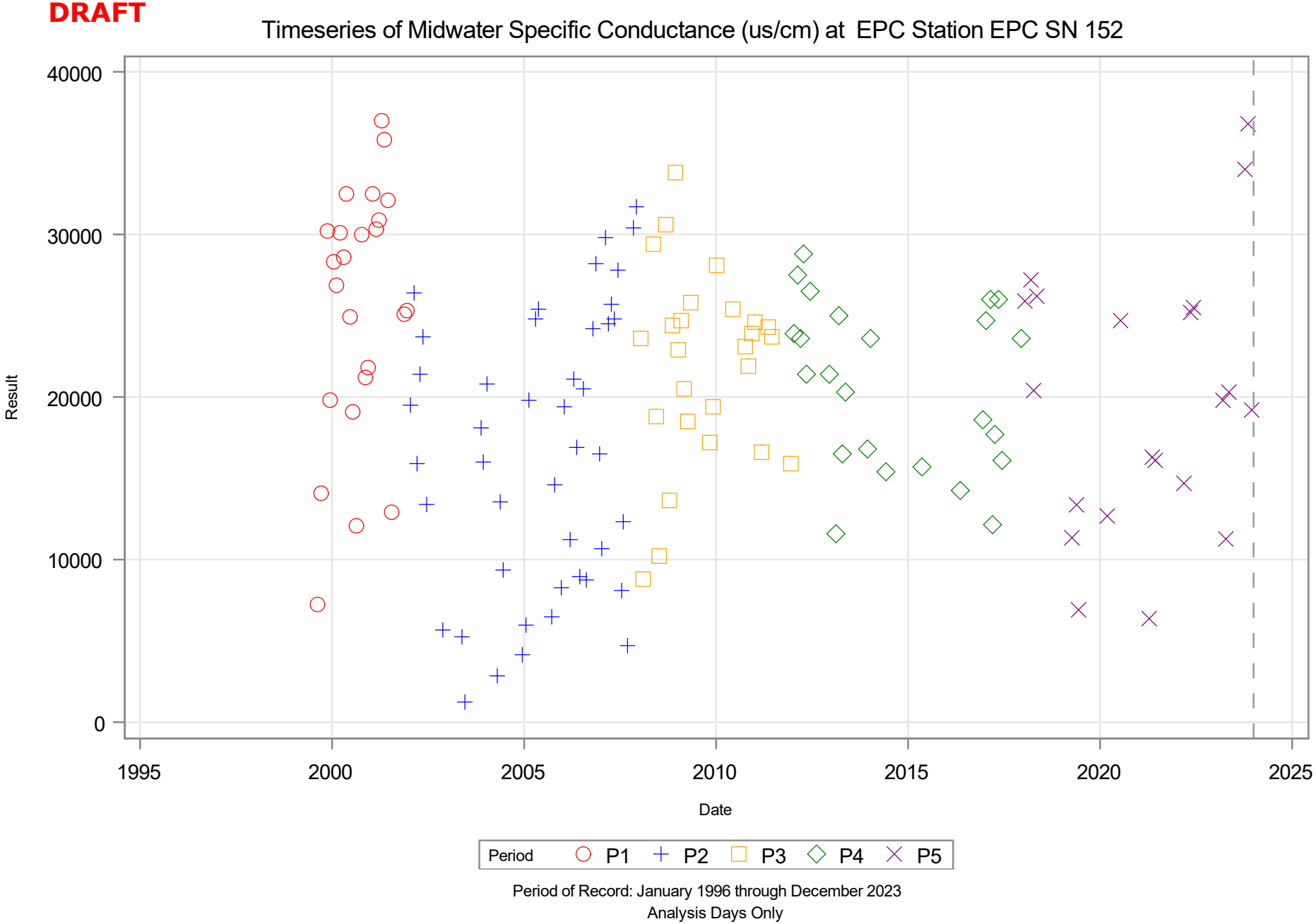
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	14200.00	28250.00	30316.67	30800.00	34150.00	40200.00
P2	44	1329.00	18100.00	23272.25	24600.00	27750.00	35700.00
P3	26	17700.00	26000.00	29023.08	29100.00	33300.00	35600.00
P4	24	17900.00	23250.00	25754.17	26250.00	28800.00	32800.00
P5	21	7960.00	18700.00	24330.95	24700.00	28300.00	39600.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

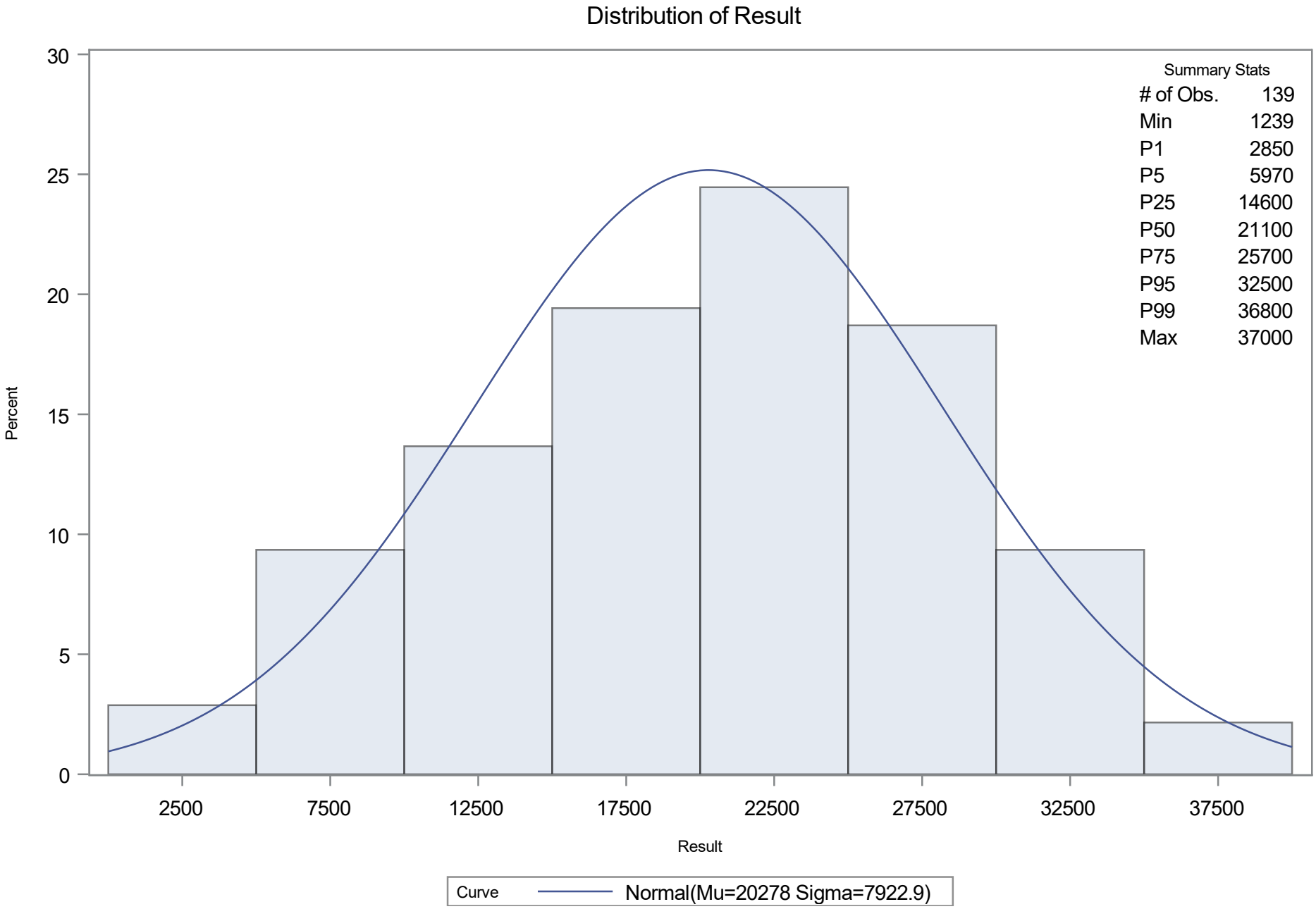

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 152
Result
40000
30000
20000
10000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 152
Result
40000
30000
20000
10000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20278.12
Std Dev	Sigma	7922.907

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10134137	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.14522097	**Pr > W-Sq**	0.028
Anderson-Darling	**A-Sq**	0.80132679	**Pr > A-Sq**	0.039

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2850.00	1846.68
5.0	5970.00	7246.10
10.0	8750.00	10124.51
25.0	14600.00	14934.20
50.0	21100.00	20278.12
75.0	25700.00	25622.04
90.0	30200.00	30431.74
95.0	32500.00	33310.15
99.0	36800.00	38709.56

Period of Record: January 1996 through December 2023
Analysis Days Only

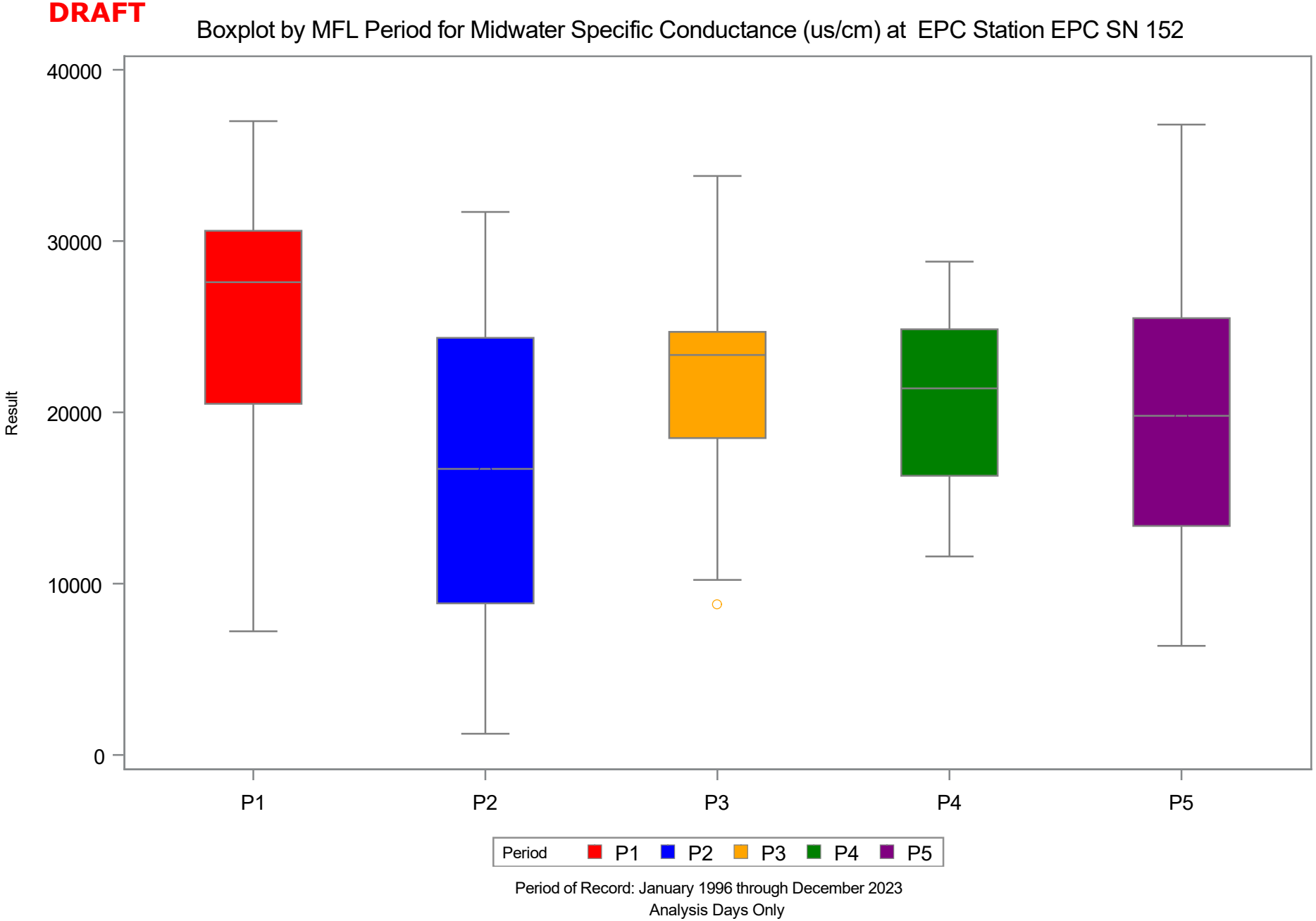
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 152

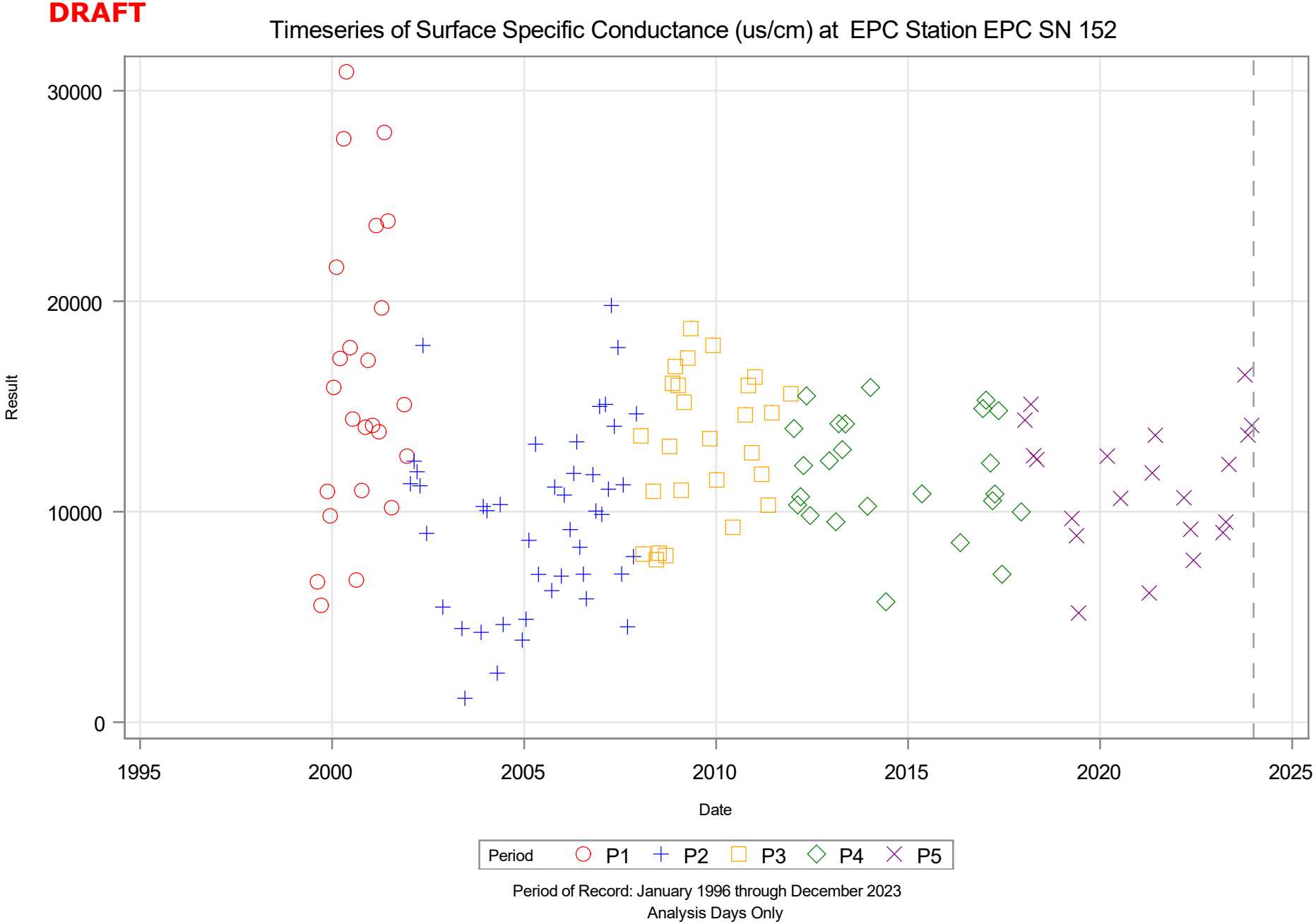
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	7220.00	20500.00	25365.00	27600.00	30600.00	37000.00
P2	44	1239.00	8850.00	16564.07	16700.00	24350.00	31700.00
P3	26	8800.00	18500.00	21913.85	23350.00	24700.00	33800.00
P4	24	11590.00	16300.00	20712.08	21400.00	24850.00	28800.00
P5	21	6370.00	13370.00	19725.24	19800.00	25500.00	36800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

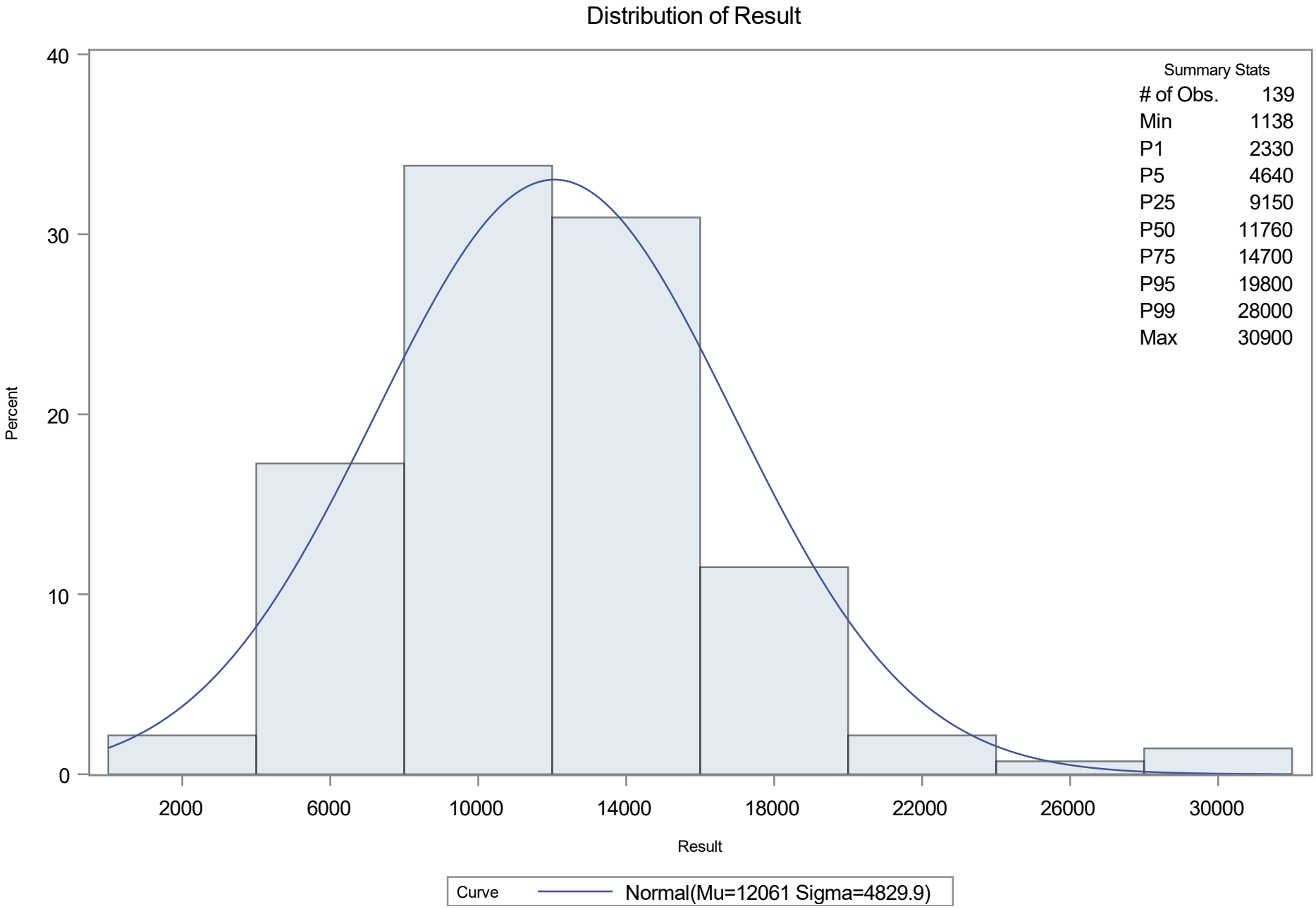

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 152
Result
40000
30000
20000
10000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 152
Result
30000
20000
10000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12061.5
Std Dev	Sigma	4829.943

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06484772	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.13257189	**Pr > W-Sq**	0.042
Anderson-Darling	**A-Sq**	1.05001728	**Pr > A-Sq**	0.009

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2330.00	825.368
5.0	4640.00	4116.947
10.0	6140.00	5871.675
25.0	9150.00	8803.749
50.0	11760.00	12061.496
75.0	14700.00	15319.244
90.0	17300.00	18251.318
95.0	19800.00	20006.046
99.0	28000.00	23297.624

Period of Record: January 1996 through December 2023
Analysis Days Only

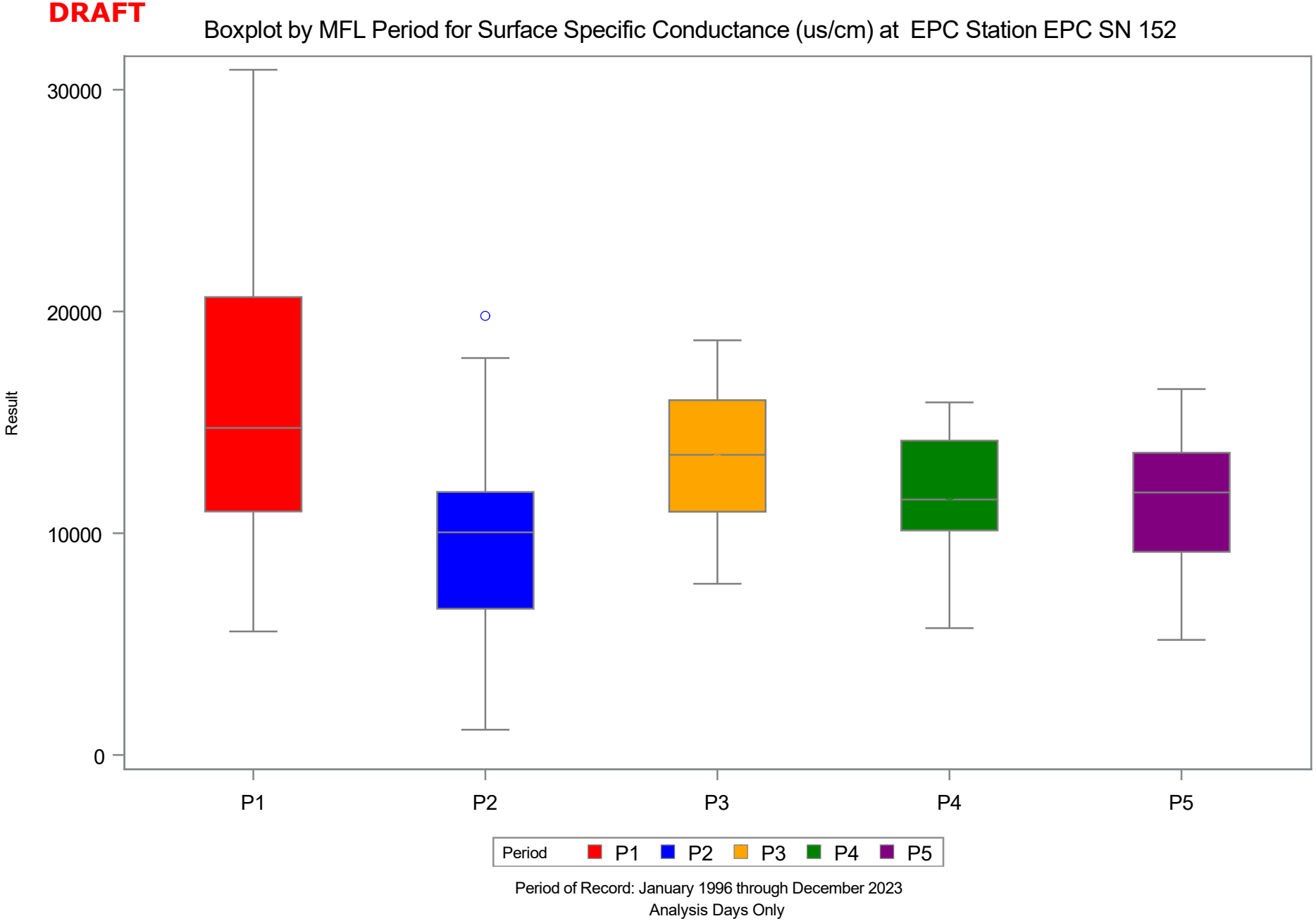
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 152

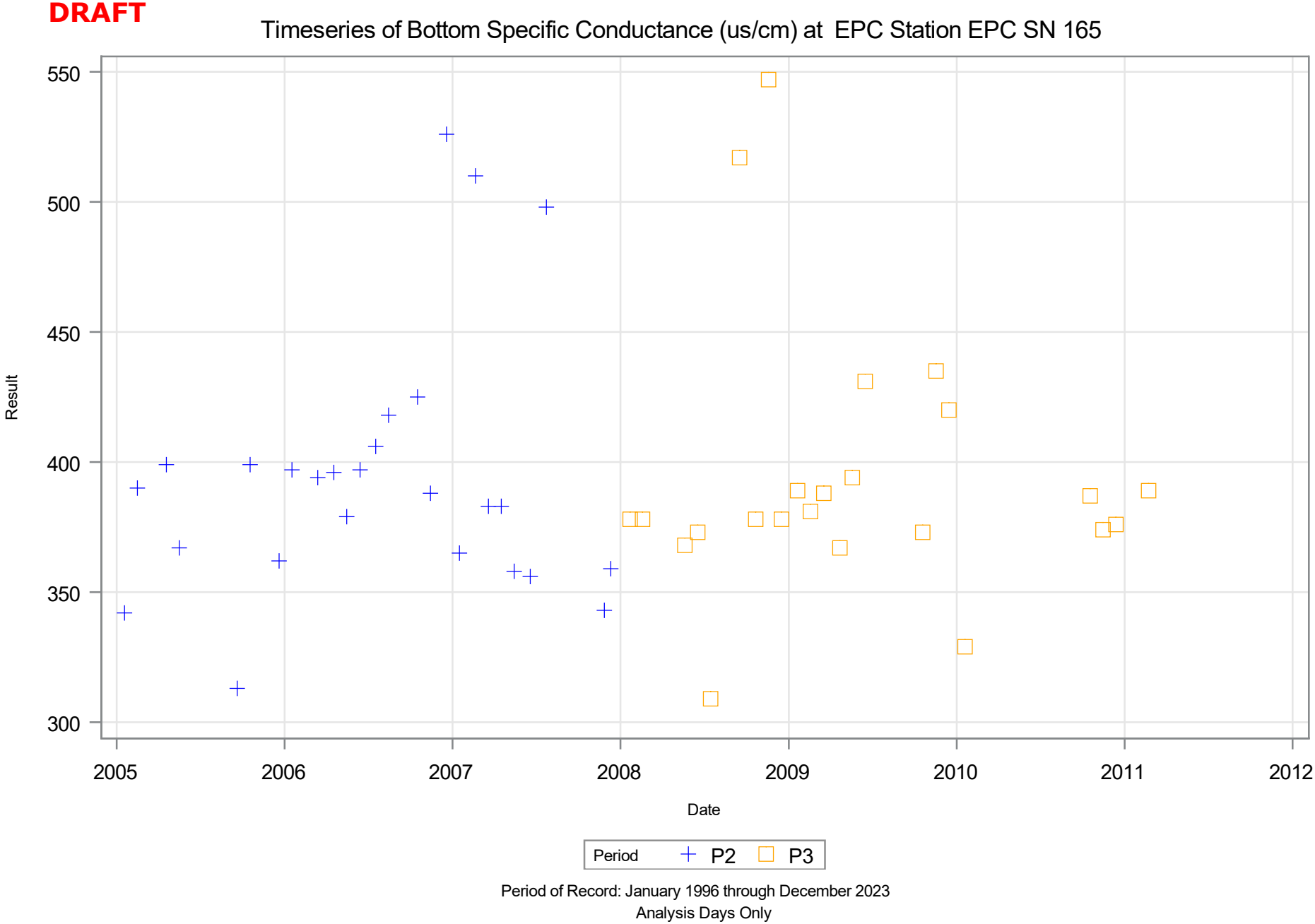
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	5570.00	10980.00	16185.00	14750.00	20650.00	30900.00
P2	44	1138.00	6595.00	9655.18	10040.00	11860.00	19800.00
P3	26	7720.00	10970.00	13264.62	13535.00	16000.00	18700.00
P4	24	5720.00	10125.00	11778.33	11520.00	14175.00	15900.00
P5	21	5190.00	9160.00	11224.76	11840.00	13630.00	16500.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

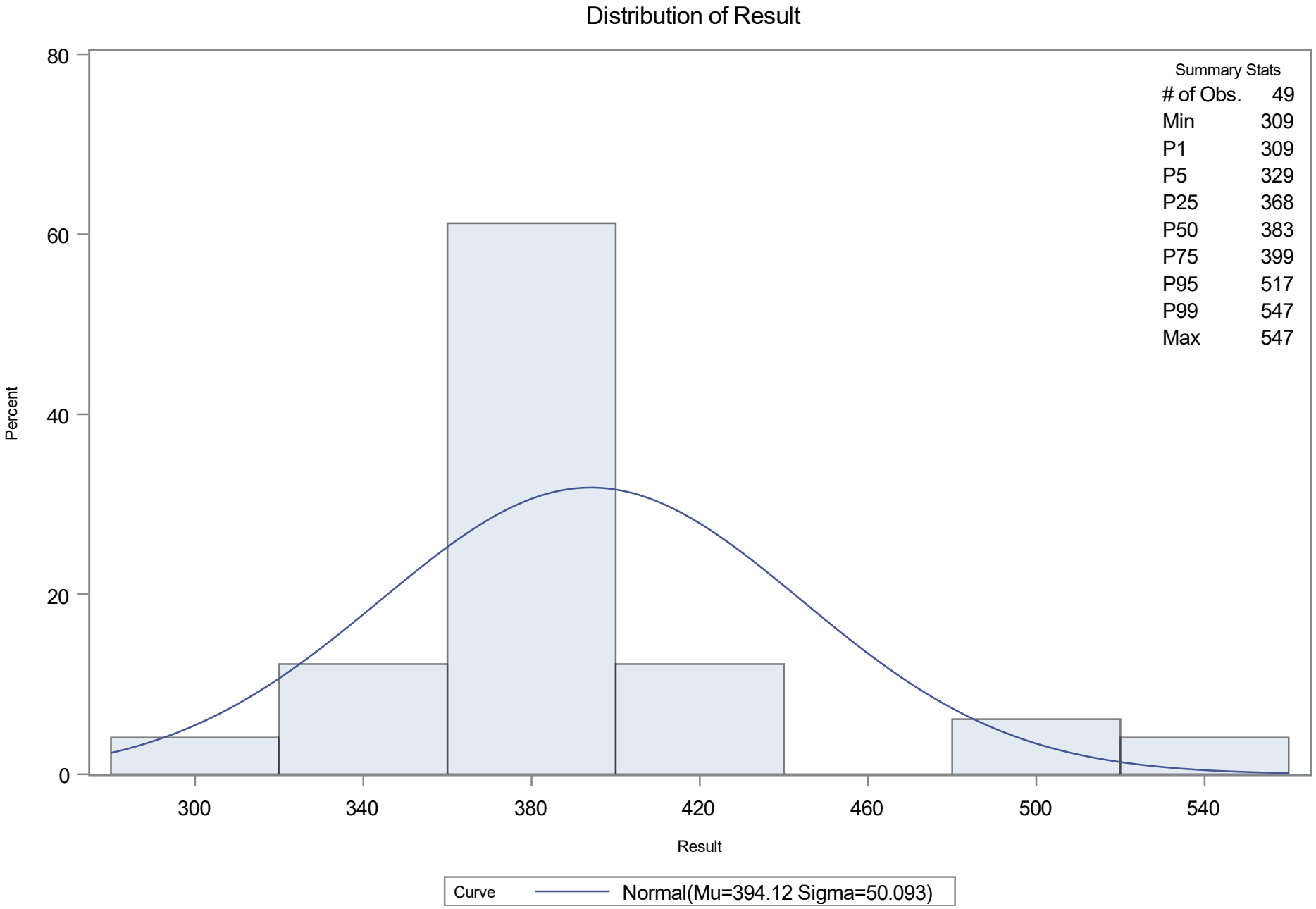

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 152
Result
30000
20000
10000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 165
Result
550
500
450
400
350
300
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	394.1224
Std Dev	Sigma	50.09268

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23672627	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.54345946	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.06473453	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	309.000	277.589
5.0	329.000	311.727
10.0	343.000	329.926
25.0	368.000	360.335
50.0	383.000	394.122
75.0	399.000	427.909
90.0	498.000	458.319
95.0	517.000	476.518
99.0	547.000	510.655

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

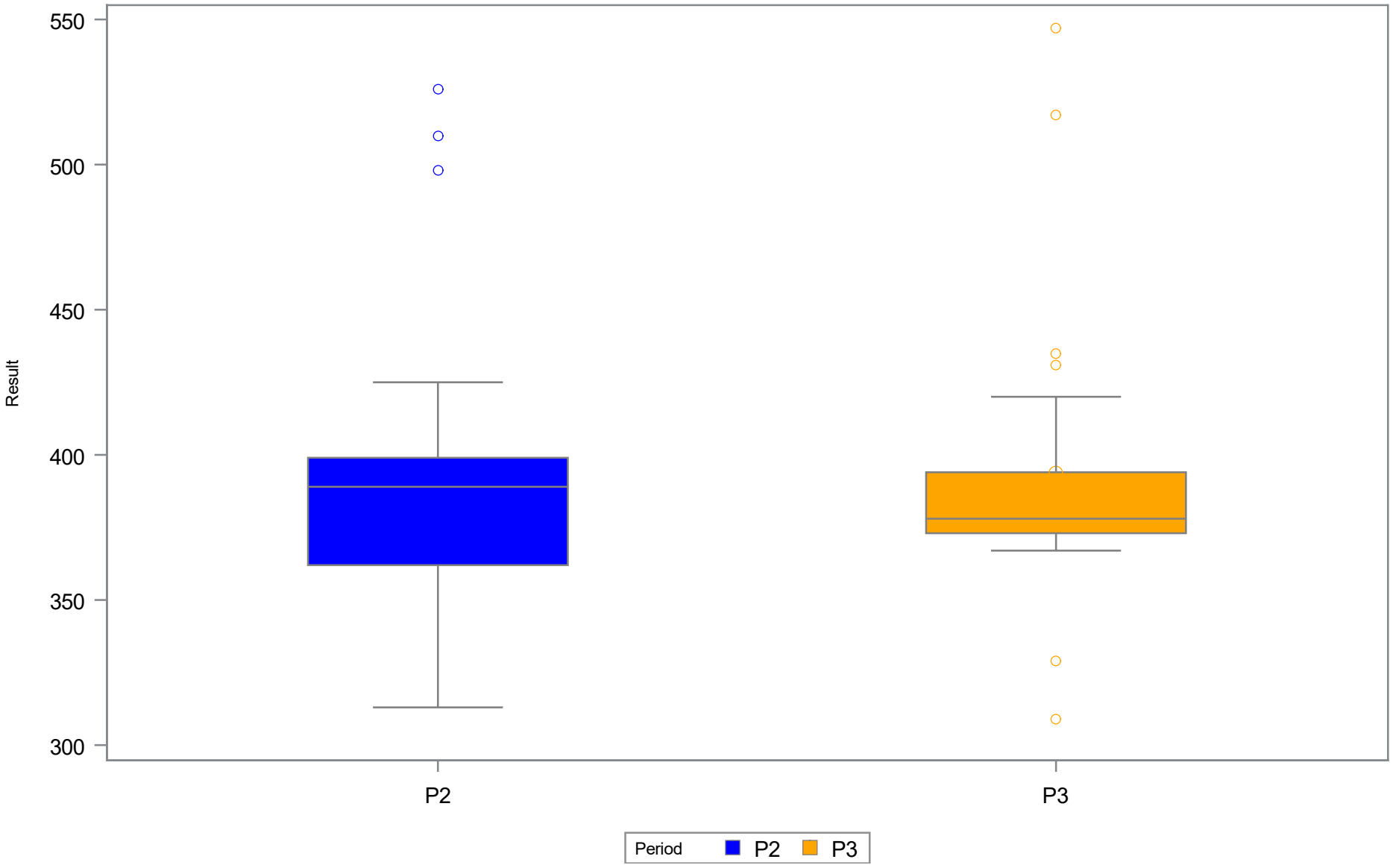
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 165

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	313.00	362.00	394.35	389.00	399.00	526.00
P3	23	309.00	373.00	393.87	378.00	394.00	547.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

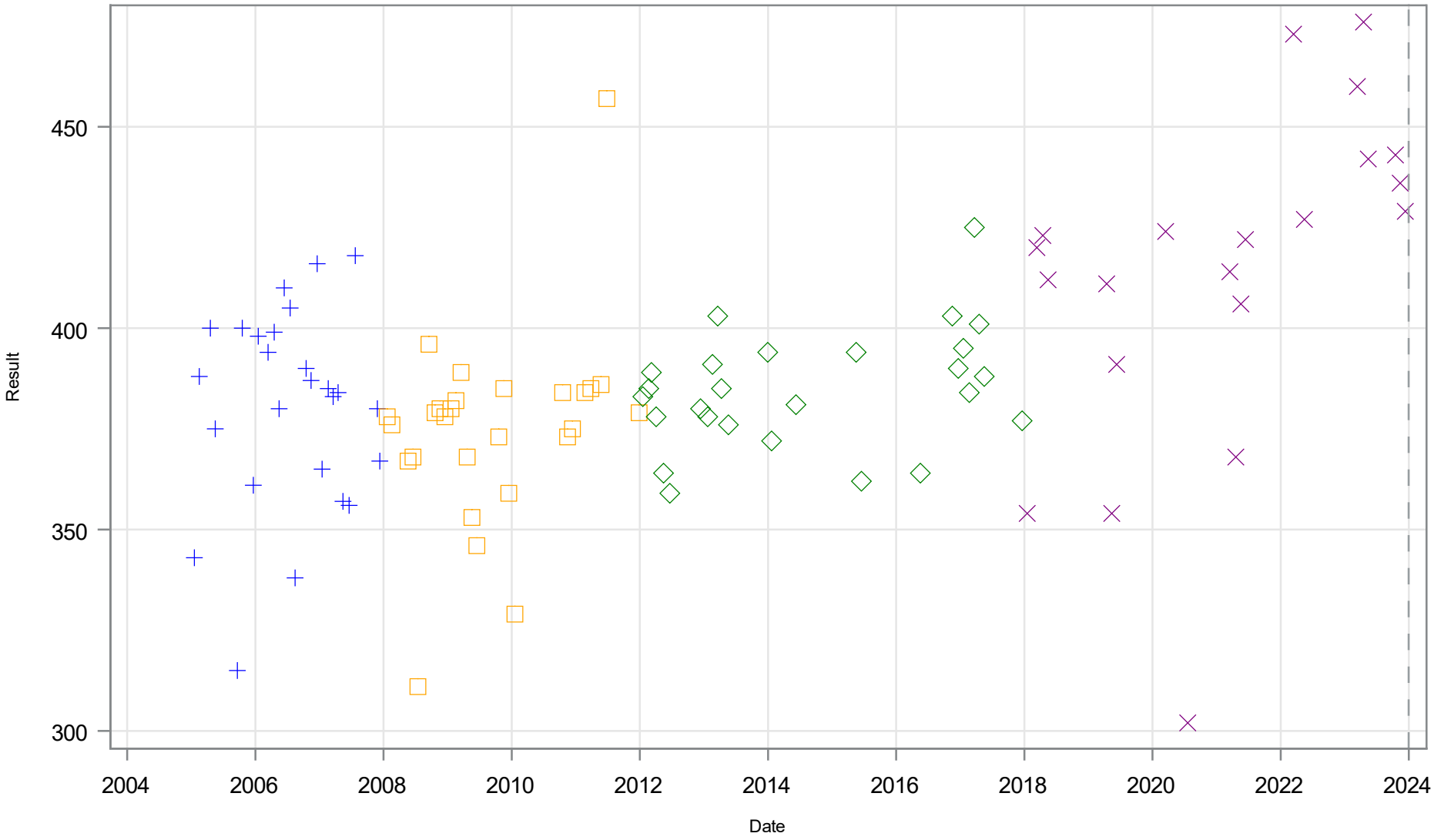
Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

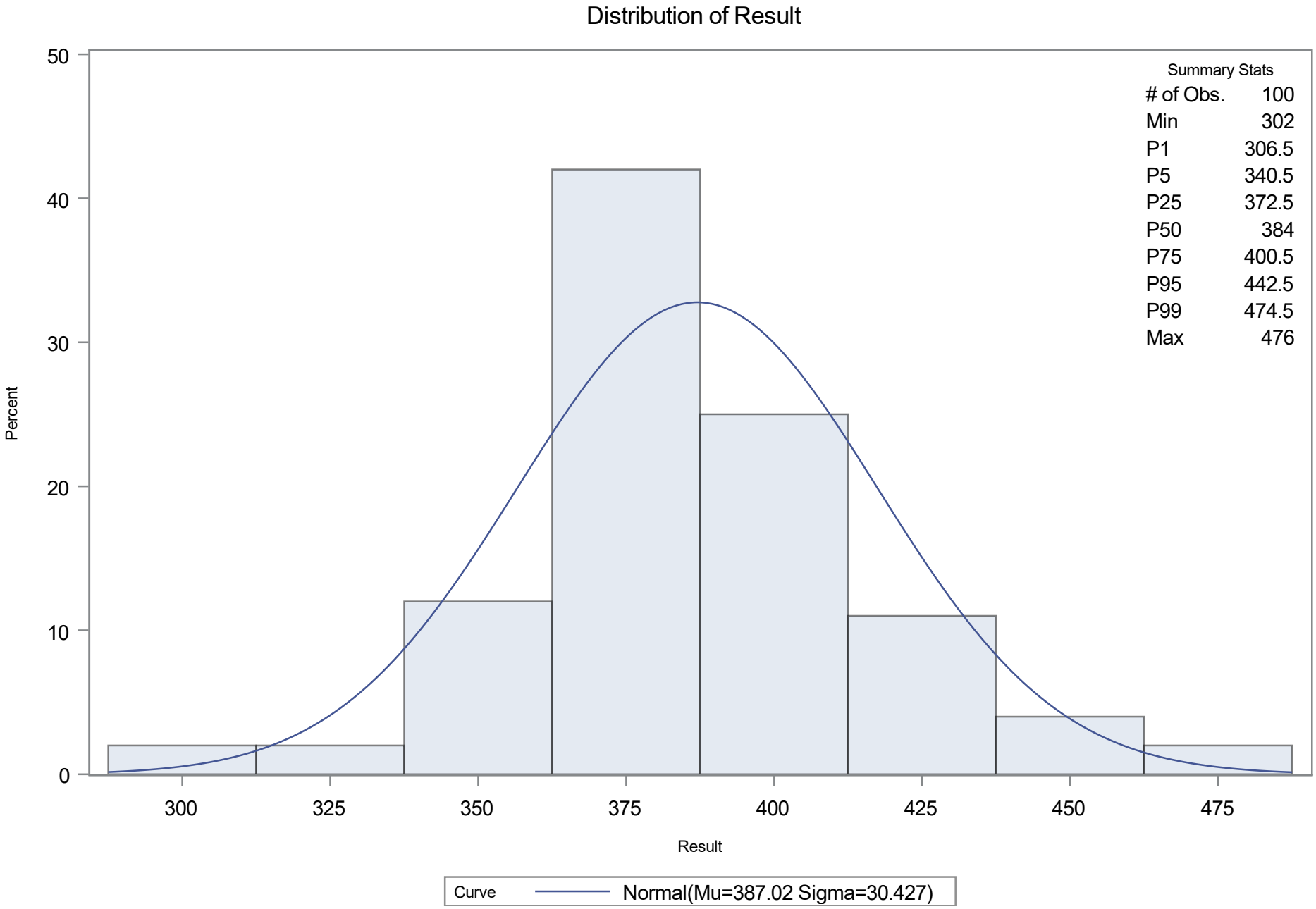
Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	387.02
Std Dev	Sigma	30.42692

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10796470	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27353879	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.46247301	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	306.500	316.236
5.0	340.500	336.972
10.0	355.000	348.026
25.0	372.500	366.497
50.0	384.000	387.020
75.0	400.500	407.543
90.0	424.500	426.014
95.0	442.500	437.068
99.0	474.500	457.804

Period of Record: January 1996 through December 2023
Analysis Days Only

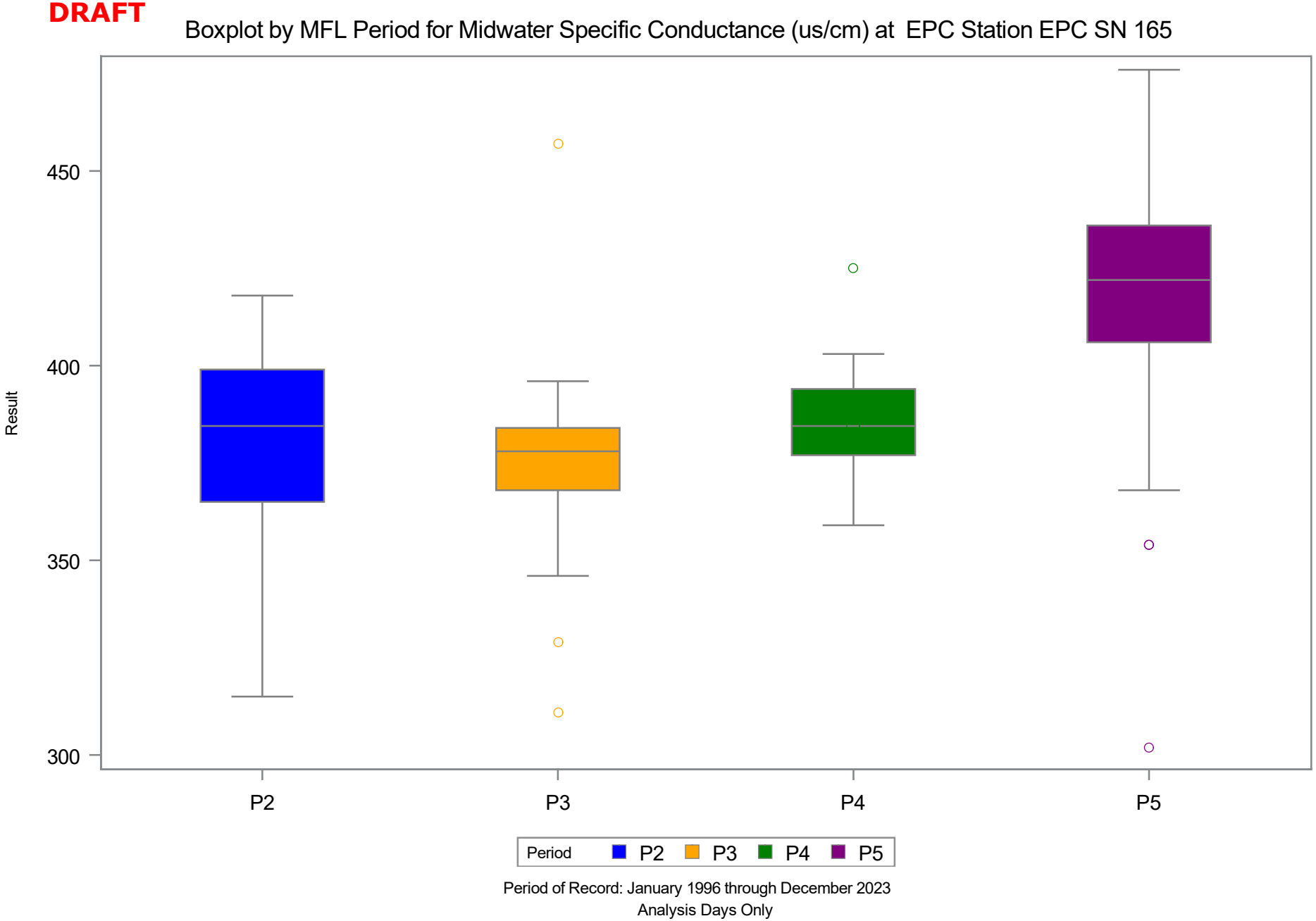
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 165

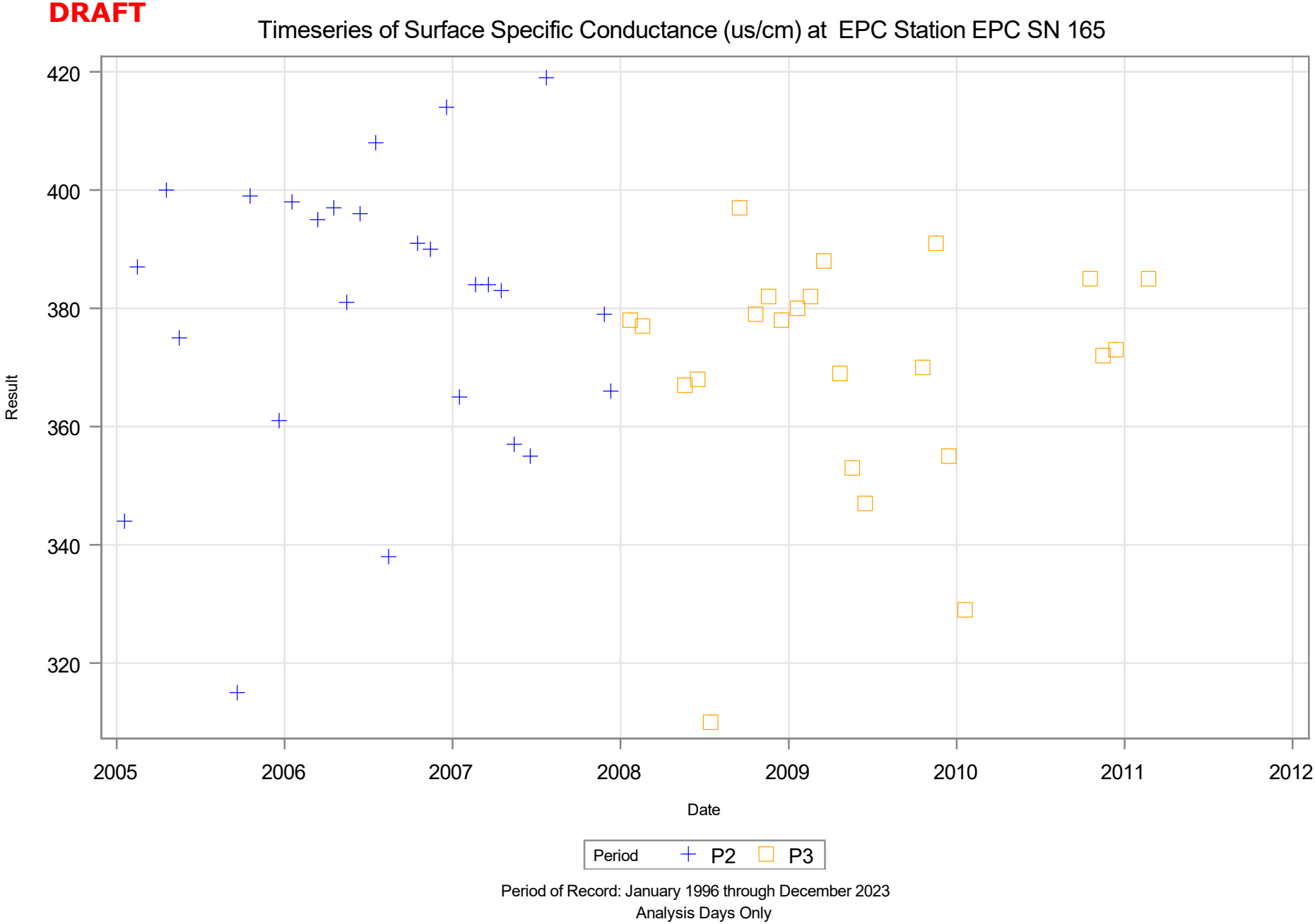
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	315.00	365.00	380.54	384.50	399.00	418.00
P3	27	311.00	368.00	374.81	378.00	384.00	457.00
P4	26	359.00	377.00	384.65	384.50	394.00	425.00
P5	21	302.00	406.00	413.67	422.00	436.00	476.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

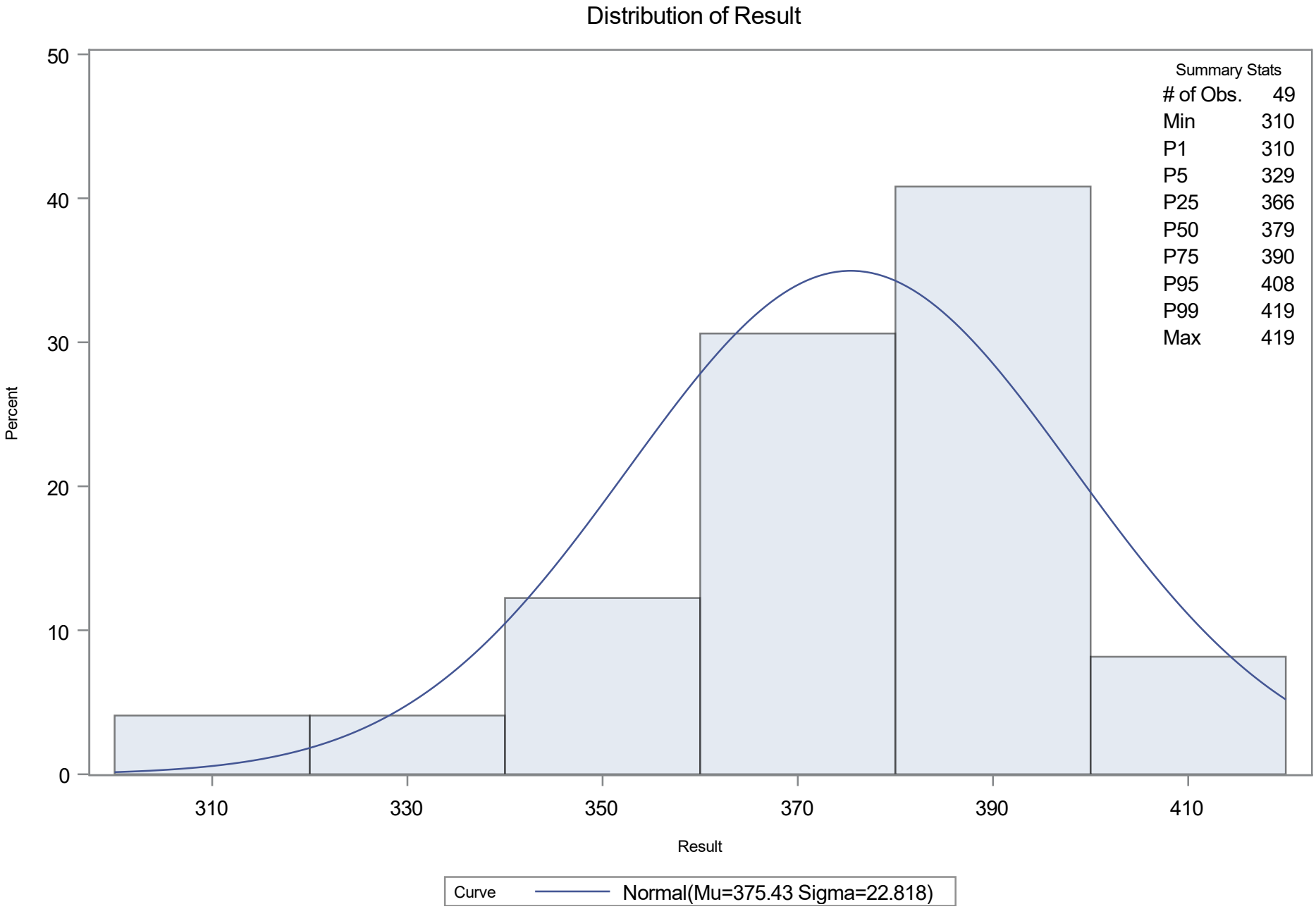

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 165
Result
450
400
350
300
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 165
Result
420
400
380
360
340
320
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	375.4286
Std Dev	Sigma	22.81812

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11928922	**Pr > D**	0.081
Cramer-von Mises	**W-Sq**	0.13731647	**Pr > W-Sq**	0.036
Anderson-Darling	**A-Sq**	0.80955275	**Pr > A-Sq**	0.035

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	310.000	322.346
5.0	329.000	337.896
10.0	344.000	346.186
25.0	366.000	360.038
50.0	379.000	375.429
75.0	390.000	390.819
90.0	399.000	404.671
95.0	408.000	412.961
99.0	419.000	428.511

Period of Record: January 1996 through December 2023
Analysis Days Only

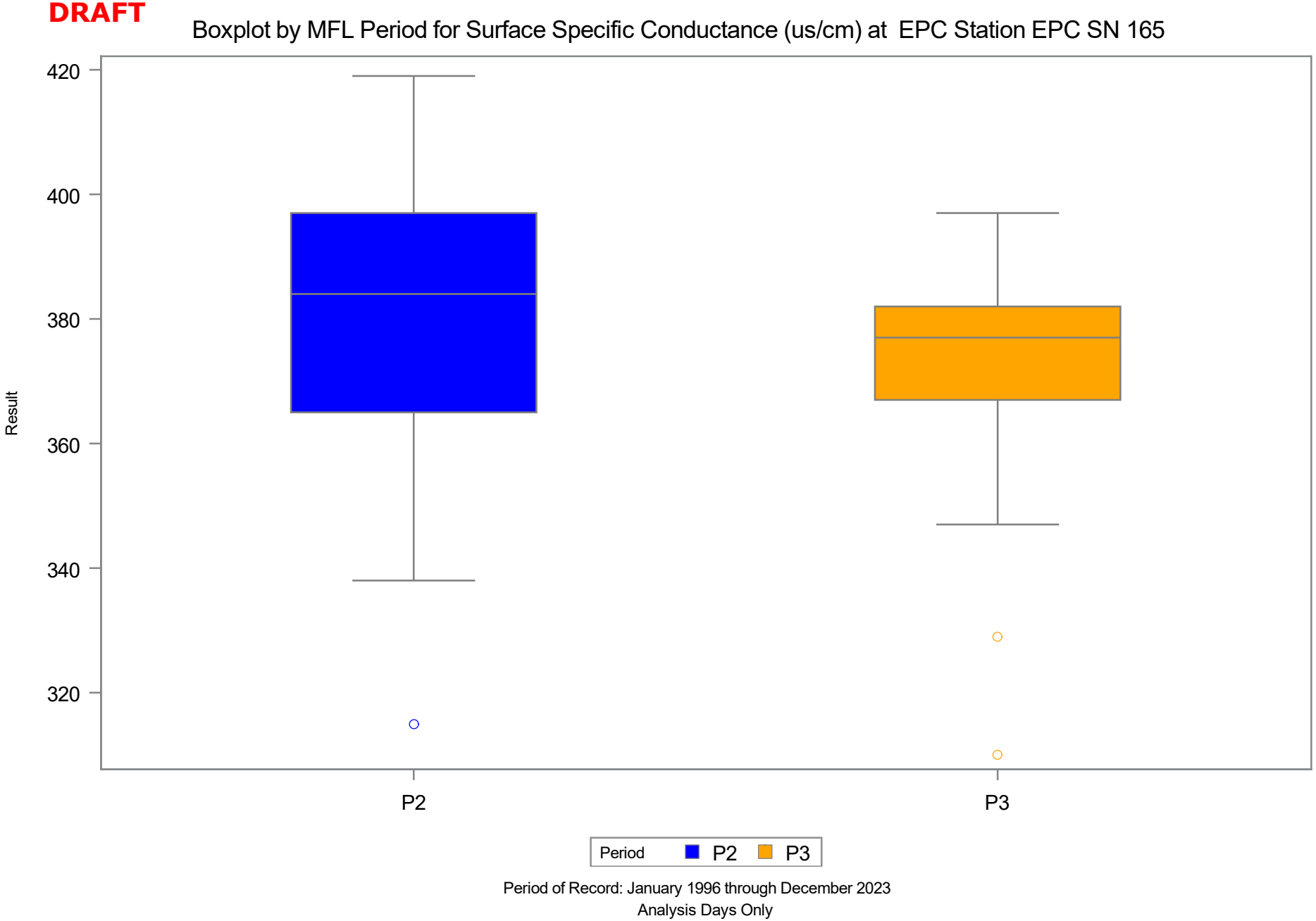
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 165

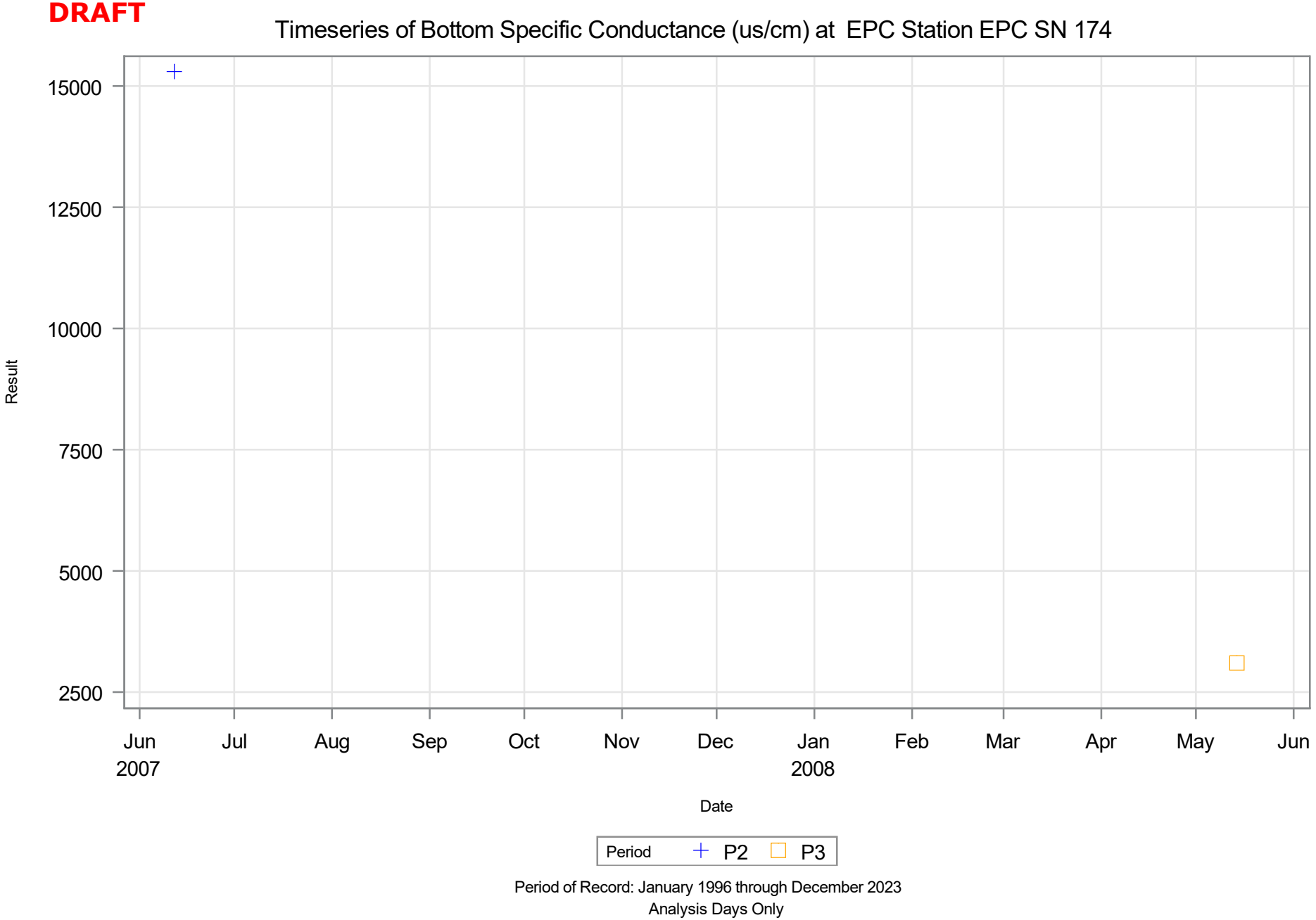
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	315.00	365.00	380.04	384.00	397.00	419.00
P3	23	310.00	367.00	370.22	377.00	382.00	397.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

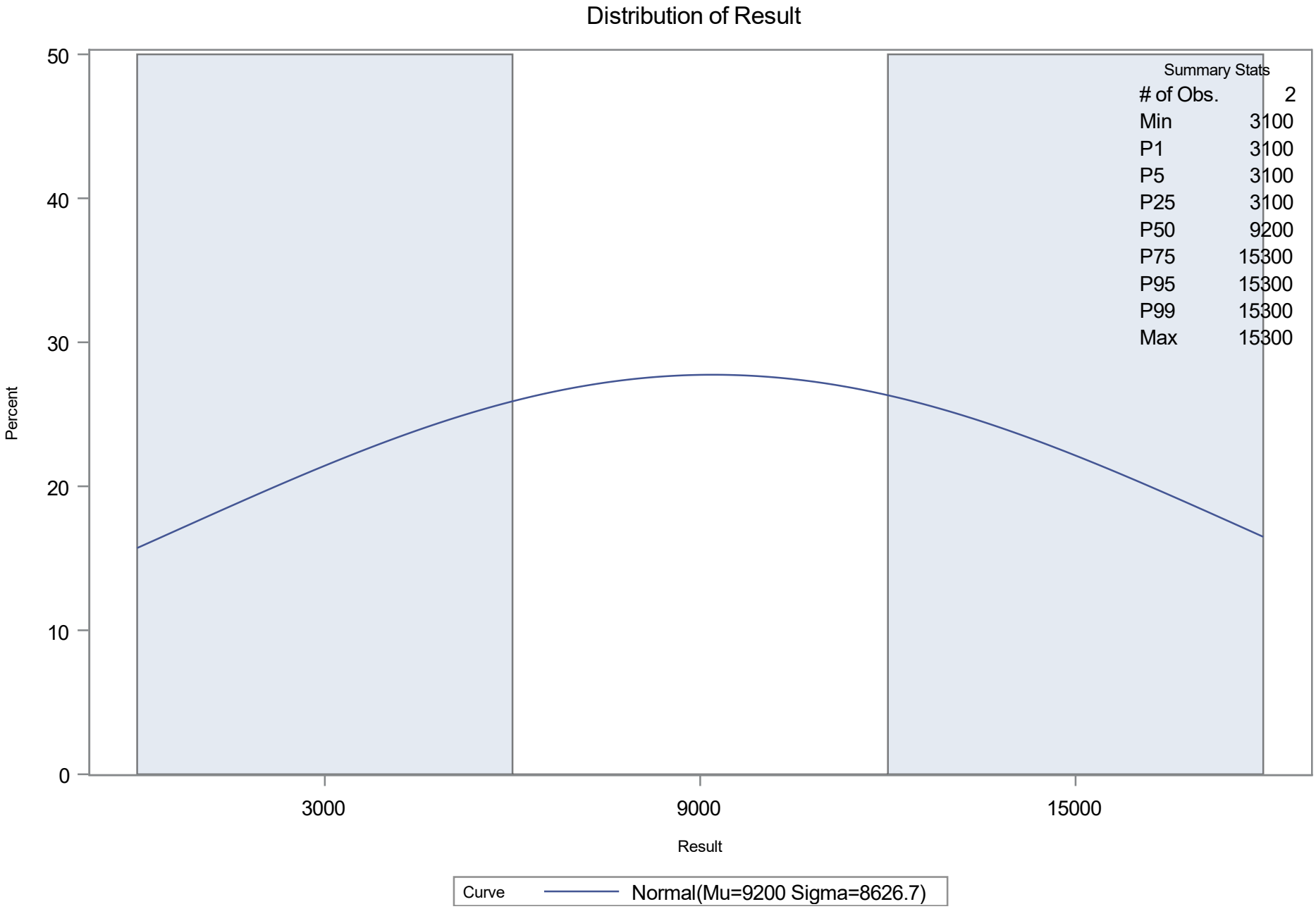

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 165
Result
420
400
380
360
340
320
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 174
15000
12500
10000
7500
5000
2500
Result
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9200
Std Dev	Sigma	8626.703

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3100.00	-10868.71
5.0	3100.00	-4989.66
10.0	3100.00	-1855.56
25.0	3100.00	3381.38
50.0	9200.00	9200.00
75.0	15300.00	15018.62
90.0	15300.00	20255.56
95.0	15300.00	23389.66
99.0	15300.00	29268.71

Period of Record: January 1996 through December 2023
Analysis Days Only

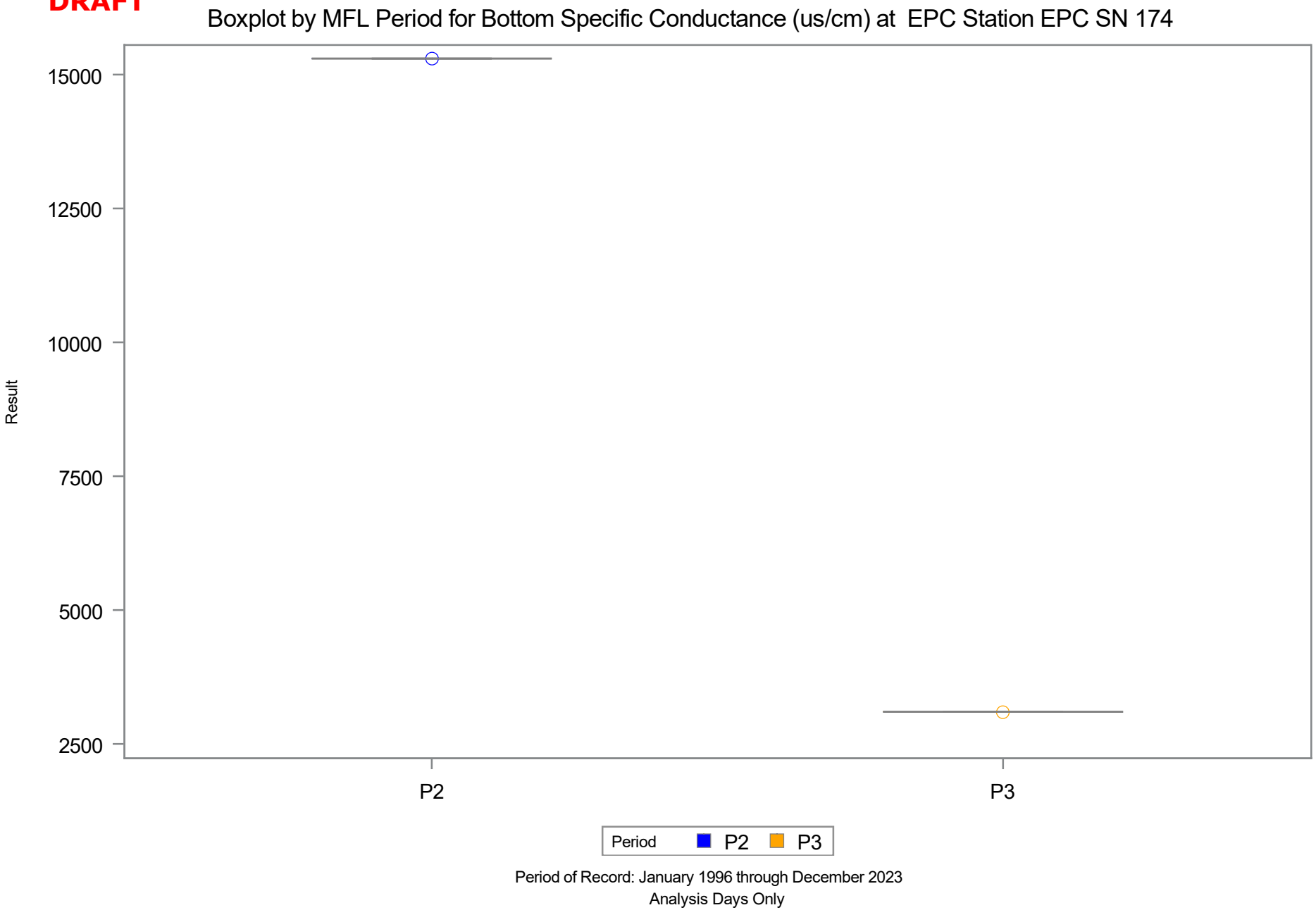
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 174

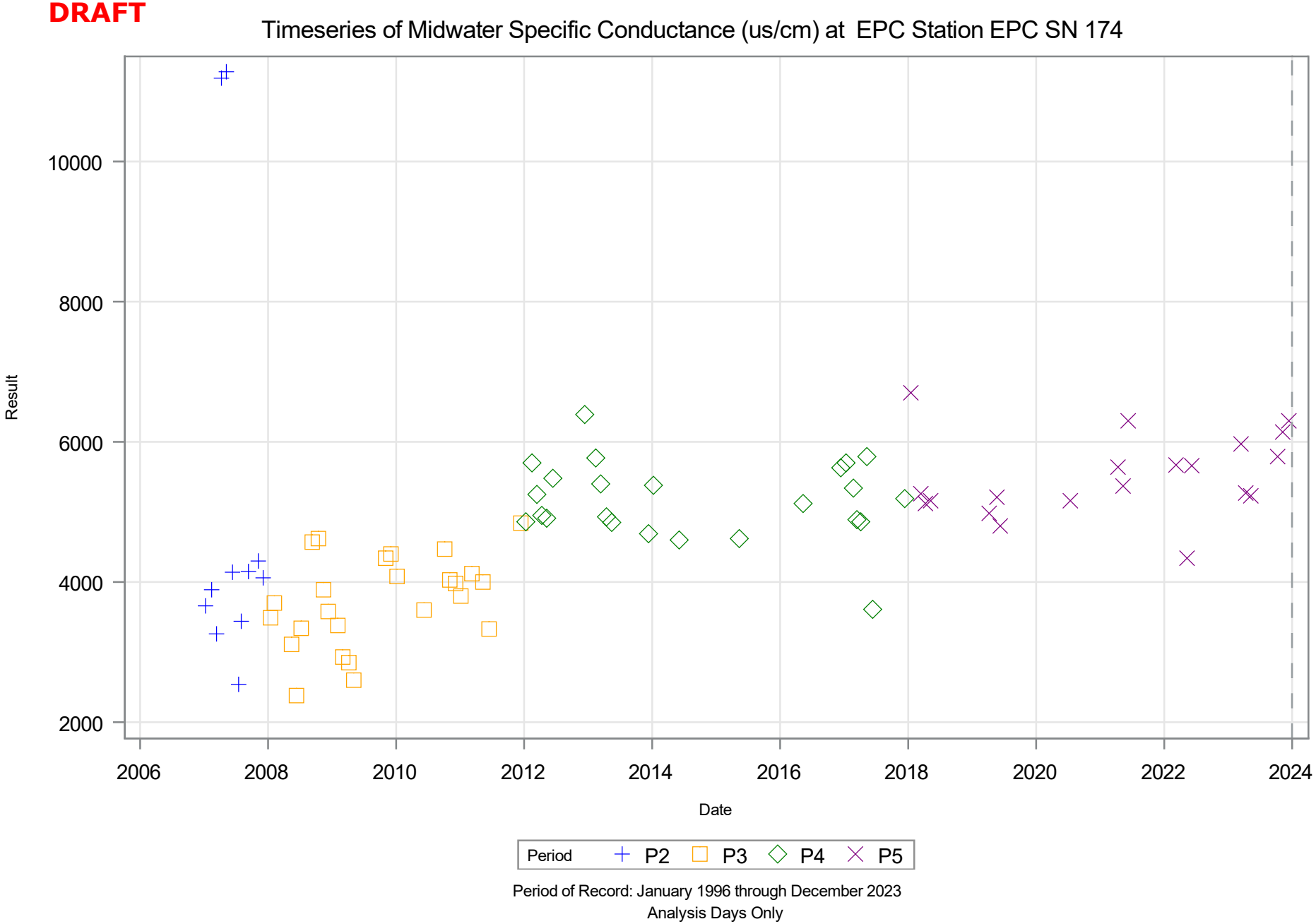
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	15300.00	15300.00	15300.00	15300.00	15300.00	15300.00
P3	1	3100.00	3100.00	3100.00	3100.00	3100.00	3100.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

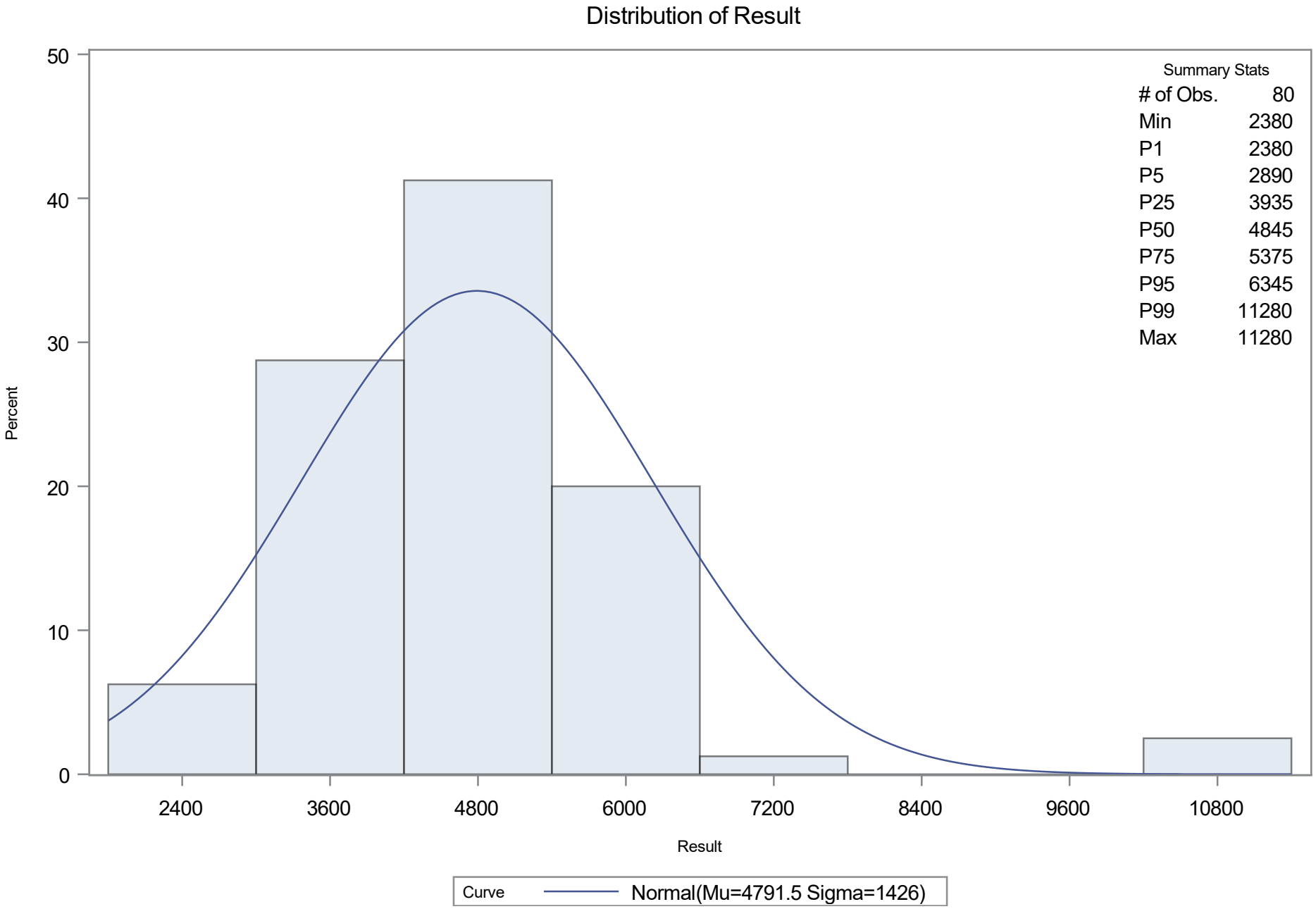

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 174
Result
15000
12500
10000
7500
5000
2500
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 174
Result
10000
8000
6000
4000
2000
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4791.5
Std Dev	Sigma	1425.952

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14189063	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26128679	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.15042291	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2380.00	1474.24
5.0	2890.00	2446.02
10.0	3335.00	2964.07
25.0	3935.00	3829.71
50.0	4845.00	4791.50
75.0	5375.00	5753.29
90.0	5880.00	6618.93
95.0	6345.00	7136.98
99.0	11280.00	8108.76

Period of Record: January 1996 through December 2023
Analysis Days Only

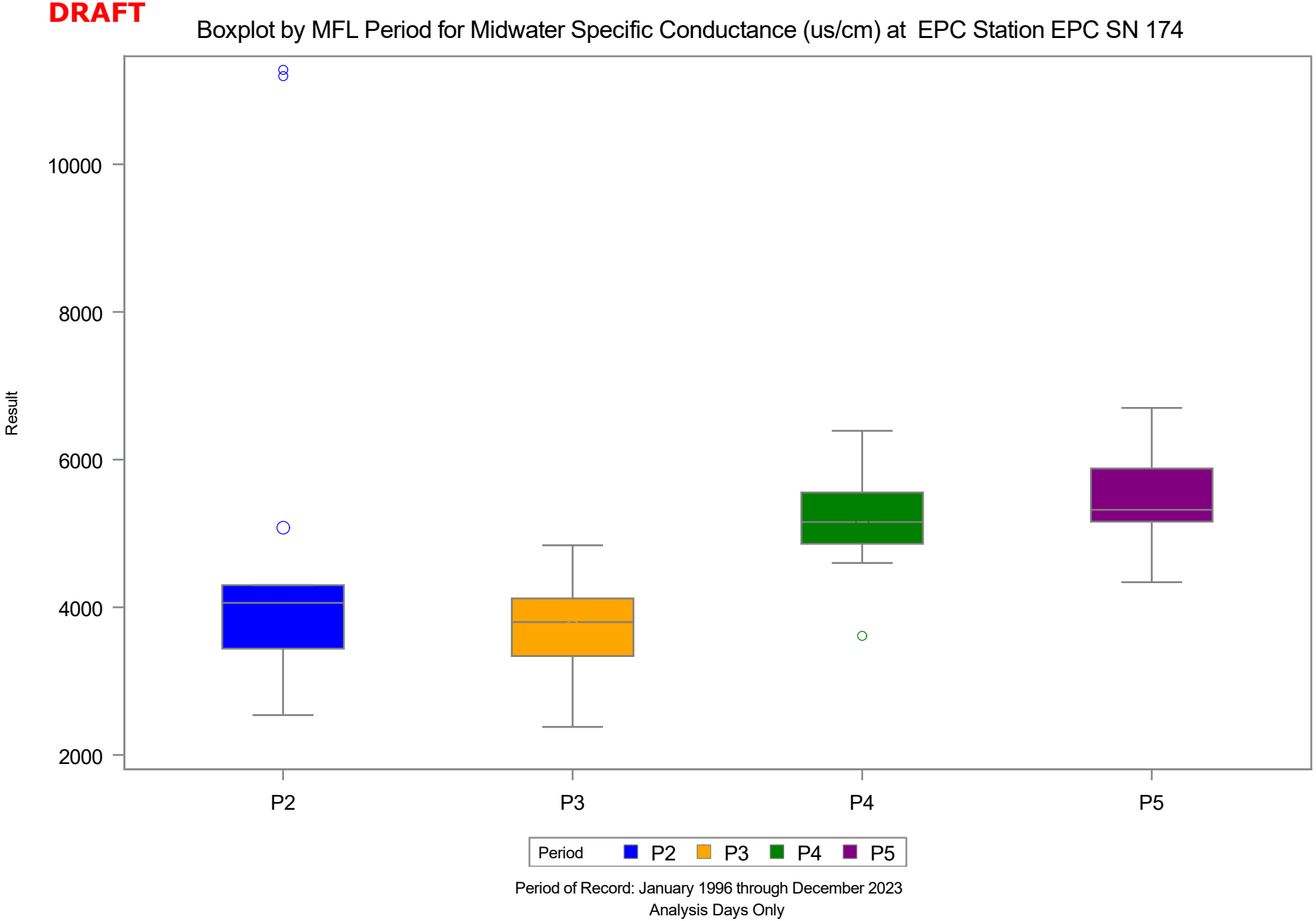
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 174

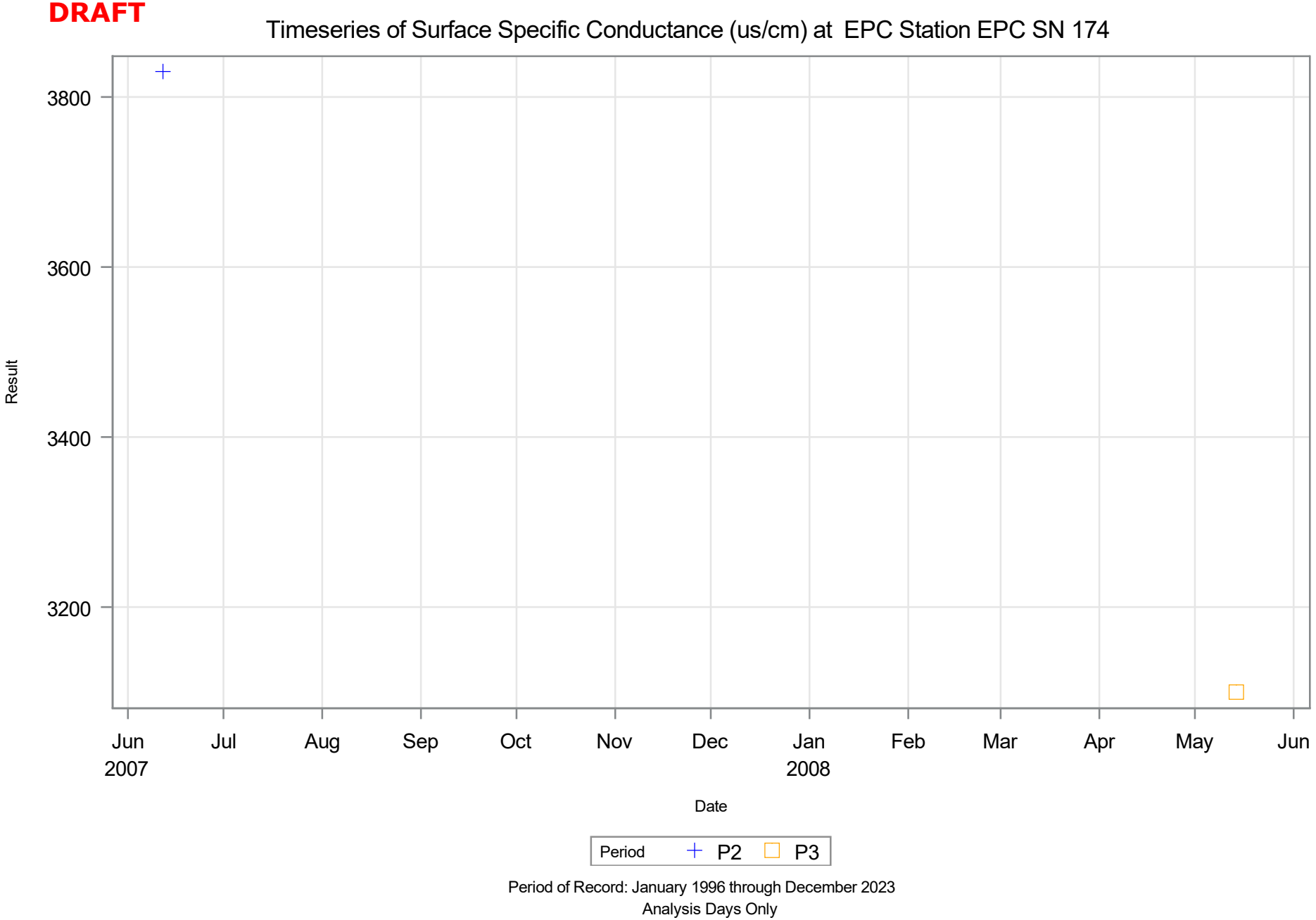
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	2540.00	3440.00	5082.73	4060.00	4300.00	11280.00
P3	25	2380.00	3340.00	3737.20	3800.00	4120.00	4840.00
P4	24	3610.00	4860.00	5162.92	5155.00	5555.00	6390.00
P5	20	4340.00	5160.00	5503.50	5320.00	5880.00	6700.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

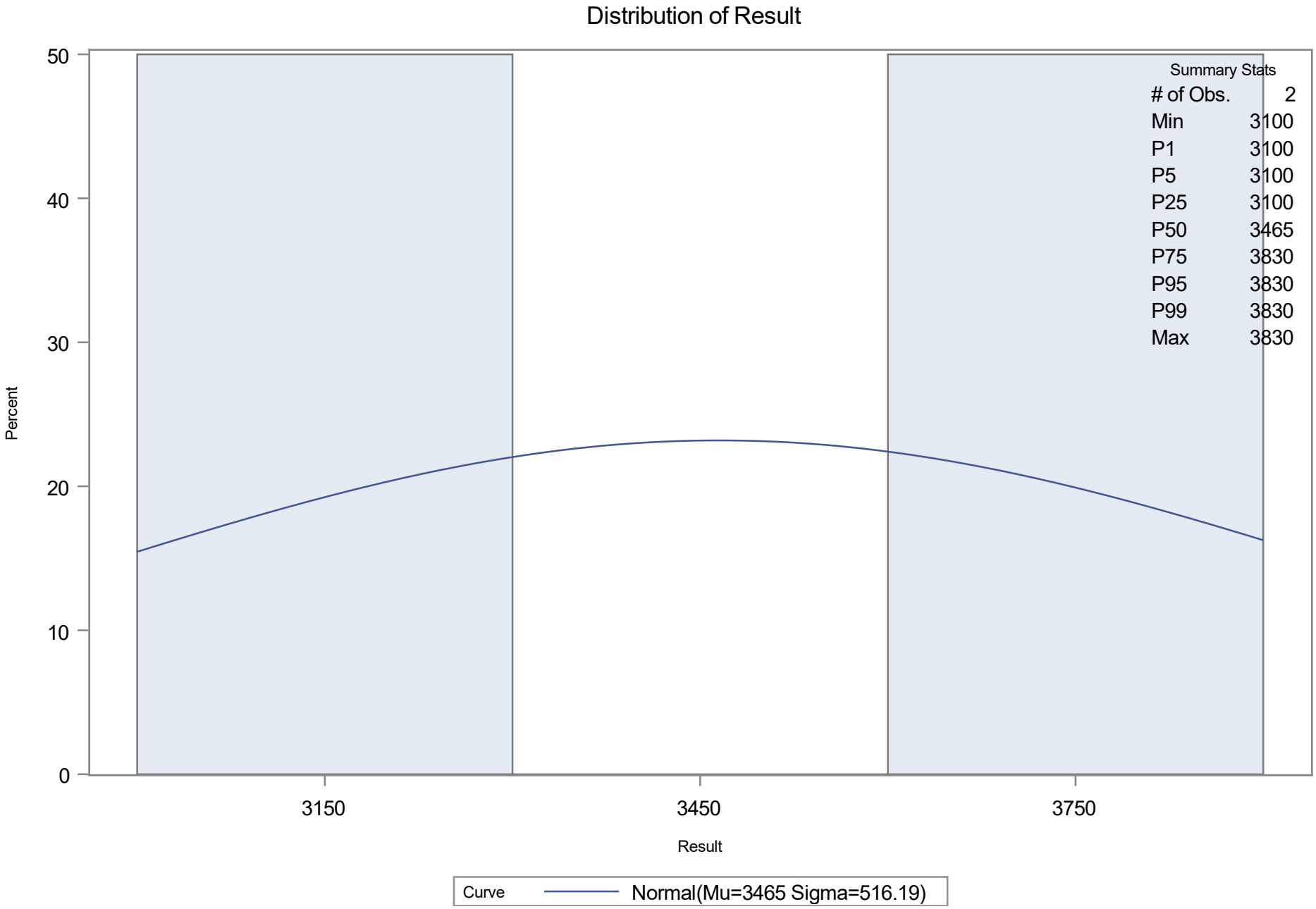

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 174
Result
10000
8000
6000
4000
2000
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 174
Result
3800
3600
3400
3200
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3465
Std Dev	Sigma	516.188

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3100.00	2264.17
5.0	3100.00	2615.95
10.0	3100.00	2803.48
25.0	3100.00	3116.84
50.0	3465.00	3465.00
75.0	3830.00	3813.16
90.0	3830.00	4126.52
95.0	3830.00	4314.05
99.0	3830.00	4665.83

Period of Record: January 1996 through December 2023
Analysis Days Only

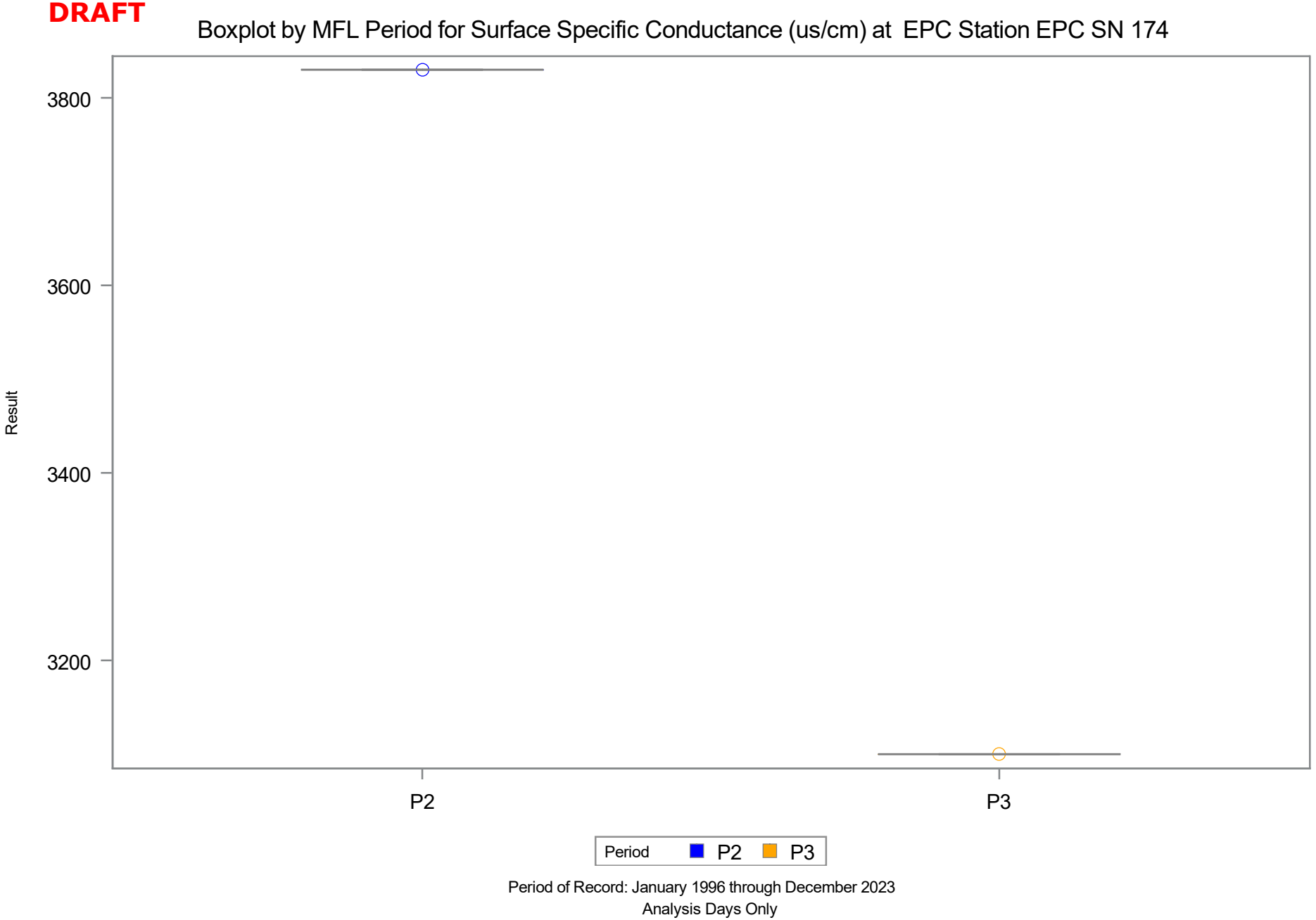
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 174

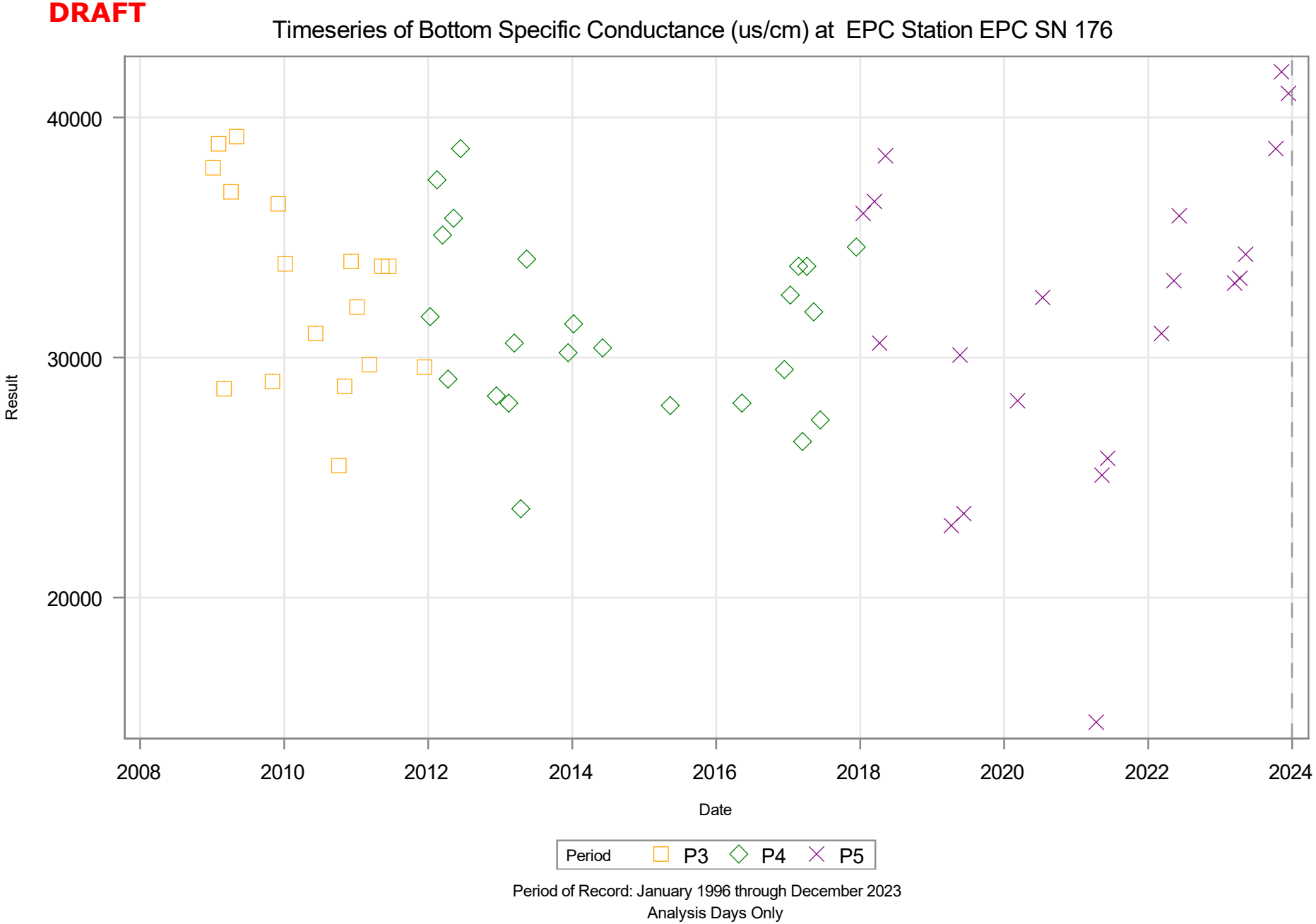
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	3830.00	3830.00	3830.00	3830.00	3830.00	3830.00
P3	1	3100.00	3100.00	3100.00	3100.00	3100.00	3100.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 174
Result
3800
3600
3400
3200
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

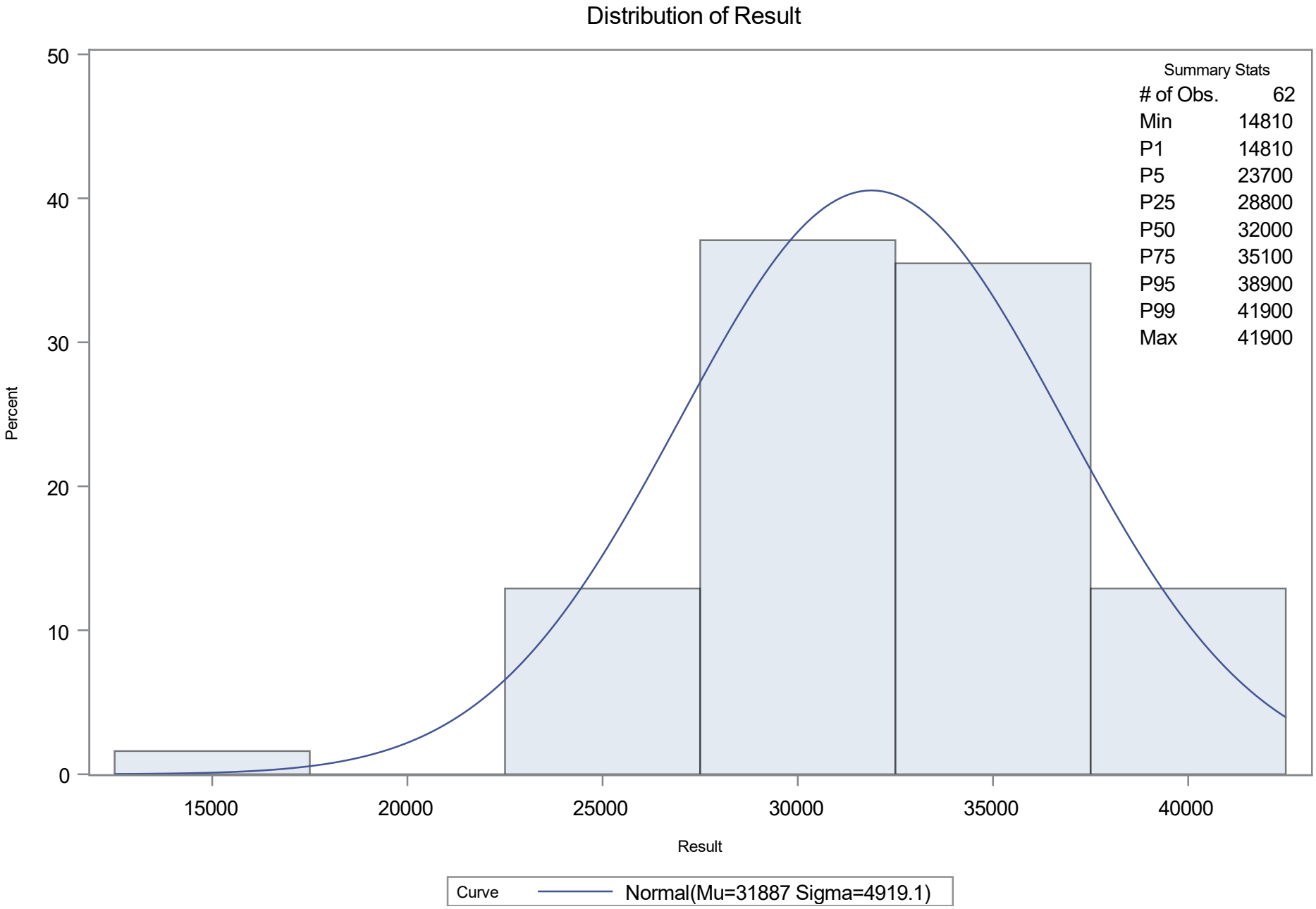
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	31887.26
Std Dev	Sigma	4919.096

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06953303	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02766460	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23326598	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14810.0	20443.7
5.0	23700.0	23796.1
10.0	25800.0	25583.2
25.0	28800.0	28569.4
50.0	32000.0	31887.3
75.0	35100.0	35205.1
90.0	38400.0	38191.3
95.0	38900.0	39978.5
99.0	41900.0	43330.8

Period of Record: January 1996 through December 2023
Analysis Days Only

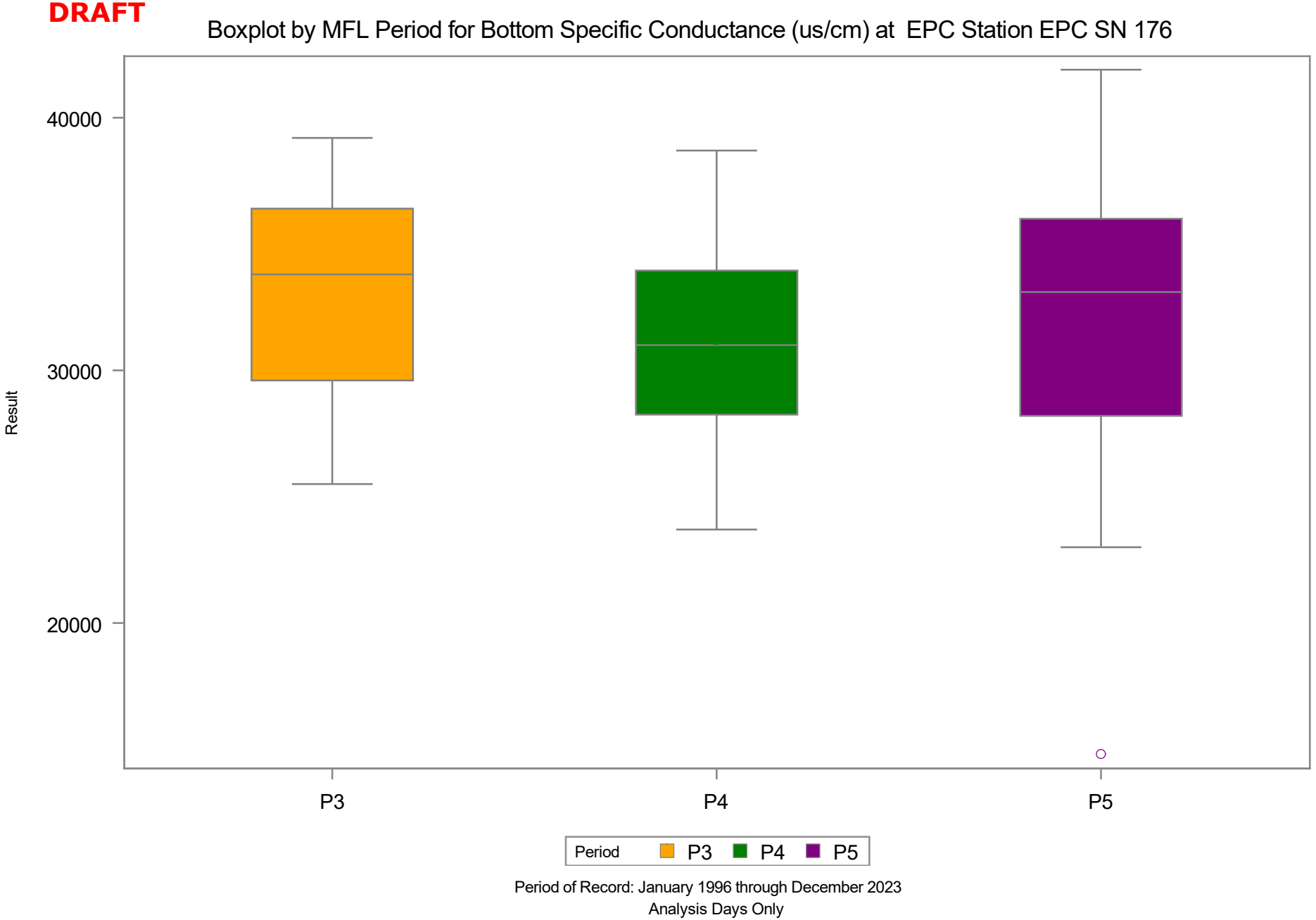
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 176

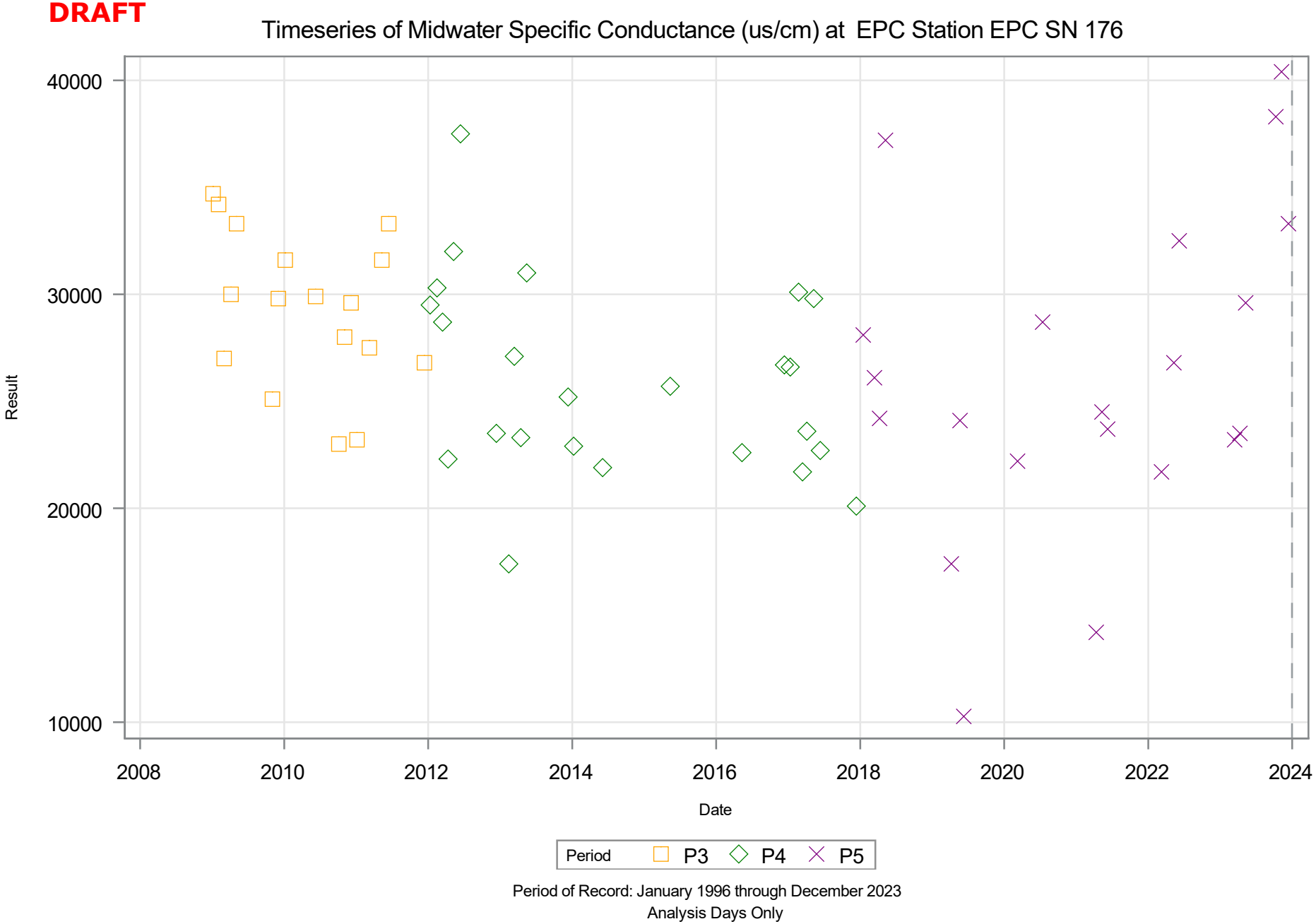
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	25500.00	29600.00	32894.12	33800.00	36400.00	39200.00
P4	24	23700.00	28250.00	31287.50	31000.00	33950.00	38700.00
P5	21	14810.00	28200.00	31757.62	33100.00	36000.00	41900.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 176
Result
40000
30000
20000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

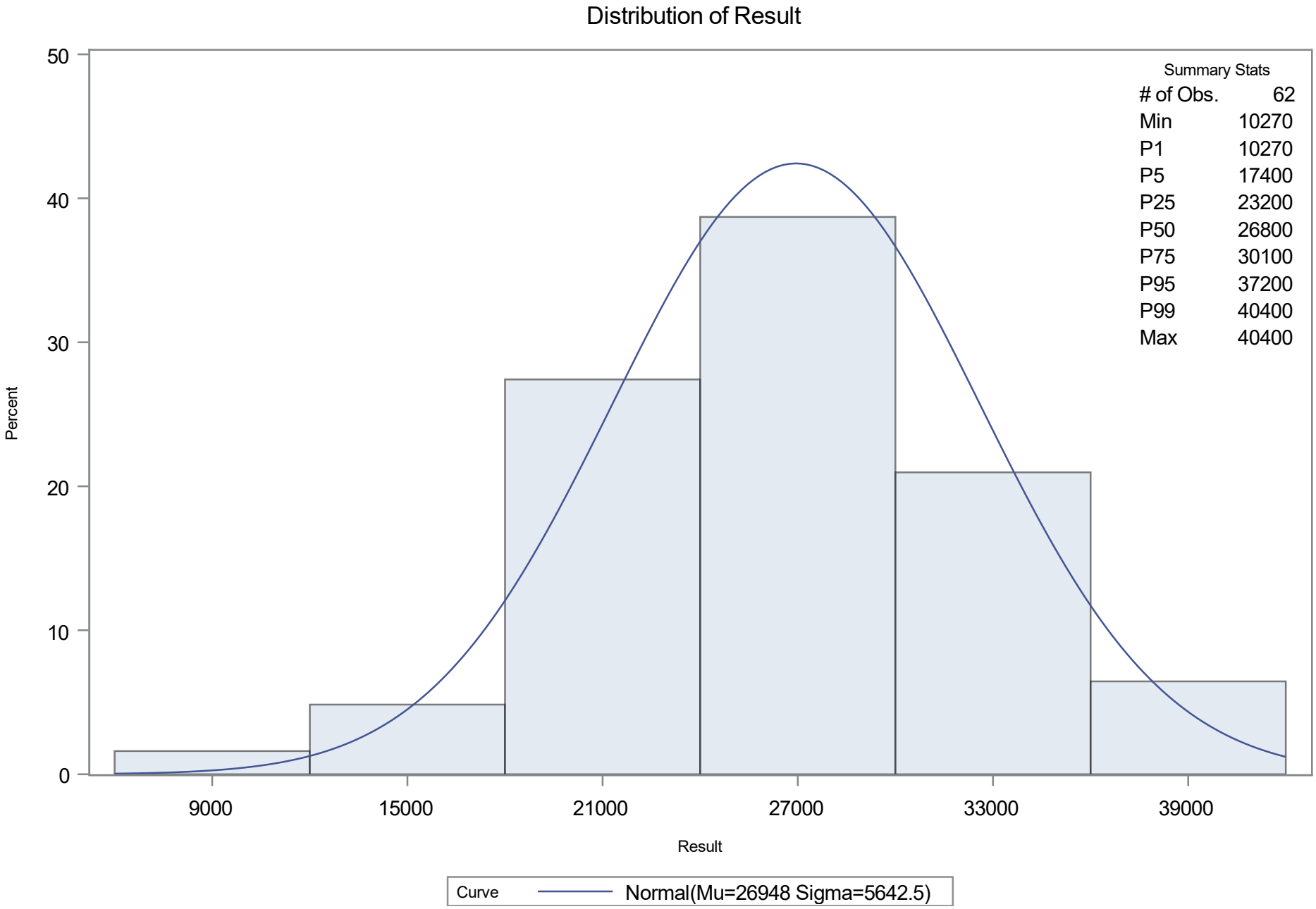
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26947.9
Std Dev	Sigma	5642.483

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09552231	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05819827	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41236384	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10270.0	13821.5
5.0	17400.0	17666.8
10.0	21700.0	19716.8
25.0	23200.0	23142.1
50.0	26800.0	26947.9
75.0	30100.0	30753.7
90.0	33300.0	34179.0
95.0	37200.0	36229.0
99.0	40400.0	40074.3

Period of Record: January 1996 through December 2023
Analysis Days Only

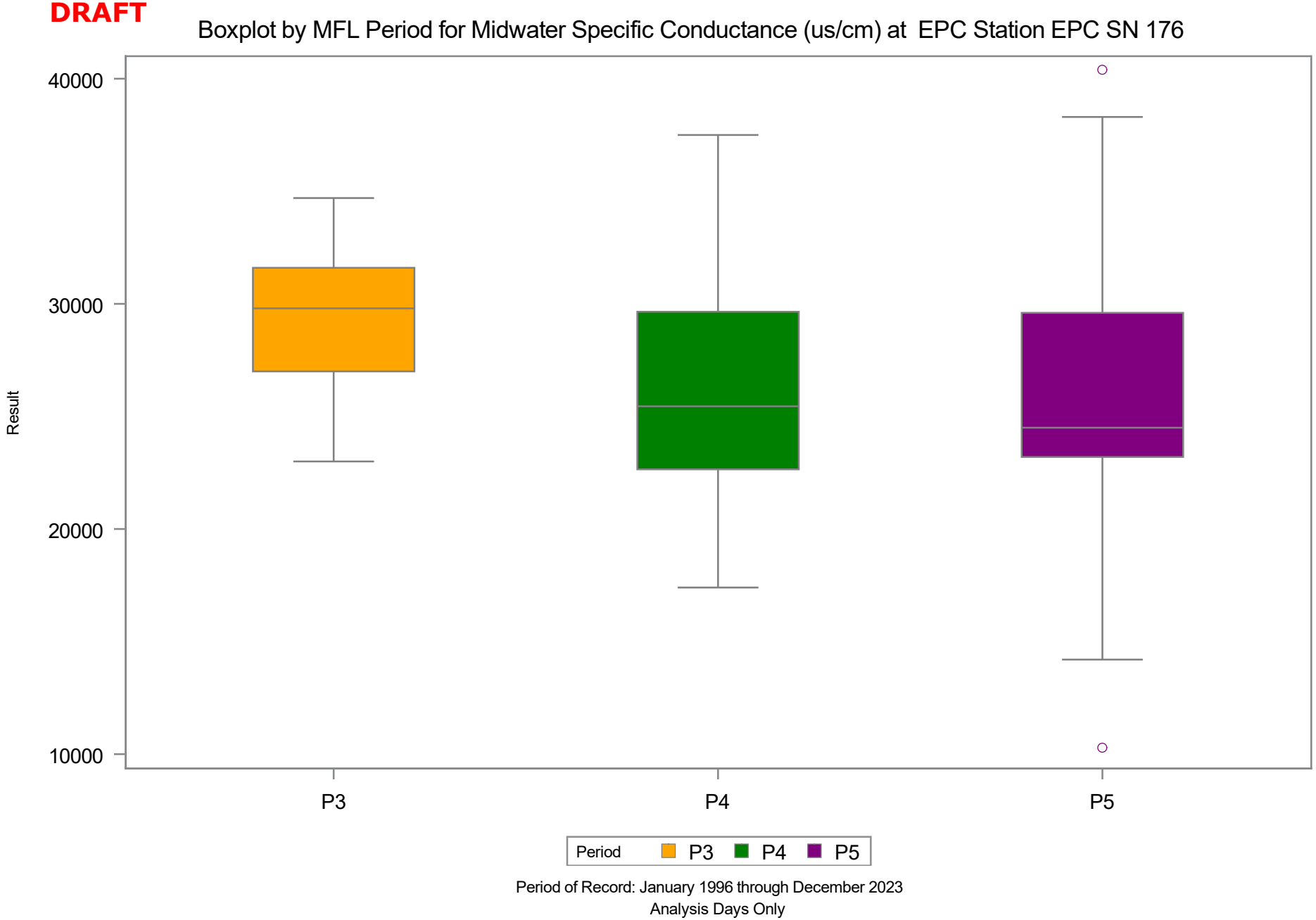
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 176

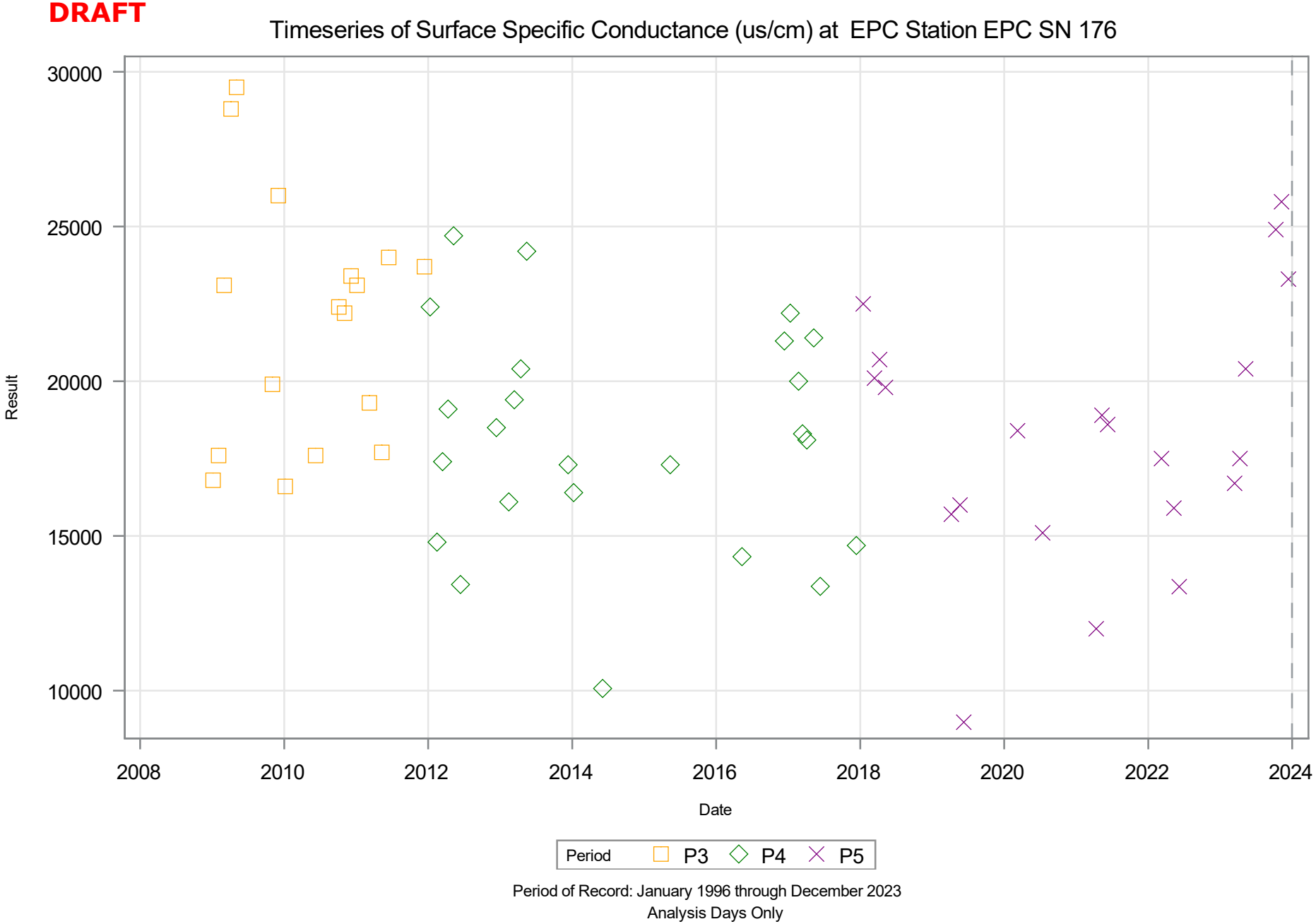
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	23000.00	27000.00	29329.41	29800.00	31600.00	34700.00
P4	24	17400.00	22650.00	25925.00	25450.00	29650.00	37500.00
P5	21	10270.00	23200.00	26189.05	24500.00	29600.00	40400.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

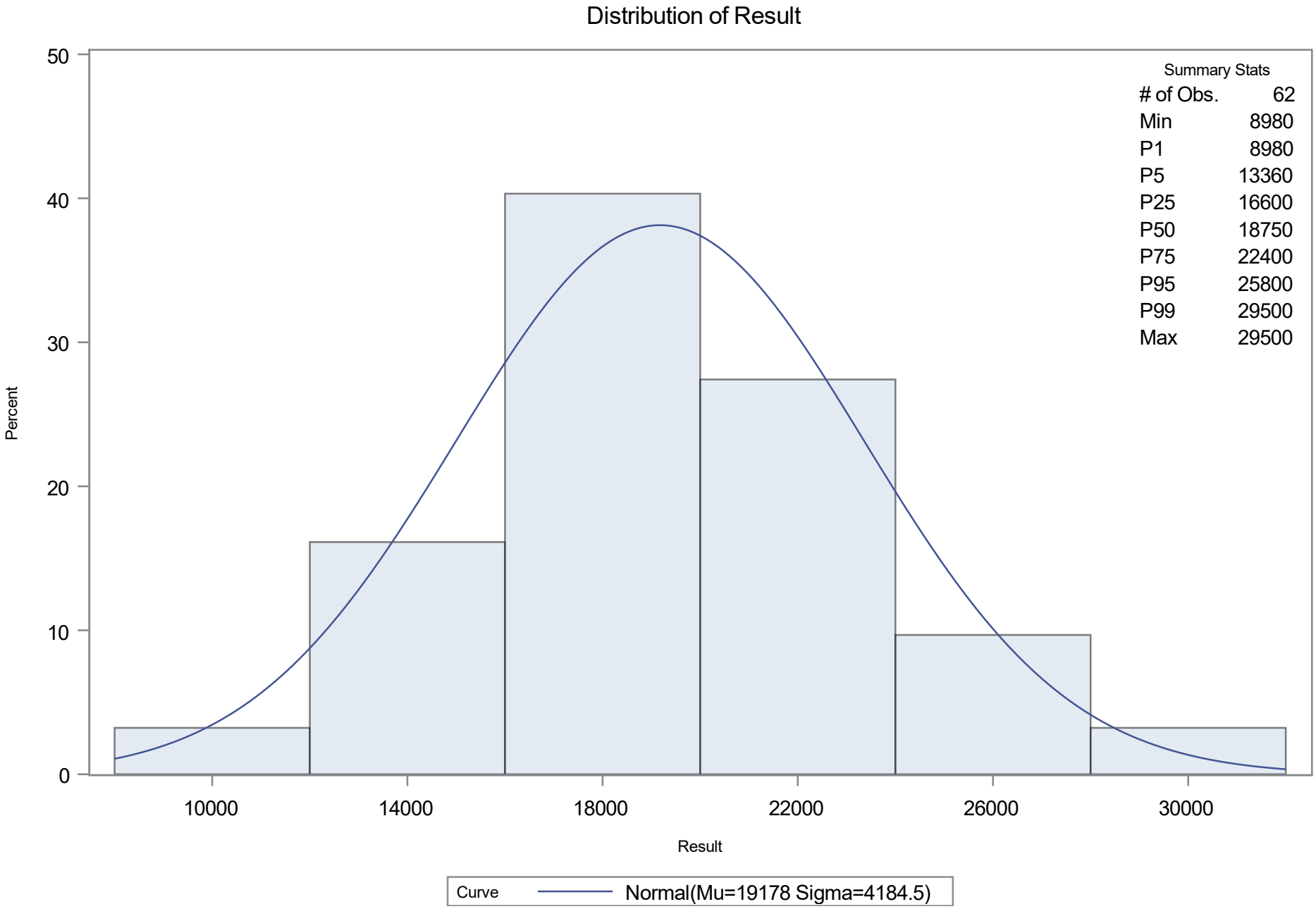

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 176
Result
40000
30000
20000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 176
Result
30000
25000
20000
15000
10000
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	19177.9
Std Dev	Sigma	4184.474

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05738082	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03487878	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20588658	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8980.00	9443.36
5.0	13360.00	12295.06
10.0	14330.00	13815.28
25.0	16600.00	16355.52
50.0	18750.00	19177.90
75.0	22400.00	22000.29
90.0	24200.00	24540.52
95.0	25800.00	26060.75
99.0	29500.00	28912.45

Period of Record: January 1996 through December 2023
Analysis Days Only

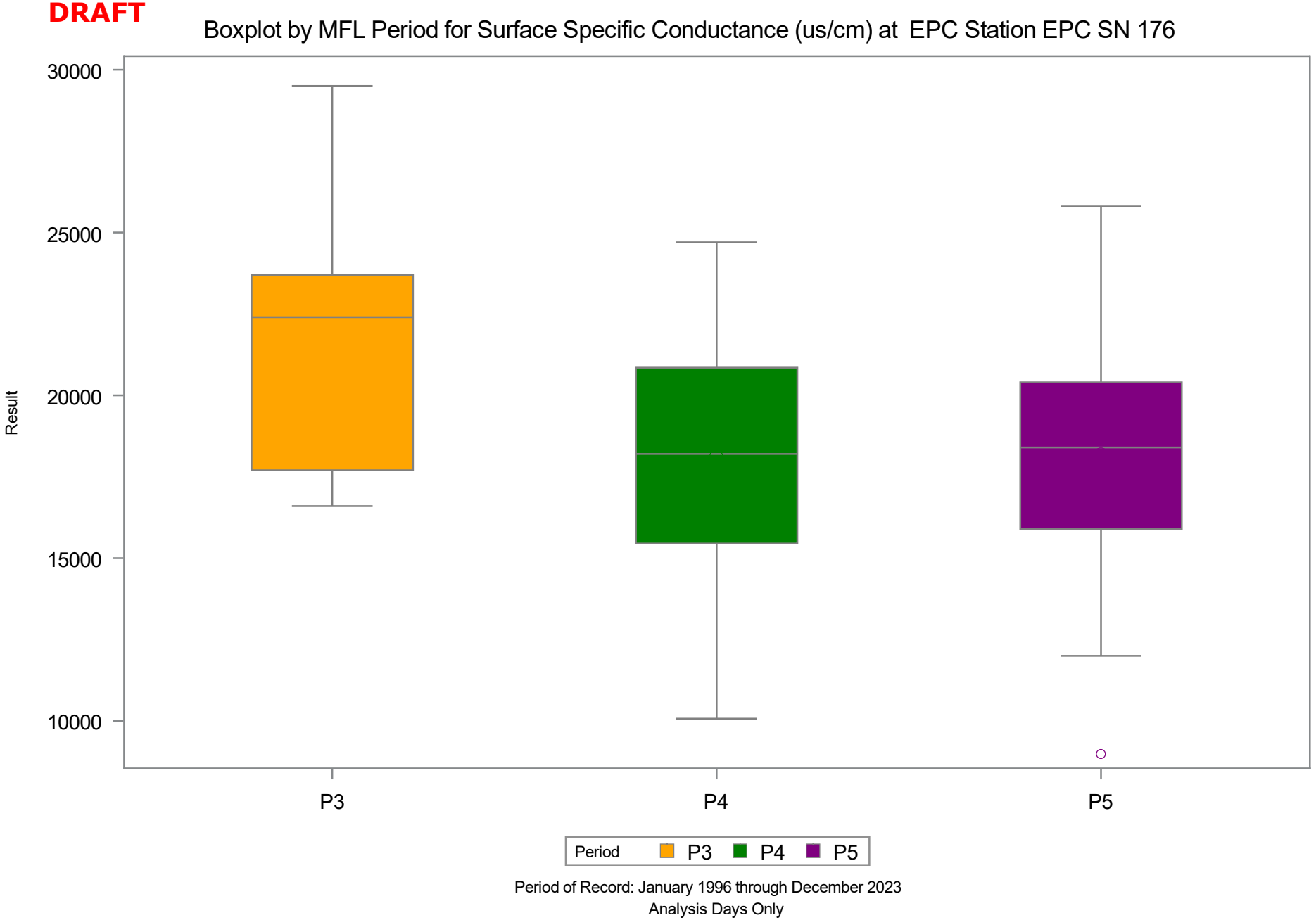
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 176

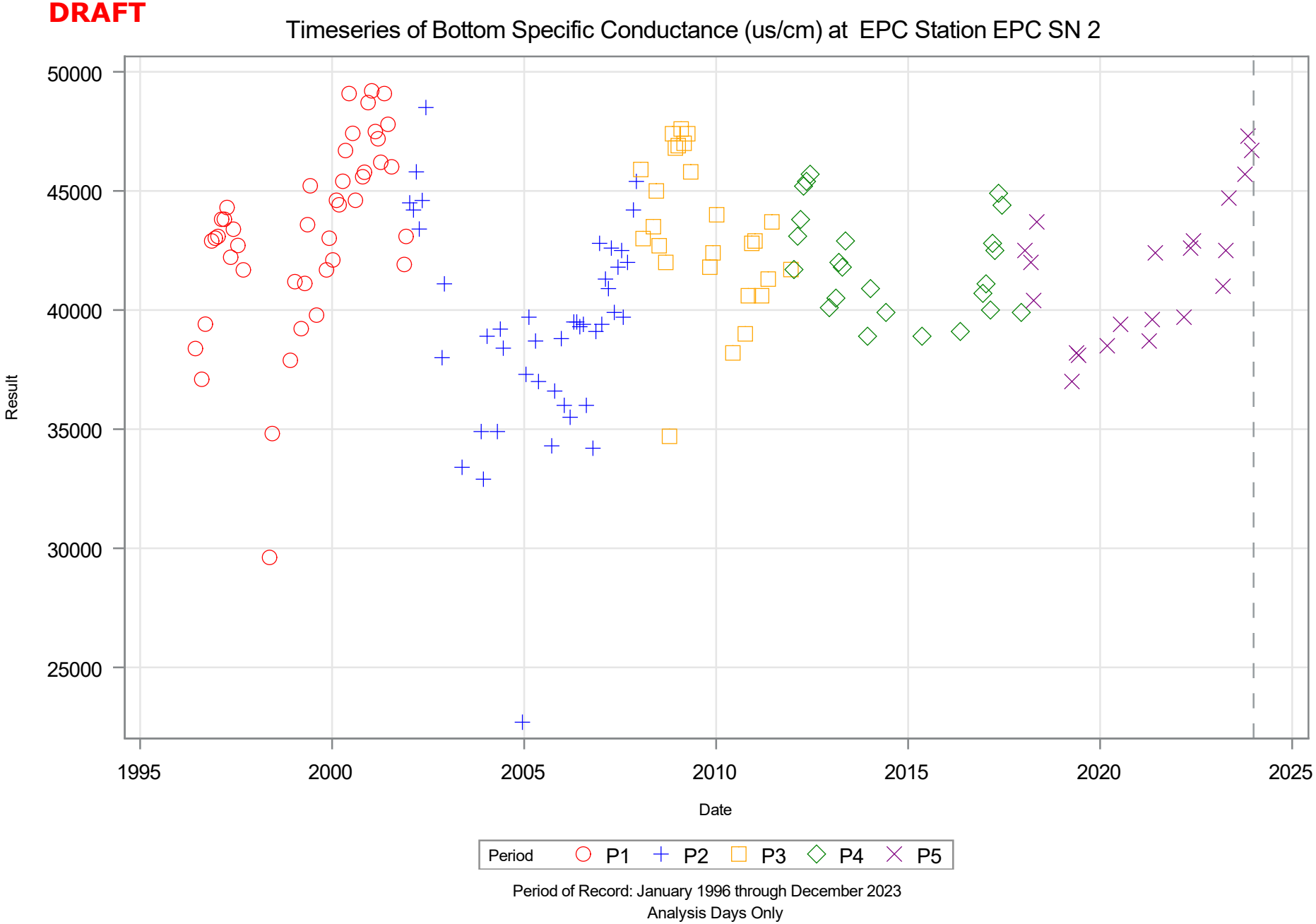
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16600.00	17700.00	21864.71	22400.00	23700.00	29500.00
P4	24	10070.00	15450.00	18132.92	18200.00	20850.00	24700.00
P5	21	8980.00	15900.00	18197.14	18400.00	20400.00	25800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 176
Result
30000
25000
20000
15000
10000
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

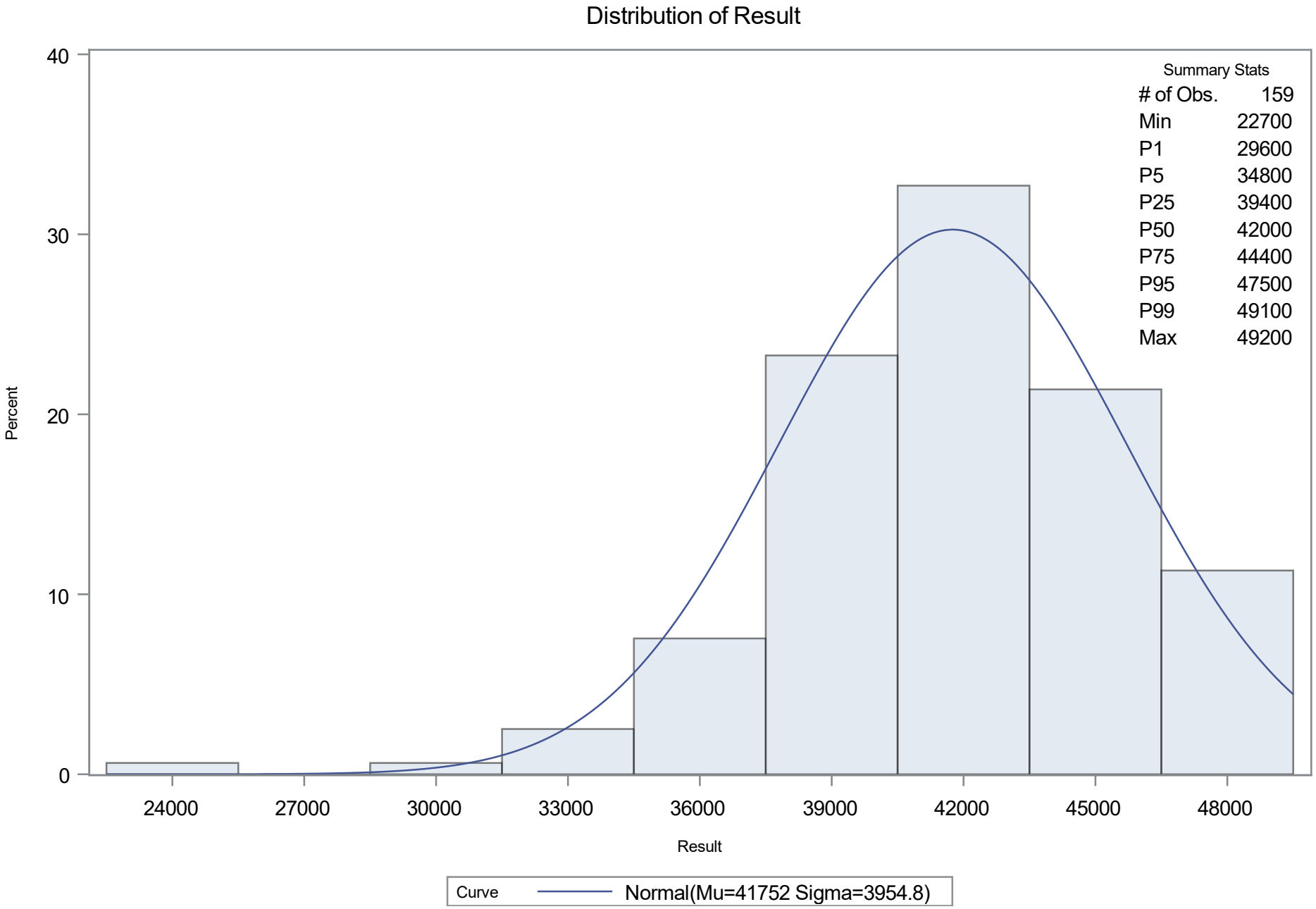
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	41752.2
Std Dev	Sigma	3954.773

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06706134	**Pr > D**	0.080
Cramer-von Mises	**W-Sq**	0.10727371	**Pr > W-Sq**	0.092
Anderson-Darling	**A-Sq**	0.76482590	**Pr > A-Sq**	0.047

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	29600.0	32552.0
5.0	34800.0	35247.2
10.0	37000.0	36684.0
25.0	39400.0	39084.7
50.0	42000.0	41752.2
75.0	44400.0	44419.7
90.0	46800.0	46820.4
95.0	47500.0	48257.2
99.0	49100.0	50952.4

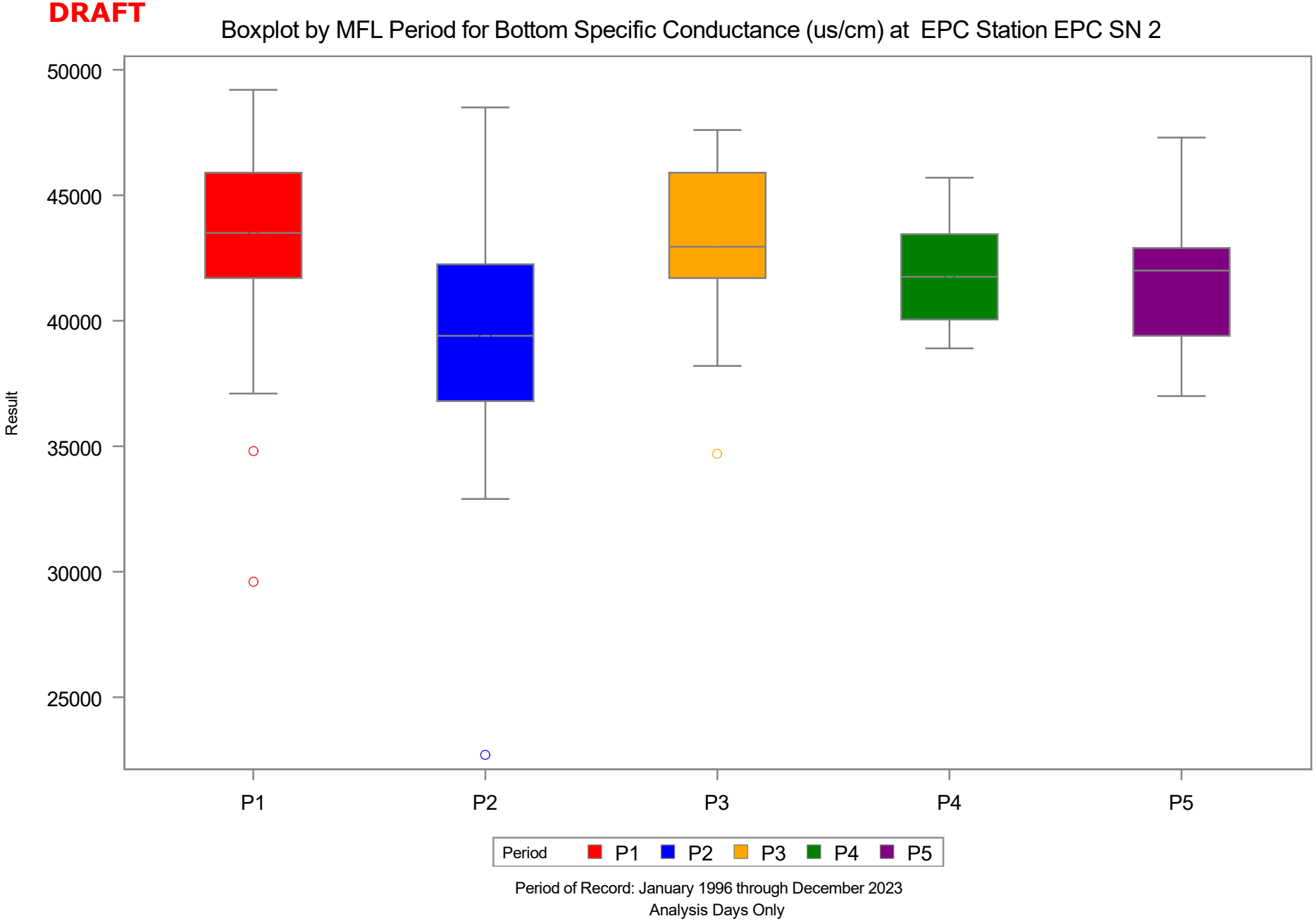
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 2**

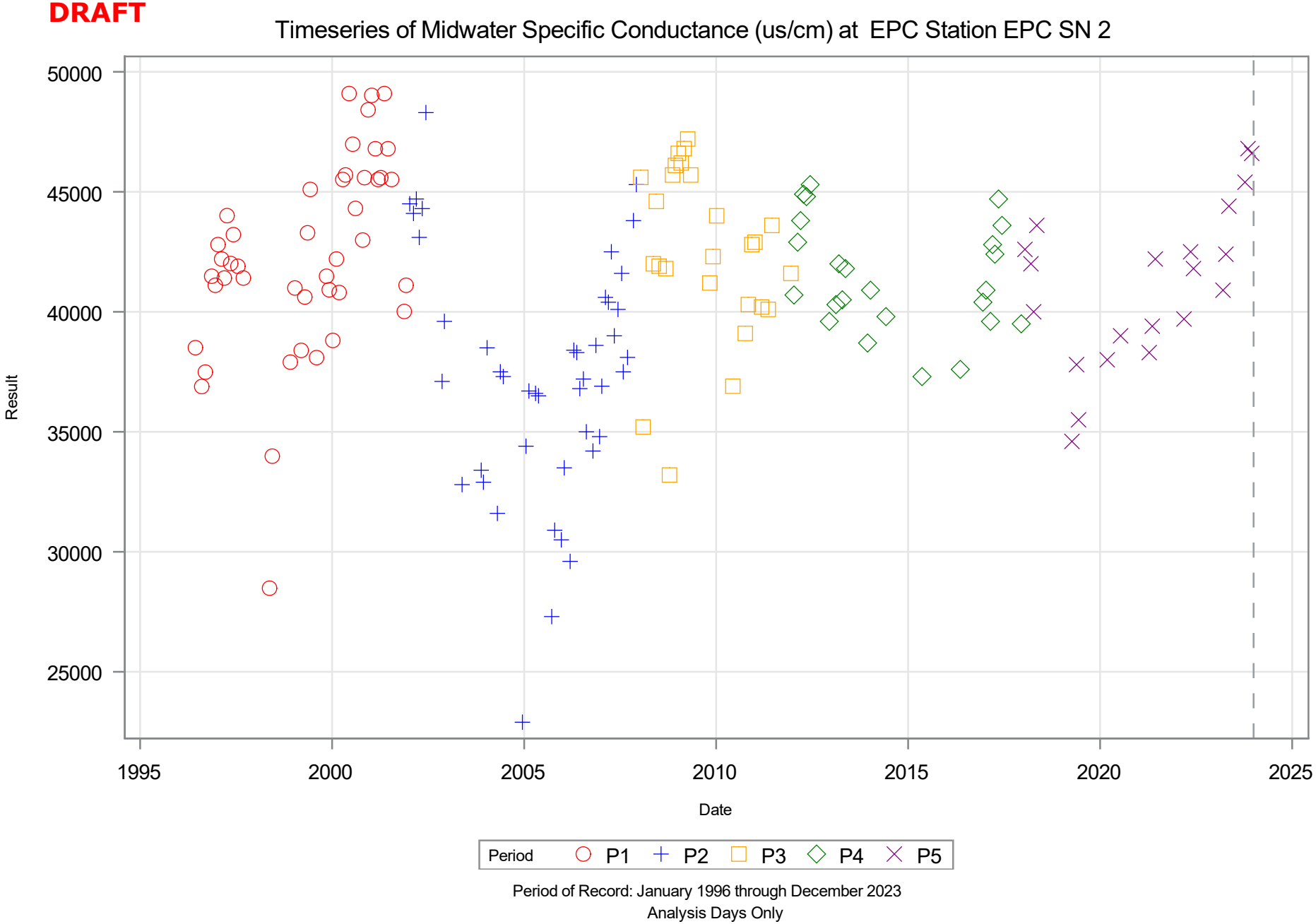
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	29600.00	41700.00	43302.27	43500.00	45900.00	49200.00
P2	44	22700.00	36800.00	39290.91	39400.00	42250.00	48500.00
P3	26	34700.00	41700.00	43257.69	42950.00	45900.00	47600.00
P4	24	38900.00	40050.00	41925.00	41750.00	43450.00	45700.00
P5	21	37000.00	39400.00	41600.00	42000.00	42900.00	47300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 2
Result
50000
45000
40000
35000
30000
25000
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

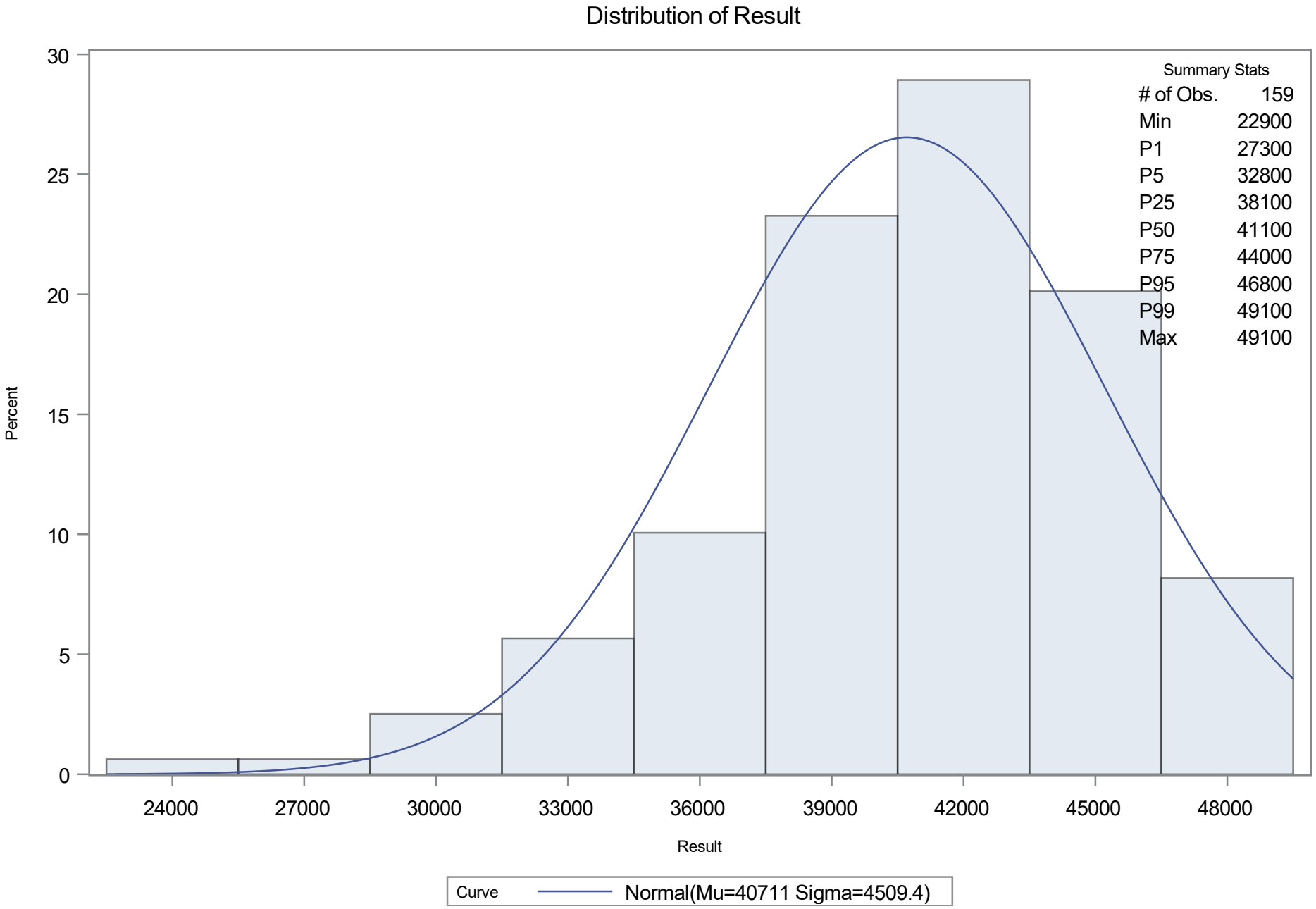
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	40711.32
Std Dev	Sigma	4509.427

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06626133	**Pr > D**	0.087
Cramer-von Mises	**W-Sq**	0.16033732	**Pr > W-Sq**	0.019
Anderson-Darling	**A-Sq**	1.09496221	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	27300.0	30220.8
5.0	32800.0	33294.0
10.0	34600.0	34932.3
25.0	38100.0	37669.8
50.0	41100.0	40711.3
75.0	44000.0	43752.9
90.0	45700.0	46490.4
95.0	46800.0	48128.7
99.0	49100.0	51201.8

Period of Record: January 1996 through December 2023
Analysis Days Only

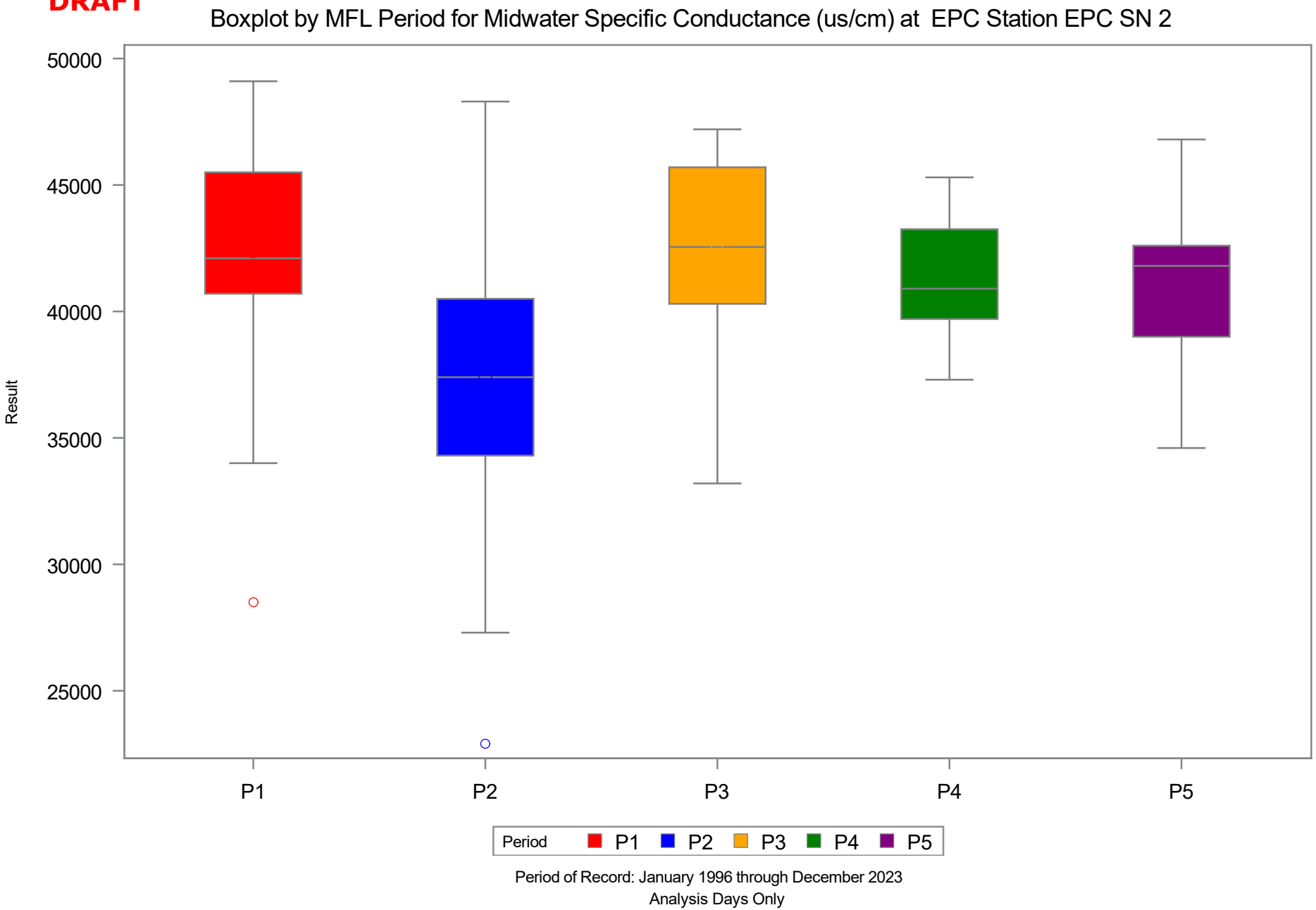
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 2

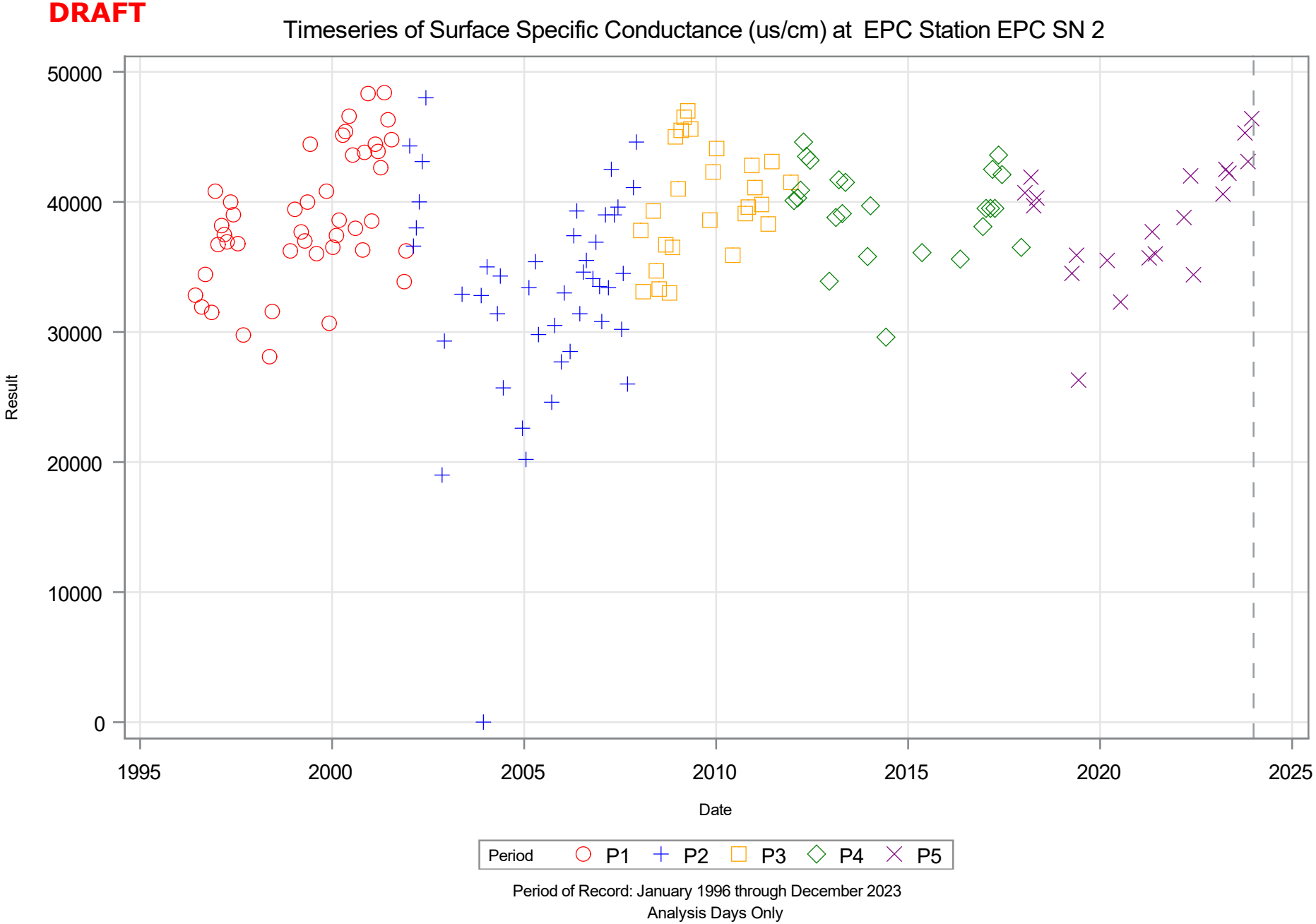
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	28500.00	40700.00	42352.27	42100.00	45500.00	49100.00
P2	44	22900.00	34300.00	37447.73	37400.00	40500.00	48300.00
P3	26	33200.00	40300.00	42446.15	42550.00	45700.00	47200.00
P4	24	37300.00	39700.00	41450.00	40900.00	43250.00	45300.00
P5	21	34600.00	39000.00	41119.05	41800.00	42600.00	46800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

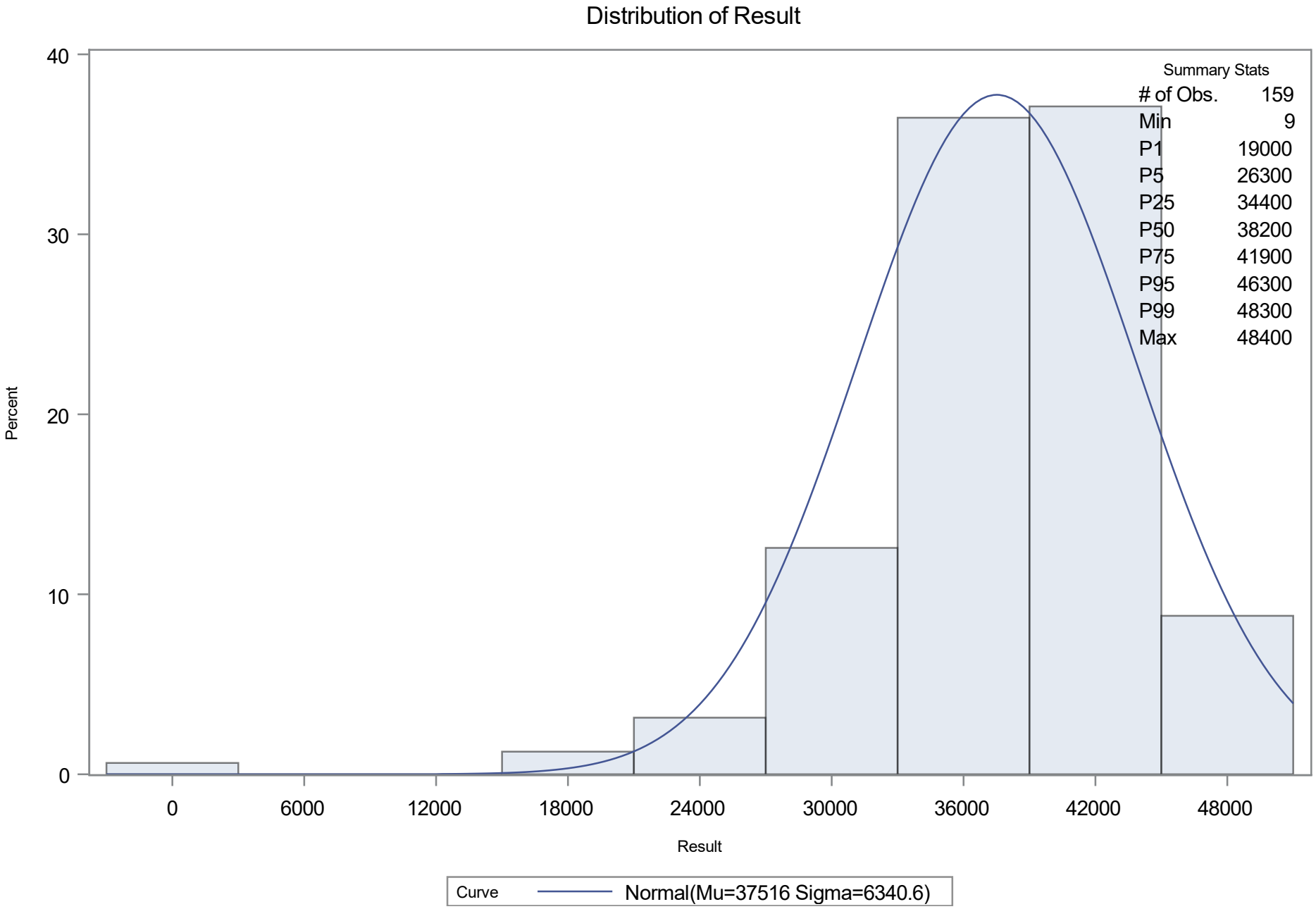

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 2
Result
50000
45000
40000
35000
30000
25000
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 2
Result
50000
40000
30000
20000
10000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	37515.78
Std Dev	Sigma	6340.584

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07999915	**Pr > D**	0.014
Cramer-von Mises	**W-Sq**	0.23665269	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.64152789	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19000.0	22765.4
5.0	26300.0	27086.4
10.0	30200.0	29390.0
25.0	34400.0	33239.1
50.0	38200.0	37515.8
75.0	41900.0	41792.4
90.0	44600.0	45641.6
95.0	46300.0	47945.1
99.0	48300.0	52266.2

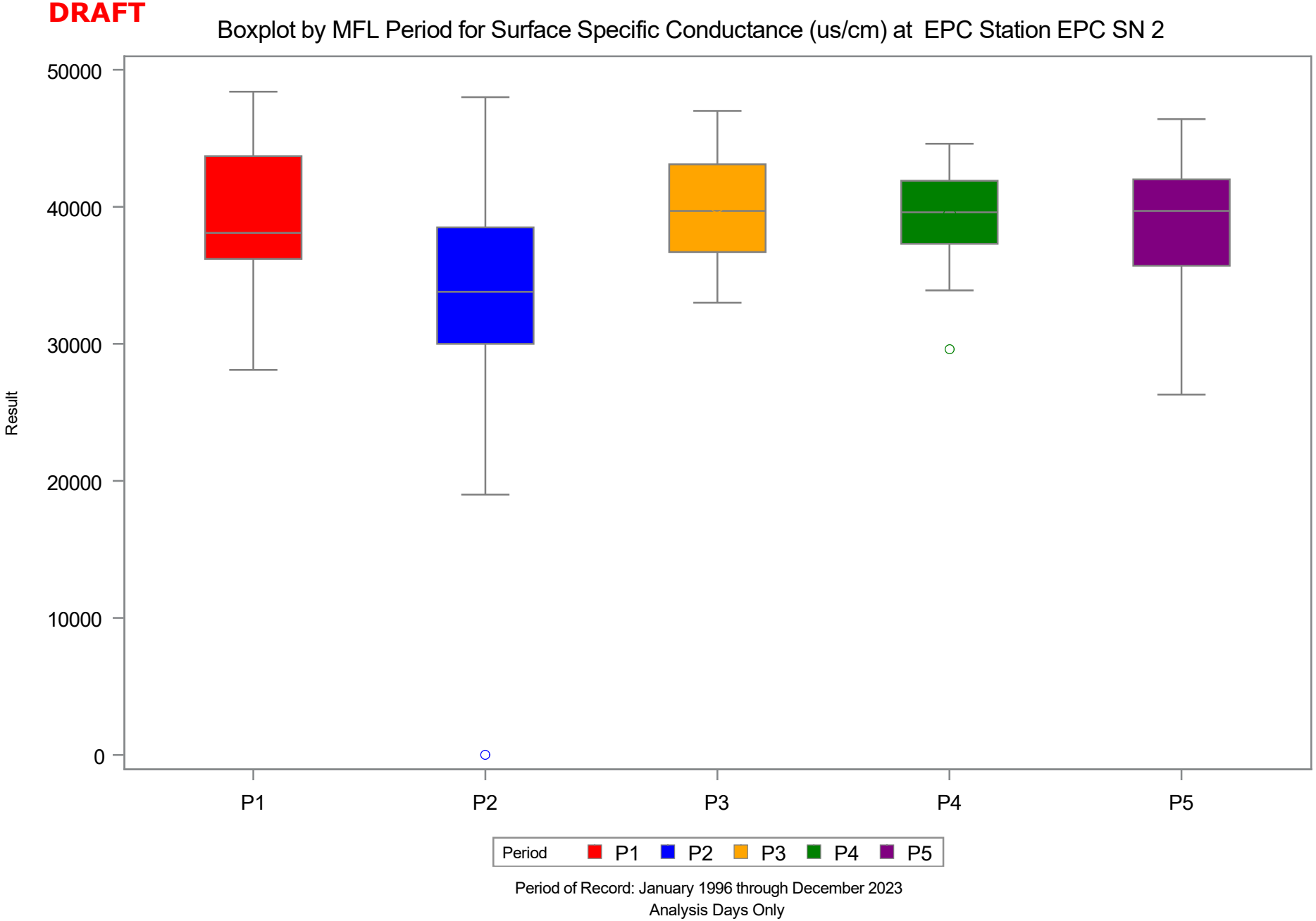
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 2**

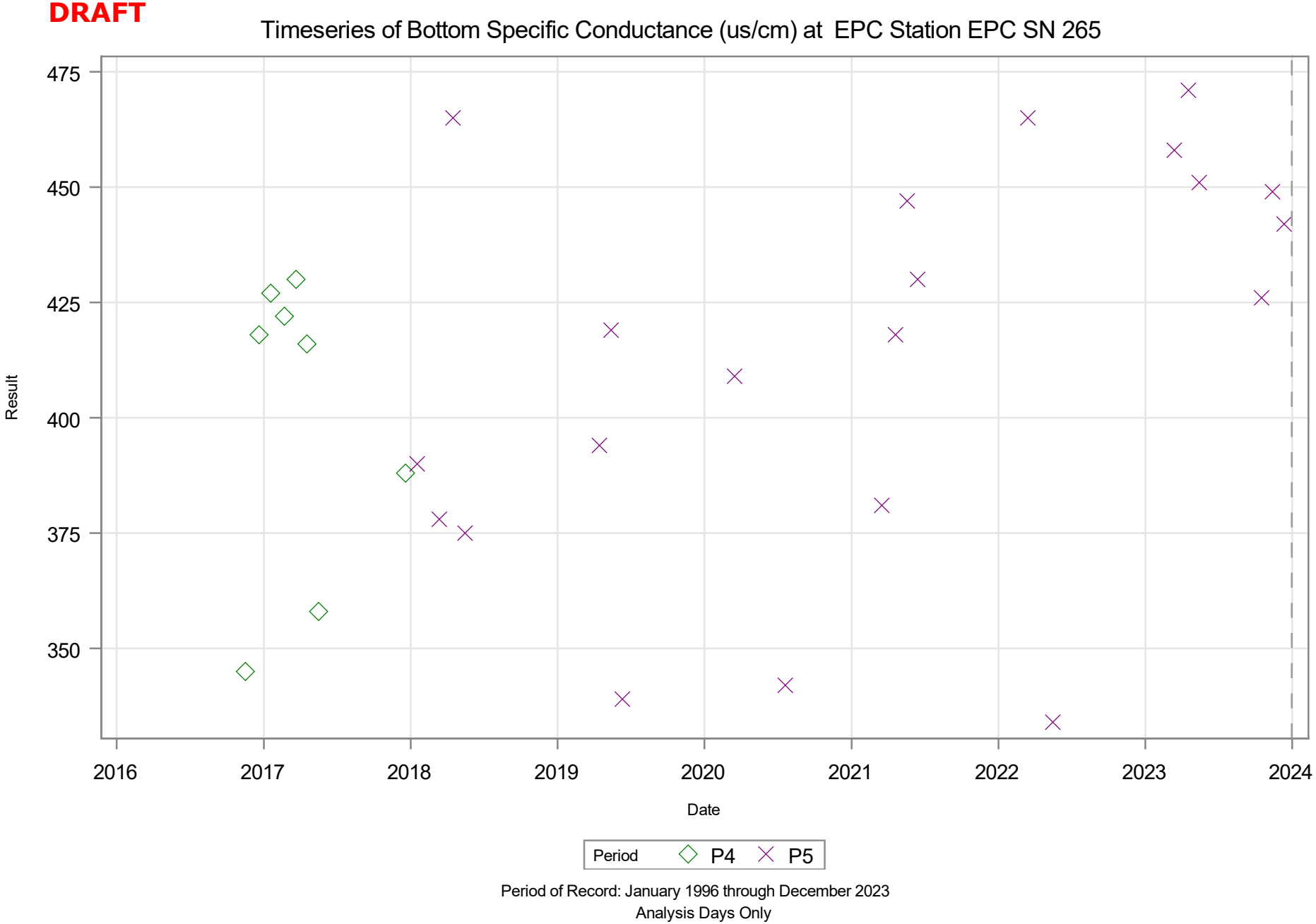
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	28100.00	36200.00	38790.91	38100.00	43700.00	48400.00
P2	44	9.00	30000.00	33170.66	33800.00	38500.00	48000.00
P3	26	33000.00	36700.00	40046.15	39700.00	43100.00	47000.00
P4	24	29600.00	37300.00	39404.17	39600.00	41900.00	44600.00
P5	21	26300.00	35700.00	38657.14	39700.00	42000.00	46400.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

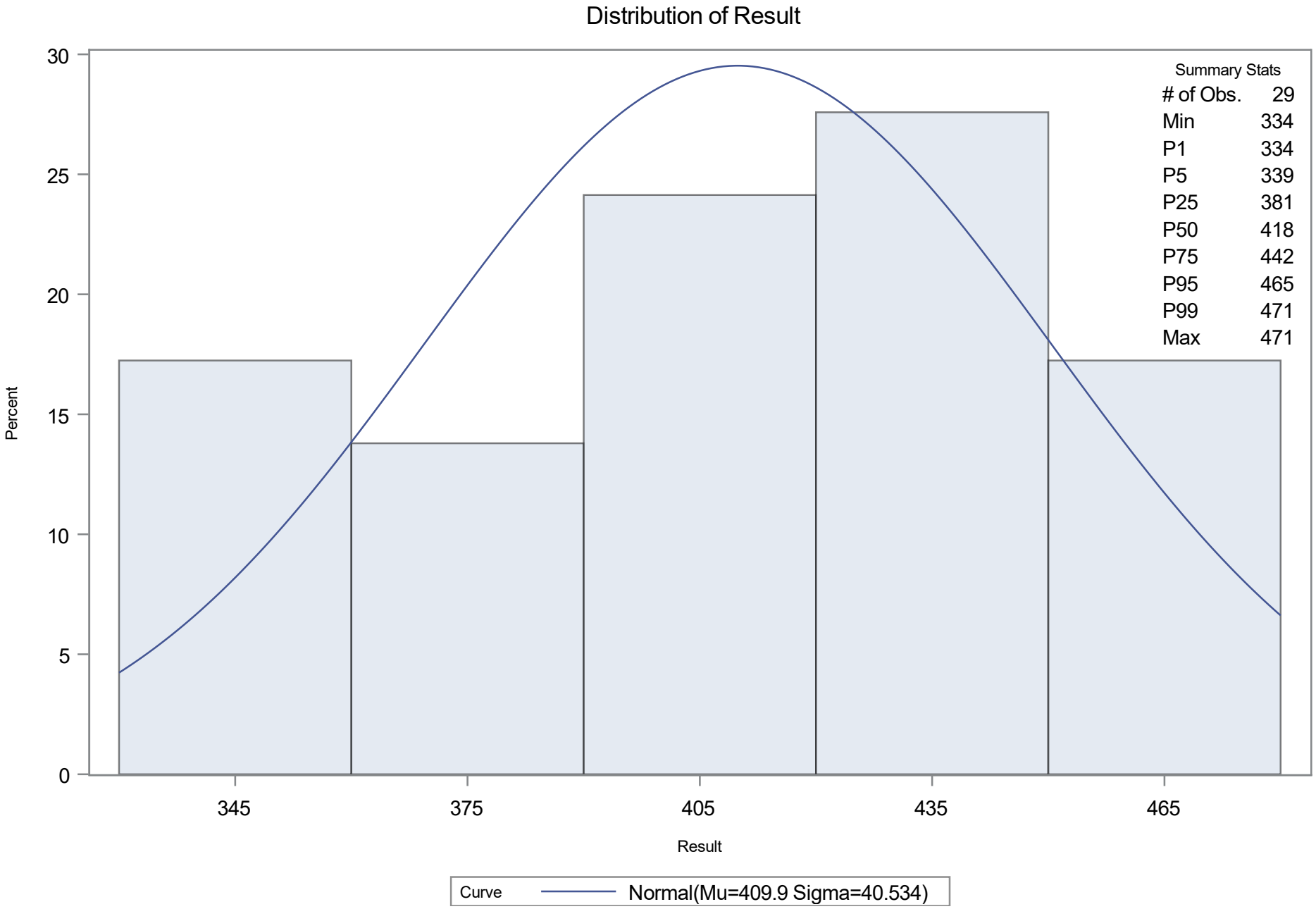

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 2
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 265
Result
475
450
425
400
375
350
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	409.8966
Std Dev	Sigma	40.53424

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14605145	**Pr > D**	0.112
Cramer-von Mises	**W-Sq**	0.07502675	**Pr > W-Sq**	0.236
Anderson-Darling	**A-Sq**	0.48673192	**Pr > A-Sq**	0.216

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	334.000	315.600
5.0	339.000	343.224
10.0	342.000	357.950
25.0	381.000	382.557
50.0	418.000	409.897
75.0	442.000	437.236
90.0	465.000	461.843
95.0	465.000	476.569
99.0	471.000	504.193

Period of Record: January 1996 through December 2023
Analysis Days Only

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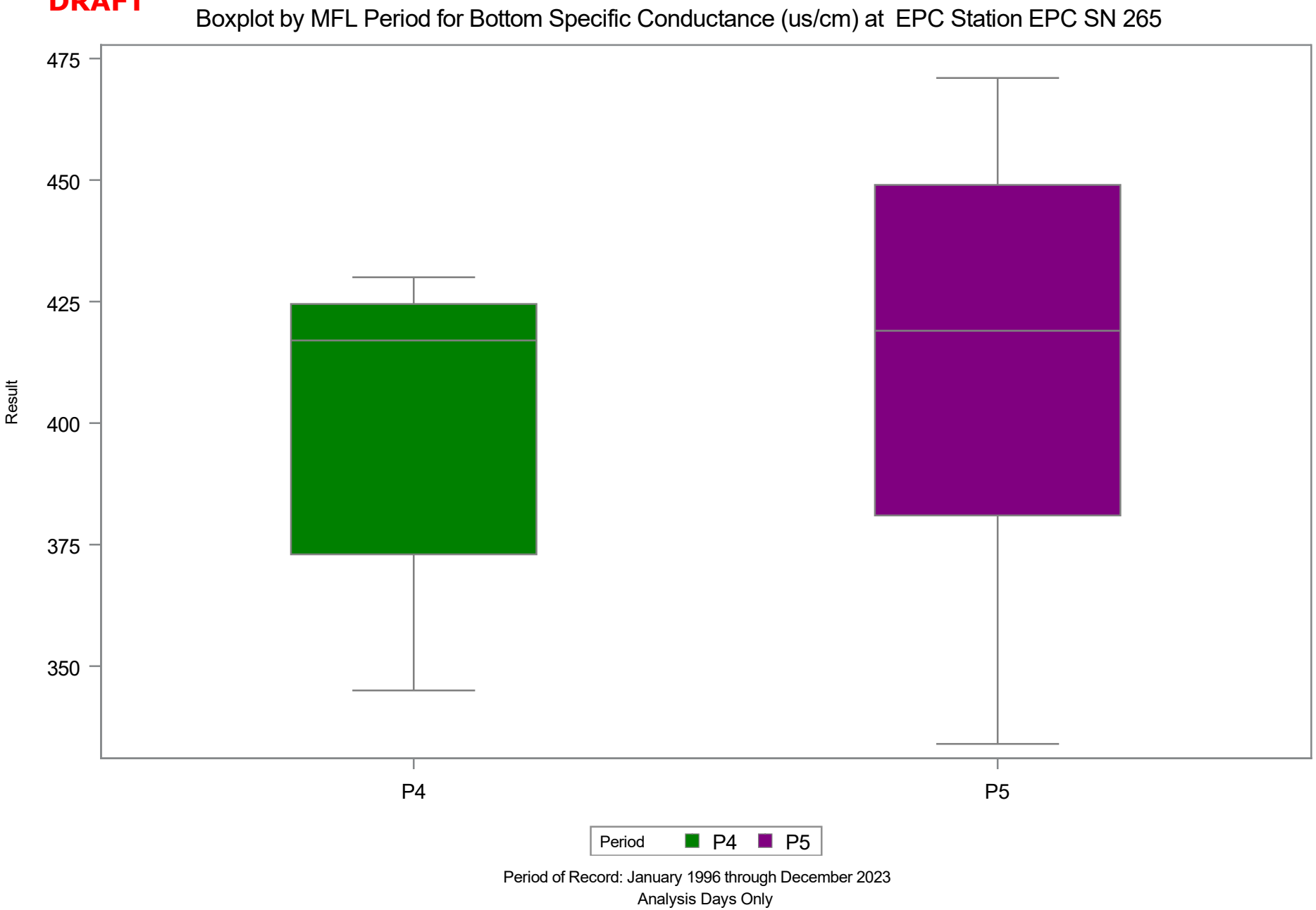
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 265

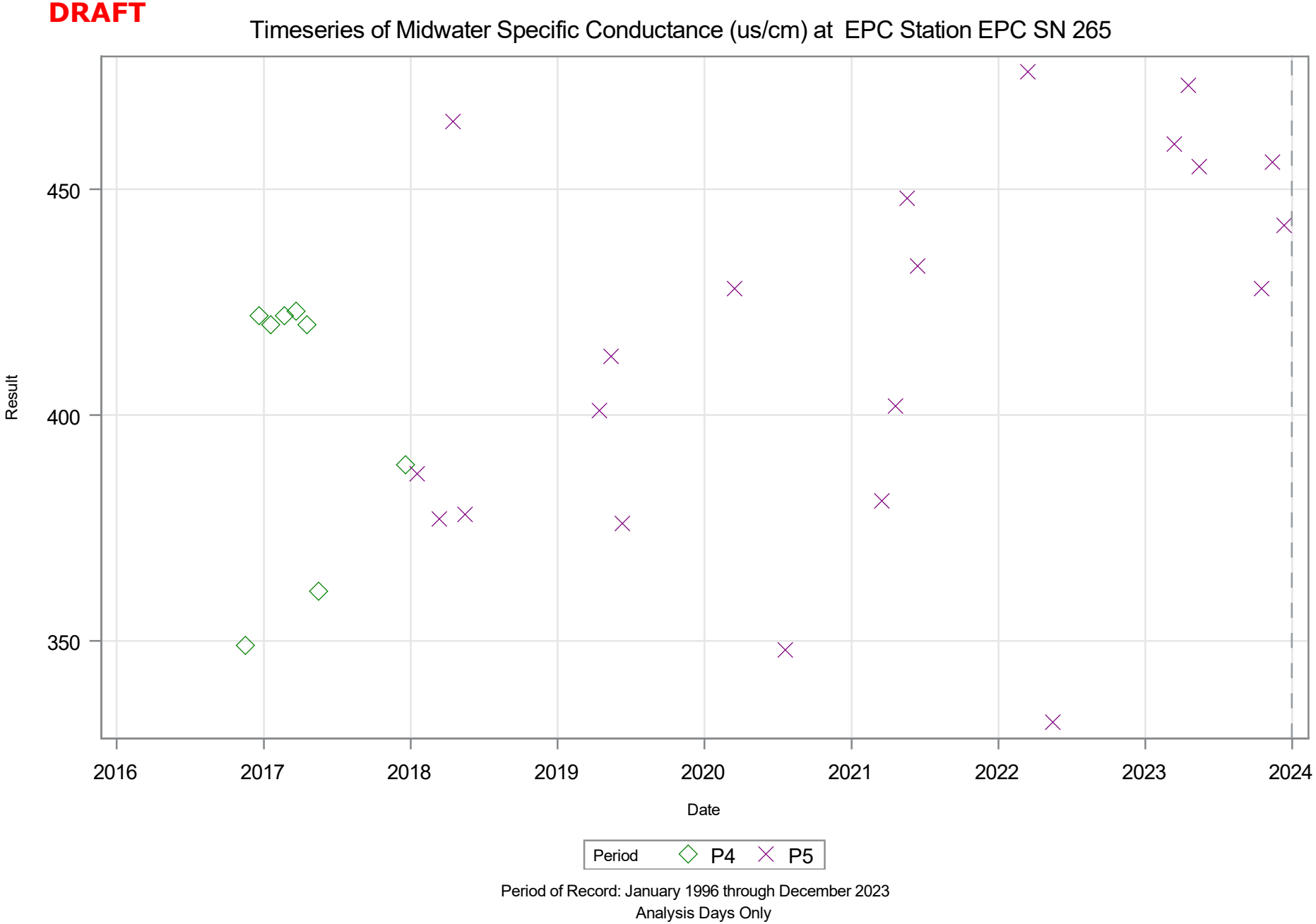
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	345.00	373.00	400.50	417.00	424.50	430.00
P5	21	334.00	381.00	413.48	419.00	449.00	471.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

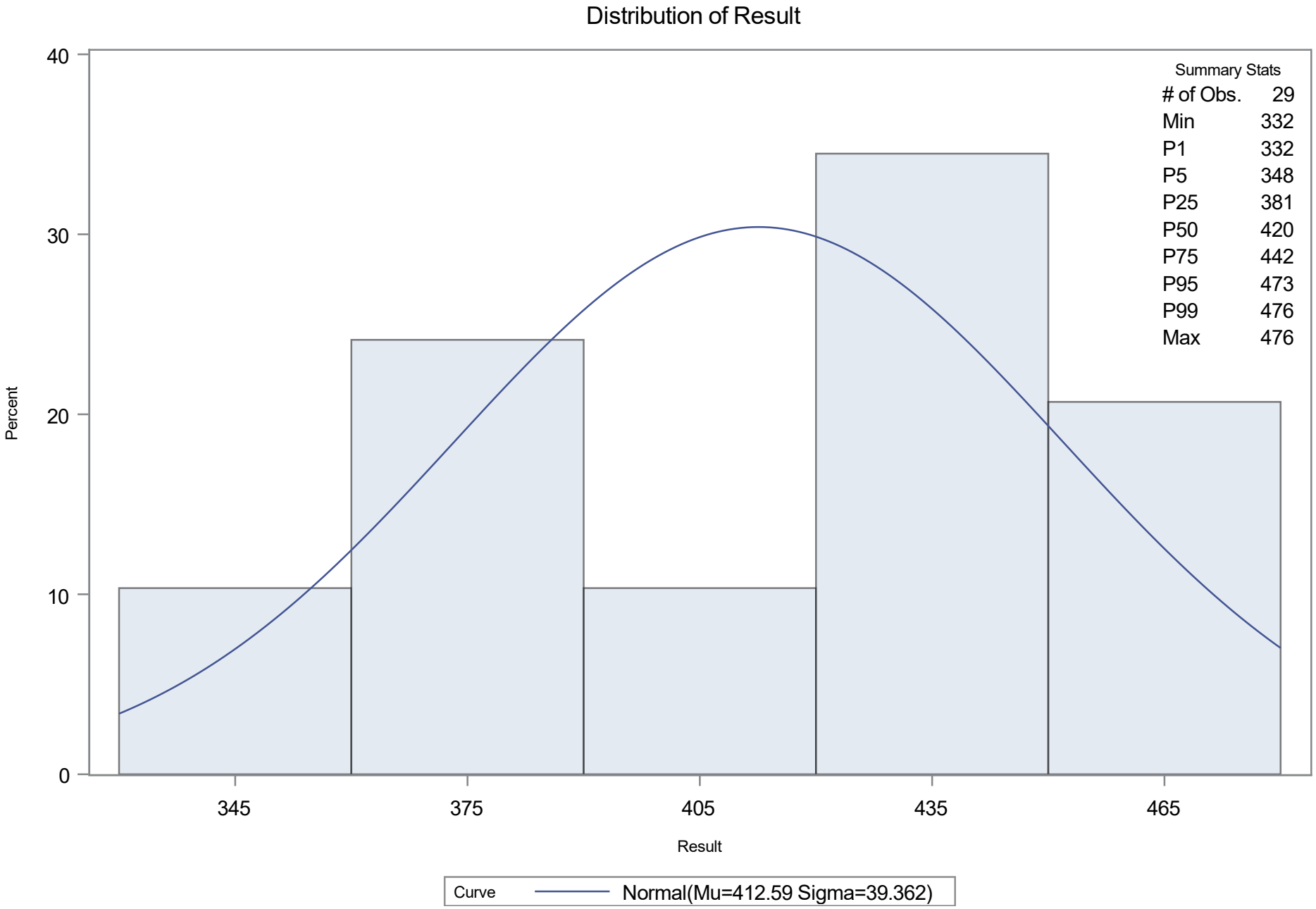

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 265
475
450
425
400
375
350
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 265
Result
450
400
350
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	412.5862
Std Dev	Sigma	39.36234

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12642195	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04780842	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29196224	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	332.000	321.016
5.0	348.000	347.841
10.0	349.000	362.141
25.0	381.000	386.037
50.0	420.000	412.586
75.0	442.000	439.136
90.0	465.000	463.031
95.0	473.000	477.332
99.0	476.000	504.157

Period of Record: January 1996 through December 2023
Analysis Days Only

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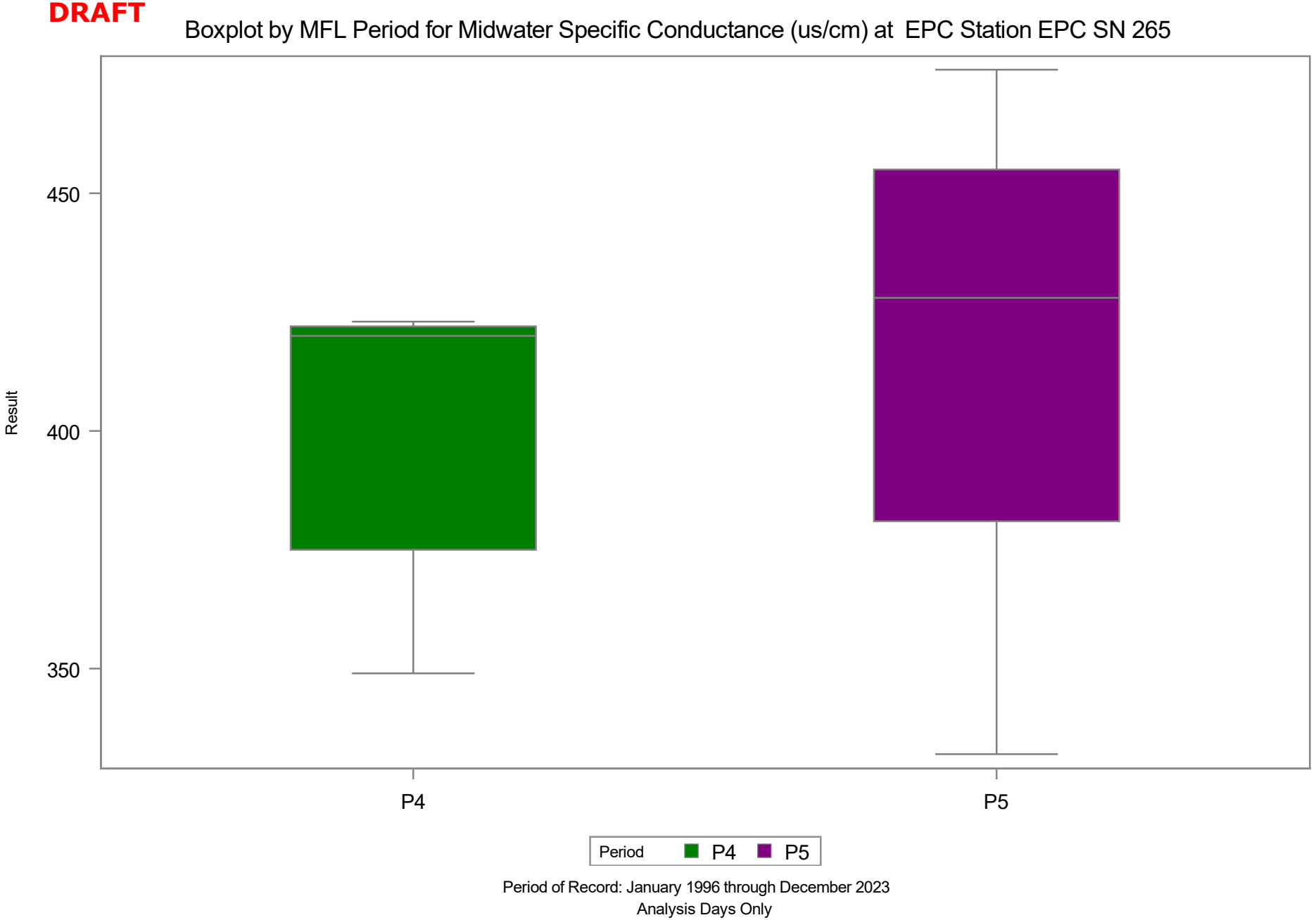
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 265

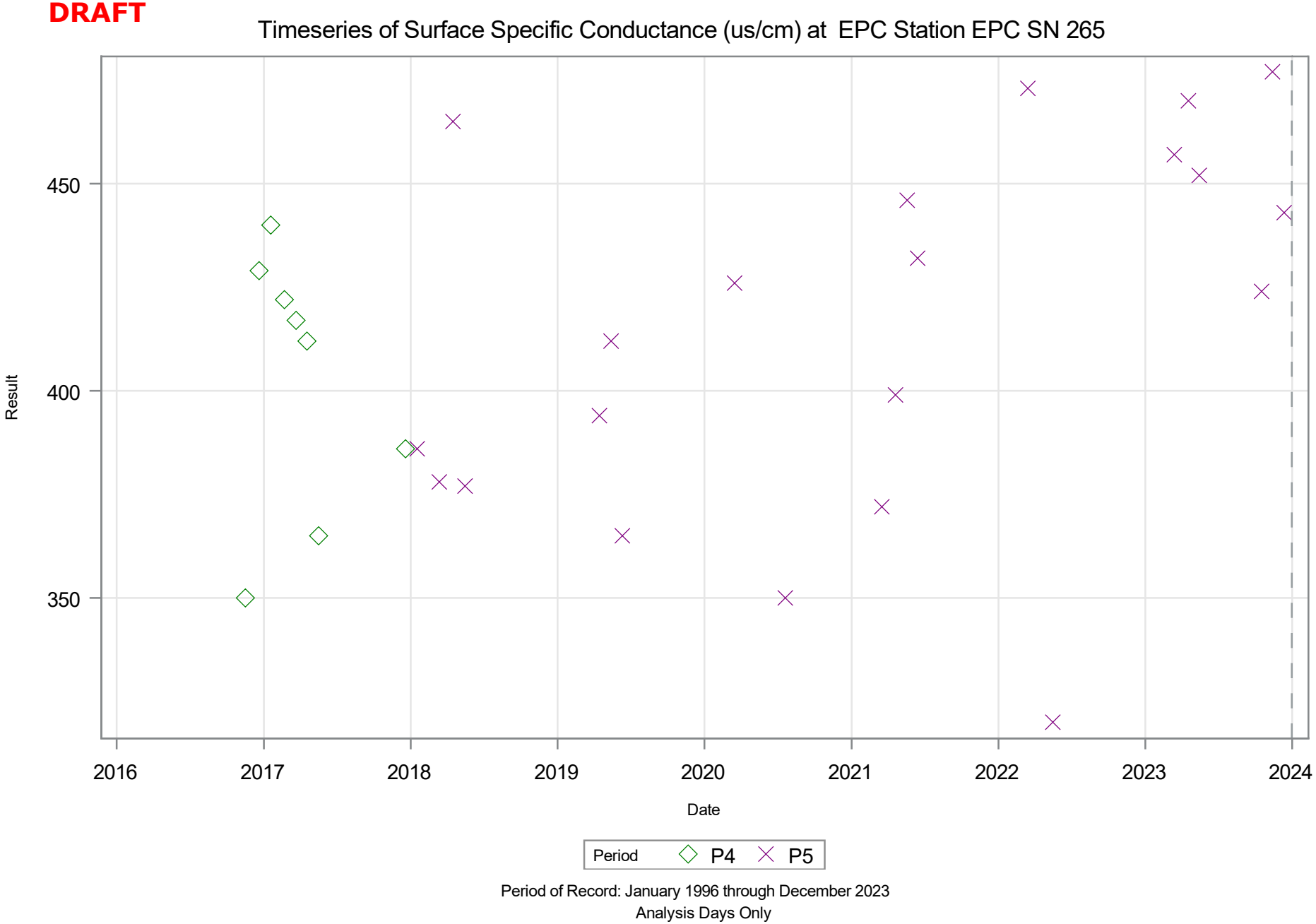
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	349.00	375.00	400.75	420.00	422.00	423.00
P5	21	332.00	381.00	417.10	428.00	455.00	476.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

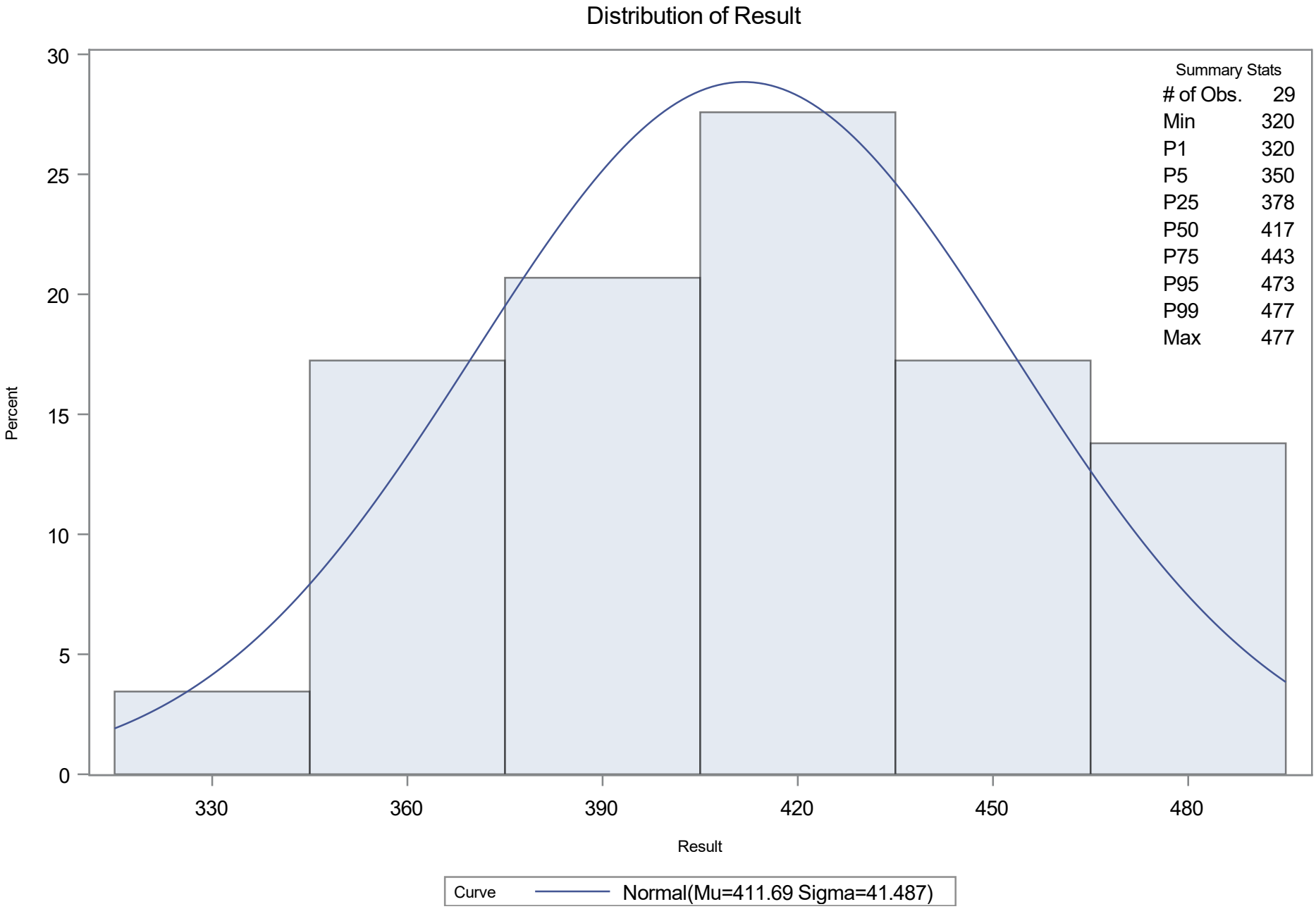

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 265
Result
450
400
350
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 265
Result
450
400
350
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	411.6897
Std Dev	Sigma	41.48675

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08919119	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03710186	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.24281612	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	320.000	315.177
5.0	350.000	343.450
10.0	350.000	358.522
25.0	378.000	383.707
50.0	417.000	411.690
75.0	443.000	439.672
90.0	470.000	464.857
95.0	473.000	479.929
99.0	477.000	508.202

Period of Record: January 1996 through December 2023
Analysis Days Only

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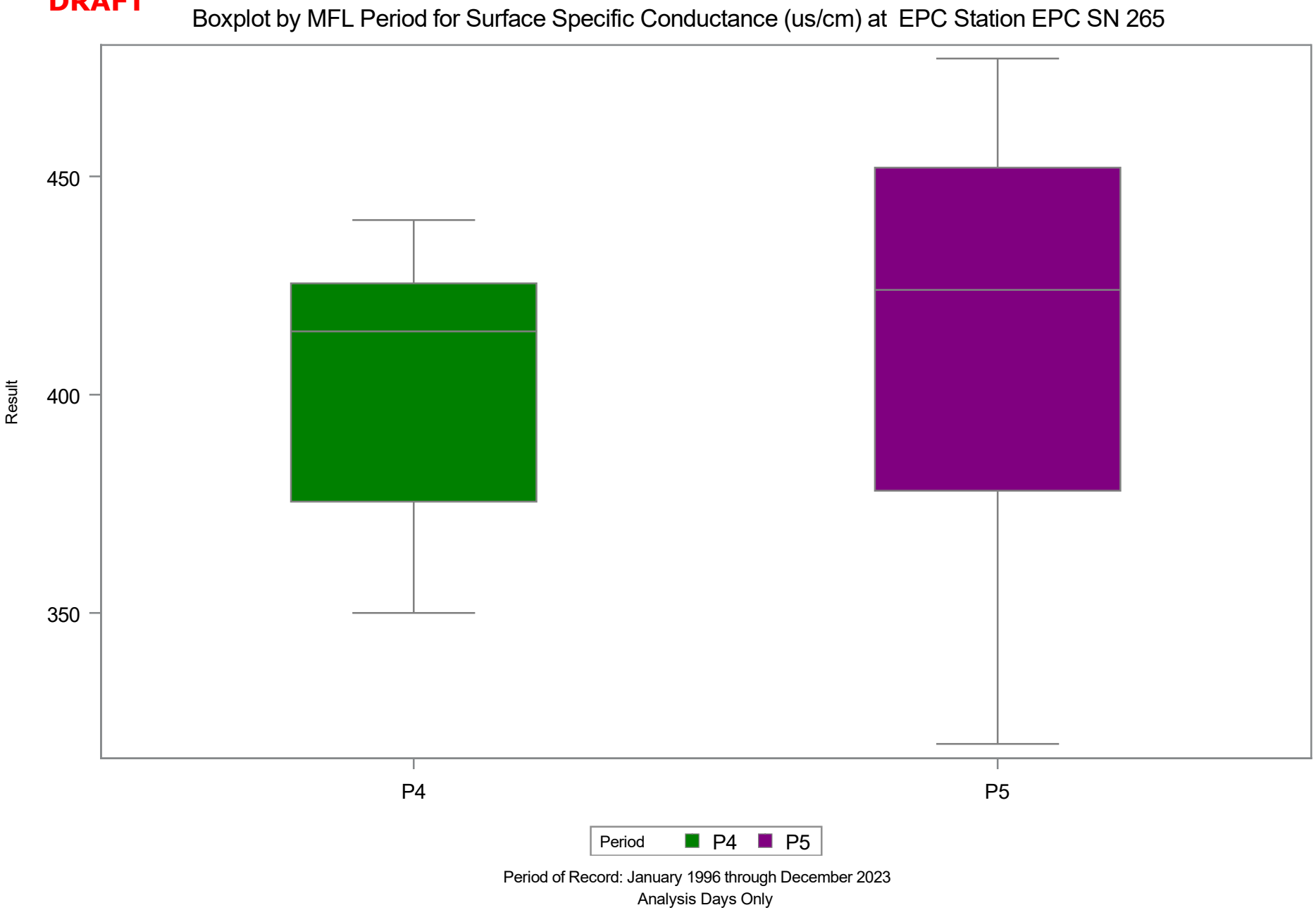
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 265

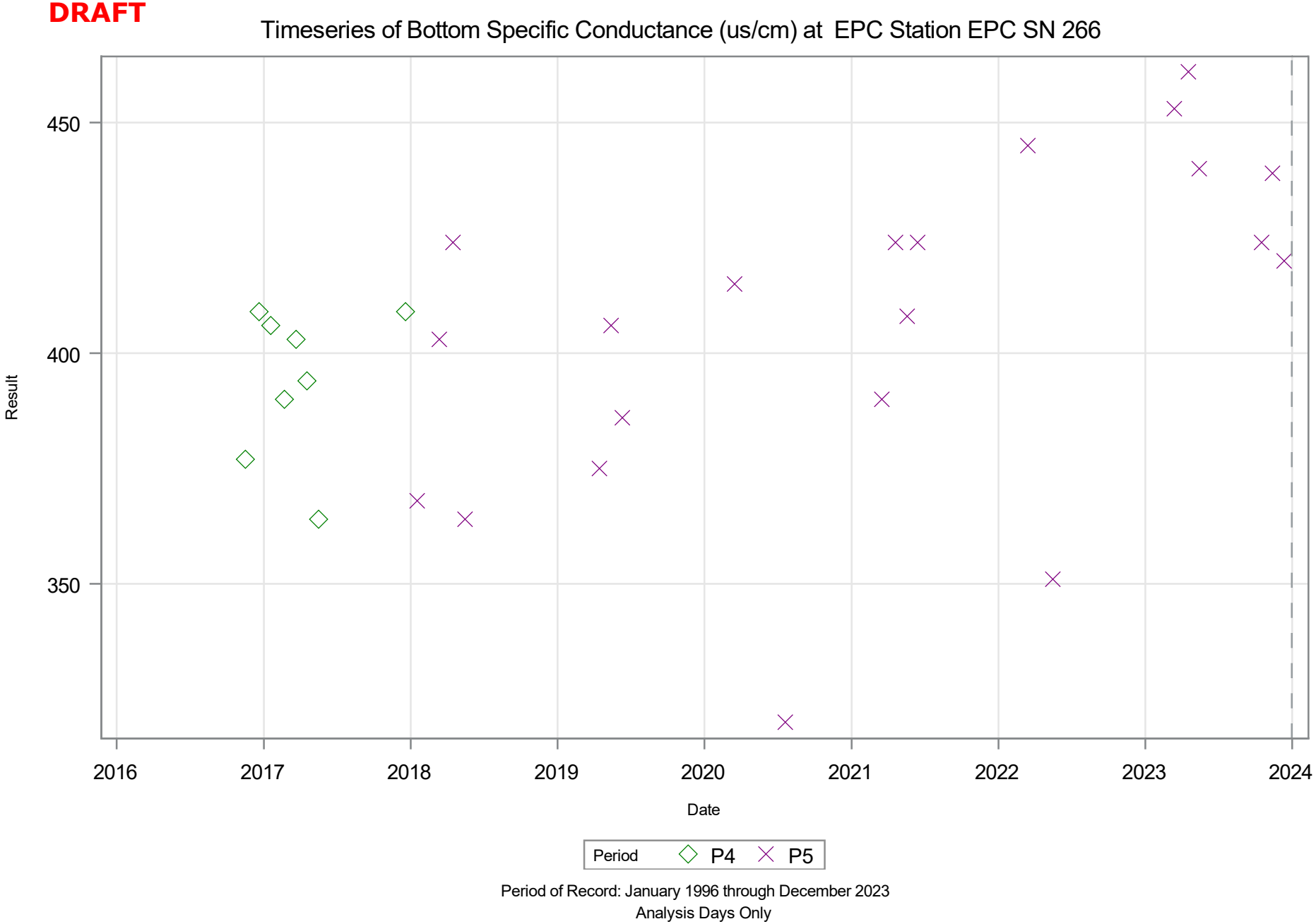
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	350.00	375.50	402.63	414.50	425.50	440.00
P5	21	320.00	378.00	415.14	424.00	452.00	477.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

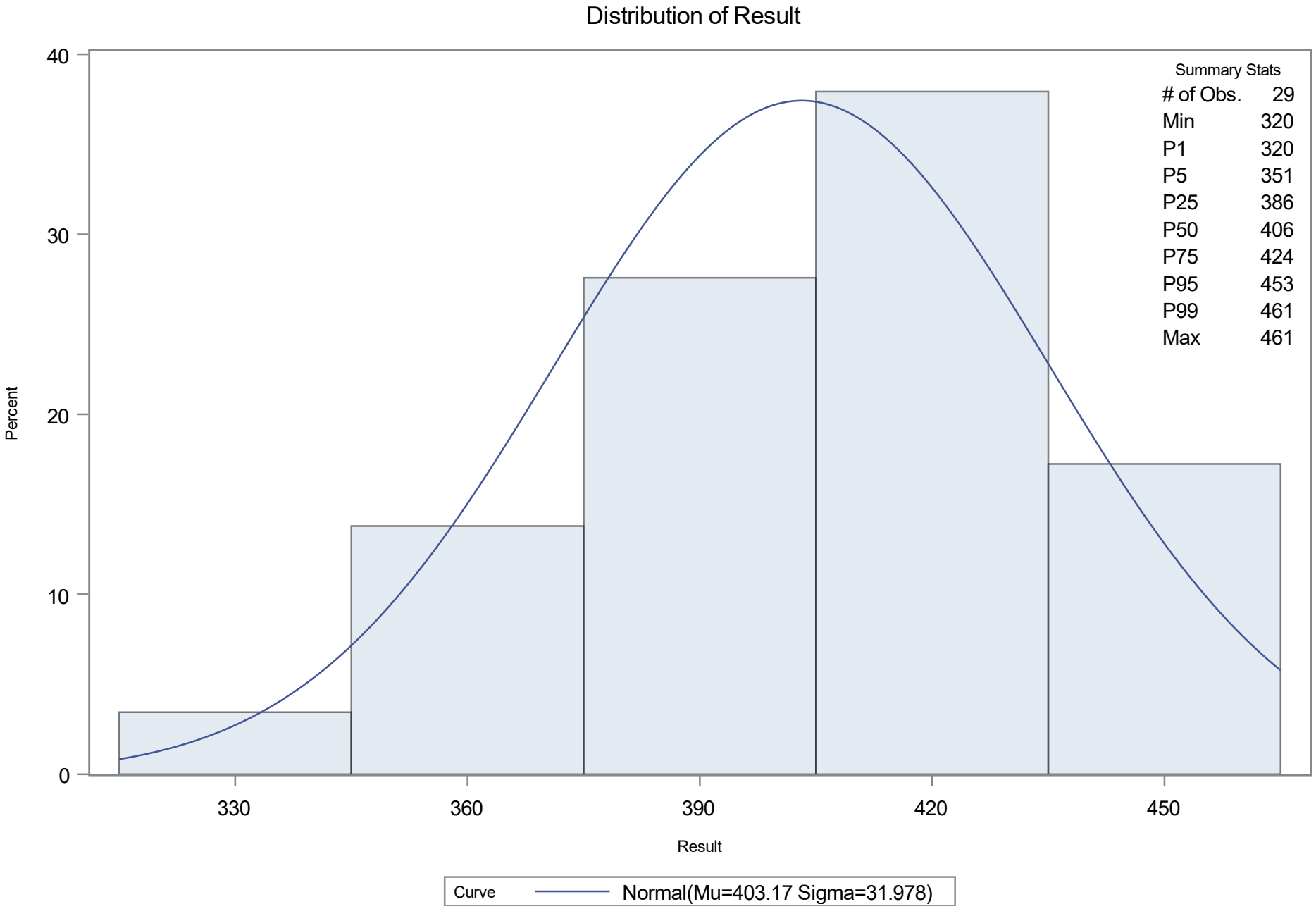

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 265
Result
450
400
350
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 266
Result
450
400
350
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	403.1724
Std Dev	Sigma	31.97775

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11853870	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04011333	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23655084	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	320.000	328.781
5.0	351.000	350.574
10.0	364.000	362.191
25.0	386.000	381.604
50.0	406.000	403.172
75.0	424.000	424.741
90.0	445.000	444.154
95.0	453.000	455.771
99.0	461.000	477.564

Period of Record: January 1996 through December 2023
Analysis Days Only

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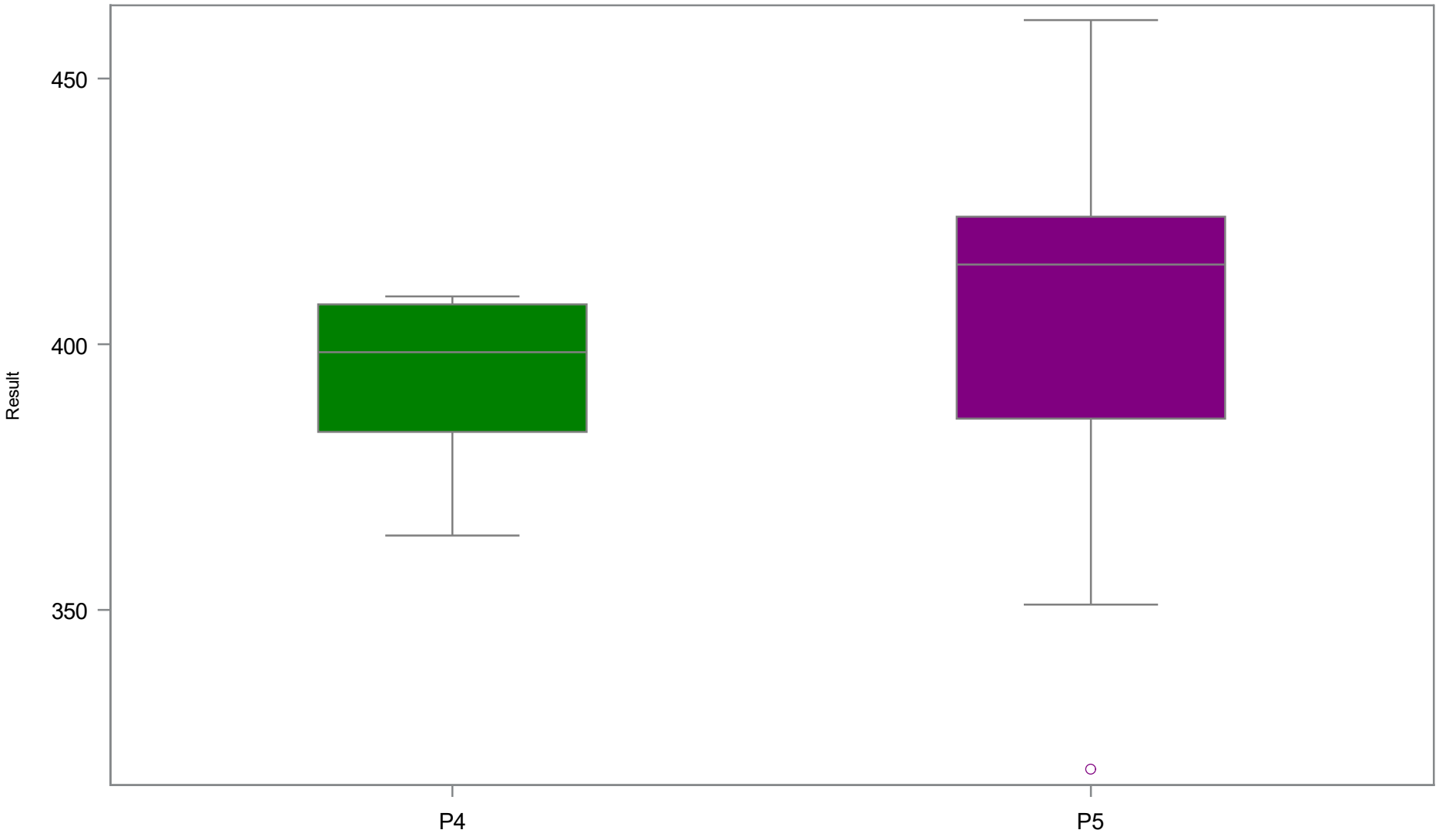
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 266

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	364.00	383.50	394.00	398.50	407.50	409.00
P5	21	320.00	386.00	406.67	415.00	424.00	461.00

Period of Record: January 1996 through December 2023
Analysis Days Only

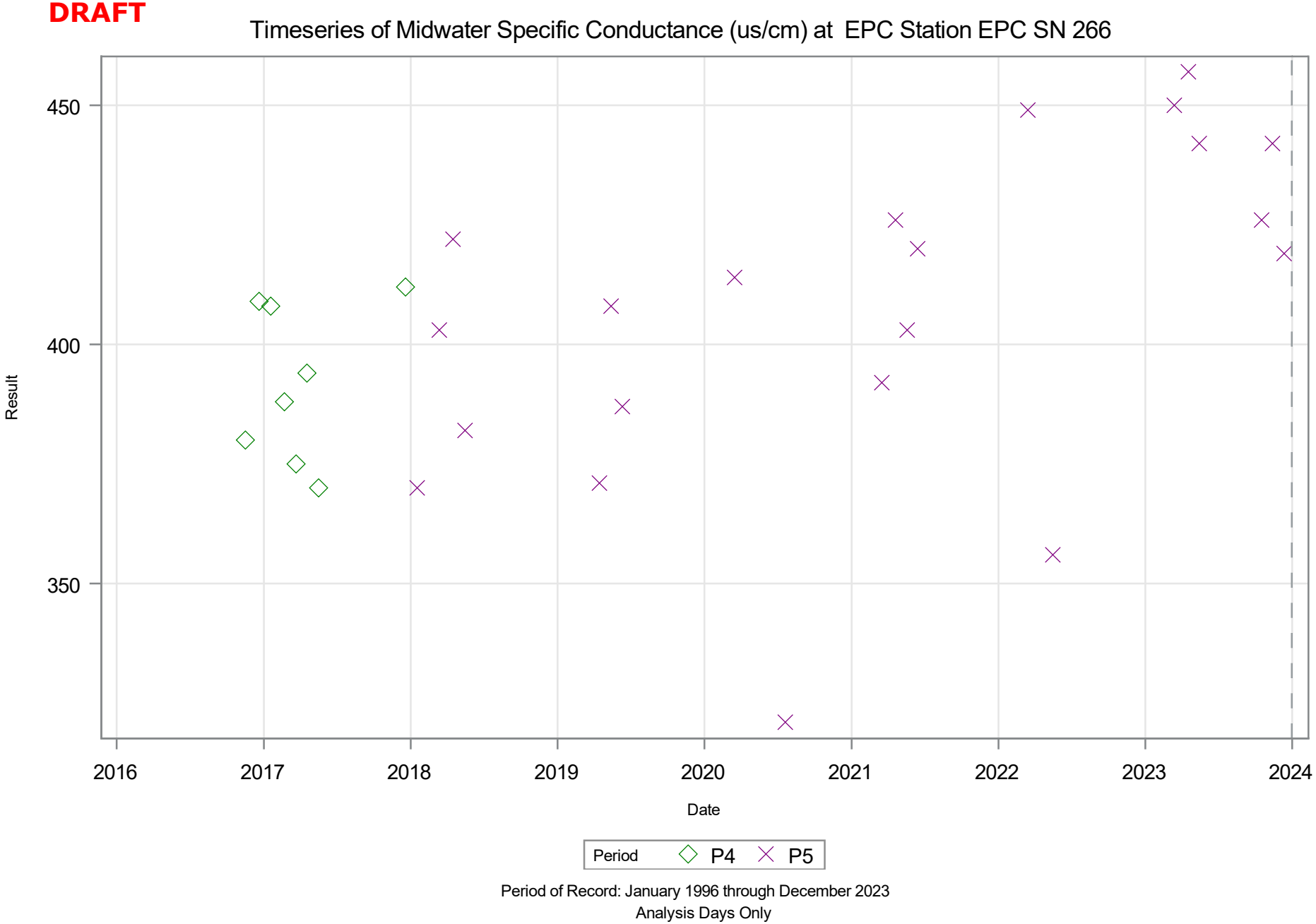
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 266



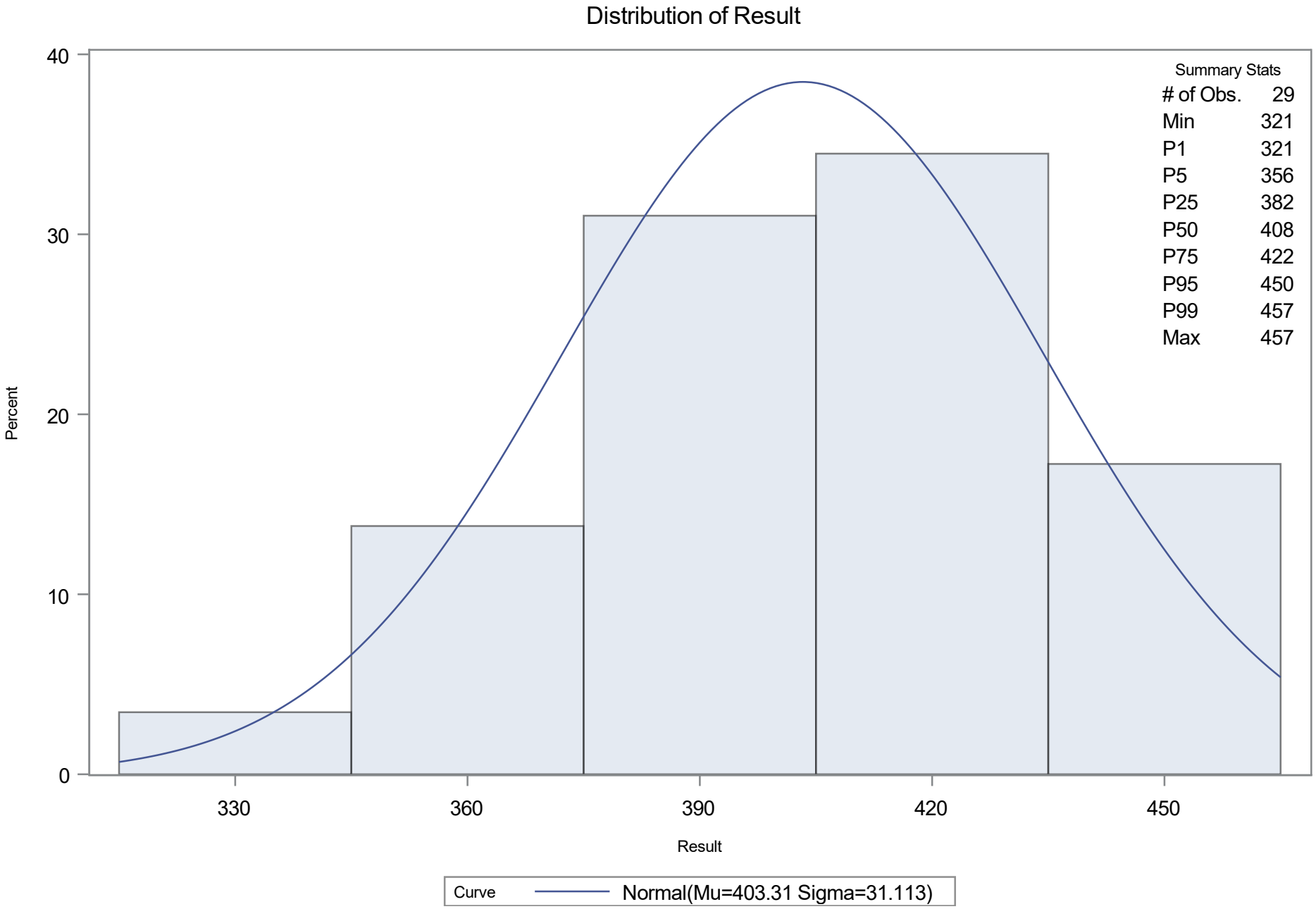
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 266
Result
450
400
350
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	403.3103
Std Dev	Sigma	31.11282

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08222758	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02325428	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19923445	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	321.000	330.931
5.0	356.000	352.134
10.0	370.000	363.438
25.0	382.000	382.325
50.0	408.000	403.310
75.0	422.000	424.296
90.0	449.000	443.183
95.0	450.000	454.486
99.0	457.000	475.690

Period of Record: January 1996 through December 2023
Analysis Days Only

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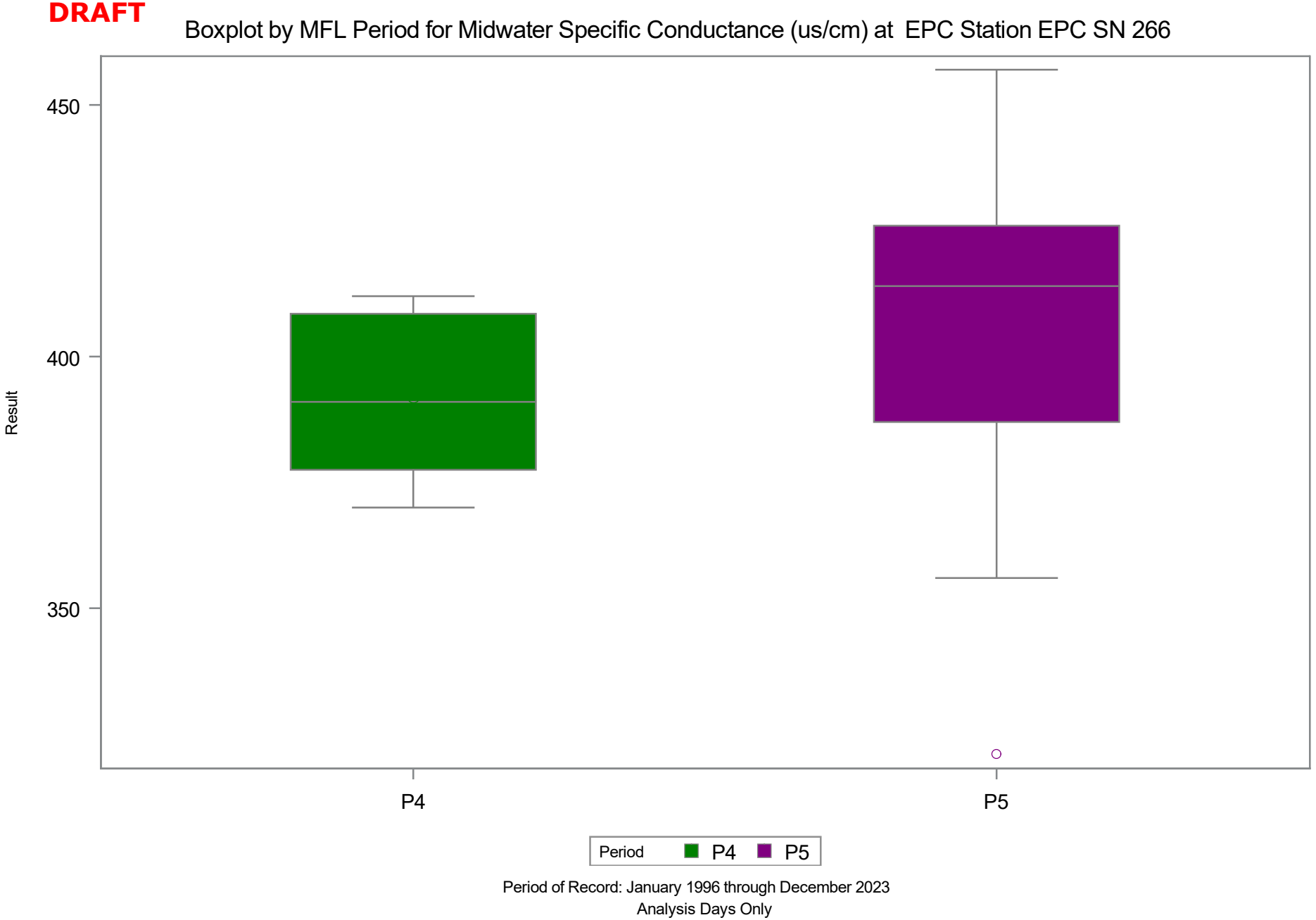
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 266

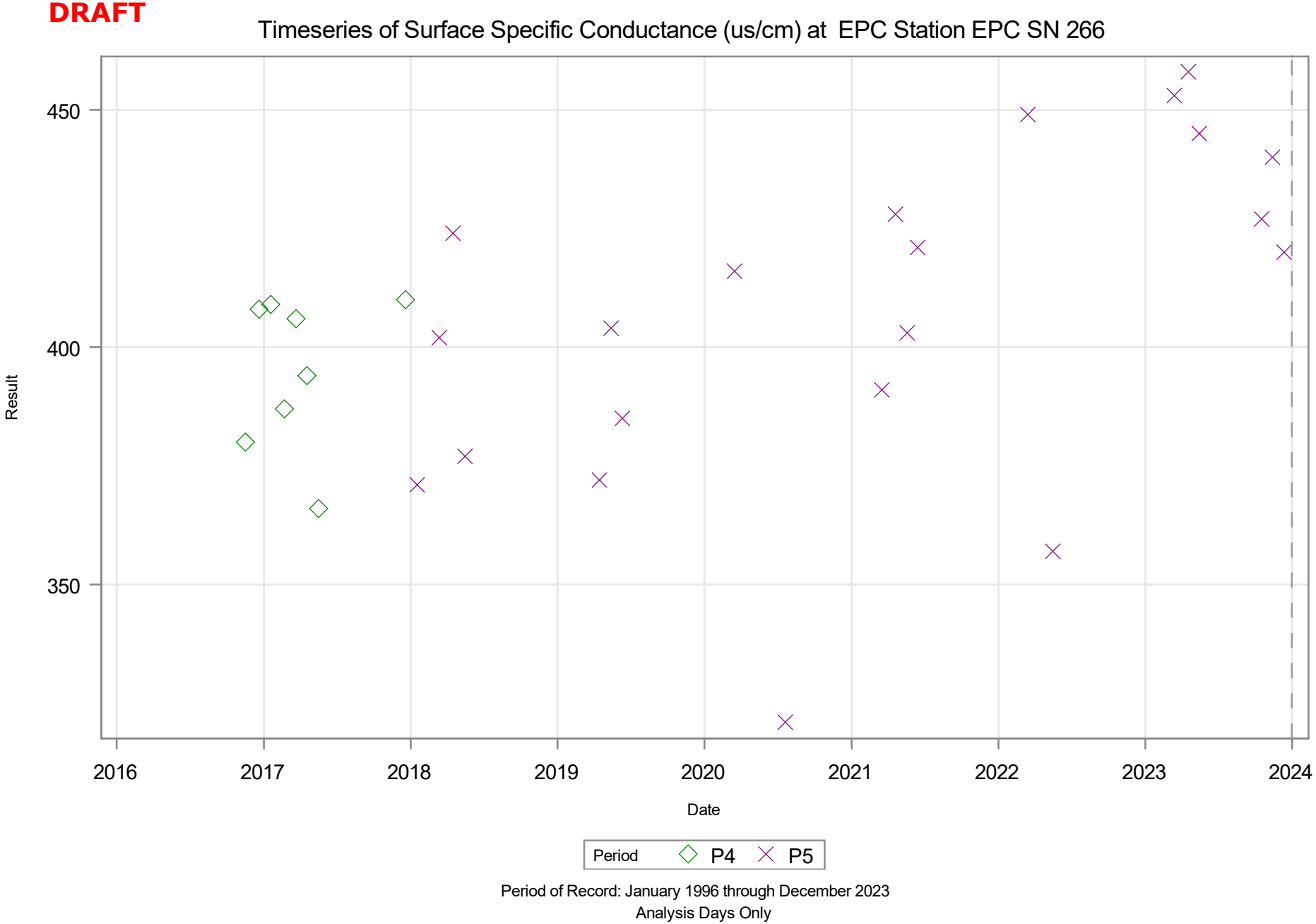
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	370.00	377.50	392.00	391.00	408.50	412.00
P5	21	321.00	387.00	407.62	414.00	426.00	457.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

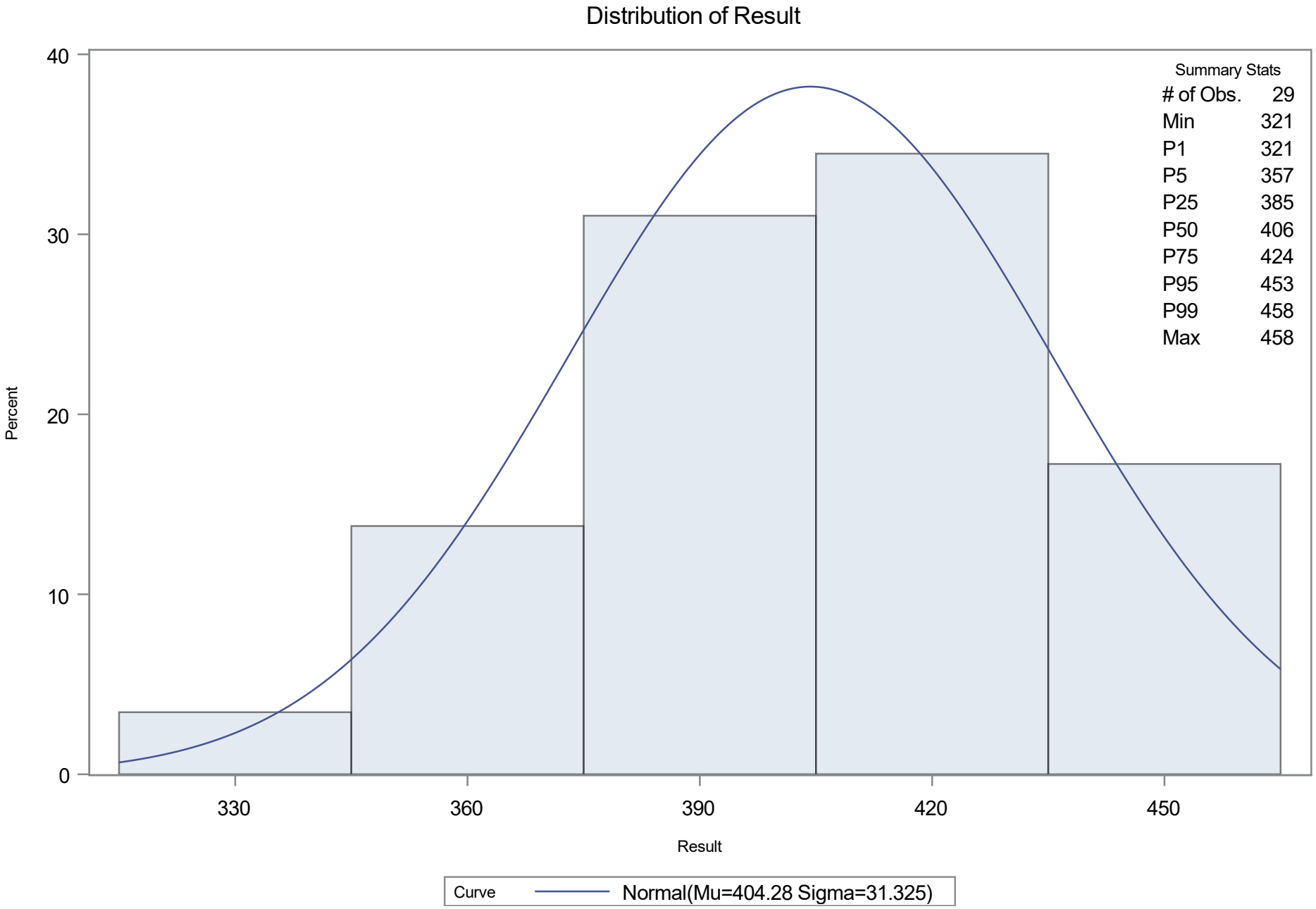

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 266
Result
450
400
350
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 266
Result
450
400
350
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	404.2759
Std Dev	Sigma	31.32536

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09173103	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.01968915	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.16401078	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	321.000	331.402
5.0	357.000	352.750
10.0	366.000	364.131
25.0	385.000	383.147
50.0	406.000	404.276
75.0	424.000	425.404
90.0	449.000	444.421
95.0	453.000	455.801
99.0	458.000	477.150

Period of Record: January 1996 through December 2023
Analysis Days Only

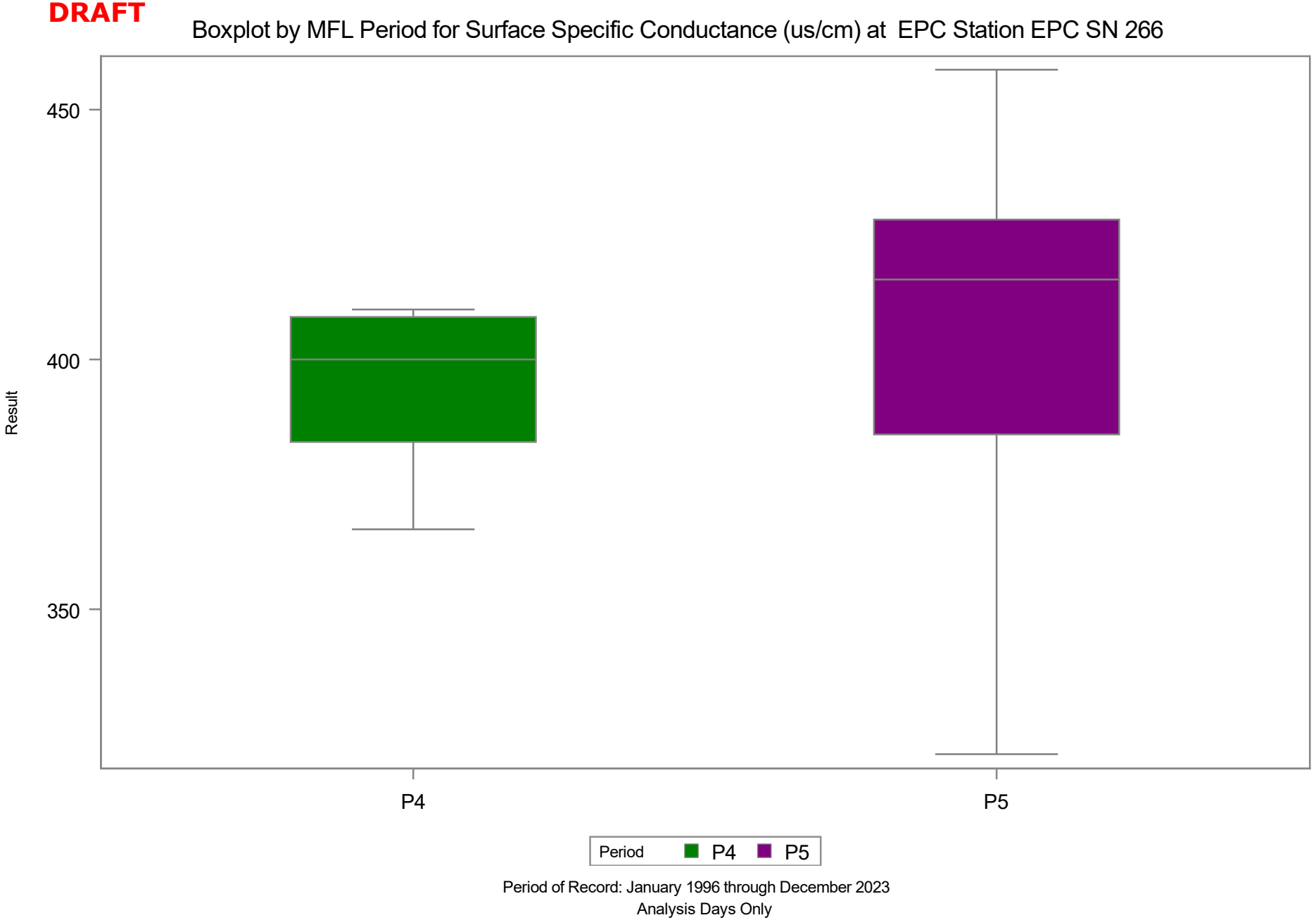
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 266

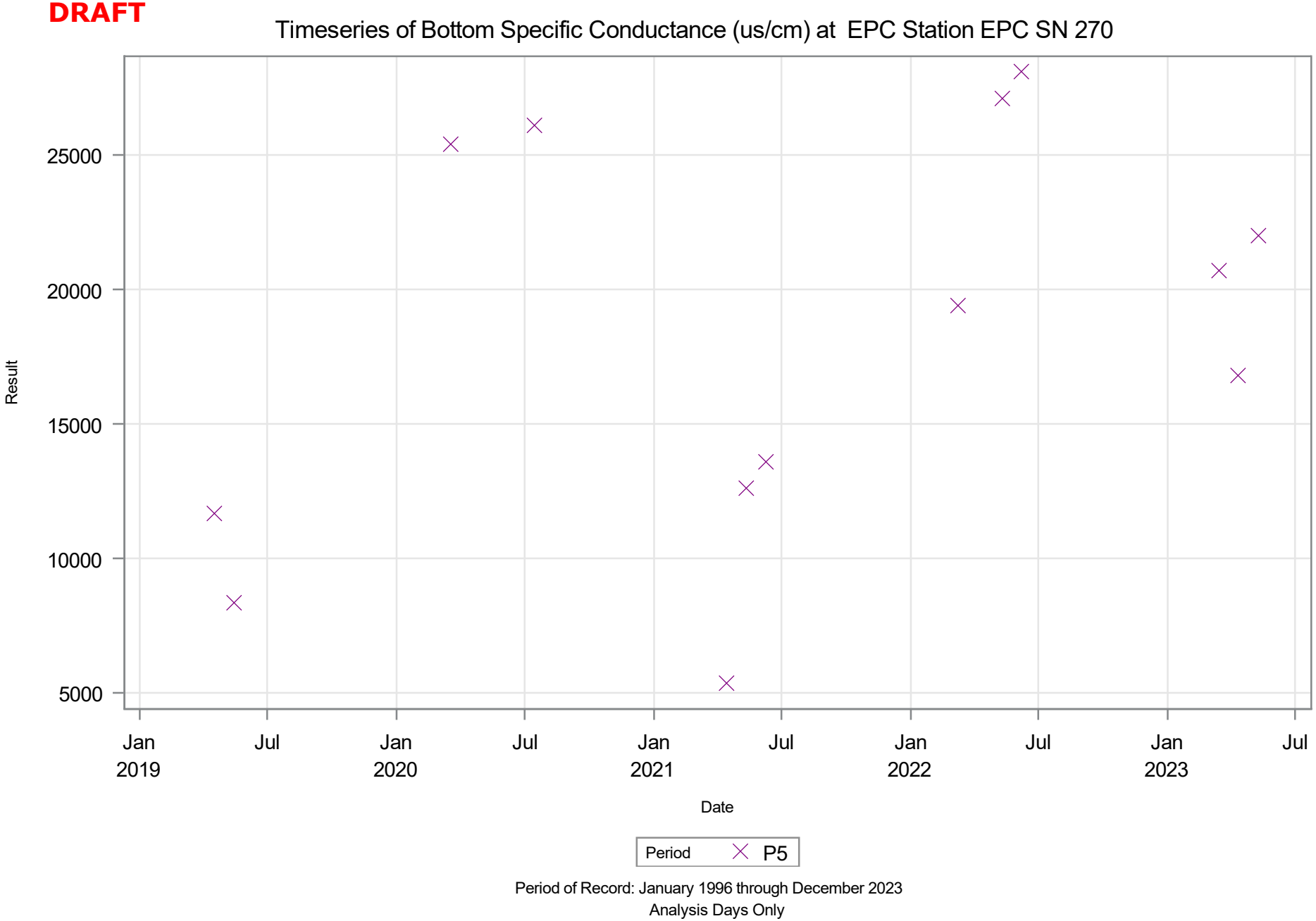
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	366.00	383.50	395.00	400.00	408.50	410.00
P5	21	321.00	385.00	407.81	416.00	428.00	458.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

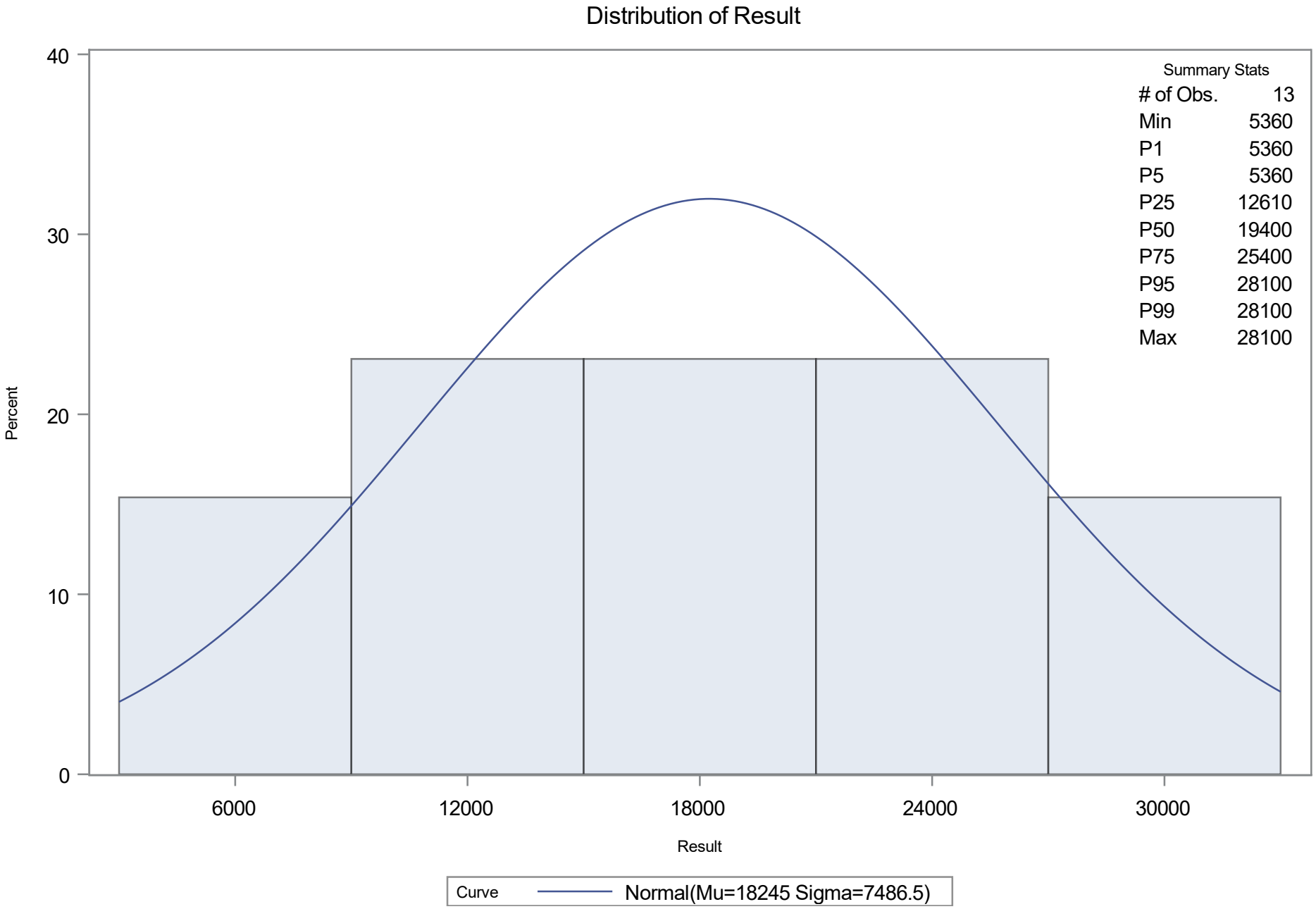

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 266
Result
450
400
350
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 270
Result
25000
20000
15000
10000
5000
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18244.62
Std Dev	Sigma	7486.451

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13810010	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03802486	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26488305	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5360.00	828.527
5.0	5360.00	5930.500
10.0	8350.00	8650.343
25.0	12610.00	13195.081
50.0	19400.00	18244.615
75.0	25400.00	23294.150
90.0	27100.00	27838.888
95.0	28100.00	30558.731
99.0	28100.00	35660.704

Period of Record: January 1996 through December 2023
Analysis Days Only

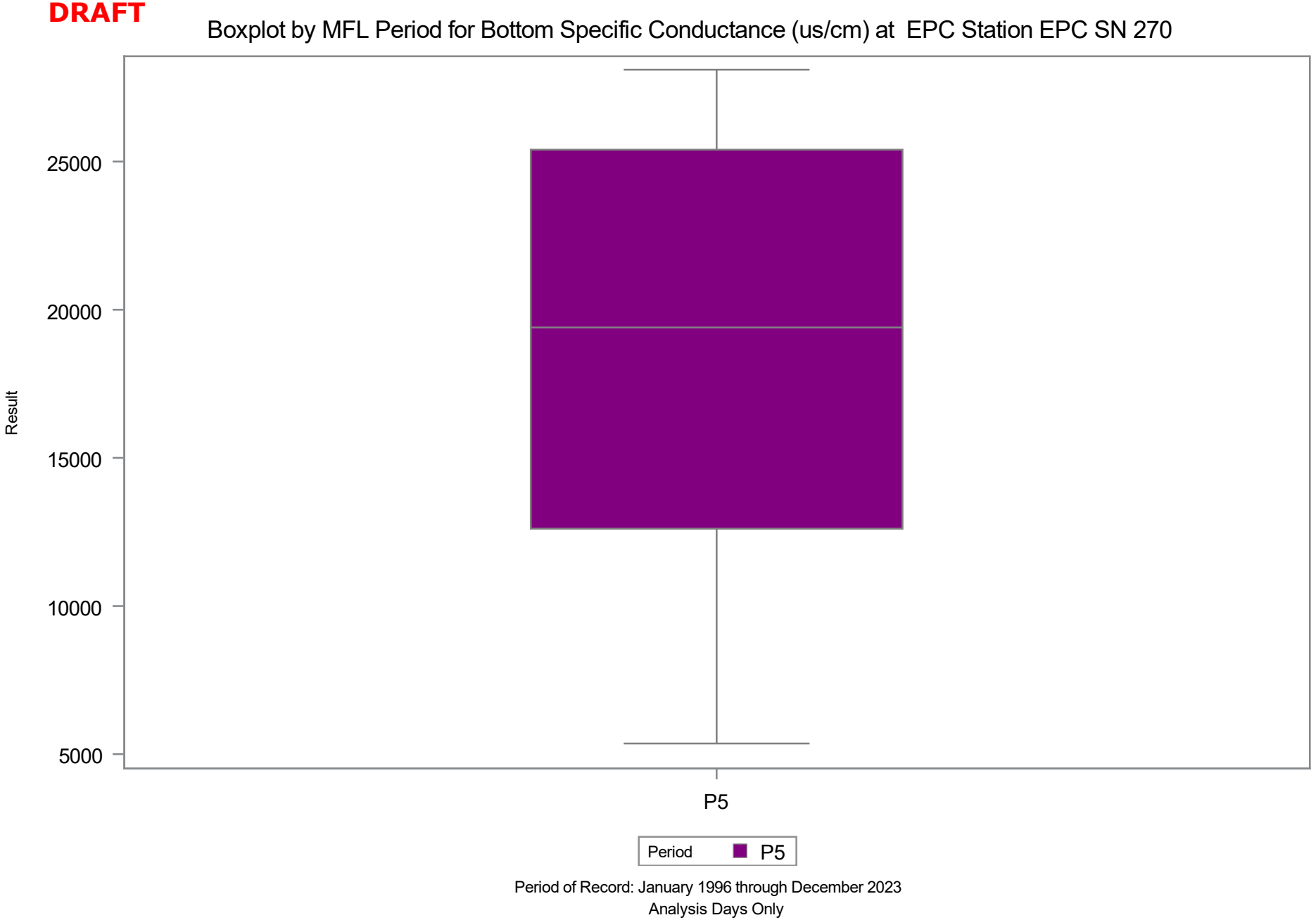
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 270

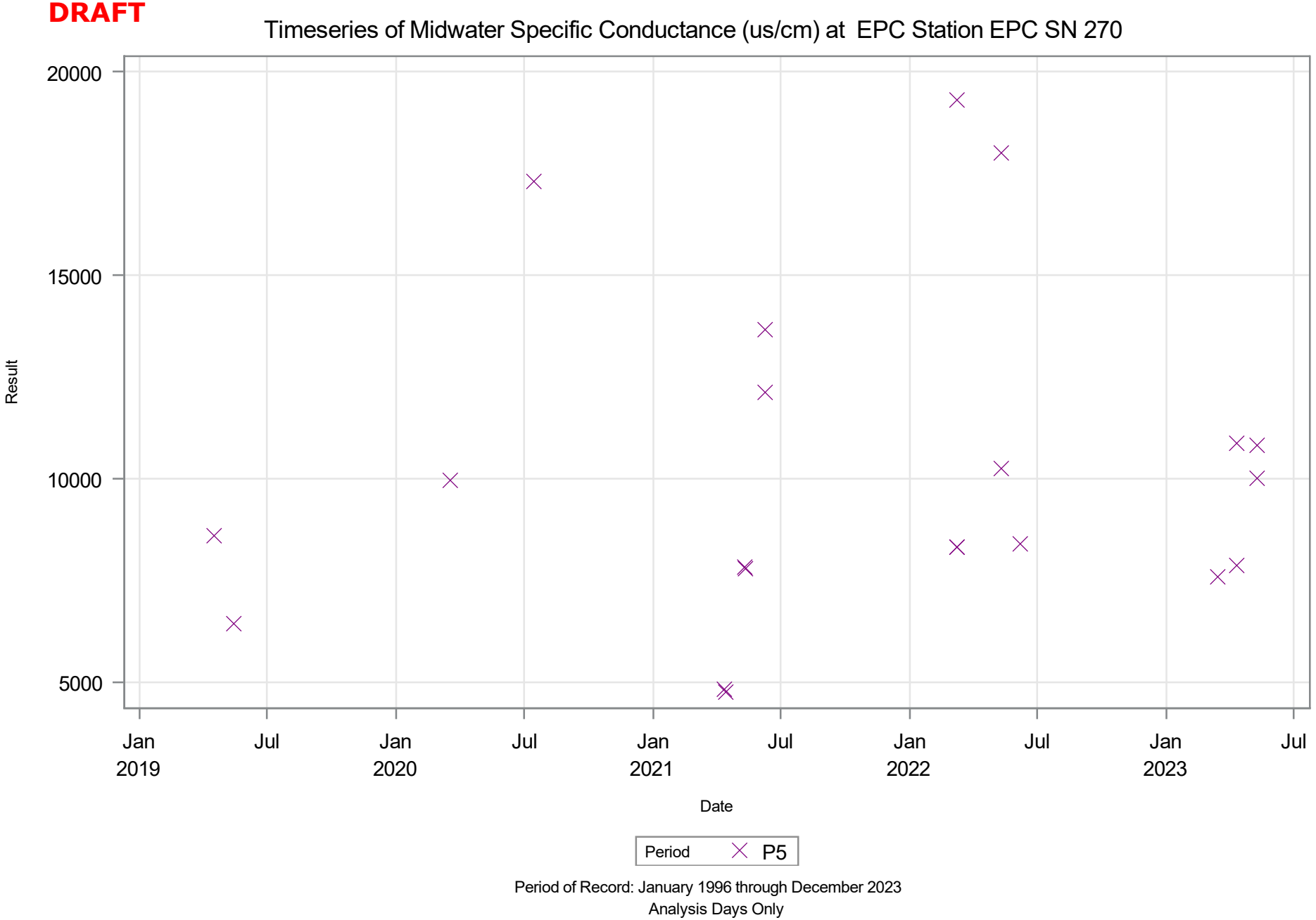
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	5360.00	12610.00	18244.62	19400.00	25400.00	28100.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

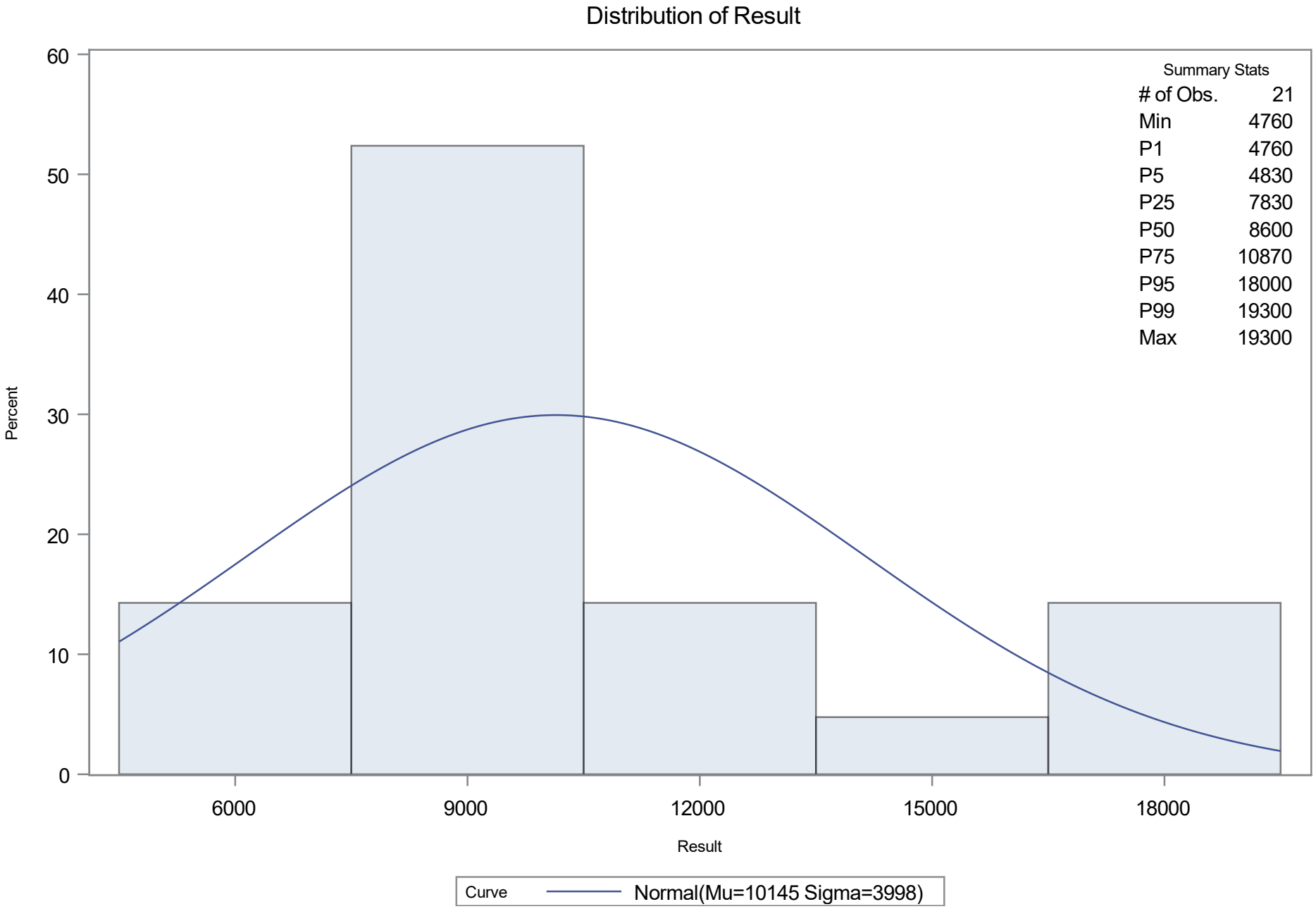

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Station EPC SN 270
Result
25000
20000
15000
10000
5000
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 270
20000
15000
10000
5000
Result
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10144.76
Std Dev	Sigma	3998.039

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18993218	**Pr > D**	0.046
Cramer-von Mises	**W-Sq**	0.16636929	**Pr > W-Sq**	0.014
Anderson-Darling	**A-Sq**	0.97786383	**Pr > A-Sq**	0.012

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4760.00	843.932
5.0	4830.00	3568.573
10.0	6440.00	5021.069
25.0	7830.00	7448.126
50.0	8600.00	10144.762
75.0	10870.00	12841.398
90.0	17300.00	15268.455
95.0	18000.00	16720.951
99.0	19300.00	19445.592

Period of Record: January 1996 through December 2023
Analysis Days Only

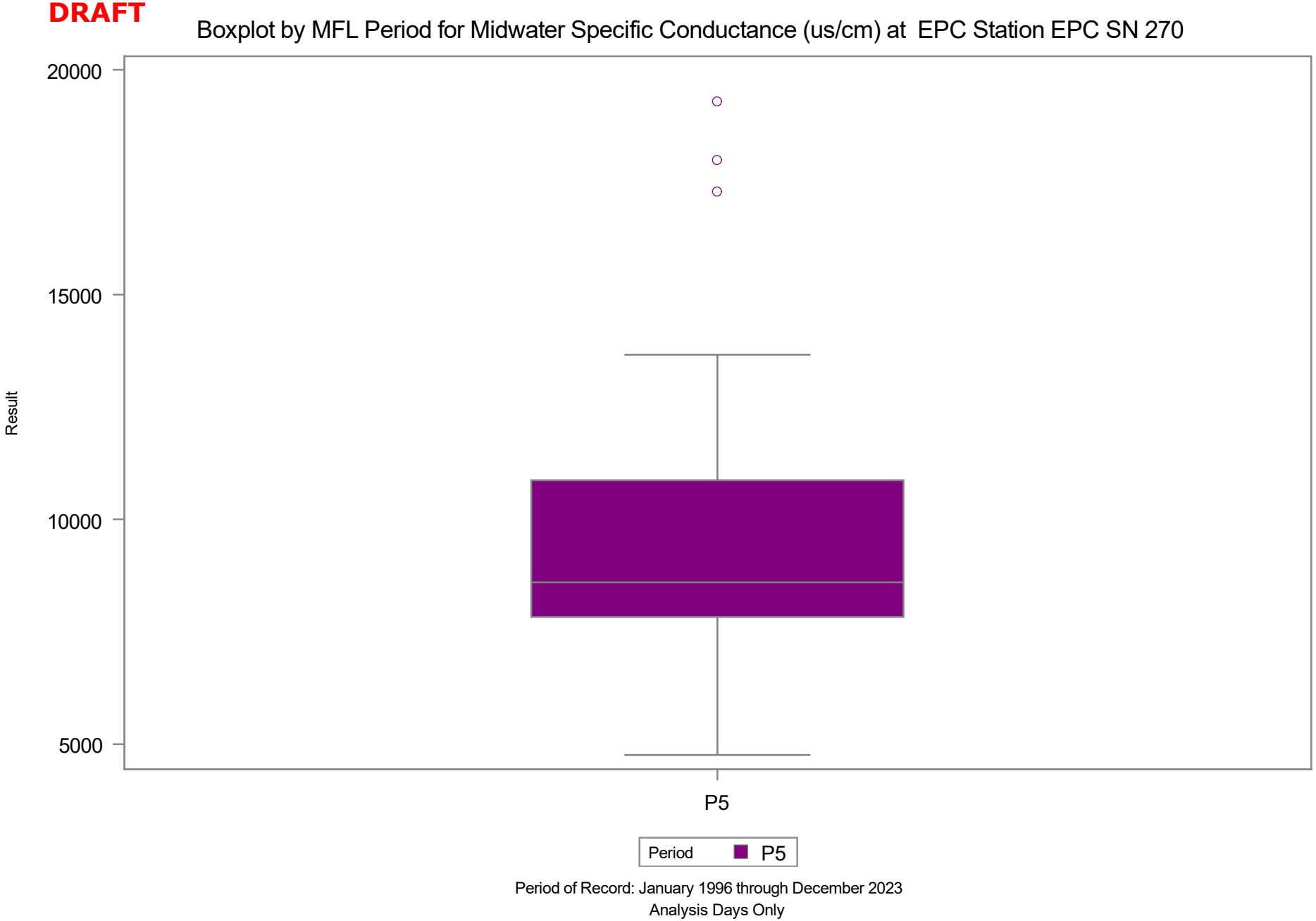
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 270

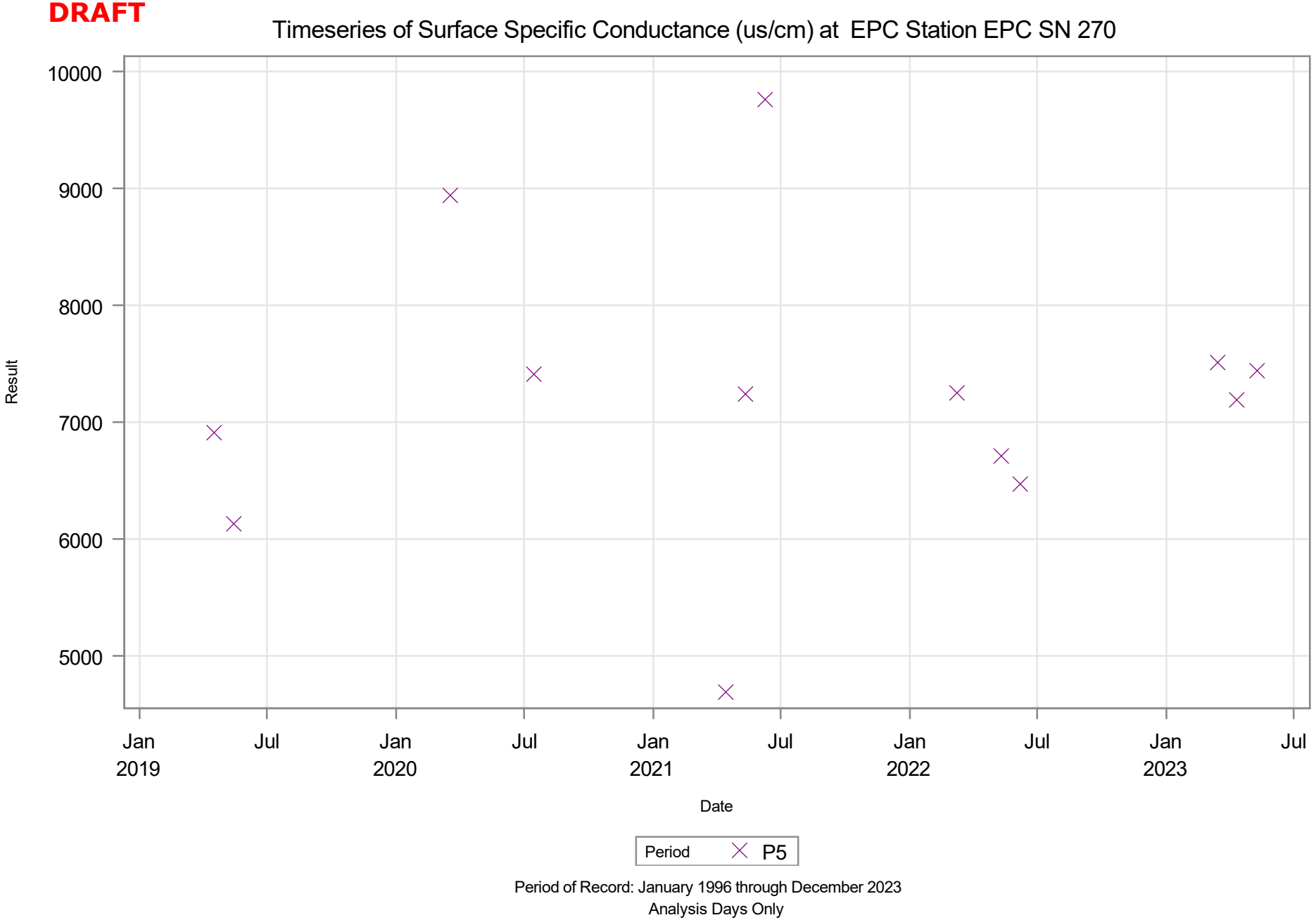
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	4760.00	7830.00	10144.76	8600.00	10870.00	19300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

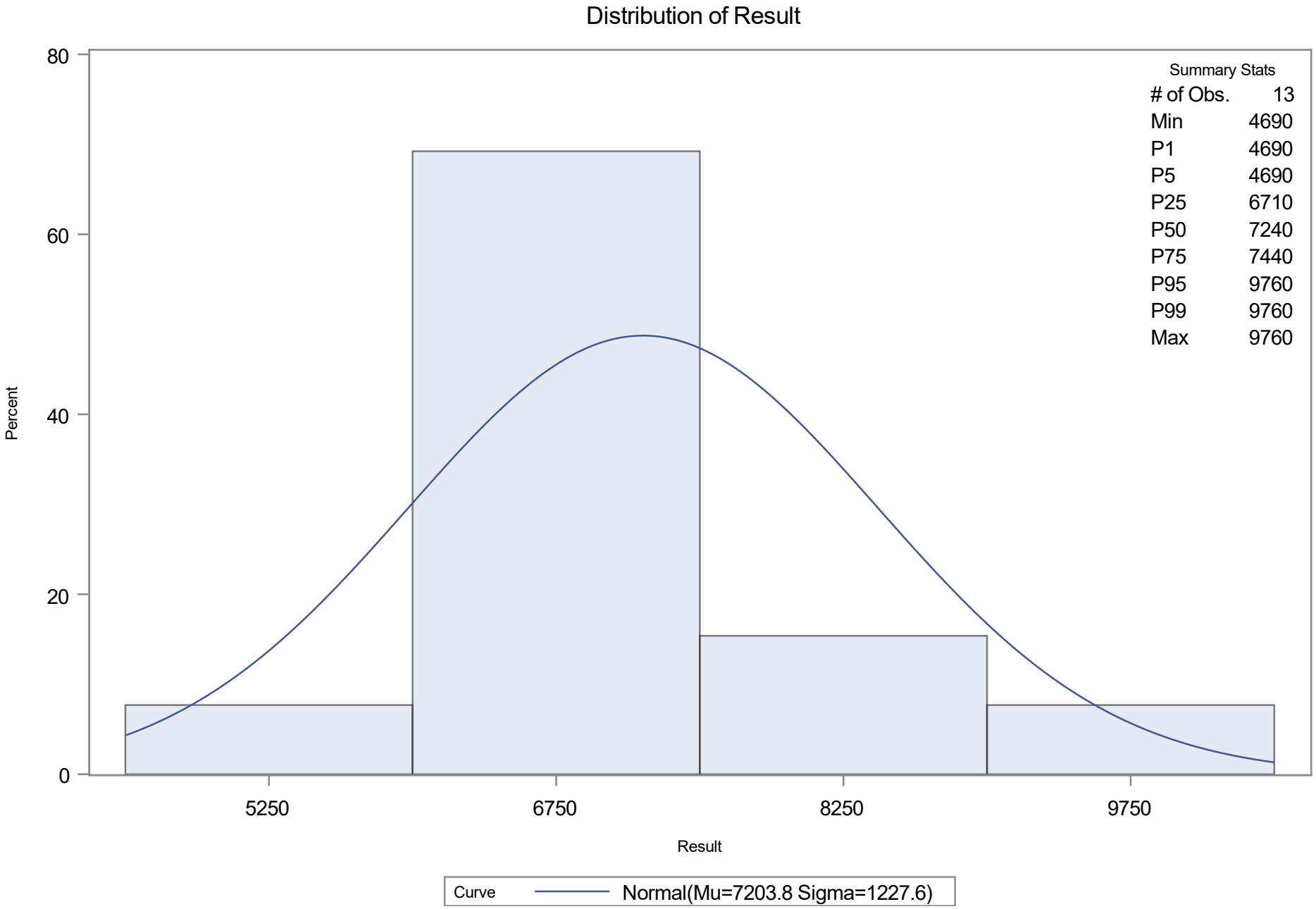

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at EPC Station EPC SN 270
20000
15000
10000
5000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Station EPC SN 270
Result
10000
9000
8000
7000
6000
5000
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7203.846
Std Dev	Sigma	1227.637

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24768546	**Pr > D**	0.028
Cramer-von Mises	**W-Sq**	0.11453992	**Pr > W-Sq**	0.066
Anderson-Darling	**A-Sq**	0.60011759	**Pr > A-Sq**	0.095

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4690.00	4347.94
5.0	4690.00	5184.56
10.0	6130.00	5630.57
25.0	6710.00	6375.82
50.0	7240.00	7203.85
75.0	7440.00	8031.87
90.0	8940.00	8777.13
95.0	9760.00	9223.13
99.0	9760.00	10059.76

Period of Record: January 1996 through December 2023
Analysis Days Only

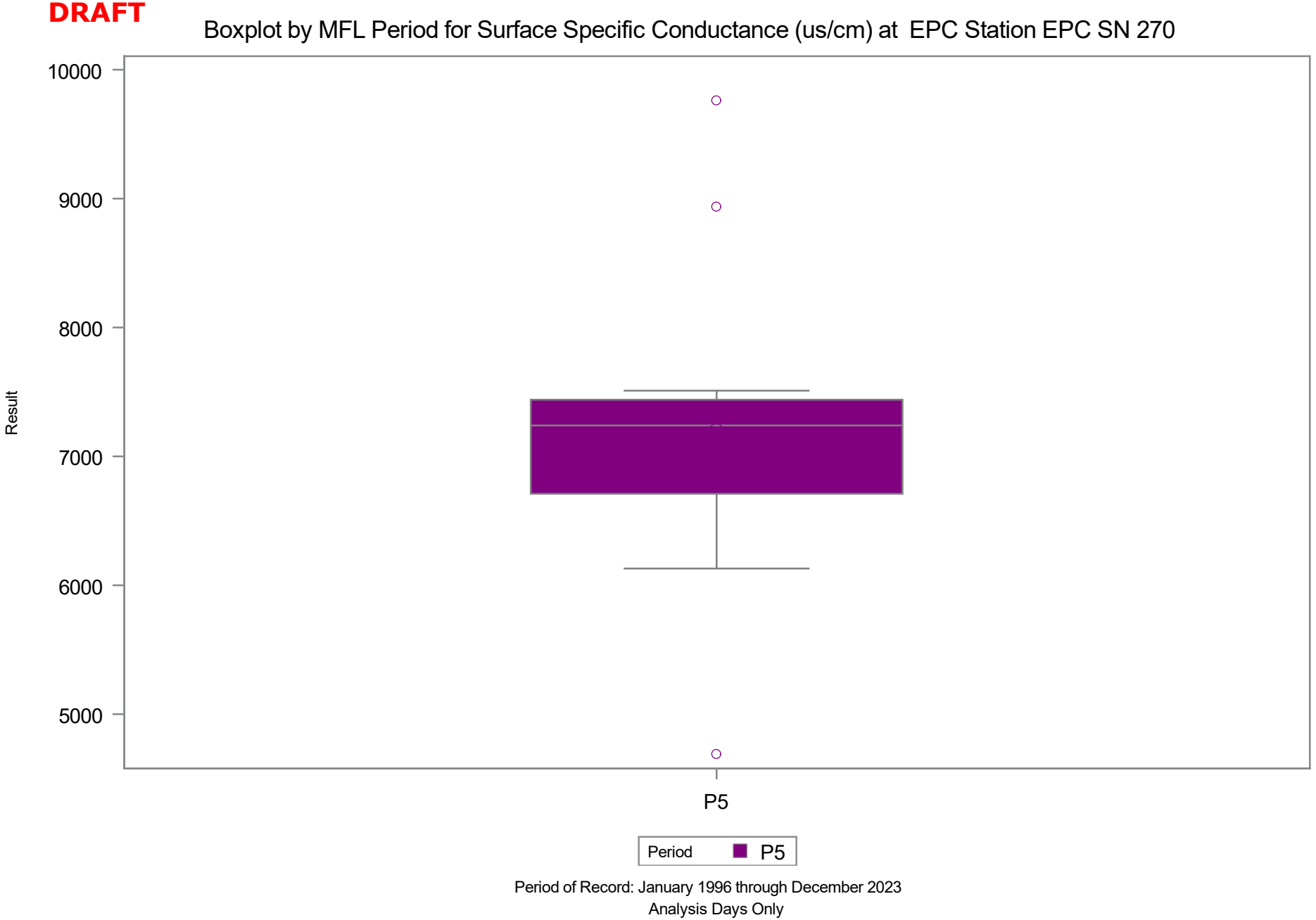
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 270

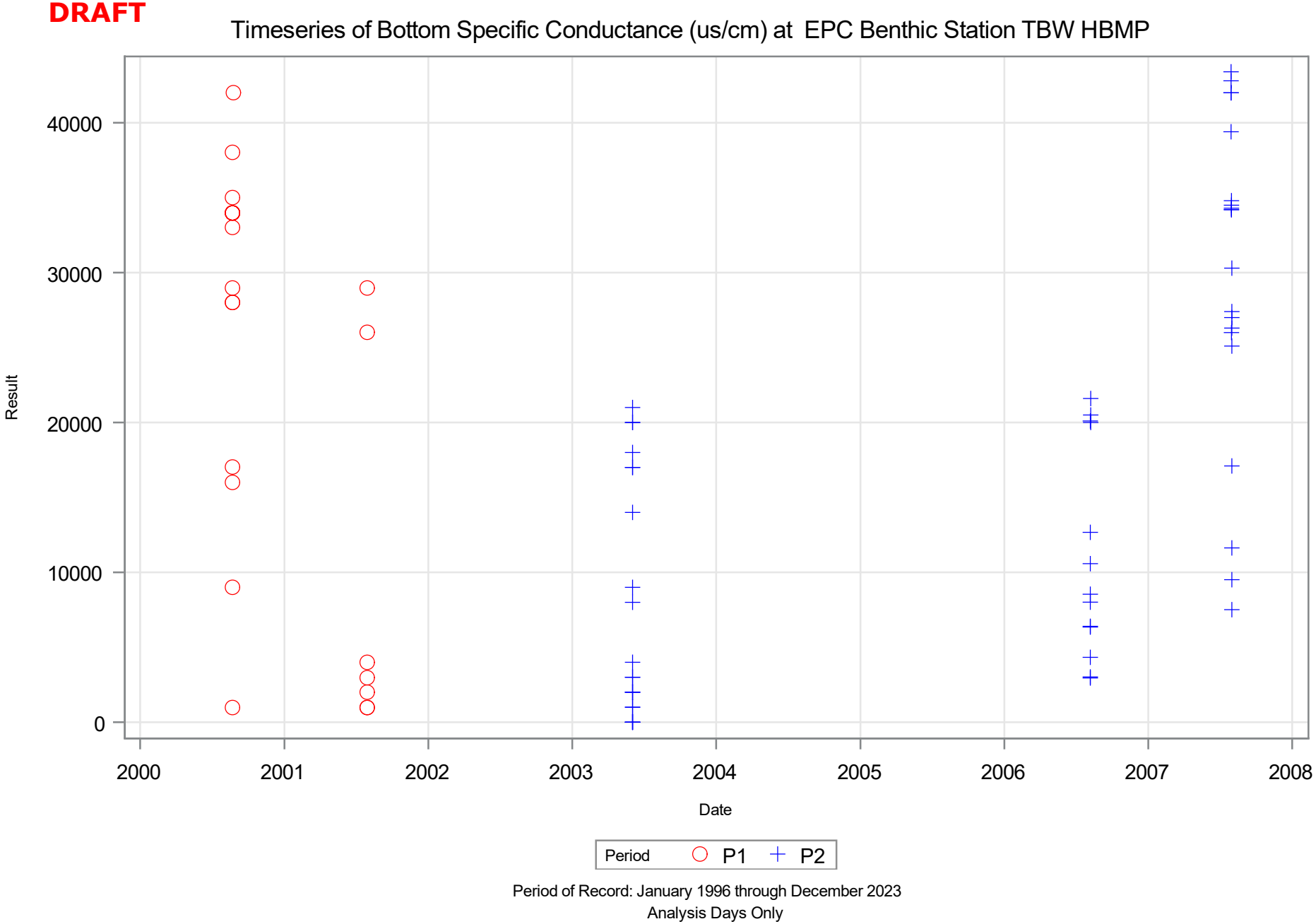
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	4690.00	6710.00	7203.85	7240.00	7440.00	9760.00

Period of Record: January 1996 through December 2023
Analysis Days Only

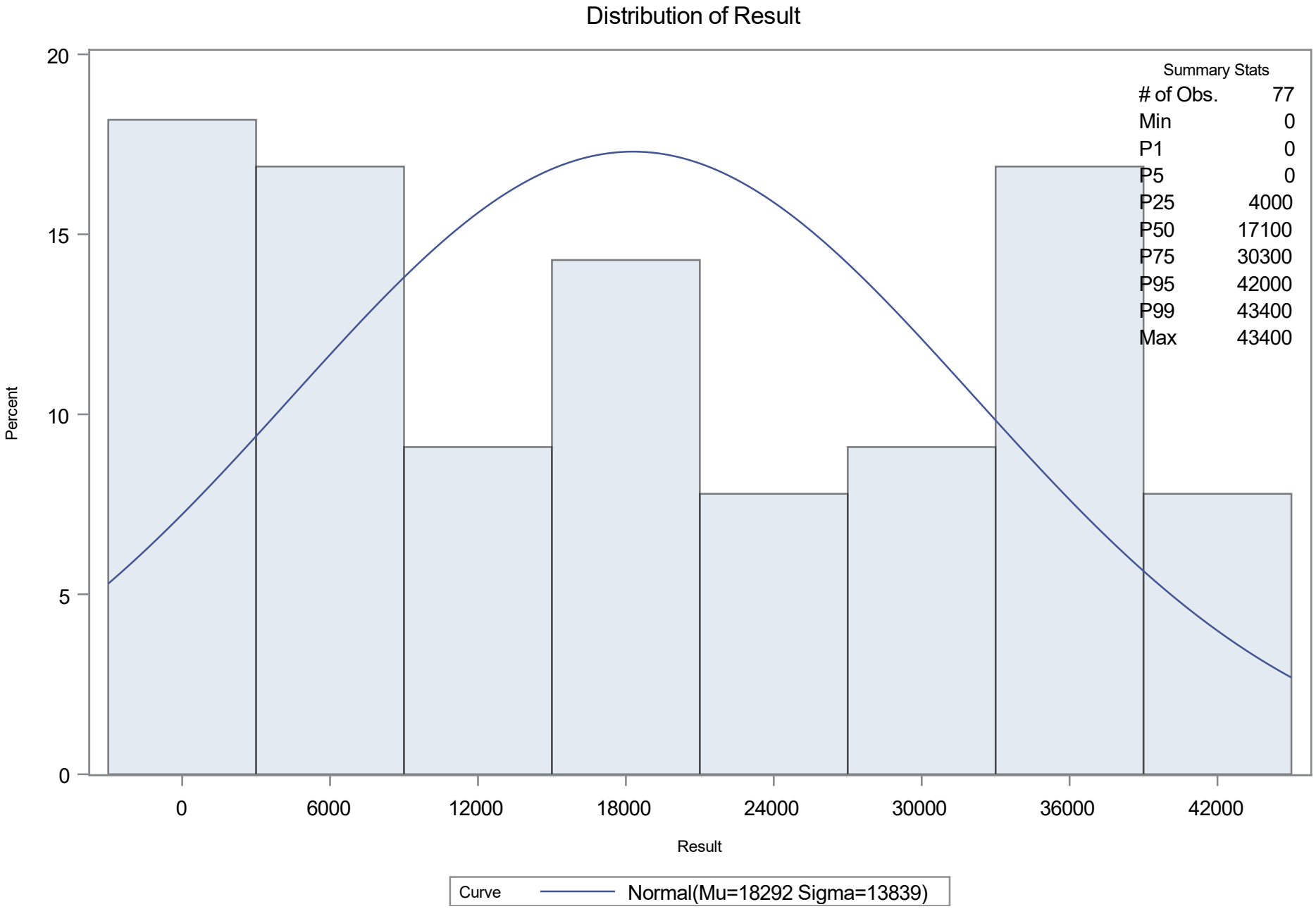
DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Station EPC SN 270
10000
9000
8000
7000
6000
5000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP
Result
40000
30000
20000
10000
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18292.21
Std Dev	Sigma	13838.61

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12677111	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29529349	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.01801069	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.0	-13901.204
5.0	0.0	-4470.274
10.0	1000.0	557.320
25.0	4000.0	8958.210
50.0	17100.0	18292.208
75.0	30300.0	27626.206
90.0	35000.0	36027.095
95.0	42000.0	41054.689
99.0	43400.0	50485.620

Period of Record: January 1996 through December 2023
Analysis Days Only

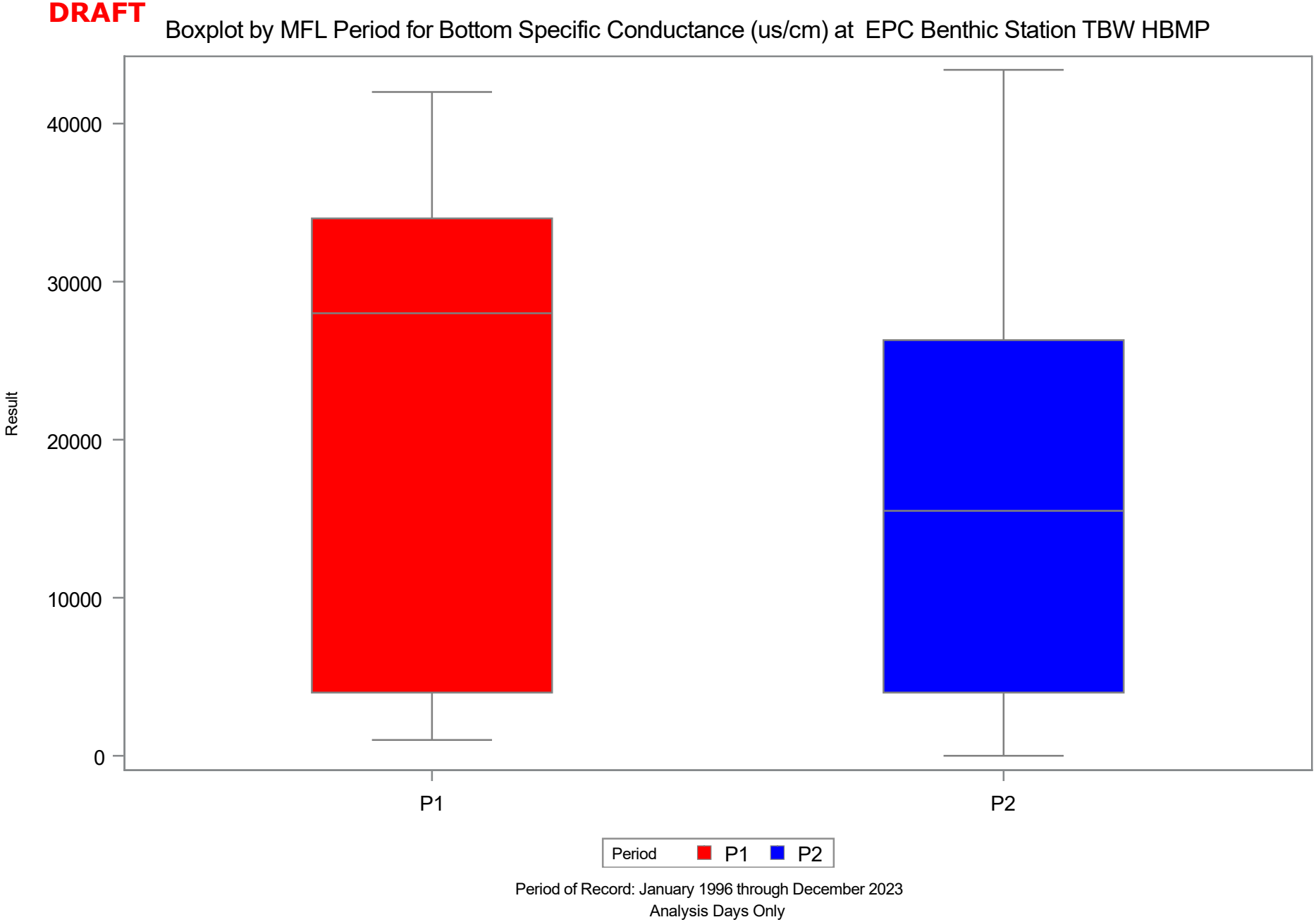
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP

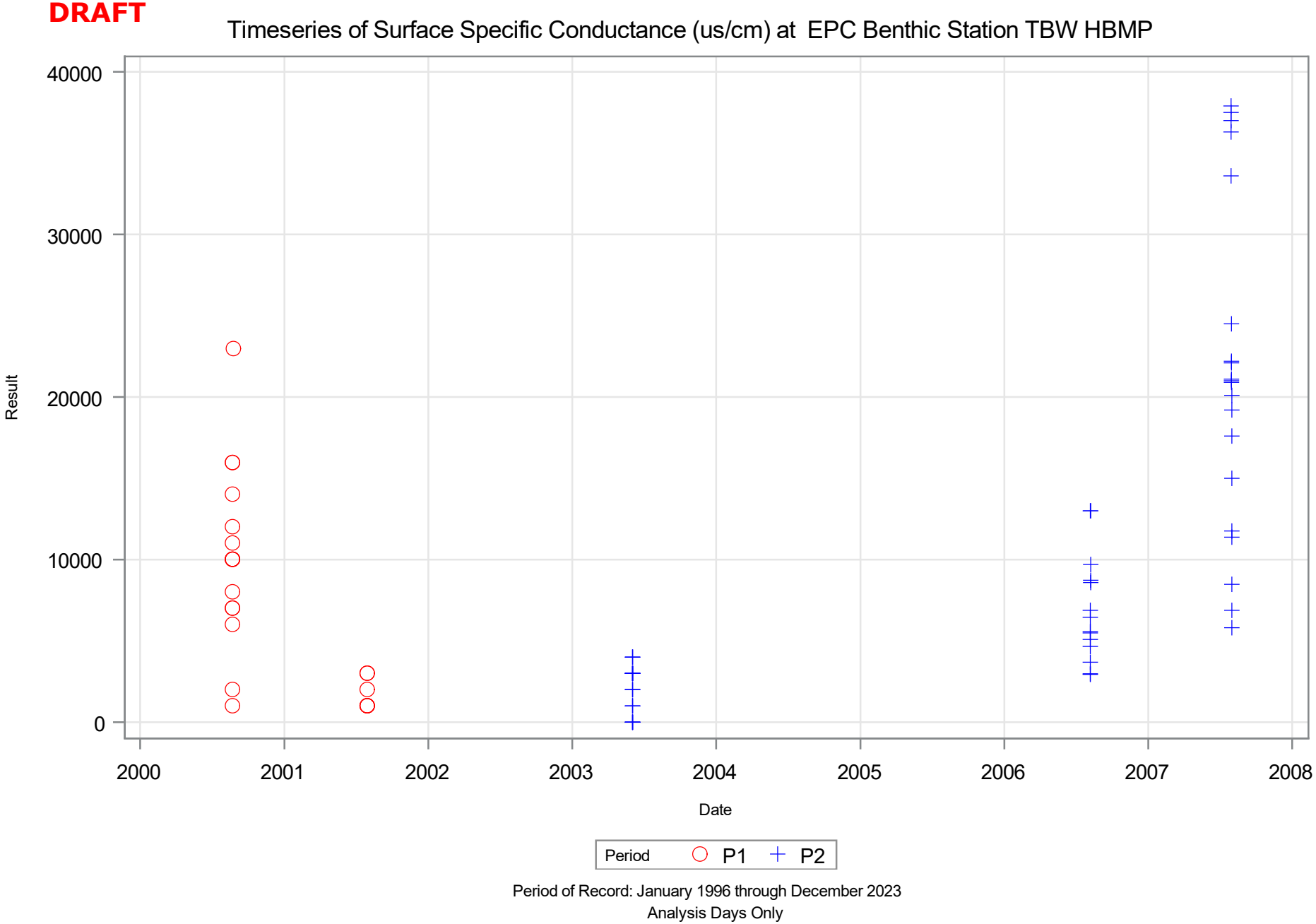
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	23	1000.00	4000.00	22260.87	28000.00	34000.00	42000.00
P2	54	0.00	4000.00	16601.85	15500.00	26300.00	43400.00

Period of Record: January 1996 through December 2023
Analysis Days Only

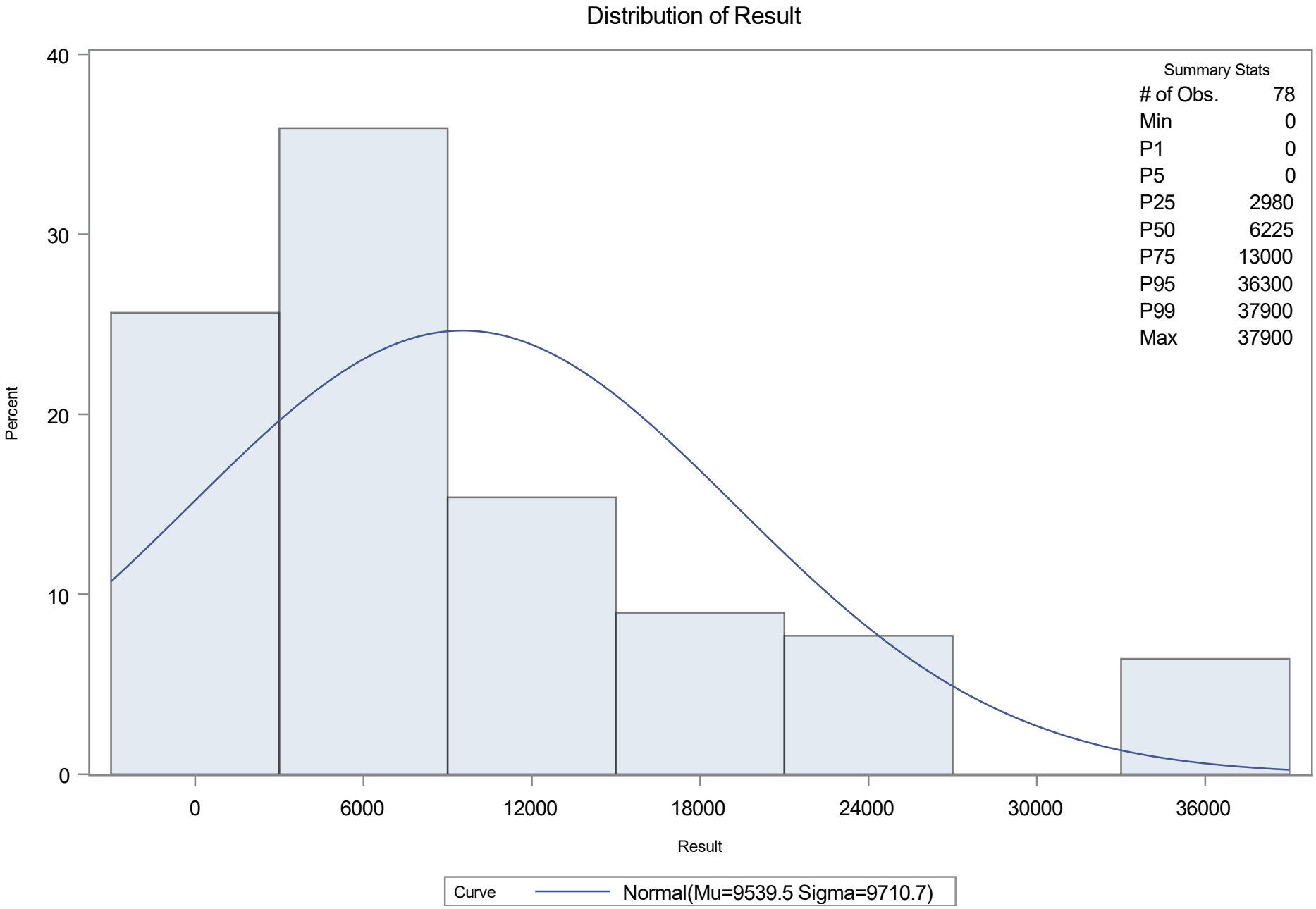
DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP
Result
40000
30000
20000
10000
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP
Result
40000
30000
20000
10000
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9539.487
Std Dev	Sigma	9710.657

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16725506	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.70475856	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.25969787	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.0	-13050.88
5.0	0.0	-6433.12
10.0	1000.0	-2905.22
25.0	2980.0	2989.75
50.0	6225.0	9539.49
75.0	13000.0	16089.23
90.0	22200.0	21984.19
95.0	36300.0	25512.10
99.0	37900.0	32129.85

Period of Record: January 1996 through December 2023
Analysis Days Only

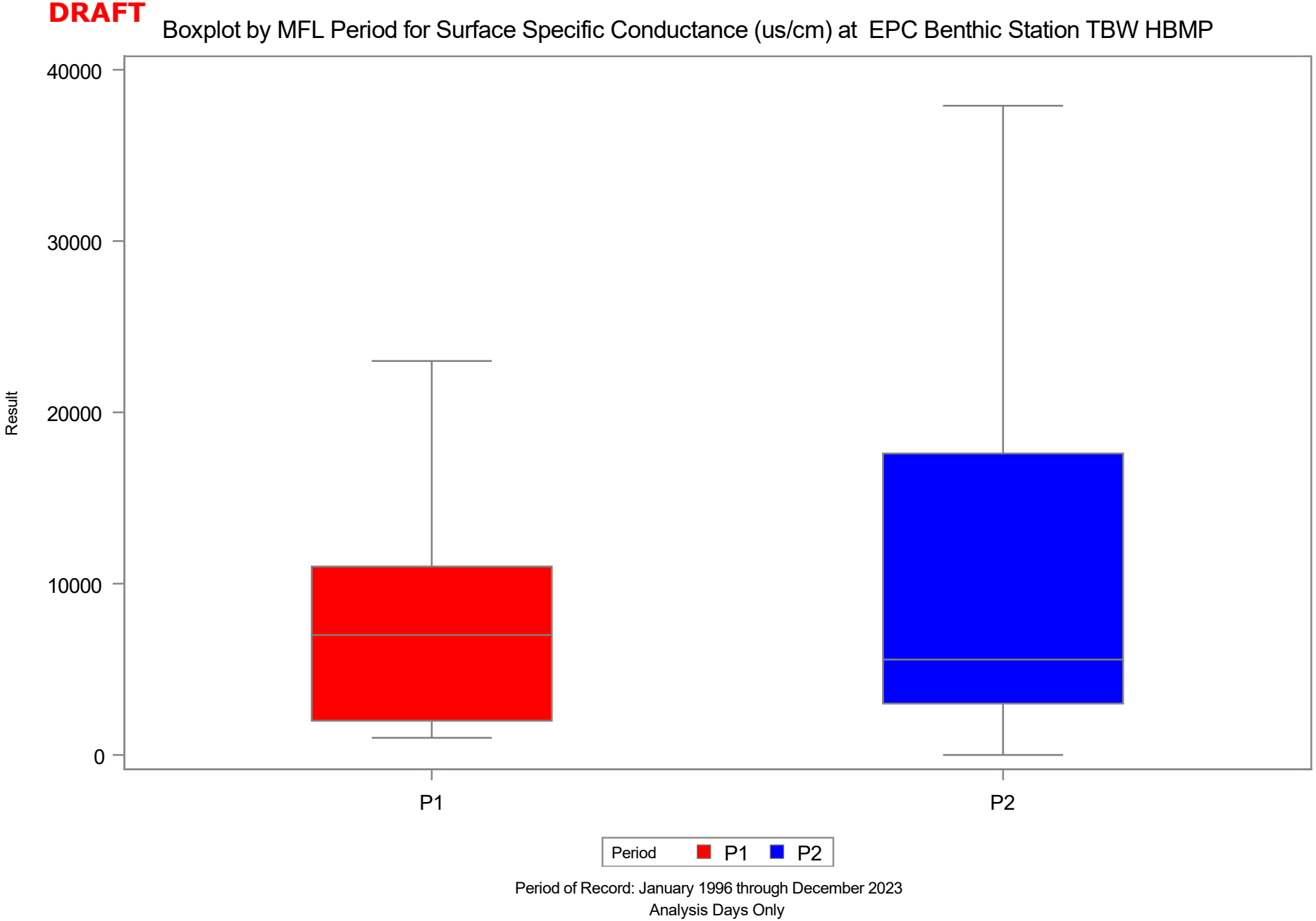
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	23	1000.00	2000.00	7608.70	7000.00	11000.00	23000.00
P2	55	0.00	3000.00	10346.91	5570.00	17600.00	37900.00

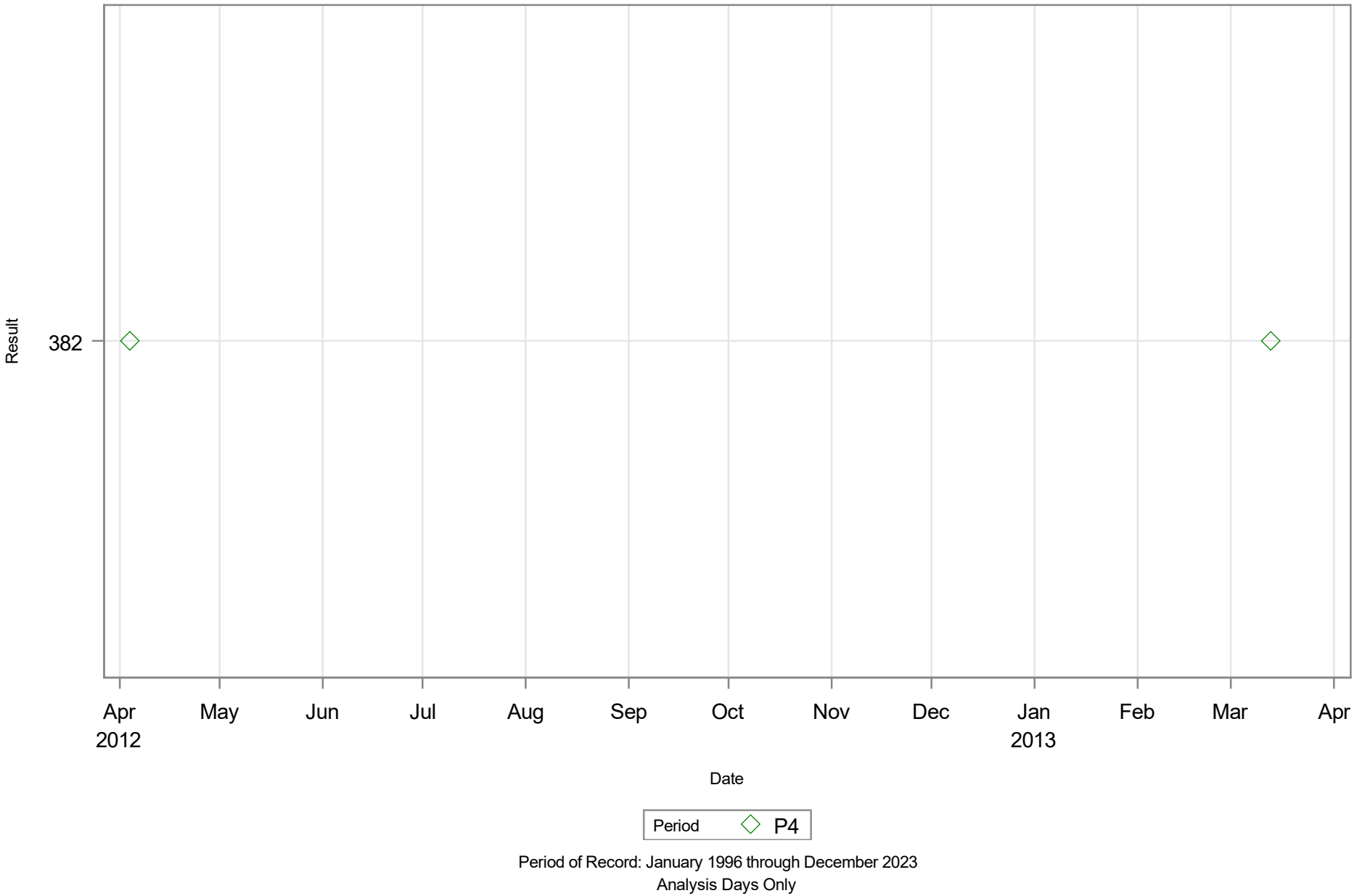
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at EPC Benthic Station TBW HBMP
Result
40000
30000
20000
10000
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

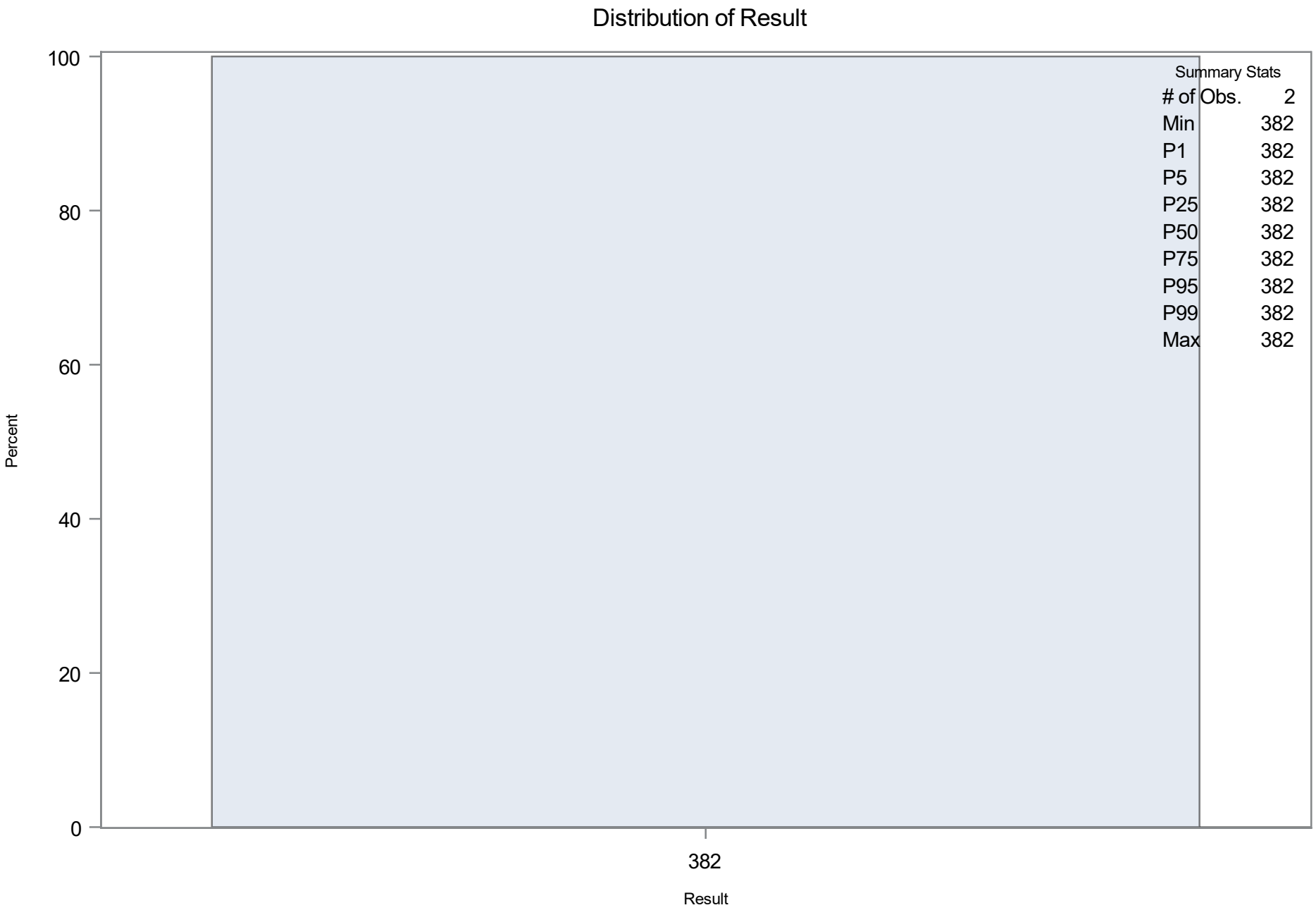
Timeseries of Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 28100



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 28100



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

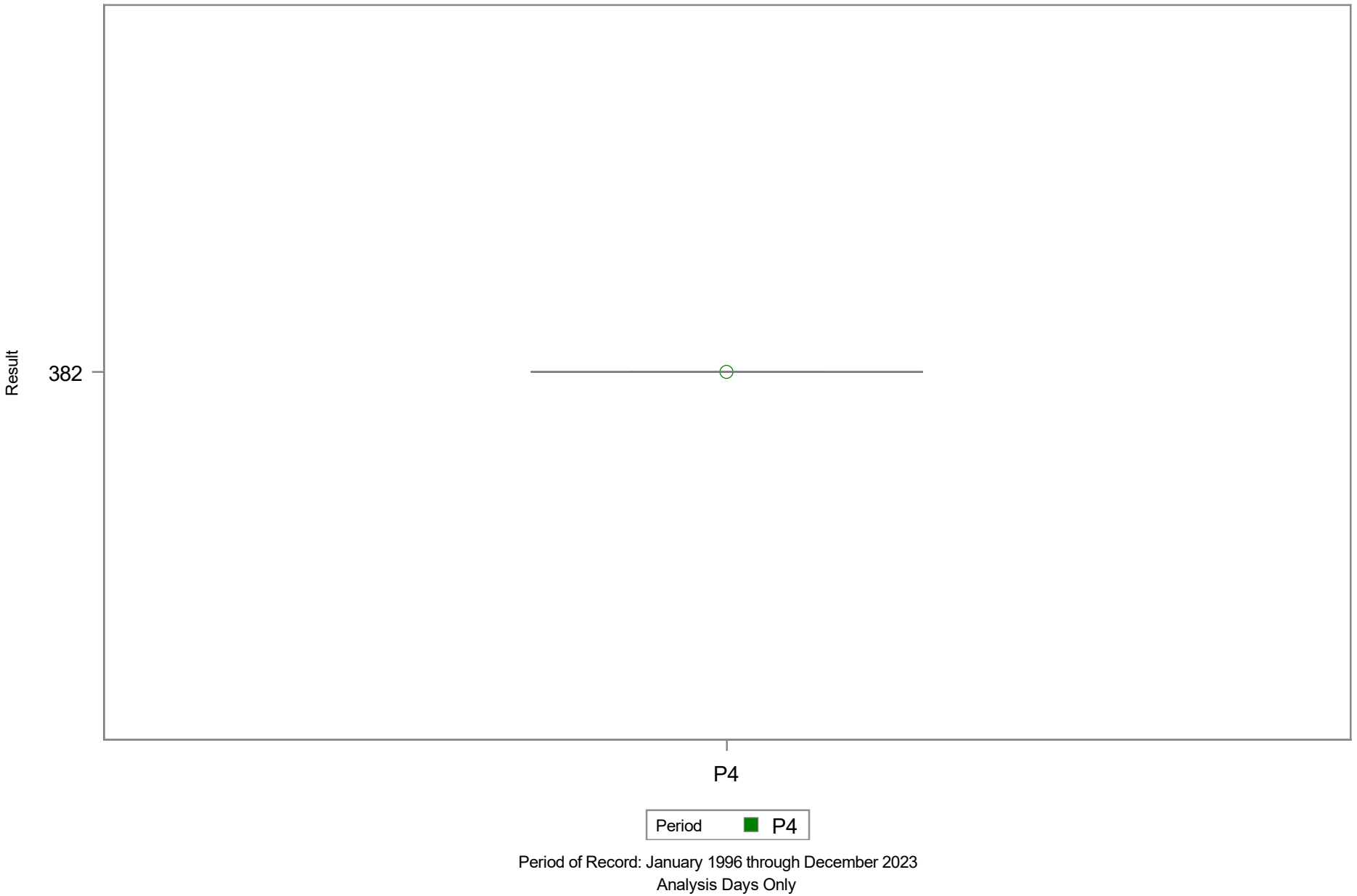
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 28100

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	2	382.00	382.00	382.00	382.00	382.00	382.00

Period of Record: January 1996 through December 2023
Analysis Days Only

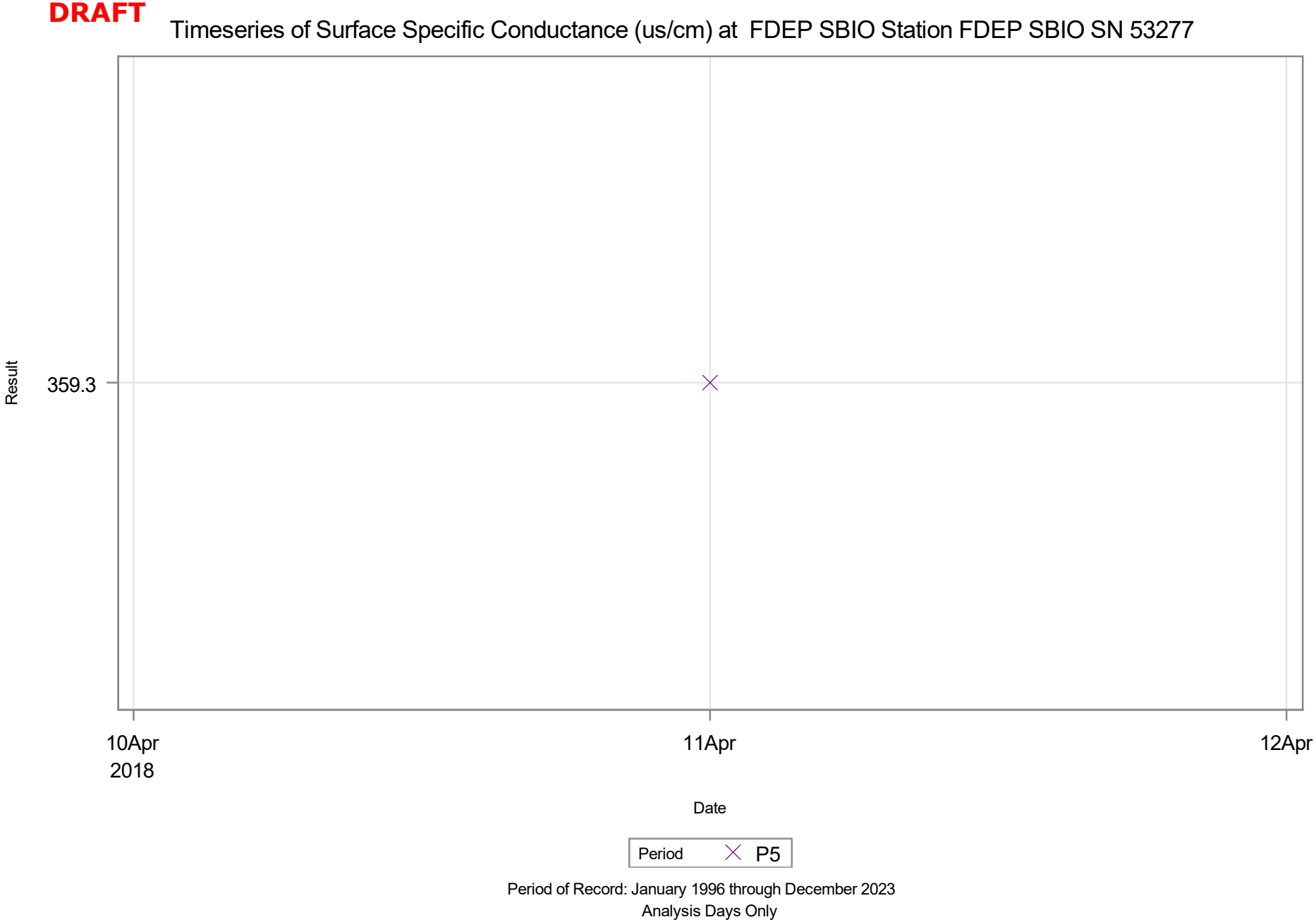
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 28100



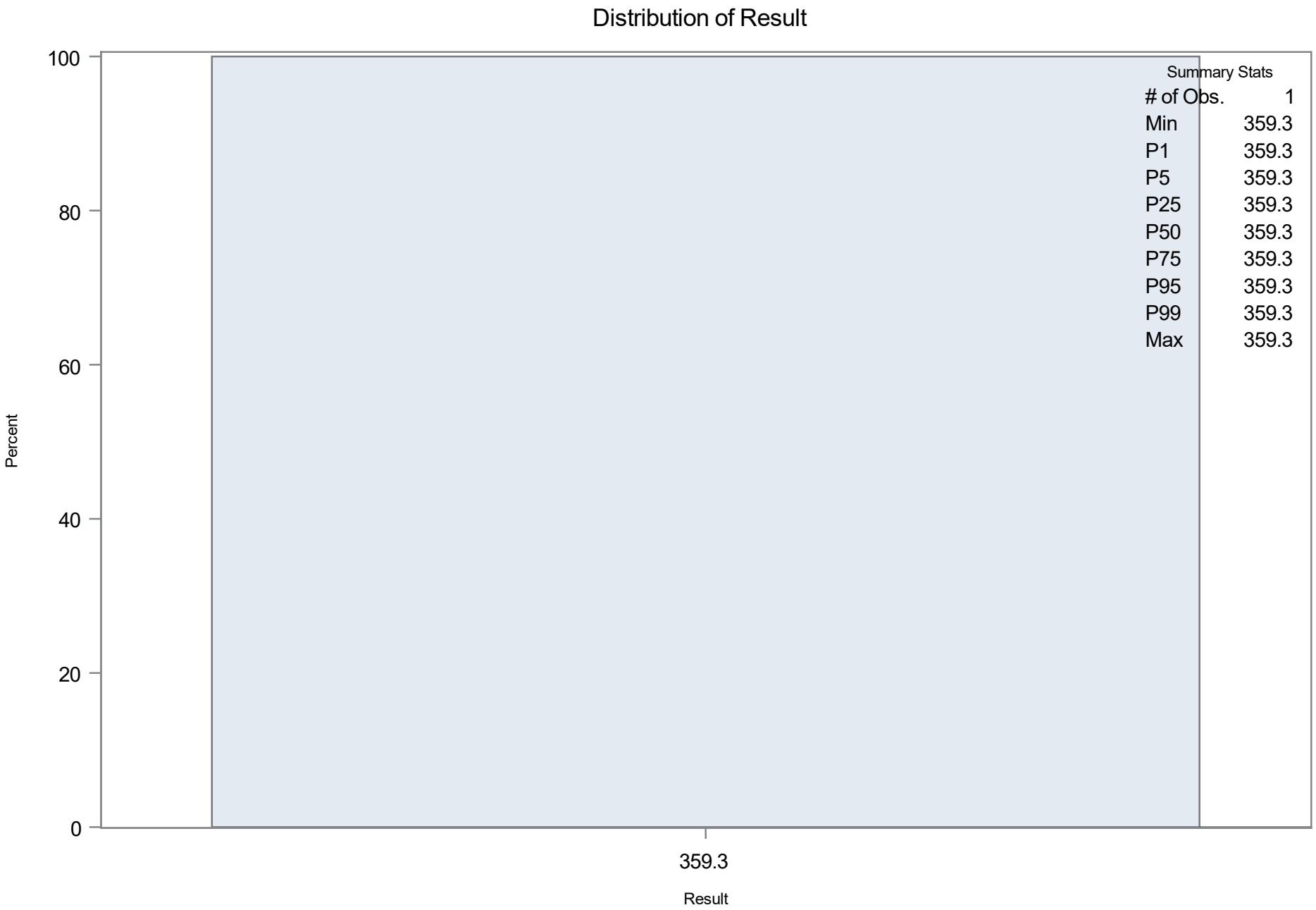
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 53277
Result
359.3
10Apr
2018
11Apr
12Apr
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 53277



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

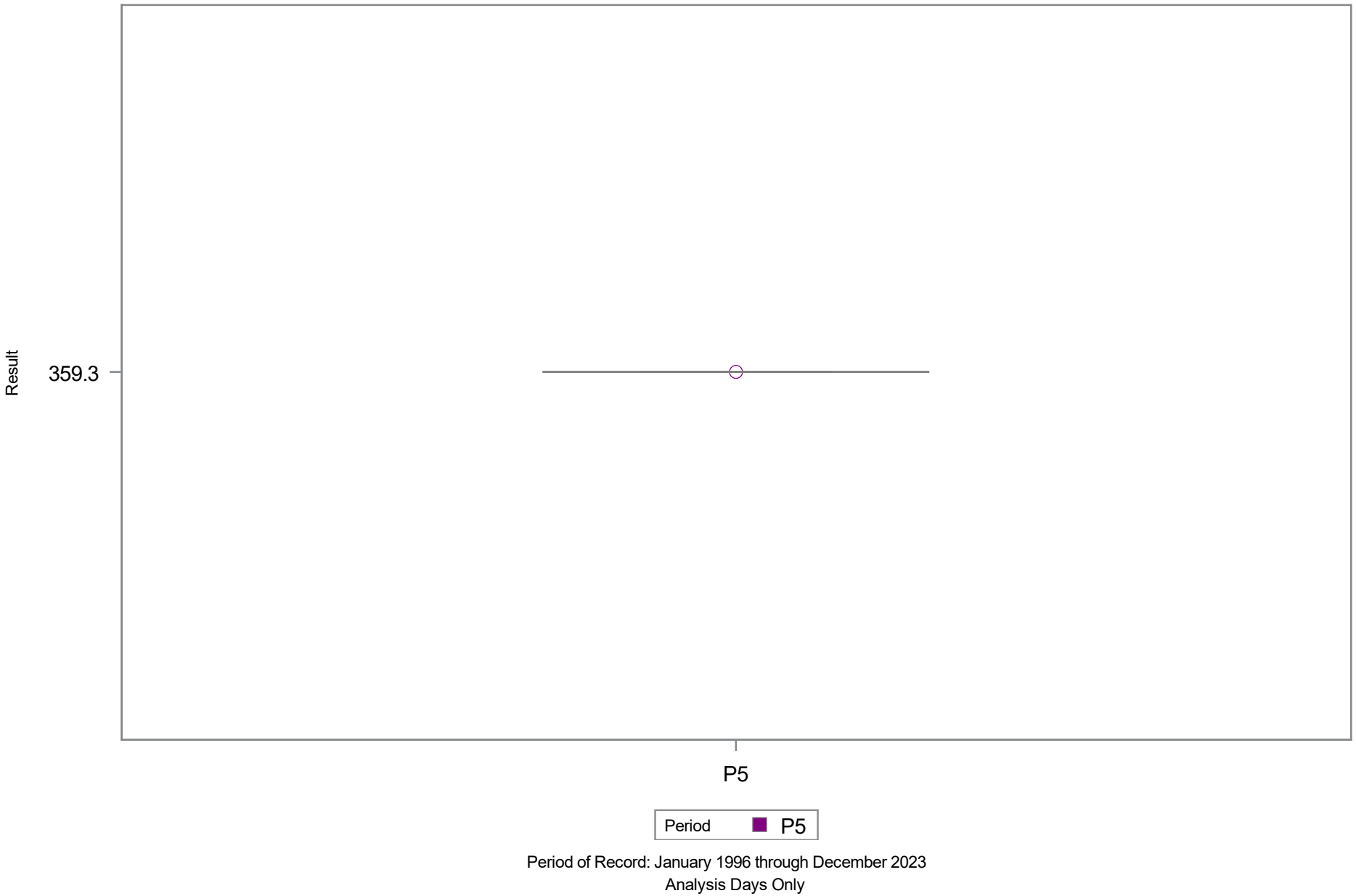
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 53277

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	359.30	359.30	359.30	359.30	359.30	359.30

Period of Record: January 1996 through December 2023
Analysis Days Only

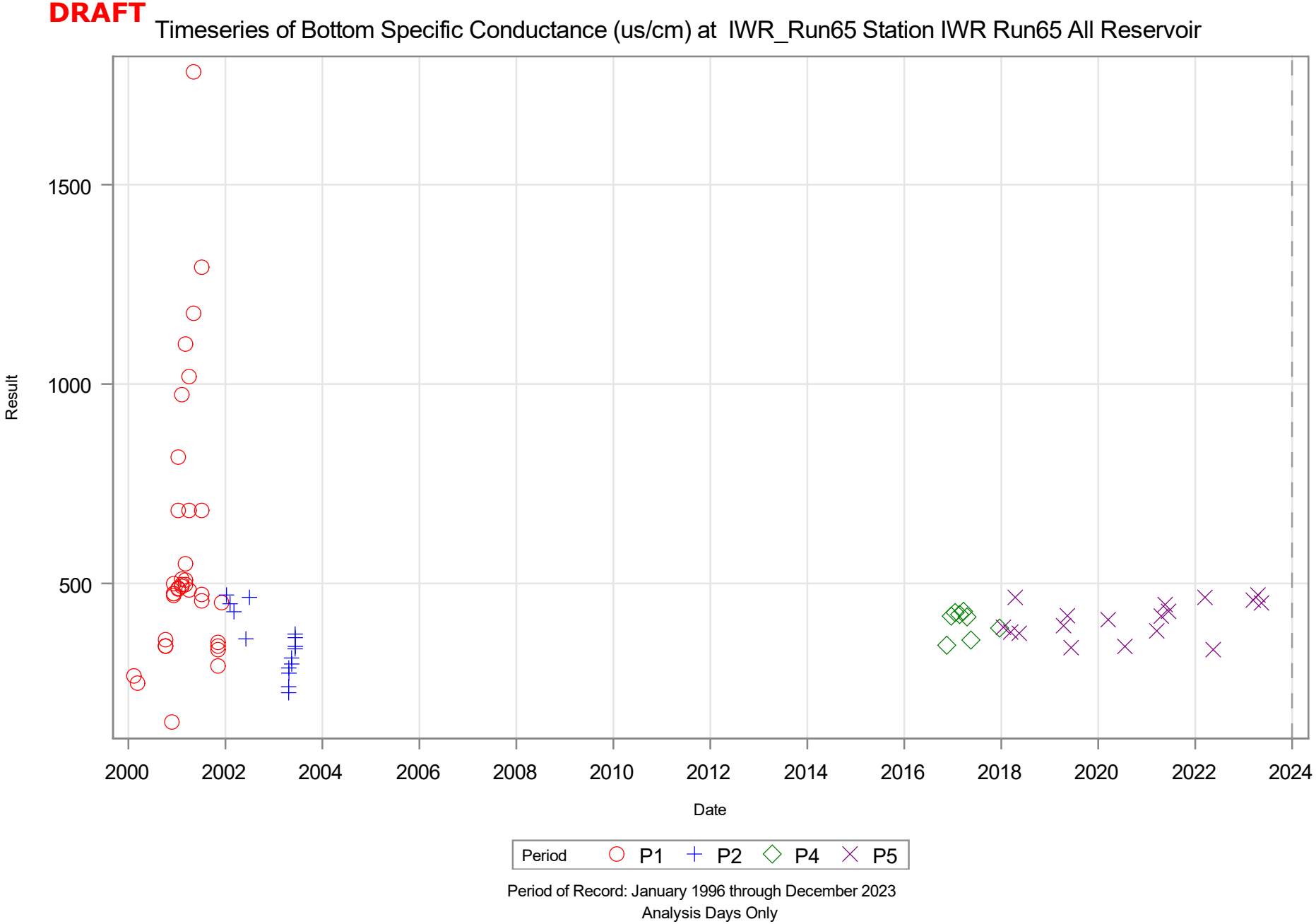
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at FDEP SBIO Station FDEP SBIO SN 53277



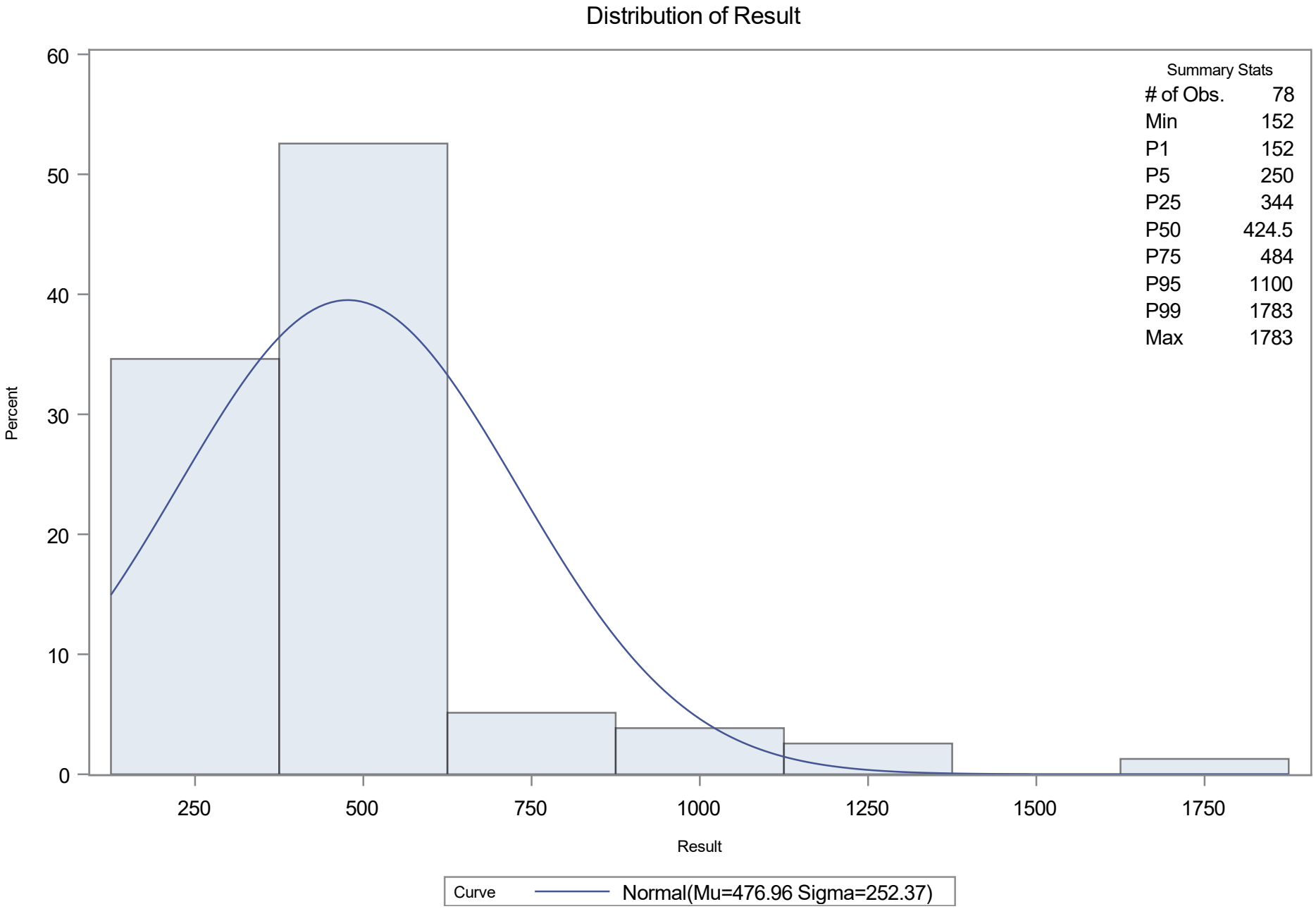
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir
Result
1500
1000
500
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	476.9615
Std Dev	Sigma	252.3709

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30689669	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.59374424	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.34910322	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	152.000	-110.1410
5.0	250.000	61.8483
10.0	294.000	153.5352
25.0	344.000	306.7399
50.0	424.500	476.9615
75.0	484.000	647.1831
90.0	683.000	800.3879
95.0	1100.000	892.0747
99.0	1783.000	1064.0641

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

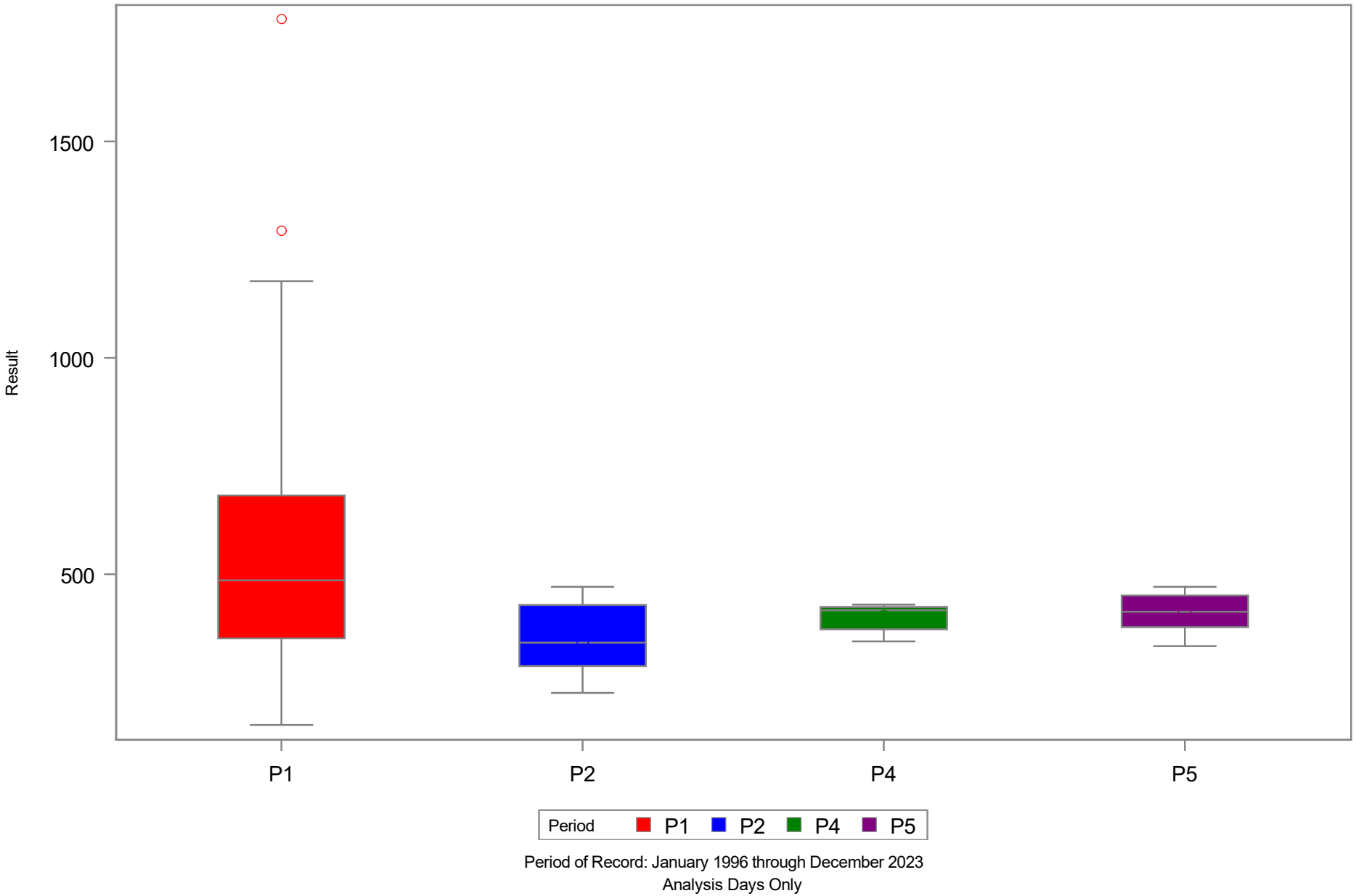
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	152.00	352.00	578.43	486.00	682.00	1783.00
P2	15	226.00	288.00	348.73	342.00	429.00	471.00
P4	8	345.00	373.00	400.50	417.00	424.50	430.00
P5	18	334.00	378.00	409.22	413.50	451.00	471.00

Period of Record: January 1996 through December 2023
Analysis Days Only

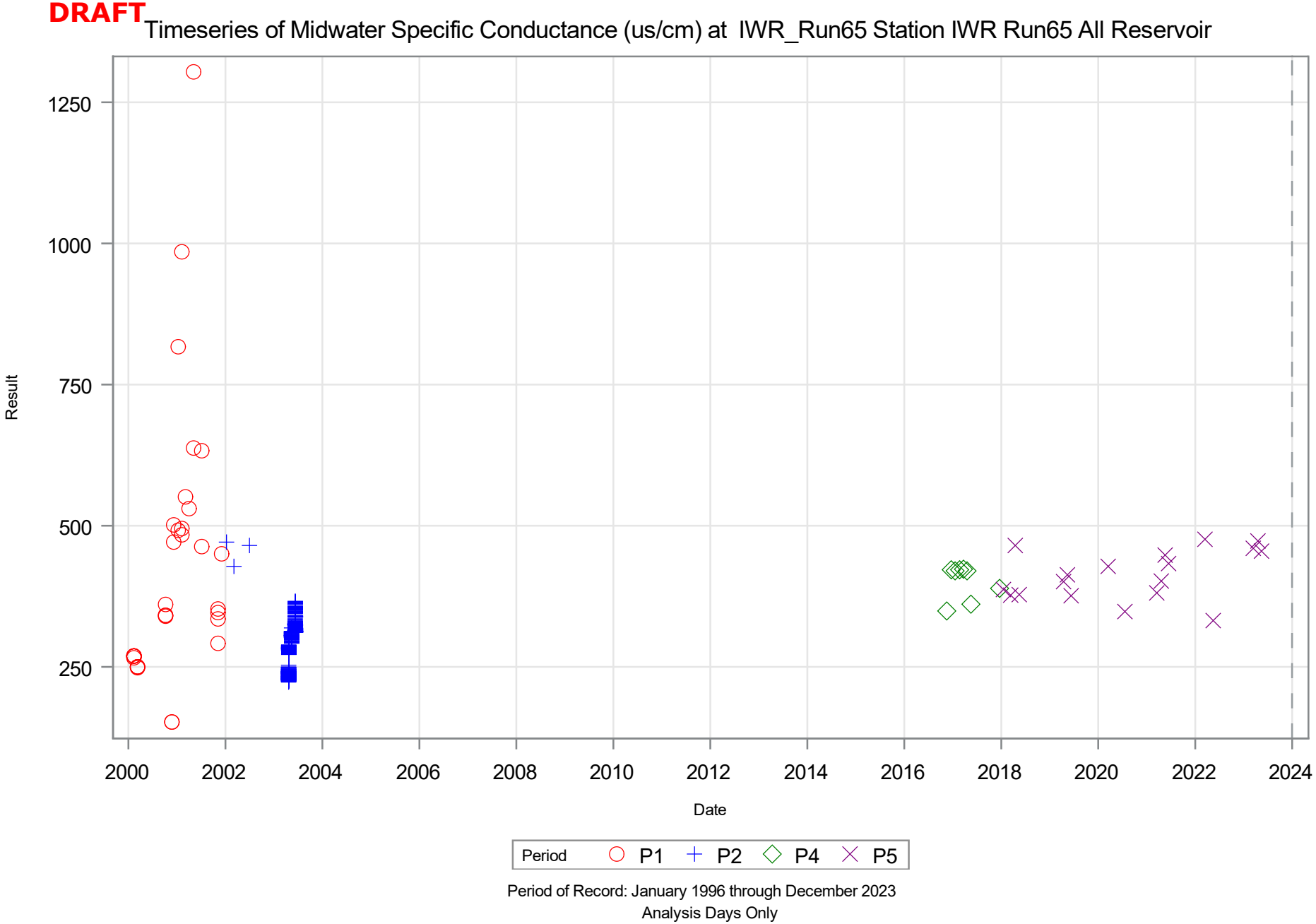
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir



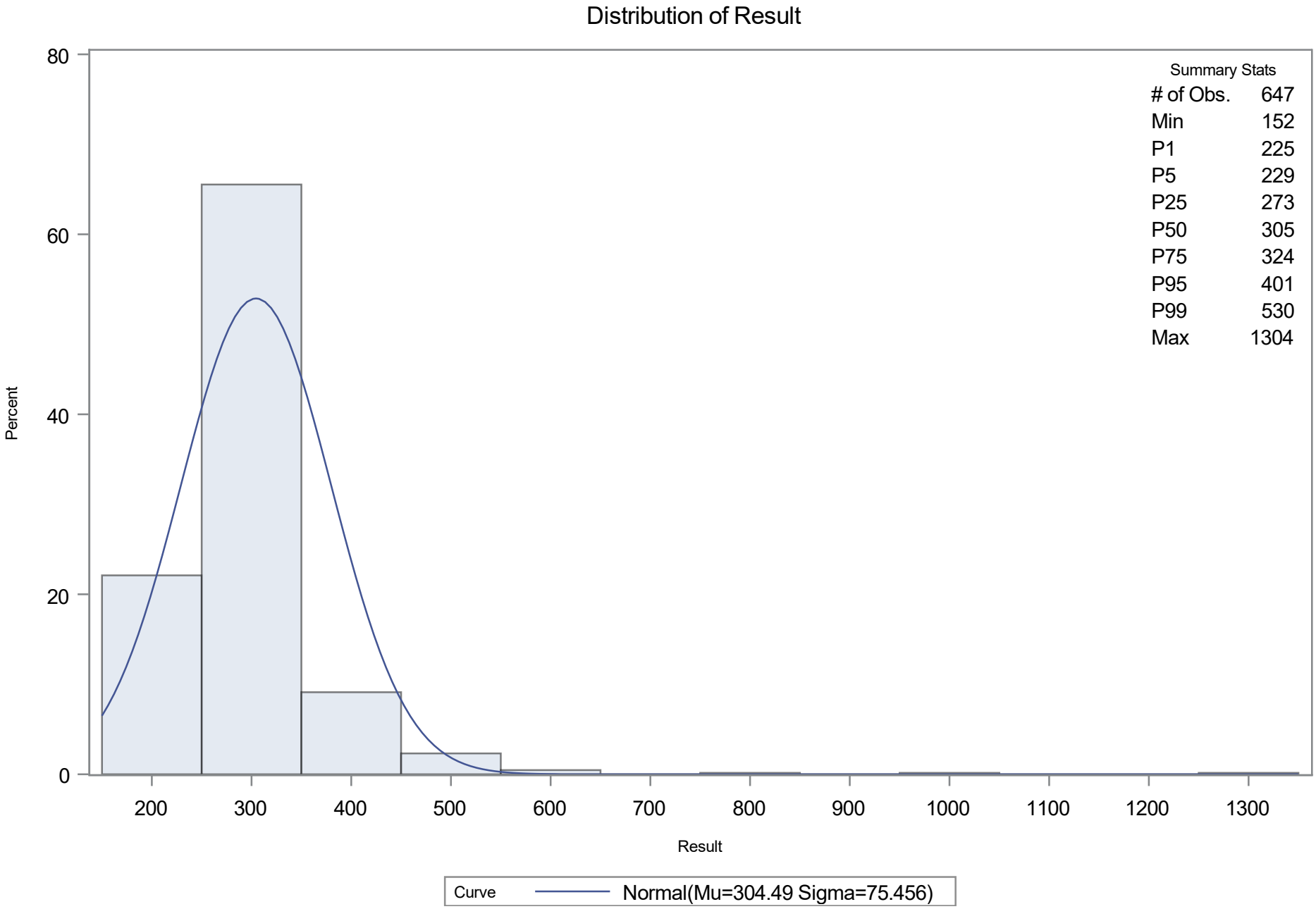
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir
Result
1250
1000
750
500
250
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	304.4884
Std Dev	Sigma	75.45566

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1922028	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	5.9429505	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	35.5823253	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	225.000	128.952
5.0	229.000	180.375
10.0	234.000	207.788
25.0	273.000	253.594
50.0	305.000	304.488
75.0	324.000	355.382
90.0	356.000	401.189
95.0	401.000	428.602
99.0	530.000	480.025

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

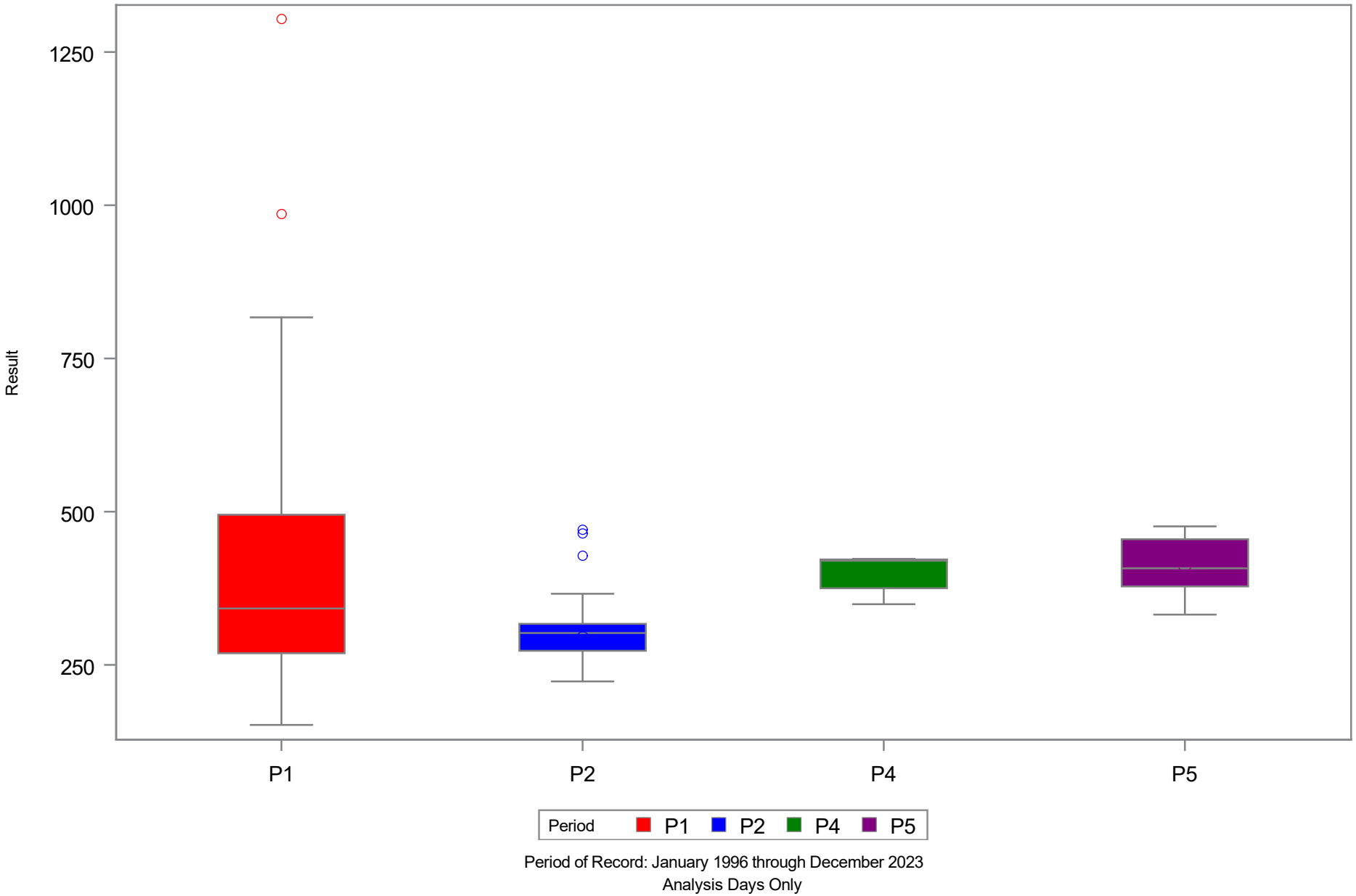
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	35	152.00	269.00	420.23	342.00	495.00	1304.00
P2	586	223.00	273.00	292.93	302.00	317.00	471.00
P4	8	349.00	375.00	400.75	420.00	422.00	423.00
P5	18	332.00	378.00	412.94	407.50	455.00	476.00

Period of Record: January 1996 through December 2023
Analysis Days Only

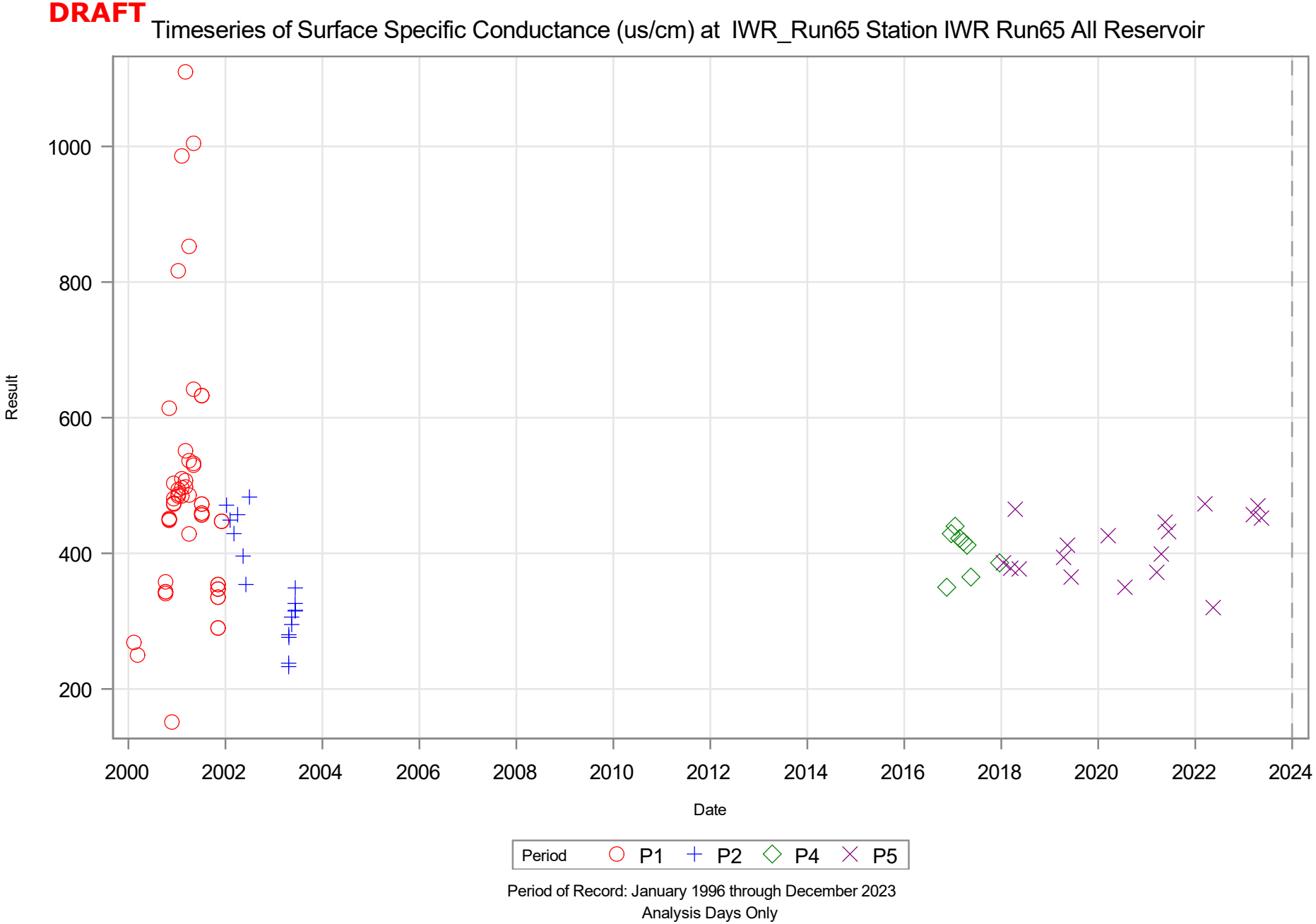
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir



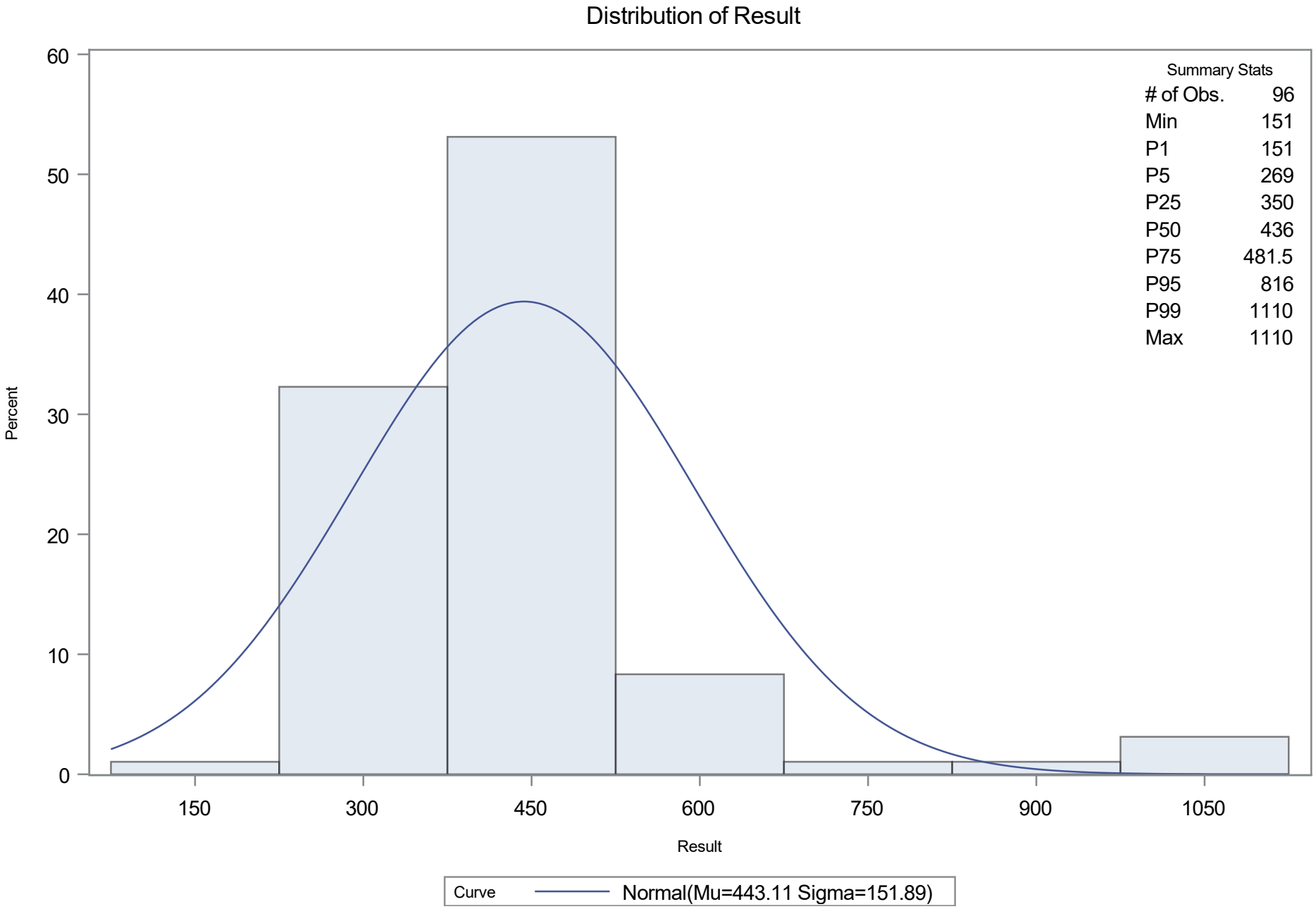
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir
Result
1000
800
600
400
200
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	443.1146
Std Dev	Sigma	151.8862

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19441964	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.76062024	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.69534882	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	151.000	89.7744
5.0	269.000	193.2840
10.0	295.000	248.4645
25.0	350.000	340.6689
50.0	436.000	443.1146
75.0	481.500	545.5603
90.0	551.000	637.7646
95.0	816.000	692.9452
99.0	1110.000	796.4548

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

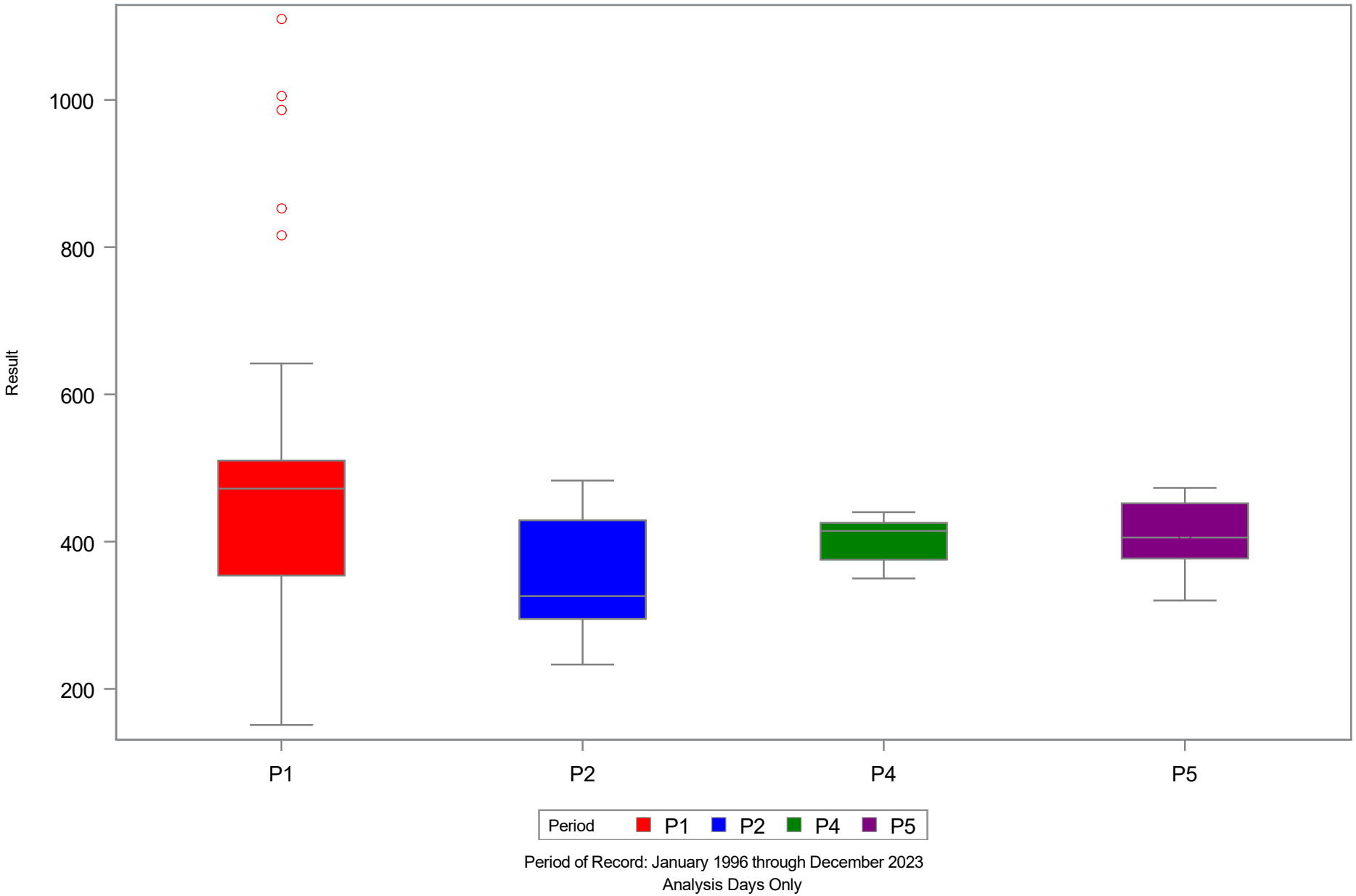
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	53	151.00	354.00	490.02	472.00	510.00	1110.00
P2	17	233.00	295.00	351.35	326.00	429.00	483.00
P4	8	350.00	375.50	402.63	414.50	425.50	440.00
P5	18	320.00	377.00	409.67	405.50	452.00	473.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

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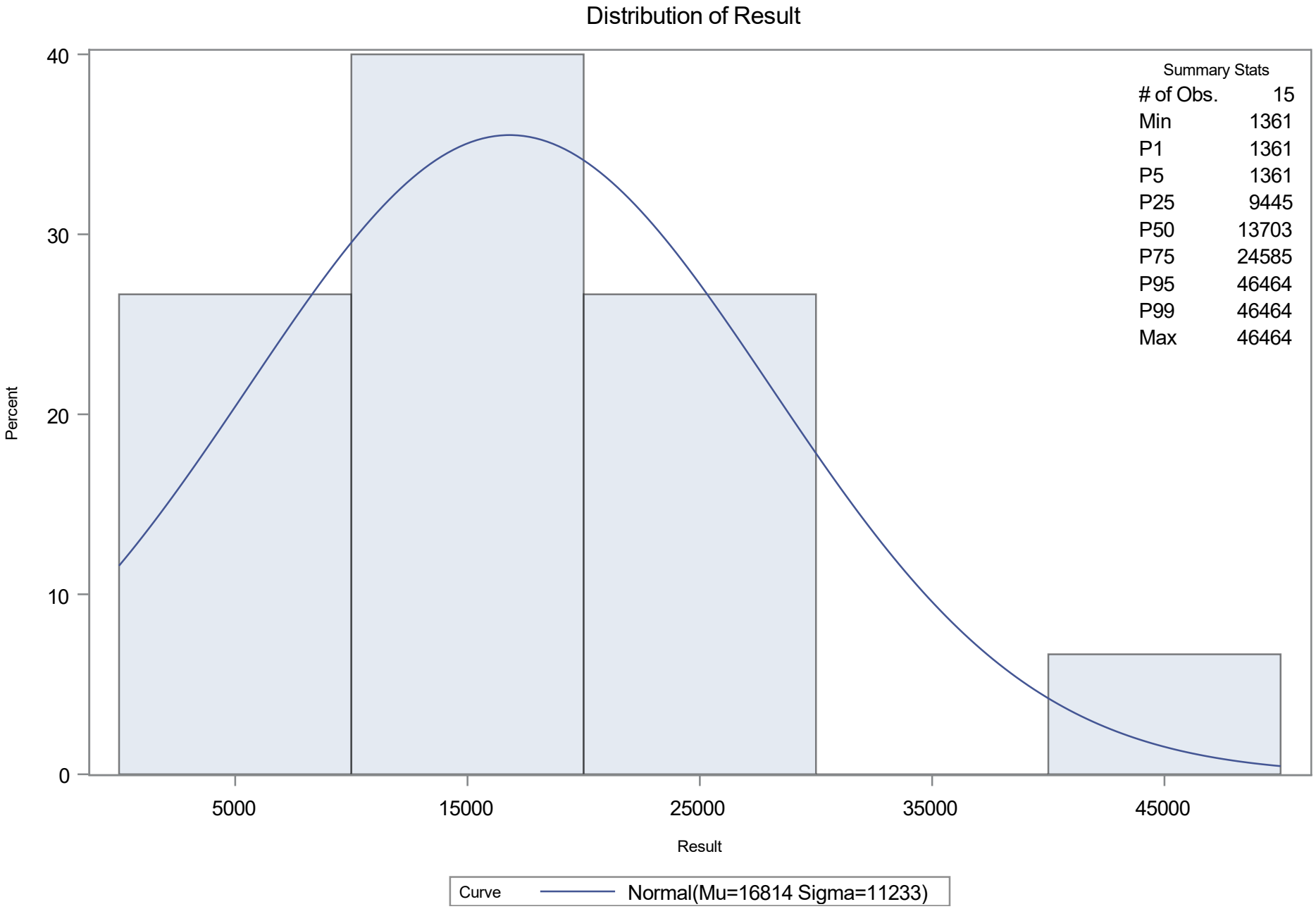
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16813.87
Std Dev	Sigma	11233.36

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19151412	**Pr > D**	0.142
Cramer-von Mises	**W-Sq**	0.08481537	**Pr > W-Sq**	0.170
Anderson-Darling	**A-Sq**	0.53809273	**Pr > A-Sq**	0.143

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1361.00	-9318.84
5.0	1361.00	-1663.37
10.0	4510.00	2417.74
25.0	9445.00	9237.08
50.0	13703.00	16813.87
75.0	24585.00	24390.65
90.0	26600.00	31210.00
95.0	46464.00	35291.10
99.0	46464.00	42946.57

Period of Record: January 1996 through December 2023
Analysis Days Only

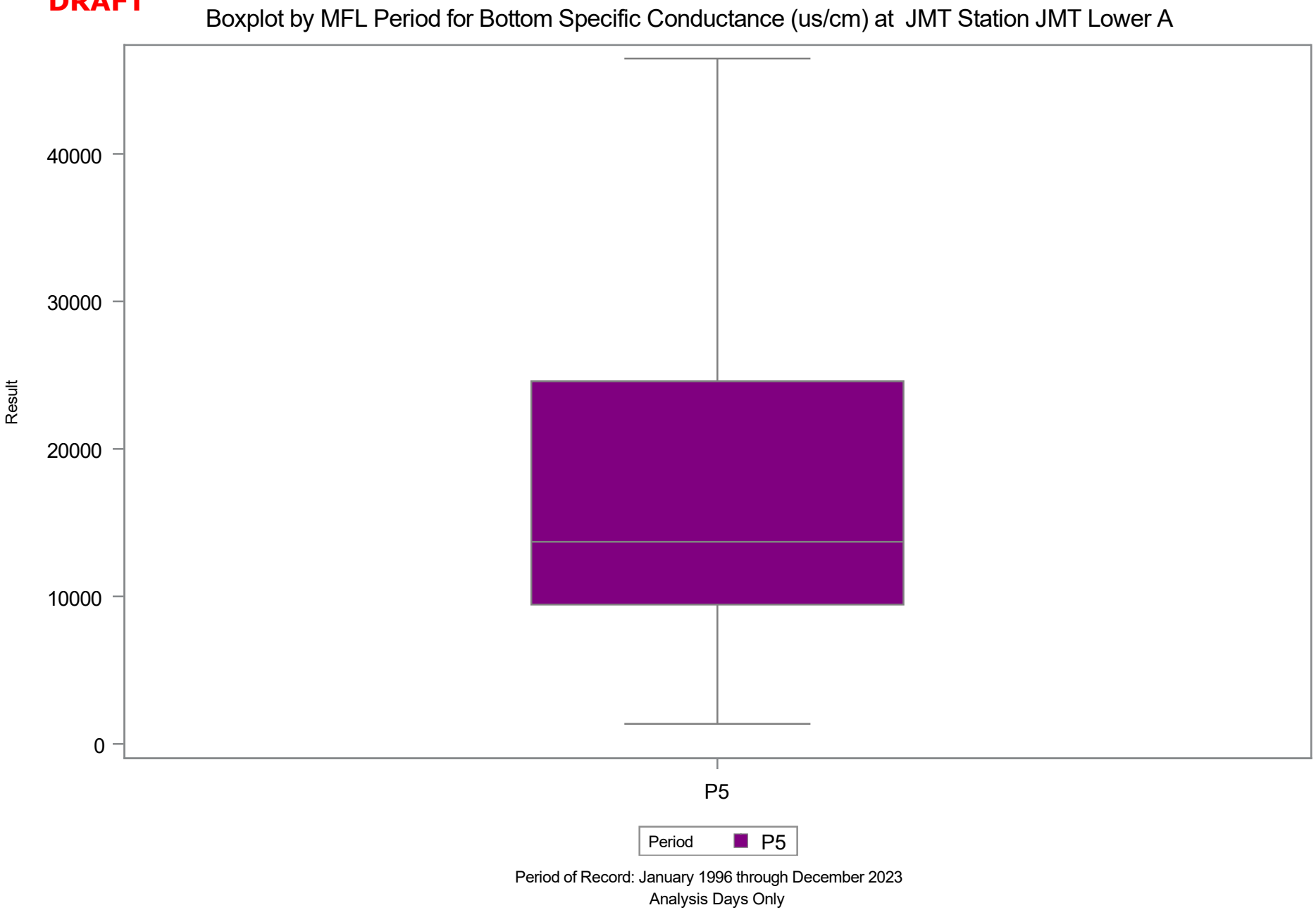
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Lower A

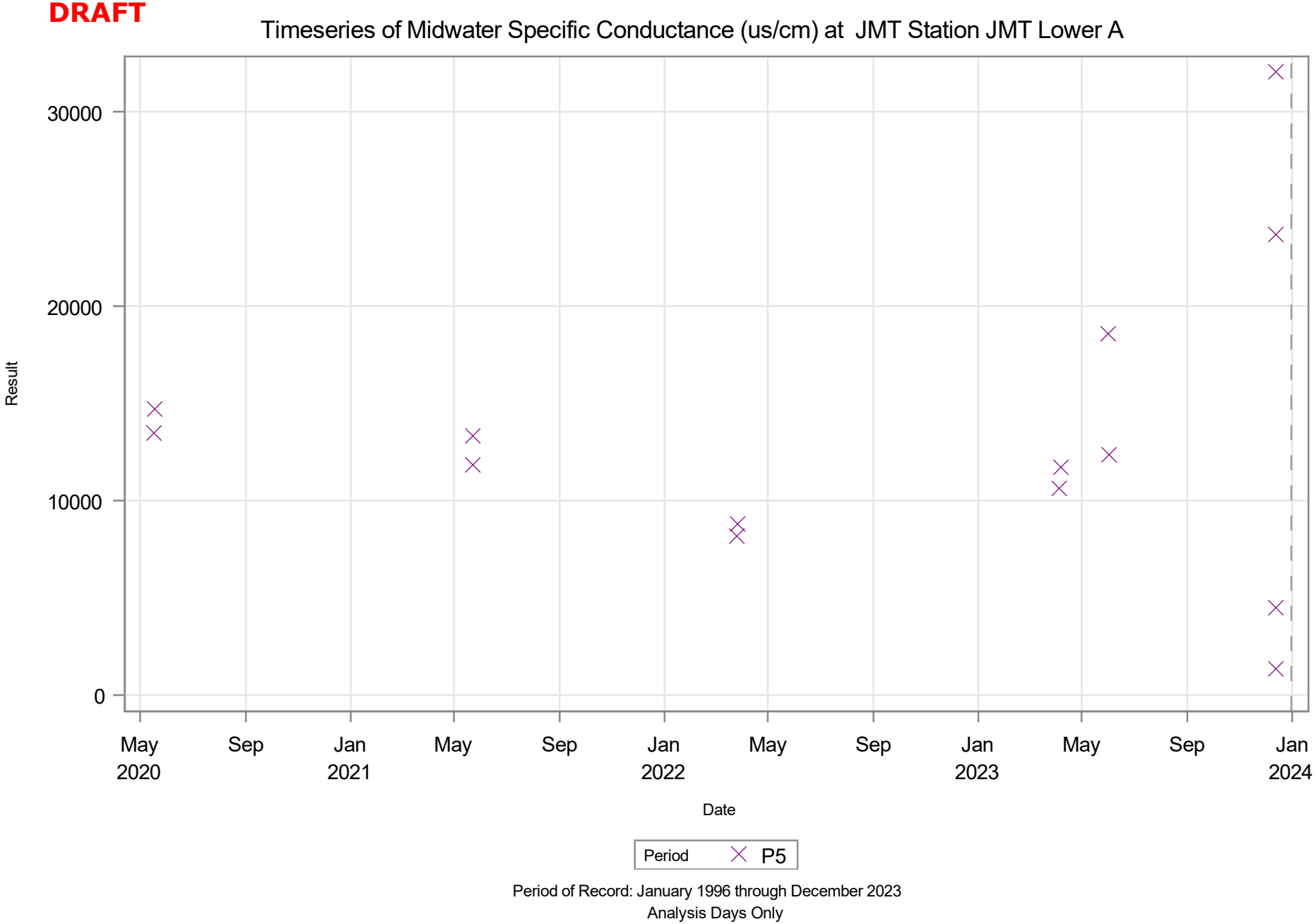
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	1361.00	9445.00	16813.87	13703.00	24585.00	46464.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Lower A
Result
40000
30000
20000
10000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

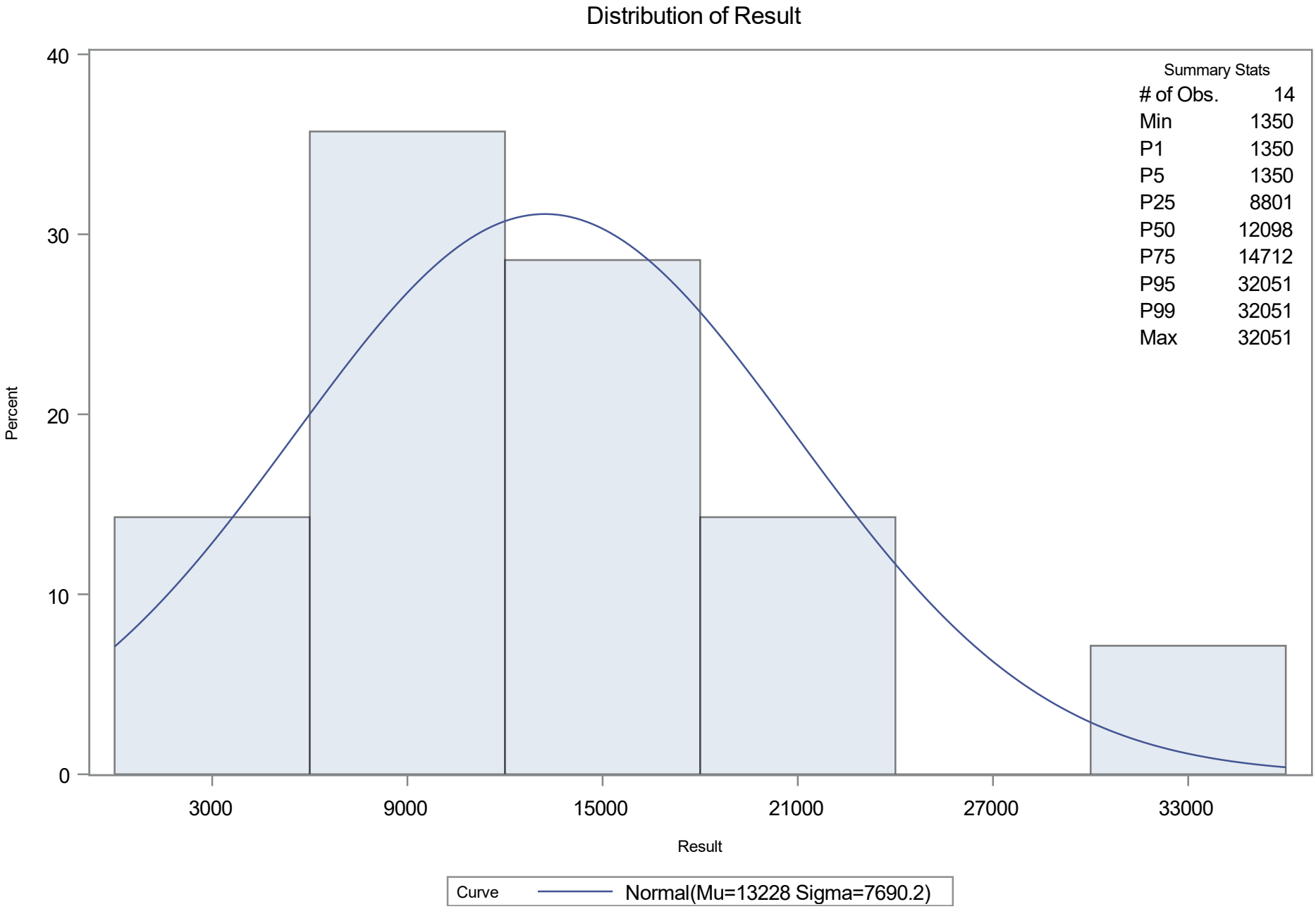
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13228.07
Std Dev	Sigma	7690.194

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20920797	**Pr > D**	0.094
Cramer-von Mises	**W-Sq**	0.09818812	**Pr > W-Sq**	0.109
Anderson-Darling	**A-Sq**	0.53246280	**Pr > A-Sq**	0.146

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1350.00	-4661.996
5.0	1350.00	578.827
10.0	4494.00	3372.691
25.0	8801.00	8041.114
50.0	12098.00	13228.071
75.0	14712.00	18415.029
90.0	23685.00	23083.452
95.0	32051.00	25877.315
99.0	32051.00	31118.139

Period of Record: January 1996 through December 2023
Analysis Days Only

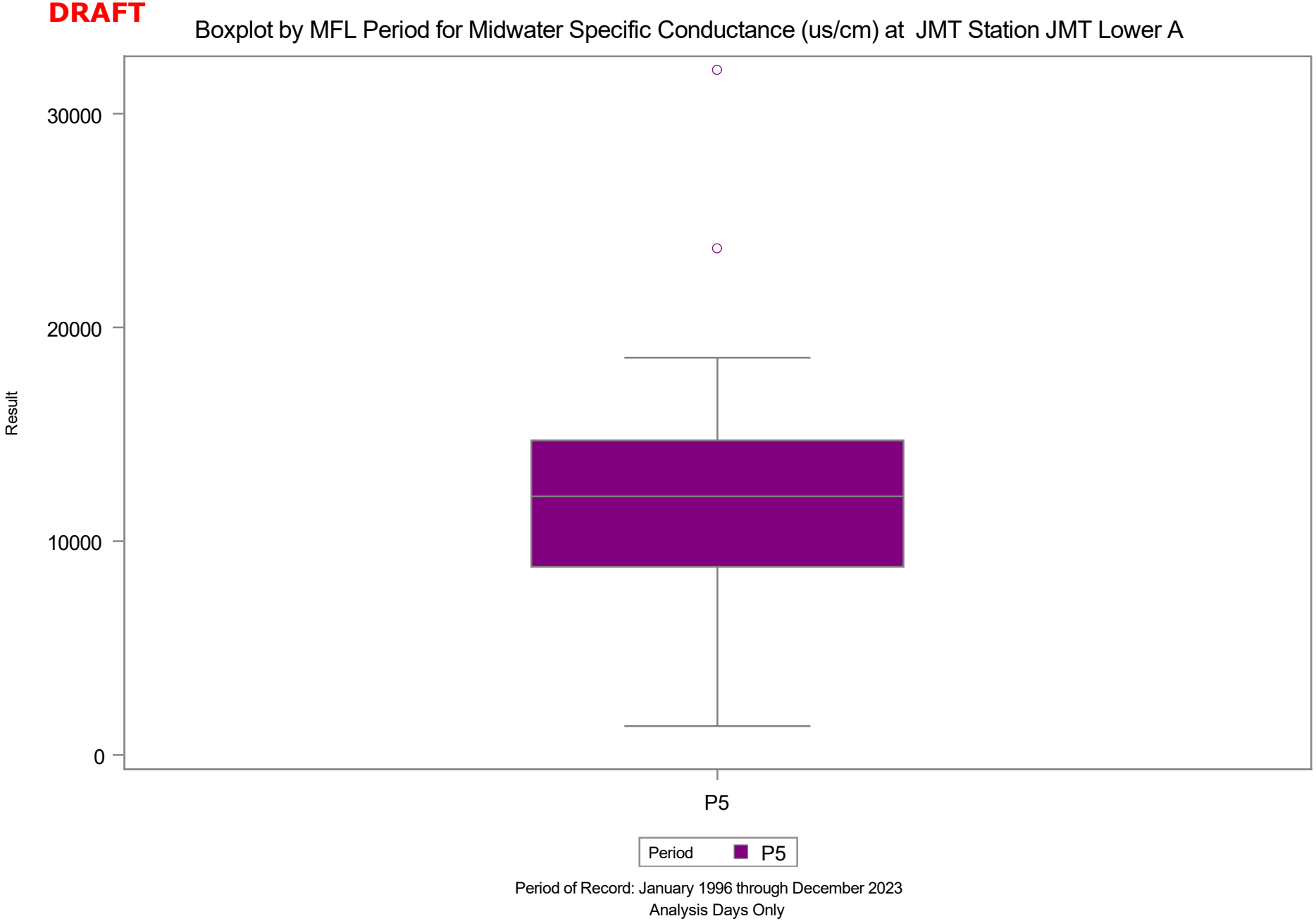
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Lower A

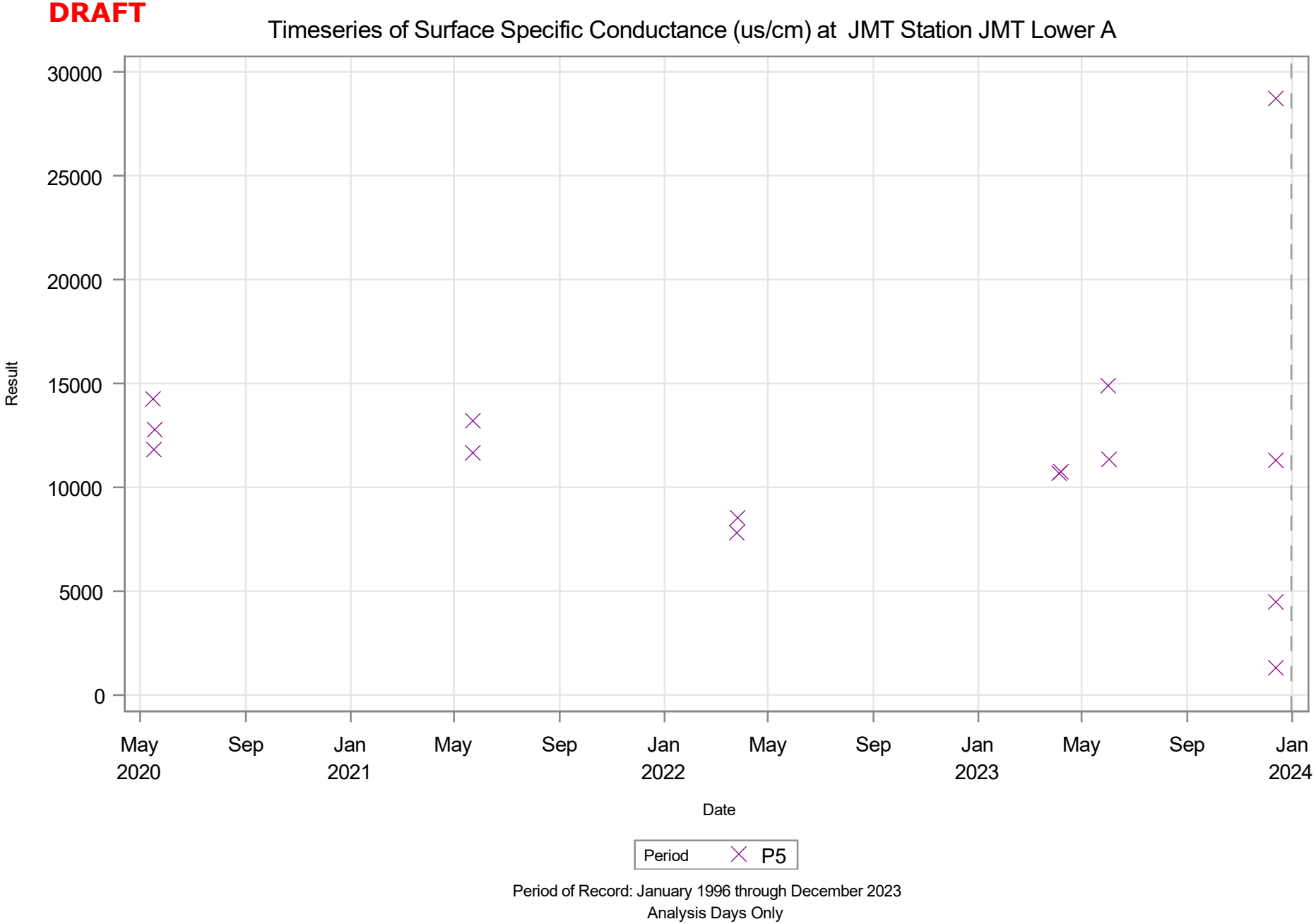
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1350.00	8801.00	13228.07	12098.00	14712.00	32051.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

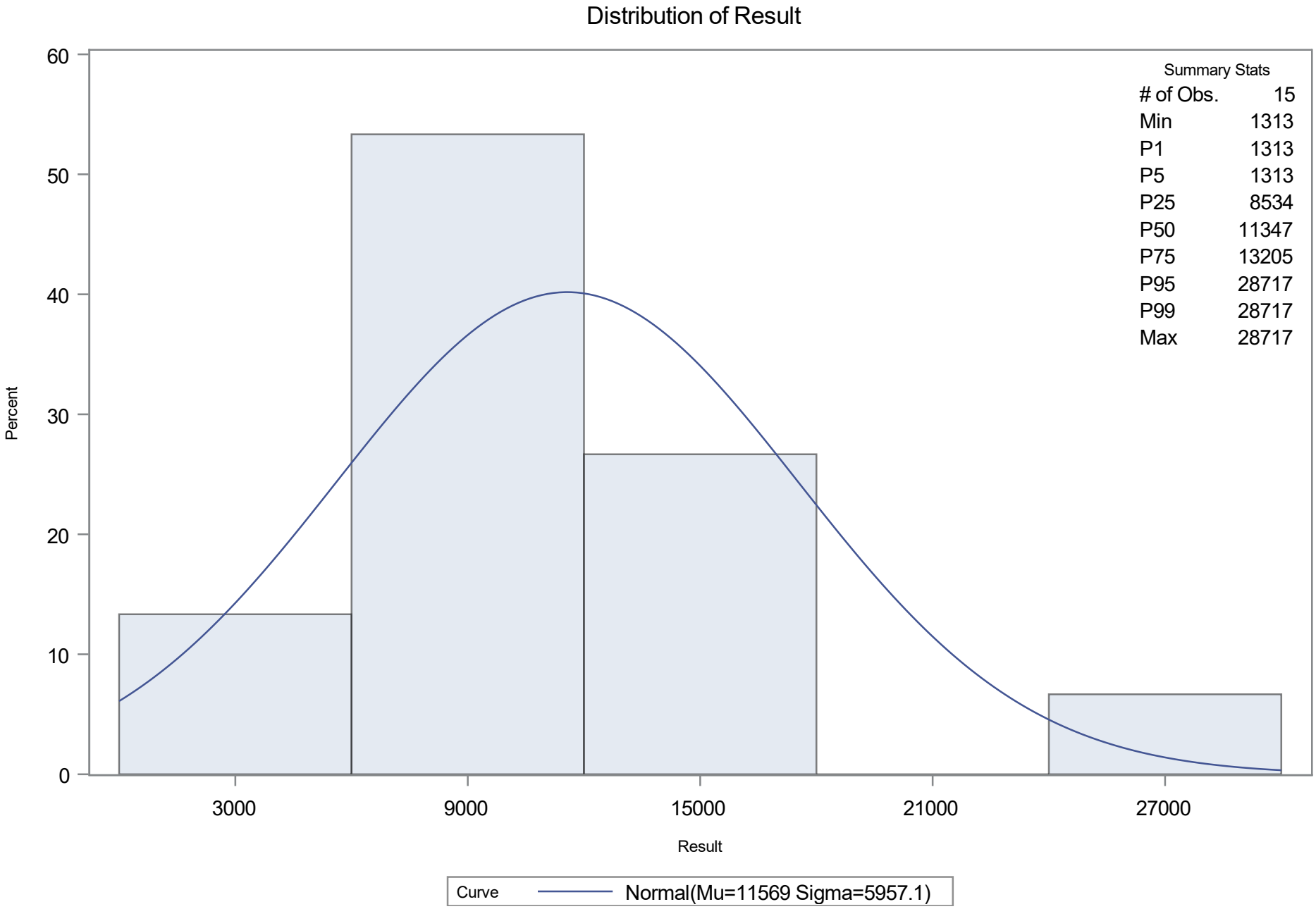

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Lower A
Result
30000
20000
10000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Lower A
Result
30000
25000
20000
15000
10000
5000
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11569.2
Std Dev	Sigma	5957.12

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22177118	**Pr > D**	0.046
Cramer-von Mises	**W-Sq**	0.16771212	**Pr > W-Sq**	0.012
Anderson-Darling	**A-Sq**	0.97058398	**Pr > A-Sq**	0.011

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1313.00	-2289.13
5.0	1313.00	1770.61
10.0	4484.00	3934.84
25.0	8534.00	7551.18
50.0	11347.00	11569.20
75.0	13205.00	15587.22
90.0	14893.00	19203.56
95.0	28717.00	21367.79
99.0	28717.00	25427.53

Period of Record: January 1996 through December 2023
Analysis Days Only

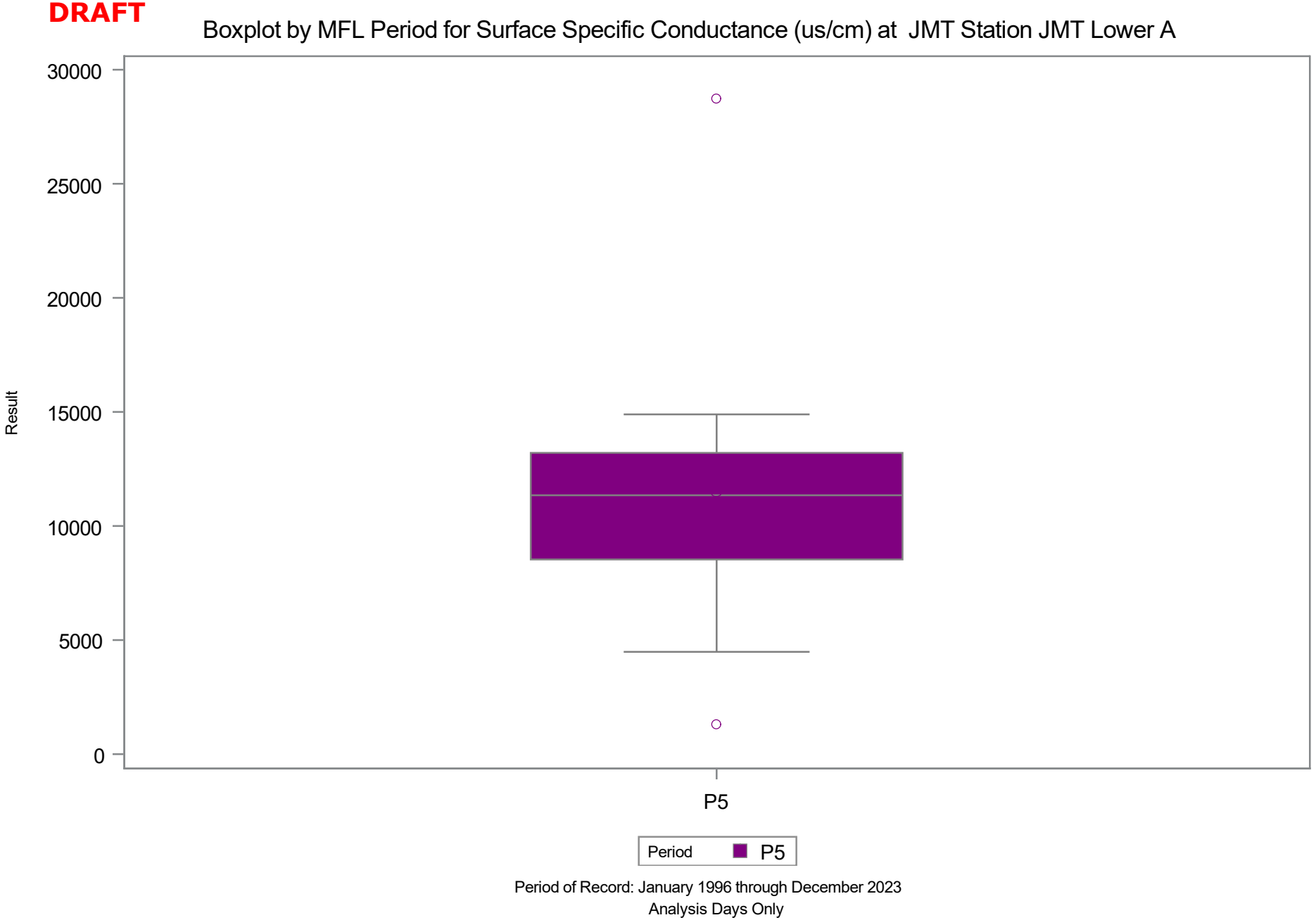
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Lower A

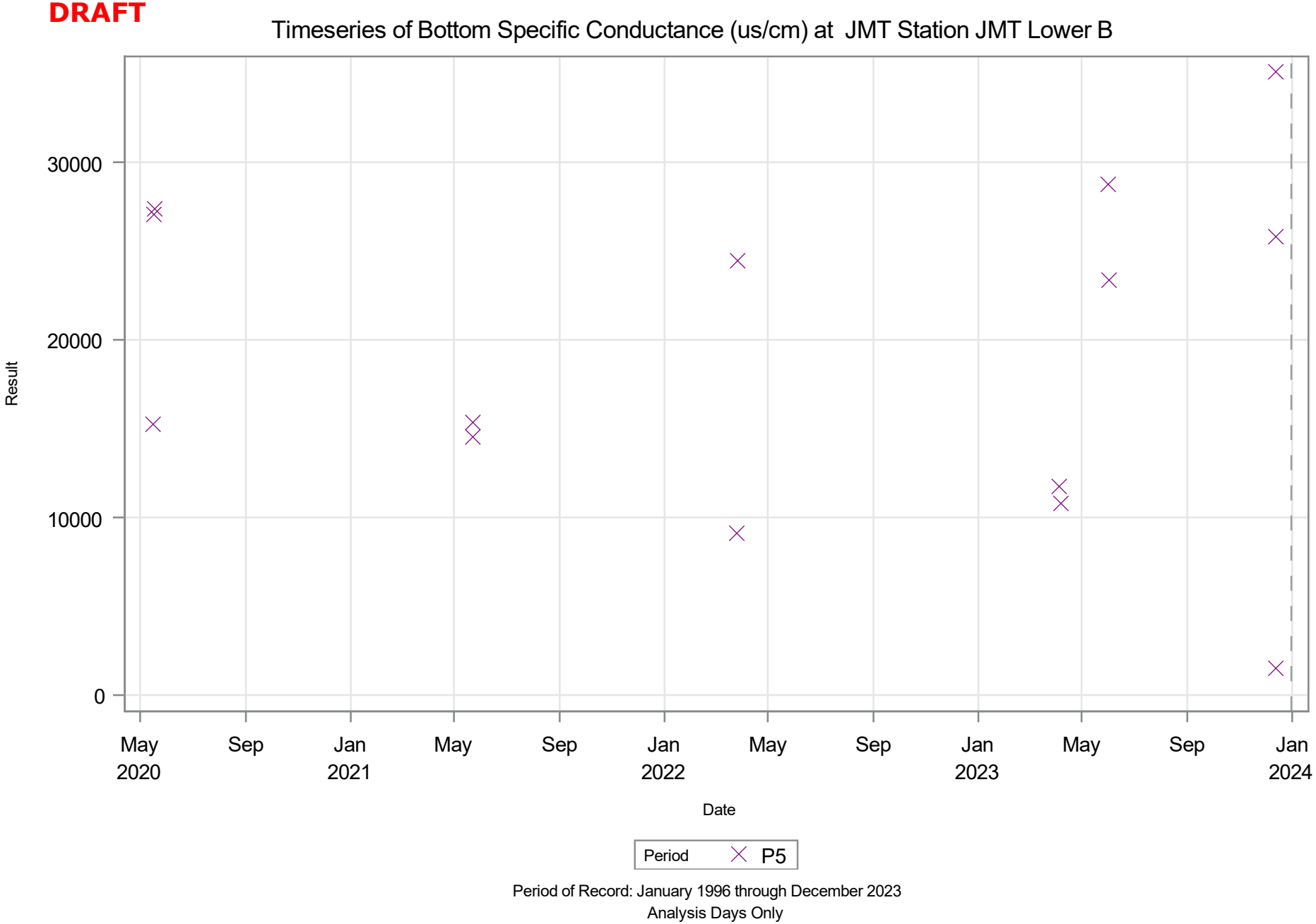
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	1313.00	8534.00	11569.20	11347.00	13205.00	28717.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Lower A
Result
30000
25000
20000
15000
10000
5000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

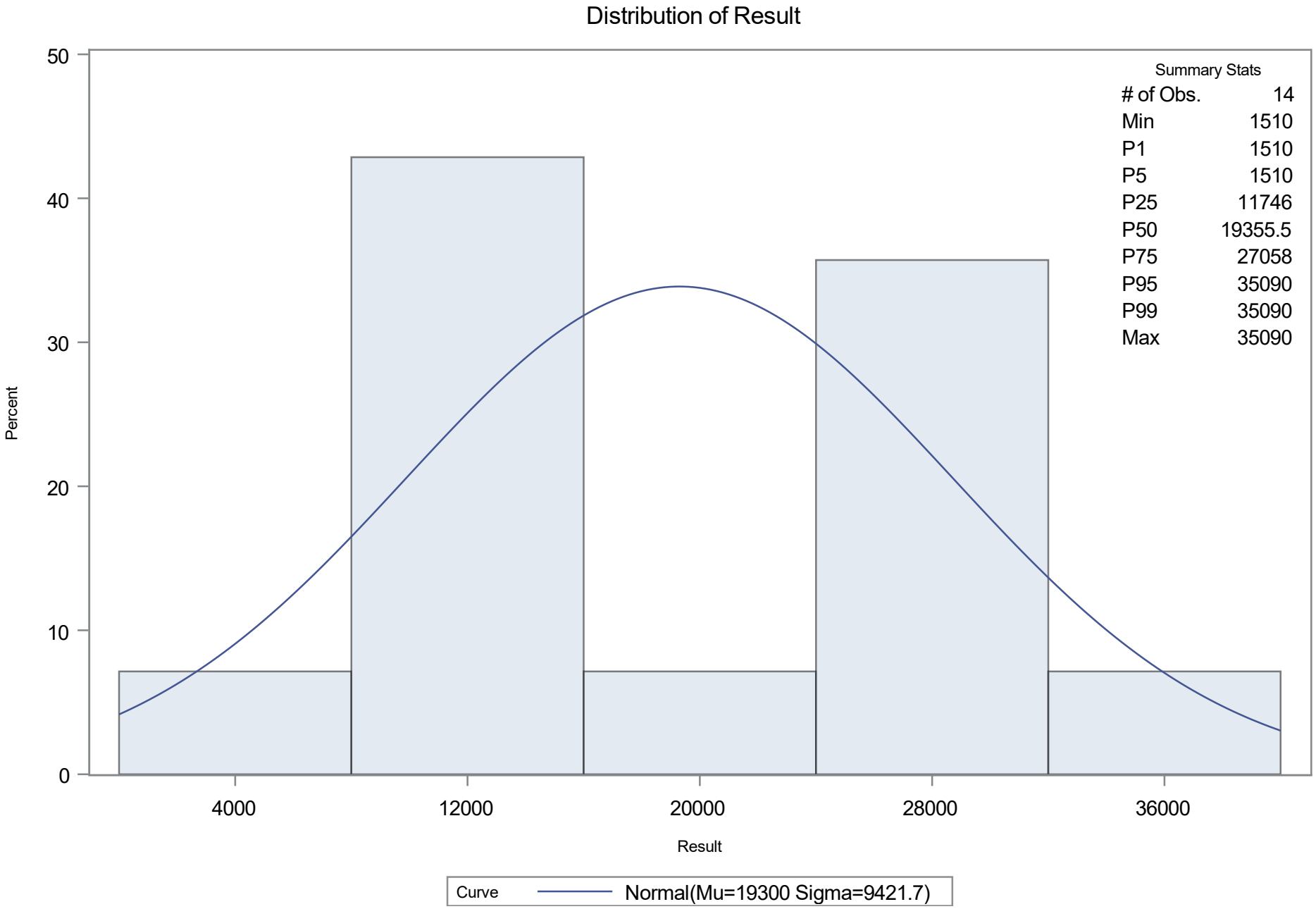
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	19299.5
Std Dev	Sigma	9421.653

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16675685	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06652946	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35078045	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1510.00	-2618.54
5.0	1510.00	3802.26
10.0	9112.00	7225.17
25.0	11746.00	12944.69
50.0	19355.50	19299.50
75.0	27058.00	25654.31
90.0	28756.00	31373.83
95.0	35090.00	34796.74
99.0	35090.00	41217.54

Period of Record: January 1996 through December 2023
Analysis Days Only

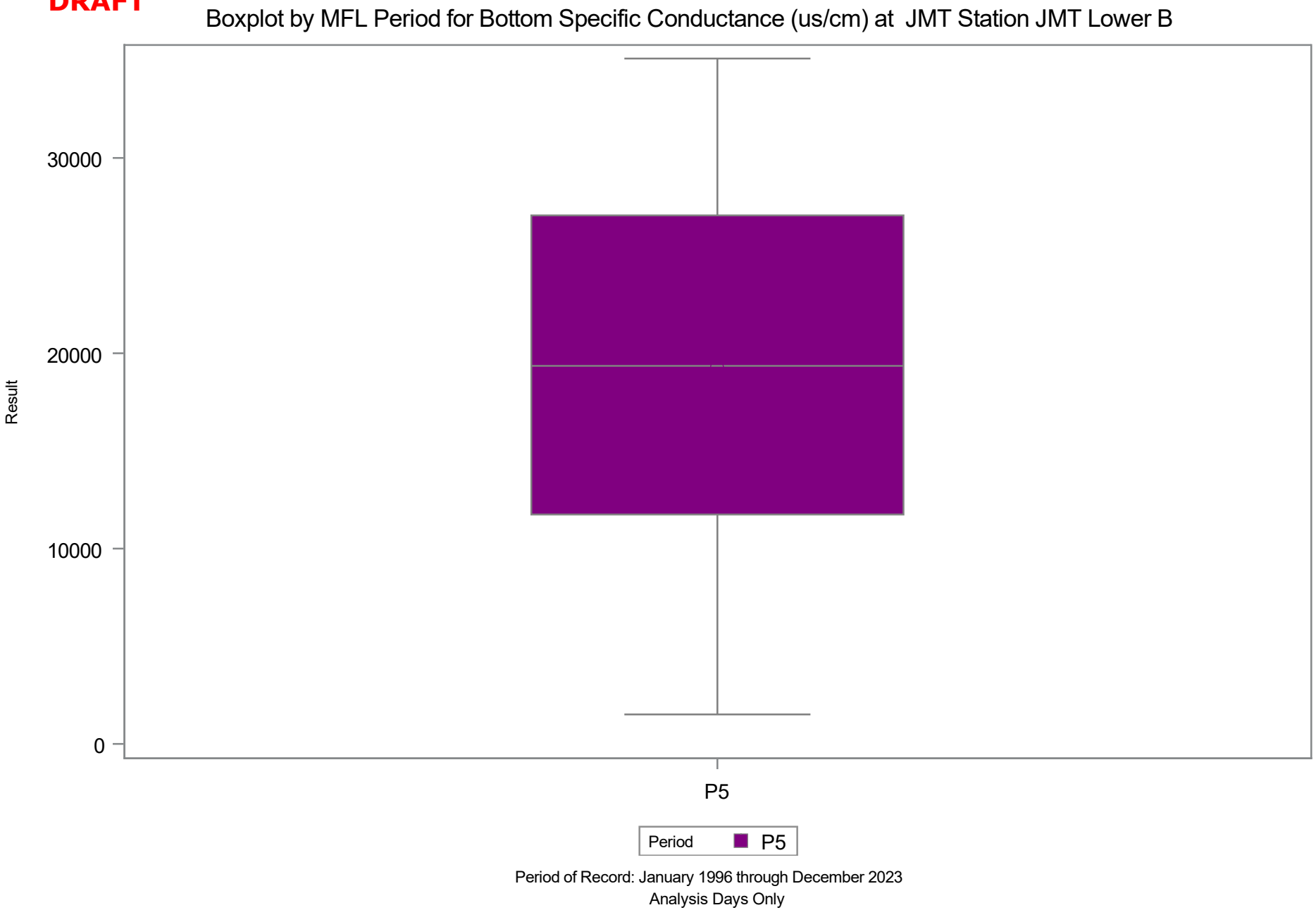
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Lower B

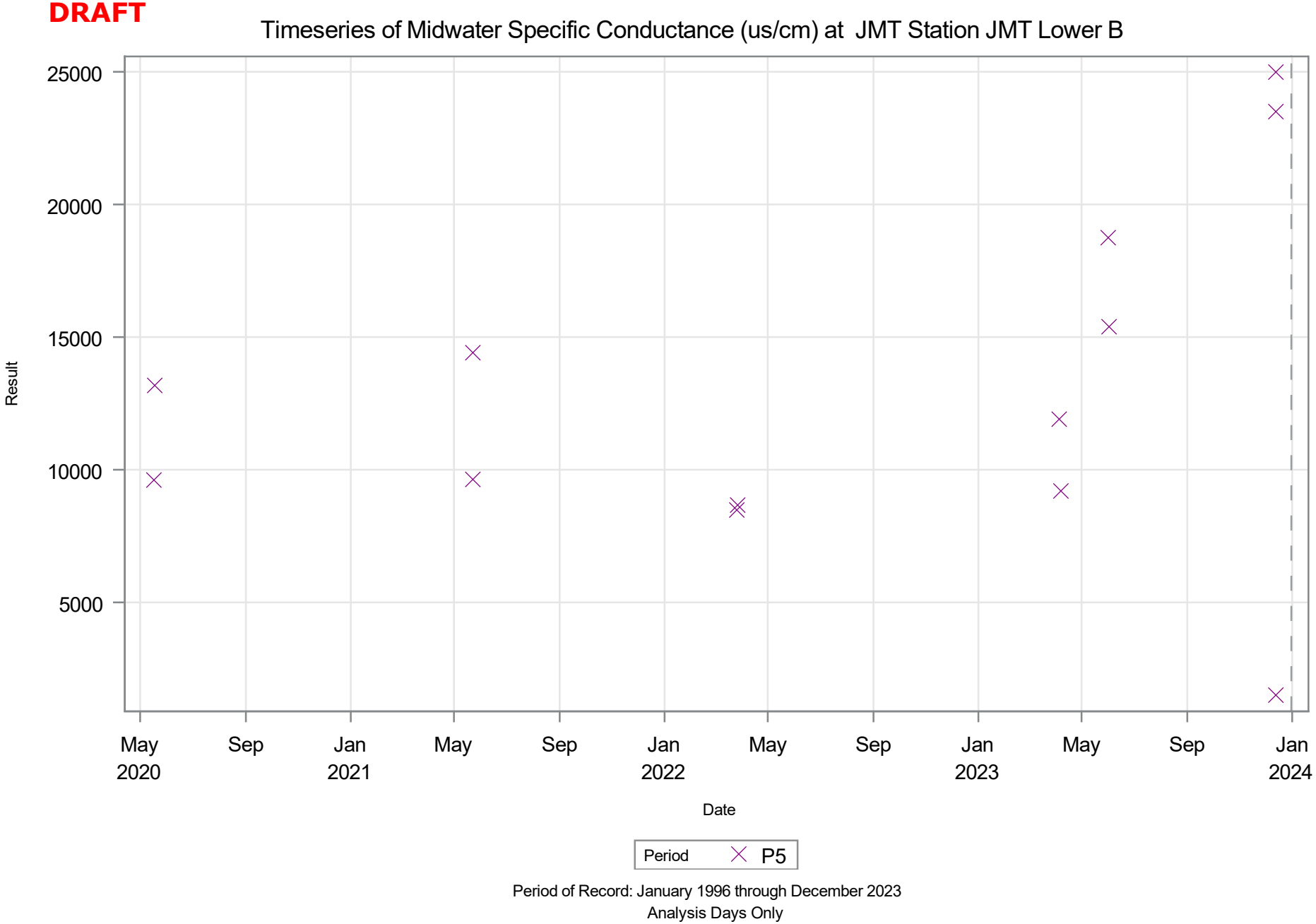
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1510.00	11746.00	19299.50	19355.50	27058.00	35090.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

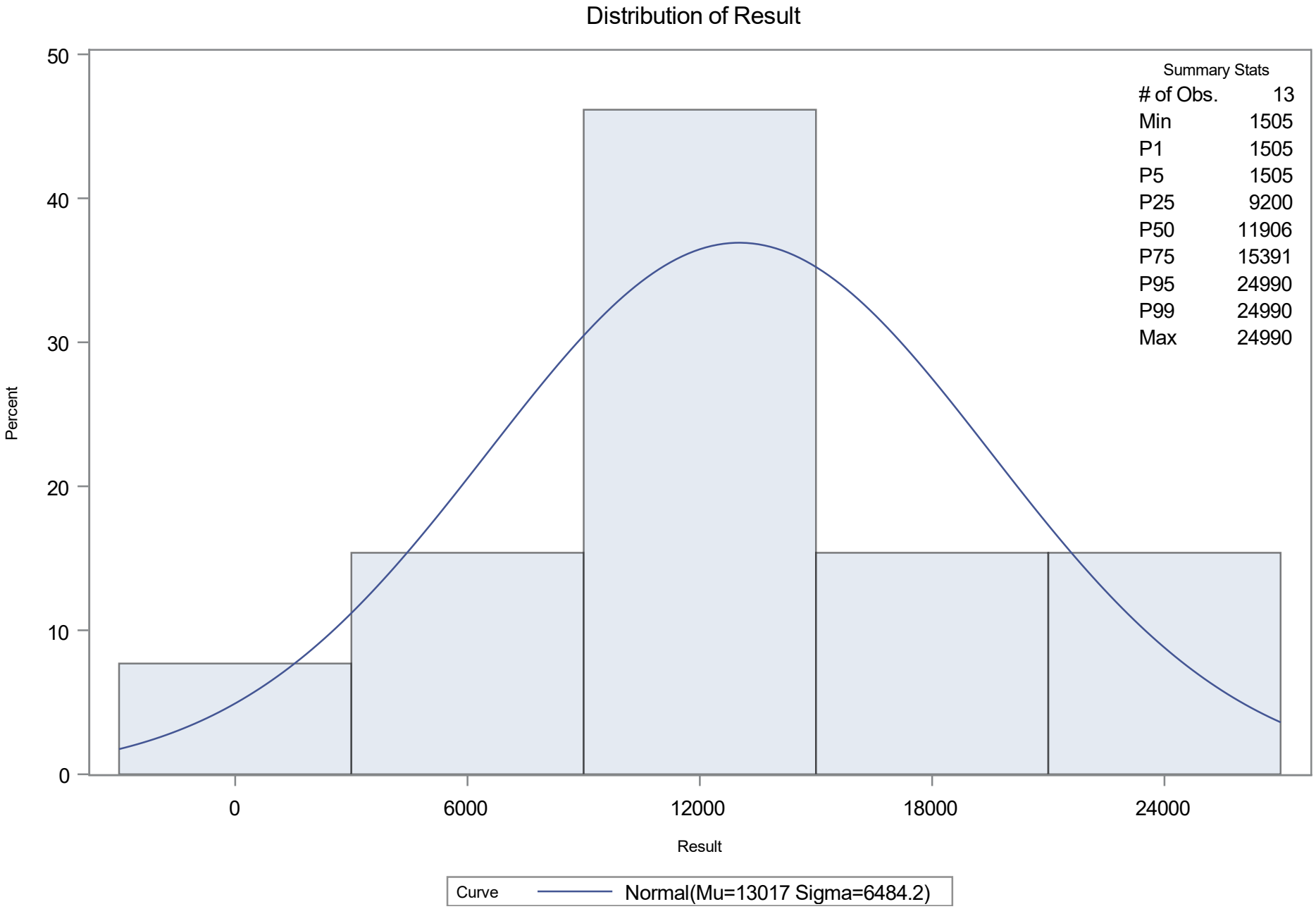

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Lower B
Result
30000
20000
10000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at JMT Station JMT Lower B
Result
25000
20000
15000
10000
5000
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13017.46
Std Dev	Sigma	6484.212

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16520853	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06861195	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41341294	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1505.00	-2067.07
5.0	1505.00	2351.88
10.0	8482.00	4707.61
25.0	9200.00	8643.93
50.0	11906.00	13017.46
75.0	15391.00	17391.00
90.0	23500.00	21327.31
95.0	24990.00	23683.04
99.0	24990.00	28102.00

Period of Record: January 1996 through December 2023
Analysis Days Only

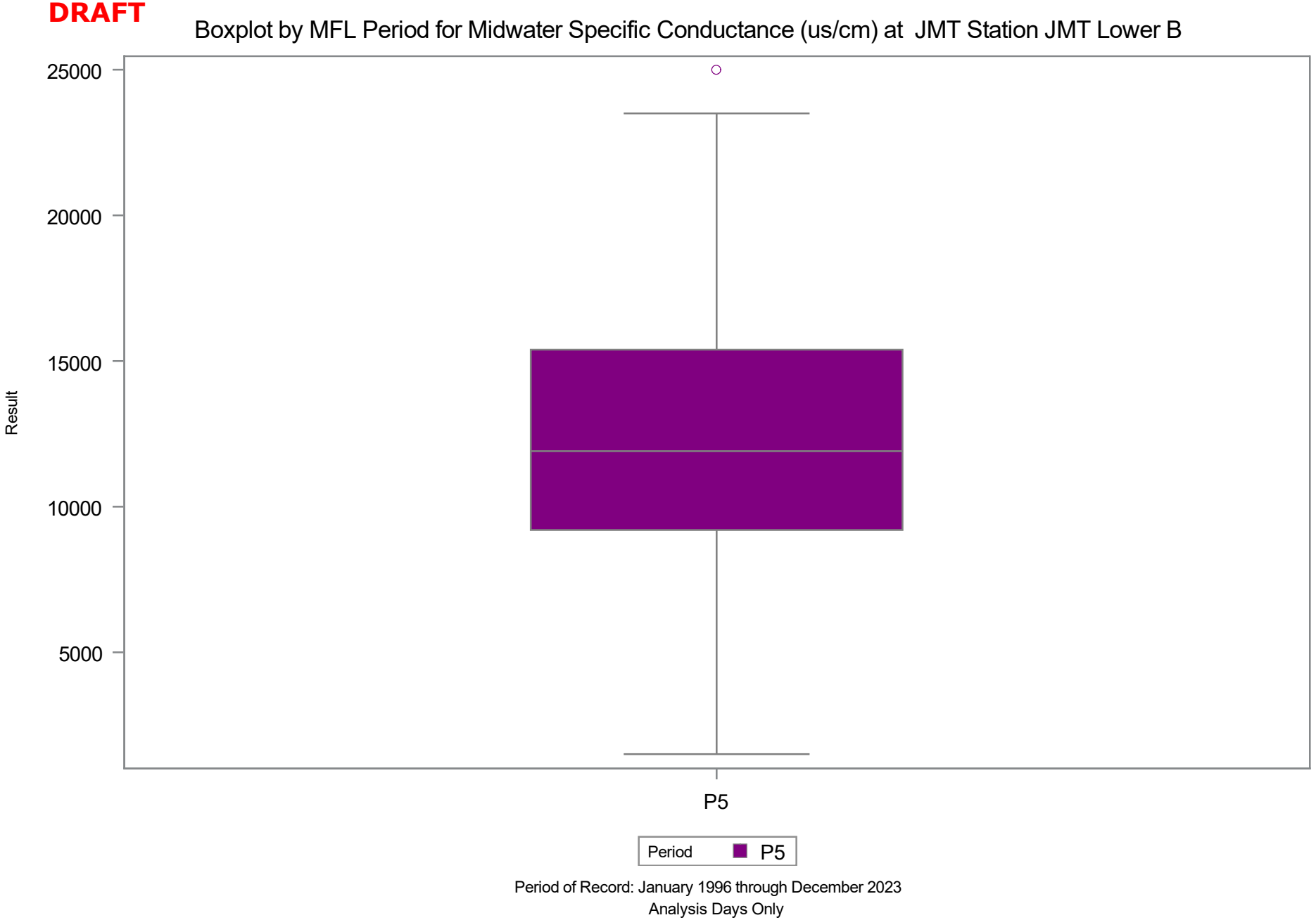
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Lower B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	1505.00	9200.00	13017.46	11906.00	15391.00	24990.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

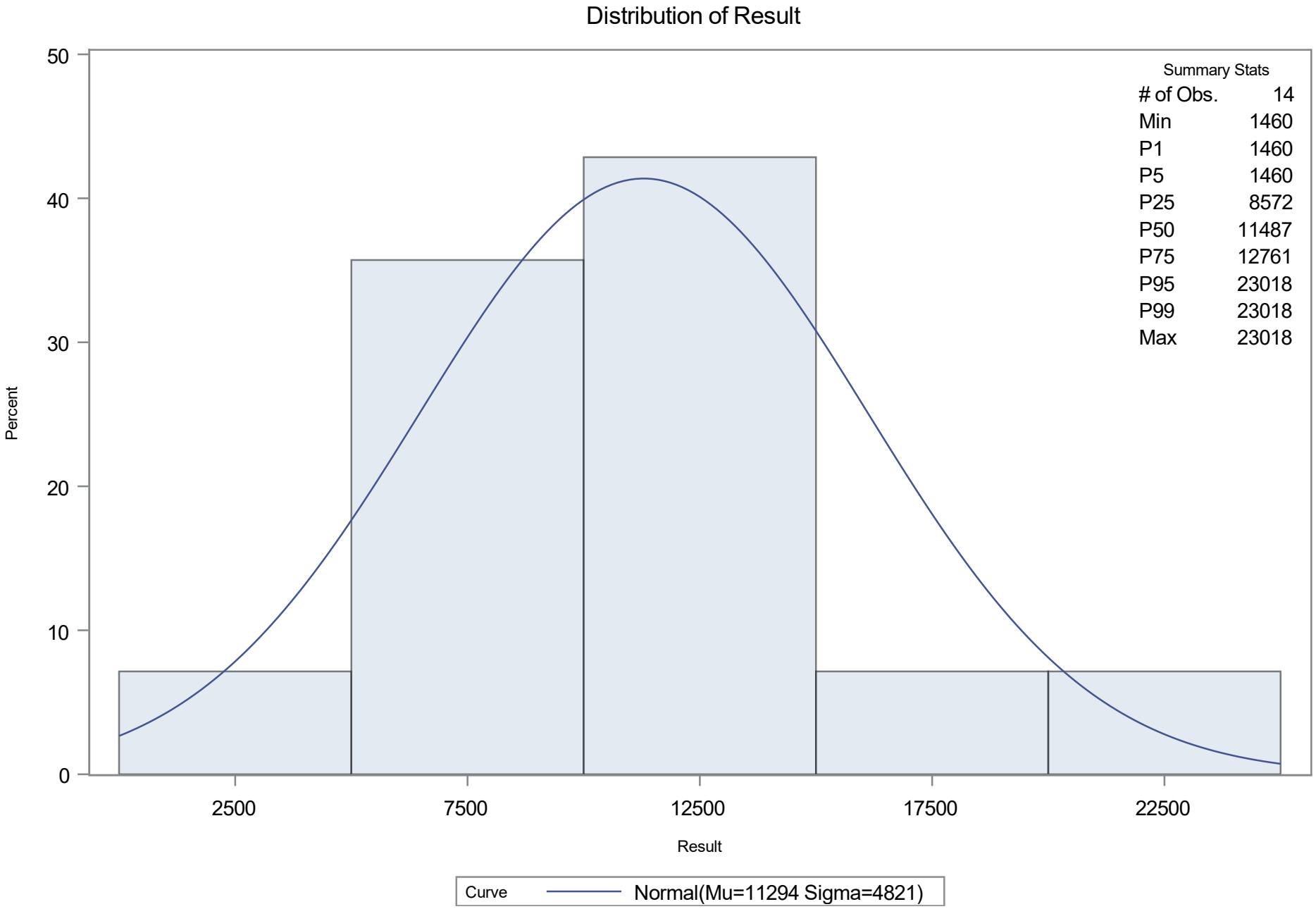

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Lower B
25000
20000
15000
10000
5000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Lower B
Result
20000
15000
10000
5000
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11293.93
Std Dev	Sigma	4821.045

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17344633	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08074111	**Pr > W-Sq**	0.193
Anderson-Darling	**A-Sq**	0.52929638	**Pr > A-Sq**	0.148

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1460.00	78.5010
5.0	1460.00	3364.0154
10.0	7964.00	5115.5109
25.0	8572.00	8042.1832
50.0	11487.00	11293.9286
75.0	12761.00	14545.6739
90.0	15469.00	17472.3462
95.0	23018.00	19223.8418
99.0	23018.00	22509.3561

Period of Record: January 1996 through December 2023
Analysis Days Only

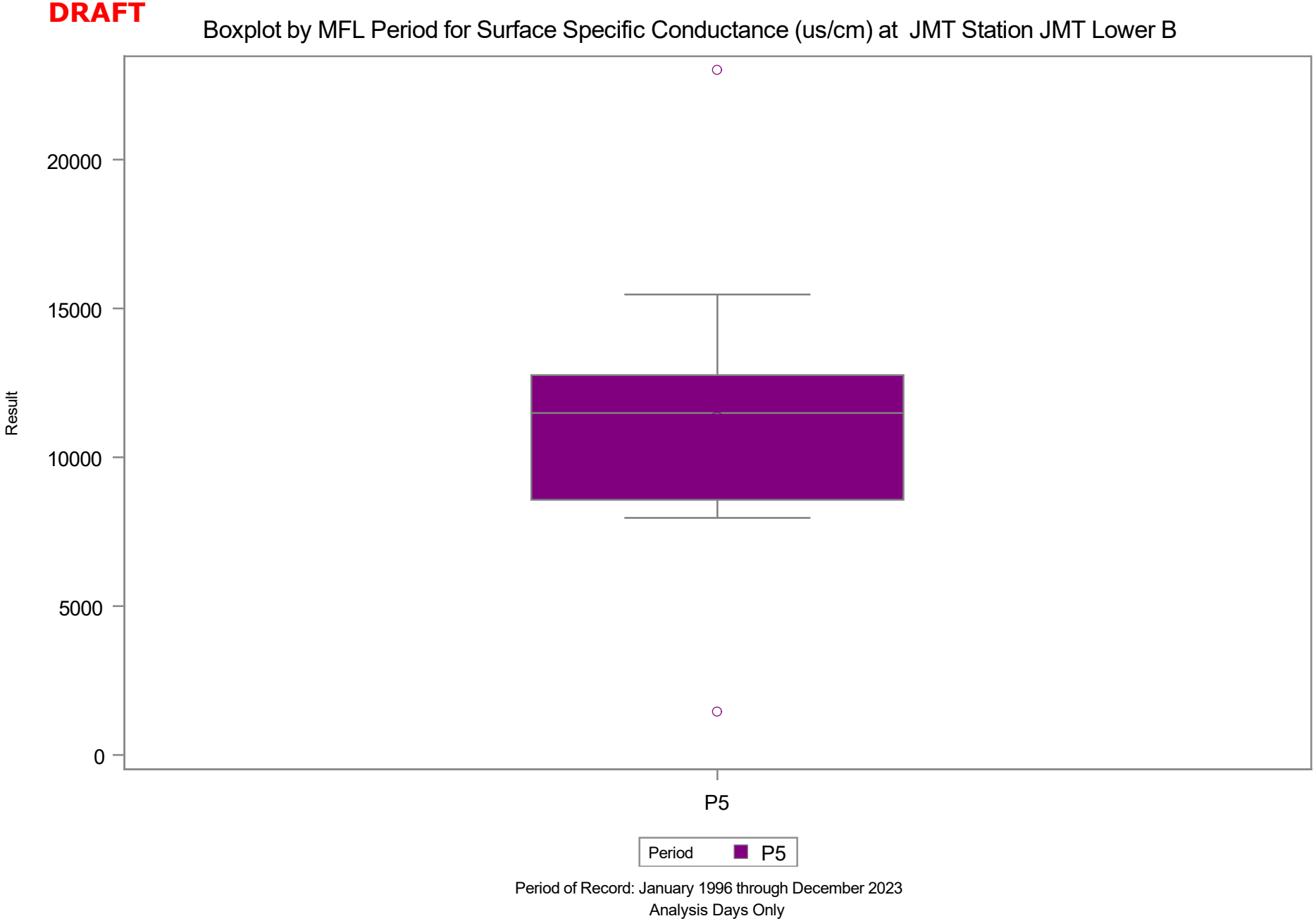
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Lower B

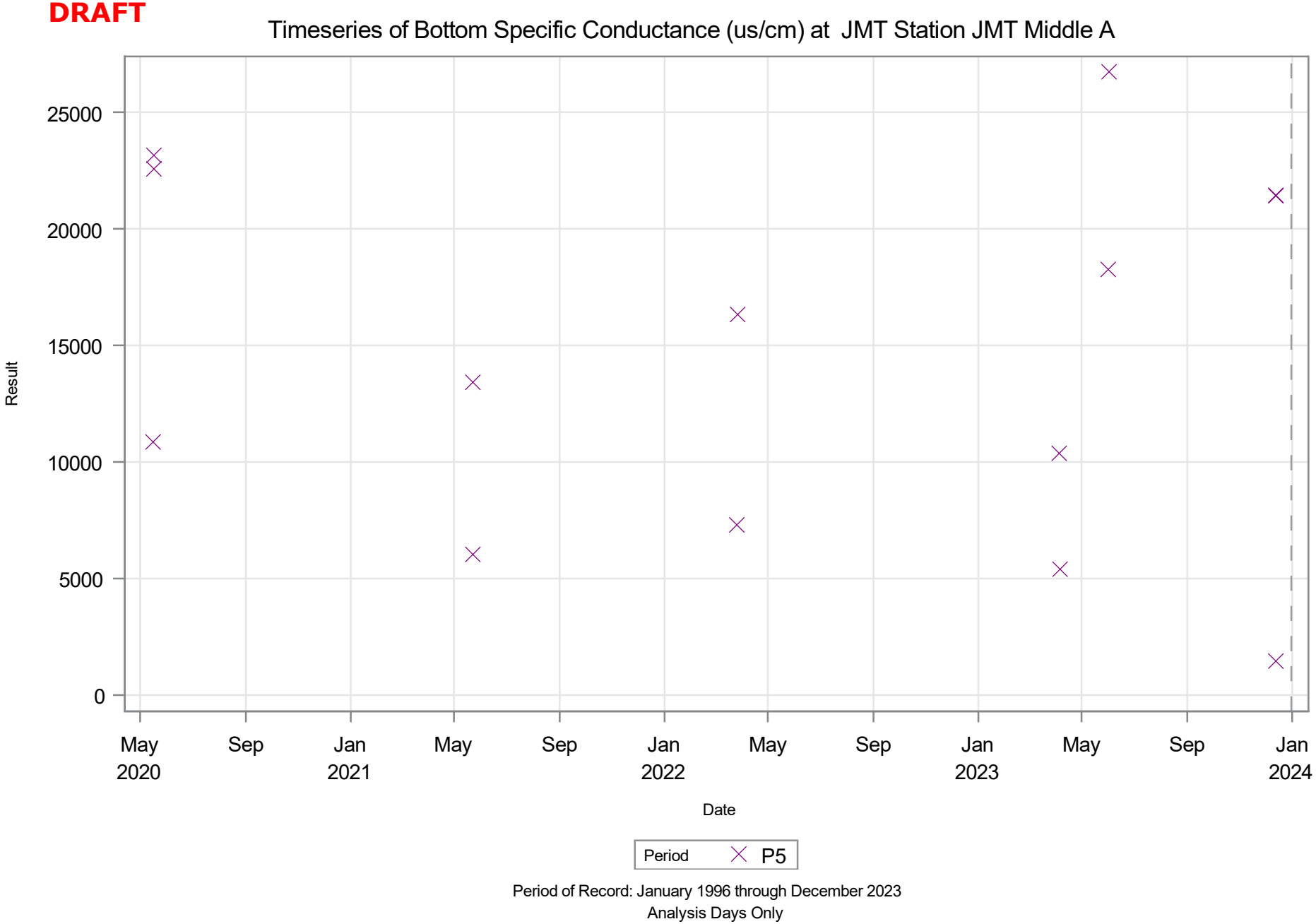
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1460.00	8572.00	11293.93	11487.00	12761.00	23018.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

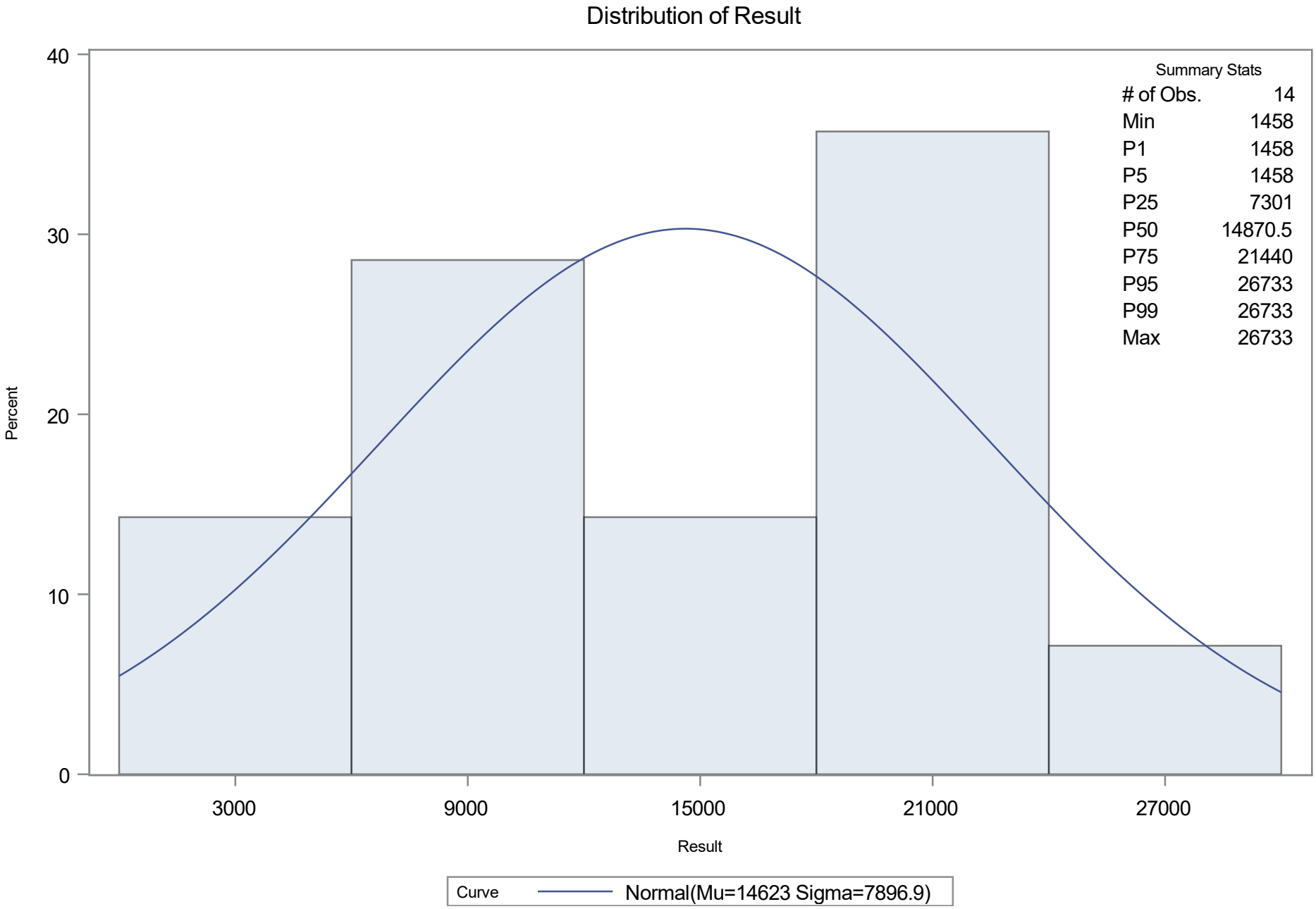

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Lower B
Result
20000
15000
10000
5000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle A
Result
25000
20000
15000
10000
5000
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14623.21
Std Dev	Sigma	7896.897

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16226419	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04916802	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30943752	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1458.00	-3747.72
5.0	1458.00	1633.97
10.0	5400.00	4502.93
25.0	7301.00	9296.84
50.0	14870.50	14623.21
75.0	21440.00	19949.59
90.0	23151.00	24743.50
95.0	26733.00	27612.45
99.0	26733.00	32994.14

Period of Record: January 1996 through December 2023
Analysis Days Only

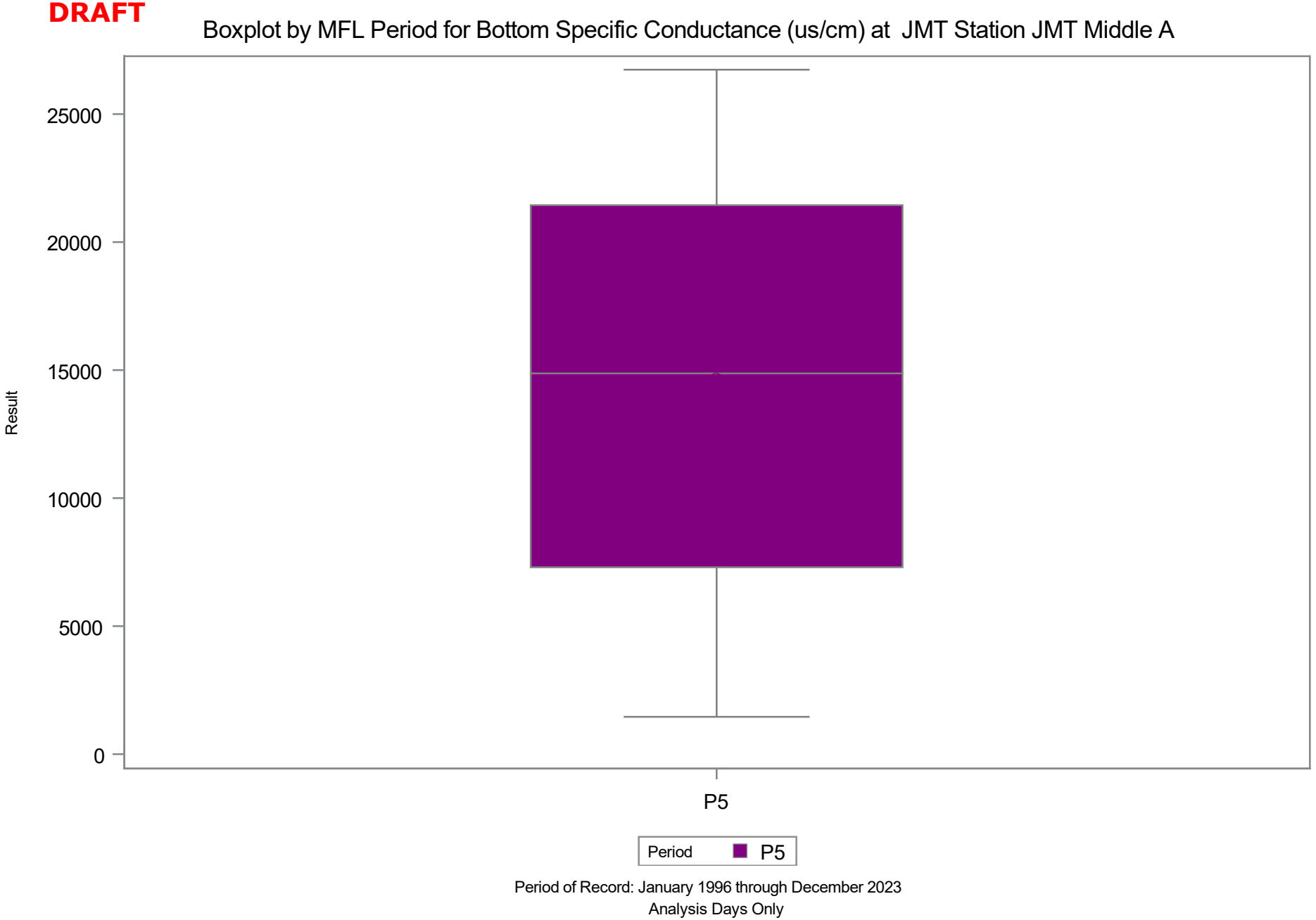
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle A

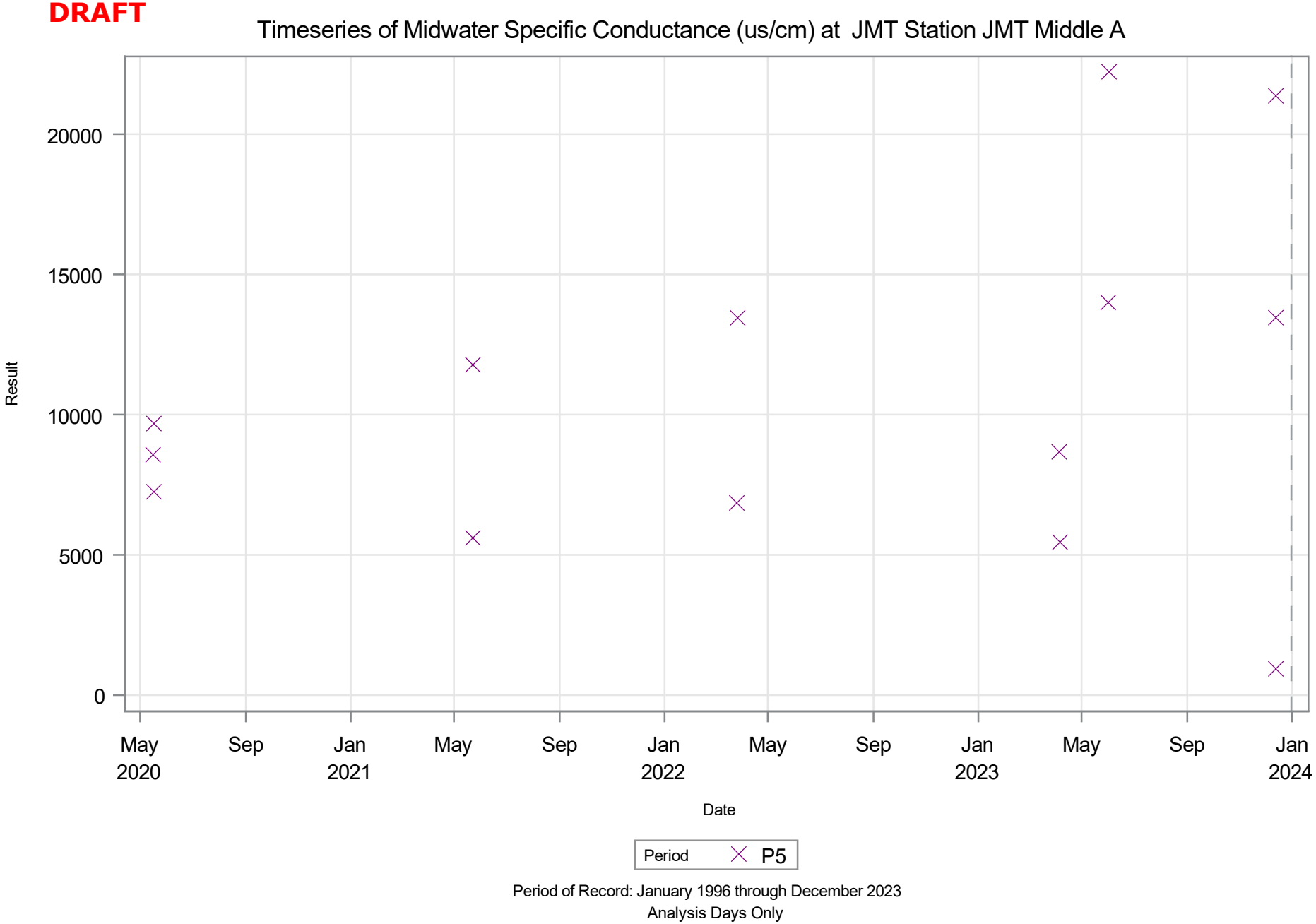
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1458.00	7301.00	14623.21	14870.50	21440.00	26733.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle A
Result
25000
20000
15000
10000
5000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

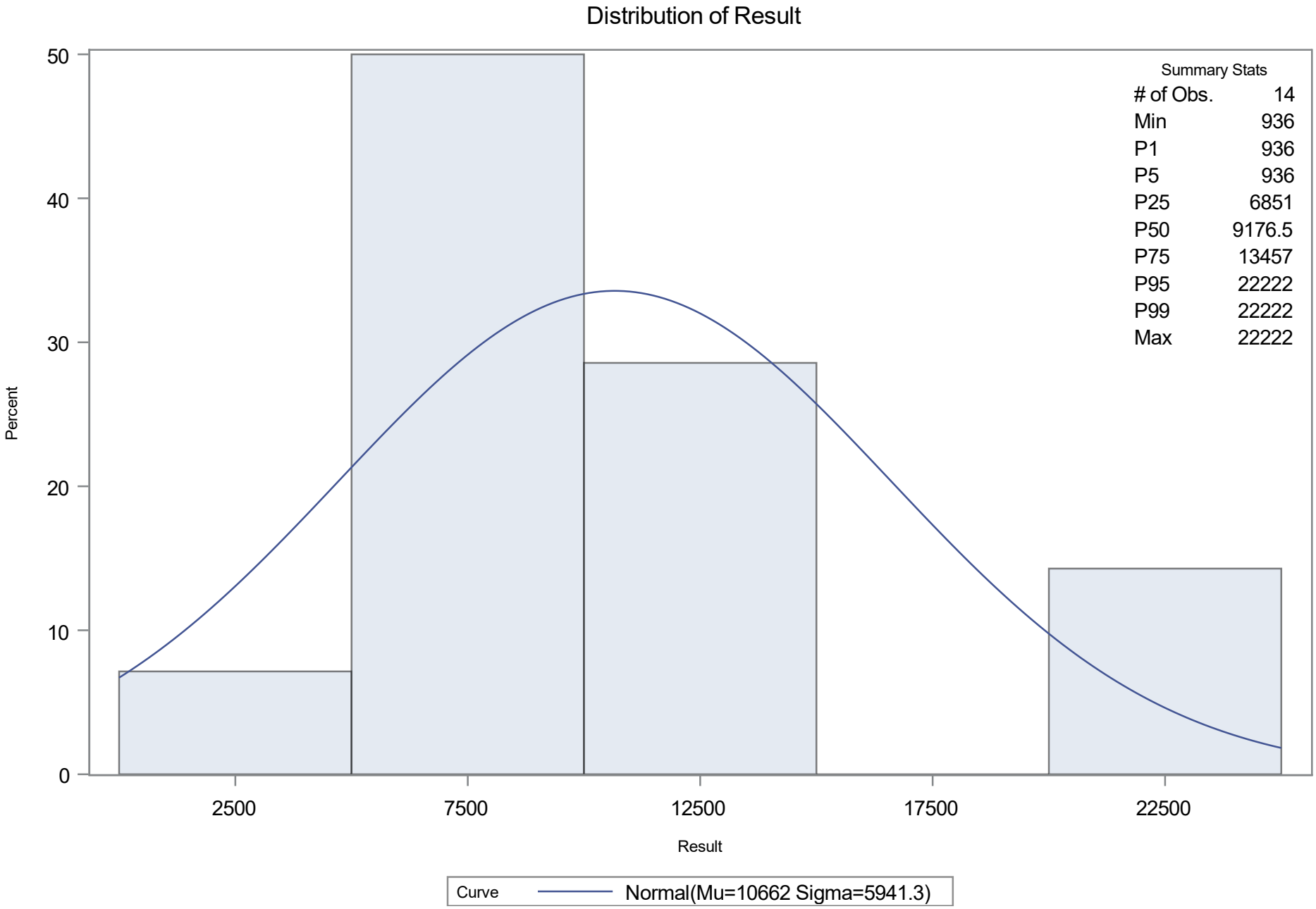
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10662.43
Std Dev	Sigma	5941.324

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14445622	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05821818	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40048668	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	936.000	-3159.157
5.0	936.000	889.821
10.0	5452.000	3048.316
25.0	6851.000	6655.067
50.0	9176.500	10662.429
75.0	13457.000	14669.791
90.0	21362.000	18276.541
95.0	22222.000	20435.037
99.0	22222.000	24484.015

Period of Record: January 1996 through December 2023
Analysis Days Only

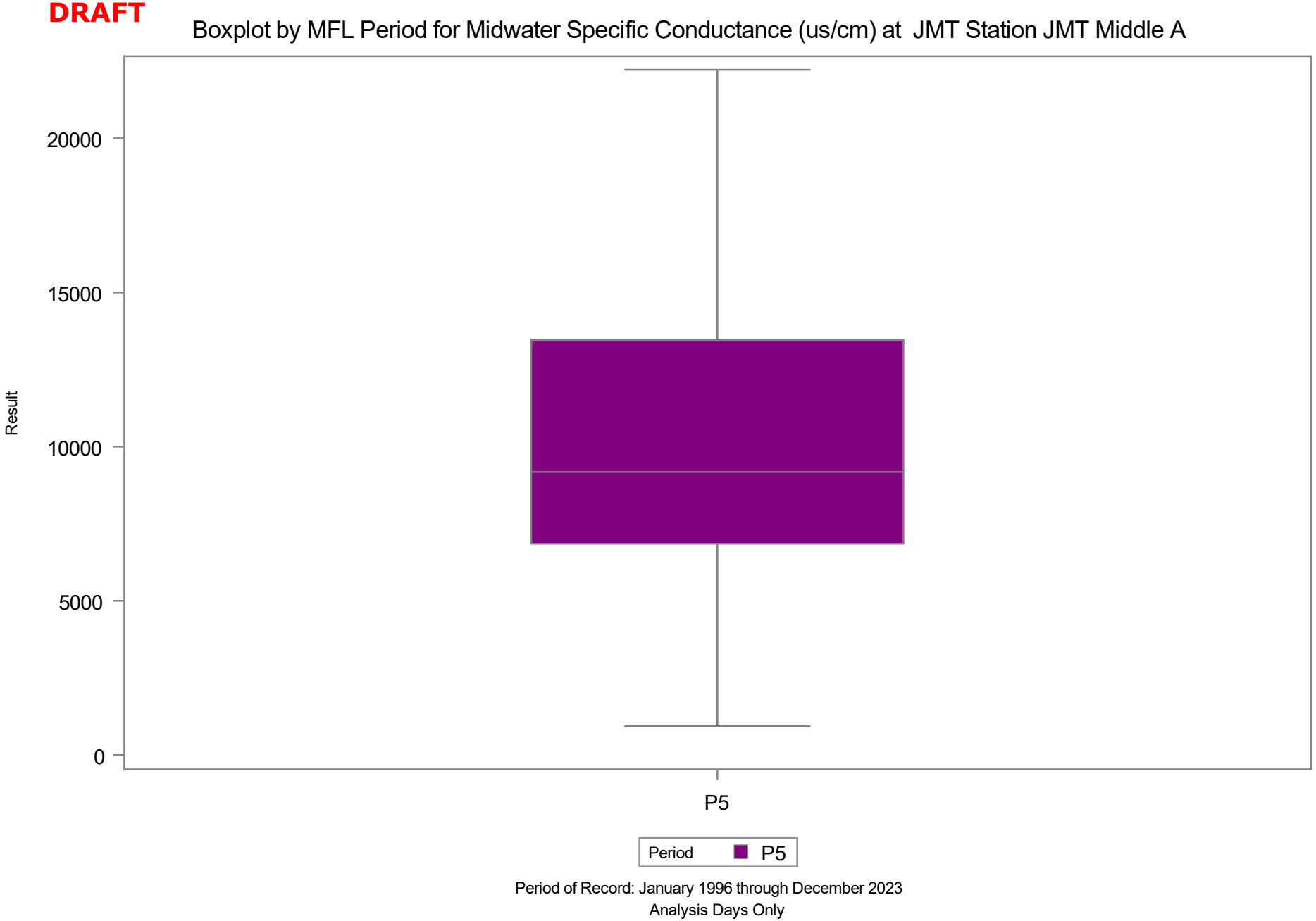
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle A

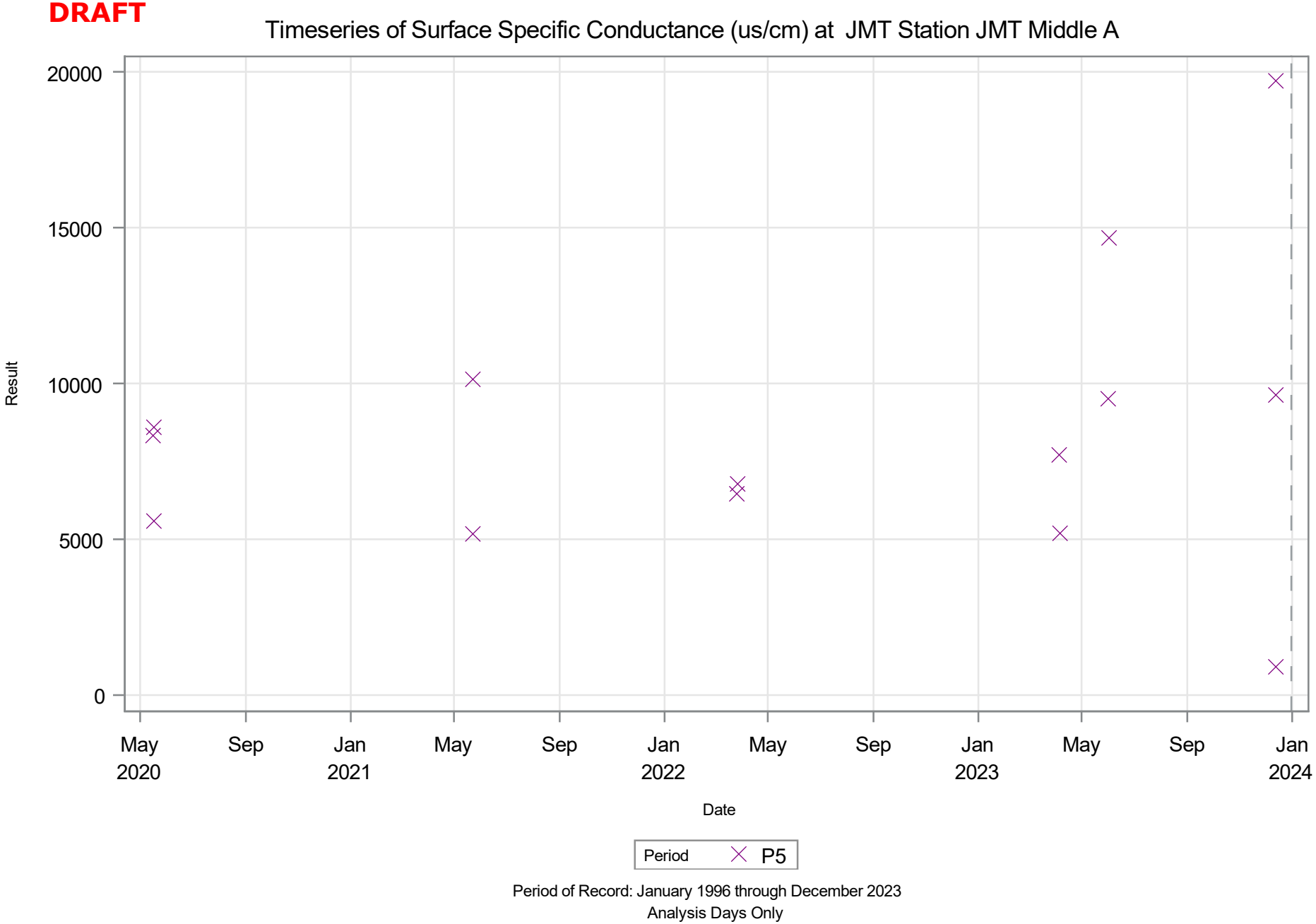
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	936.00	6851.00	10662.43	9176.50	13457.00	22222.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

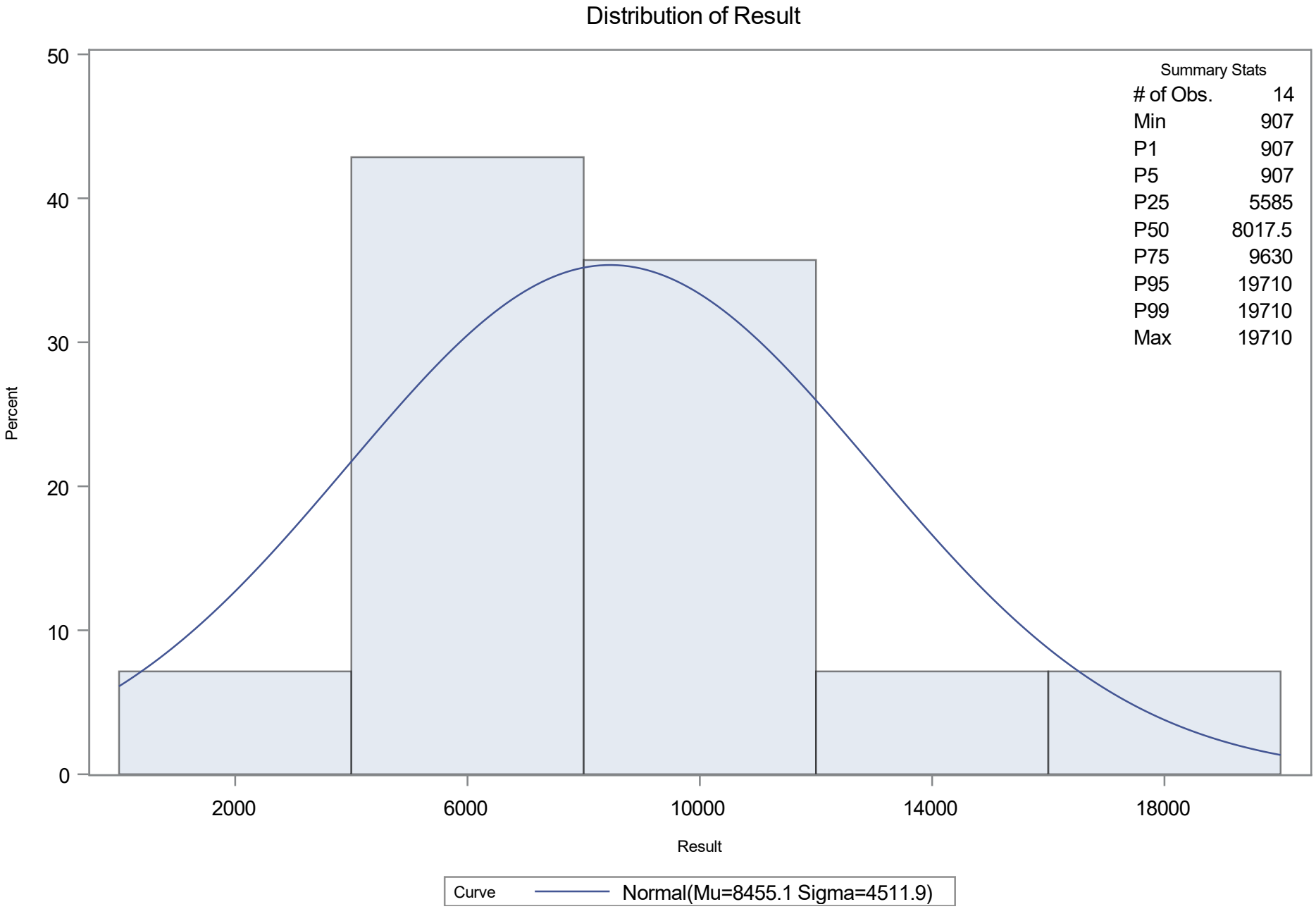

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle A
Result
20000
15000
10000
5000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Middle A
Result
20000
15000
10000
5000
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8455.143
Std Dev	Sigma	4511.873

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21213545	**Pr > D**	0.086
Cramer-von Mises	**W-Sq**	0.10059342	**Pr > W-Sq**	0.100
Anderson-Darling	**A-Sq**	0.59421460	**Pr > A-Sq**	0.099

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	907.000	-2041.04
5.0	907.000	1033.77
10.0	5172.000	2672.95
25.0	5585.000	5411.93
50.0	8017.500	8455.14
75.0	9630.000	11498.35
90.0	14670.000	14237.34
95.0	19710.000	15876.51
99.0	19710.000	18951.33

Period of Record: January 1996 through December 2023
Analysis Days Only

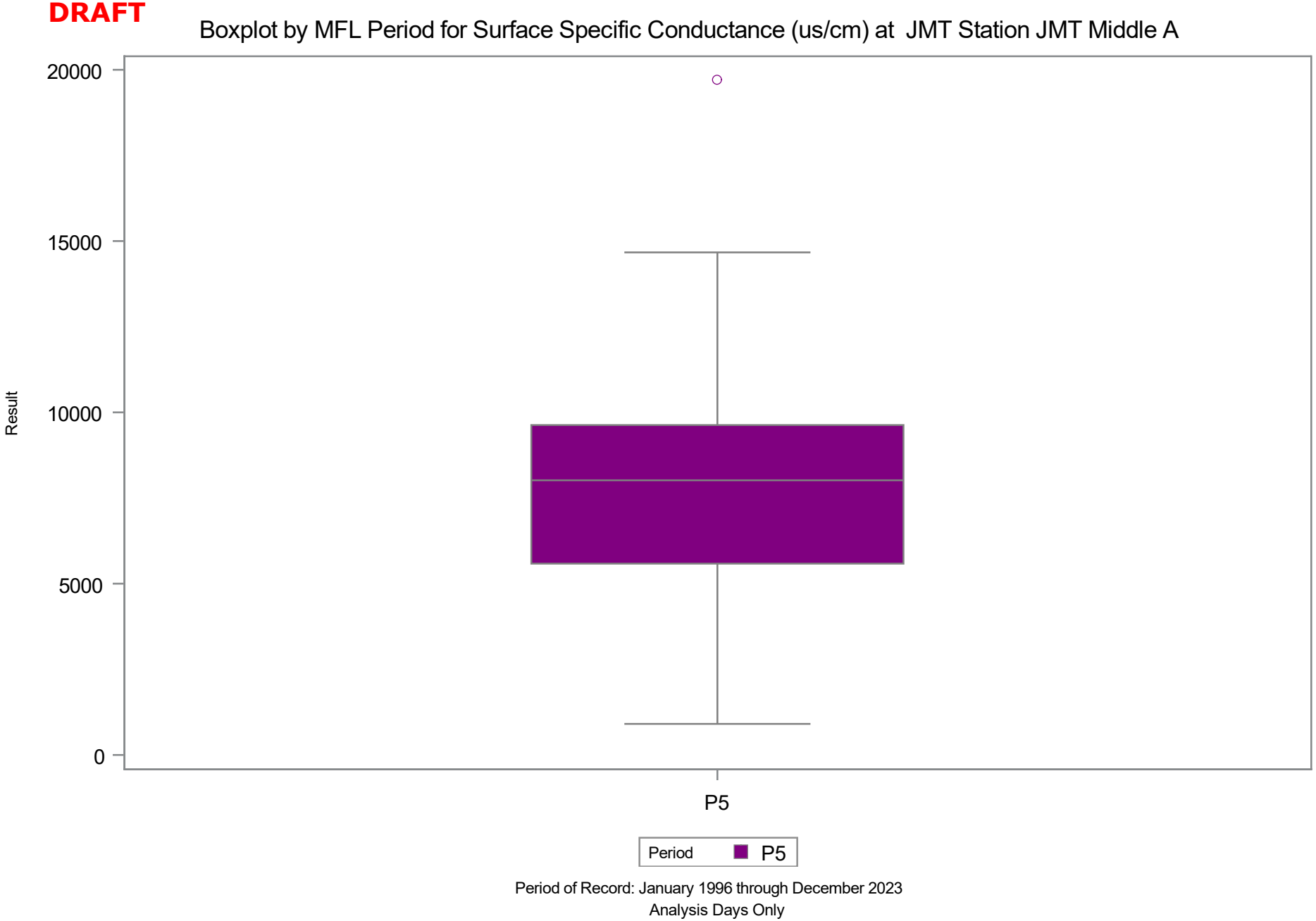
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle A

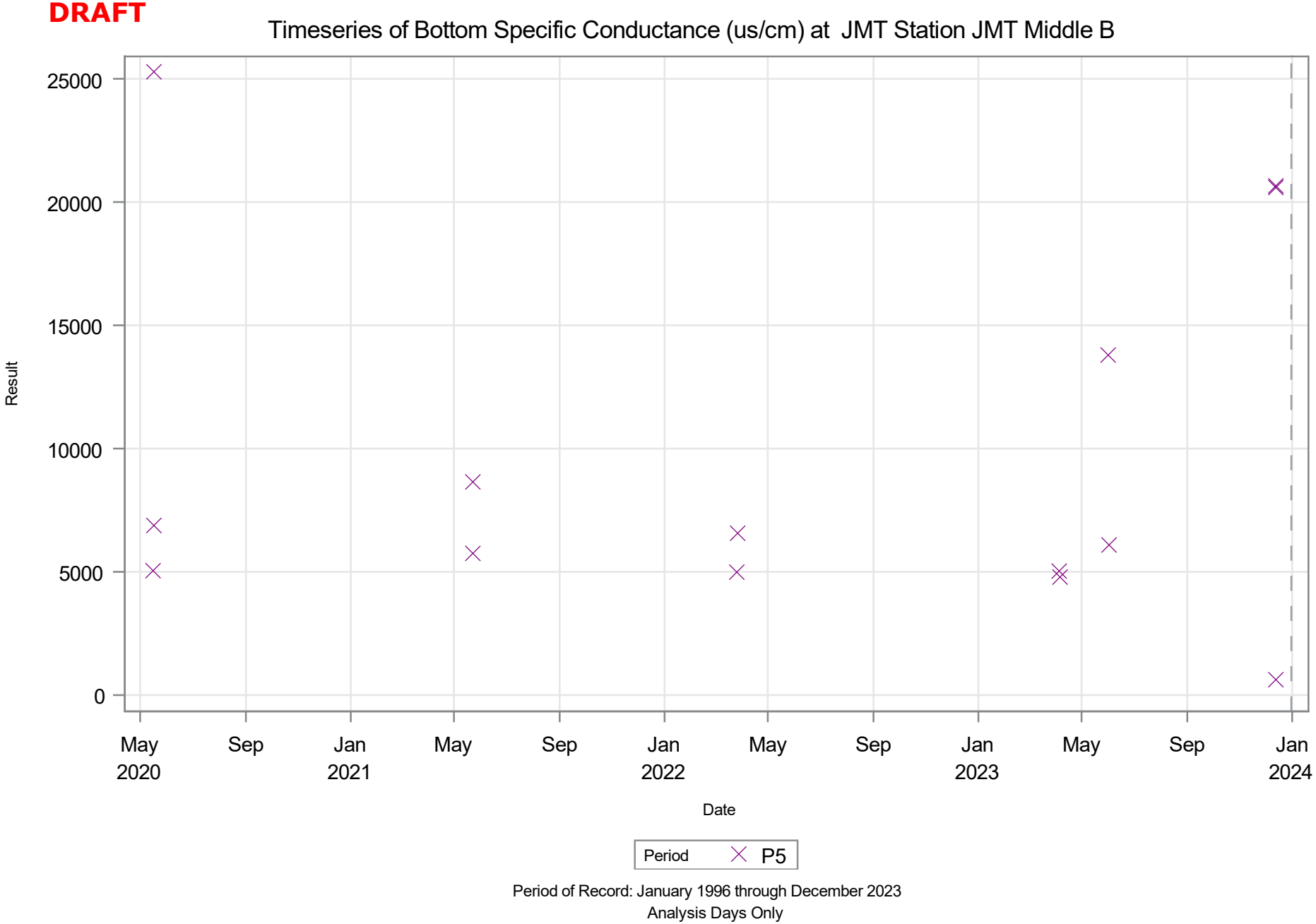
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	907.00	5585.00	8455.14	8017.50	9630.00	19710.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

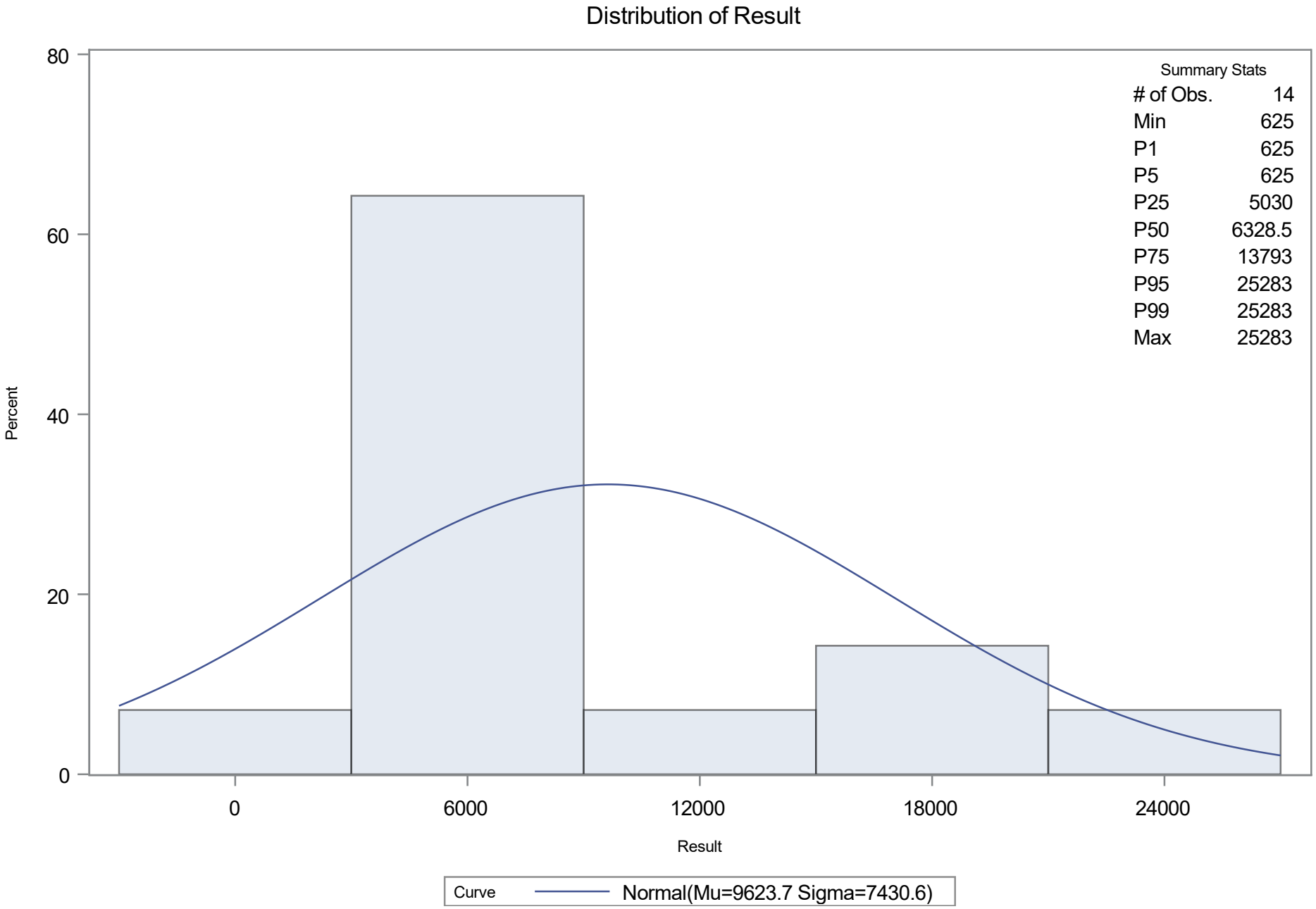

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle A
20000
15000
10000
5000
0
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle B
Result
25000
20000
15000
10000
5000
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9623.714
Std Dev	Sigma	7430.573

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28683505	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24488416	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.27707516	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	625.000	-7662.384
5.0	625.000	-2598.491
10.0	4788.000	101.052
25.0	5030.000	4611.869
50.0	6328.500	9623.714
75.0	13793.000	14635.560
90.0	20658.000	19146.377
95.0	25283.000	21845.919
99.0	25283.000	26909.812

Period of Record: January 1996 through December 2023
Analysis Days Only

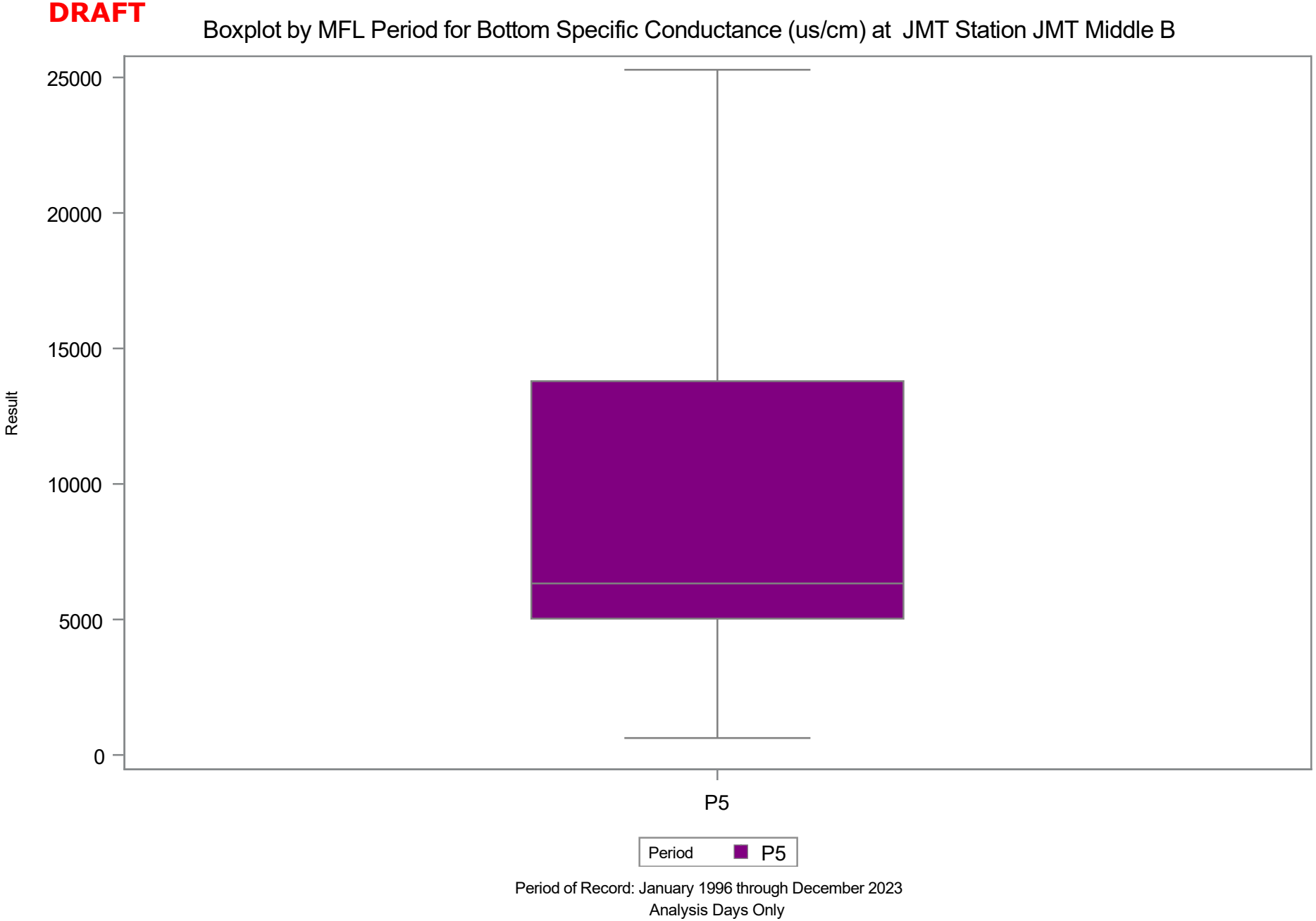
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle B

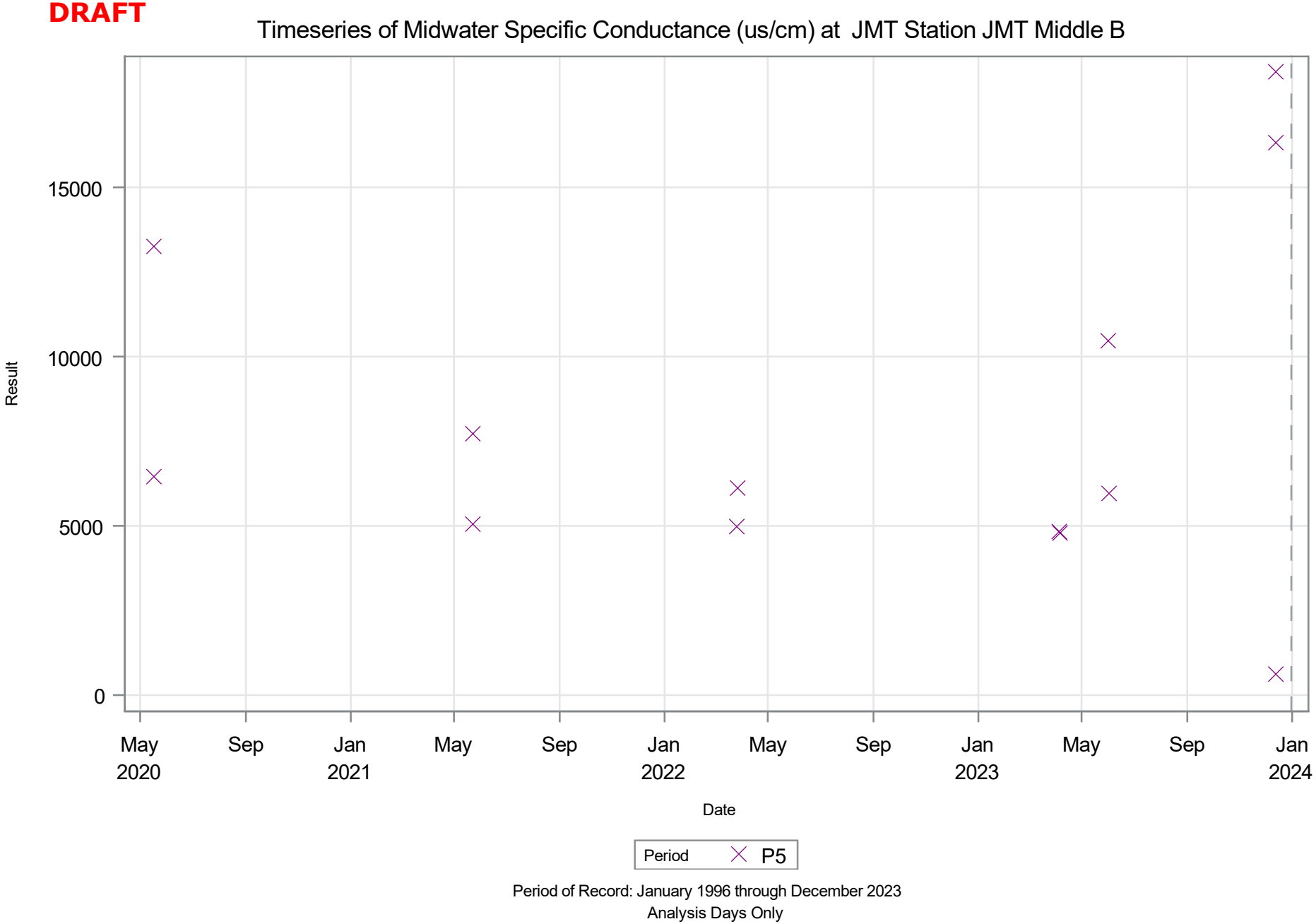
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	625.00	5030.00	9623.71	6328.50	13793.00	25283.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle B
Result
25000
20000
15000
10000
5000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

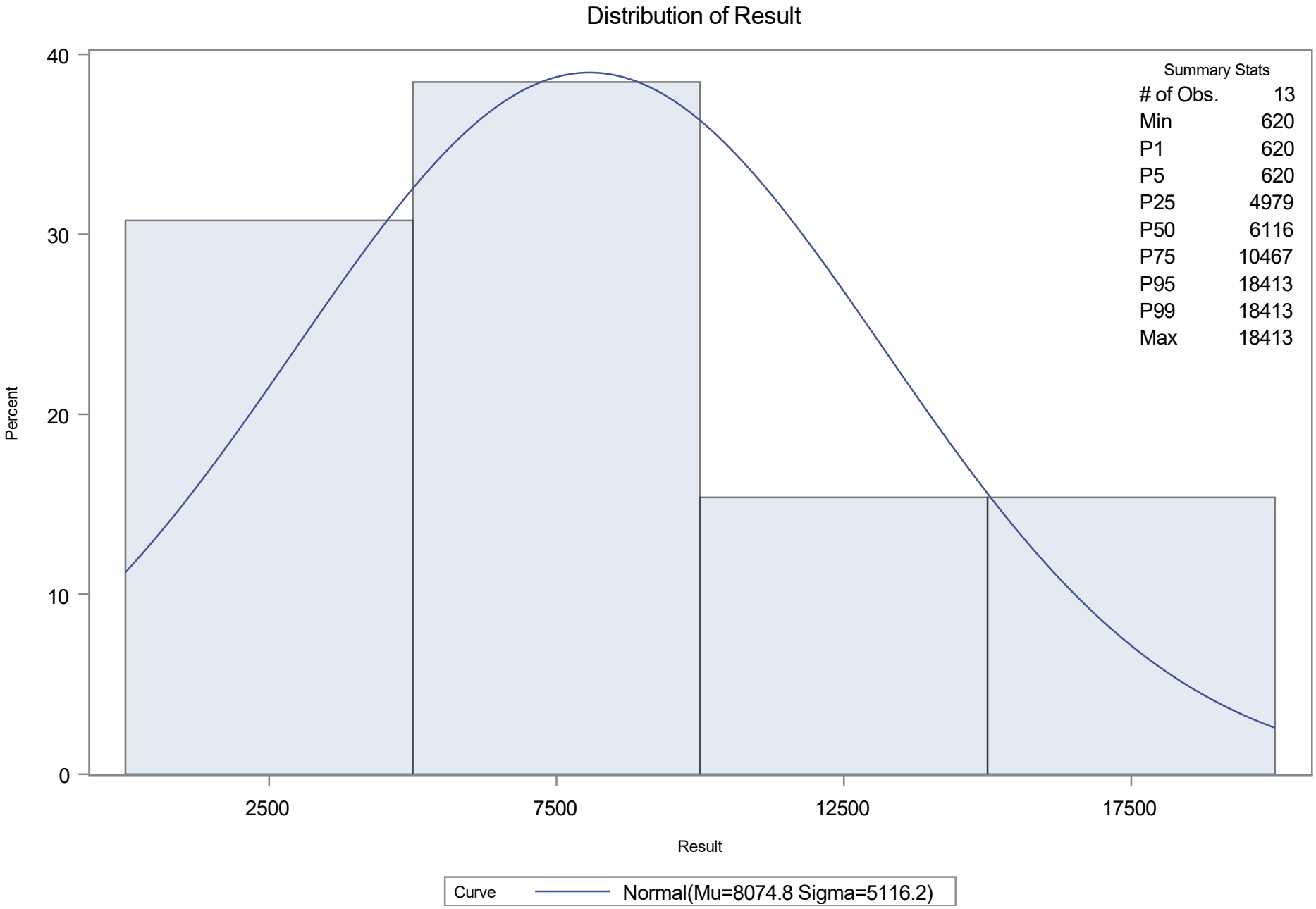
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8074.846
Std Dev	Sigma	5116.158

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23969044	**Pr > D**	0.040
Cramer-von Mises	**W-Sq**	0.14895538	**Pr > W-Sq**	0.022
Anderson-Darling	**A-Sq**	0.77435364	**Pr > A-Sq**	0.034

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	620.000	-3827.117
5.0	620.000	-340.485
10.0	4787.000	1518.226
25.0	4979.000	4624.050
50.0	6116.000	8074.846
75.0	10467.000	11525.642
90.0	16320.000	14631.467
95.0	18413.000	16490.177
99.0	18413.000	19976.810

Period of Record: January 1996 through December 2023
Analysis Days Only

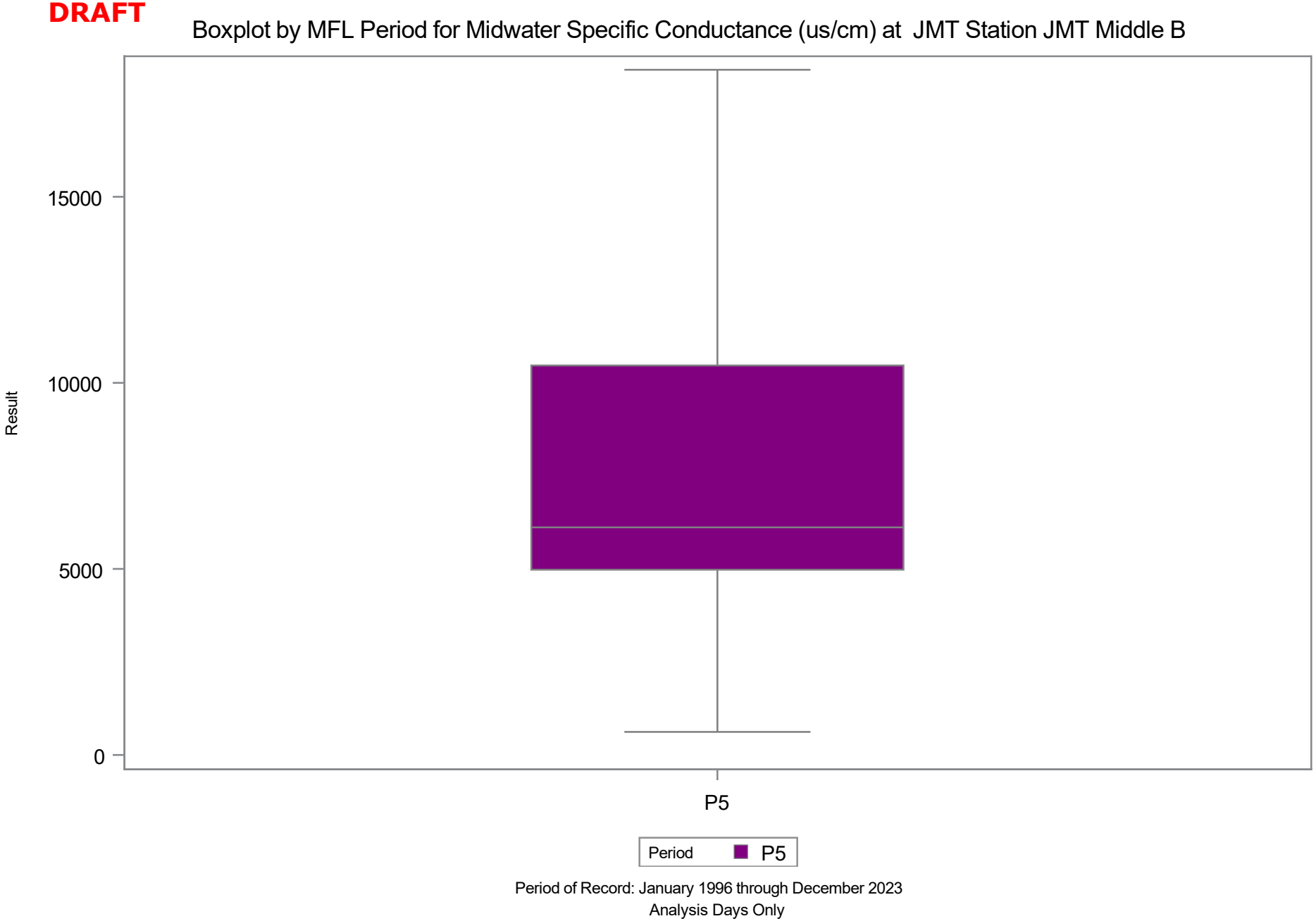
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle B

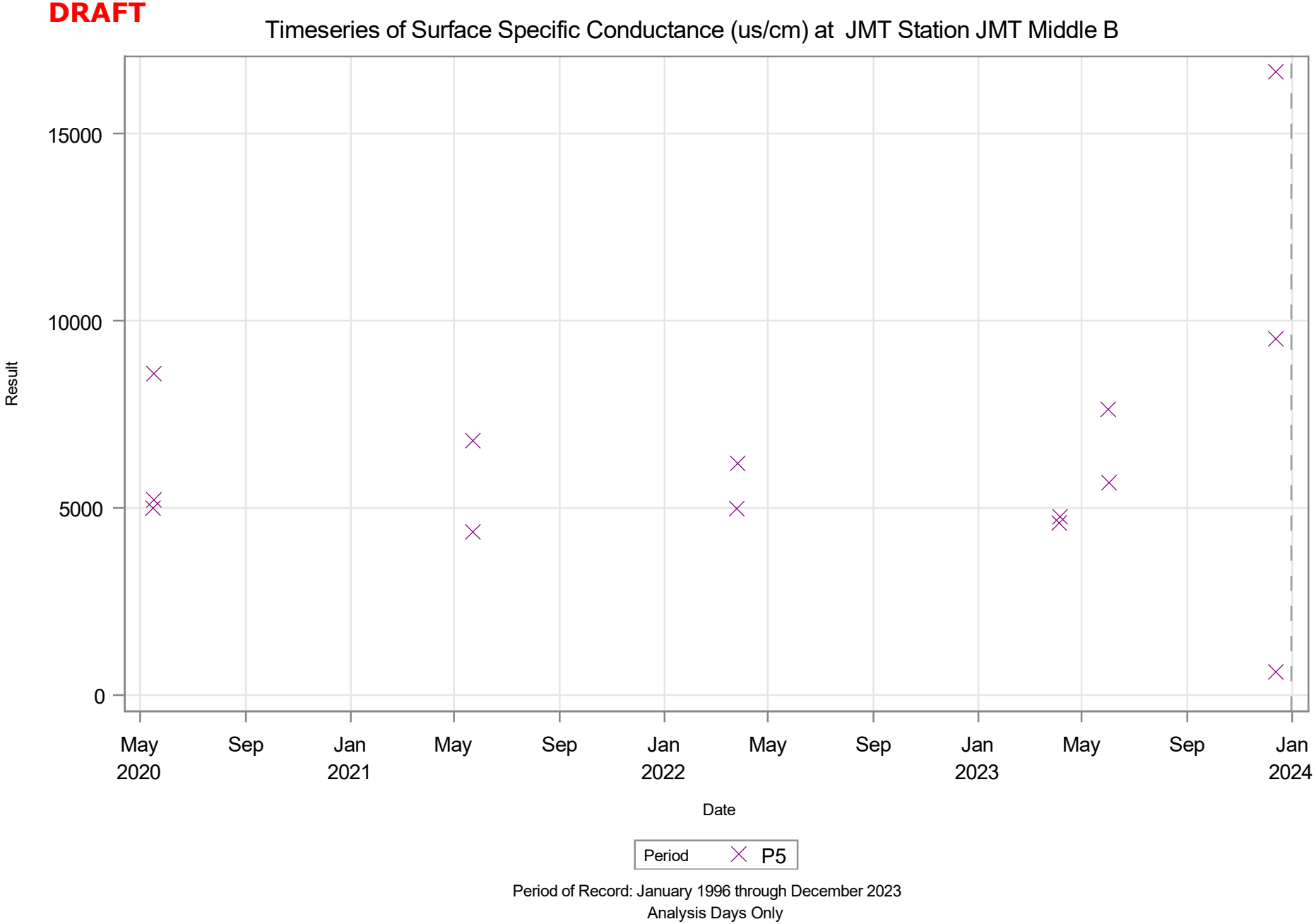
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	620.00	4979.00	8074.85	6116.00	10467.00	18413.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

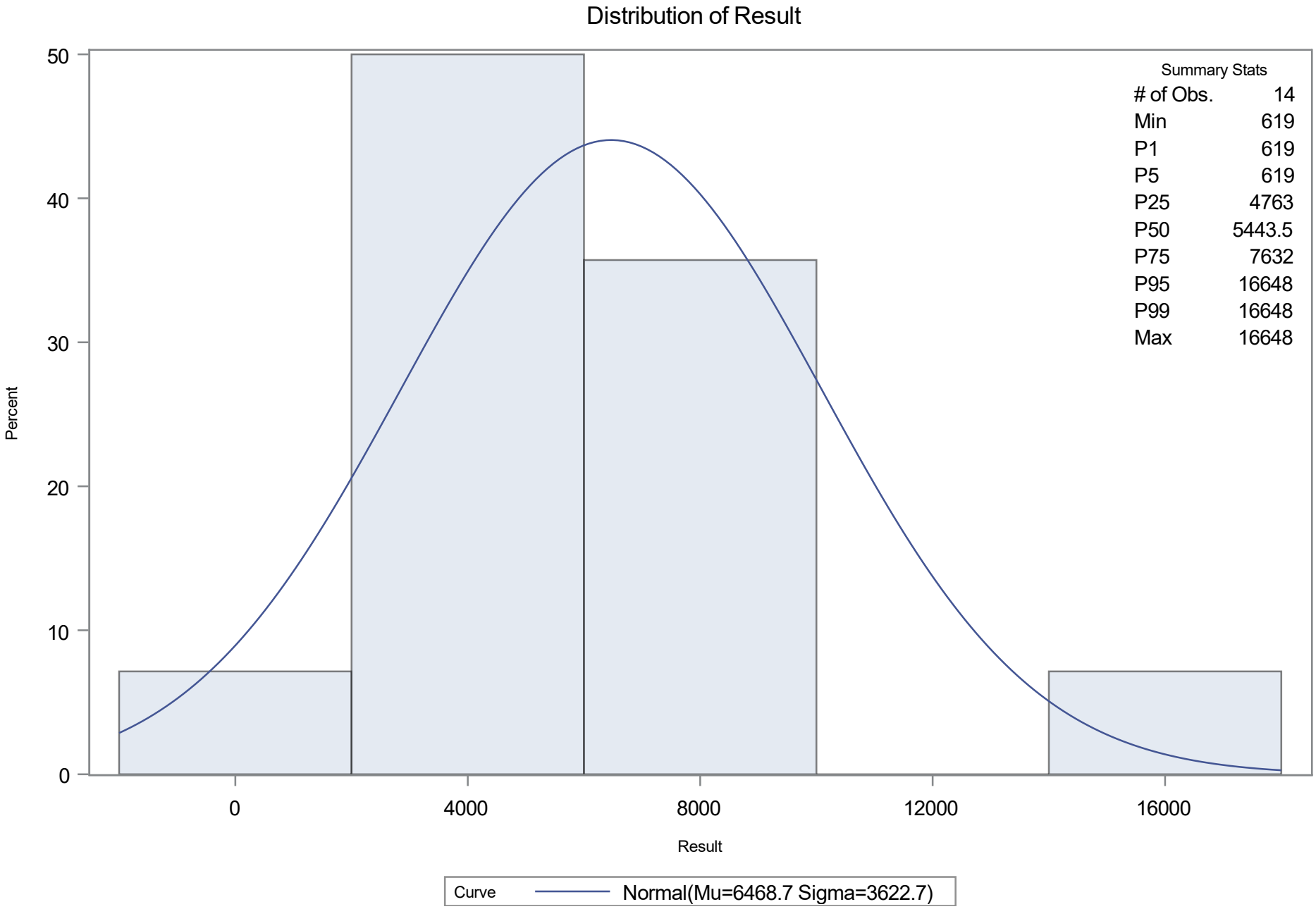

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle B
Result
15000
10000
5000
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Middle B
Result
15000
10000
5000
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6468.714
Std Dev	Sigma	3622.709

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20864118	**Pr > D**	0.095
Cramer-von Mises	**W-Sq**	0.15902793	**Pr > W-Sq**	0.017
Anderson-Darling	**A-Sq**	0.93675381	**Pr > A-Sq**	0.013

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	619.000	-1958.966
5.0	619.000	509.889
10.0	4358.000	1826.026
25.0	4763.000	4025.234
50.0	5443.500	6468.714
75.0	7632.000	8912.194
90.0	9516.000	11111.402
95.0	16648.000	12427.540
99.0	16648.000	14896.395

Period of Record: January 1996 through December 2023
Analysis Days Only

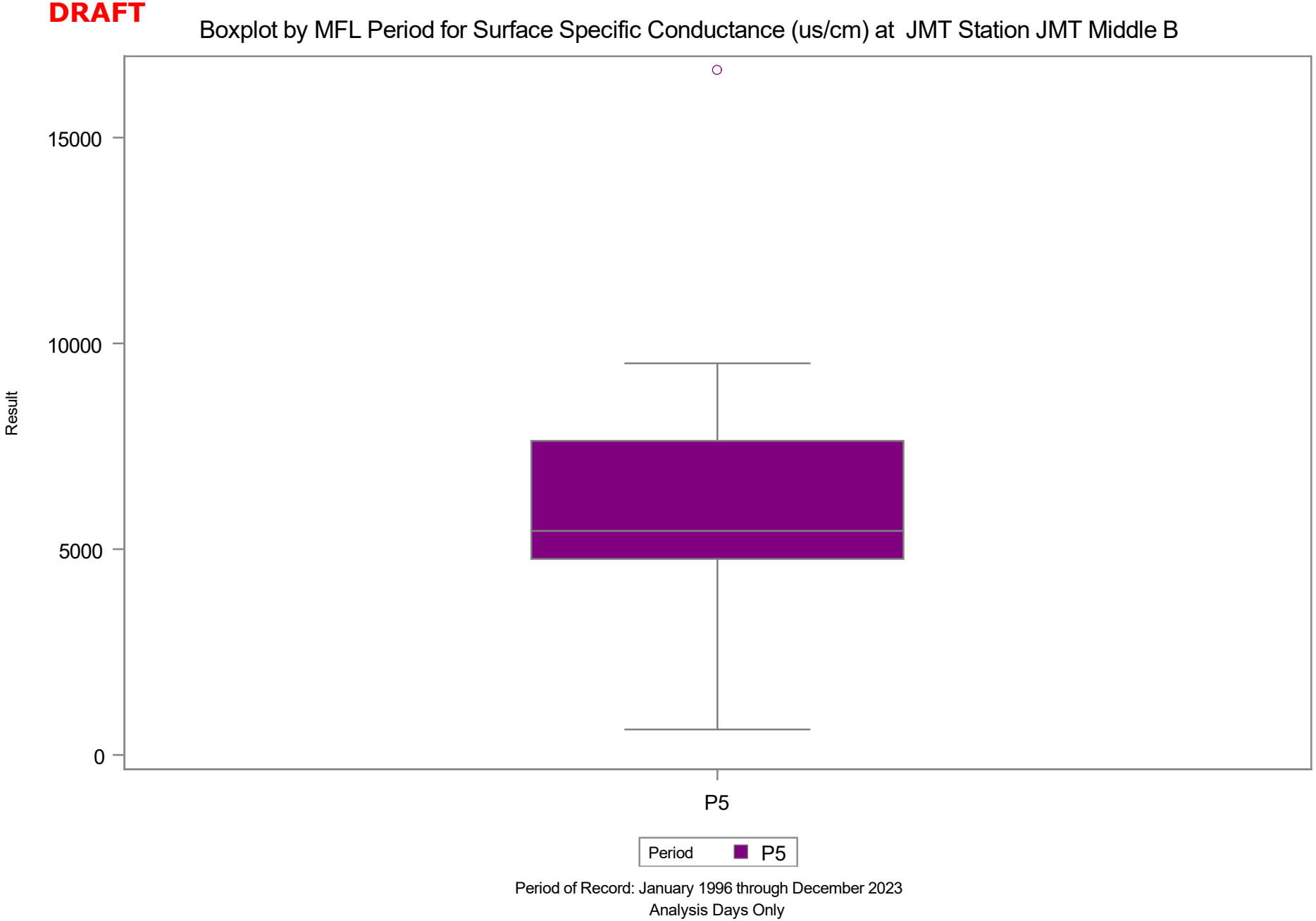
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle B

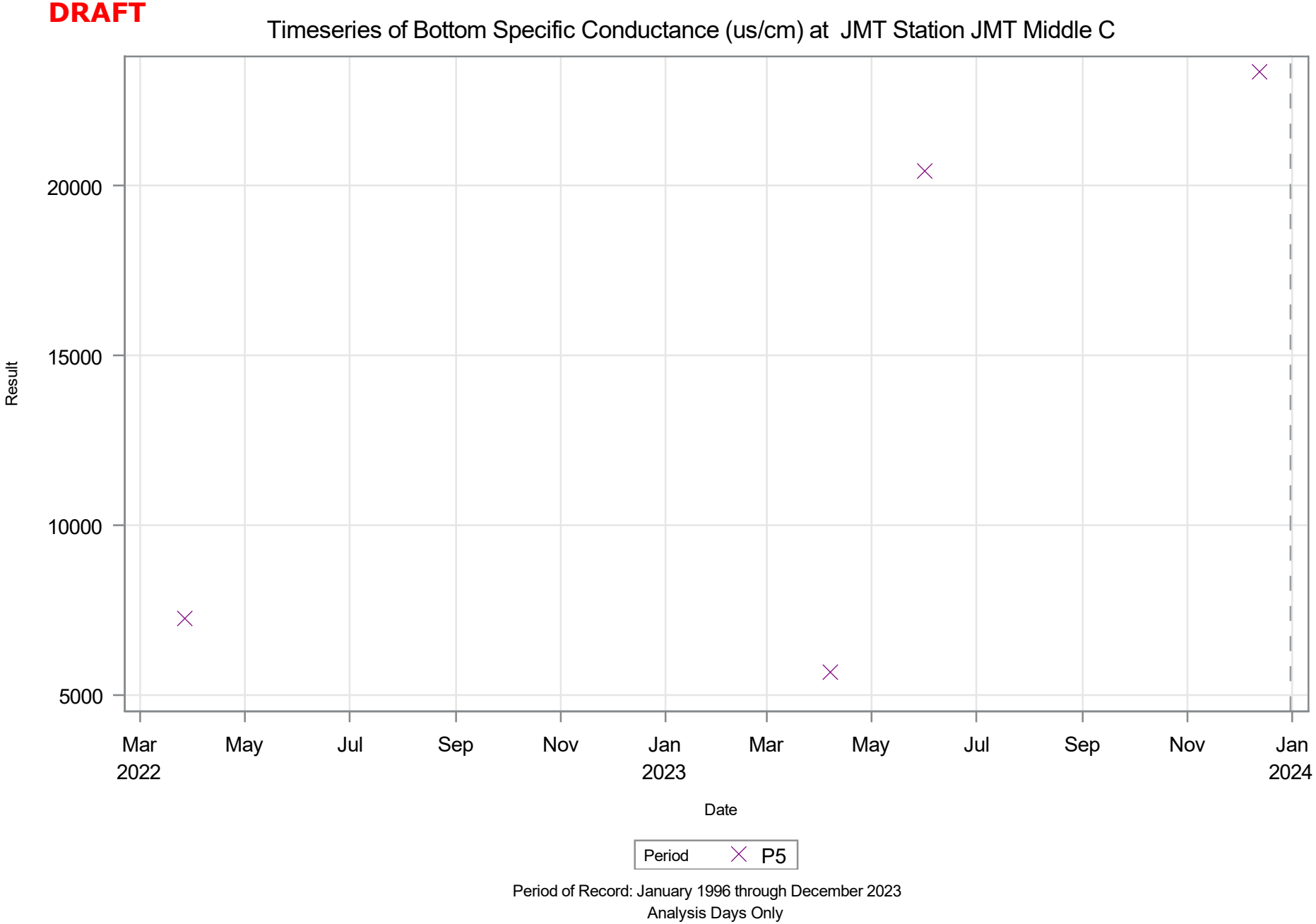
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	619.00	4763.00	6468.71	5443.50	7632.00	16648.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

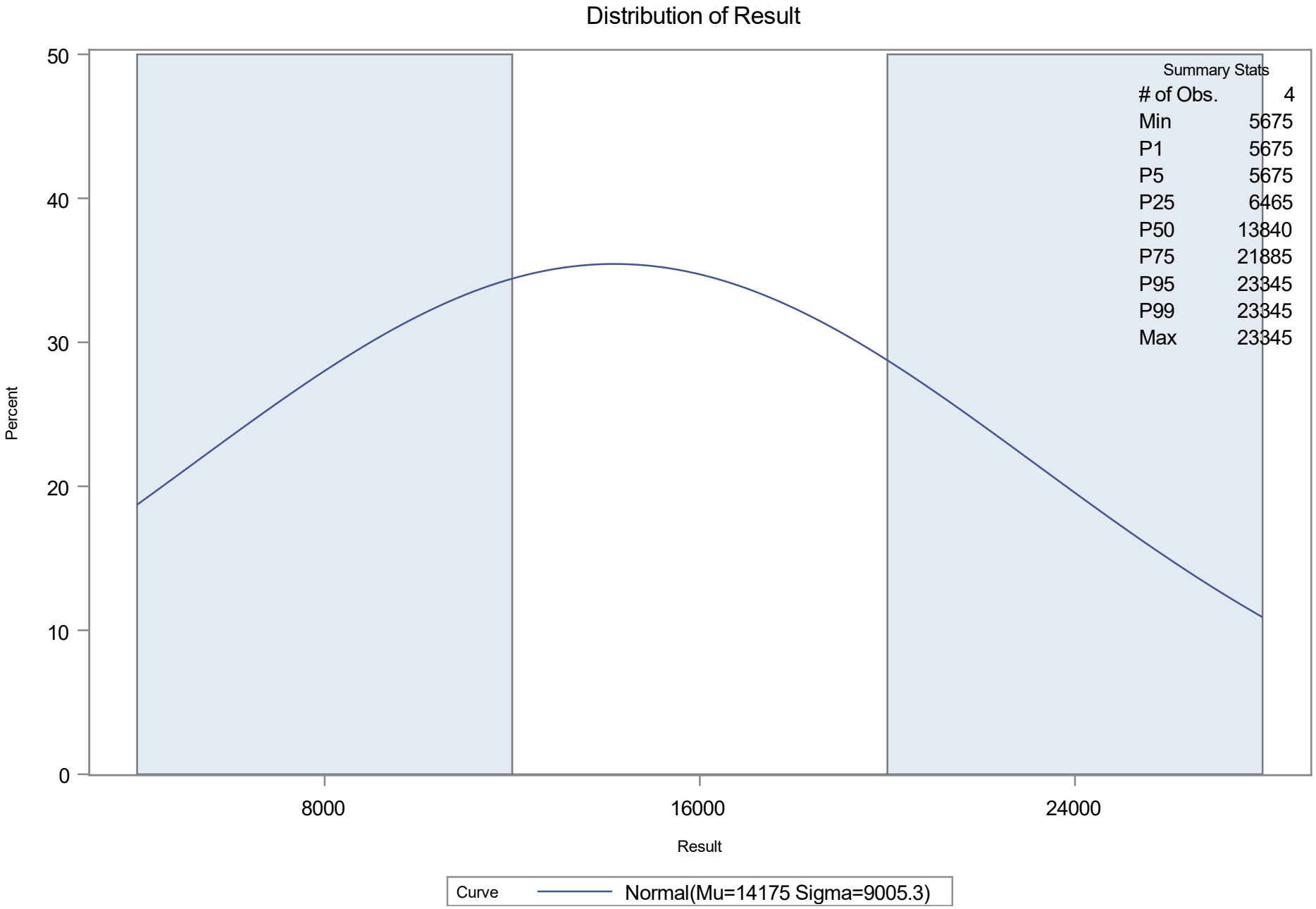

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle B
15000
10000
5000
0
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle C
Result
20000
15000
10000
5000
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14175
Std Dev	Sigma	9005.328

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27888530	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06484332	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38324908	**Pr > A-Sq**	0.207

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5675.00	-6774.526
5.0	5675.00	-637.447
10.0	5675.00	2634.208
25.0	6465.00	8100.999
50.0	13840.00	14175.000
75.0	21885.00	20249.001
90.0	23345.00	25715.792
95.0	23345.00	28987.447
99.0	23345.00	35124.526

Period of Record: January 1996 through December 2023
Analysis Days Only

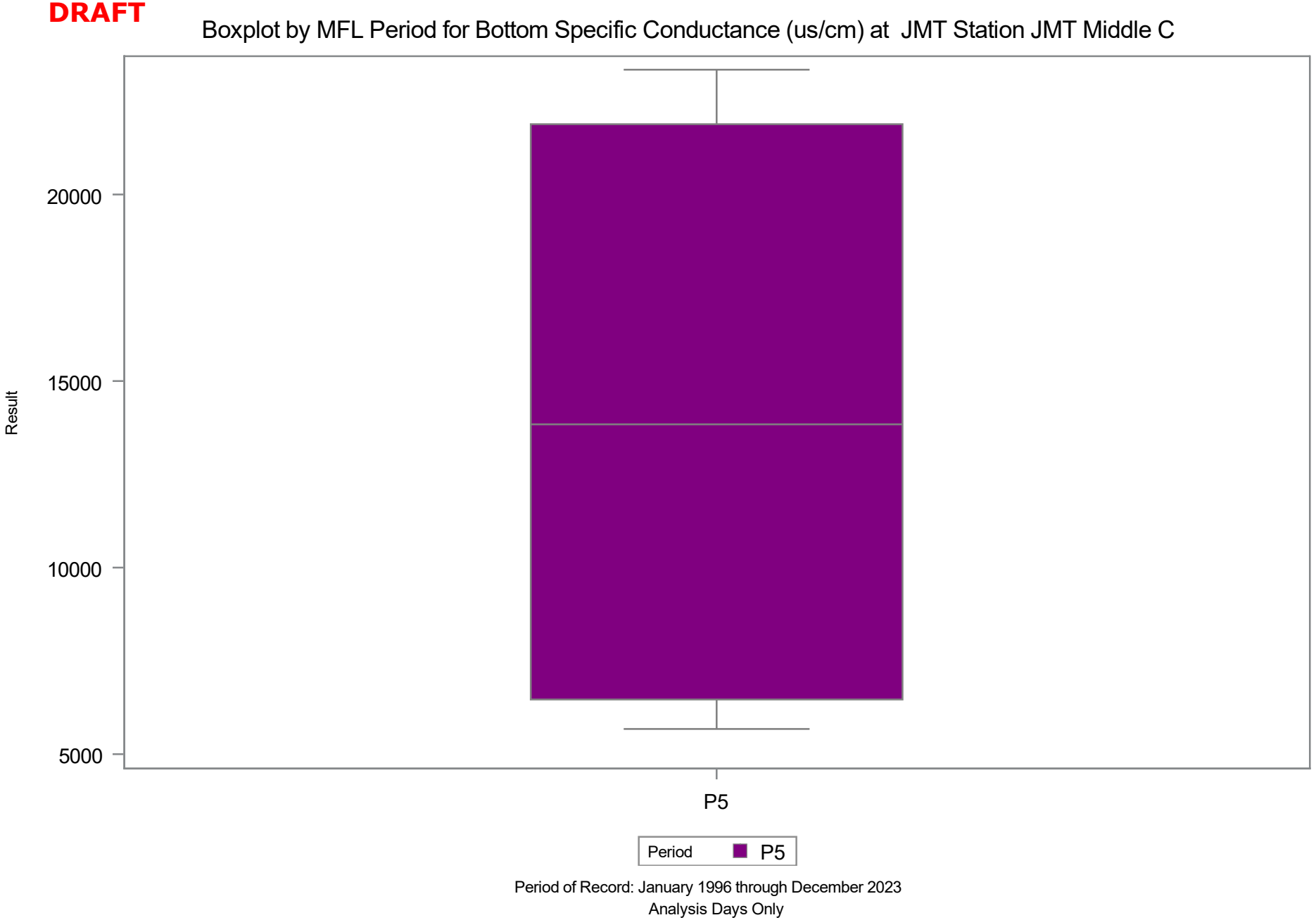
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle C

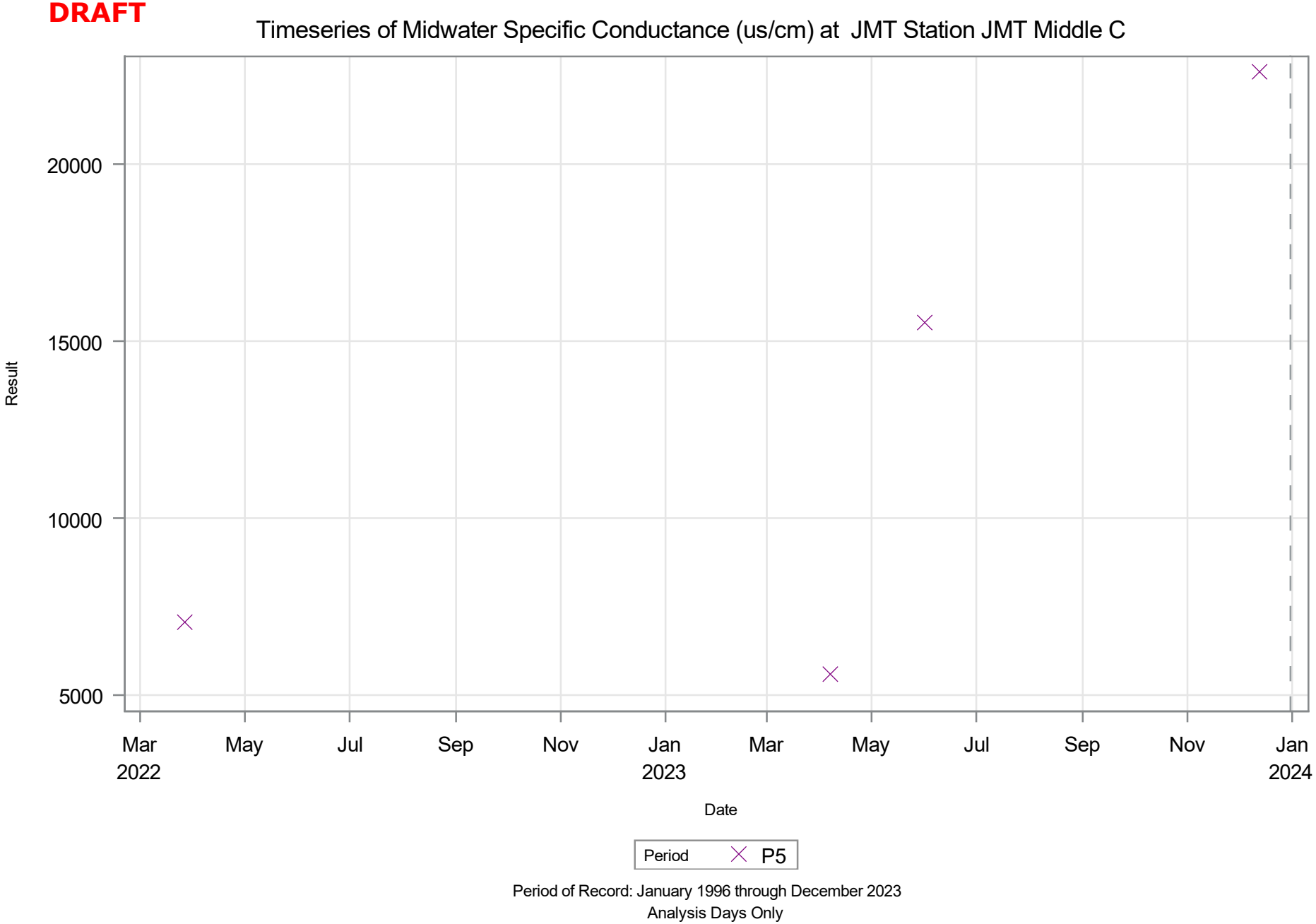
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	5675.00	6465.00	14175.00	13840.00	21885.00	23345.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

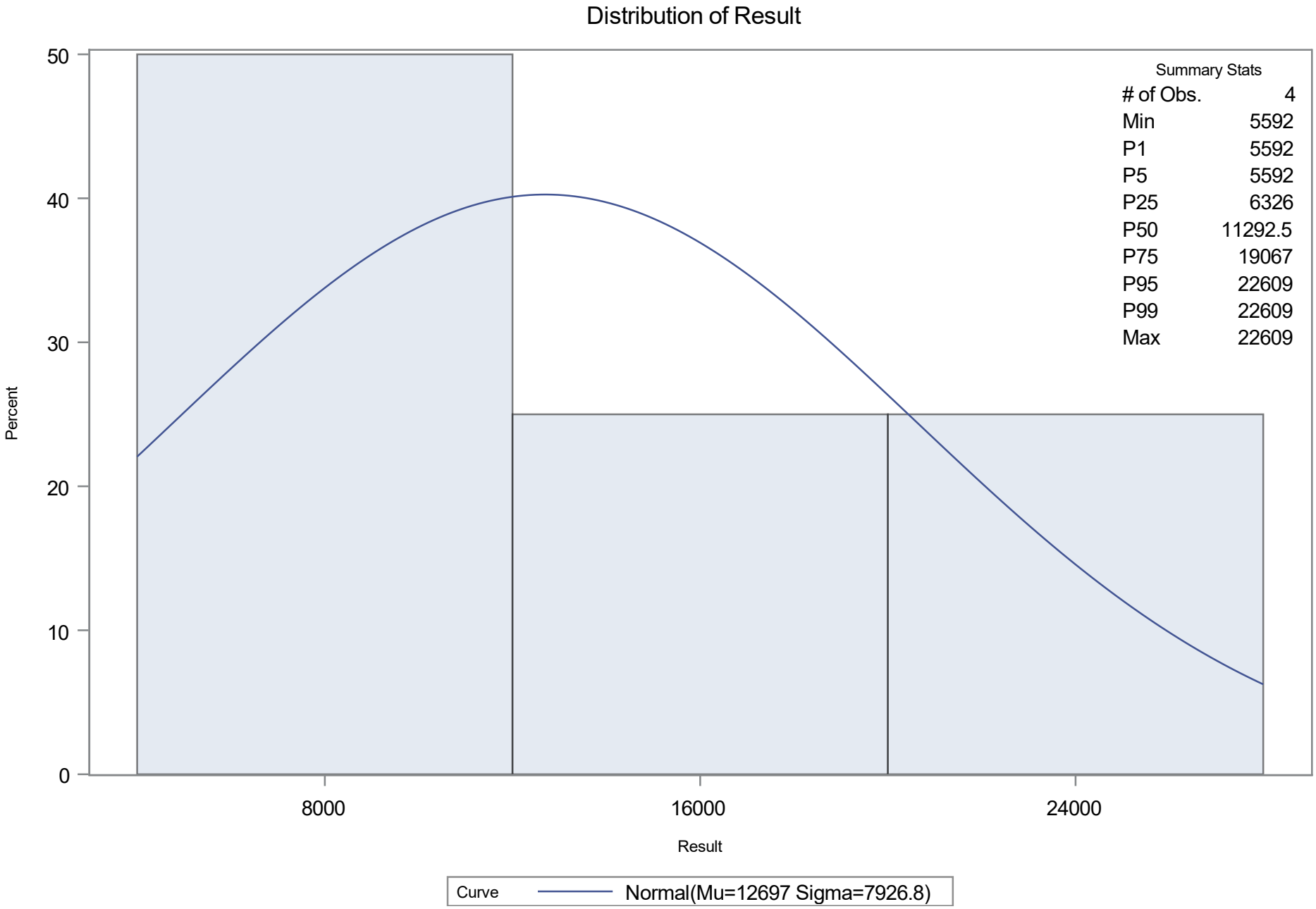

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle C
Result
20000
15000
10000
5000
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle C
Result
20000
15000
10000
5000
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12696.5
Std Dev	Sigma	7926.793

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26147940	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04365174	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27684180	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5592.00	-5743.977
5.0	5592.00	-341.913
10.0	5592.00	2537.907
25.0	6326.00	7349.960
50.0	11292.50	12696.500
75.0	19067.00	18043.040
90.0	22609.00	22855.093
95.0	22609.00	25734.913
99.0	22609.00	31136.977

Period of Record: January 1996 through December 2023
Analysis Days Only

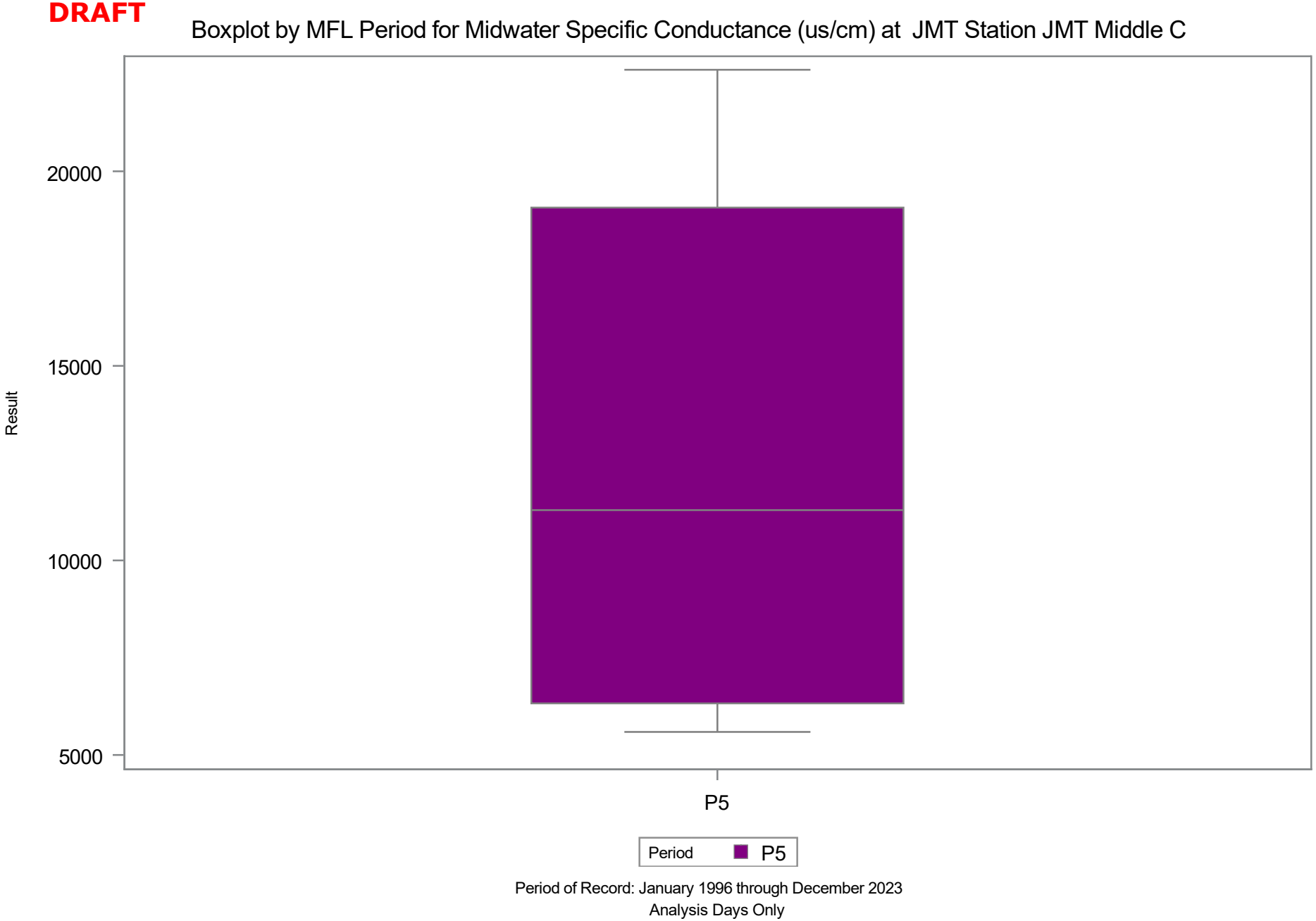
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle C

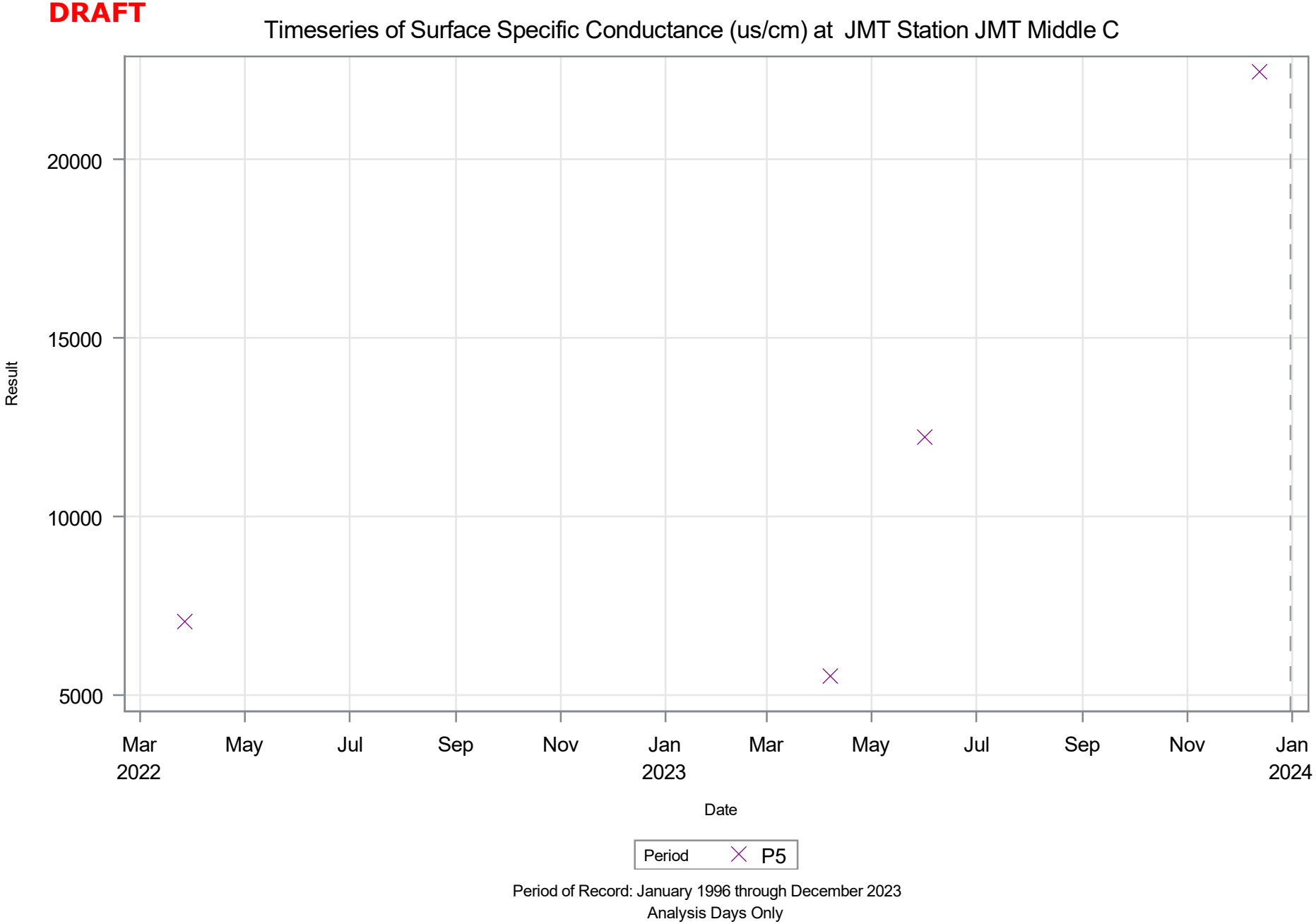
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	5592.00	6326.00	12696.50	11292.50	19067.00	22609.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

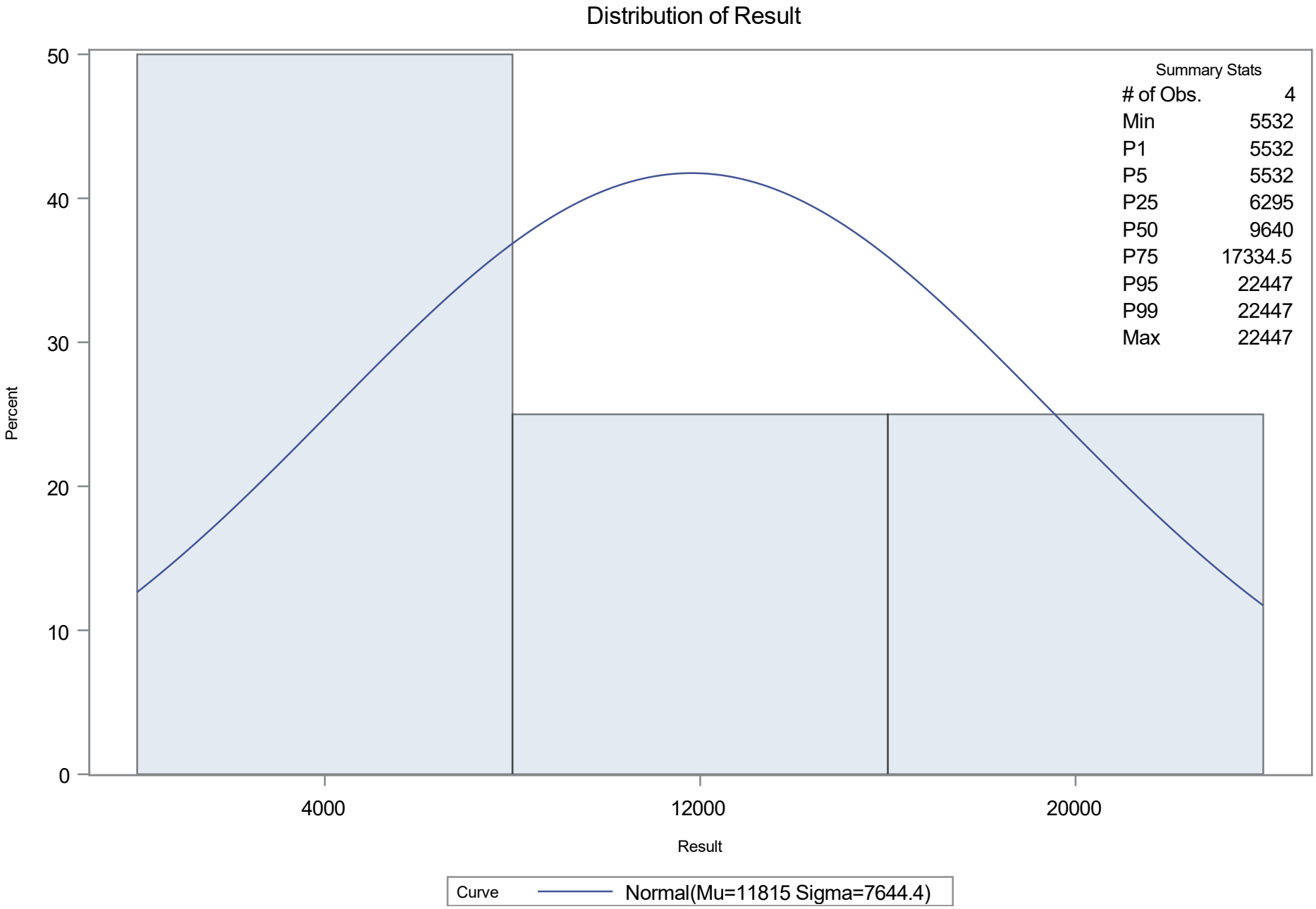

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle C
Result
20000
15000
10000
5000
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Middle C
Result
20000
15000
10000
5000
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11814.75
Std Dev	Sigma	7644.393

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23311240	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05161660	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31866681	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5532.00	-5968.766
5.0	5532.00	-759.157
10.0	5532.00	2018.067
25.0	6295.00	6658.686
50.0	9640.00	11814.750
75.0	17334.50	16970.814
90.0	22447.00	21611.433
95.0	22447.00	24388.657
99.0	22447.00	29598.266

Period of Record: January 1996 through December 2023
Analysis Days Only

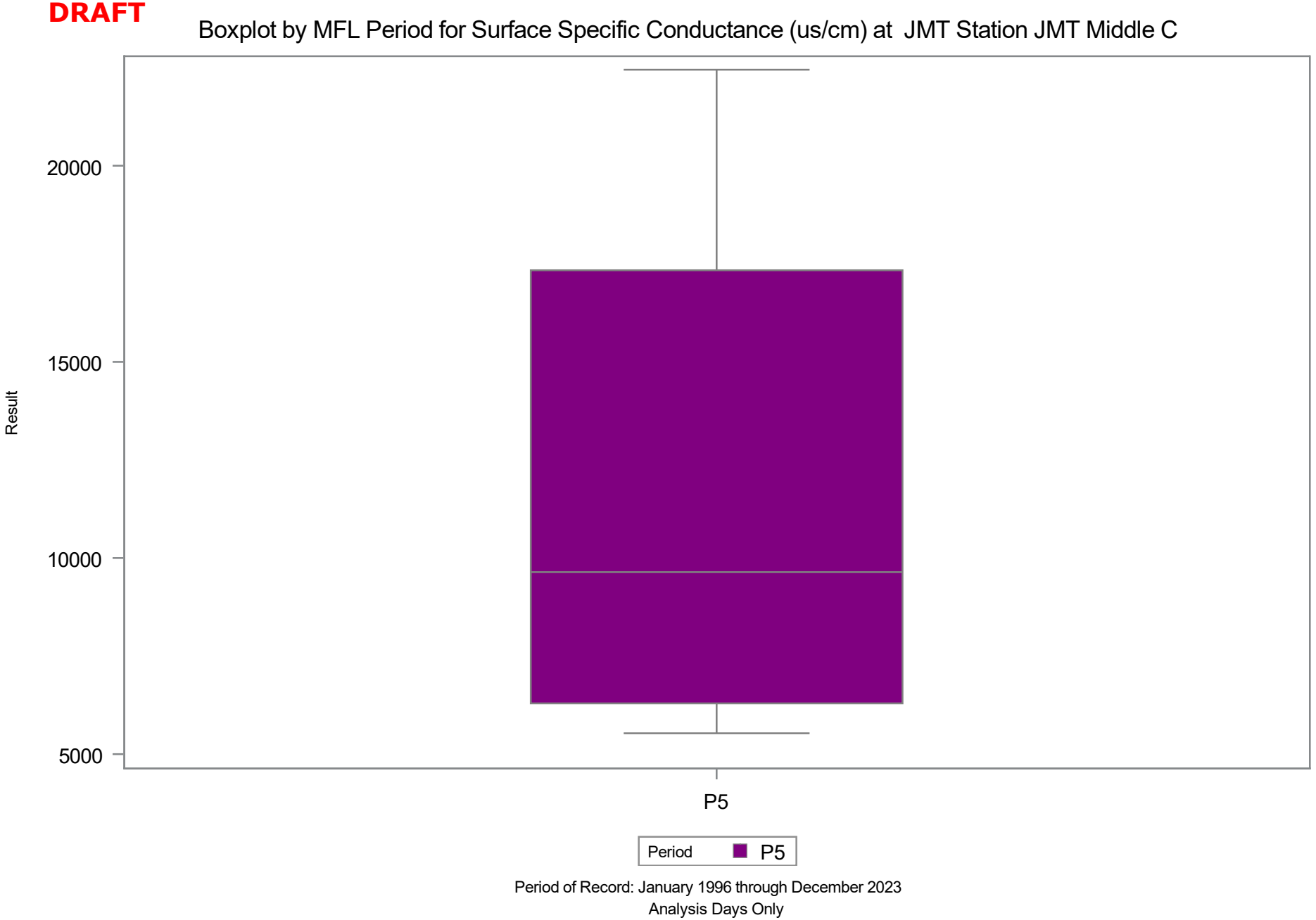
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle C

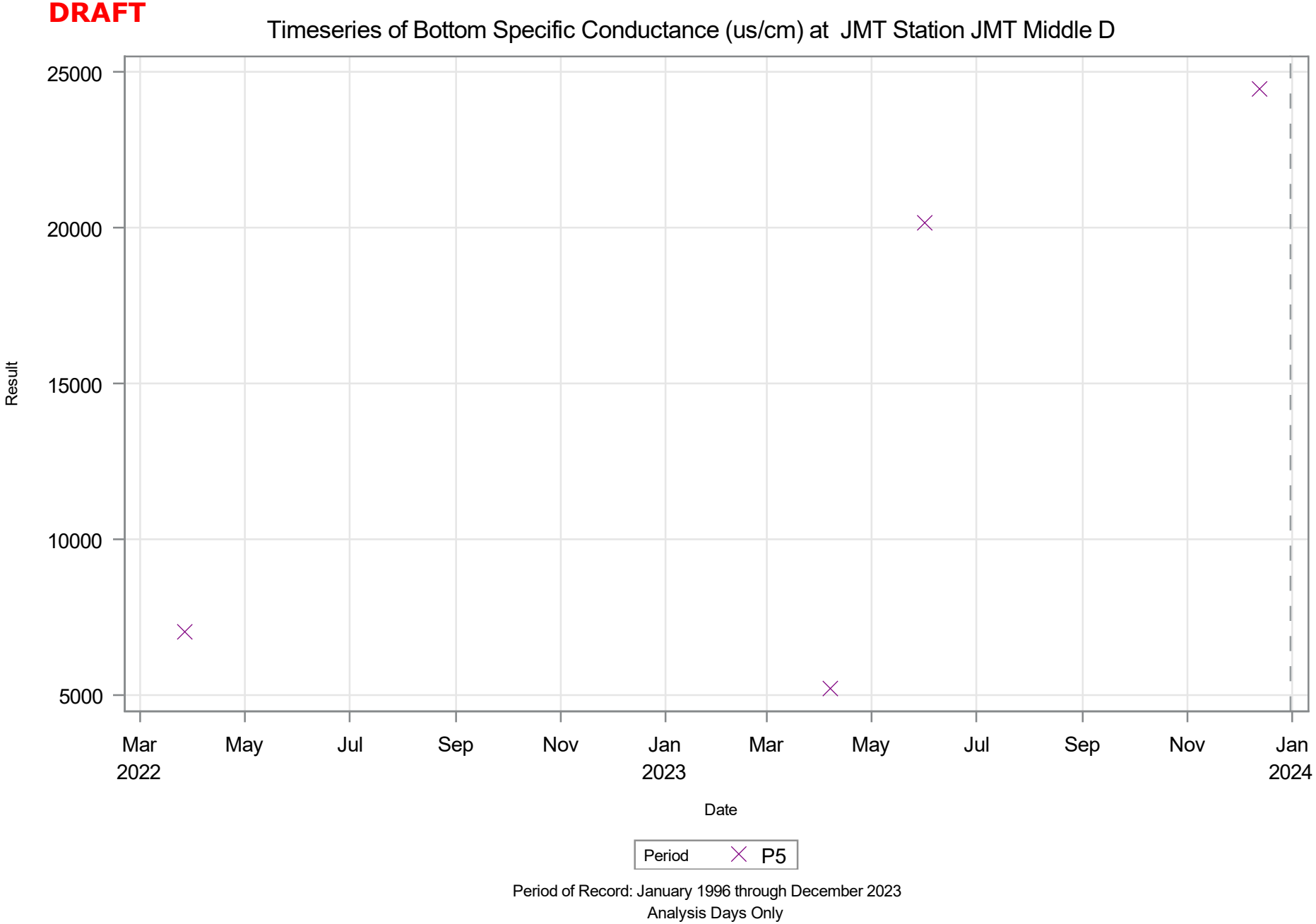
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	5532.00	6295.00	11814.75	9640.00	17334.50	22447.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

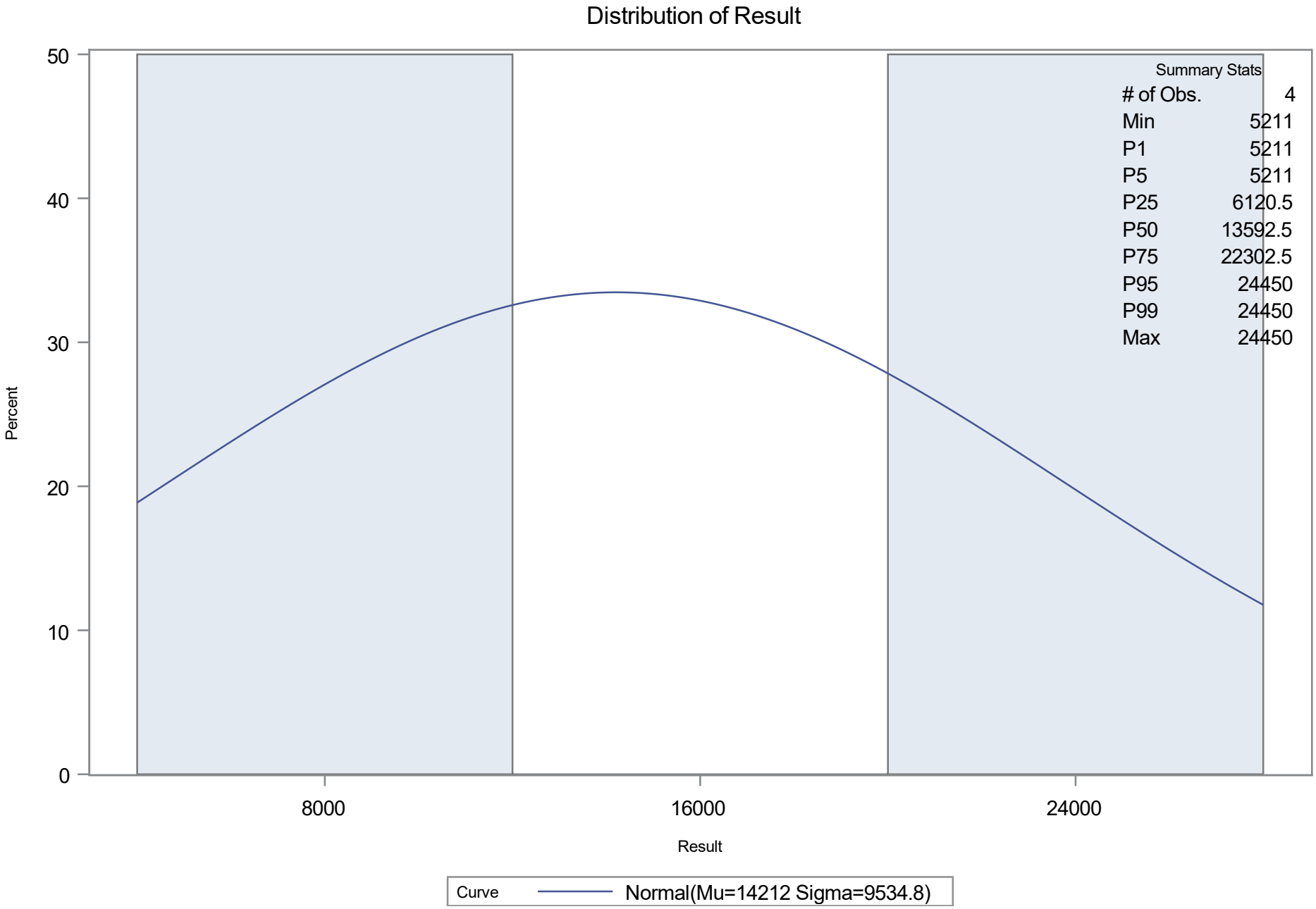

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle C
Result
20000
15000
10000
5000
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle D
Result
25000
20000
15000
10000
5000
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14211.5
Std Dev	Sigma	9534.761

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27433254	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05743579	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34198127	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5211.00	-7969.67
5.0	5211.00	-1471.79
10.0	5211.00	1992.21
25.0	6120.50	7780.40
50.0	13592.50	14211.50
75.0	22302.50	20642.60
90.0	24450.00	26430.79
95.0	24450.00	29894.79
99.0	24450.00	36392.67

Period of Record: January 1996 through December 2023
Analysis Days Only

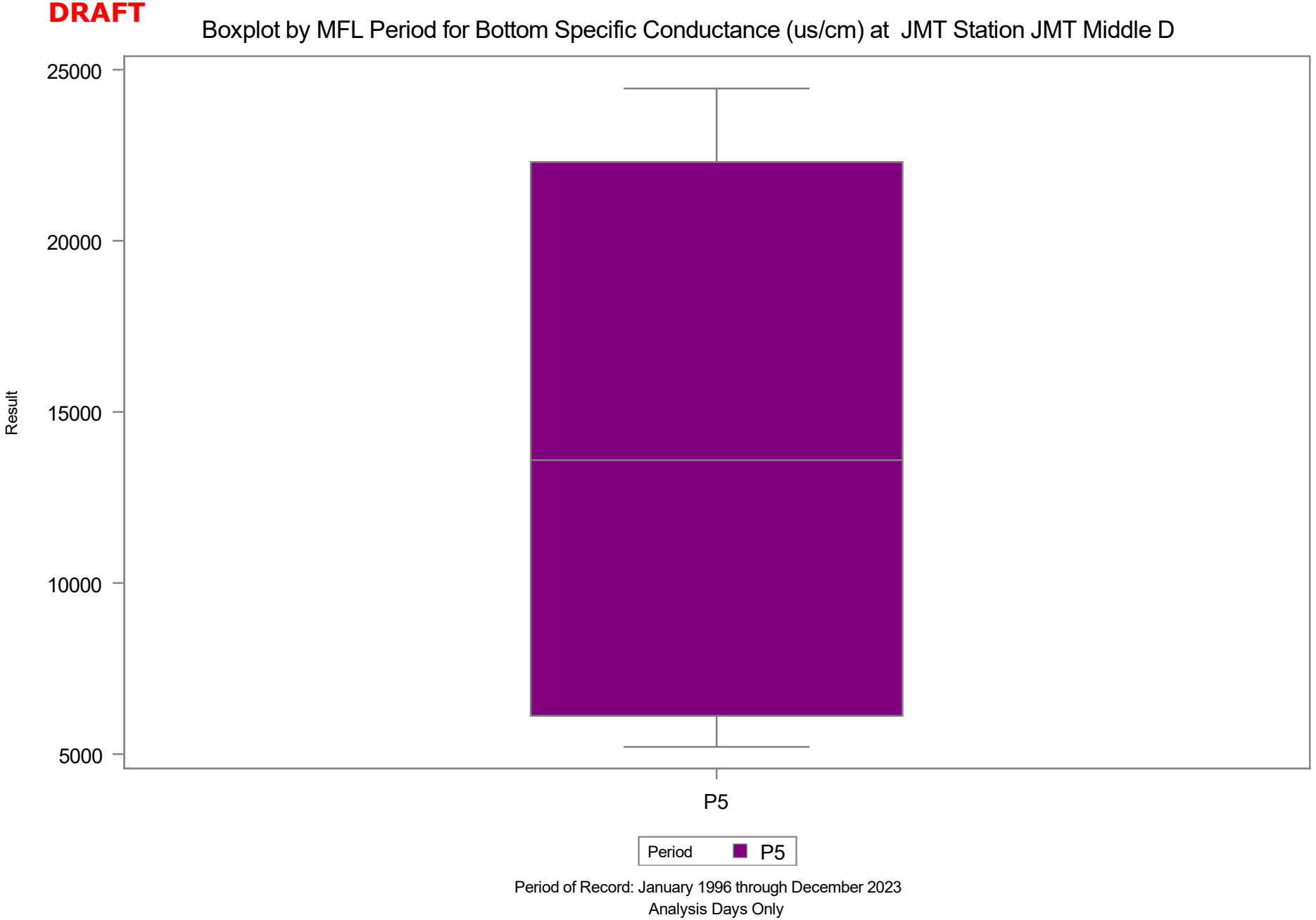
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle D

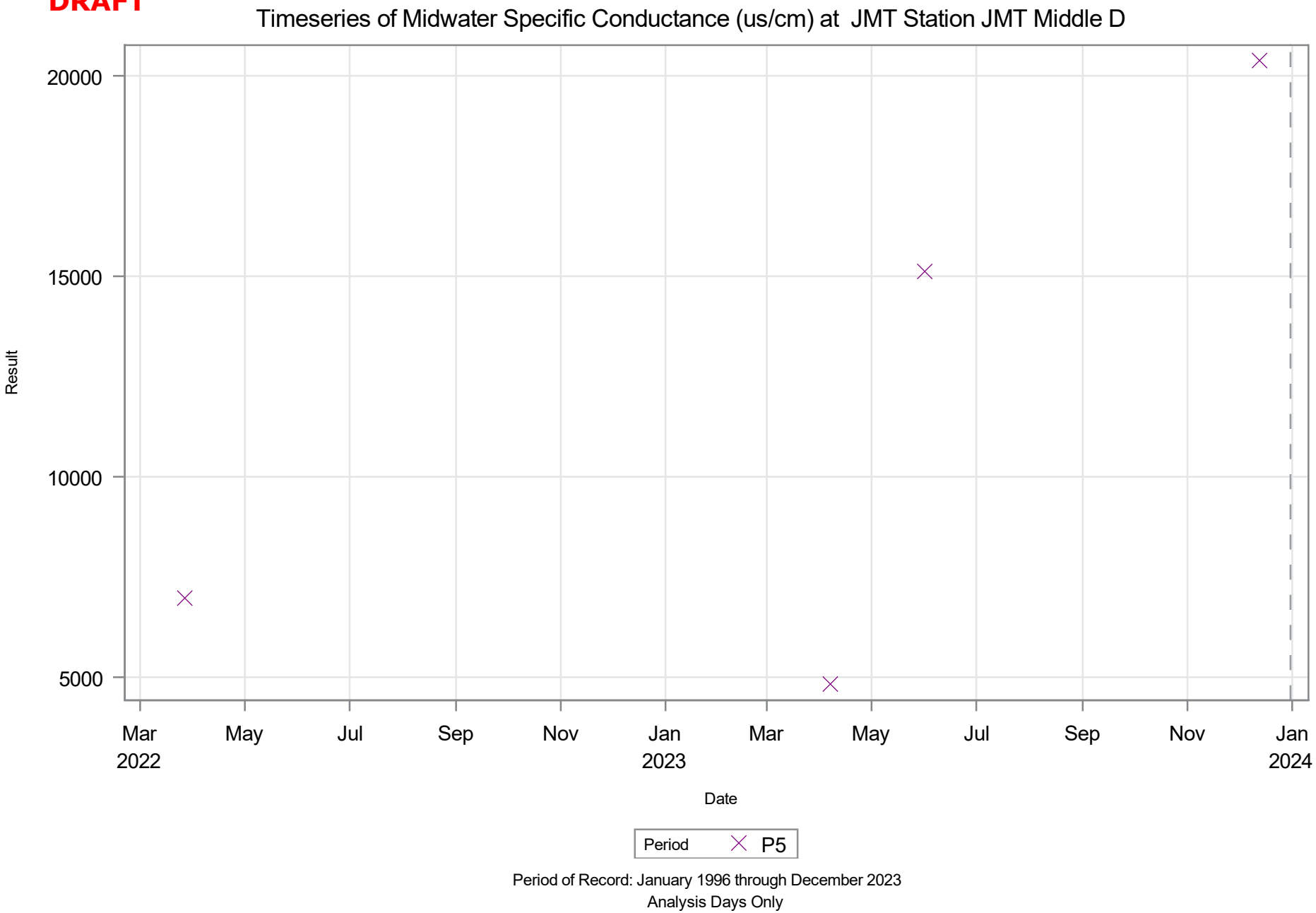
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	5211.00	6120.50	14211.50	13592.50	22302.50	24450.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

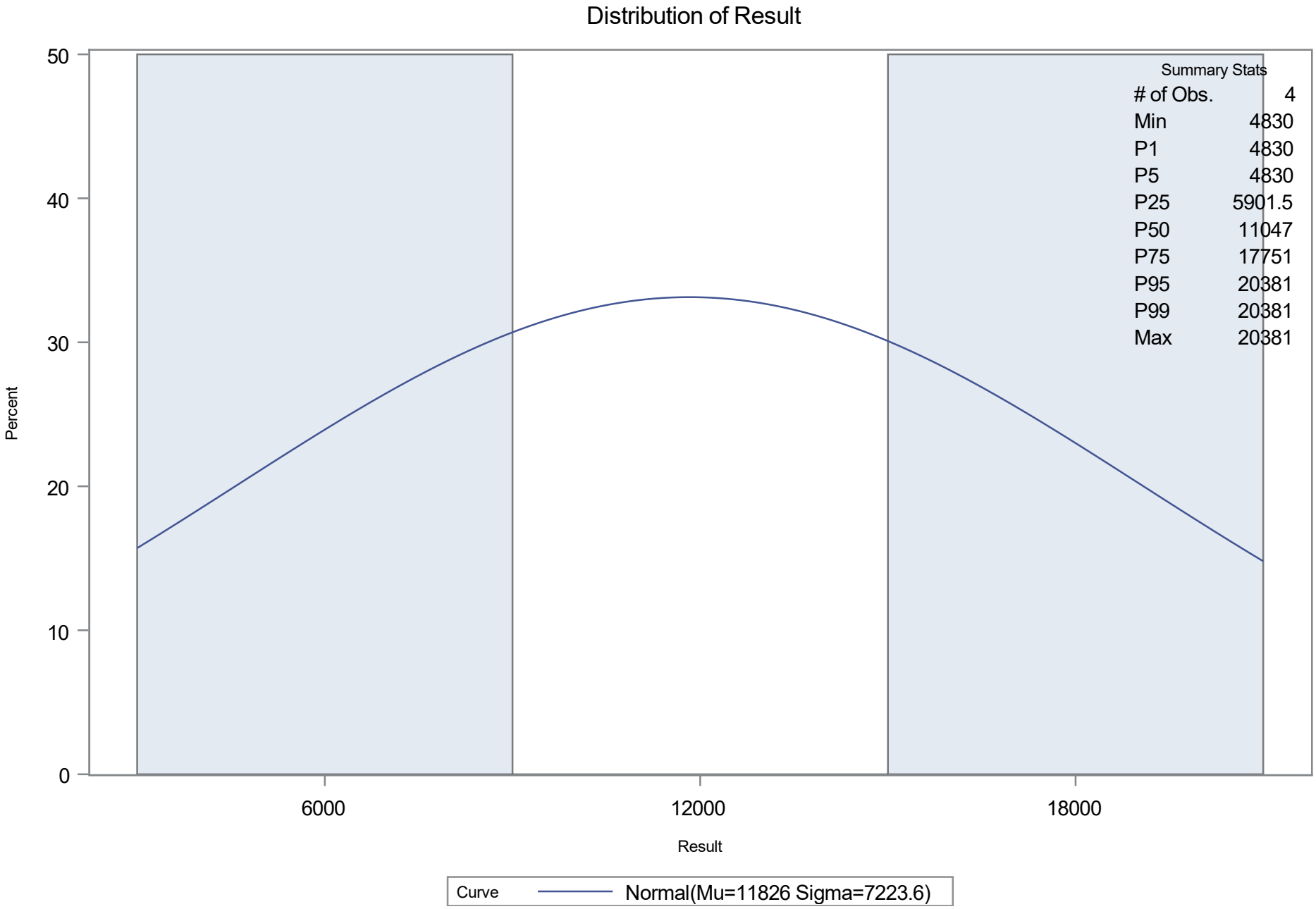

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Middle D
Result
25000
20000
15000
10000
5000
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle D
20000
15000
10000
5000
Result
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11826.25
Std Dev	Sigma	7223.588

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24916403	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04059527	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25367339	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4830.00	-4978.3288
5.0	4830.00	-55.4951
10.0	4830.00	2568.8494
25.0	5901.50	6954.0139
50.0	11047.00	11826.2500
75.0	17751.00	16698.4861
90.0	20381.00	21083.6506
95.0	20381.00	23707.9951
99.0	20381.00	28630.8288

Period of Record: January 1996 through December 2023
Analysis Days Only

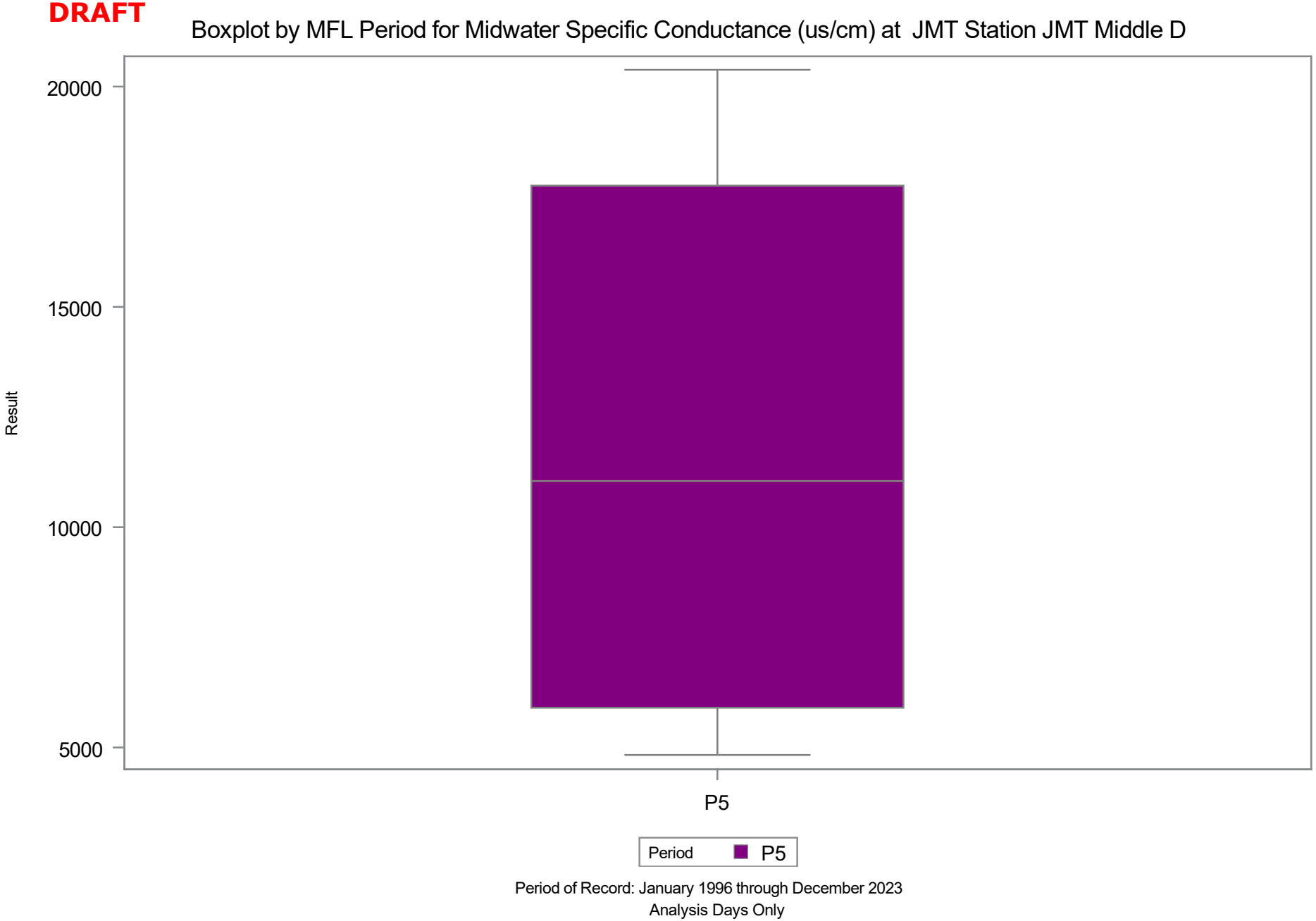
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle D

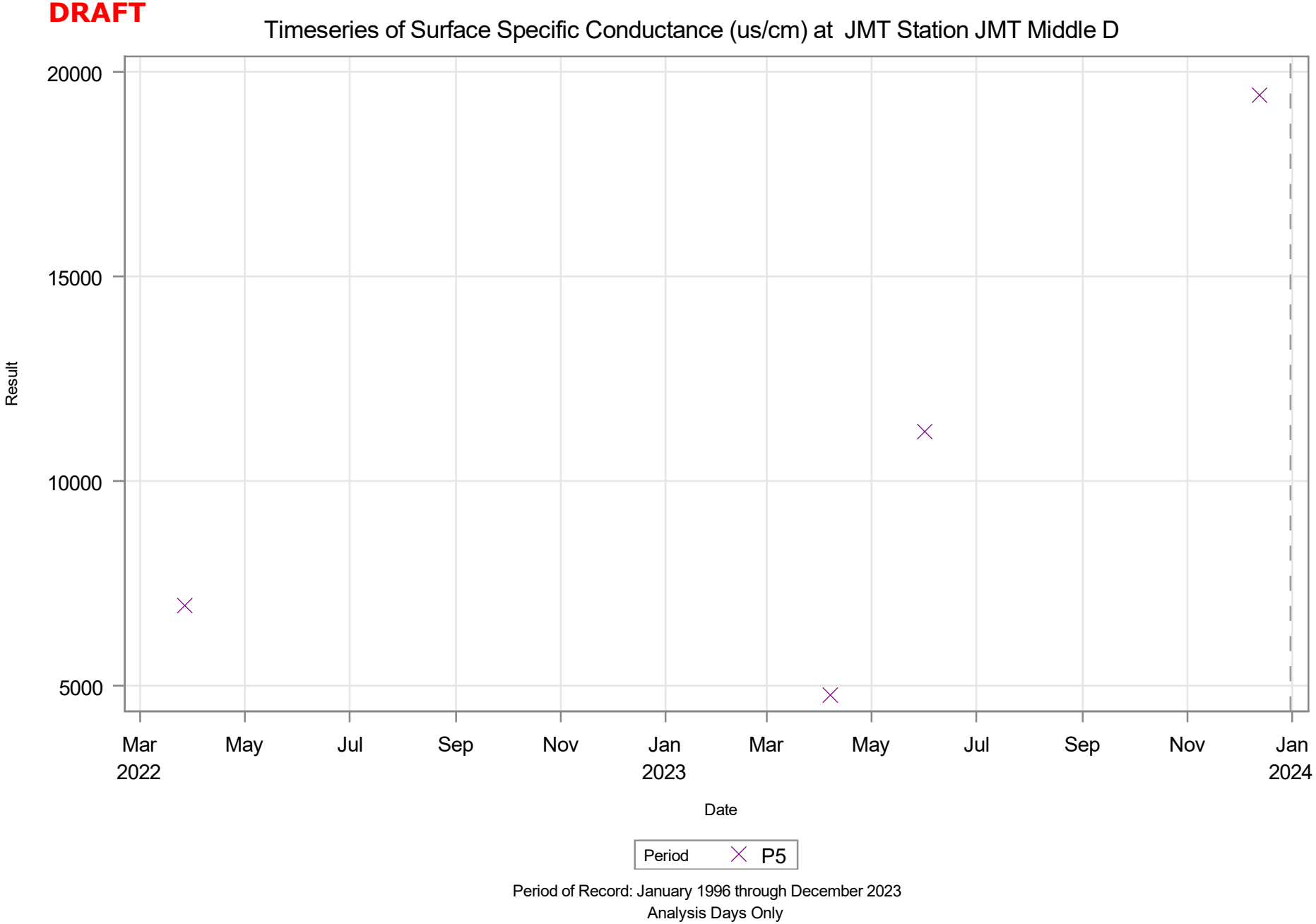
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	4830.00	5901.50	11826.25	11047.00	17751.00	20381.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

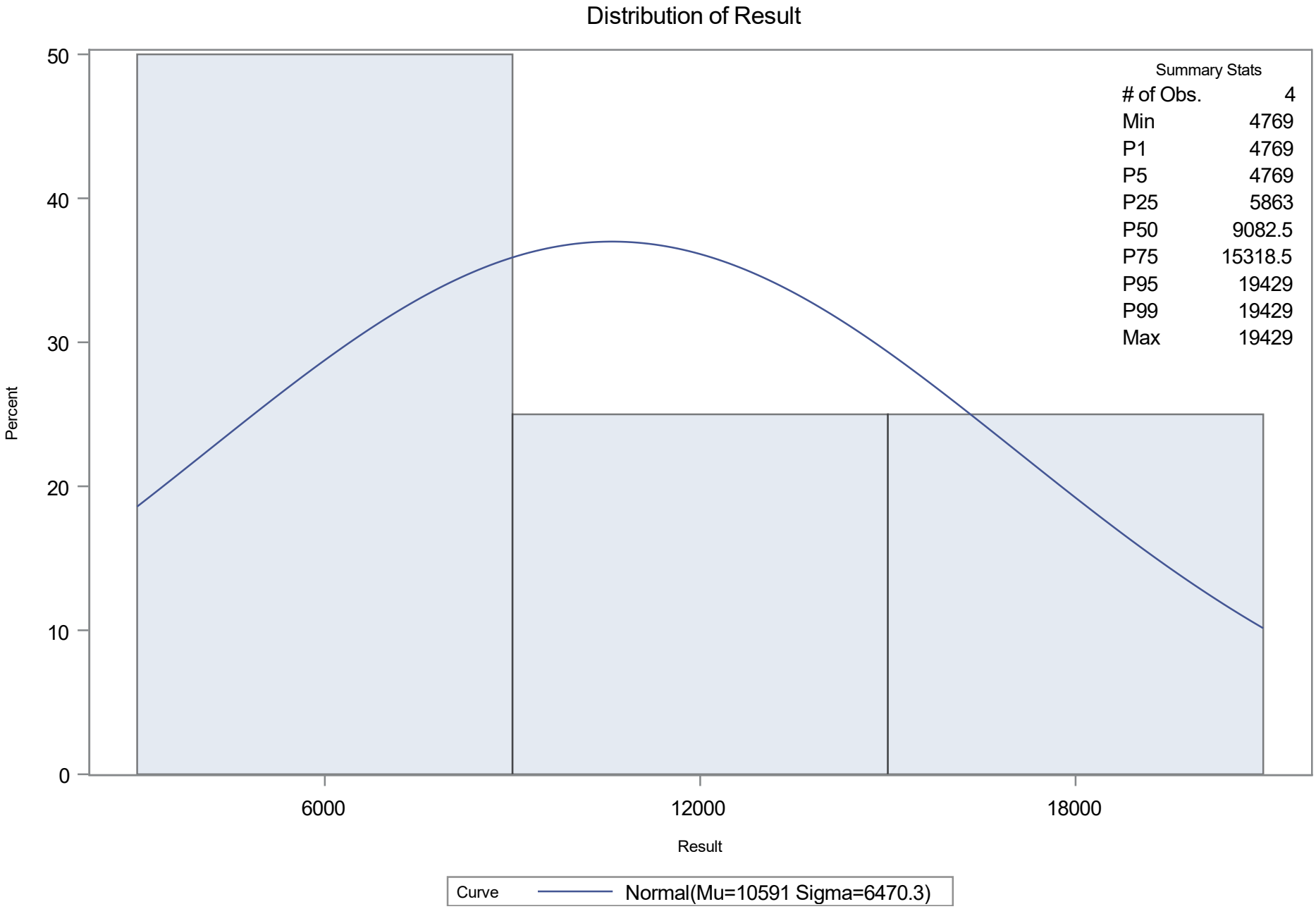

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Middle D
20000
15000
10000
5000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Middle D
20000
15000
10000
5000
Result
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10590.75
Std Dev	Sigma	6470.254

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21280862	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04113101	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26279026	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4769.00	-4461.3124
5.0	4769.00	-51.8713
10.0	4769.00	2298.7855
25.0	5863.00	6226.6298
50.0	9082.50	10590.7500
75.0	15318.50	14954.8702
90.0	19429.00	18882.7145
95.0	19429.00	21233.3713
99.0	19429.00	25642.8124

Period of Record: January 1996 through December 2023
Analysis Days Only

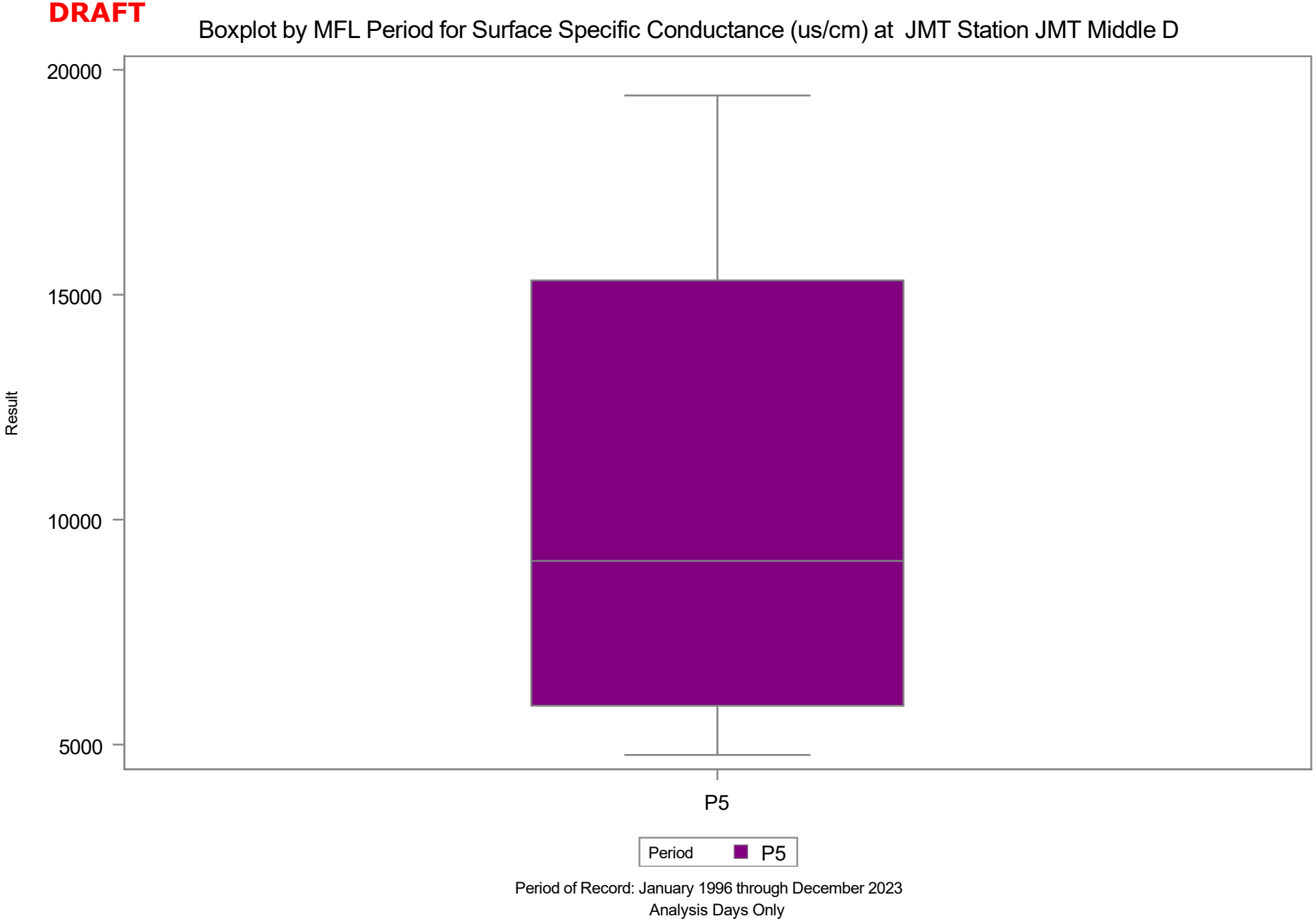
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle D

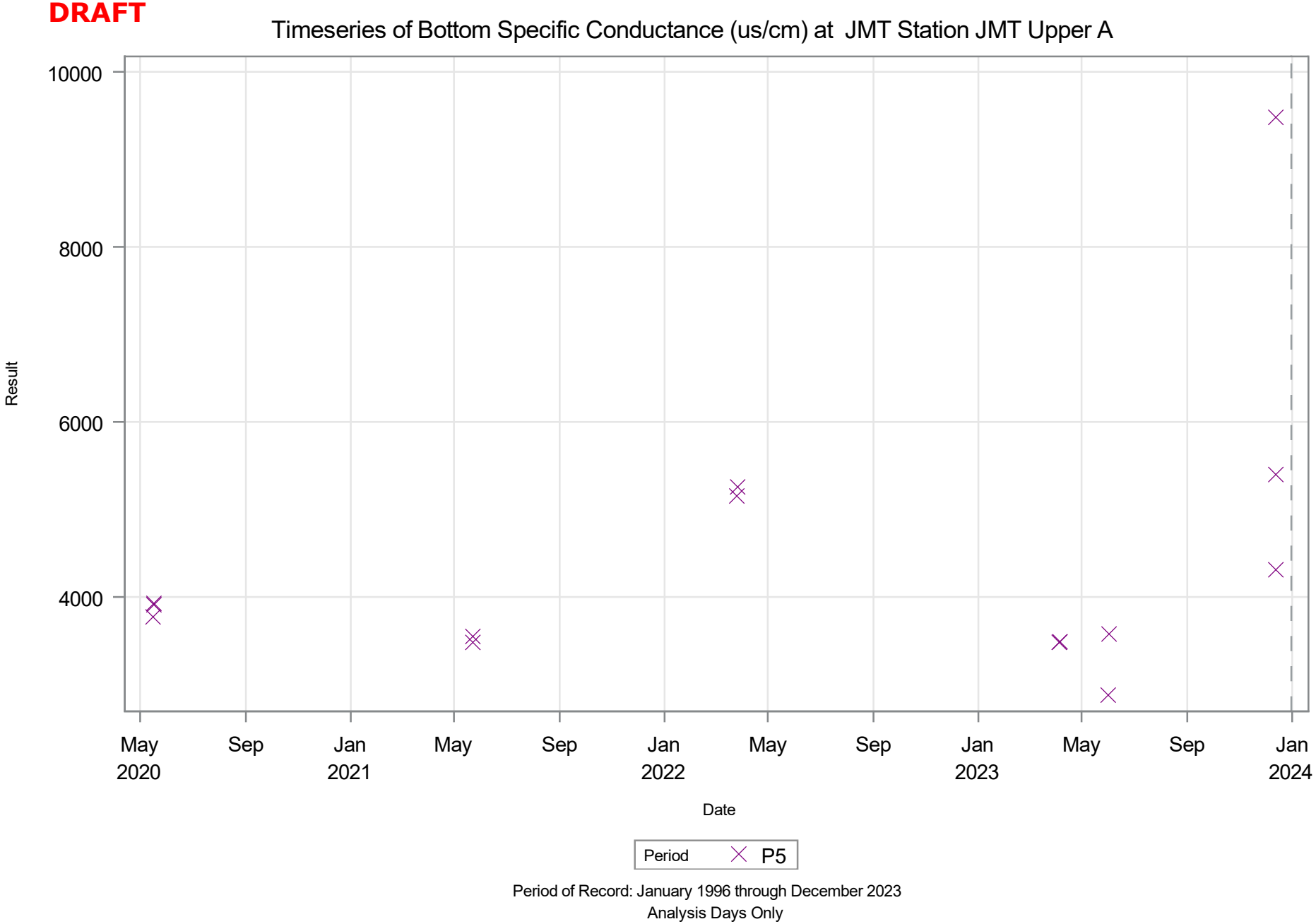
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	4769.00	5863.00	10590.75	9082.50	15318.50	19429.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Middle D
20000
15000
10000
5000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

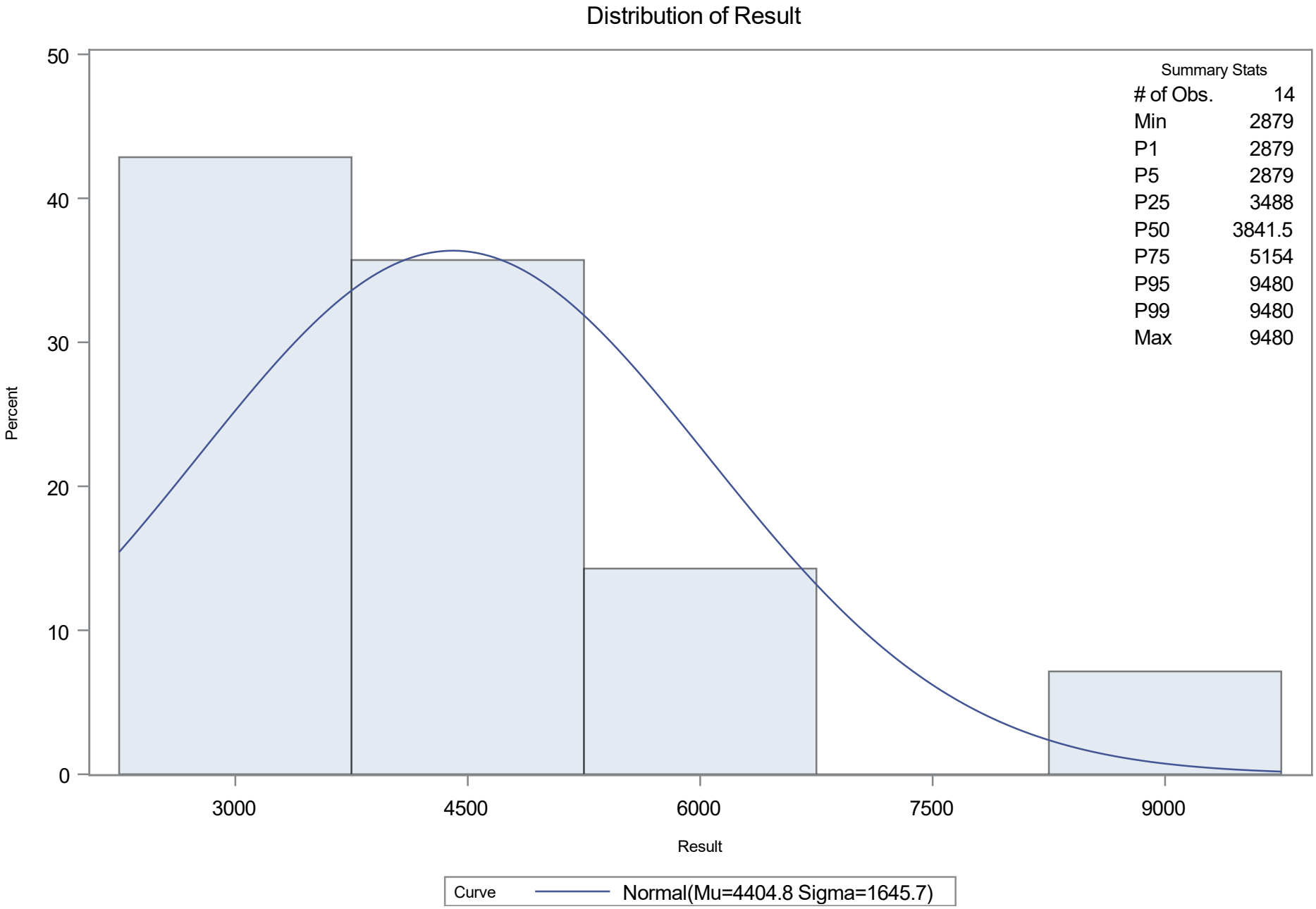
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4404.786
Std Dev	Sigma	1645.652

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25707610	**Pr > D**	0.013
Cramer-von Mises	**W-Sq**	0.25502875	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.52137862	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2879.00	576.428
5.0	2879.00	1697.930
10.0	3481.00	2295.798
25.0	3488.00	3294.811
50.0	3841.50	4404.786
75.0	5154.00	5514.761
90.0	5399.00	6513.773
95.0	9480.00	7111.642
99.0	9480.00	8233.144

Period of Record: January 1996 through December 2023
Analysis Days Only

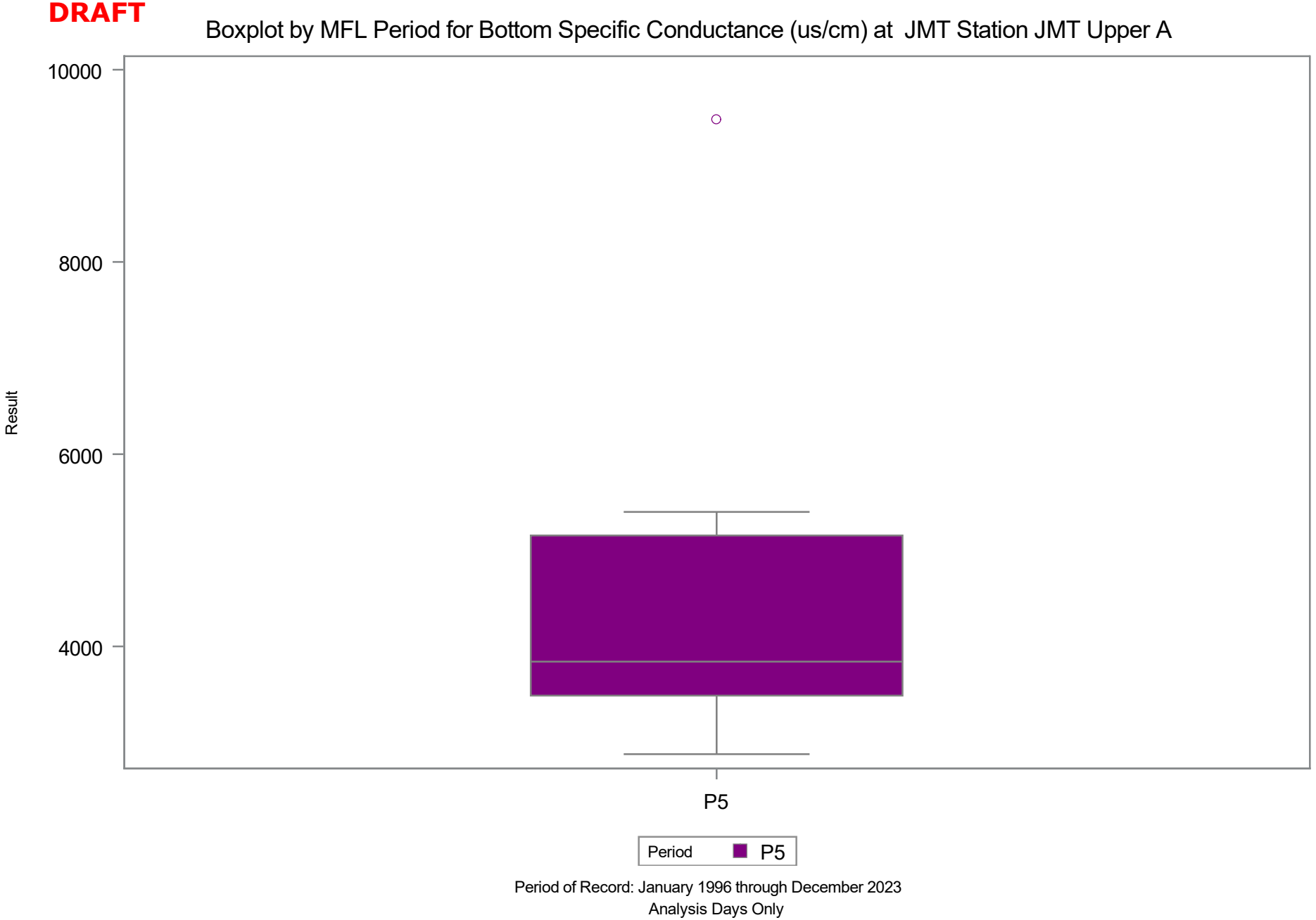
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper A

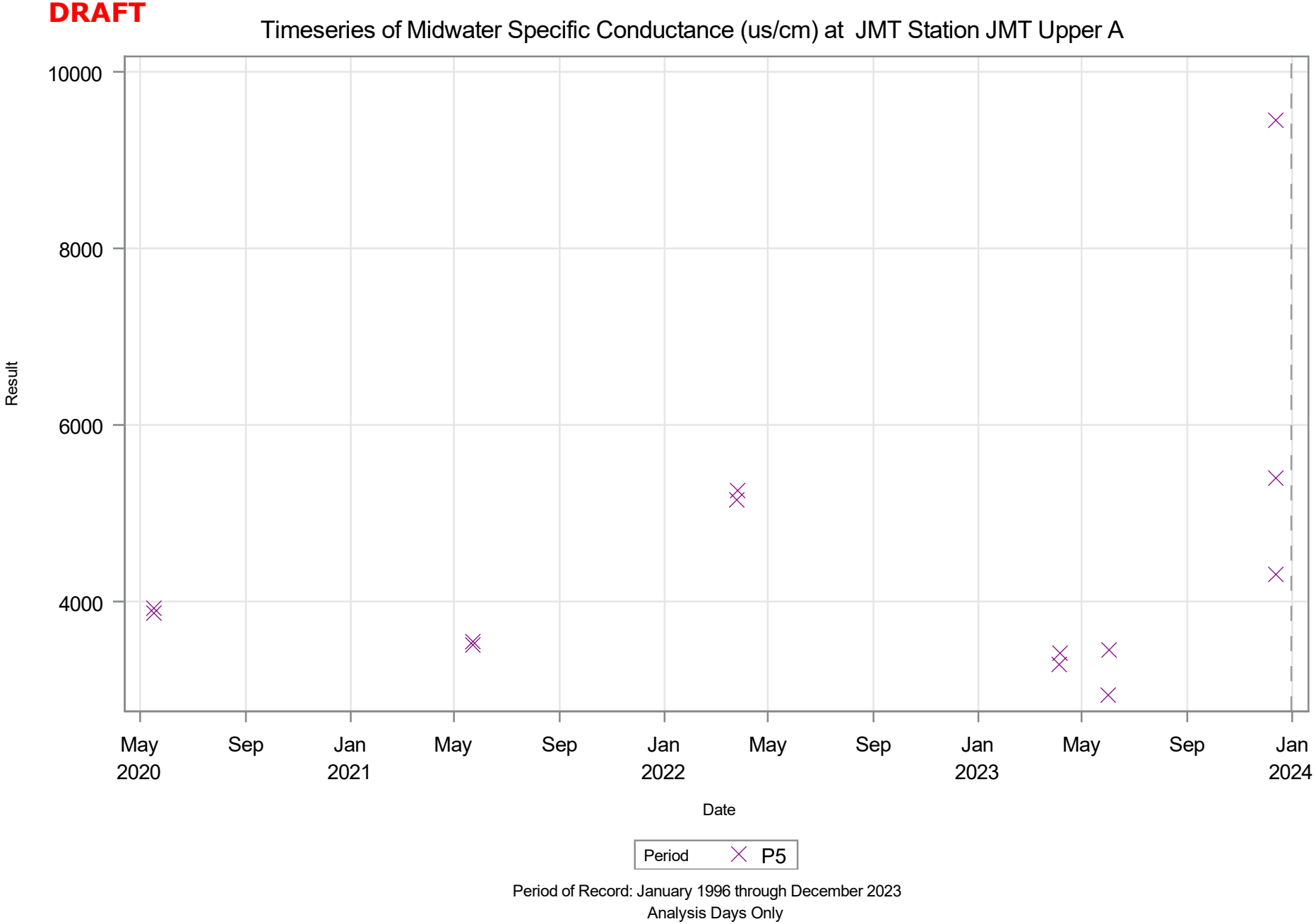
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2879.00	3488.00	4404.79	3841.50	5154.00	9480.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

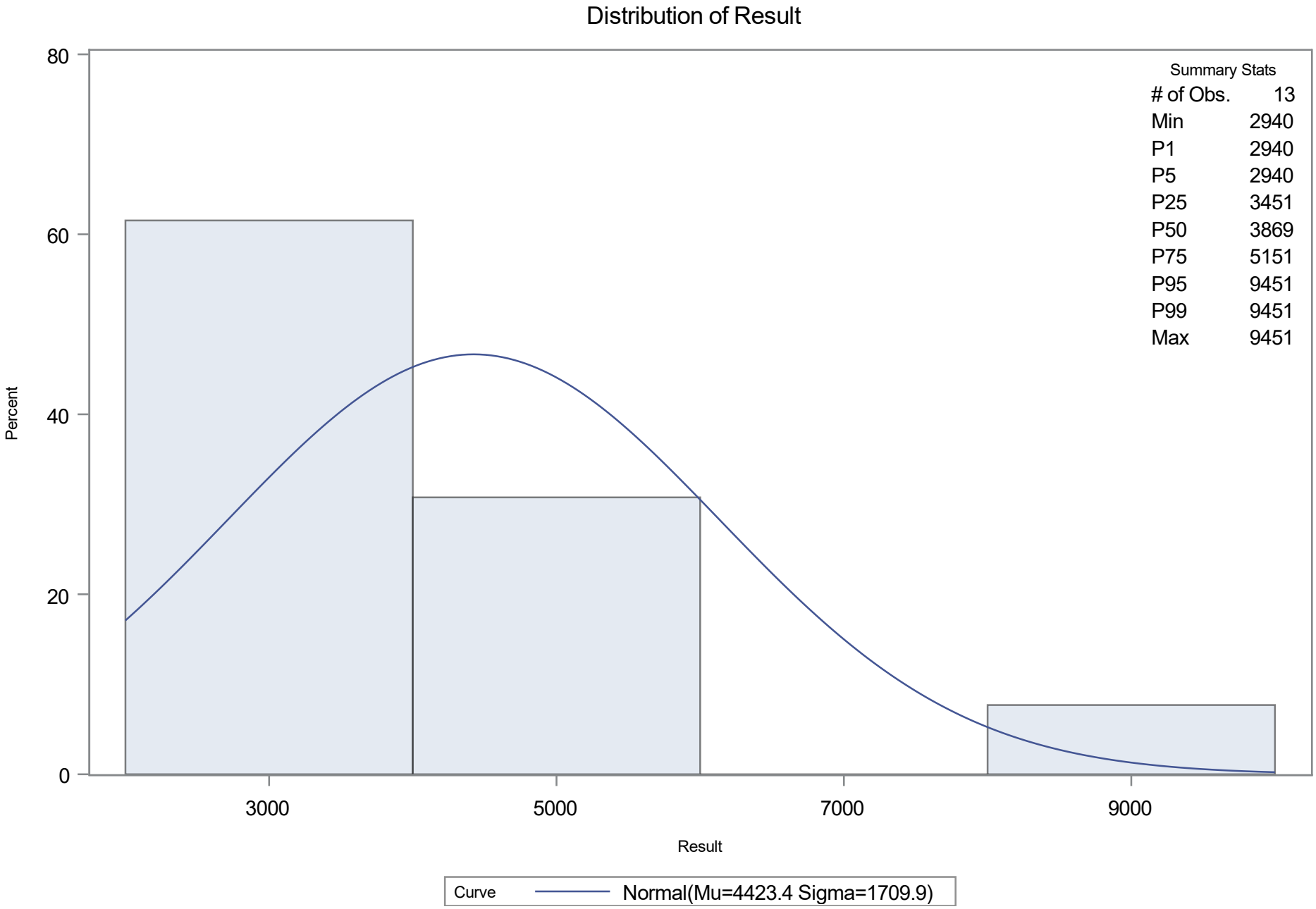

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper A
10000
8000
6000
4000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper A
10000
8000
6000
4000
Result
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4423.385
Std Dev	Sigma	1709.856

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23026512	**Pr > D**	0.058
Cramer-von Mises	**W-Sq**	0.20794773	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.28923018	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2940.00	445.664
5.0	2940.00	1610.921
10.0	3287.00	2232.115
25.0	3451.00	3270.104
50.0	3869.00	4423.385
75.0	5151.00	5576.665
90.0	5398.00	6614.654
95.0	9451.00	7235.848
99.0	9451.00	8401.105

Period of Record: January 1996 through December 2023
Analysis Days Only

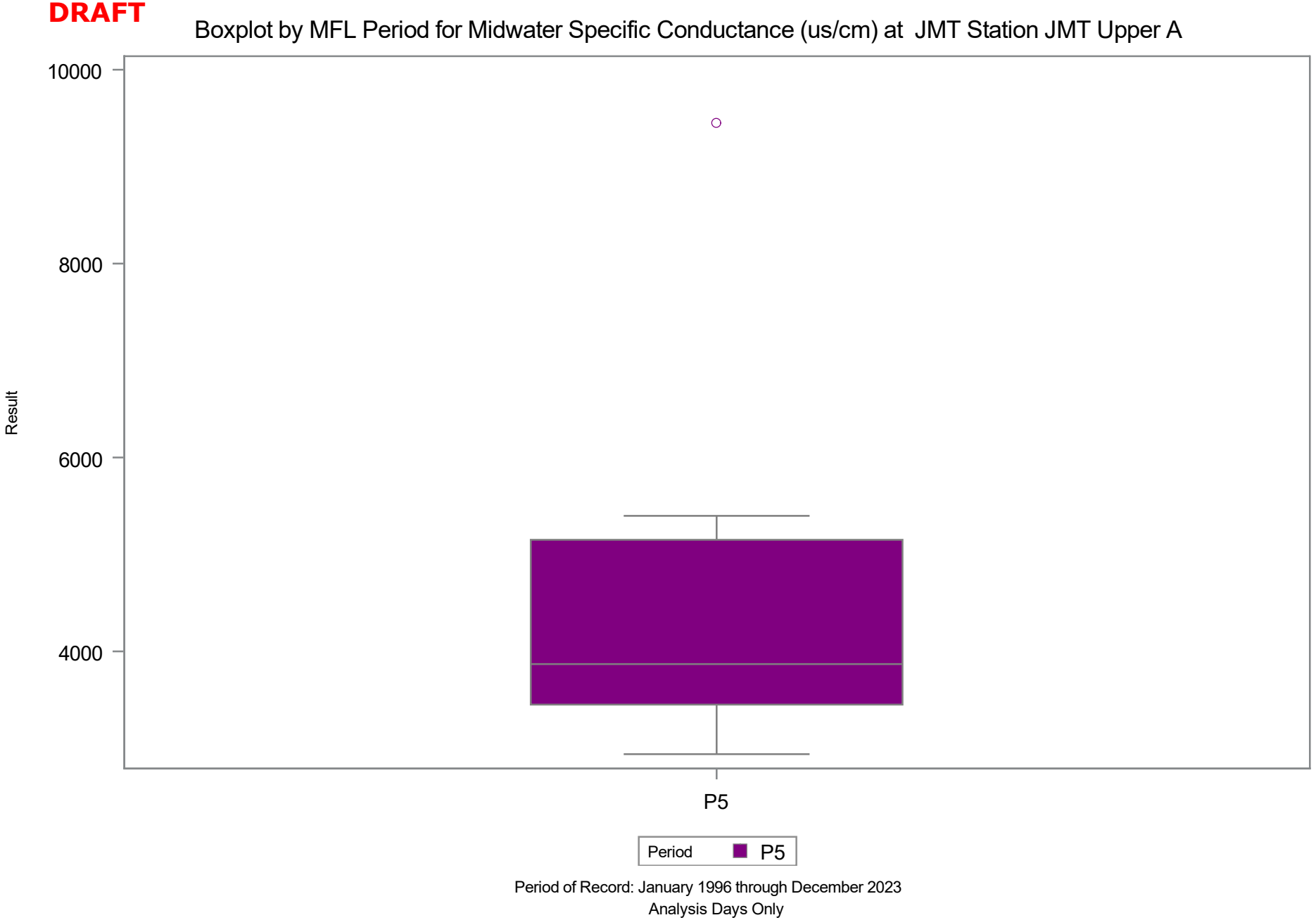
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper A

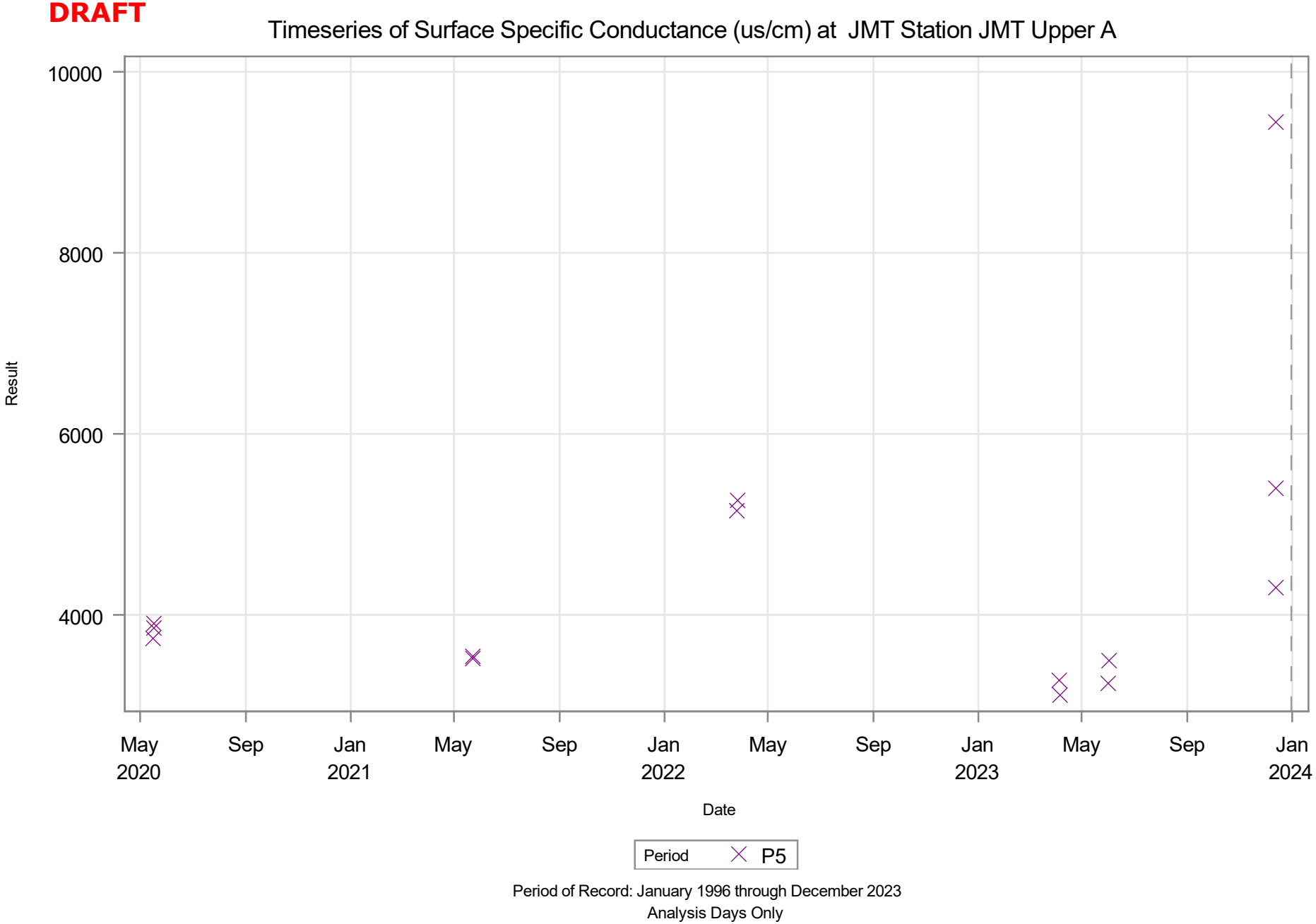
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	2940.00	3451.00	4423.38	3869.00	5151.00	9451.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper A
10000
8000
6000
4000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

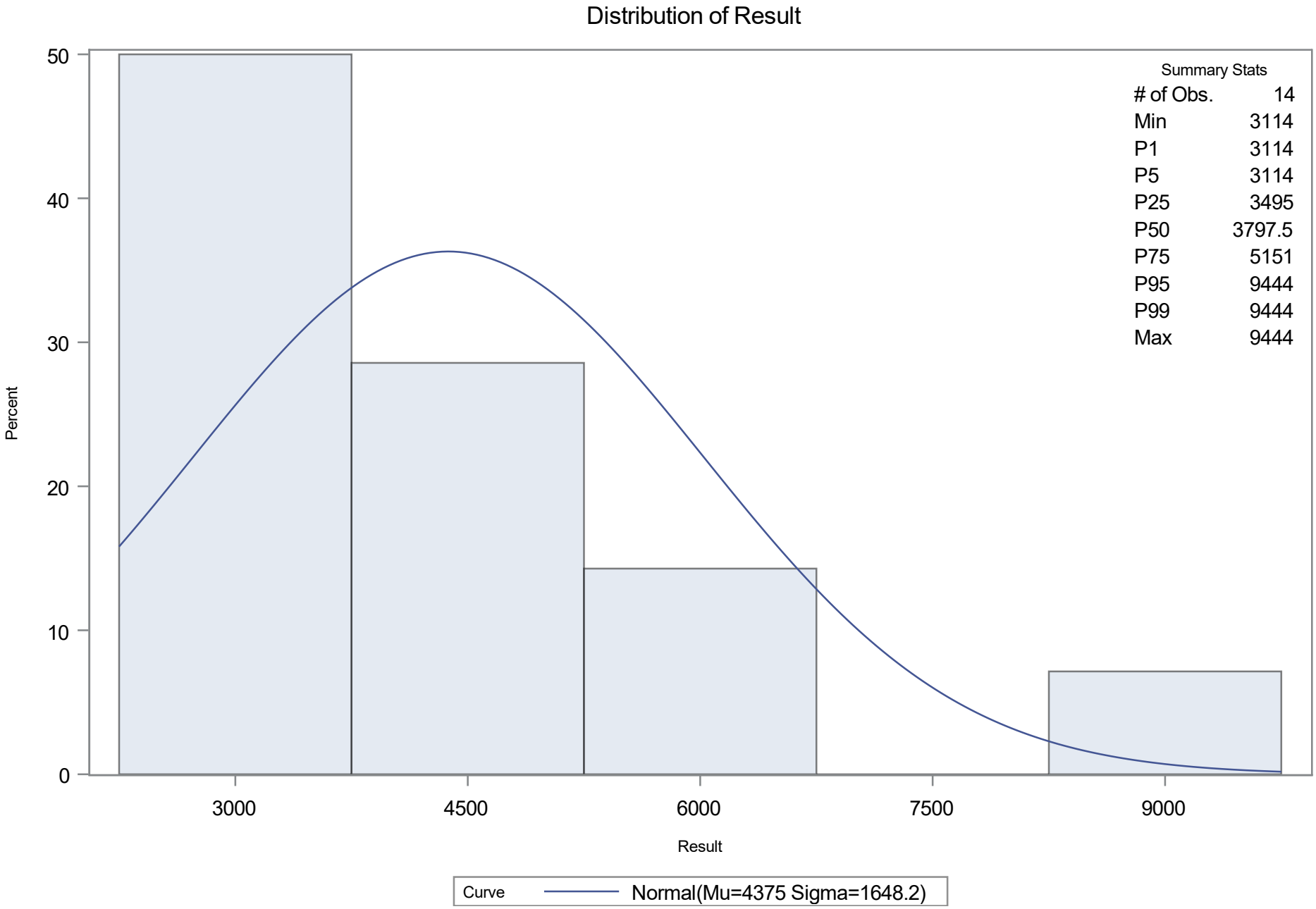
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4375
Std Dev	Sigma	1648.198

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25509633	**Pr > D**	0.015
Cramer-von Mises	**W-Sq**	0.24582271	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.49177649	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3114.00	540.718
5.0	3114.00	1663.955
10.0	3244.00	2262.749
25.0	3495.00	3263.307
50.0	3797.50	4375.000
75.0	5151.00	5486.693
90.0	5399.00	6487.251
95.0	9444.00	7086.045
99.0	9444.00	8209.282

Period of Record: January 1996 through December 2023
Analysis Days Only

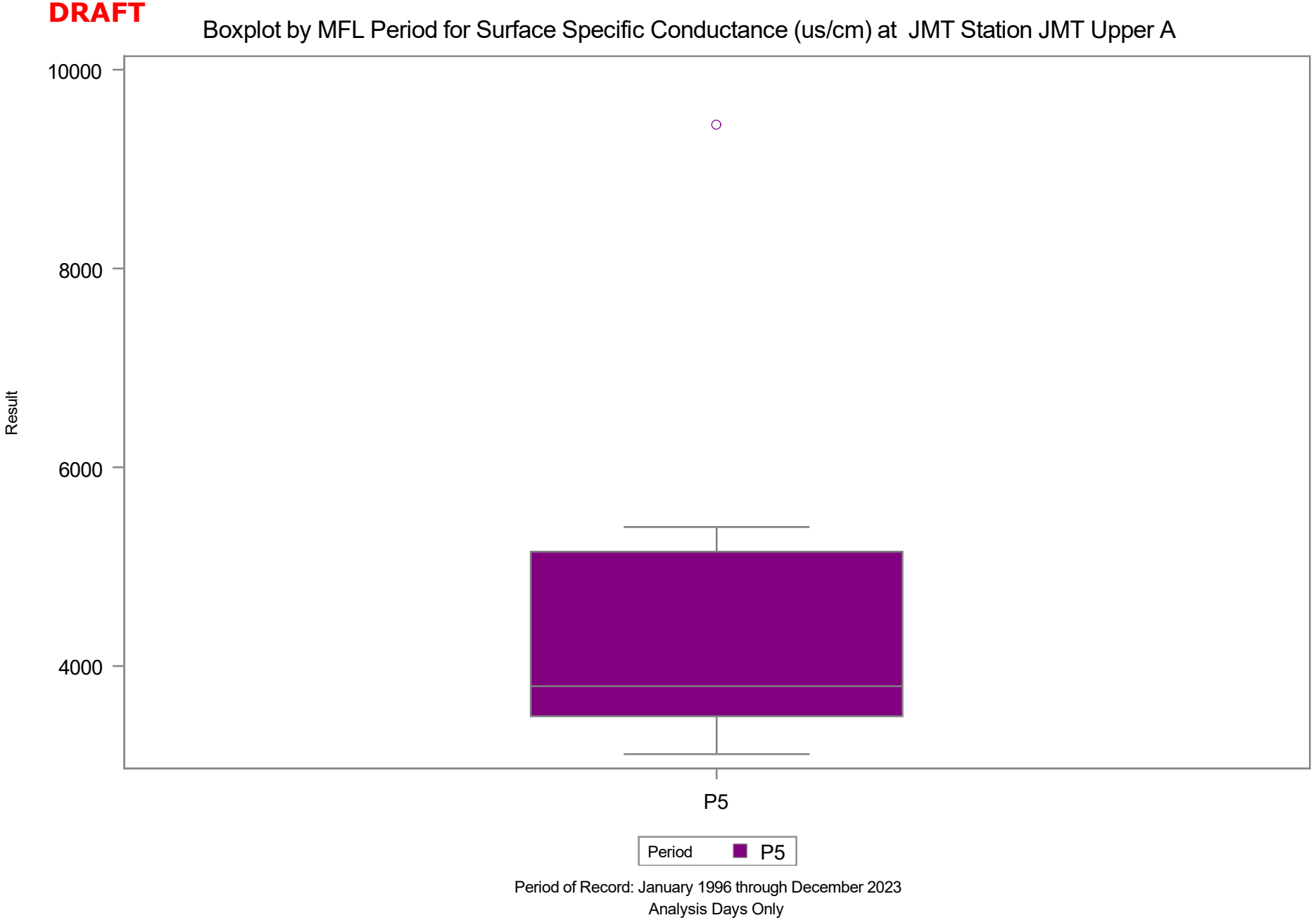
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper A

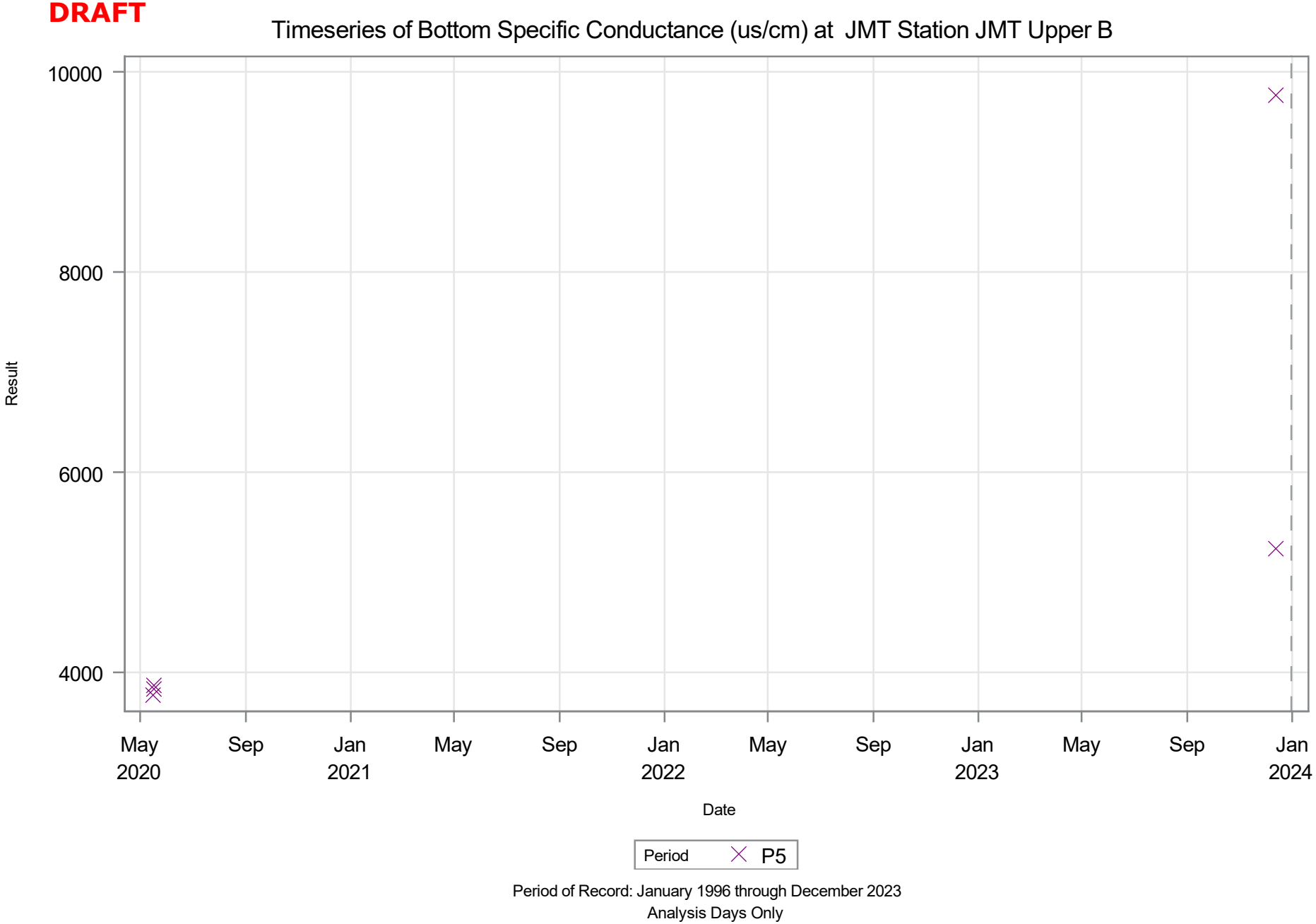
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	3114.00	3495.00	4375.00	3797.50	5151.00	9444.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper A
10000
8000
6000
4000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

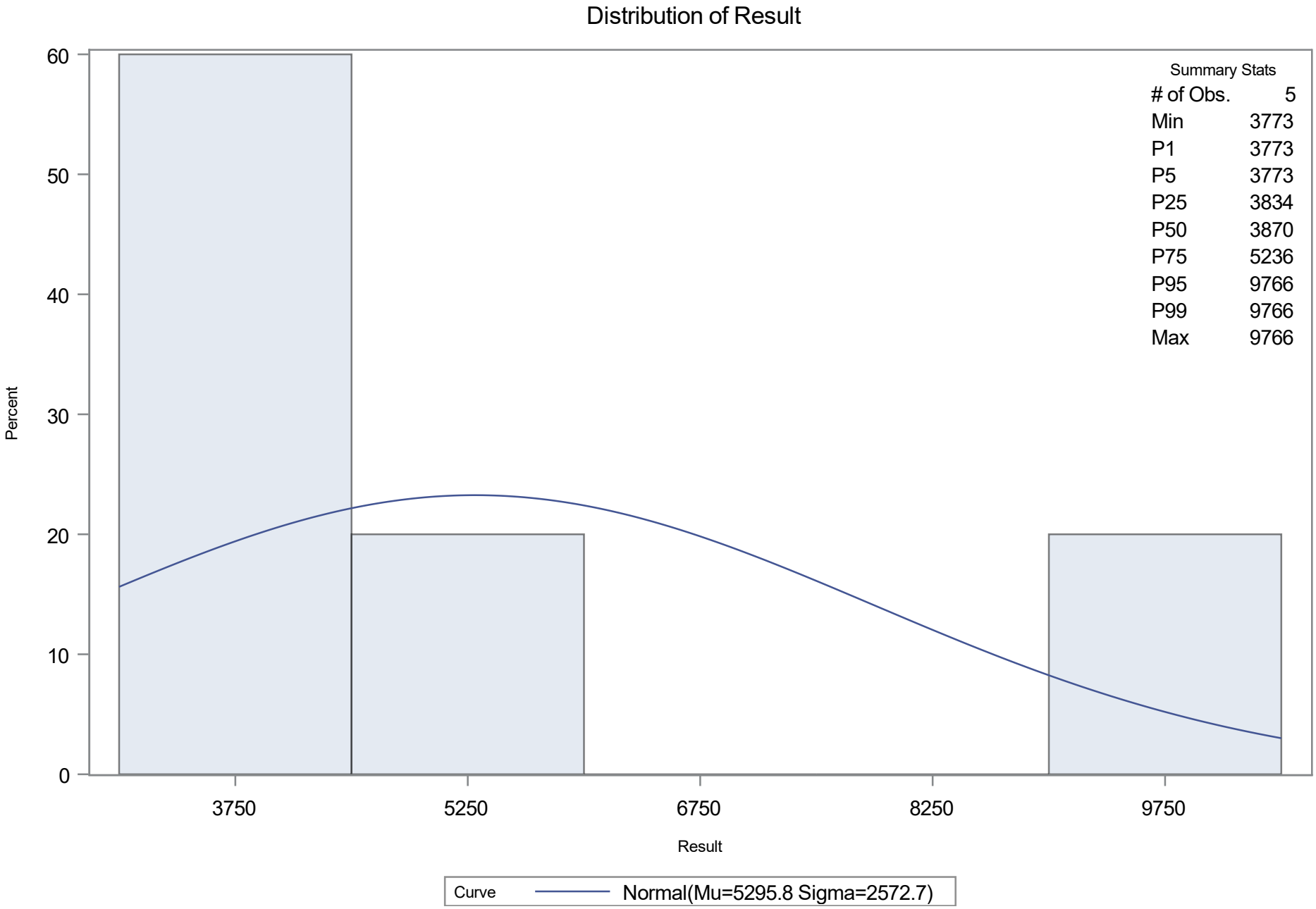
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5295.8
Std Dev	Sigma	2572.691

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31028098	**Pr > D**	0.112
Cramer-von Mises	**W-Sq**	0.13968341	**Pr > W-Sq**	0.022
Anderson-Darling	**A-Sq**	0.75949512	**Pr > A-Sq**	0.019

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3773.00	-689.173
5.0	3773.00	1064.100
10.0	3773.00	1998.764
25.0	3834.00	3560.547
50.0	3870.00	5295.800
75.0	5236.00	7031.053
90.0	9766.00	8592.836
95.0	9766.00	9527.500
99.0	9766.00	11280.773

Period of Record: January 1996 through December 2023
Analysis Days Only

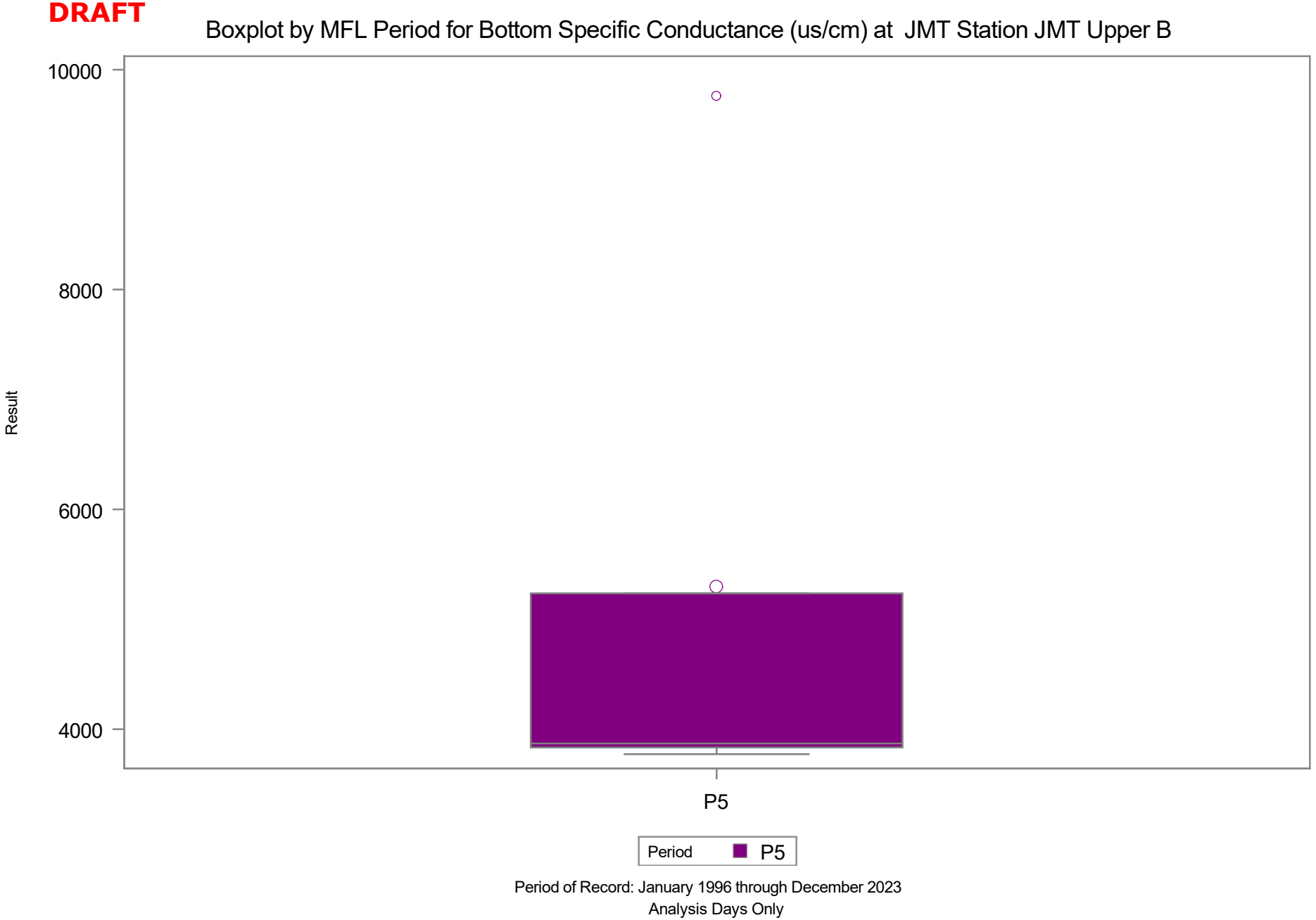
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper B

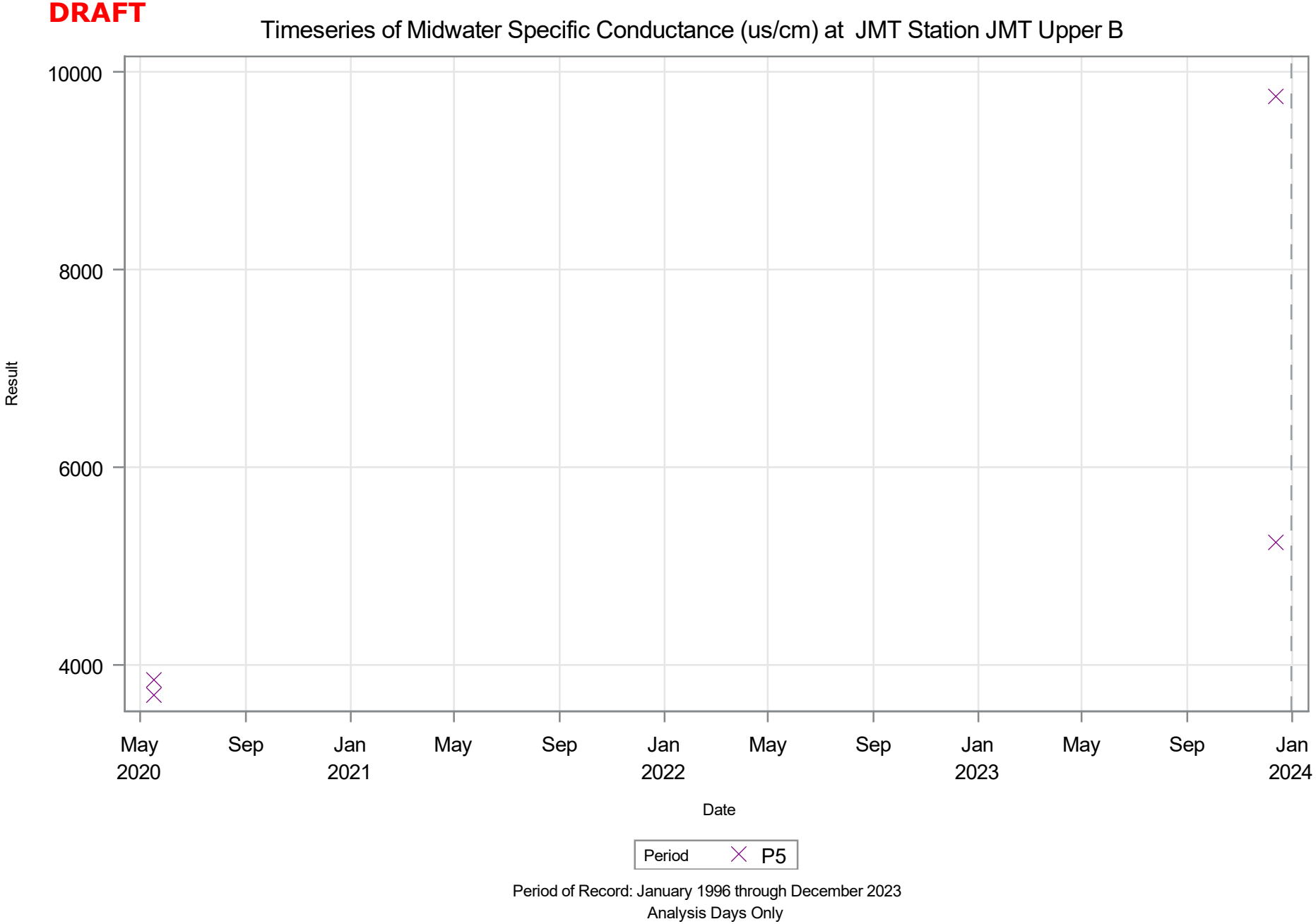
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	3773.00	3834.00	5295.80	3870.00	5236.00	9766.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

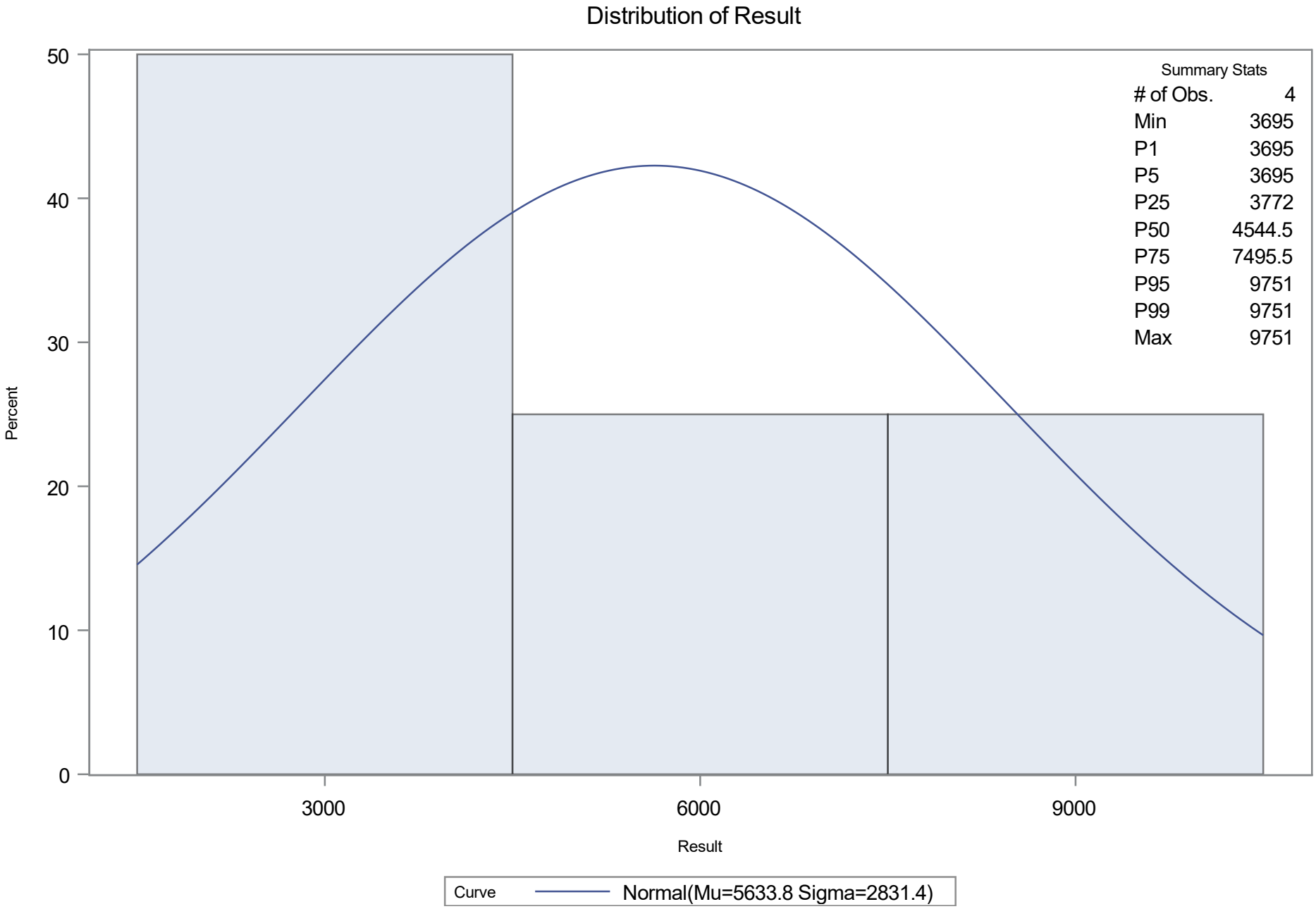

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper B
10000
8000
6000
4000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper B
10000
8000
6000
4000
Result
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5633.75
Std Dev	Sigma	2831.423

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30530035	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08314368	**Pr > W-Sq**	0.140
Anderson-Darling	**A-Sq**	0.46864819	**Pr > A-Sq**	0.106

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3695.00	-953.125
5.0	3695.00	976.473
10.0	3695.00	2005.135
25.0	3772.00	3723.984
50.0	4544.50	5633.750
75.0	7495.50	7543.516
90.0	9751.00	9262.365
95.0	9751.00	10291.027
99.0	9751.00	12220.625

Period of Record: January 1996 through December 2023
Analysis Days Only

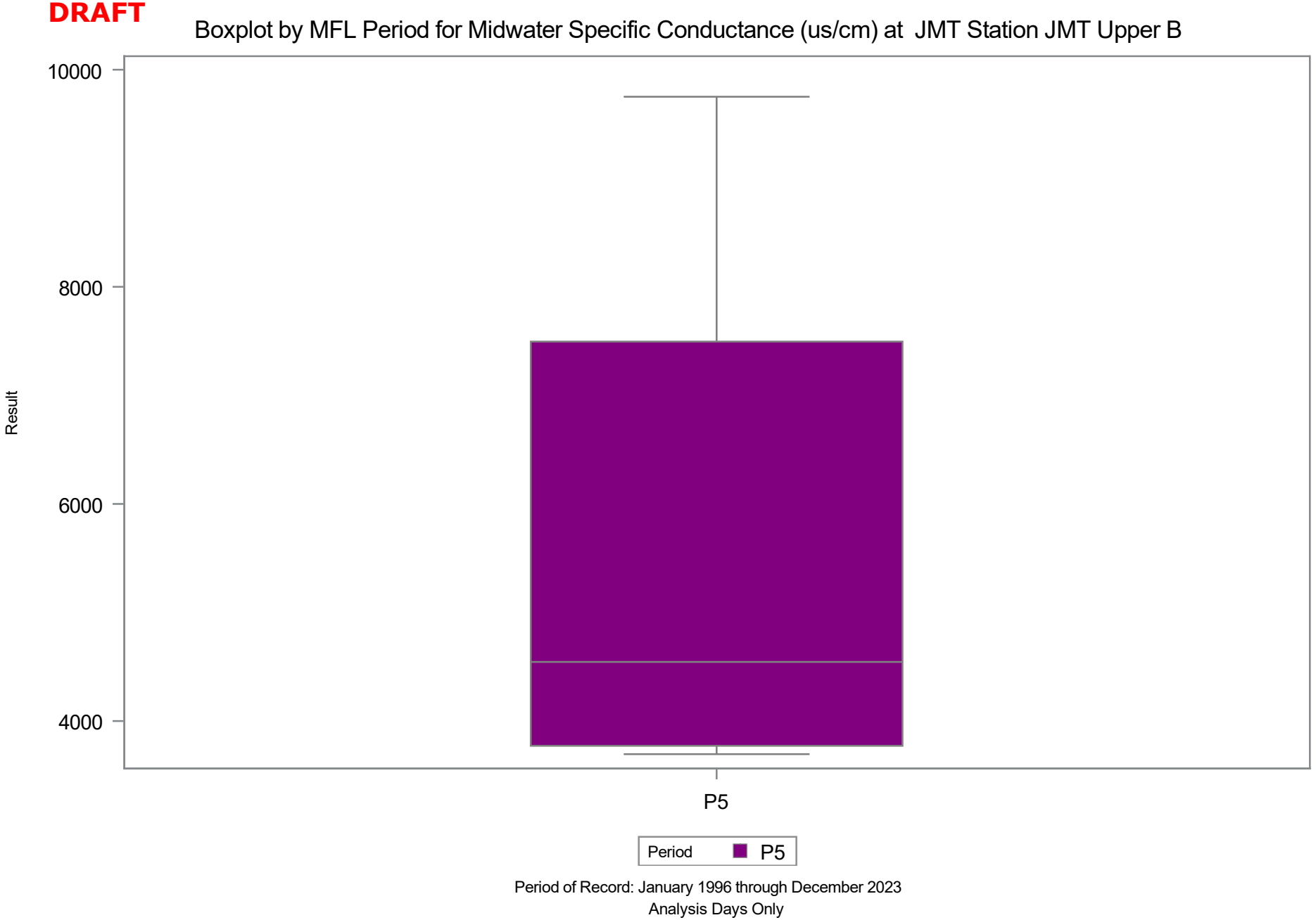
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper B

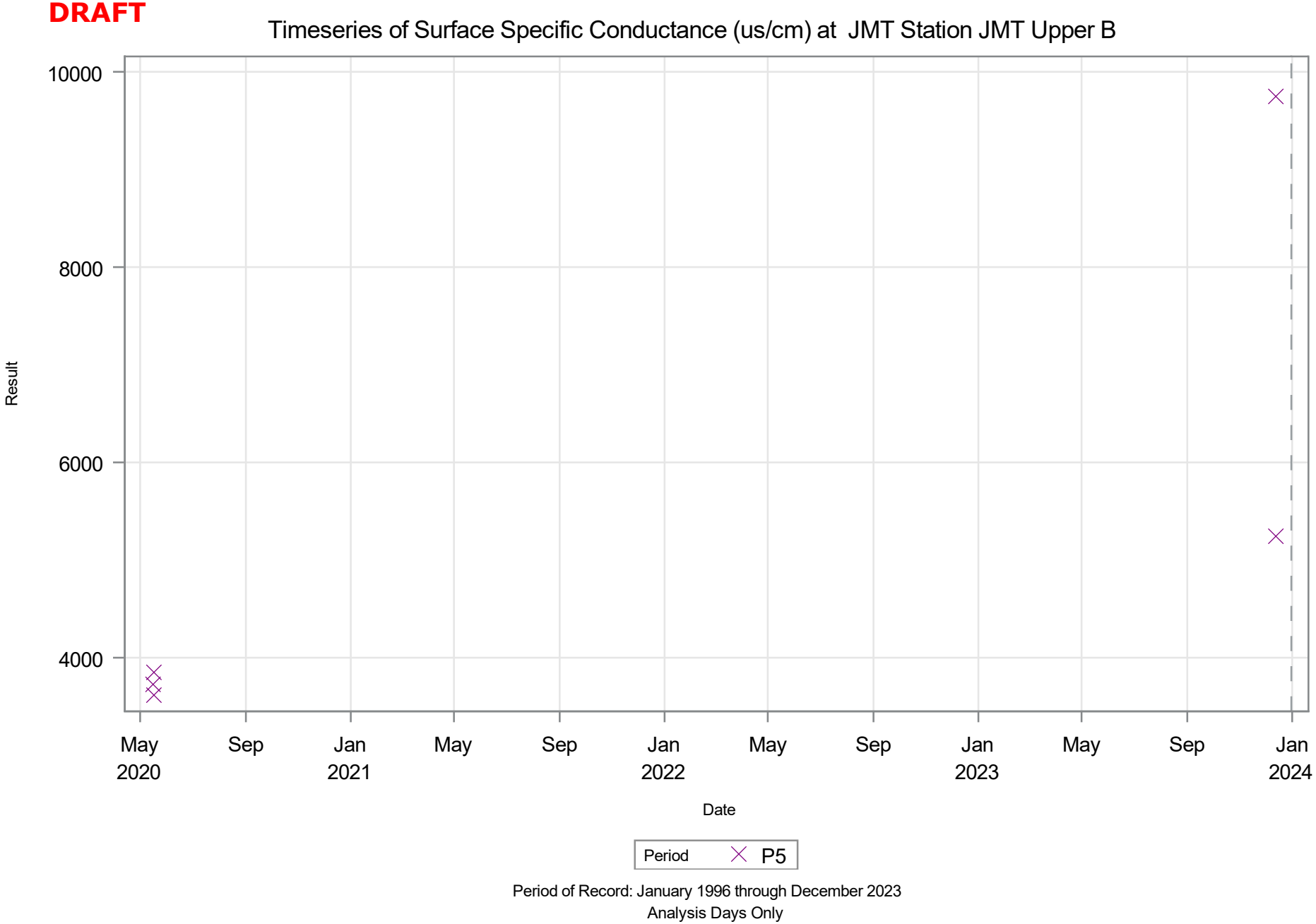
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	3695.00	3772.00	5633.75	4544.50	7495.50	9751.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

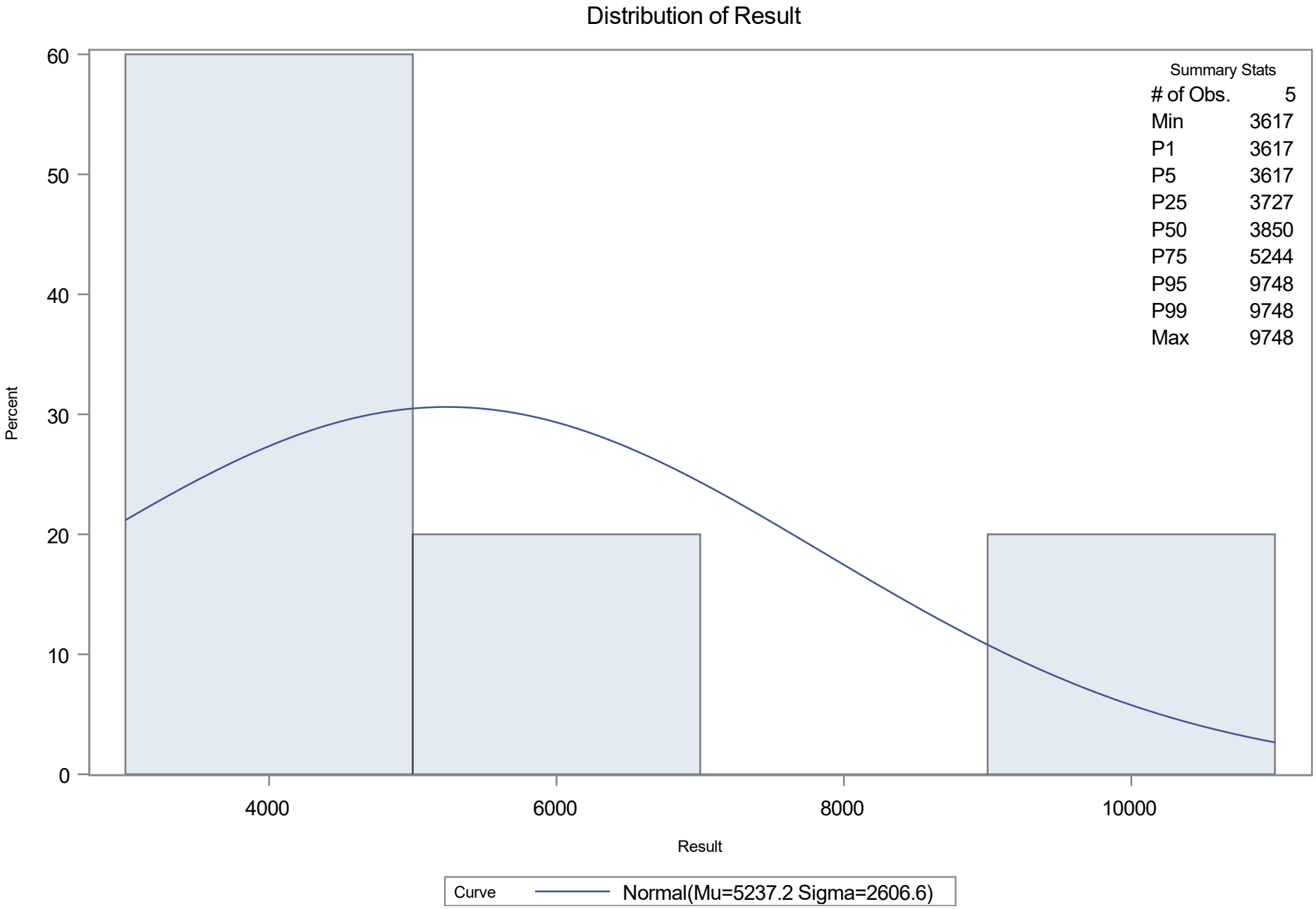

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper B
10000
8000
6000
4000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Upper B
10000
8000
6000
4000
Result
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5237.2
Std Dev	Sigma	2606.599

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30270199	**Pr > D**	0.134
Cramer-von Mises	**W-Sq**	0.12901104	**Pr > W-Sq**	0.032
Anderson-Darling	**A-Sq**	0.70924671	**Pr > A-Sq**	0.024

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3617.00	-826.657
5.0	3617.00	949.726
10.0	3617.00	1896.709
25.0	3727.00	3479.076
50.0	3850.00	5237.200
75.0	5244.00	6995.324
90.0	9748.00	8577.691
95.0	9748.00	9524.674
99.0	9748.00	11301.057

Period of Record: January 1996 through December 2023
Analysis Days Only

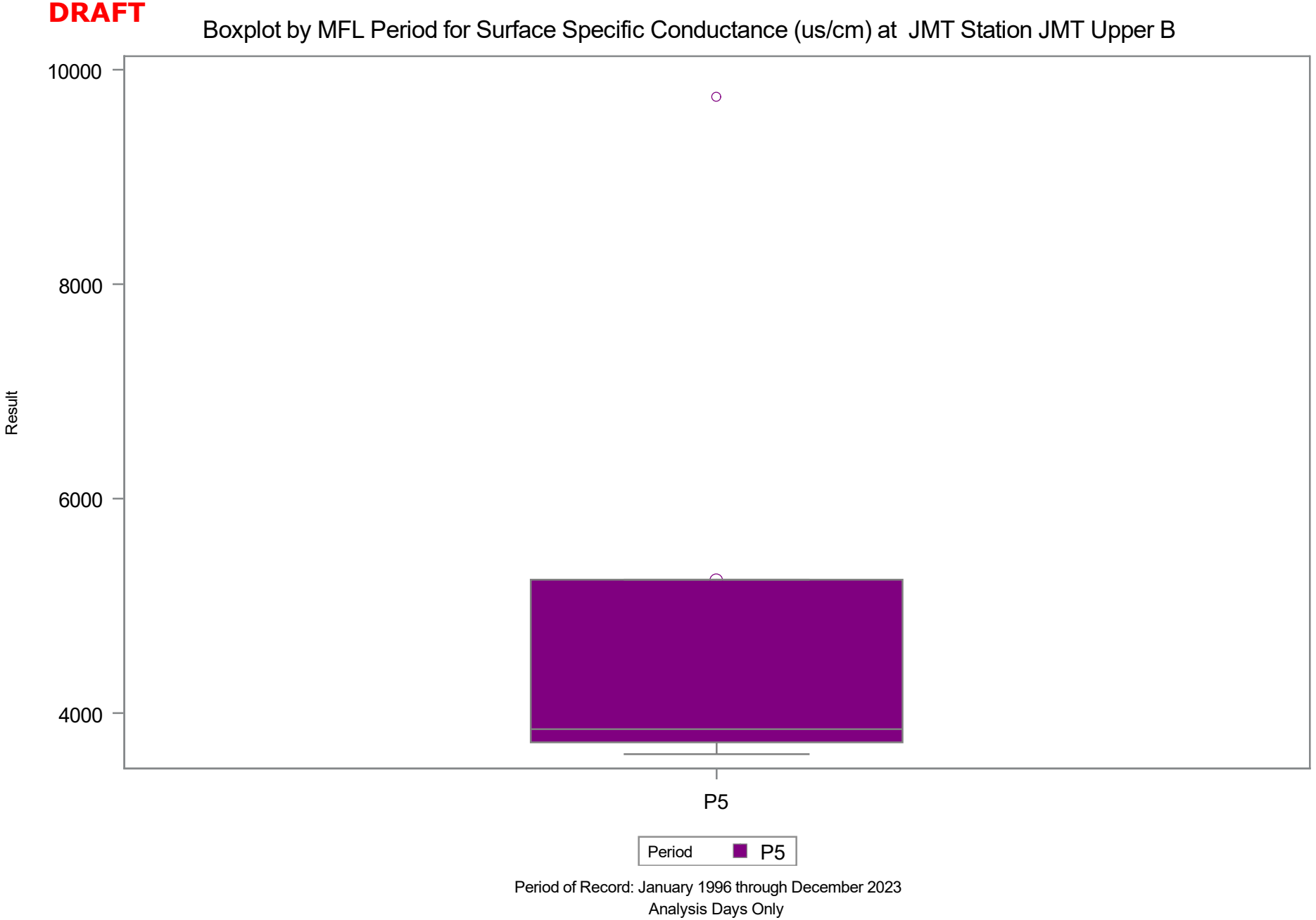
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper B

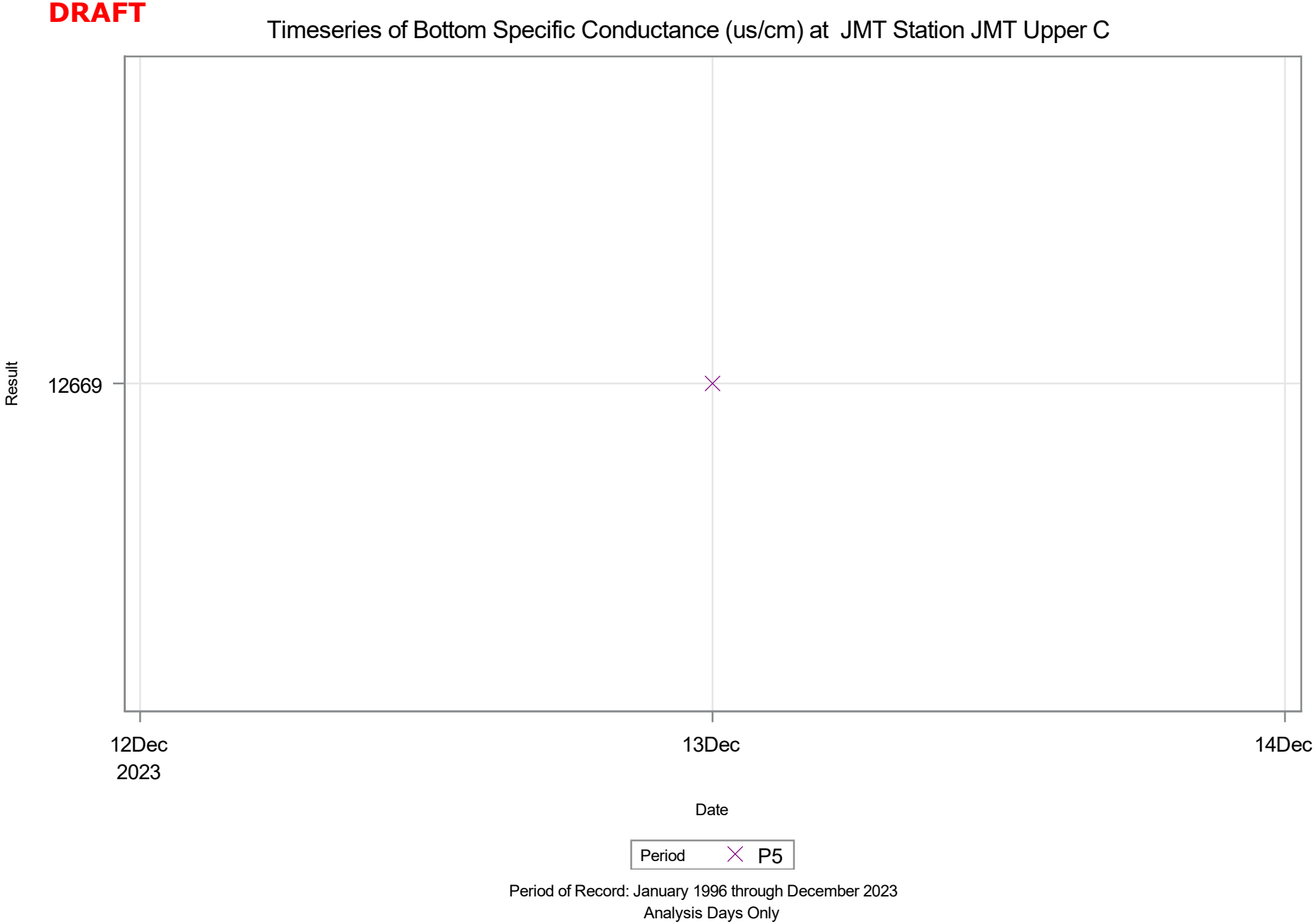
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	3617.00	3727.00	5237.20	3850.00	5244.00	9748.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper B
10000
8000
6000
4000
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

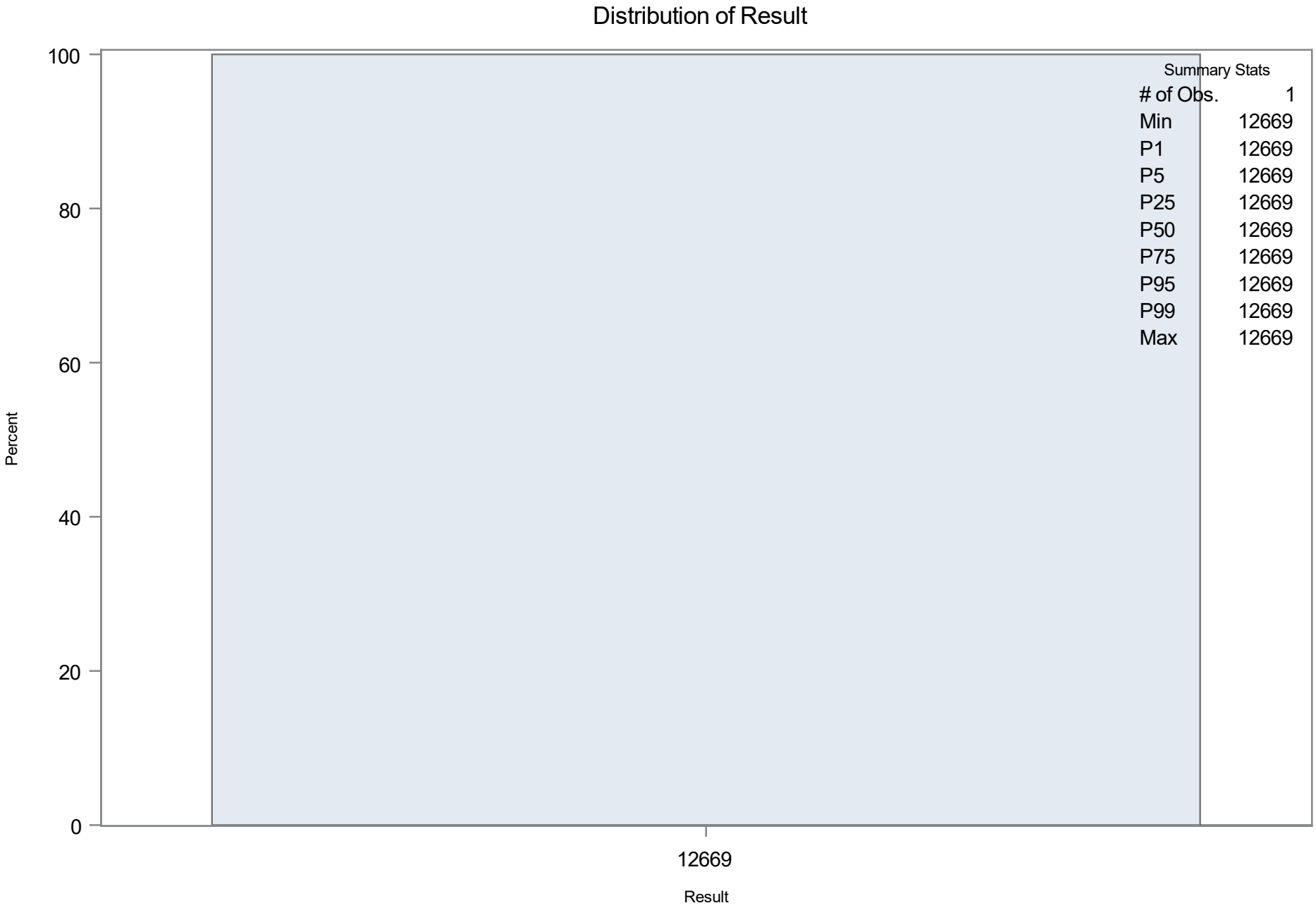
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

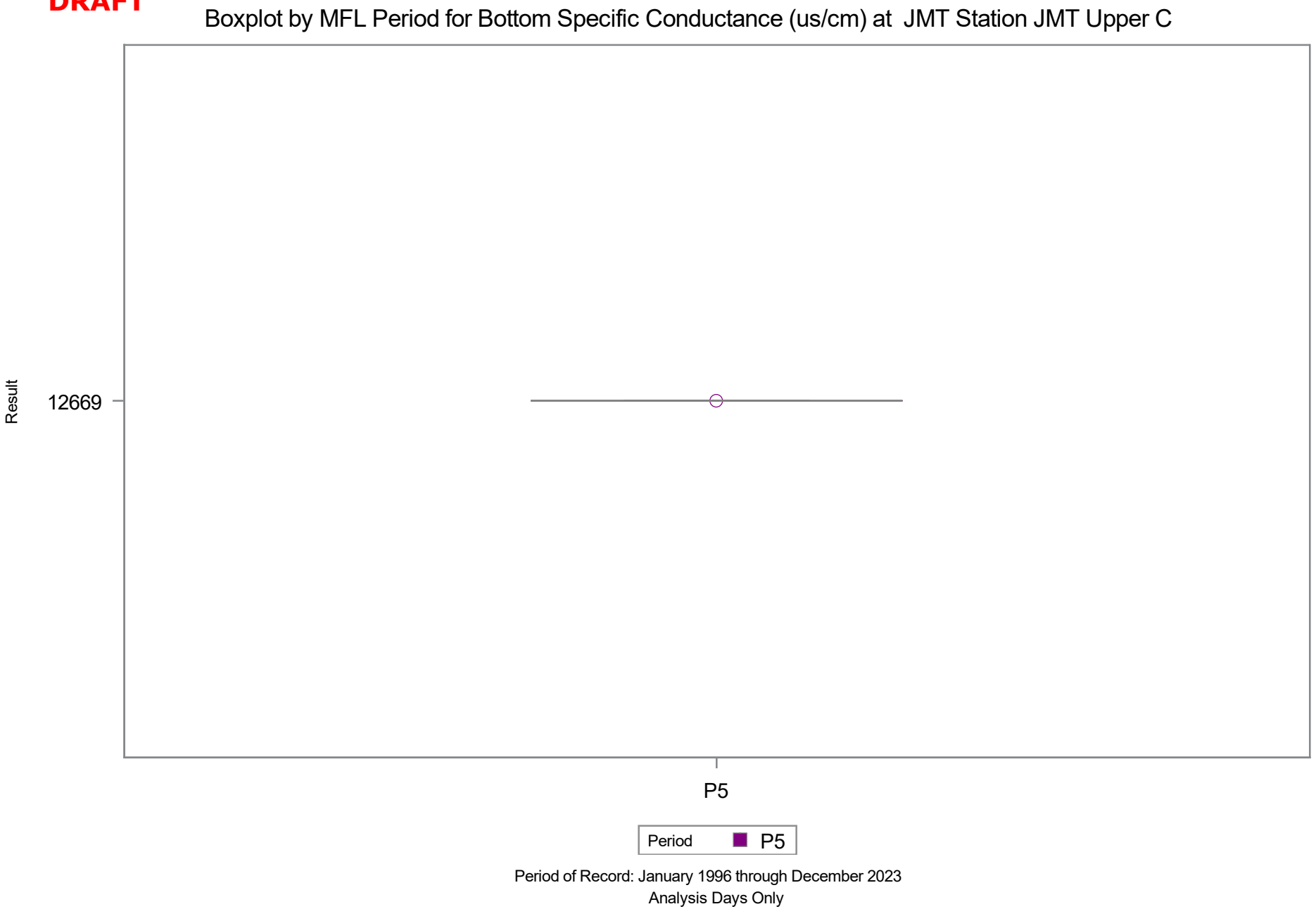
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper C

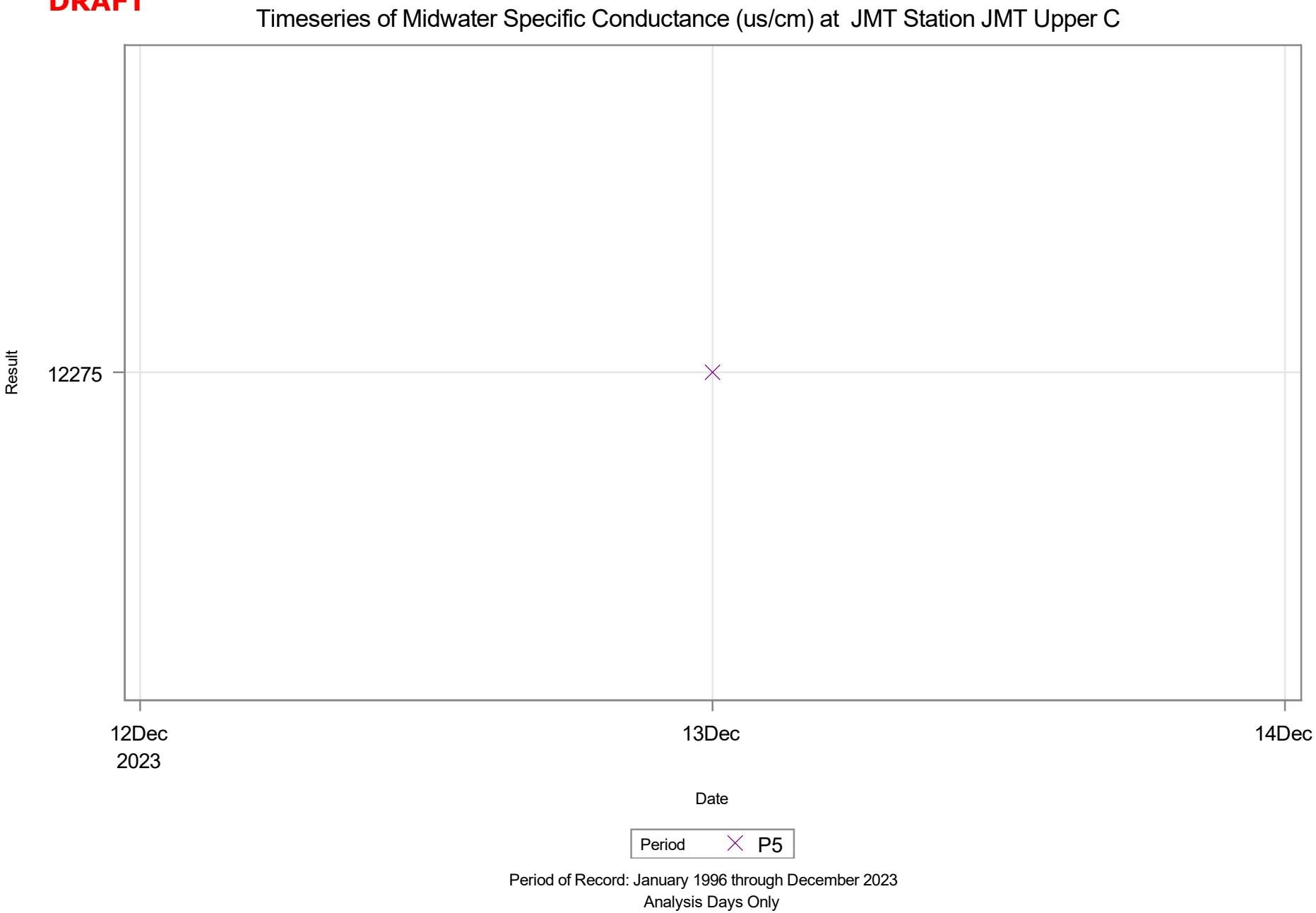
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	12669.00	12669.00	12669.00	12669.00	12669.00	12669.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

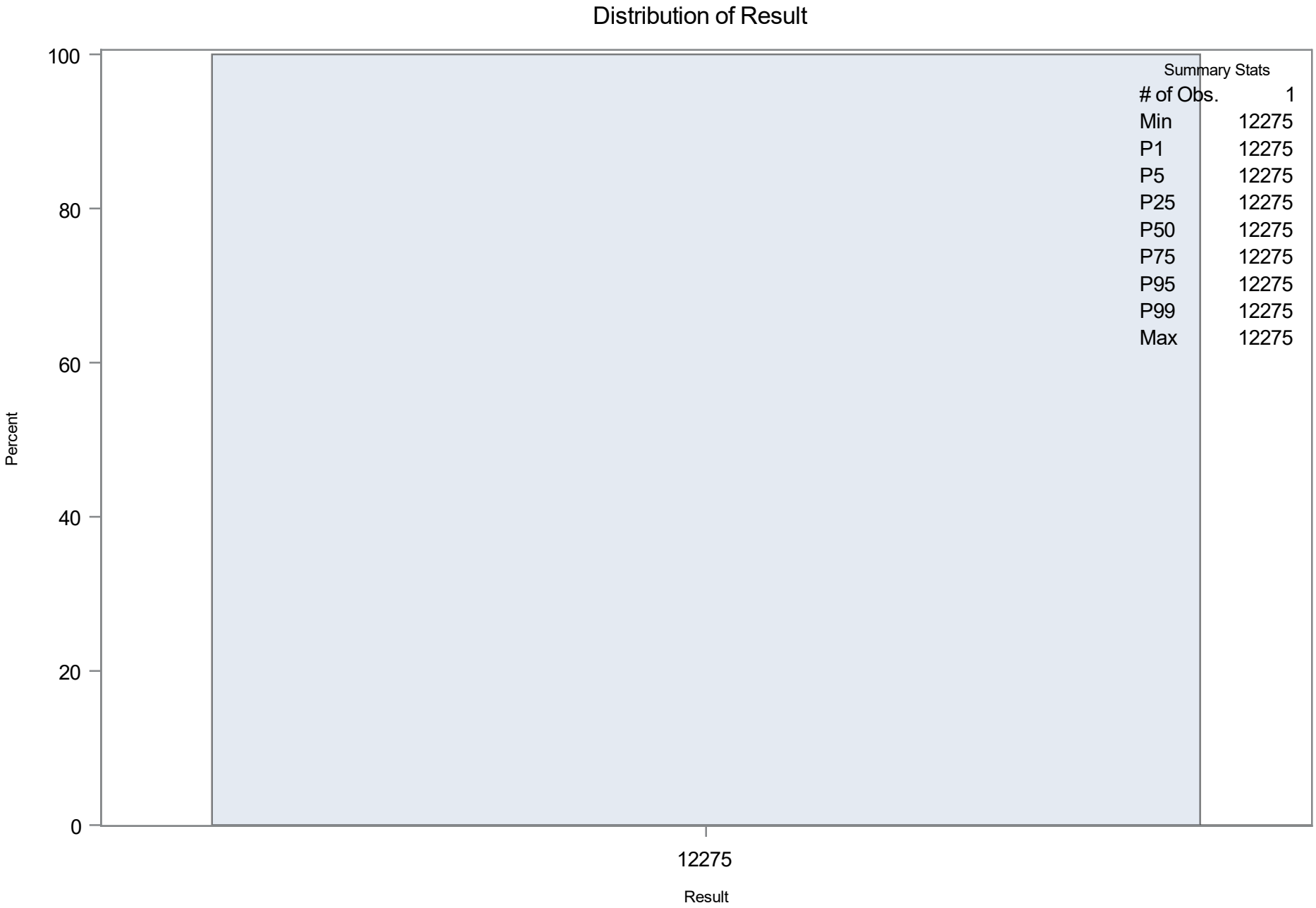

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper C
Result
12669
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper C
Result
12275
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

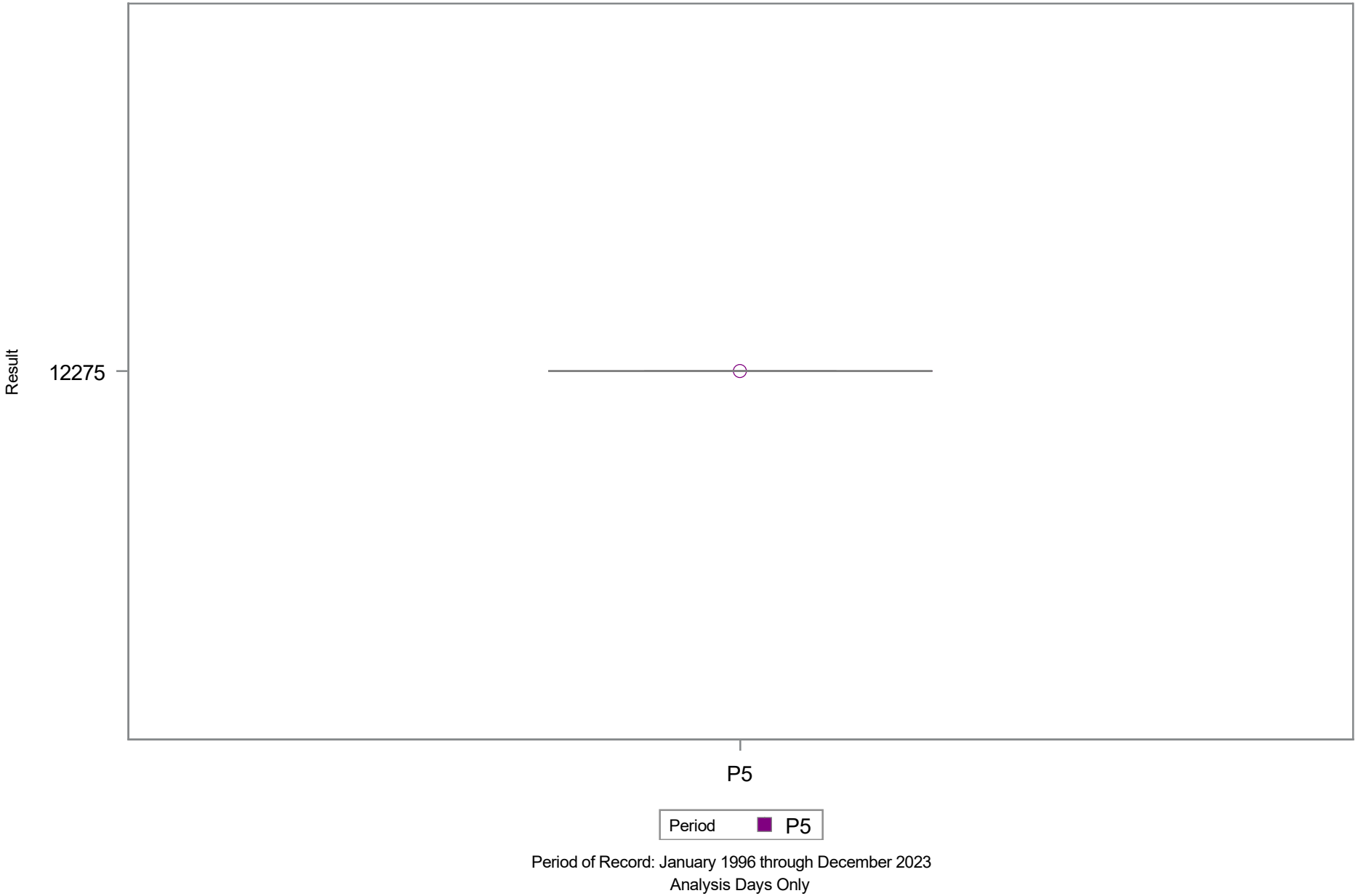
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	12275.00	12275.00	12275.00	12275.00	12275.00	12275.00

Period of Record: January 1996 through December 2023
Analysis Days Only

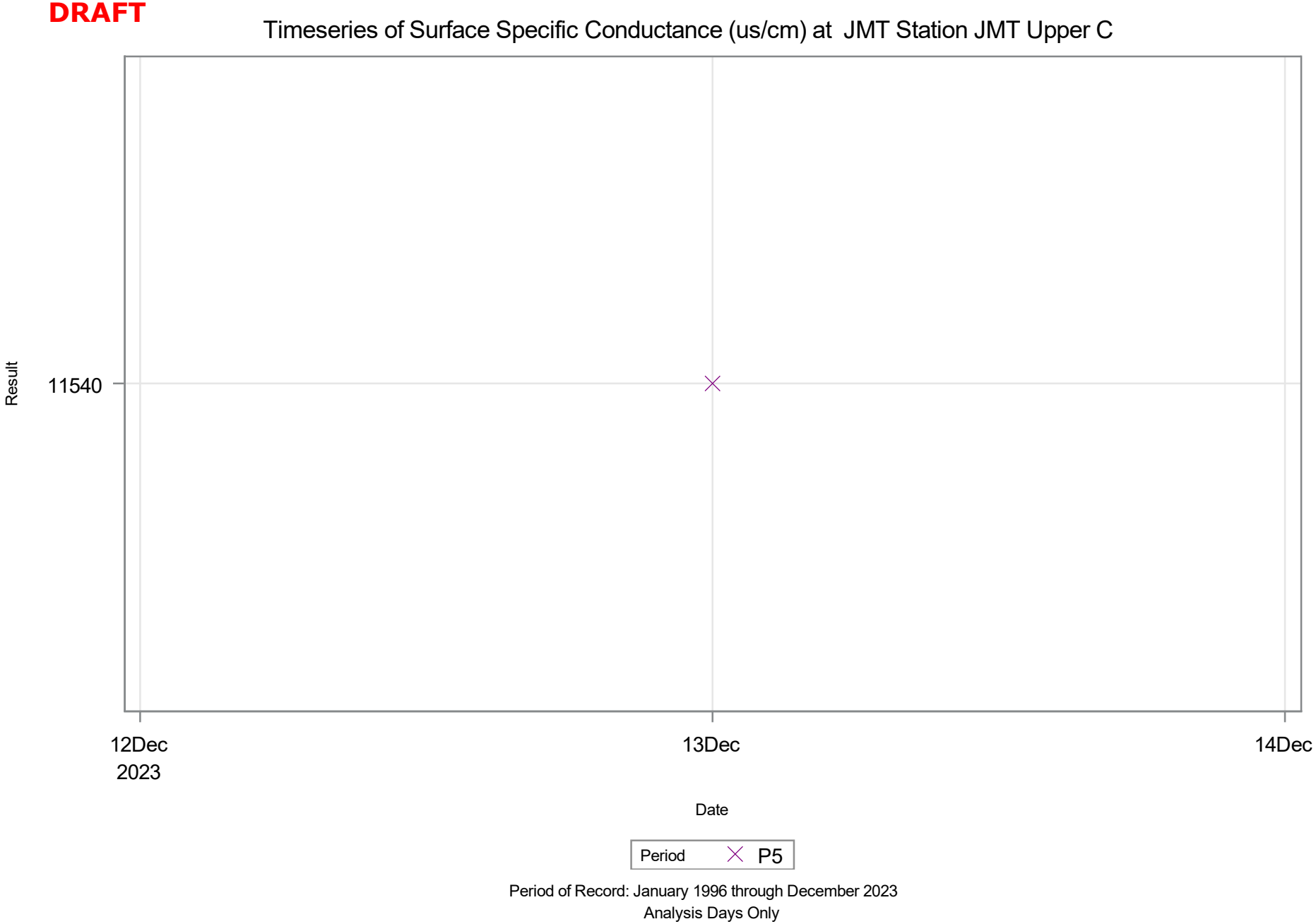
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper C



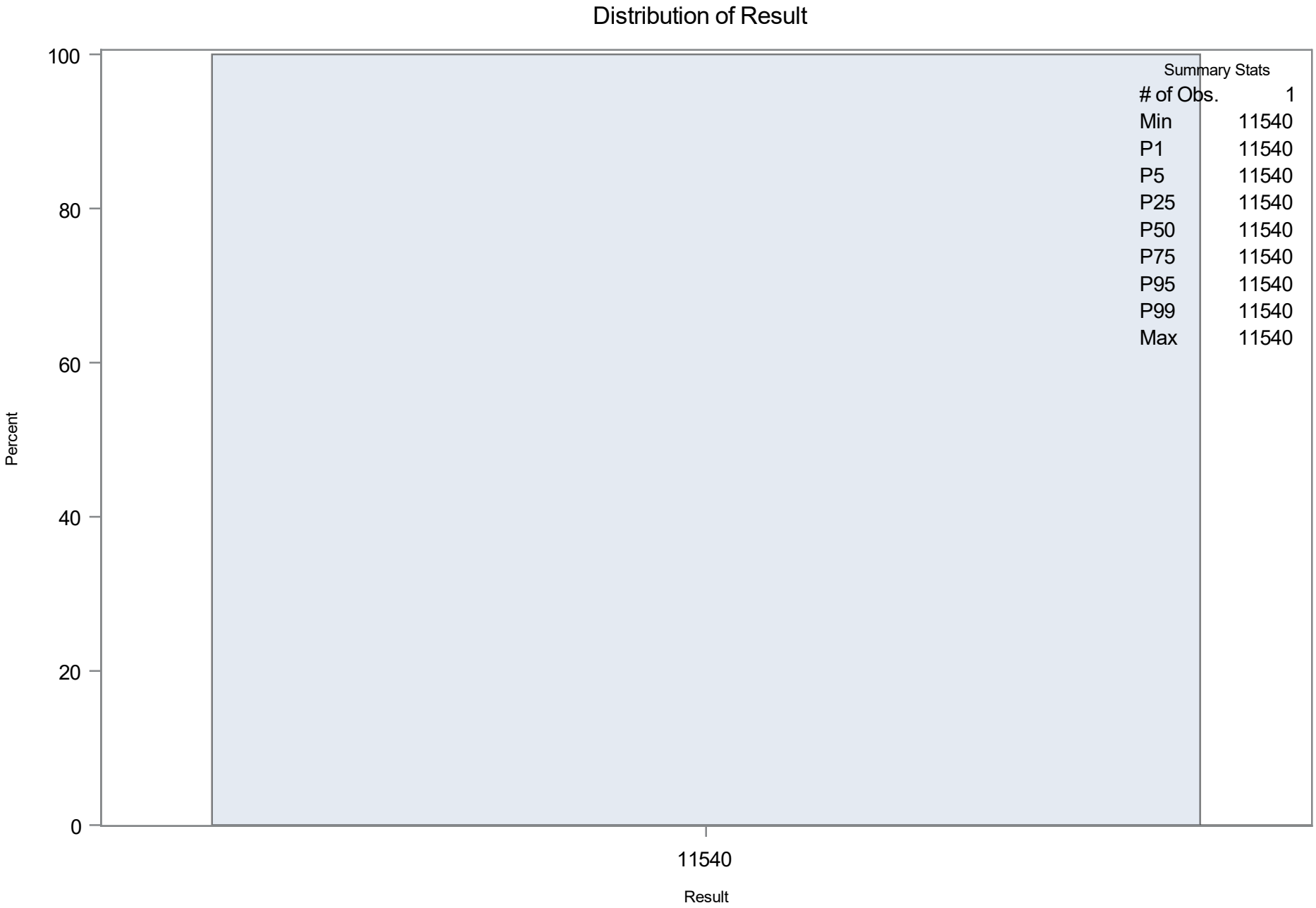
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Upper C
Result
11540
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

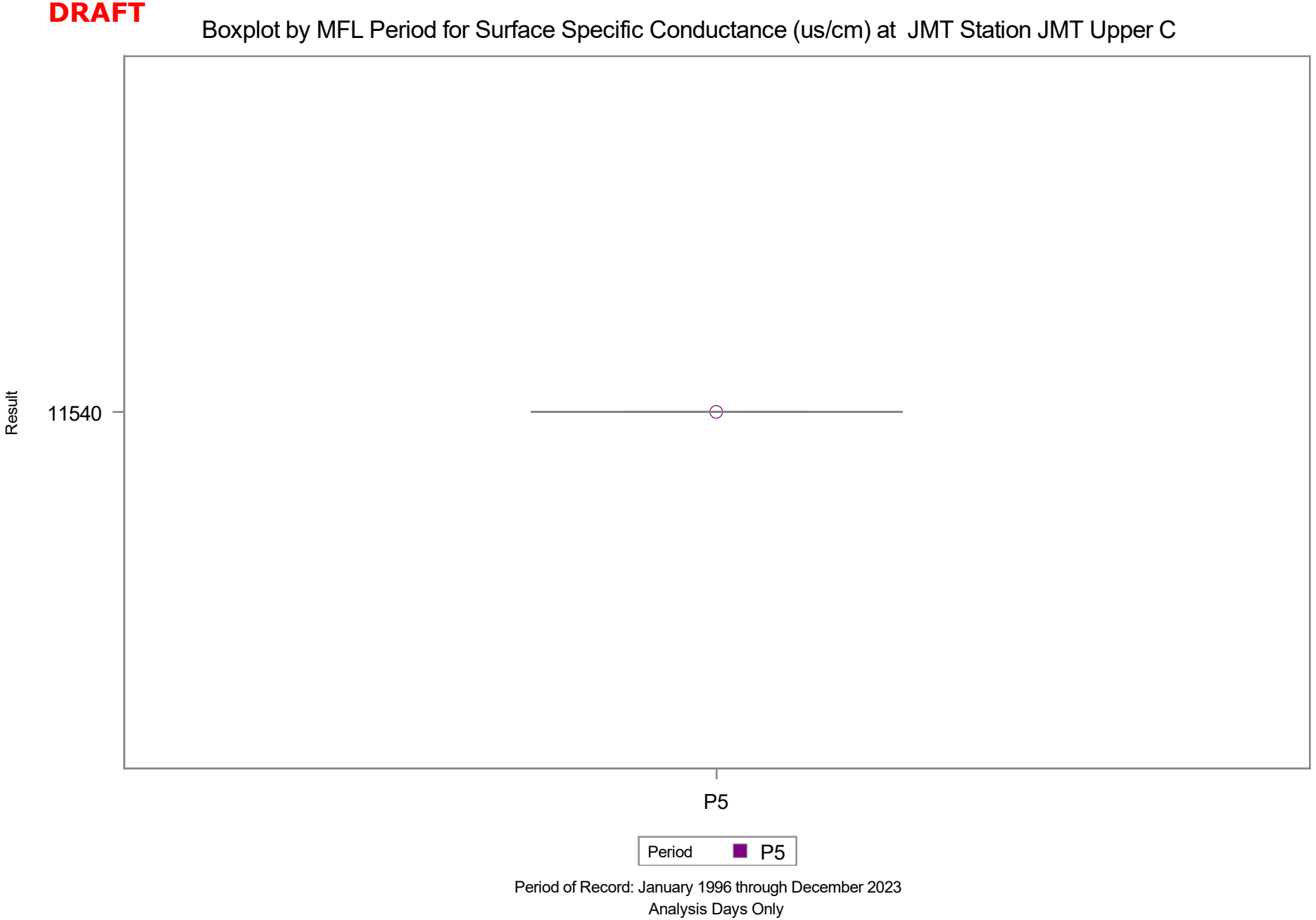
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper C

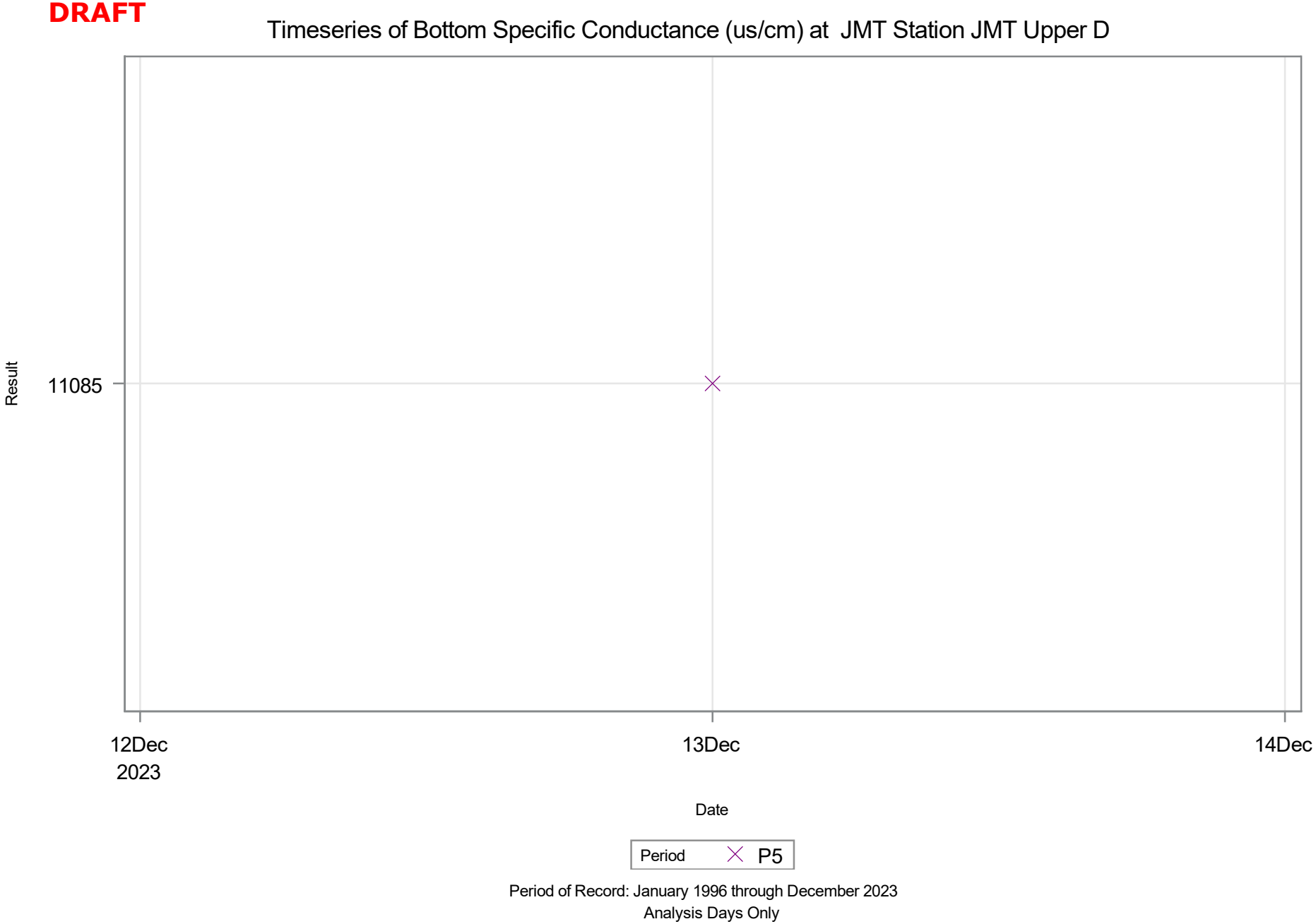
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	11540.00	11540.00	11540.00	11540.00	11540.00	11540.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

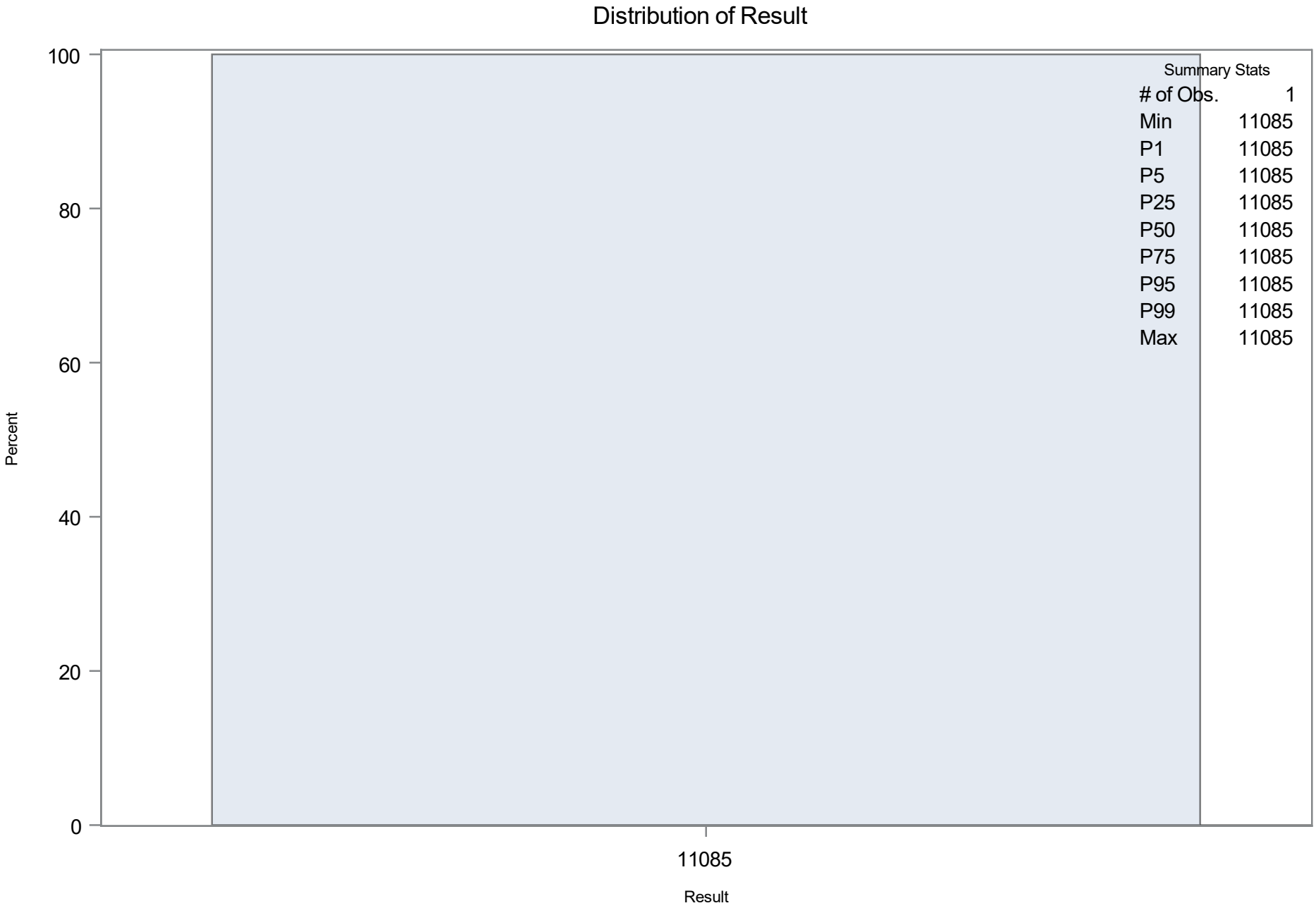

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper C
Result
11540
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at JMT Station JMT Upper D
Result
11085
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

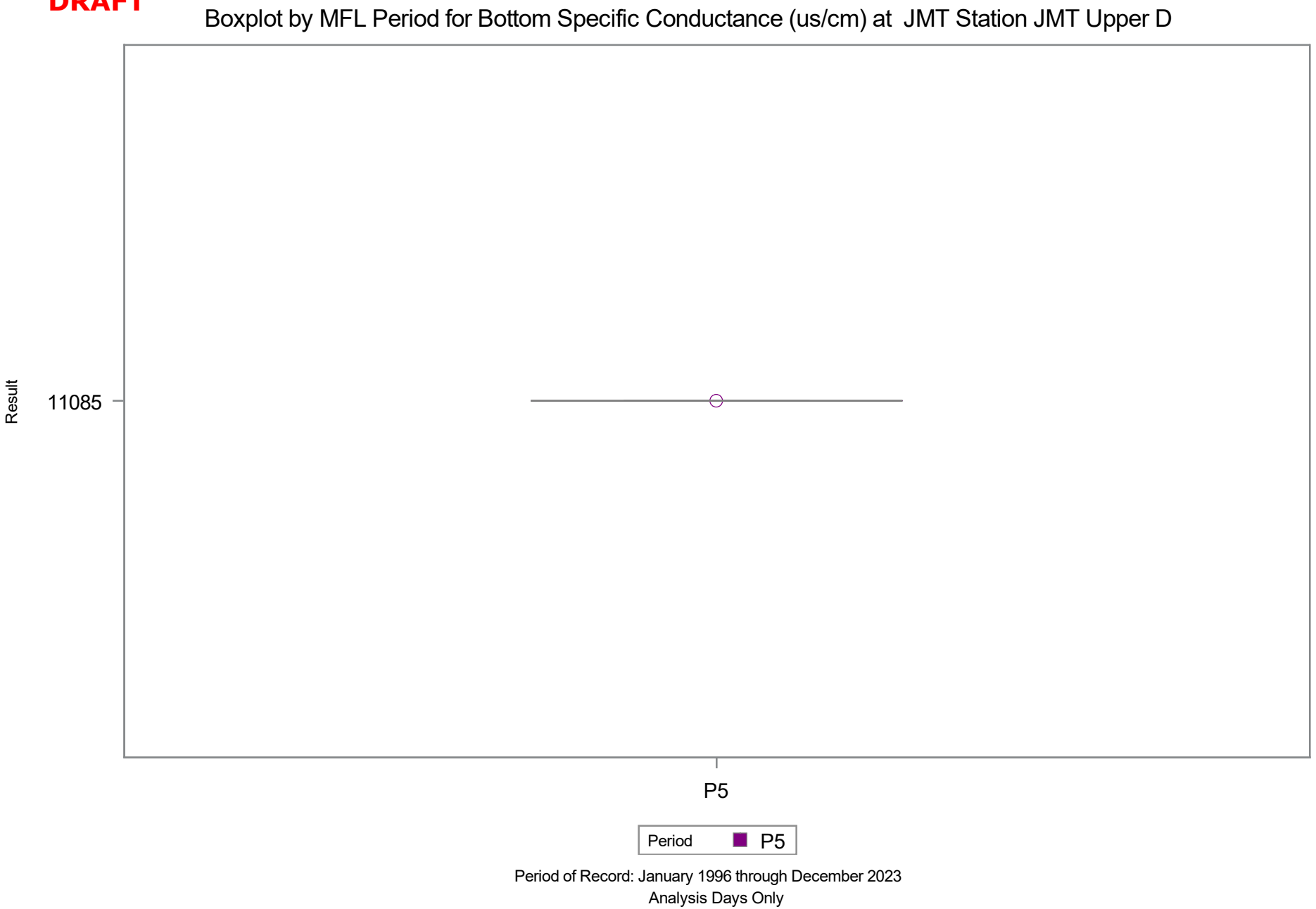
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper D

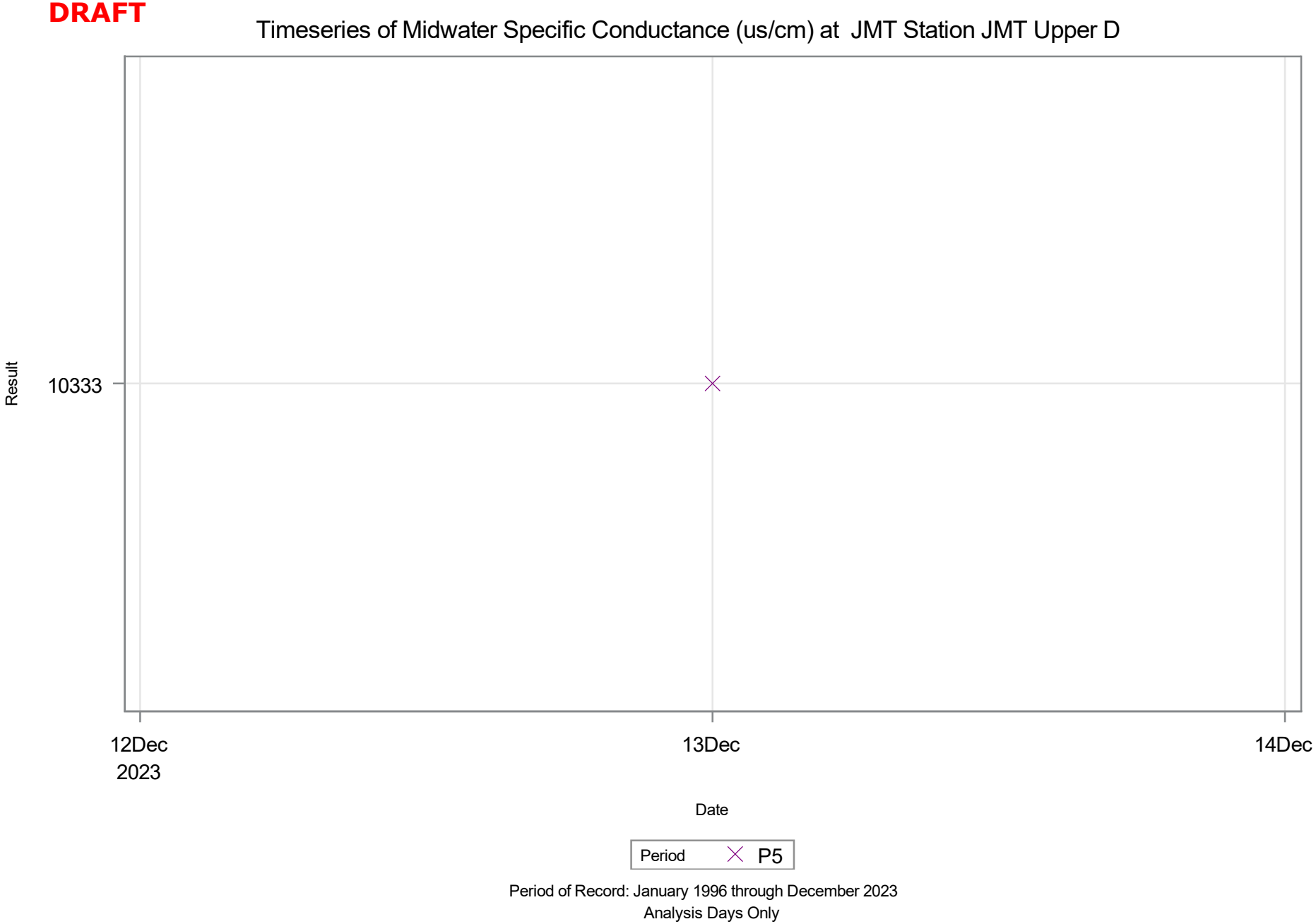
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	11085.00	11085.00	11085.00	11085.00	11085.00	11085.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

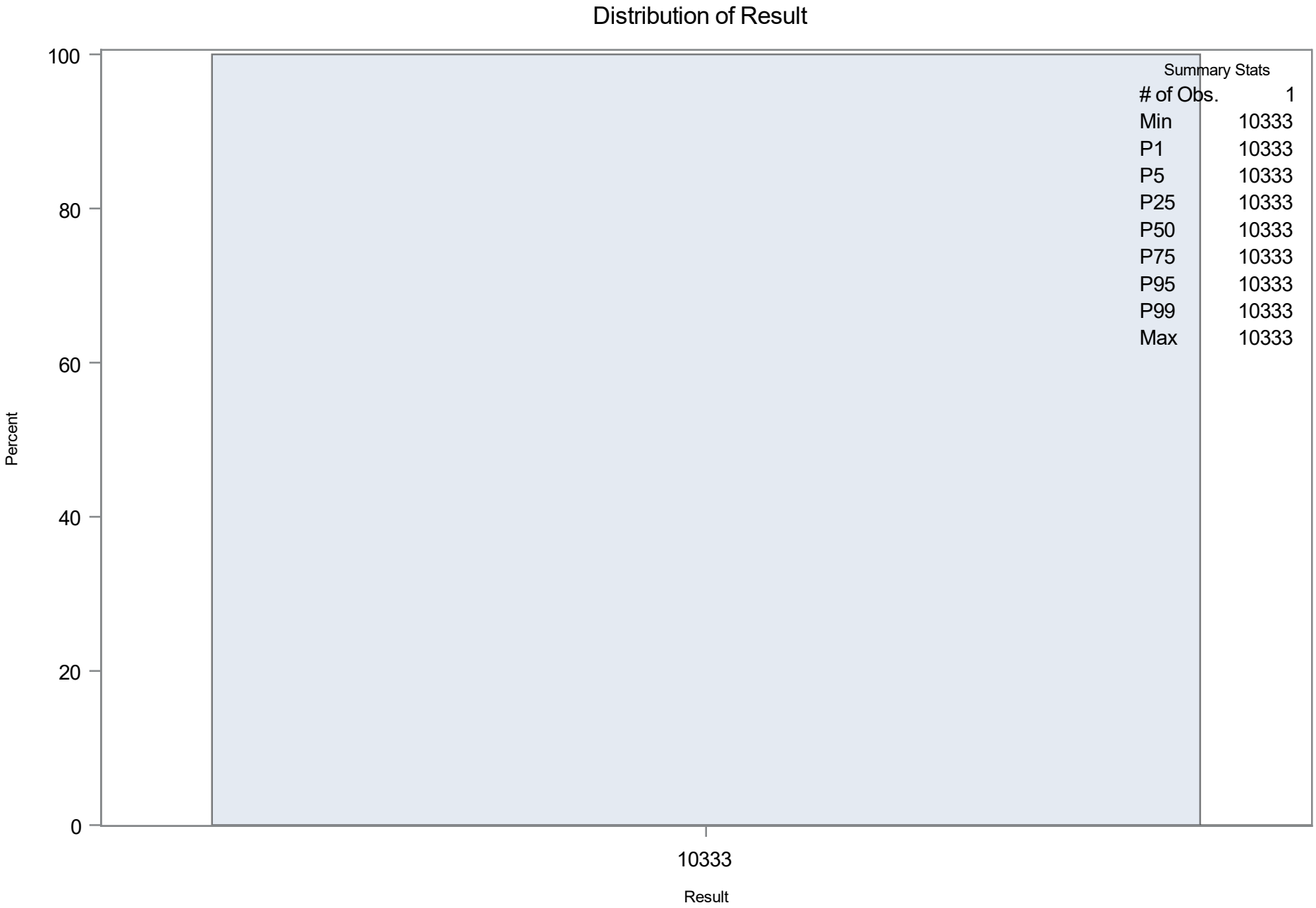

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at JMT Station JMT Upper D
Result
11085
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper D
Result
10333
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

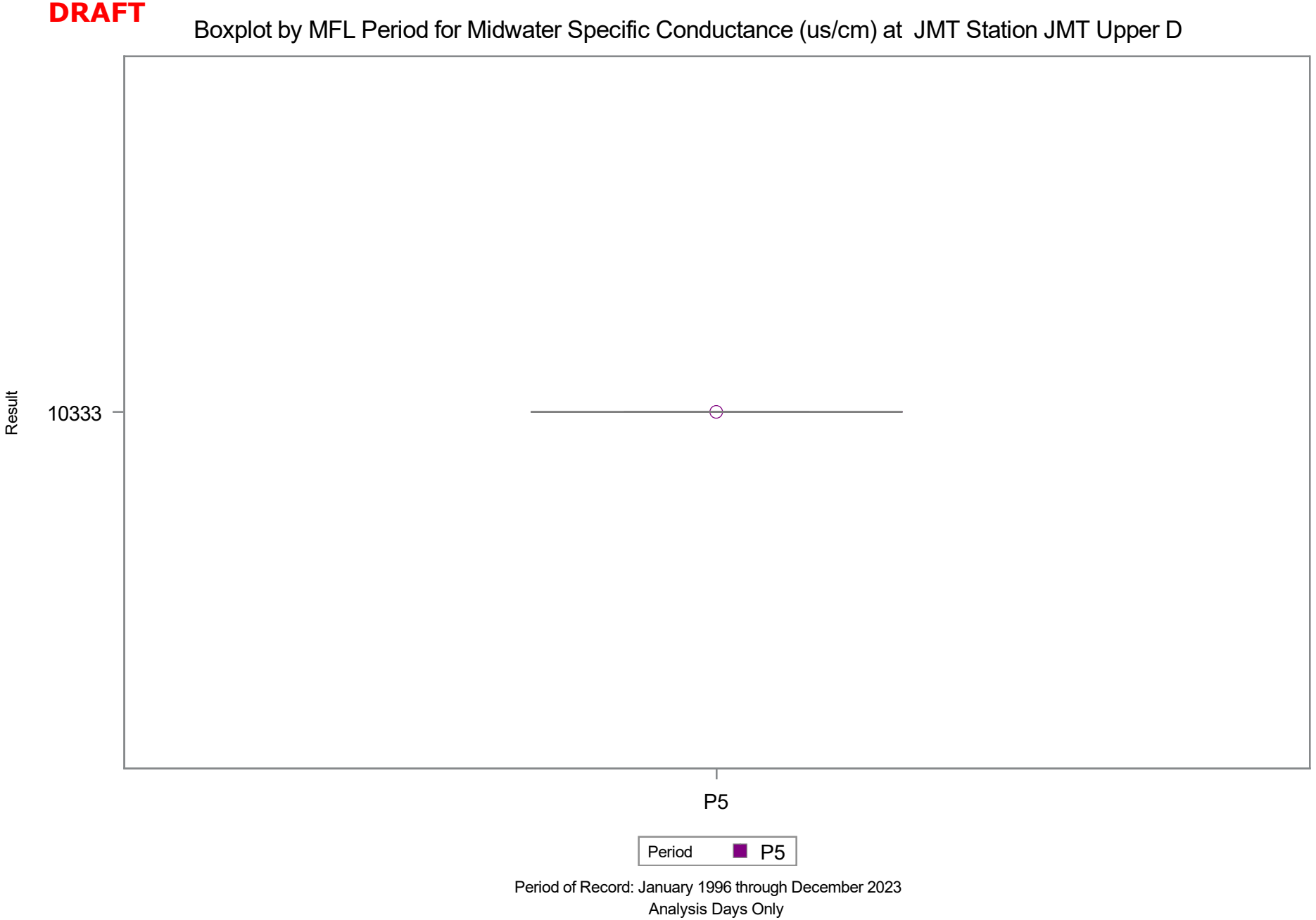
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper D

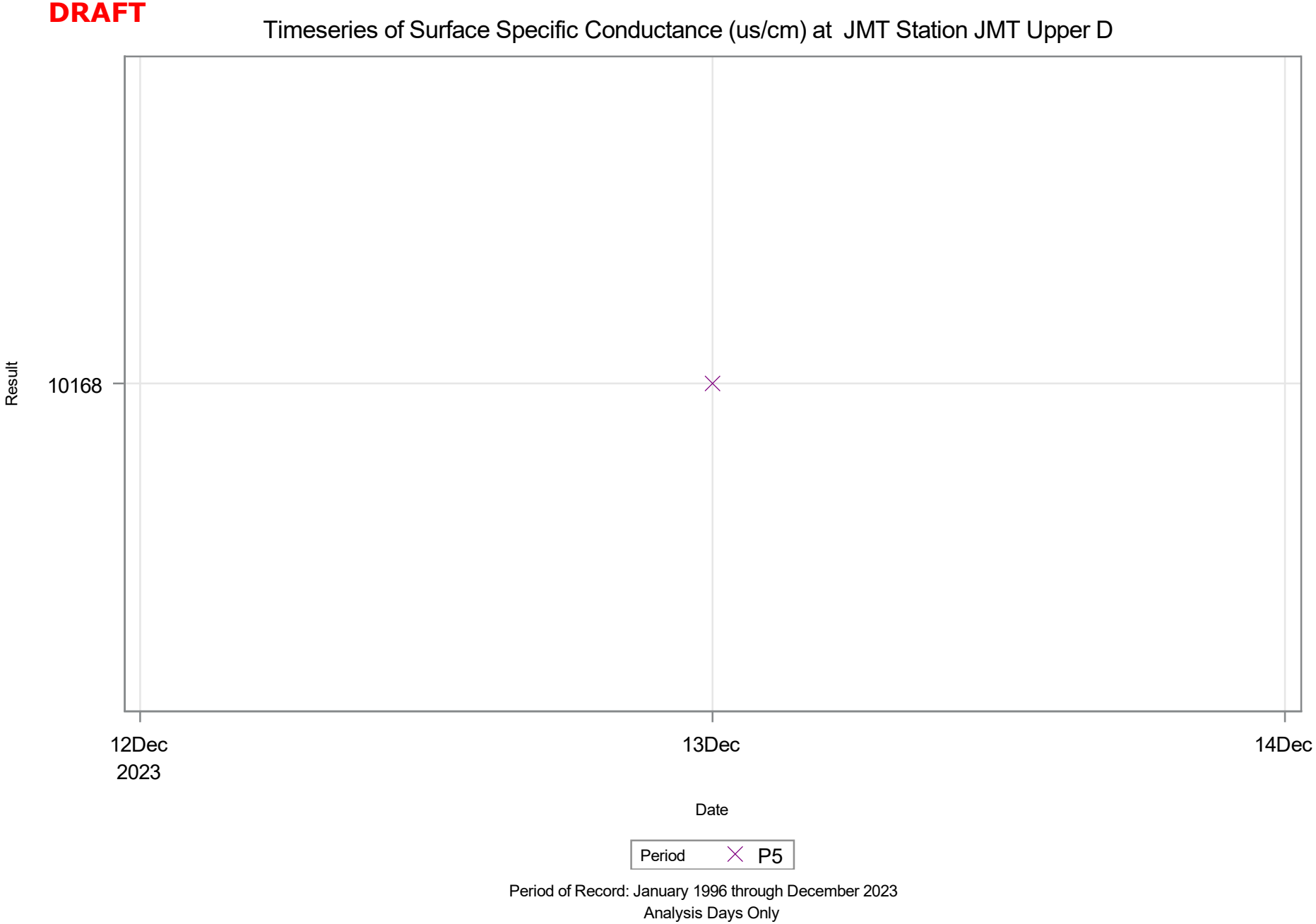
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	10333.00	10333.00	10333.00	10333.00	10333.00	10333.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

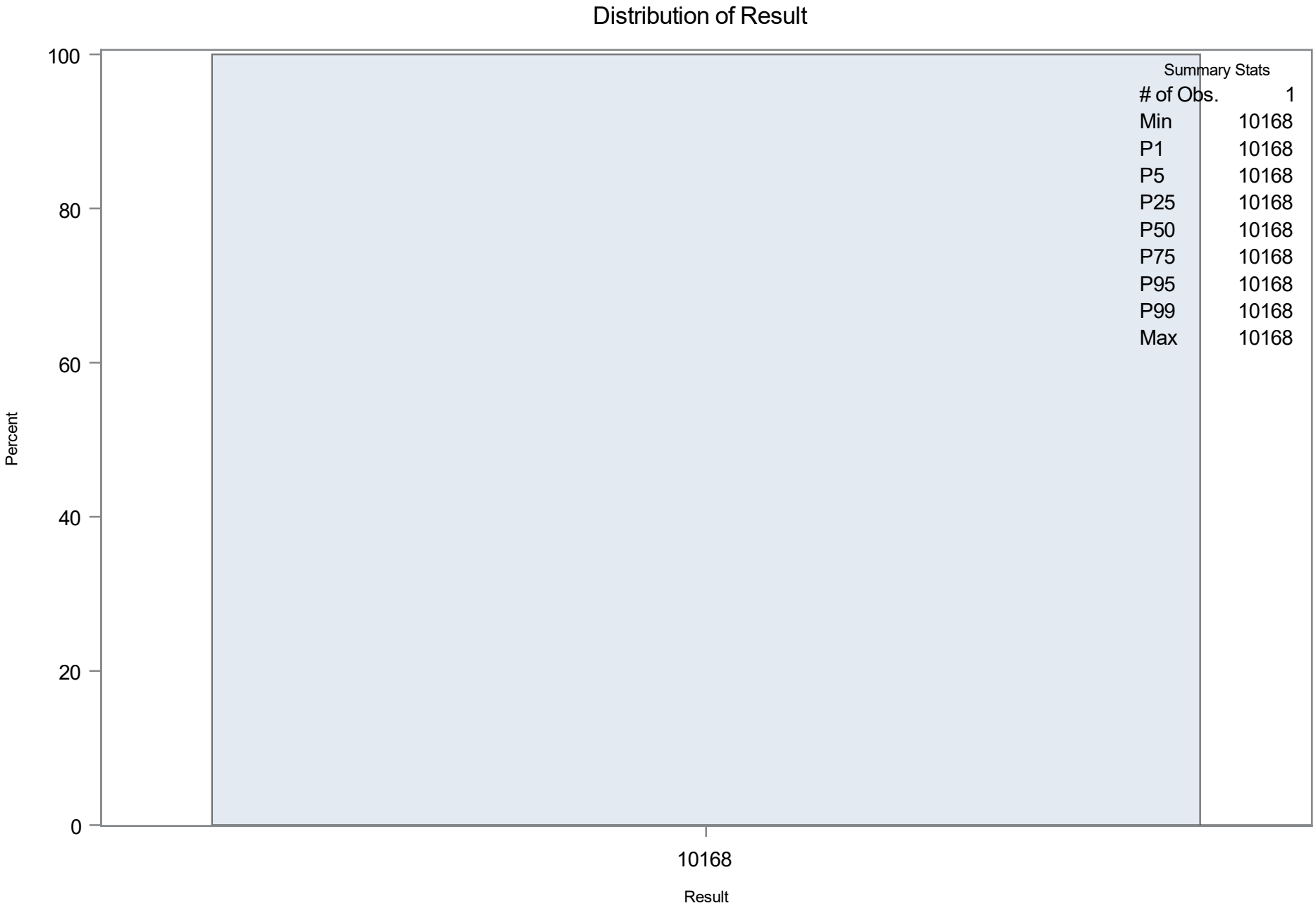

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at JMT Station JMT Upper D
Result
10333
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at JMT Station JMT Upper D
Result
10168
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

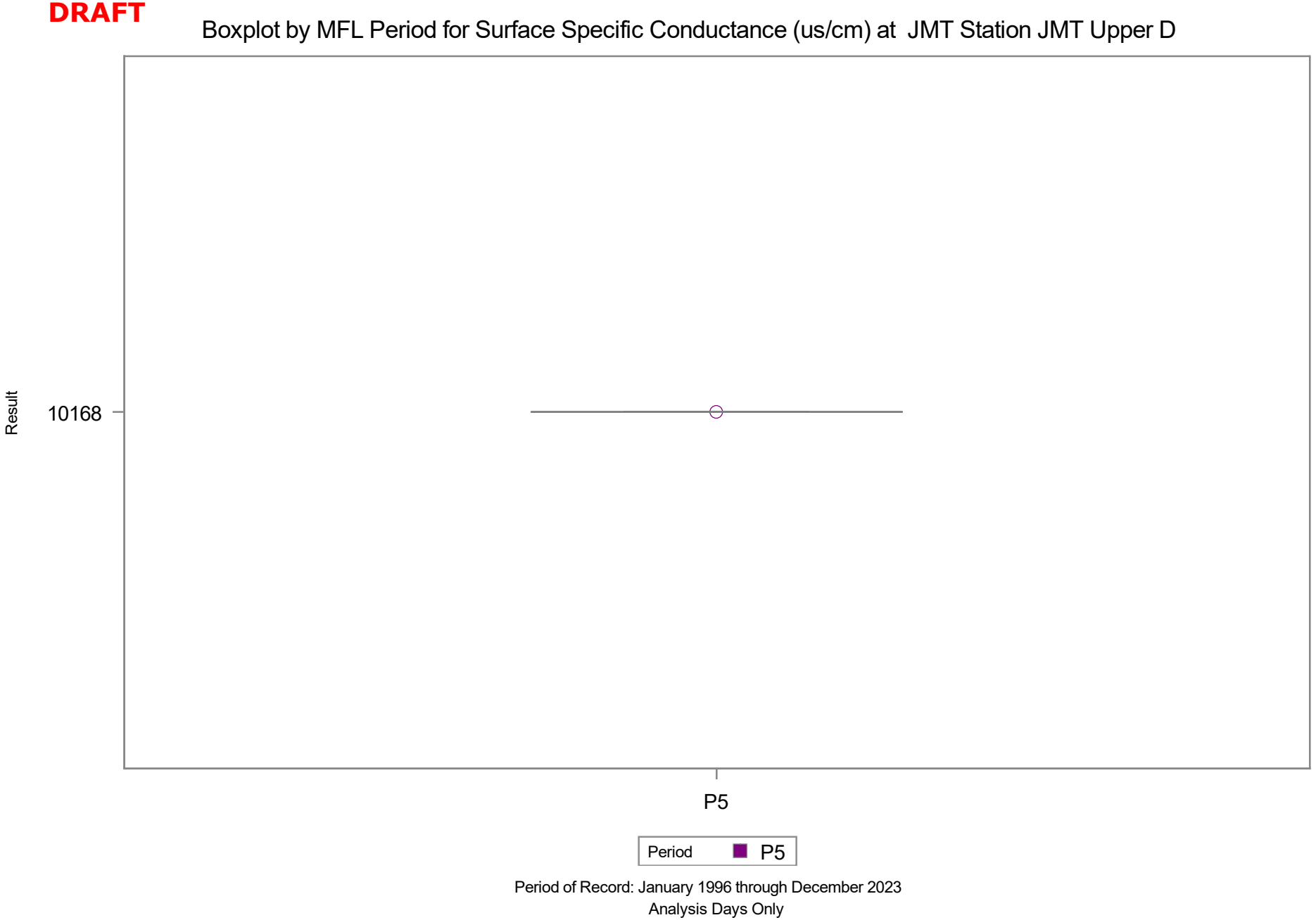
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper D

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	10168.00	10168.00	10168.00	10168.00	10168.00	10168.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at JMT Station JMT Upper D
Result
10168
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

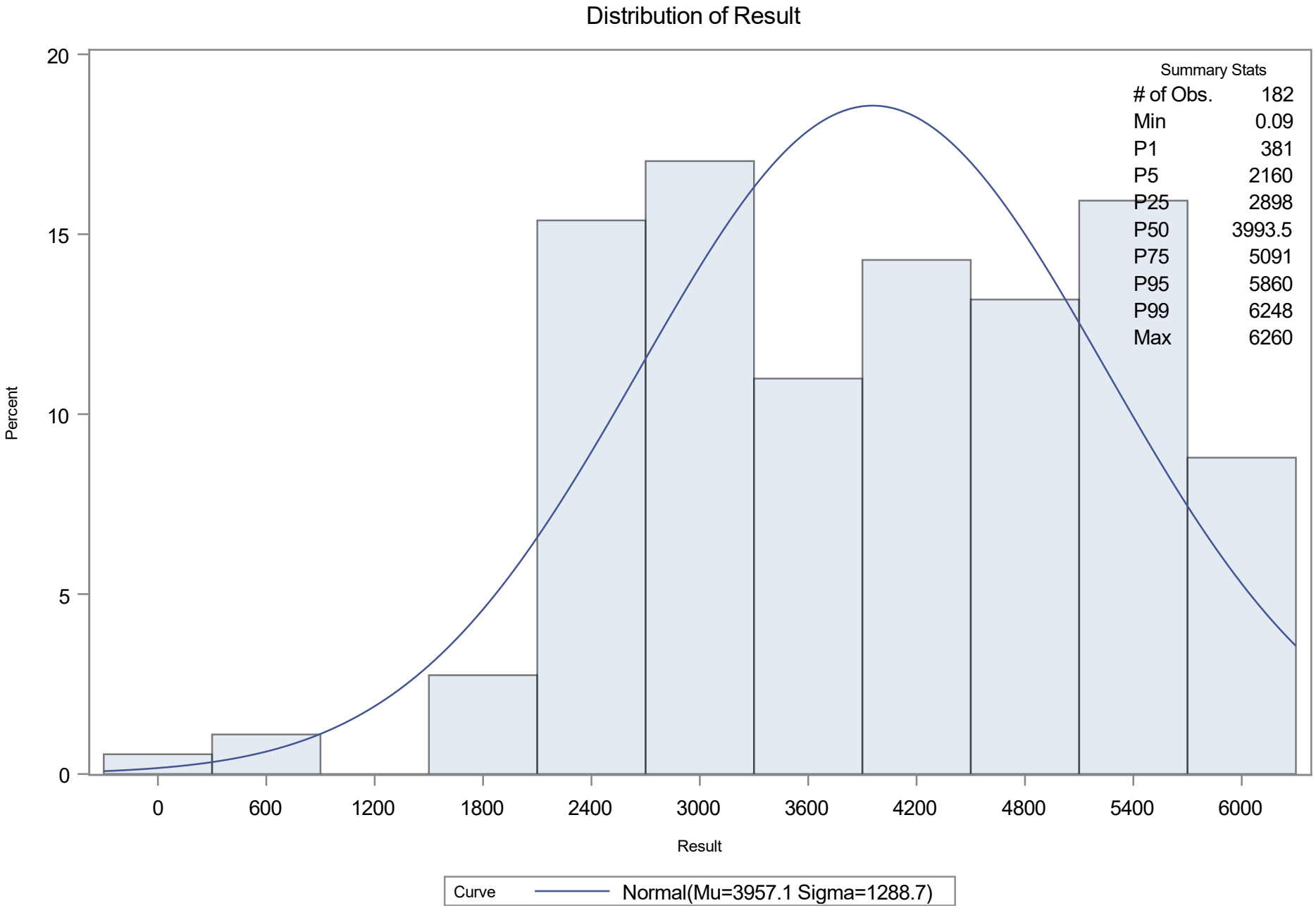
DRAFT

Timeseries of Surface Specific Conductance (us/cm) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3957.055
Std Dev	Sigma	1288.72

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08501685	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.30236603	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.92820971	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	381.000	959.044
5.0	2160.000	1837.300
10.0	2377.000	2305.494
25.0	2898.000	3087.827
50.0	3993.500	3957.055
75.0	5091.000	4826.284
90.0	5630.000	5608.617
95.0	5860.000	6076.811
99.0	6248.000	6955.066

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

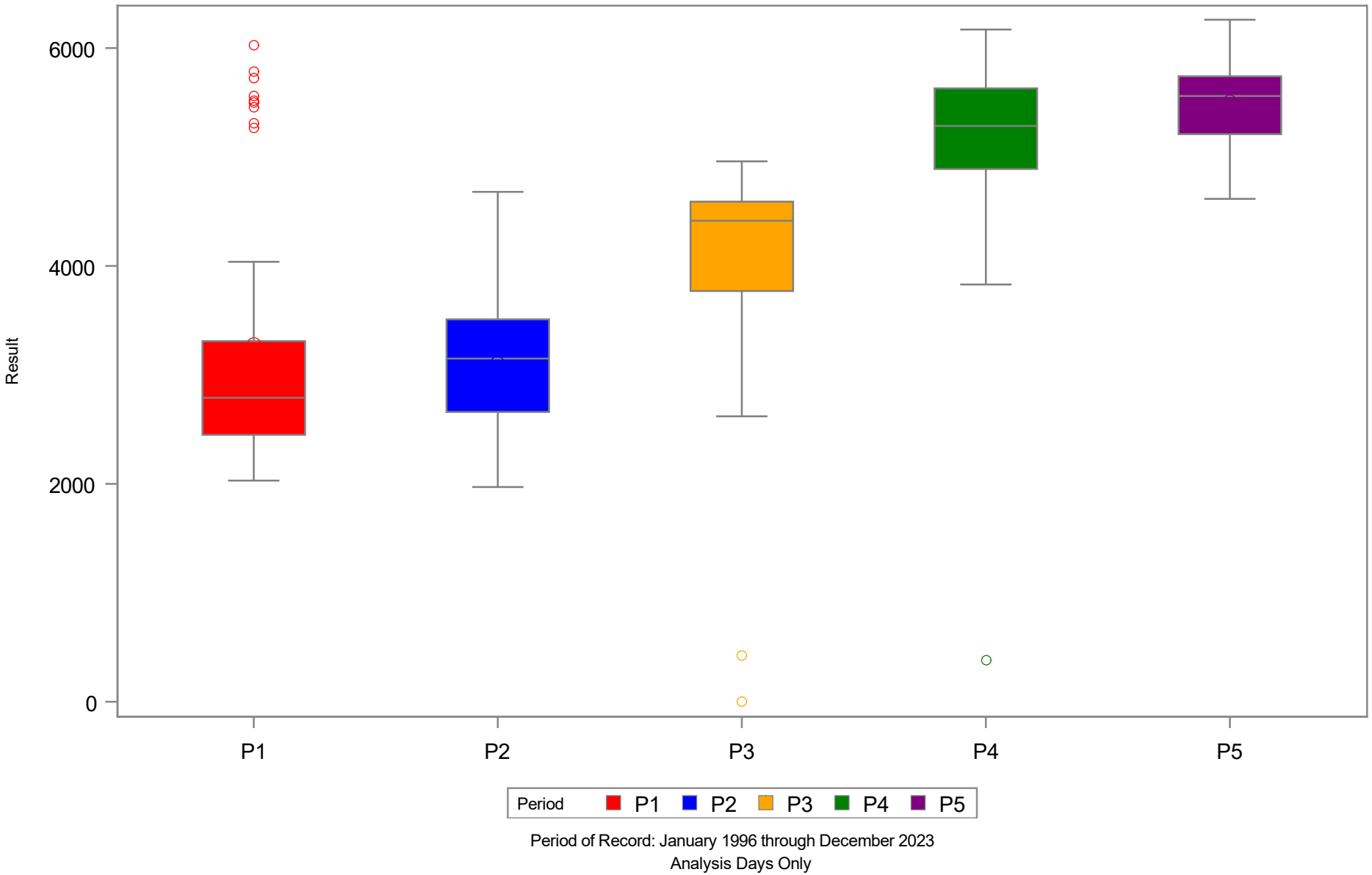
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	2030.00	2450.00	3279.02	2790.00	3310.00	6026.00
P2	41	1971.00	2660.00	3107.10	3150.00	3510.00	4680.00
P3	48	0.09	3770.00	4036.96	4415.00	4590.00	4960.00
P4	22	381.00	4890.00	5021.86	5285.00	5630.00	6170.00
P5	25	4616.00	5210.00	5508.12	5560.00	5741.00	6260.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

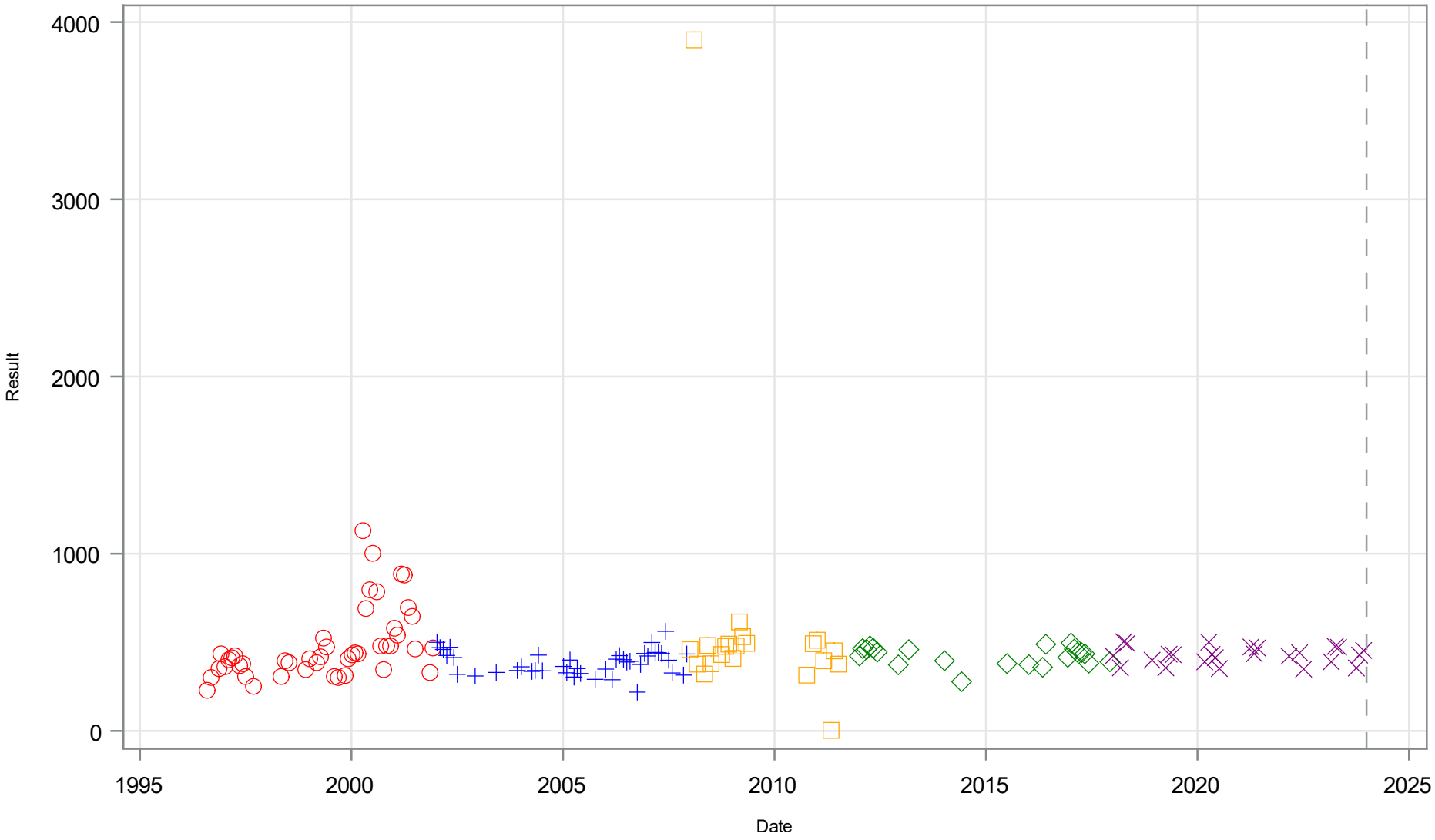
Boxplot by MFL Period for Surface Specific Conductance (us/cm) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

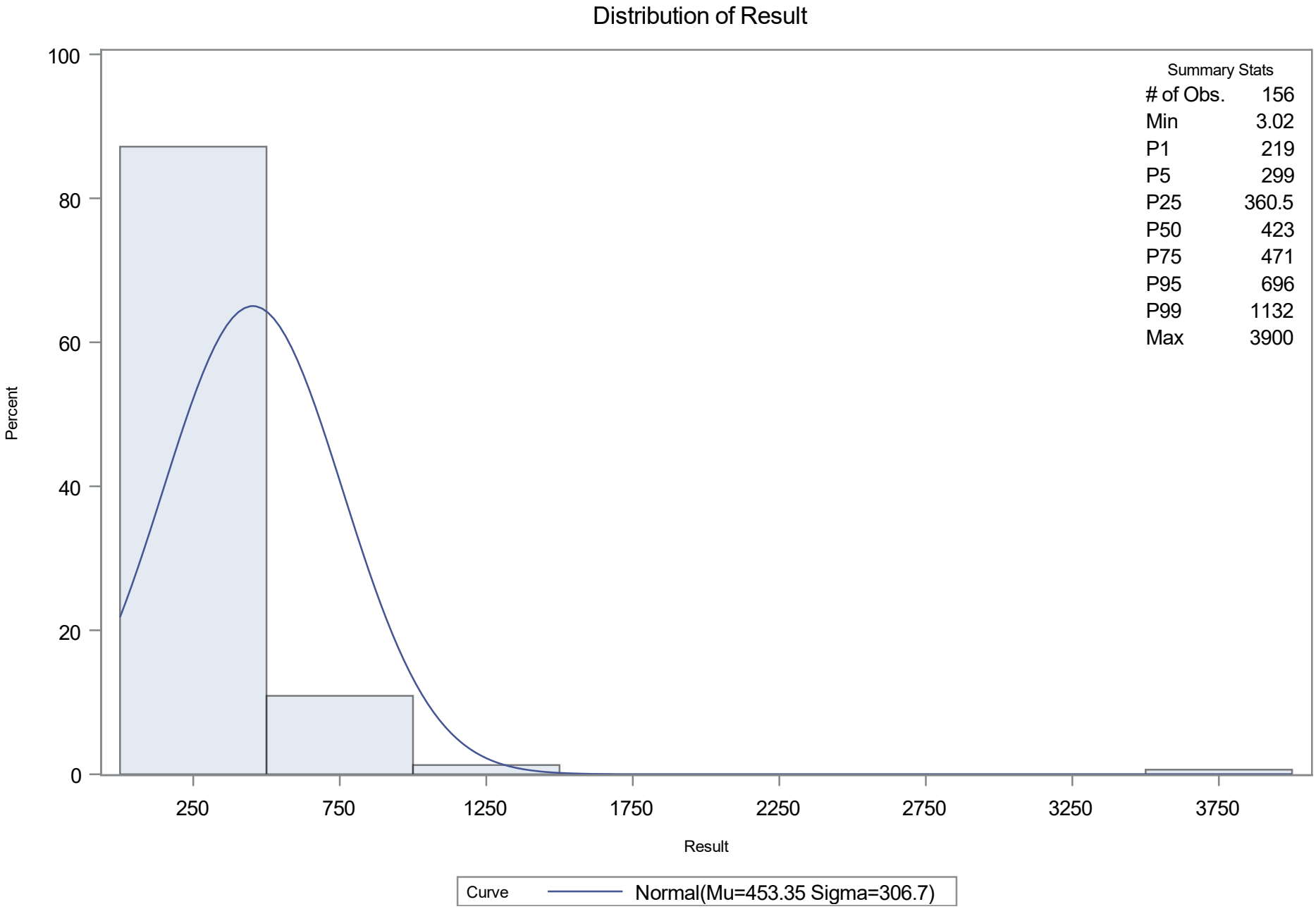
Timeseries of Surface Specific Conductance (us/cm) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	453.3463
Std Dev	Sigma	306.6957

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3267184	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	5.1228134	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	26.3090995	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	219.000	-260.1347
5.0	299.000	-51.1233
10.0	315.000	60.2999
25.0	360.500	246.4831
50.0	423.000	453.3463
75.0	471.000	660.2094
90.0	525.000	846.3927
95.0	696.000	957.8159
99.0	1132.000	1166.8273

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

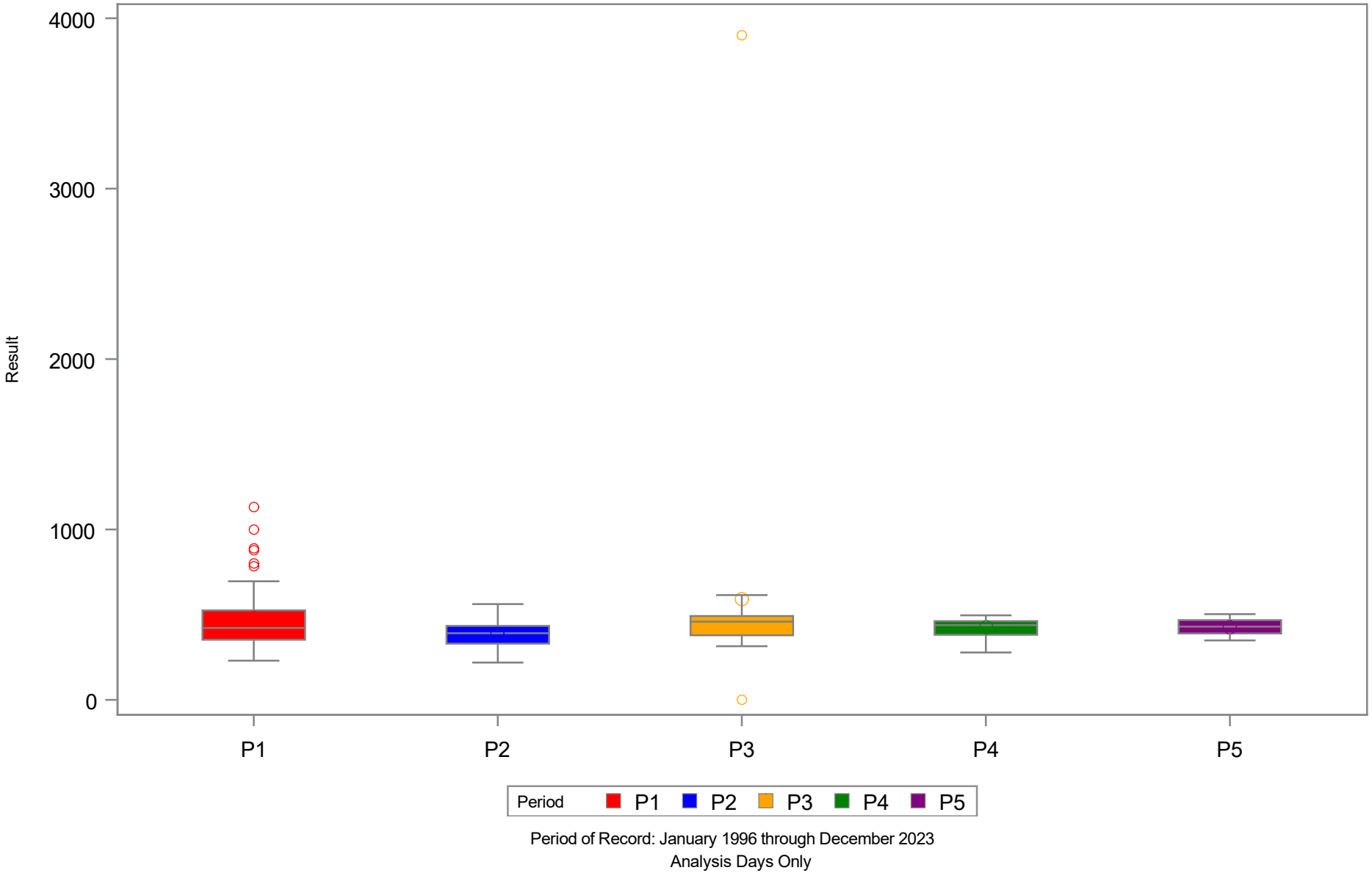
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	230.00	353.00	482.48	422.00	525.00	1132.00
P2	42	219.00	330.00	385.12	391.00	434.00	562.00
P3	21	3.02	379.00	590.10	459.00	492.00	3900.00
P4	22	278.00	382.00	423.36	438.50	462.00	496.00
P5	25	349.00	390.00	425.88	430.00	468.00	503.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

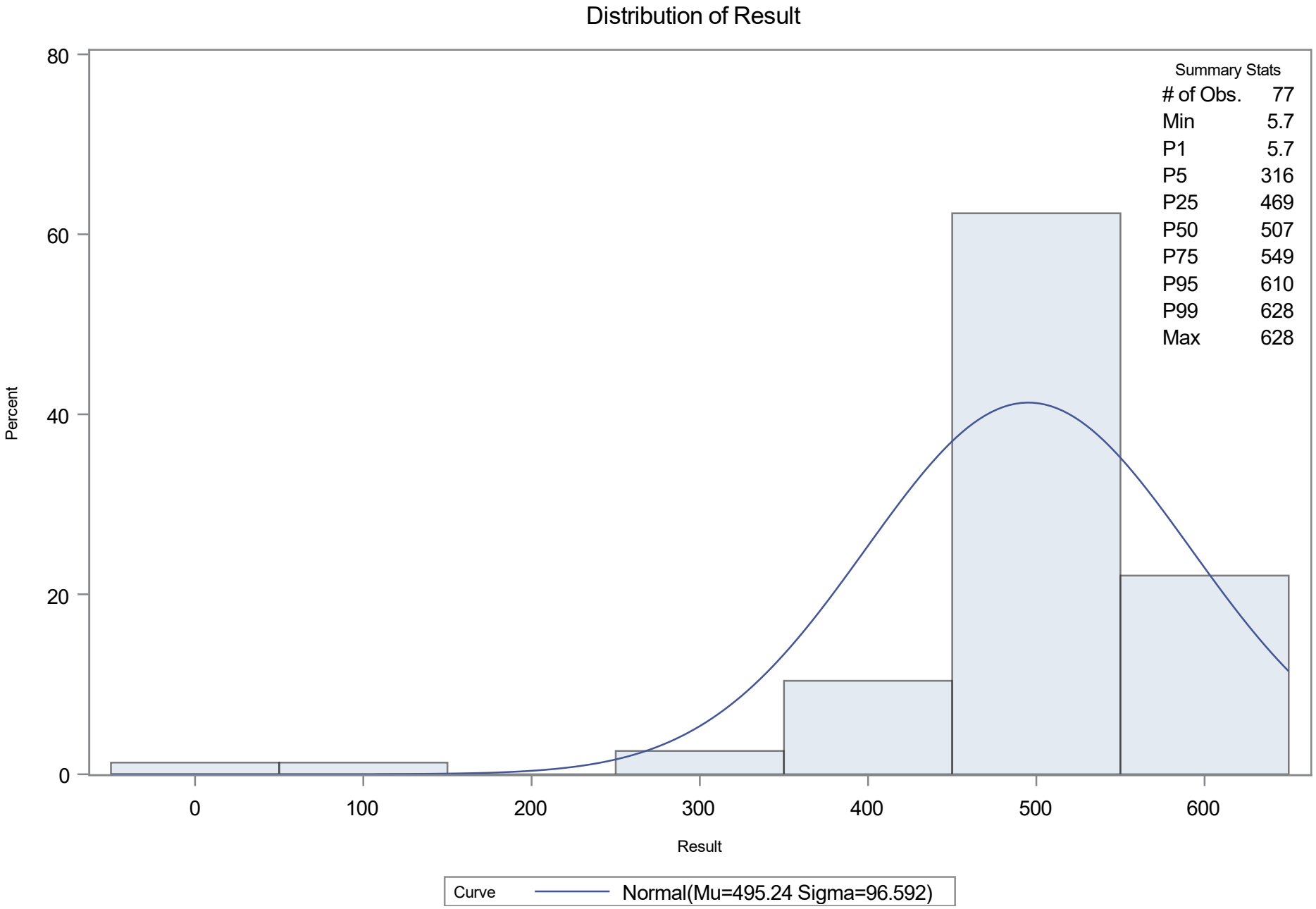
DRAFT

Timeseries of Surface Specific Conductance (us/cm) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	495.2429
Std Dev	Sigma	96.59179

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16808954	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.63757051	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.86365371	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.70000	270.537
5.0	316.00000	336.364
10.0	408.00000	371.456
25.0	469.00000	430.093
50.0	507.00000	495.243
75.0	549.00000	560.393
90.0	583.00000	619.030
95.0	610.00000	654.122
99.0	628.00000	719.949

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

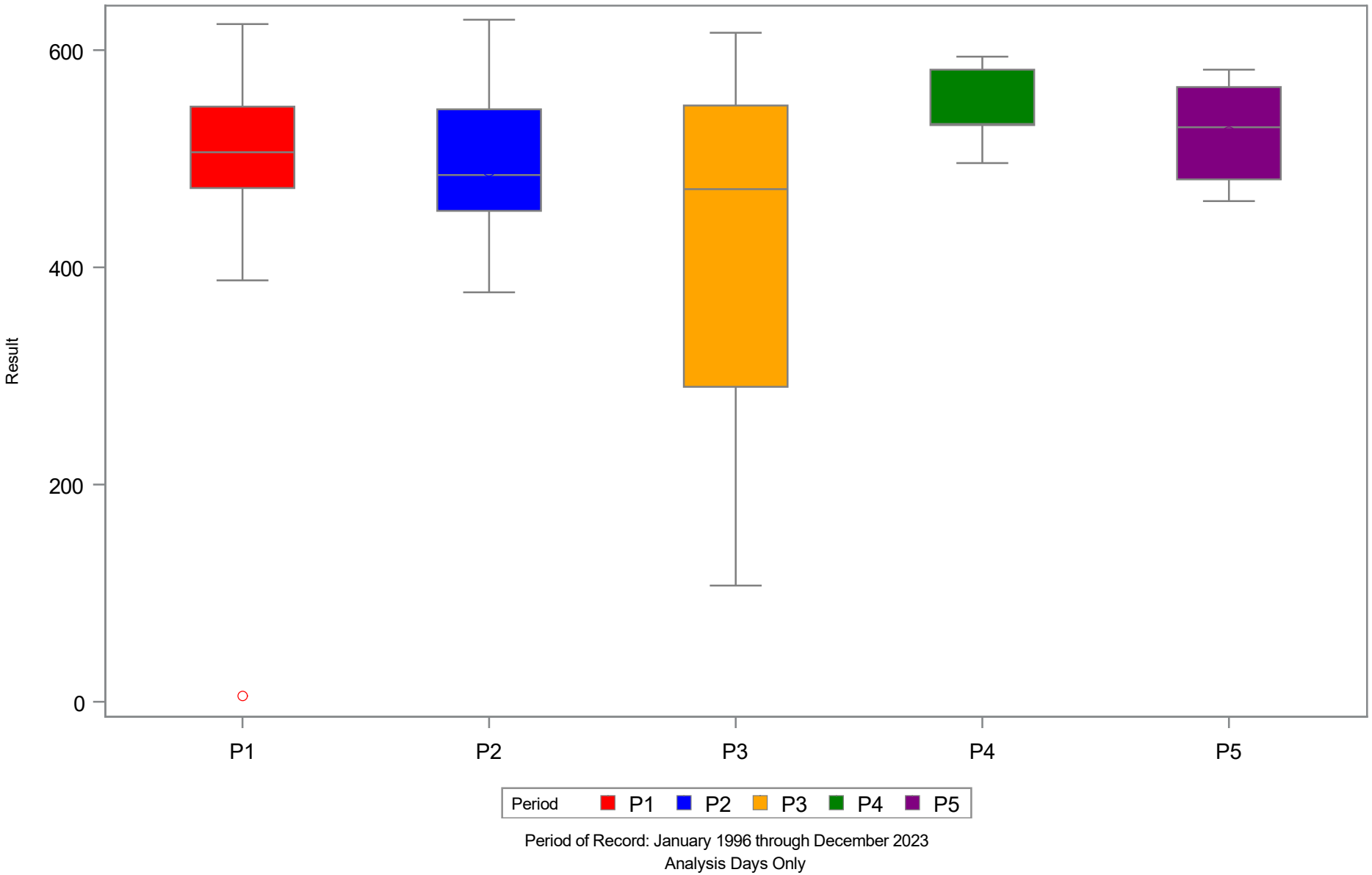
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	5.70	473.00	498.37	506.00	548.00	624.00
P2	12	377.00	452.00	490.17	485.00	545.50	628.00
P3	7	107.00	290.00	413.86	472.00	549.00	616.00
P4	6	496.00	531.00	544.50	532.00	582.00	594.00
P5	7	461.00	481.00	523.00	529.00	566.00	582.00

Period of Record: January 1996 through December 2023
Analysis Days Only

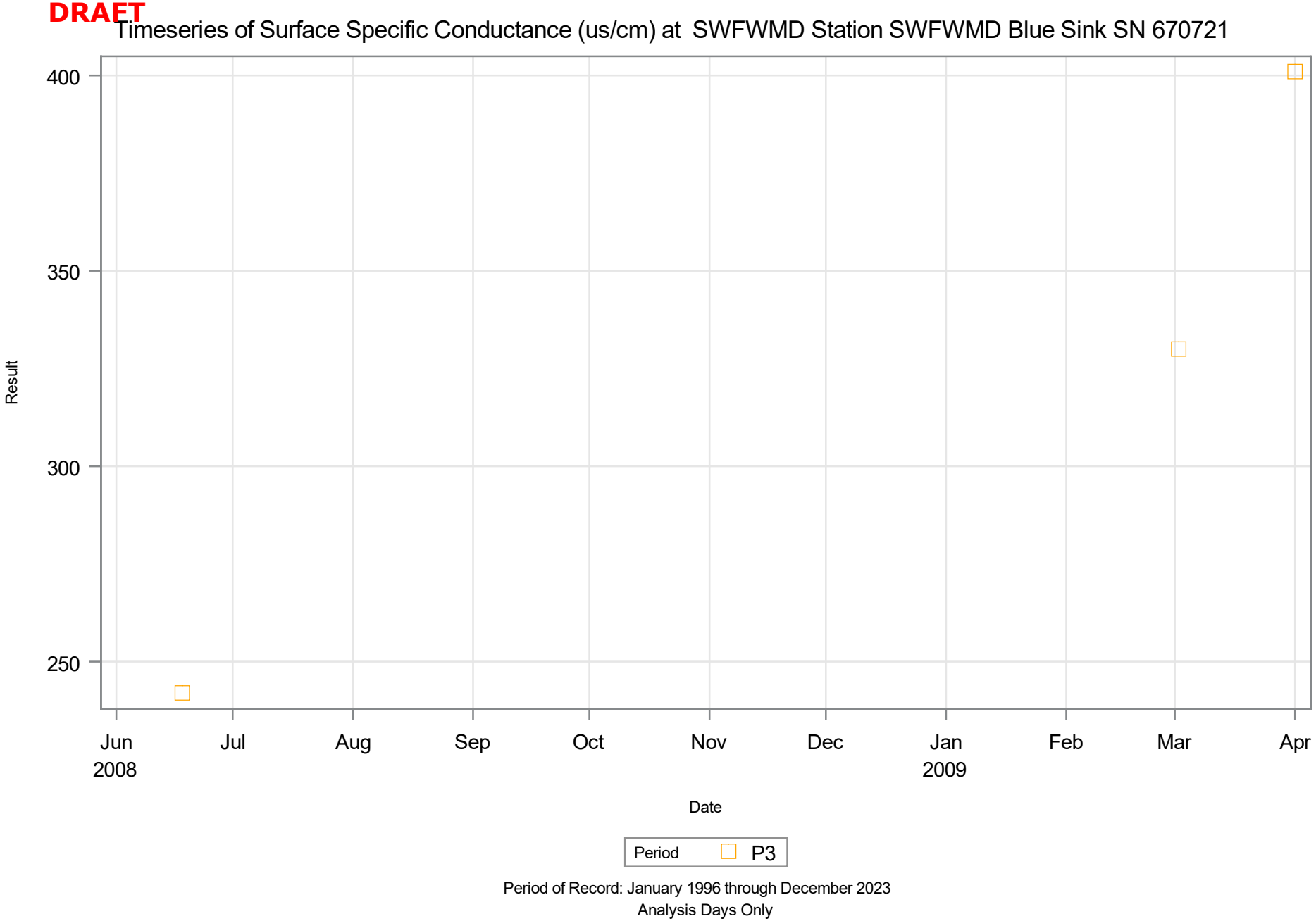
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



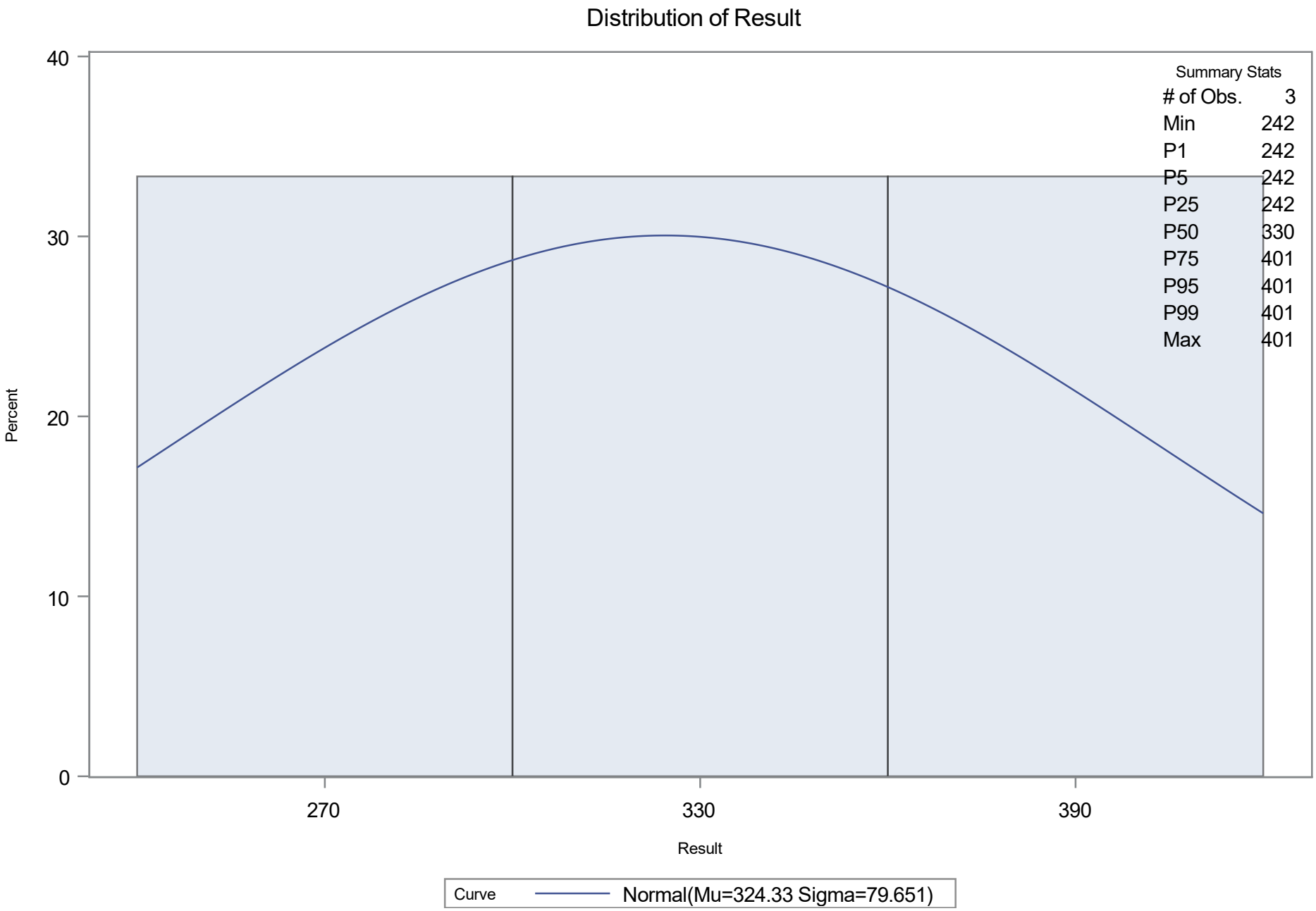
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD Blue Sink SN 670721
400
350
300
250
Result
Jun
2008
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2009
Feb
Mar
Apr
Date
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	324.3333
Std Dev	Sigma	79.65132

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19502486	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02884017	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19372267	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	242.000	139.037
5.0	242.000	193.319
10.0	242.000	222.256
25.0	242.000	270.609
50.0	330.000	324.333
75.0	401.000	378.057
90.0	401.000	426.411
95.0	401.000	455.348
99.0	401.000	509.630

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

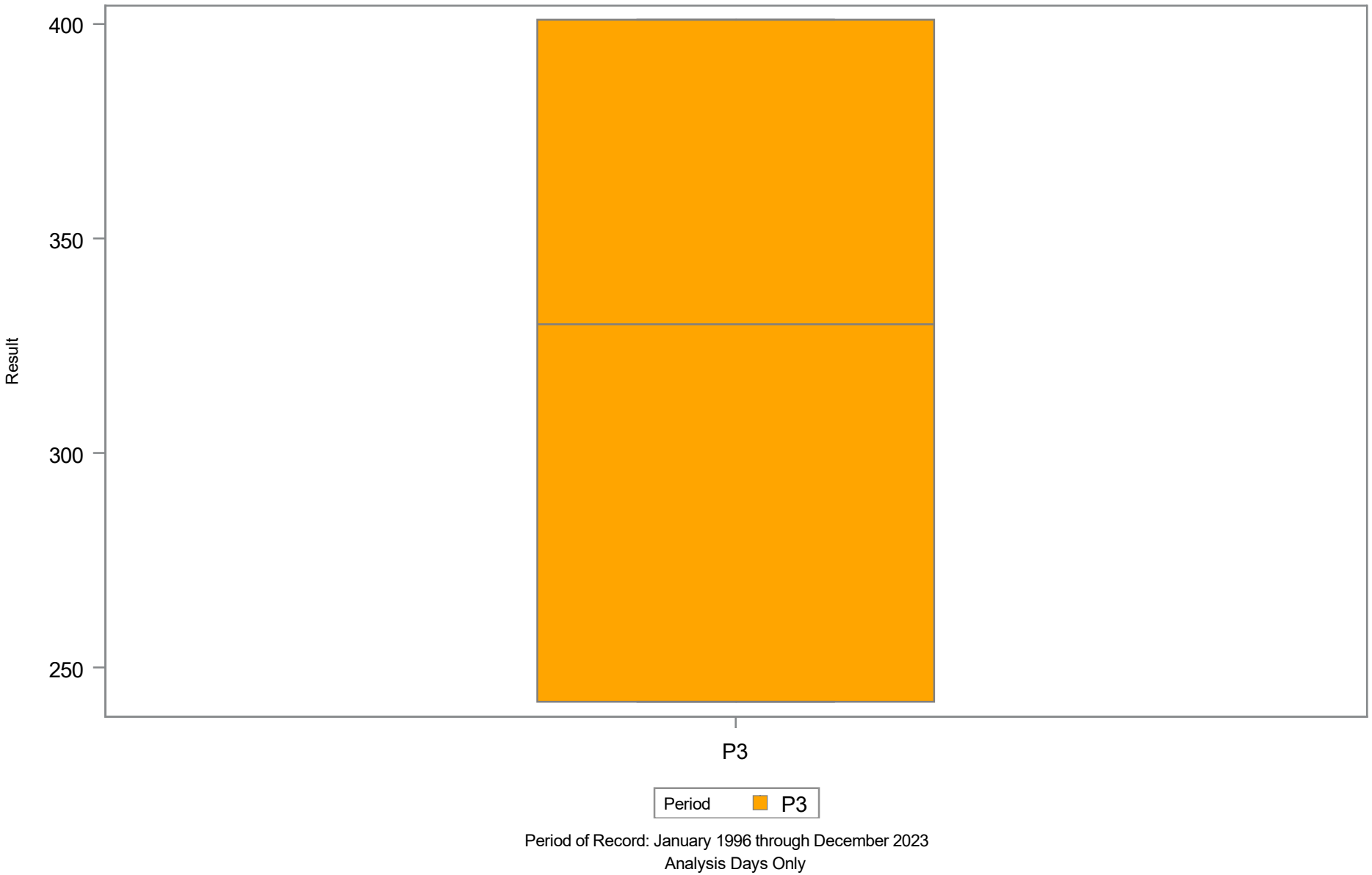
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD Blue Sink SN 670721

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	3	242.00	242.00	324.33	330.00	401.00	401.00

Period of Record: January 1996 through December 2023
Analysis Days Only

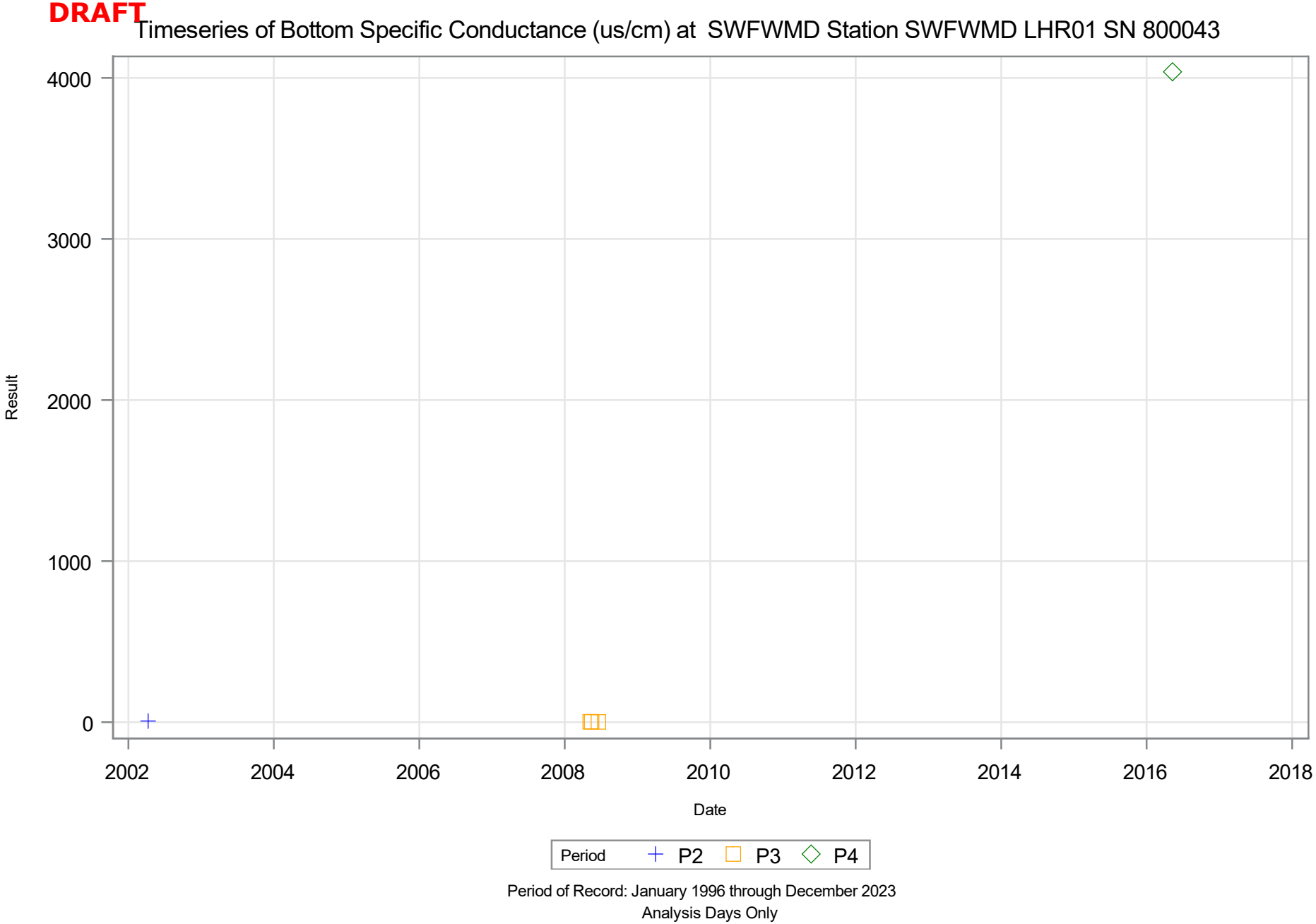
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD Blue Sink SN 670721



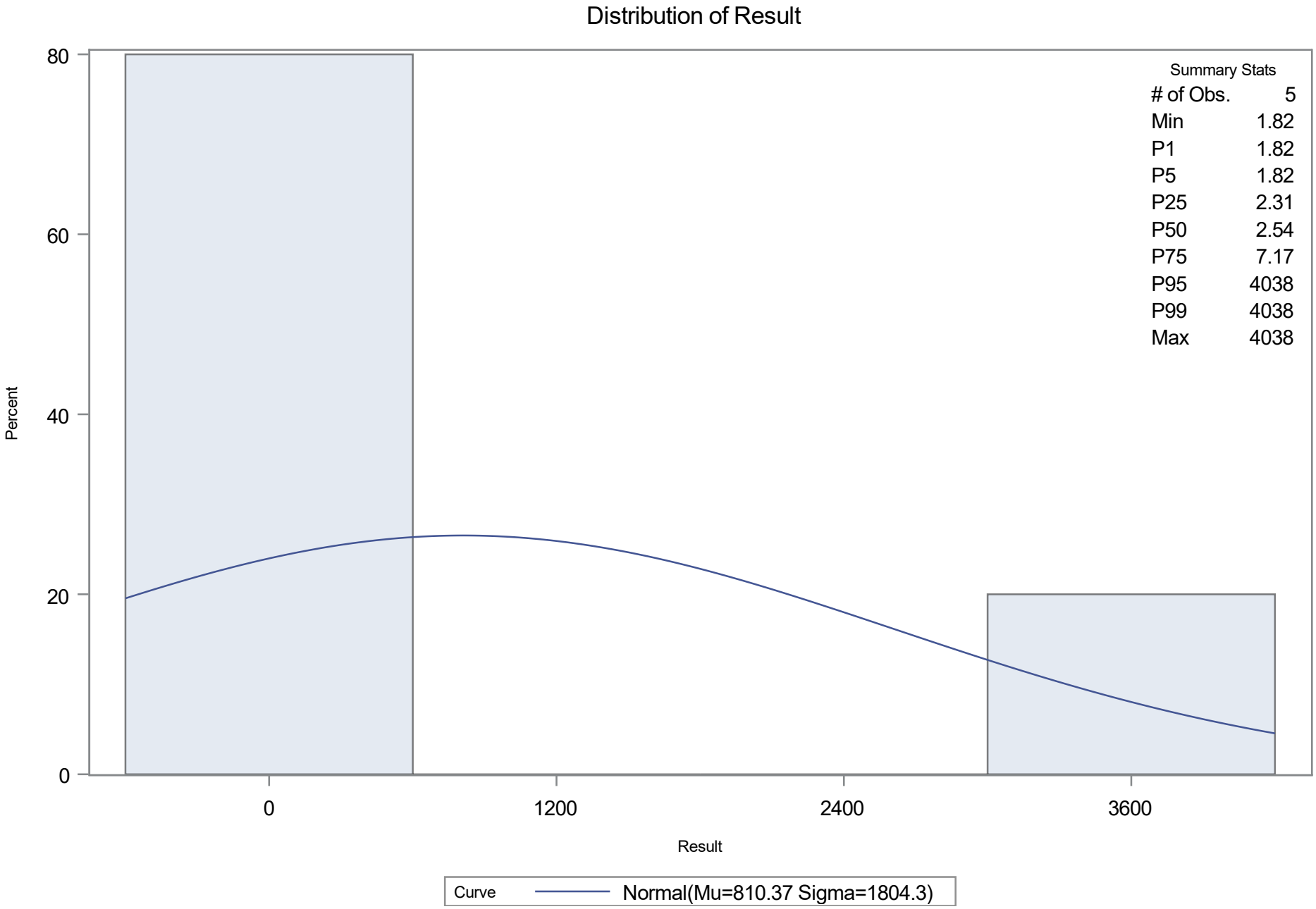
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
4000
3000
2000
1000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	810.368
Std Dev	Sigma	1804.302

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.47189688	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24111355	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.20175579	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.82000	-3387.067
5.0	1.82000	-2157.445
10.0	1.82000	-1501.939
25.0	2.31000	-406.615
50.0	2.54000	810.368
75.0	7.17000	2027.351
90.0	4038.00000	3122.675
95.0	4038.00000	3778.181
99.0	4038.00000	5007.803

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

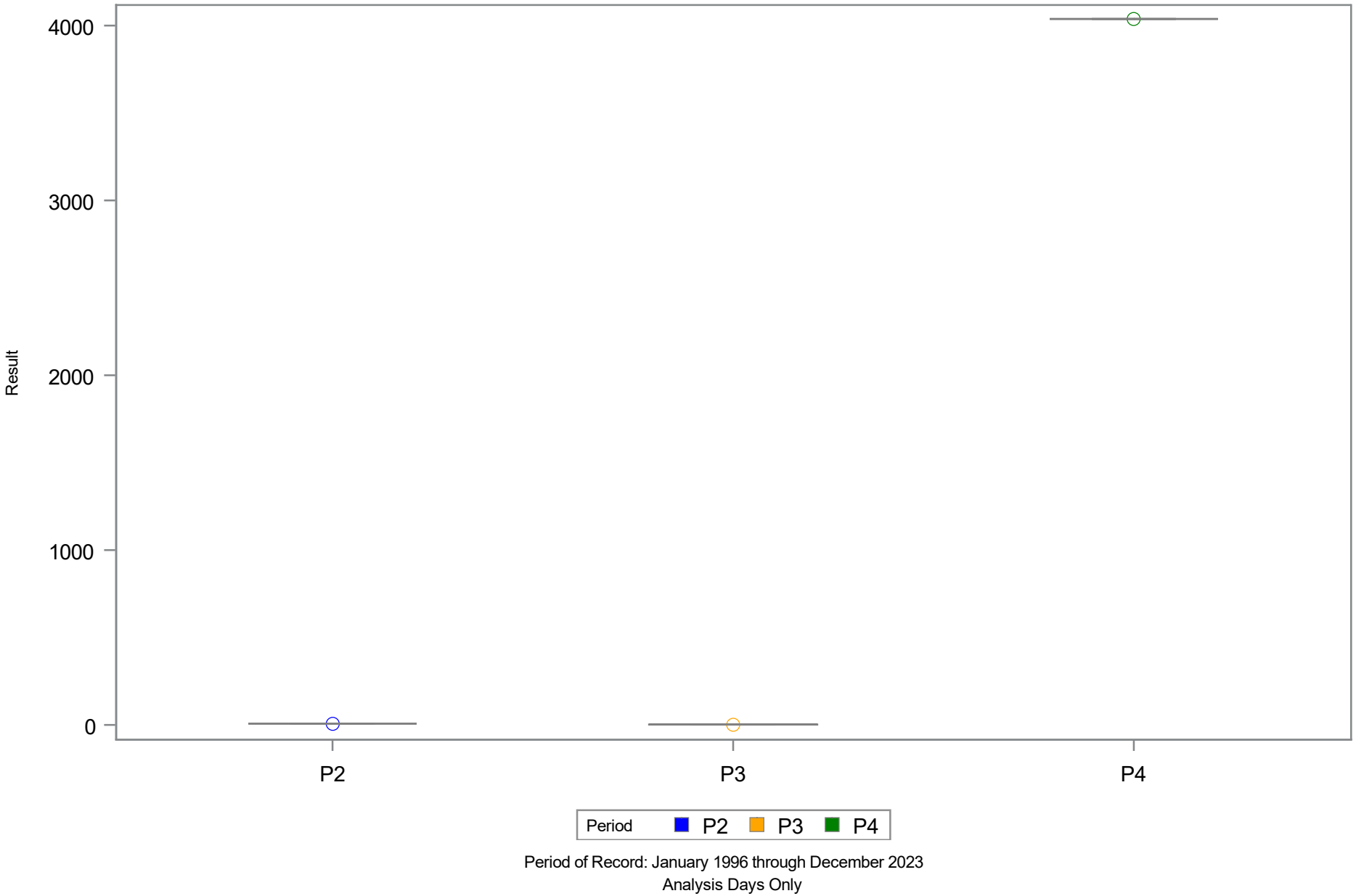
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	7.17	7.17	7.17	7.17	7.17	7.17
P3	3	1.82	1.82	2.22	2.31	2.54	2.54
P4	1	4038.00	4038.00	4038.00	4038.00	4038.00	4038.00

Period of Record: January 1996 through December 2023
Analysis Days Only

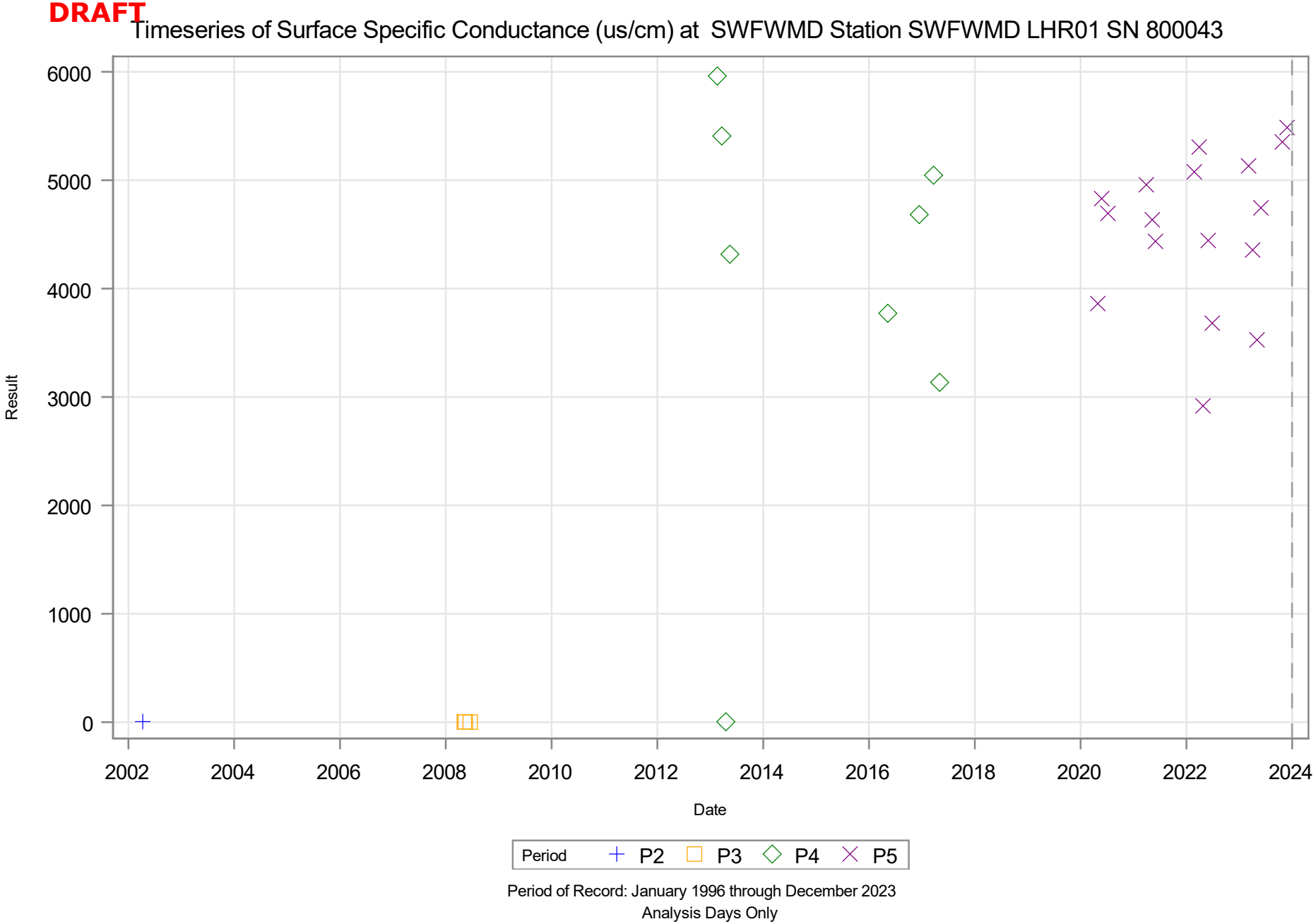
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043



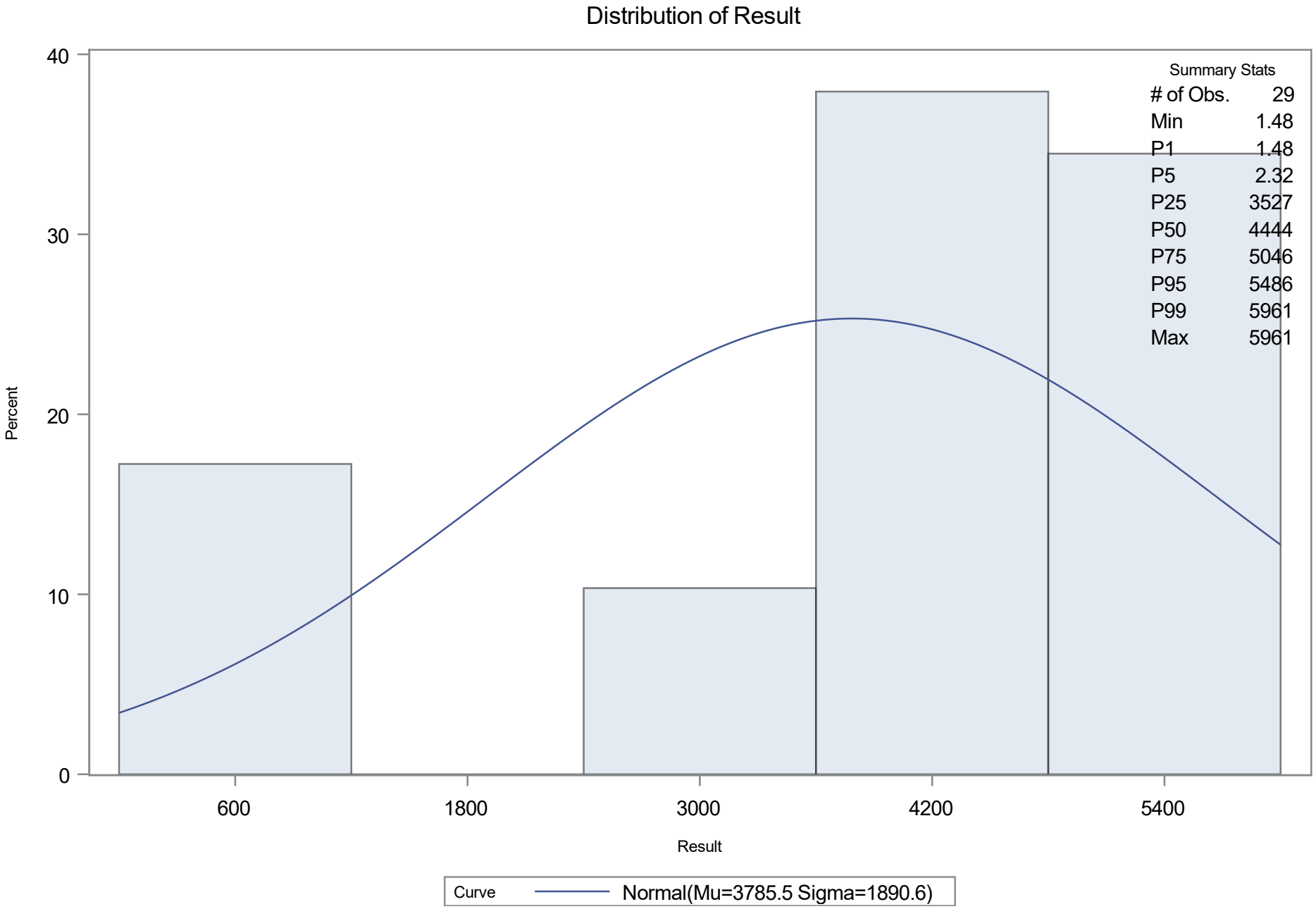
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
6000
5000
4000
3000
2000
1000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3785.455
Std Dev	Sigma	1890.64

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23139031	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.42040962	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.63135434	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.48000	-612.831
5.0	2.32000	675.629
10.0	2.57000	1362.502
25.0	3527.00000	2510.238
50.0	4444.00000	3785.455
75.0	5046.00000	5060.672
90.0	5408.00000	6208.407
95.0	5486.00000	6895.281
99.0	5961.00000	8183.741

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

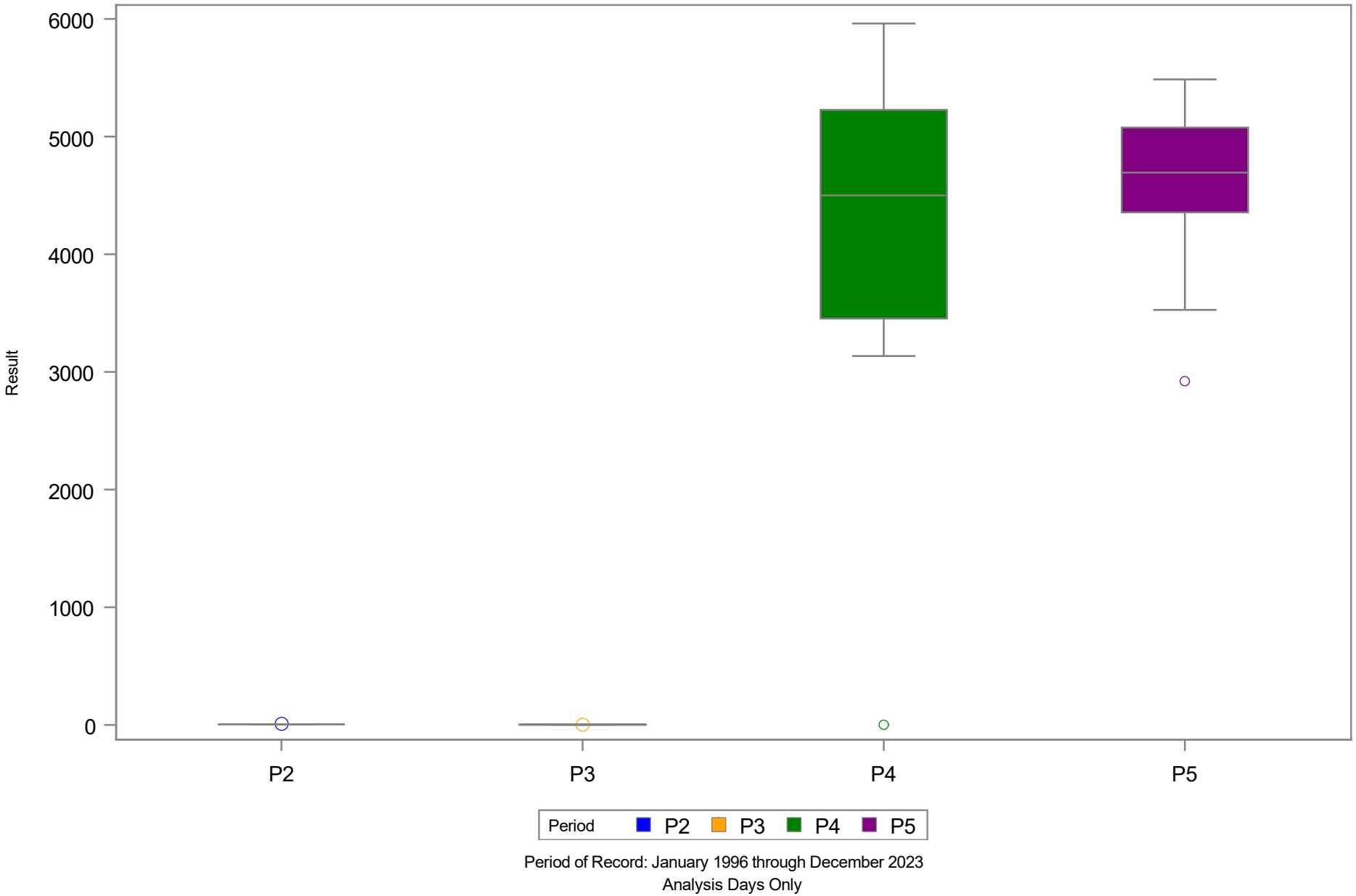
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	5.57	5.57	5.57	5.57	5.57	5.57
P3	3	1.48	1.48	2.12	2.32	2.57	2.57
P4	8	4.25	3453.50	4040.78	4500.00	5227.00	5961.00
P5	17	2918.00	4356.00	4555.29	4694.00	5077.00	5486.00

Period of Record: January 1996 through December 2023
Analysis Days Only

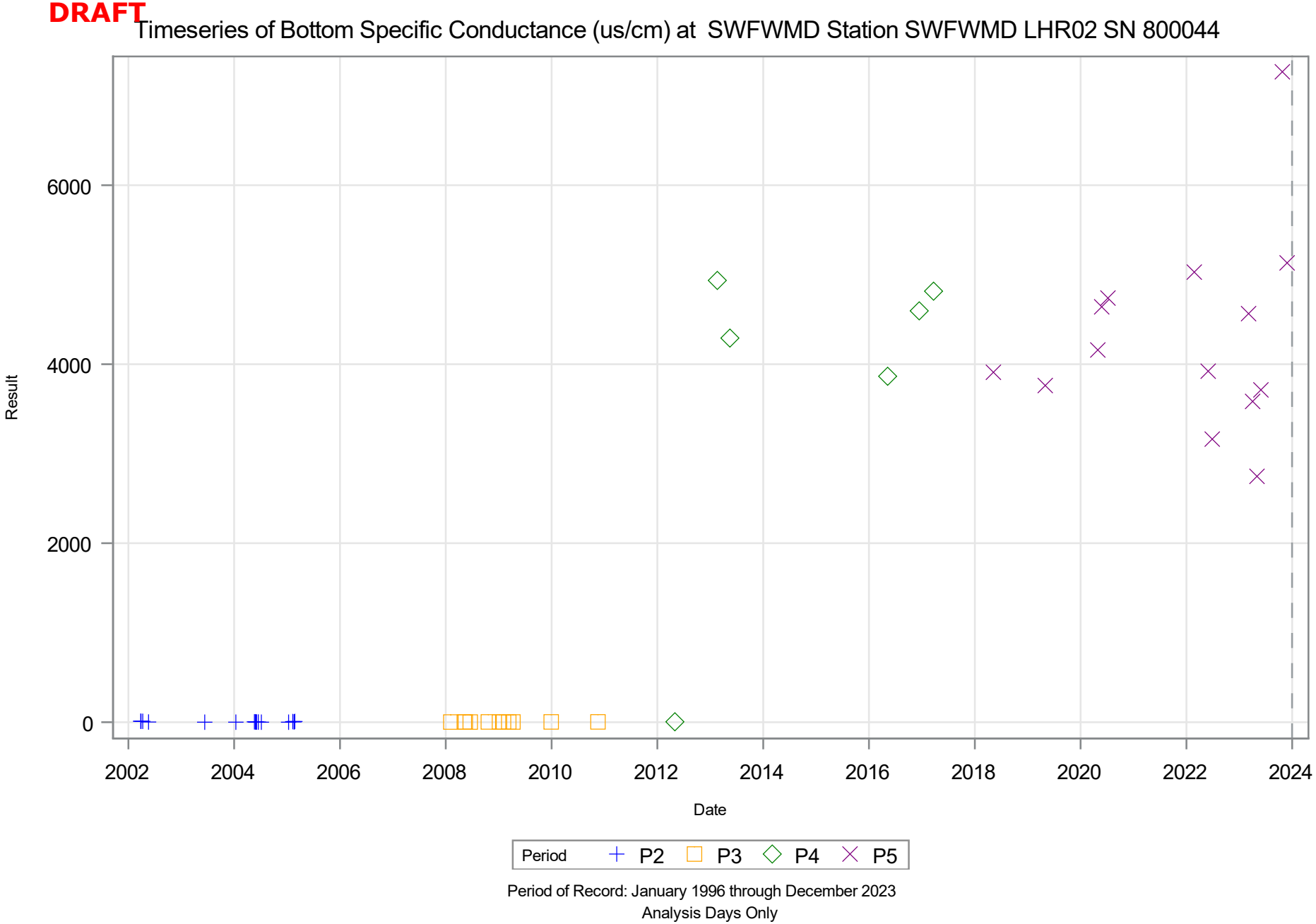
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR01 SN 800043



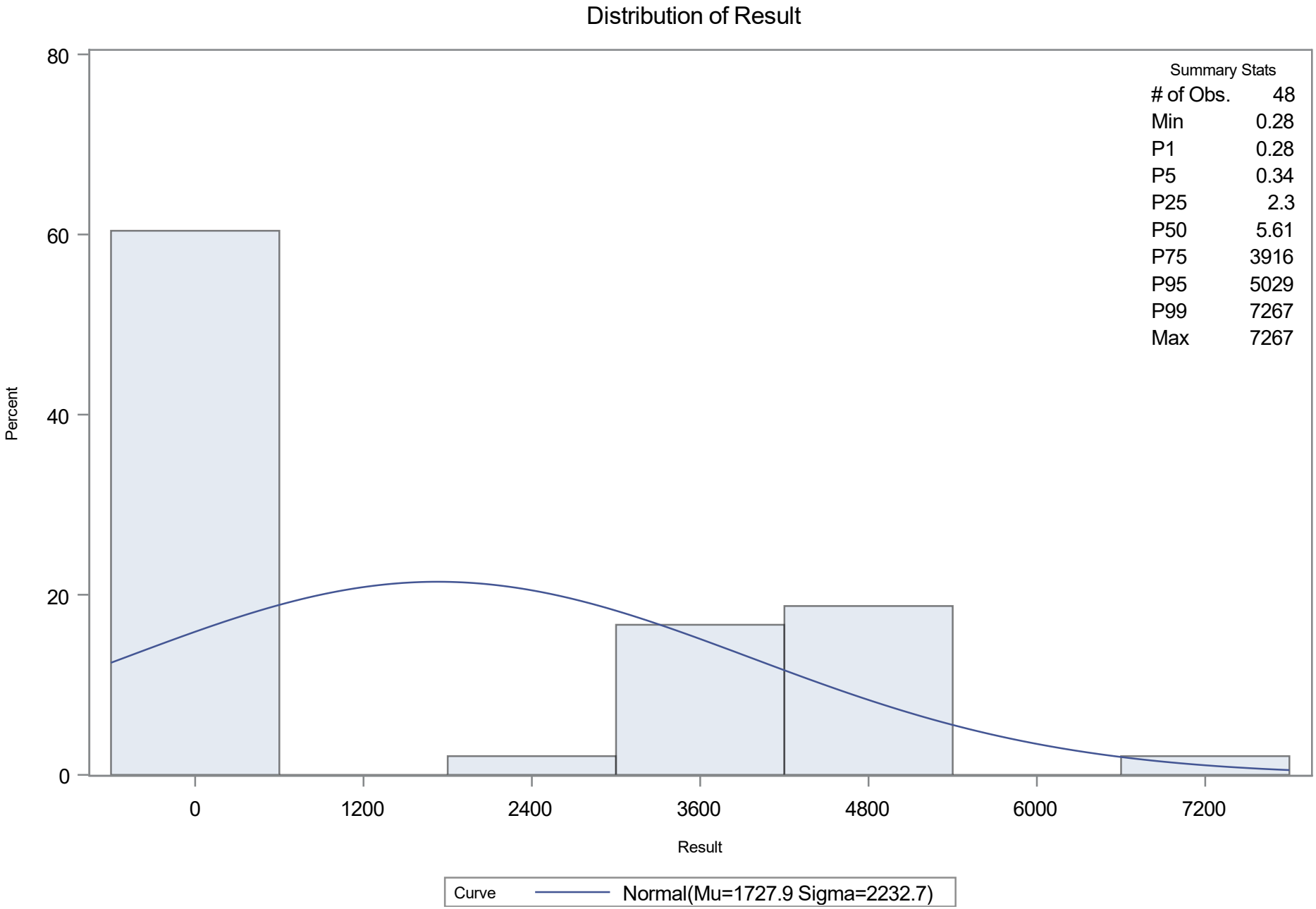
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1727.923
Std Dev	Sigma	2232.748

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.38315623	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.19455085	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.48774933	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.28000	-3466.225
5.0	0.34000	-1944.620
10.0	1.59000	-1133.458
25.0	2.30000	221.958
50.0	5.61000	1727.923
75.0	3916.00000	3233.889
90.0	4816.00000	4589.305
95.0	5029.00000	5400.467
99.0	7267.00000	6922.071

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

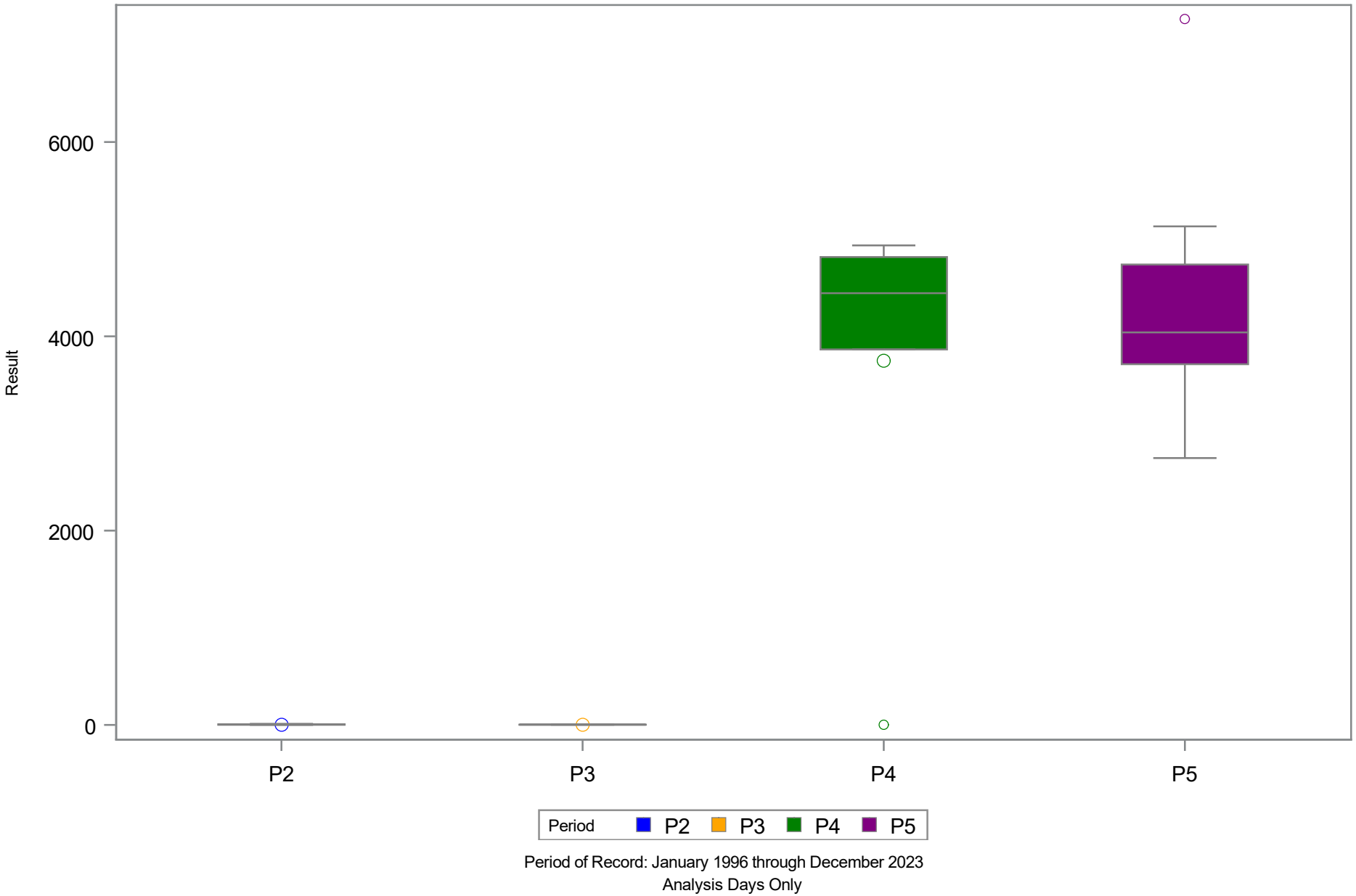
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	17	0.28	1.59	4.14	3.26	6.66	11.42
P3	11	1.75	2.18	2.49	2.50	2.87	3.37
P4	6	4.56	3865.00	3751.59	4444.00	4816.00	4936.00
P5	14	2747.00	3713.00	4309.50	4040.50	4739.00	7267.00

Period of Record: January 1996 through December 2023
Analysis Days Only

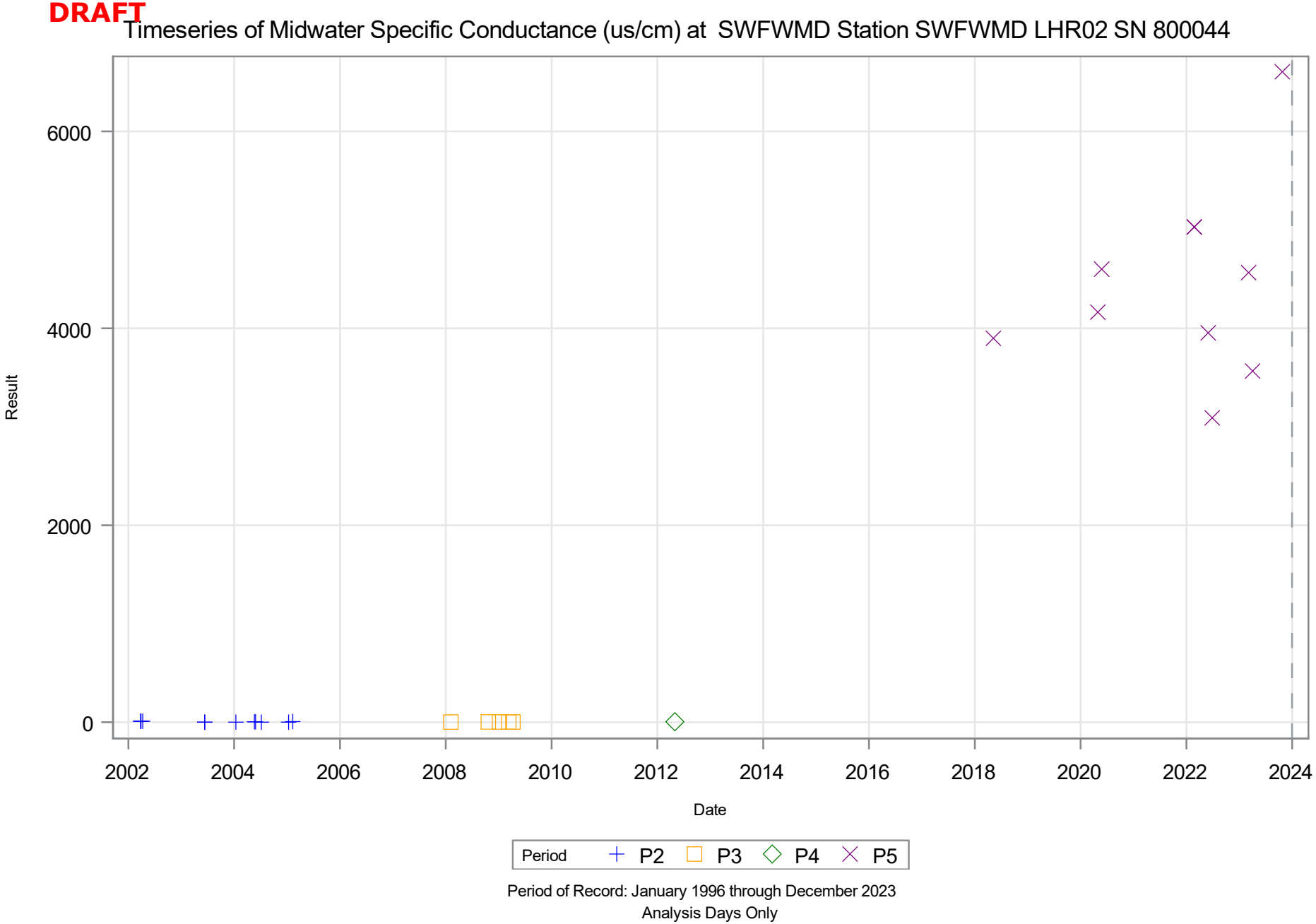
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044



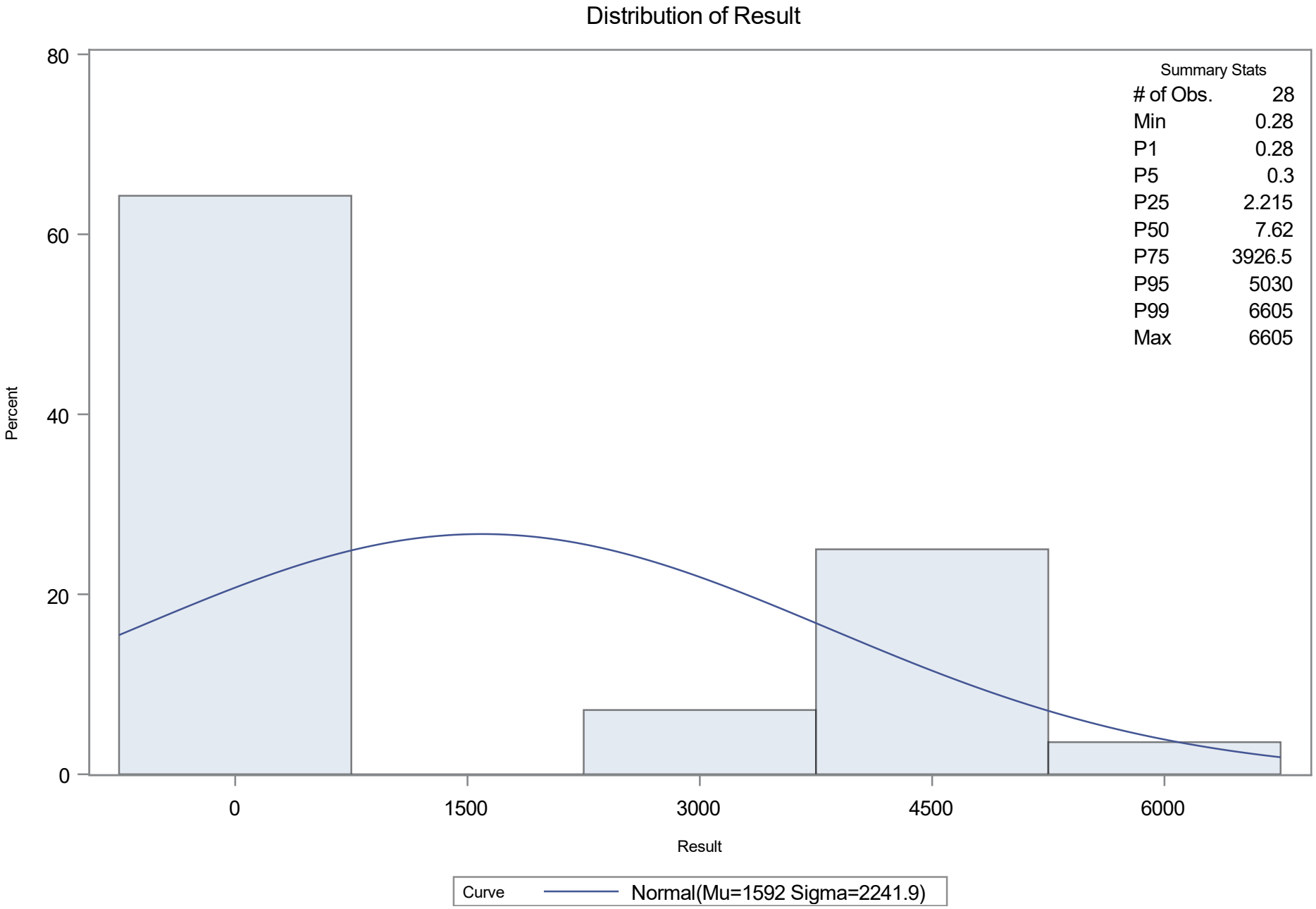
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1592.038
Std Dev	Sigma	2241.885

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.40242822	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.79228307	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.15818001	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.28000	-3623.3672
5.0	0.30000	-2095.5354
10.0	0.30000	-1281.0539
25.0	2.21500	79.9090
50.0	7.62000	1592.0375
75.0	3926.50000	3104.1660
90.0	5028.00000	4465.1289
95.0	5030.00000	5279.6104
99.0	6605.00000	6807.4422

Period of Record: January 1996 through December 2023
Analysis Days Only

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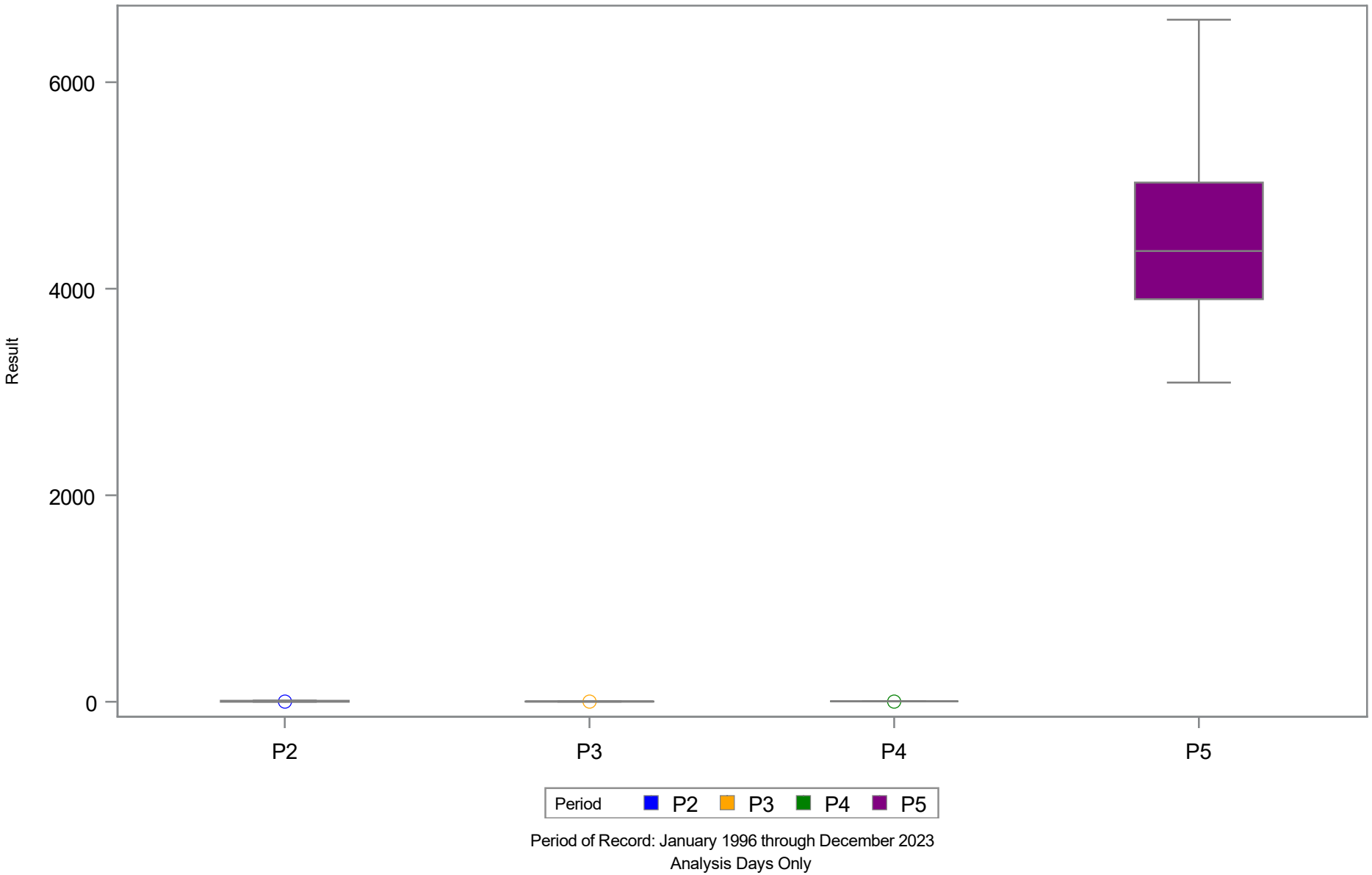
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	12	0.28	0.32	4.74	4.11	9.45	11.68
P3	5	1.76	2.17	2.32	2.26	2.58	2.85
P4	1	4.56	4.56	4.56	4.56	4.56	4.56
P5	10	3091.00	3899.00	4450.40	4365.00	5028.00	6605.00

Period of Record: January 1996 through December 2023
Analysis Days Only

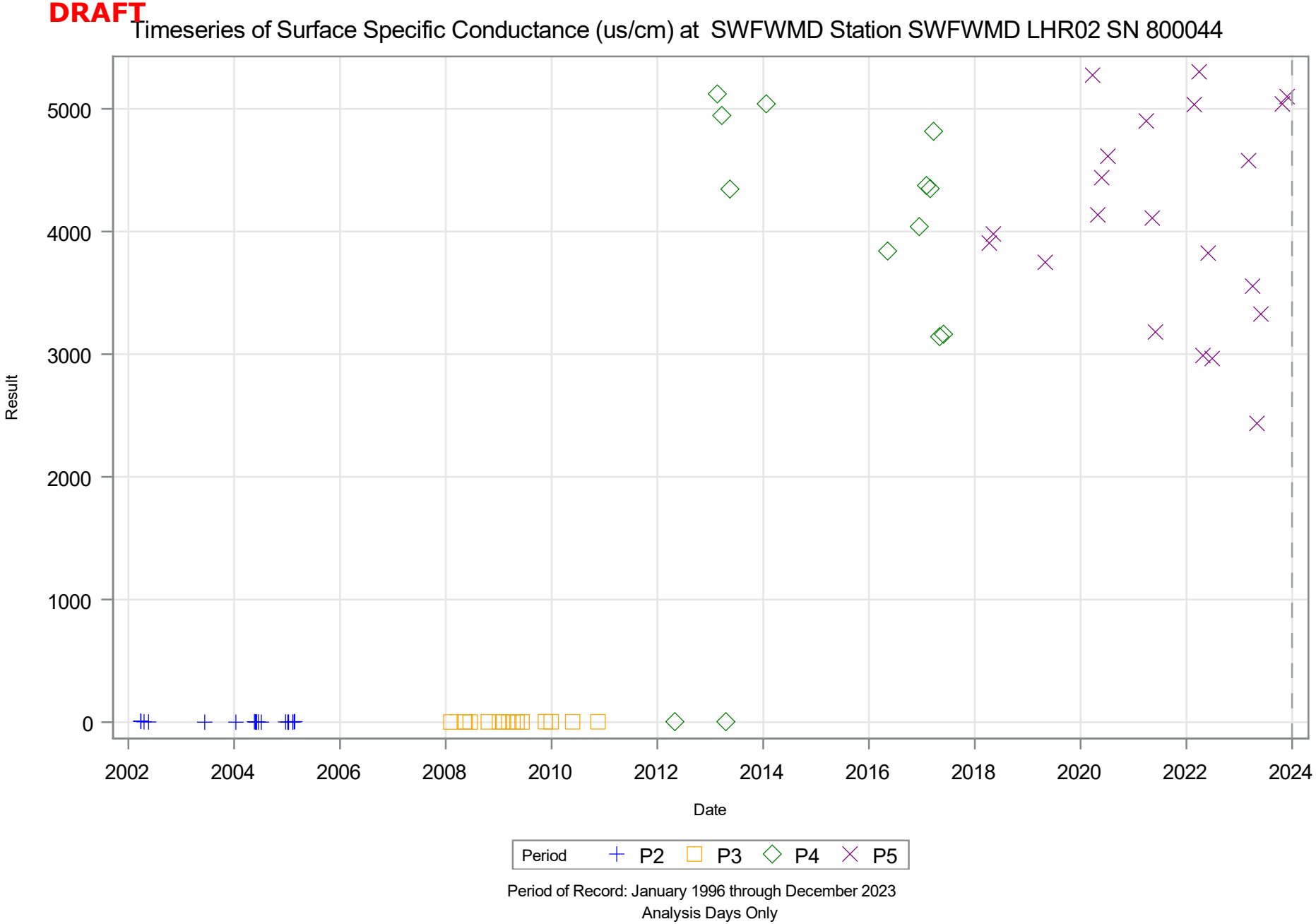
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044



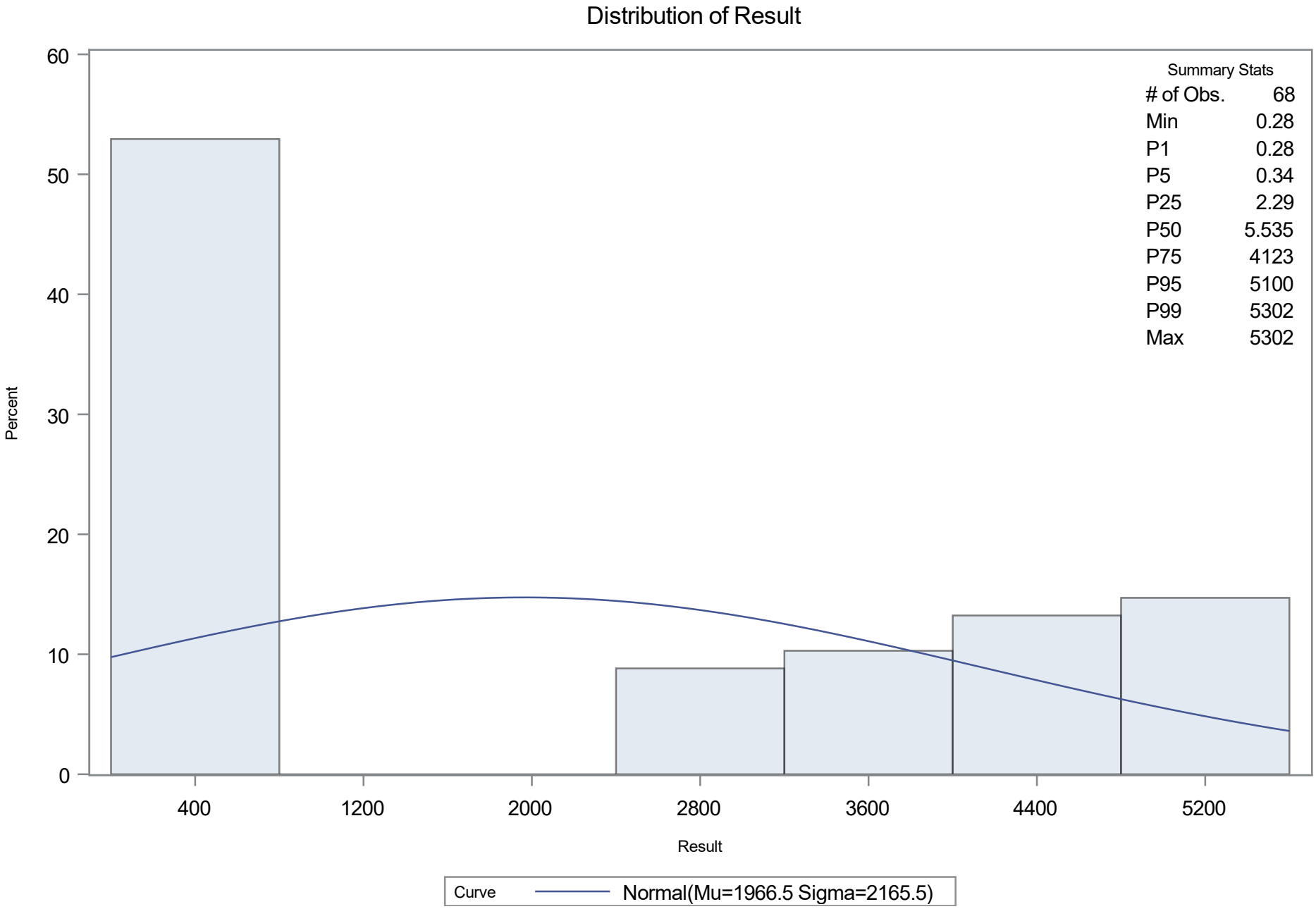
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
5000
4000
3000
2000
1000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1966.49
Std Dev	Sigma	2165.505

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34629929	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.32760640	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.80820503	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.28000	-3071.229
5.0	0.34000	-1595.450
10.0	1.48000	-808.717
25.0	2.29000	505.878
50.0	5.53500	1966.490
75.0	4123.00000	3427.101
90.0	5035.00000	4741.697
95.0	5100.00000	5528.429
99.0	5302.00000	7004.209

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

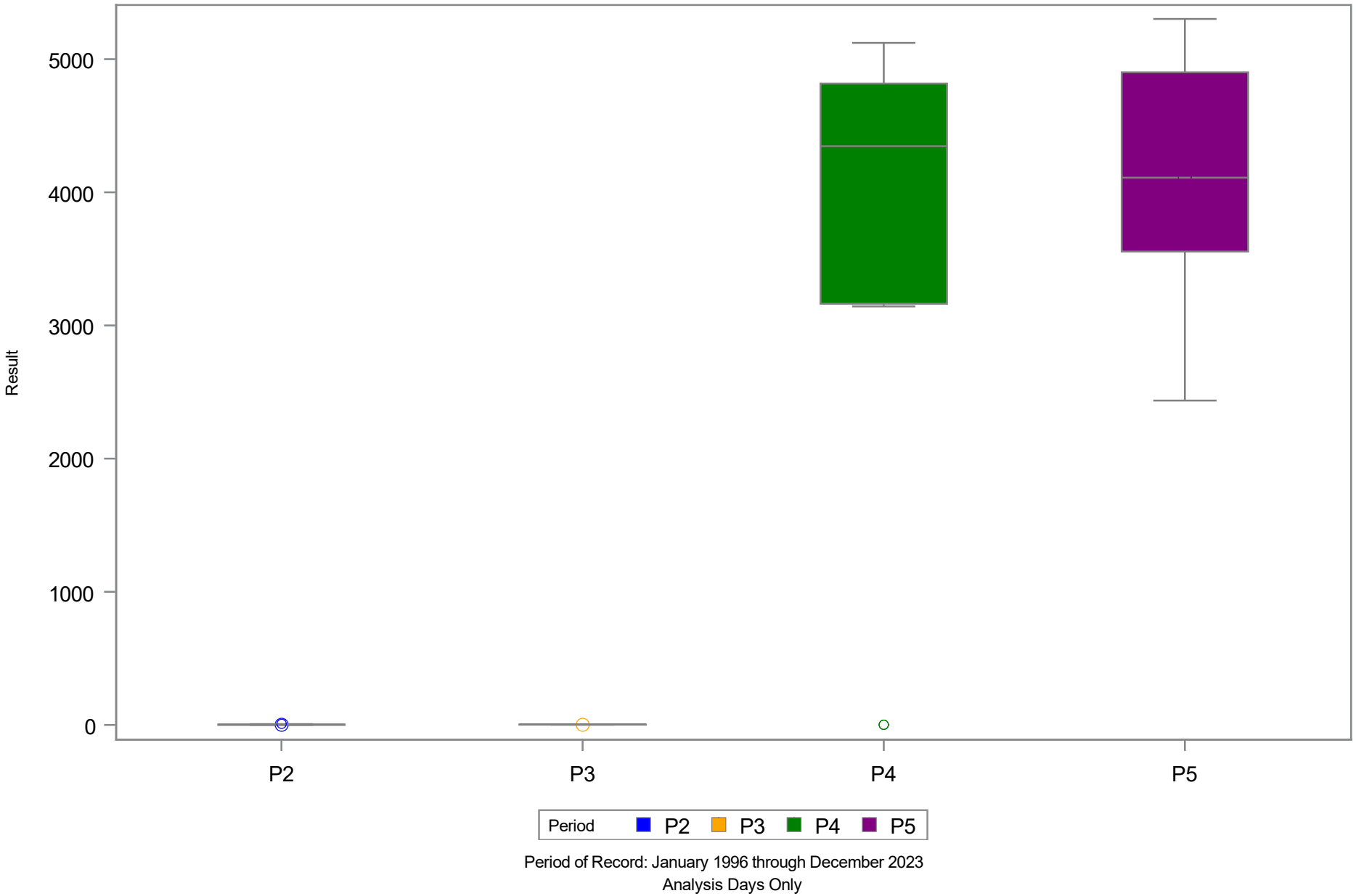
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	19	0.28	0.35	2.54	2.06	3.26	9.81
P3	15	1.64	2.07	2.55	2.49	3.26	3.88
P4	13	4.25	3163.00	3630.22	4346.00	4817.00	5122.00
P5	21	2436.00	3555.00	4116.29	4110.00	4901.00	5302.00

Period of Record: January 1996 through December 2023
Analysis Days Only

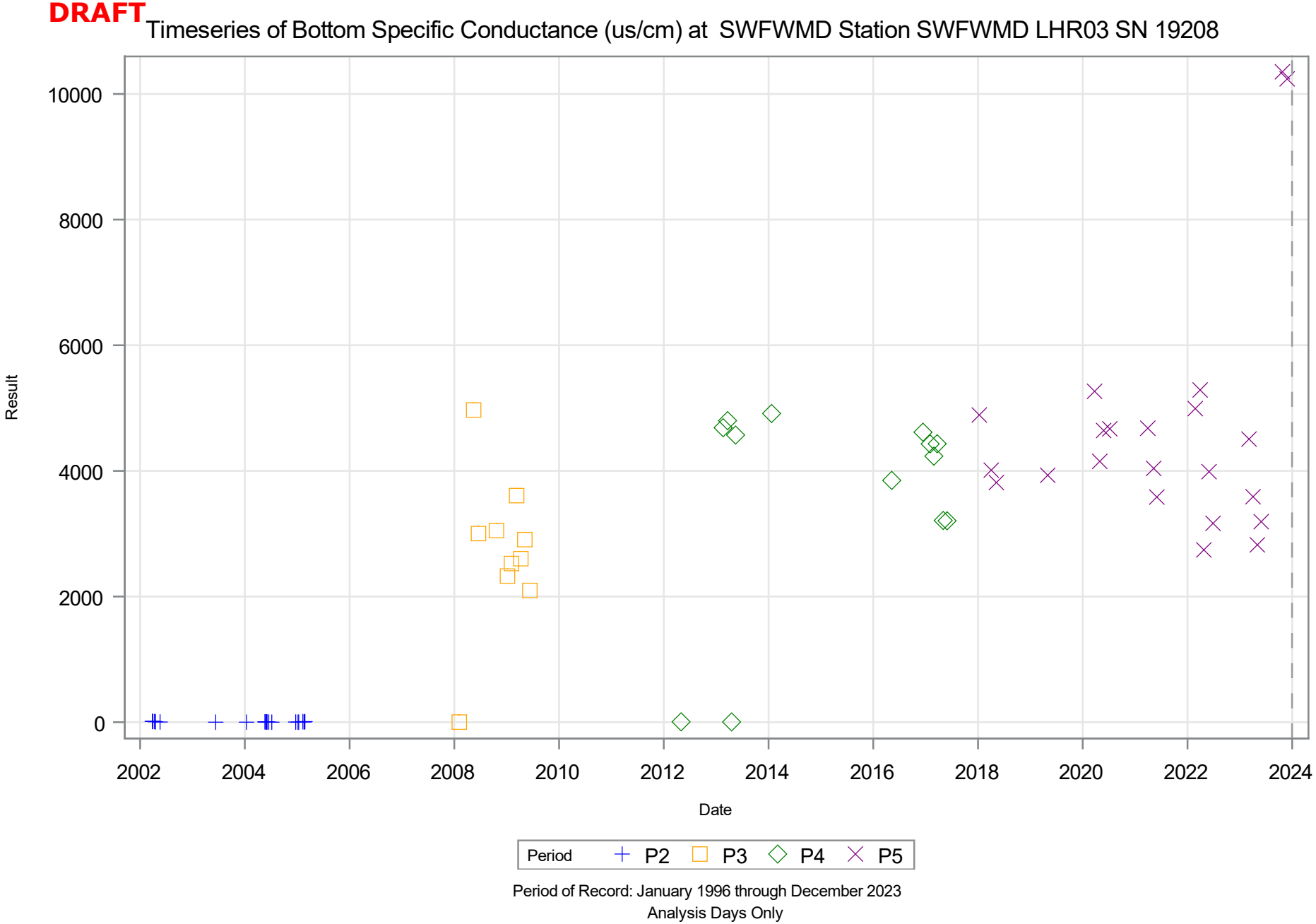
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR02 SN 800044



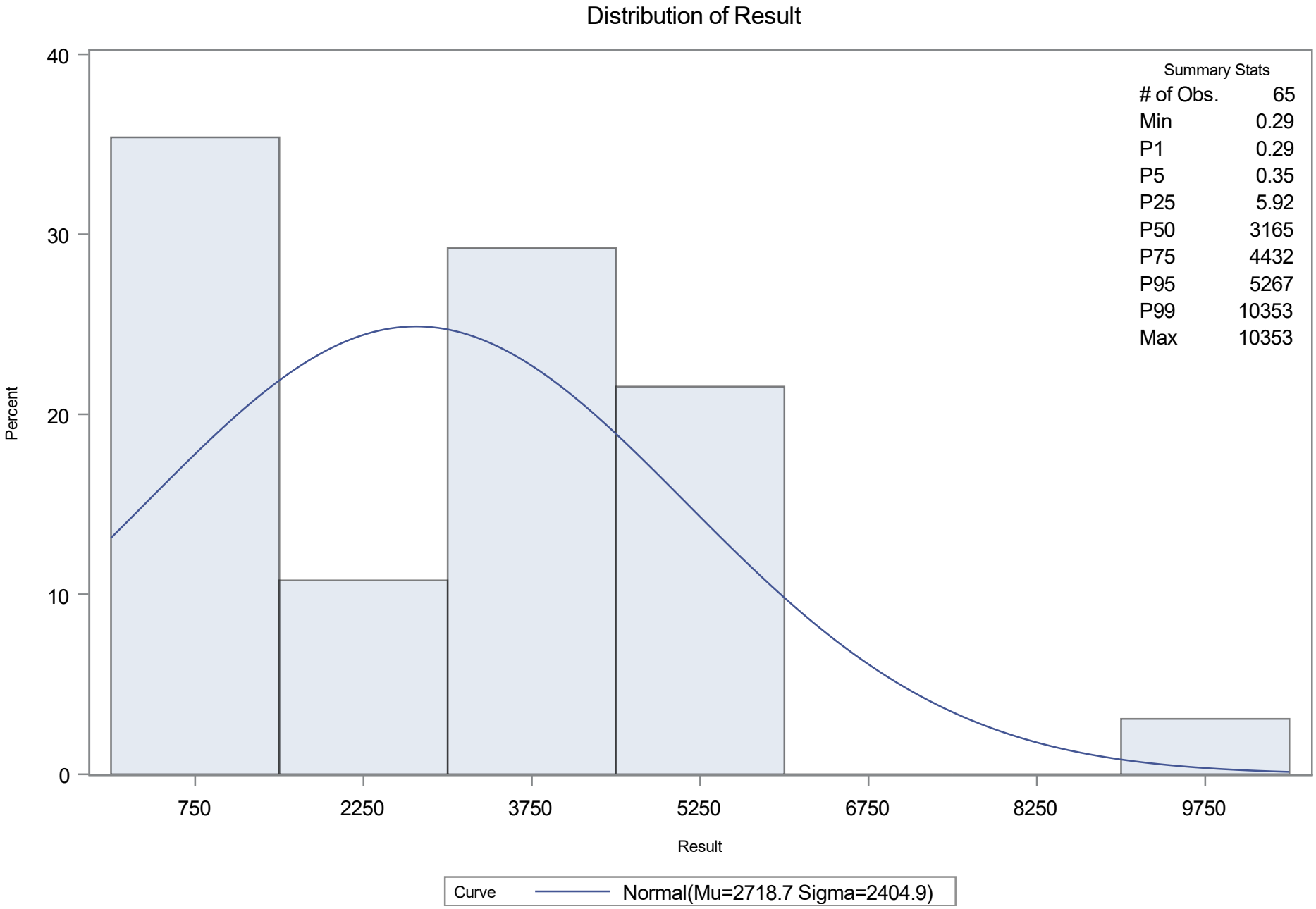
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
10000
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2718.675
Std Dev	Sigma	2404.899

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22350436	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.44041833	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.30164728	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.29000	-2875.957
5.0	0.35000	-1237.032
10.0	1.96000	-363.327
25.0	5.92000	1096.595
50.0	3165.00000	2718.675
75.0	4432.00000	4340.754
90.0	4914.00000	5800.676
95.0	5267.00000	6674.381
99.0	10353.00000	8313.306

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

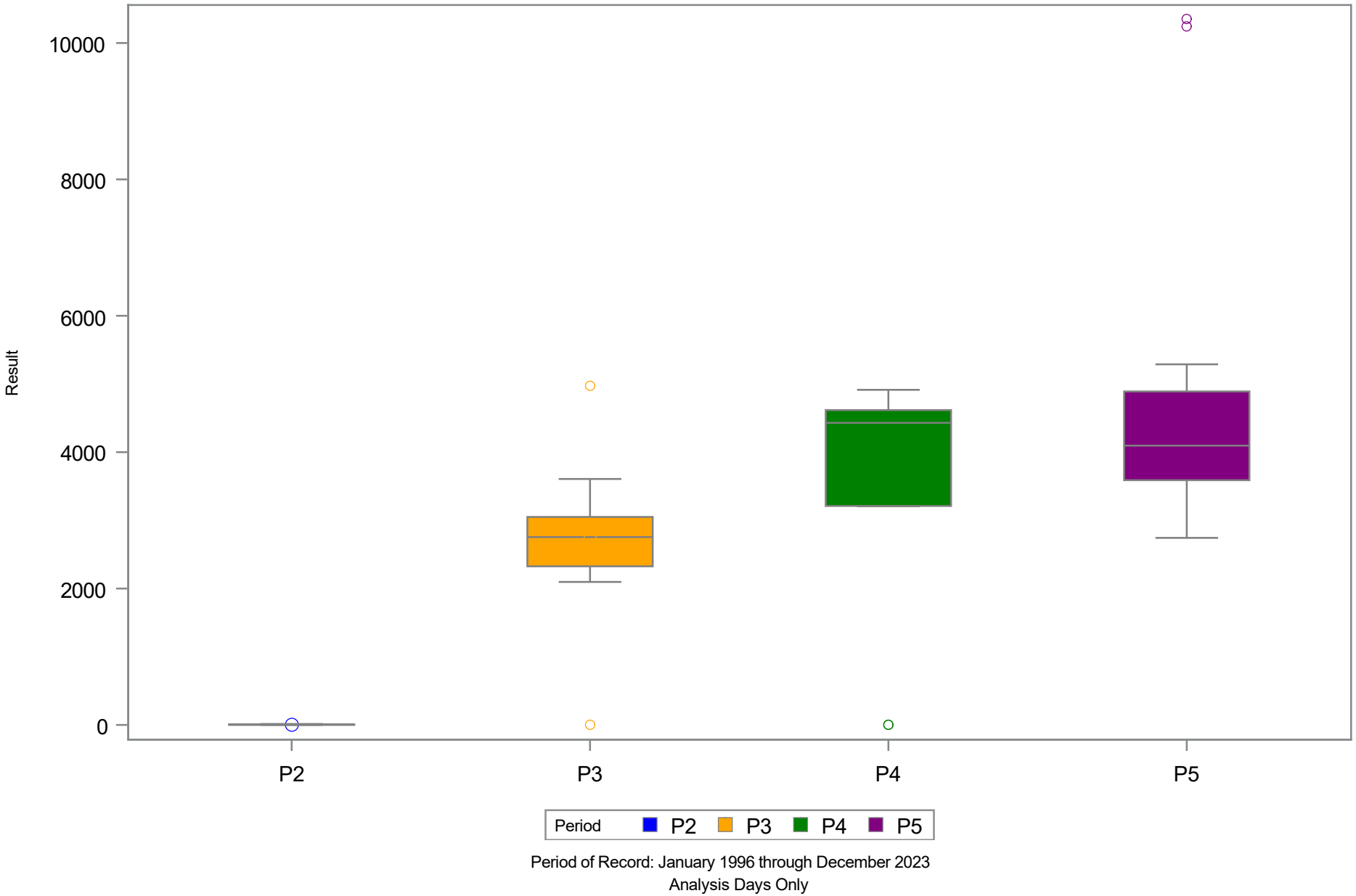
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.29	1.04	4.82	4.32	6.87	13.70
P3	10	1.96	2326.00	2709.10	2755.00	3050.00	4970.00
P4	13	4.22	3211.00	3612.49	4430.00	4616.00	4914.00
P5	22	2743.00	3589.00	4662.00	4096.00	4890.00	10353.00

Period of Record: January 1996 through December 2023
Analysis Days Only

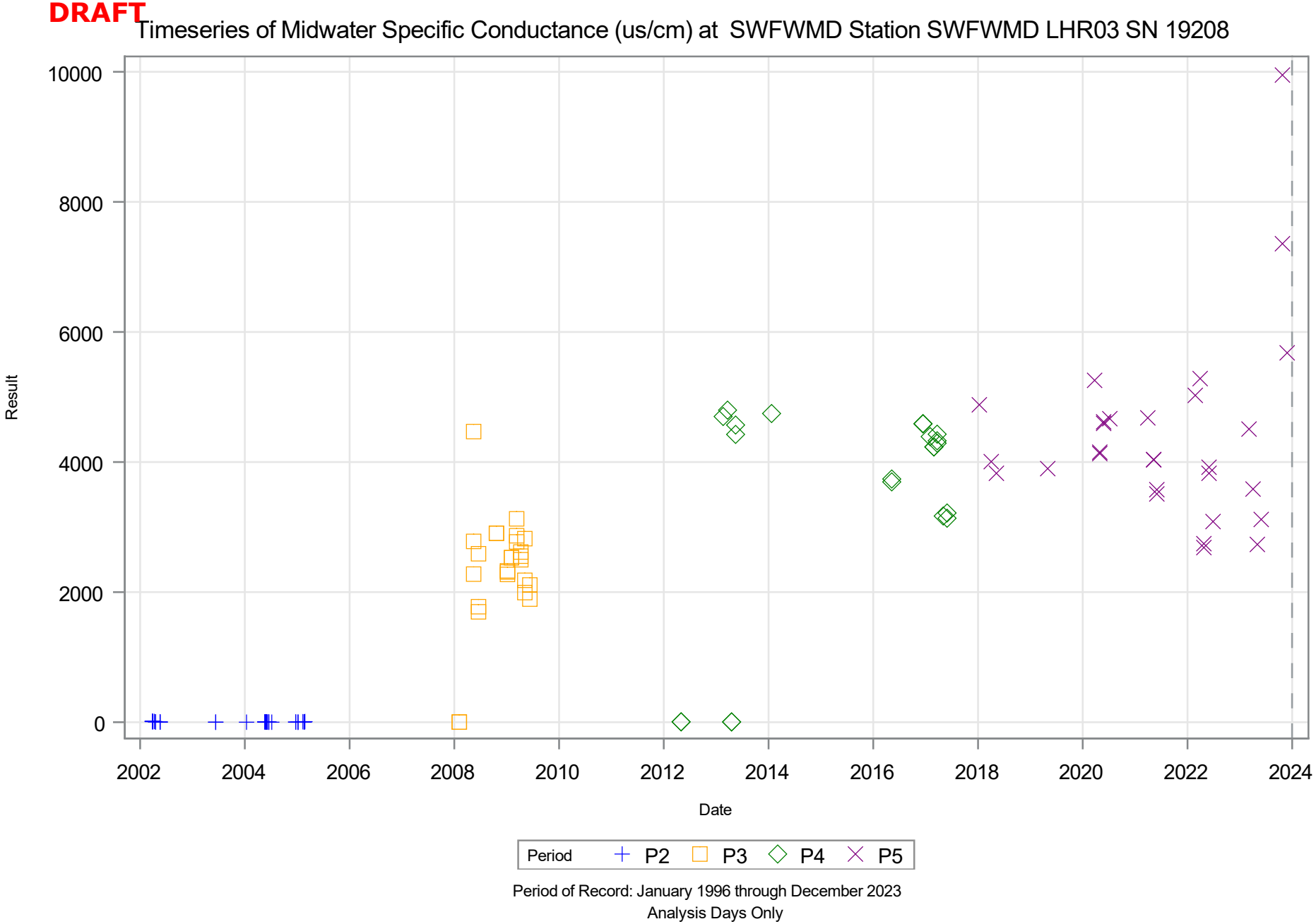
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208



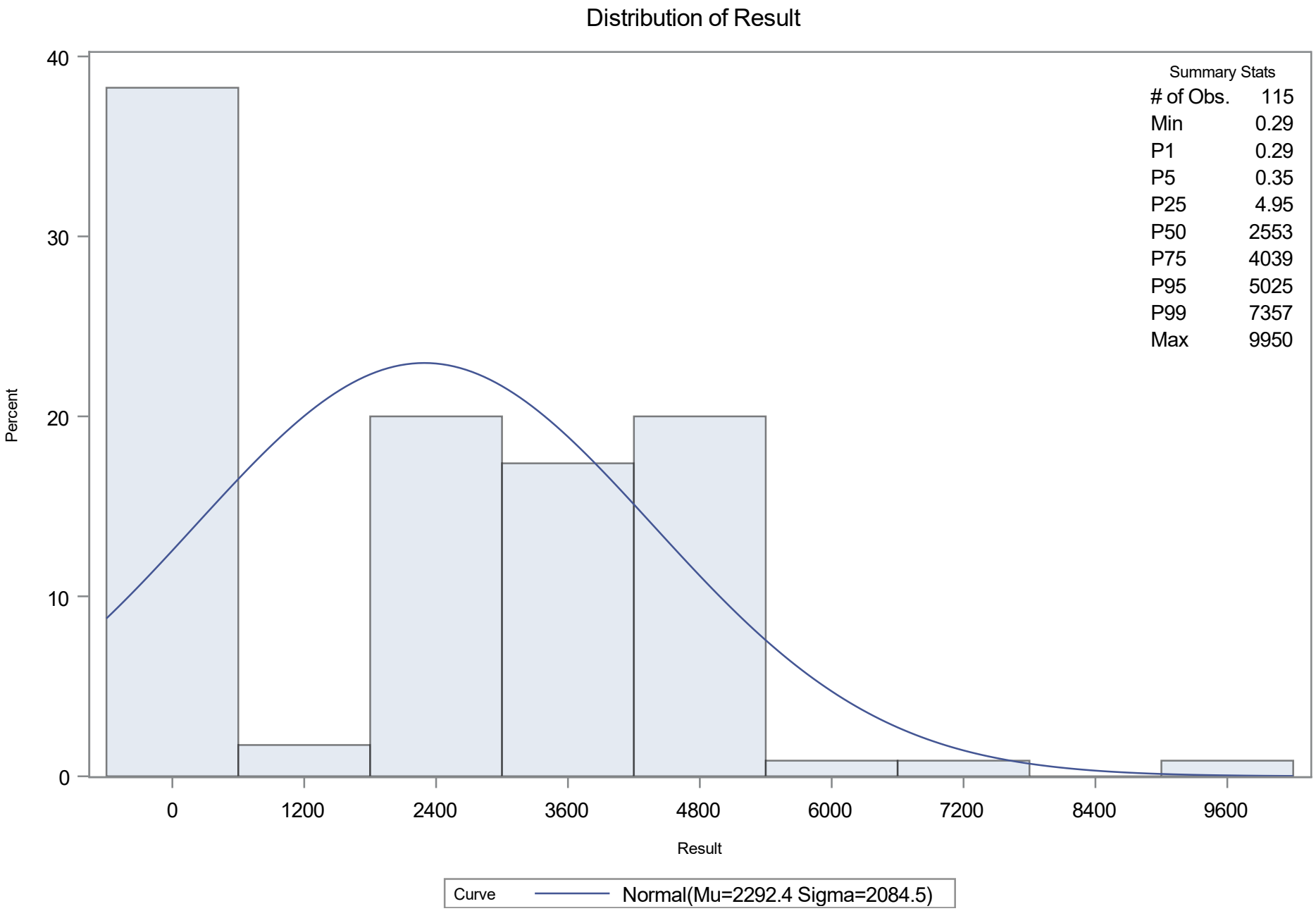
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
10000
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2292.434
Std Dev	Sigma	2084.524

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24545911	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.79463978	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.72377598	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.29000	-2556.894
5.0	0.35000	-1136.303
10.0	1.96000	-378.991
25.0	4.95000	886.444
50.0	2553.00000	2292.434
75.0	4039.00000	3698.424
90.0	4666.00000	4963.860
95.0	5025.00000	5721.171
99.0	7357.00000	7141.763

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

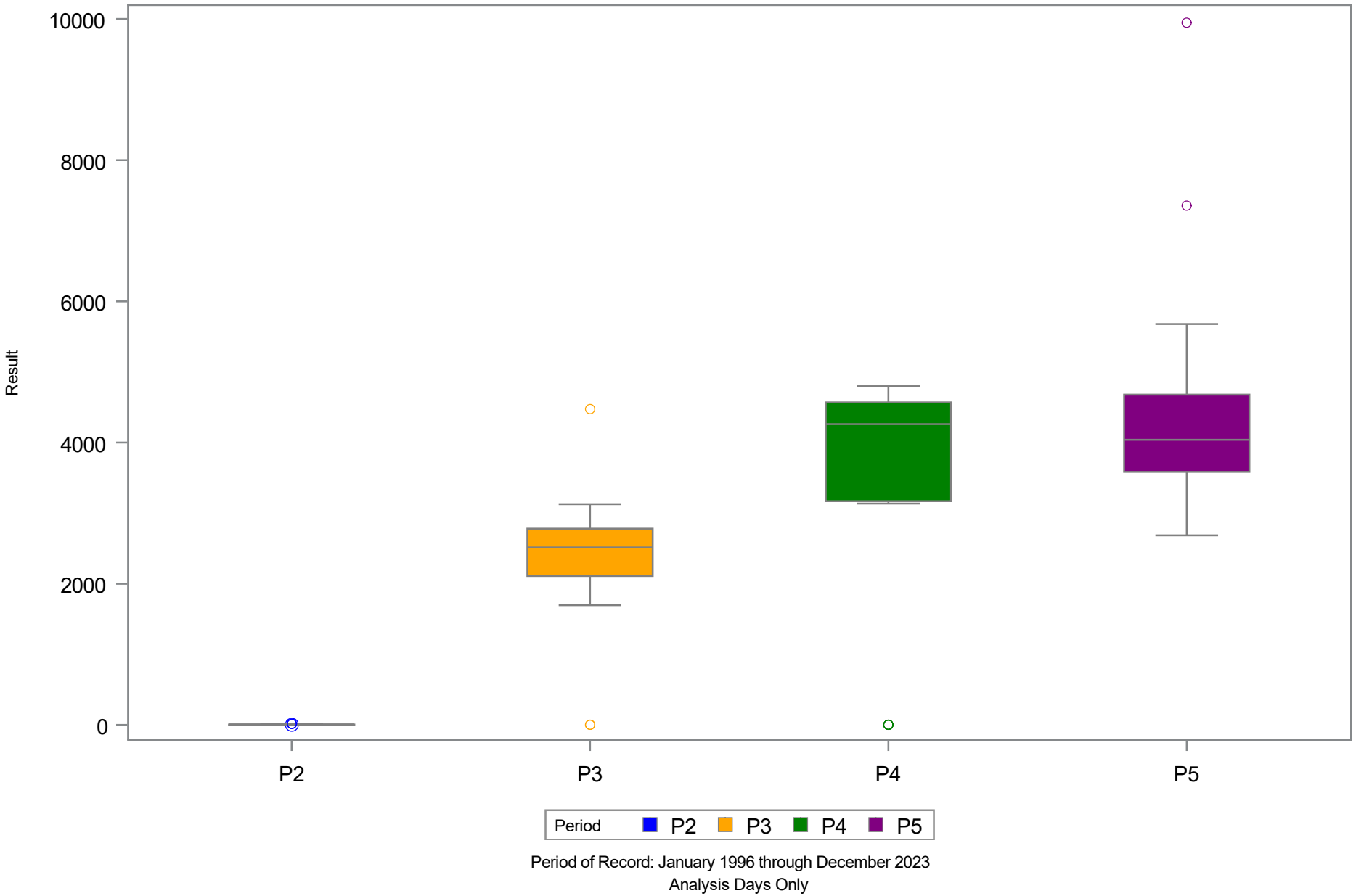
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	38	0.29	1.79	4.51	3.55	5.58	13.60
P3	26	1.96	2110.00	2338.61	2513.50	2780.00	4469.00
P4	22	4.22	3170.00	3422.38	4261.00	4569.00	4798.00
P5	29	2685.00	3585.00	4391.79	4039.00	4679.00	9950.00

Period of Record: January 1996 through December 2023
Analysis Days Only

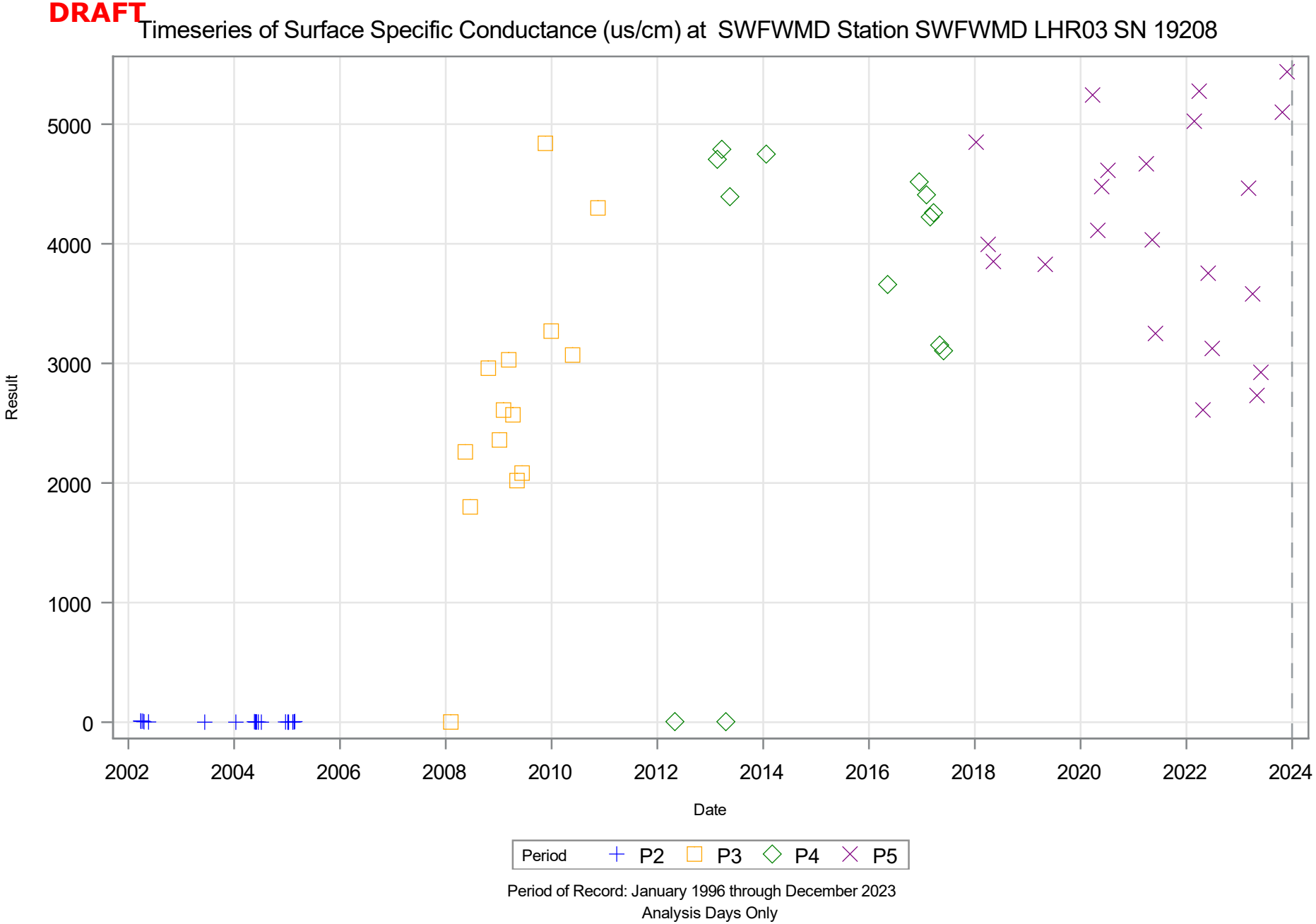
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208



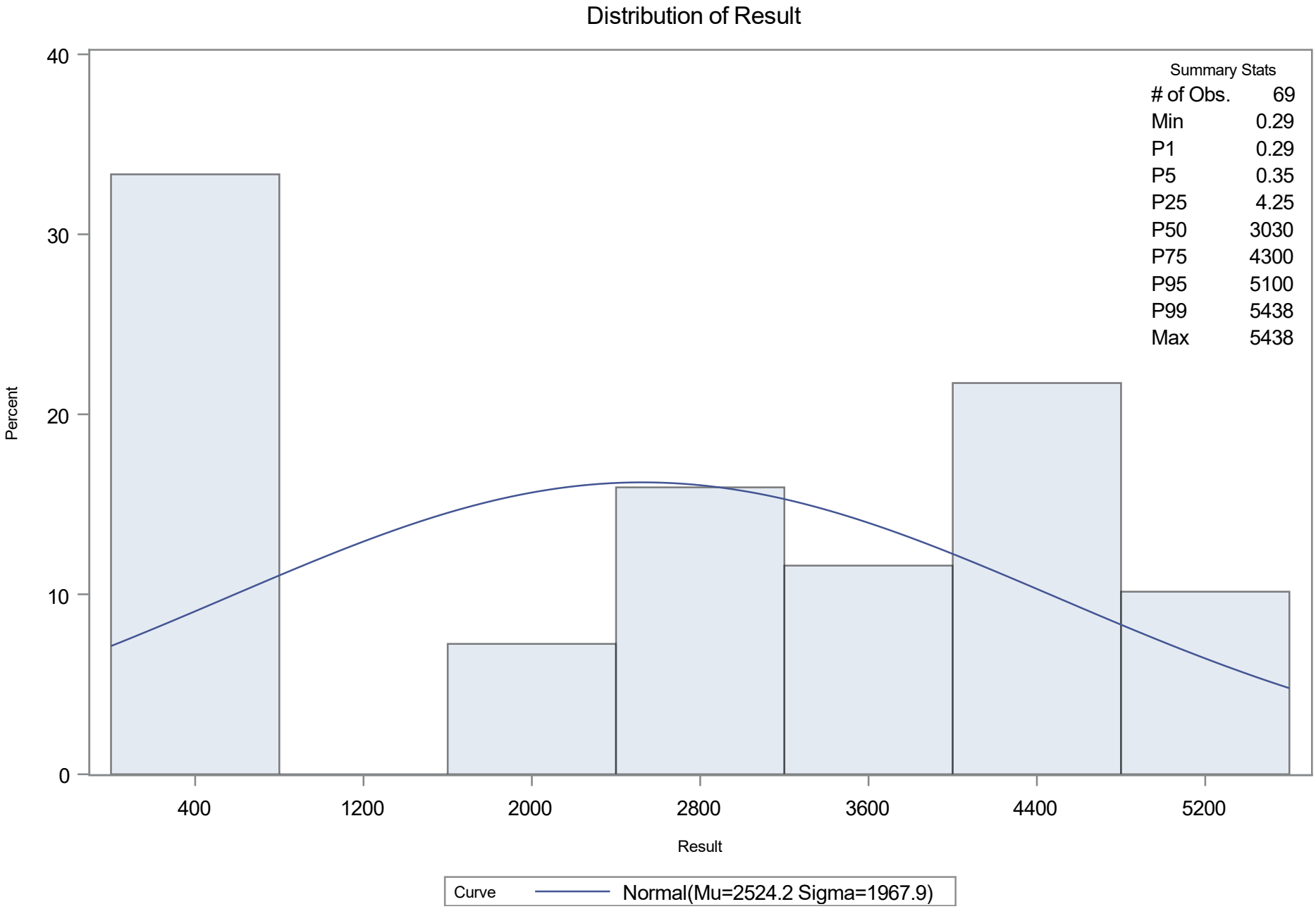
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
5000
4000
3000
2000
1000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2524.243
Std Dev	Sigma	1967.894

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23256653	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.54886683	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.99402282	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.29000	-2053.76242
5.0	0.35000	-712.65419
10.0	1.25000	2.28565
25.0	4.25000	1196.91877
50.0	3030.00000	2524.24290
75.0	4300.00000	3851.56703
90.0	4840.00000	5046.20015
95.0	5100.00000	5761.13999
99.0	5438.00000	7102.24822

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

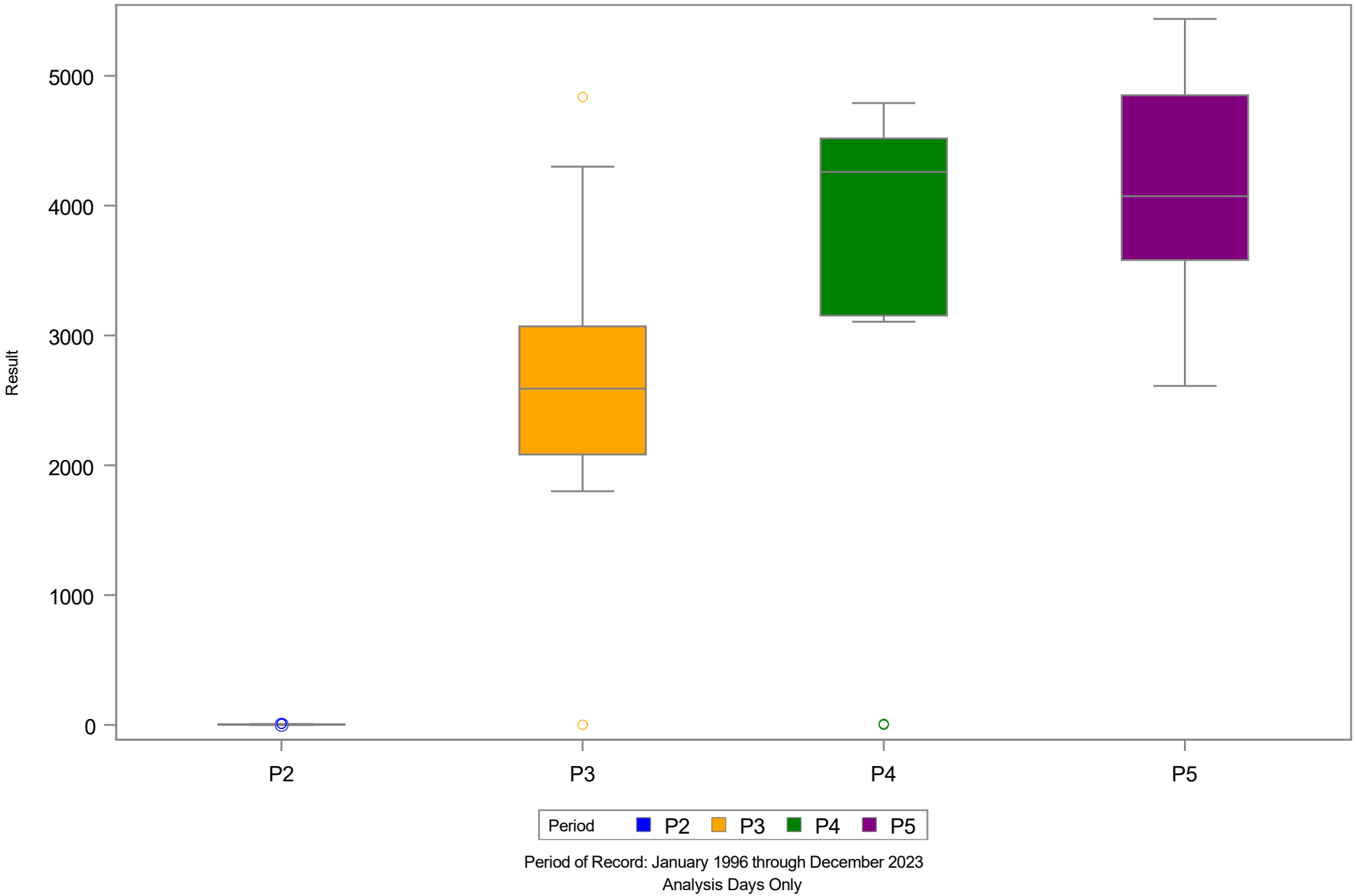
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.29	0.77	3.08	2.31	4.02	10.86
P3	14	1.96	2083.00	2655.35	2590.00	3070.00	4840.00
P4	13	4.25	3153.20	3536.87	4260.10	4517.70	4790.00
P5	22	2611.00	3581.00	4134.41	4072.50	4850.00	5438.00

Period of Record: January 1996 through December 2023
Analysis Days Only

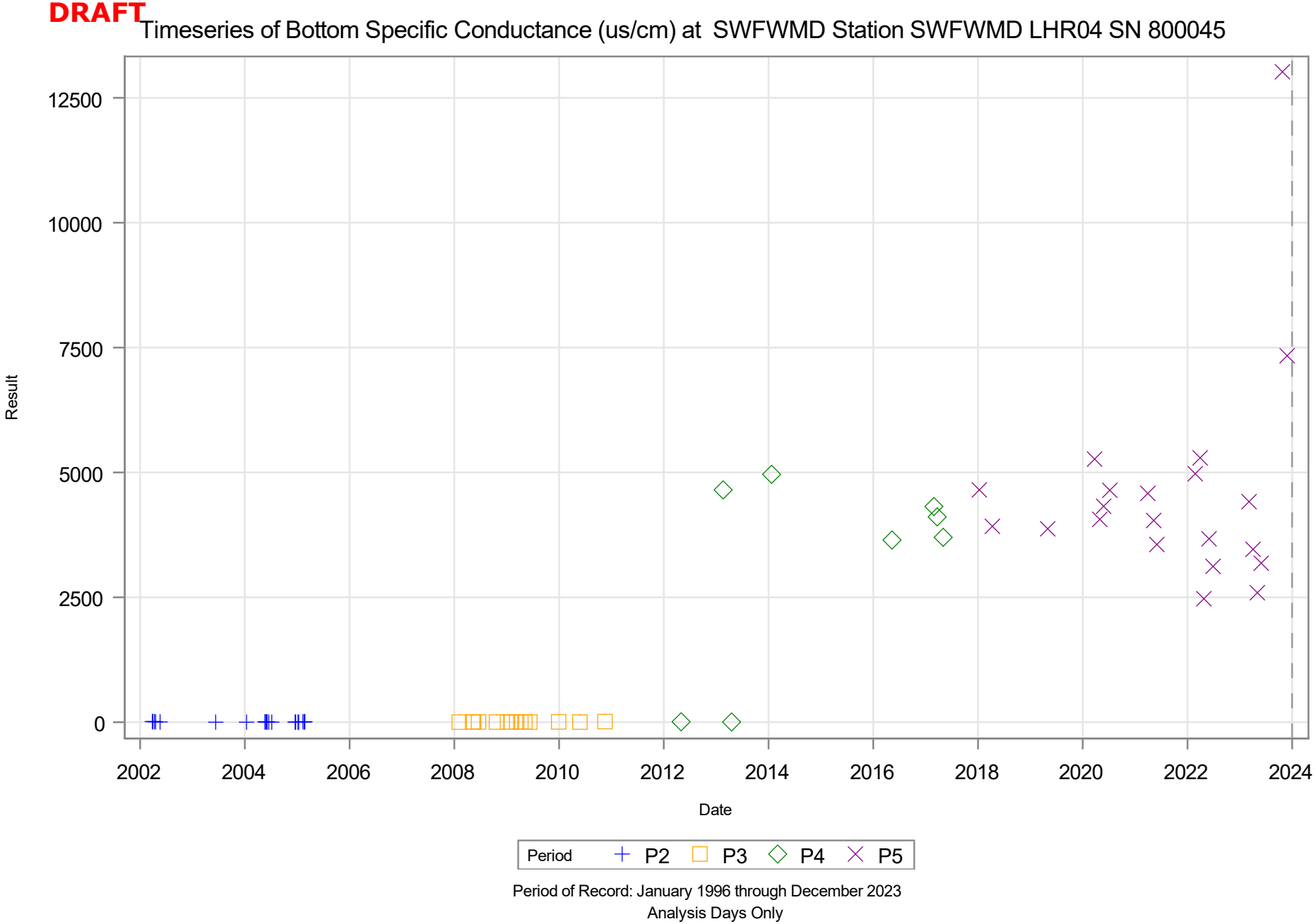
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR03 SN 19208



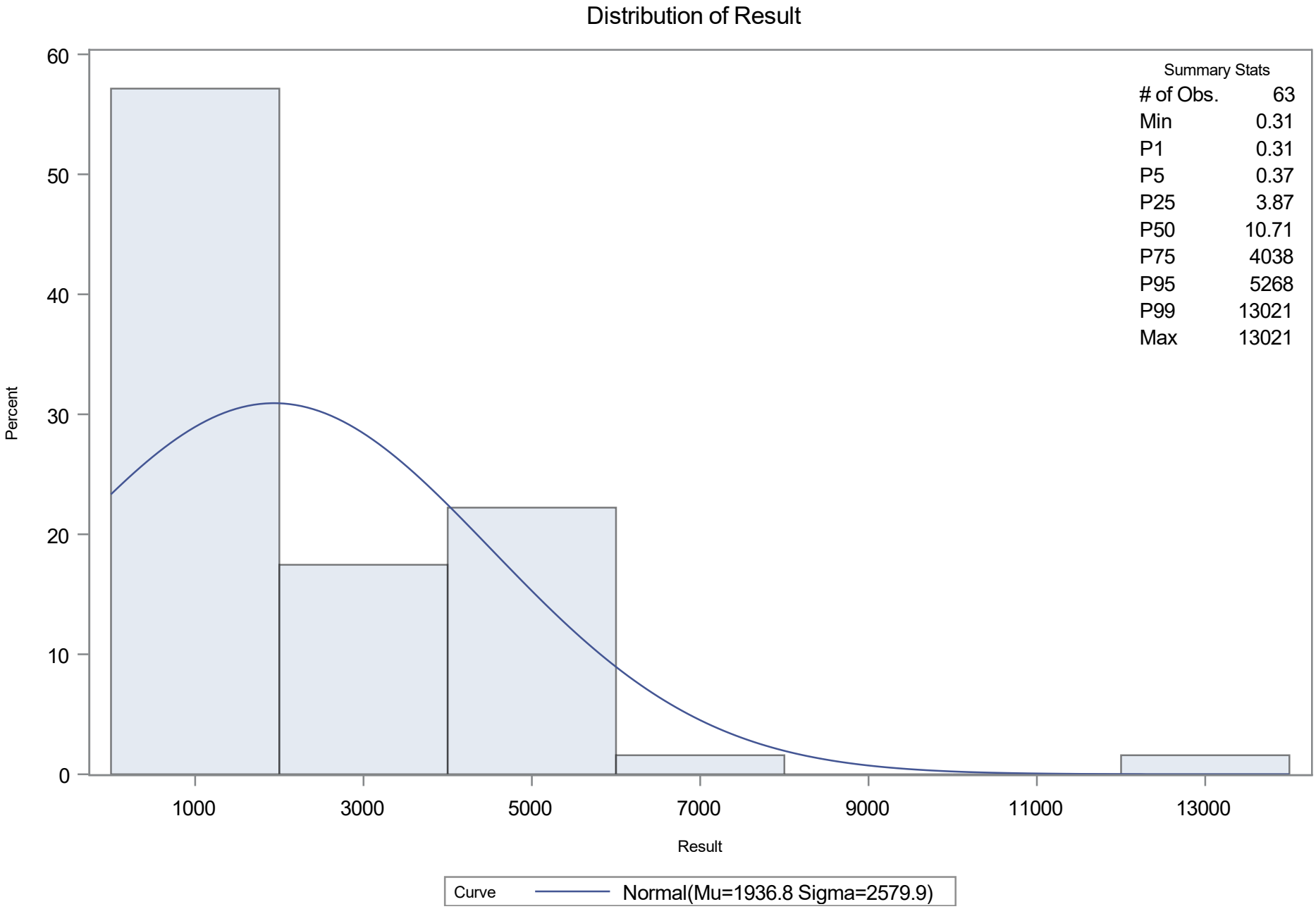
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1936.809
Std Dev	Sigma	2579.854

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34353486	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.14859809	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.43158444	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-4064.829
5.0	0.37000	-2306.674
10.0	1.04000	-1369.407
25.0	3.87000	196.724
50.0	10.71000	1936.809
75.0	4038.00000	3676.894
90.0	4651.00000	5243.024
95.0	5268.00000	6180.291
99.0	13021.00000	7938.446

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

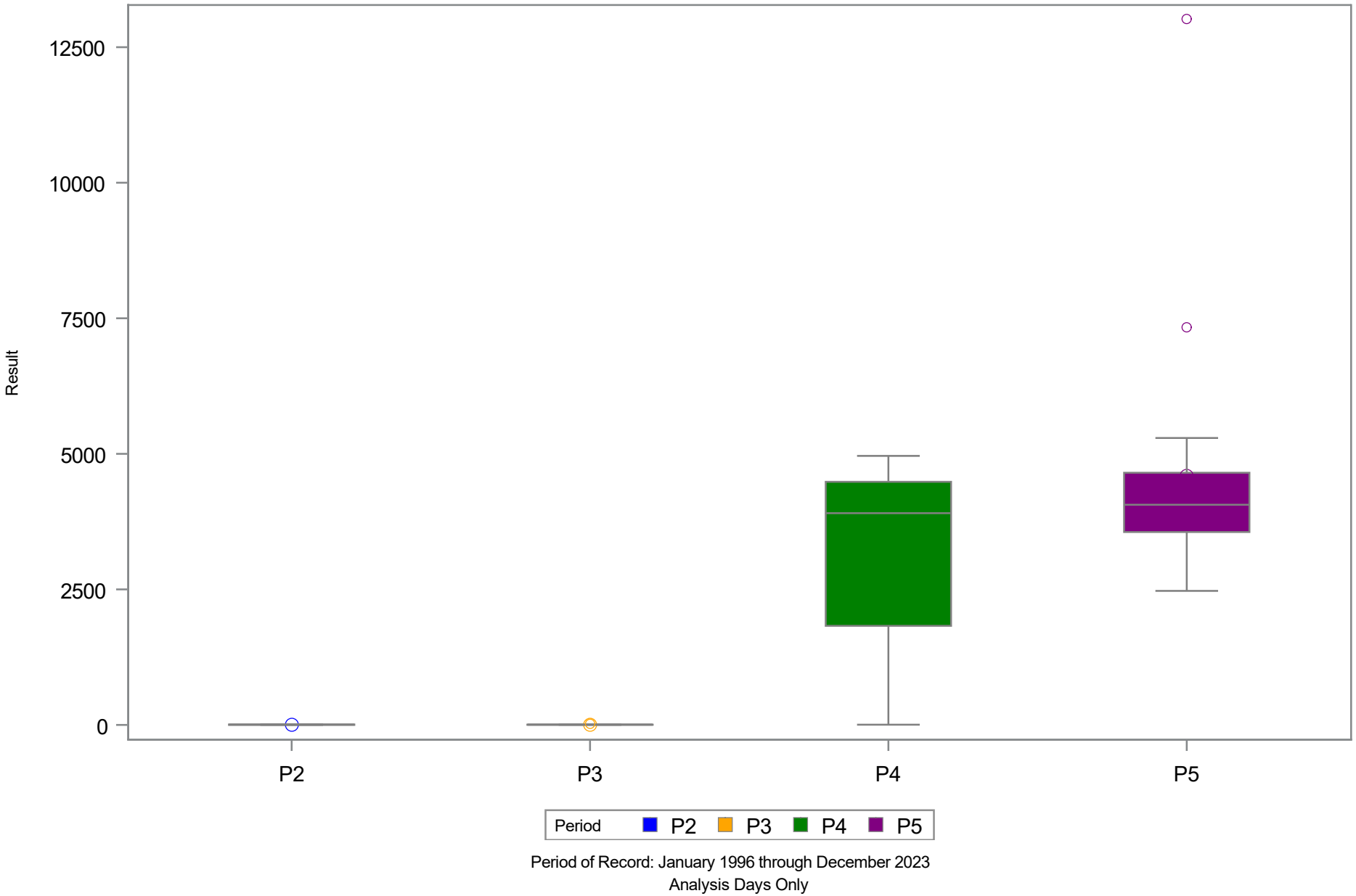
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.31	0.52	5.06	4.42	8.47	12.59
P3	14	1.83	2.48	4.51	4.01	5.39	12.75
P4	8	4.35	1827.63	3175.08	3905.50	4484.00	4962.00
P5	21	2472.00	3558.00	4593.05	4061.00	4651.00	13021.00

Period of Record: January 1996 through December 2023
Analysis Days Only

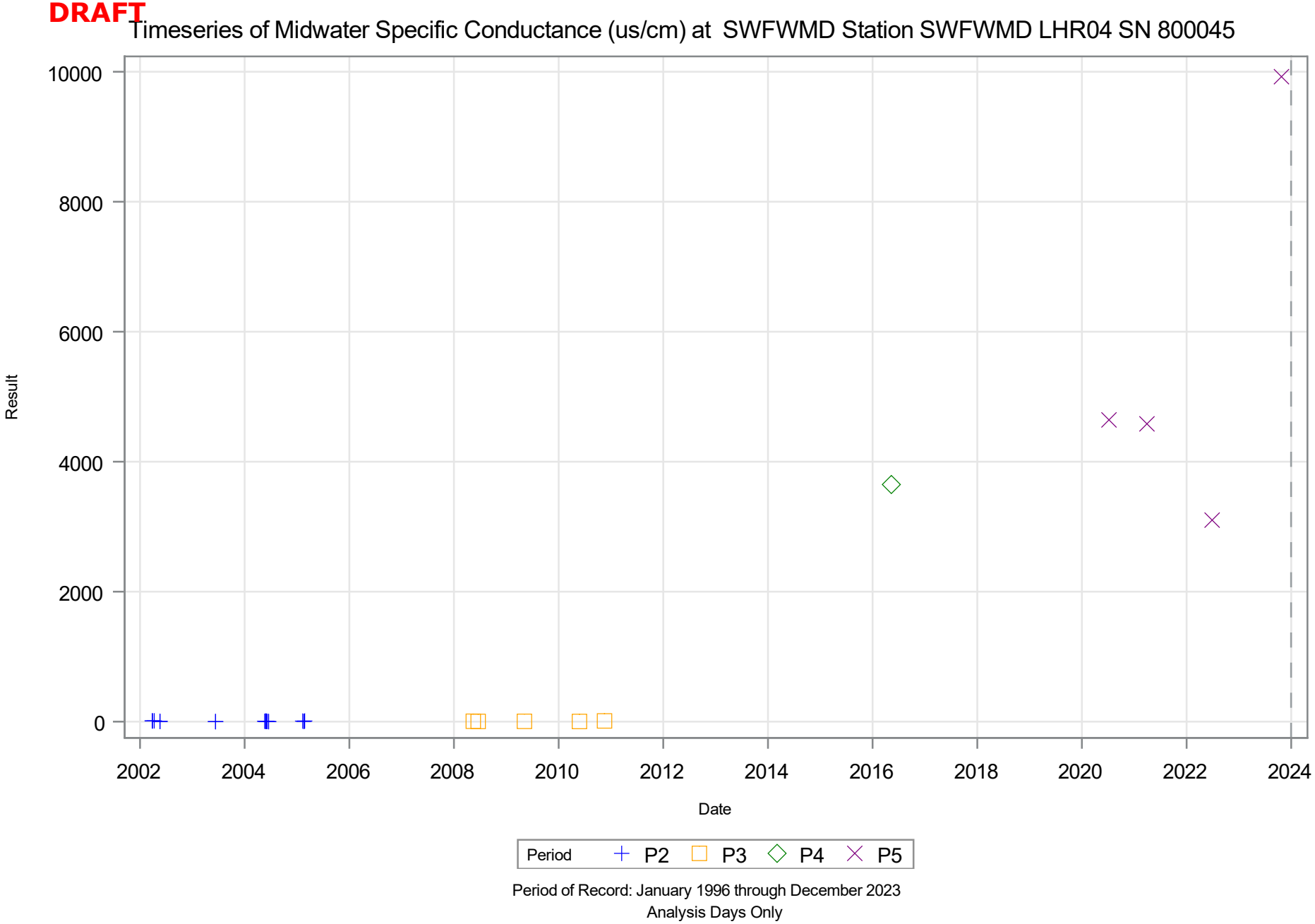
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045



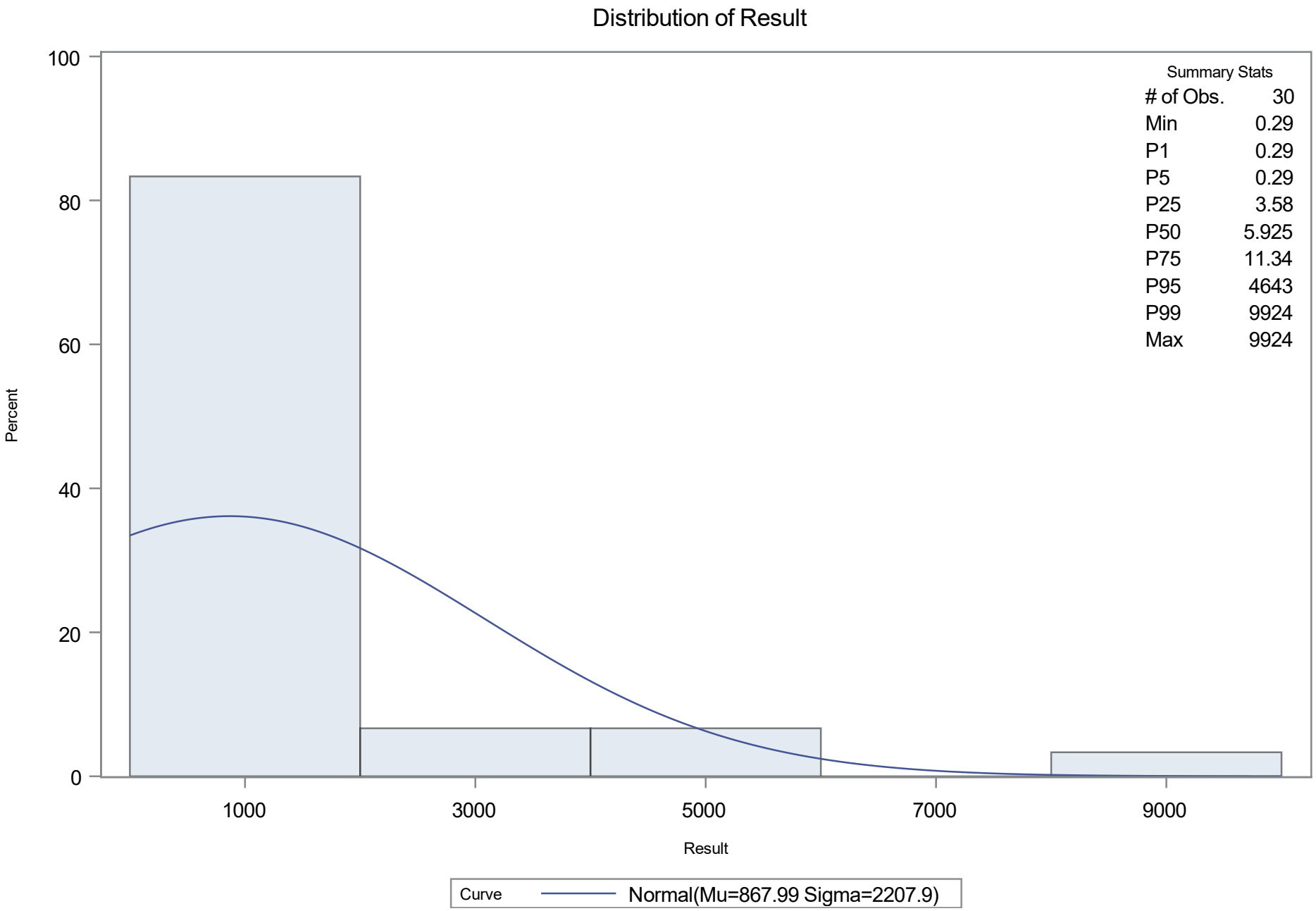
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
10000
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	867.9923
Std Dev	Sigma	2207.887

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.48415476	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.55996426	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.35934398	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.29000	-4268.320
5.0	0.29000	-2763.658
10.0	1.03000	-1961.528
25.0	3.58000	-621.205
50.0	5.92500	867.992
75.0	11.34000	2357.189
90.0	4115.50000	3697.513
95.0	4643.00000	4499.643
99.0	9924.00000	6004.305

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

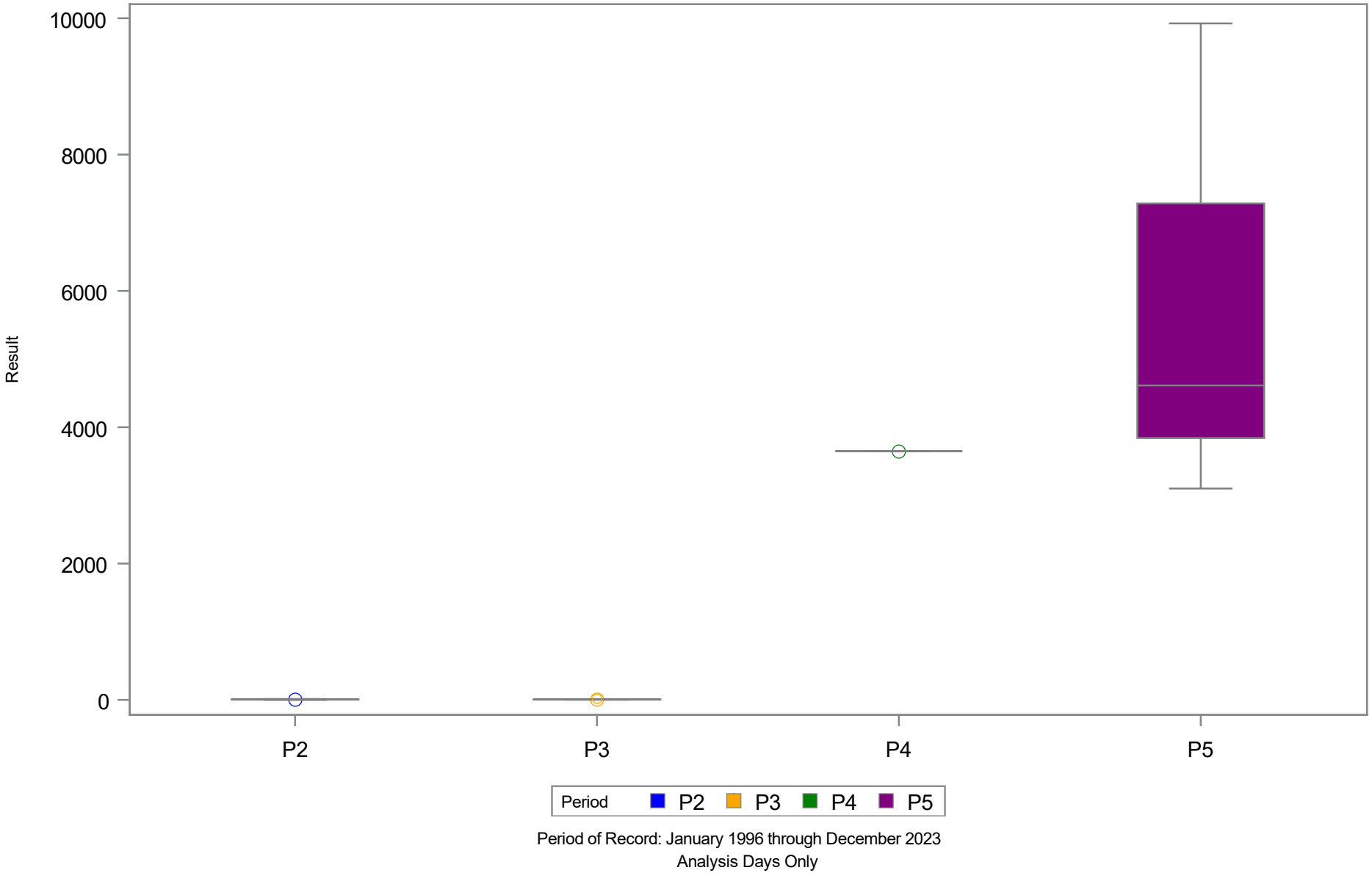
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.29	3.32	5.58	5.74	7.76	12.35
P3	5	3.07	3.58	5.82	5.09	6.00	11.34
P4	1	3649.00	3649.00	3649.00	3649.00	3649.00	3649.00
P5	4	3101.00	3841.50	5562.50	4612.50	7283.50	9924.00

Period of Record: January 1996 through December 2023
Analysis Days Only

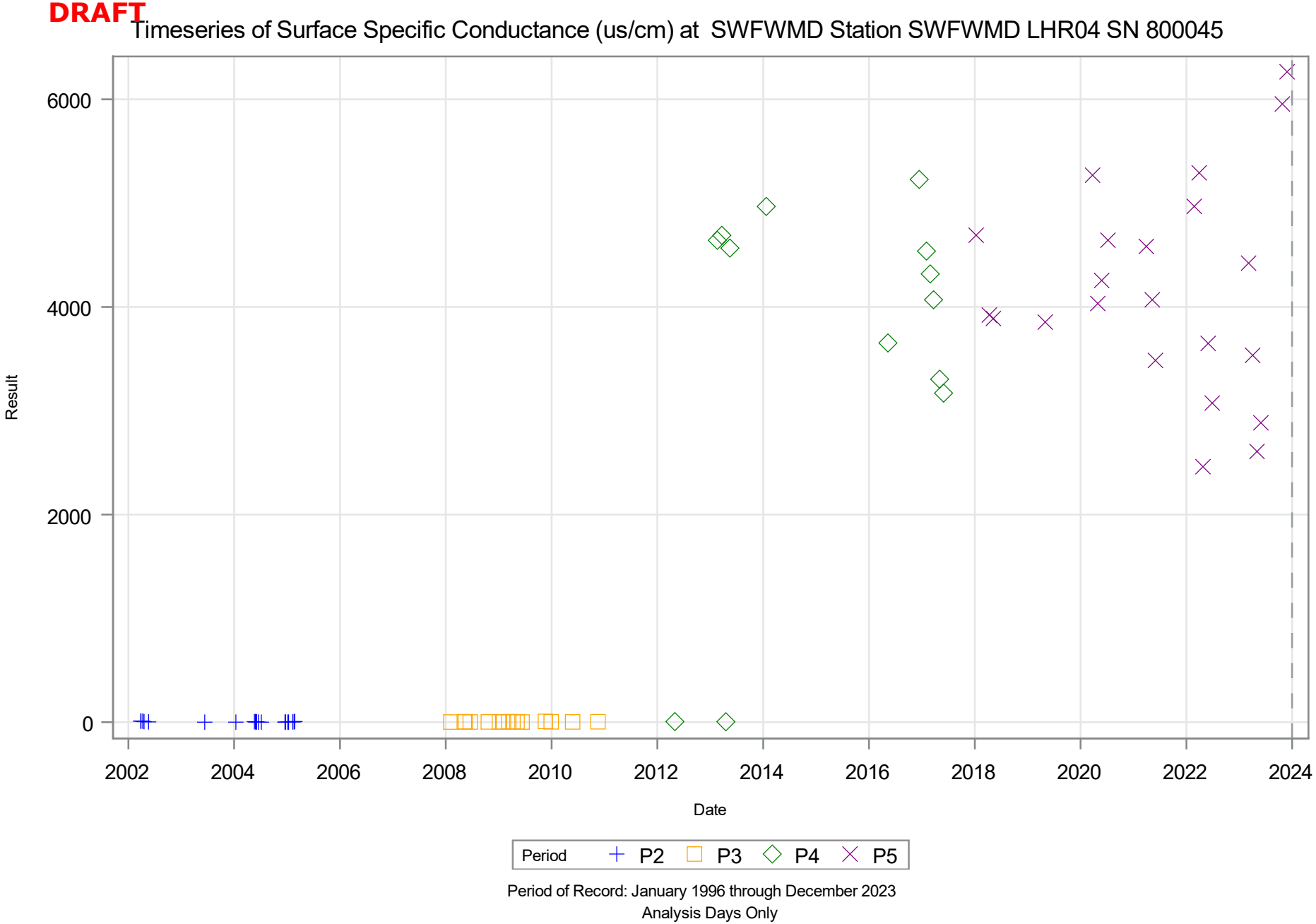
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045



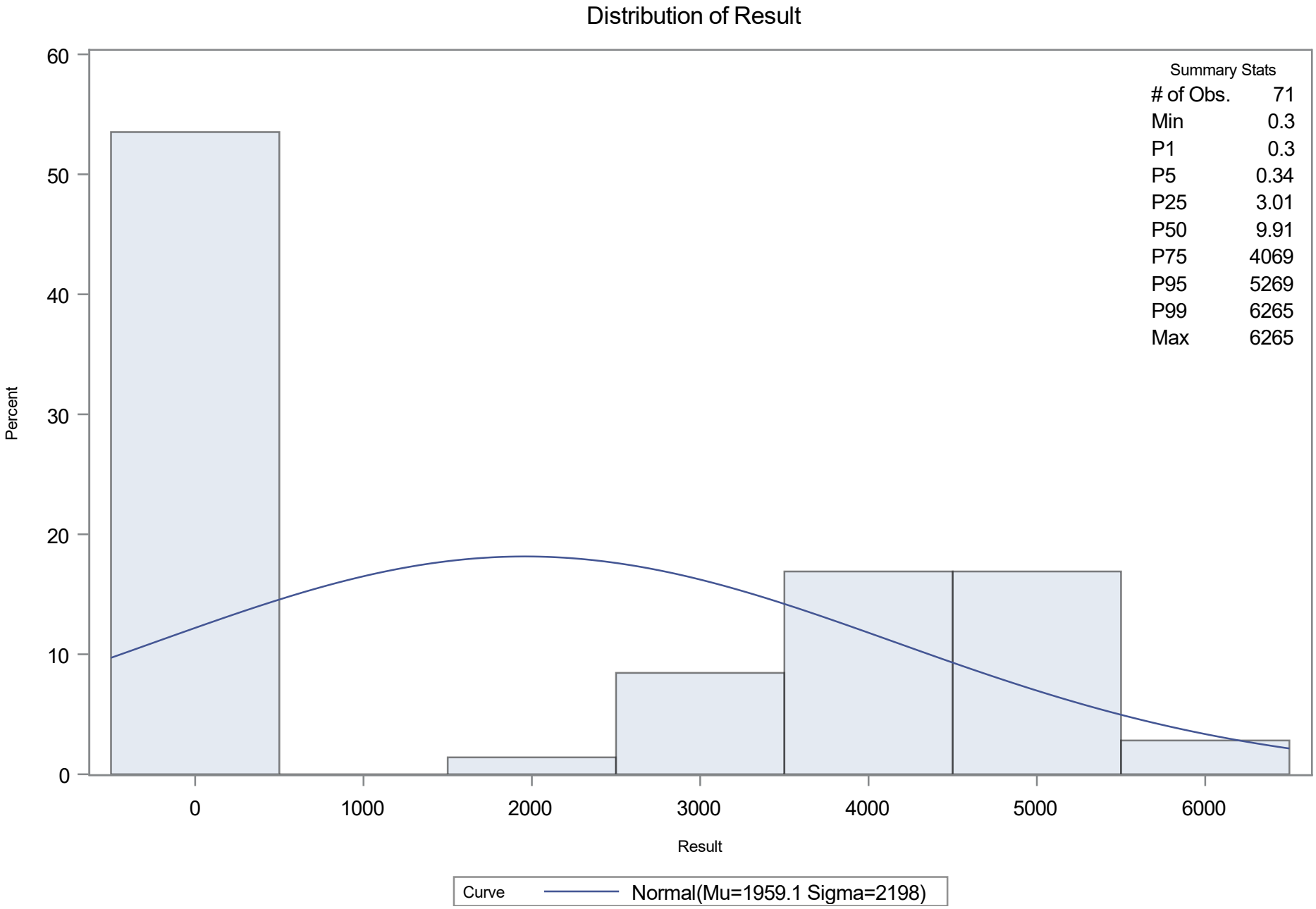
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1959.086
Std Dev	Sigma	2197.968

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34742051	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.35948410	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.85453832	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-3154.151
5.0	0.34000	-1656.249
10.0	1.83000	-857.723
25.0	3.01000	476.580
50.0	9.91000	1959.086
75.0	4069.00000	3441.593
90.0	4691.00000	4775.895
95.0	5269.00000	5574.421
99.0	6265.00000	7072.324

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

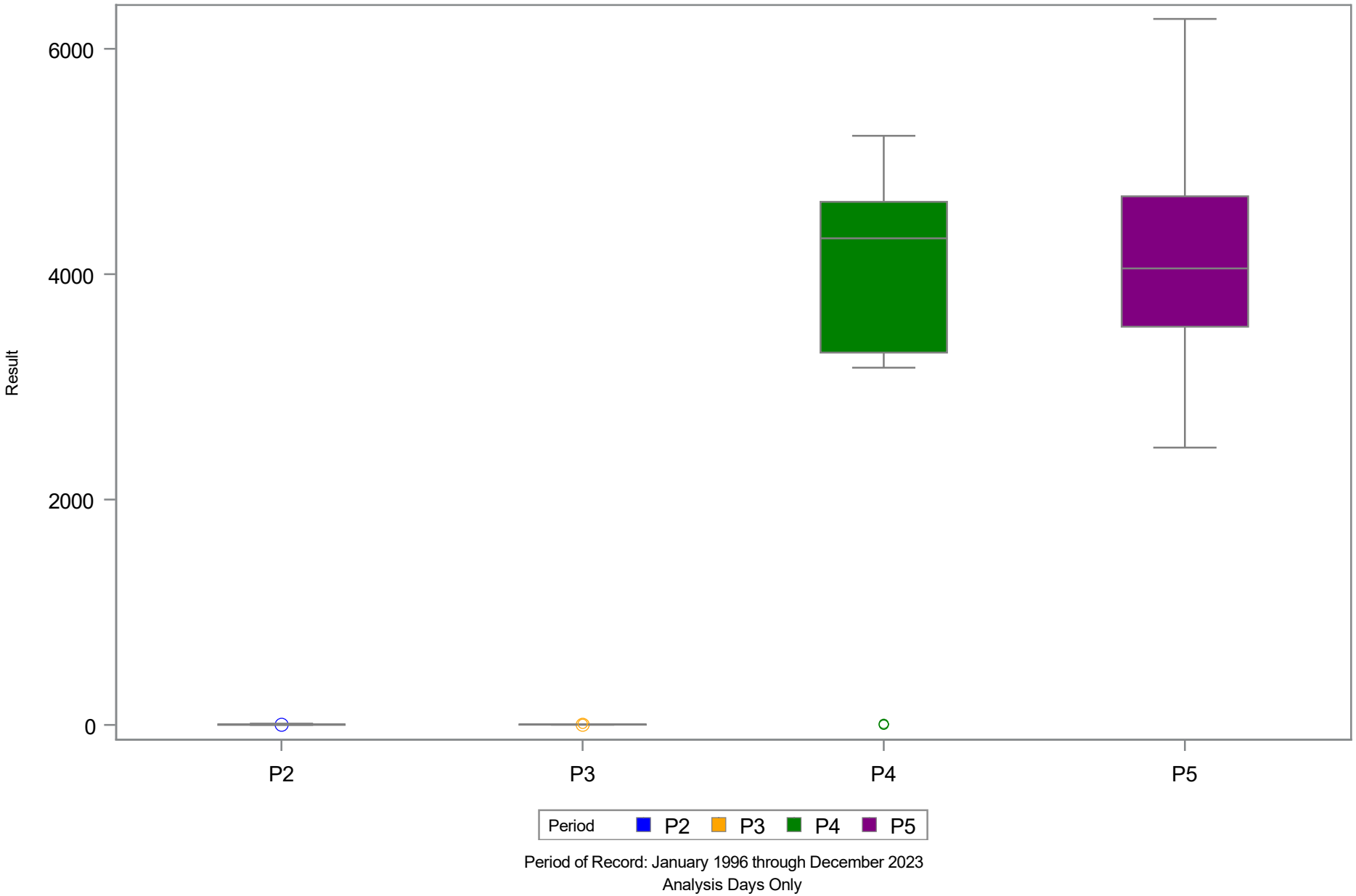
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.30	0.60	3.83	3.09	5.25	11.54
P3	15	1.83	2.41	3.44	3.01	4.30	7.65
P4	13	4.23	3304.00	3627.47	4318.00	4642.00	5228.00
P5	22	2461.00	3534.00	4173.00	4051.00	4691.00	6265.00

Period of Record: January 1996 through December 2023
Analysis Days Only

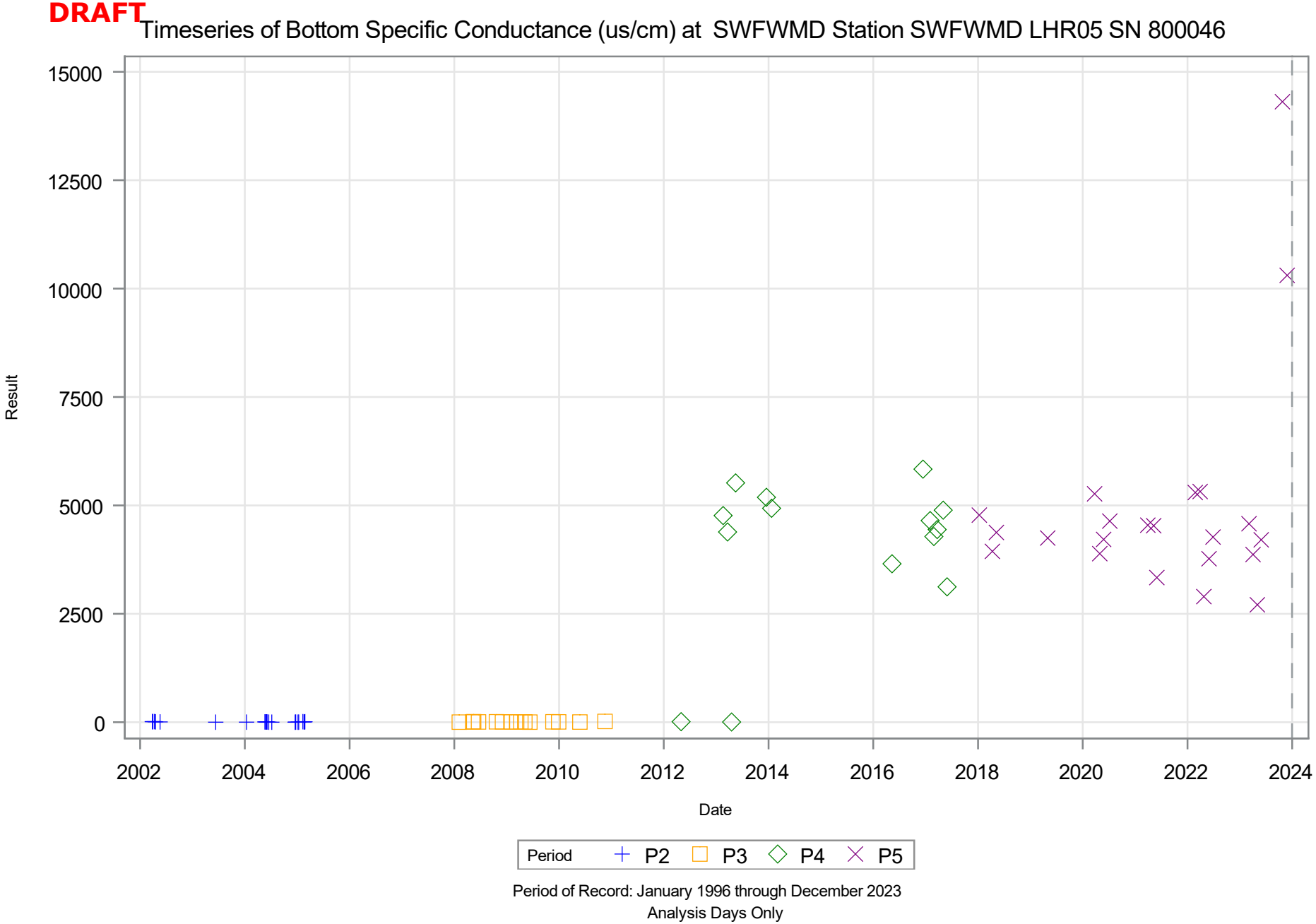
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR04 SN 800045



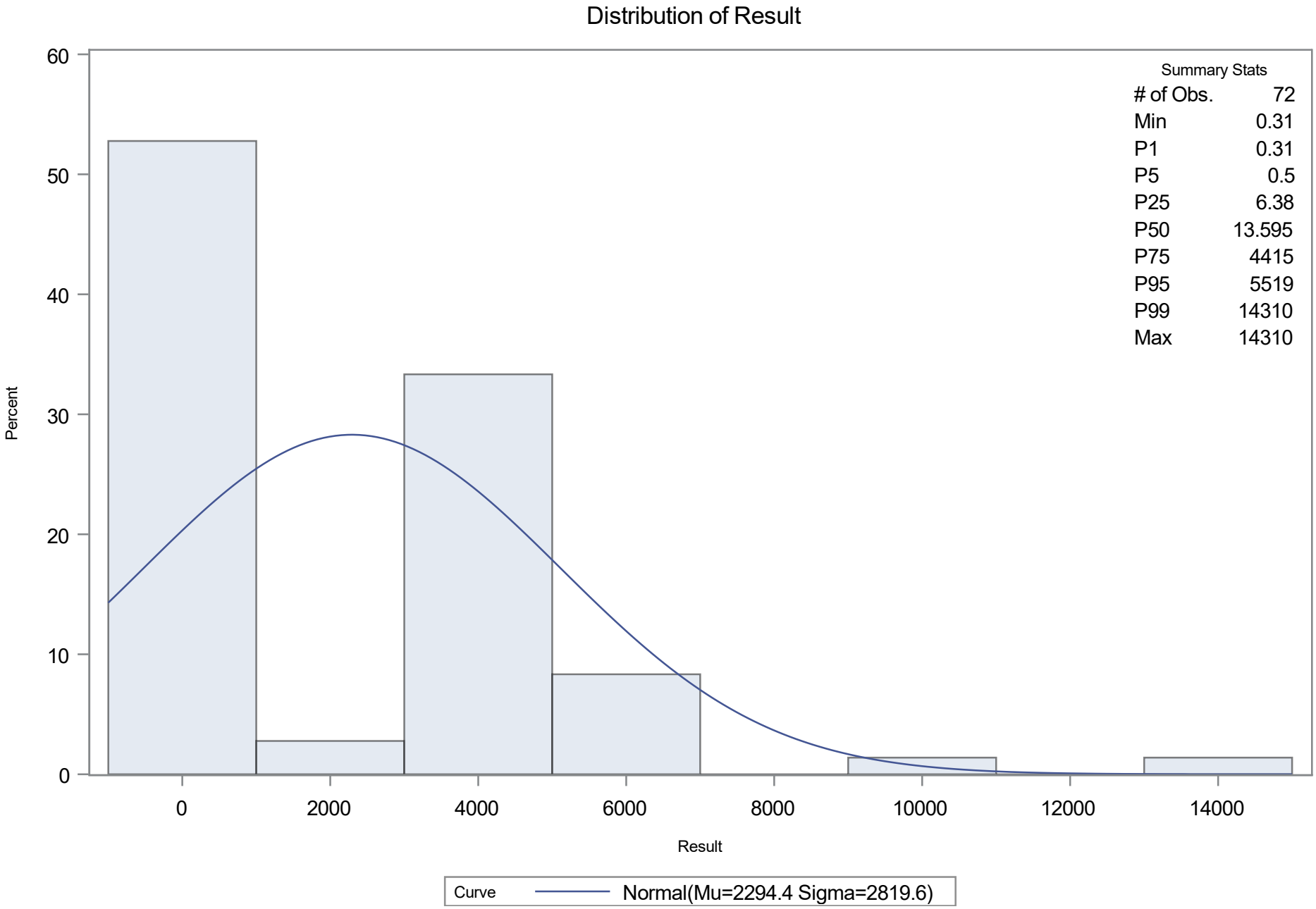
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046
15000
12500
10000
7500
5000
2500
0
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2294.443
Std Dev	Sigma	2819.591

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31807772	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.10668701	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.58082266	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-4264.905
5.0	0.50000	-2343.370
10.0	1.75000	-1319.007
25.0	6.38000	392.658
50.0	13.59500	2294.443
75.0	4415.00000	4196.228
90.0	5187.00000	5907.894
95.0	5519.00000	6932.257
99.0	14310.00000	8853.792

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

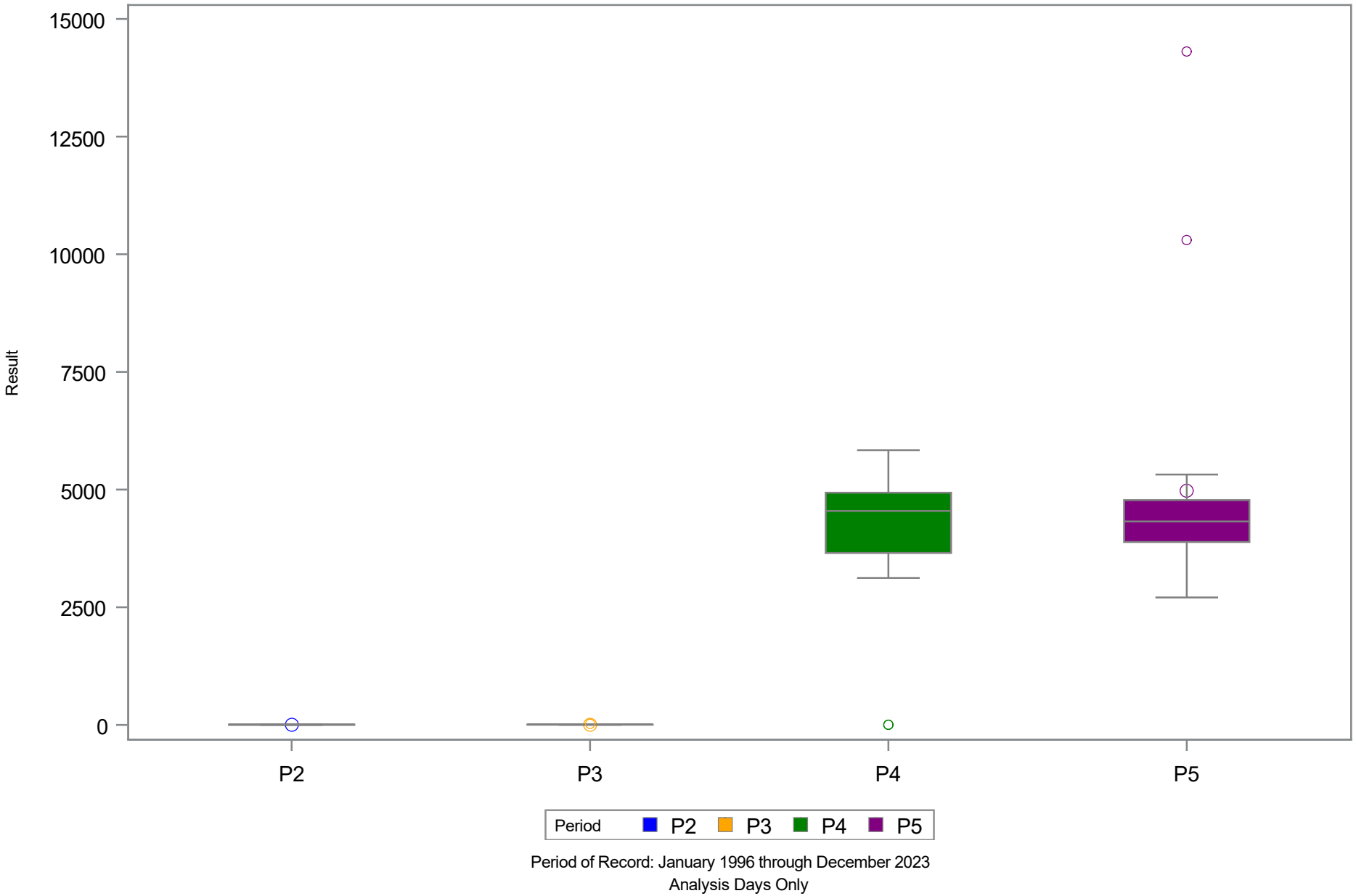
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.31	1.30	5.83	6.41	9.22	13.64
P3	15	1.75	5.25	7.11	6.57	8.99	17.73
P4	14	4.55	3654.00	3977.48	4546.50	4933.00	5836.00
P5	22	2708.00	3887.00	4967.55	4323.00	4776.00	14310.00

Period of Record: January 1996 through December 2023
Analysis Days Only

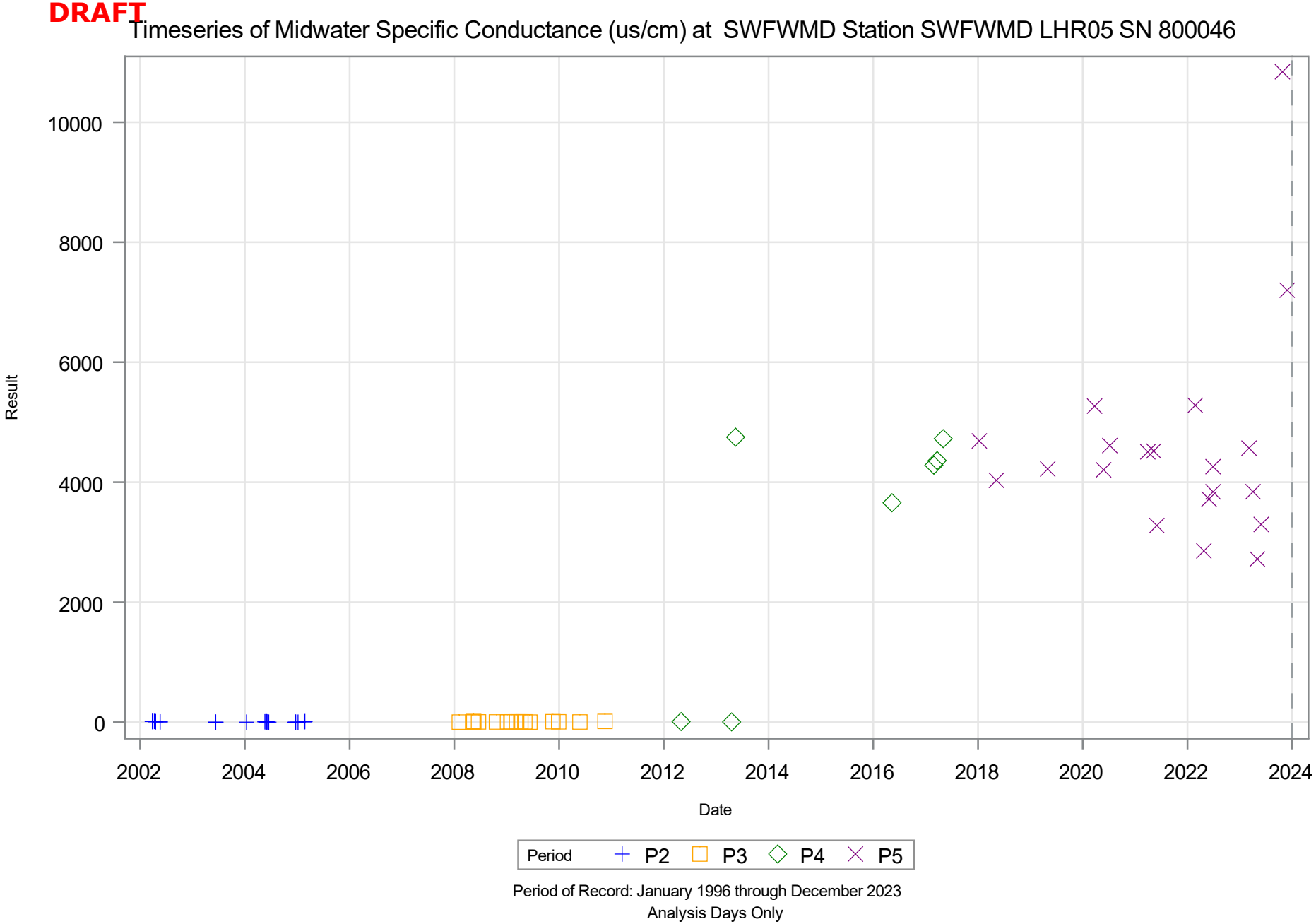
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046



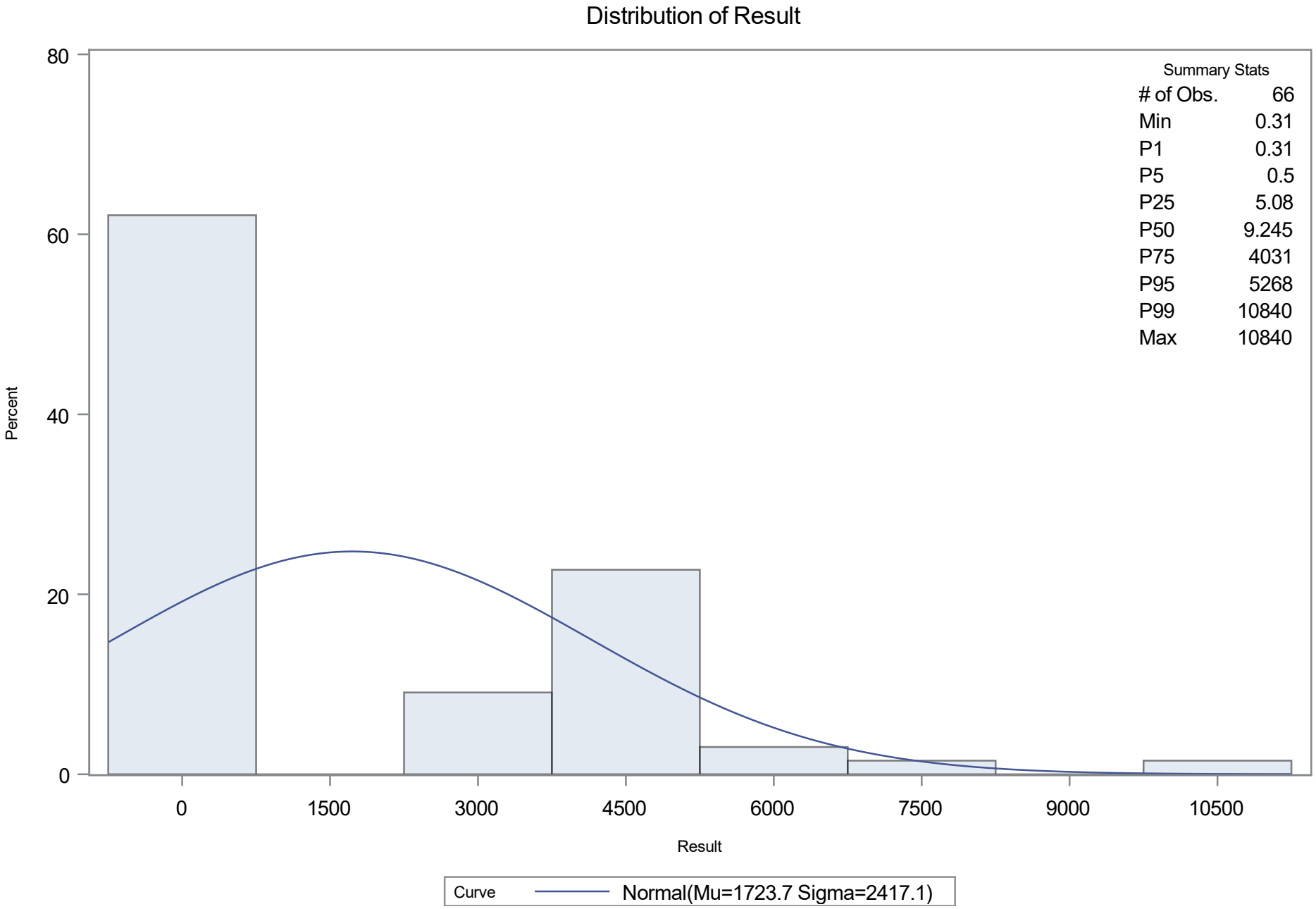
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
10000
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1723.678
Std Dev	Sigma	2417.06

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.38164306	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.59976052	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.48513960	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-3899.2449
5.0	0.50000	-2252.0322
10.0	1.70000	-1373.9093
25.0	5.08000	93.3957
50.0	9.24500	1723.6780
75.0	4031.00000	3353.9604
90.0	4688.00000	4821.2653
95.0	5268.00000	5699.3883
99.0	10840.00000	7346.6009

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

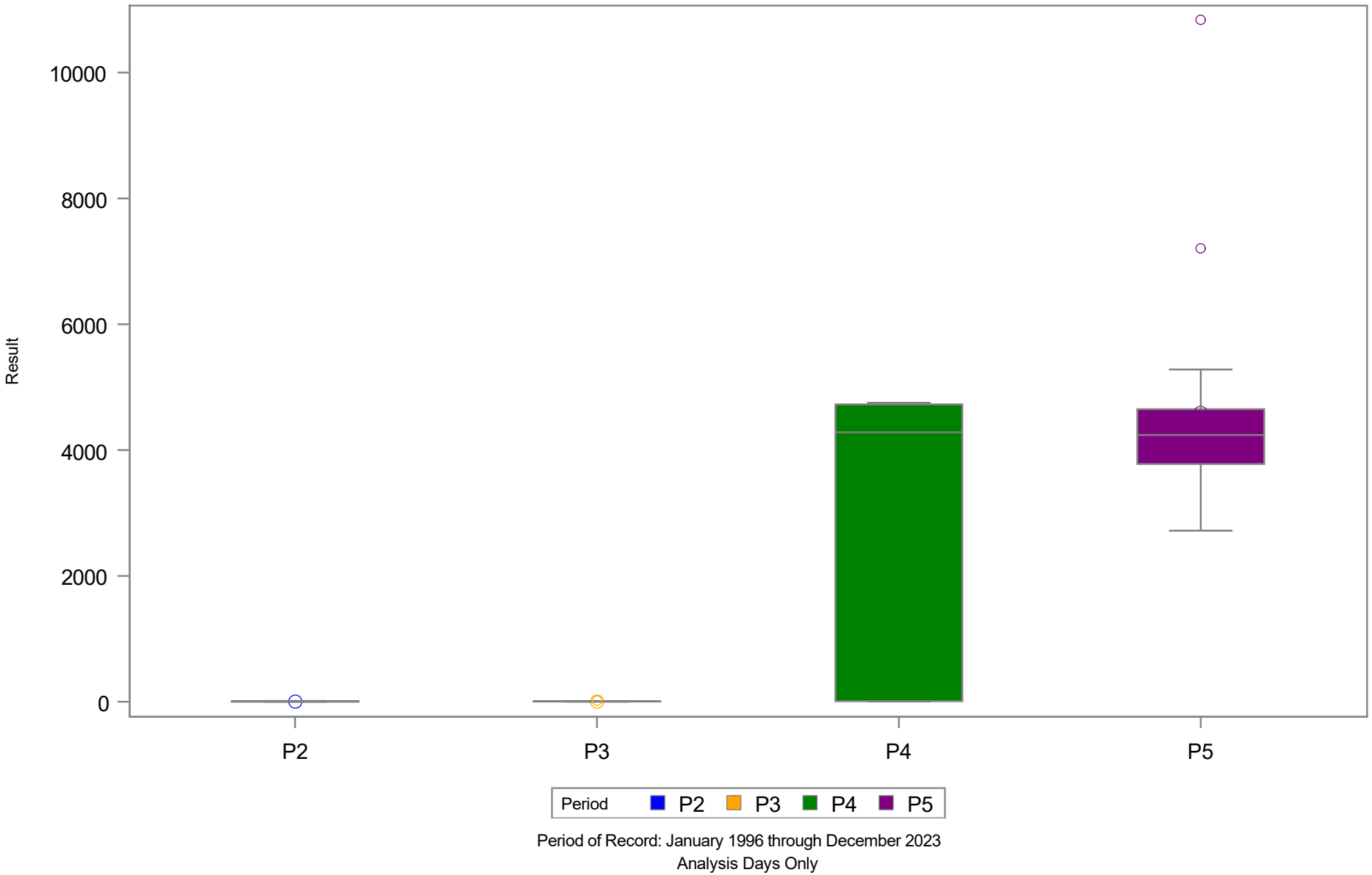
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	23	0.31	1.28	5.66	6.23	7.79	12.85
P3	16	1.70	4.05	5.93	5.65	6.98	13.15
P4	7	4.52	10.18	3113.10	4283.00	4726.00	4751.00
P5	20	2719.00	3779.50	4587.30	4239.50	4649.50	10840.00

Period of Record: January 1996 through December 2023
Analysis Days Only

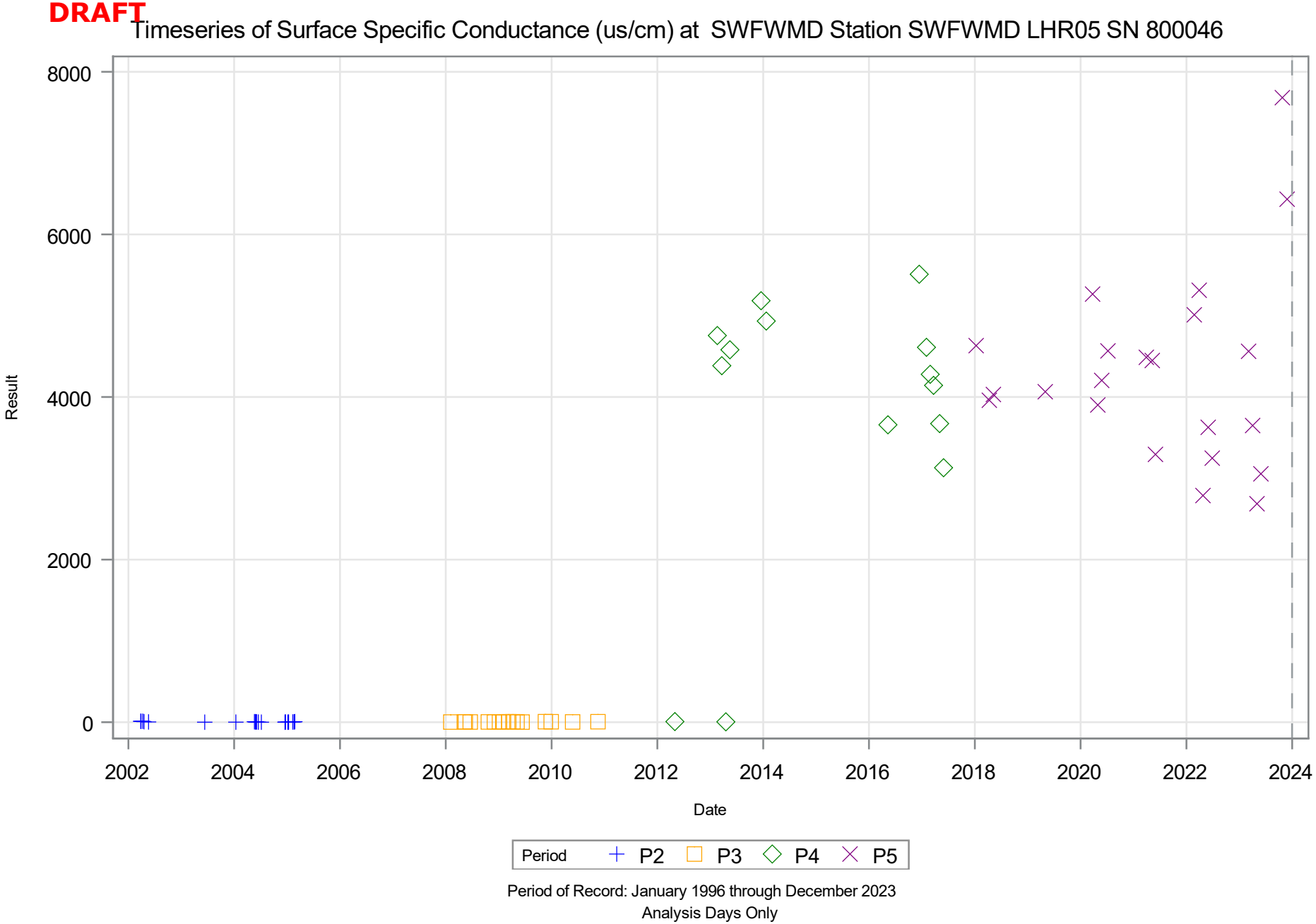
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046



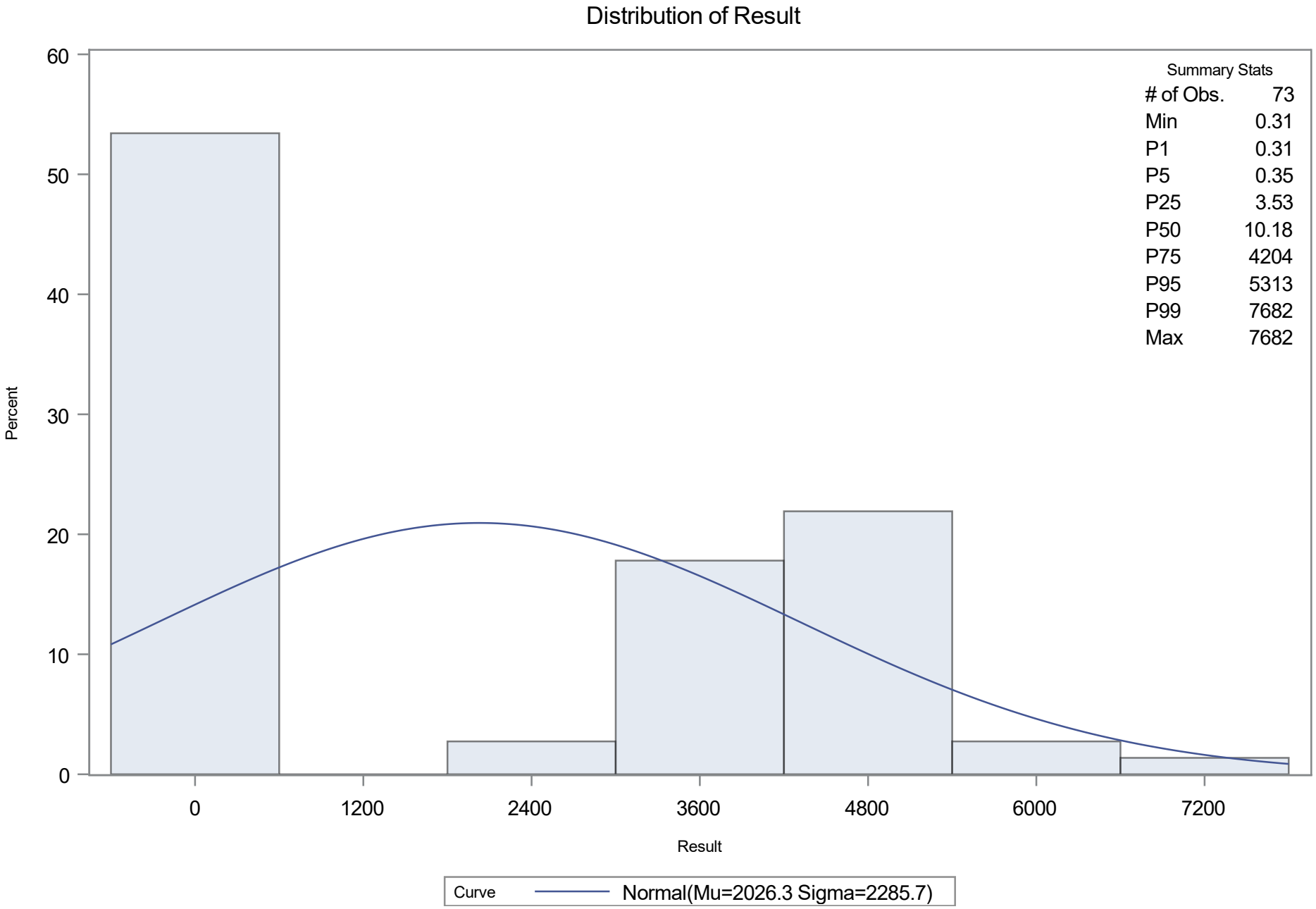
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2026.28
Std Dev	Sigma	2285.731

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34516237	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.36493335	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.82666370	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-3291.126
5.0	0.35000	-1733.413
10.0	1.61000	-903.002
25.0	3.53000	484.578
50.0	10.18000	2026.280
75.0	4204.00000	3567.983
90.0	4934.00000	4955.563
95.0	5313.00000	5785.974
99.0	7682.00000	7343.687

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

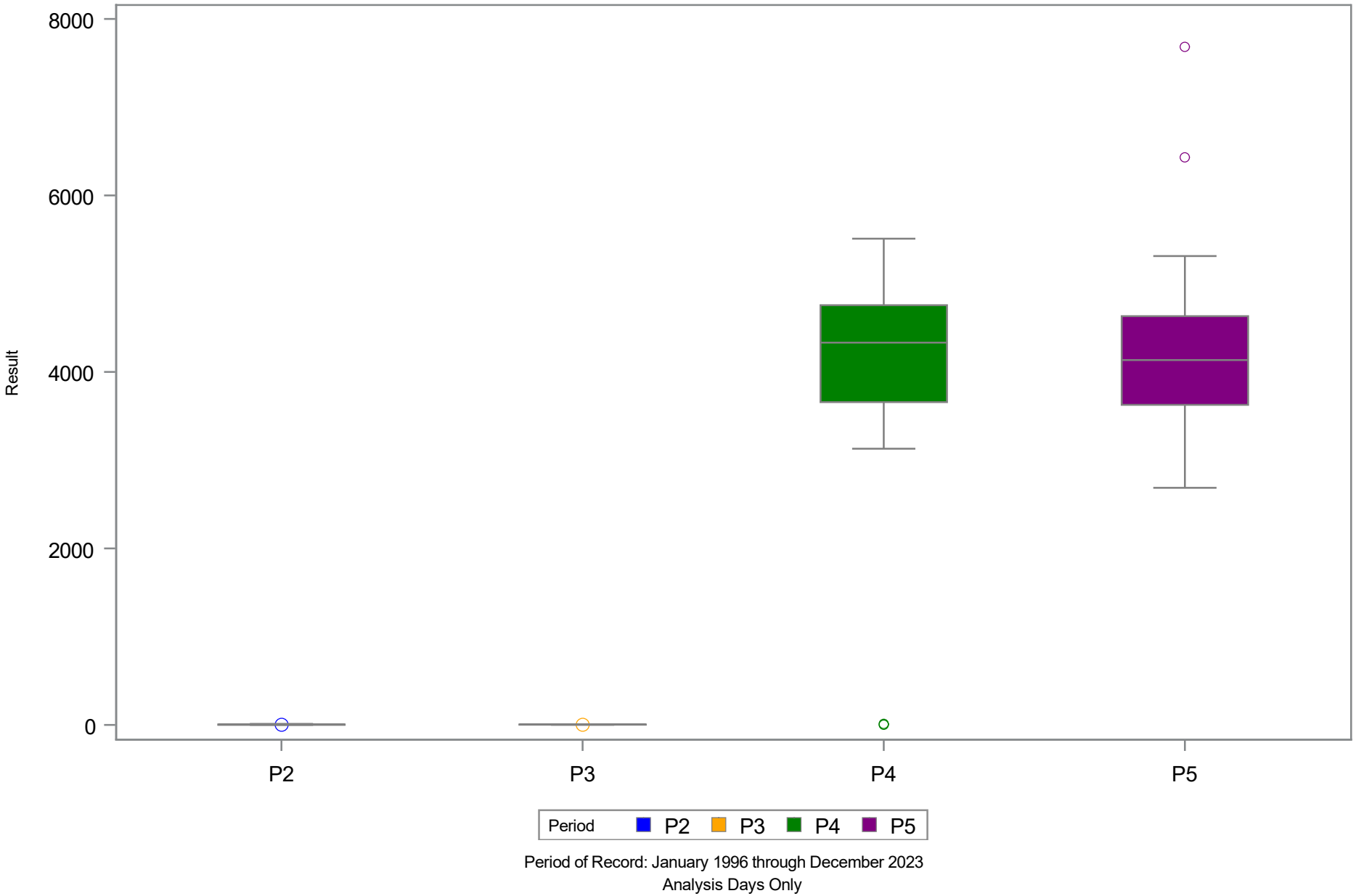
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.31	1.17	4.15	3.36	5.81	11.92
P3	16	1.61	3.09	3.89	3.60	5.06	6.55
P4	14	4.44	3658.00	3775.42	4332.00	4756.00	5510.00
P5	22	2687.00	3627.00	4314.23	4134.50	4632.00	7682.00

Period of Record: January 1996 through December 2023
Analysis Days Only

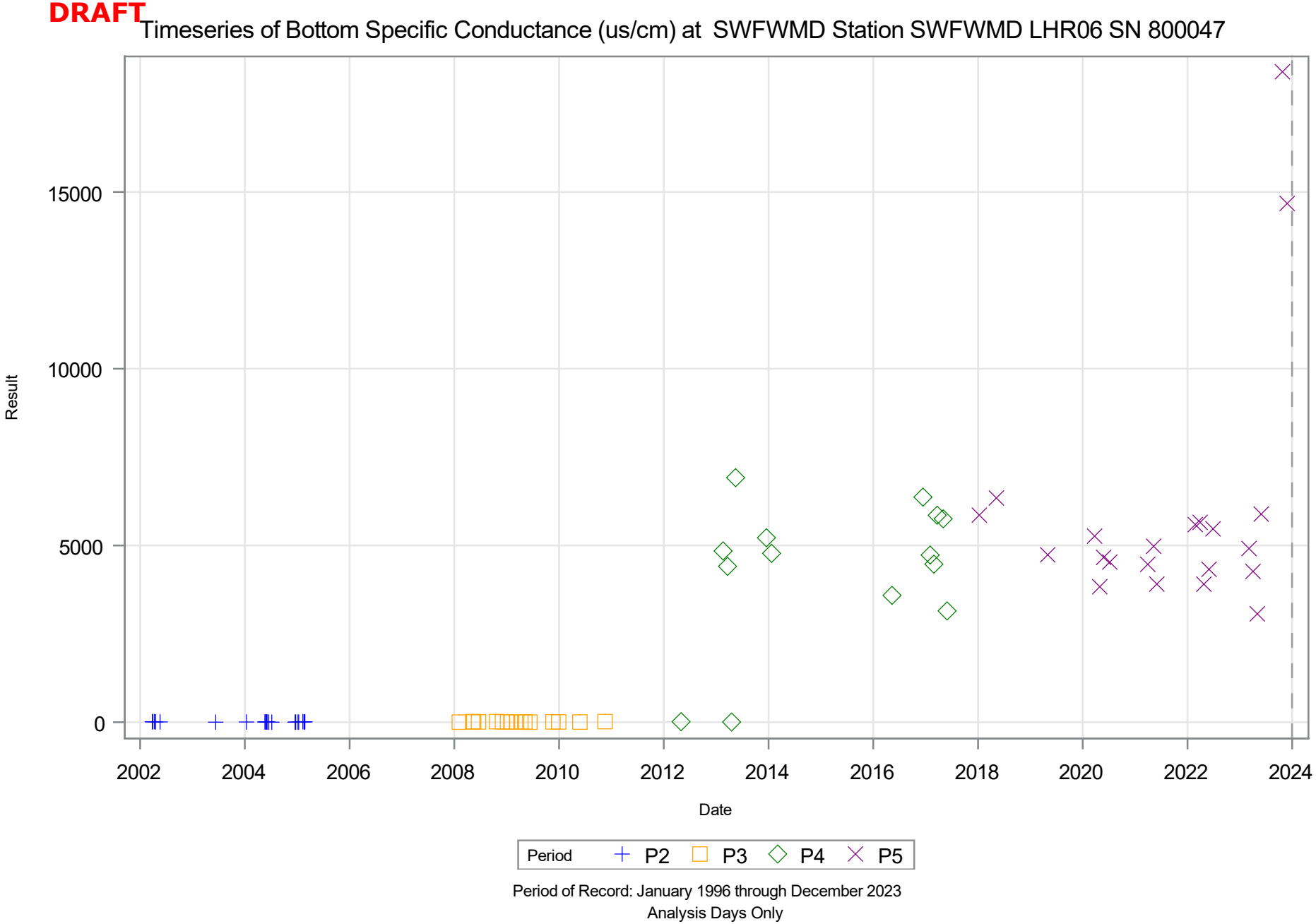
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR05 SN 800046



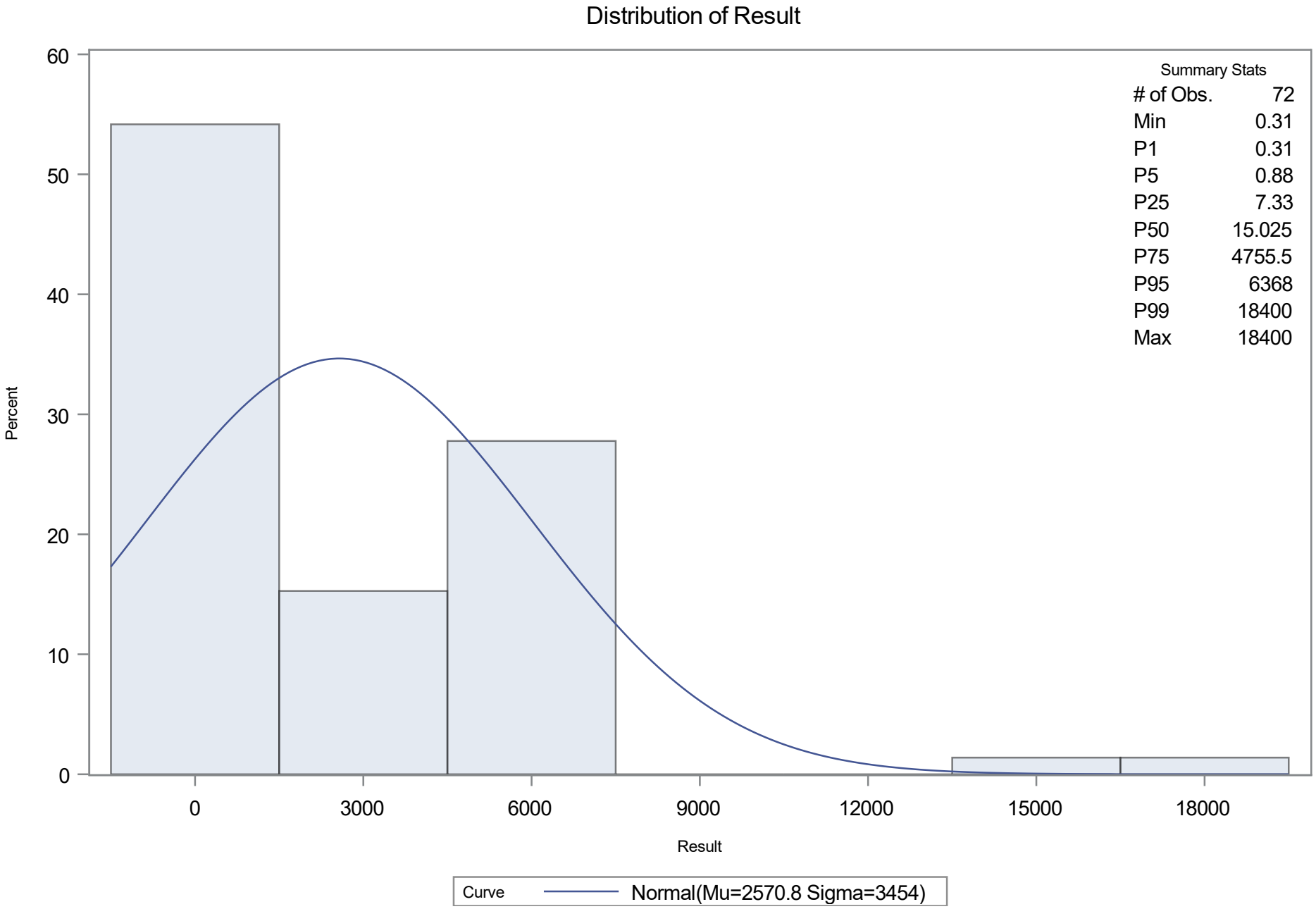
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2570.788
Std Dev	Sigma	3453.952

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31181407	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.08959981	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.56342943	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-5464.305
5.0	0.88000	-3110.457
10.0	2.05000	-1855.629
25.0	7.33000	241.133
50.0	15.02500	2570.788
75.0	4755.50000	4900.444
90.0	5854.00000	6997.206
95.0	6368.00000	8252.034
99.0	18400.00000	10605.882

Period of Record: January 1996 through December 2023
Analysis Days Only

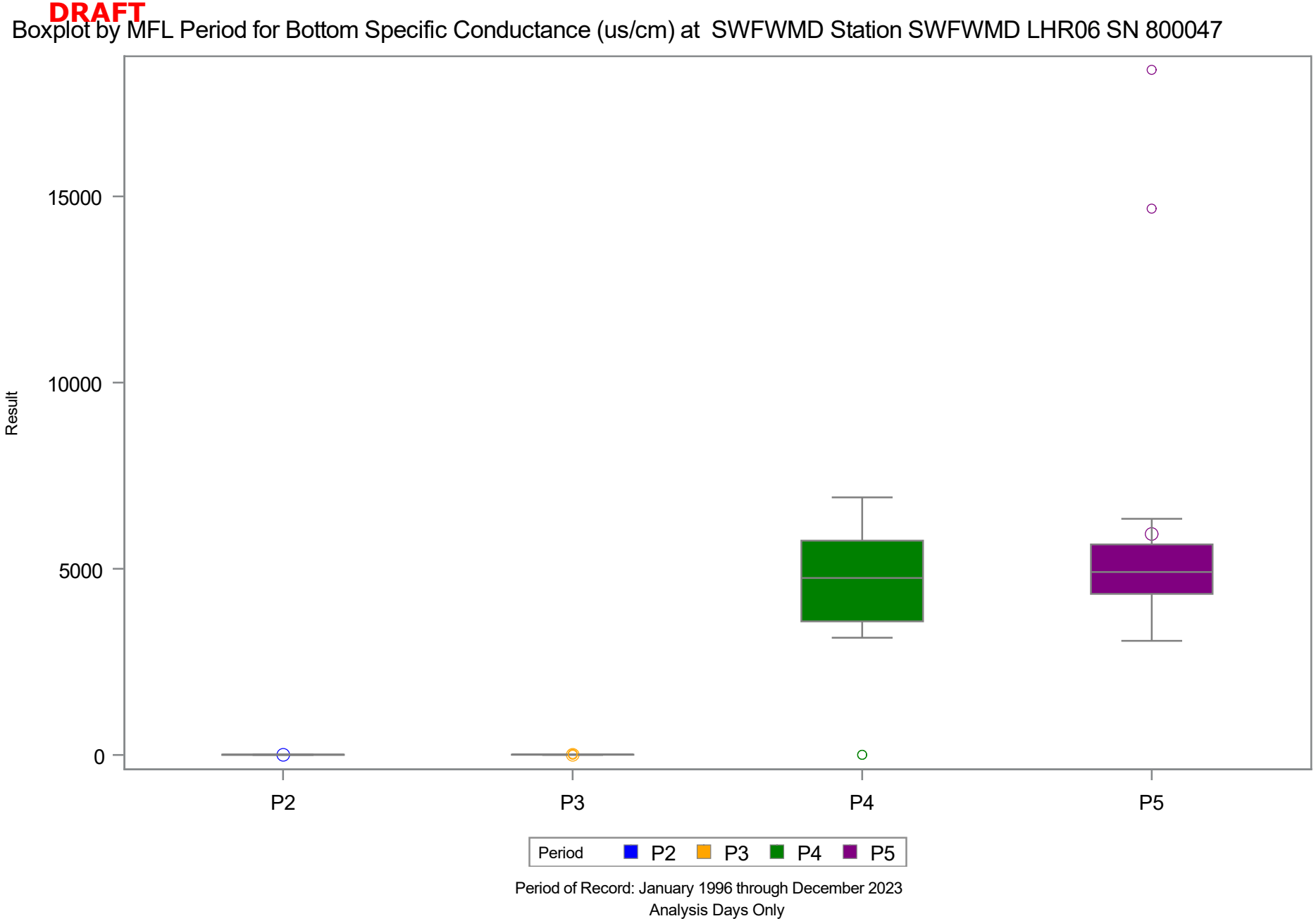
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047

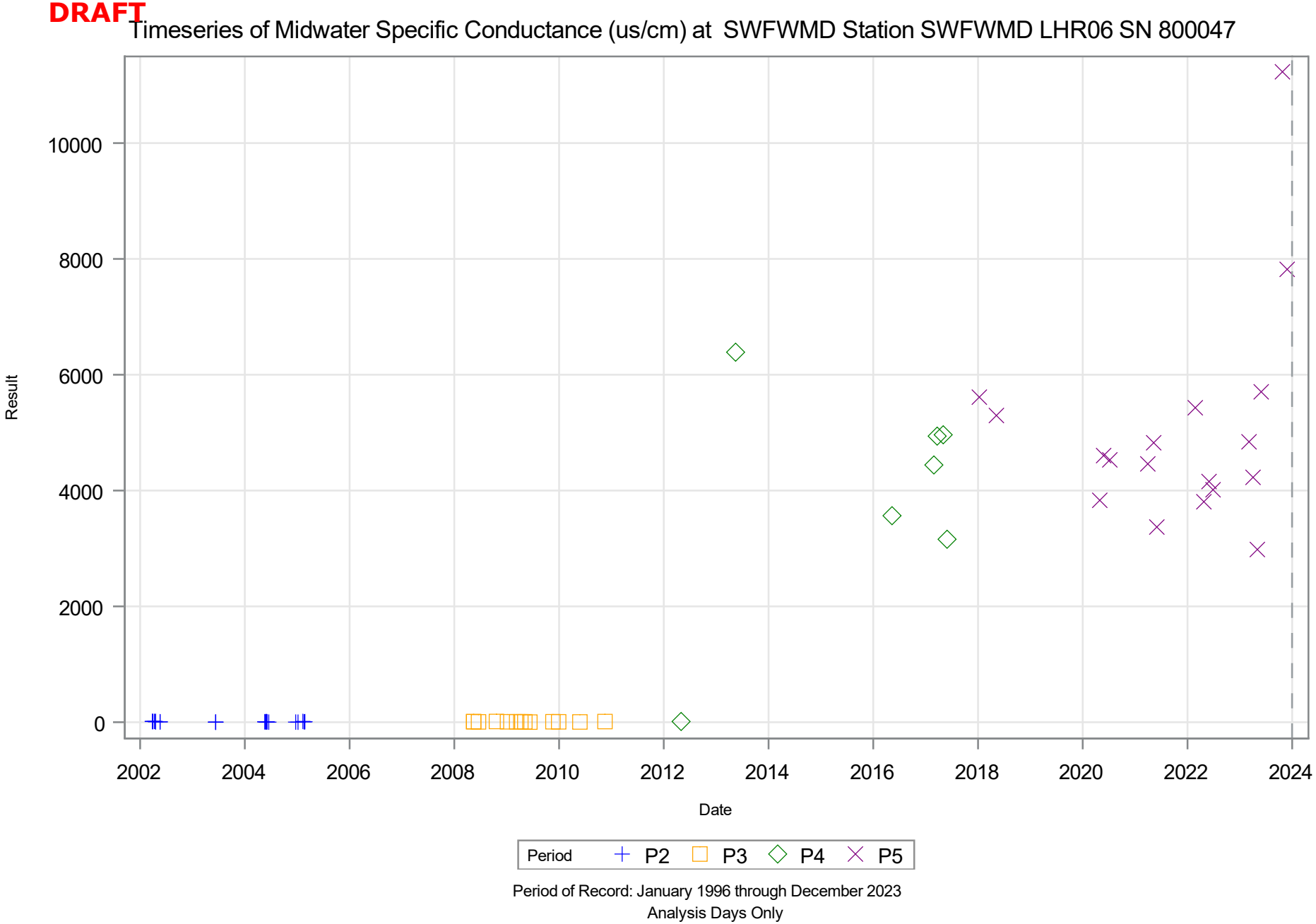
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.31	1.72	6.64	7.18	9.79	14.63
P3	16	1.64	6.18	8.54	7.93	9.76	17.17
P4	14	4.75	3588.00	4292.62	4752.50	5755.00	6917.00
P5	21	3065.00	4326.00	5939.24	4913.00	5654.00	18400.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

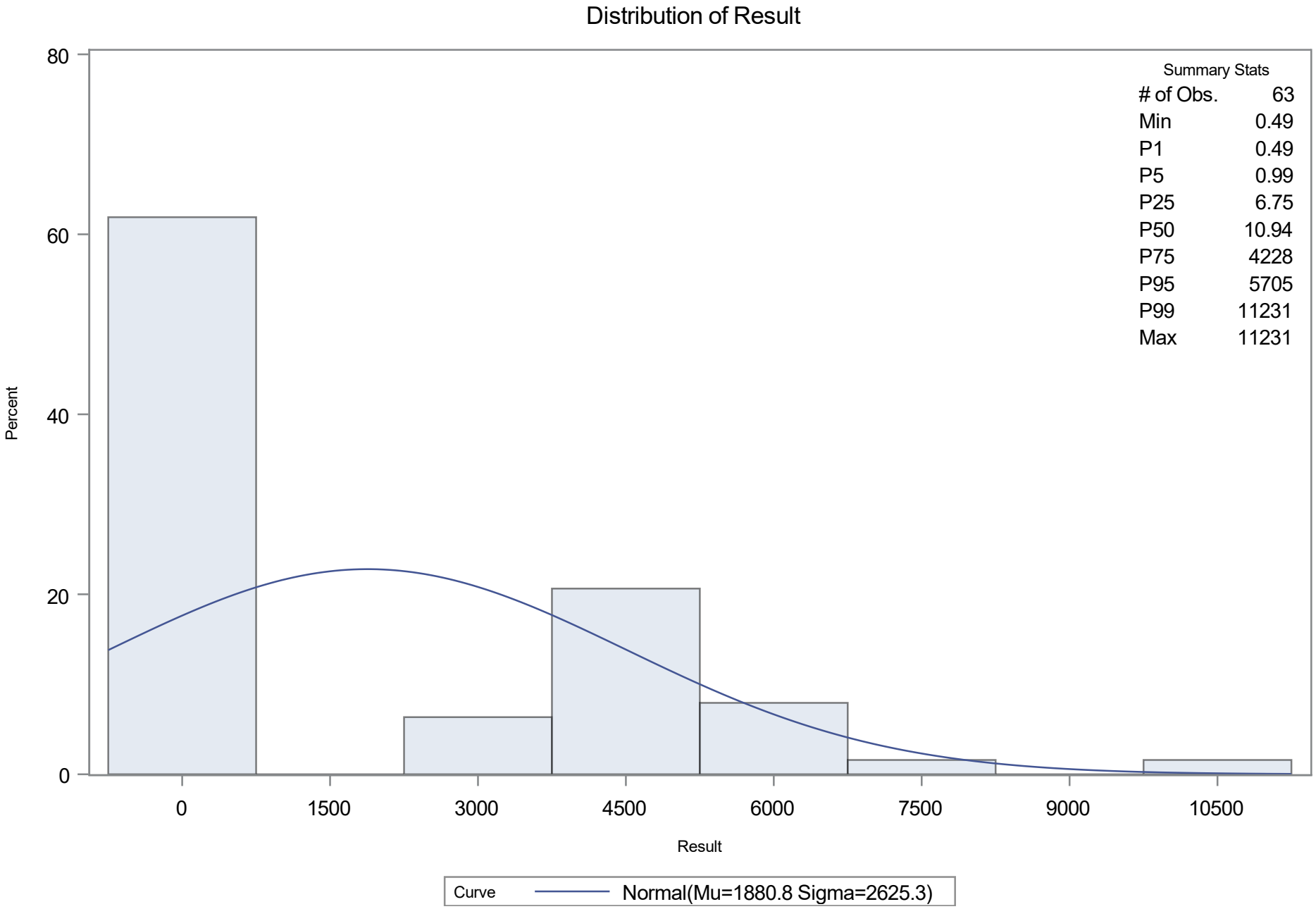

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
15000
10000
5000
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
10000
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1880.76
Std Dev	Sigma	2625.348

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.38050049	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.48733716	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.84877989	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.49000	-4226.712
5.0	0.99000	-2437.553
10.0	2.14000	-1483.759
25.0	6.75000	109.990
50.0	10.94000	1880.760
75.0	4228.00000	3651.530
90.0	5296.00000	5245.278
95.0	5705.00000	6199.072
99.0	11231.00000	7988.231

Period of Record: January 1996 through December 2023
Analysis Days Only

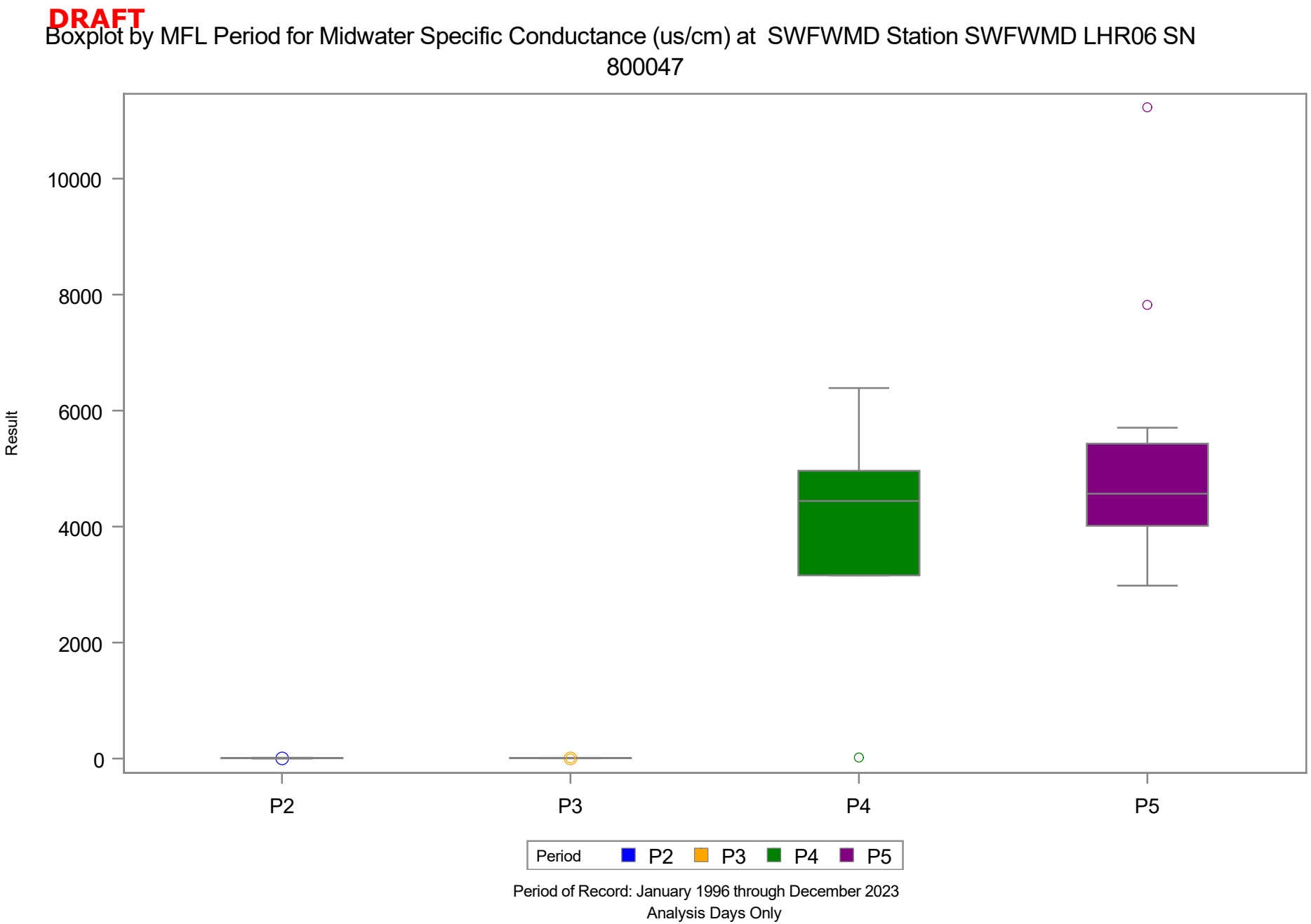
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047

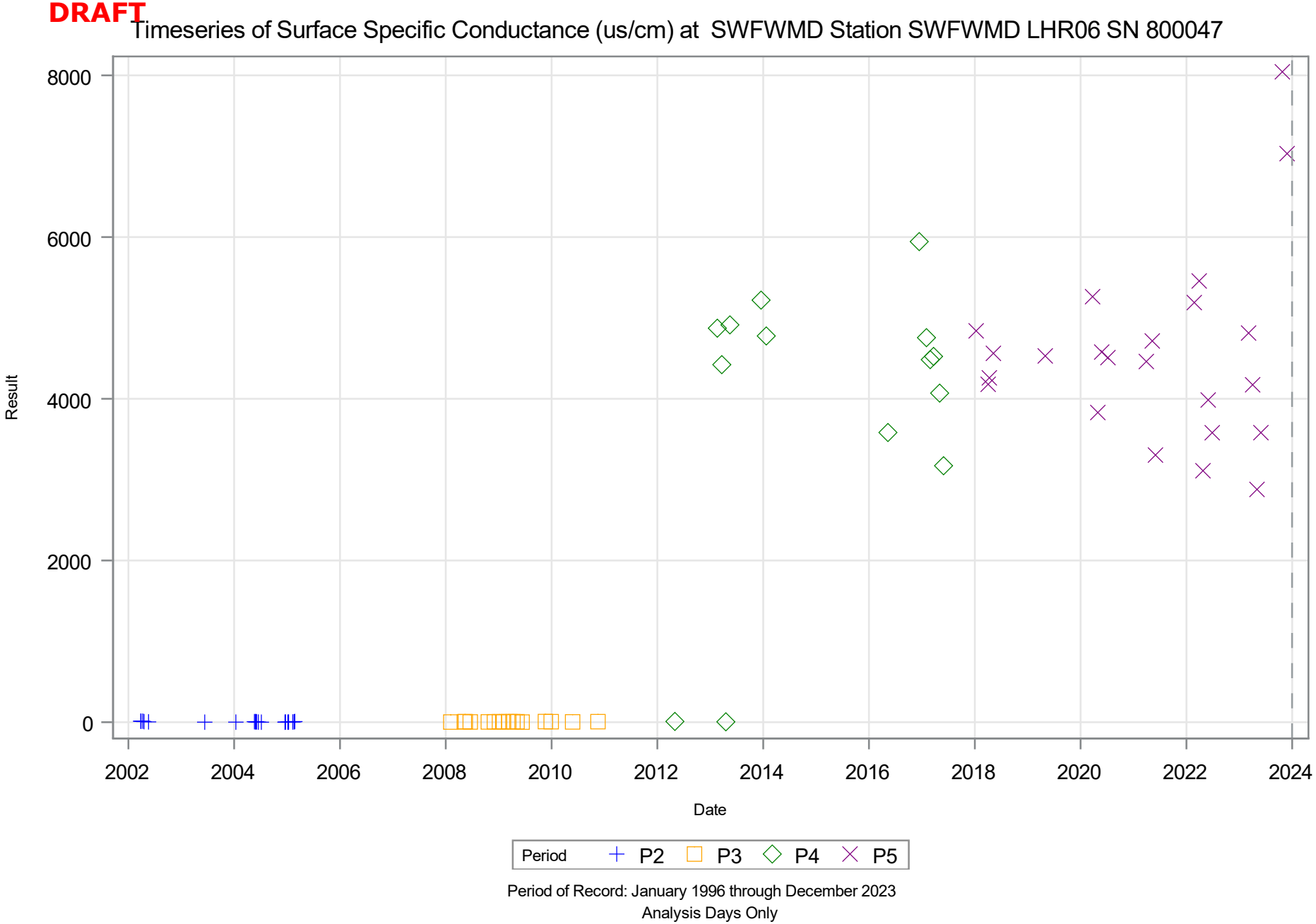
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.49	5.15	7.03	7.44	9.77	14.18
P3	13	1.62	6.41	7.36	7.25	8.93	12.34
P4	7	12.35	3159.00	3924.48	4442.00	4963.00	6389.00
P5	18	2982.00	4014.00	5041.39	4567.00	5430.00	11231.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

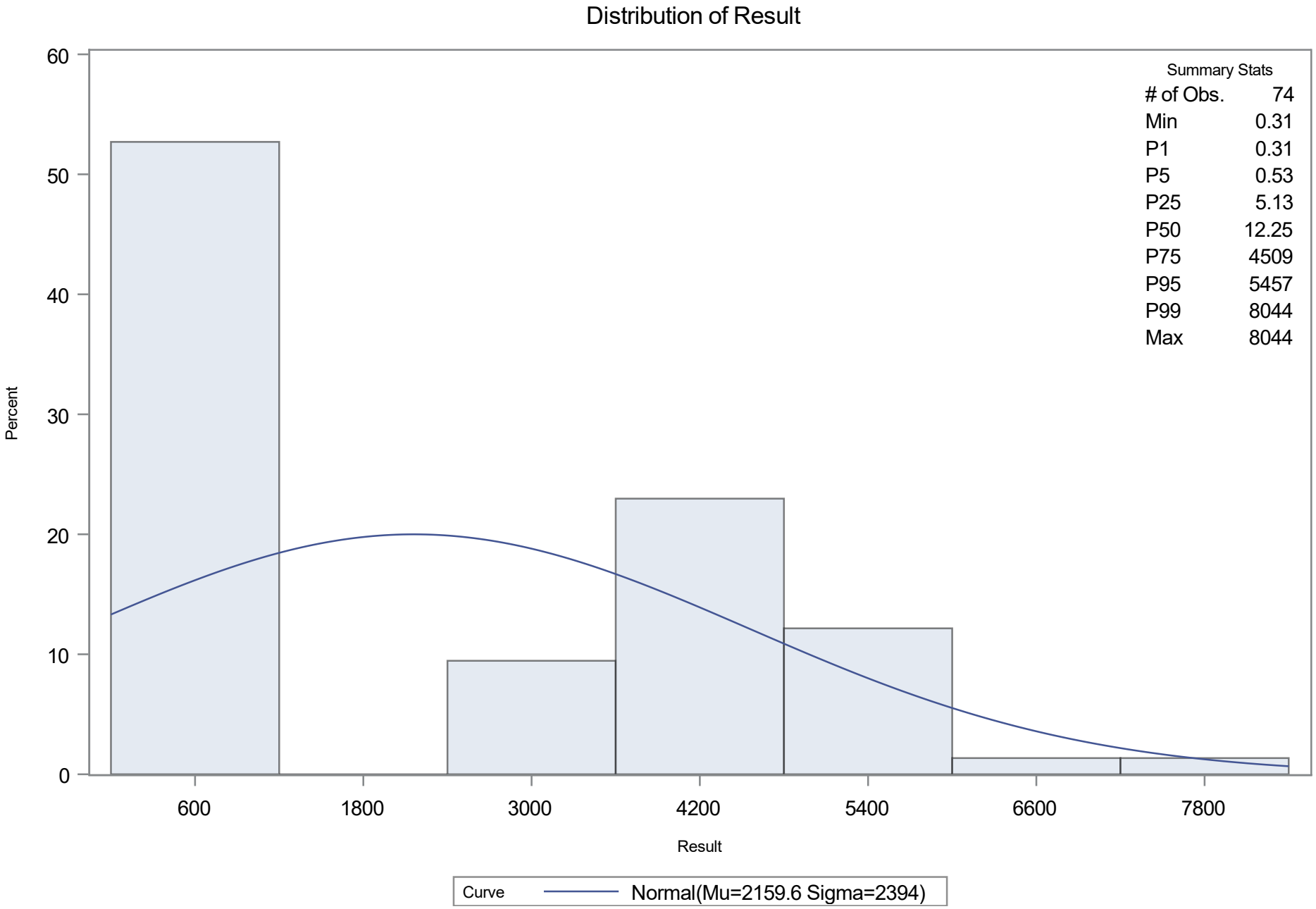

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
10000
8000
6000
4000
2000
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2159.558
Std Dev	Sigma	2394.023

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34205717	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.39253632	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.03499044	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-3409.772
5.0	0.53000	-1778.259
10.0	1.59000	-908.506
25.0	5.13000	544.814
50.0	12.25000	2159.558
75.0	4509.00000	3774.303
90.0	4914.00000	5227.623
95.0	5457.00000	6097.376
99.0	8044.00000	7728.889

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

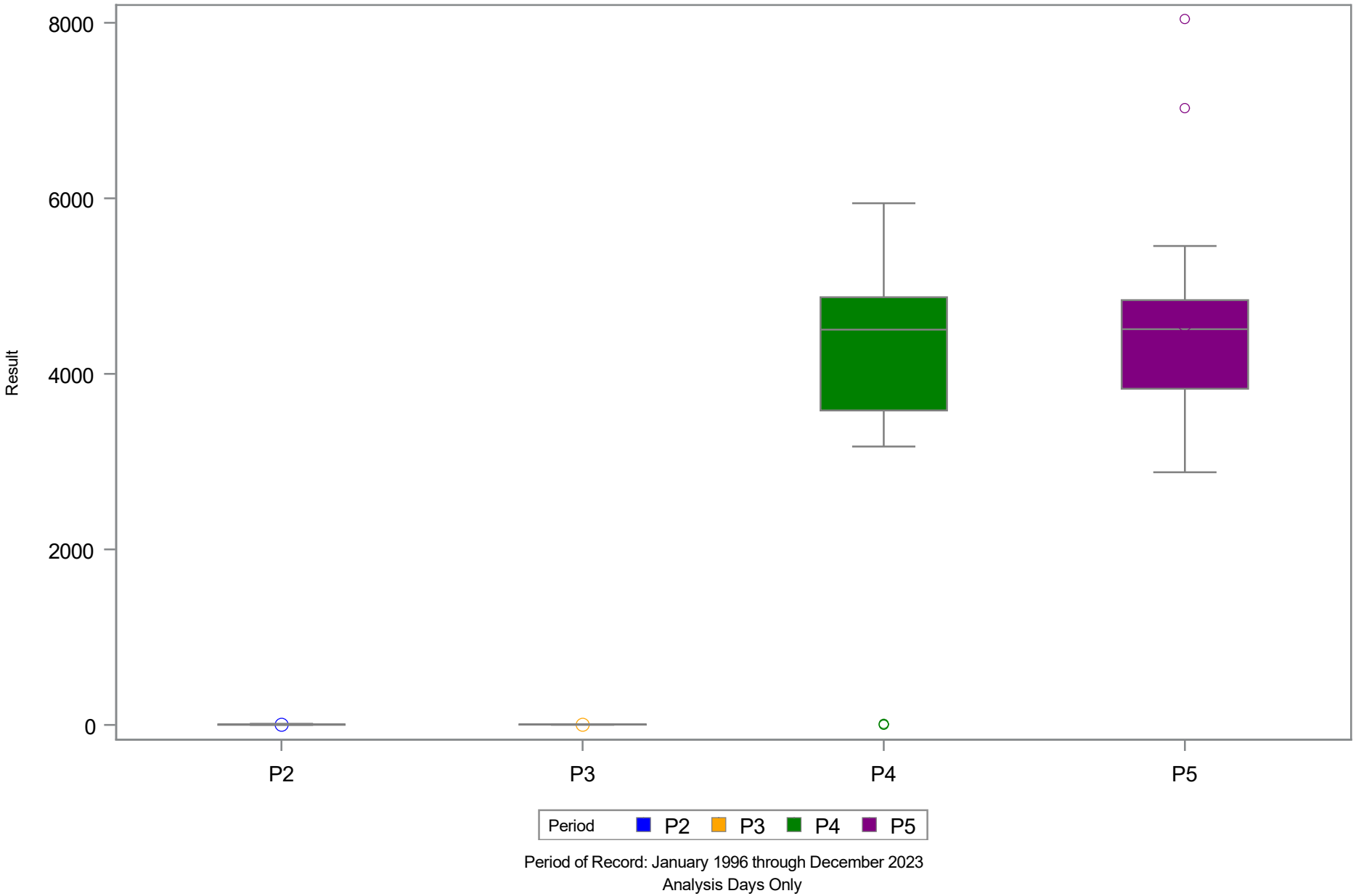
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.31	1.39	4.83	4.06	6.53	13.11
P3	16	1.46	3.50	4.93	5.45	6.30	7.99
P4	14	4.76	3583.00	3910.94	4504.00	4873.00	5944.00
P5	23	2879.00	3830.00	4559.74	4509.00	4840.00	8044.00

Period of Record: January 1996 through December 2023
Analysis Days Only

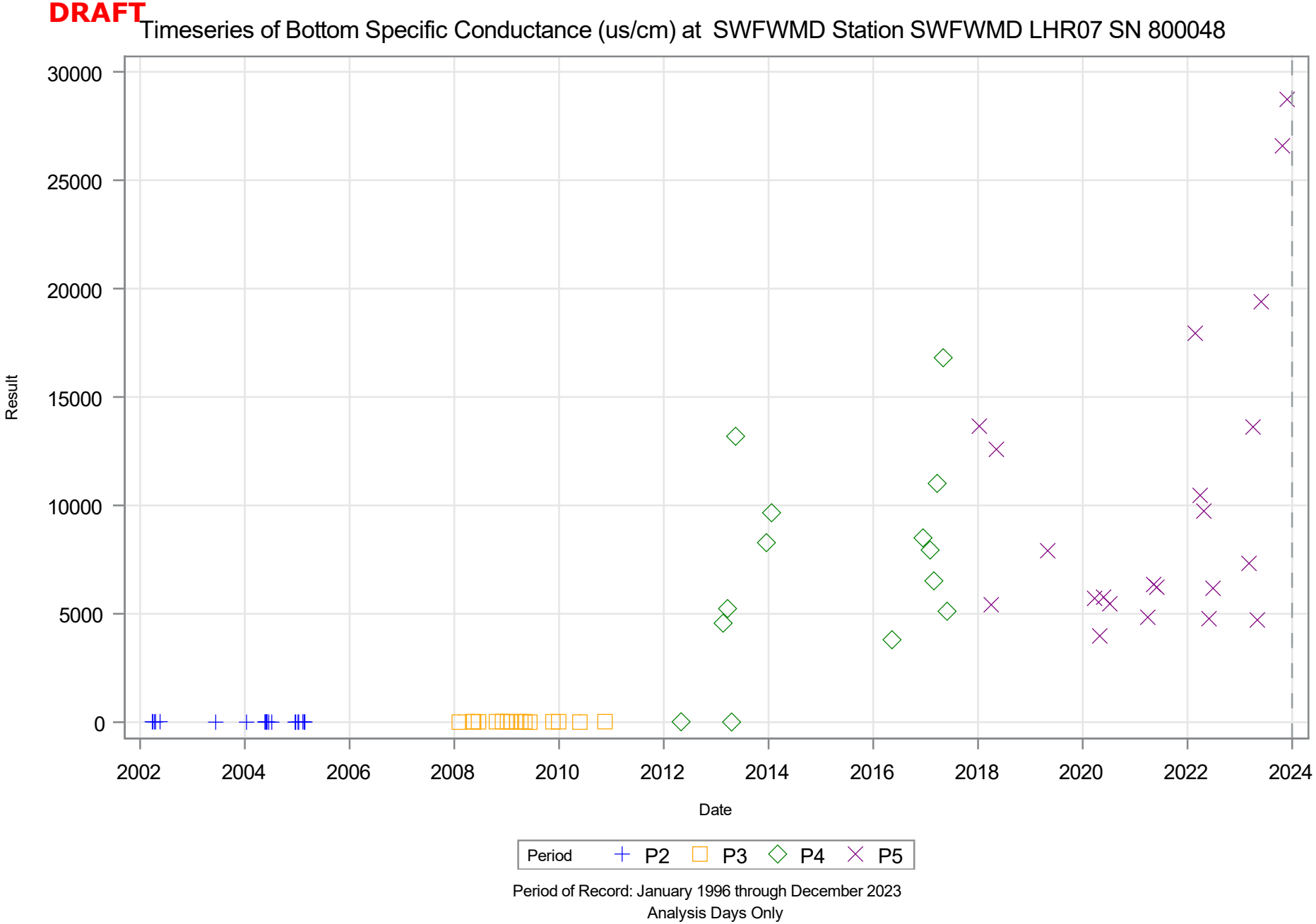
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR06 SN 800047



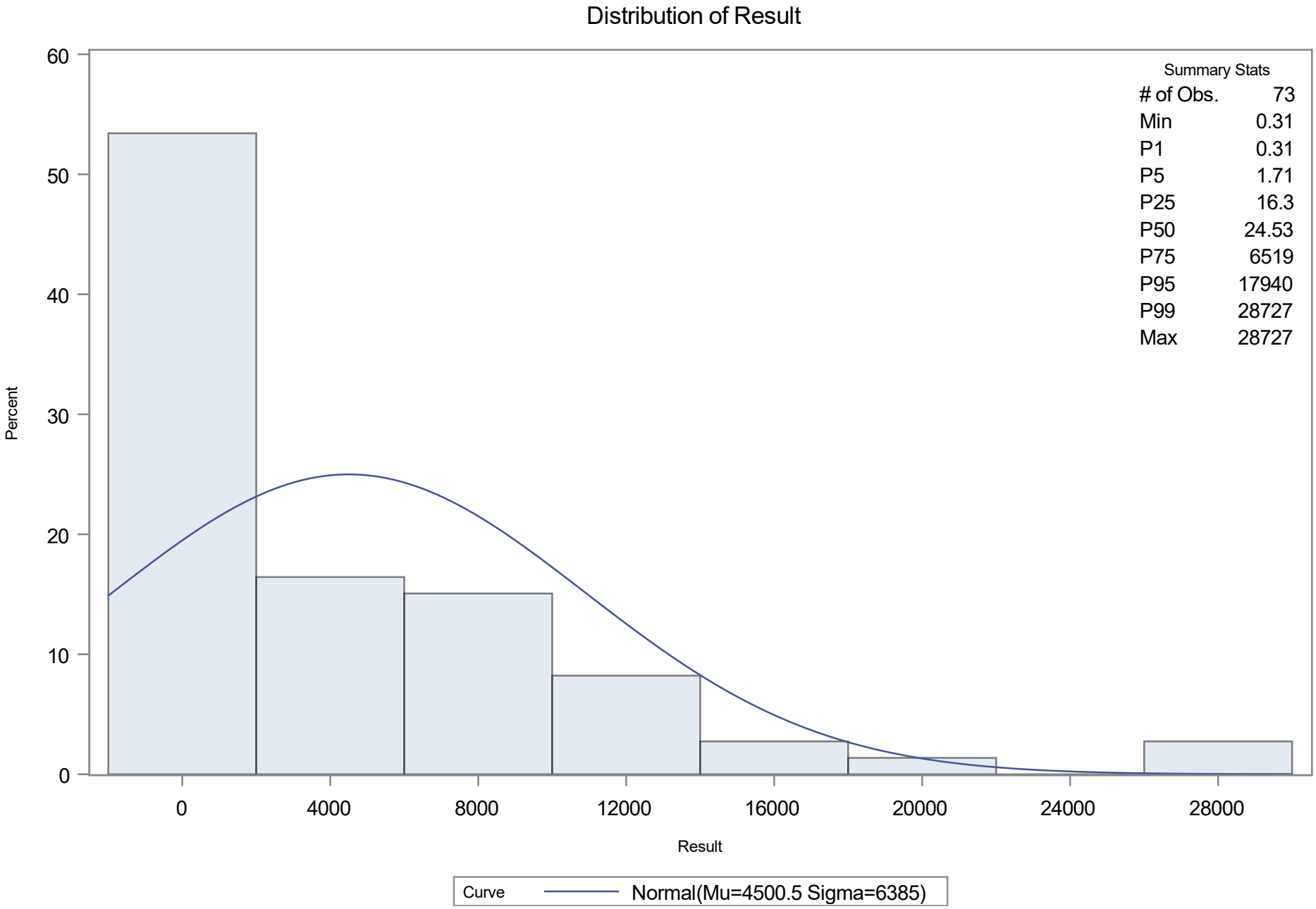
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
30000
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4500.538
Std Dev	Sigma	6384.95

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29228795	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.13959996	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.55976436	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-10353.077
5.0	1.71000	-6001.771
10.0	2.72000	-3682.105
25.0	16.30000	193.954
50.0	24.53000	4500.538
75.0	6519.00000	8807.121
90.0	13188.00000	12683.181
95.0	17940.00000	15002.846
99.0	28727.00000	19354.153

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

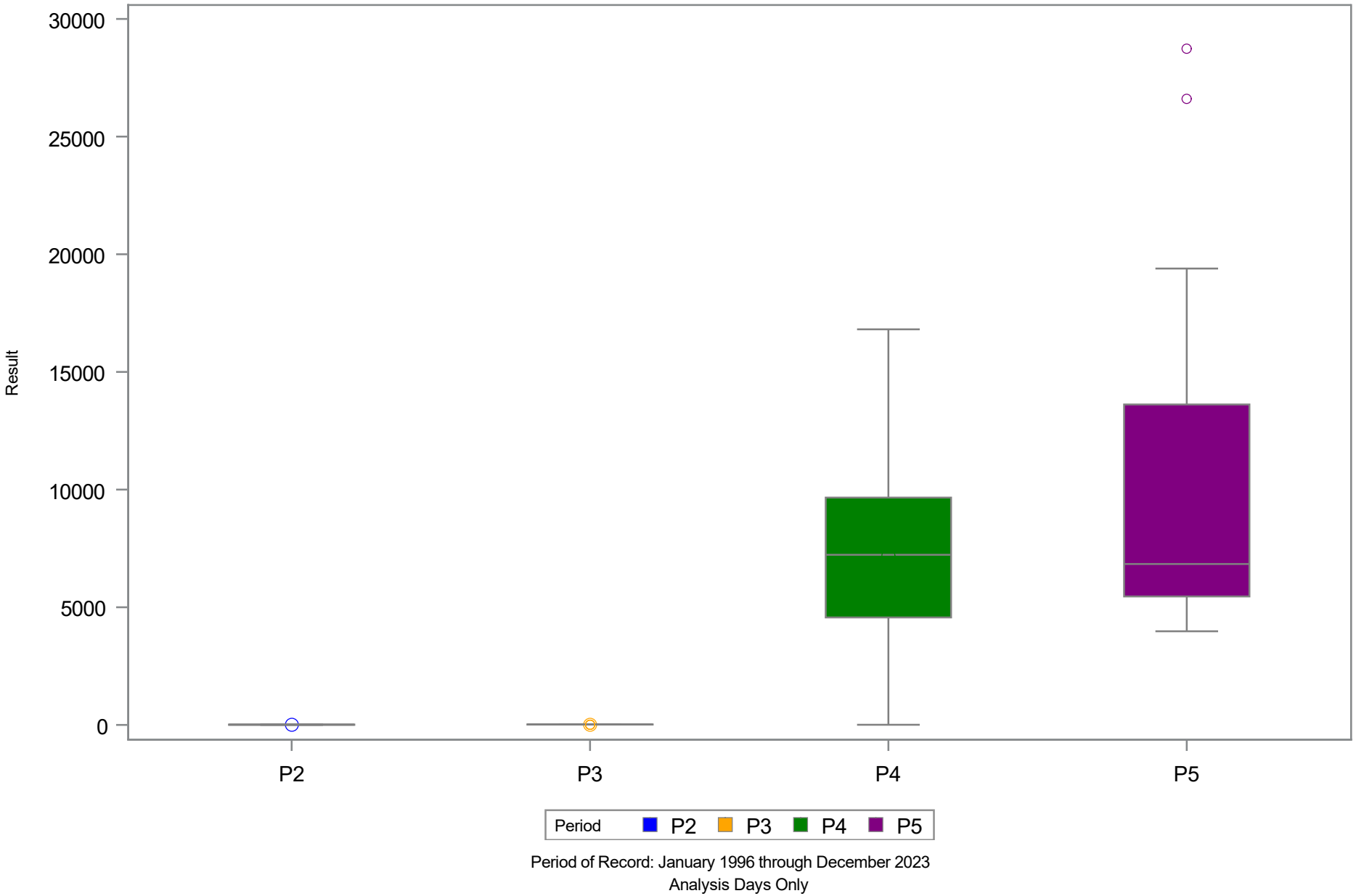
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.31	2.60	10.46	9.26	16.57	24.53
P3	16	1.54	16.39	18.16	20.87	22.26	30.97
P4	14	7.07	4568.00	7190.73	7229.50	9660.00	16811.00
P5	22	3980.00	5460.00	10334.50	6838.50	13617.00	28727.00

Period of Record: January 1996 through December 2023
Analysis Days Only

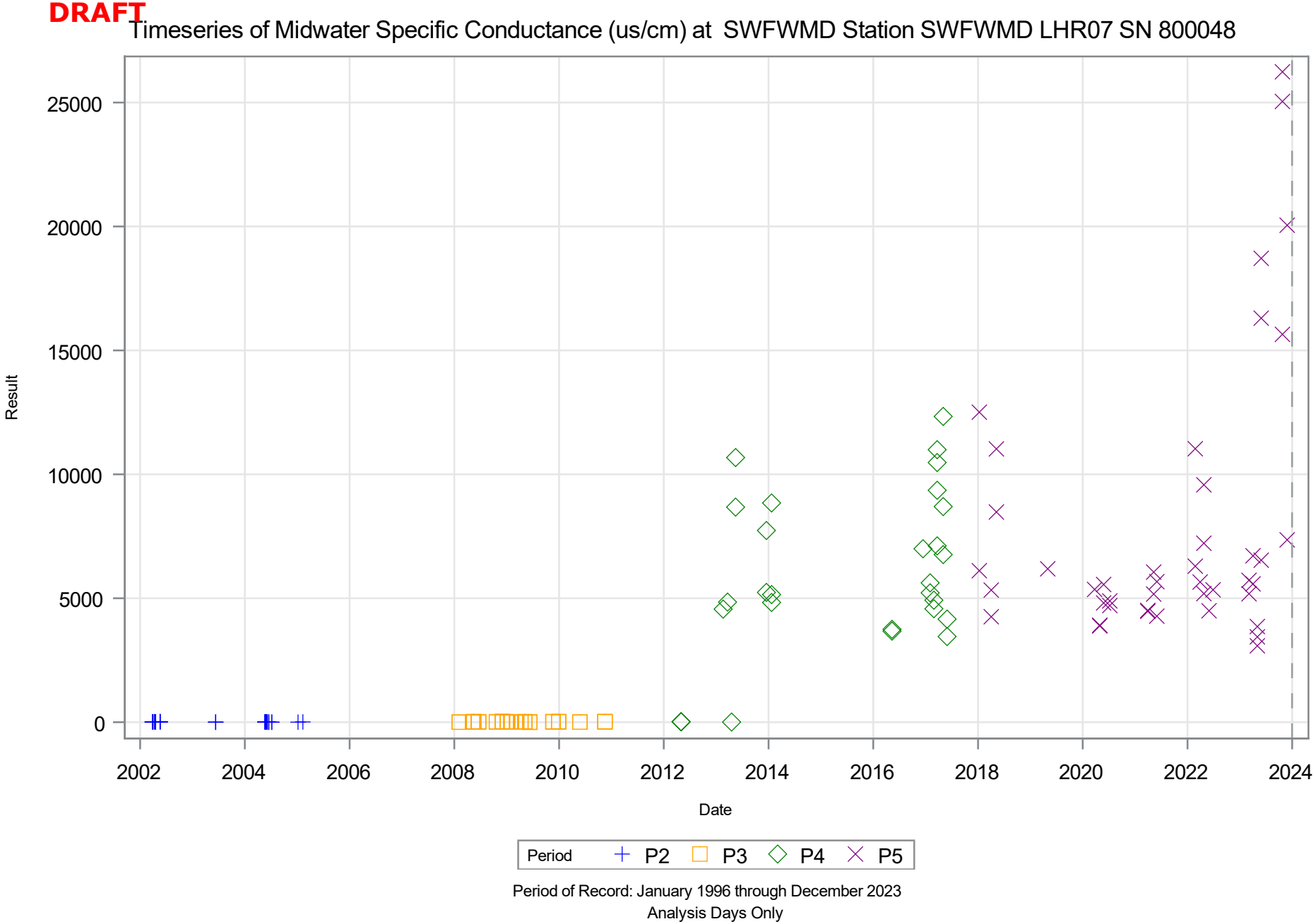
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048



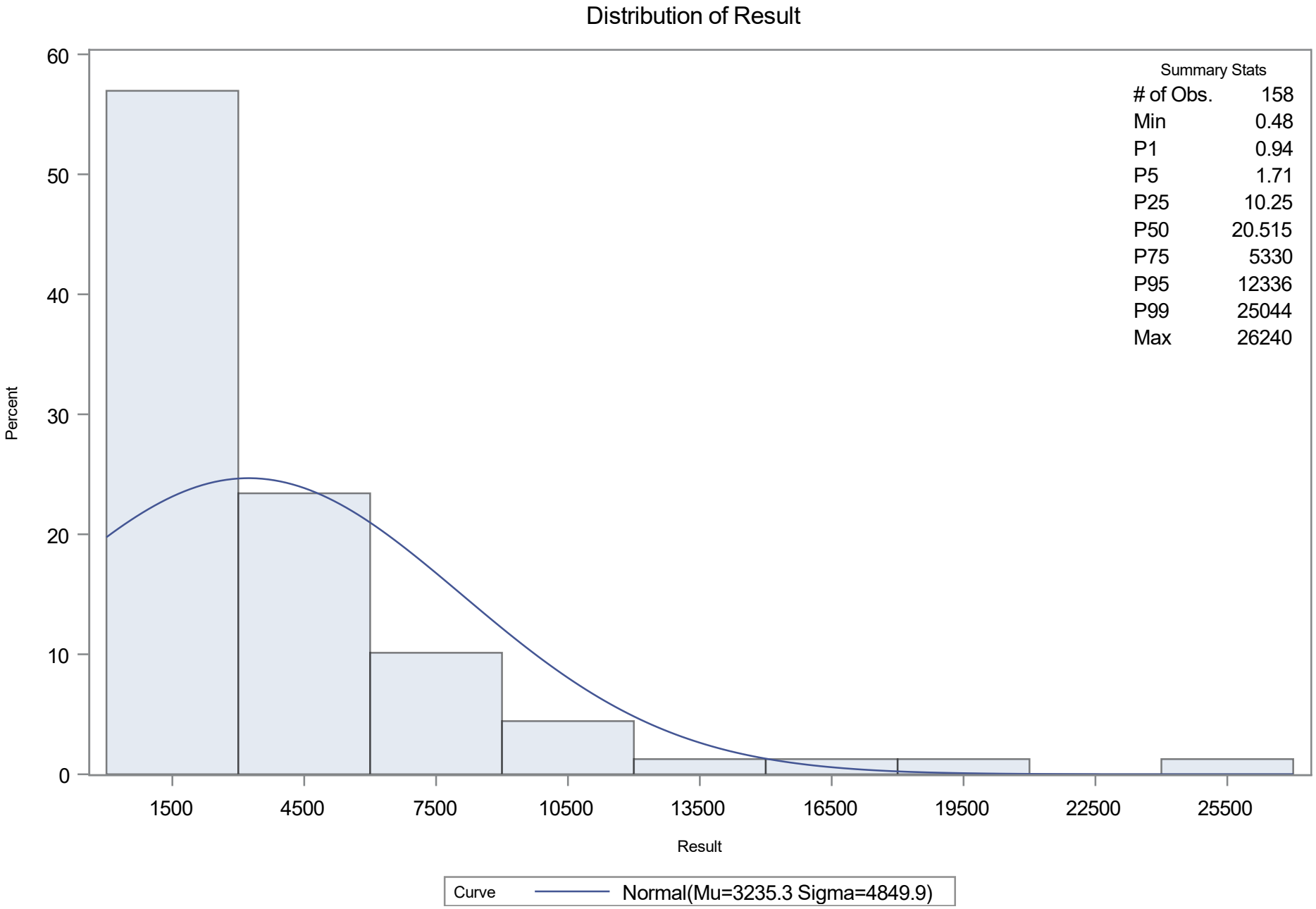
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3235.322
Std Dev	Sigma	4849.89

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3152284	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.7719509	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	15.6072073	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.94000	-8047.2107
5.0	1.71000	-4742.0383
10.0	5.35000	-2980.0631
25.0	10.25000	-35.8798
50.0	20.51500	3235.3215
75.0	5330.00000	6506.5229
90.0	8845.00000	9450.7061
95.0	12336.00000	11212.6813
99.0	25044.00000	14517.8537

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

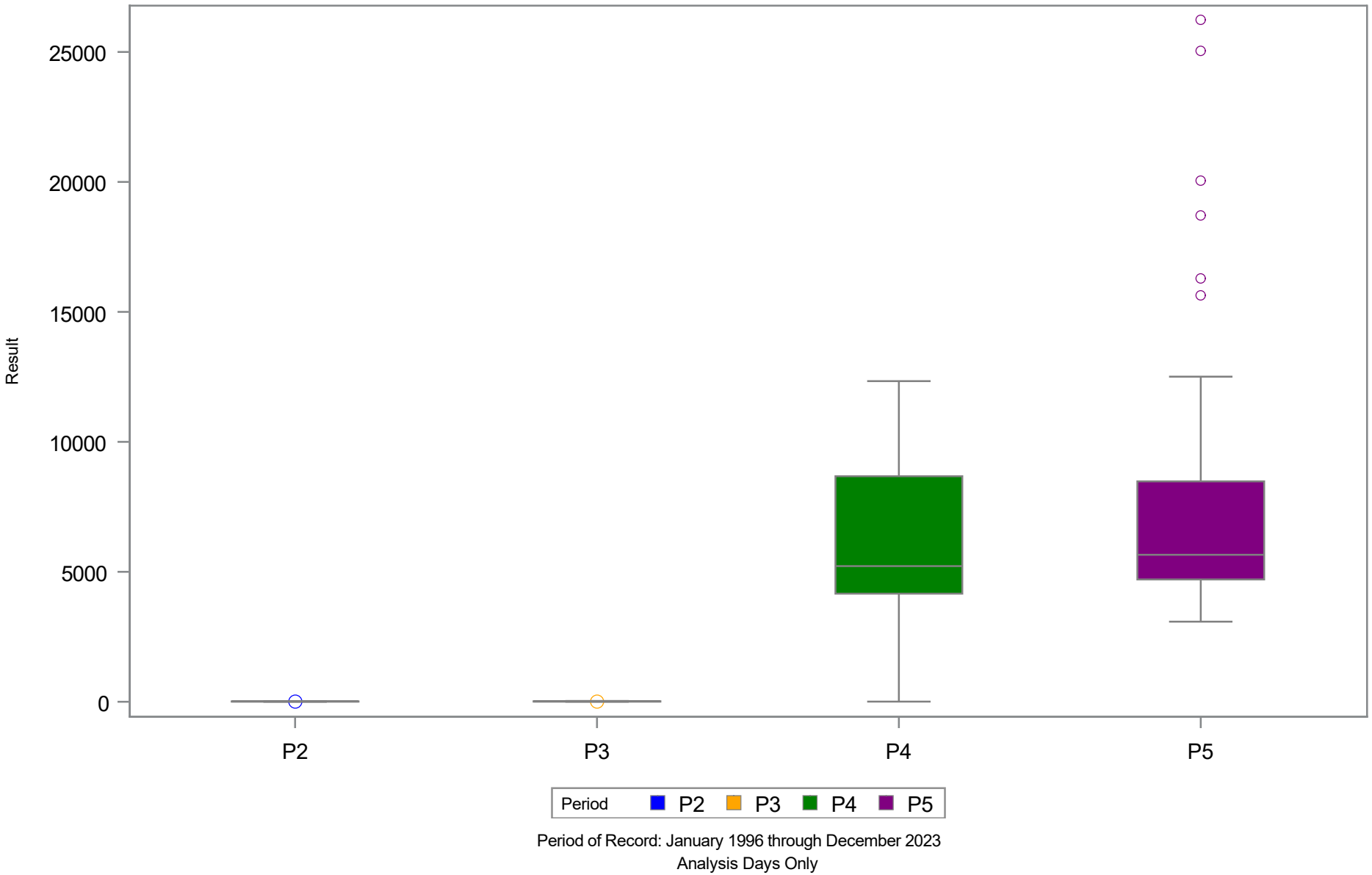
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	42	0.48	5.88	10.34	10.23	14.87	24.48
P3	44	1.41	7.18	13.01	11.08	19.53	30.84
P4	29	6.34	4159.00	5818.20	5219.00	8677.00	12336.00
P5	43	3082.00	4706.00	7940.60	5655.00	8480.00	26240.00

Period of Record: January 1996 through December 2023
Analysis Days Only

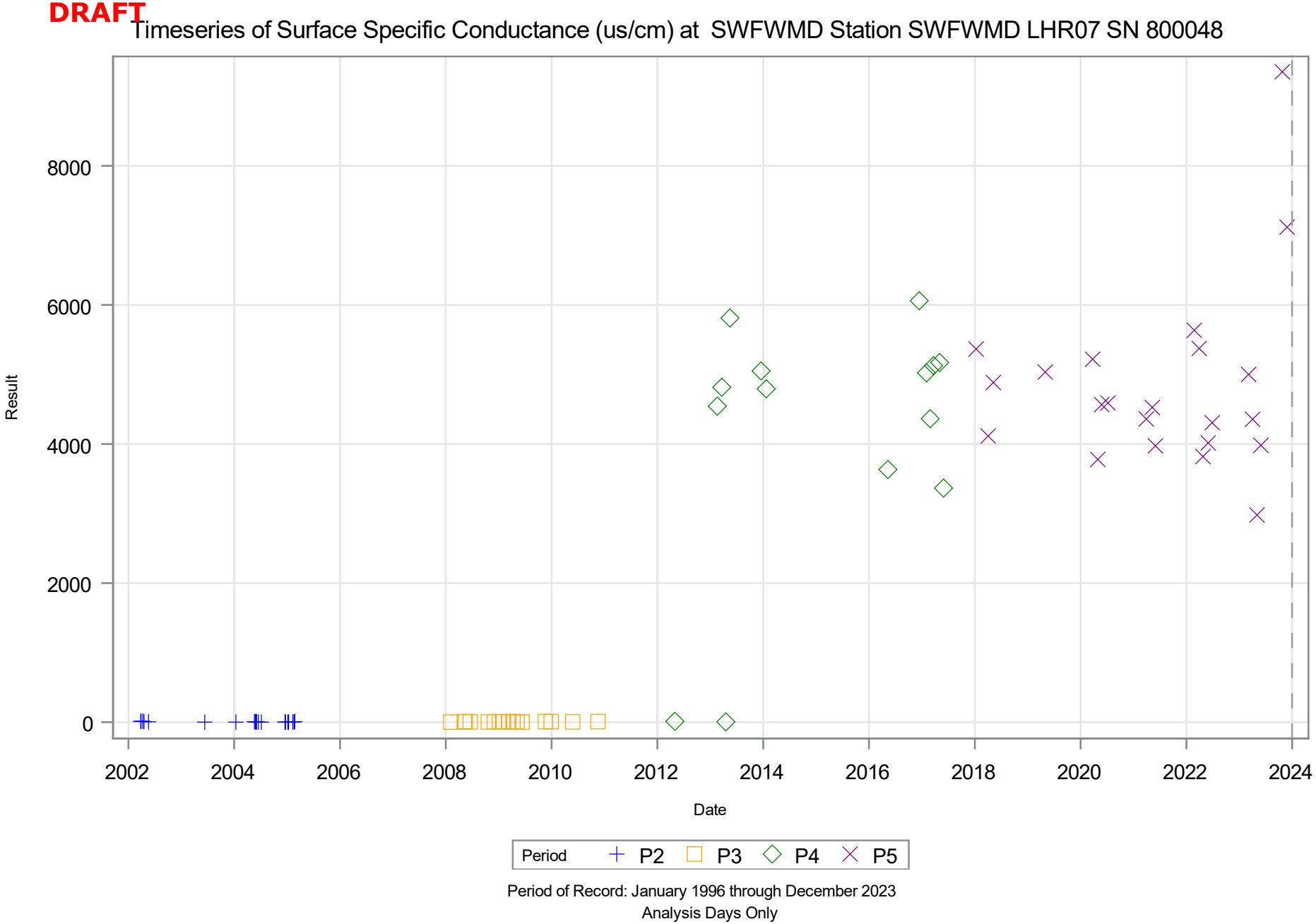
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048



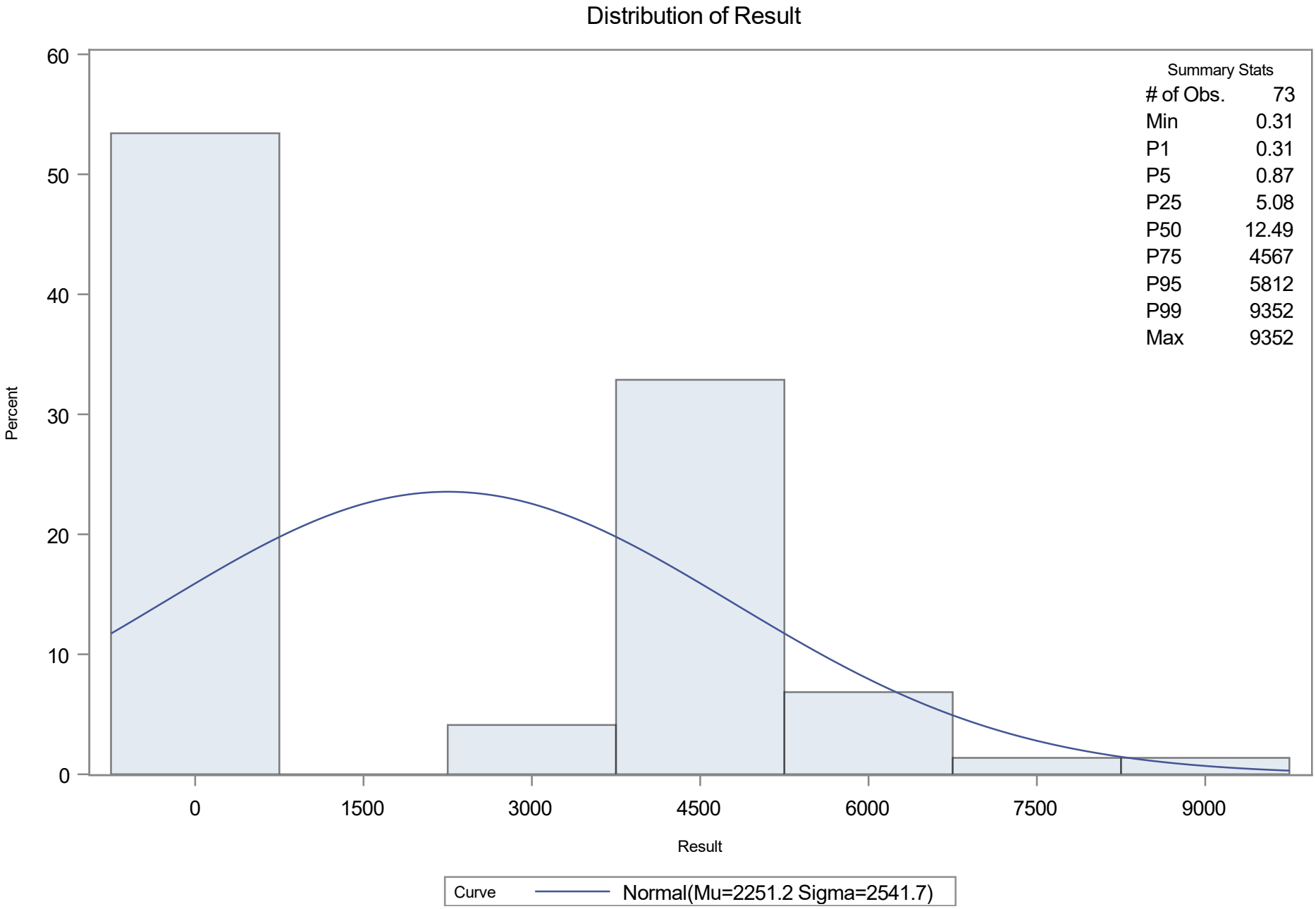
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
8000
6000
4000
2000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2251.158
Std Dev	Sigma	2541.716

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34491145	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.39942952	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.98981083	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-3661.759
5.0	0.87000	-1929.594
10.0	1.93000	-1006.183
25.0	5.08000	536.796
50.0	12.49000	2251.158
75.0	4567.00000	3965.519
90.0	5219.00000	5508.498
95.0	5812.00000	6431.909
99.0	9352.00000	8164.074

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

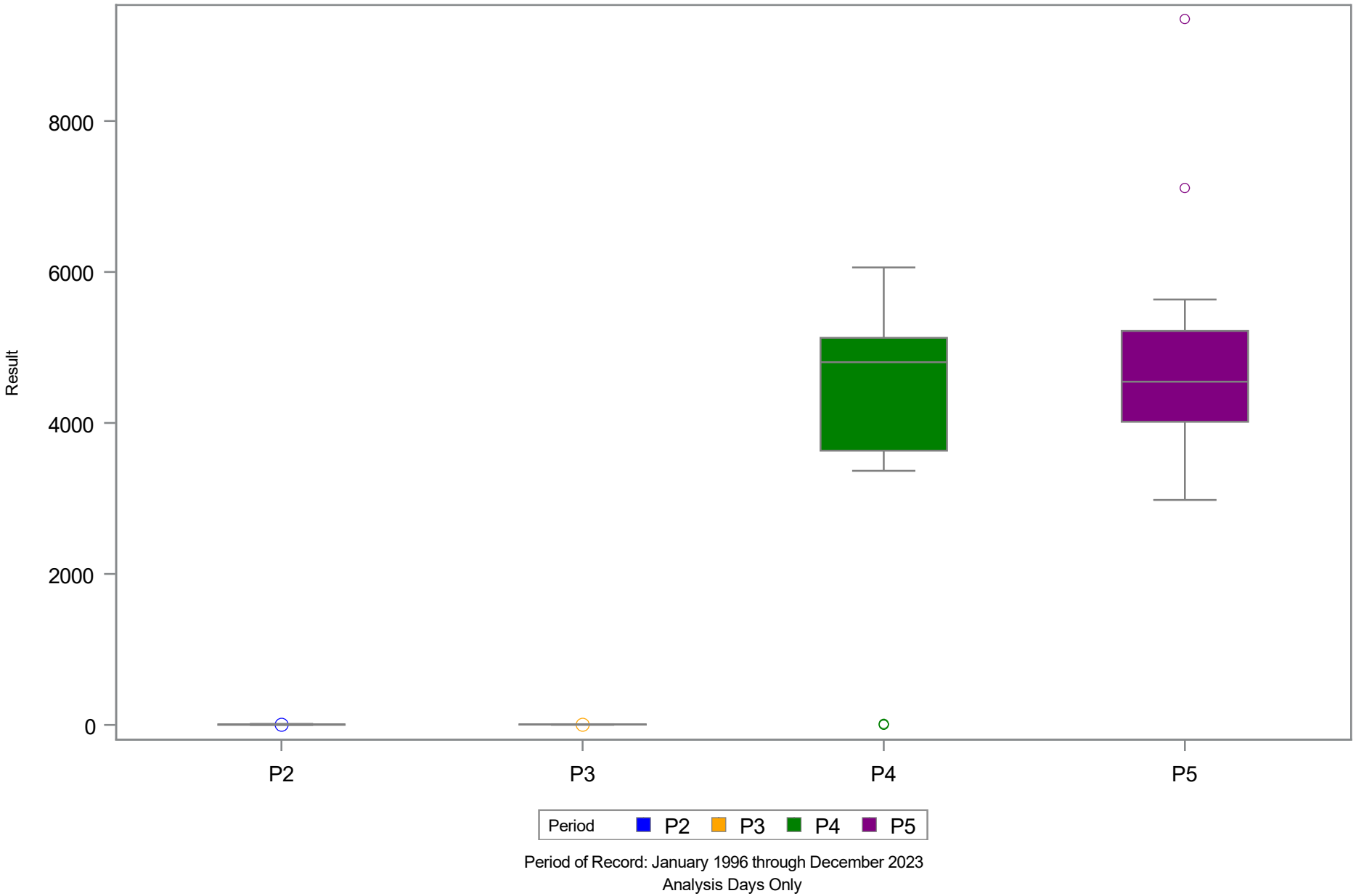
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.31	1.39	5.22	5.08	7.44	13.56
P3	16	1.40	4.43	5.65	5.76	7.39	9.27
P4	14	4.92	3633.00	4127.24	4805.00	5128.00	6060.00
P5	22	2980.00	4016.00	4834.23	4546.50	5219.00	9352.00

Period of Record: January 1996 through December 2023
Analysis Days Only

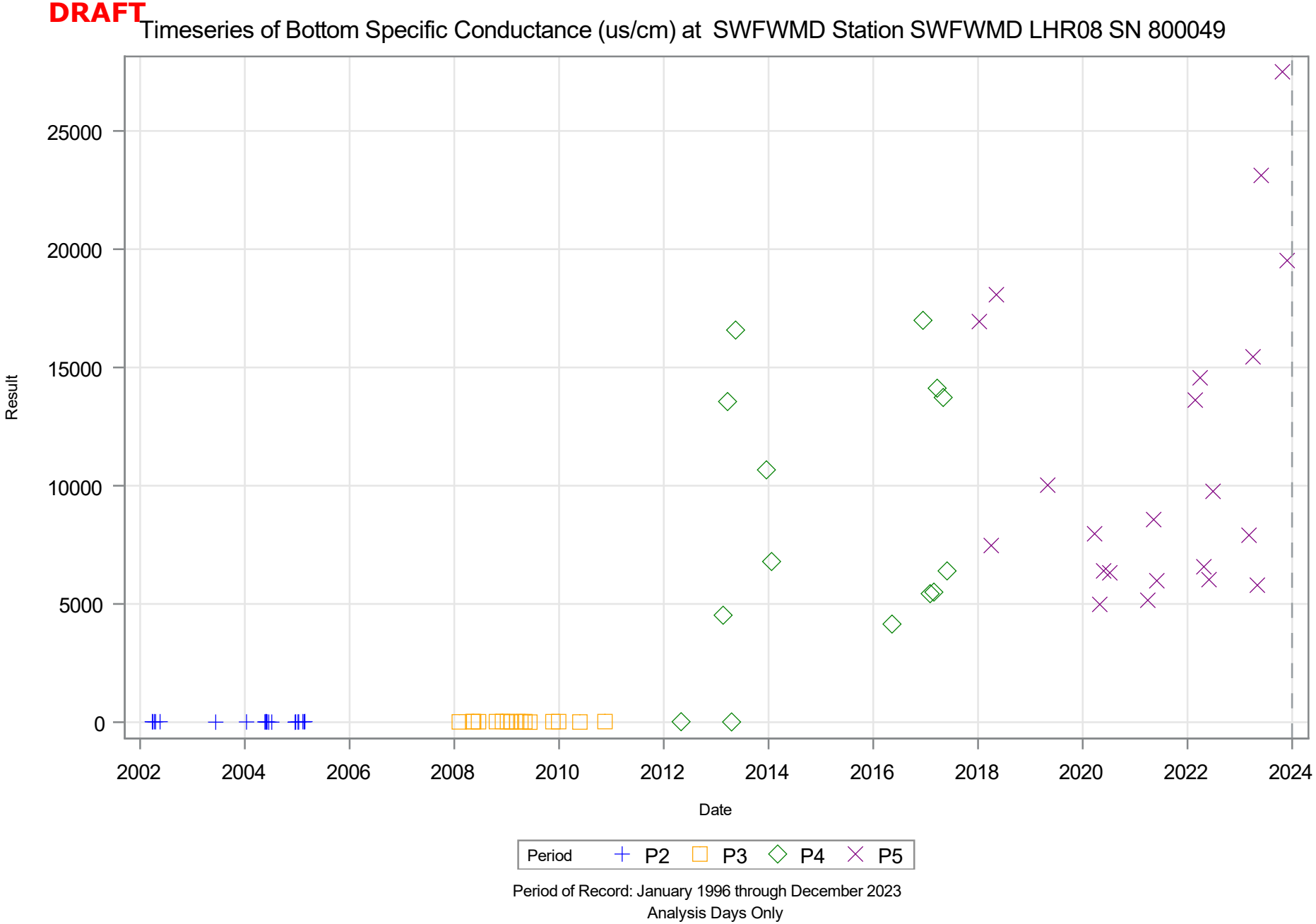
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR07 SN 800048



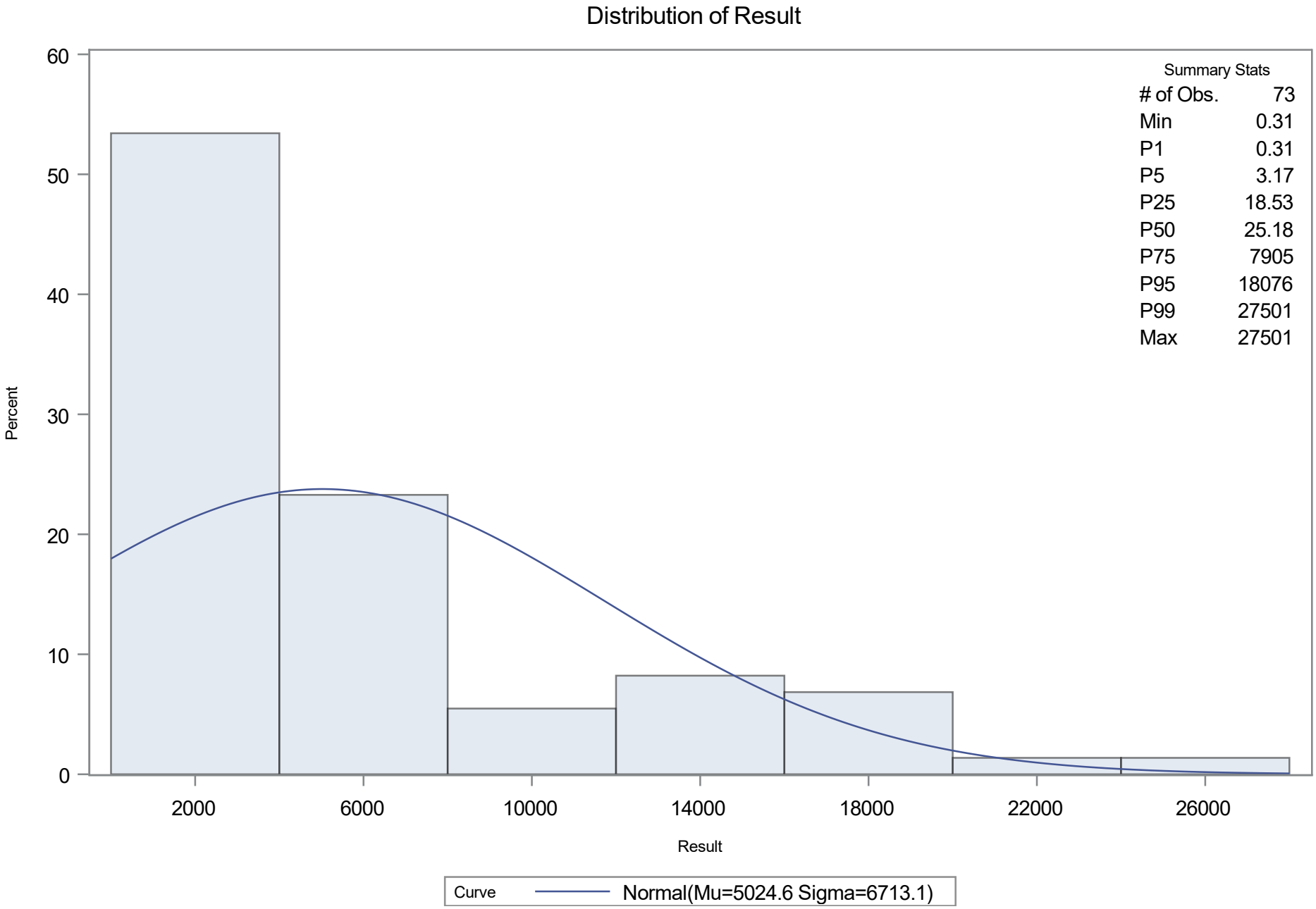
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5024.644
Std Dev	Sigma	6713.063

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30578424	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.14992346	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.59001509	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.31000	-10592.275
5.0	3.17000	-6017.362
10.0	9.11000	-3578.492
25.0	18.53000	496.752
50.0	25.18000	5024.644
75.0	7905.00000	9552.536
90.0	15450.00000	13627.780
95.0	18076.00000	16066.649
99.0	27501.00000	20641.563

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

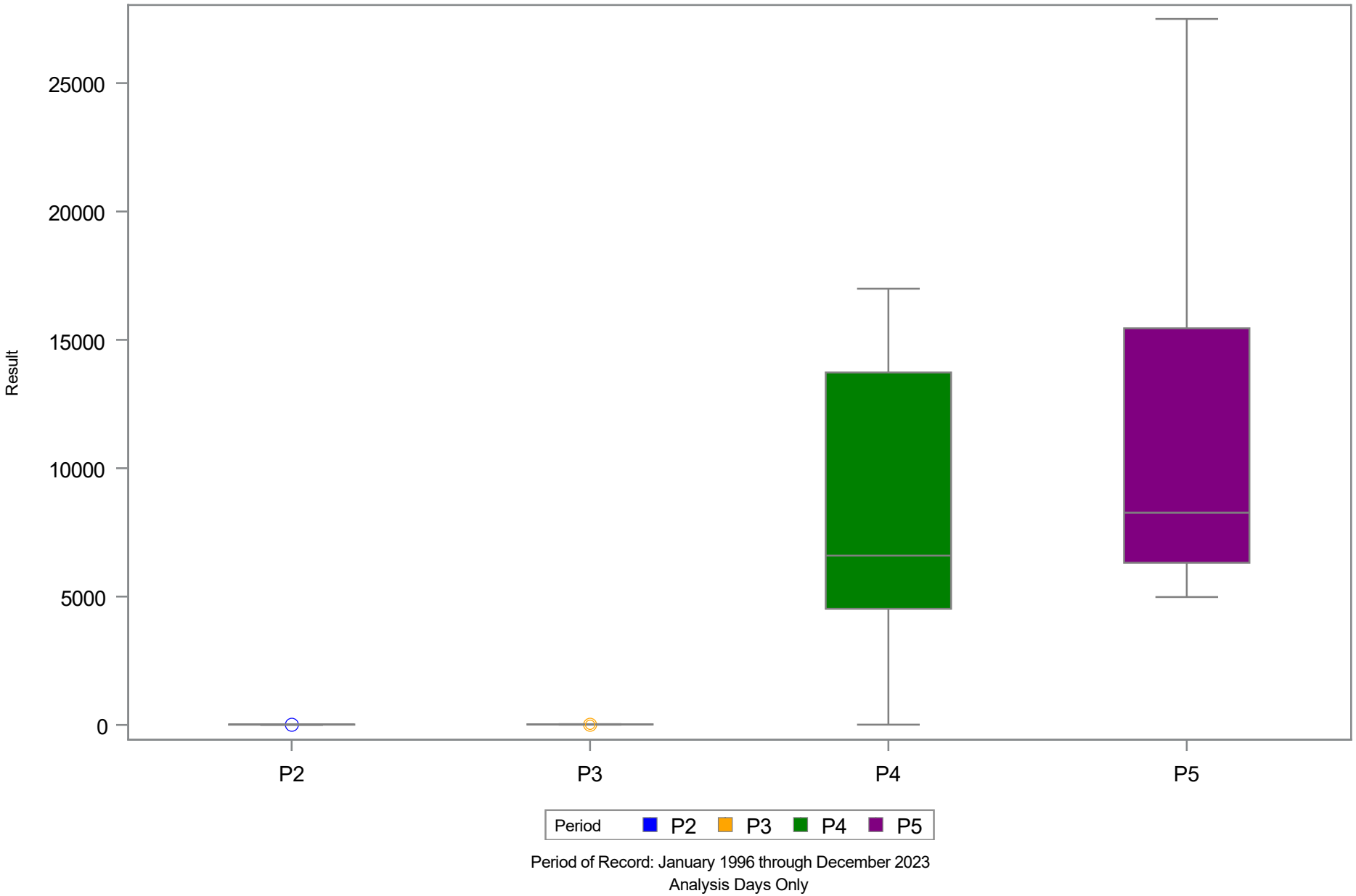
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.31	9.11	13.45	14.41	19.97	23.63
P3	16	3.34	16.56	20.08	22.88	24.09	30.66
P4	14	10.60	4523.00	8463.16	6595.50	13730.00	16992.00
P5	22	4982.00	6317.00	11259.59	8267.00	15450.00	27501.00

Period of Record: January 1996 through December 2023
Analysis Days Only

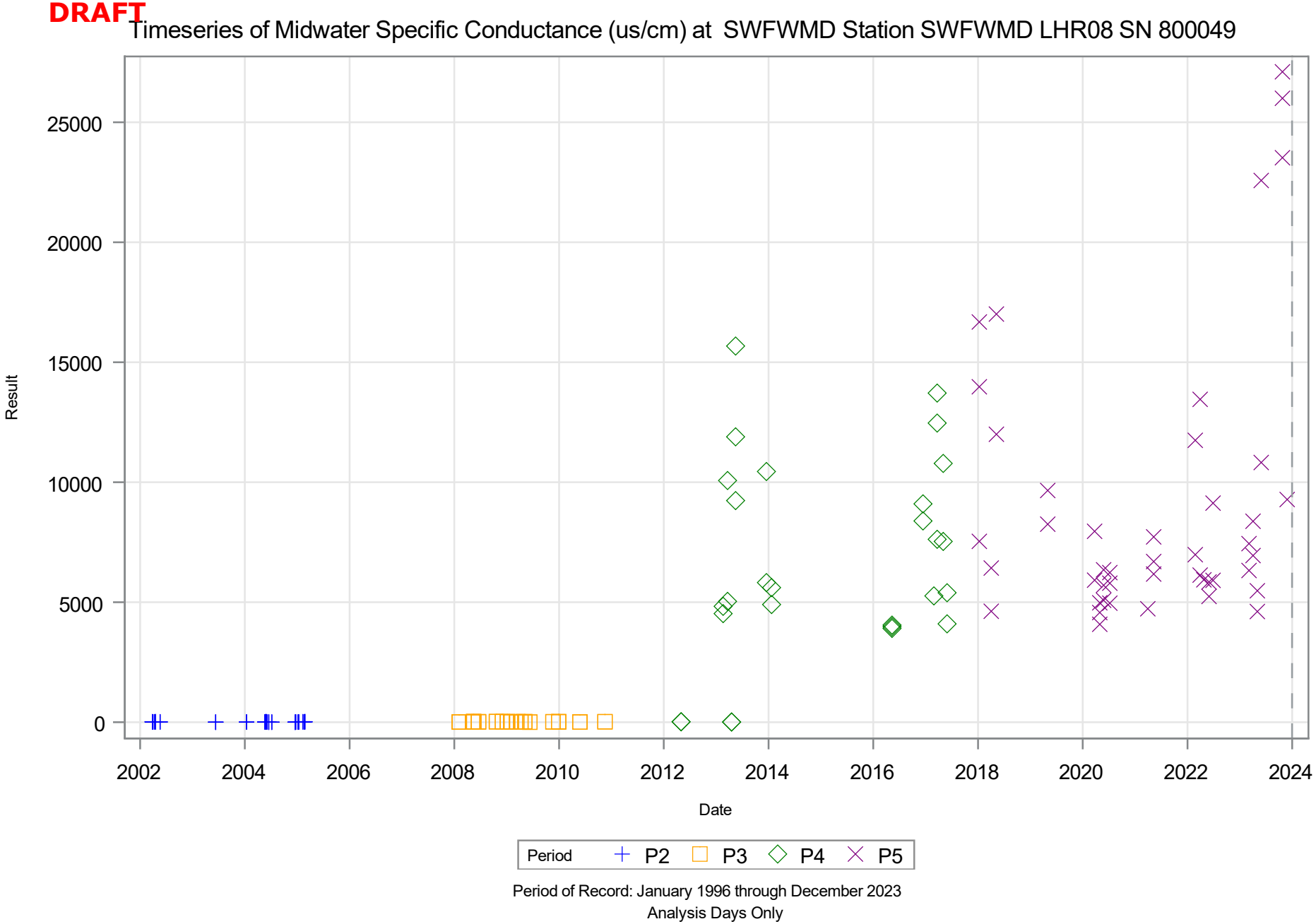
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049



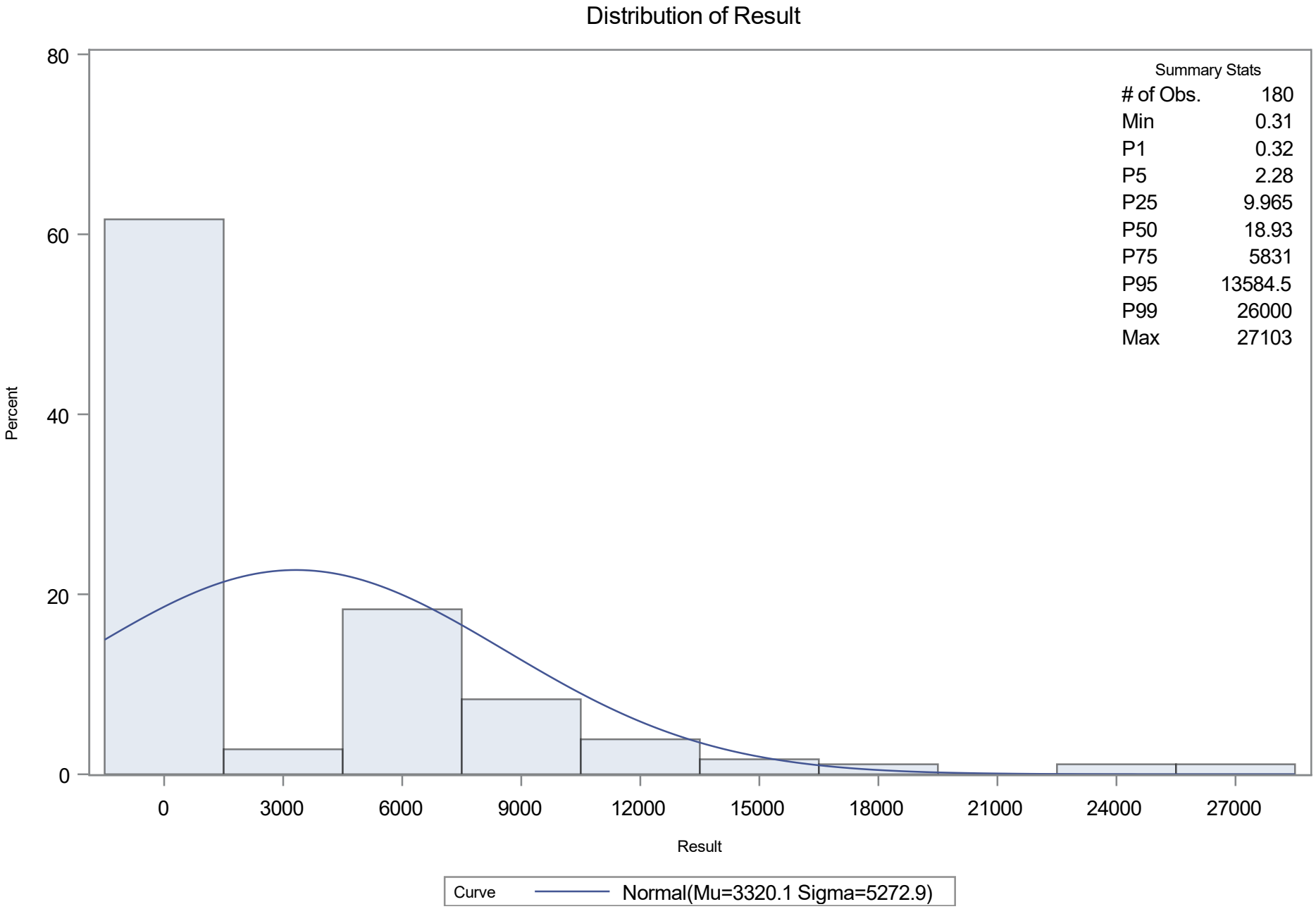
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3320.13
Std Dev	Sigma	5272.939

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3505438	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.9088973	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	20.9395472	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.32000	-8946.561
5.0	2.28000	-5353.083
10.0	4.20000	-3437.414
25.0	9.96500	-236.414
50.0	18.93000	3320.130
75.0	5831.00000	6876.673
90.0	9863.50000	10077.673
95.0	13584.50000	11993.343
99.0	26000.00000	15586.821

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

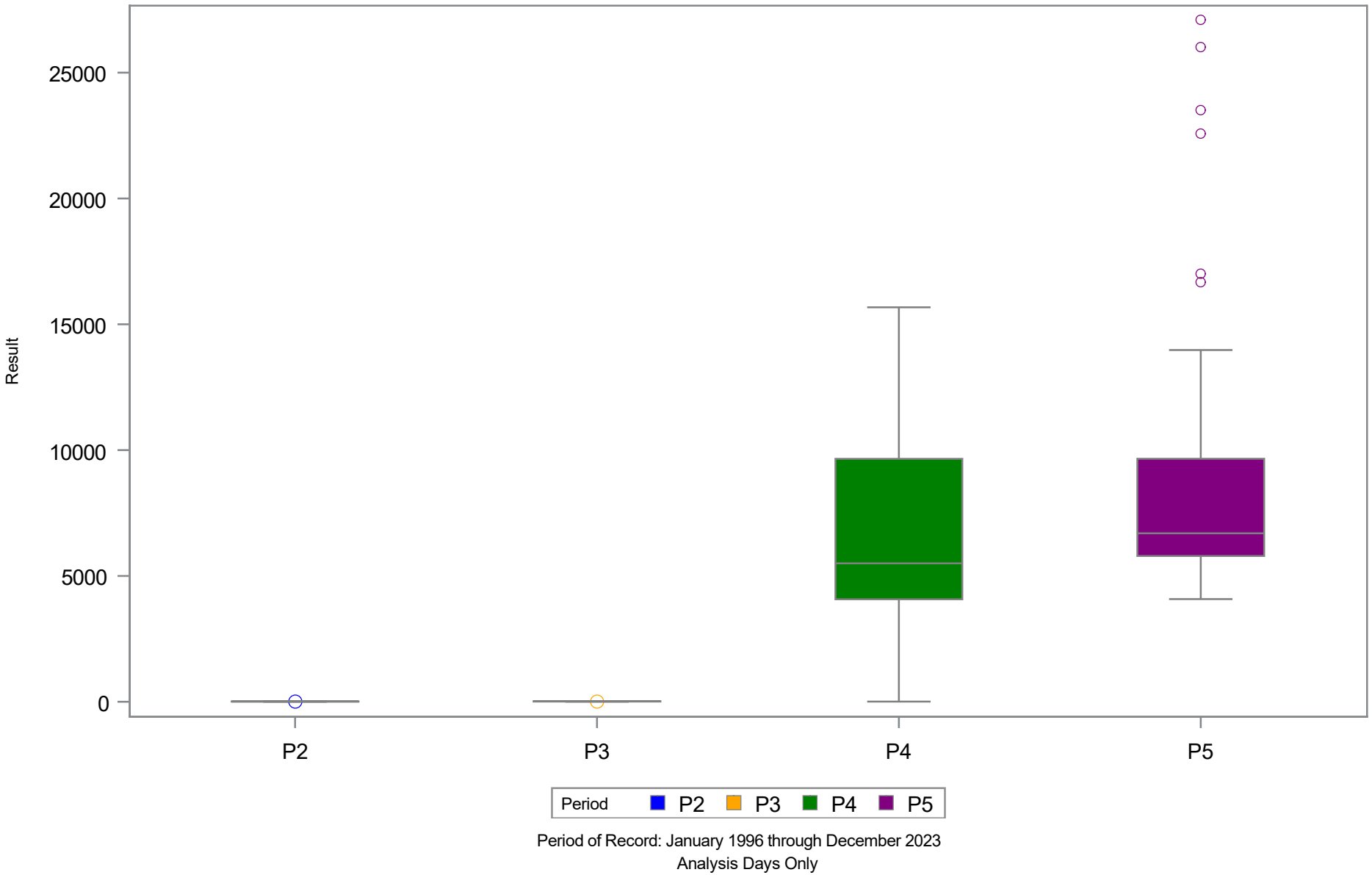
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	64	0.31	4.93	10.09	10.11	15.20	23.59
P3	43	1.77	9.62	15.35	14.49	22.15	26.75
P4	28	7.48	4073.00	6585.09	5501.50	9653.00	15675.00
P5	45	4080.00	5793.00	9154.11	6695.00	9656.00	27103.00

Period of Record: January 1996 through December 2023
Analysis Days Only

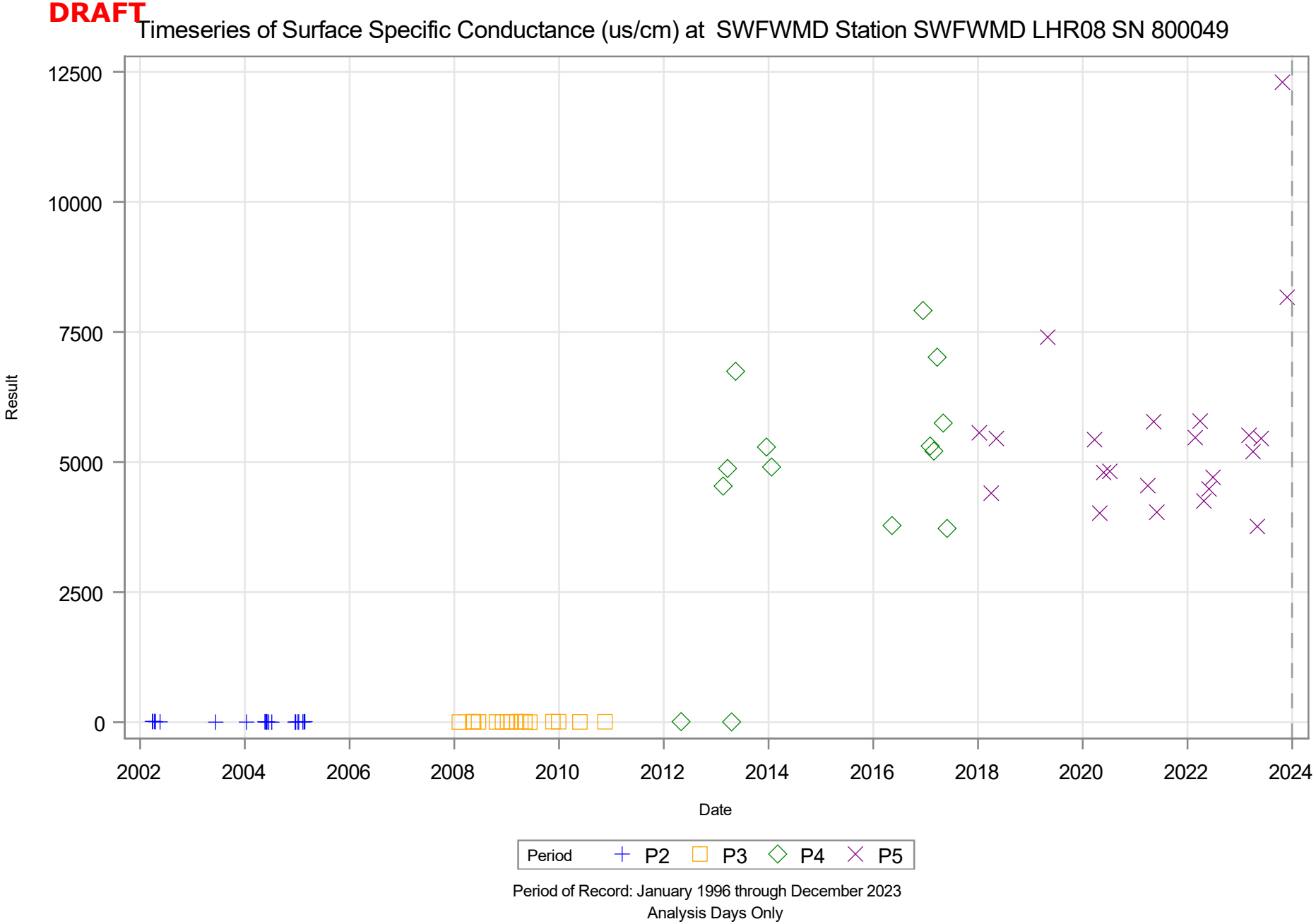
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049



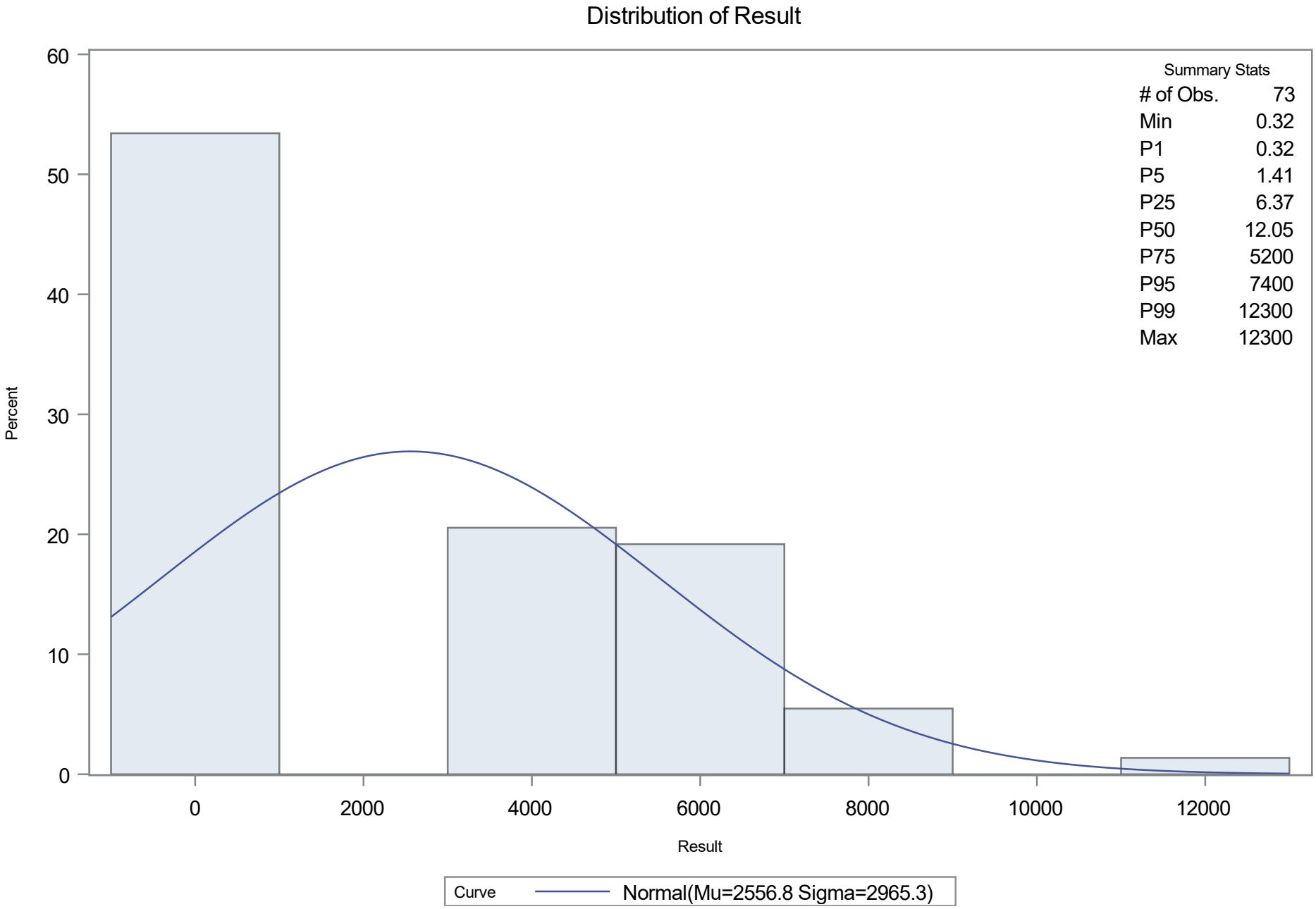
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2556.764
Std Dev	Sigma	2965.28

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.33868887	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.27545334	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.25299774	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.32000	-4341.510
5.0	1.41000	-2320.689
10.0	3.40000	-1243.396
25.0	6.37000	556.712
50.0	12.05000	2556.764
75.0	5200.00000	4556.815
90.0	5776.00000	6356.923
95.0	7400.00000	7434.216
99.0	12300.00000	9455.038

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

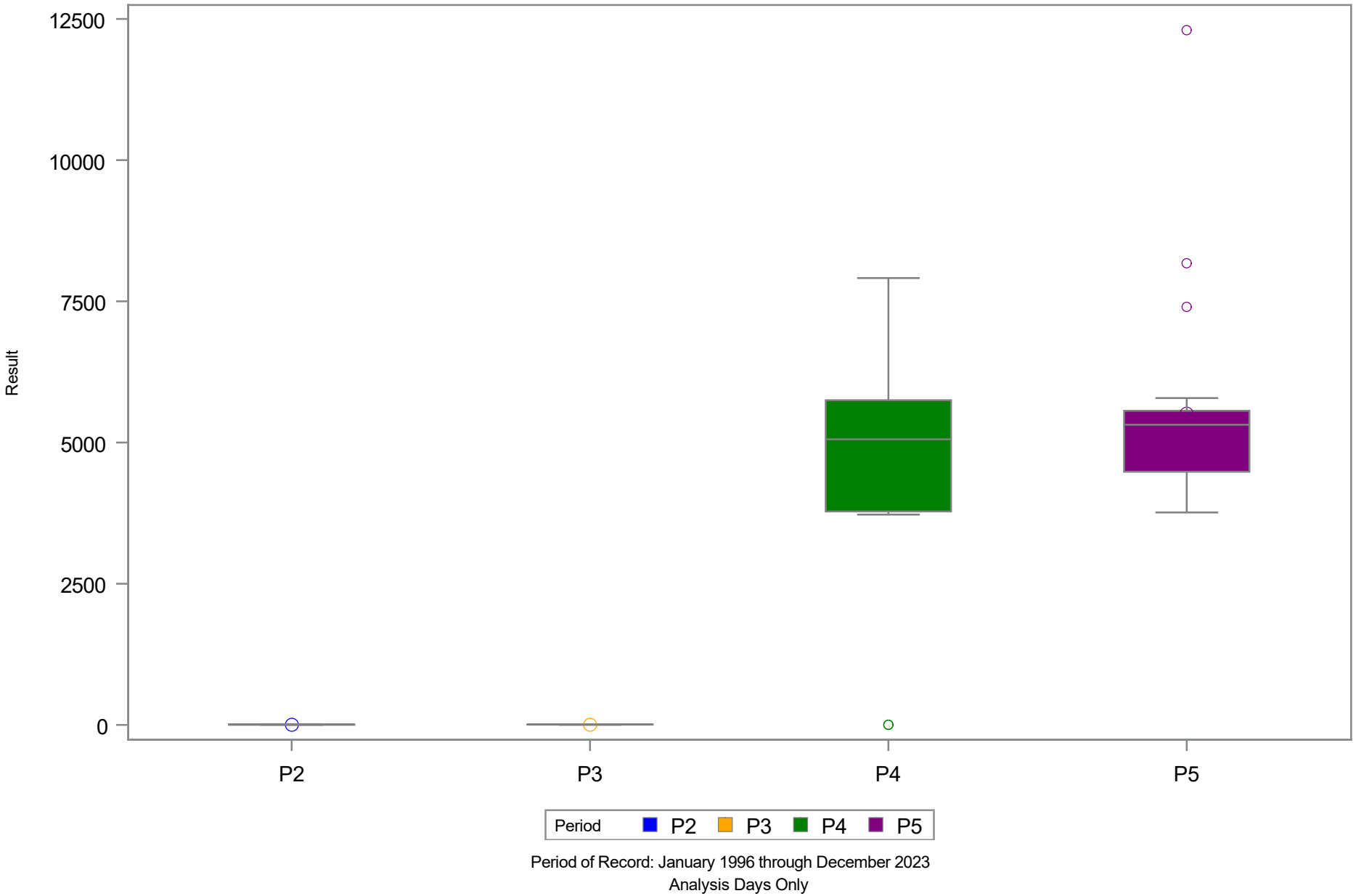
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.32	2.24	6.21	6.33	8.78	13.75
P3	16	1.41	5.42	6.94	7.09	9.14	10.44
P4	14	5.40	3780.00	4647.67	5057.50	5749.00	7912.00
P5	22	3762.00	4483.00	5515.23	5315.00	5562.00	12300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

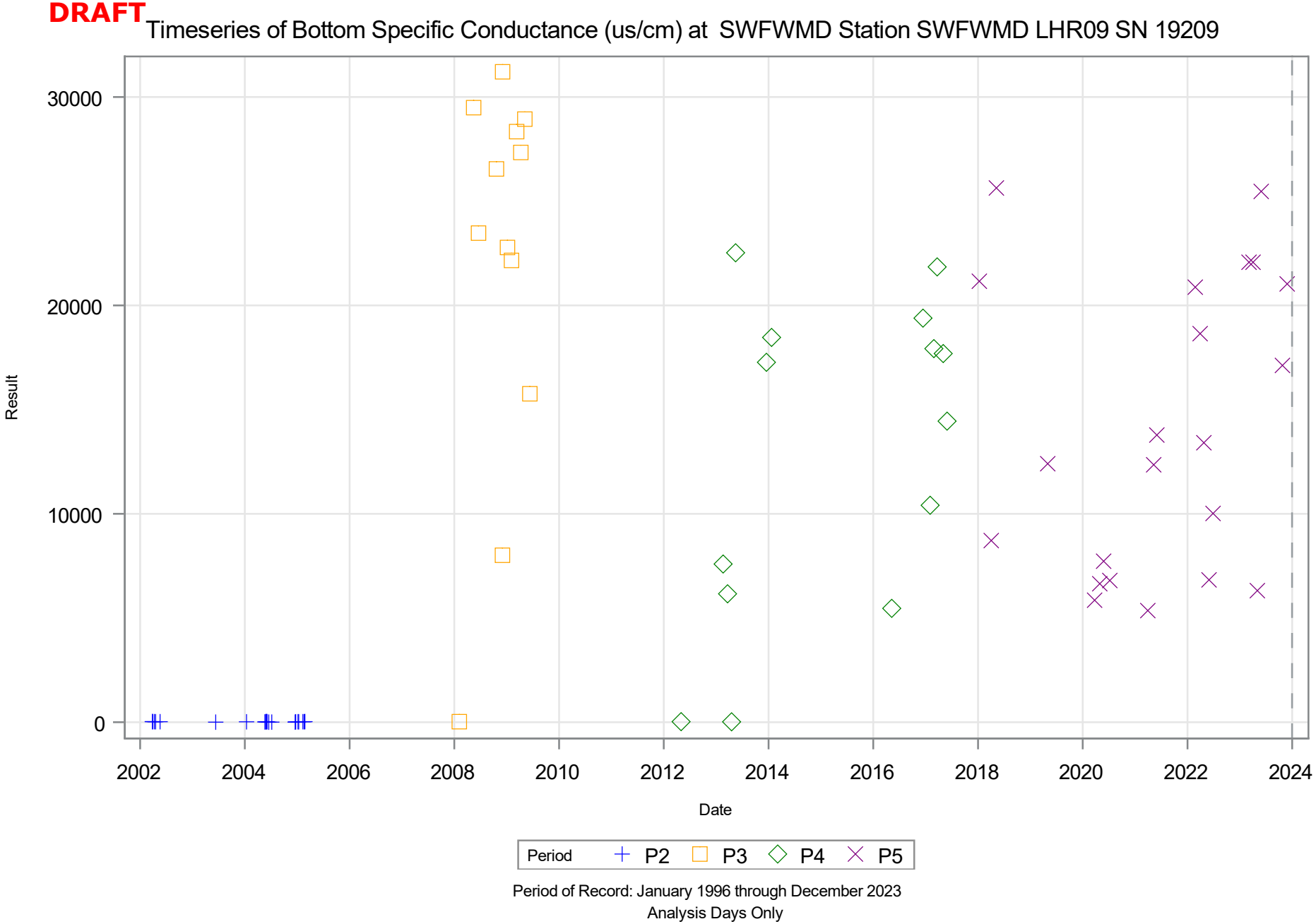
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR08 SN 800049



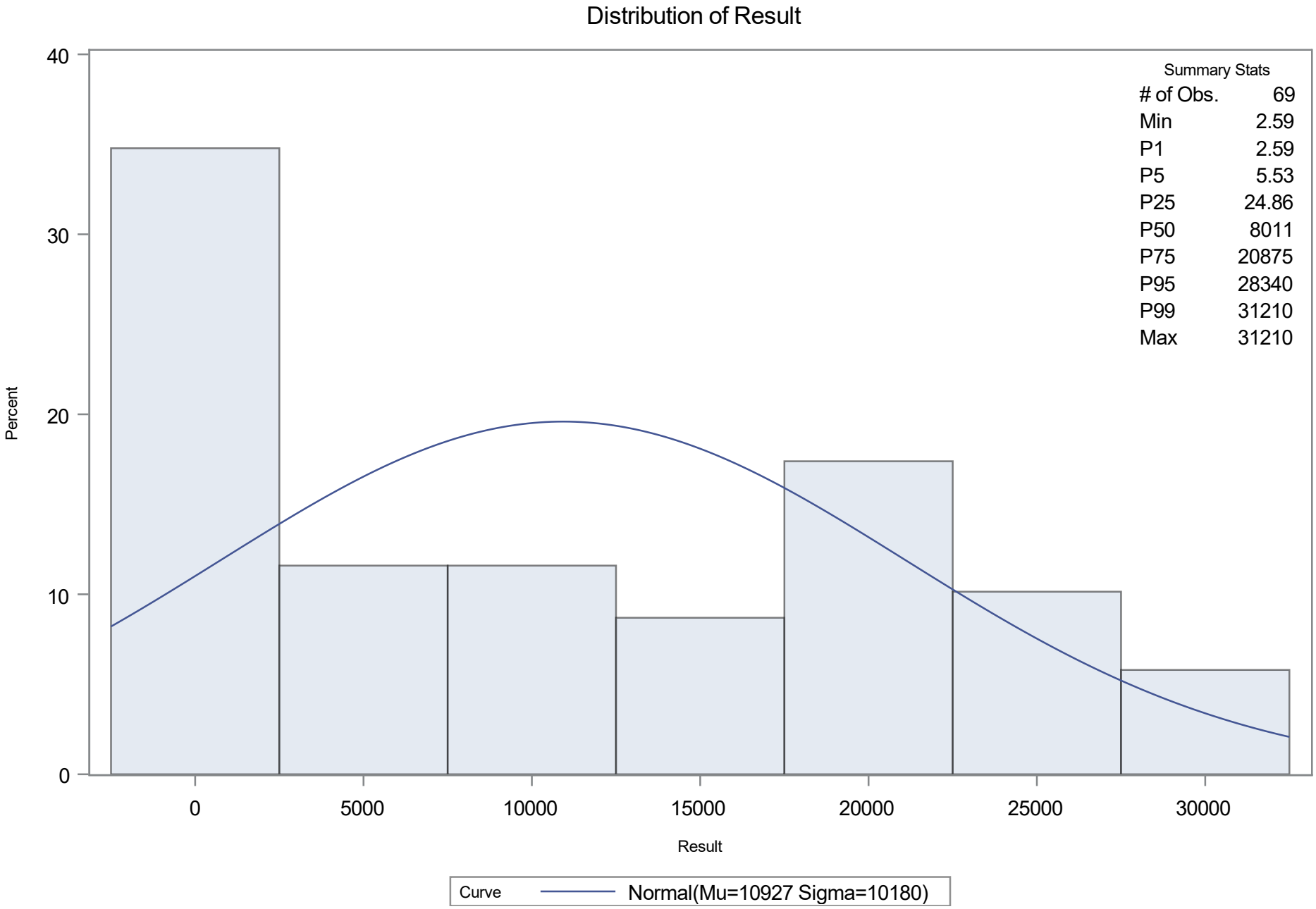
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
30000
20000
10000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10927.42
Std Dev	Sigma	10179.6

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20568995	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.45014013	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.03365678	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.59000	-12753.87
5.0	5.53000	-5816.53
10.0	18.41000	-2118.26
25.0	24.86000	4061.39
50.0	8011.00000	10927.42
75.0	20875.00000	17793.46
90.0	25636.00000	23973.11
95.0	28340.00000	27671.38
99.0	31210.00000	34608.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

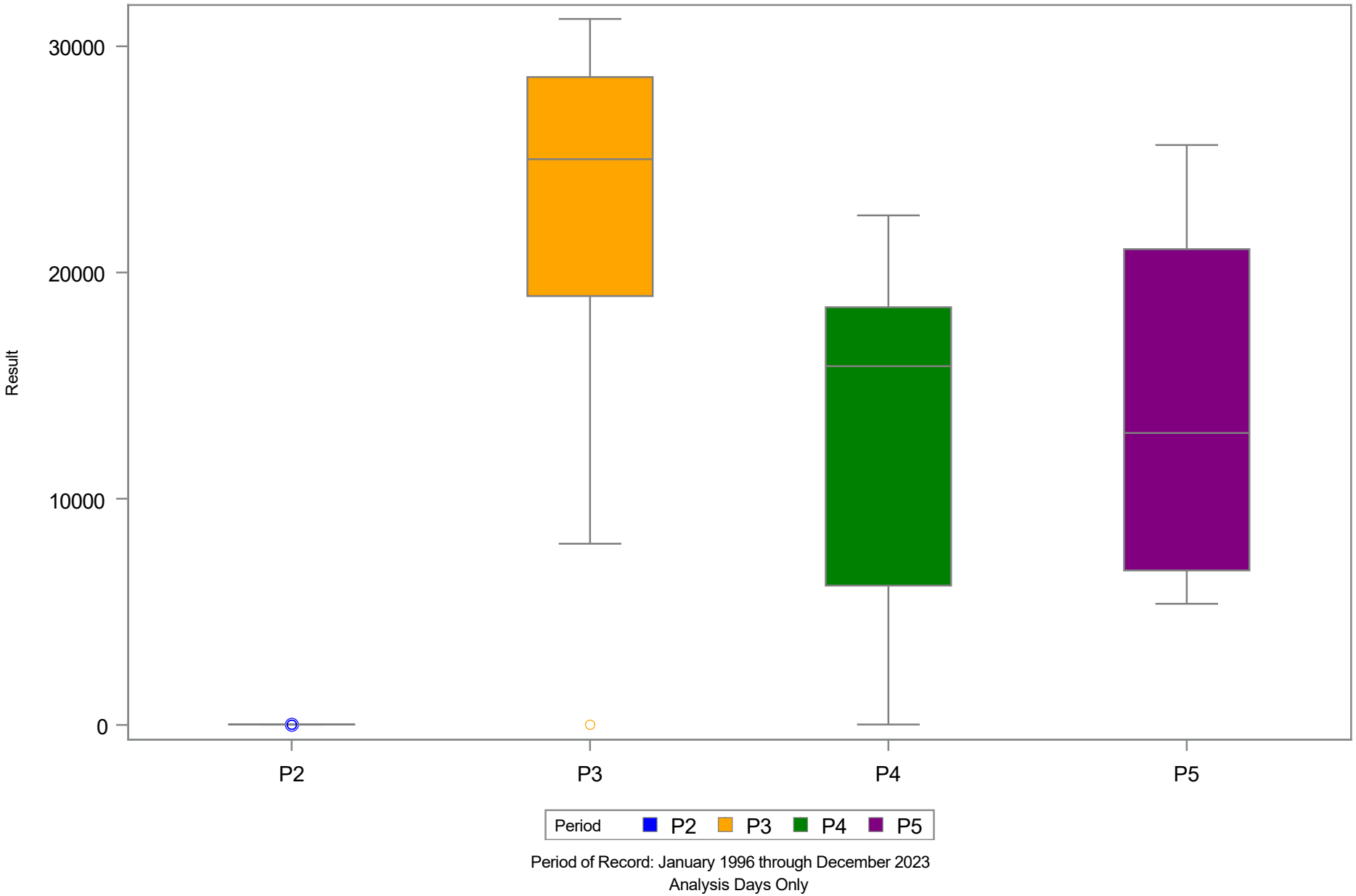
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	2.59	18.41	19.22	23.28	24.42	27.40
P3	12	25.48	18960.00	22006.37	25010.00	28640.00	31210.00
P4	14	18.00	6161.00	12802.02	15858.50	18464.00	22525.00
P5	22	5356.00	6830.00	14103.82	12906.50	21032.00	25636.00

Period of Record: January 1996 through December 2023
Analysis Days Only

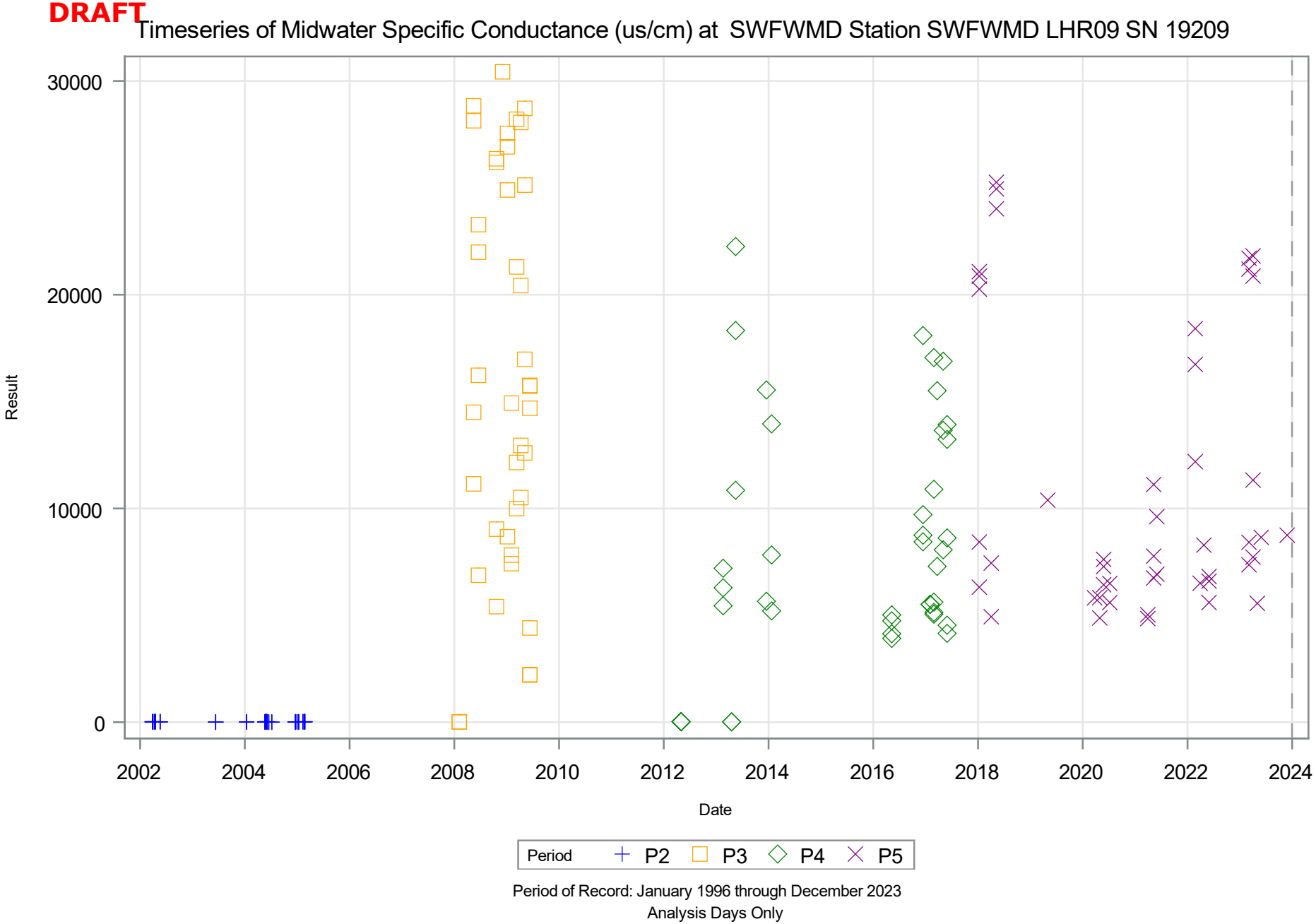
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209



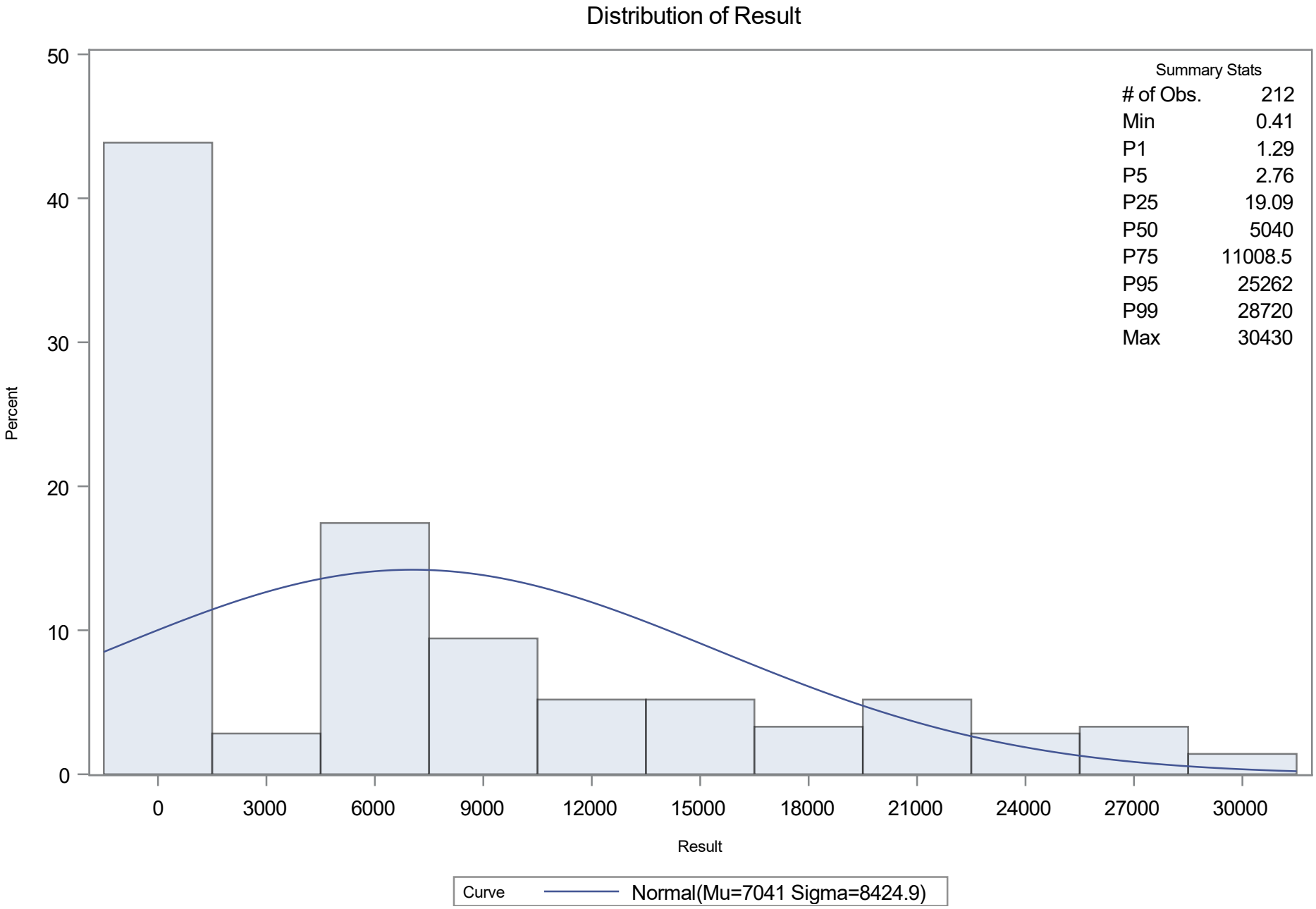
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209
30000
20000
10000
0
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7040.962
Std Dev	Sigma	8424.863

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2361230	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.3664773	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.5726020	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.29000	-12558.20
5.0	2.76000	-6816.70
10.0	10.28000	-3755.93
25.0	19.09000	1358.48
50.0	5040.00000	7040.96
75.0	11008.50000	12723.45
90.0	21200.00000	17837.86
95.0	25262.00000	20898.63
99.0	28720.00000	26640.12

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

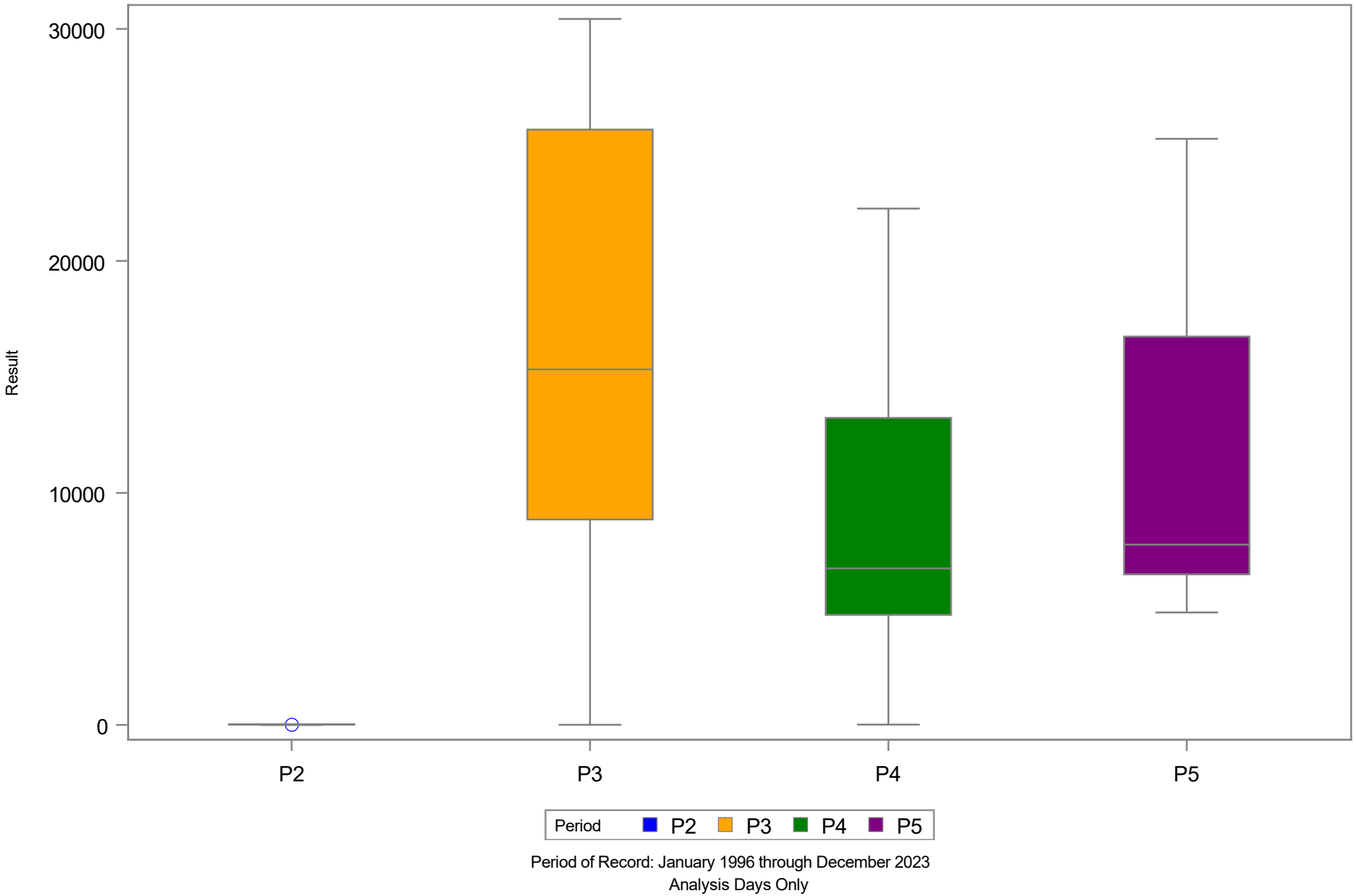
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	85	0.41	10.46	15.57	17.53	23.21	27.05
P3	40	5.39	8856.00	16217.93	15325.00	25660.00	30430.00
P4	42	13.44	4745.00	8146.77	6746.00	13232.00	22256.00
P5	45	4848.00	6492.00	11121.76	7770.00	16740.00	25262.00

Period of Record: January 1996 through December 2023
Analysis Days Only

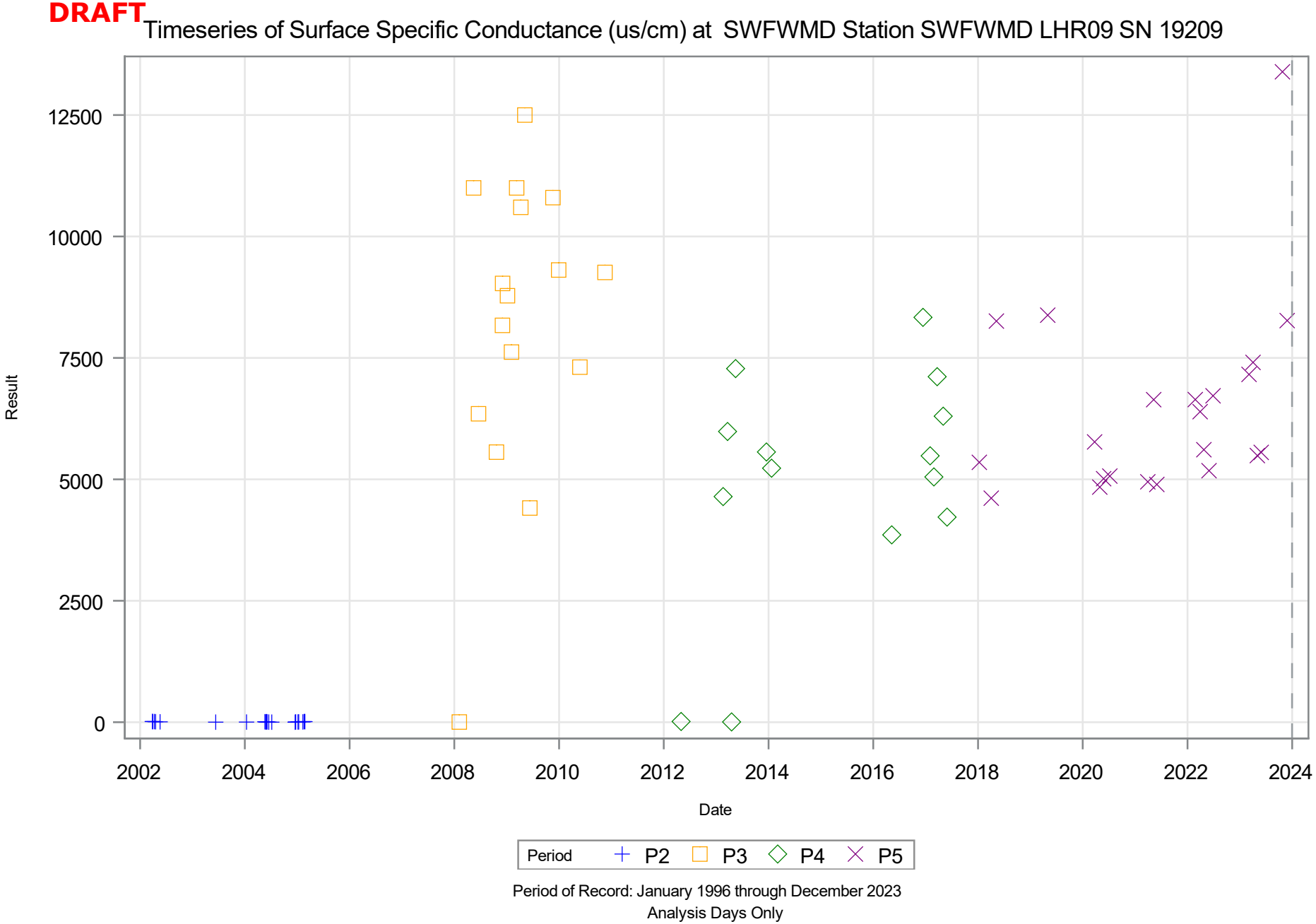
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209



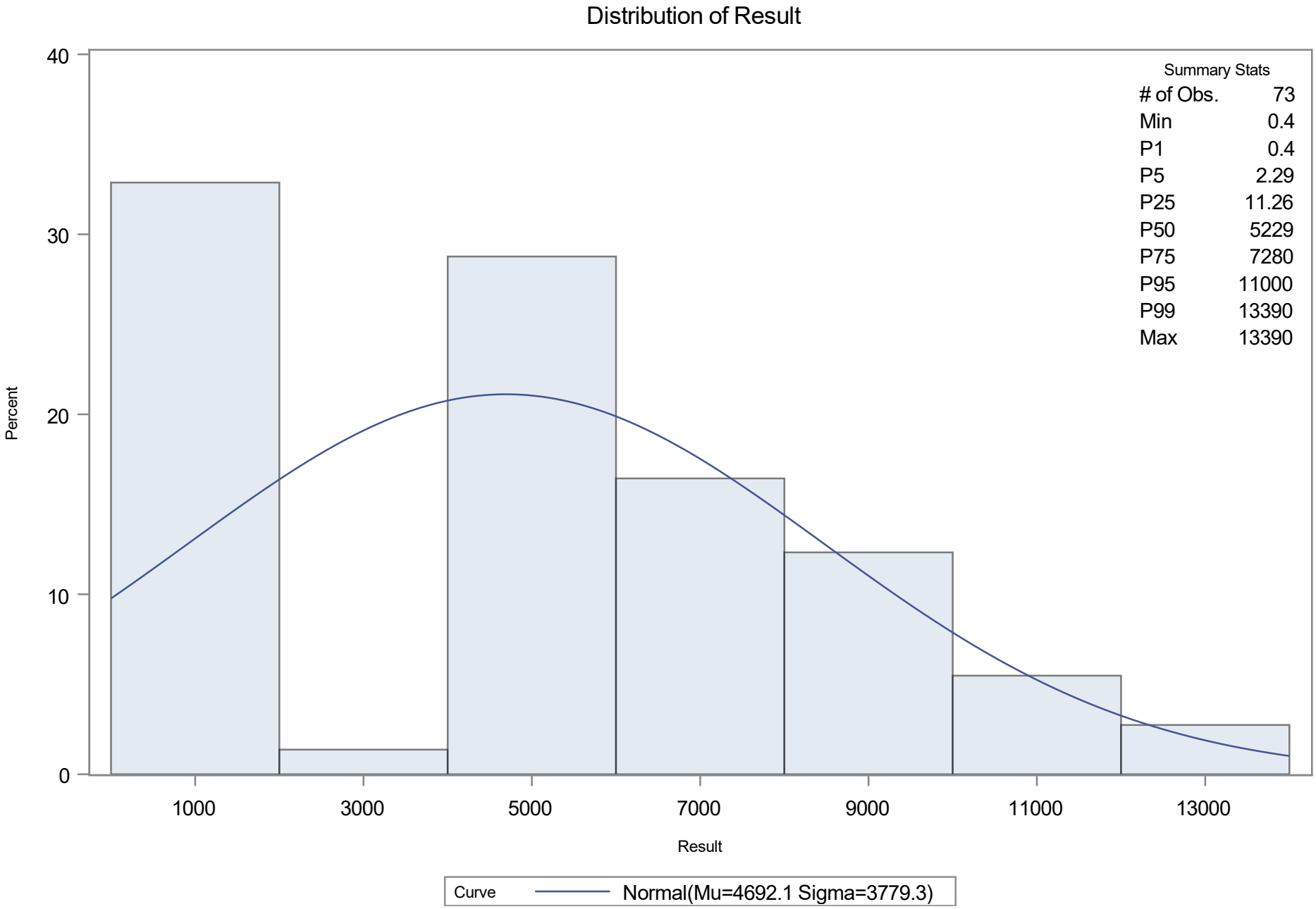
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4692.145
Std Dev	Sigma	3779.33

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22084701	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.41816216	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.01459795	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.40000	-4099.891
5.0	2.29000	-1524.299
10.0	5.14000	-151.261
25.0	11.26000	2143.026
50.0	5229.00000	4692.145
75.0	7280.00000	7241.265
90.0	9260.00000	9535.552
95.0	11000.00000	10908.590
99.0	13390.00000	13484.182

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

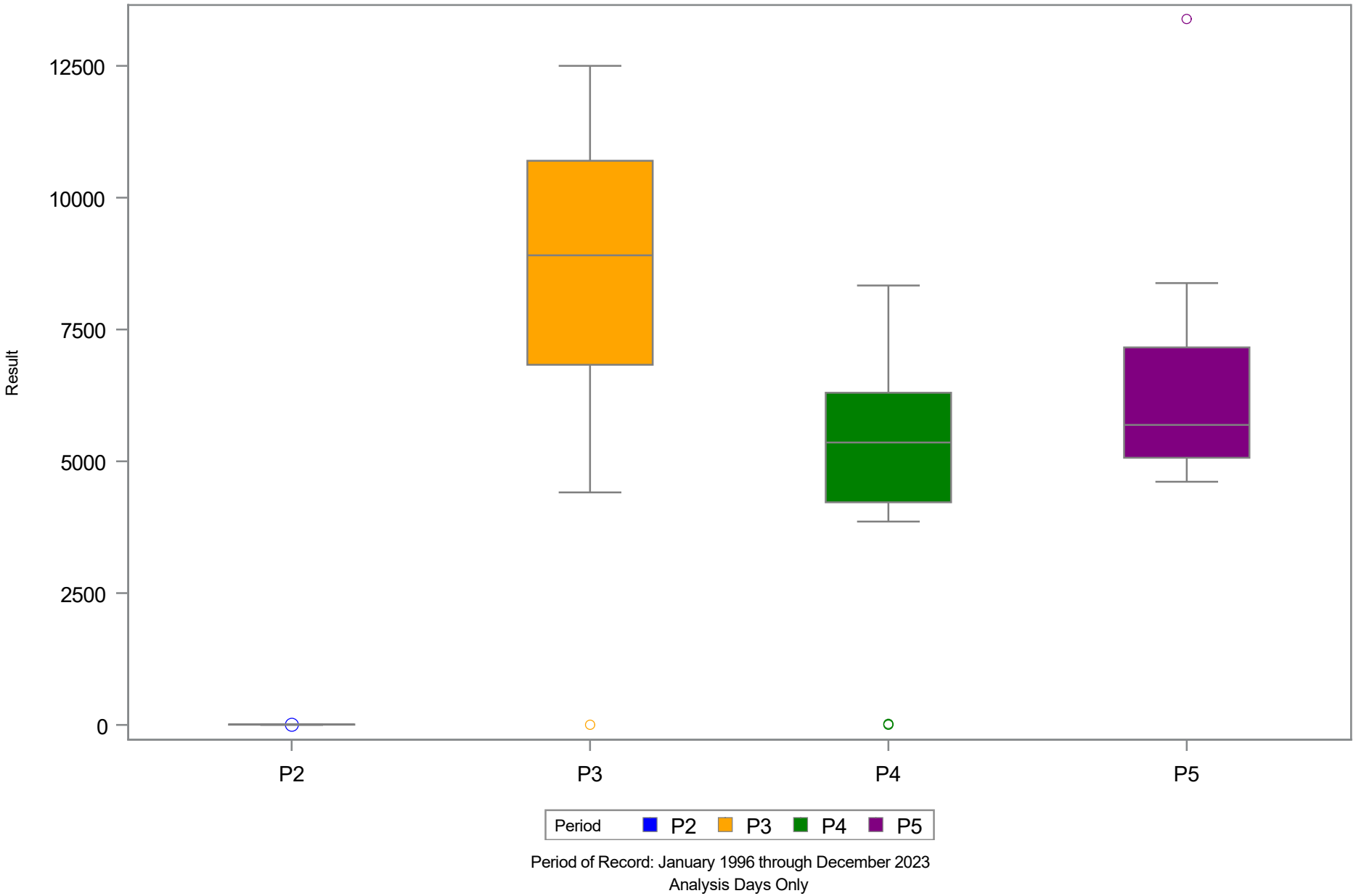
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.40	4.49	7.14	7.12	9.90	13.56
P3	16	4.05	6830.00	8231.69	8906.50	10700.00	12500.00
P4	14	5.63	4222.90	4934.54	5356.75	6299.80	8334.30
P5	22	4612.00	5067.00	6435.73	5690.00	7160.00	13390.00

Period of Record: January 1996 through December 2023
Analysis Days Only

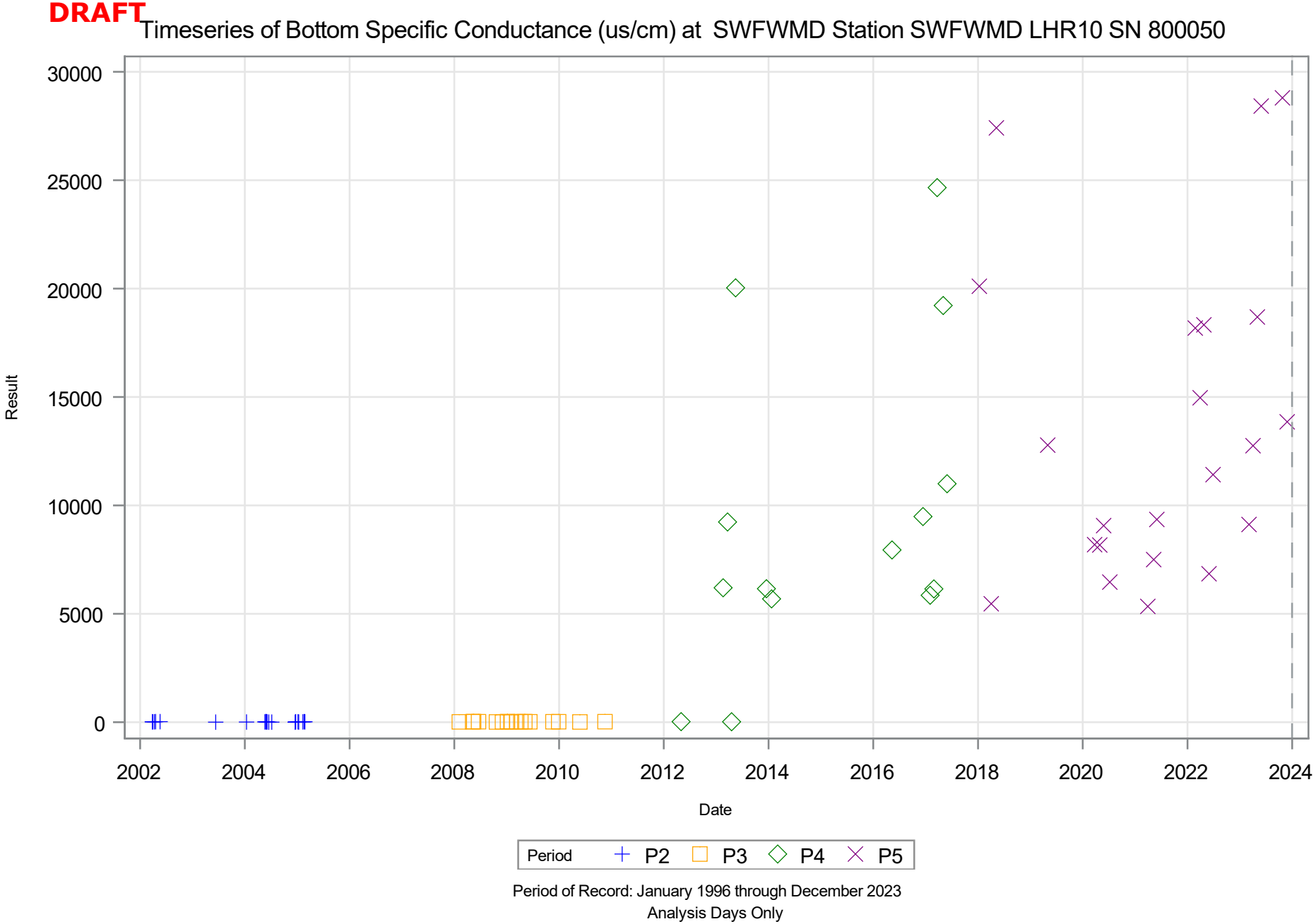
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR09 SN 19209



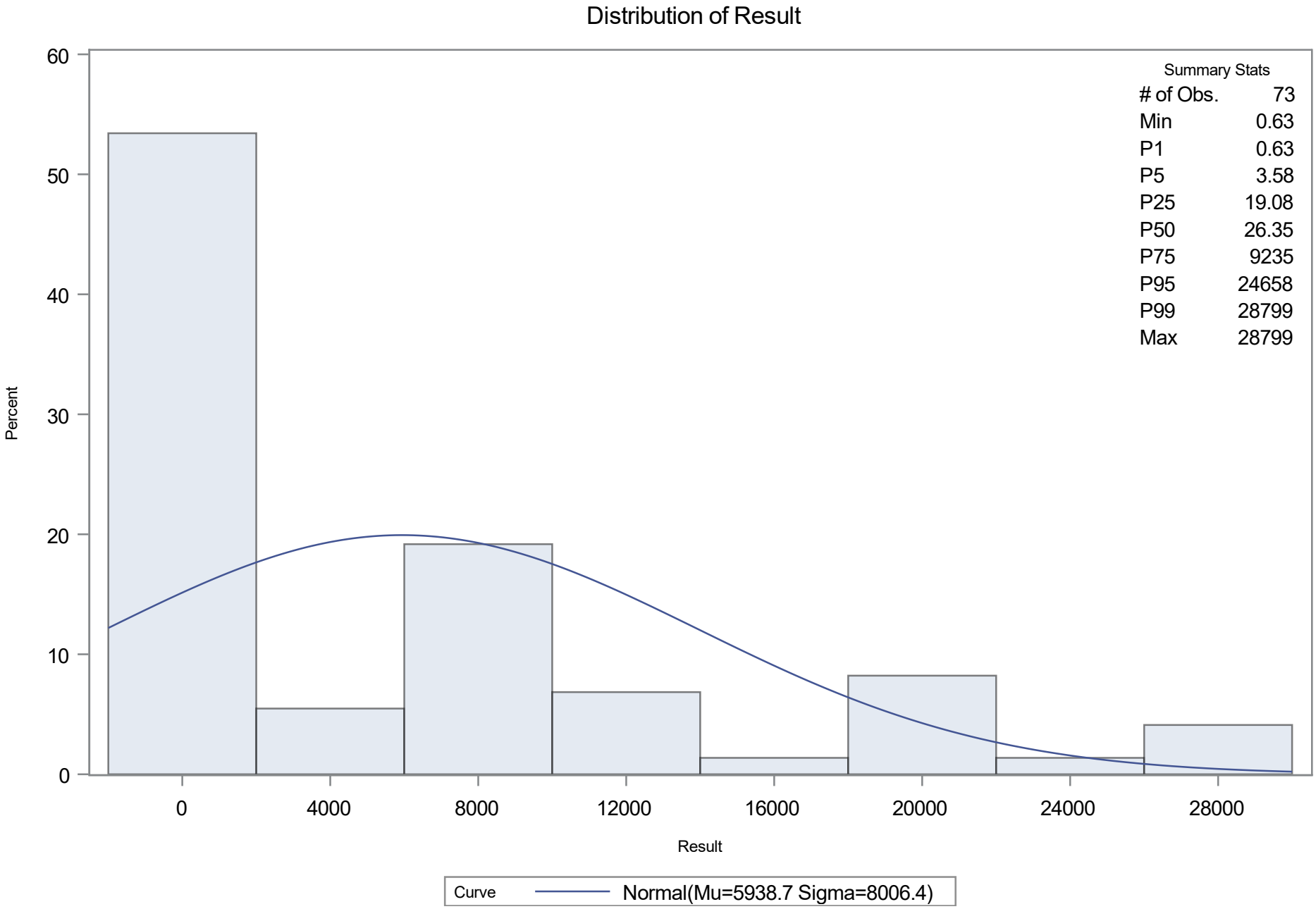
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
30000
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5938.664
Std Dev	Sigma	8006.375

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30401134	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.14656383	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.68248262	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.63000	-12686.948
5.0	3.58000	-7230.650
10.0	11.20000	-4321.918
25.0	19.08000	538.446
50.0	26.35000	5938.664
75.0	9235.00000	11338.882
90.0	18690.00000	16199.246
95.0	24658.00000	19107.978
99.0	28799.00000	24564.276

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

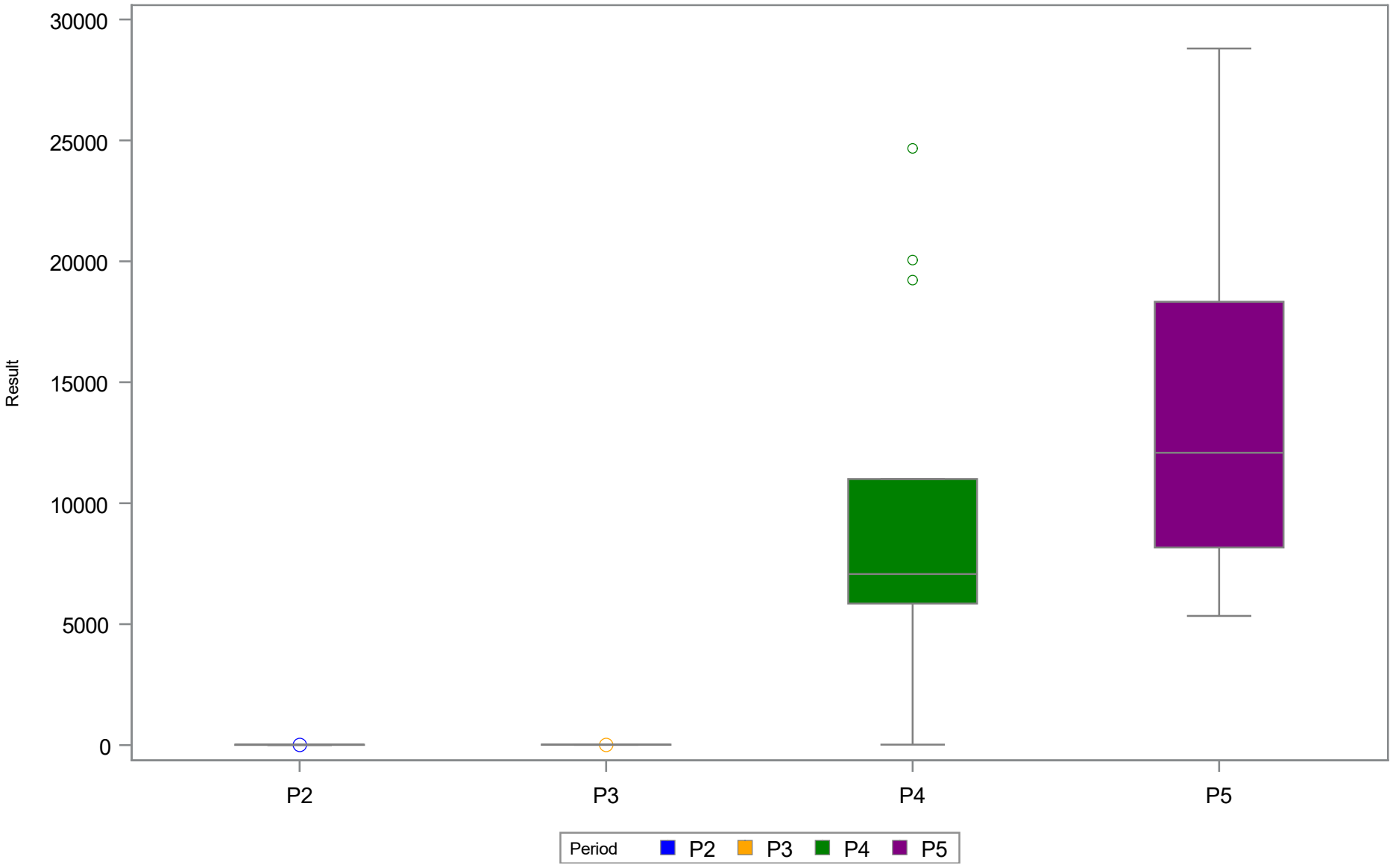
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.63	8.23	14.95	16.97	19.55	25.59
P3	16	10.20	13.95	19.69	20.51	23.41	29.38
P4	14	20.00	5854.00	9405.11	7072.50	10999.00	24658.00
P5	22	5341.00	8172.00	13691.91	12086.00	18328.00	28799.00

Period of Record: January 1996 through December 2023
Analysis Days Only

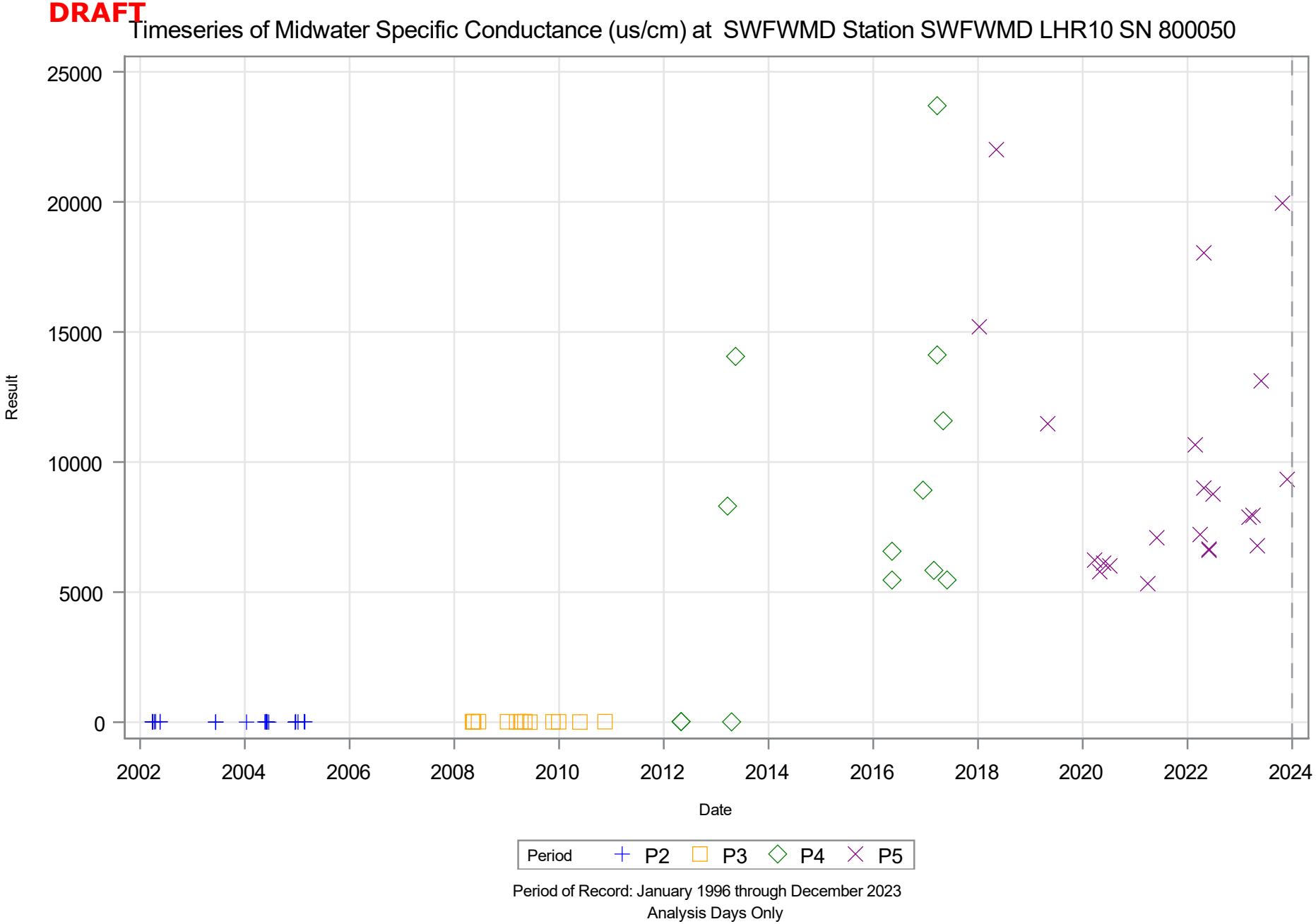
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050



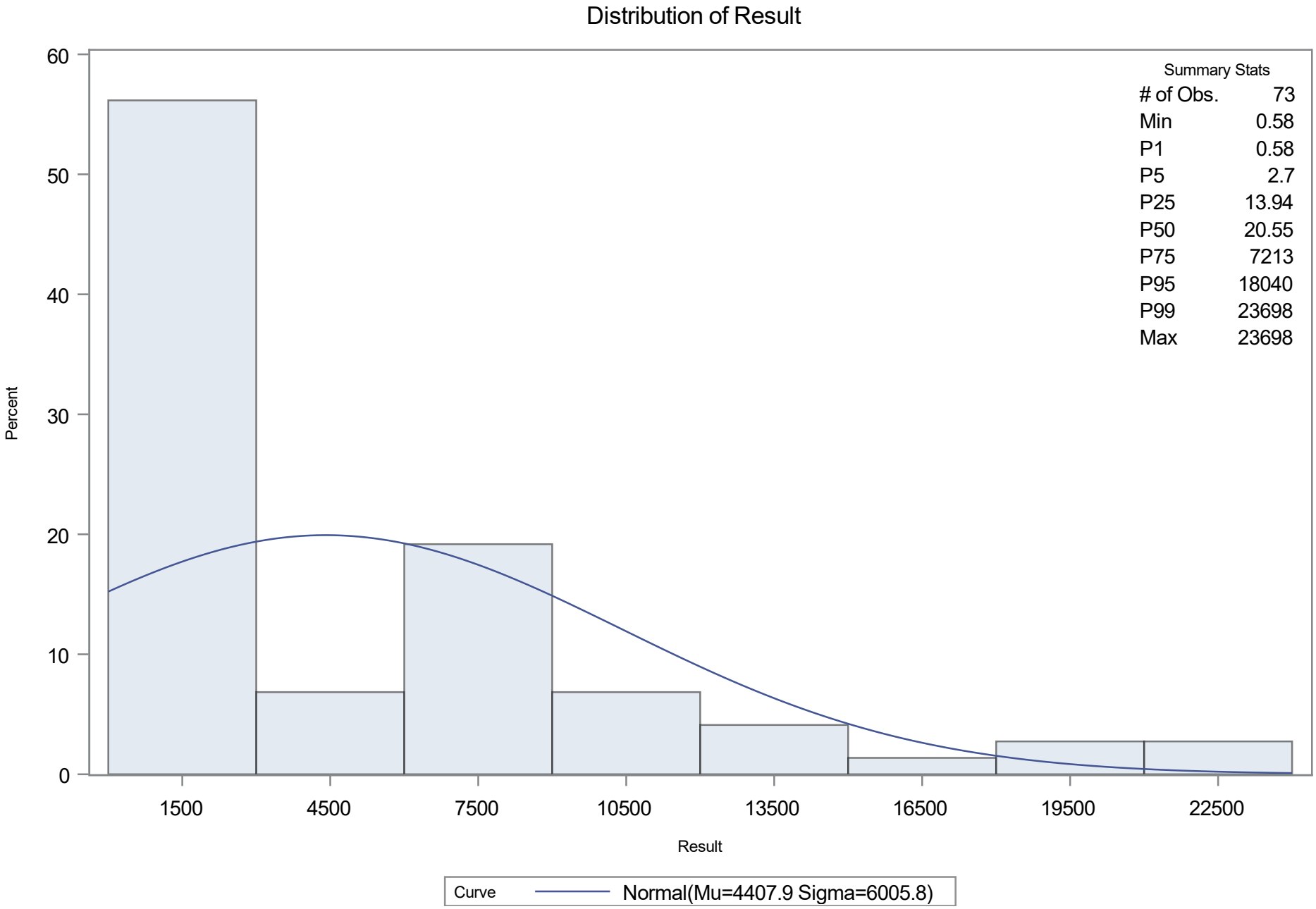
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4407.88
Std Dev	Sigma	6005.826

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.32887328	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.21791676	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.95991942	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.58000	-9563.760
5.0	2.70000	-5470.824
10.0	8.14000	-3288.895
25.0	13.94000	357.012
50.0	20.55000	4407.880
75.0	7213.00000	8458.748
90.0	13120.00000	12104.656
95.0	18040.00000	14286.585
99.0	23698.00000	18379.520

Period of Record: January 1996 through December 2023
Analysis Days Only

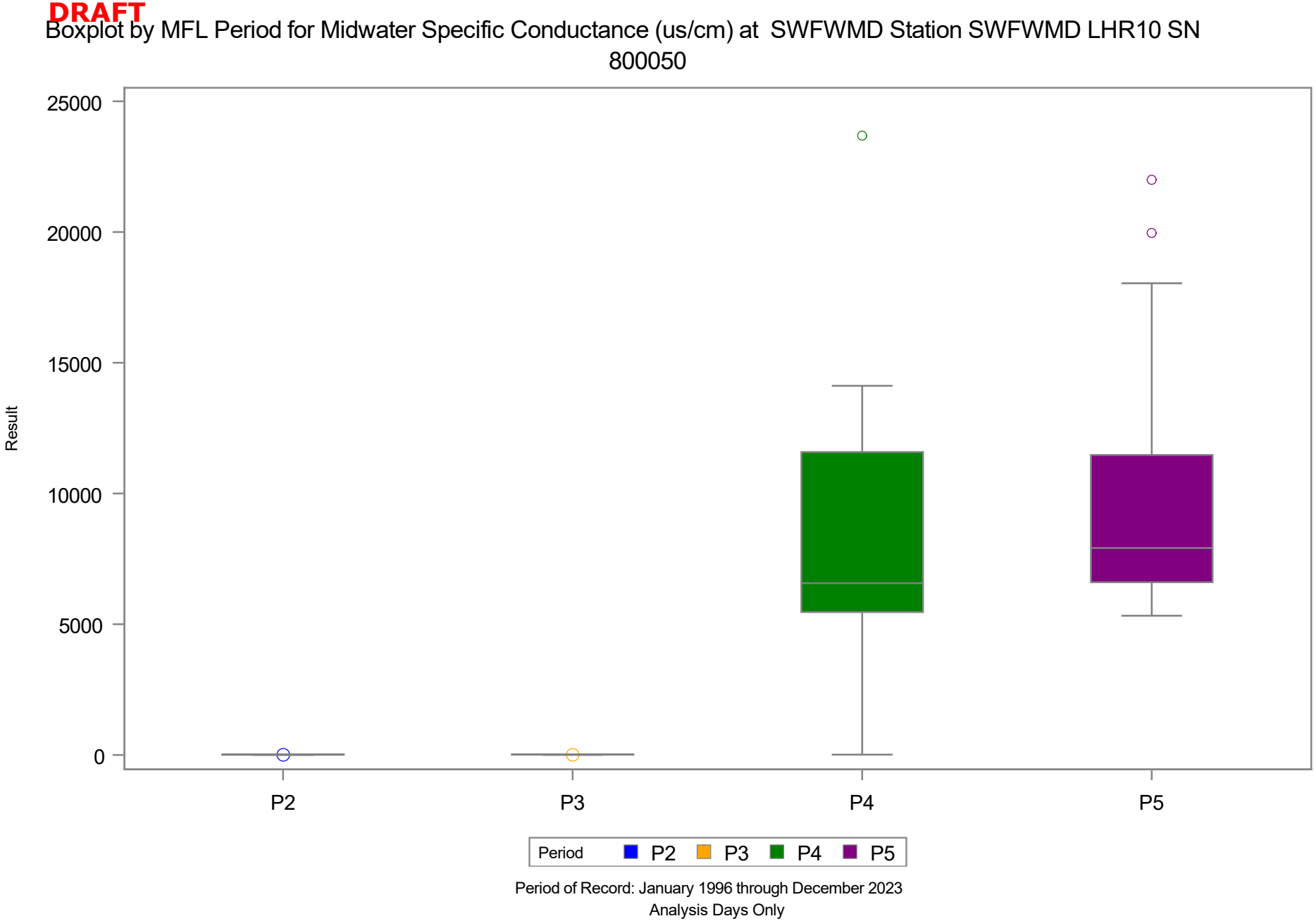
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050

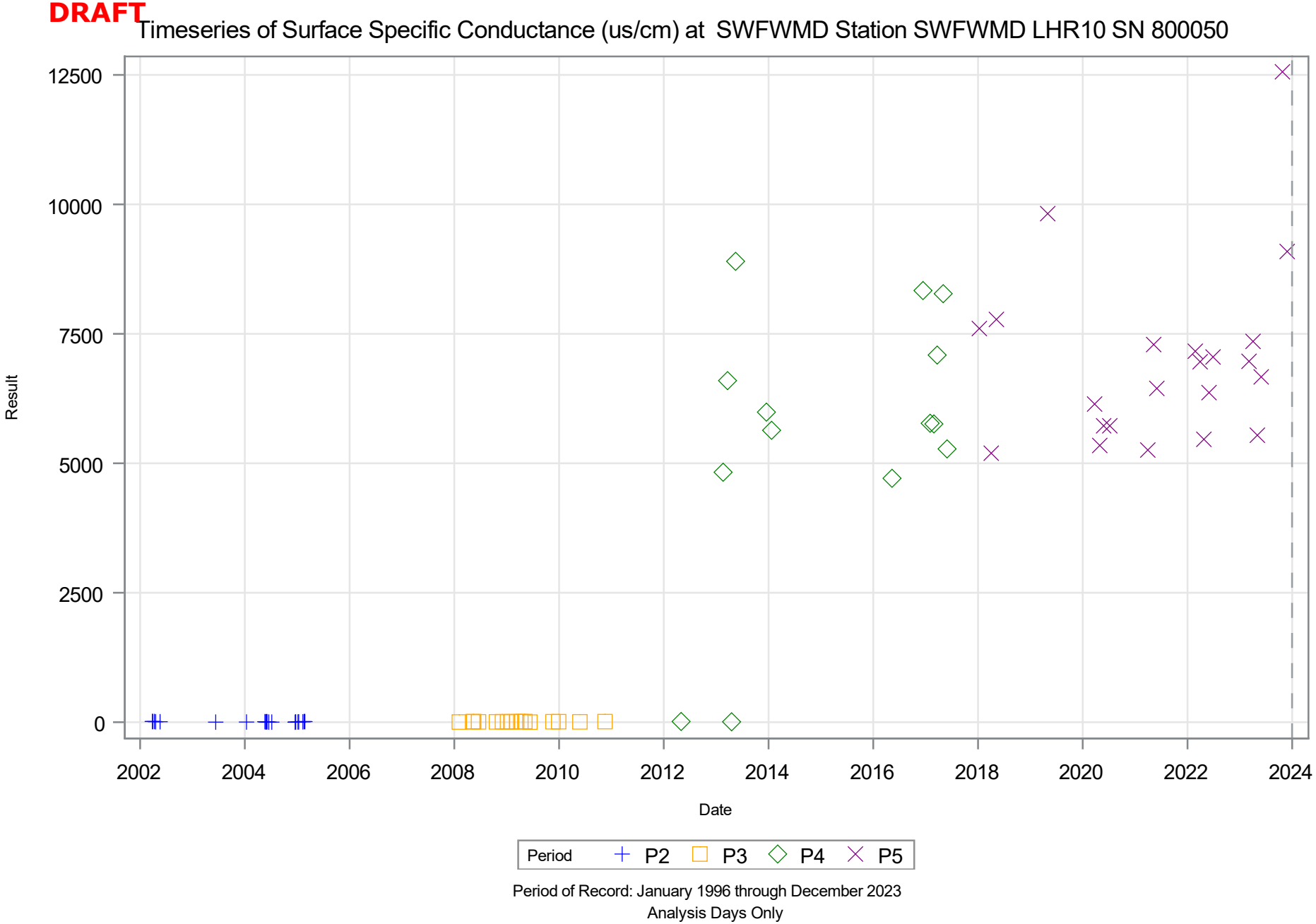
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.58	8.14	11.98	12.28	16.79	21.25
P3	13	2.70	12.06	14.76	17.01	18.43	20.61
P4	13	12.25	5465.00	8006.53	6570.00	11585.00	23698.00
P5	22	5326.00	6607.00	9872.68	7915.00	11473.00	22010.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

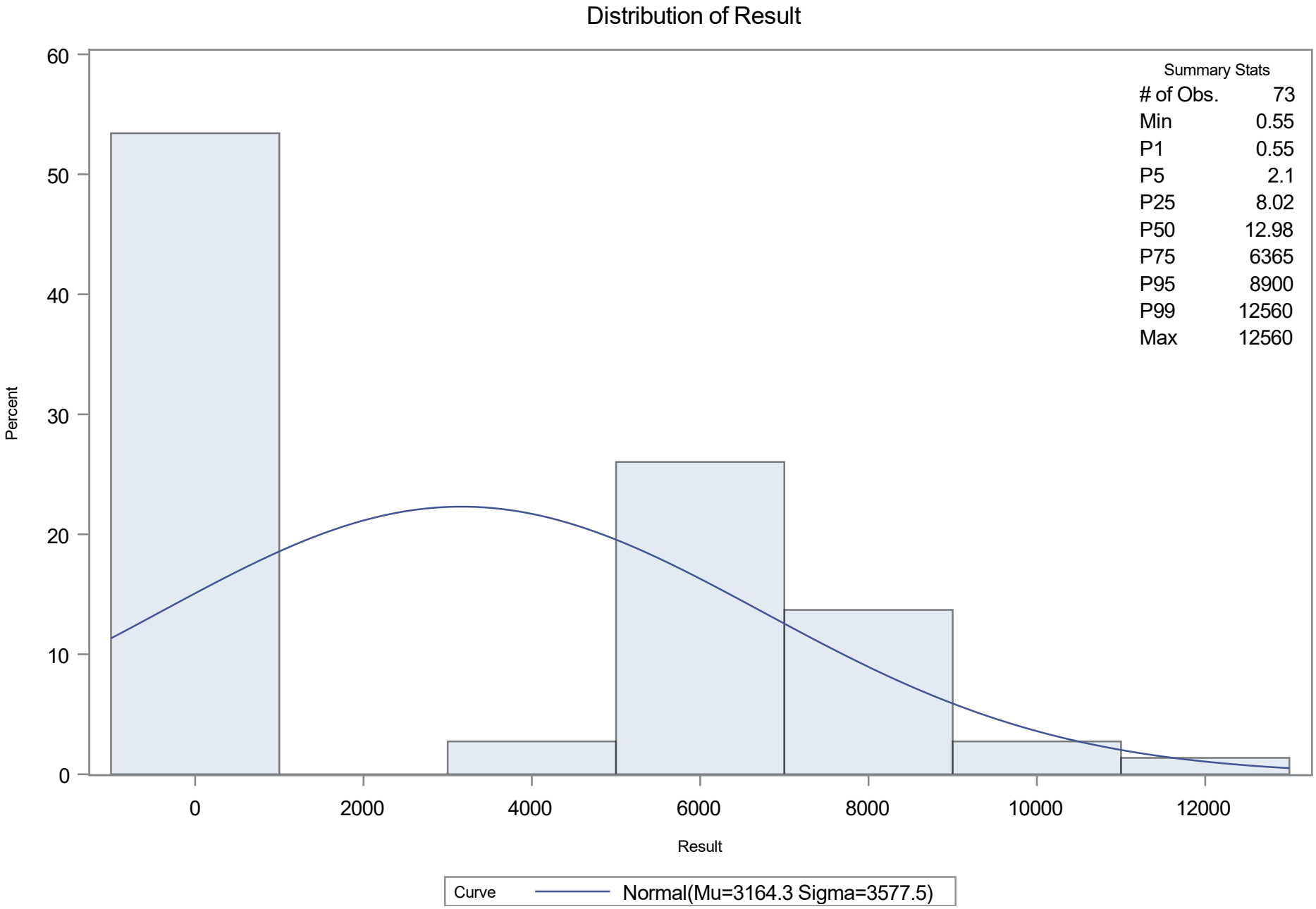

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
25000
20000
15000
10000
5000
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3164.348
Std Dev	Sigma	3577.494

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34499885	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.35858406	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.69636015	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.55000	-5158.147
5.0	2.10000	-2720.105
10.0	4.25000	-1420.395
25.0	8.02000	751.365
50.0	12.98000	3164.348
75.0	6365.00000	5577.331
90.0	7602.00000	7749.091
95.0	8900.00000	9048.802
99.0	12560.00000	11486.843

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

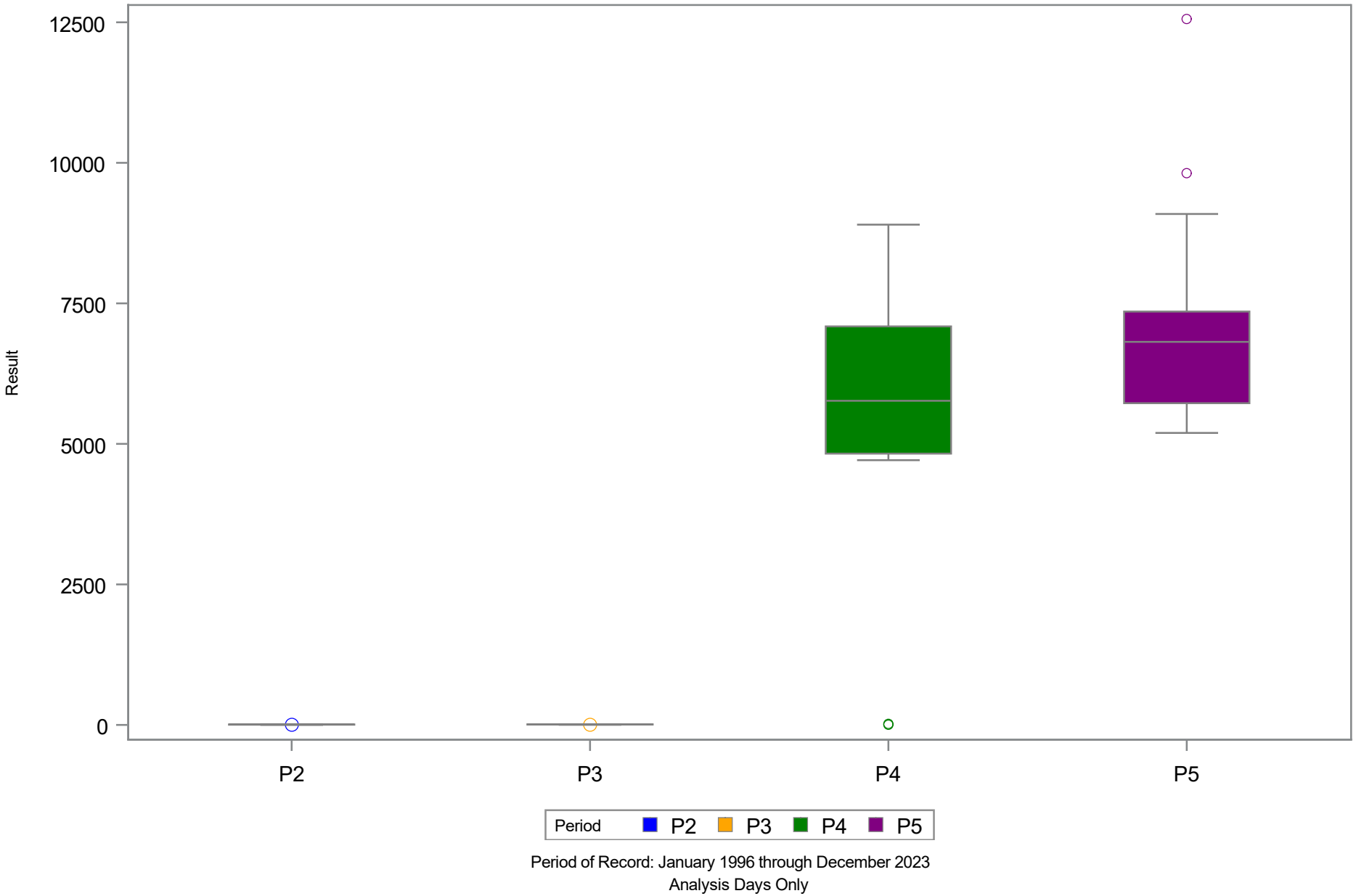
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.55	4.25	7.33	7.93	9.19	13.03
P3	16	2.10	7.13	8.50	8.66	10.63	12.40
P4	14	7.83	4827.00	5513.68	5766.50	7090.00	8900.00
P5	22	5195.00	5724.00	6978.00	6814.50	7354.00	12560.00

Period of Record: January 1996 through December 2023
Analysis Days Only

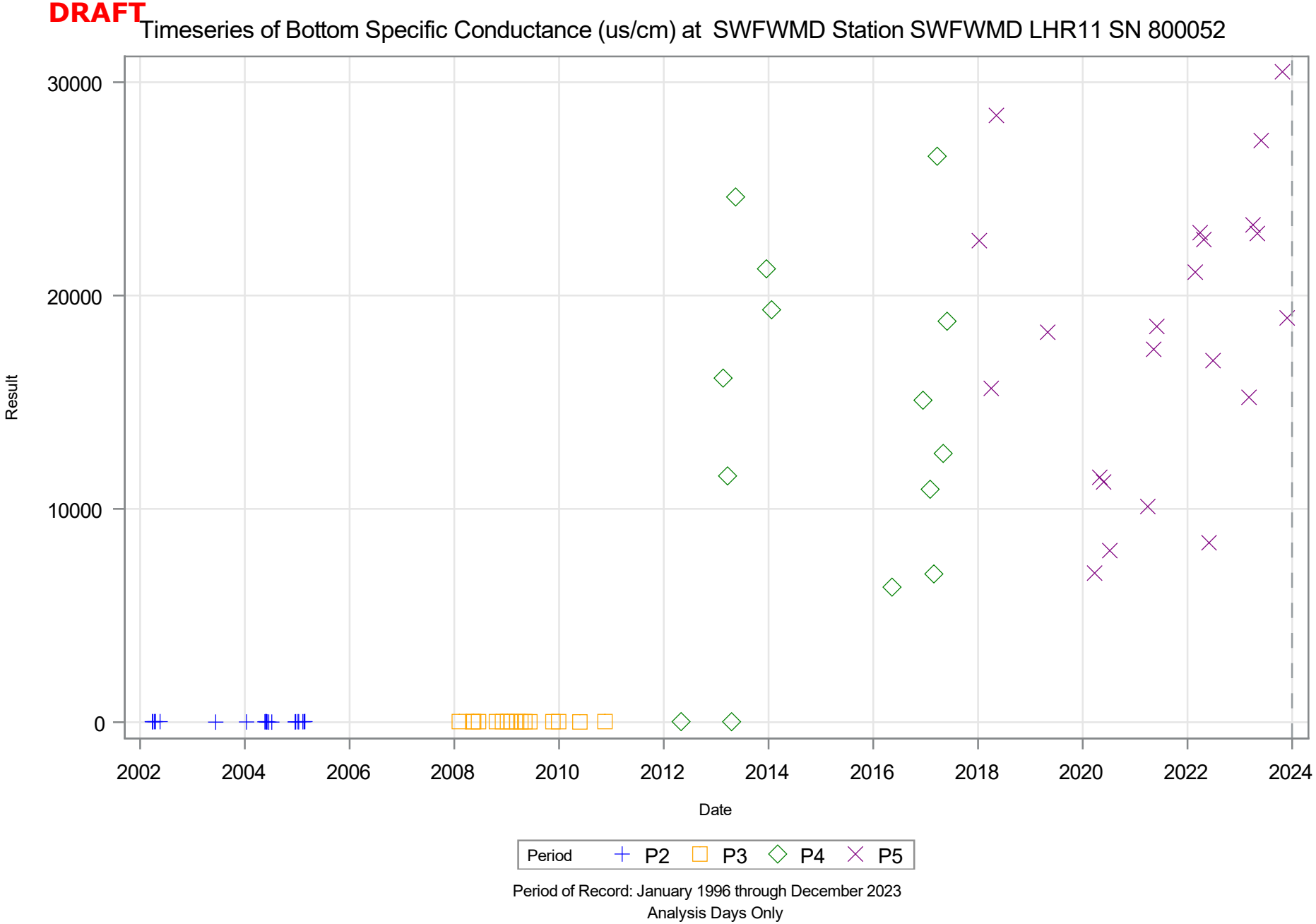
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR10 SN 800050



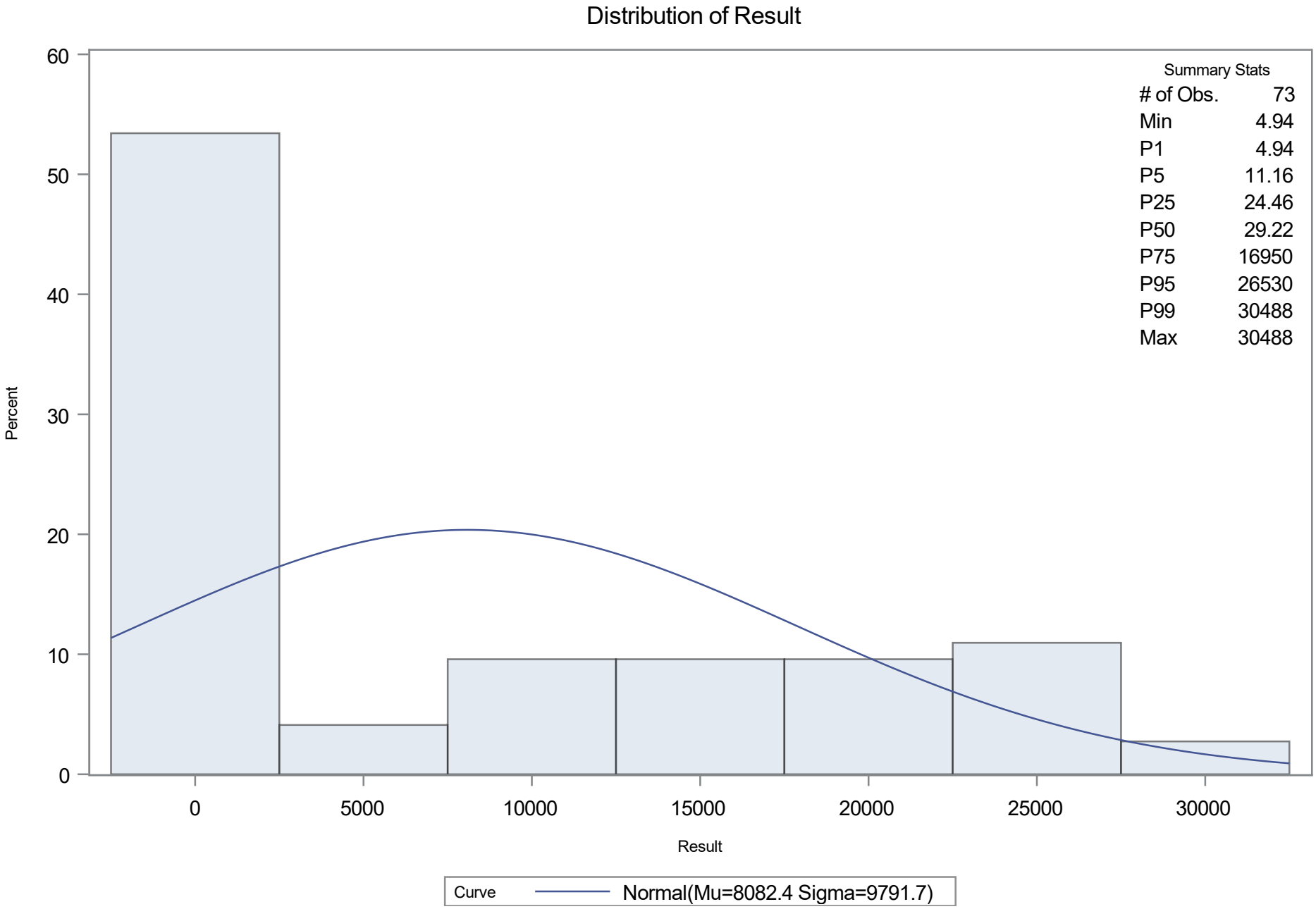
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052
30000
20000
10000
0
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8082.368
Std Dev	Sigma	9791.723

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.32877674	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.18862937	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.86595227	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.94000	-14696.59
5.0	11.16000	-8023.58
10.0	17.02000	-4466.23
25.0	24.46000	1477.95
50.0	29.22000	8082.37
75.0	16950.00000	14686.79
90.0	22909.00000	20630.97
95.0	26530.00000	24188.32
99.0	30488.00000	30861.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

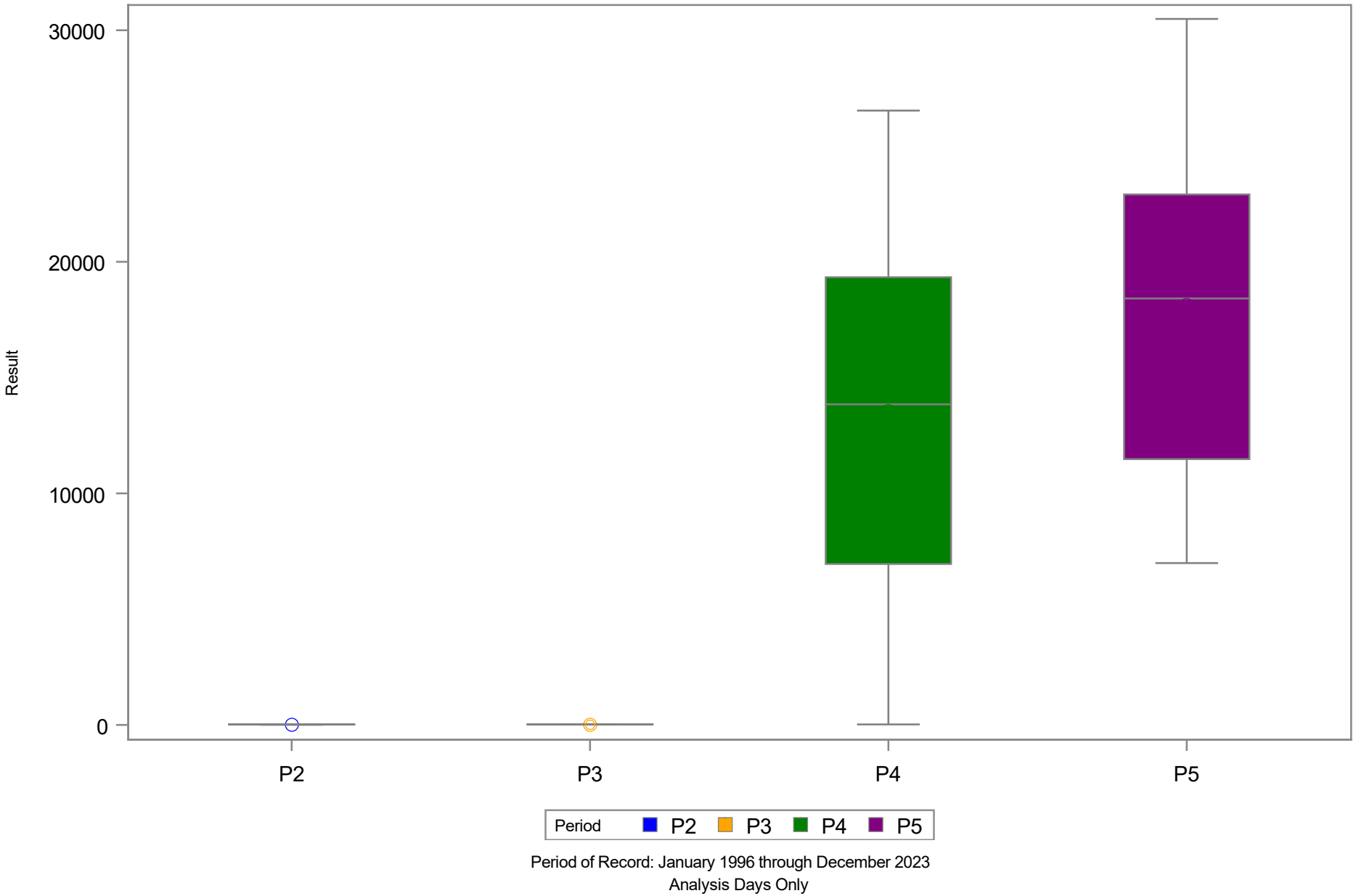
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	4.94	14.92	19.53	21.69	26.18	28.15
P3	16	13.41	23.20	25.50	26.02	28.82	31.21
P4	14	22.08	6951.00	13582.06	13845.50	19333.00	26530.00
P5	22	6990.00	11480.00	18138.45	18415.50	22909.00	30488.00

Period of Record: January 1996 through December 2023
Analysis Days Only

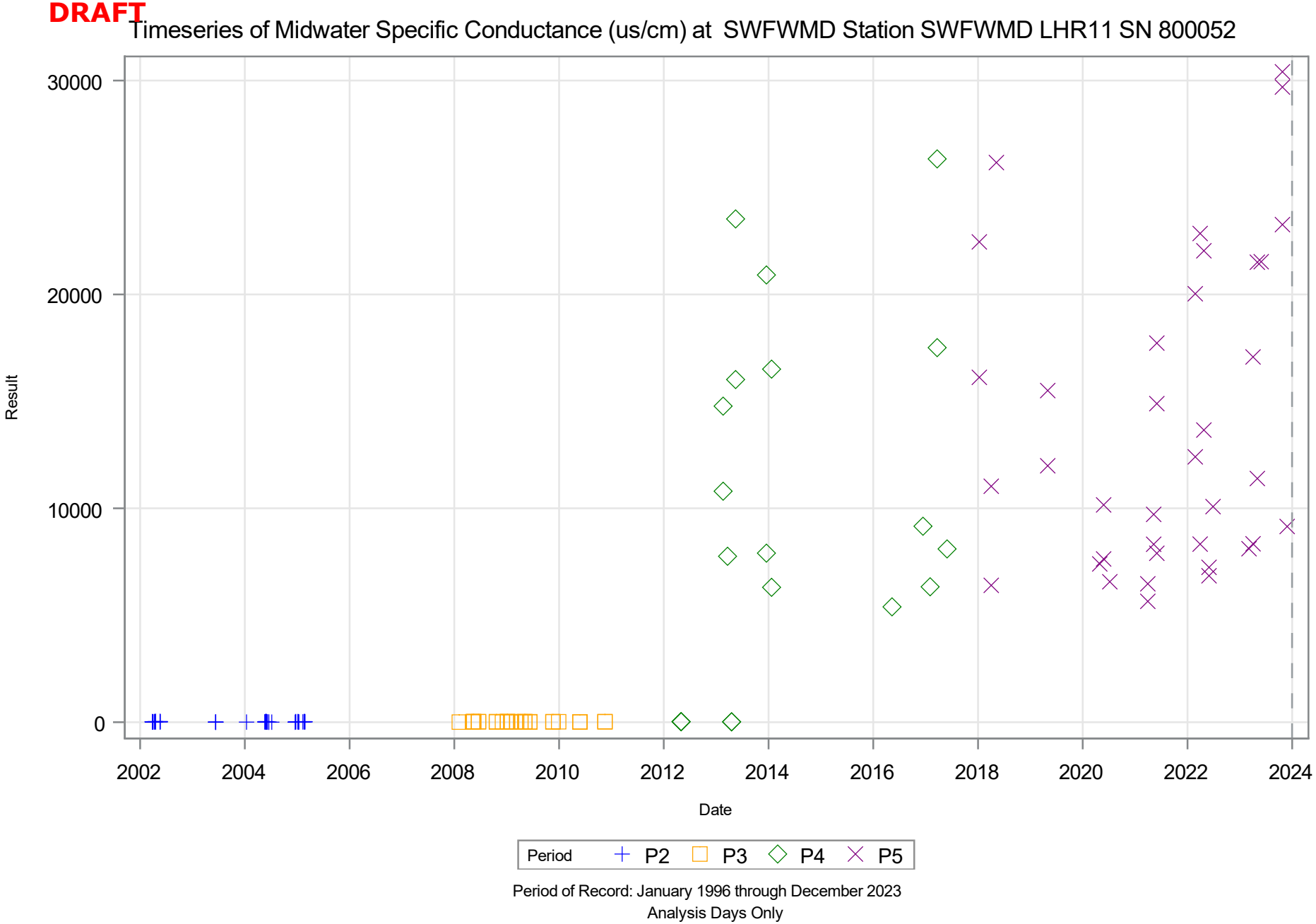
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052



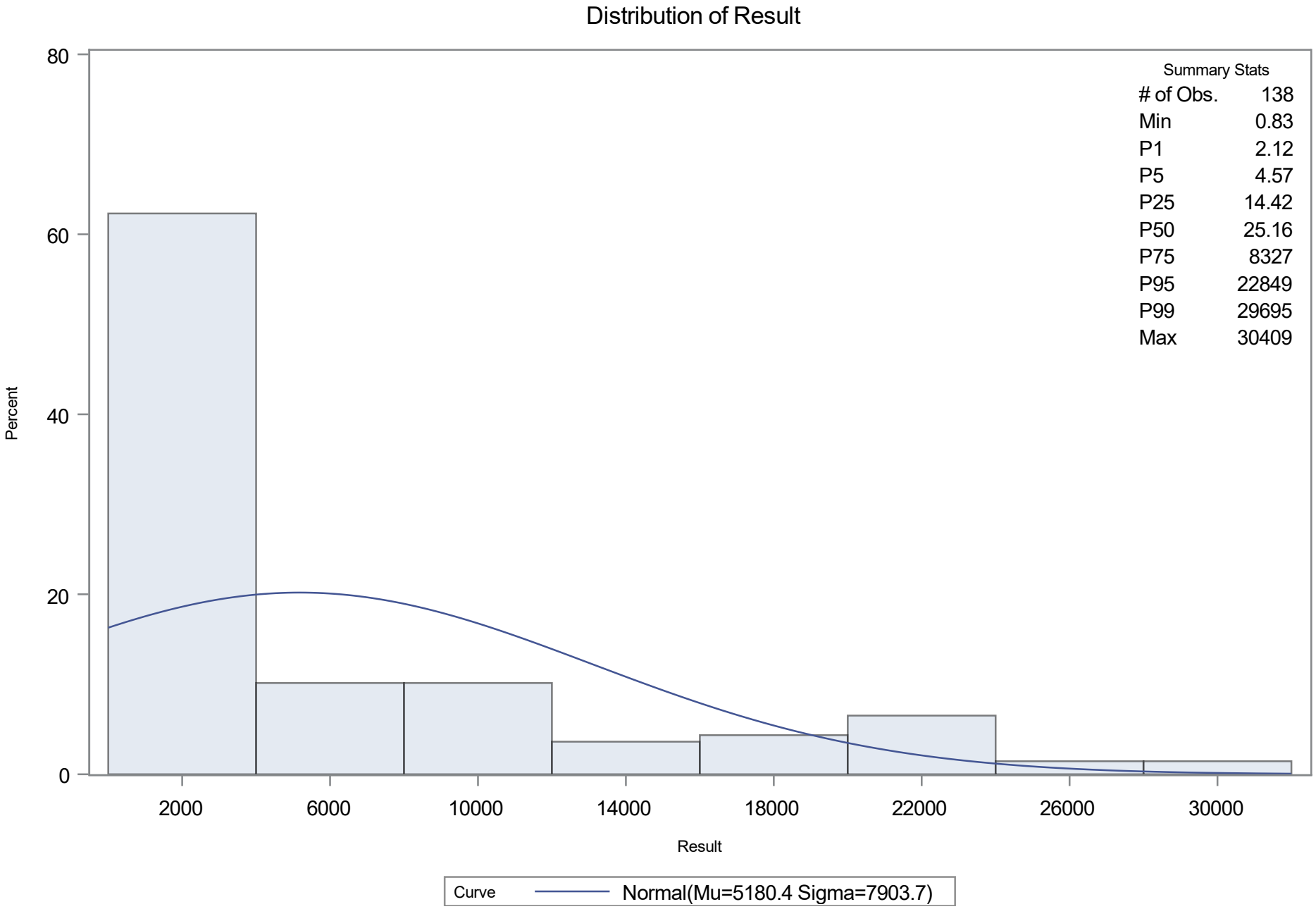
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
30000
20000
10000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5180.444
Std Dev	Sigma	7903.657

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3658519	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.2566071	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	17.5289188	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.12000	-13206.211
5.0	4.57000	-7819.915
10.0	10.08000	-4948.500
25.0	14.42000	-150.491
50.0	25.16000	5180.444
75.0	8327.00000	10511.380
90.0	17725.00000	15309.388
95.0	22849.00000	18180.803
99.0	29695.00000	23567.100

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

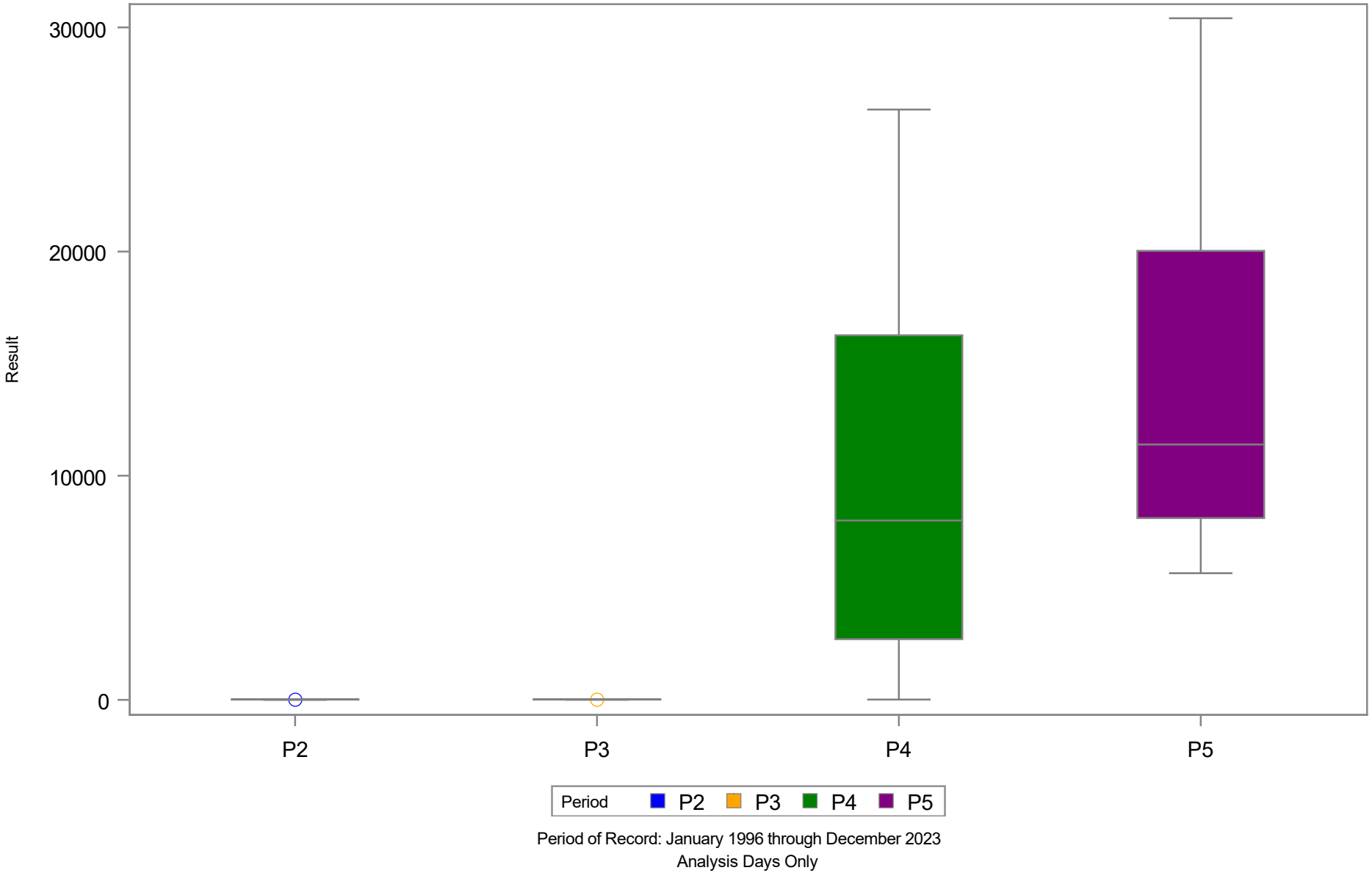
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	52	0.83	12.25	16.30	16.31	23.30	27.41
P3	29	5.83	13.32	18.39	19.37	24.74	30.59
P4	20	13.82	2710.09	9872.97	8002.50	16263.50	26337.00
P5	37	5651.00	8111.00	13947.59	11393.00	20031.00	30409.00

Period of Record: January 1996 through December 2023
Analysis Days Only

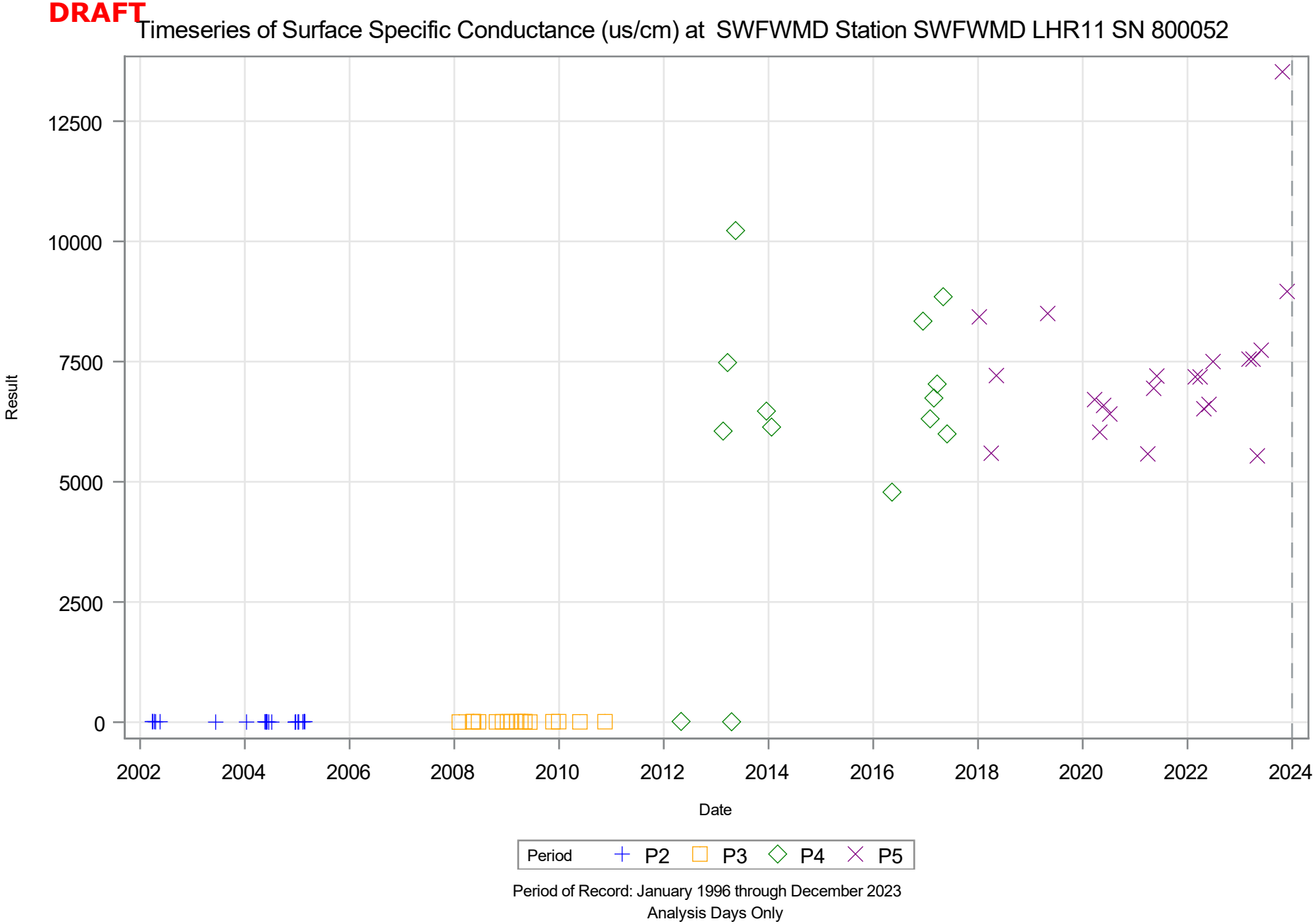
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052



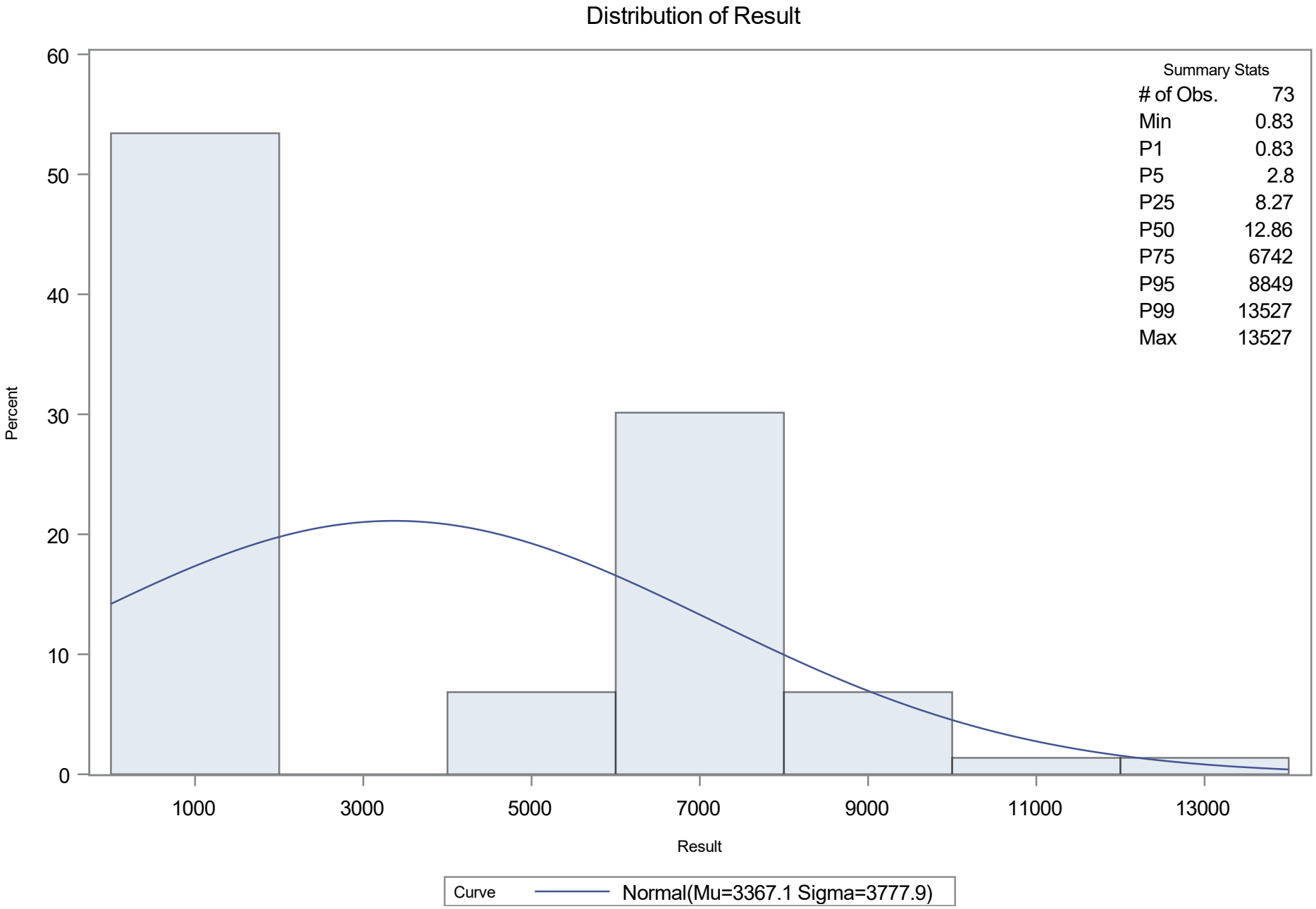
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3367.124
Std Dev	Sigma	3777.895

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34674850	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.44467019	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.21104826	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.83000	-5421.575
5.0	2.80000	-2846.961
10.0	4.37000	-1474.444
25.0	8.27000	818.972
50.0	12.86000	3367.124
75.0	6742.00000	5915.275
90.0	7737.00000	8208.691
95.0	8849.00000	9581.208
99.0	13527.00000	12155.822

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

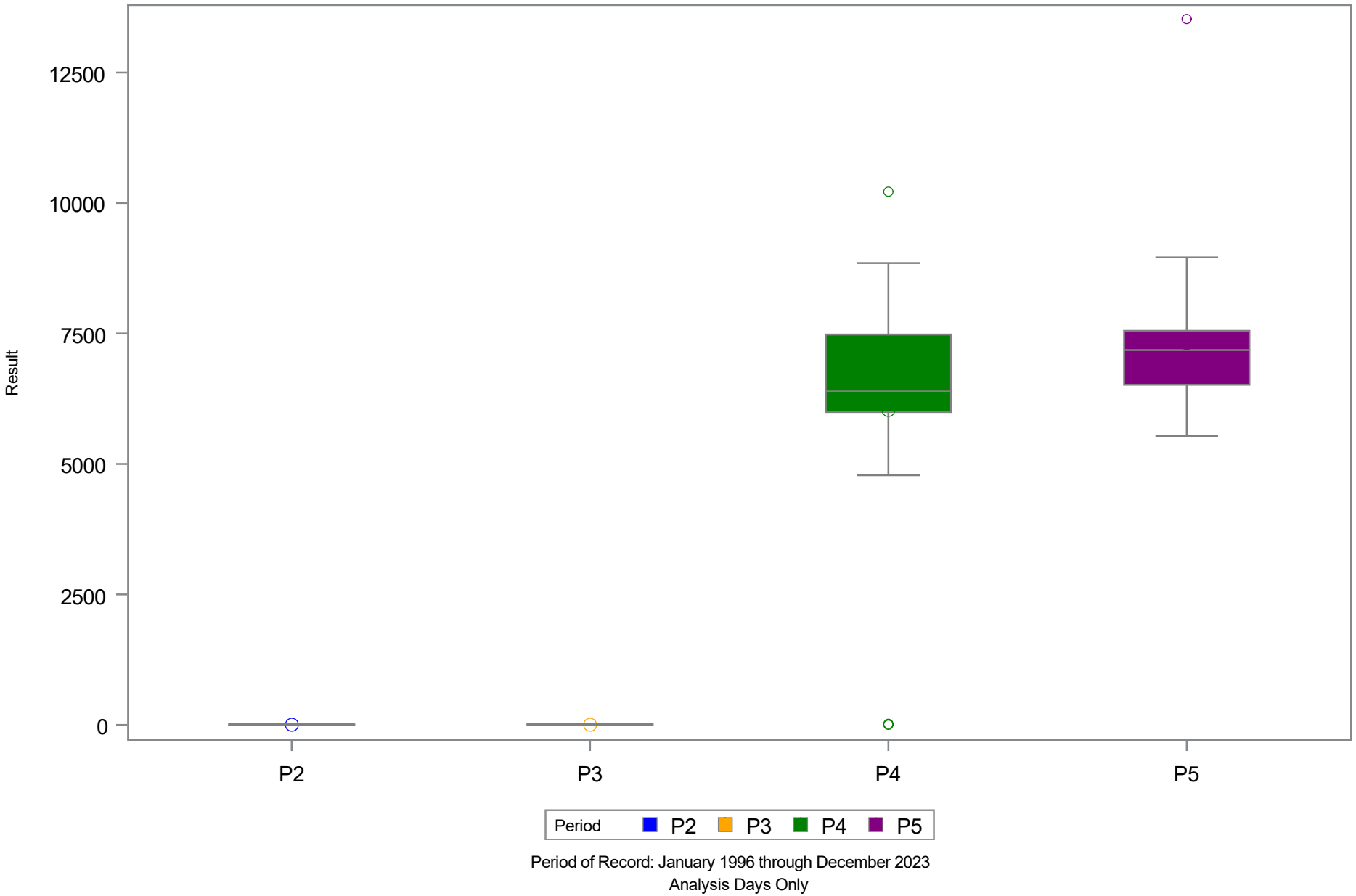
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.83	4.37	7.33	7.33	9.83	13.20
P3	16	2.80	7.29	9.01	9.86	10.77	12.86
P4	14	8.52	5996.00	6032.01	6390.00	7480.00	10225.00
P5	22	5539.00	6519.00	7320.64	7182.00	7551.00	13527.00

Period of Record: January 1996 through December 2023
Analysis Days Only

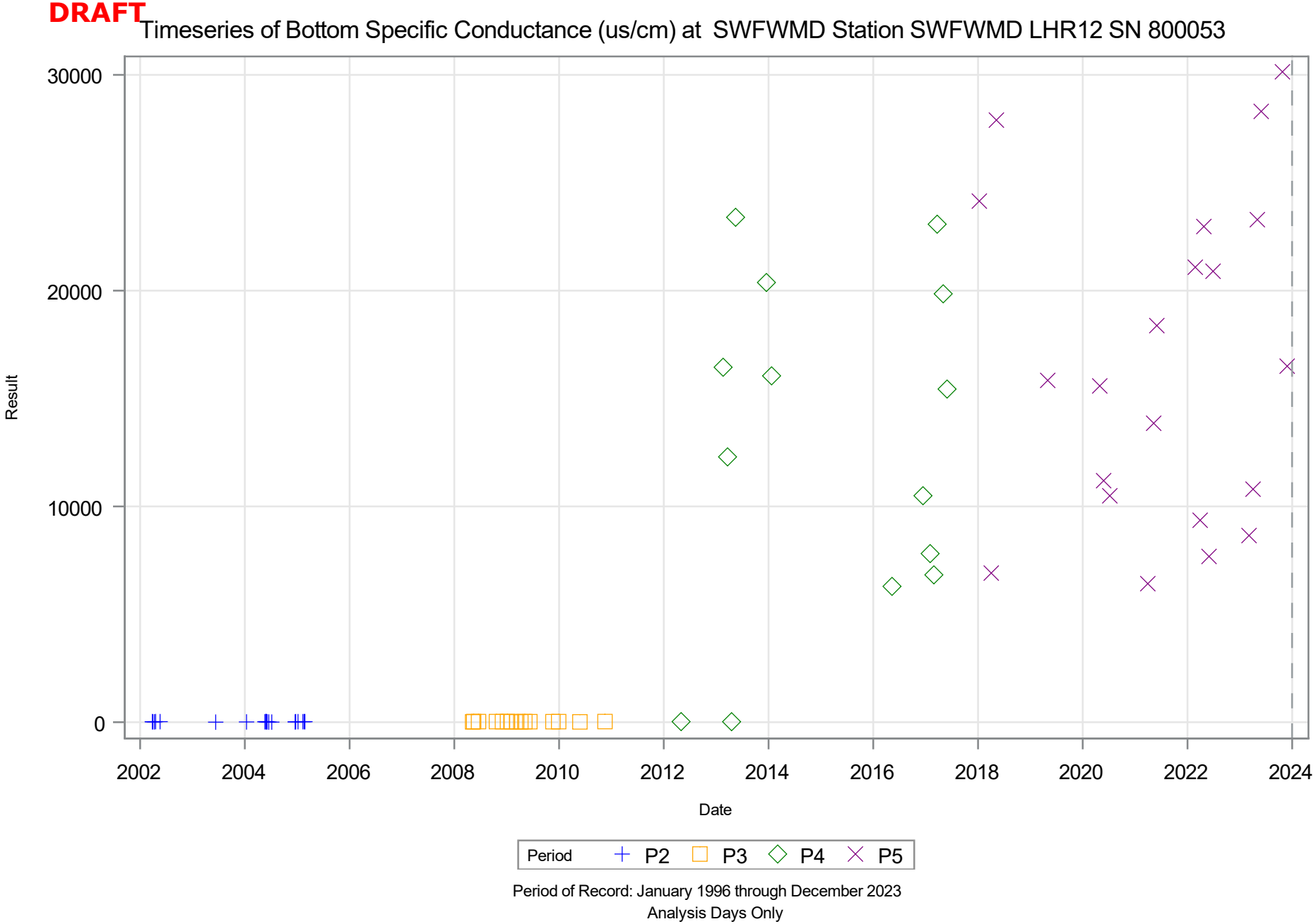
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR11 SN 800052



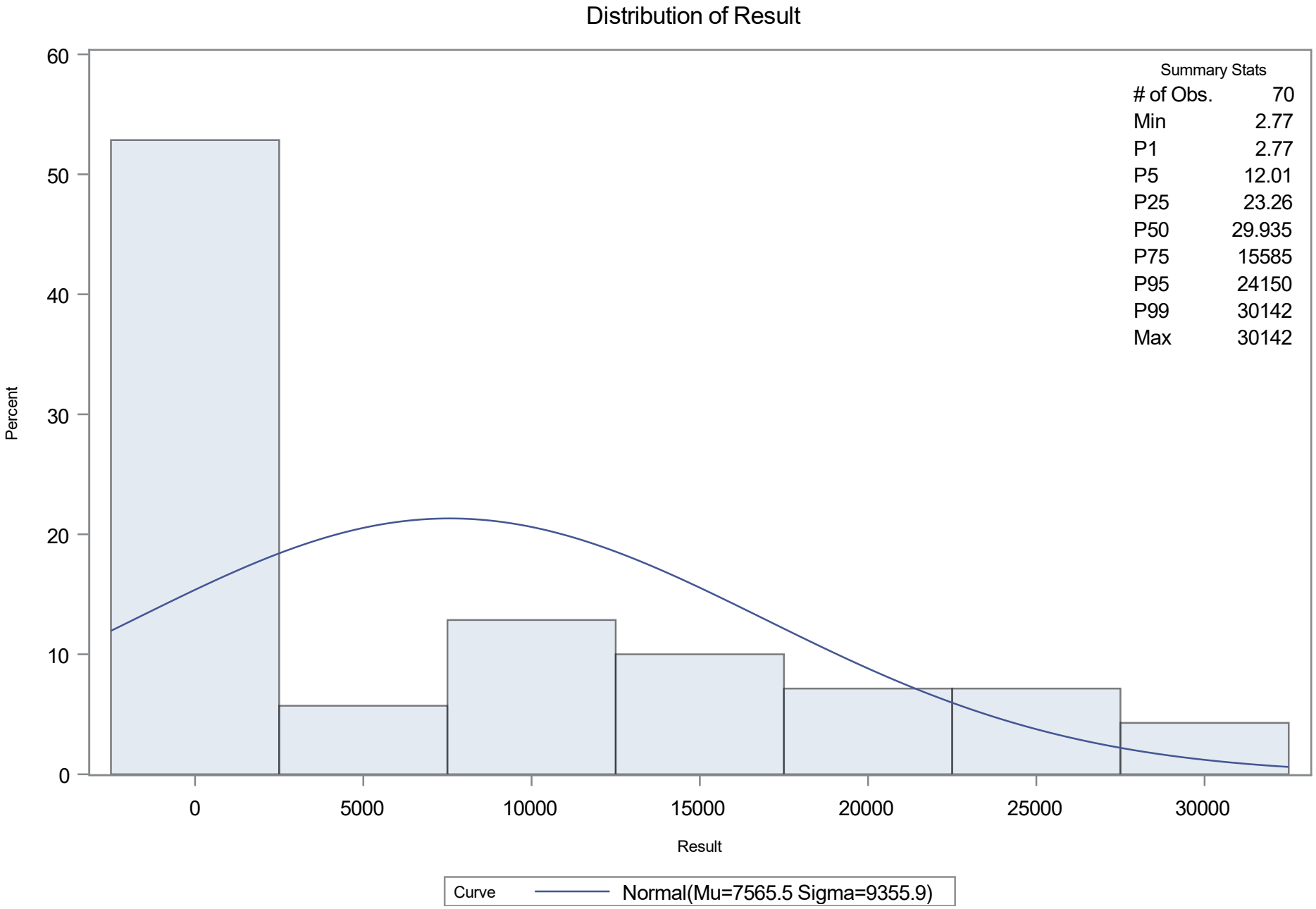
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053
30000
20000
10000
0
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7565.53
Std Dev	Sigma	9355.854

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31824845	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.07804888	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.27564305	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.77000	-14199.44
5.0	12.01000	-7823.48
10.0	15.59500	-4424.48
25.0	23.26000	1255.10
50.0	29.93500	7565.53
75.0	15585.00000	13875.96
90.0	23025.50000	19555.54
95.0	24150.00000	22954.54
99.0	30142.00000	29330.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

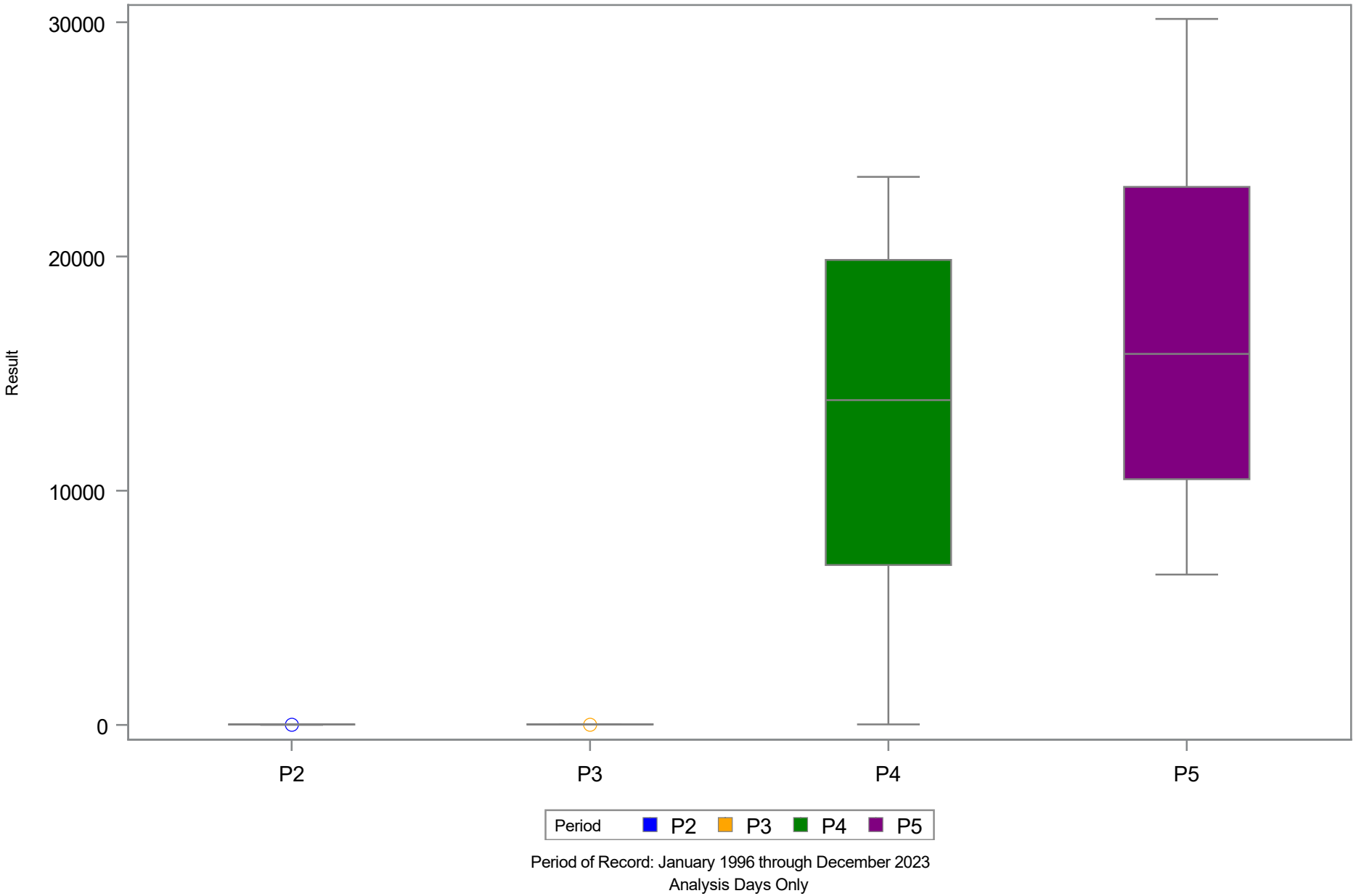
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	2.77	14.73	19.06	21.66	24.72	27.35
P3	15	15.00	19.76	23.99	23.54	27.80	31.25
P4	14	22.77	6828.00	12745.01	13867.50	19853.00	23399.00
P5	21	6420.00	10492.00	16686.48	15840.00	22971.00	30142.00

Period of Record: January 1996 through December 2023
Analysis Days Only

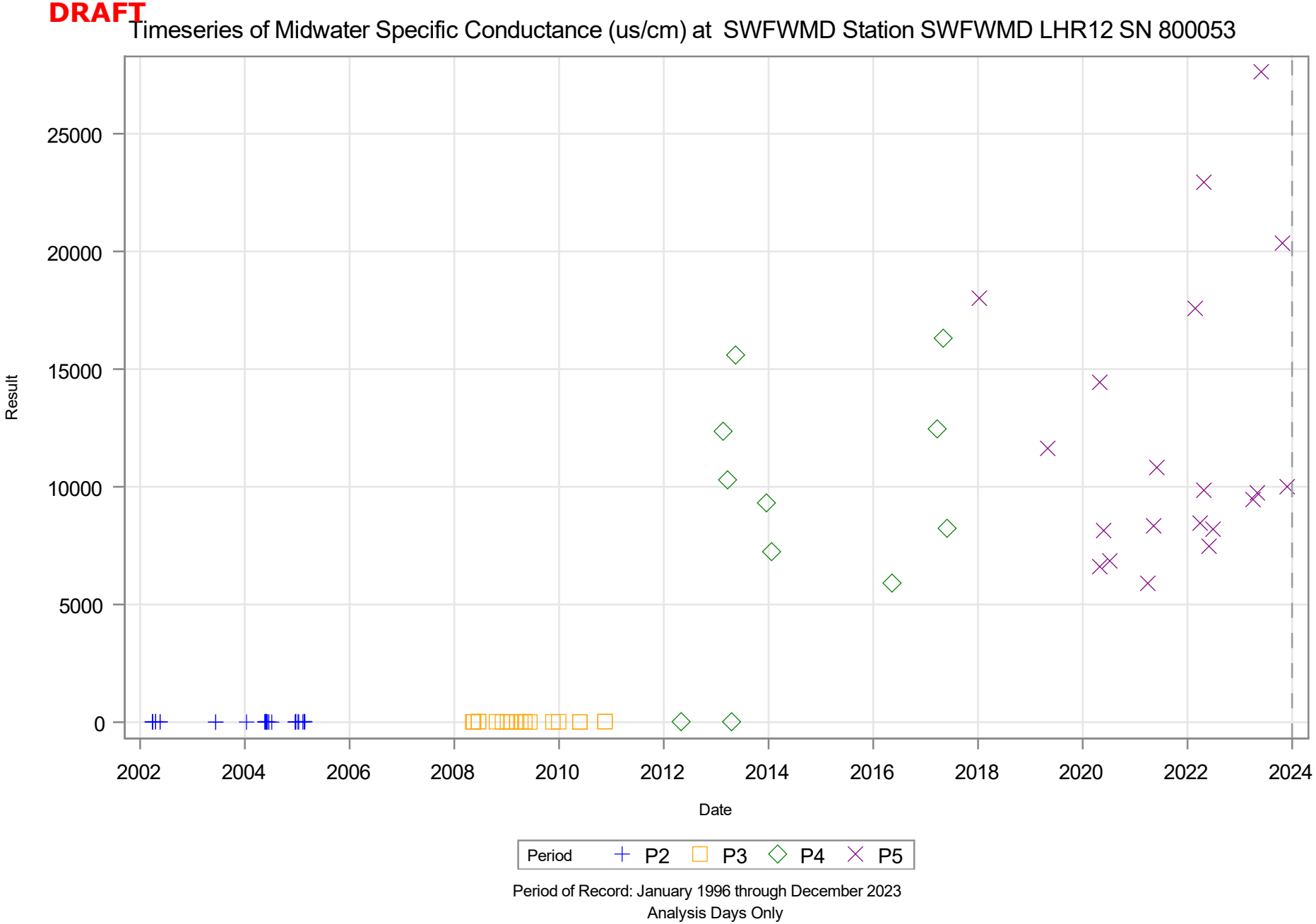
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053



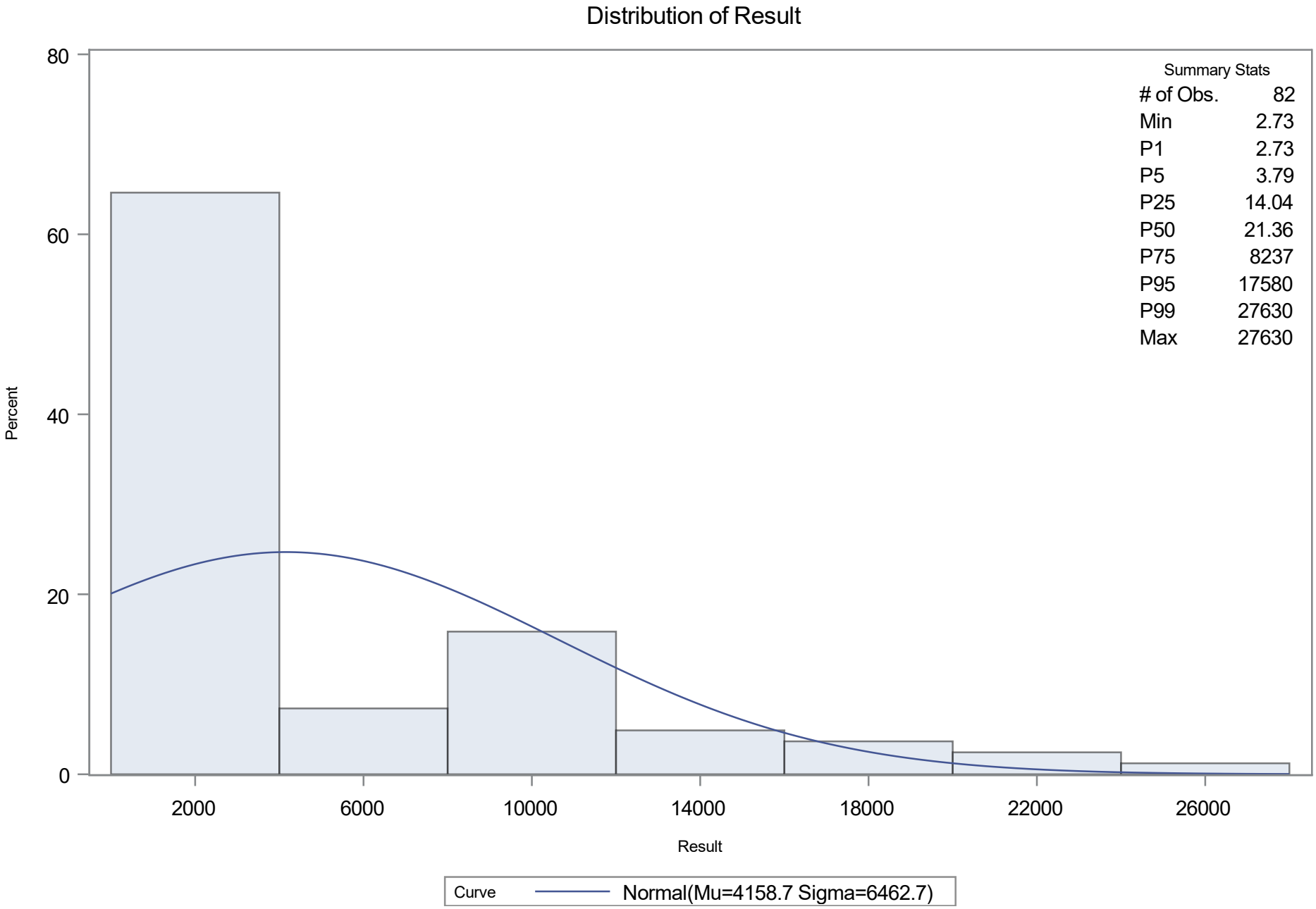
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4158.681
Std Dev	Sigma	6462.723

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3849145	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.0629157	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.7580162	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.73000	-10875.861
5.0	3.79000	-6471.552
10.0	6.75000	-4123.632
25.0	14.04000	-200.359
50.0	21.36000	4158.681
75.0	8237.00000	8517.722
90.0	12460.00000	12440.994
95.0	17580.00000	14788.915
99.0	27630.00000	19193.224

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

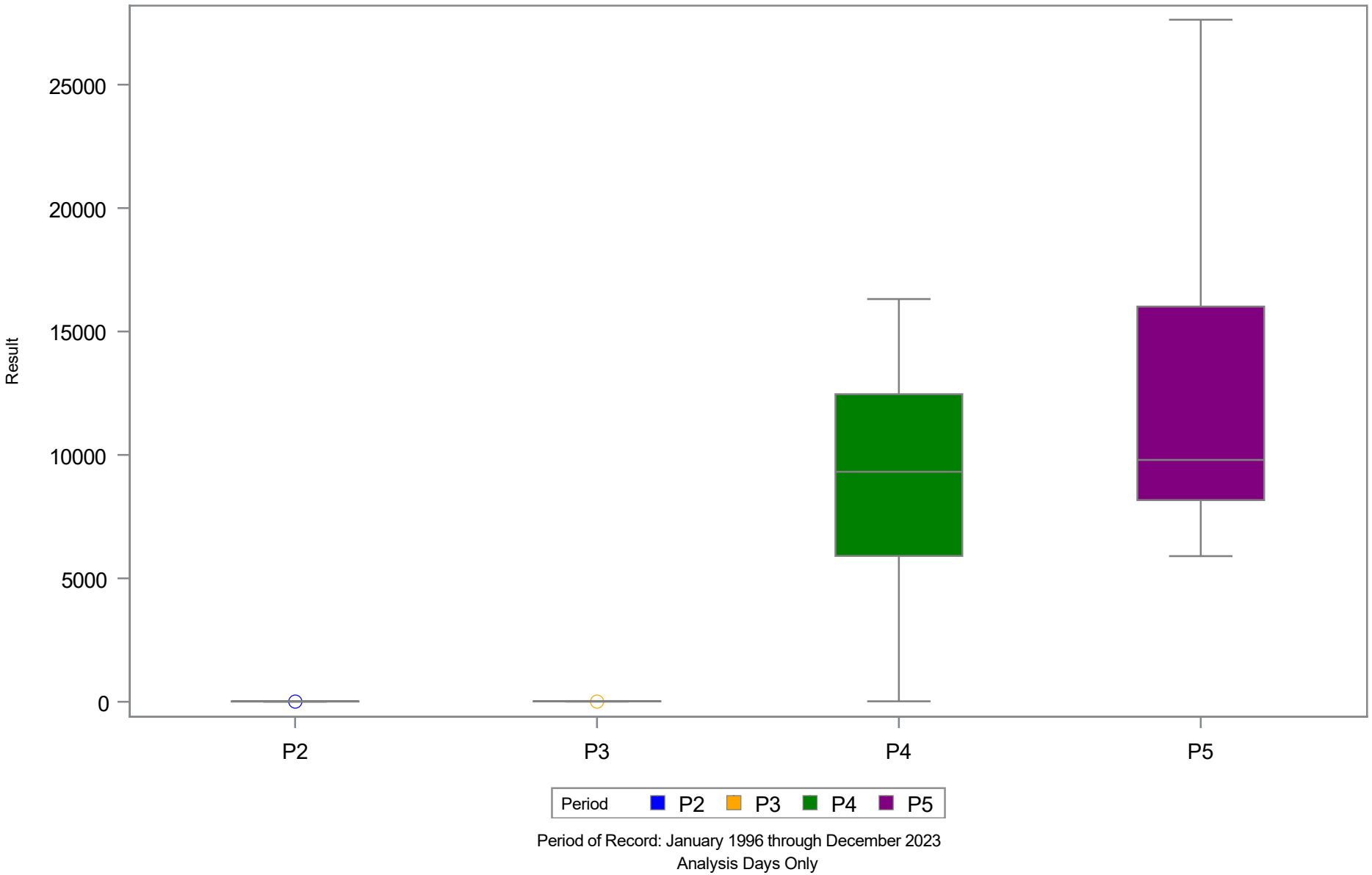
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	33	2.73	9.20	14.42	14.41	19.45	27.03
P3	18	6.71	13.74	17.59	16.53	21.80	29.31
P4	11	18.50	5909.00	8888.94	9317.00	12460.00	16314.00
P5	20	5900.00	8170.50	12122.05	9797.50	16010.00	27630.00

Period of Record: January 1996 through December 2023
Analysis Days Only

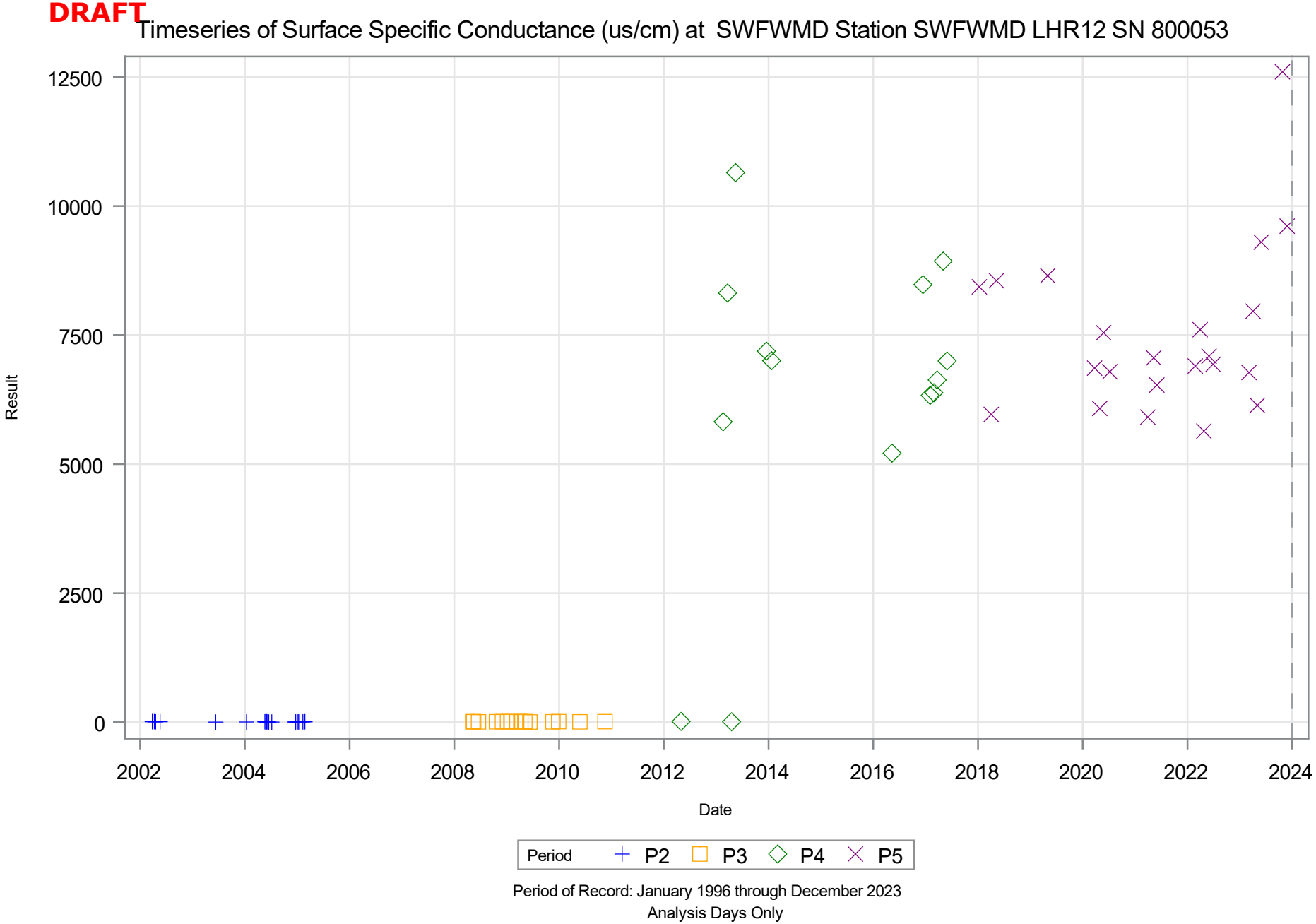
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053



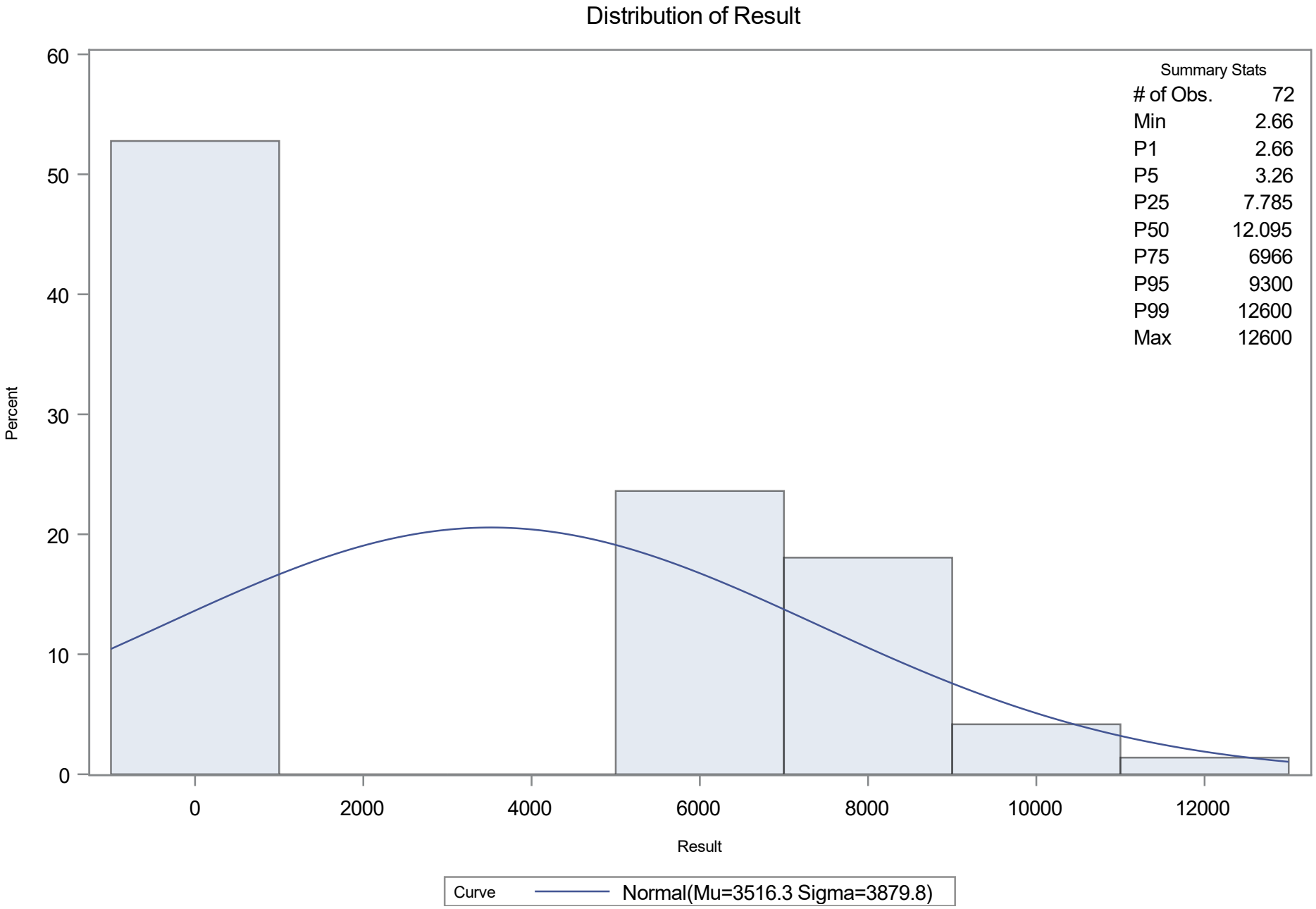
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3516.283
Std Dev	Sigma	3879.827

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34438065	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.39542641	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.94491891	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.66000	-5509.545
5.0	3.26000	-2865.465
10.0	5.38000	-1455.916
25.0	7.78500	899.379
50.0	12.09500	3516.283
75.0	6966.00000	6133.186
90.0	8478.00000	8488.481
95.0	9300.00000	9898.030
99.0	12600.00000	12542.110

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

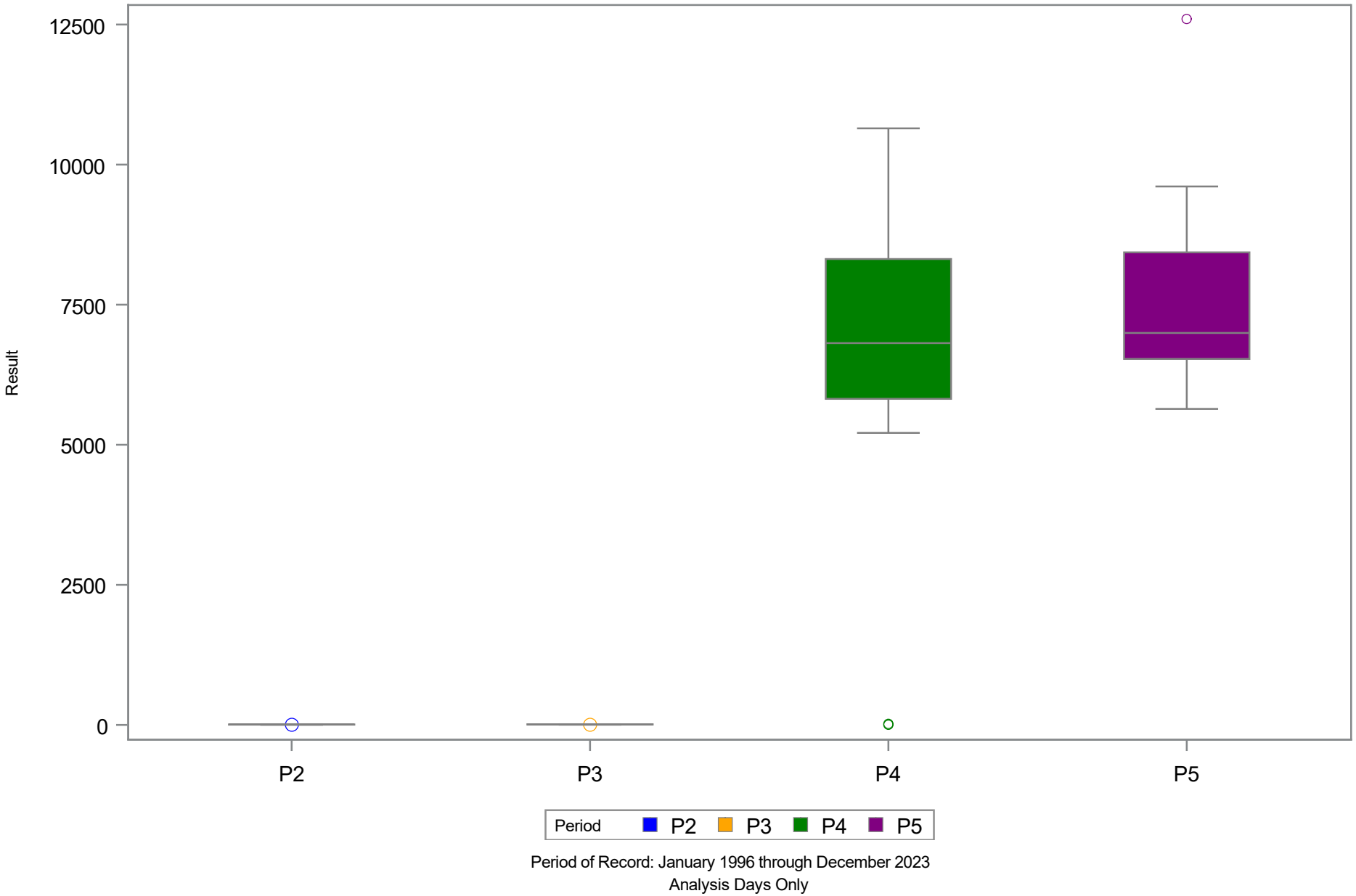
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	2.66	5.18	6.87	6.60	8.87	12.18
P3	15	4.04	7.66	9.16	9.44	11.11	12.01
P4	14	8.78	5820.00	6283.18	6814.50	8315.00	10647.00
P5	22	5640.00	6532.00	7496.64	6995.50	8434.00	12600.00

Period of Record: January 1996 through December 2023
Analysis Days Only

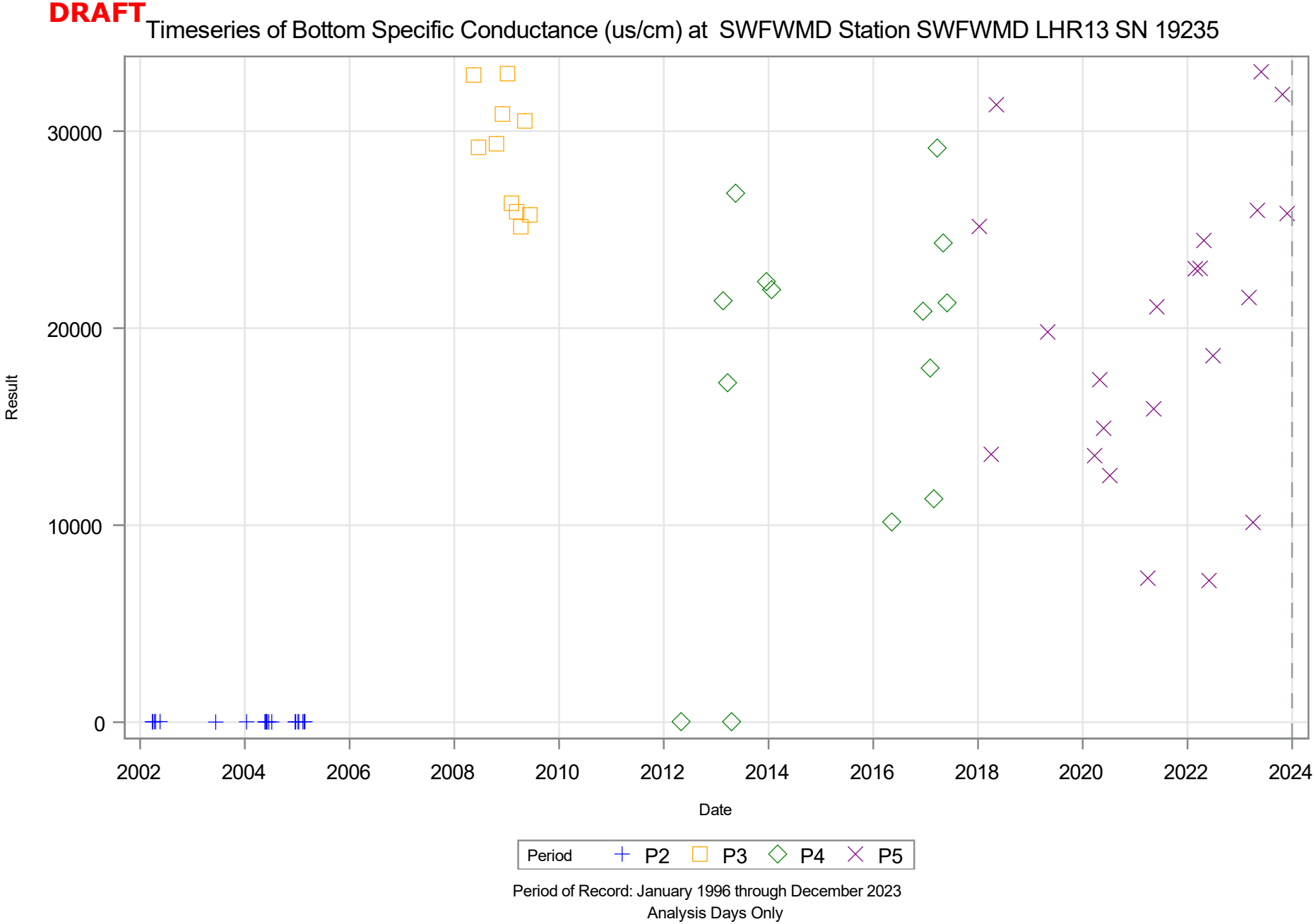
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR12 SN 800053



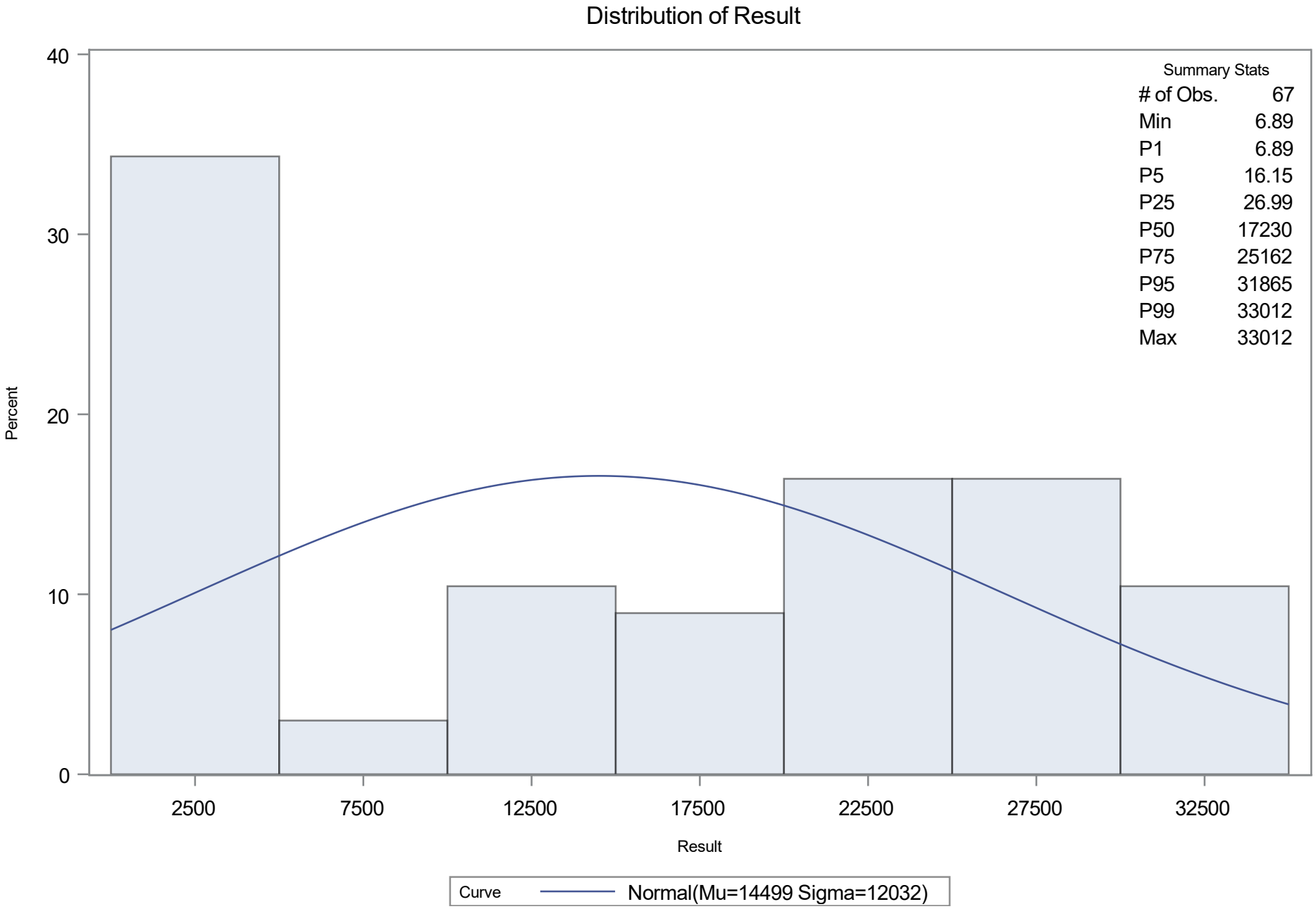
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
30000
20000
10000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14499.46
Std Dev	Sigma	12032.32

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22871351	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.48397158	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.44443384	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.89000	-13491.889
5.0	16.15000	-5291.935
10.0	20.36000	-920.570
25.0	26.99000	6383.790
50.0	17230.00000	14499.464
75.0	25162.00000	22615.137
90.0	30520.00000	29919.497
95.0	31865.00000	34290.862
99.0	33012.00000	42490.816

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

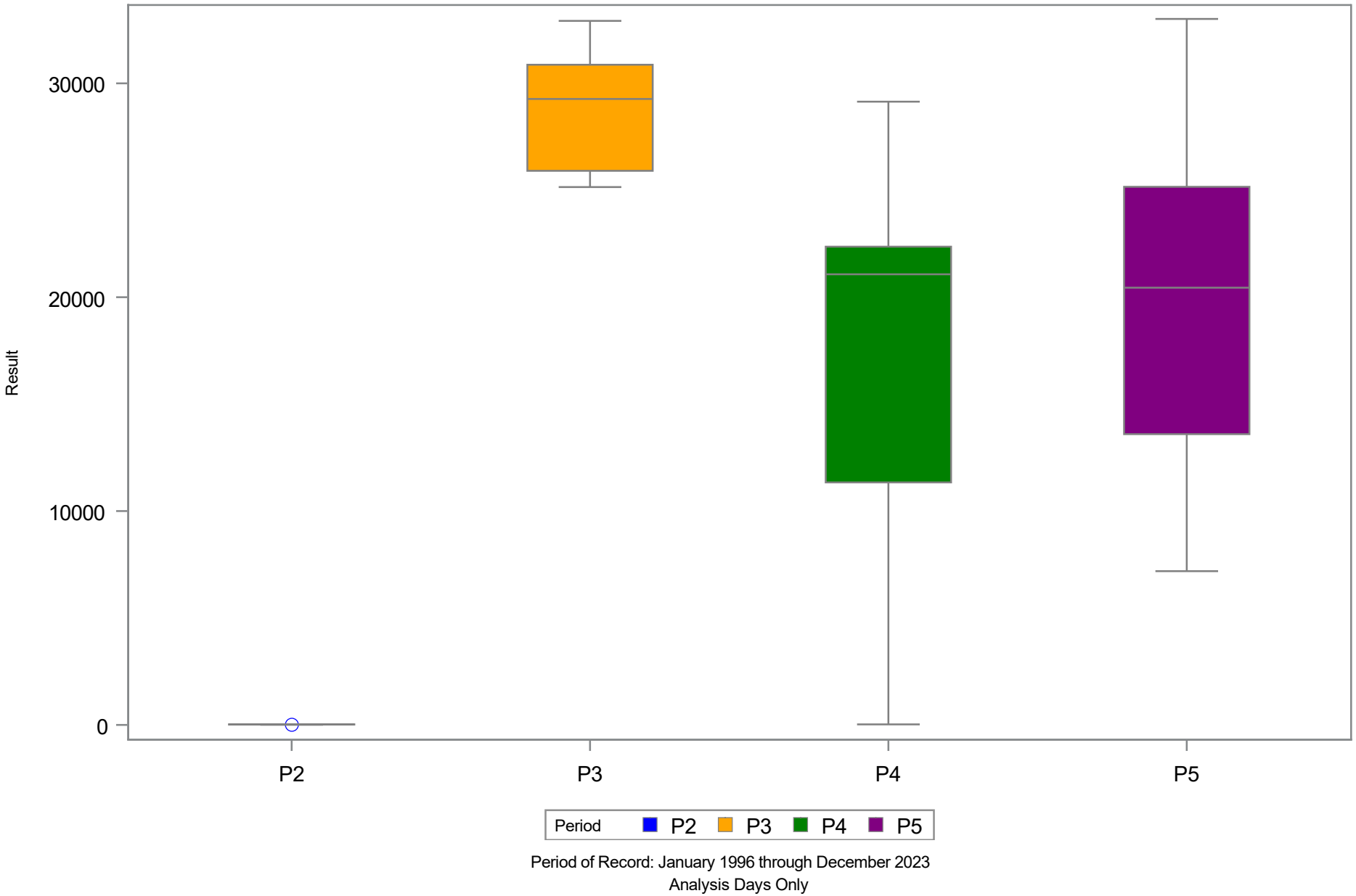
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.89	18.62	22.12	24.34	26.99	29.68
P3	10	25150.00	25910.00	28885.00	29270.00	30870.00	32920.00
P4	14	25.67	11340.00	17495.39	21072.50	22363.00	29143.00
P5	22	7190.00	13597.00	19873.36	20445.00	25162.00	33012.00

Period of Record: January 1996 through December 2023
Analysis Days Only

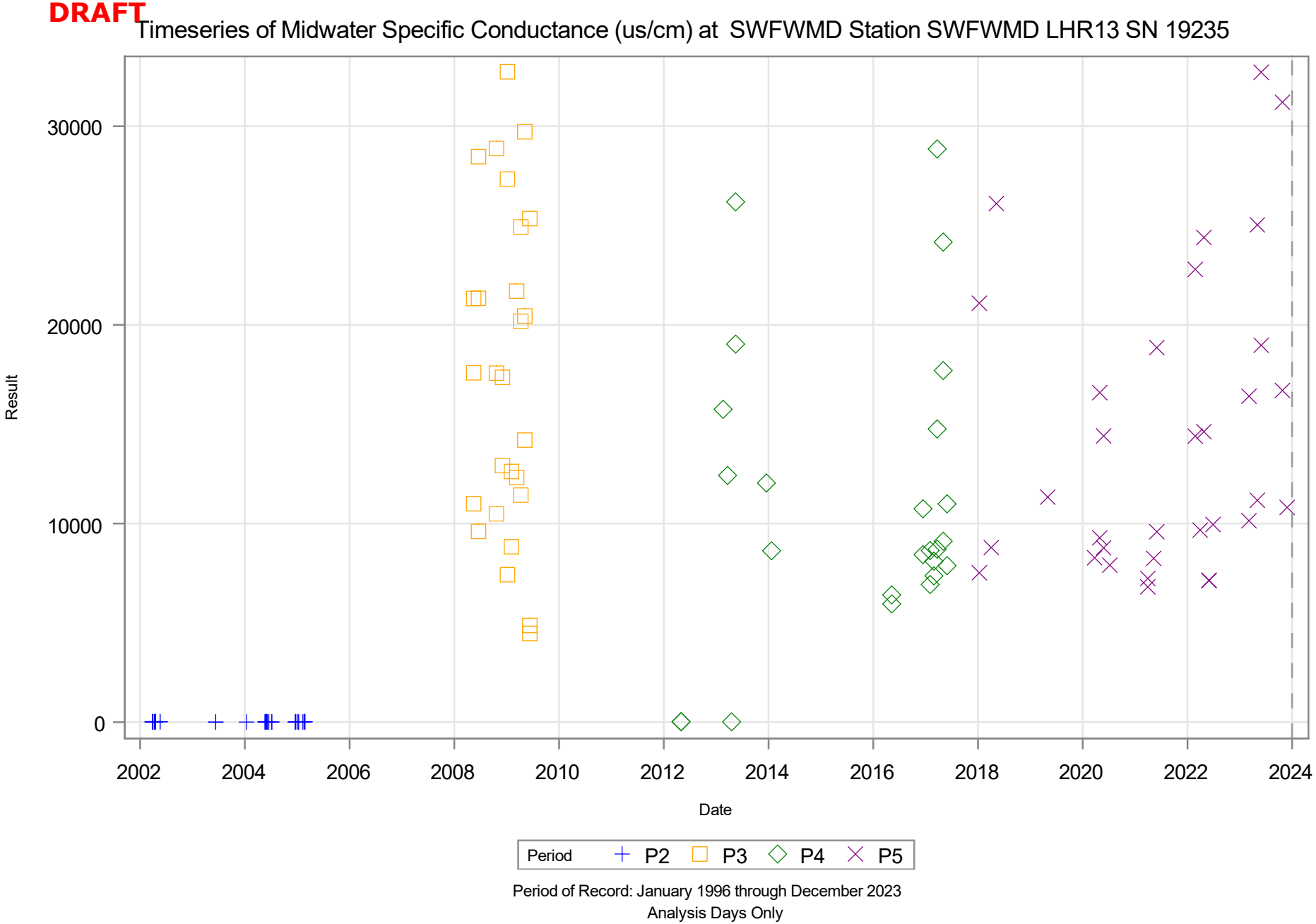
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235



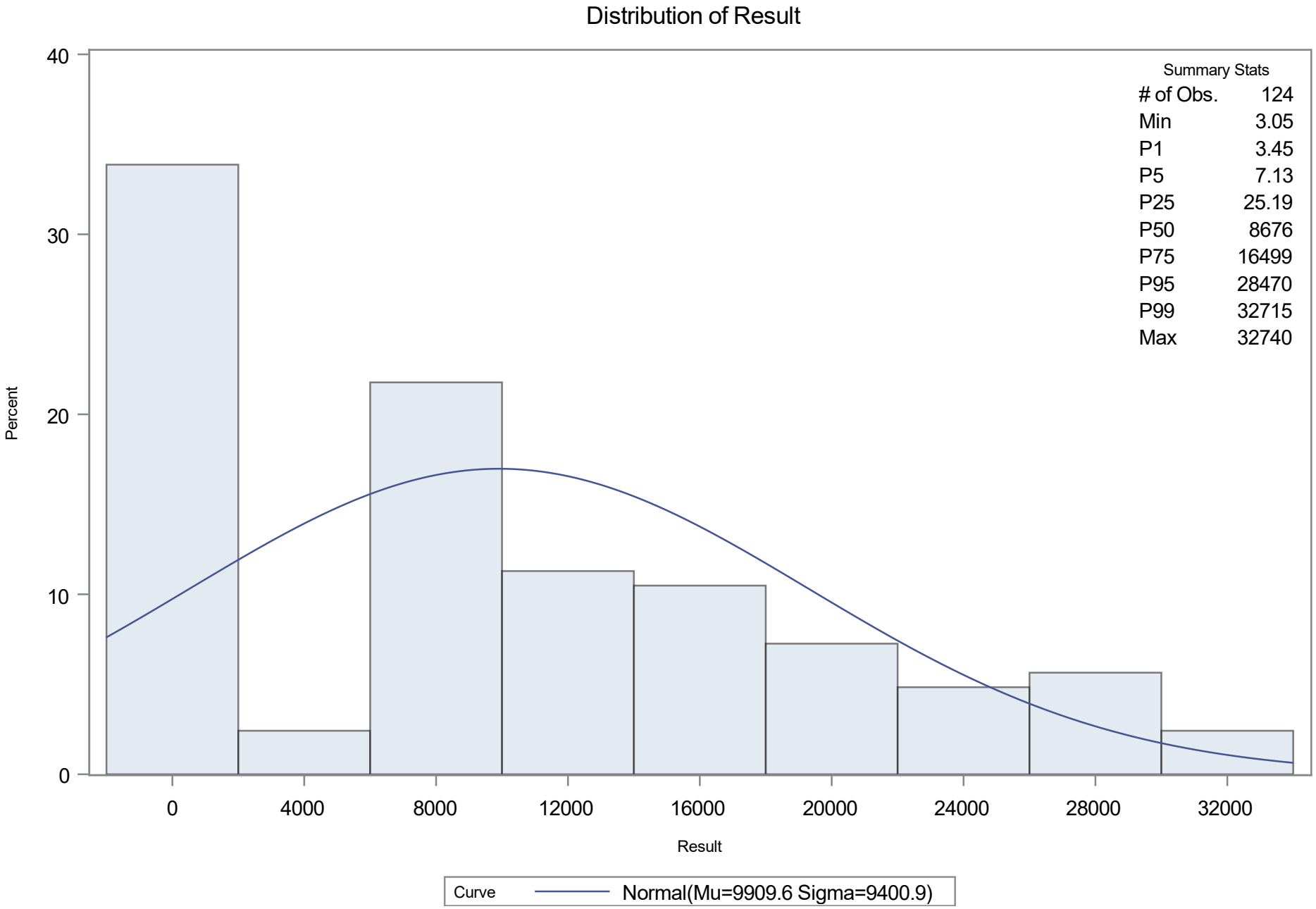
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
30000
20000
10000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9909.622
Std Dev	Sigma	9400.942

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19209191	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.59440201	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.37183504	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.45000	-11960.24
5.0	7.13000	-5553.55
10.0	12.94000	-2138.17
25.0	25.19000	3568.78
50.0	8676.00000	9909.62
75.0	16499.00000	16250.46
90.0	24930.00000	21957.41
95.0	28470.00000	25372.80
99.0	32715.00000	31779.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

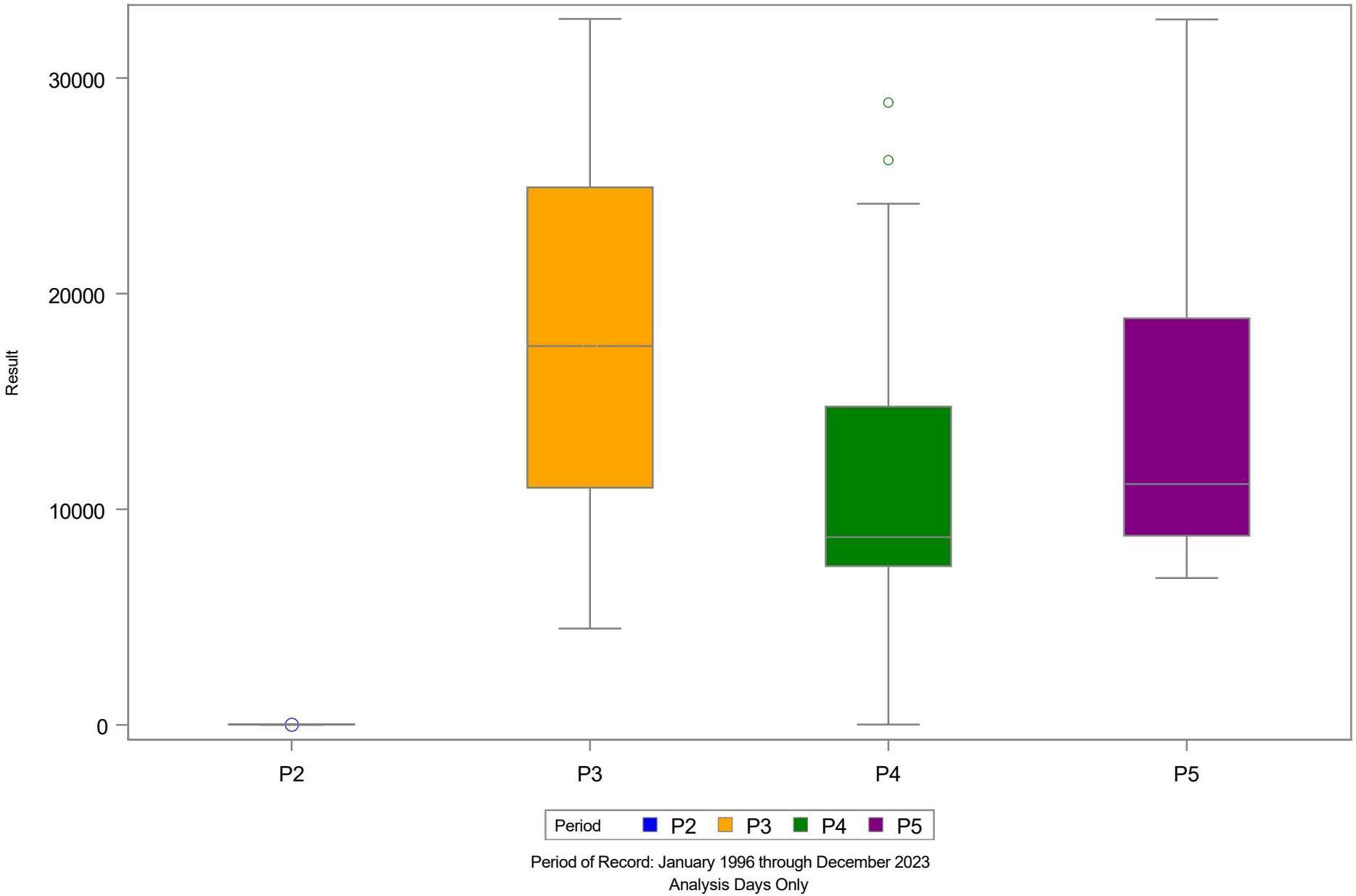
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	39	3.05	11.55	17.71	18.54	25.80	28.76
P3	27	4470.00	11000.00	17597.33	17570.00	24930.00	32740.00
P4	25	18.02	7365.00	11155.38	8708.00	14760.00	28856.00
P5	33	6811.00	8777.00	14366.36	11170.00	18856.00	32715.00

Period of Record: January 1996 through December 2023
Analysis Days Only

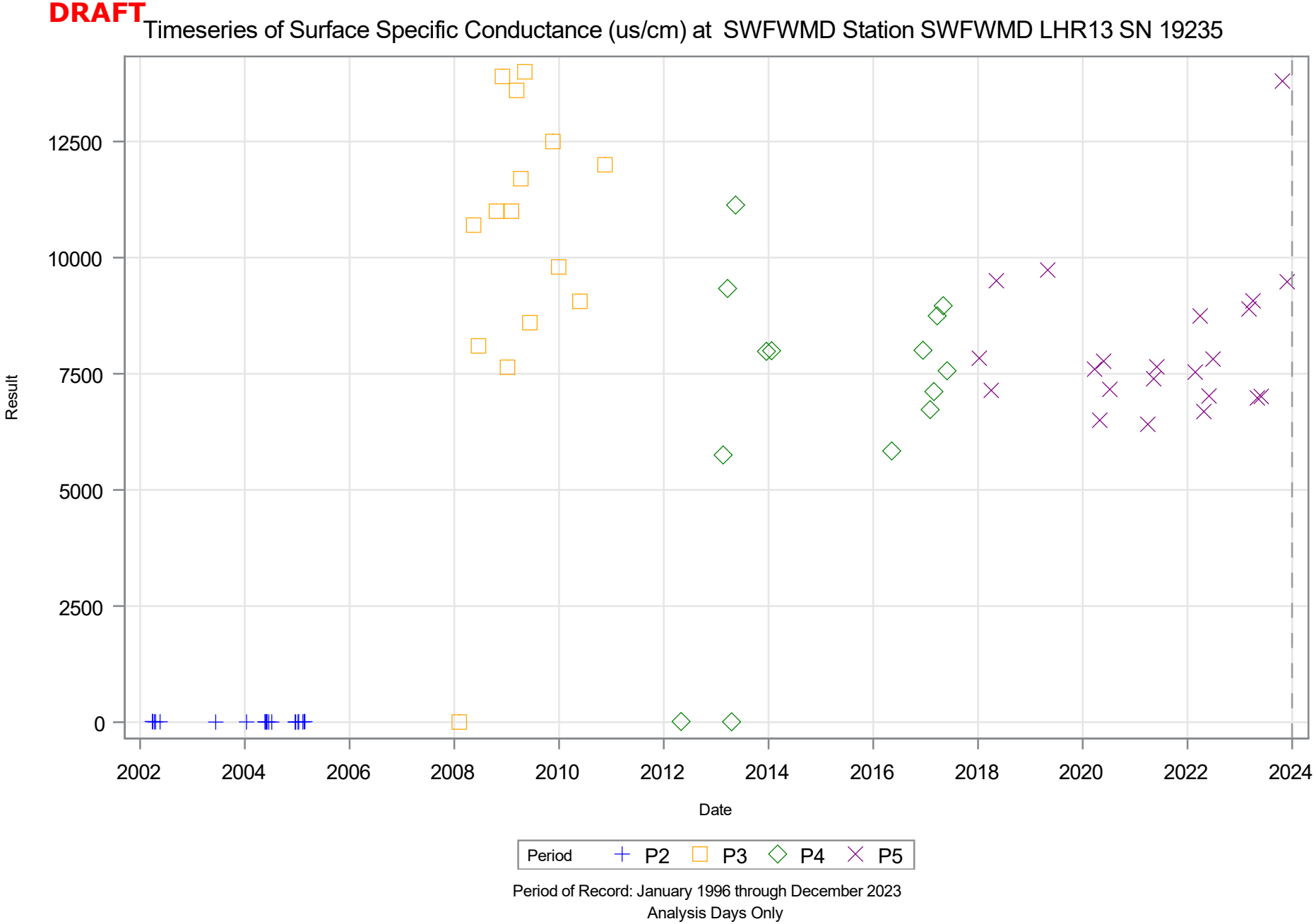
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235



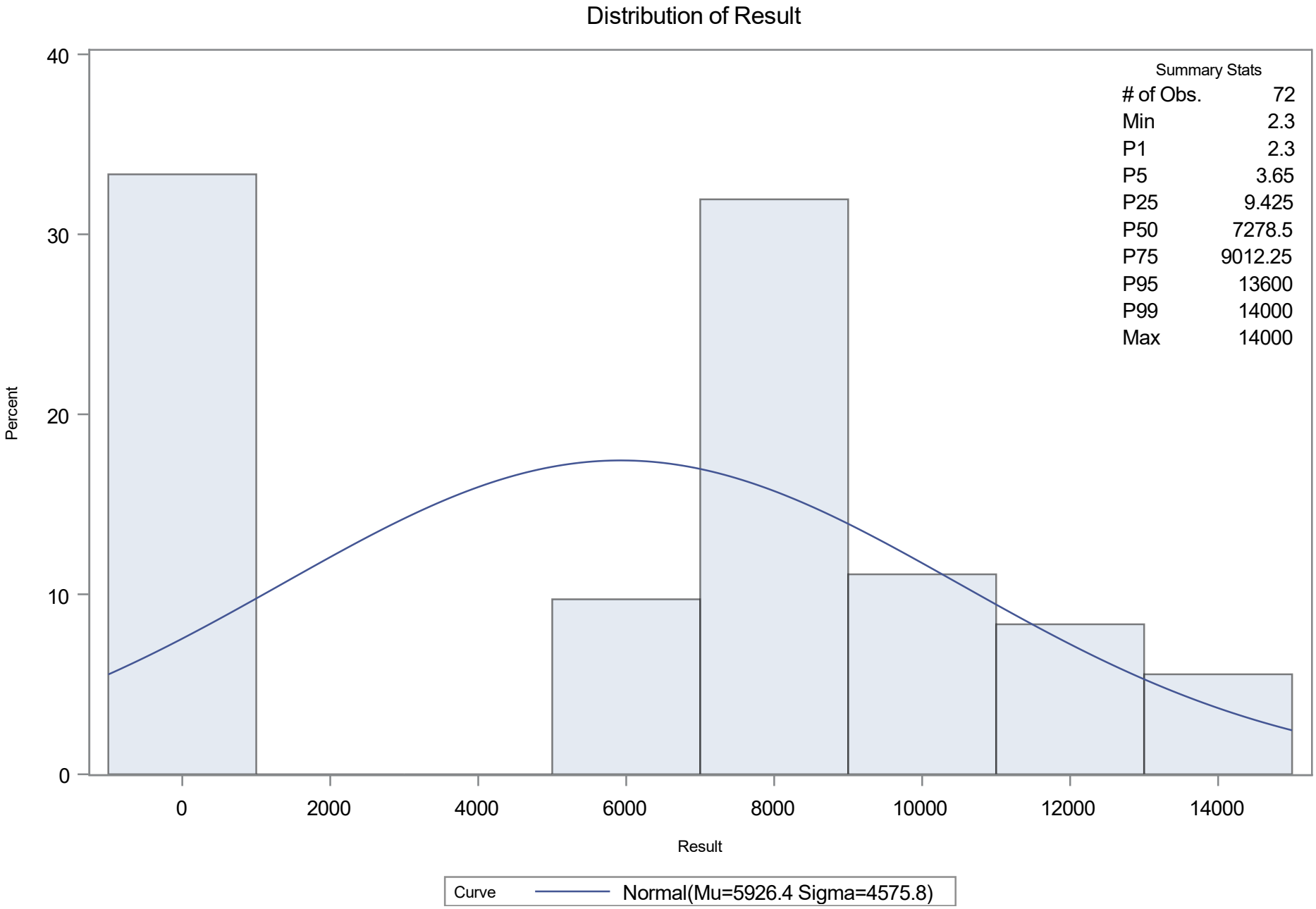
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5926.357
Std Dev	Sigma	4575.783

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23512921	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.69050812	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.41690652	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.30000	-4718.5069
5.0	3.65000	-1600.1368
10.0	5.27000	62.2547
25.0	9.42500	2840.0381
50.0	7278.50000	5926.3571
75.0	9012.25000	9012.6761
90.0	11132.00000	11790.4594
95.0	13600.00000	13452.8510
99.0	14000.00000	16571.2210

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

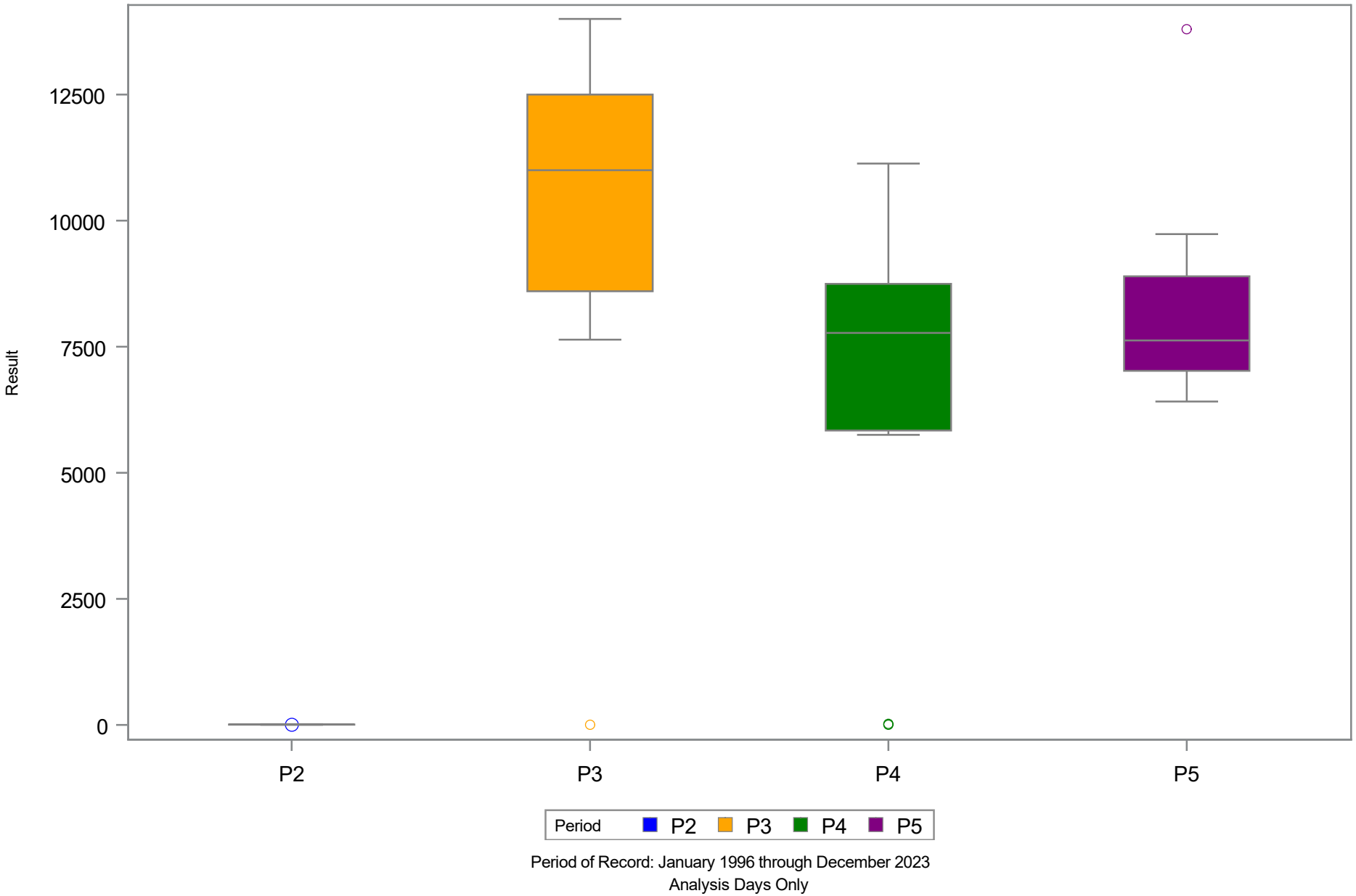
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	2.30	5.16	7.51	7.53	9.35	15.12
P3	15	3.77	8600.00	10240.25	11000.00	12500.00	14000.00
P4	14	8.37	5838.60	6799.16	7773.70	8746.40	11132.00
P5	22	6413.00	7022.00	8079.45	7624.50	8896.00	13800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

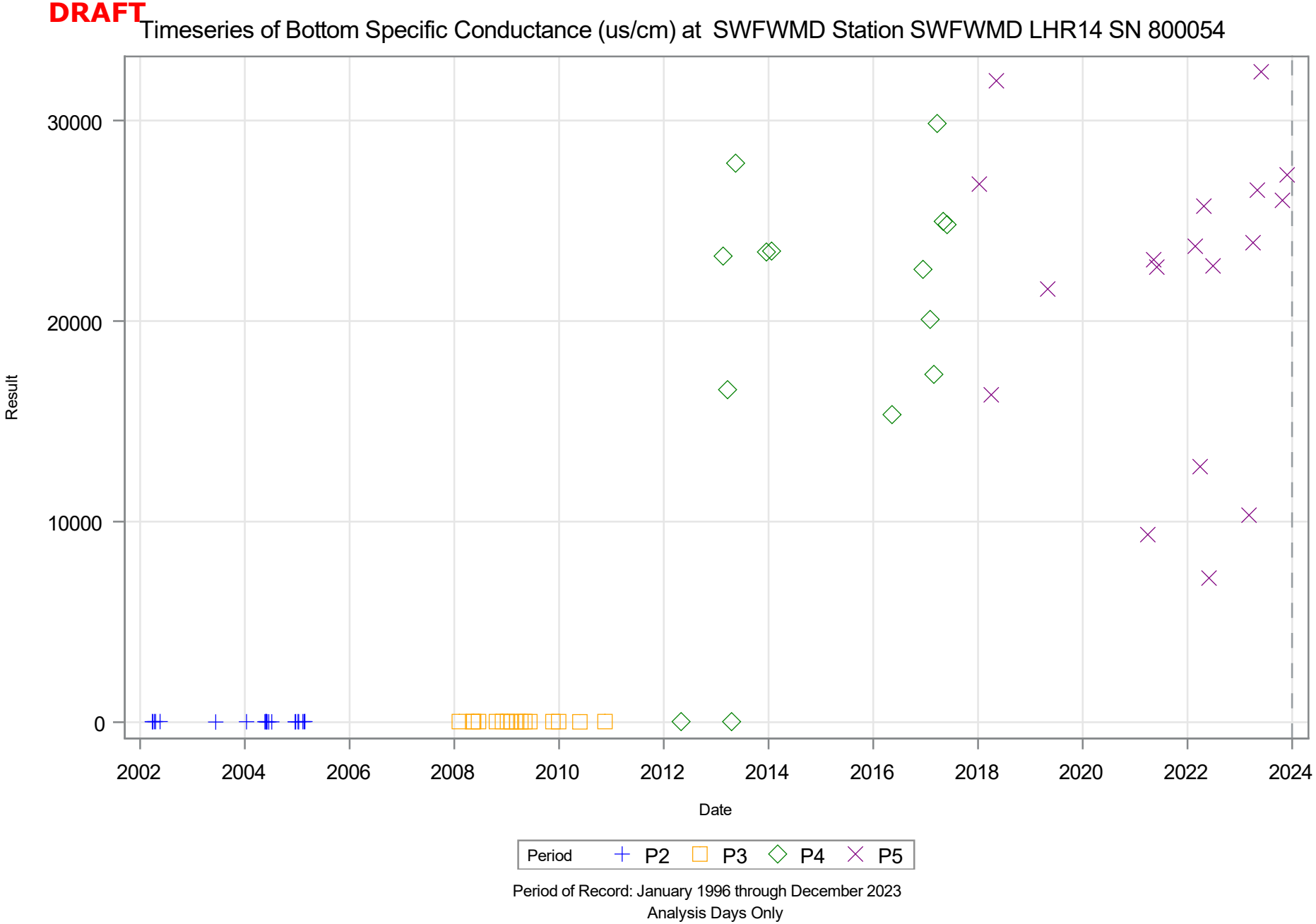
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR13 SN 19235



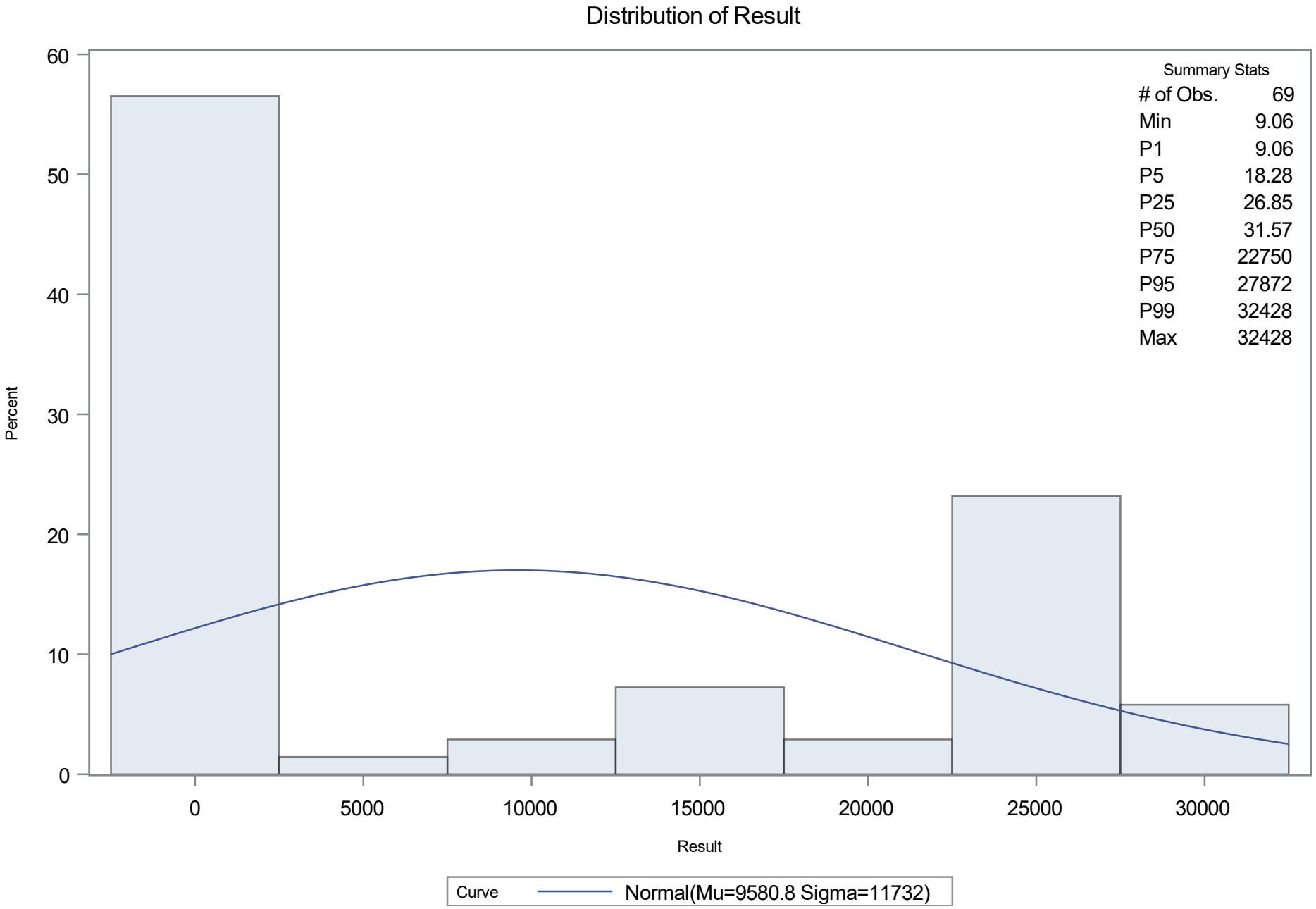
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
30000
20000
10000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9580.759
Std Dev	Sigma	11732.29

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.35732267	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.45844103	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.27977482	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	9.06000	-17712.64
5.0	18.28000	-9717.15
10.0	19.55000	-5454.78
25.0	26.85000	1667.45
50.0	31.57000	9580.76
75.0	22750.00000	17494.07
90.0	26528.00000	24616.30
95.0	27872.00000	28878.67
99.0	32428.00000	36874.16

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

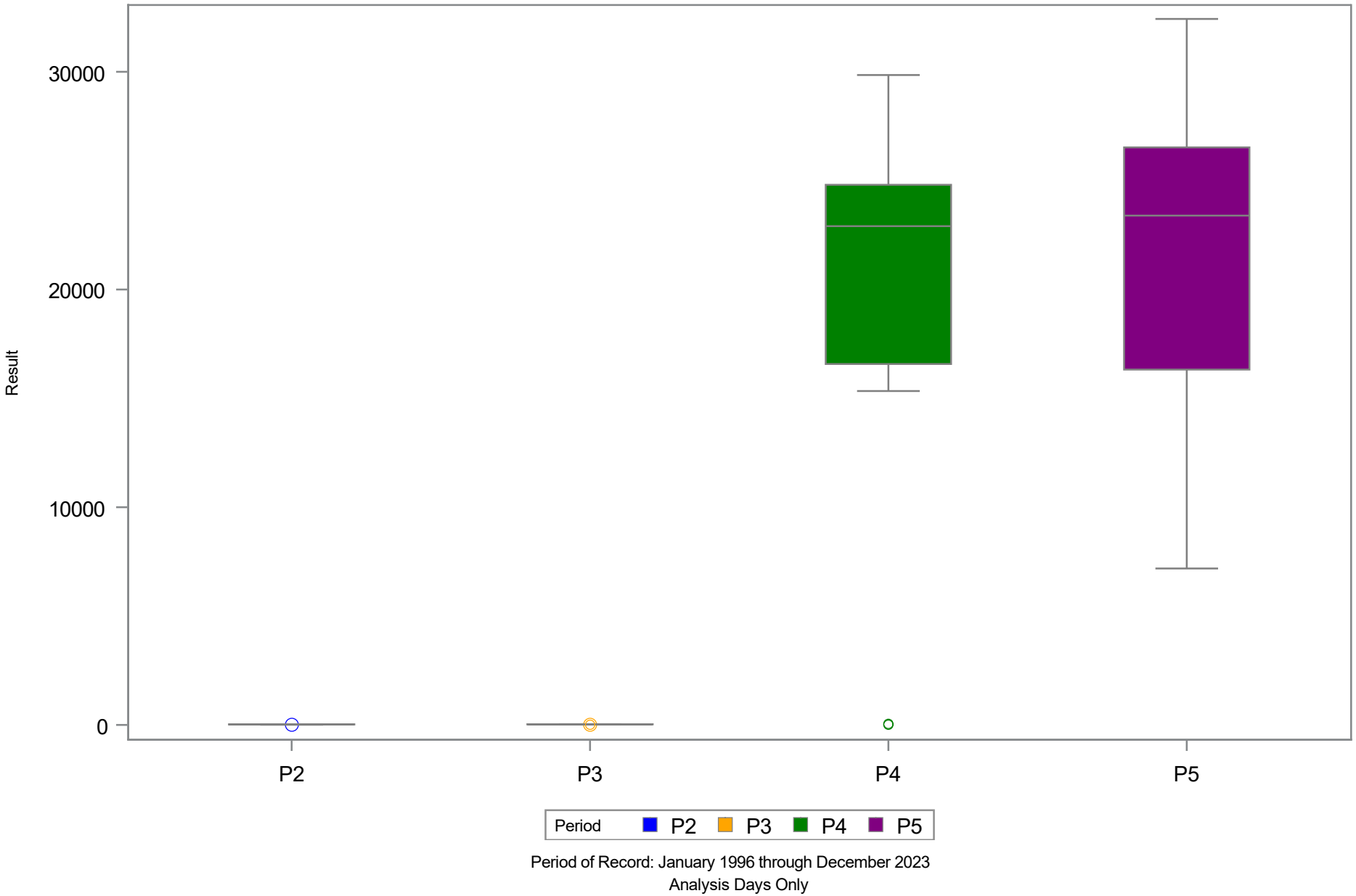
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	9.06	20.42	23.92	25.01	28.57	31.53
P3	16	18.51	26.79	28.57	29.58	31.64	33.63
P4	14	27.12	16579.00	19260.64	22909.00	24808.00	29851.00
P5	18	7186.00	16323.00	21692.44	23395.00	26528.00	32428.00

Period of Record: January 1996 through December 2023
Analysis Days Only

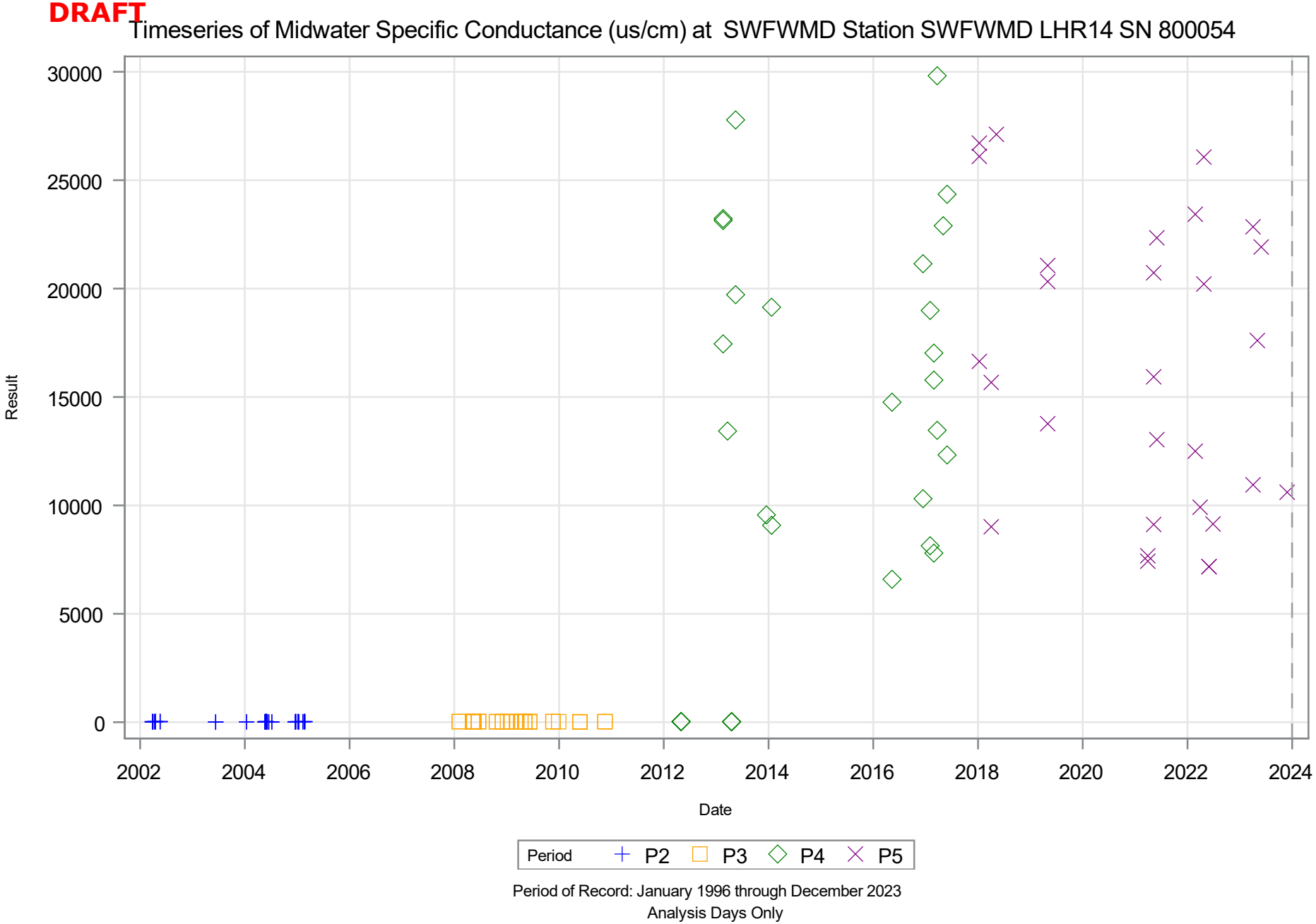
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054



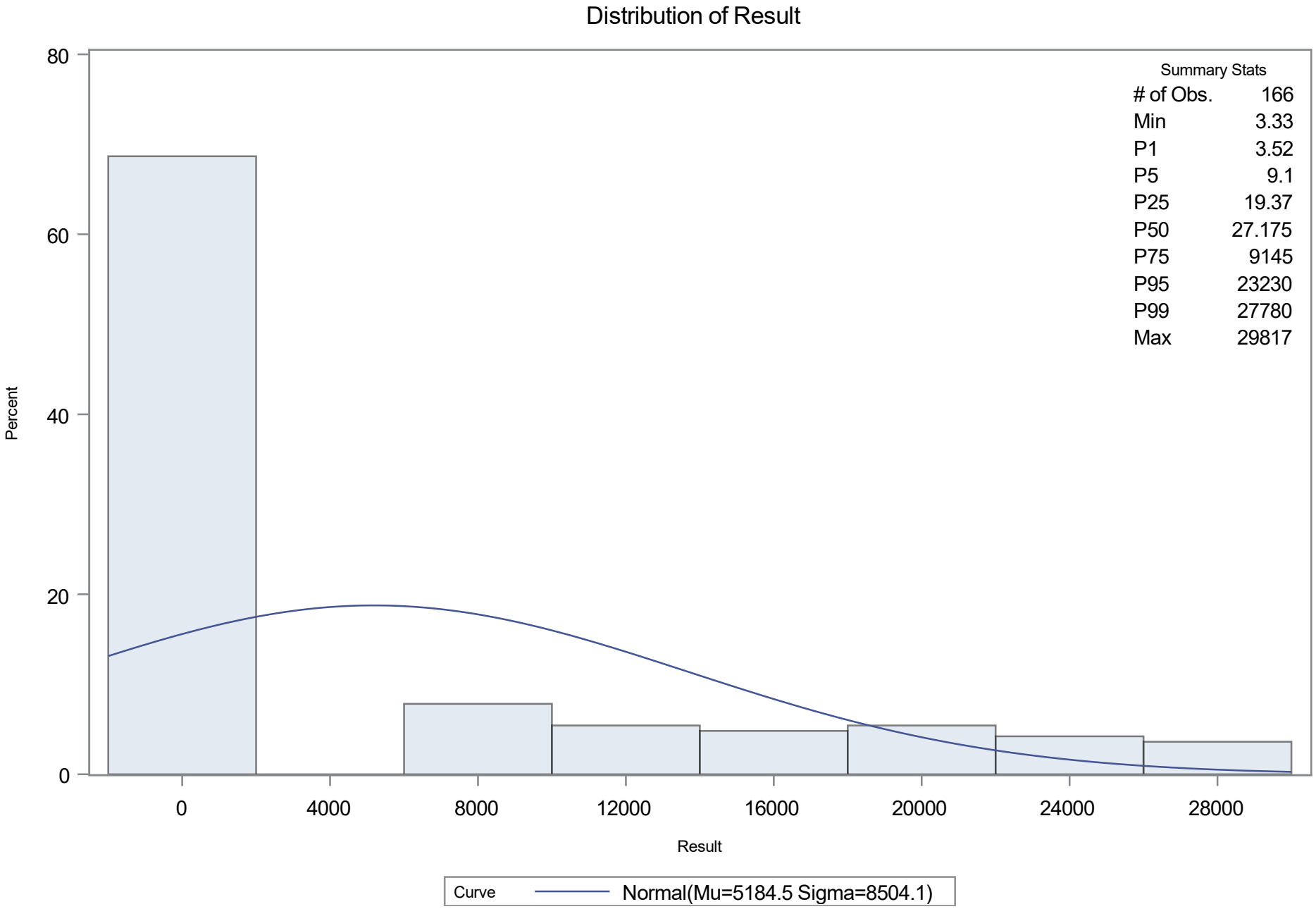
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
30000
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5184.507
Std Dev	Sigma	8504.141

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.4143876	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	5.2413242	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	26.9977128	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.52000	-14599.083
5.0	9.10000	-8803.560
10.0	14.61000	-5713.988
25.0	19.37000	-551.449
50.0	27.17500	5184.507
75.0	9145.00000	10920.462
90.0	20730.00000	16083.002
95.0	23230.00000	19172.573
99.0	27780.00000	24968.096

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

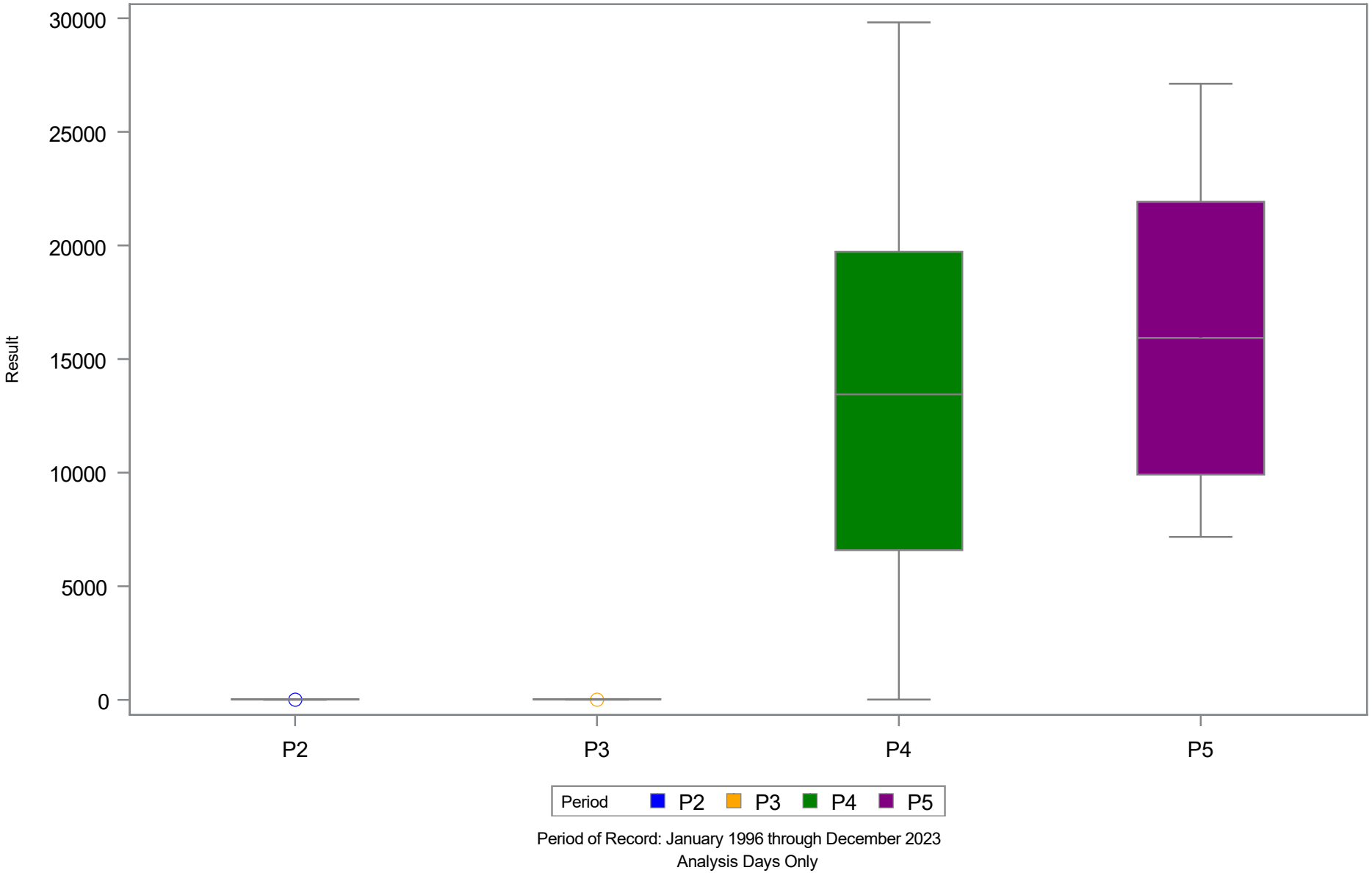
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	71	3.33	15.85	20.17	20.69	25.71	30.72
P3	36	7.60	18.20	24.05	25.55	30.28	33.61
P4	30	14.43	6592.00	12870.44	13446.00	19720.00	29817.00
P5	29	7173.00	9917.00	16283.34	15930.00	21920.00	27116.00

Period of Record: January 1996 through December 2023
Analysis Days Only

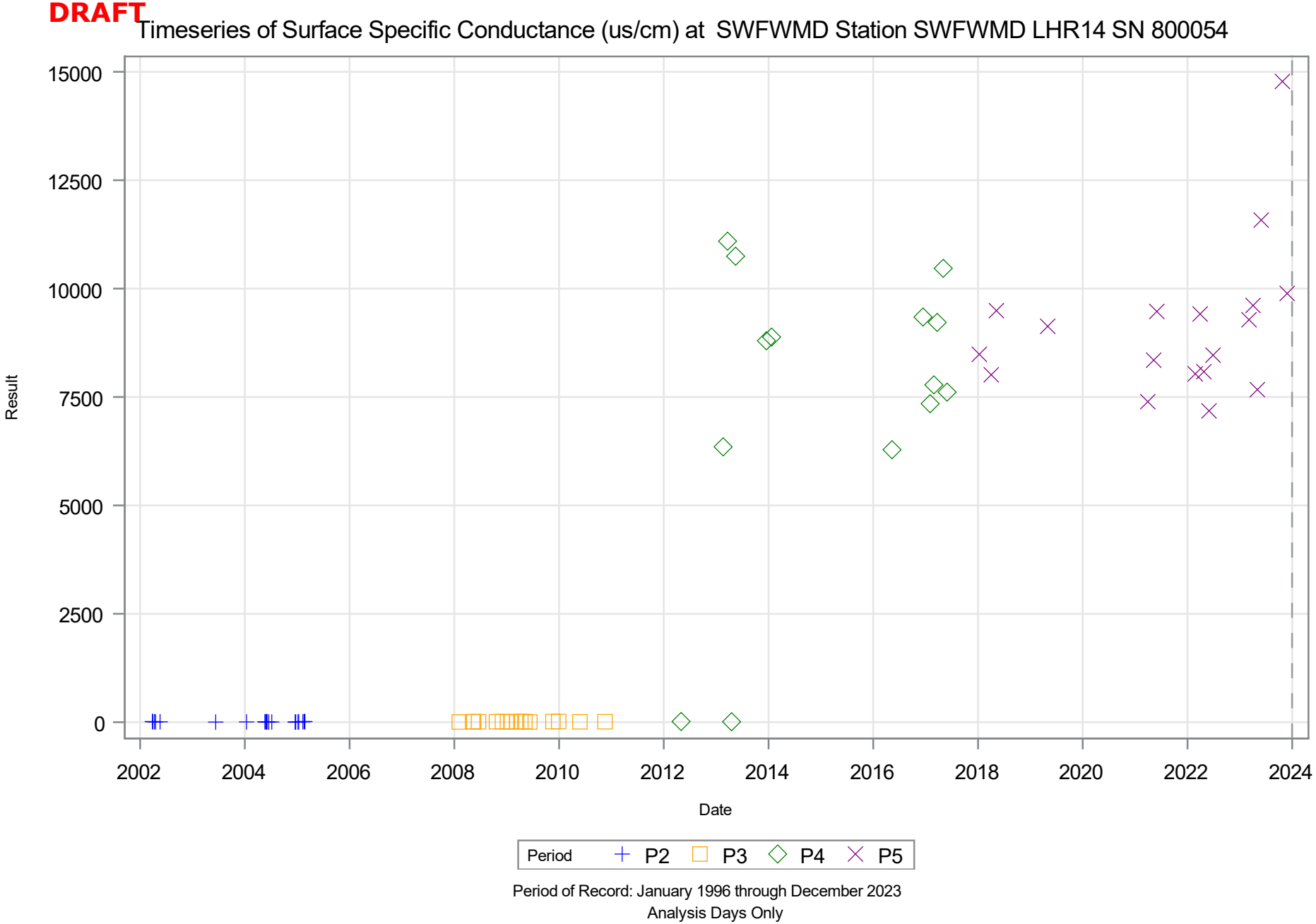
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054



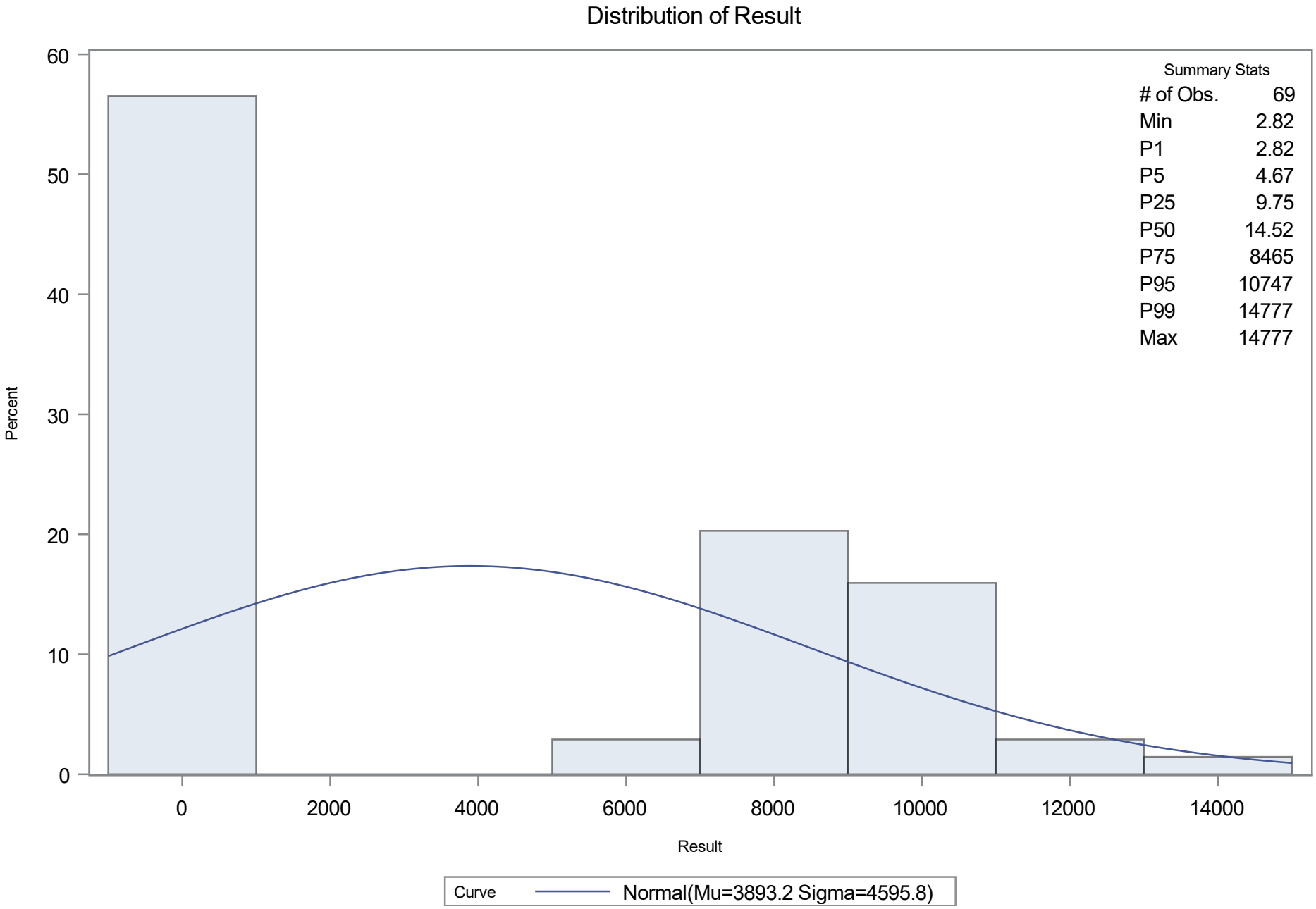
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
15000
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3893.161
Std Dev	Sigma	4595.811

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.36578396	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.55644341	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.69637070	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.82000	-6798.295
5.0	4.67000	-3666.276
10.0	5.37000	-1996.608
25.0	9.75000	793.333
50.0	14.52000	3893.161
75.0	8465.00000	6992.989
90.0	9611.00000	9782.930
95.0	10747.00000	11452.598
99.0	14777.00000	14584.617

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

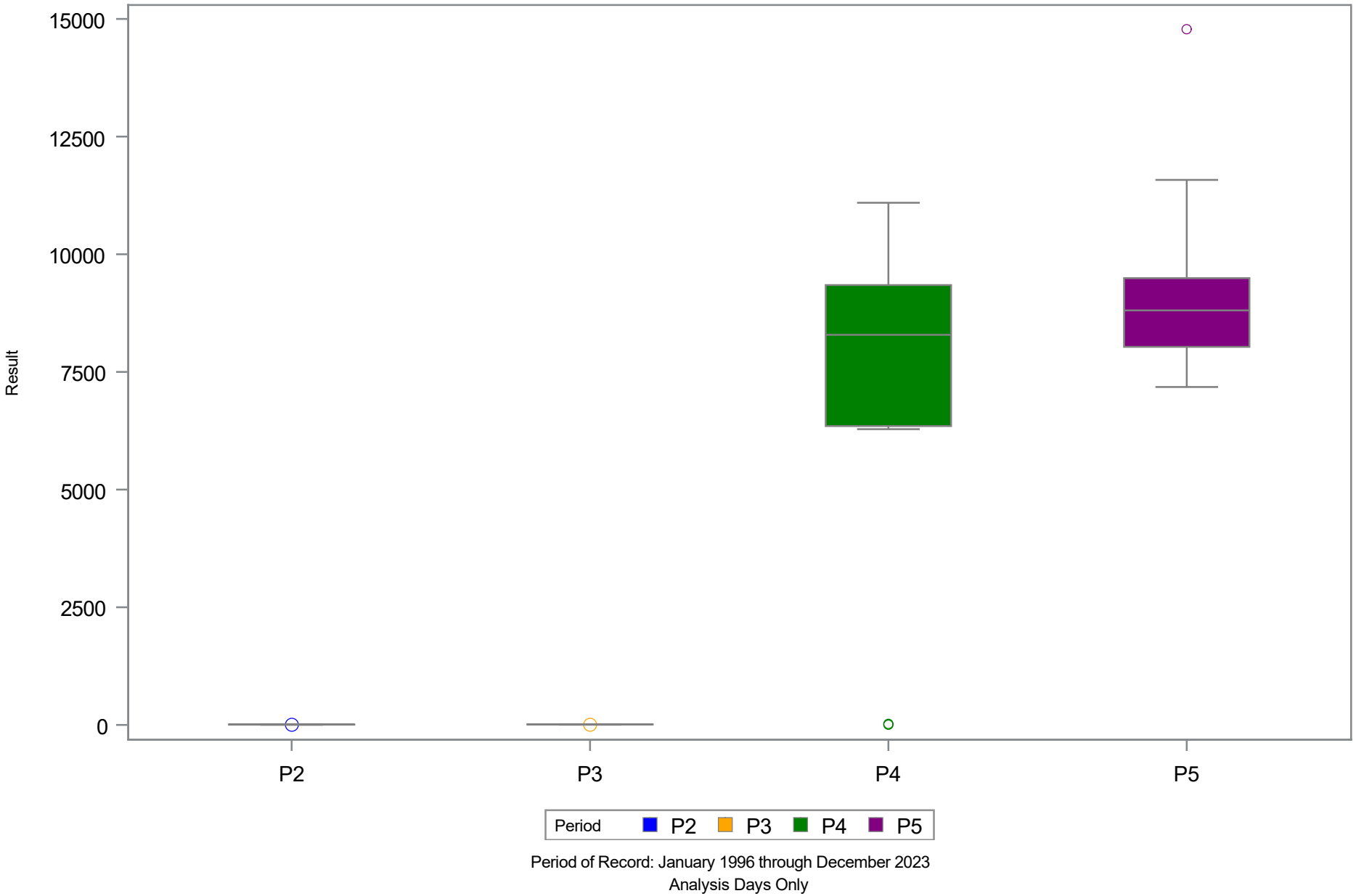
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	2.82	5.80	8.67	8.90	10.78	15.71
P3	16	4.79	9.71	11.00	11.52	13.35	15.18
P4	14	10.07	6350.00	7425.00	8288.50	9345.00	11094.00
P5	18	7180.00	8033.00	9128.89	8807.50	9492.00	14777.00

Period of Record: January 1996 through December 2023
Analysis Days Only

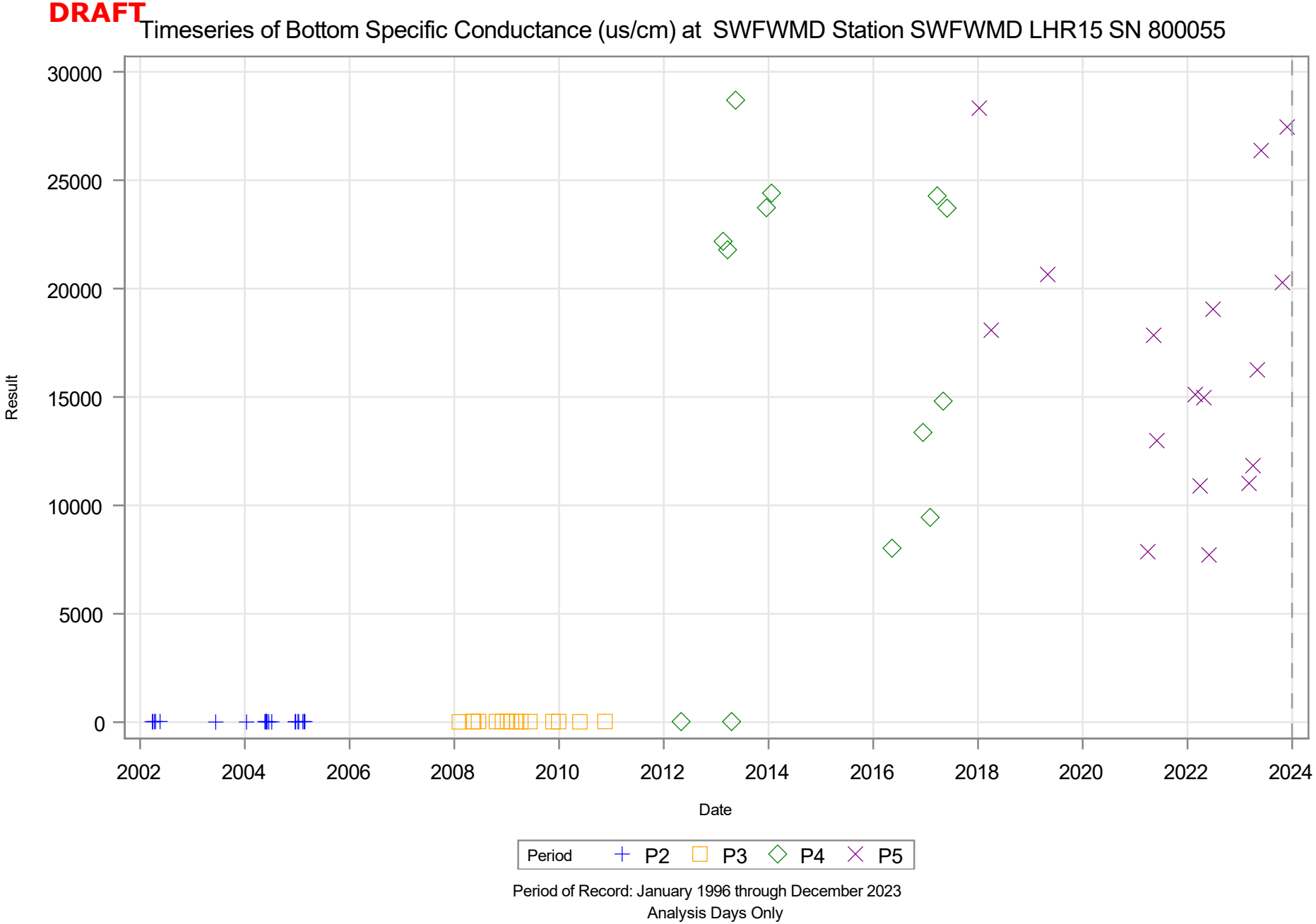
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR14 SN 800054



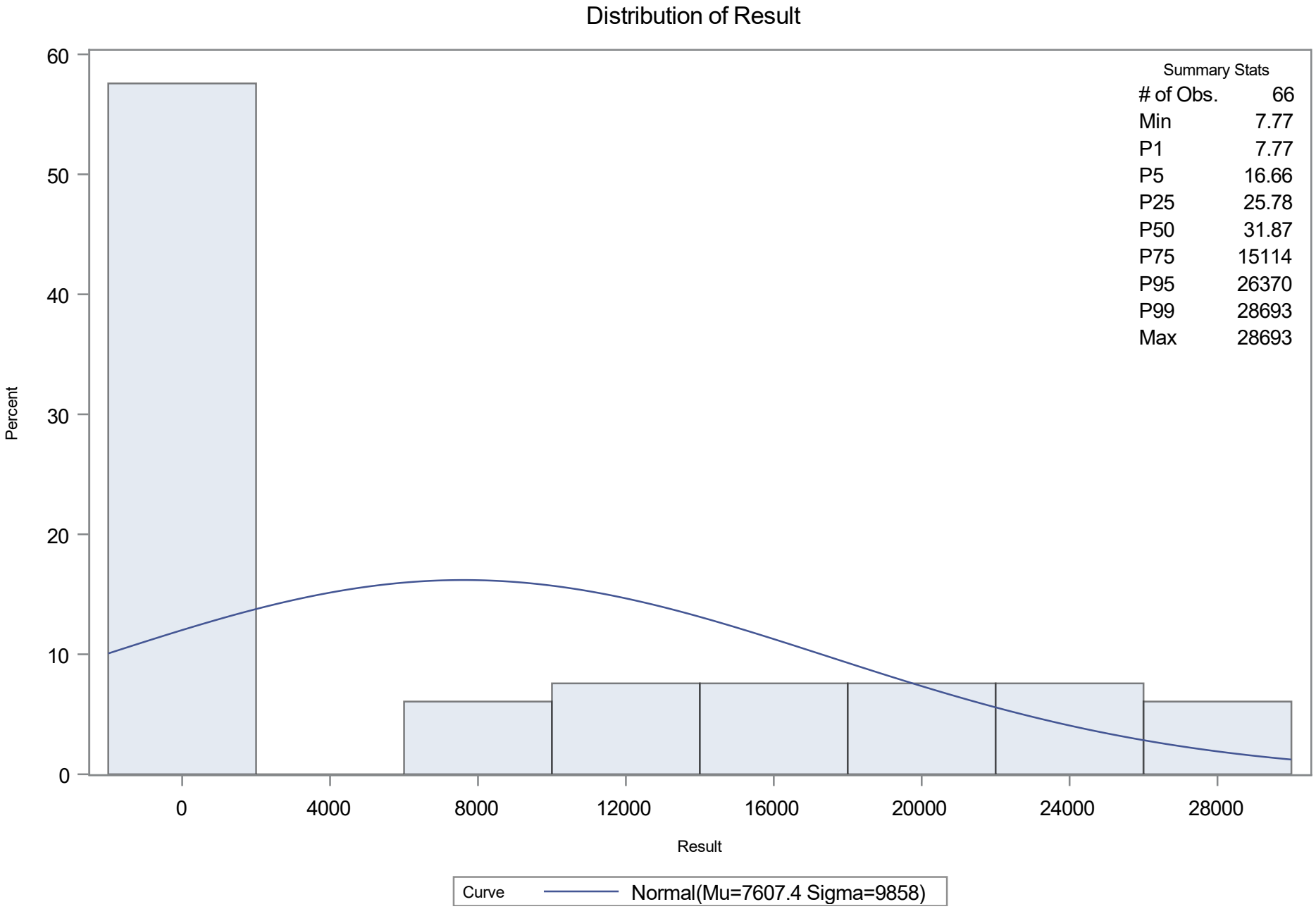
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
30000
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7607.37
Std Dev	Sigma	9858.033

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.35459295	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.29304335	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.26150079	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.77000	-15325.844
5.0	16.66000	-8607.651
10.0	19.55000	-5026.208
25.0	25.78000	958.228
50.0	31.87000	7607.370
75.0	15114.00000	14256.513
90.0	23730.00000	20240.949
95.0	26370.00000	23822.392
99.0	28693.00000	30540.585

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

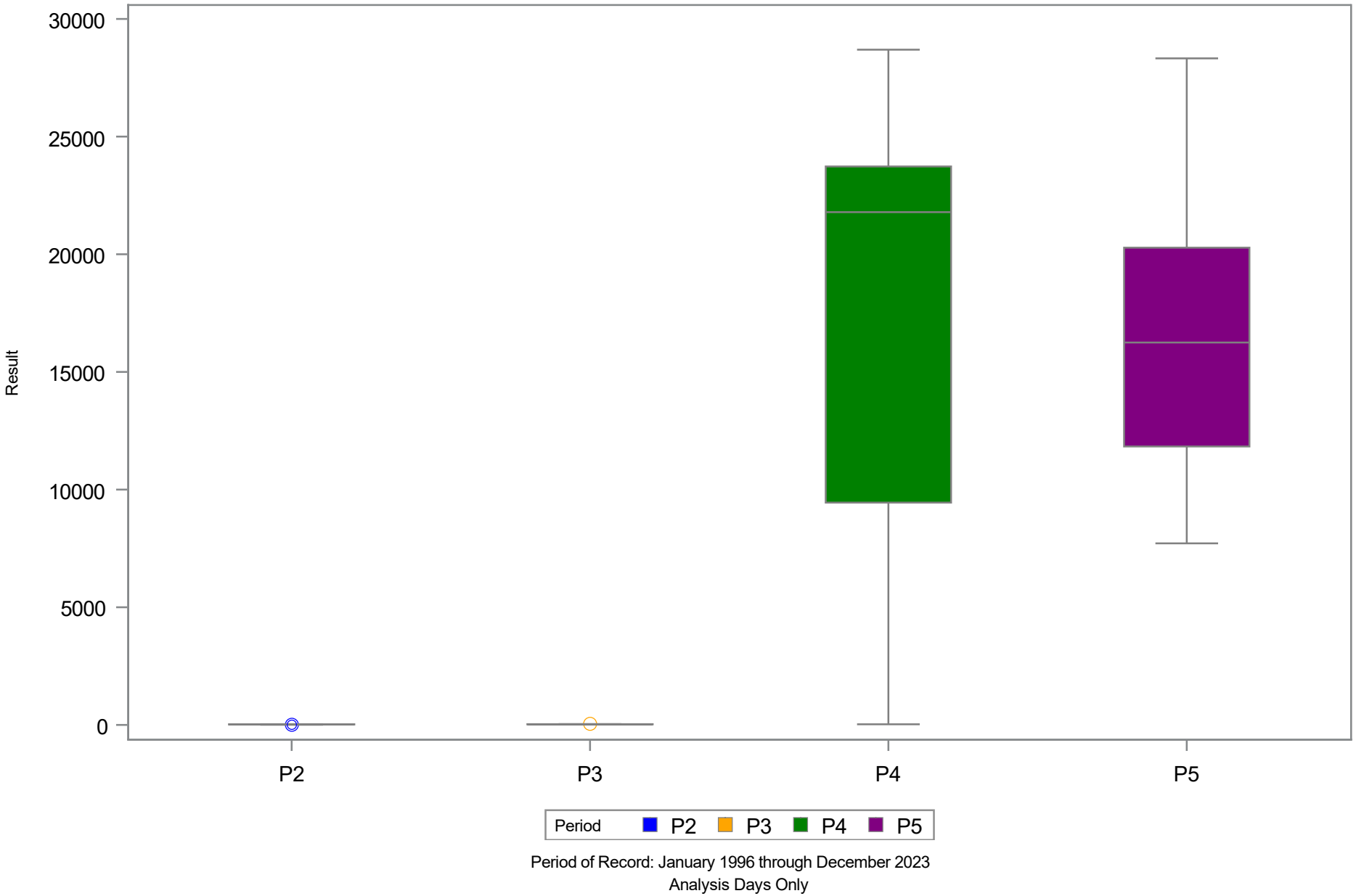
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	7.77	19.59	22.45	24.11	27.43	31.72
P3	15	17.67	24.72	27.63	27.75	32.18	33.78
P4	13	27.75	9447.00	16499.13	21790.00	23730.00	28693.00
P5	17	7716.00	11833.00	16865.41	16250.00	20280.00	28324.00

Period of Record: January 1996 through December 2023
Analysis Days Only

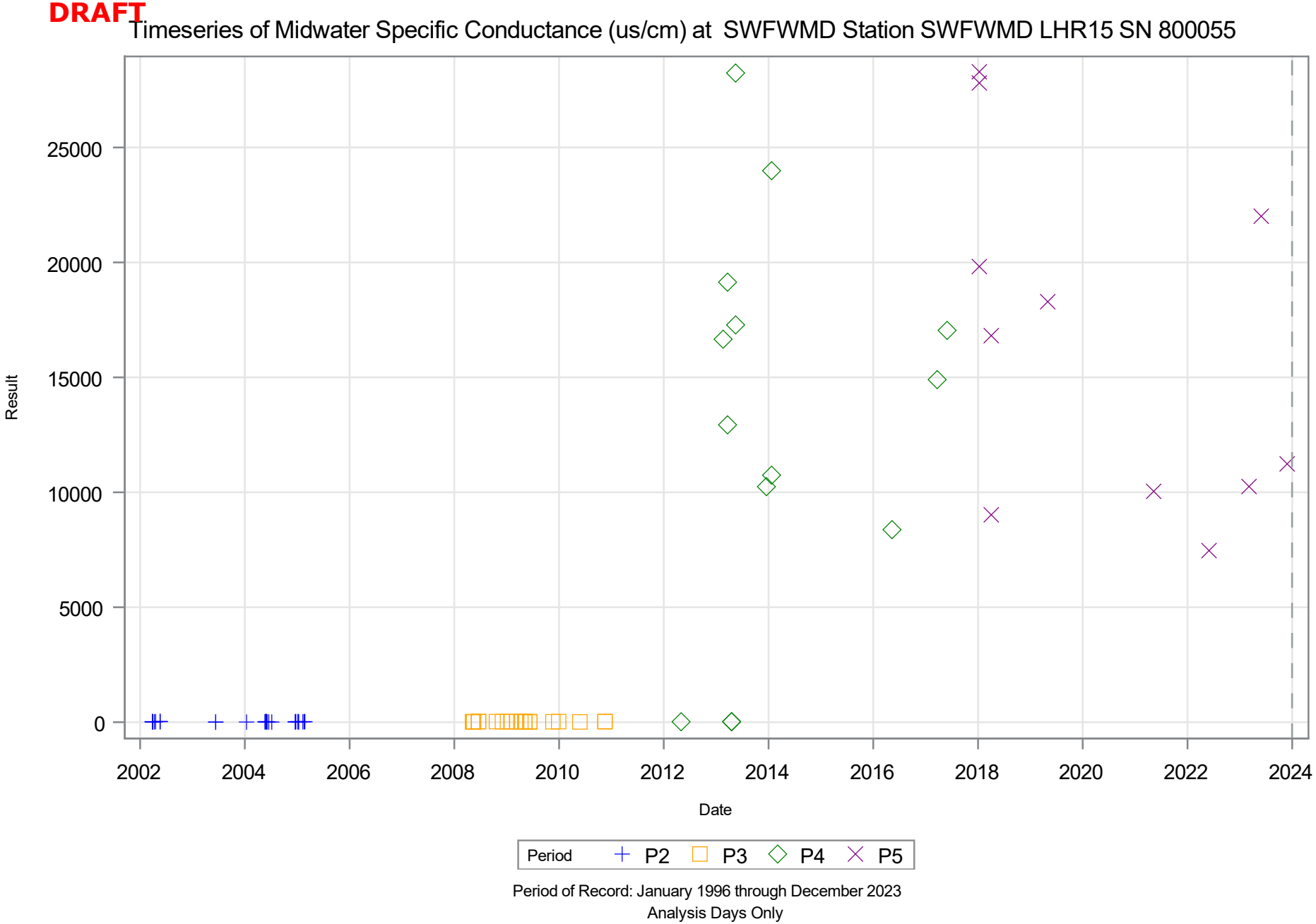
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055



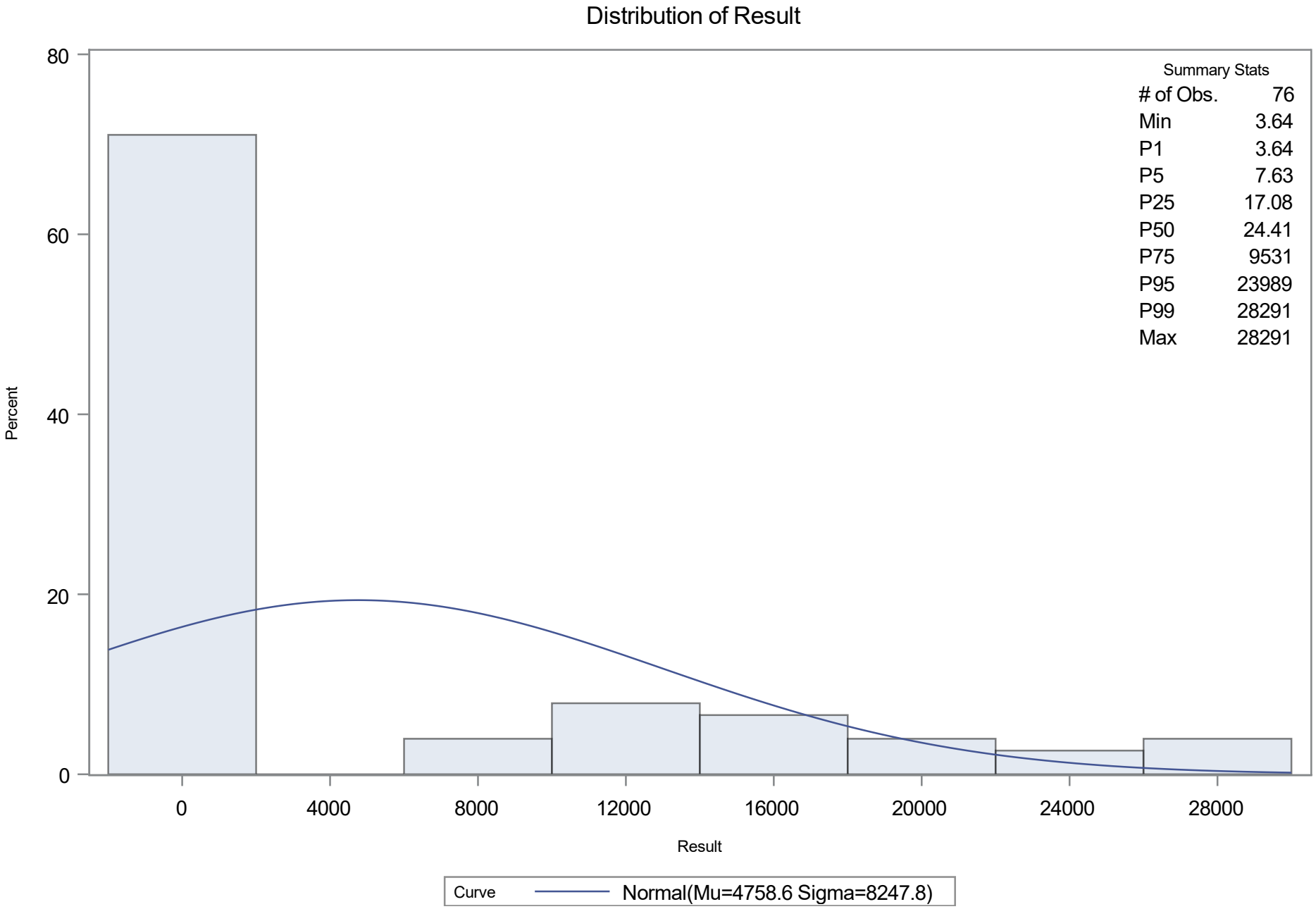
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4758.639
Std Dev	Sigma	8247.837

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.4272449	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.5959480	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.0763526	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.64000	-14428.699
5.0	7.63000	-8807.846
10.0	10.97000	-5811.390
25.0	17.08000	-804.443
50.0	24.41000	4758.639
75.0	9531.00000	10321.720
90.0	18291.00000	15328.667
95.0	23989.00000	18325.123
99.0	28291.00000	23945.976

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

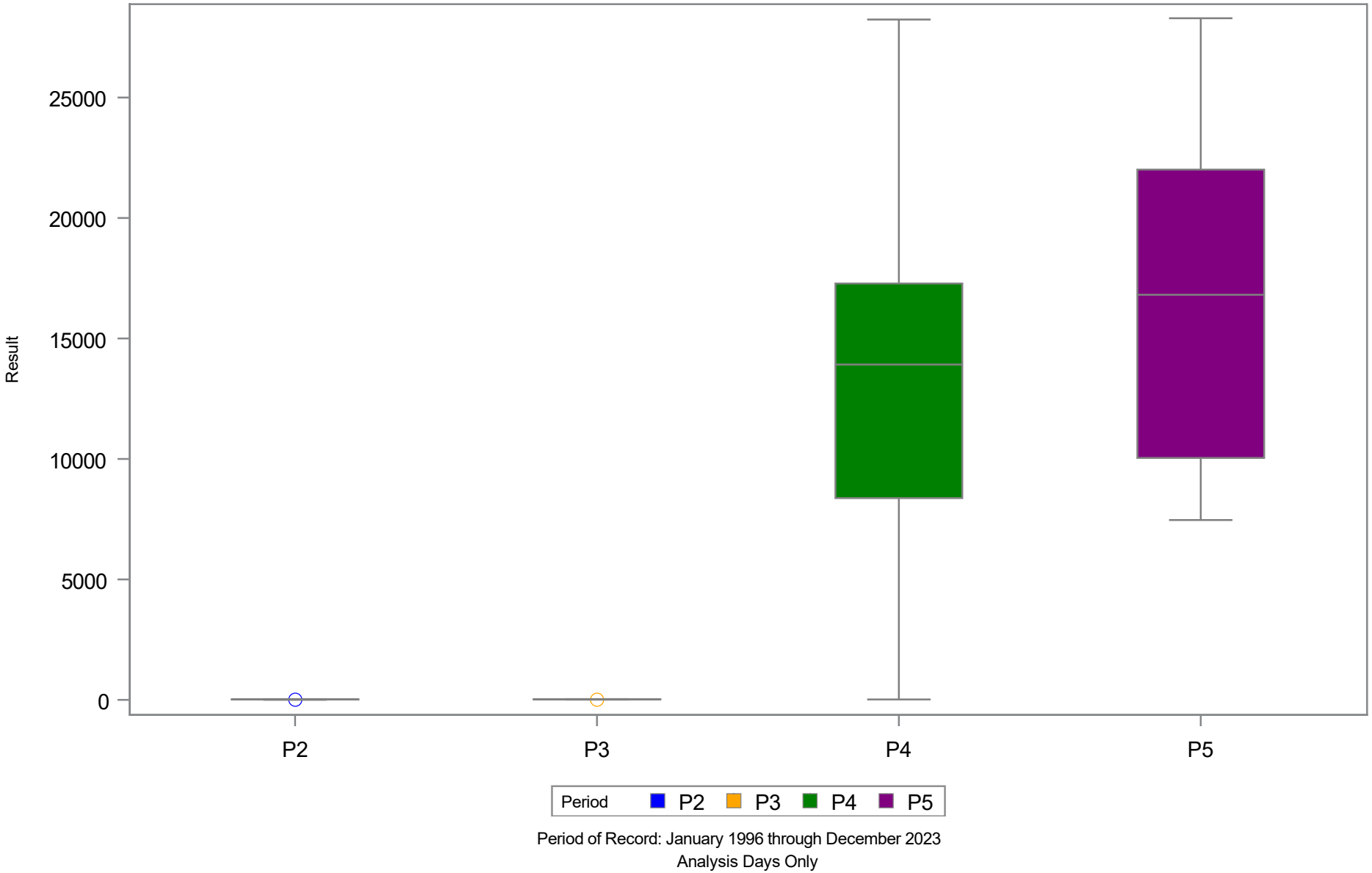
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	31	3.64	14.09	17.91	17.75	22.55	31.37
P3	20	10.01	18.27	22.13	23.07	25.76	31.63
P4	14	17.00	8375.00	12829.70	13918.00	17282.00	28237.00
P5	11	7464.00	10042.00	16458.45	16814.00	22009.00	28291.00

Period of Record: January 1996 through December 2023
Analysis Days Only

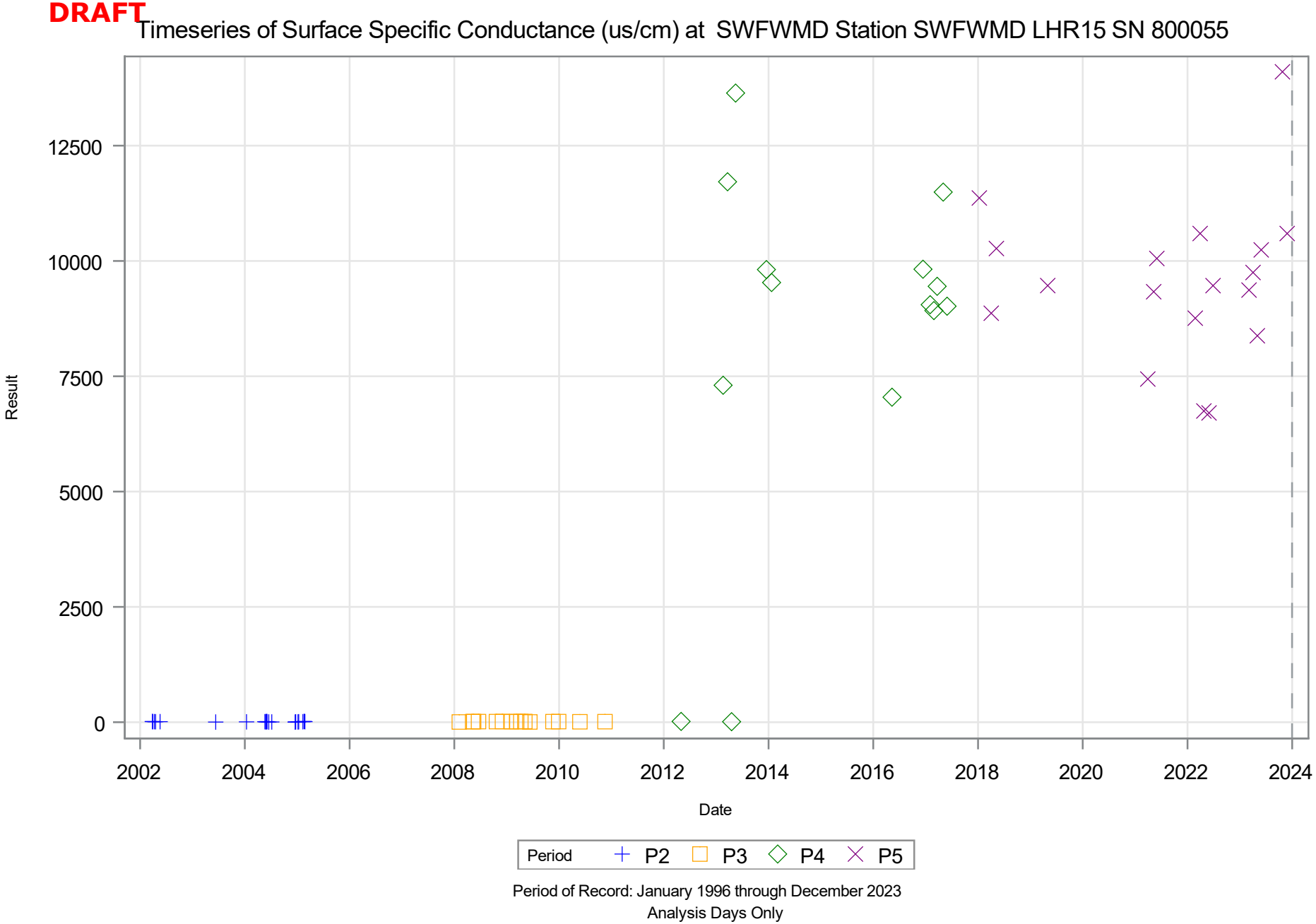
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055



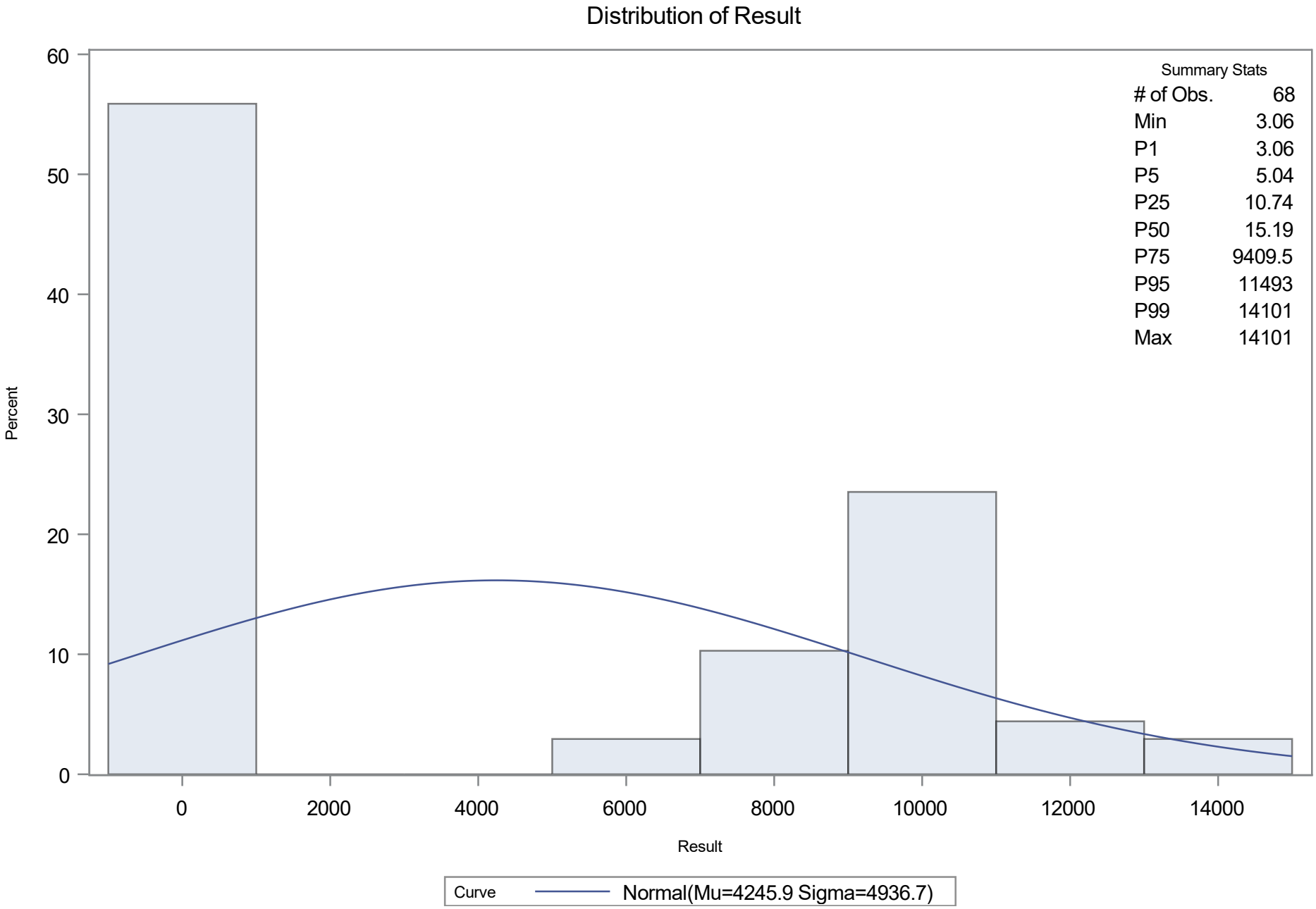
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
12500
10000
7500
5000
2500
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4245.864
Std Dev	Sigma	4936.692

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.36297615	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.51388631	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.55586590	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.06000	-7238.600
5.0	5.04000	-3874.273
10.0	5.59000	-2080.762
25.0	10.74000	916.115
50.0	15.19000	4245.864
75.0	9409.50000	7575.612
90.0	10595.00000	10572.489
95.0	11493.00000	12366.000
99.0	14101.00000	15730.327

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

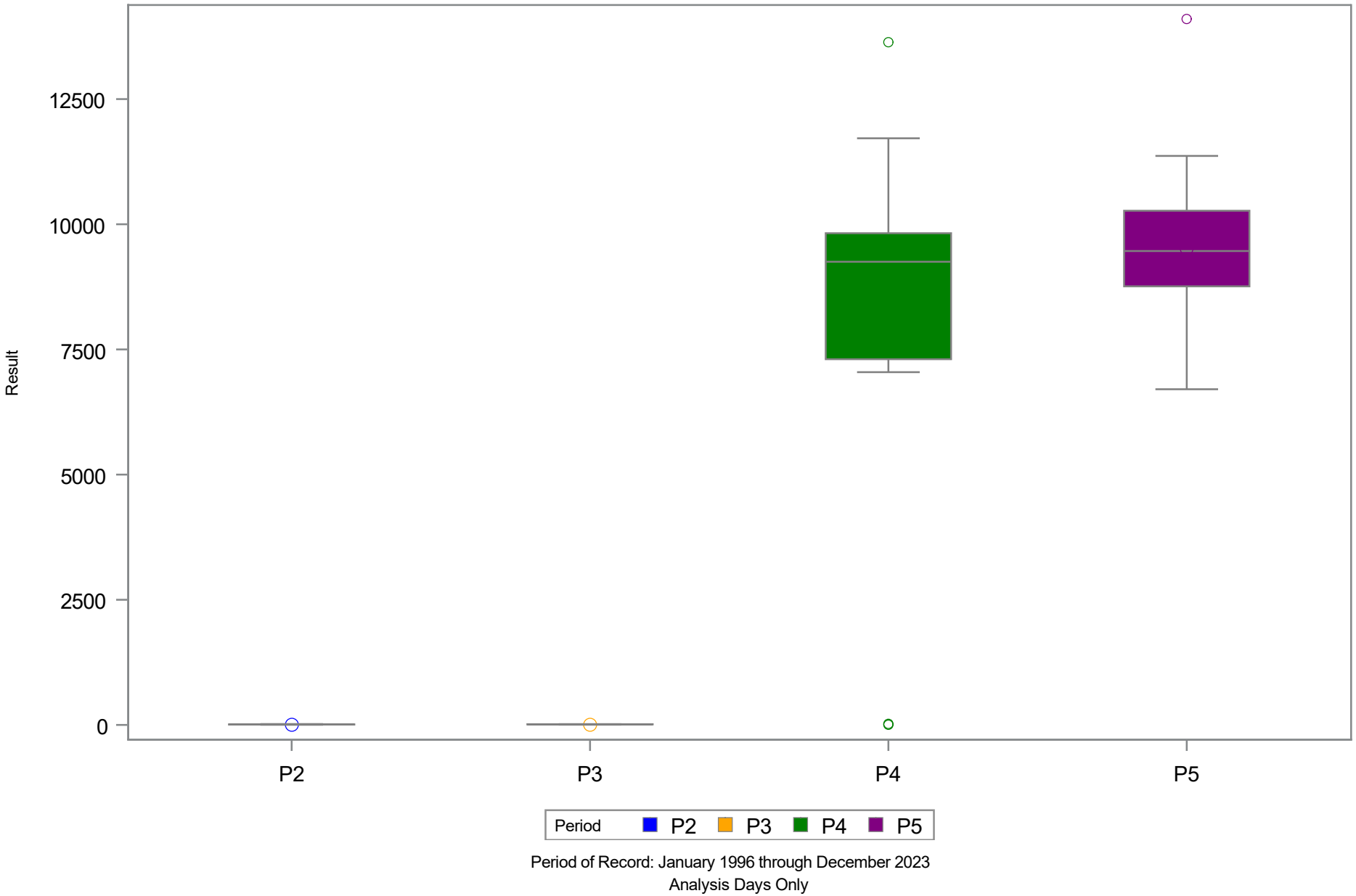
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	3.06	7.41	9.54	10.20	11.50	17.35
P3	15	5.04	10.39	11.93	12.94	14.02	15.74
P4	14	10.60	7305.00	8345.67	9251.00	9821.00	13640.00
P5	18	6705.00	8760.00	9527.78	9465.50	10270.00	14101.00

Period of Record: January 1996 through December 2023
Analysis Days Only

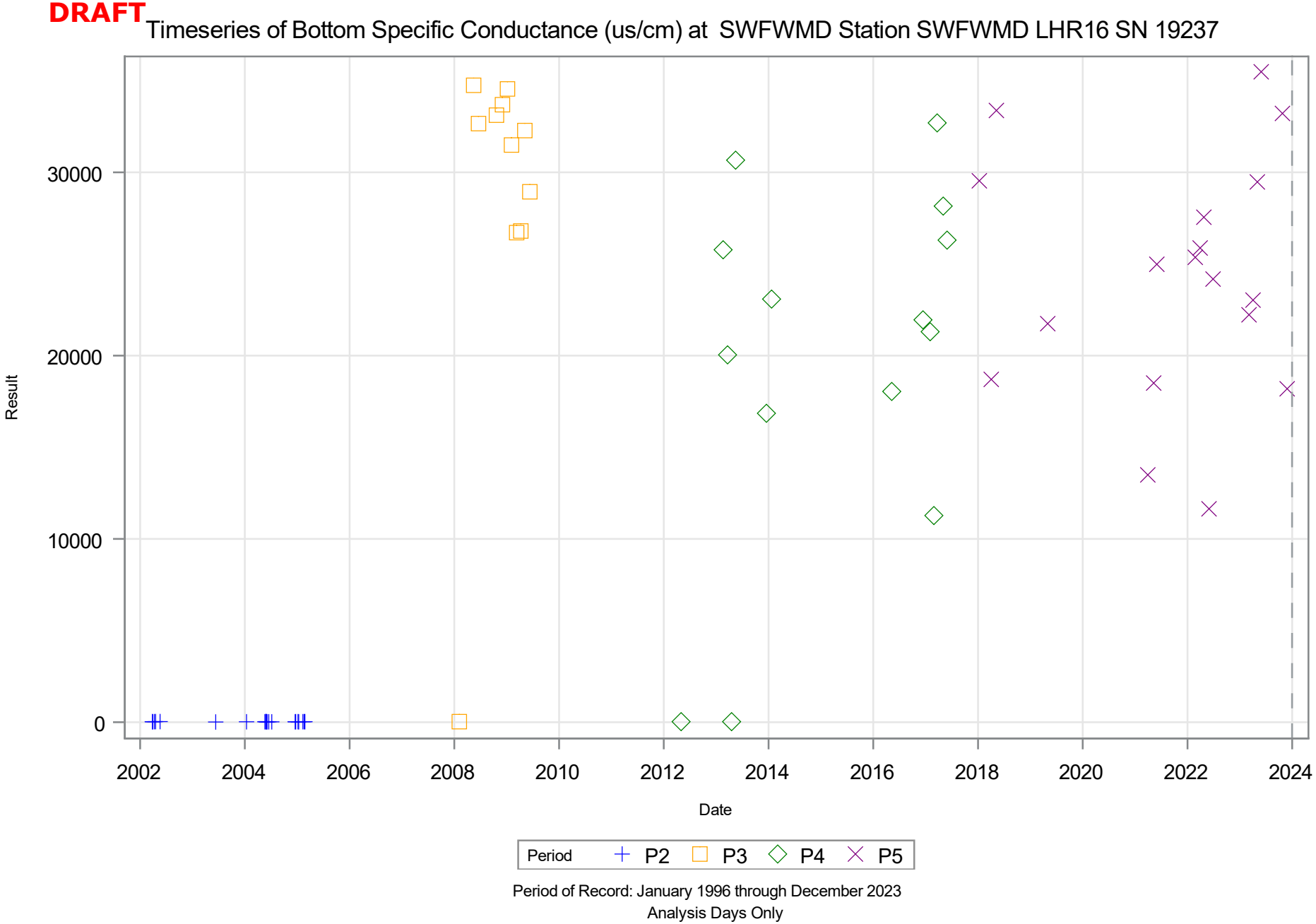
DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR15 SN 800055



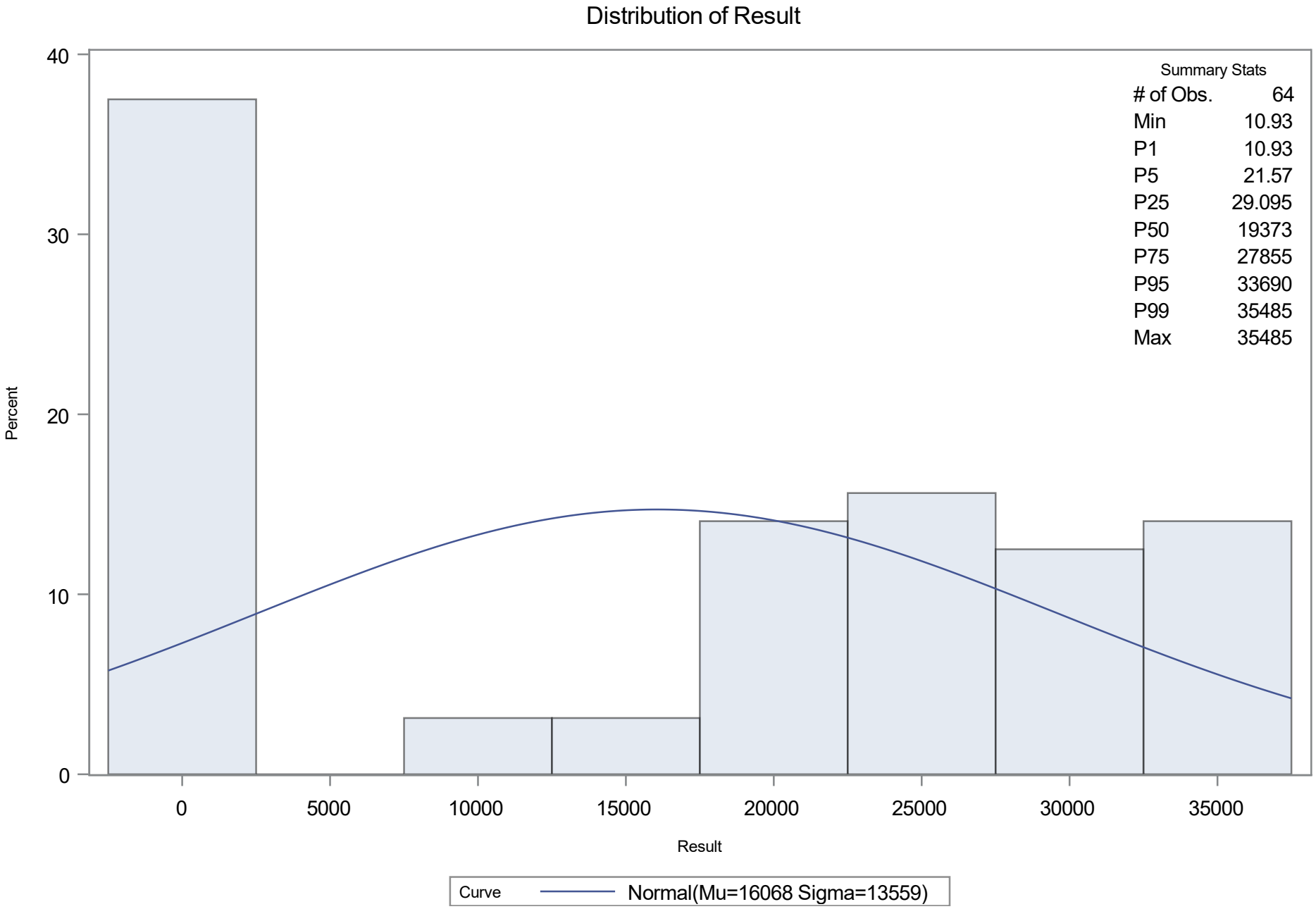
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
30000
20000
10000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16067.68
Std Dev	Sigma	13558.52

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25652809	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.63239492	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.33280466	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.9300	-15474.15
5.0	21.5700	-6234.10
10.0	22.2700	-1308.26
25.0	29.0950	6922.60
50.0	19373.0000	16067.68
75.0	27855.0000	25212.77
90.0	33120.0000	33443.63
95.0	33690.0000	38369.46
99.0	35485.0000	47609.52

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

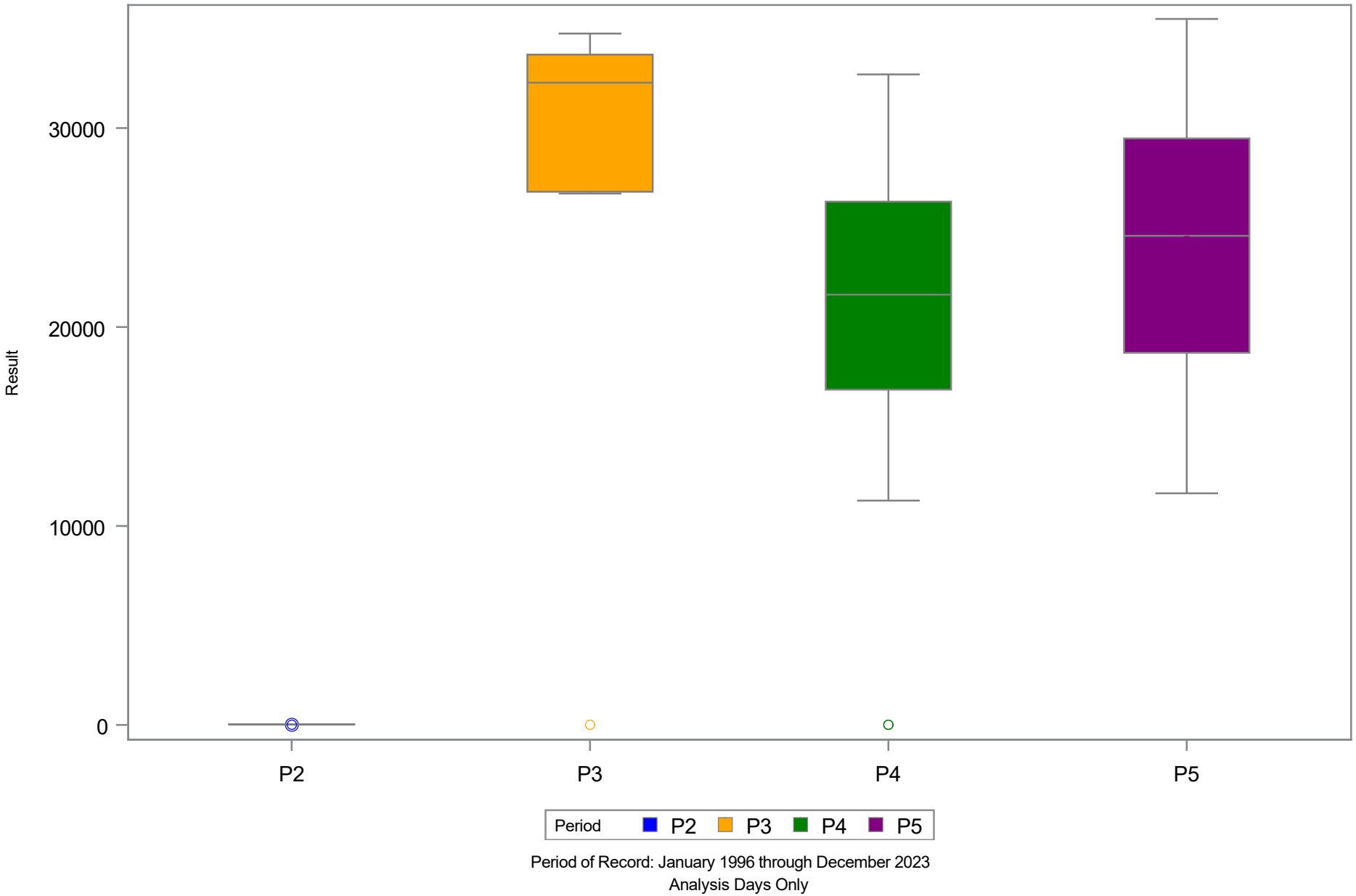
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	10.93	21.74	25.00	25.94	28.94	32.56
P3	11	30.00	26800.00	28638.18	32280.00	33690.00	34750.00
P4	14	29.25	16854.00	19729.40	21628.00	26301.00	32697.00
P5	18	11642.00	18704.00	24254.17	24581.50	29476.00	35485.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

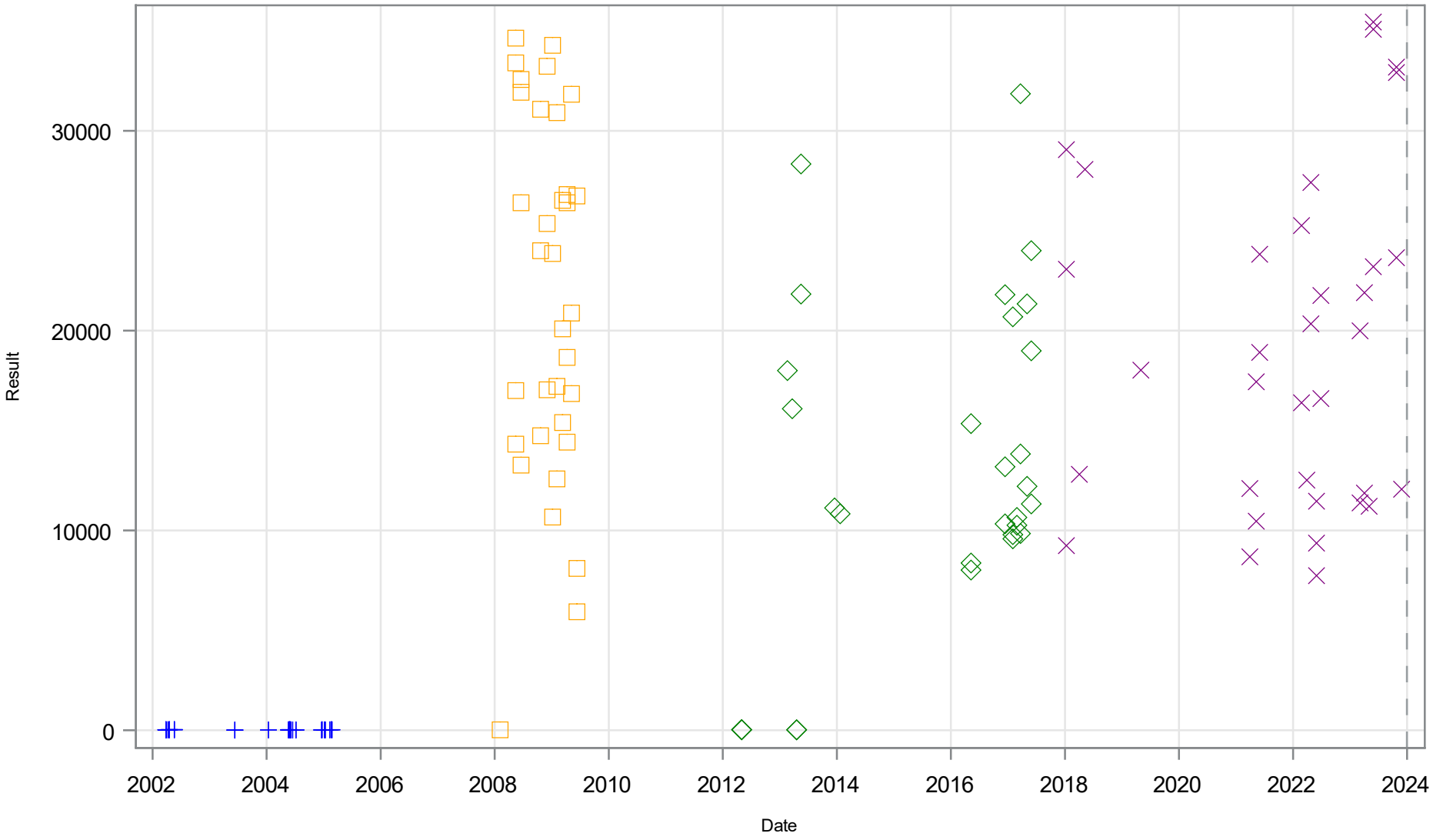
Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

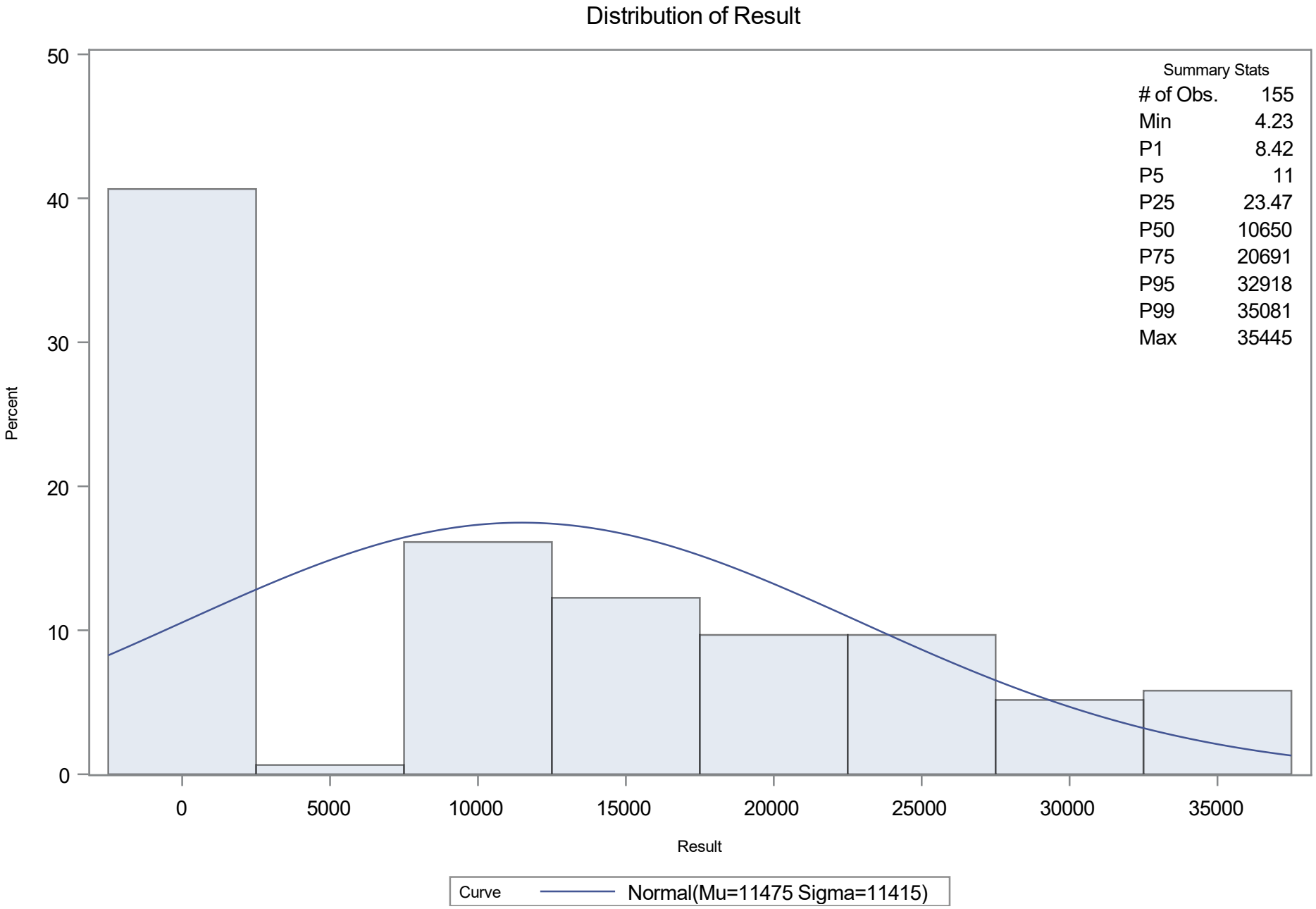
Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11474.51
Std Dev	Sigma	11415.23

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24836431	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.09954358	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.69793463	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8.42000	-15081.30
5.0	11.00000	-7301.88
10.0	16.54000	-3154.70
25.0	23.47000	3775.05
50.0	10650.00000	11474.51
75.0	20691.00000	19173.97
90.0	28341.00000	26103.72
95.0	32918.00000	30250.90
99.0	35081.00000	38030.32

Period of Record: January 1996 through December 2023
Analysis Days Only

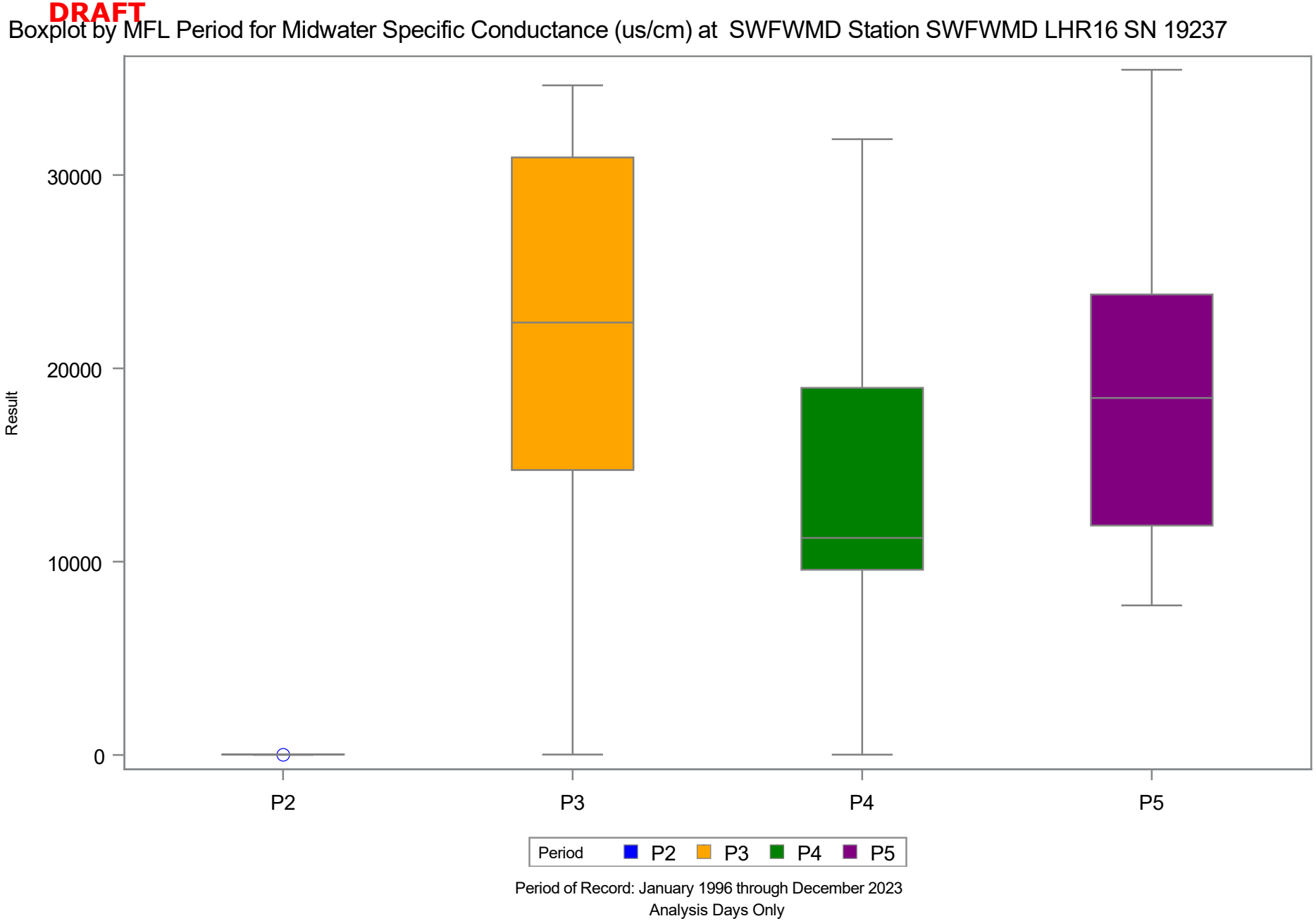
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237

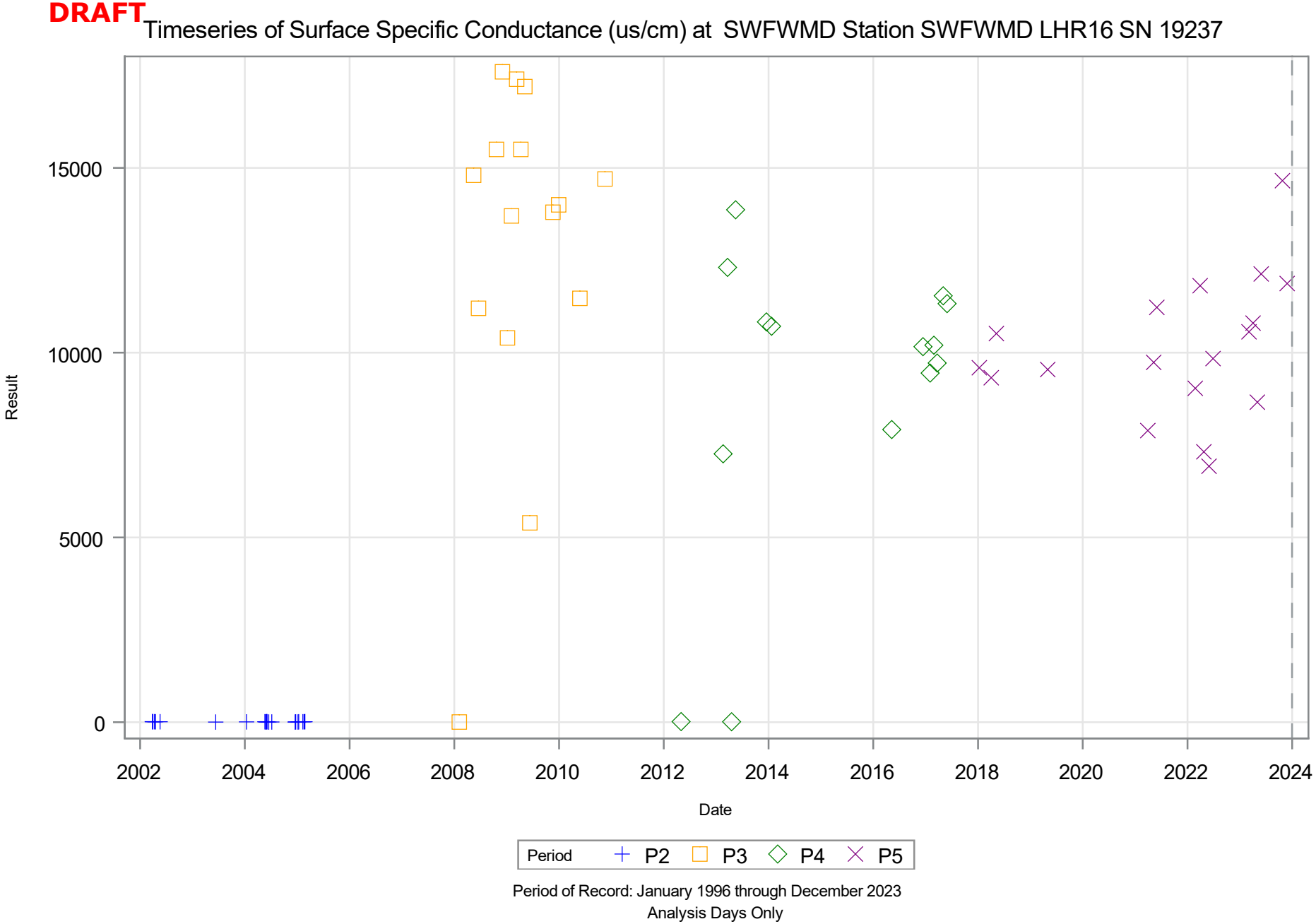
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	57	4.23	16.54	21.42	22.19	27.31	32.45
P3	34	22.10	14740.00	21680.65	22370.00	30910.00	34640.00
P4	30	15.63	9582.00	12925.50	11228.00	18990.00	31855.00
P5	34	7737.00	11870.00	19188.85	18467.00	23822.00	35445.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

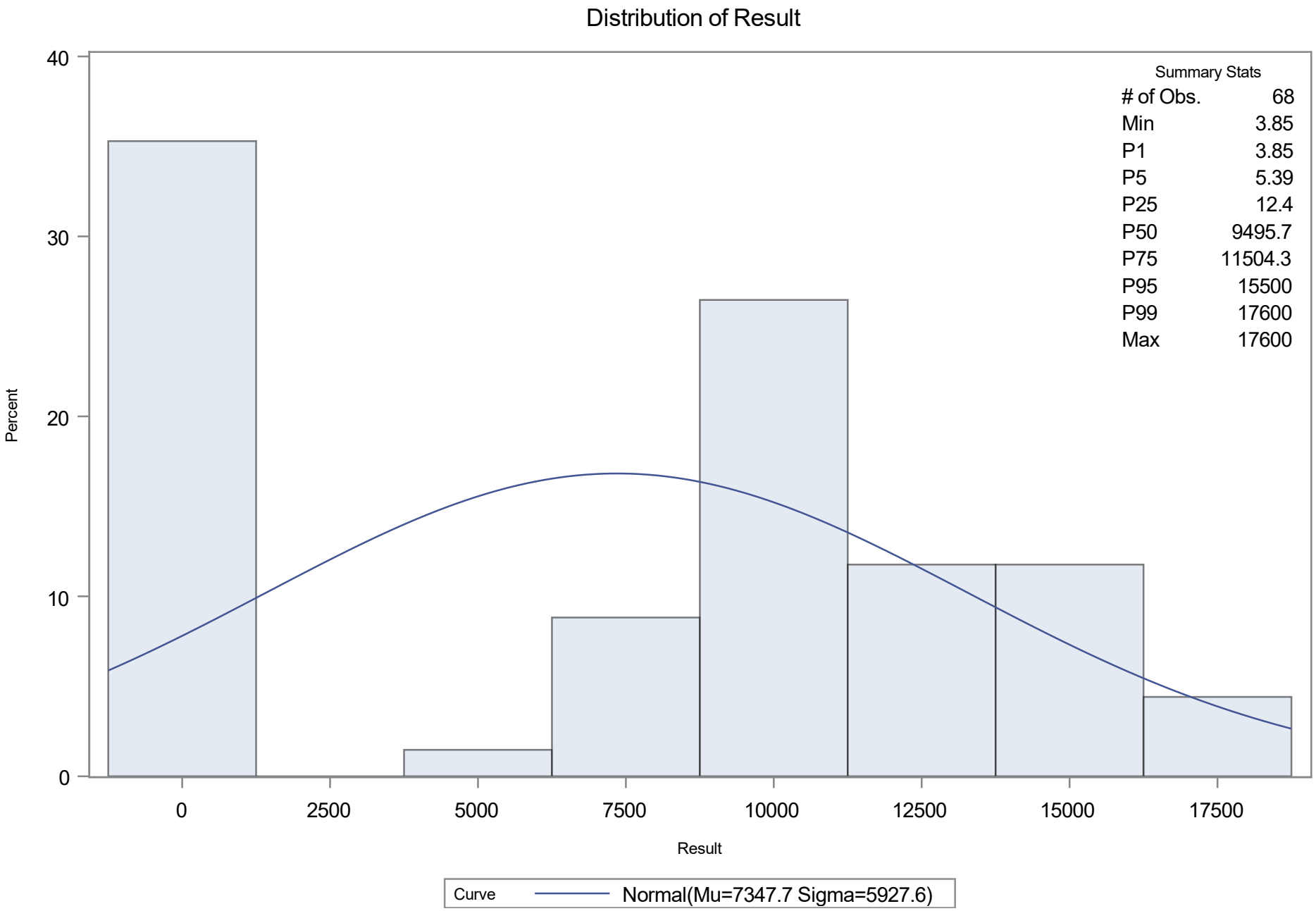

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
30000
20000
10000
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7347.712
Std Dev	Sigma	5927.552

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24485004	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.62421307	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.13208107	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.85000	-6441.836
5.0	5.39000	-2402.243
10.0	8.34000	-248.751
25.0	12.40000	3349.639
50.0	9495.70000	7347.712
75.0	11504.30000	11345.785
90.0	14700.00000	14944.176
95.0	15500.00000	17097.668
99.0	17600.00000	21137.260

Period of Record: January 1996 through December 2023
Analysis Days Only

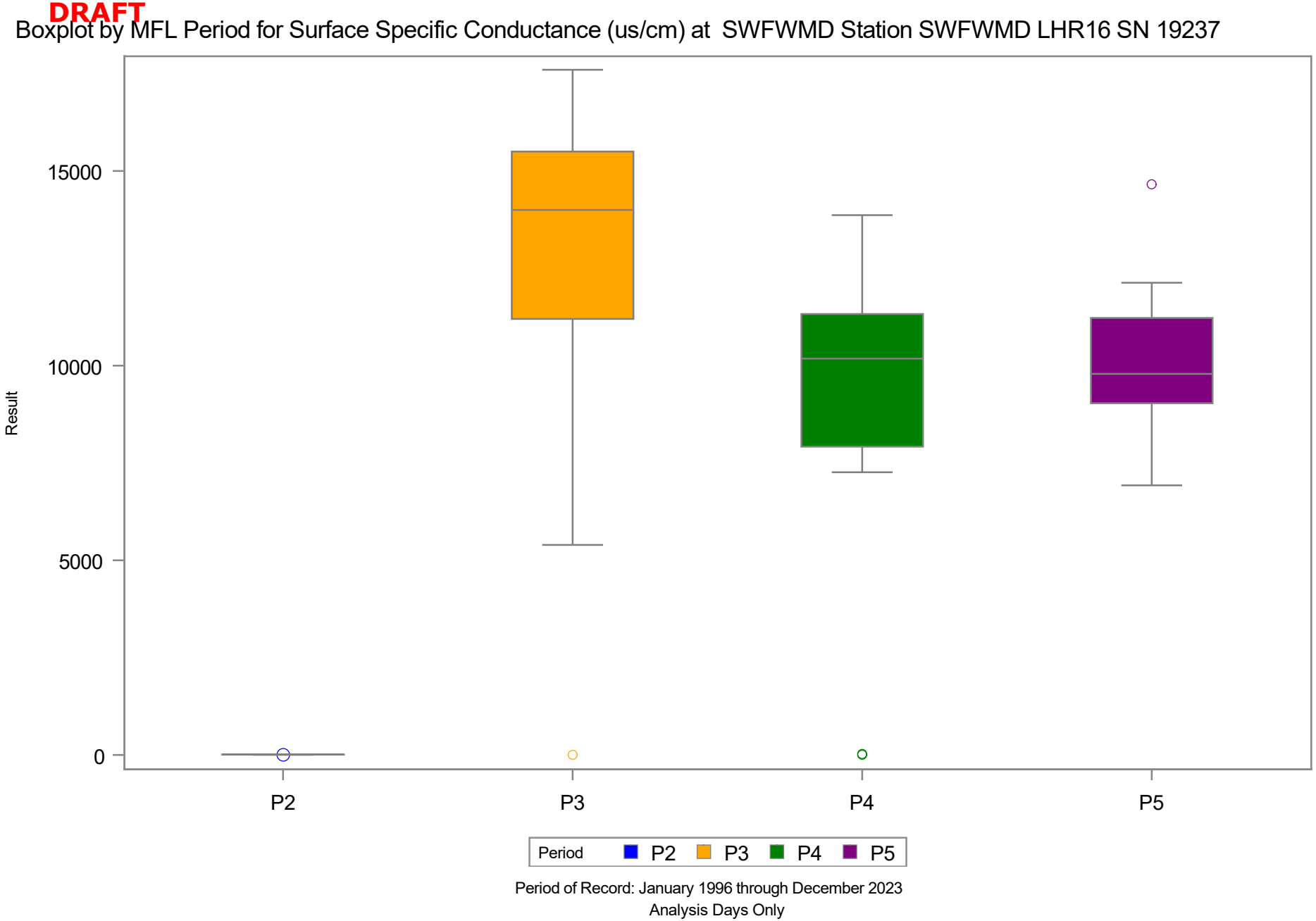
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	3.85	8.34	10.20	11.31	12.52	15.26
P3	15	5.39	11200.00	12844.69	14000.00	15500.00	17600.00
P4	14	11.65	7919.30	8951.64	10181.55	11326.40	13866.00
P5	18	6926.00	9035.00	10079.83	9788.50	11225.00	14654.00

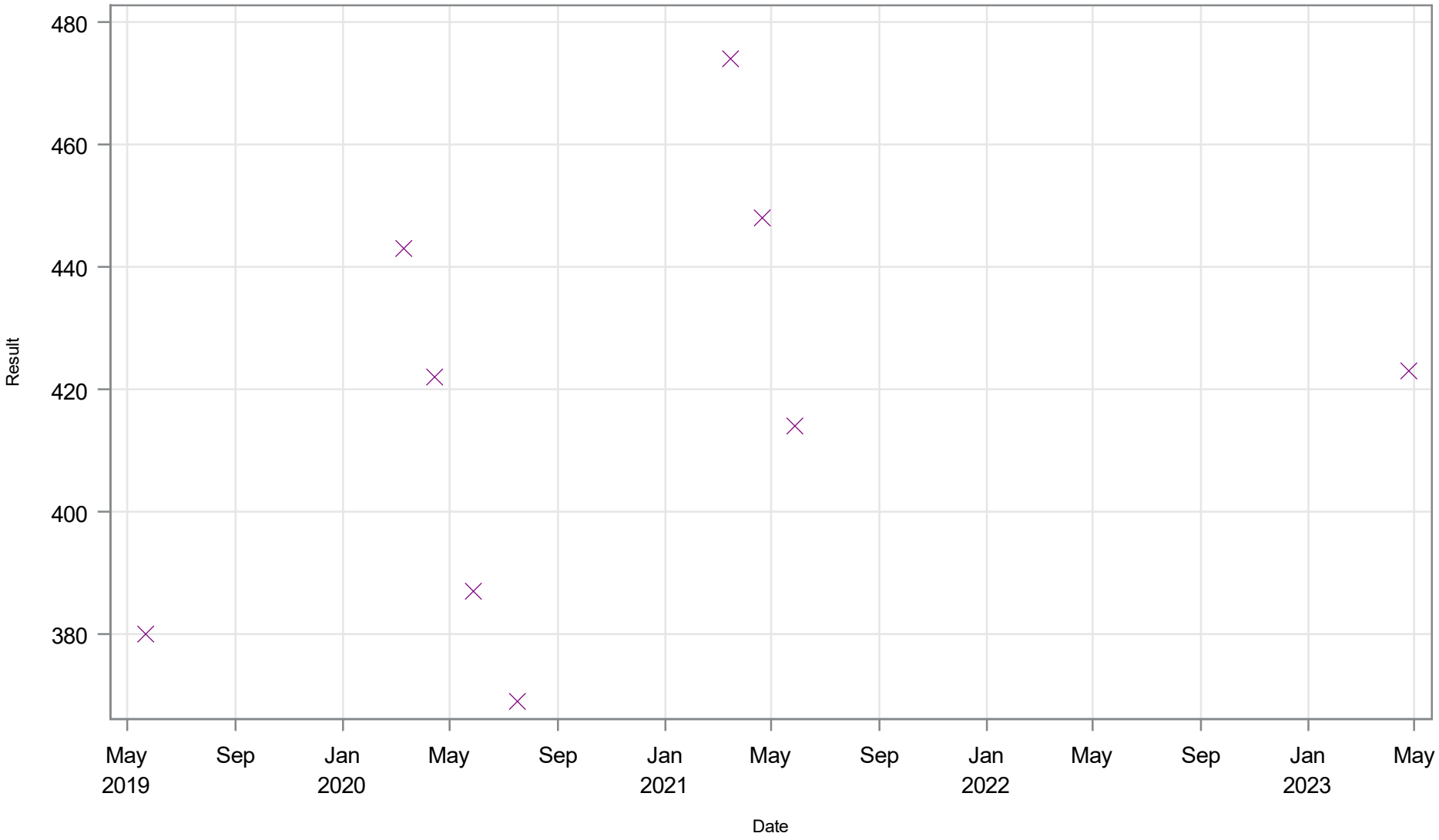
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
15000
10000
5000
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

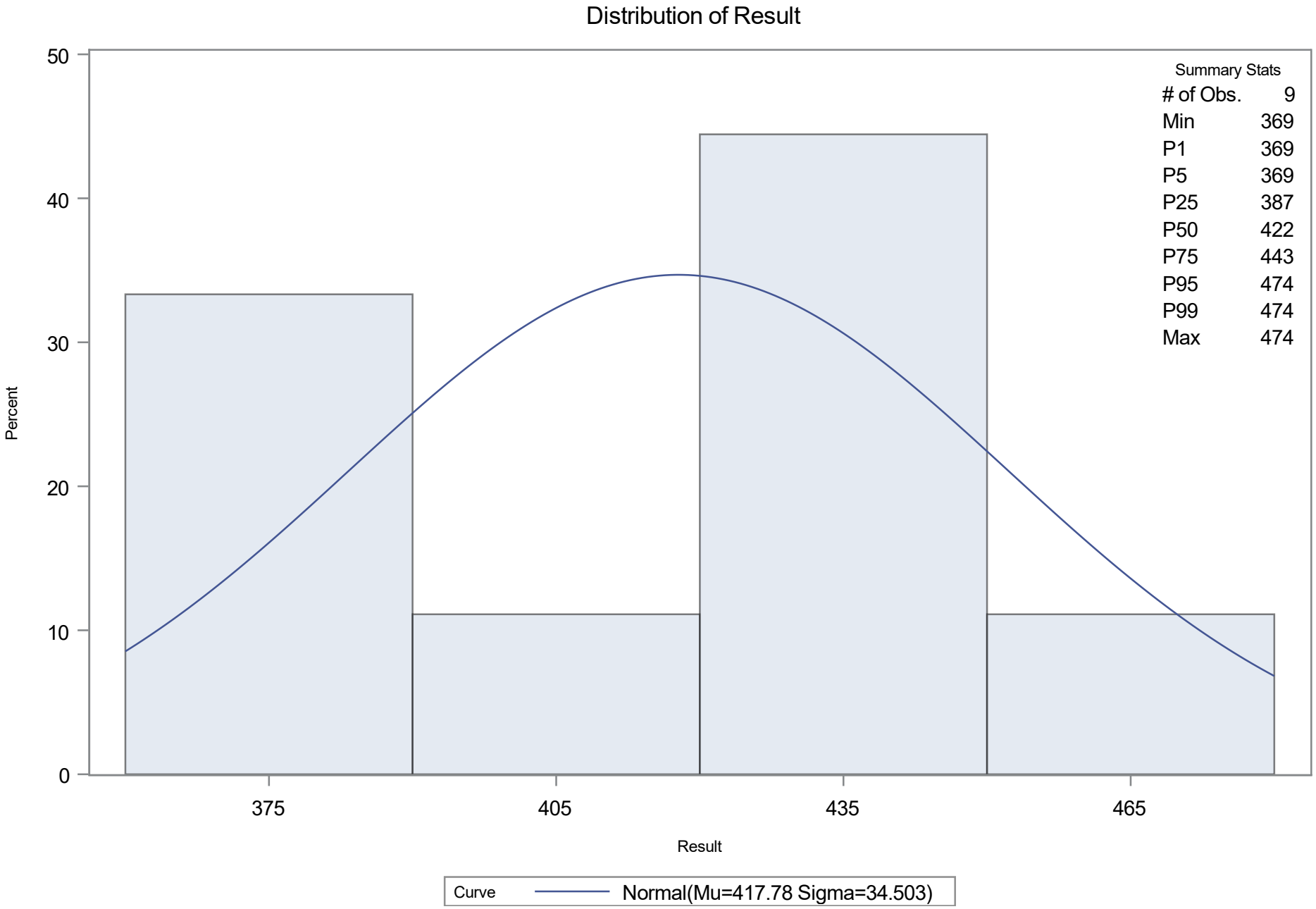
DRAFT

Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	417.7778
Std Dev	Sigma	34.50282

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14714669	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03125093	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20223791	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	369.000	337.512
5.0	369.000	361.026
10.0	369.000	373.561
25.0	387.000	394.506
50.0	422.000	417.778
75.0	443.000	441.050
90.0	474.000	461.995
95.0	474.000	474.530
99.0	474.000	498.043

Period of Record: January 1996 through December 2023
Analysis Days Only

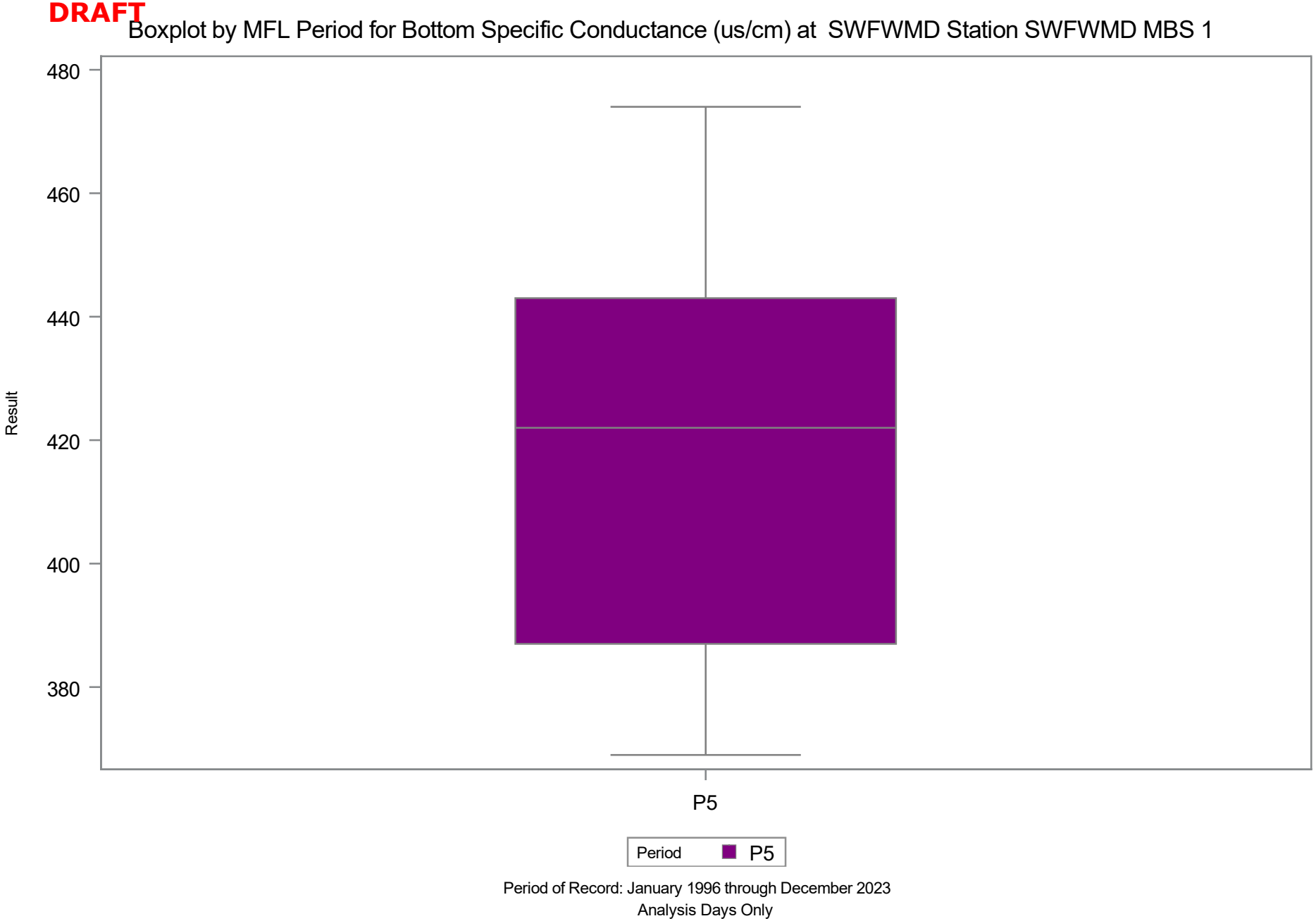
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1

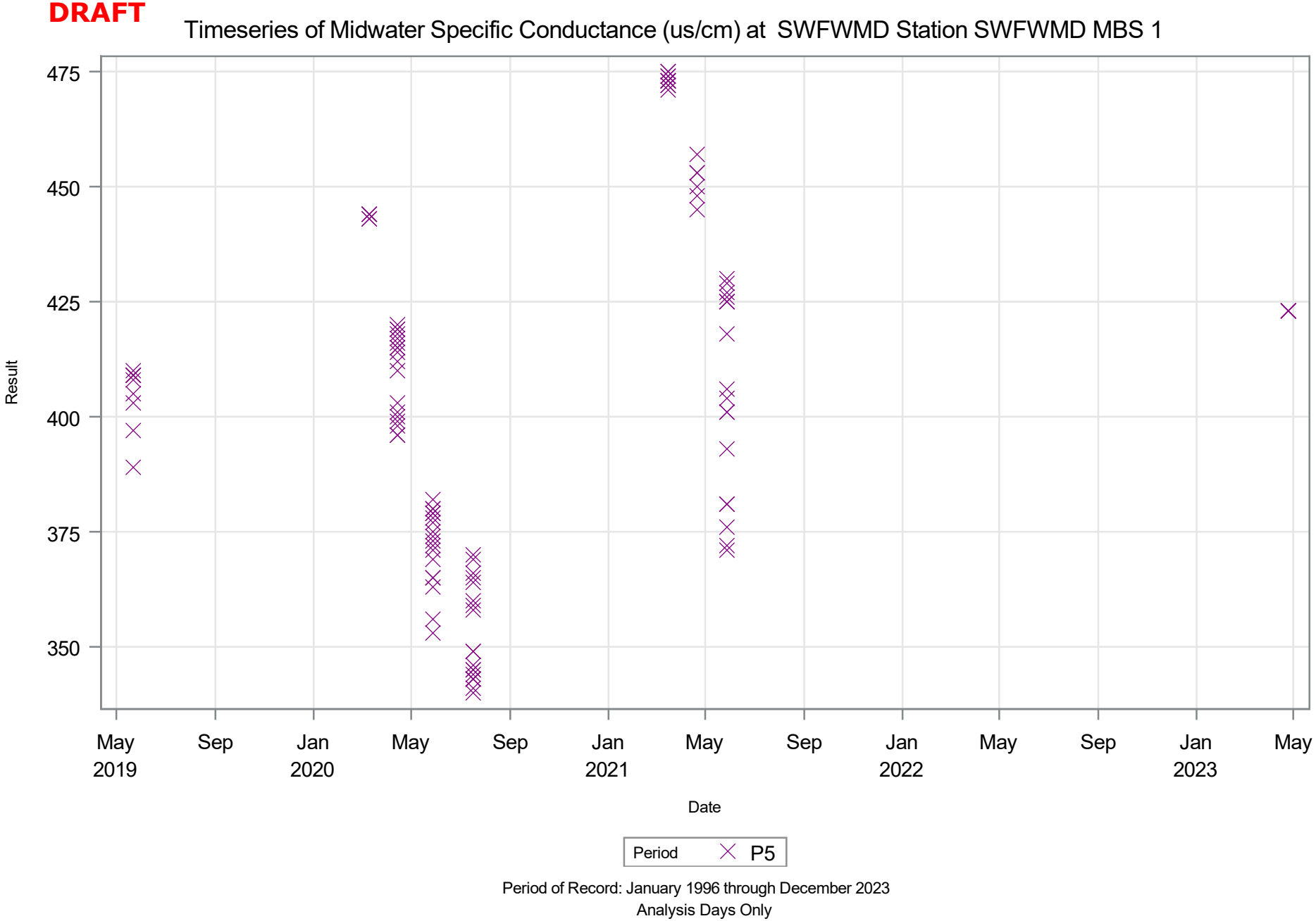
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	369.00	387.00	417.78	422.00	443.00	474.00

Period of Record: January 1996 through December 2023
Analysis Days Only

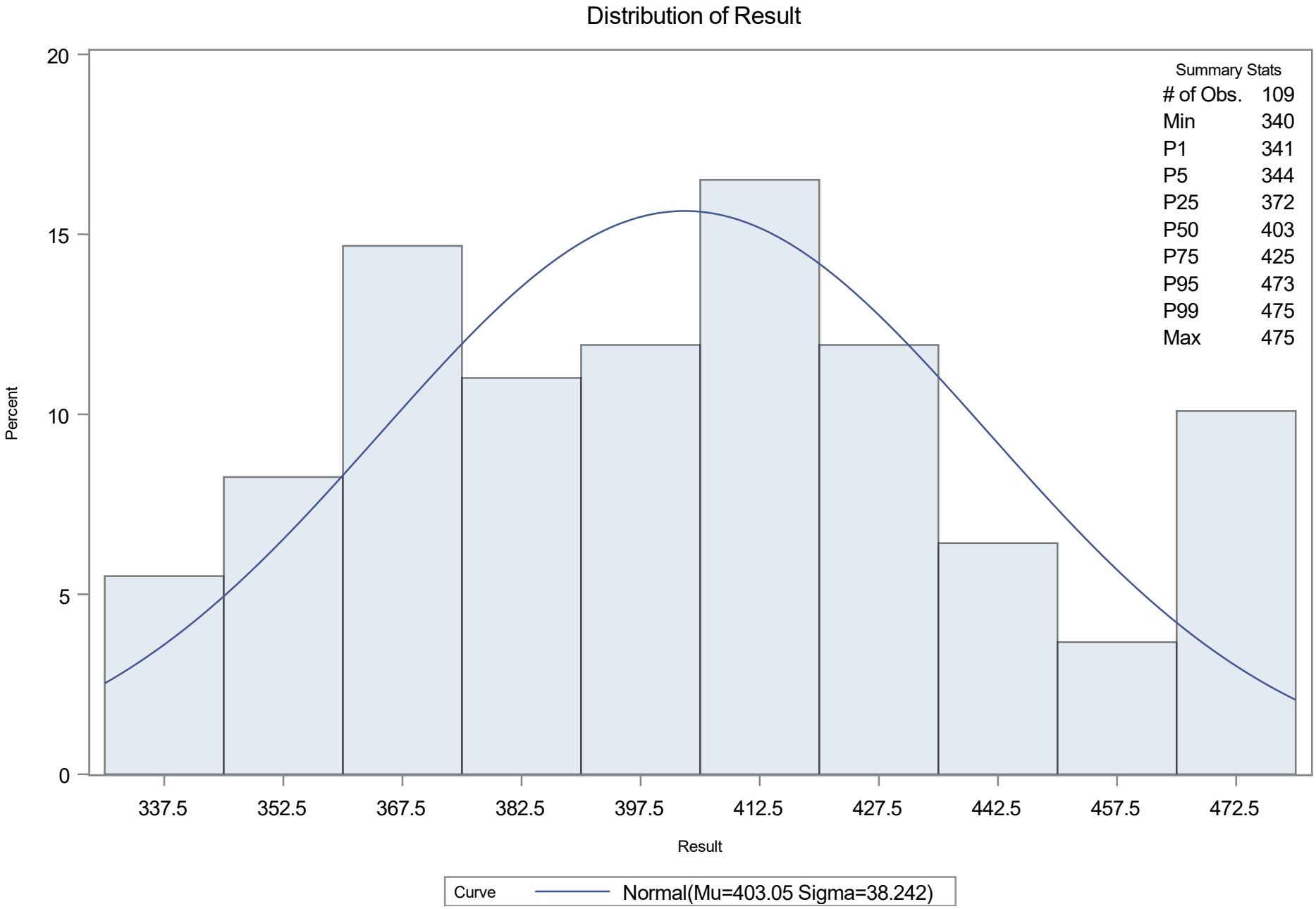
DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1
480
460
440
420
400
380
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1
Result
475
450
425
400
375
350
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	403.0459
Std Dev	Sigma	38.24226

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09427468	**Pr > D**	0.018
Cramer-von Mises	**W-Sq**	0.11665262	**Pr > W-Sq**	0.070
Anderson-Darling	**A-Sq**	0.98129476	**Pr > A-Sq**	0.014

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	341.000	314.081
5.0	344.000	340.143
10.0	349.000	354.036
25.0	372.000	377.252
50.0	403.000	403.046
75.0	425.000	428.840
90.0	471.000	452.055
95.0	473.000	465.949
99.0	475.000	492.011

Period of Record: January 1996 through December 2023
Analysis Days Only

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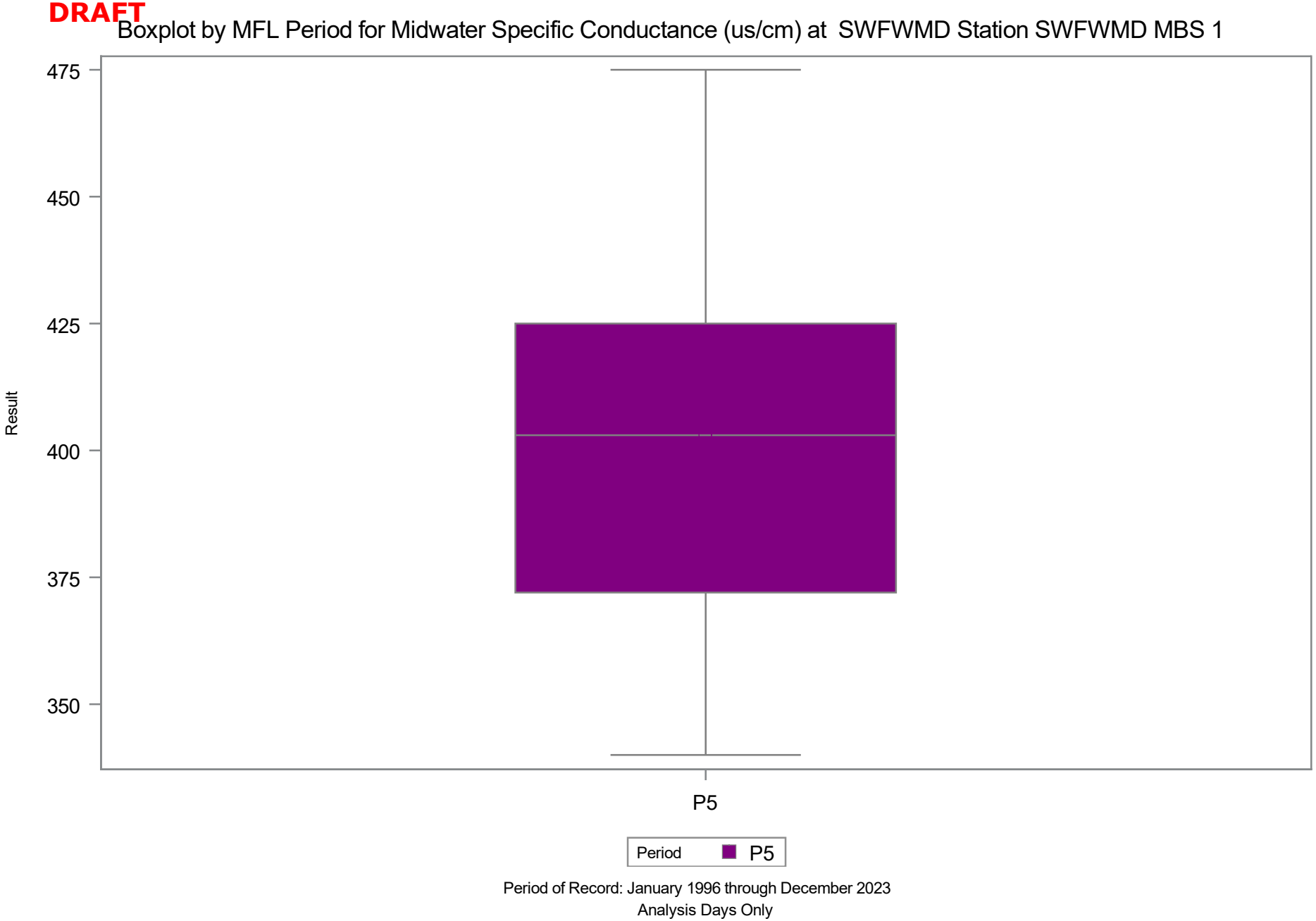
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1

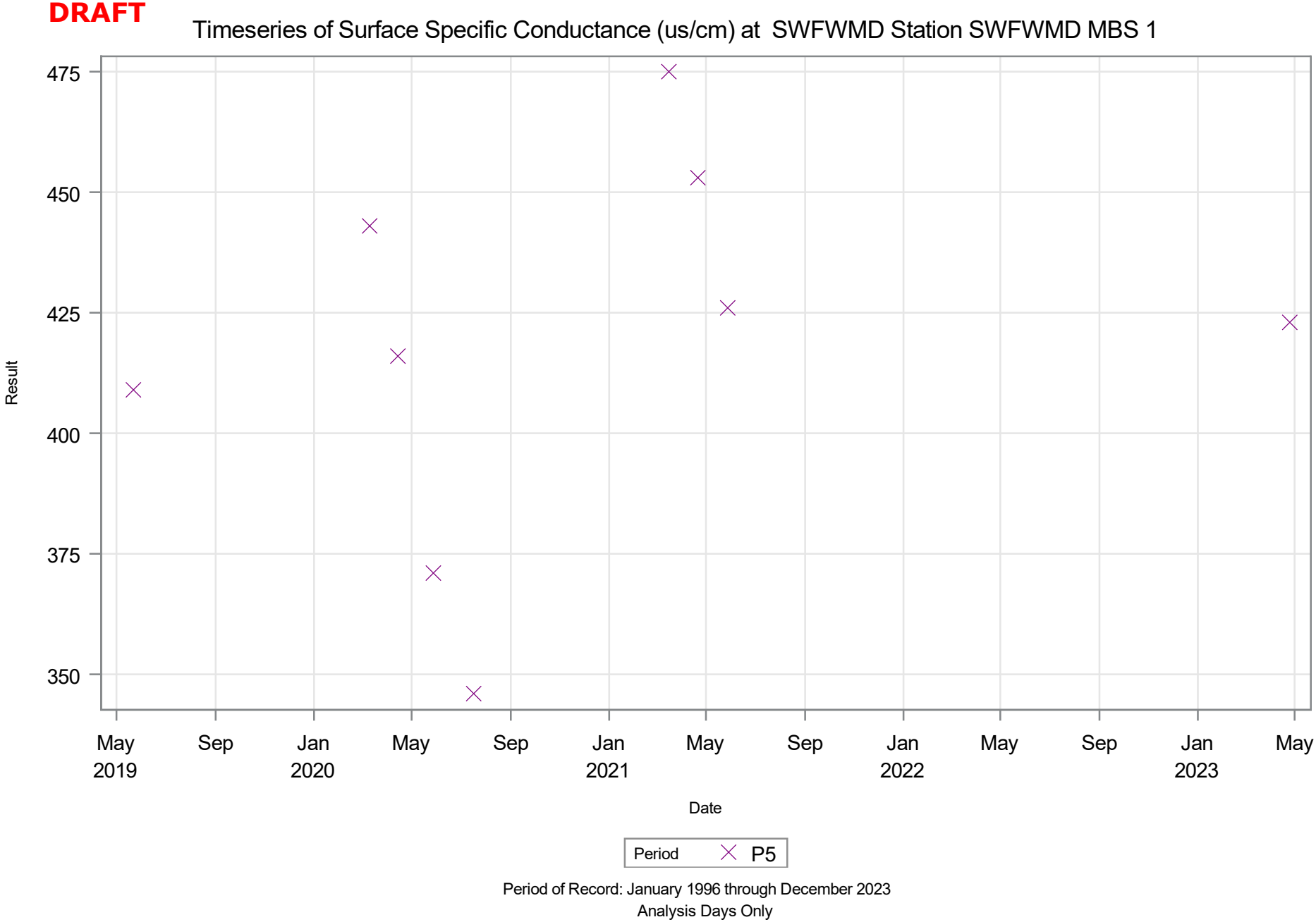
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	109	340.00	372.00	403.05	403.00	425.00	475.00

Period of Record: January 1996 through December 2023
Analysis Days Only

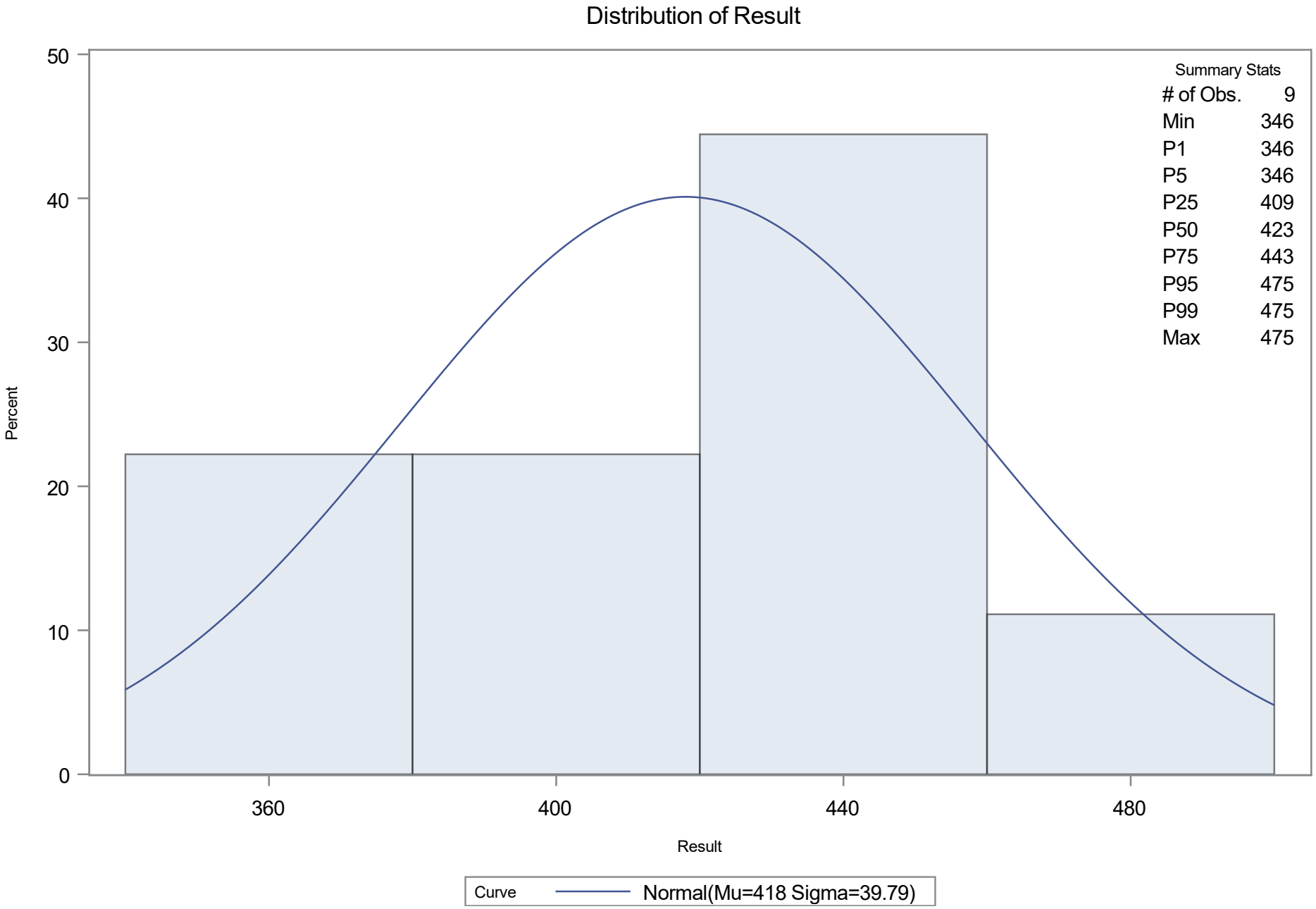
DRAFT


Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1
475
450
425
400
375
350
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1
Result
475
450
425
400
375
350
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	418
Std Dev	Sigma	39.79007

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18830574	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04247969	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.24833931	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	346.000	325.434
5.0	346.000	352.551
10.0	346.000	367.007
25.0	409.000	391.162
50.0	423.000	418.000
75.0	443.000	444.838
90.0	475.000	468.993
95.0	475.000	483.449
99.0	475.000	510.566

Period of Record: January 1996 through December 2023
Analysis Days Only

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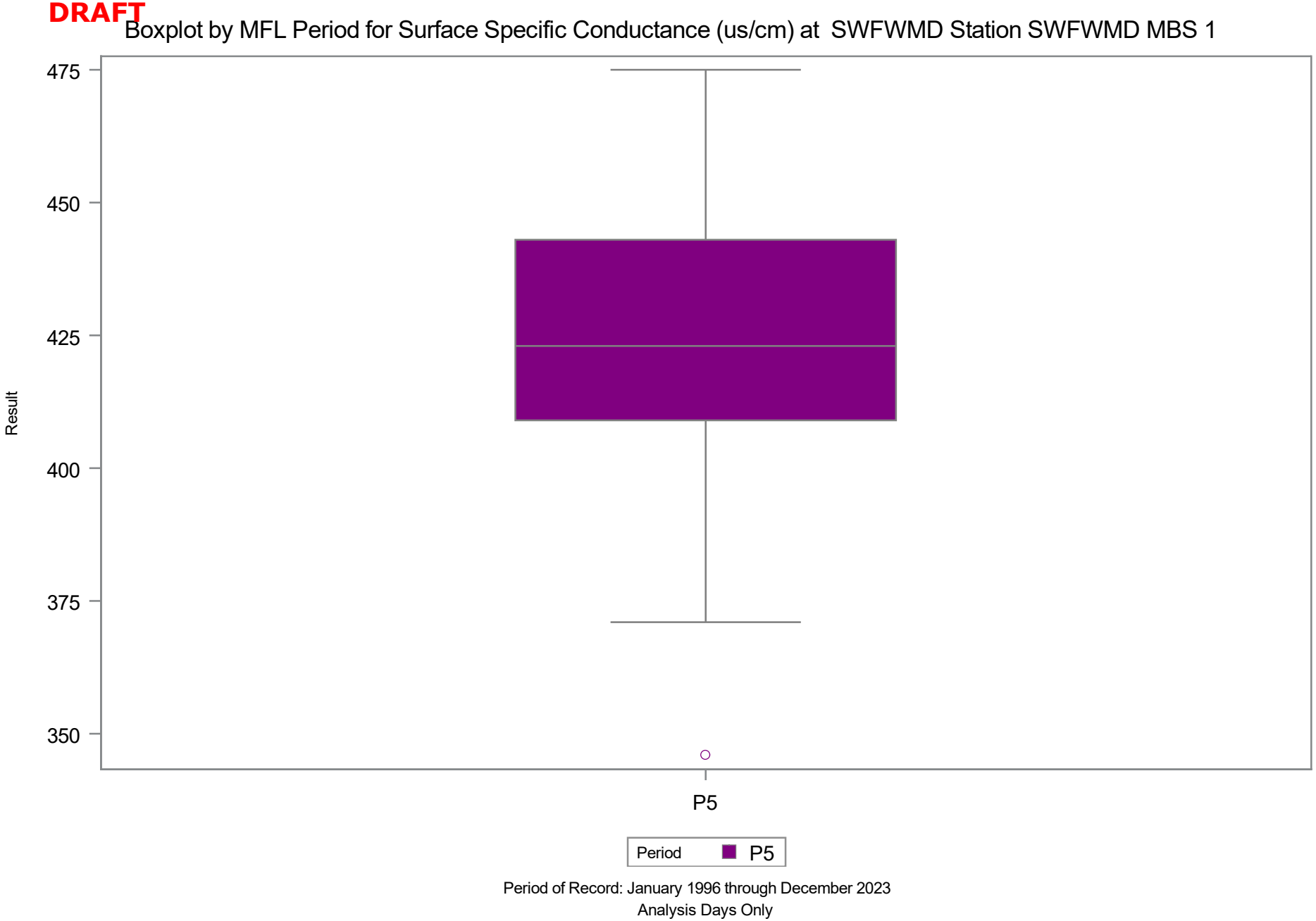
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1

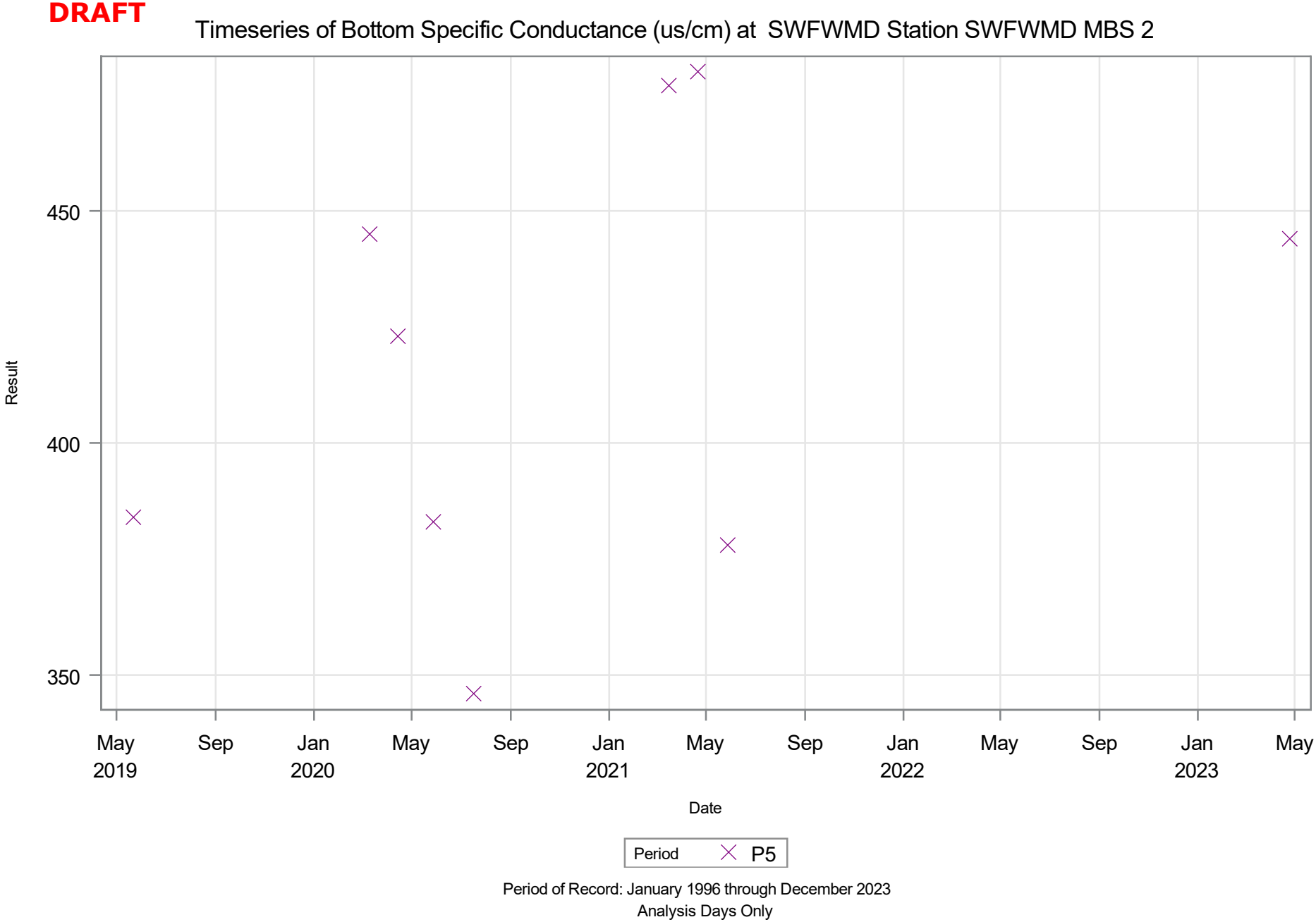
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	346.00	409.00	418.00	423.00	443.00	475.00

Period of Record: January 1996 through December 2023
Analysis Days Only

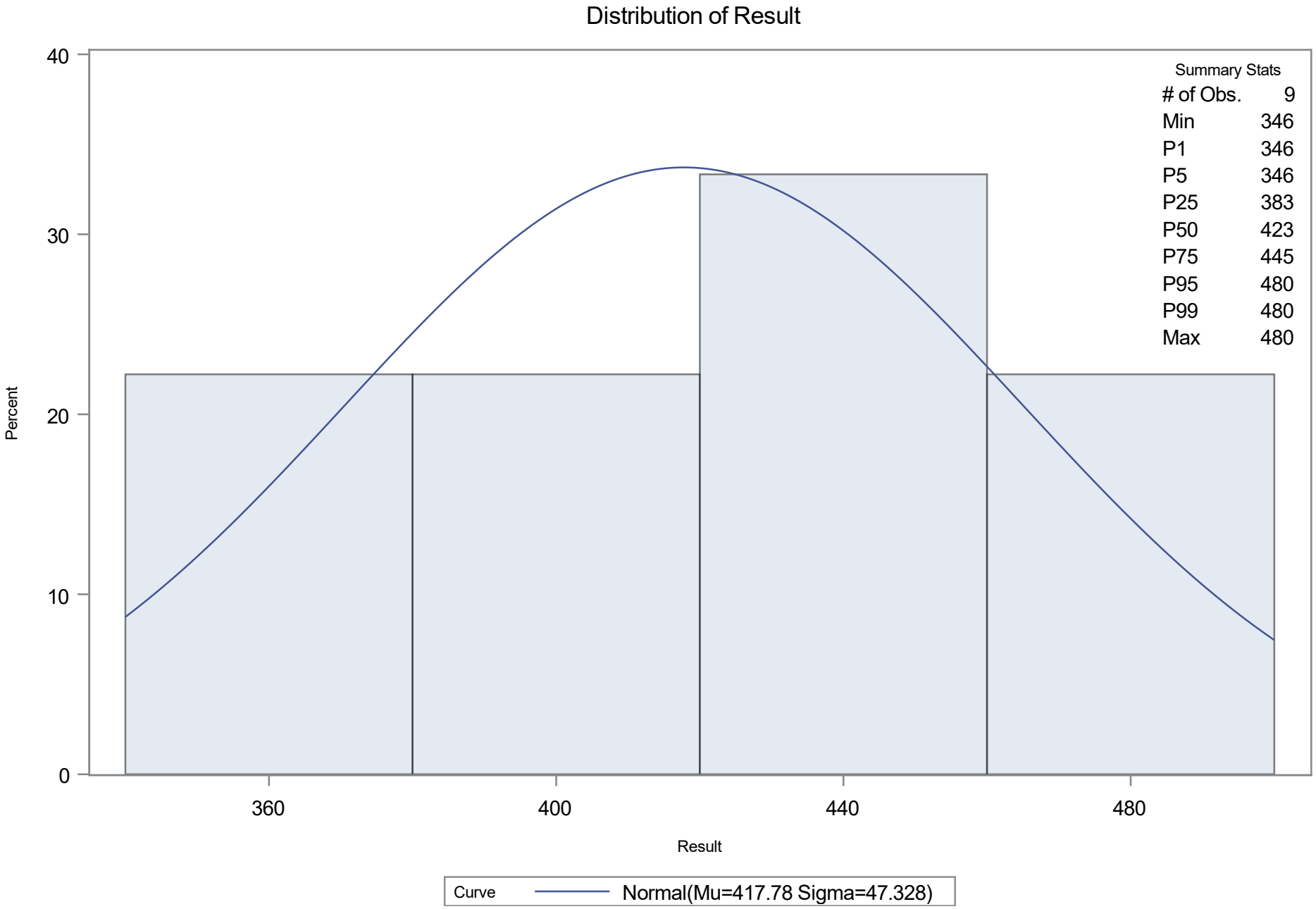
DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 1
475
450
425
400
375
350
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2
Result
450
400
350
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	417.7778
Std Dev	Sigma	47.32805

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20673644	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05252944	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32415510	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	346.000	307.676
5.0	346.000	339.930
10.0	346.000	357.124
25.0	383.000	385.855
50.0	423.000	417.778
75.0	445.000	449.700
90.0	480.000	478.431
95.0	480.000	495.625
99.0	480.000	527.879

Period of Record: January 1996 through December 2023
Analysis Days Only

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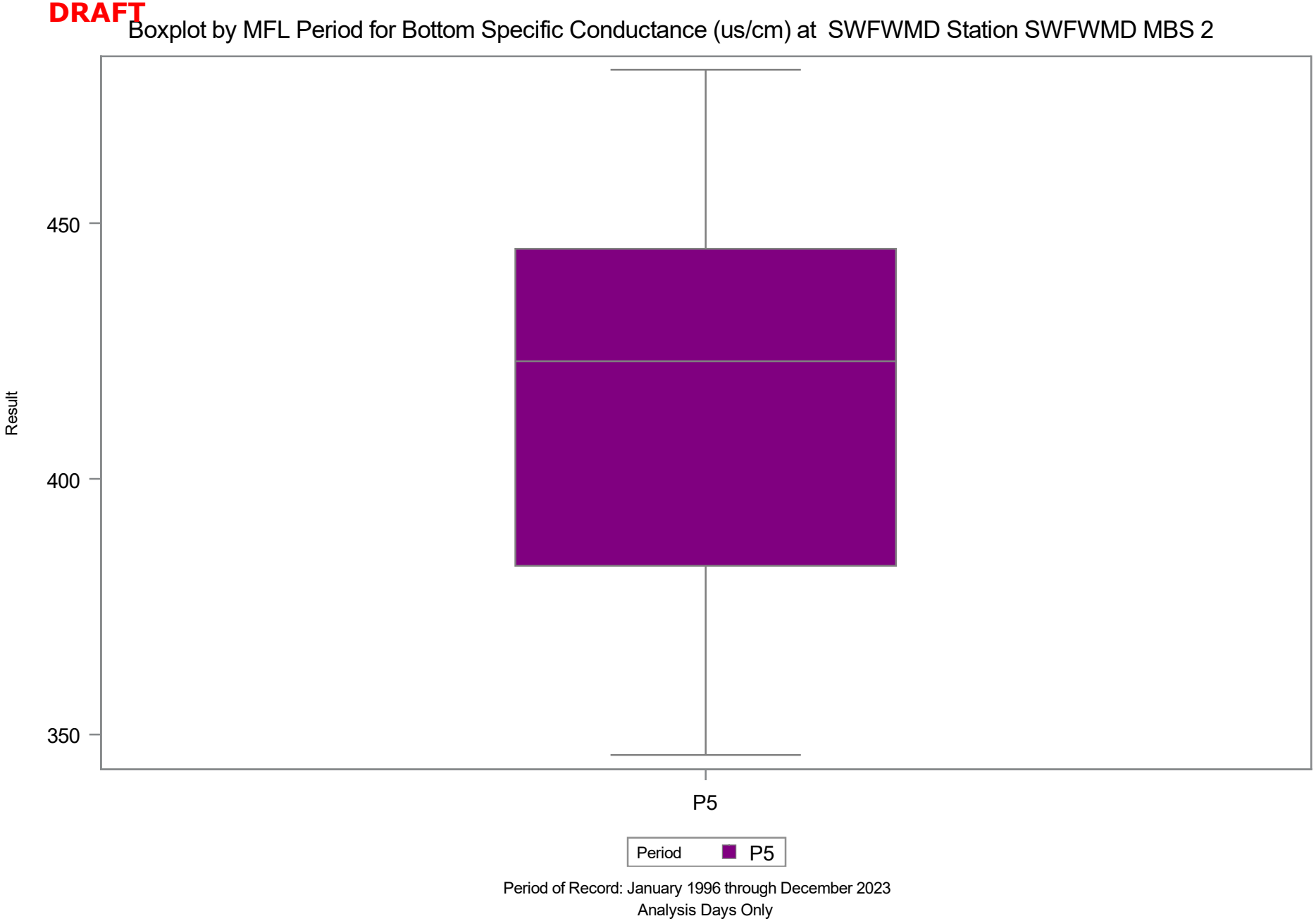
Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2

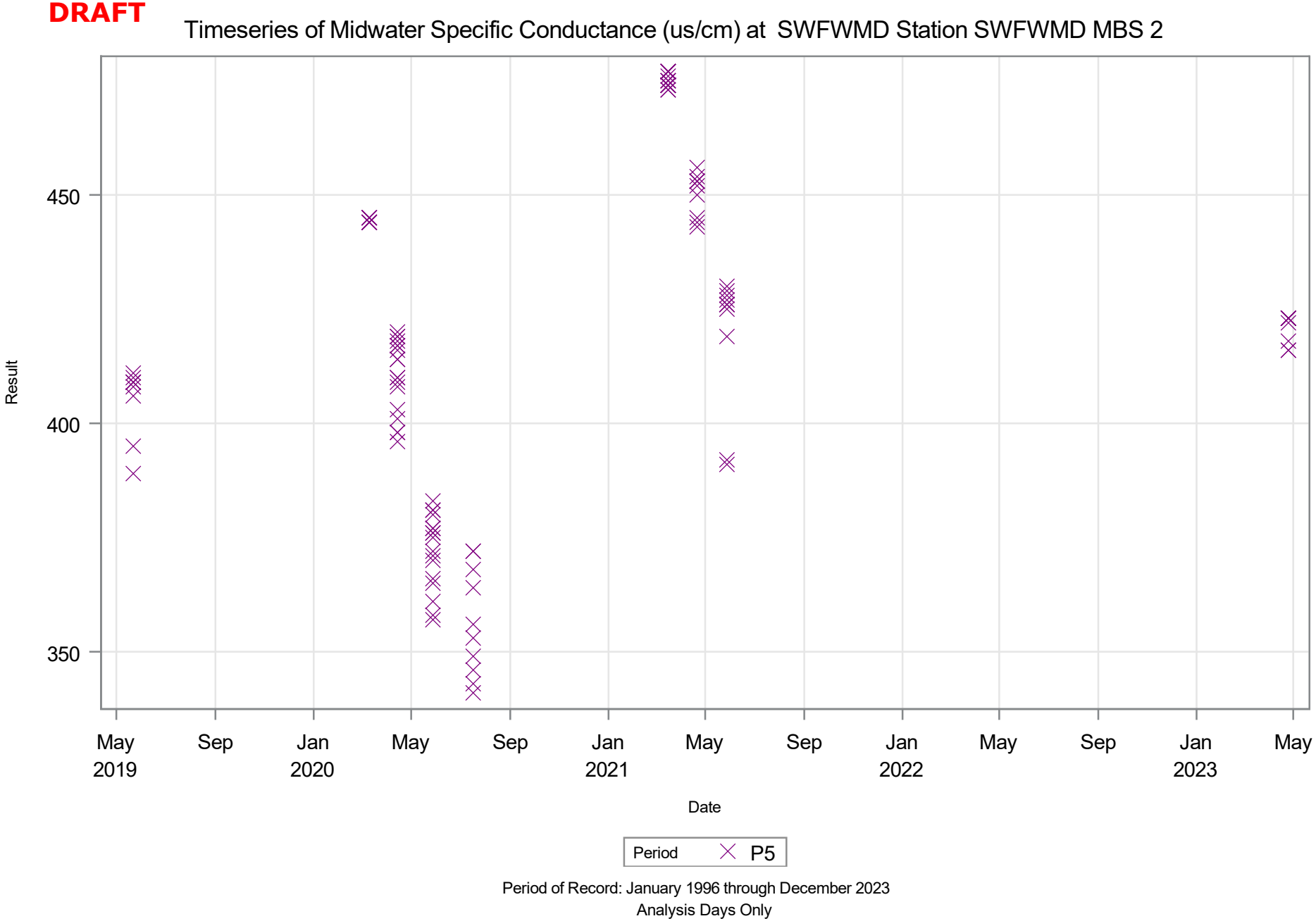
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	346.00	383.00	417.78	423.00	445.00	480.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2
Result
450
400
350
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2
Result
450
400
350
May 2019
Sep
Jan 2020
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Jan 2021
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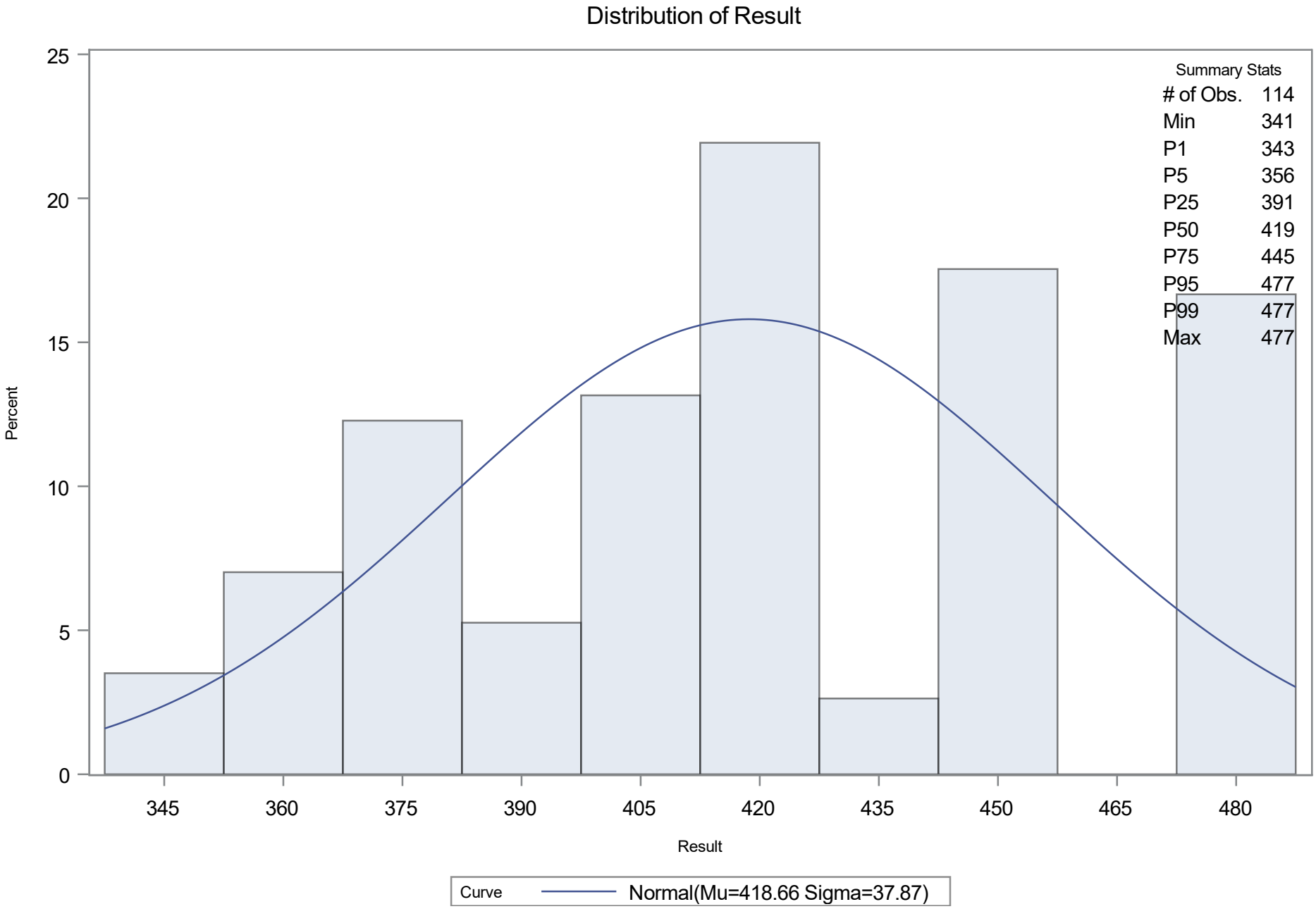
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2**



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	418.6579
Std Dev	Sigma	37.87049

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09101542	**Pr > D**	0.021
Cramer-von Mises	**W-Sq**	0.14007871	**Pr > W-Sq**	0.033
Anderson-Darling	**A-Sq**	1.18938050	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	343.000	330.558
5.0	356.000	356.366
10.0	366.000	370.125
25.0	391.000	393.115
50.0	419.000	418.658
75.0	445.000	444.201
90.0	474.000	467.191
95.0	477.000	480.949
99.0	477.000	506.758

Period of Record: January 1996 through December 2023
Analysis Days Only

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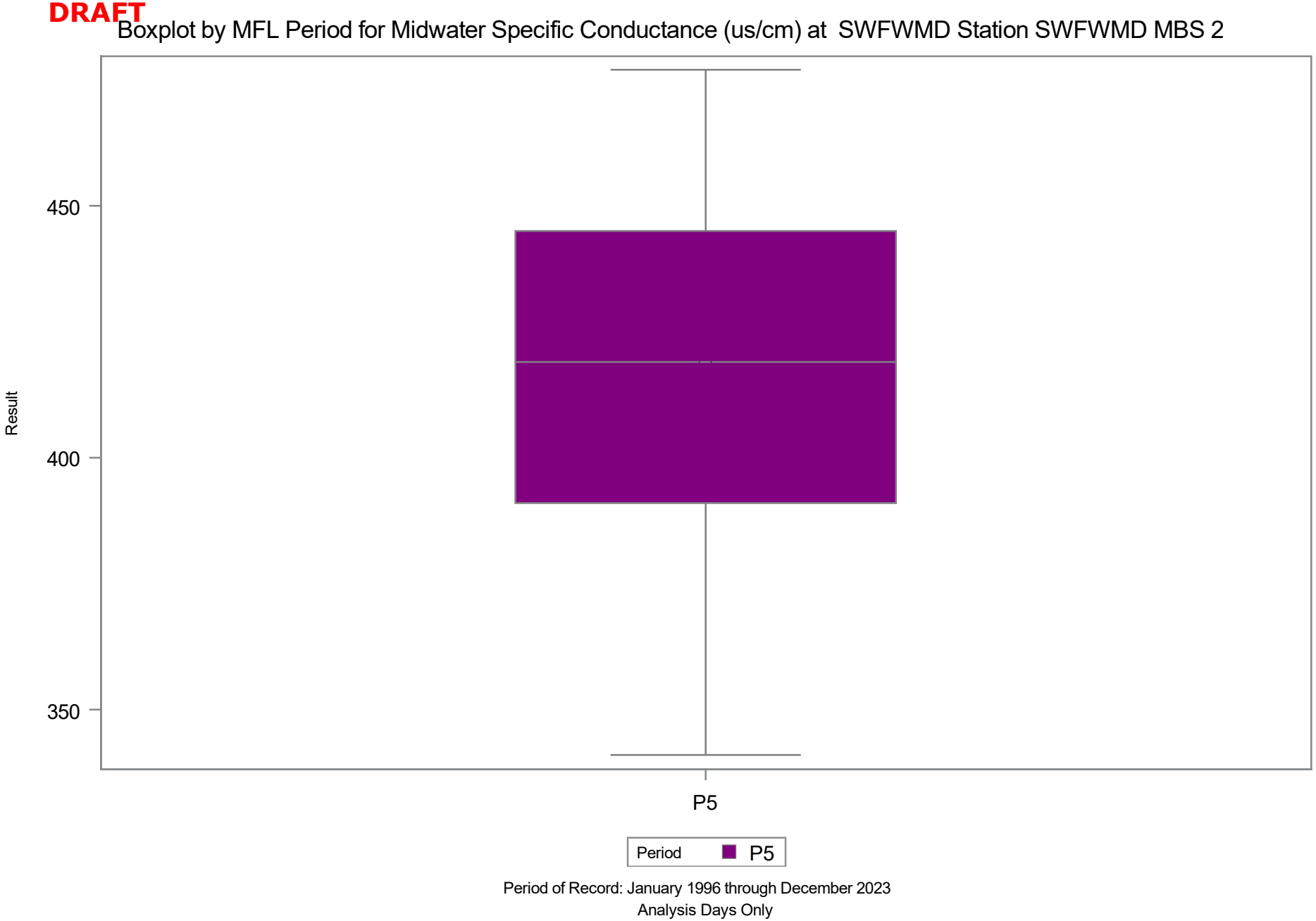
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2

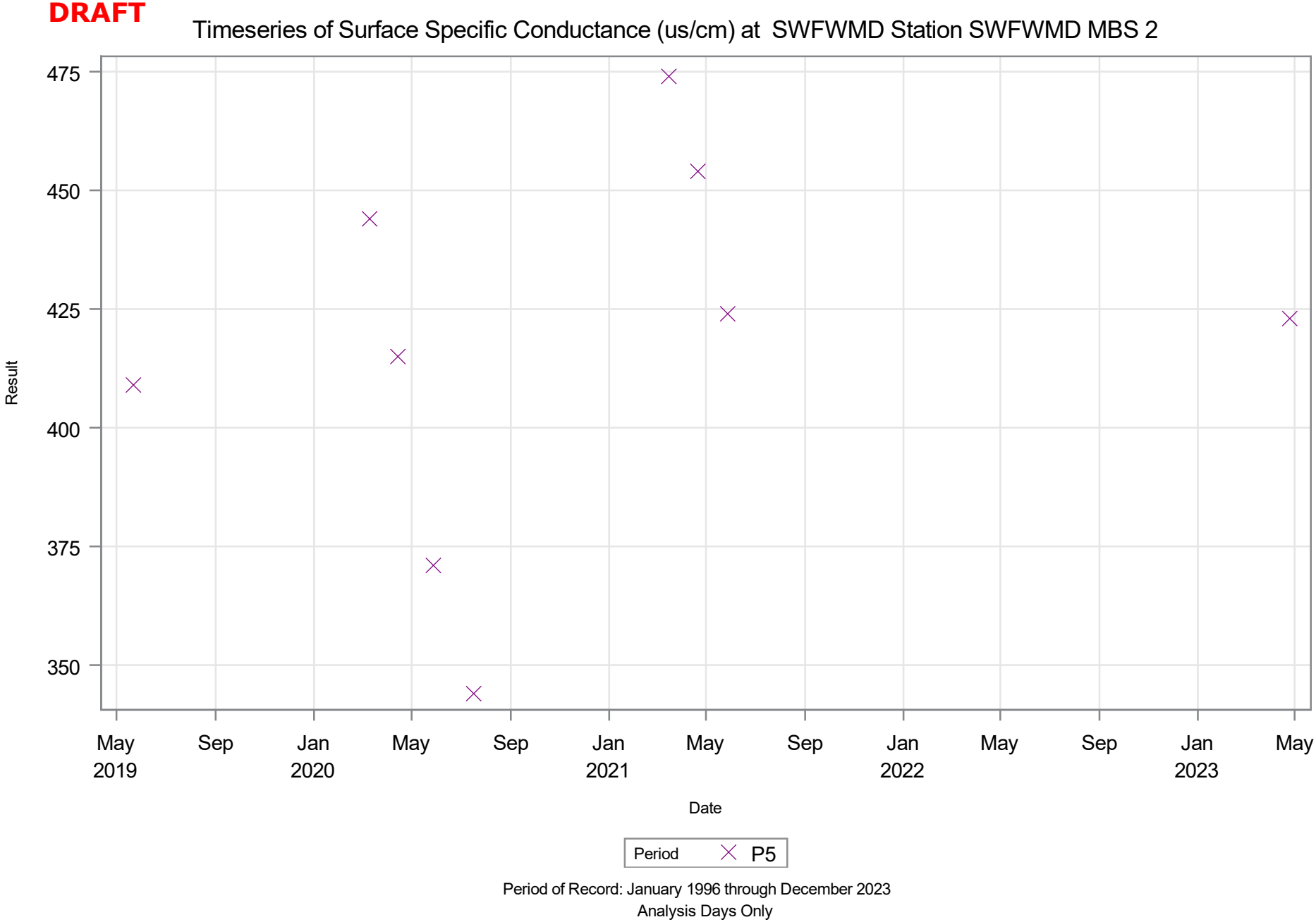
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	114	341.00	391.00	418.66	419.00	445.00	477.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2
Result
450
400
350
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2
Result
475
450
425
400
375
350
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
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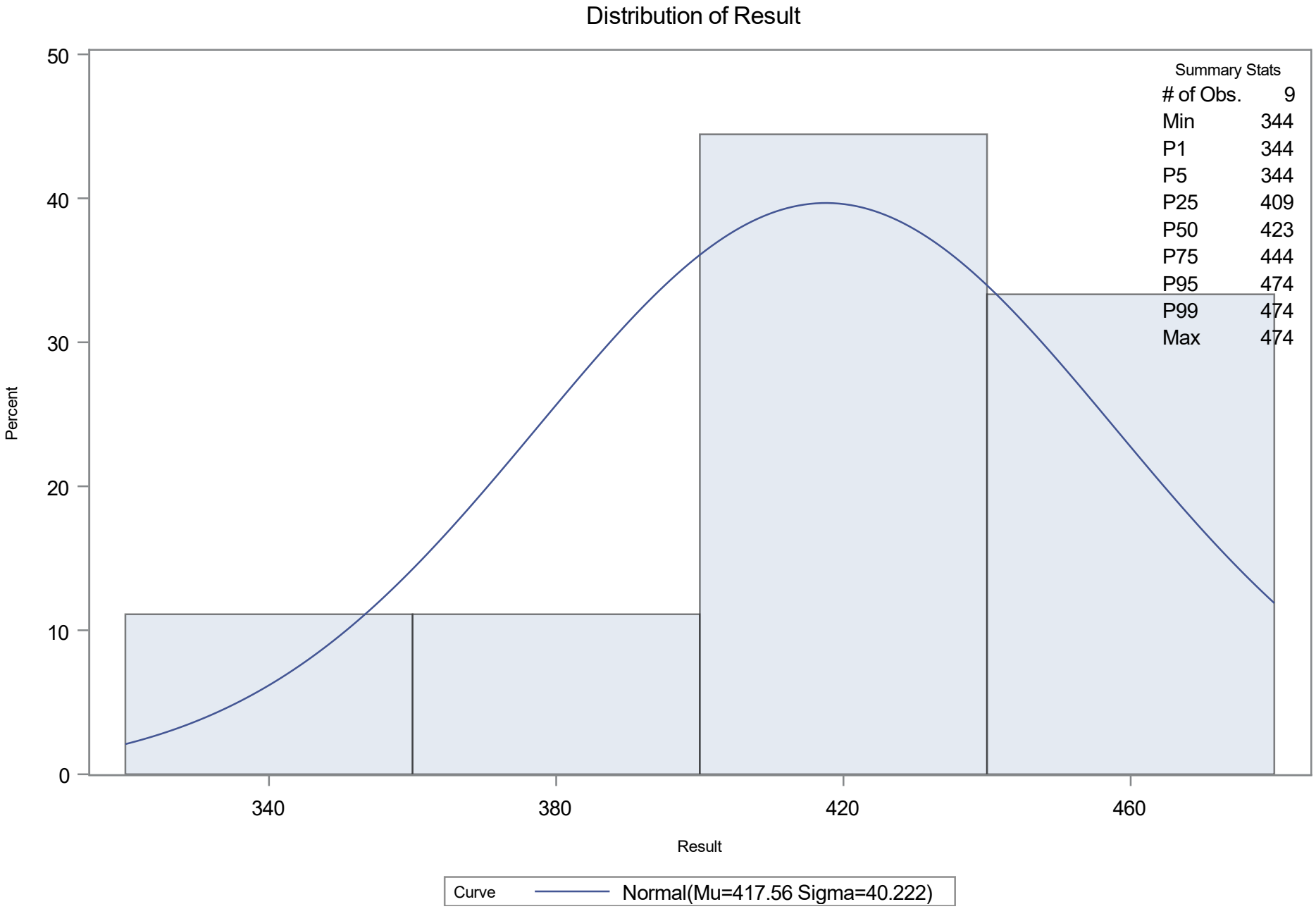
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	417.5556
Std Dev	Sigma	40.22161

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19355419	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04450741	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25759918	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	344.000	323.986
5.0	344.000	351.397
10.0	344.000	366.009
25.0	409.000	390.426
50.0	423.000	417.556
75.0	444.000	444.685
90.0	474.000	469.102
95.0	474.000	483.714
99.0	474.000	511.125

Period of Record: January 1996 through December 2023
Analysis Days Only

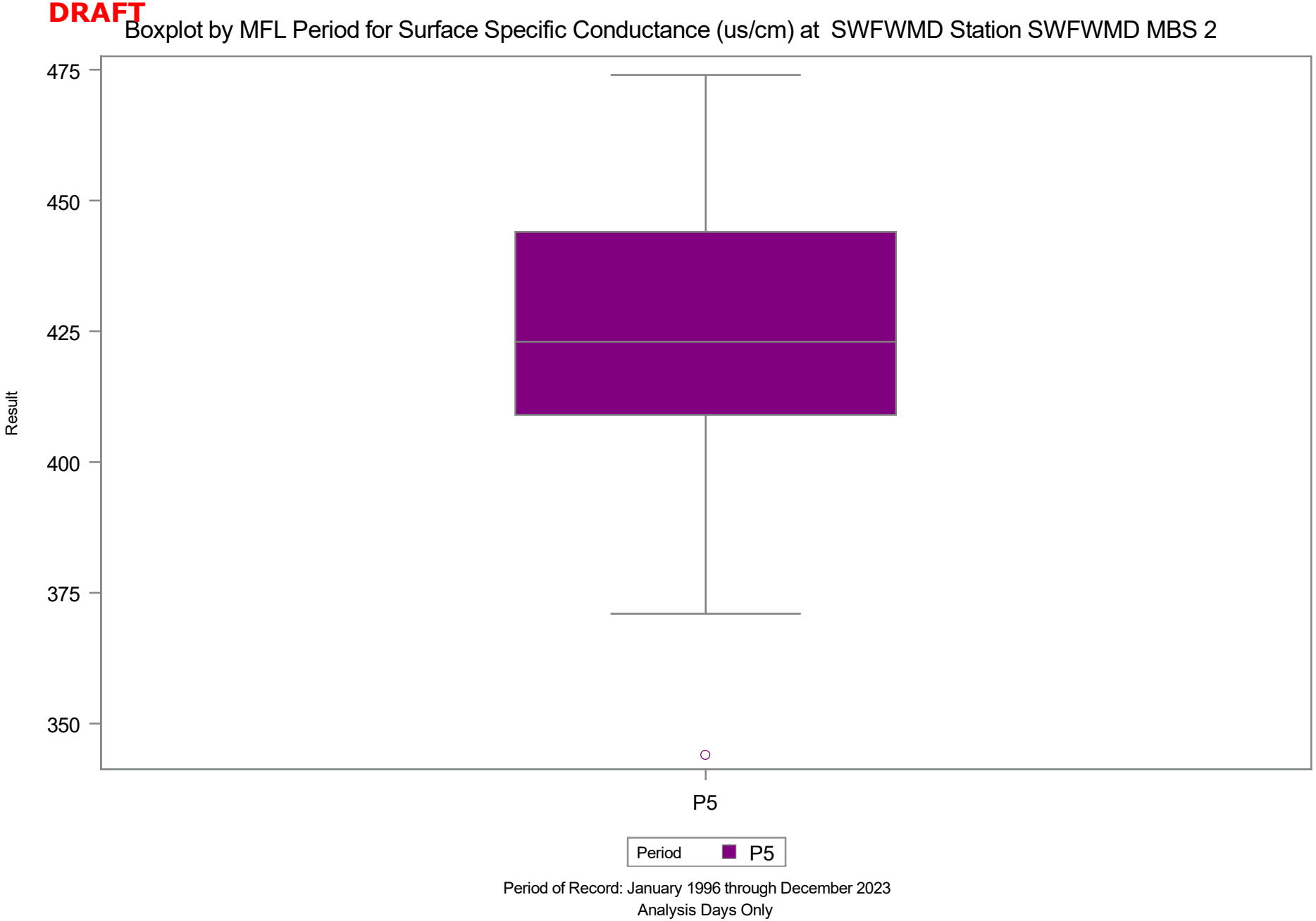
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2

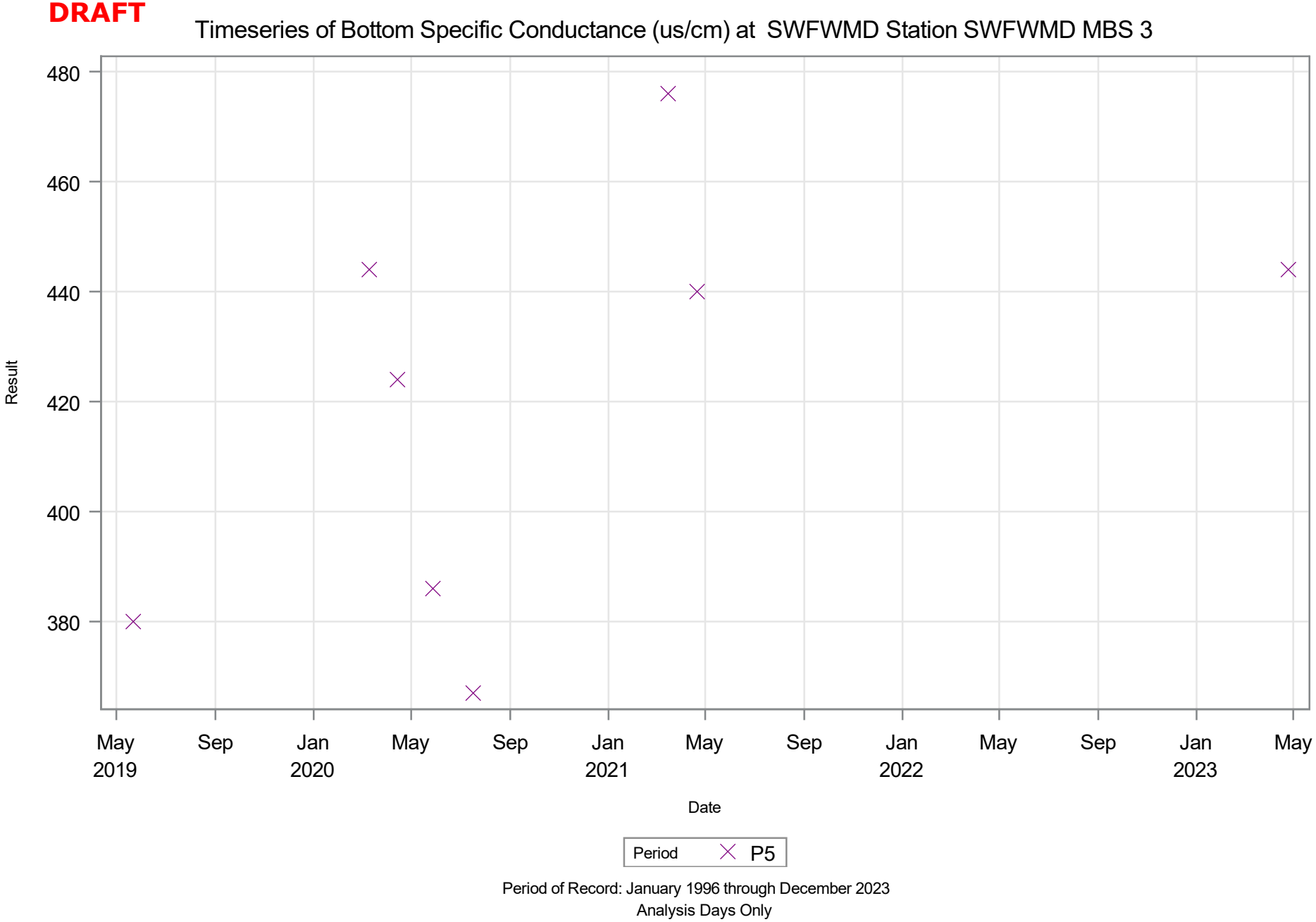
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	344.00	409.00	417.56	423.00	444.00	474.00

Period of Record: January 1996 through December 2023
Analysis Days Only

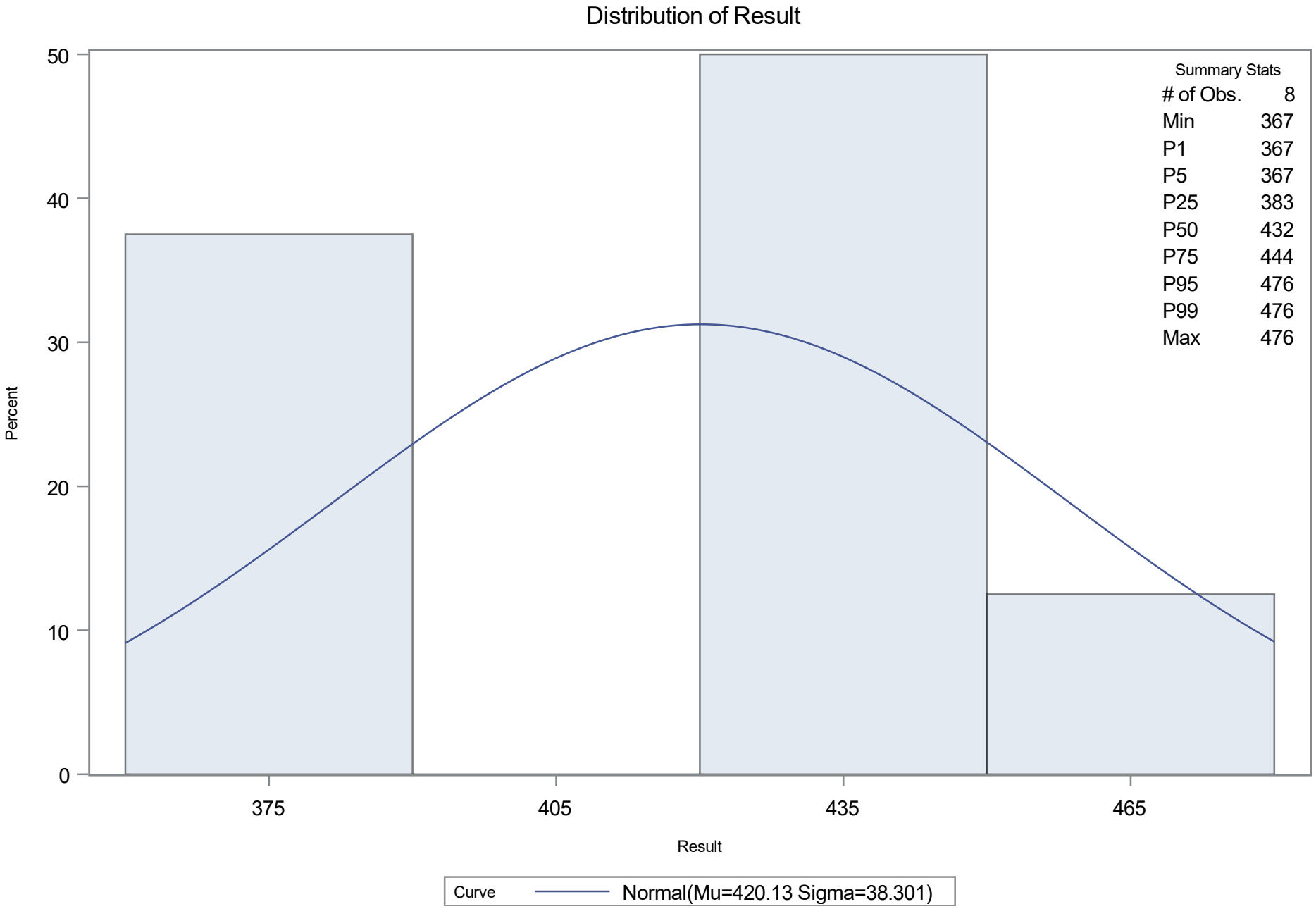
DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 2
475
450
425
400
375
350
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3
480
460
440
420
400
380
Result
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	420.125
Std Dev	Sigma	38.3012

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19808937	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06572112	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37047217	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	367.000	331.023
5.0	367.000	357.125
10.0	367.000	371.040
25.0	383.000	394.291
50.0	432.000	420.125
75.0	444.000	445.959
90.0	476.000	469.210
95.0	476.000	483.125
99.0	476.000	509.227

Period of Record: January 1996 through December 2023
Analysis Days Only

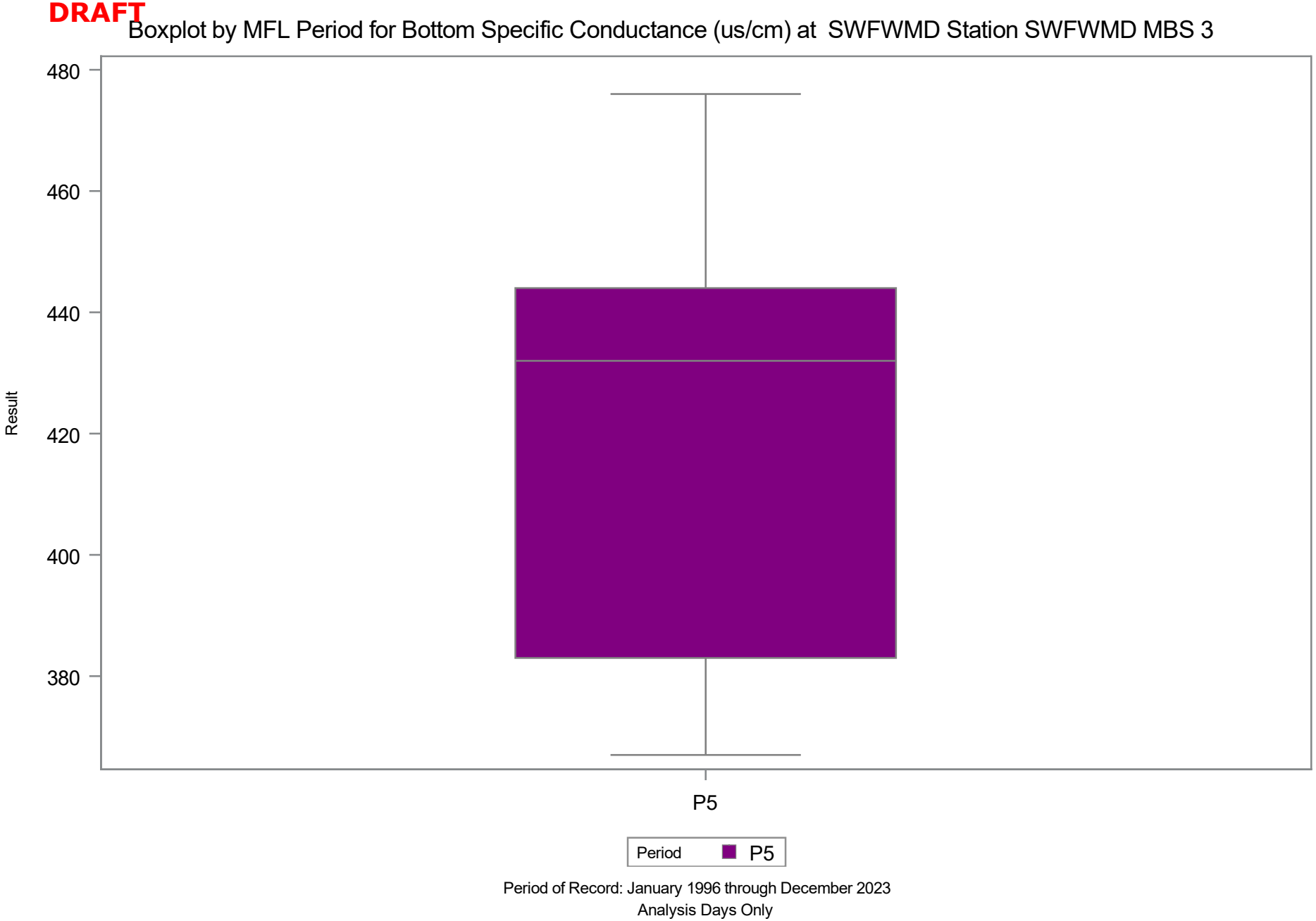
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3

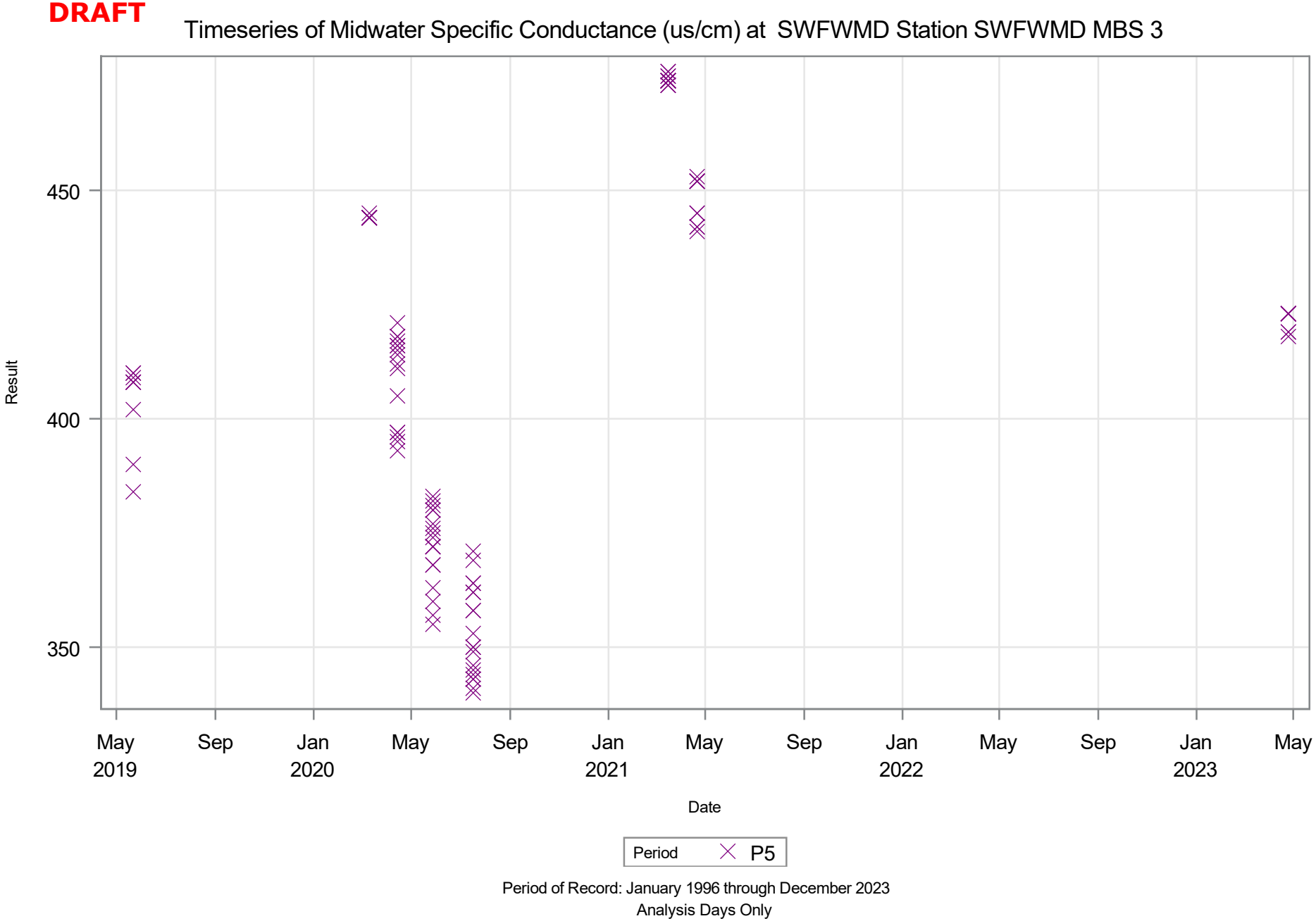
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	367.00	383.00	420.13	432.00	444.00	476.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3
480
460
440
420
400
380
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3
Result
450
400
350
May 2019
Sep
Jan 2020
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Jan 2021
May
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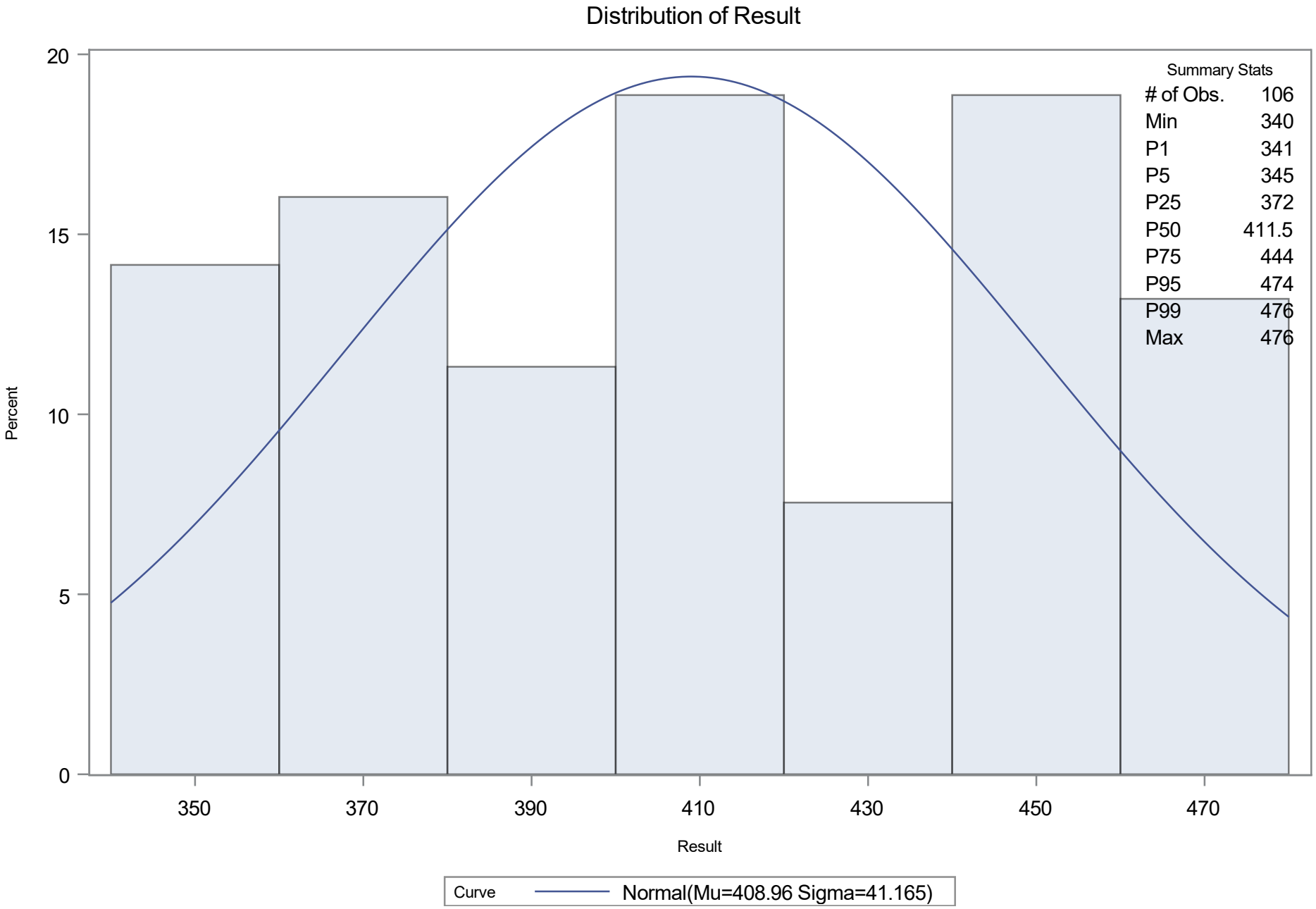
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	408.9623
Std Dev	Sigma	41.16516

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10255072	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.19959610	**Pr > W-Sq**	0.005
Anderson-Darling	**A-Sq**	1.48471238	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	341.000	313.198
5.0	345.000	341.252
10.0	353.000	356.207
25.0	372.000	381.197
50.0	411.500	408.962
75.0	444.000	436.728
90.0	474.000	461.718
95.0	474.000	476.673
99.0	476.000	504.727

Period of Record: January 1996 through December 2023
Analysis Days Only

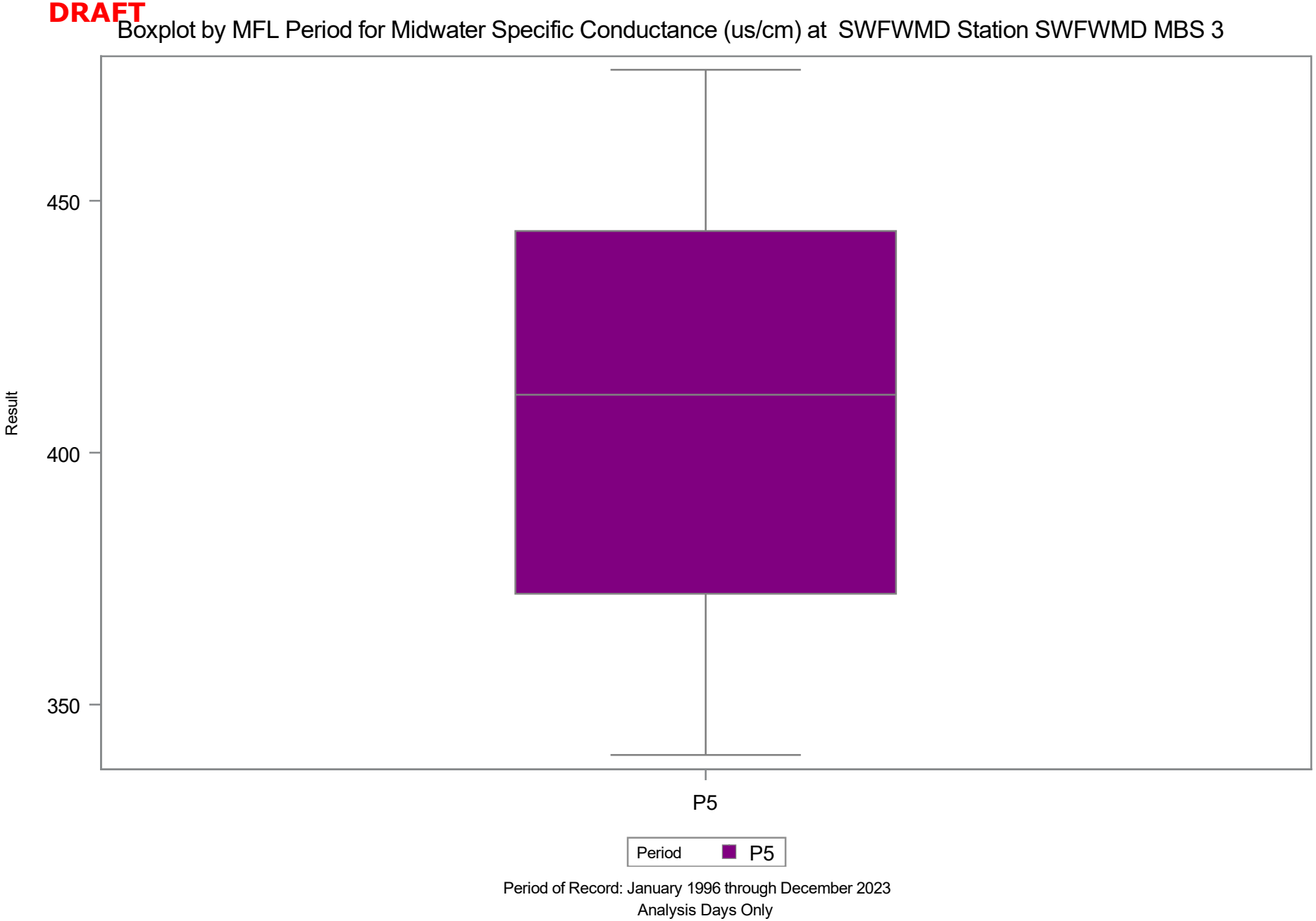
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3

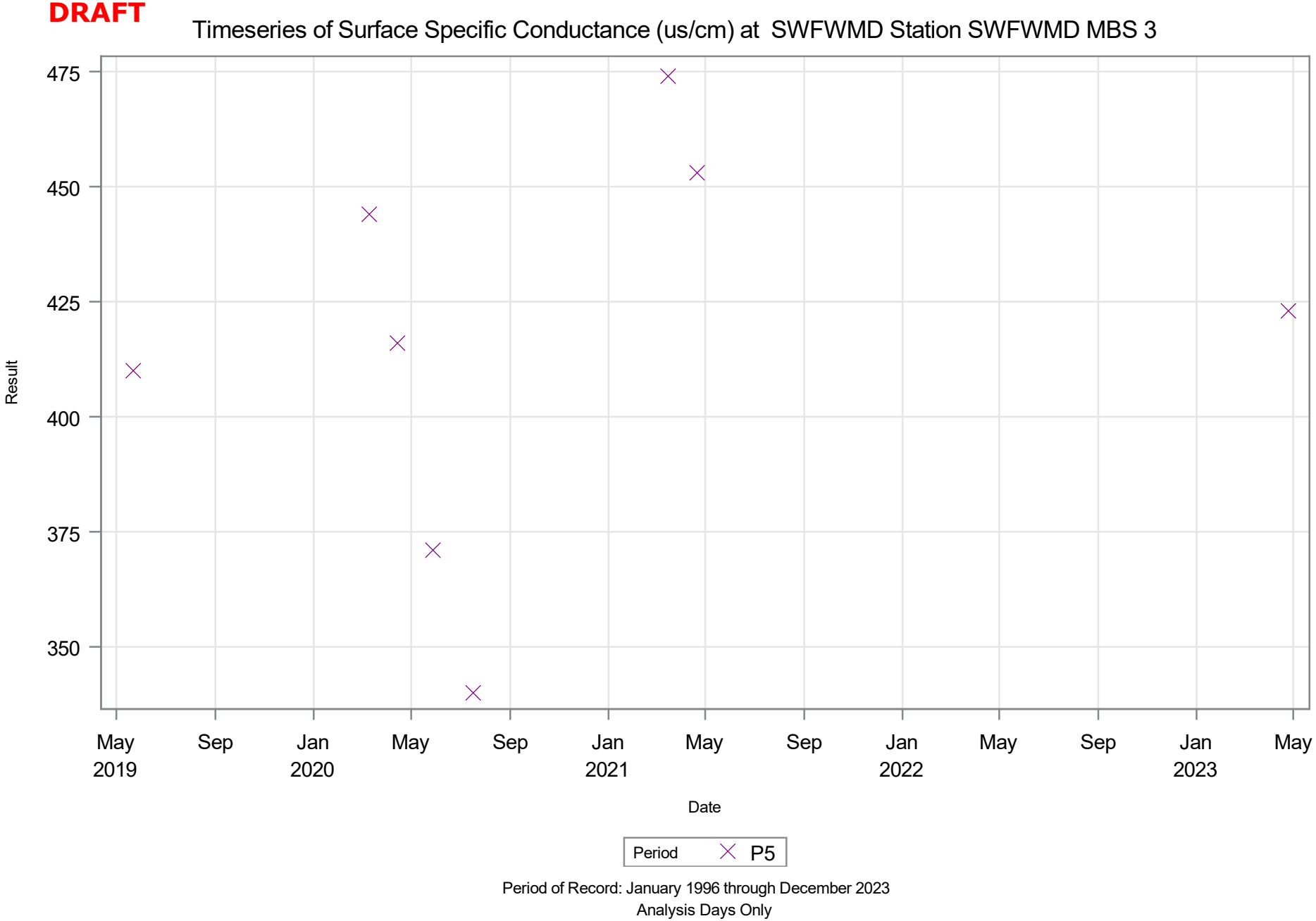
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	106	340.00	372.00	408.96	411.50	444.00	476.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3
Result
450
400
350
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3
Result
475
450
425
400
375
350
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
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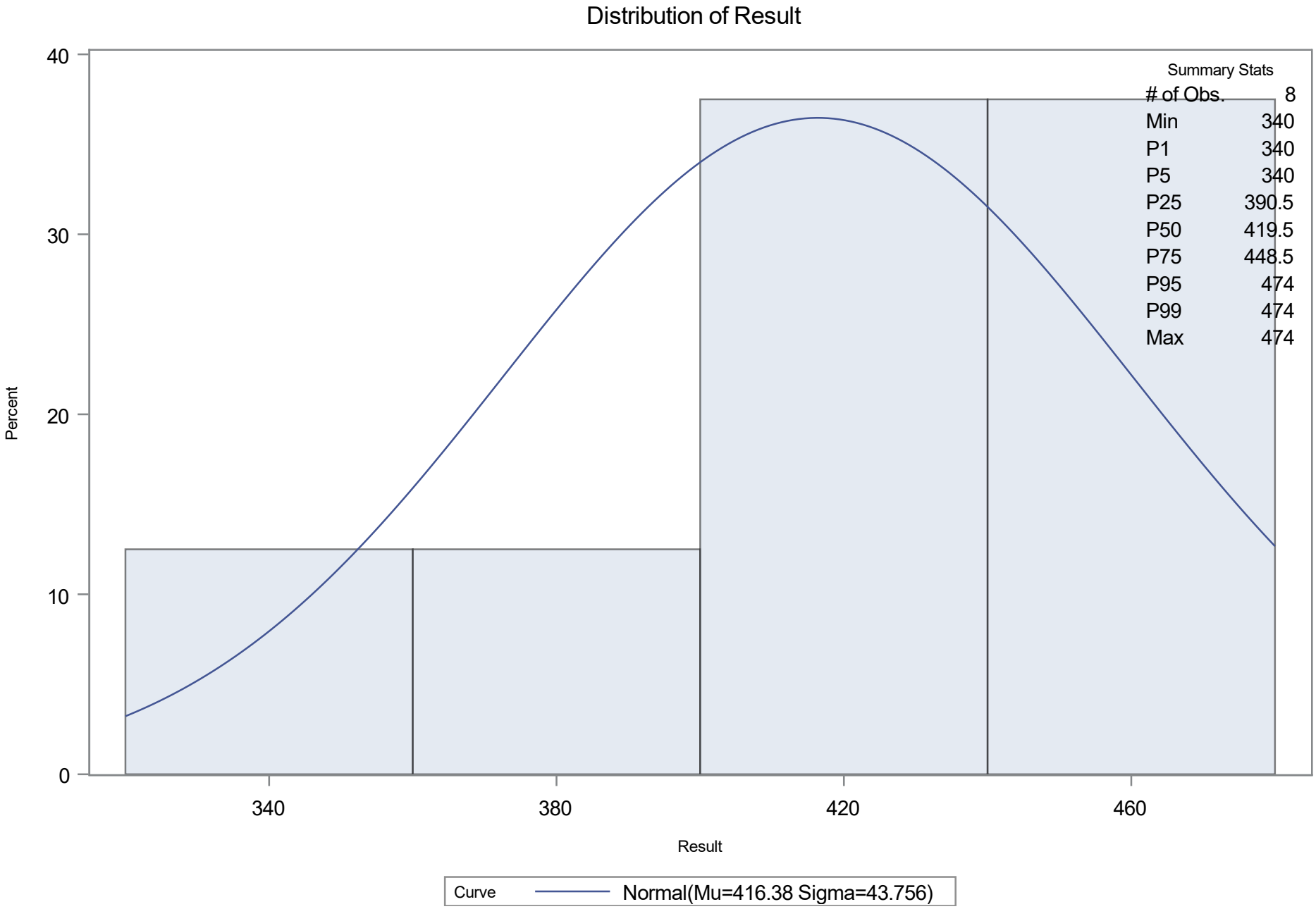
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	416.375
Std Dev	Sigma	43.75561

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19208085	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03614522	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22263888	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	340.000	314.584
5.0	340.000	344.403
10.0	340.000	360.300
25.0	390.500	386.862
50.0	419.500	416.375
75.0	448.500	445.888
90.0	474.000	472.450
95.0	474.000	488.347
99.0	474.000	518.166

Period of Record: January 1996 through December 2023
Analysis Days Only

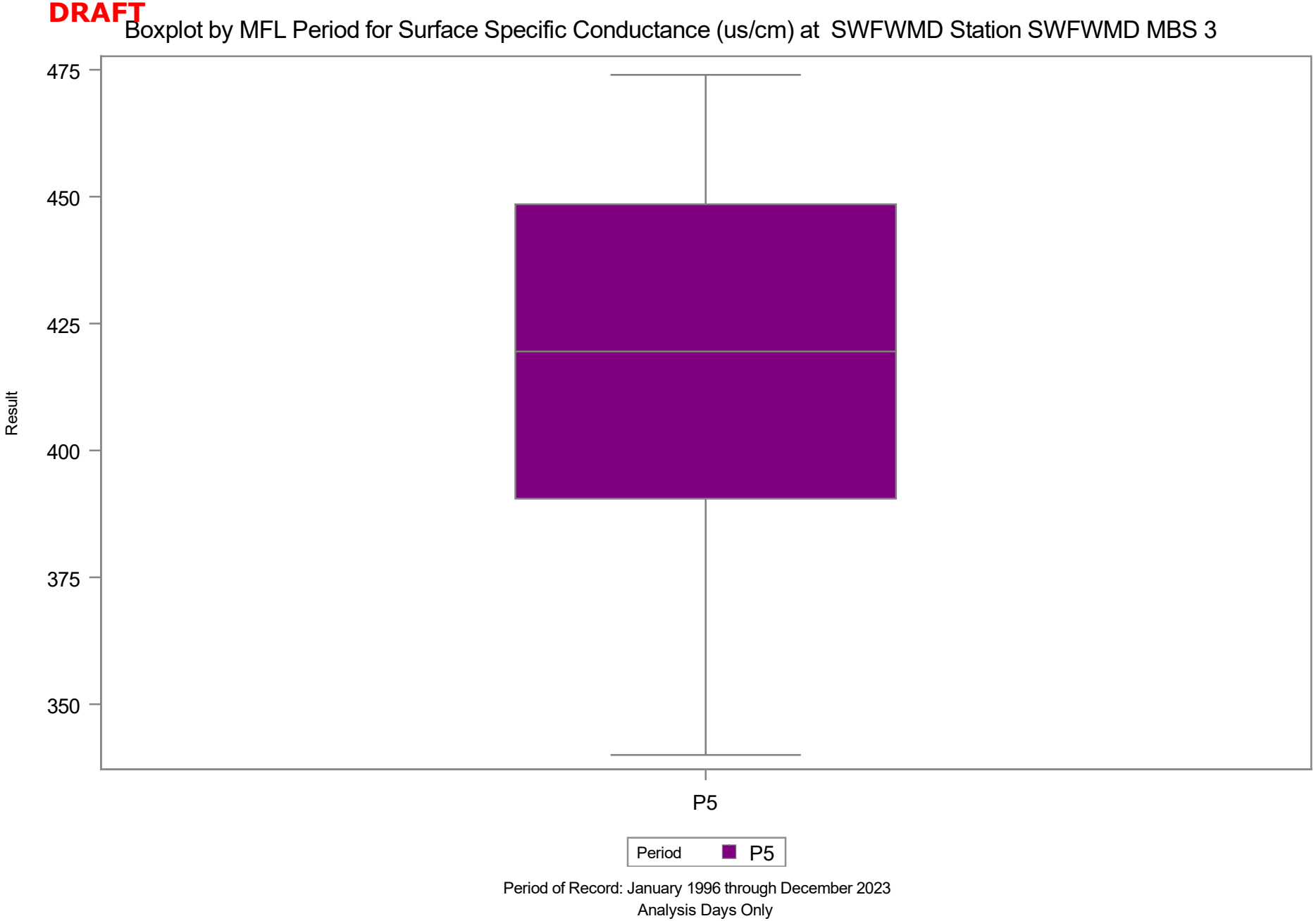
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	340.00	390.50	416.38	419.50	448.50	474.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at SWFWMD Station SWFWMD MBS 3
475
450
425
400
375
350
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

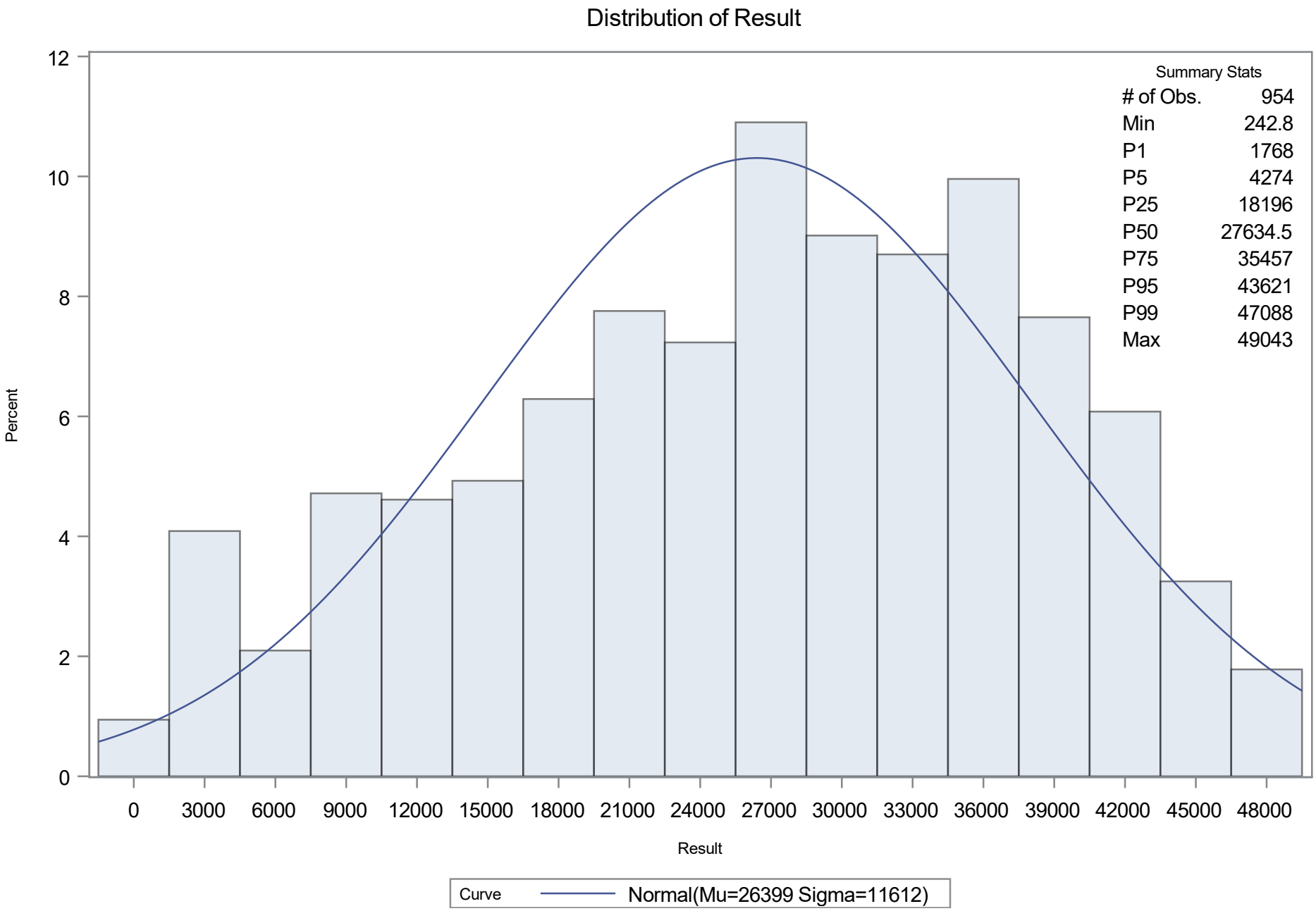
DRAFT

Timeseries of Bottom Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26398.76
Std Dev	Sigma	11612.01

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05039069	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.83299363	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.71818458	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1768.00	-614.826
5.0	4274.00	7298.695
10.0	9501.00	11517.364
25.0	18196.00	18566.575
50.0	27634.50	26398.760
75.0	35457.00	34230.945
90.0	40860.00	41280.156
95.0	43621.00	45498.824
99.0	47088.00	53412.346

Period of Record: January 1996 through December 2023
Analysis Days Only

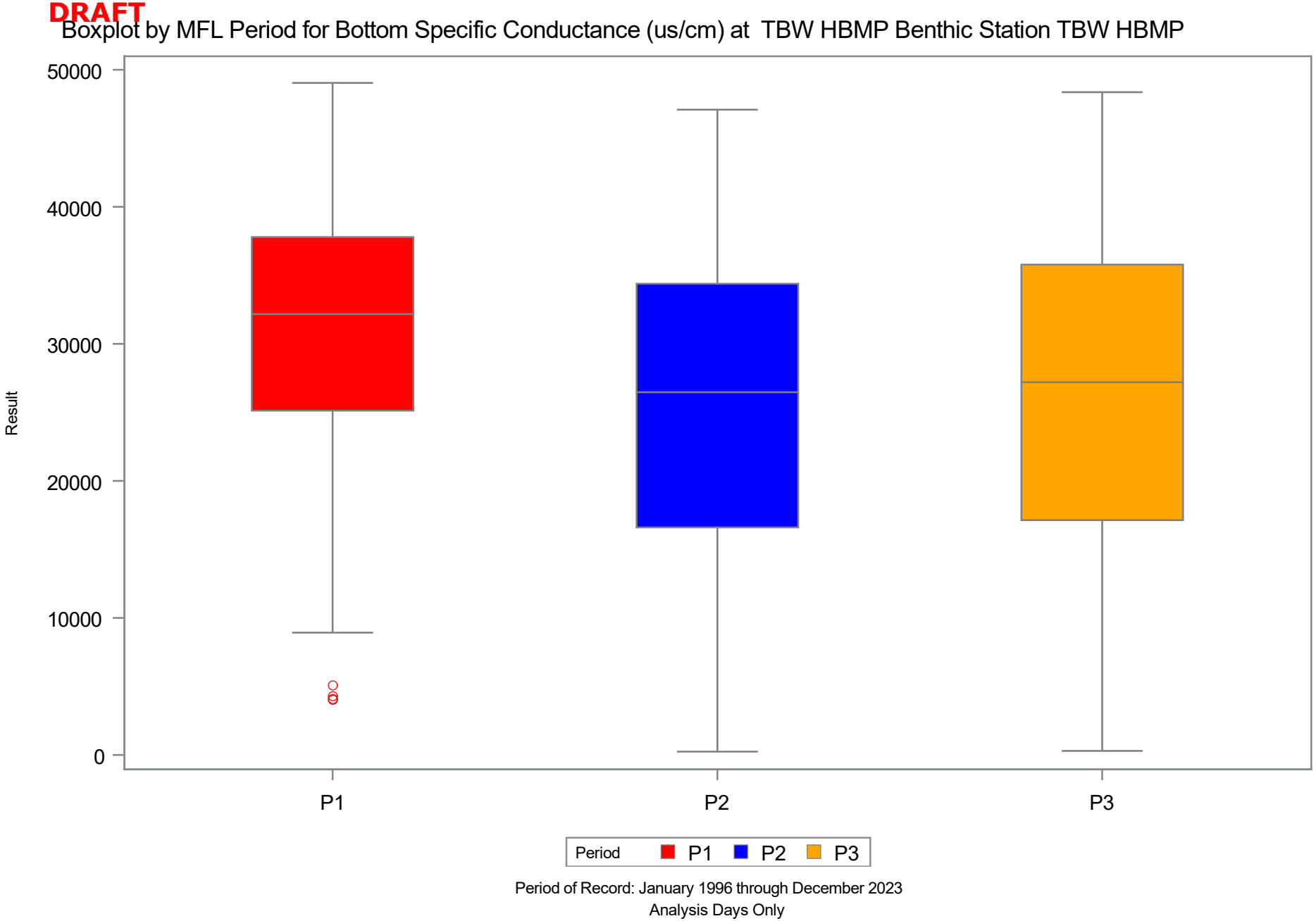
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP

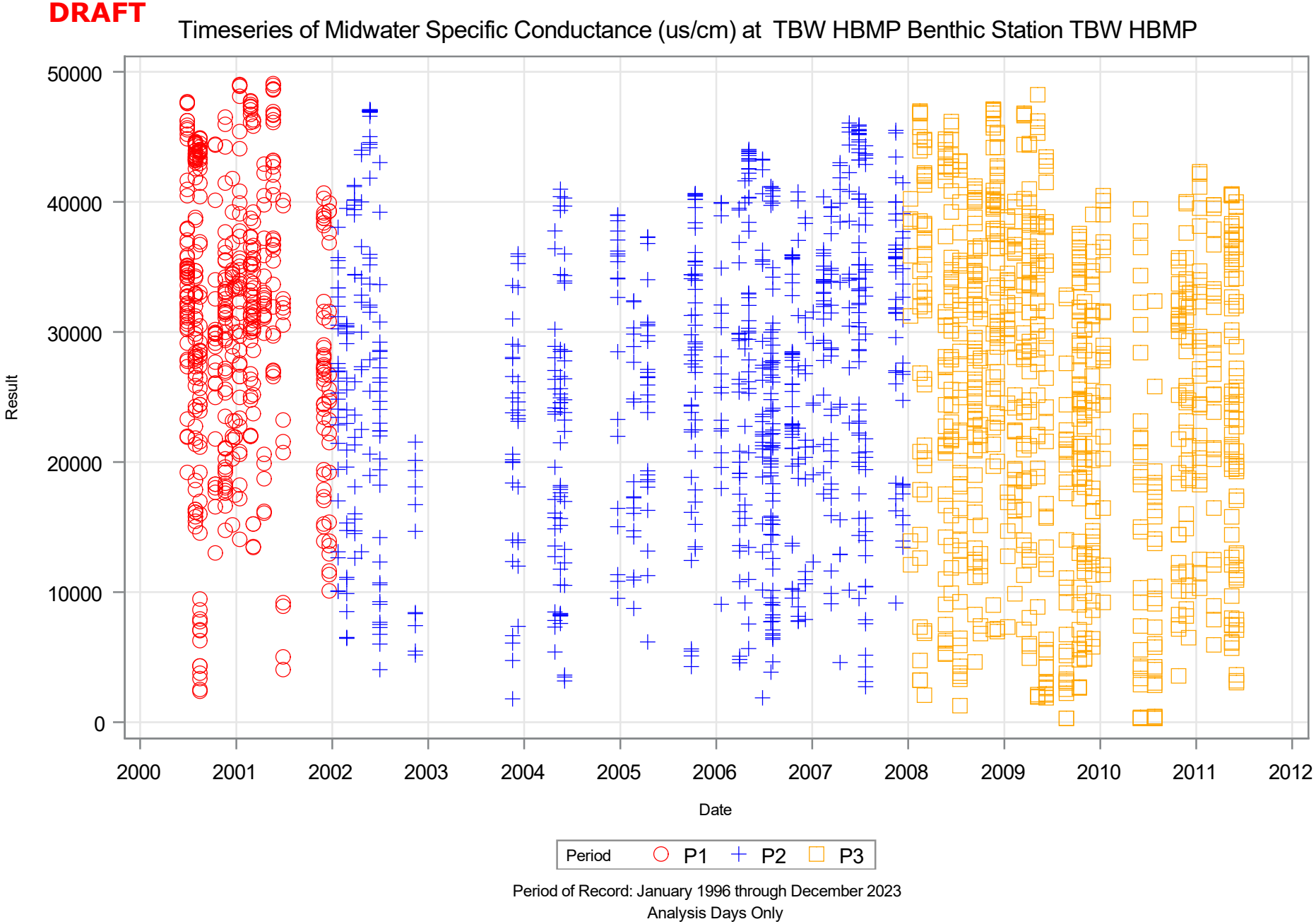
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	4026.00	25125.00	30898.73	32171.00	37793.00	49043.00
P2	428	242.80	16603.50	25126.90	26472.00	34387.00	47088.00
P3	360	296.00	17134.00	25835.88	27200.00	35782.00	48366.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

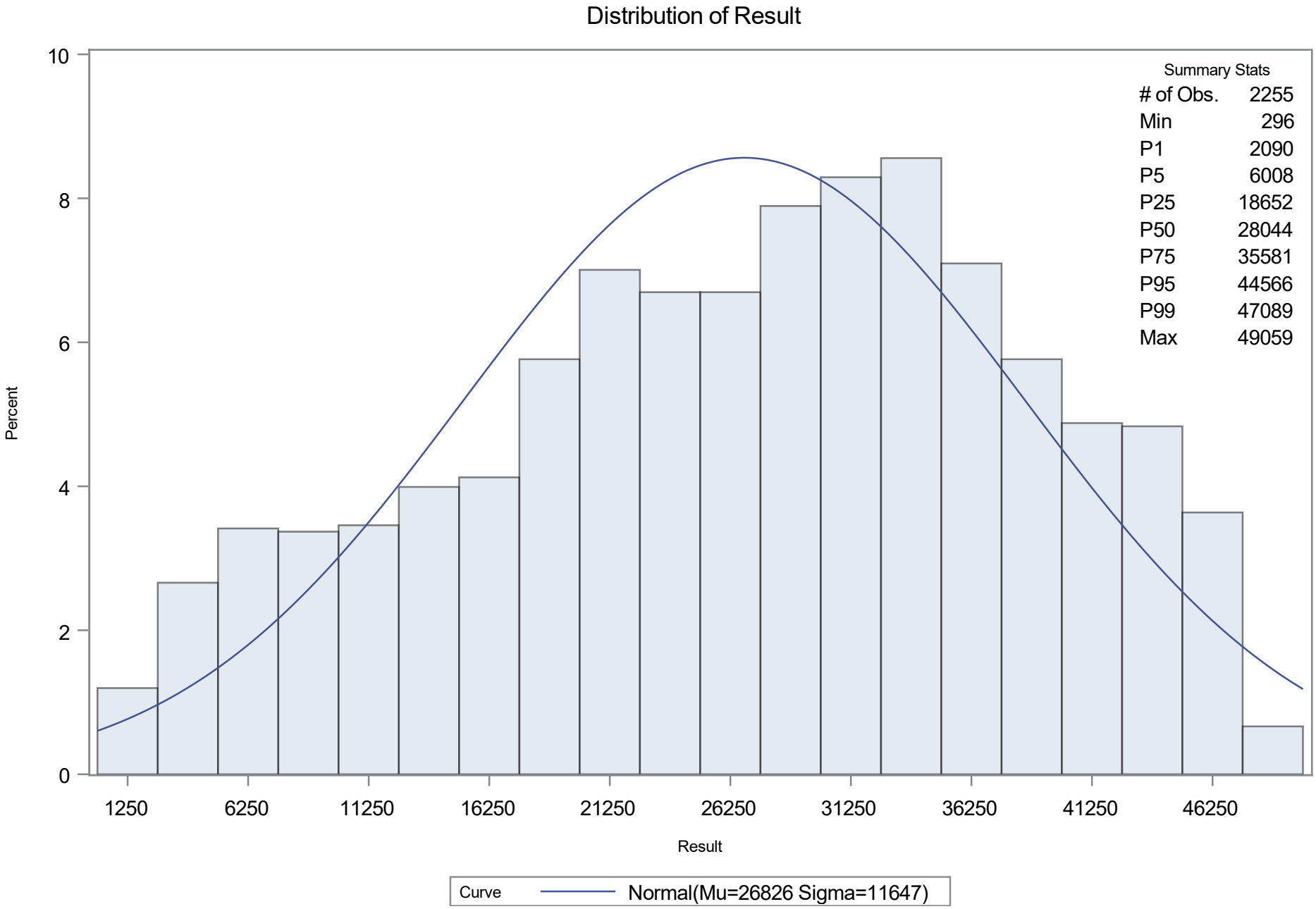

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26826.34
Std Dev	Sigma	11646.94

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0493693	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.6522554	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.6280214	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2090.00	-268.498
5.0	6008.00	7668.827
10.0	9258.00	11900.185
25.0	18652.00	18970.600
50.0	28044.00	26826.343
75.0	35581.00	34682.087
90.0	41794.00	41752.501
95.0	44566.00	45983.860
99.0	47089.00	53921.184

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

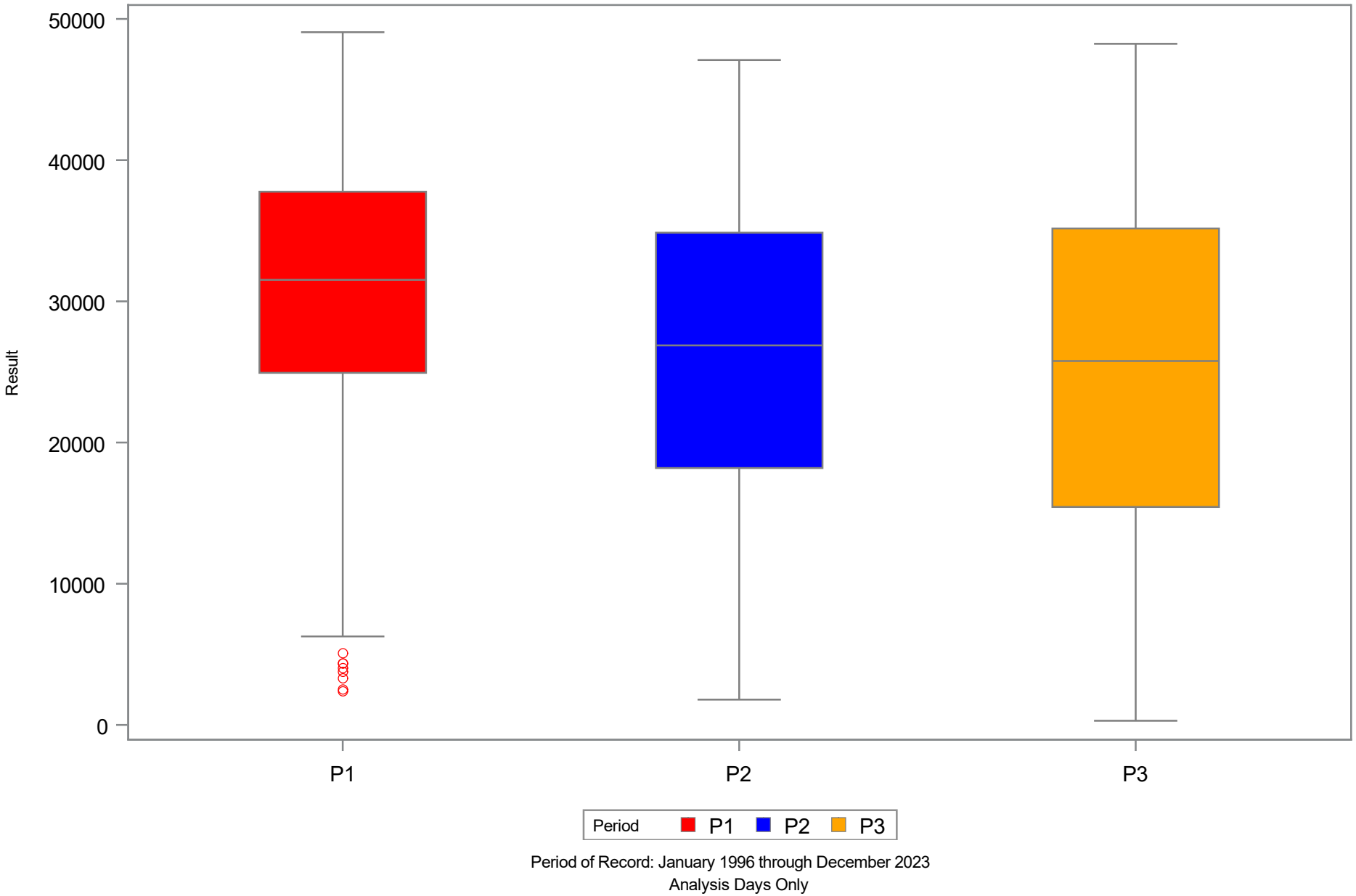
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	502	2374.00	24936.00	30936.11	31520.00	37765.00	49059.00
P2	873	1793.00	18195.00	26242.99	26880.00	34860.00	47089.00
P3	880	296.00	15438.50	25060.63	25777.50	35159.50	48239.00

Period of Record: January 1996 through December 2023
Analysis Days Only

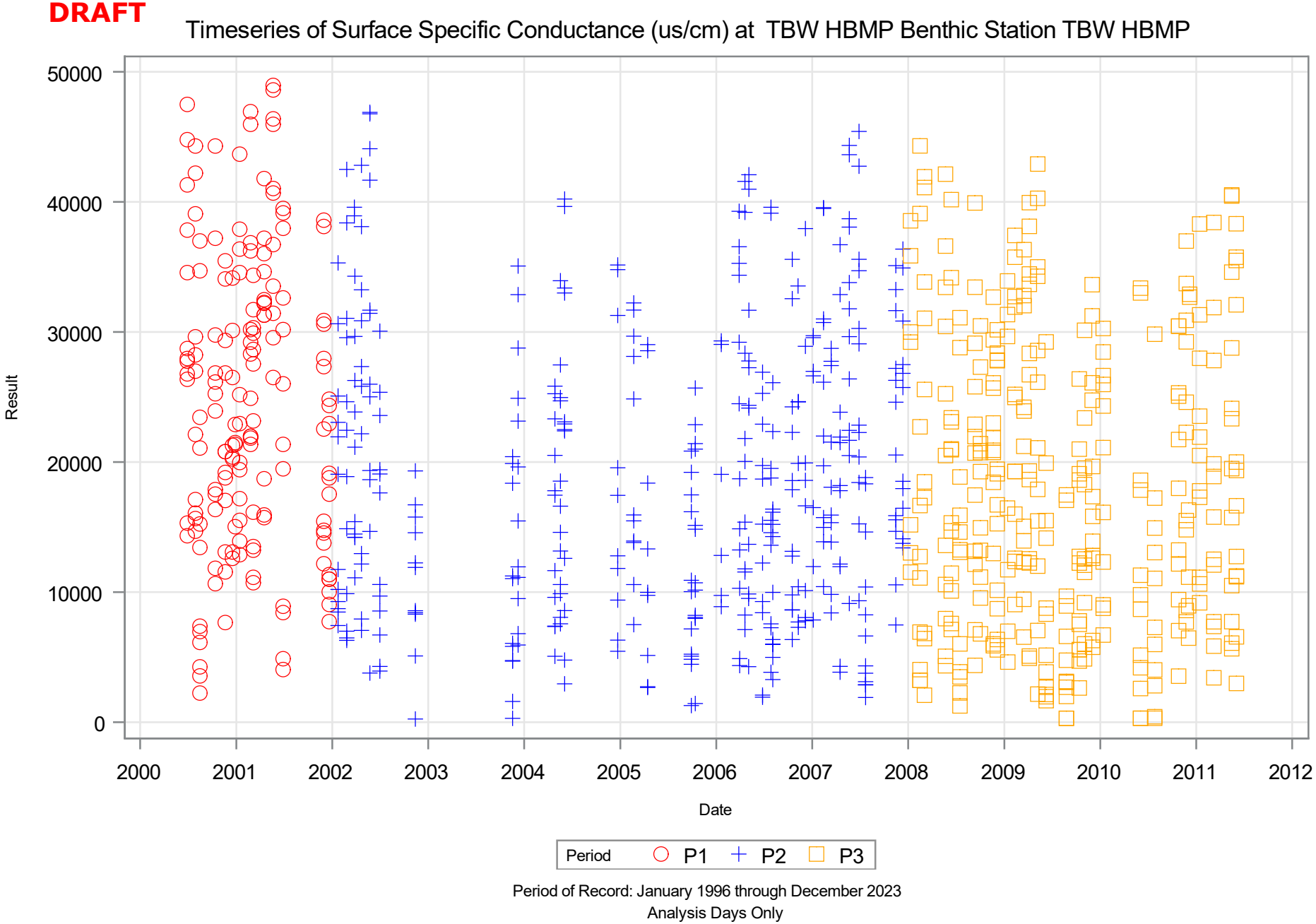
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP



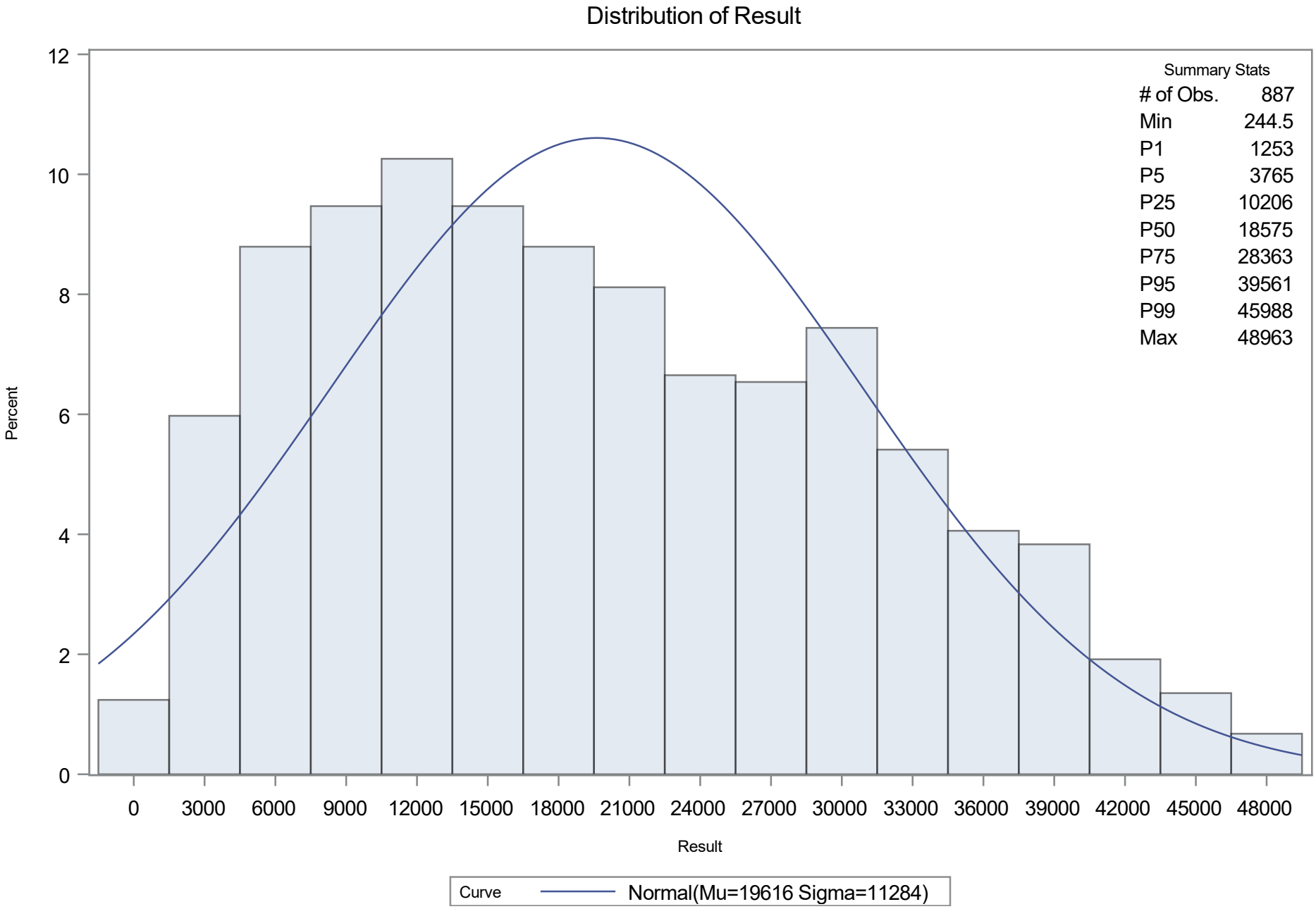
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	19615.76
Std Dev	Sigma	11284.28

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06648185	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.14121761	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.41930433	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1253.00	-6635.39
5.0	3765.00	1054.78
10.0	5578.00	5154.38
25.0	10206.00	12004.63
50.0	18575.00	19615.76
75.0	28363.00	27226.89
90.0	35582.00	34077.15
95.0	39561.00	38176.75
99.0	45988.00	45866.92

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

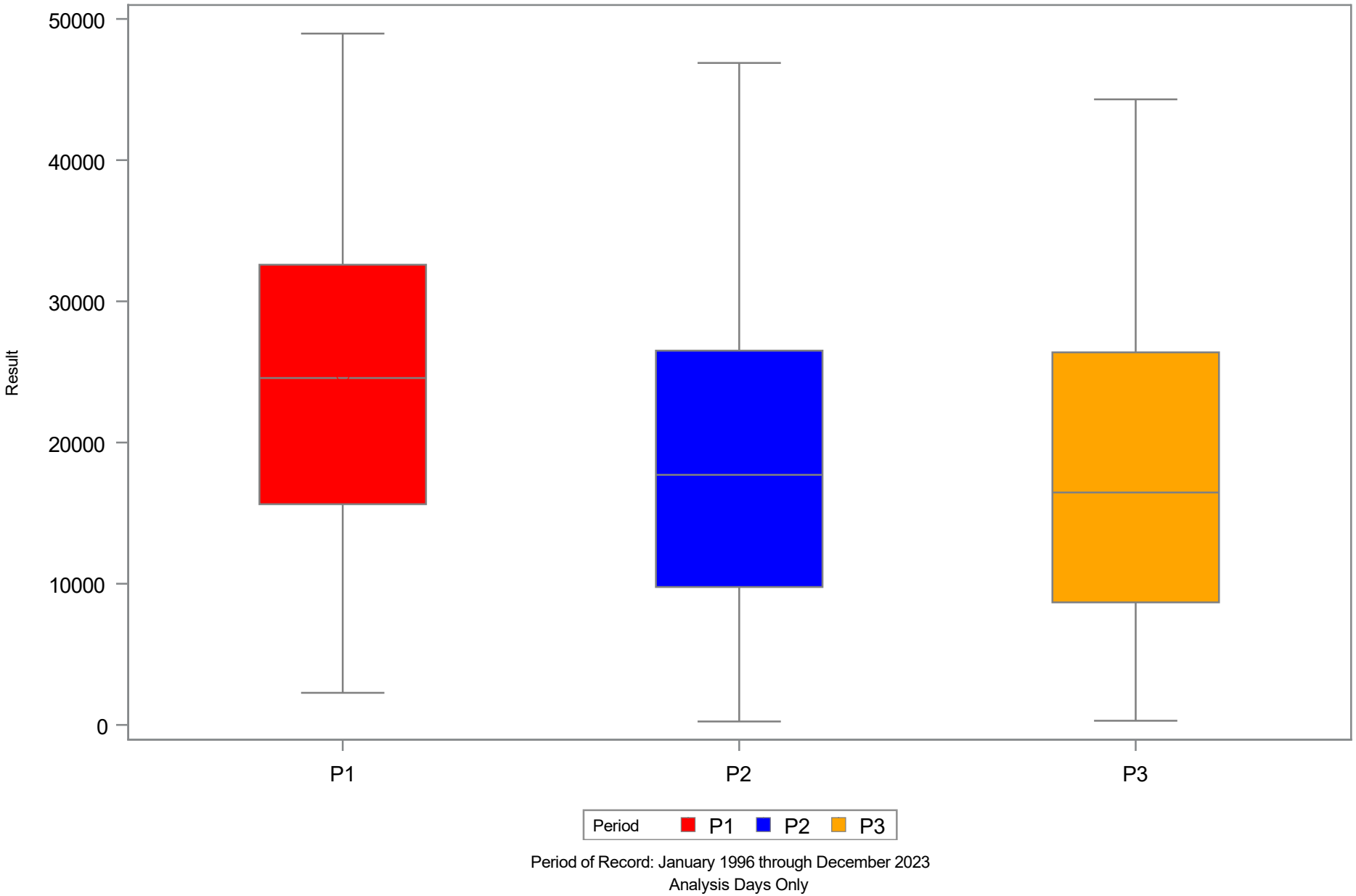
Distributional Statistics by Period for Surface Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	2273.00	15632.00	24807.17	24569.50	32591.00	48963.00
P2	392	244.50	9768.50	18845.08	17711.00	26507.50	46882.00
P3	329	297.00	8680.00	17914.66	16461.00	26386.00	44305.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

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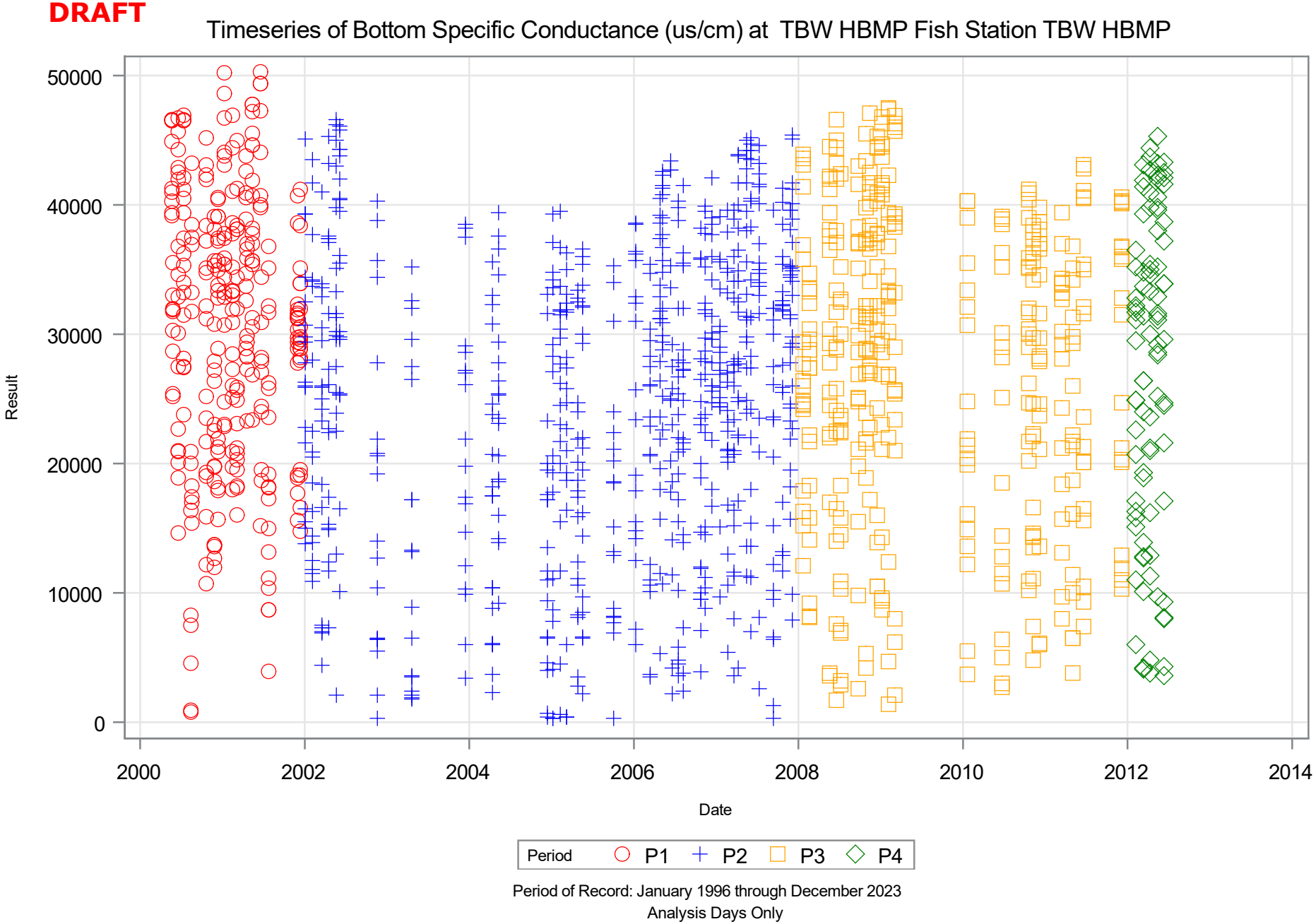
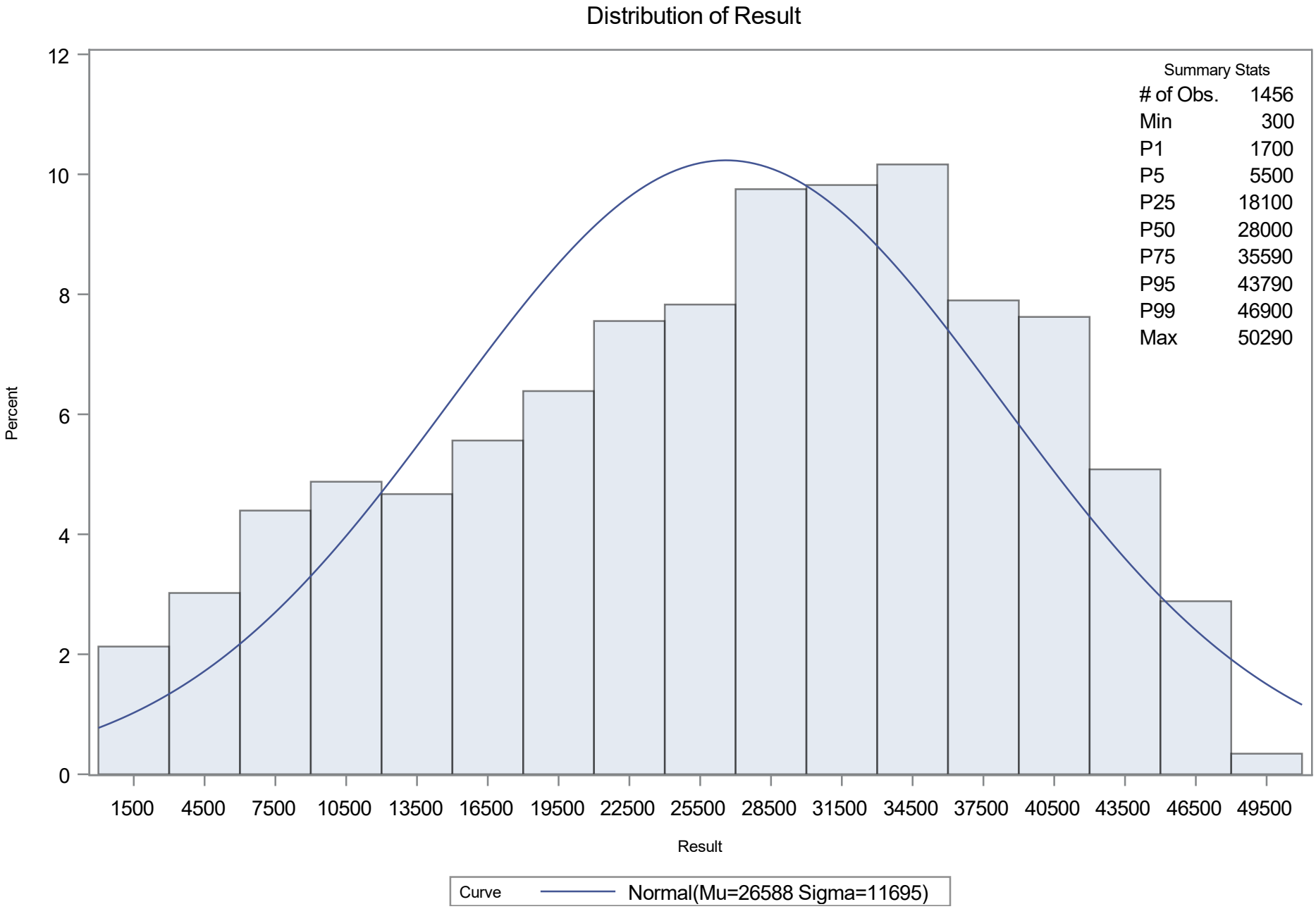

Timeseries of Bottom Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26587.88
Std Dev	Sigma	11695.38

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0640546	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.5966589	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.4773740	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1700.00	-619.634
5.0	5500.00	7350.697
10.0	9500.00	11599.651
25.0	18100.00	18699.467
50.0	28000.00	26587.878
75.0	35590.00	34476.289
90.0	41200.00	41576.104
95.0	43790.00	45825.058
99.0	46900.00	53795.389

Period of Record: January 1996 through December 2023
Analysis Days Only

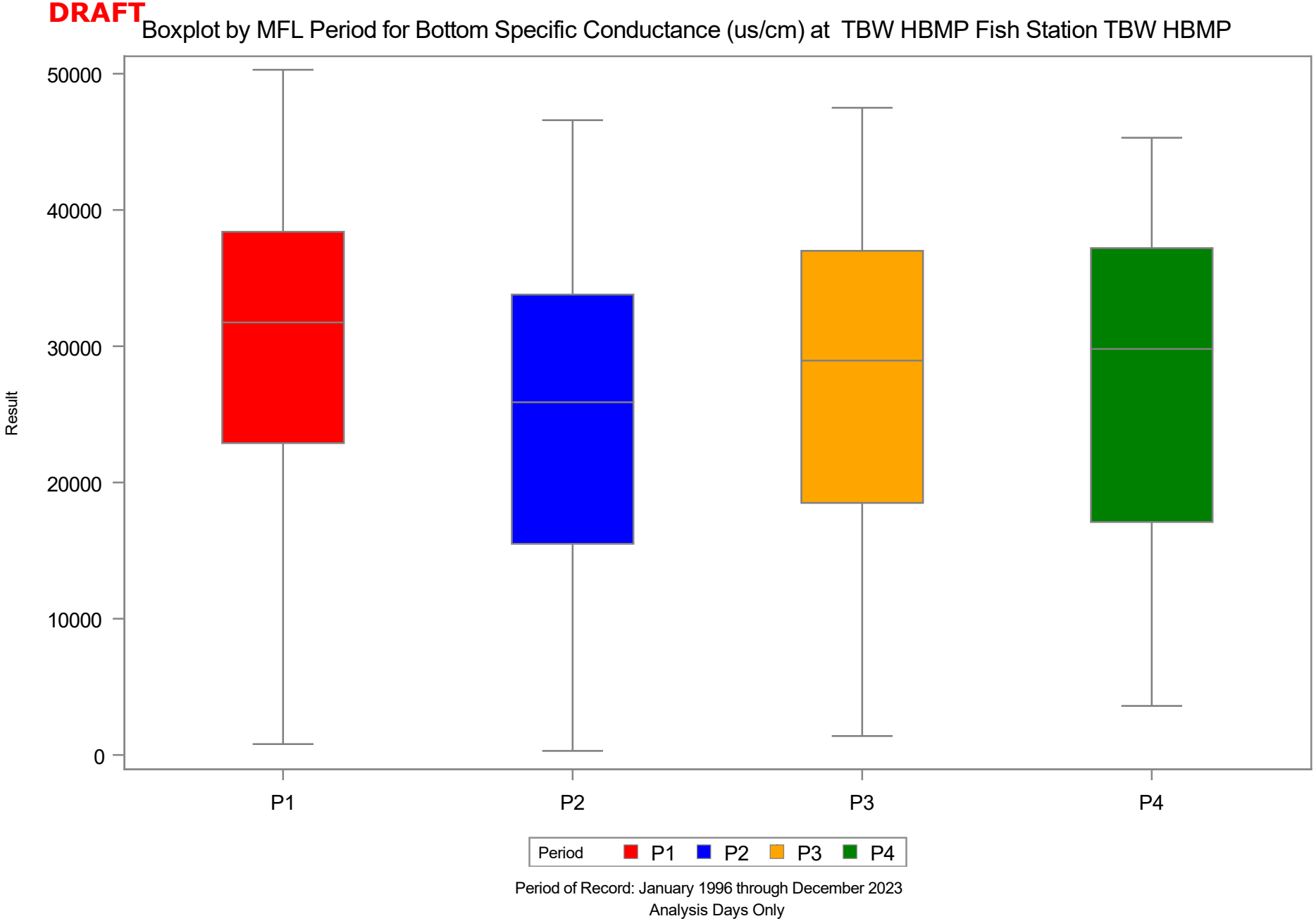
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP

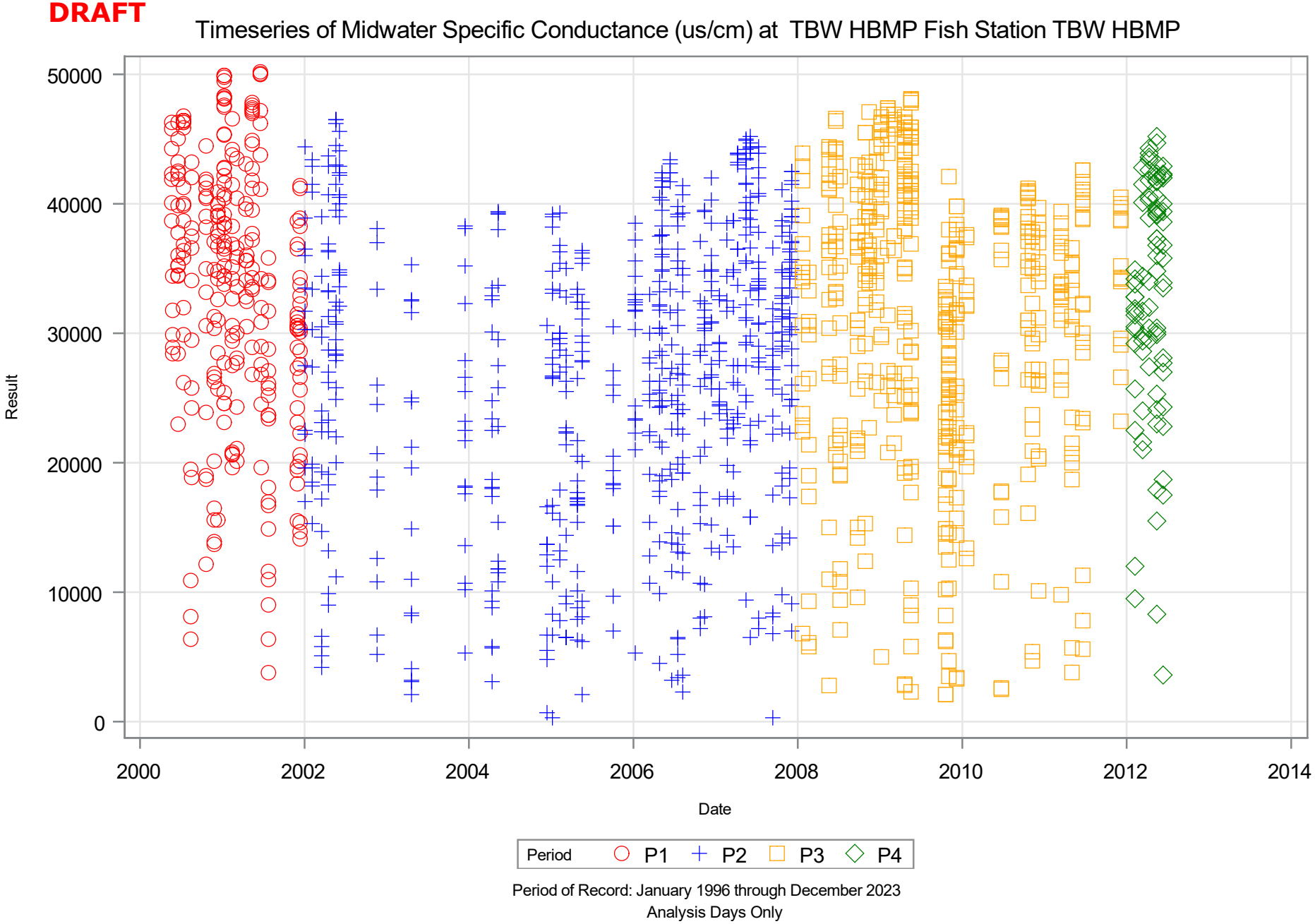
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	286	800.00	22890.00	30549.34	31745.00	38400.00	50290.00
P2	702	300.00	15500.00	24578.28	25890.00	33790.00	46590.00
P3	378	1390.00	18500.00	27180.93	28945.00	37000.00	47500.00
P4	90	3600.00	17100.00	27183.33	29800.00	37200.00	45300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

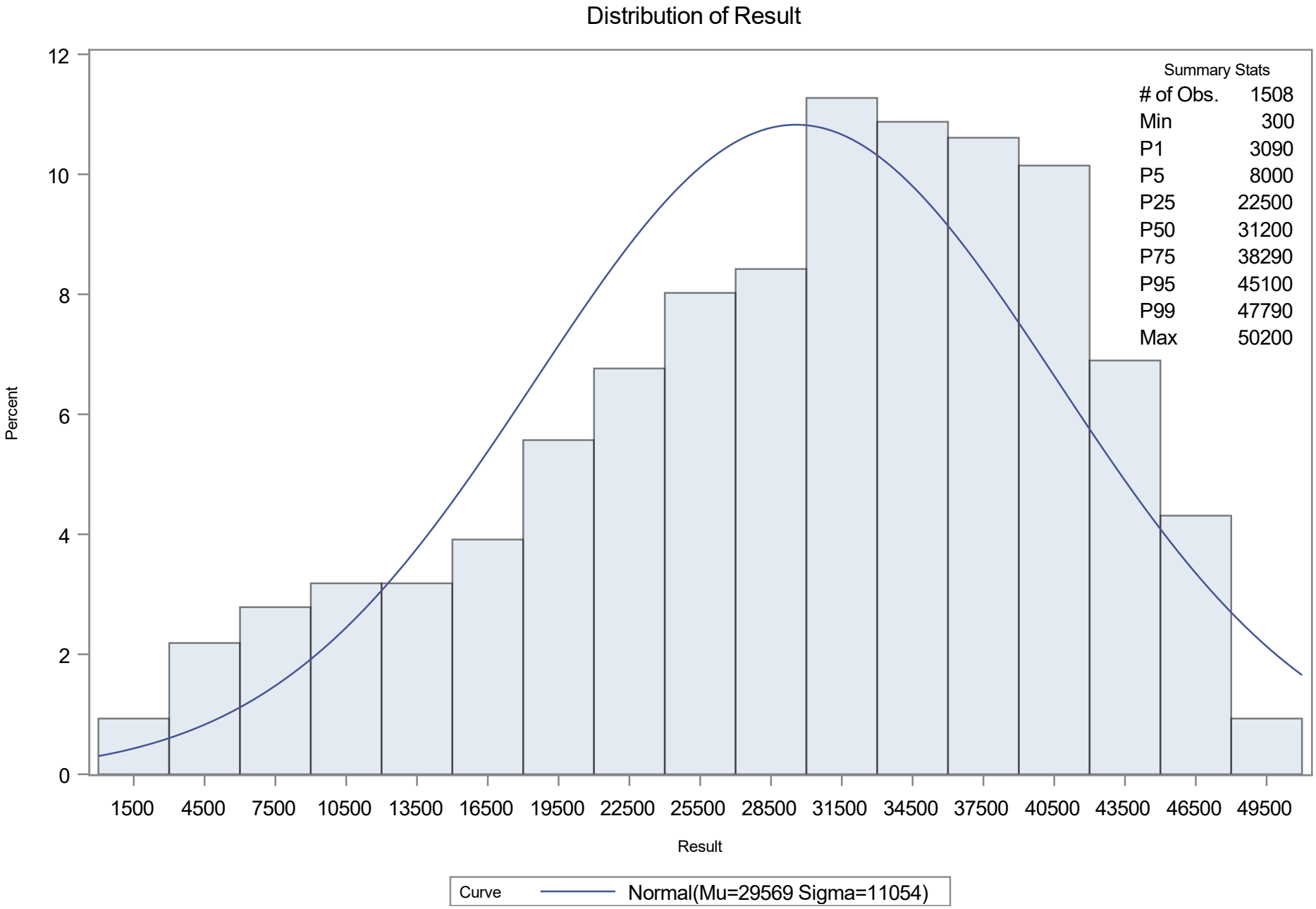
DRAFT


Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	29569.05
Std Dev	Sigma	11054.5

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0666208	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.1137695	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.0083635	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3090.00	3852.45
5.0	8000.00	11386.02
10.0	13100.00	15402.14
25.0	22500.00	22112.91
50.0	31200.00	29569.05
75.0	38290.00	37025.20
90.0	42700.00	43735.96
95.0	45100.00	47752.08
99.0	47790.00	55285.66

Period of Record: January 1996 through December 2023
Analysis Days Only

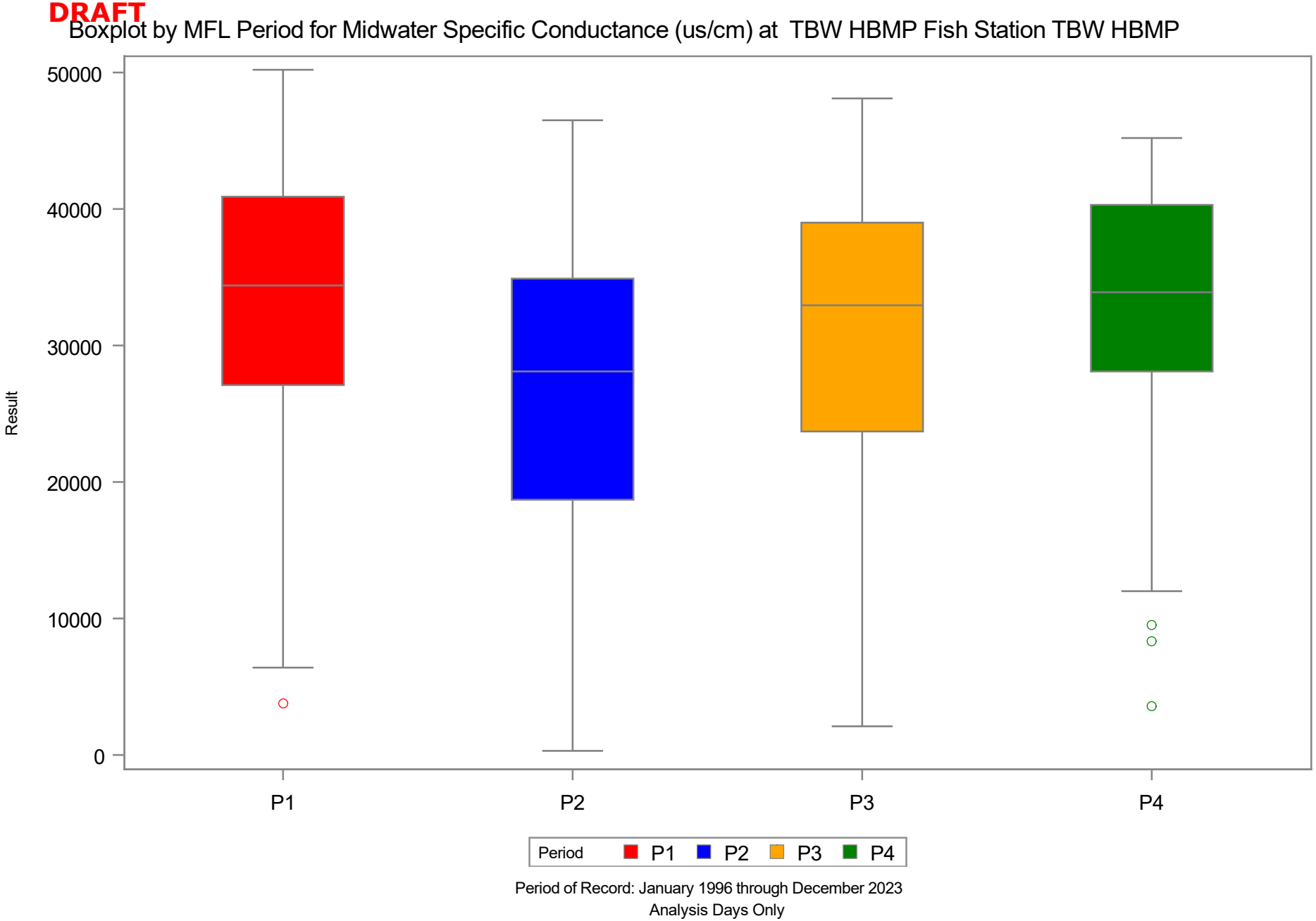
DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP

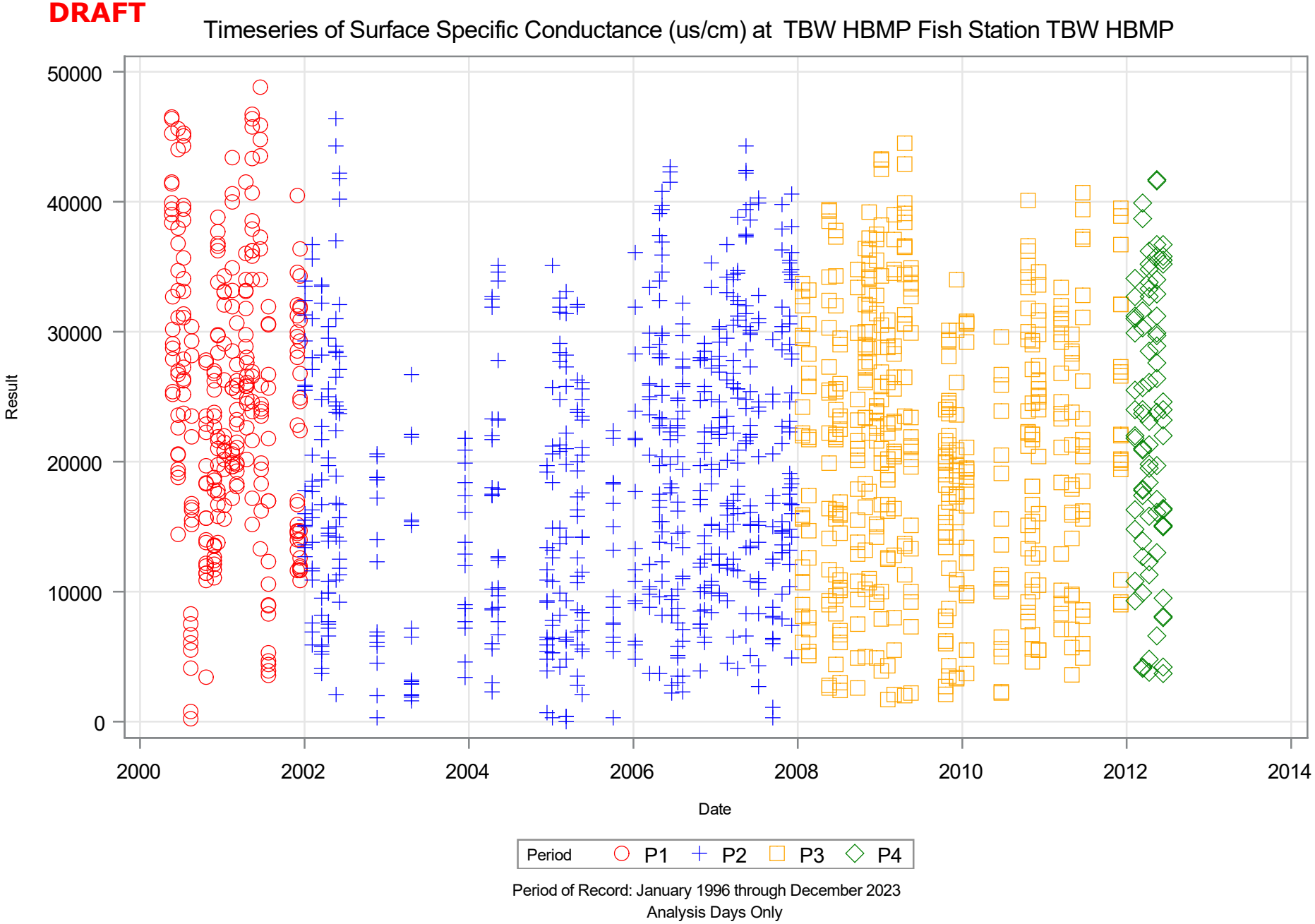
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	269	3790.00	27100.00	33393.61	34400.00	40900.00	50200.00
P2	656	300.00	18700.00	26677.23	28100.00	34900.00	46500.00
P3	498	2100.00	23700.00	30770.66	32945.00	39000.00	48100.00
P4	85	3600.00	28100.00	32743.53	33900.00	40300.00	45200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

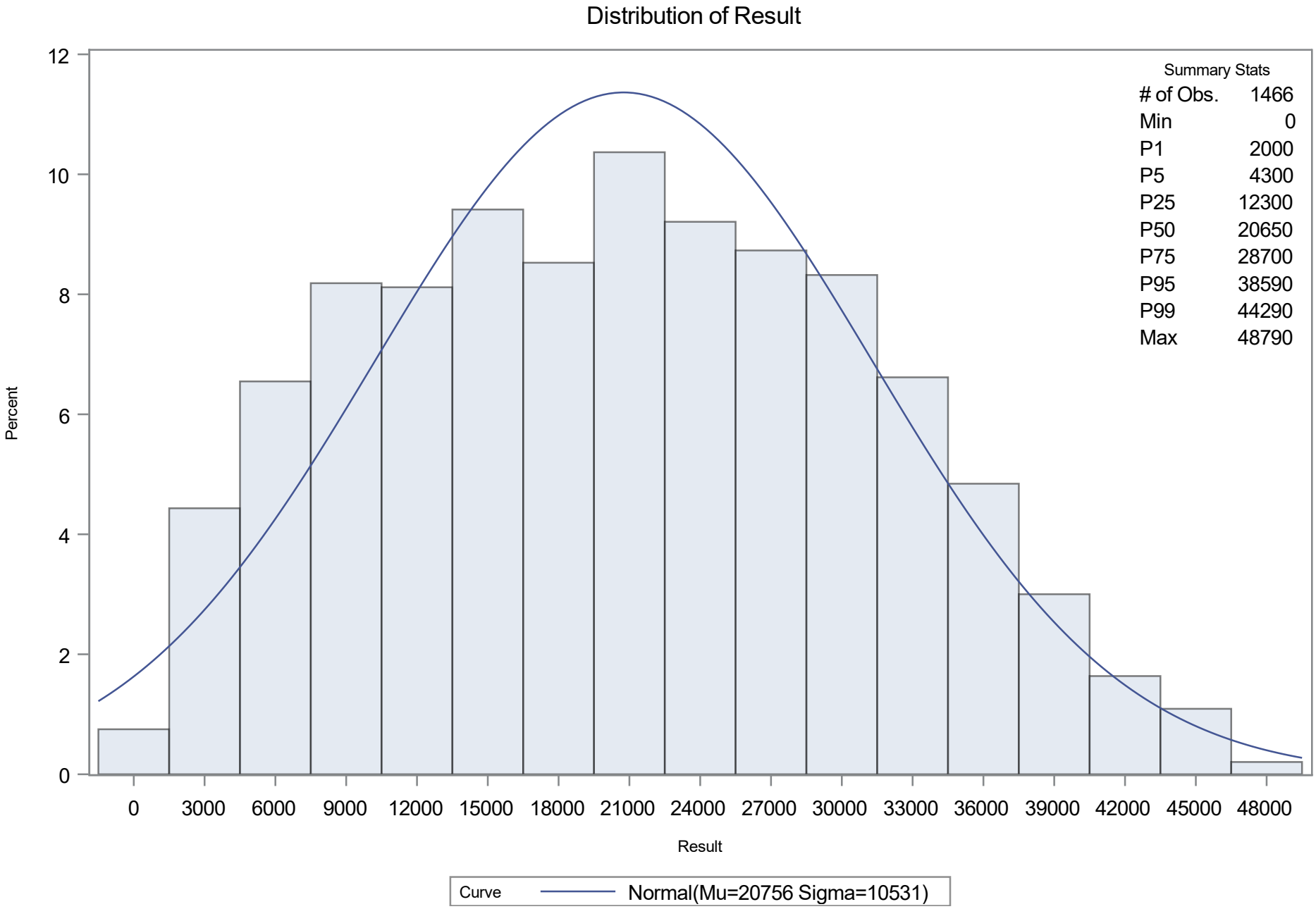
DRAFT


Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20755.52
Std Dev	Sigma	10530.85

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04183777	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.69215615	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.03084355	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2000.00	-3742.89
5.0	4300.00	3433.82
10.0	6500.00	7259.70
25.0	12300.00	13652.57
50.0	20650.00	20755.52
75.0	28700.00	27858.47
90.0	34790.00	34251.34
95.0	38590.00	38077.22
99.0	44290.00	45253.93

Period of Record: January 1996 through December 2023
Analysis Days Only

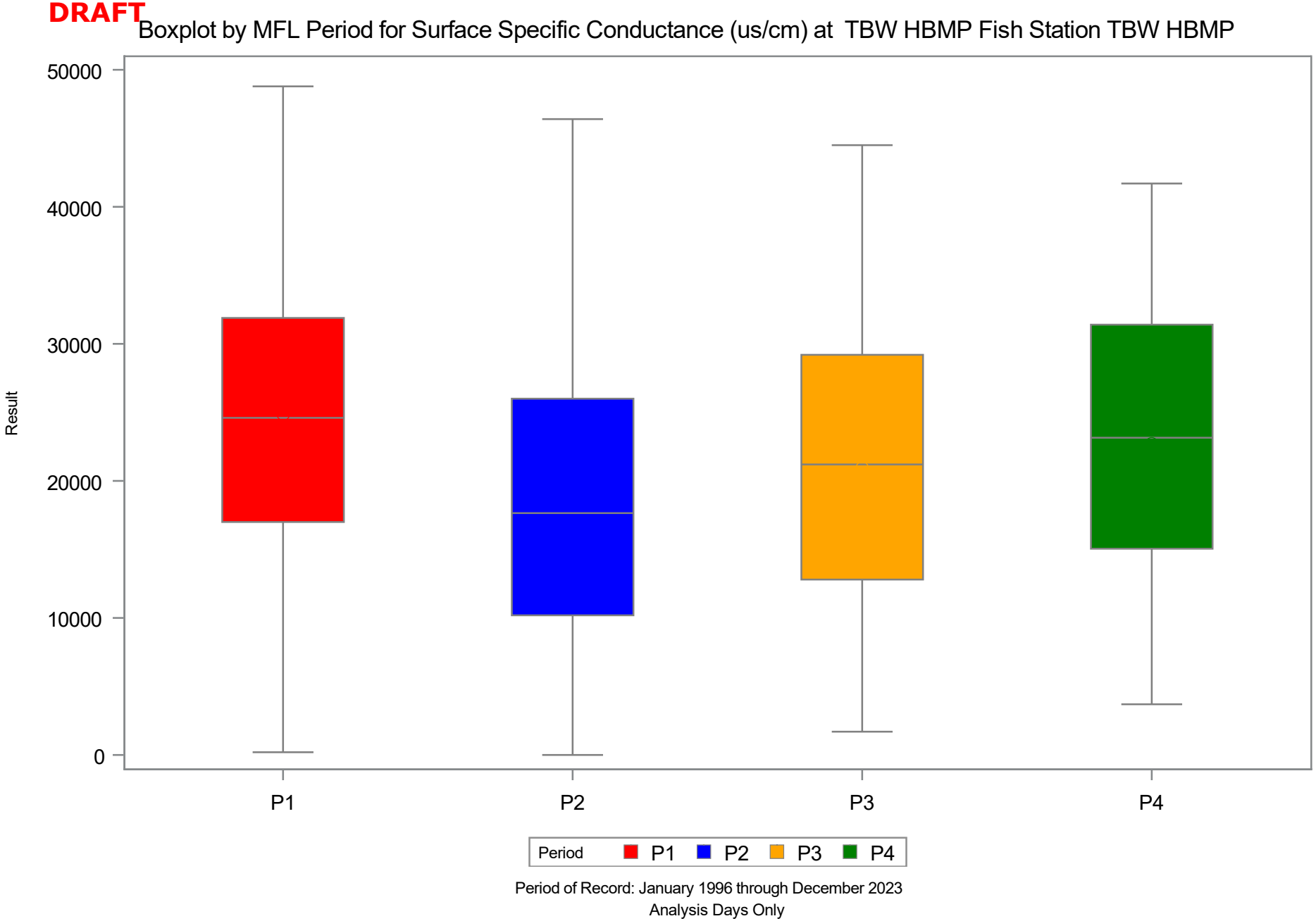
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP

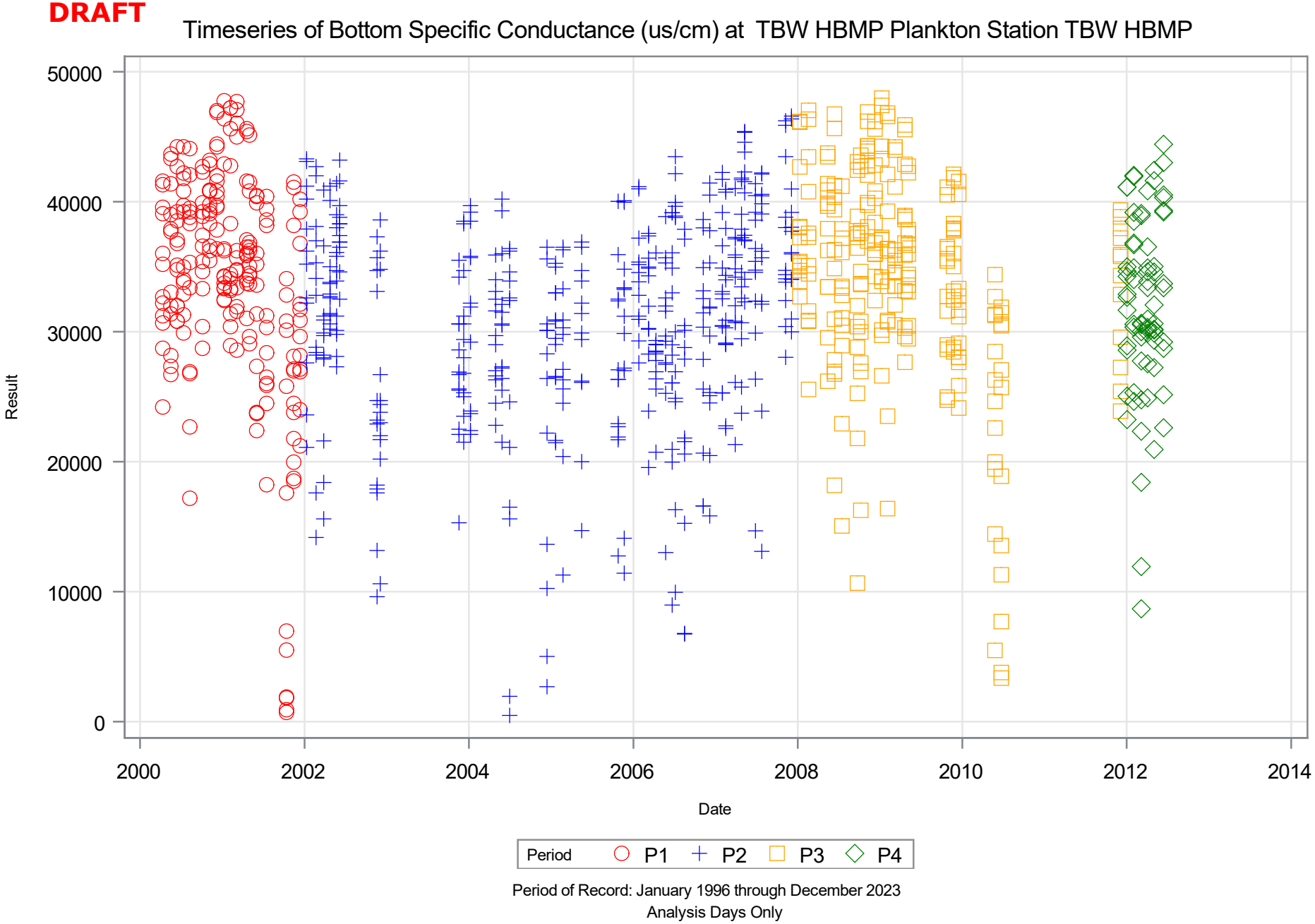
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	273	200.00	17000.00	24860.22	24600.00	31890.00	48790.00
P2	660	0.00	10190.00	18683.12	17650.00	26000.00	46400.00
P3	449	1700.00	12800.00	20937.84	21200.00	29200.00	44500.00
P4	84	3700.00	15050.00	22723.81	23150.00	31400.00	41700.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

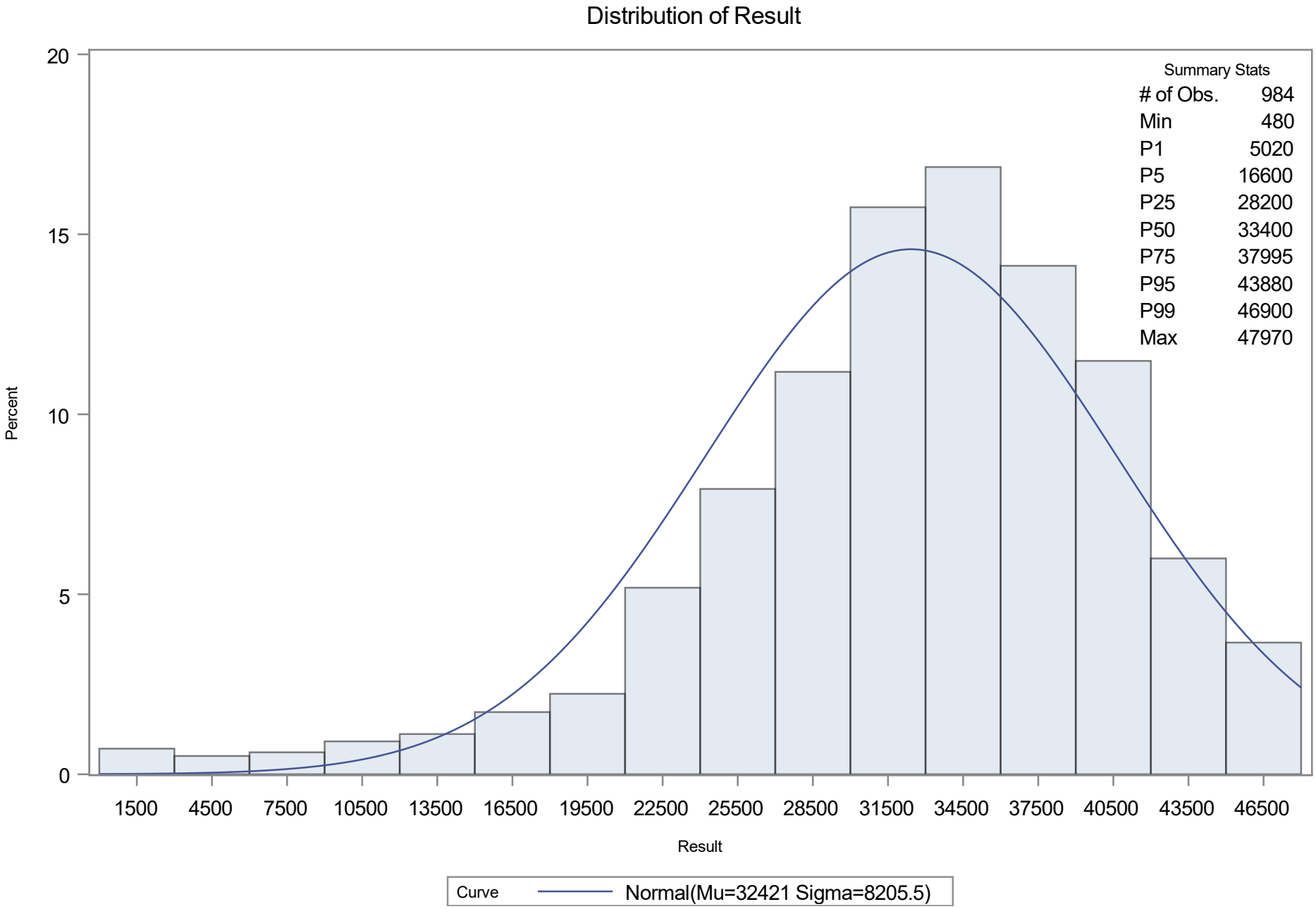

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at TBW HBMP Fish Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	32421.35
Std Dev	Sigma	8205.498

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06686115	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.28165462	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.74484261	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5020.00	13332.5
5.0	16600.00	18924.5
10.0	22400.00	21905.6
25.0	28200.00	26886.8
50.0	33400.00	32421.4
75.0	37995.00	37955.9
90.0	41800.00	42937.1
95.0	43880.00	45918.2
99.0	46900.00	51510.2

Period of Record: January 1996 through December 2023
Analysis Days Only

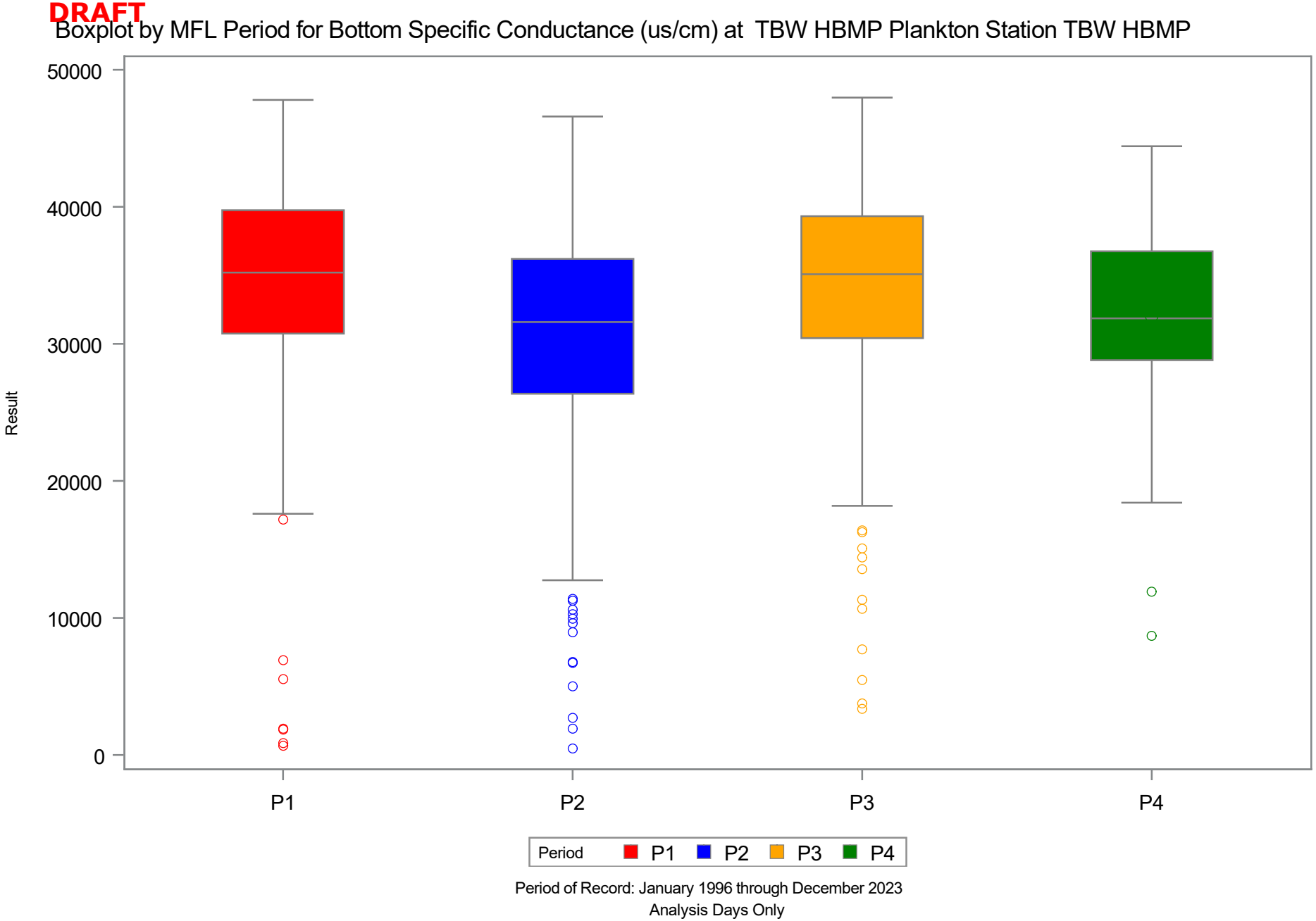
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP

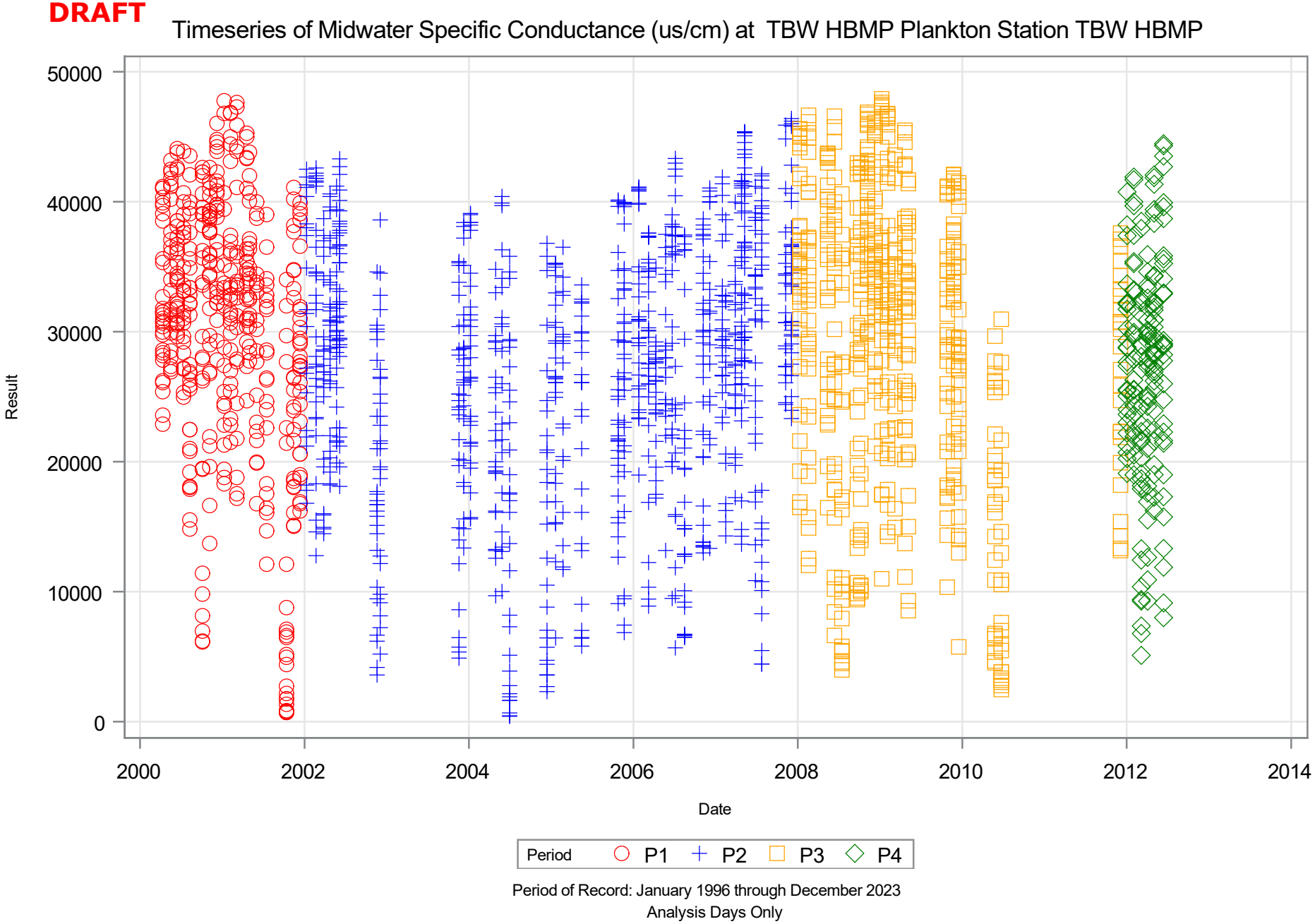
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	700.00	30750.00	34204.95	35200.00	39750.00	47800.00
P2	456	480.00	26360.00	30731.10	31590.00	36200.00	46590.00
P3	240	3350.00	30420.00	34136.08	35080.00	39315.00	47970.00
P4	72	8680.00	28810.00	32059.72	31860.00	36755.00	44420.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

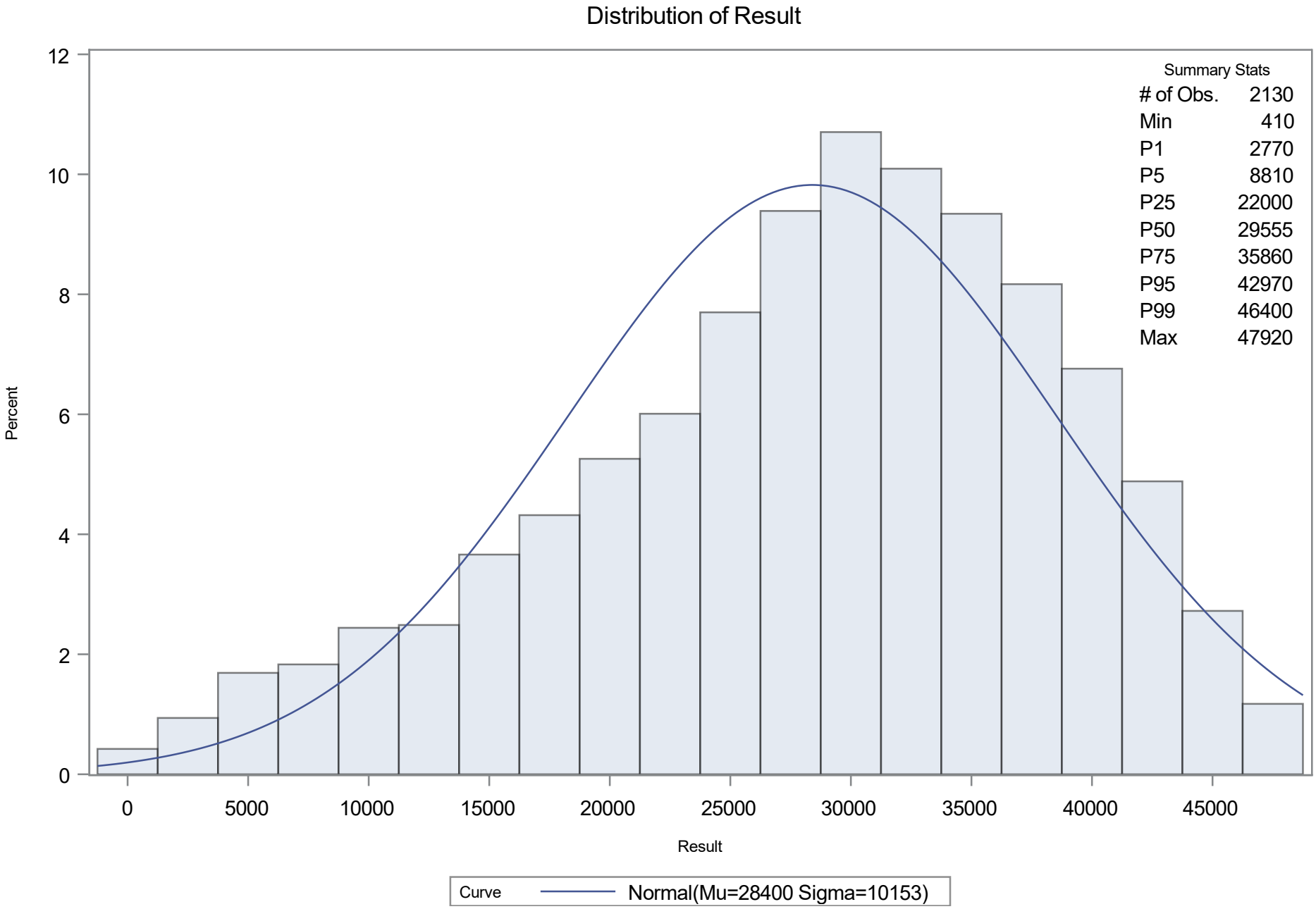

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	28400.47
Std Dev	Sigma	10153.21

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0554360	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.0744208	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.5554324	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2770.00	4780.57
5.0	8810.00	11699.92
10.0	13970.00	15388.61
25.0	22000.00	21552.24
50.0	29555.00	28400.47
75.0	35860.00	35248.71
90.0	40875.00	41412.34
95.0	42970.00	45101.02
99.0	46400.00	52020.38

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

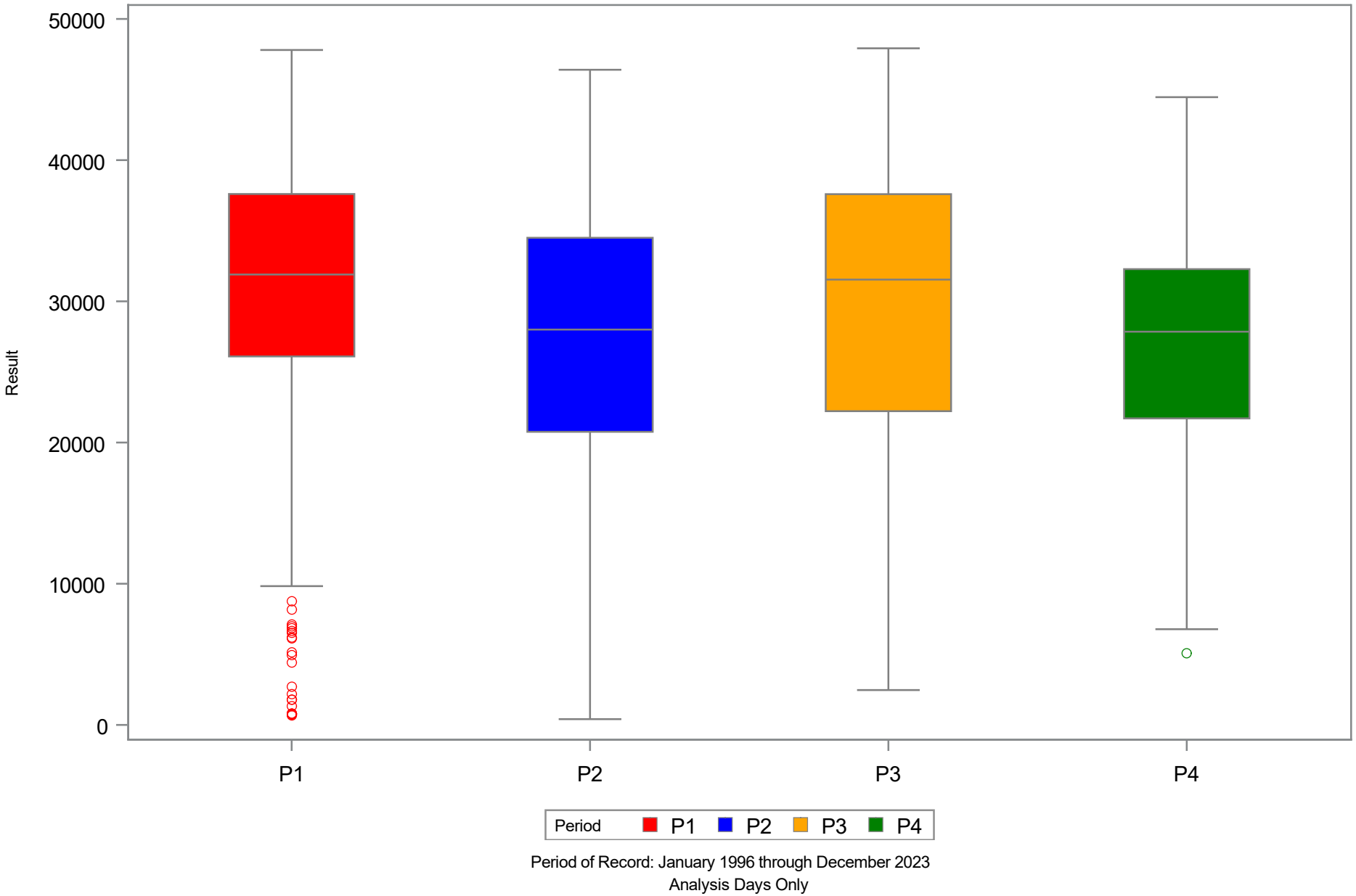
Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	438	700.00	26100.00	30424.00	31900.00	37600.00	47800.00
P2	949	410.00	20760.00	26976.99	28000.00	34500.00	46400.00
P3	574	2470.00	22220.00	29601.34	31540.00	37590.00	47920.00
P4	169	5100.00	21710.00	27070.83	27850.00	32280.00	44460.00

Period of Record: January 1996 through December 2023
Analysis Days Only

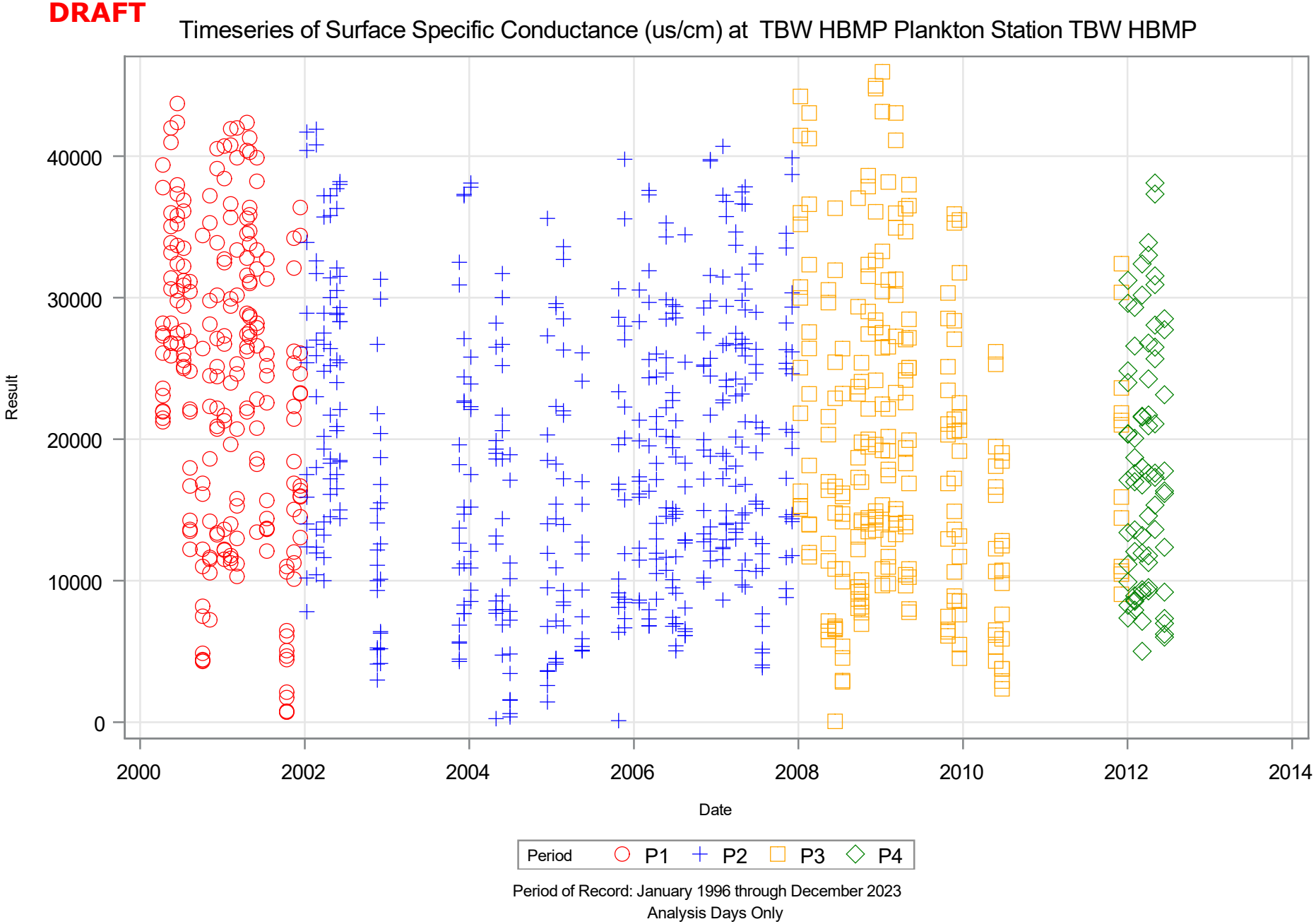
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP



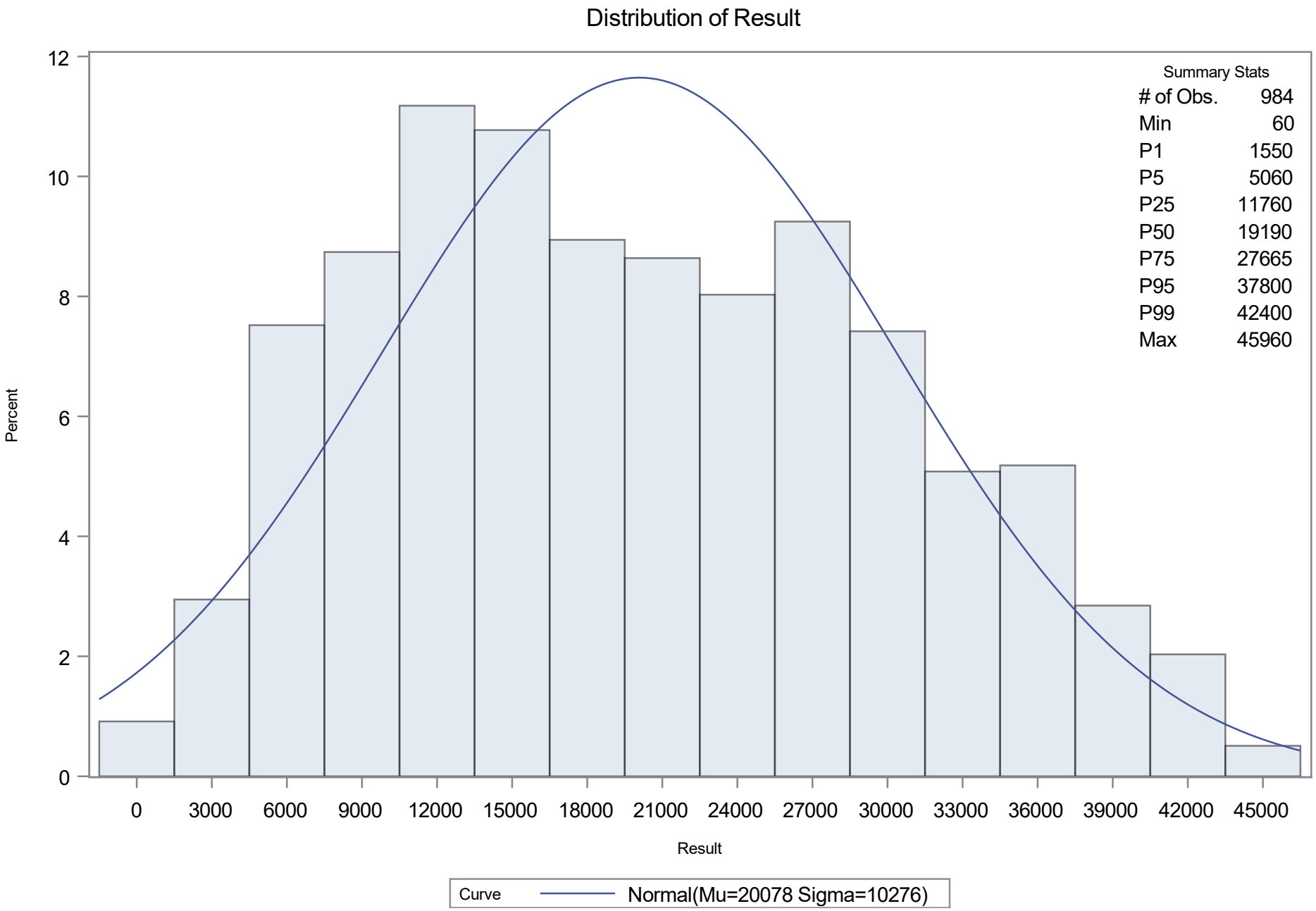
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP
Result
40000
30000
20000
10000
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20078.01
Std Dev	Sigma	10276.22

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07253452	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.10863513	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.82737555	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1550.00	-3828.05
5.0	5060.00	3175.13
10.0	6970.00	6908.50
25.0	11760.00	13146.80
50.0	19190.00	20078.01
75.0	27665.00	27009.21
90.0	34930.00	33247.51
95.0	37800.00	36980.88
99.0	42400.00	43984.07

Period of Record: January 1996 through December 2023
Analysis Days Only

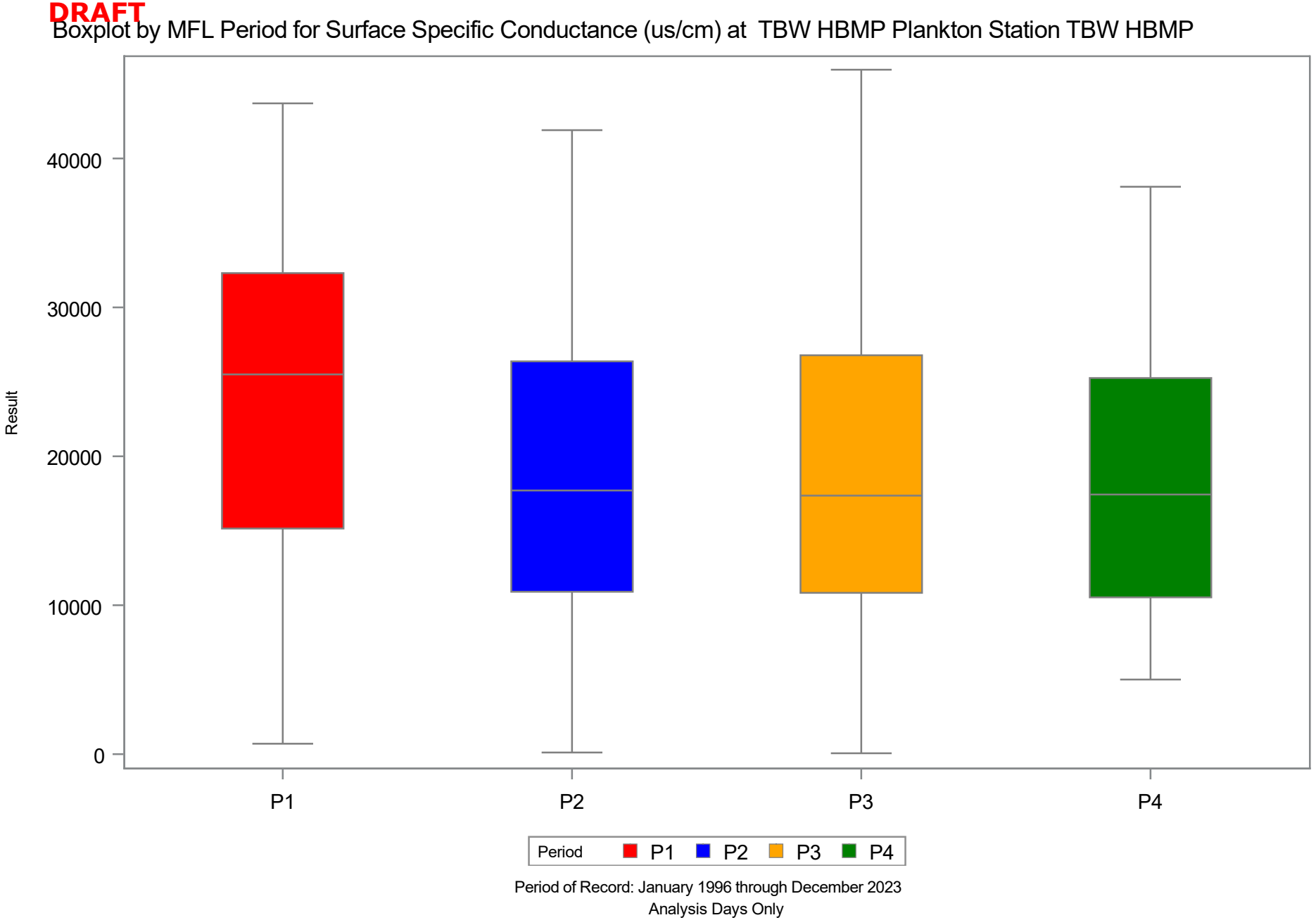
DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	700.00	15150.00	24132.82	25500.00	32300.00	43700.00
P2	456	110.00	10905.00	18797.79	17705.00	26375.00	41900.00
P3	240	60.00	10830.00	19392.29	17360.00	26785.00	45960.00
P4	72	5010.00	10530.00	18307.36	17435.00	25255.00	38100.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance (us/cm) at TBW HBMP Plankton Station TBW HBMP
Result
40000
30000
20000
10000
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

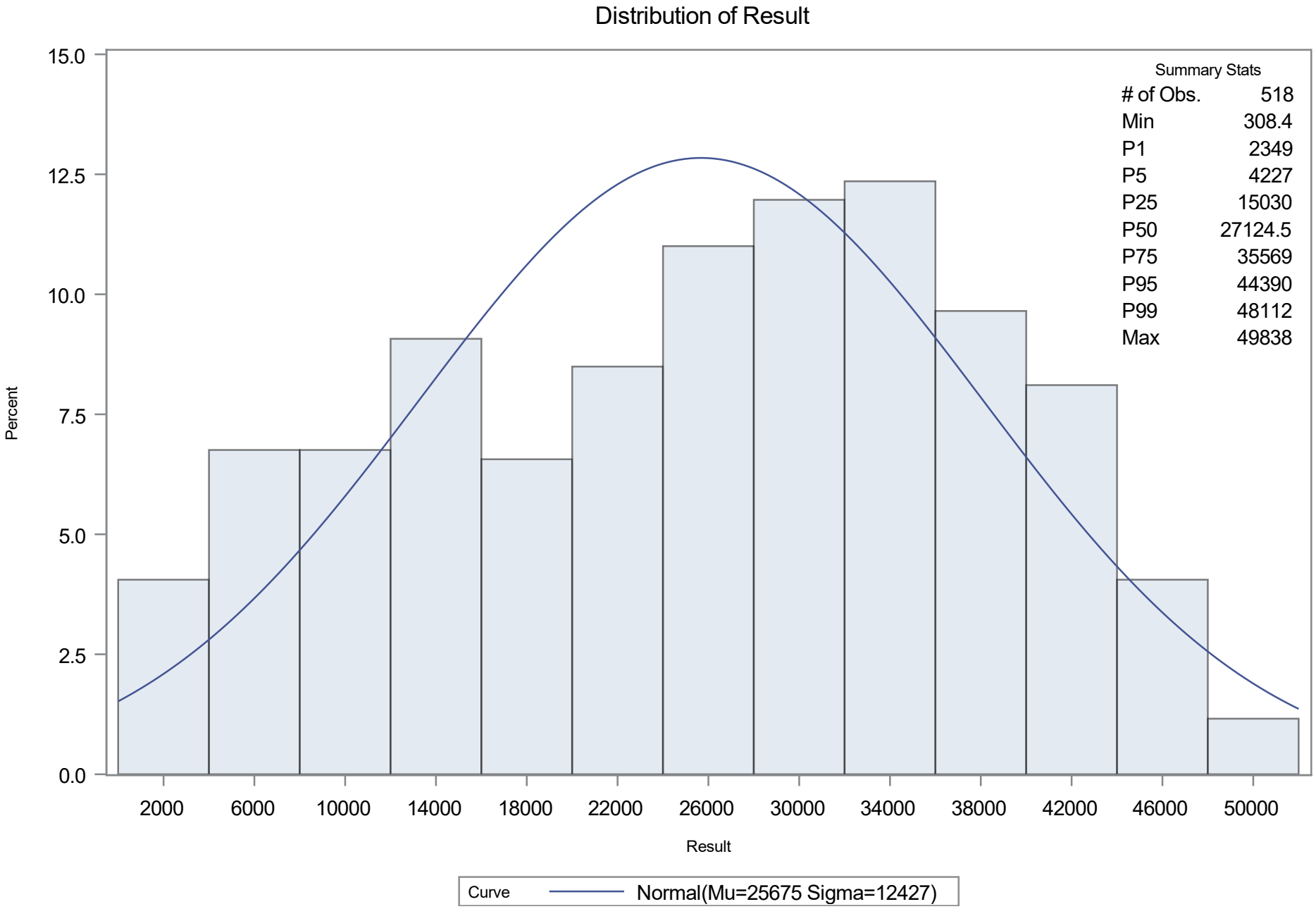
DRAFT

Timeseries of Bottom Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25674.71
Std Dev	Sigma	12426.69

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06438110	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.69728334	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.48327800	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2349.00	-3234.09
5.0	4227.00	5234.62
10.0	7581.00	9749.27
25.0	15030.00	17293.04
50.0	27124.50	25674.71
75.0	35569.00	34056.39
90.0	41721.00	41600.16
95.0	44390.00	46114.80
99.0	48112.00	54583.52

Period of Record: January 1996 through December 2023
Analysis Days Only

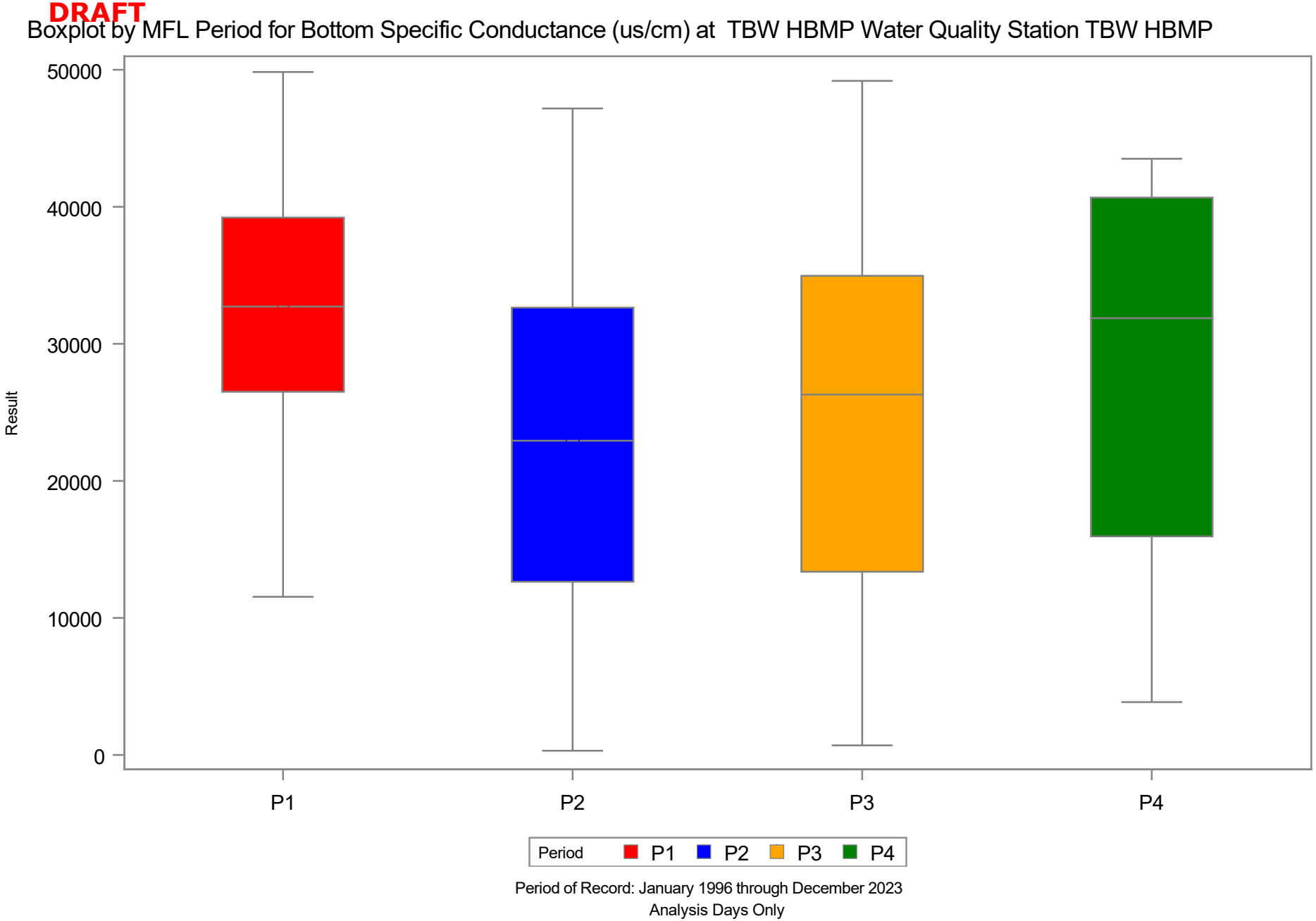
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

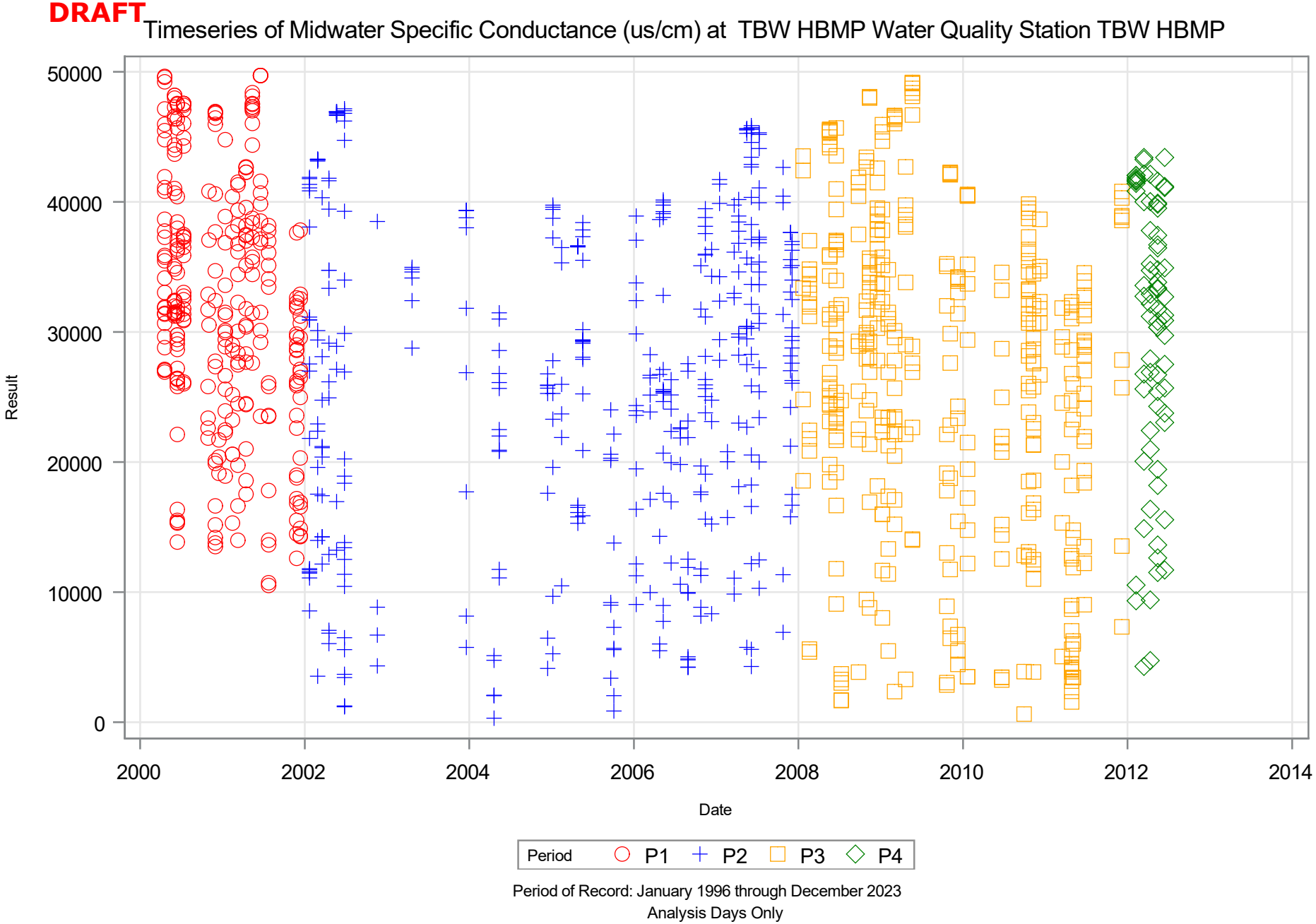
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	96	11541.00	26502.00	32935.78	32720.00	39217.50	49838.00
P2	226	308.40	12642.00	22969.28	22933.50	32644.00	47177.00
P3	166	700.00	13371.00	24715.46	26298.00	34965.00	49190.00
P4	30	3859.00	15950.00	28128.00	31876.50	40672.00	43507.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

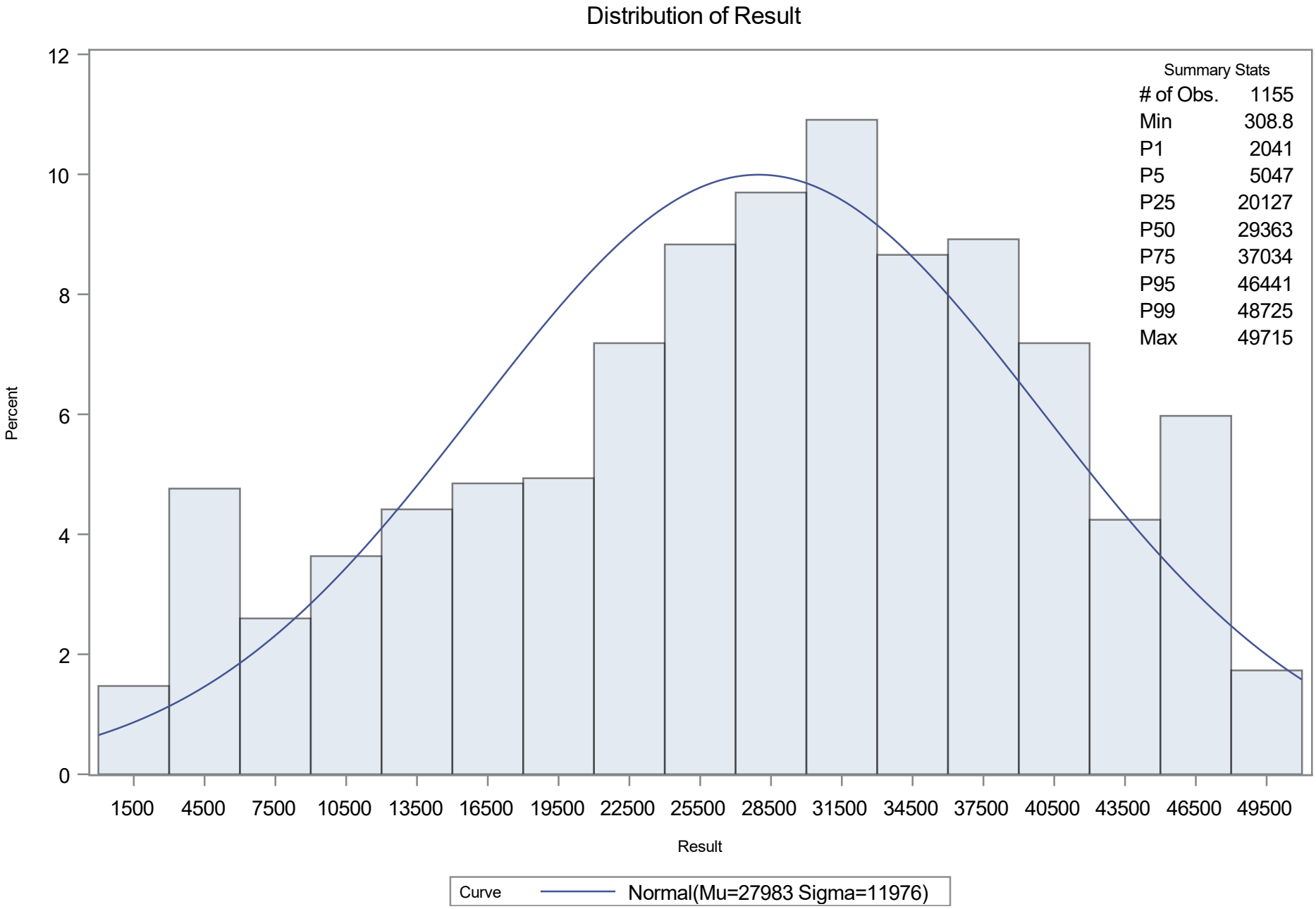

Boxplot by MFL Period for Bottom Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	27983.07
Std Dev	Sigma	11975.95

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05154558	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.02066134	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.24135287	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2041.00	122.839
5.0	5047.00	8284.382
10.0	10440.00	12635.271
25.0	20127.00	19905.415
50.0	29363.00	27983.073
75.0	37034.00	36060.730
90.0	43223.00	43330.874
95.0	46441.00	47681.763
99.0	48725.00	55843.306

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	287	10479.00	26253.00	32481.98	31918.00	38757.00	49715.00
P2	406	308.80	16509.00	25829.19	26756.50	36486.00	47160.00
P3	389	625.00	18479.00	26536.23	28678.00	35041.00	49183.00
P4	73	4287.00	23760.00	29984.59	32155.00	39902.00	43414.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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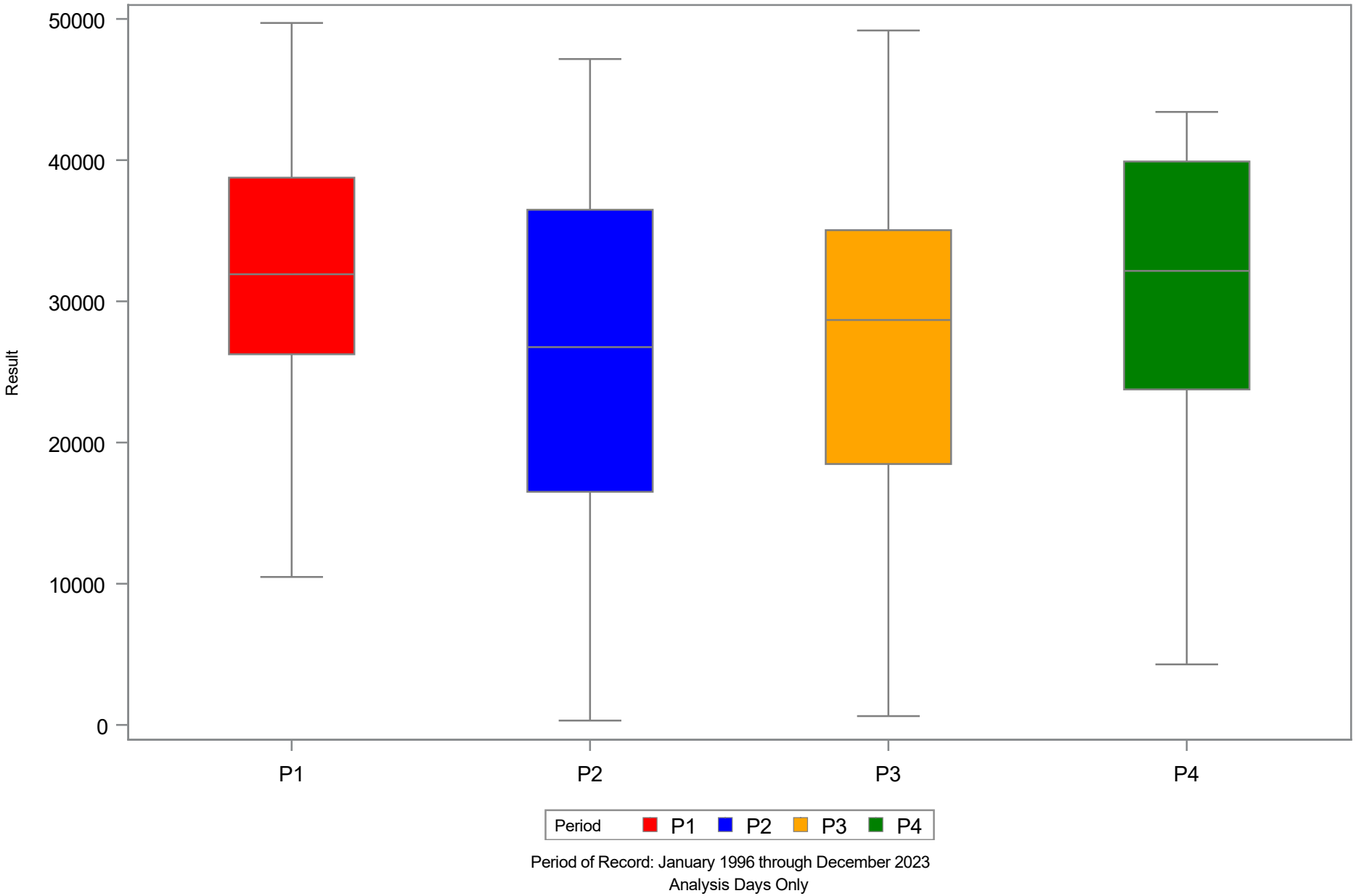
Boxplot by MFL Period for Midwater Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

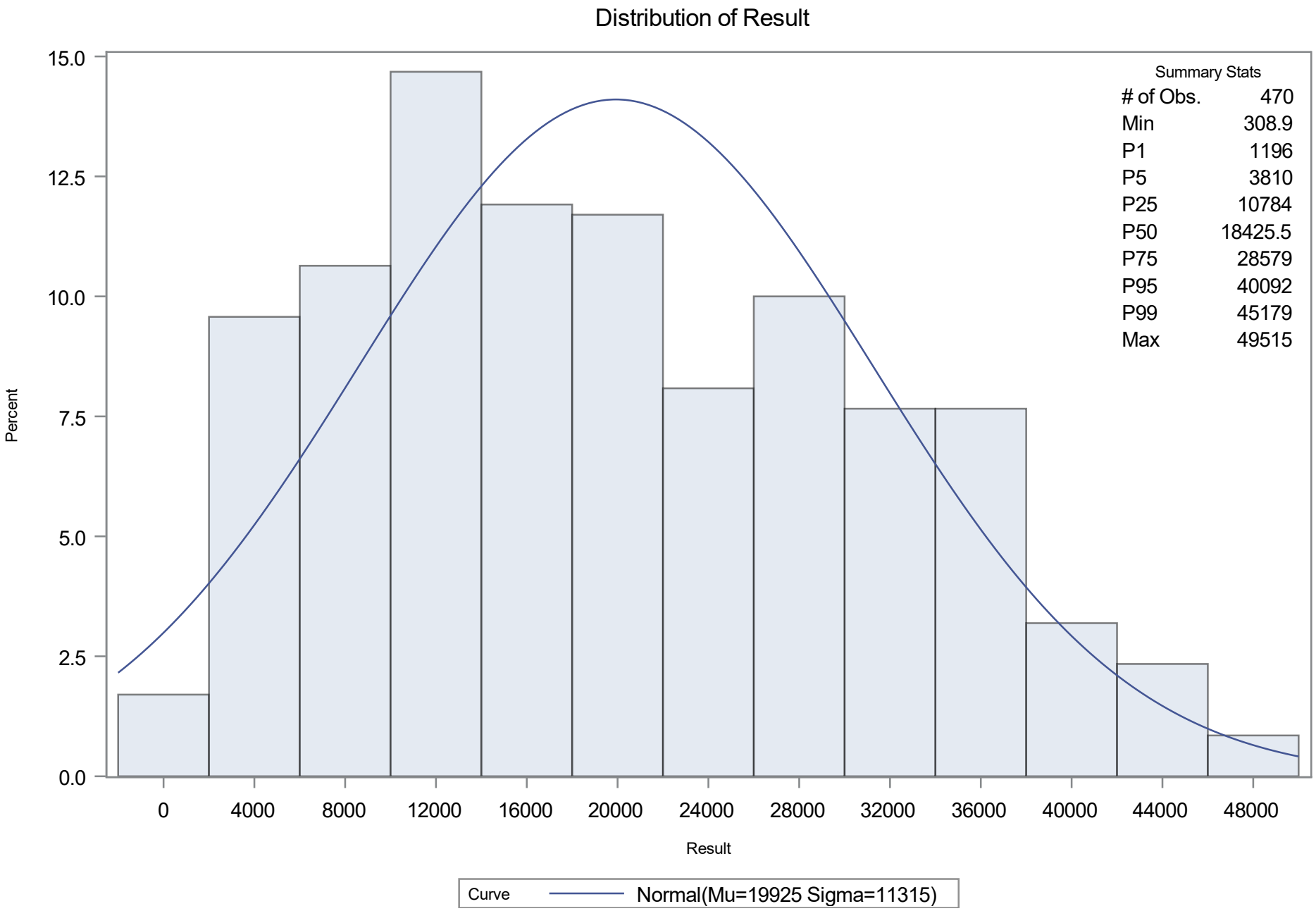
DRAFT

Timeseries of Surface Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	19925.37
Std Dev	Sigma	11314.78

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07567357	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.66084057	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.19950116	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1196.00	-6396.75
5.0	3810.00	1314.21
10.0	5452.00	5424.89
25.0	10784.00	12293.66
50.0	18425.50	19925.37
75.0	28579.00	27557.07
90.0	36339.00	34425.84
95.0	40092.00	38536.53
99.0	45179.00	46247.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	95	8155.00	16739.00	26308.77	26799.00	35607.00	49515.00
P2	203	308.90	8829.00	18324.45	16320.00	26461.00	46217.00
P3	143	526.00	9756.00	17955.65	17128.00	25373.00	47878.00
P4	29	3831.00	10543.00	19933.38	18654.00	30492.00	40958.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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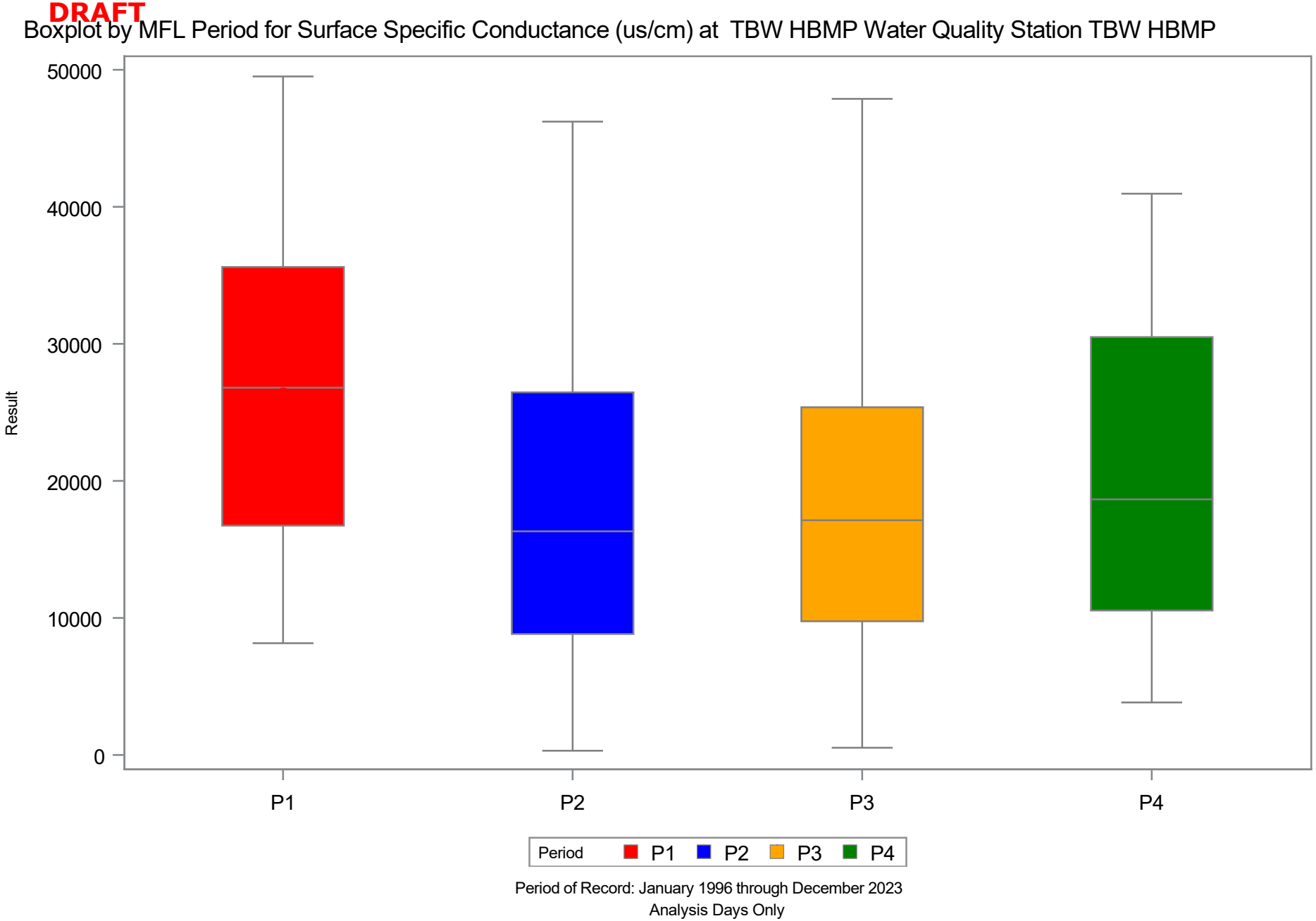
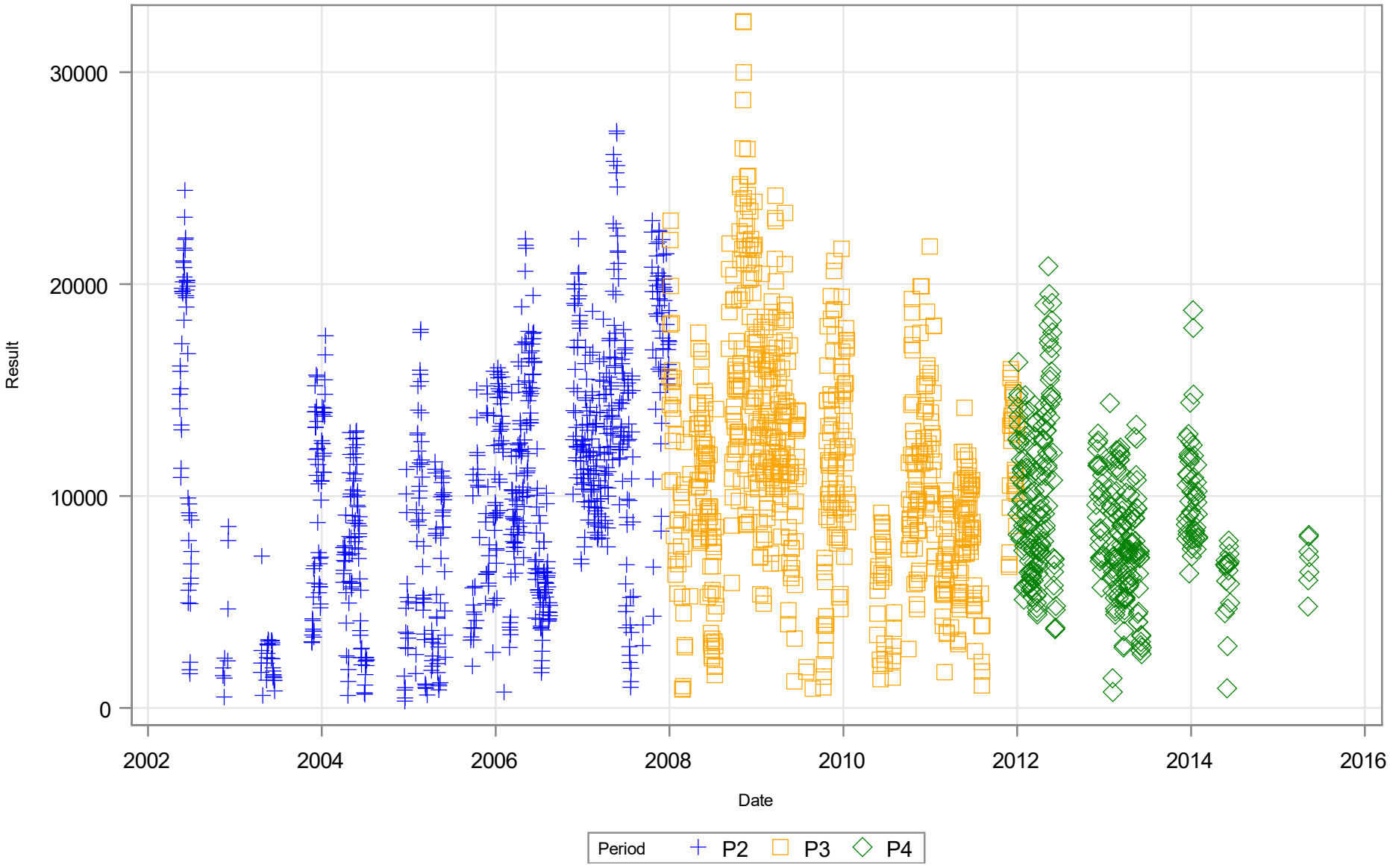

Boxplot by MFL Period for Surface Specific Conductance (us/cm) at TBW HBMP Water Quality Station TBW HBMP
Result
50000
40000
30000
20000
10000
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

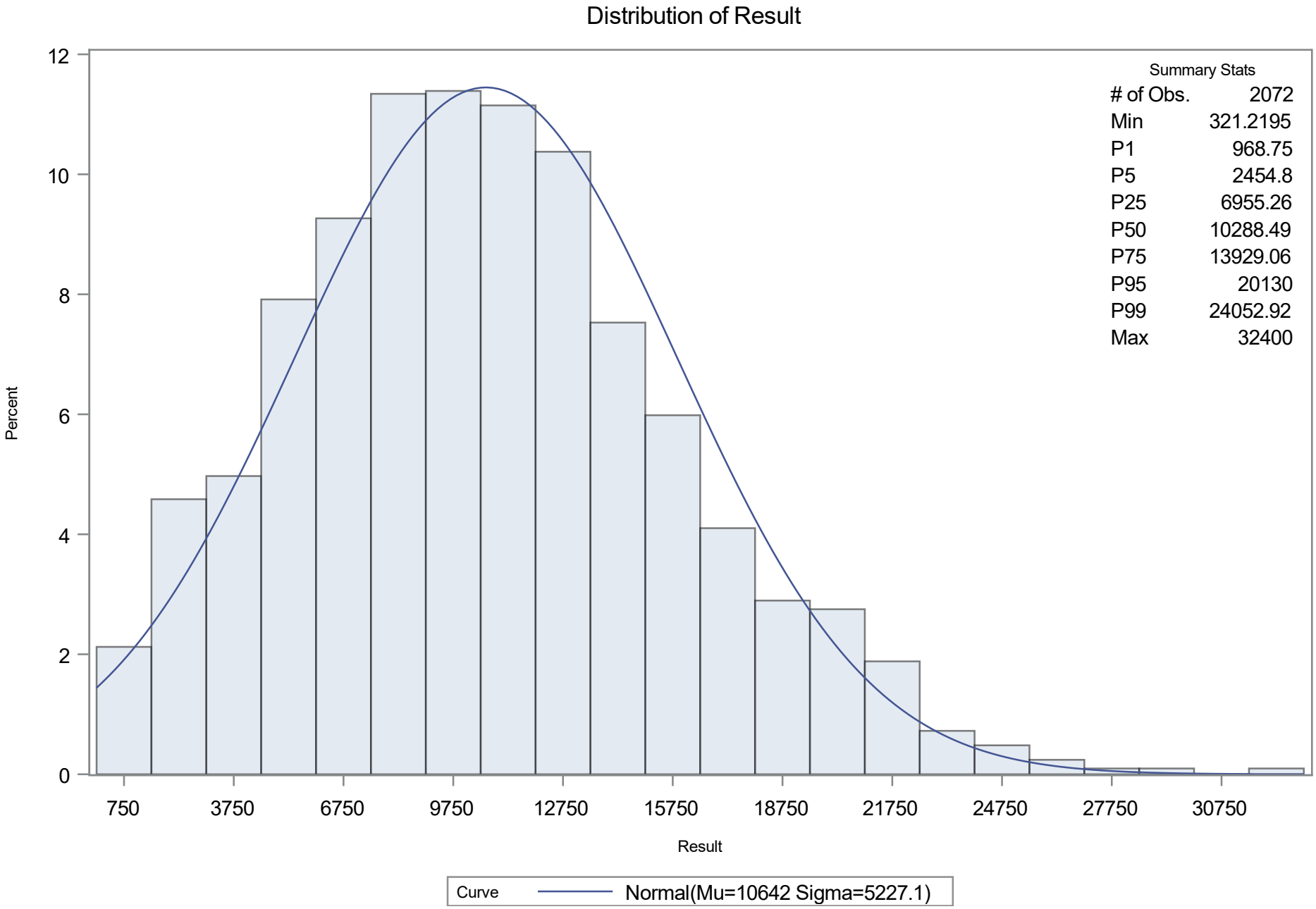
Timeseries of Bottom Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10642.46
Std Dev	Sigma	5227.078

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03079215	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.71392178	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.17098855	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	968.750	-1517.54
5.0	2454.800	2044.68
10.0	3890.000	3943.69
25.0	6955.260	7116.85
50.0	10288.490	10642.46
75.0	13929.063	14168.07
90.0	17672.292	17341.23
95.0	20130.000	19240.24
99.0	24052.917	22802.47

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

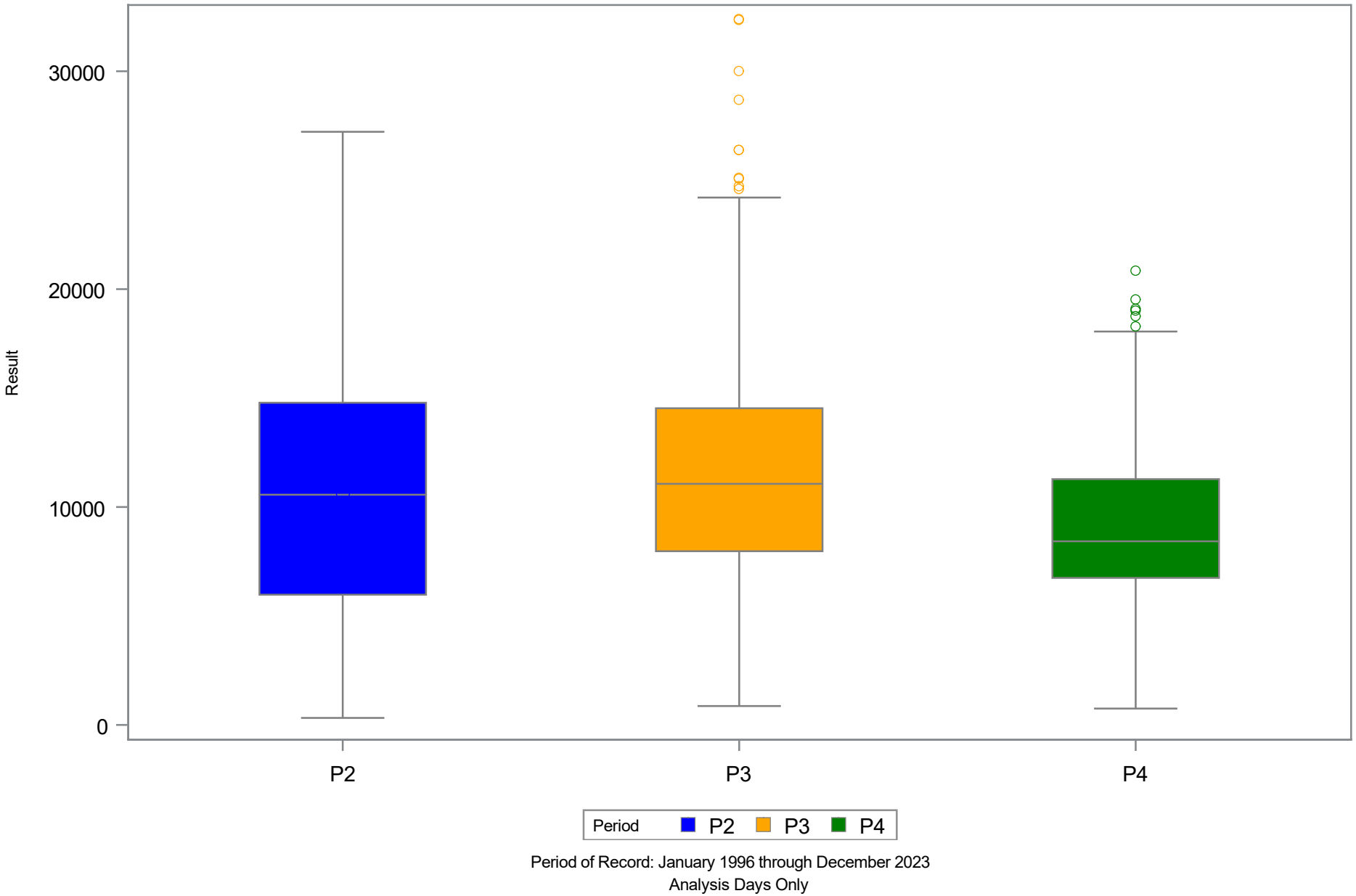
Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	910	321.22	5976.17	10637.15	10564.70	14786.15	27220.83
P3	767	866.78	7972.29	11495.44	11065.19	14531.67	32400.00
P4	395	751.21	6748.14	8998.40	8426.67	11279.17	20843.00

Period of Record: January 1996 through December 2023
Analysis Days Only

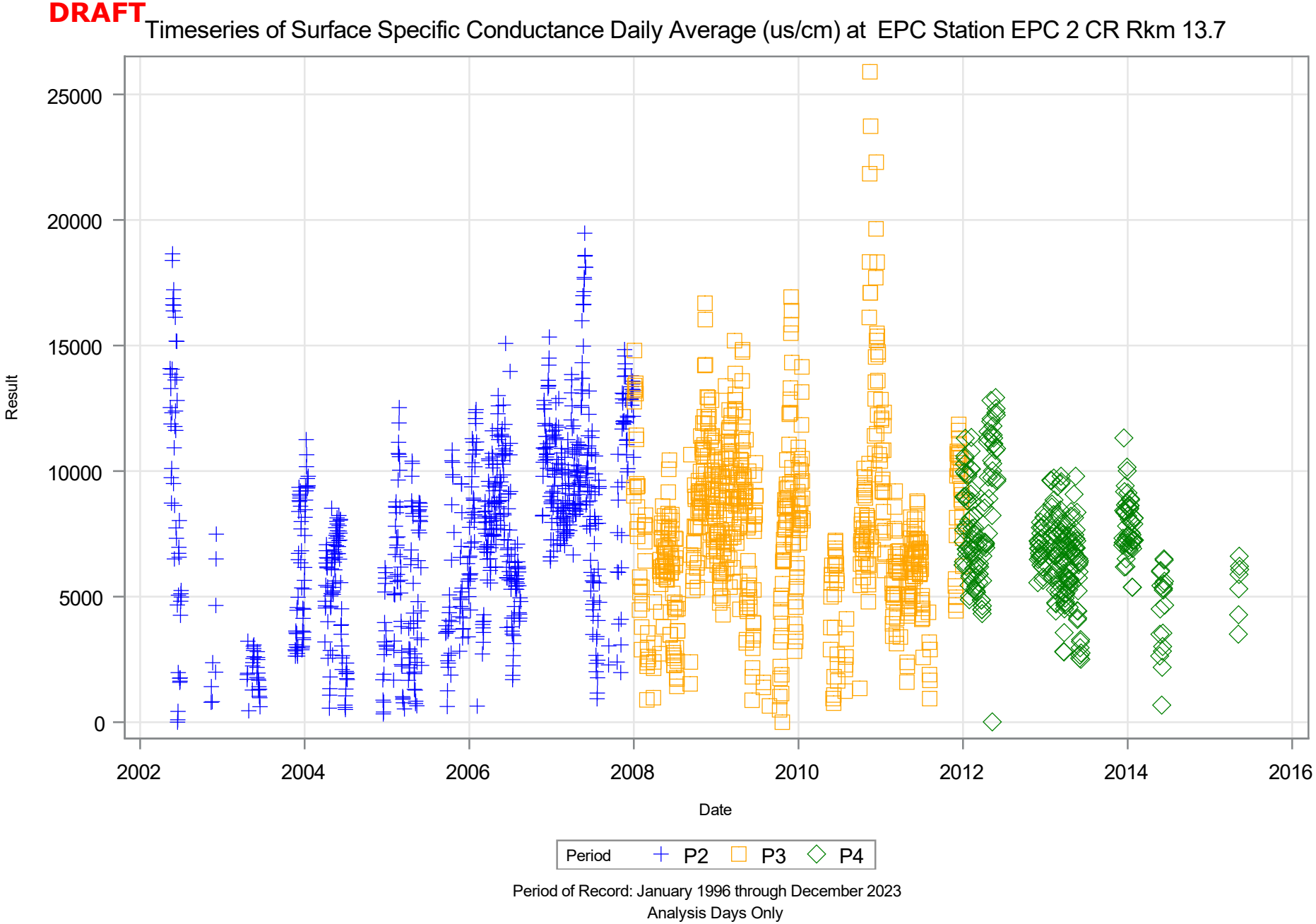
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7



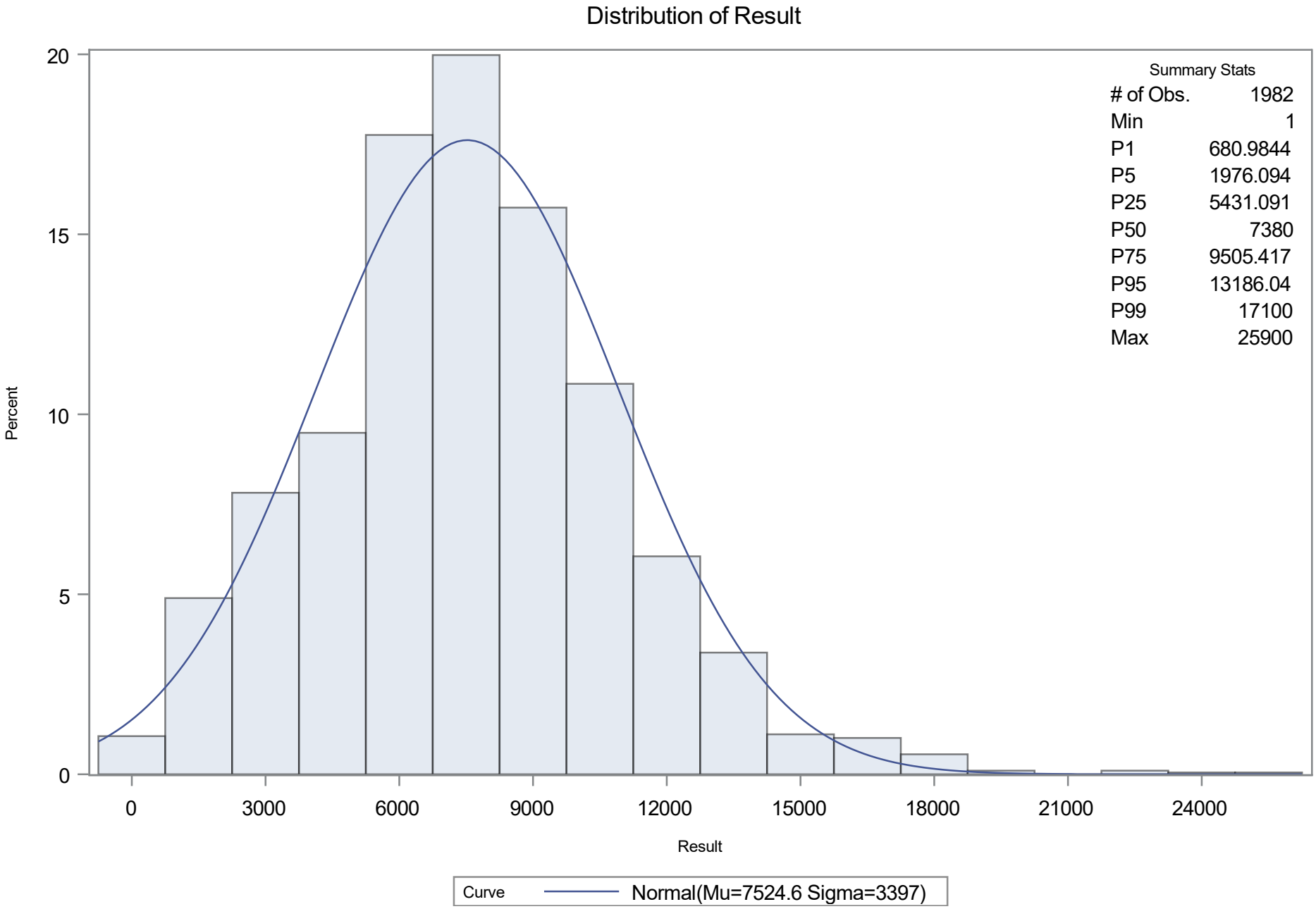
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7
Result
25000
20000
15000
10000
5000
0
2002
2004
2006
2008
2010
2012
2014
2016
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7524.604
Std Dev	Sigma	3396.99

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03467187	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.58056049	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.96013421	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	680.984	-377.976
5.0	1976.094	1937.053
10.0	2955.056	3171.187
25.0	5431.091	5233.369
50.0	7380.000	7524.604
75.0	9505.417	9815.839
90.0	11726.354	11878.022
95.0	13186.042	13112.155
99.0	17100.000	15427.184

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

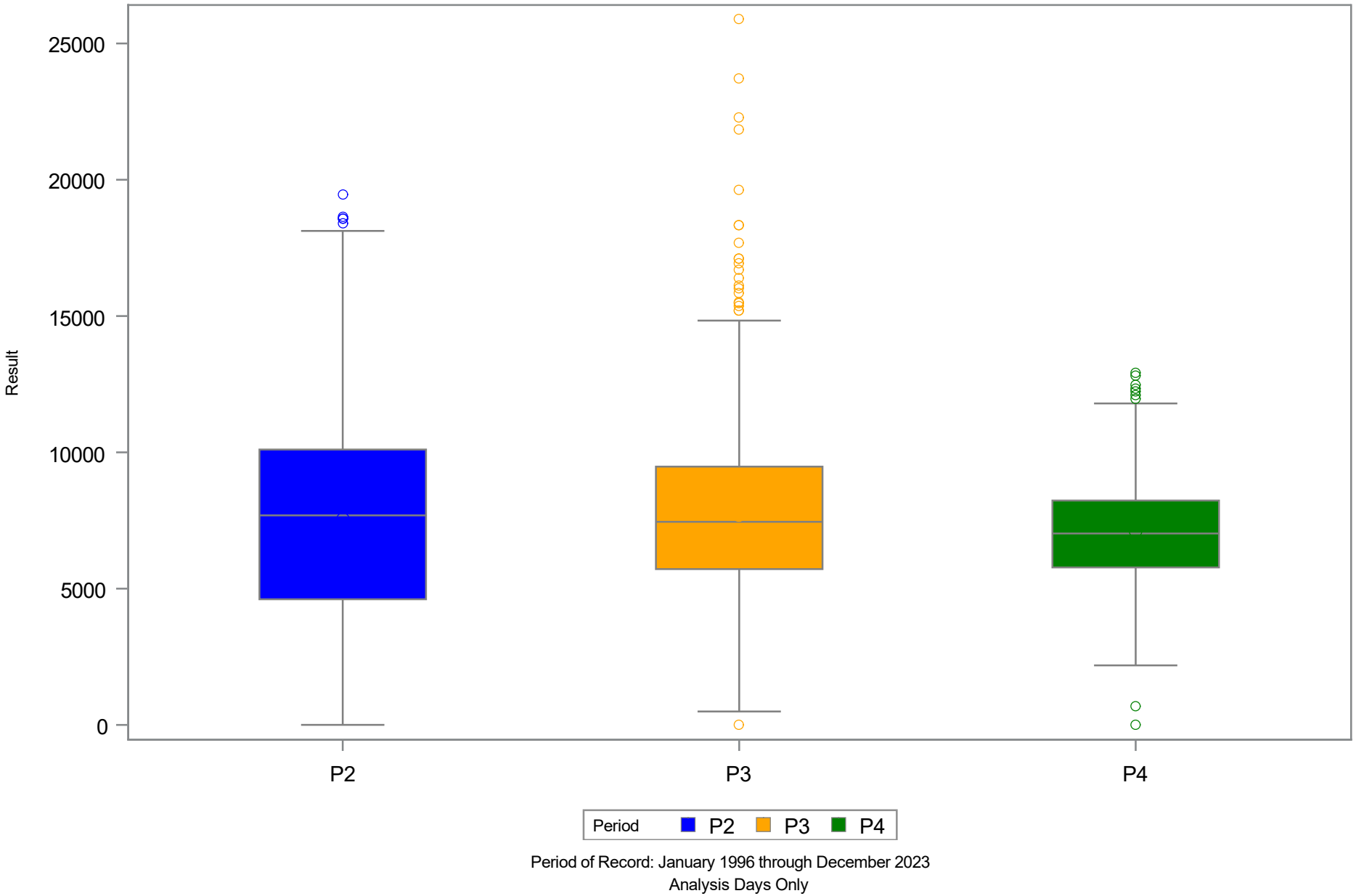
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	895	2.00	4609.79	7534.19	7687.45	10102.58	19473.24
P3	741	1.00	5717.50	7705.66	7451.25	9475.79	25900.00
P4	346	12.33	5778.42	7112.04	7022.85	8232.13	12926.75

Period of Record: January 1996 through December 2023
Analysis Days Only

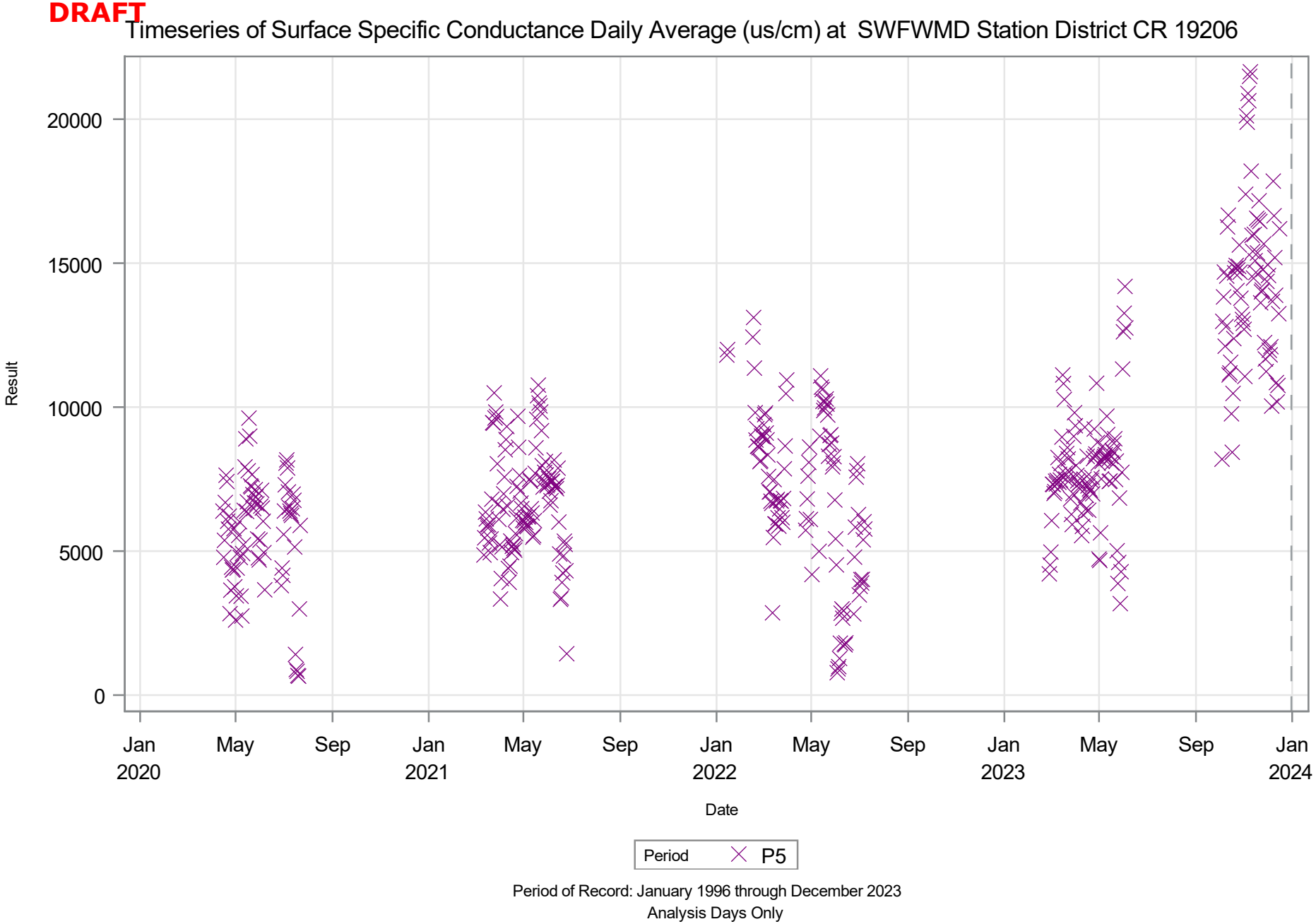
DRAFT

Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at EPC Station EPC 2 CR Rkm 13.7



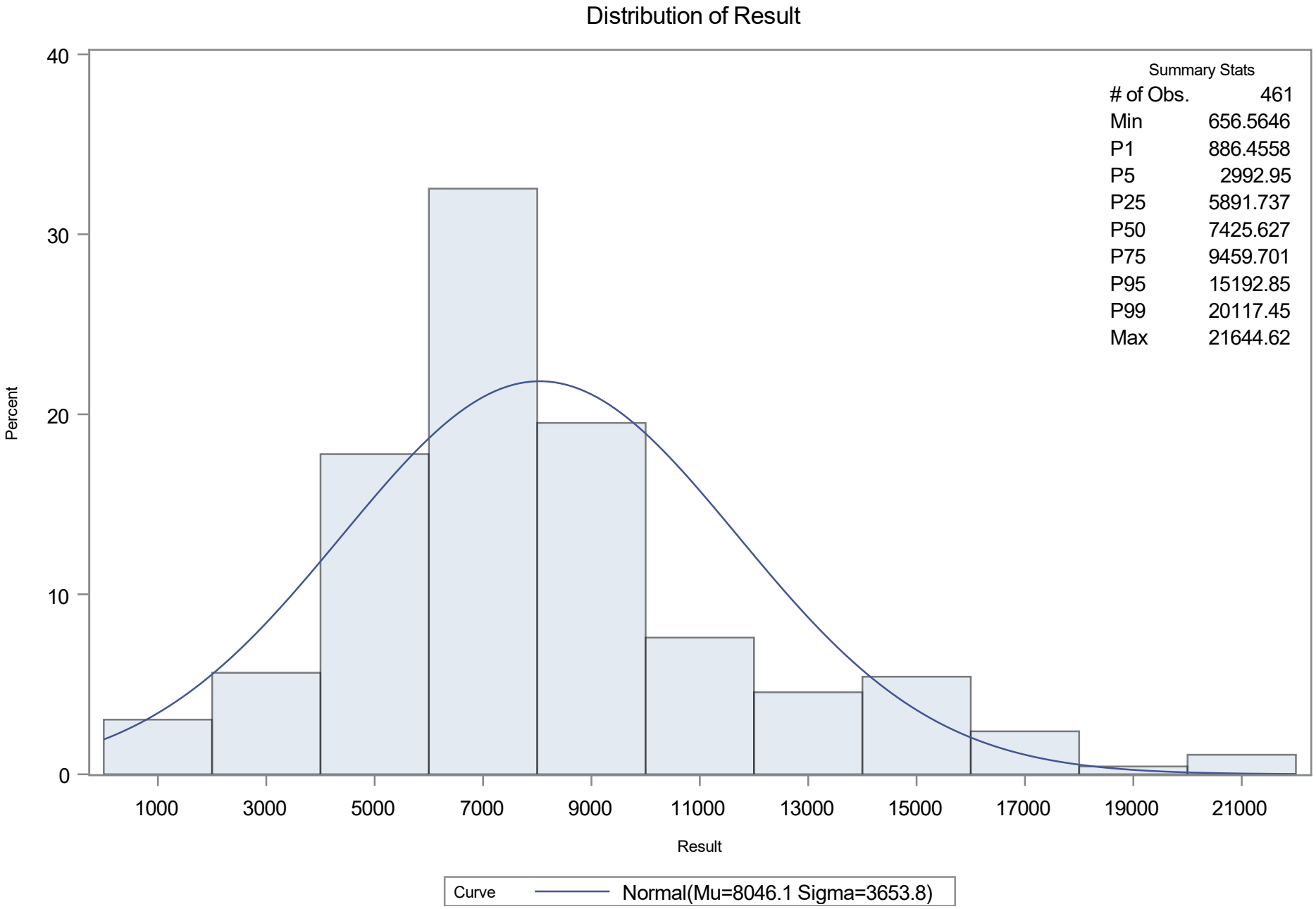
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance Daily Average (us/cm) at SWFWMD Station District CR 19206
Result
20000
15000
10000
5000
0
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at SWFWMD Station District CR 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at SWFWMD Station District CR 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8046.148
Std Dev	Sigma	3653.787

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12364242	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.82365608	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.84807547	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	886.456	-453.832
5.0	2992.950	2036.203
10.0	4240.564	3363.632
25.0	5891.737	5581.706
50.0	7425.627	8046.148
75.0	9459.701	10510.590
90.0	13671.918	12728.665
95.0	15192.851	14056.094
99.0	20117.453	16546.128

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at SWFWMD Station District CR 19206

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	461	656.56	5891.74	8046.15	7425.63	9459.70	21644.62

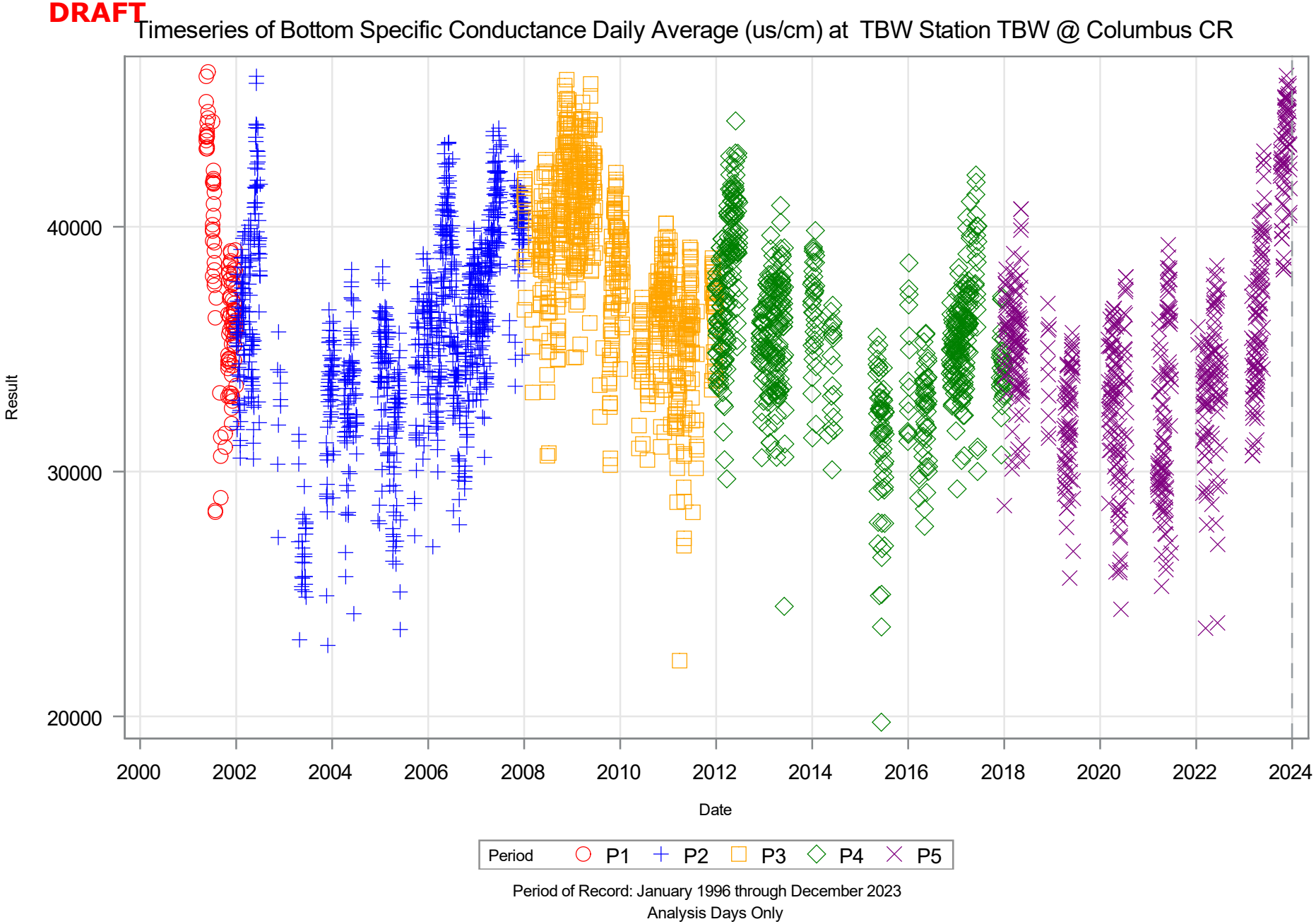
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at SWFWMD Station District CR 19206

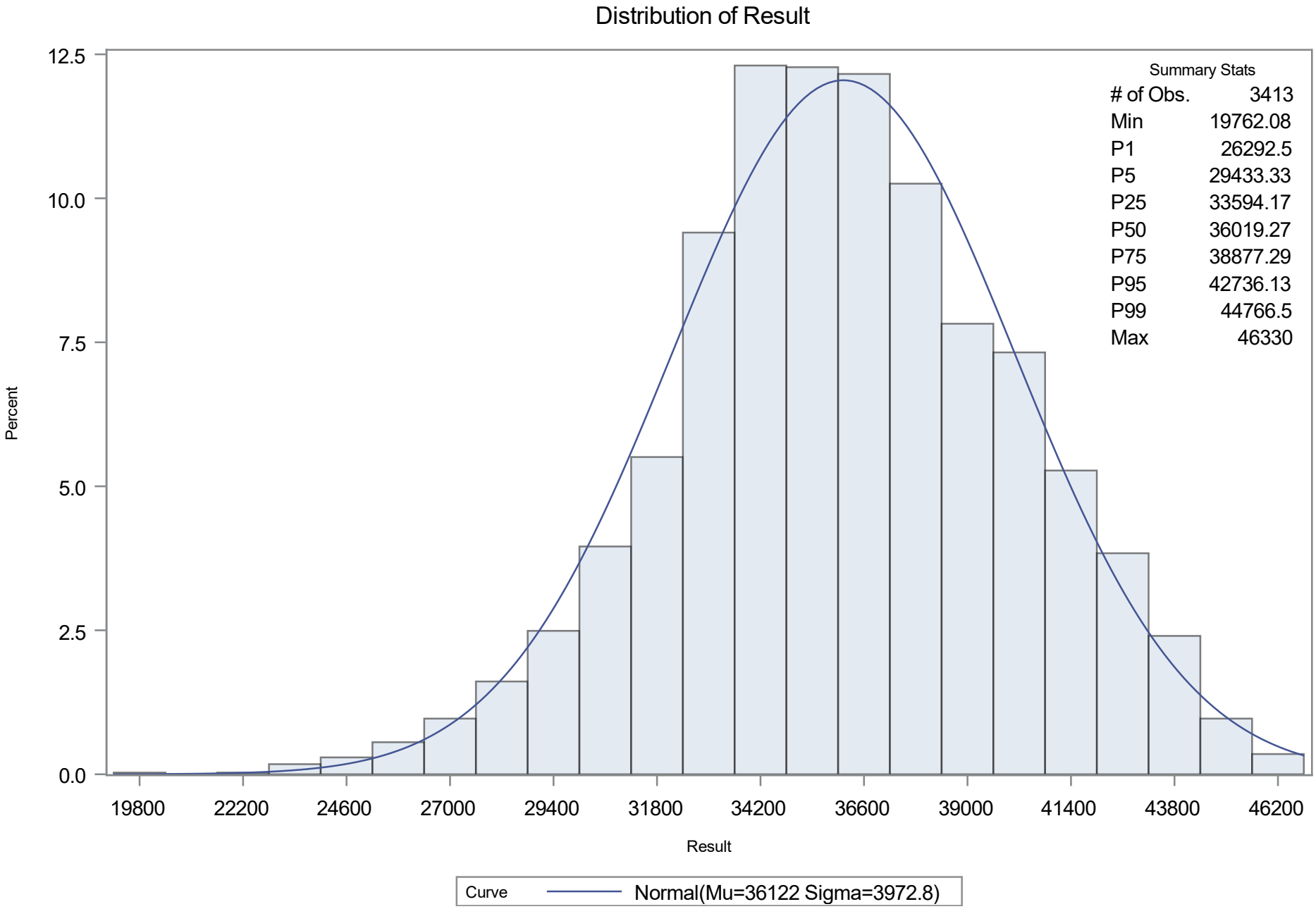
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR
Result
40000
30000
20000
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	36121.67
Std Dev	Sigma	3972.832

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02198819	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.30620301	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.11800693	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	26292.5	26879.5
5.0	29433.3	29586.9
10.0	31170.6	31030.3
25.0	33594.2	33442.0
50.0	36019.3	36121.7
75.0	38877.3	38801.3
90.0	41430.6	41213.1
95.0	42736.1	42656.4
99.0	44766.5	45363.9

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

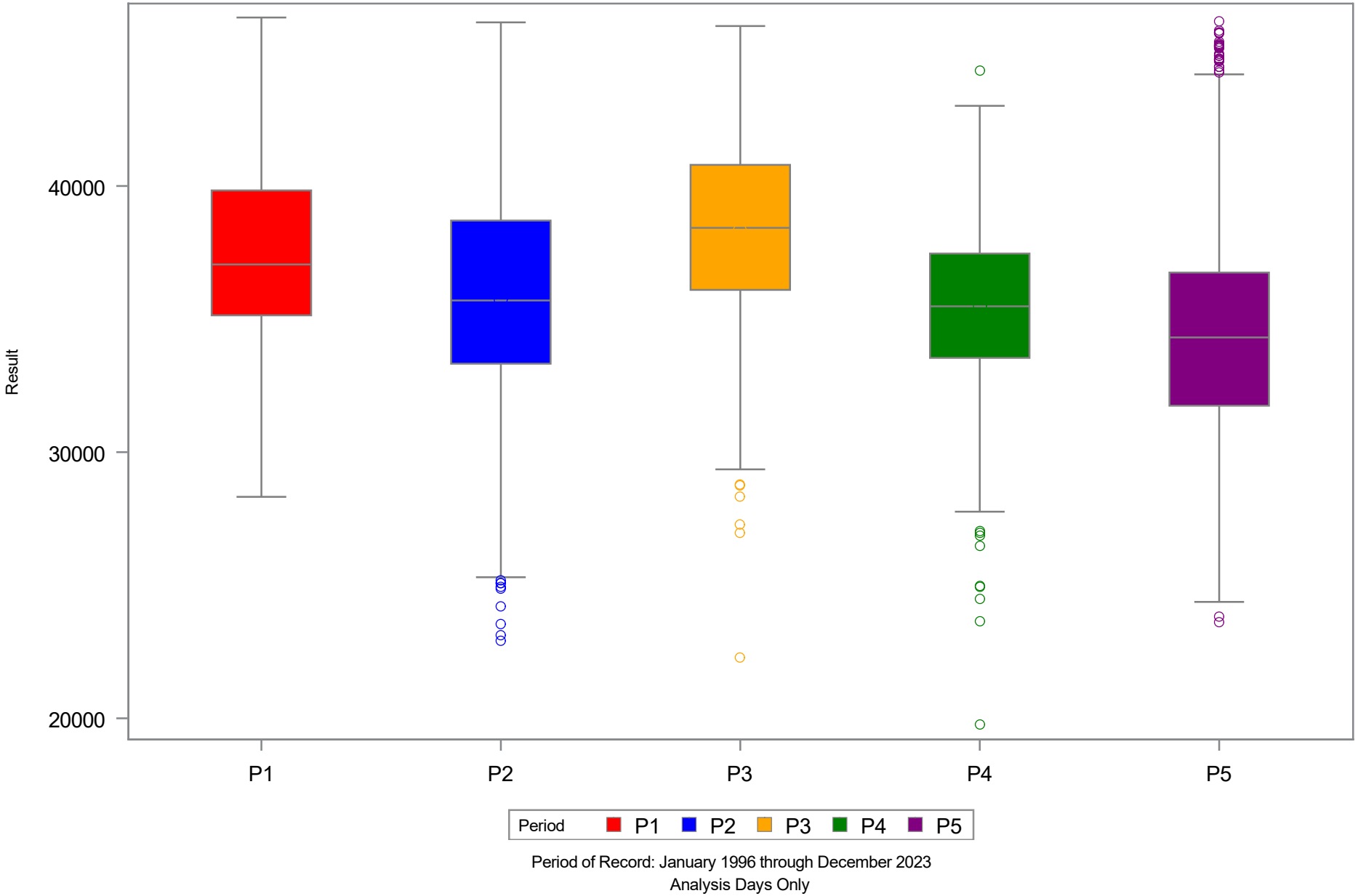
Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	111	28321.46	35140.31	37506.31	37051.67	39834.06	46330.00
P2	1110	22900.31	33323.85	35752.32	35698.70	38700.31	46146.77
P3	780	22274.79	36096.09	38323.43	38427.19	40793.91	46009.58
P4	721	19762.08	33542.19	35489.96	35478.65	37462.29	44323.85
P5	691	23601.98	31746.35	34666.35	34310.31	36747.92	46177.24

Period of Record: January 1996 through December 2023
Analysis Days Only

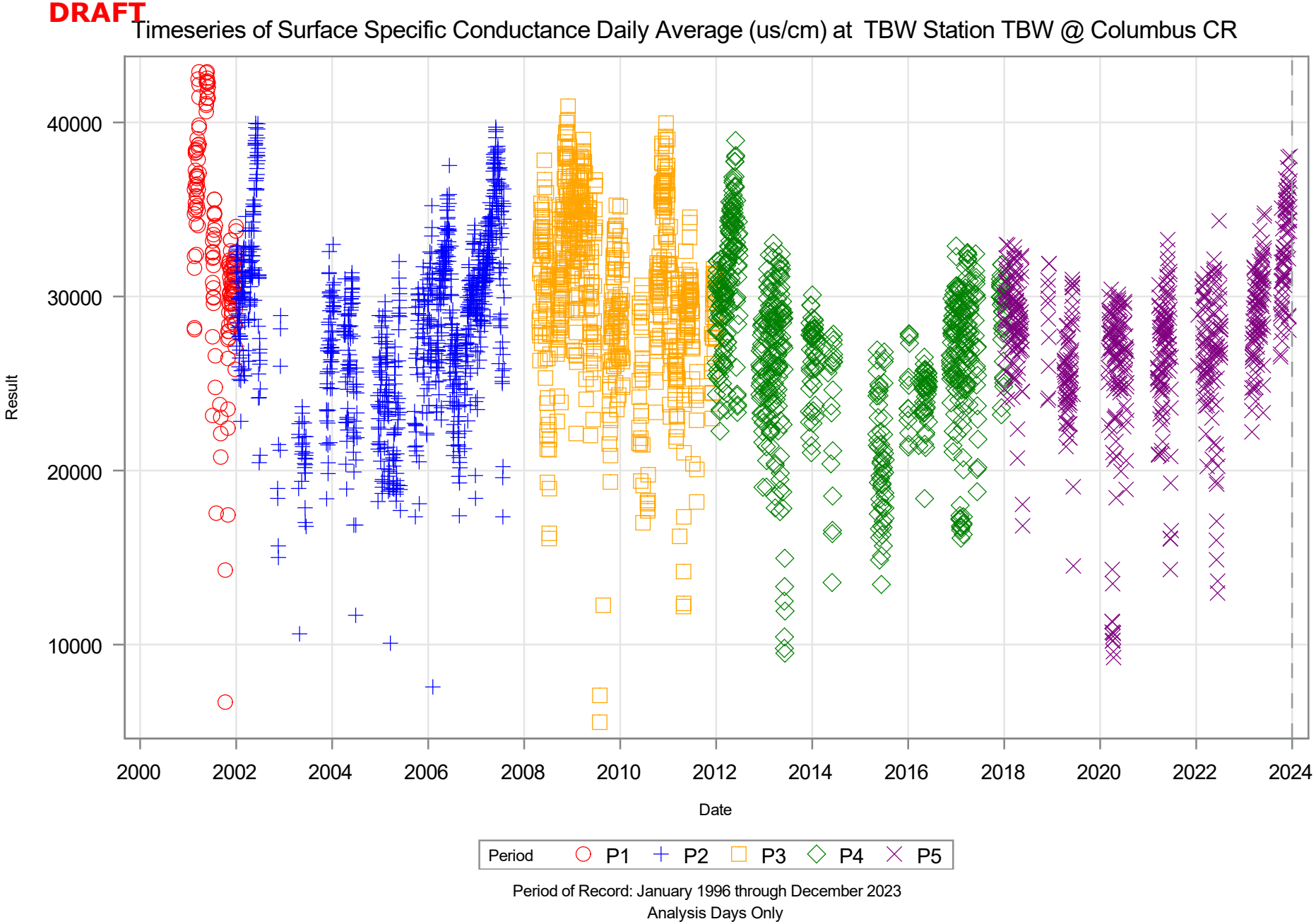
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR



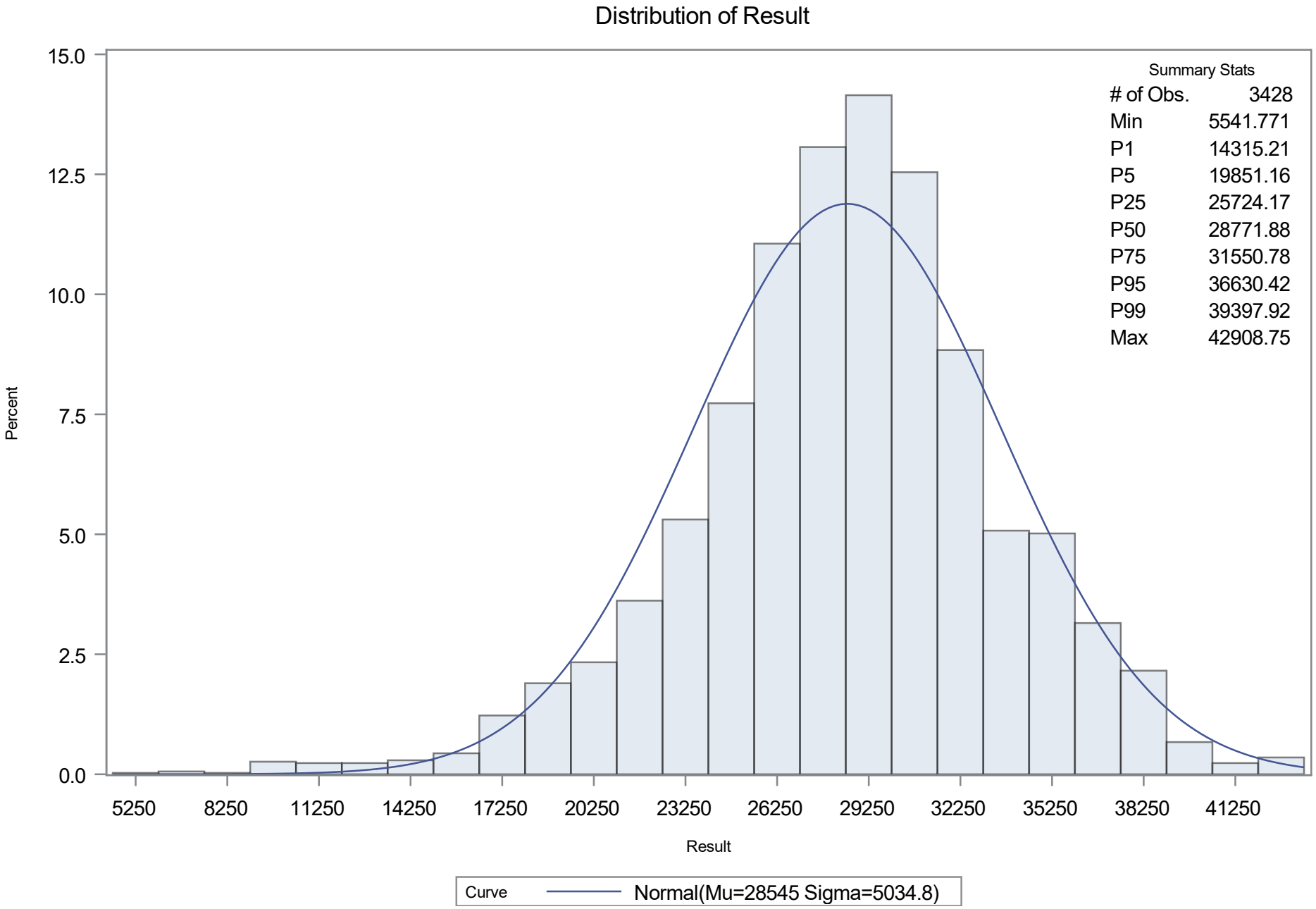
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR
Result
40000
30000
20000
10000
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	28545.33
Std Dev	Sigma	5034.754

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03819995	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.53522129	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.97065246	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14315.2	16832.7
5.0	19851.2	20263.9
10.0	22238.3	22093.0
25.0	25724.2	25149.4
50.0	28771.9	28545.3
75.0	31550.8	31941.2
90.0	34954.4	34997.6
95.0	36630.4	36826.8
99.0	39397.9	40257.9

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

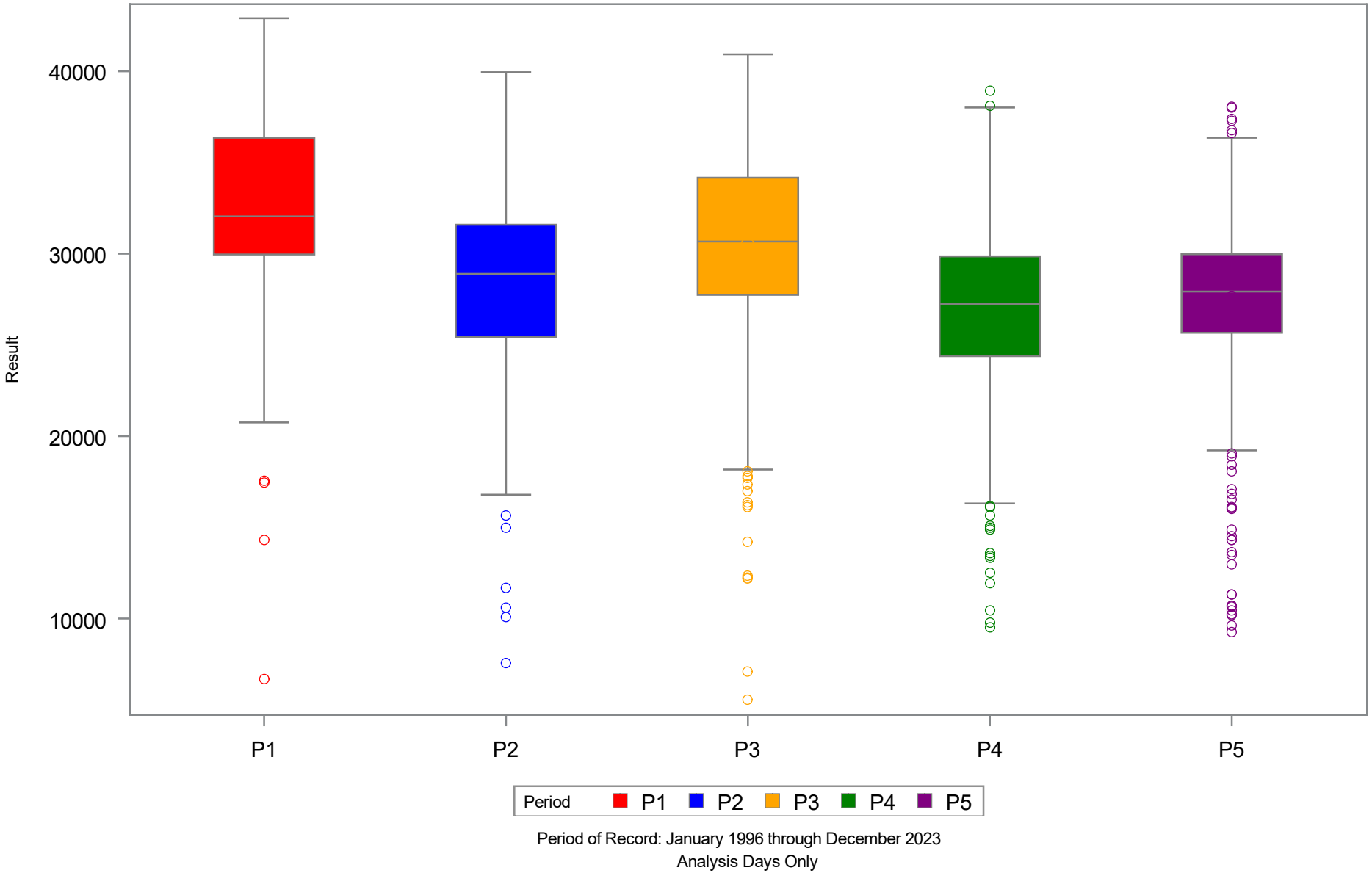
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	152	6683.54	29958.23	32659.58	32047.45	36357.66	42908.75
P2	1066	7567.08	25422.29	28432.01	28895.63	31590.42	39950.00
P3	767	5541.77	27746.67	30498.89	30669.38	34167.19	40930.42
P4	747	9505.42	24388.95	26793.19	27251.04	29854.27	38962.19
P5	696	9253.23	25664.90	27548.05	27927.40	29971.96	38051.04

Period of Record: January 1996 through December 2023
Analysis Days Only

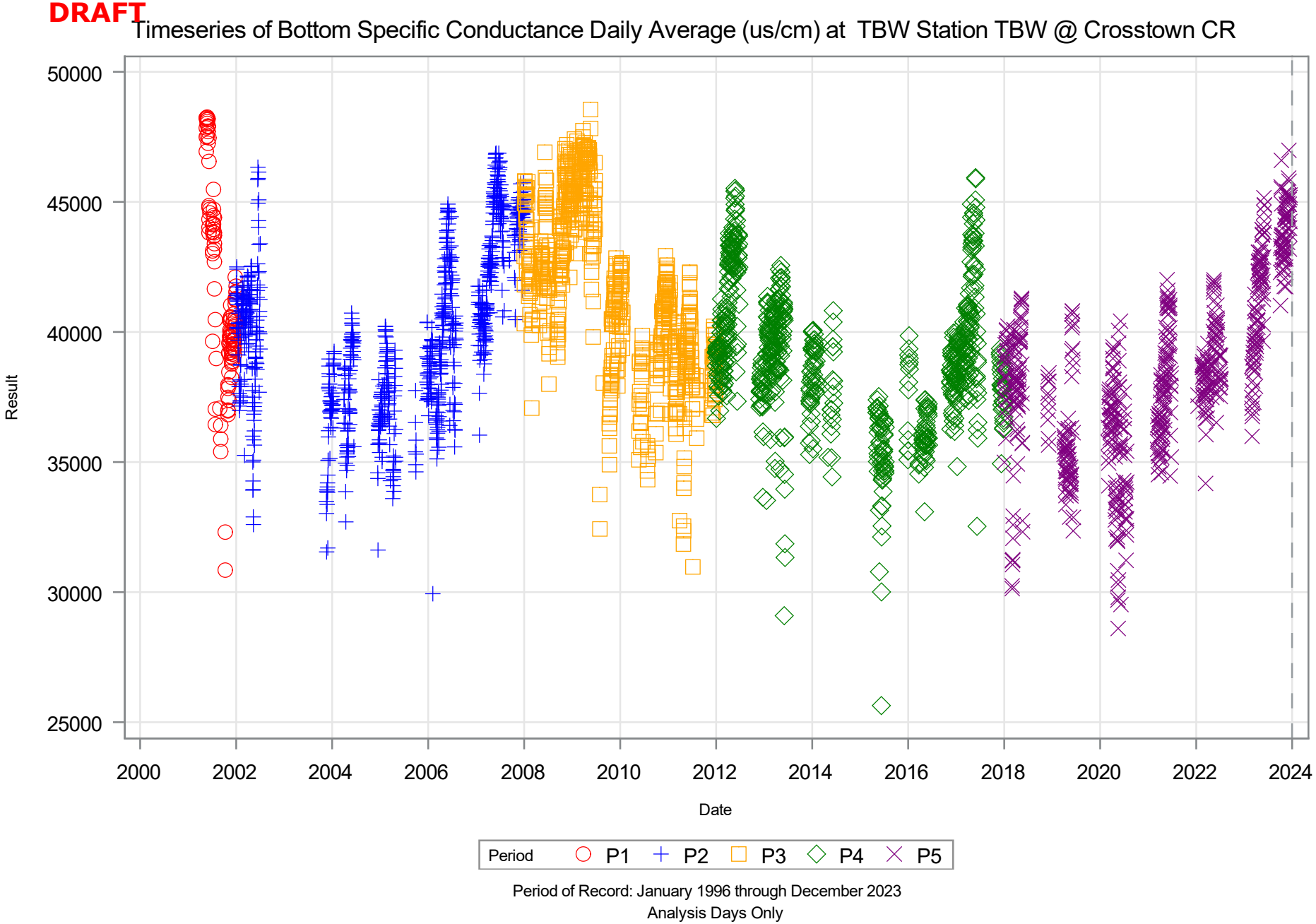
DRAFT

Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Columbus CR



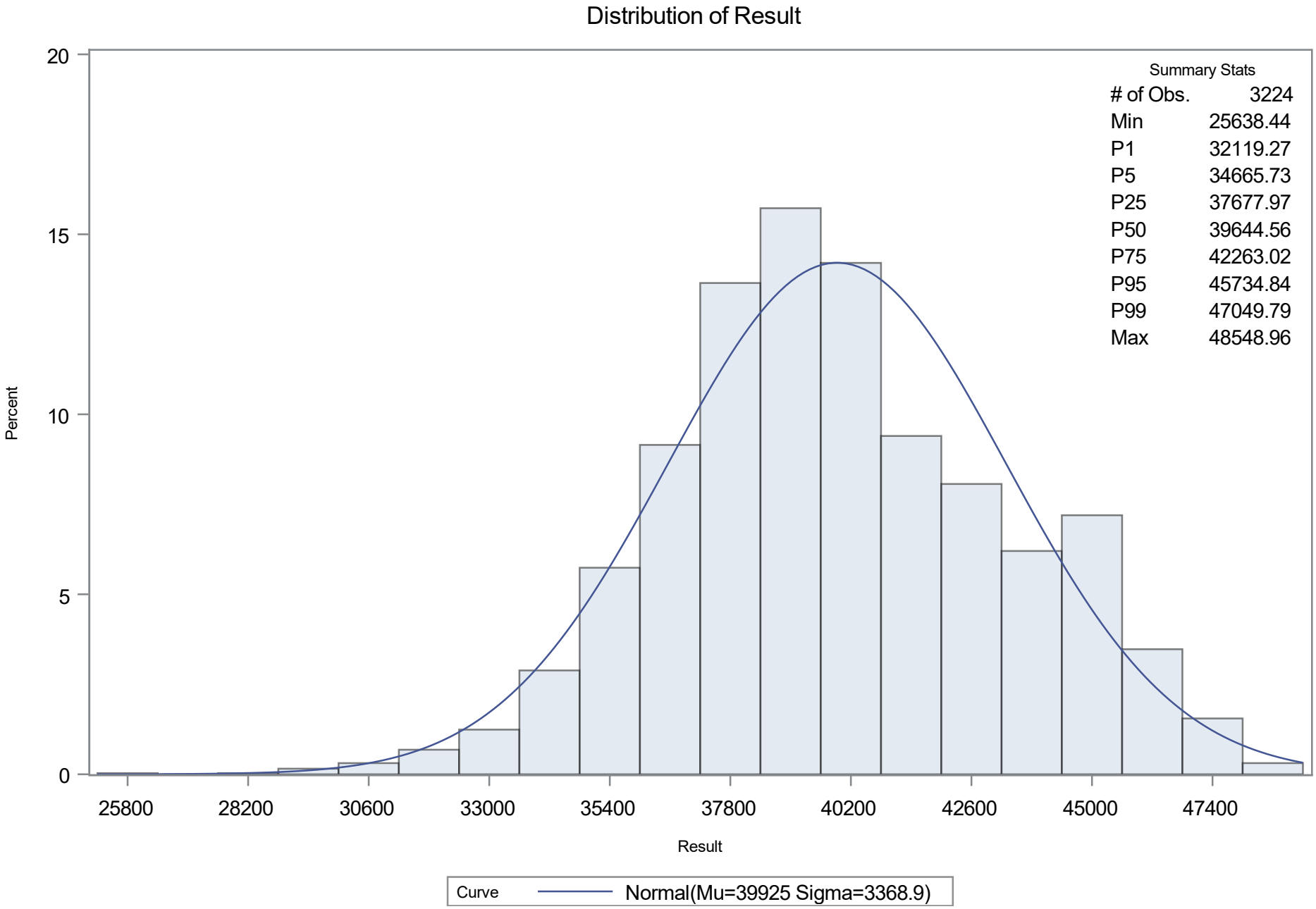
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR
Result
50000
45000
40000
35000
30000
25000
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	39924.87
Std Dev	Sigma	3368.932

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04009689	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.43373044	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.44557050	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	32119.3	32087.6
5.0	34665.7	34383.5
10.0	35828.6	35607.4
25.0	37678.0	37652.6
50.0	39644.6	39924.9
75.0	42263.0	42197.2
90.0	44772.2	44242.3
95.0	45734.8	45466.3
99.0	47049.8	47762.2

Period of Record: January 1996 through December 2023
Analysis Days Only

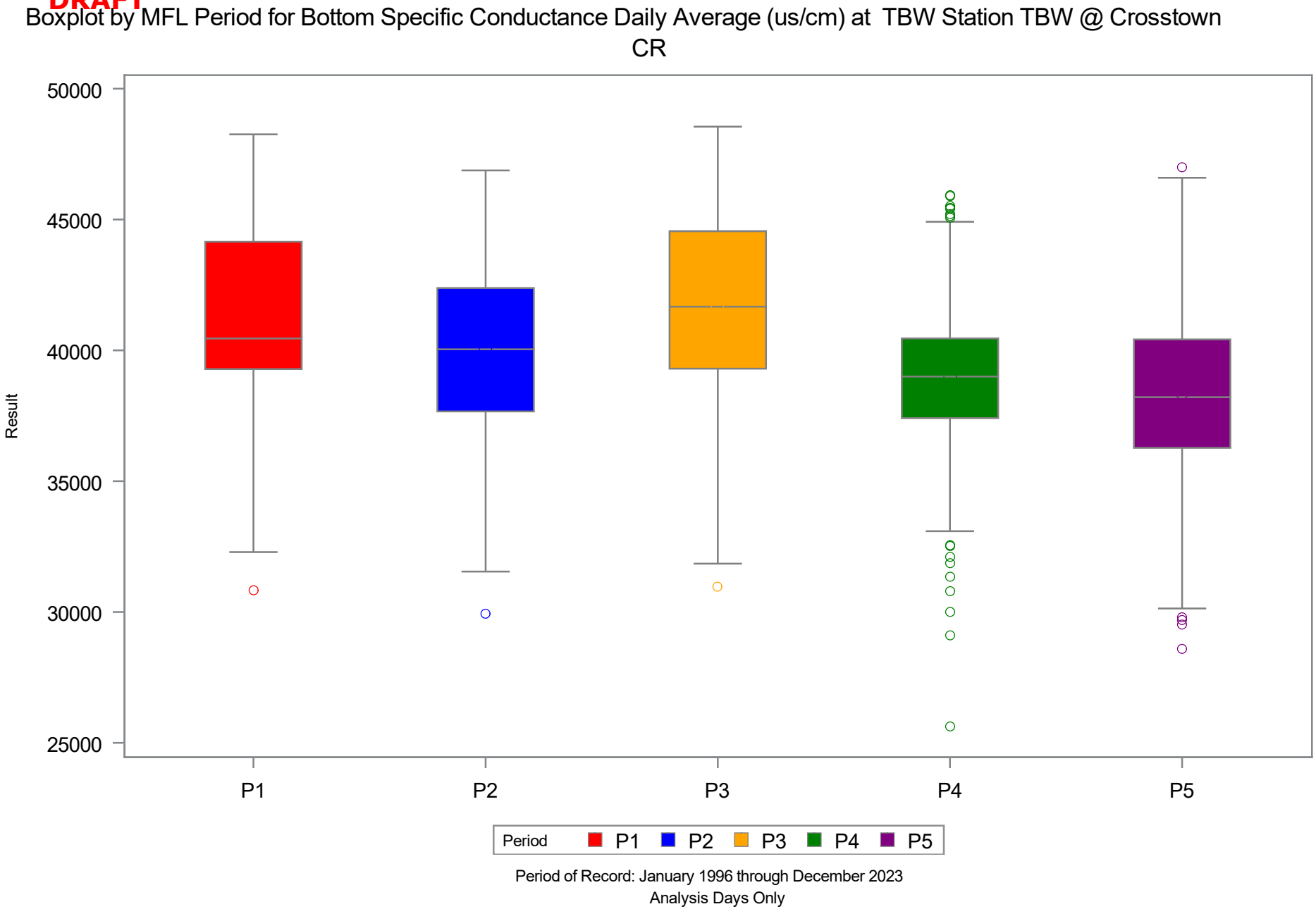
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR

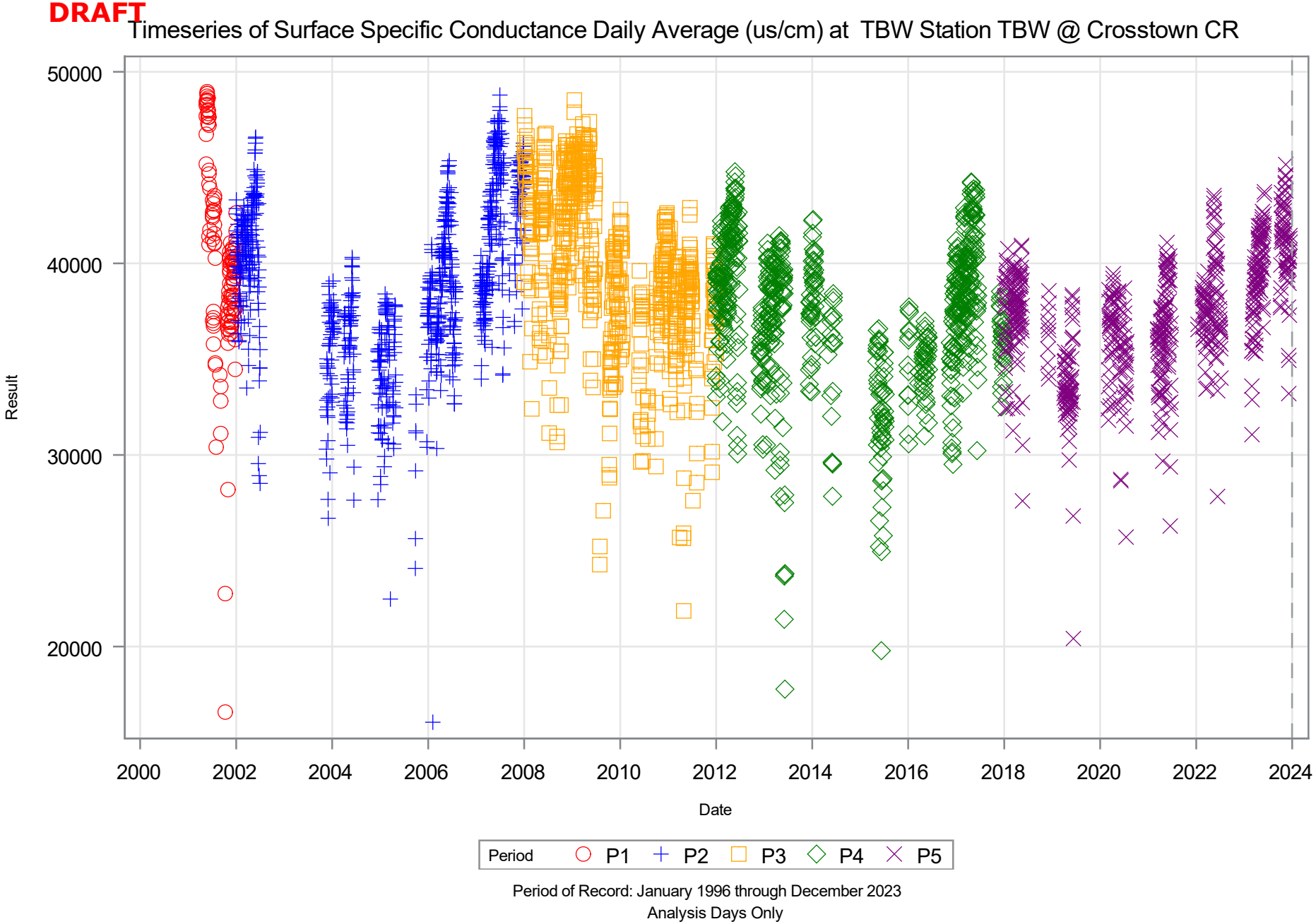
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	123	30835.63	39285.31	41647.33	40452.71	44149.90	48254.17
P2	896	29937.92	37665.89	40107.92	40040.06	42381.30	46875.10
P3	764	30967.71	39300.72	41725.74	41669.87	44552.79	48548.96
P4	753	25638.44	37410.21	38995.17	38997.81	40455.31	45934.87
P5	688	28602.29	36274.79	38396.29	38209.84	40416.88	46982.53

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

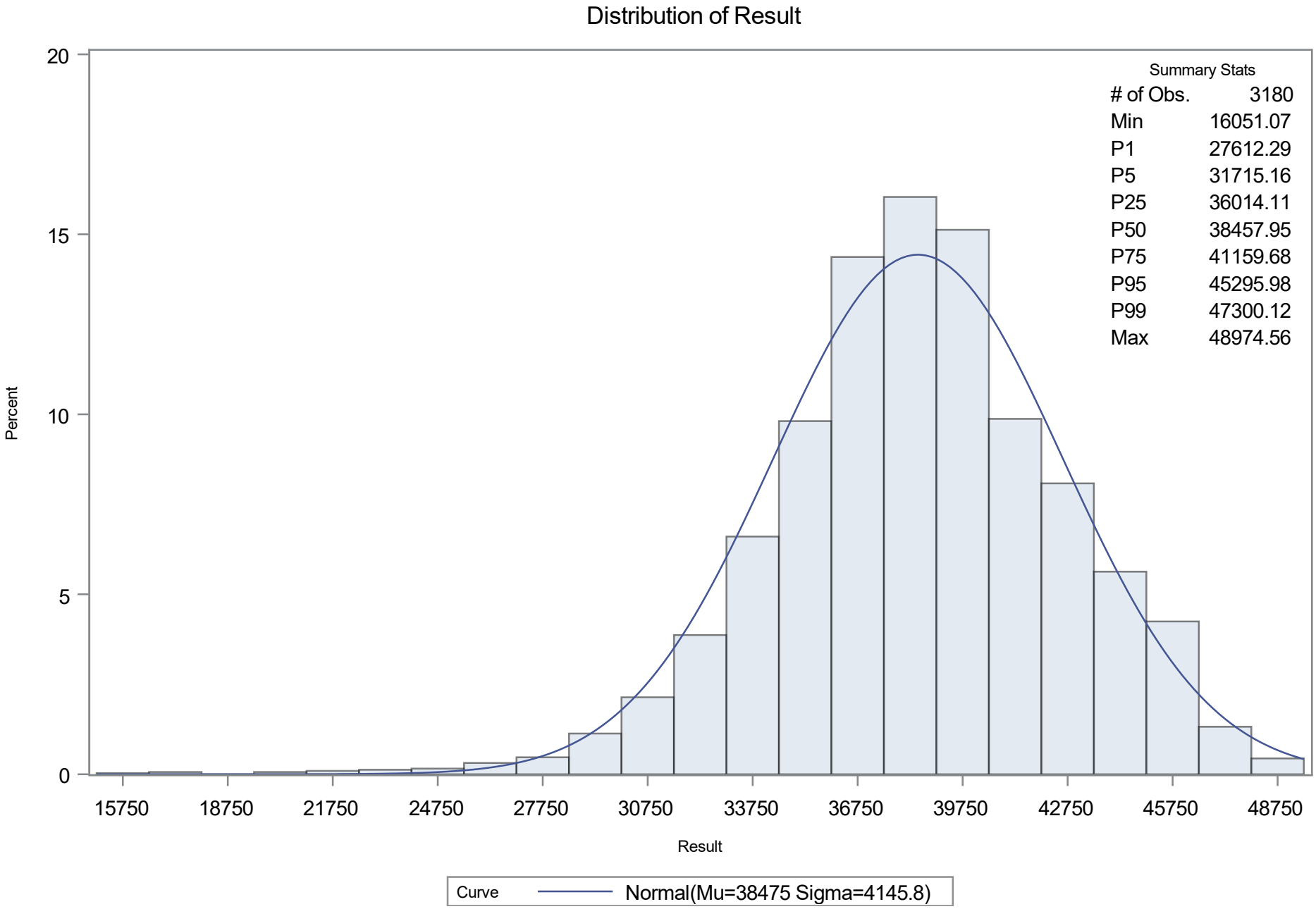

Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR
Result
50000
45000
40000
35000
30000
25000
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR
Result
50000
40000
30000
20000
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	38475.2
Std Dev	Sigma	4145.827

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02950085	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.60388476	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.98703321	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	27612.3	28830.6
5.0	31715.2	31655.9
10.0	33299.1	33162.1
25.0	36014.1	35678.9
50.0	38458.0	38475.2
75.0	41159.7	41271.5
90.0	43881.4	43788.3
95.0	45296.0	45294.5
99.0	47300.1	48119.8

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

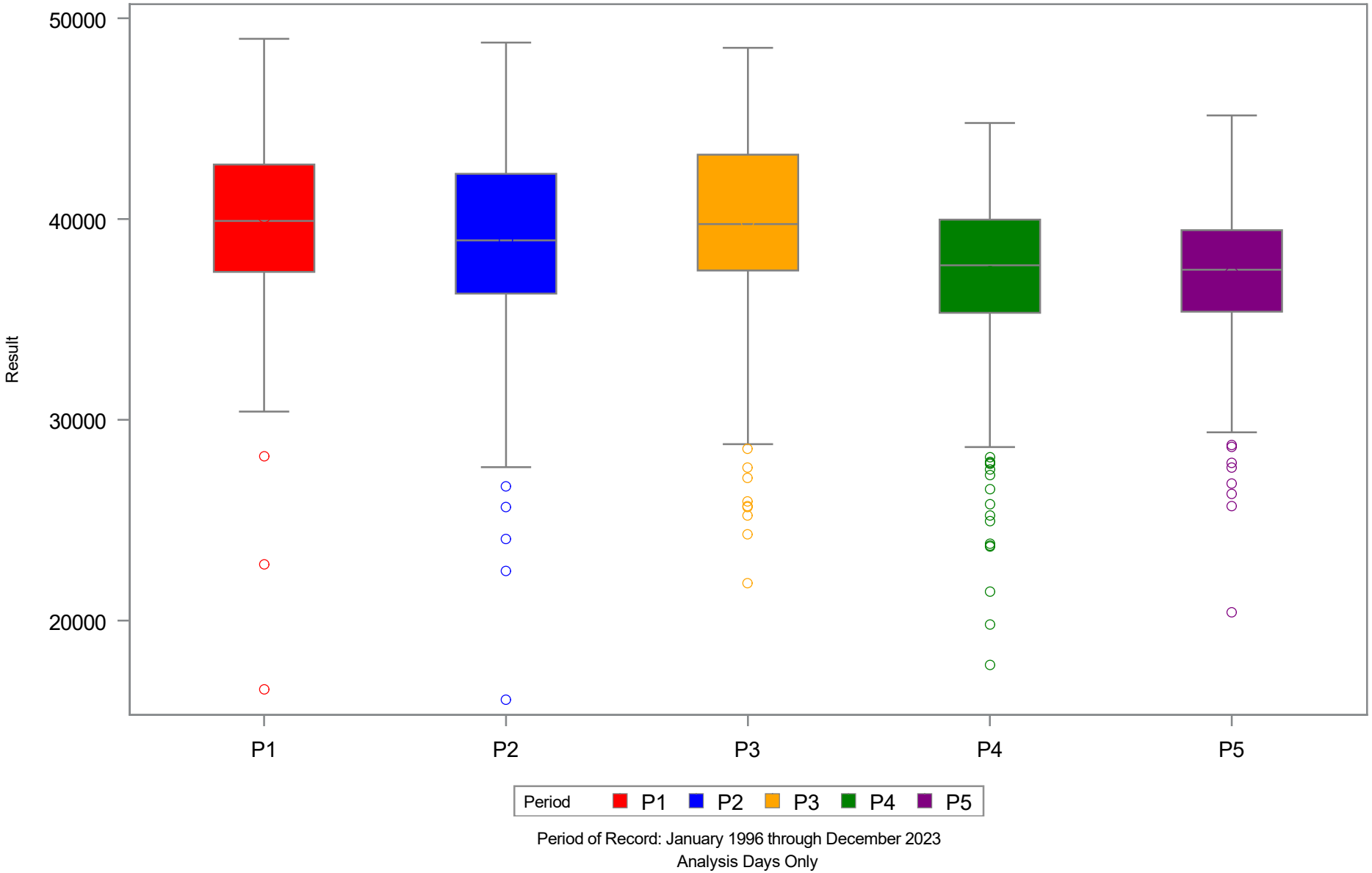
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	123	16586.98	37367.42	40176.79	39905.10	42714.84	48974.56
P2	880	16051.07	36286.43	38948.50	38936.71	42251.52	48787.47
P3	752	21860.65	37436.82	39877.65	39748.23	43204.62	48525.93
P4	762	17775.63	35329.38	37309.97	37695.14	39968.85	44782.81
P5	663	20418.23	35385.53	37279.84	37474.38	39444.23	45160.44

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

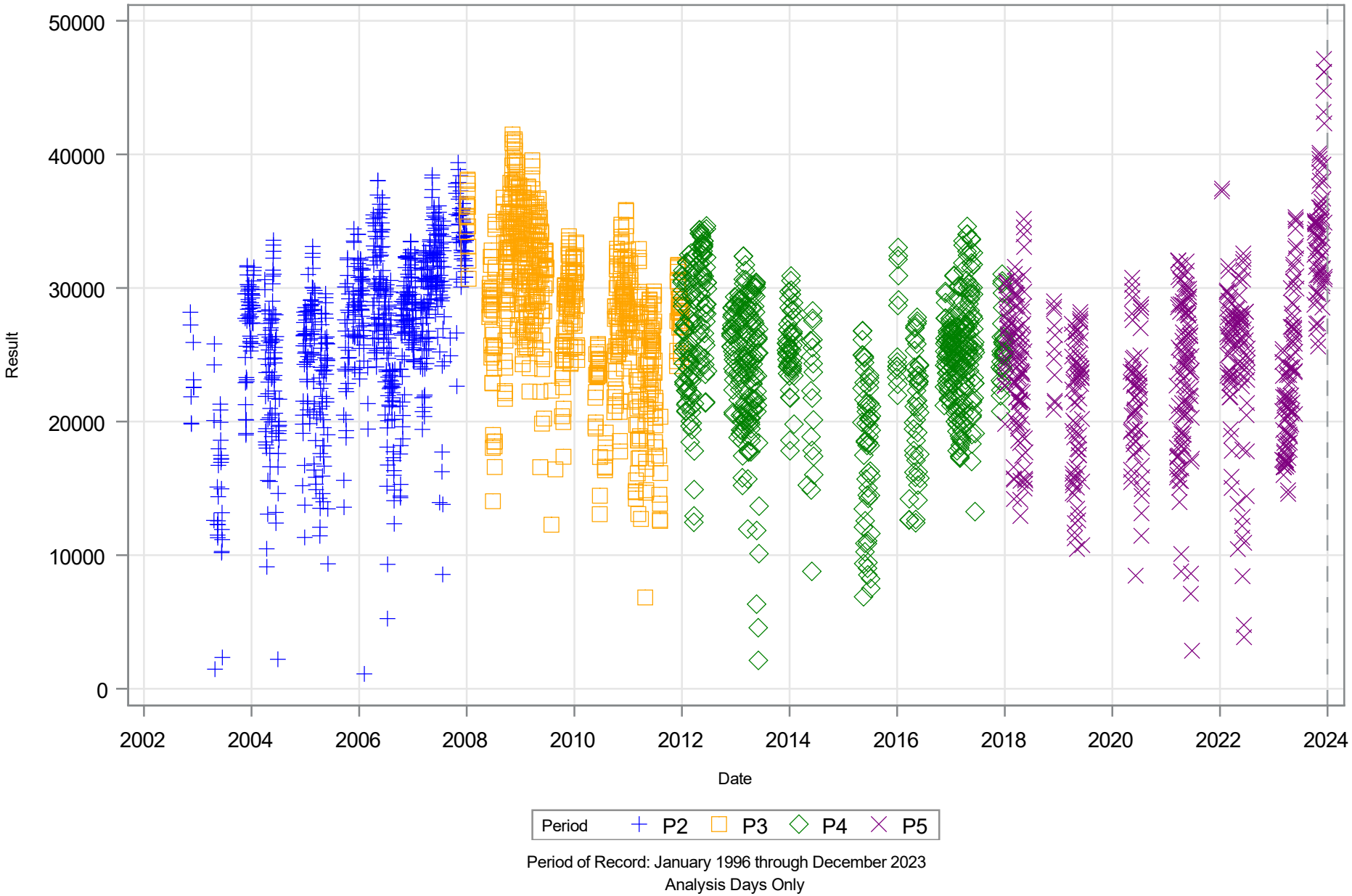
Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Crosstown CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

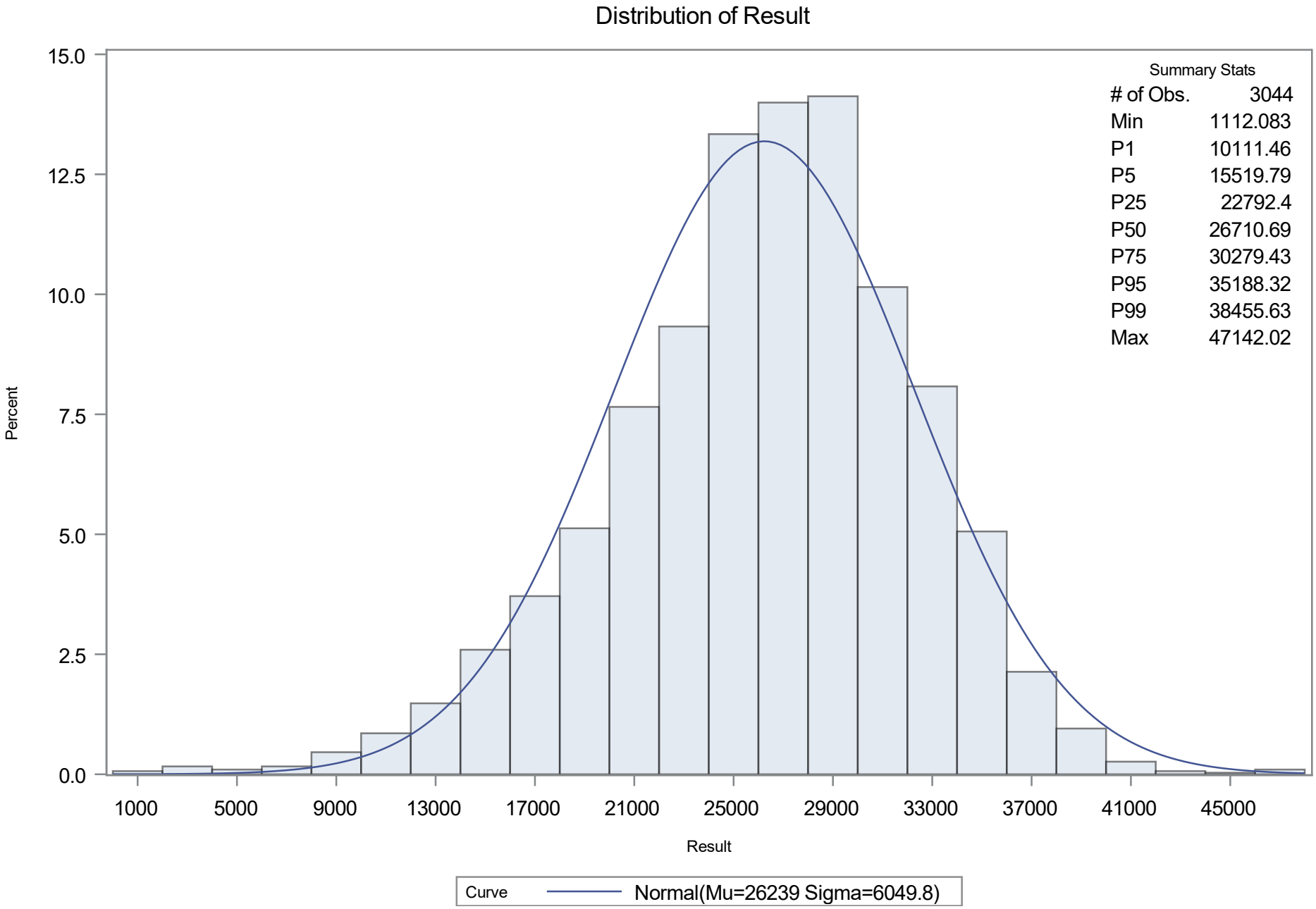
Timeseries of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26239.28
Std Dev	Sigma	6049.811

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04306910	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.56824451	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.33318443	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10111.5	12165.3
5.0	15519.8	16288.2
10.0	18195.5	18486.1
25.0	22792.4	22158.7
50.0	26710.7	26239.3
75.0	30279.4	30319.8
90.0	33522.4	33992.4
95.0	35188.3	36190.3
99.0	38455.6	40313.2

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

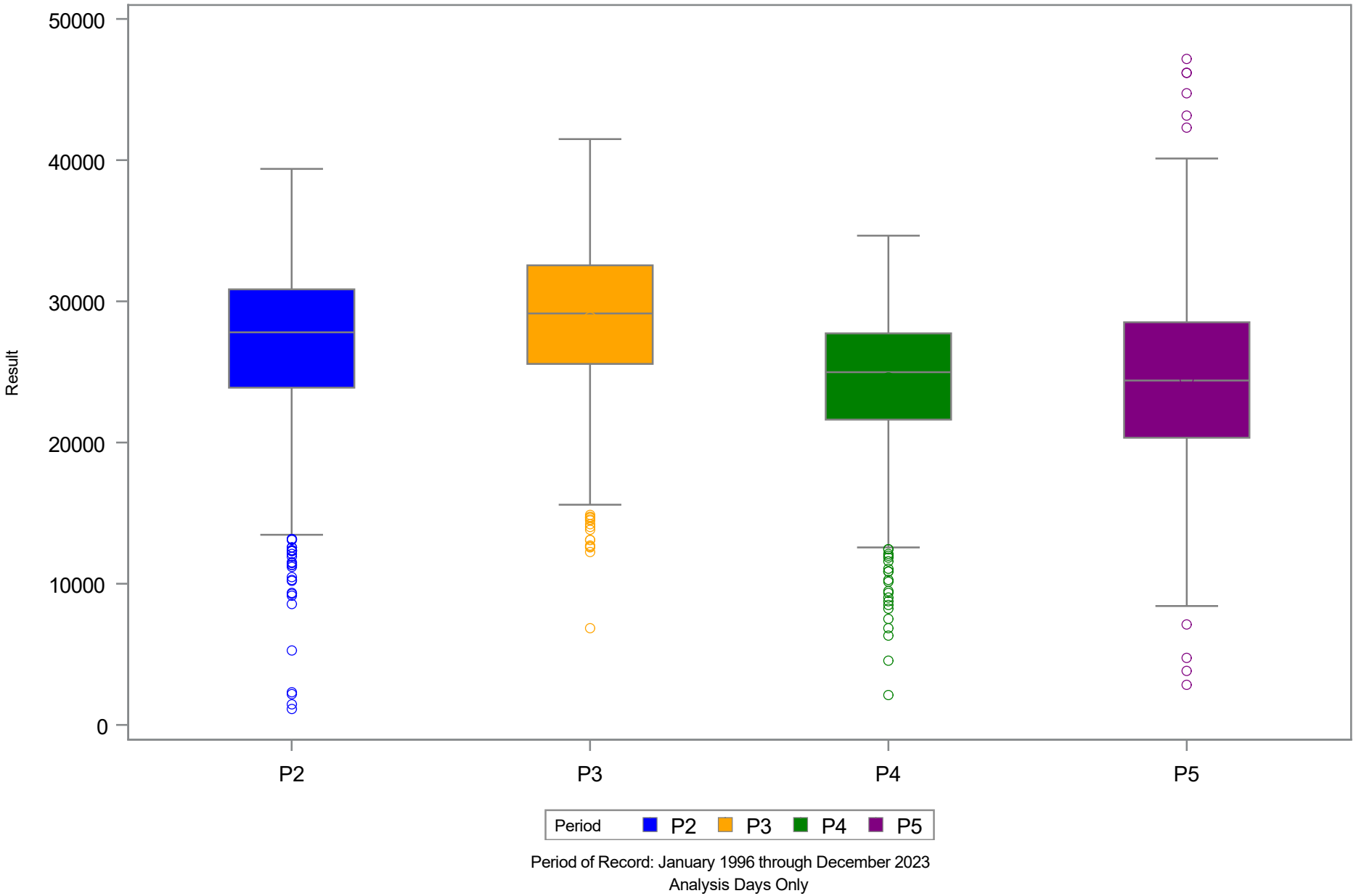
Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	909	1112.08	23885.00	26900.20	27806.15	30848.44	39379.58
P3	745	6832.81	25568.13	28721.88	29141.67	32549.27	41488.65
P4	759	2122.71	21624.38	24499.54	24983.33	27730.42	34648.75
P5	631	2846.88	20339.58	24448.71	24391.67	28519.38	47142.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

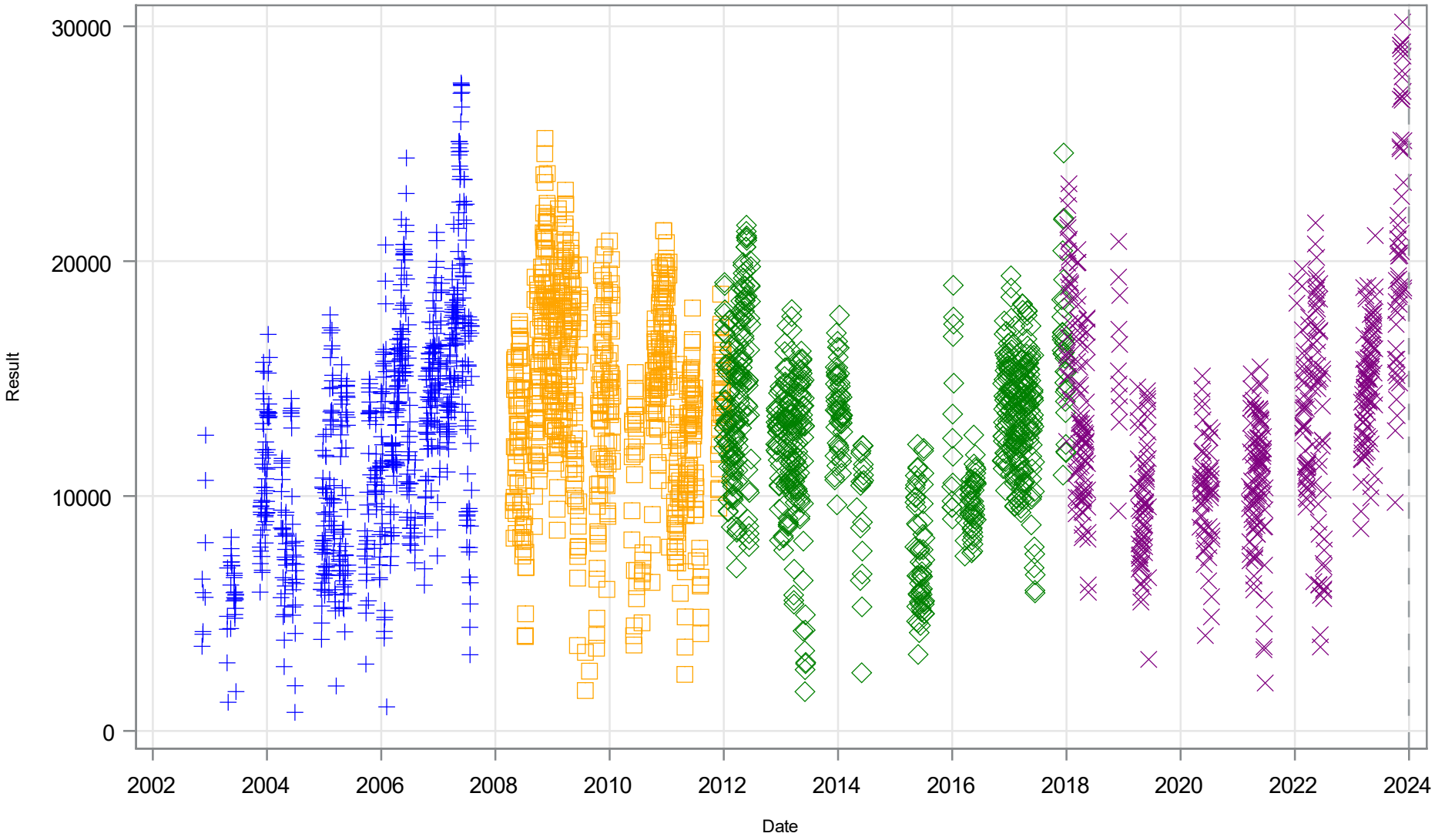
Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

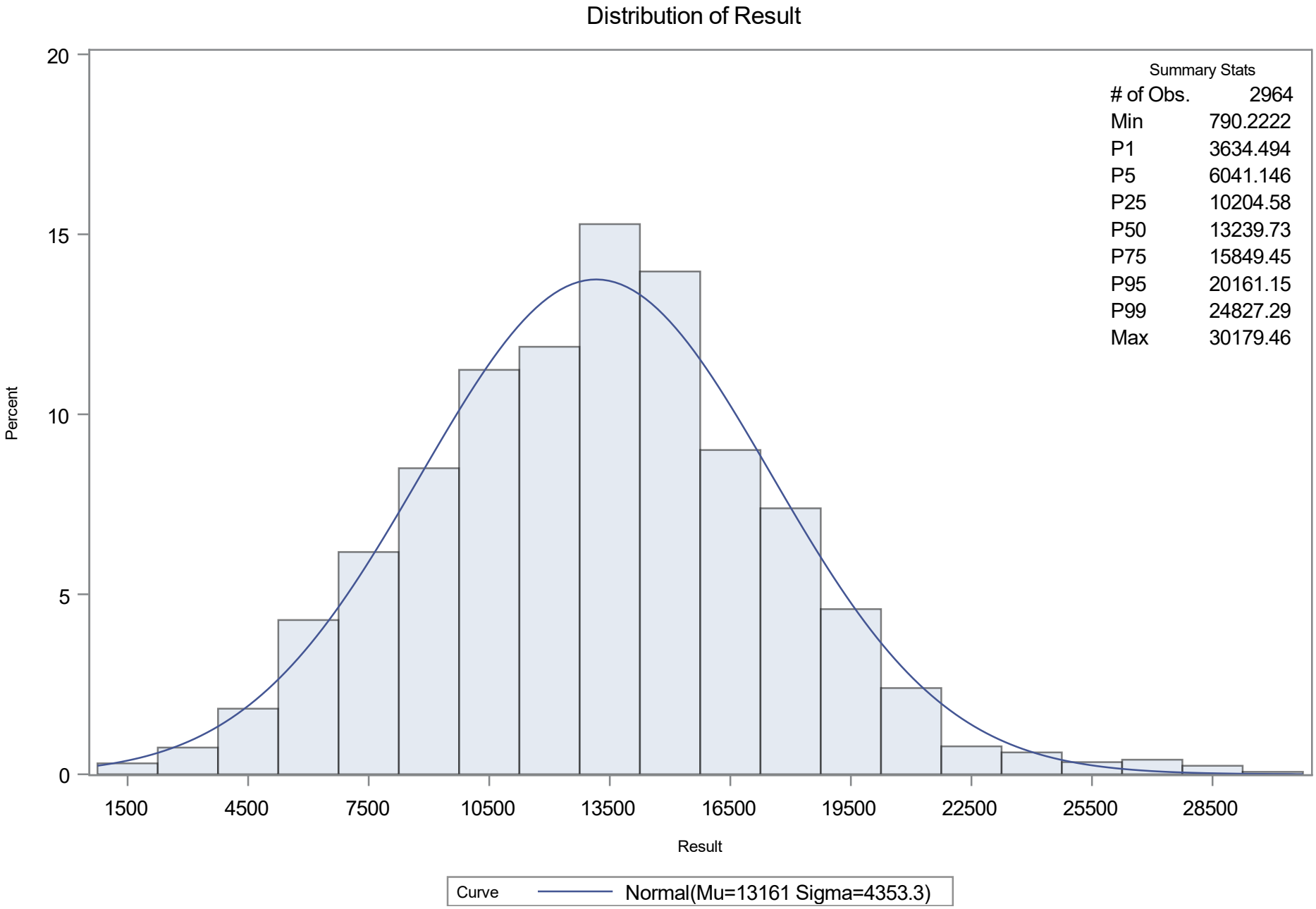
Timeseries of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13160.76
Std Dev	Sigma	4353.306

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.01917060	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.17757622	**Pr > W-Sq**	0.010
Anderson-Darling	**A-Sq**	1.47377857	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3634.49	3033.46
5.0	6041.15	6000.21
10.0	7495.21	7581.78
25.0	10204.58	10224.50
50.0	13239.73	13160.76
75.0	15849.45	16097.02
90.0	18594.73	18739.75
95.0	20161.15	20321.32
99.0	24827.29	23288.07

Period of Record: January 1996 through December 2023
Analysis Days Only

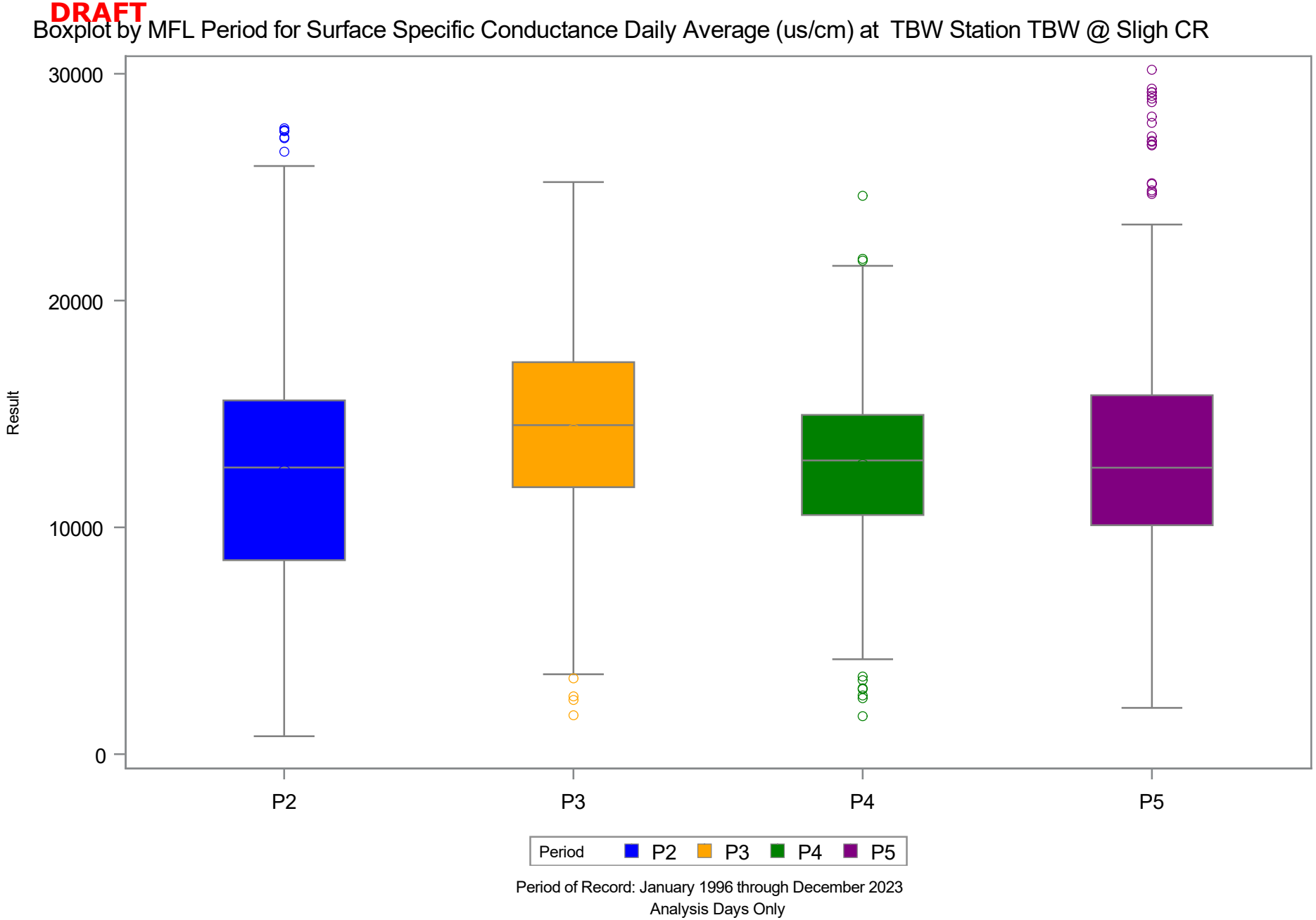
DRAFT

Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	803	790.22	8552.76	12444.10	12638.67	15597.30	27584.17
P3	769	1719.79	11771.56	14275.23	14506.67	17283.29	25224.78
P4	785	1671.88	10544.69	12697.03	12950.00	14958.02	24604.17
P5	607	2040.12	10094.06	13296.66	12630.73	15824.69	30179.46

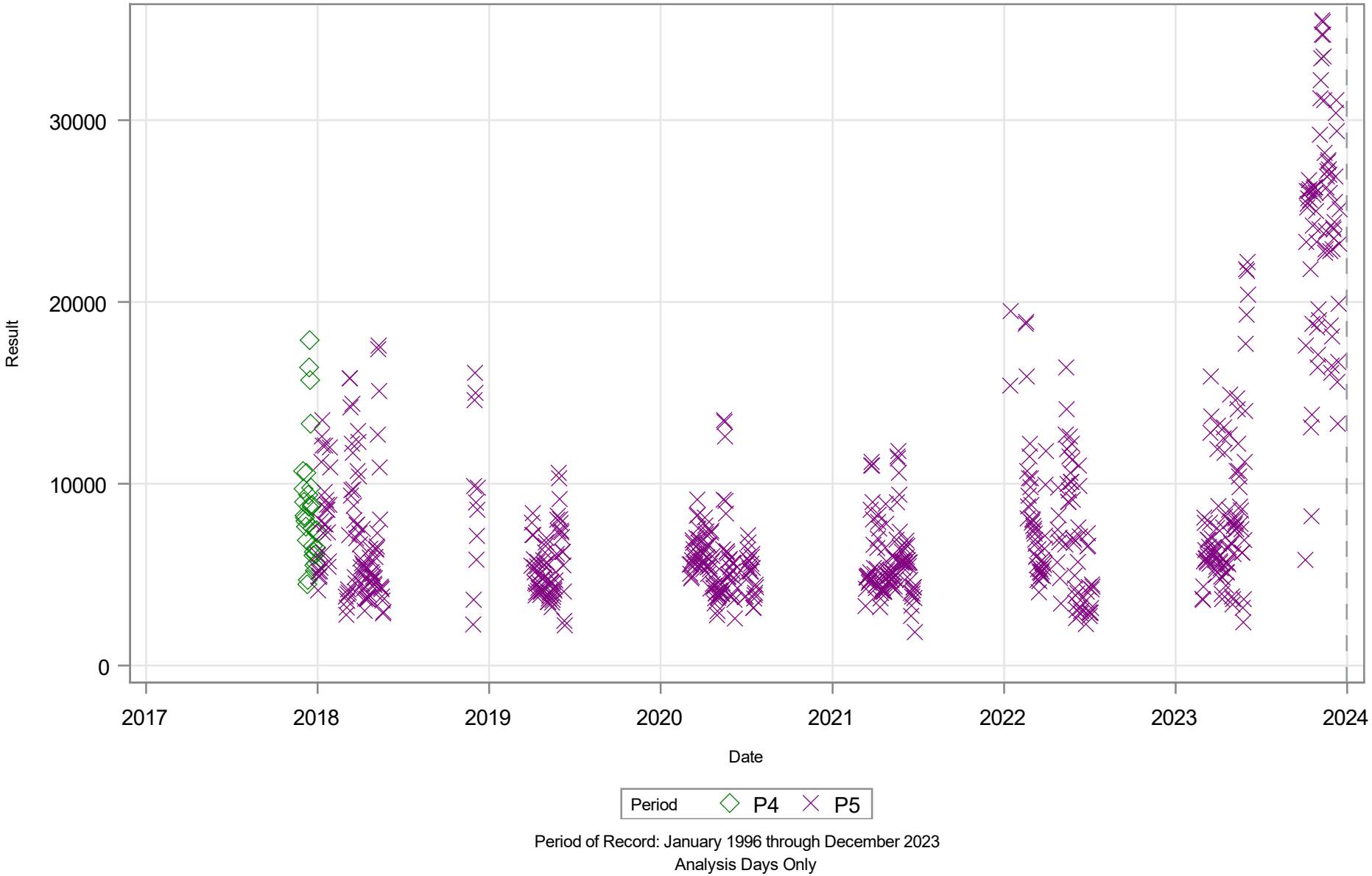
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at TBW Station TBW @ Sligh CR
Result
30000
20000
10000
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

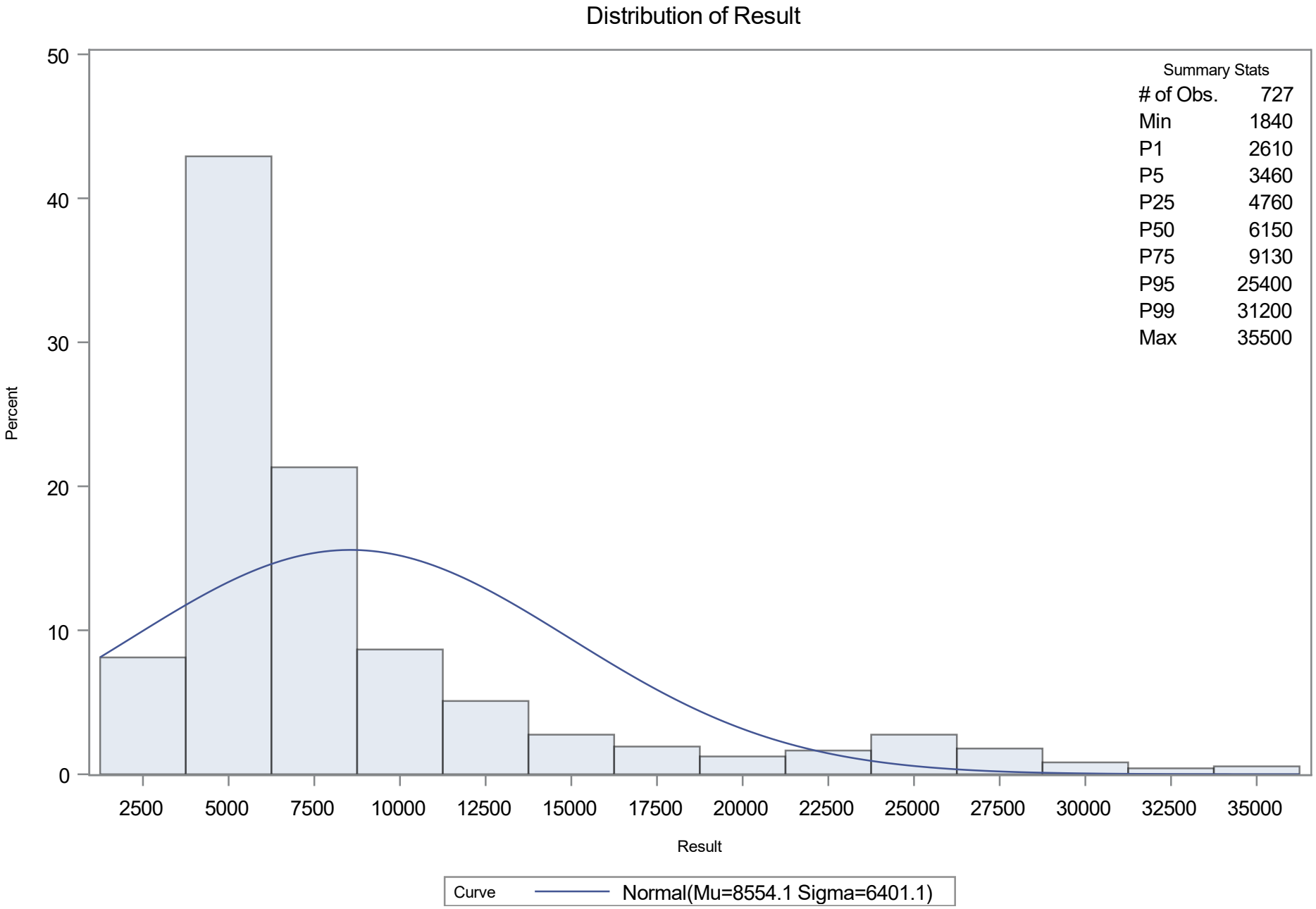
Timeseries of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8554.079
Std Dev	Sigma	6401.098

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2255972	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	12.7336633	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	69.6413857	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2610.00	-6337.102
5.0	3460.00	-1974.790
10.0	3860.00	350.742
25.0	4760.00	4236.604
50.0	6150.00	8554.079
75.0	9130.00	12871.554
90.0	17600.00	16757.416
95.0	25400.00	19082.948
99.0	31200.00	23445.260

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

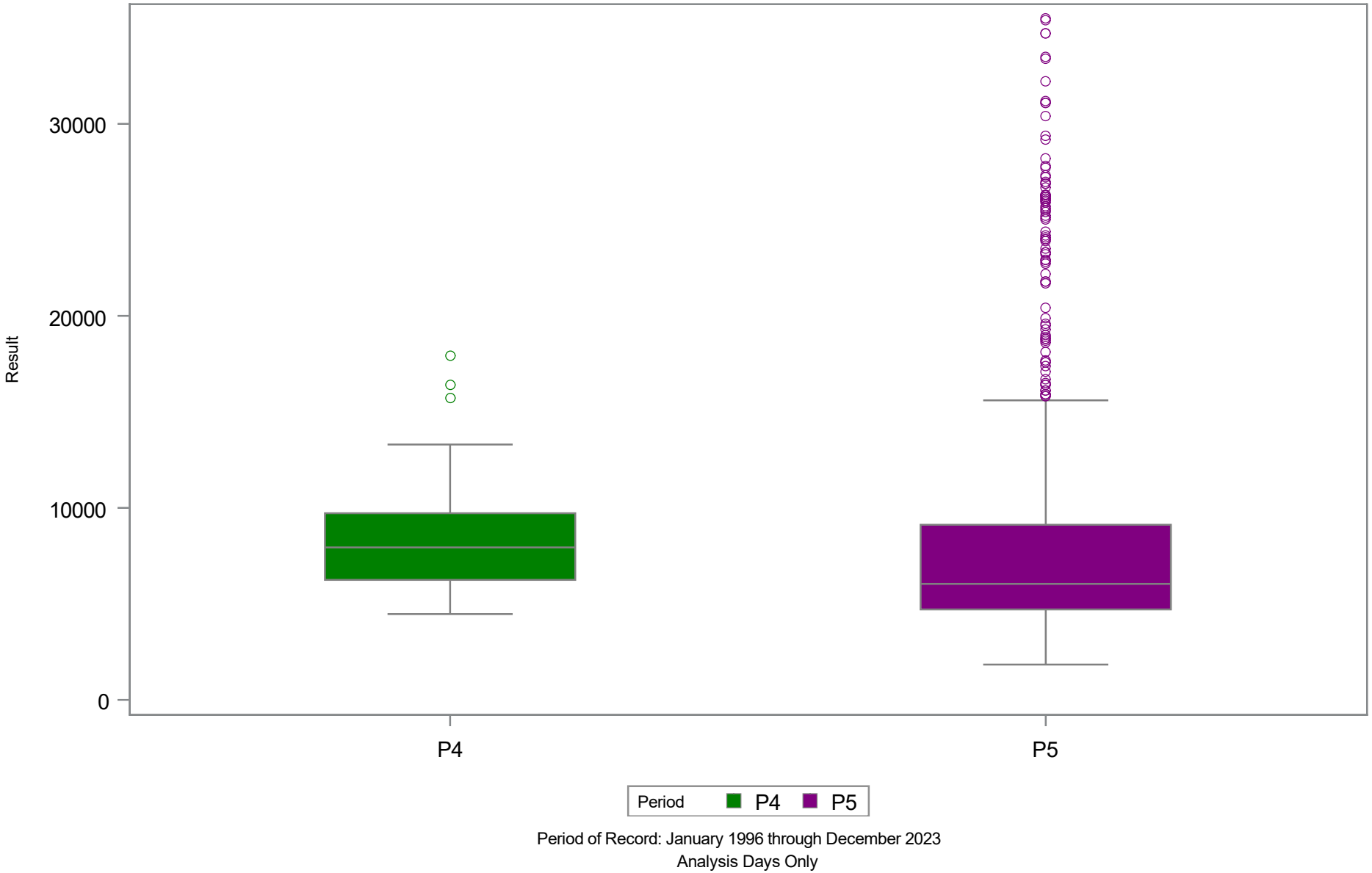
Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	4470.00	6250.00	8611.29	7940.00	9720.00	17900.00
P5	696	1840.00	4710.00	8551.53	6040.00	9120.00	35500.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

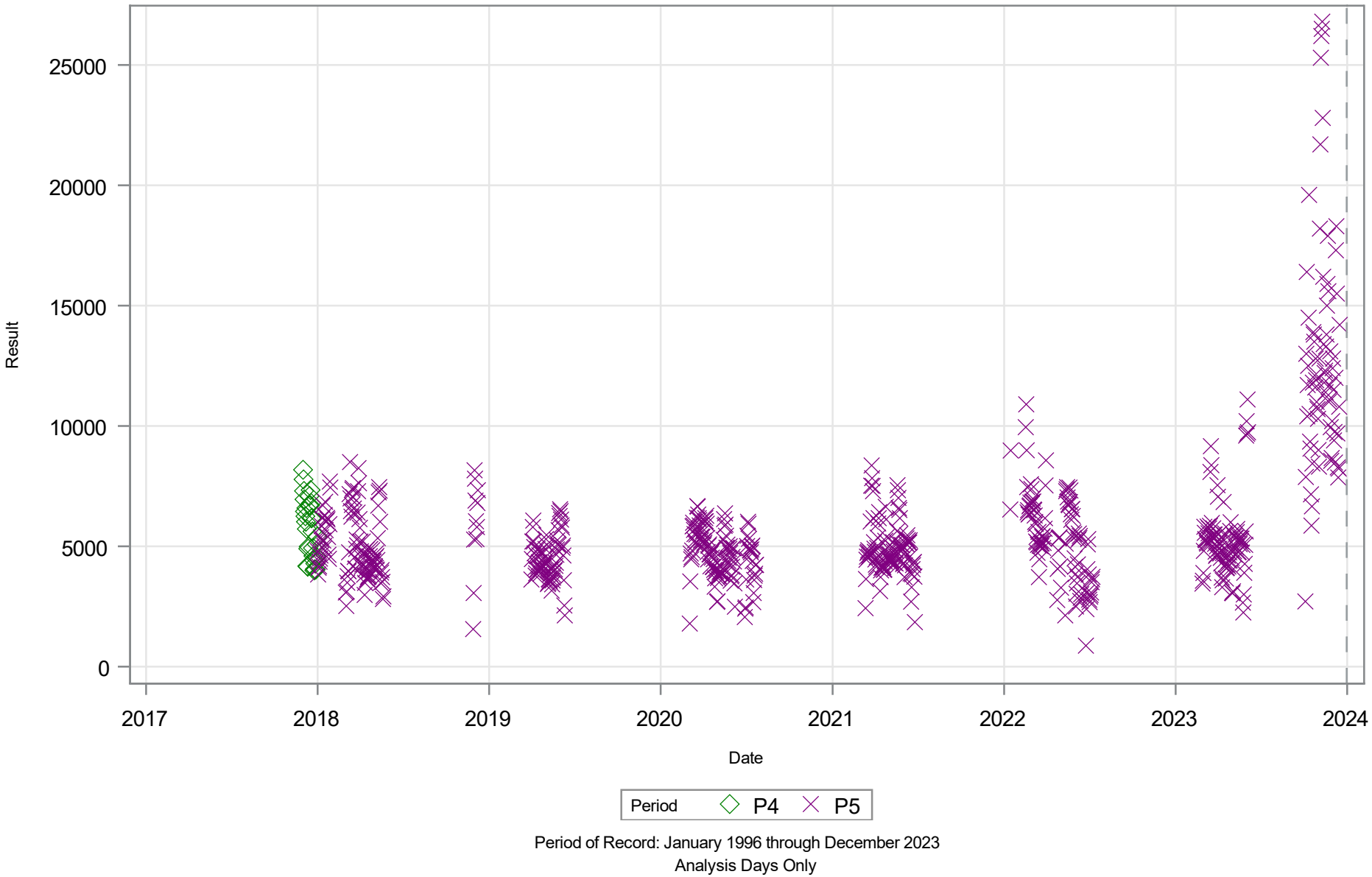
Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517

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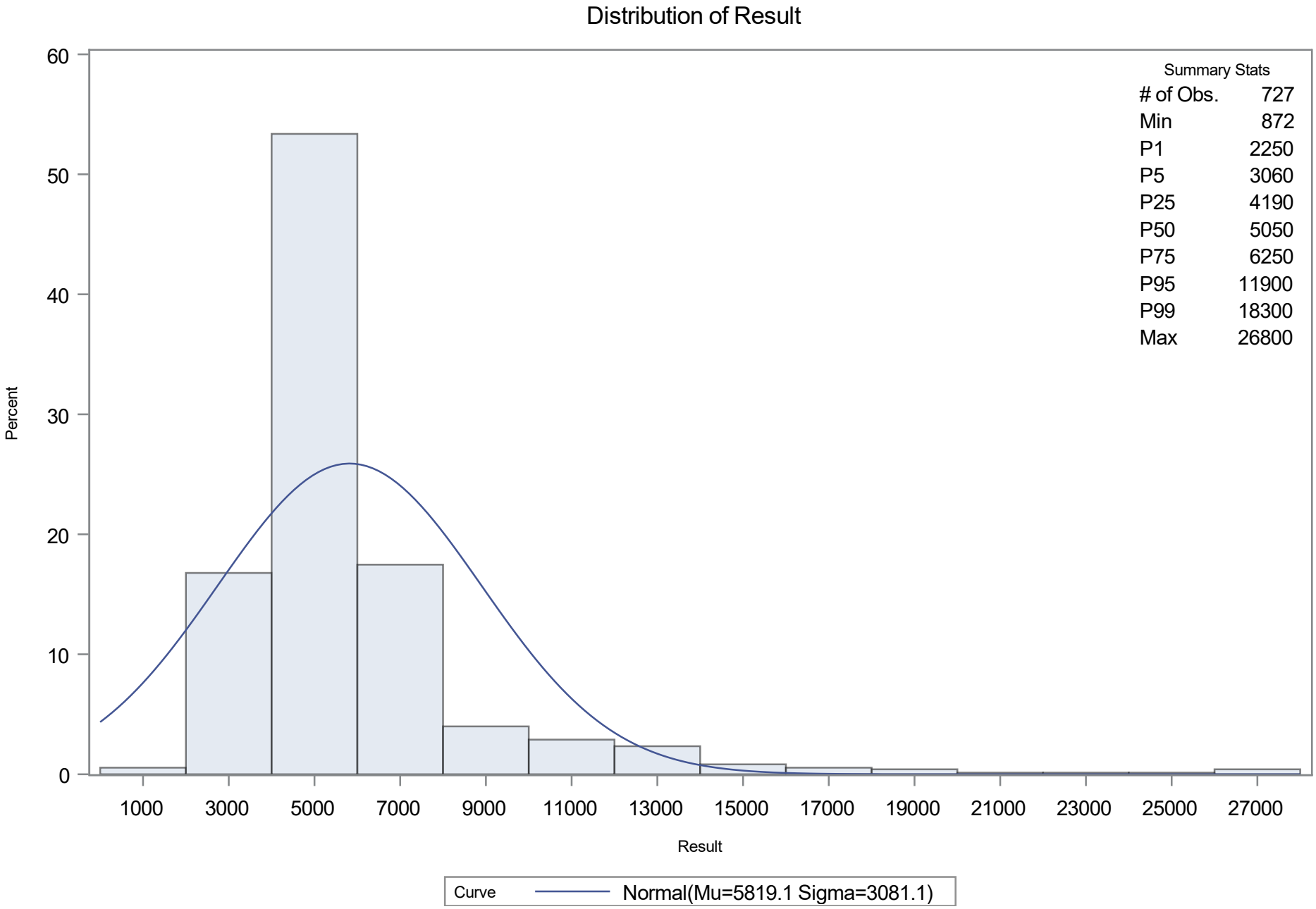

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5819.149
Std Dev	Sigma	3081.139

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2003789	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	10.9978255	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	59.0825774	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2250.00	-1348.652
5.0	3060.00	751.127
10.0	3620.00	1870.511
25.0	4190.00	3740.952
50.0	5050.00	5819.149
75.0	6250.00	7897.346
90.0	8570.00	9767.787
95.0	11900.00	10887.171
99.0	18300.00	12986.950

Period of Record: January 1996 through December 2023
Analysis Days Only

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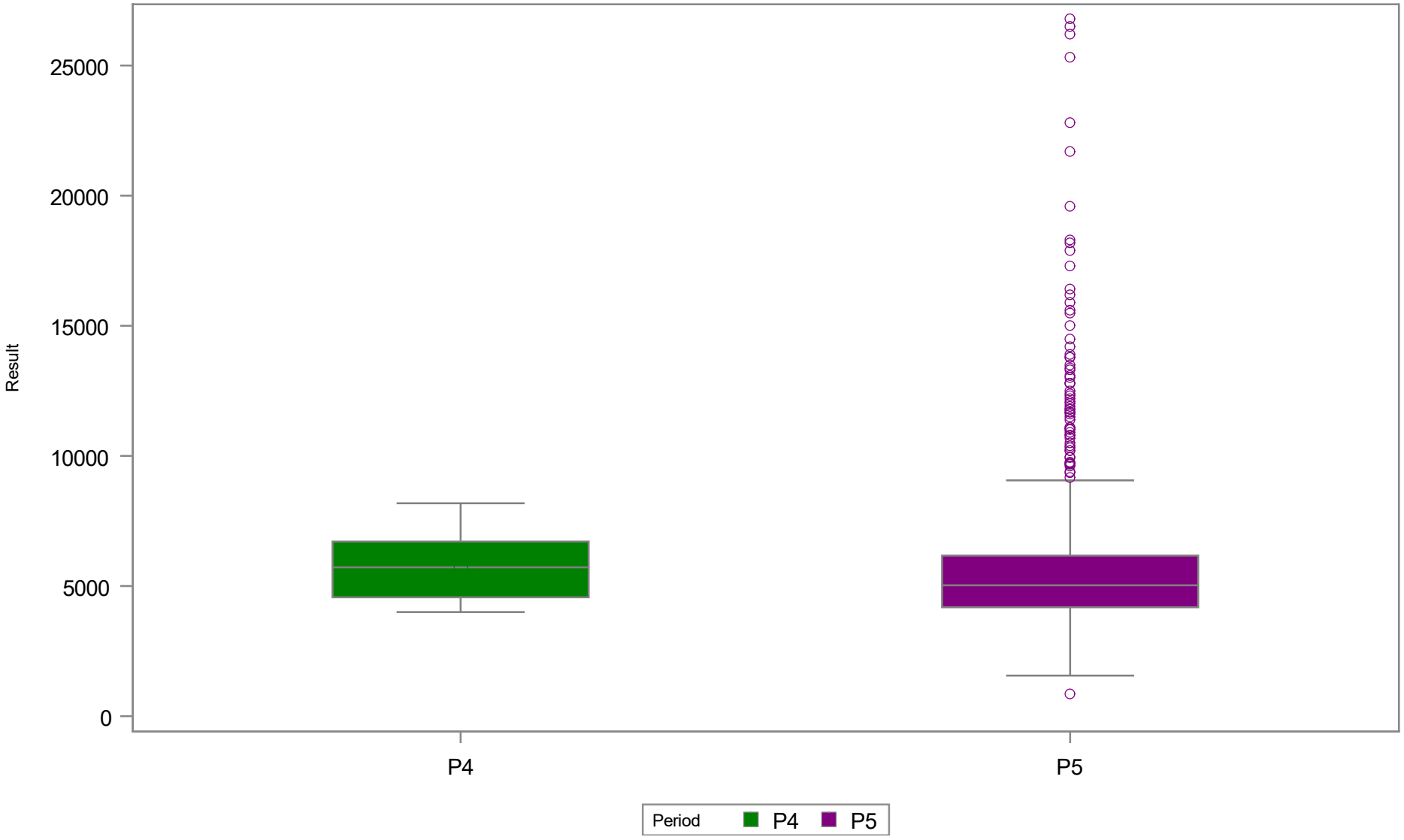
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	4000.00	4570.00	5724.19	5720.00	6710.00	8180.00
P5	696	872.00	4185.00	5823.38	5030.00	6170.00	26800.00

Period of Record: January 1996 through December 2023
Analysis Days Only

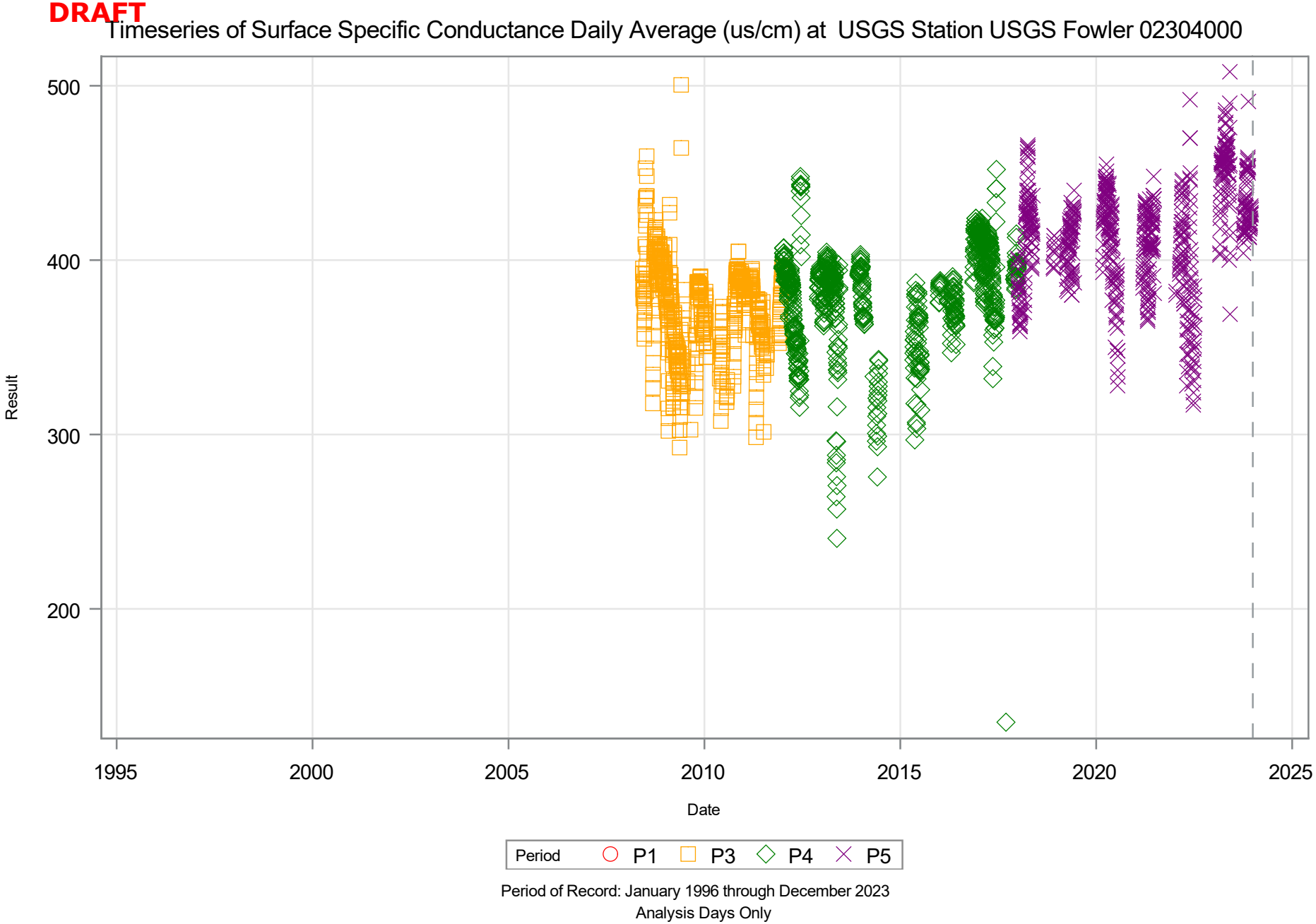
DRAFT

Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS BL Hannah's Whirl 02304517



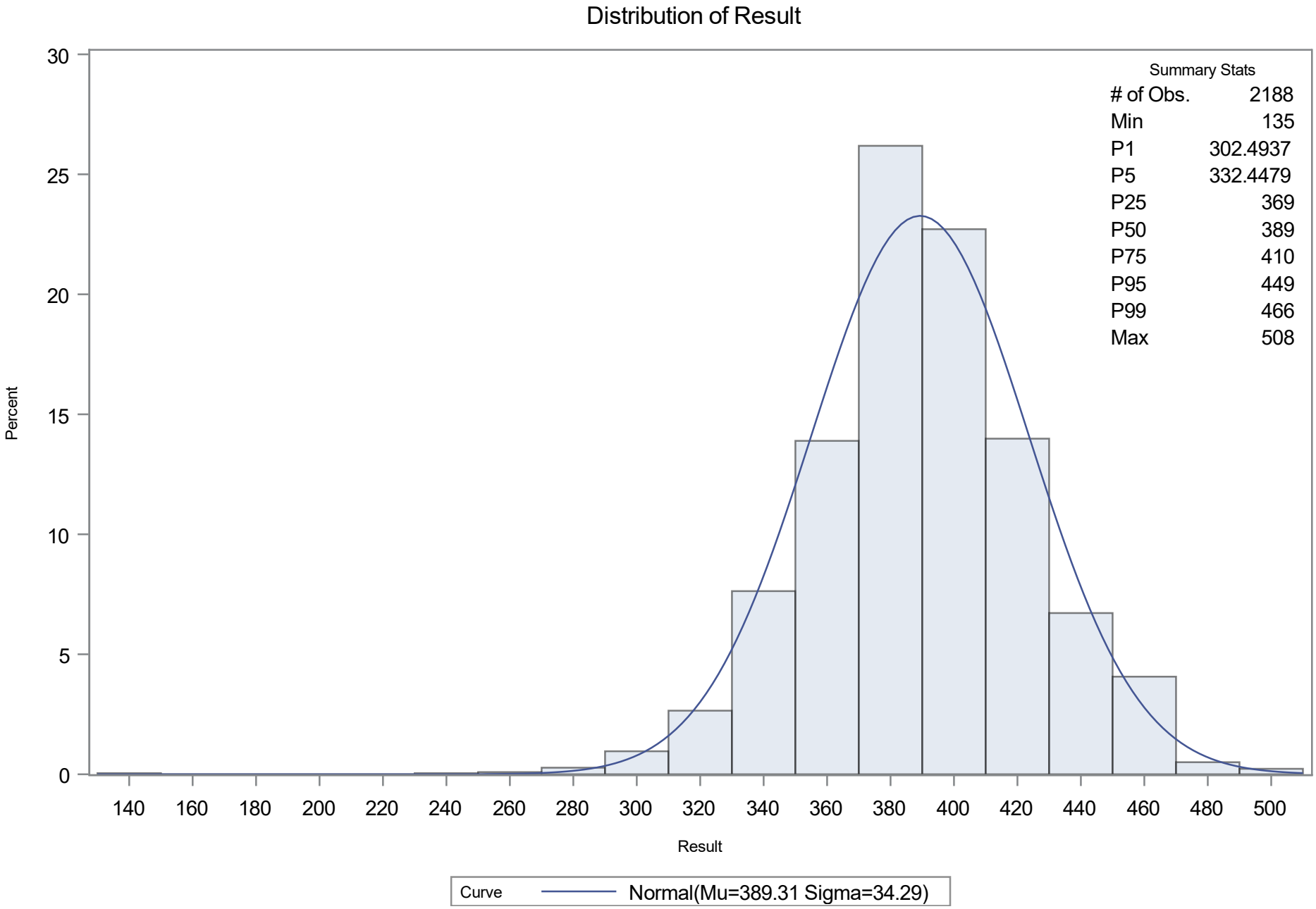
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Fowler 02304000
Result
500
400
300
200
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Fowler 02304000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Fowler 02304000

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	389.3123
Std Dev	Sigma	34.28994

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04749910	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.32018551	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.31411066	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	302.494	309.542
5.0	332.448	332.910
10.0	346.375	345.368
25.0	369.000	366.184
50.0	389.000	389.312
75.0	410.000	412.440
90.0	432.000	433.257
95.0	449.000	445.714
99.0	466.000	469.083

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

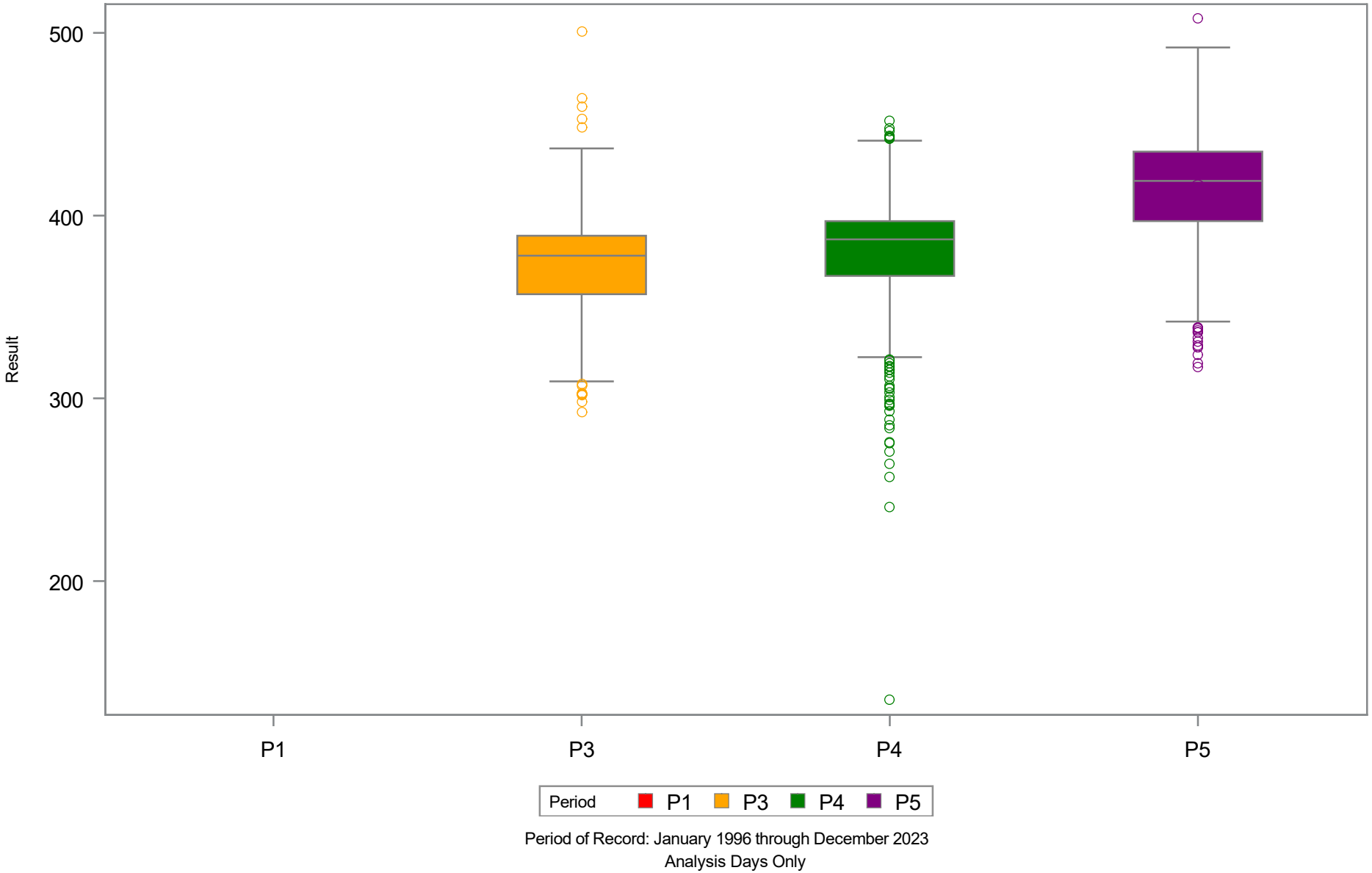
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Fowler 02304000

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P3	713	292.50	356.98	373.16	378.07	388.99	500.50
P4	779	135.00	367.00	380.40	387.00	396.98	452.00
P5	696	317.00	397.00	415.83	419.00	435.00	508.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

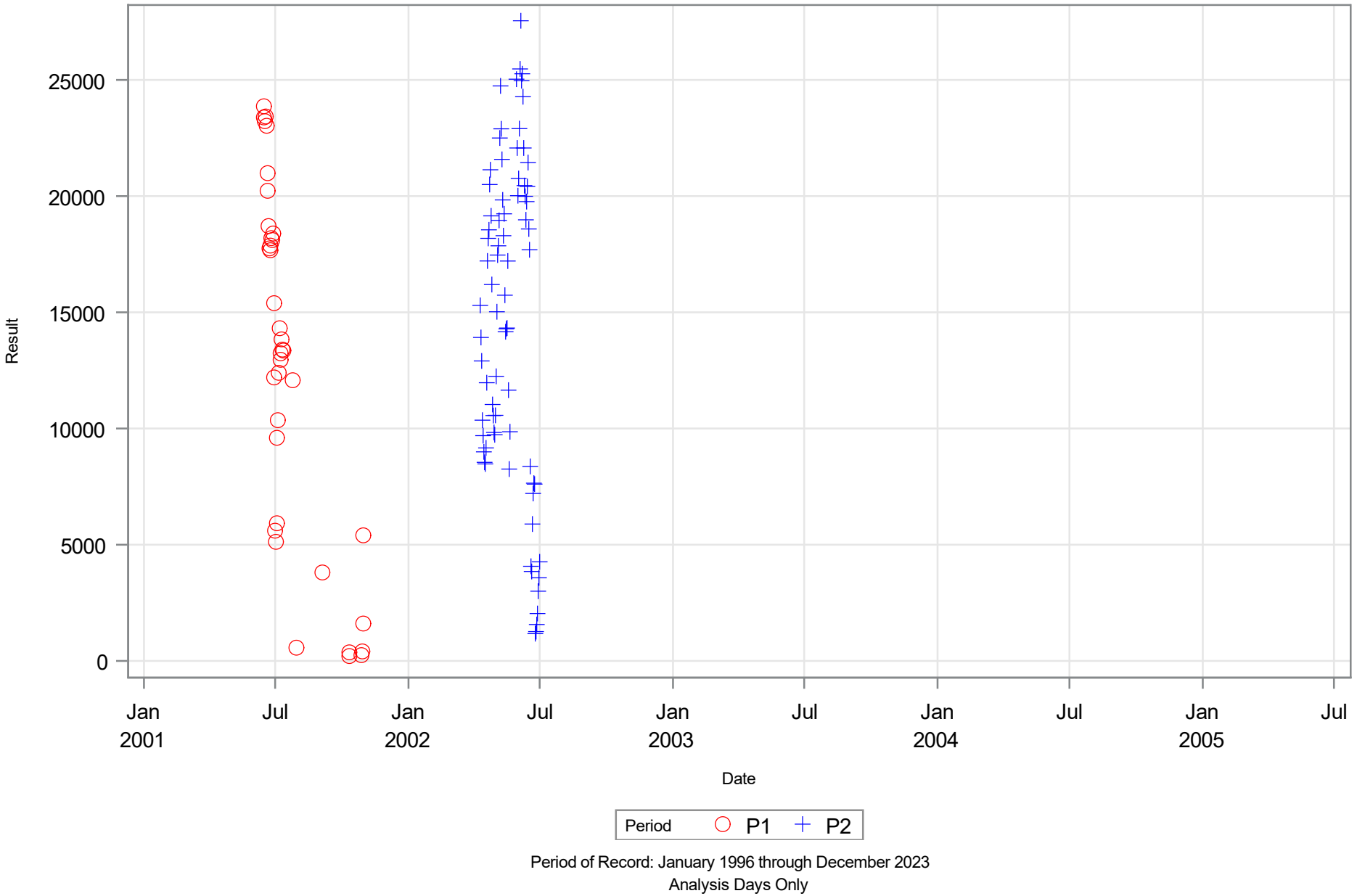
Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Fowler 02304000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

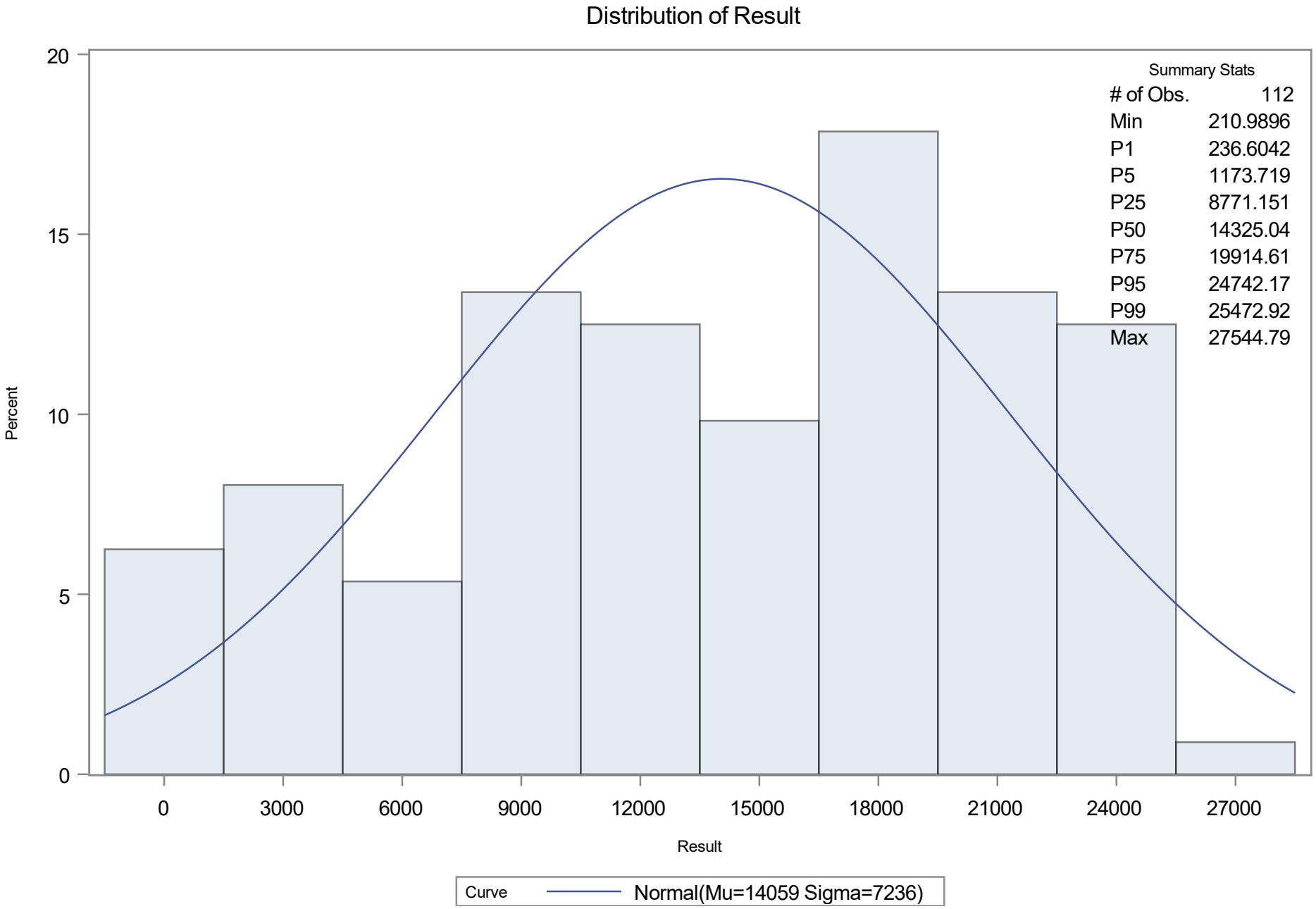
Timeseries of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14059.2
Std Dev	Sigma	7235.959

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11466985	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18432710	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.21152855	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	236.604	-2774.16
5.0	1173.719	2157.11
10.0	3575.729	4785.95
25.0	8771.151	9178.62
50.0	14325.043	14059.20
75.0	19914.608	18939.78
90.0	23044.684	23332.46
95.0	24742.169	25961.29
99.0	25472.917	30892.56

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

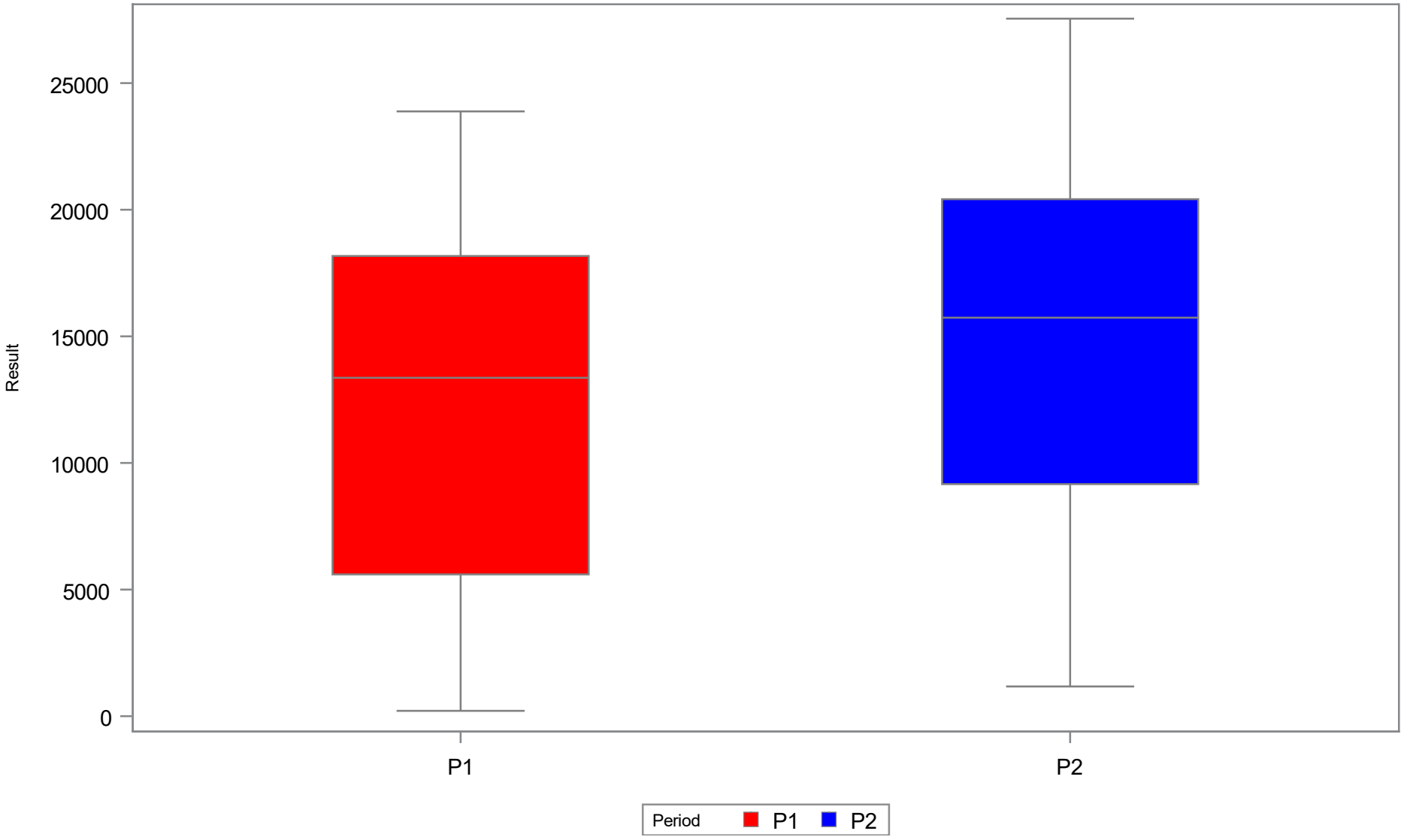
Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	210.99	5599.65	12629.54	13362.24	18172.66	23882.94
P2	75	1173.72	9164.27	14764.50	15736.25	20415.63	27544.79

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

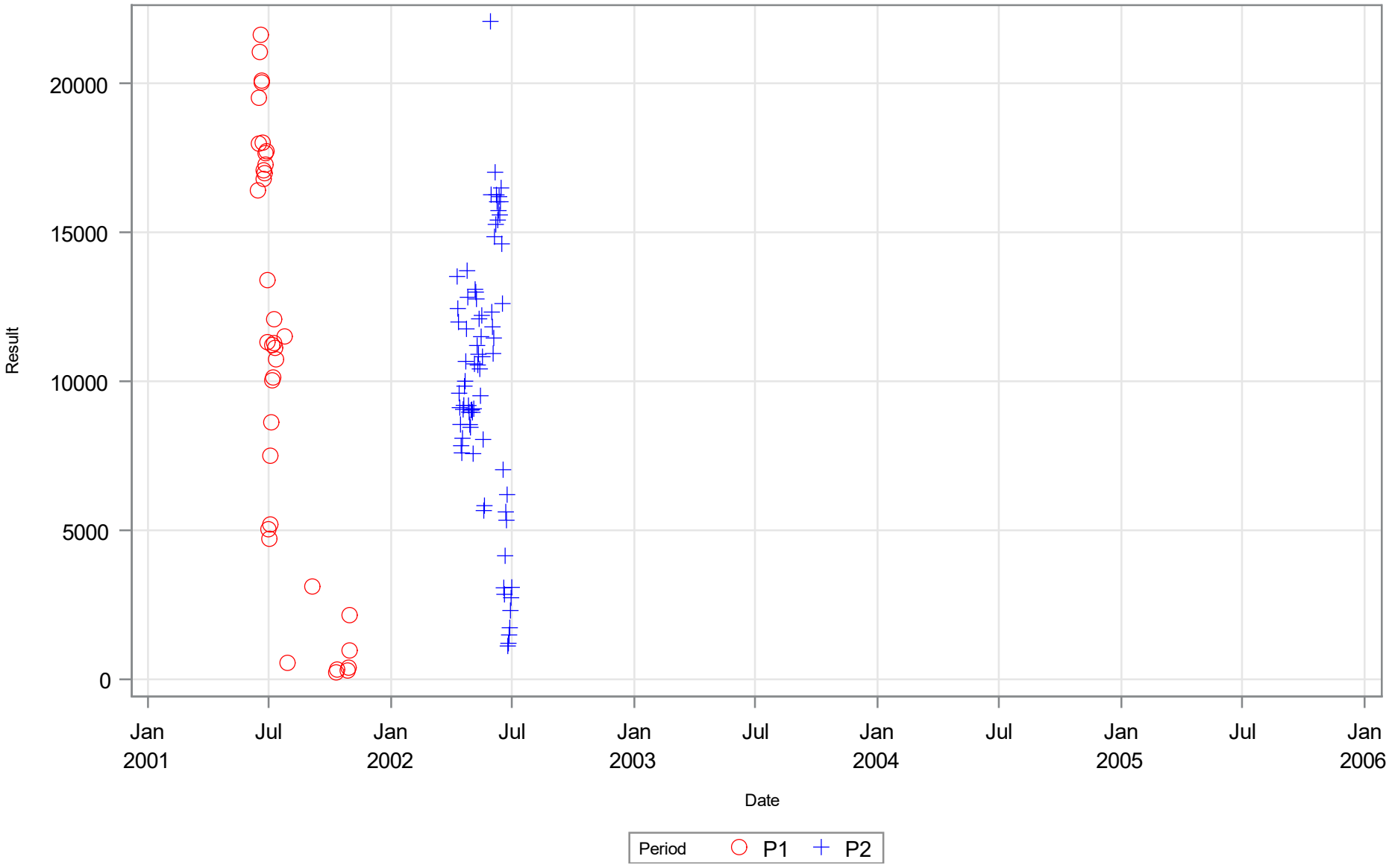
Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

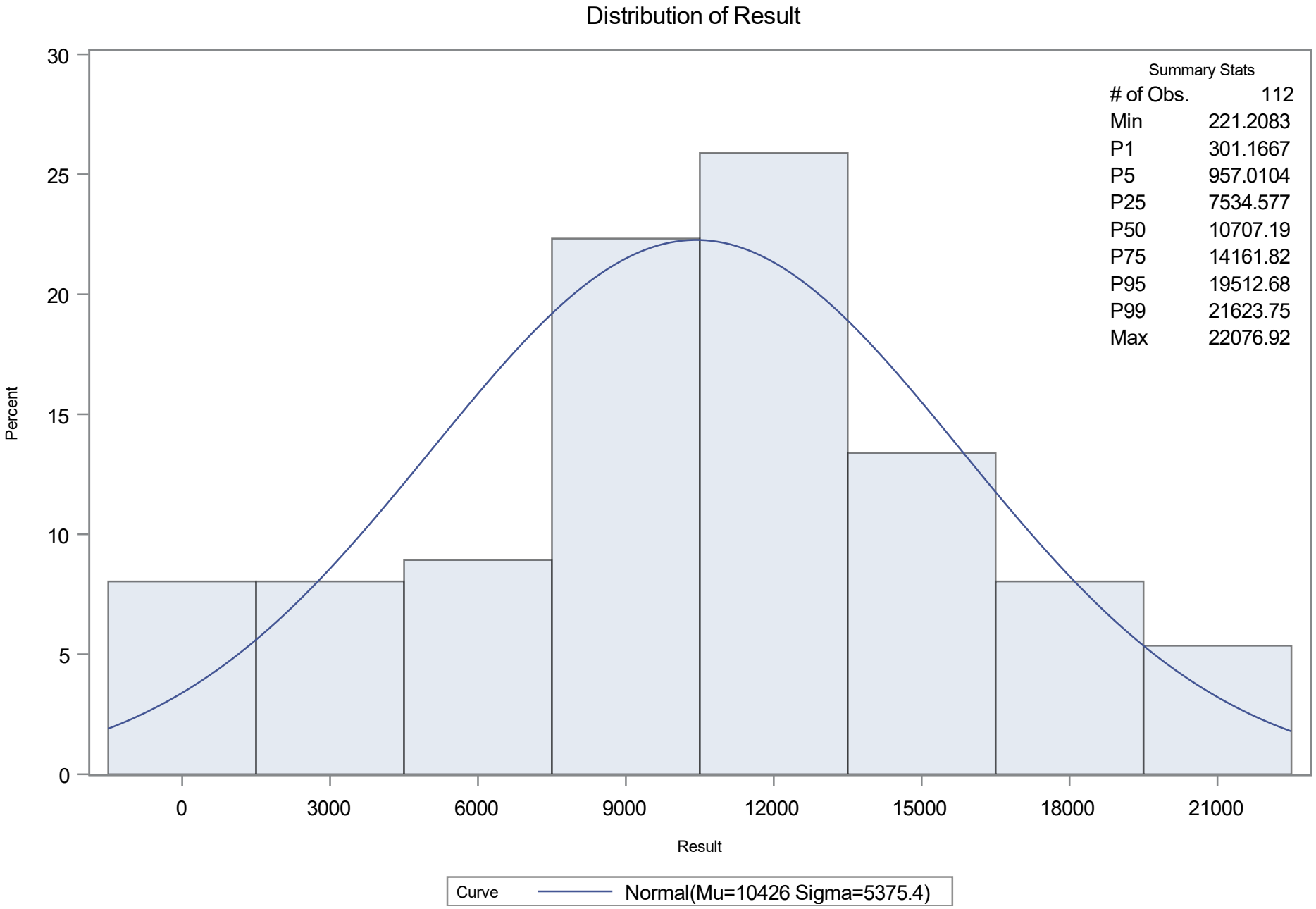
Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10426.22
Std Dev	Sigma	5375.44

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06444582	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08635586	**Pr > W-Sq**	0.175
Anderson-Darling	**A-Sq**	0.64243000	**Pr > A-Sq**	0.093

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	301.167	-2078.92
5.0	957.010	1584.41
10.0	2310.000	3537.32
25.0	7534.577	6800.54
50.0	10707.195	10426.22
75.0	14161.823	14051.90
90.0	17084.729	17315.12
95.0	19512.677	19268.03
99.0	21623.750	22931.36

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

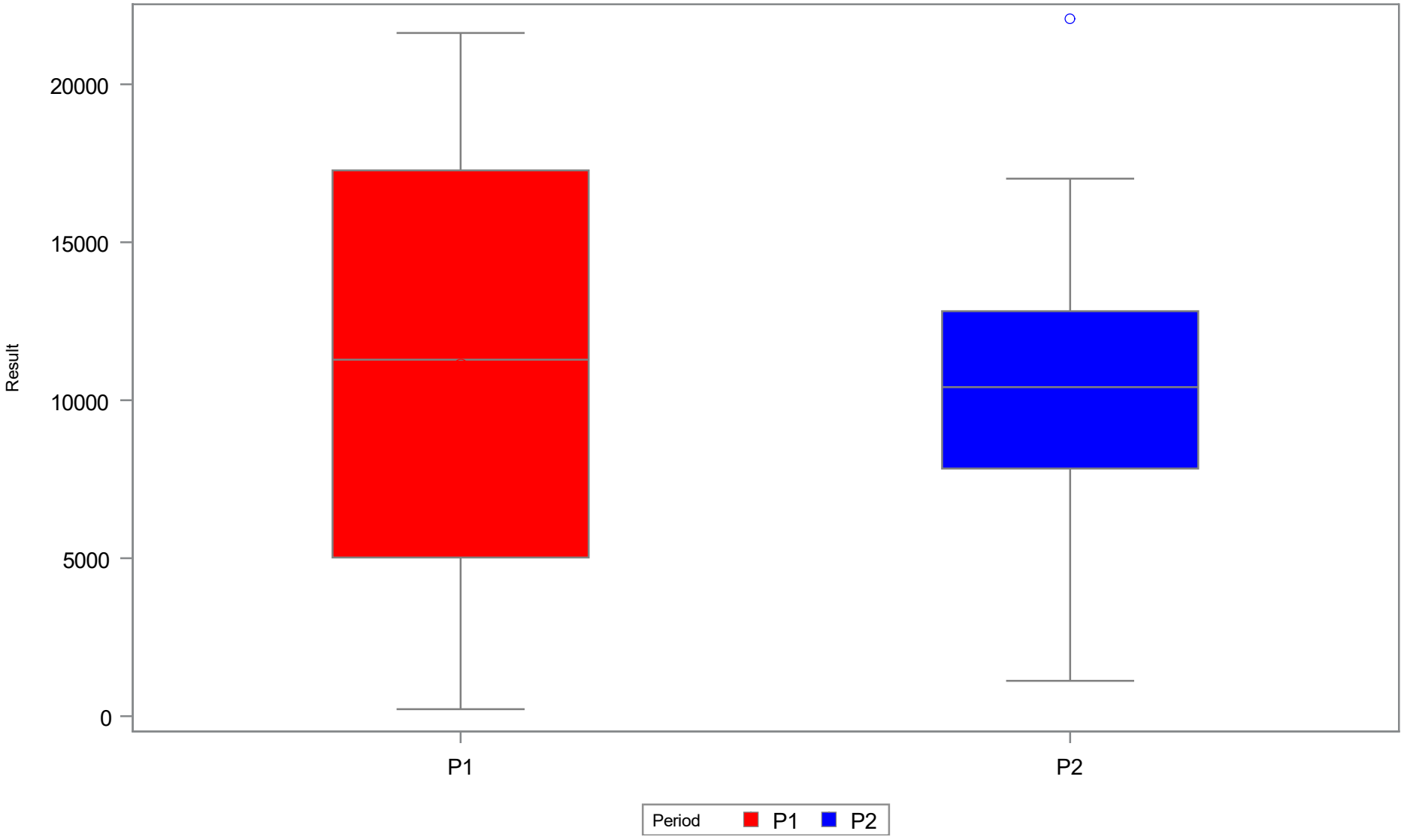
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	221.21	5022.85	11083.33	11283.50	17274.99	21623.75
P2	75	1118.75	7838.30	10102.05	10415.00	12818.75	22076.92

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

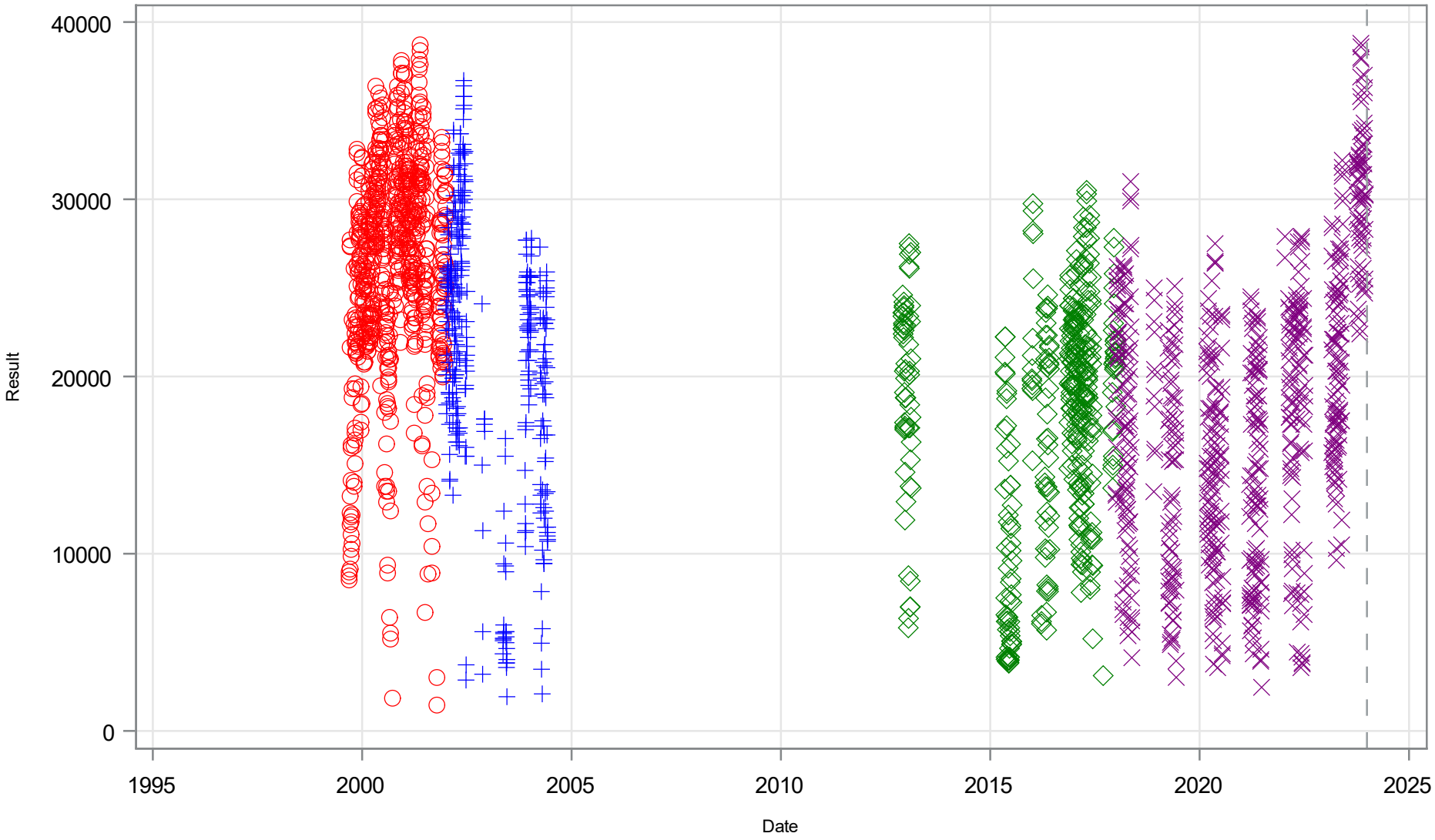
Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

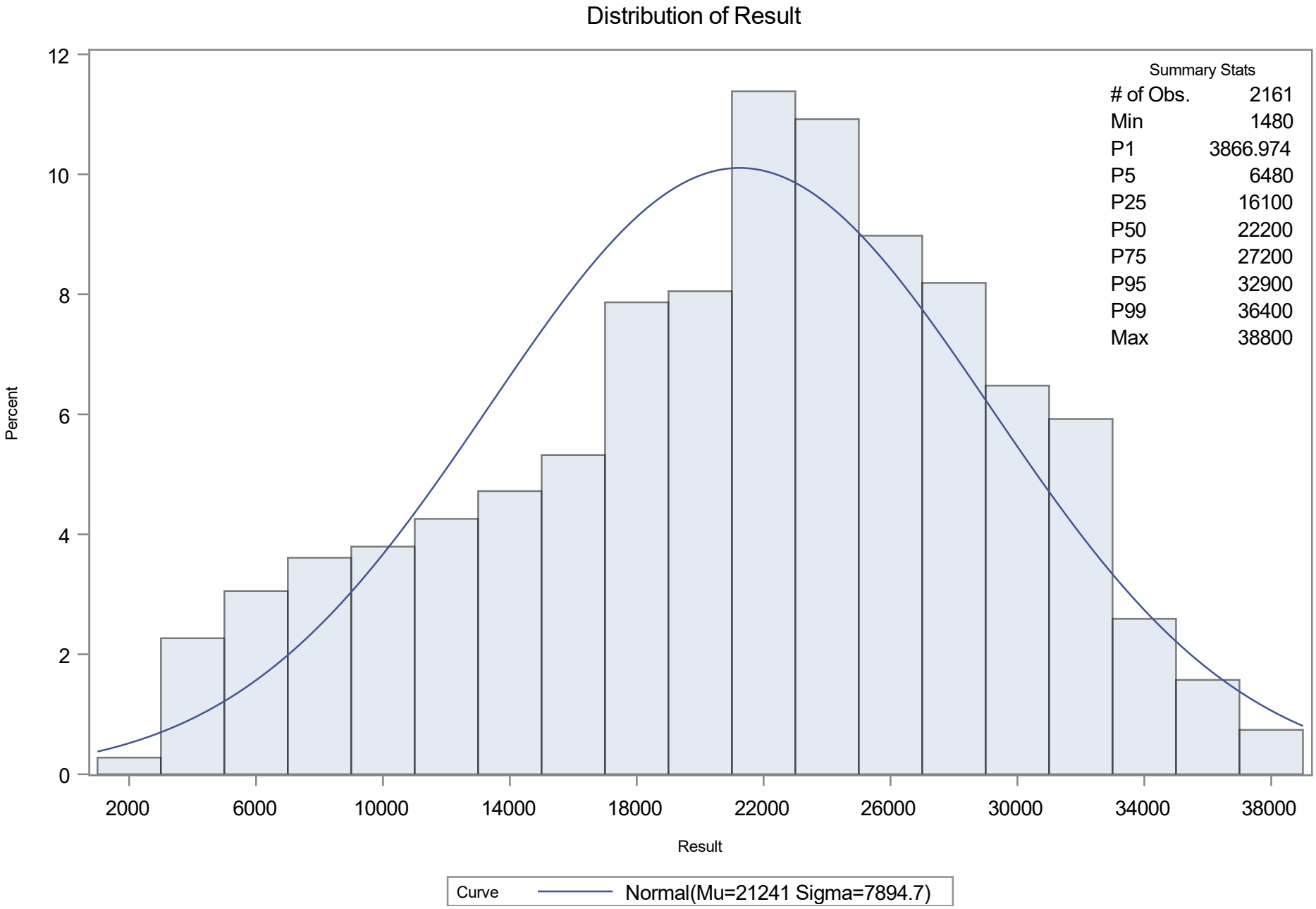
Timeseries of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21240.52
Std Dev	Sigma	7894.742

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0556407	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.7160484	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.2501572	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3866.97	2874.60
5.0	6480.00	8254.82
10.0	9370.00	11123.00
25.0	16100.00	15915.59
50.0	22200.00	21240.52
75.0	27200.00	26565.44
90.0	31100.00	31358.03
95.0	32900.00	34226.21
99.0	36400.00	39606.43

Period of Record: January 1996 through December 2023
Analysis Days Only

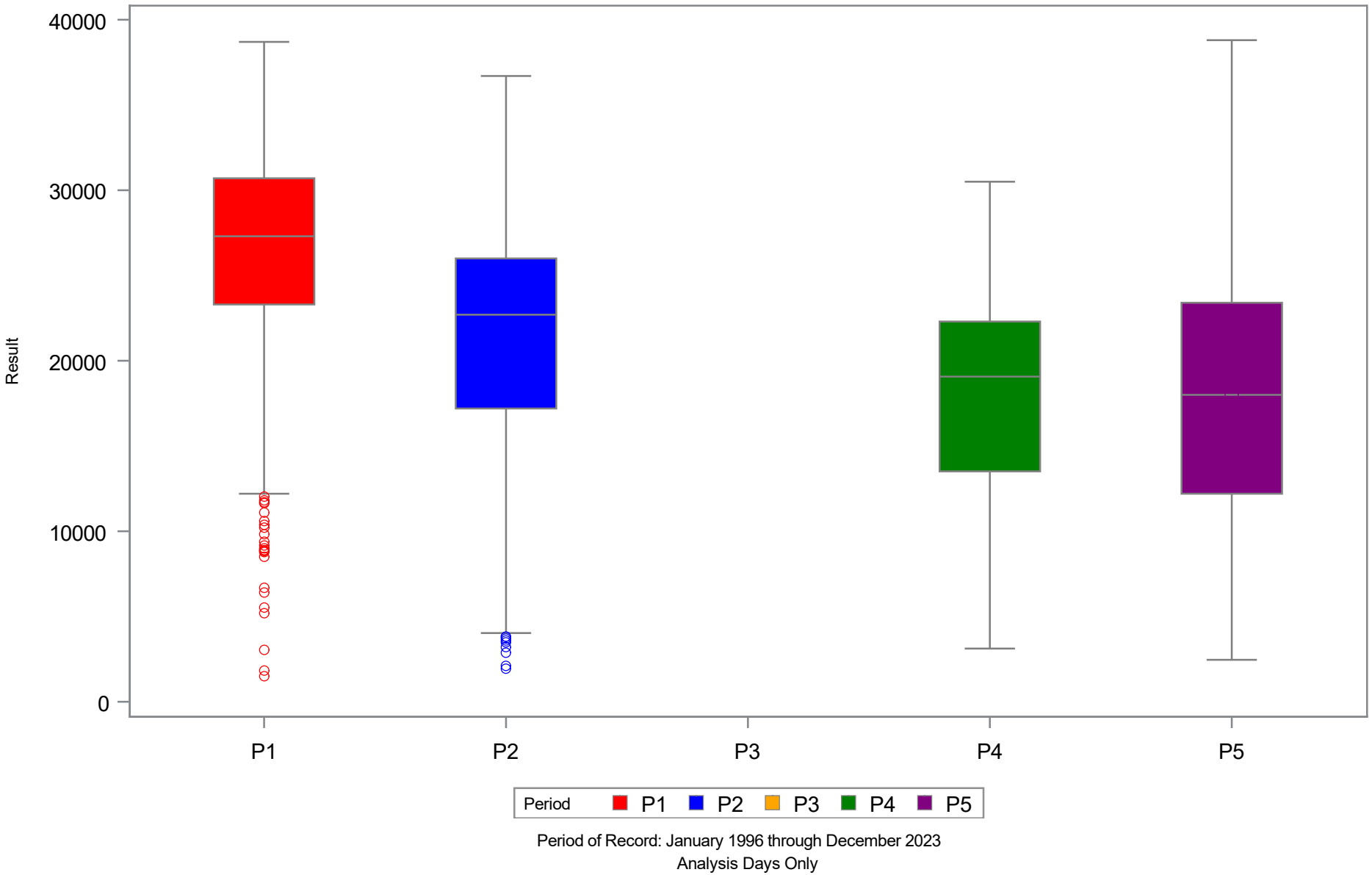
DRAFT

Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	709	1480.00	23300.00	26468.39	27300.00	30700.00	38700.00
P2	338	1930.00	17200.00	21287.16	22700.00	26000.00	36700.00
P3	0	0	0	0	0	0	0
P4	418	3120.00	13513.65	17644.35	19069.74	22300.00	30500.00
P5	696	2460.00	12200.00	18052.11	18000.00	23400.00	38800.00

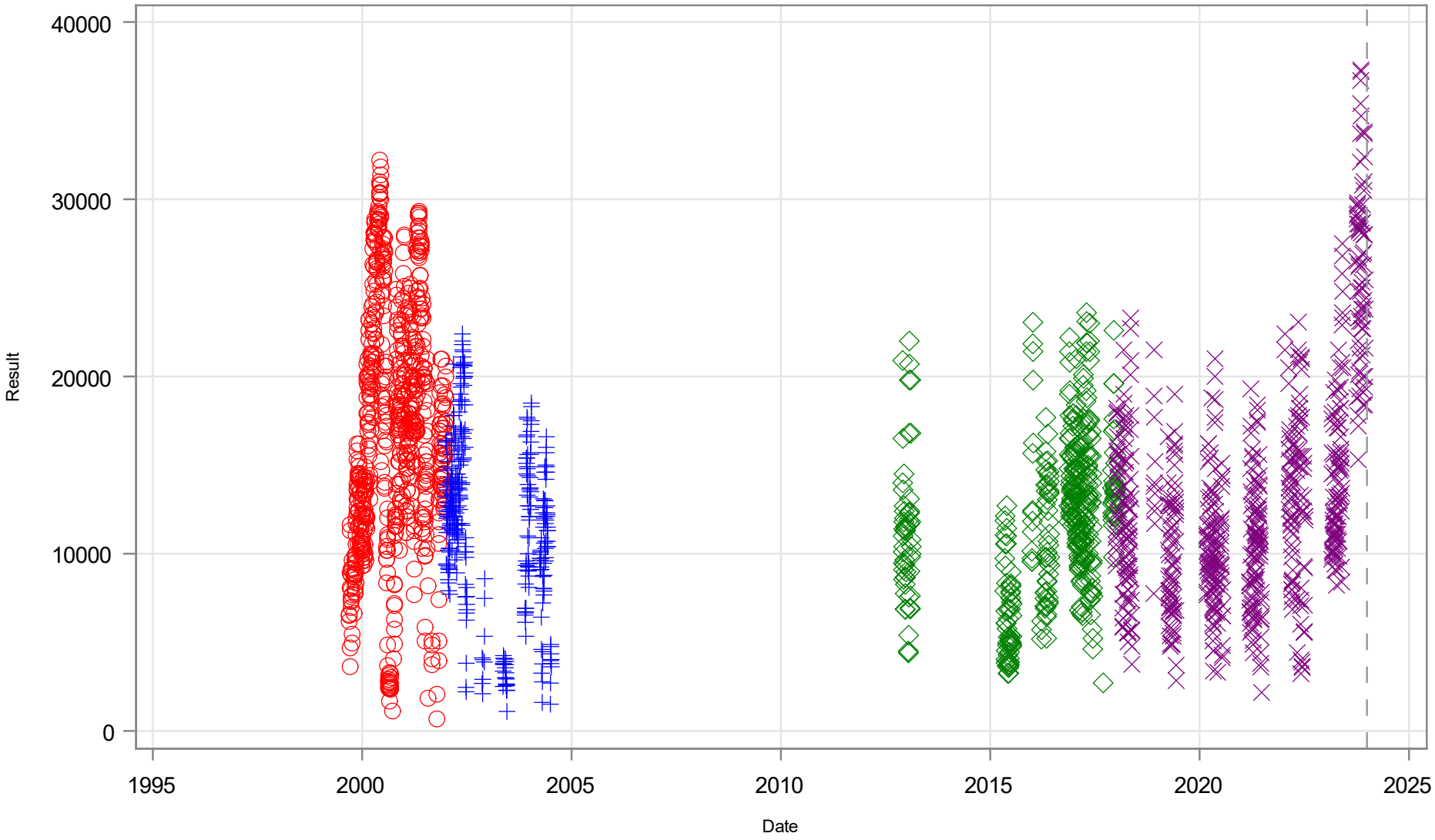
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013
Result
40000
30000
20000
10000
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

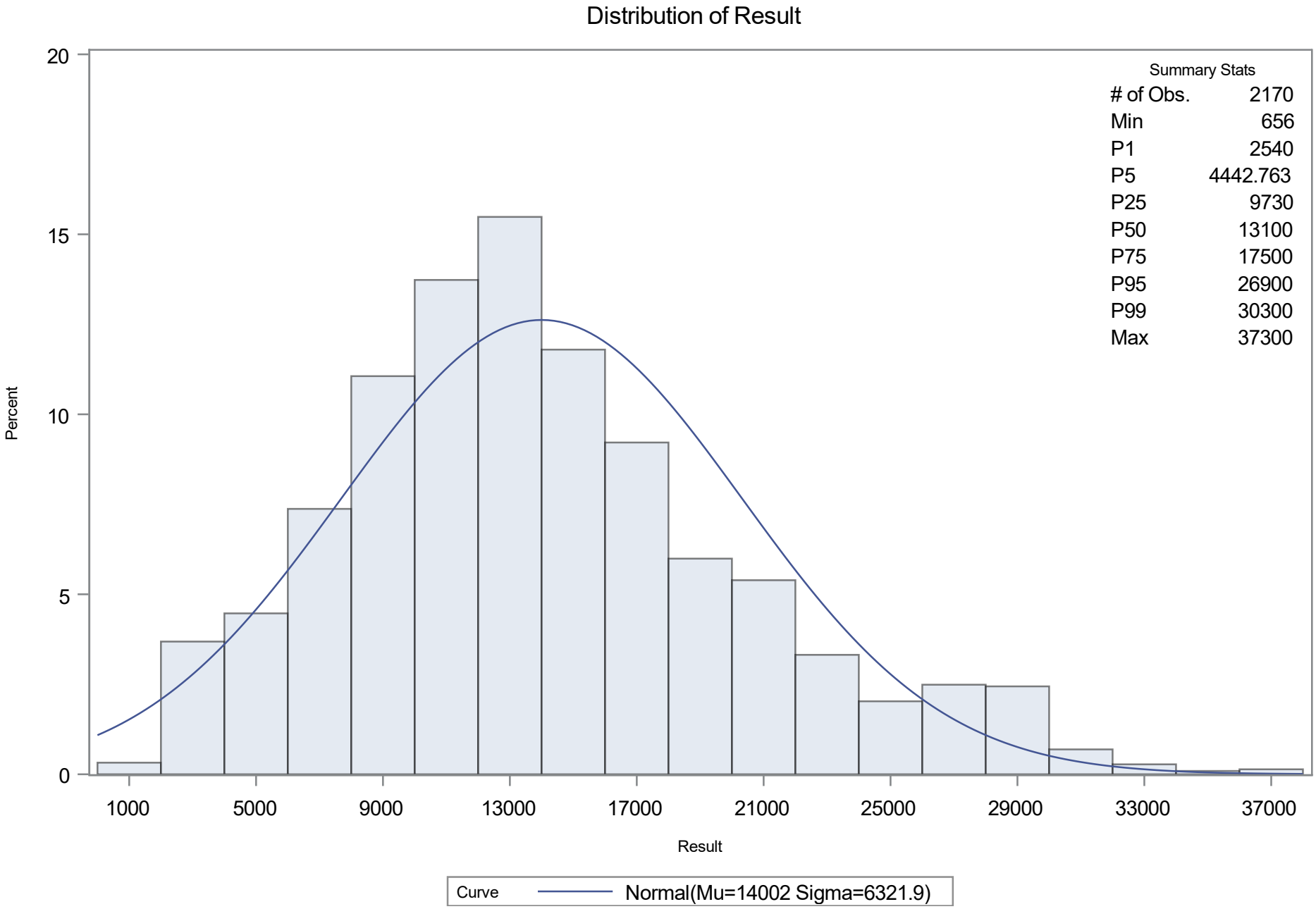
Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14002.34
Std Dev	Sigma	6321.935

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0713930	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.8026922	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.8813048	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2540.00	-704.676
5.0	4442.76	3603.686
10.0	6607.50	5900.458
25.0	9730.00	9738.263
50.0	13100.00	14002.343
75.0	17500.00	18266.424
90.0	23000.00	22104.229
95.0	26900.00	24401.001
99.0	30300.00	28709.363

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

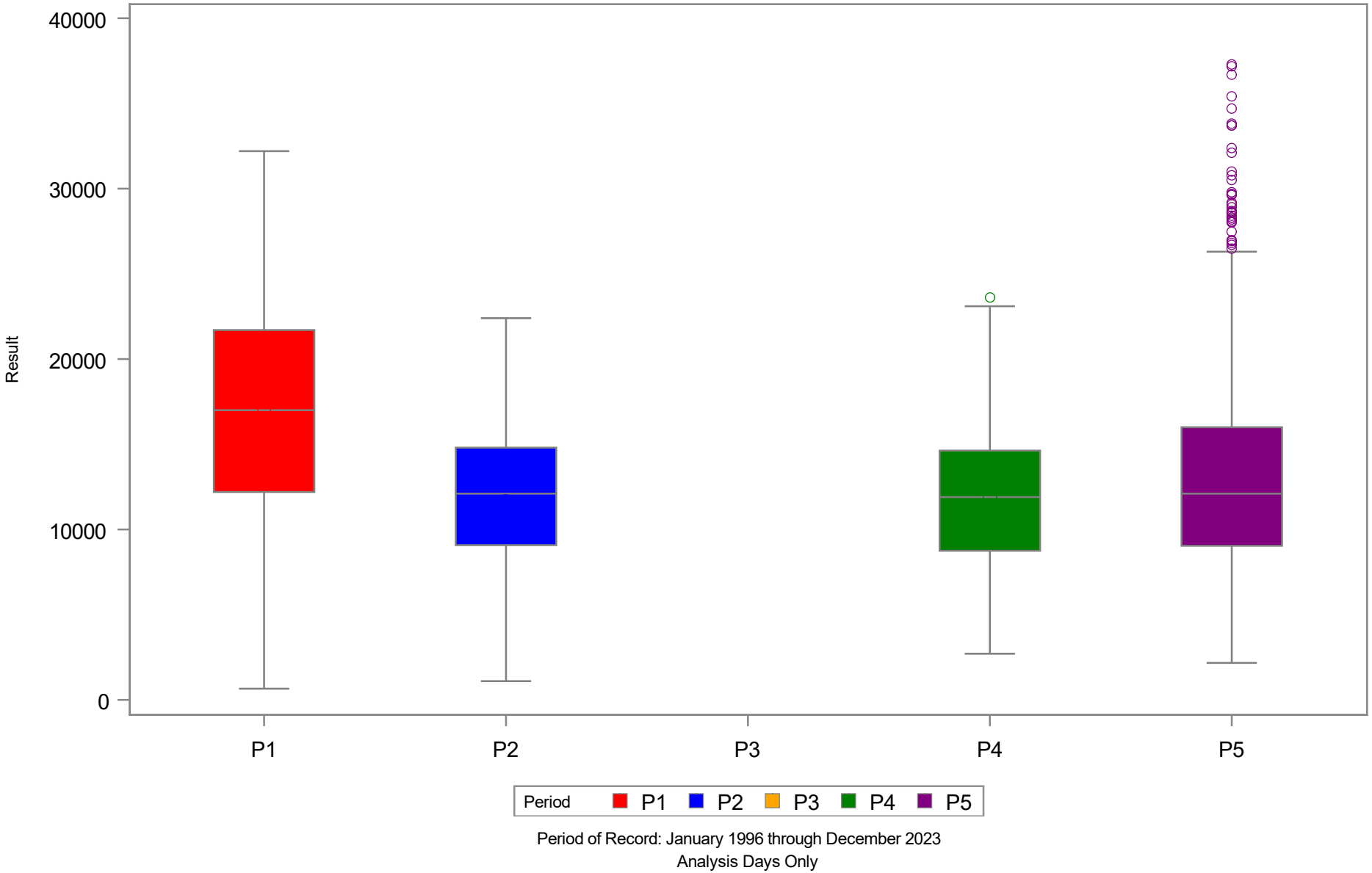
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	707	656.00	12200.00	17102.85	17000.00	21700.00	32200.00
P2	345	1100.00	9080.00	11670.90	12100.00	14800.00	22400.00
P3	0	0	0	0	0	0	0
P4	423	2710.00	8750.00	11881.83	11900.00	14627.08	23600.00
P5	695	2170.00	9040.00	13296.25	12100.00	16000.00	37300.00

Period of Record: January 1996 through December 2023
Analysis Days Only

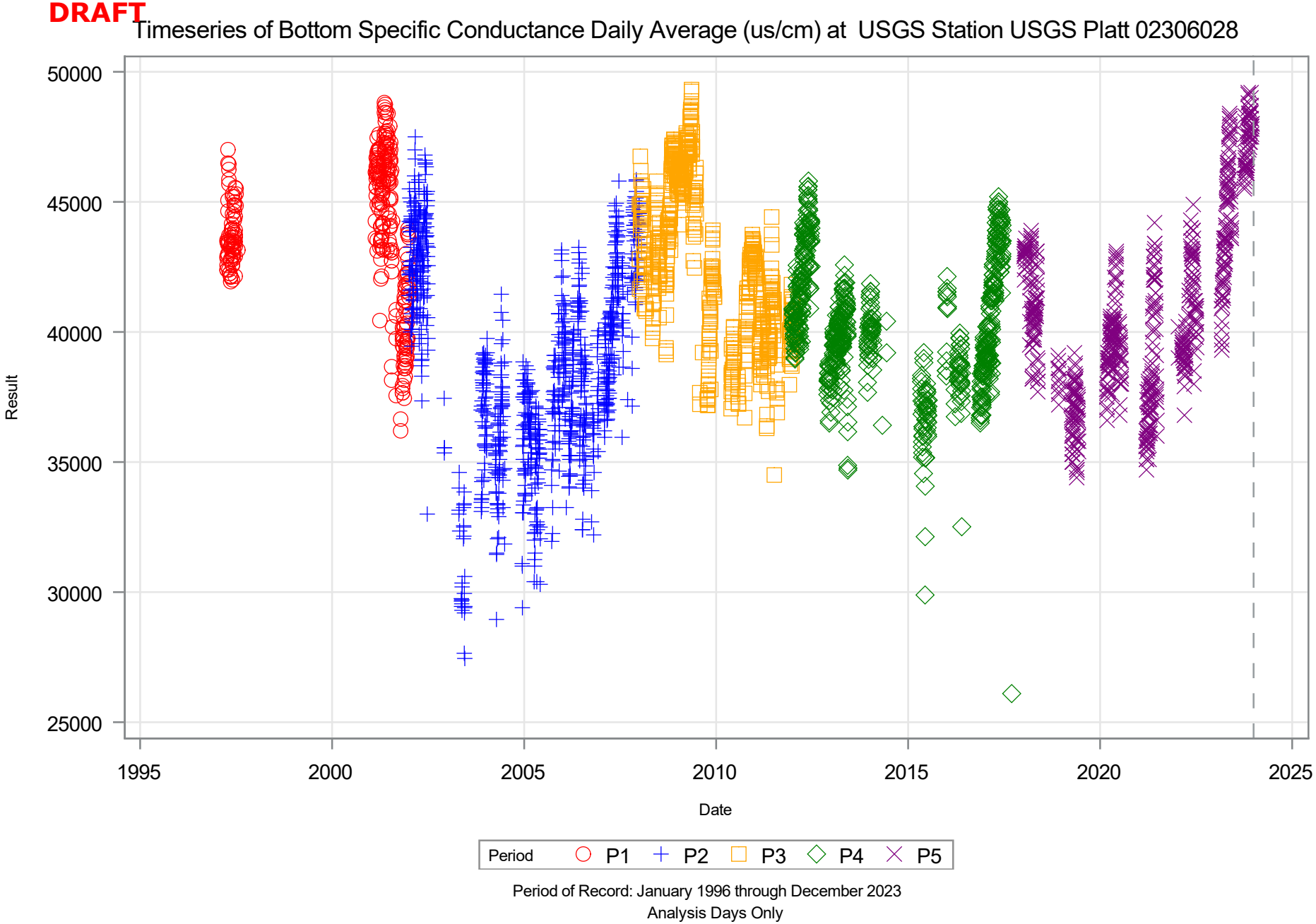
DRAFT

Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS I-275 023060013



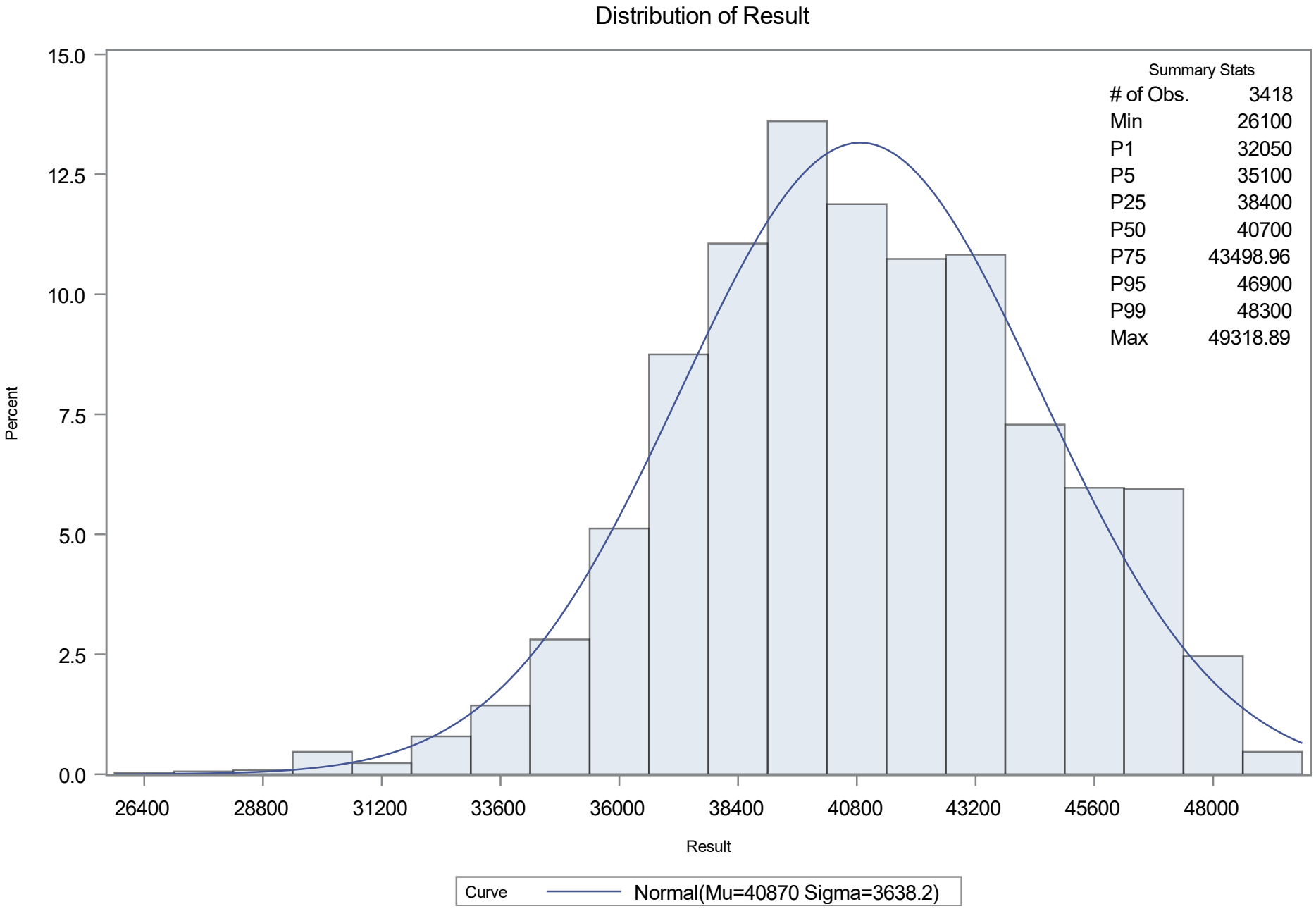
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028
Result
50000
45000
40000
35000
30000
25000
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	40870.27
Std Dev	Sigma	3638.193

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02527164	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.48946516	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.90499191	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	32050.0	32406.6
5.0	35100.0	34886.0
10.0	36400.0	36207.7
25.0	38400.0	38416.3
50.0	40700.0	40870.3
75.0	43499.0	43324.2
90.0	45993.8	45532.8
95.0	46900.0	46854.6
99.0	48300.0	49334.0

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

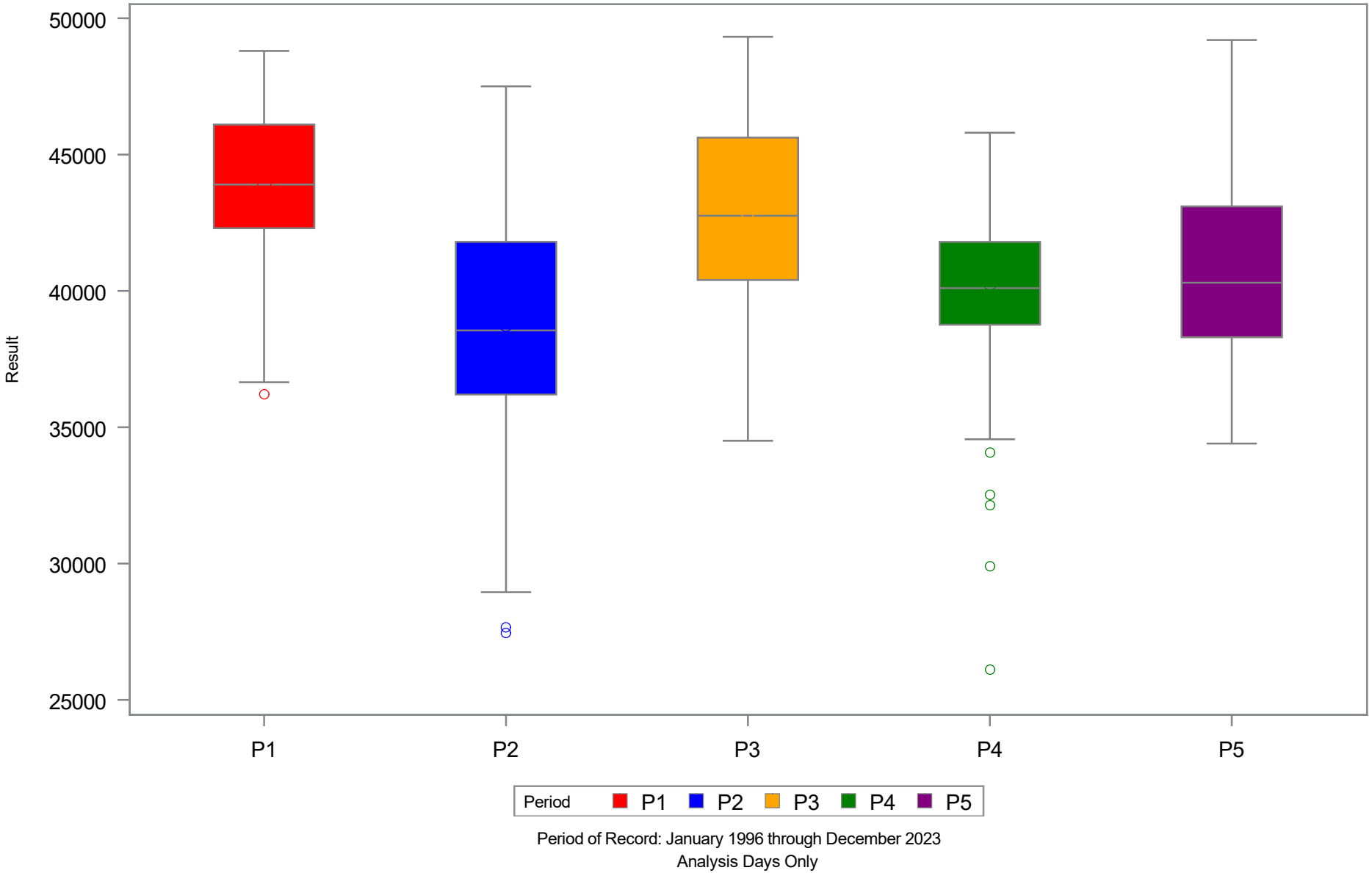
Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	309	36200.00	42300.00	43865.21	43900.00	46100.00	48800.00
P2	973	27450.00	36200.00	38775.33	38550.00	41800.00	47500.00
P3	729	34502.08	40401.04	42880.92	42755.79	45620.83	49318.89
P4	720	26100.00	38760.42	40270.07	40101.04	41798.44	45801.04
P5	687	34400.00	38300.00	40985.71	40300.00	43100.00	49200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

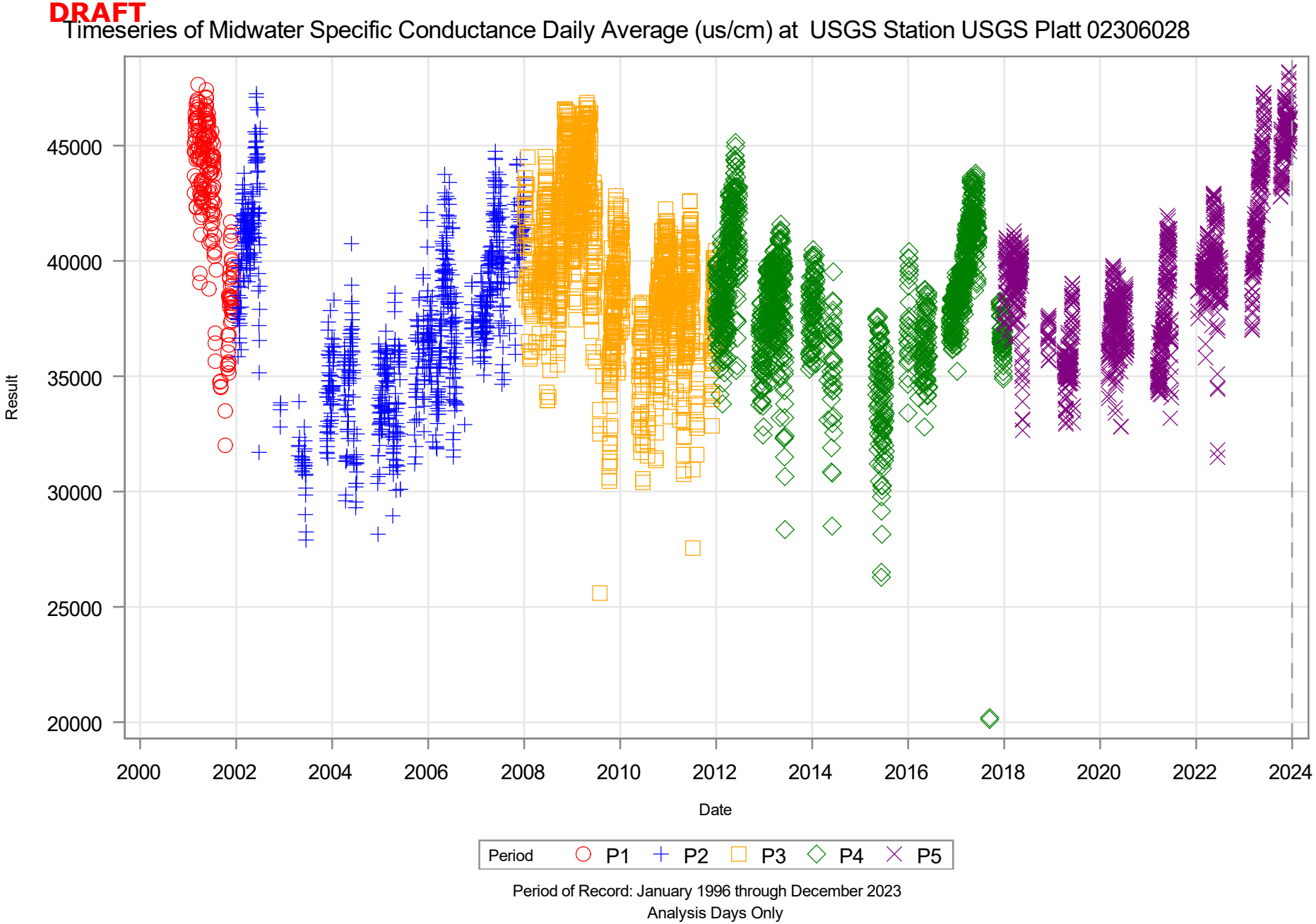
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028



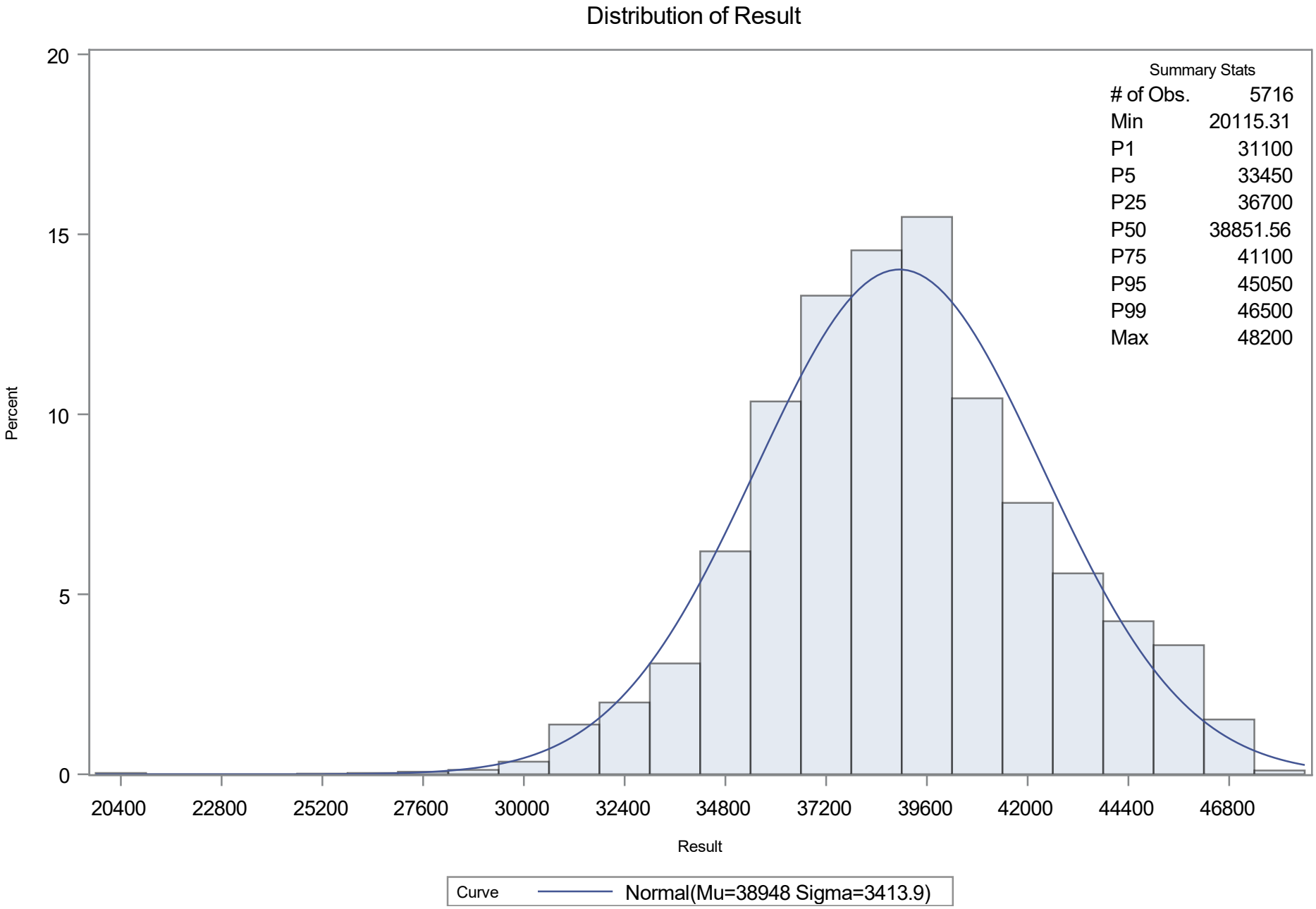
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028
Result
45000
40000
35000
30000
25000
20000
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	38947.97
Std Dev	Sigma	3413.891

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03022403	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.05775088	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.27907892	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	31100.0	31006.1
5.0	33450.0	33332.6
10.0	34850.0	34572.9
25.0	36700.0	36645.3
50.0	38851.6	38948.0
75.0	41100.0	41250.6
90.0	43650.0	43323.1
95.0	45050.0	44563.3
99.0	46500.0	46889.9

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

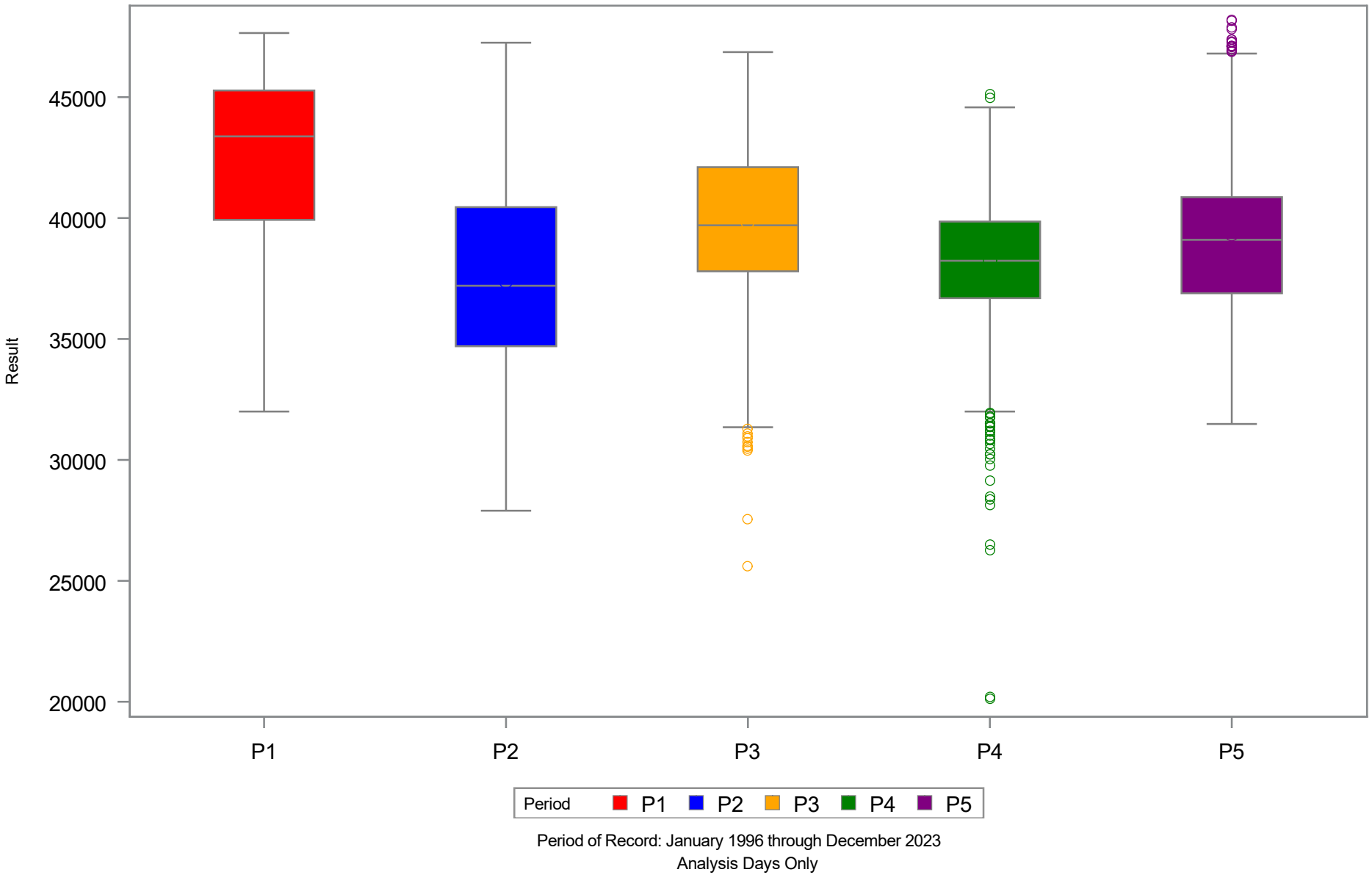
Distributional Statistics by Period for Midwater Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	212	32000.00	39925.00	42508.96	43375.00	45275.00	47650.00
P2	1010	27900.00	34700.00	37406.53	37200.00	40450.00	47250.00
P3	1546	25600.00	37800.00	39853.61	39700.00	42104.17	46861.46
P4	1567	20115.31	36687.50	38228.15	38234.38	39854.17	45131.25
P5	1381	31485.42	36890.63	39331.58	39100.00	40863.54	48200.00

Period of Record: January 1996 through December 2023
Analysis Days Only

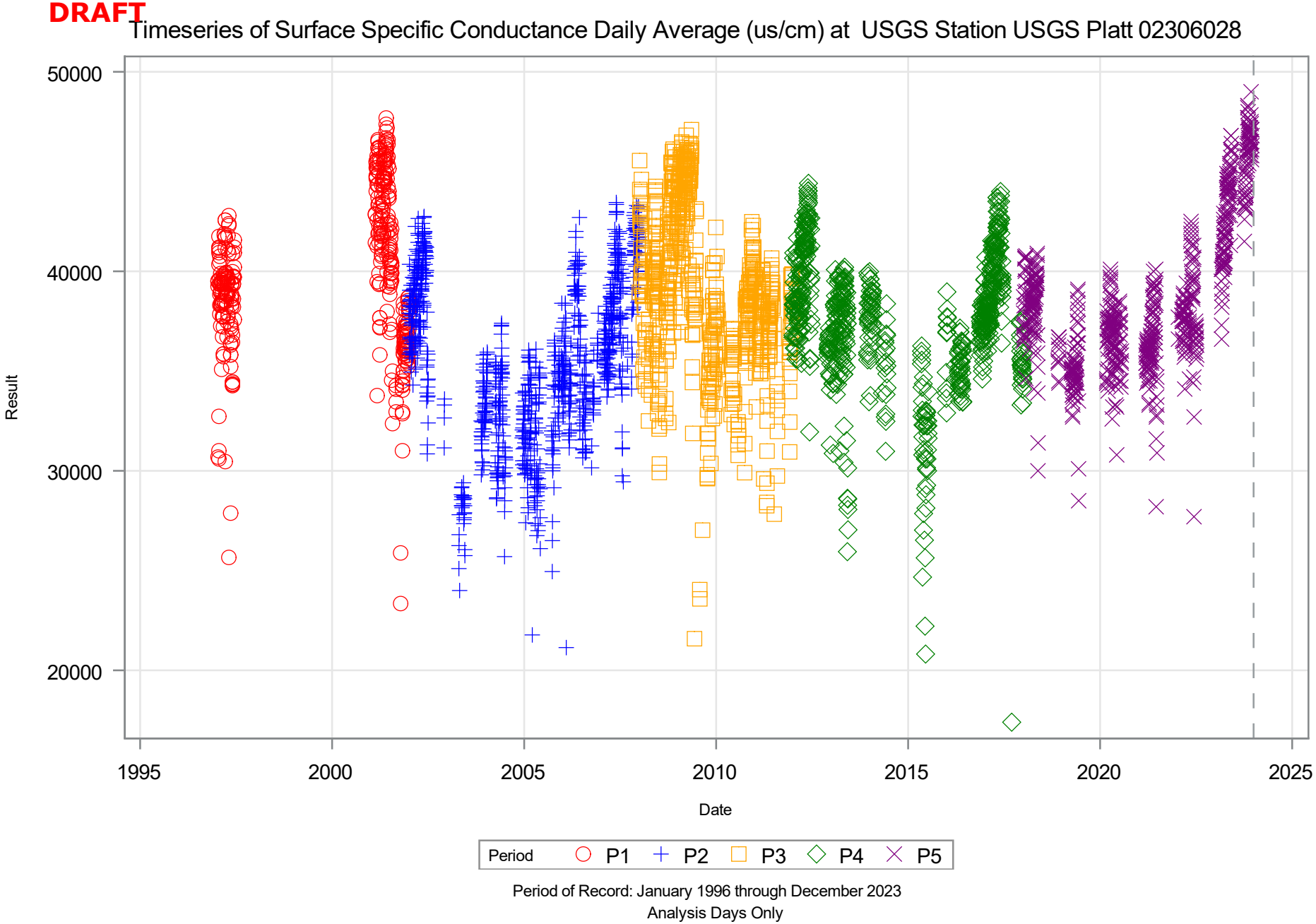
DRAFT

Boxplot by MFL Period for Midwater Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028



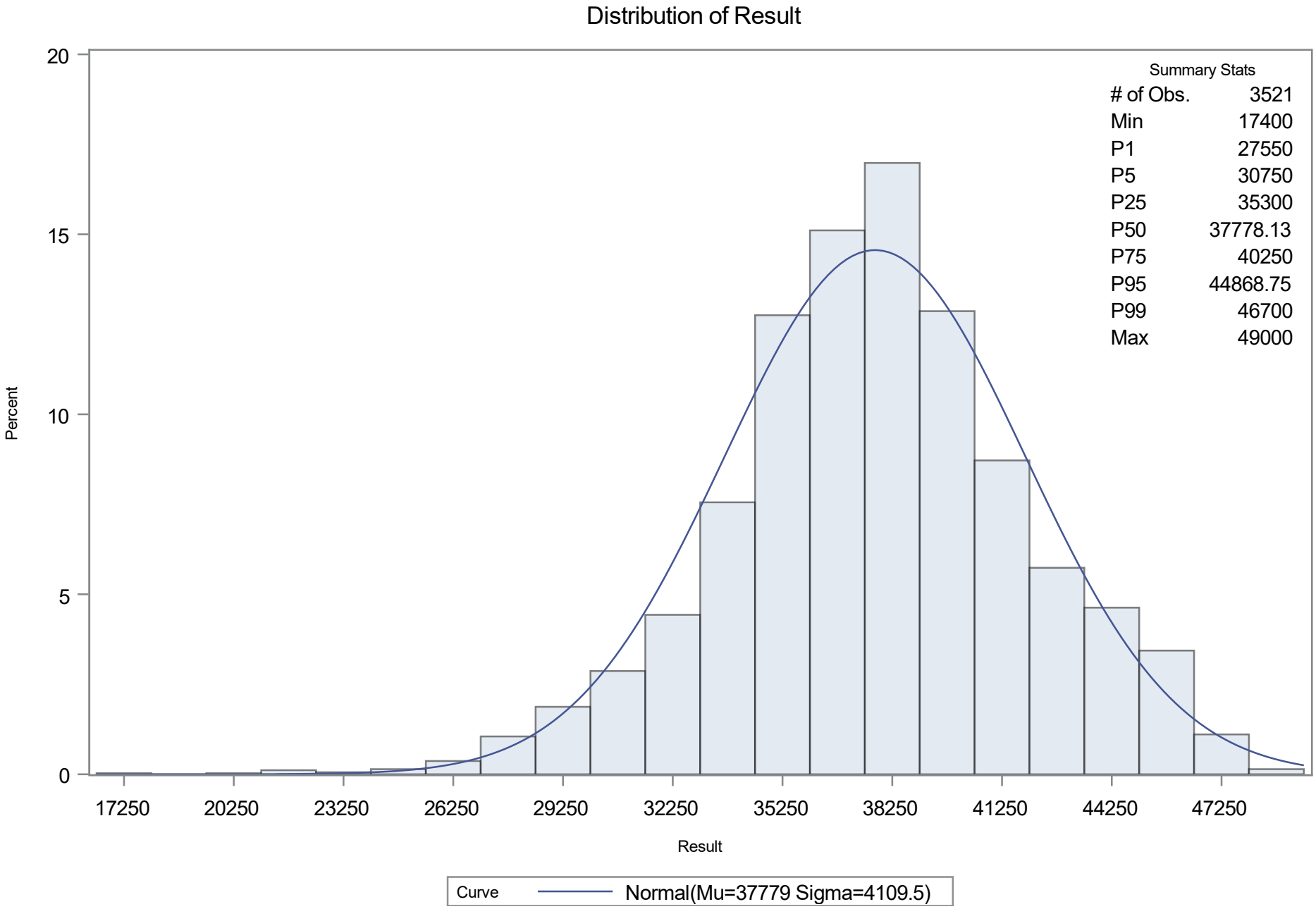
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028
50000
40000
30000
20000
Result
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	37778.6
Std Dev	Sigma	4109.532

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03028726	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.87927435	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.69582651	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	27550.0	28218.4
5.0	30750.0	31019.0
10.0	32750.0	32512.0
25.0	35300.0	35006.8
50.0	37778.1	37778.6
75.0	40250.0	40550.4
90.0	43200.0	43045.2
95.0	44868.8	44538.2
99.0	46700.0	47338.8

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

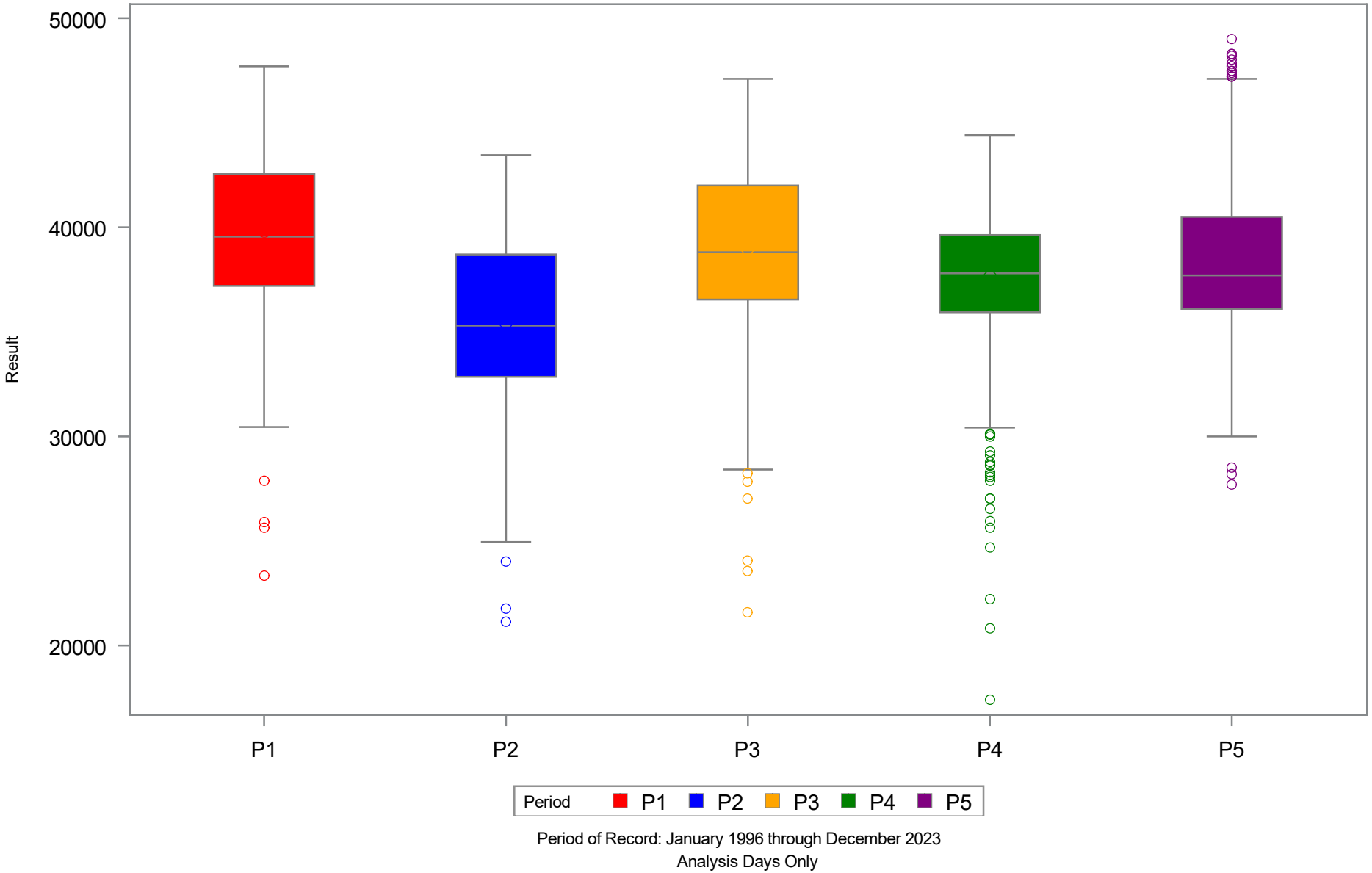
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	365	23325.00	37200.00	39854.59	39550.00	42550.00	47700.00
P2	965	21140.00	32850.00	35494.78	35300.00	38700.00	43450.00
P3	766	21584.62	36542.71	39036.06	38807.29	41994.79	47100.00
P4	731	17400.00	35939.58	37583.95	37800.00	39627.08	44412.50
P5	694	27700.00	36100.00	38679.47	37700.00	40500.00	49000.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

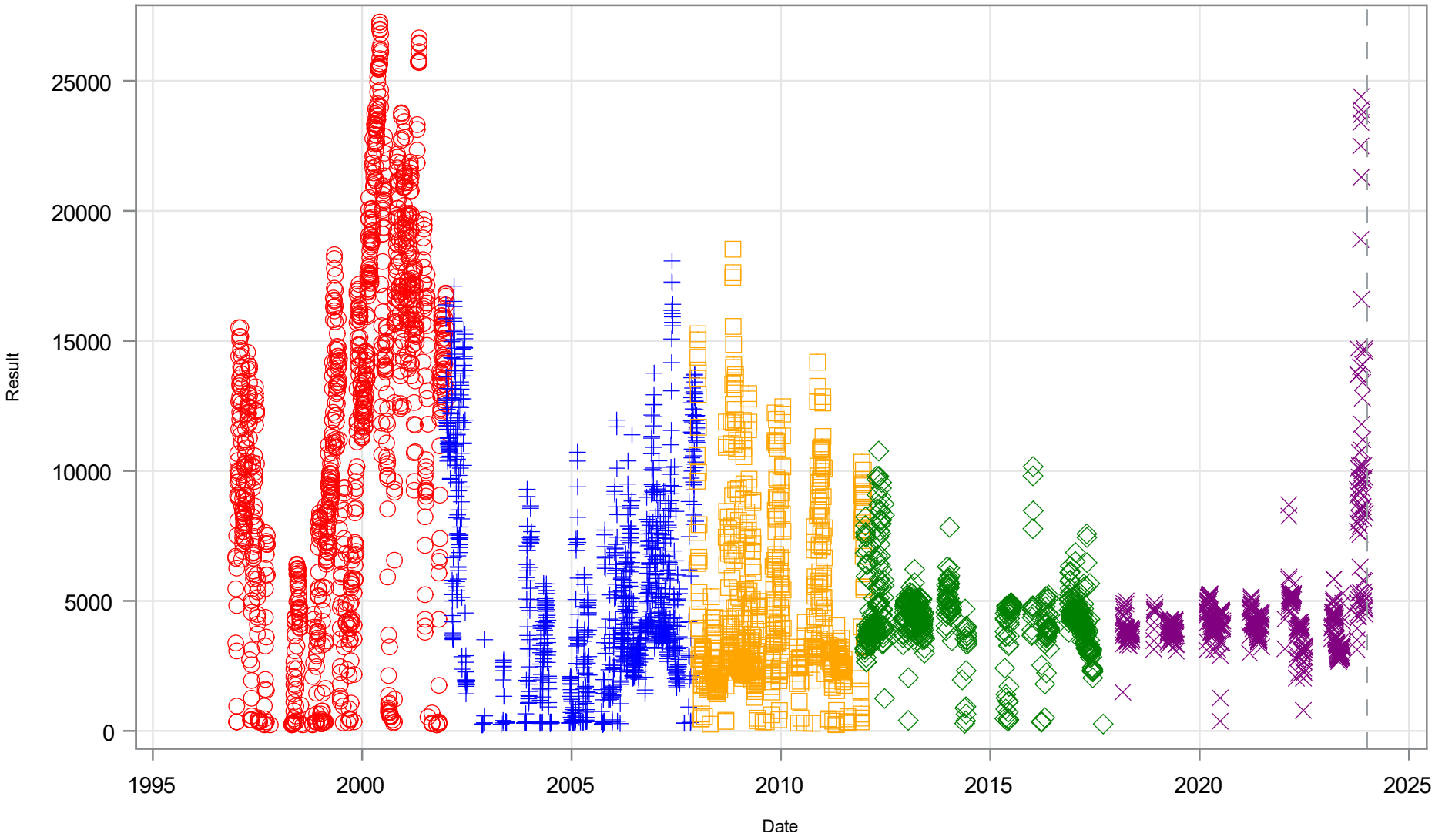
Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Platt 02306028



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

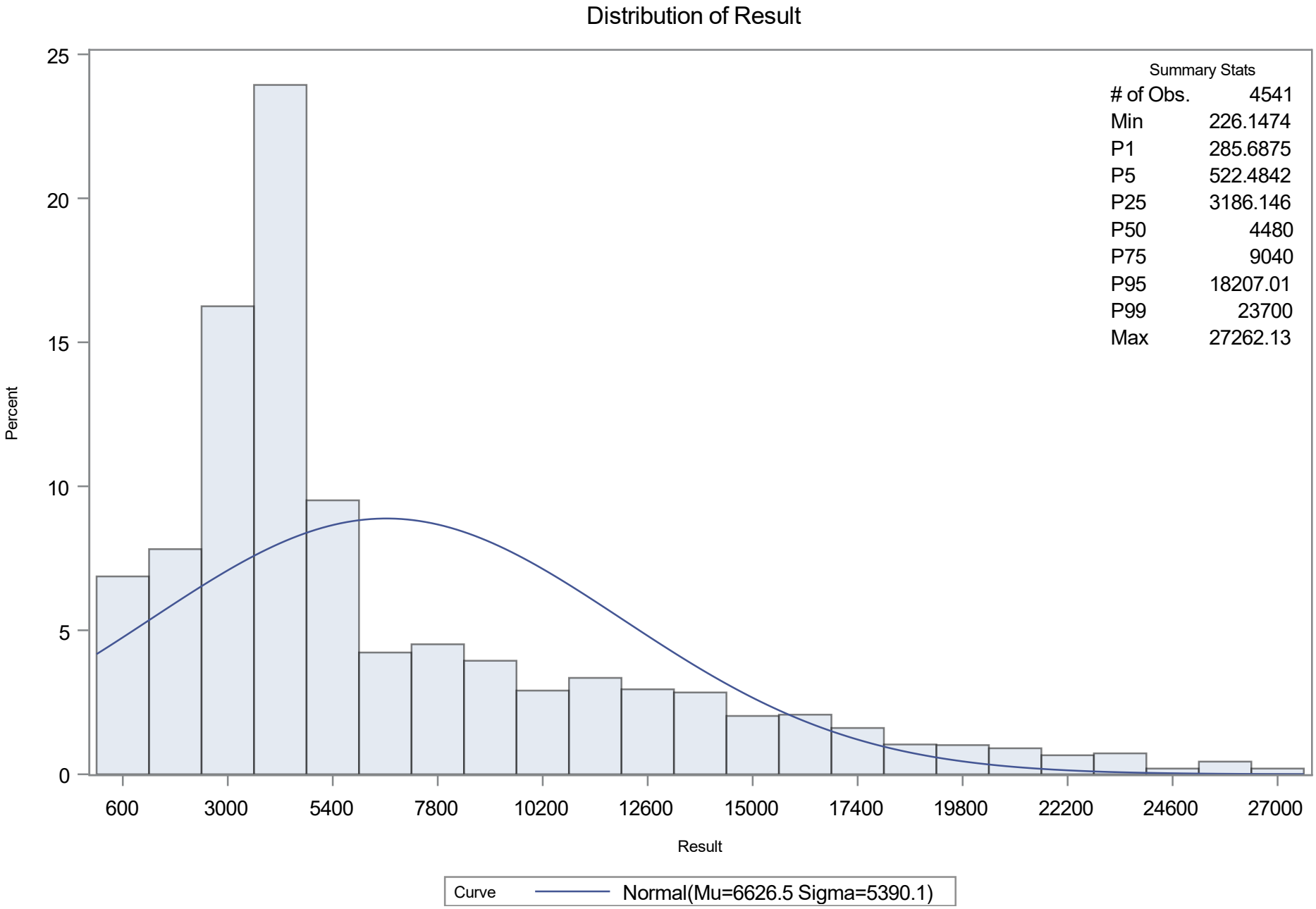
Timeseries of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6626.46
Std Dev	Sigma	5390.062

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.207193	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	48.293481	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	255.091590	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	285.688	-5912.700
5.0	522.484	-2239.403
10.0	1915.833	-281.183
25.0	3186.146	2990.918
50.0	4480.000	6626.460
75.0	9040.000	10262.002
90.0	14861.458	13534.103
95.0	18207.011	15492.323
99.0	23700.000	19165.620

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

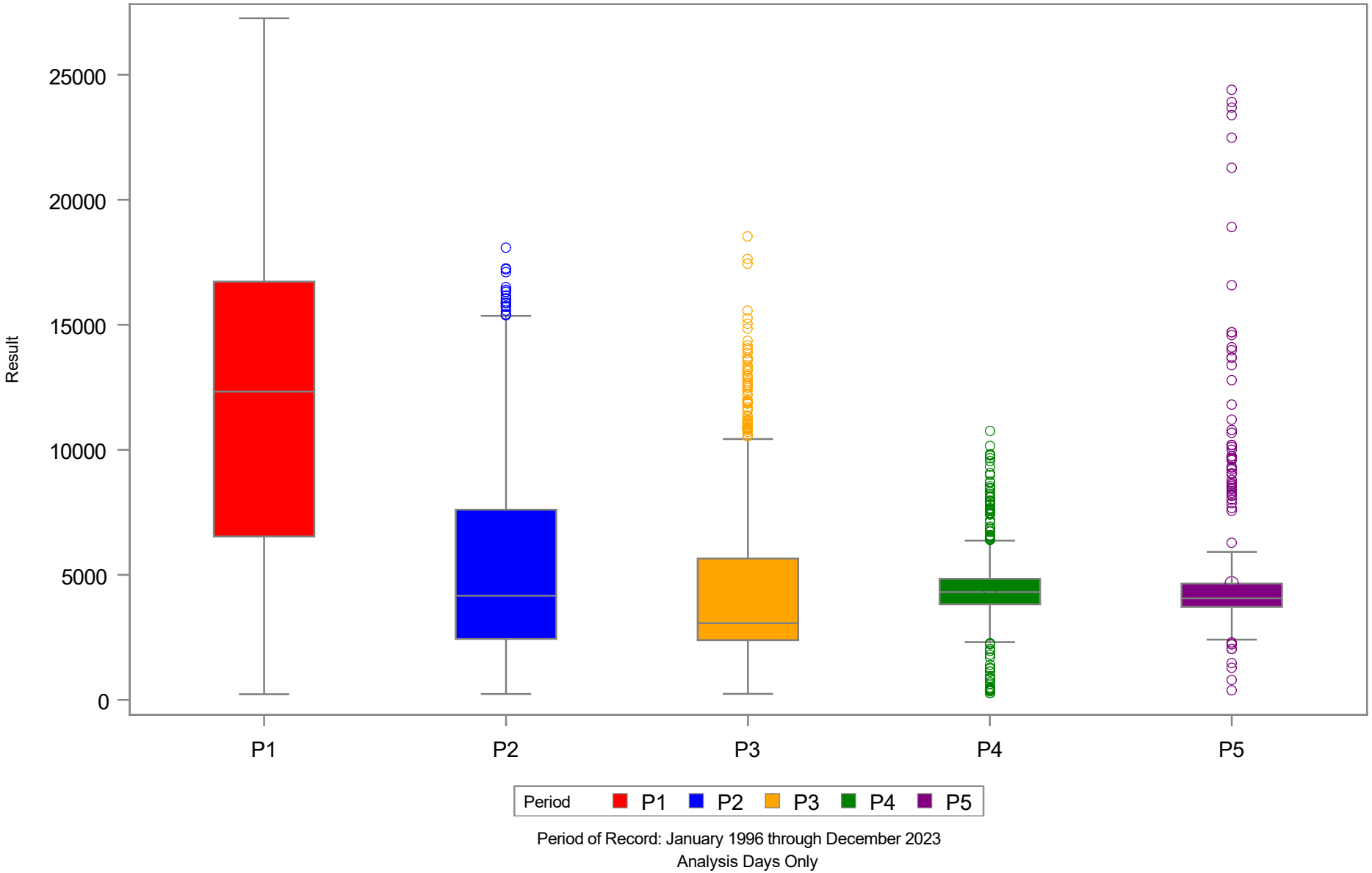
Distributional Statistics by Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1185	226.15	6535.36	11810.86	12330.50	16728.18	27262.13
P2	1118	234.87	2437.11	5397.46	4166.58	7605.98	18075.79
P3	825	240.13	2388.13	4441.73	3067.40	5651.04	18527.08
P4	747	266.00	3823.96	4409.05	4310.00	4843.23	10760.63
P5	666	374.00	3720.00	4658.47	4060.00	4650.00	24400.00

Period of Record: January 1996 through December 2023
Analysis Days Only

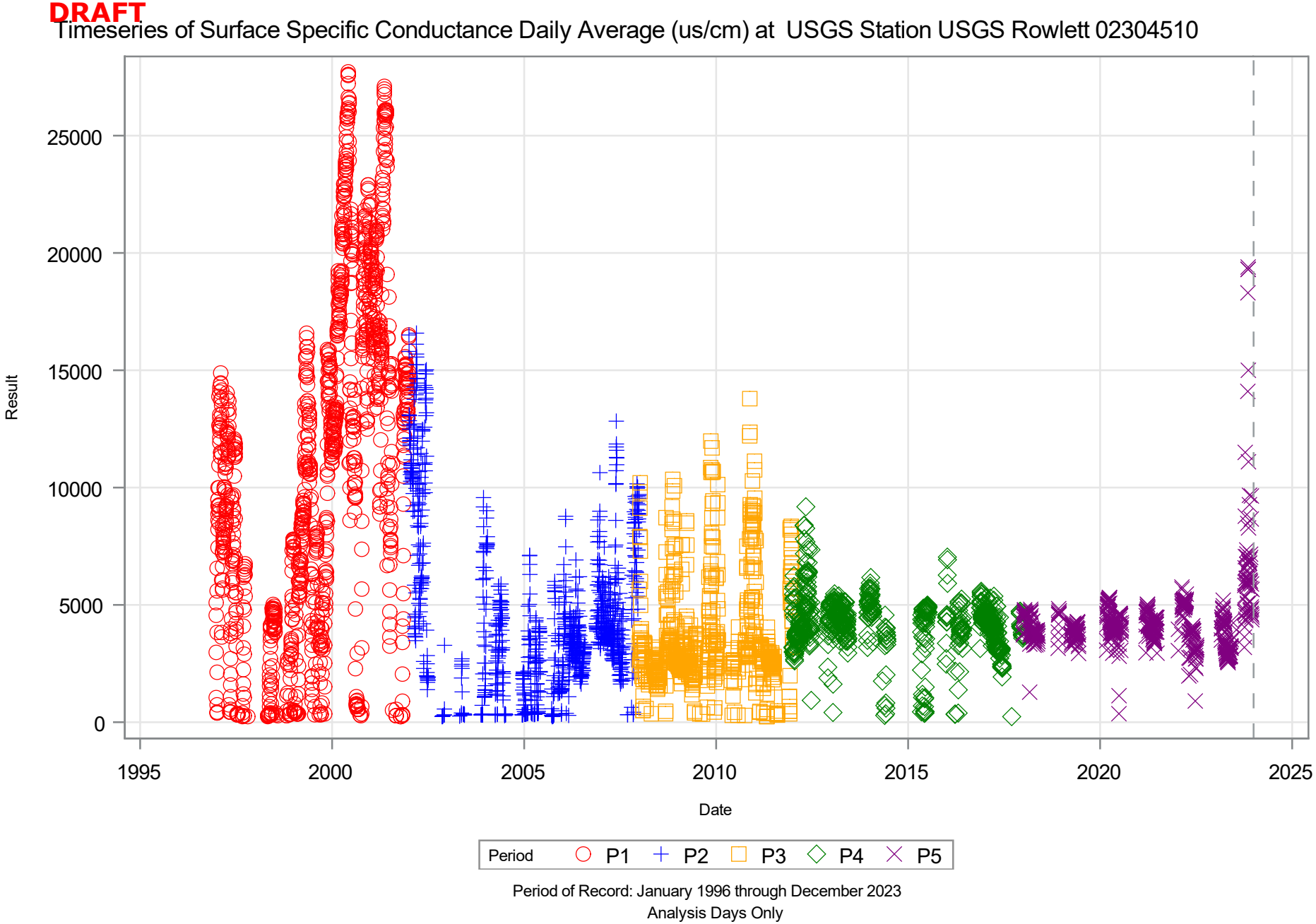
DRAFT

Boxplot by MFL Period for Bottom Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510



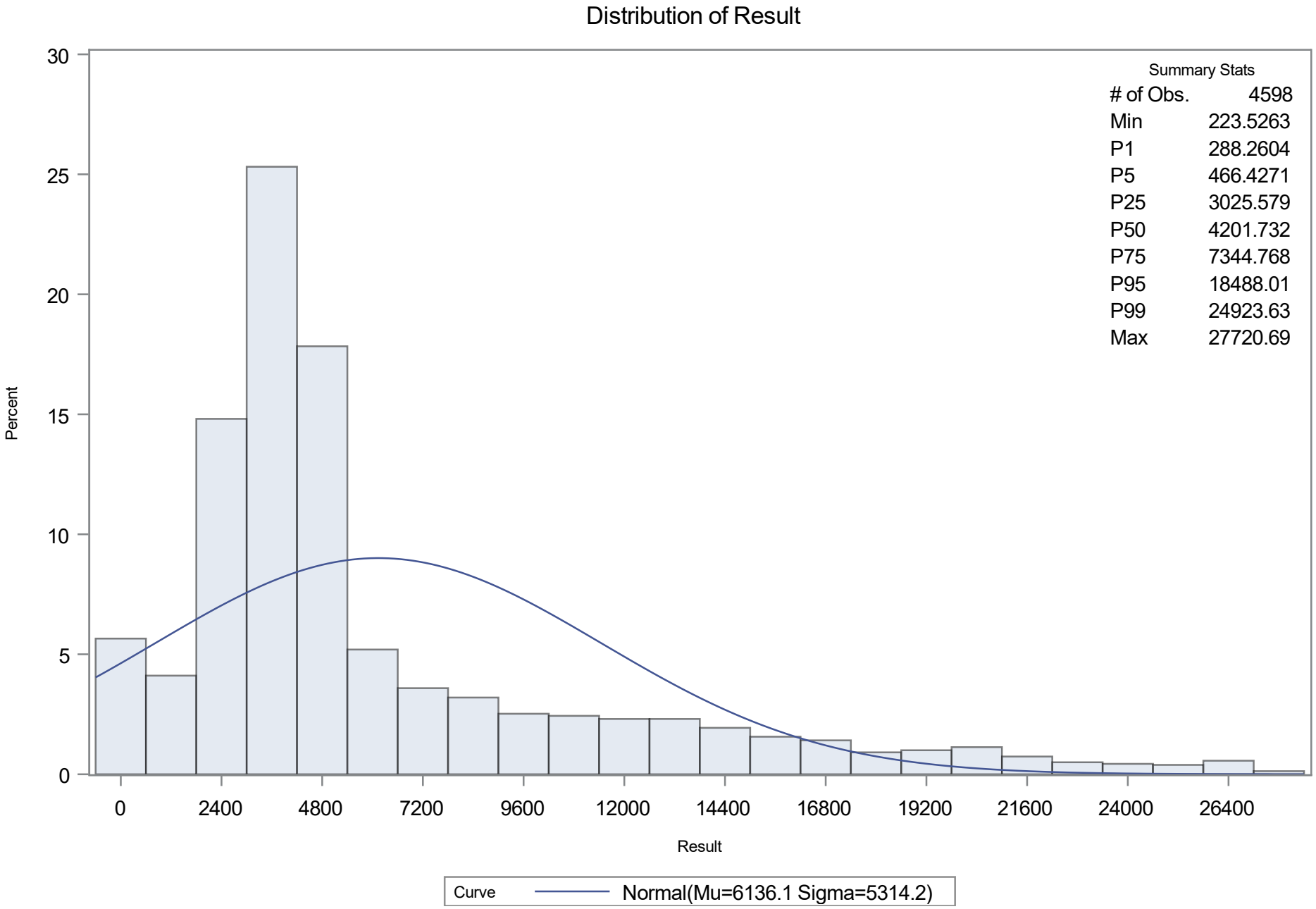
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510
Result
25000
20000
15000
10000
5000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6136.089
Std Dev	Sigma	5314.217

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.233764	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	65.871736	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	343.412512	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	288.260	-6226.627
5.0	466.427	-2605.019
10.0	1824.375	-674.353
25.0	3025.579	2551.705
50.0	4201.732	6136.089
75.0	7344.768	9720.474
90.0	14283.158	12946.532
95.0	18488.011	14877.198
99.0	24923.632	18498.806

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

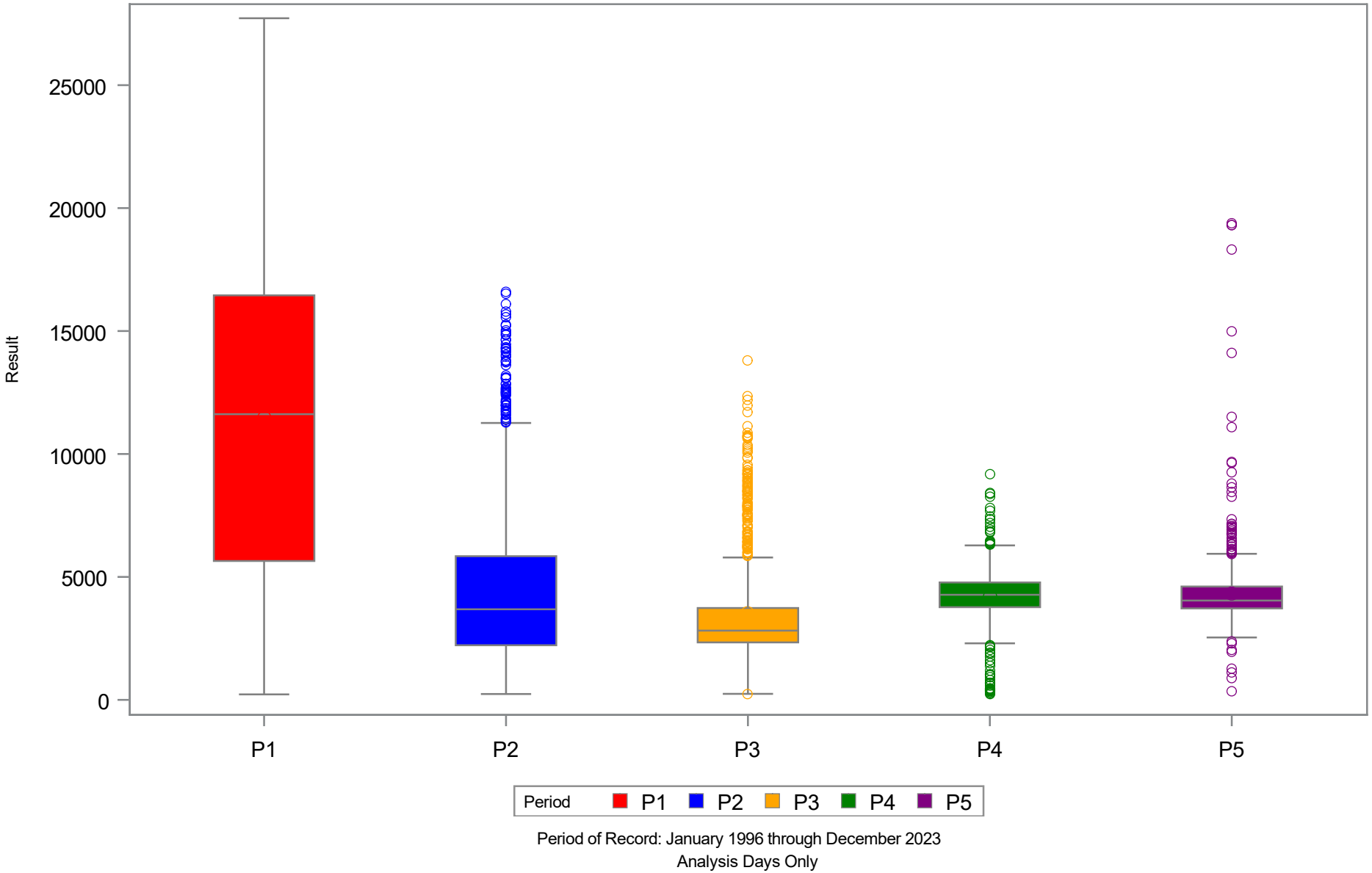
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1242	223.53	5648.82	11459.40	11618.71	16450.91	27720.69
P2	1054	238.11	2222.00	4518.27	3684.33	5843.58	16582.11
P3	822	237.15	2337.60	3541.10	2816.25	3735.42	13789.58
P4	785	238.00	3770.73	4221.98	4273.96	4775.31	9182.81
P5	695	362.00	3720.00	4307.73	4040.00	4610.00	19400.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

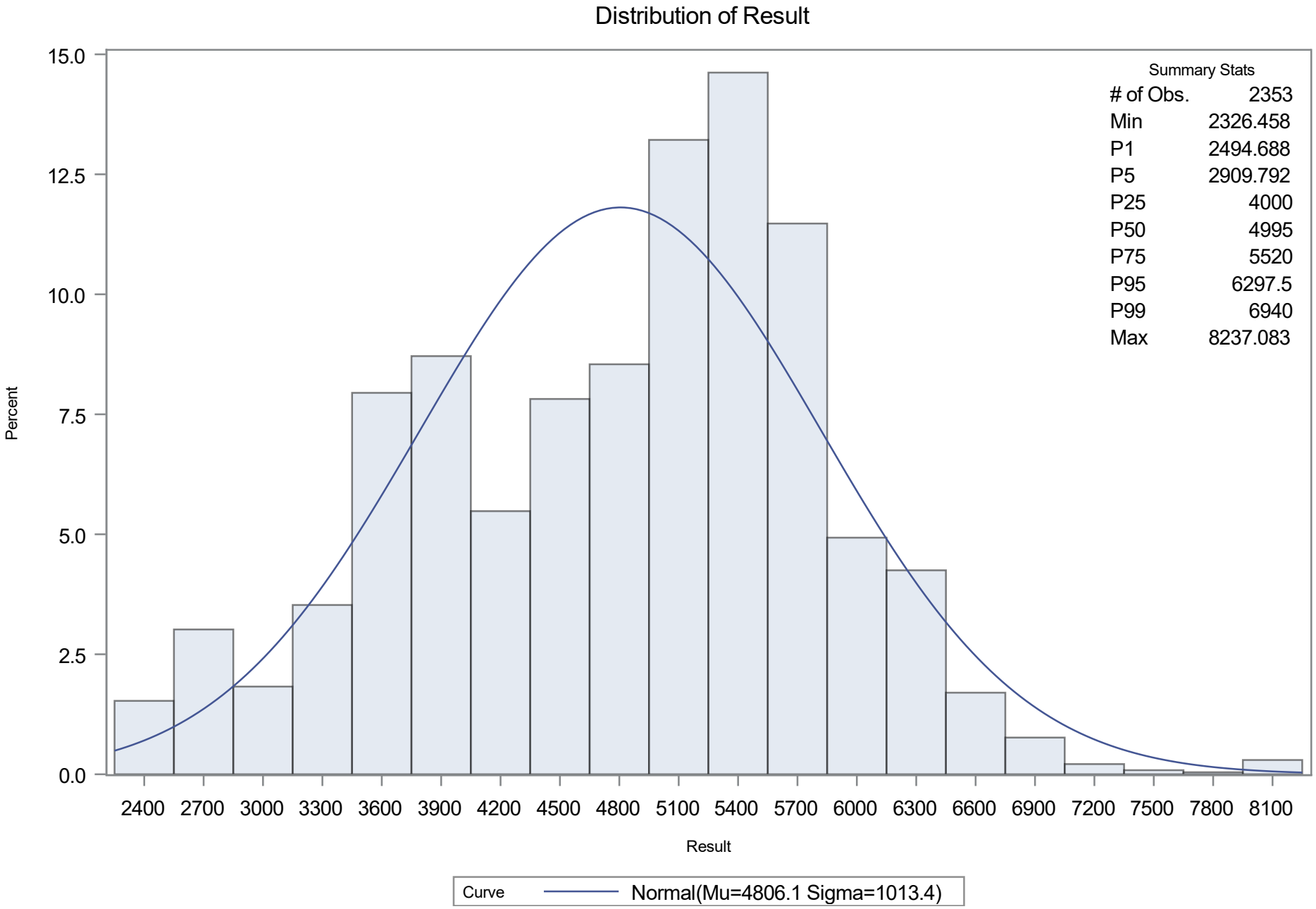
DRAFT

Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphr Springs Pool 02306000

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphr Springs Pool 02306000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphr Springs Pool 02306000

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4806.106
Std Dev	Sigma	1013.376

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0840132	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.6129213	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	18.6598909	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2494.69	2448.64
5.0	2909.79	3139.25
10.0	3453.13	3507.41
25.0	4000.00	4122.59
50.0	4995.00	4806.11
75.0	5520.00	5489.62
90.0	5980.00	6104.80
95.0	6297.50	6472.96
99.0	6940.00	7163.57

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

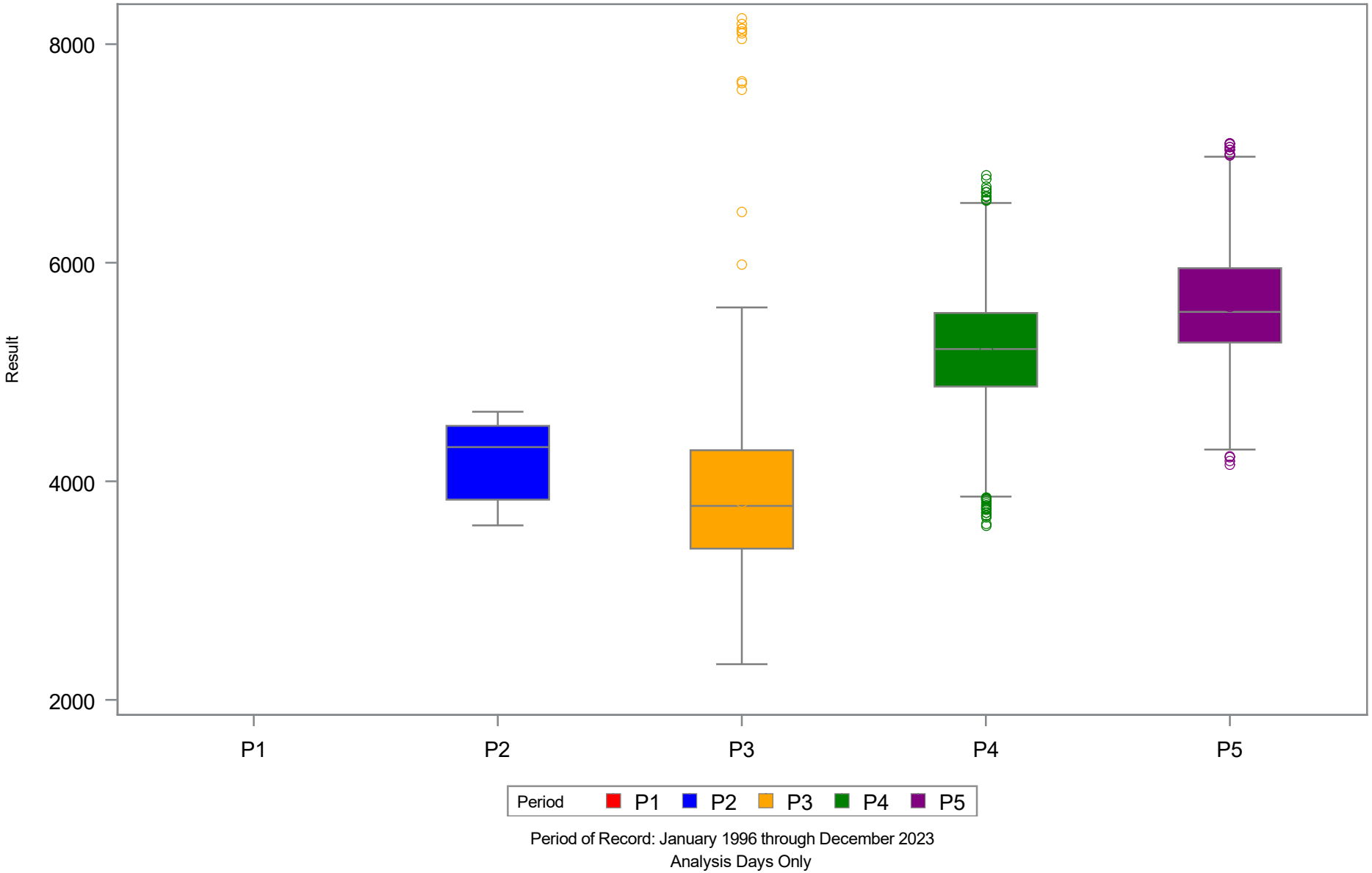
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphr Springs Pool 02306000

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	66	3596.46	3832.08	4193.85	4312.97	4507.60	4636.35
P3	828	2326.46	3383.96	3820.43	3774.84	4284.43	8237.08
P4	765	3590.00	4867.37	5193.00	5210.00	5540.00	6801.88
P5	694	4150.00	5270.00	5613.85	5550.00	5950.00	7090.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

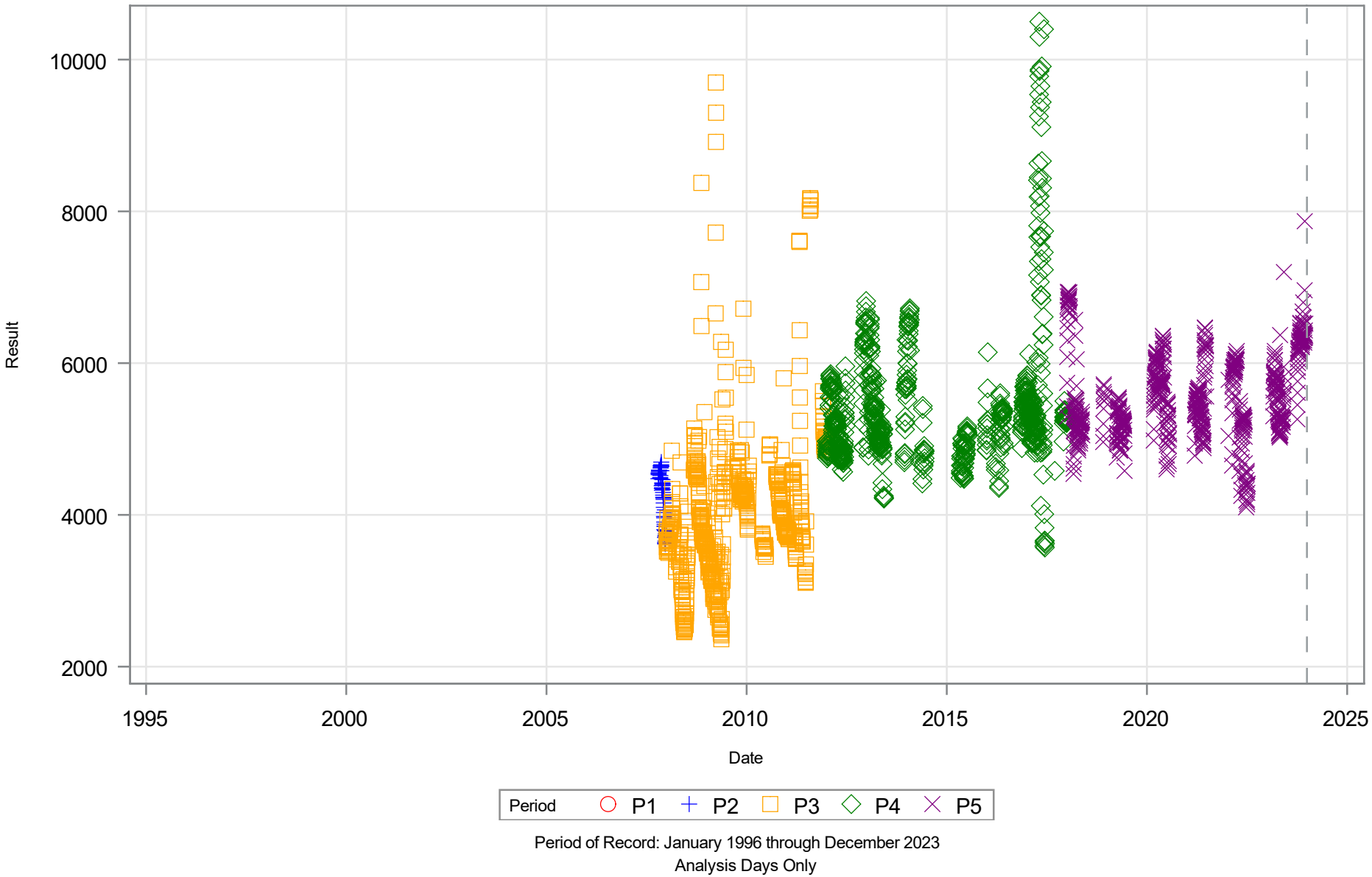
Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphr Springs Pool 02306000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

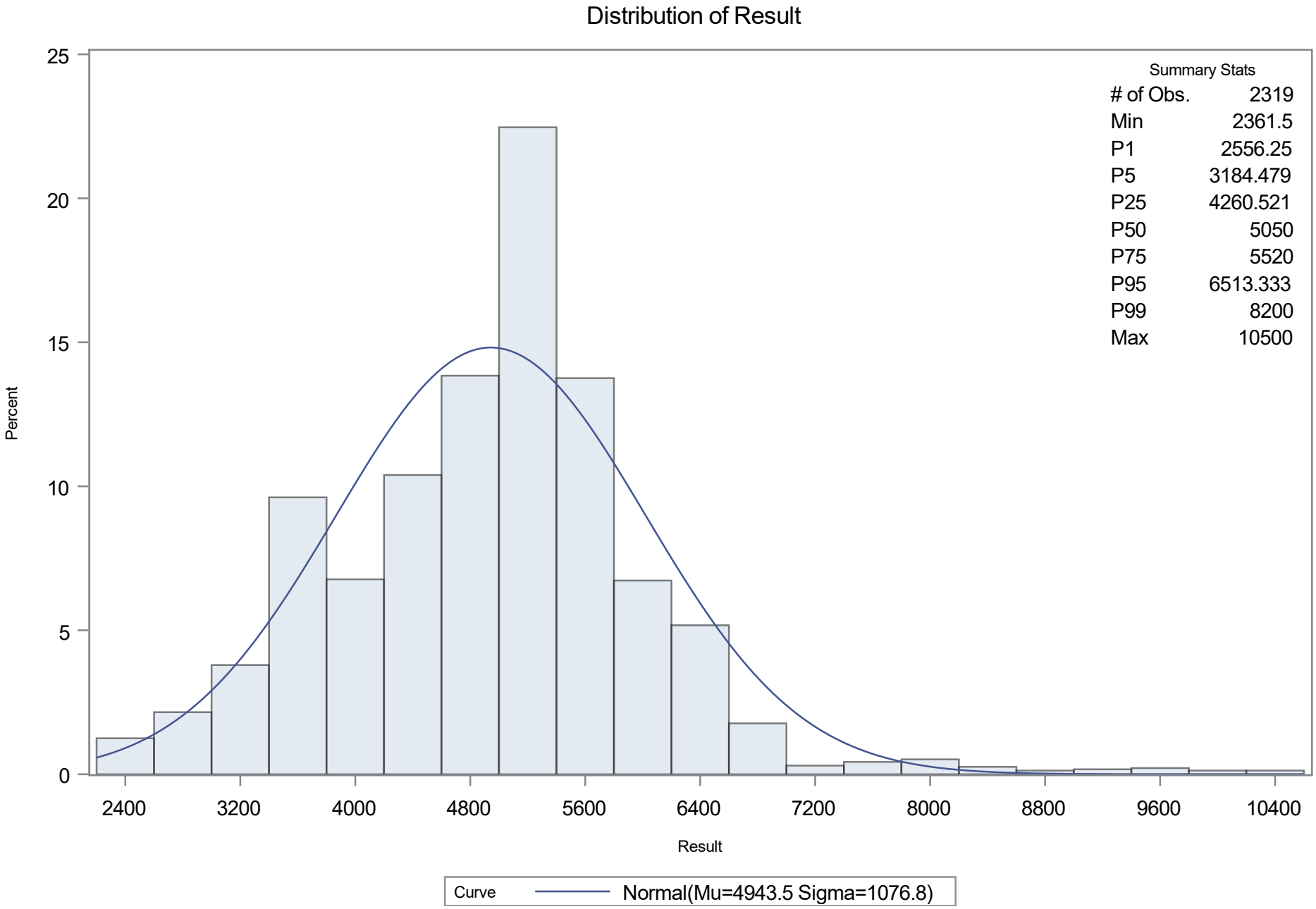
Timeseries of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphur Springs Run 023060003



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphur Springs Run 023060003



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphur Springs Run 023060003

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4943.534
Std Dev	Sigma	1076.783

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0611380	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.5742613	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	15.1575243	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2556.25	2438.56
5.0	3184.48	3172.38
10.0	3574.17	3563.58
25.0	4260.52	4217.25
50.0	5050.00	4943.53
75.0	5520.00	5669.81
90.0	6154.27	6323.49
95.0	6513.33	6714.68
99.0	8200.00	7448.51

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

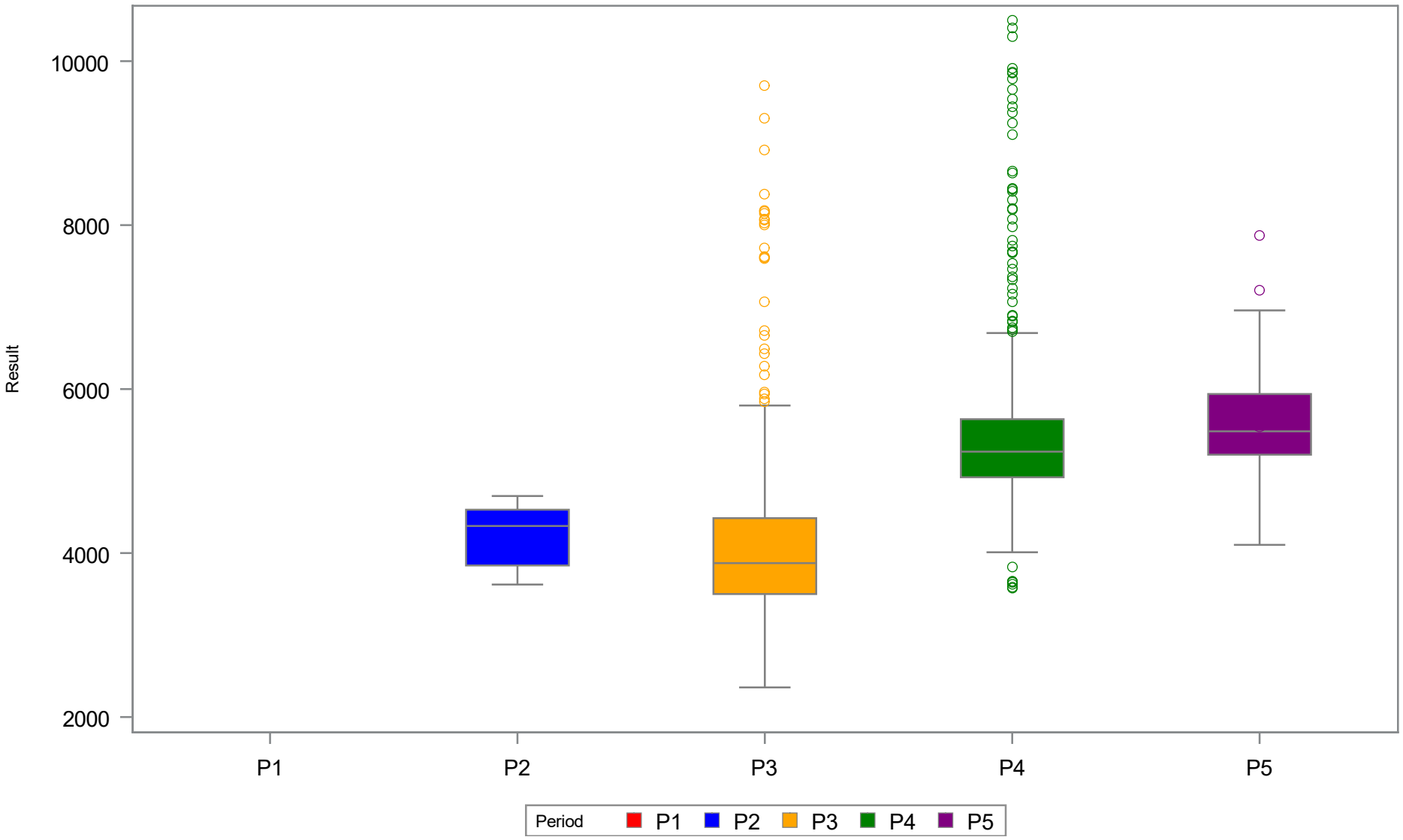
Distributional Statistics by Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphur Springs Run 023060003

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	66	3616.04	3849.17	4216.43	4330.26	4528.75	4695.73
P3	790	2361.50	3500.31	3993.96	3877.45	4425.73	9697.81
P4	767	3570.00	4924.68	5420.64	5237.08	5632.60	10500.00
P5	696	4100.00	5200.00	5564.54	5485.00	5940.00	7870.00

Period of Record: January 1996 through December 2023
Analysis Days Only

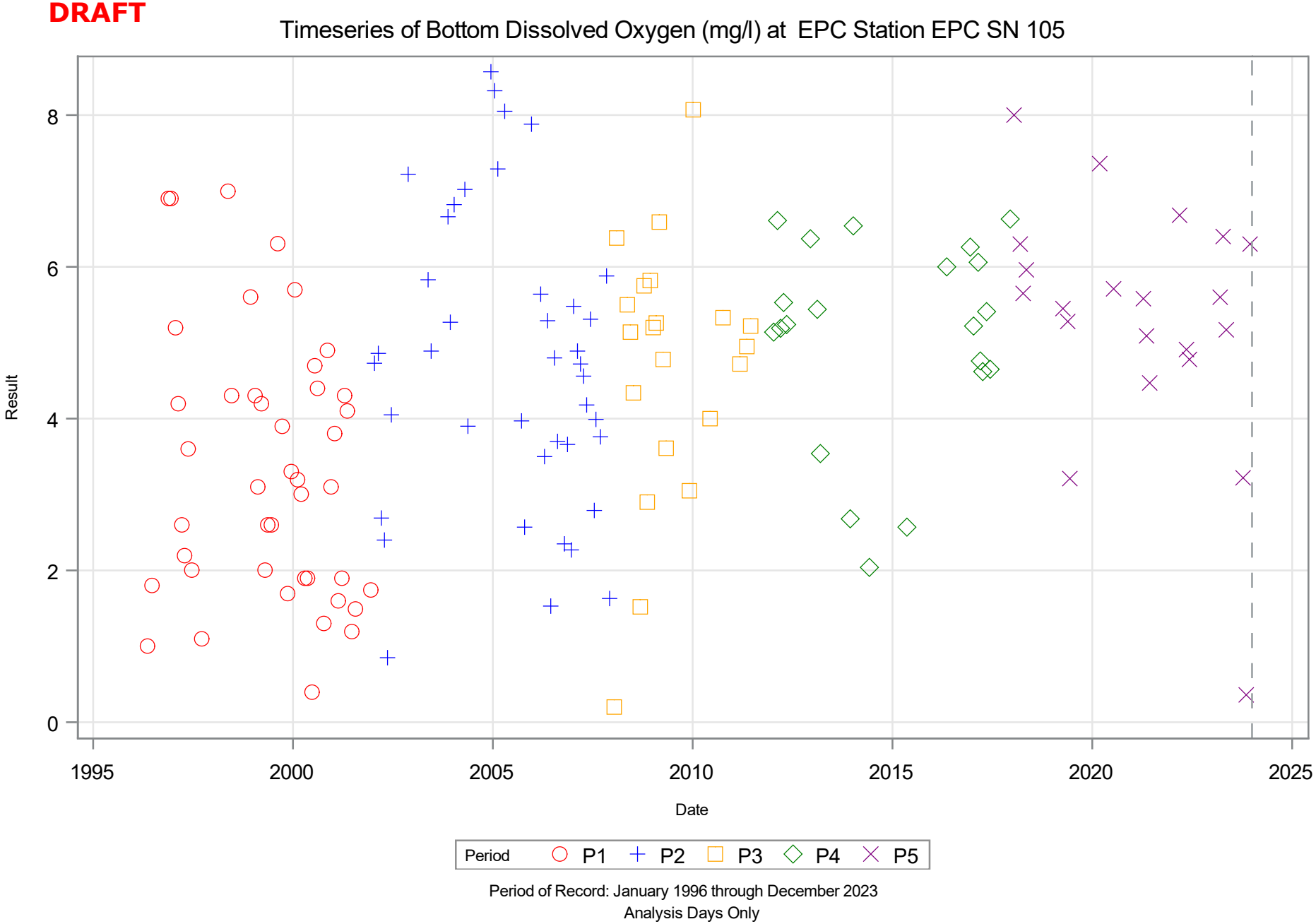
DRAFT

Boxplot by MFL Period for Surface Specific Conductance Daily Average (us/cm) at USGS Station USGS Sulphur Springs Run 023060003



Period of Record: January 1996 through December 2023
Analysis Days Only

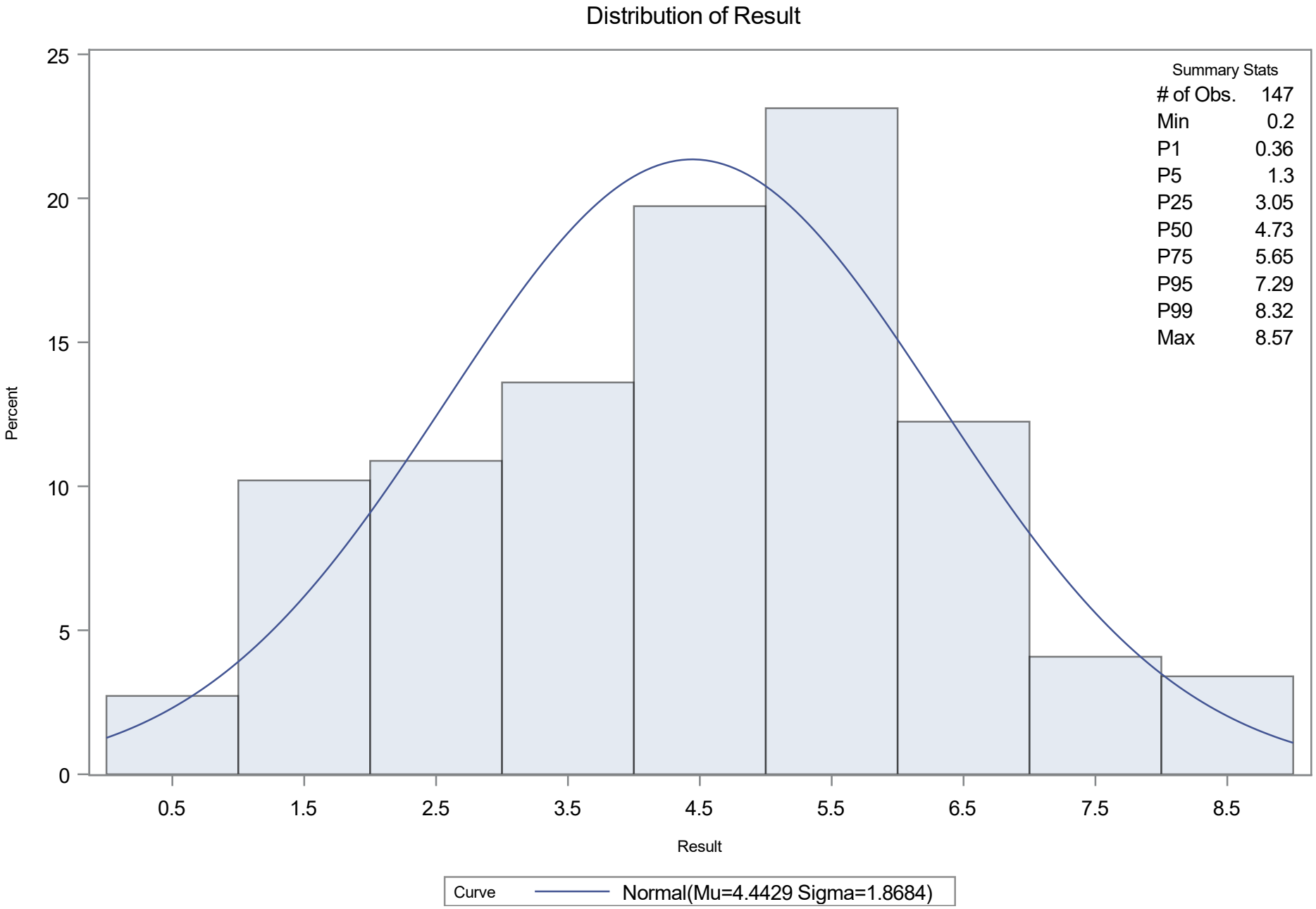
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.442925
Std Dev	Sigma	1.868406

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07852746	**Pr > D**	0.025
Cramer-von Mises	**W-Sq**	0.14987756	**Pr > W-Sq**	0.024
Anderson-Darling	**A-Sq**	0.81808635	**Pr > A-Sq**	0.035

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.36000	0.09636
5.0	1.30000	1.36967
10.0	1.74000	2.04847
25.0	3.05000	3.18270
50.0	4.73000	4.44293
75.0	5.65000	5.70315
90.0	6.68000	6.83738
95.0	7.29000	7.51618
99.0	8.32000	8.78949

Period of Record: January 1996 through December 2023
Analysis Days Only

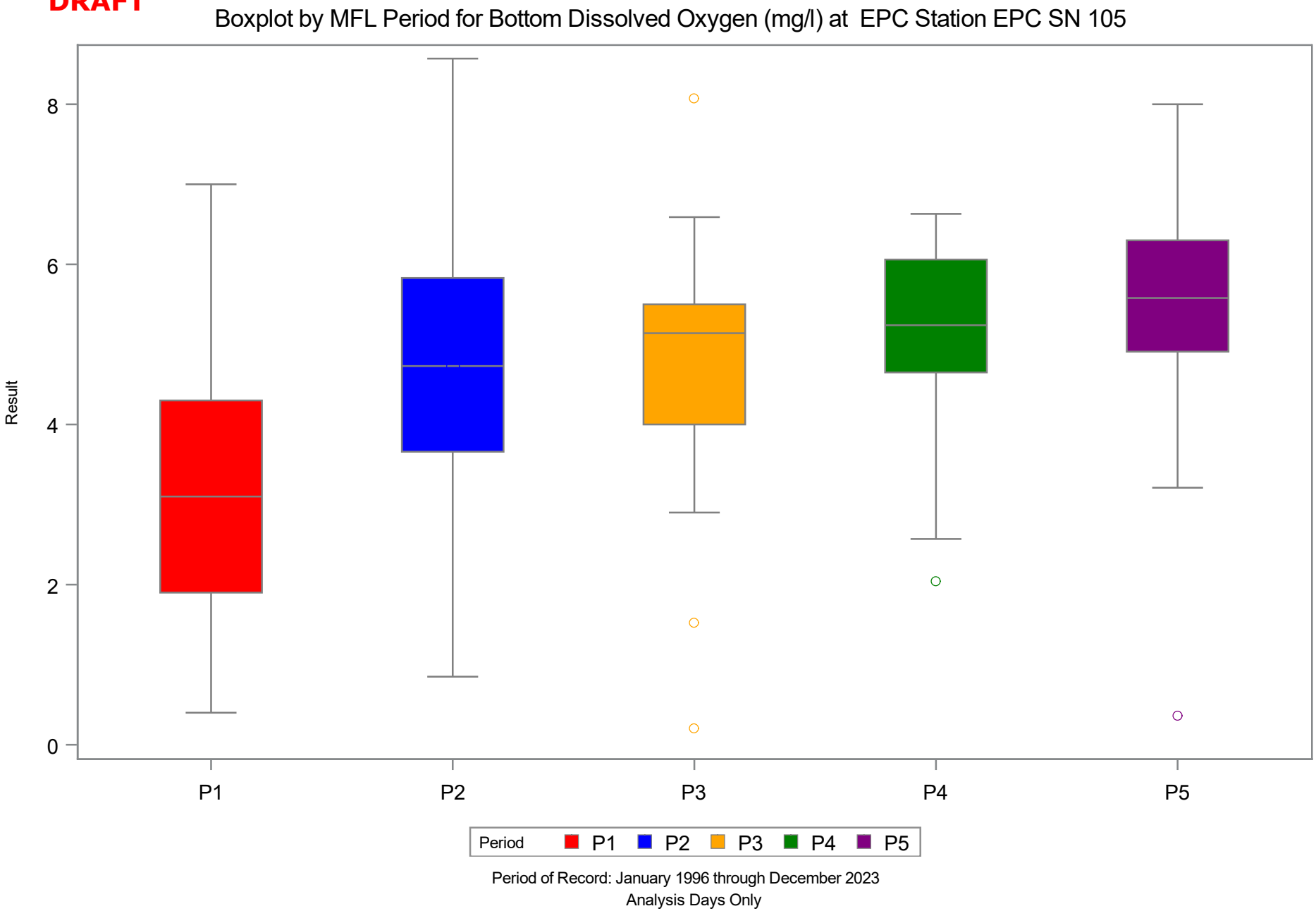
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 105

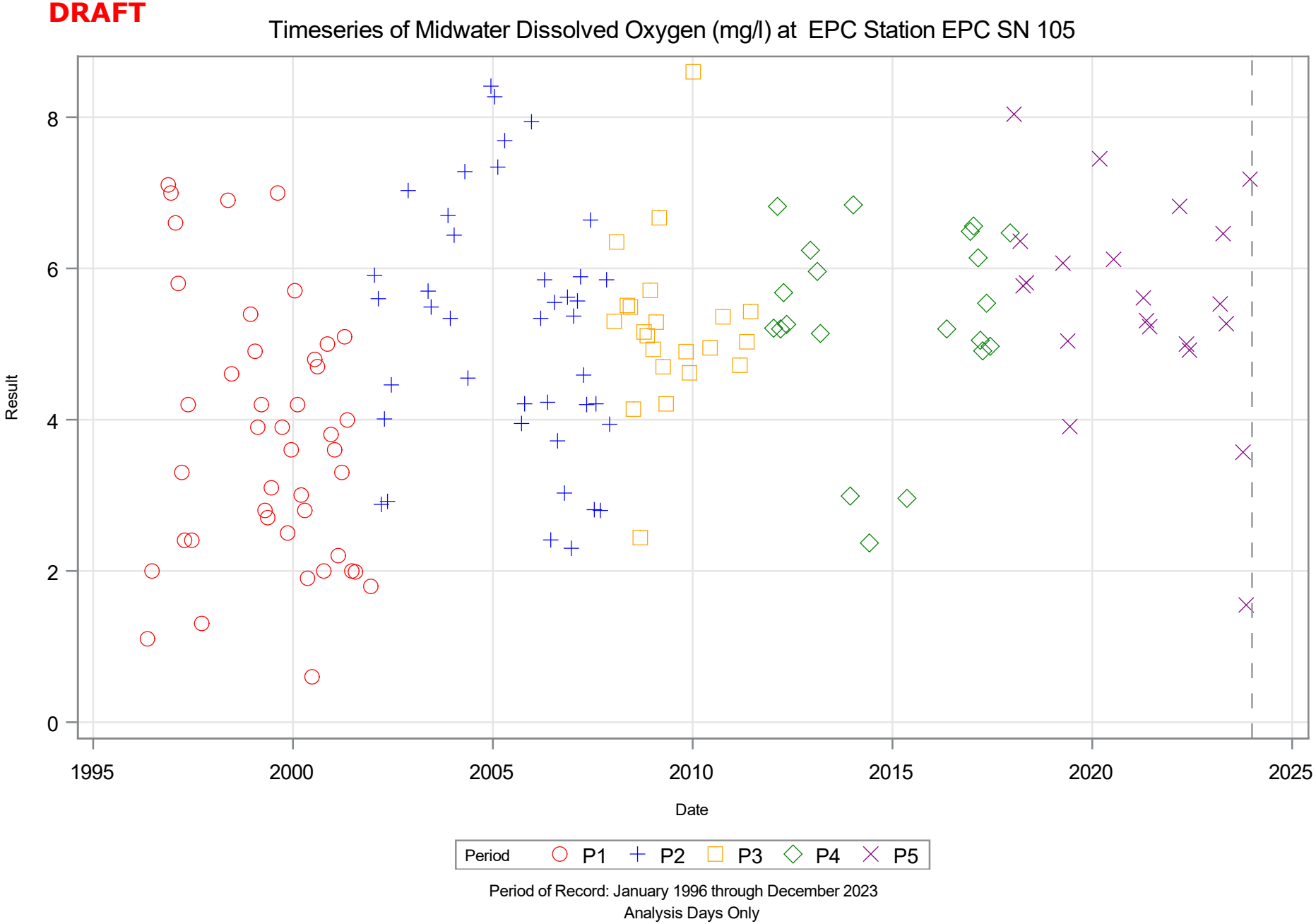
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.40	1.90	3.33	3.10	4.30	7.00
P2	41	0.85	3.66	4.73	4.73	5.83	8.57
P3	21	0.20	4.00	4.68	5.14	5.50	8.07
P4	21	2.04	4.65	5.07	5.24	6.06	6.63
P5	21	0.36	4.91	5.31	5.58	6.30	8.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 105
Result
0
2
4
6
8
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

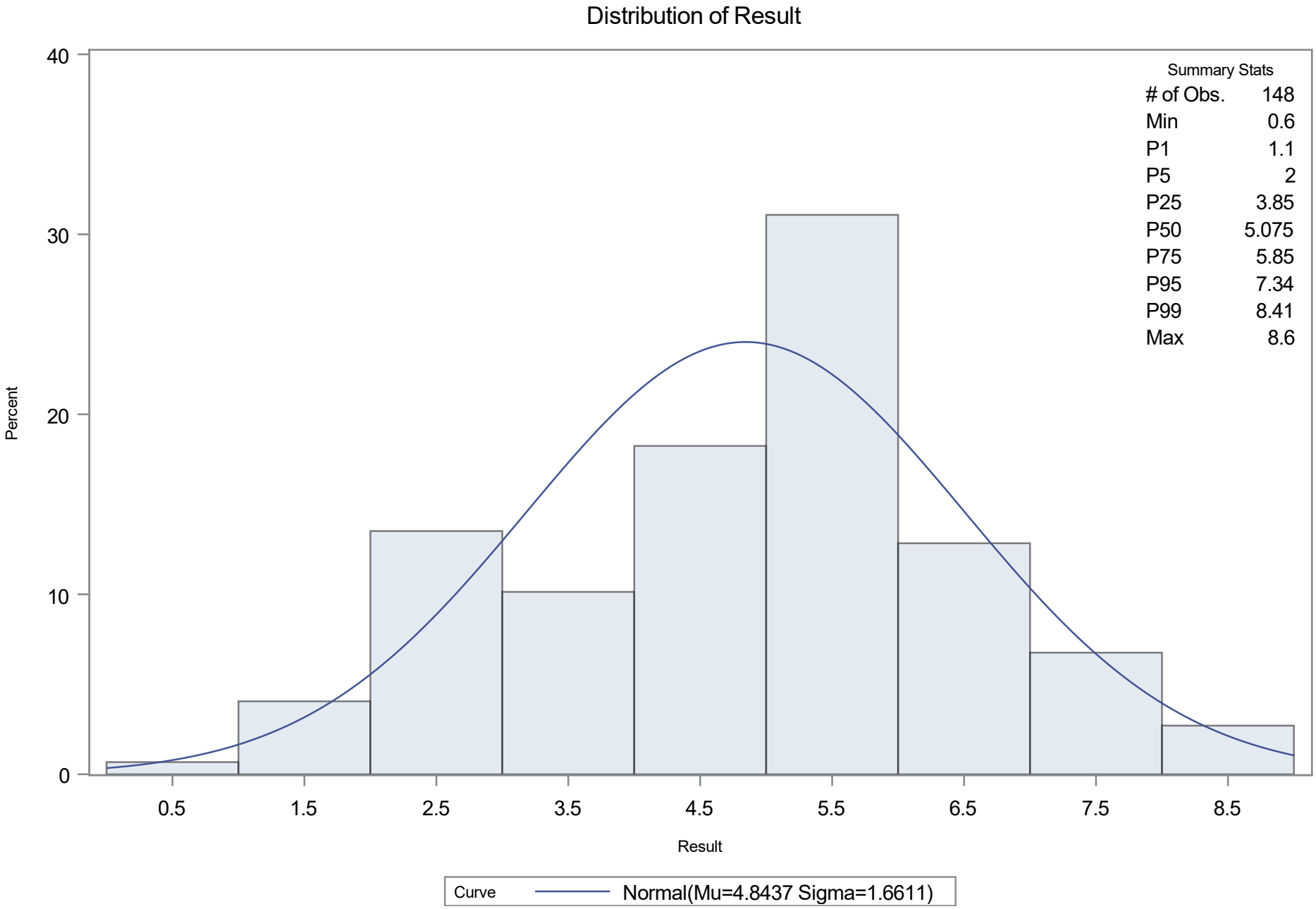
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.843716
Std Dev	Sigma	1.661053

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09459642	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.17241058	**Pr > W-Sq**	0.013
Anderson-Darling	**A-Sq**	0.91248225	**Pr > A-Sq**	0.021

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.10000	0.97953
5.0	2.00000	2.11153
10.0	2.40000	2.71499
25.0	3.85000	3.72335
50.0	5.07500	4.84372
75.0	5.85000	5.96408
90.0	6.90000	6.97244
95.0	7.34000	7.57590
99.0	8.41000	8.70790

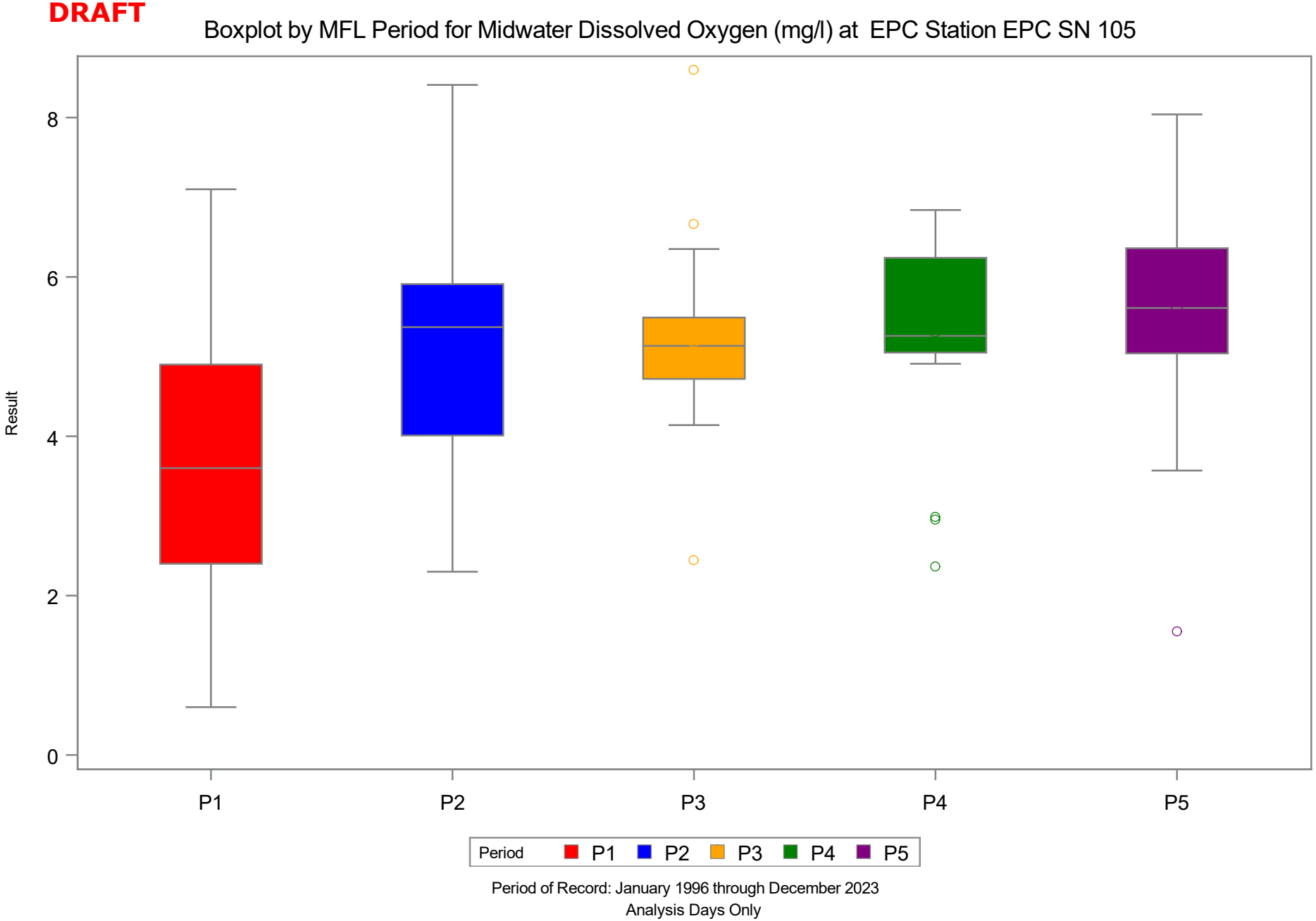
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 105**

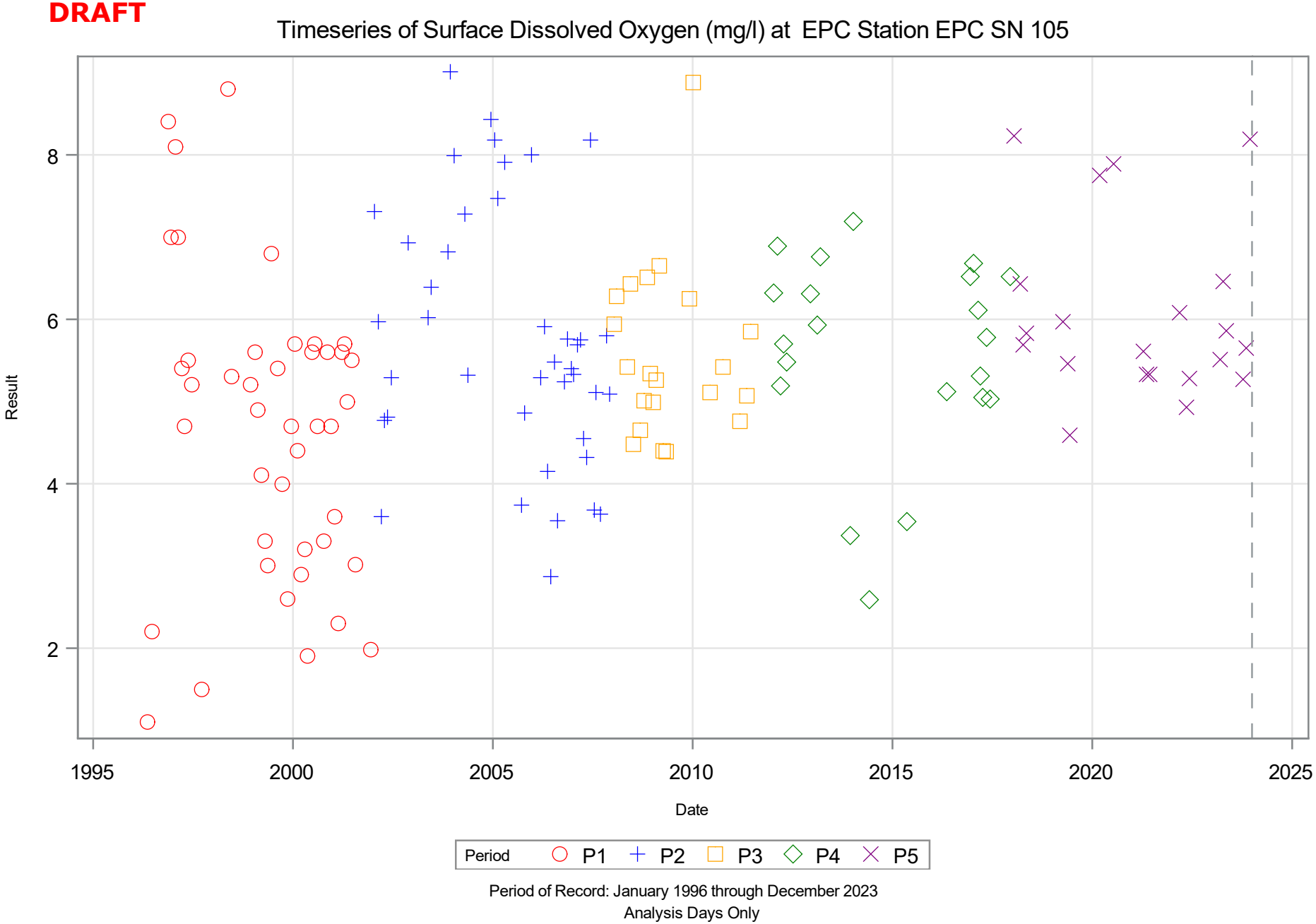
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.60	2.40	3.75	3.60	4.90	7.10
P2	41	2.30	4.01	5.17	5.37	5.91	8.41
P3	22	2.44	4.72	5.21	5.14	5.49	8.60
P4	21	2.37	5.05	5.33	5.26	6.24	6.84
P5	21	1.55	5.04	5.57	5.61	6.36	8.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 105
Result
0
2
4
6
8
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

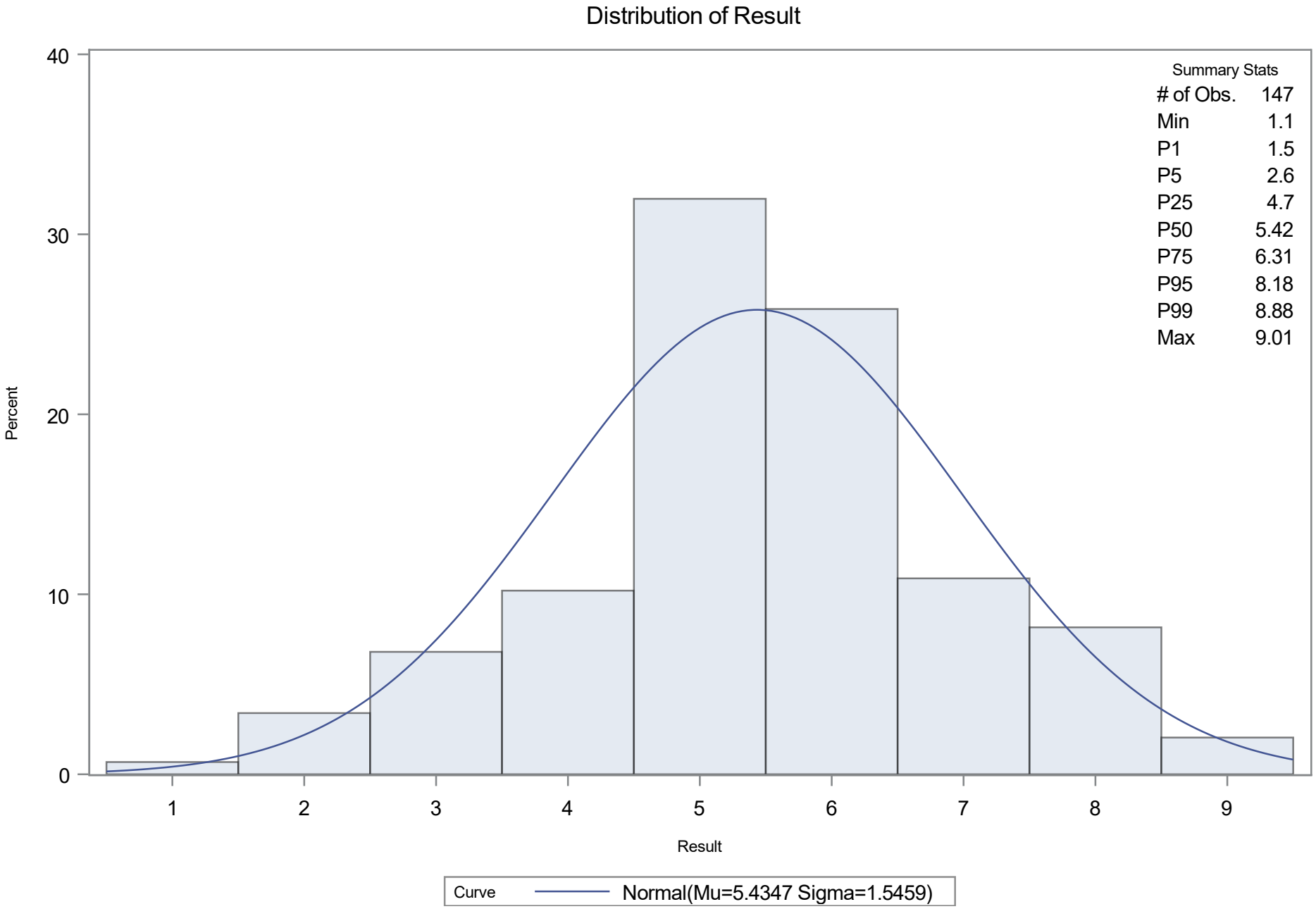
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.434694
Std Dev	Sigma	1.54589

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08748299	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.28047821	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.43864398	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.50000	1.83842
5.0	2.60000	2.89193
10.0	3.30000	3.45356
25.0	4.70000	4.39201
50.0	5.42000	5.43469
75.0	6.31000	6.47738
90.0	7.75000	7.41583
95.0	8.18000	7.97746
99.0	8.88000	9.03097

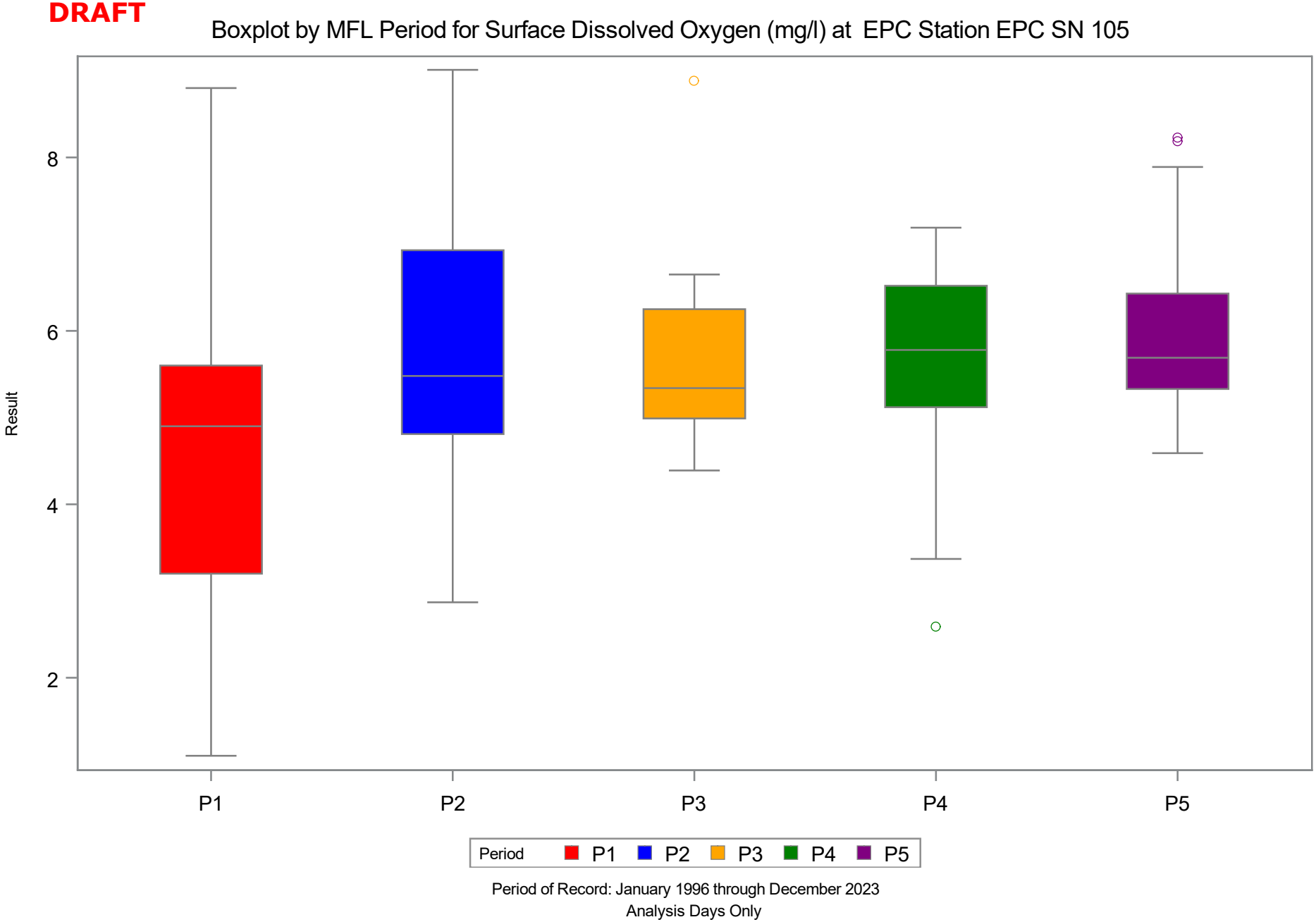
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 105**

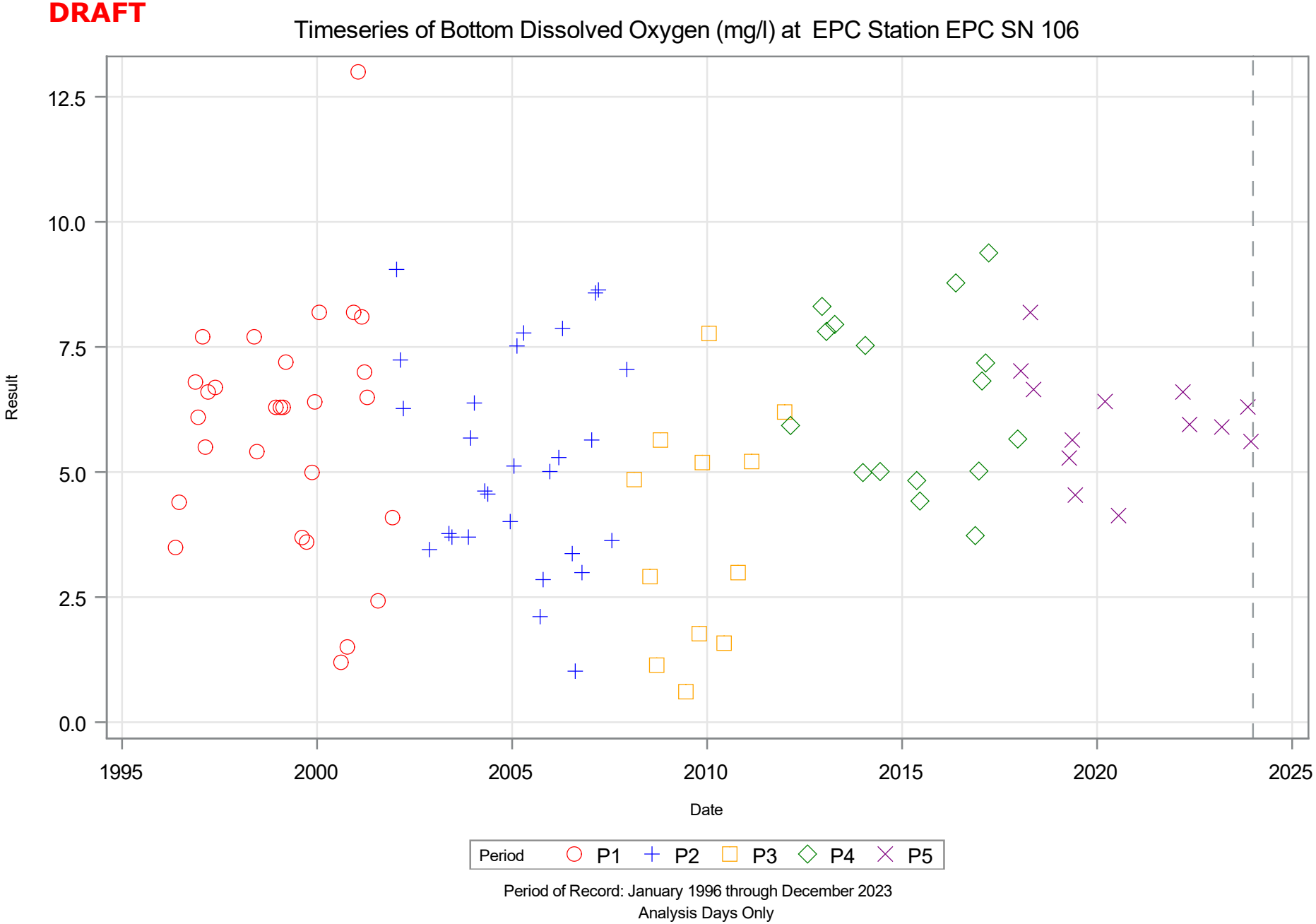
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	1.10	3.20	4.66	4.90	5.60	8.80
P2	41	2.87	4.81	5.78	5.48	6.93	9.01
P3	21	4.39	4.99	5.58	5.34	6.25	8.88
P4	21	2.59	5.12	5.59	5.78	6.52	7.19
P5	21	4.59	5.33	6.06	5.69	6.43	8.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

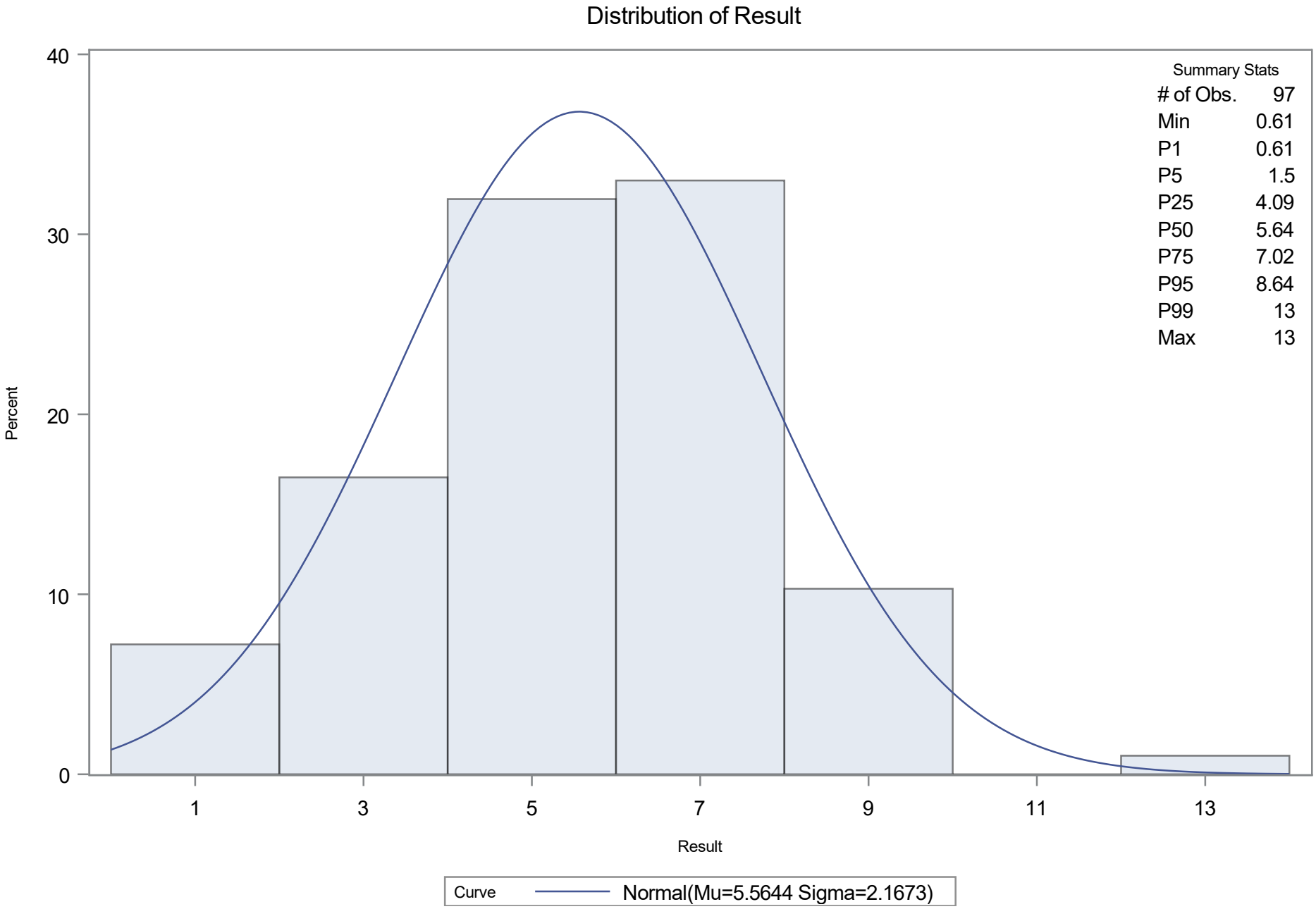

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 105
Result
8
6
4
2
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 106
Result
12.5
10.0
7.5
5.0
2.5
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.564433
Std Dev	Sigma	2.167324

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05528215	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04363770	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36665256	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.61000	0.52248
5.0	1.50000	1.99950
10.0	2.85000	2.78690
25.0	4.09000	4.10260
50.0	5.64000	5.56443
75.0	7.02000	7.02627
90.0	8.19000	8.34197
95.0	8.64000	9.12936
99.0	13.00000	10.60638

Period of Record: January 1996 through December 2023
Analysis Days Only

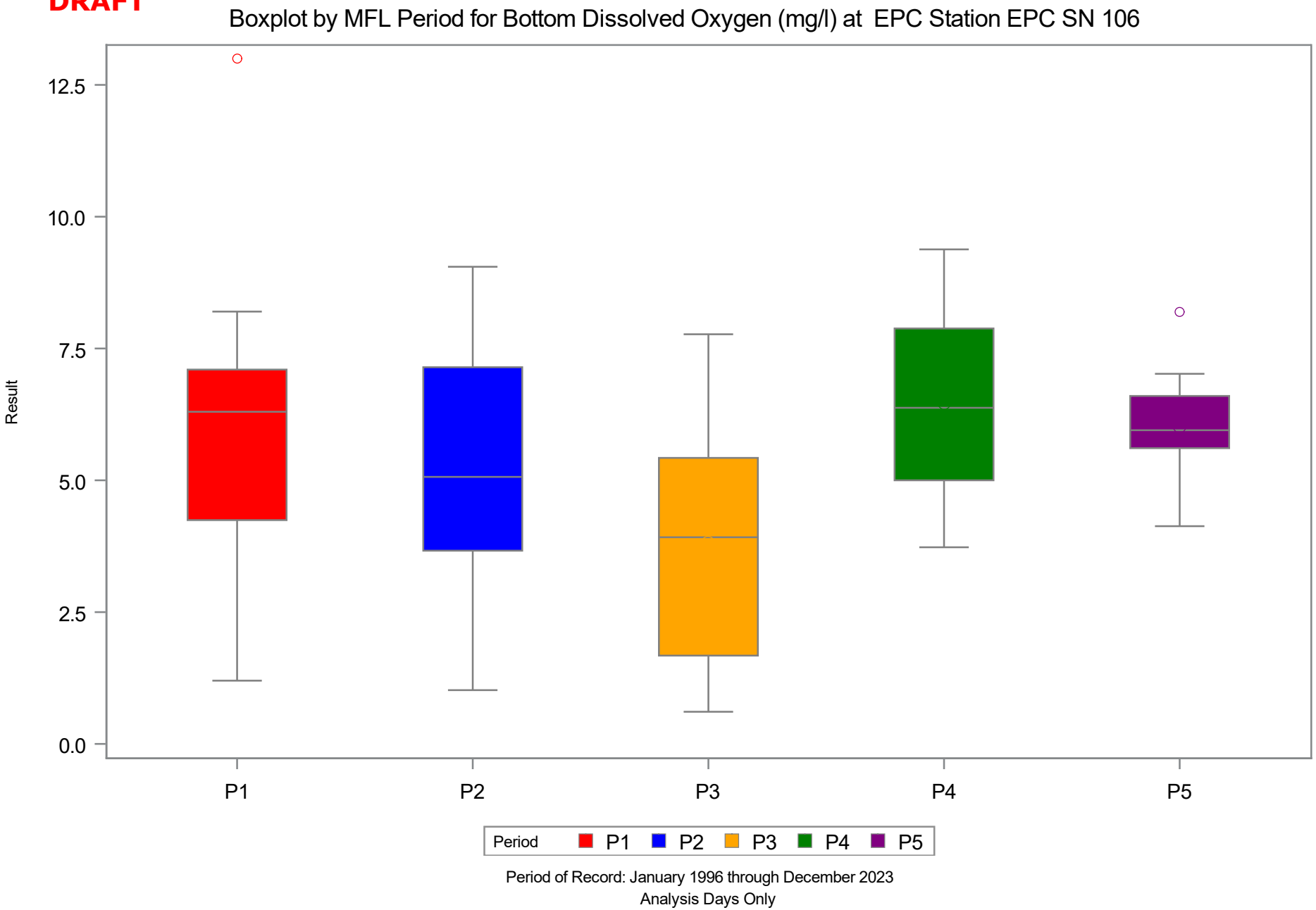
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 106

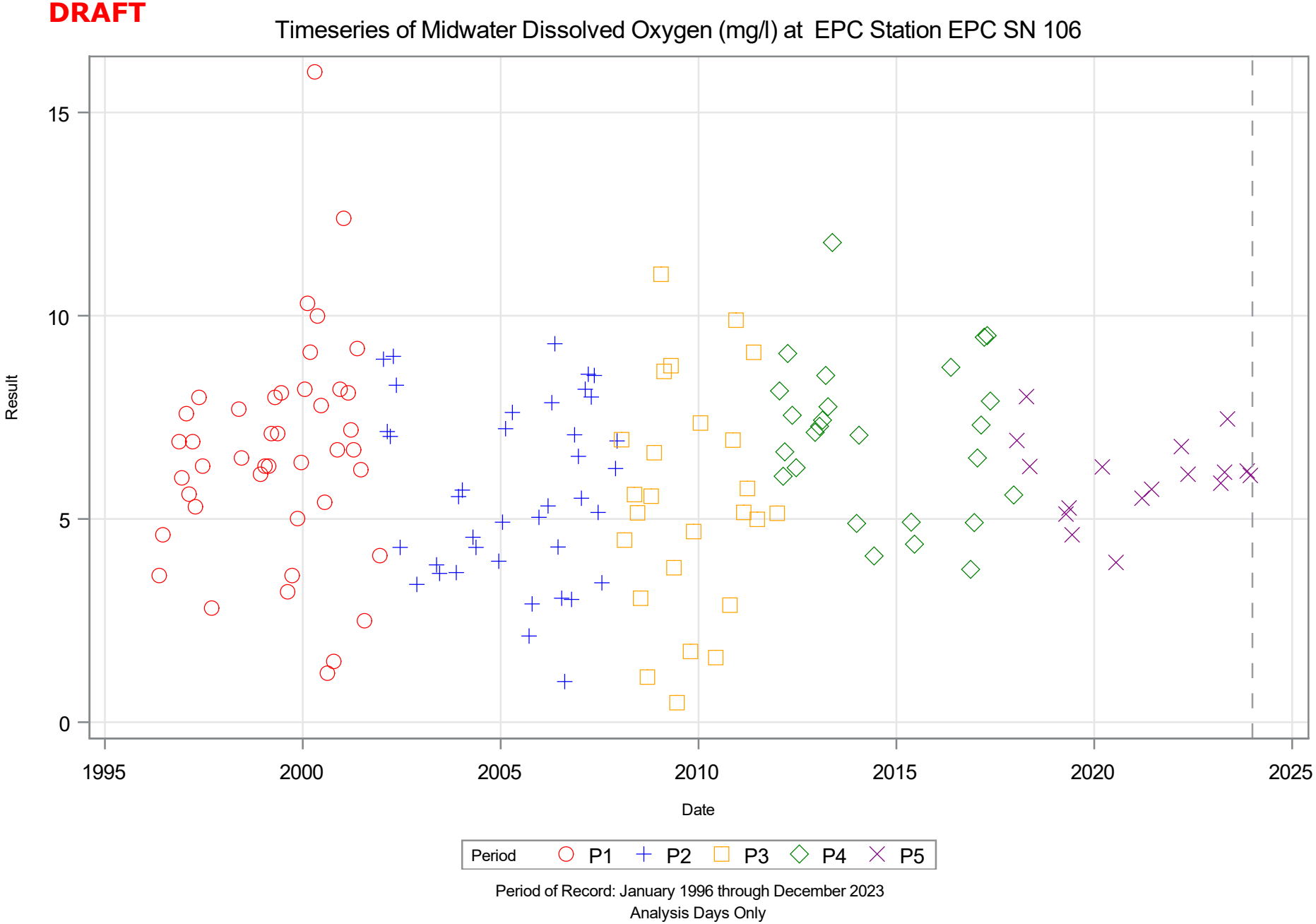
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	28	1.20	4.25	5.91	6.30	7.10	13.00
P2	28	1.02	3.67	5.25	5.07	7.15	9.05
P3	12	0.61	1.68	3.82	3.92	5.43	7.77
P4	16	3.73	5.00	6.46	6.38	7.88	9.38
P5	13	4.13	5.61	6.02	5.95	6.60	8.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

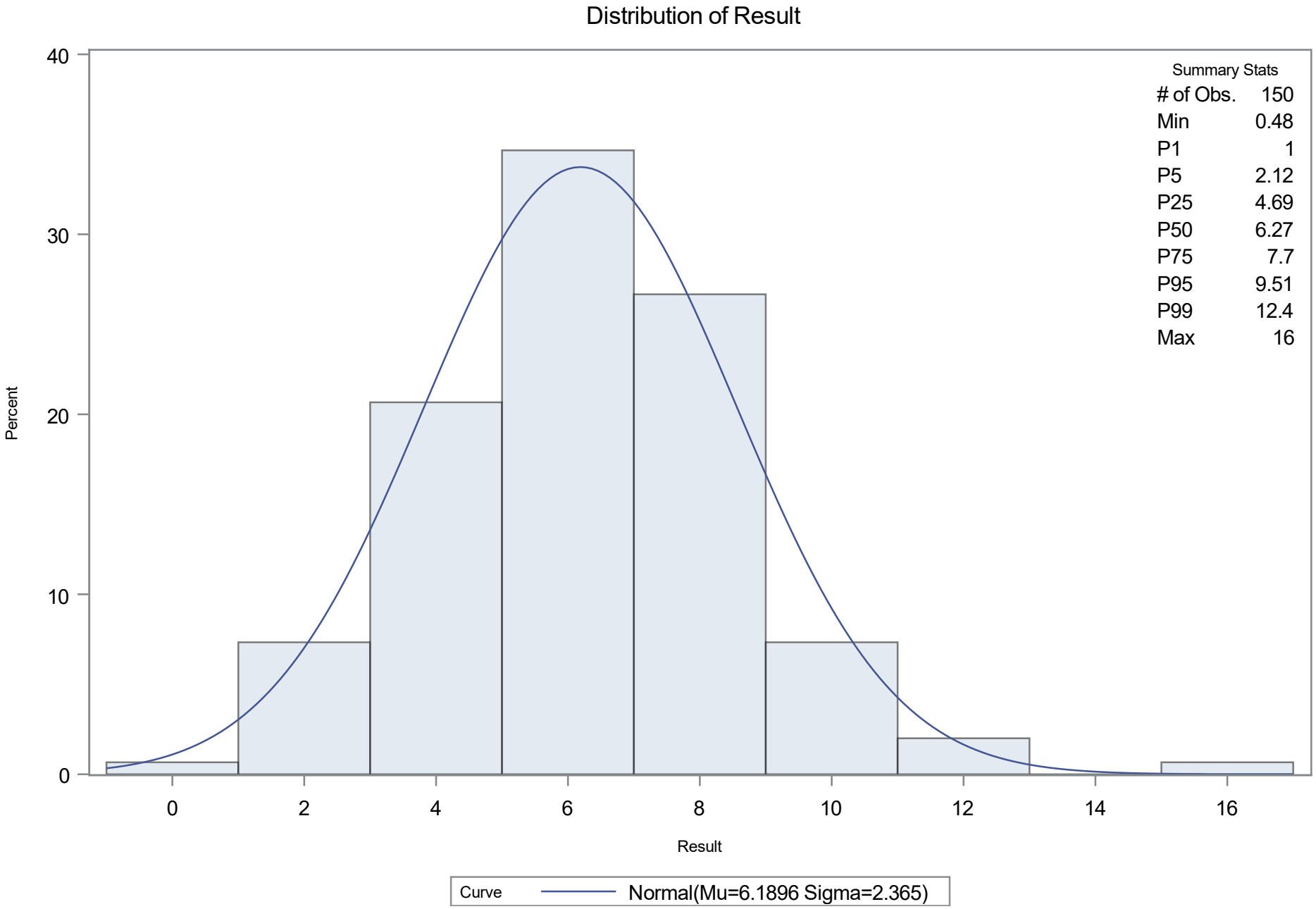

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 106
Result
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 106
Result
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.1896
Std Dev	Sigma	2.365024

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04431394	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04213455	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35067372	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	0.68773
5.0	2.12000	2.29948
10.0	3.12500	3.15870
25.0	4.69000	4.59442
50.0	6.27000	6.18960
75.0	7.70000	7.78478
90.0	8.96500	9.22050
95.0	9.51000	10.07972
99.0	12.40000	11.69147

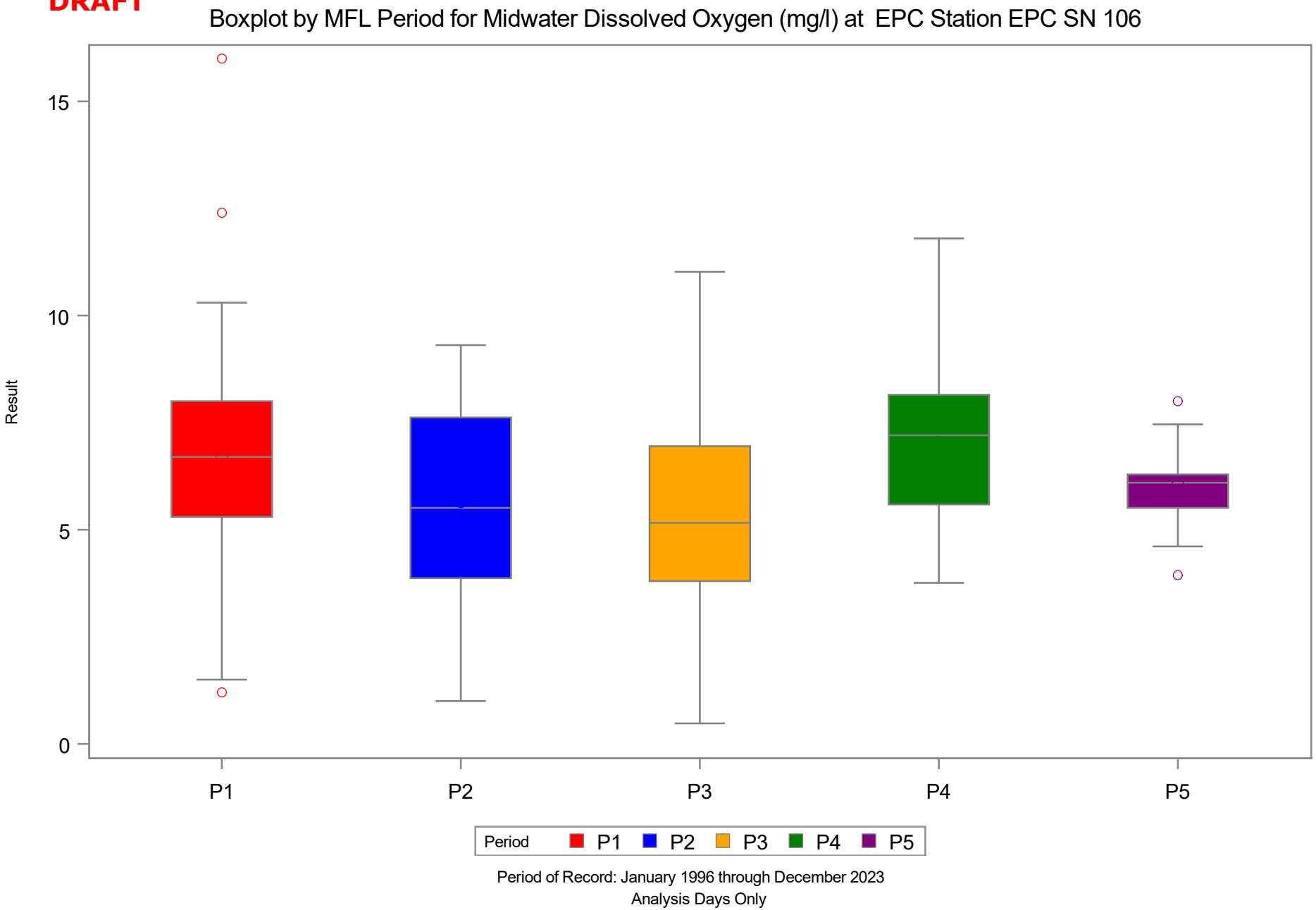
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 106**

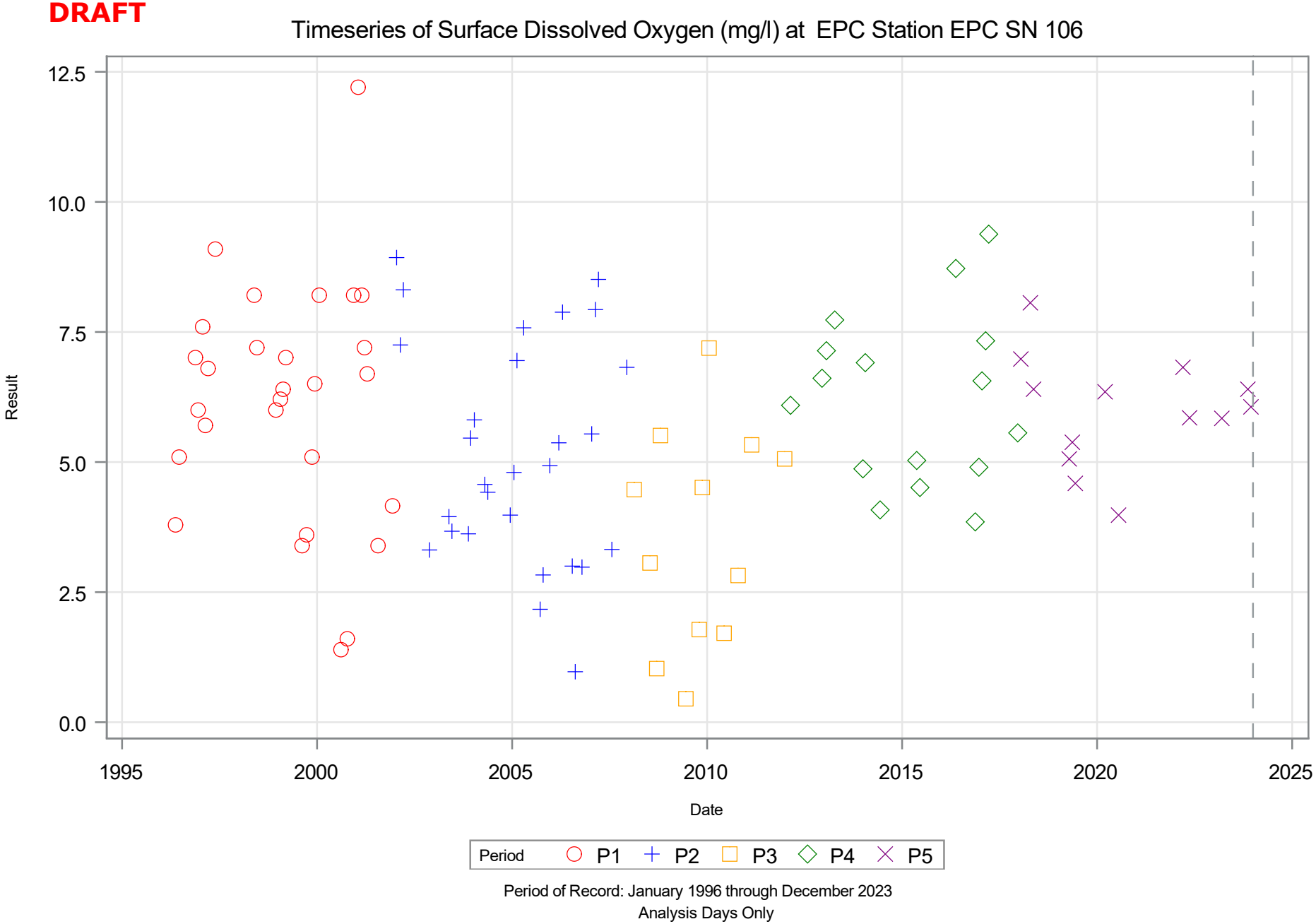
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	1.20	5.30	6.65	6.70	8.00	16.00
P2	39	1.00	3.87	5.67	5.51	7.62	9.31
P3	25	0.48	3.80	5.46	5.16	6.95	11.02
P4	26	3.76	5.59	7.03	7.21	8.15	11.80
P5	17	3.93	5.51	6.02	6.10	6.29	8.01

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

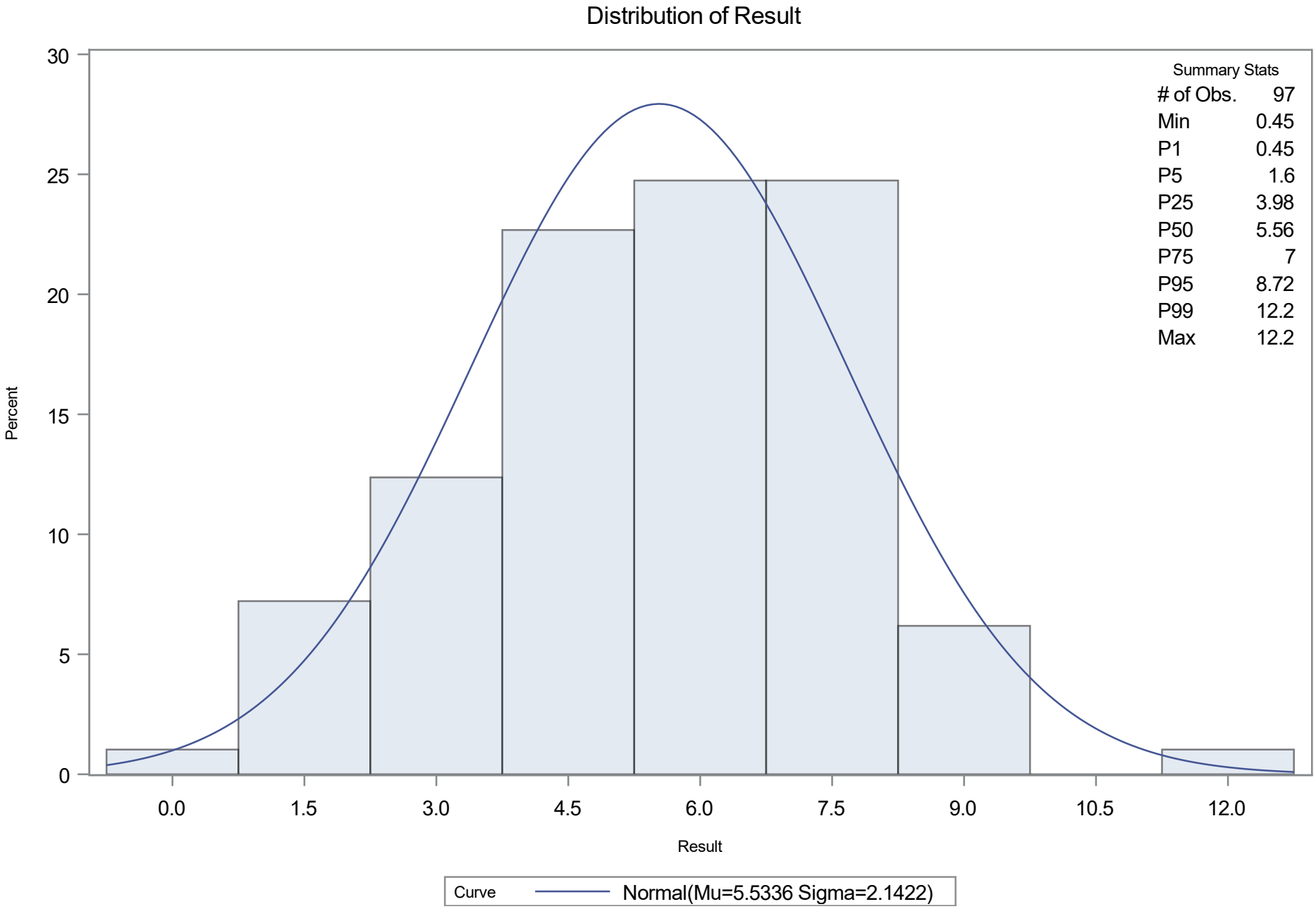

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 106
Result
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 106
Result
12.5
10.0
7.5
5.0
2.5
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.533608
Std Dev	Sigma	2.142211

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05049647	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03401903	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27102210	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.45000	0.55008
5.0	1.60000	2.00998
10.0	2.83000	2.78825
25.0	3.98000	4.08871
50.0	5.56000	5.53361
75.0	7.00000	6.97851
90.0	8.20000	8.27896
95.0	8.72000	9.05723
99.0	12.20000	10.51714

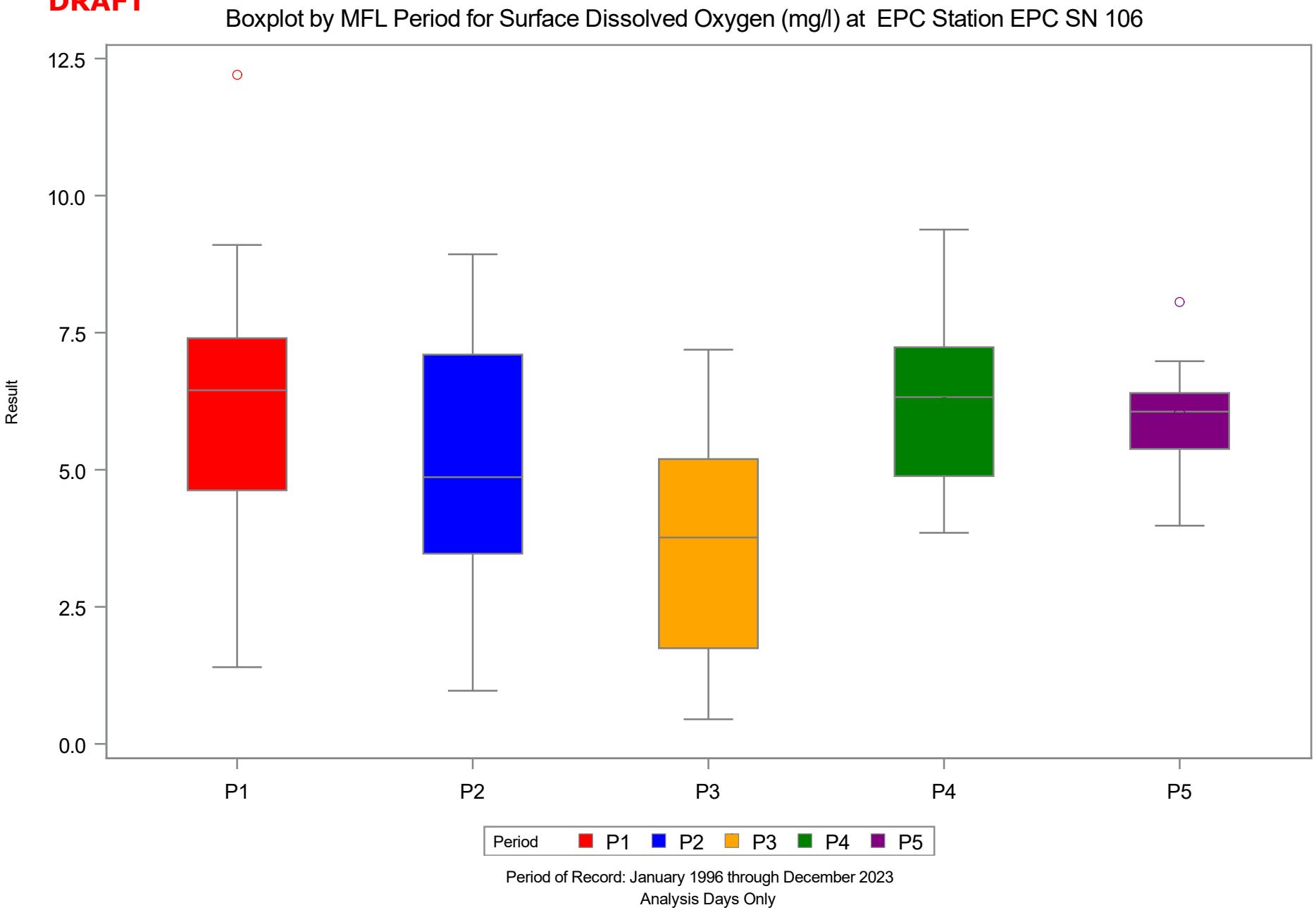
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 106**

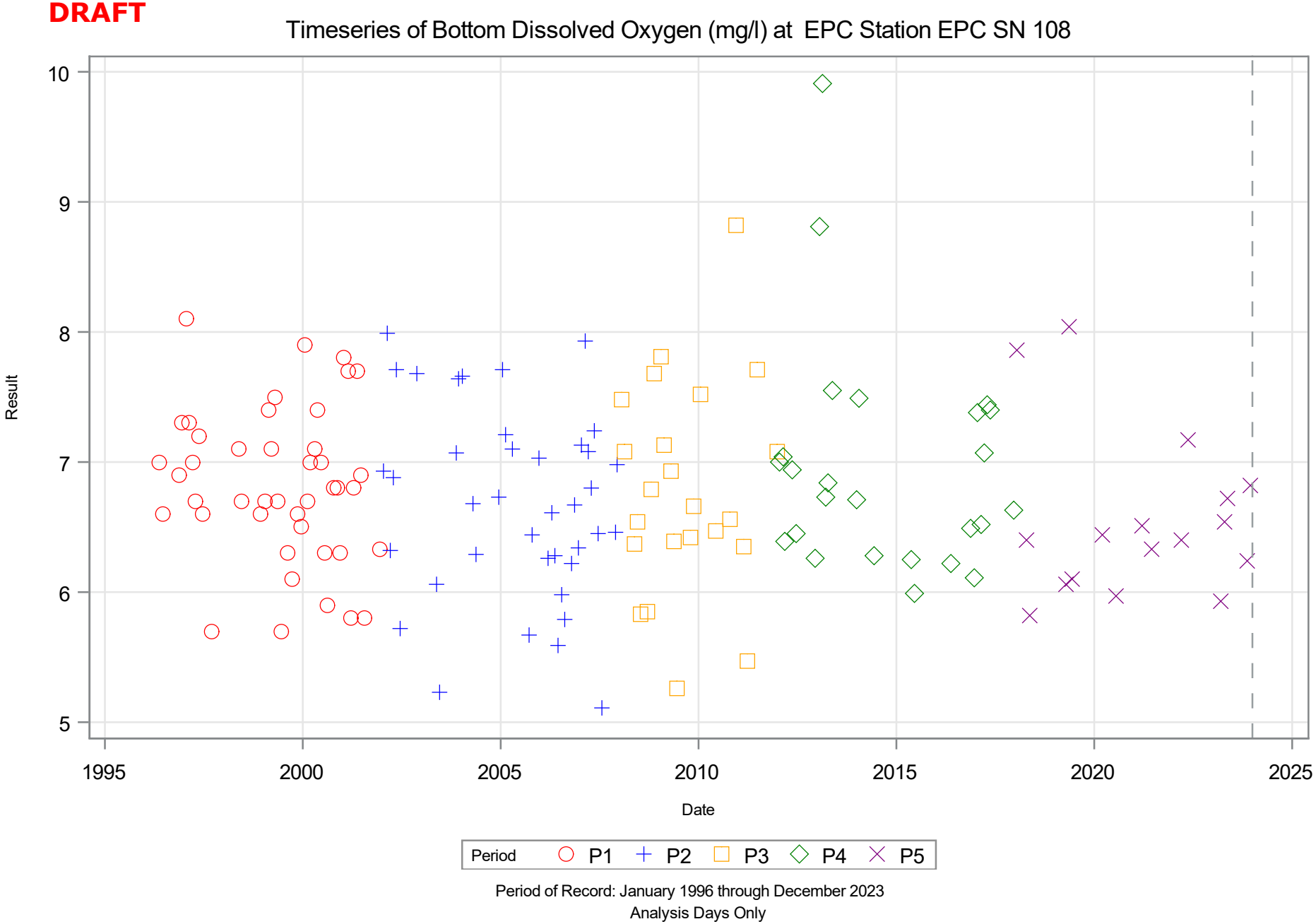
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	28	1.40	4.63	6.14	6.45	7.40	12.20
P2	28	0.97	3.47	5.17	4.87	7.10	8.93
P3	12	0.45	1.75	3.58	3.77	5.20	7.19
P4	16	3.85	4.89	6.20	6.33	7.24	9.38
P5	13	3.98	5.38	5.98	6.06	6.40	8.06

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

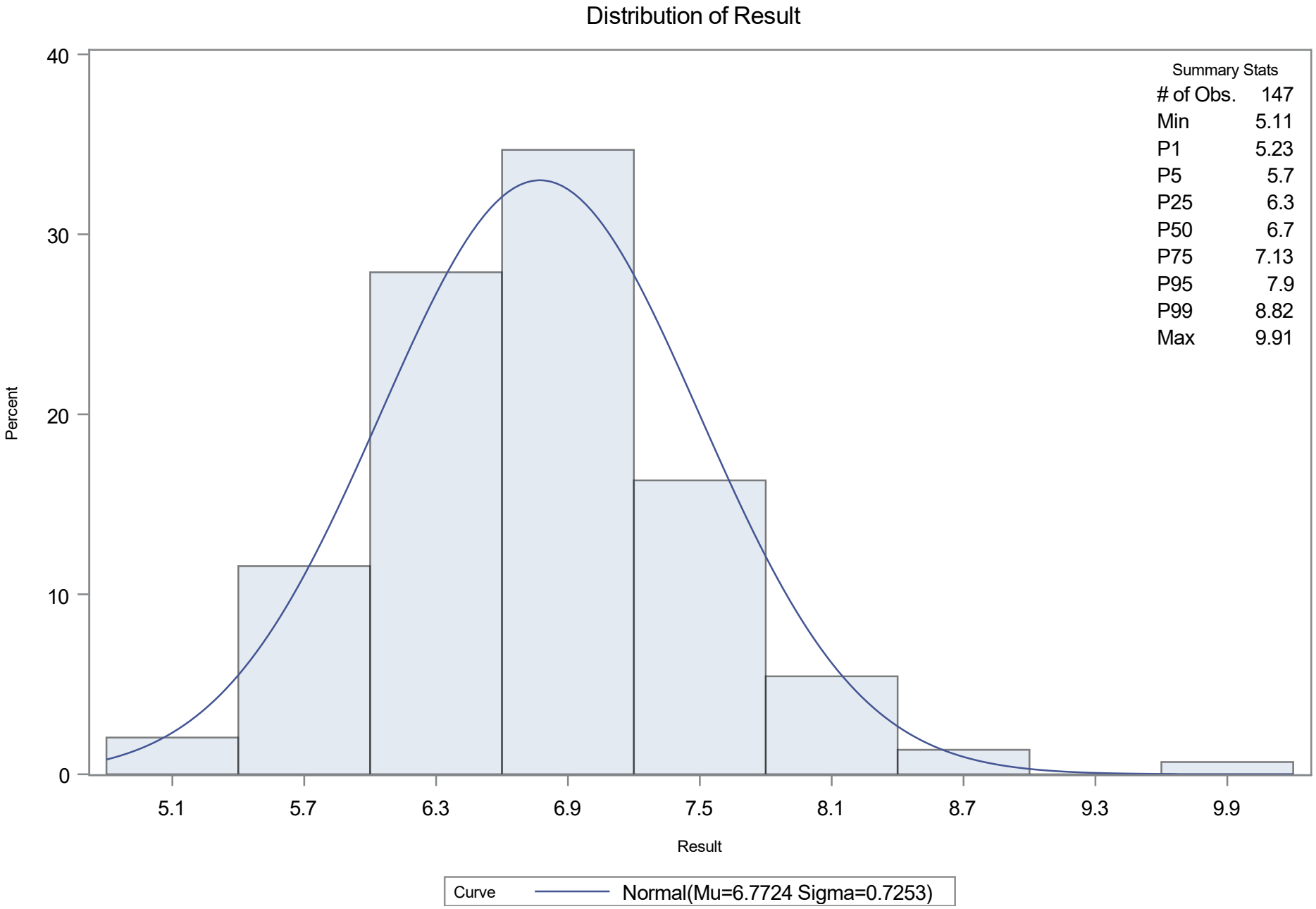

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 106
Result
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 108
Result
10
9
8
7
6
5
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.772449
Std Dev	Sigma	0.725253

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06726178	**Pr > D**	0.100
Cramer-von Mises	**W-Sq**	0.11150551	**Pr > W-Sq**	0.082
Anderson-Darling	**A-Sq**	0.69025172	**Pr > A-Sq**	0.074

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.23000	5.08526
5.0	5.70000	5.57951
10.0	5.85000	5.84300
25.0	6.30000	6.28327
50.0	6.70000	6.77245
75.0	7.13000	7.26162
90.0	7.70000	7.70190
95.0	7.90000	7.96538
99.0	8.82000	8.45964

Period of Record: January 1996 through December 2023
Analysis Days Only

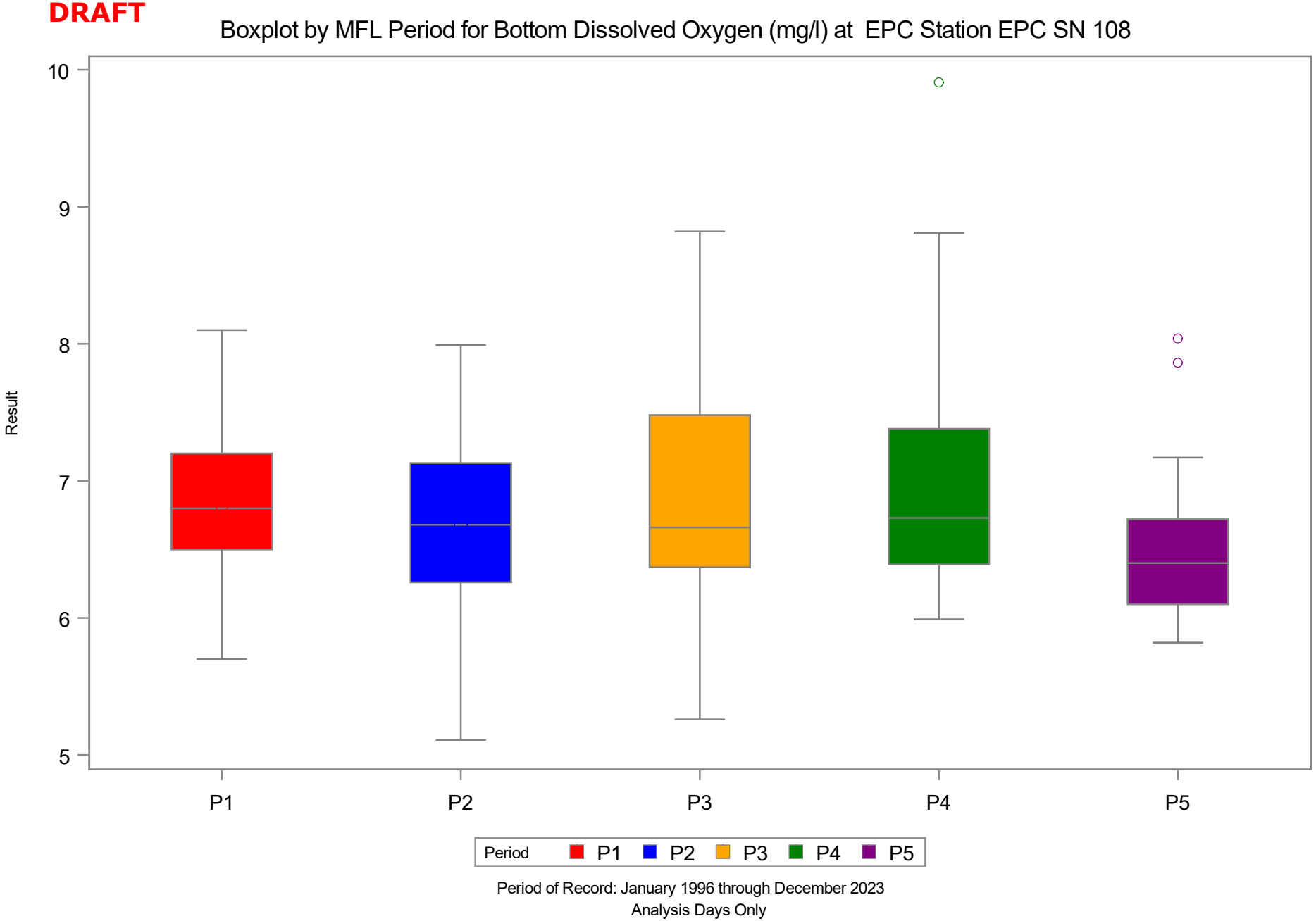
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 108

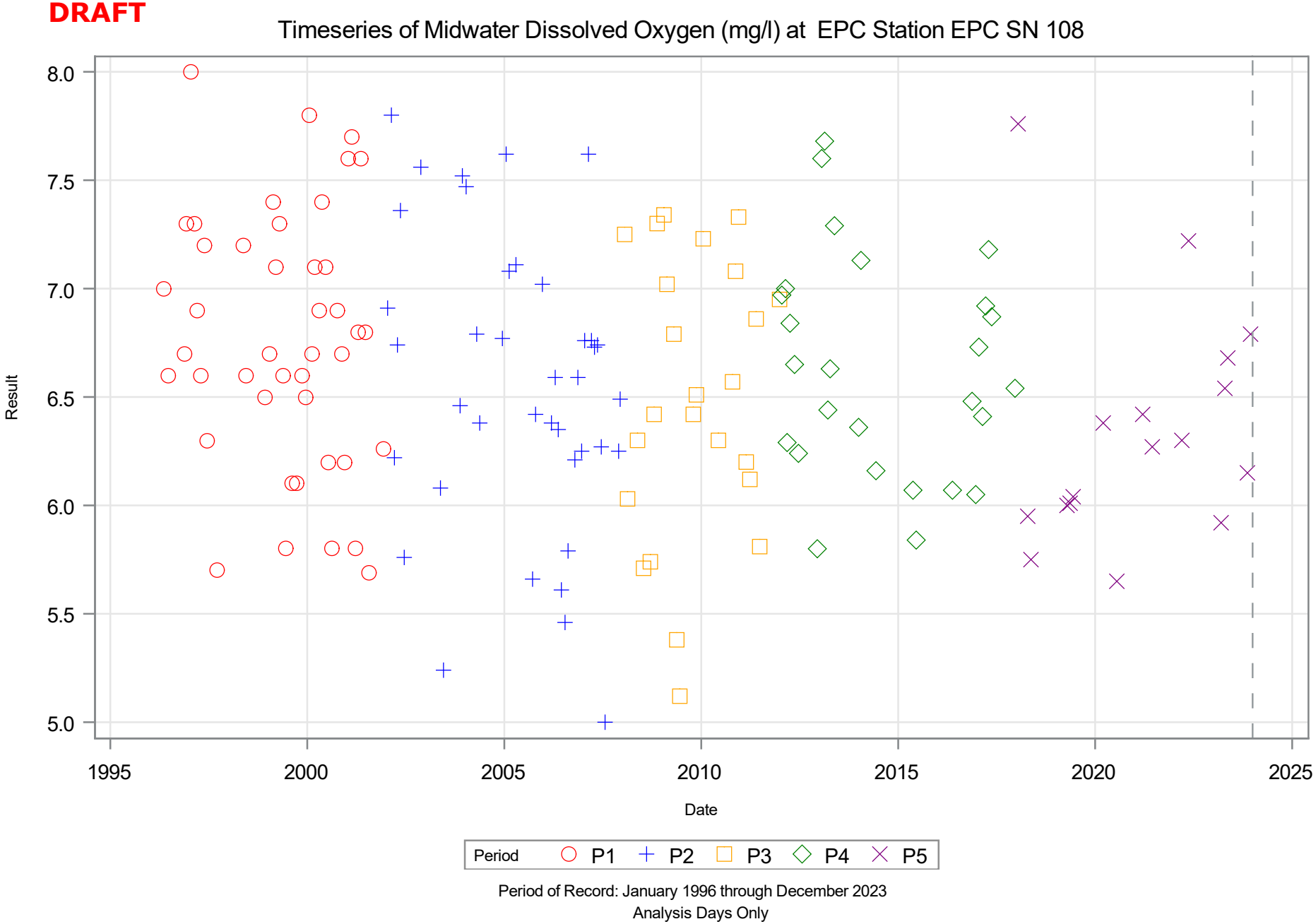
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	5.70	6.50	6.82	6.80	7.20	8.10
P2	39	5.11	6.26	6.68	6.68	7.13	7.99
P3	23	5.26	6.37	6.79	6.66	7.48	8.82
P4	25	5.99	6.39	6.96	6.73	7.38	9.91
P5	17	5.82	6.10	6.55	6.40	6.72	8.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

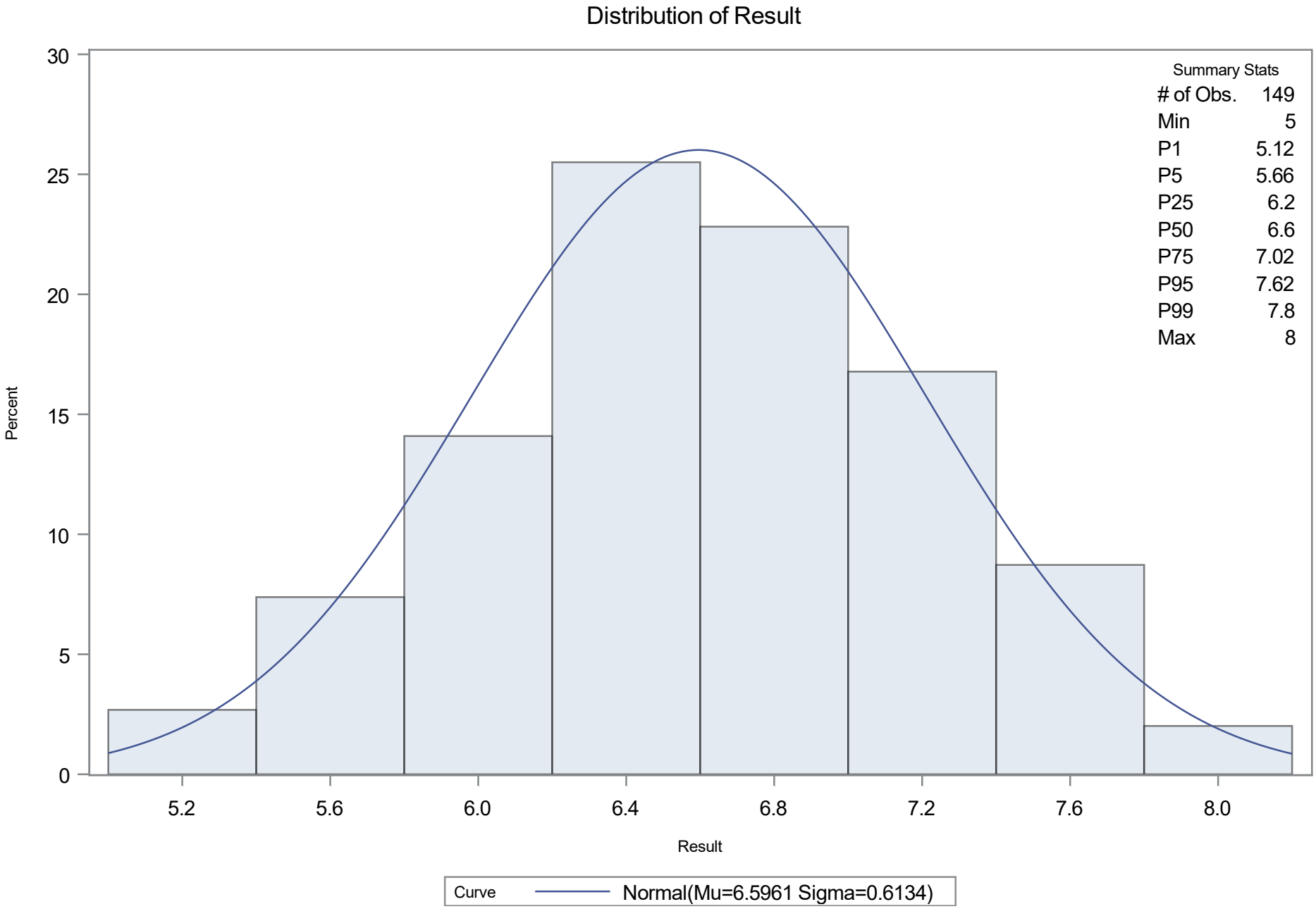

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 108
Result
10
9
8
7
6
5
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 108
Result
8.0
7.5
7.0
6.5
6.0
5.5
5.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.596107
Std Dev	Sigma	0.613386

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03435383	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02564710	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21952654	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.12000	5.16916
5.0	5.66000	5.58718
10.0	5.79000	5.81002
25.0	6.20000	6.18238
50.0	6.60000	6.59611
75.0	7.02000	7.00983
90.0	7.40000	7.38219
95.0	7.62000	7.60504
99.0	7.80000	8.02306

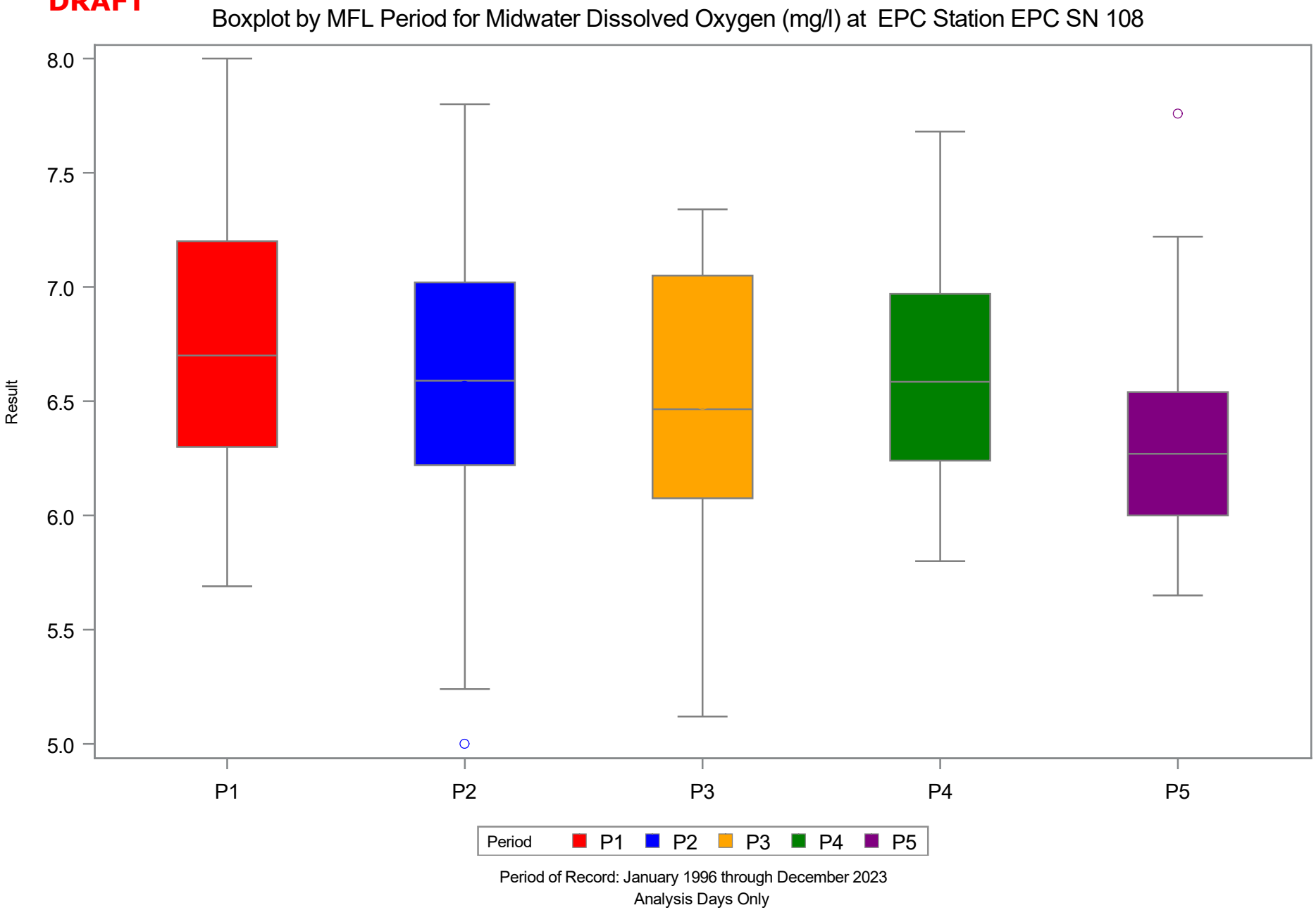
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 108**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	5.69	6.30	6.77	6.70	7.20	8.00
P2	39	5.00	6.22	6.56	6.59	7.02	7.80
P3	24	5.12	6.08	6.49	6.47	7.05	7.34
P4	26	5.80	6.24	6.62	6.59	6.97	7.68
P5	17	5.65	6.00	6.34	6.27	6.54	7.76

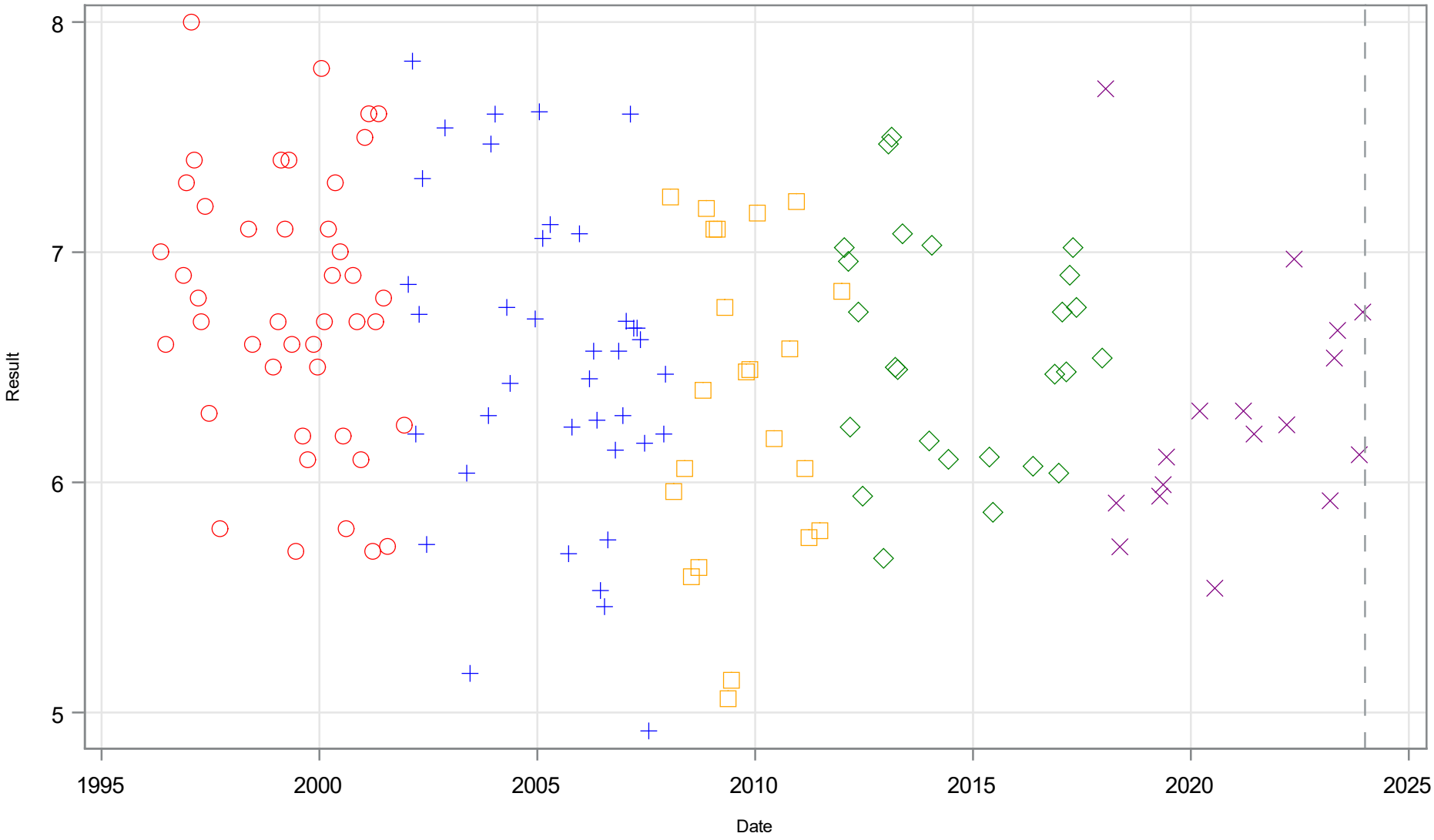
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 108
Result
8.0
7.5
7.0
6.5
6.0
5.5
5.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

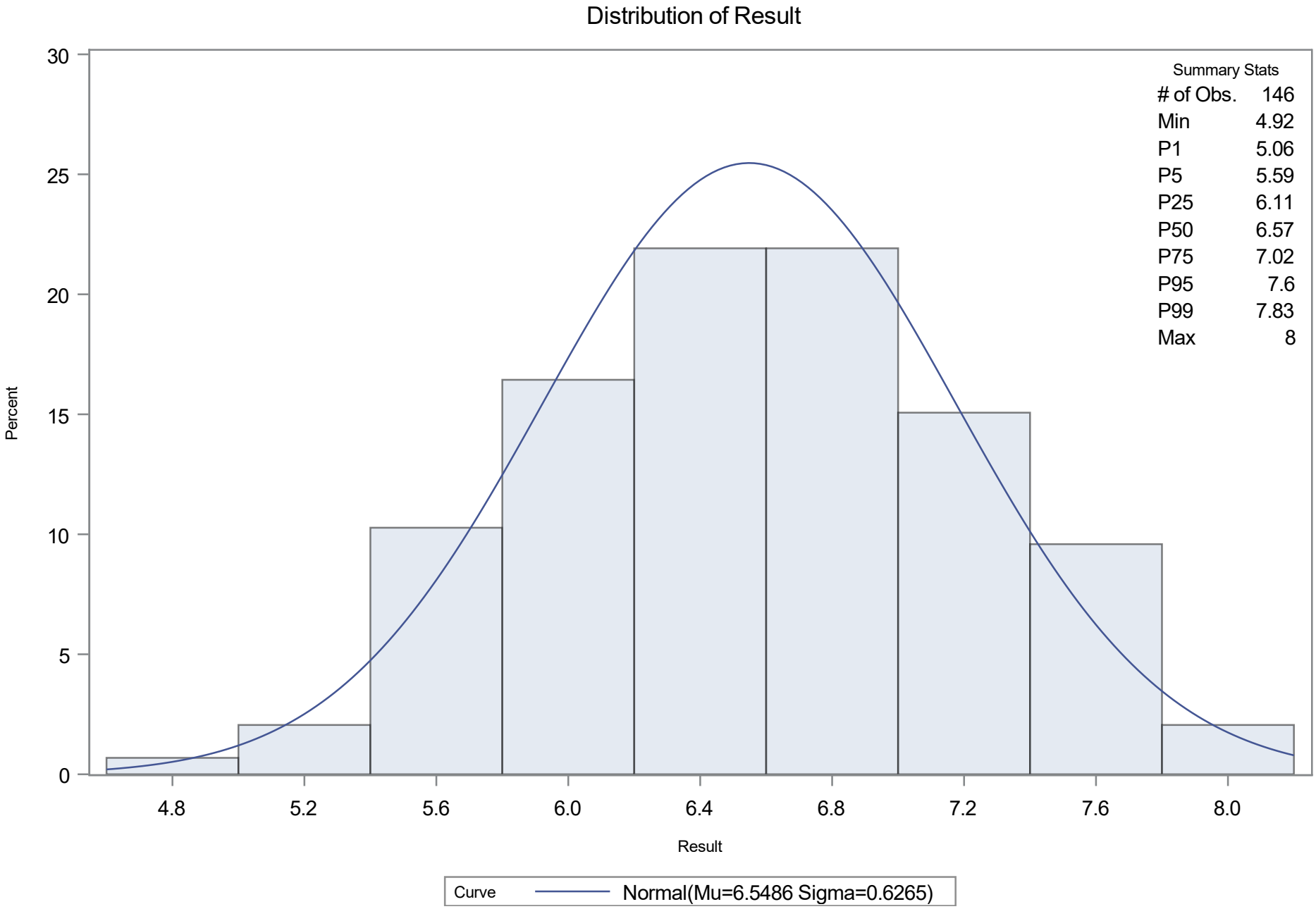
Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.548562
Std Dev	Sigma	0.62651

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04557659	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03599349	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25184311	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.06000	5.09108
5.0	5.59000	5.51804
10.0	5.72000	5.74566
25.0	6.11000	6.12599
50.0	6.57000	6.54856
75.0	7.02000	6.97114
90.0	7.40000	7.35147
95.0	7.60000	7.57908
99.0	7.83000	8.00604

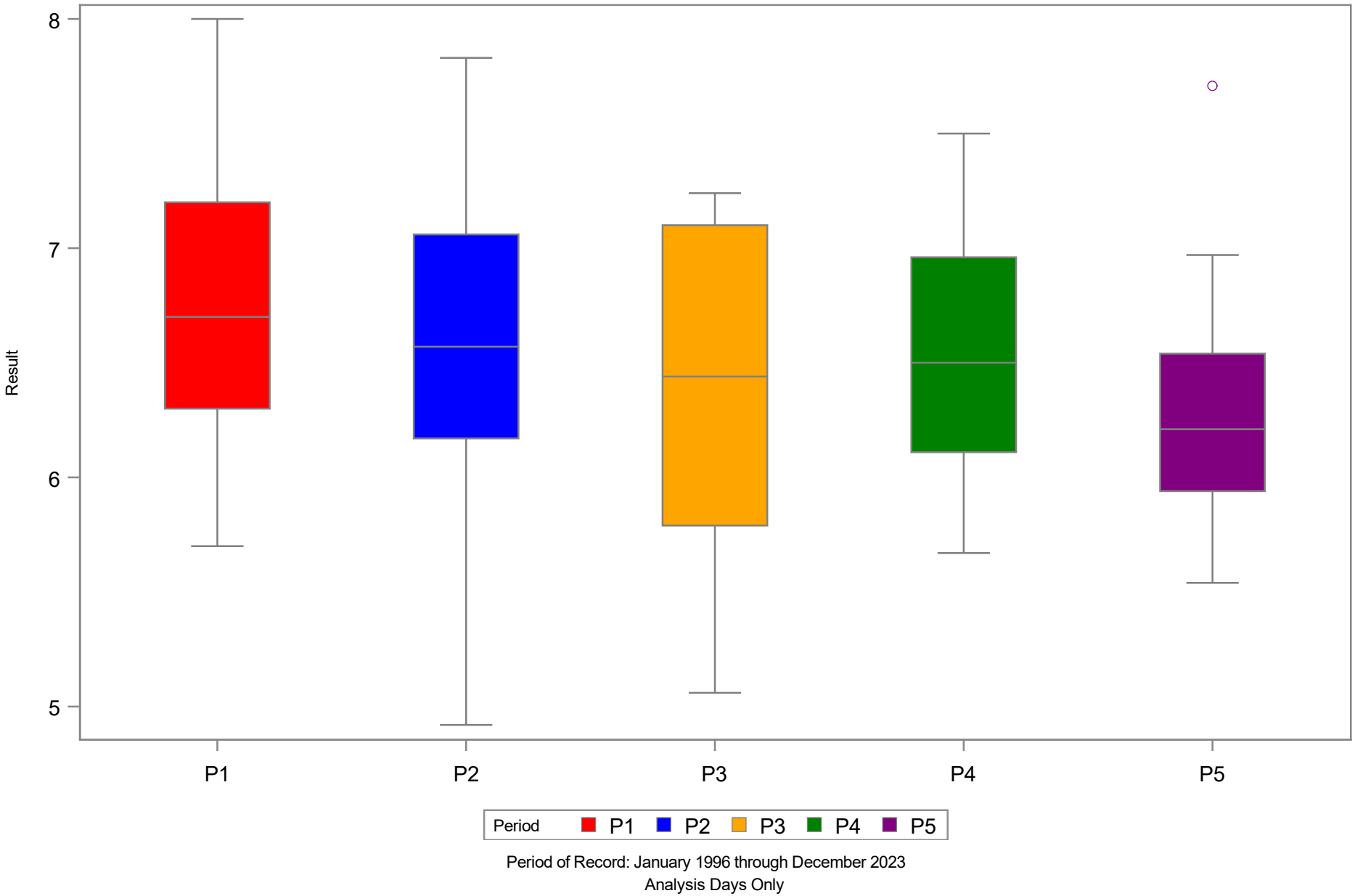
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 108**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	5.70	6.30	6.76	6.70	7.20	8.00
P2	39	4.92	6.17	6.53	6.57	7.06	7.83
P3	22	5.06	5.79	6.35	6.44	7.10	7.24
P4	25	5.67	6.11	6.56	6.50	6.96	7.50
P5	17	5.54	5.94	6.29	6.21	6.54	7.71

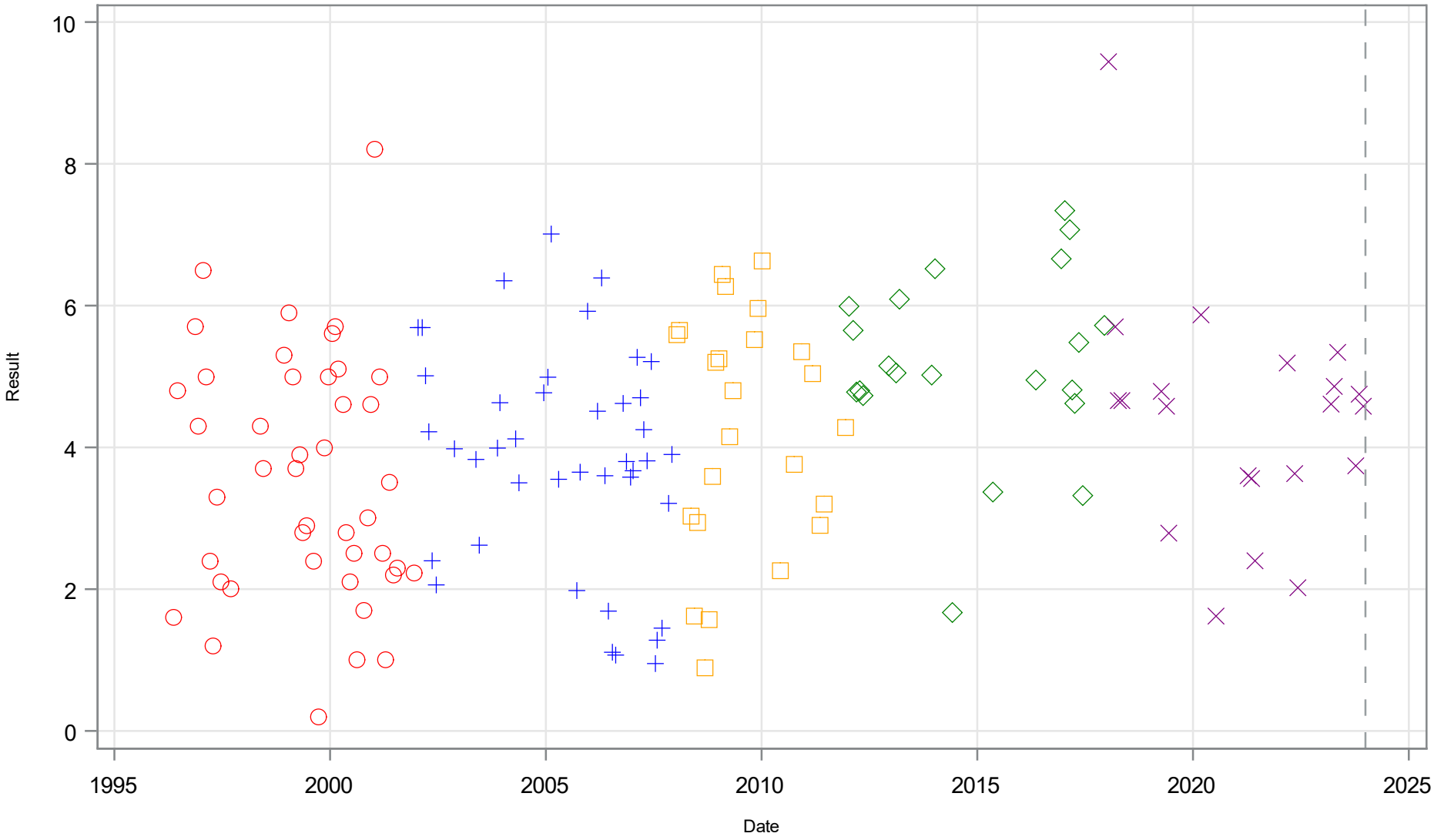
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 108
Result
8
7
6
5
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

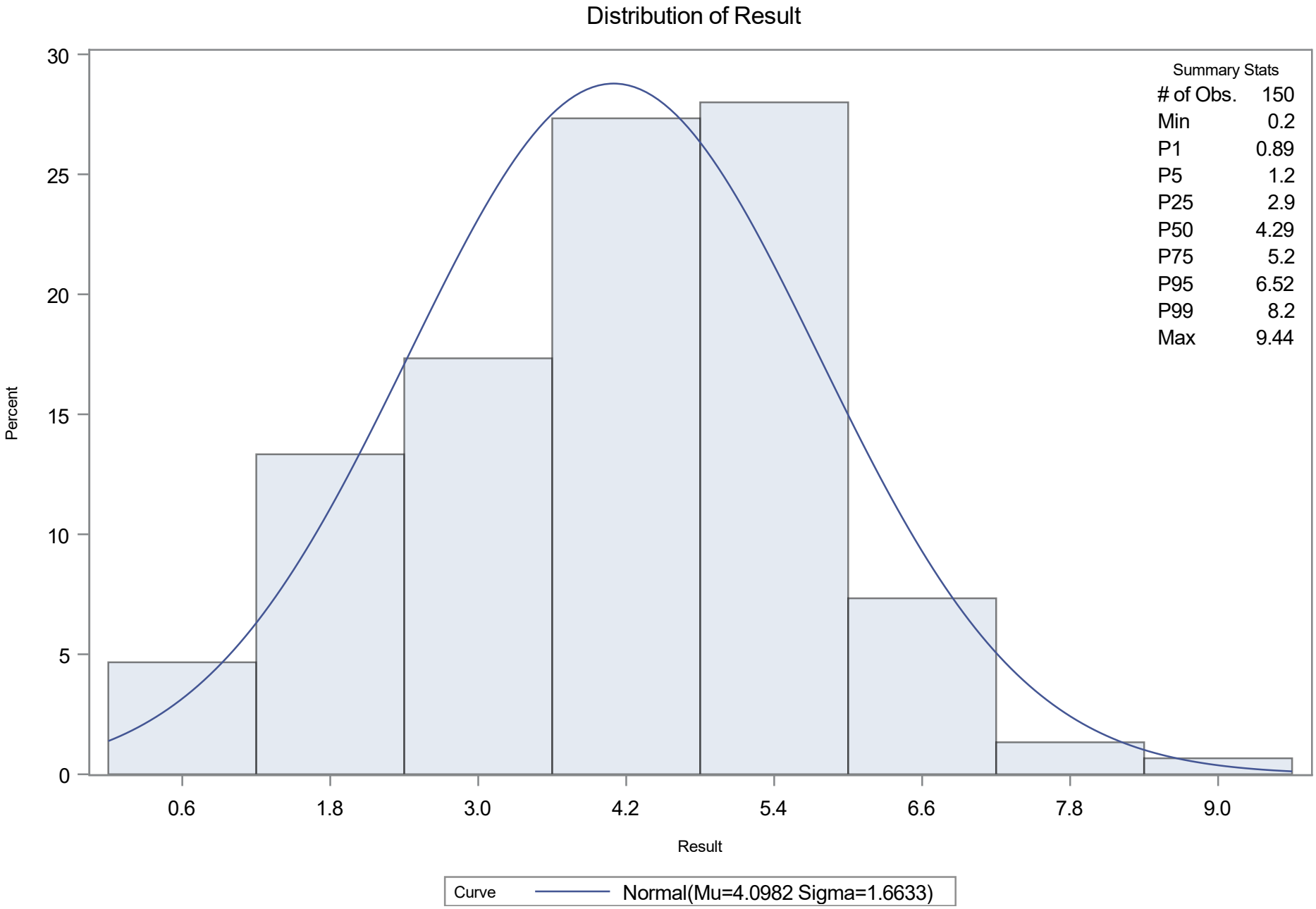
Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.0982
Std Dev	Sigma	1.663302

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09396365	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.14107446	**Pr > W-Sq**	0.032
Anderson-Darling	**A-Sq**	0.82359956	**Pr > A-Sq**	0.034

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.89000	0.22878
5.0	1.20000	1.36231
10.0	1.68000	1.96659
25.0	2.90000	2.97632
50.0	4.29000	4.09820
75.0	5.20000	5.22008
90.0	5.97500	6.22981
95.0	6.52000	6.83409
99.0	8.20000	7.96762

Period of Record: January 1996 through December 2023
Analysis Days Only

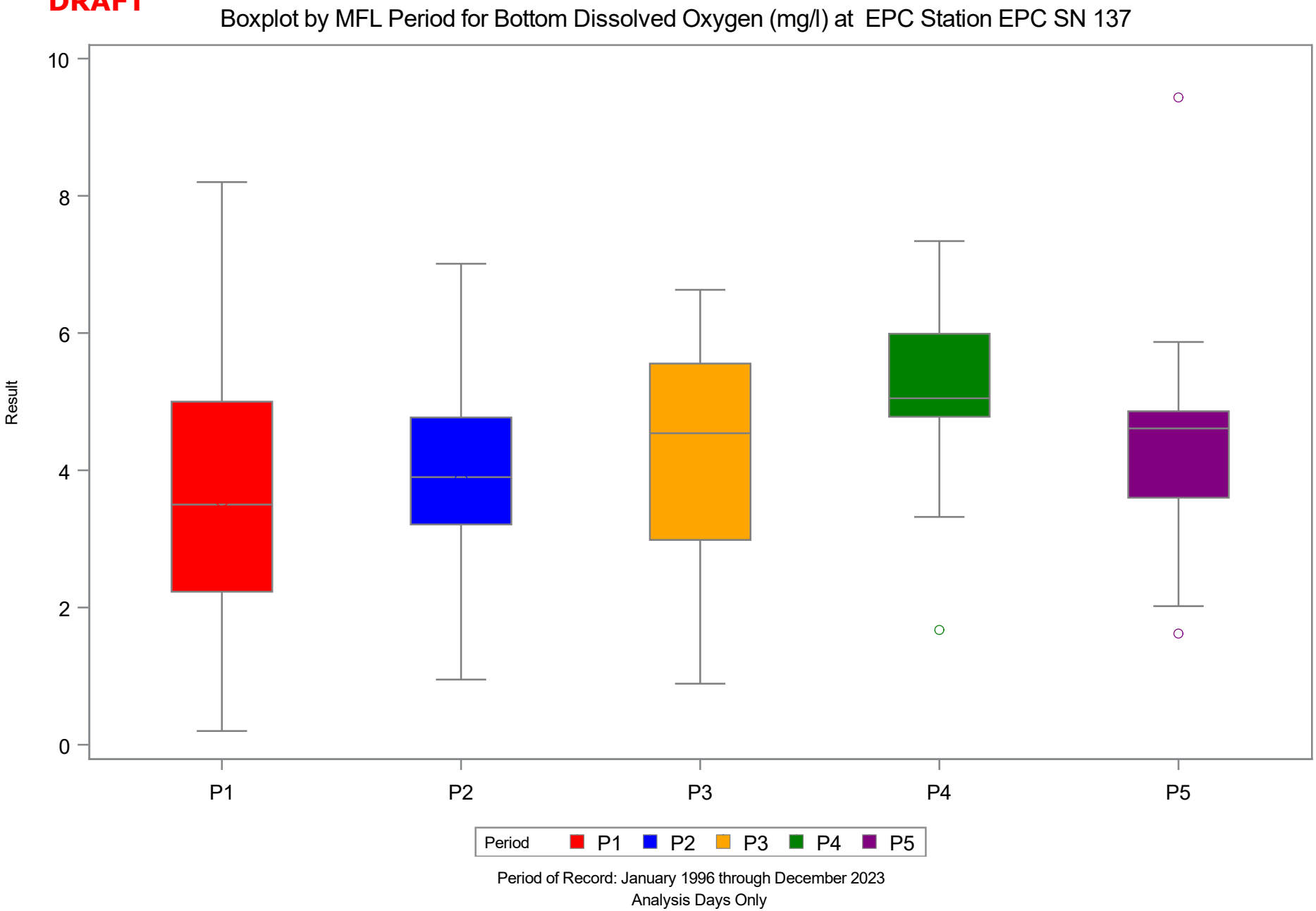
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 137

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.20	2.23	3.57	3.50	5.00	8.20
P2	41	0.95	3.21	3.85	3.90	4.77	7.01
P3	24	0.89	2.99	4.25	4.54	5.56	6.63
P4	21	1.67	4.78	5.18	5.05	5.99	7.34
P5	21	1.62	3.60	4.40	4.61	4.86	9.44

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 137
Result
10
8
6
4
2
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

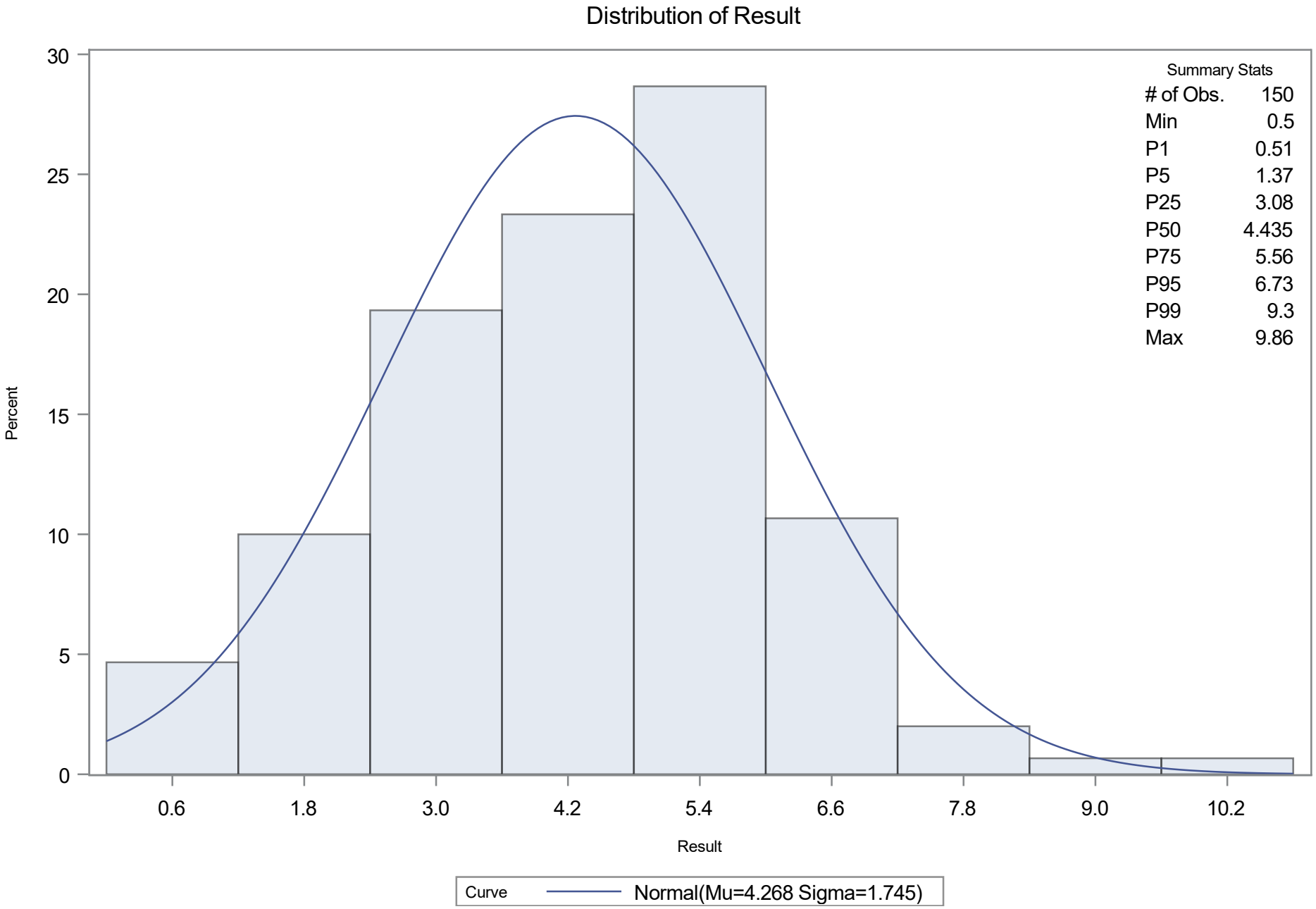
DRAFT

Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 137

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.268
Std Dev	Sigma	1.745001

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05539545	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06592576	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44904810	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.51000	0.20852
5.0	1.37000	1.39773
10.0	2.00000	2.03169
25.0	3.08000	3.09101
50.0	4.43500	4.26800
75.0	5.56000	5.44499
90.0	6.15000	6.50431
95.0	6.73000	7.13827
99.0	9.30000	8.32748

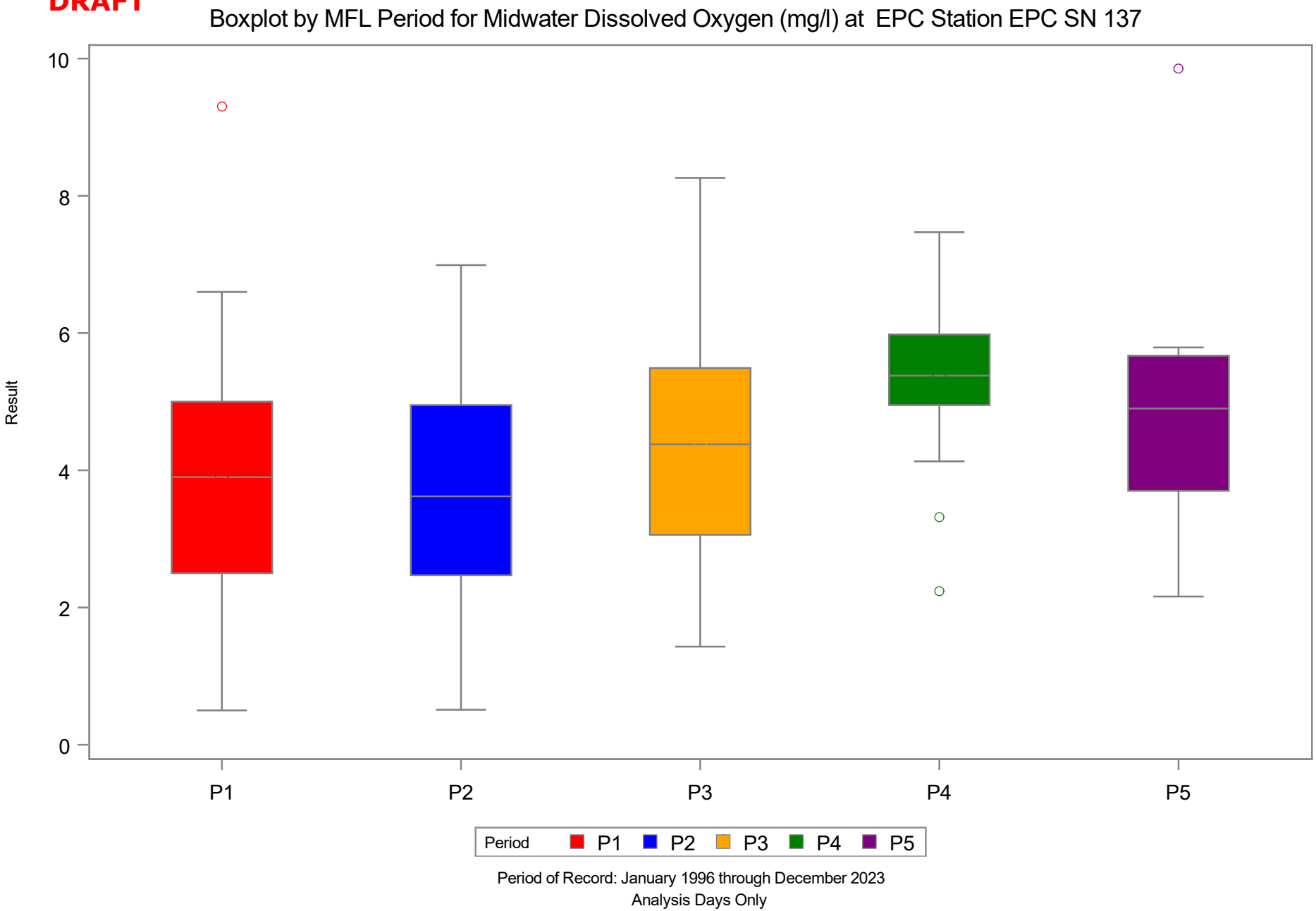
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 137**

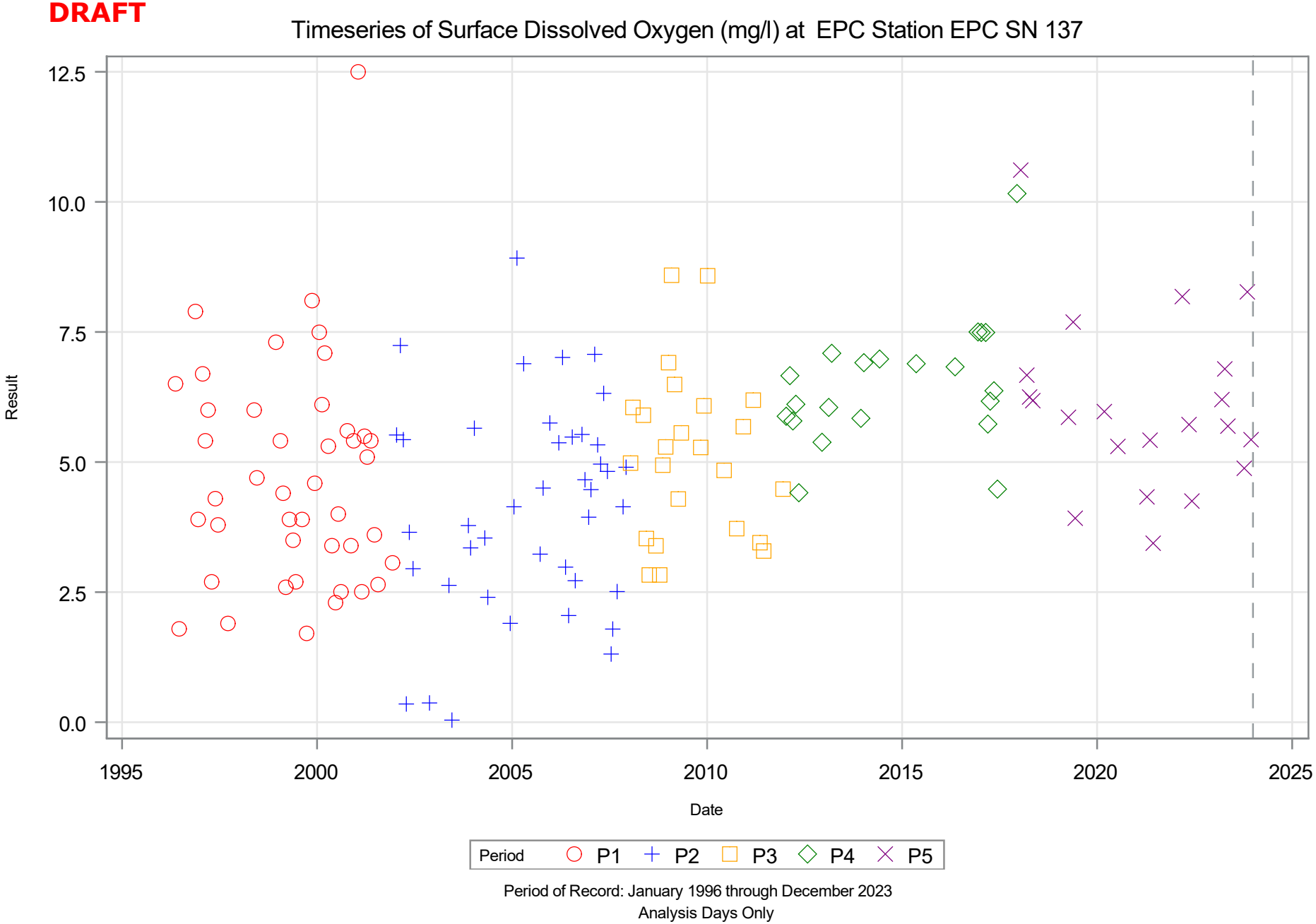
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.50	2.50	3.91	3.90	5.00	9.30
P2	41	0.51	2.47	3.73	3.62	4.95	6.99
P3	24	1.43	3.06	4.40	4.38	5.49	8.26
P4	21	2.24	4.95	5.39	5.38	5.98	7.47
P5	21	2.16	3.70	4.77	4.90	5.67	9.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

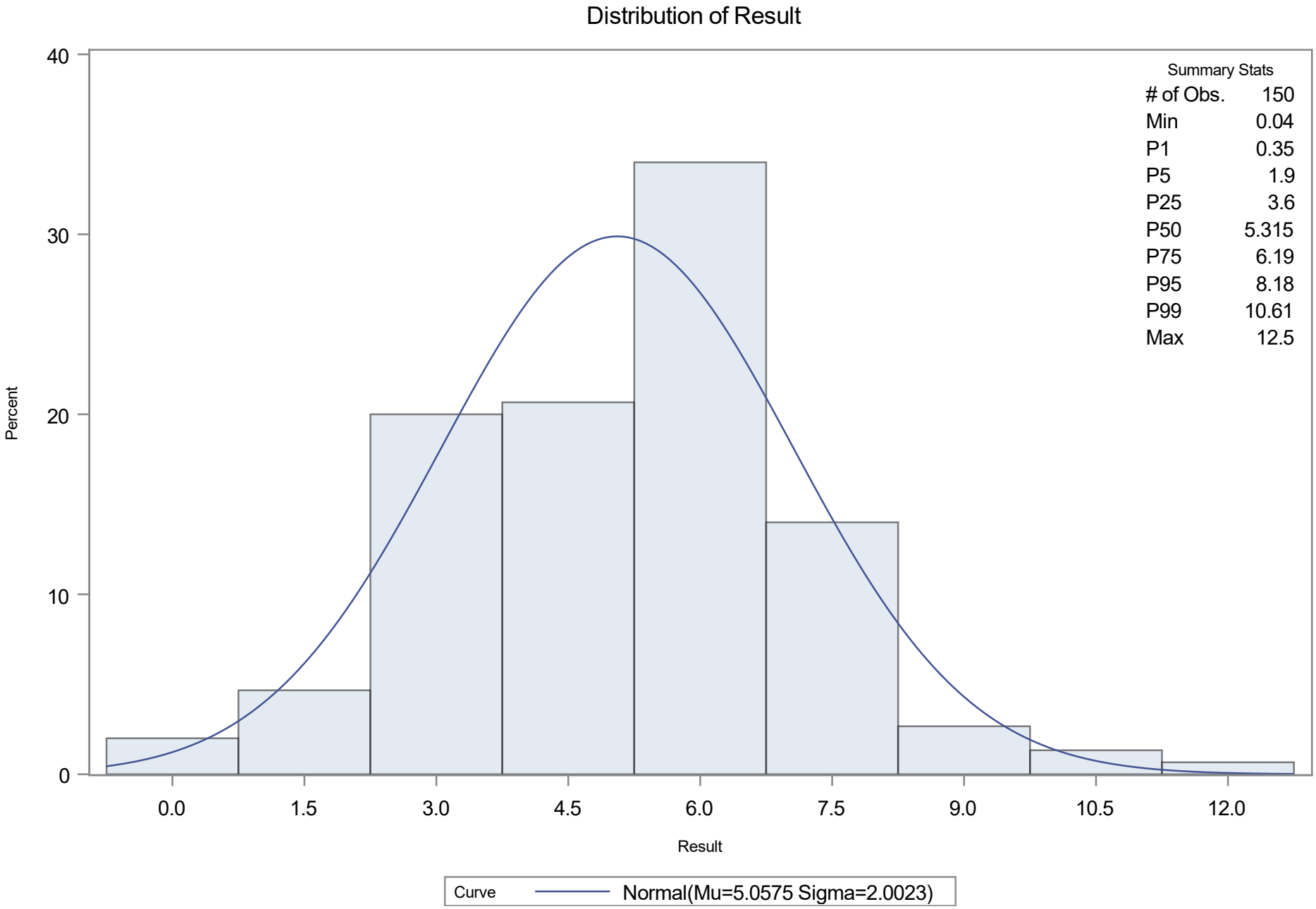

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 137
Result
10
8
6
4
2
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 137
Result
12.5
10.0
7.5
5.0
2.5
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.057467
Std Dev	Sigma	2.002282

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07091395	**Pr > D**	0.065
Cramer-von Mises	**W-Sq**	0.06741667	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.43538751	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.35000	0.39946
5.0	1.90000	1.76401
10.0	2.55500	2.49144
25.0	3.60000	3.70695
50.0	5.31500	5.05747
75.0	6.19000	6.40799
90.0	7.39500	7.62349
95.0	8.18000	8.35093
99.0	10.61000	9.71547

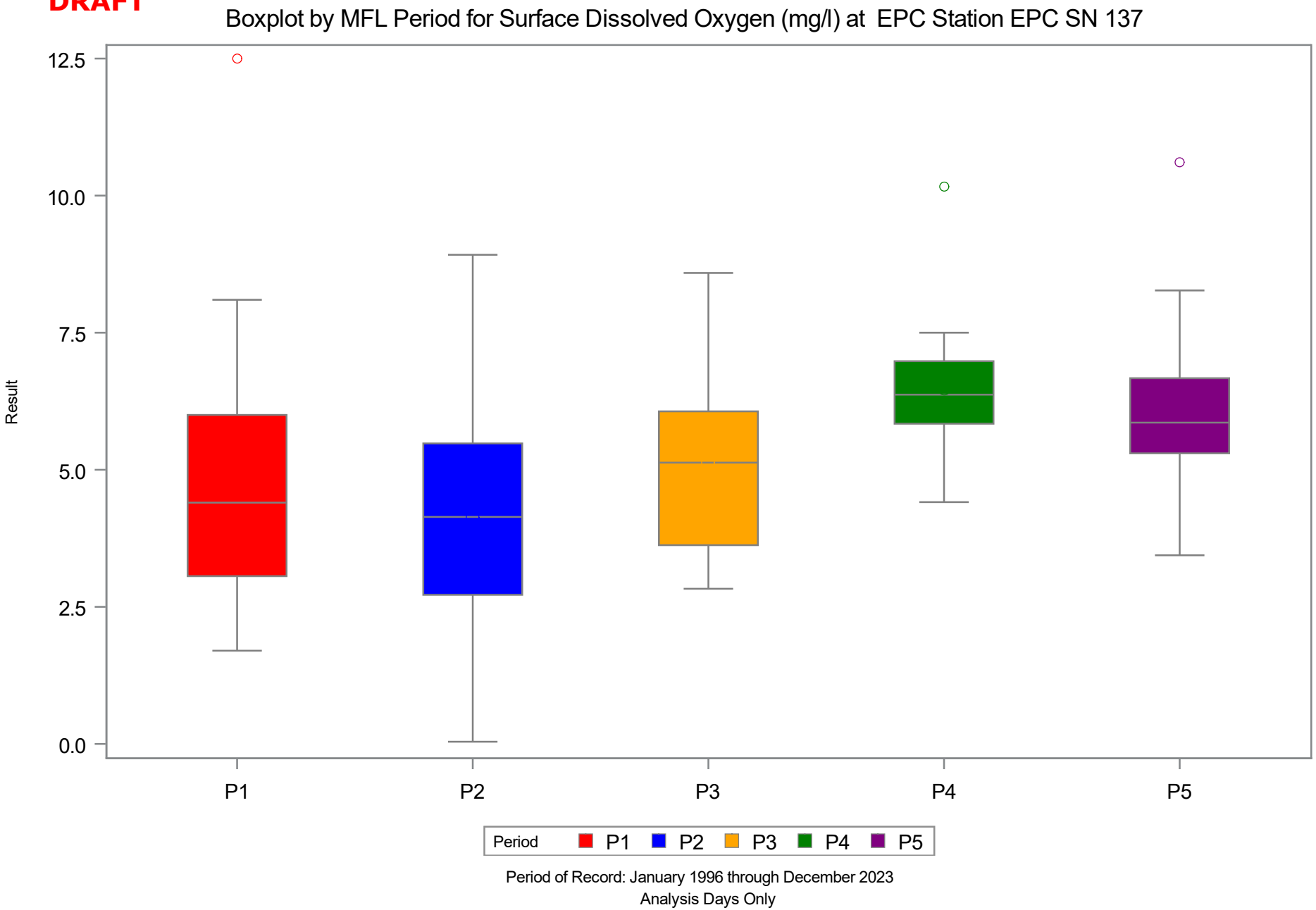
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 137**

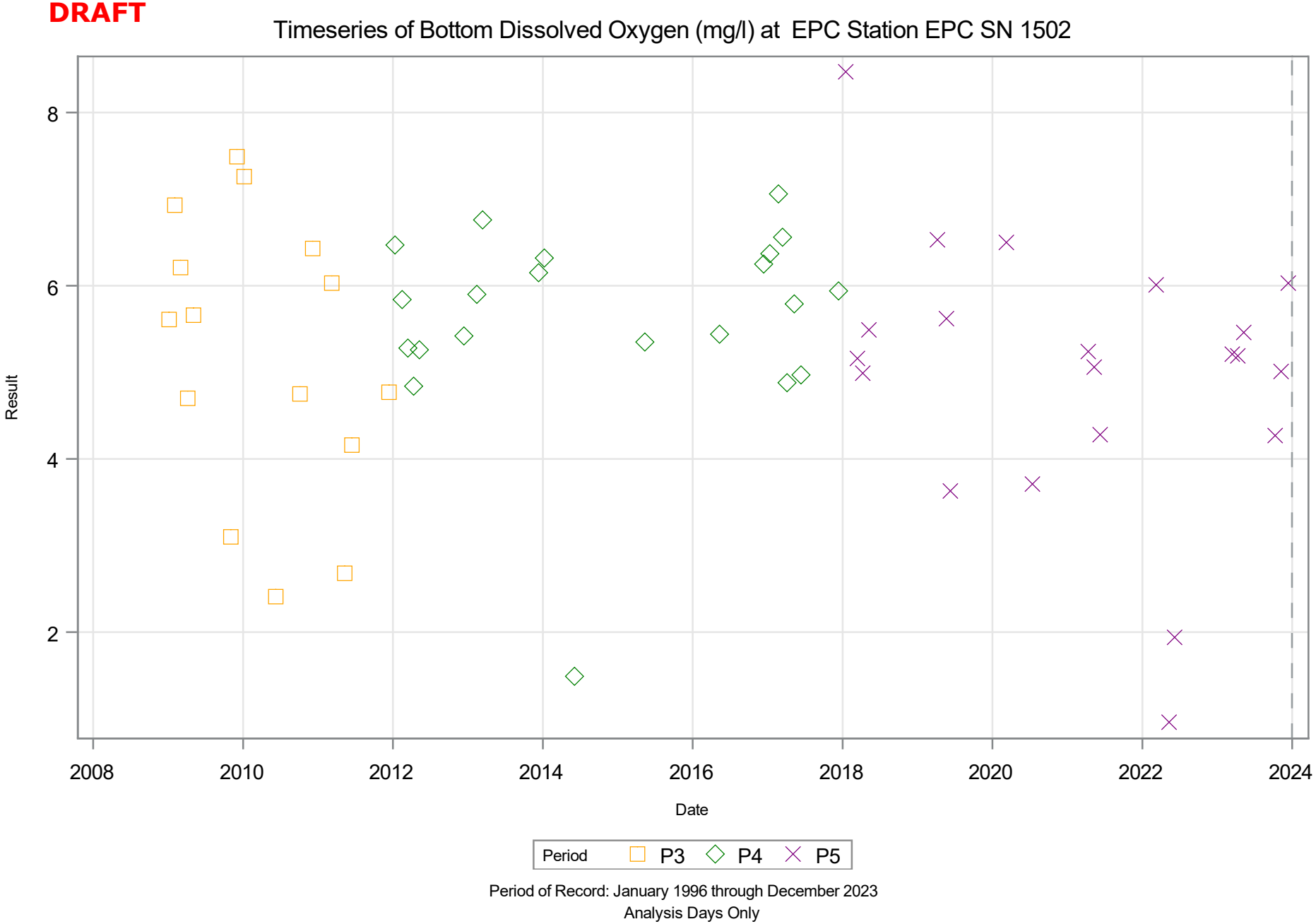
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	1.70	3.06	4.71	4.40	6.00	12.50
P2	41	0.04	2.72	4.14	4.14	5.48	8.92
P3	24	2.83	3.63	5.13	5.13	6.07	8.59
P4	21	4.41	5.84	6.49	6.37	6.98	10.16
P5	21	3.44	5.30	6.05	5.86	6.67	10.61

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 137
Result
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

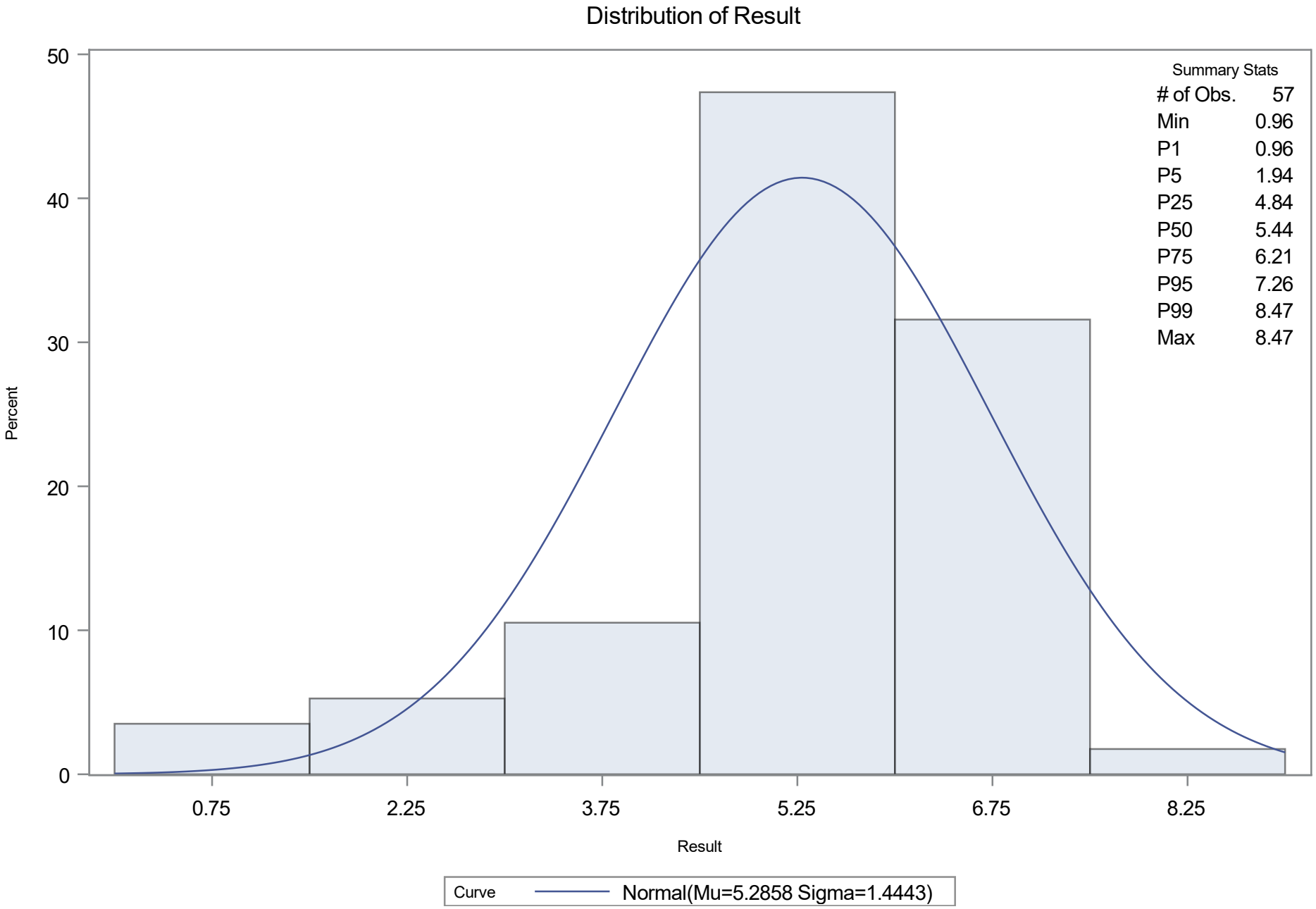
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.285789
Std Dev	Sigma	1.44434

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14954466	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.23191406	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.38461457	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.96000	1.92575
5.0	1.94000	2.91006
10.0	3.10000	3.43479
25.0	4.84000	4.31160
50.0	5.44000	5.28579
75.0	6.21000	6.25998
90.0	6.76000	7.13679
95.0	7.26000	7.66152
99.0	8.47000	8.64583

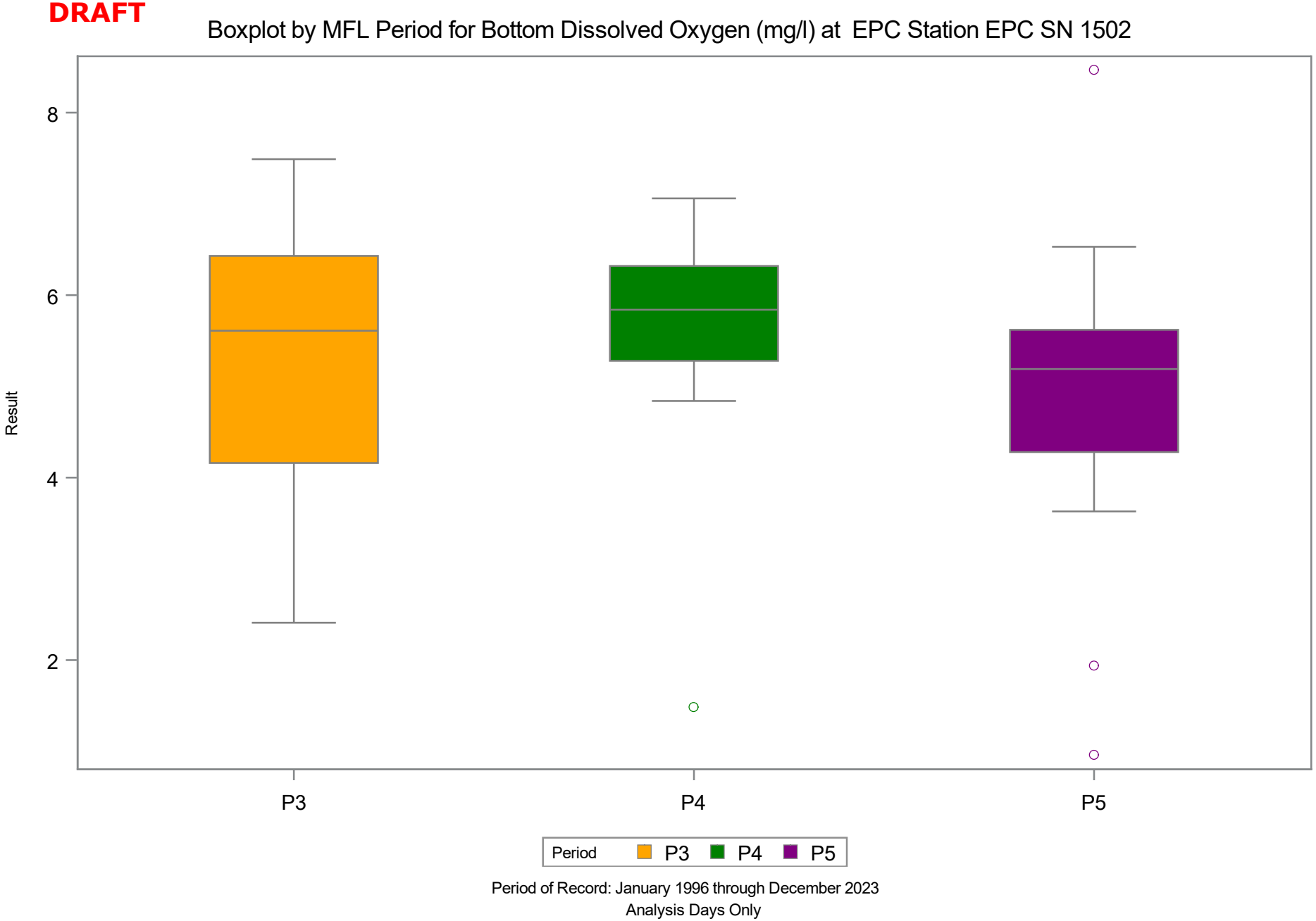
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502**

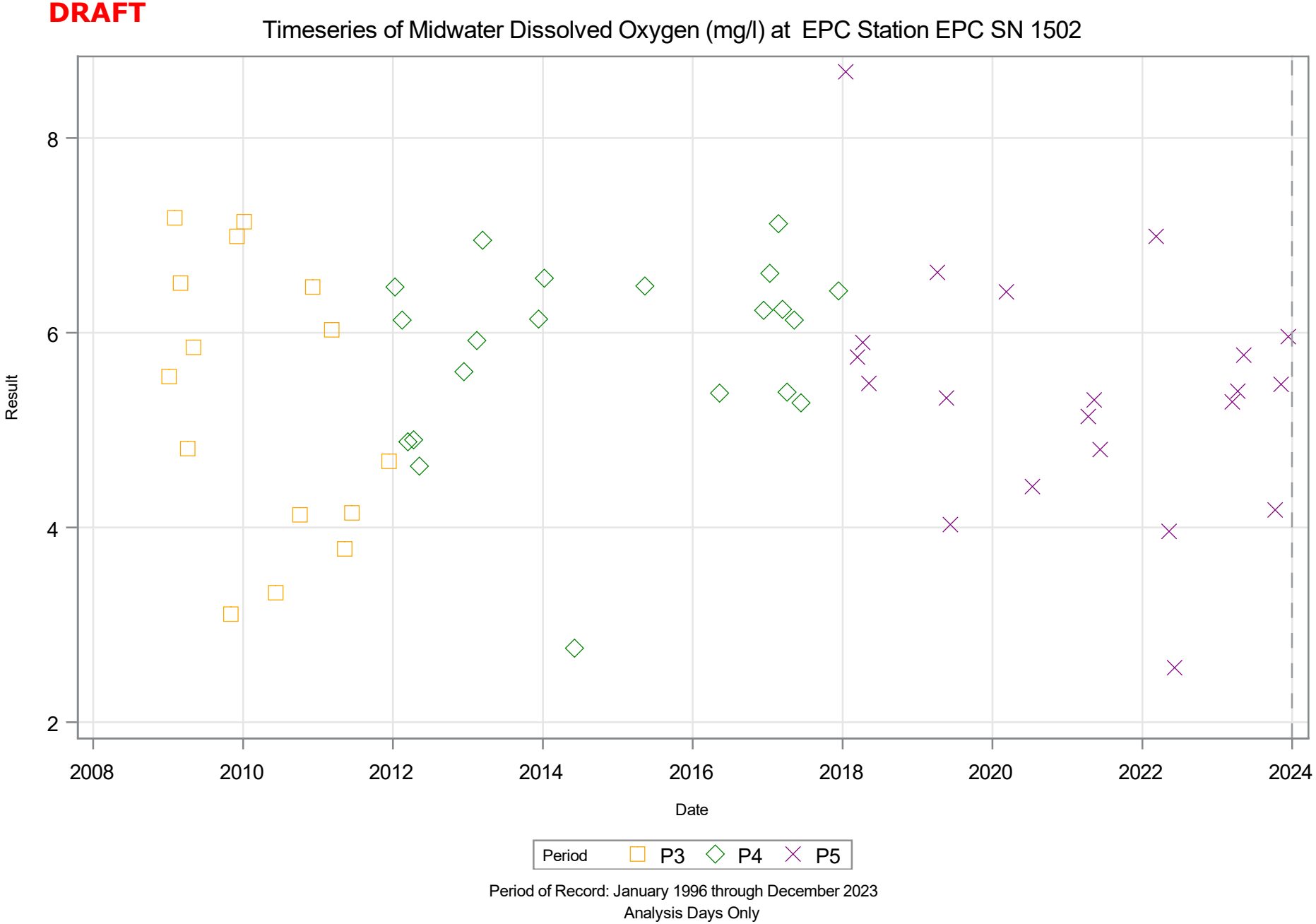
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.41	4.16	5.21	5.61	6.43	7.49
P4	21	1.49	5.28	5.64	5.84	6.32	7.06
P5	21	0.96	4.28	4.99	5.19	5.62	8.47

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502
Result
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

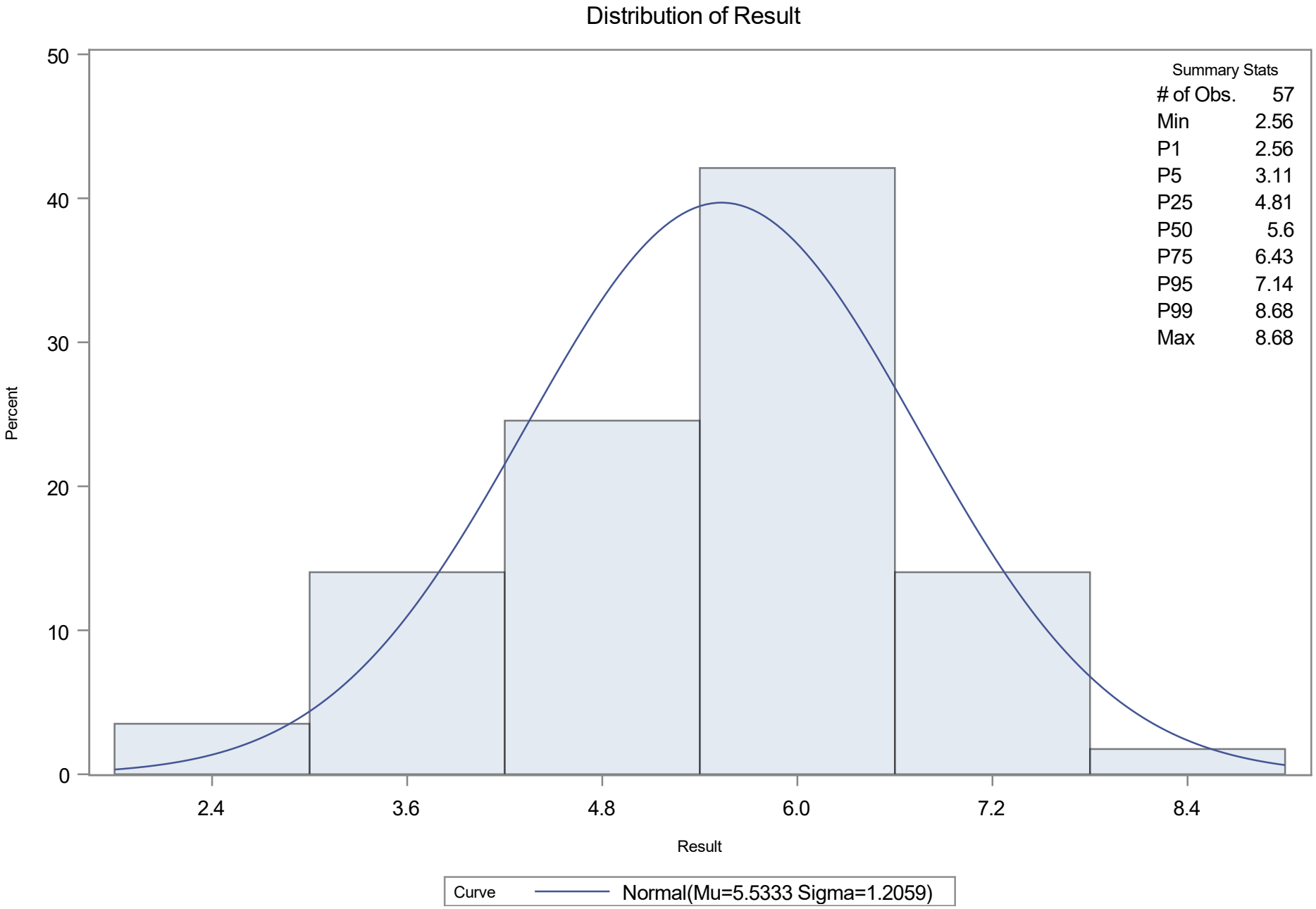
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.533333
Std Dev	Sigma	1.205872

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10101190	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07733828	**Pr > W-Sq**	0.226
Anderson-Darling	**A-Sq**	0.50844133	**Pr > A-Sq**	0.200

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.56000	2.72806
5.0	3.11000	3.54985
10.0	3.96000	3.98795
25.0	4.81000	4.71999
50.0	5.60000	5.53333
75.0	6.43000	6.34668
90.0	6.99000	7.07872
95.0	7.14000	7.51682
99.0	8.68000	8.33861

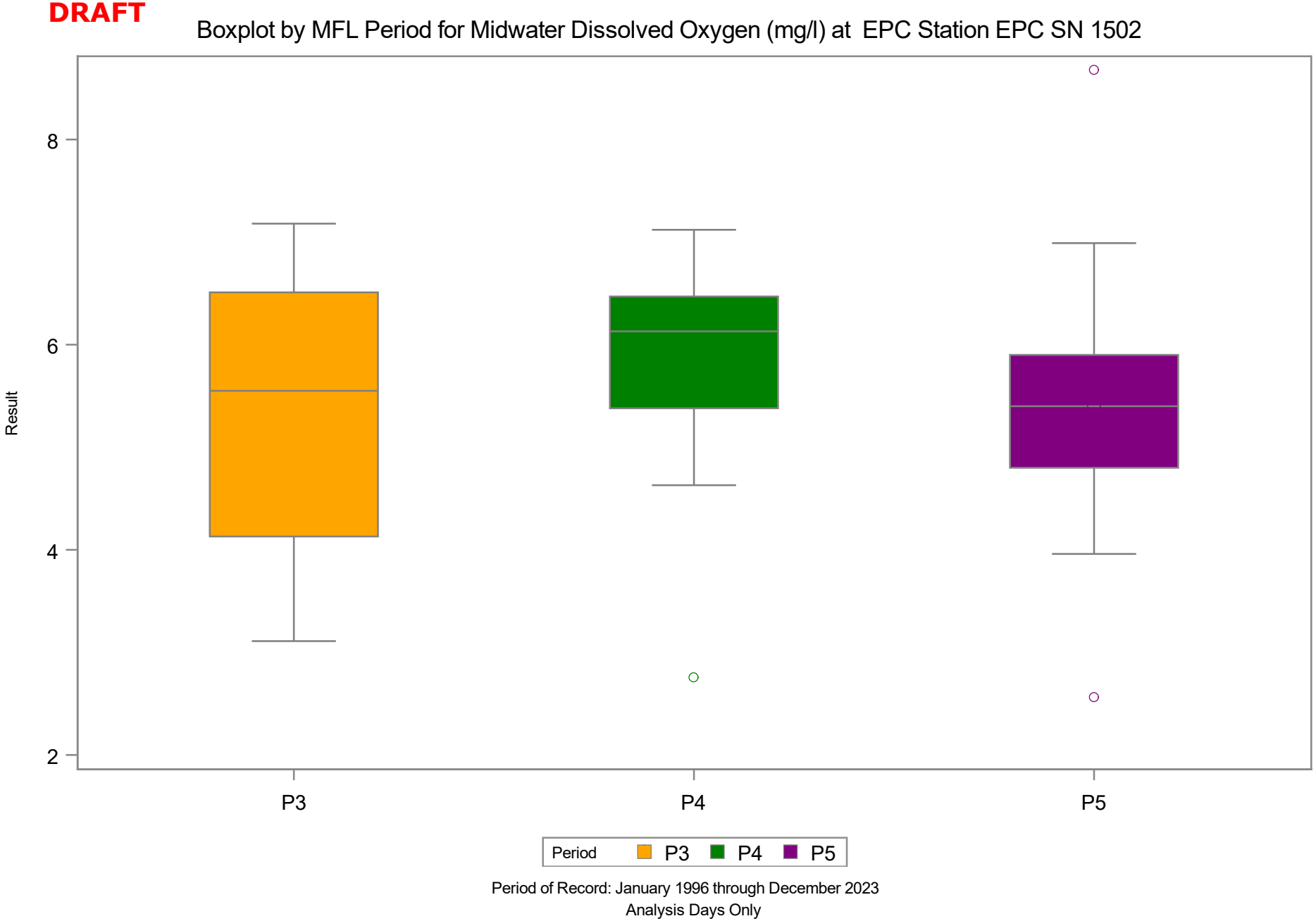
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	3.11	4.13	5.31	5.55	6.51	7.18
P4	21	2.76	5.38	5.82	6.13	6.47	7.12
P5	21	2.56	4.80	5.40	5.40	5.90	8.68

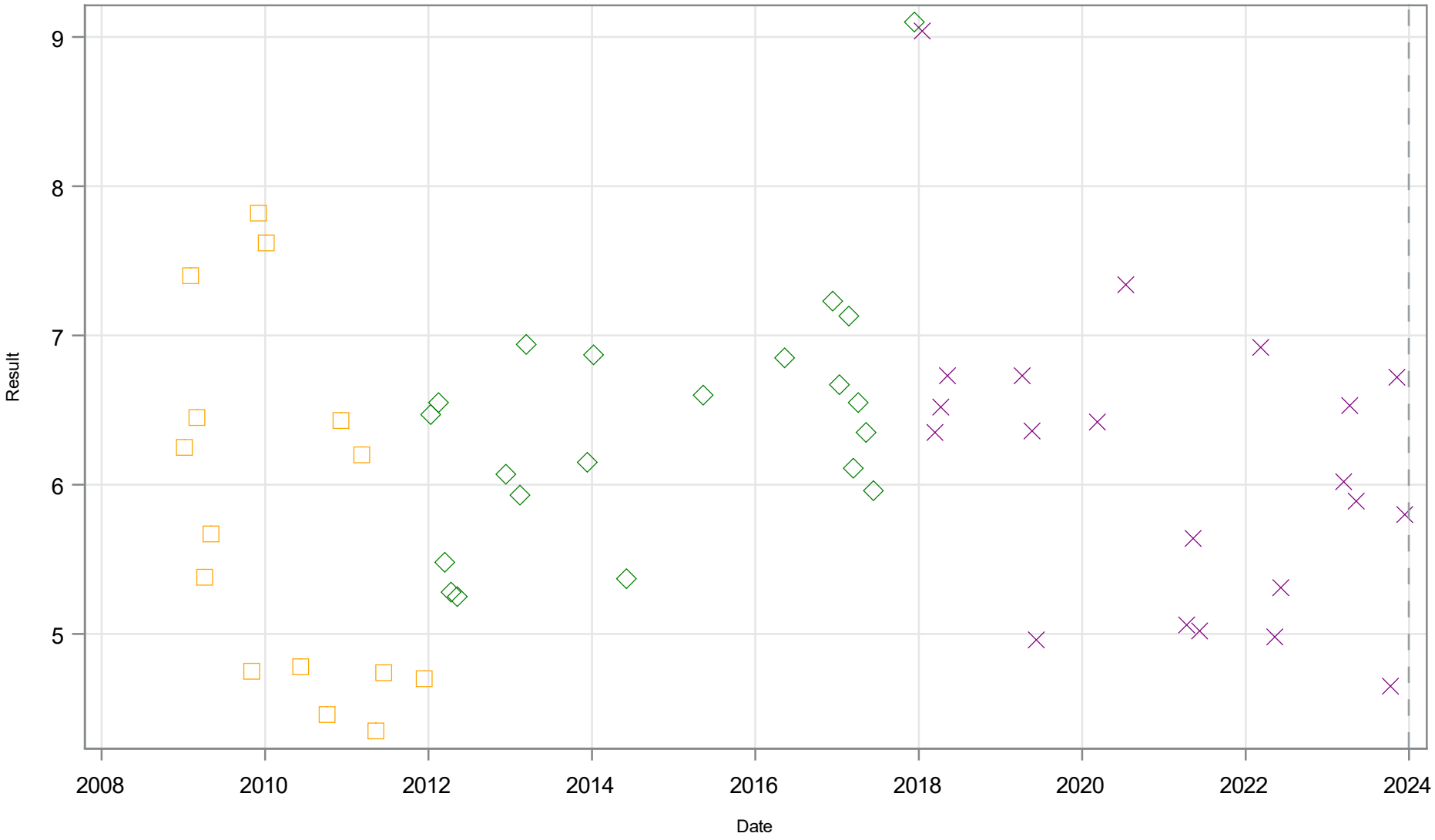
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502
Result
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

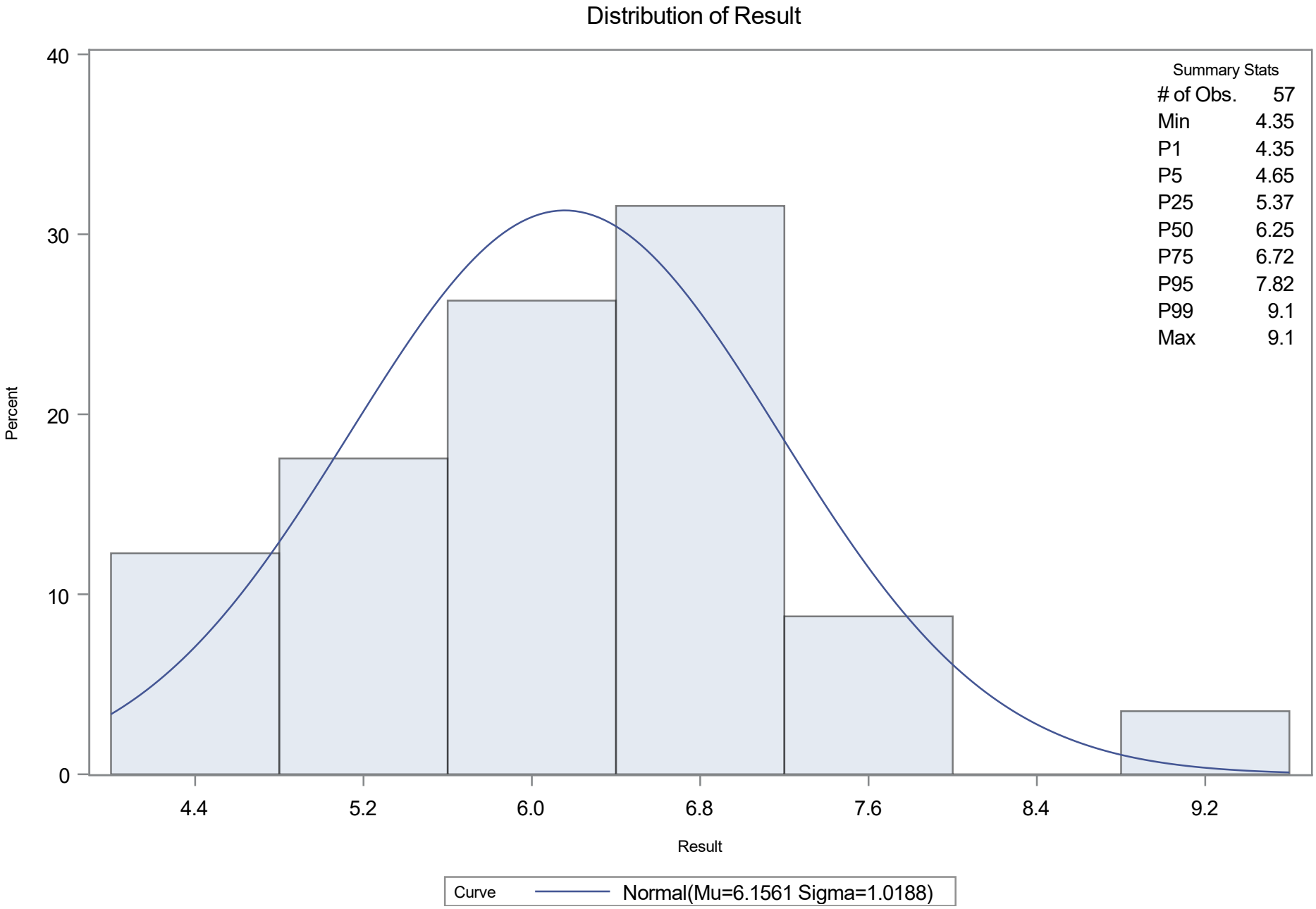
Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.15614
Std Dev	Sigma	1.018766

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08047100	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06670439	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.52289622	**Pr > A-Sq**	0.184

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.35000	3.78614
5.0	4.65000	4.48042
10.0	4.75000	4.85054
25.0	5.37000	5.46899
50.0	6.25000	6.15614
75.0	6.72000	6.84329
90.0	7.34000	7.46174
95.0	7.82000	7.83186
99.0	9.10000	8.52615

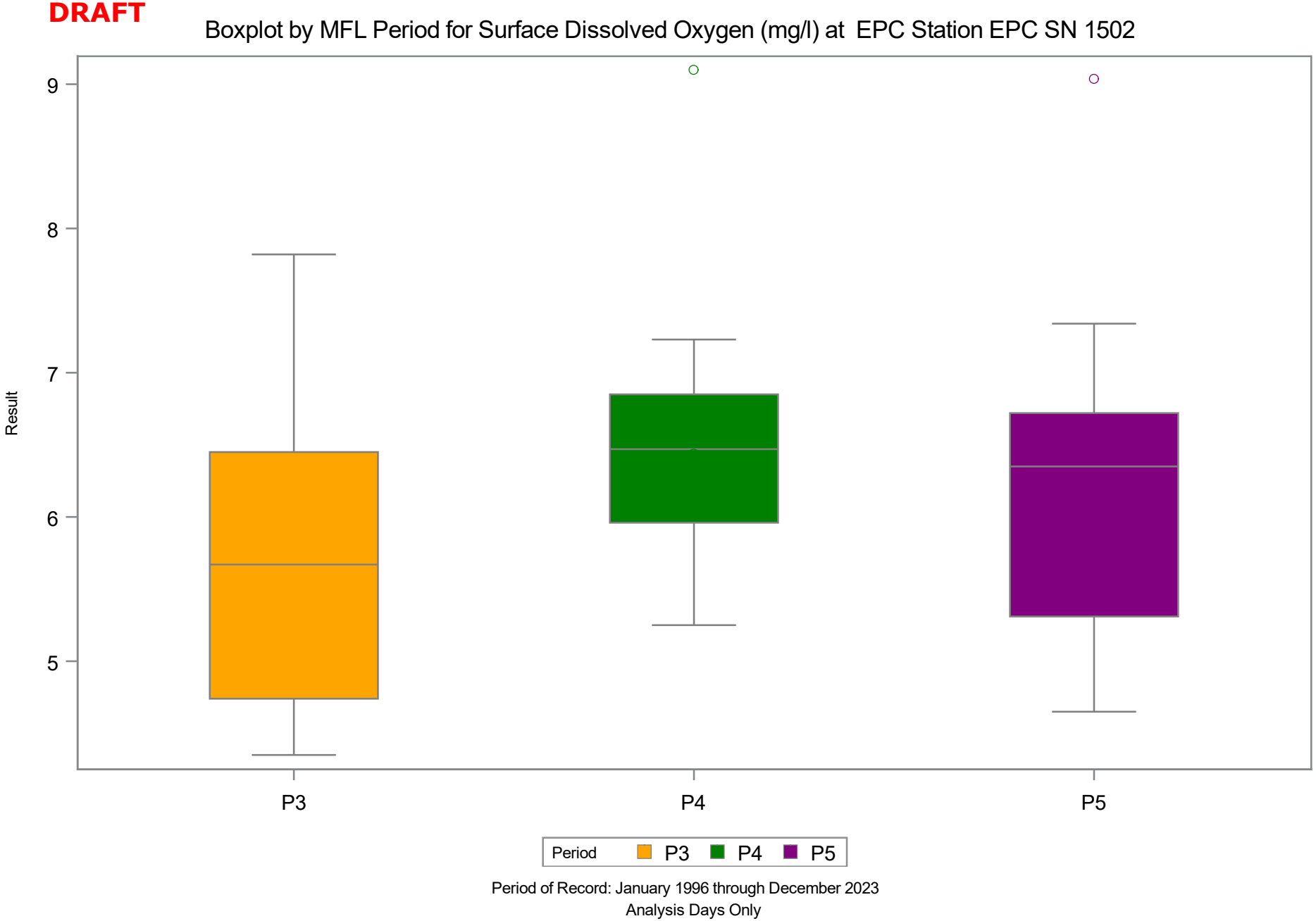
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502**

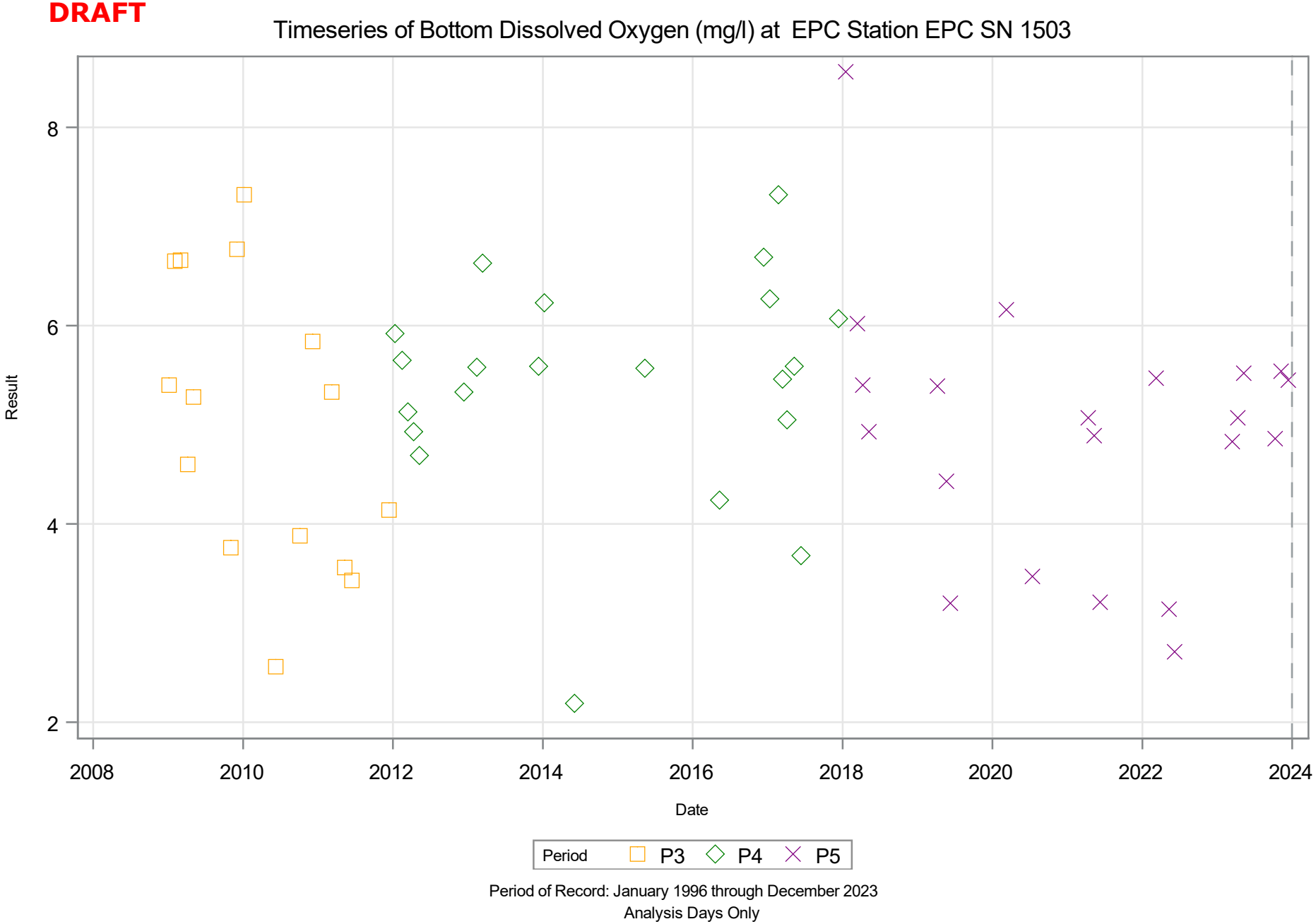
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	4.35	4.74	5.80	5.67	6.45	7.82
P4	21	5.25	5.96	6.42	6.47	6.85	9.10
P5	21	4.65	5.31	6.14	6.35	6.72	9.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

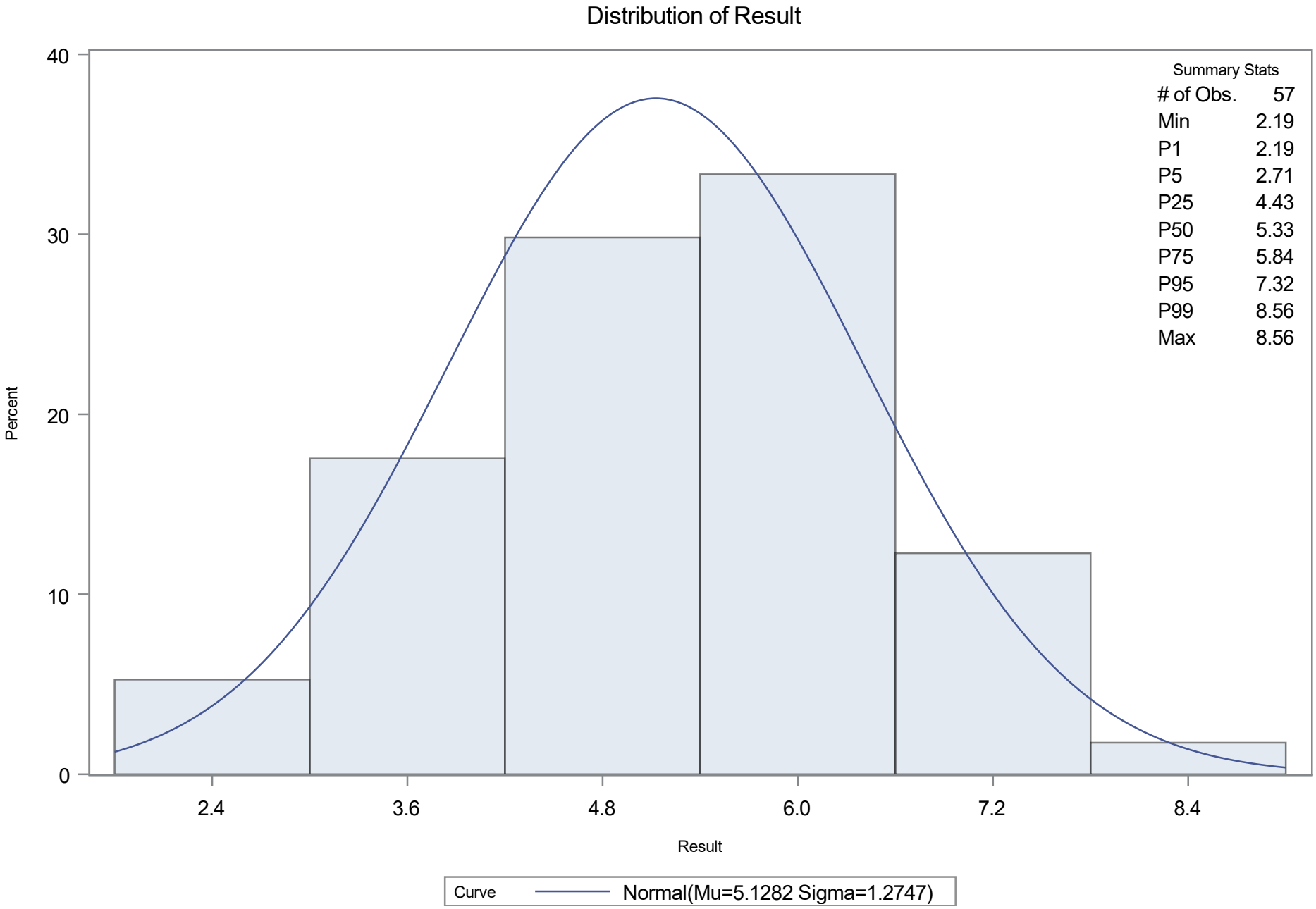

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1502
Result
9
8
7
6
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503
Result
8
6
4
2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.128246
Std Dev	Sigma	1.274671

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10925522	**Pr > D**	0.089
Cramer-von Mises	**W-Sq**	0.12437068	**Pr > W-Sq**	0.051
Anderson-Darling	**A-Sq**	0.63548058	**Pr > A-Sq**	0.095

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.19000	2.16292
5.0	2.71000	3.03160
10.0	3.21000	3.49469
25.0	4.43000	4.26849
50.0	5.33000	5.12825
75.0	5.84000	5.98800
90.0	6.66000	6.76180
95.0	7.32000	7.22489
99.0	8.56000	8.09357

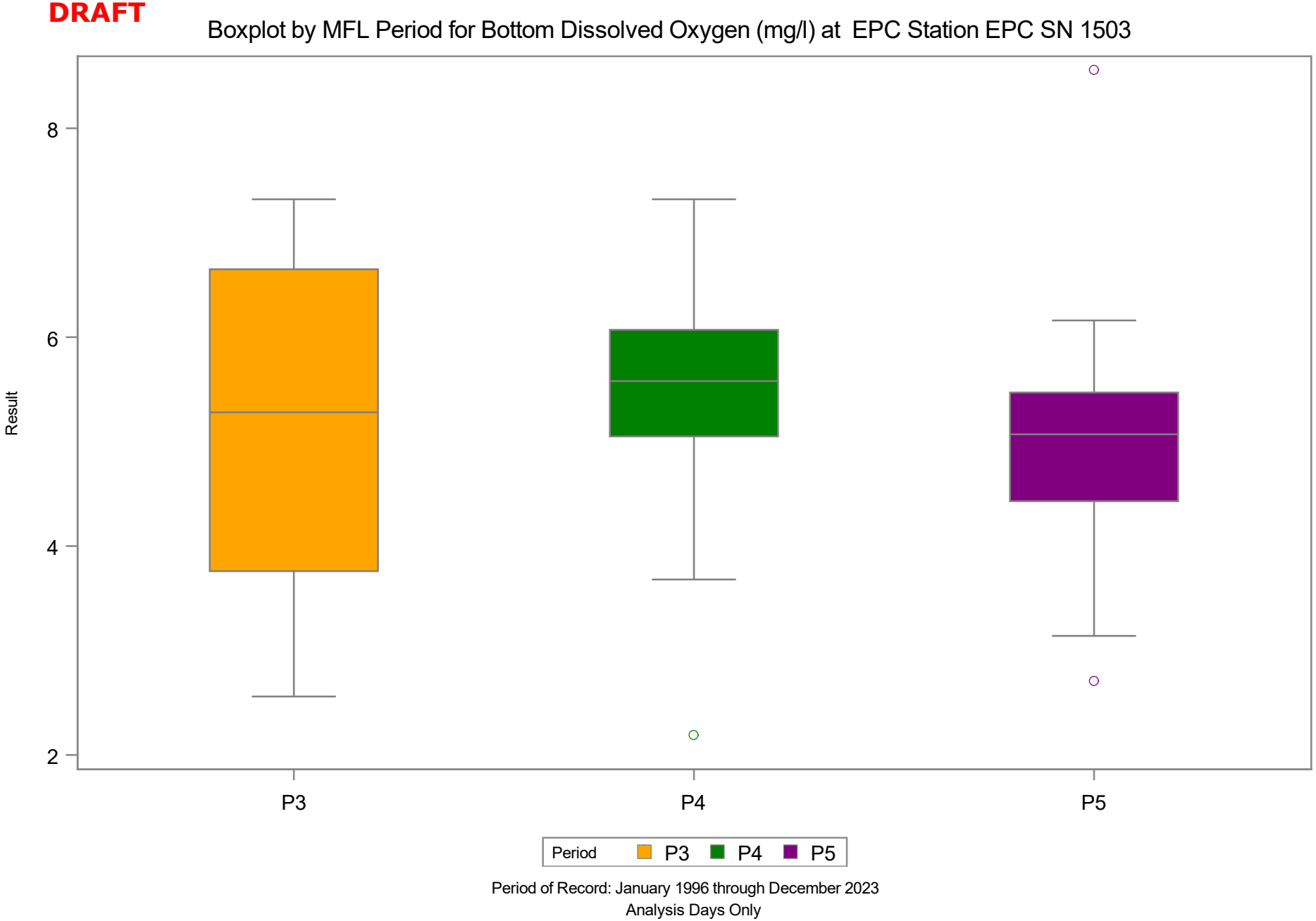
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.56	3.76	5.01	5.28	6.65	7.32
P4	21	2.19	5.05	5.42	5.58	6.07	7.32
P5	21	2.71	4.43	4.92	5.07	5.47	8.56

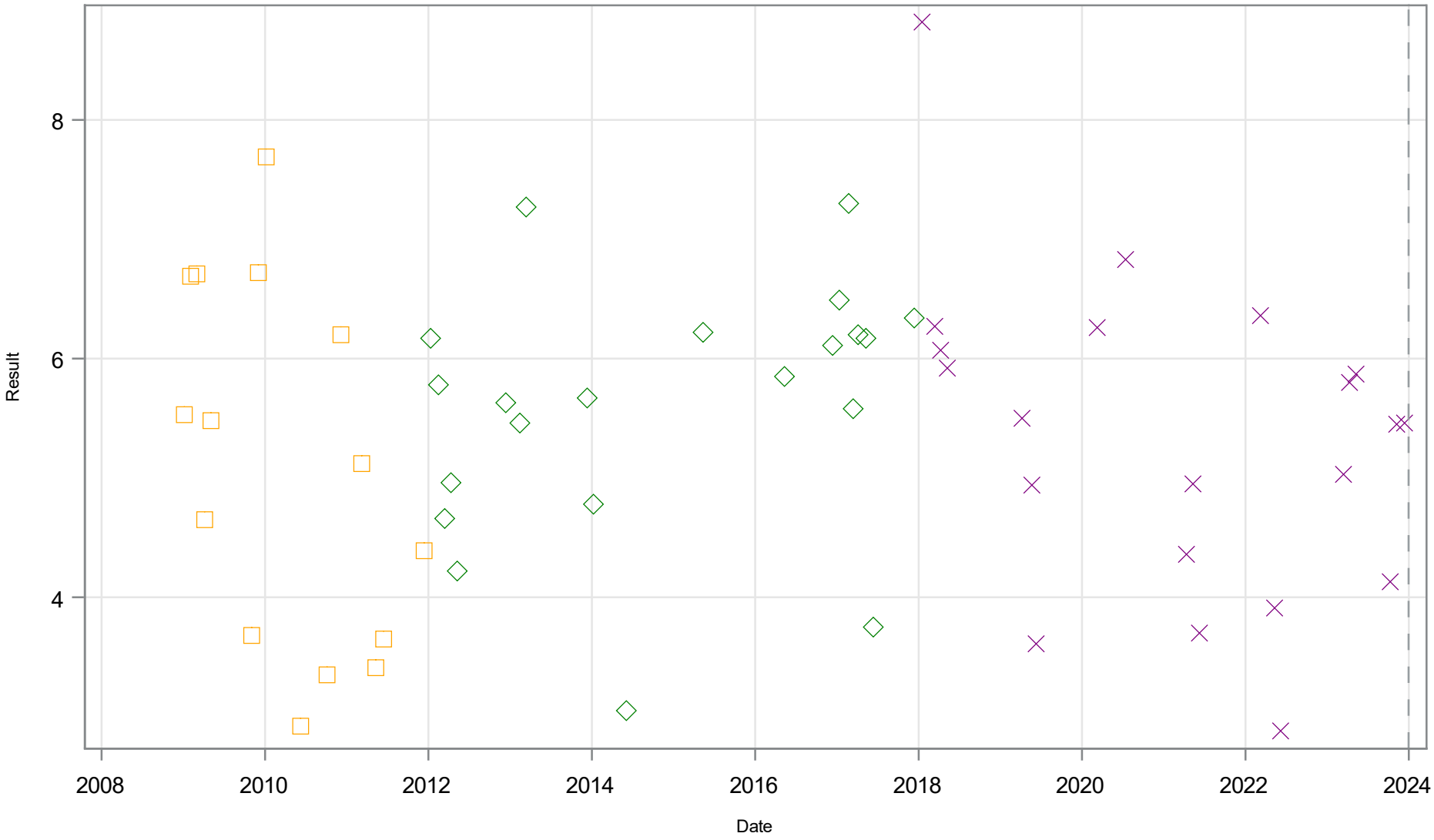
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503
Result
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

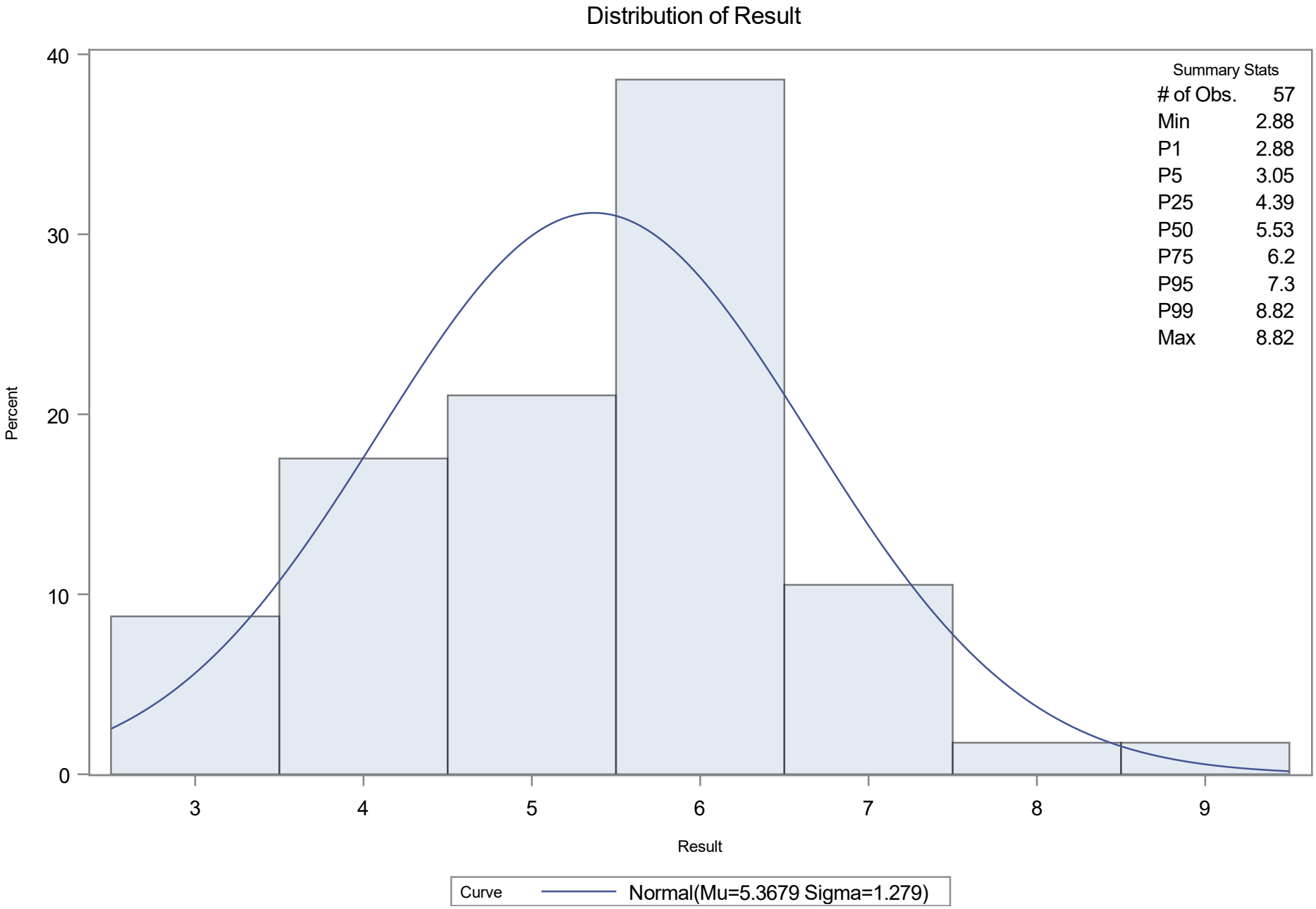
Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.367895
Std Dev	Sigma	1.278982

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12208406	**Pr > D**	0.034
Cramer-von Mises	**W-Sq**	0.09977024	**Pr > W-Sq**	0.113
Anderson-Darling	**A-Sq**	0.58274034	**Pr > A-Sq**	0.129

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.88000	2.39254
5.0	3.05000	3.26416
10.0	3.61000	3.72881
25.0	4.39000	4.50523
50.0	5.53000	5.36789
75.0	6.20000	6.23056
90.0	6.72000	7.00698
95.0	7.30000	7.47163
99.0	8.82000	8.34325

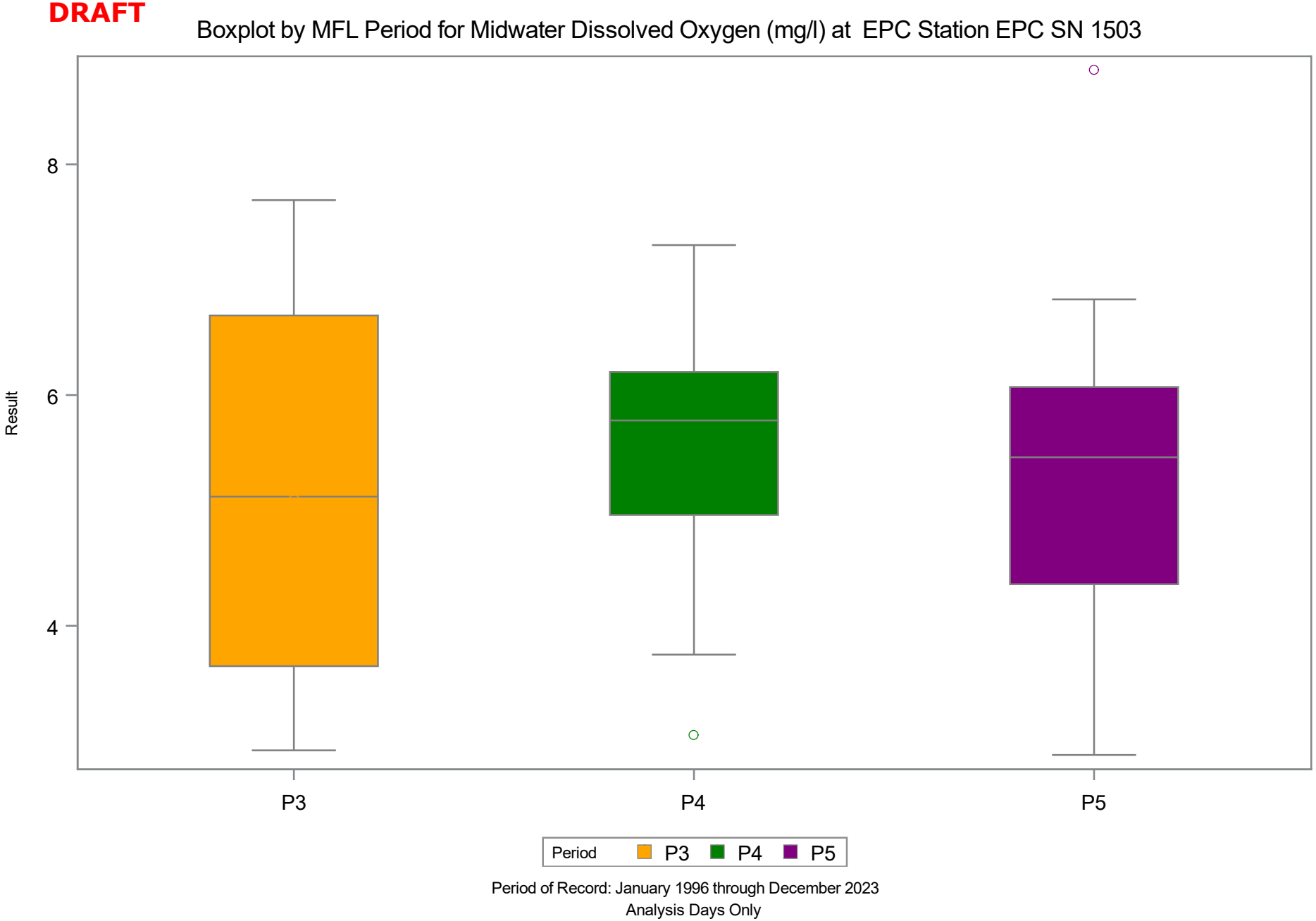
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503**

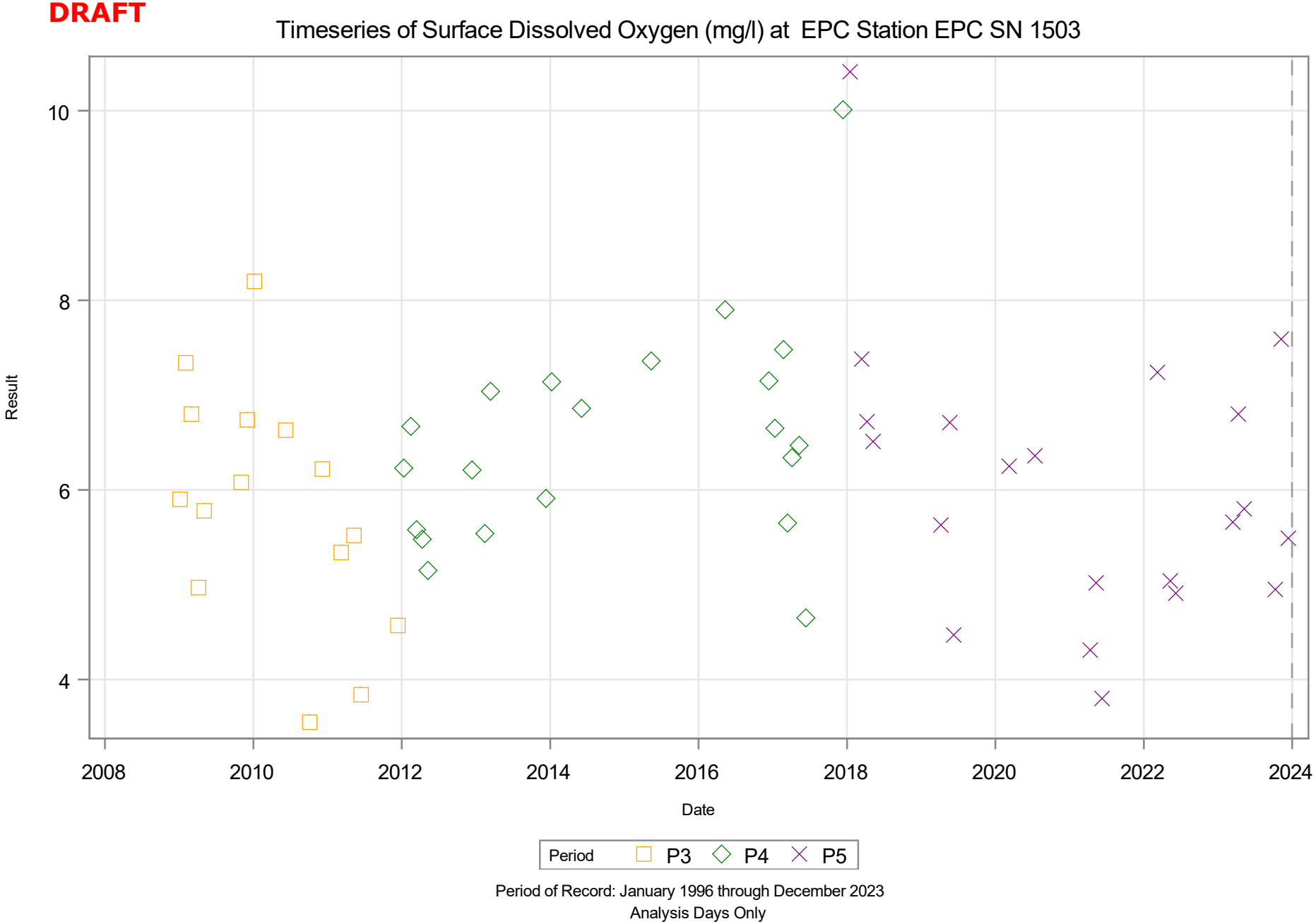
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.92	3.65	5.08	5.12	6.69	7.69
P4	21	3.05	4.96	5.60	5.78	6.20	7.30
P5	21	2.88	4.36	5.34	5.46	6.07	8.82

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

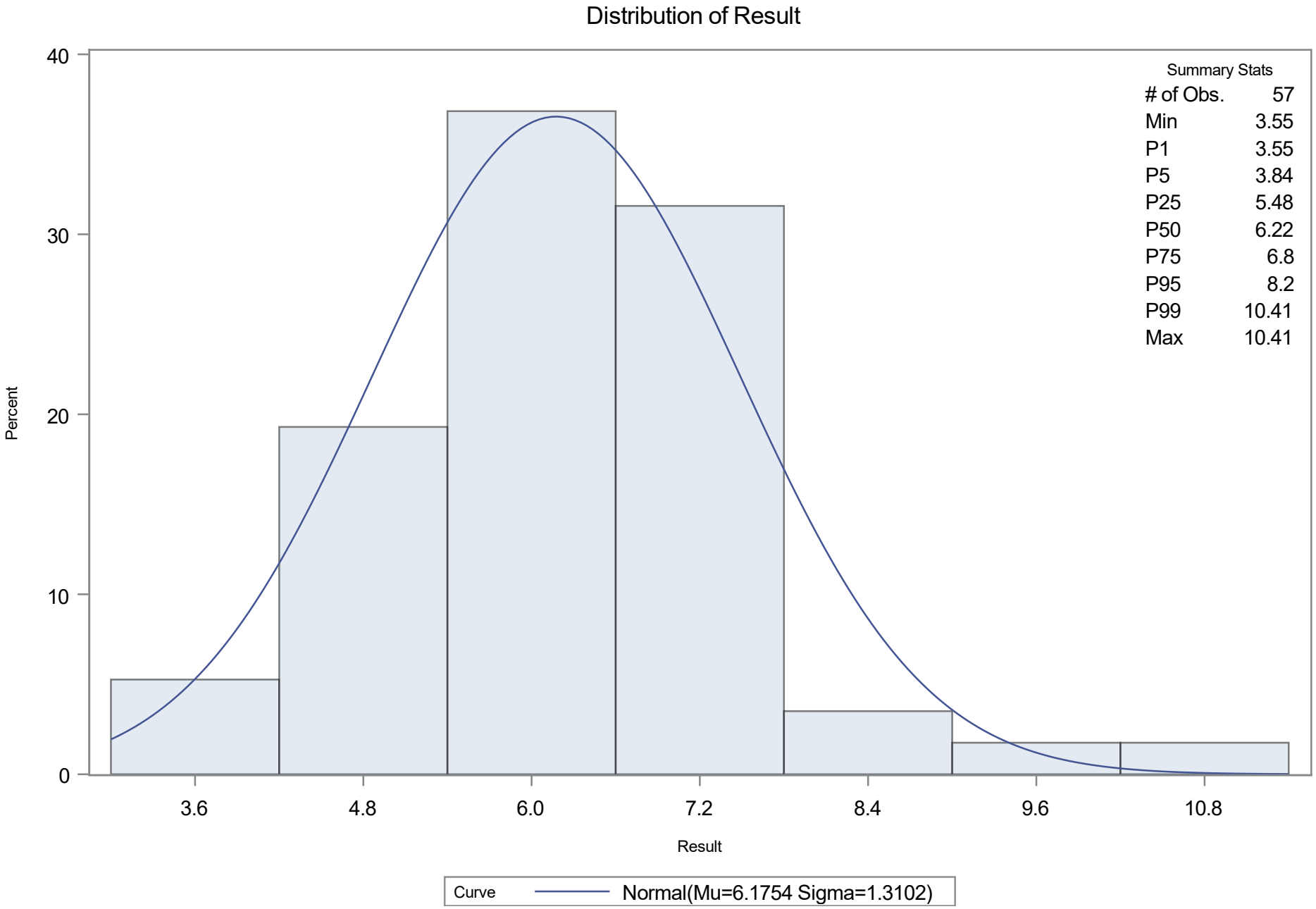

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503
Result
8
6
4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503
Result
10
8
6
4
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.175439
Std Dev	Sigma	1.310168

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07368140	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05010600	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.47123524	**Pr > A-Sq**	0.241

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.55000	3.12753
5.0	3.84000	4.02040
10.0	4.57000	4.49639
25.0	5.48000	5.29174
50.0	6.22000	6.17544
75.0	6.80000	7.05913
90.0	7.48000	7.85449
95.0	8.20000	8.33047
99.0	10.41000	9.22334

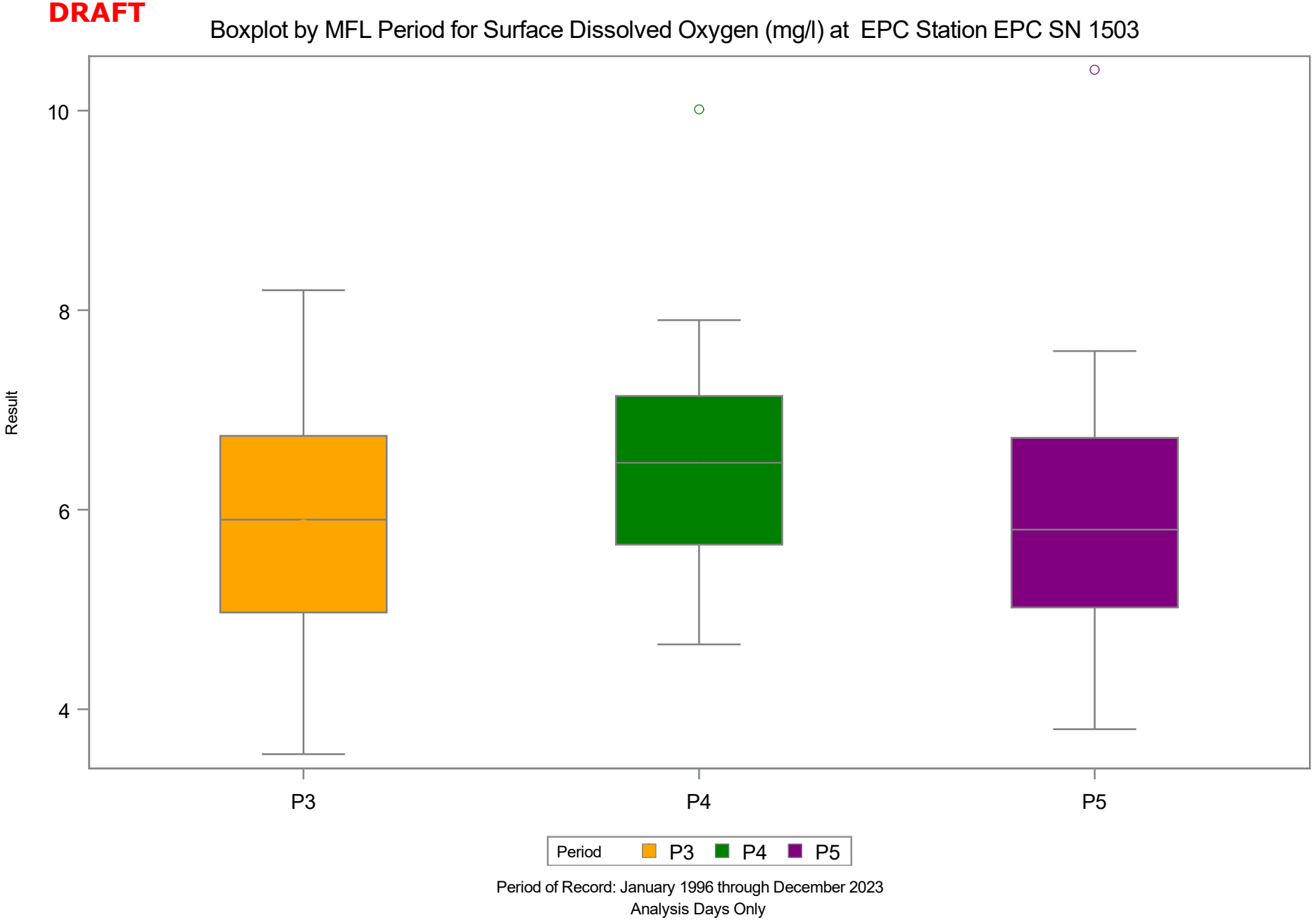
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503**

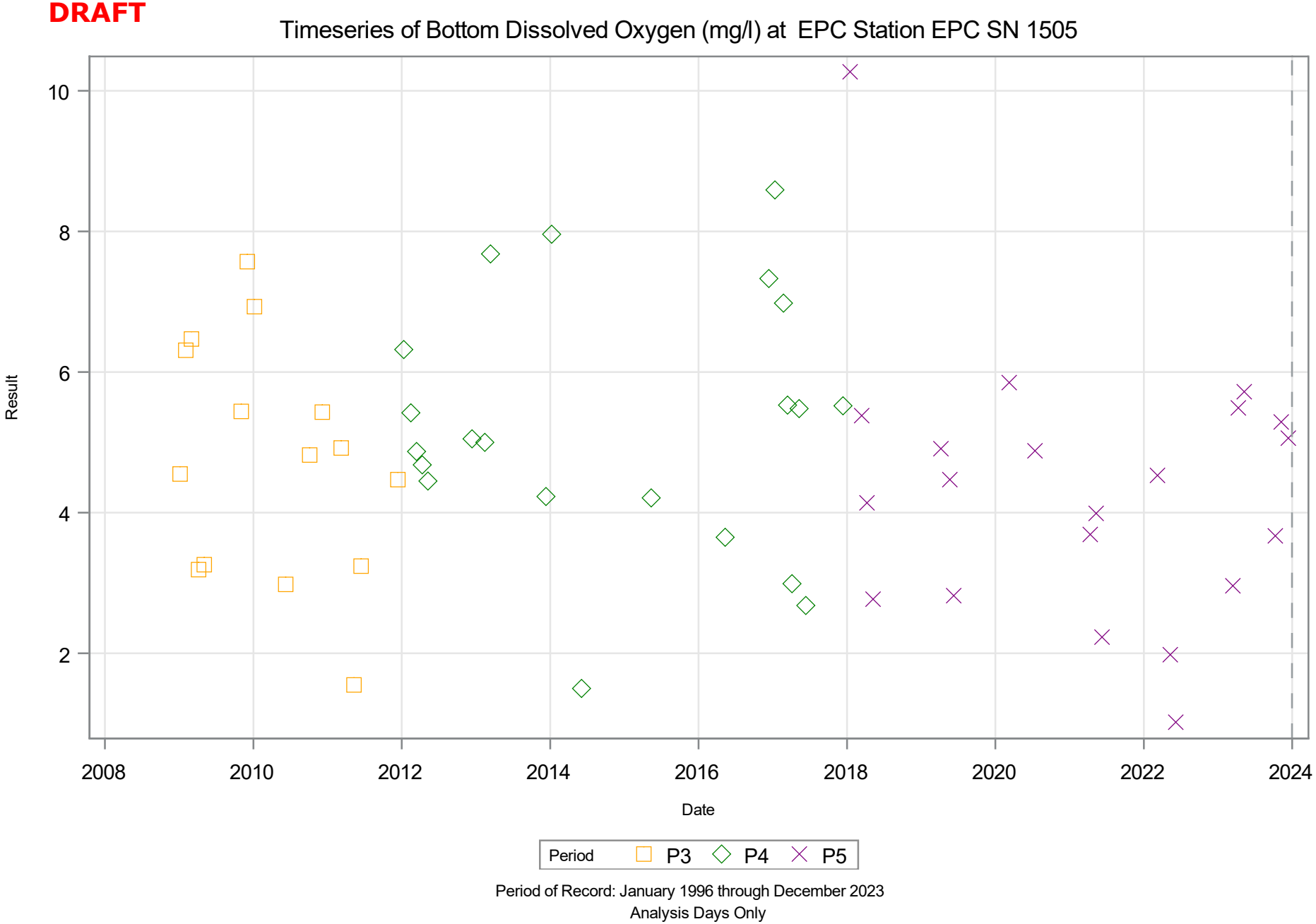
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	3.55	4.97	5.83	5.90	6.74	8.20
P4	21	4.65	5.65	6.55	6.47	7.14	10.01
P5	21	3.80	5.02	6.05	5.80	6.72	10.41

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1503
Result
10
8
6
4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

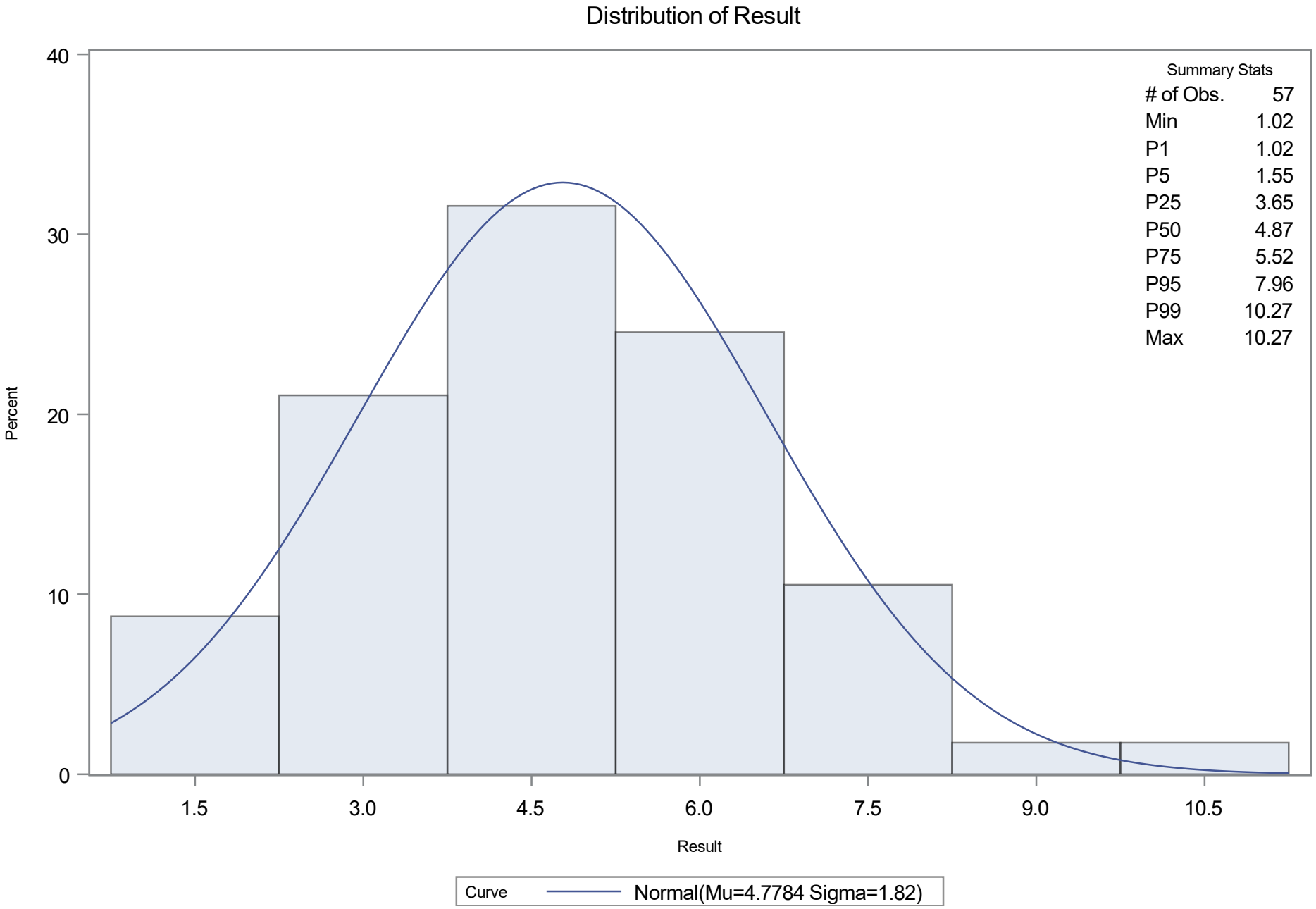
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.778421
Std Dev	Sigma	1.819963

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11174641	**Pr > D**	0.076
Cramer-von Mises	**W-Sq**	0.06713236	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37618014	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.02000	0.54455
5.0	1.55000	1.78485
10.0	2.68000	2.44604
25.0	3.65000	3.55087
50.0	4.87000	4.77842
75.0	5.52000	6.00597
90.0	7.33000	7.11080
95.0	7.96000	7.77199
99.0	10.27000	9.01229

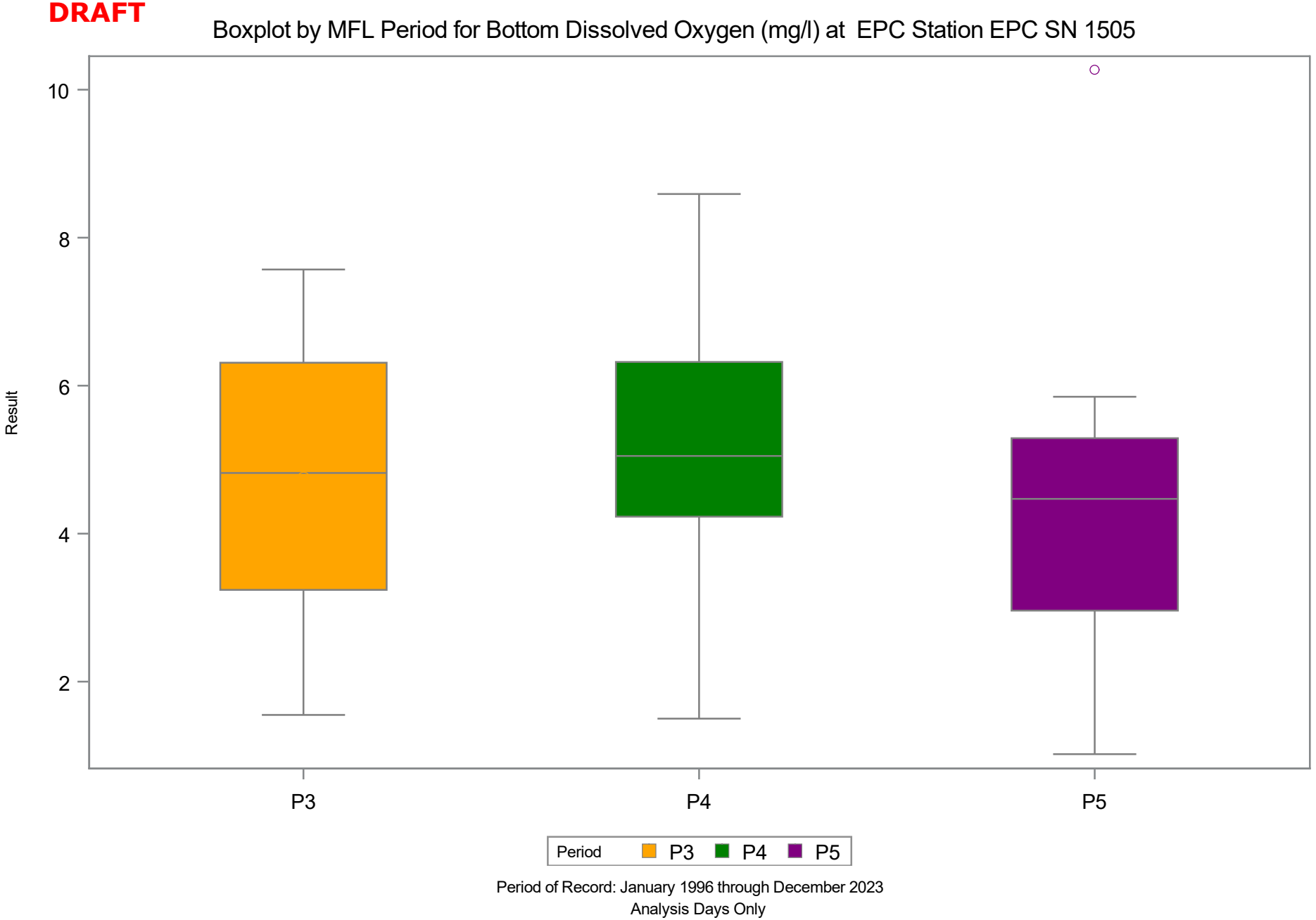
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505**

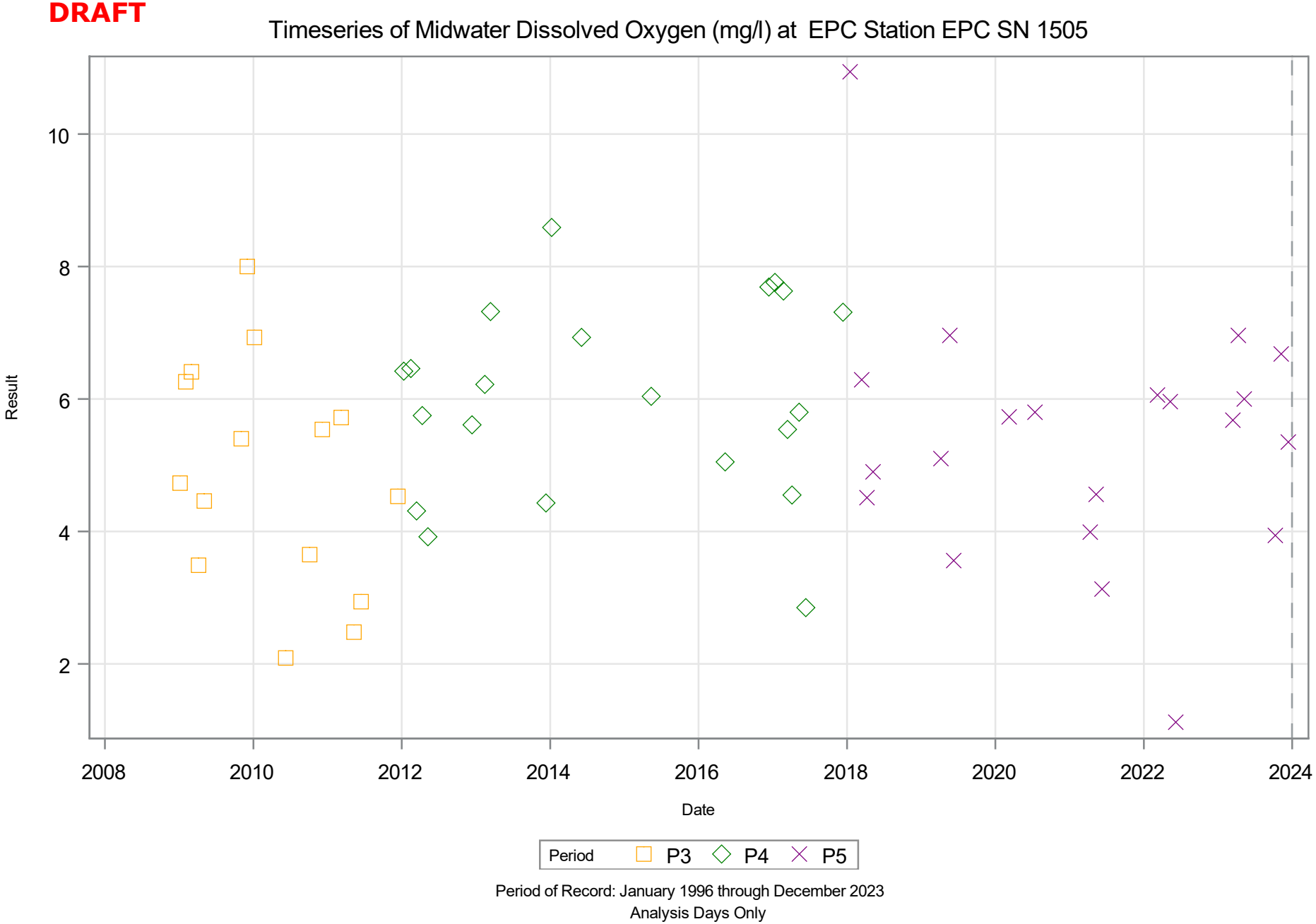
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	1.55	3.24	4.74	4.82	6.31	7.57
P4	21	1.50	4.23	5.24	5.05	6.32	8.59
P5	21	1.02	2.96	4.34	4.47	5.29	10.27

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505
Result
10
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

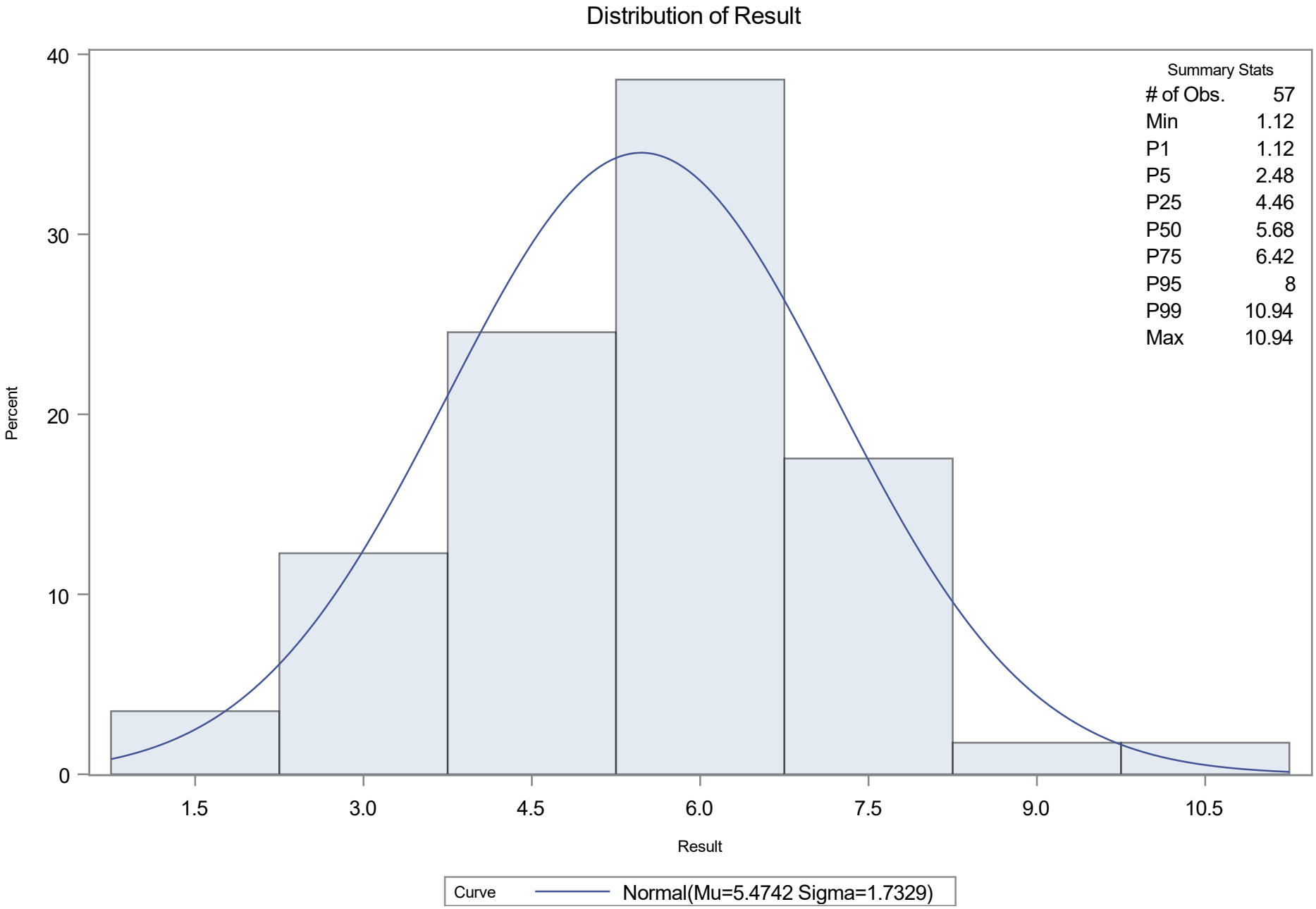
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.474211
Std Dev	Sigma	1.732889

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07654580	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04167343	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26207215	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.12000	1.44291
5.0	2.48000	2.62386
10.0	3.13000	3.25342
25.0	4.46000	4.30539
50.0	5.68000	5.47421
75.0	6.42000	6.64303
90.0	7.63000	7.69500
95.0	8.00000	8.32456
99.0	10.94000	9.50551

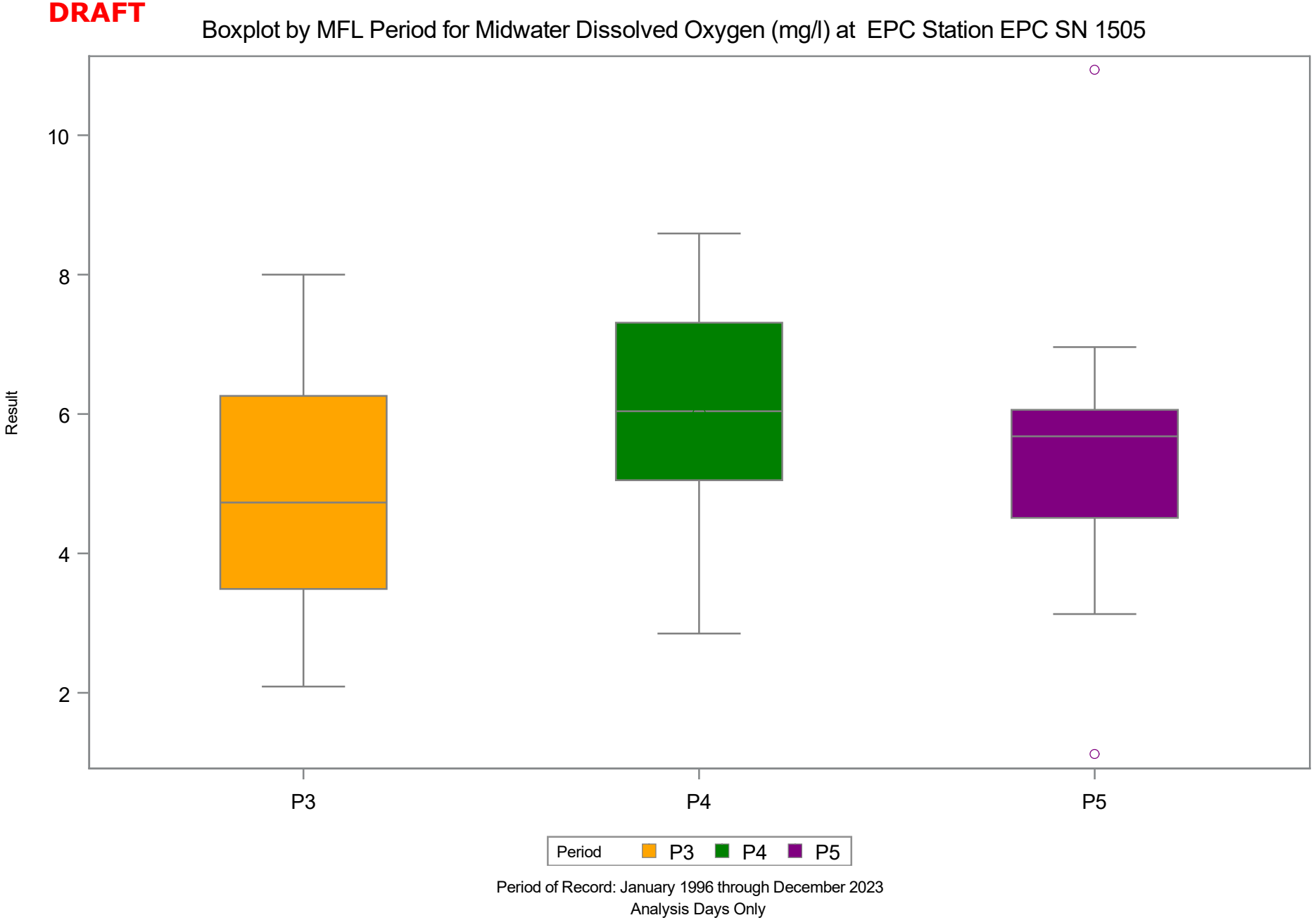
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505**

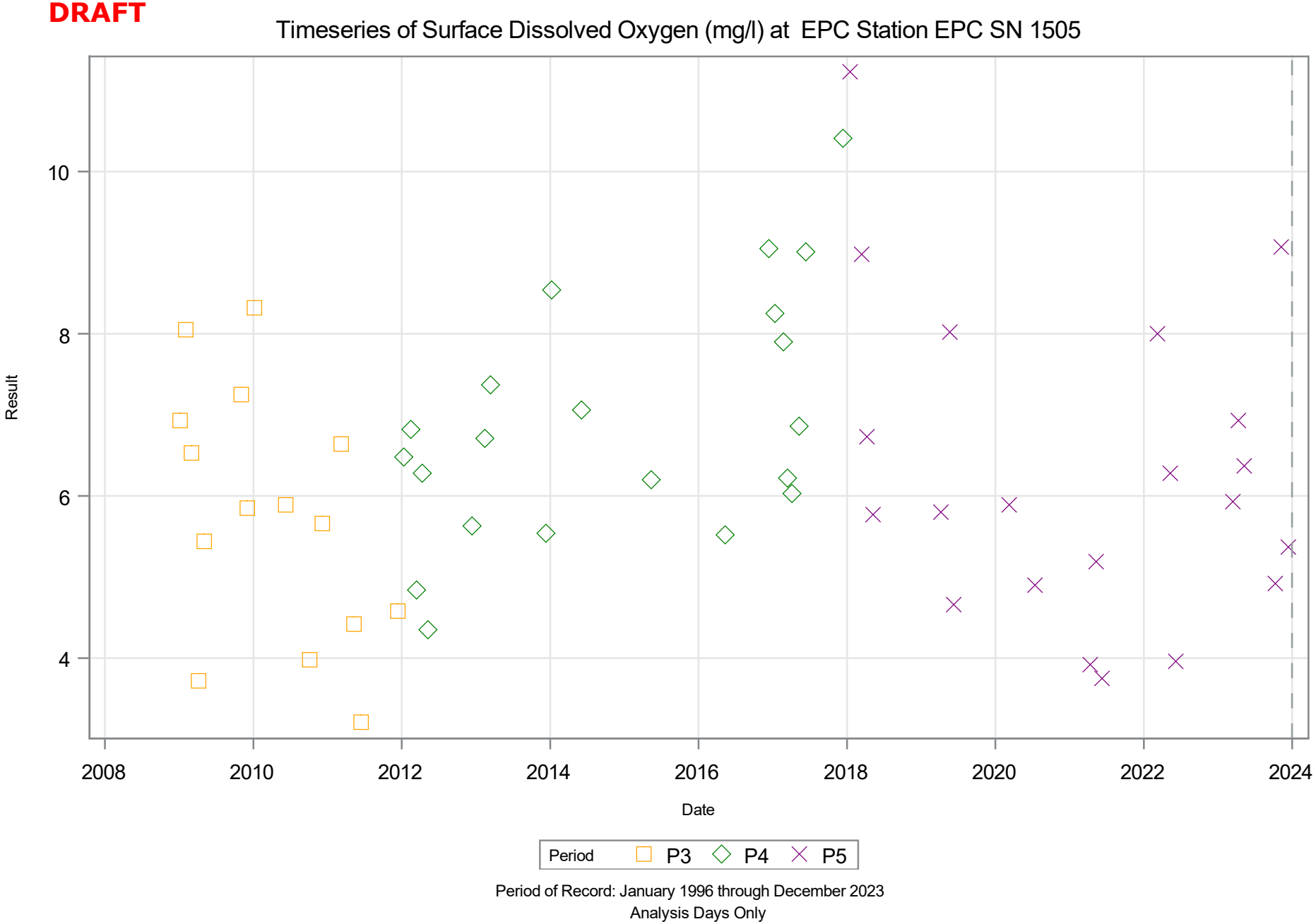
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.09	3.49	4.84	4.73	6.26	8.00
P4	21	2.85	5.05	6.01	6.04	7.31	8.59
P5	21	1.12	4.51	5.39	5.68	6.06	10.94

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

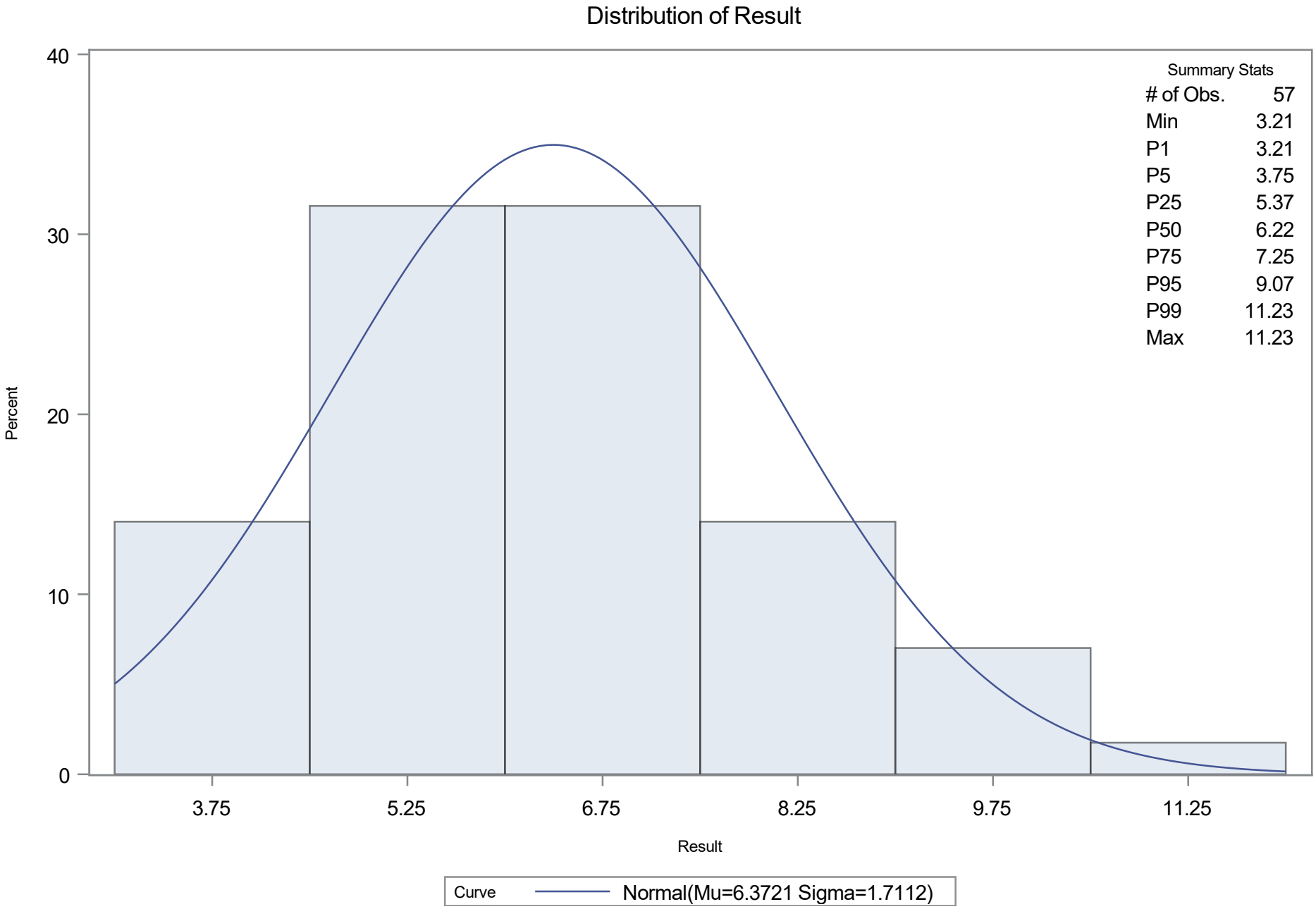

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505
Result
10
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505
Result
10
8
6
4
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.372105
Std Dev	Sigma	1.711221

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09150232	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06629772	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40744539	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.21000	2.39121
5.0	3.75000	3.55740
10.0	3.98000	4.17909
25.0	5.37000	5.21790
50.0	6.22000	6.37211
75.0	7.25000	7.52631
90.0	8.98000	8.56512
95.0	9.07000	9.18681
99.0	11.23000	10.35300

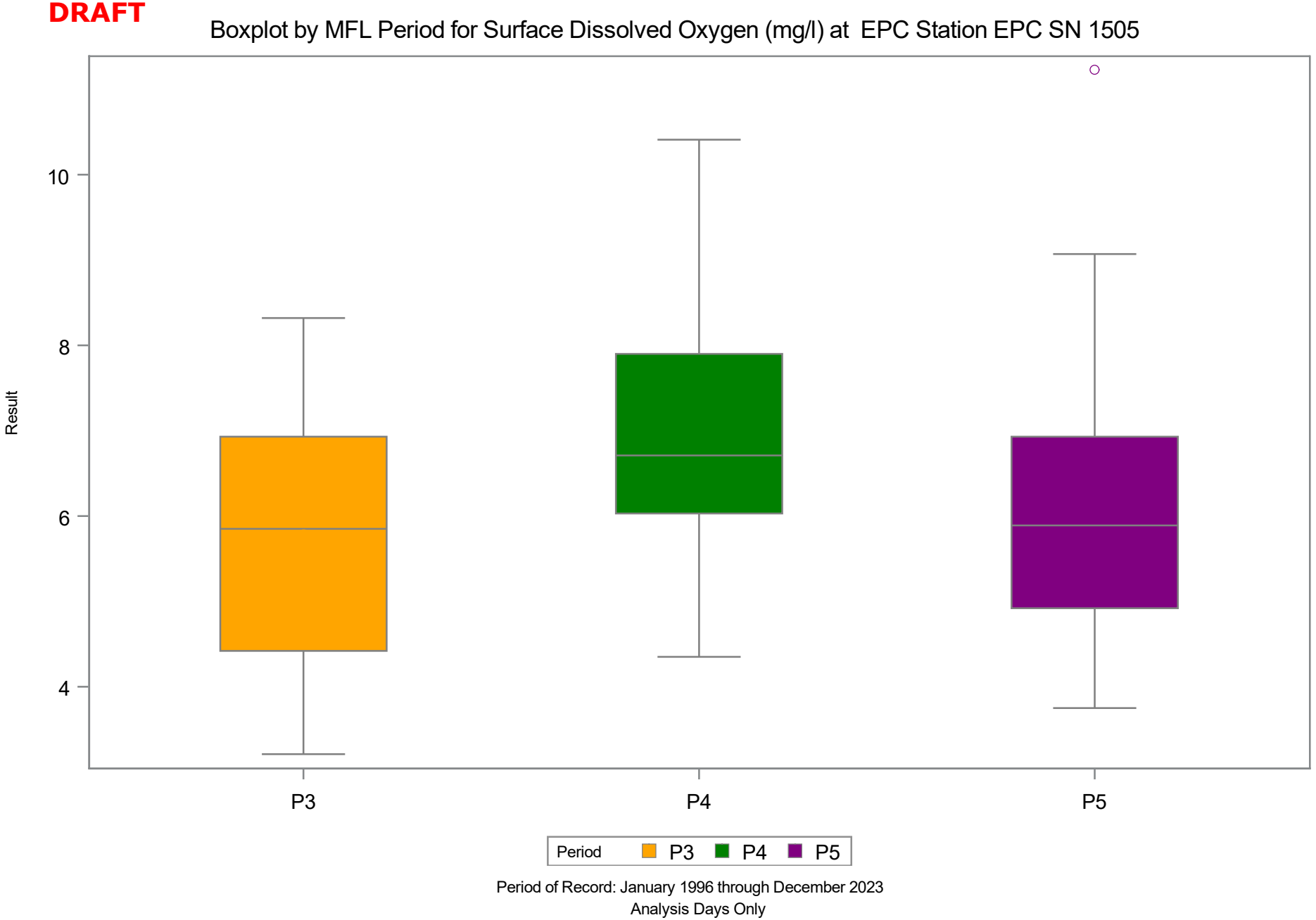
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505**

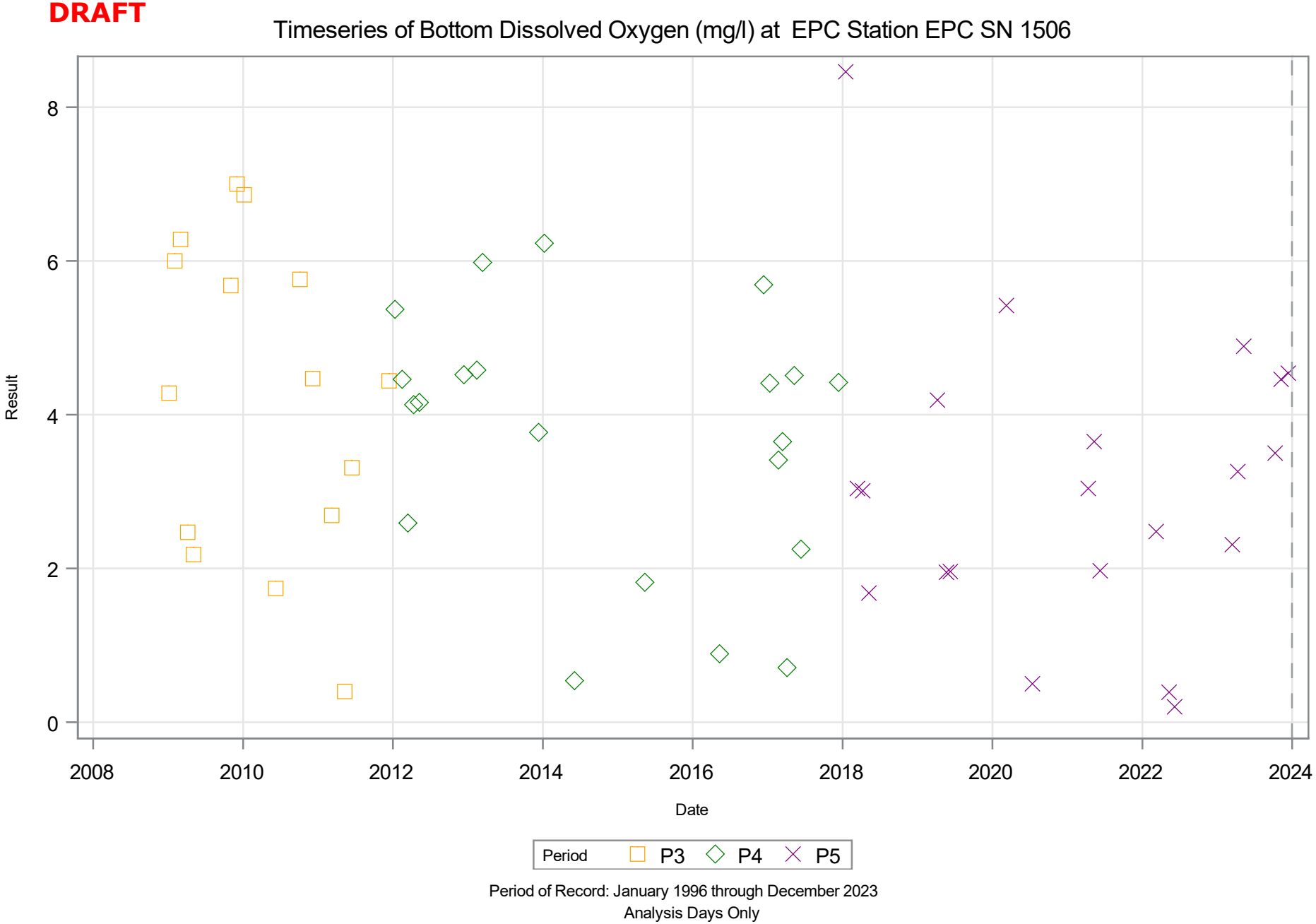
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	3.21	4.42	5.76	5.85	6.93	8.32
P4	21	4.35	6.03	6.91	6.71	7.90	10.41
P5	21	3.75	4.92	6.27	5.89	6.93	11.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

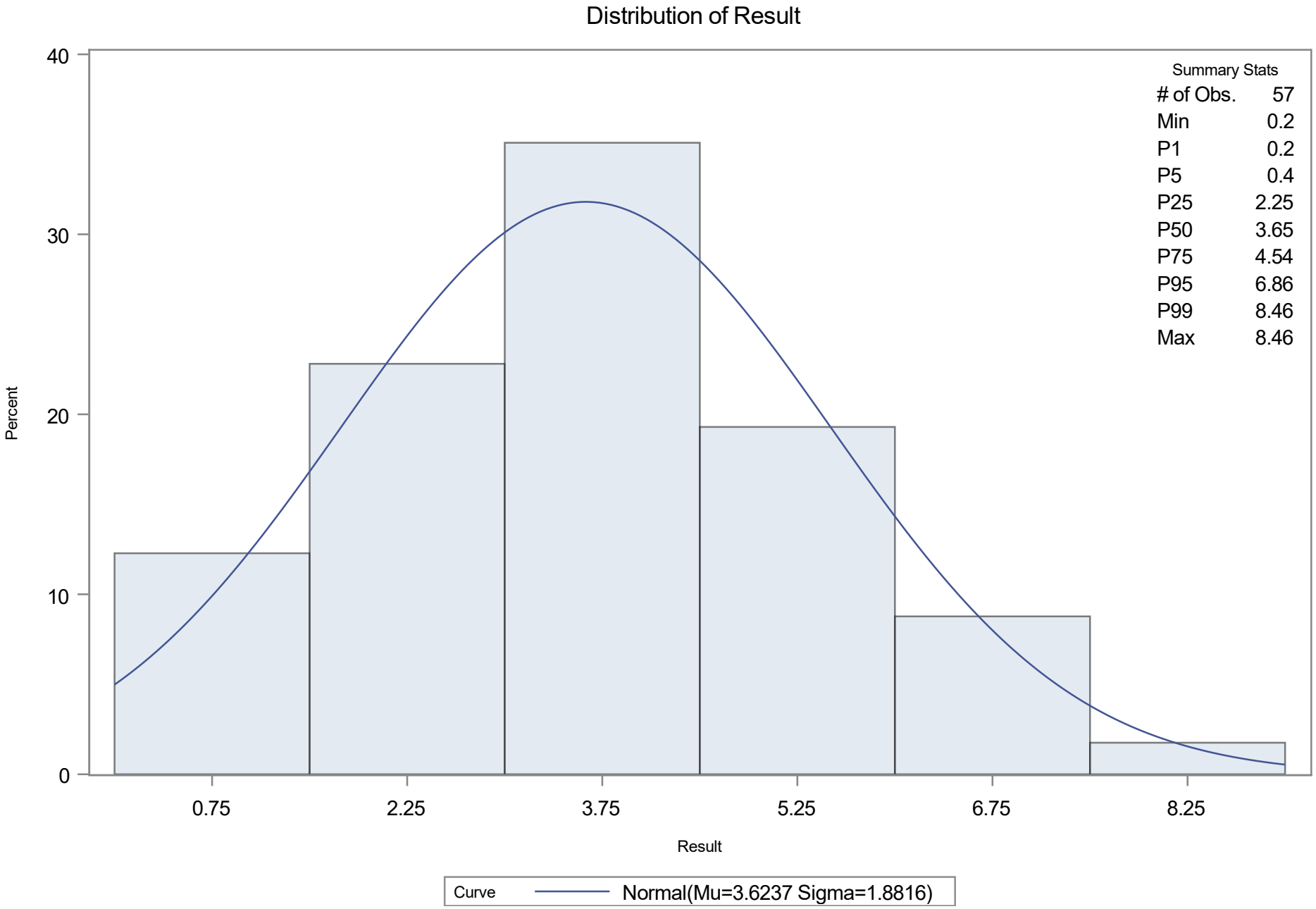

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1505
Result
10
8
6
4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506
Result
0
2
4
6
8
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.623684
Std Dev	Sigma	1.881569

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07975489	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04863614	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32266523	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-0.75350
5.0	0.40000	0.52878
10.0	0.71000	1.21236
25.0	2.25000	2.35459
50.0	3.65000	3.62368
75.0	4.54000	4.89278
90.0	6.00000	6.03501
95.0	6.86000	6.71859
99.0	8.46000	8.00087

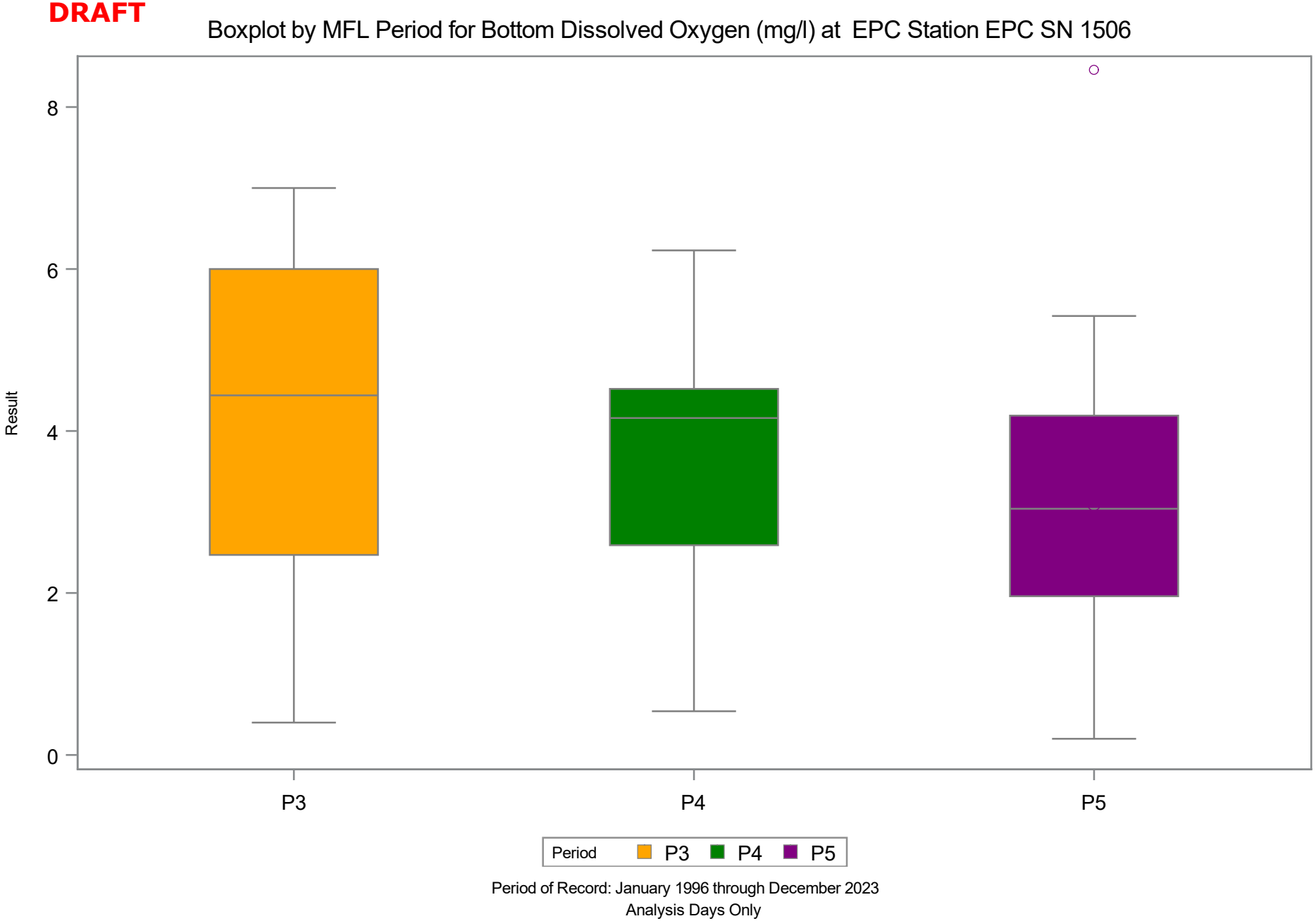
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506**

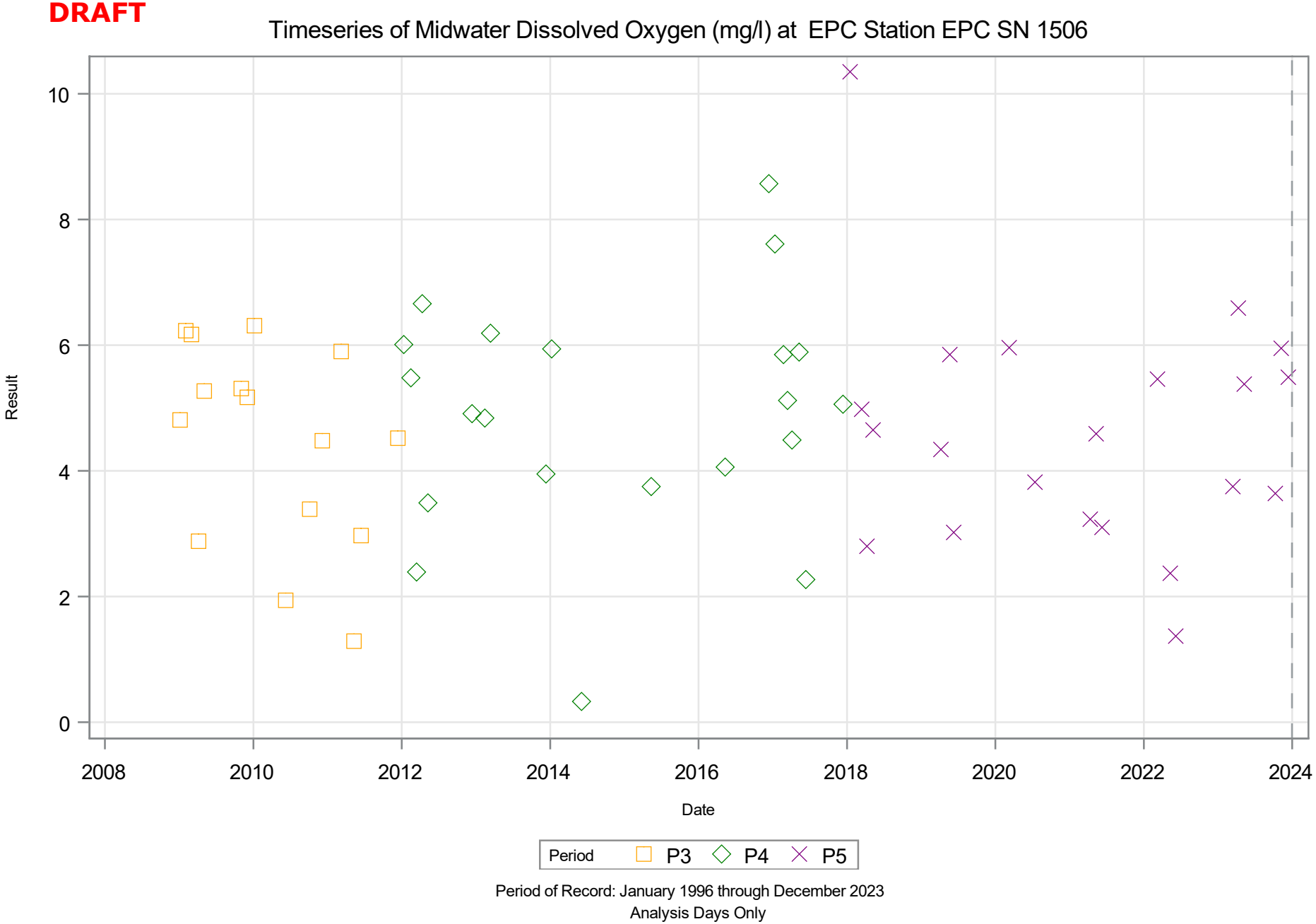
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.40	2.47	4.24	4.44	6.00	7.00
P4	21	0.54	2.59	3.72	4.16	4.52	6.23
P5	21	0.20	1.96	3.09	3.04	4.19	8.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

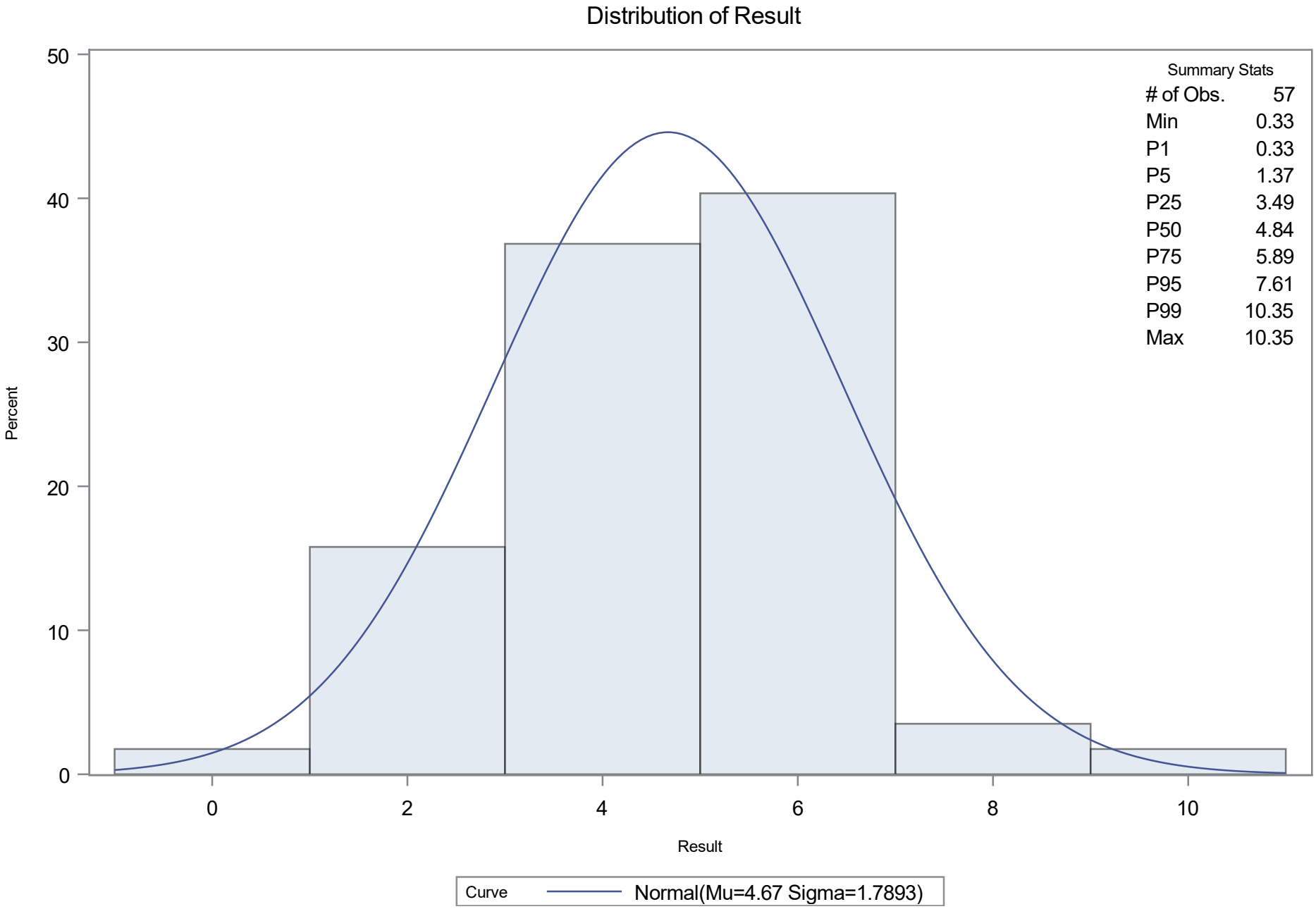

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506
Result
10
8
6
4
2
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.67
Std Dev	Sigma	1.789273

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09196377	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06427346	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.45424882	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.33000	0.50753
5.0	1.37000	1.72691
10.0	2.37000	2.37695
25.0	3.49000	3.46315
50.0	4.84000	4.67000
75.0	5.89000	5.87685
90.0	6.31000	6.96305
95.0	7.61000	7.61309
99.0	10.35000	8.83247

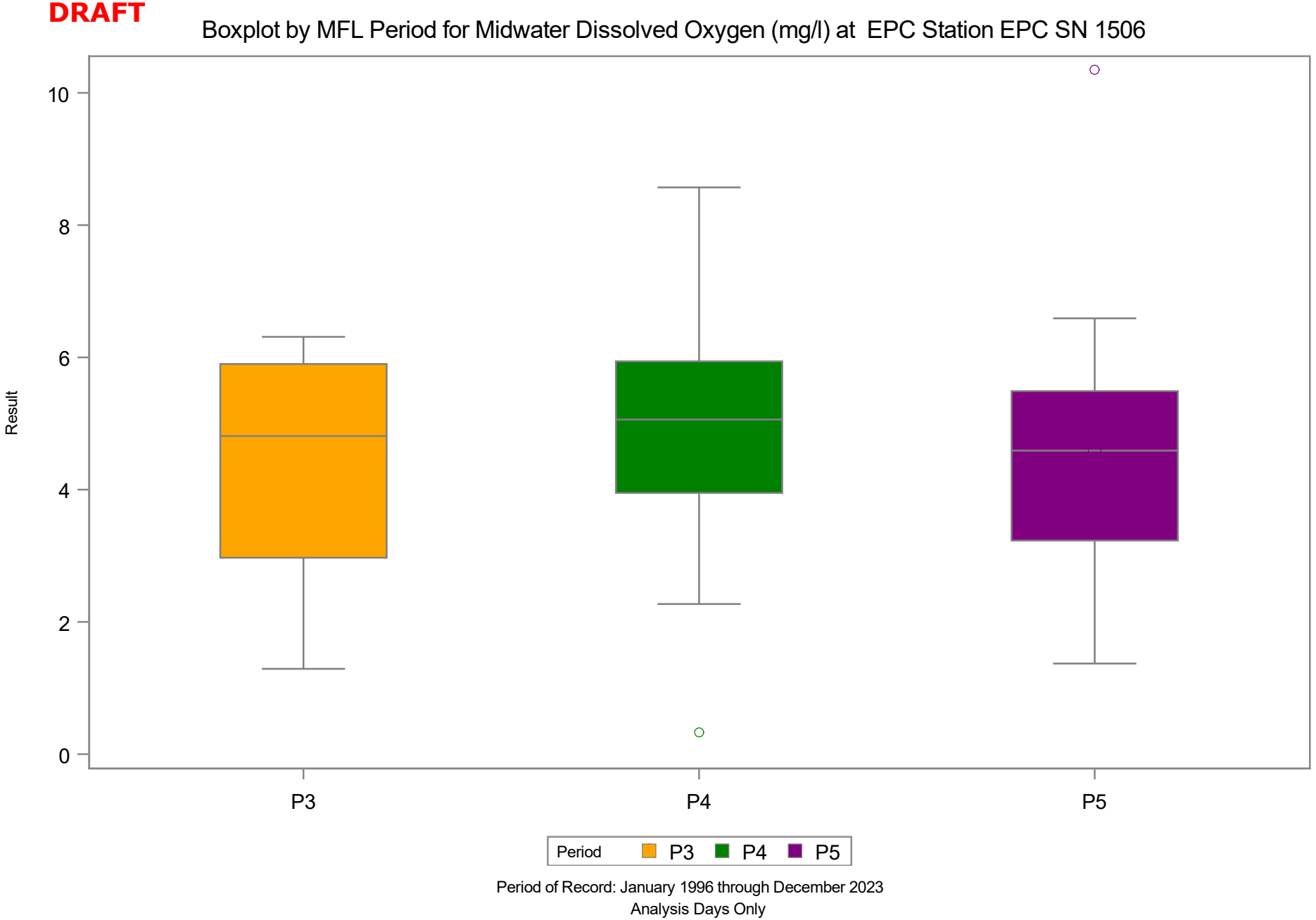
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506**

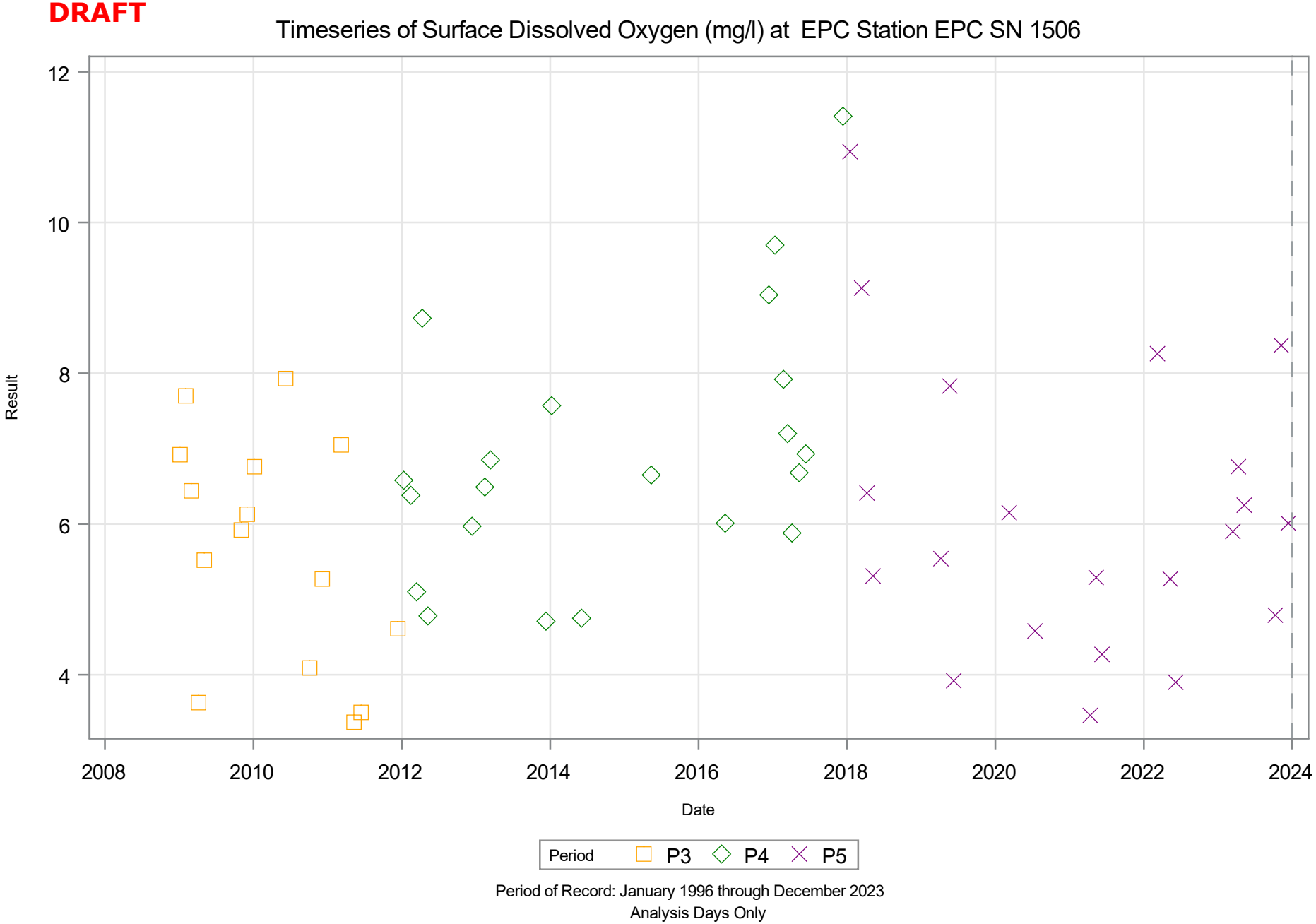
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	1.29	2.97	4.44	4.81	5.90	6.31
P4	21	0.33	3.95	4.90	5.06	5.94	8.57
P5	21	1.37	3.23	4.60	4.59	5.49	10.35

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

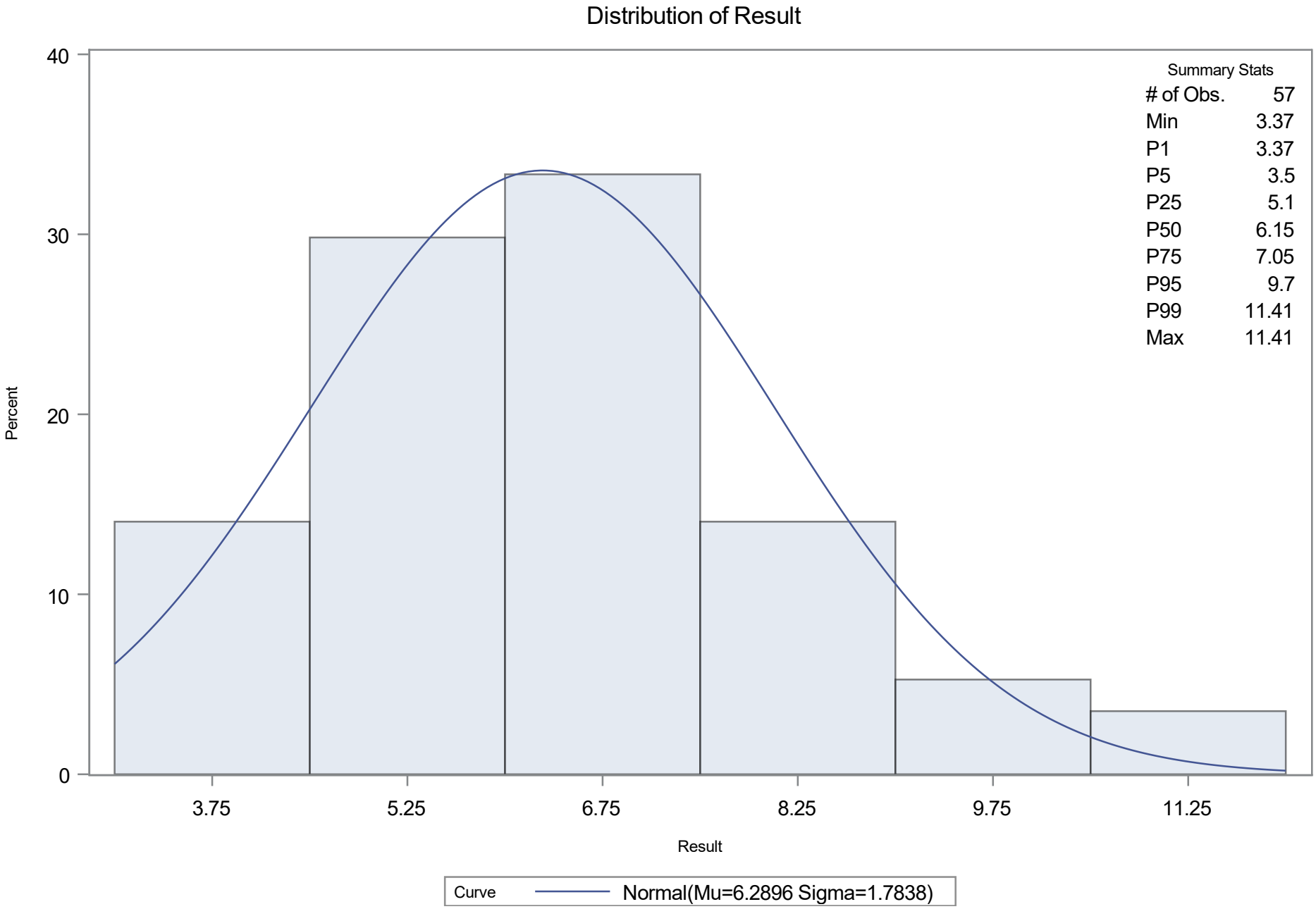

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506
Result
10
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506
Result
12
10
8
6
4
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.289649
Std Dev	Sigma	1.783765

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09664401	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06365422	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44203945	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.37000	2.13999
5.0	3.50000	3.35562
10.0	3.92000	4.00366
25.0	5.10000	5.08652
50.0	6.15000	6.28965
75.0	7.05000	7.49278
90.0	8.73000	8.57564
95.0	9.70000	9.22368
99.0	11.41000	10.43931

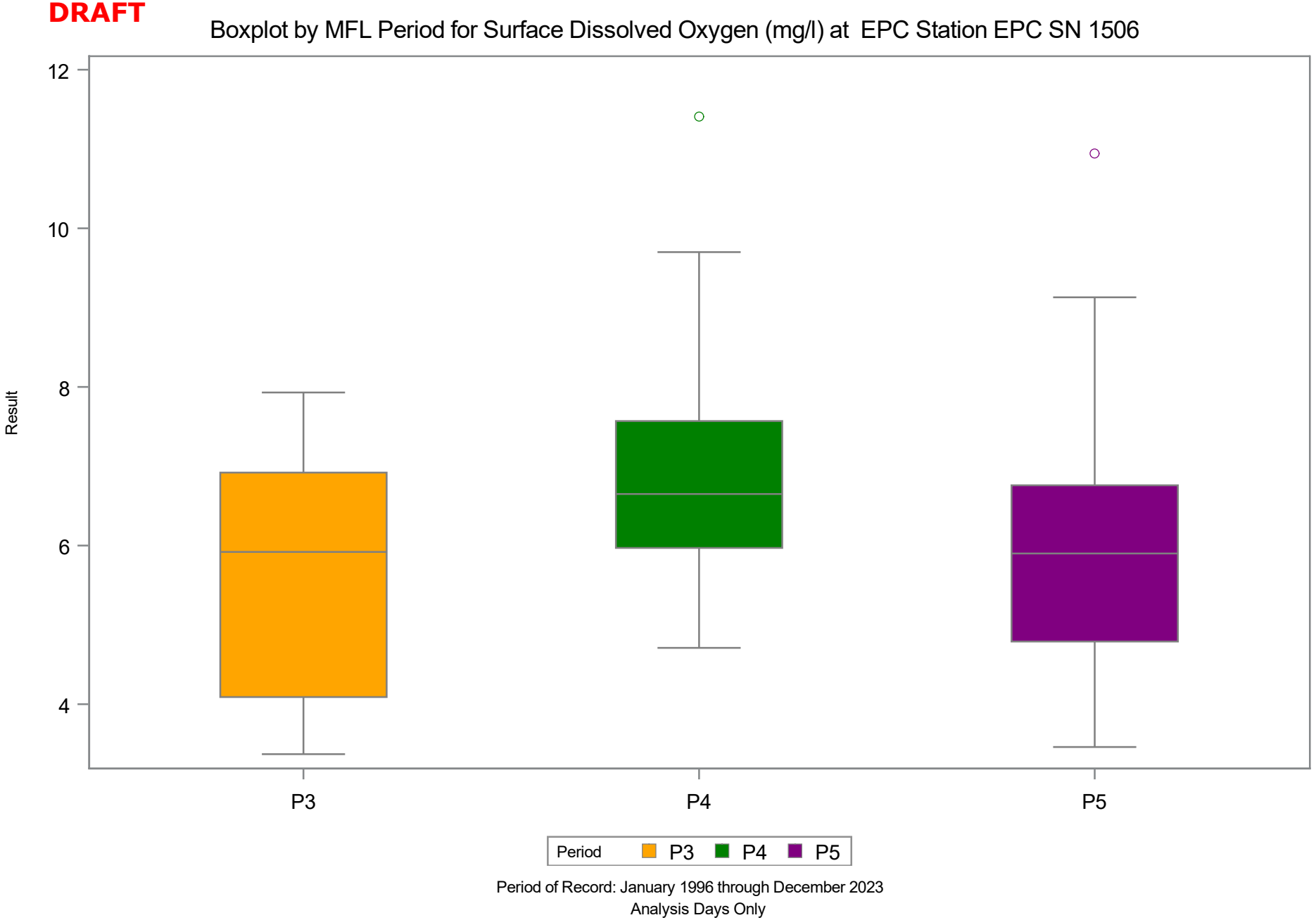
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506**

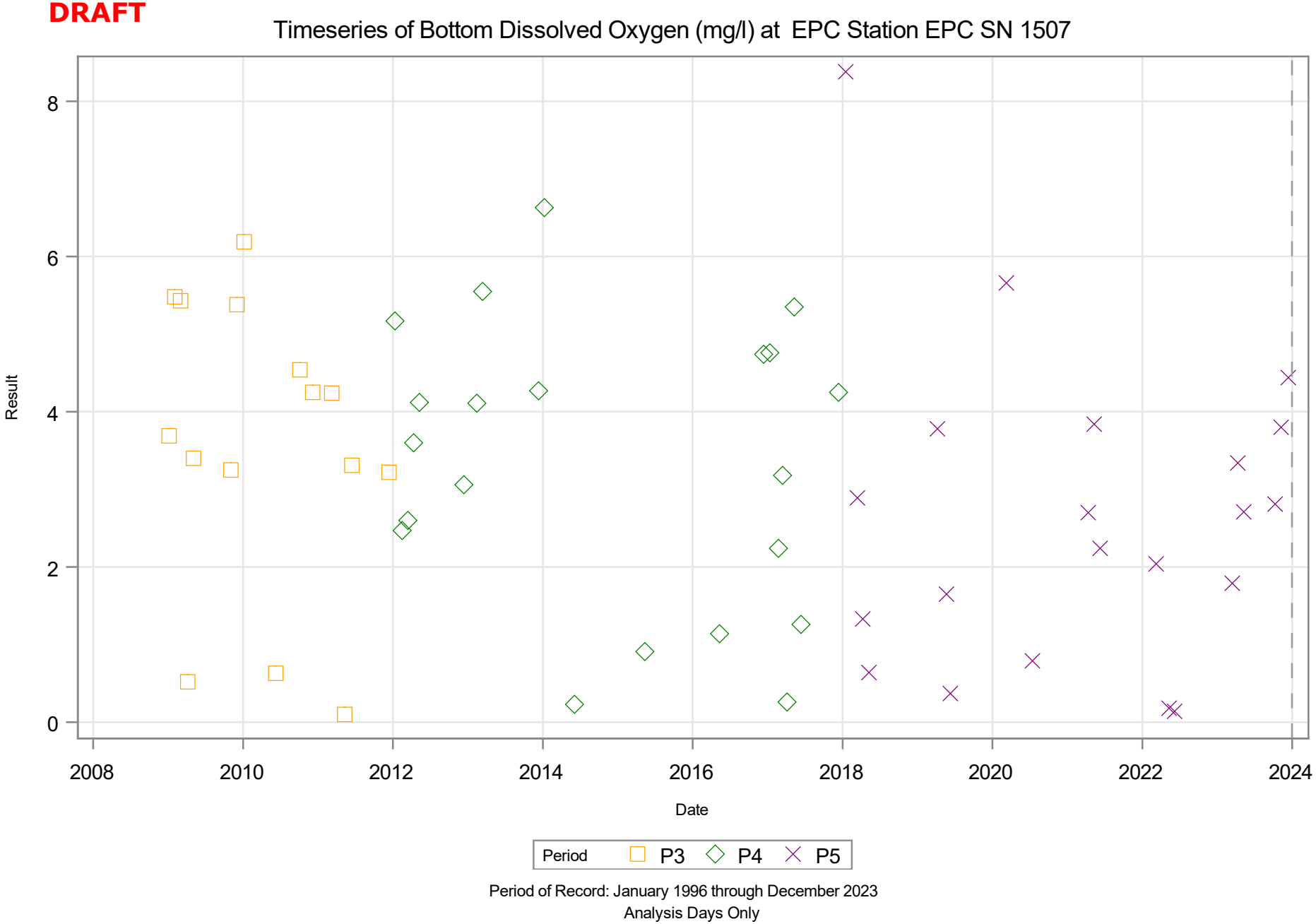
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	3.37	4.09	5.66	5.92	6.92	7.93
P4	21	4.71	5.97	6.92	6.65	7.57	11.41
P5	21	3.46	4.79	6.11	5.90	6.76	10.94

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1506
Result
12
10
8
6
4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

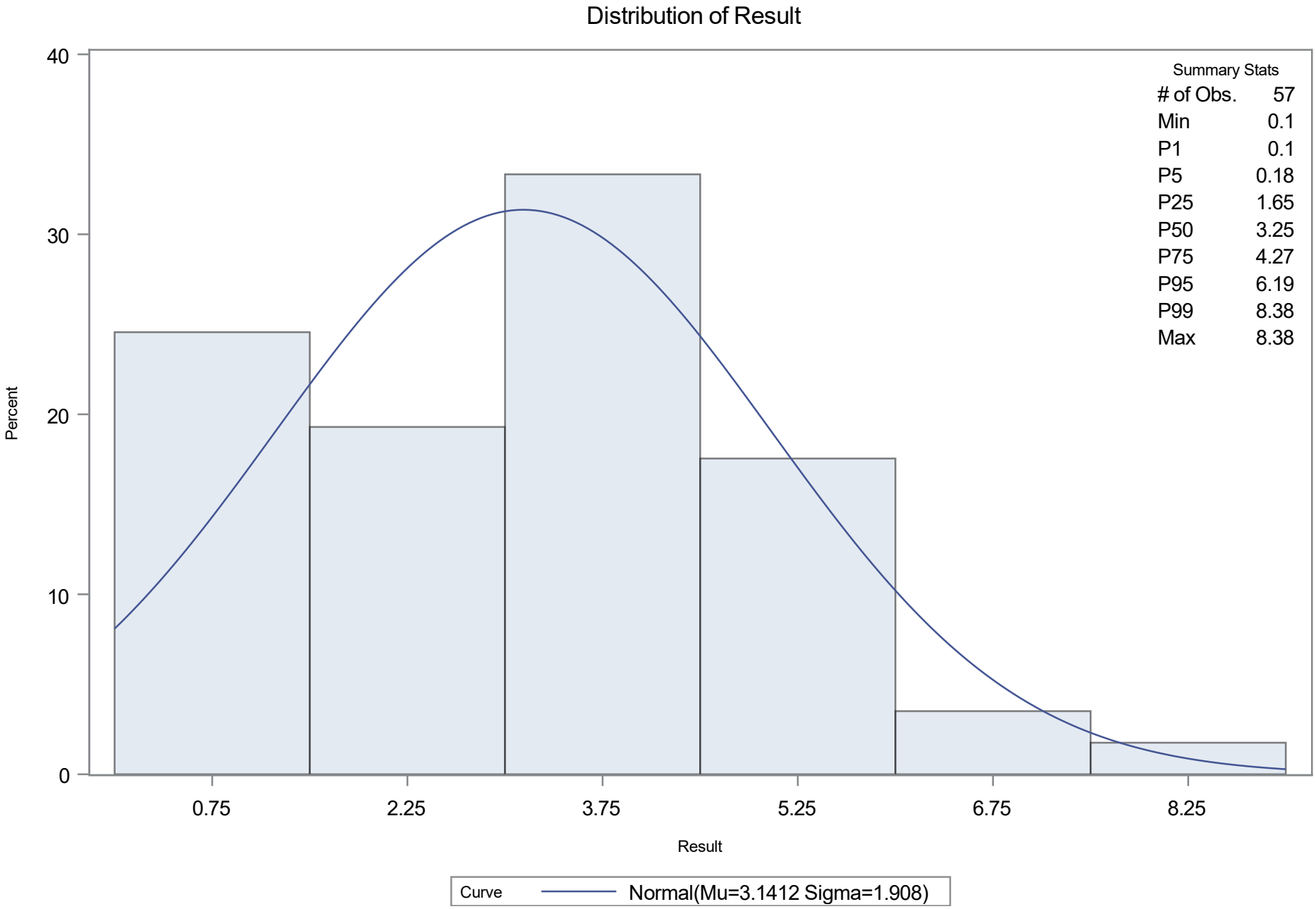
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.141228
Std Dev	Sigma	1.907981

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07437752	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04859731	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.42875125	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.29740
5.0	0.18000	0.00288
10.0	0.37000	0.69605
25.0	1.65000	1.85431
50.0	3.25000	3.14123
75.0	4.27000	4.42814
90.0	5.48000	5.58640
95.0	6.19000	6.27958
99.0	8.38000	7.57986

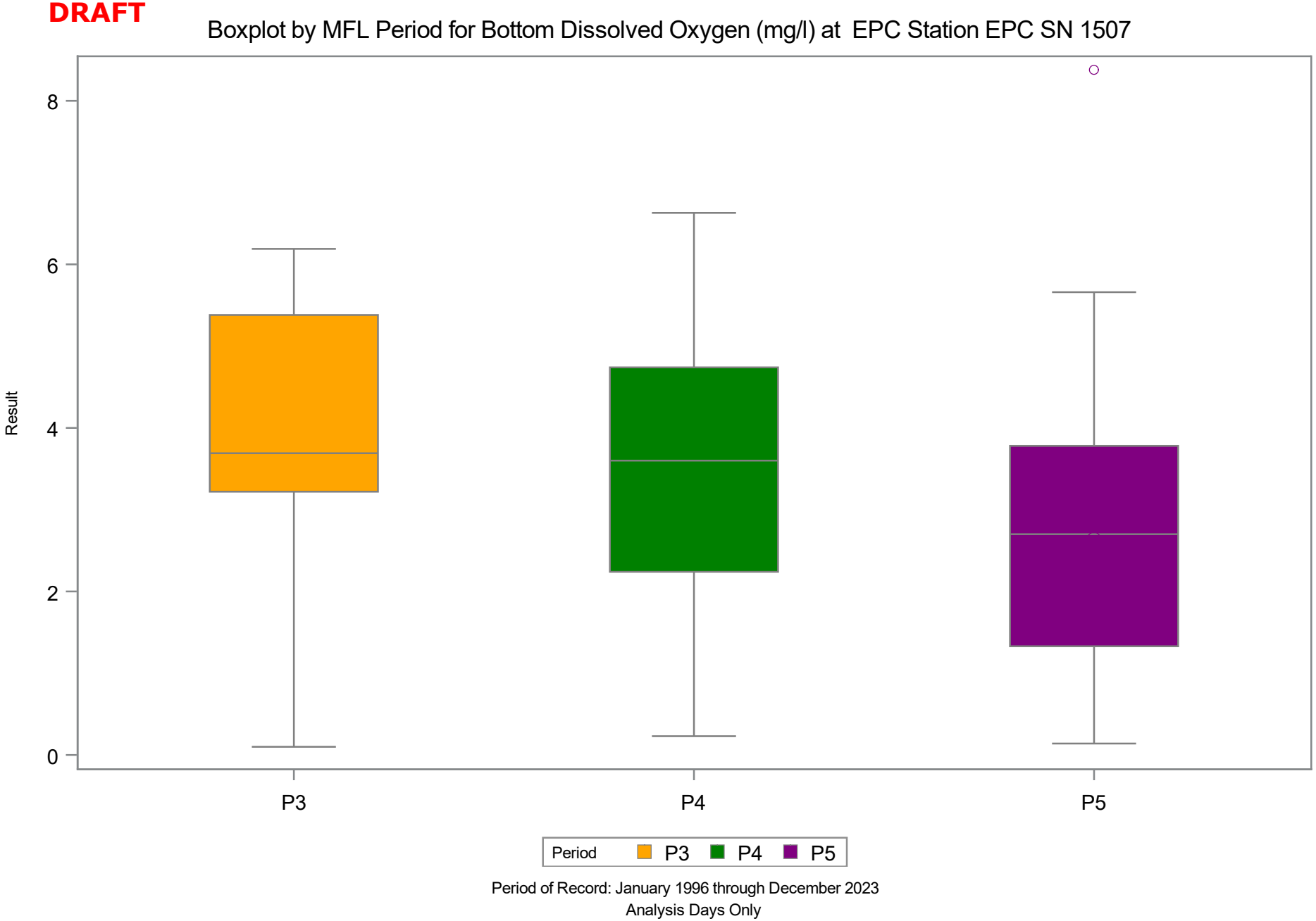
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507**

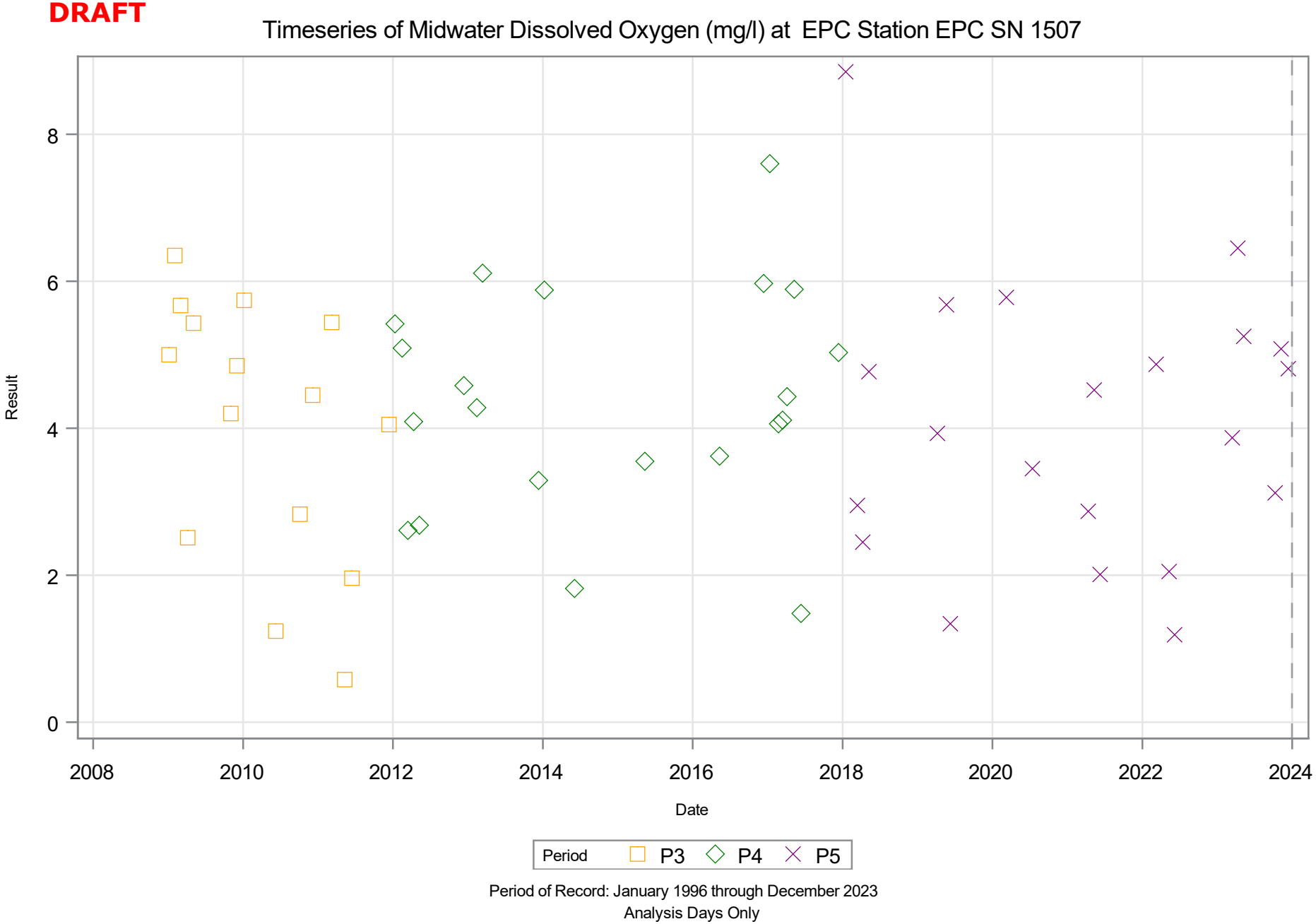
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.10	3.22	3.58	3.69	5.38	6.19
P4	21	0.23	2.24	3.33	3.60	4.74	6.63
P5	21	0.14	1.33	2.64	2.70	3.78	8.38

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

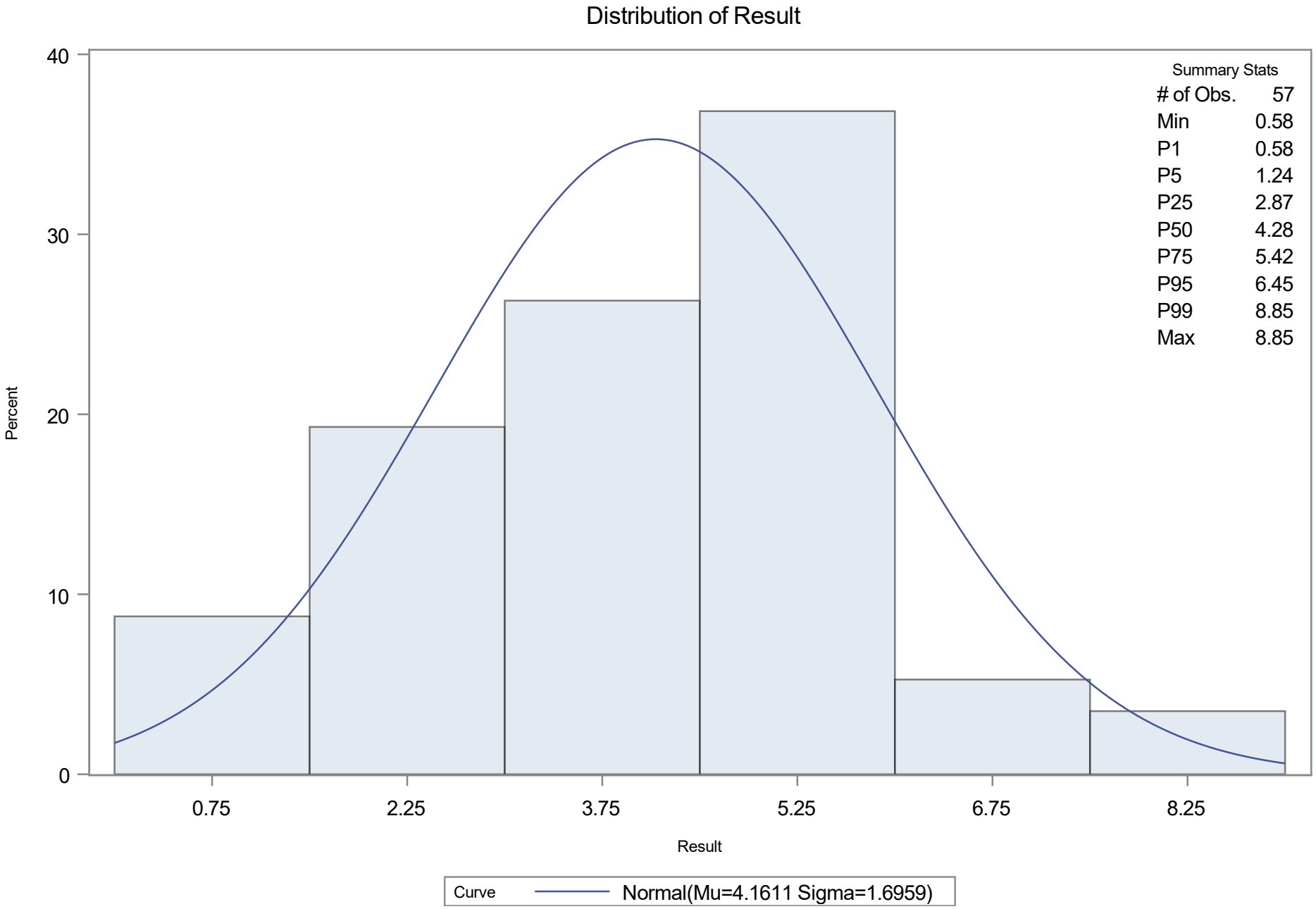
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.161053
Std Dev	Sigma	1.695918

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07038622	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05010804	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34345847	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.58000	0.21576
5.0	1.24000	1.37152
10.0	1.82000	1.98765
25.0	2.87000	3.01717
50.0	4.28000	4.16105
75.0	5.42000	5.30493
90.0	5.97000	6.33446
95.0	6.45000	6.95059
99.0	8.85000	8.10635

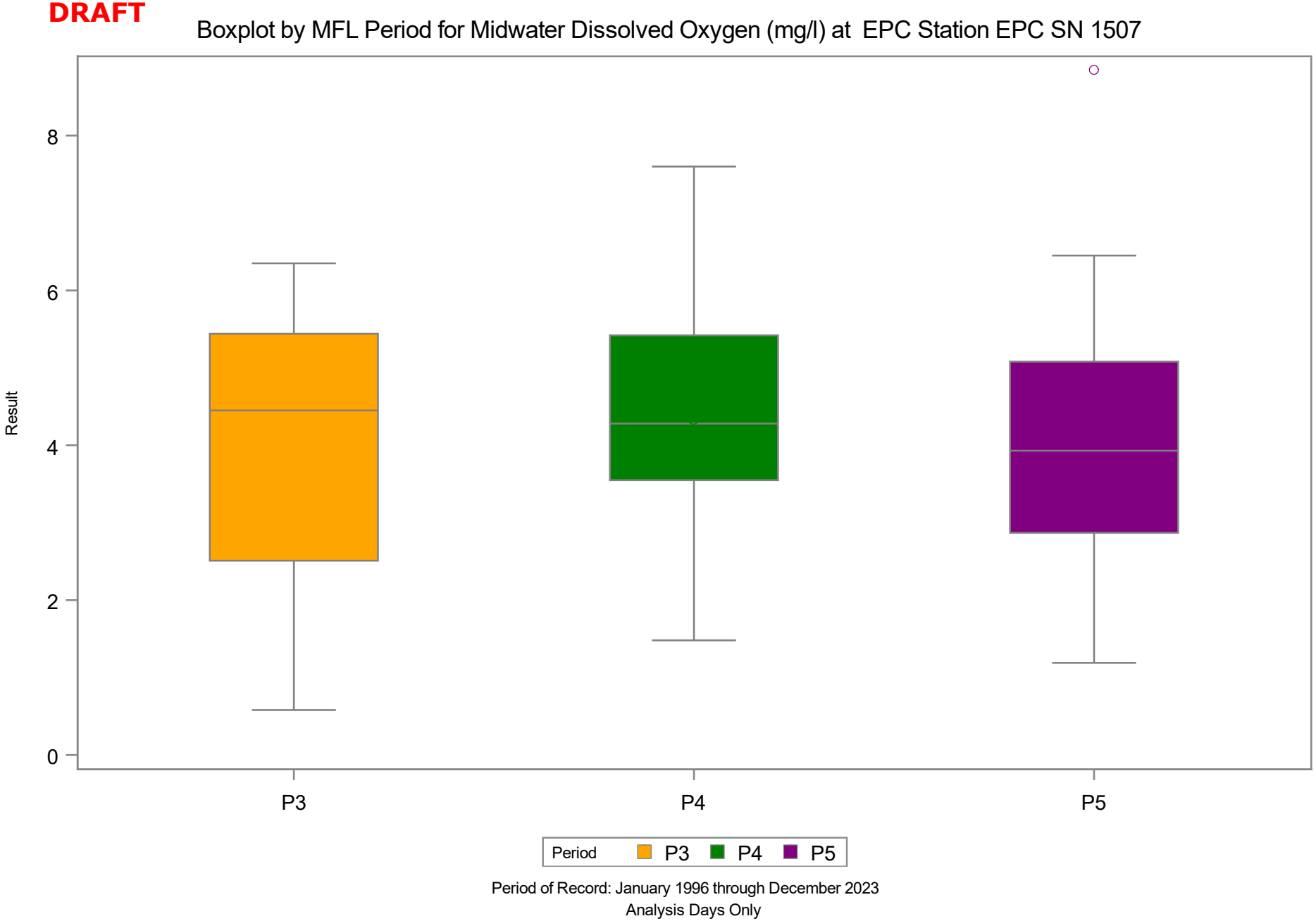
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507**

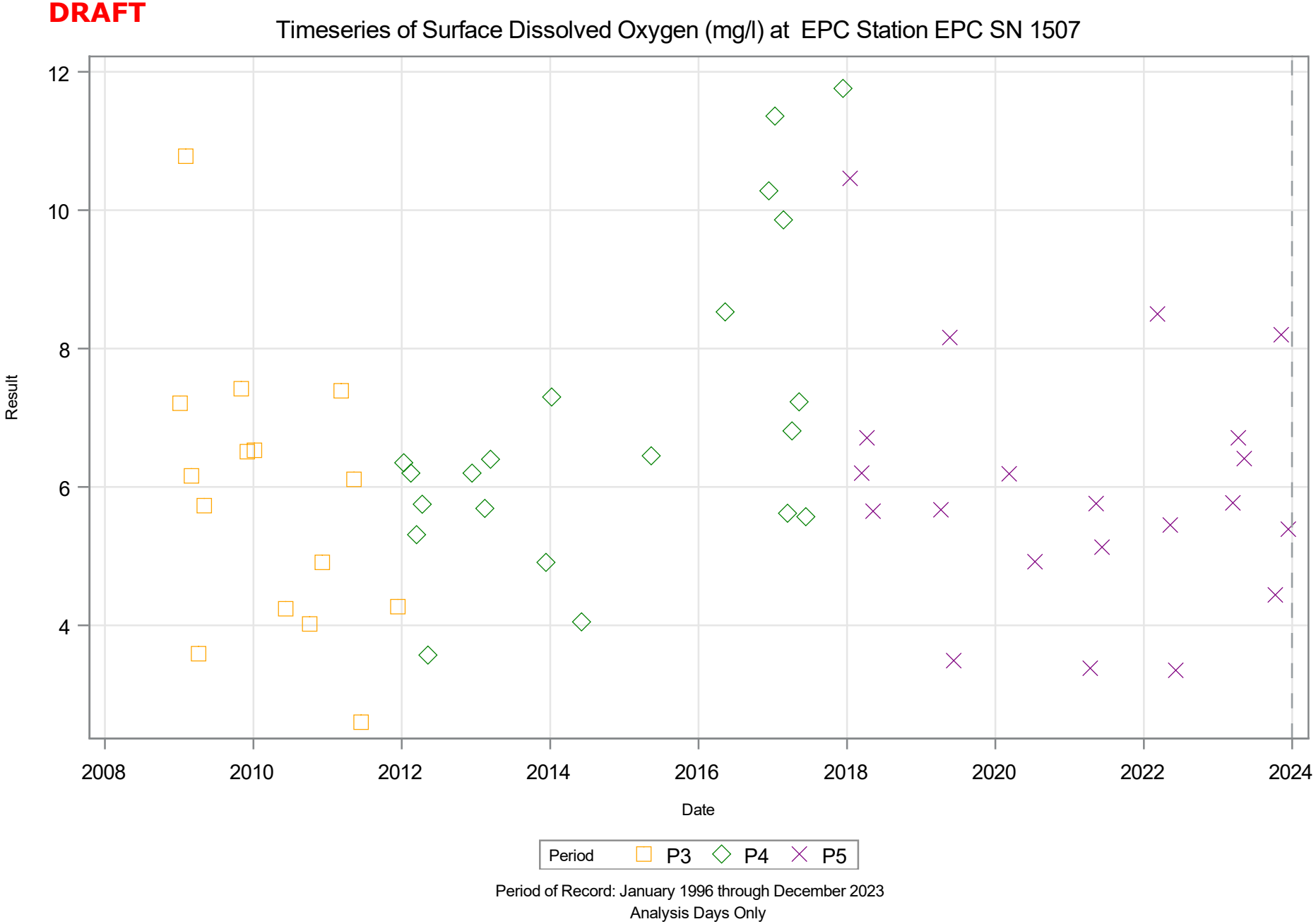
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.58	2.51	4.02	4.45	5.44	6.35
P4	21	1.48	3.55	4.36	4.28	5.42	7.60
P5	21	1.19	2.87	4.06	3.93	5.08	8.85

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

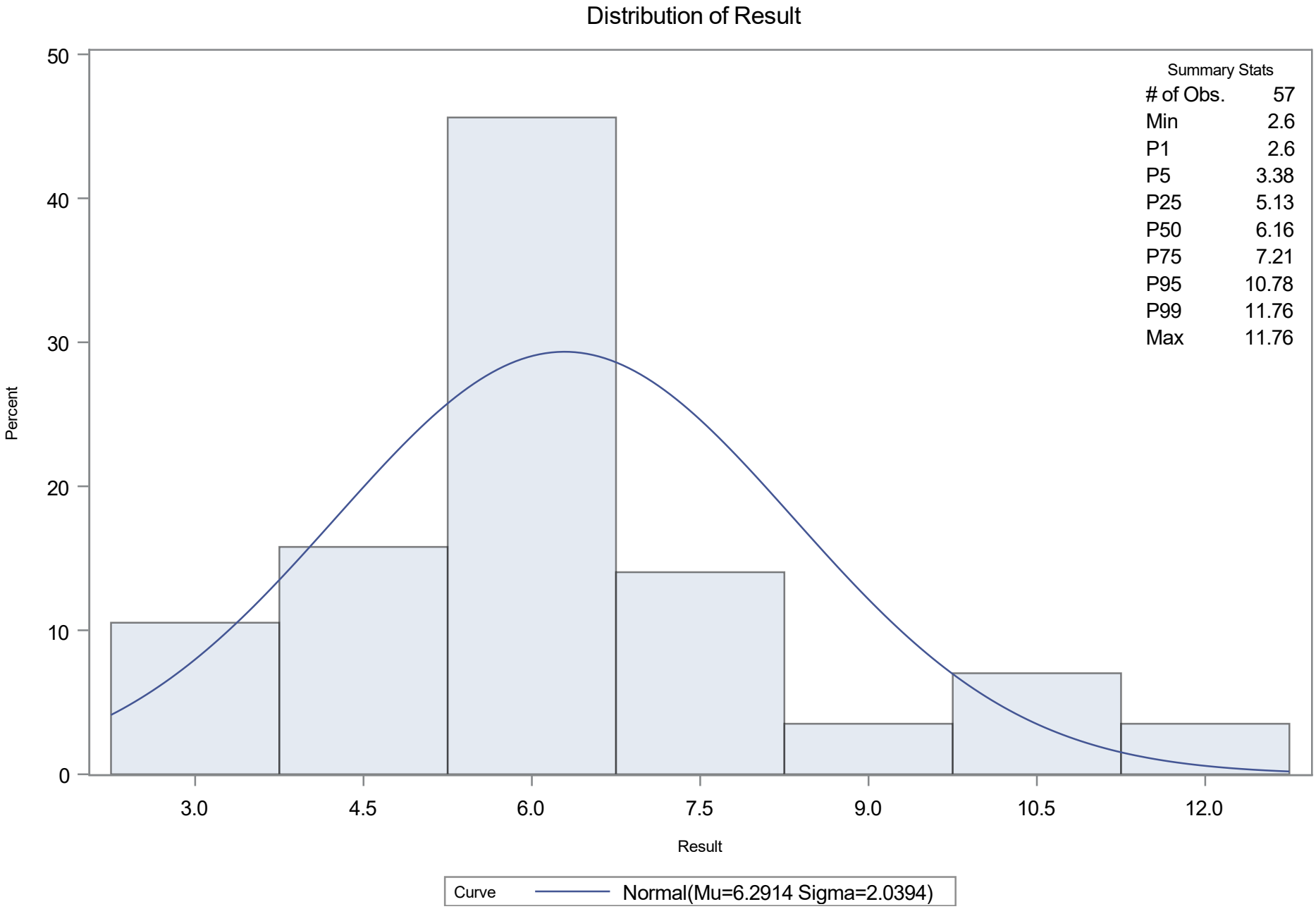

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507
Result
0
2
4
6
8
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507
Result
12
10
8
6
4
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.291404
Std Dev	Sigma	2.039385

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13798421	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.20579371	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.23554456	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.60000	1.54708
5.0	3.38000	2.93691
10.0	3.59000	3.67783
25.0	5.13000	4.91586
50.0	6.16000	6.29140
75.0	7.21000	7.66695
90.0	9.86000	8.90498
95.0	10.78000	9.64589
99.0	11.76000	11.03572

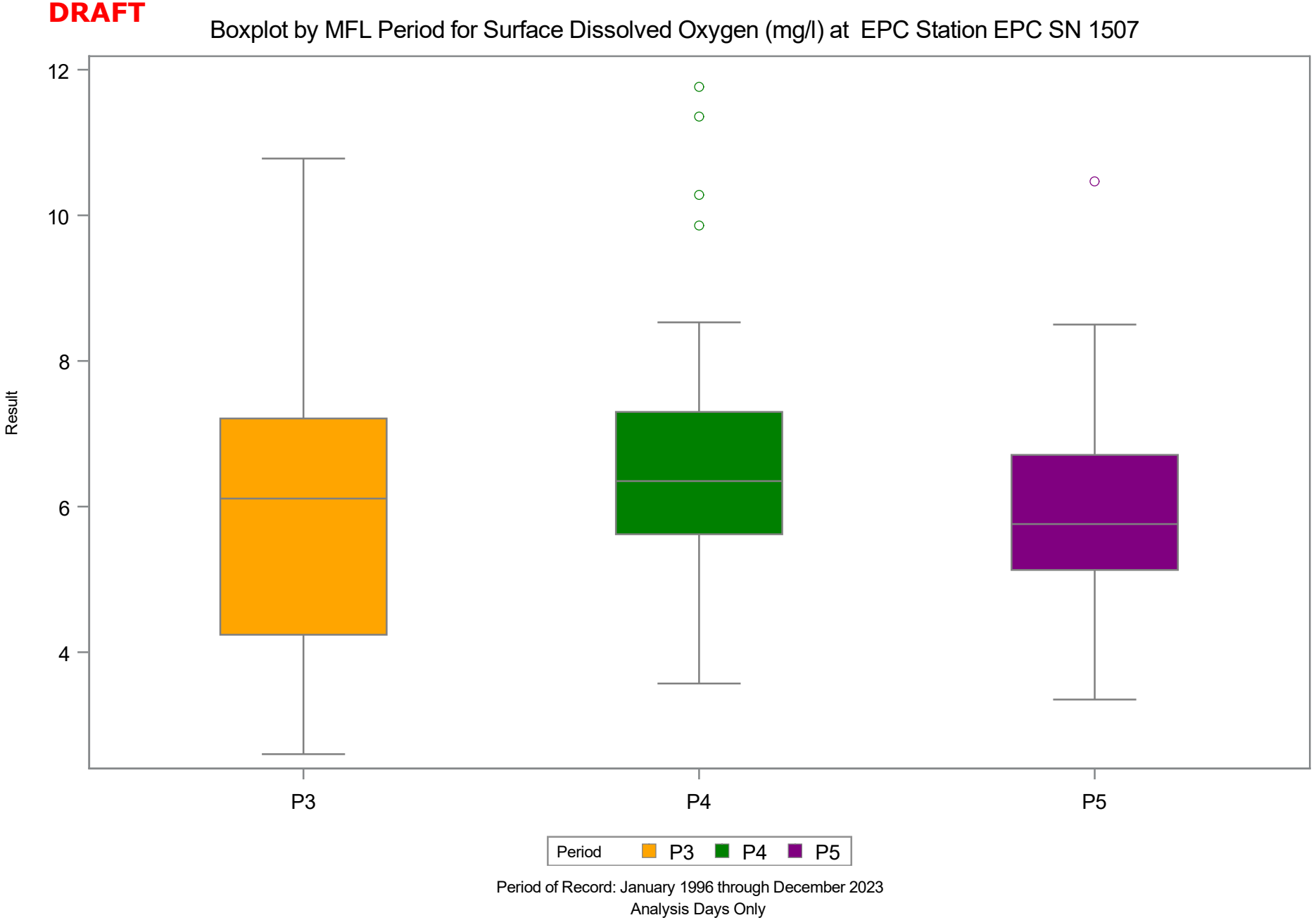
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507**

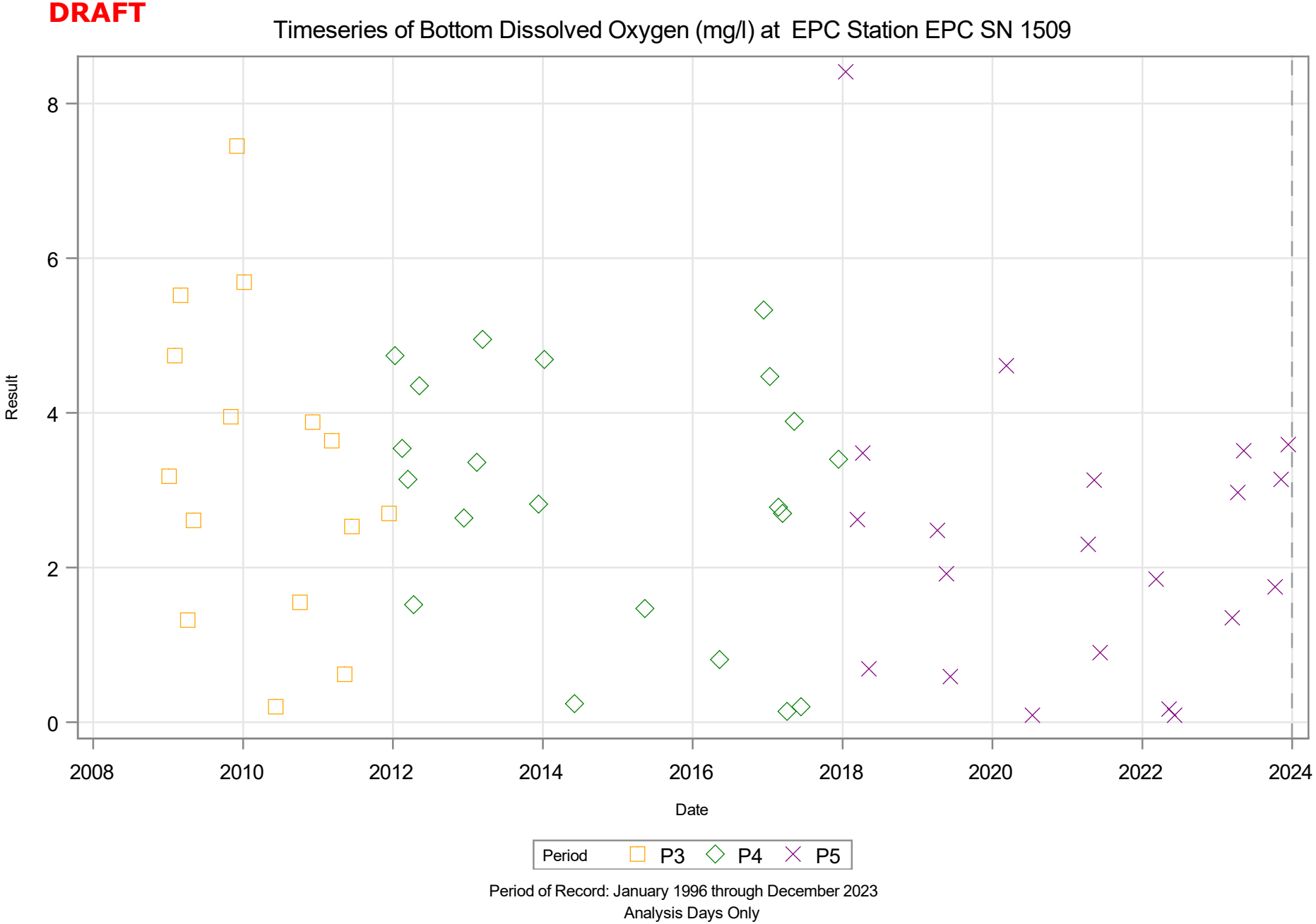
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.60	4.24	5.83	6.11	7.21	10.78
P4	21	3.57	5.62	6.91	6.35	7.30	11.76
P5	21	3.35	5.13	6.00	5.76	6.71	10.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1507
Result
12
10
8
6
4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

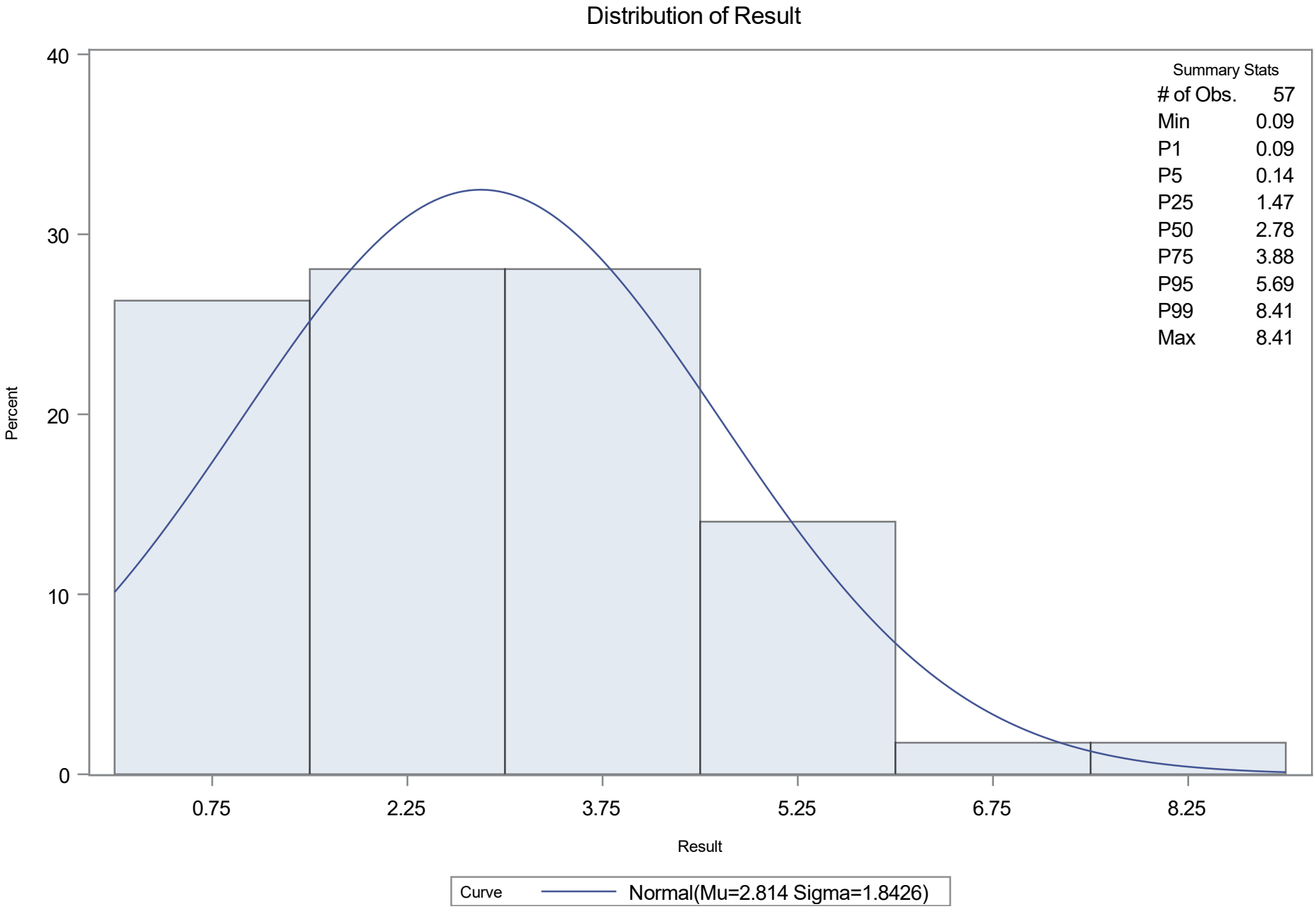
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.814035
Std Dev	Sigma	1.842587

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06965371	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04981244	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.46365034	**Pr > A-Sq**	0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09000	-1.47246
5.0	0.14000	-0.21675
10.0	0.20000	0.45266
25.0	1.47000	1.57123
50.0	2.78000	2.81404
75.0	3.88000	4.05684
90.0	4.95000	5.17541
95.0	5.69000	5.84482
99.0	8.41000	7.10053

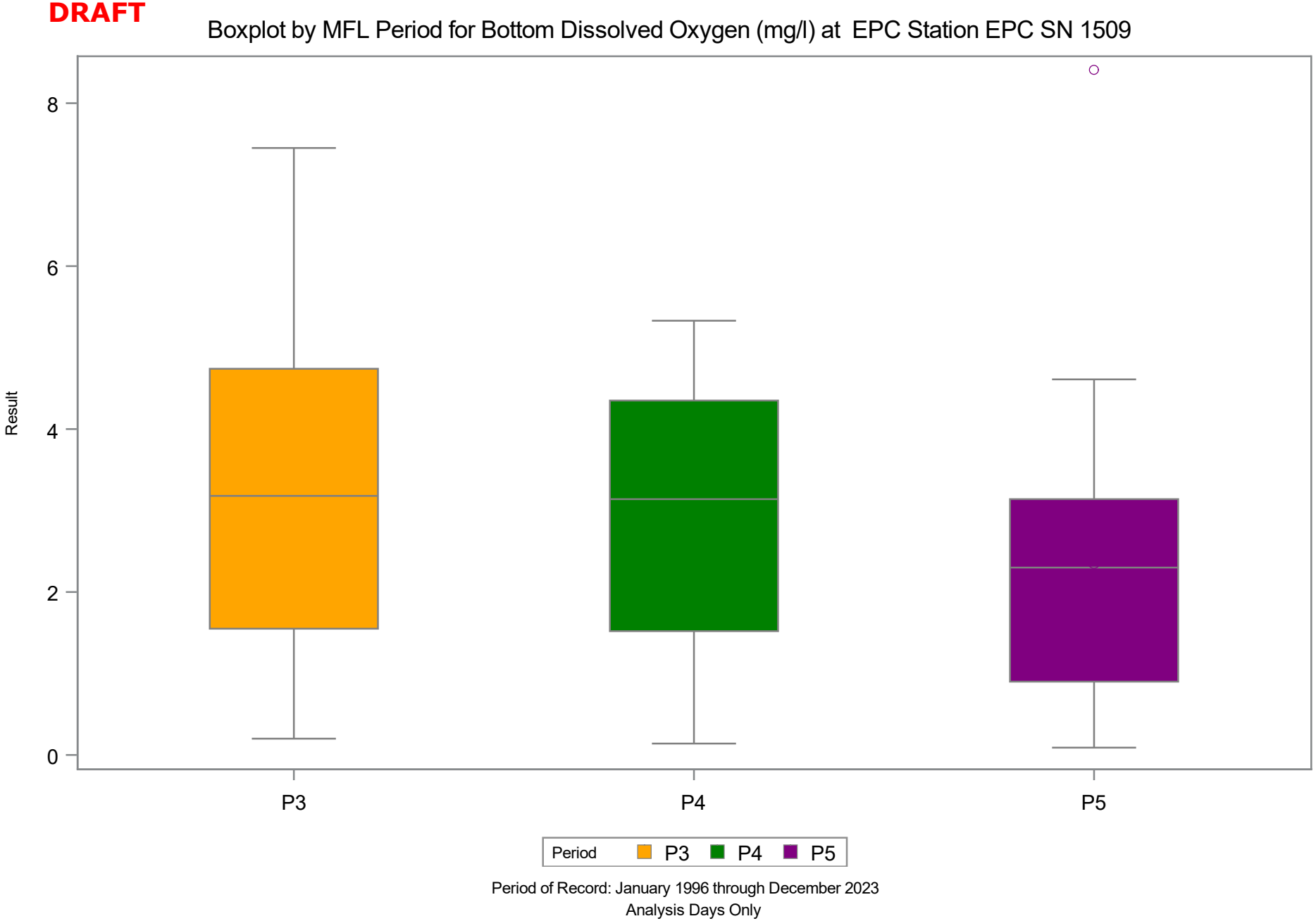
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509**

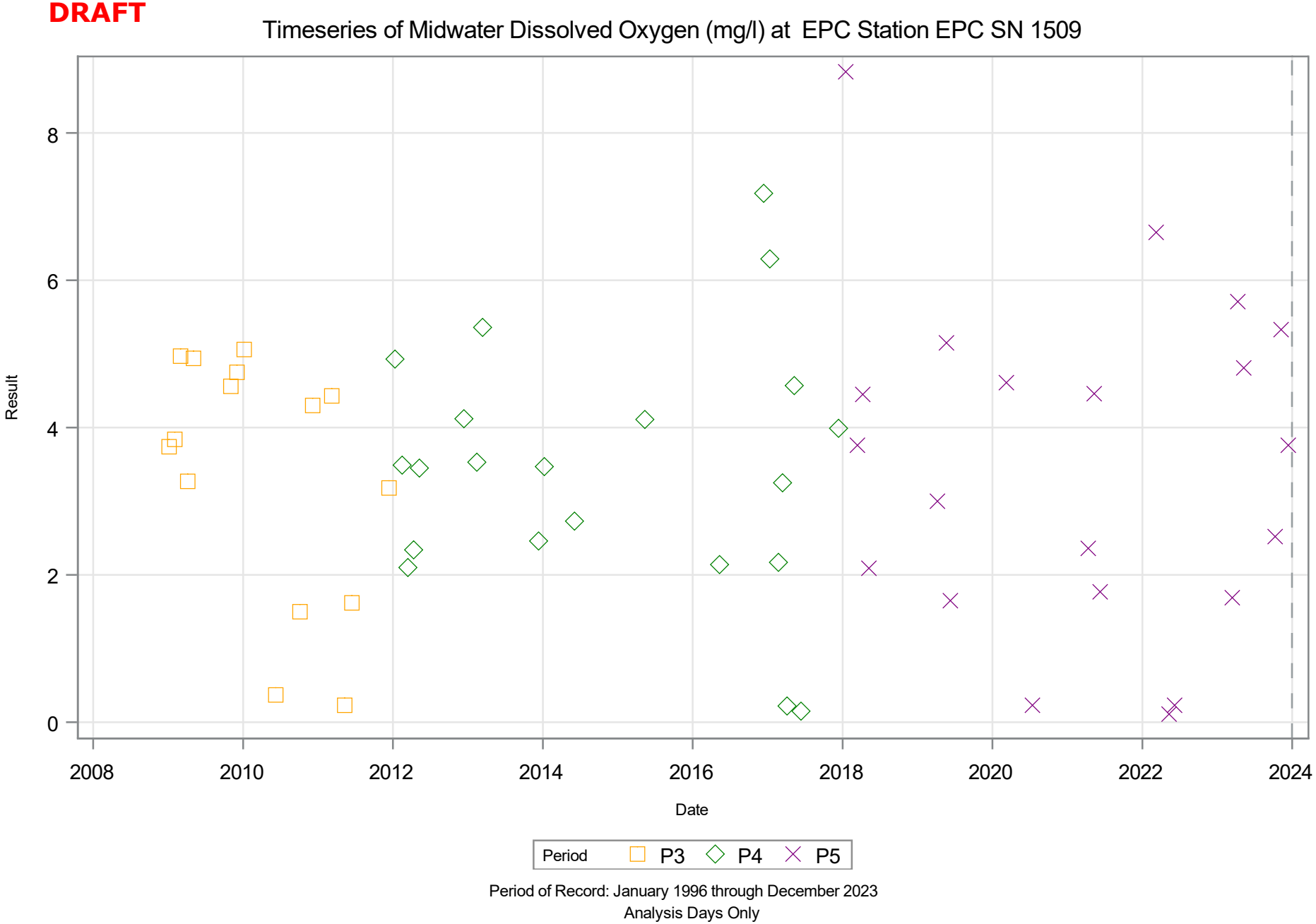
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.20	1.55	3.31	3.18	4.74	7.45
P4	21	0.14	1.52	2.91	3.14	4.35	5.33
P5	21	0.09	0.90	2.36	2.30	3.14	8.41

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

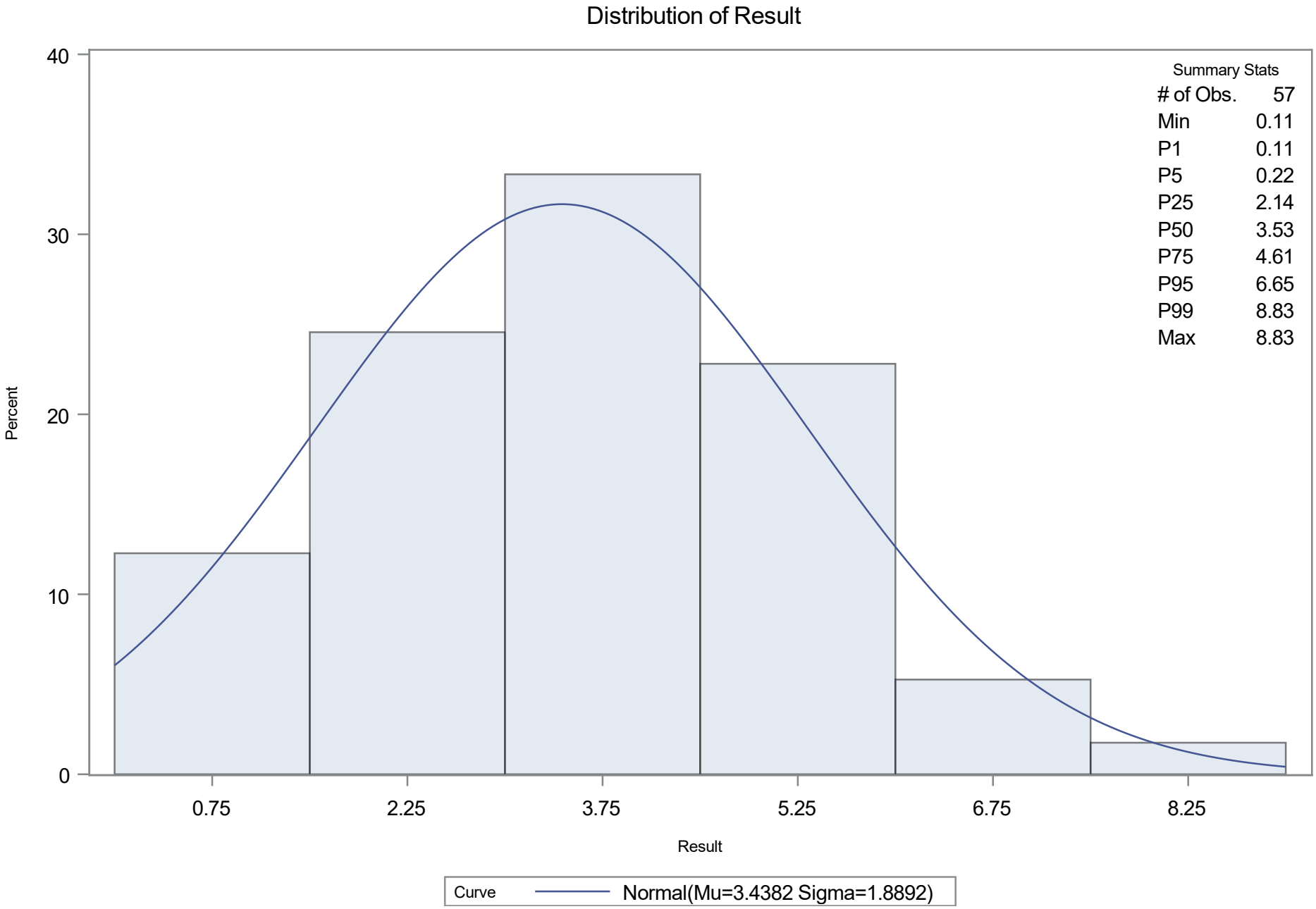
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.438246
Std Dev	Sigma	1.889233

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07062655	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05202722	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.43657661	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	-0.95677
5.0	0.22000	0.33073
10.0	0.23000	1.01710
25.0	2.14000	2.16398
50.0	3.53000	3.43825
75.0	4.61000	4.71251
90.0	5.36000	5.85939
95.0	6.65000	6.54576
99.0	8.83000	7.83326

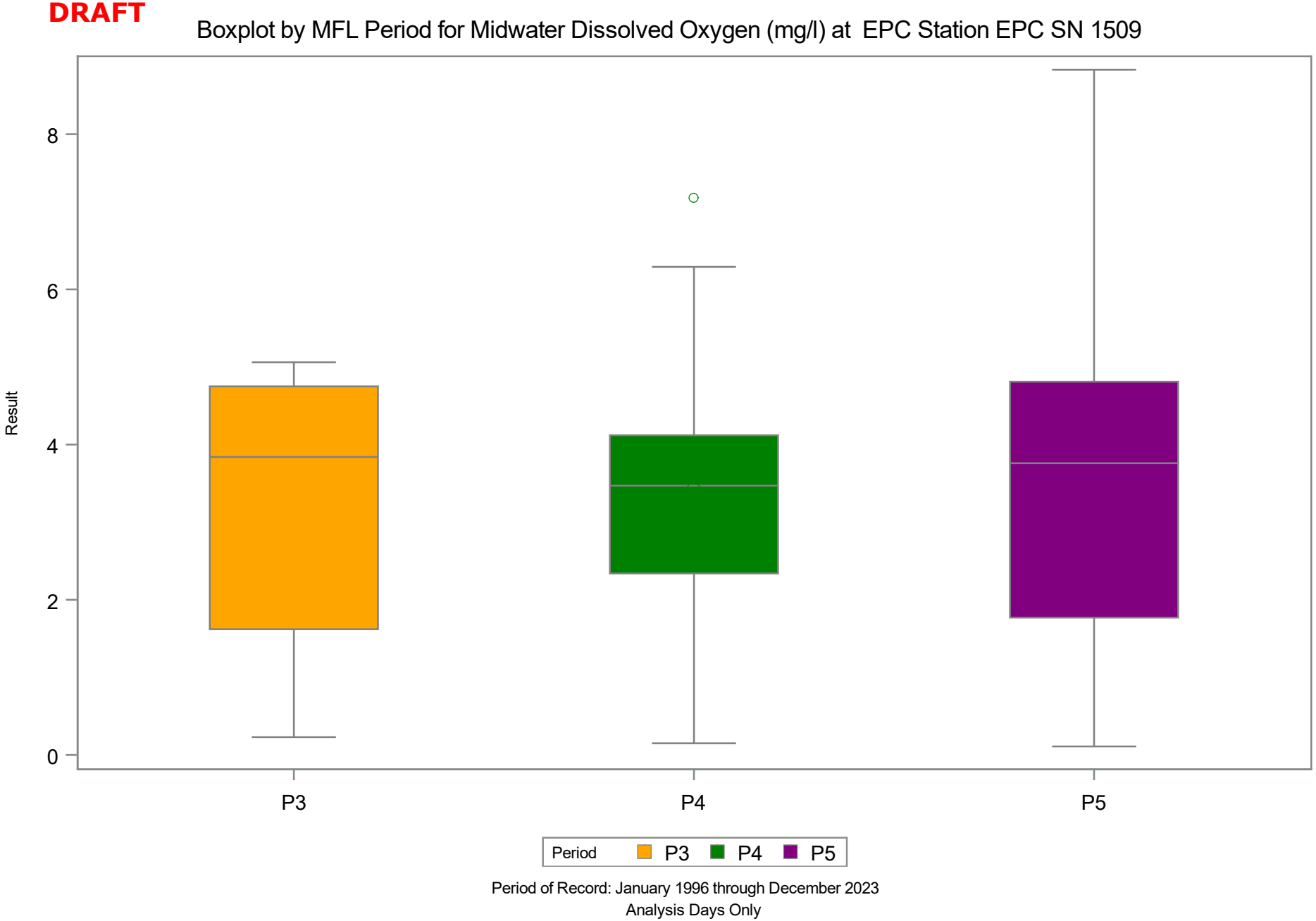
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509**

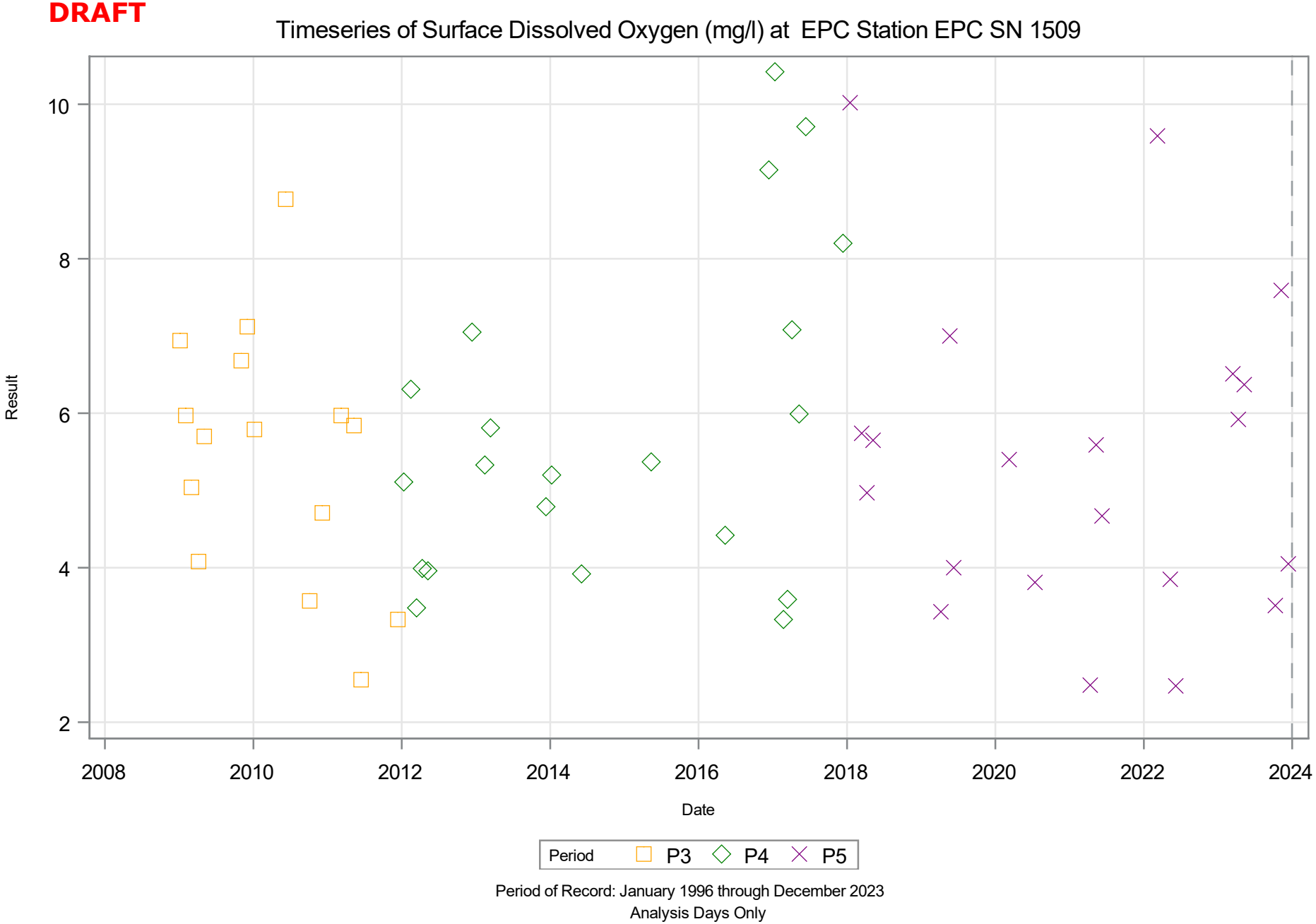
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.23	1.62	3.38	3.84	4.75	5.06
P4	21	0.15	2.34	3.43	3.47	4.12	7.18
P5	21	0.11	1.77	3.48	3.76	4.81	8.83

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

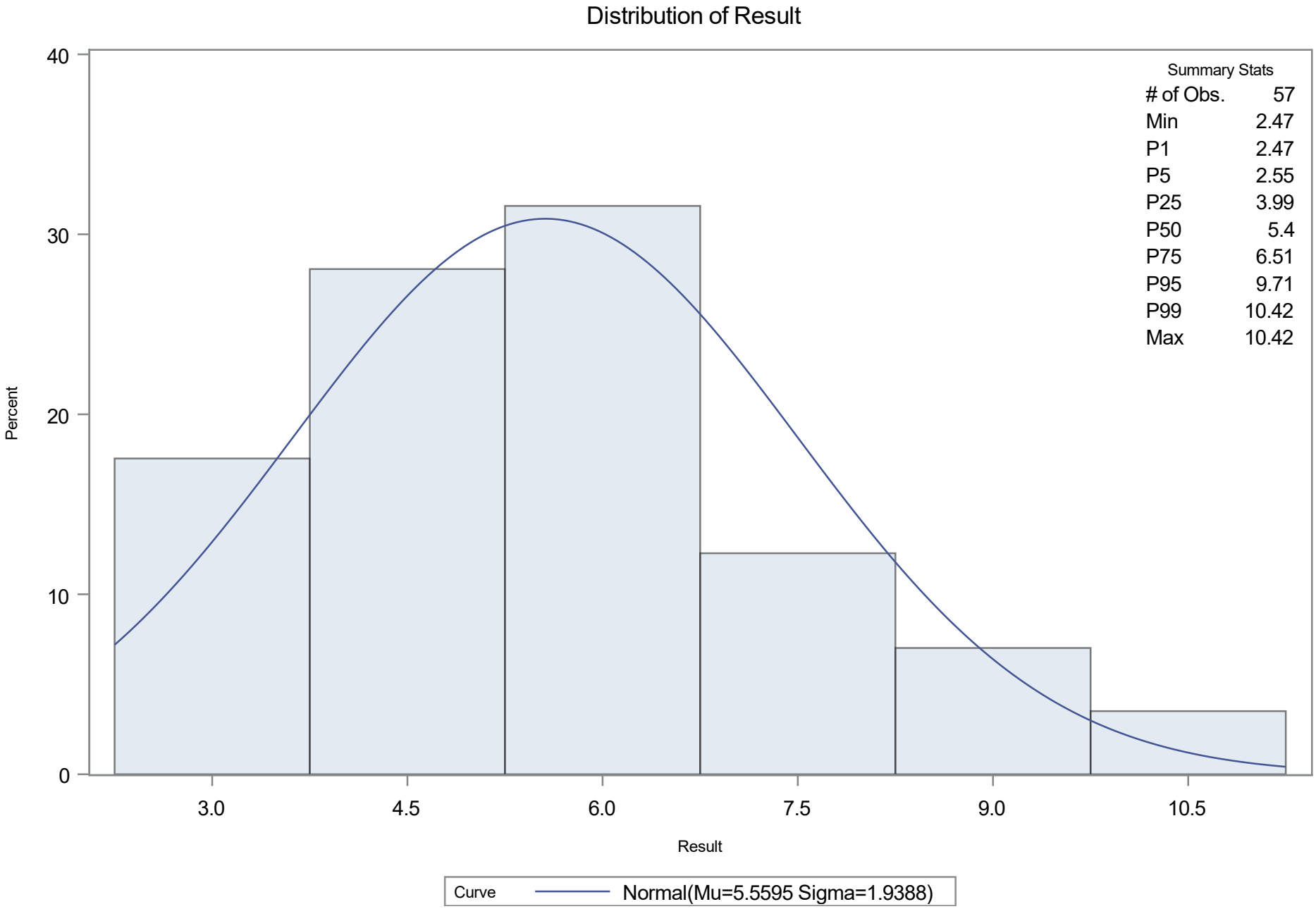

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509
Result
0
2
4
6
8
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509
Result
10
8
6
4
2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.559474
Std Dev	Sigma	1.938819

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11388955	**Pr > D**	0.065
Cramer-von Mises	**W-Sq**	0.11116483	**Pr > W-Sq**	0.082
Anderson-Darling	**A-Sq**	0.83791556	**Pr > A-Sq**	0.030

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.47000	1.04911
5.0	2.55000	2.37040
10.0	3.43000	3.07478
25.0	3.99000	4.25176
50.0	5.40000	5.55947
75.0	6.51000	6.86719
90.0	8.77000	8.04417
95.0	9.71000	8.74855
99.0	10.42000	10.06984

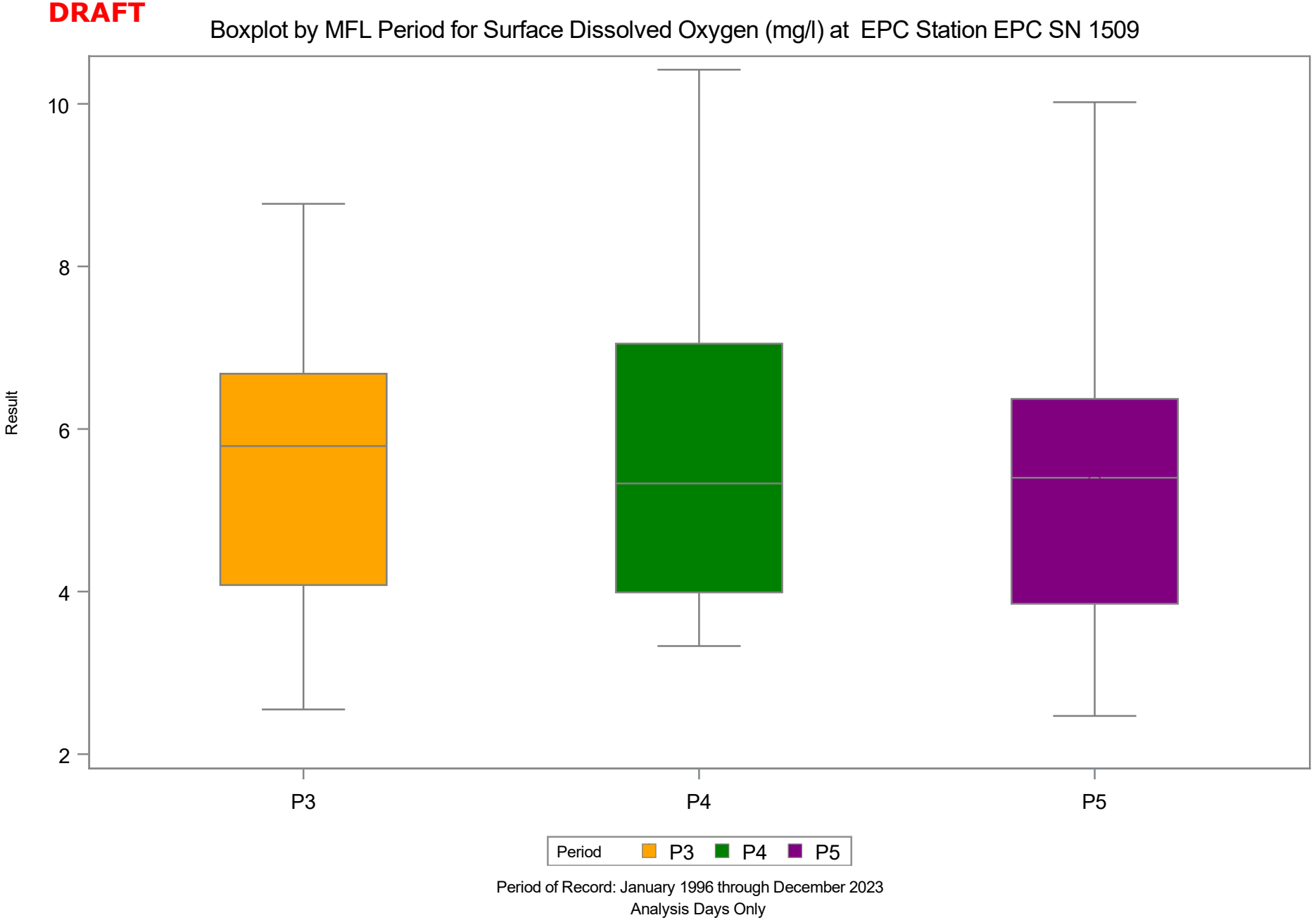
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509**

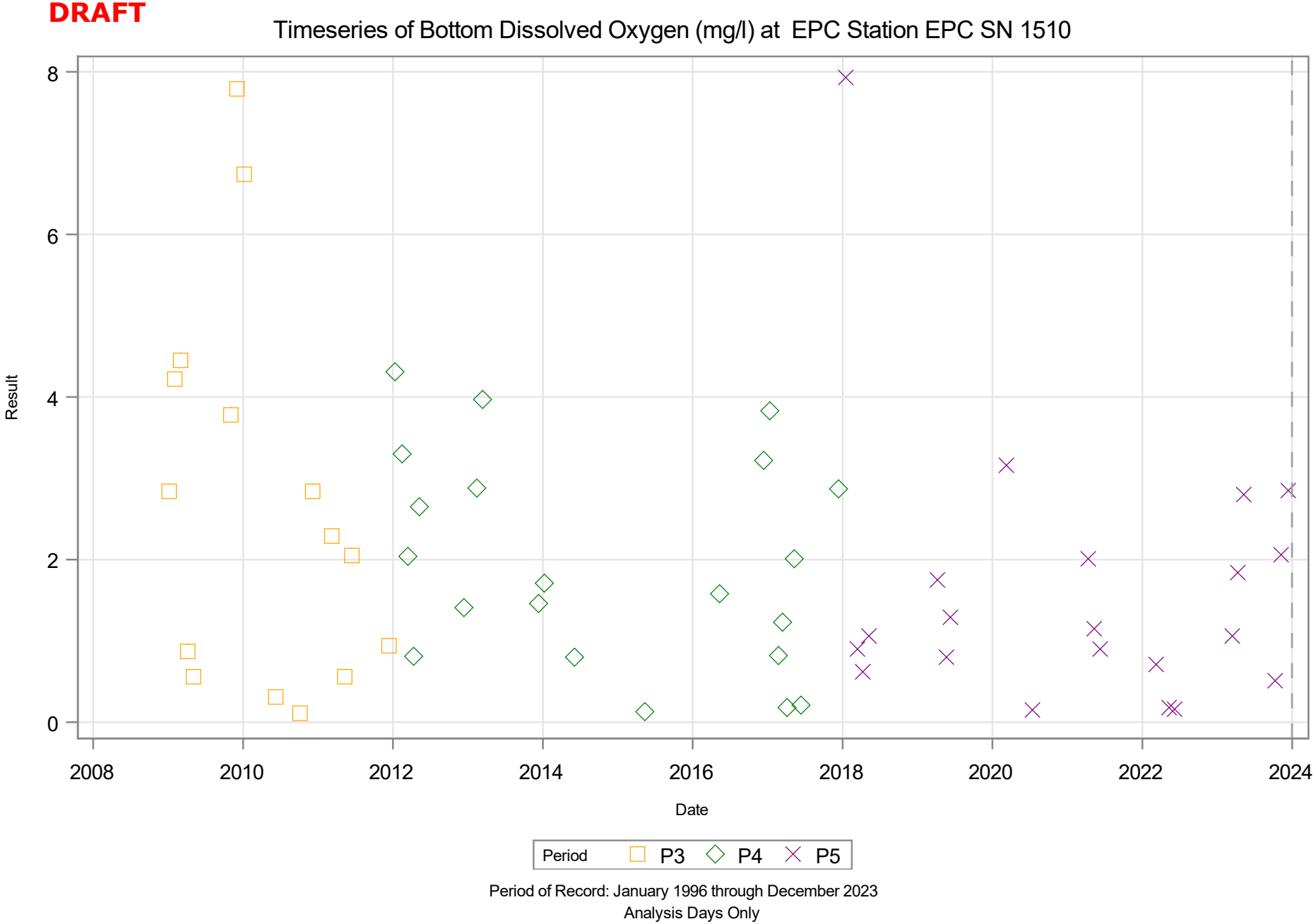
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.55	4.08	5.47	5.79	6.68	8.77
P4	21	3.33	3.99	5.82	5.33	7.05	10.42
P5	21	2.47	3.85	5.36	5.40	6.37	10.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

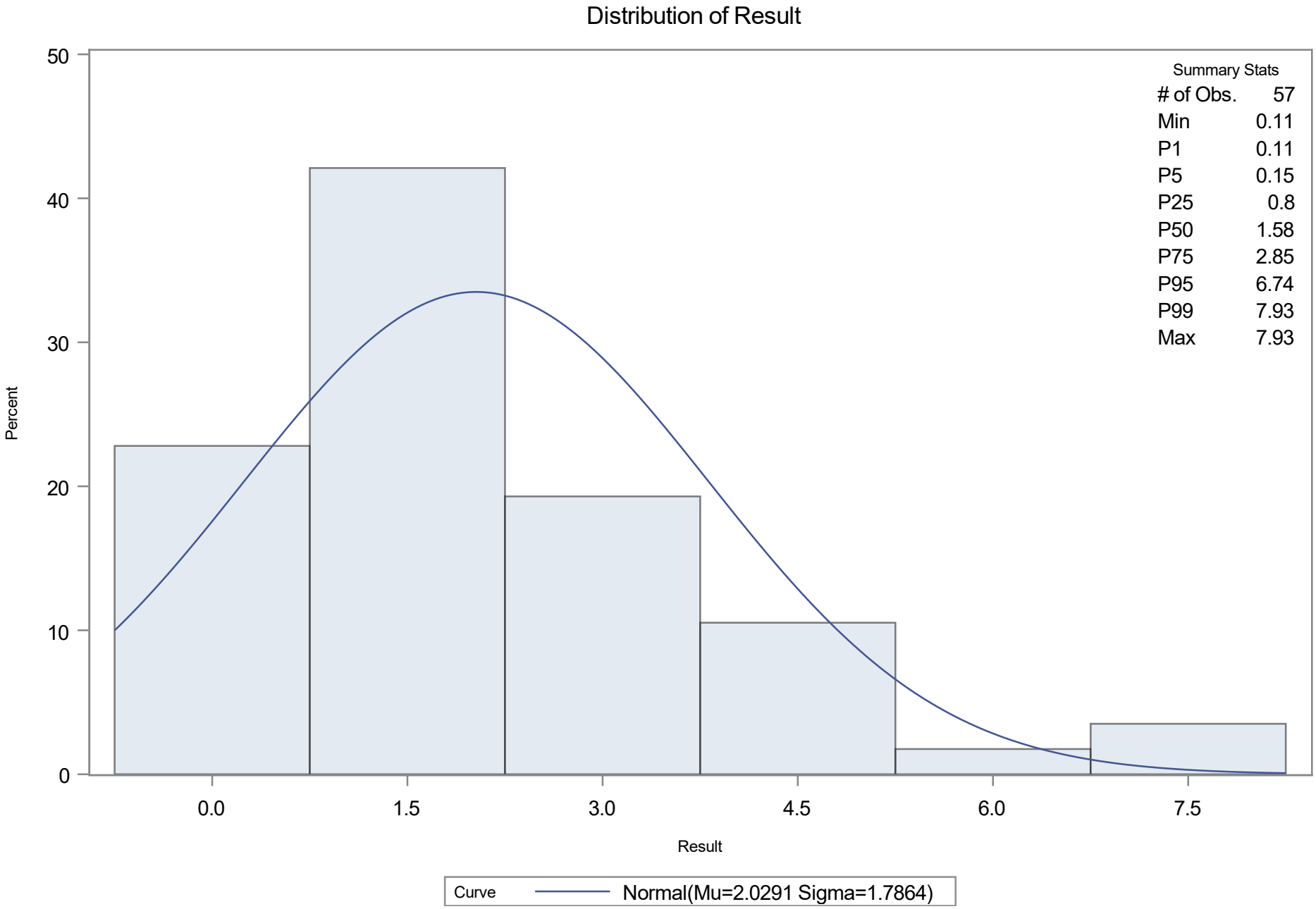

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1509
Result
10
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510
Result
0
2
4
6
8
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.029123
Std Dev	Sigma	1.786351

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14222741	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.30832852	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.10691151	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	-2.12655
5.0	0.15000	-0.90916
10.0	0.18000	-0.26018
25.0	0.80000	0.82425
50.0	1.58000	2.02912
75.0	2.85000	3.23400
90.0	4.22000	4.31842
95.0	6.74000	4.96741
99.0	7.93000	6.18480

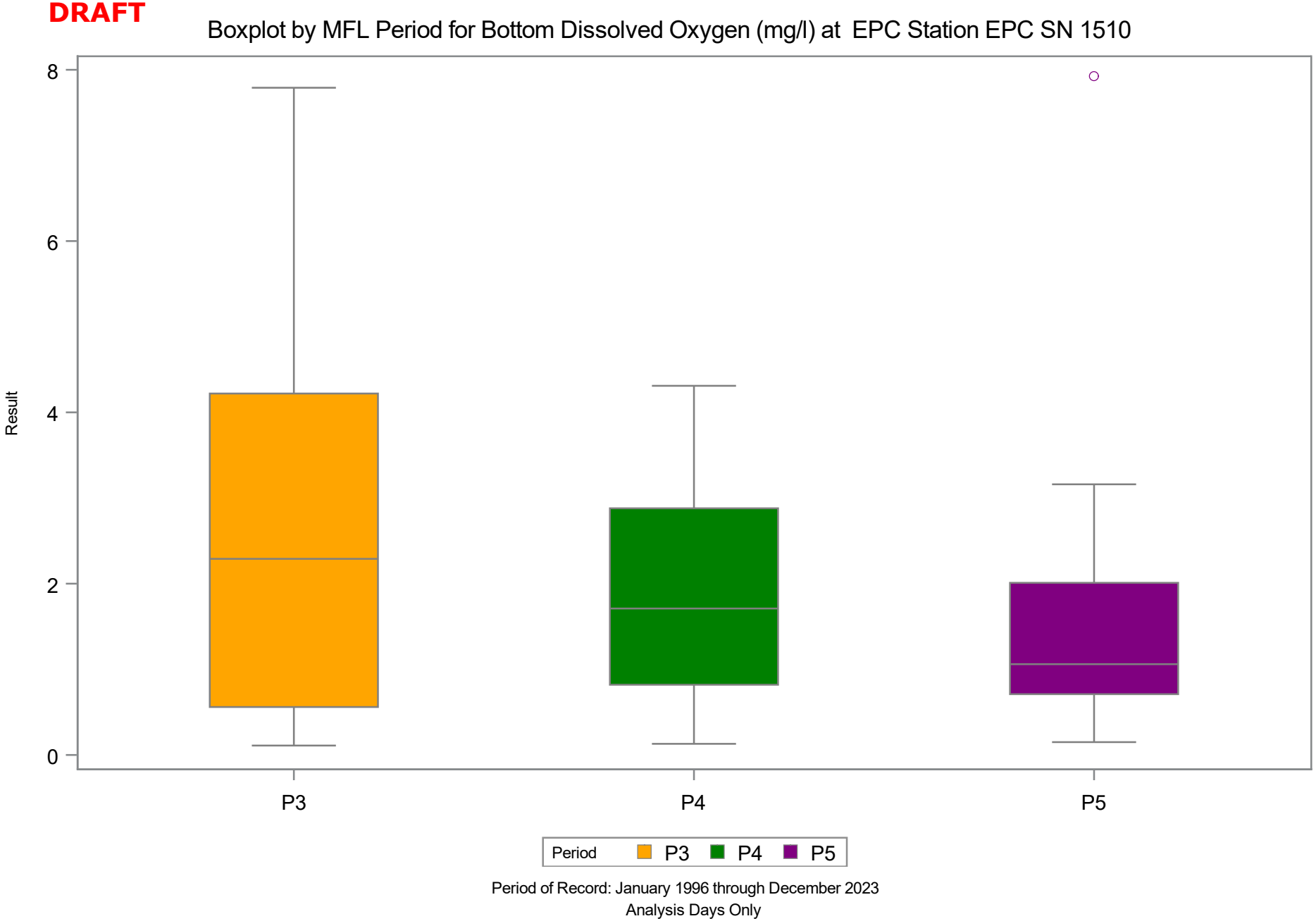
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.11	0.56	2.69	2.29	4.22	7.79
P4	21	0.13	0.82	1.97	1.71	2.88	4.31
P5	21	0.15	0.71	1.61	1.06	2.01	7.93

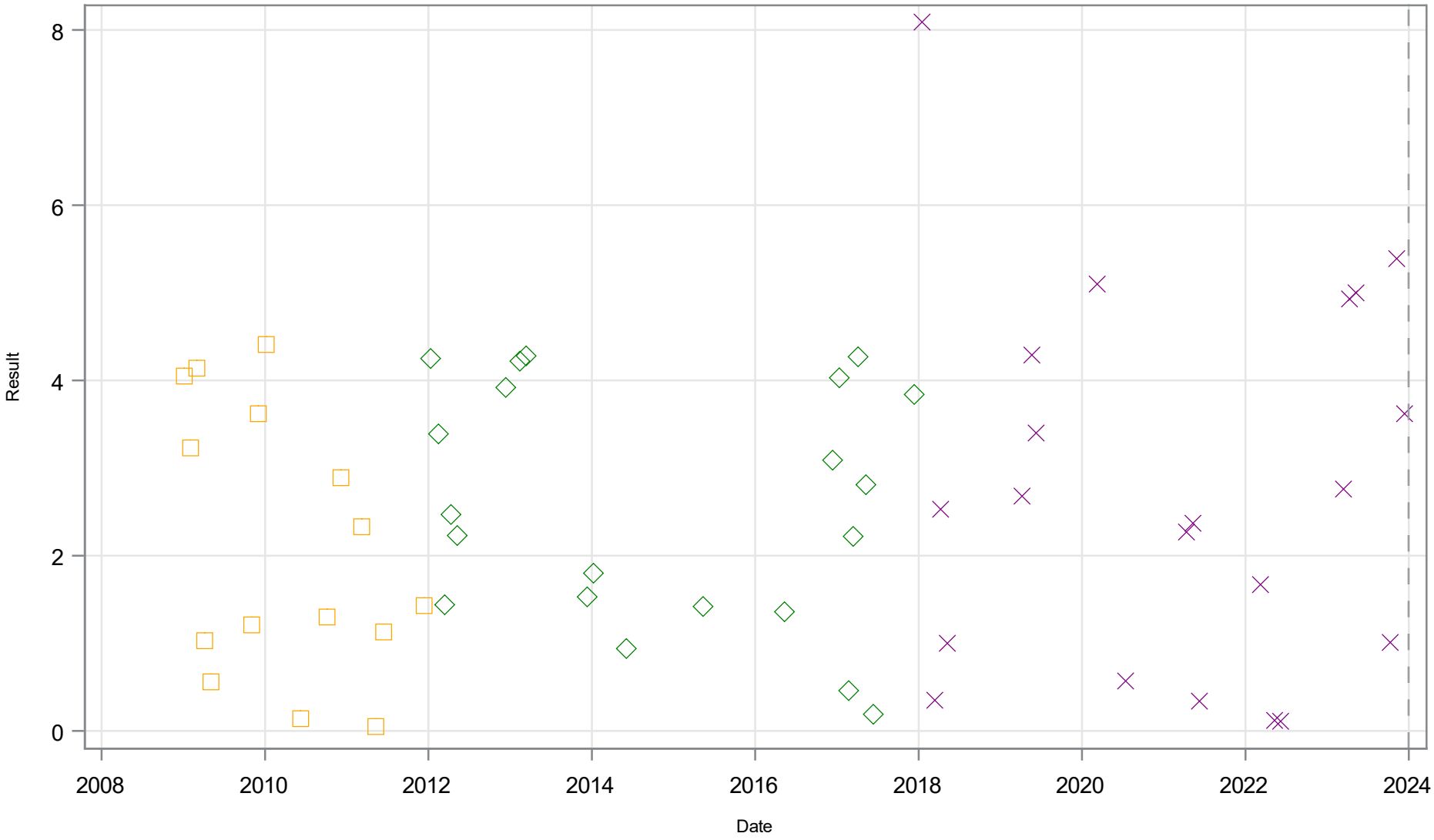
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

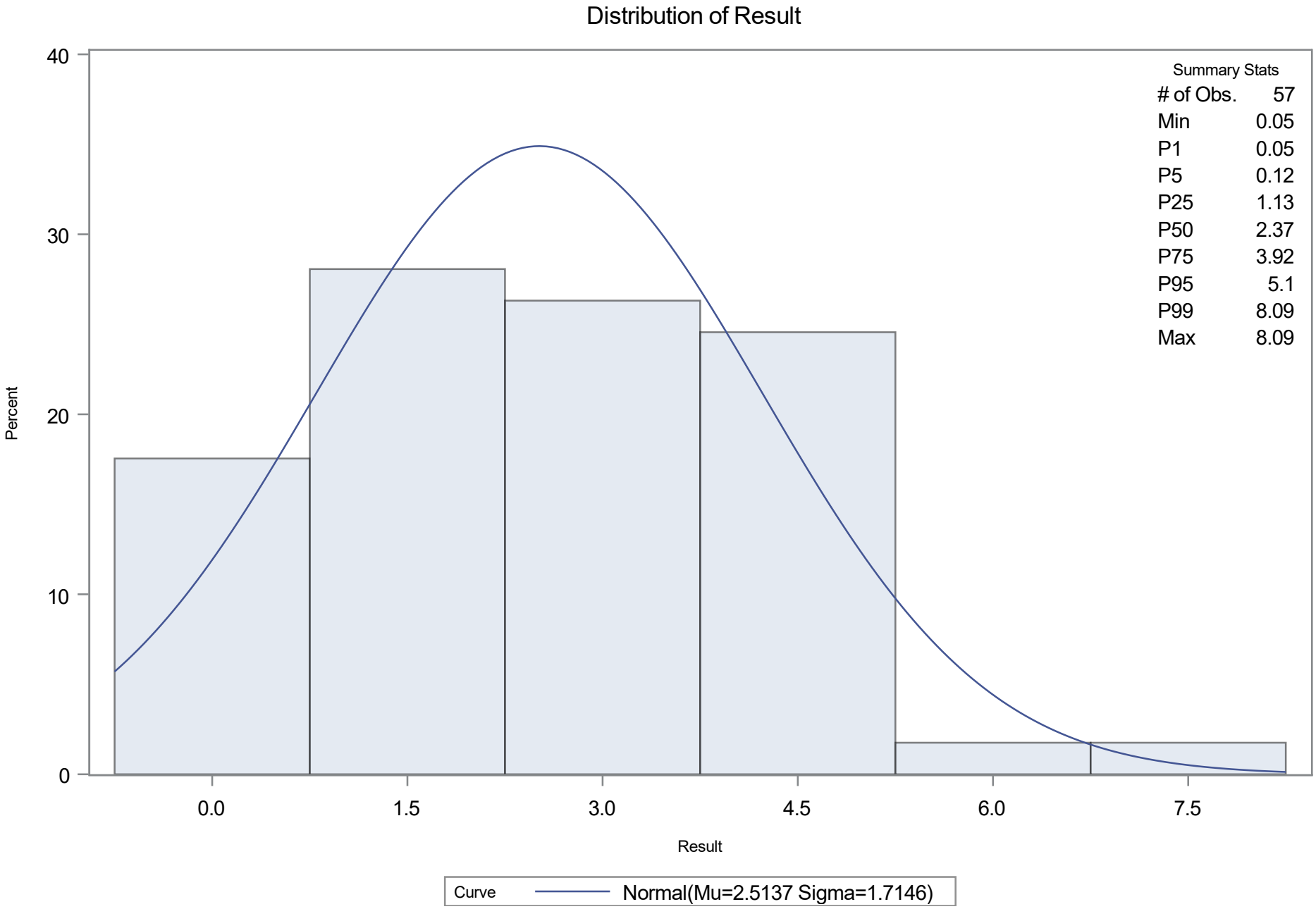
Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.513684
Std Dev	Sigma	1.714635

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10287911	**Pr > D**	0.136
Cramer-von Mises	**W-Sq**	0.09152684	**Pr > W-Sq**	0.145
Anderson-Darling	**A-Sq**	0.67246031	**Pr > A-Sq**	0.079

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.05000	-1.47515
5.0	0.12000	-0.30664
10.0	0.34000	0.31629
25.0	1.13000	1.35718
50.0	2.37000	2.51368
75.0	3.92000	3.67019
90.0	4.41000	4.71108
95.0	5.10000	5.33401
99.0	8.09000	6.50252

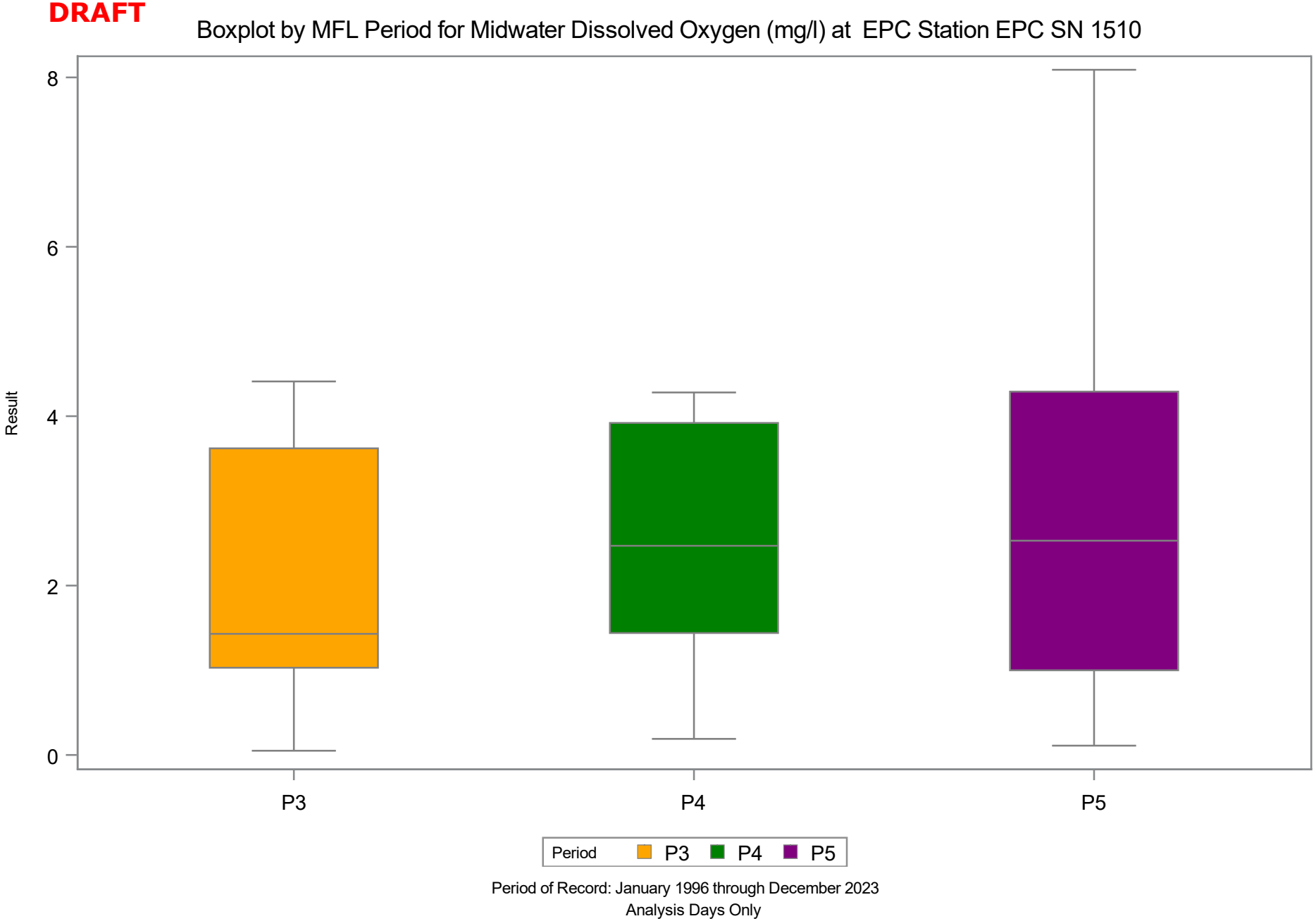
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510**

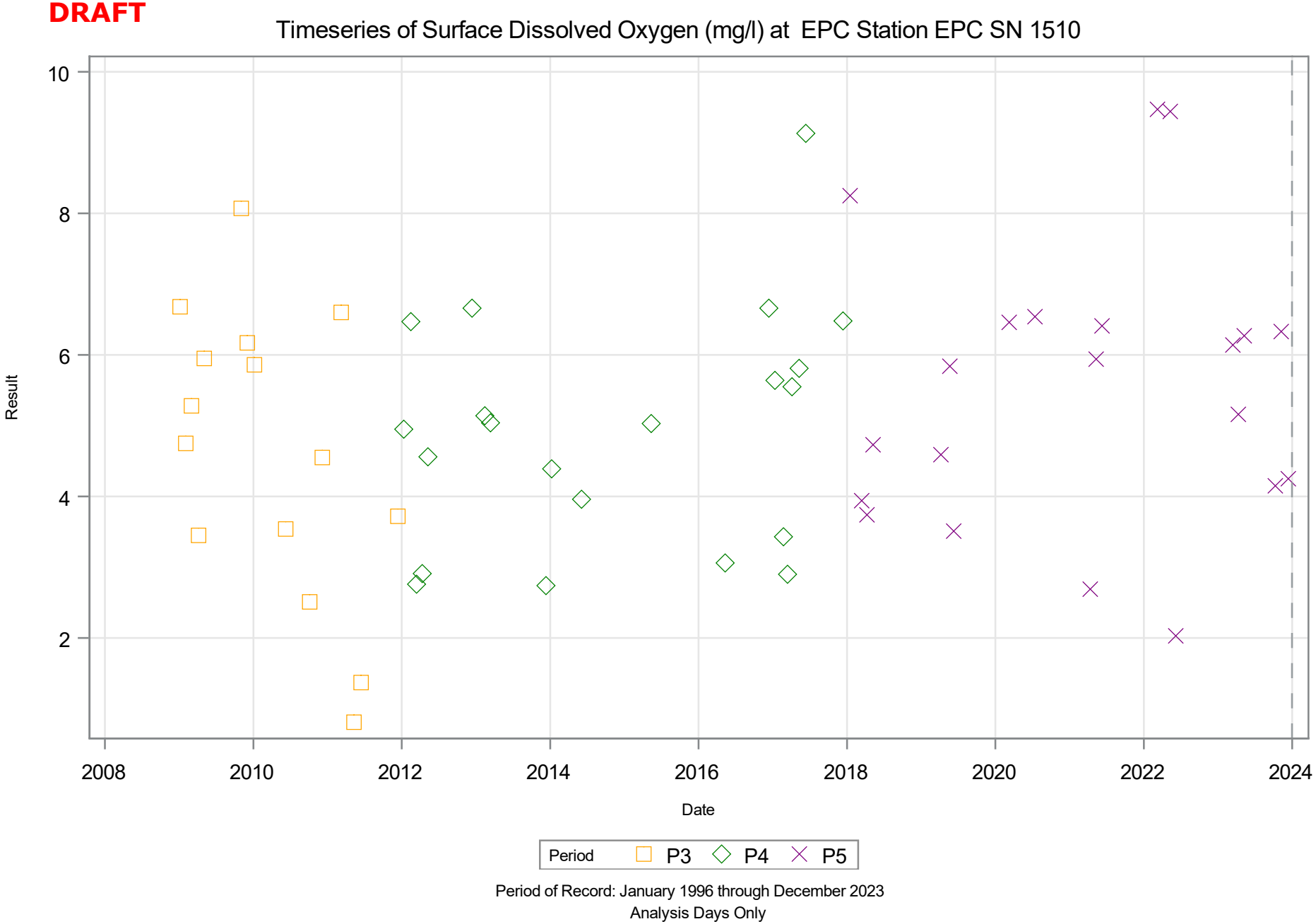
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.05	1.03	2.10	1.43	3.62	4.41
P4	21	0.19	1.44	2.58	2.47	3.92	4.28
P5	21	0.11	1.00	2.74	2.53	4.29	8.09

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

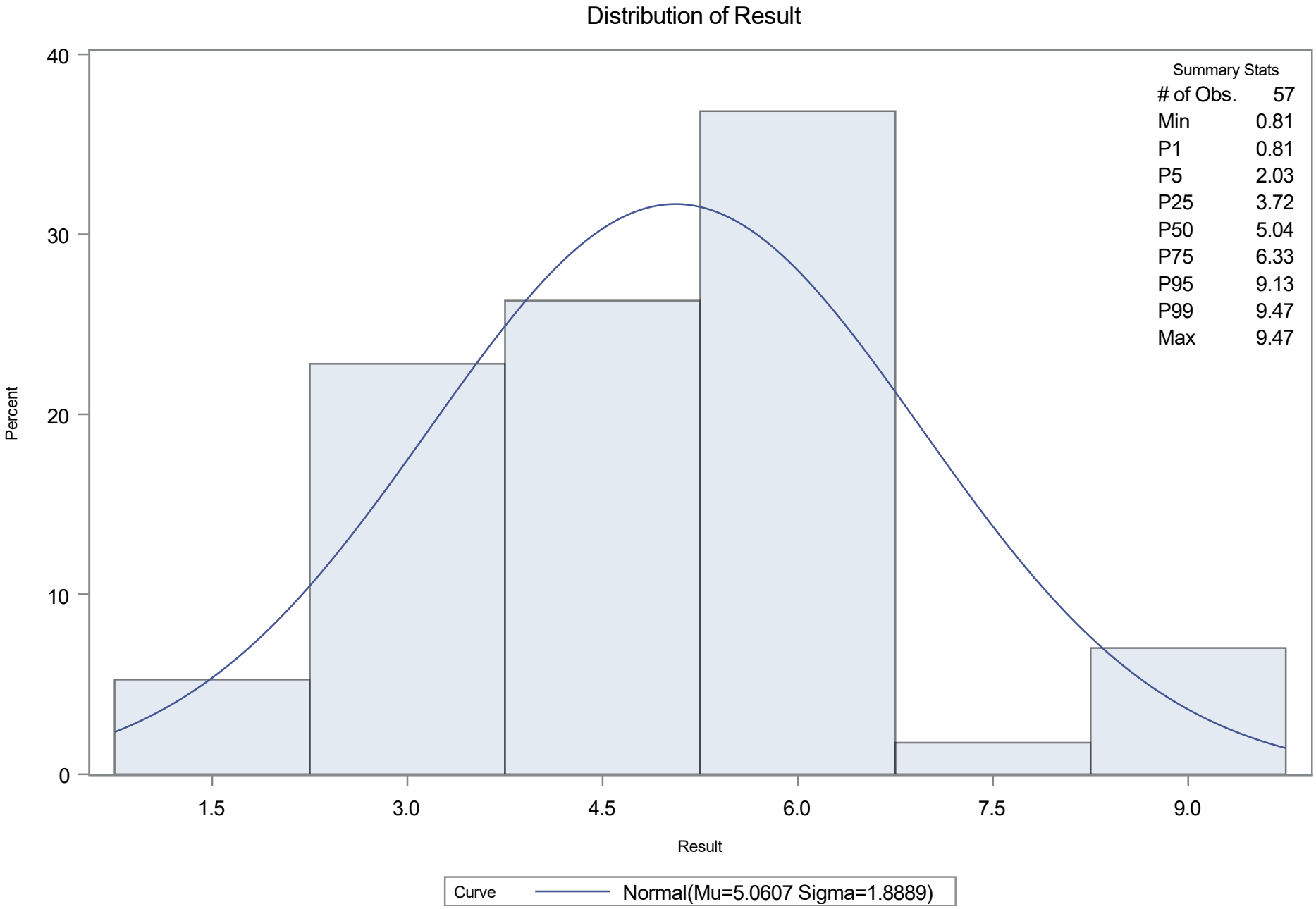
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.060702
Std Dev	Sigma	1.888912

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10792992	**Pr > D**	0.095
Cramer-von Mises	**W-Sq**	0.04788145	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38138539	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.81000	0.66644
5.0	2.03000	1.95372
10.0	2.74000	2.63996
25.0	3.72000	3.78665
50.0	5.04000	5.06070
75.0	6.33000	6.33475
90.0	6.68000	7.48144
95.0	9.13000	8.16769
99.0	9.47000	9.45497

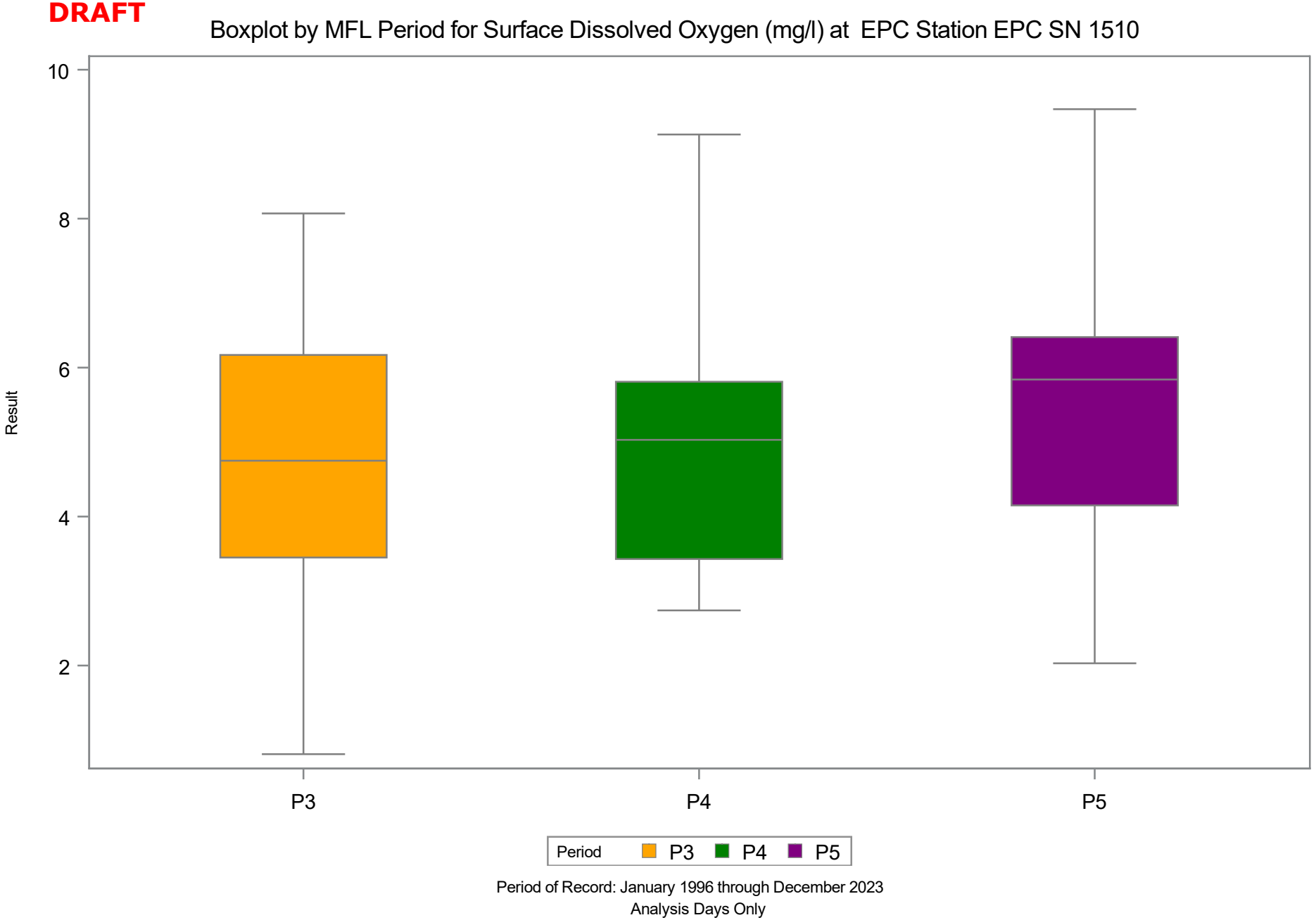
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510**

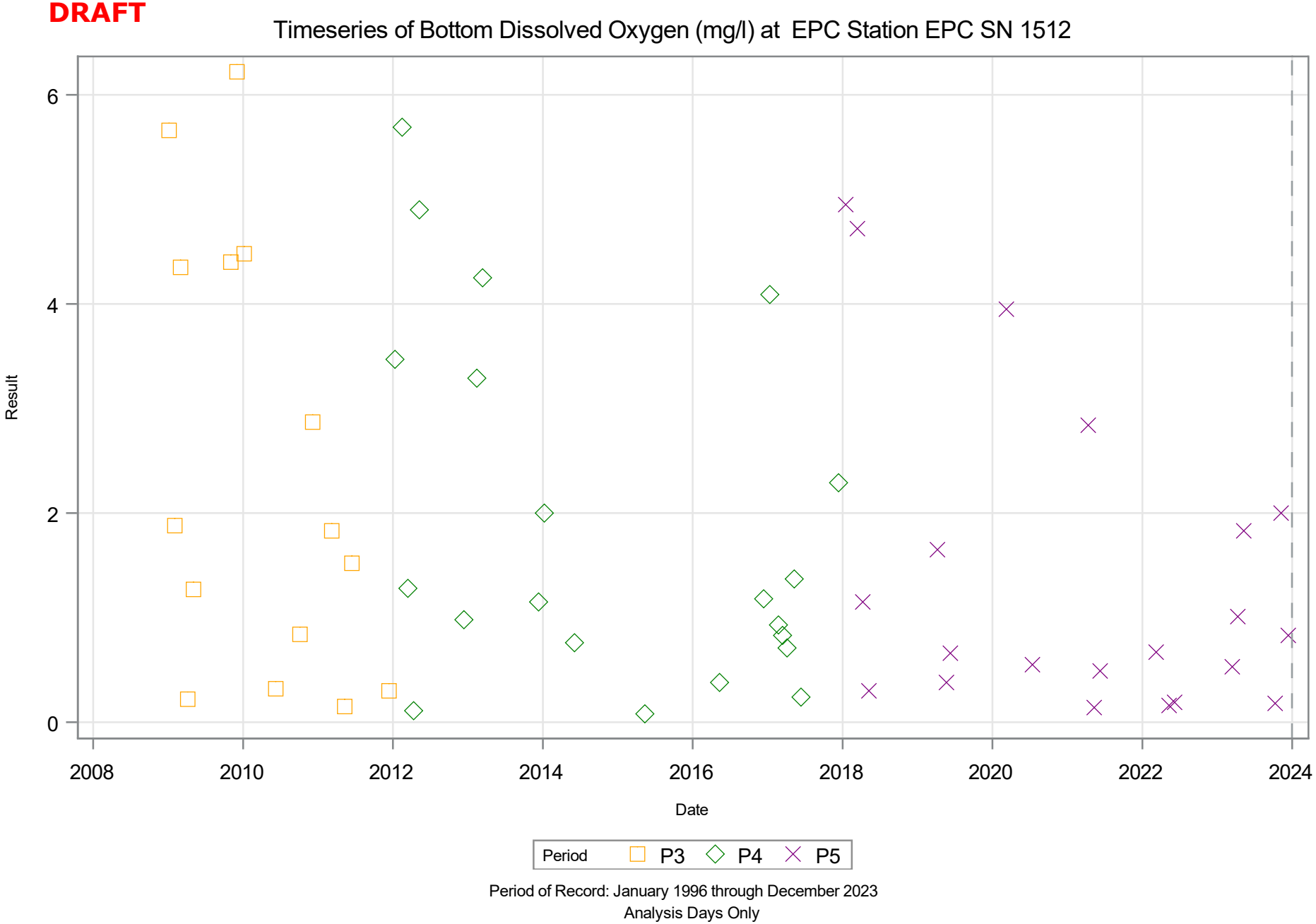
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.81	3.45	4.62	4.75	6.17	8.07
P4	21	2.74	3.43	4.92	5.03	5.81	9.13
P5	21	2.03	4.15	5.52	5.84	6.41	9.47

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1510
Result
10
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

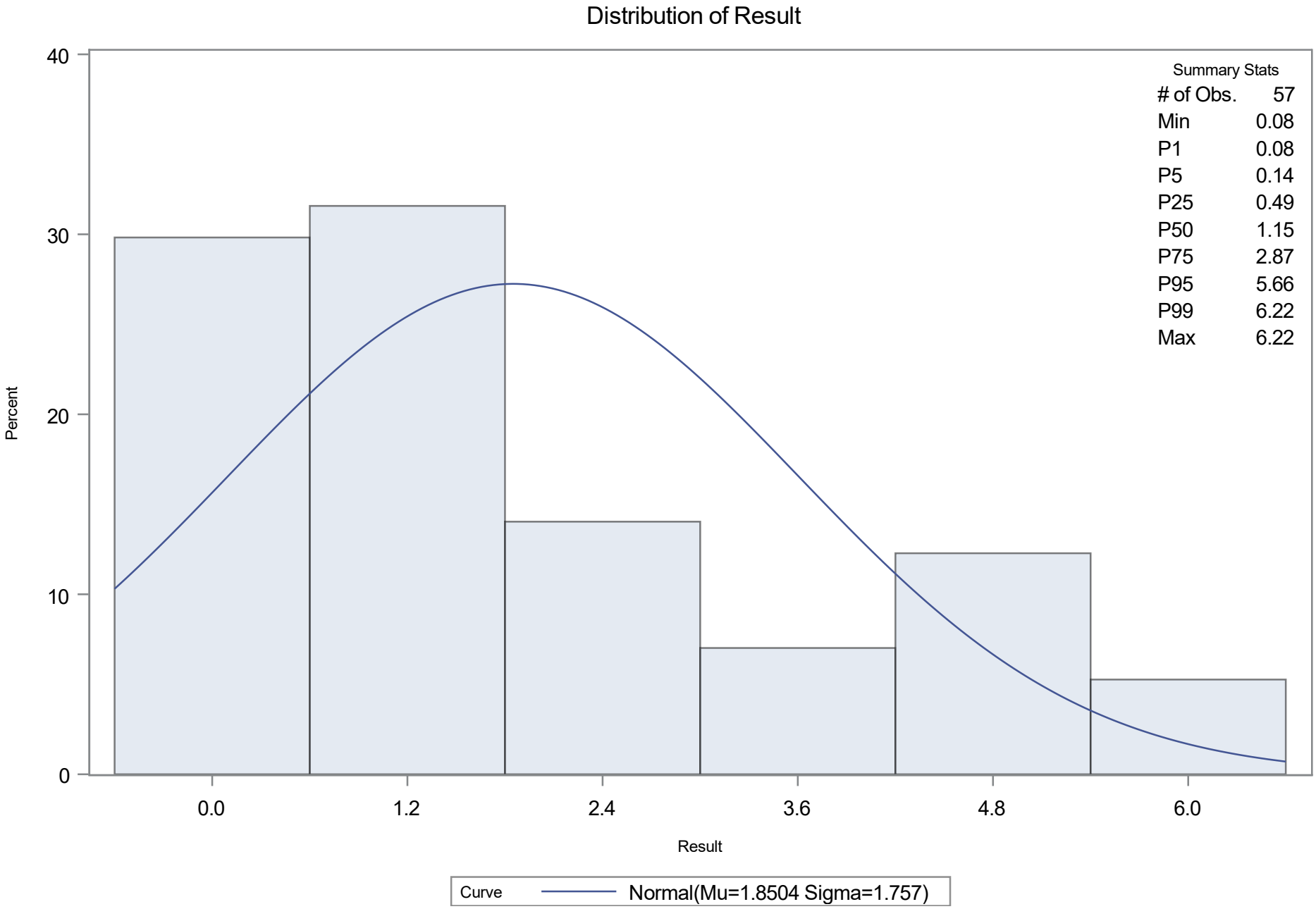
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.850351
Std Dev	Sigma	1.756992

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18866832	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.58584022	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.30345204	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.08000	-2.23702
5.0	0.14000	-1.03964
10.0	0.18000	-0.40133
25.0	0.49000	0.66528
50.0	1.15000	1.85035
75.0	2.87000	3.03542
90.0	4.72000	4.10203
95.0	5.66000	4.74035
99.0	6.22000	5.93773

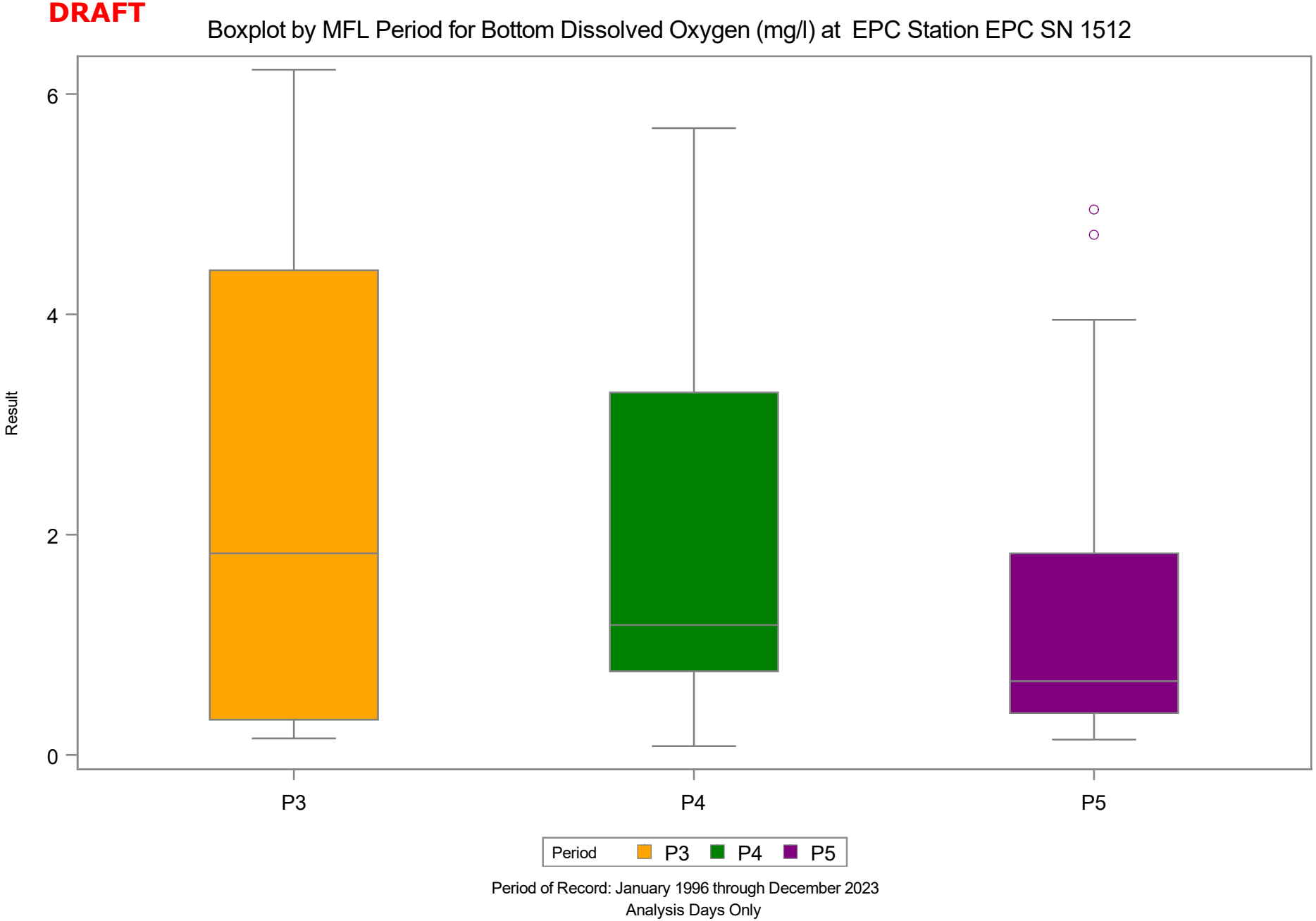
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512**

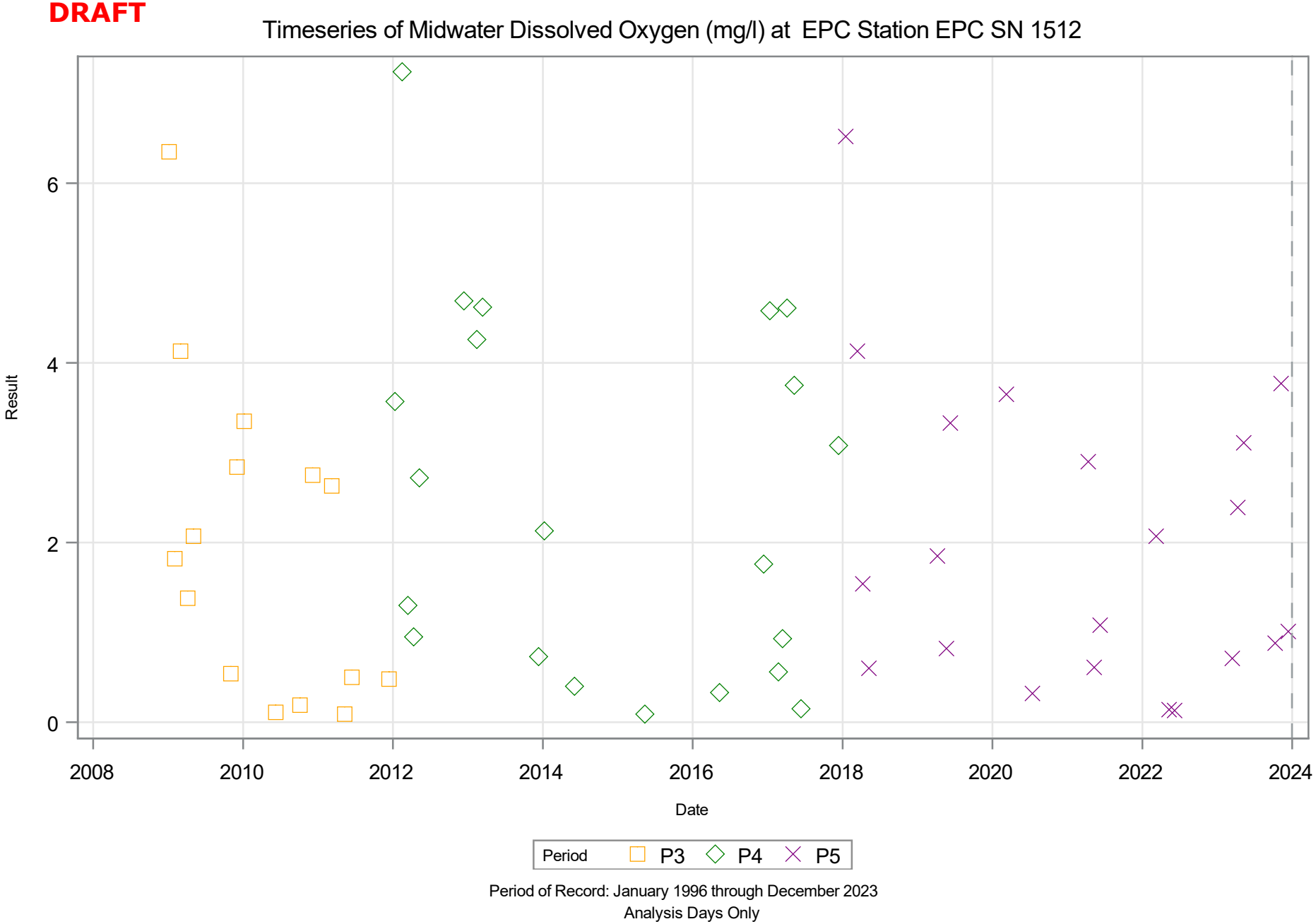
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.15	0.32	2.42	1.83	4.40	6.22
P4	21	0.08	0.76	1.90	1.18	3.29	5.69
P5	21	0.14	0.38	1.39	0.67	1.83	4.95

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512
Result
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

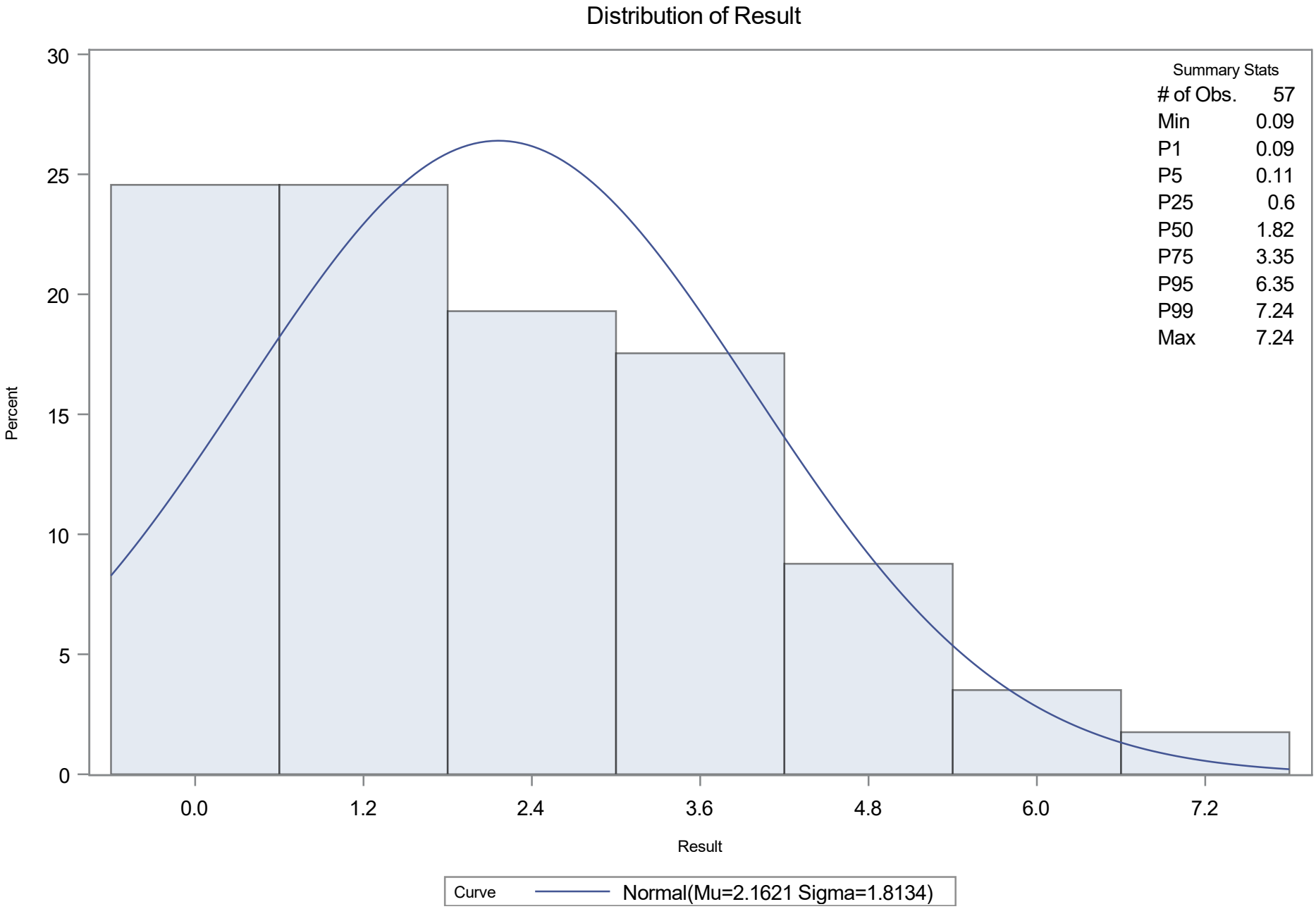
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.162105
Std Dev	Sigma	1.813425

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14570516	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22886424	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.51751556	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09000	-2.05655
5.0	0.11000	-0.82071
10.0	0.15000	-0.16189
25.0	0.60000	0.93897
50.0	1.82000	2.16211
75.0	3.35000	3.38524
90.0	4.61000	4.48610
95.0	6.35000	5.14492
99.0	7.24000	6.38076

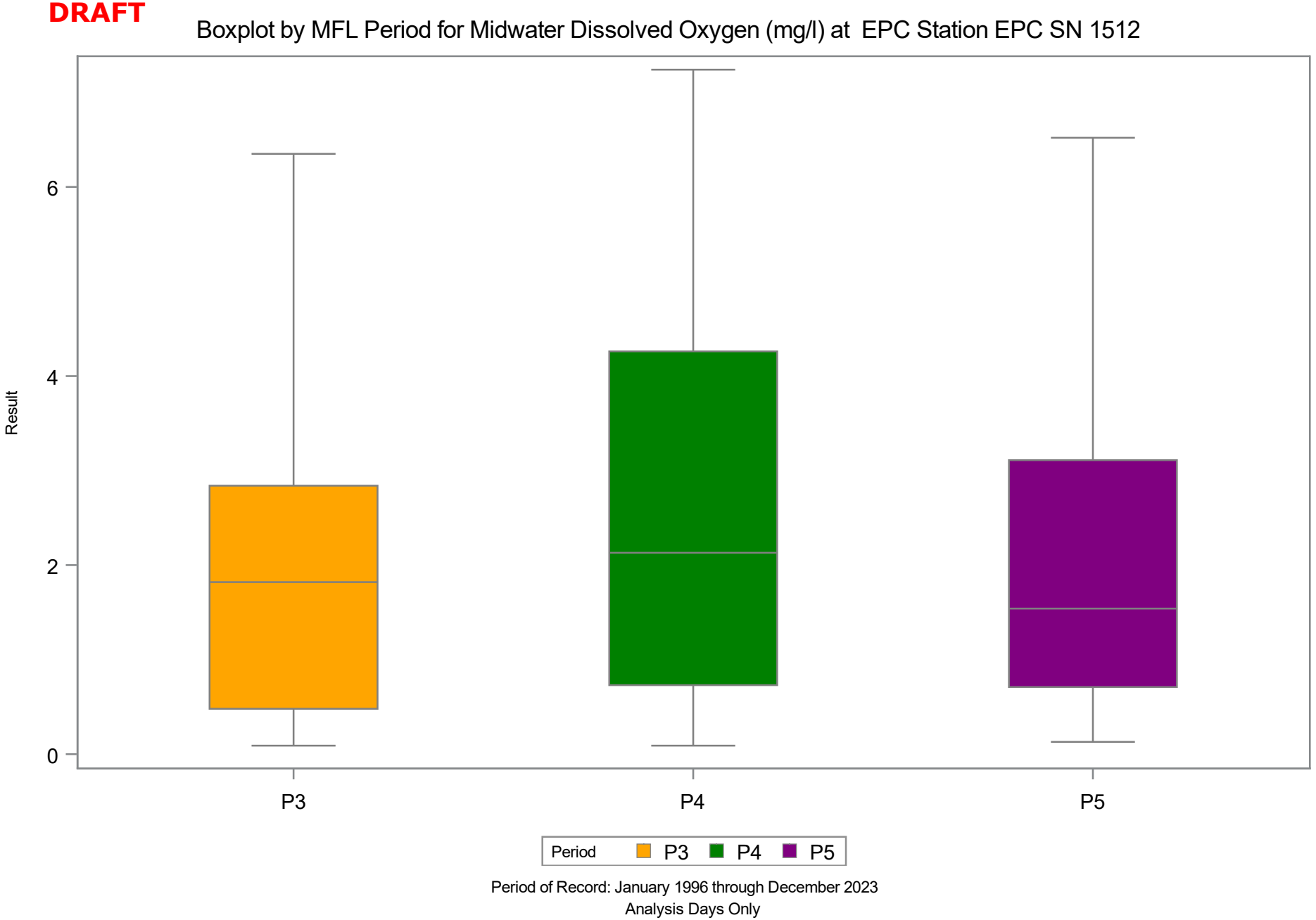
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512**

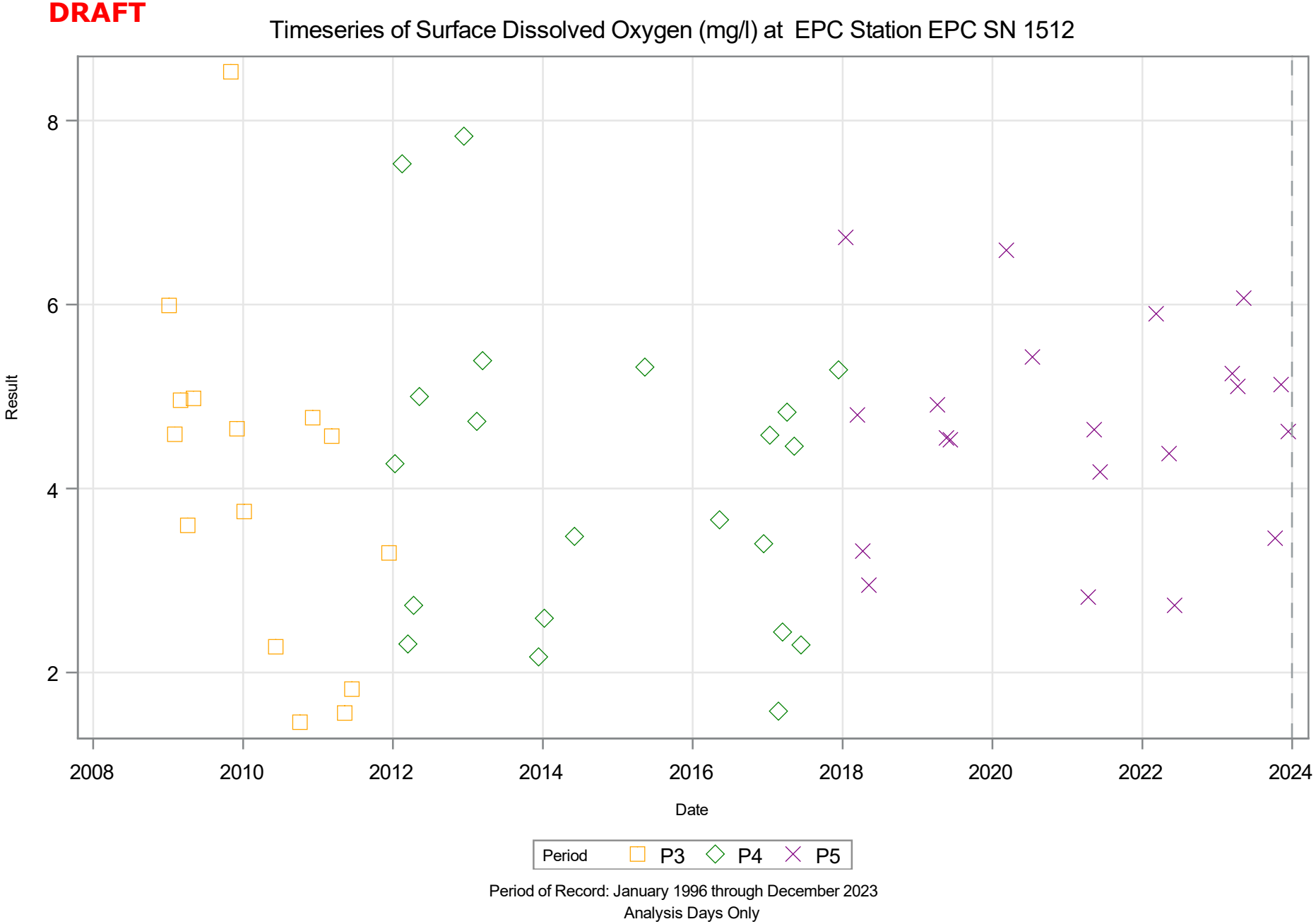
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.09	0.48	1.95	1.82	2.84	6.35
P4	21	0.09	0.73	2.50	2.13	4.26	7.24
P5	21	0.13	0.71	1.98	1.54	3.11	6.52

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

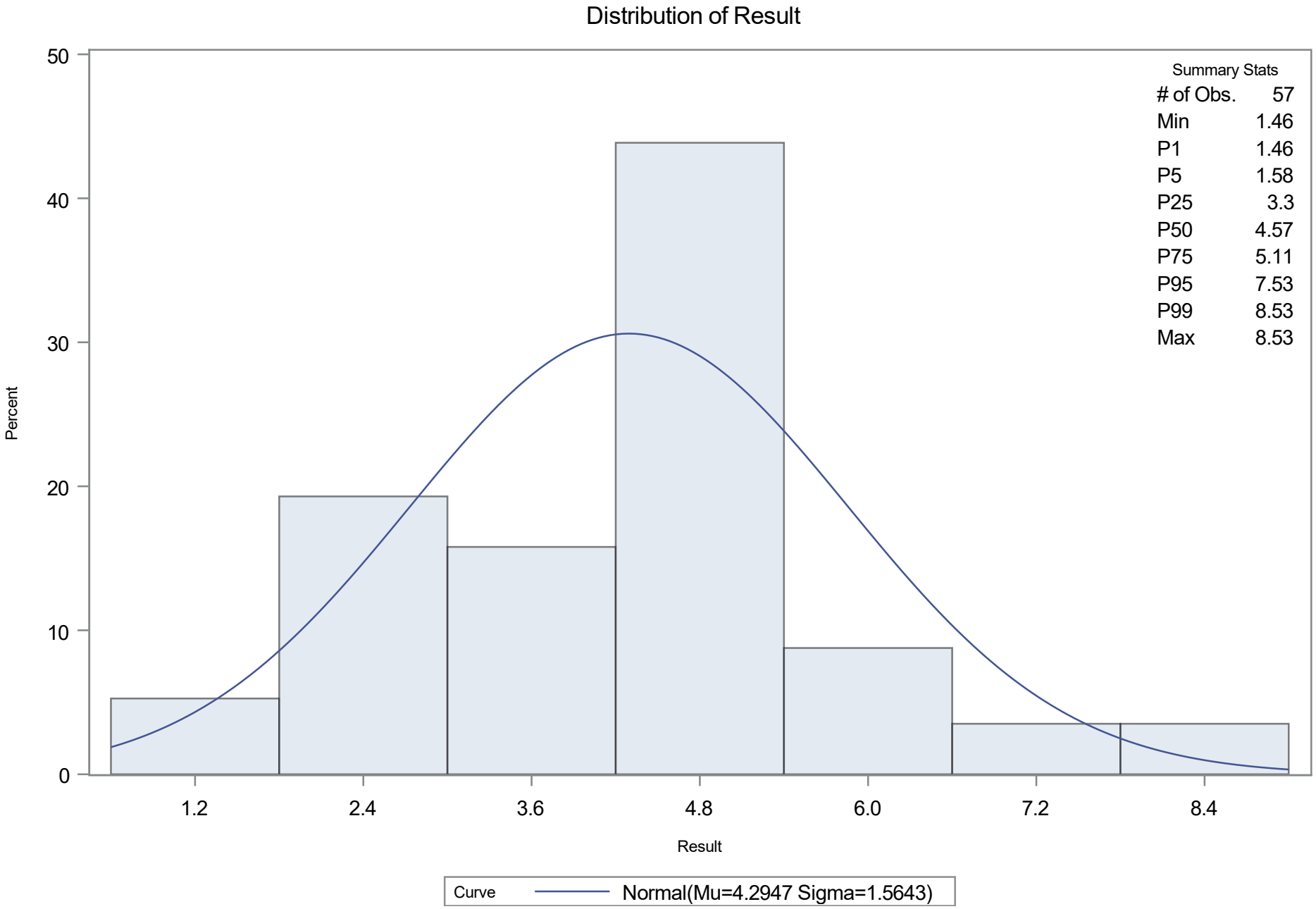

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512
Result
0
2
4
6
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512
Result
8
6
4
2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.294737
Std Dev	Sigma	1.564265

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10363454	**Pr > D**	0.129
Cramer-von Mises	**W-Sq**	0.10919506	**Pr > W-Sq**	0.086
Anderson-Darling	**A-Sq**	0.61904999	**Pr > A-Sq**	0.102

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.46000	0.65571
5.0	1.58000	1.72175
10.0	2.28000	2.29005
25.0	3.30000	3.23966
50.0	4.57000	4.29474
75.0	5.11000	5.34982
90.0	6.07000	6.29942
95.0	7.53000	6.86772
99.0	8.53000	7.93376

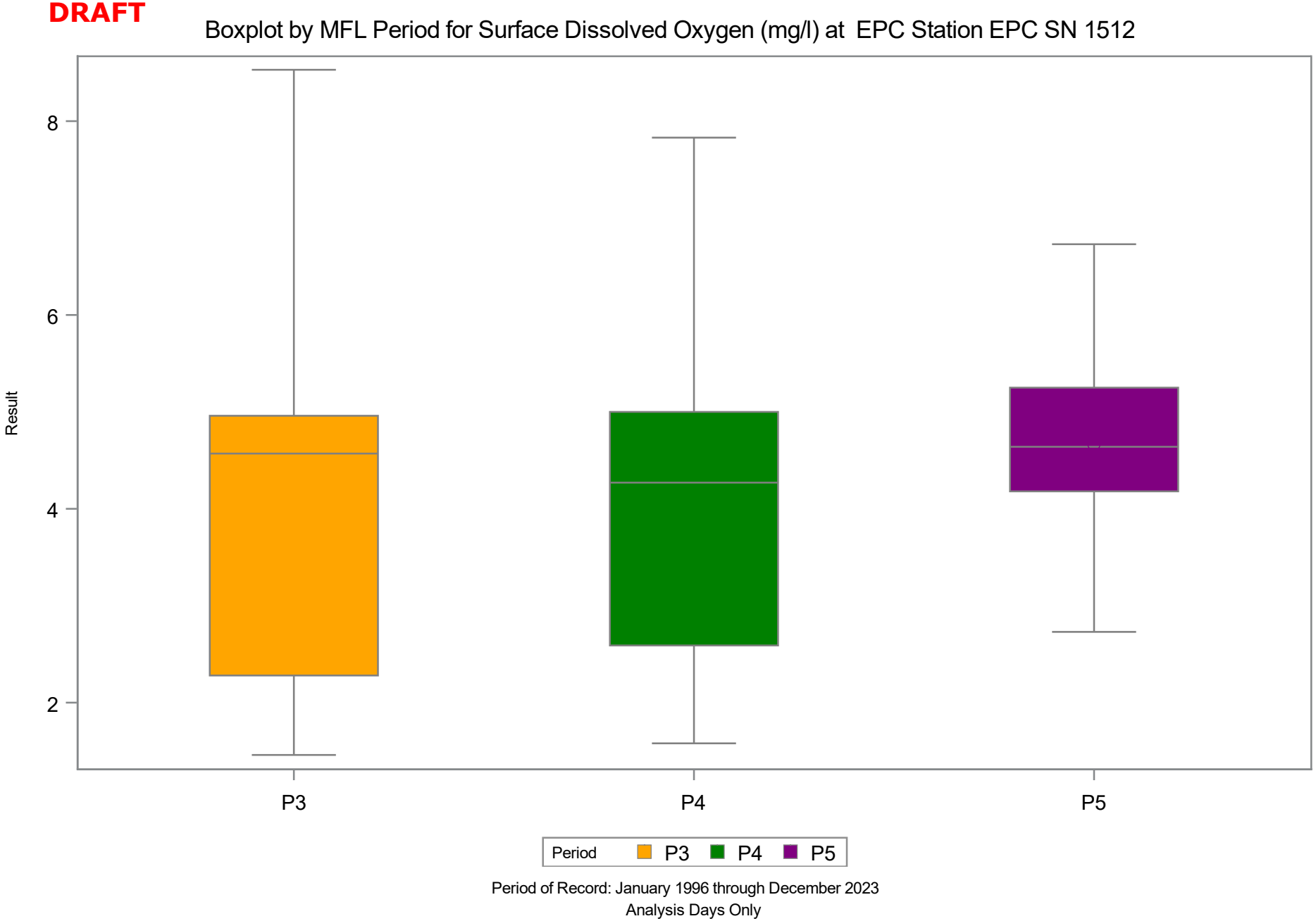
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512**

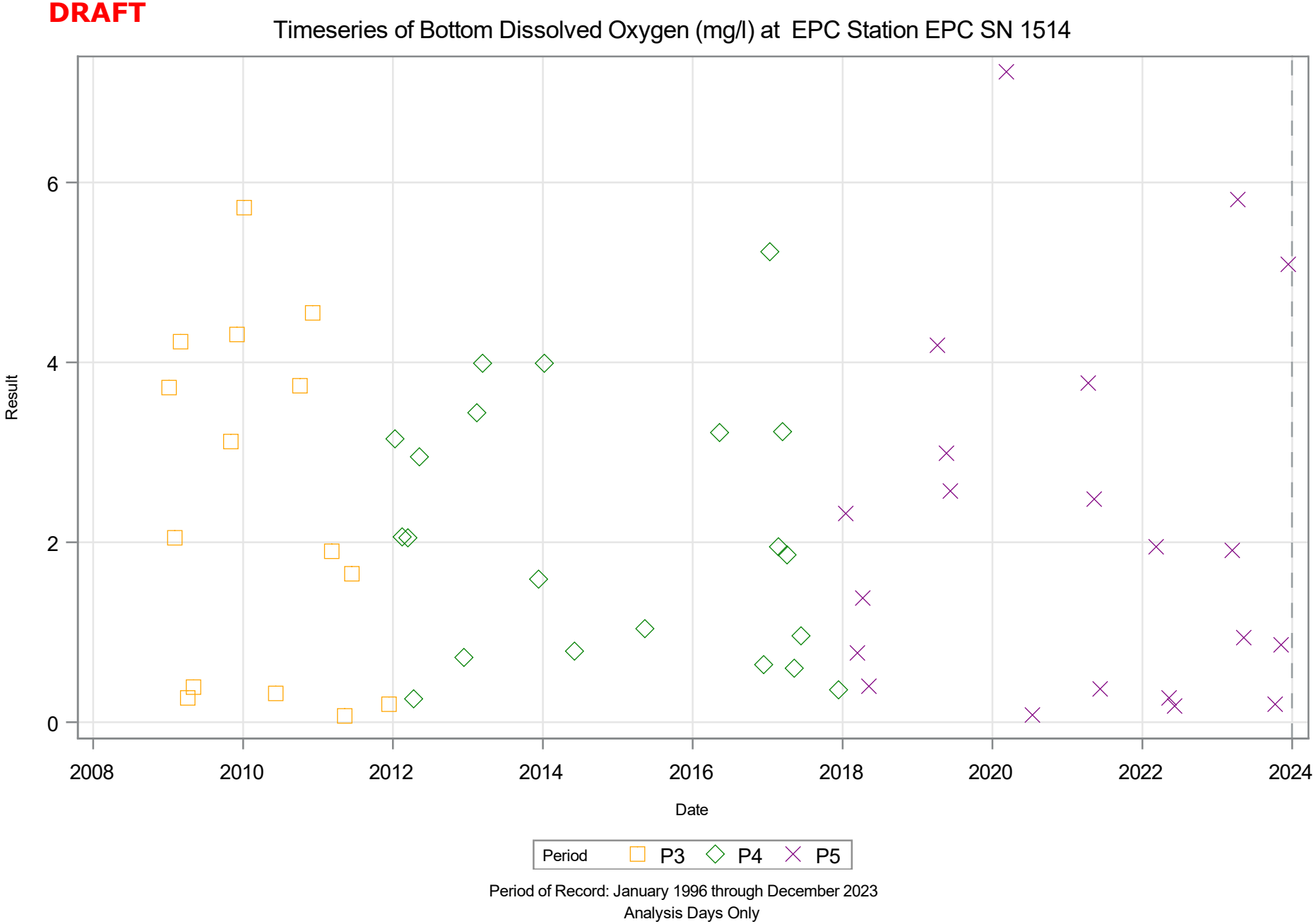
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	1.46	2.28	4.05	4.57	4.96	8.53
P4	21	1.58	2.59	4.09	4.27	5.00	7.83
P5	21	2.73	4.18	4.67	4.64	5.25	6.73

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

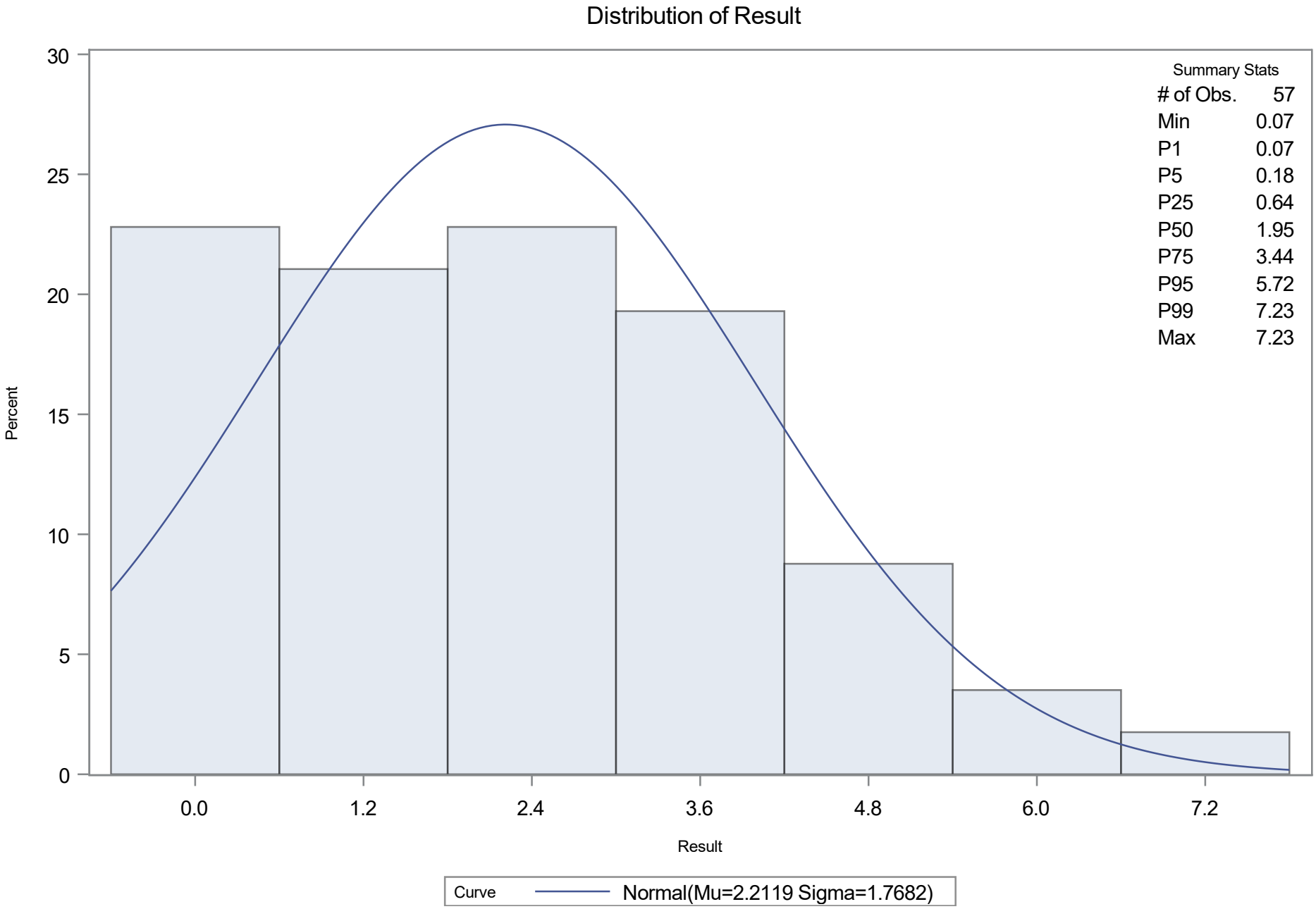

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1512
Result
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514
Result
0
2
4
6
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.21193
Std Dev	Sigma	1.768186

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13223132	**Pr > D**	0.014
Cramer-von Mises	**W-Sq**	0.18754128	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.26249242	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07000	-1.90148
5.0	0.18000	-0.69648
10.0	0.26000	-0.05409
25.0	0.64000	1.01931
50.0	1.95000	2.21193
75.0	3.44000	3.40455
90.0	4.55000	4.47795
95.0	5.72000	5.12034
99.0	7.23000	6.32534

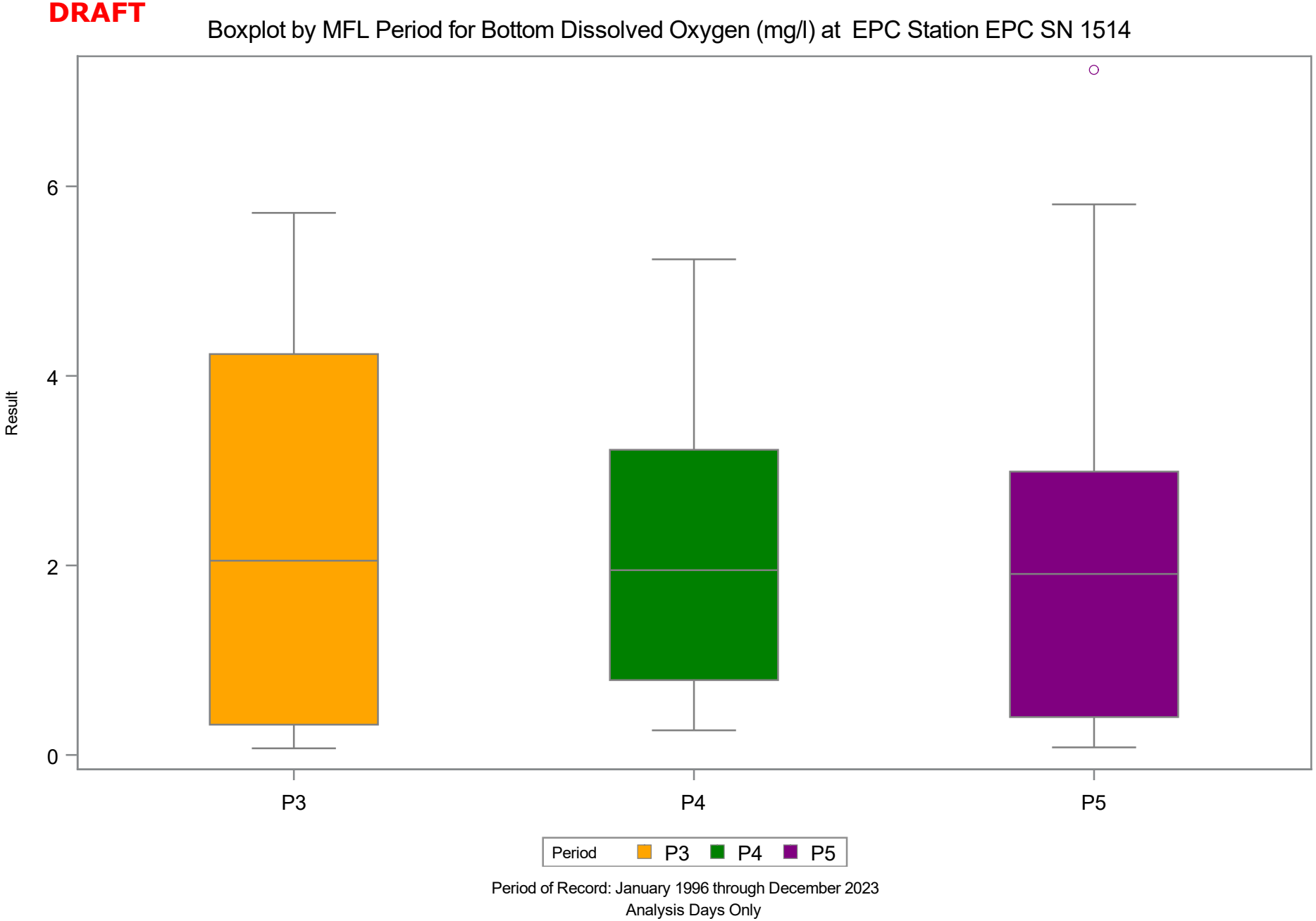
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.07	0.32	2.42	2.05	4.23	5.72
P4	21	0.26	0.79	2.10	1.95	3.22	5.23
P5	21	0.08	0.40	2.18	1.91	2.99	7.23

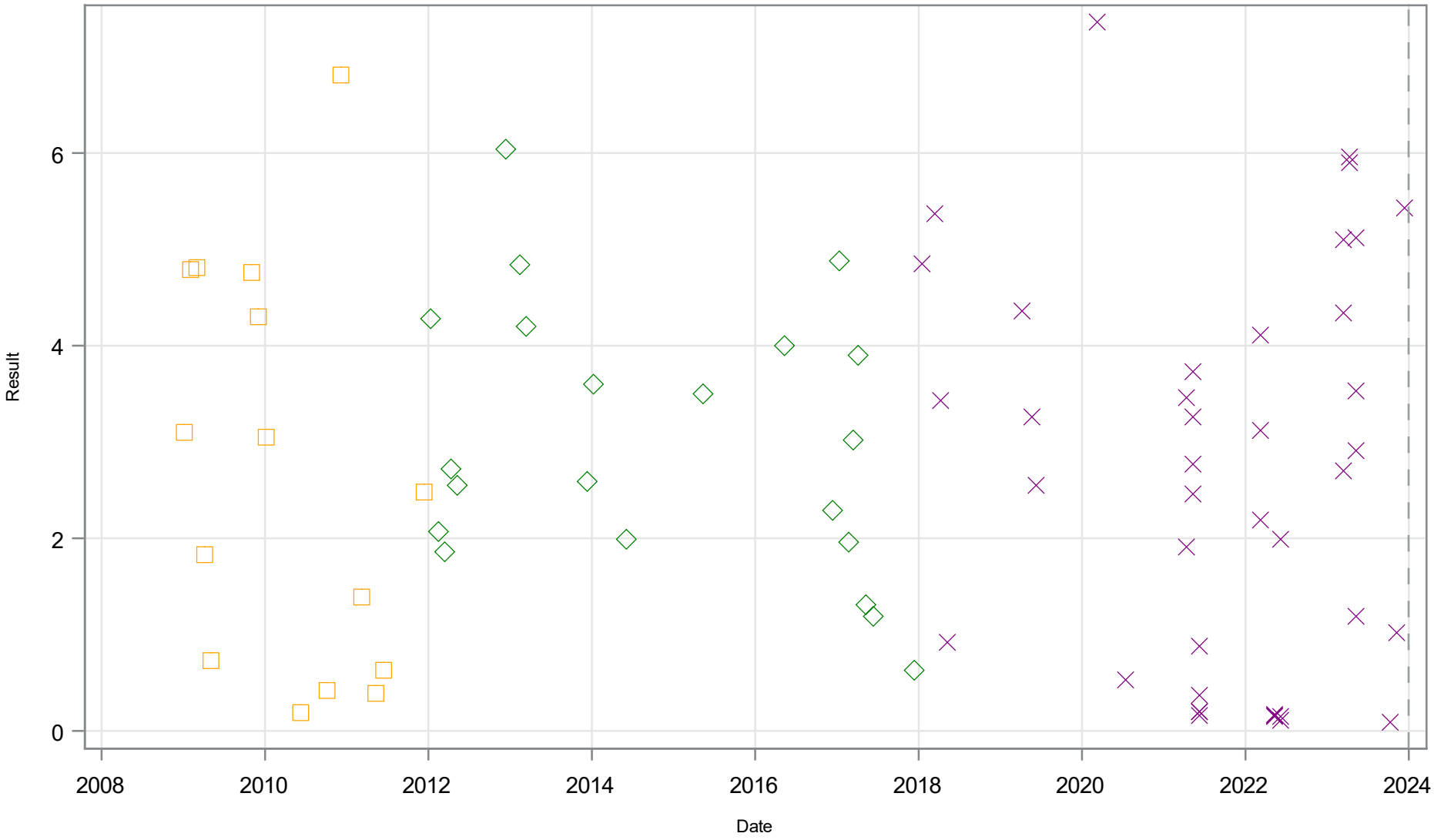
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514
Result
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

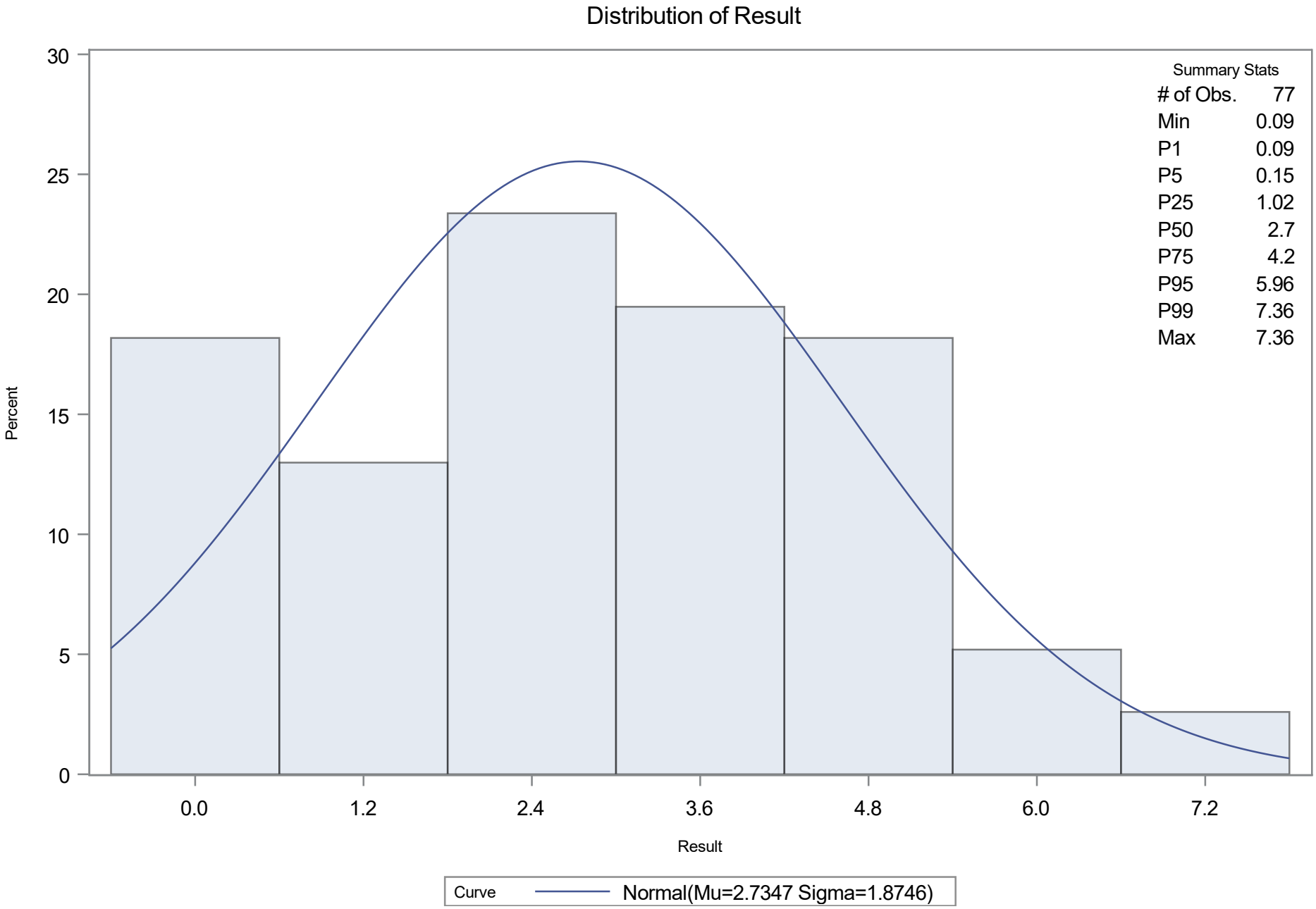
Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.734675
Std Dev	Sigma	1.874578

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08074797	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09135920	**Pr > W-Sq**	0.146
Anderson-Darling	**A-Sq**	0.79834510	**Pr > A-Sq**	0.039

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09000	-1.62625
5.0	0.15000	-0.34873
10.0	0.19000	0.33231
25.0	1.02000	1.47029
50.0	2.70000	2.73468
75.0	4.20000	3.99906
90.0	5.12000	5.13704
95.0	5.96000	5.81808
99.0	7.36000	7.09560

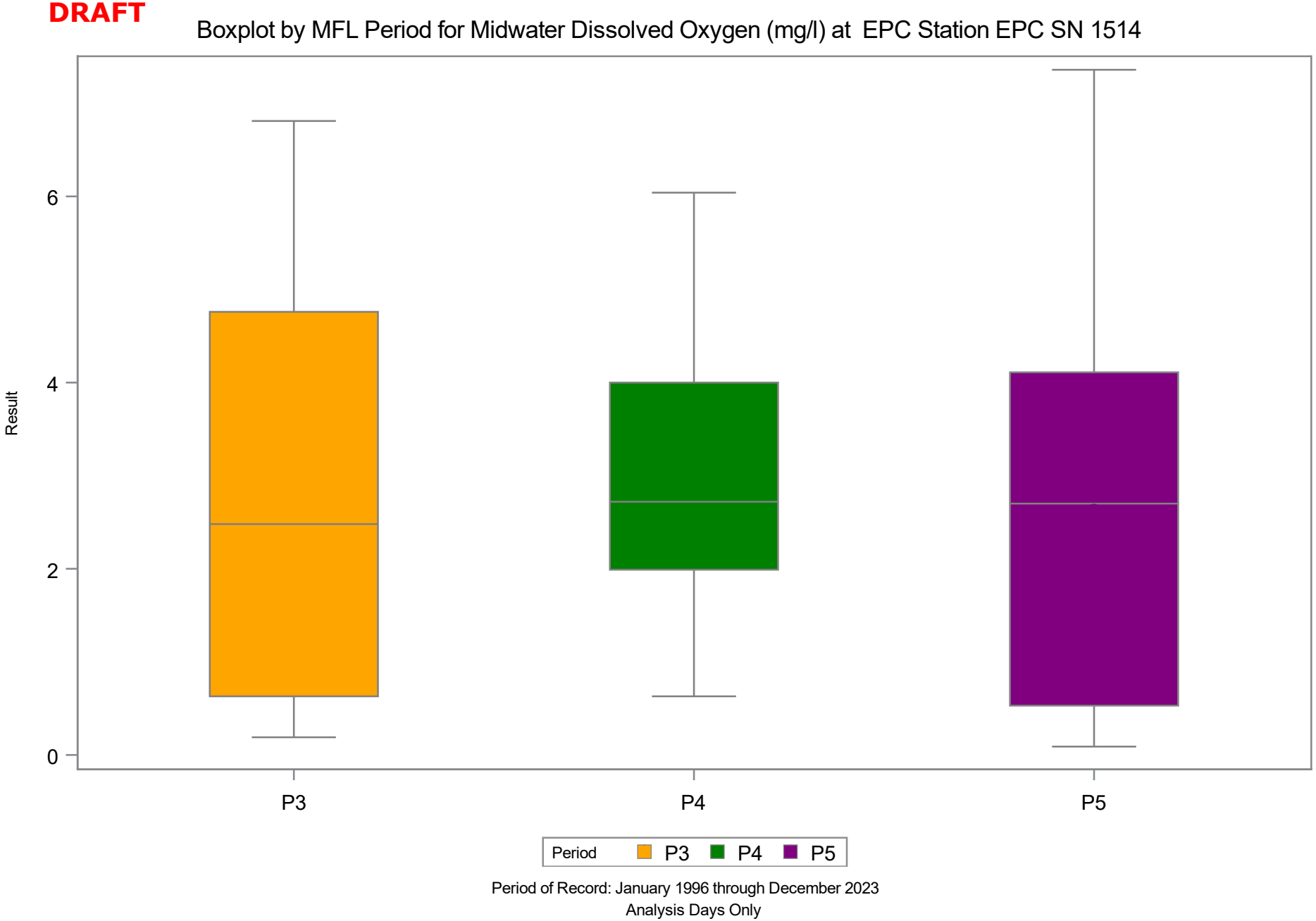
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514**

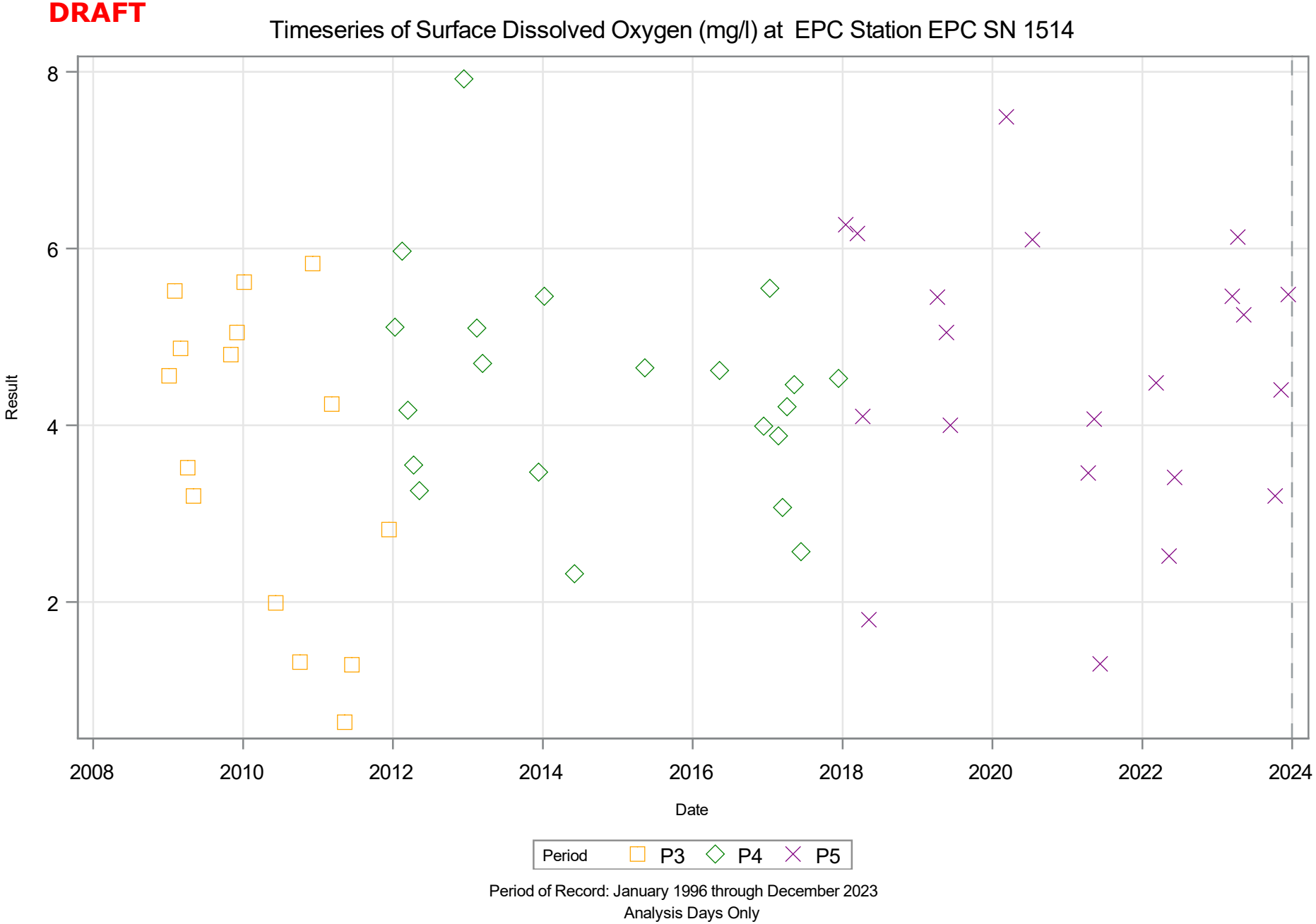
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.19	0.63	2.65	2.48	4.76	6.81
P4	21	0.63	1.99	3.02	2.72	4.00	6.04
P5	41	0.09	0.53	2.62	2.70	4.11	7.36

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514
Result
0
2
4
6
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

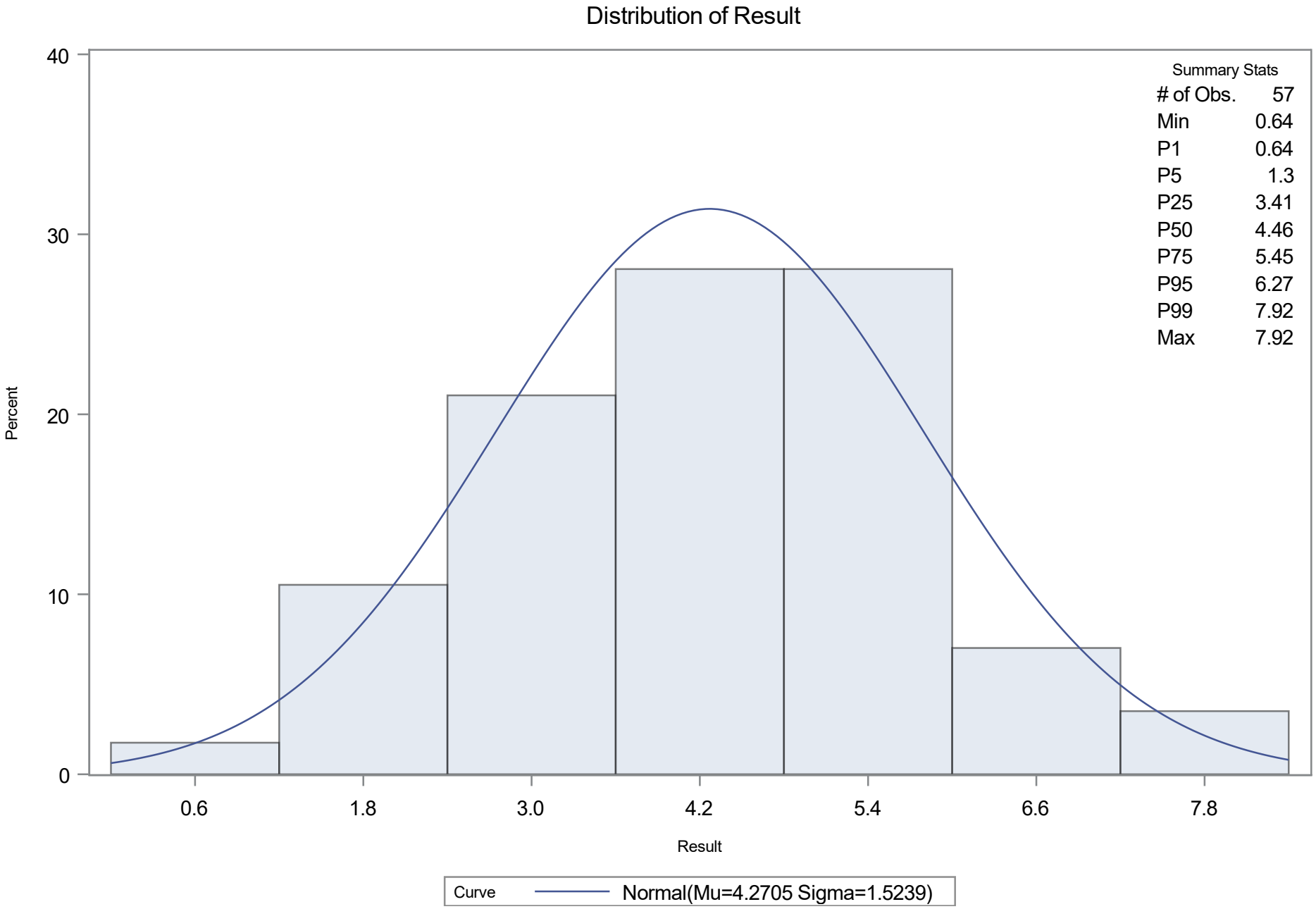
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.270526
Std Dev	Sigma	1.523911

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07609693	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05221017	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36537082	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.64000	0.72538
5.0	1.30000	1.76392
10.0	1.99000	2.31756
25.0	3.41000	3.24266
50.0	4.46000	4.27053
75.0	5.45000	5.29839
90.0	6.10000	6.22350
95.0	6.27000	6.77714
99.0	7.92000	7.81567

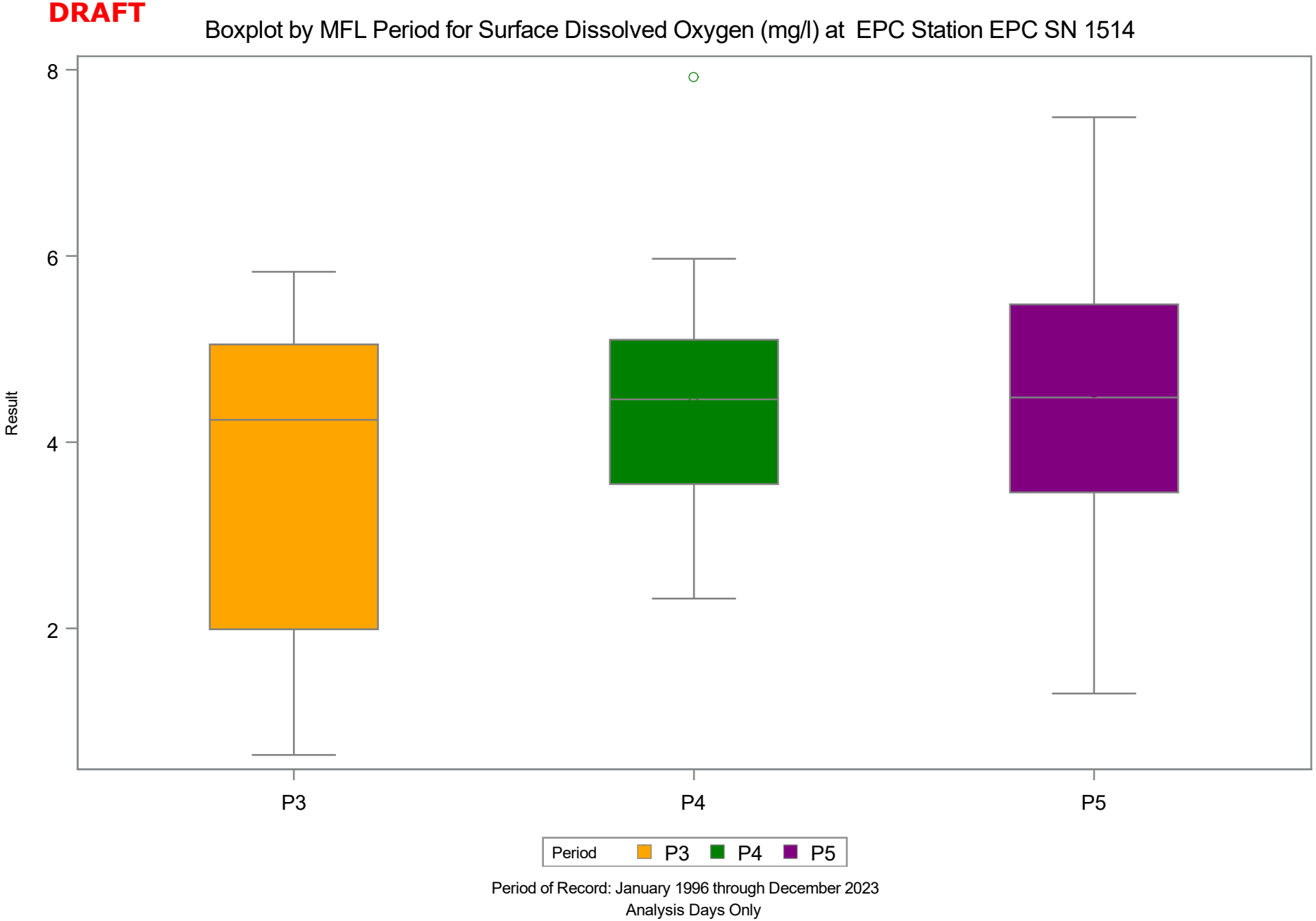
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514**

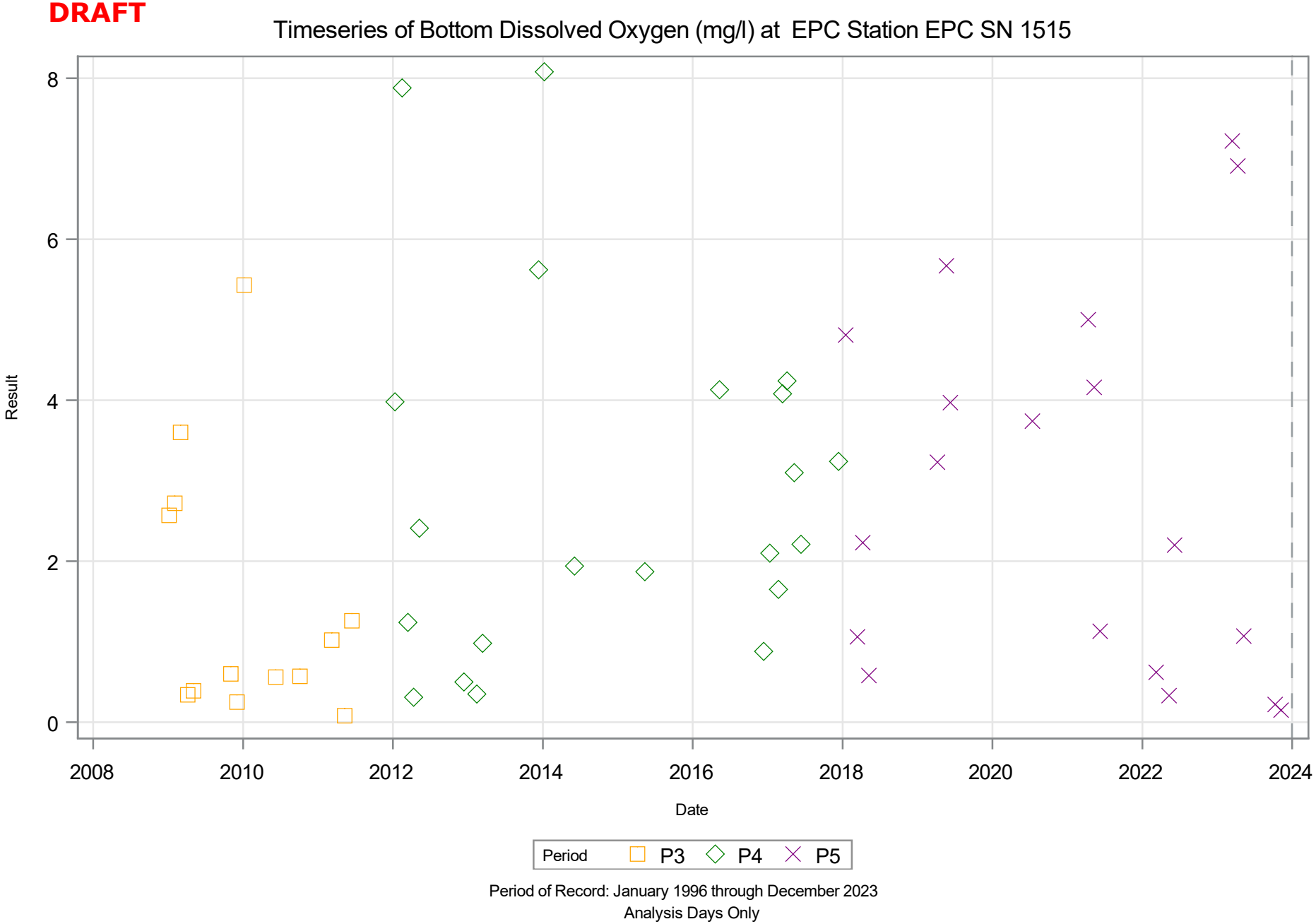
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.64	1.99	3.68	4.24	5.05	5.83
P4	21	2.32	3.55	4.41	4.46	5.10	7.92
P5	21	1.30	3.46	4.55	4.48	5.48	7.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

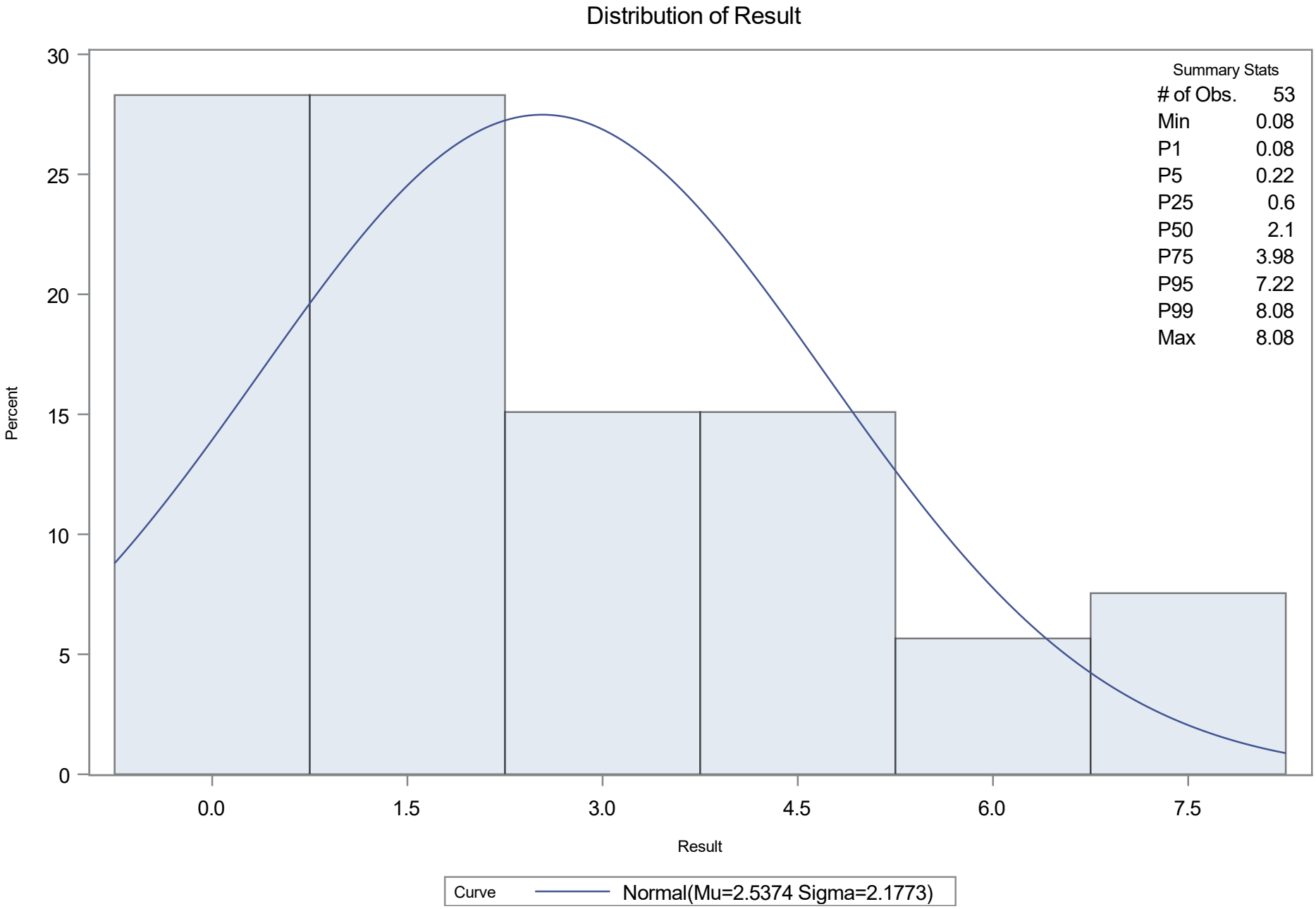

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1514
Result
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515
Result
0
2
4
6
8
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.537358
Std Dev	Sigma	2.177309

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15524908	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26013573	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.69945866	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.08000	-2.52782
5.0	0.22000	-1.04400
10.0	0.33000	-0.25298
25.0	0.60000	1.06879
50.0	2.10000	2.53736
75.0	3.98000	4.00593
90.0	5.62000	5.32769
95.0	7.22000	6.11871
99.0	8.08000	7.60254

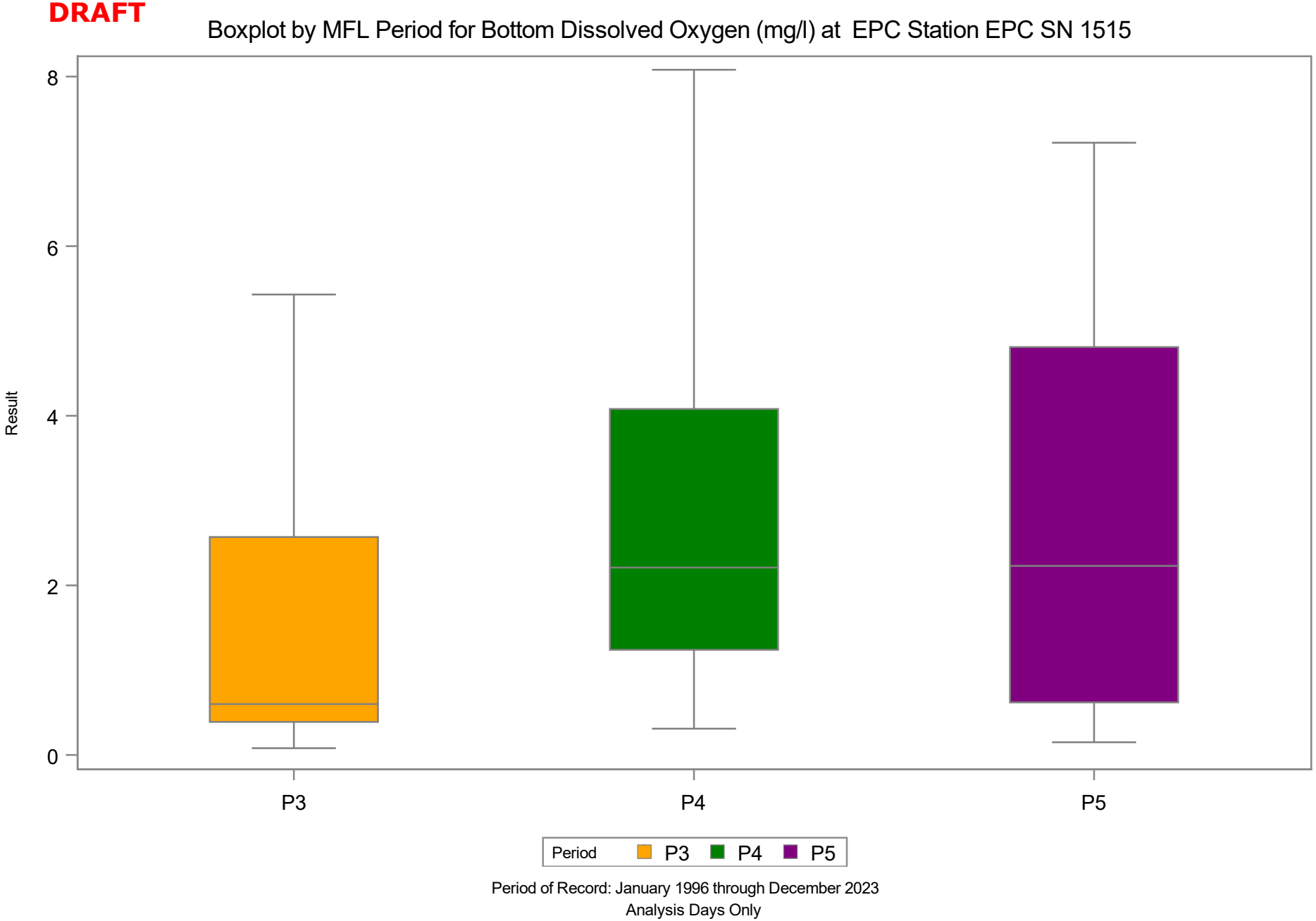
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515**

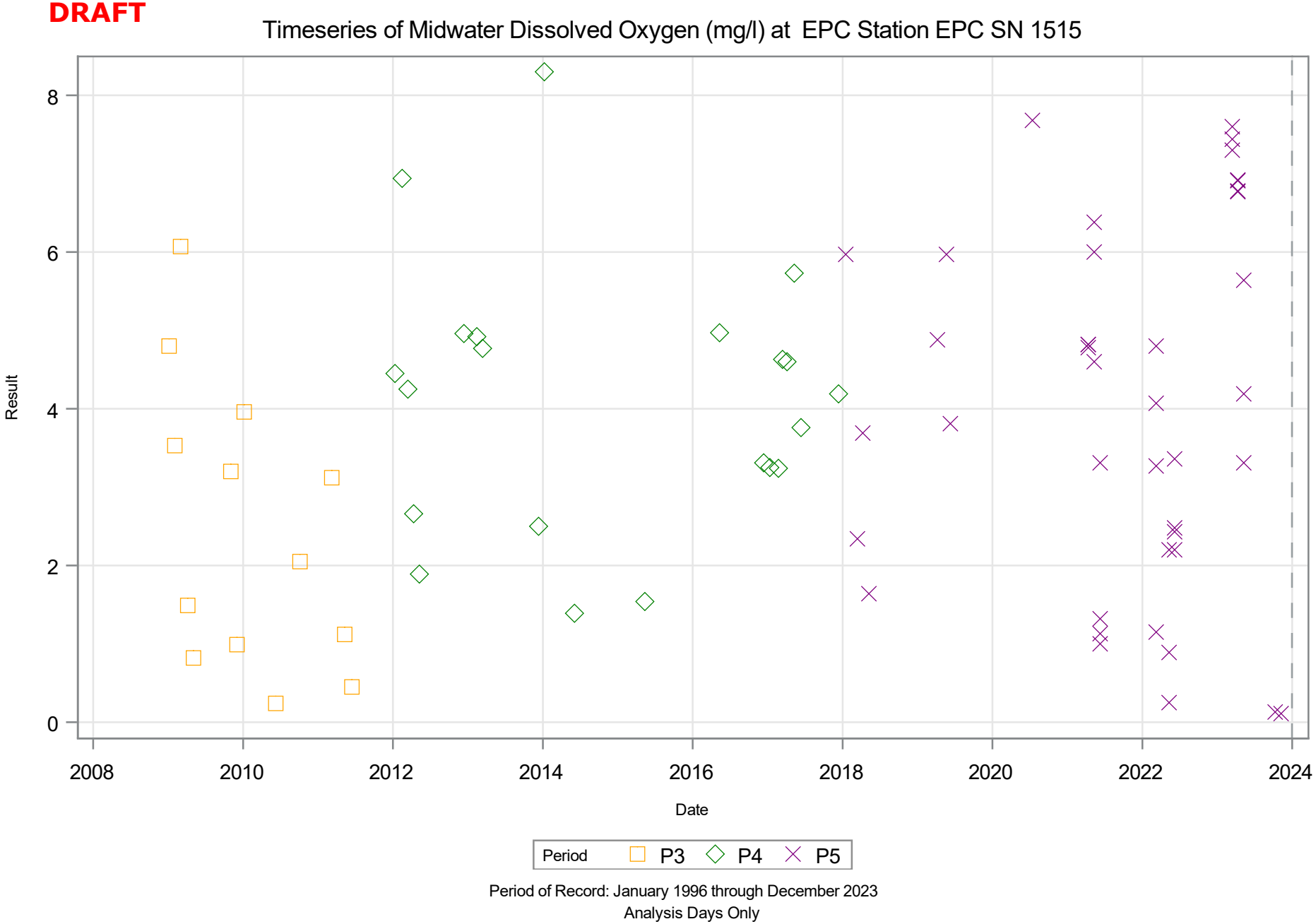
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.08	0.39	1.49	0.60	2.57	5.43
P4	21	0.31	1.24	2.89	2.21	4.08	8.08
P5	19	0.15	0.62	2.86	2.23	4.81	7.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

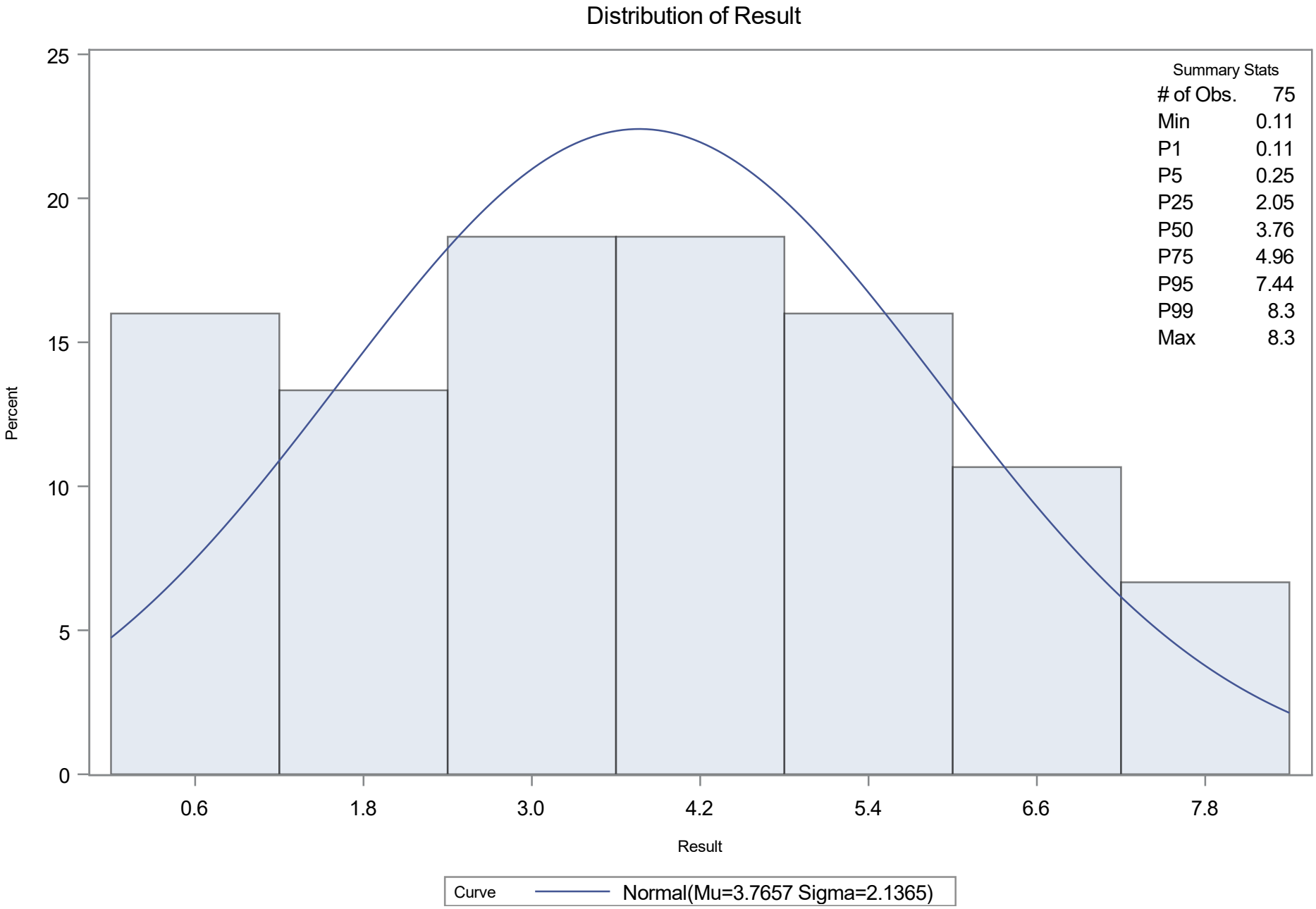
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.765733
Std Dev	Sigma	2.136478

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06679144	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06441095	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.49911503	**Pr > A-Sq**	0.212

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	-1.20446
5.0	0.25000	0.25154
10.0	0.99000	1.02773
25.0	2.05000	2.32470
50.0	3.76000	3.76573
75.0	4.96000	5.20677
90.0	6.91000	6.50374
95.0	7.44000	7.27993
99.0	8.30000	8.73592

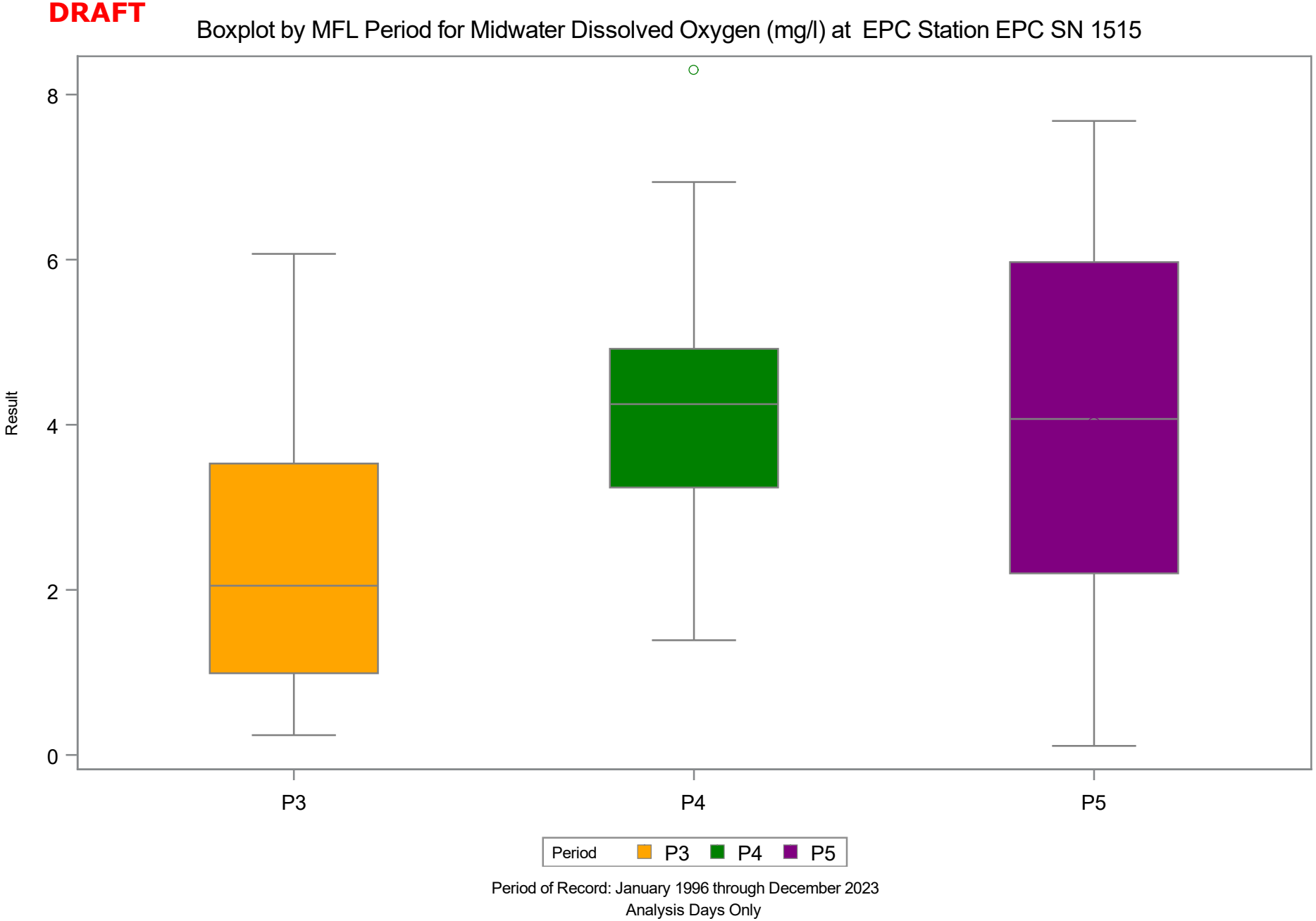
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515**

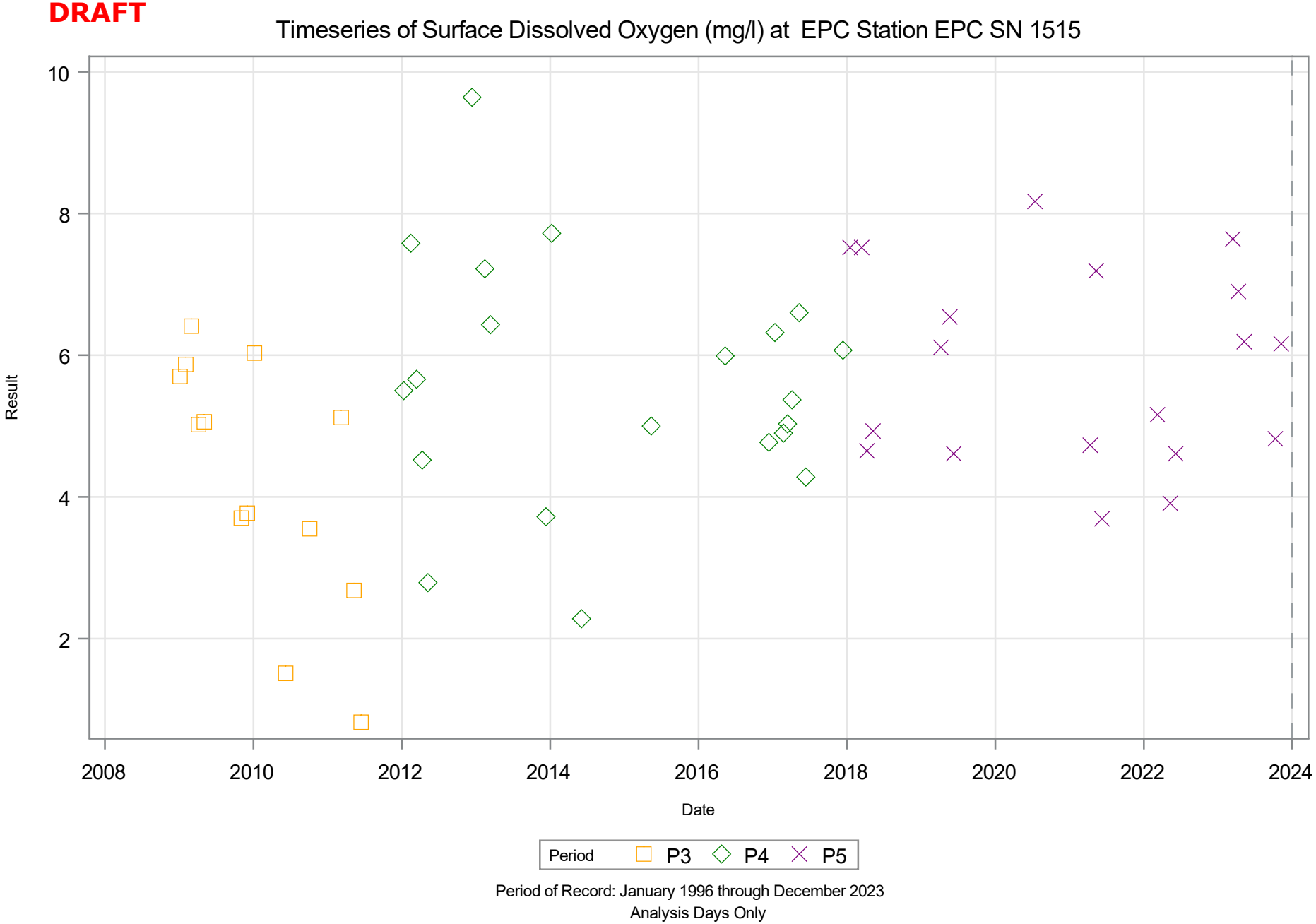
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.24	0.99	2.45	2.05	3.53	6.07
P4	21	1.39	3.24	4.11	4.25	4.92	8.30
P5	41	0.11	2.20	4.01	4.07	5.97	7.68

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

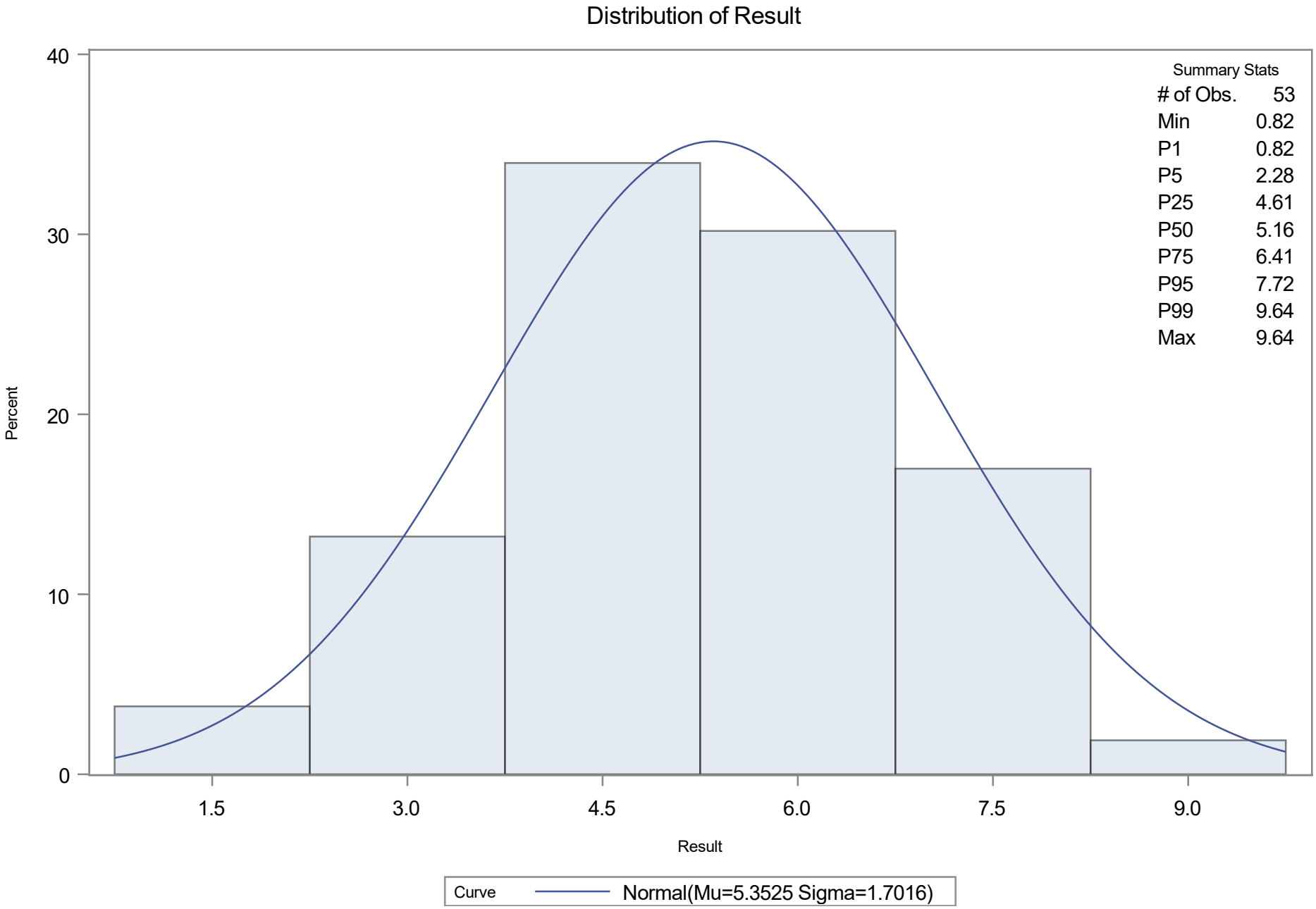

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515
Result
10
8
6
4
2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.352453
Std Dev	Sigma	1.701636

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08602033	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04520583	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29896098	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.82000	1.39386
5.0	2.28000	2.55351
10.0	3.55000	3.17172
25.0	4.61000	4.20472
50.0	5.16000	5.35245
75.0	6.41000	6.50019
90.0	7.52000	7.53319
95.0	7.72000	8.15139
99.0	9.64000	9.31105

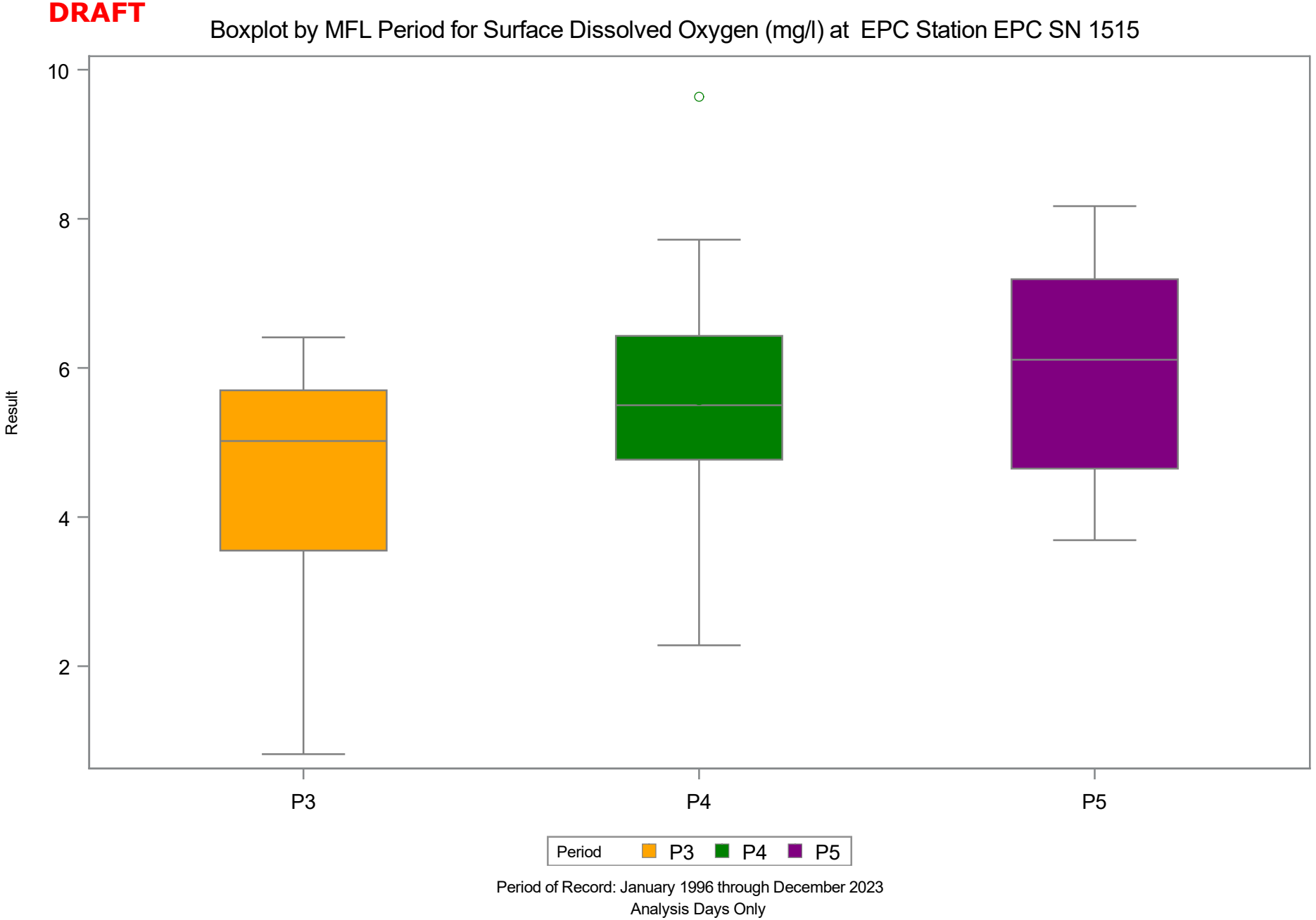
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515**

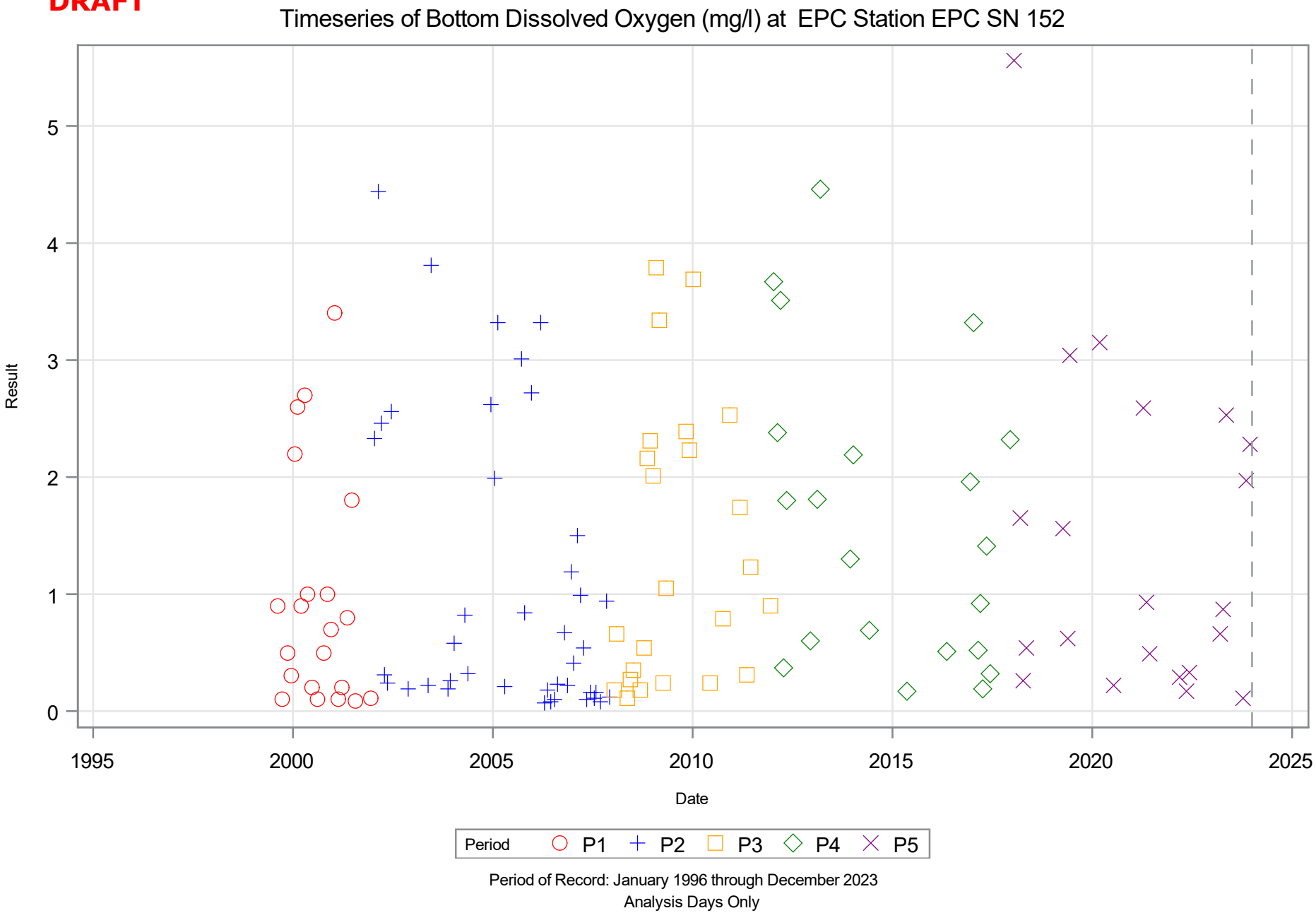
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.82	3.55	4.25	5.02	5.70	6.41
P4	21	2.28	4.77	5.59	5.50	6.43	9.64
P5	19	3.69	4.65	5.84	6.11	7.19	8.17

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

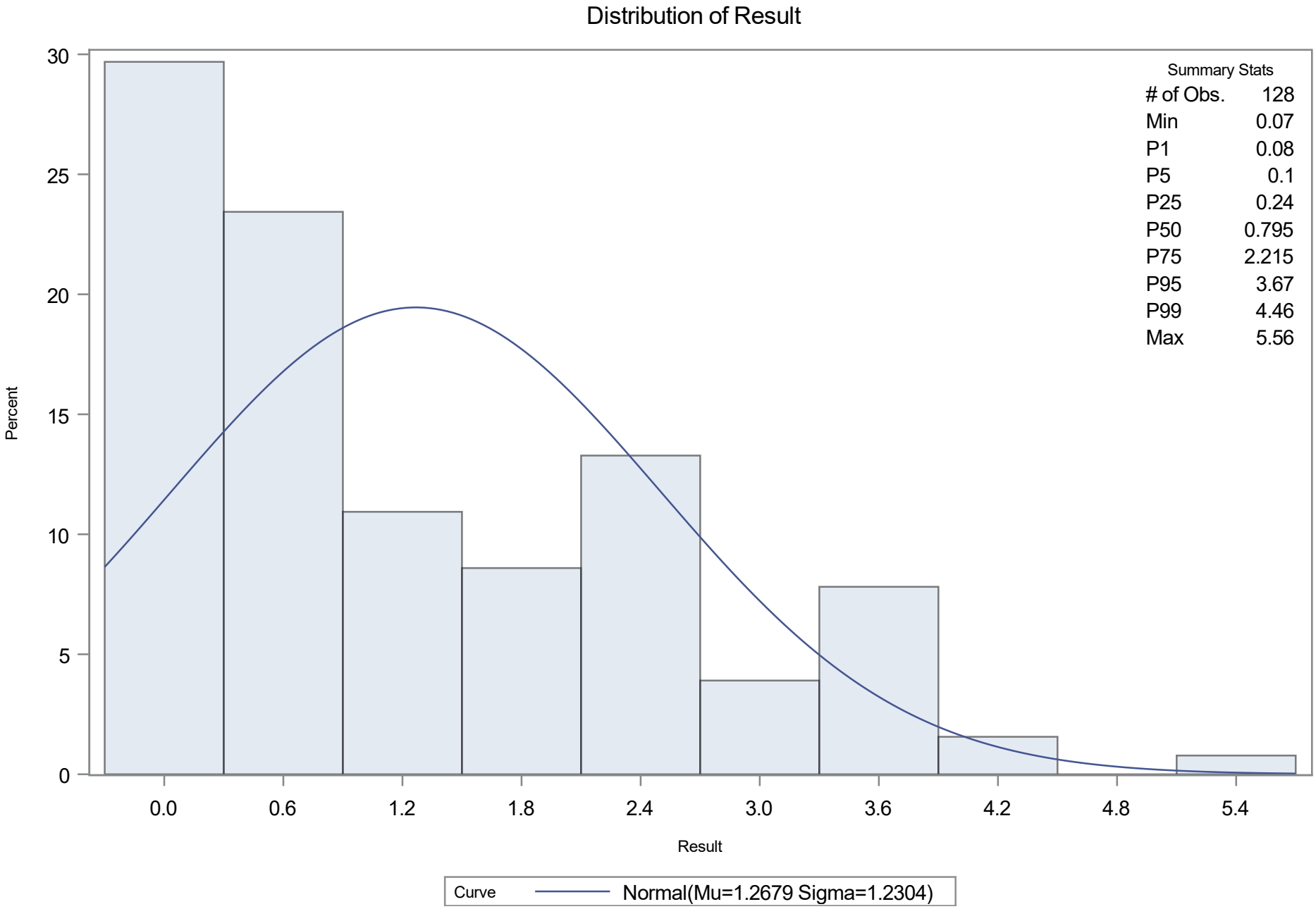

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 1515
Result
10
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 152
Result
0
1
2
3
4
5
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.267891
Std Dev	Sigma	1.230428

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18773942	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.18776693	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.69104330	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.08000	-1.59451
5.0	0.10000	-0.75598
10.0	0.11000	-0.30897
25.0	0.24000	0.43798
50.0	0.79500	1.26789
75.0	2.21500	2.09780
90.0	3.32000	2.84475
95.0	3.67000	3.29177
99.0	4.46000	4.13029

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

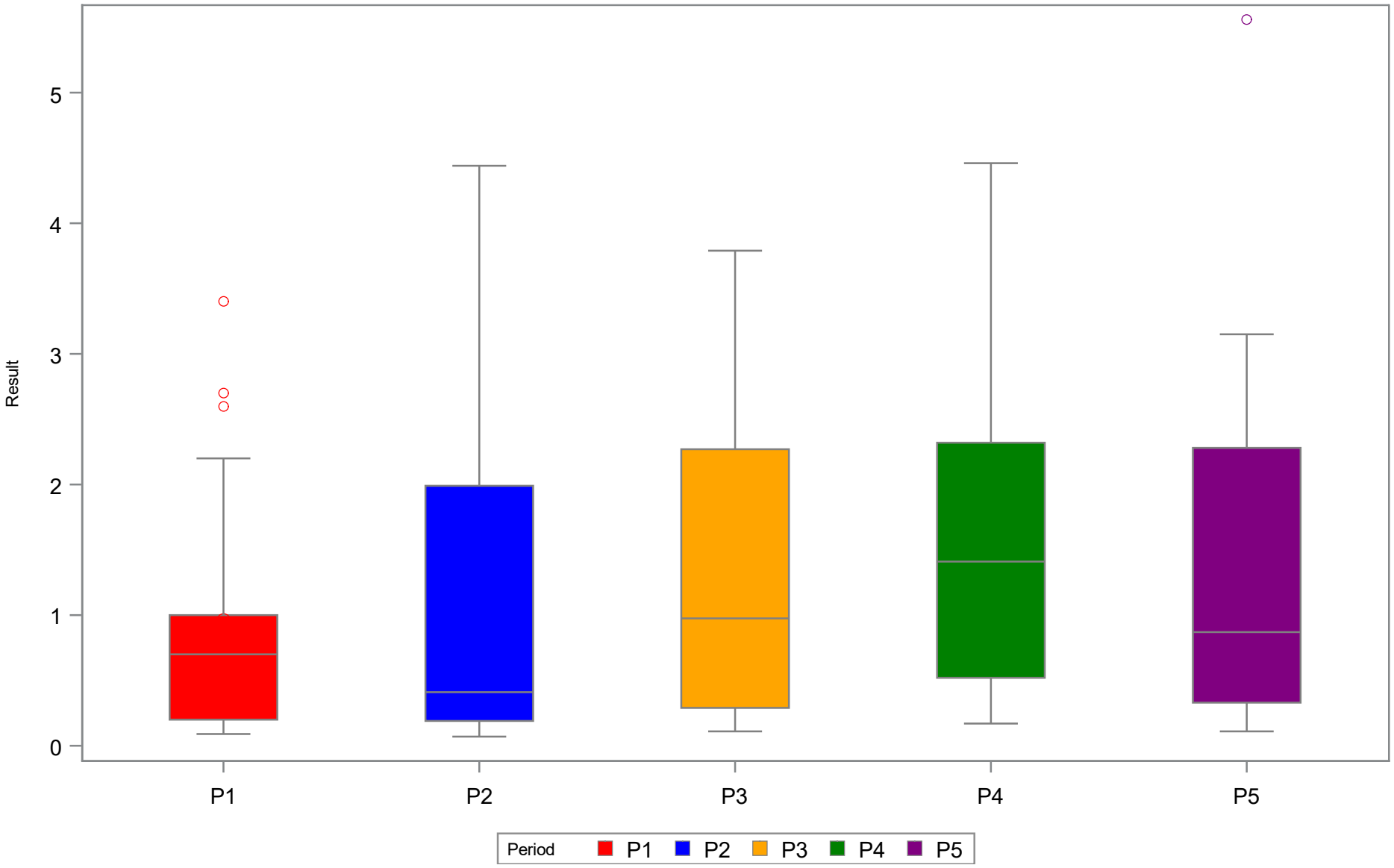
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 152

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	21	0.09	0.20	0.96	0.70	1.00	3.40
P2	41	0.07	0.19	1.09	0.41	1.99	4.44
P3	24	0.11	0.29	1.38	0.98	2.27	3.79
P4	21	0.17	0.52	1.64	1.41	2.32	4.46
P5	21	0.11	0.33	1.42	0.87	2.28	5.56

Period of Record: January 1996 through December 2023
Analysis Days Only

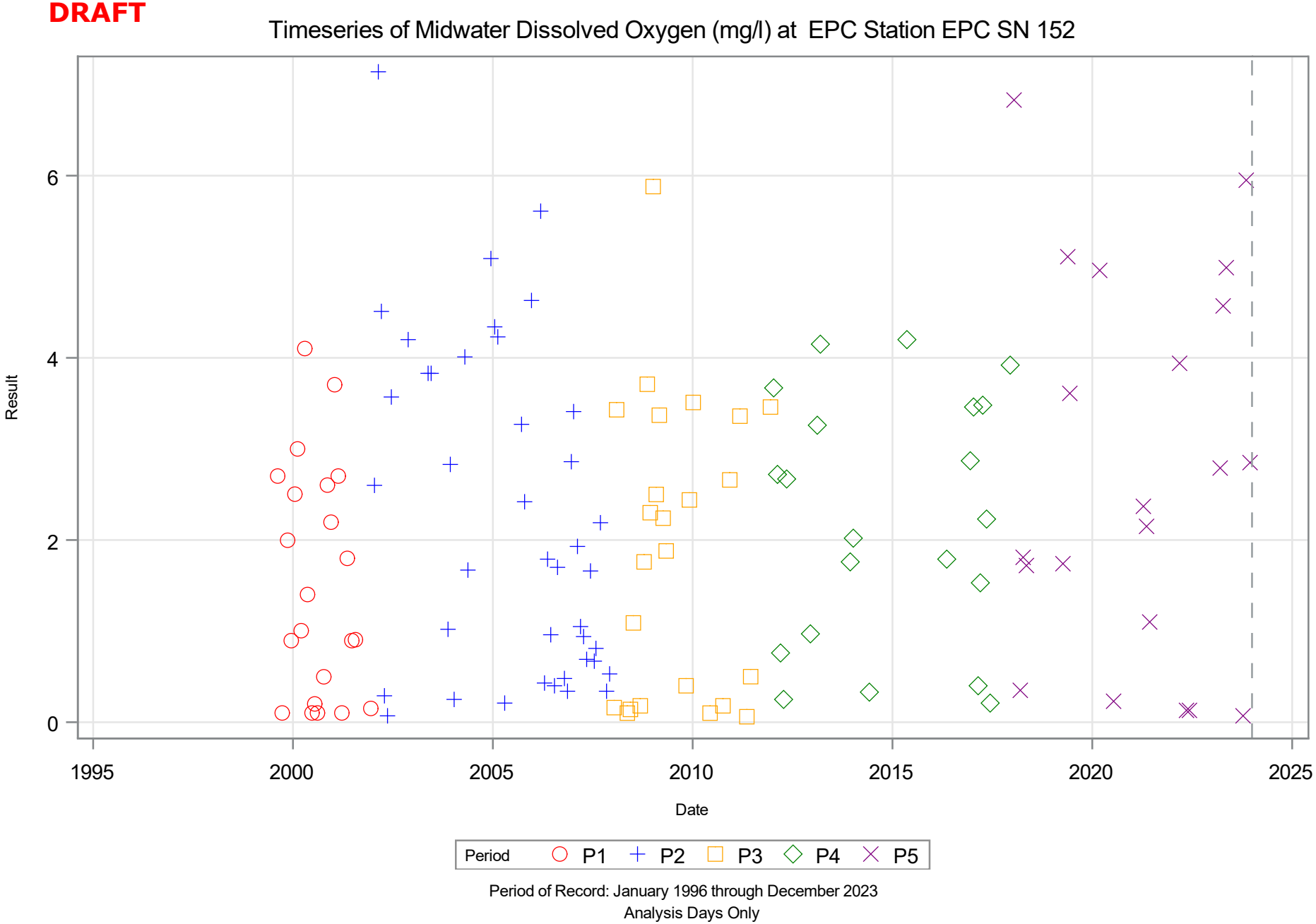
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 152



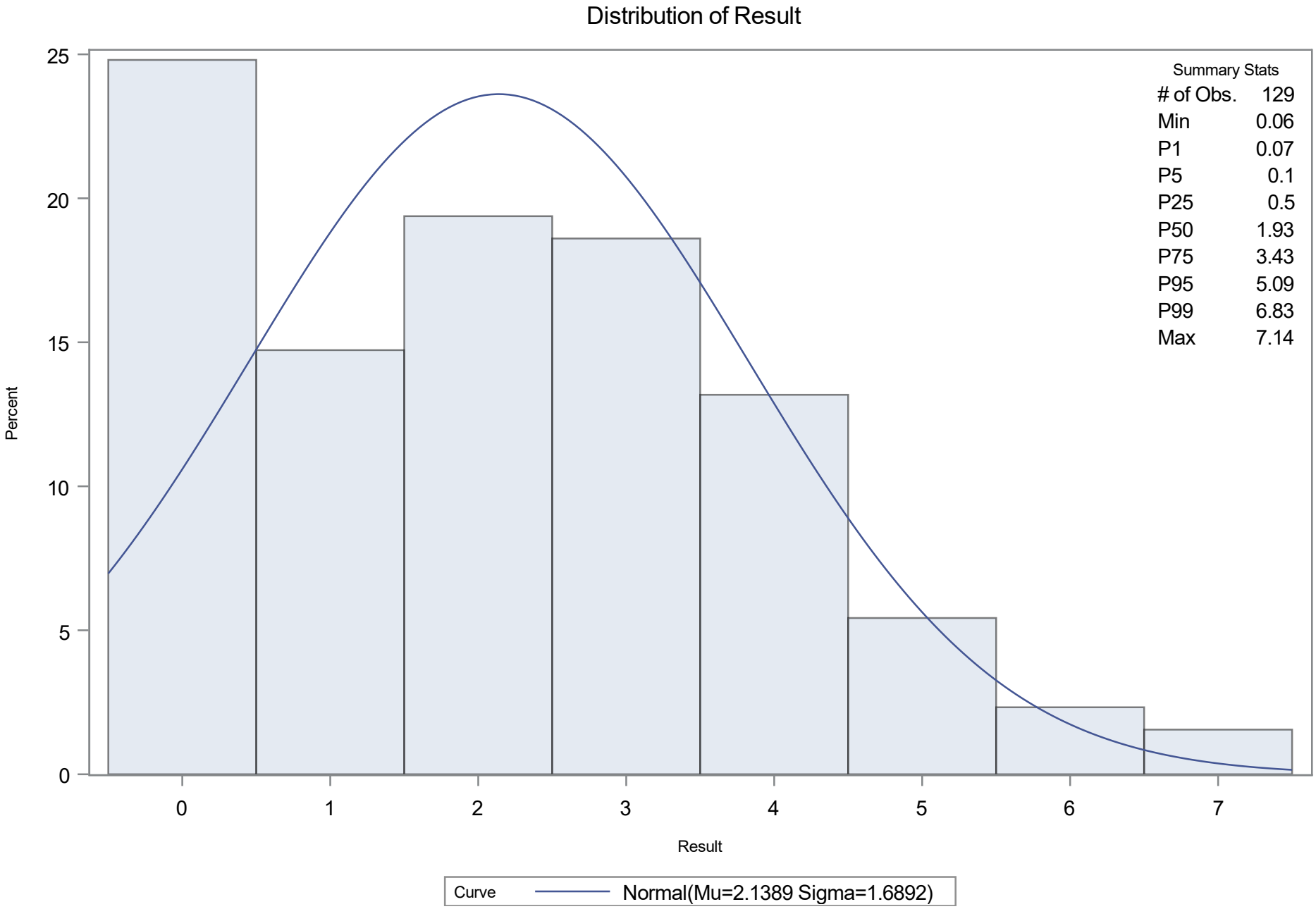
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 152
Result
0
2
4
6
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.138915
Std Dev	Sigma	1.689163

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11833511	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.31559645	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.32579896	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07000	-1.79067
5.0	0.10000	-0.63951
10.0	0.15000	-0.02583
25.0	0.50000	0.99959
50.0	1.93000	2.13891
75.0	3.43000	3.27824
90.0	4.34000	4.30366
95.0	5.09000	4.91734
99.0	6.83000	6.06849

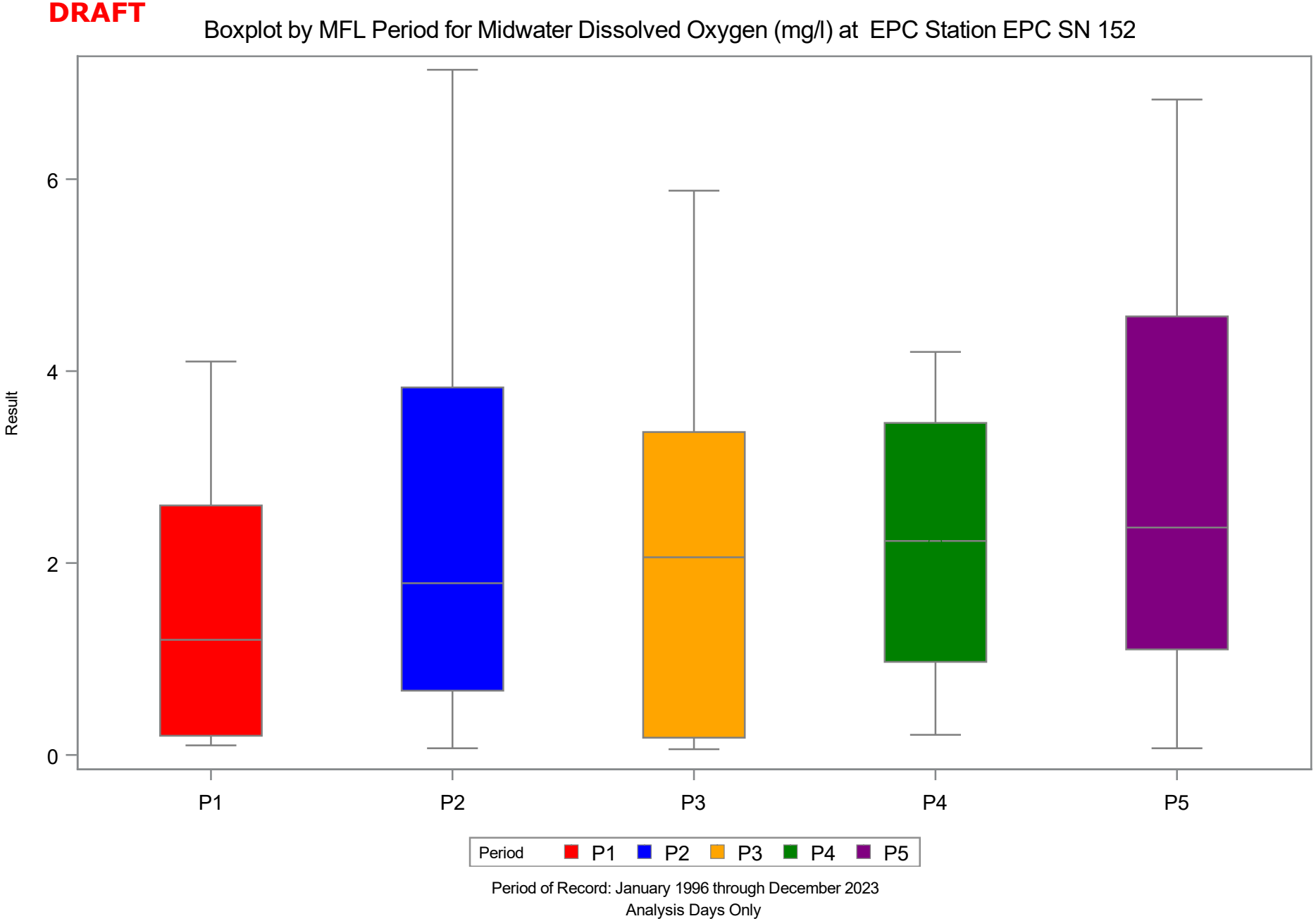
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 152**

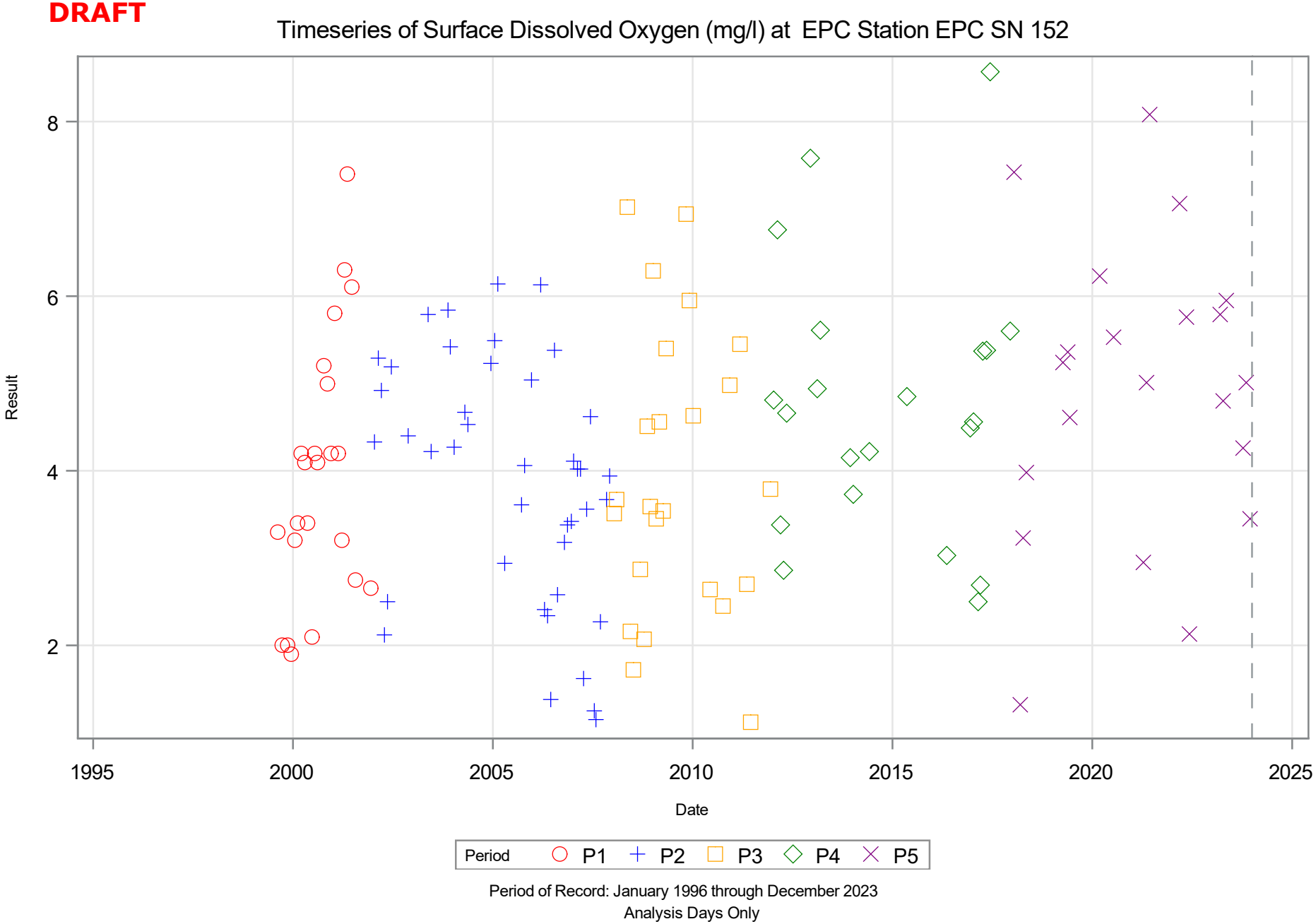
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	22	0.10	0.20	1.53	1.20	2.60	4.10
P2	41	0.07	0.67	2.26	1.79	3.83	7.14
P3	24	0.06	0.18	1.89	2.06	3.37	5.88
P4	21	0.21	0.97	2.22	2.23	3.46	4.20
P5	21	0.07	1.10	2.73	2.37	4.57	6.83

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 152
Result
0
2
4
6
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

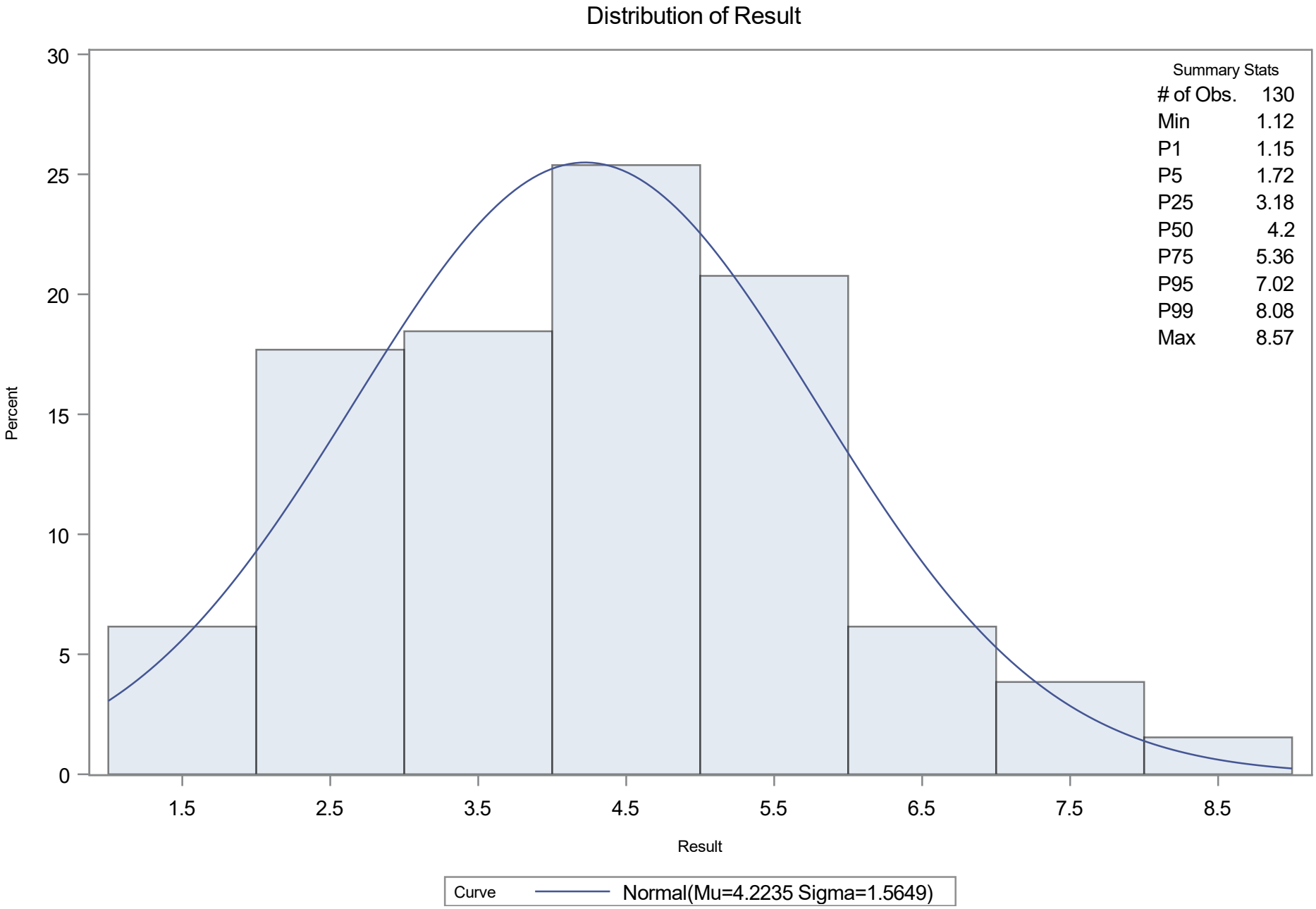
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.223538
Std Dev	Sigma	1.564868

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03486969	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02570088	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21956077	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.15000	0.58311
5.0	1.72000	1.64956
10.0	2.12500	2.21808
25.0	3.18000	3.16805
50.0	4.20000	4.22354
75.0	5.36000	5.27903
90.0	6.13500	6.22900
95.0	7.02000	6.79752
99.0	8.08000	7.86397

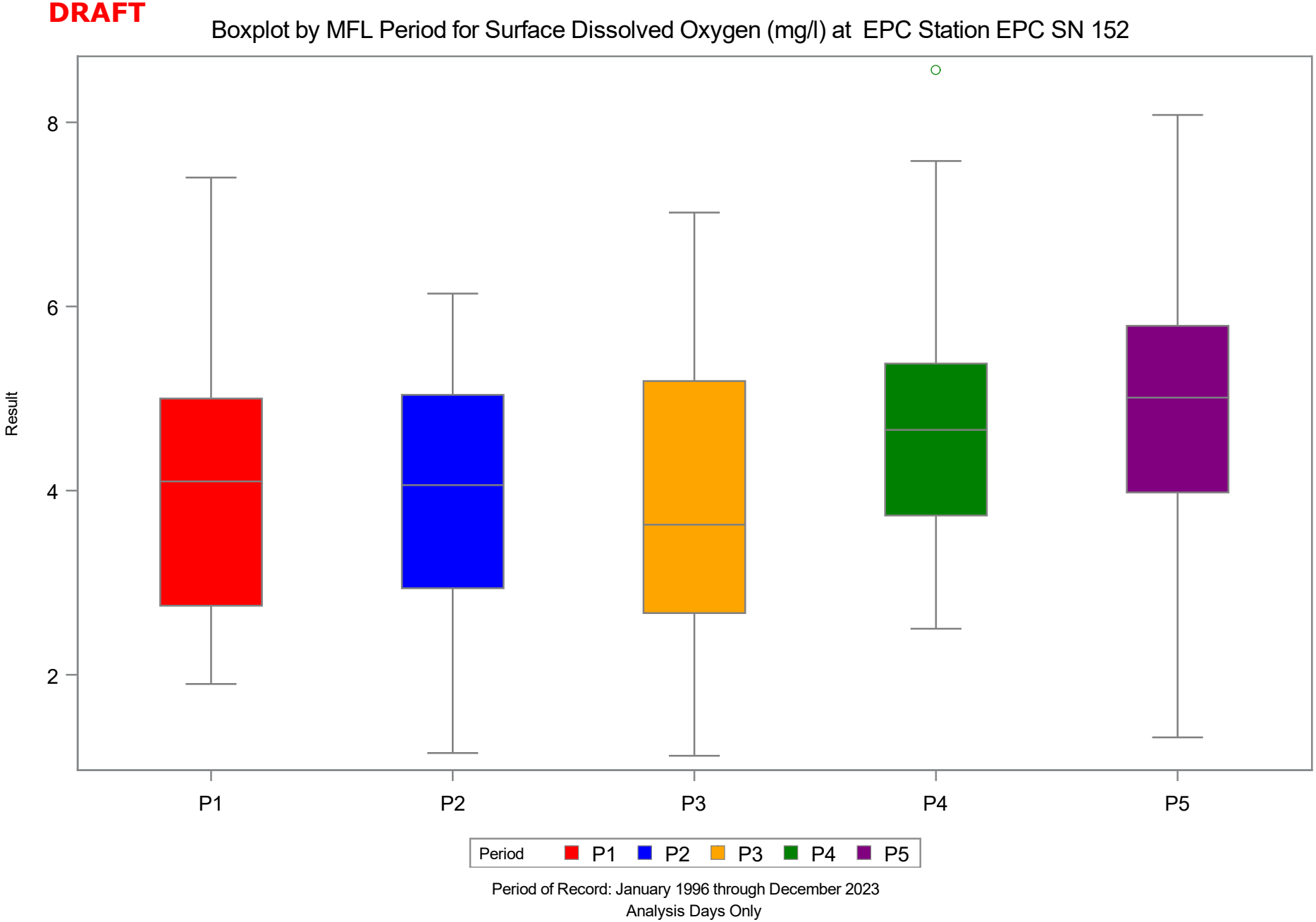
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 152**

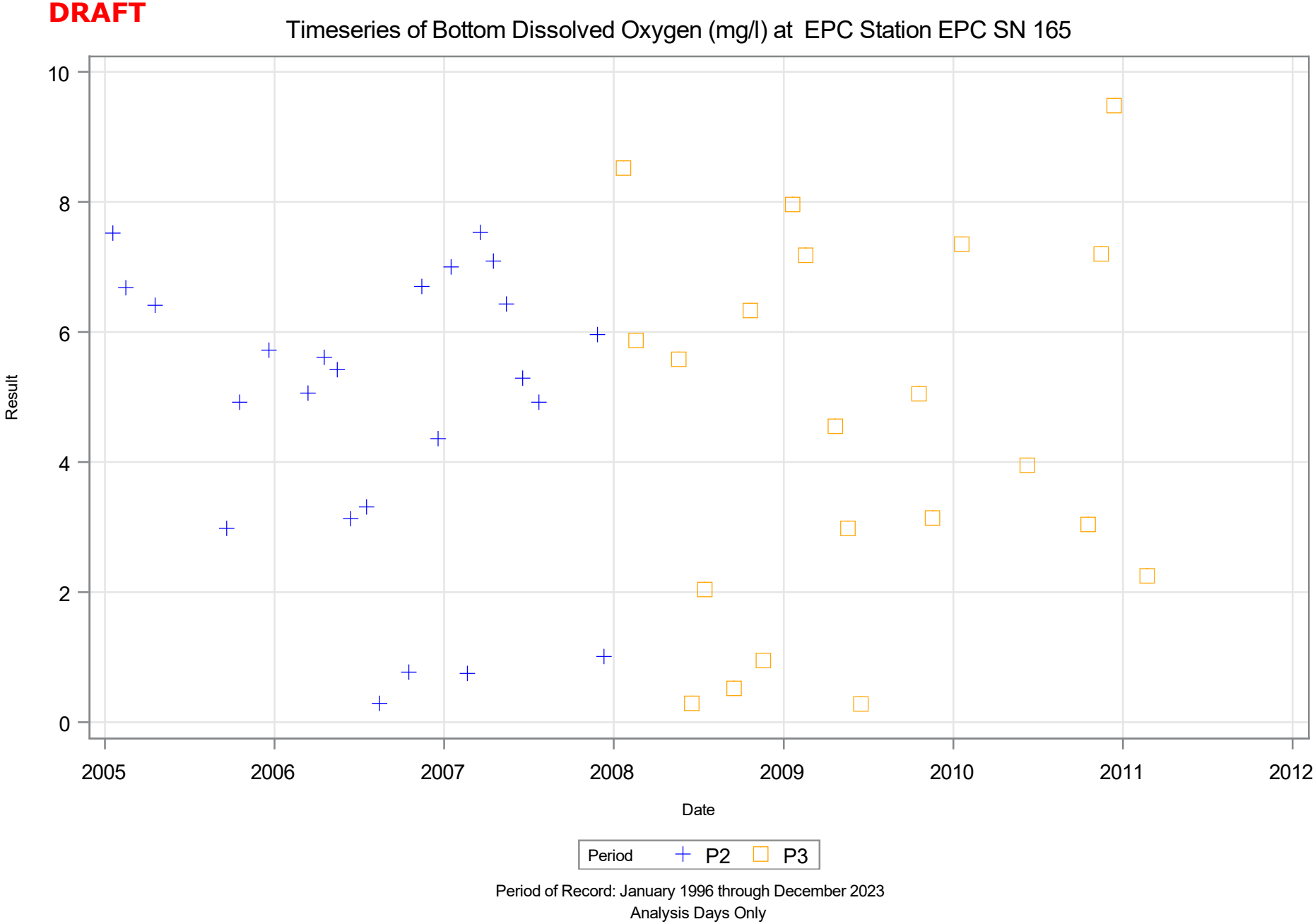
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	23	1.90	2.75	3.94	4.10	5.00	7.40
P2	41	1.15	2.94	3.91	4.06	5.04	6.14
P3	24	1.12	2.67	3.96	3.63	5.19	7.02
P4	21	2.50	3.73	4.75	4.66	5.38	8.57
P5	21	1.32	3.98	4.91	5.01	5.79	8.08

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

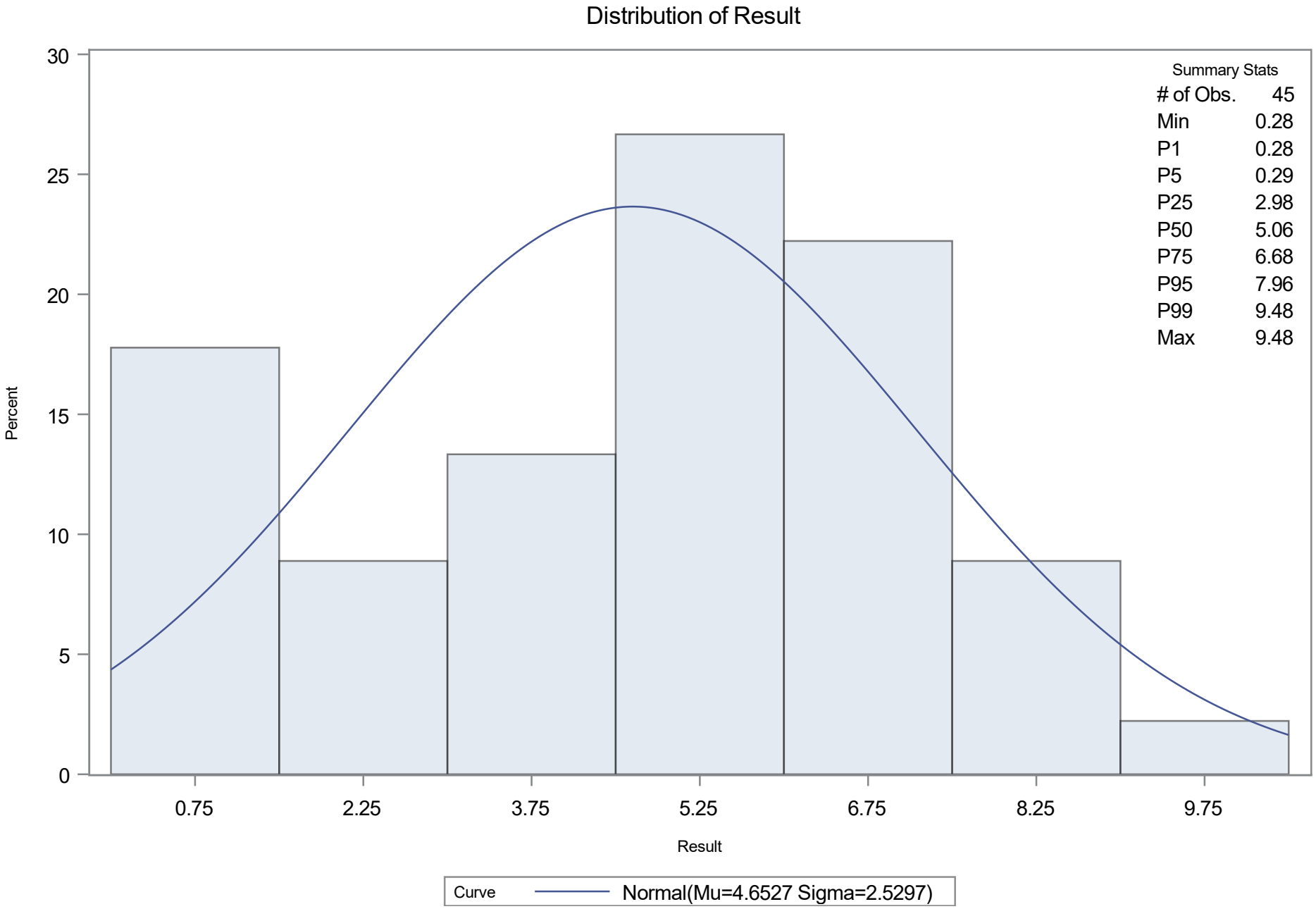

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 152
Result
8
6
4
2
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 165
Result
10
8
6
4
2
0
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.652667
Std Dev	Sigma	2.529713

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11985860	**Pr > D**	0.101
Cramer-von Mises	**W-Sq**	0.12011804	**Pr > W-Sq**	0.060
Anderson-Darling	**A-Sq**	0.79680021	**Pr > A-Sq**	0.038

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.28000	-1.23233
5.0	0.29000	0.49166
10.0	0.75000	1.41071
25.0	2.98000	2.94640
50.0	5.06000	4.65267
75.0	6.68000	6.35893
90.0	7.52000	7.89462
95.0	7.96000	8.81367
99.0	9.48000	10.53766

Period of Record: January 1996 through December 2023
Analysis Days Only

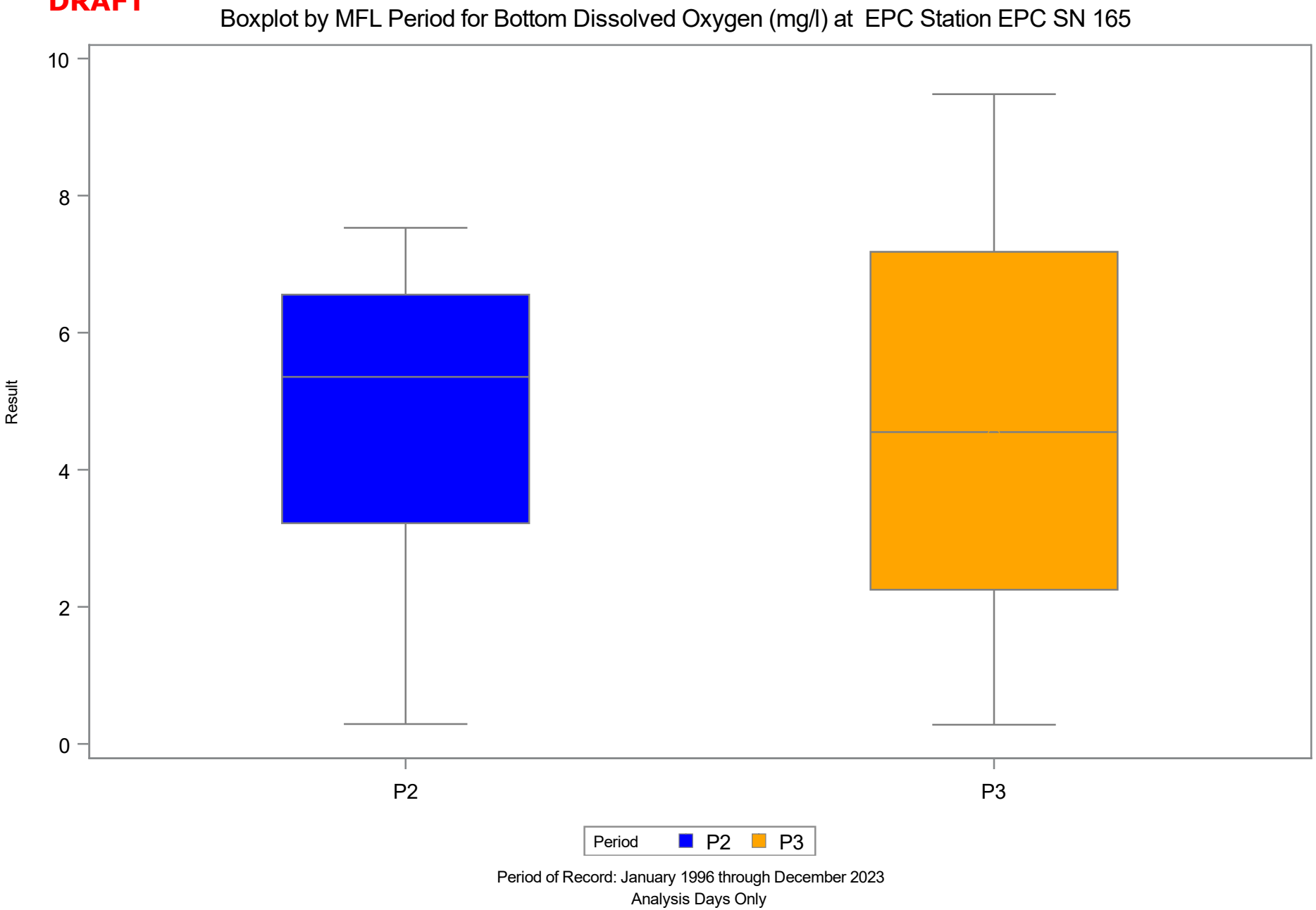
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 165

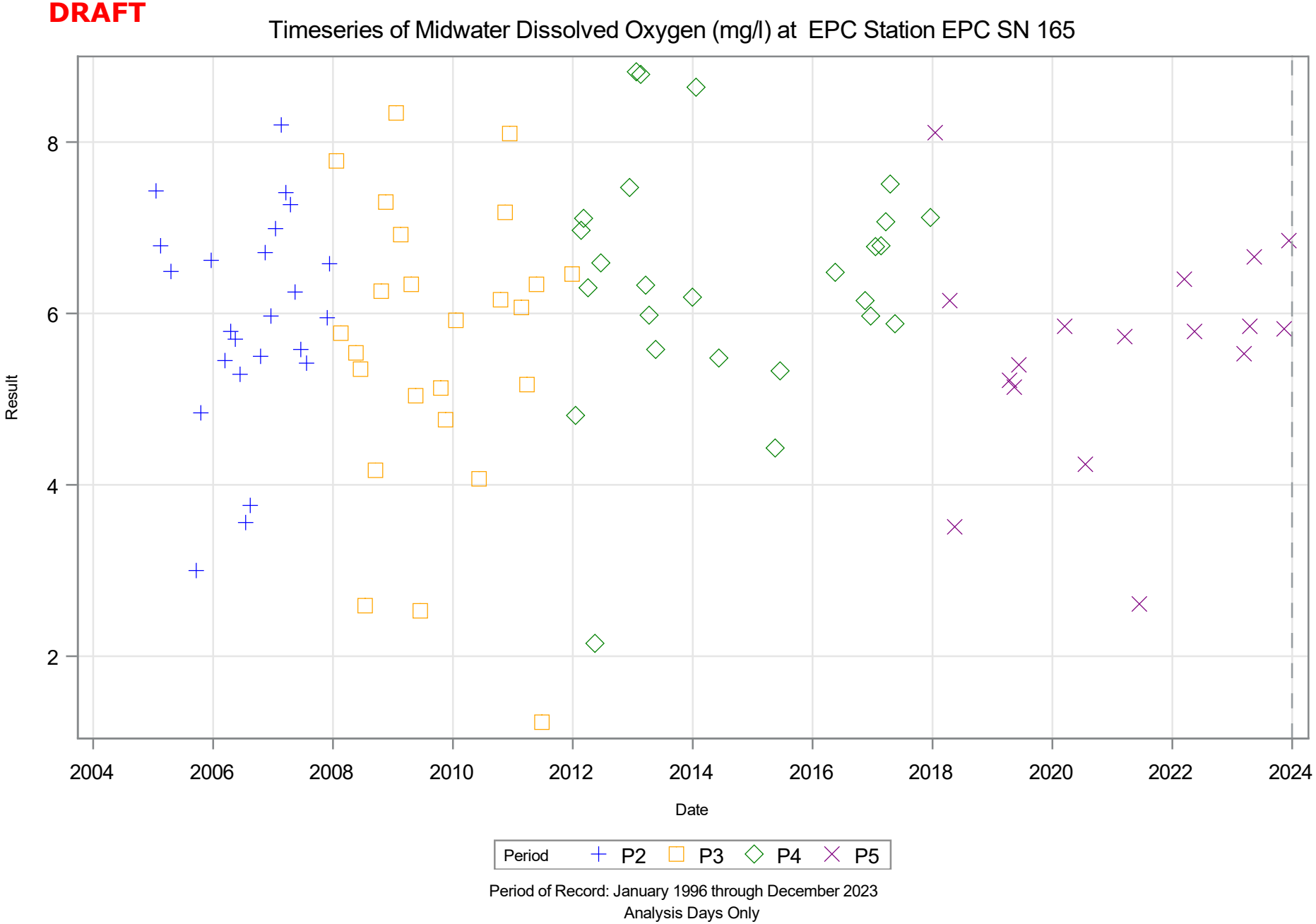
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	24	0.29	3.22	4.79	5.36	6.56	7.53
P3	21	0.28	2.25	4.50	4.55	7.18	9.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 165
Result
10
8
6
4
2
0
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

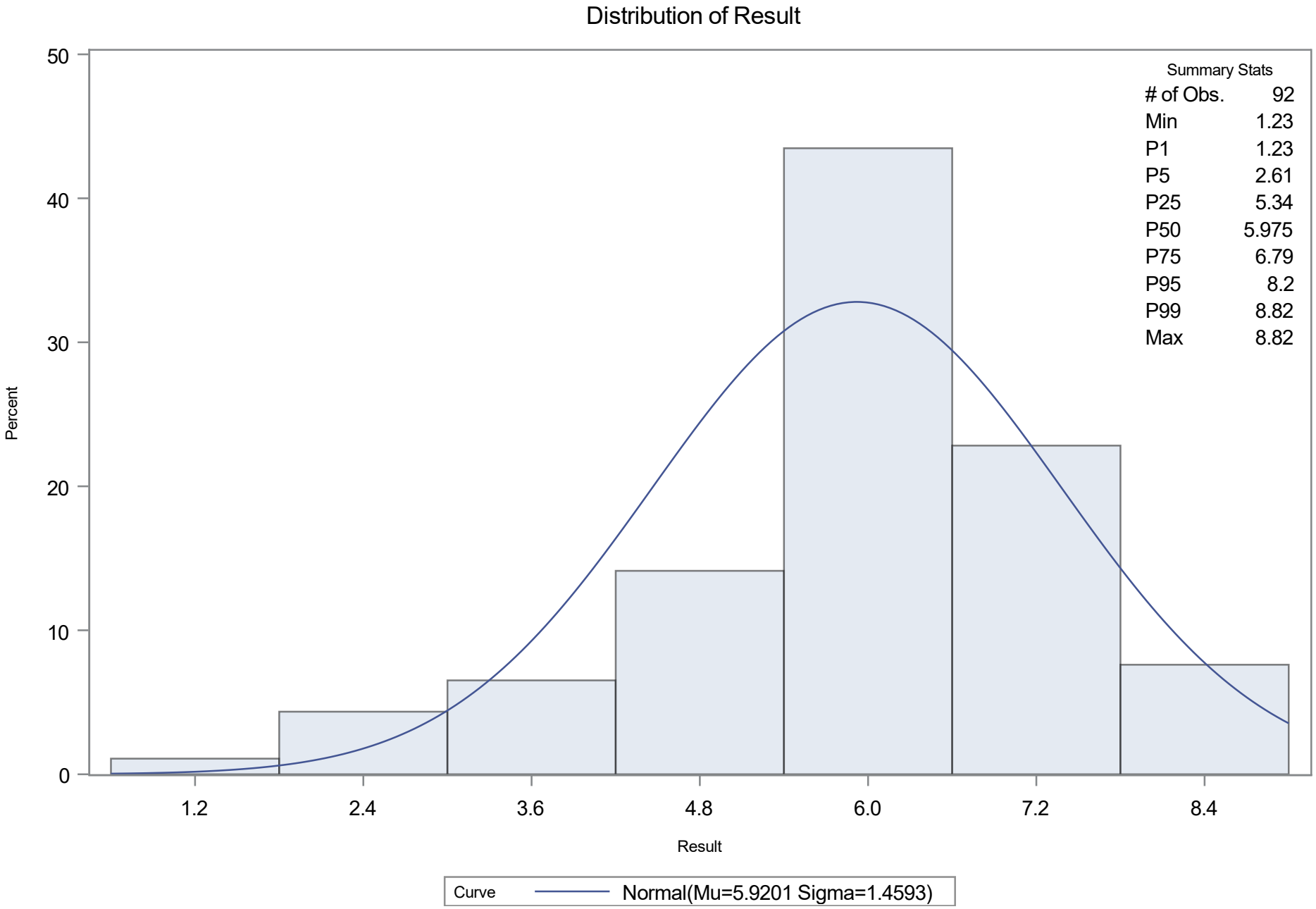
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.920109
Std Dev	Sigma	1.459266

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10931863	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.20711582	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.25542255	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.23000	2.52535
5.0	2.61000	3.51983
10.0	4.07000	4.04998
25.0	5.34000	4.93585
50.0	5.97500	5.92011
75.0	6.79000	6.90437
90.0	7.47000	7.79023
95.0	8.20000	8.32039
99.0	8.82000	9.31487

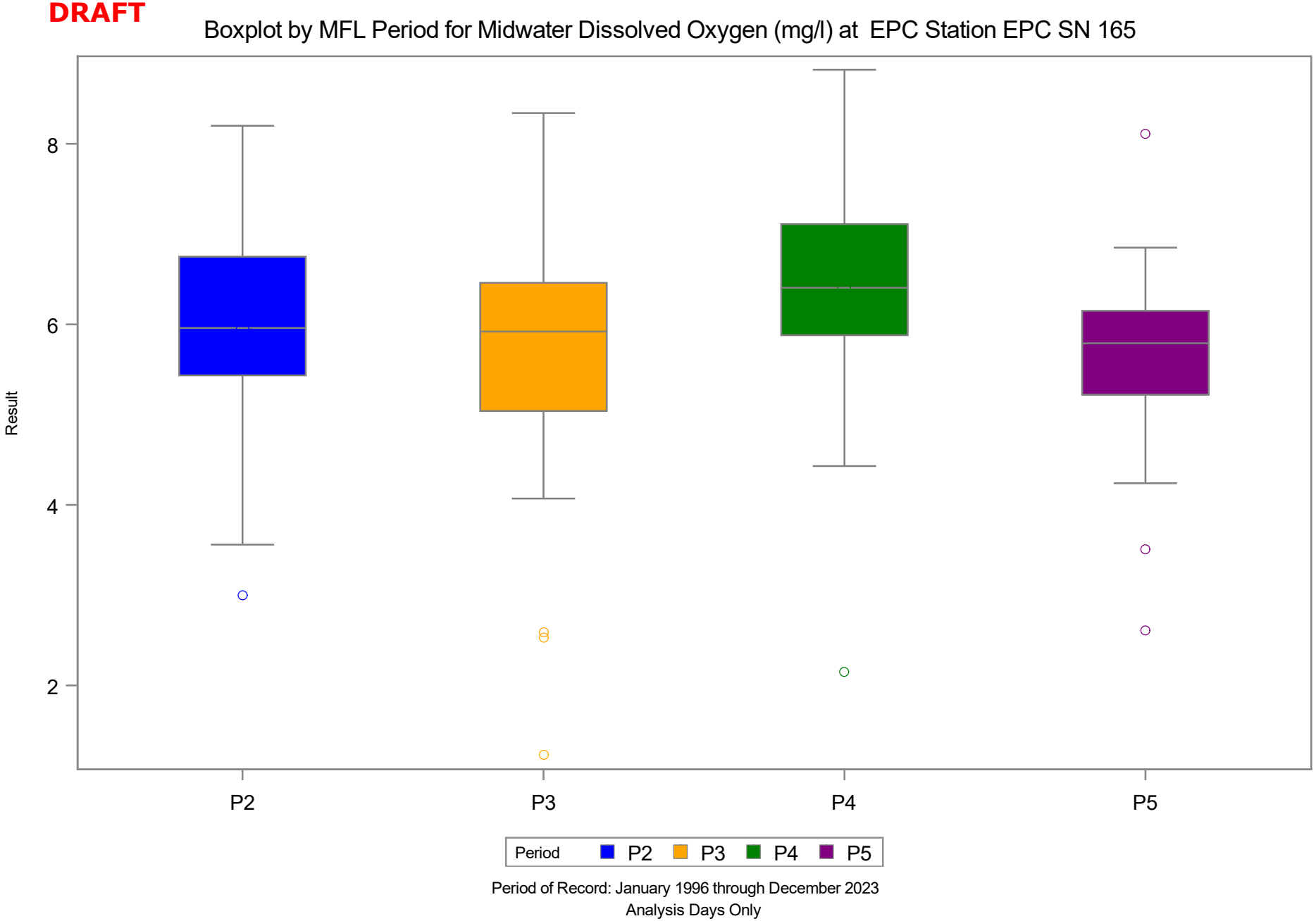
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 165**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	24	3.00	5.44	5.94	5.96	6.75	8.20
P3	25	1.23	5.04	5.62	5.92	6.46	8.34
P4	26	2.15	5.88	6.41	6.41	7.11	8.82
P5	17	2.61	5.22	5.58	5.79	6.15	8.11

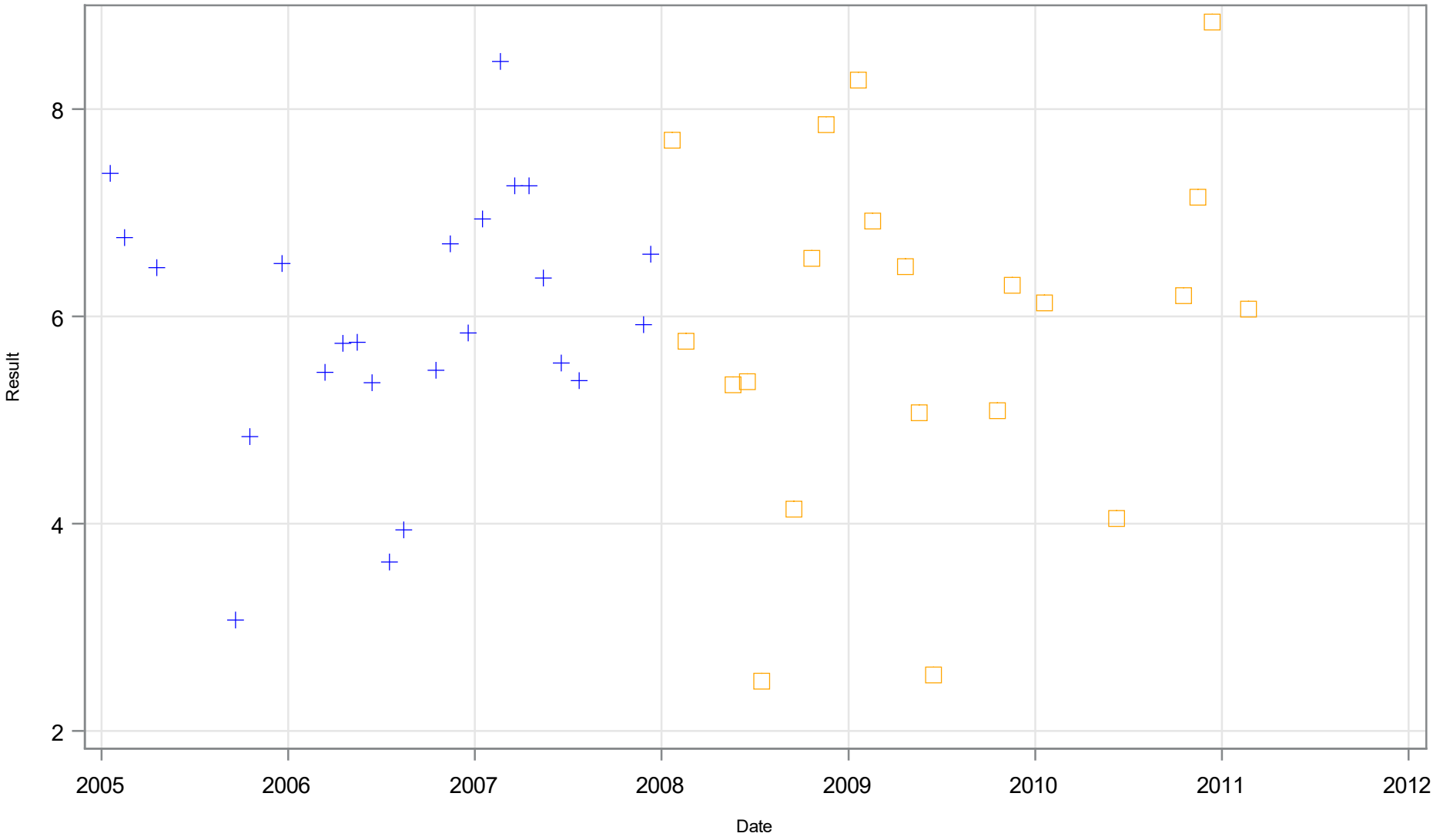
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 165
Result
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

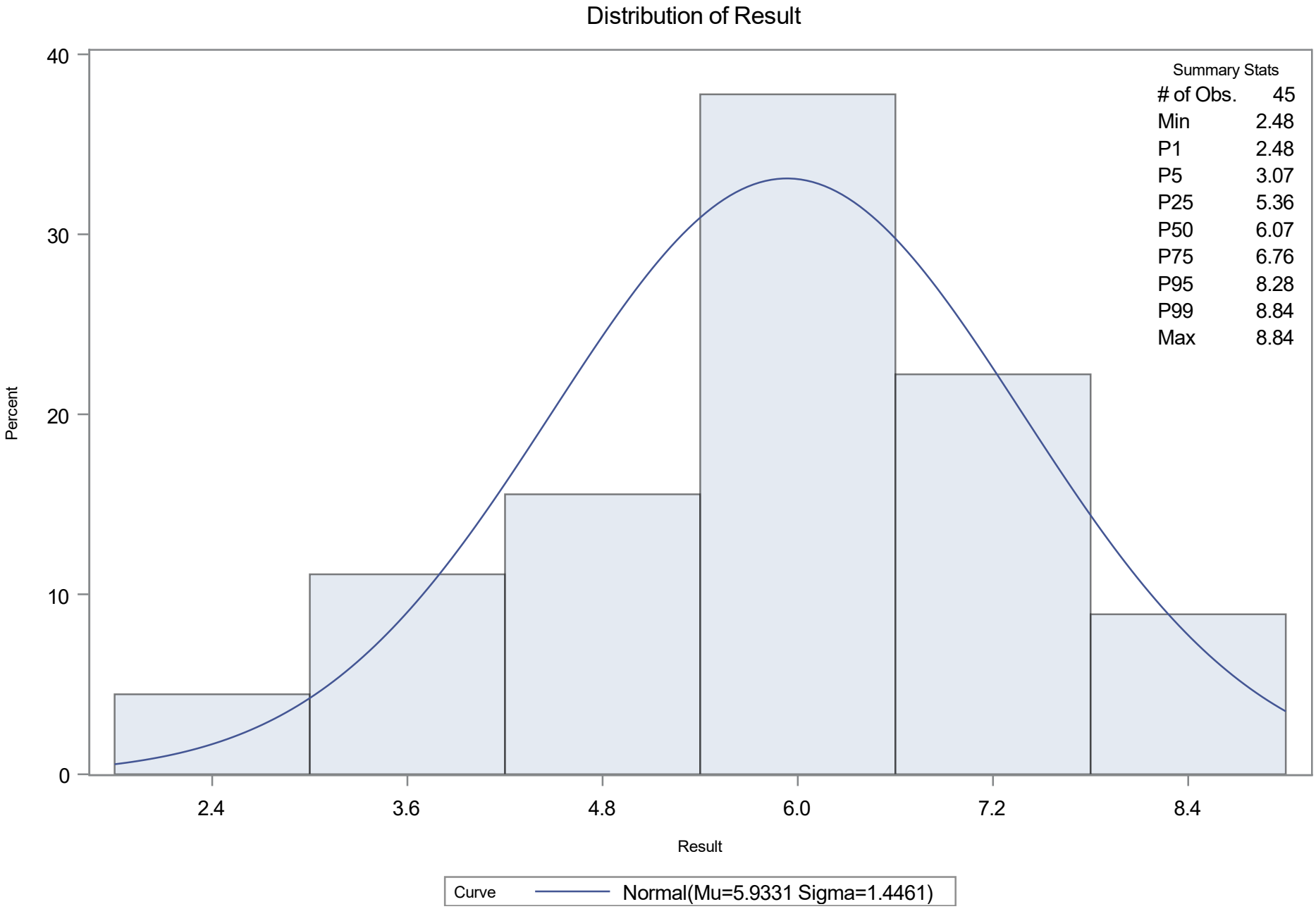
Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.933111
Std Dev	Sigma	1.446147

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11863231	**Pr > D**	0.111
Cramer-von Mises	**W-Sq**	0.07237874	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.45612543	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.48000	2.56887
5.0	3.07000	3.55441
10.0	3.94000	4.07980
25.0	5.36000	4.95770
50.0	6.07000	5.93311
75.0	6.76000	6.90852
90.0	7.70000	7.78642
95.0	8.28000	8.31181
99.0	8.84000	9.29735

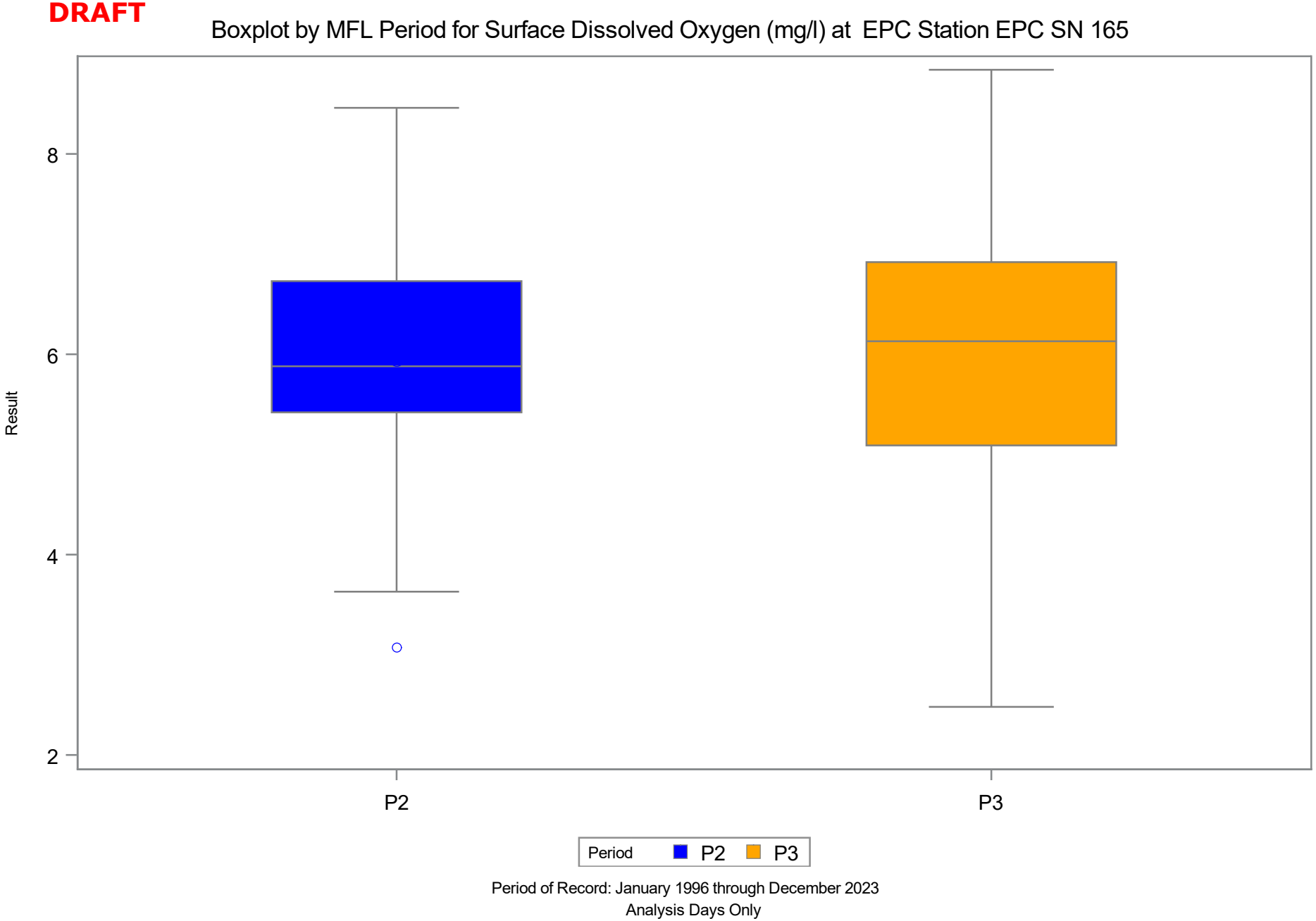
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 165**

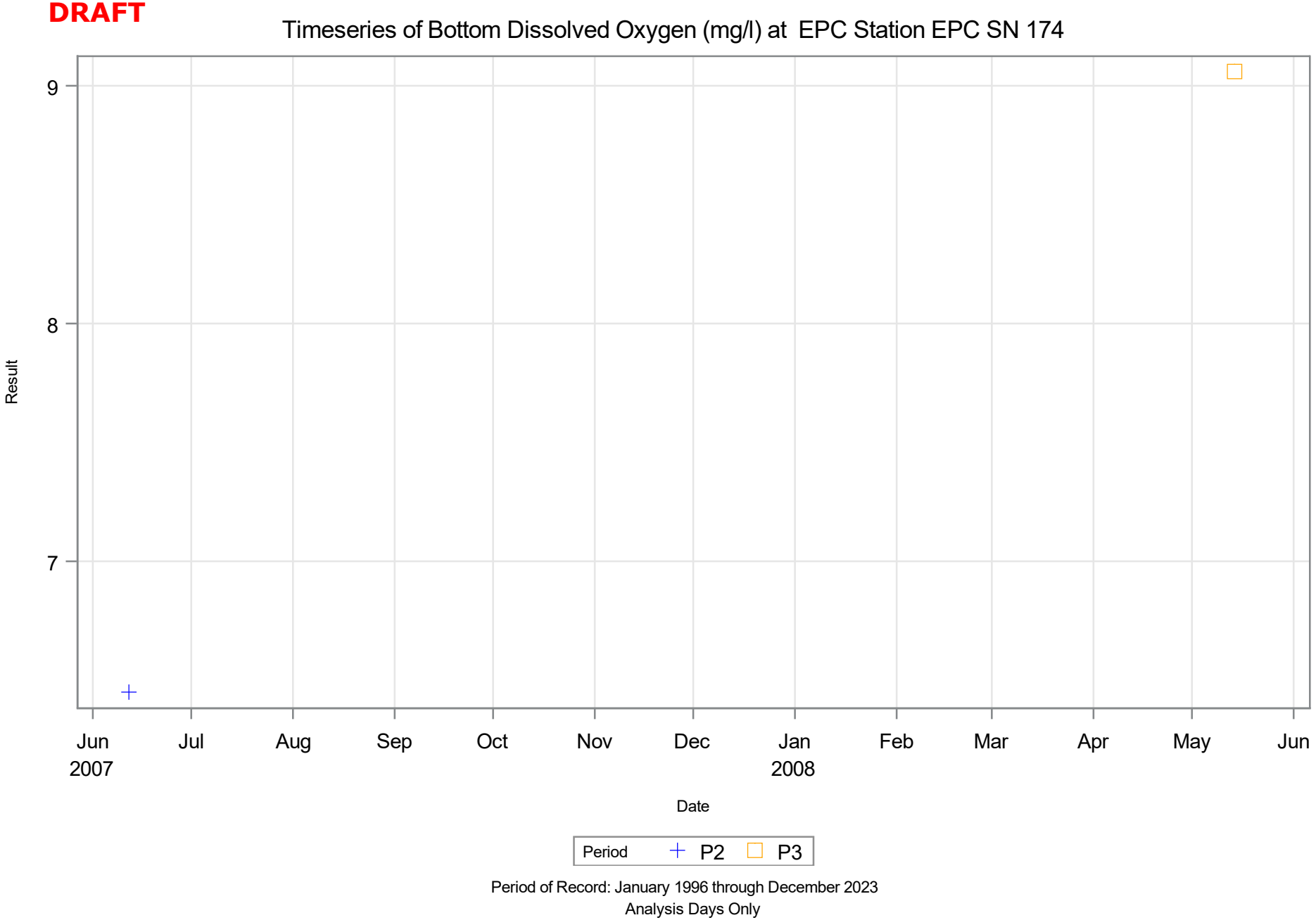
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	24	3.07	5.42	5.94	5.88	6.73	8.46
P3	21	2.48	5.09	5.92	6.13	6.92	8.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

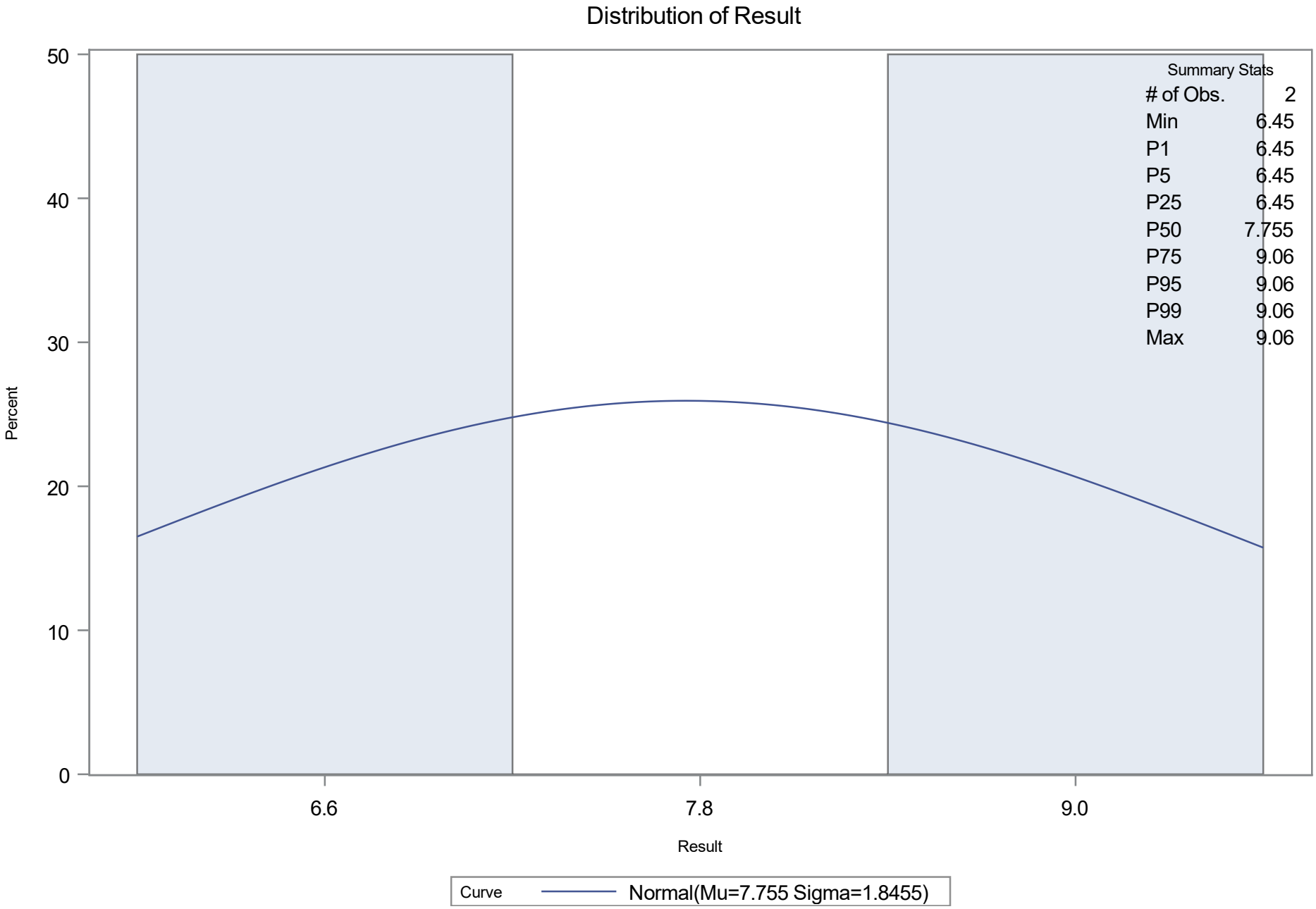

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 165
Result
8
6
4
2
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 174
9
8
7
Result
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.755
Std Dev	Sigma	1.845549

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.45000	3.46161
5.0	6.45000	4.71934
10.0	6.45000	5.38983
25.0	6.45000	6.51020
50.0	7.75500	7.75500
75.0	9.06000	8.99980
90.0	9.06000	10.12017
95.0	9.06000	10.79066
99.0	9.06000	12.04839

Period of Record: January 1996 through December 2023
Analysis Days Only

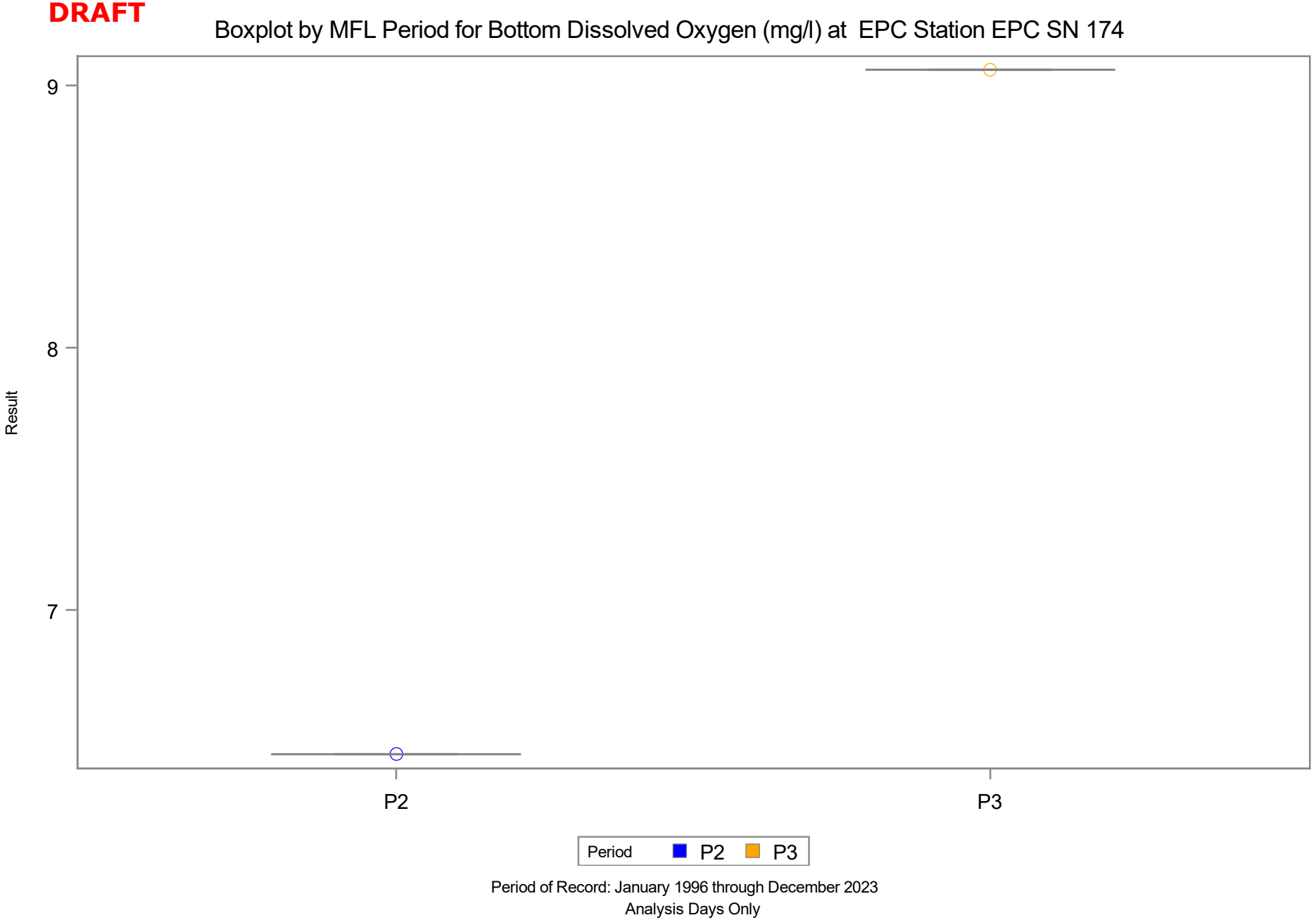
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 174

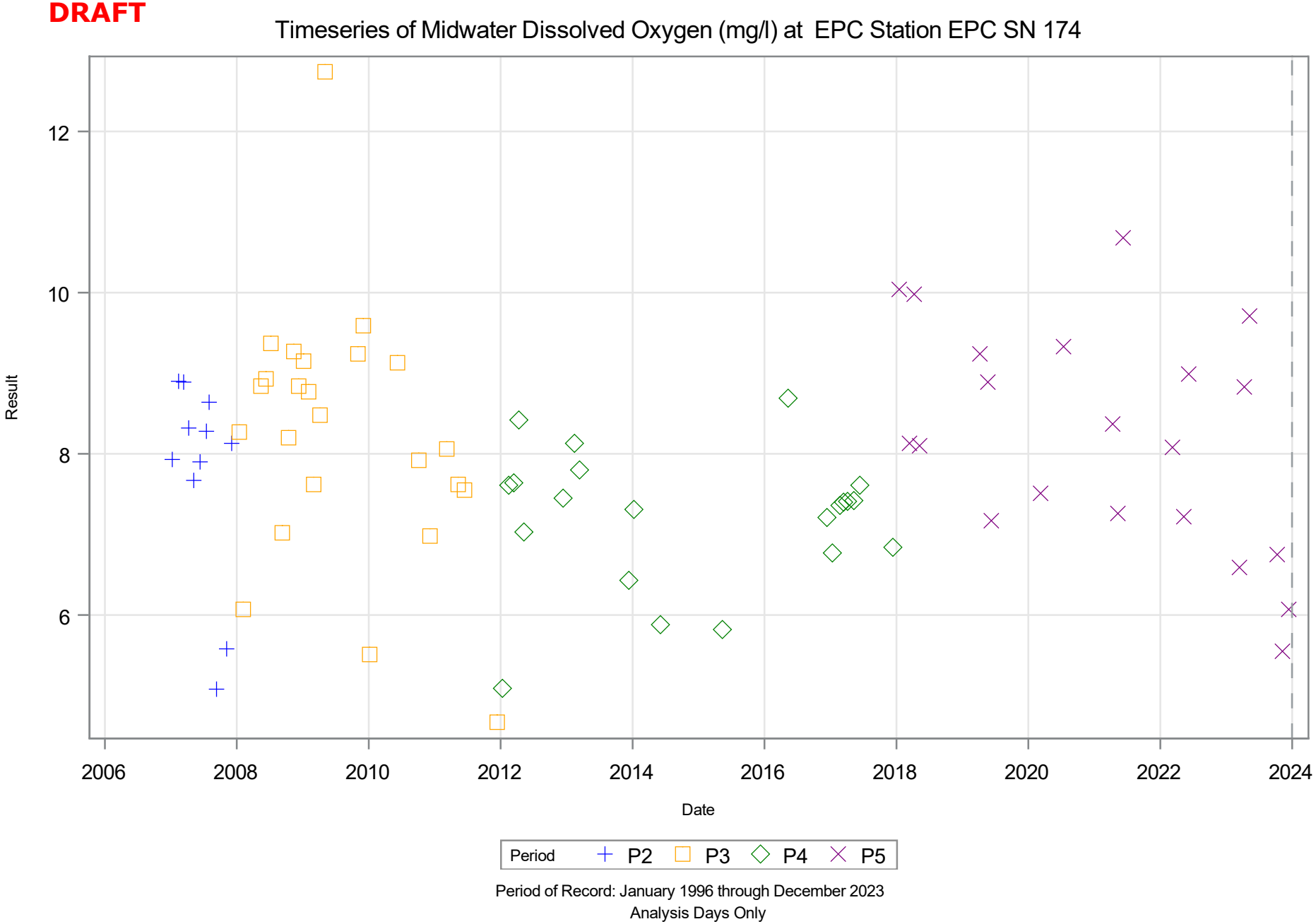
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	6.45	6.45	6.45	6.45	6.45	6.45
P3	1	9.06	9.06	9.06	9.06	9.06	9.06

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

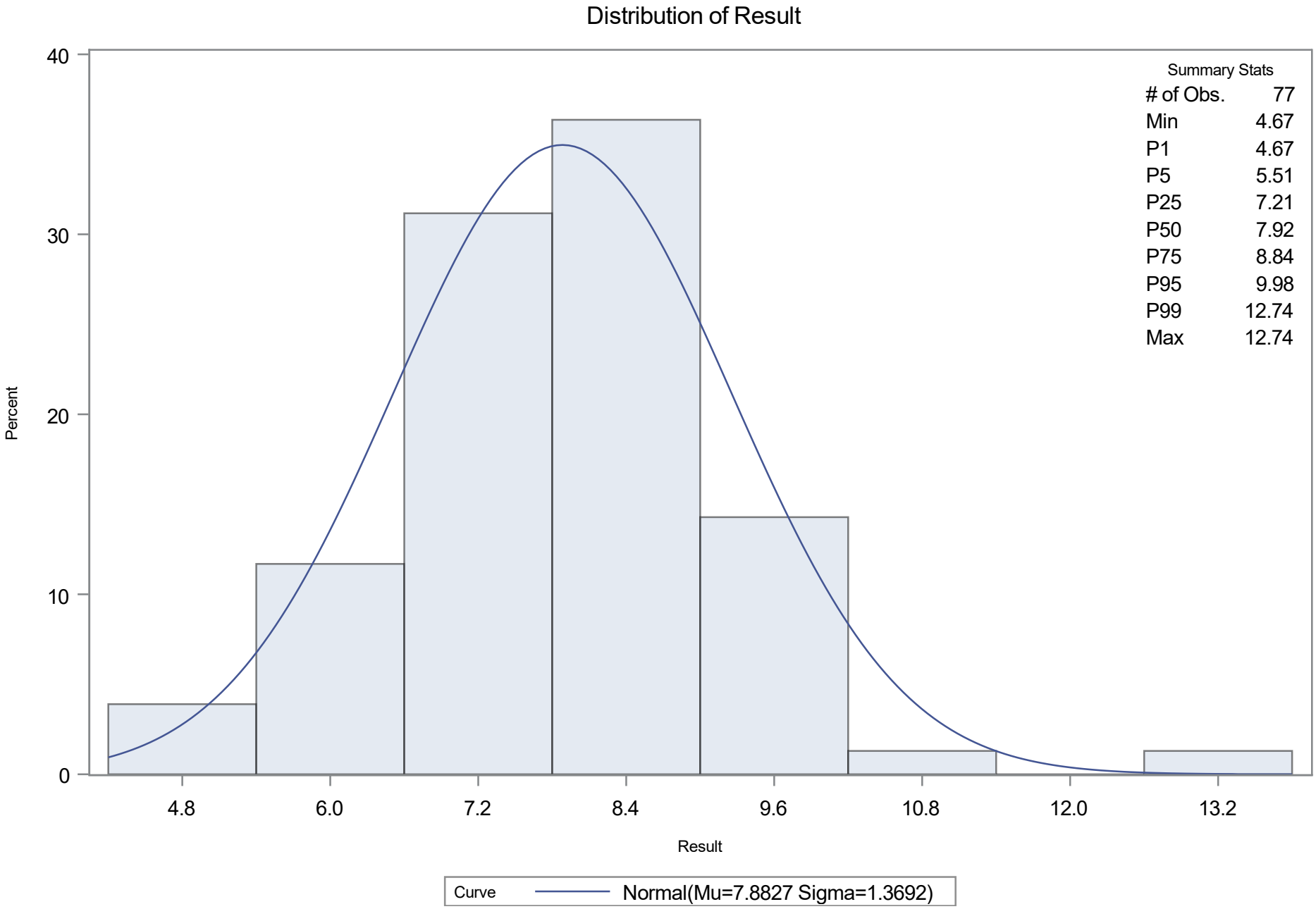

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 174
Result
9
8
7
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 174
Result
12
10
8
6
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.882727
Std Dev	Sigma	1.369193

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06757543	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06020235	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44952655	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.67000	4.69751
5.0	5.51000	5.63061
10.0	5.88000	6.12804
25.0	7.21000	6.95922
50.0	7.92000	7.88273
75.0	8.84000	8.80623
90.0	9.33000	9.63742
95.0	9.98000	10.13485
99.0	12.74000	11.06795

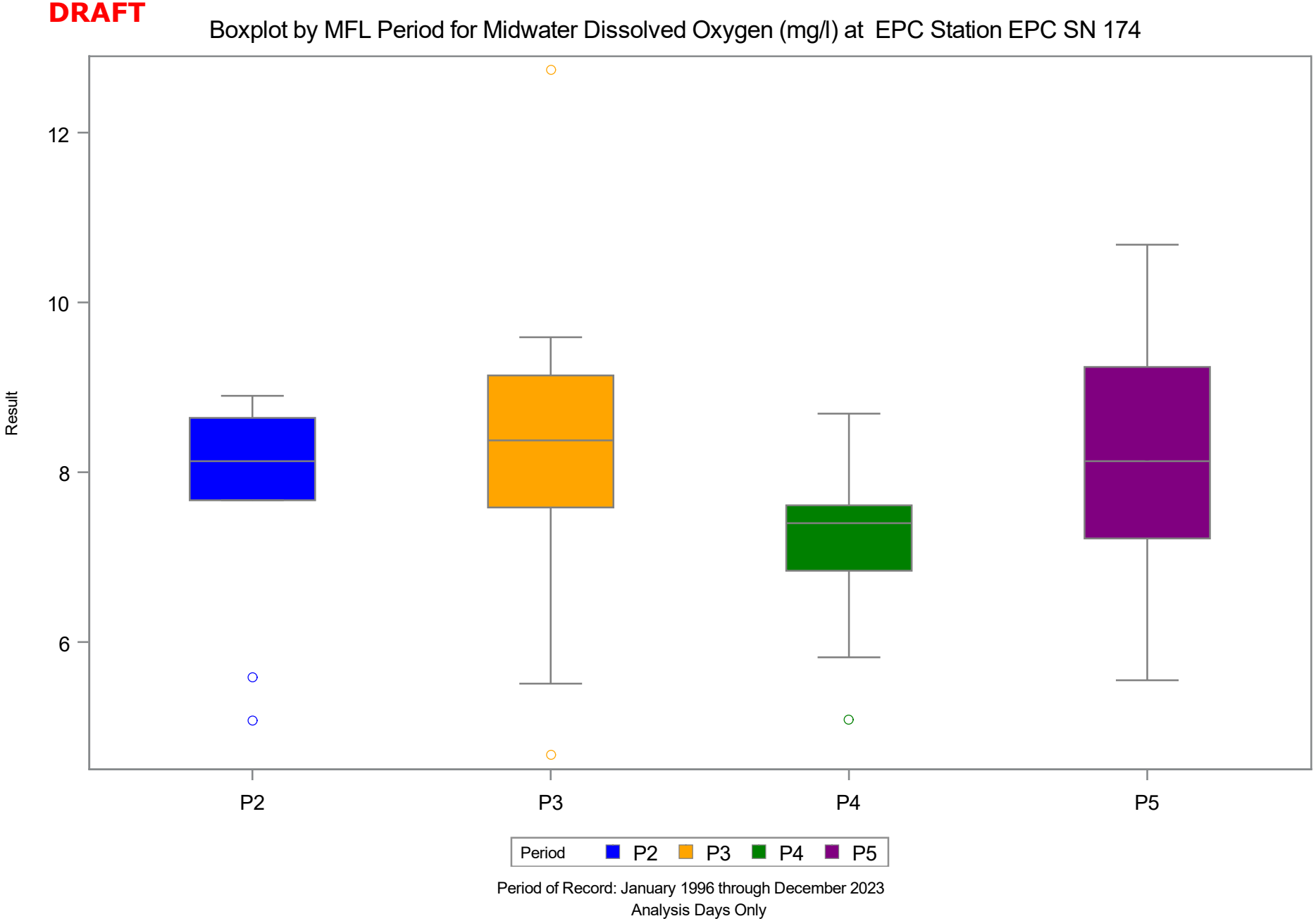
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 174**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	5.08	7.67	7.76	8.13	8.64	8.90
P3	24	4.67	7.59	8.24	8.38	9.14	12.74
P4	21	5.09	6.84	7.21	7.40	7.61	8.69
P5	21	5.55	7.22	8.21	8.13	9.24	10.68

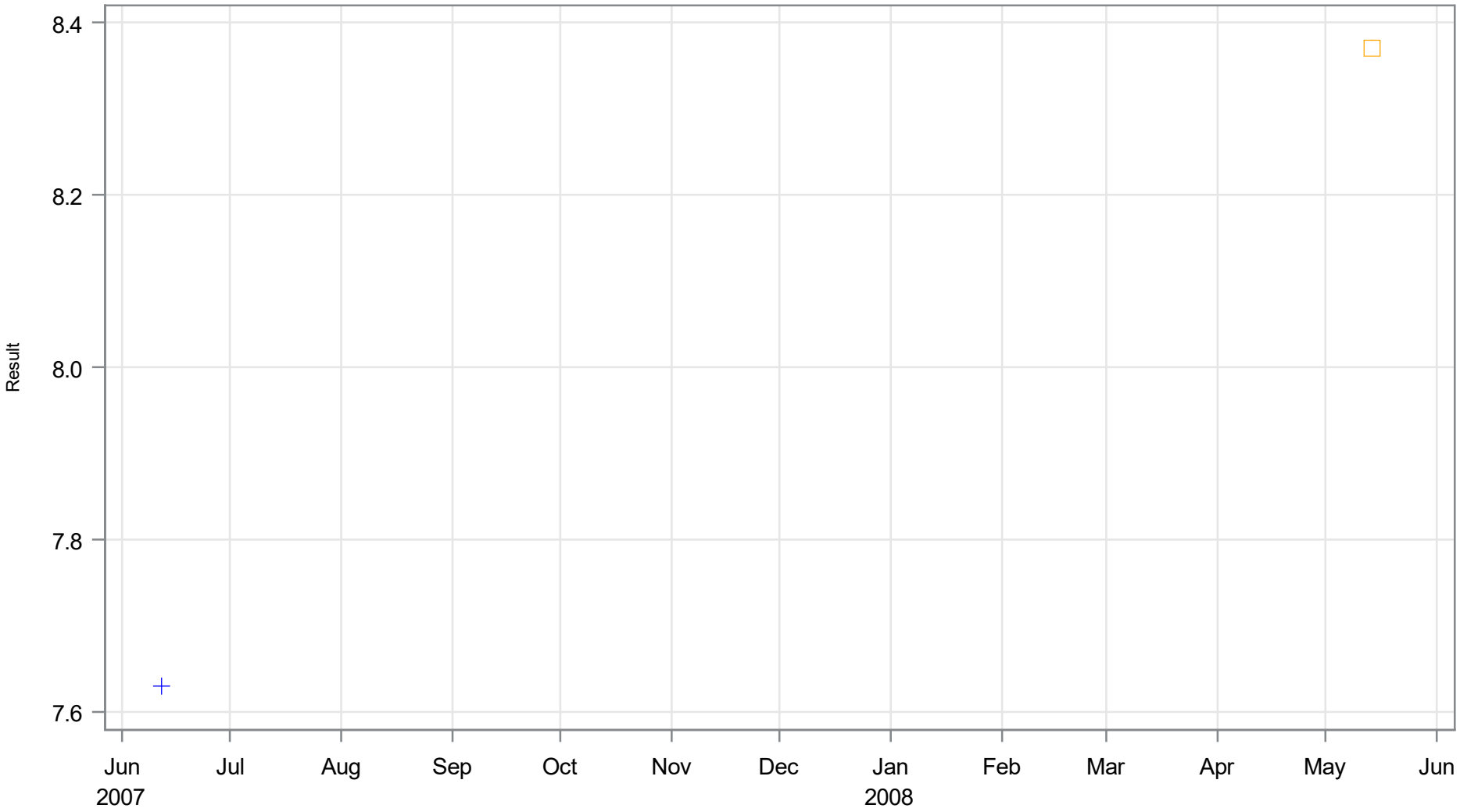
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 174
Result
12
10
8
6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

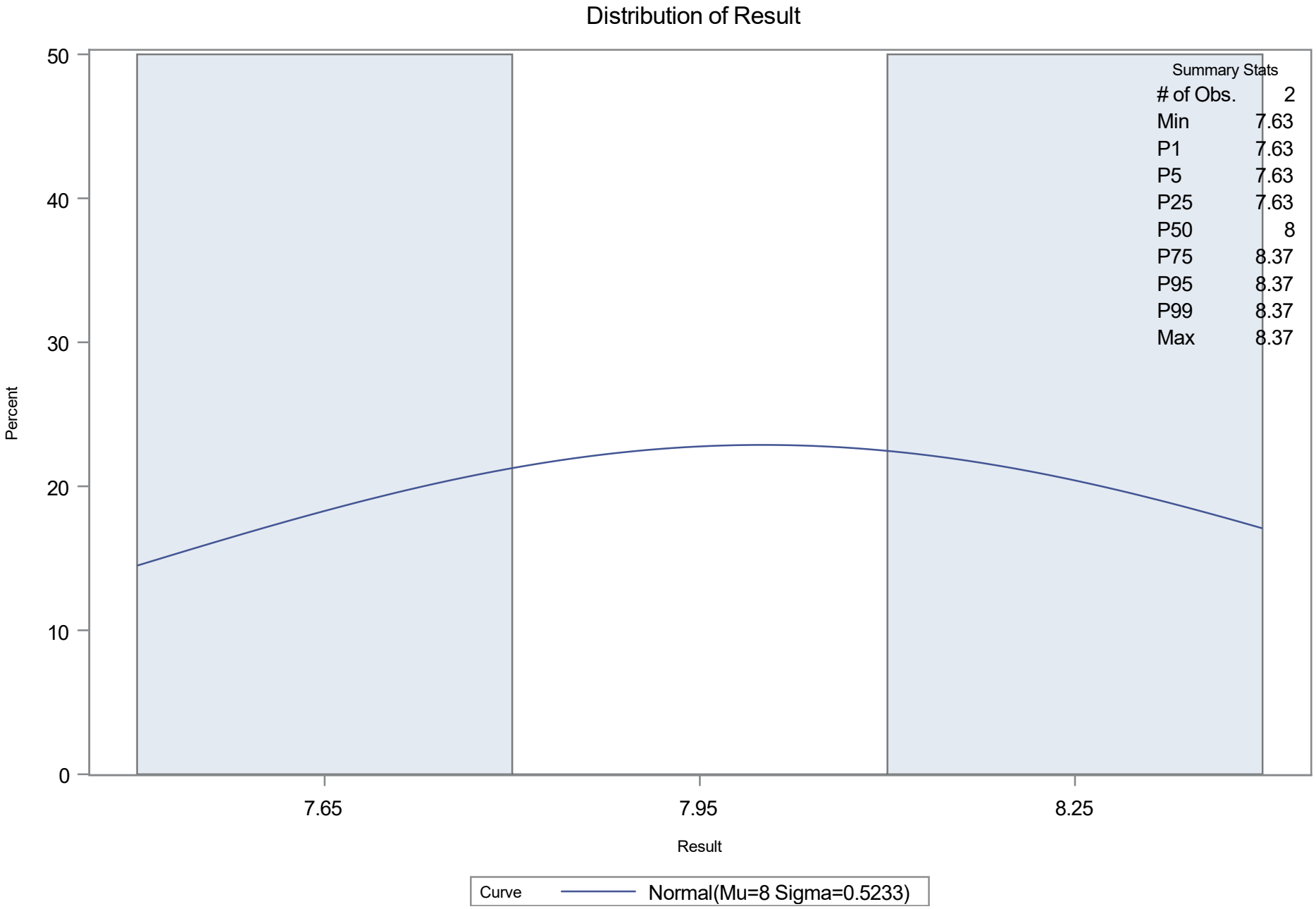
Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8
Std Dev	Sigma	0.523259

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.63000	6.78272
5.0	7.63000	7.13932
10.0	7.63000	7.32942
25.0	7.63000	7.64707
50.0	8.00000	8.00000
75.0	8.37000	8.35293
90.0	8.37000	8.67058
95.0	8.37000	8.86068
99.0	8.37000	9.21728

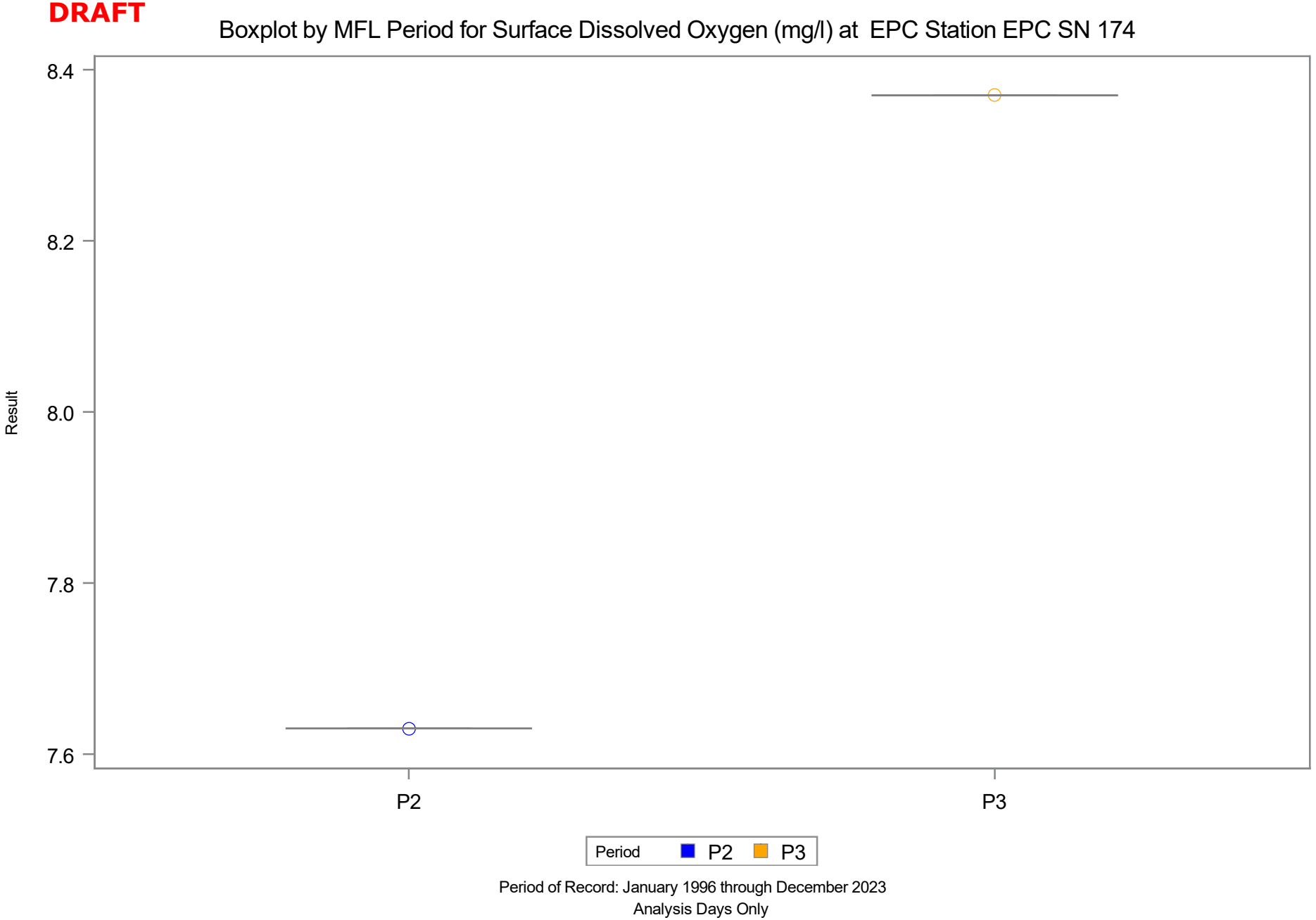
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 174**

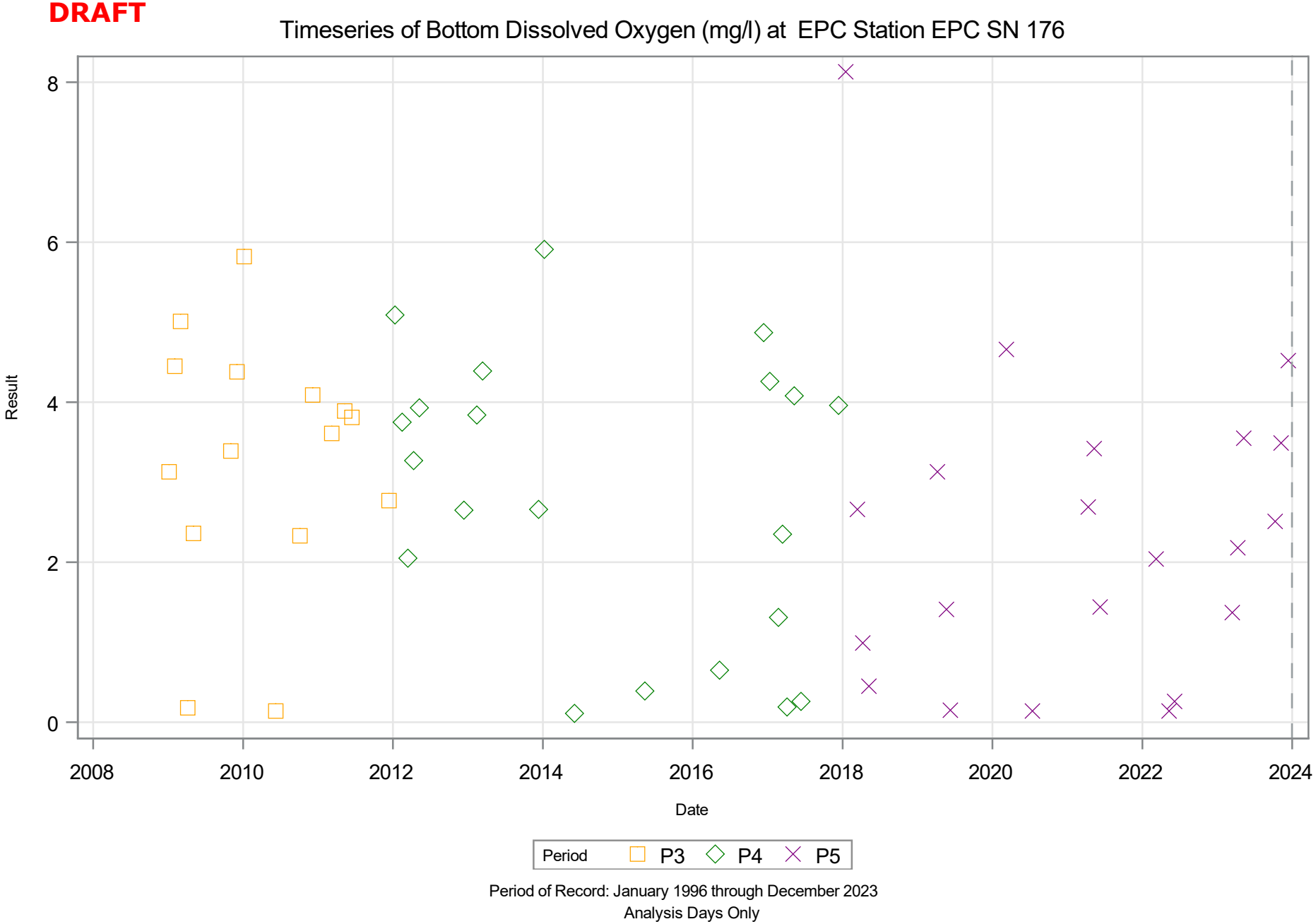
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	7.63	7.63	7.63	7.63	7.63	7.63
P3	1	8.37	8.37	8.37	8.37	8.37	8.37

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 174
Result
8.4
8.2
8.0
7.8
7.6
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

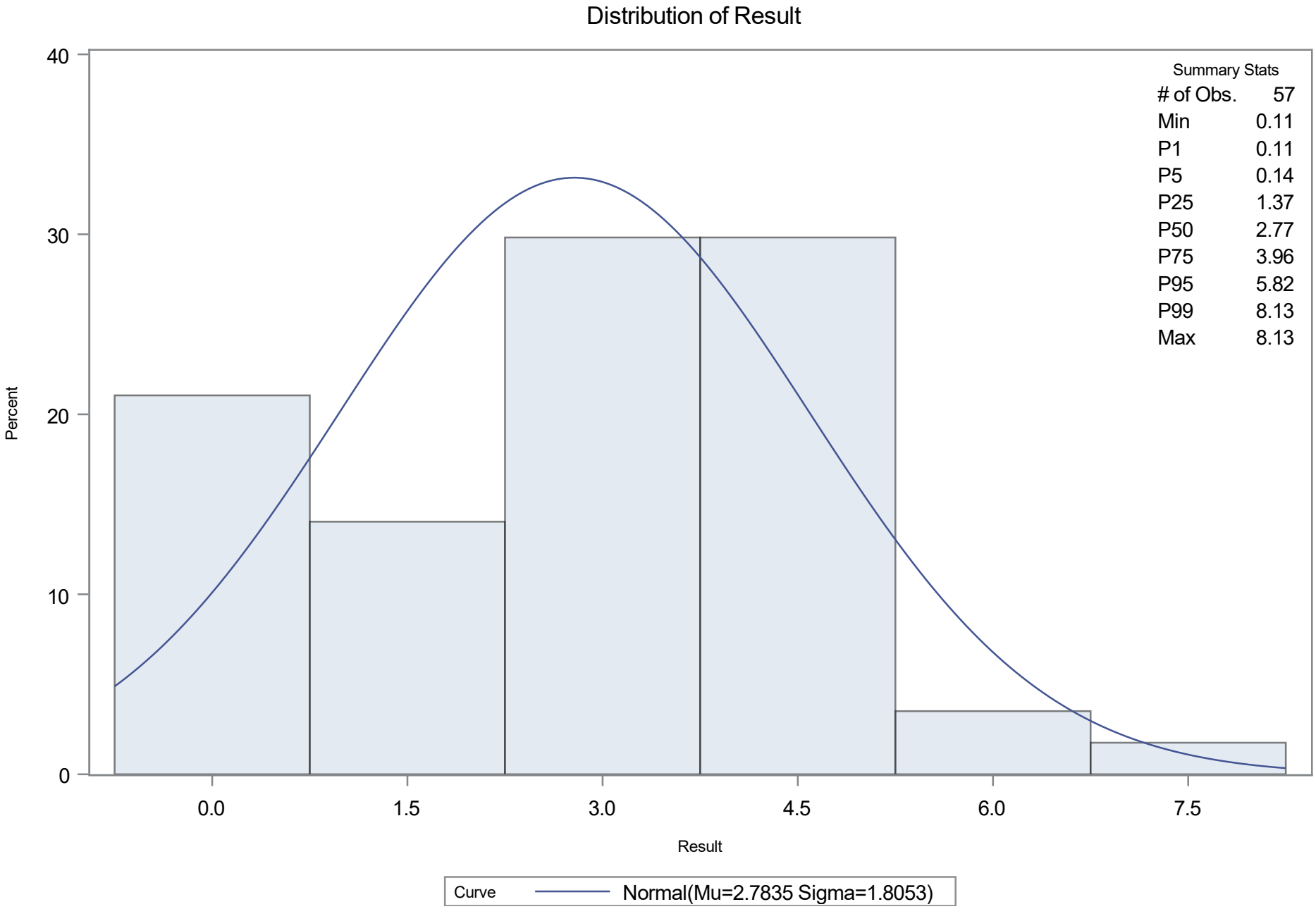
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.783509
Std Dev	Sigma	1.80535

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09489947	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08884020	**Pr > W-Sq**	0.158
Anderson-Darling	**A-Sq**	0.74651197	**Pr > A-Sq**	0.049

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	-1.41636
5.0	0.14000	-0.18603
10.0	0.18000	0.46986
25.0	1.37000	1.56582
50.0	2.77000	2.78351
75.0	3.96000	4.00120
90.0	4.87000	5.09716
95.0	5.82000	5.75304
99.0	8.13000	6.98338

Period of Record: January 1996 through December 2023
Analysis Days Only

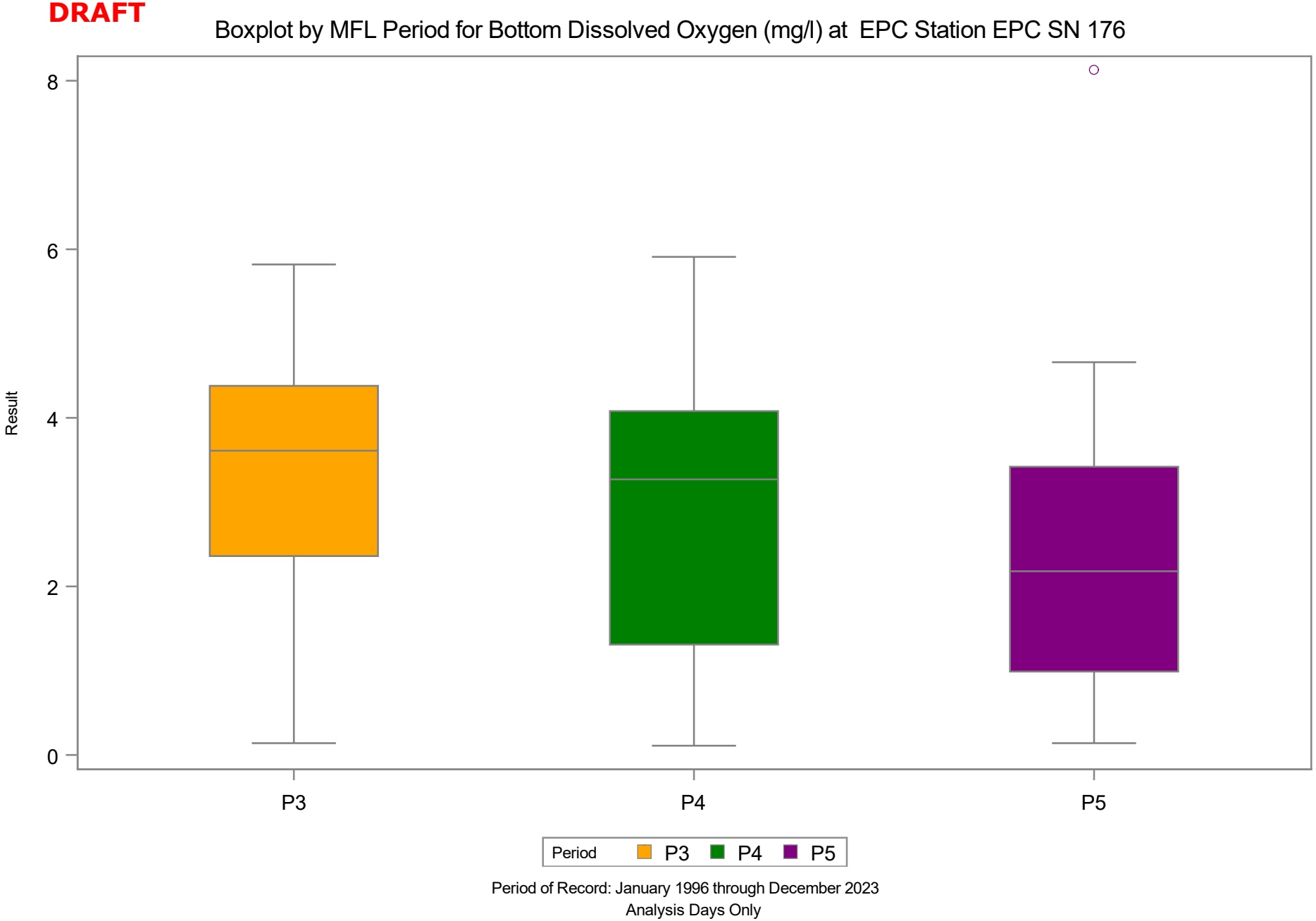
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 176

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.14	2.36	3.29	3.61	4.38	5.82
P4	21	0.11	1.31	2.86	3.27	4.08	5.91
P5	21	0.14	0.99	2.35	2.18	3.42	8.13

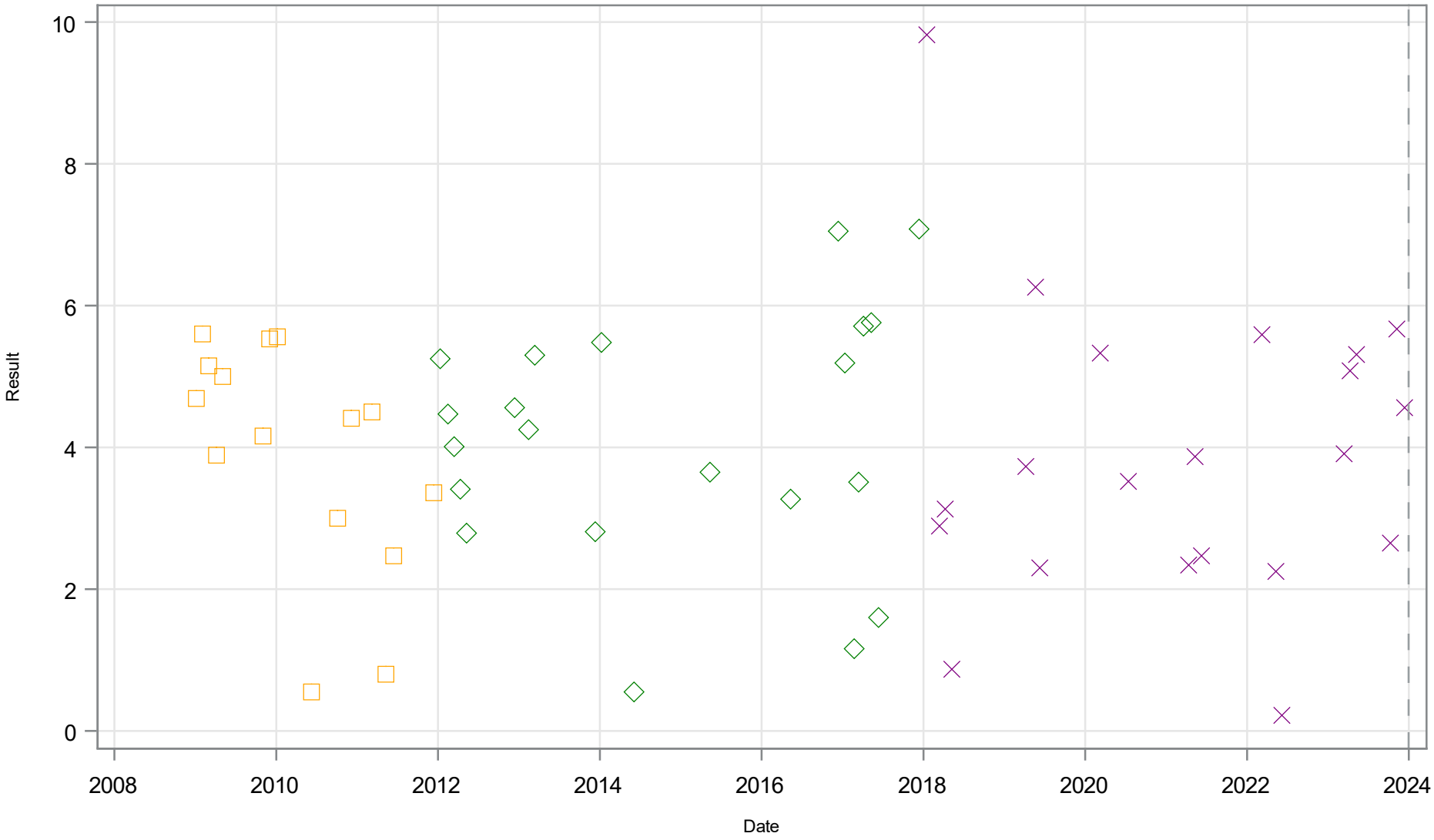
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 176
Result
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

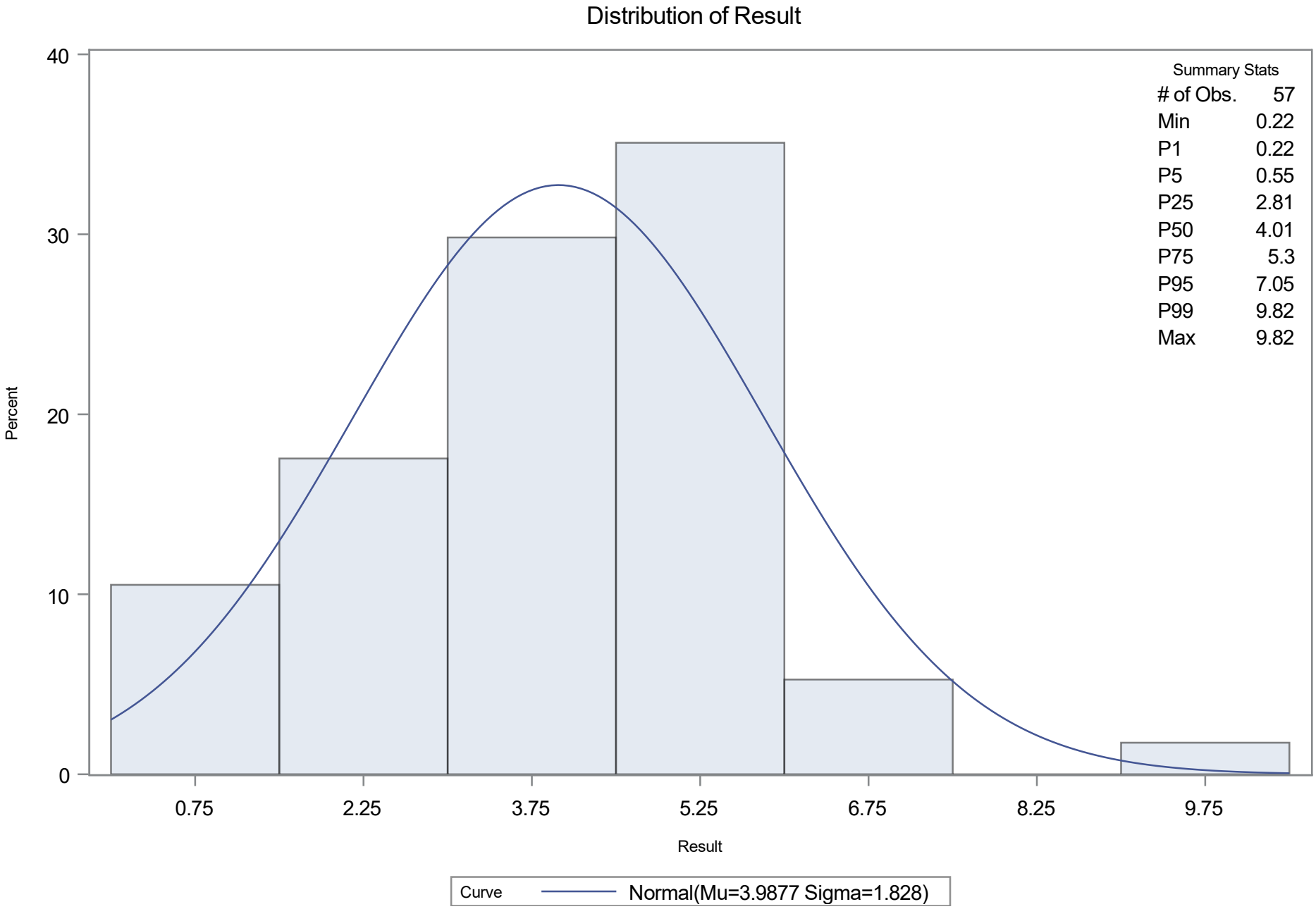
Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.987719
Std Dev	Sigma	1.827997

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09596727	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05207307	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44279403	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.22000	-0.26484
5.0	0.55000	0.98093
10.0	1.16000	1.64505
25.0	2.81000	2.75475
50.0	4.01000	3.98772
75.0	5.30000	5.22068
90.0	5.71000	6.33039
95.0	7.05000	6.99451
99.0	9.82000	8.24028

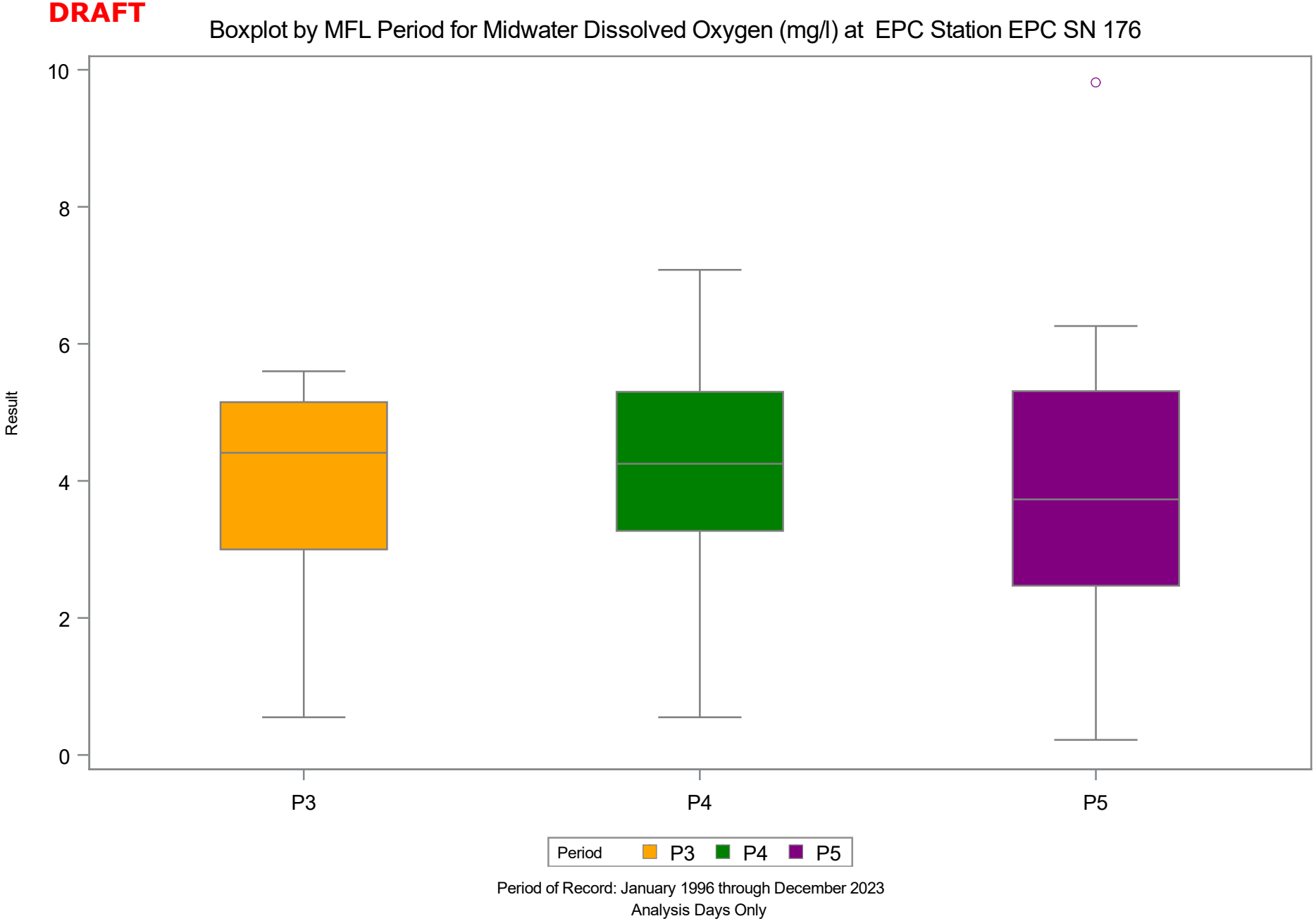
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 176**

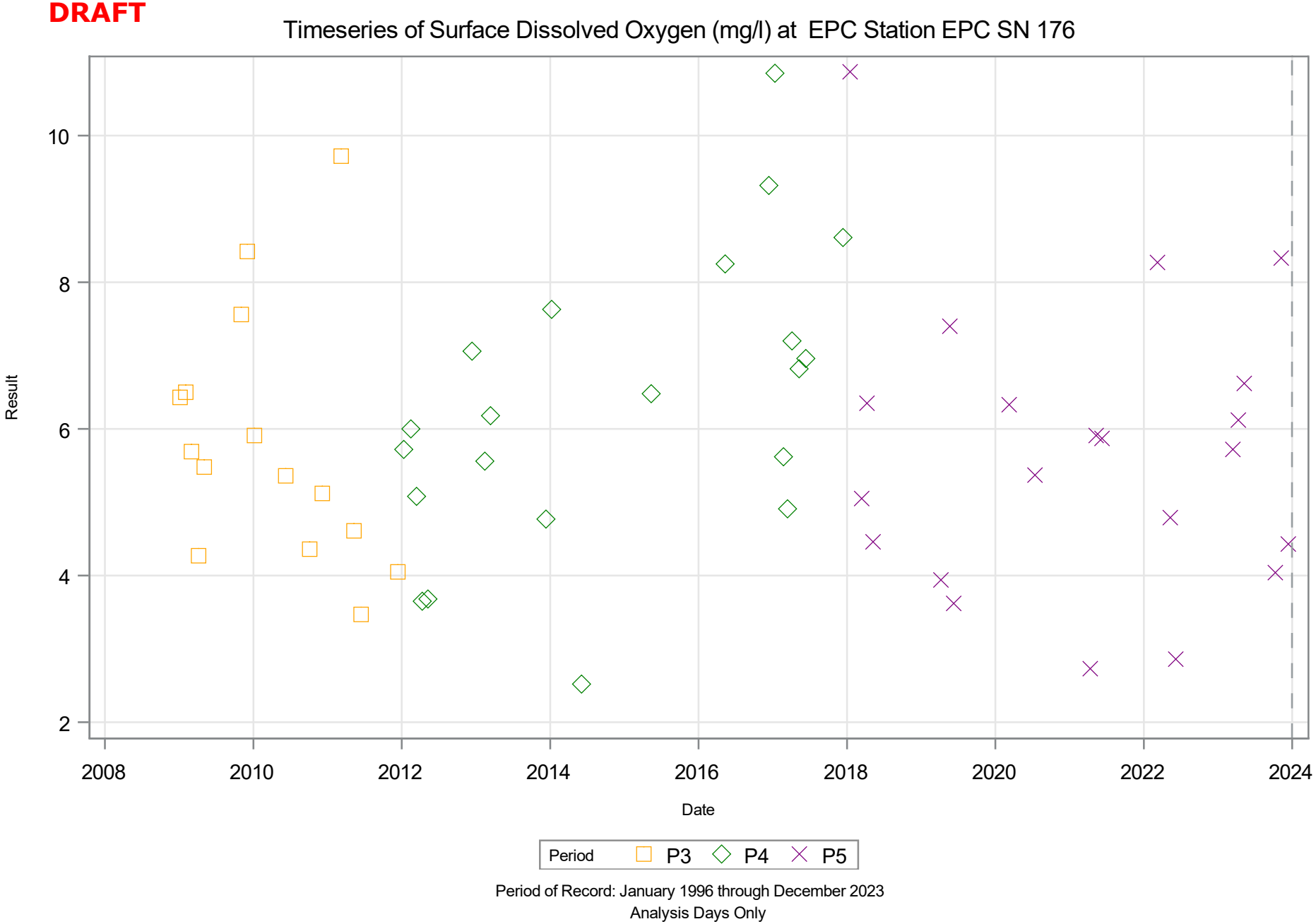
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.55	3.00	3.91	4.41	5.15	5.60
P4	21	0.55	3.27	4.14	4.25	5.30	7.08
P5	21	0.22	2.47	3.89	3.73	5.31	9.82

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

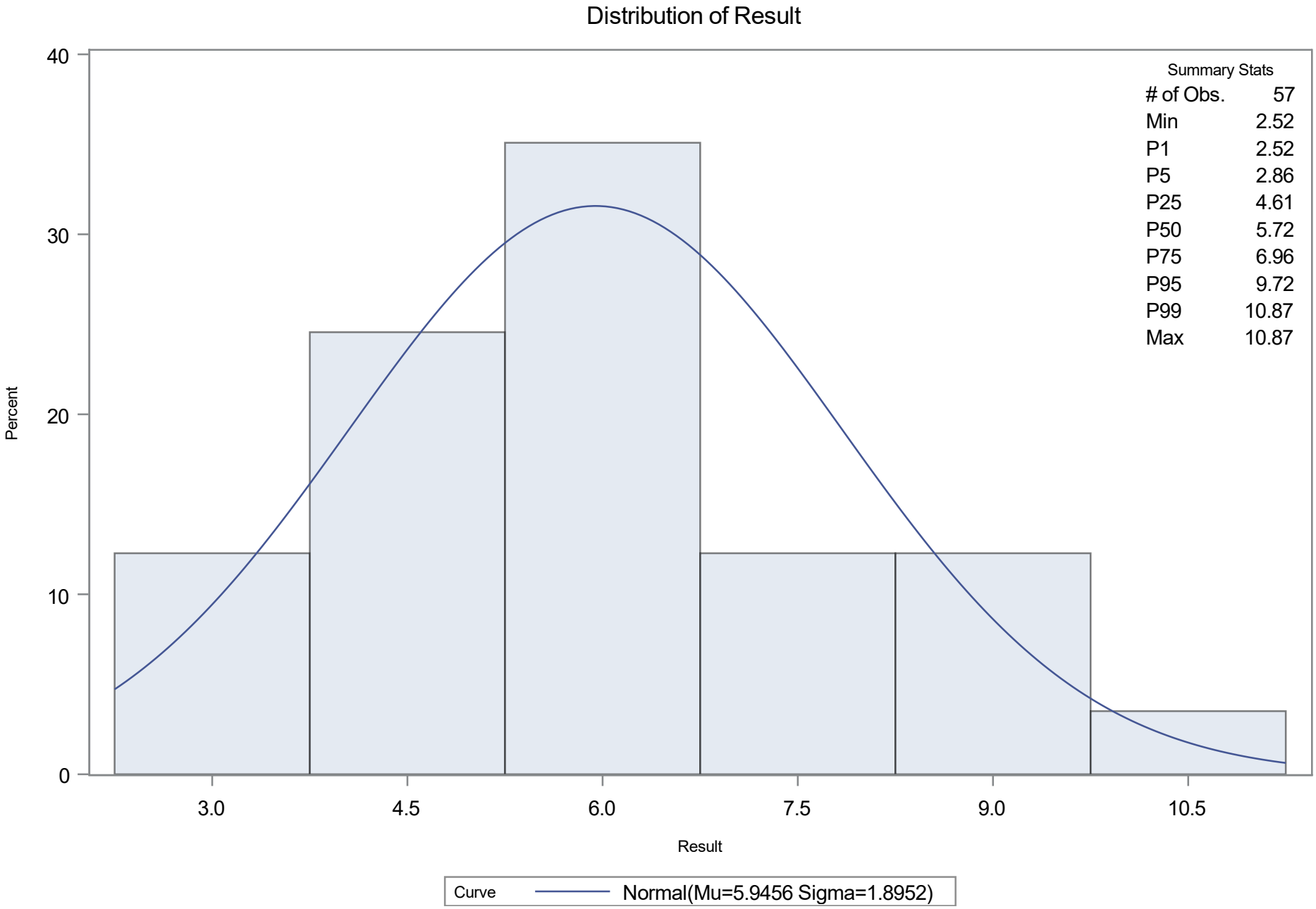

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 176
Result
10
8
6
4
2
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 176
Result
10
8
6
4
2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.945614
Std Dev	Sigma	1.895208

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08669899	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06267600	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.42199684	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.52000	1.53670
5.0	2.86000	2.82827
10.0	3.65000	3.51681
25.0	4.61000	4.66732
50.0	5.72000	5.94561
75.0	6.96000	7.22391
90.0	8.42000	8.37442
95.0	9.72000	9.06295
99.0	10.87000	10.35453

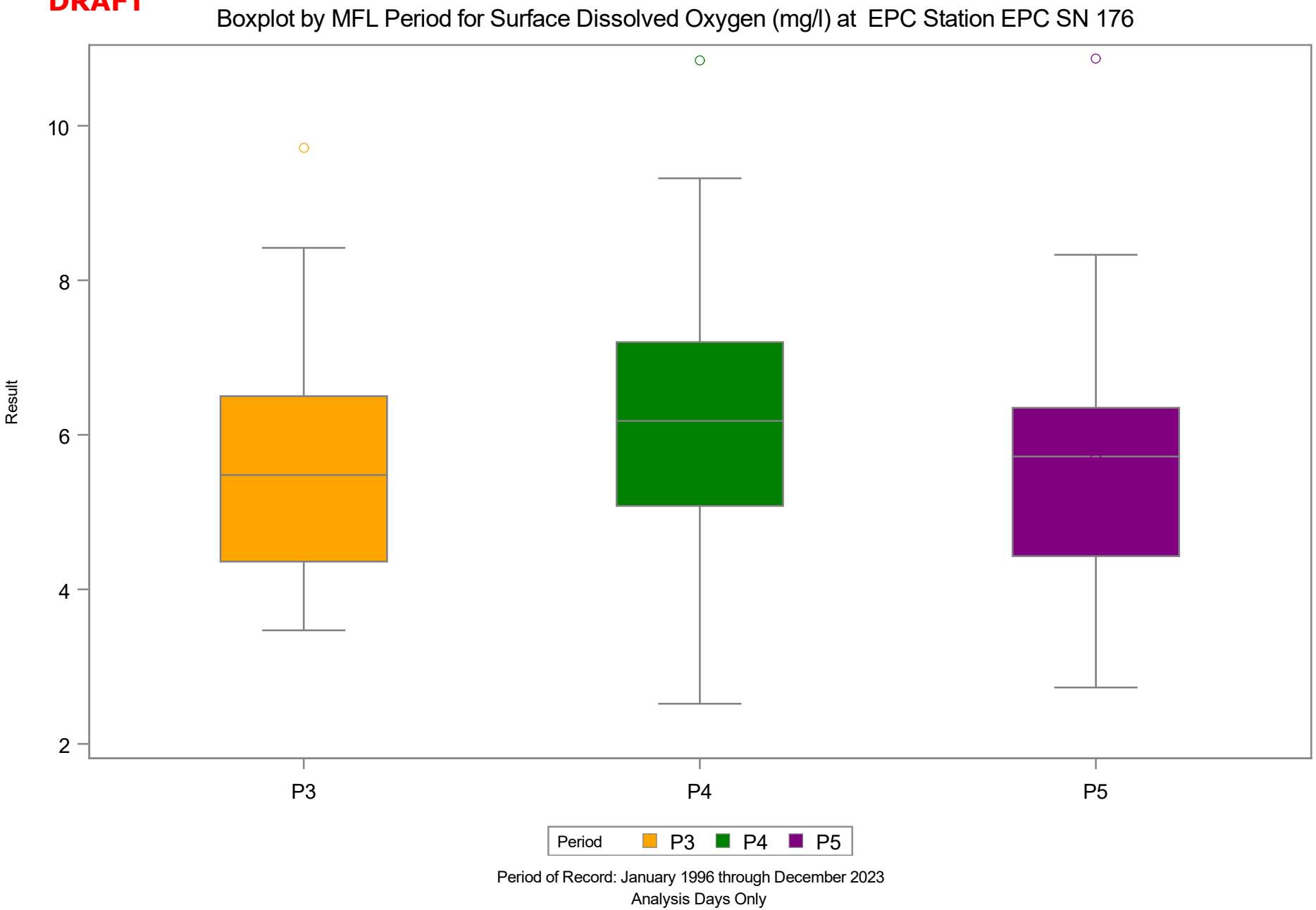
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 176**

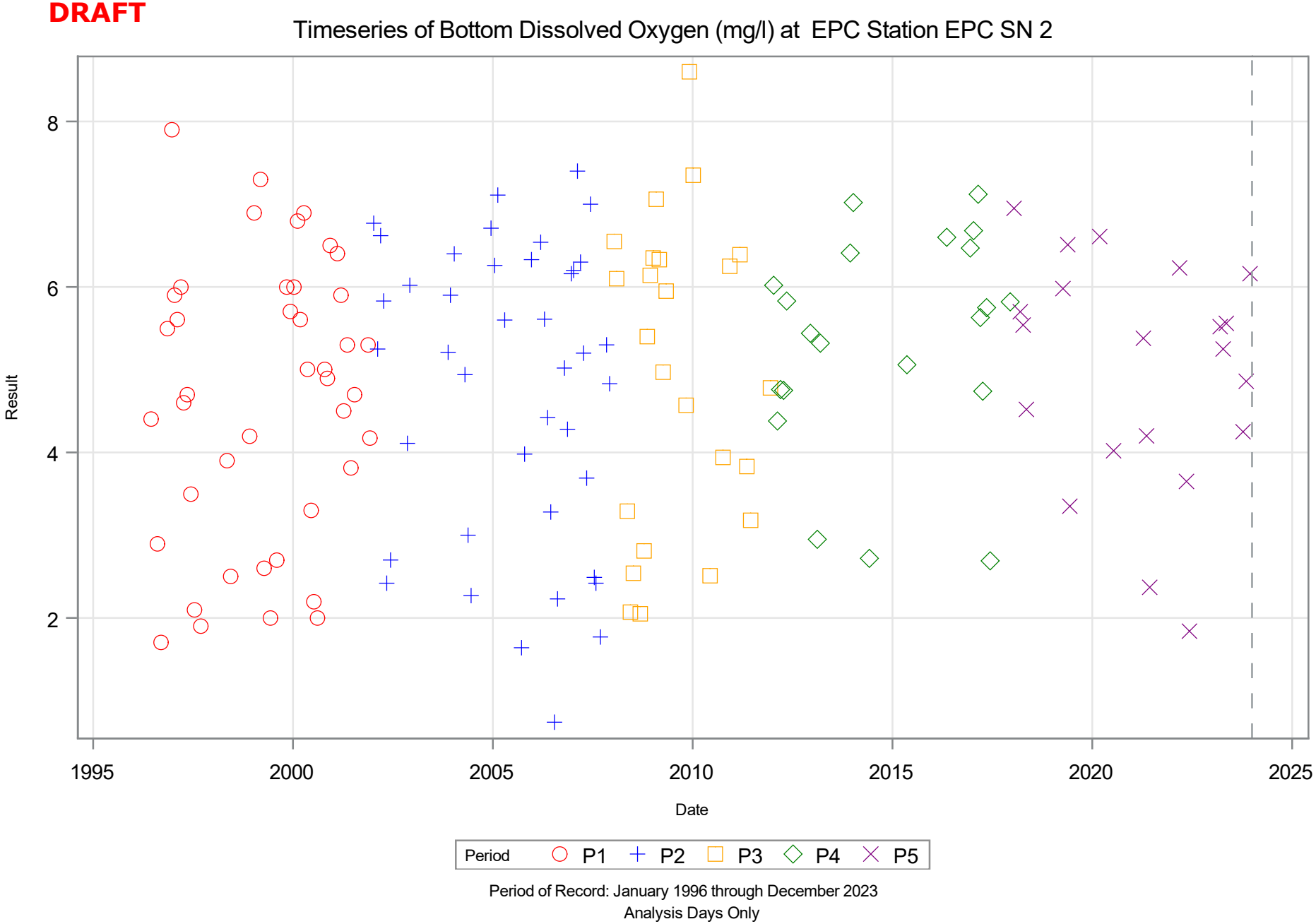
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	3.47	4.36	5.80	5.48	6.50	9.72
P4	21	2.52	5.08	6.33	6.18	7.20	10.85
P5	21	2.73	4.43	5.67	5.72	6.35	10.87

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

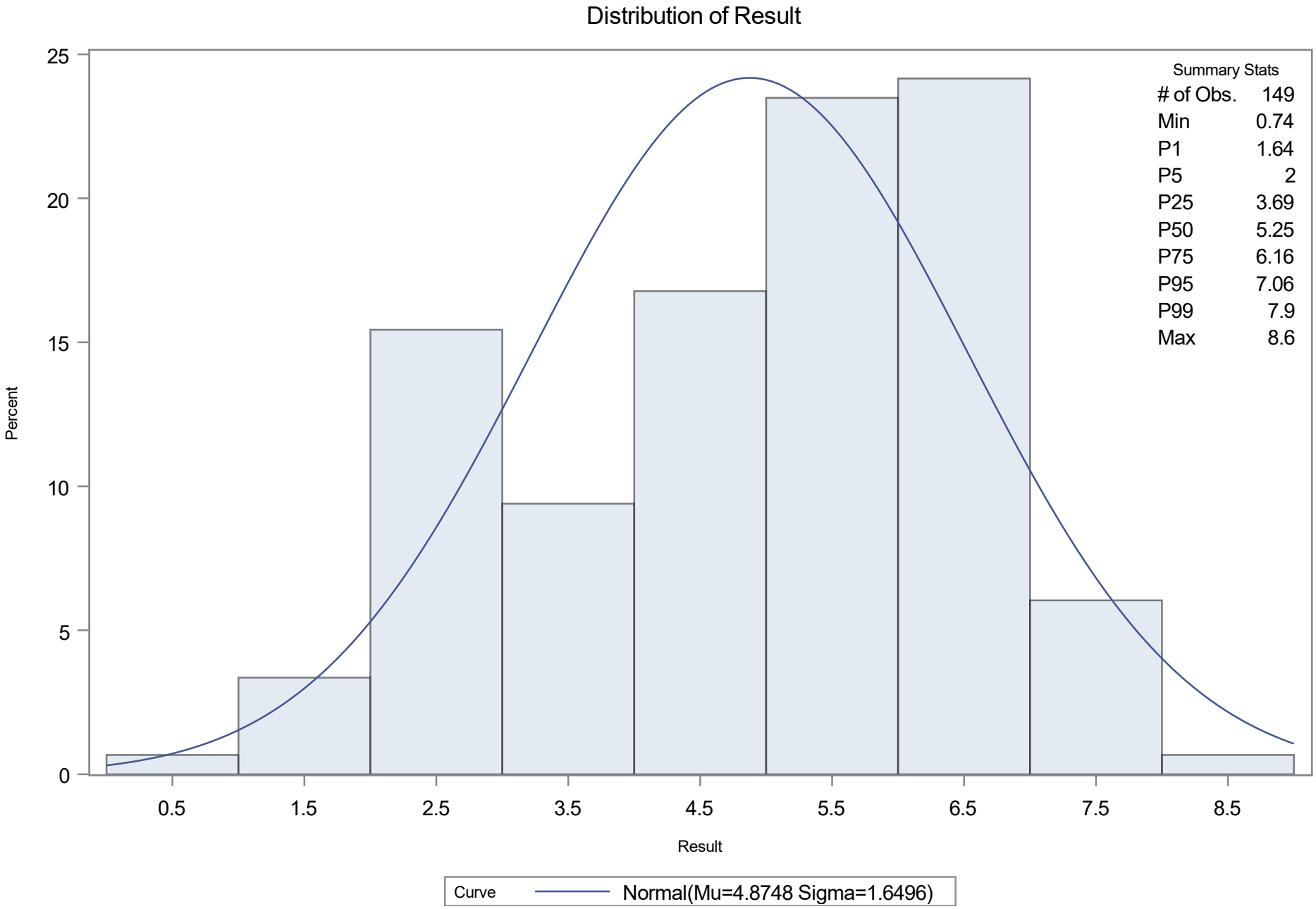

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 176
Result
10
8
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 2
Result
8
6
4
2
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.874832
Std Dev	Sigma	1.649646

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09490925	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.38504081	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.37536455	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.64000	1.03718
5.0	2.00000	2.16141
10.0	2.37000	2.76073
25.0	3.69000	3.76216
50.0	5.25000	4.87483
75.0	6.16000	5.98750
90.0	6.77000	6.98894
95.0	7.06000	7.58826
99.0	7.90000	8.71248

Period of Record: January 1996 through December 2023
Analysis Days Only

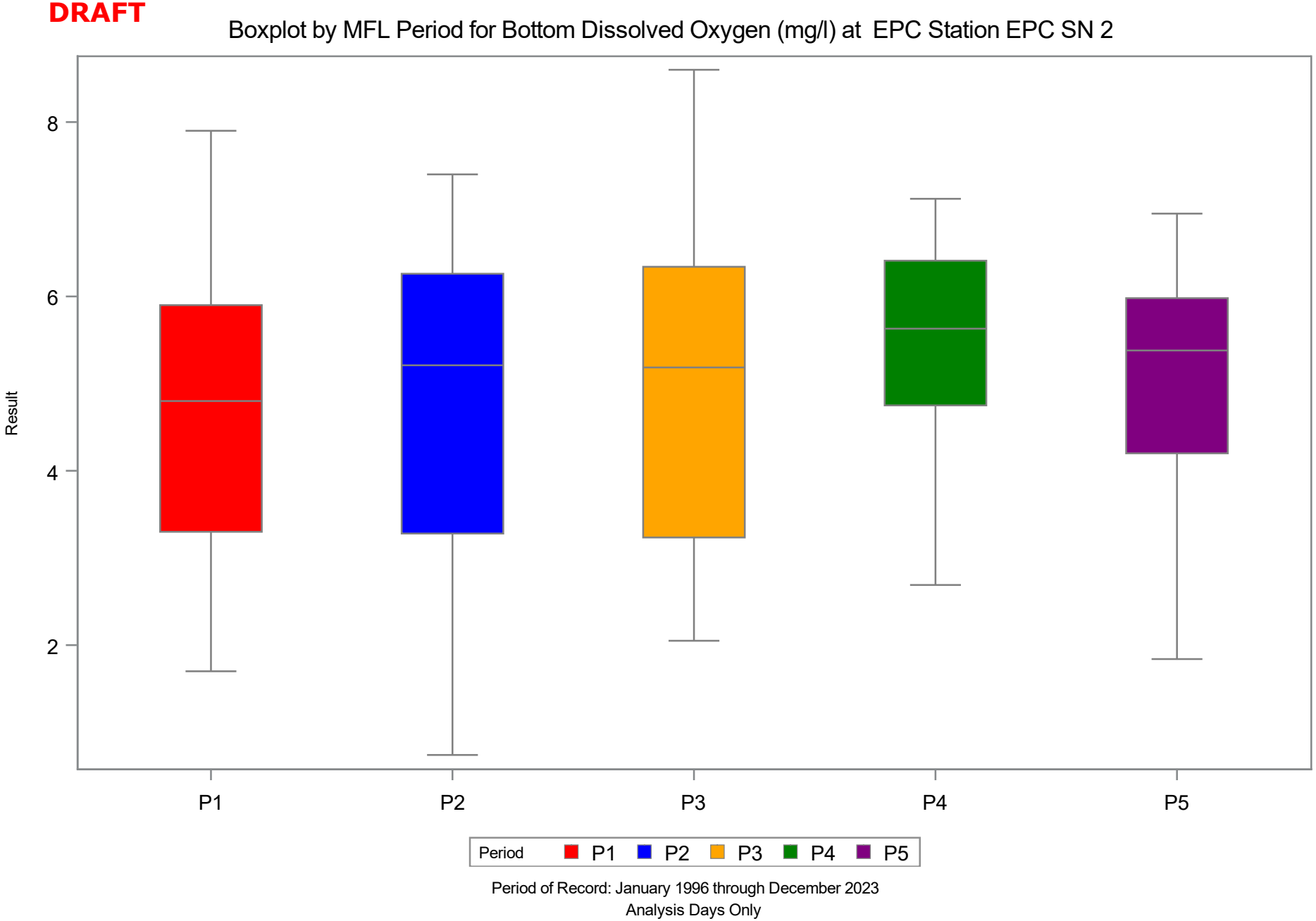
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 2

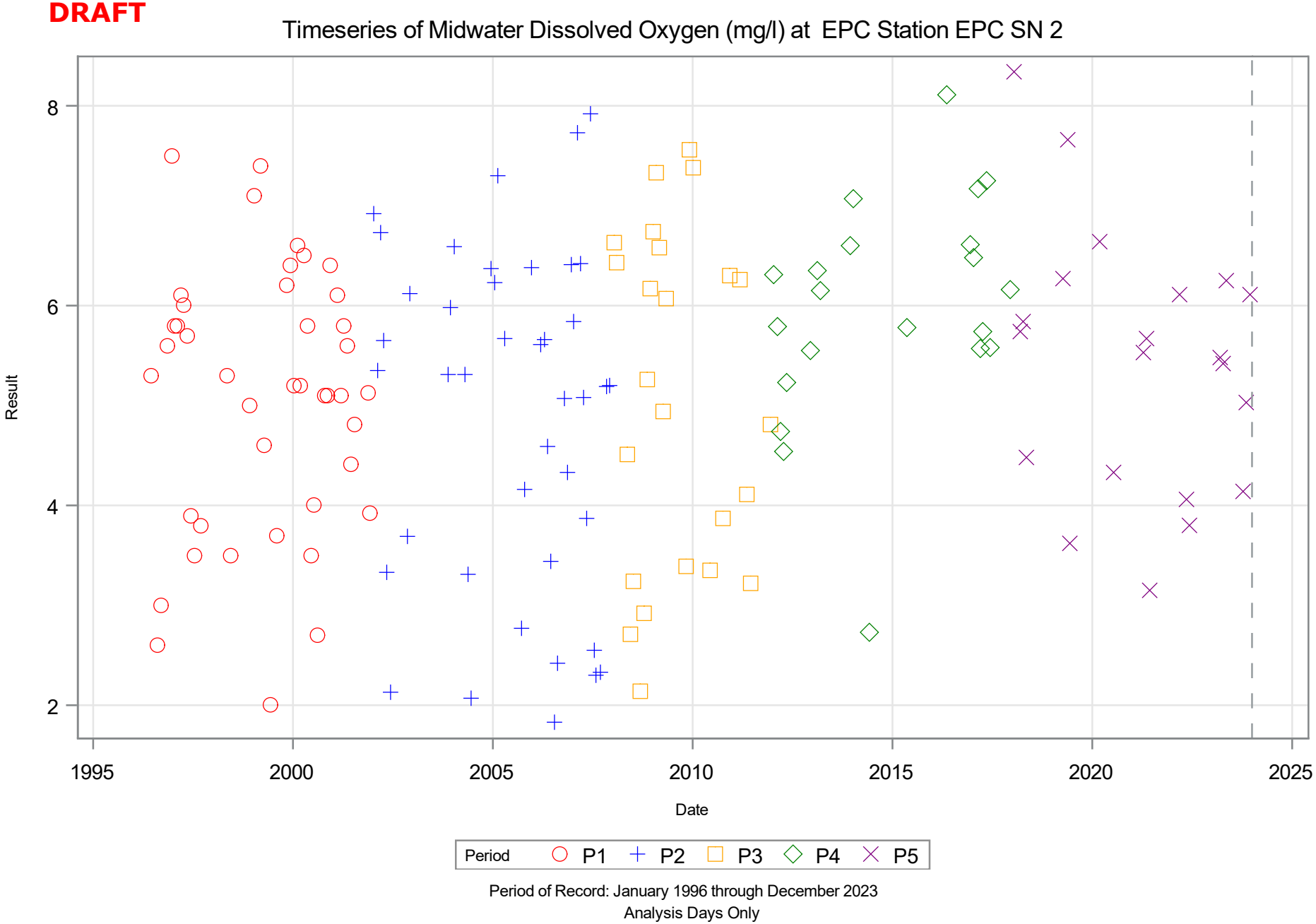
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	1.70	3.30	4.64	4.80	5.90	7.90
P2	41	0.74	3.28	4.78	5.21	6.26	7.40
P3	24	2.05	3.24	4.96	5.19	6.34	8.60
P4	21	2.69	4.75	5.34	5.63	6.41	7.12
P5	21	1.84	4.20	4.97	5.38	5.98	6.95

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 2
Result
8
6
4
2
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

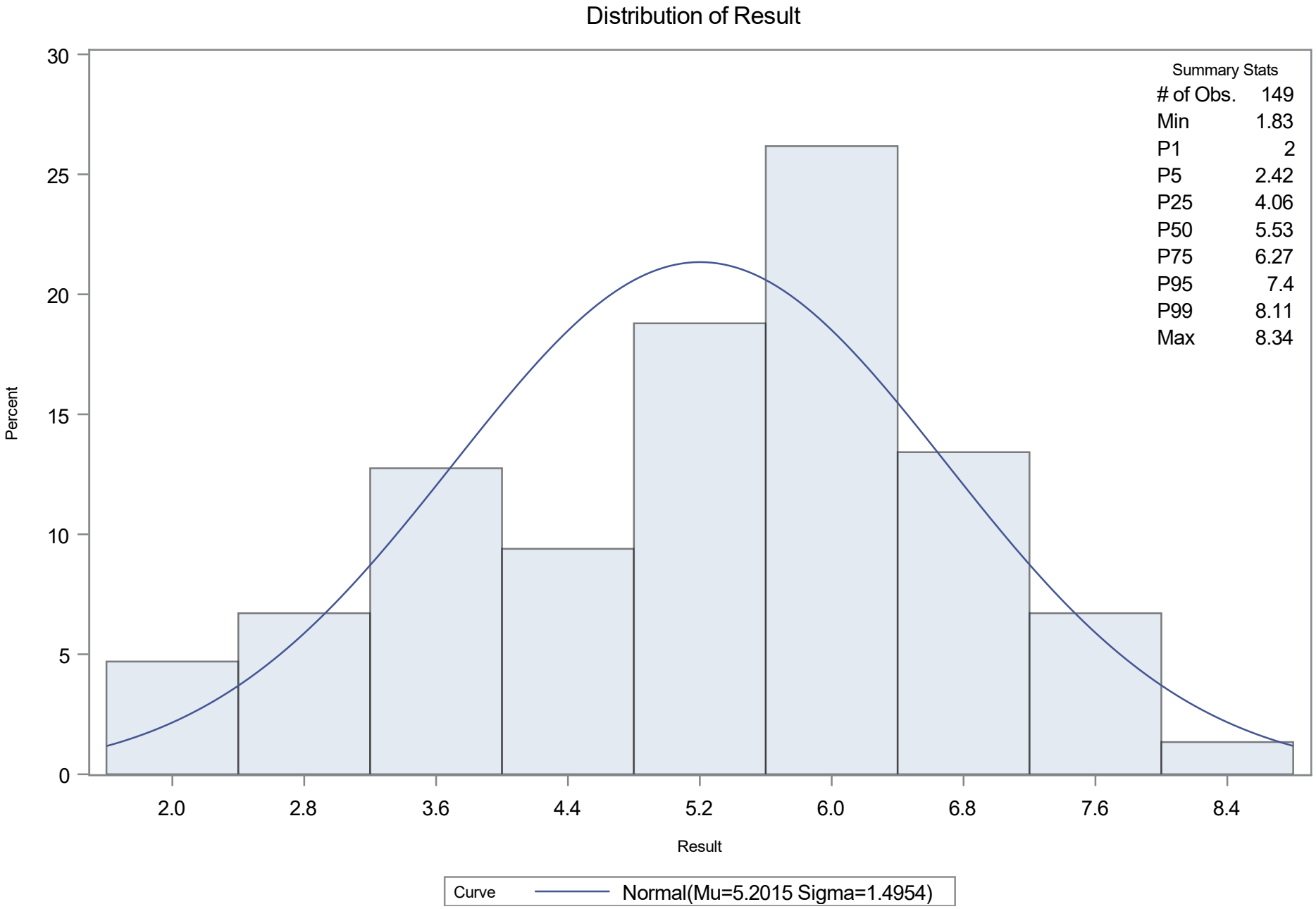
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.201544
Std Dev	Sigma	1.495389

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09582427	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.30180890	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.62992547	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	1.72275
5.0	2.42000	2.74185
10.0	2.92000	3.28513
25.0	4.06000	4.19292
50.0	5.53000	5.20154
75.0	6.27000	6.21017
90.0	7.07000	7.11796
95.0	7.40000	7.66124
99.0	8.11000	8.68034

Period of Record: January 1996 through December 2023
Analysis Days Only

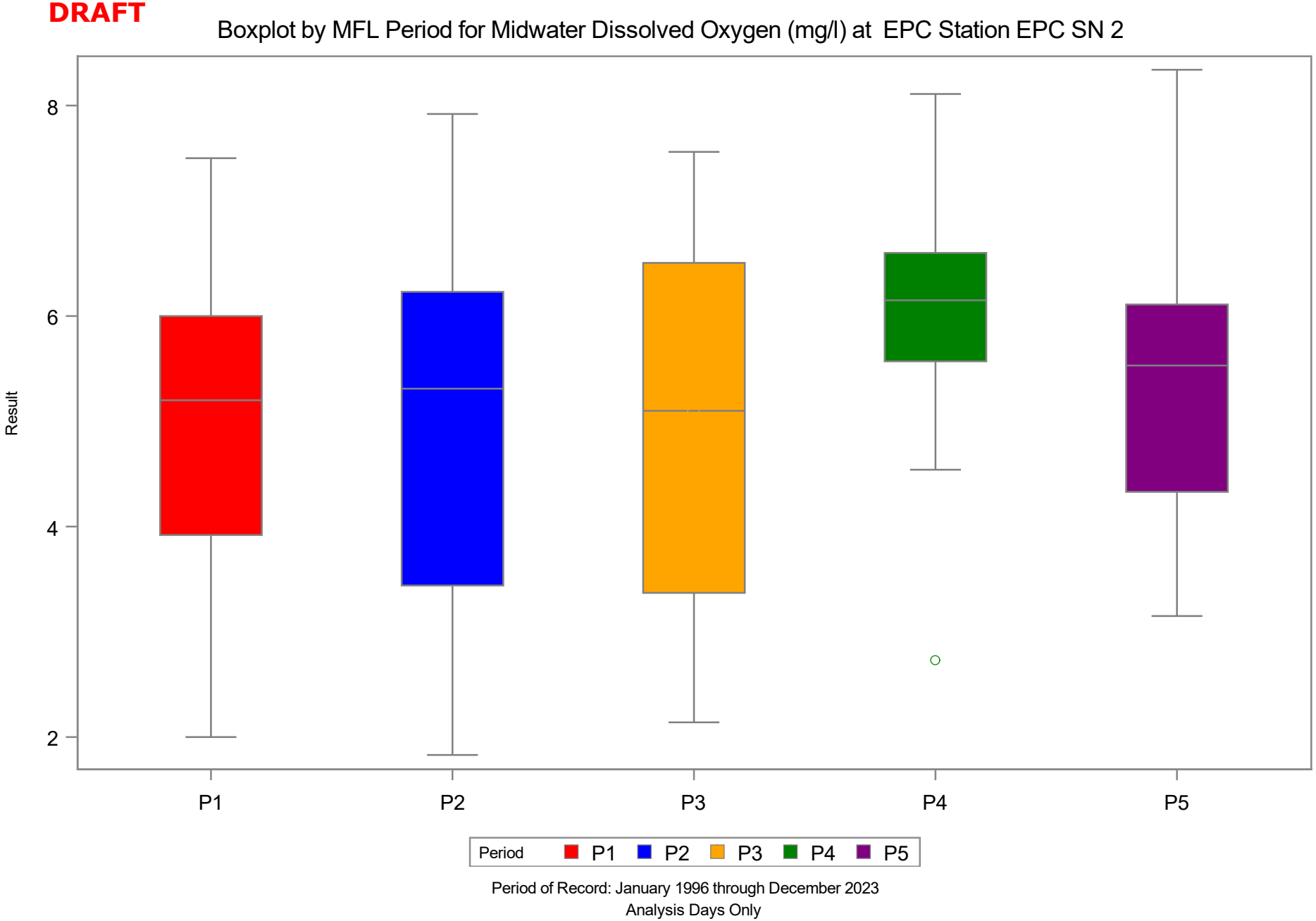
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 2

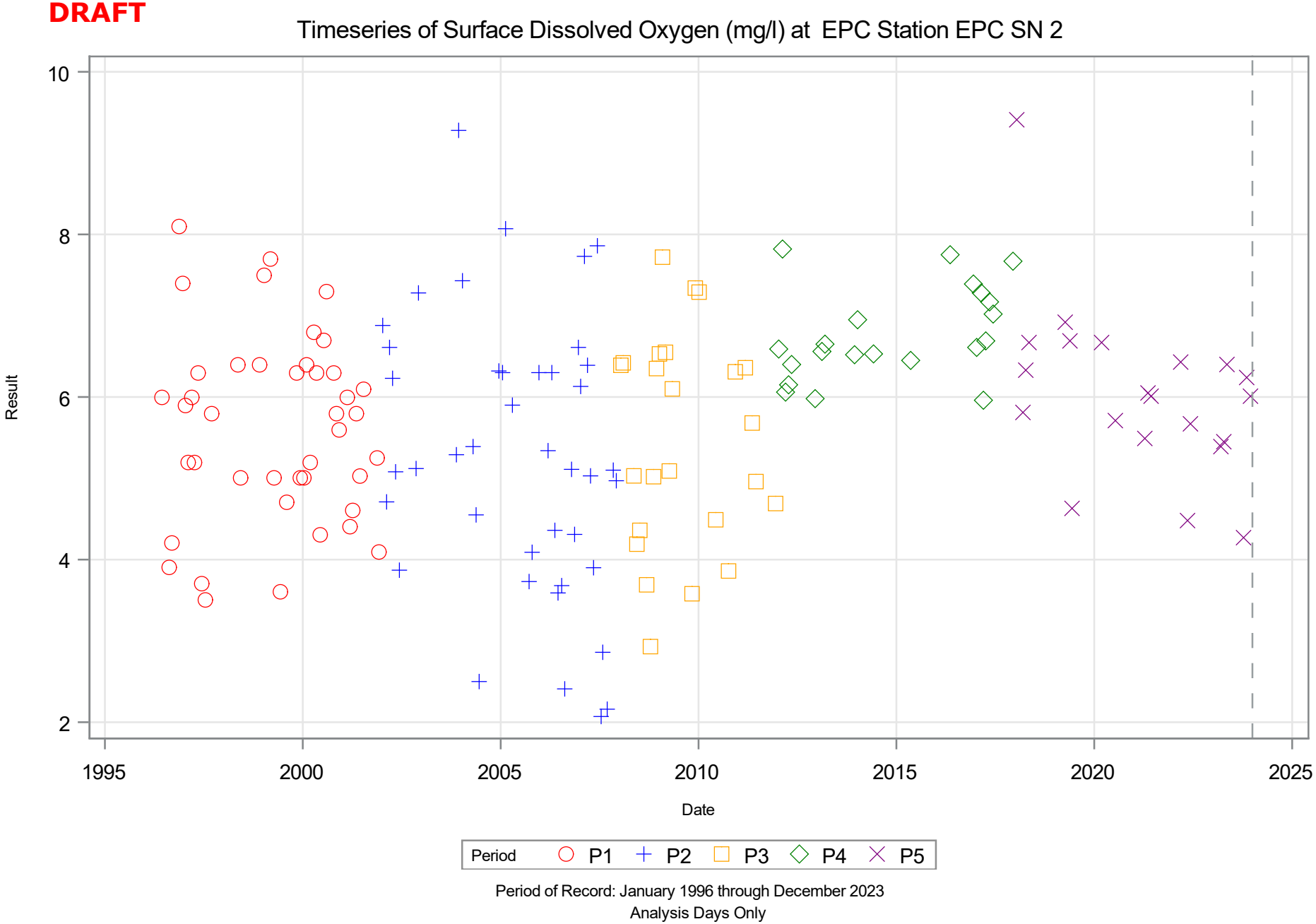
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	2.00	3.92	5.07	5.20	6.00	7.50
P2	41	1.83	3.44	4.91	5.31	6.23	7.92
P3	24	2.14	3.37	5.08	5.10	6.51	7.56
P4	21	2.73	5.57	5.98	6.15	6.60	8.11
P5	21	3.15	4.33	5.41	5.53	6.11	8.34

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

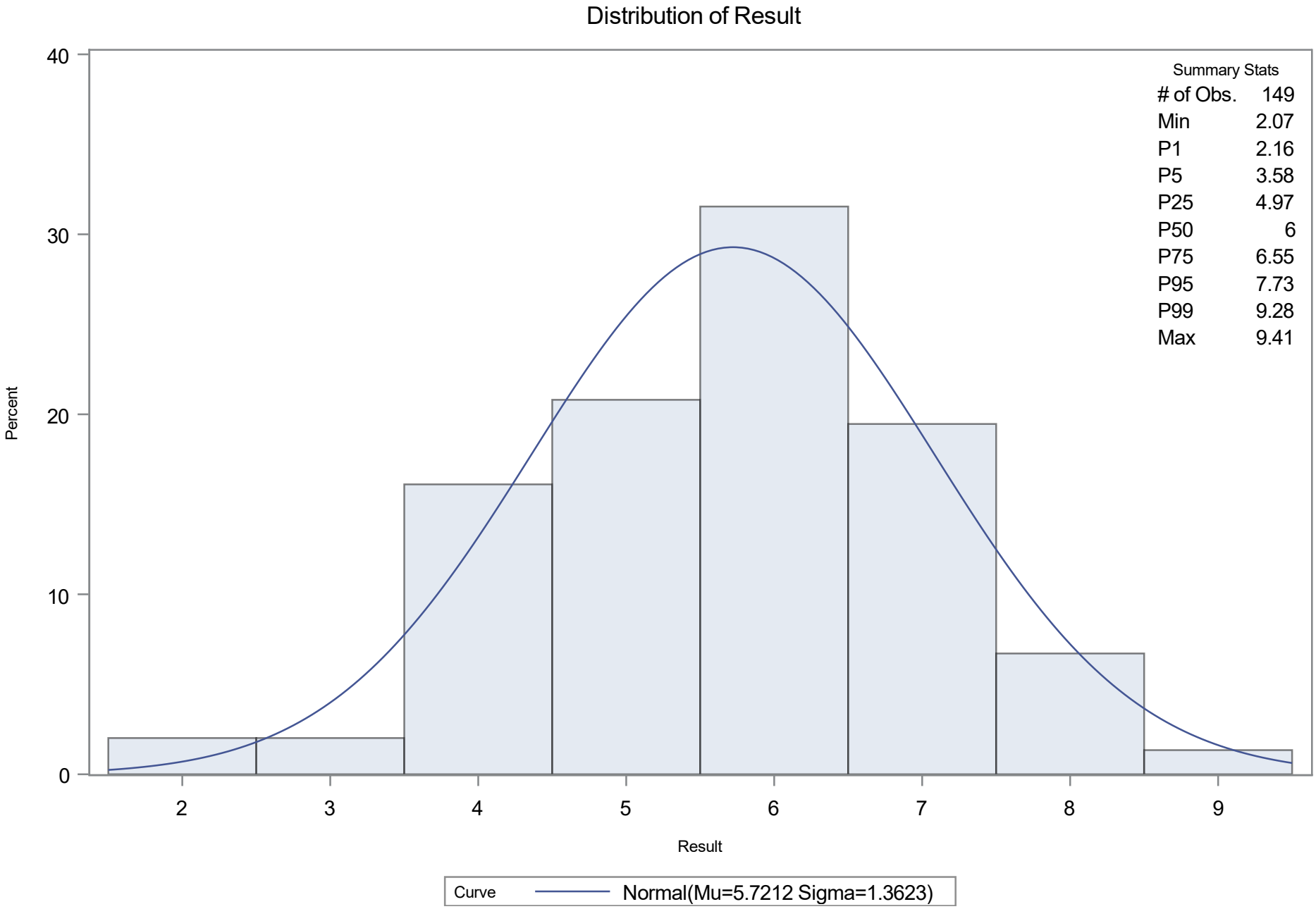

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 2
Result
8
6
4
2
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 2
Result
10
8
6
4
2
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.721208
Std Dev	Sigma	1.362315

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09306169	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21548753	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.10269857	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.16000	2.55199
5.0	3.58000	3.48040
10.0	3.86000	3.97533
25.0	4.97000	4.80234
50.0	6.00000	5.72121
75.0	6.55000	6.64008
90.0	7.39000	7.46708
95.0	7.73000	7.96202
99.0	9.28000	8.89043

Period of Record: January 1996 through December 2023
Analysis Days Only

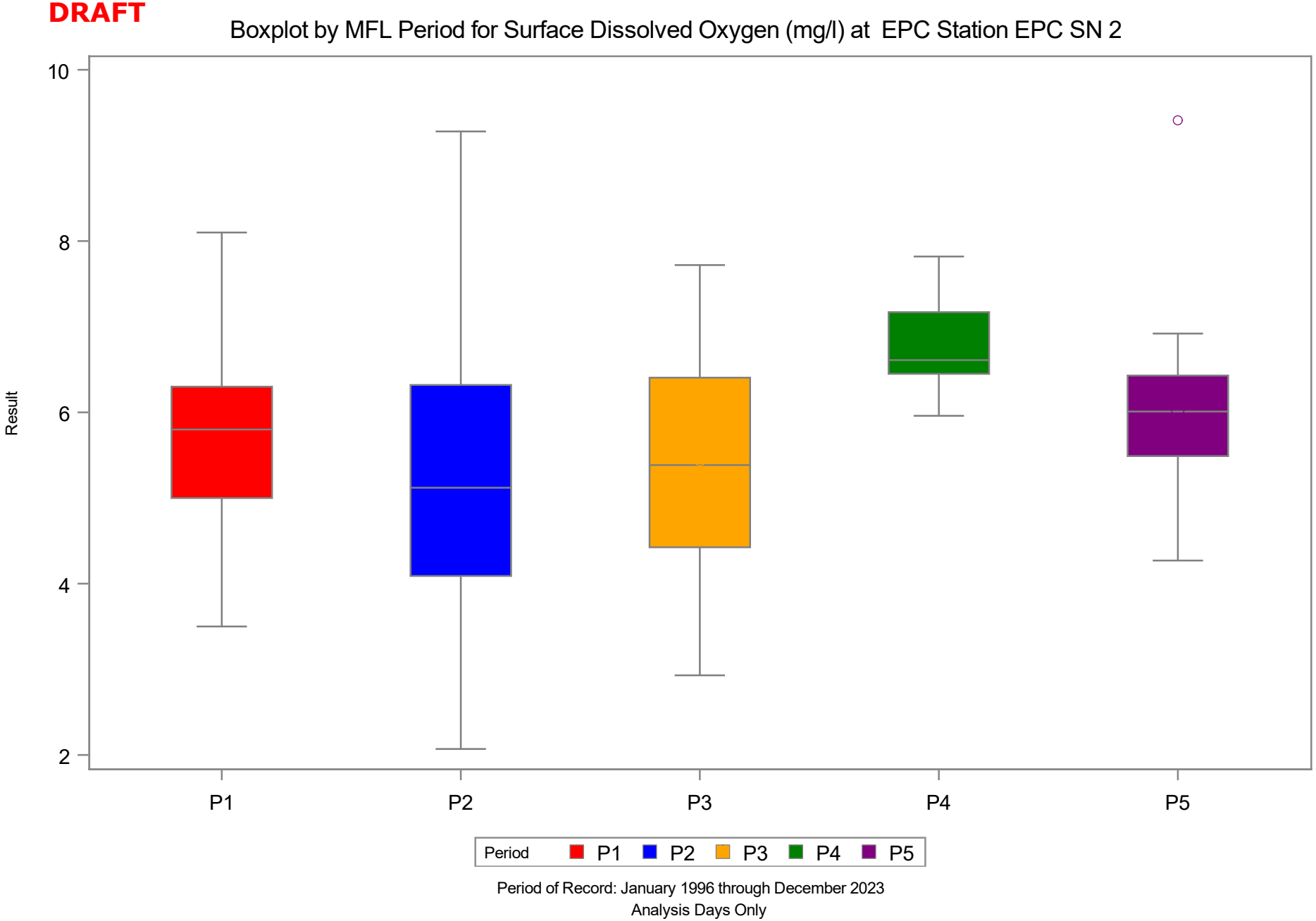
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 2

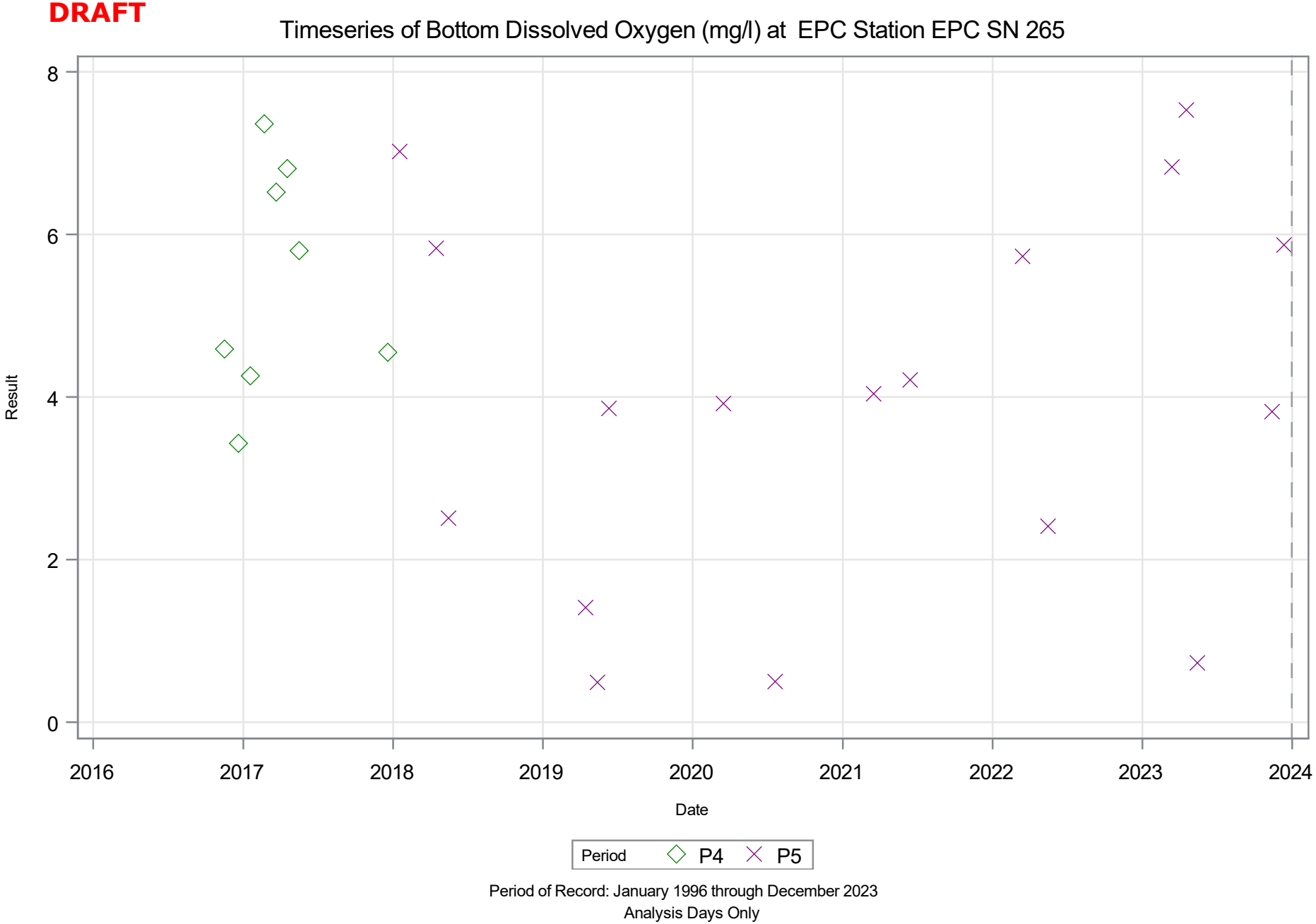
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	3.50	5.00	5.61	5.80	6.30	8.10
P2	41	2.07	4.09	5.29	5.12	6.32	9.28
P3	24	2.93	4.43	5.46	5.39	6.41	7.72
P4	21	5.96	6.45	6.77	6.61	7.17	7.82
P5	21	4.27	5.49	6.03	6.01	6.43	9.41

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 2
Result
10
8
6
4
2
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

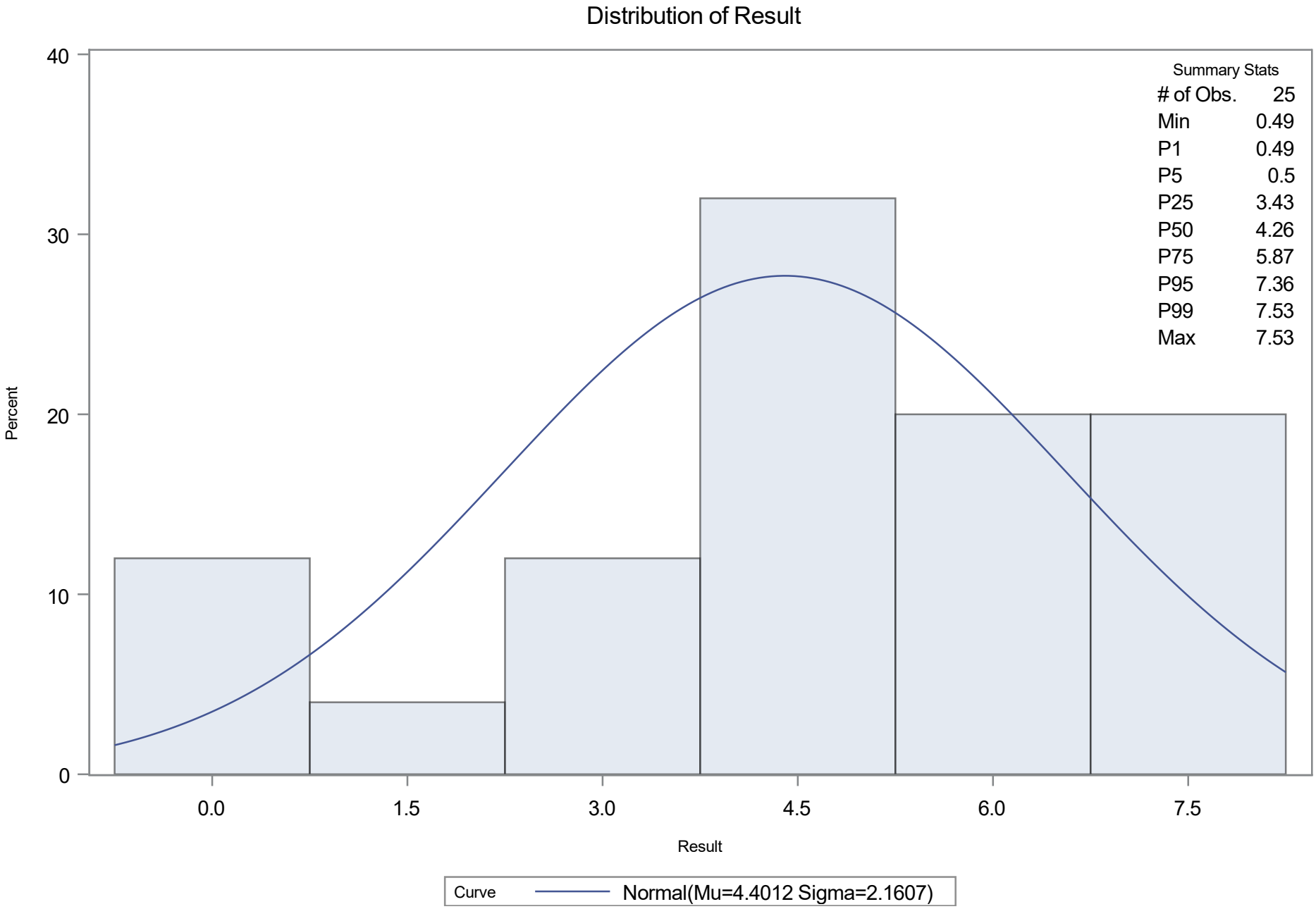
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.4012
Std Dev	Sigma	2.160705

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13071755	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06277688	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.45767861	**Pr > A-Sq**	0.247

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.49000	-0.62535
5.0	0.50000	0.84716
10.0	0.73000	1.63215
25.0	3.43000	2.94383
50.0	4.26000	4.40120
75.0	5.87000	5.85857
90.0	7.02000	7.17025
95.0	7.36000	7.95524
99.0	7.53000	9.42775

Period of Record: January 1996 through December 2023
Analysis Days Only

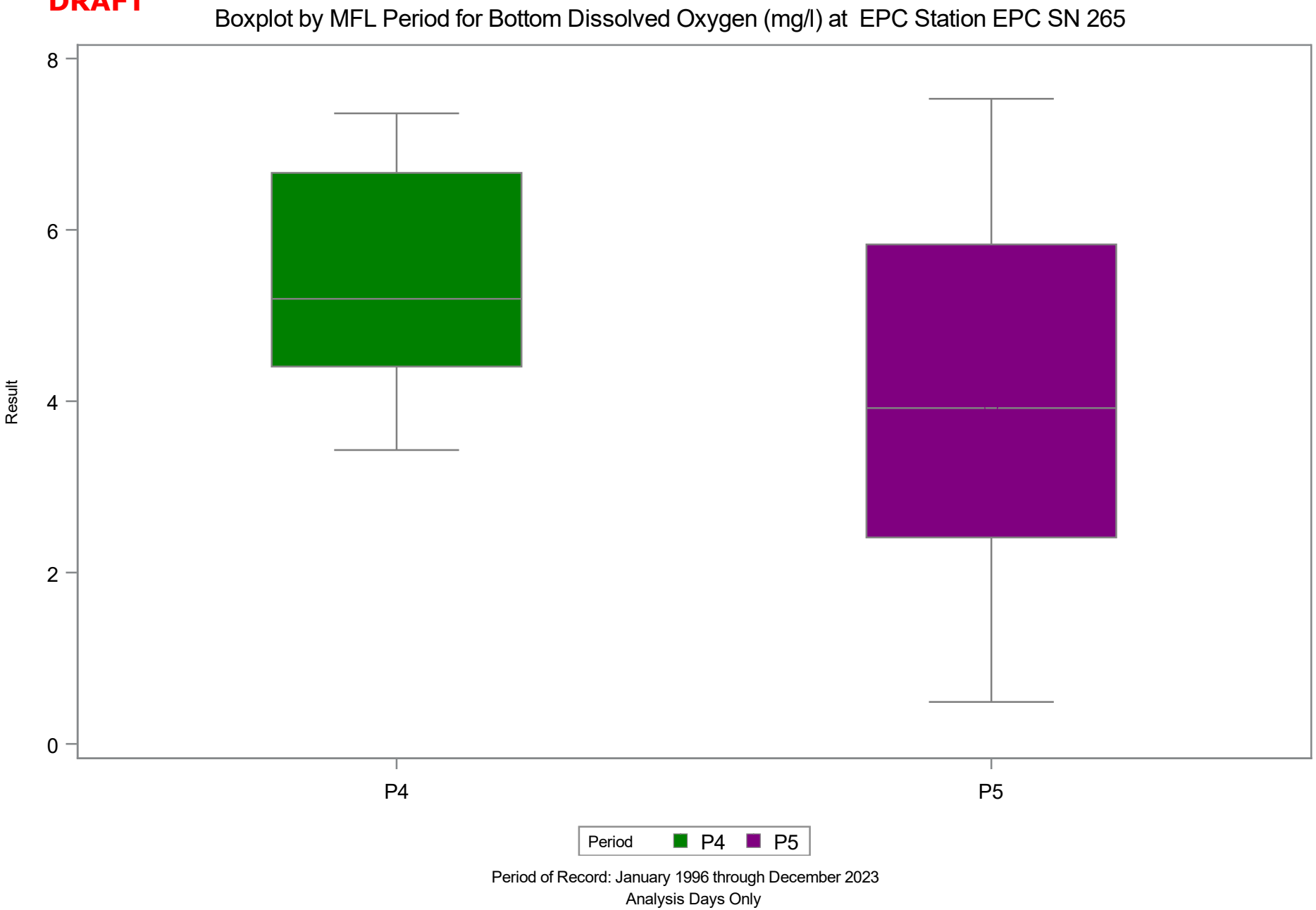
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 265

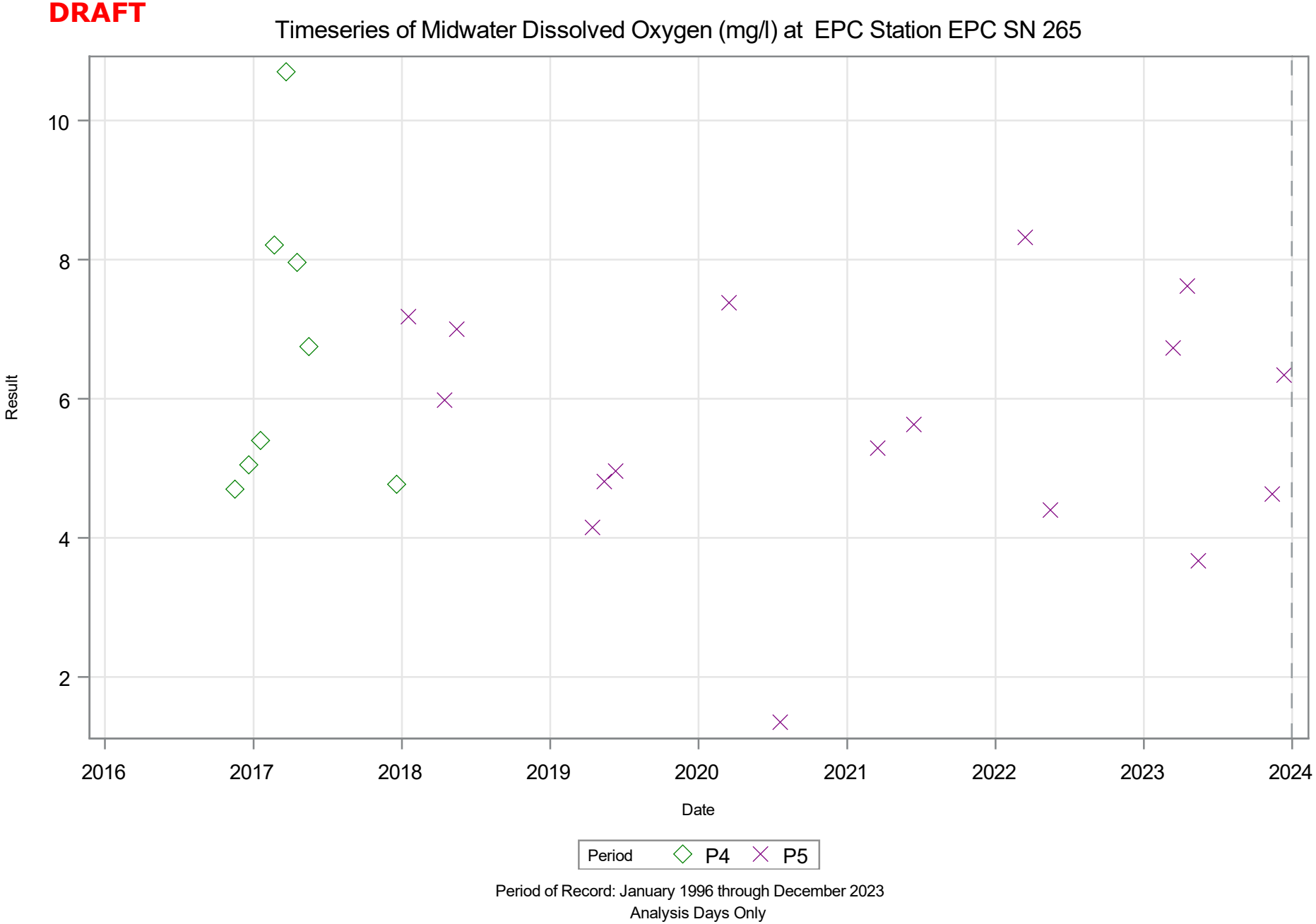
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	3.43	4.41	5.41	5.20	6.67	7.36
P5	17	0.49	2.41	3.92	3.92	5.83	7.53

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 265
Result
8
6
4
2
0
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

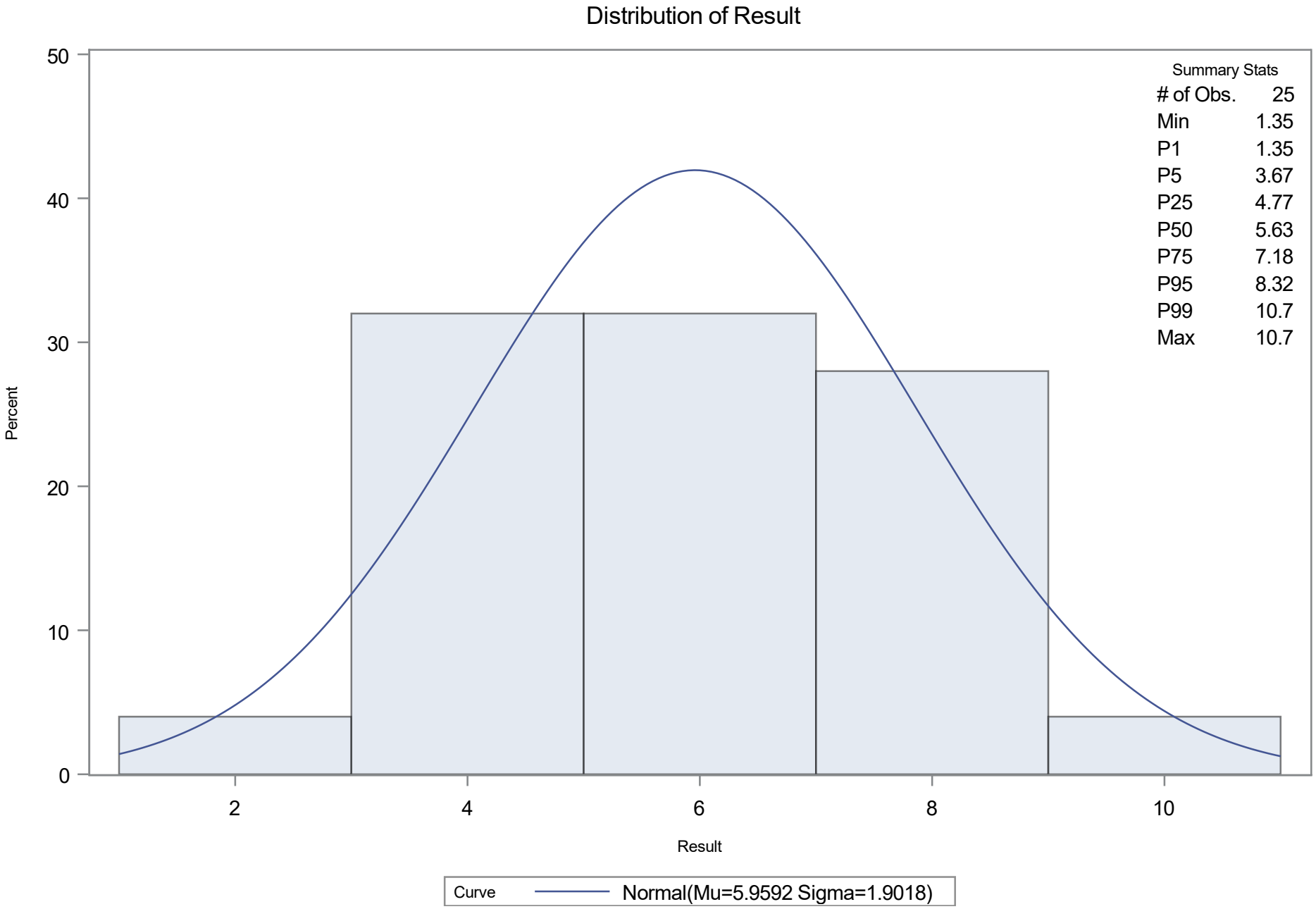
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.9592
Std Dev	Sigma	1.901797

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09563544	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04676993	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33243508	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.35000	1.53496
5.0	3.67000	2.83102
10.0	4.15000	3.52195
25.0	4.77000	4.67646
50.0	5.63000	5.95920
75.0	7.18000	7.24194
90.0	8.21000	8.39645
95.0	8.32000	9.08738
99.0	10.70000	10.38344

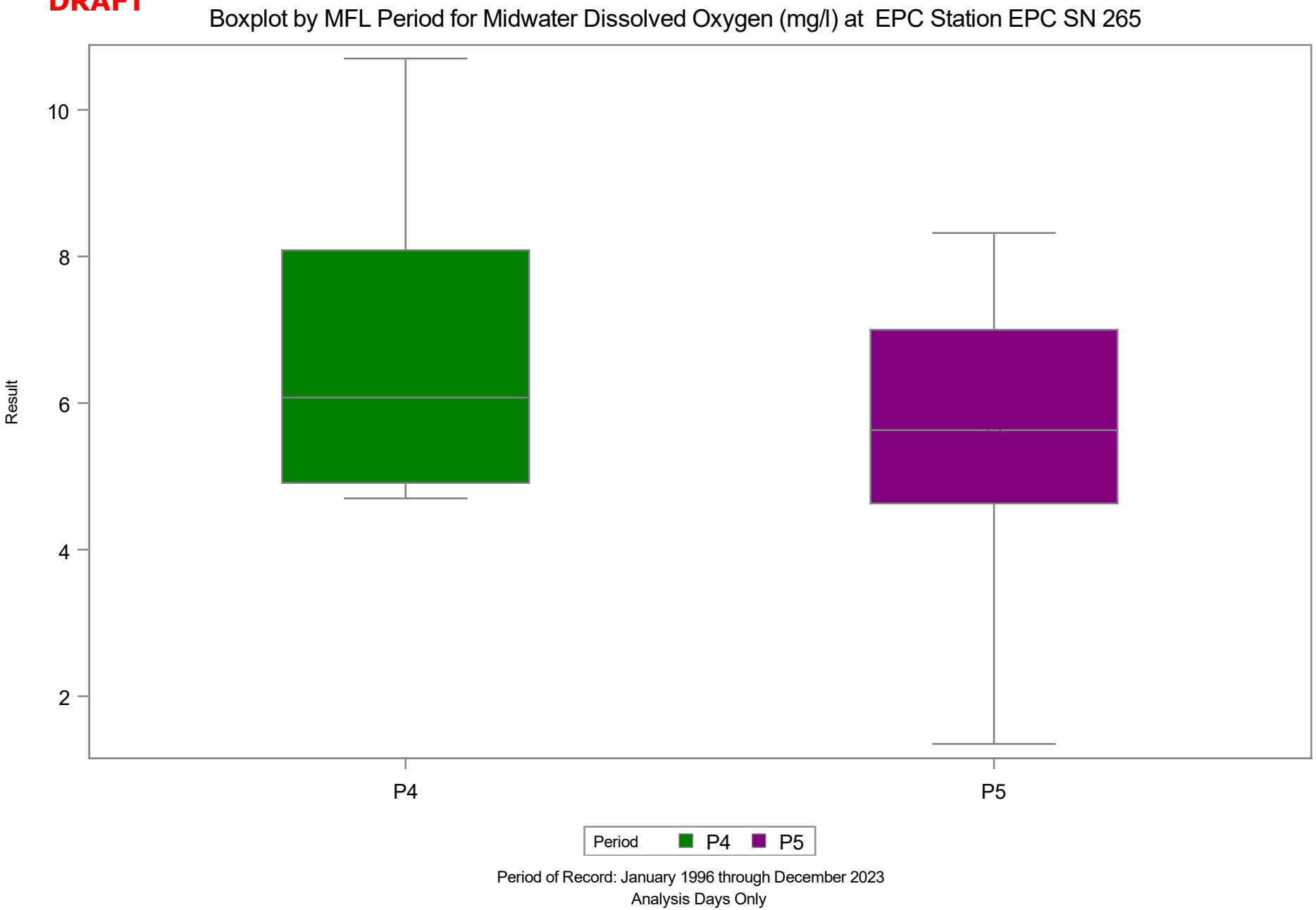
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 265**

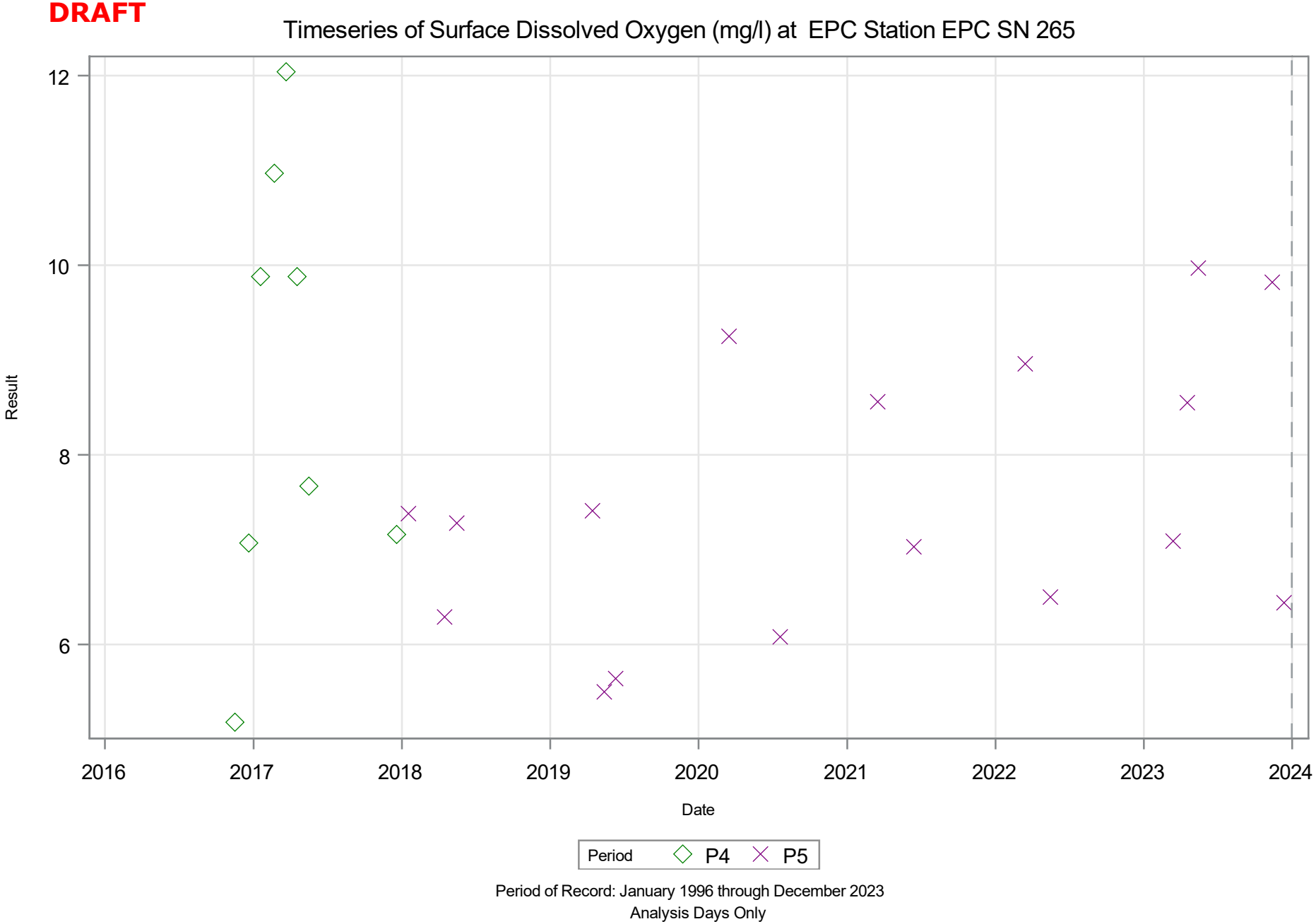
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	4.70	4.91	6.69	6.08	8.09	10.70
P5	17	1.35	4.63	5.61	5.63	7.00	8.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

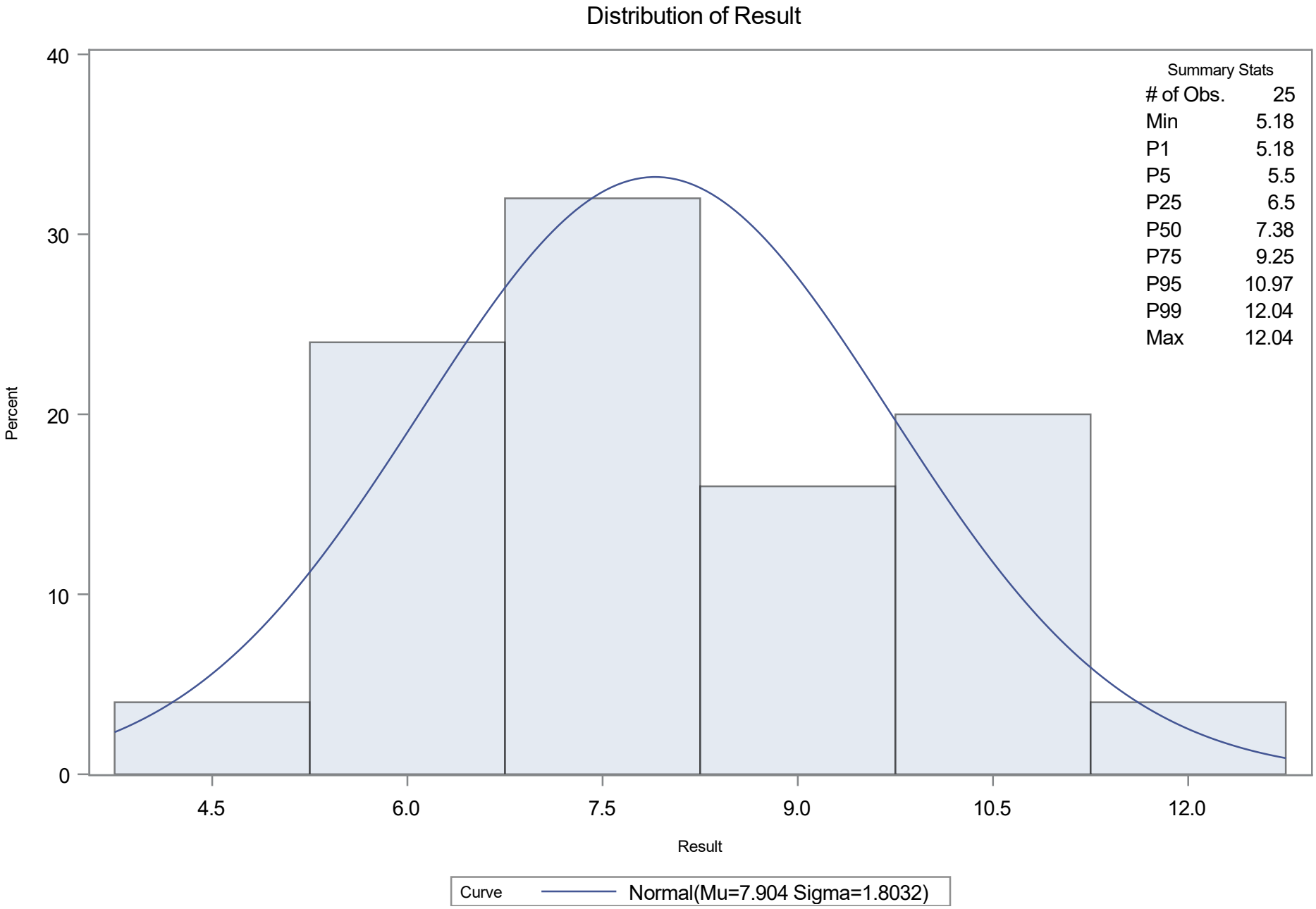

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 265
Result
10
8
6
4
2
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 265
Result
12
10
8
6
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.904
Std Dev	Sigma	1.803236

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16793925	**Pr > D**	0.069
Cramer-von Mises	**W-Sq**	0.09067111	**Pr > W-Sq**	0.144
Anderson-Darling	**A-Sq**	0.48741802	**Pr > A-Sq**	0.213

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.18000	3.70905
5.0	5.50000	4.93794
10.0	5.64000	5.59306
25.0	6.50000	6.68774
50.0	7.38000	7.90400
75.0	9.25000	9.12026
90.0	9.97000	10.21494
95.0	10.97000	10.87006
99.0	12.04000	12.09895

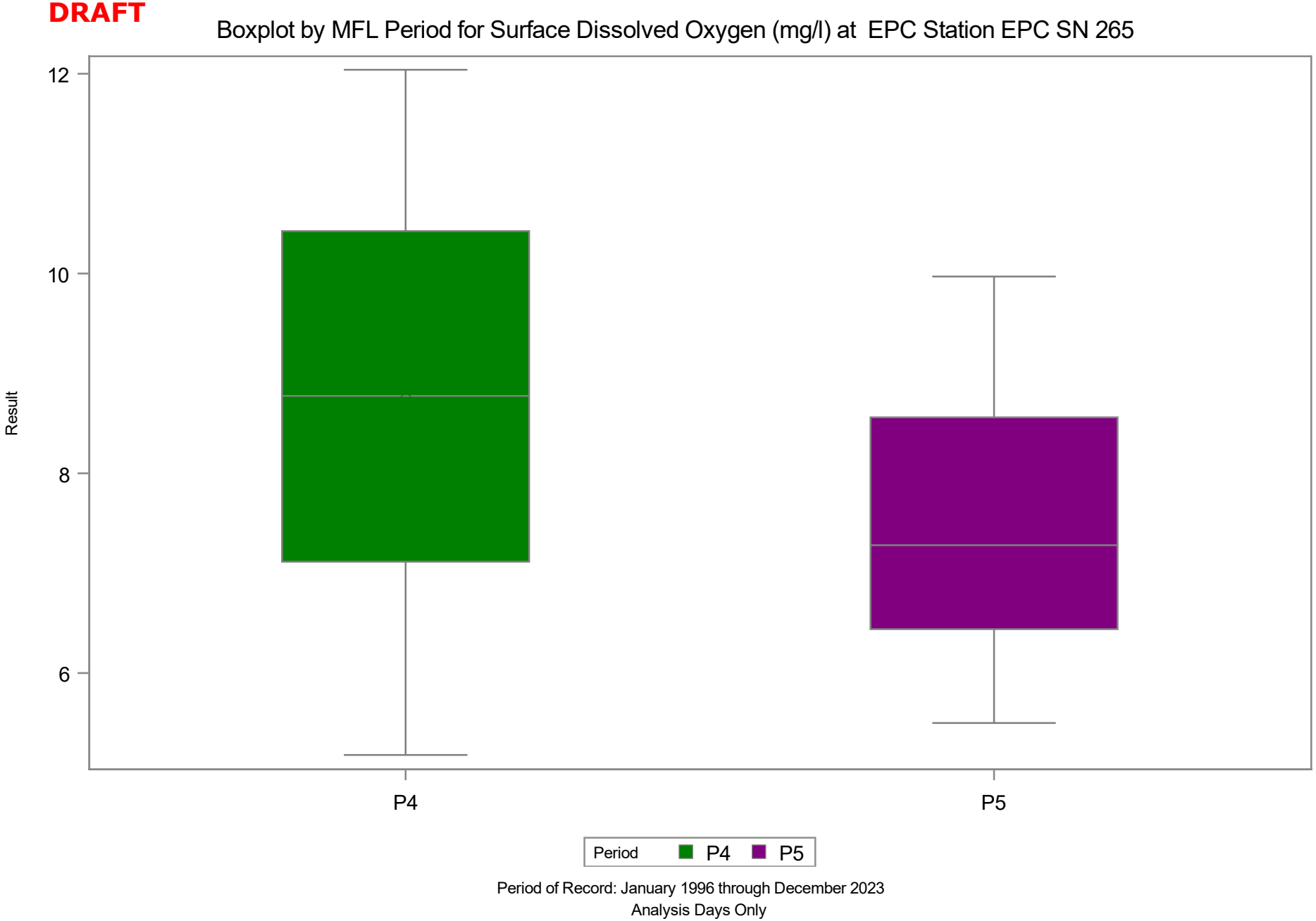
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 265**

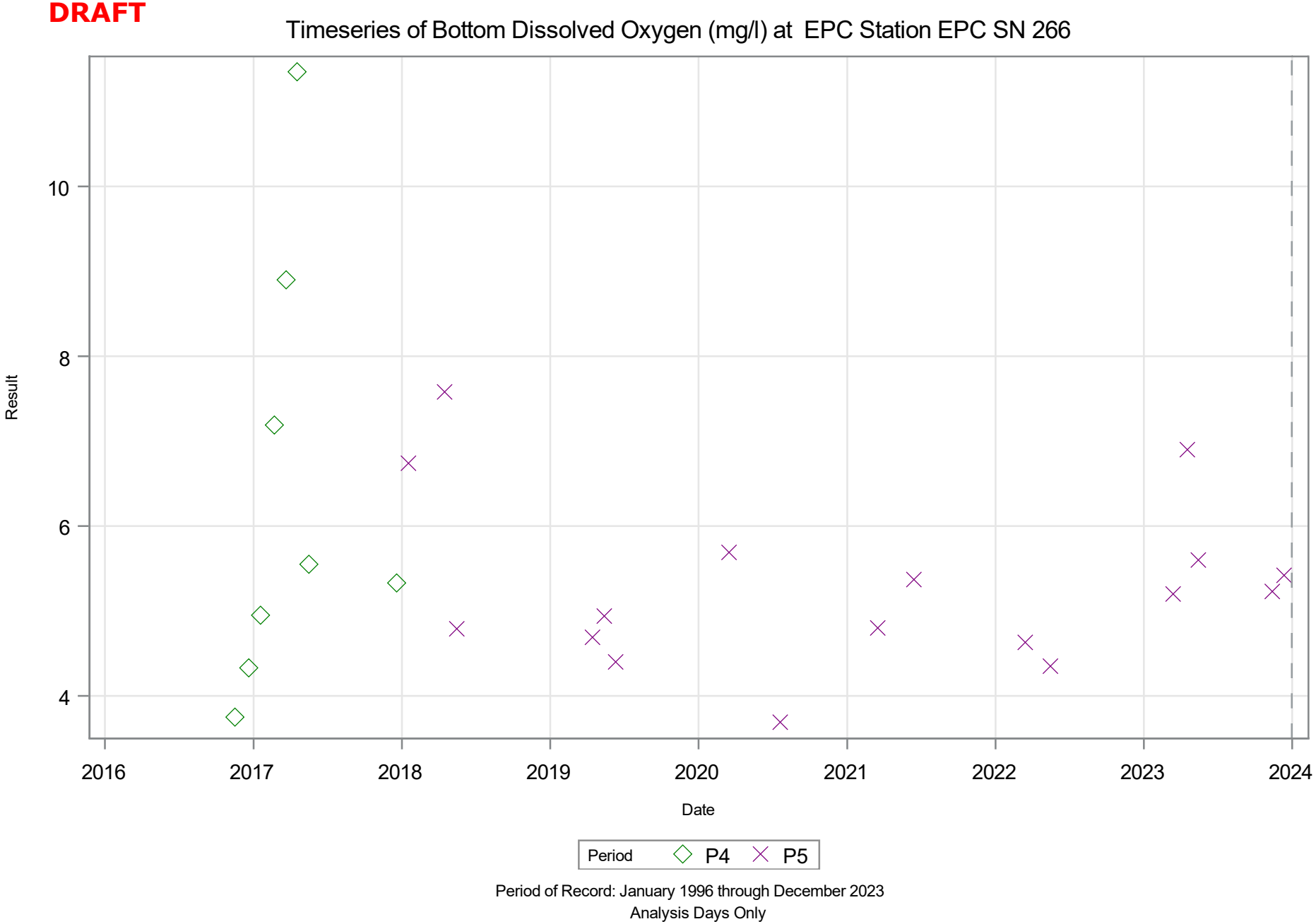
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	5.18	7.12	8.73	8.78	10.43	12.04
P5	17	5.50	6.44	7.51	7.28	8.56	9.97

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

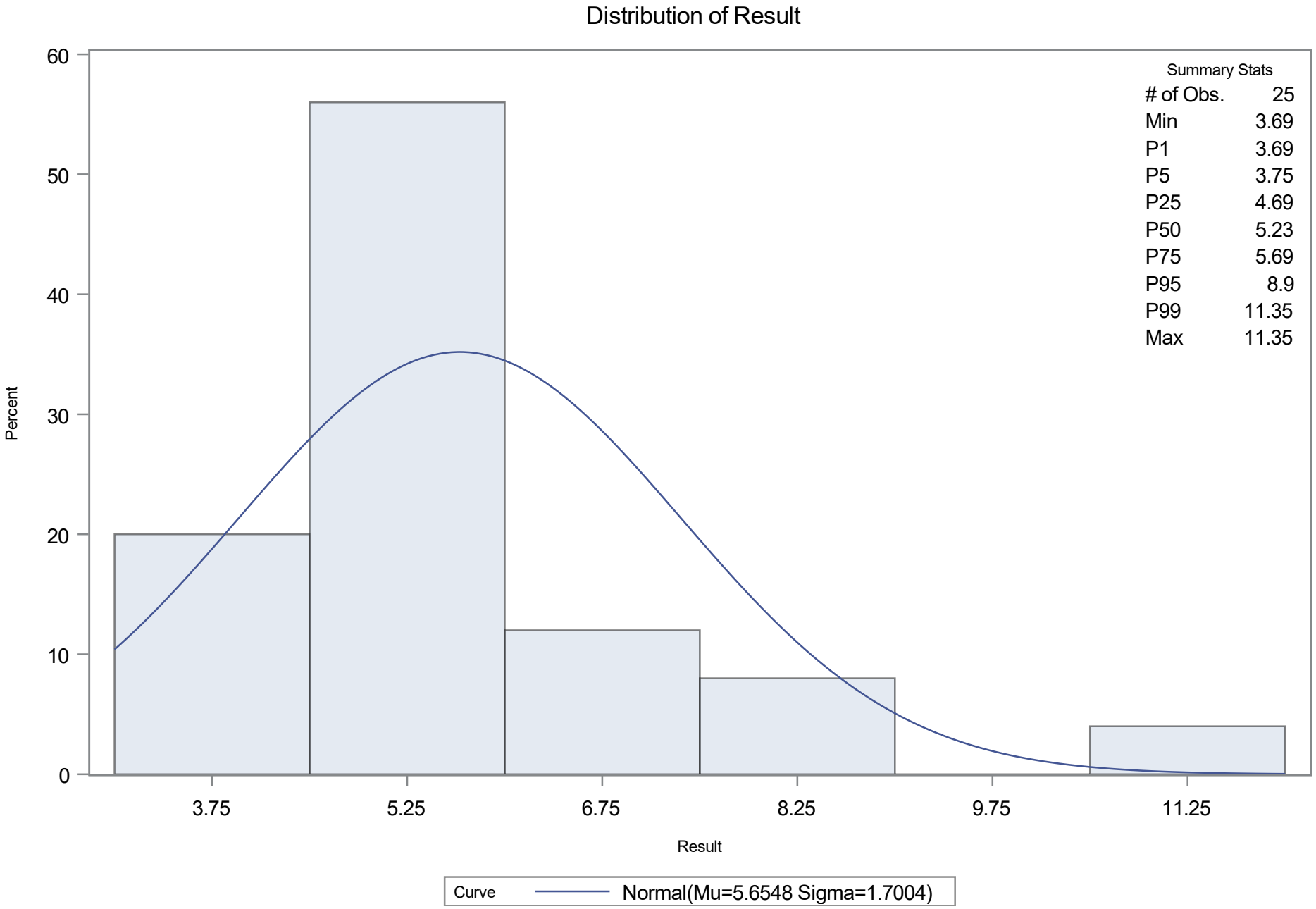

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 265
Result
12
10
8
6
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 266
Result
10
8
6
4
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.6548
Std Dev	Sigma	1.700373

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25174195	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27630515	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.51366824	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.69000	1.69914
5.0	3.75000	2.85794
10.0	4.33000	3.47568
25.0	4.69000	4.50792
50.0	5.23000	5.65480
75.0	5.69000	6.80168
90.0	7.58000	7.83392
95.0	8.90000	8.45166
99.0	11.35000	9.61046

Period of Record: January 1996 through December 2023
Analysis Days Only

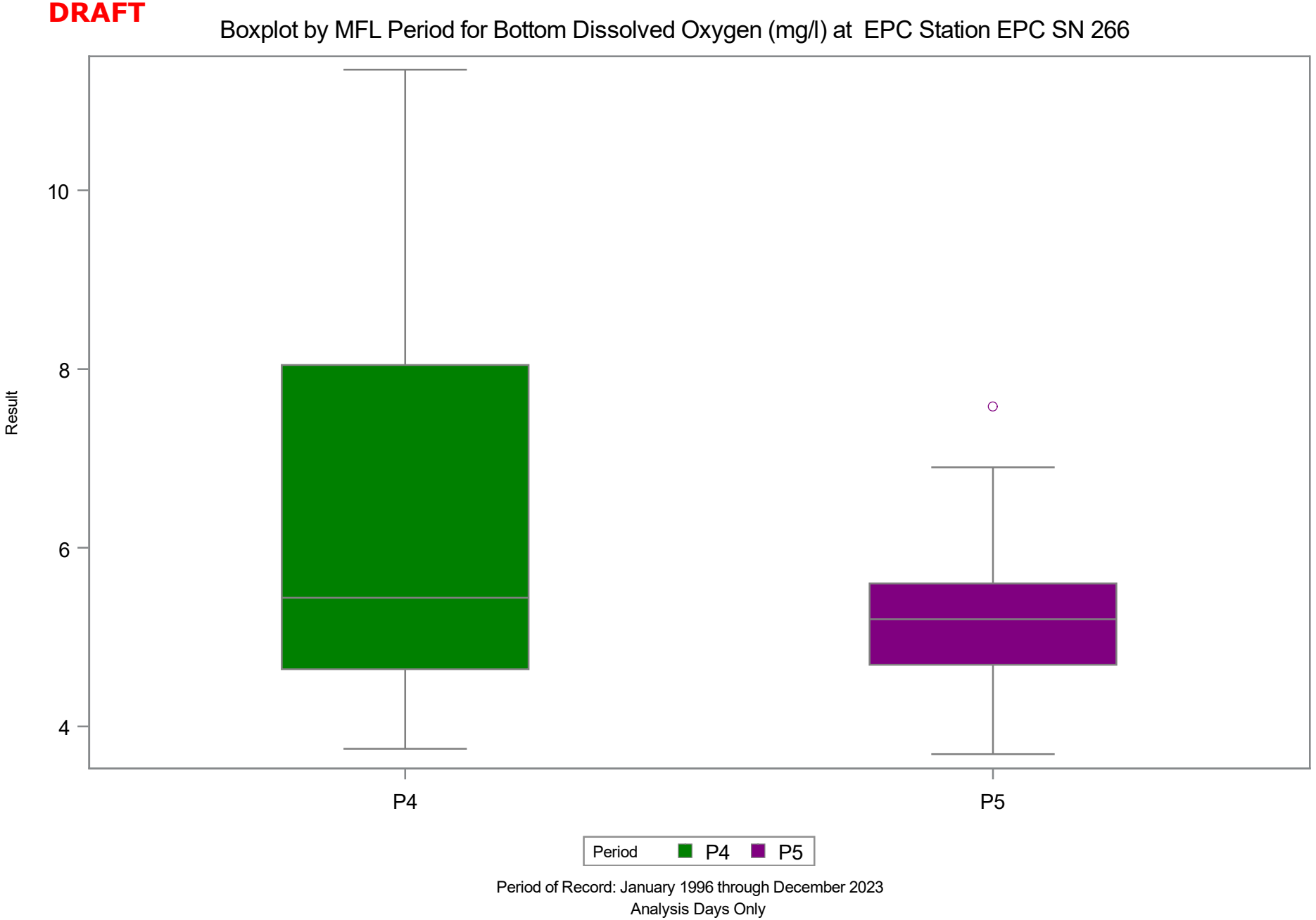
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 266

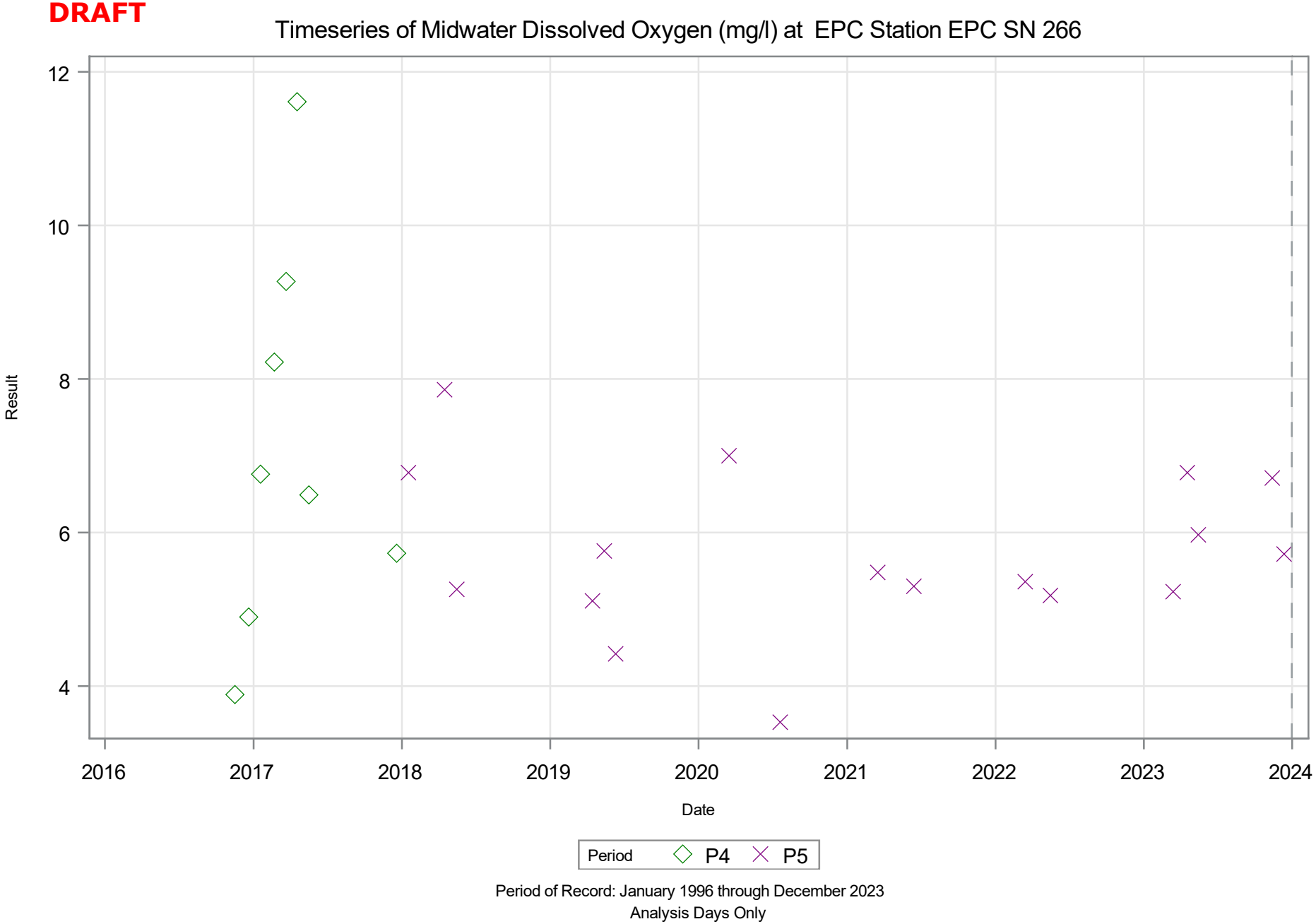
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	3.75	4.64	6.42	5.44	8.05	11.35
P5	17	3.69	4.69	5.30	5.20	5.60	7.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

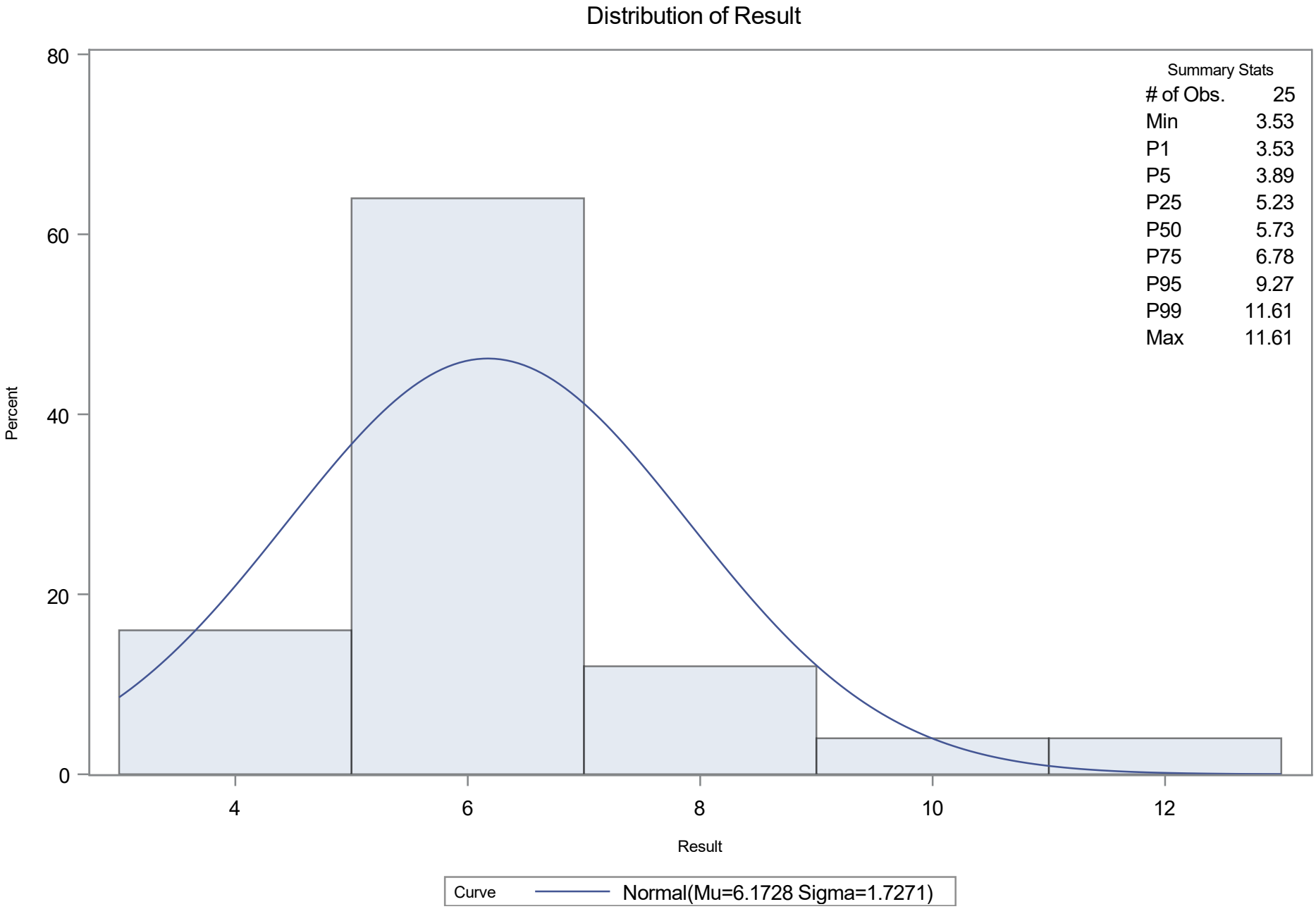

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 266
Result
10
8
6
4
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 266
Result
12
10
8
6
4
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.1728
Std Dev	Sigma	1.727104

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16257993	**Pr > D**	0.087
Cramer-von Mises	**W-Sq**	0.14876092	**Pr > W-Sq**	0.023
Anderson-Darling	**A-Sq**	0.86709007	**Pr > A-Sq**	0.023

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.53000	2.15496
5.0	3.89000	3.33197
10.0	4.42000	3.95943
25.0	5.23000	5.00789
50.0	5.73000	6.17280
75.0	6.78000	7.33771
90.0	8.22000	8.38617
95.0	9.27000	9.01363
99.0	11.61000	10.19064

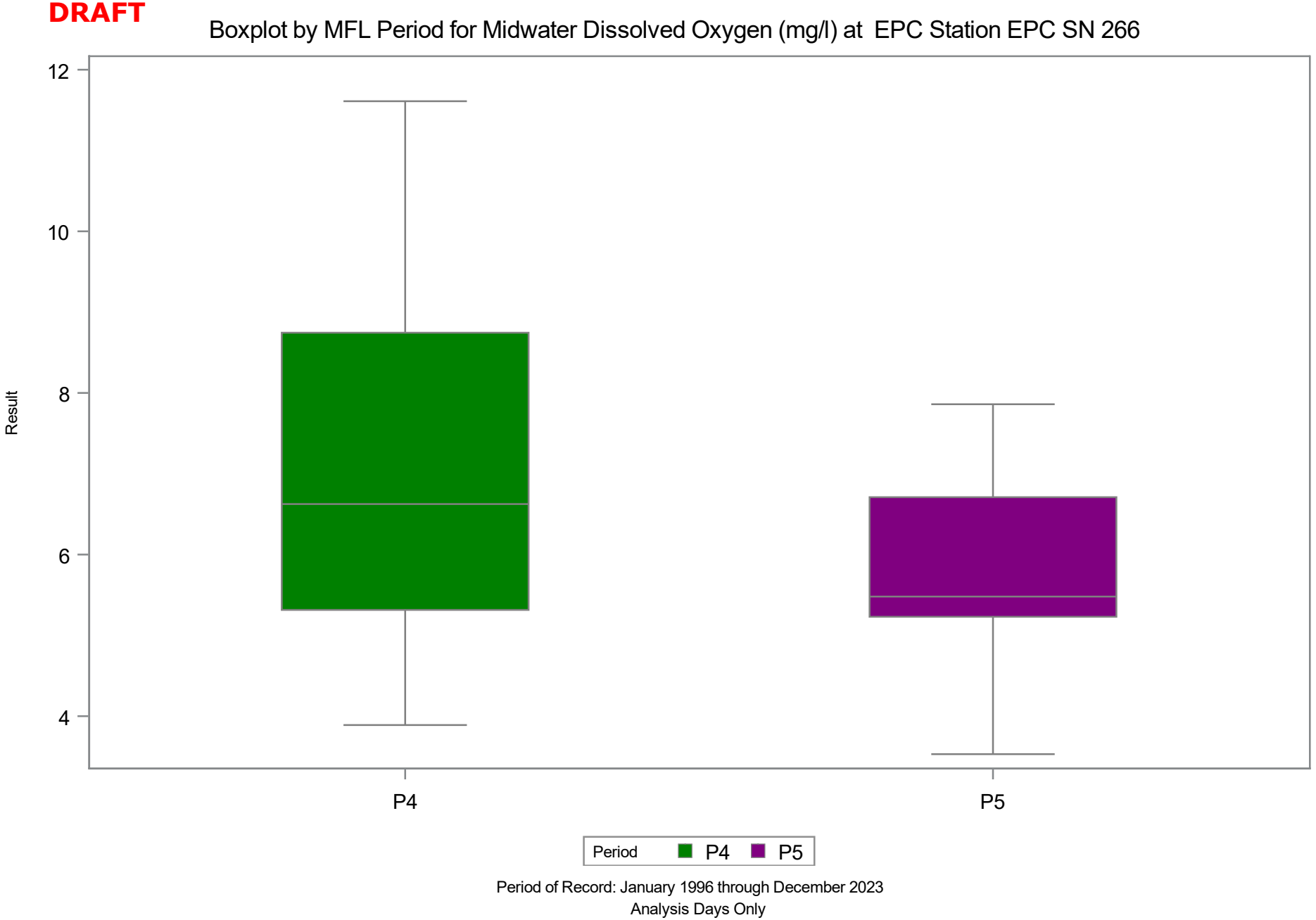
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 266**

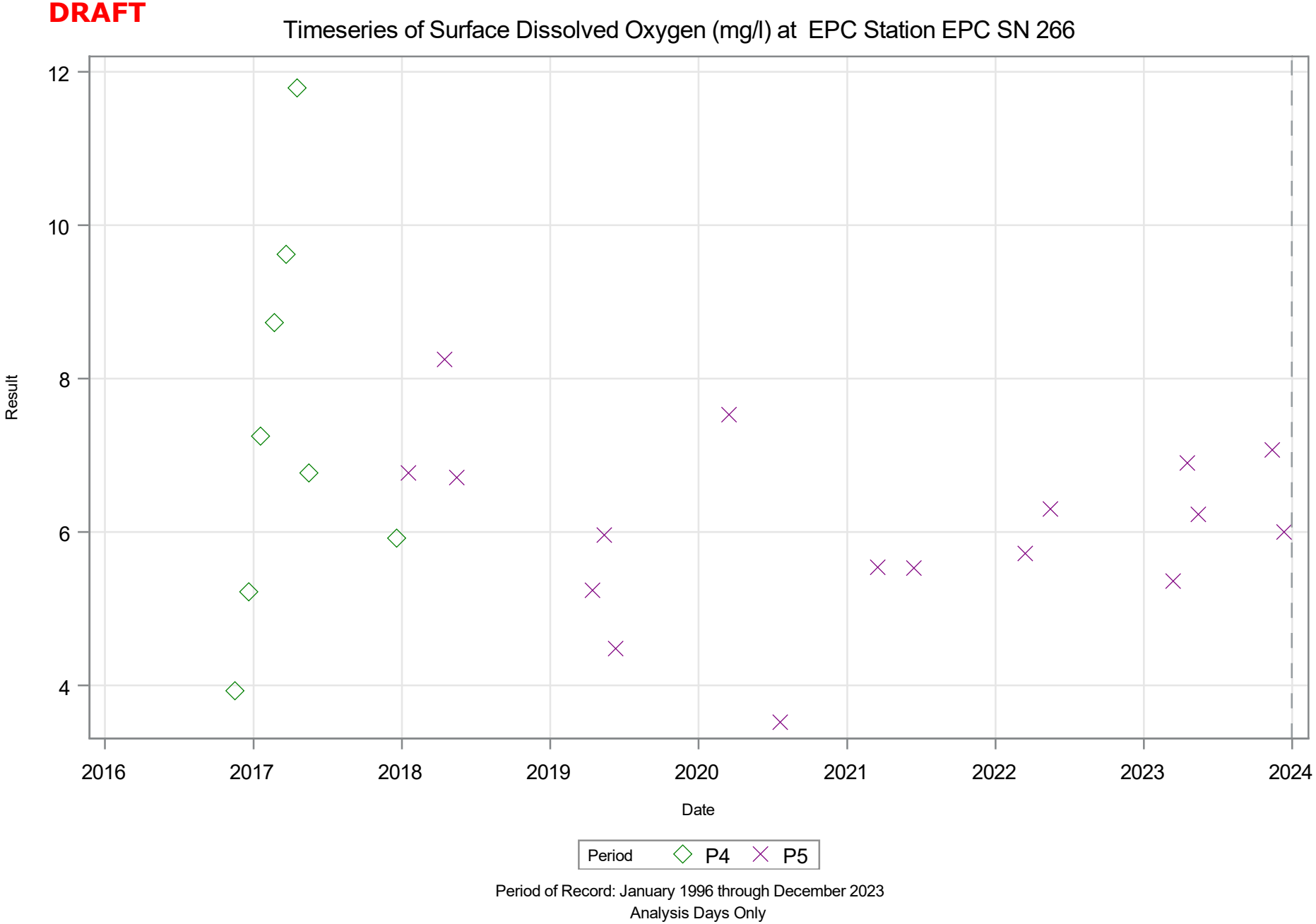
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	3.89	5.32	7.11	6.63	8.75	11.61
P5	17	3.53	5.23	5.73	5.48	6.71	7.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

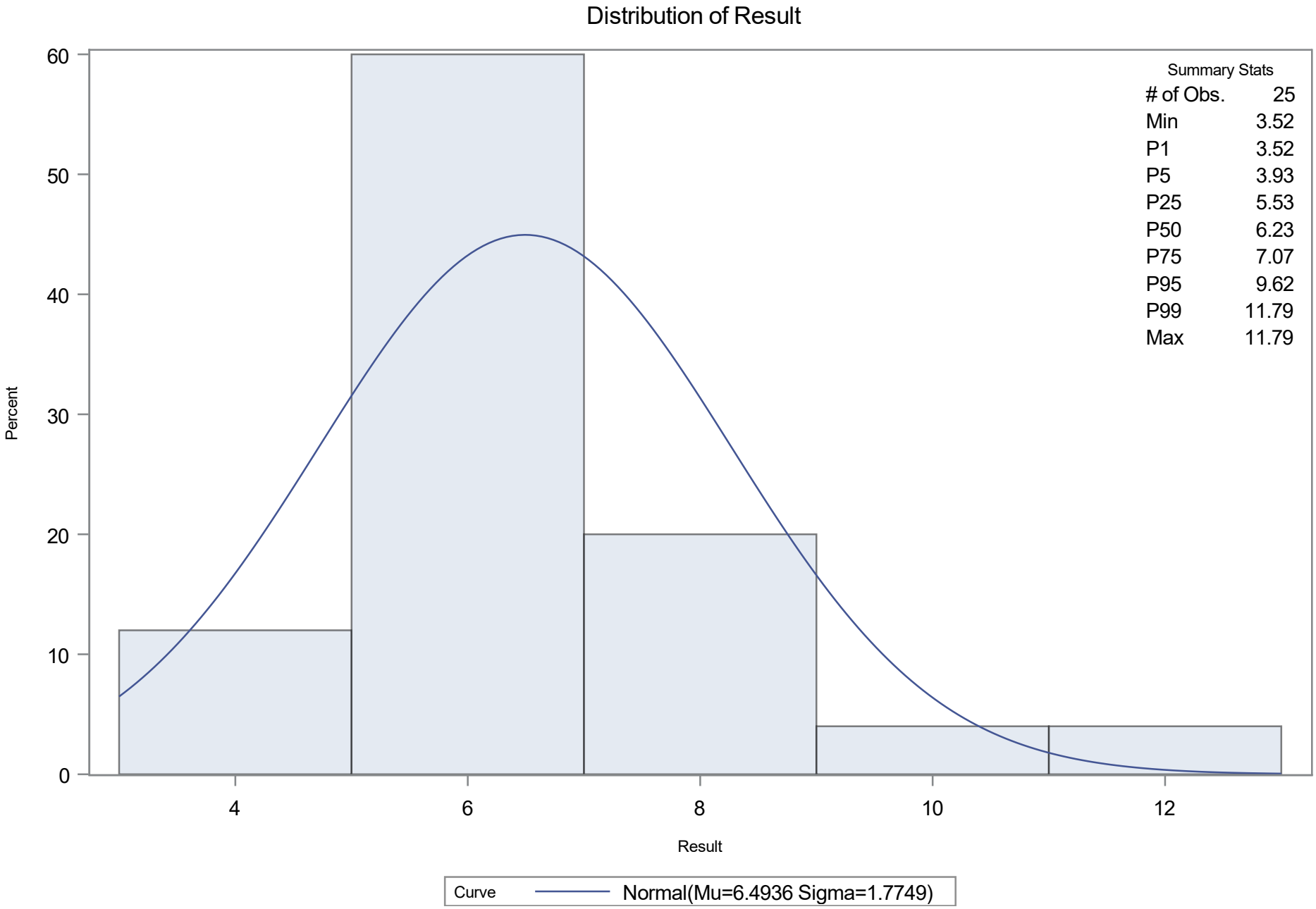

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 266
Result
12
10
8
6
4
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 266
Result
12
10
8
6
4
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.4936
Std Dev	Sigma	1.774873

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13499150	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10077331	**Pr > W-Sq**	0.105
Anderson-Darling	**A-Sq**	0.59741272	**Pr > A-Sq**	0.110

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.52000	2.36463
5.0	3.93000	3.57419
10.0	4.48000	4.21901
25.0	5.53000	5.29647
50.0	6.23000	6.49360
75.0	7.07000	7.69073
90.0	8.73000	8.76819
95.0	9.62000	9.41301
99.0	11.79000	10.62257

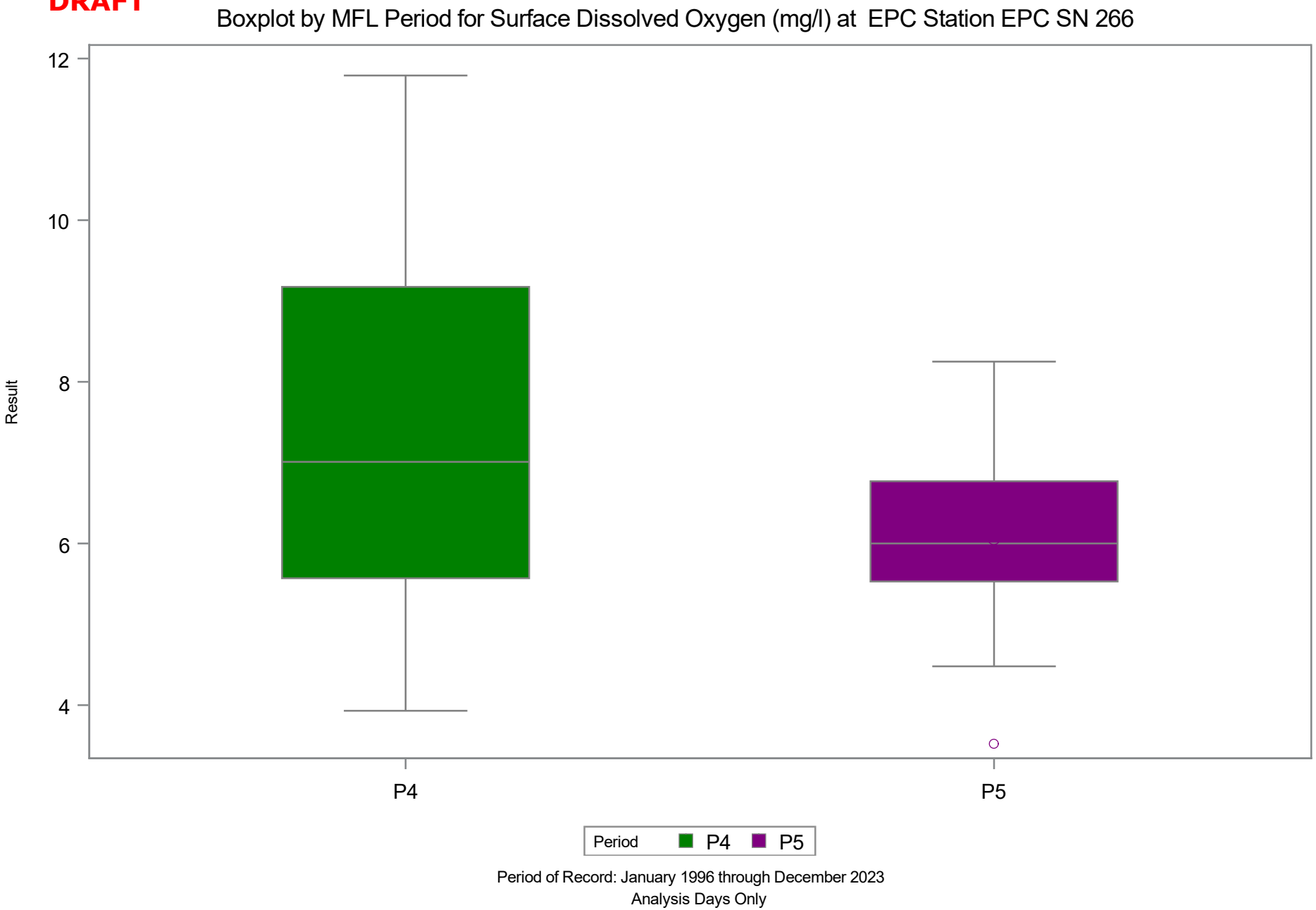
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 266**

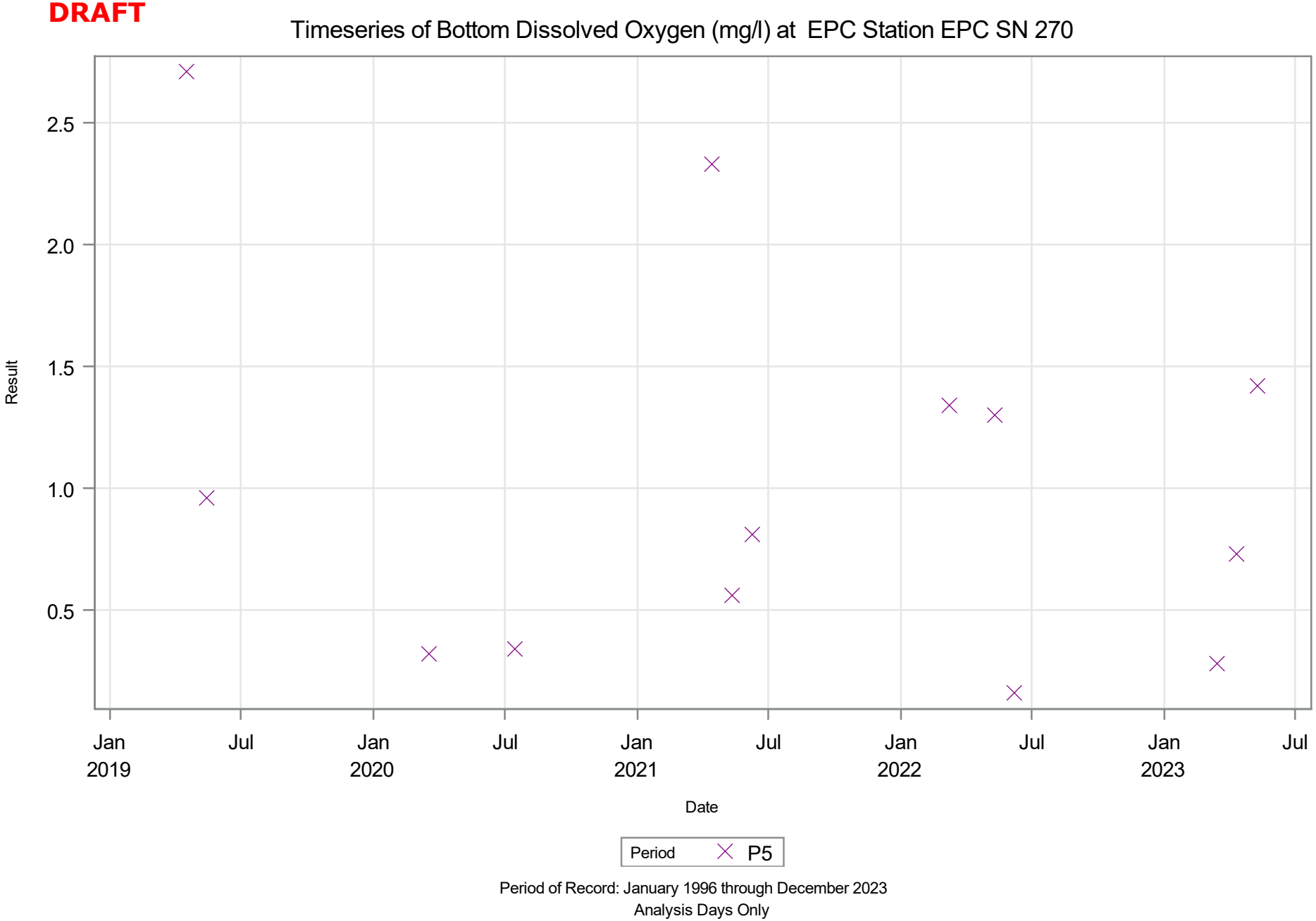
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	3.93	5.57	7.40	7.01	9.18	11.79
P5	17	3.52	5.53	6.07	6.00	6.77	8.25

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

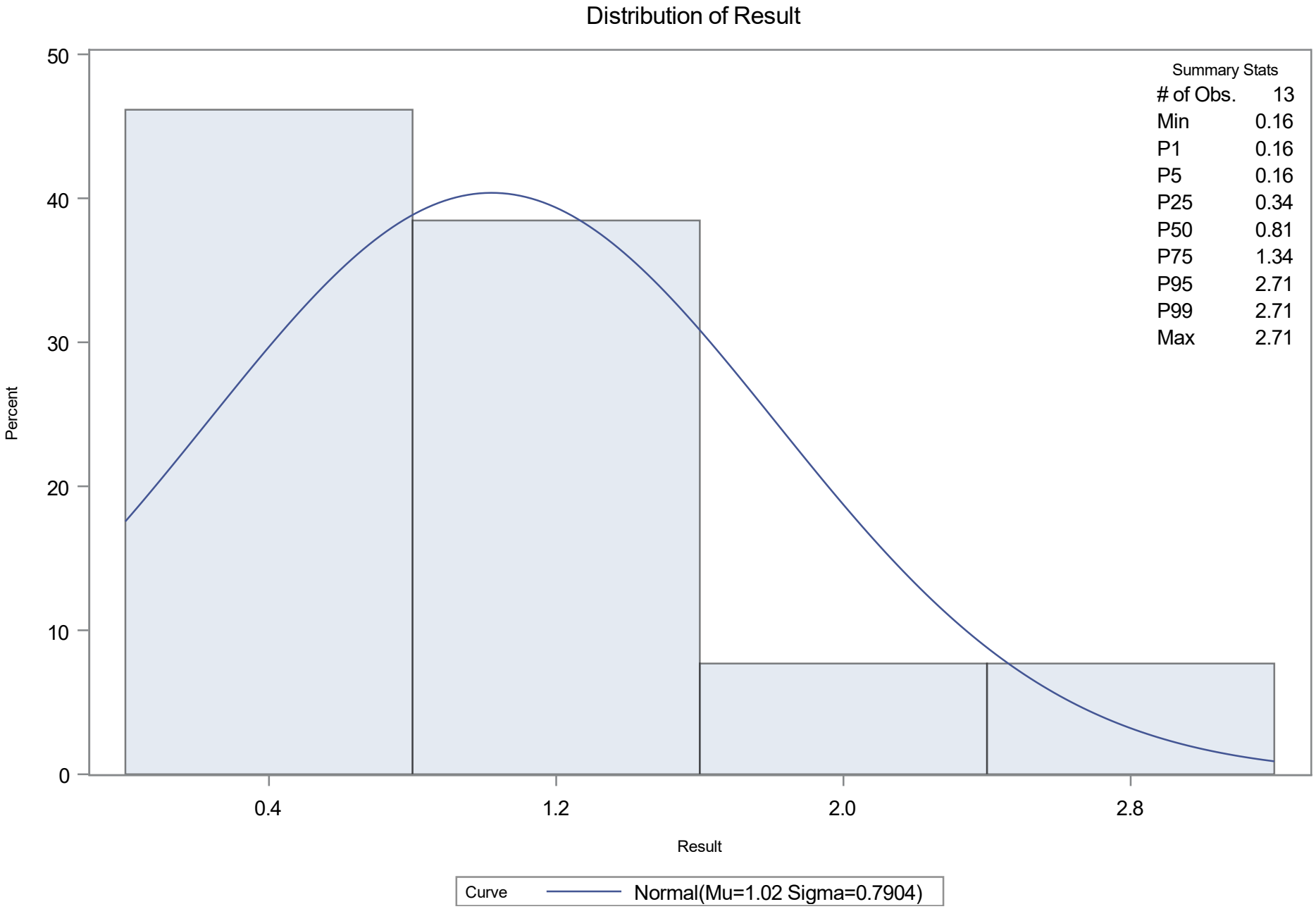

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 266
Result
12
10
8
6
4
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 270
Result
2.5
2.0
1.5
1.0
0.5
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.02
Std Dev	Sigma	0.790359

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15254728	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08022735	**Pr > W-Sq**	0.195
Anderson-Darling	**A-Sq**	0.55011149	**Pr > A-Sq**	0.130

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.16000	-0.81865
5.0	0.16000	-0.28002
10.0	0.28000	0.00711
25.0	0.34000	0.48691
50.0	0.81000	1.02000
75.0	1.34000	1.55309
90.0	2.33000	2.03289
95.0	2.71000	2.32002
99.0	2.71000	2.85865

Period of Record: January 1996 through December 2023
Analysis Days Only

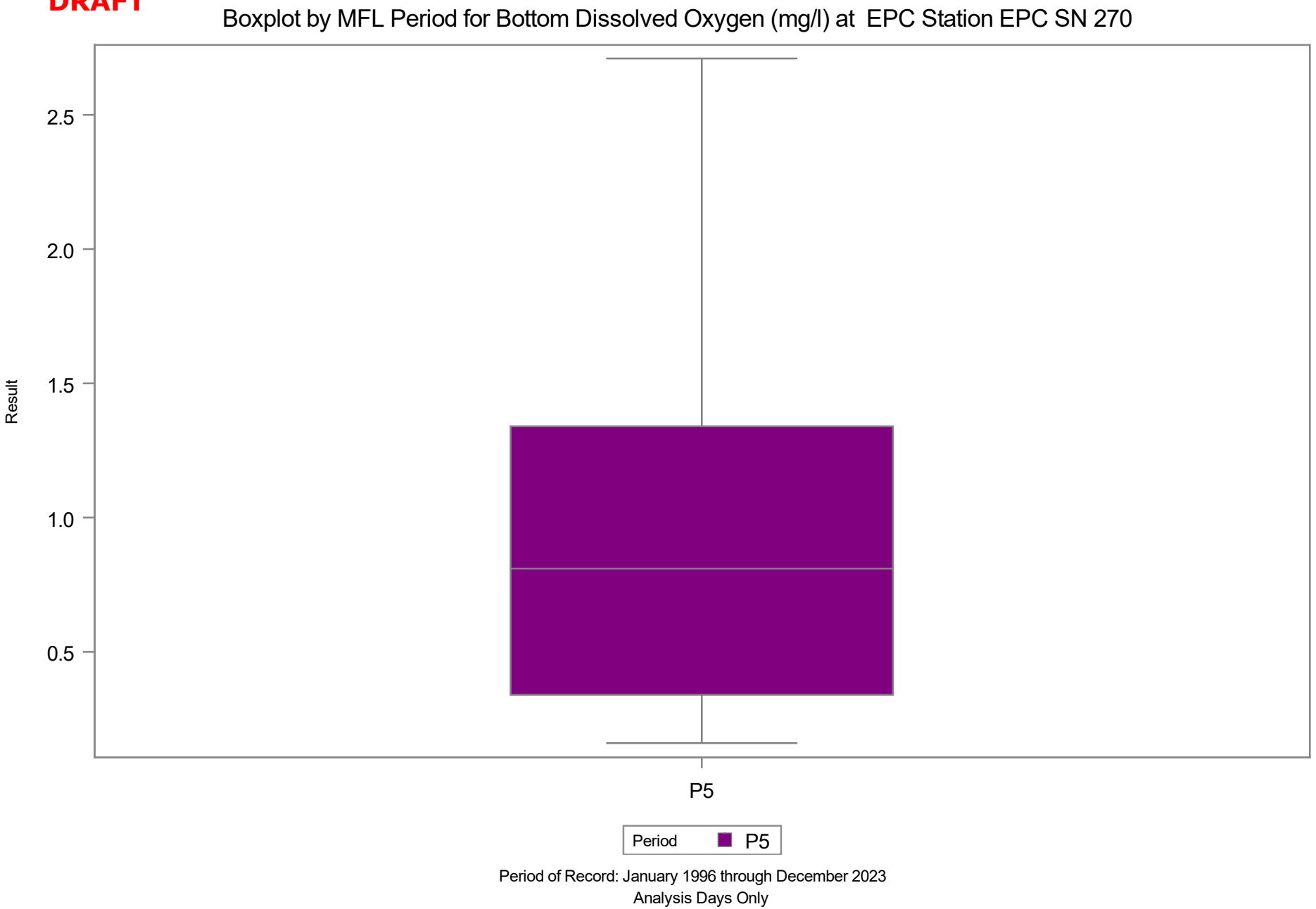
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 270

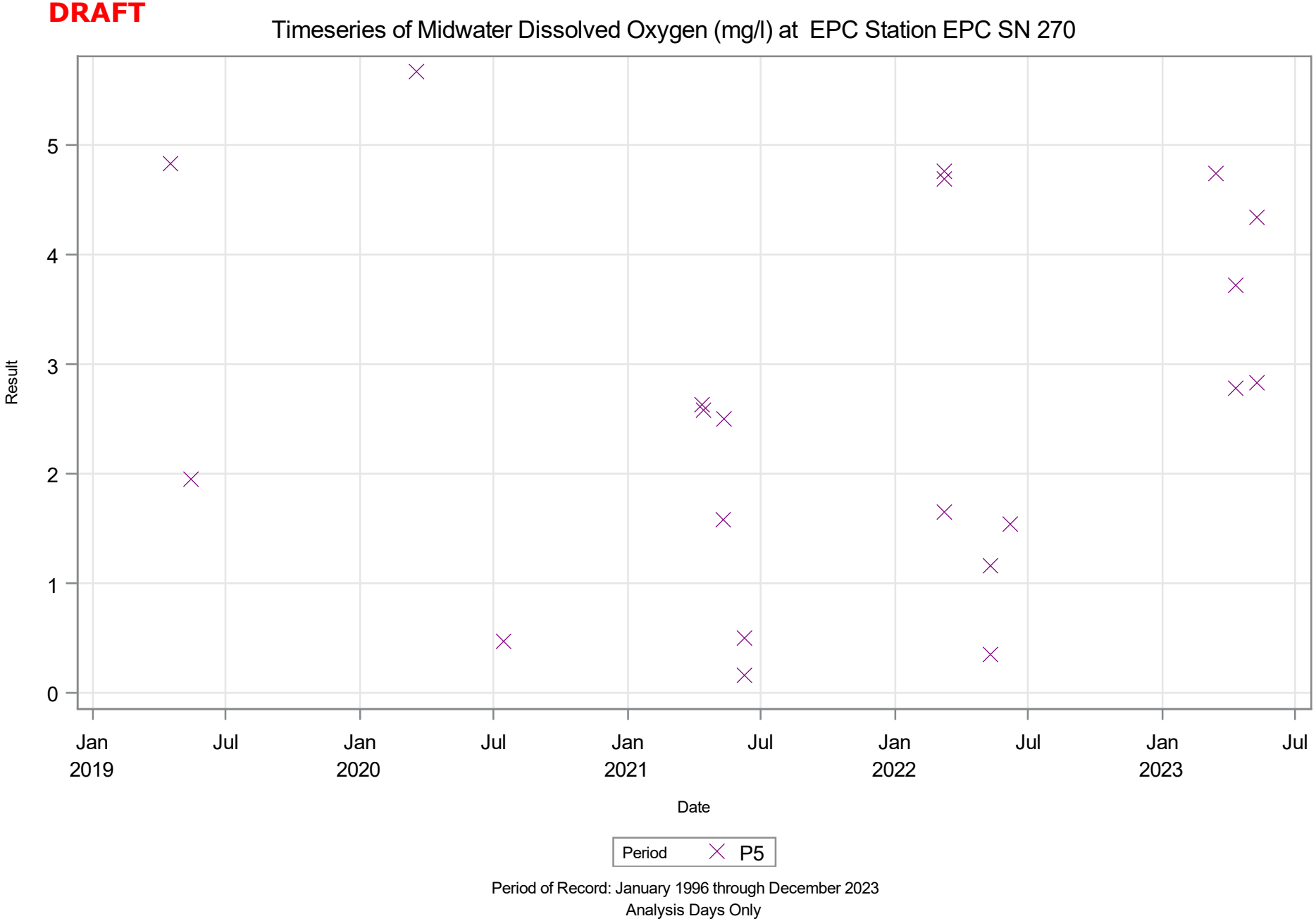
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	0.16	0.34	1.02	0.81	1.34	2.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

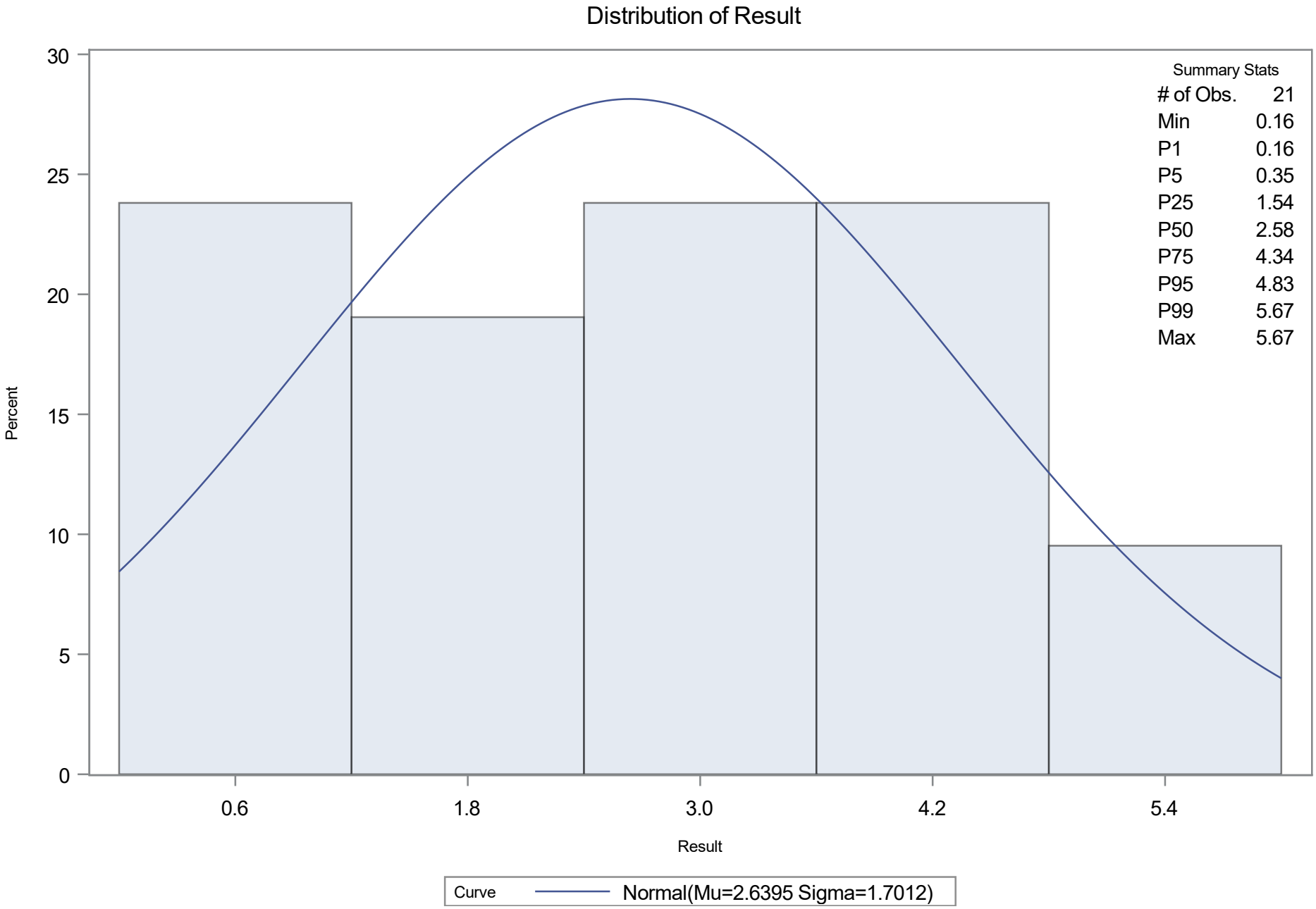

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Station EPC SN 270
Result
2.5
2.0
1.5
1.0
0.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 270
Result
0
1
2
3
4
5
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.639524
Std Dev	Sigma	1.701213

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12695425	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06677006	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.46566810	**Pr > A-Sq**	0.234

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.16000	-1.31809
5.0	0.35000	-0.15872
10.0	0.47000	0.45933
25.0	1.54000	1.49207
50.0	2.58000	2.63952
75.0	4.34000	3.78697
90.0	4.76000	4.81972
95.0	4.83000	5.43777
99.0	5.67000	6.59714

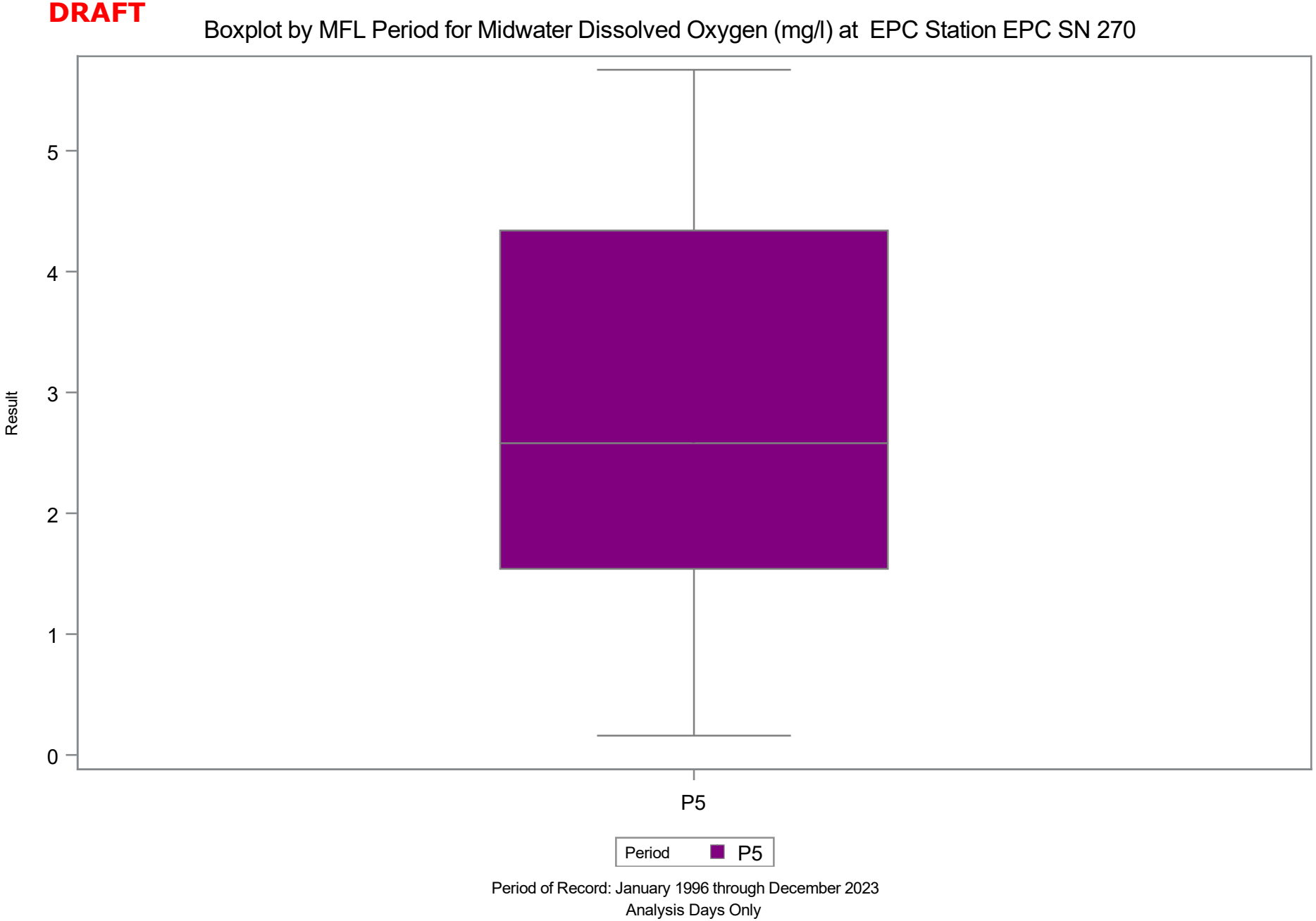
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 270**

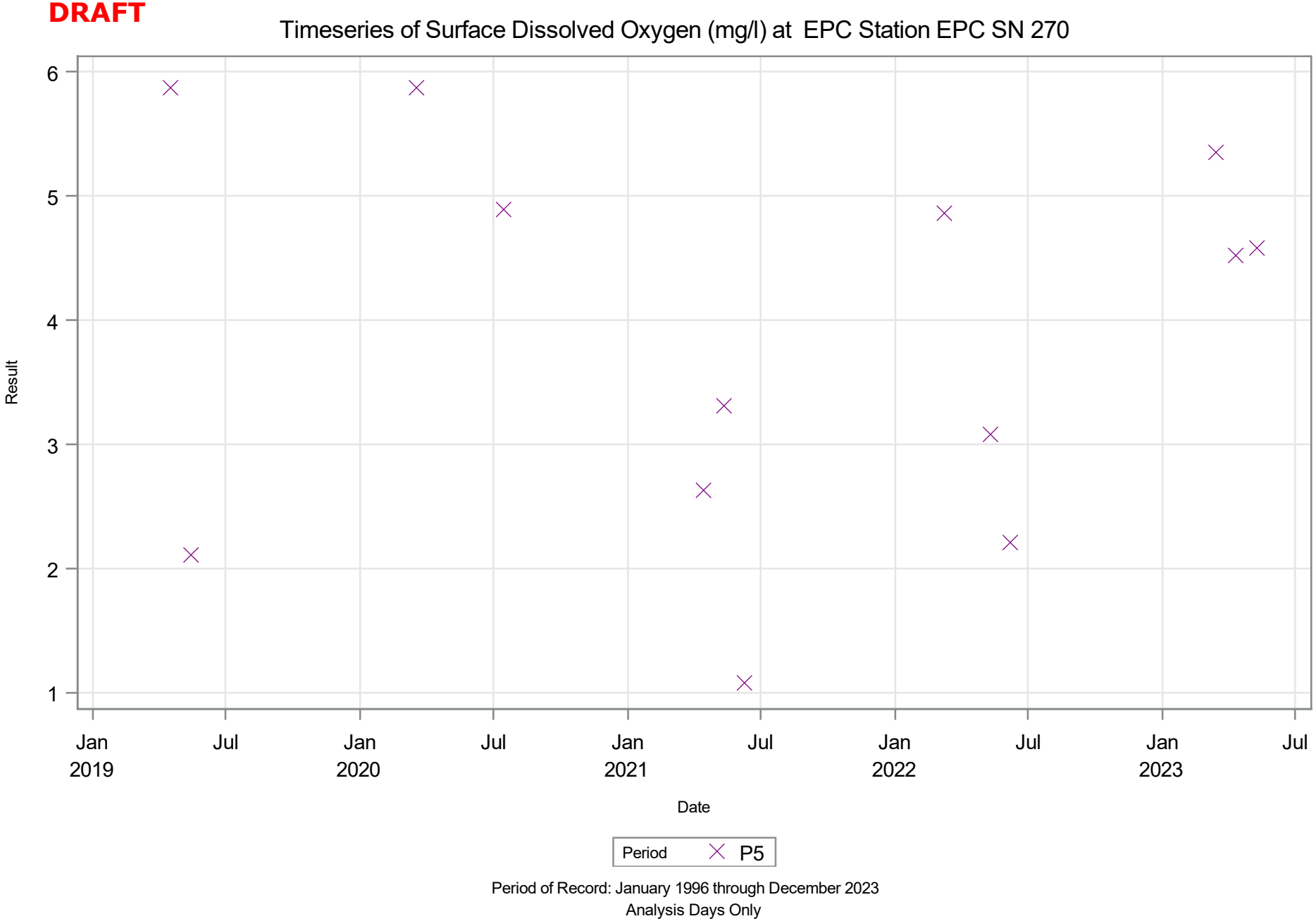
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	0.16	1.54	2.64	2.58	4.34	5.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

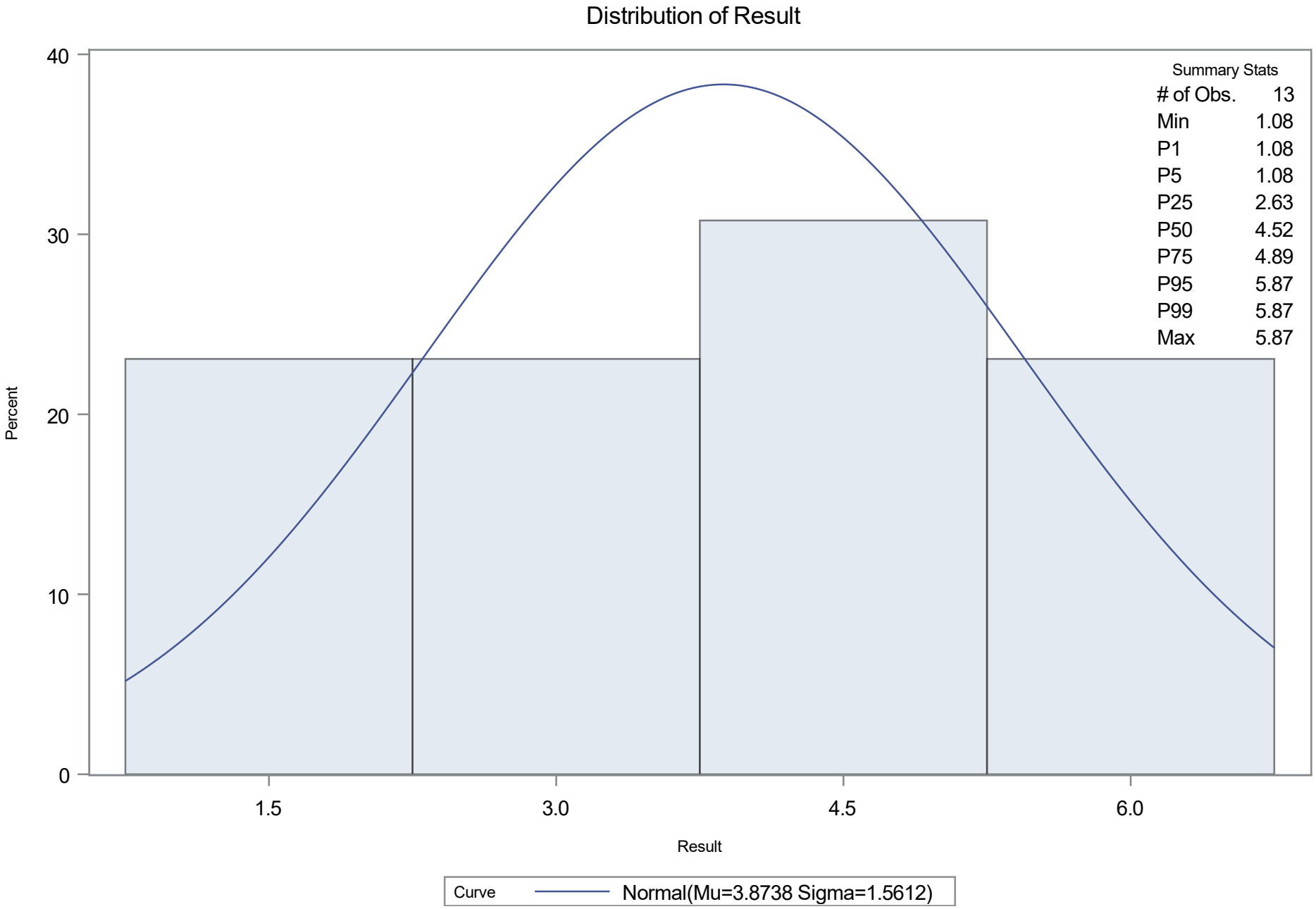

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at EPC Station EPC SN 270
Result
0
1
2
3
4
5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 270
Result
6
5
4
3
2
1
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.873846
Std Dev	Sigma	1.561247

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19897701	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06462287	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36854720	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.08000	0.24184
5.0	1.08000	1.30582
10.0	2.11000	1.87303
25.0	2.63000	2.82080
50.0	4.52000	3.87385
75.0	4.89000	4.92689
90.0	5.87000	5.87466
95.0	5.87000	6.44187
99.0	5.87000	7.50585

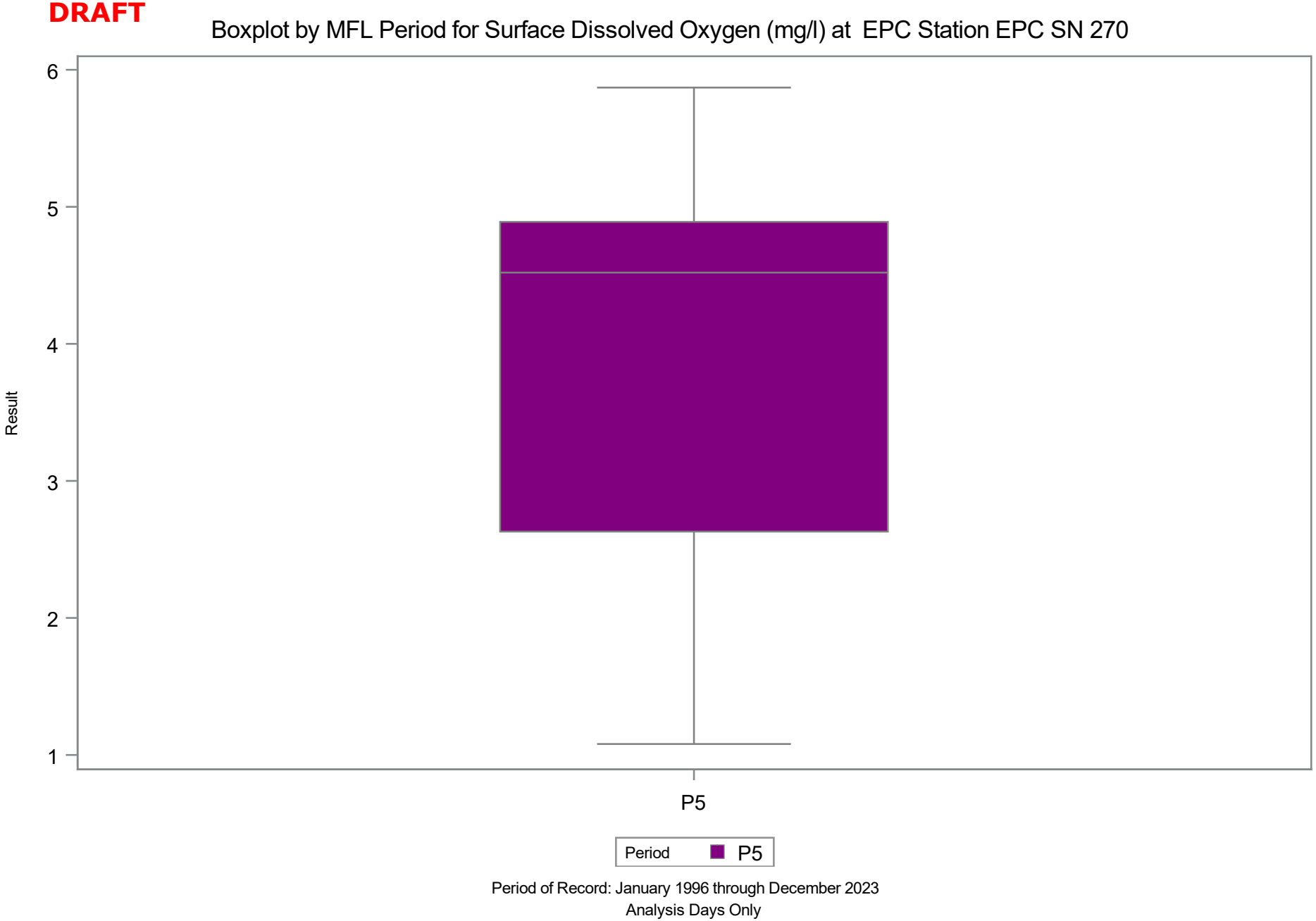
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 270**

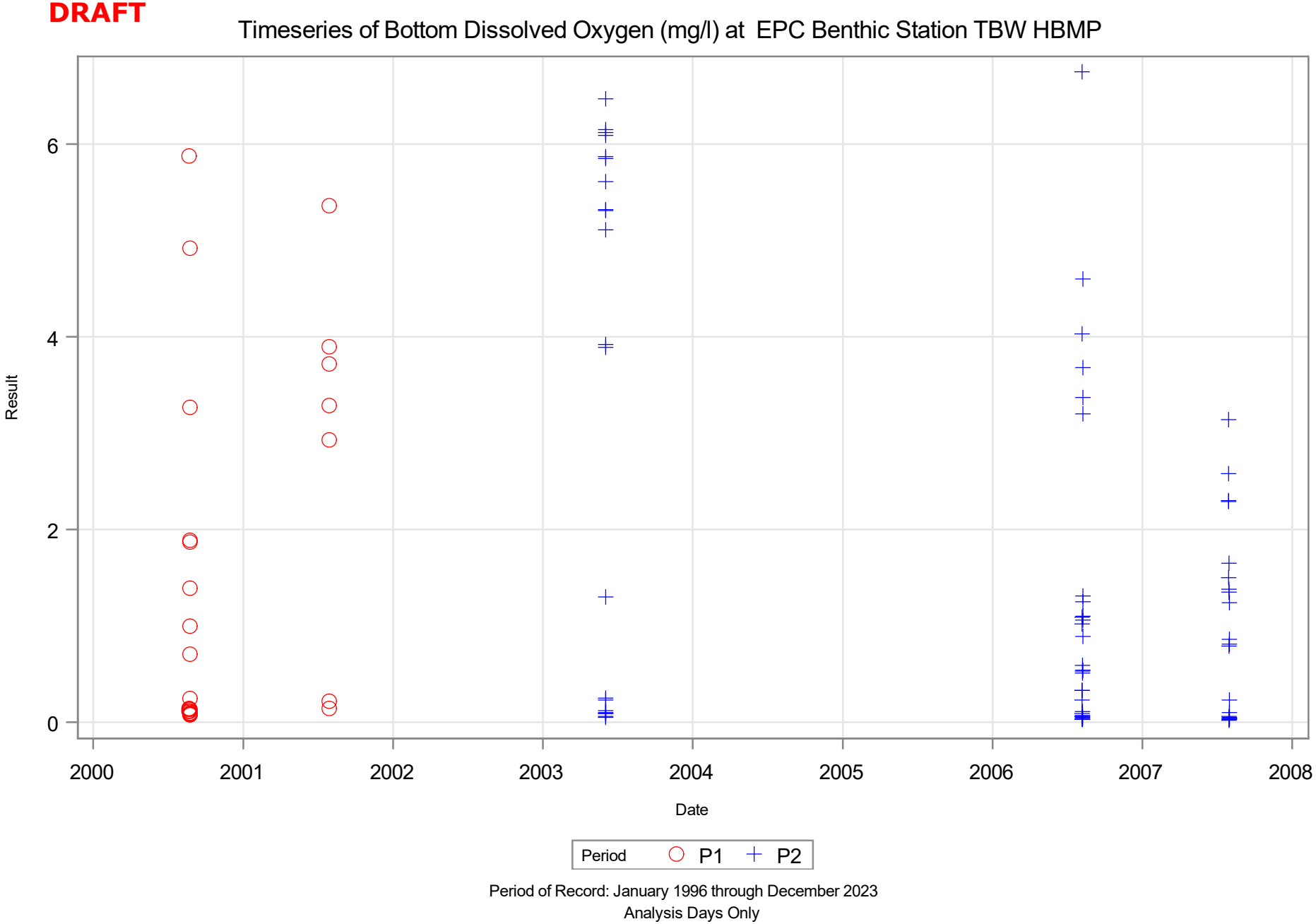
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	1.08	2.63	3.87	4.52	4.89	5.87

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

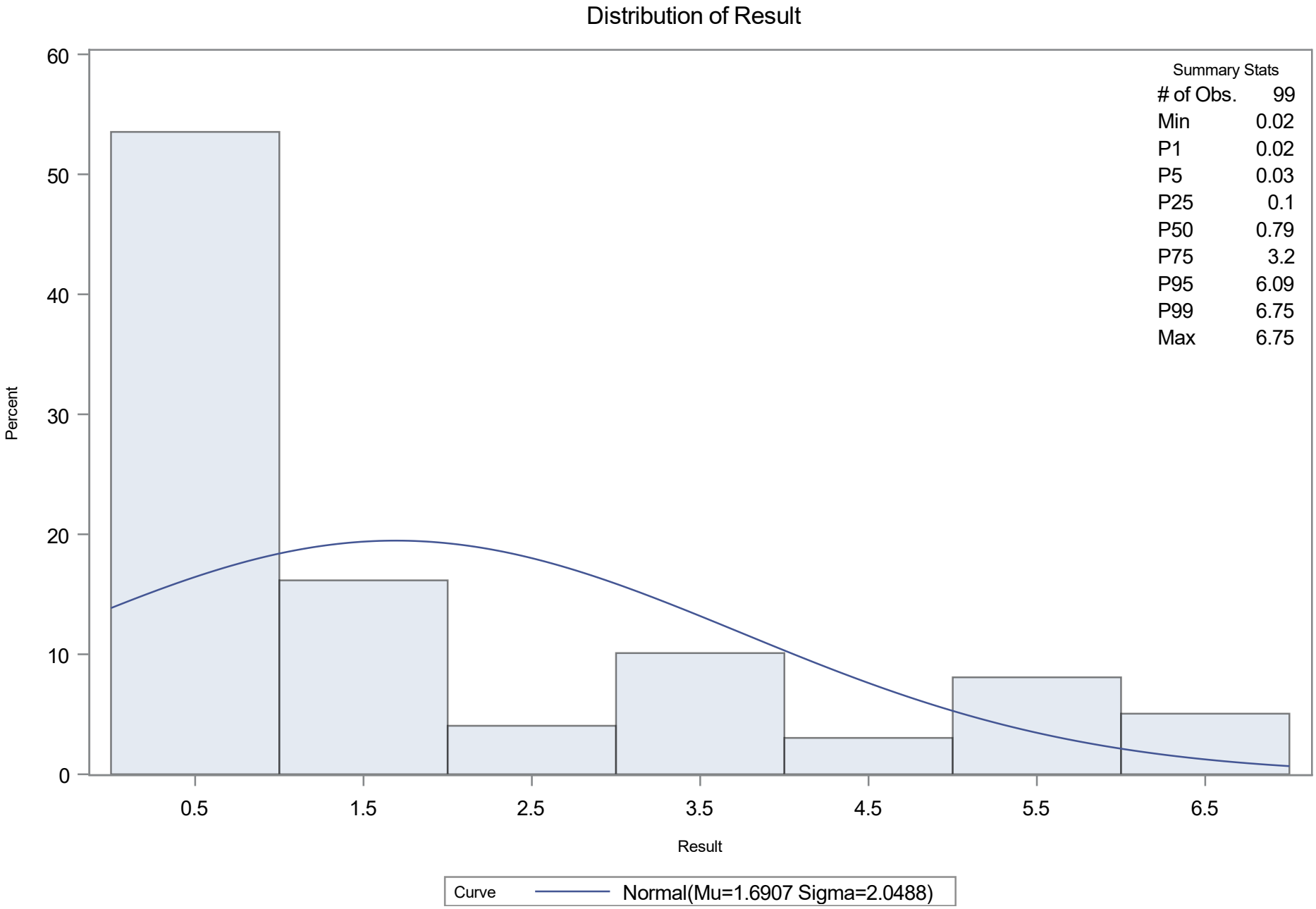

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Station EPC SN 270
Result
6
5
4
3
2
1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP
Result
0
2
4
6
2000
2001
2002
2003
2004
2005
2006
2007
2008
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.690707
Std Dev	Sigma	2.048844

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21490855	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.51131841	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.50910532	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.02000	-3.07562
5.0	0.03000	-1.67934
10.0	0.05000	-0.93499
25.0	0.10000	0.30878
50.0	0.79000	1.69071
75.0	3.20000	3.07263
90.0	5.36000	4.31641
95.0	6.09000	5.06075
99.0	6.75000	6.45703

Period of Record: January 1996 through December 2023
Analysis Days Only

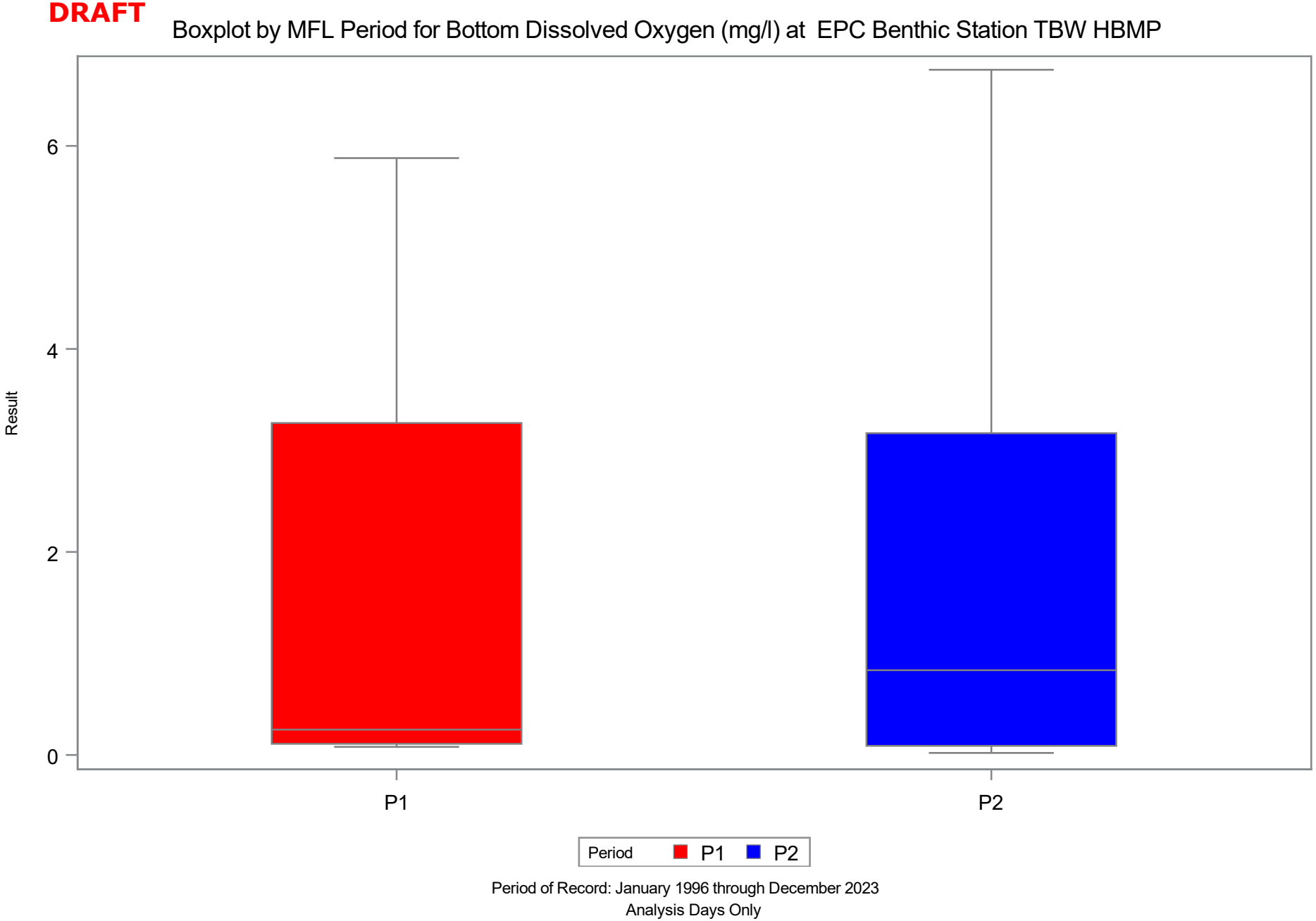
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP

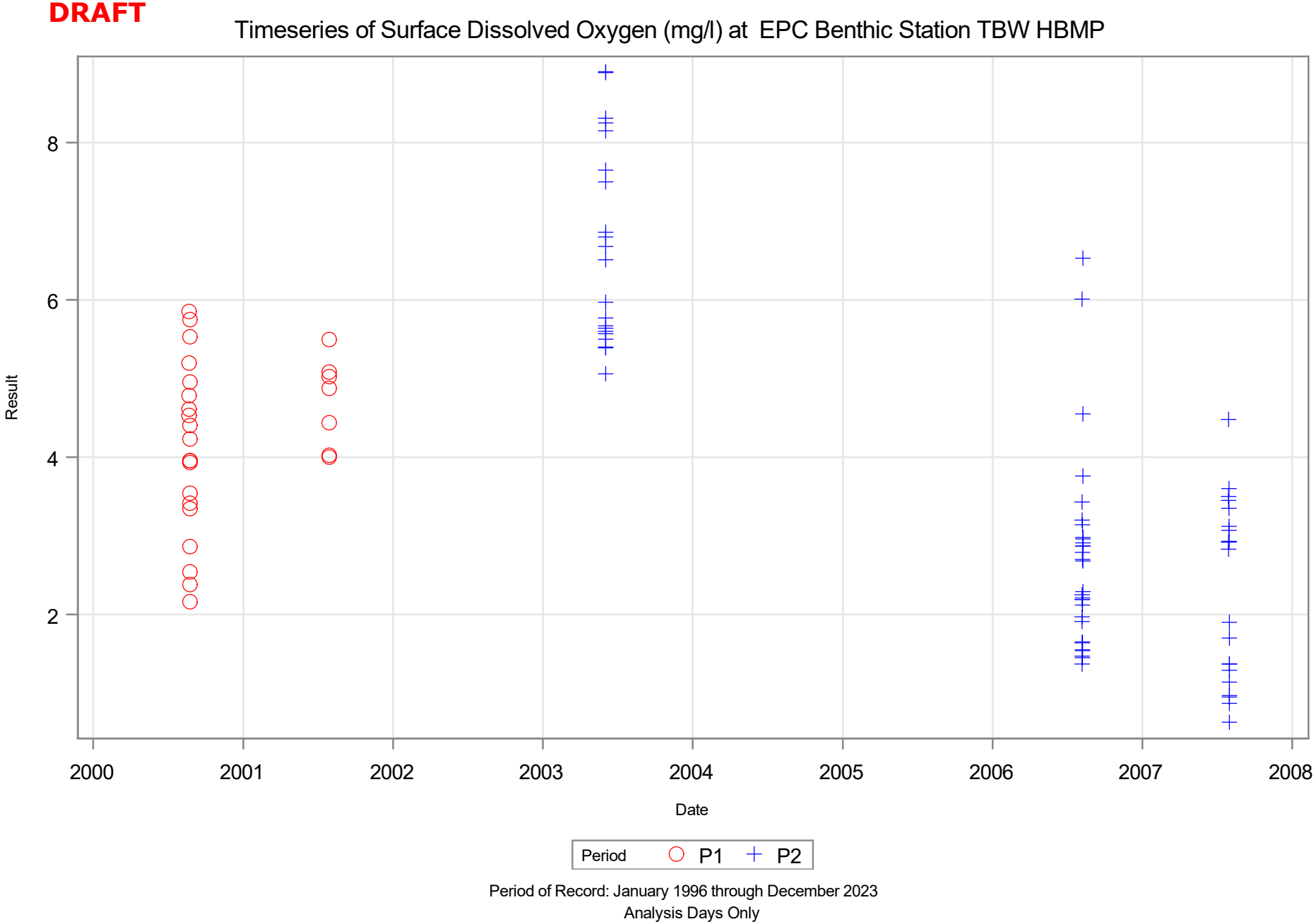
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	0.08	0.11	1.55	0.25	3.27	5.88
P2	72	0.02	0.09	1.74	0.84	3.17	6.75

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP
Result
6
4
2
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

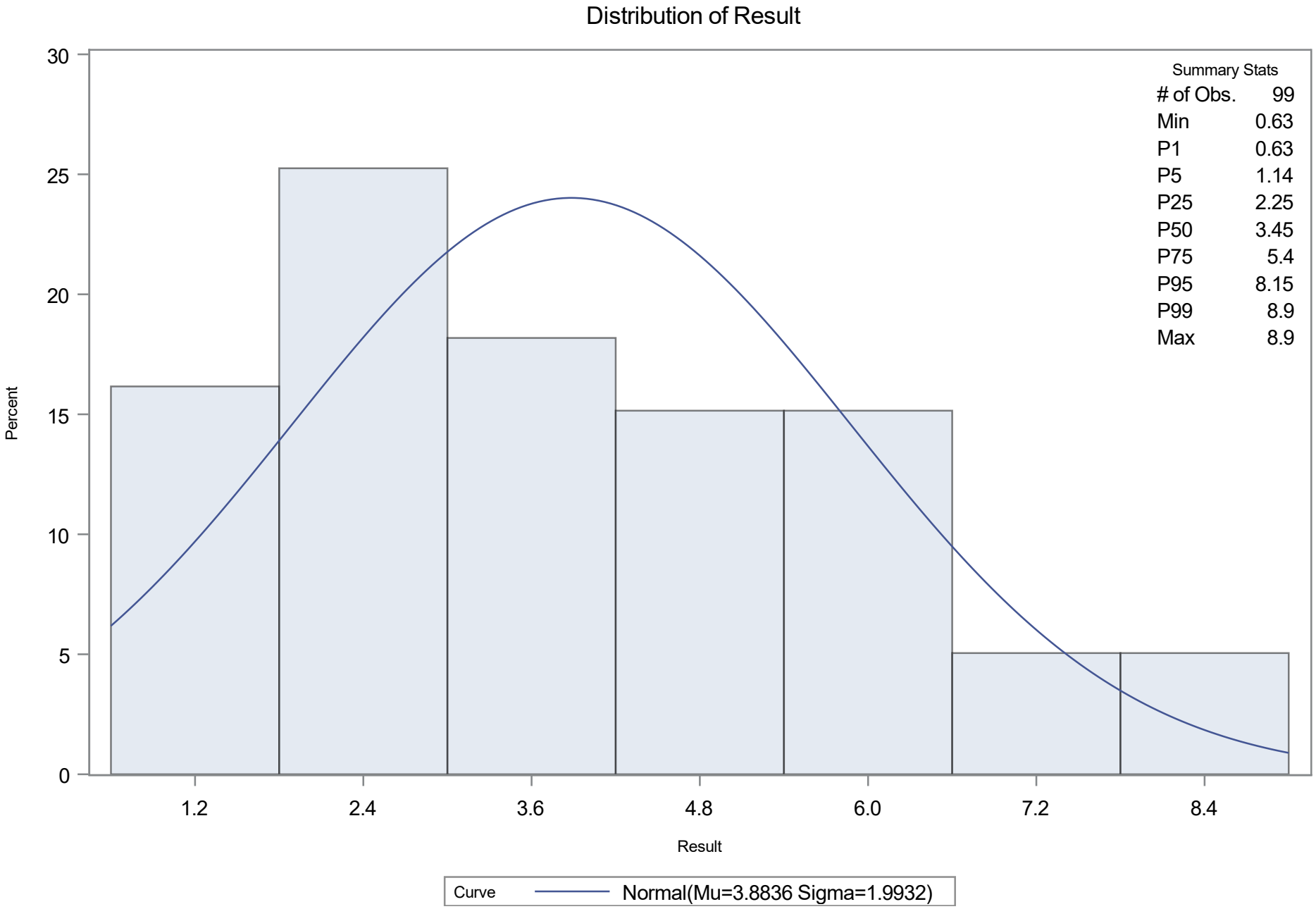
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.883636
Std Dev	Sigma	1.993192

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09369298	**Pr > D**	0.032
Cramer-von Mises	**W-Sq**	0.16593326	**Pr > W-Sq**	0.016
Anderson-Darling	**A-Sq**	1.06379176	**Pr > A-Sq**	0.009

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.63000	-0.75322
5.0	1.14000	0.60513
10.0	1.45000	1.32926
25.0	2.25000	2.53925
50.0	3.45000	3.88364
75.0	5.40000	5.22802
90.0	6.68000	6.43801
95.0	8.15000	7.16214
99.0	8.90000	8.52049

Period of Record: January 1996 through December 2023
Analysis Days Only

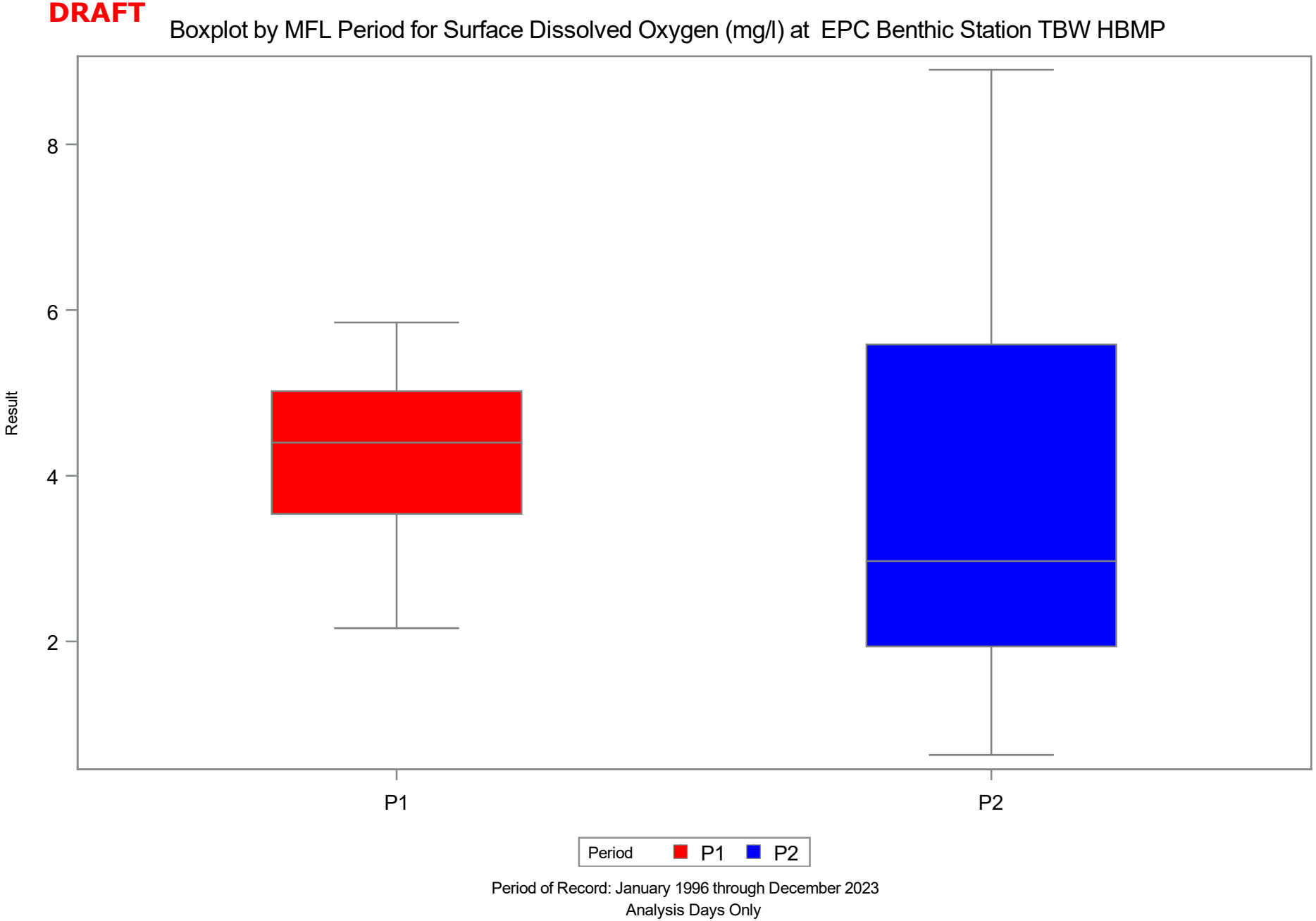
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP

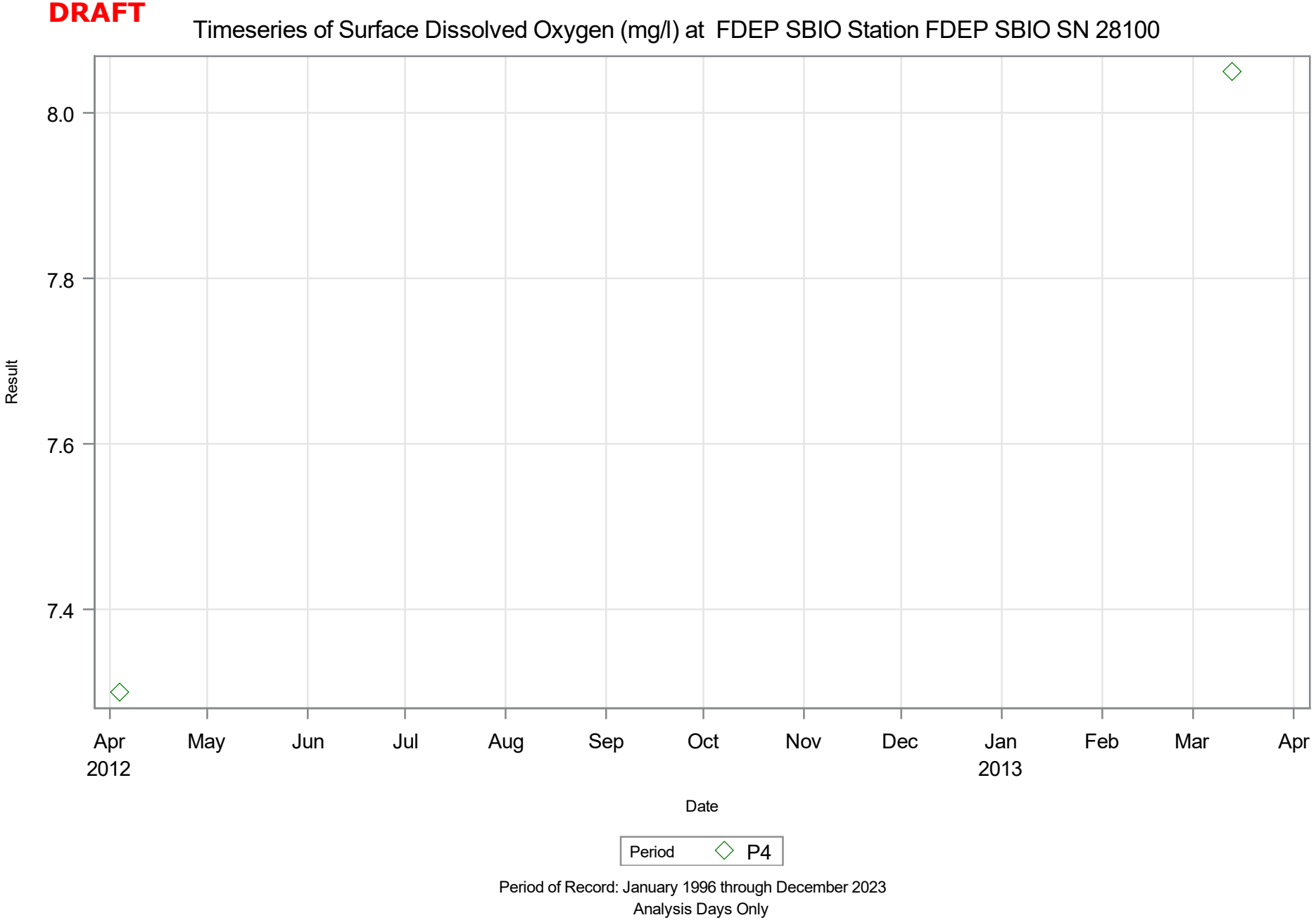
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	2.16	3.54	4.25	4.40	5.02	5.85
P2	72	0.63	1.94	3.74	2.97	5.59	8.90

Period of Record: January 1996 through December 2023
Analysis Days Only

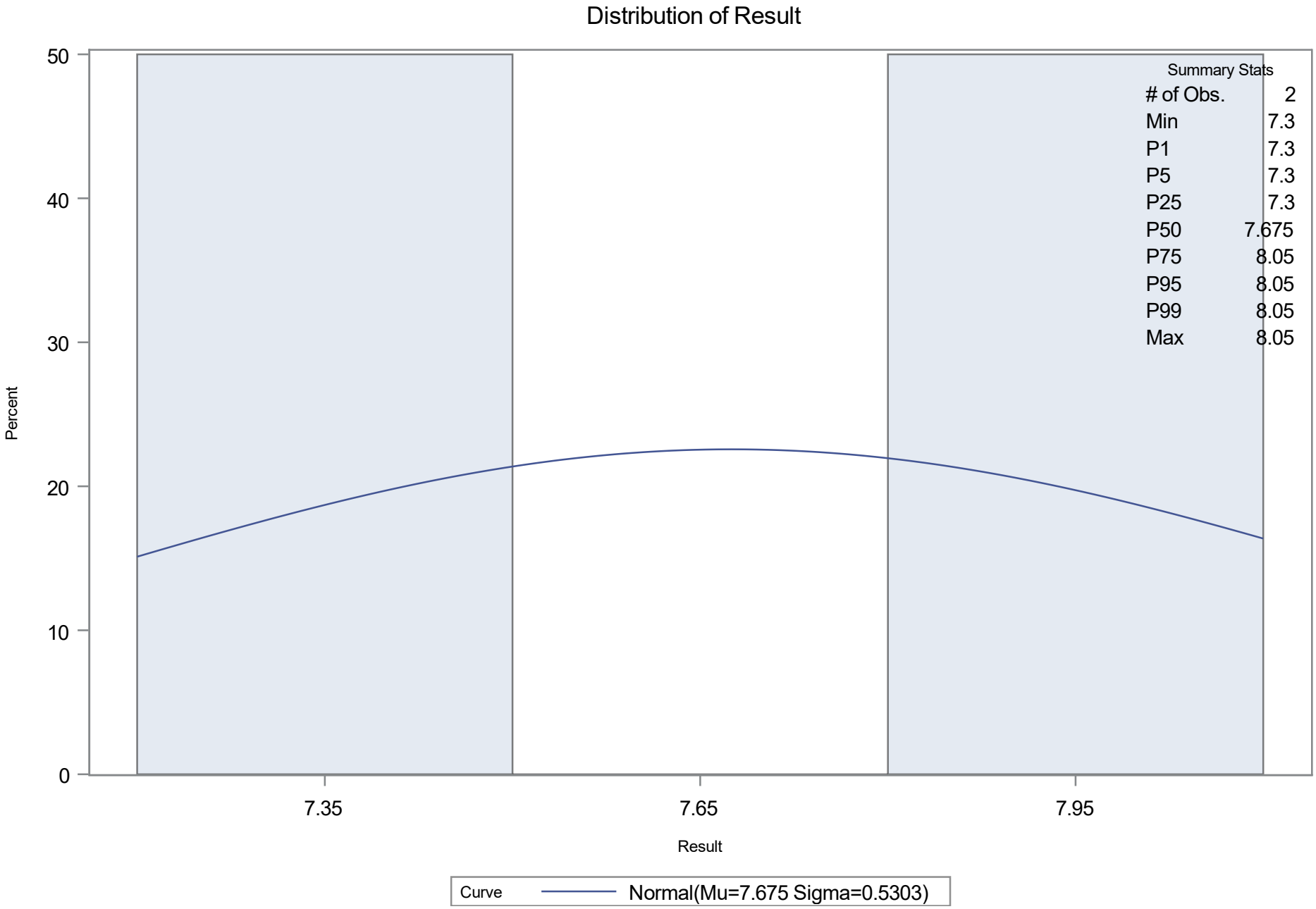
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at EPC Benthic Station TBW HBMP
Result
8
6
4
2
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 28100
Result
8.0
7.8
7.6
7.4
Apr
2012
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2013
Feb
Mar
Apr
Date
Period
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 28100**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 28100**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.675
Std Dev	Sigma	0.53033

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.30000	6.44127
5.0	7.30000	6.80268
10.0	7.30000	6.99535
25.0	7.30000	7.31730
50.0	7.67500	7.67500
75.0	8.05000	8.03270
90.0	8.05000	8.35465
95.0	8.05000	8.54732
99.0	8.05000	8.90873

Period of Record: January 1996 through December 2023
Analysis Days Only

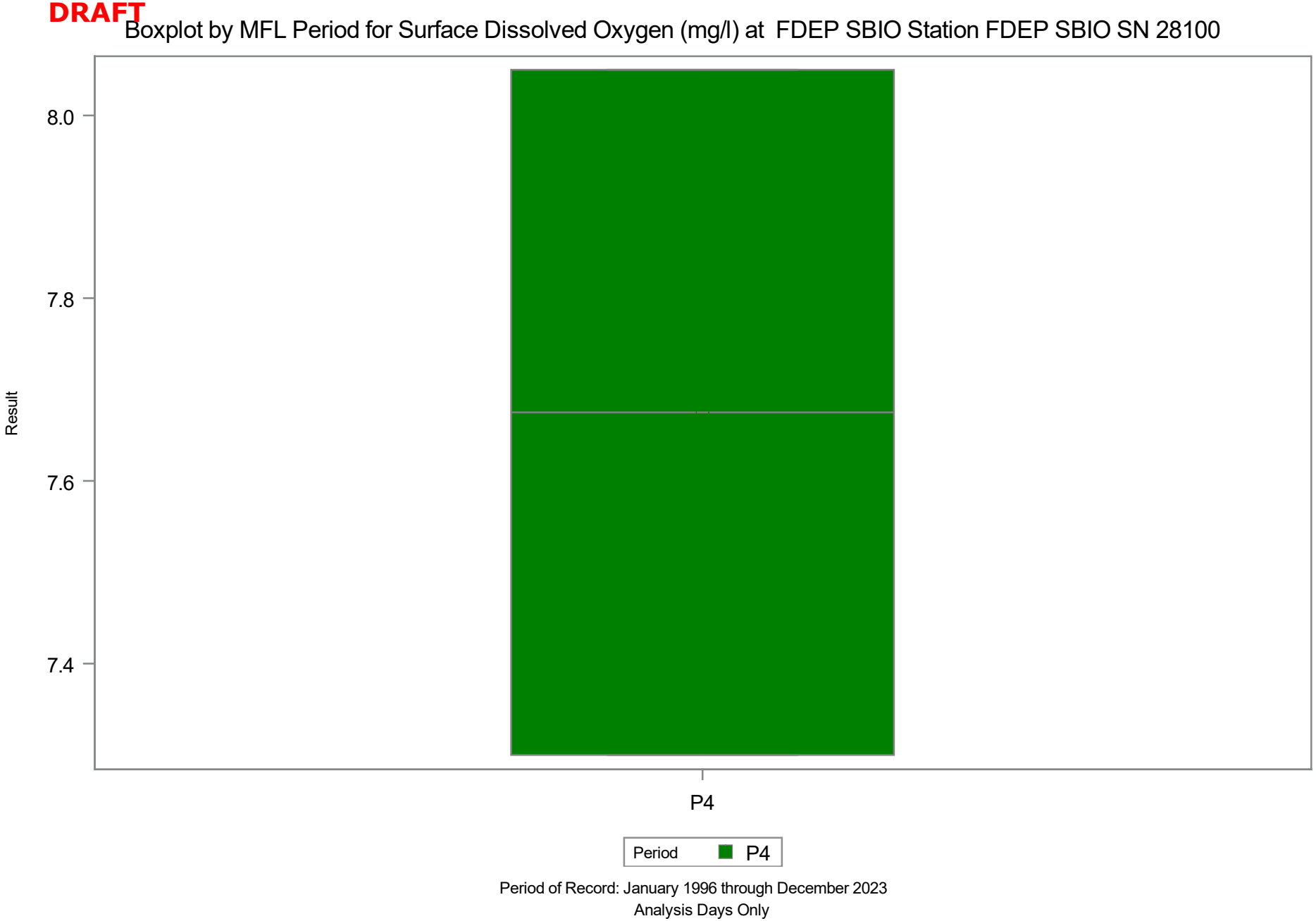
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 28100

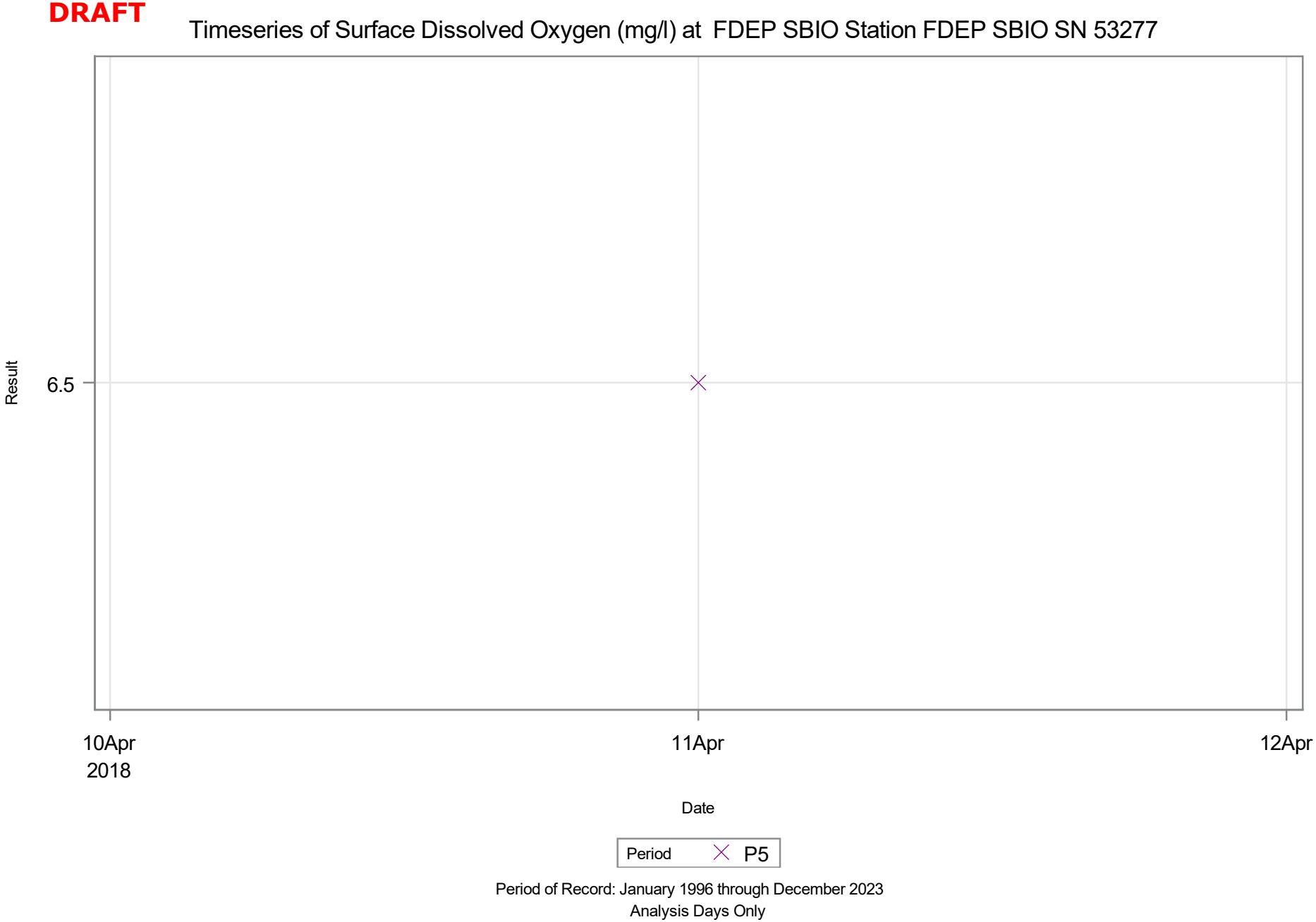
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	2	7.30	7.30	7.68	7.68	8.05	8.05

Period of Record: January 1996 through December 2023
Analysis Days Only

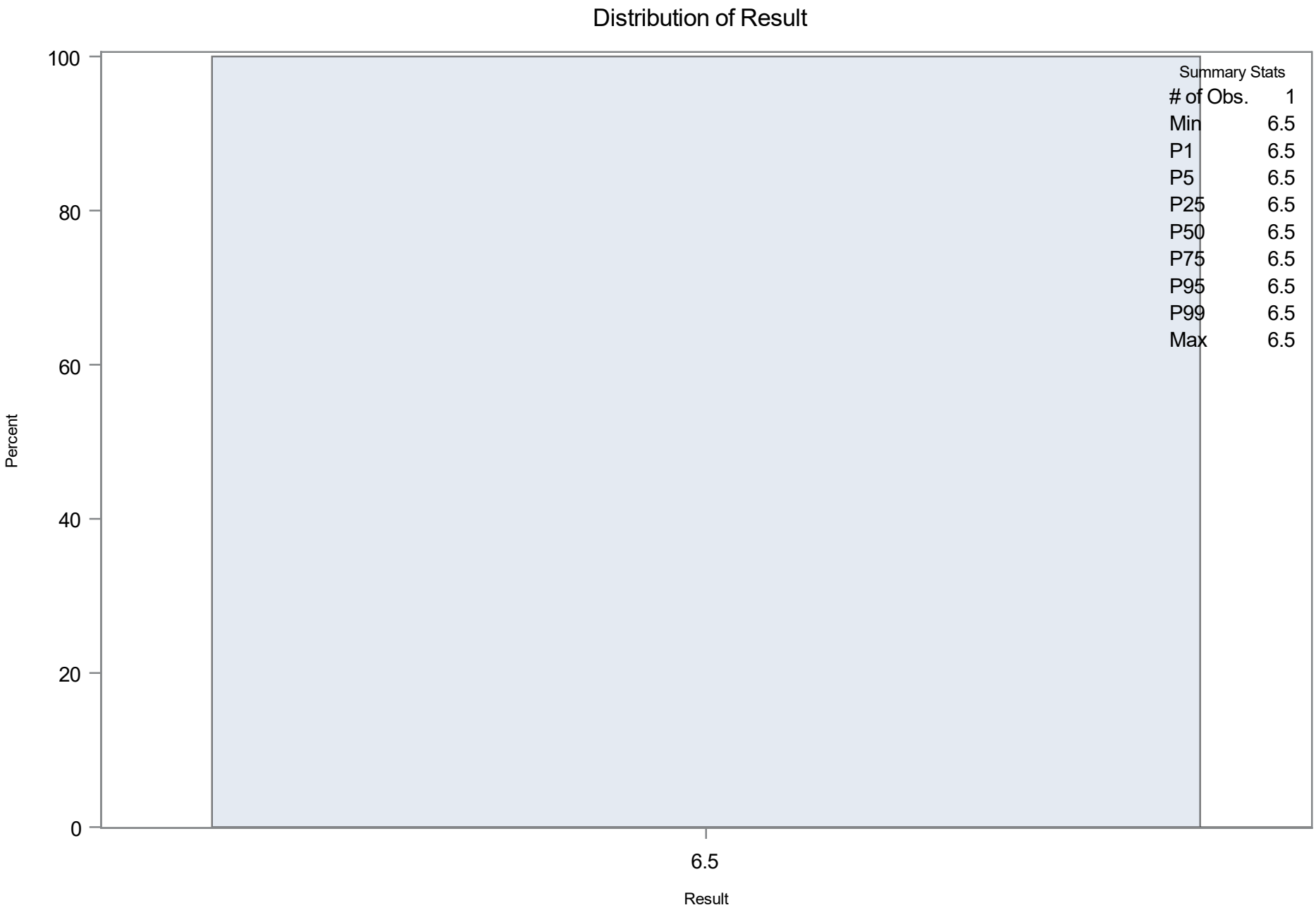
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 28100
Result
8.0
7.8
7.6
7.4
P4
Period
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 53277
Result
6.5
10Apr
2018
11Apr
12Apr
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 53277**



Period of Record: January 1996 through December 2023
Analysis Days Only

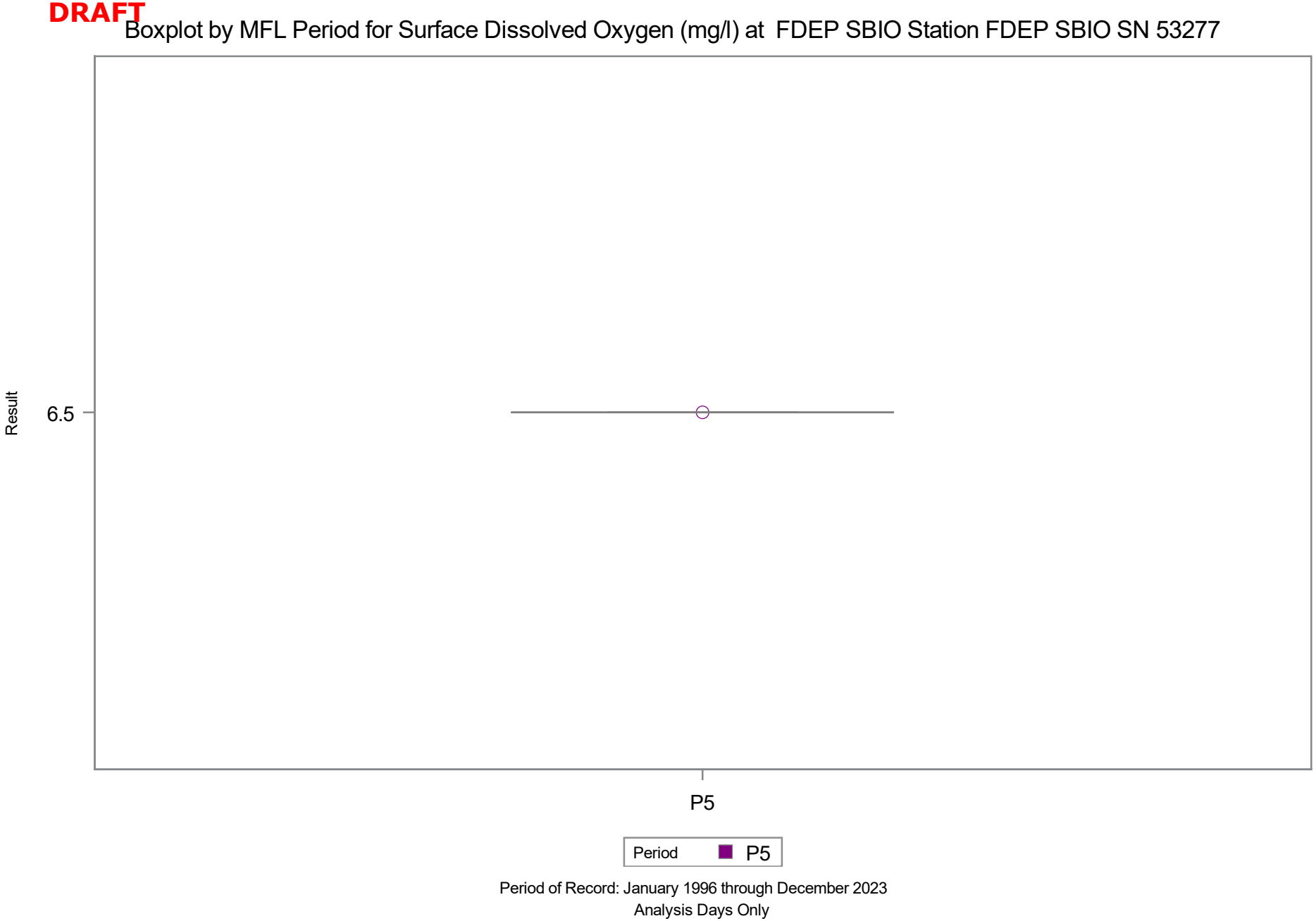
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 53277

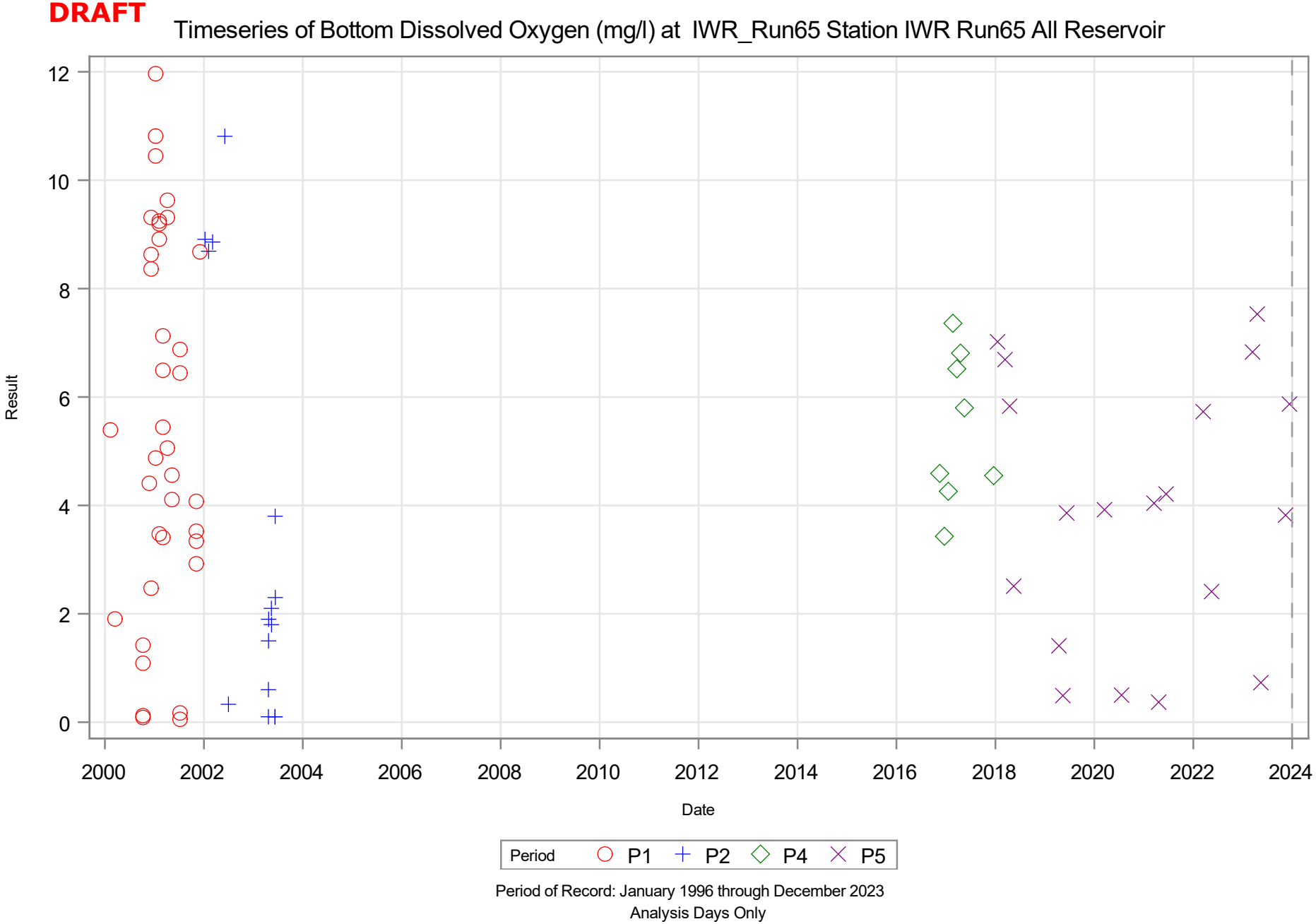
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	6.50	6.50	6.50	6.50	6.50	6.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

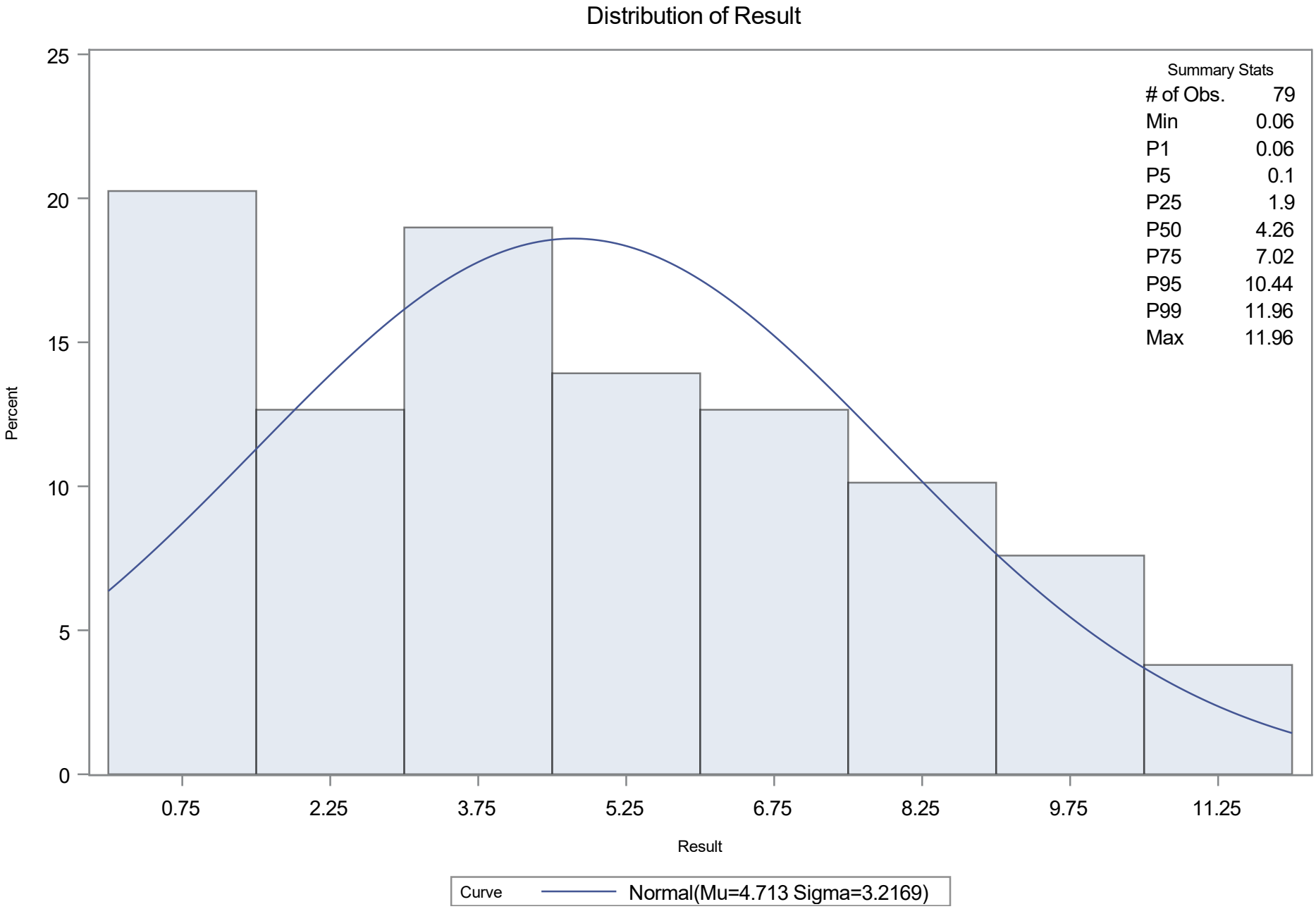

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at FDEP SBIO Station FDEP SBIO SN 53277
Result
6.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0
2
4
6
8
10
12
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.713038
Std Dev	Sigma	3.216876

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07819093	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10596780	**Pr > W-Sq**	0.094
Anderson-Darling	**A-Sq**	0.84329226	**Pr > A-Sq**	0.029

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06000	-2.77054
5.0	0.10000	-0.57825
10.0	0.33000	0.59045
25.0	1.90000	2.54329
50.0	4.26000	4.71304
75.0	7.02000	6.88279
90.0	9.24000	8.83563
95.0	10.44000	10.00433
99.0	11.96000	12.19661

Period of Record: January 1996 through December 2023
Analysis Days Only

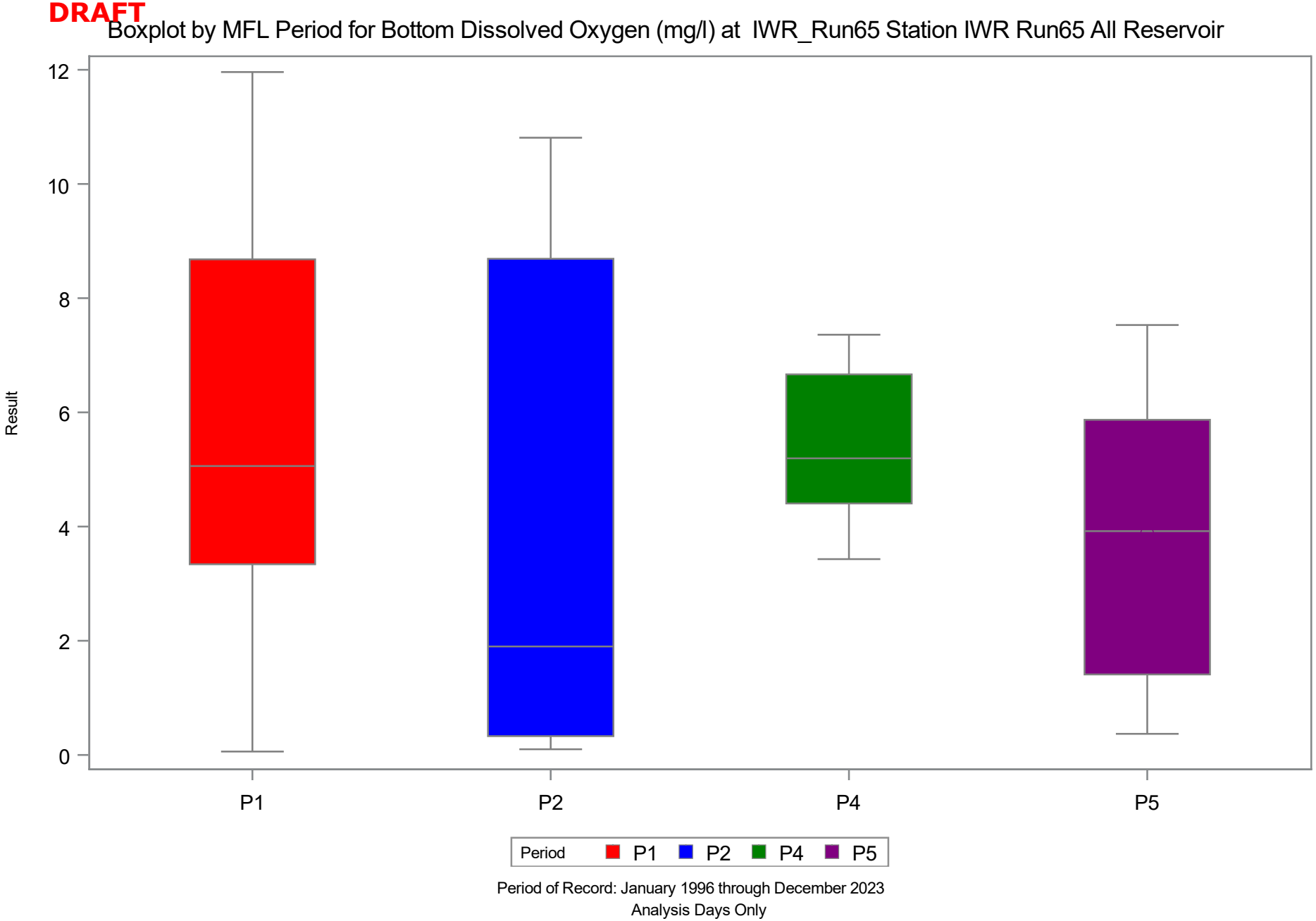
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

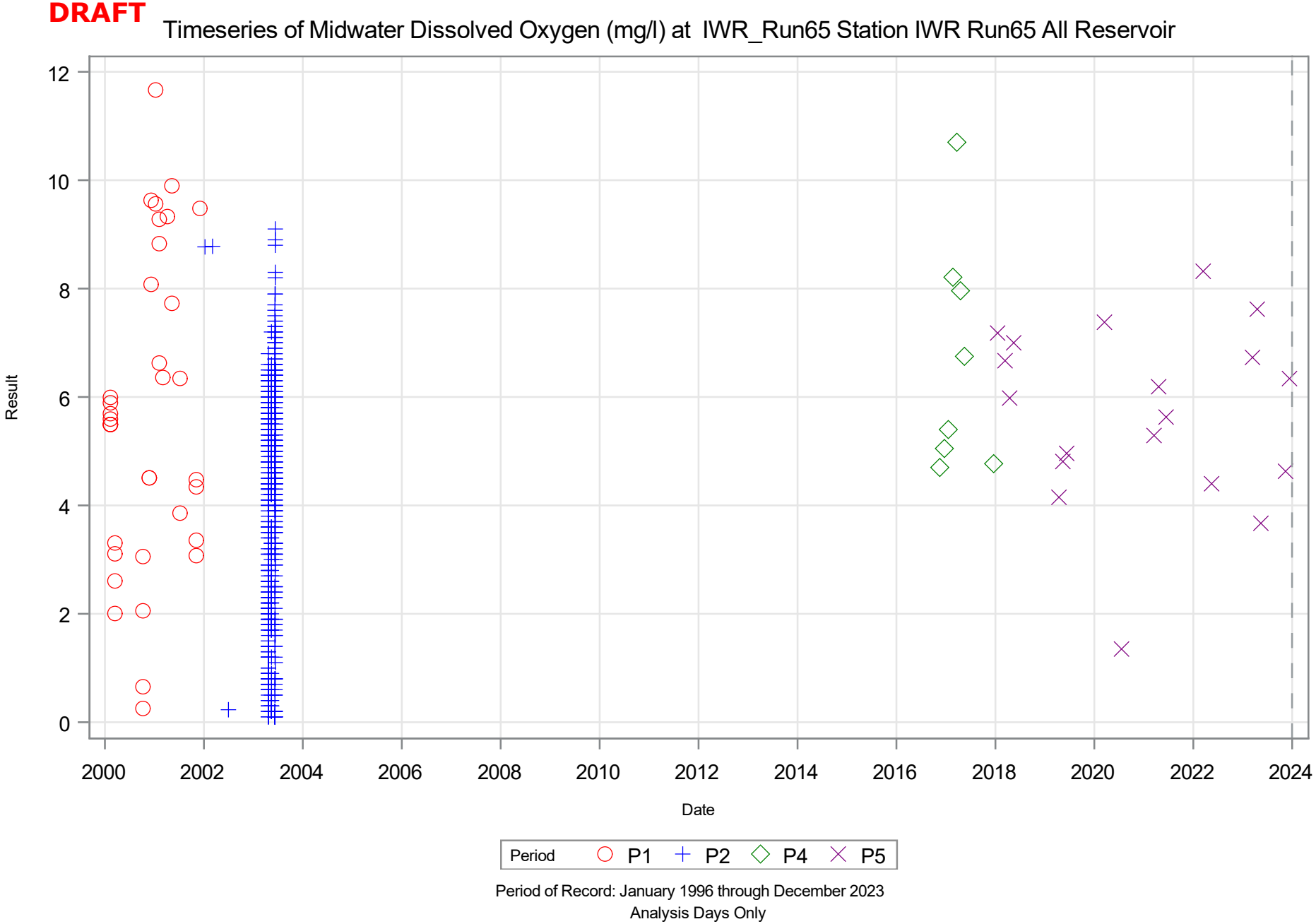
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	0.06	3.34	5.50	5.06	8.68	11.96
P2	15	0.10	0.33	3.46	1.90	8.69	10.81
P4	8	3.43	4.41	5.41	5.20	6.67	7.36
P5	19	0.37	1.41	3.88	3.92	5.87	7.53

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

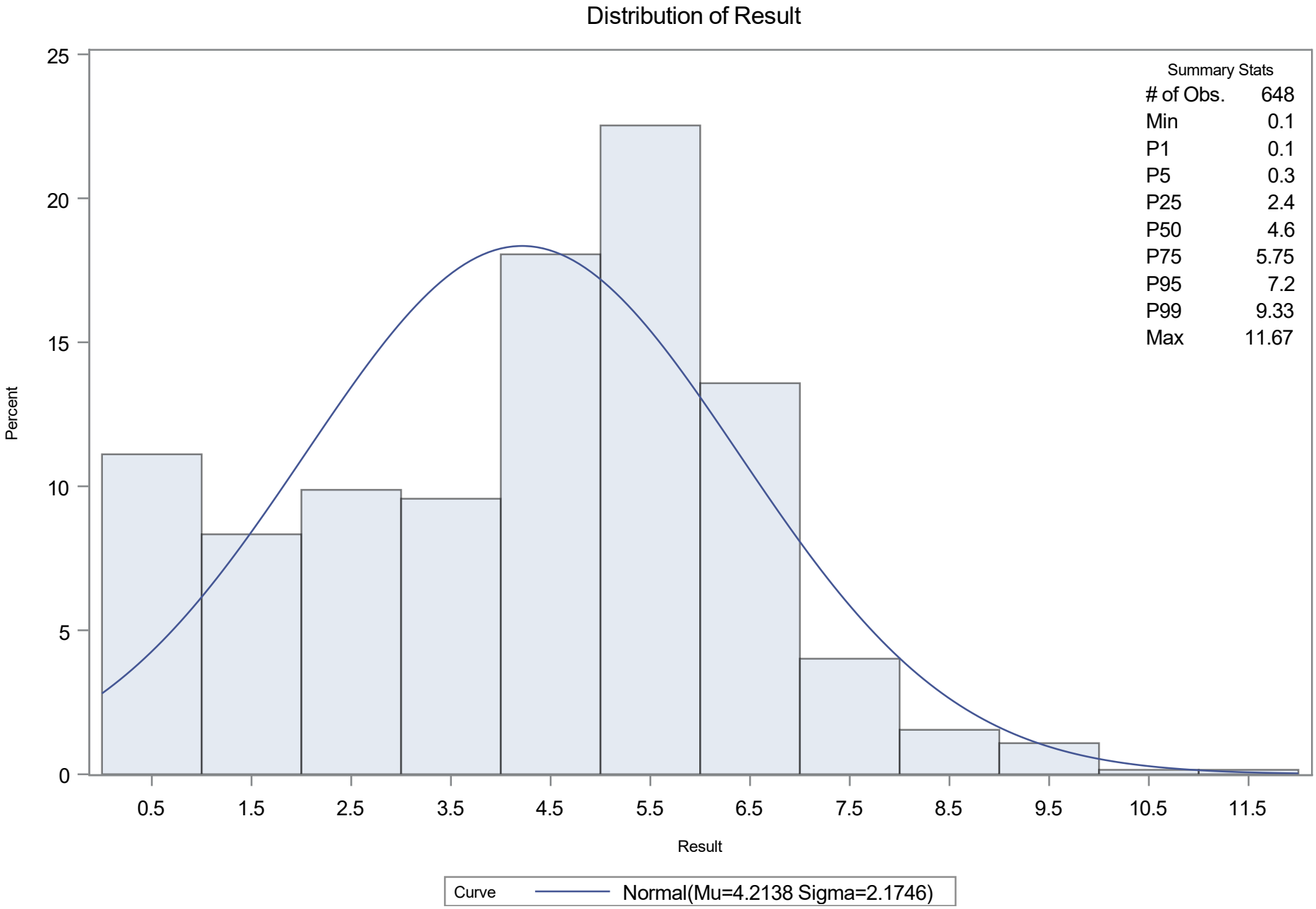

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
12
10
8
6
4
2
0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
12
10
8
6
4
2
0
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.213827
Std Dev	Sigma	2.174564

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08987908	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.23549763	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.19982268	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-0.84497
5.0	0.30000	0.63699
10.0	0.80000	1.42701
25.0	2.40000	2.74711
50.0	4.60000	4.21383
75.0	5.75000	5.68055
90.0	6.50000	7.00064
95.0	7.20000	7.79067
99.0	9.33000	9.27262

Period of Record: January 1996 through December 2023
Analysis Days Only

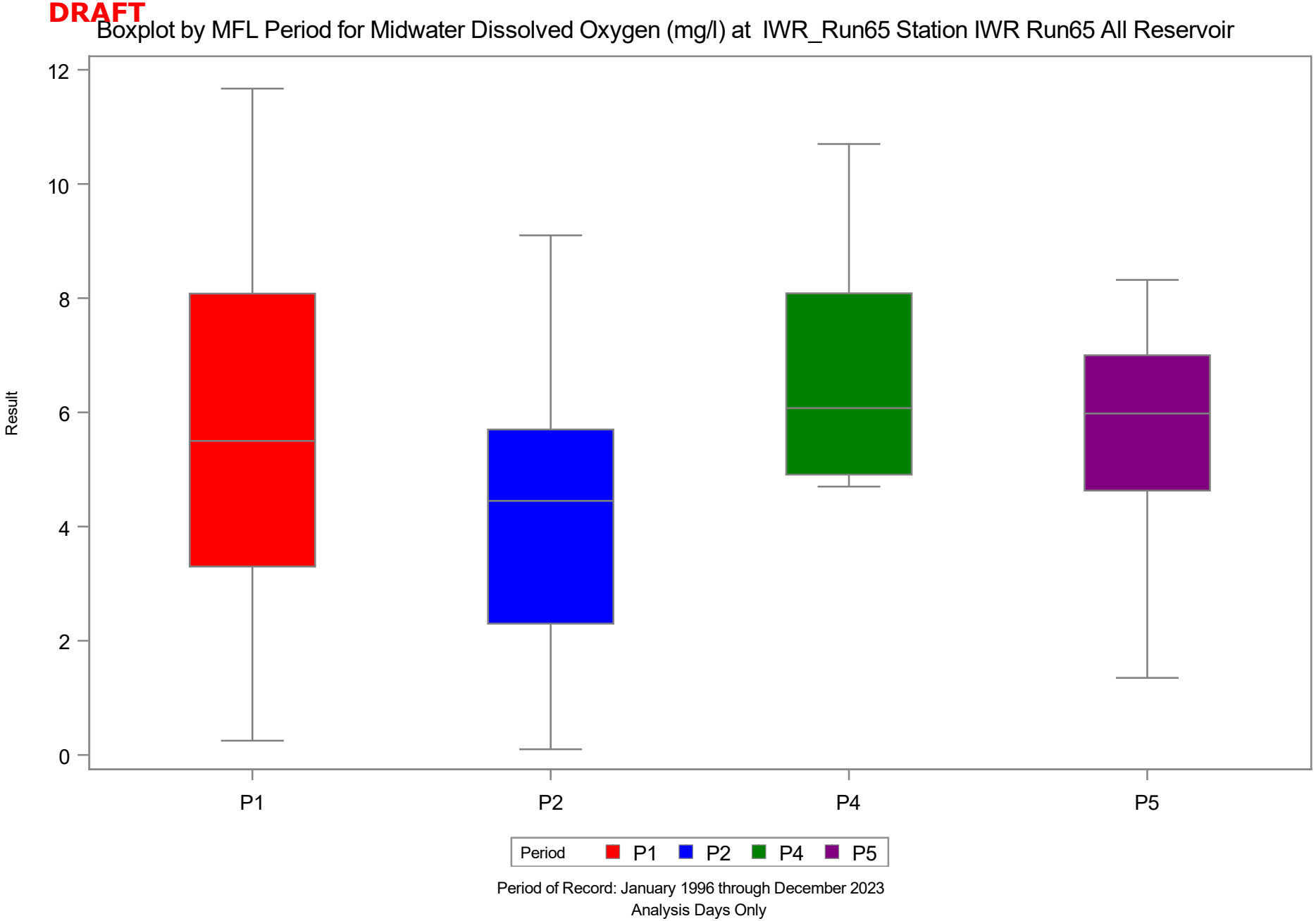
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

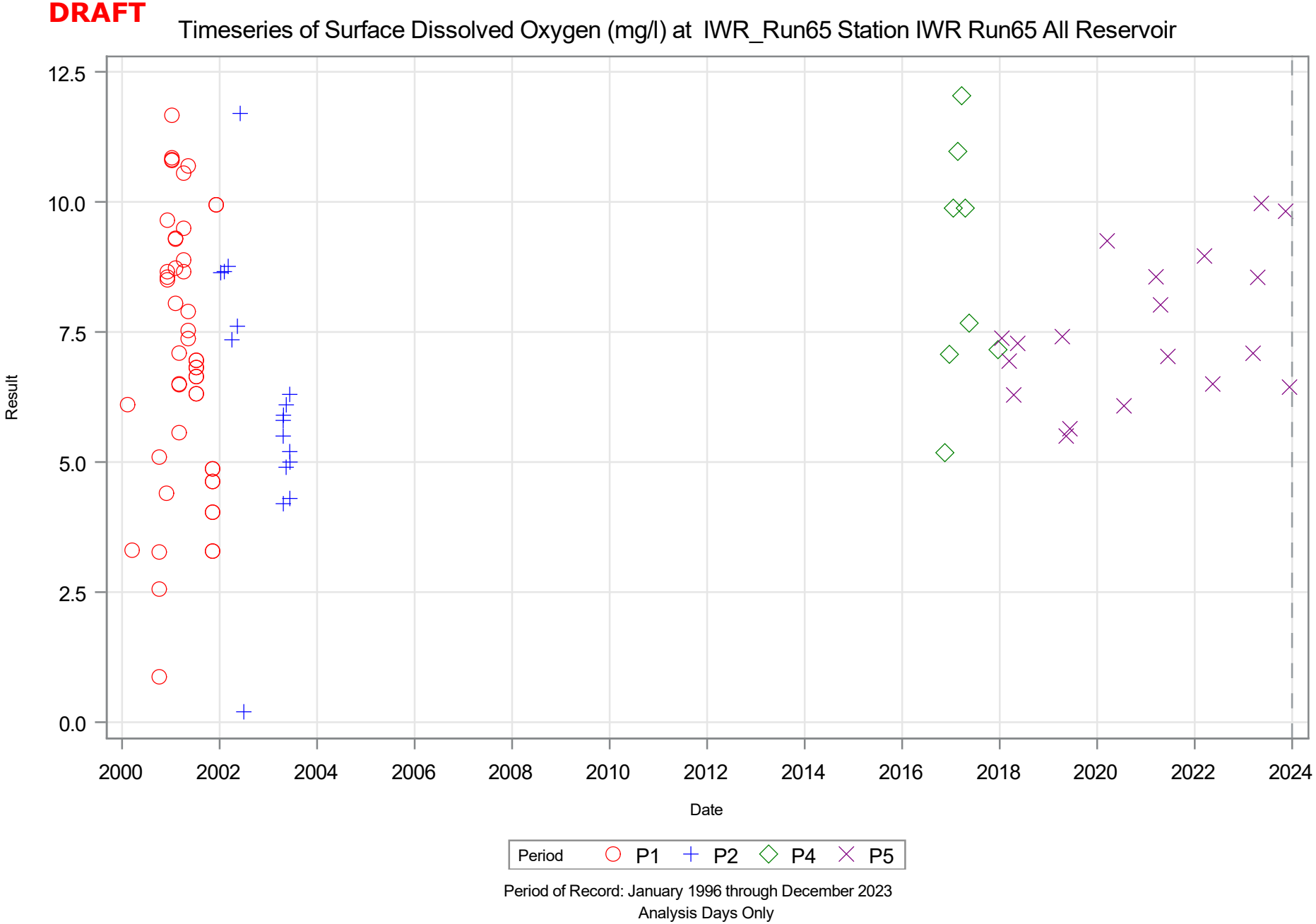
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	35	0.25	3.30	5.65	5.50	8.08	11.67
P2	586	0.10	2.30	4.05	4.45	5.70	9.10
P4	8	4.70	4.91	6.69	6.08	8.09	10.70
P5	19	1.35	4.63	5.70	5.98	7.00	8.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

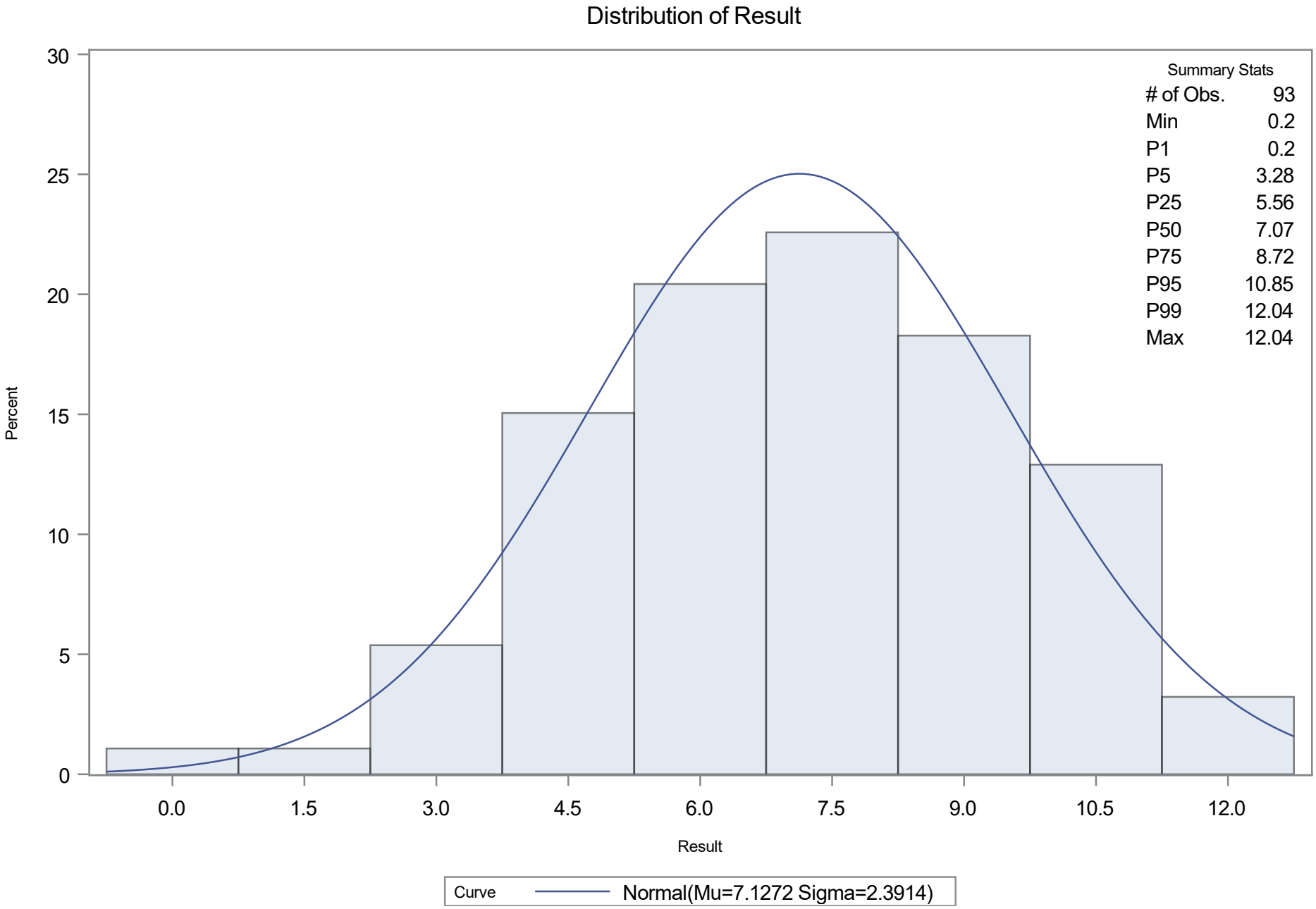

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
12
10
8
6
4
2
0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
12.5
10.0
7.5
5.0
2.5
0.0
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.127204
Std Dev	Sigma	2.391357

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06112431	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03177830	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22749680	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	1.56408
5.0	3.28000	3.19377
10.0	4.20000	4.06256
25.0	5.56000	5.51426
50.0	7.07000	7.12720
75.0	8.72000	8.74015
90.0	9.97000	10.19185
95.0	10.85000	11.06064
99.0	12.04000	12.69033

Period of Record: January 1996 through December 2023
Analysis Days Only

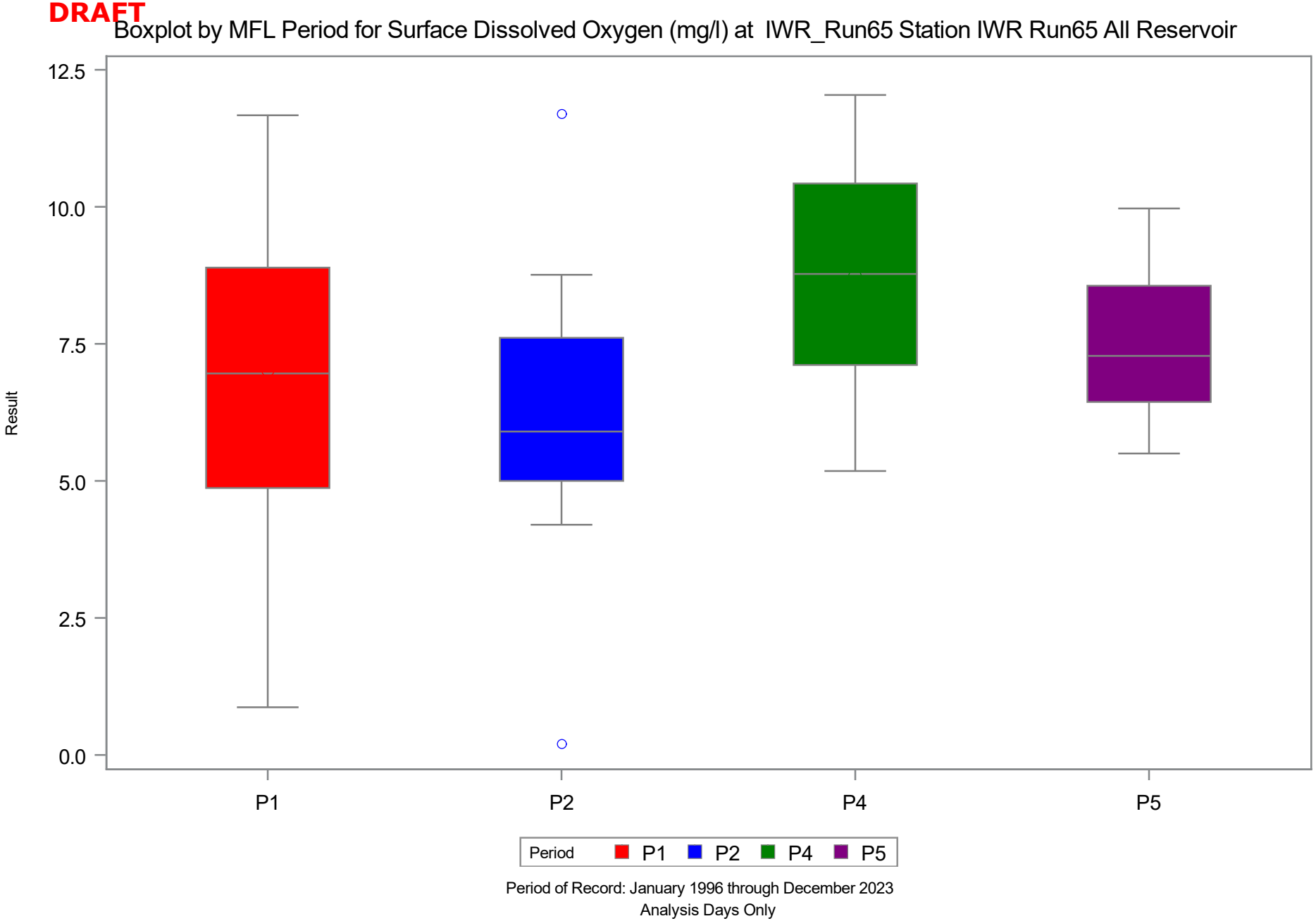
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

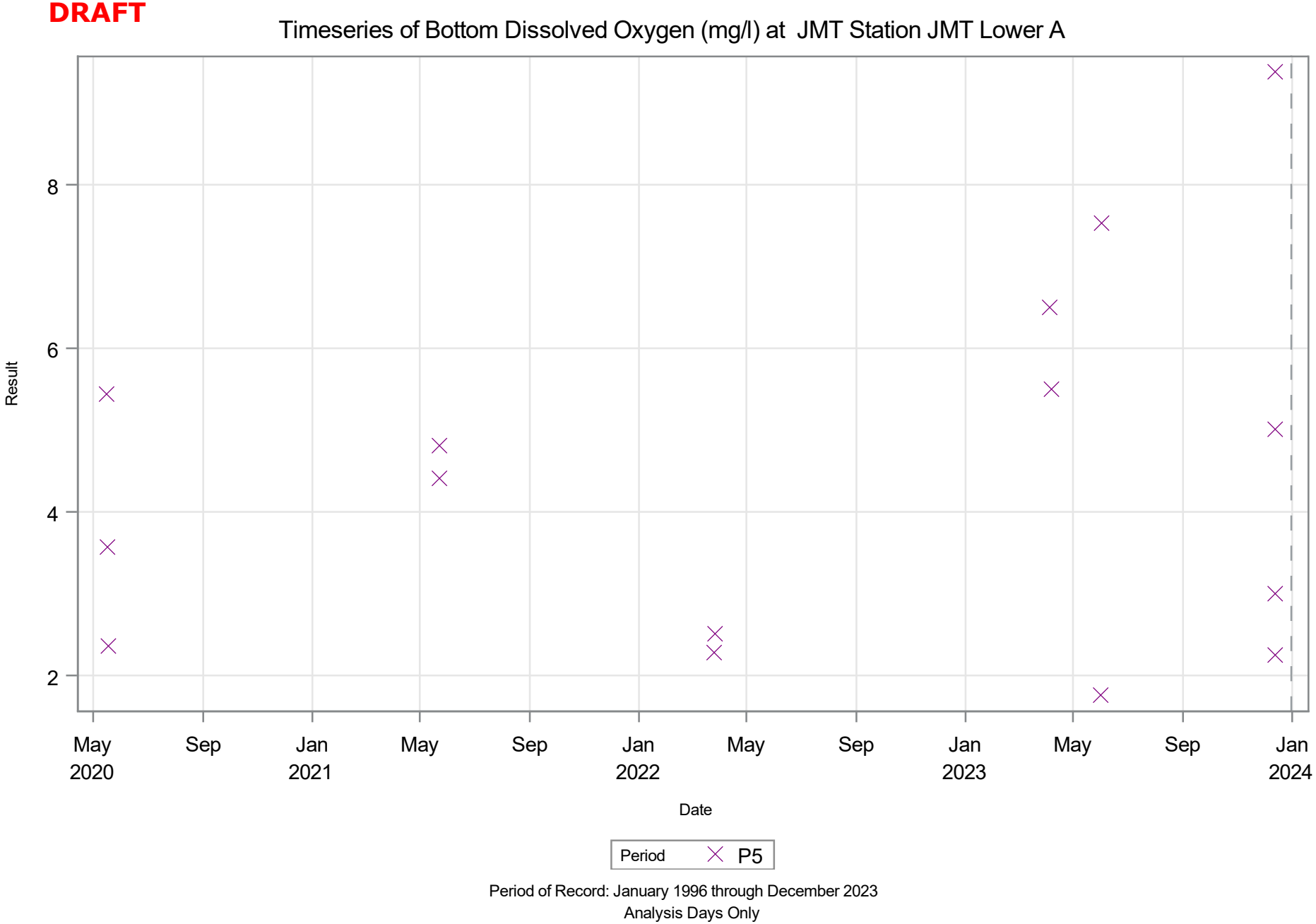
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	49	0.87	4.87	7.02	6.96	8.89	11.67
P2	17	0.20	5.00	6.24	5.90	7.61	11.70
P4	8	5.18	7.12	8.73	8.78	10.43	12.04
P5	19	5.50	6.44	7.51	7.28	8.56	9.97

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

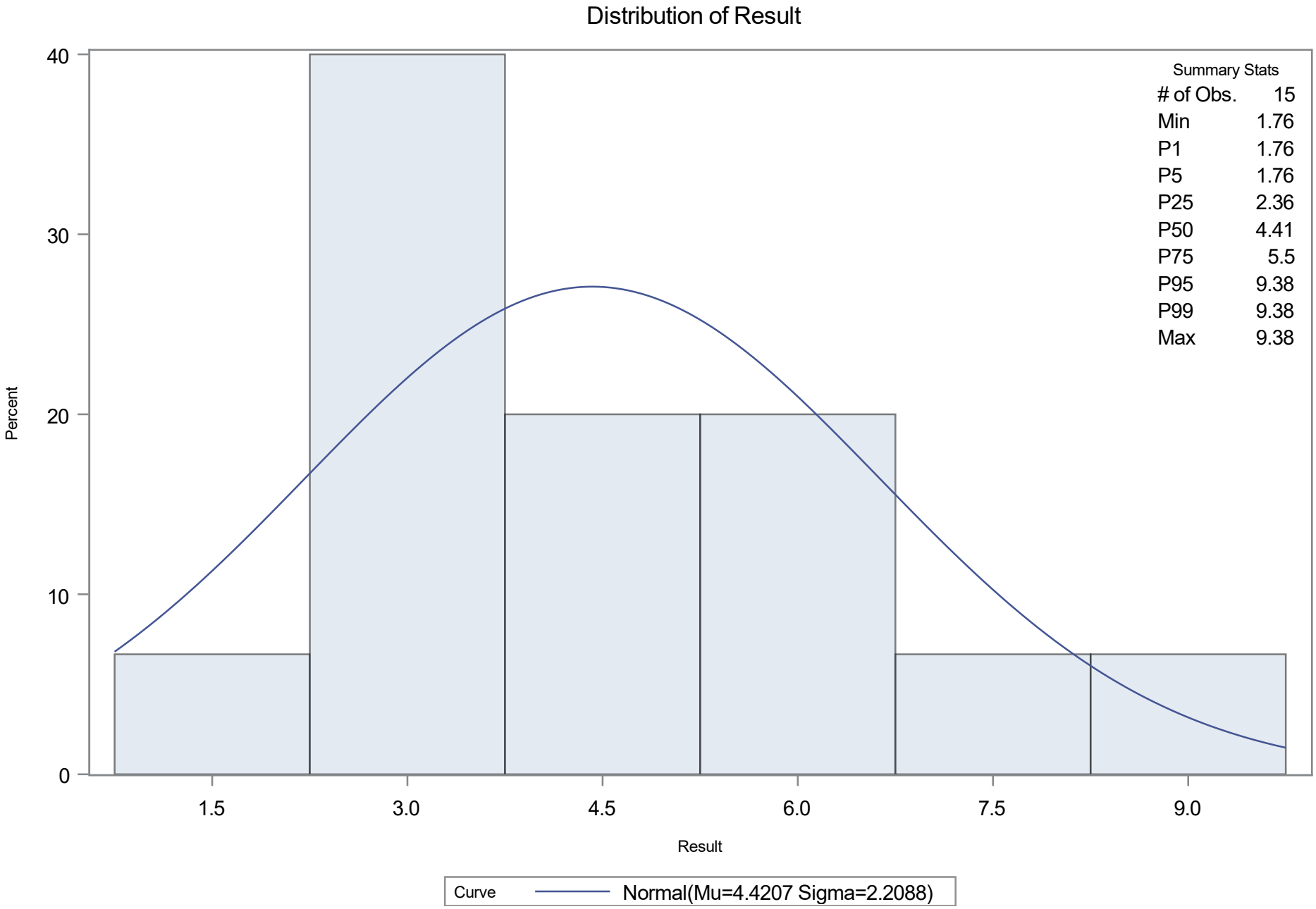
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.420667
Std Dev	Sigma	2.208779

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13994986	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05751038	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41253309	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.76000	-0.71772
5.0	1.76000	0.78755
10.0	2.25000	1.59000
25.0	2.36000	2.93087
50.0	4.41000	4.42067
75.0	5.50000	5.91047
90.0	7.53000	7.25133
95.0	9.38000	8.05379
99.0	9.38000	9.55906

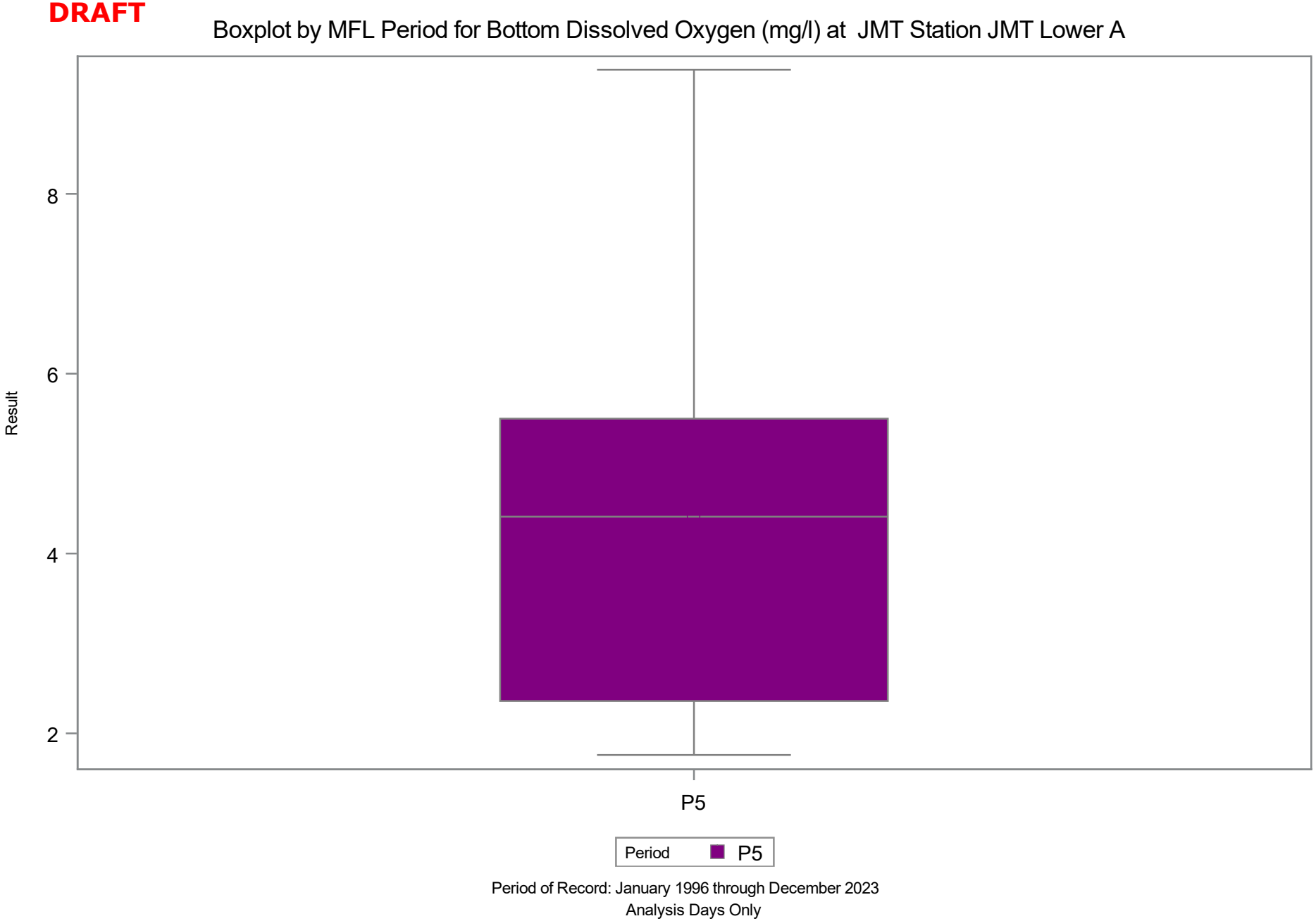
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower A**

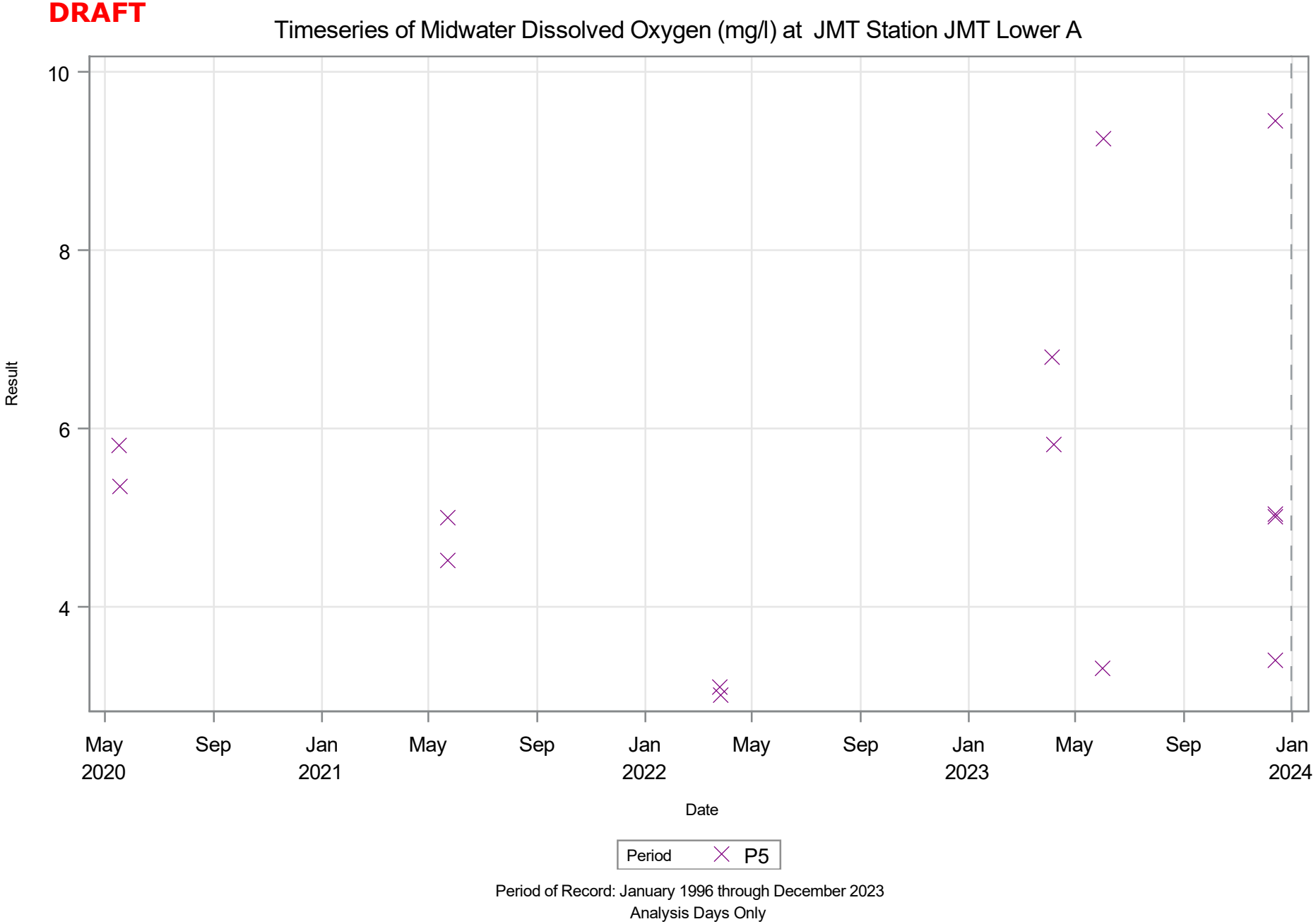
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	1.76	2.36	4.42	4.41	5.50	9.38

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

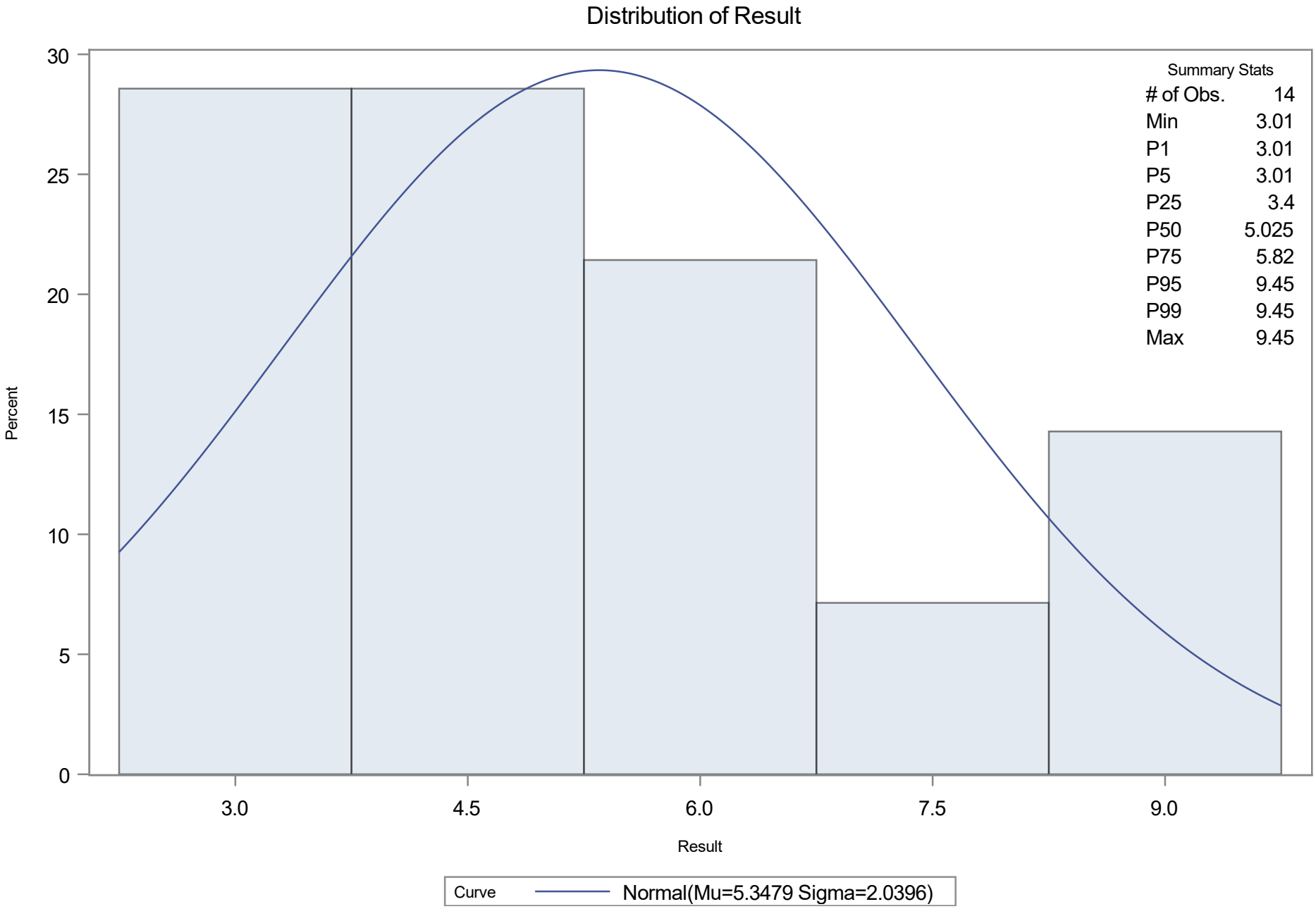

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower A
Result
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower A
Result
10
8
6
4
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.347857
Std Dev	Sigma	2.039612

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19418269	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08818897	**Pr > W-Sq**	0.149
Anderson-Darling	**A-Sq**	0.61282765	**Pr > A-Sq**	0.091

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.01000	0.60301
5.0	3.01000	1.99299
10.0	3.10000	2.73399
25.0	3.40000	3.97216
50.0	5.02500	5.34786
75.0	5.82000	6.72355
90.0	9.25000	7.96173
95.0	9.45000	8.70272
99.0	9.45000	10.09270

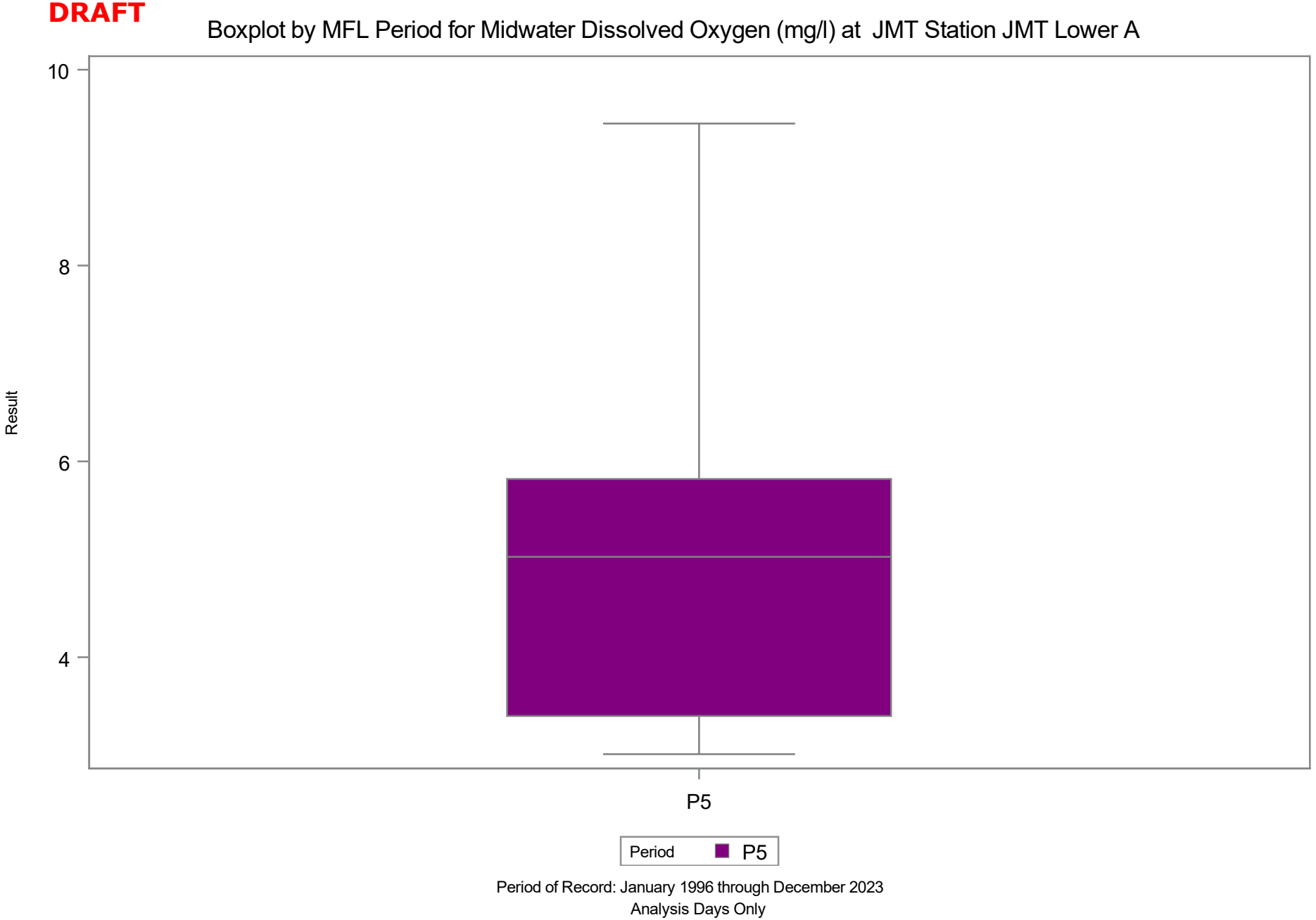
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower A**

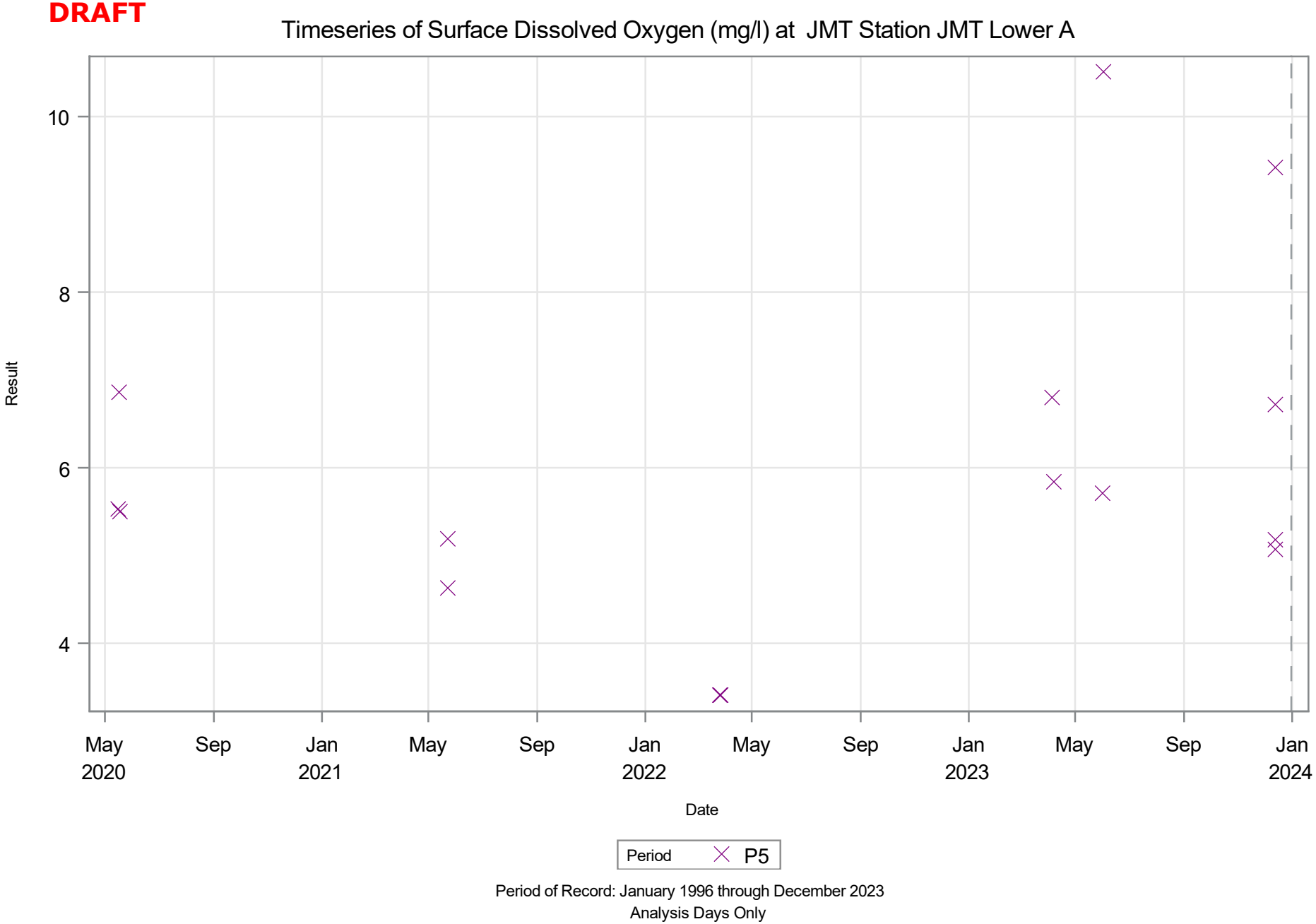
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	3.01	3.40	5.35	5.03	5.82	9.45

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower A
Result
10
8
6
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

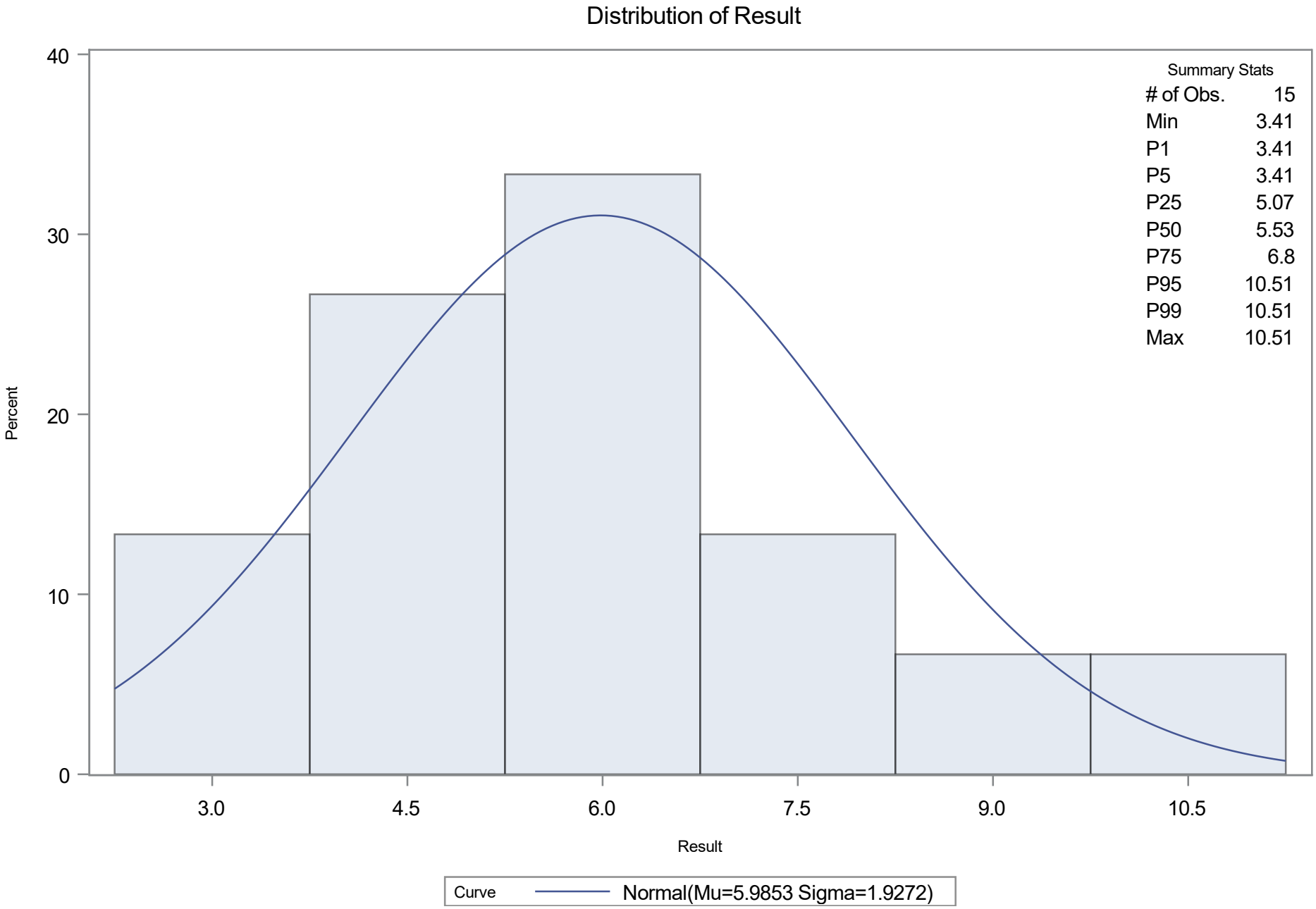
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.985333
Std Dev	Sigma	1.927218

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19672279	**Pr > D**	0.118
Cramer-von Mises	**W-Sq**	0.11821817	**Pr > W-Sq**	0.059
Anderson-Darling	**A-Sq**	0.69770664	**Pr > A-Sq**	0.055

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.41000	1.50195
5.0	3.41000	2.81534
10.0	3.41000	3.51550
25.0	5.07000	4.68544
50.0	5.53000	5.98533
75.0	6.80000	7.28522
90.0	9.42000	8.45516
95.0	10.51000	9.15532
99.0	10.51000	10.46871

Period of Record: January 1996 through December 2023
Analysis Days Only

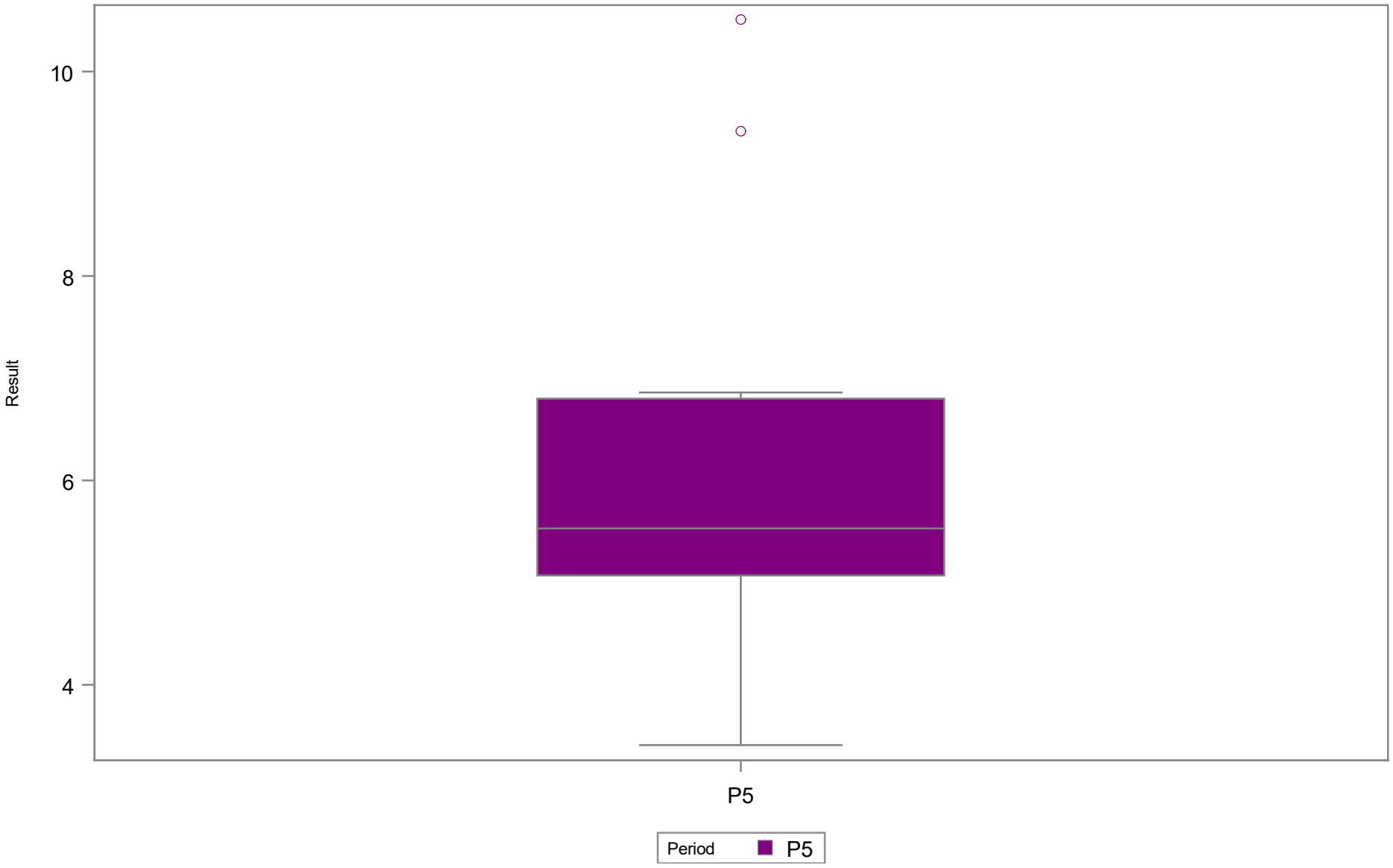
DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower A**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	3.41	5.07	5.99	5.53	6.80	10.51

Period of Record: January 1996 through December 2023
Analysis Days Only

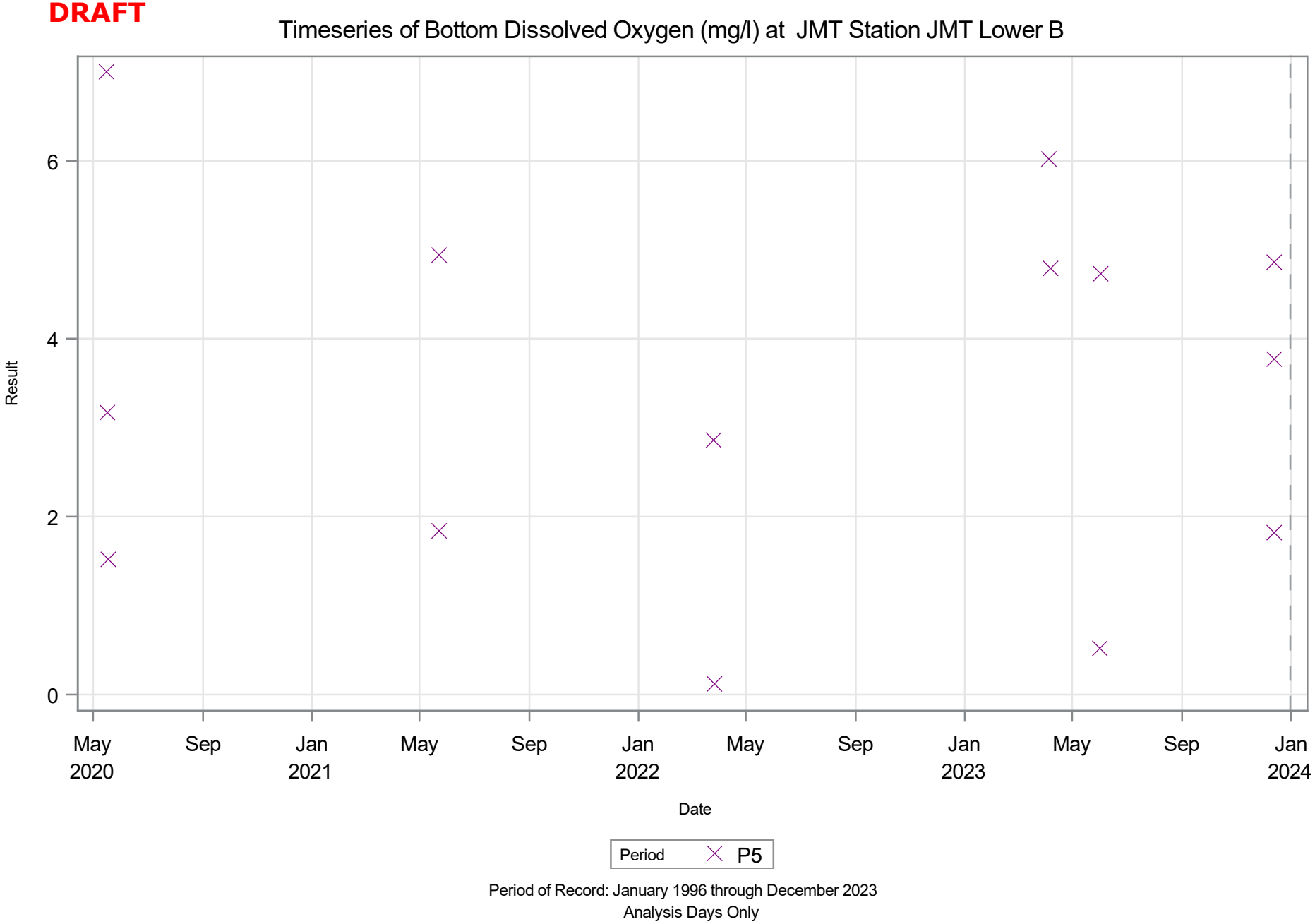
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

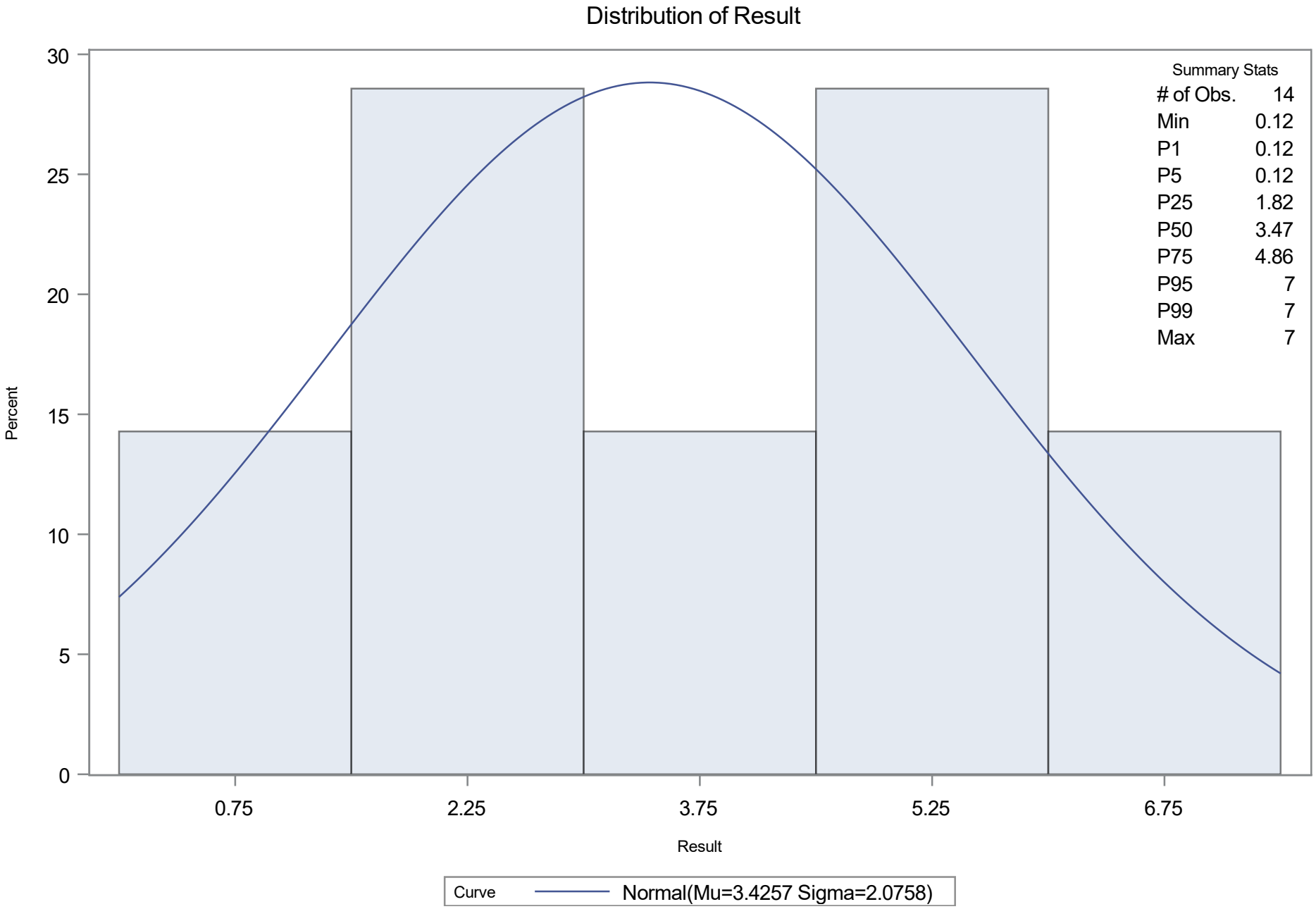
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.425714
Std Dev	Sigma	2.075831

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16367424	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04258834	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25534247	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.12000	-1.40339
5.0	0.12000	0.01128
10.0	0.52000	0.76543
25.0	1.82000	2.02559
50.0	3.47000	3.42571
75.0	4.86000	4.82584
90.0	6.02000	6.08600
95.0	7.00000	6.84015
99.0	7.00000	8.25482

Period of Record: January 1996 through December 2023
Analysis Days Only

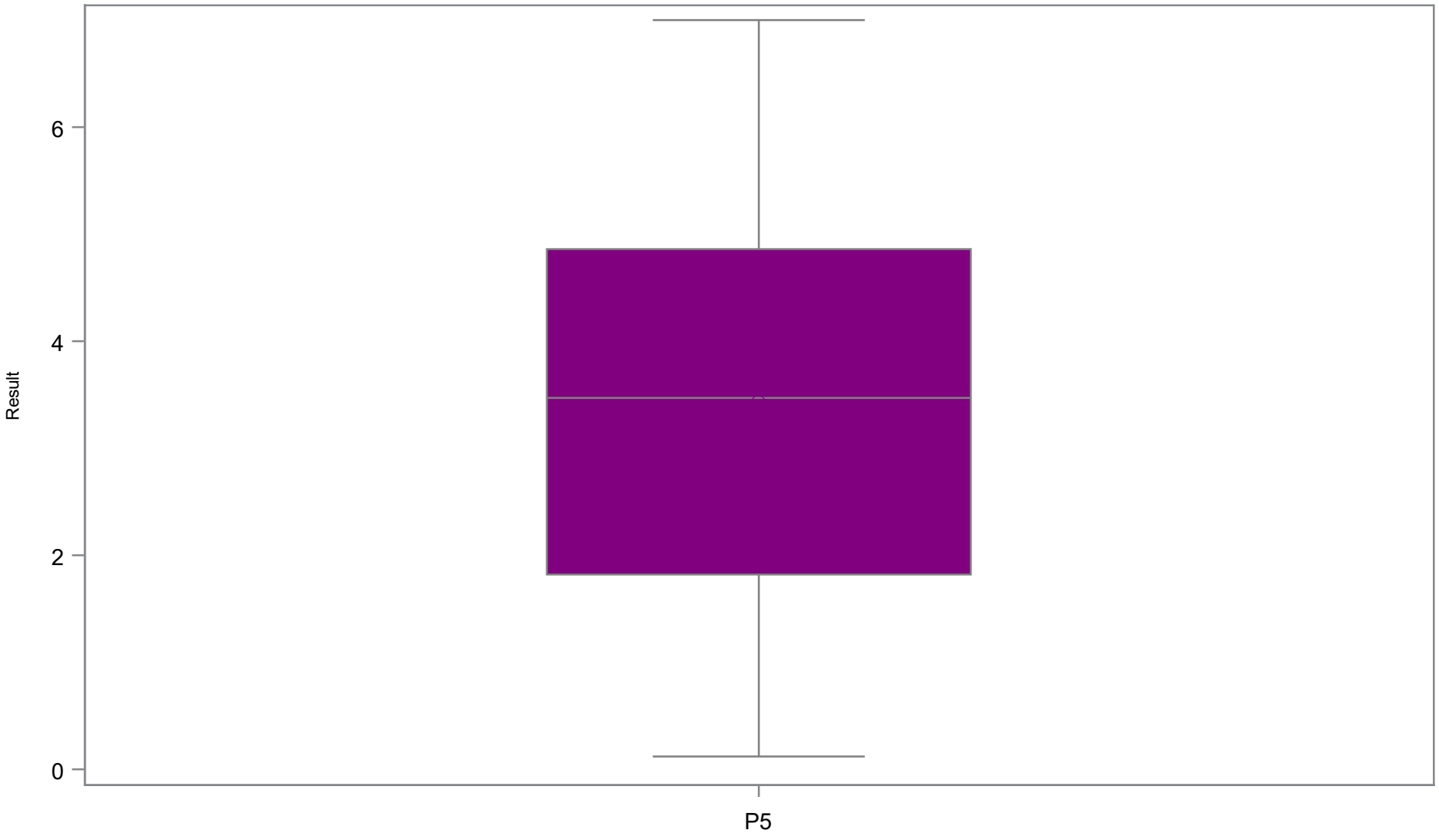
DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower B**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	0.12	1.82	3.43	3.47	4.86	7.00

Period of Record: January 1996 through December 2023
Analysis Days Only

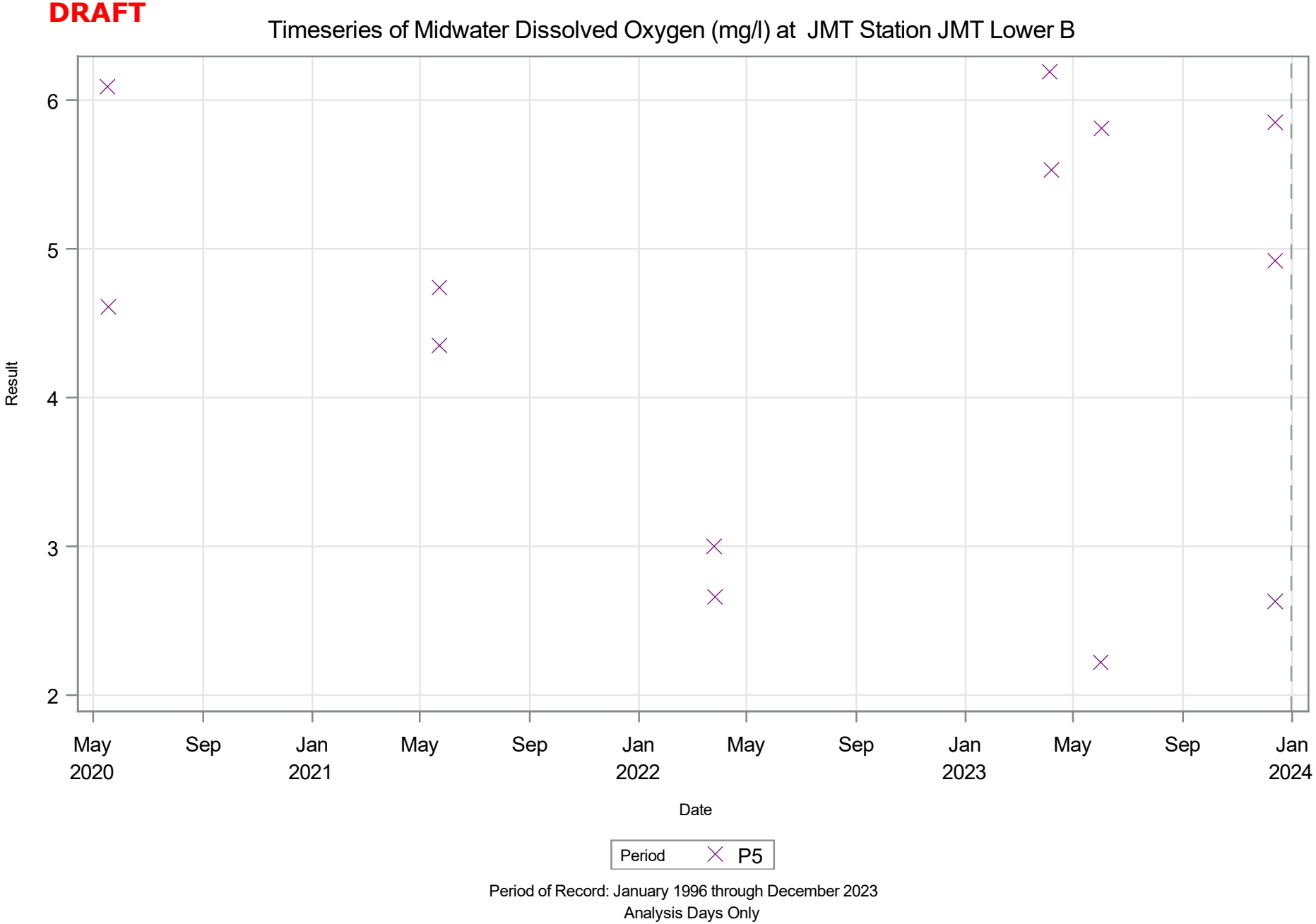
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

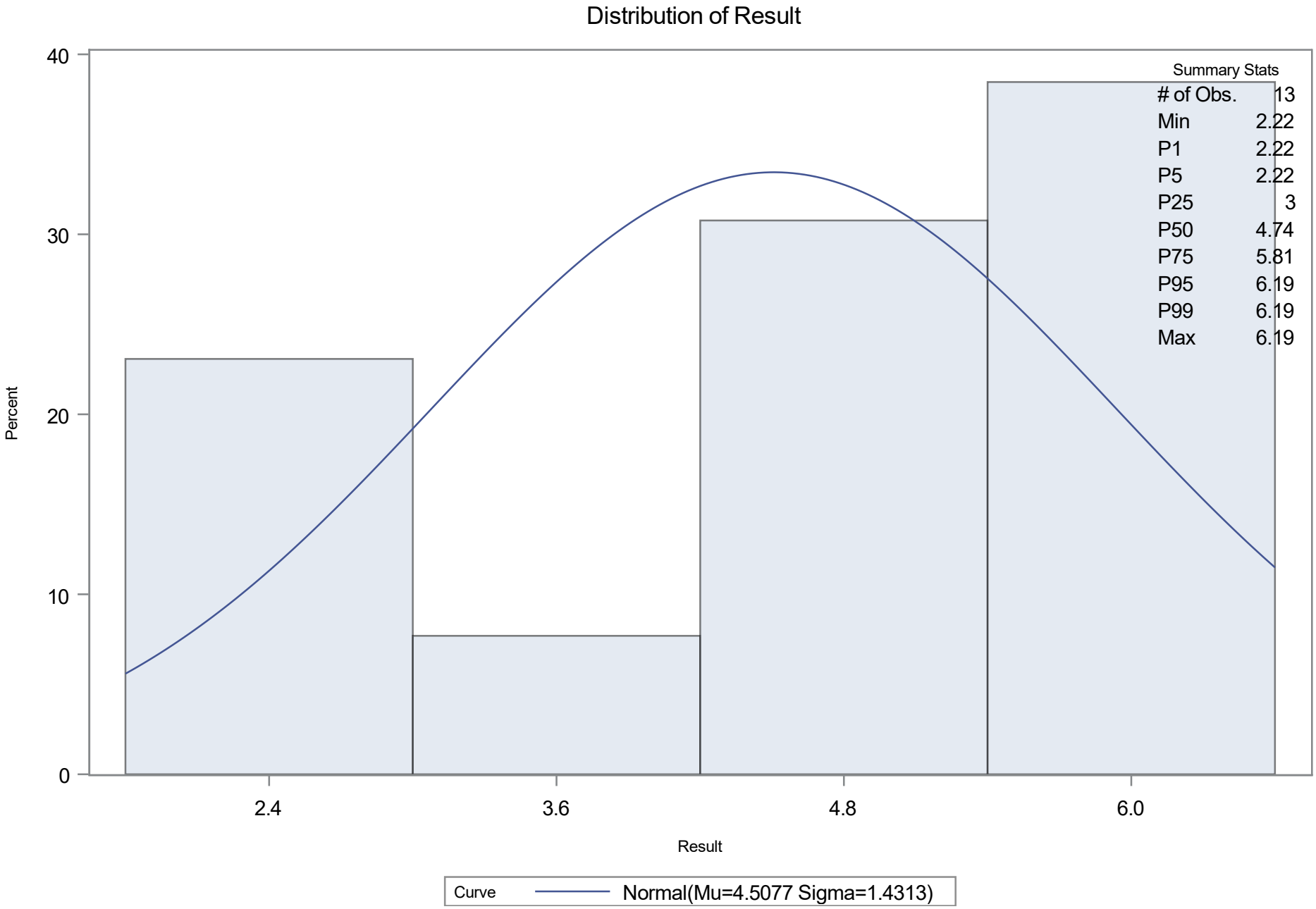
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.507692
Std Dev	Sigma	1.431271

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16161213	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08662630	**Pr > W-Sq**	0.156
Anderson-Darling	**A-Sq**	0.56586580	**Pr > A-Sq**	0.118

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.22000	1.17806
5.0	2.22000	2.15346
10.0	2.63000	2.67345
25.0	3.00000	3.54231
50.0	4.74000	4.50769
75.0	5.81000	5.47307
90.0	6.09000	6.34194
95.0	6.19000	6.86192
99.0	6.19000	7.83733

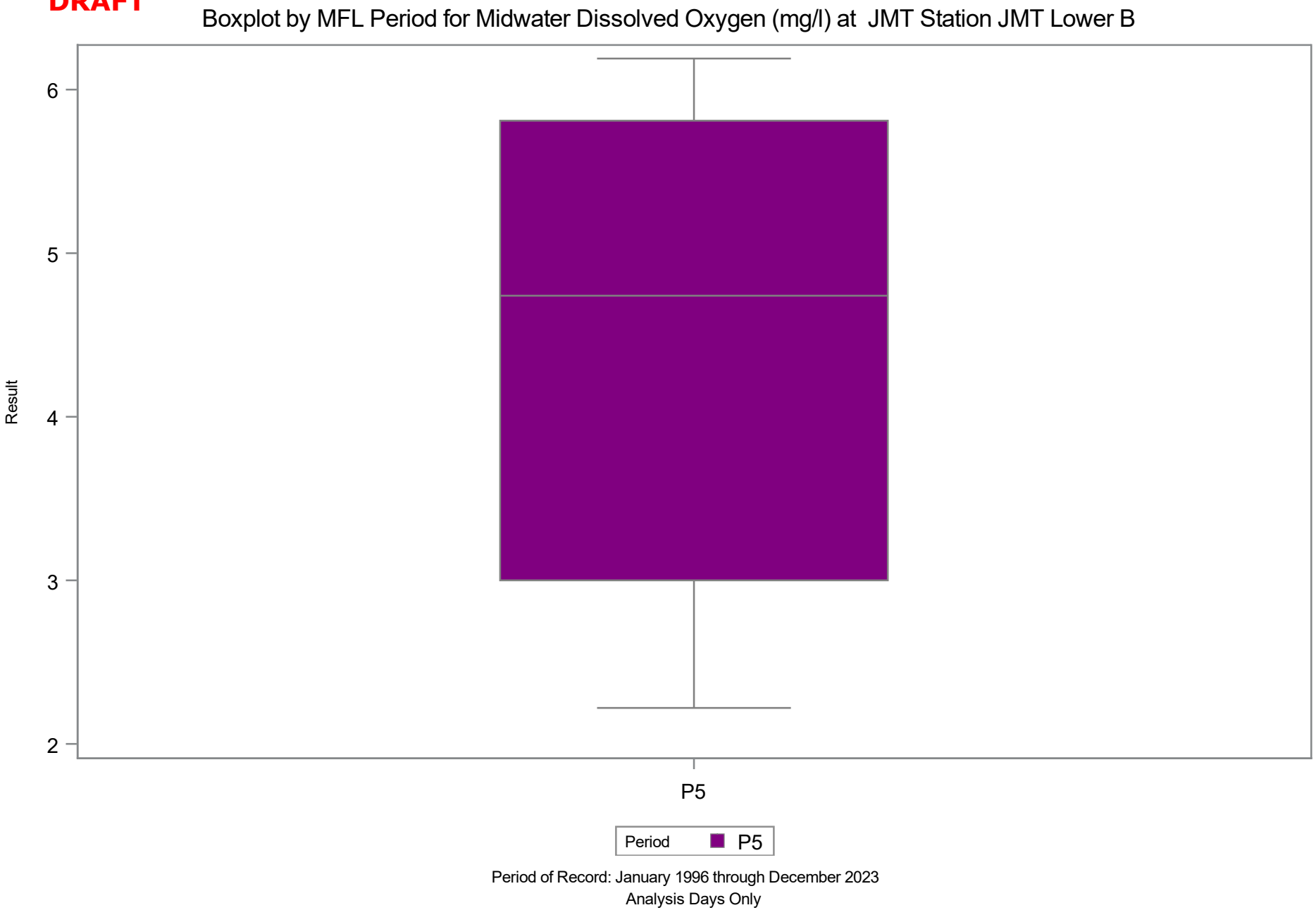
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower B**

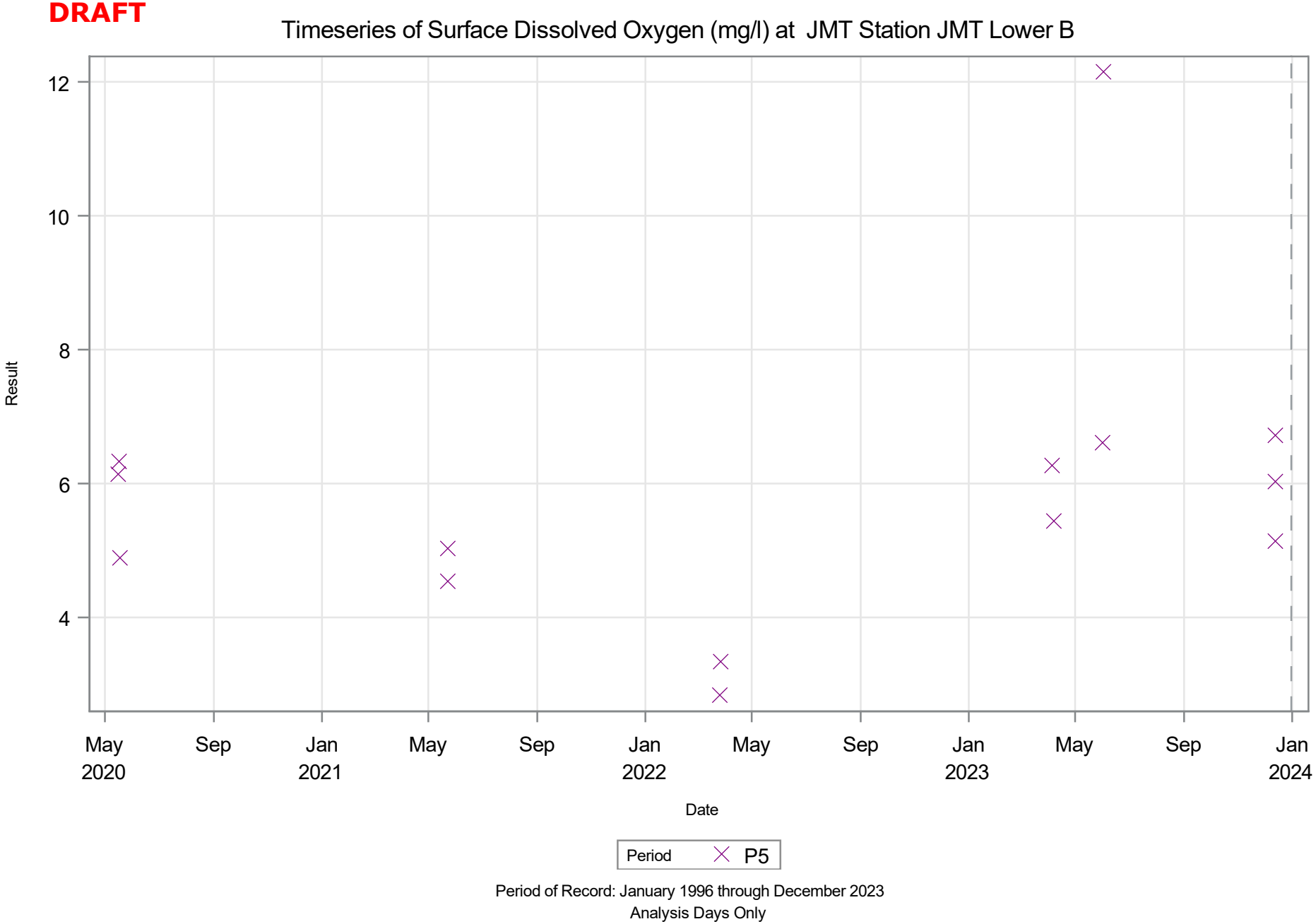
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	2.22	3.00	4.51	4.74	5.81	6.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Lower B
Result
6
5
4
3
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

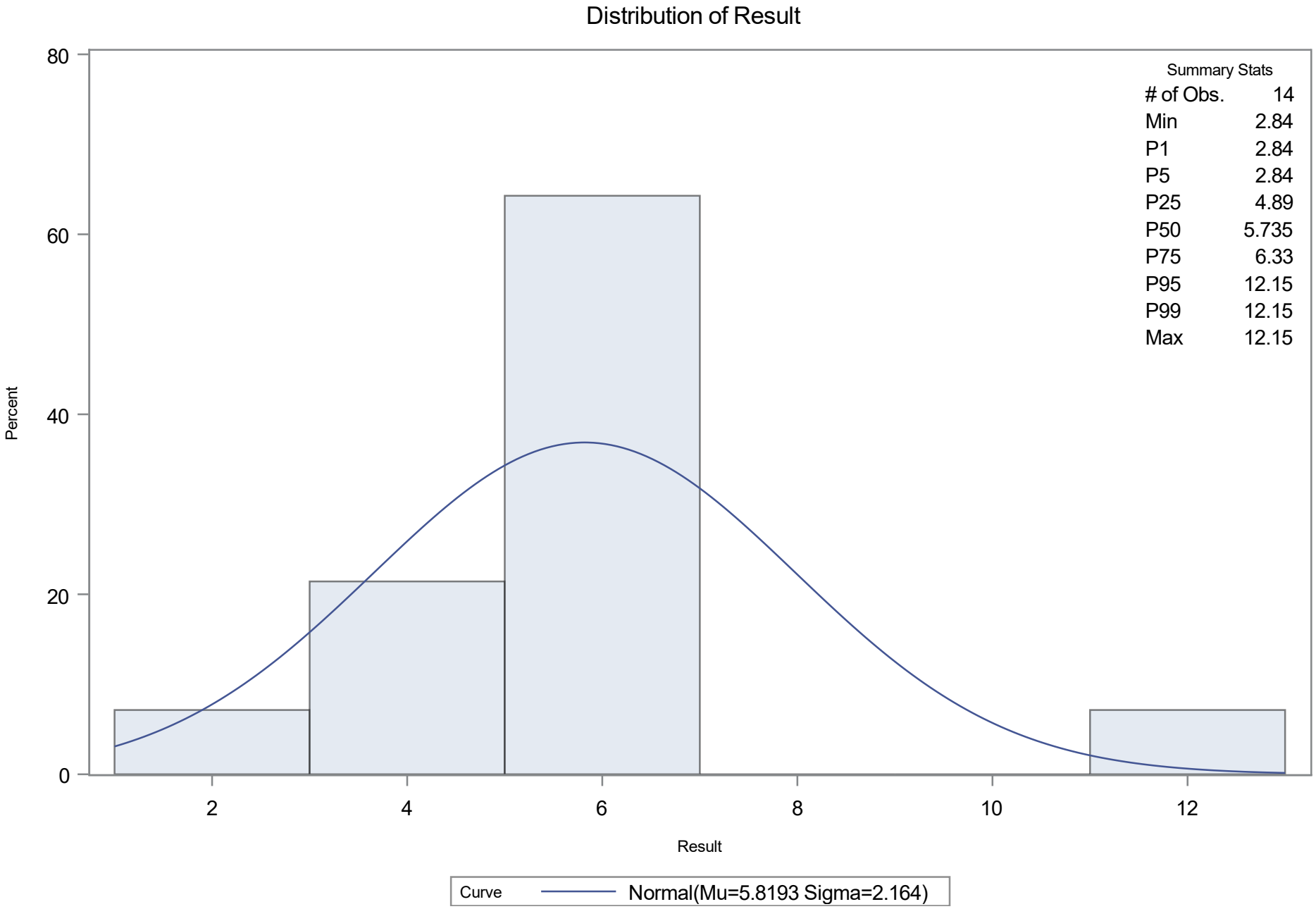
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.819286
Std Dev	Sigma	2.16399

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26719285	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.15098044	**Pr > W-Sq**	0.021
Anderson-Darling	**A-Sq**	0.94988107	**Pr > A-Sq**	0.012

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.84000	0.78509
5.0	2.84000	2.25984
10.0	3.34000	3.04602
25.0	4.89000	4.35970
50.0	5.73500	5.81929
75.0	6.33000	7.27887
90.0	6.72000	8.59255
95.0	12.15000	9.37873
99.0	12.15000	10.85348

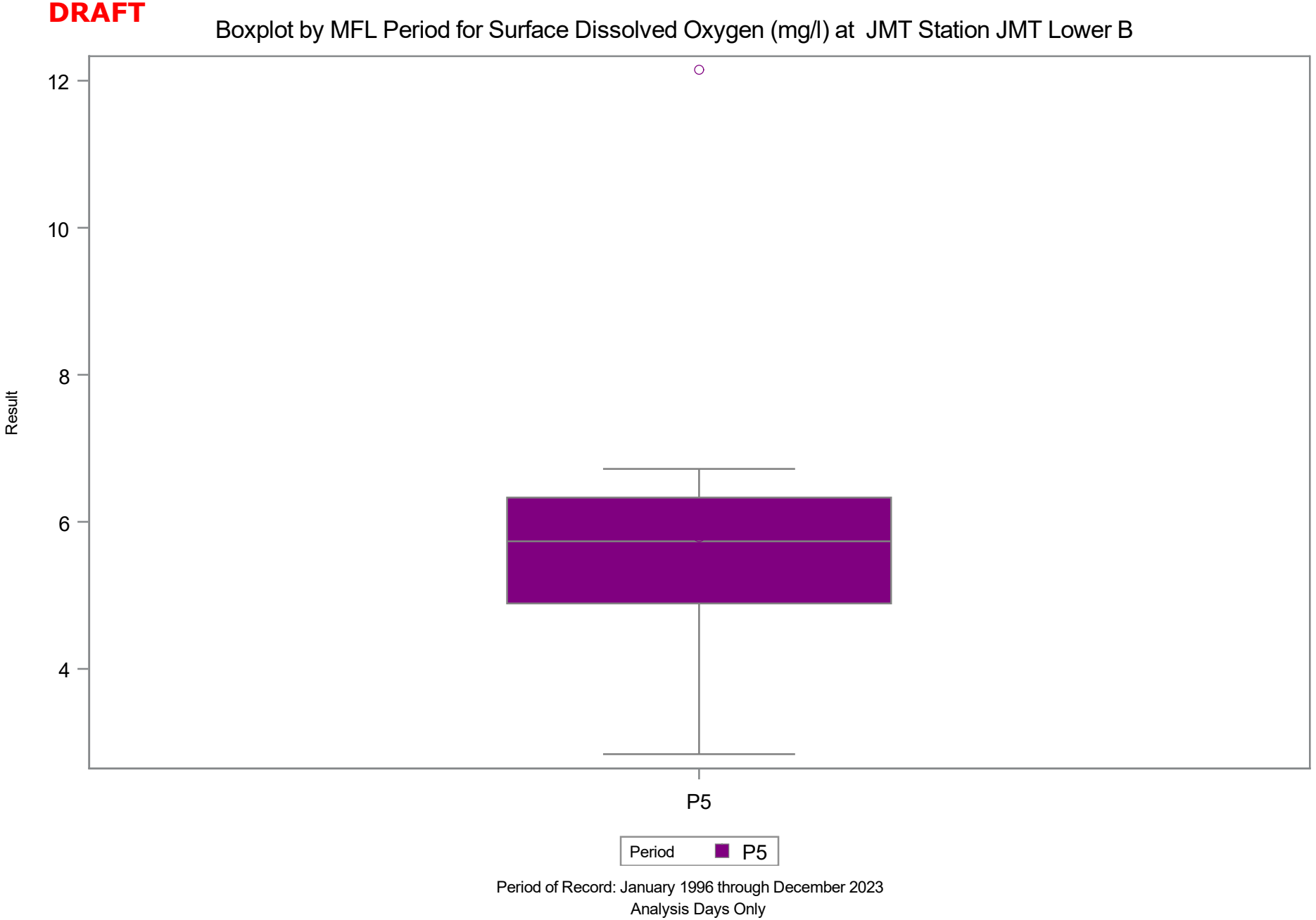
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower B**

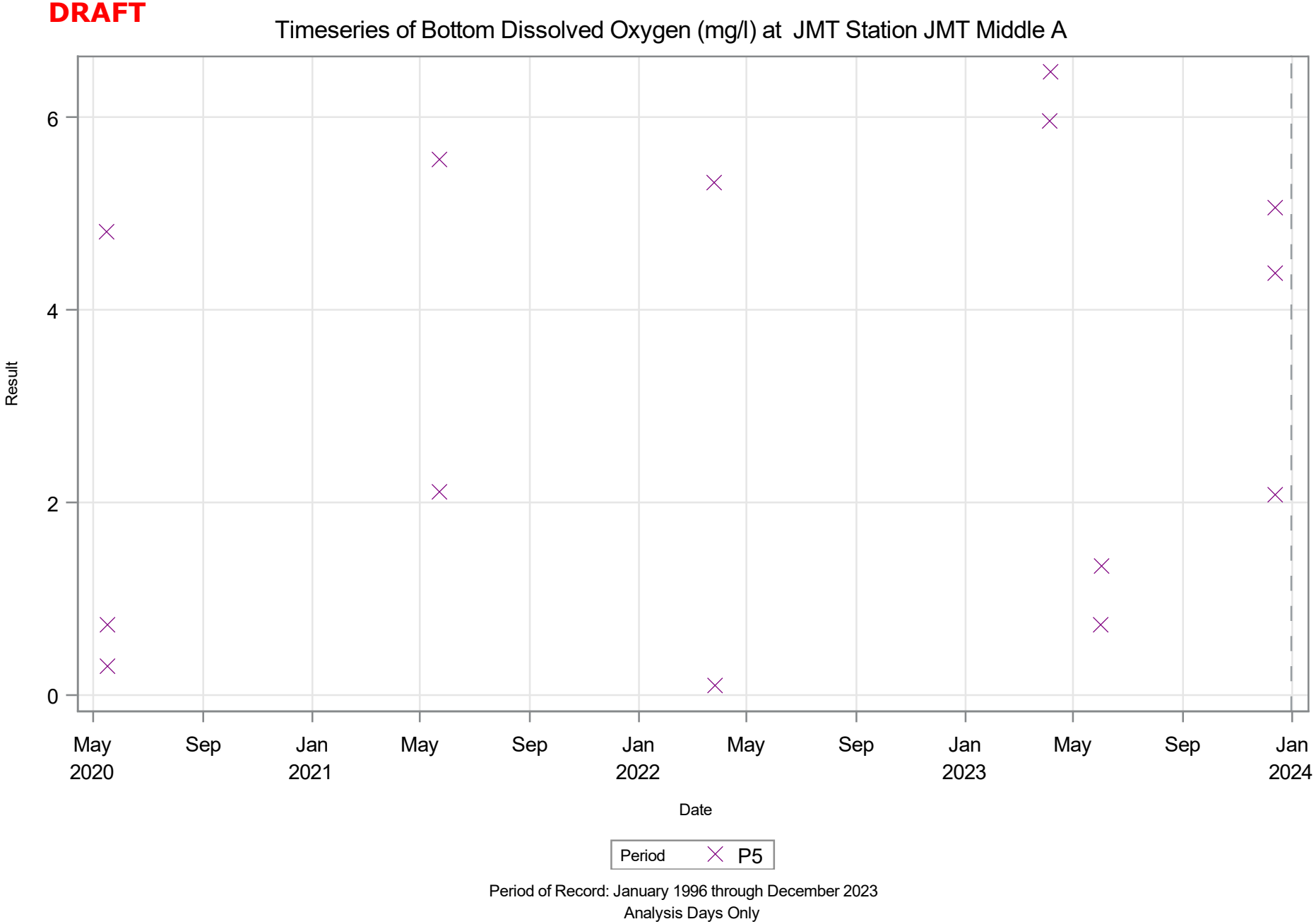
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.84	4.89	5.82	5.74	6.33	12.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

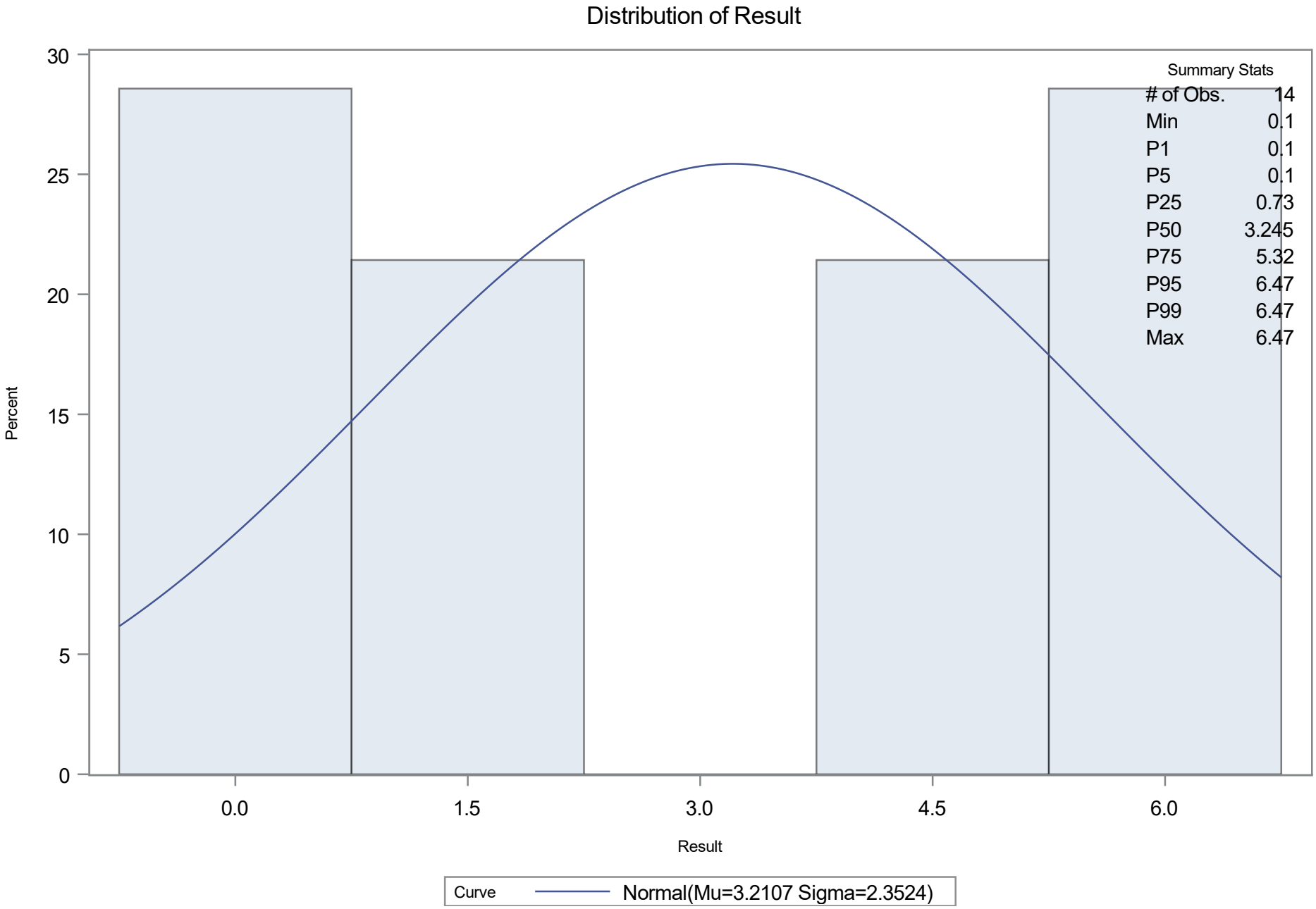

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Lower B
Result
12
10
8
6
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle A
Result
6
4
2
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.210714
Std Dev	Sigma	2.352427

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19042485	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.12272478	**Pr > W-Sq**	0.049
Anderson-Darling	**A-Sq**	0.70368141	**Pr > A-Sq**	0.051

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-2.26185
5.0	0.10000	-0.65868
10.0	0.30000	0.19596
25.0	0.73000	1.62403
50.0	3.24500	3.21071
75.0	5.32000	4.79740
90.0	5.96000	6.22547
95.0	6.47000	7.08011
99.0	6.47000	8.68328

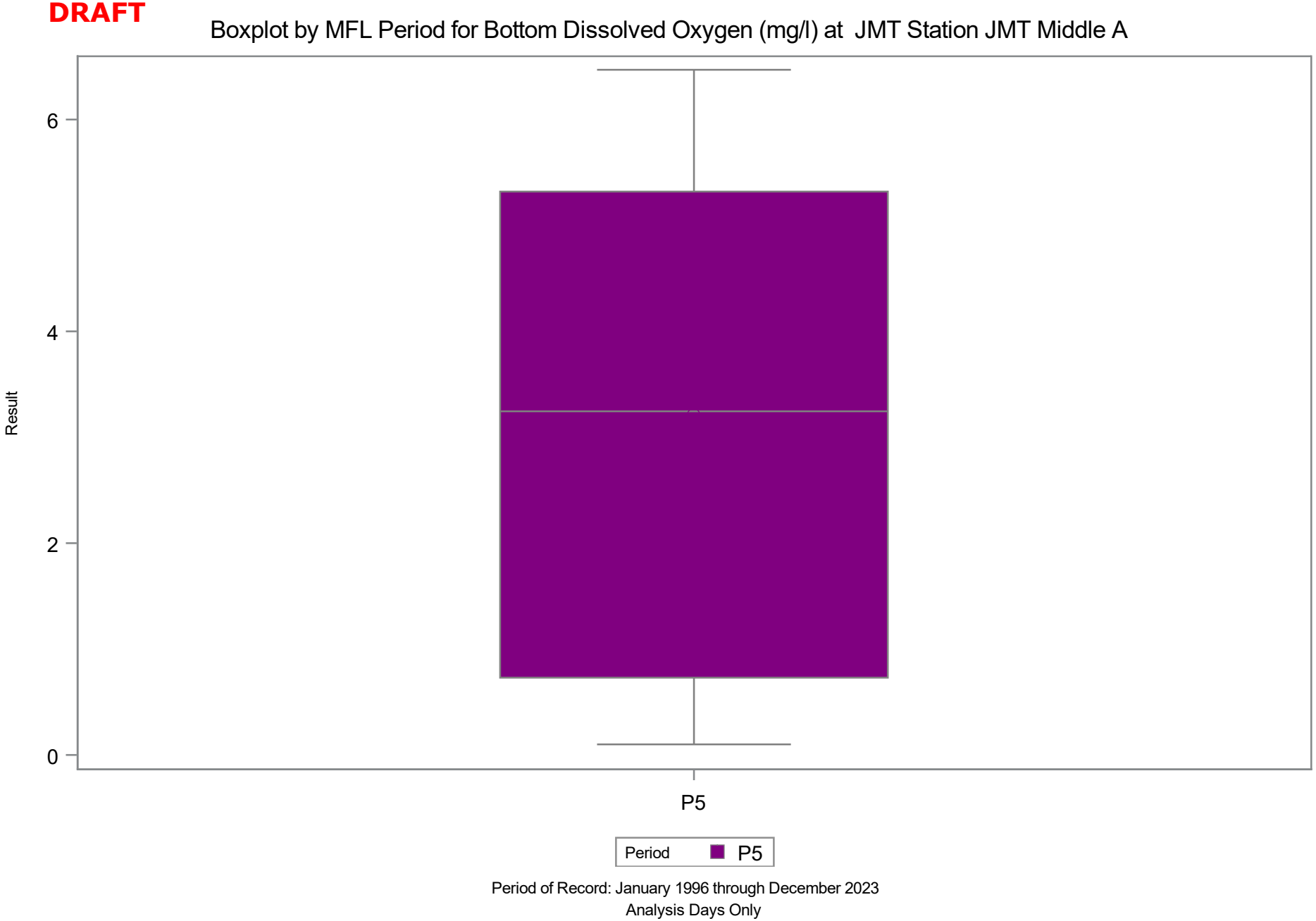
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle A**

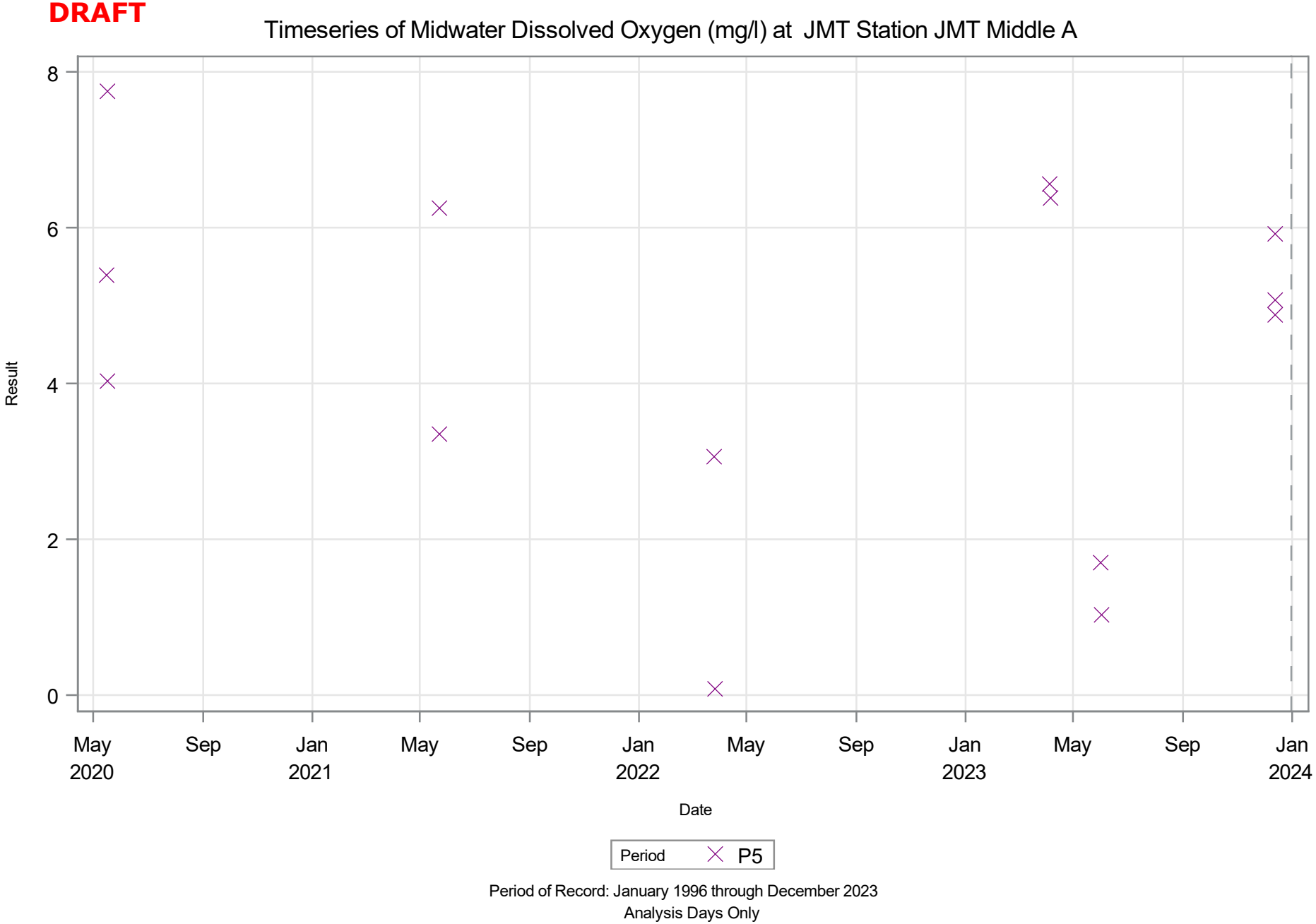
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	0.10	0.73	3.21	3.25	5.32	6.47

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

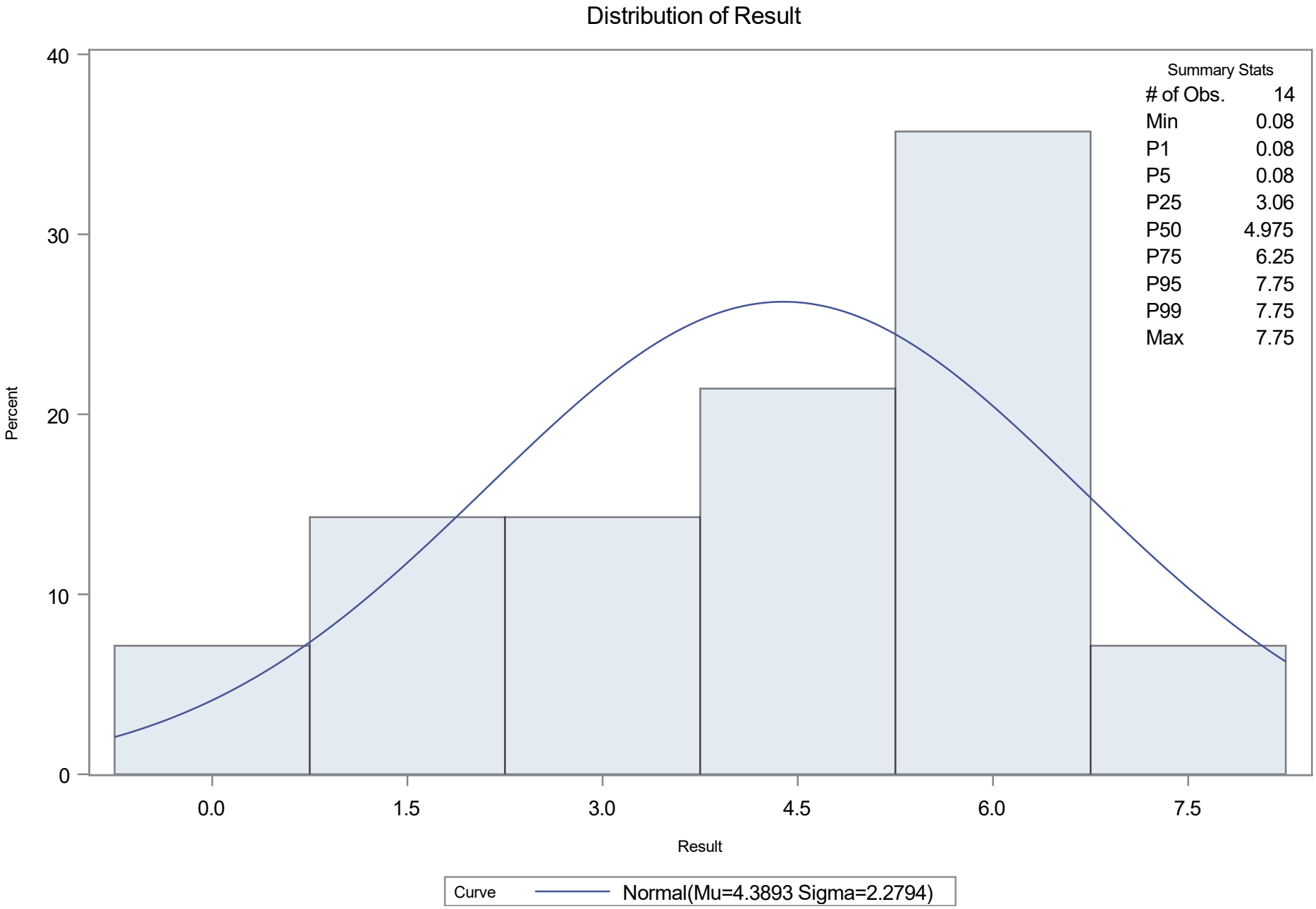

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle A
Result
6
4
2
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle A
Result
8
6
4
2
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.389286
Std Dev	Sigma	2.279398

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15665501	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05115182	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31529417	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.08000	-0.91339
5.0	0.08000	0.64001
10.0	1.03000	1.46812
25.0	3.06000	2.85186
50.0	4.97500	4.38929
75.0	6.25000	5.92672
90.0	6.56000	7.31045
95.0	7.75000	8.13856
99.0	7.75000	9.69196

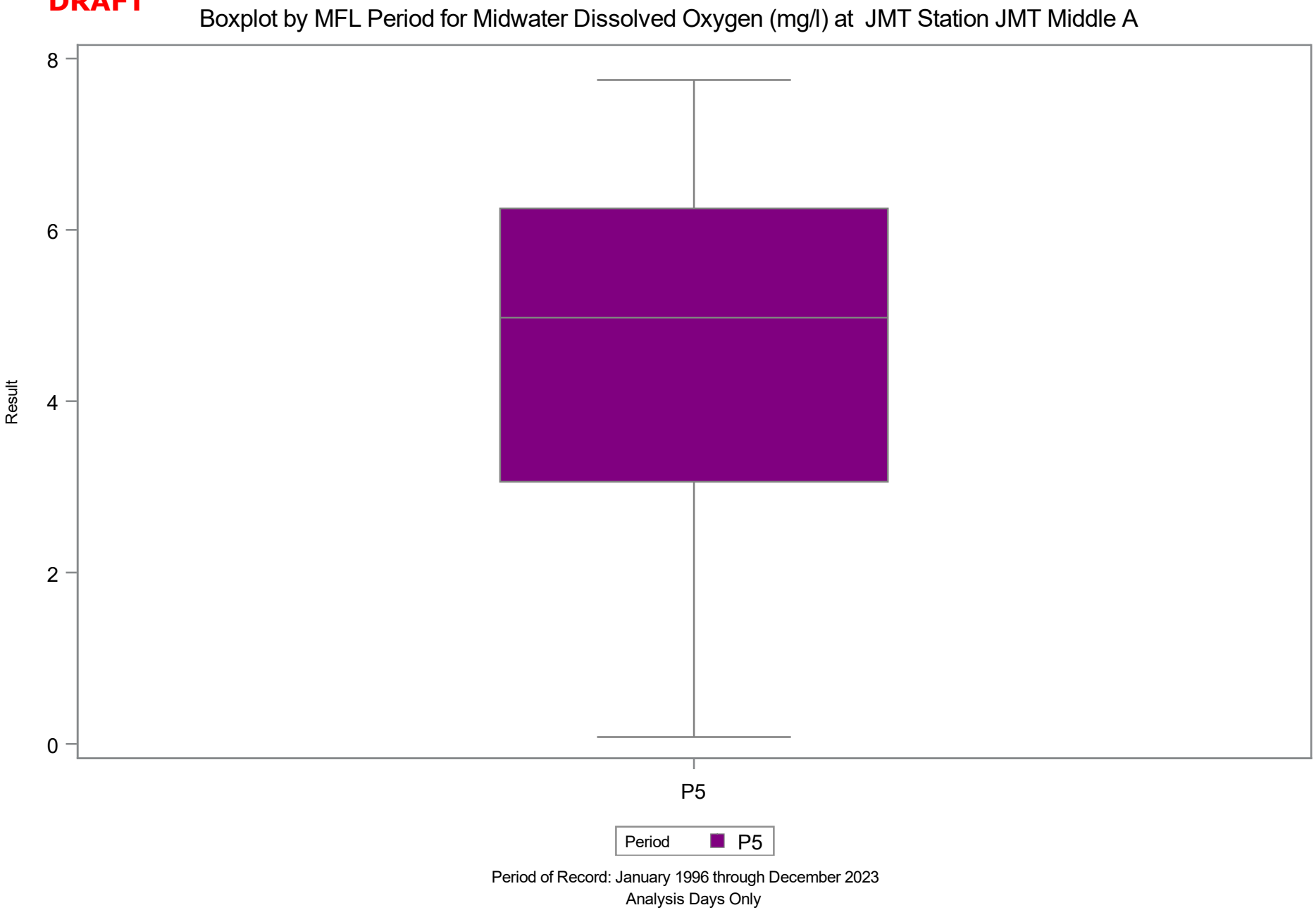
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle A**

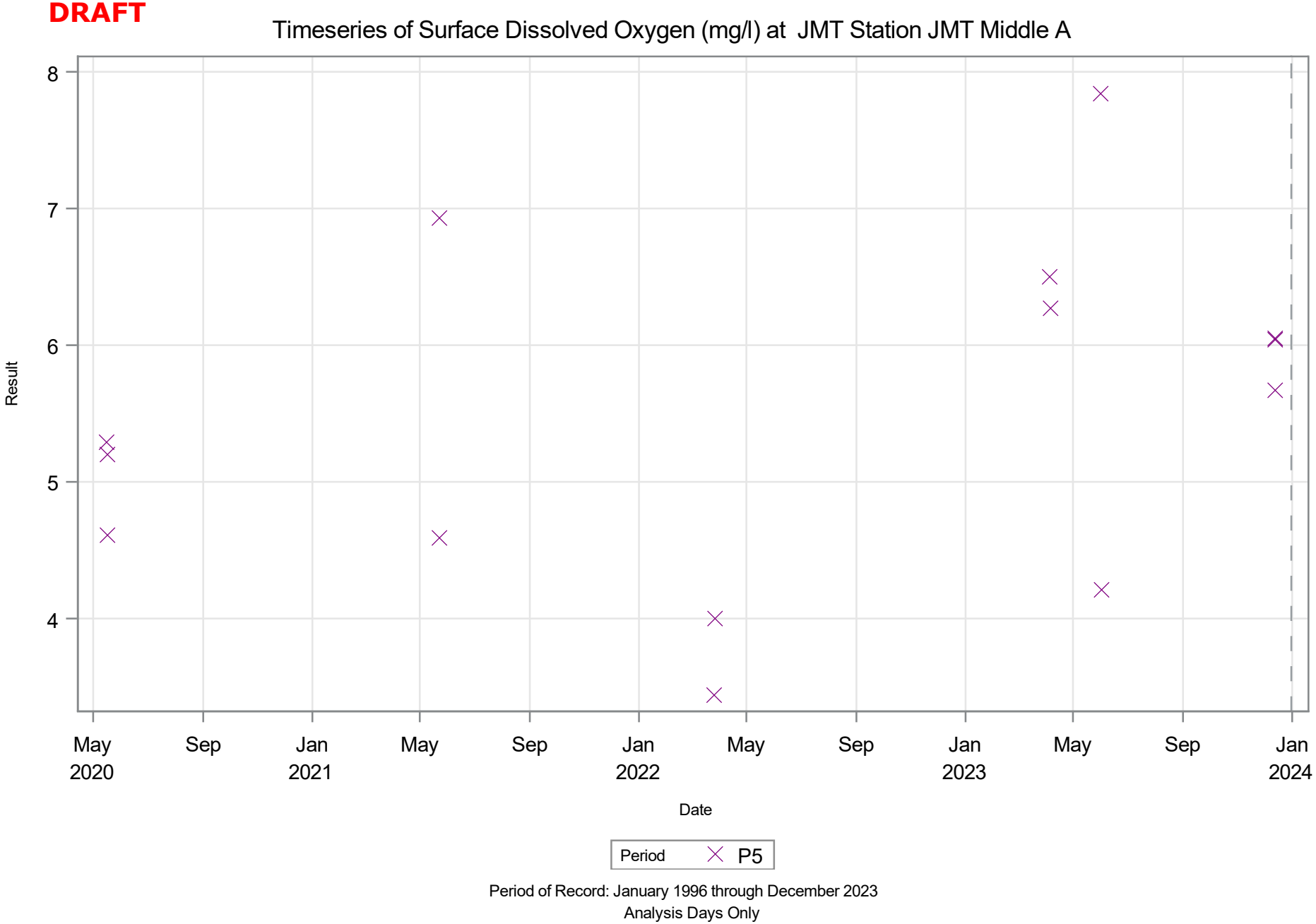
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	0.08	3.06	4.39	4.98	6.25	7.75

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle A
Result
8
6
4
2
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

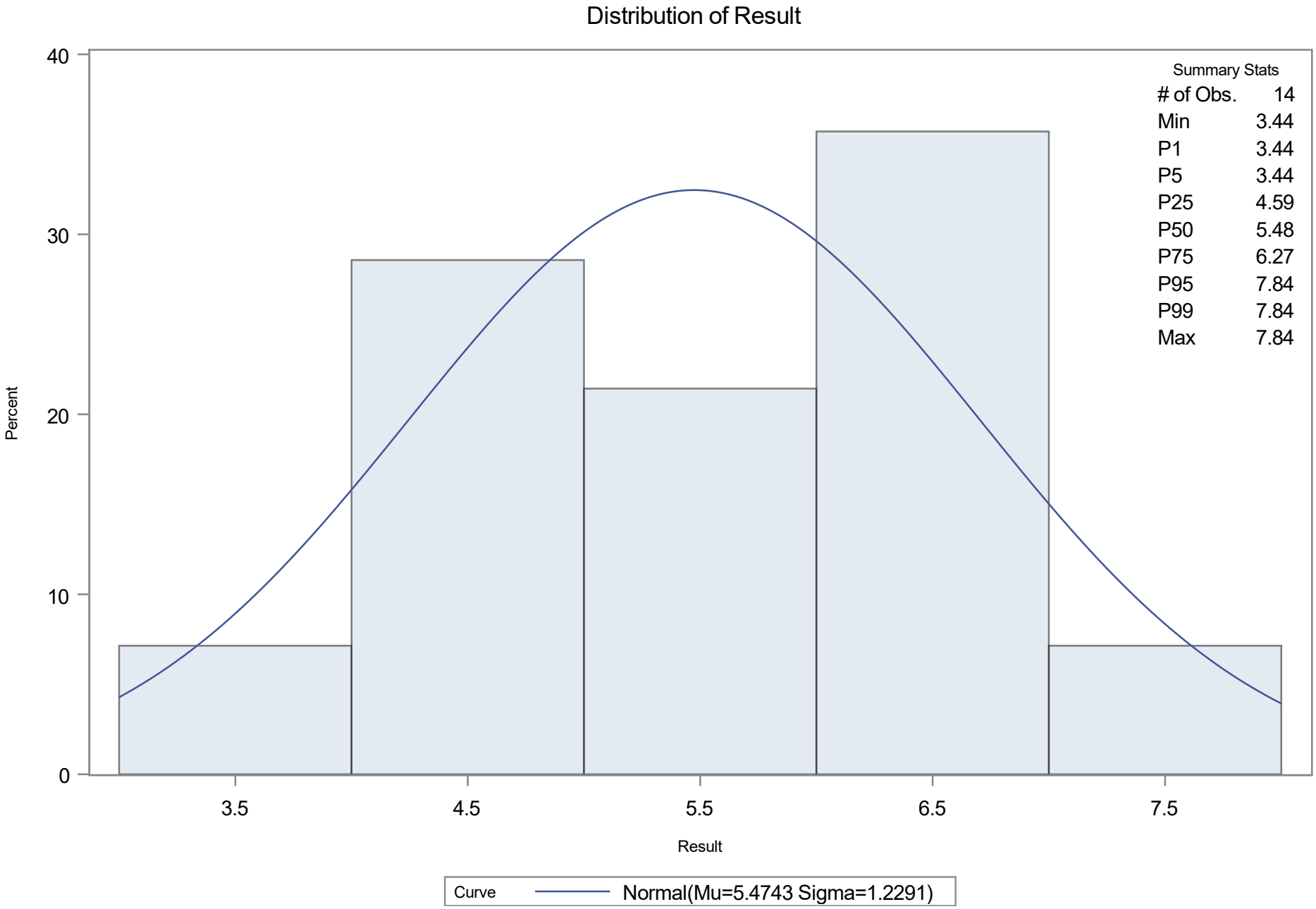
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.474286
Std Dev	Sigma	1.229107

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11617169	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02101125	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.13933095	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.44000	2.61496
5.0	3.44000	3.45259
10.0	4.00000	3.89912
25.0	4.59000	4.64527
50.0	5.48000	5.47429
75.0	6.27000	6.30331
90.0	6.93000	7.04945
95.0	7.84000	7.49599
99.0	7.84000	8.33362

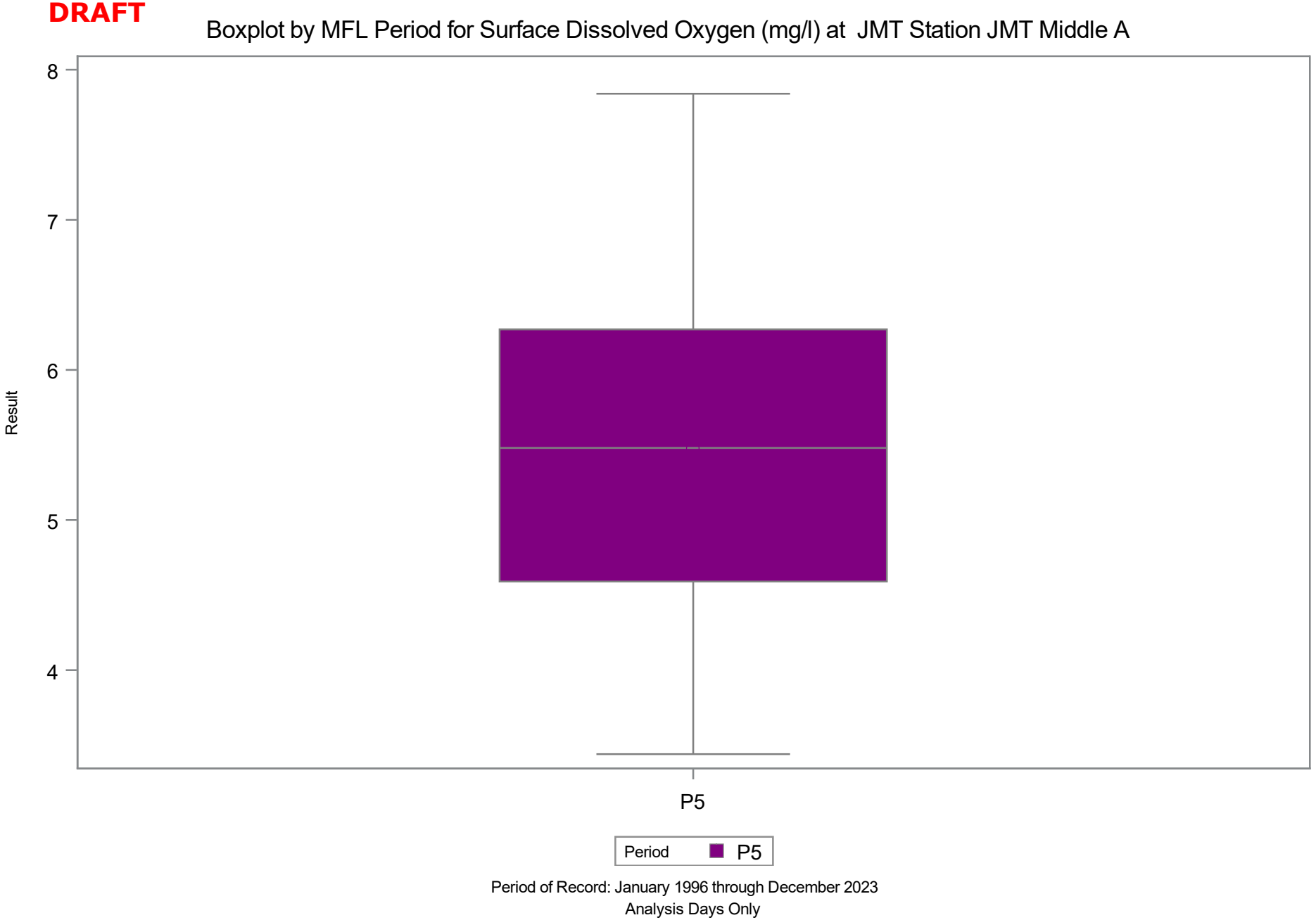
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle A**

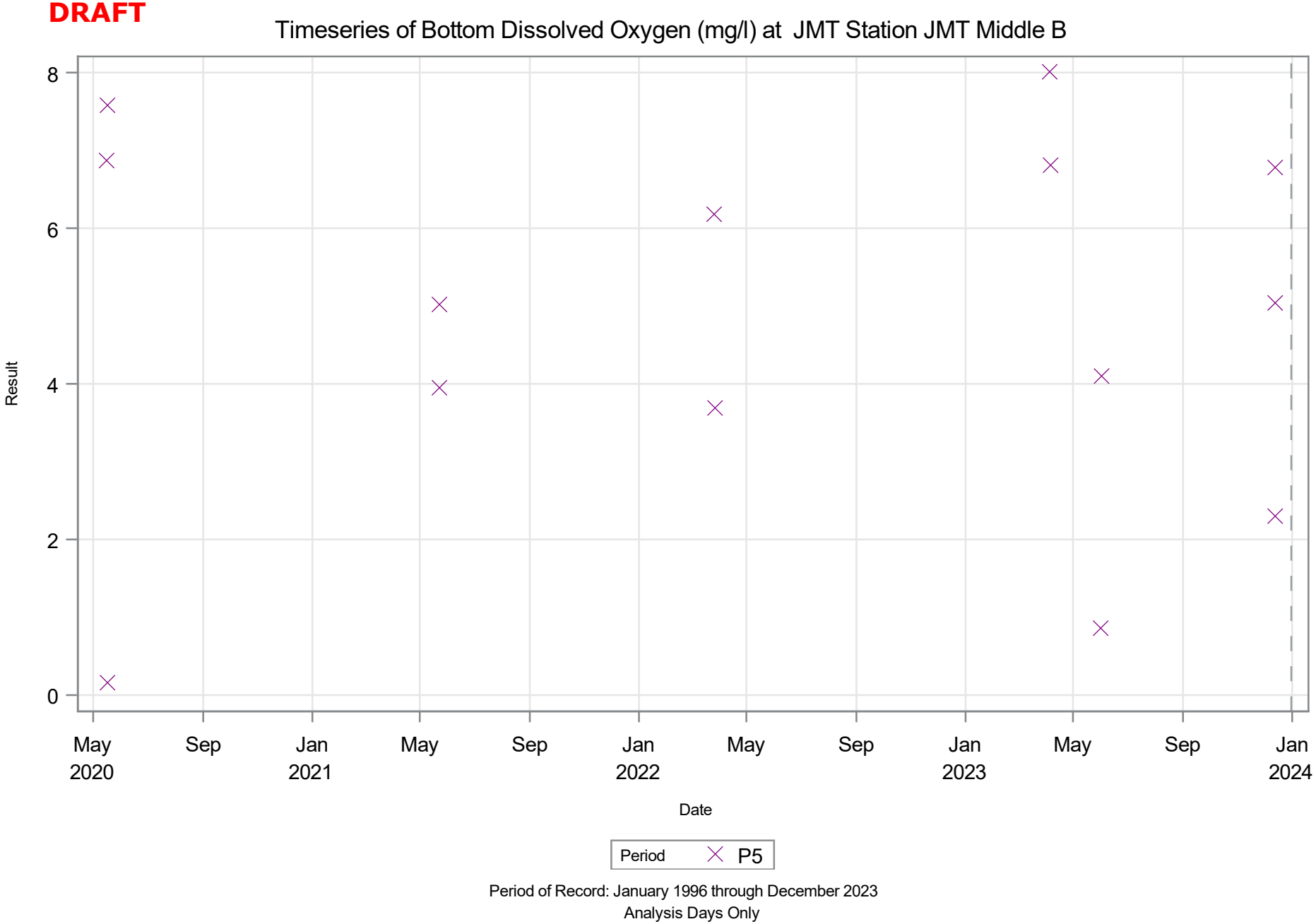
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	3.44	4.59	5.47	5.48	6.27	7.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle A
Result
8
7
6
5
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

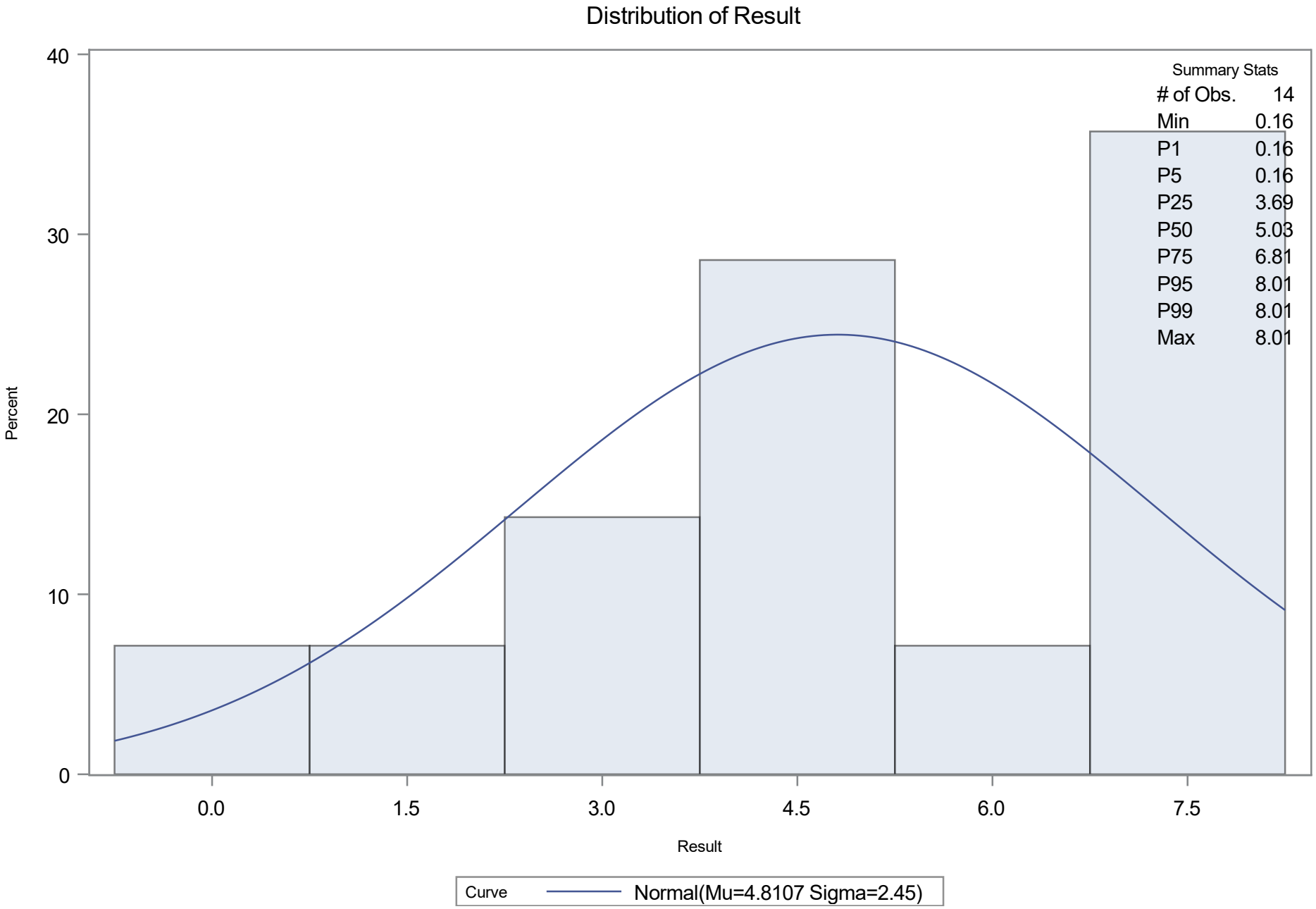
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.810714
Std Dev	Sigma	2.450031

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14638079	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05121402	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35163806	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.16000	-0.88891
5.0	0.16000	0.78077
10.0	0.86000	1.67087
25.0	3.69000	3.15819
50.0	5.03000	4.81071
75.0	6.81000	6.46324
90.0	7.58000	7.95056
95.0	8.01000	8.84066
99.0	8.01000	10.51034

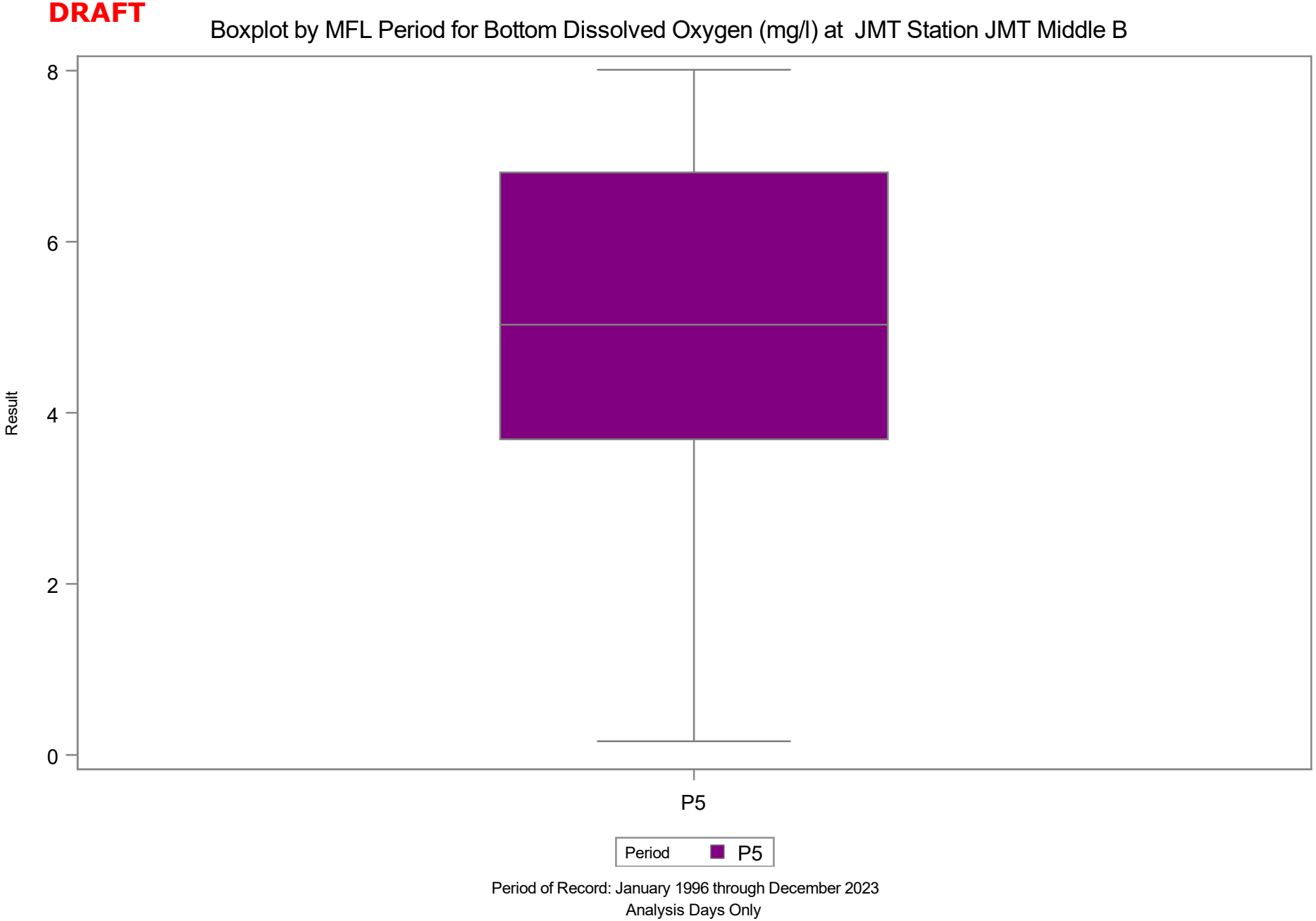
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle B**

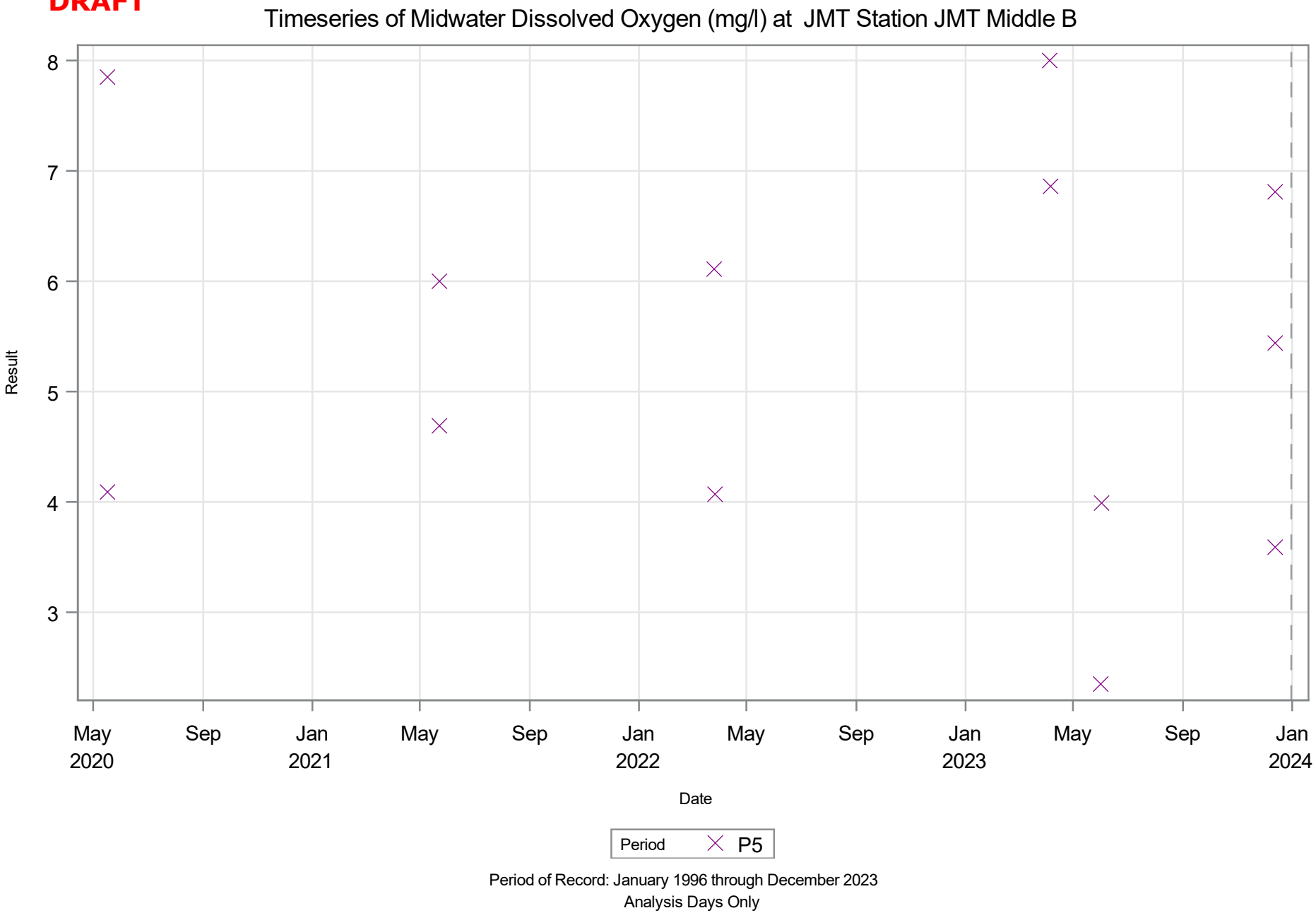
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	0.16	3.69	4.81	5.03	6.81	8.01

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

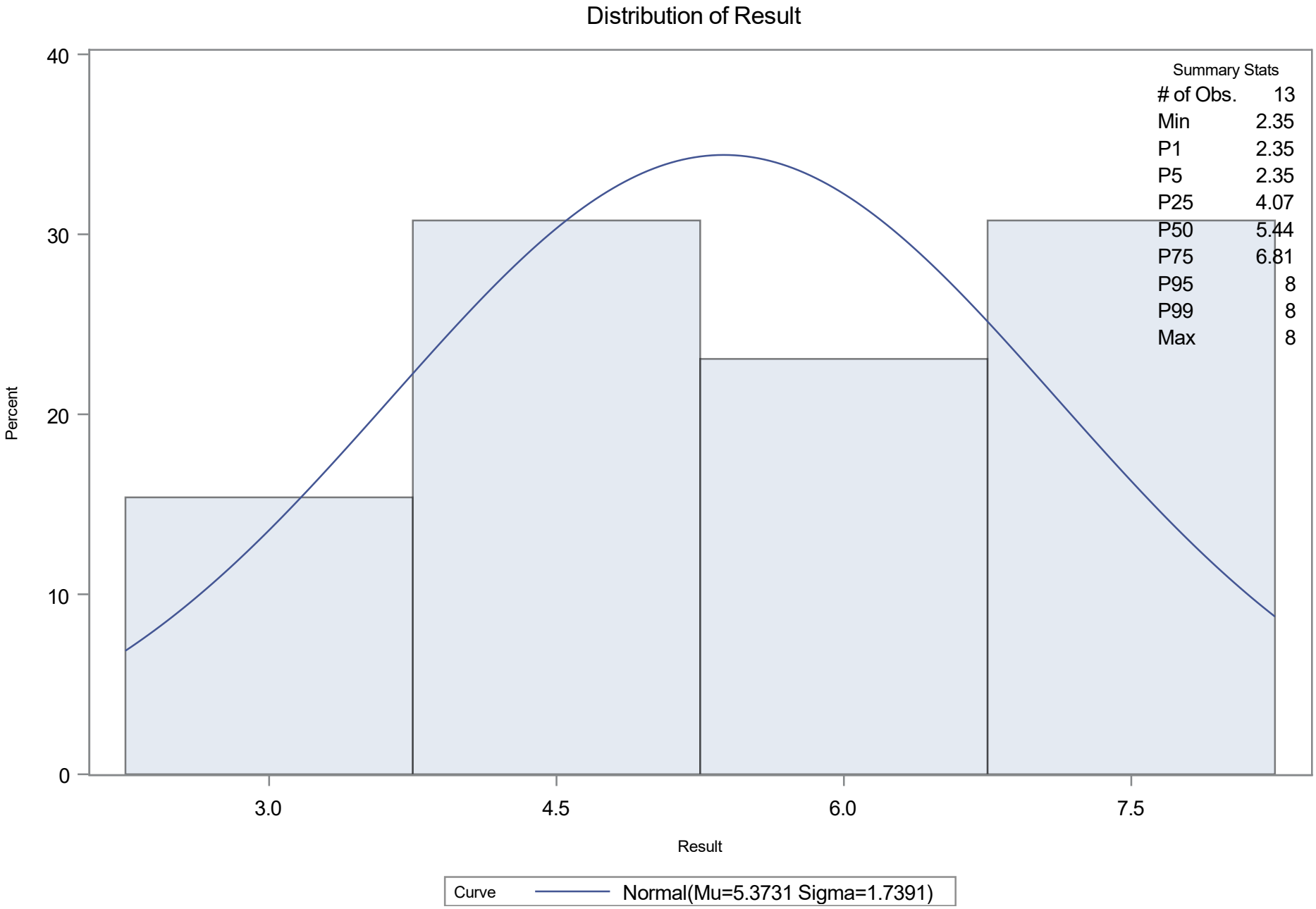

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle B
Result
8
6
4
2
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle B
Result
8
7
6
5
4
3
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.373077
Std Dev	Sigma	1.739116

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15428995	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04003533	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25473302	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.35000	1.32729
5.0	2.35000	2.51249
10.0	3.59000	3.14431
25.0	4.07000	4.20006
50.0	5.44000	5.37308
75.0	6.81000	6.54609
90.0	7.85000	7.60184
95.0	8.00000	8.23367
99.0	8.00000	9.41886

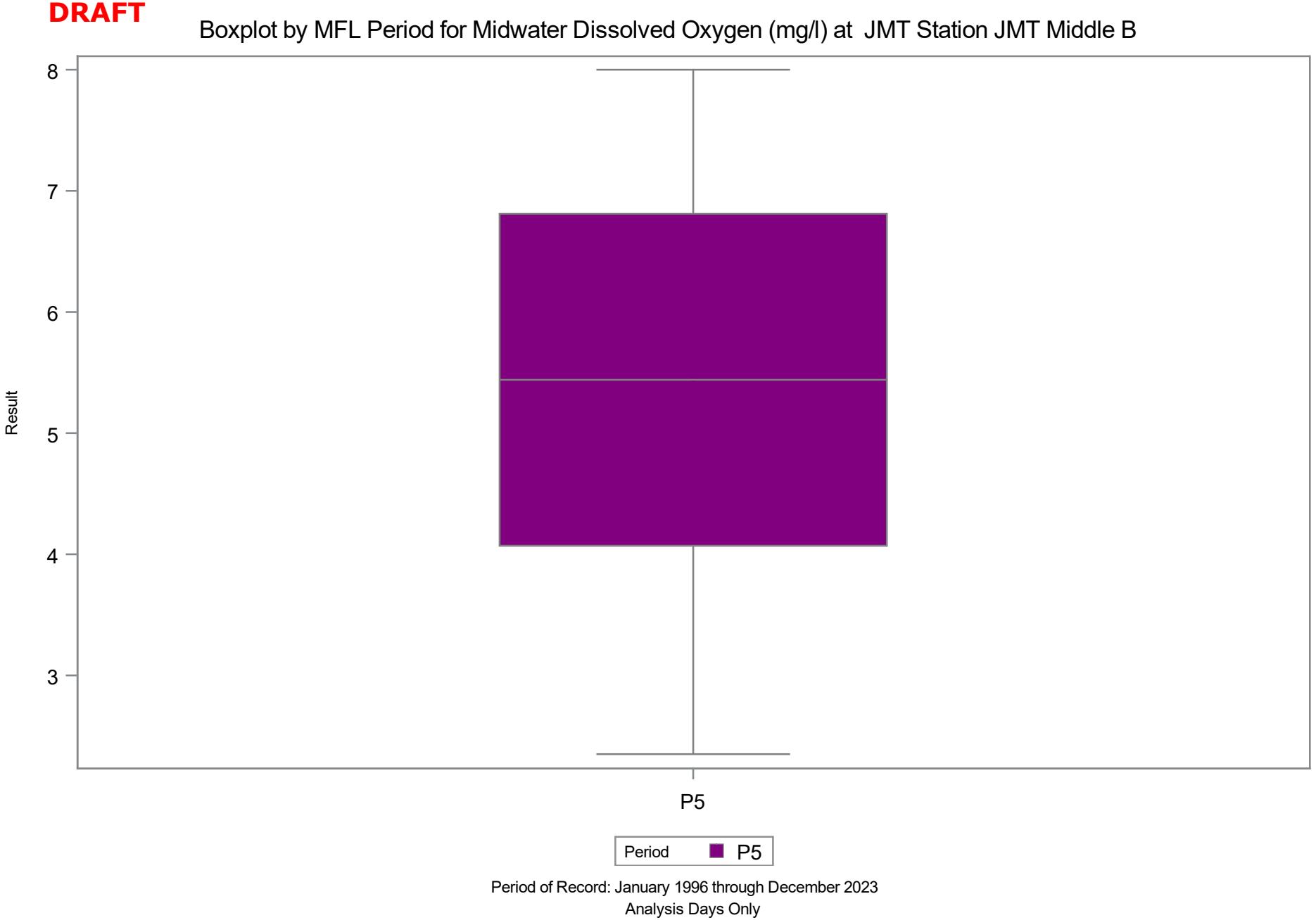
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle B**

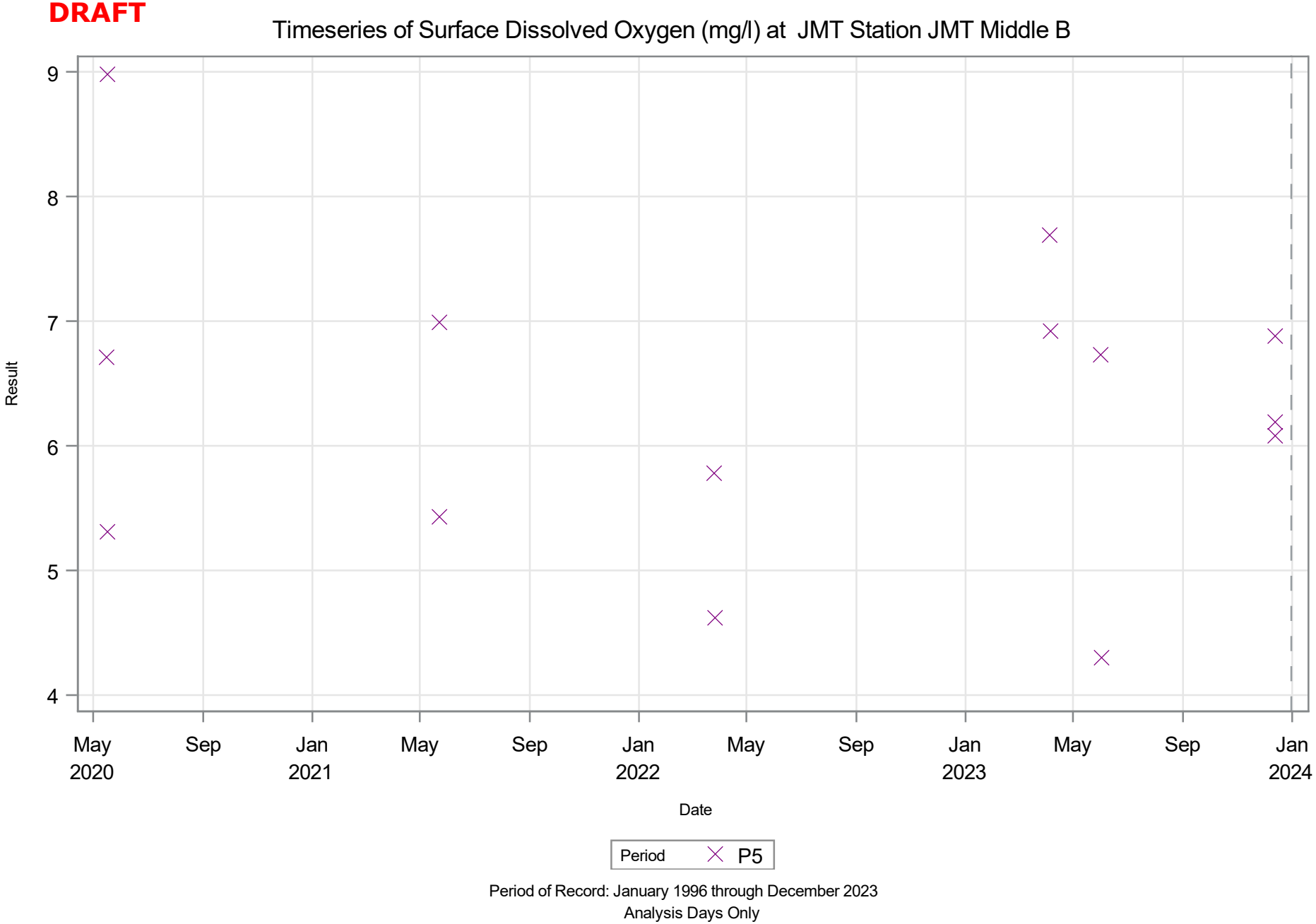
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	2.35	4.07	5.37	5.44	6.81	8.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

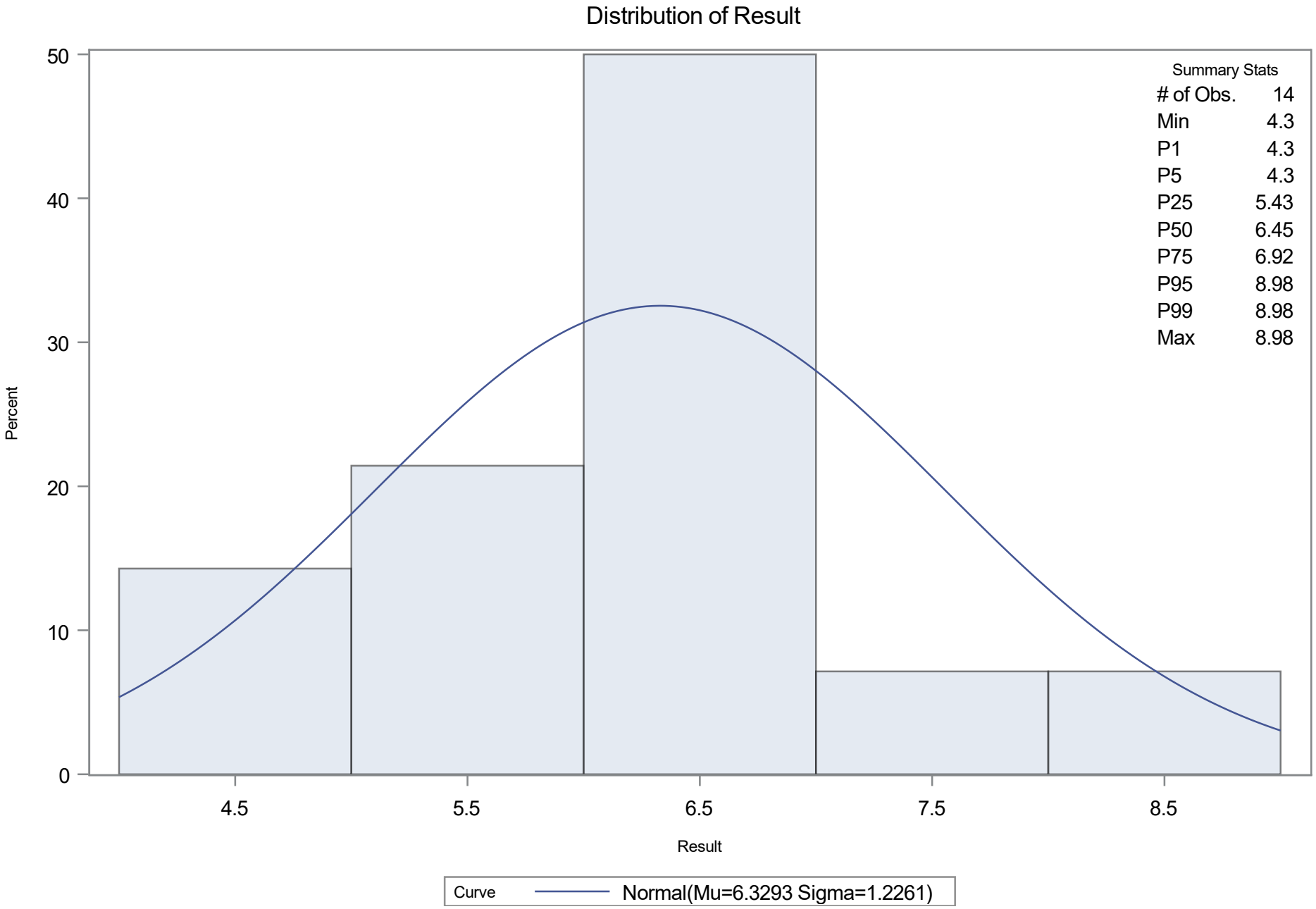

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle B
Result
8
7
6
5
4
3
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle B
Result
9
8
7
6
5
4
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.329286
Std Dev	Sigma	1.226085

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15212721	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03531985	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23144196	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.30000	3.47699
5.0	4.30000	4.31256
10.0	4.62000	4.75799
25.0	5.43000	5.50230
50.0	6.45000	6.32929
75.0	6.92000	7.15627
90.0	7.69000	7.90058
95.0	8.98000	8.34602
99.0	8.98000	9.18159

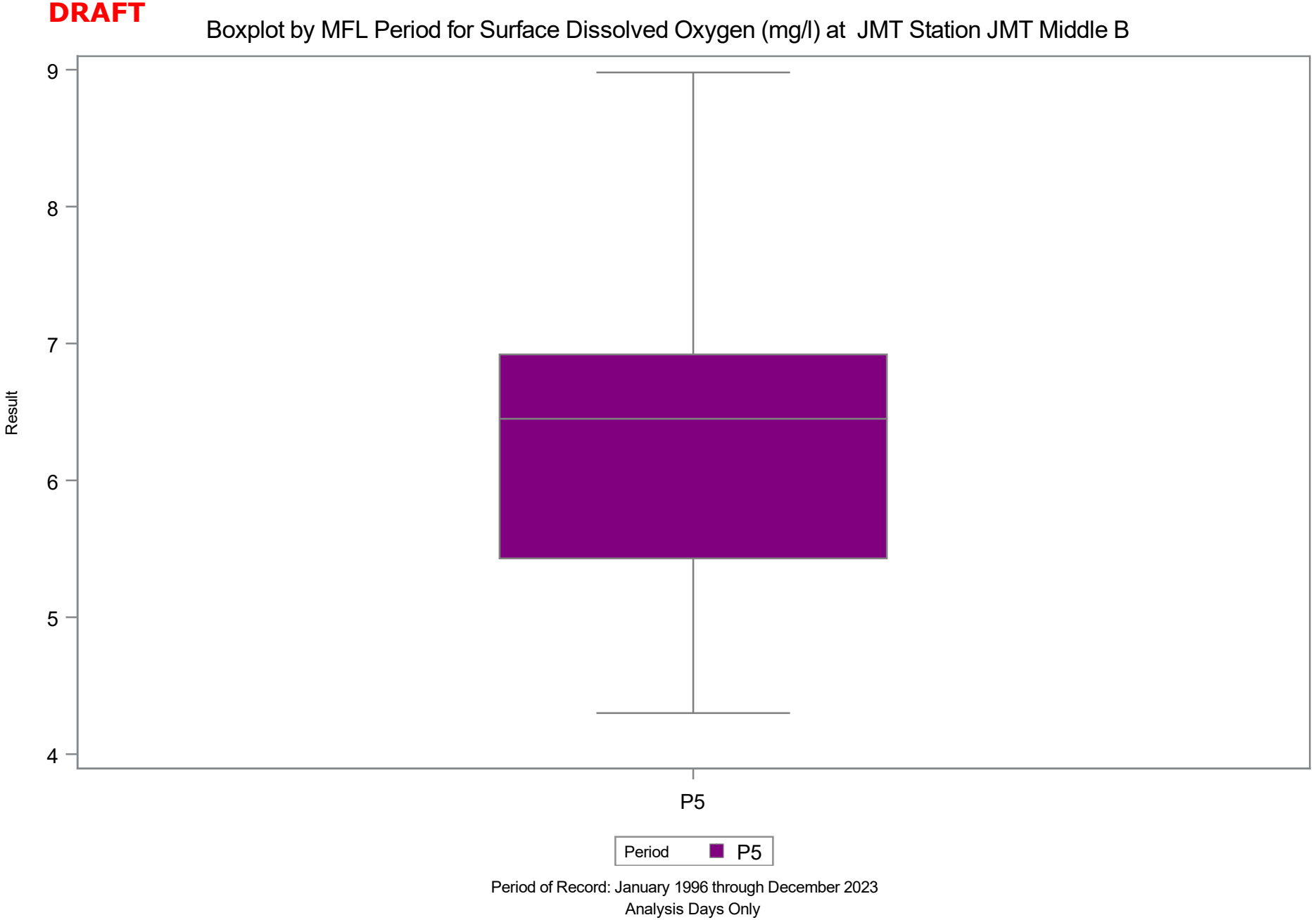
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle B**

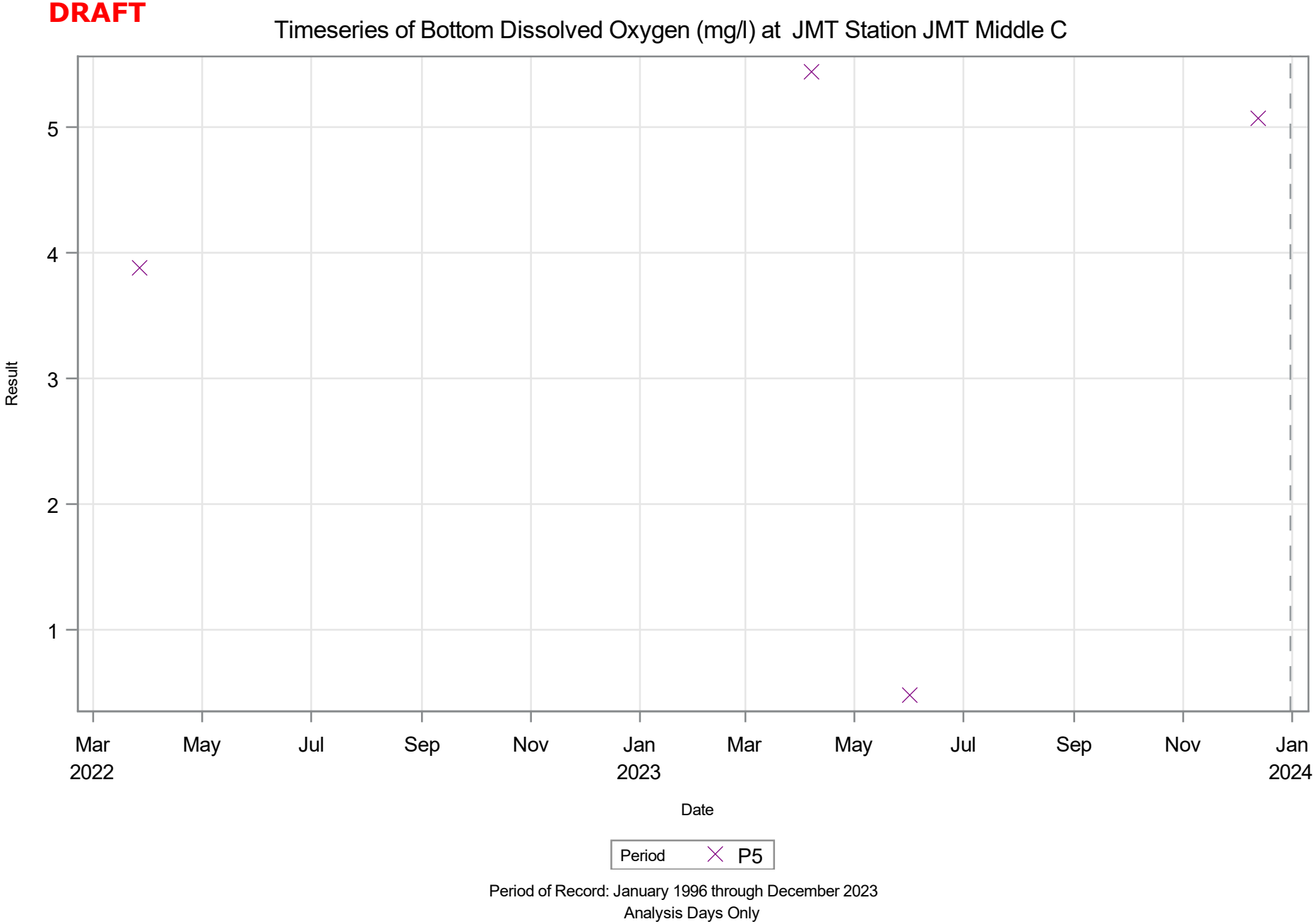
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	4.30	5.43	6.33	6.45	6.92	8.98

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

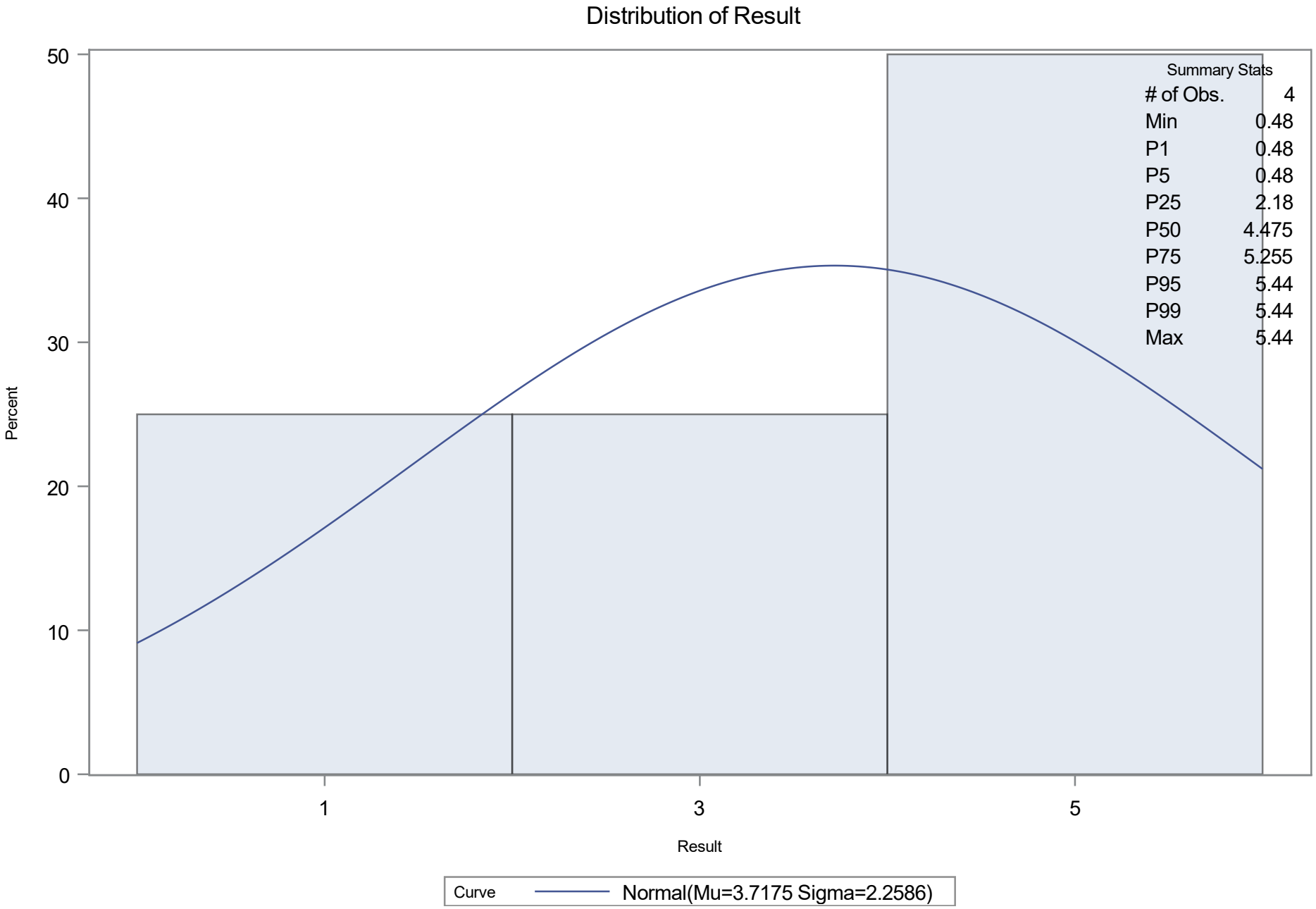

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle B
Result
9
8
7
6
5
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle C
Result
5
4
3
2
1
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.7175
Std Dev	Sigma	2.258619

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27867781	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06650723	**Pr > W-Sq**	0.245
Anderson-Darling	**A-Sq**	0.38814799	**Pr > A-Sq**	0.200

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.48000	-1.53683
5.0	0.48000	0.00240
10.0	0.48000	0.82296
25.0	2.18000	2.19408
50.0	4.47500	3.71750
75.0	5.25500	5.24092
90.0	5.44000	6.61204
95.0	5.44000	7.43260
99.0	5.44000	8.97183

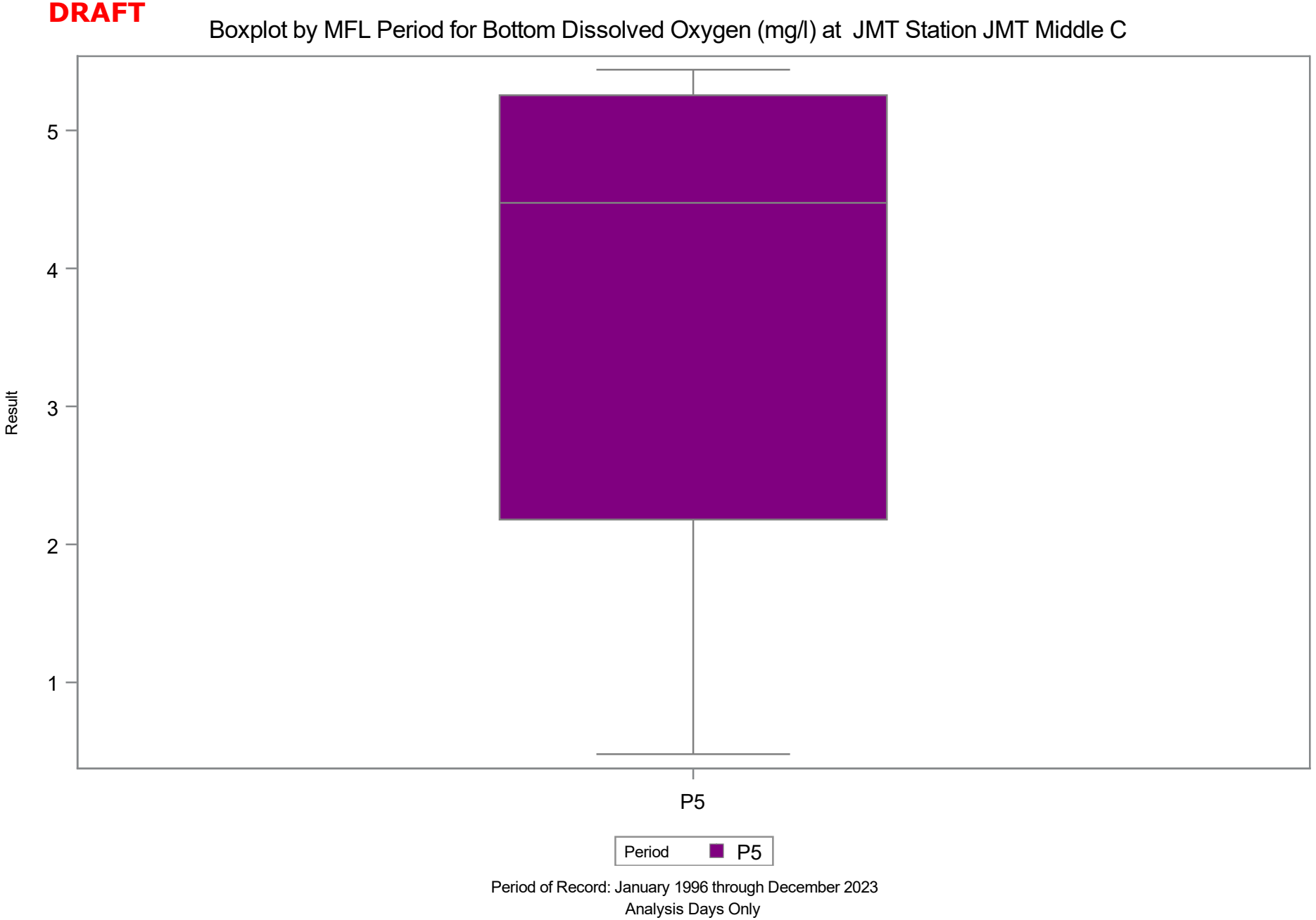
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle C**

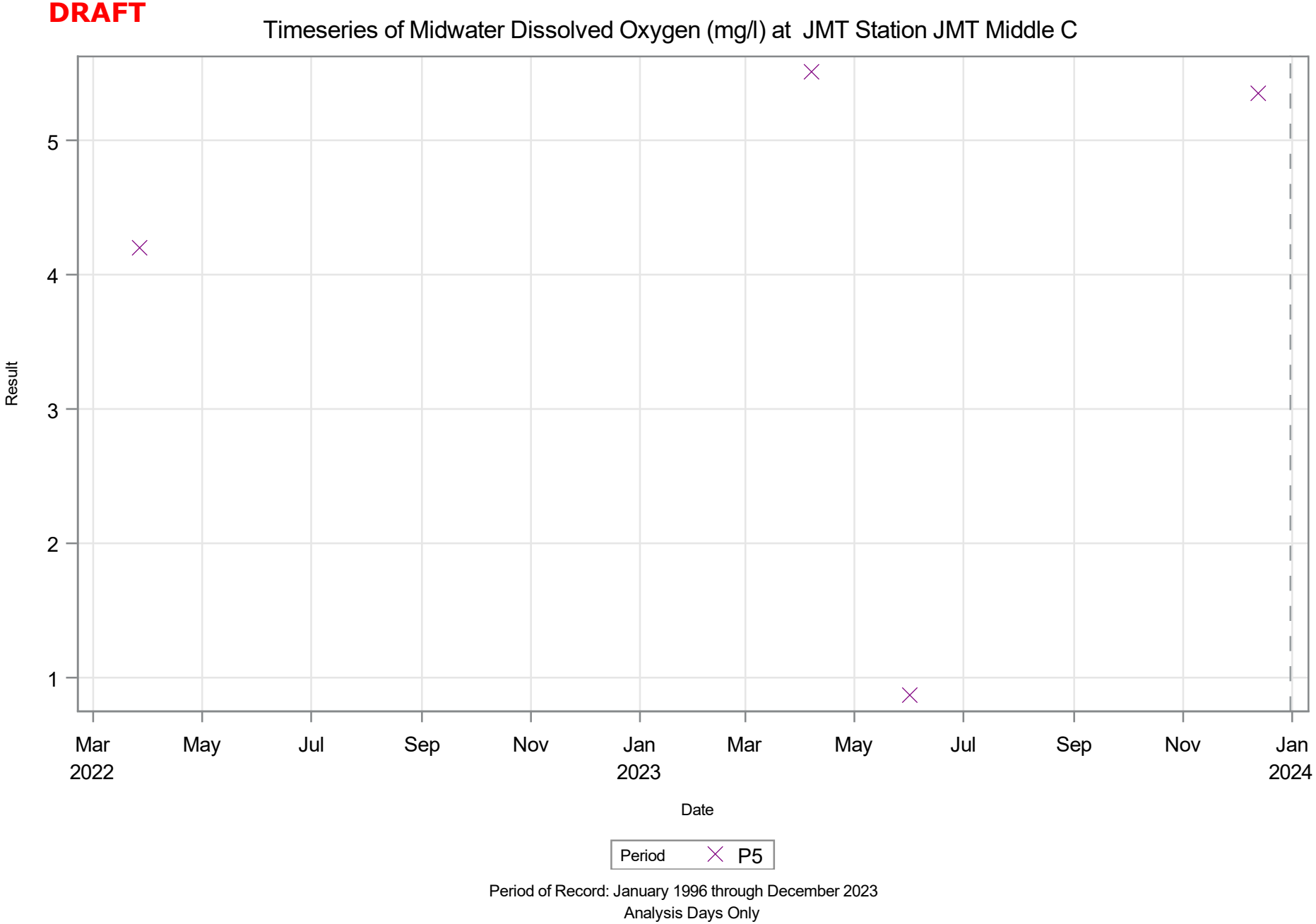
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	0.48	2.18	3.72	4.48	5.26	5.44

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle C
Result
5
4
3
2
1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

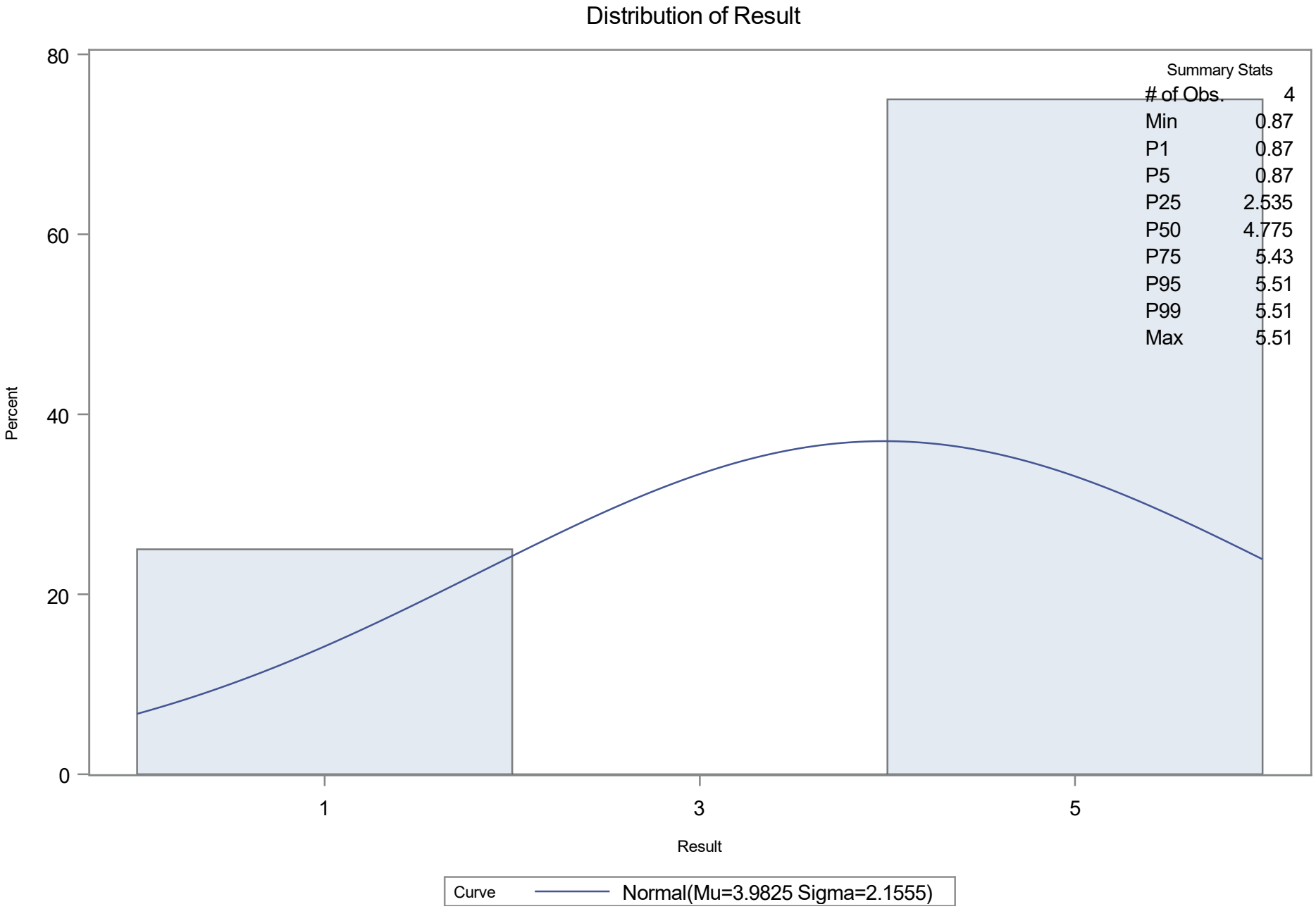
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.9825
Std Dev	Sigma	2.155479

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29018731	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07630709	**Pr > W-Sq**	0.180
Anderson-Darling	**A-Sq**	0.43736412	**Pr > A-Sq**	0.136

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.87000	-1.03190
5.0	0.87000	0.43705
10.0	0.87000	1.22014
25.0	2.53500	2.52865
50.0	4.77500	3.98250
75.0	5.43000	5.43635
90.0	5.51000	6.74486
95.0	5.51000	7.52795
99.0	5.51000	8.99690

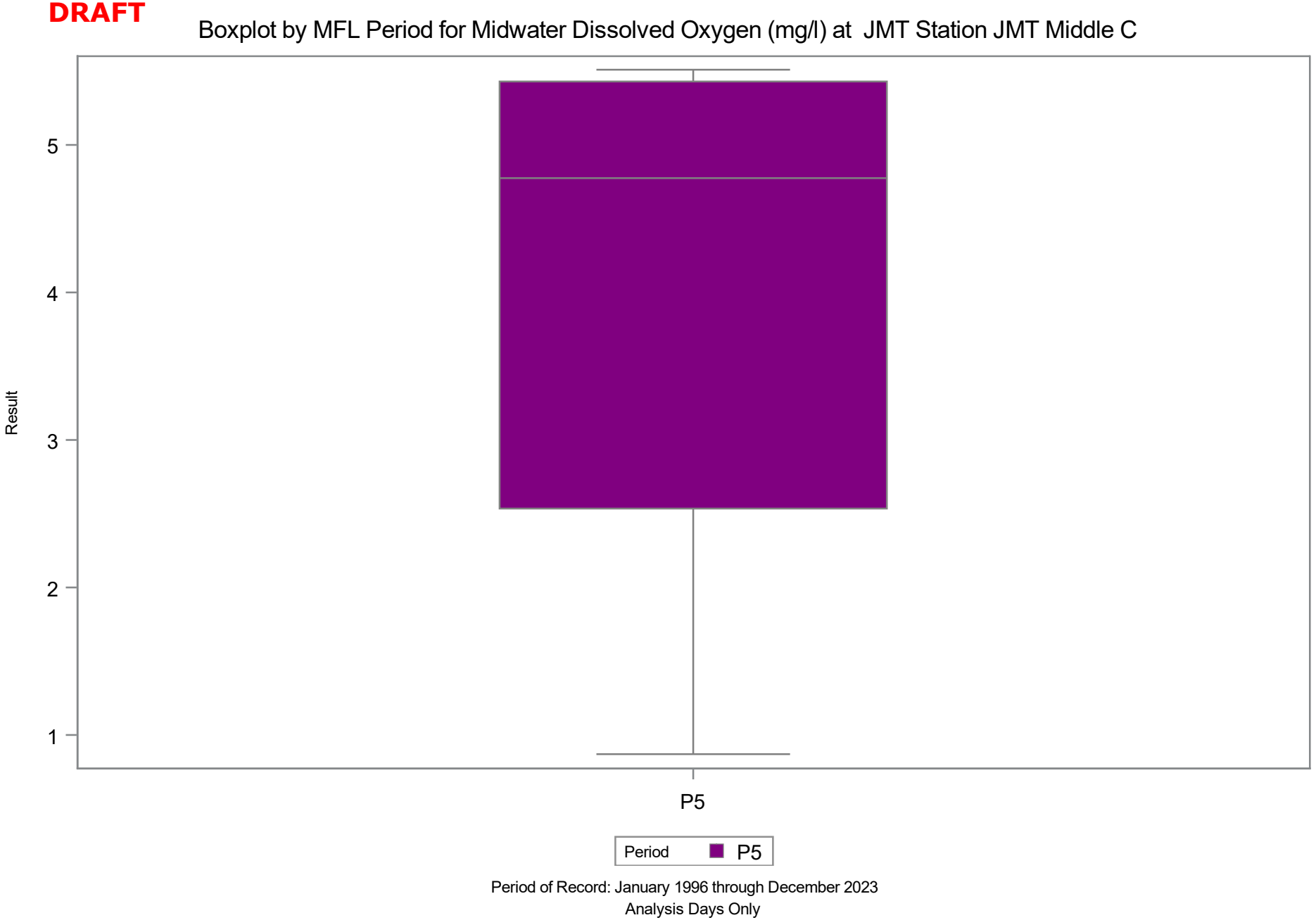
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle C**

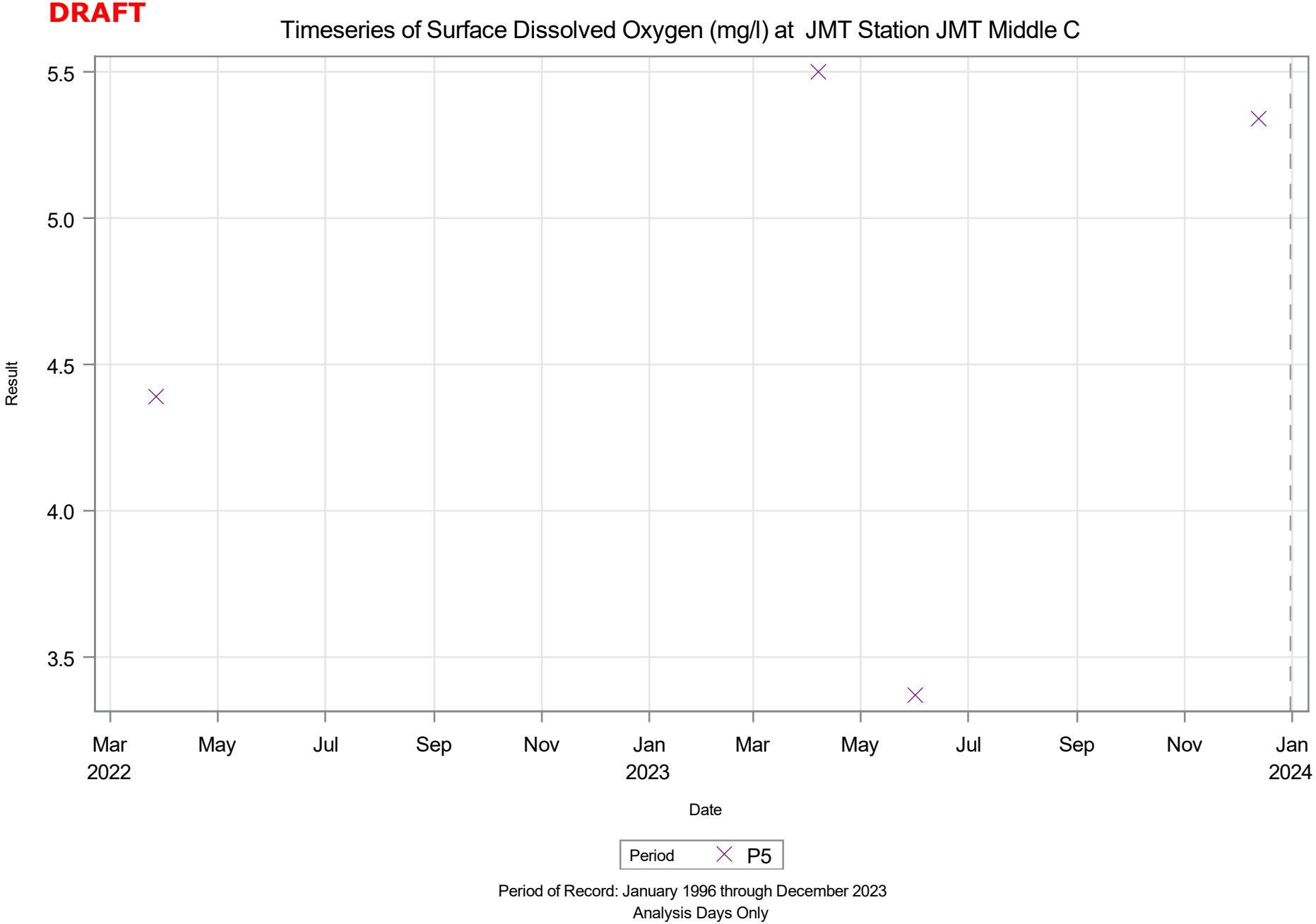
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	0.87	2.54	3.98	4.78	5.43	5.51

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

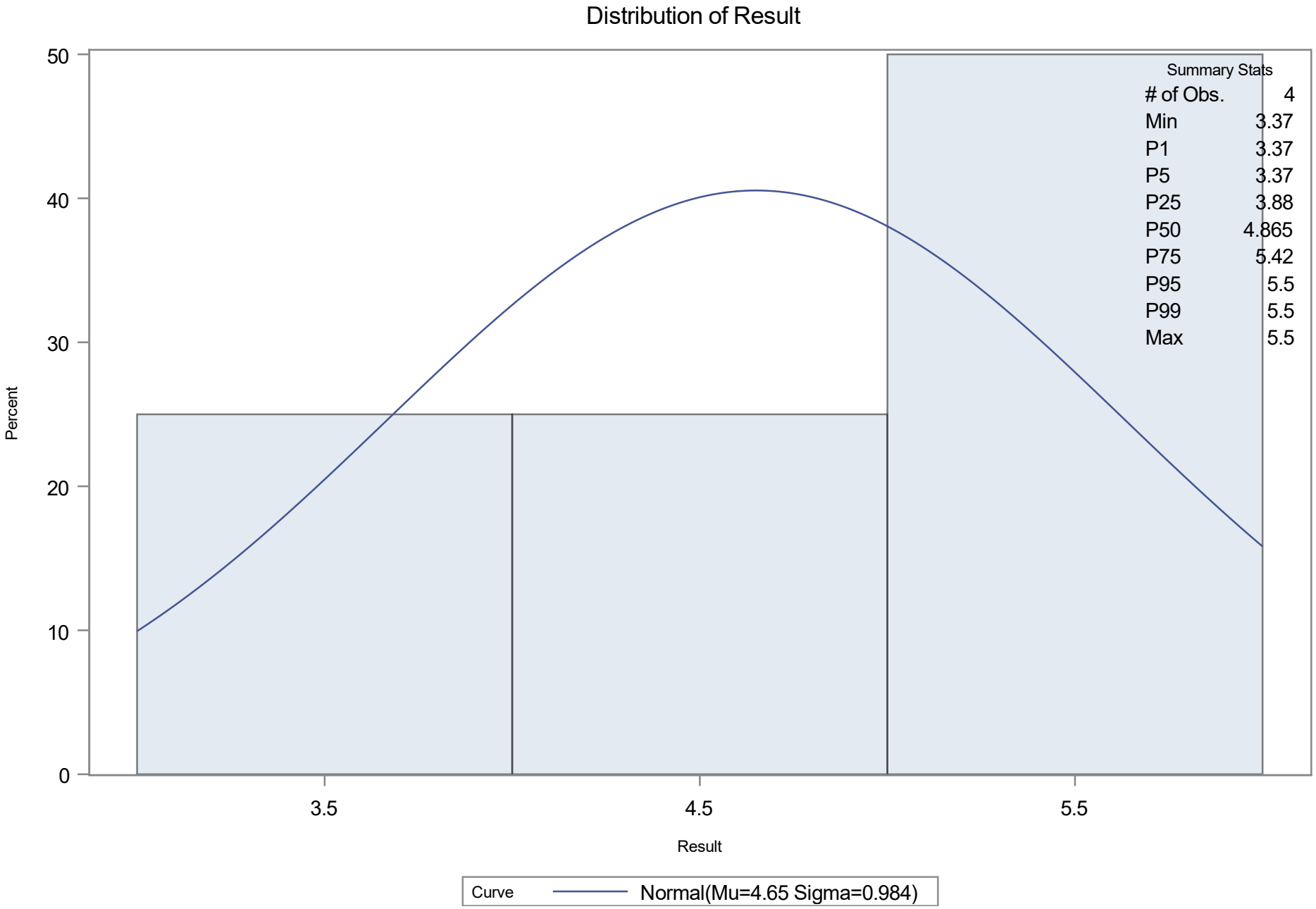

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle C
Result
5
4
3
2
1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle C
Result
5.5
5.0
4.5
4.0
3.5
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.65
Std Dev	Sigma	0.983972

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25842331	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04460960	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28531110	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.37000	2.36094
5.0	3.37000	3.03151
10.0	3.37000	3.38899
25.0	3.88000	3.98632
50.0	4.86500	4.65000
75.0	5.42000	5.31368
90.0	5.50000	5.91101
95.0	5.50000	6.26849
99.0	5.50000	6.93906

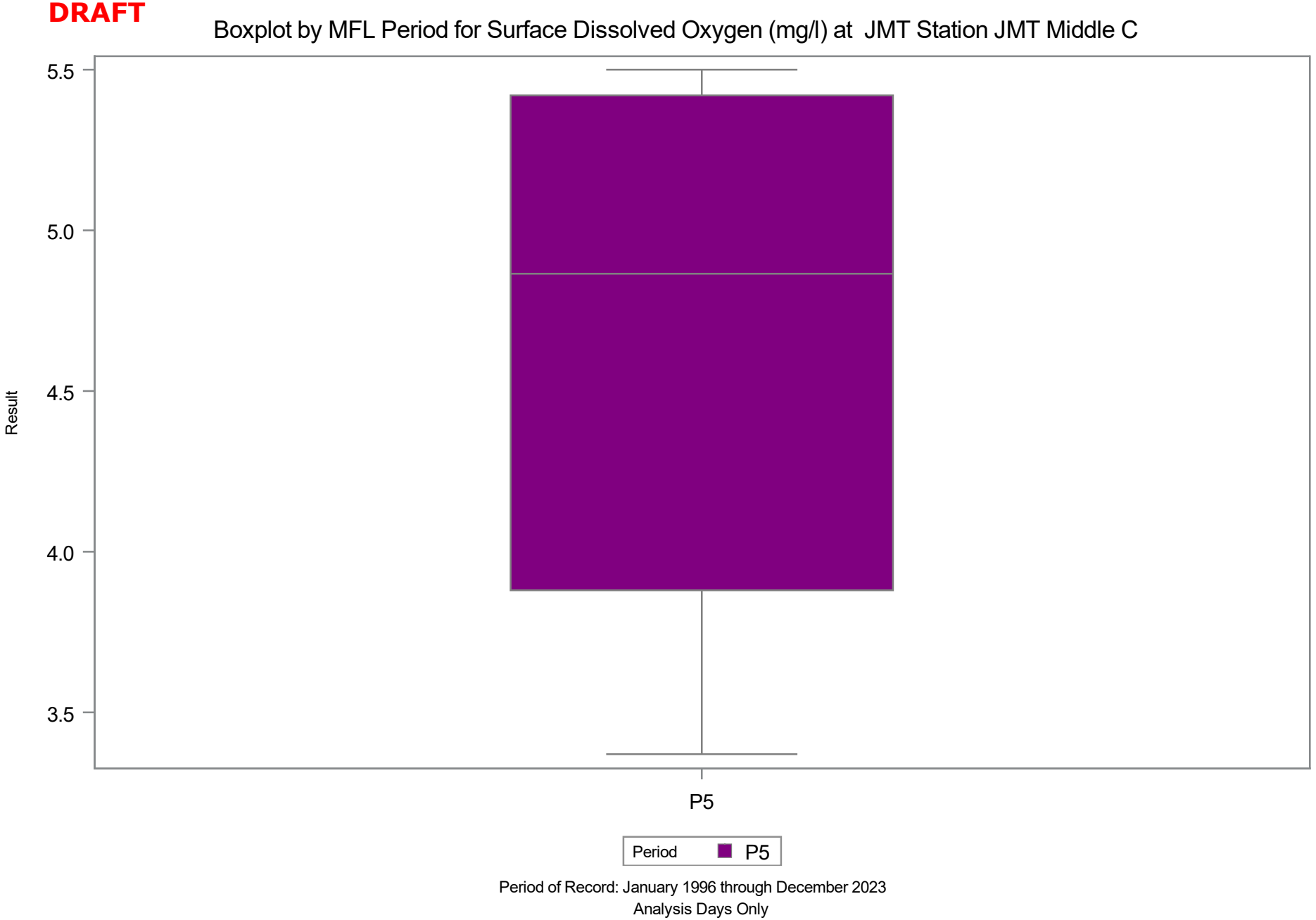
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle C**

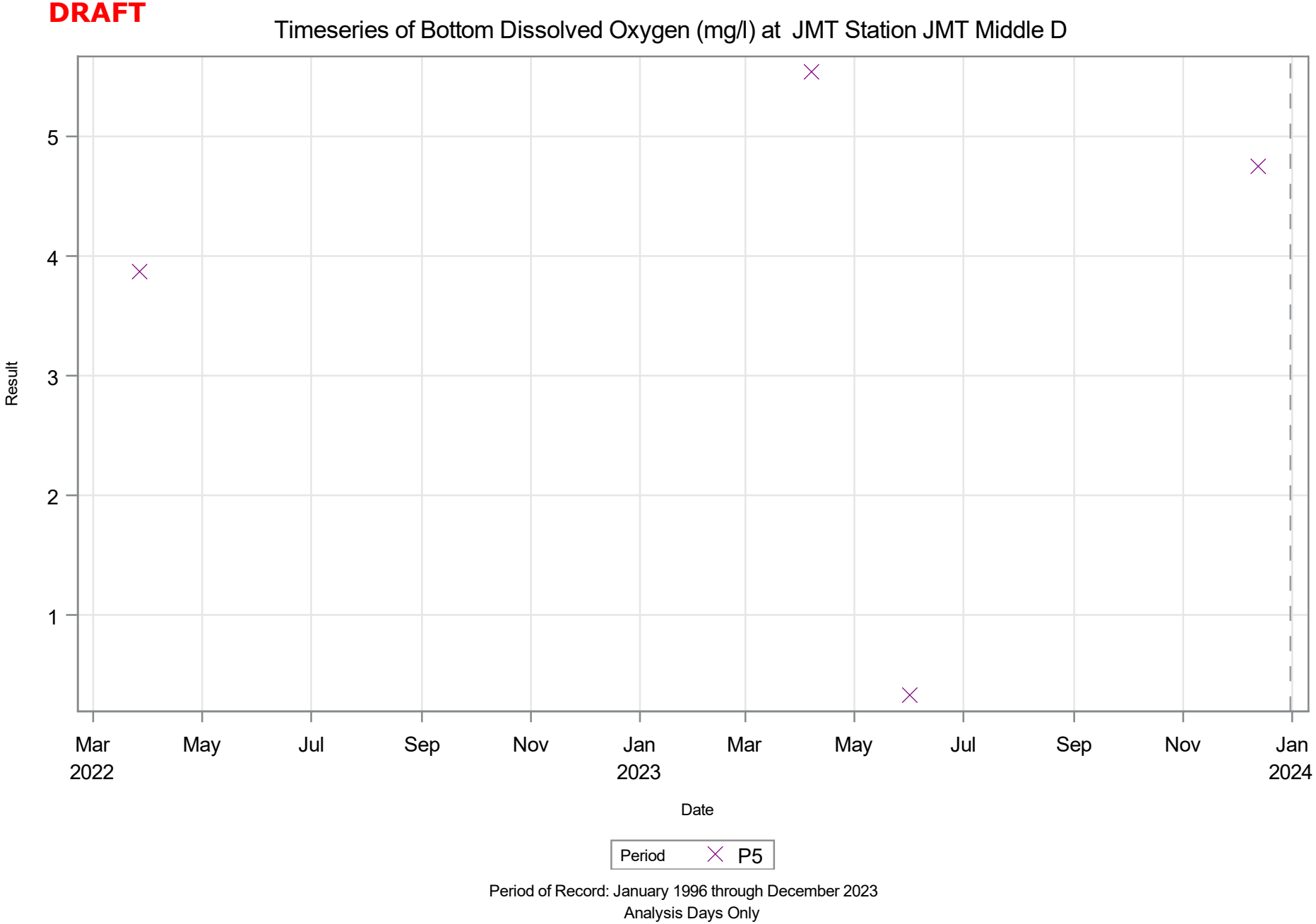
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	3.37	3.88	4.65	4.87	5.42	5.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle C
Result
5.5
5.0
4.5
4.0
3.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

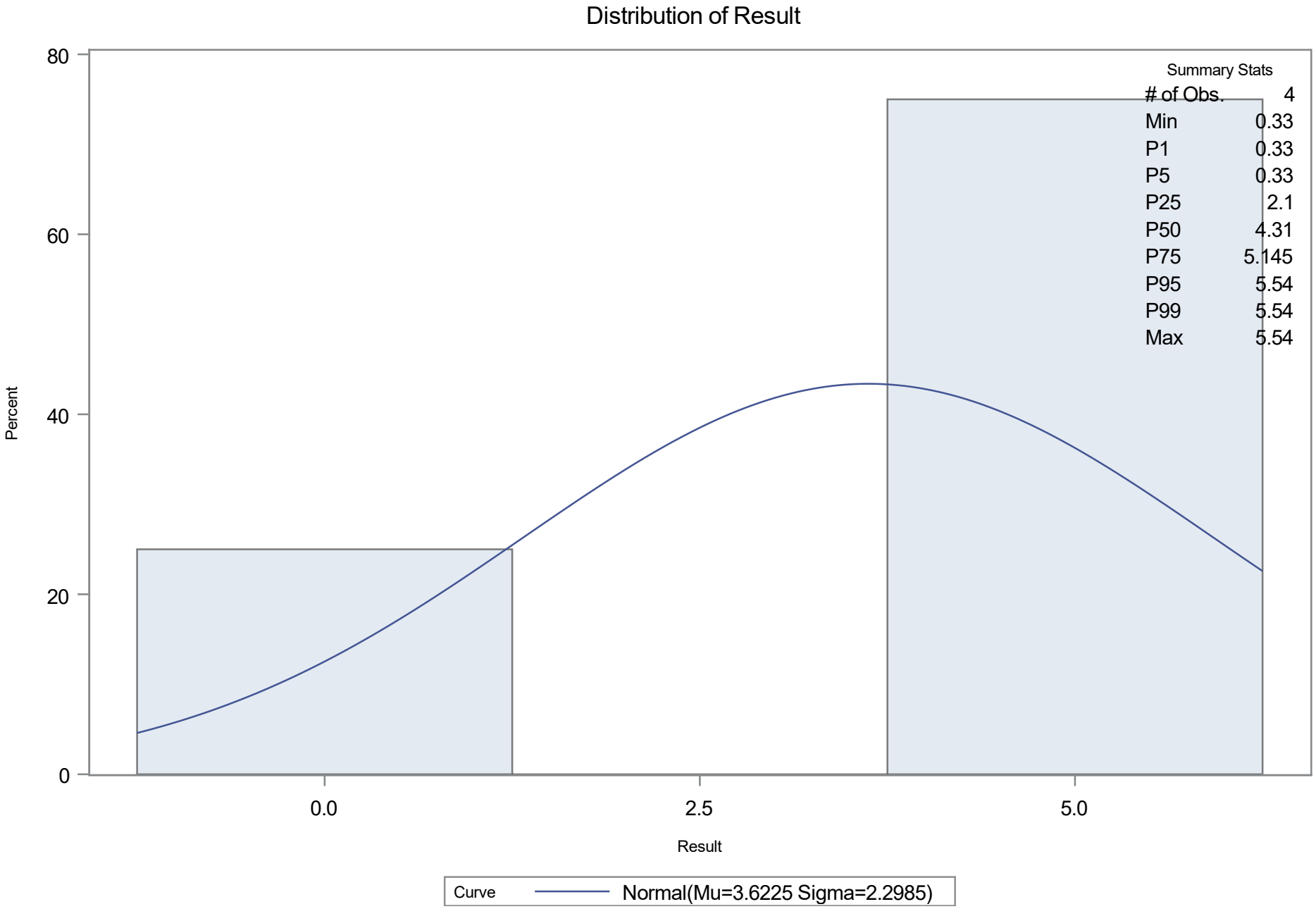
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.6225
Std Dev	Sigma	2.298541

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29287404	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06134004	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35514047	**Pr > A-Sq**	0.248

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.33000	-1.72471
5.0	0.33000	-0.15826
10.0	0.33000	0.67680
25.0	2.10000	2.07216
50.0	4.31000	3.62250
75.0	5.14500	5.17284
90.0	5.54000	6.56820
95.0	5.54000	7.40326
99.0	5.54000	8.96971

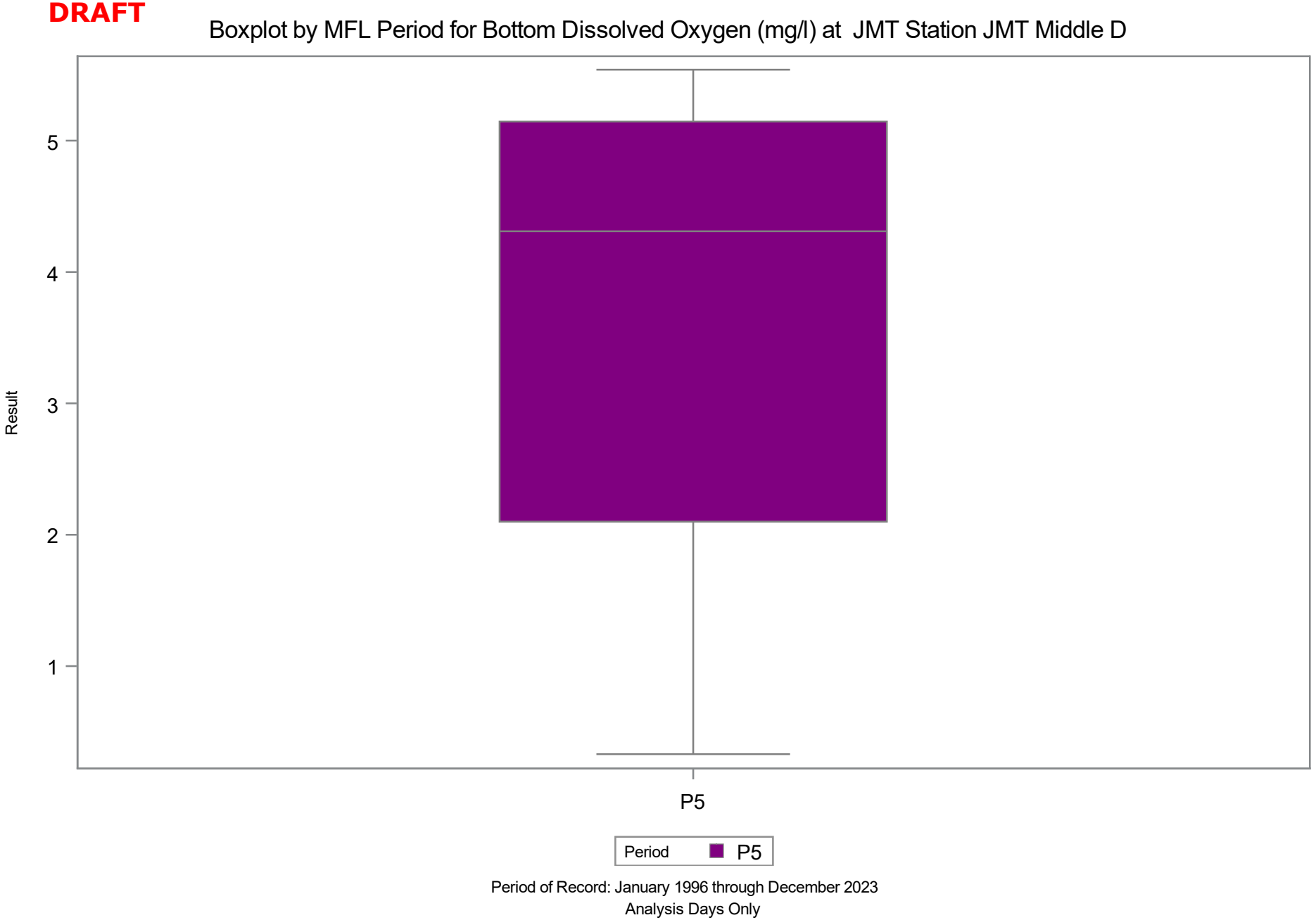
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle D**

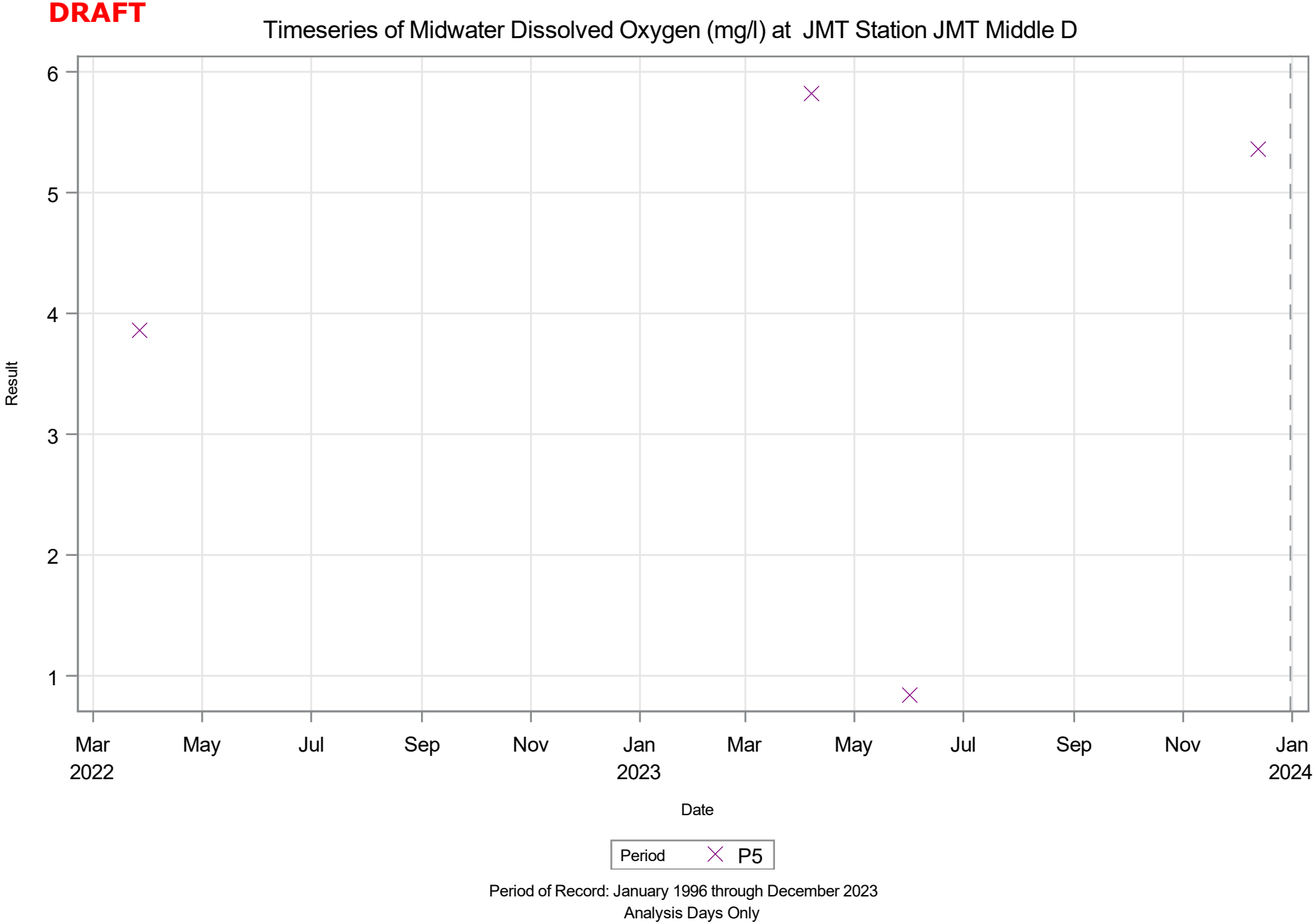
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	0.33	2.10	3.62	4.31	5.15	5.54

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Middle D
Result
5
4
3
2
1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

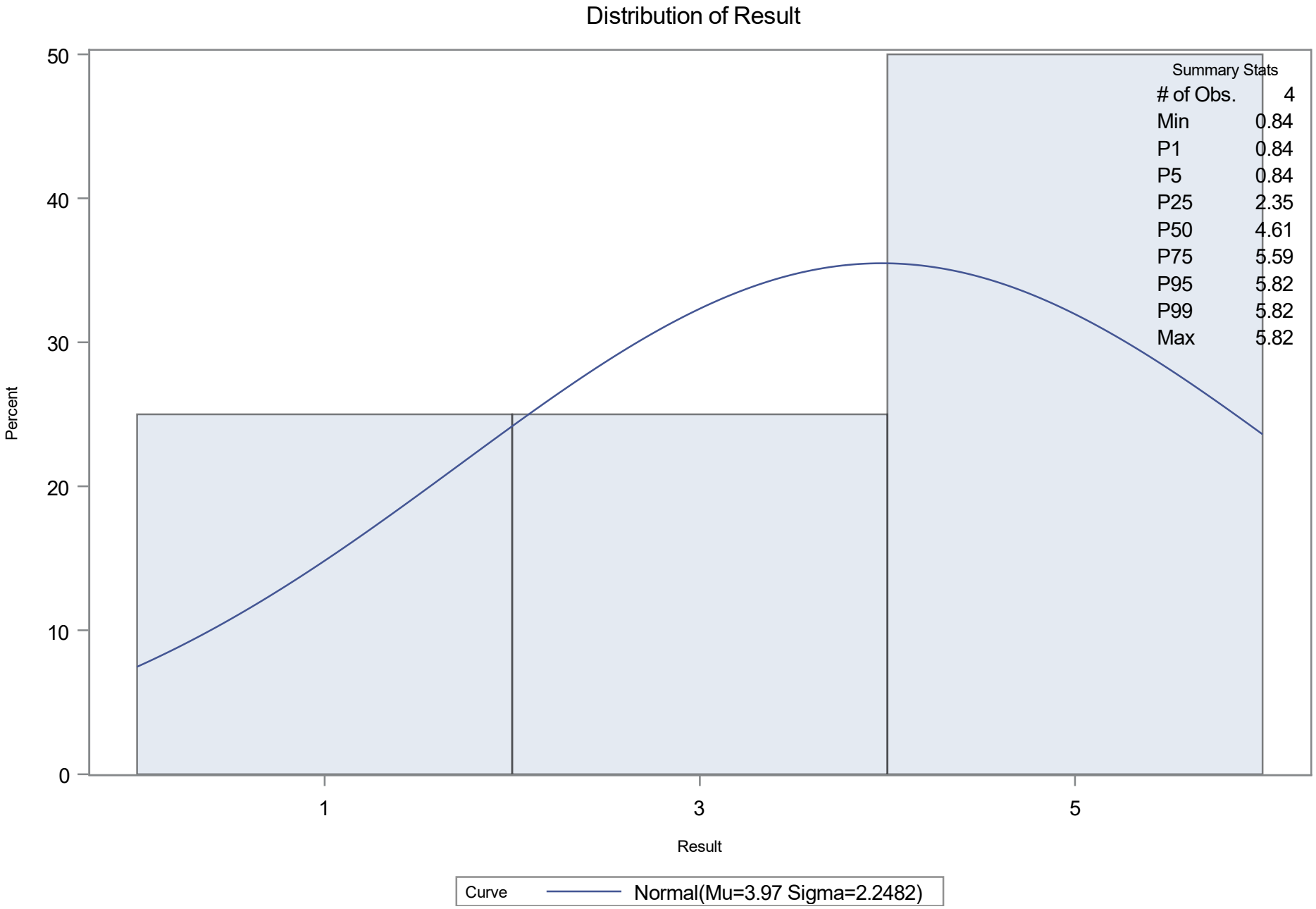
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.97
Std Dev	Sigma	2.248229

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23179948	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05166898	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31863410	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.84000	-1.26016
5.0	0.84000	0.27199
10.0	0.84000	1.08878
25.0	2.35000	2.45359
50.0	4.61000	3.97000
75.0	5.59000	5.48641
90.0	5.82000	6.85122
95.0	5.82000	7.66801
99.0	5.82000	9.20016

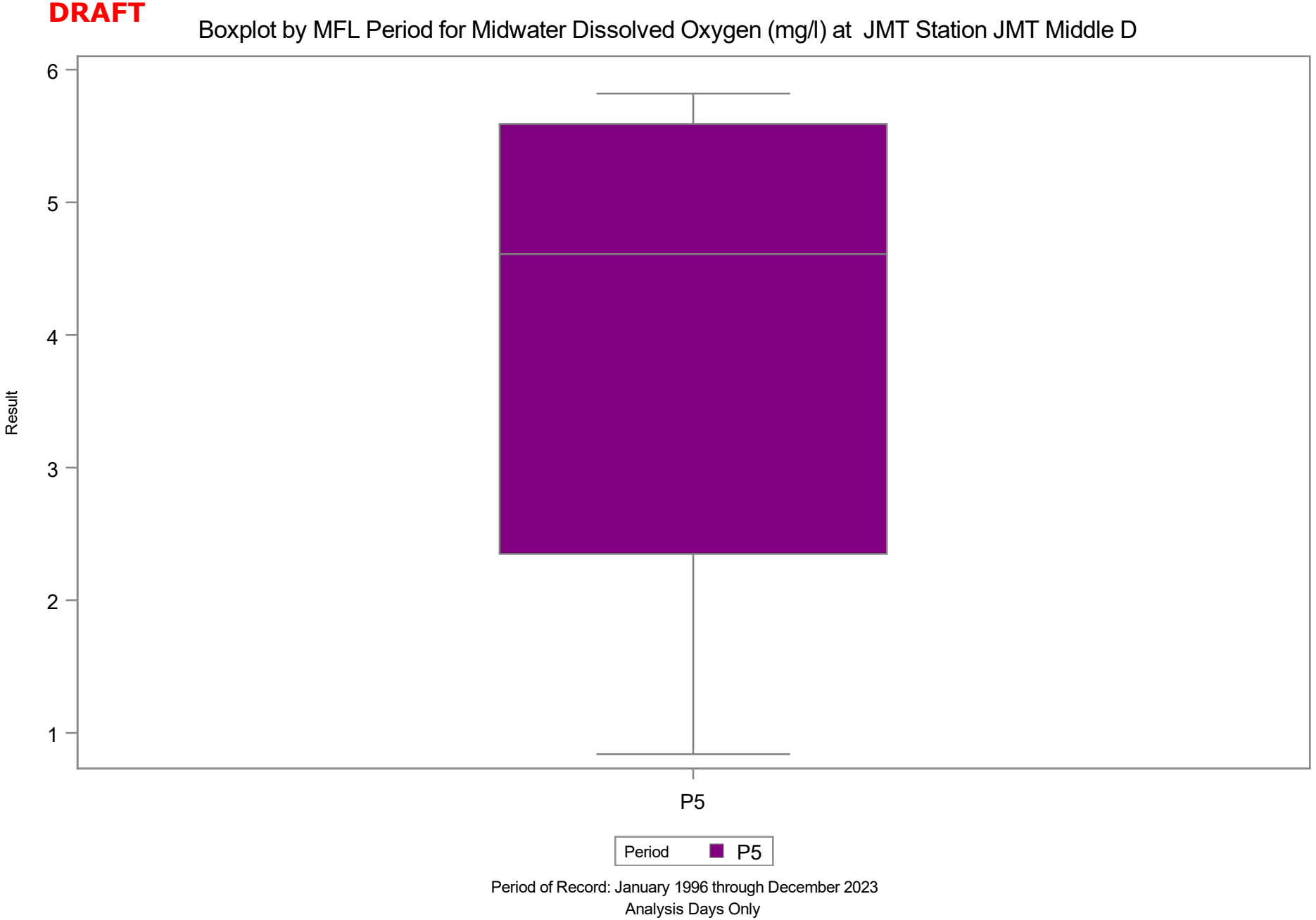
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle D**

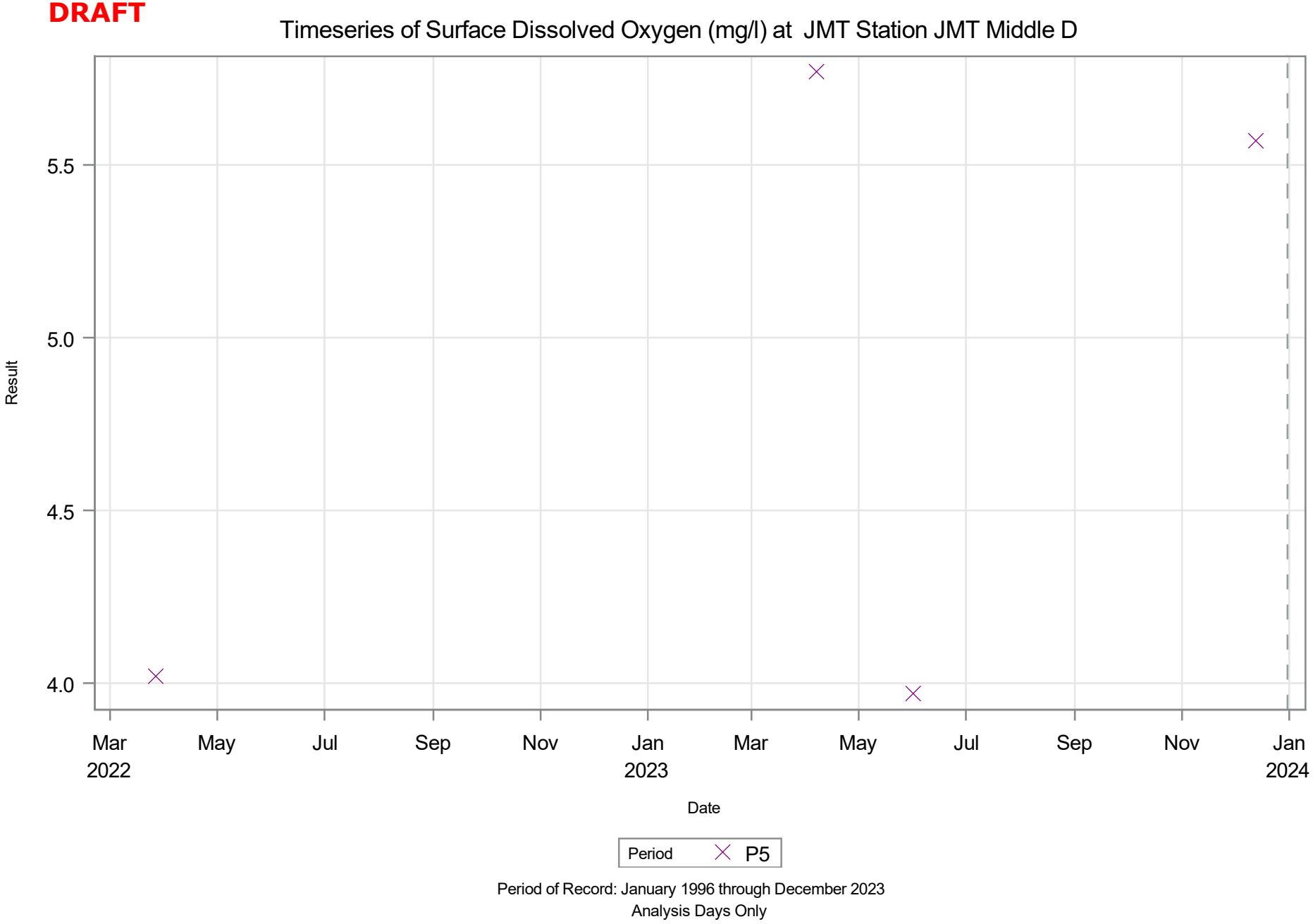
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	0.84	2.35	3.97	4.61	5.59	5.82

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

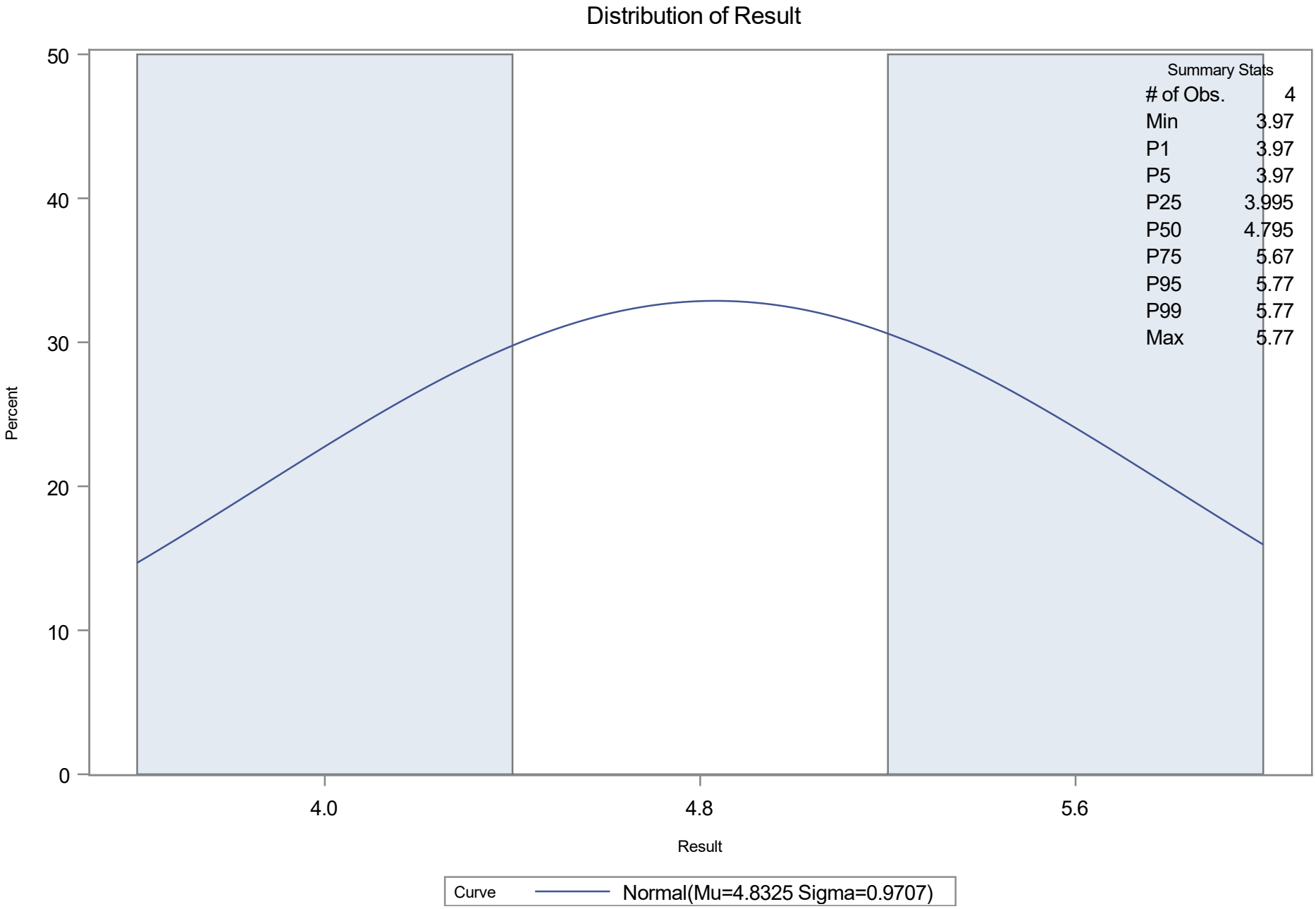

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Middle D
Result
6
5
4
3
2
1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle D
Result
5.5
5.0
4.5
4.0
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.8325
Std Dev	Sigma	0.970717

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29870655	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07952889	**Pr > W-Sq**	0.159
Anderson-Darling	**A-Sq**	0.47160890	**Pr > A-Sq**	0.103

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.97000	2.57427
5.0	3.97000	3.23581
10.0	3.97000	3.58848
25.0	3.99500	4.17776
50.0	4.79500	4.83250
75.0	5.67000	5.48724
90.0	5.77000	6.07652
95.0	5.77000	6.42919
99.0	5.77000	7.09073

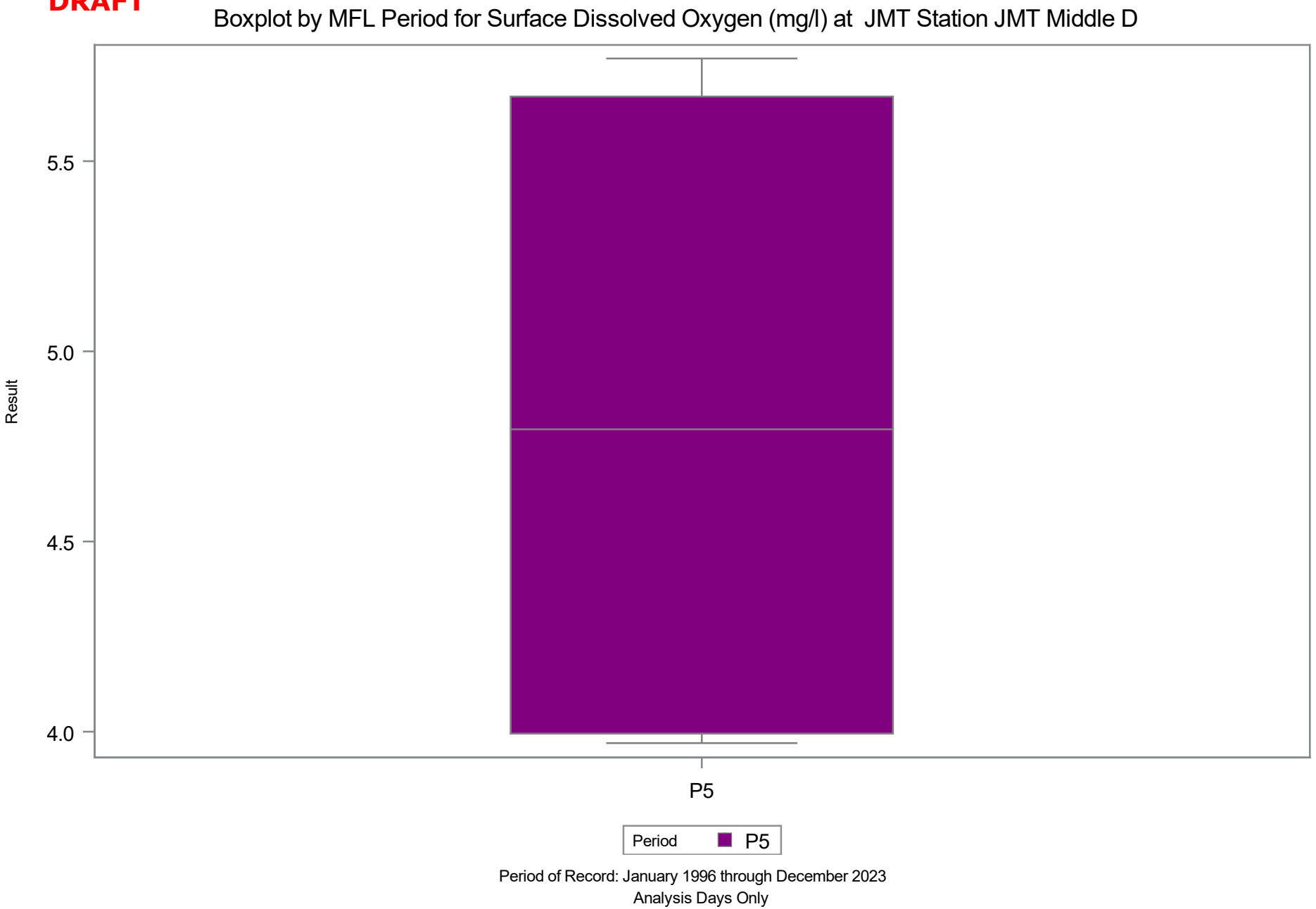
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle D**

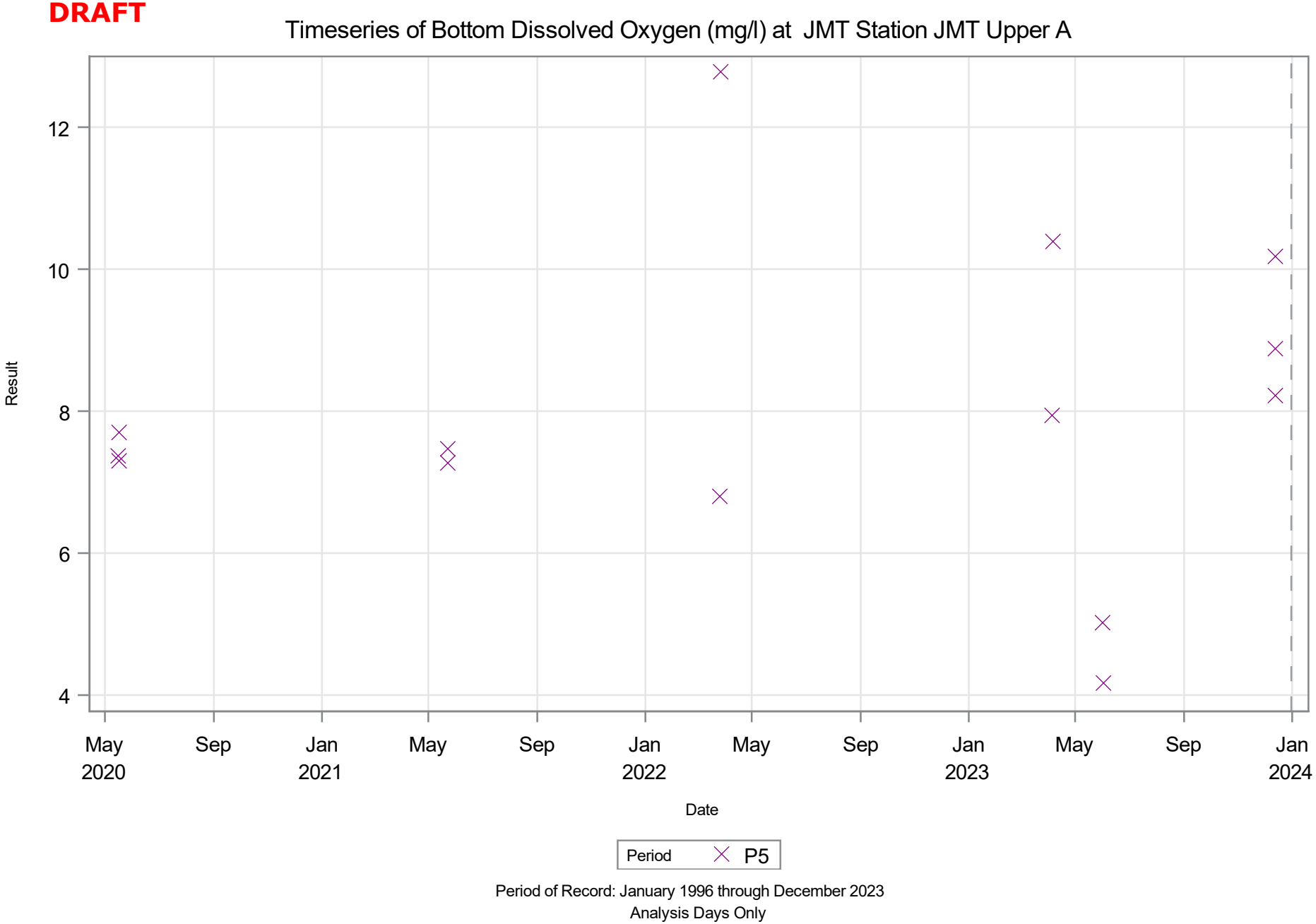
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	3.97	4.00	4.83	4.80	5.67	5.77

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

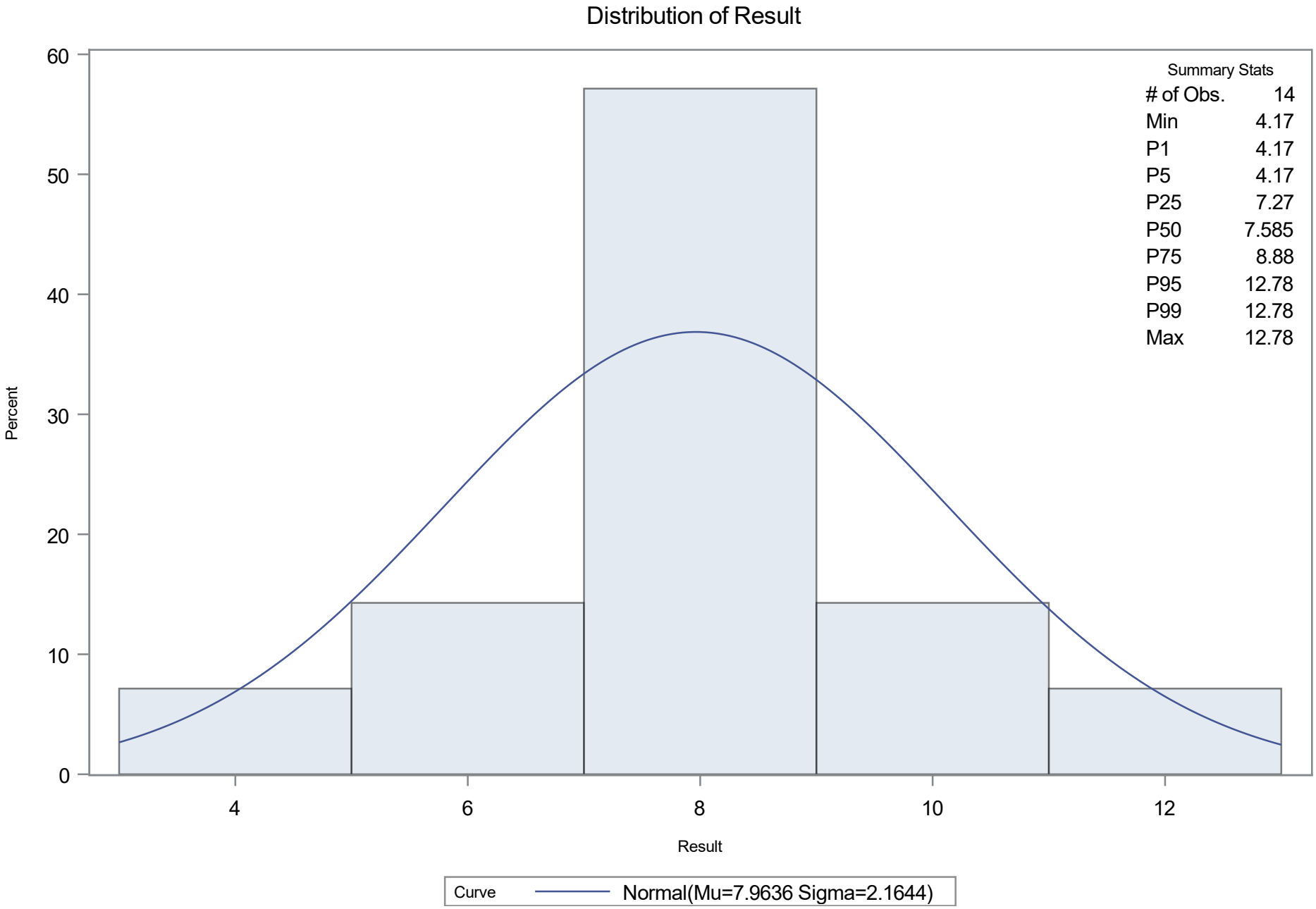

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Middle D
Result
5.5
5.0
4.5
4.0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper A
Result
12
10
8
6
4
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.963571
Std Dev	Sigma	2.16441

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16713135	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08776863	**Pr > W-Sq**	0.151
Anderson-Darling	**A-Sq**	0.45568068	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.17000	2.92840
5.0	4.17000	4.40343
10.0	5.02000	5.18977
25.0	7.27000	6.50370
50.0	7.58500	7.96357
75.0	8.88000	9.42344
90.0	10.39000	10.73737
95.0	12.78000	11.52371
99.0	12.78000	12.99874

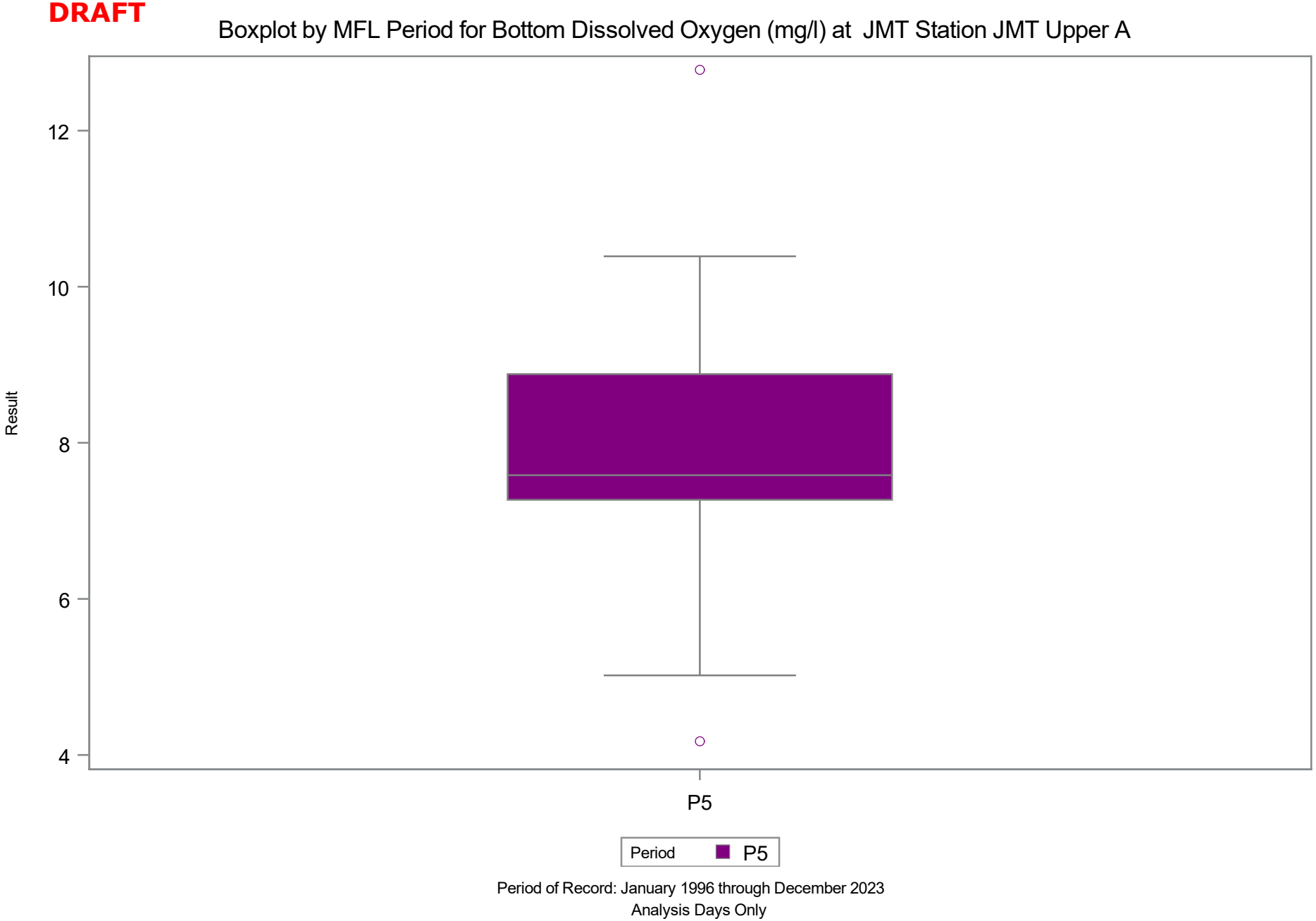
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper A**

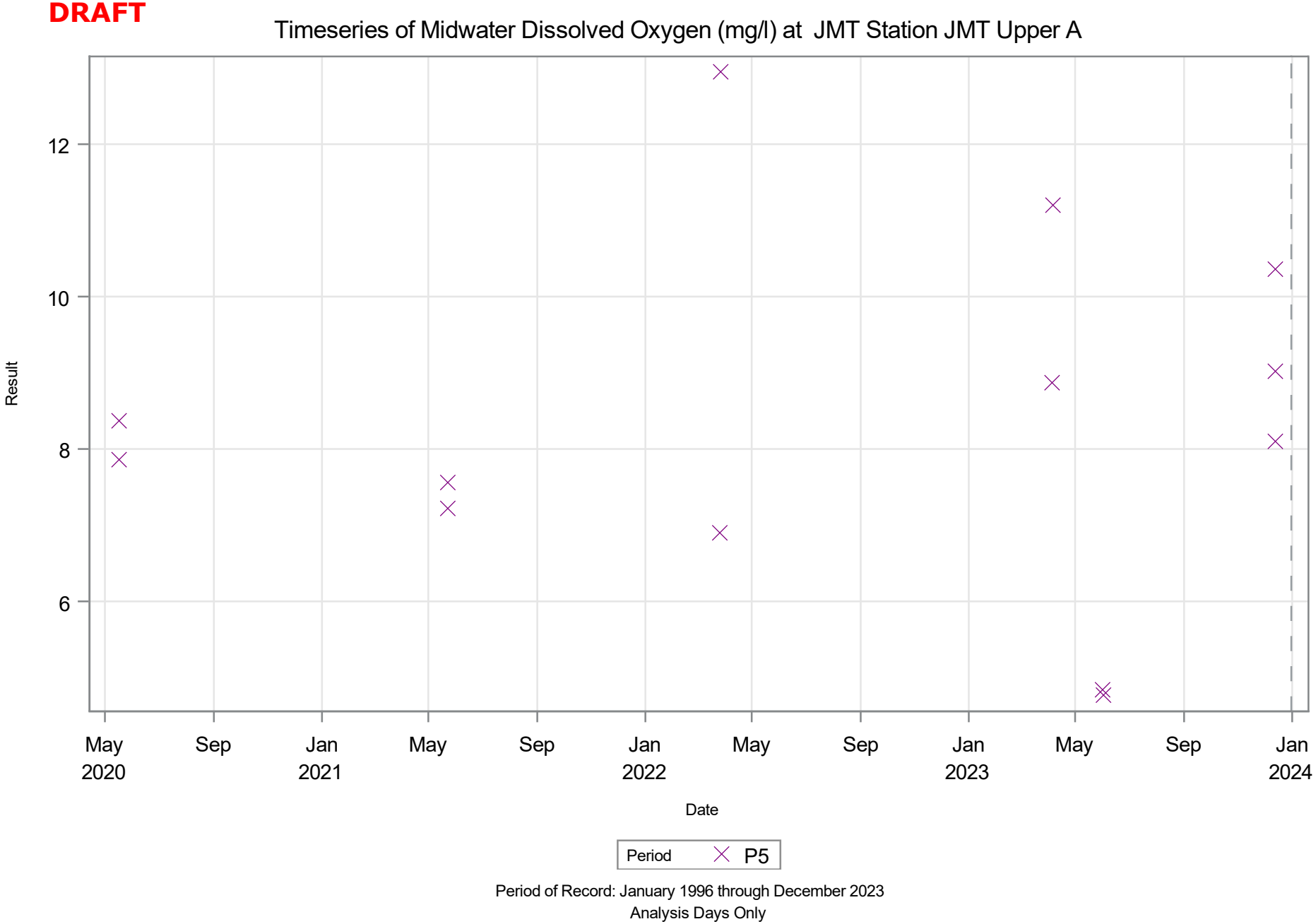
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	4.17	7.27	7.96	7.59	8.88	12.78

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper A
Result
12
10
8
6
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

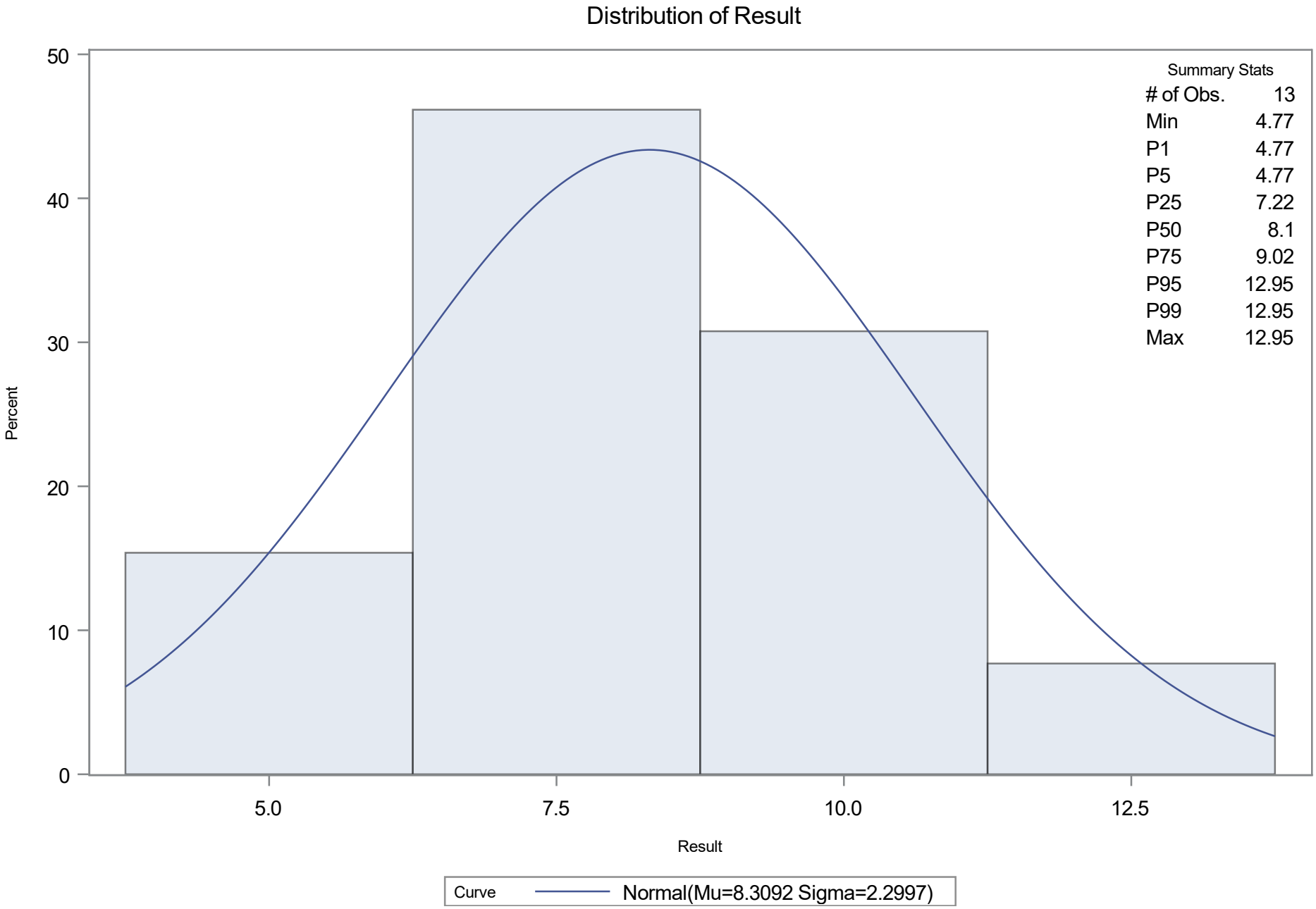
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.309231
Std Dev	Sigma	2.299697

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14786461	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03994865	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25600564	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.77000	2.95933
5.0	4.77000	4.52657
10.0	4.84000	5.36205
25.0	7.22000	6.75811
50.0	8.10000	8.30923
75.0	9.02000	9.86035
90.0	11.20000	11.25641
95.0	12.95000	12.09190
99.0	12.95000	13.65913

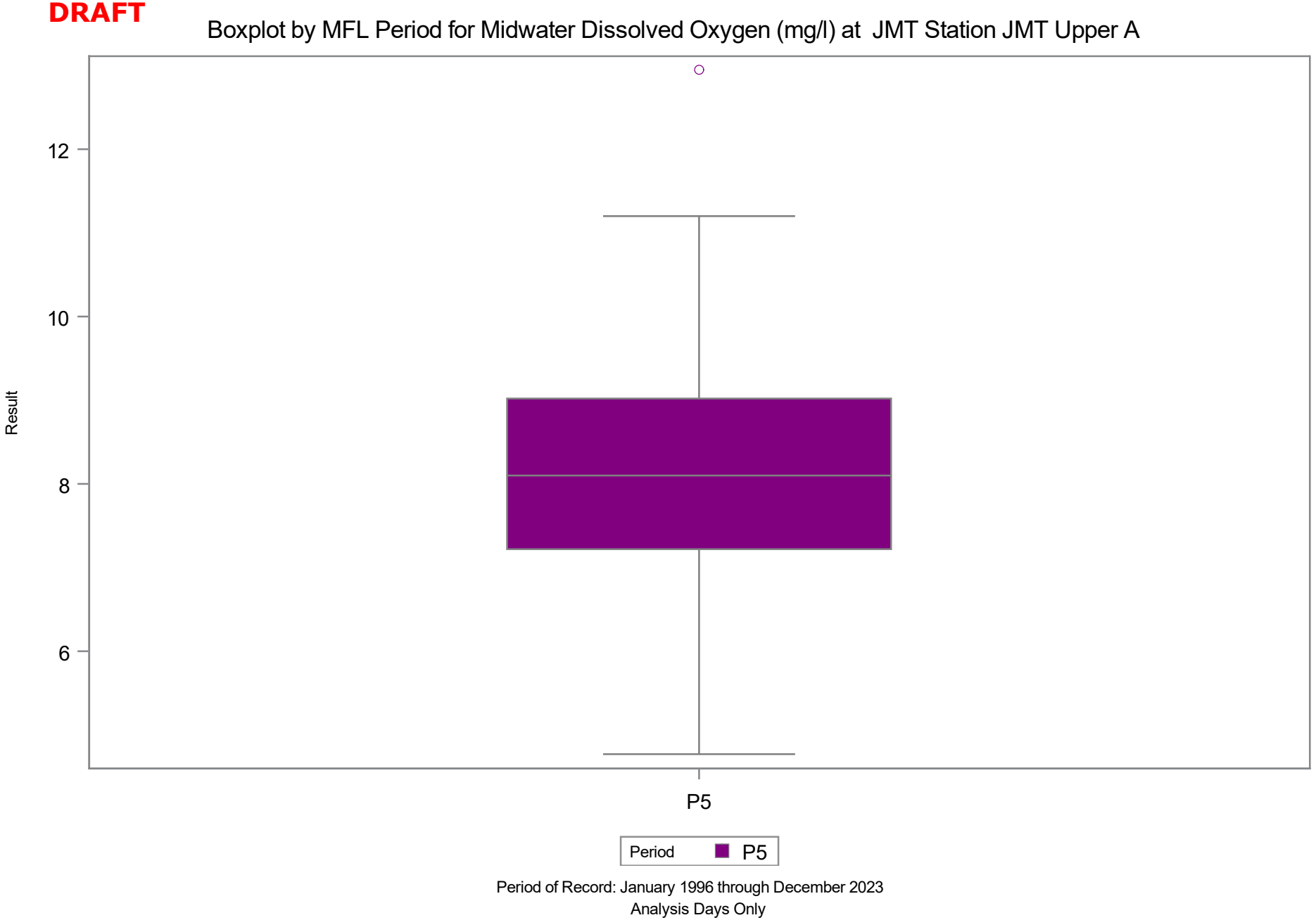
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper A**

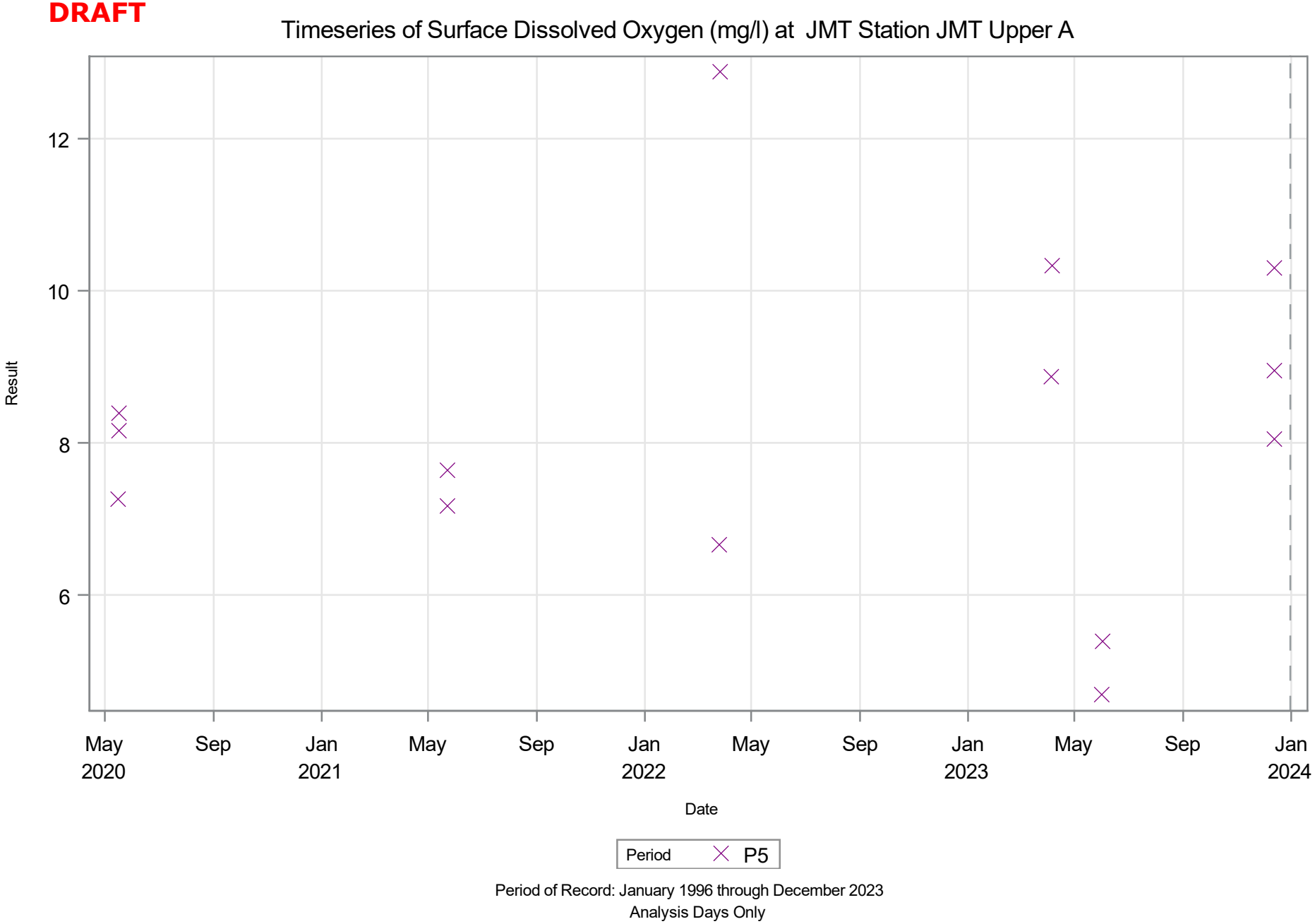
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	4.77	7.22	8.31	8.10	9.02	12.95

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

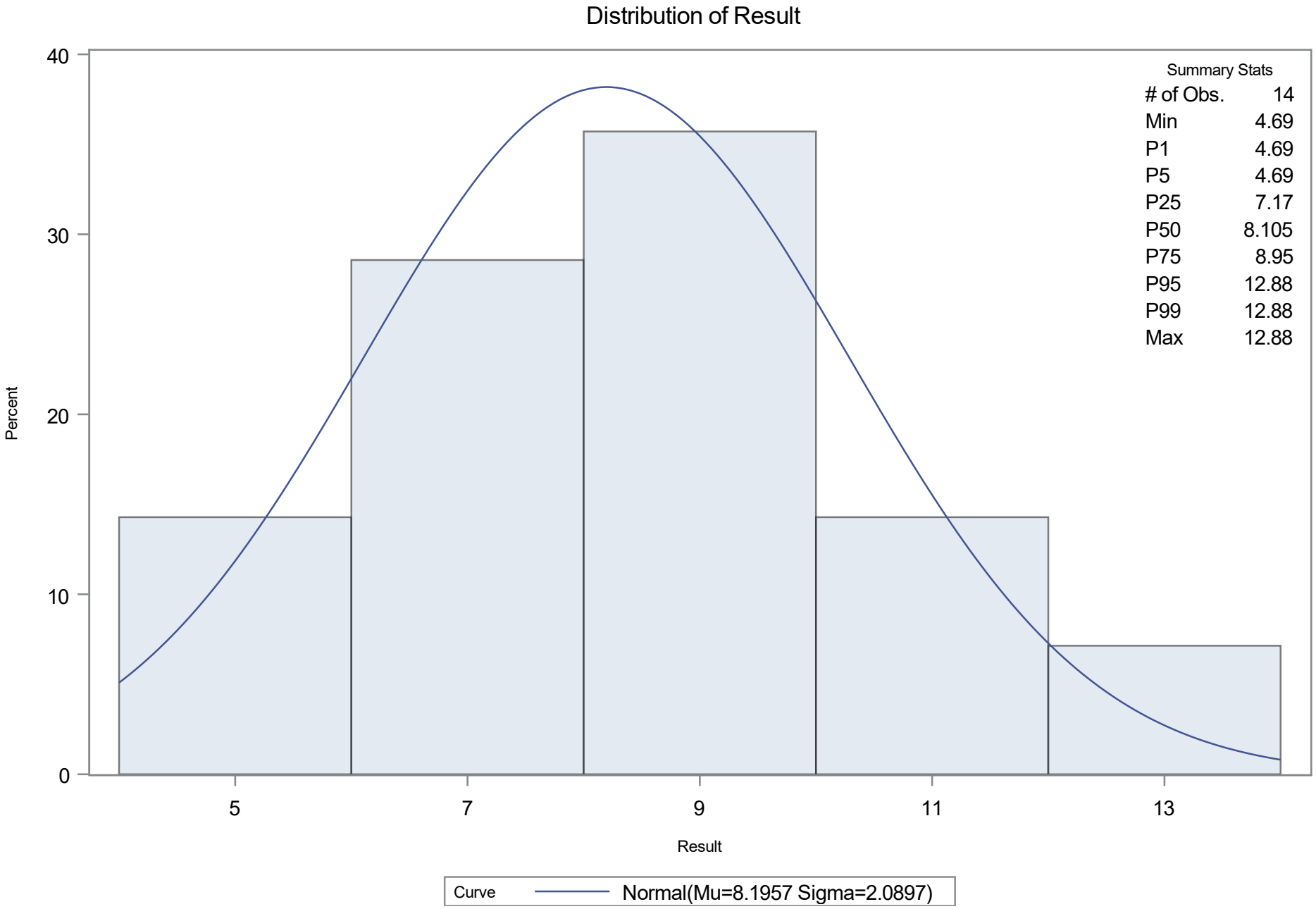

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper A
Result
12
10
8
6
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper A
Result
12
10
8
6
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.195714
Std Dev	Sigma	2.089655

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14477826	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03754866	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.24512276	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.69000	3.33445
5.0	4.69000	4.75854
10.0	5.39000	5.51771
25.0	7.17000	6.78626
50.0	8.10500	8.19571
75.0	8.95000	9.60517
90.0	10.33000	10.87371
95.0	12.88000	11.63289
99.0	12.88000	13.05698

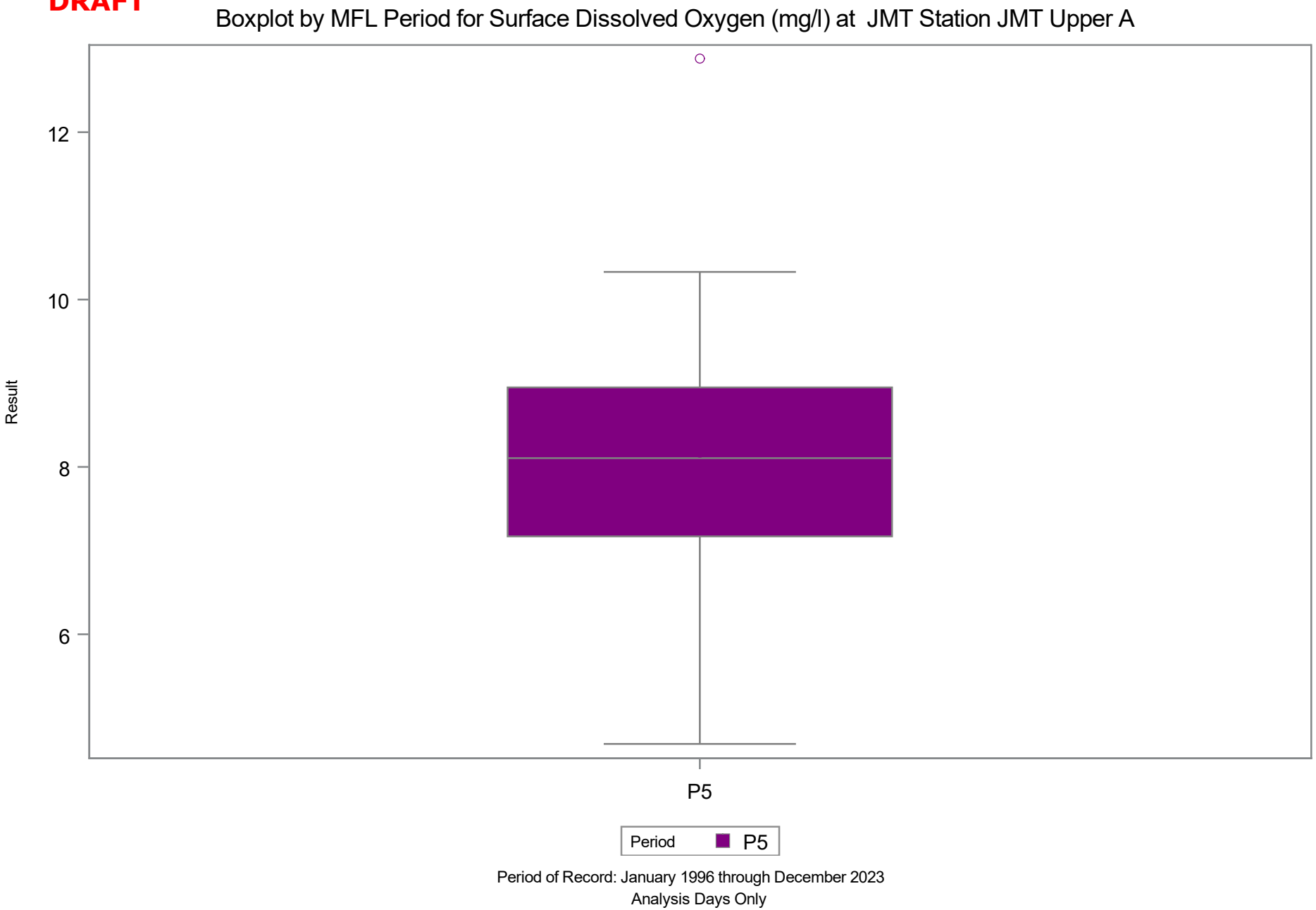
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper A**

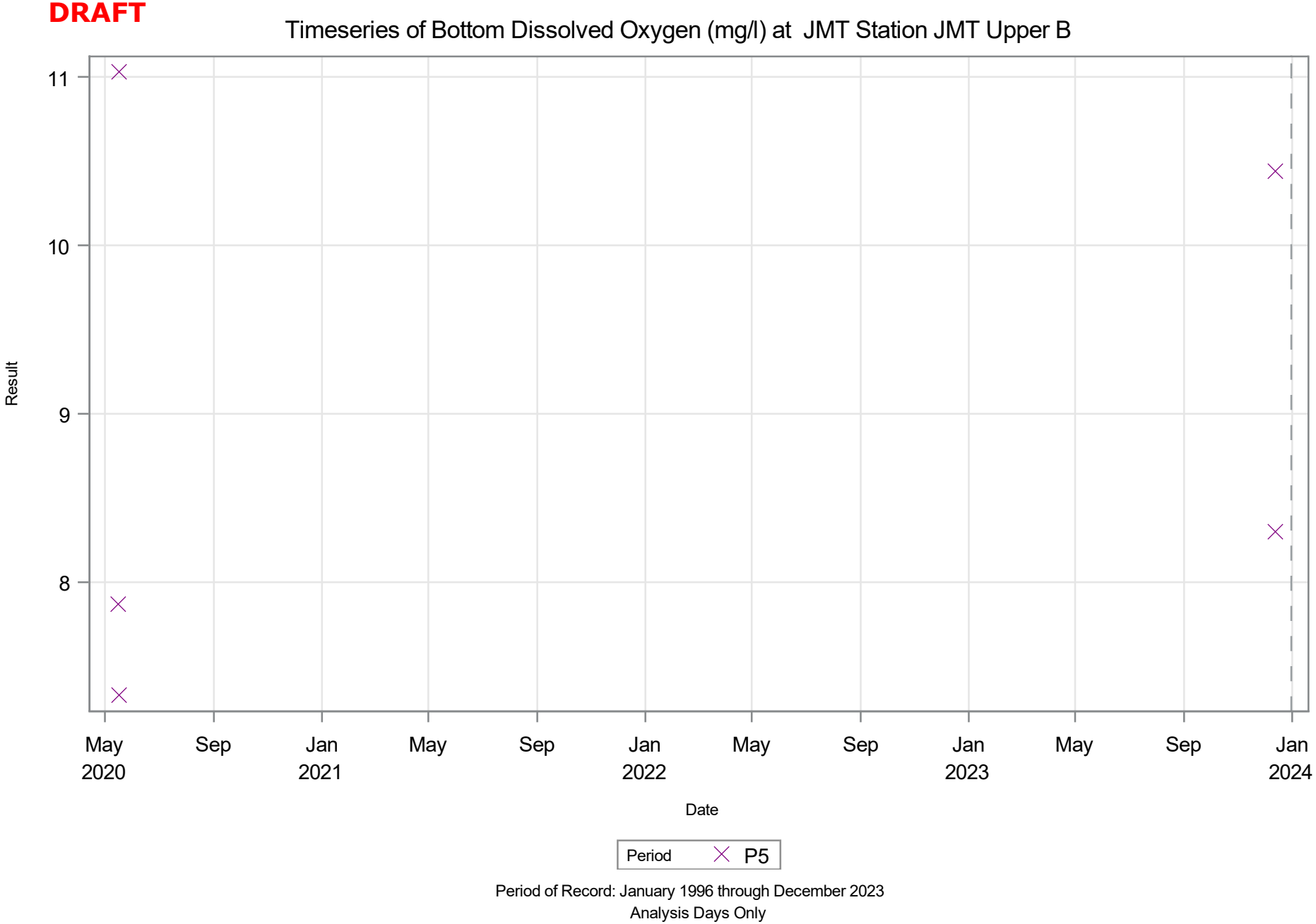
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	4.69	7.17	8.20	8.11	8.95	12.88

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper A
Result
12
10
8
6
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

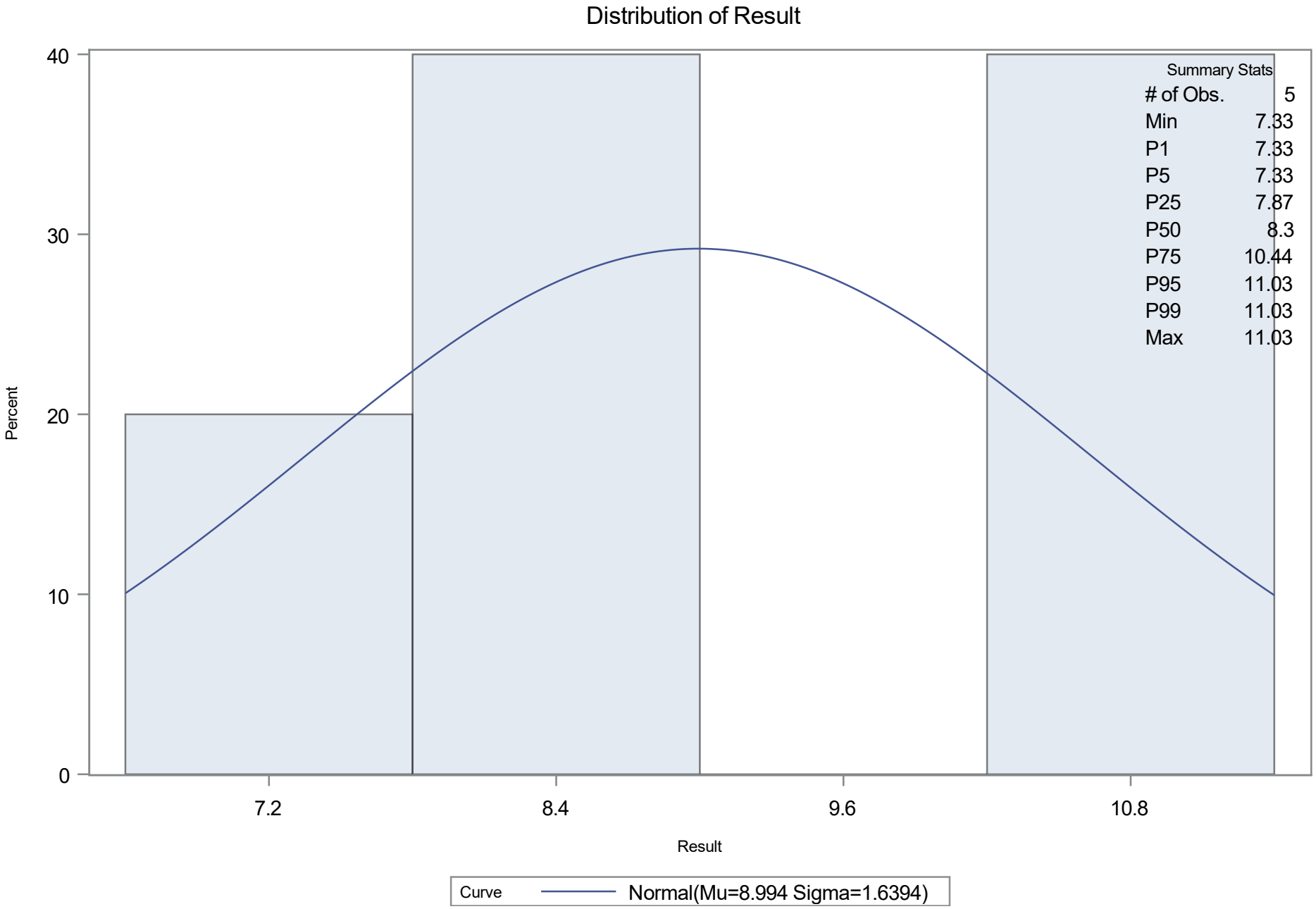
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.994
Std Dev	Sigma	1.639369

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26397408	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06184887	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35640156	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.33000	5.18026
5.0	7.33000	6.29748
10.0	7.33000	6.89306
25.0	7.87000	7.88826
50.0	8.30000	8.99400
75.0	10.44000	10.09974
90.0	11.03000	11.09494
95.0	11.03000	11.69052
99.0	11.03000	12.80774

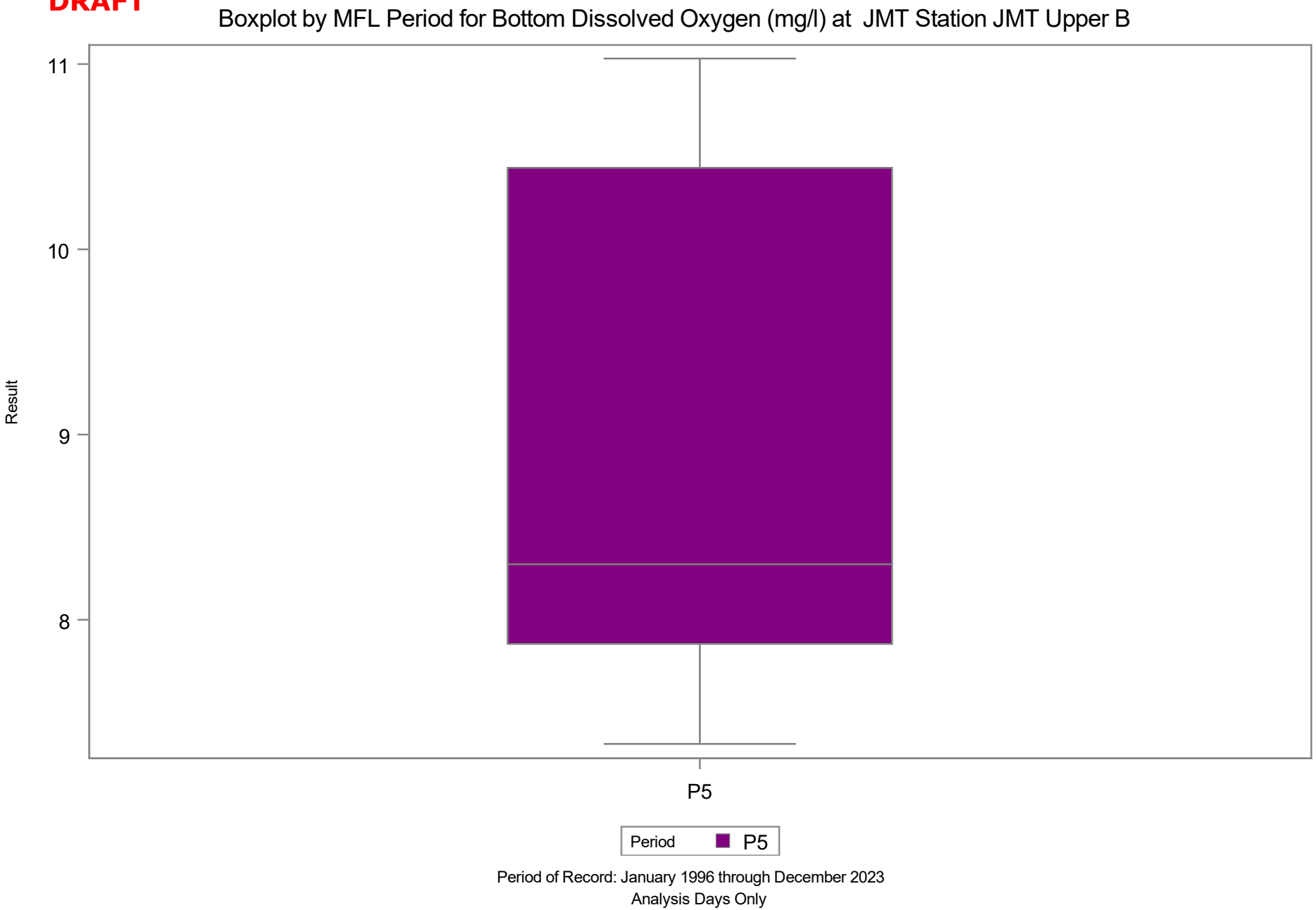
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper B**

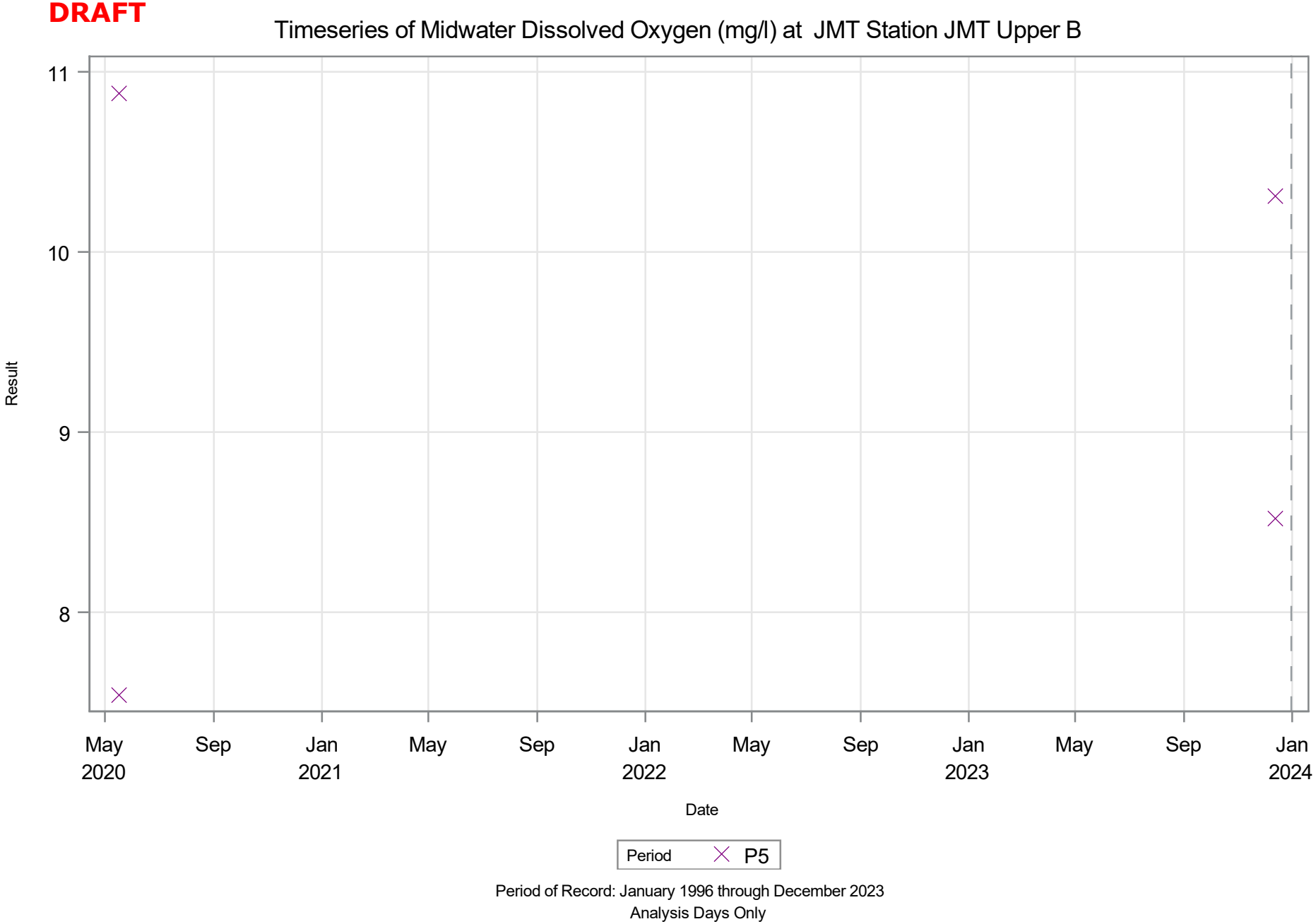
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	7.33	7.87	8.99	8.30	10.44	11.03

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper B
11
10
9
8
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

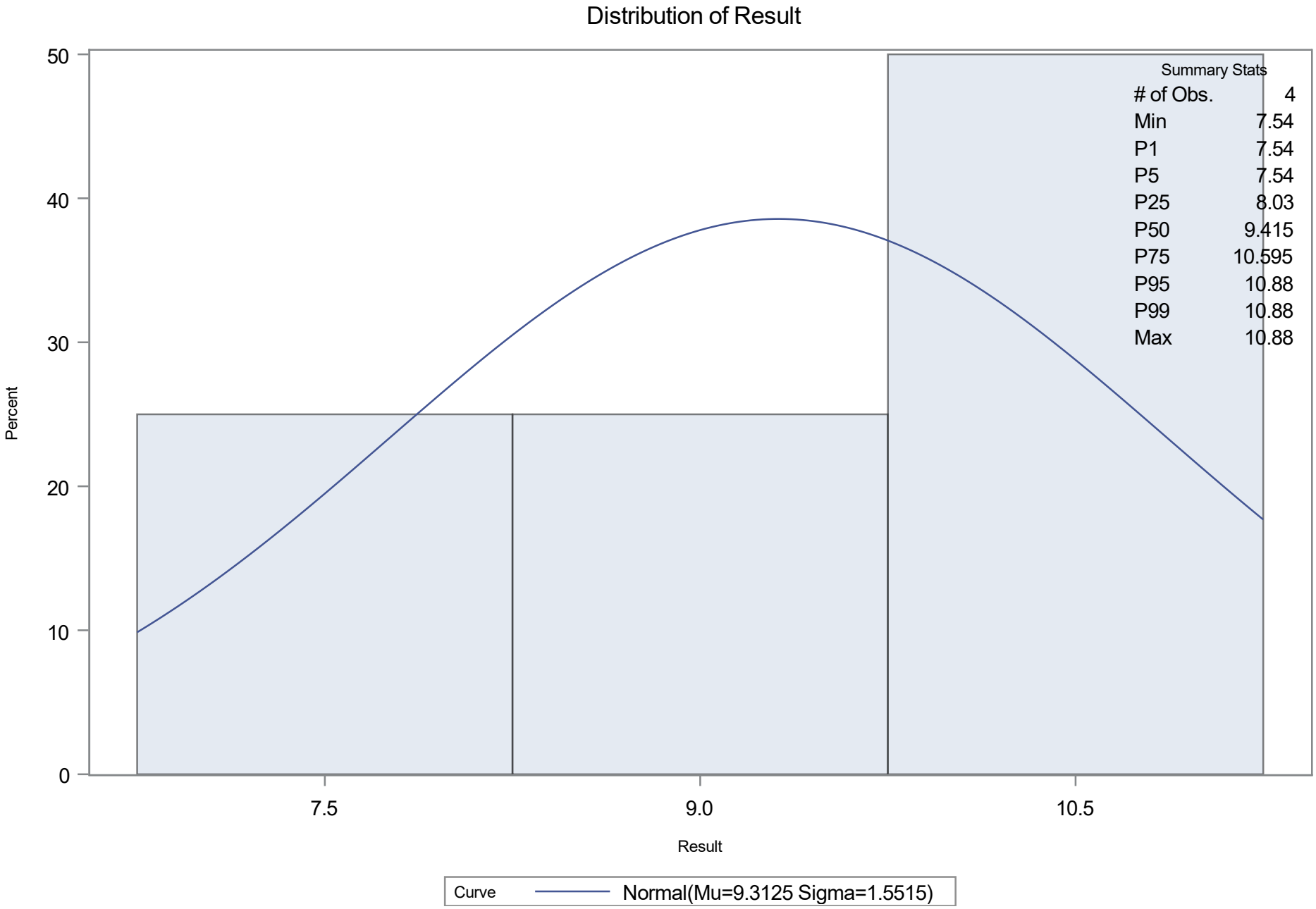
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.3125
Std Dev	Sigma	1.551545

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23985797	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03993532	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.24699724	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.54000	5.70307
5.0	7.54000	6.76044
10.0	7.54000	7.32412
25.0	8.03000	8.26600
50.0	9.41500	9.31250
75.0	10.59500	10.35900
90.0	10.88000	11.30088
95.0	10.88000	11.86456
99.0	10.88000	12.92193

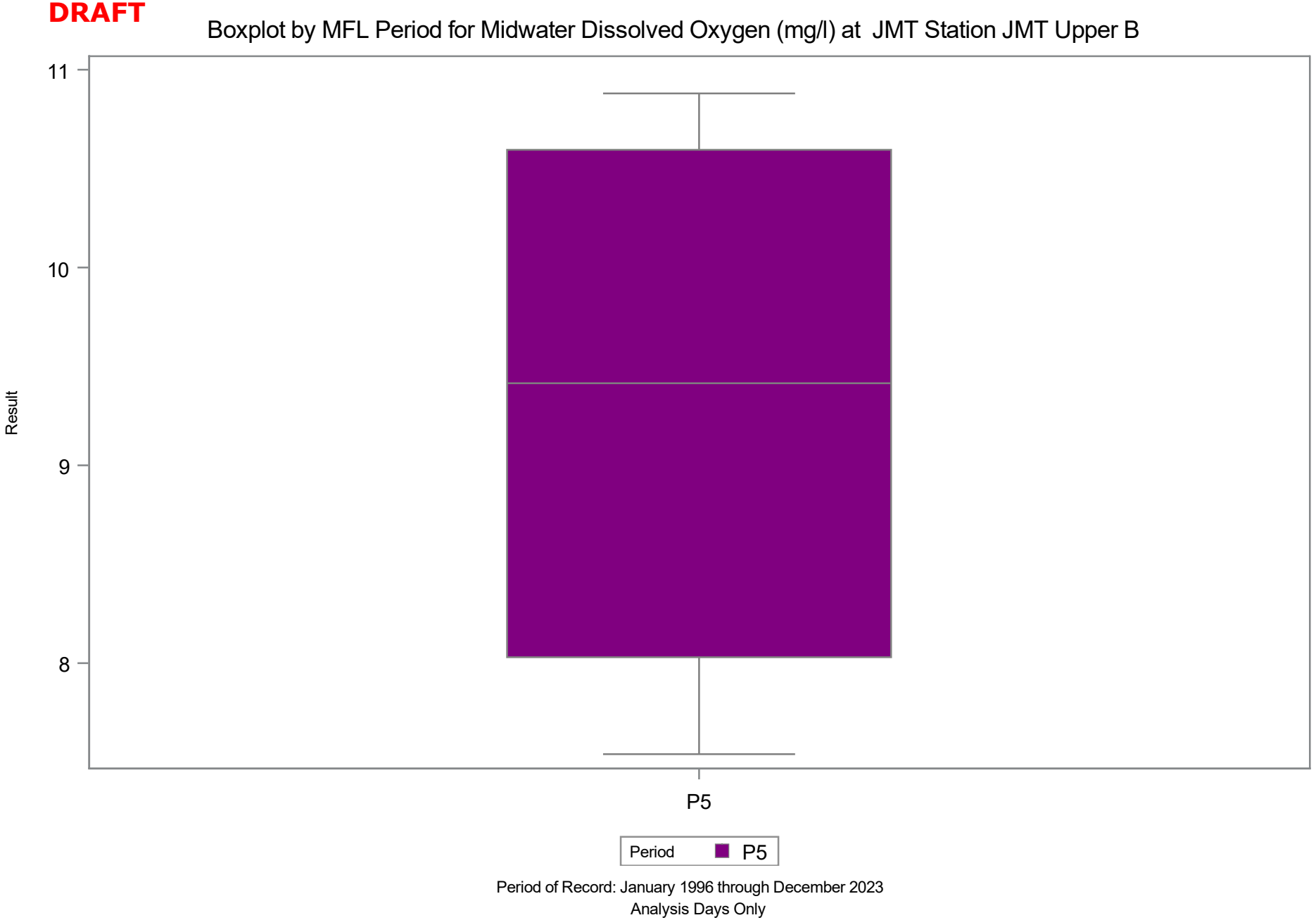
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper B**

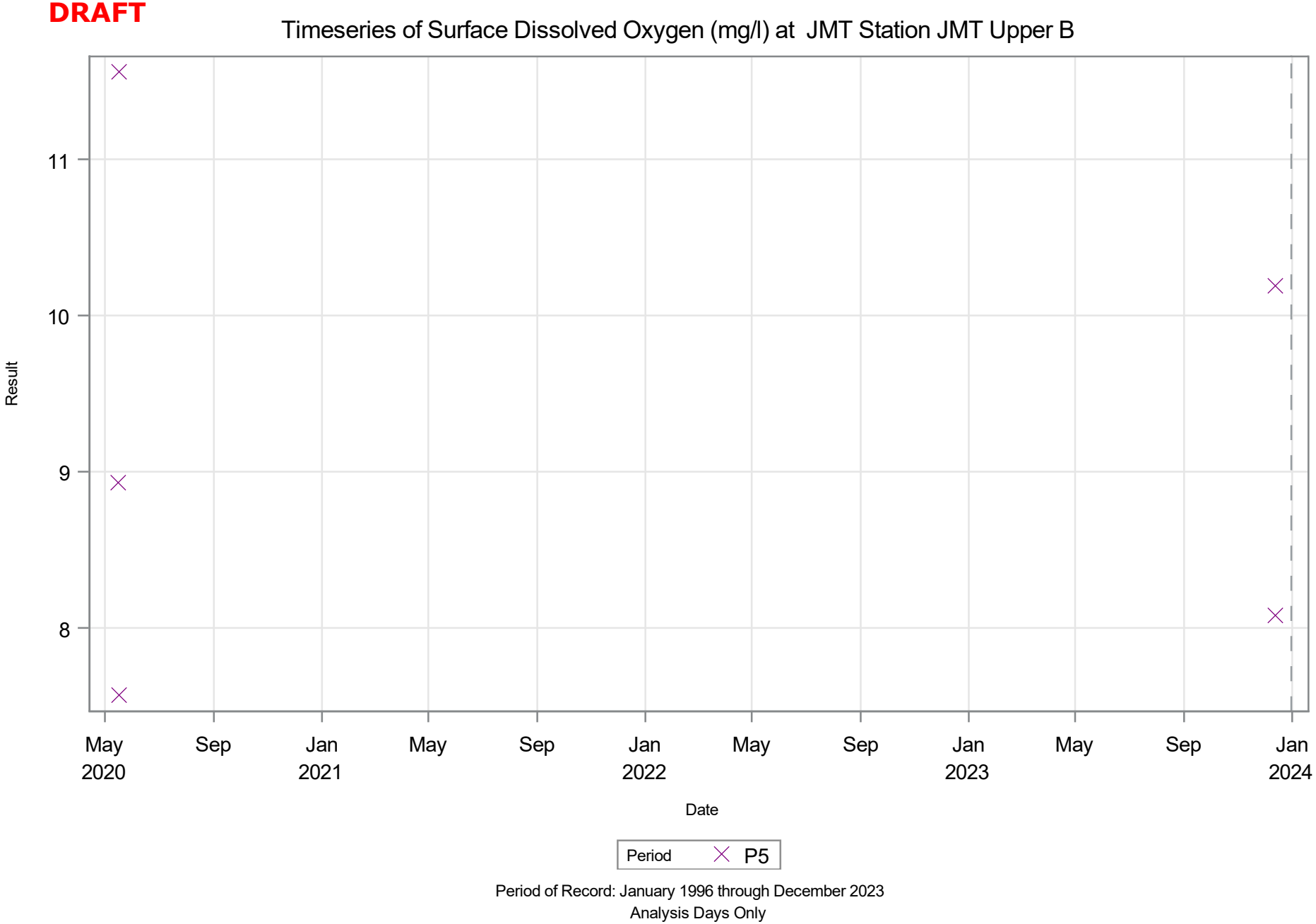
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	7.54	8.03	9.31	9.42	10.60	10.88

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

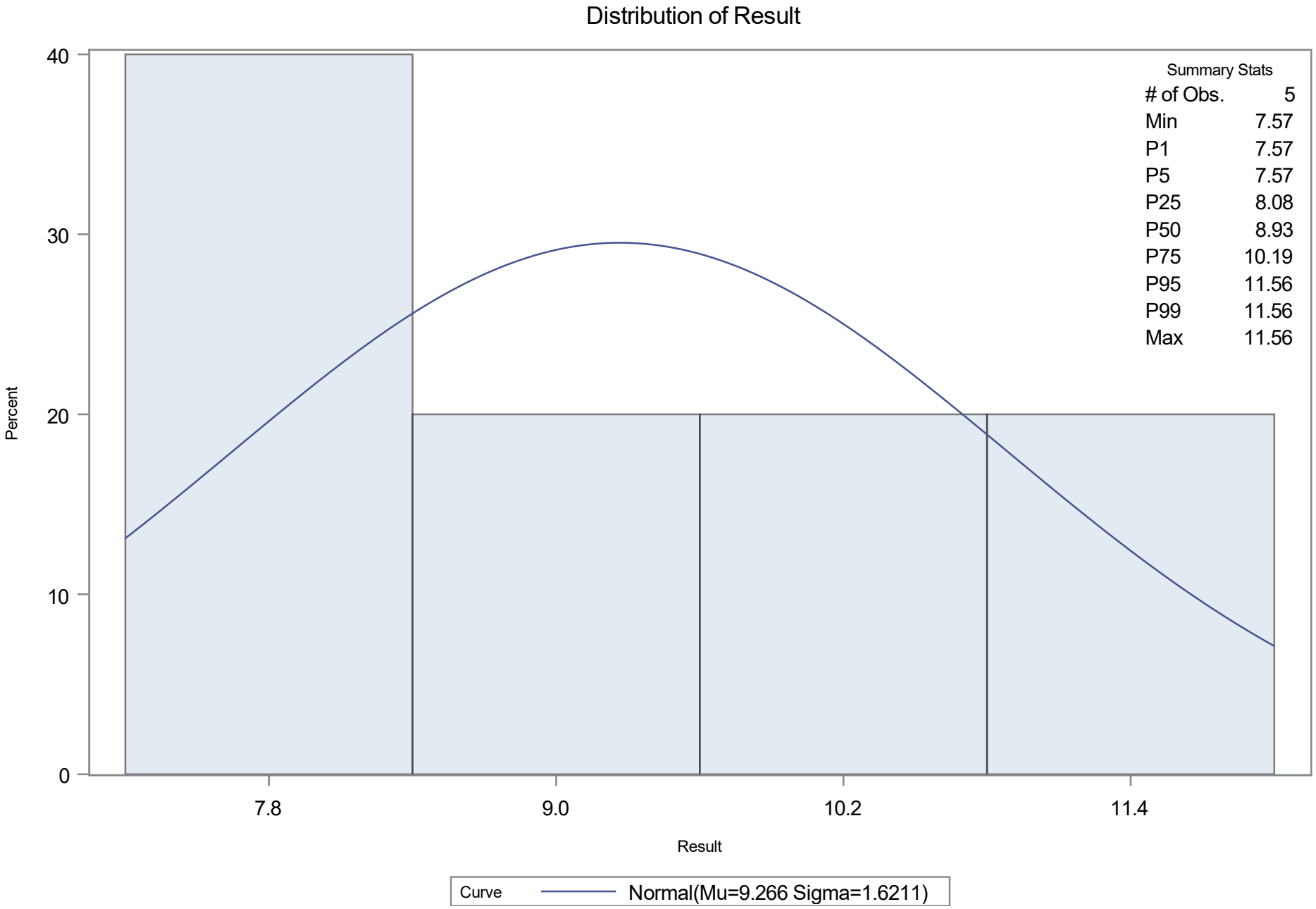

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper B
Result
11
10
9
8
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper B
Result
11
10
9
8
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.266
Std Dev	Sigma	1.62112

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18209820	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03098749	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20883227	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.57000	5.49471
5.0	7.57000	6.59949
10.0	7.57000	7.18845
25.0	8.08000	8.17257
50.0	8.93000	9.26600
75.0	10.19000	10.35943
90.0	11.56000	11.34355
95.0	11.56000	11.93251
99.0	11.56000	13.03729

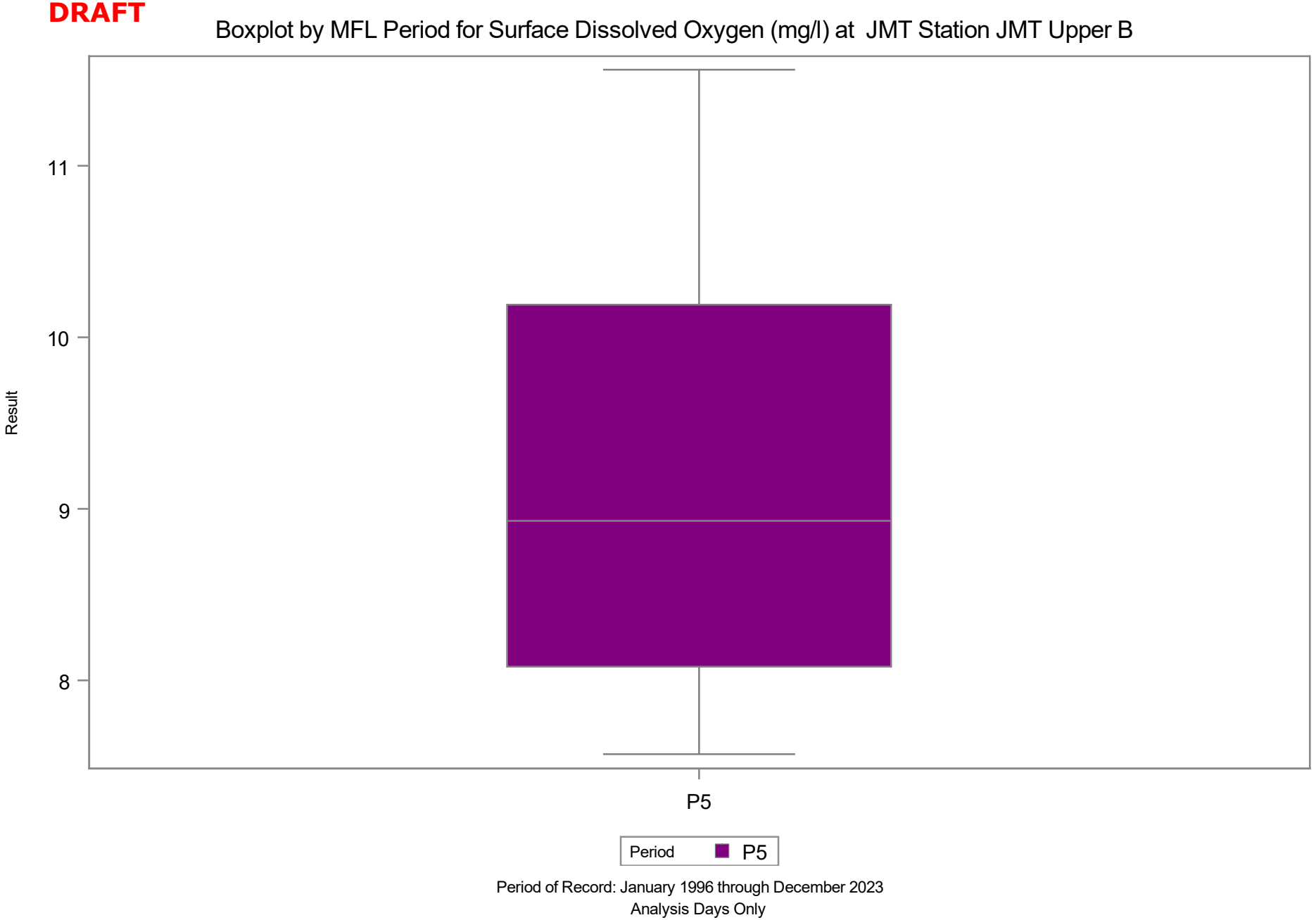
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper B**

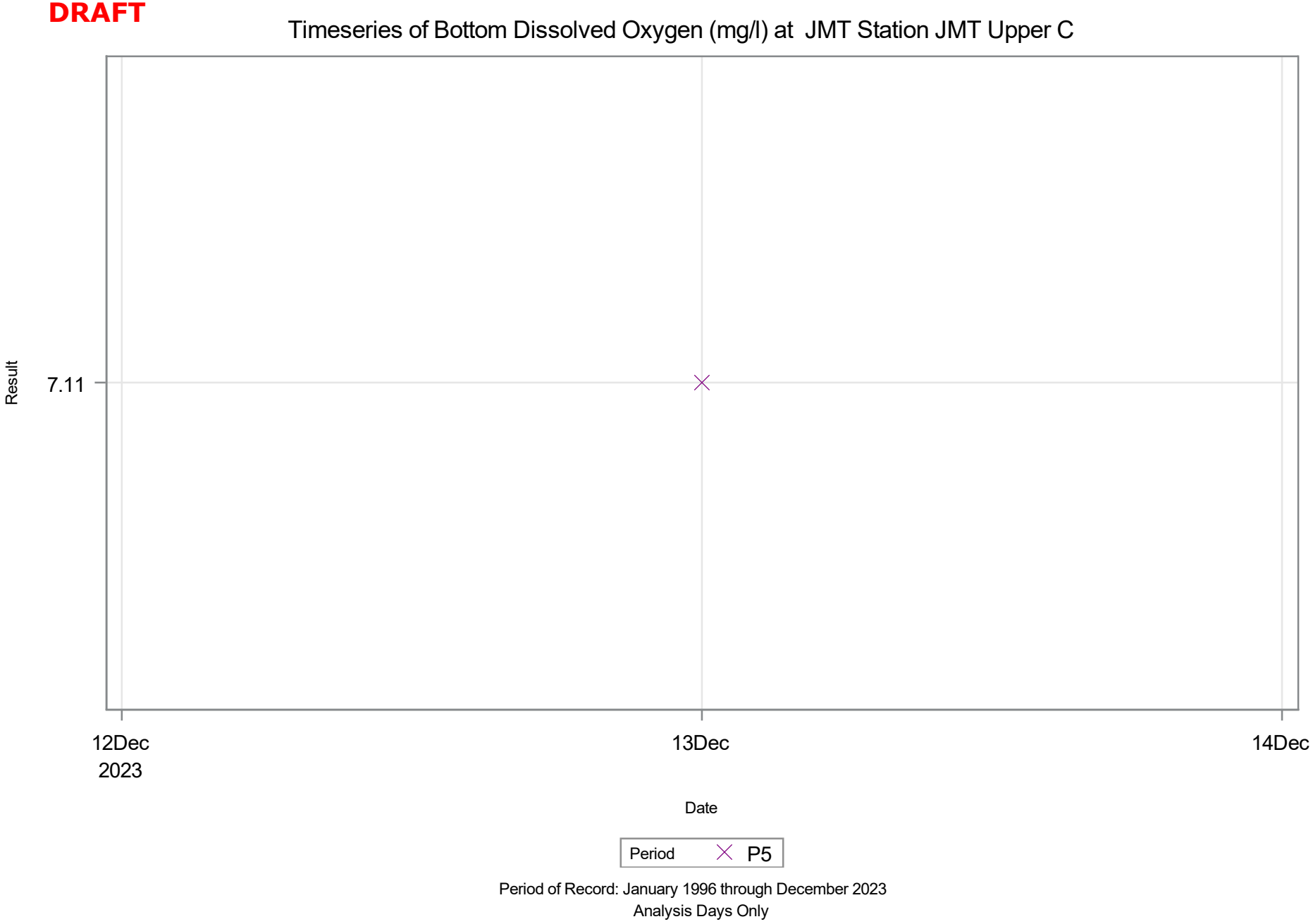
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	7.57	8.08	9.27	8.93	10.19	11.56

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

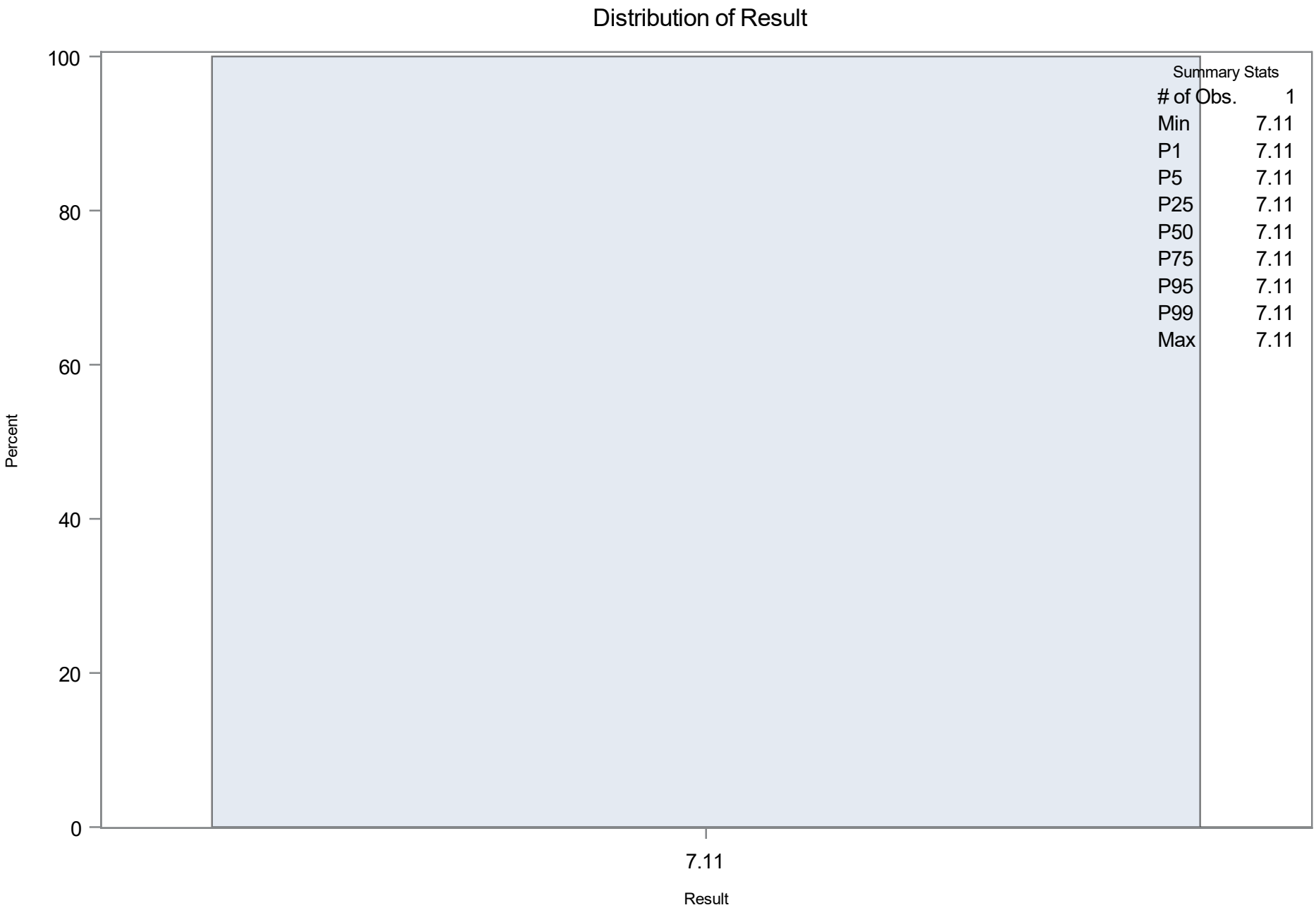

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper B
Result
11
10
9
8
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper C
Result
7.11
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper C



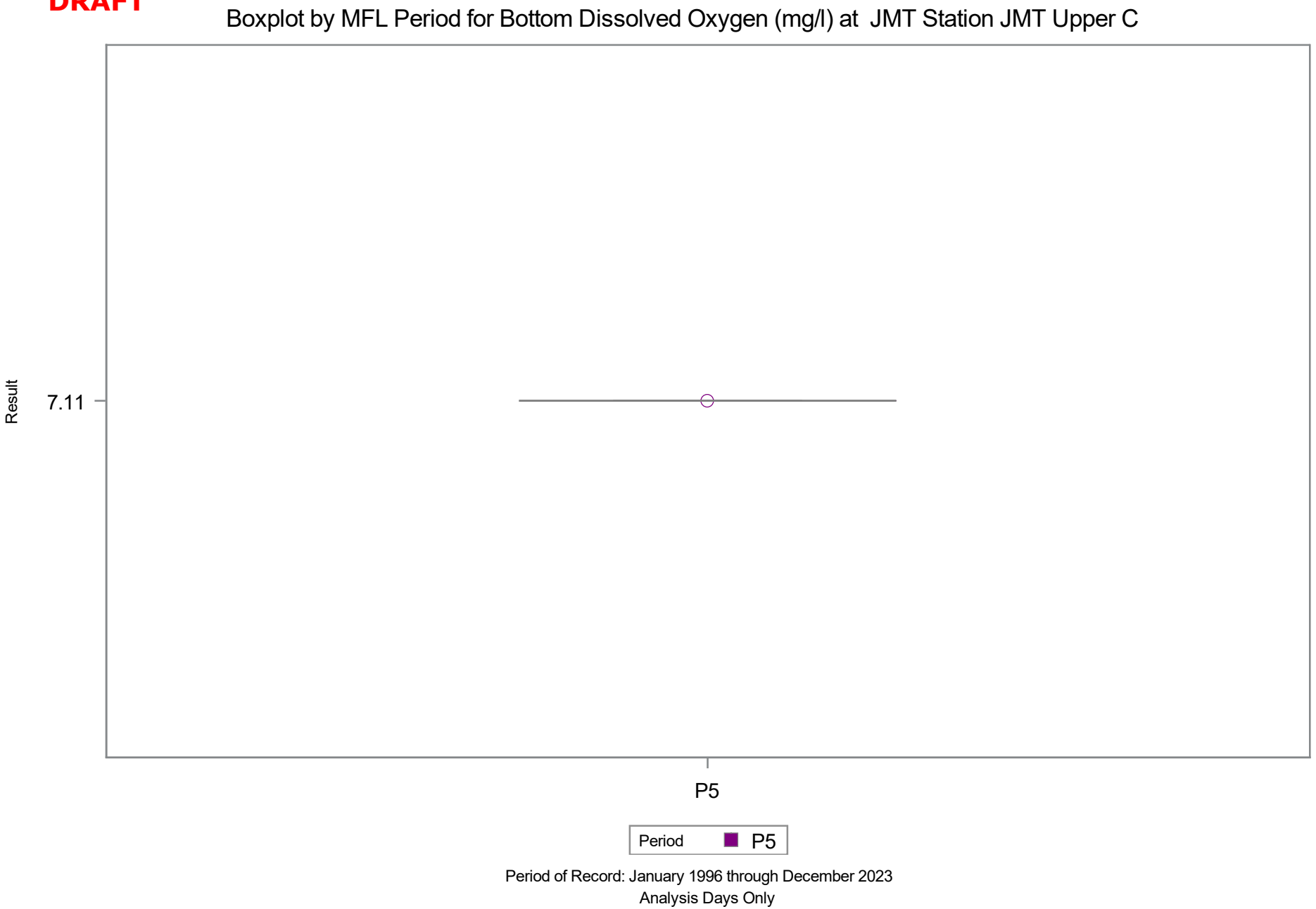
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper C**

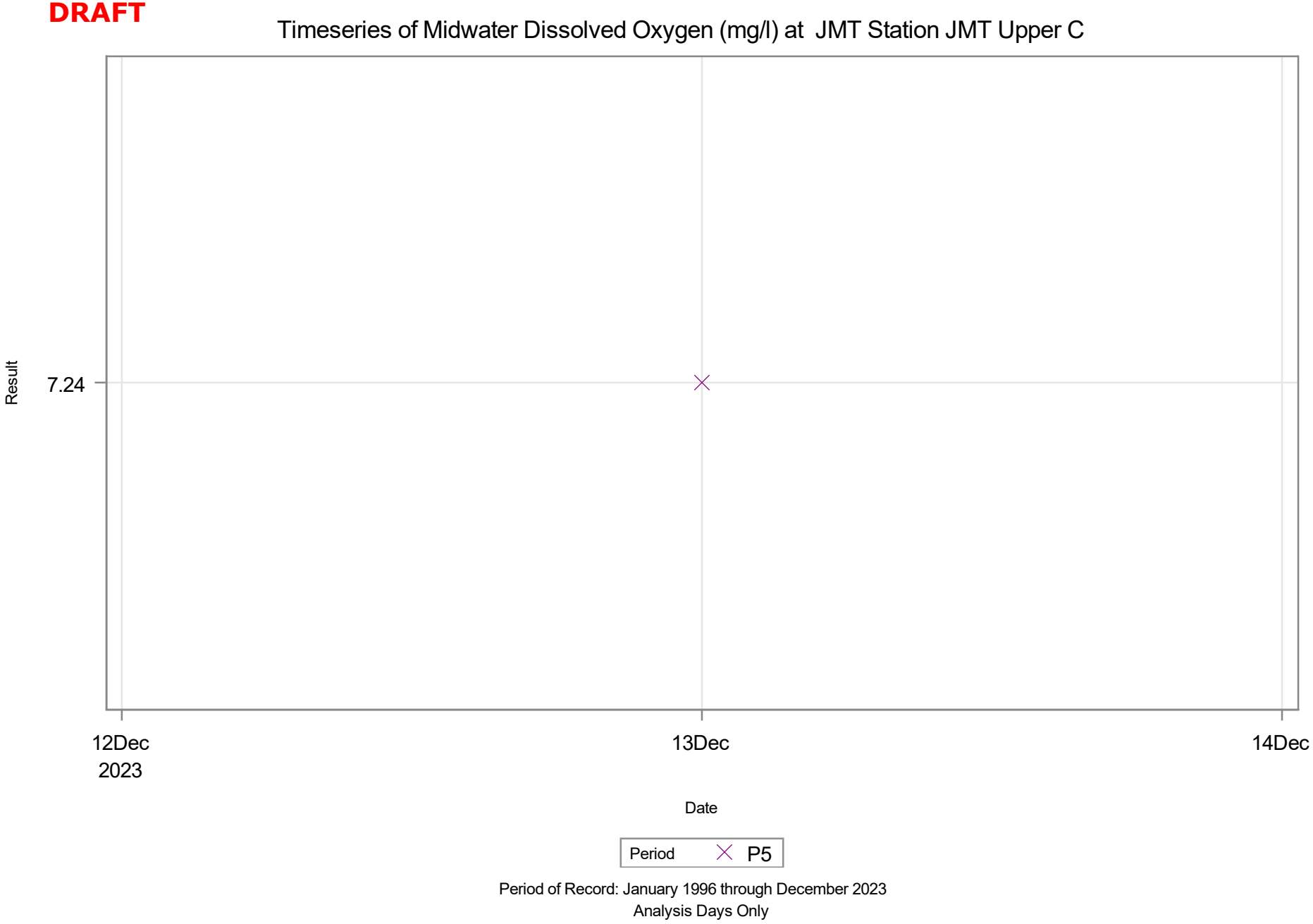
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	7.11	7.11	7.11	7.11	7.11	7.11

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

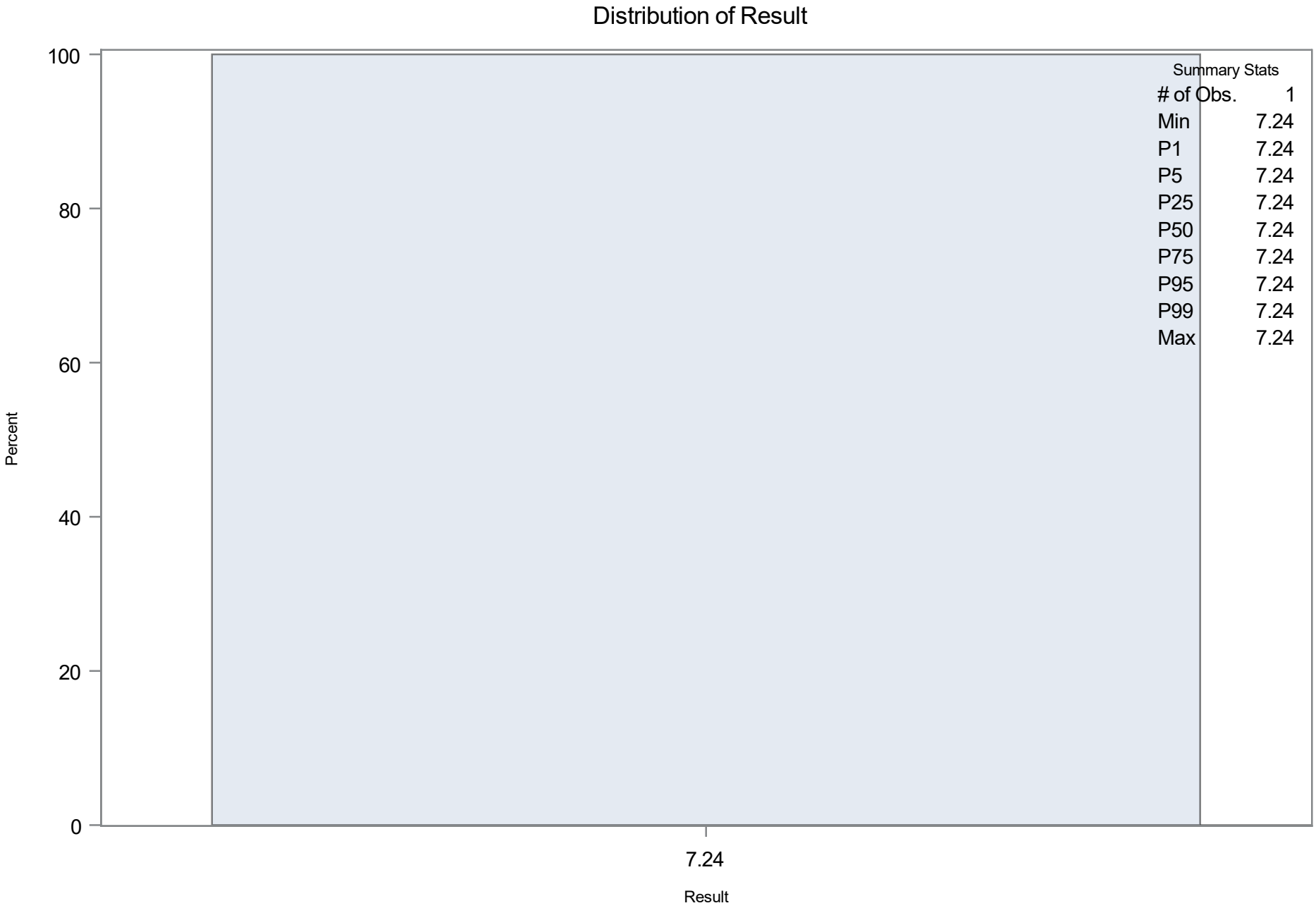

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper C
Result
7.11
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper C
Result
7.24
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

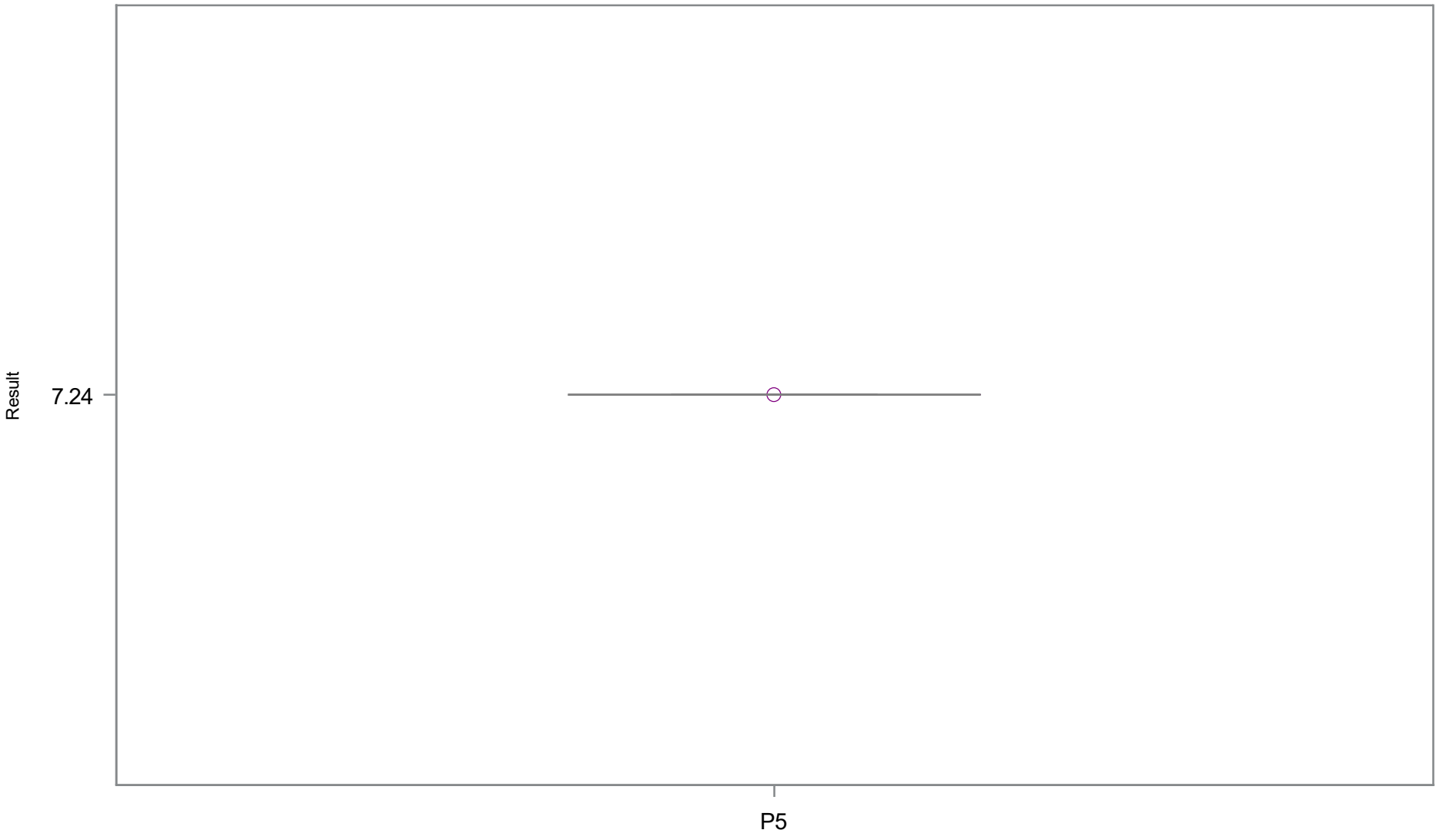
DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper C**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	7.24	7.24	7.24	7.24	7.24	7.24

Period of Record: January 1996 through December 2023
Analysis Days Only

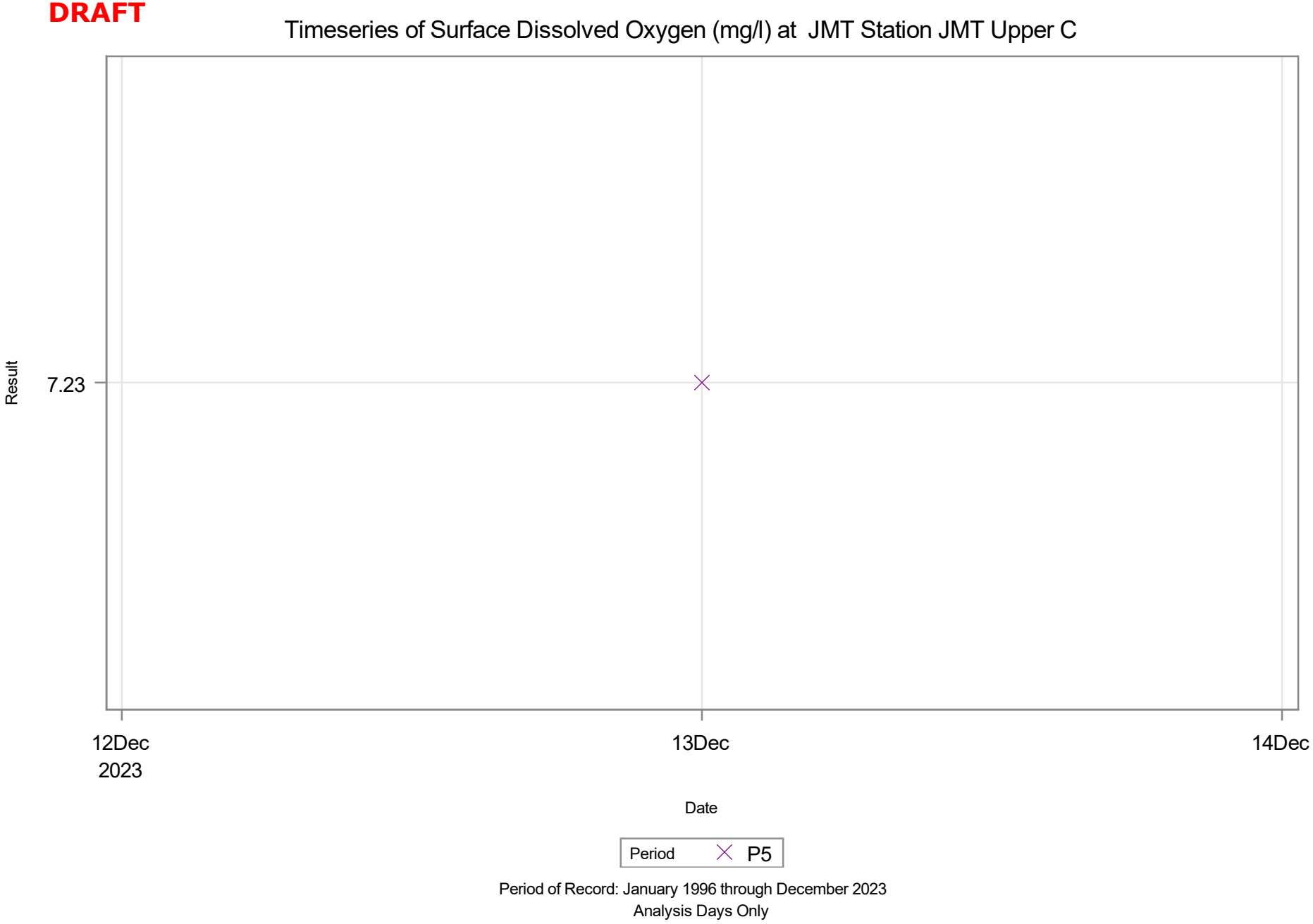
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper C



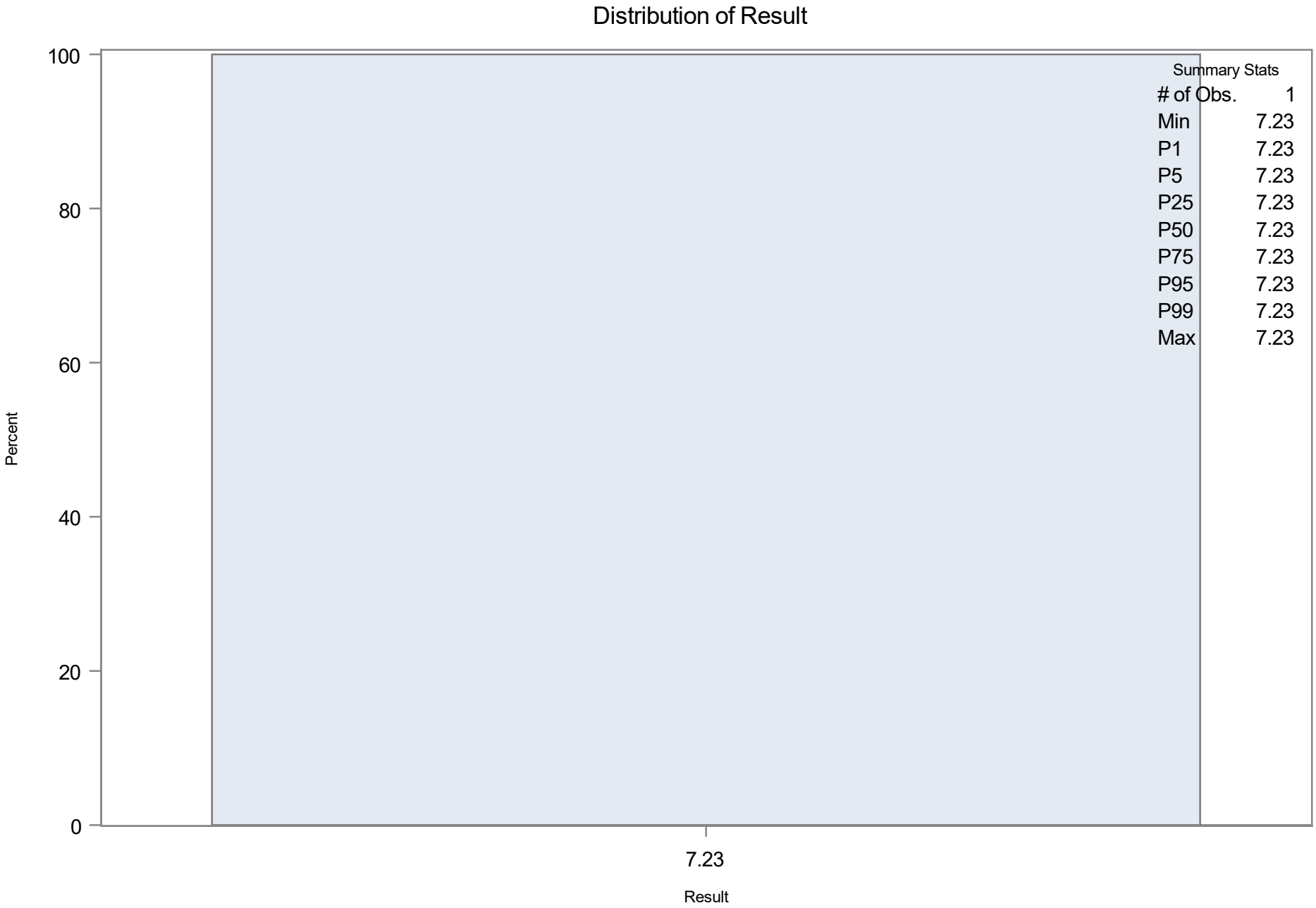
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper C
Result
7.23
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper C



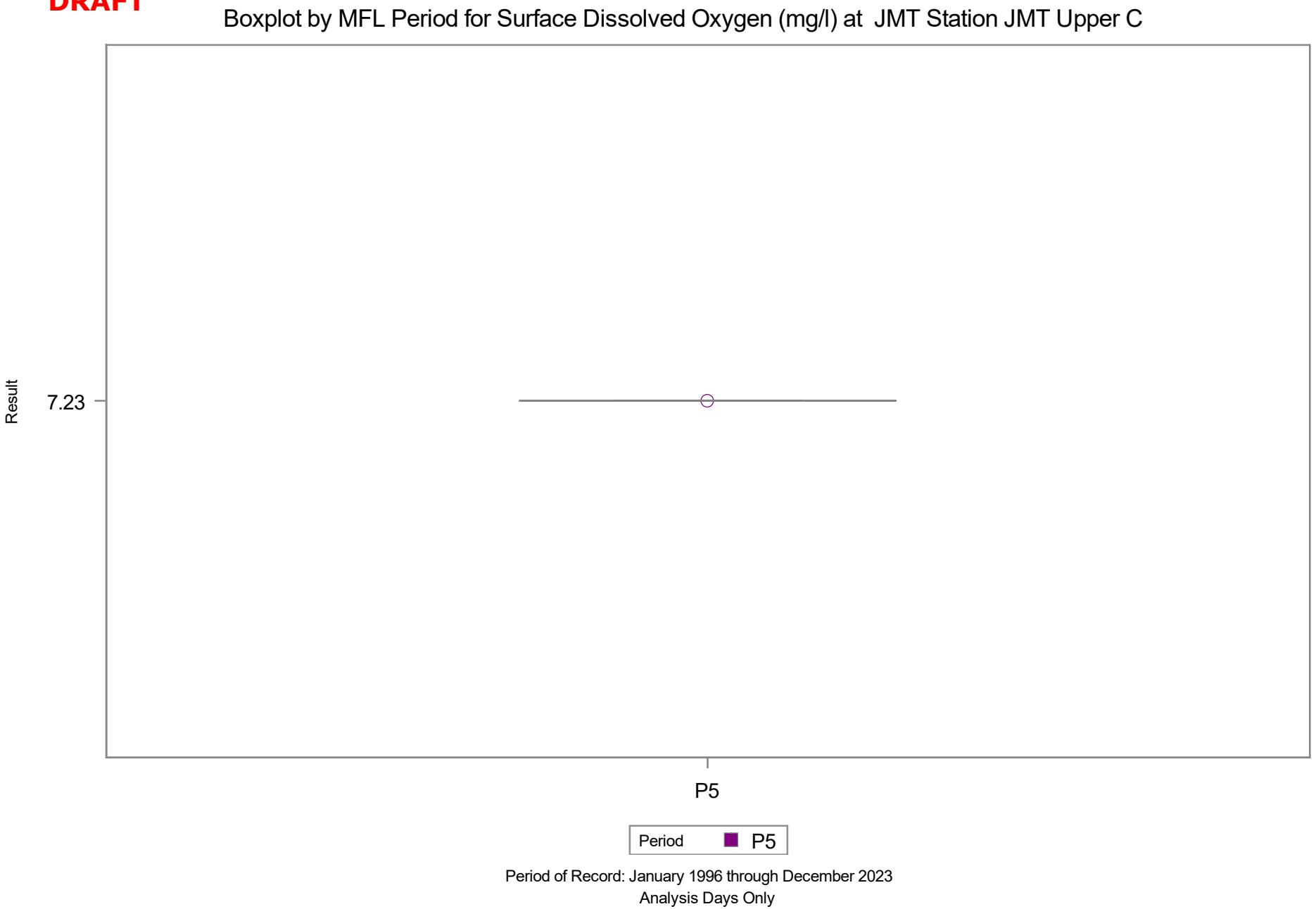
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper C**

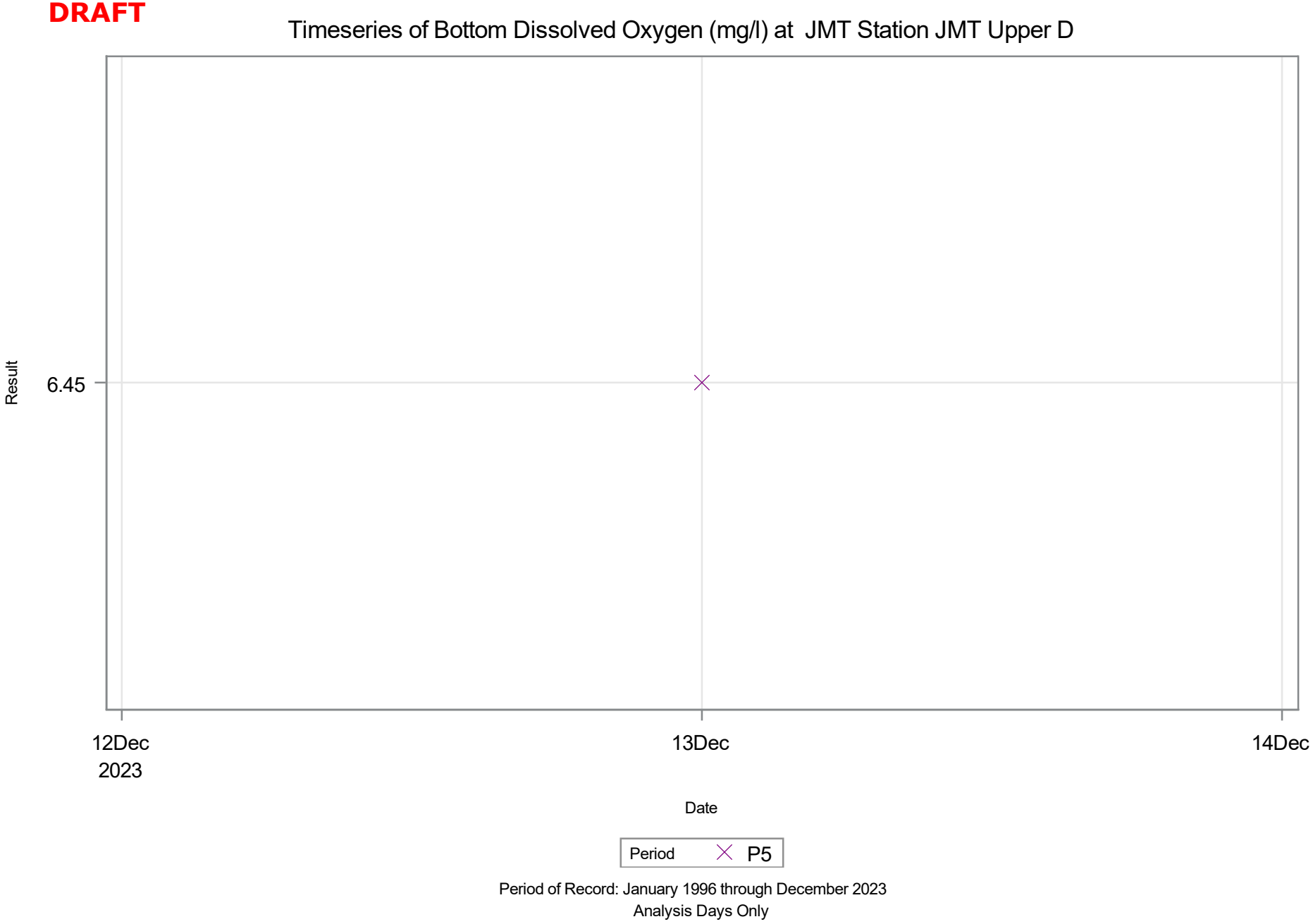
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	7.23	7.23	7.23	7.23	7.23	7.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

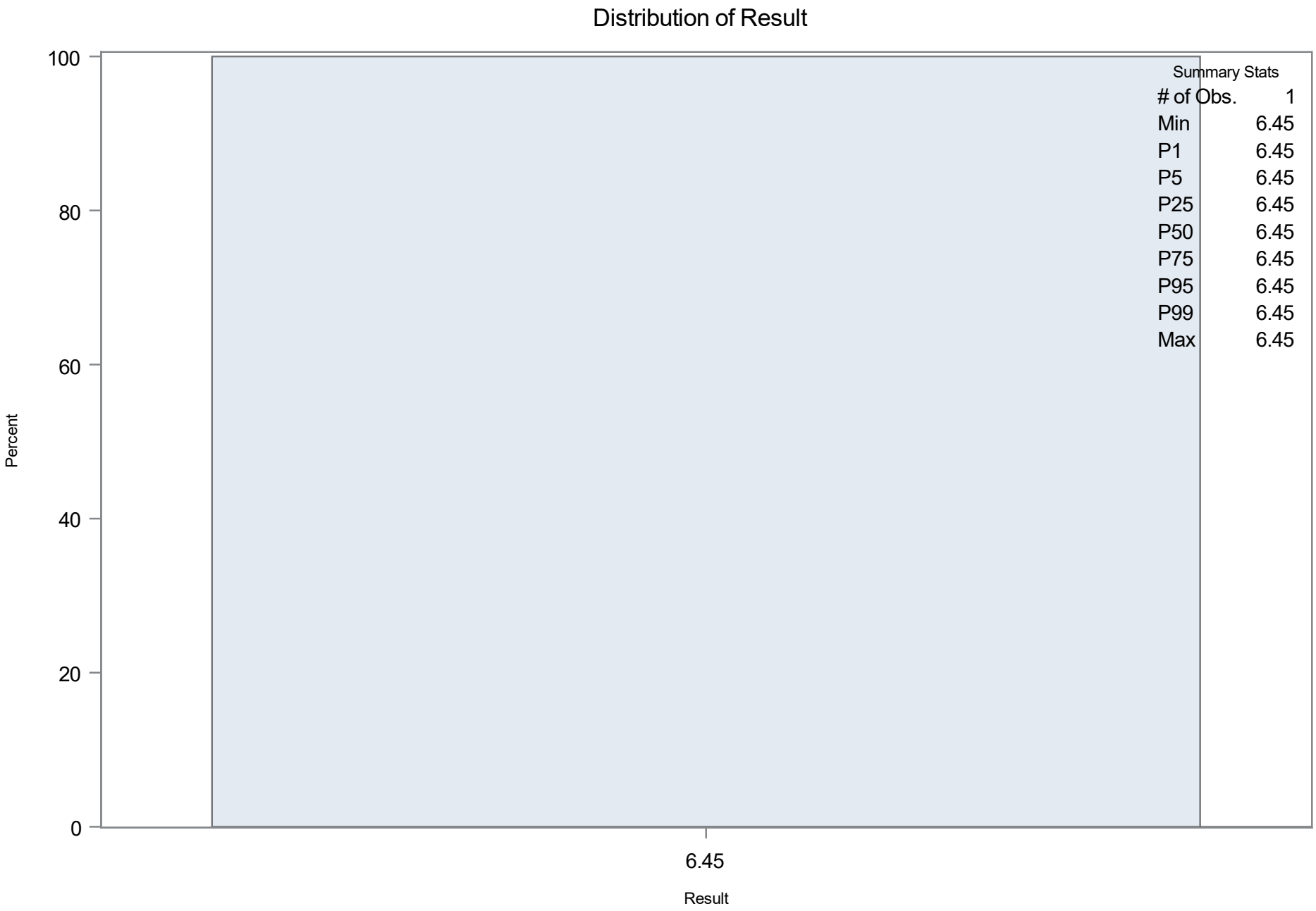

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper C
Result
7.23
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper D
Result
6.45
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper D



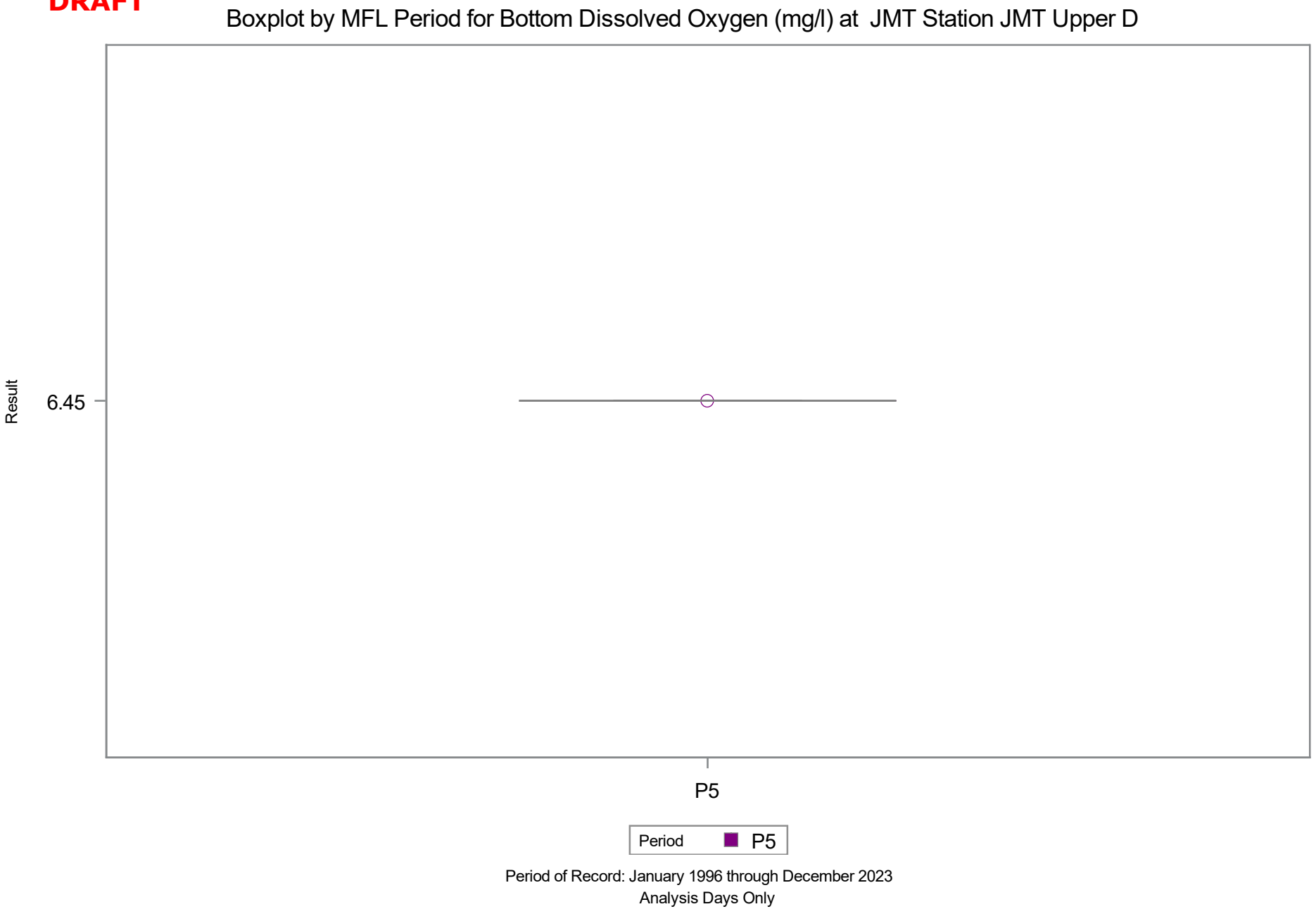
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper D**

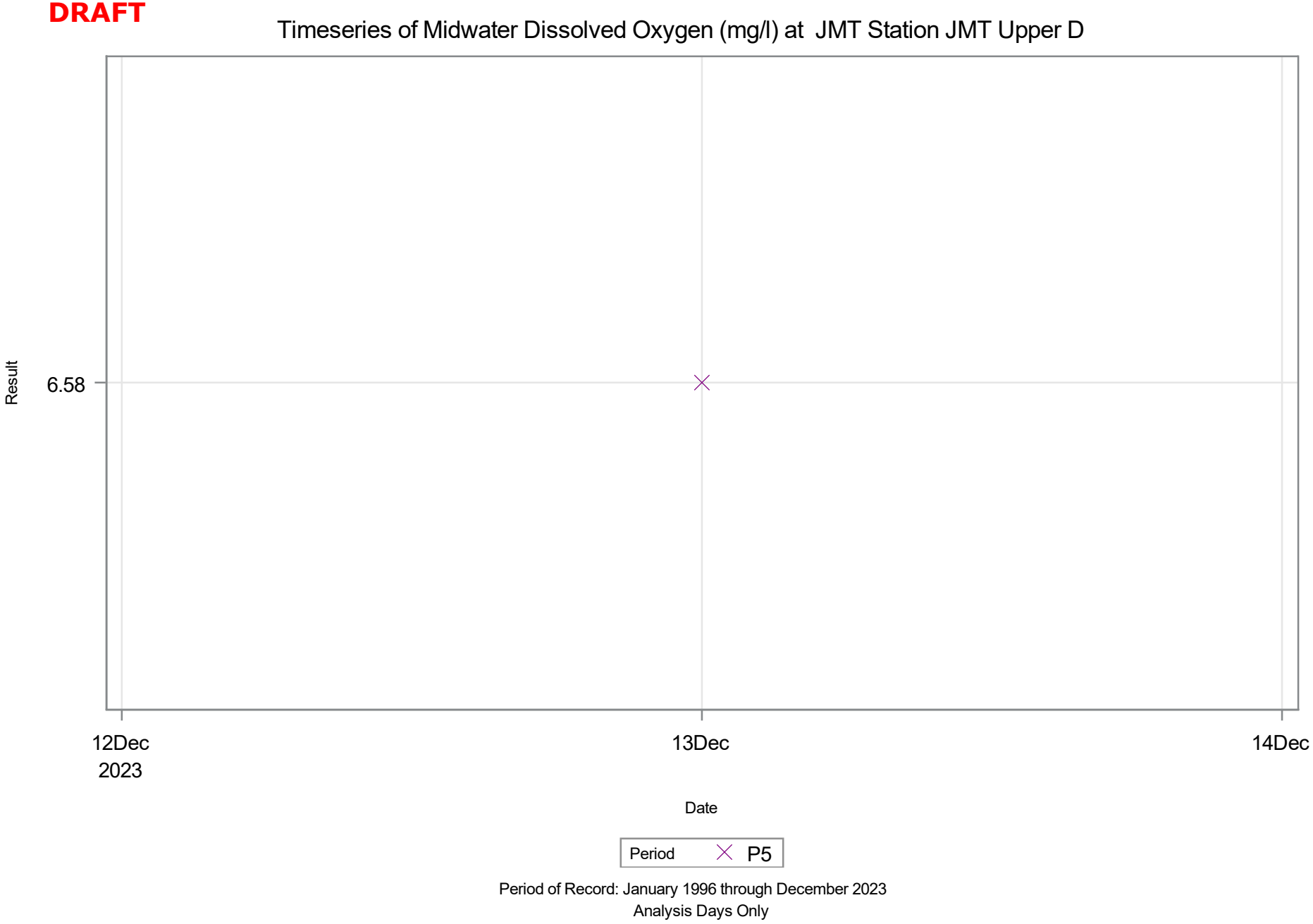
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	6.45	6.45	6.45	6.45	6.45	6.45

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

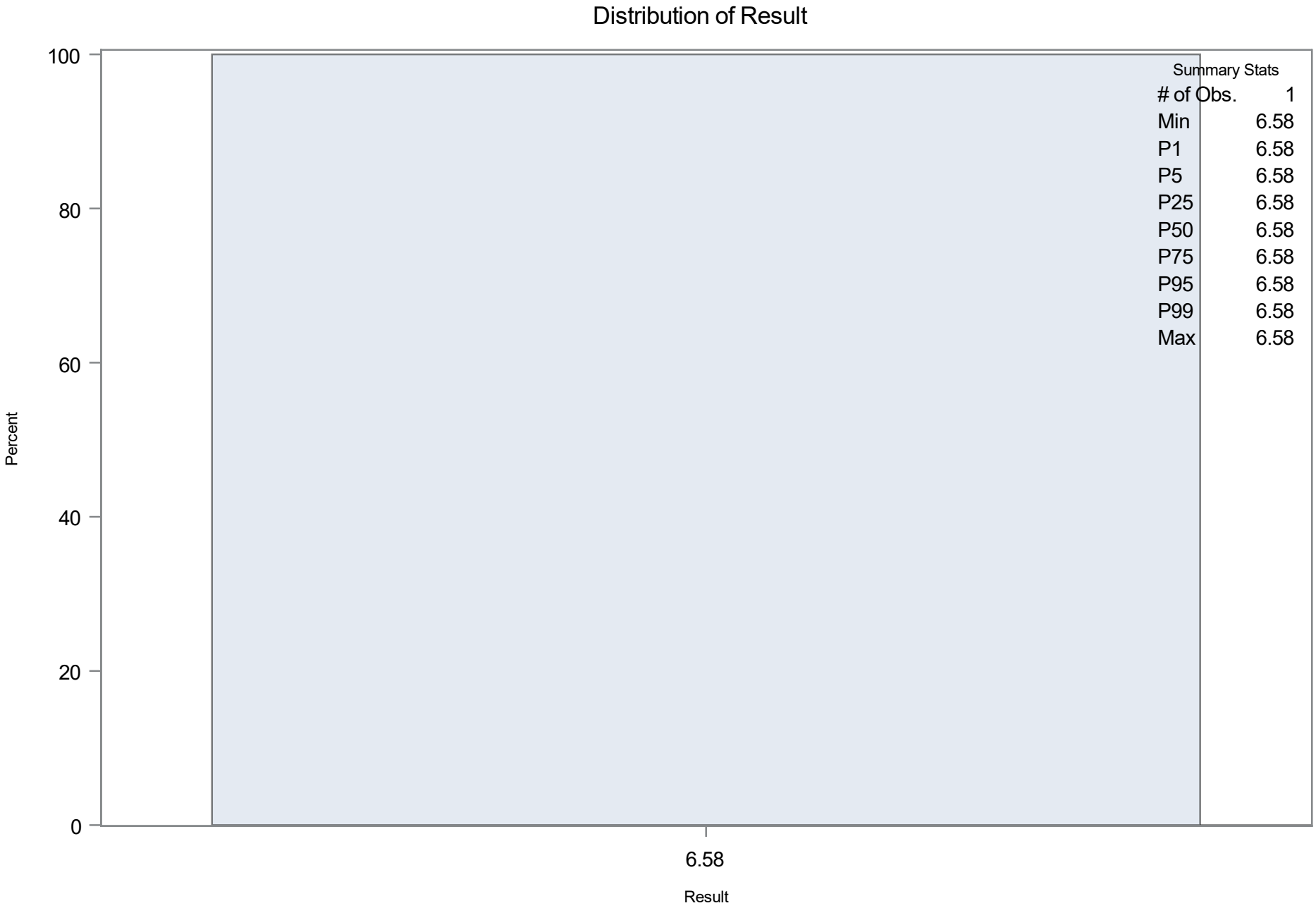

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at JMT Station JMT Upper D
Result
6.45
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper D
Result
6.58
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper D



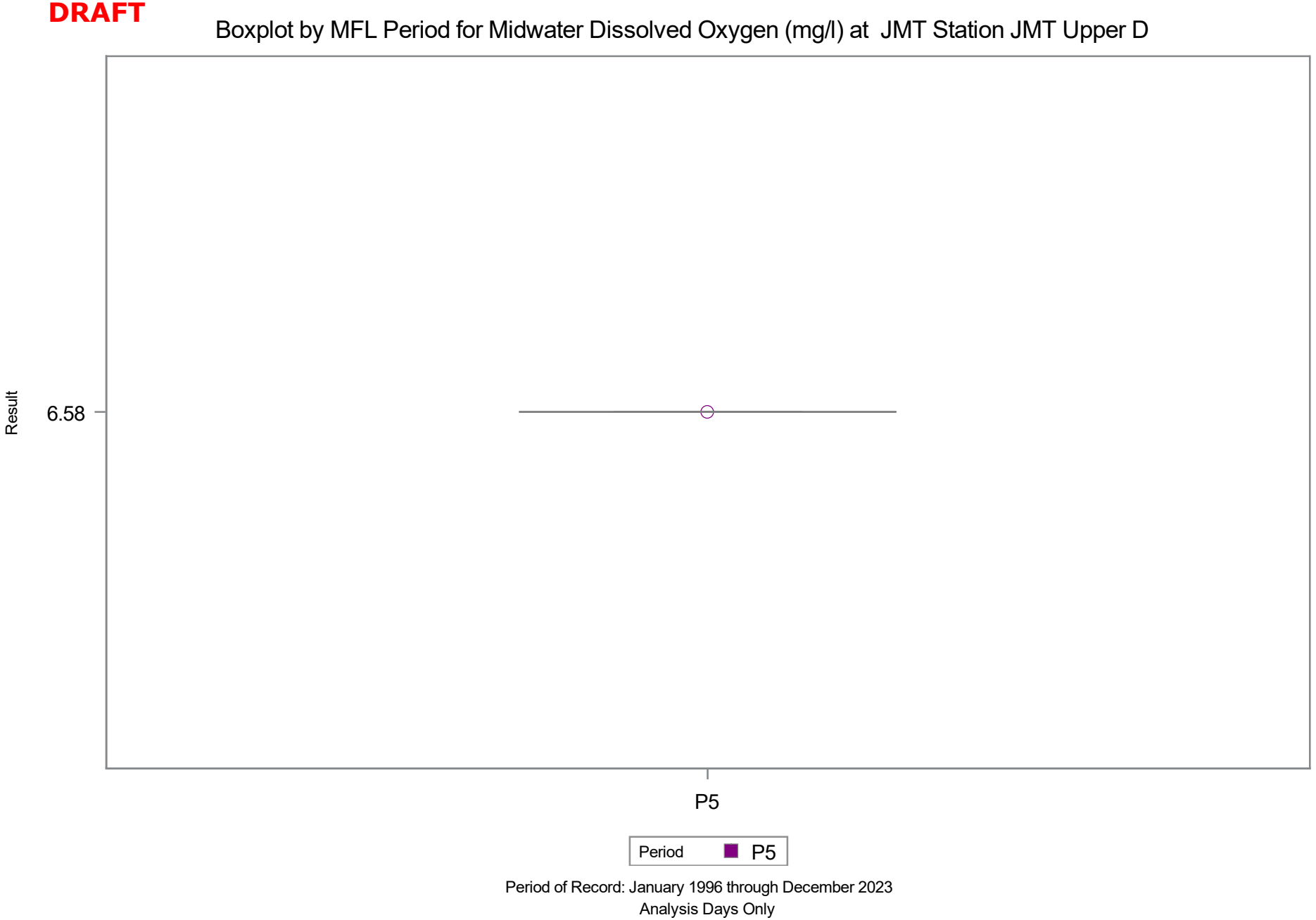
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper D**

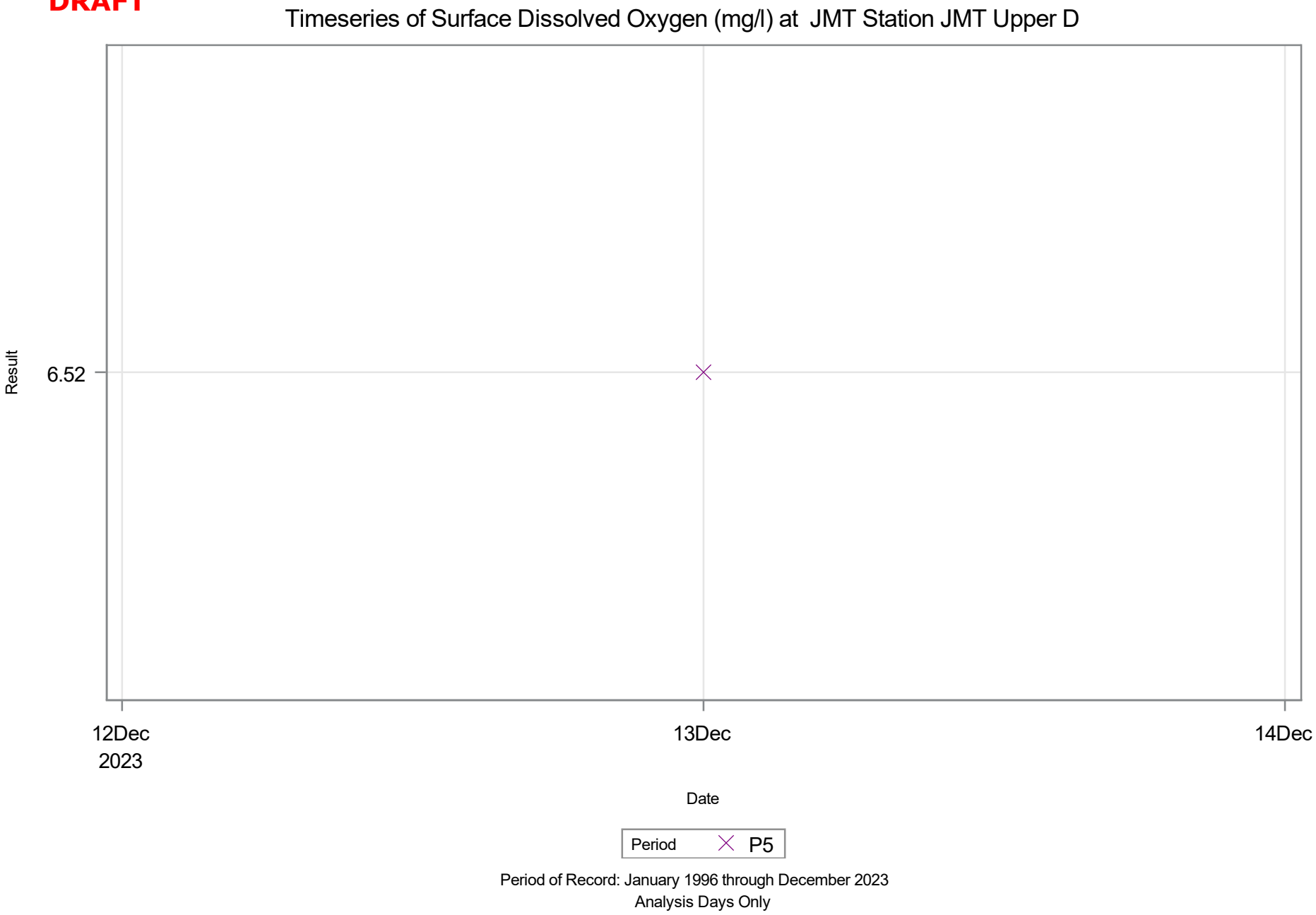
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	6.58	6.58	6.58	6.58	6.58	6.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

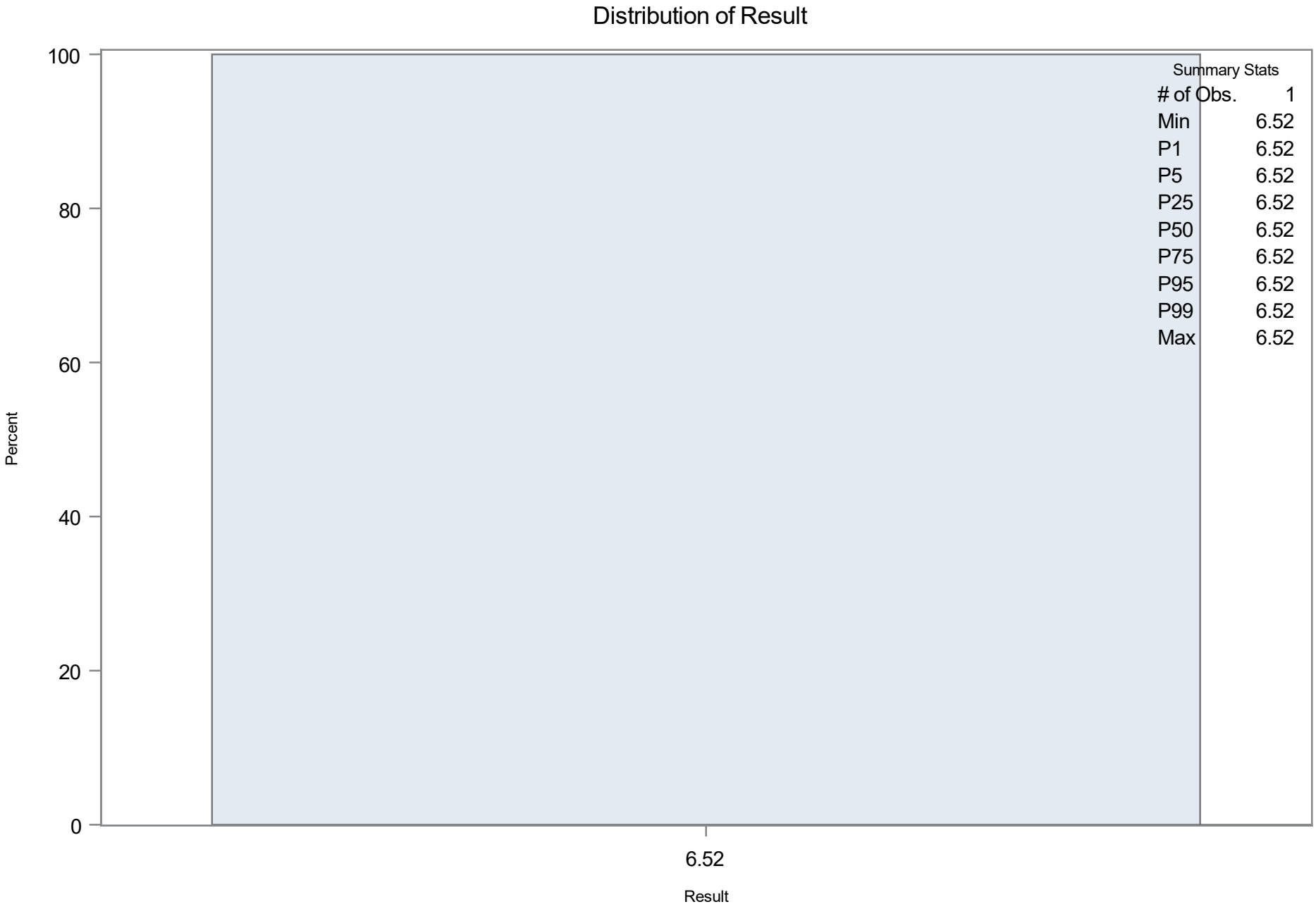

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at JMT Station JMT Upper D
Result
6.58
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper D
Result
6.52
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper D



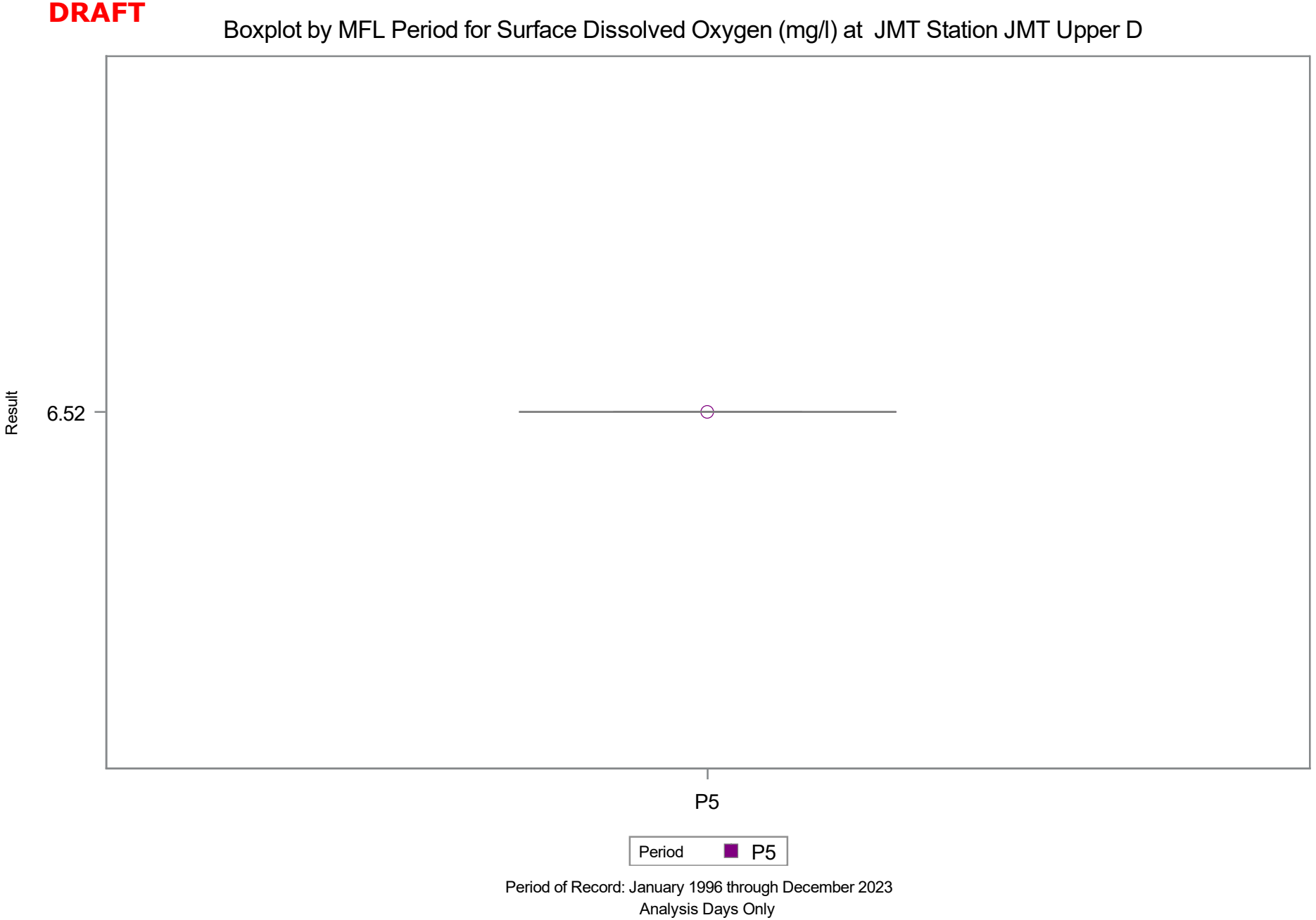
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper D**

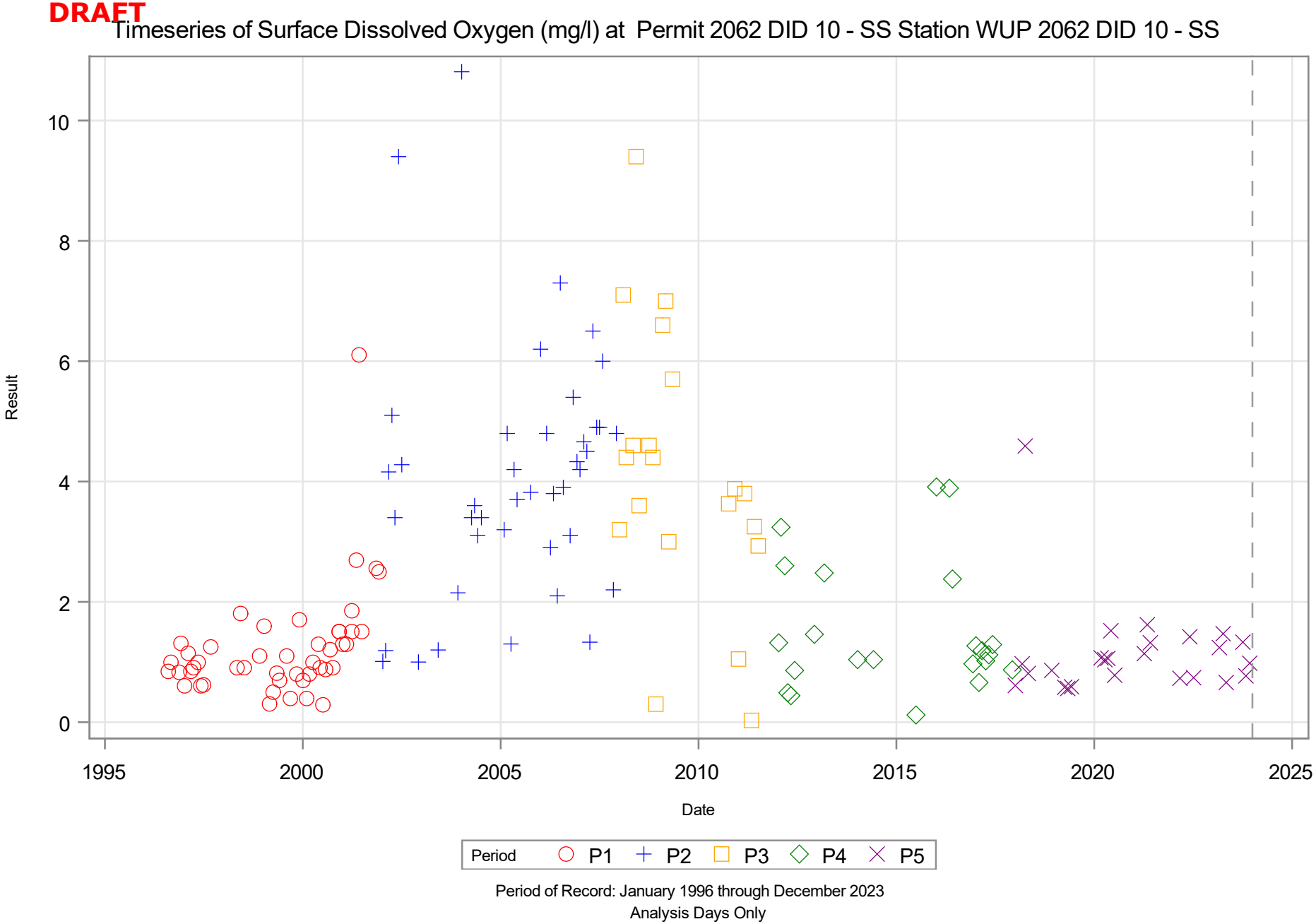
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	6.52	6.52	6.52	6.52	6.52	6.52

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

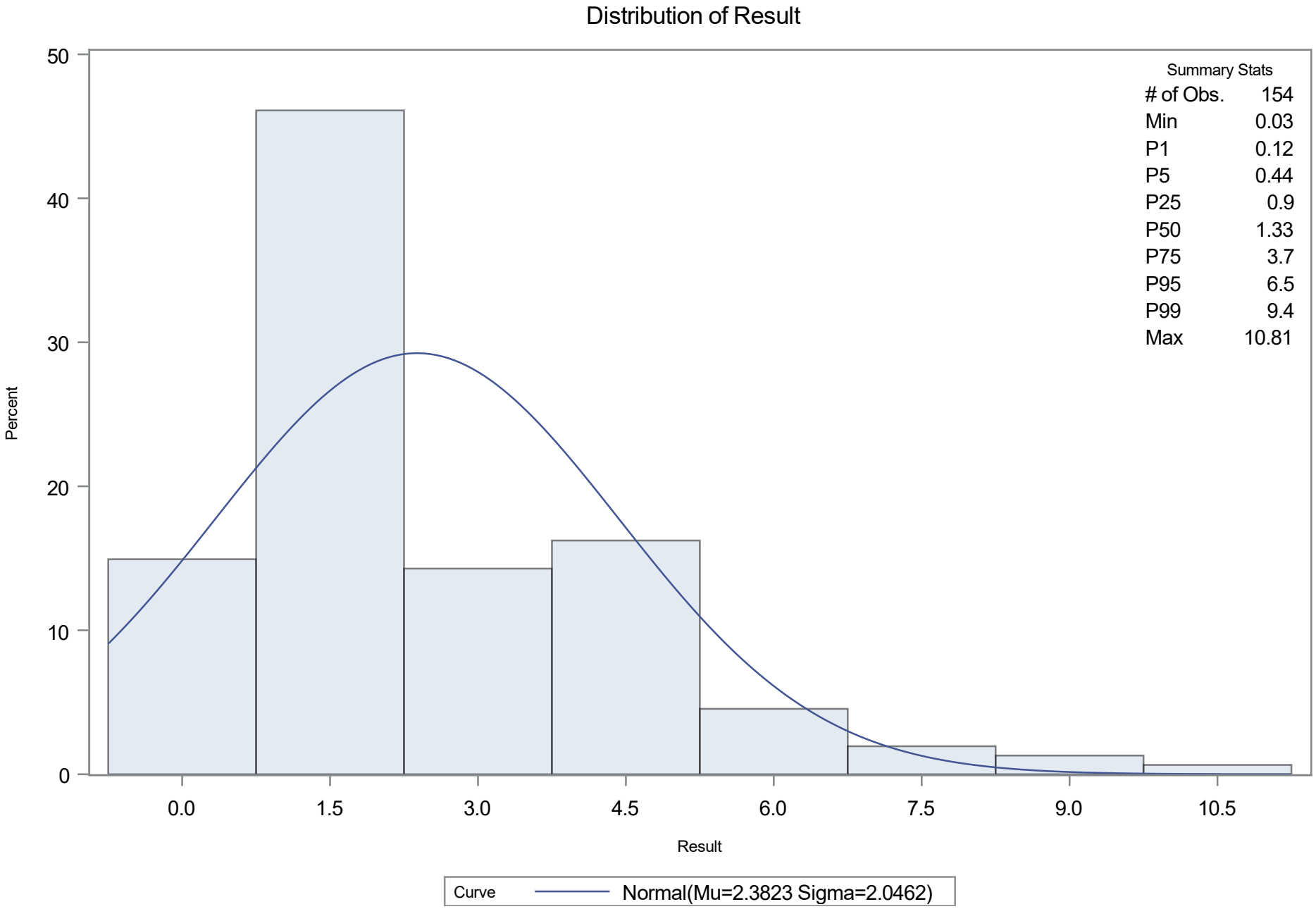

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at JMT Station JMT Upper D
Result
6.52
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
10
8
6
4
2
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.382273
Std Dev	Sigma	2.046216

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22170955	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.53272348	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.43177447	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.12000	-2.37794
5.0	0.44000	-0.98345
10.0	0.61000	-0.24006
25.0	0.90000	1.00212
50.0	1.33000	2.38227
75.0	3.70000	3.76242
90.0	4.90000	5.00460
95.0	6.50000	5.74800
99.0	9.40000	7.14248

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

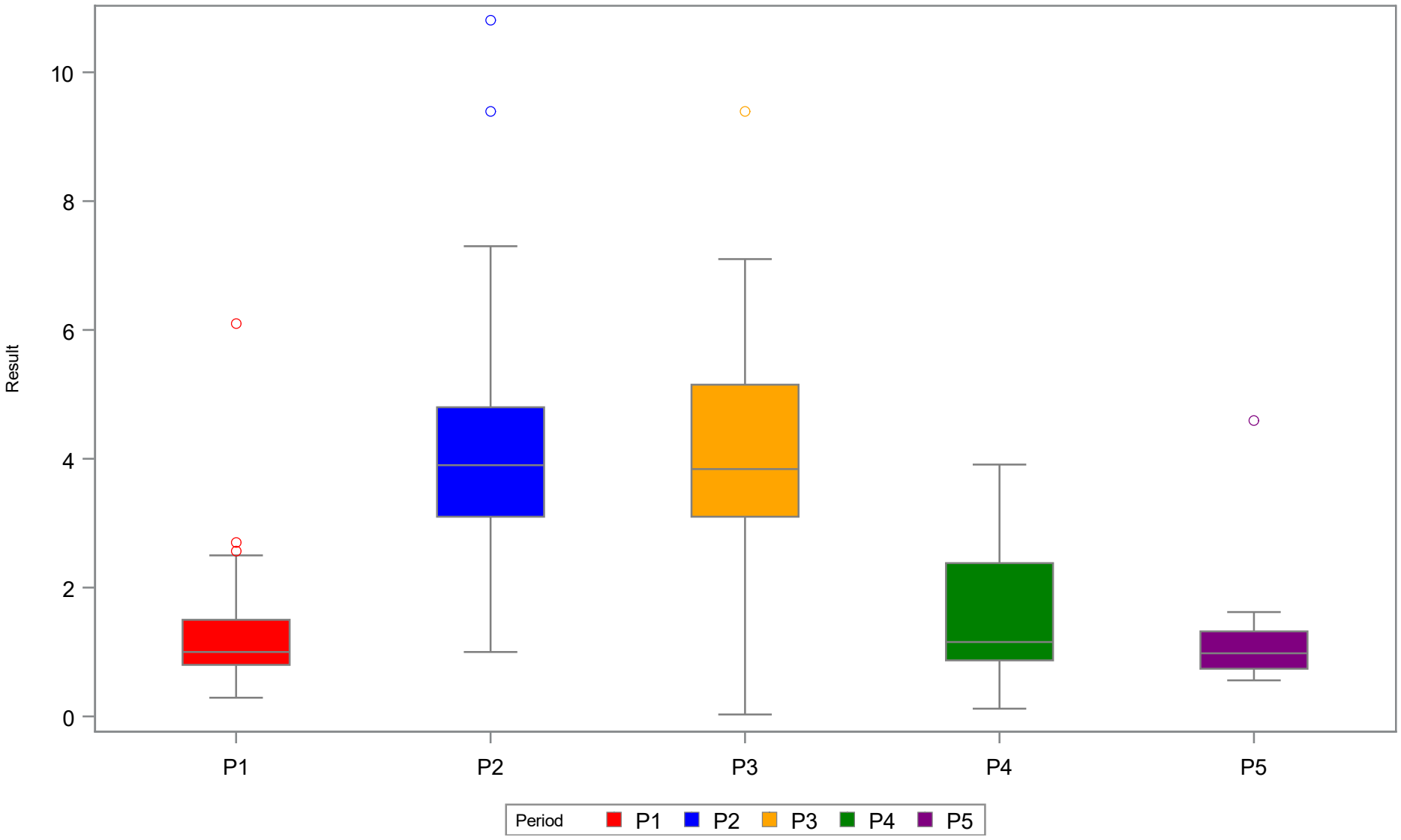
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.29	0.80	1.22	1.00	1.50	6.10
P2	41	1.00	3.10	4.05	3.90	4.80	10.81
P3	20	0.03	3.10	4.12	3.84	5.15	9.40
P4	22	0.12	0.87	1.53	1.16	2.38	3.91
P5	25	0.56	0.74	1.14	0.98	1.32	4.59

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

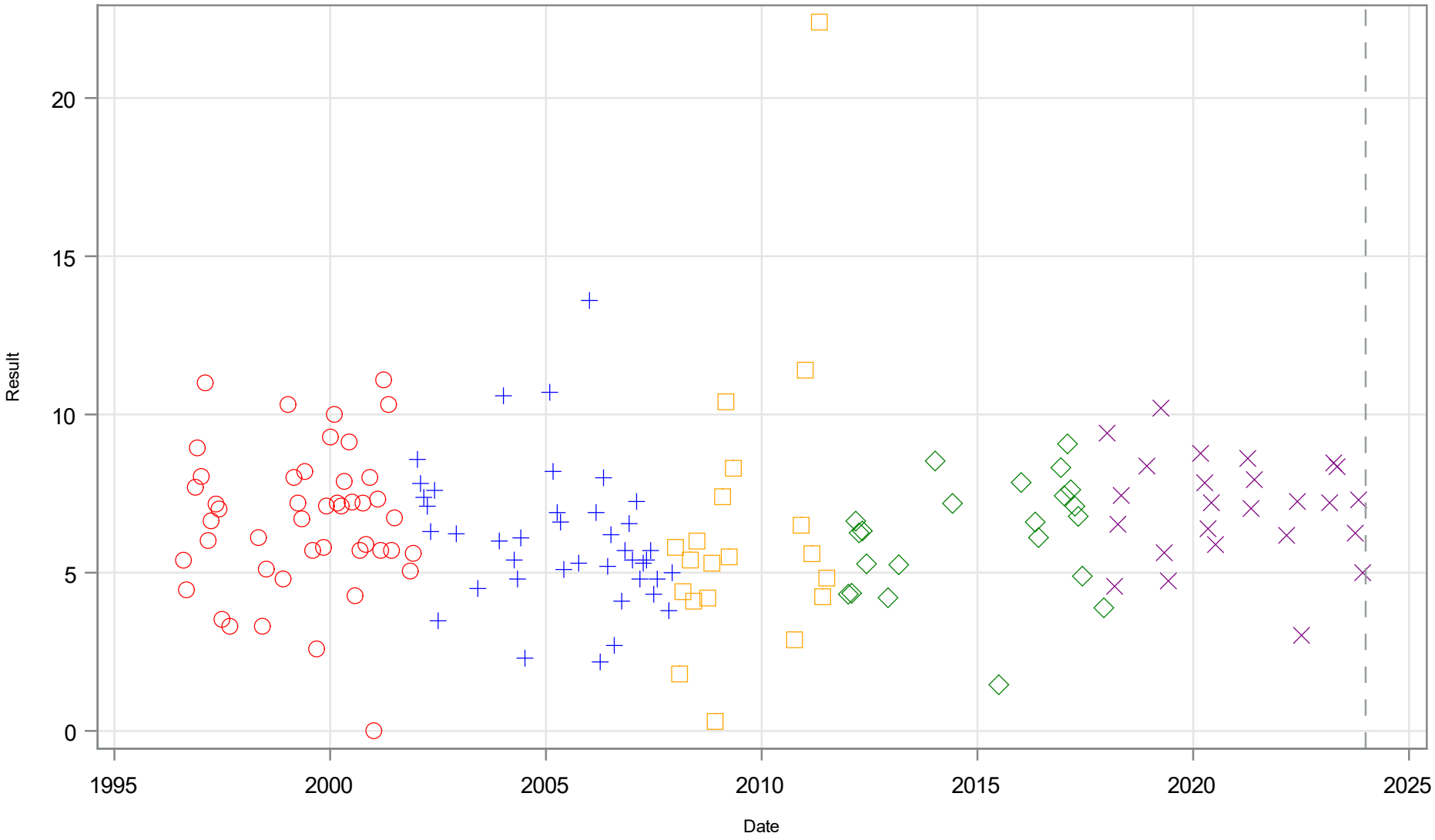
Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

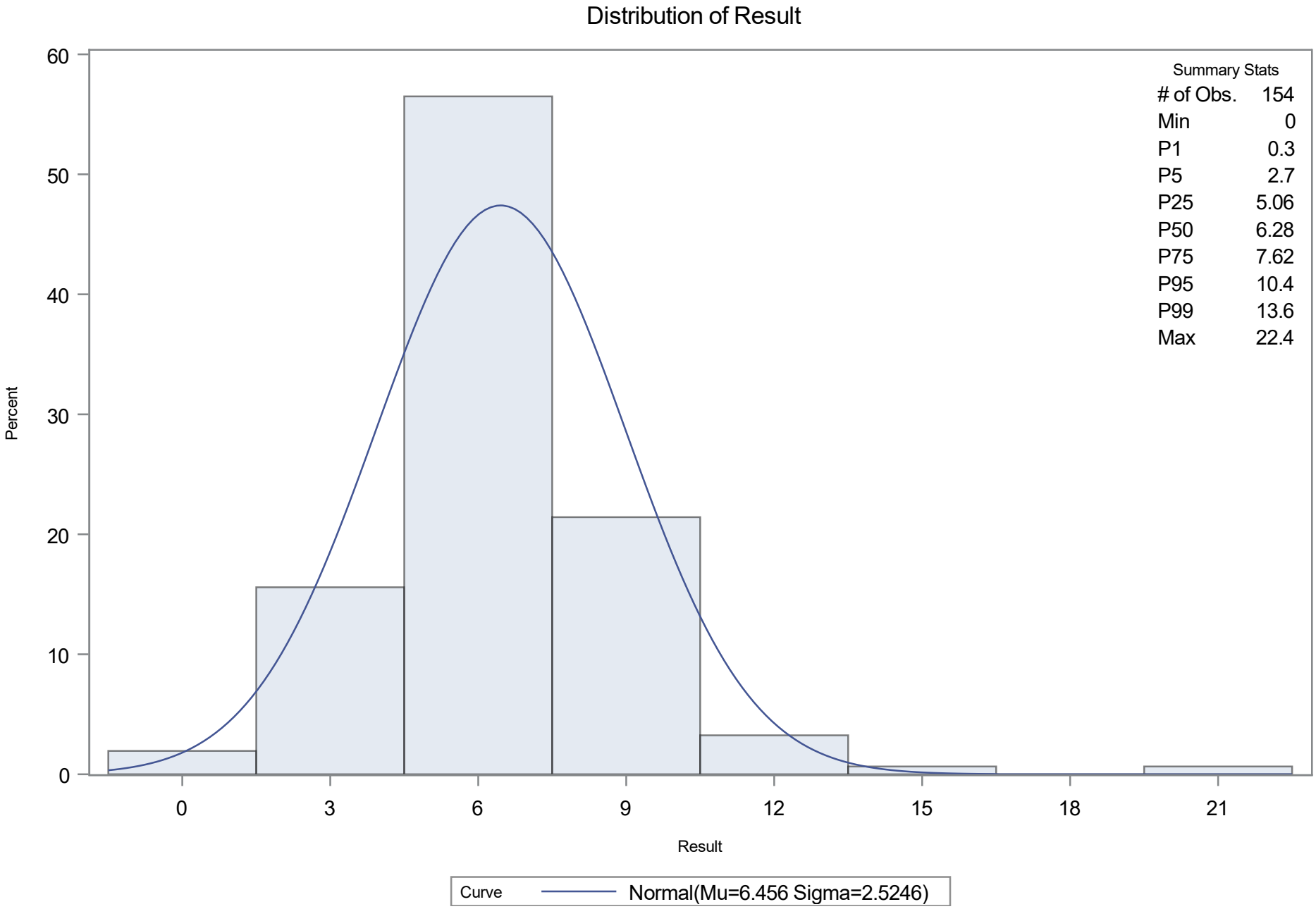
Timeseries of Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.456039
Std Dev	Sigma	2.524561

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08861846	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29151326	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.85184575	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	0.58303
5.0	2.70000	2.30351
10.0	3.89000	3.22068
25.0	5.06000	4.75325
50.0	6.28000	6.45604
75.0	7.62000	8.15883
90.0	9.07000	9.69139
95.0	10.40000	10.60857
99.0	13.60000	12.32904

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.00	5.60	6.66	6.86	8.00	11.10
P2	41	2.18	4.80	6.09	5.70	7.10	13.60
P3	20	0.30	4.22	6.34	5.45	6.95	22.40
P4	22	1.46	4.89	6.16	6.46	7.43	9.07
P5	25	3.02	6.18	7.02	7.21	8.35	10.20

Period of Record: January 1996 through December 2023
Analysis Days Only

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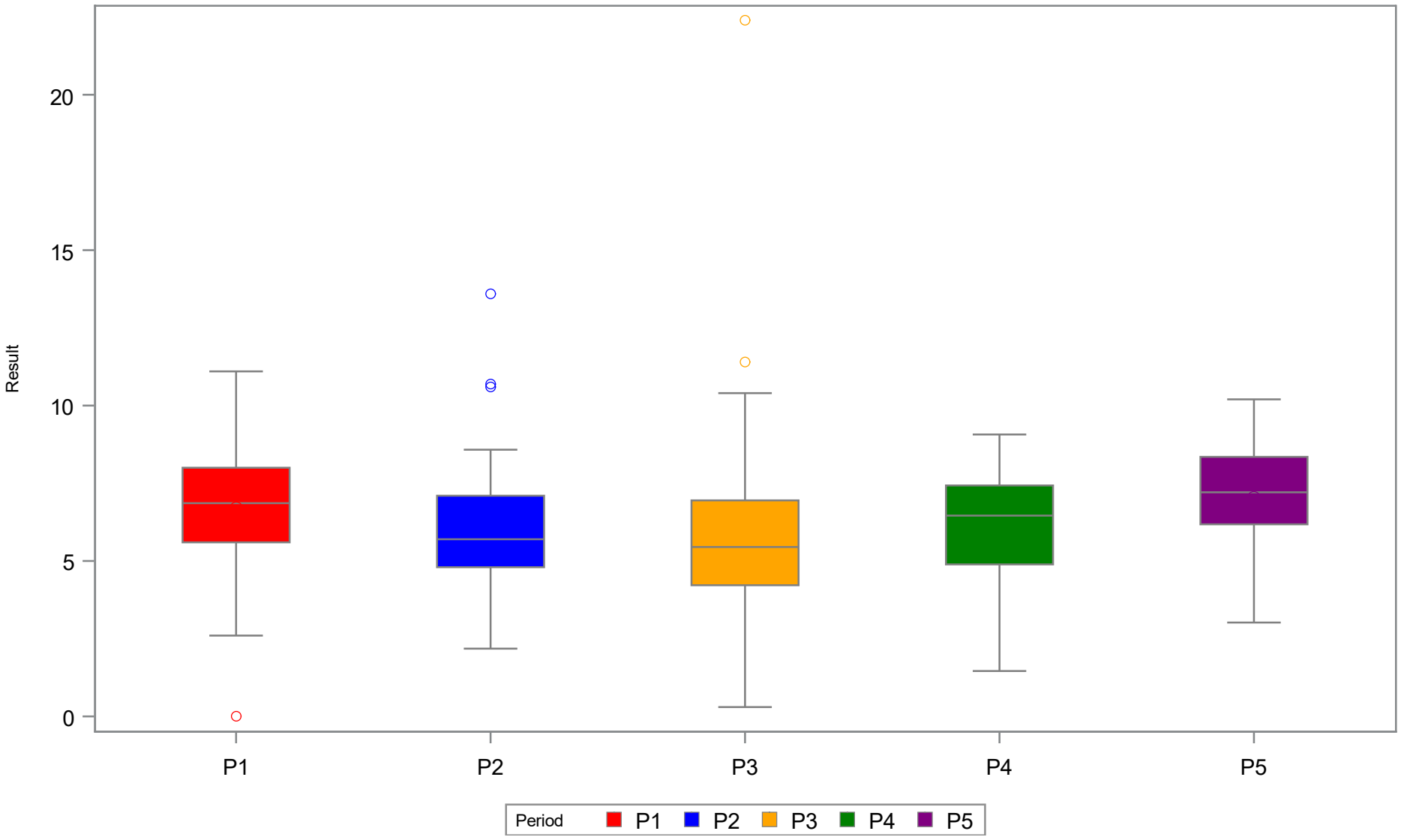
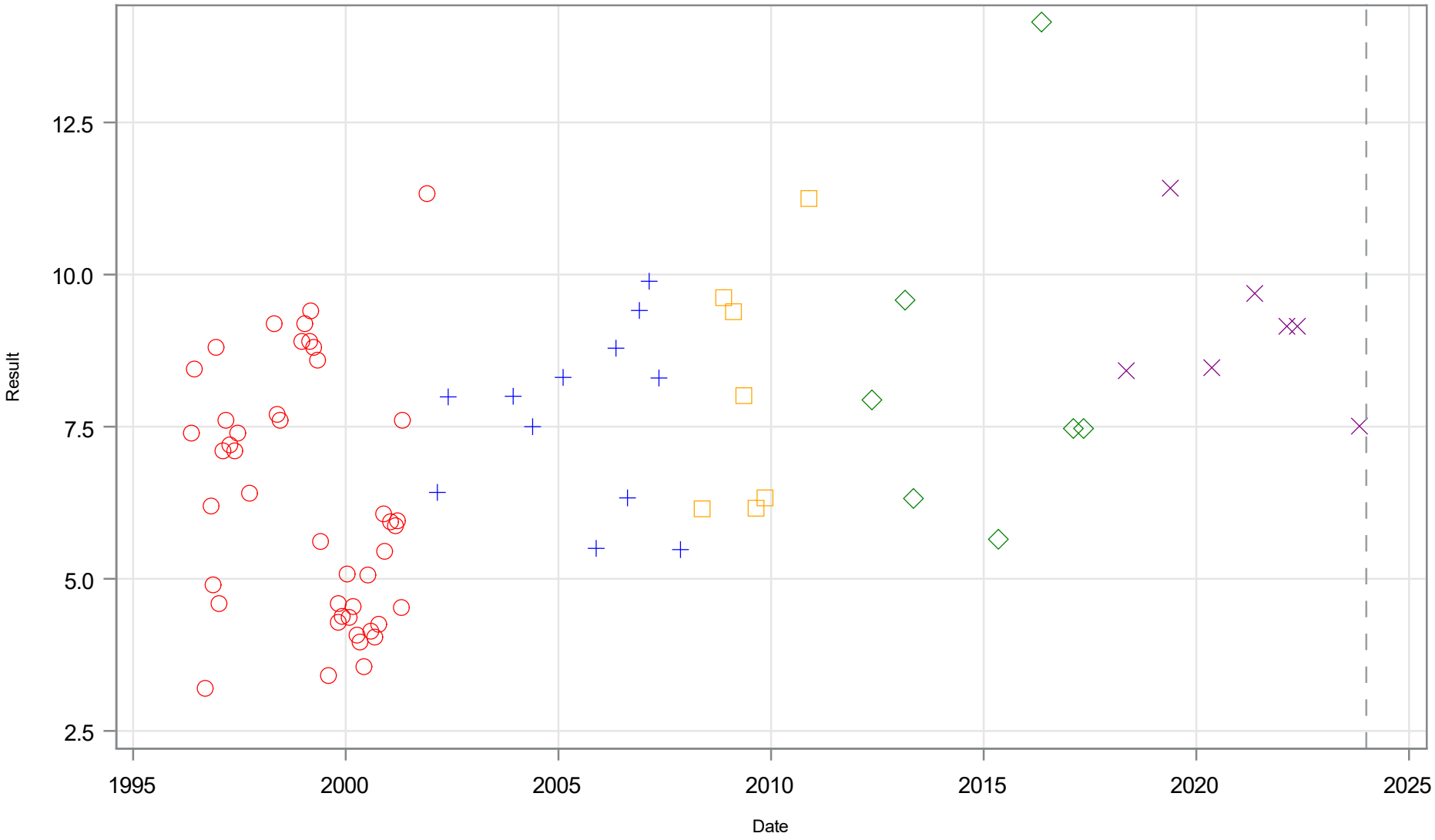
Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

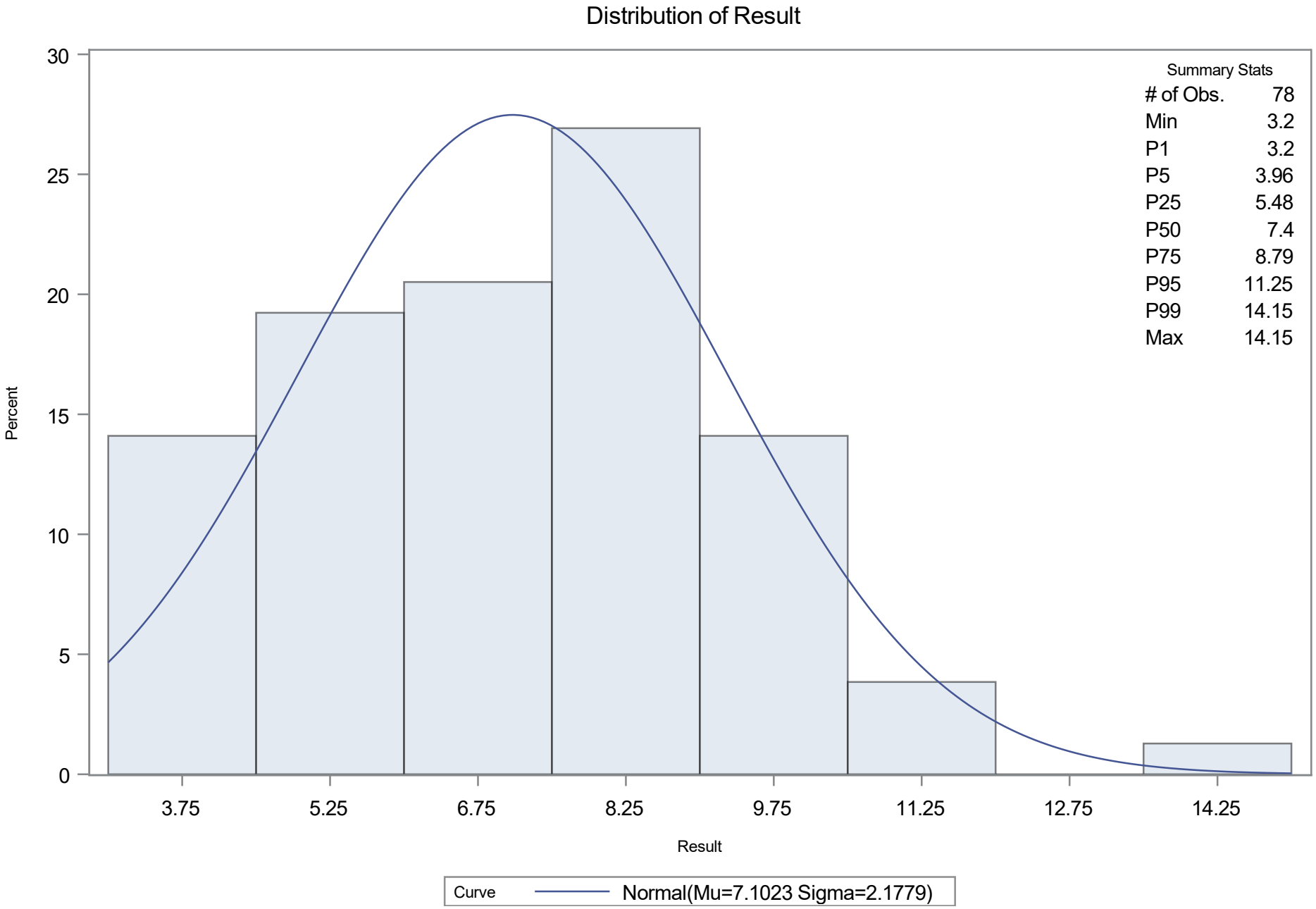
Timeseries of Surface Dissolved Oxygen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.102308
Std Dev	Sigma	2.177922

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07168544	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07305298	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.54277339	**Pr > A-Sq**	0.164

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.20000	2.03570
5.0	3.96000	3.51995
10.0	4.25000	4.31119
25.0	5.48000	5.63332
50.0	7.40000	7.10231
75.0	8.79000	8.57129
90.0	9.58000	9.89343
95.0	11.25000	10.68467
99.0	14.15000	12.16891

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

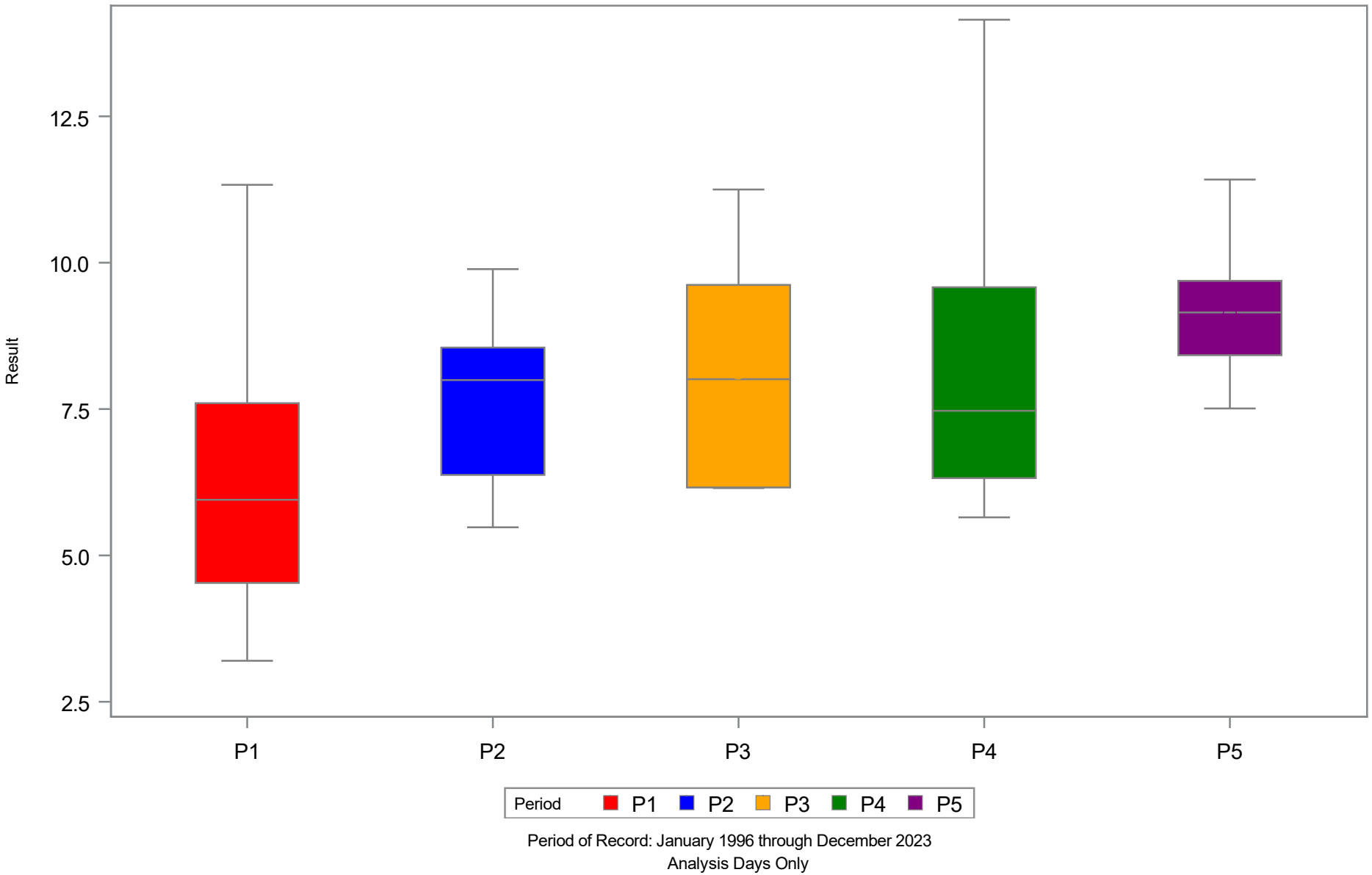
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	3.20	4.53	6.28	5.95	7.60	11.33
P2	12	5.48	6.38	7.66	8.00	8.55	9.89
P3	7	6.15	6.16	8.13	8.01	9.62	11.25
P4	7	5.65	6.32	8.37	7.47	9.58	14.15
P5	7	7.51	8.42	9.12	9.15	9.69	11.42

Period of Record: January 1996 through December 2023
Analysis Days Only

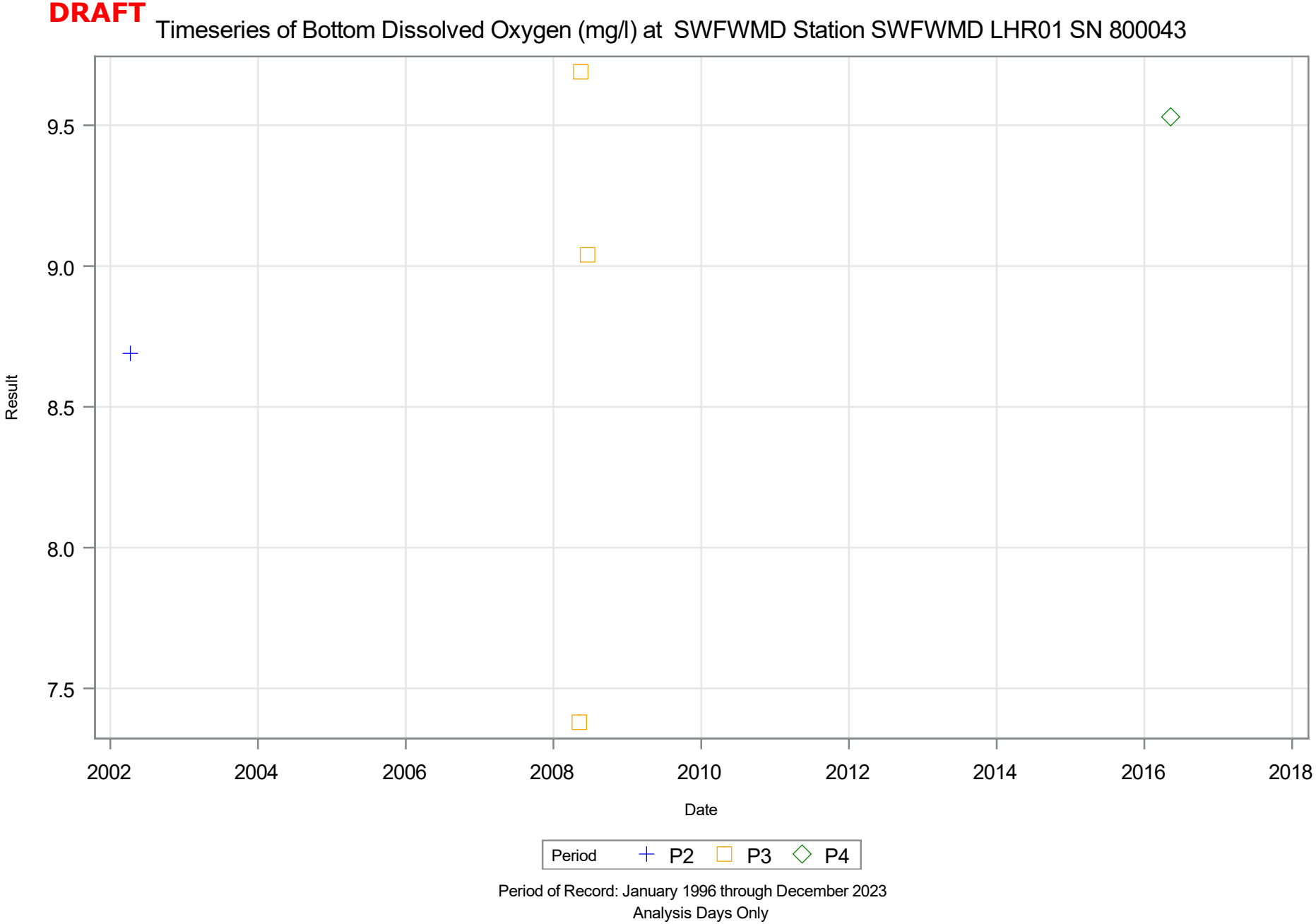
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



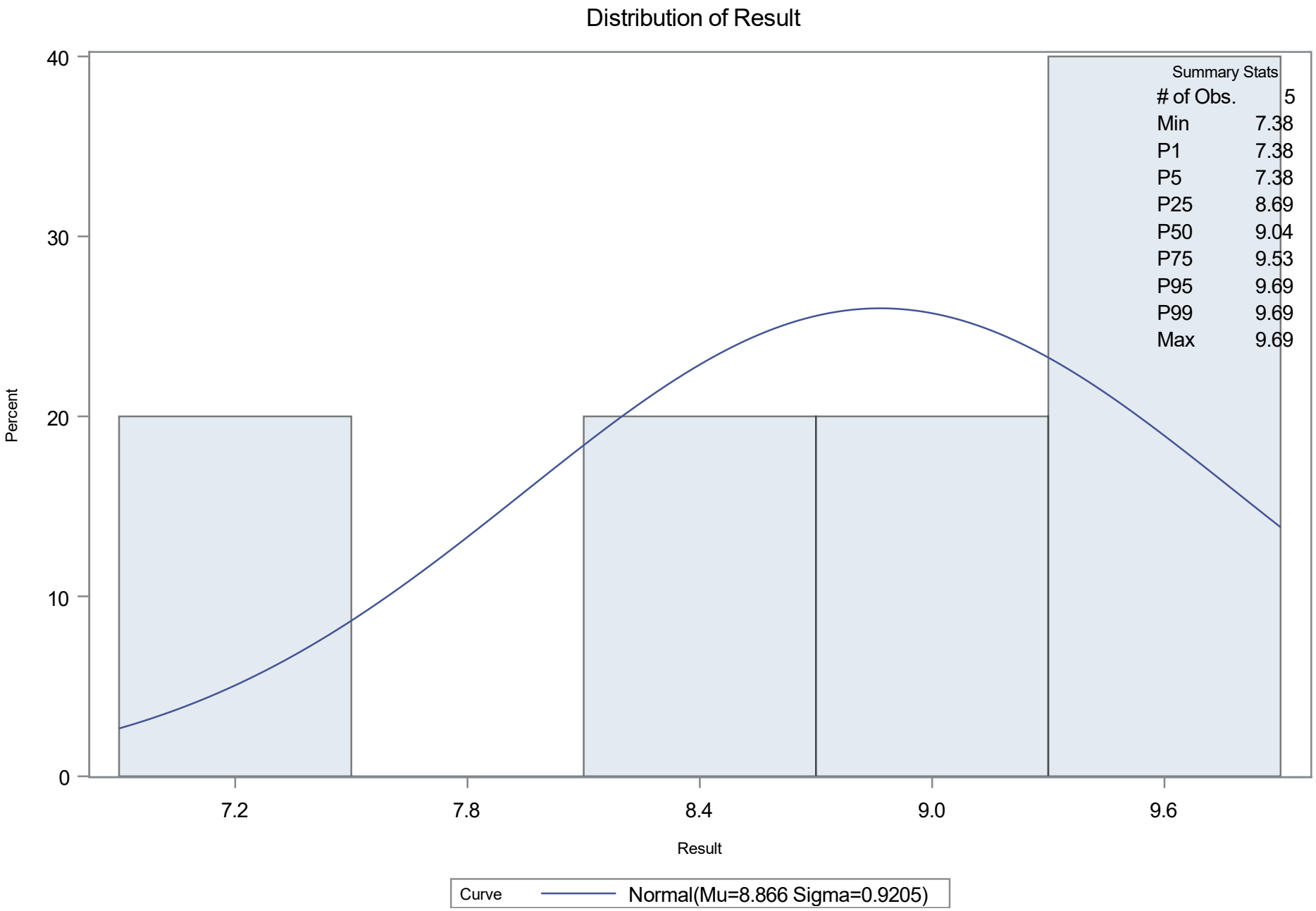
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
9.5
9.0
8.5
8.0
7.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.866
Std Dev	Sigma	0.920505

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22418471	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05136020	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33120369	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.38000	6.72458
5.0	7.38000	7.35190
10.0	7.38000	7.68632
25.0	8.69000	8.24513
50.0	9.04000	8.86600
75.0	9.53000	9.48687
90.0	9.69000	10.04568
95.0	9.69000	10.38010
99.0	9.69000	11.00742

Period of Record: January 1996 through December 2023
Analysis Days Only

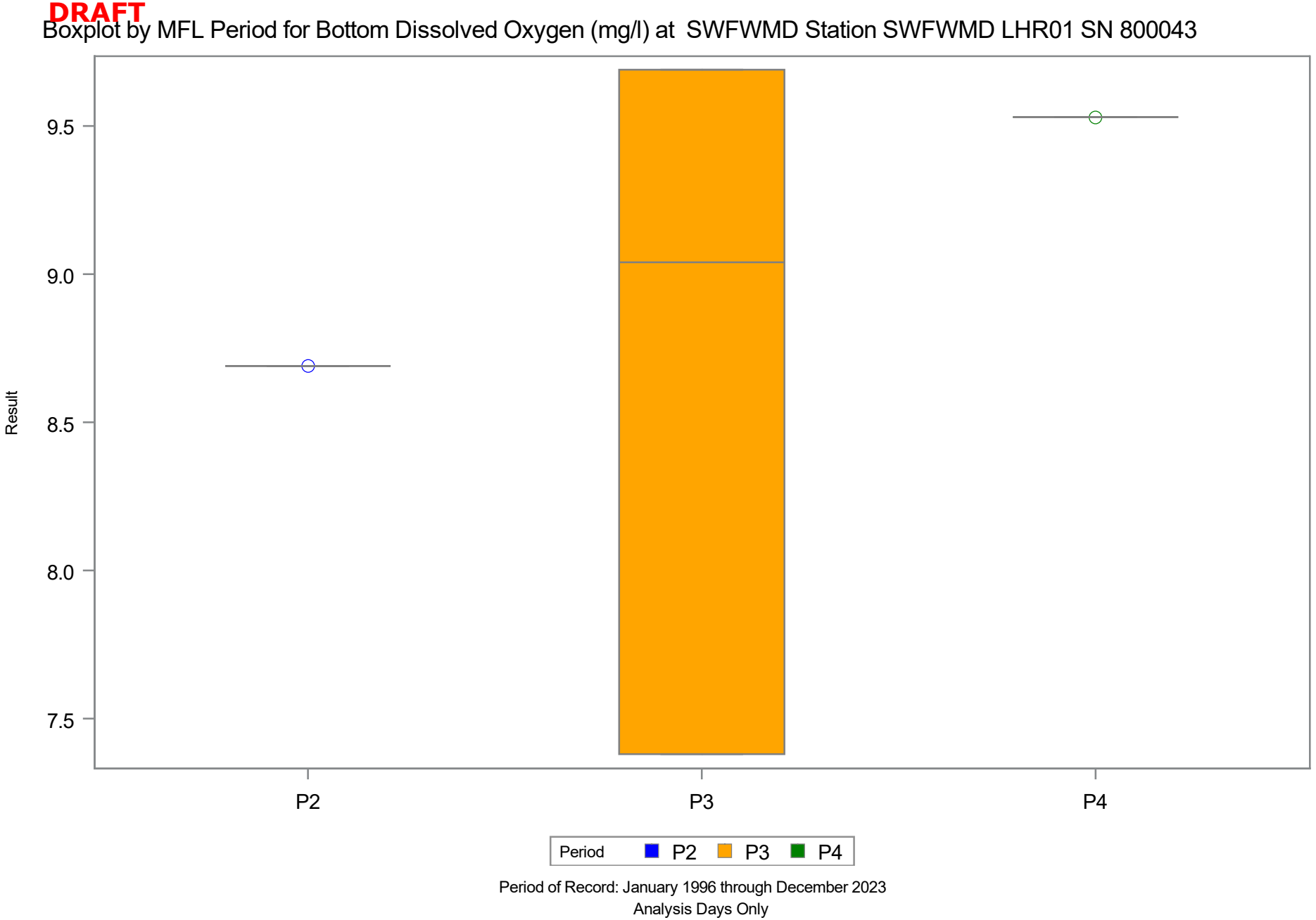
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043

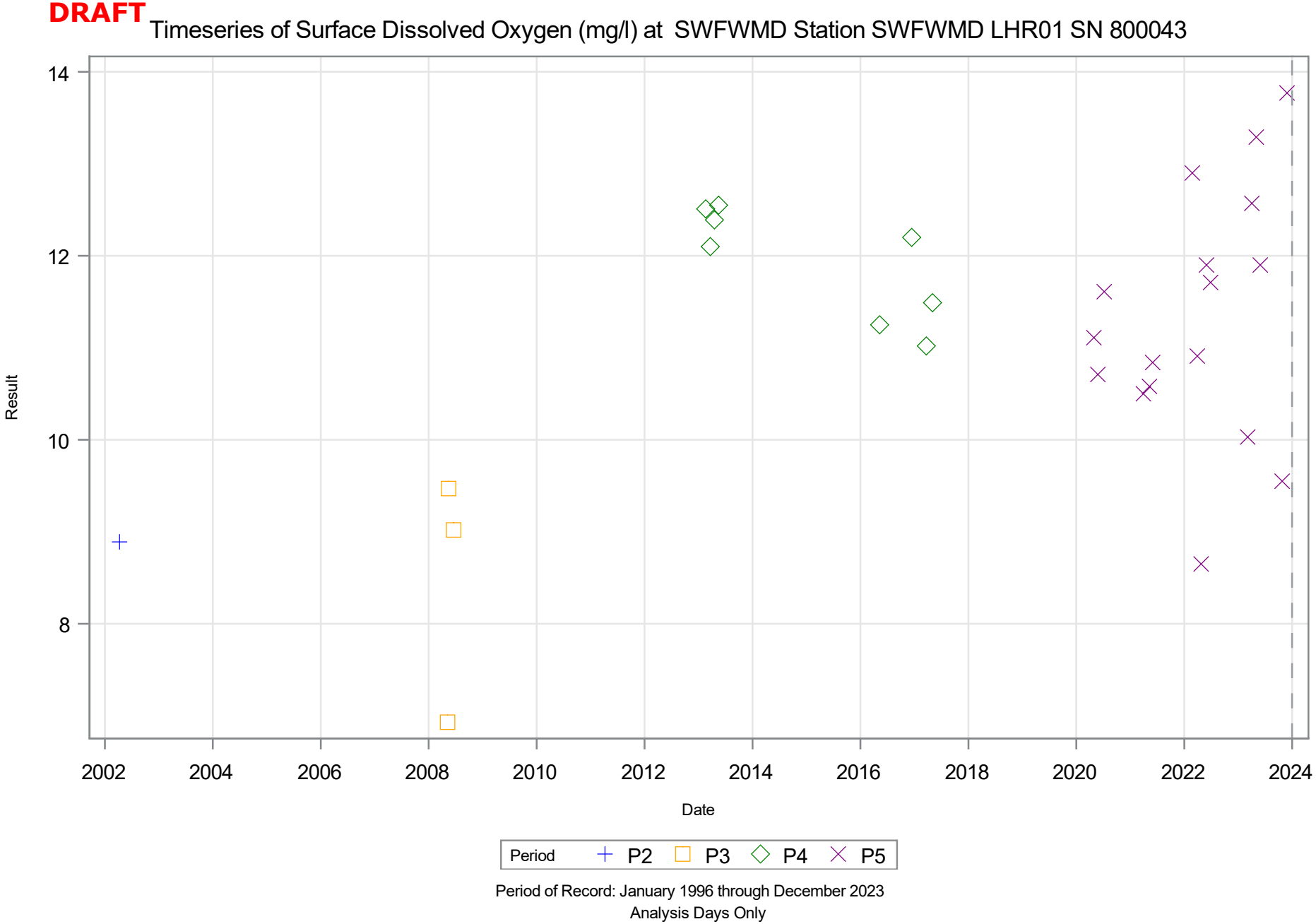
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	8.69	8.69	8.69	8.69	8.69	8.69
P3	3	7.38	7.38	8.70	9.04	9.69	9.69
P4	1	9.53	9.53	9.53	9.53	9.53	9.53

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

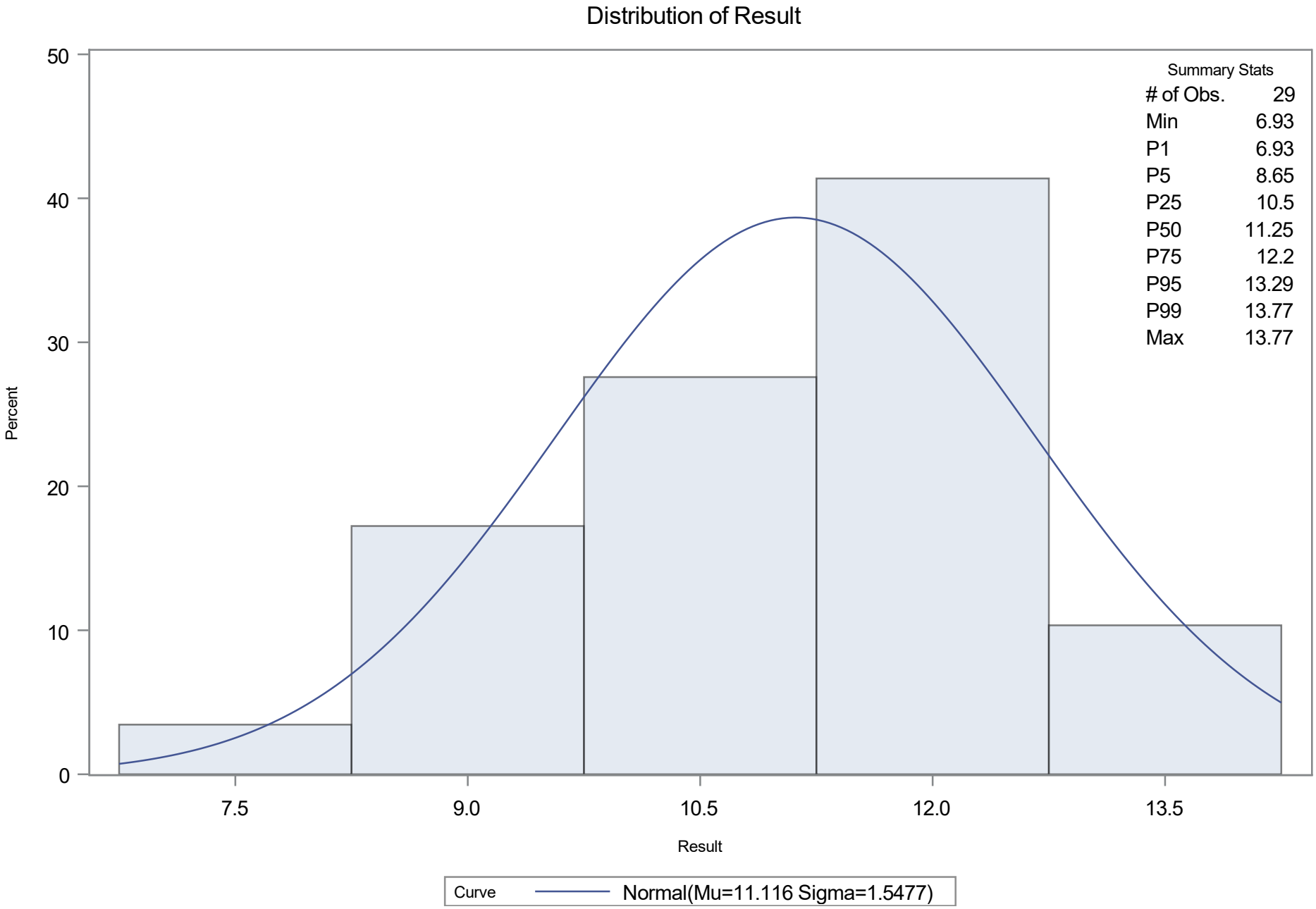

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
9.5
9.0
8.5
8.0
7.5
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
14
12
10
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.11552
Std Dev	Sigma	1.547686

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10404578	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05509715	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34618597	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.93000	7.51506
5.0	8.65000	8.56980
10.0	8.89000	9.13208
25.0	10.50000	10.07162
50.0	11.25000	11.11552
75.0	12.20000	12.15942
90.0	12.90000	13.09896
95.0	13.29000	13.66123
99.0	13.77000	14.71597

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

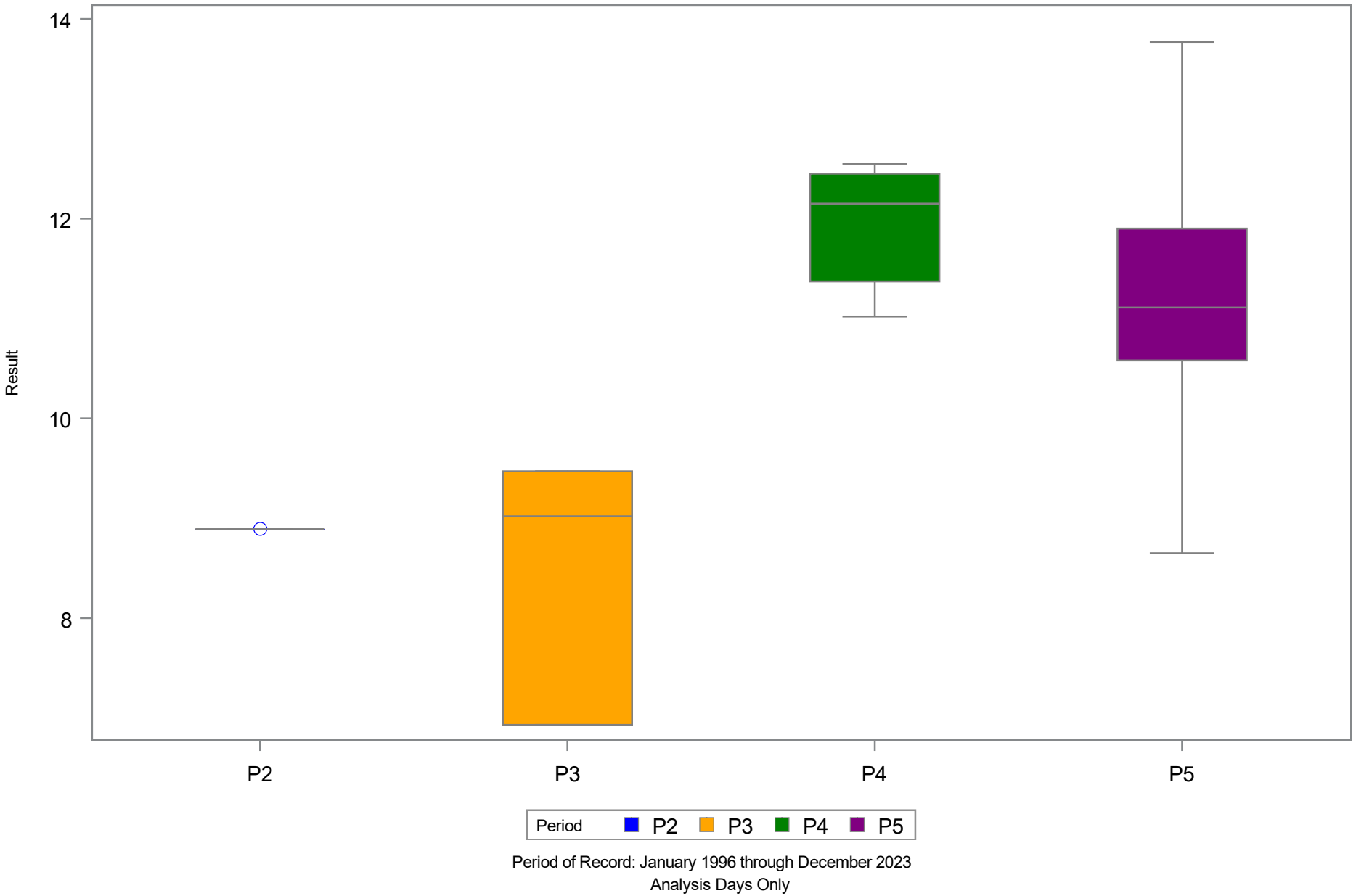
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	8.89	8.89	8.89	8.89	8.89	8.89
P3	3	6.93	6.93	8.47	9.02	9.47	9.47
P4	8	11.02	11.37	11.94	12.15	12.45	12.55
P5	17	8.65	10.58	11.33	11.11	11.90	13.77

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

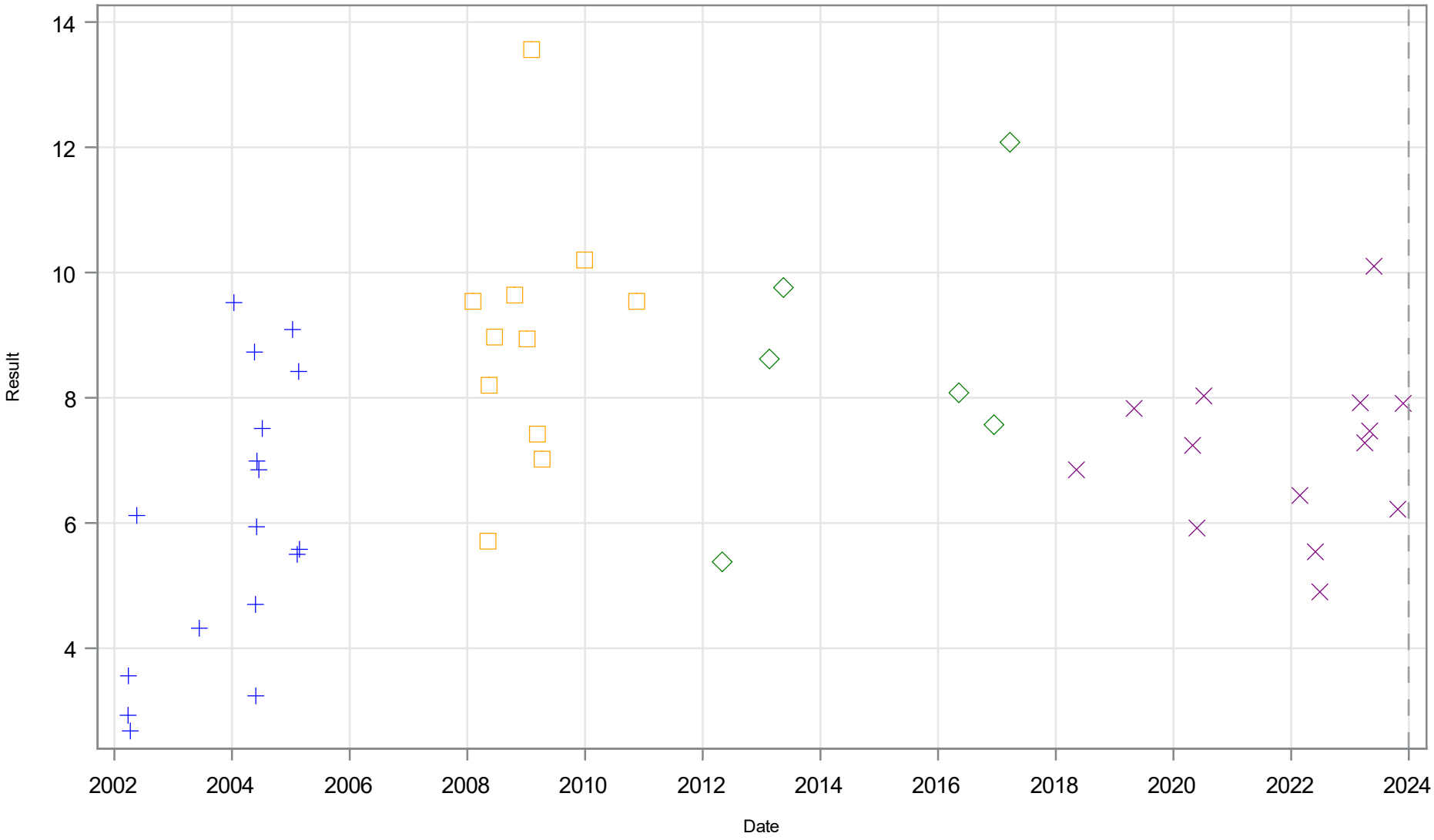
Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

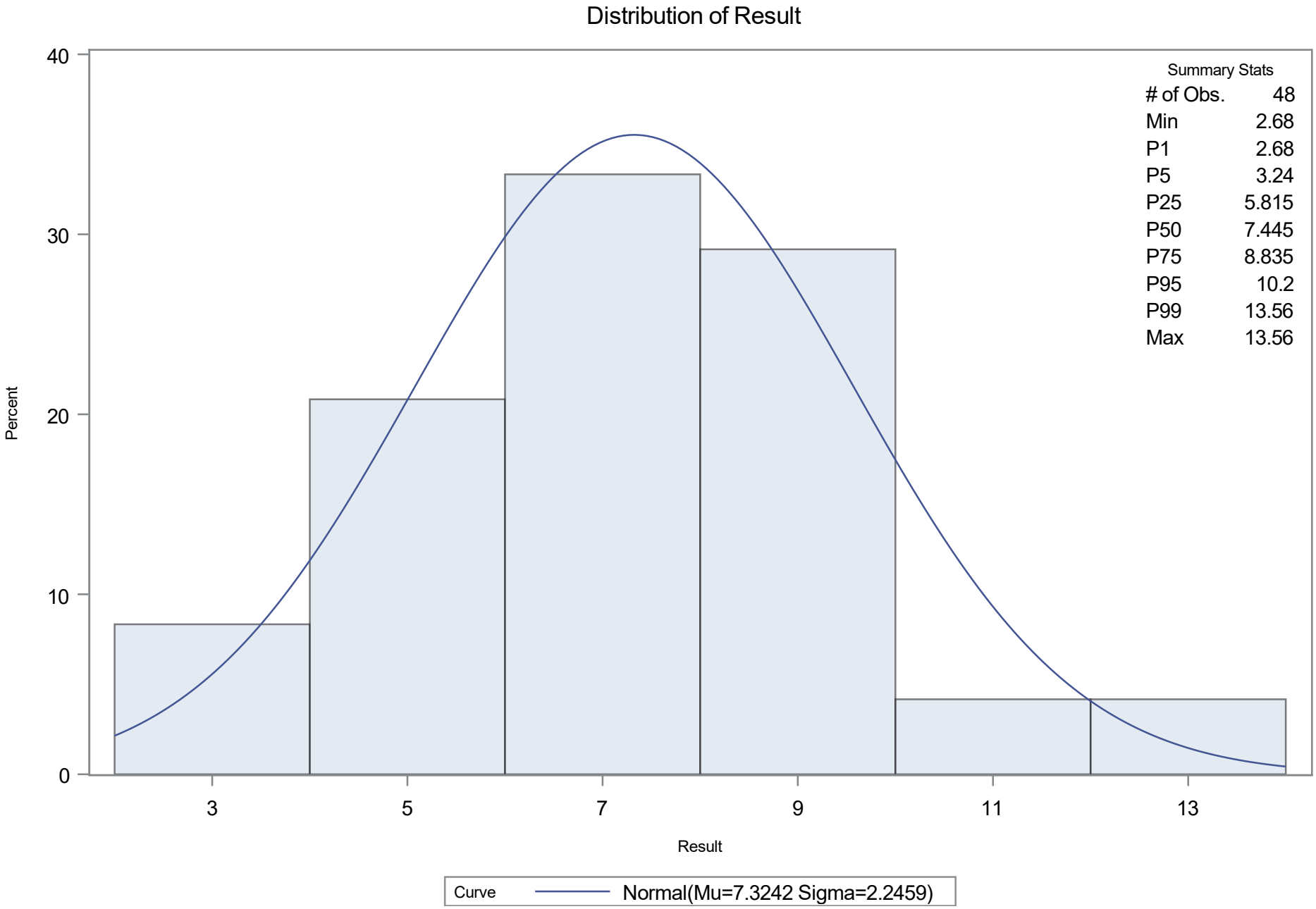
Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.324167
Std Dev	Sigma	2.245948

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06222980	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02469229	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21786904	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.68000	2.09931
5.0	3.24000	3.62991
10.0	4.32000	4.44587
25.0	5.81500	5.80930
50.0	7.44500	7.32417
75.0	8.83500	8.83904
90.0	9.76000	10.20247
95.0	10.20000	11.01842
99.0	13.56000	12.54902

Period of Record: January 1996 through December 2023
Analysis Days Only

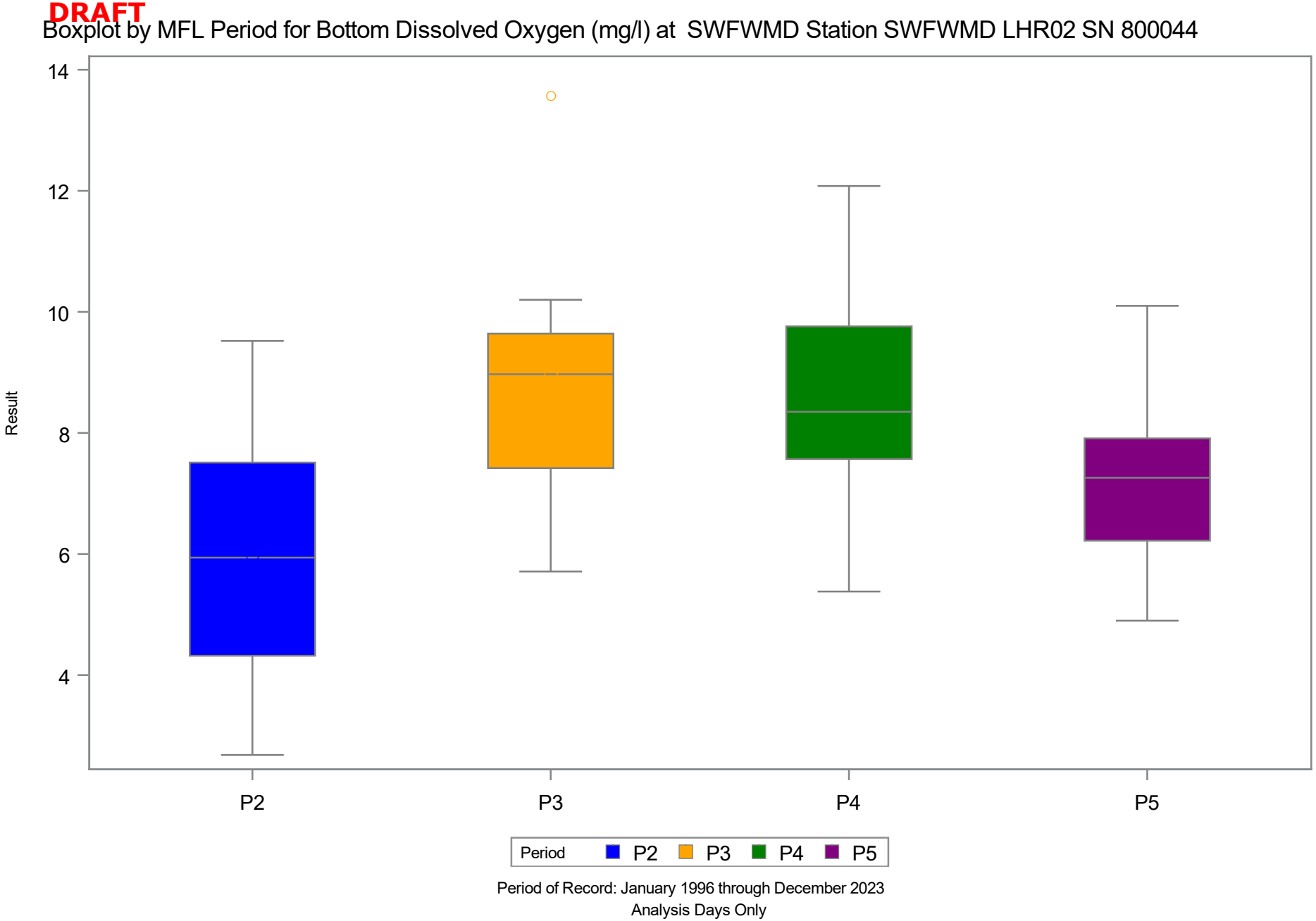
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044

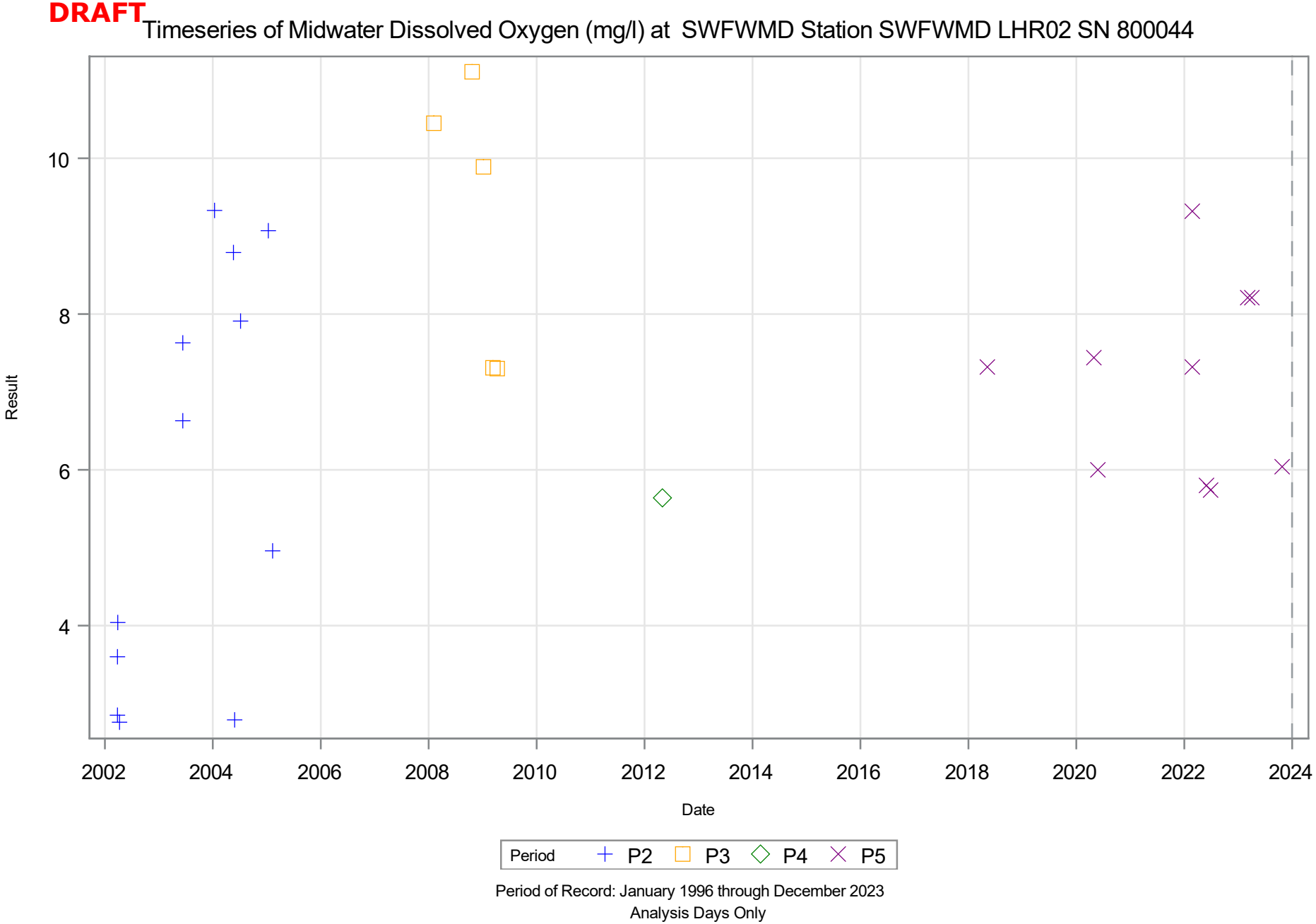
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	17	2.68	4.32	5.98	5.94	7.51	9.52
P3	11	5.71	7.42	8.98	8.97	9.64	13.56
P4	6	5.38	7.57	8.58	8.35	9.76	12.08
P5	14	4.90	6.22	7.12	7.26	7.91	10.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

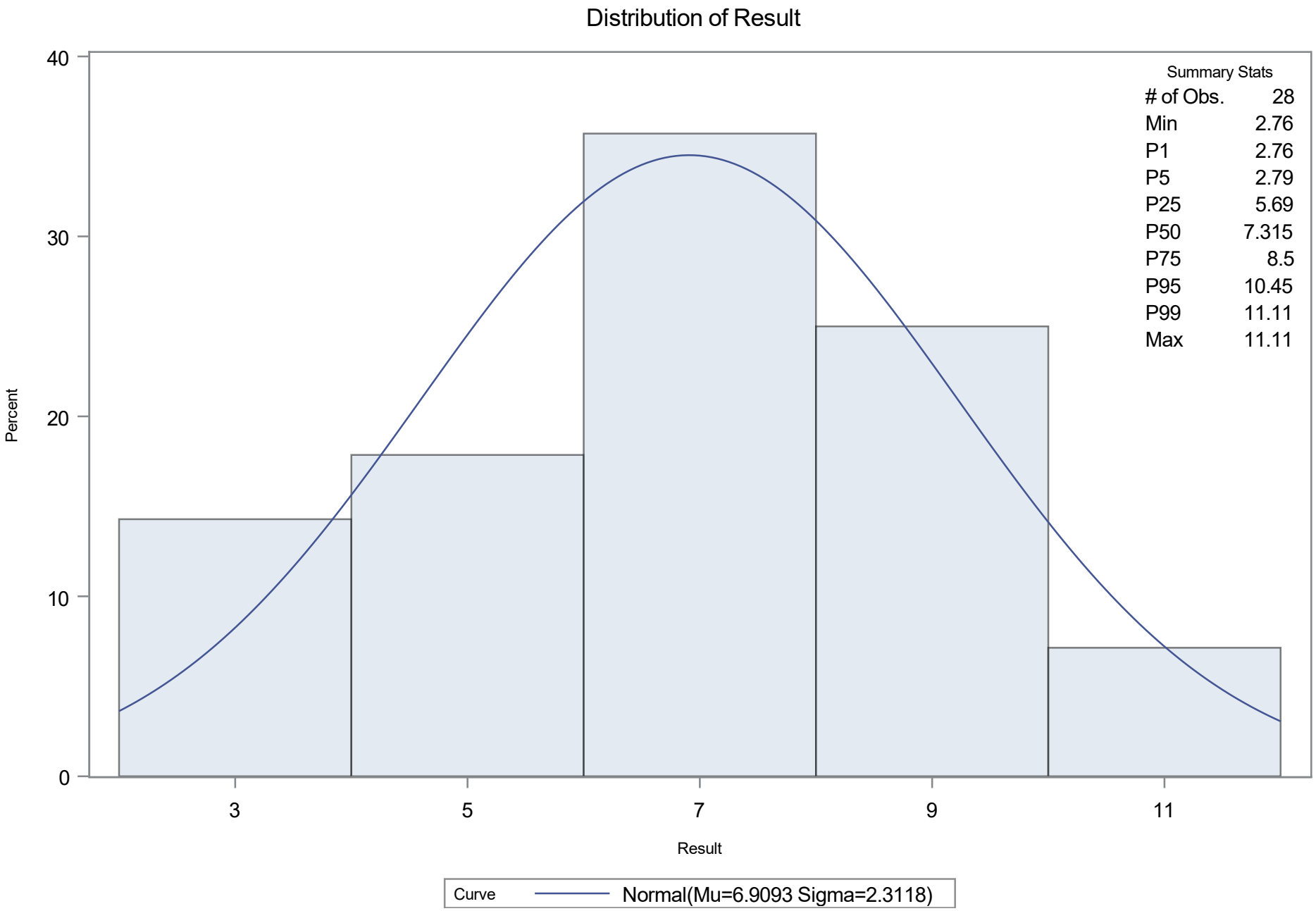

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
14
12
10
8
6
4
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
10
8
6
4
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.909286
Std Dev	Sigma	2.311785

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13853411	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04667019	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31980443	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.76000	1.53127
5.0	2.79000	3.10674
10.0	2.85000	3.94661
25.0	5.69000	5.35001
50.0	7.31500	6.90929
75.0	8.50000	8.46856
90.0	9.89000	9.87196
95.0	10.45000	10.71183
99.0	11.11000	12.28730

Period of Record: January 1996 through December 2023
Analysis Days Only

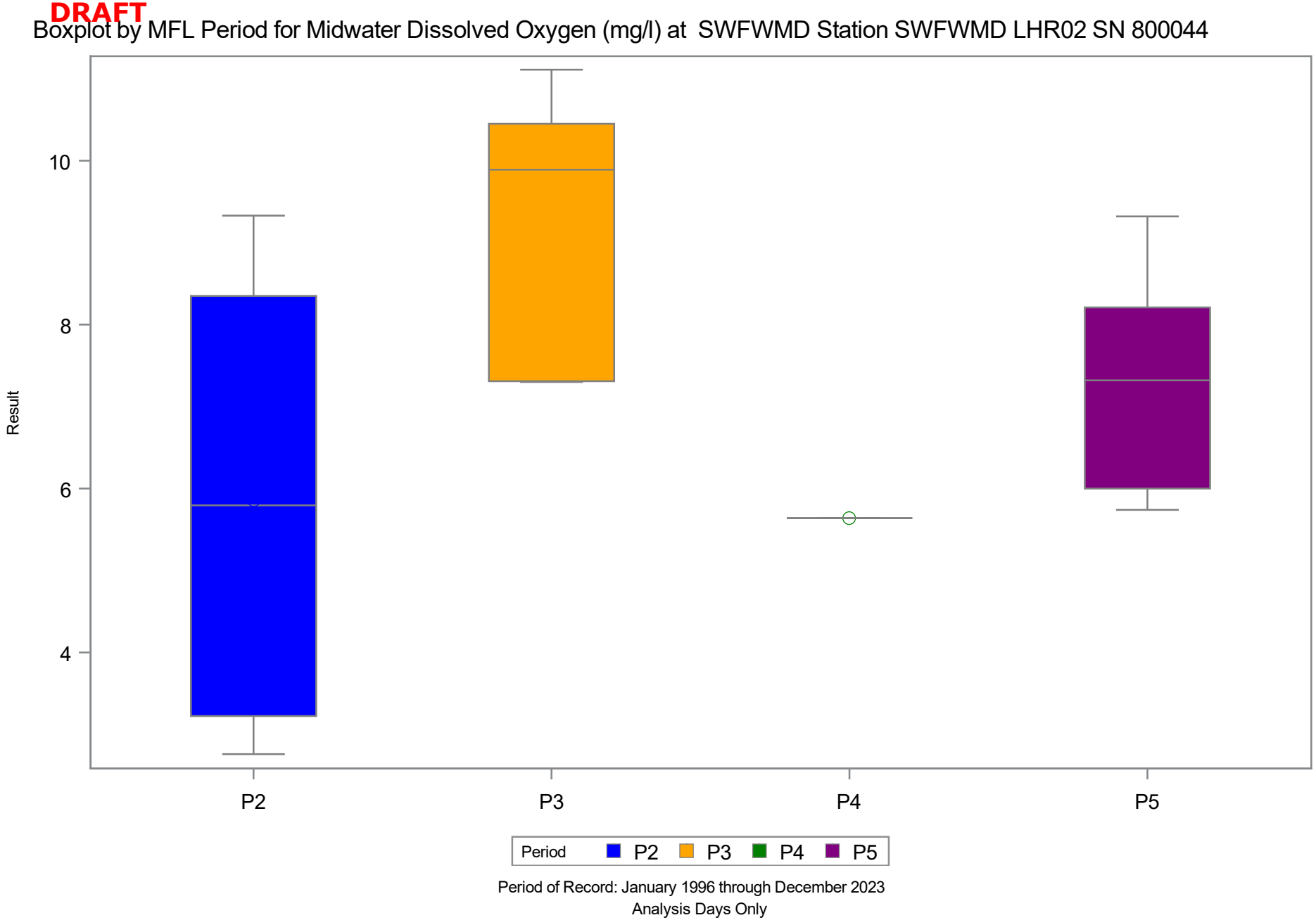
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	12	2.76	3.23	5.86	5.80	8.35	9.33
P3	5	7.30	7.31	9.21	9.89	10.45	11.11
P4	1	5.64	5.64	5.64	5.64	5.64	5.64
P5	10	5.74	6.00	7.14	7.32	8.21	9.32

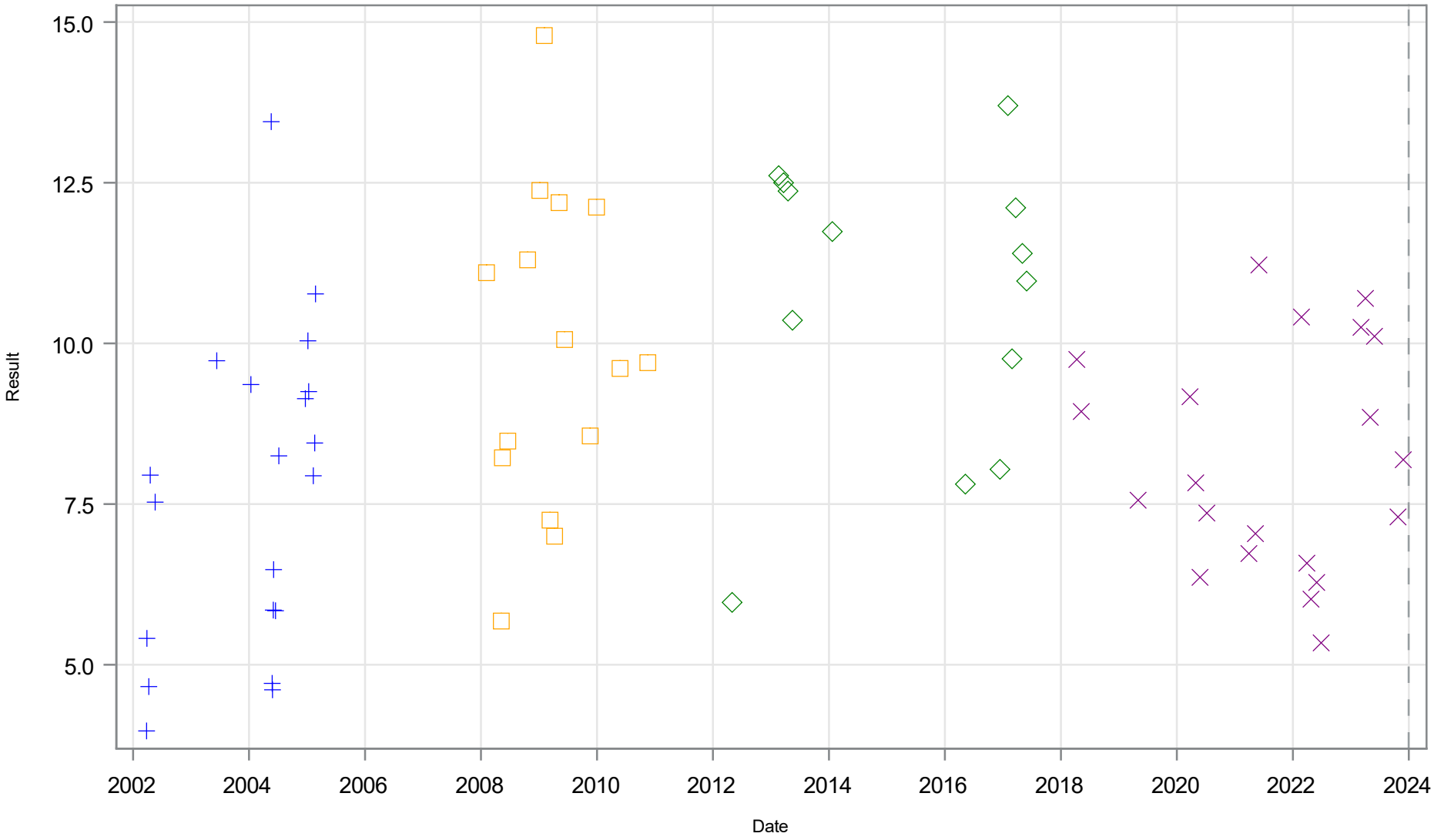
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
10
8
6
4
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

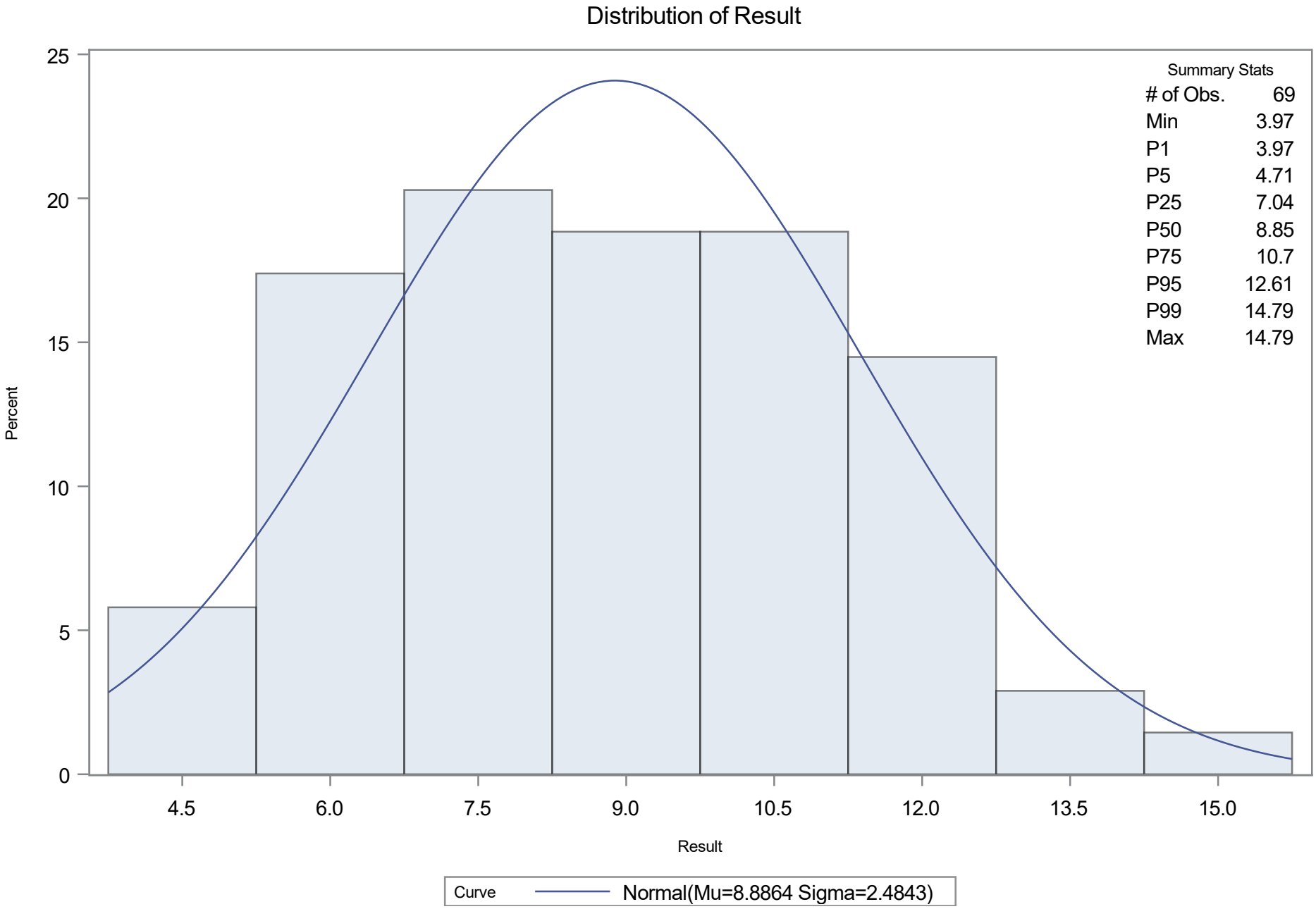
Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.886377
Std Dev	Sigma	2.484278

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05036238	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02974447	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21653326	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.97000	3.10708
5.0	4.71000	4.80010
10.0	5.68000	5.70265
25.0	7.04000	7.21076
50.0	8.85000	8.88638
75.0	10.70000	10.56200
90.0	12.37000	12.07011
95.0	12.61000	12.97265
99.0	14.79000	14.66567

Period of Record: January 1996 through December 2023
Analysis Days Only

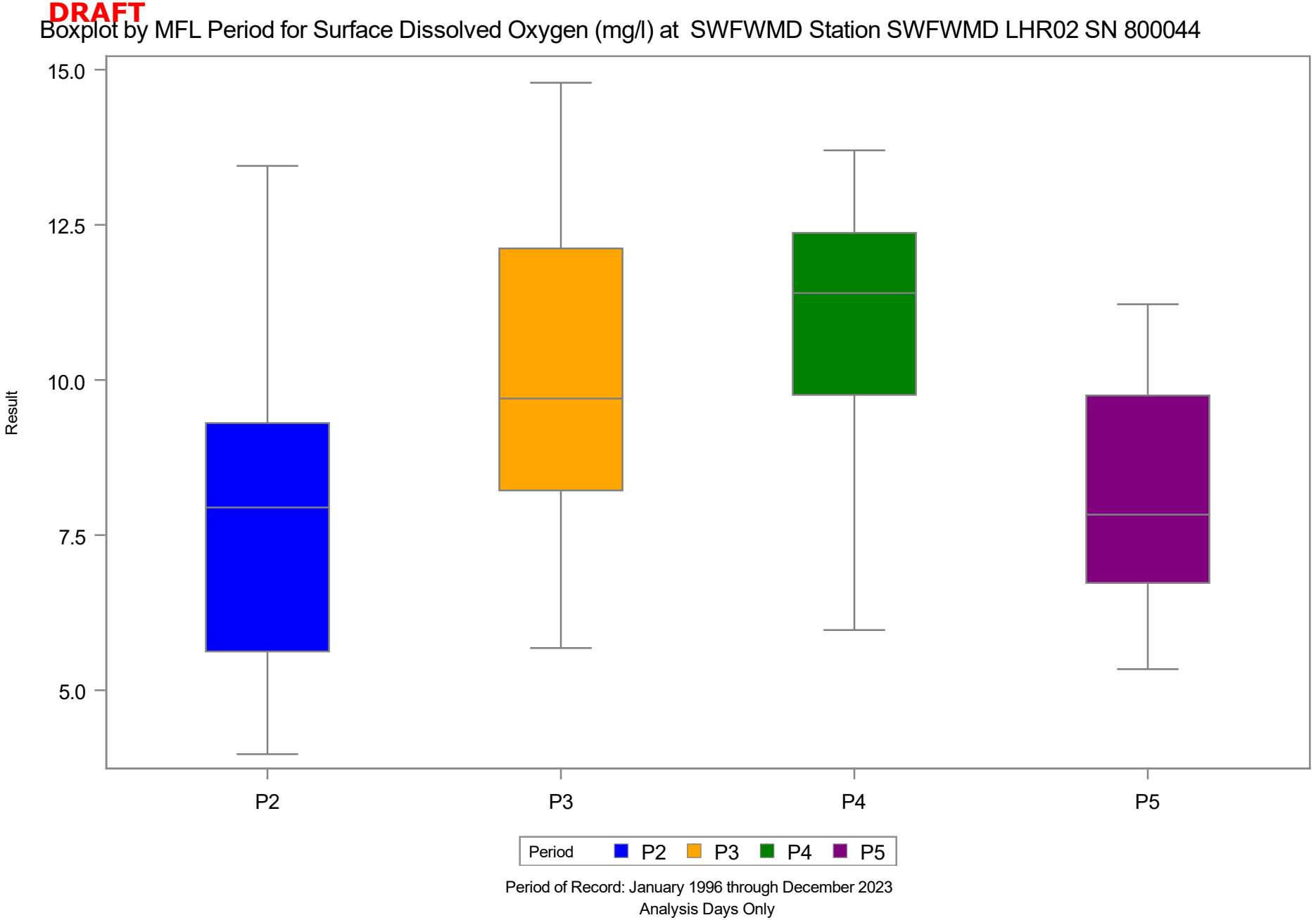
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	3.97	5.63	7.67	7.95	9.31	13.45
P3	15	5.68	8.22	9.90	9.70	12.12	14.79
P4	13	5.97	9.76	10.72	11.40	12.37	13.70
P5	21	5.34	6.73	8.19	7.83	9.75	11.22

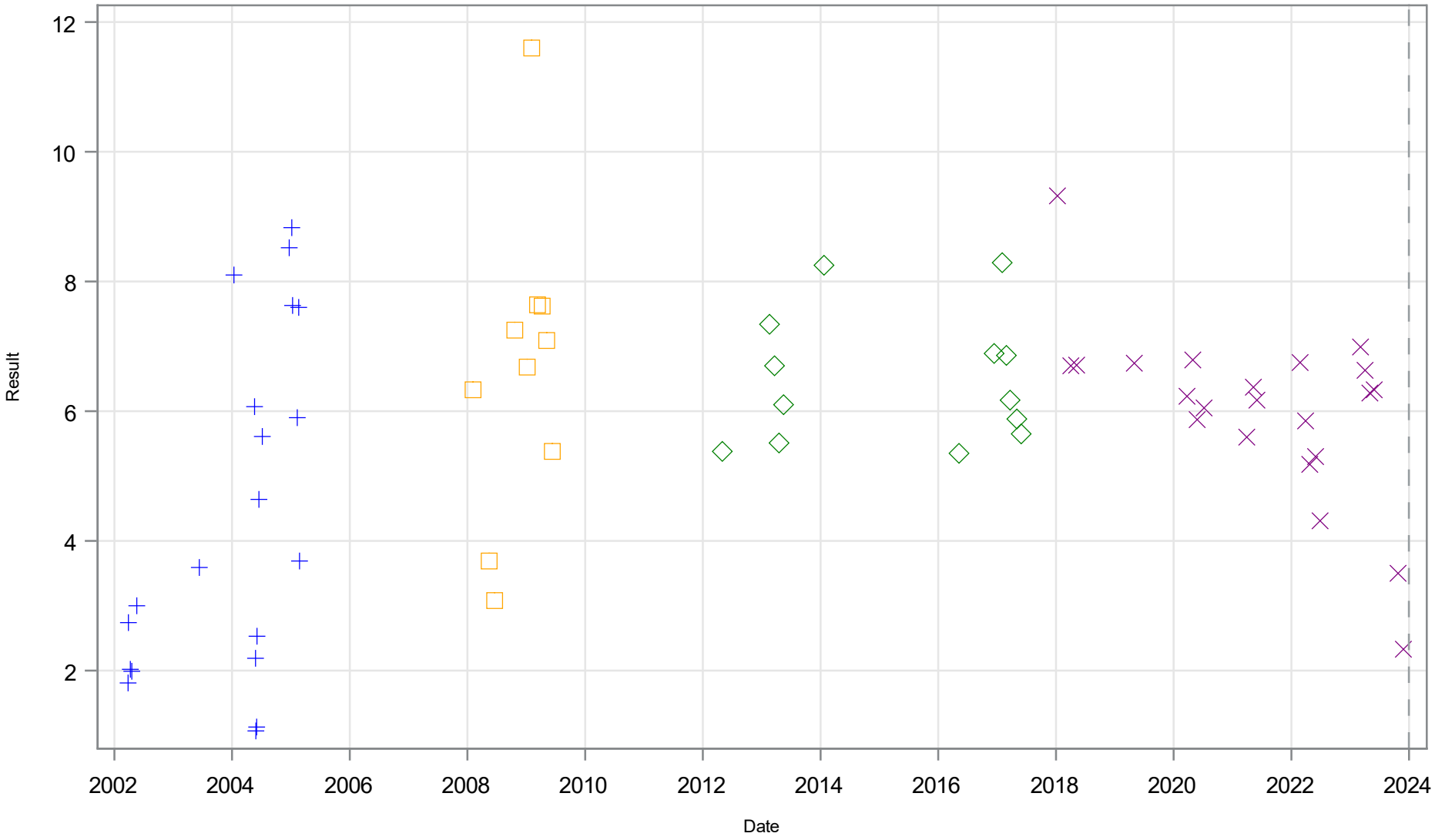
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
15.0
12.5
10.0
7.5
5.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

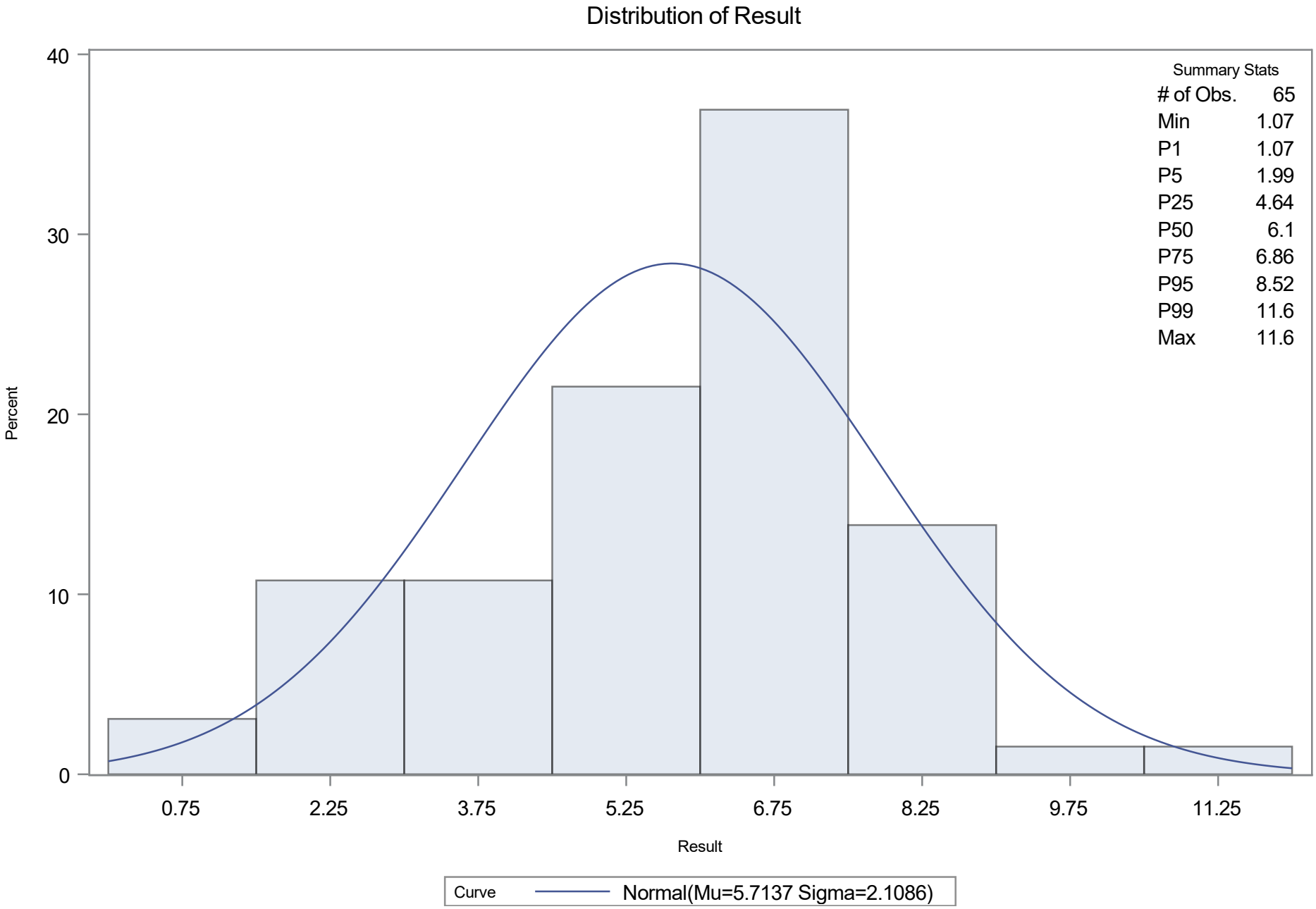
Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.713692
Std Dev	Sigma	2.108629

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14530759	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26245106	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.37479479	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.07000	0.80829
5.0	1.99000	2.24531
10.0	2.33000	3.01138
25.0	4.64000	4.29144
50.0	6.10000	5.71369
75.0	6.86000	7.13594
90.0	8.10000	8.41601
95.0	8.52000	9.18208
99.0	11.60000	10.61910

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

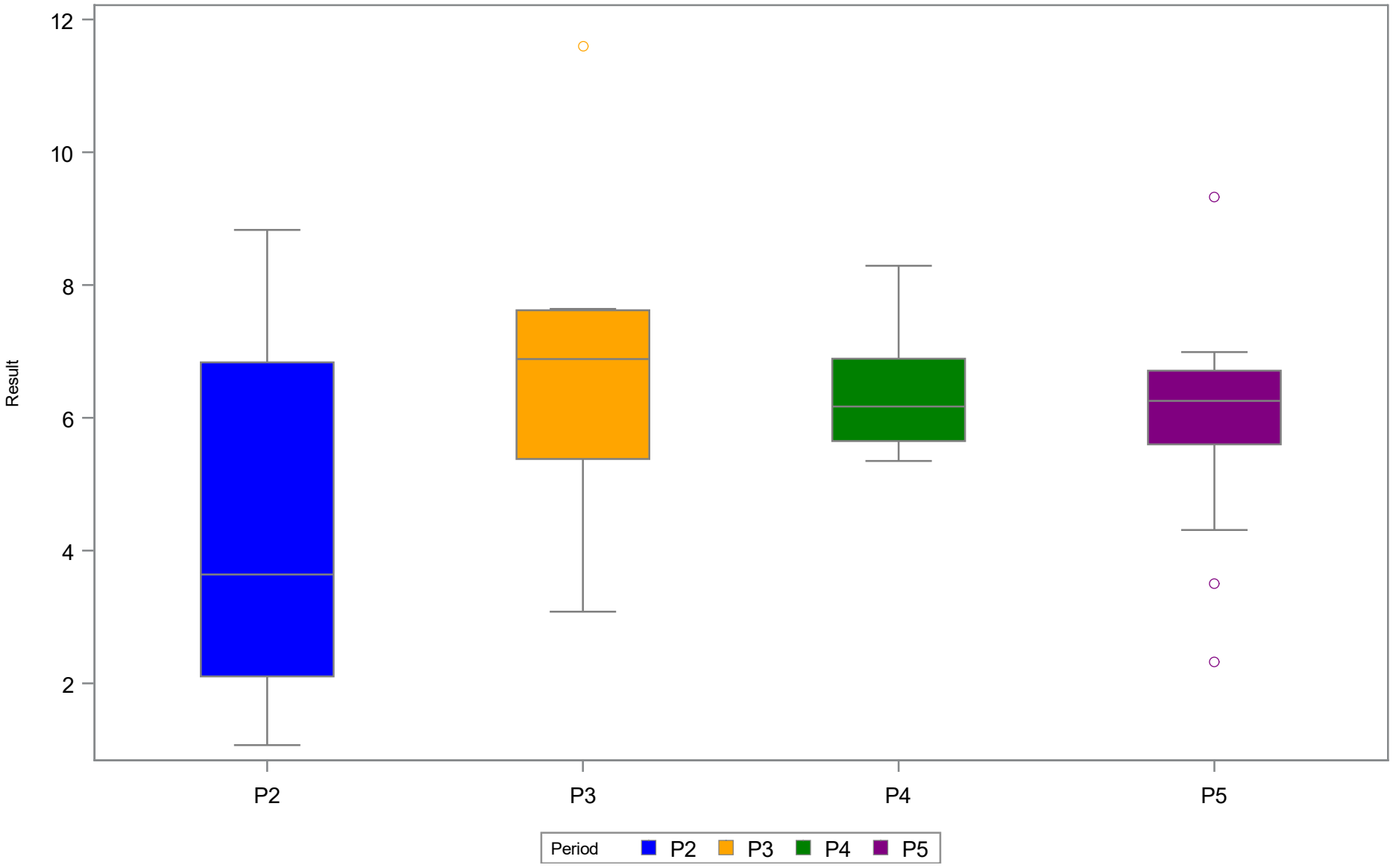
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	1.07	2.11	4.43	3.64	6.84	8.83
P3	10	3.08	5.38	6.64	6.89	7.62	11.60
P4	13	5.35	5.65	6.49	6.17	6.89	8.29
P5	22	2.33	5.60	6.00	6.26	6.71	9.32

Period of Record: January 1996 through December 2023
Analysis Days Only

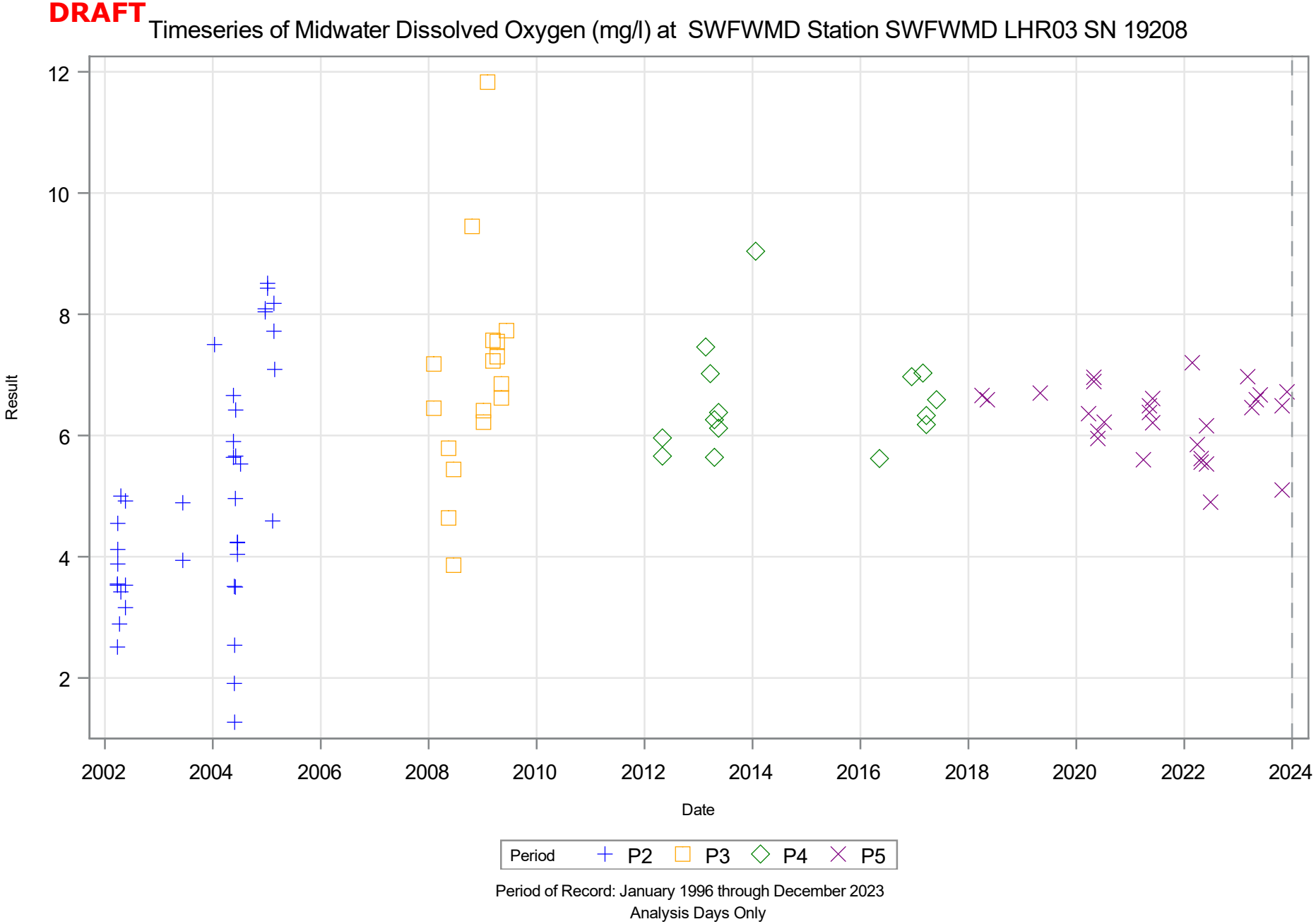
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



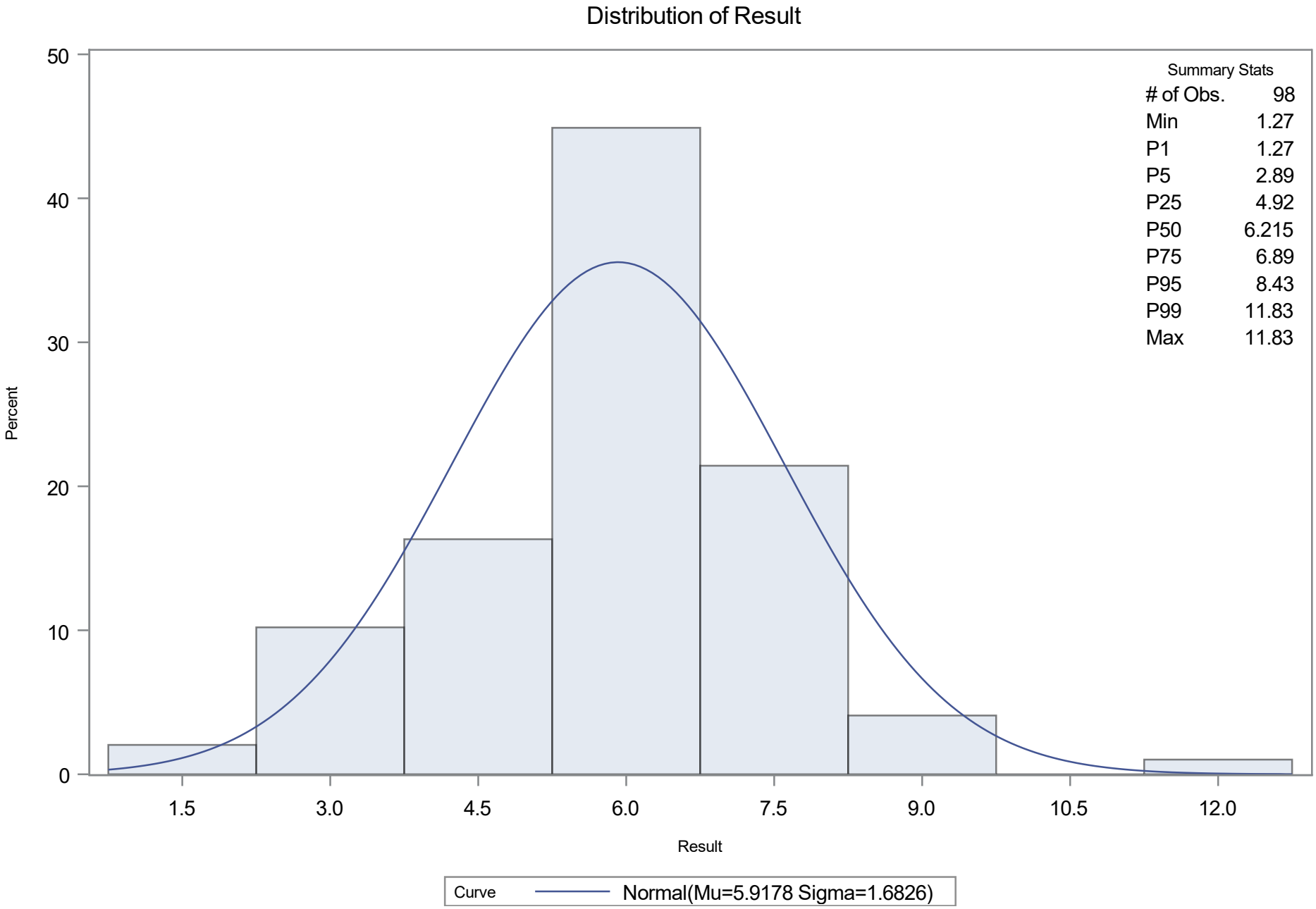
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
12
10
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.917755
Std Dev	Sigma	1.682585

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11295190	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22484921	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.17354149	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.27000	2.00348
5.0	2.89000	3.15015
10.0	3.53000	3.76144
25.0	4.92000	4.78287
50.0	6.21500	5.91776
75.0	6.89000	7.05264
90.0	7.72000	8.07407
95.0	8.43000	8.68536
99.0	11.83000	9.83203

Period of Record: January 1996 through December 2023
Analysis Days Only

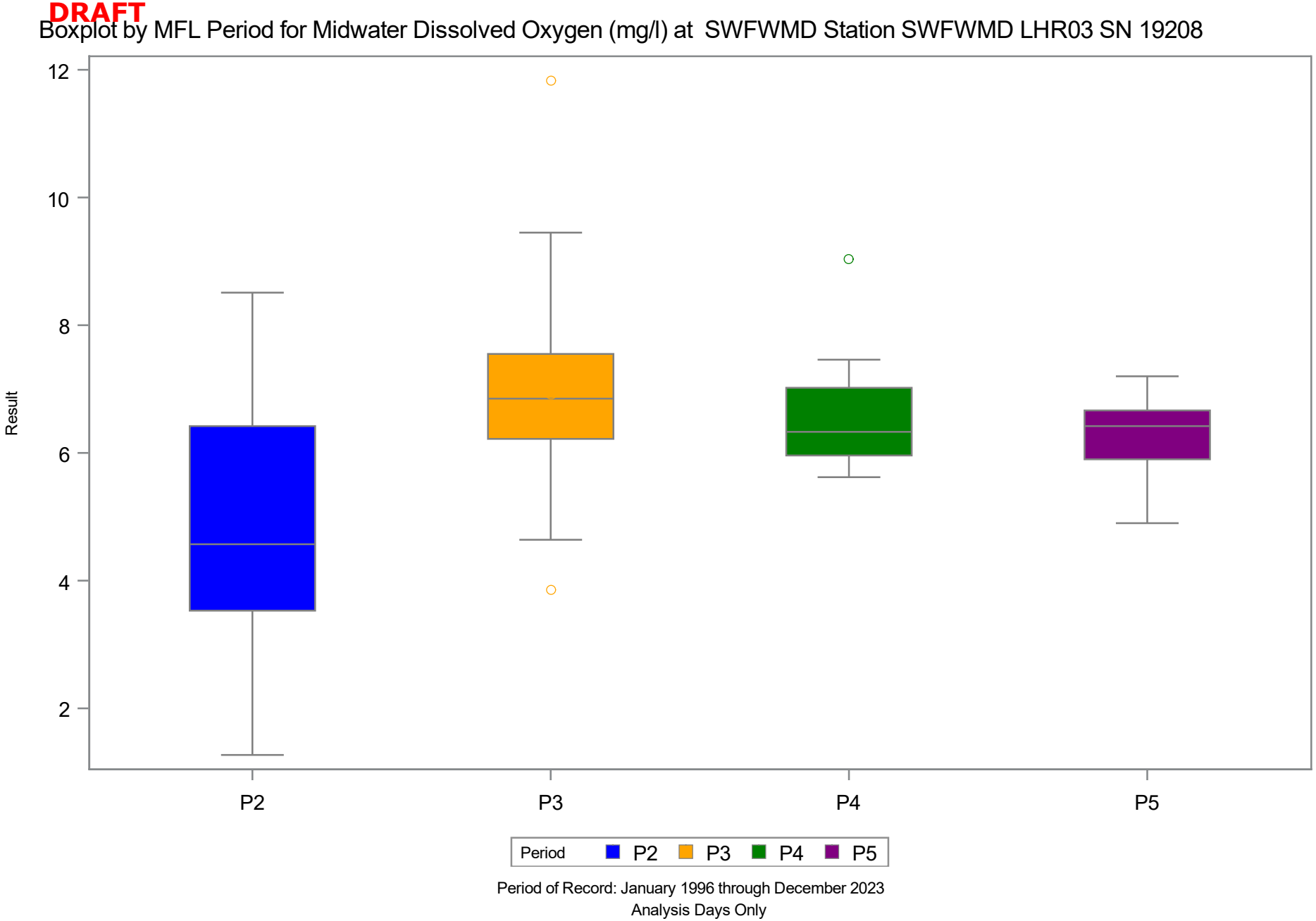
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

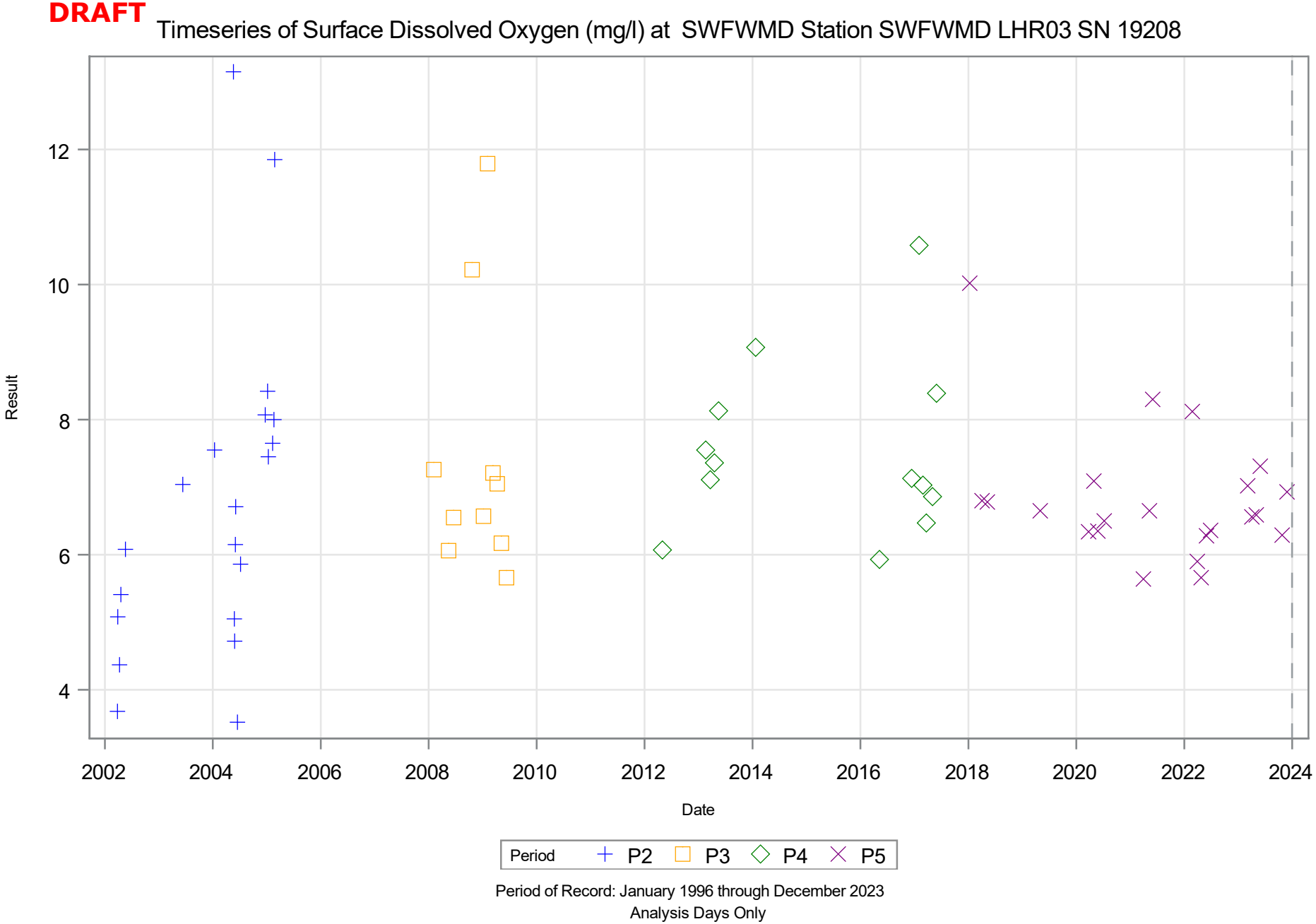
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	38	1.27	3.53	4.95	4.57	6.42	8.51
P3	17	3.86	6.22	6.95	6.85	7.55	11.83
P4	15	5.62	5.96	6.55	6.33	7.02	9.04
P5	28	4.90	5.90	6.27	6.42	6.67	7.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

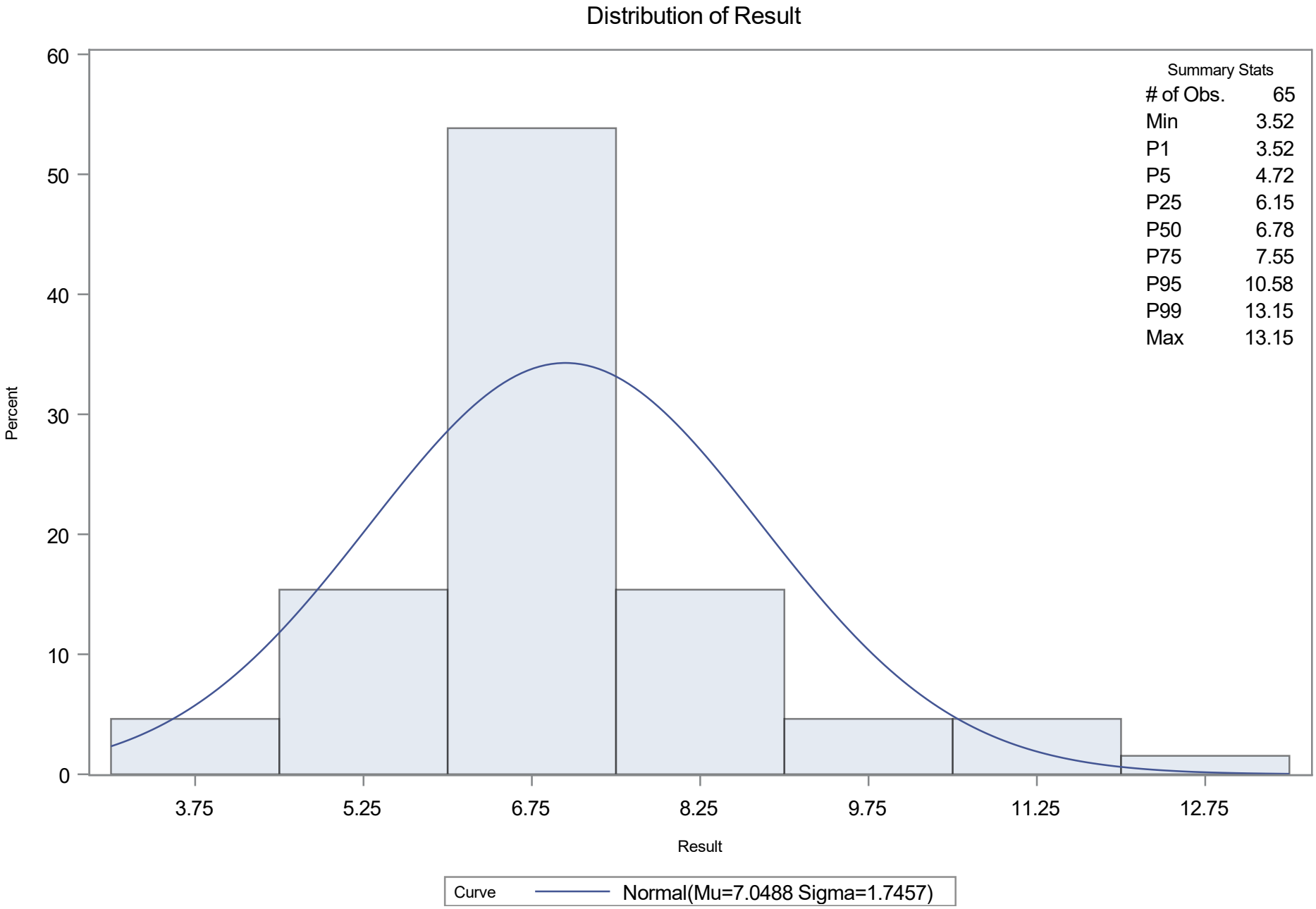

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
12
10
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
12
10
8
6
4
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.048769
Std Dev	Sigma	1.745656

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15623702	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.40770933	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.30570090	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.52000	2.98777
5.0	4.72000	4.17742
10.0	5.41000	4.81162
25.0	6.15000	5.87134
50.0	6.78000	7.04877
75.0	7.55000	8.22620
90.0	9.07000	9.28592
95.0	10.58000	9.92012
99.0	13.15000	11.10977

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

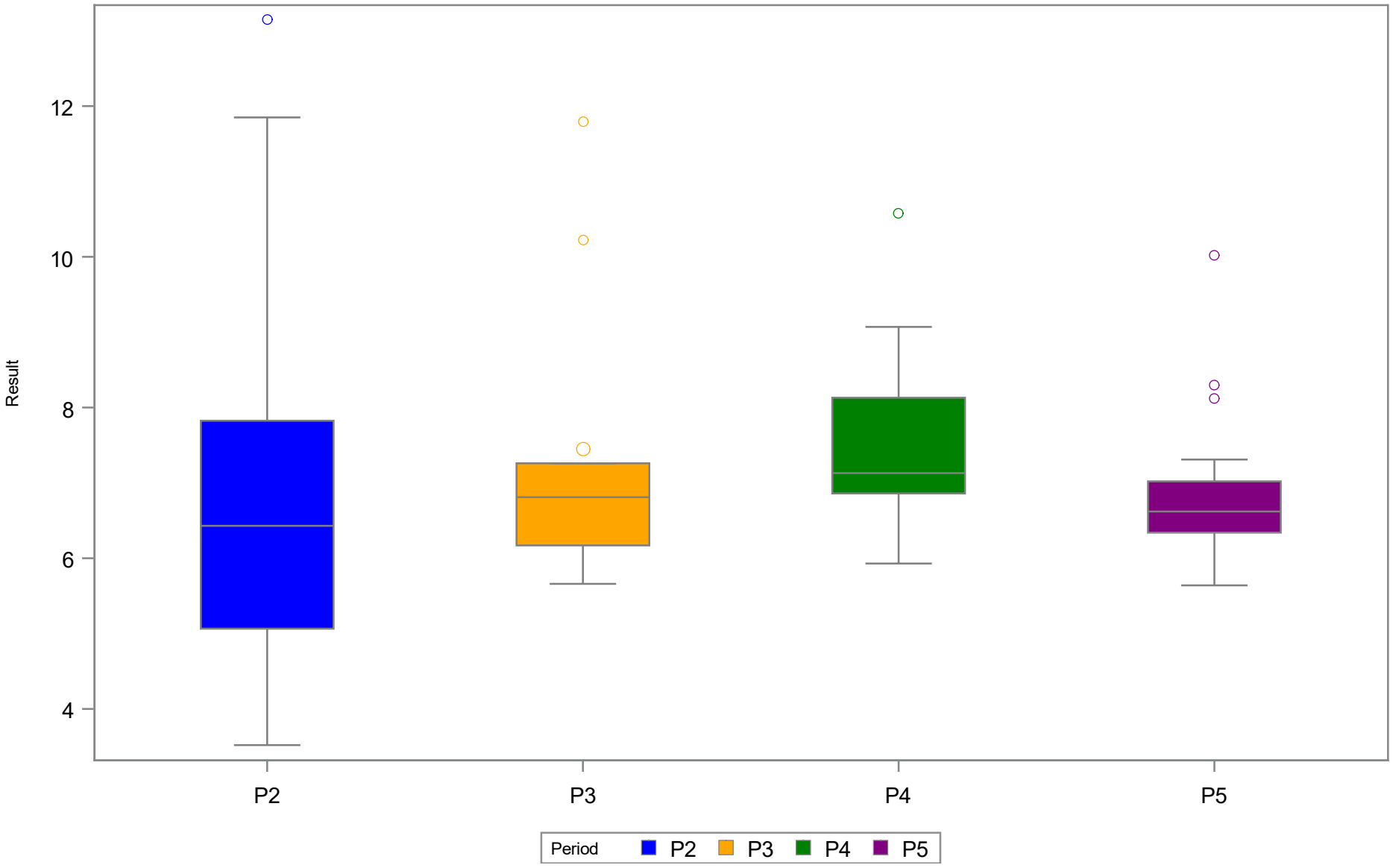
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	3.52	5.07	6.79	6.43	7.83	13.15
P3	10	5.66	6.17	7.45	6.81	7.26	11.79
P4	13	5.93	6.86	7.51	7.13	8.13	10.58
P5	22	5.64	6.34	6.82	6.62	7.02	10.02

Period of Record: January 1996 through December 2023
Analysis Days Only

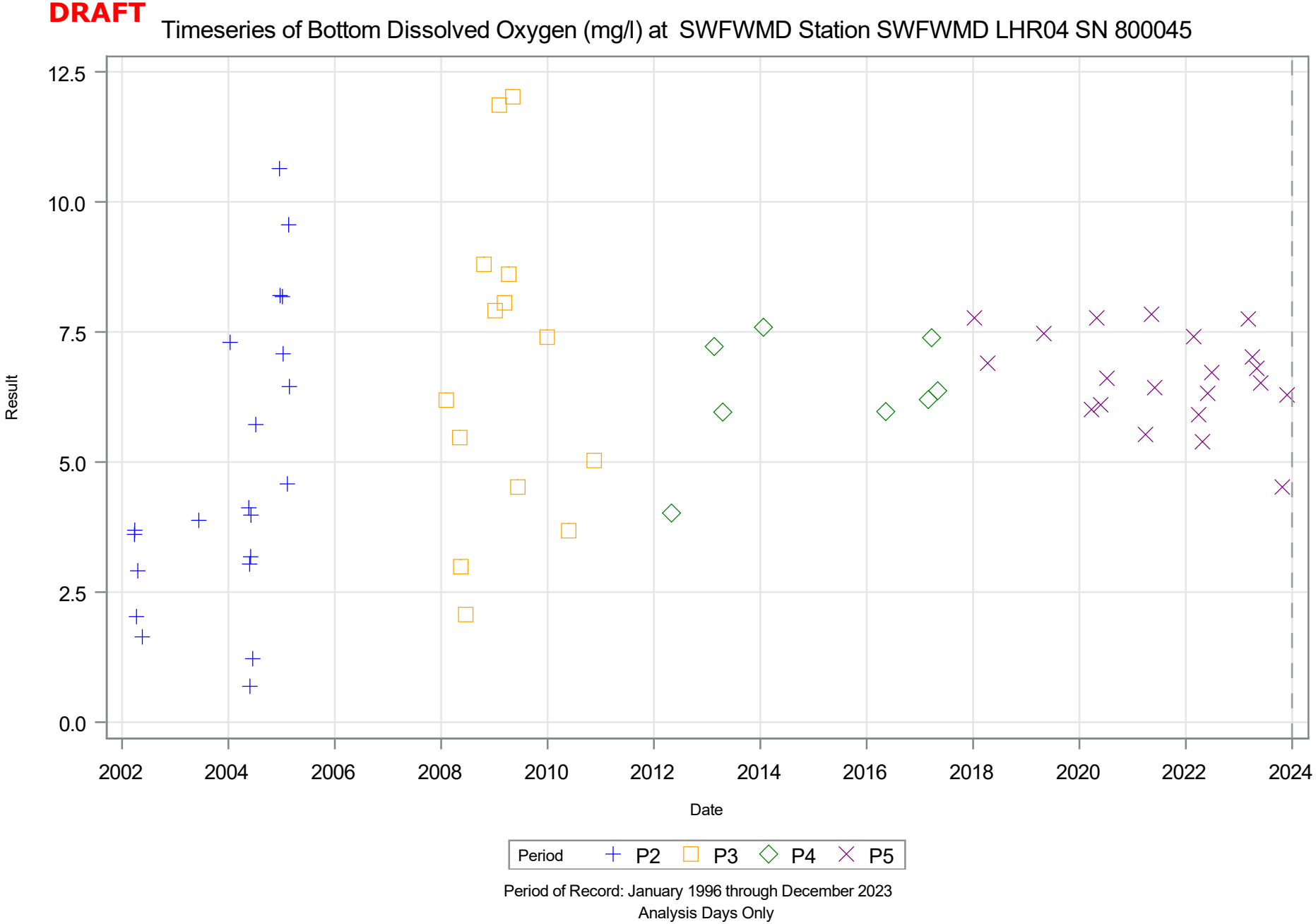
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



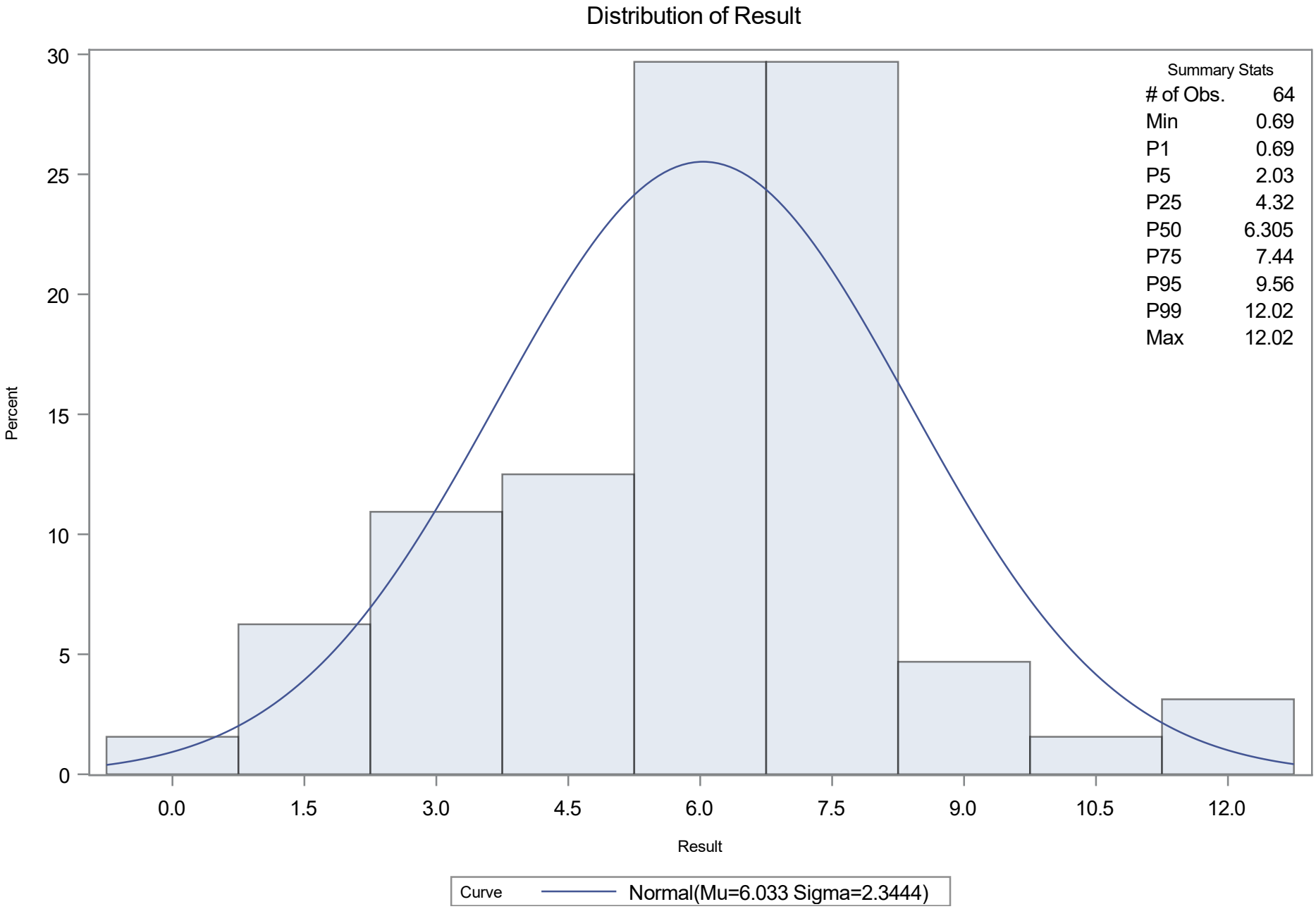
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
12.5
10.0
7.5
5.0
2.5
0.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.032969
Std Dev	Sigma	2.344427

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10408446	**Pr > D**	0.084
Cramer-von Mises	**W-Sq**	0.10671918	**Pr > W-Sq**	0.092
Anderson-Darling	**A-Sq**	0.61343821	**Pr > A-Sq**	0.107

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.69000	0.57902
5.0	2.03000	2.17673
10.0	2.99000	3.02846
25.0	4.32000	4.45168
50.0	6.30500	6.03297
75.0	7.44000	7.61426
90.0	8.20000	9.03747
95.0	9.56000	9.88921
99.0	12.02000	11.48692

Period of Record: January 1996 through December 2023
Analysis Days Only

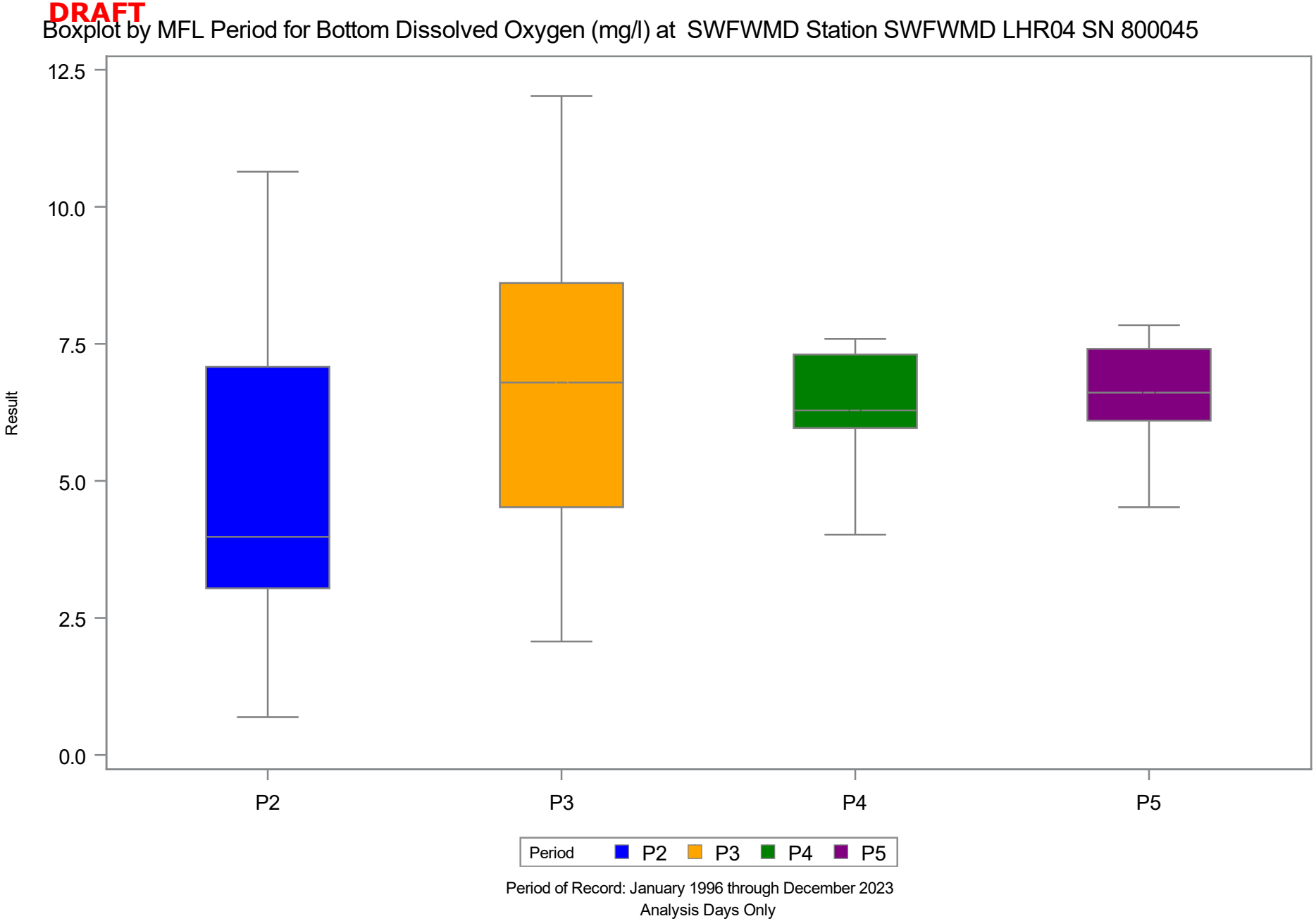
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045

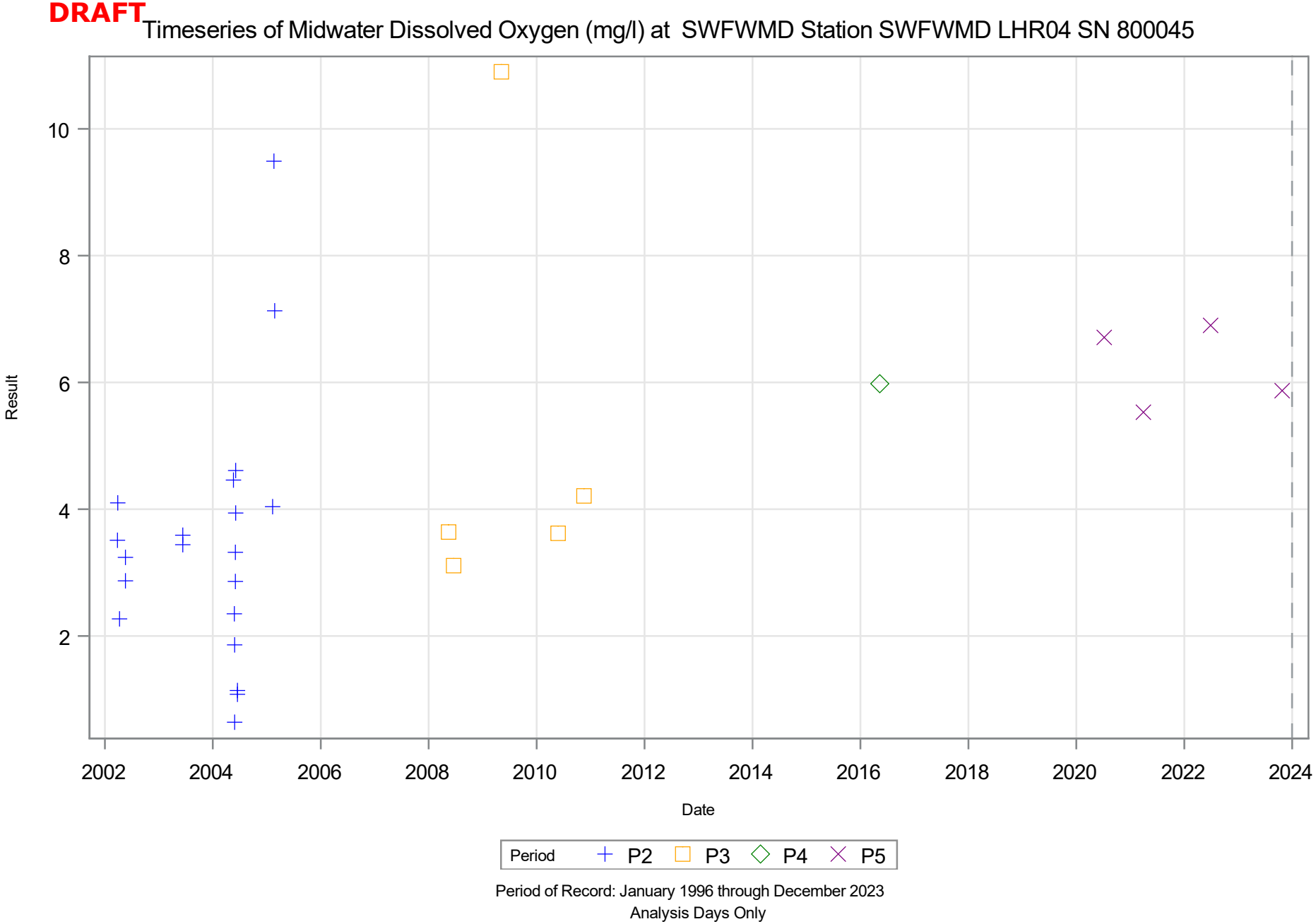
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.69	3.04	4.84	3.98	7.08	10.64
P3	14	2.07	4.52	6.76	6.80	8.61	12.02
P4	8	4.02	5.97	6.34	6.29	7.31	7.59
P5	21	4.52	6.10	6.62	6.61	7.41	7.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

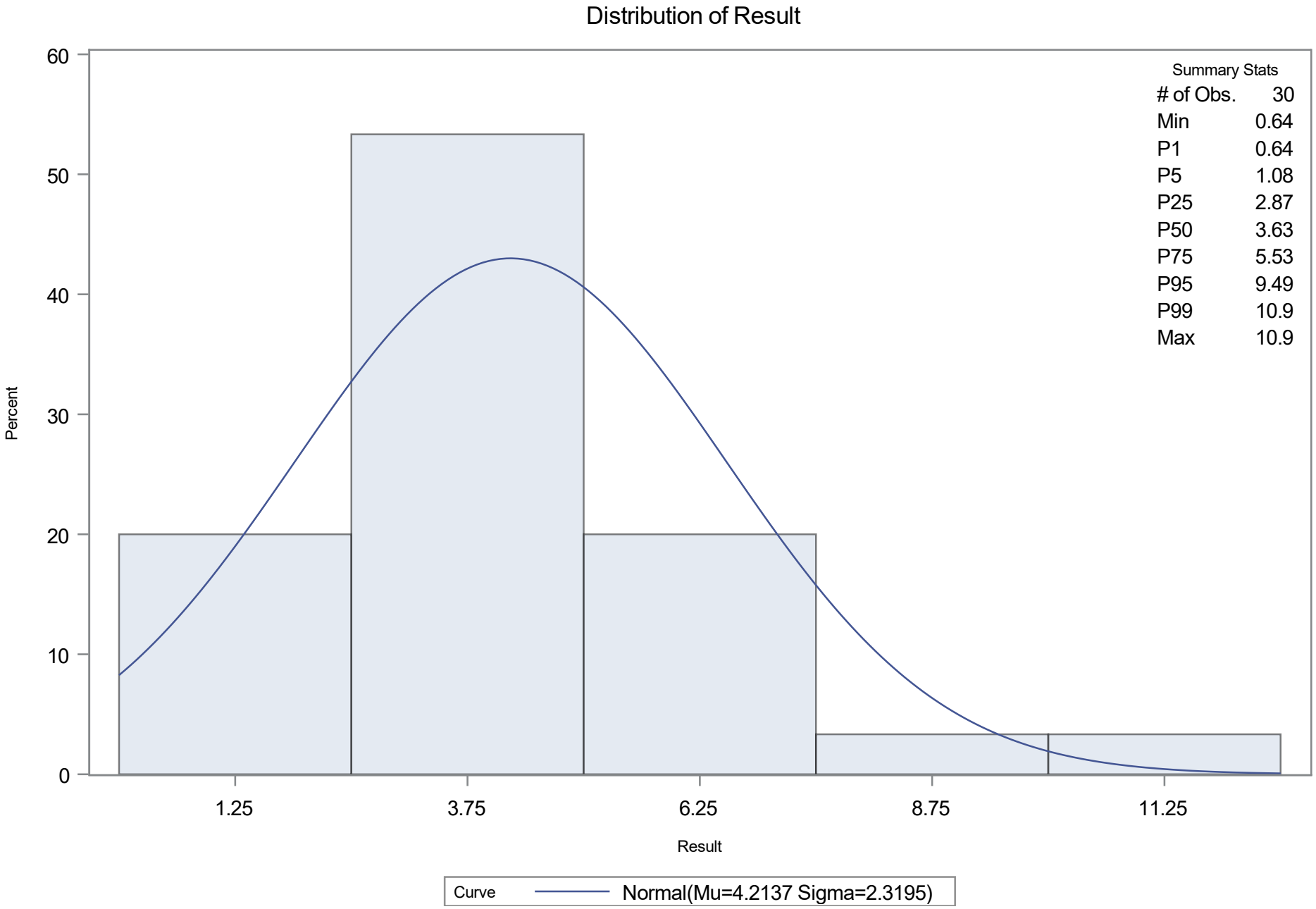

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
12.5
10.0
7.5
5.0
2.5
0.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
10
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.213667
Std Dev	Sigma	2.31954

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16729730	**Pr > D**	0.031
Cramer-von Mises	**W-Sq**	0.15355218	**Pr > W-Sq**	0.021
Anderson-Darling	**A-Sq**	0.84260162	**Pr > A-Sq**	0.026

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.64000	-1.18239
5.0	1.08000	0.39836
10.0	1.50000	1.24106
25.0	2.87000	2.64916
50.0	3.63000	4.21367
75.0	5.53000	5.77817
90.0	7.01500	7.18628
95.0	9.49000	8.02897
99.0	10.90000	9.60972

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

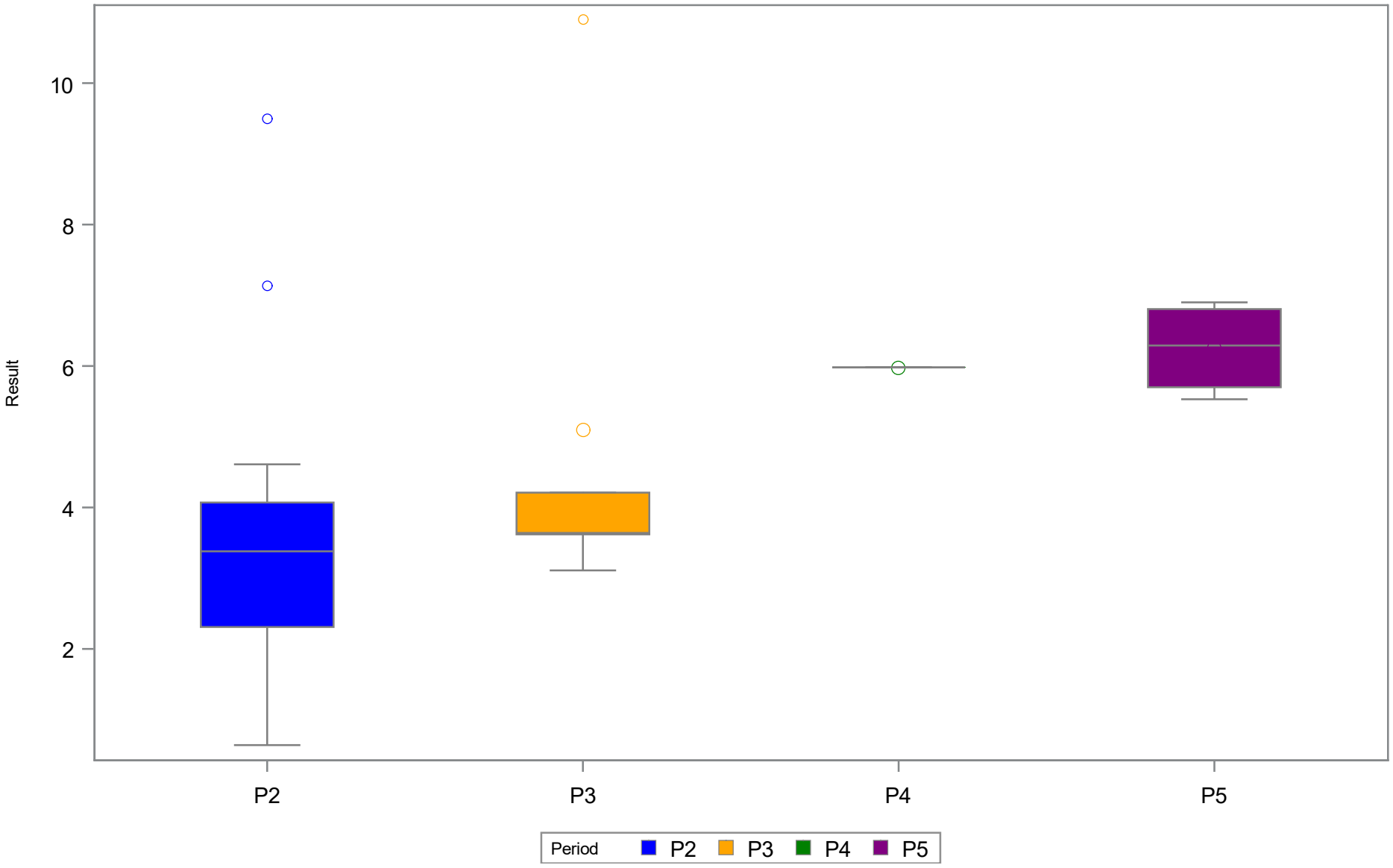
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.64	2.31	3.50	3.38	4.07	9.49
P3	5	3.11	3.62	5.10	3.64	4.21	10.90
P4	1	5.98	5.98	5.98	5.98	5.98	5.98
P5	4	5.53	5.70	6.25	6.29	6.81	6.90

Period of Record: January 1996 through December 2023
Analysis Days Only

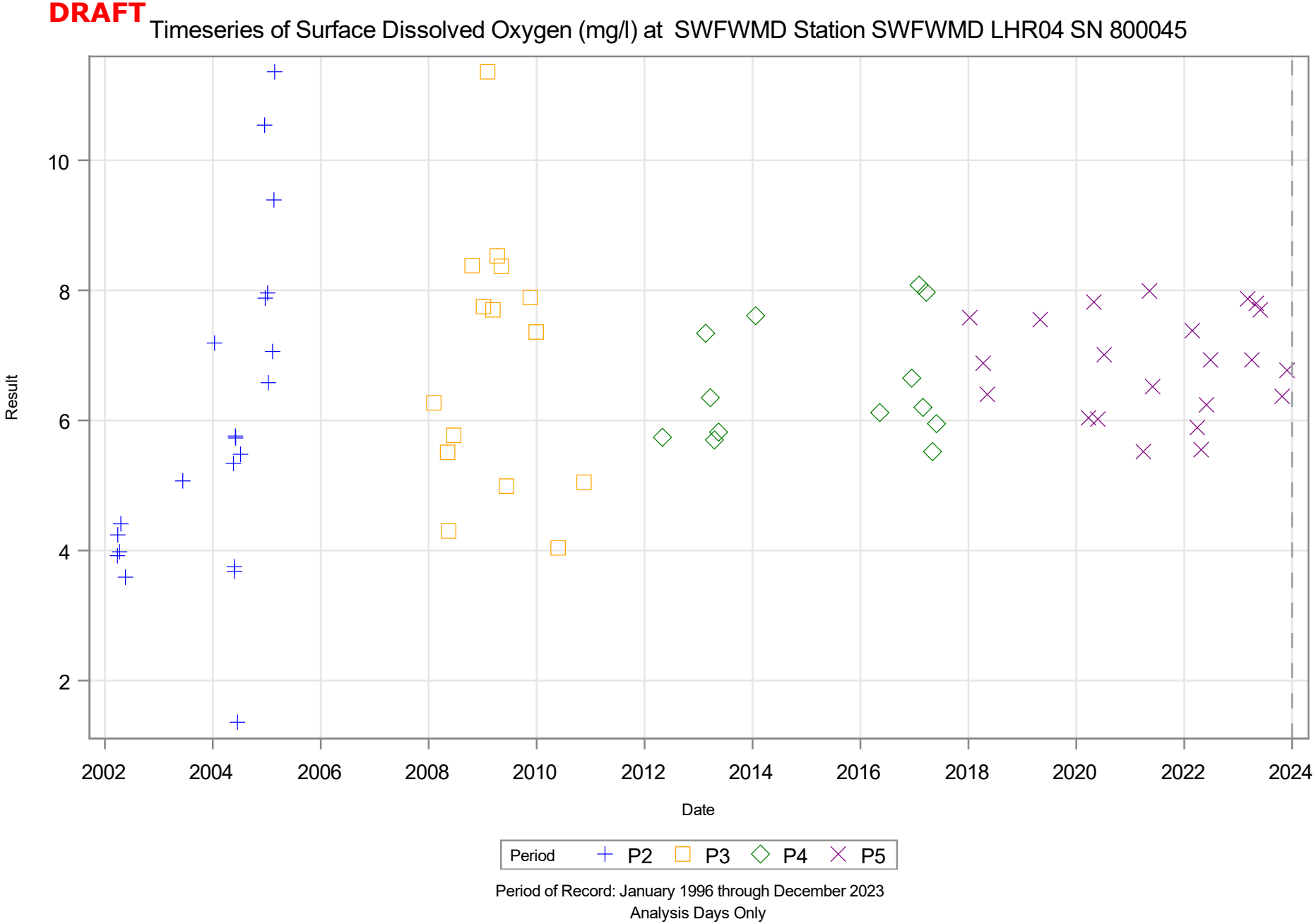
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045



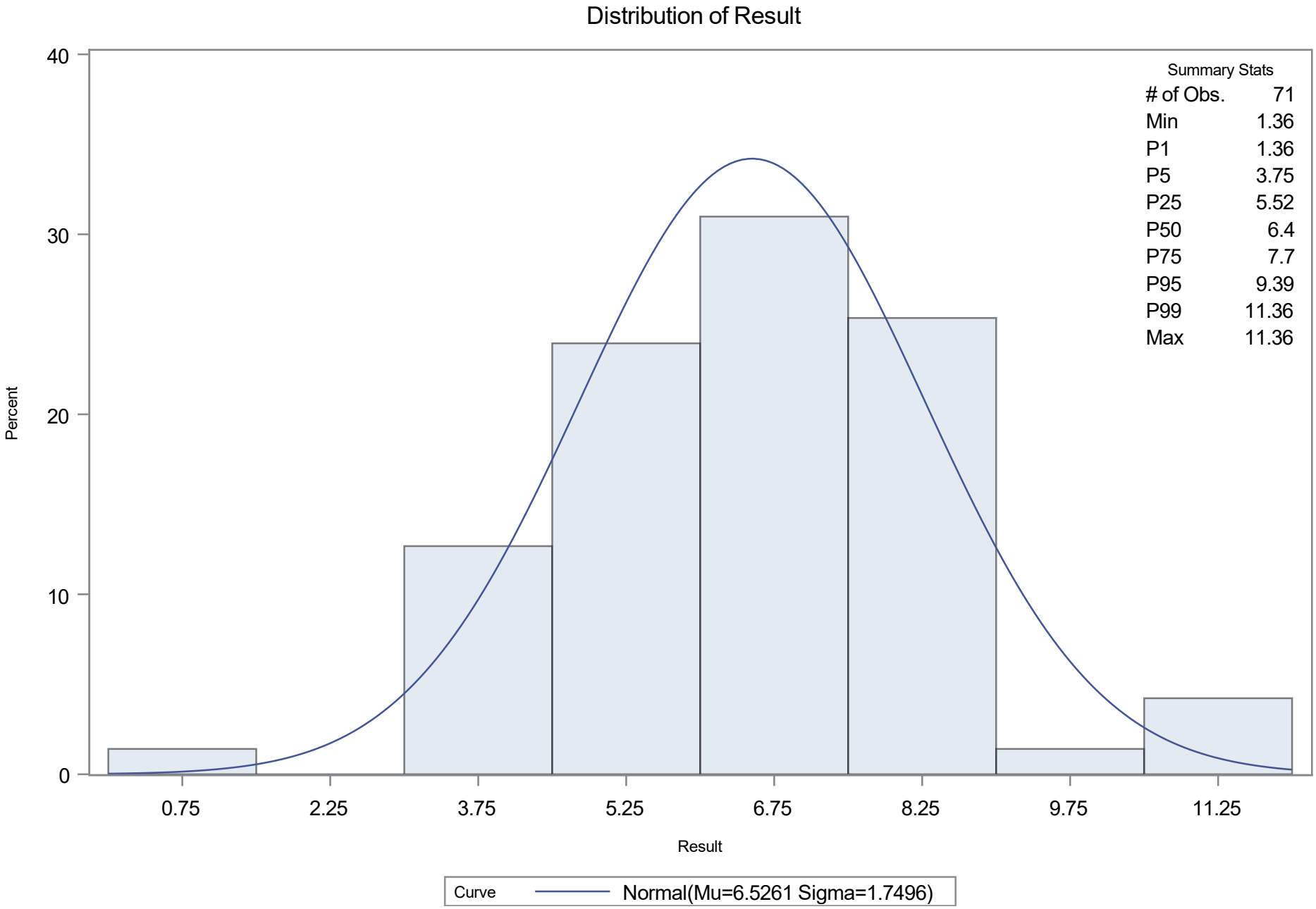
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
10
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.526056
Std Dev	Sigma	1.749567

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08869153	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07378514	**Pr > W-Sq**	0.248
Anderson-Darling	**A-Sq**	0.61335636	**Pr > A-Sq**	0.108

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.36000	2.45596
5.0	3.75000	3.64827
10.0	4.24000	4.28390
25.0	5.52000	5.34599
50.0	6.40000	6.52606
75.0	7.70000	7.70612
90.0	8.08000	8.76822
95.0	9.39000	9.40384
99.0	11.36000	10.59616

Period of Record: January 1996 through December 2023
Analysis Days Only

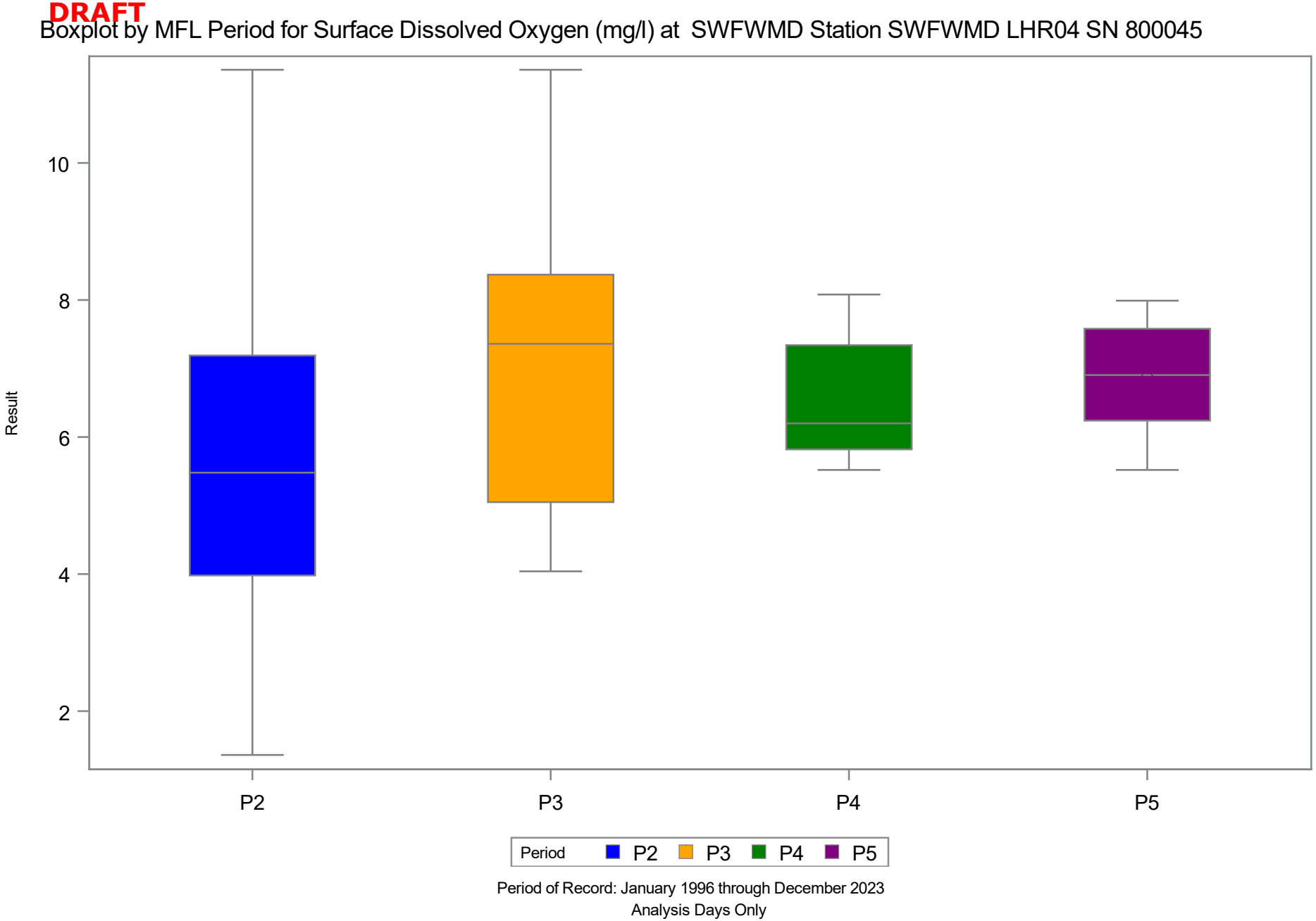
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045

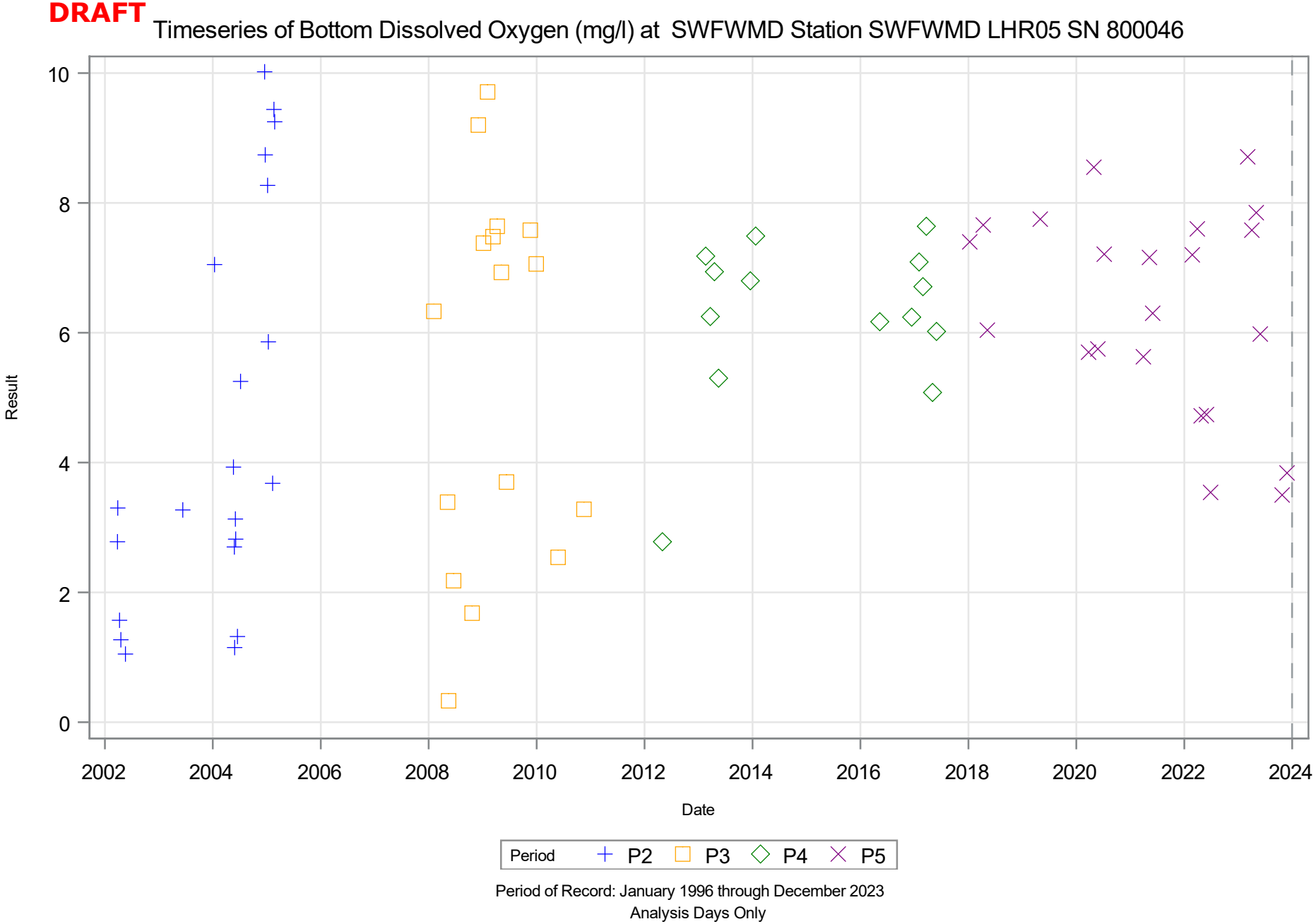
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.36	3.98	5.92	5.48	7.19	11.36
P3	15	4.04	5.05	6.88	7.36	8.37	11.36
P4	13	5.52	5.82	6.54	6.20	7.34	8.08
P5	22	5.52	6.24	6.85	6.91	7.58	7.99

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

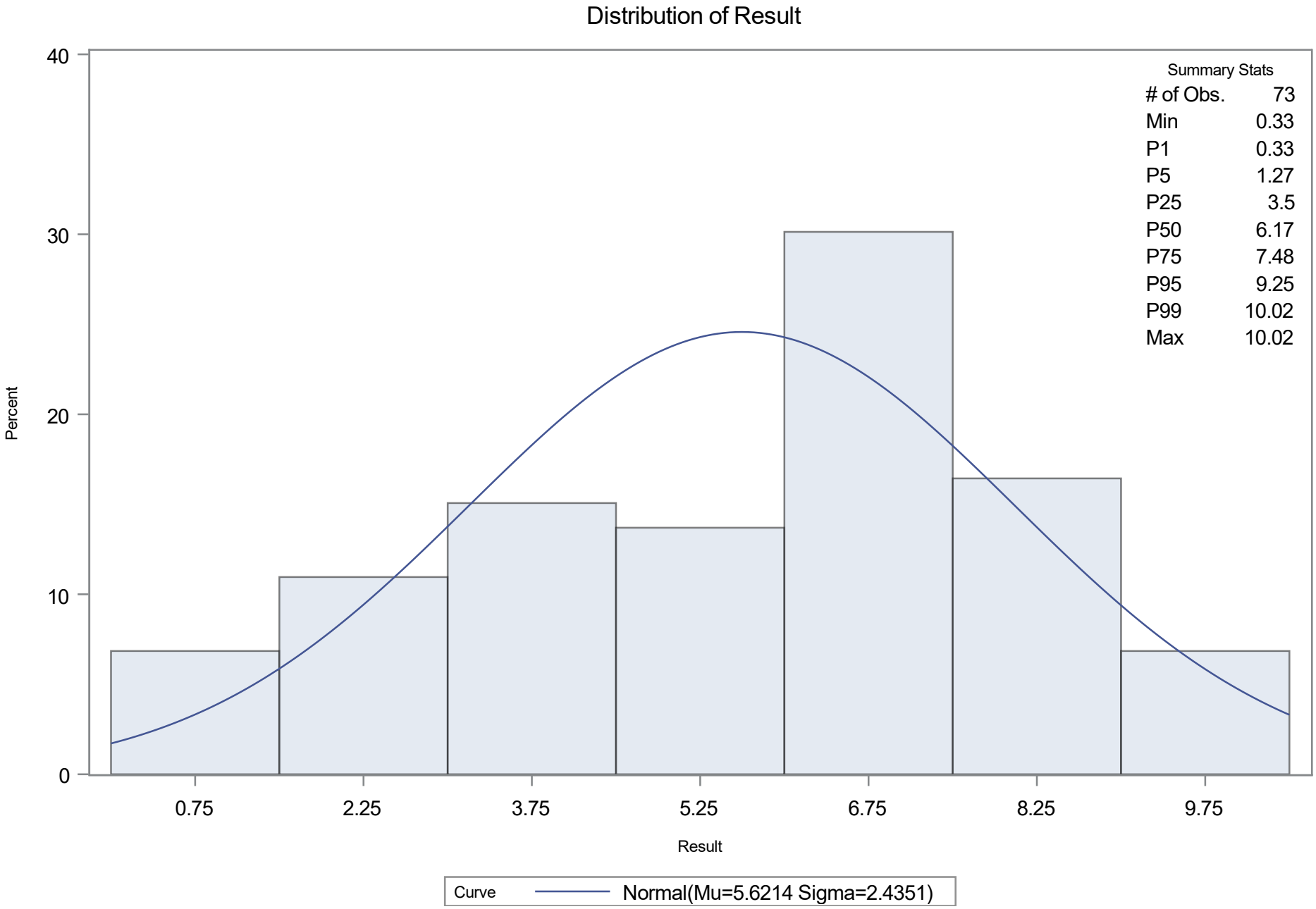

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
10
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
10
8
6
4
2
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.62137
Std Dev	Sigma	2.435095

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11546467	**Pr > D**	0.017
Cramer-von Mises	**W-Sq**	0.24614039	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.30289198	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.33000	-0.04351
5.0	1.27000	1.61600
10.0	2.18000	2.50067
25.0	3.50000	3.97892
50.0	6.17000	5.62137
75.0	7.48000	7.26382
90.0	8.55000	8.74207
95.0	9.25000	9.62674
99.0	10.02000	11.28625

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

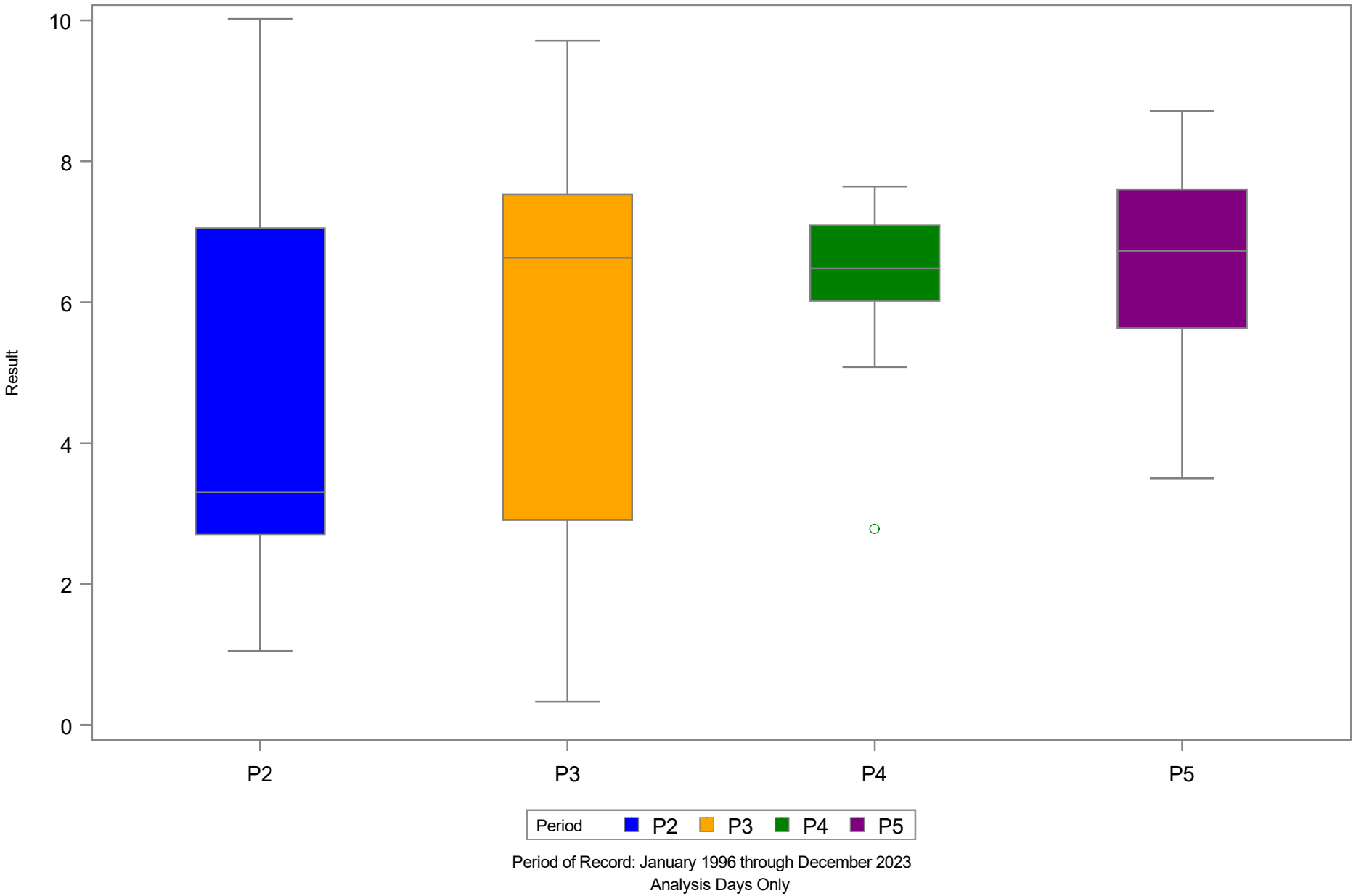
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.05	2.70	4.56	3.30	7.05	10.02
P3	16	0.33	2.91	5.40	6.63	7.53	9.71
P4	14	2.78	6.02	6.26	6.48	7.09	7.64
P5	22	3.50	5.63	6.38	6.73	7.60	8.71

Period of Record: January 1996 through December 2023
Analysis Days Only

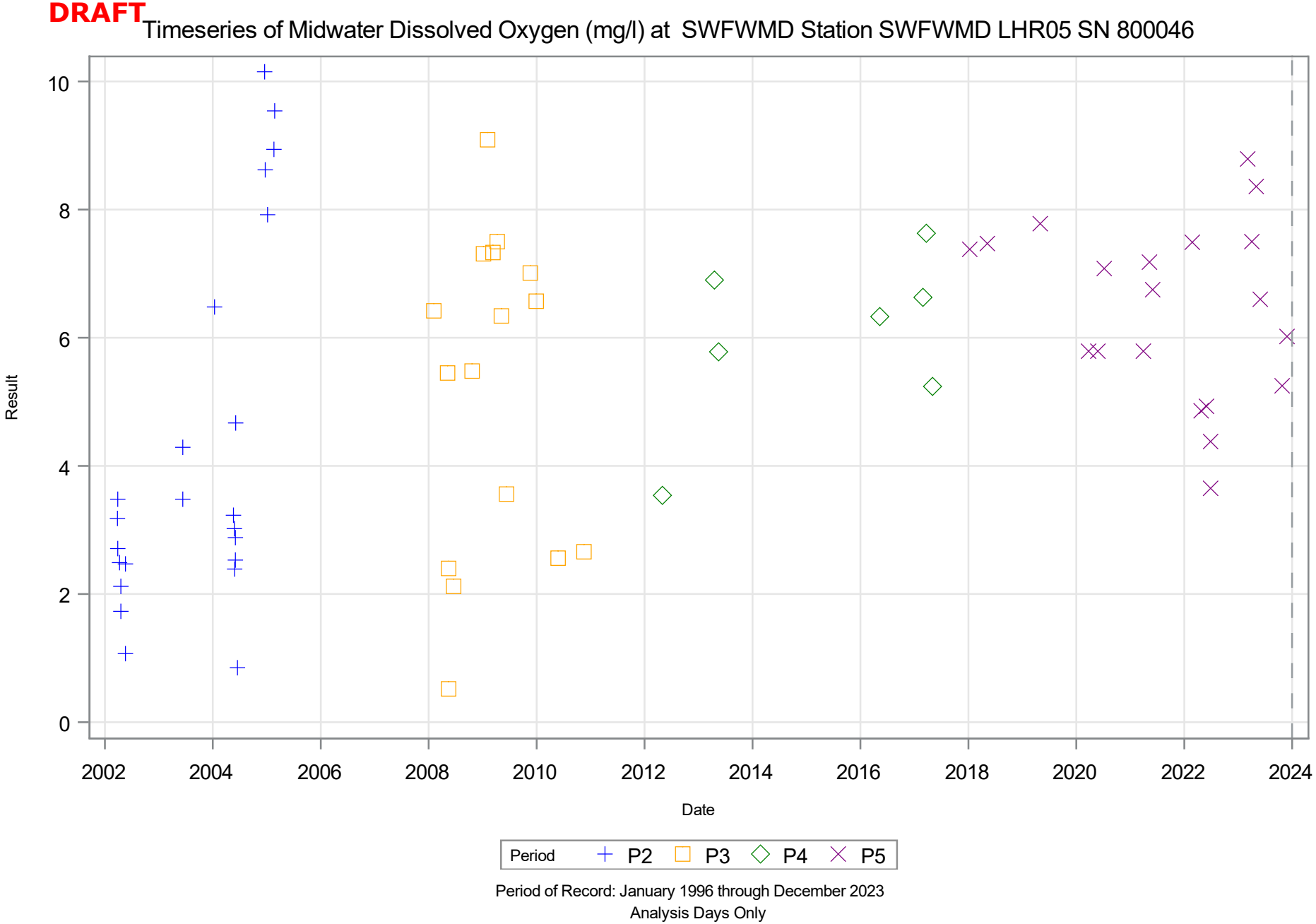
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046



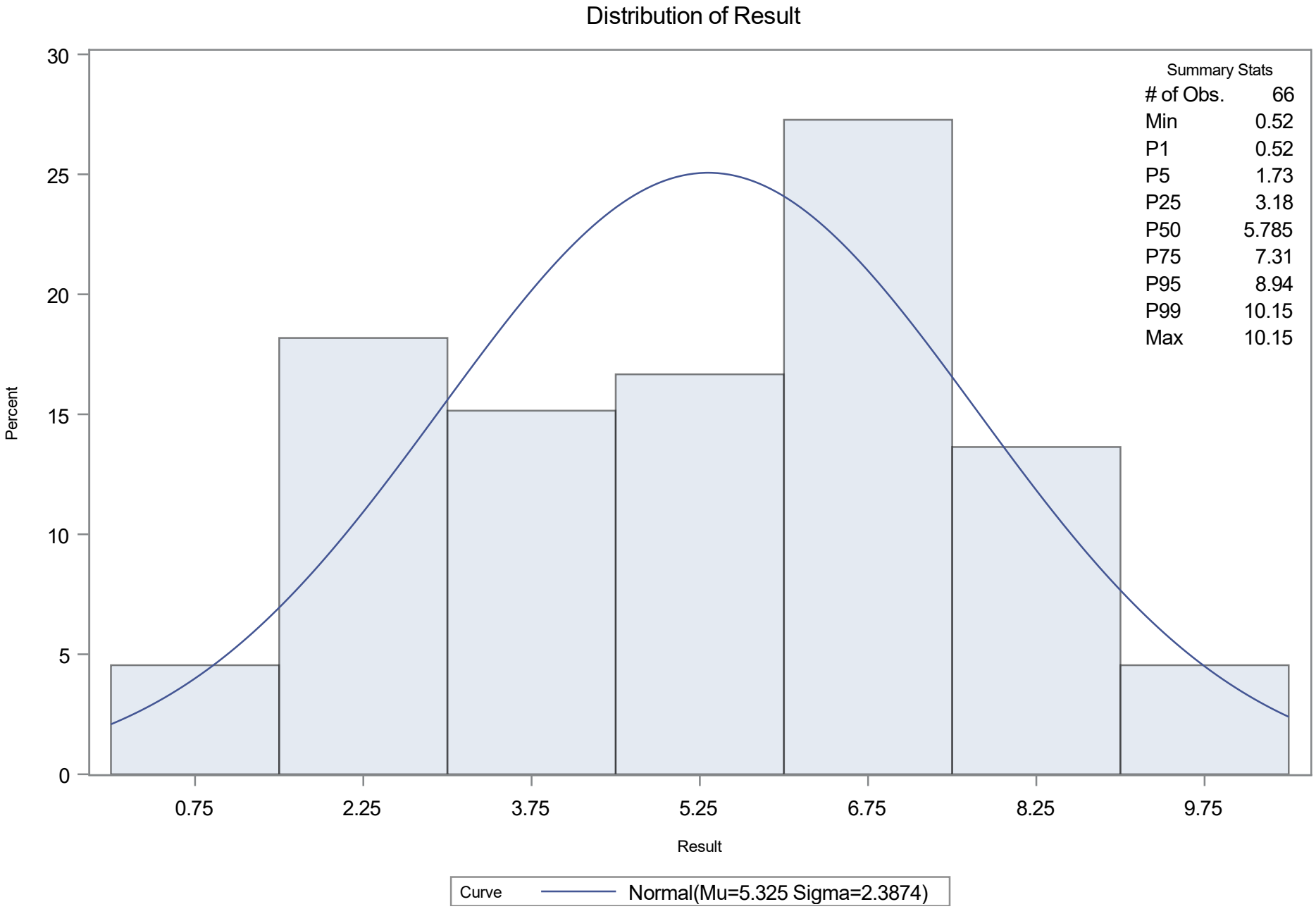
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
10
8
6
4
2
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.325
Std Dev	Sigma	2.387437

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10701714	**Pr > D**	0.060
Cramer-von Mises	**W-Sq**	0.16071294	**Pr > W-Sq**	0.018
Anderson-Darling	**A-Sq**	0.89612292	**Pr > A-Sq**	0.022

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.52000	-0.22901
5.0	1.73000	1.39802
10.0	2.39000	2.26538
25.0	3.18000	3.71470
50.0	5.78500	5.32500
75.0	7.31000	6.93530
90.0	8.36000	8.38462
95.0	8.94000	9.25198
99.0	10.15000	10.87901

Period of Record: January 1996 through December 2023
Analysis Days Only

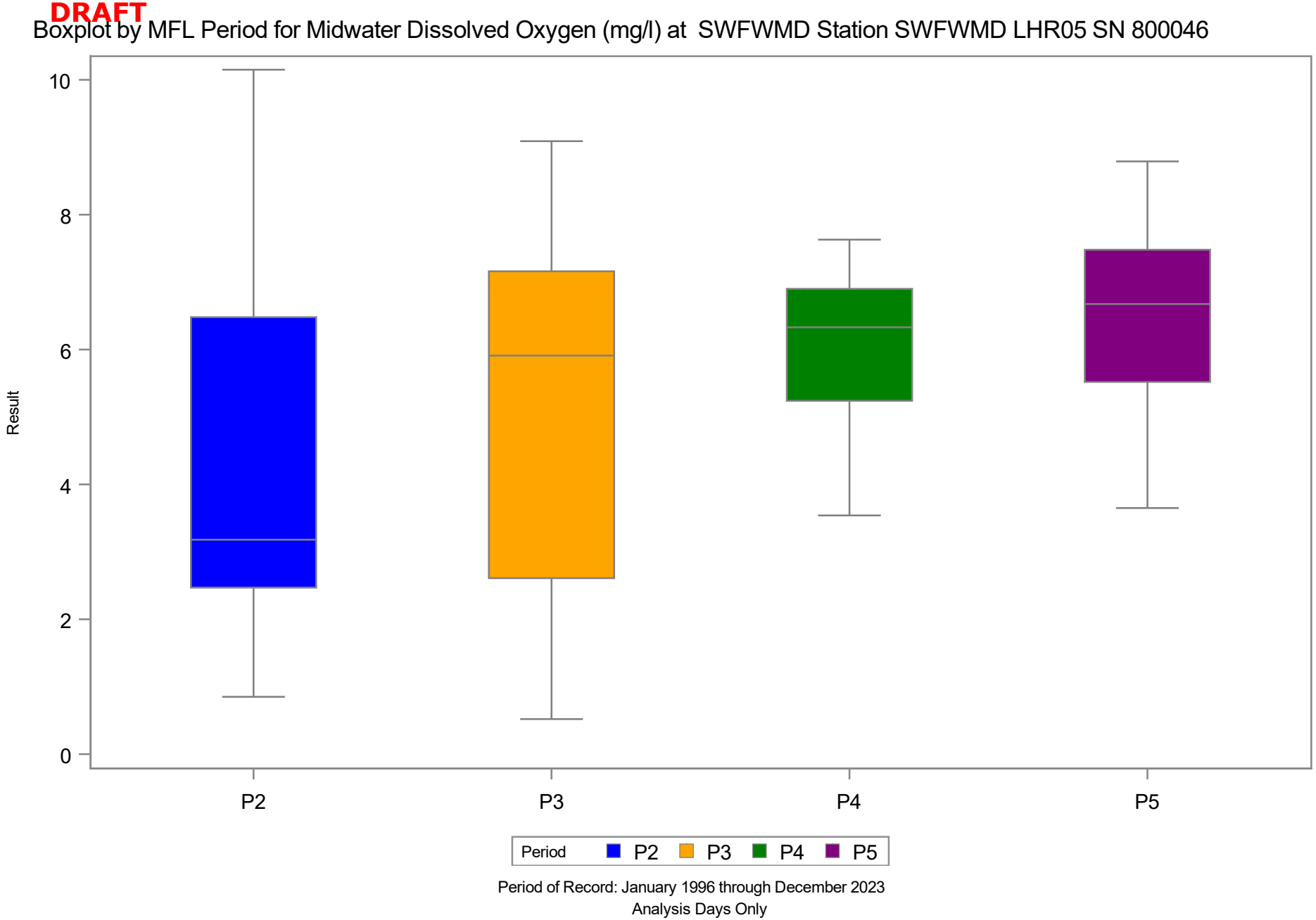
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	23	0.85	2.47	4.27	3.18	6.48	10.15
P3	16	0.52	2.61	5.15	5.91	7.16	9.09
P4	7	3.54	5.24	6.01	6.33	6.90	7.63
P5	20	3.65	5.52	6.44	6.68	7.48	8.79

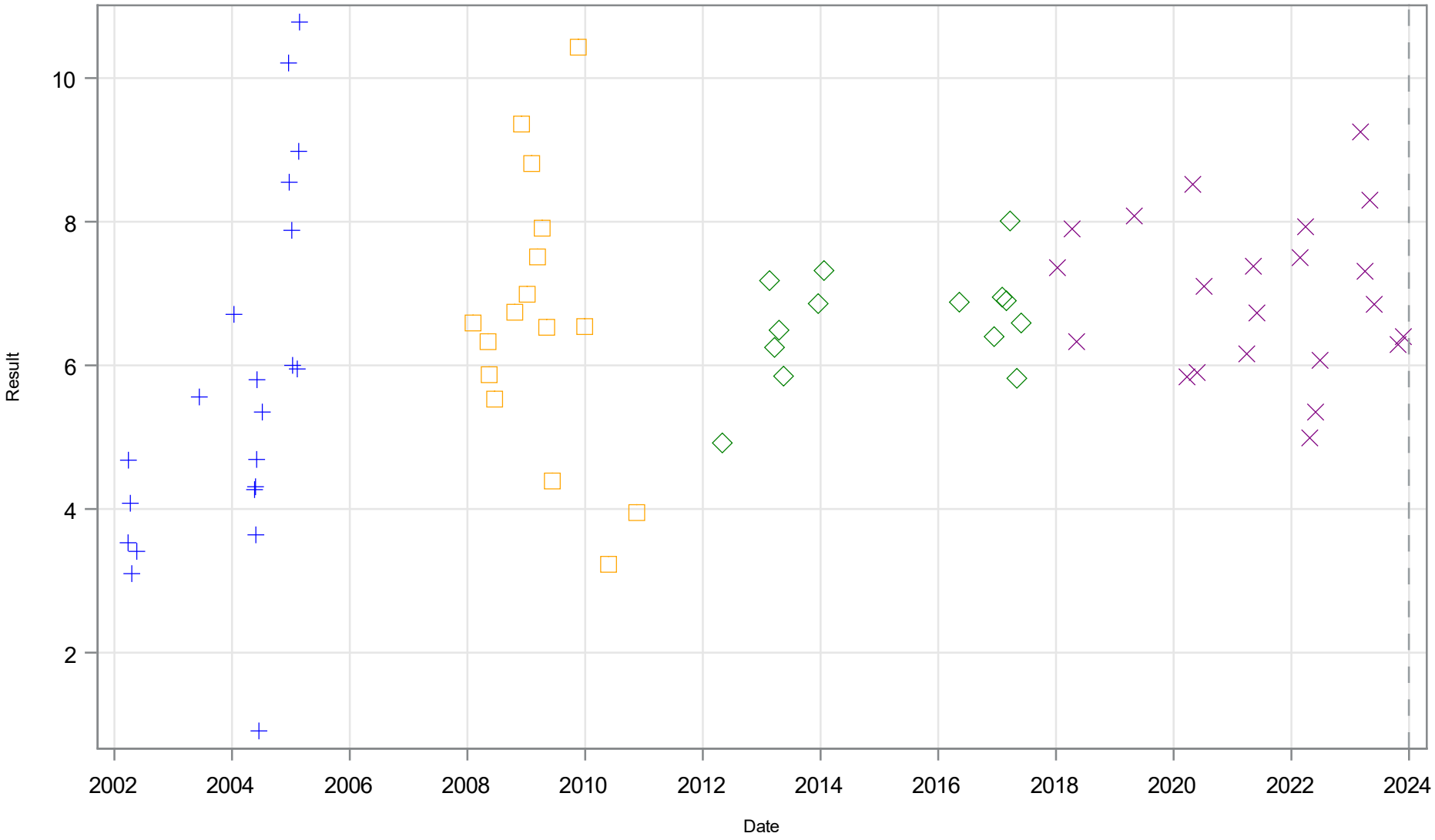
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
10
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

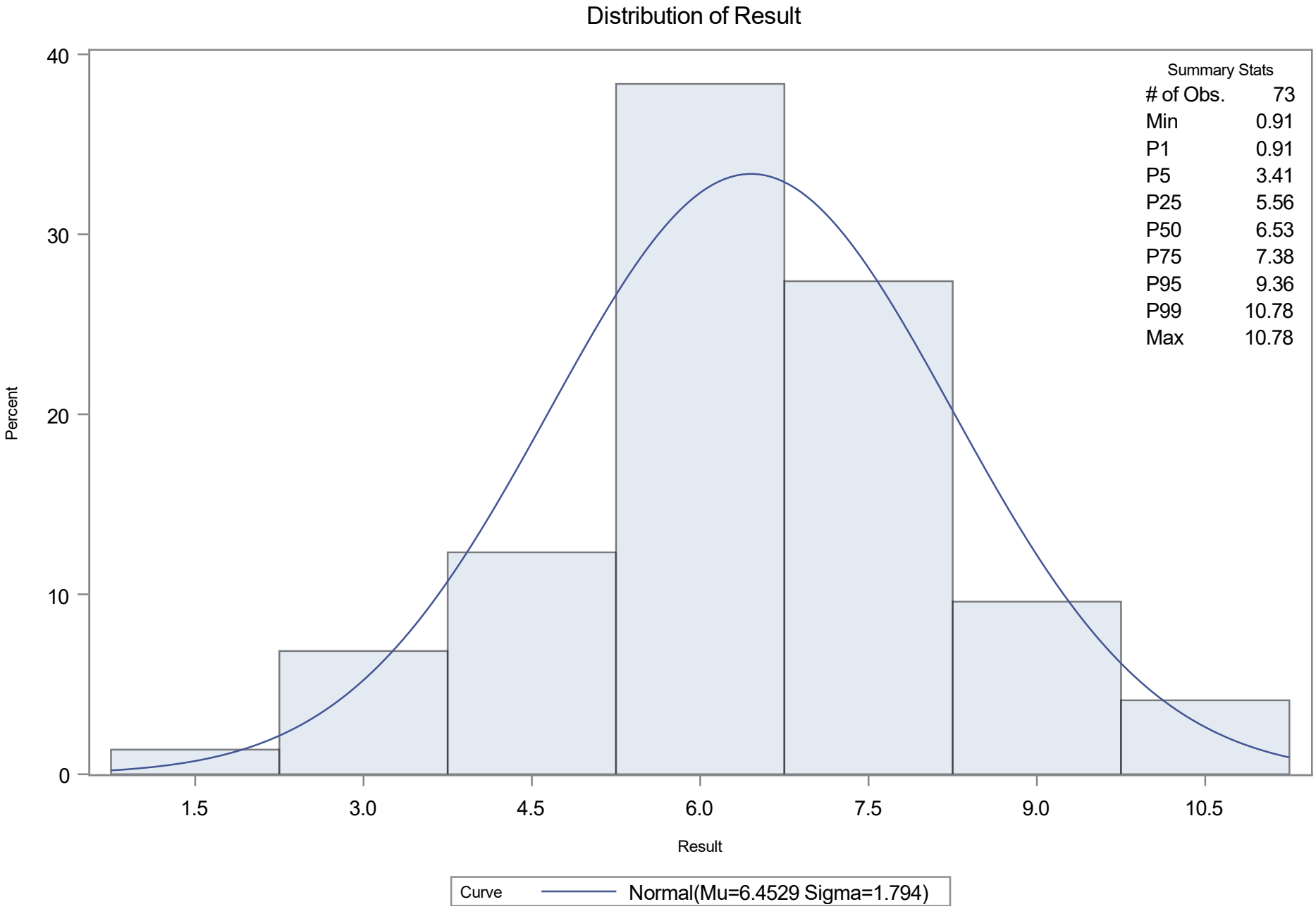
Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.452877
Std Dev	Sigma	1.79396

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09768100	**Pr > D**	0.084
Cramer-von Mises	**W-Sq**	0.08415908	**Pr > W-Sq**	0.187
Anderson-Darling	**A-Sq**	0.44732109	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.91000	2.27950
5.0	3.41000	3.50207
10.0	4.08000	4.15382
25.0	5.56000	5.24287
50.0	6.53000	6.45288
75.0	7.38000	7.66288
90.0	8.55000	8.75193
95.0	9.36000	9.40368
99.0	10.78000	10.62625

Period of Record: January 1996 through December 2023
Analysis Days Only

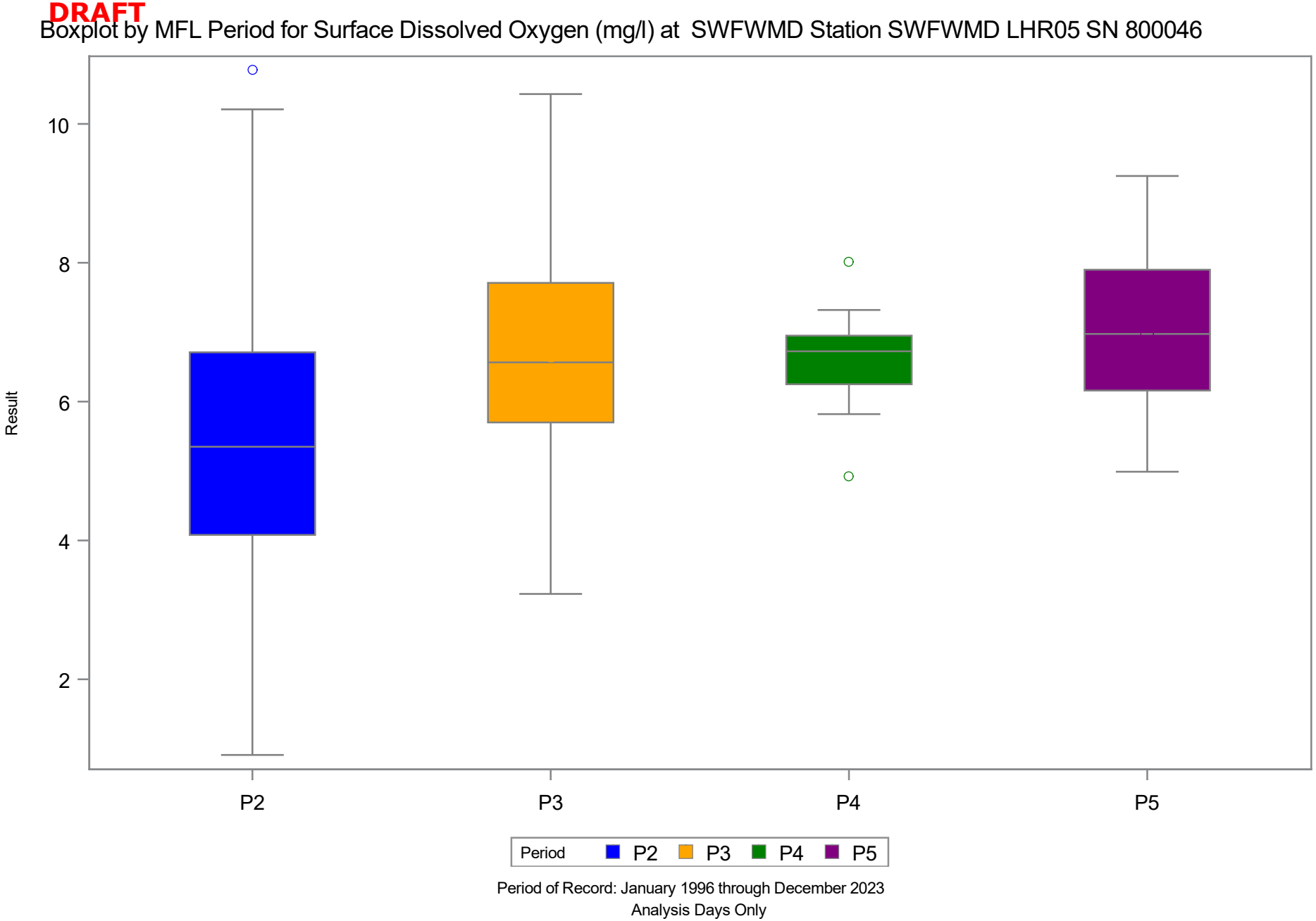
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046

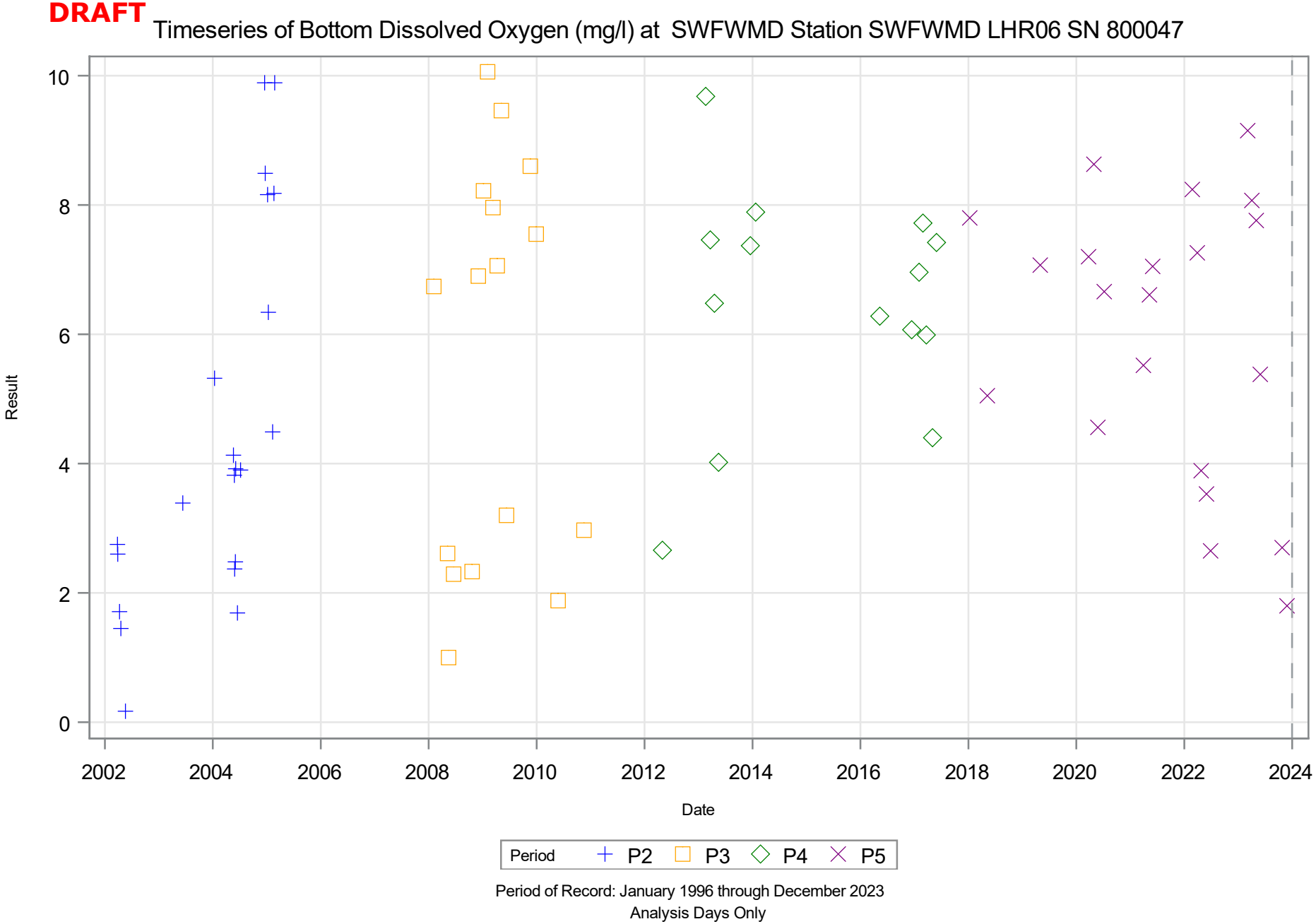
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.91	4.08	5.64	5.35	6.71	10.78
P3	16	3.23	5.70	6.67	6.57	7.71	10.43
P4	14	4.92	6.25	6.60	6.73	6.95	8.01
P5	22	4.99	6.16	6.98	6.98	7.90	9.25

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

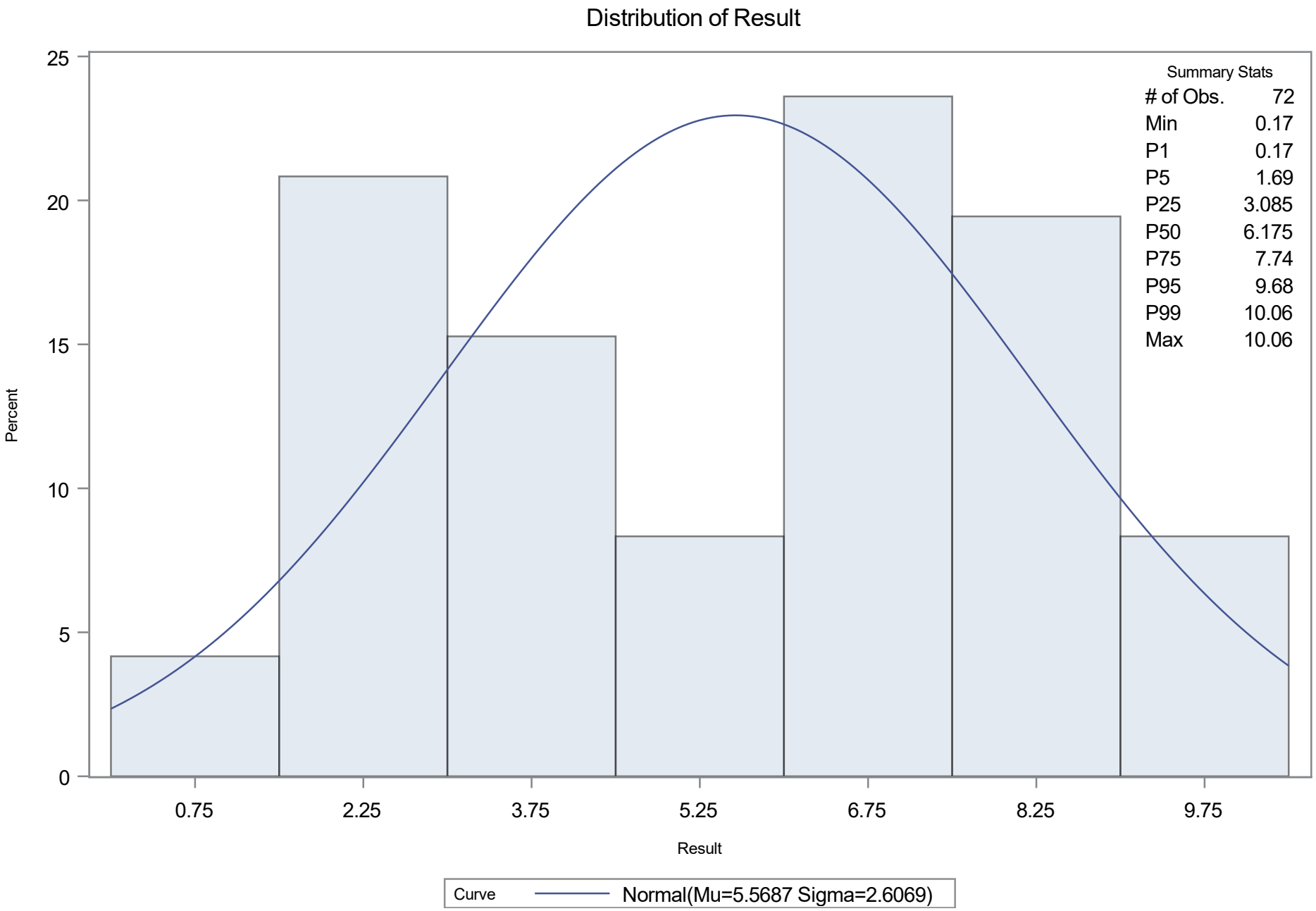

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
10
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
0
2
4
6
8
10
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.56875
Std Dev	Sigma	2.606942

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11353937	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.24231946	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.34219631	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.17000	-0.49590
5.0	1.69000	1.28071
10.0	2.29000	2.22782
25.0	3.08500	3.81039
50.0	6.17500	5.56875
75.0	7.74000	7.32711
90.0	8.60000	8.90968
95.0	9.68000	9.85679
99.0	10.06000	11.63340

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

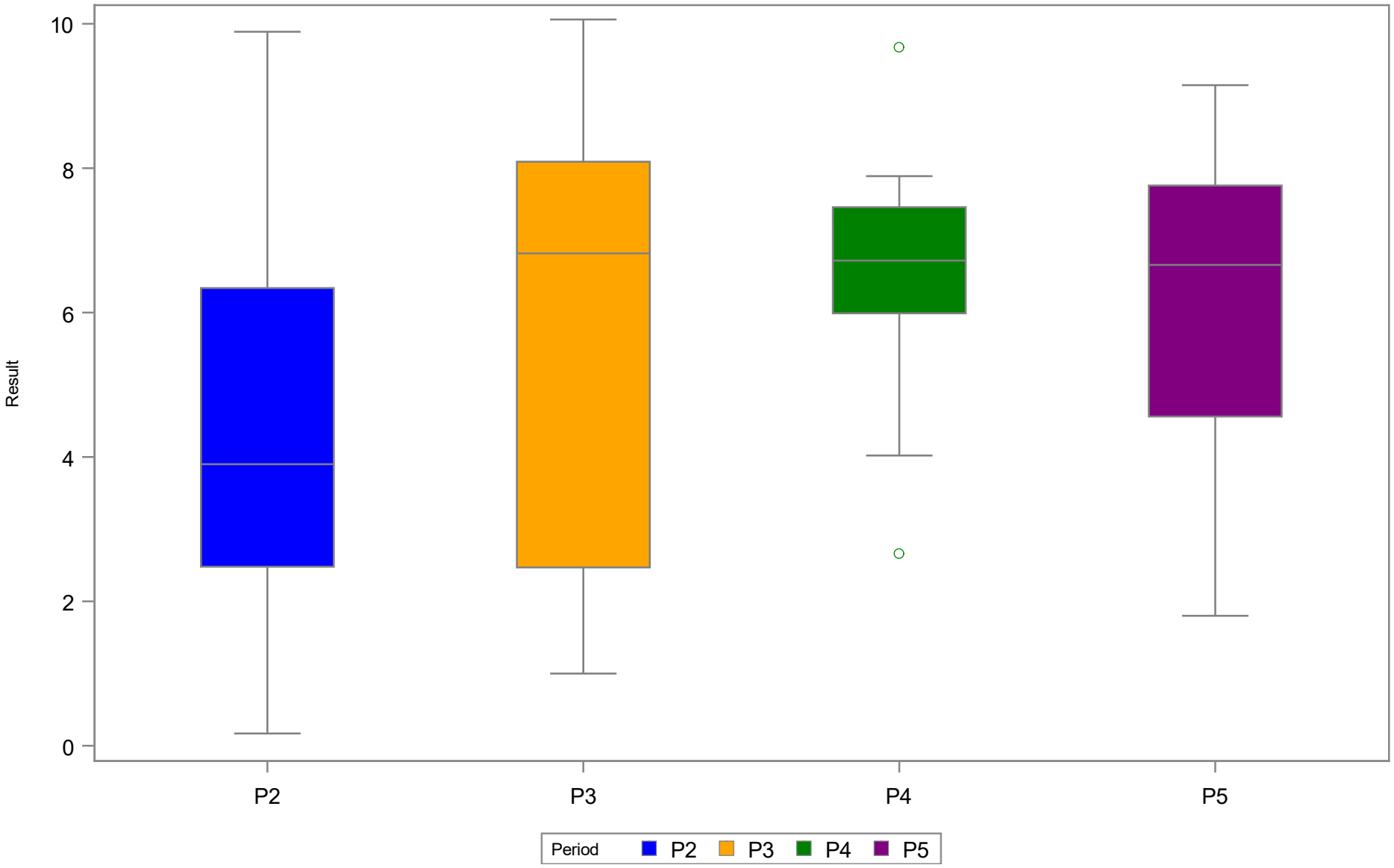
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.17	2.48	4.53	3.90	6.34	9.89
P3	16	1.00	2.47	5.55	6.82	8.09	10.06
P4	14	2.66	5.99	6.46	6.72	7.46	9.68
P5	21	1.80	4.56	6.03	6.66	7.76	9.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

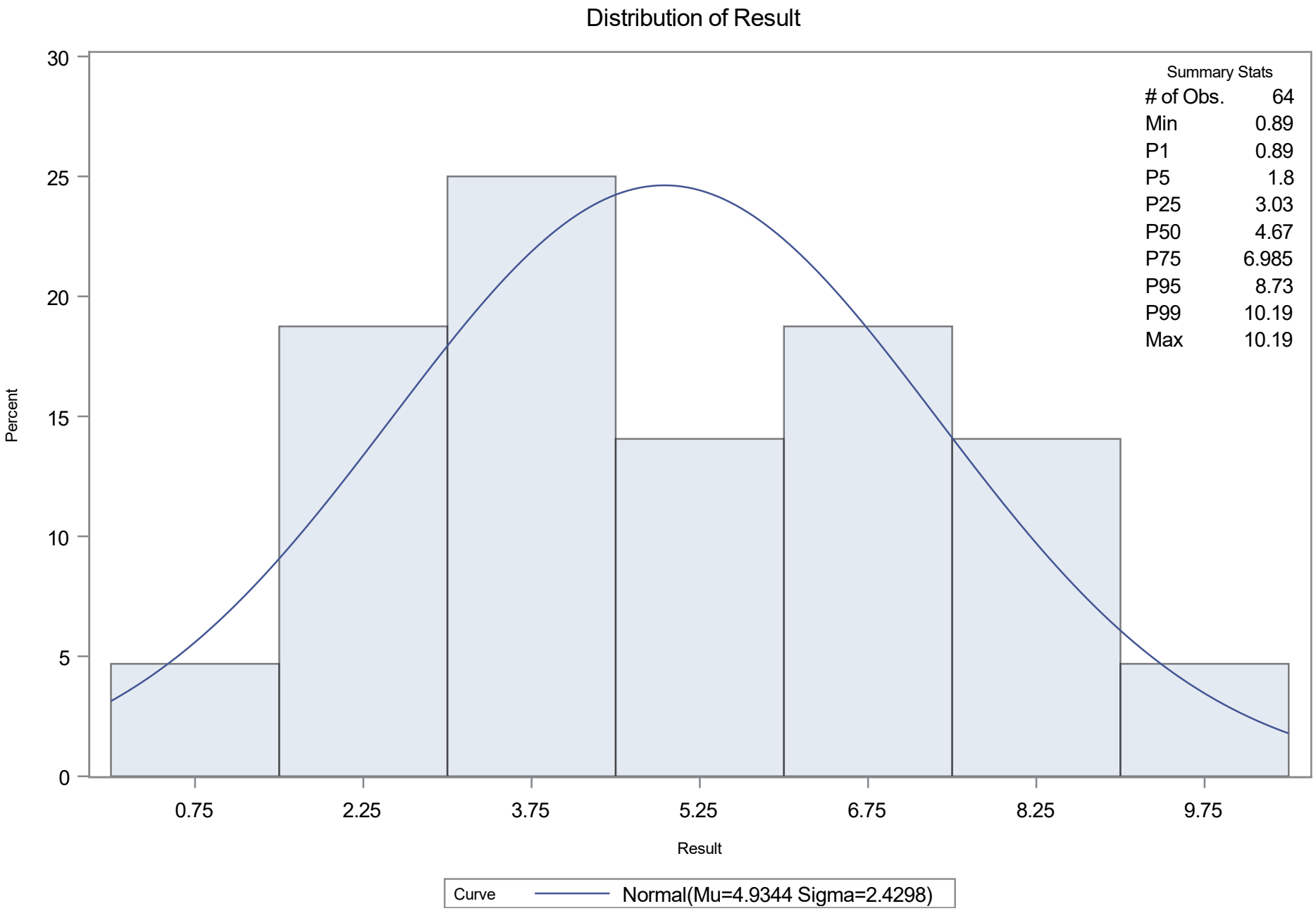
DRAFT

Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.934375
Std Dev	Sigma	2.429766

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11615607	**Pr > D**	0.031
Cramer-von Mises	**W-Sq**	0.17654605	**Pr > W-Sq**	0.010
Anderson-Darling	**A-Sq**	0.99313528	**Pr > A-Sq**	0.013

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.89000	-0.71811
5.0	1.80000	0.93776
10.0	2.03000	1.82050
25.0	3.03000	3.29552
50.0	4.67000	4.93437
75.0	6.98500	6.57323
90.0	8.05000	8.04825
95.0	8.73000	8.93099
99.0	10.19000	10.58686

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

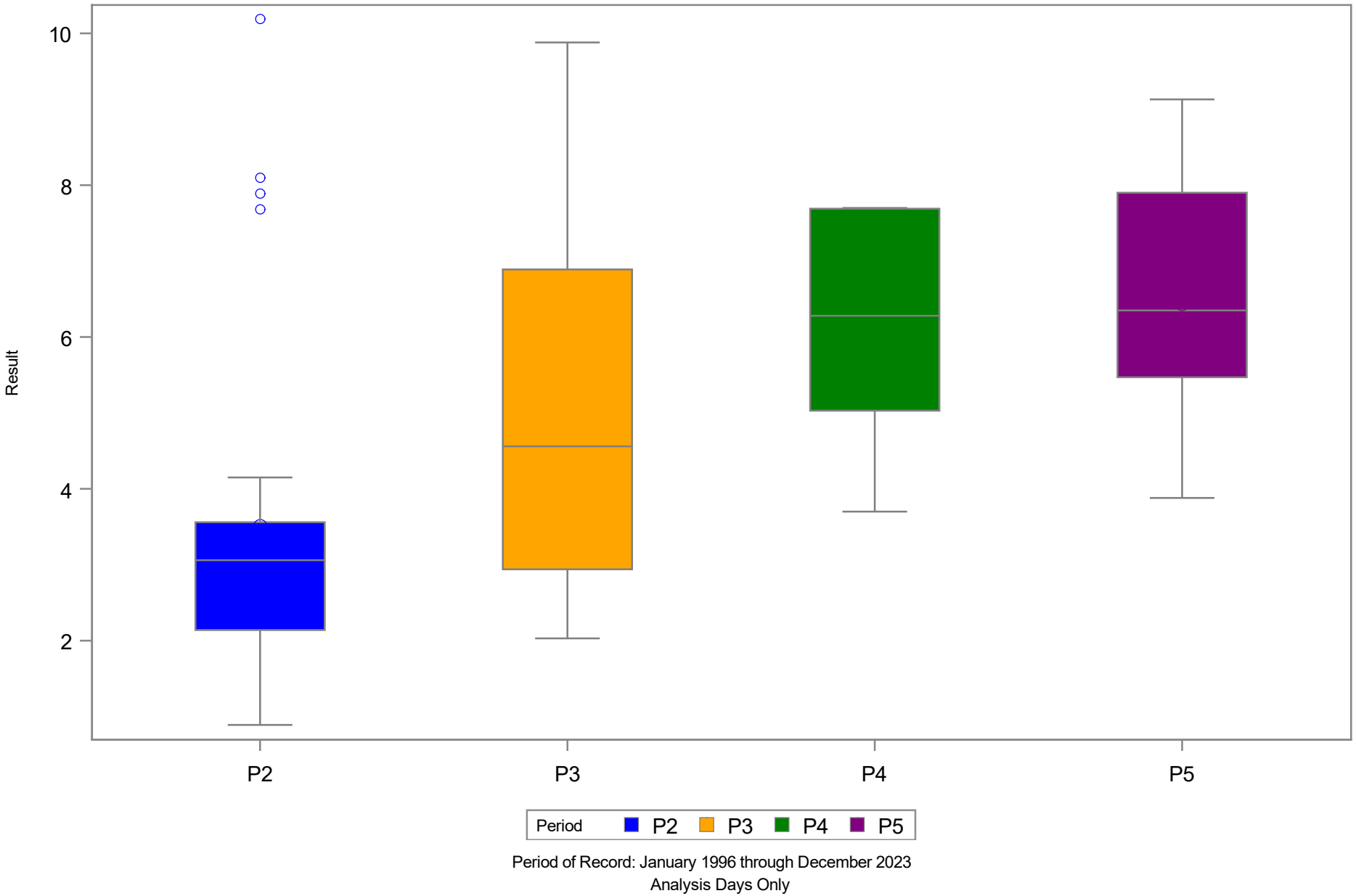
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.89	2.14	3.51	3.06	3.56	10.19
P3	14	2.03	2.94	5.01	4.56	6.89	9.88
P4	7	3.70	5.03	6.03	6.28	7.69	7.70
P5	18	3.88	5.47	6.43	6.35	7.90	9.13

Period of Record: January 1996 through December 2023
Analysis Days Only

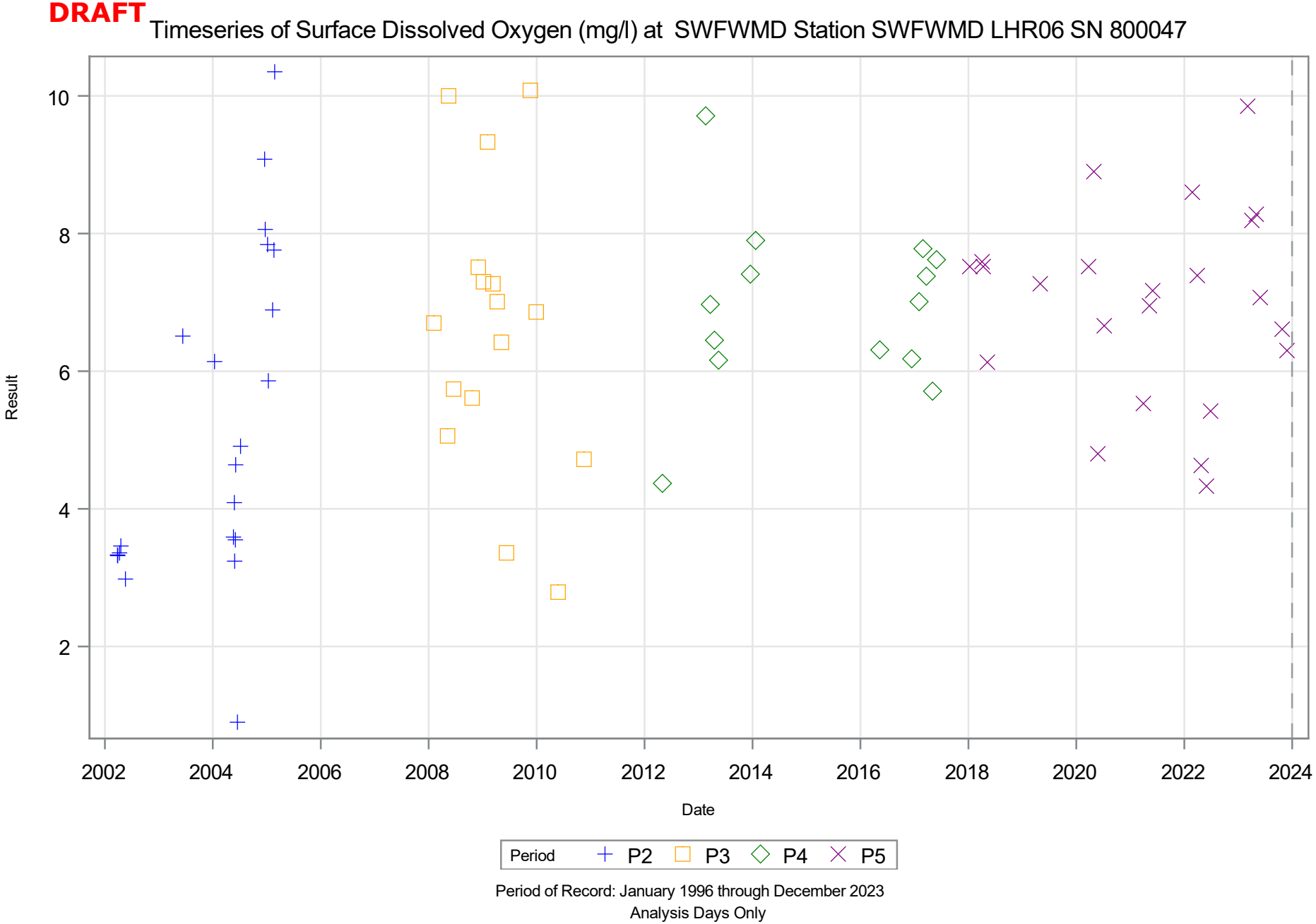
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047



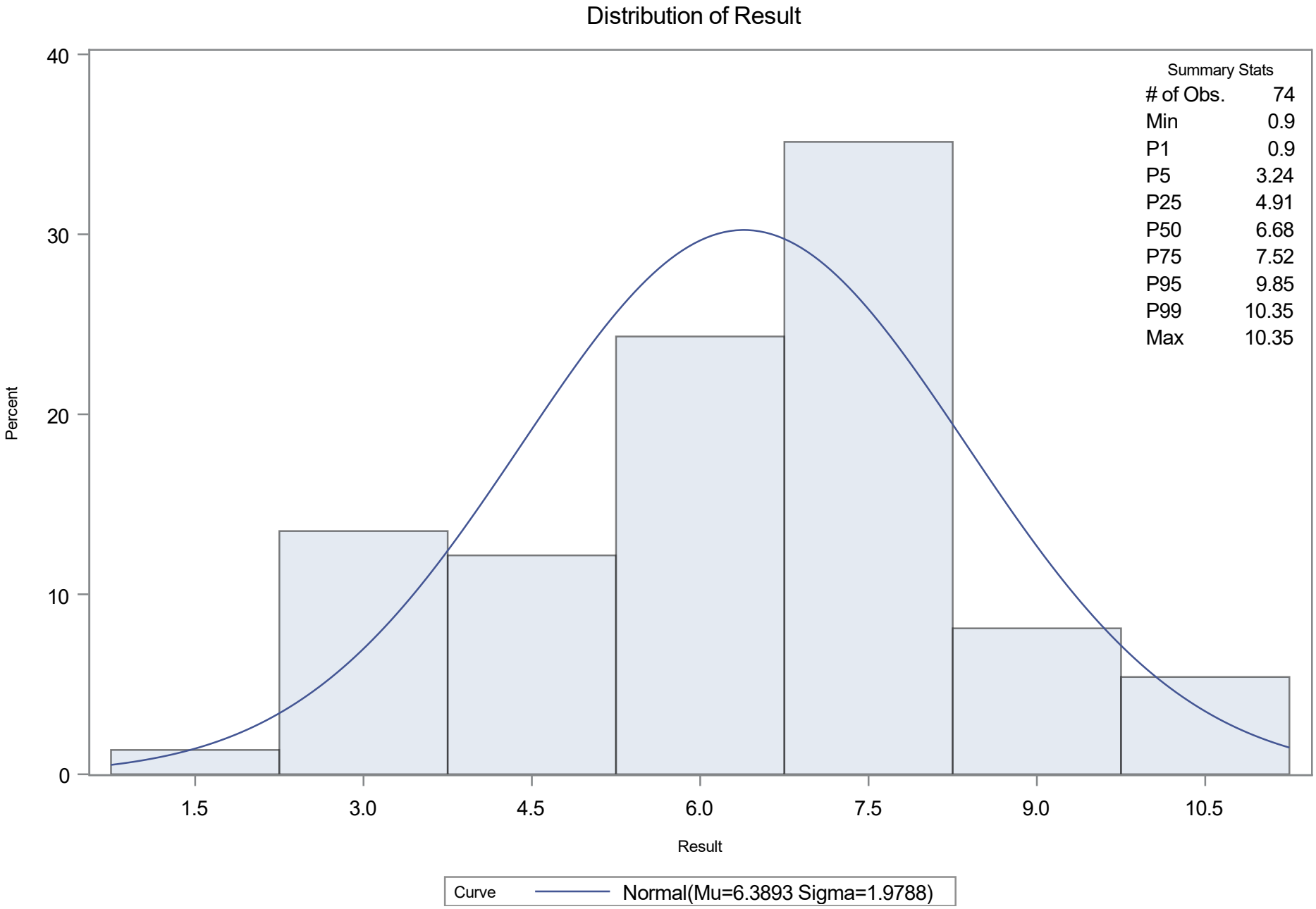
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
10
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.389324
Std Dev	Sigma	1.978829

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09651676	**Pr > D**	0.087
Cramer-von Mises	**W-Sq**	0.12822625	**Pr > W-Sq**	0.046
Anderson-Darling	**A-Sq**	0.72186541	**Pr > A-Sq**	0.059

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.90000	1.78588
5.0	3.24000	3.13444
10.0	3.36000	3.85335
25.0	4.91000	5.05462
50.0	6.68000	6.38932
75.0	7.52000	7.72402
90.0	8.90000	8.92530
95.0	9.85000	9.64421
99.0	10.35000	10.99277

Period of Record: January 1996 through December 2023
Analysis Days Only

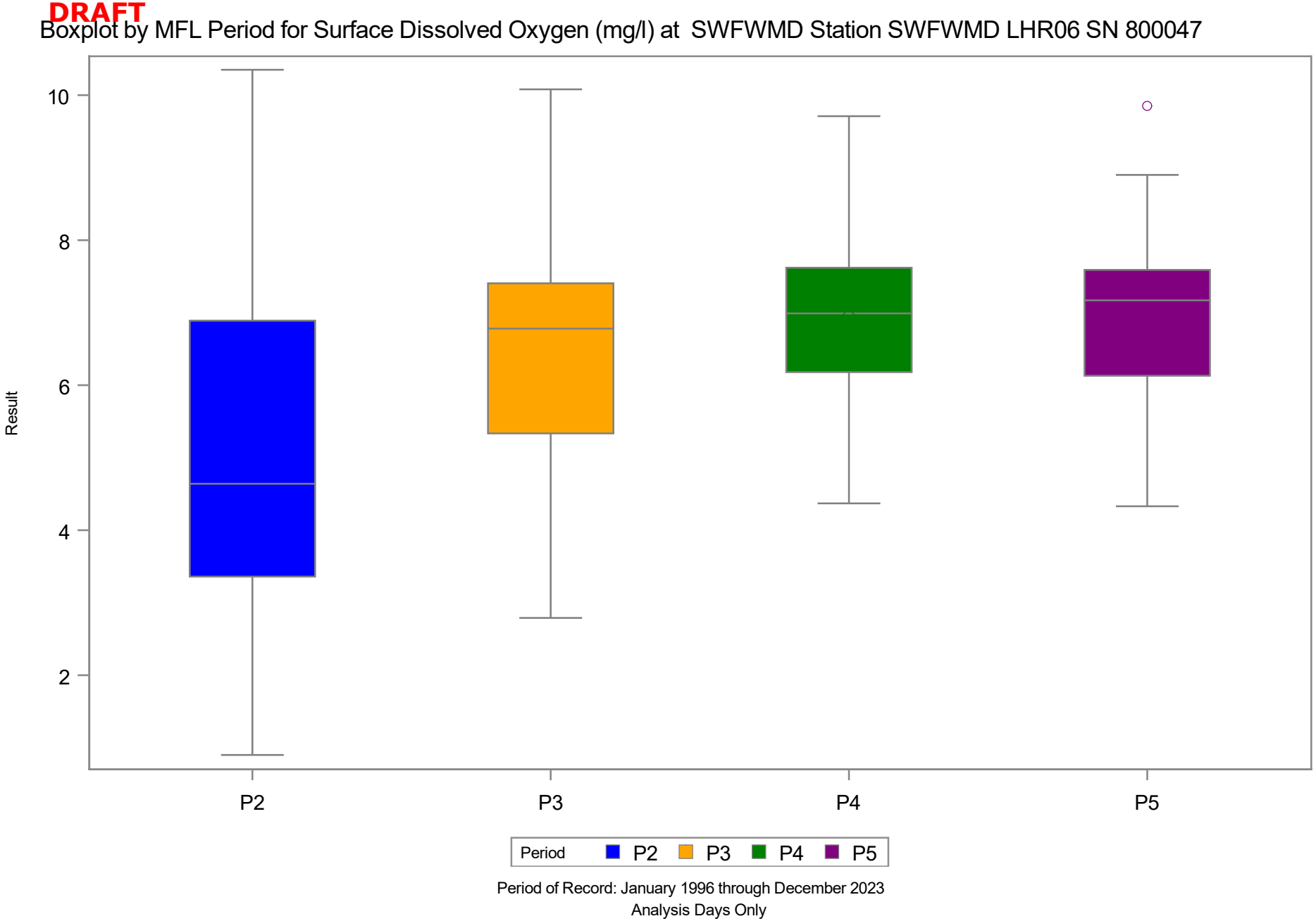
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.90	3.36	5.23	4.64	6.89	10.35
P3	16	2.79	5.34	6.61	6.78	7.41	10.08
P4	14	4.37	6.18	6.93	6.99	7.62	9.71
P5	23	4.33	6.13	6.97	7.17	7.59	9.85

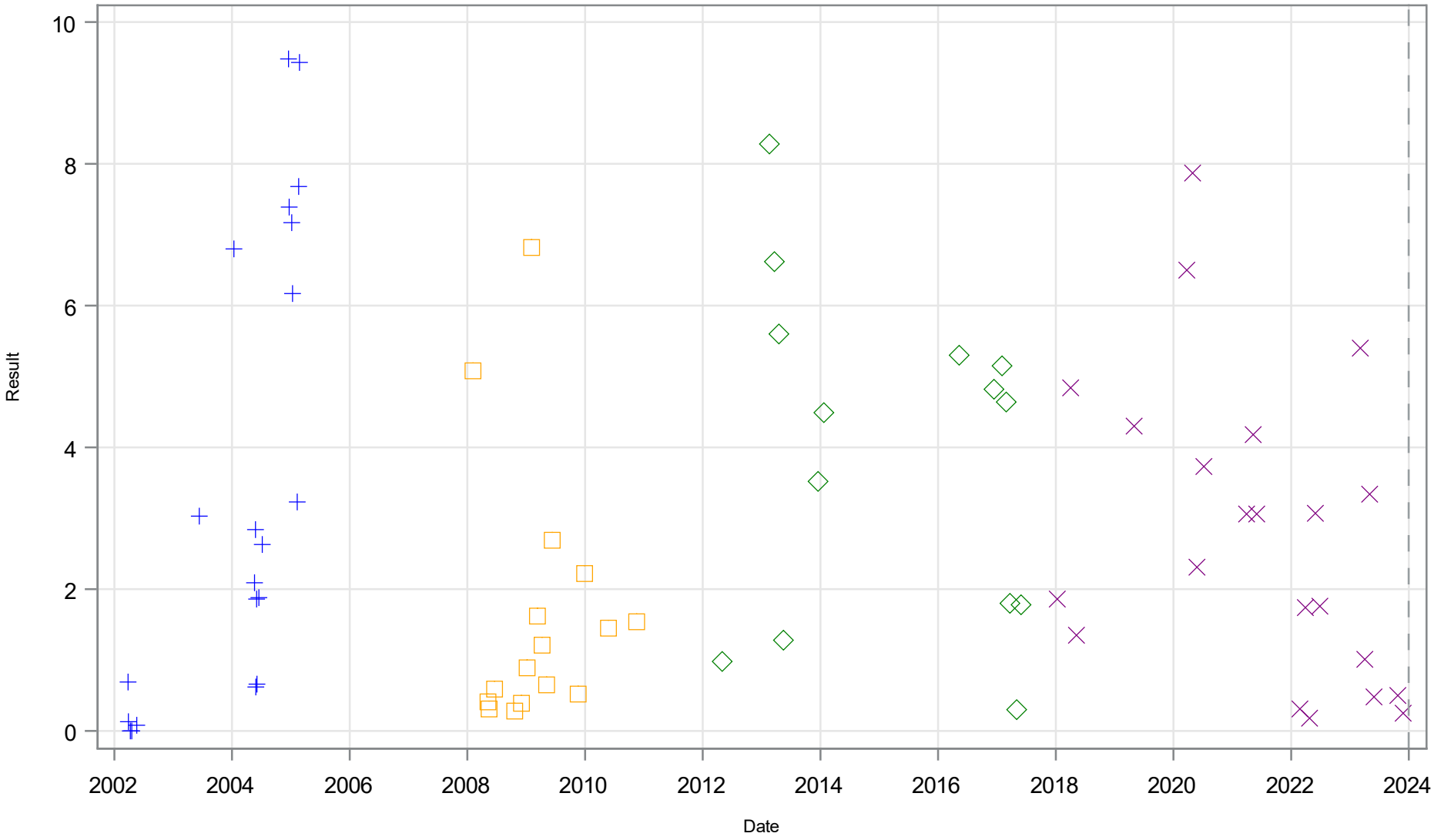
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
10
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

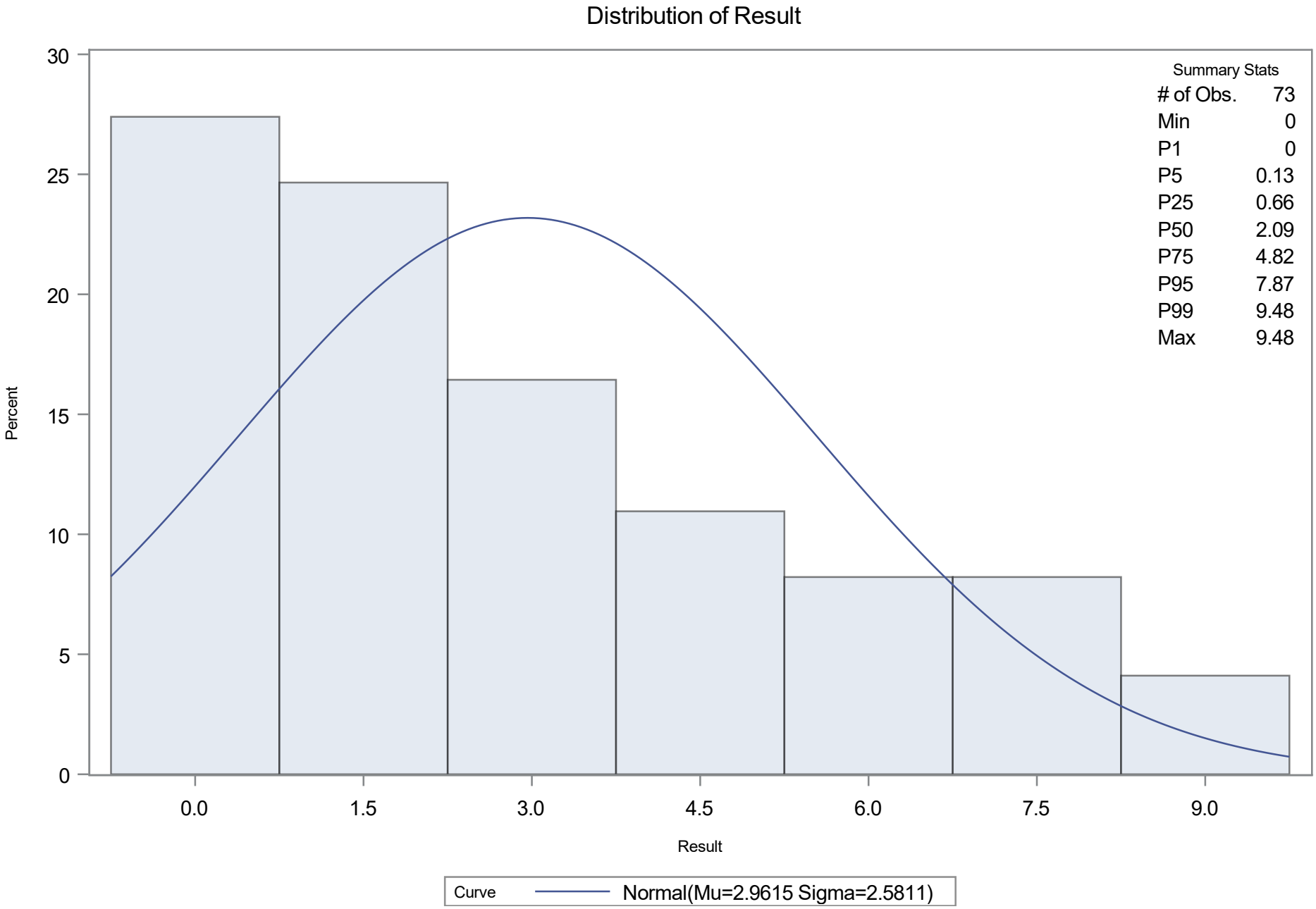
Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.961507
Std Dev	Sigma	2.581091

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15554681	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.39032299	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.38520523	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-3.04301
5.0	0.13000	-1.28401
10.0	0.30000	-0.34629
25.0	0.66000	1.22059
50.0	2.09000	2.96151
75.0	4.82000	4.70243
90.0	6.82000	6.26931
95.0	7.87000	7.20702
99.0	9.48000	8.96602

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

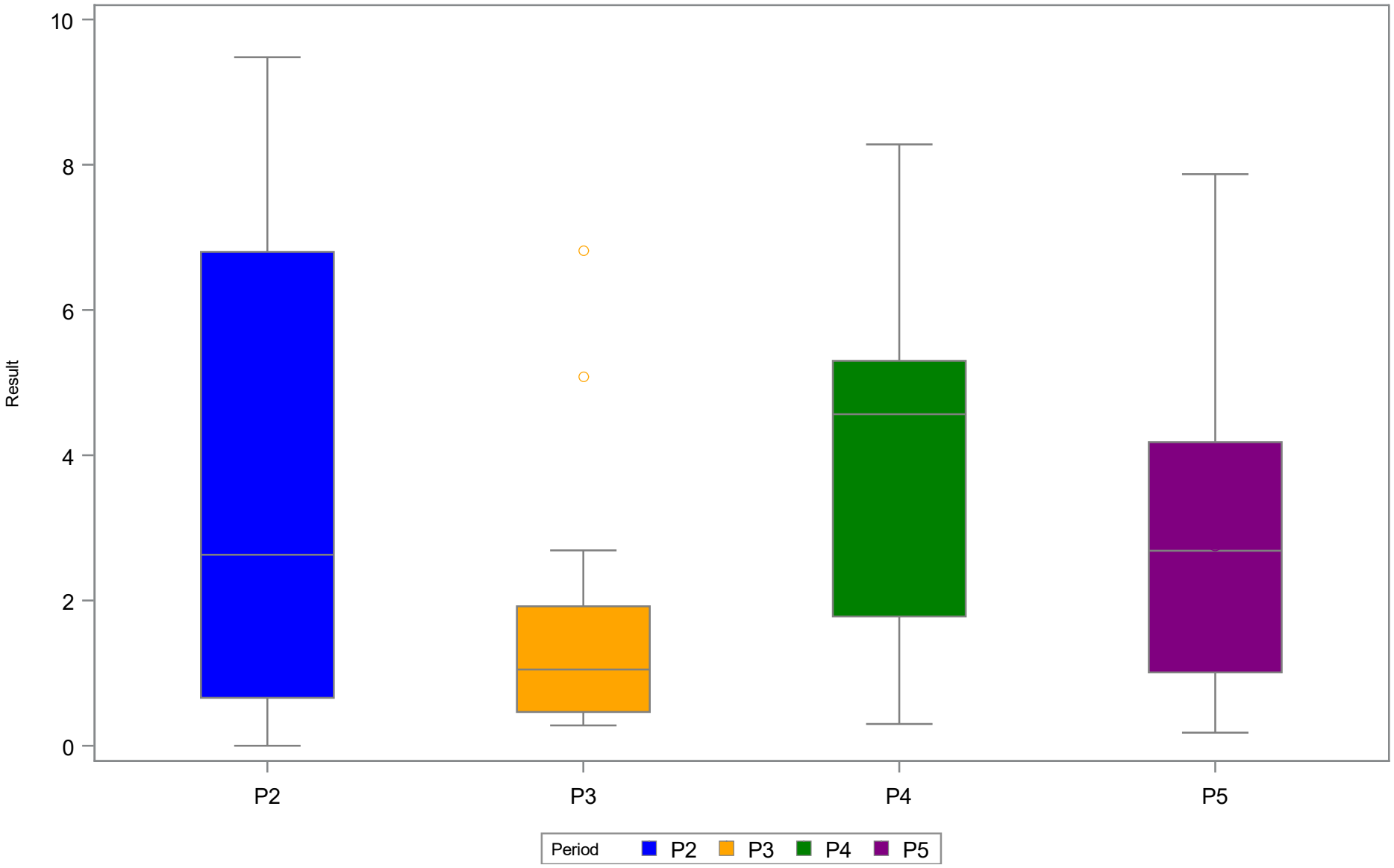
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.66	3.52	2.63	6.80	9.48
P3	16	0.28	0.47	1.67	1.05	1.92	6.82
P4	14	0.30	1.78	3.90	4.57	5.30	8.28
P5	22	0.18	1.01	2.78	2.69	4.18	7.87

Period of Record: January 1996 through December 2023
Analysis Days Only

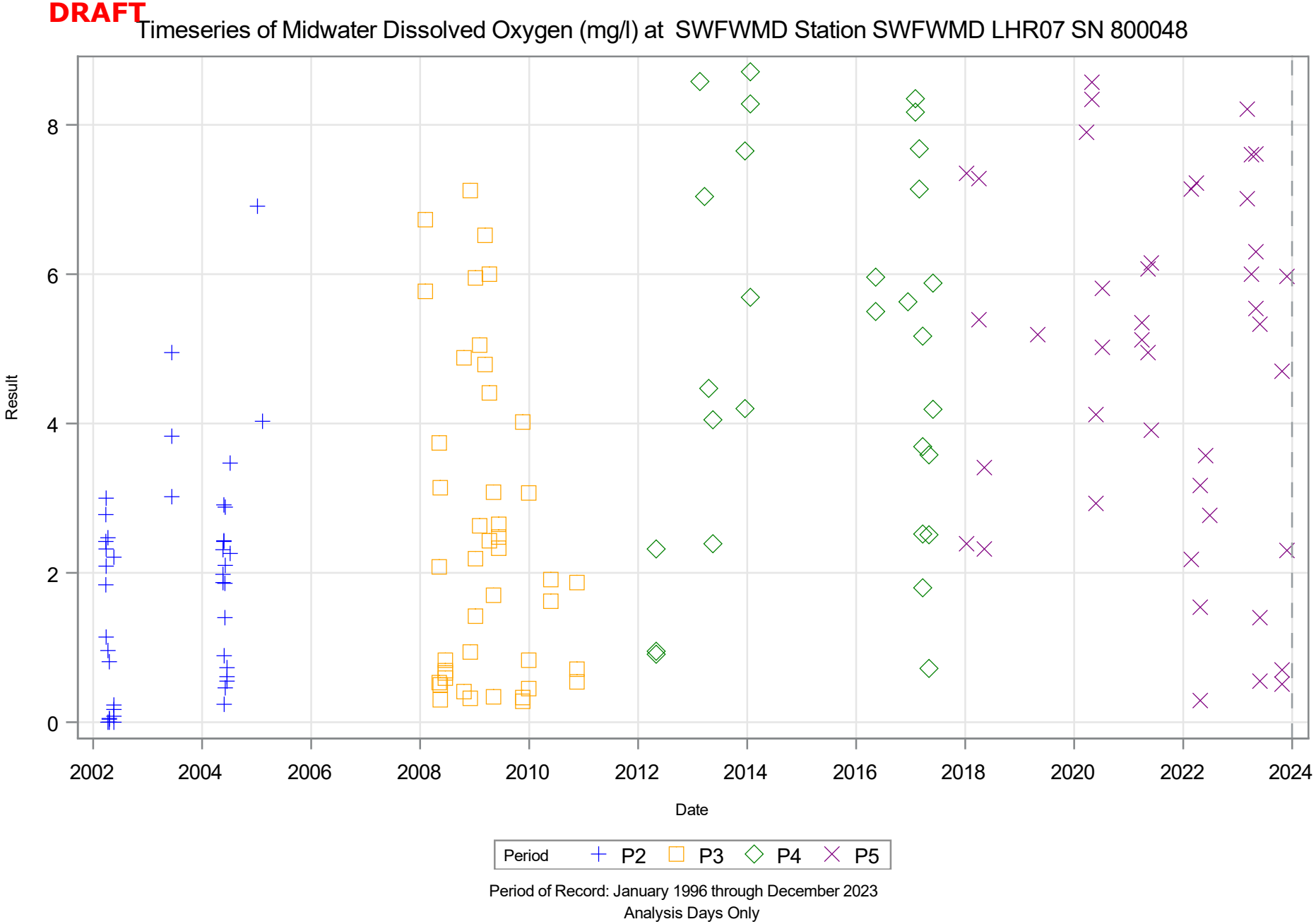
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048



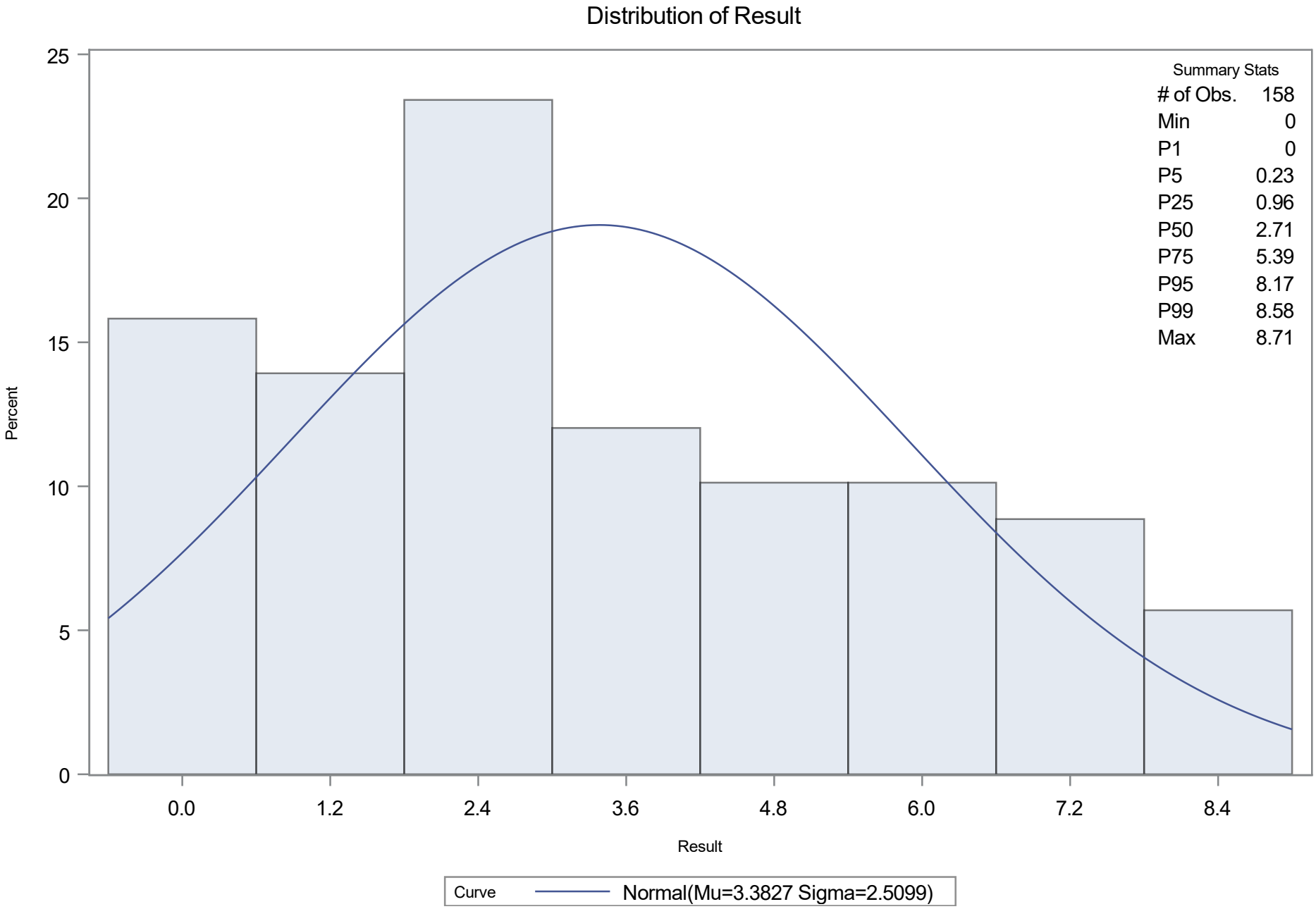
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.382658
Std Dev	Sigma	2.509939

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12180463	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.51174453	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.25730484	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-2.45633
5.0	0.23000	-0.74582
10.0	0.41000	0.16604
25.0	0.96000	1.68973
50.0	2.71000	3.38266
75.0	5.39000	5.07559
90.0	7.22000	6.59927
95.0	8.17000	7.51114
99.0	8.58000	9.22165

Period of Record: January 1996 through December 2023
Analysis Days Only

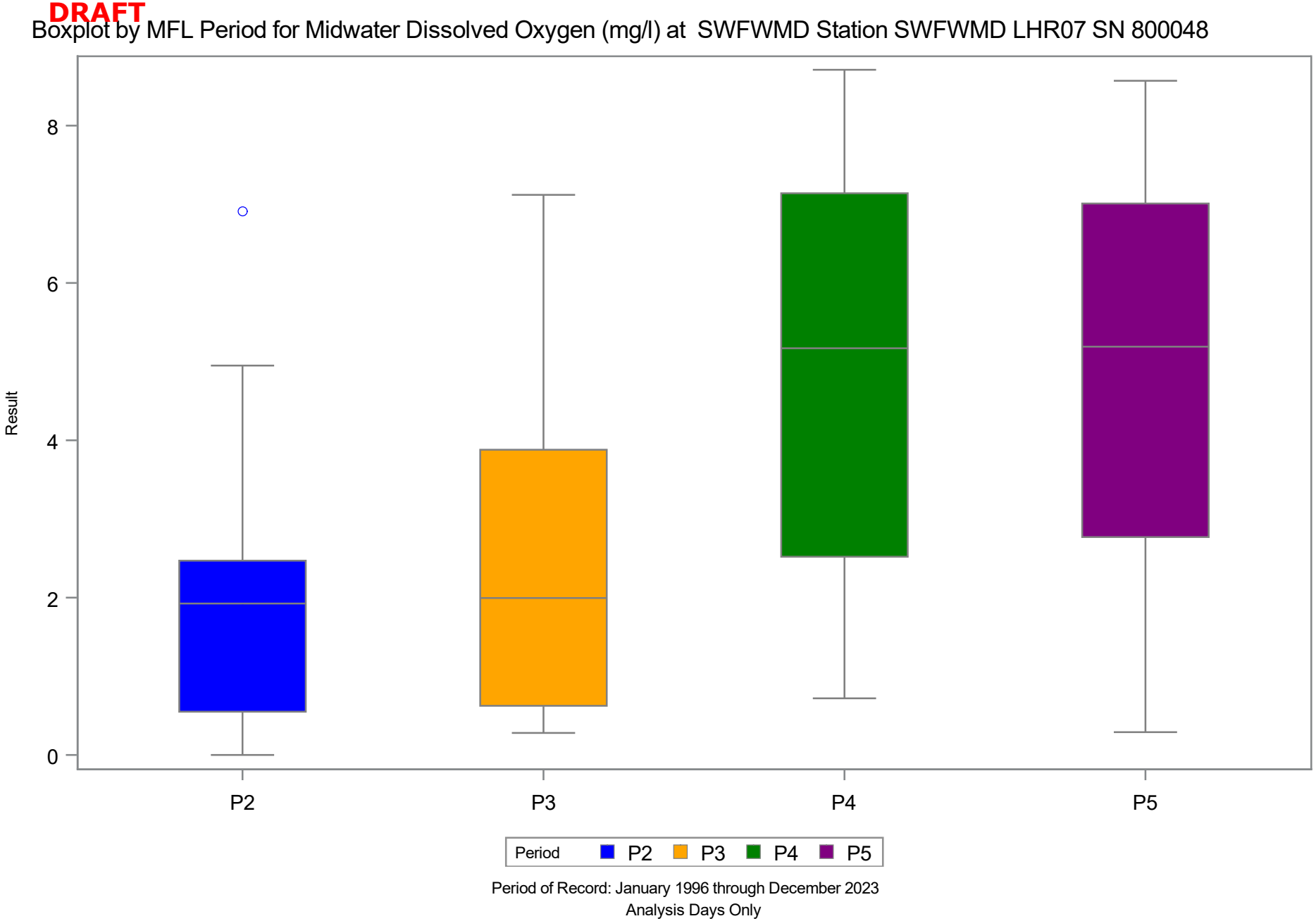
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048

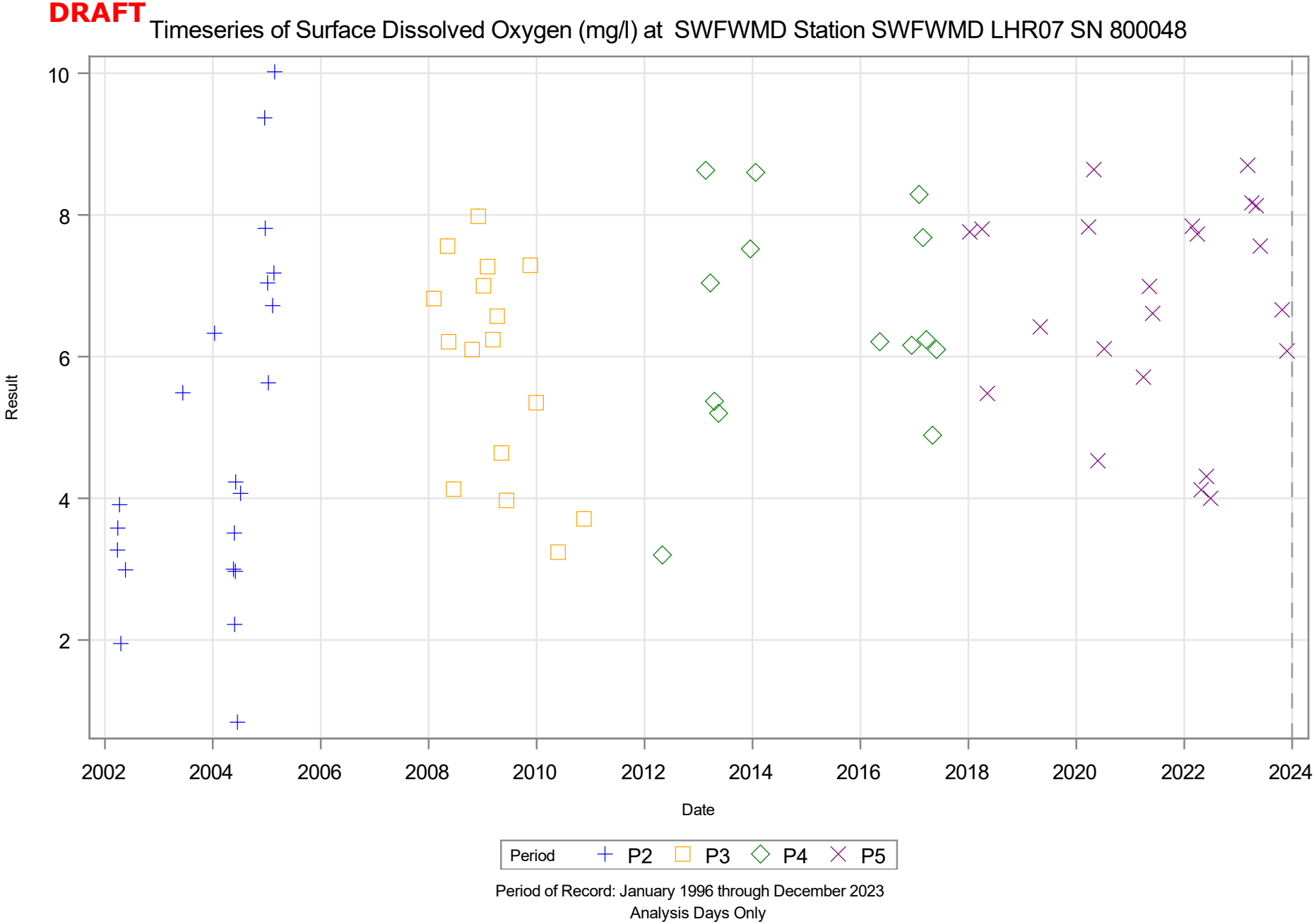
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	42	0.00	0.55	1.83	1.93	2.47	6.91
P3	44	0.28	0.63	2.47	2.00	3.88	7.12
P4	29	0.72	2.52	4.96	5.17	7.14	8.71
P5	43	0.29	2.77	4.77	5.19	7.01	8.57

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

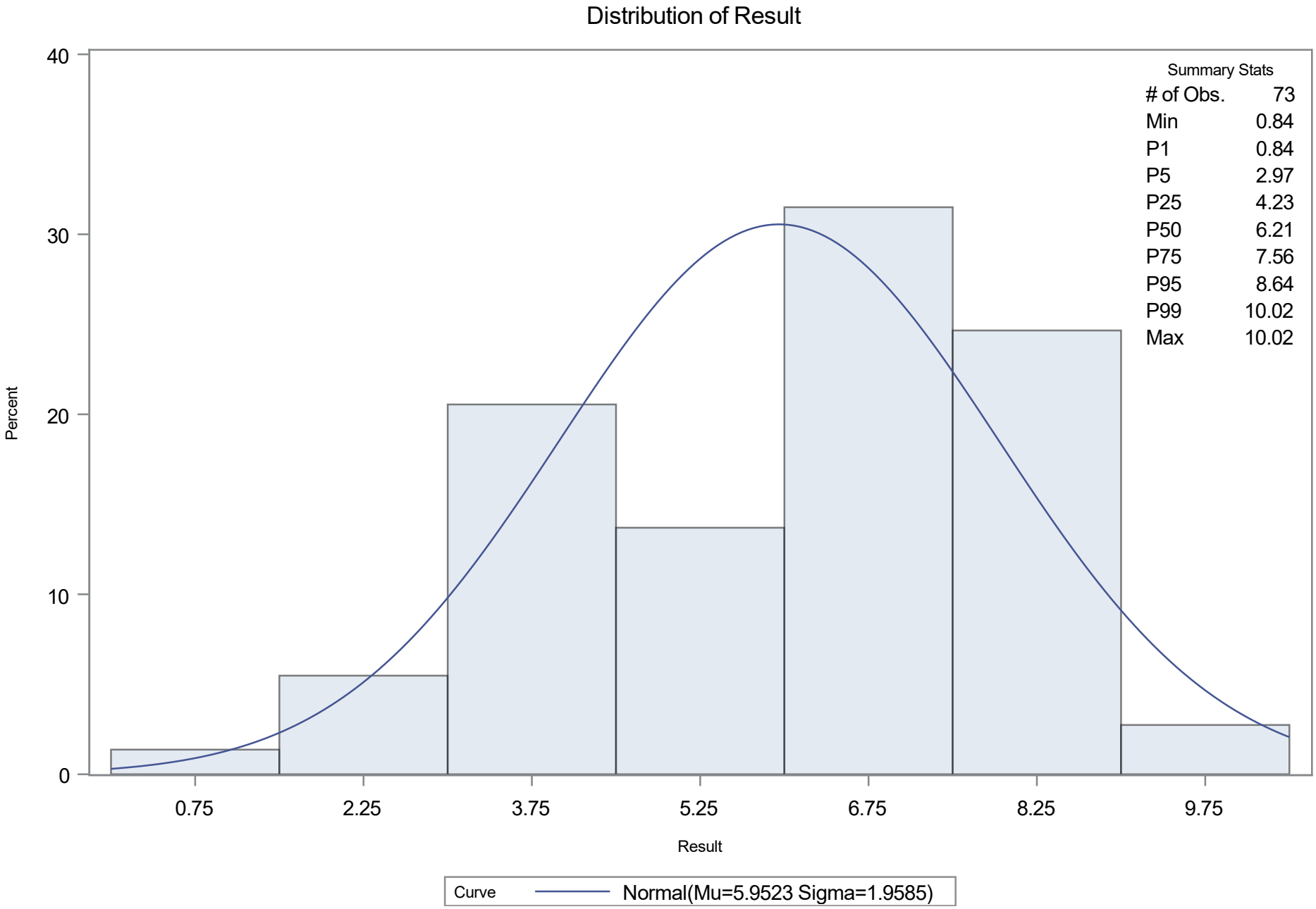

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
10
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.952329
Std Dev	Sigma	1.958544

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11502846	**Pr > D**	0.018
Cramer-von Mises	**W-Sq**	0.13576712	**Pr > W-Sq**	0.038
Anderson-Darling	**A-Sq**	0.75774982	**Pr > A-Sq**	0.047

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.84000	1.39607
5.0	2.97000	2.73081
10.0	3.24000	3.44235
25.0	4.23000	4.63131
50.0	6.21000	5.95233
75.0	7.56000	7.27335
90.0	8.17000	8.46230
95.0	8.64000	9.17385
99.0	10.02000	10.50858

Period of Record: January 1996 through December 2023
Analysis Days Only

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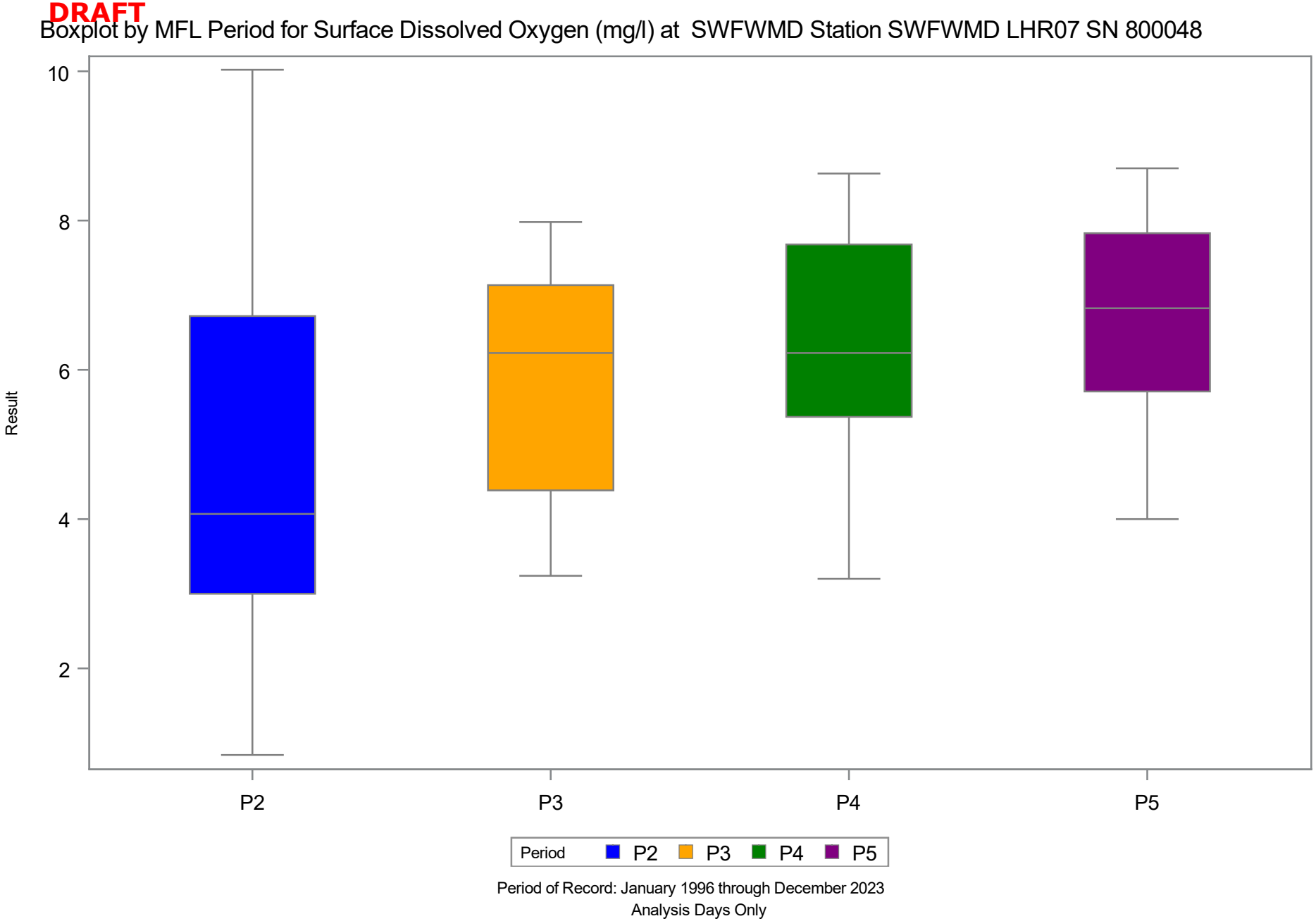
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048

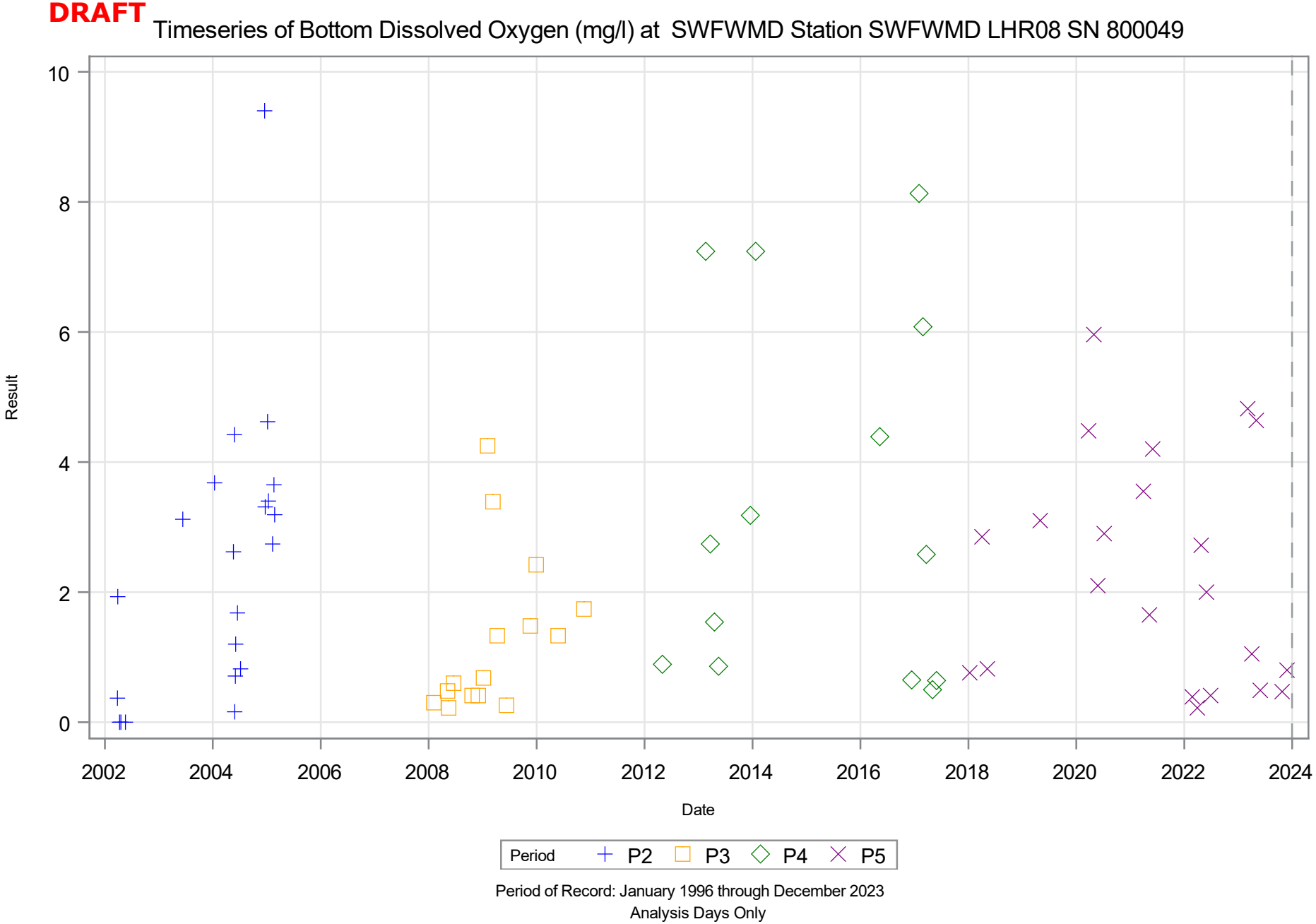
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.84	3.00	4.86	4.07	6.72	10.02
P3	16	3.24	4.39	5.88	6.23	7.14	7.98
P4	14	3.20	5.37	6.51	6.23	7.68	8.63
P5	22	4.00	5.71	6.69	6.83	7.83	8.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

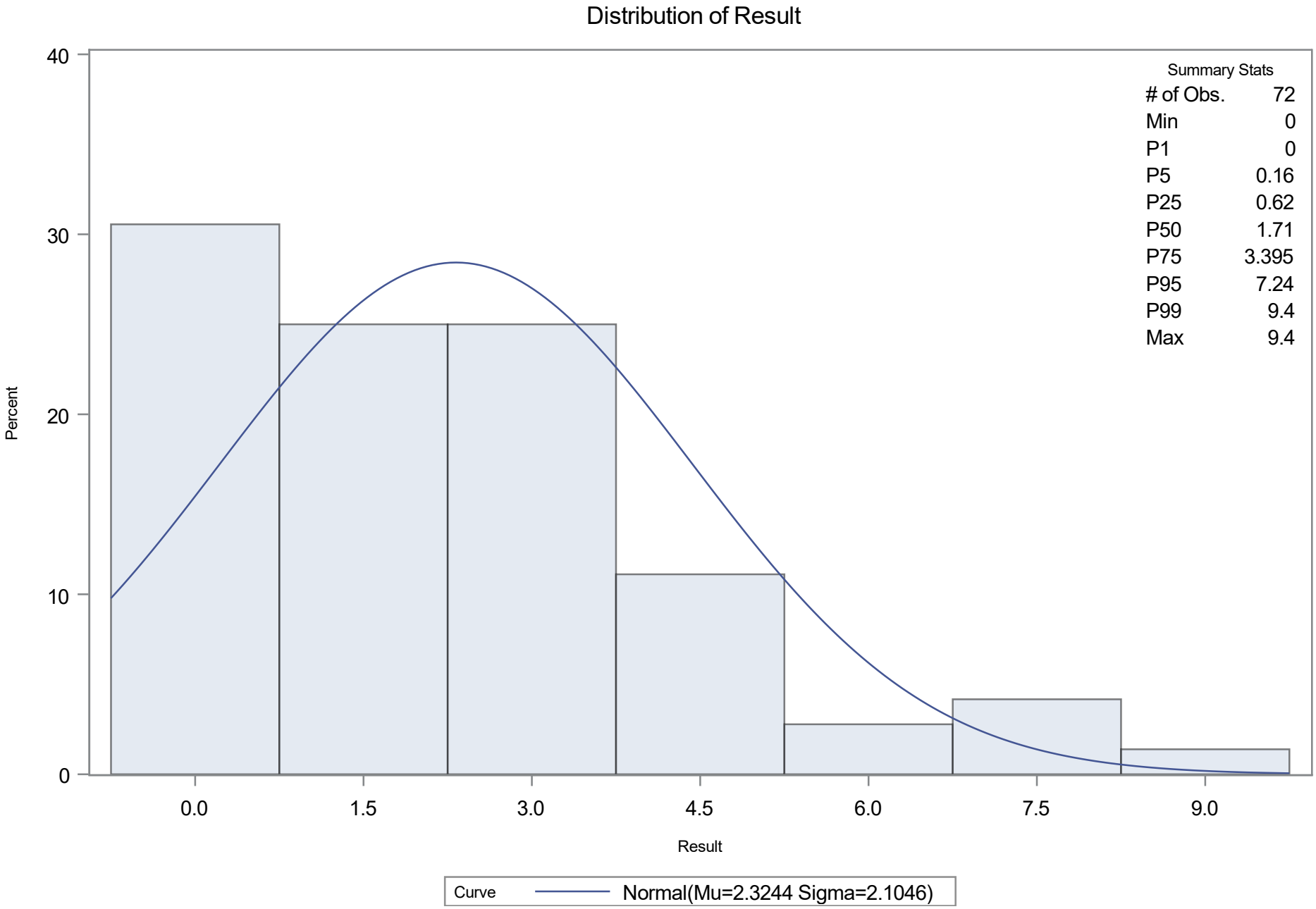

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
10
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
10
8
6
4
2
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.324444
Std Dev	Sigma	2.104649

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14113029	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.36342510	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.43104314	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-2.57170
5.0	0.16000	-1.13739
10.0	0.30000	-0.37277
25.0	0.62000	0.90488
50.0	1.71000	2.32444
75.0	3.39500	3.74401
90.0	4.64000	5.02166
95.0	7.24000	5.78628
99.0	9.40000	7.22059

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

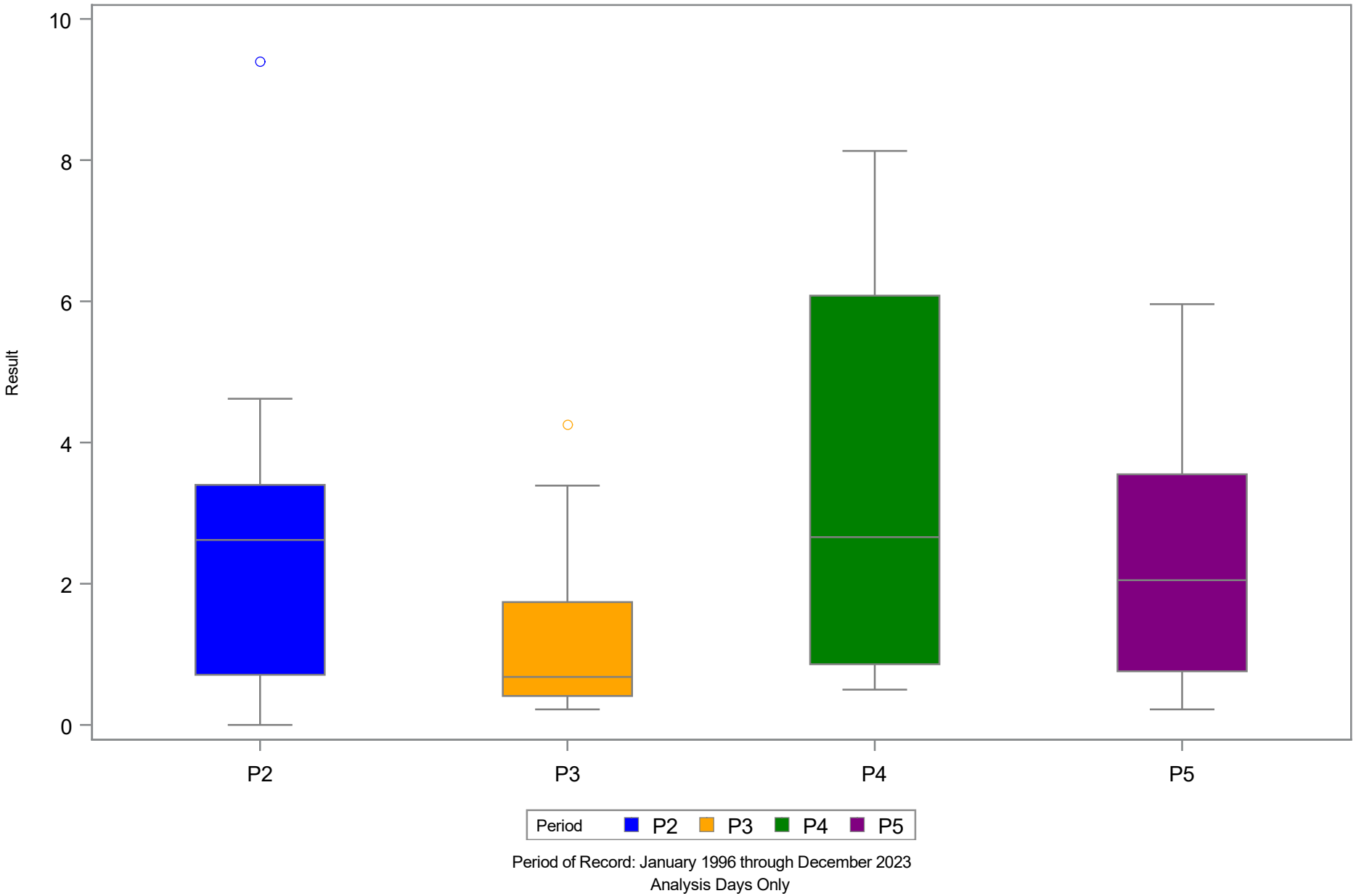
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.71	2.43	2.62	3.40	9.40
P3	15	0.22	0.41	1.29	0.68	1.74	4.25
P4	14	0.50	0.86	3.33	2.66	6.08	8.13
P5	22	0.22	0.76	2.29	2.05	3.55	5.96

Period of Record: January 1996 through December 2023
Analysis Days Only

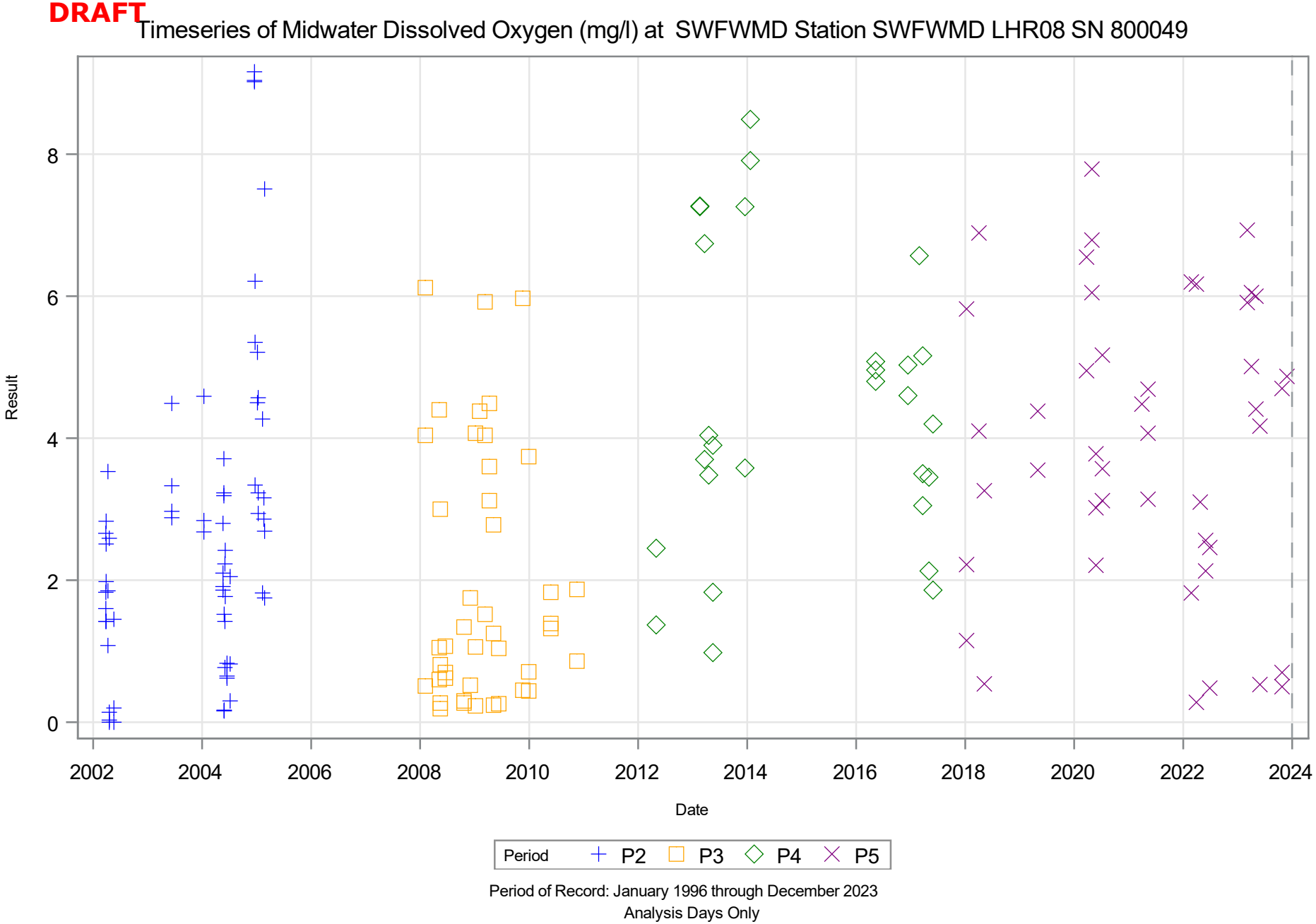
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049



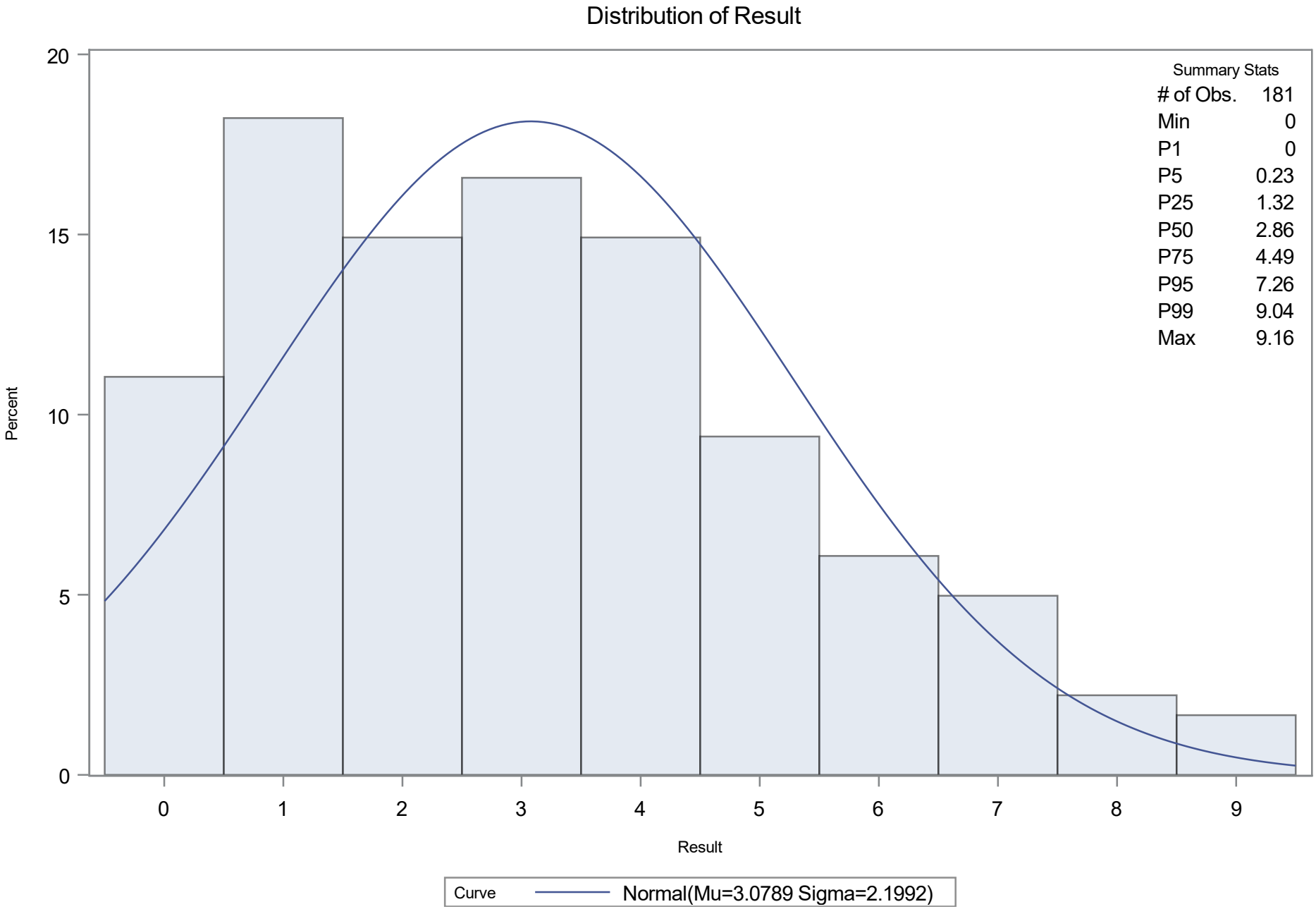
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.078895
Std Dev	Sigma	2.19917

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08442981	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.28412660	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.14353595	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-2.03714
5.0	0.23000	-0.53842
10.0	0.45000	0.26055
25.0	1.32000	1.59558
50.0	2.86000	3.07890
75.0	4.49000	4.56221
90.0	6.17000	5.89724
95.0	7.26000	6.69621
99.0	9.04000	8.19493

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

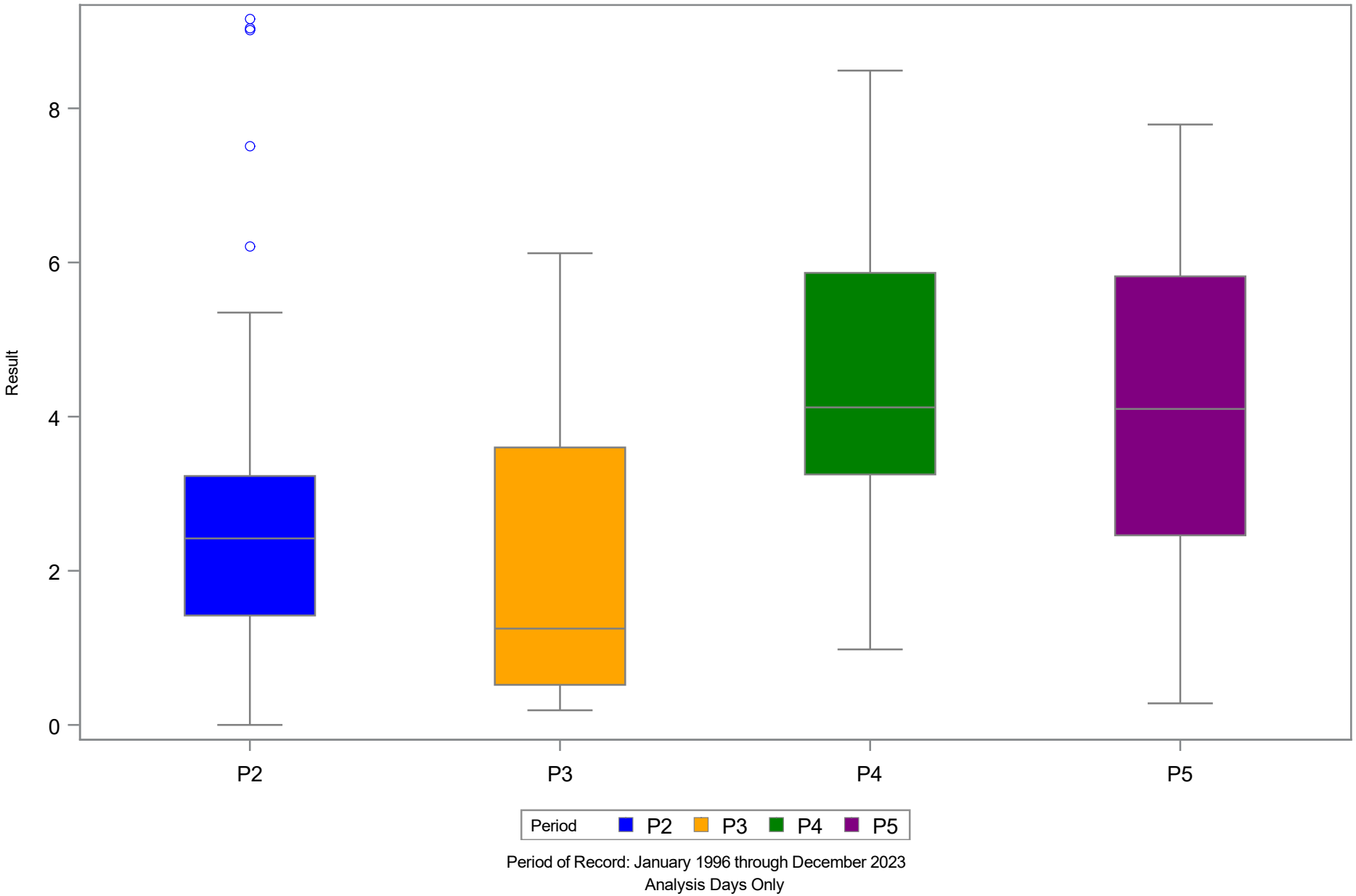
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	65	0.00	1.42	2.65	2.42	3.23	9.16
P3	43	0.19	0.52	1.96	1.25	3.60	6.12
P4	28	0.98	3.25	4.45	4.12	5.87	8.49
P5	45	0.28	2.46	3.92	4.10	5.82	7.79

Period of Record: January 1996 through December 2023
Analysis Days Only

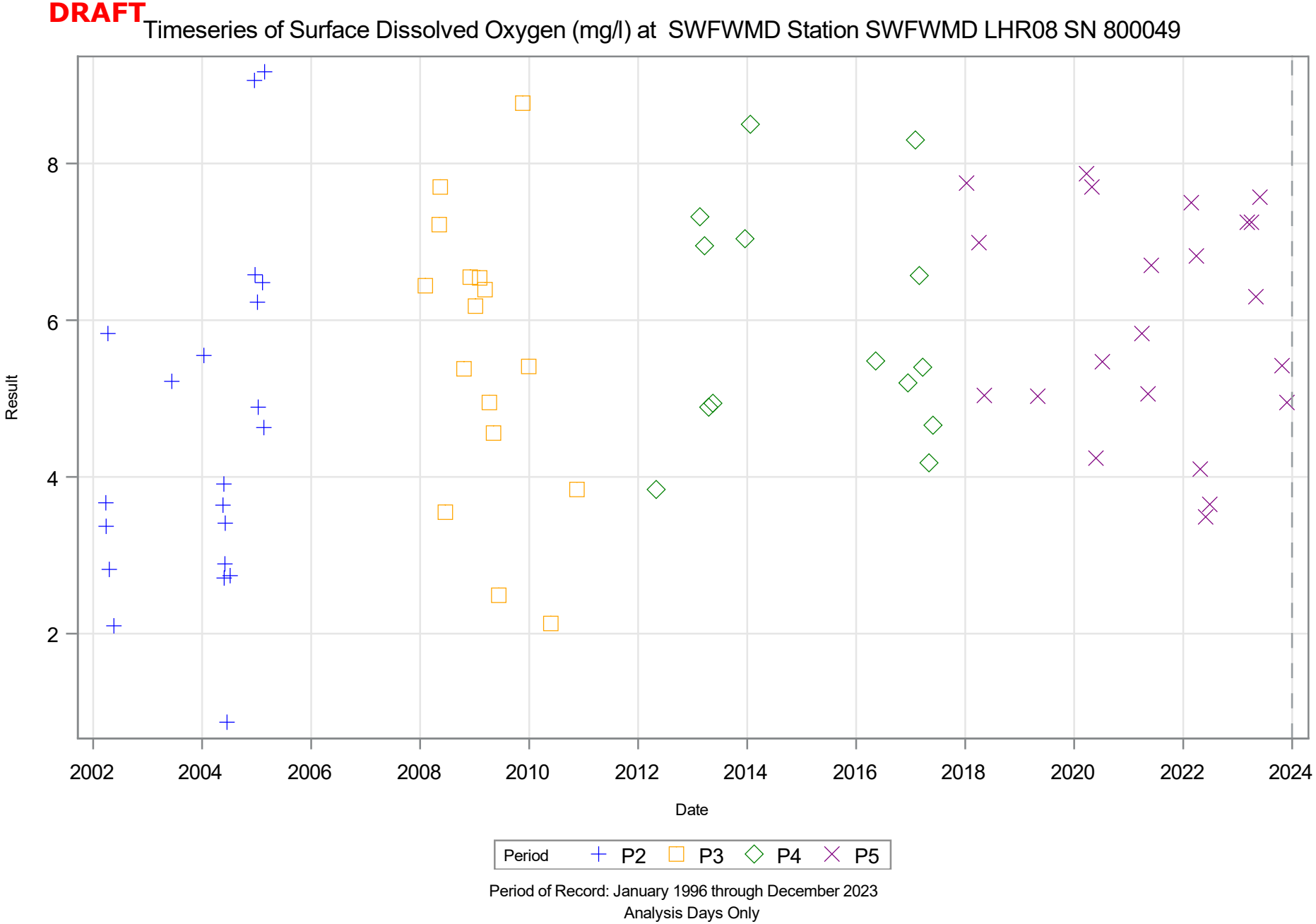
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049



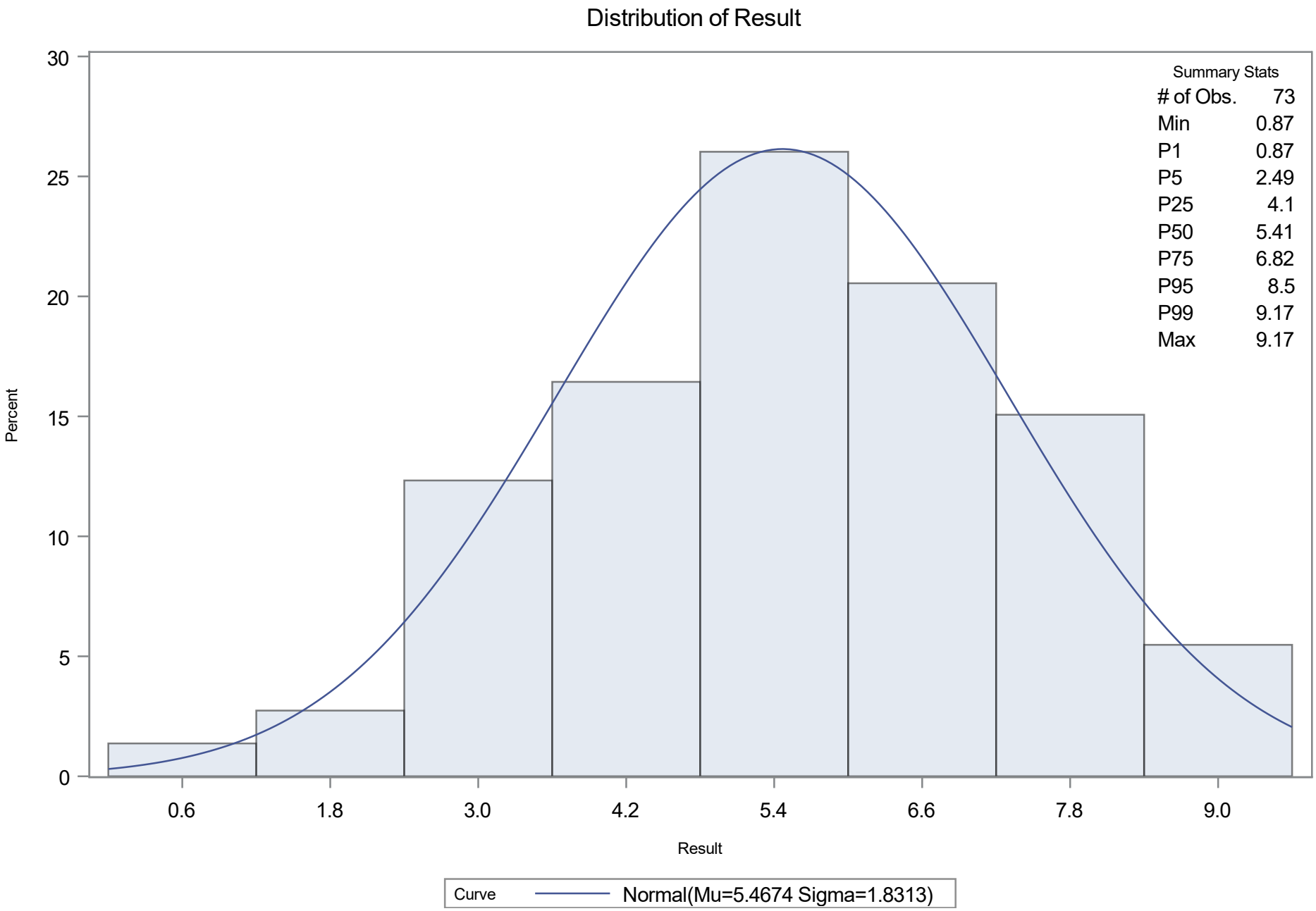
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.467397
Std Dev	Sigma	1.831299

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06266097	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04391686	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25864879	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.87000	1.20716
5.0	2.49000	2.45518
10.0	2.89000	3.12049
25.0	4.10000	4.23220
50.0	5.41000	5.46740
75.0	6.82000	6.70259
90.0	7.70000	7.81430
95.0	8.50000	8.47962
99.0	9.17000	9.72764

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

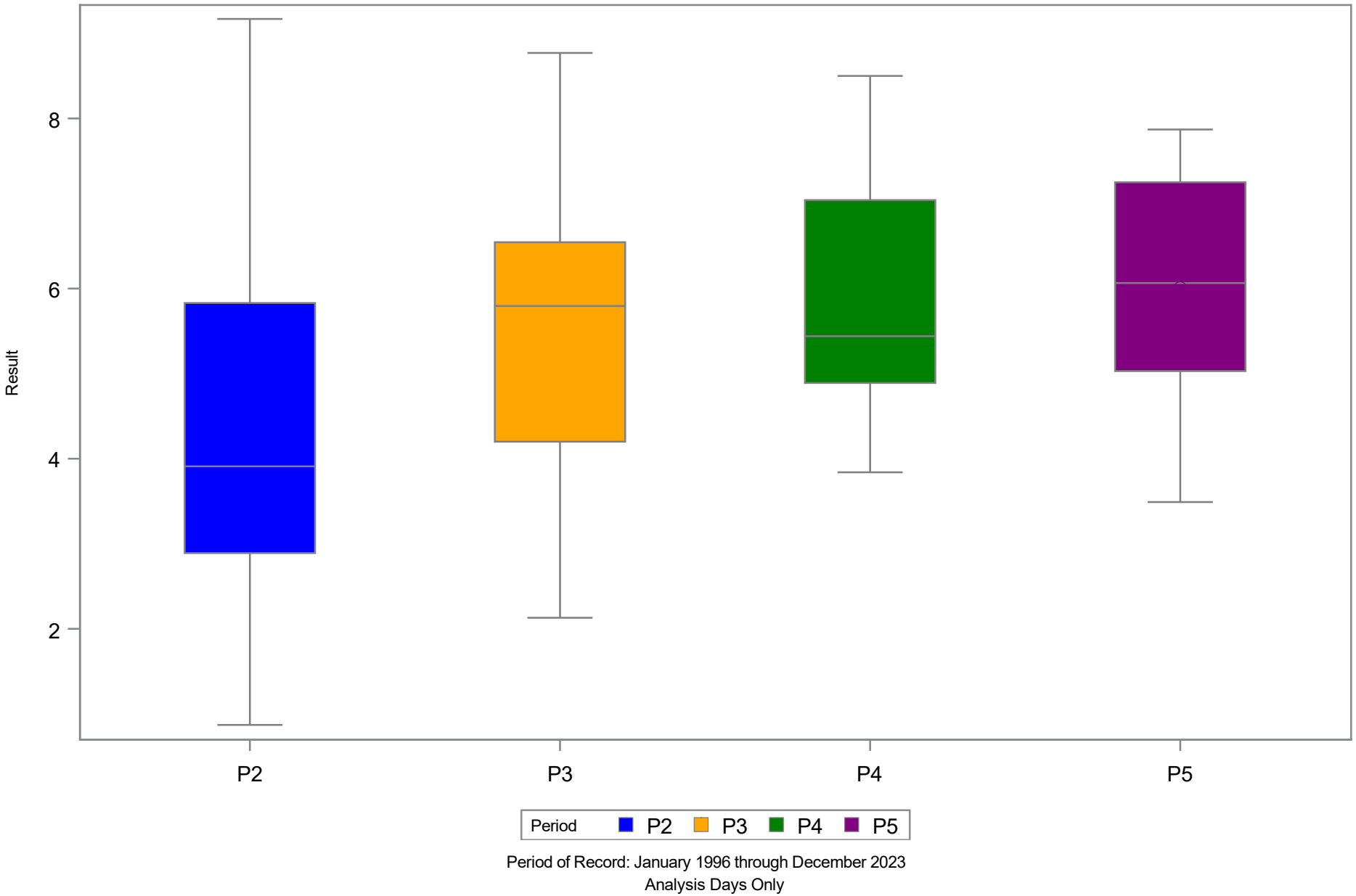
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.87	2.89	4.56	3.91	5.83	9.17
P3	16	2.13	4.20	5.51	5.80	6.55	8.77
P4	14	3.84	4.89	5.95	5.44	7.04	8.50
P5	22	3.49	5.03	6.00	6.07	7.25	7.87

Period of Record: January 1996 through December 2023
Analysis Days Only

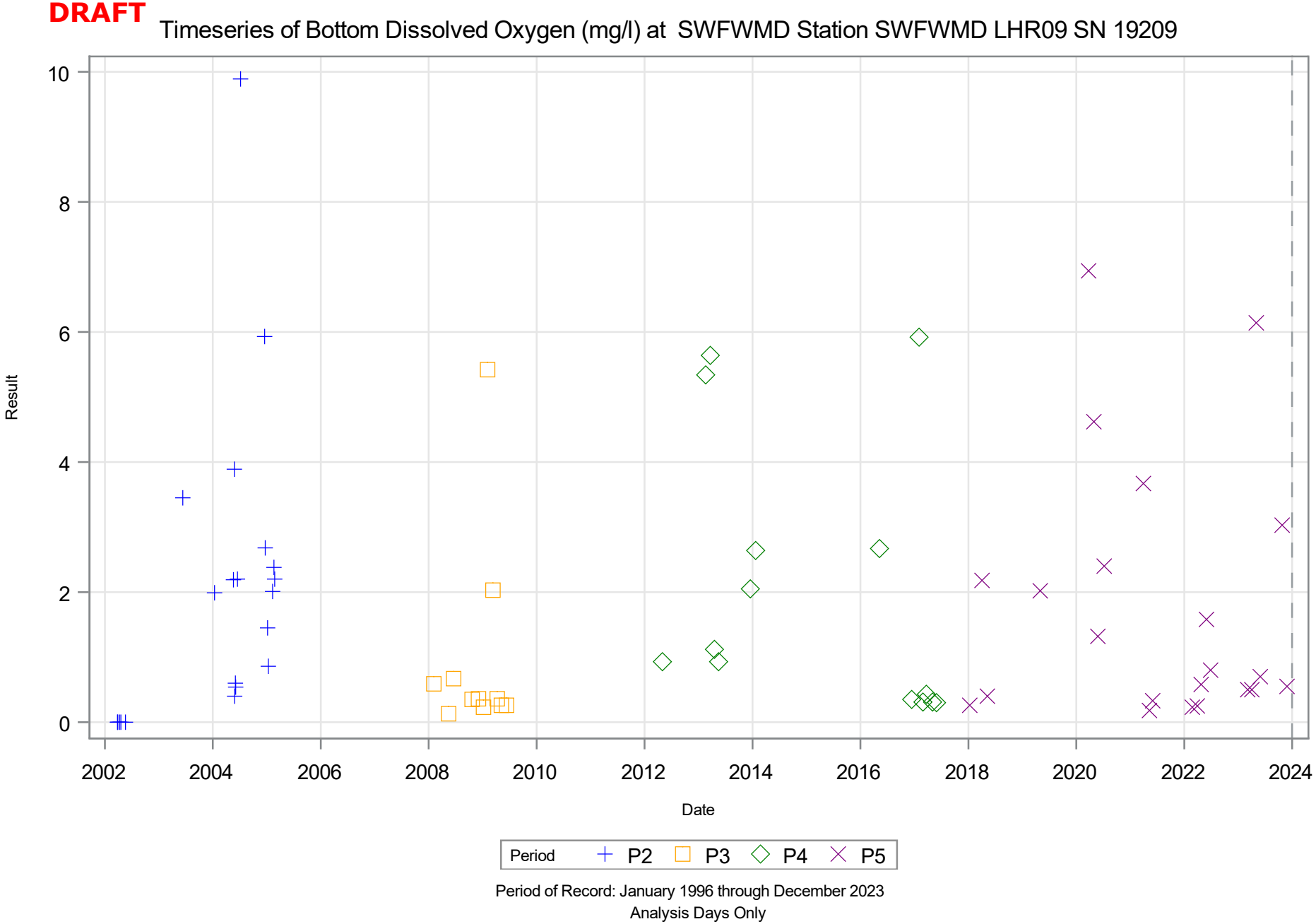
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR08 SN 800049



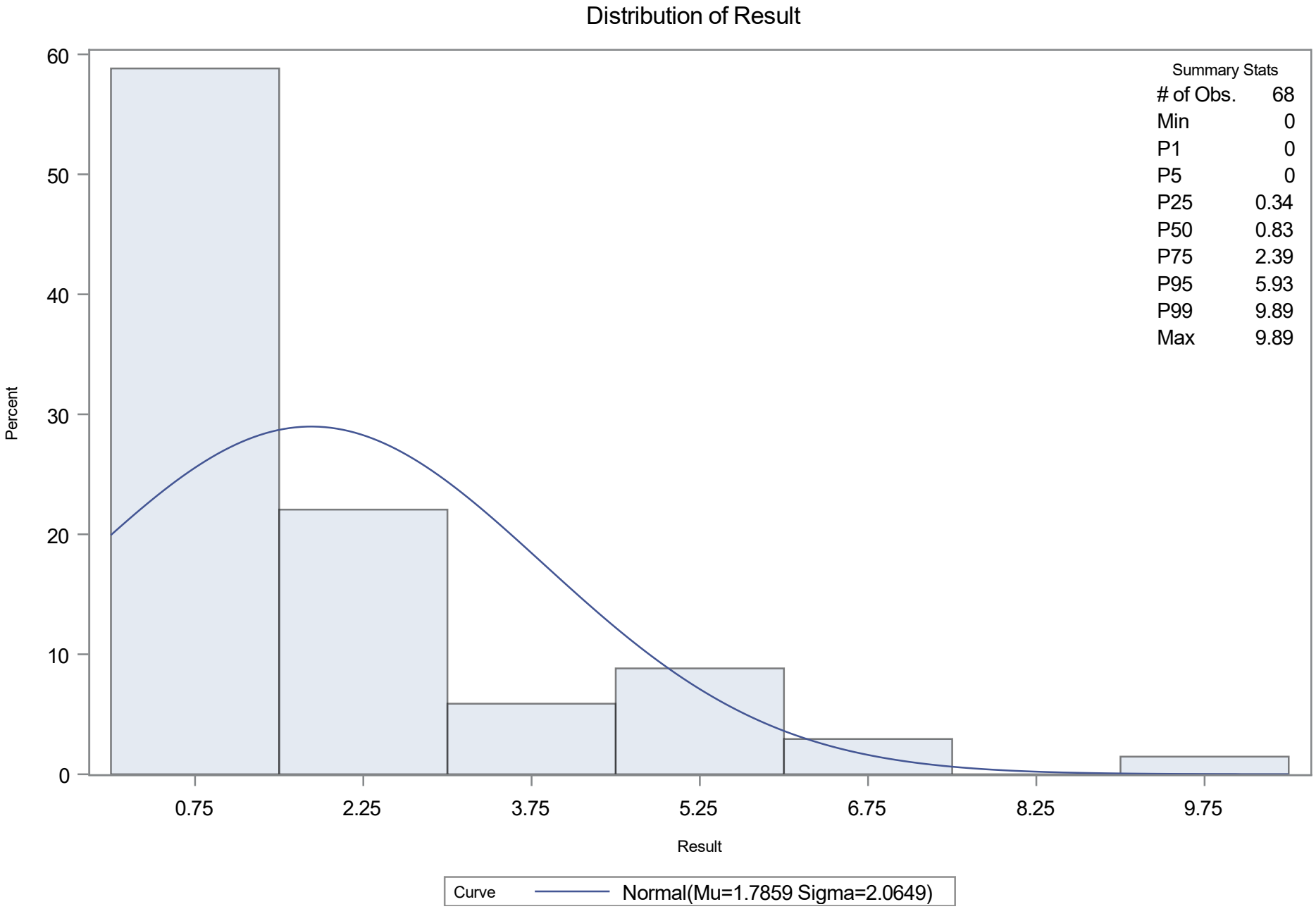
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
10
8
6
4
2
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.785882
Std Dev	Sigma	2.064918

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20485901	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.86045382	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.93598008	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-3.01784
5.0	0.00000	-1.61061
10.0	0.18000	-0.86042
25.0	0.34000	0.39312
50.0	0.83000	1.78588
75.0	2.39000	3.17865
90.0	5.42000	4.43218
95.0	5.93000	5.18237
99.0	9.89000	6.58960

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

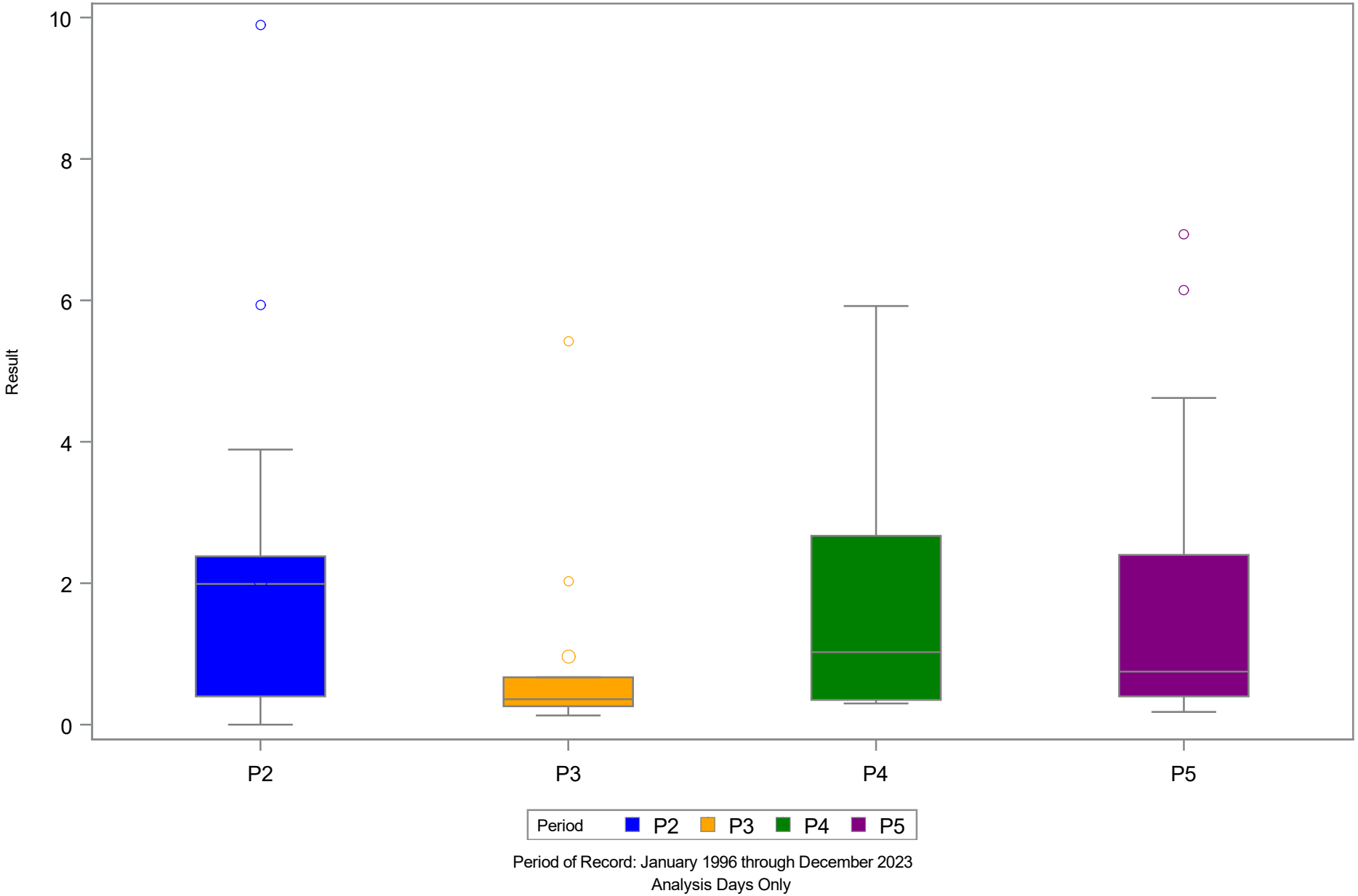
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.40	2.03	1.99	2.38	9.89
P3	11	0.13	0.26	0.97	0.36	0.67	5.42
P4	14	0.30	0.35	2.07	1.03	2.67	5.92
P5	22	0.18	0.40	1.78	0.75	2.40	6.94

Period of Record: January 1996 through December 2023
Analysis Days Only

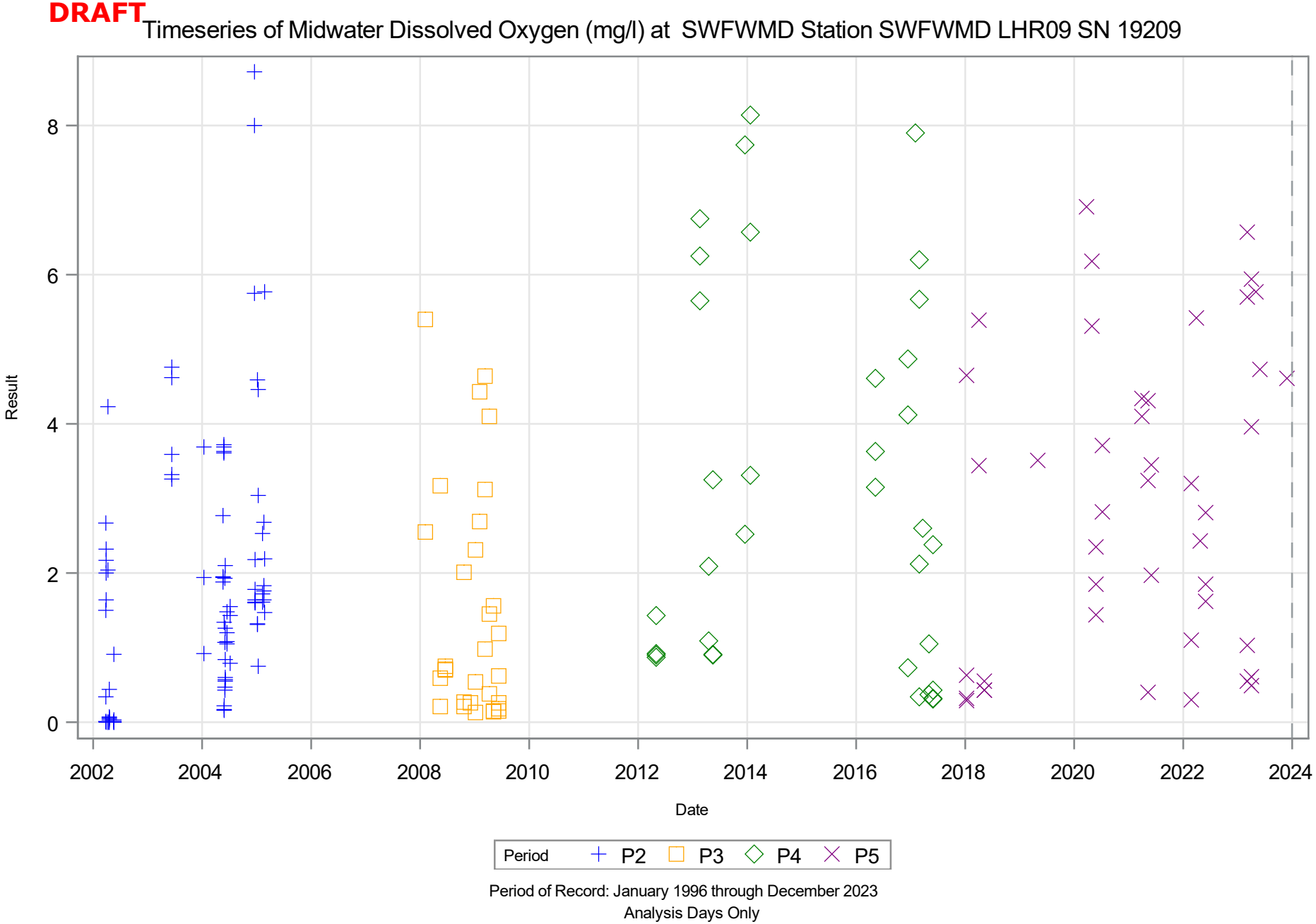
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



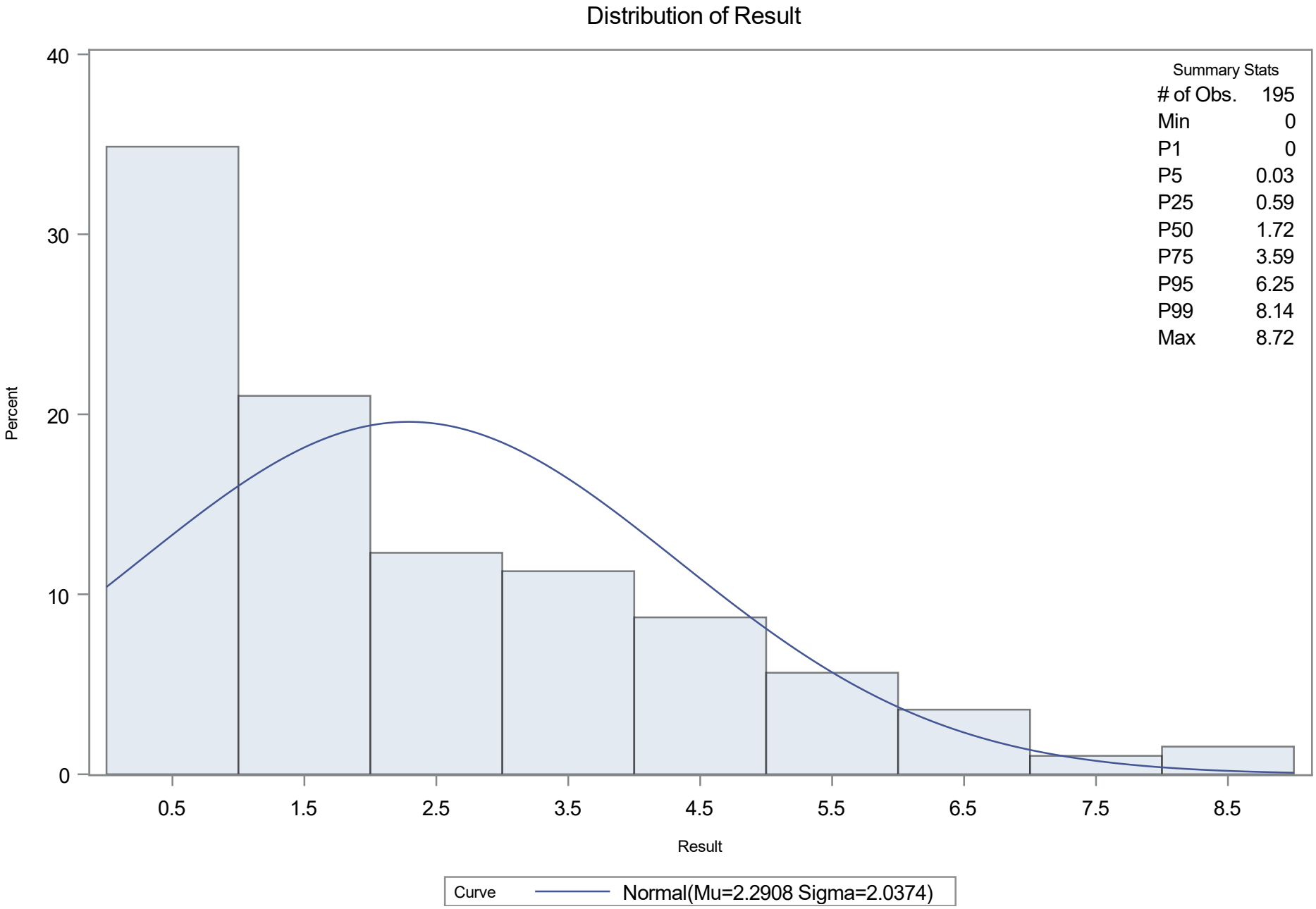
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.290769
Std Dev	Sigma	2.037435

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13043451	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.99229436	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.07519118	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-2.44901
5.0	0.03000	-1.06051
10.0	0.18000	-0.32031
25.0	0.59000	0.91654
50.0	1.72000	2.29077
75.0	3.59000	3.66500
90.0	5.42000	4.90185
95.0	6.25000	5.64205
99.0	8.14000	7.03055

Period of Record: January 1996 through December 2023
Analysis Days Only

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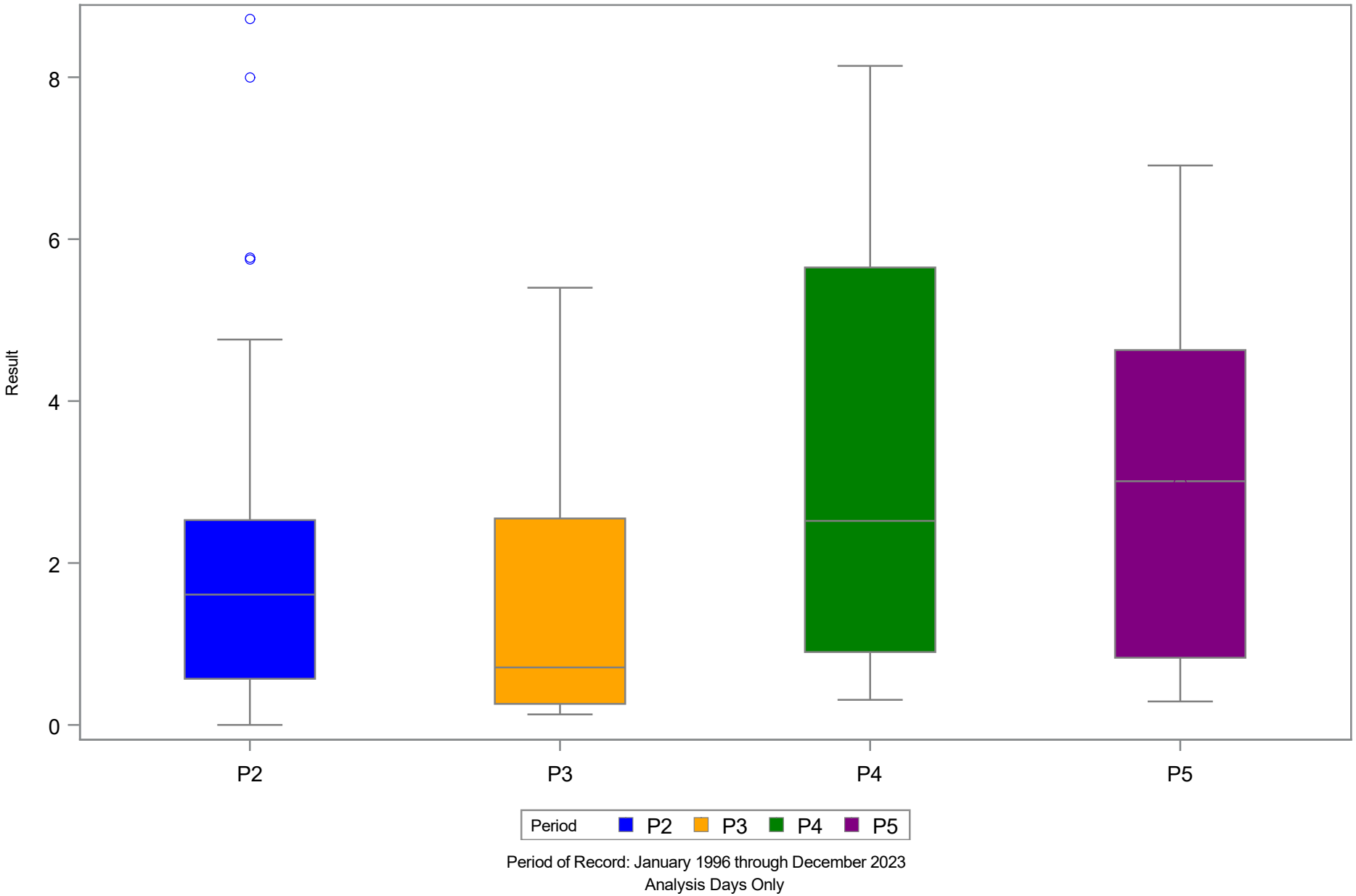
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	85	0.00	0.57	1.88	1.61	2.53	8.72
P3	31	0.13	0.26	1.48	0.71	2.55	5.40
P4	35	0.31	0.90	3.15	2.52	5.65	8.14
P5	44	0.29	0.83	2.97	3.01	4.63	6.91

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

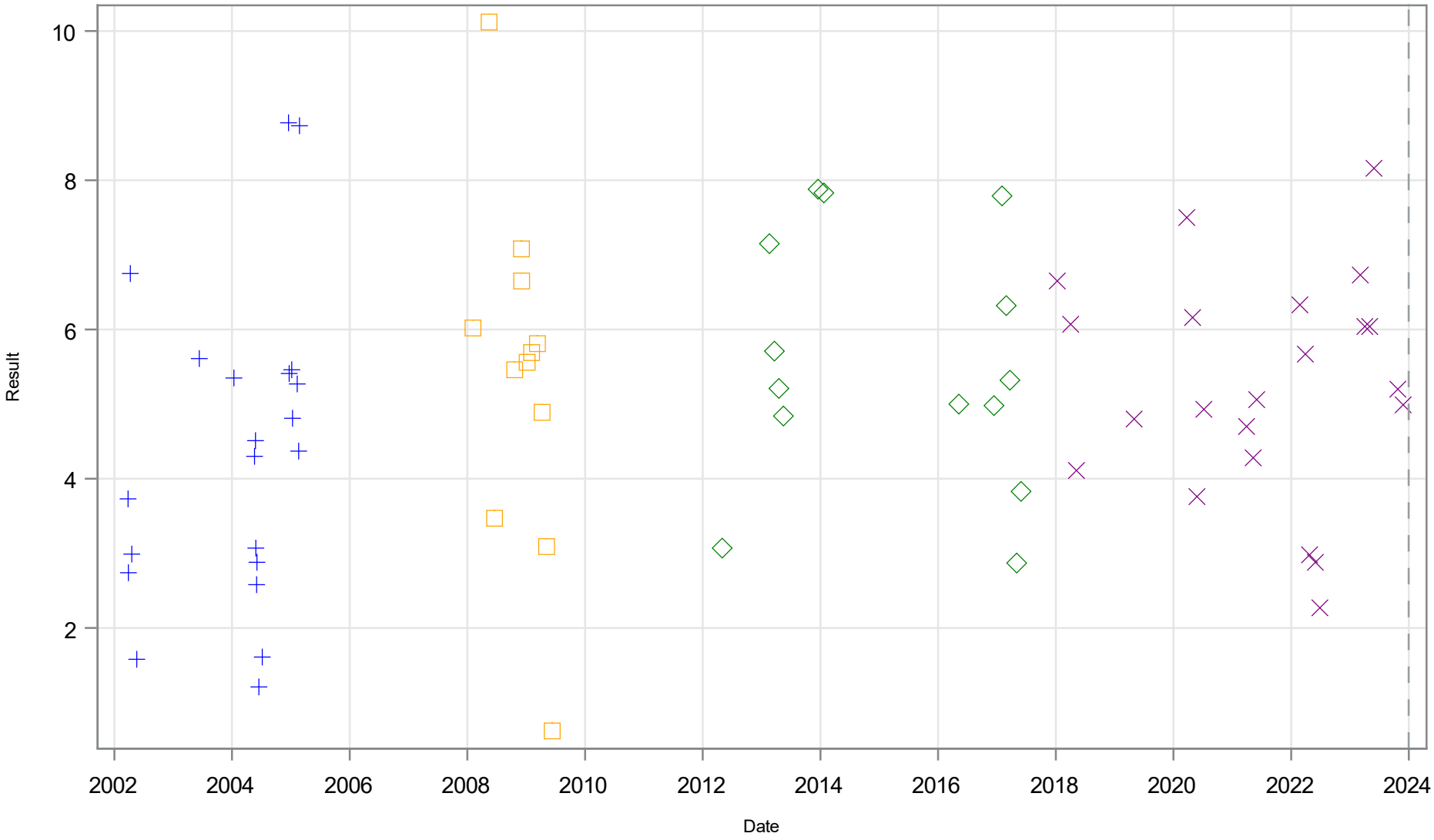
Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

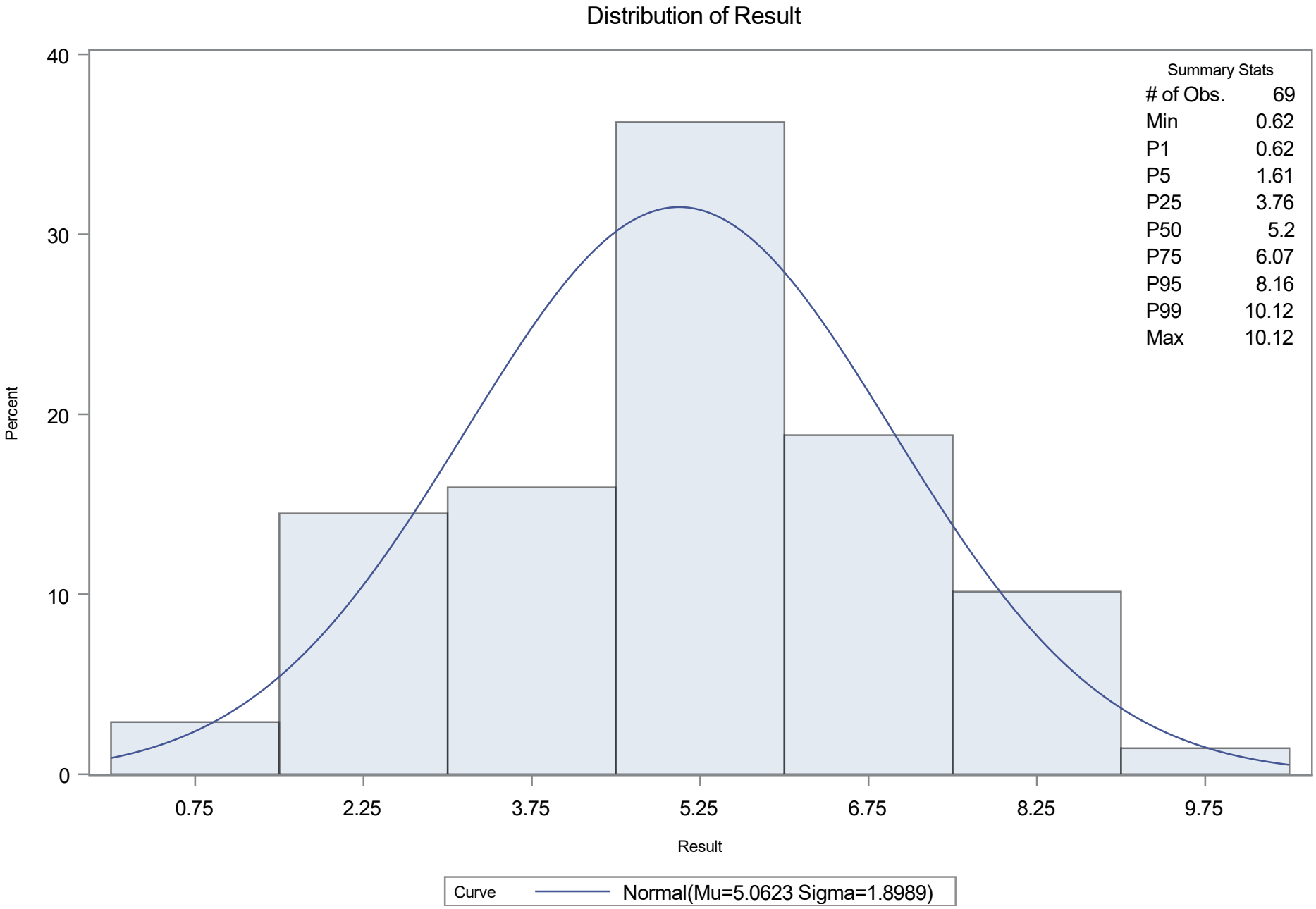
Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.062319
Std Dev	Sigma	1.898926

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08274580	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06056998	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32910146	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.62000	0.64476
5.0	1.61000	1.93886
10.0	2.74000	2.62875
25.0	3.76000	3.78151
50.0	5.20000	5.06232
75.0	6.07000	6.34313
90.0	7.79000	7.49589
95.0	8.16000	8.18577
99.0	10.12000	9.47988

Period of Record: January 1996 through December 2023
Analysis Days Only

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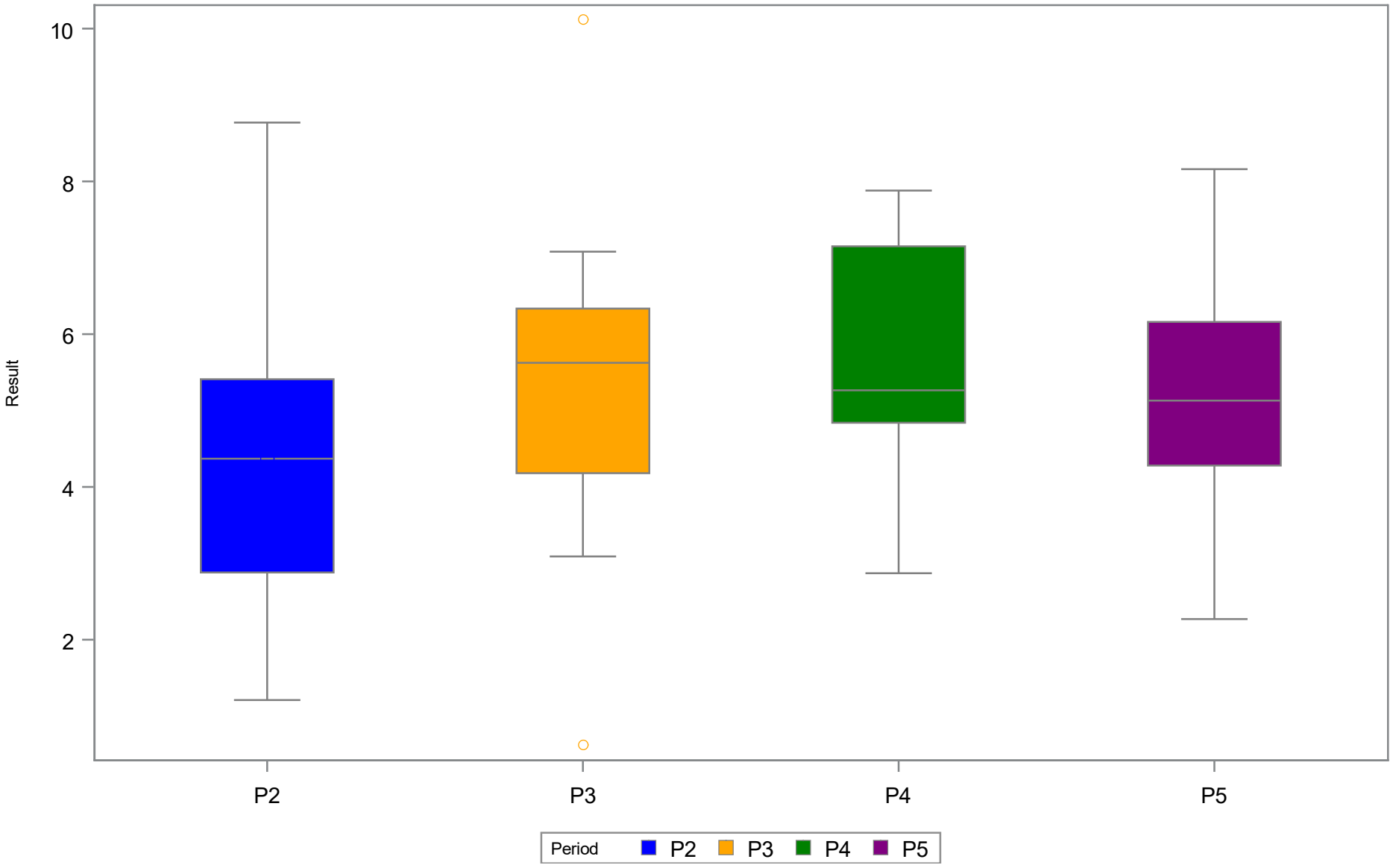
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.21	2.88	4.37	4.37	5.41	8.77
P3	12	0.62	4.18	5.37	5.63	6.34	10.12
P4	14	2.87	4.84	5.56	5.27	7.15	7.88
P5	22	2.27	4.28	5.24	5.13	6.16	8.16

Period of Record: January 1996 through December 2023
Analysis Days Only

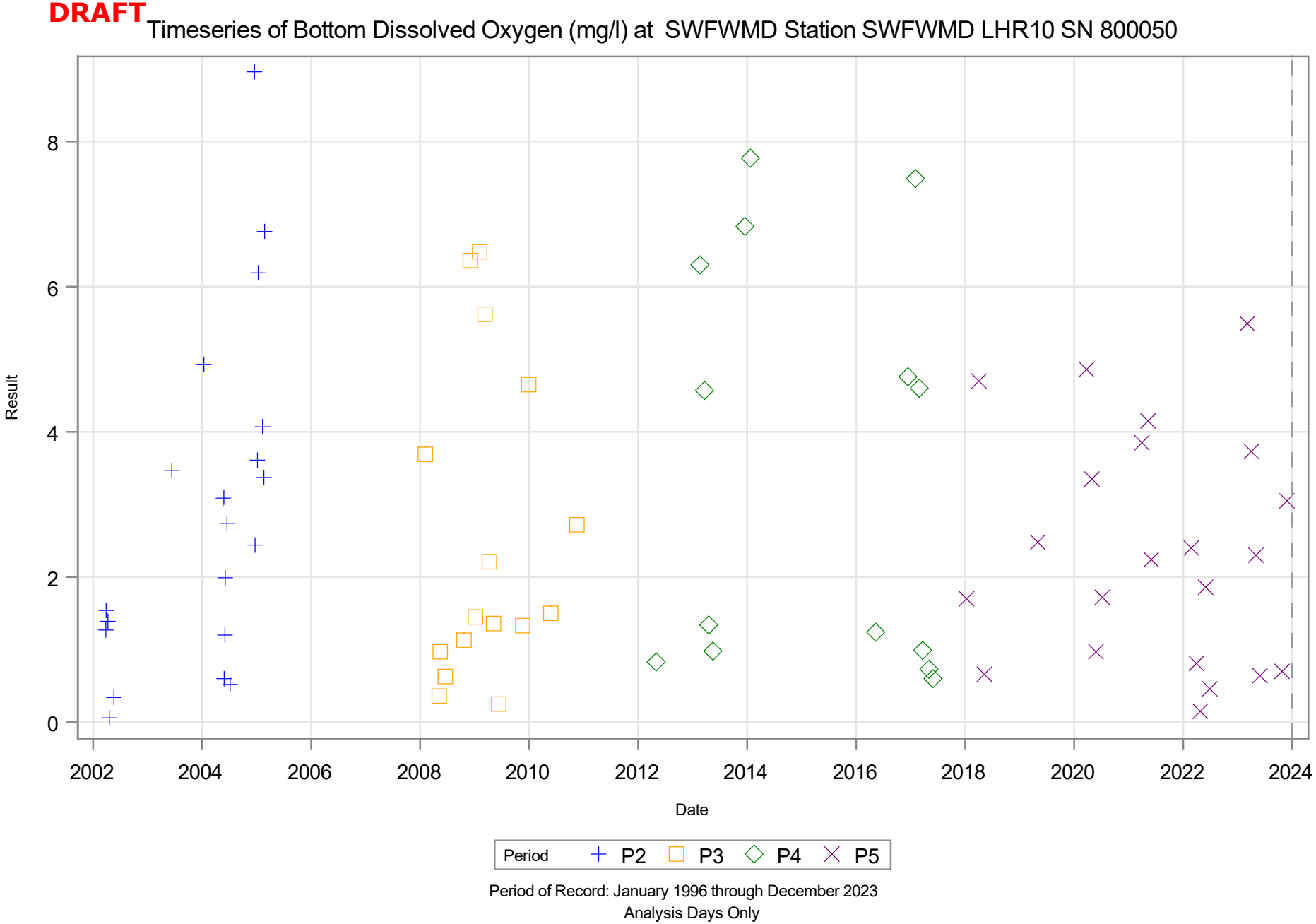
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



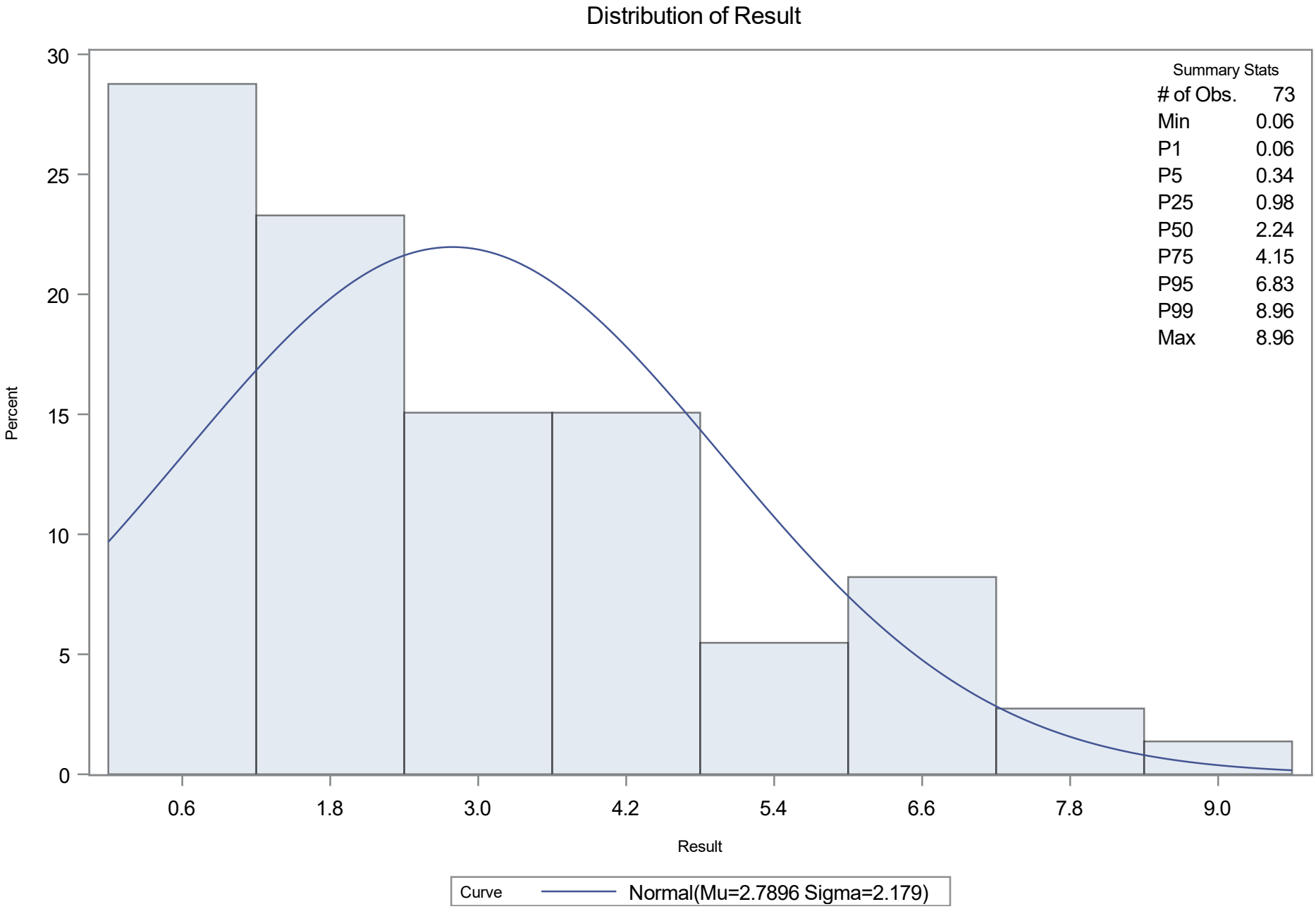
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.789589
Std Dev	Sigma	2.17902

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14149222	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.34343754	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.12143536	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06000	-2.27957
5.0	0.34000	-0.79458
10.0	0.60000	-0.00294
25.0	0.98000	1.31986
50.0	2.24000	2.78959
75.0	4.15000	4.25932
90.0	6.30000	5.58211
95.0	6.83000	6.37376
99.0	8.96000	7.85875

Period of Record: January 1996 through December 2023
Analysis Days Only

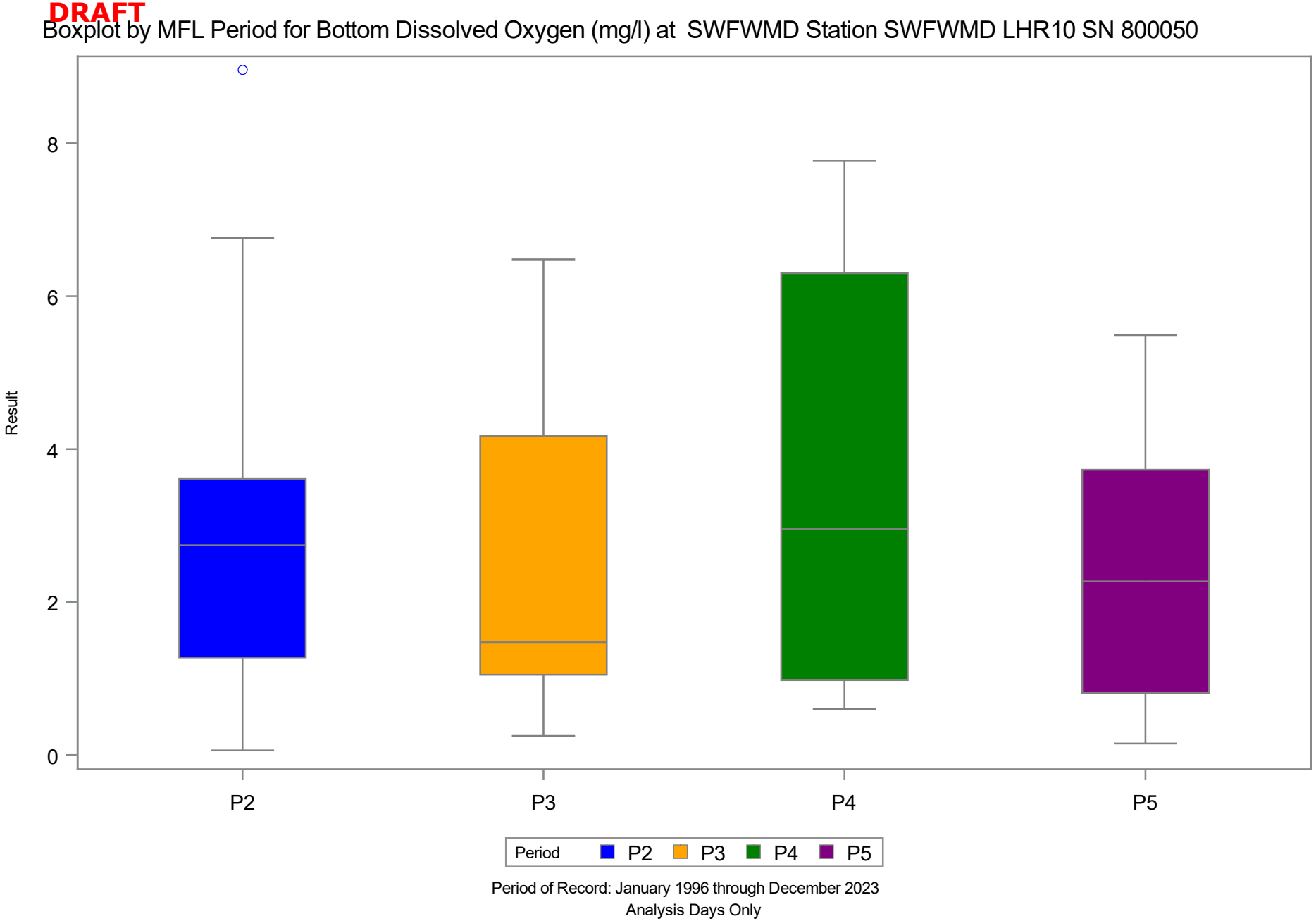
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050

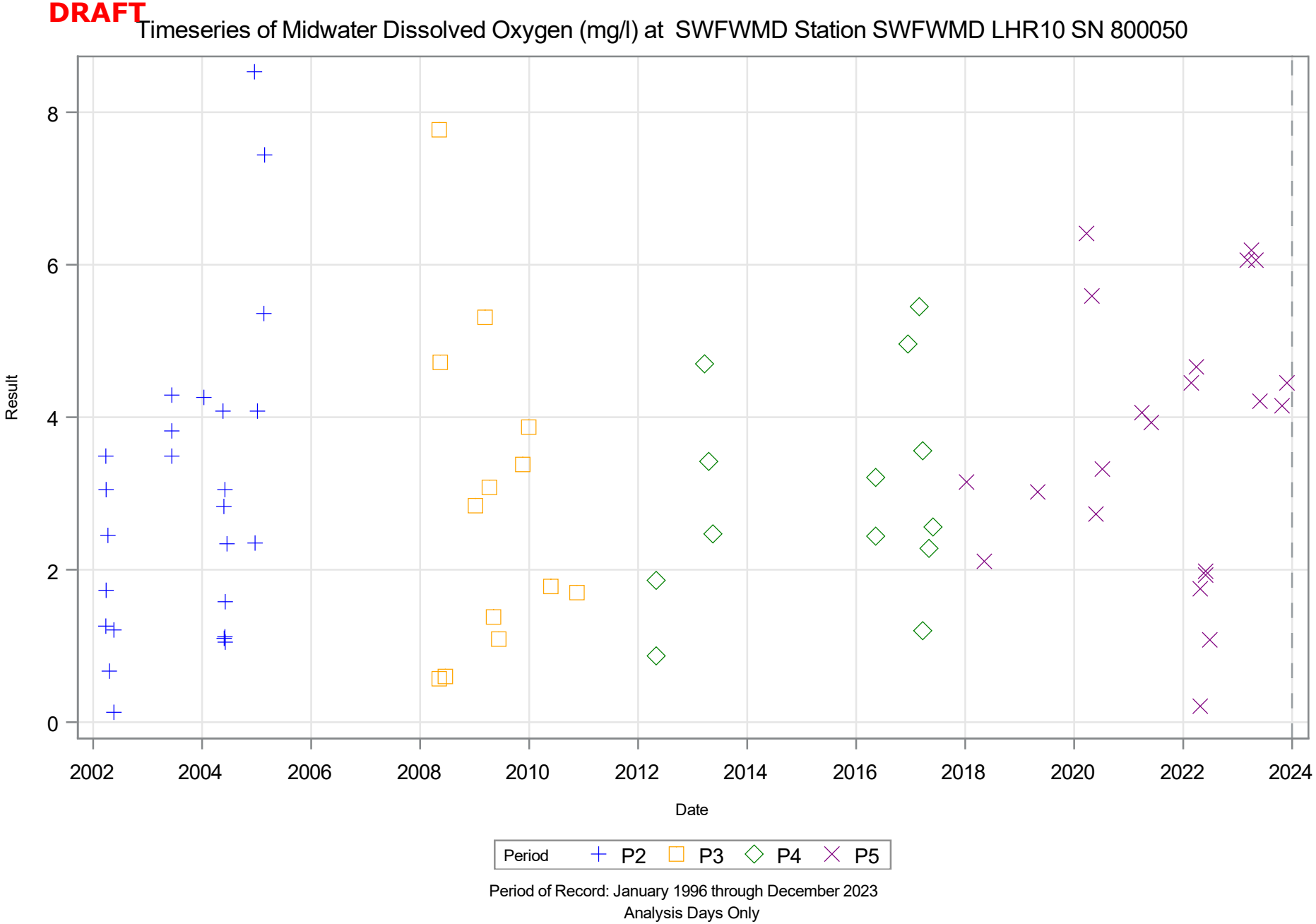
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.06	1.27	2.93	2.74	3.61	8.96
P3	16	0.25	1.05	2.54	1.48	4.17	6.48
P4	14	0.60	0.98	3.50	2.96	6.30	7.77
P5	22	0.15	0.81	2.38	2.27	3.73	5.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

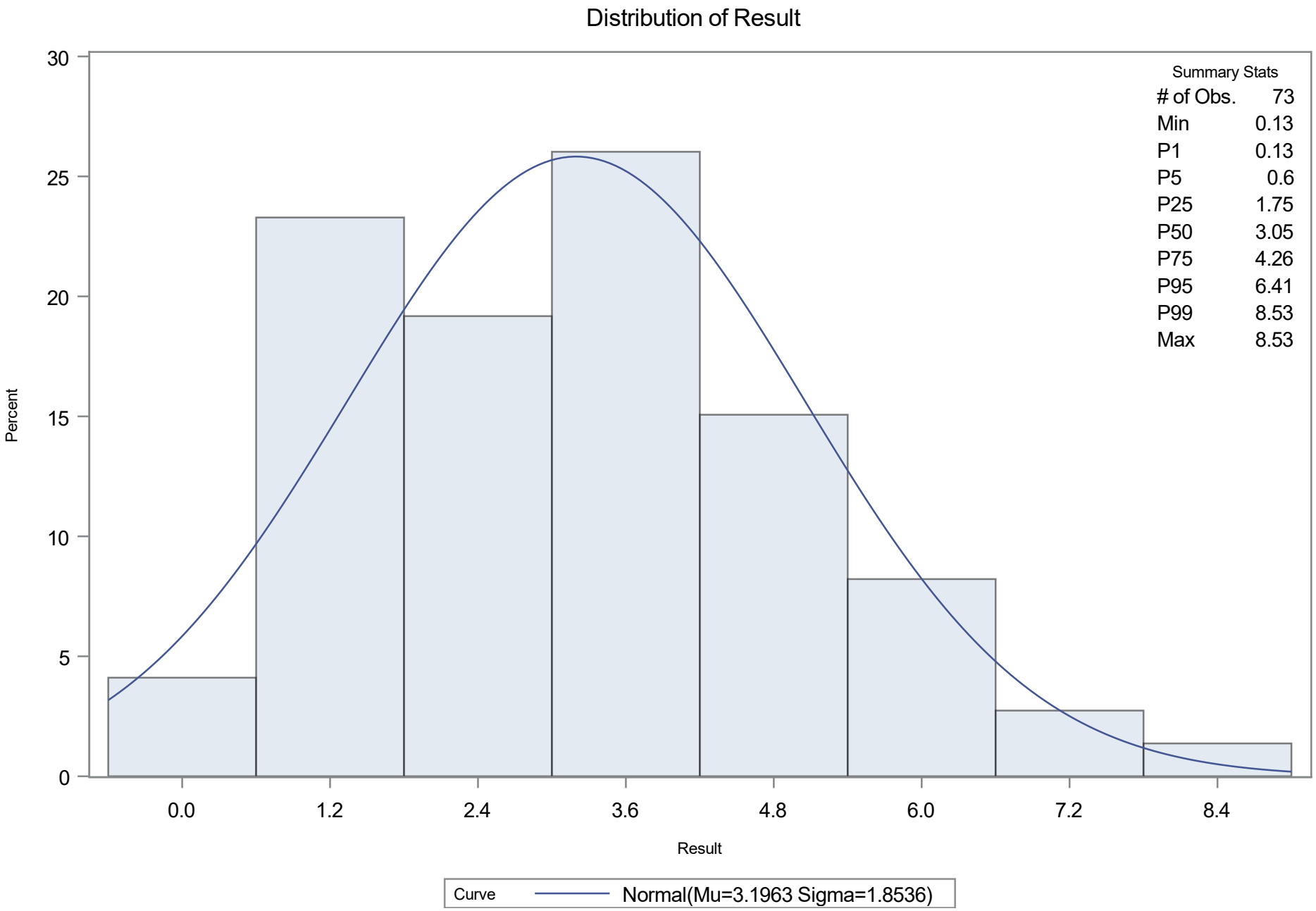

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.196301
Std Dev	Sigma	1.85363

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06336572	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06720161	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.53450786	**Pr > A-Sq**	0.173

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13000	-1.11589
5.0	0.60000	0.14735
10.0	1.08000	0.82078
25.0	1.75000	1.94605
50.0	3.05000	3.19630
75.0	4.26000	4.44656
90.0	5.59000	5.57182
95.0	6.41000	6.24525
99.0	8.53000	7.50849

Period of Record: January 1996 through December 2023
Analysis Days Only

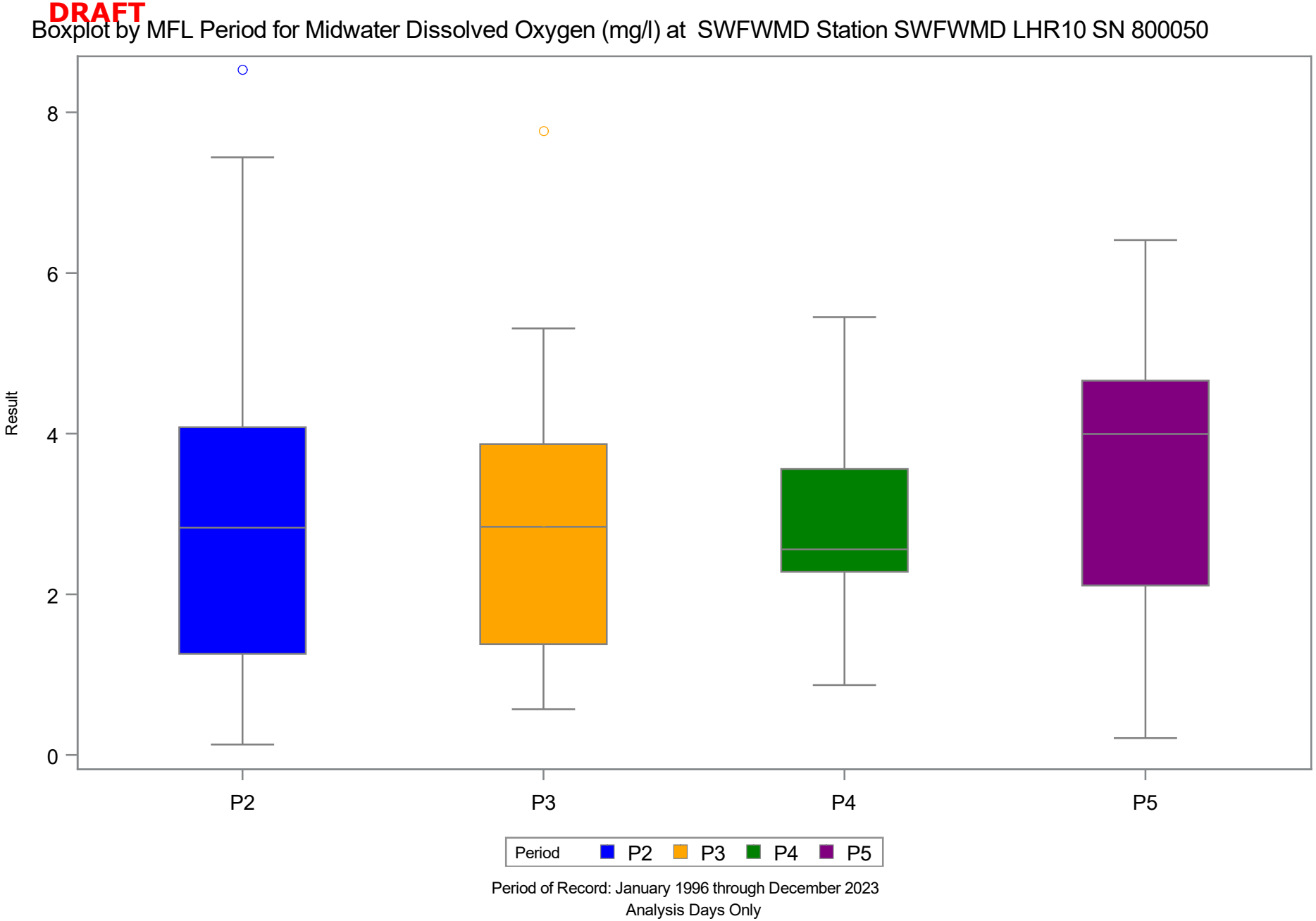
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050

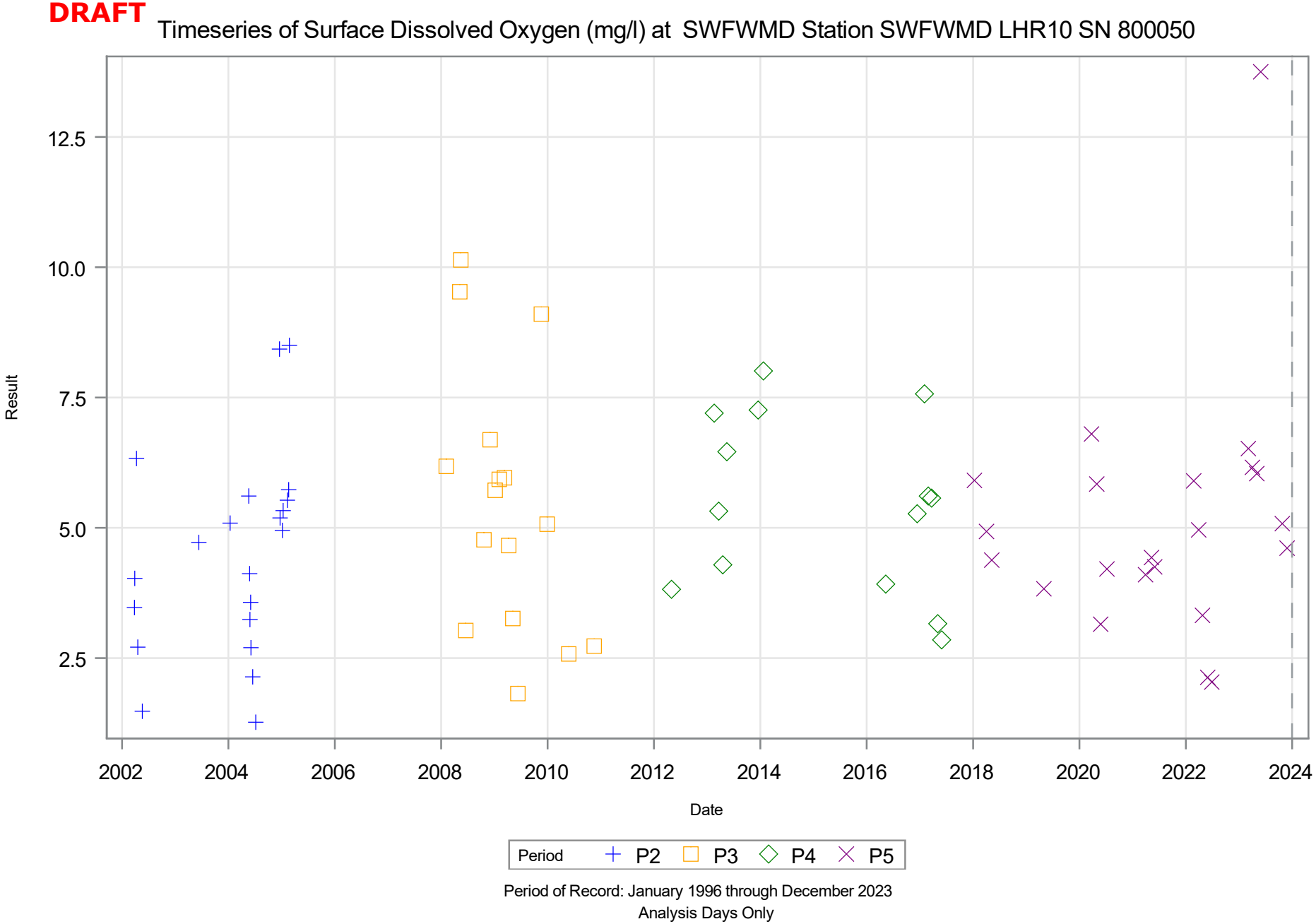
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.13	1.26	2.99	2.83	4.08	8.53
P3	13	0.57	1.38	2.93	2.84	3.87	7.77
P4	13	0.87	2.28	3.00	2.56	3.56	5.45
P5	22	0.21	2.11	3.70	4.00	4.66	6.41

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

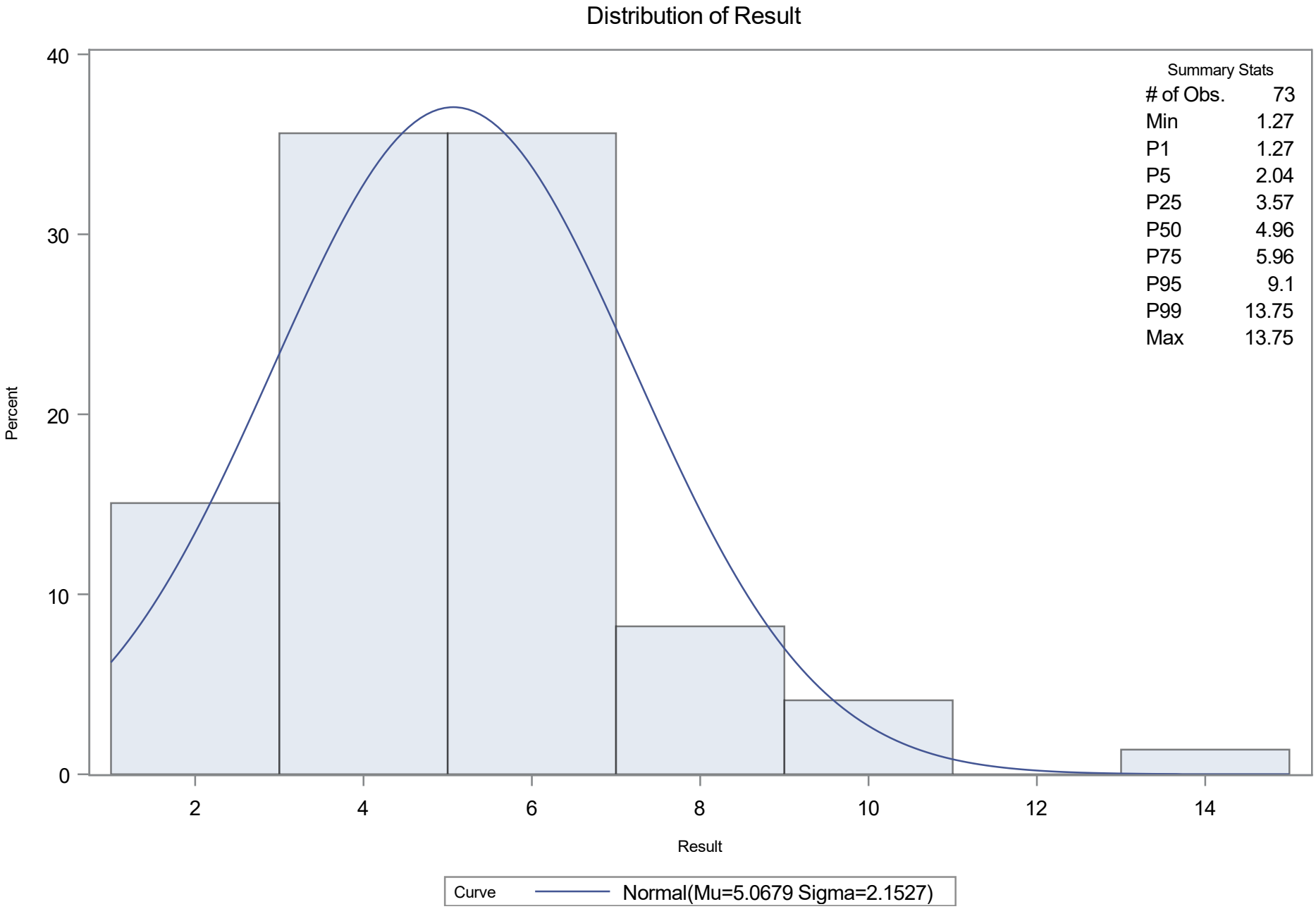

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
12.5
10.0
7.5
5.0
2.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.067945
Std Dev	Sigma	2.152661

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09723987	**Pr > D**	0.087
Cramer-von Mises	**W-Sq**	0.10697526	**Pr > W-Sq**	0.092
Anderson-Darling	**A-Sq**	0.73886978	**Pr > A-Sq**	0.052

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.27000	0.06011
5.0	2.04000	1.52713
10.0	2.70000	2.30920
25.0	3.57000	3.61600
50.0	4.96000	5.06795
75.0	5.96000	6.51989
90.0	7.57000	7.82669
95.0	9.10000	8.60876
99.0	13.75000	10.07578

Period of Record: January 1996 through December 2023
Analysis Days Only

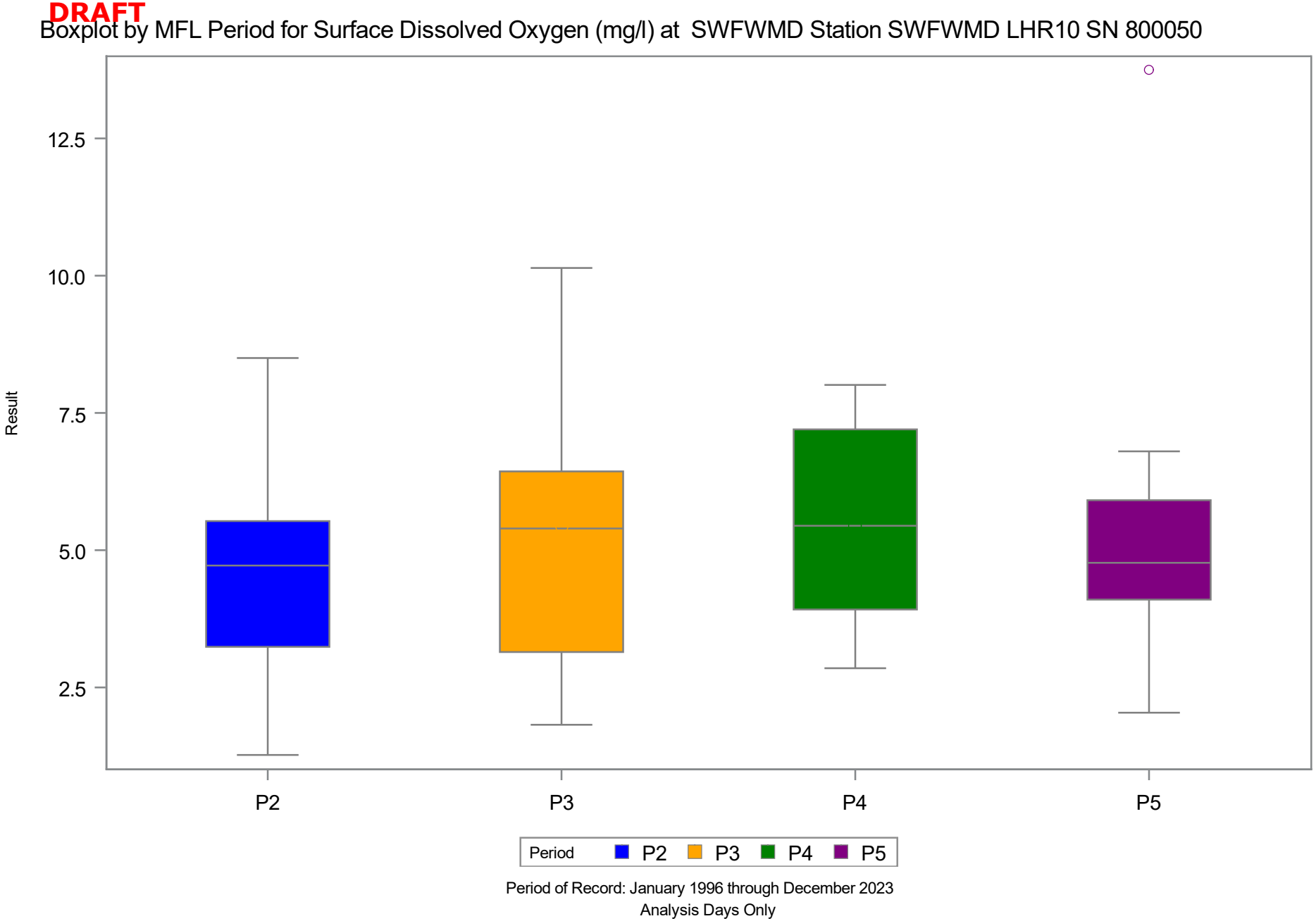
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050

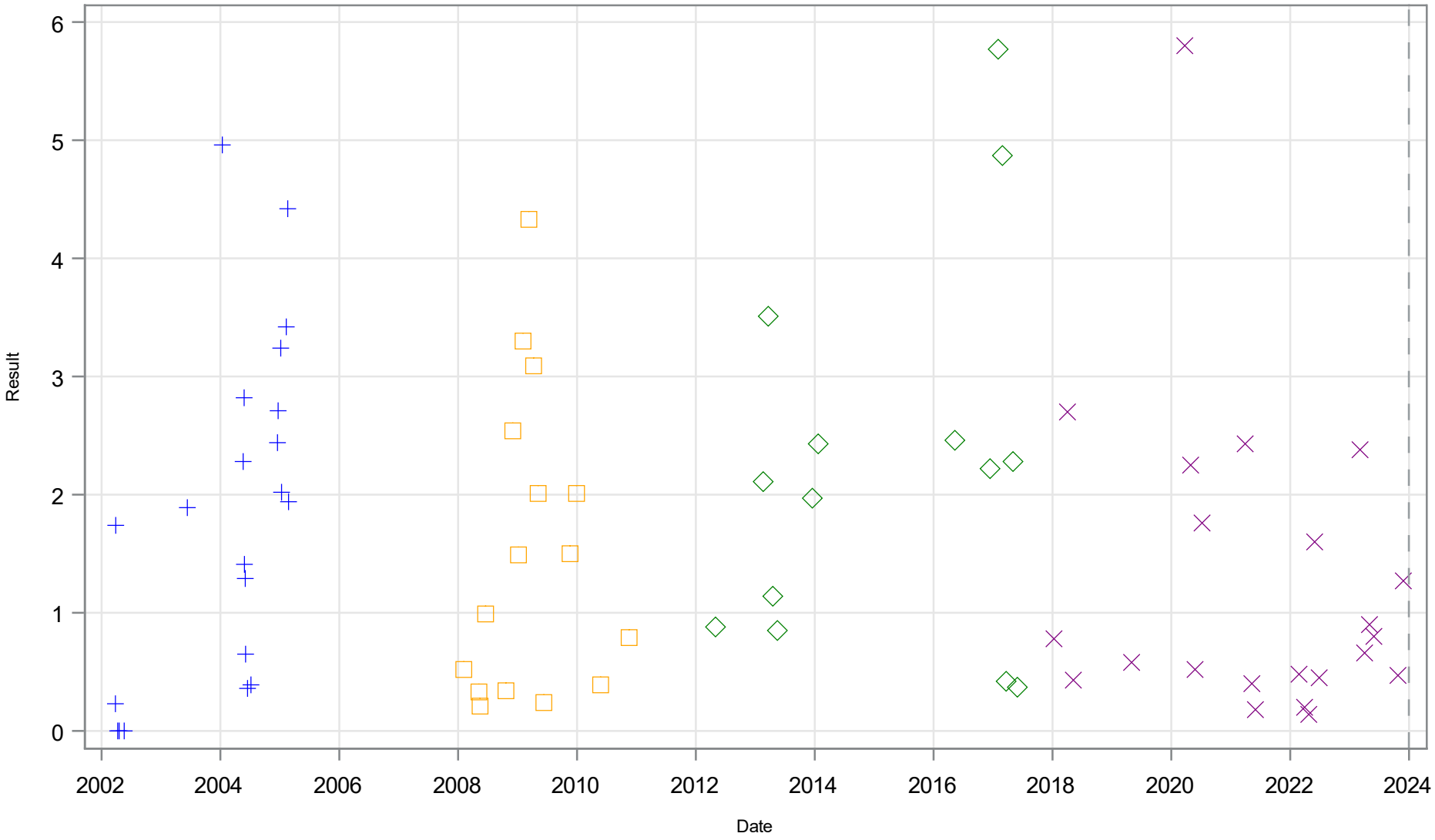
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.27	3.24	4.48	4.72	5.53	8.50
P3	16	1.82	3.15	5.45	5.40	6.44	10.14
P4	14	2.85	3.92	5.45	5.45	7.20	8.01
P5	22	2.04	4.10	5.11	4.77	5.91	13.75

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
12.5
10.0
7.5
5.0
2.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

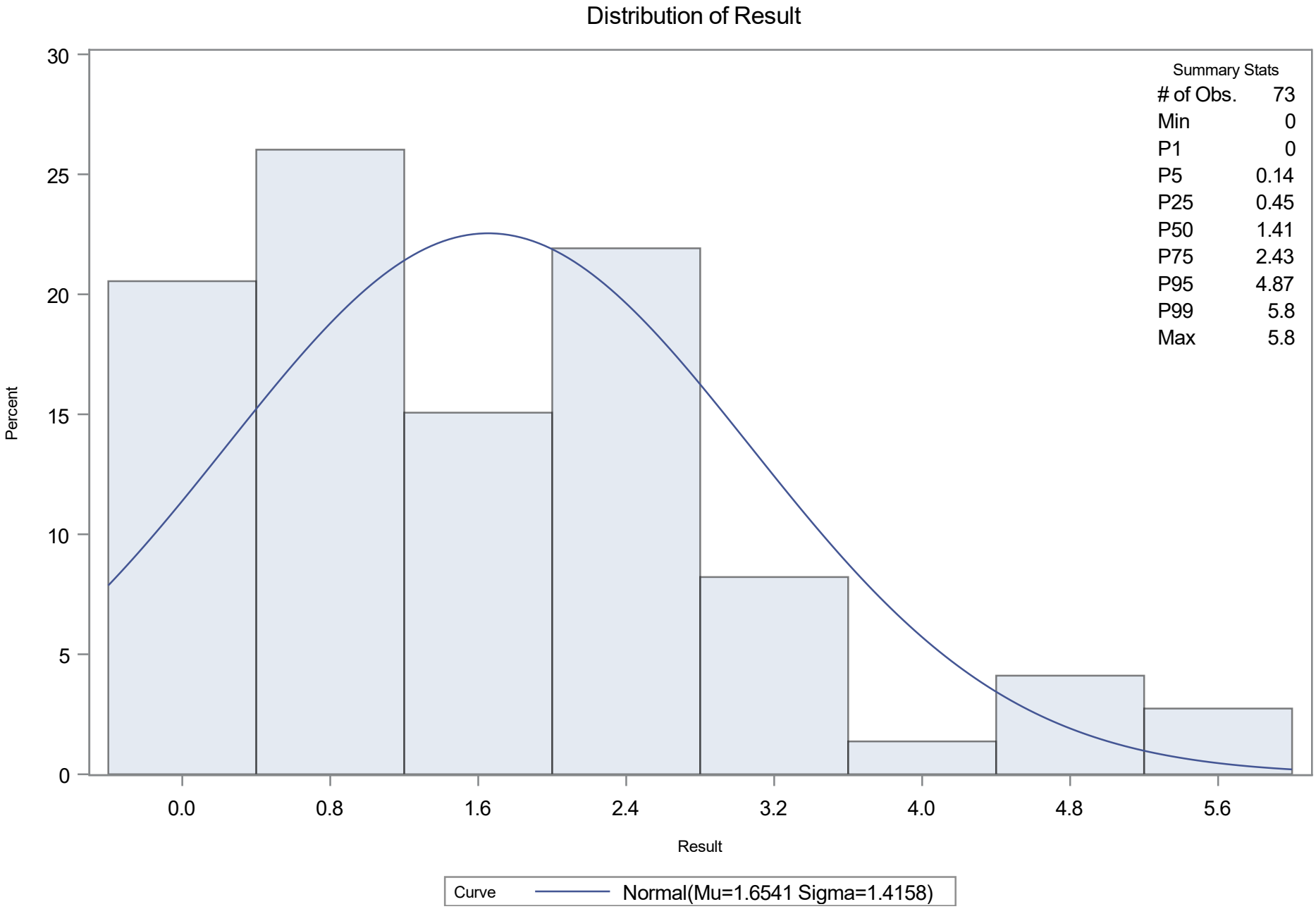
DRAFT Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.65411
Std Dev	Sigma	1.415791

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14121545	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.31657350	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.21578673	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.63951
5.0	0.14000	-0.67466
10.0	0.23000	-0.16030
25.0	0.45000	0.69917
50.0	1.41000	1.65411
75.0	2.43000	2.60905
90.0	3.42000	3.46852
95.0	4.87000	3.98288
99.0	5.80000	4.94773

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.39	1.82	1.89	2.71	4.96
P3	16	0.21	0.37	1.51	1.24	2.28	4.33
P4	14	0.37	0.88	2.23	2.17	2.46	5.77
P5	22	0.14	0.45	1.24	0.72	1.76	5.80

Period of Record: January 1996 through December 2023
Analysis Days Only

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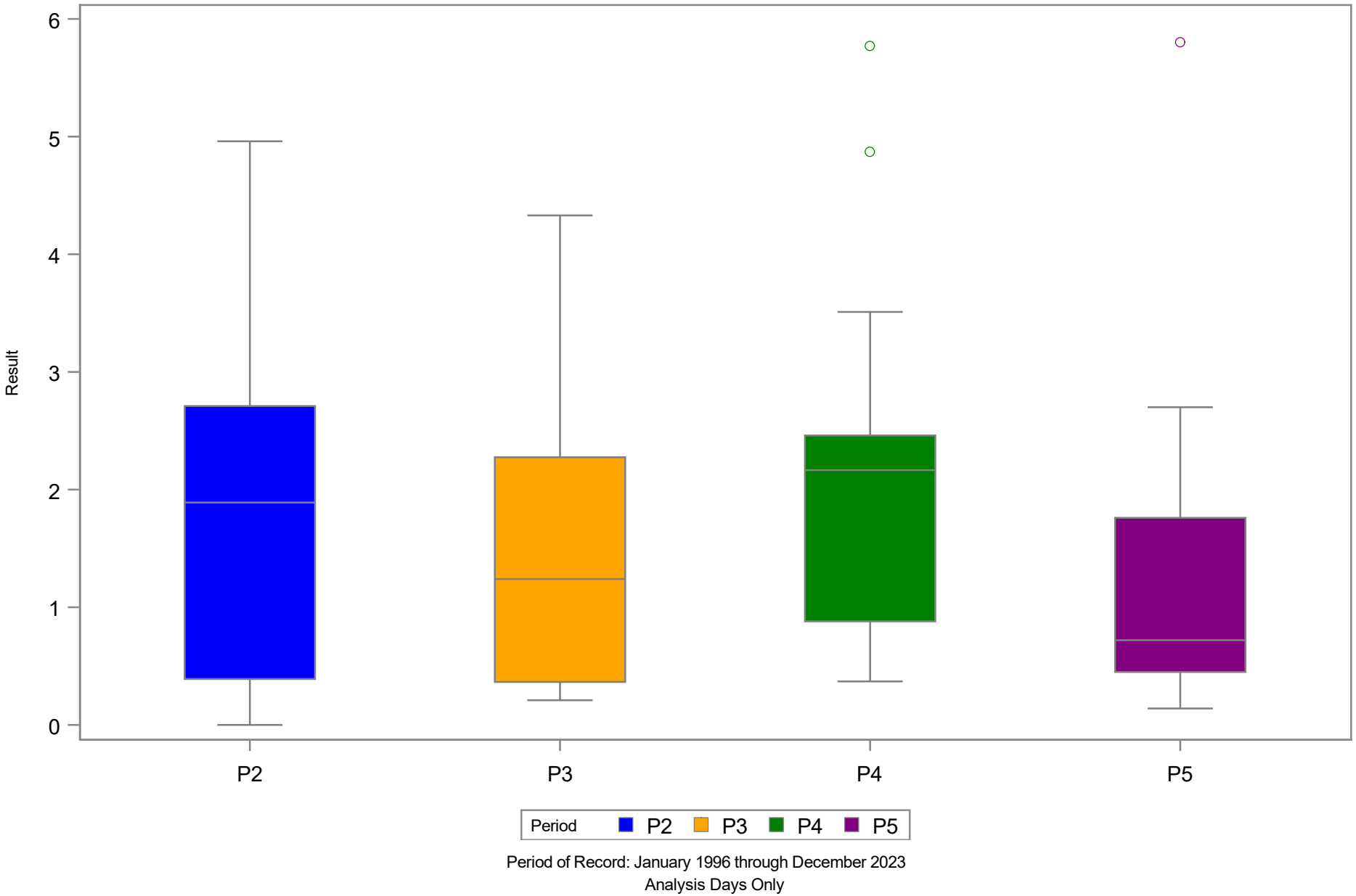
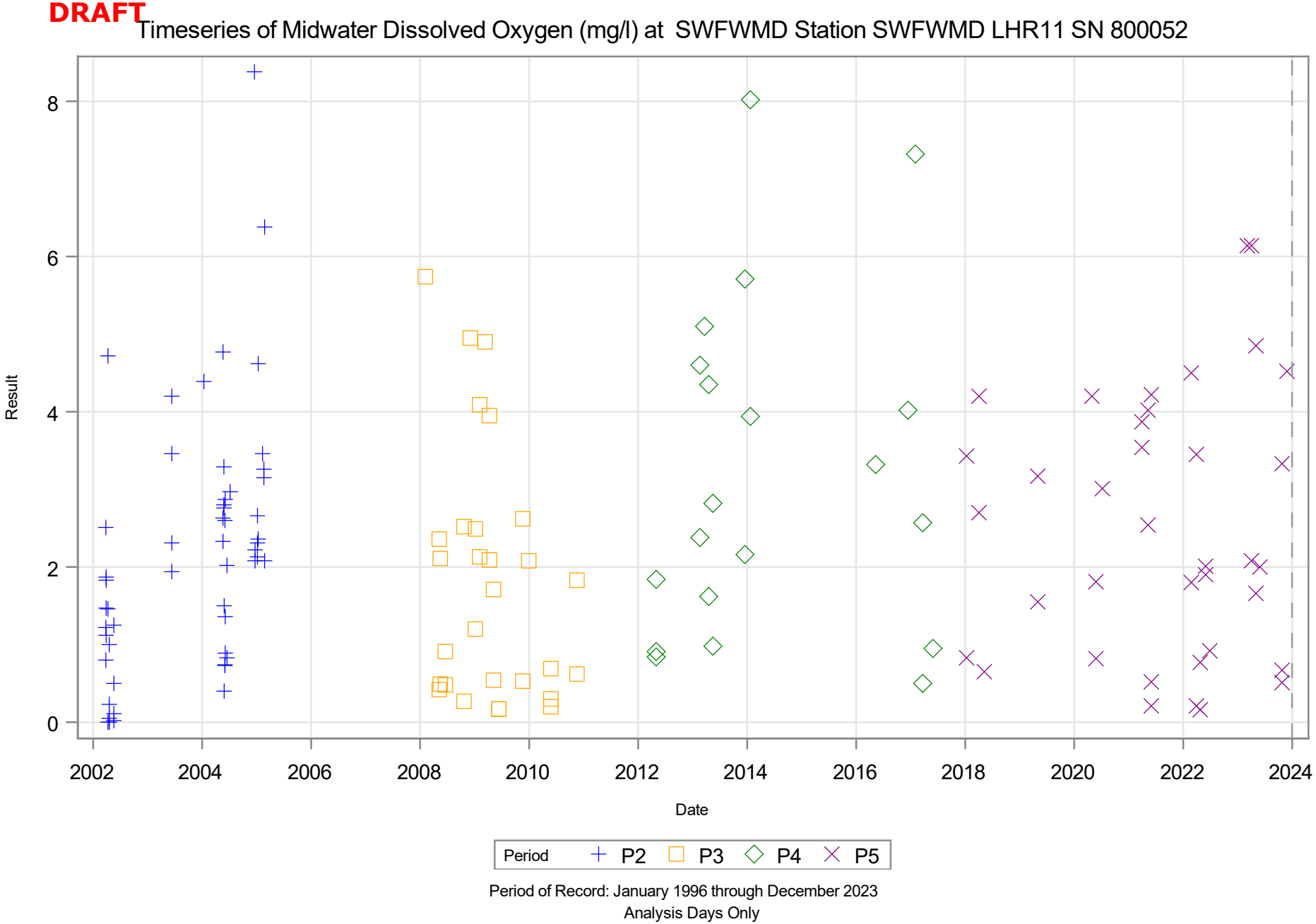
Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052



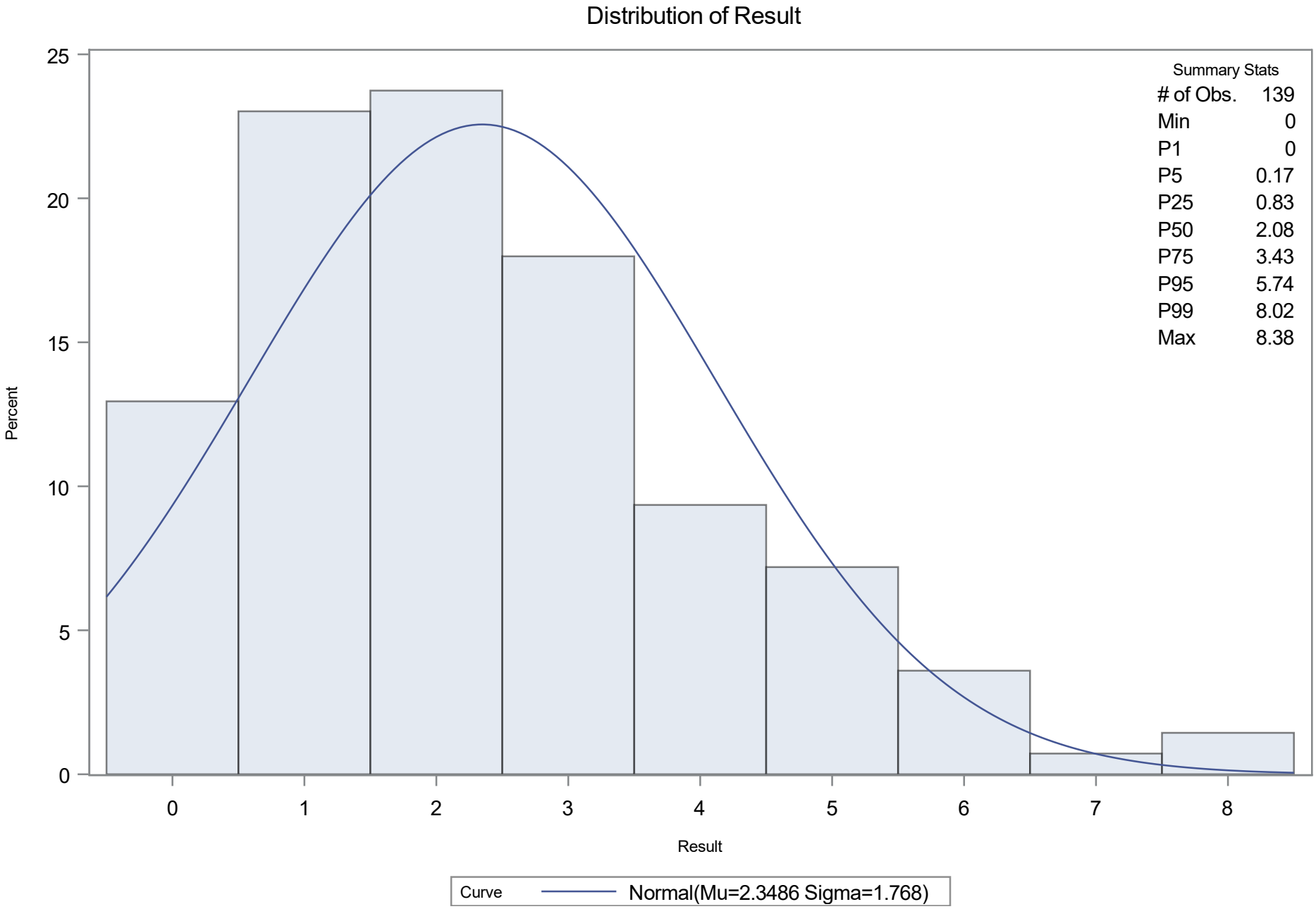
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.348633
Std Dev	Sigma	1.767964

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09201646	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.32203255	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.20765862	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.76427
5.0	0.17000	-0.55941
10.0	0.30000	0.08290
25.0	0.83000	1.15616
50.0	2.08000	2.34863
75.0	3.43000	3.54111
90.0	4.72000	4.61437
95.0	5.74000	5.25667
99.0	8.02000	6.46153

Period of Record: January 1996 through December 2023
Analysis Days Only

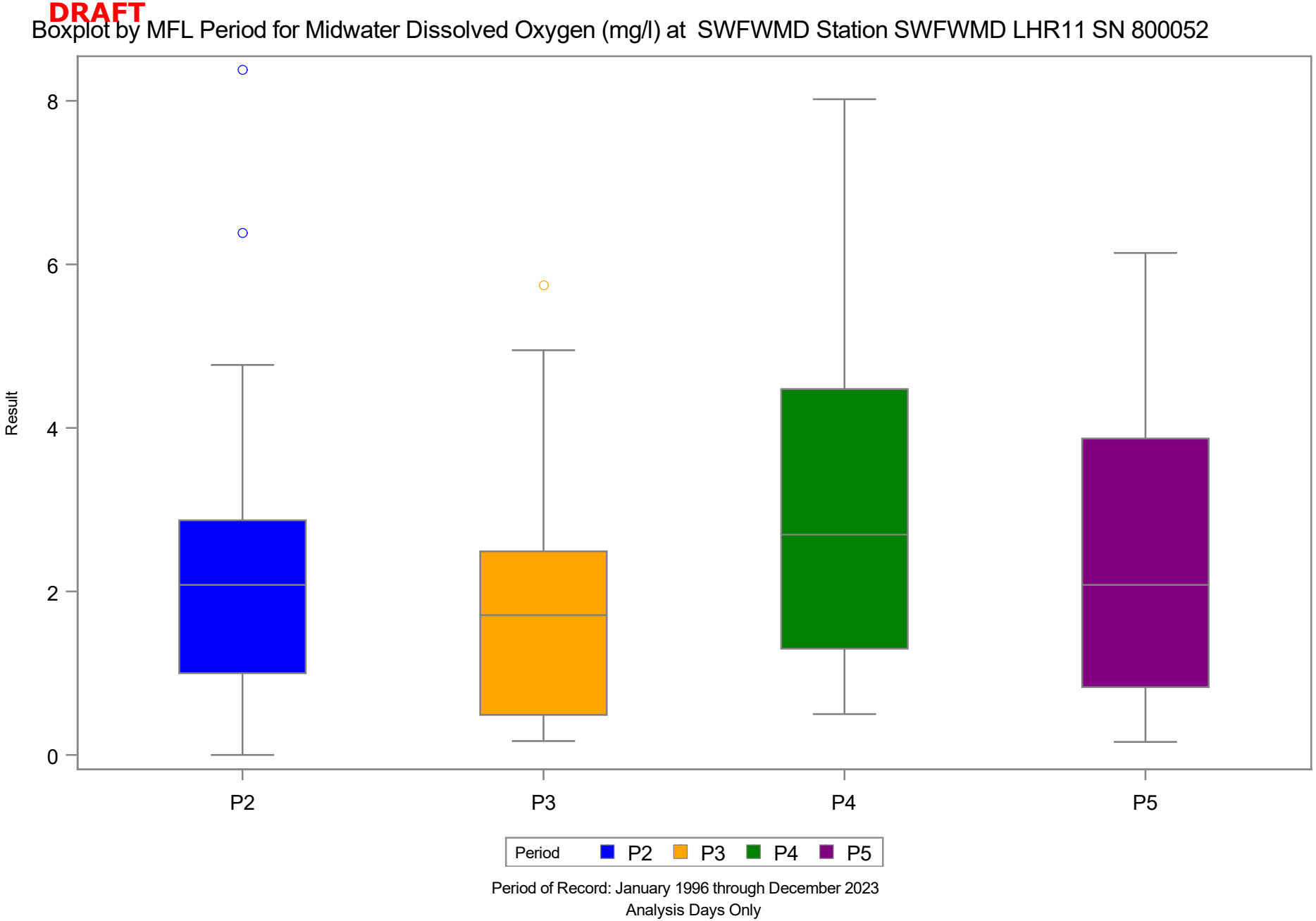
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052

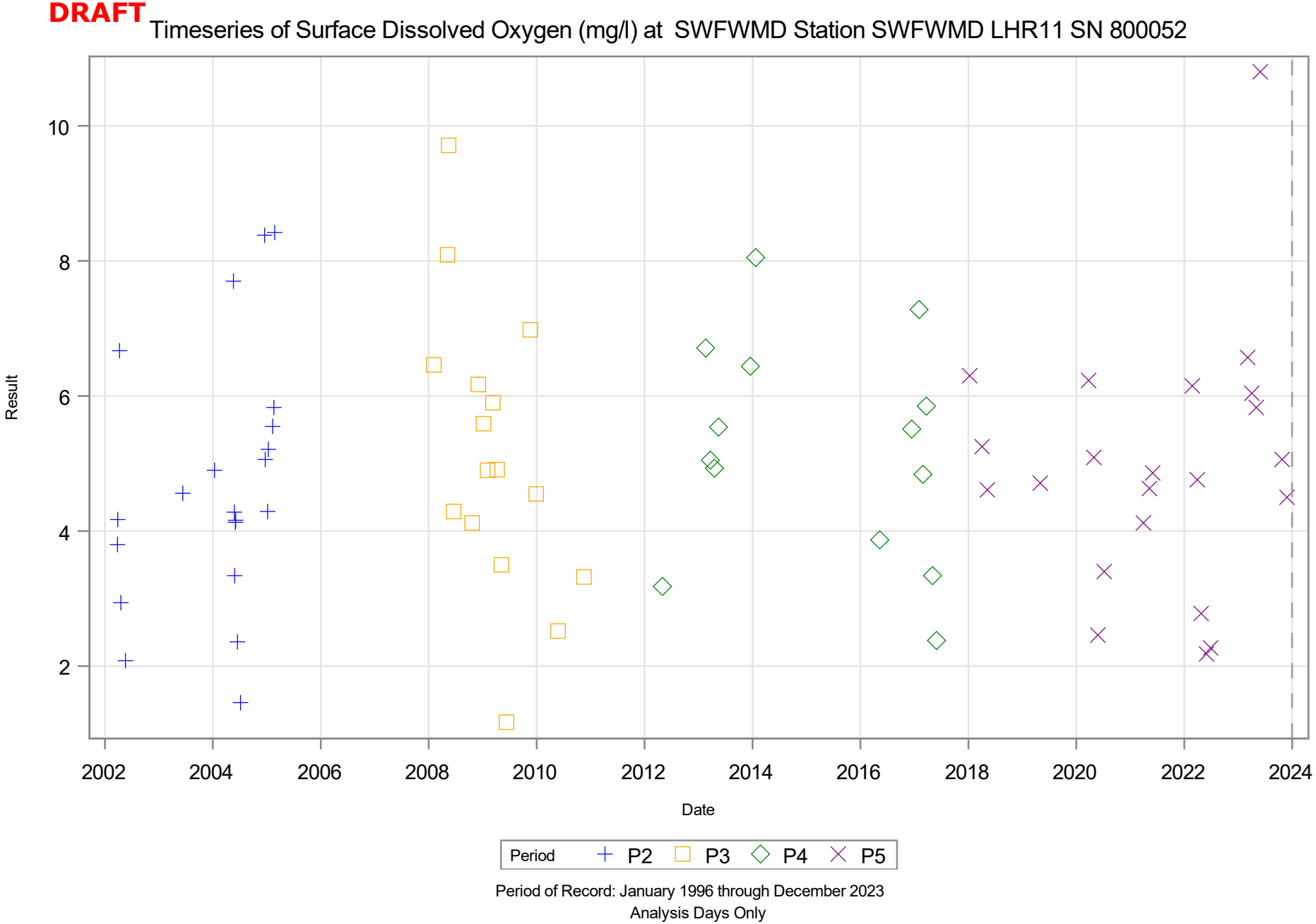
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	53	0.00	1.00	2.21	2.08	2.87	8.38
P3	29	0.17	0.49	1.81	1.71	2.49	5.74
P4	20	0.50	1.30	3.20	2.70	4.48	8.02
P5	37	0.16	0.83	2.51	2.08	3.87	6.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

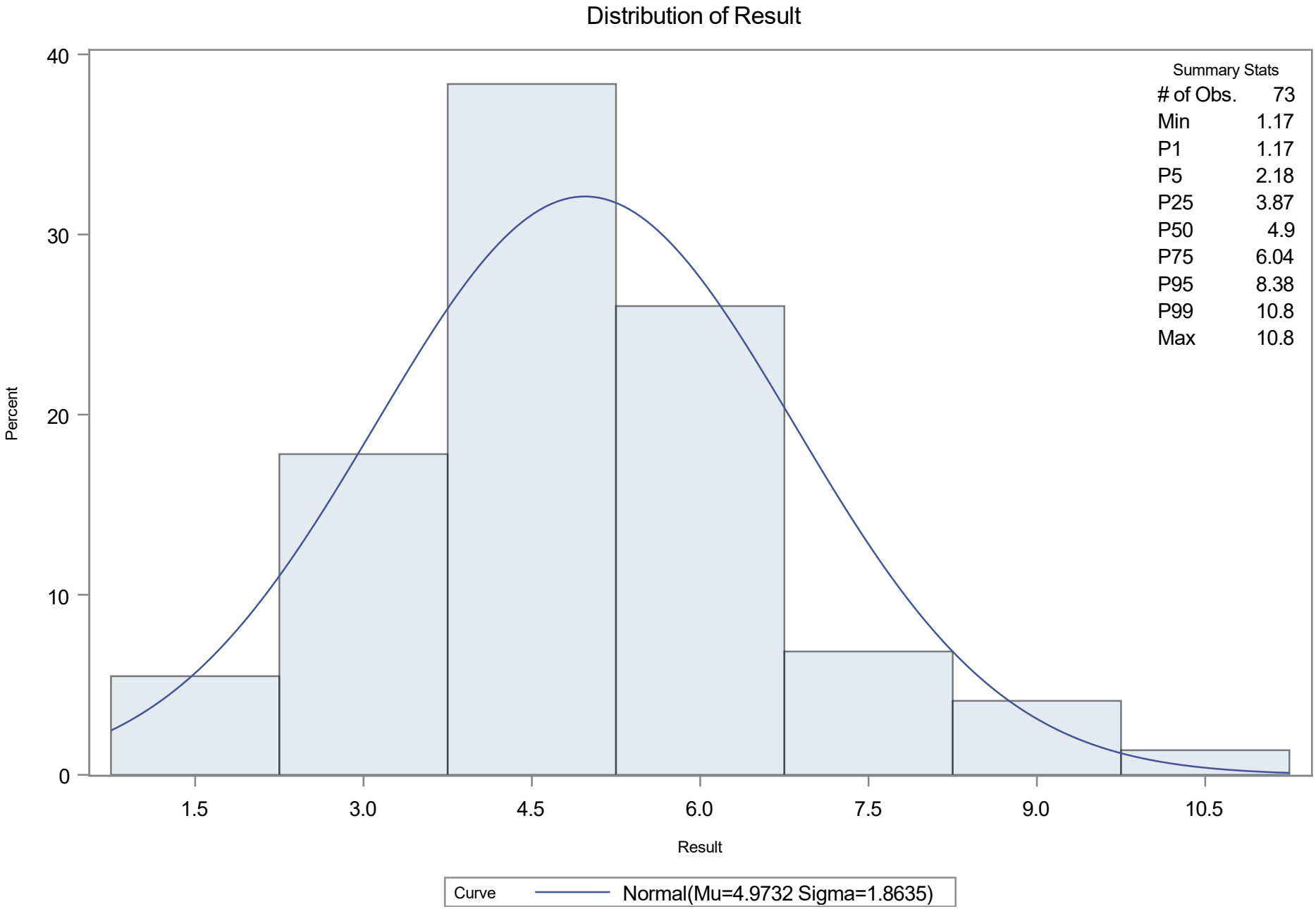

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
10
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.973151
Std Dev	Sigma	1.863549

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07774140	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06514951	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41749375	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.17000	0.63789
5.0	2.18000	1.90789
10.0	2.46000	2.58492
25.0	3.87000	3.71621
50.0	4.90000	4.97315
75.0	6.04000	6.23010
90.0	7.28000	7.36138
95.0	8.38000	8.03842
99.0	10.80000	9.30841

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

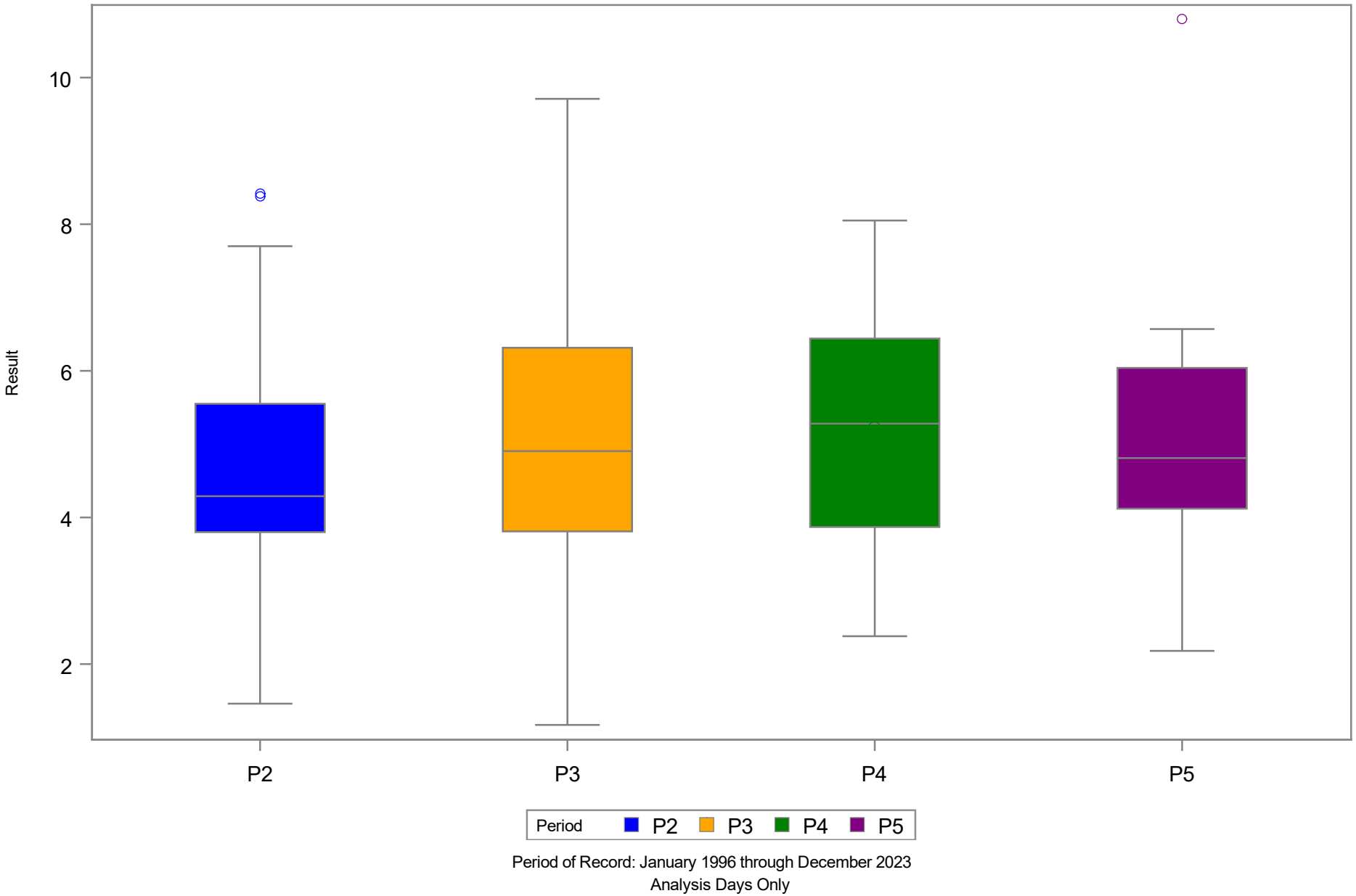
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.46	3.80	4.73	4.29	5.55	8.42
P3	16	1.17	3.81	5.14	4.91	6.32	9.71
P4	14	2.38	3.87	5.21	5.28	6.44	8.05
P5	22	2.18	4.12	4.94	4.81	6.04	10.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

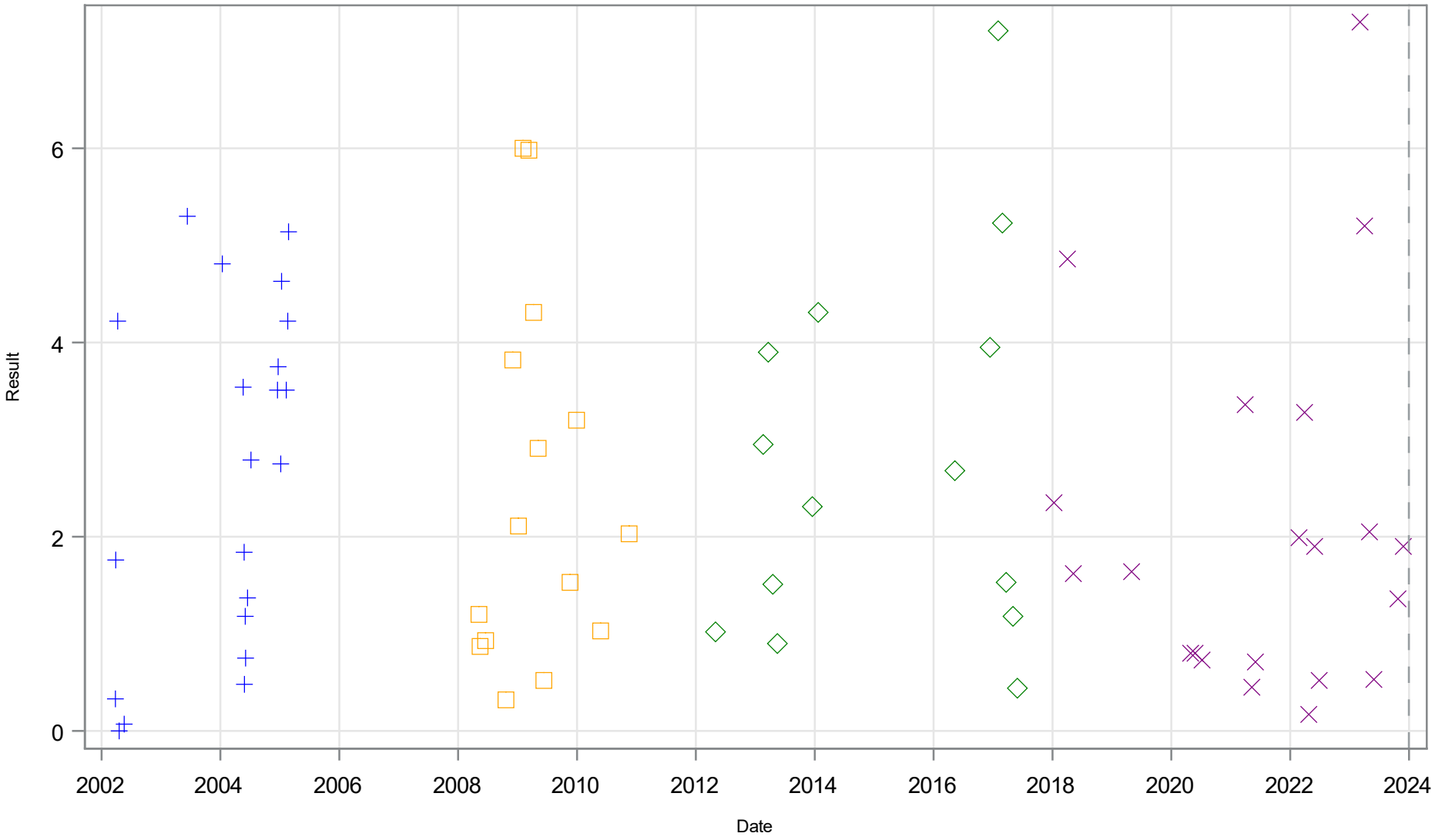
Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

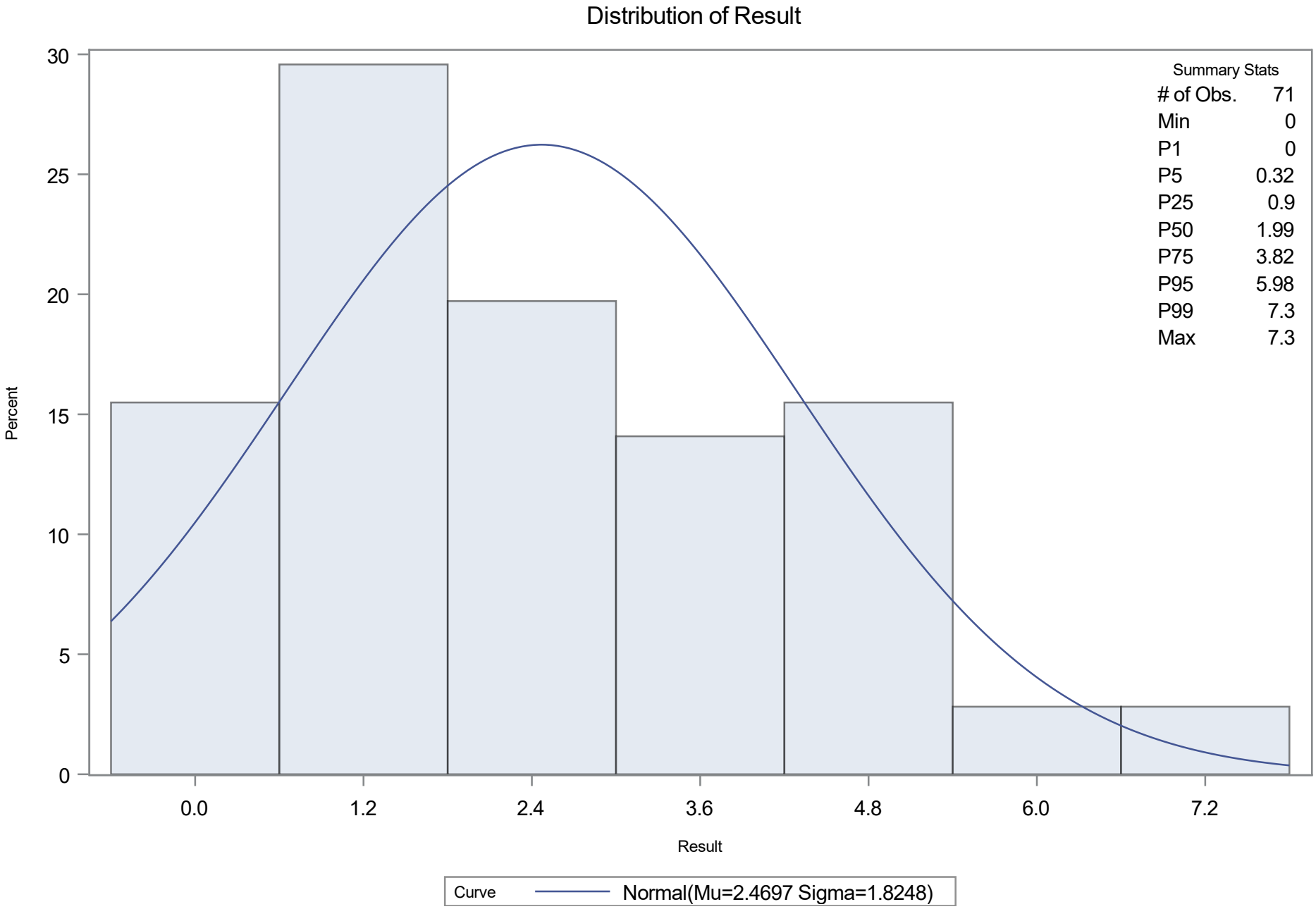
Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.469718
Std Dev	Sigma	1.824793

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12743221	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24806654	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.50898989	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.77538
5.0	0.32000	-0.53180
10.0	0.48000	0.13115
25.0	0.90000	1.23891
50.0	1.99000	2.46972
75.0	3.82000	3.70052
90.0	5.14000	4.80828
95.0	5.98000	5.47124
99.0	7.30000	6.71482

Period of Record: January 1996 through December 2023
Analysis Days Only

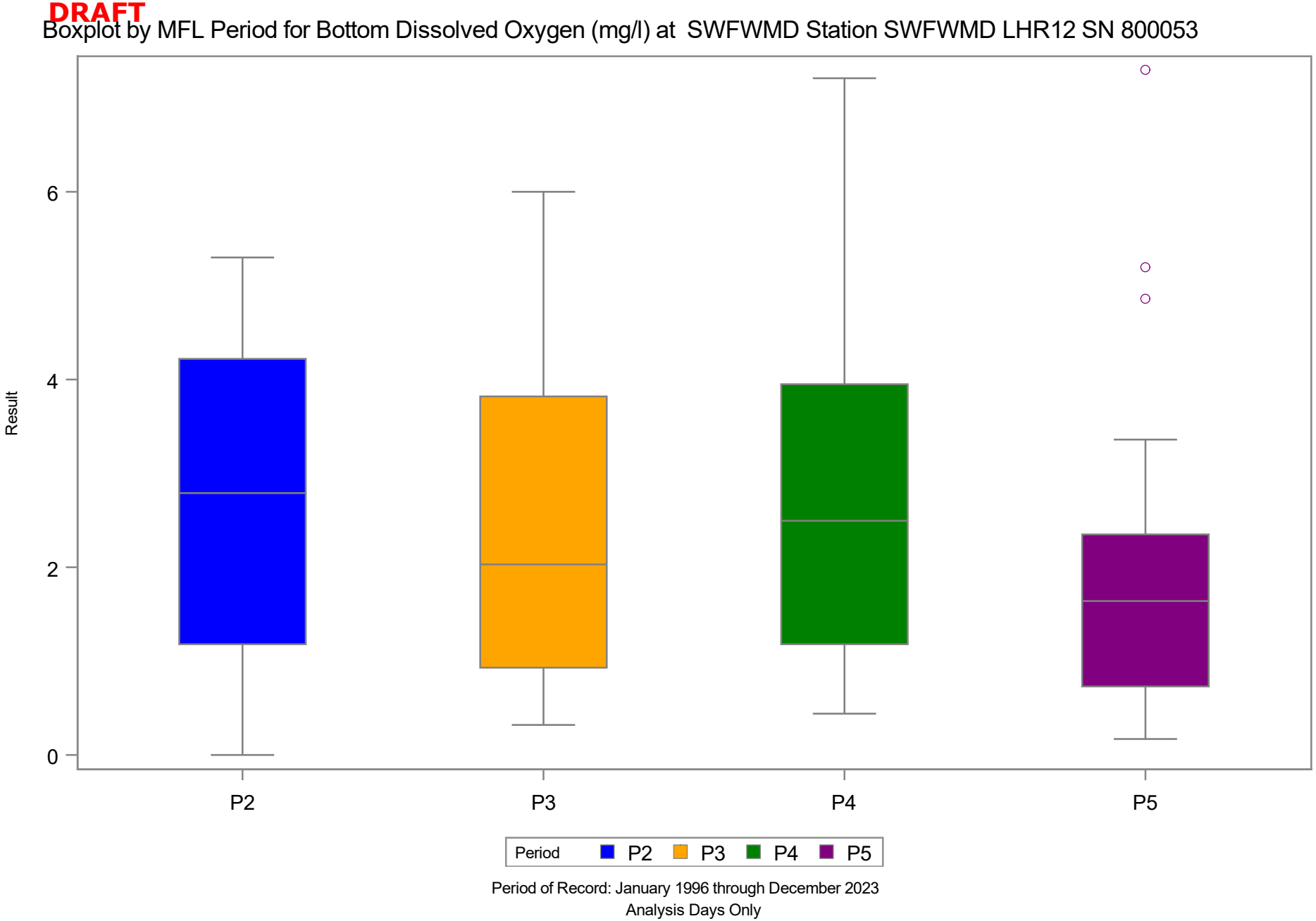
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053

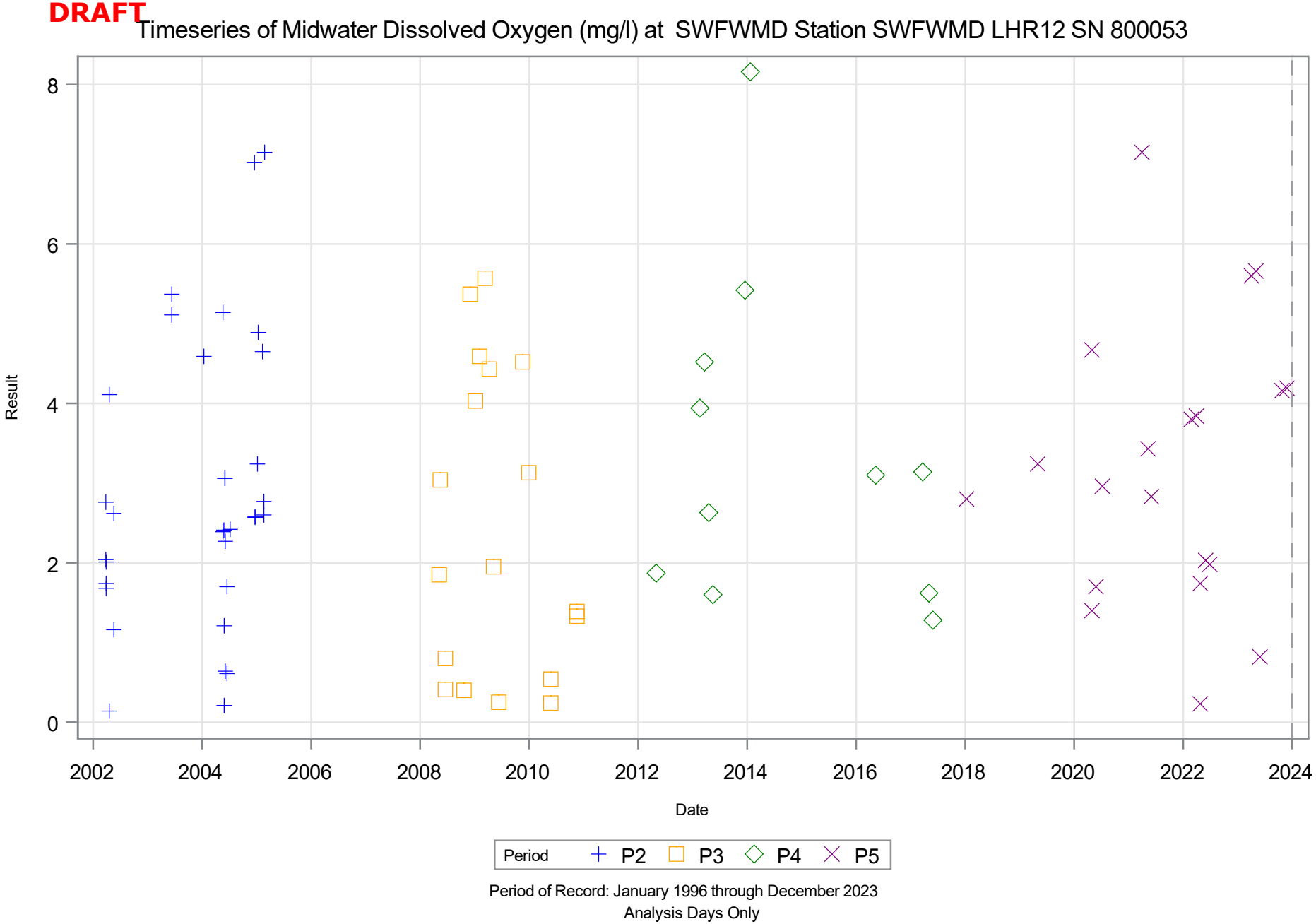
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	1.18	2.66	2.79	4.22	5.30
P3	15	0.32	0.93	2.45	2.03	3.82	6.00
P4	14	0.44	1.18	2.79	2.50	3.95	7.21
P5	21	0.17	0.73	2.07	1.64	2.35	7.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

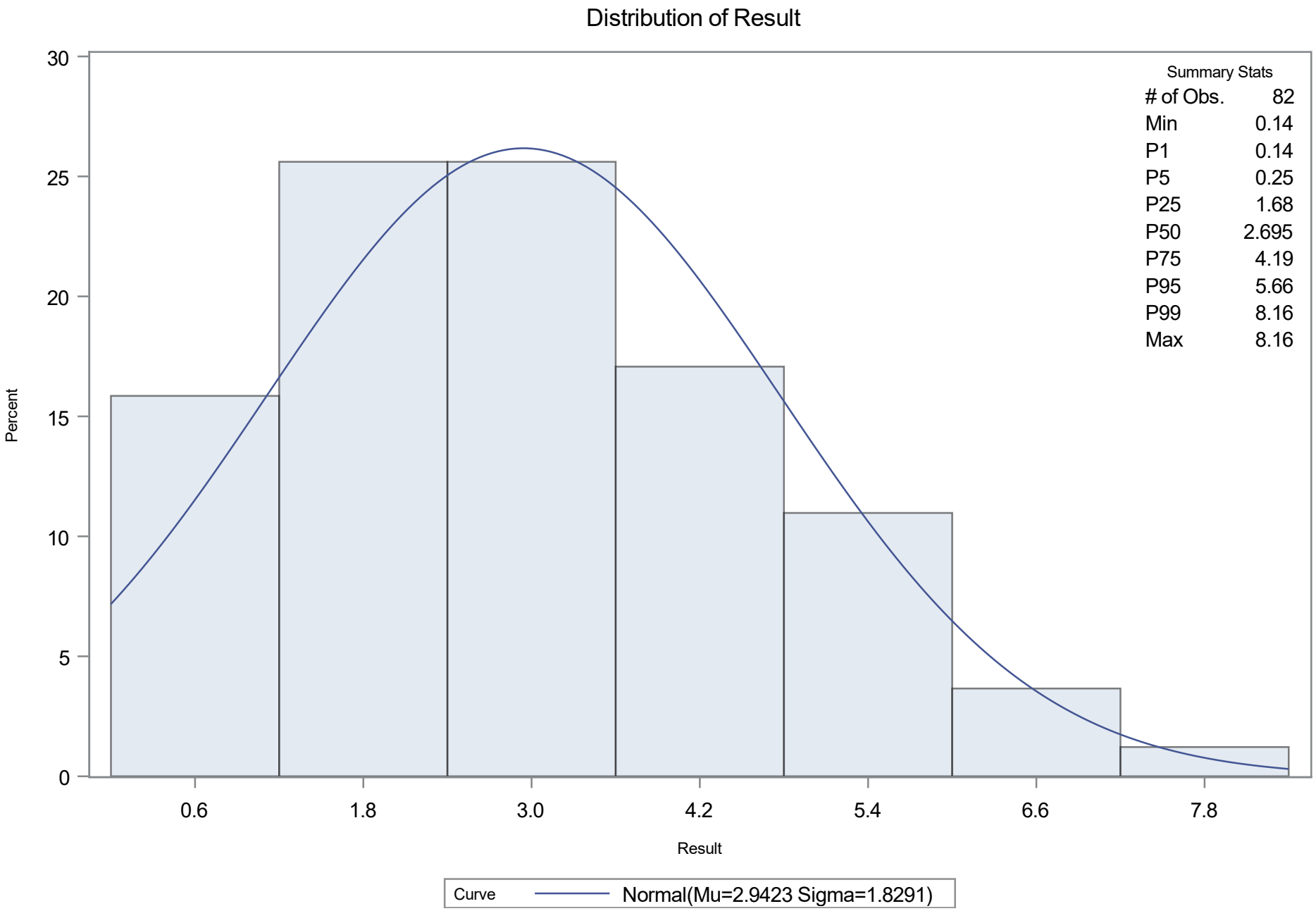

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
0
2
4
6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.942317
Std Dev	Sigma	1.829069

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09389379	**Pr > D**	0.074
Cramer-von Mises	**W-Sq**	0.11577942	**Pr > W-Sq**	0.072
Anderson-Darling	**A-Sq**	0.74677452	**Pr > A-Sq**	0.050

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.14000	-1.31273
5.0	0.25000	-0.06623
10.0	0.61000	0.59827
25.0	1.68000	1.70863
50.0	2.69500	2.94232
75.0	4.19000	4.17601
90.0	5.37000	5.28636
95.0	5.66000	5.95087
99.0	8.16000	7.19737

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

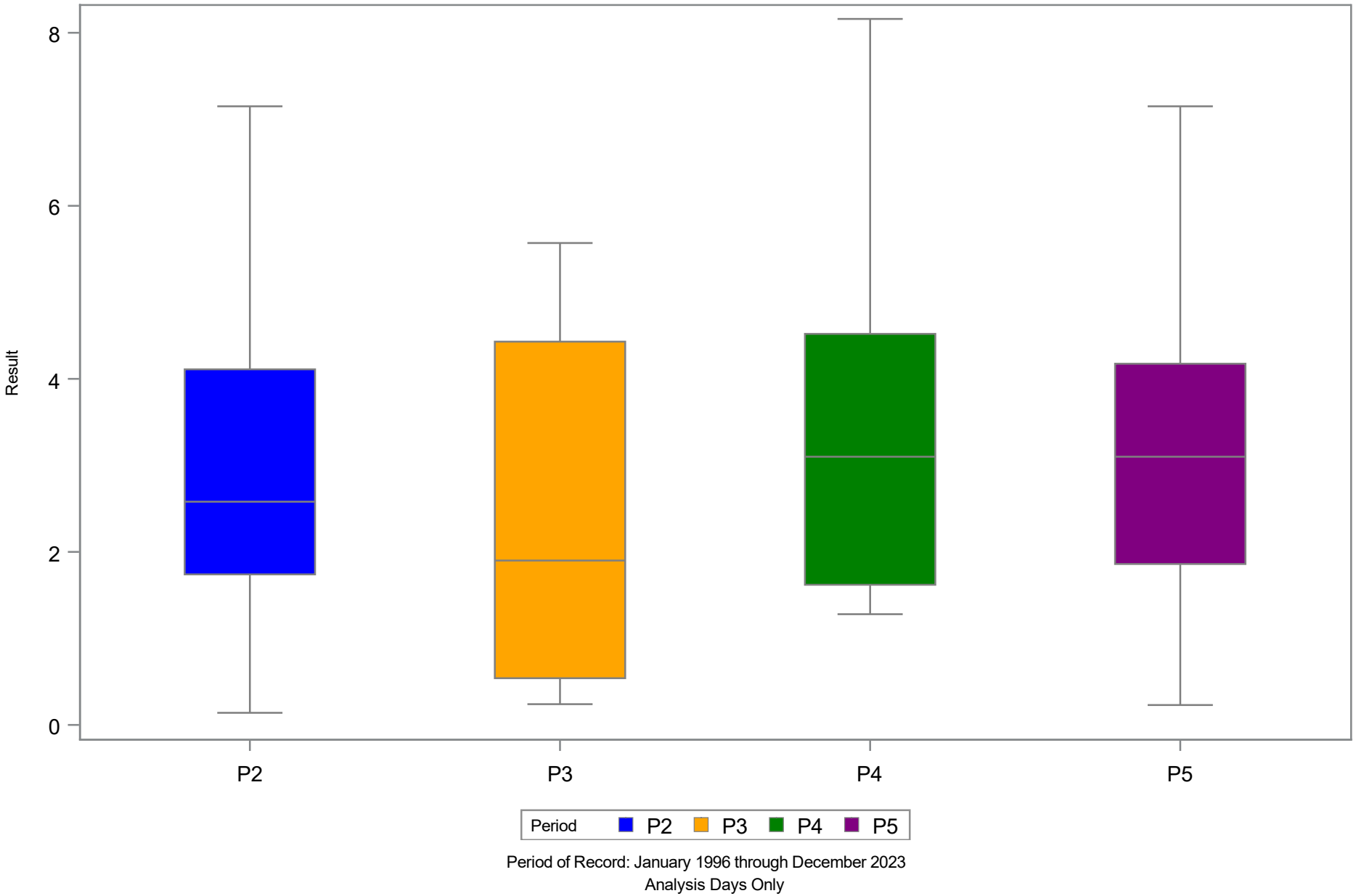
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	33	0.14	1.74	2.91	2.58	4.11	7.15
P3	18	0.24	0.54	2.44	1.90	4.43	5.57
P4	11	1.28	1.62	3.39	3.10	4.52	8.16
P5	20	0.23	1.86	3.21	3.10	4.18	7.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

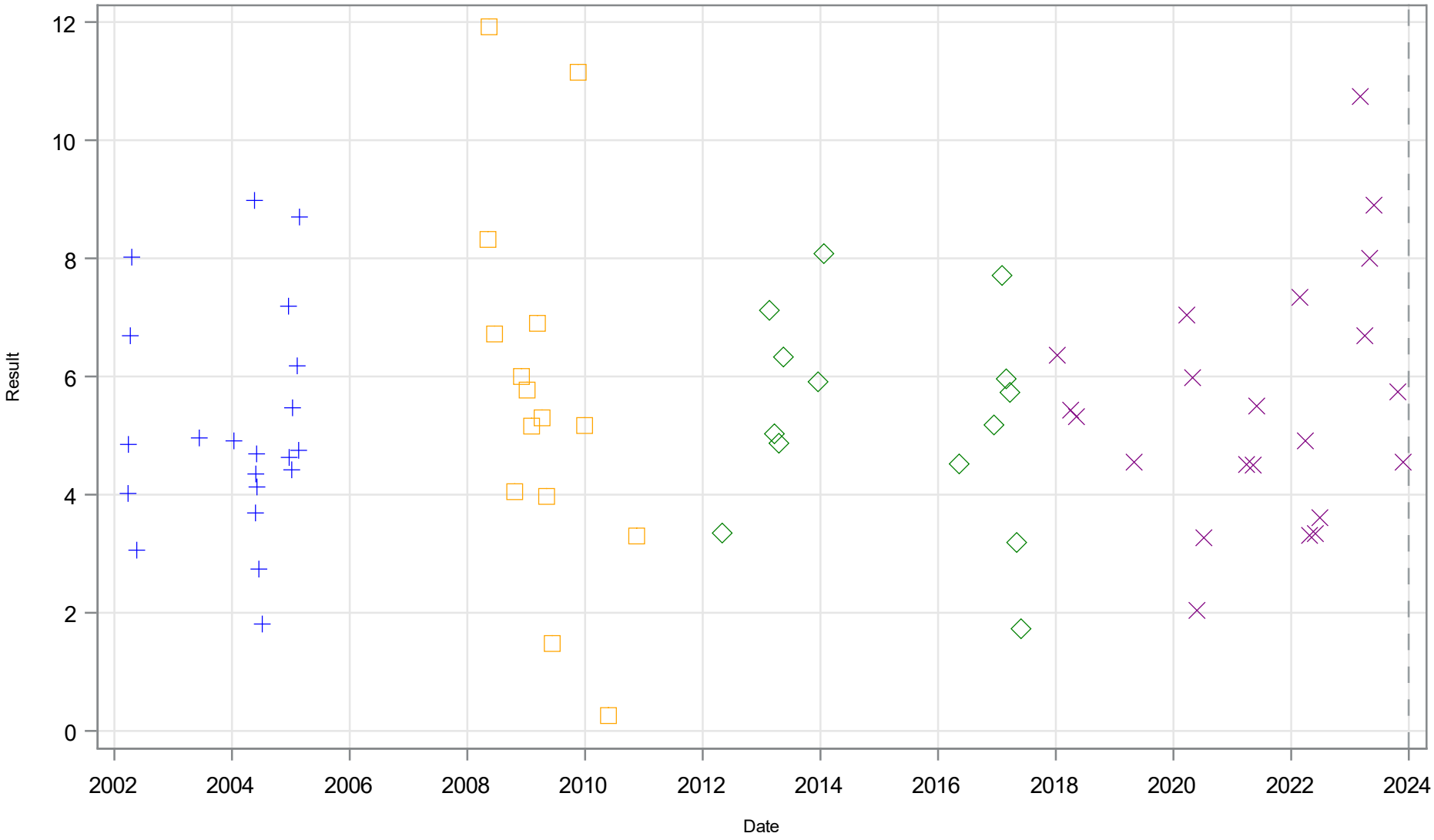
Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

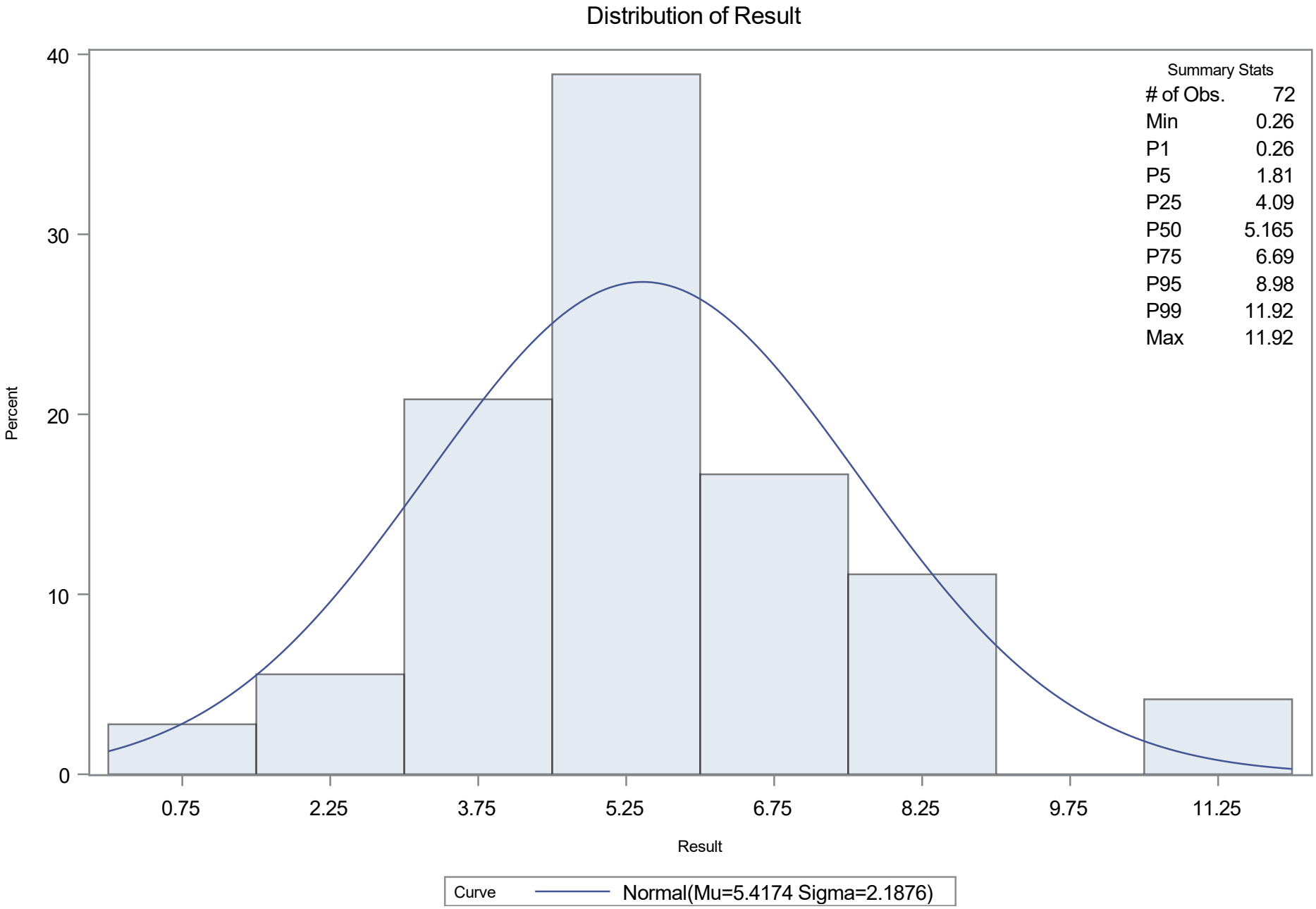
Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.417361
Std Dev	Sigma	2.187629

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08943564	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.11064127	**Pr > W-Sq**	0.083
Anderson-Darling	**A-Sq**	0.64404509	**Pr > A-Sq**	0.092

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.26000	0.32817
5.0	1.81000	1.81903
10.0	3.19000	2.61380
25.0	4.09000	3.94183
50.0	5.16500	5.41736
75.0	6.69000	6.89289
90.0	8.08000	8.22092
95.0	8.98000	9.01569
99.0	11.92000	10.50655

Period of Record: January 1996 through December 2023
Analysis Days Only

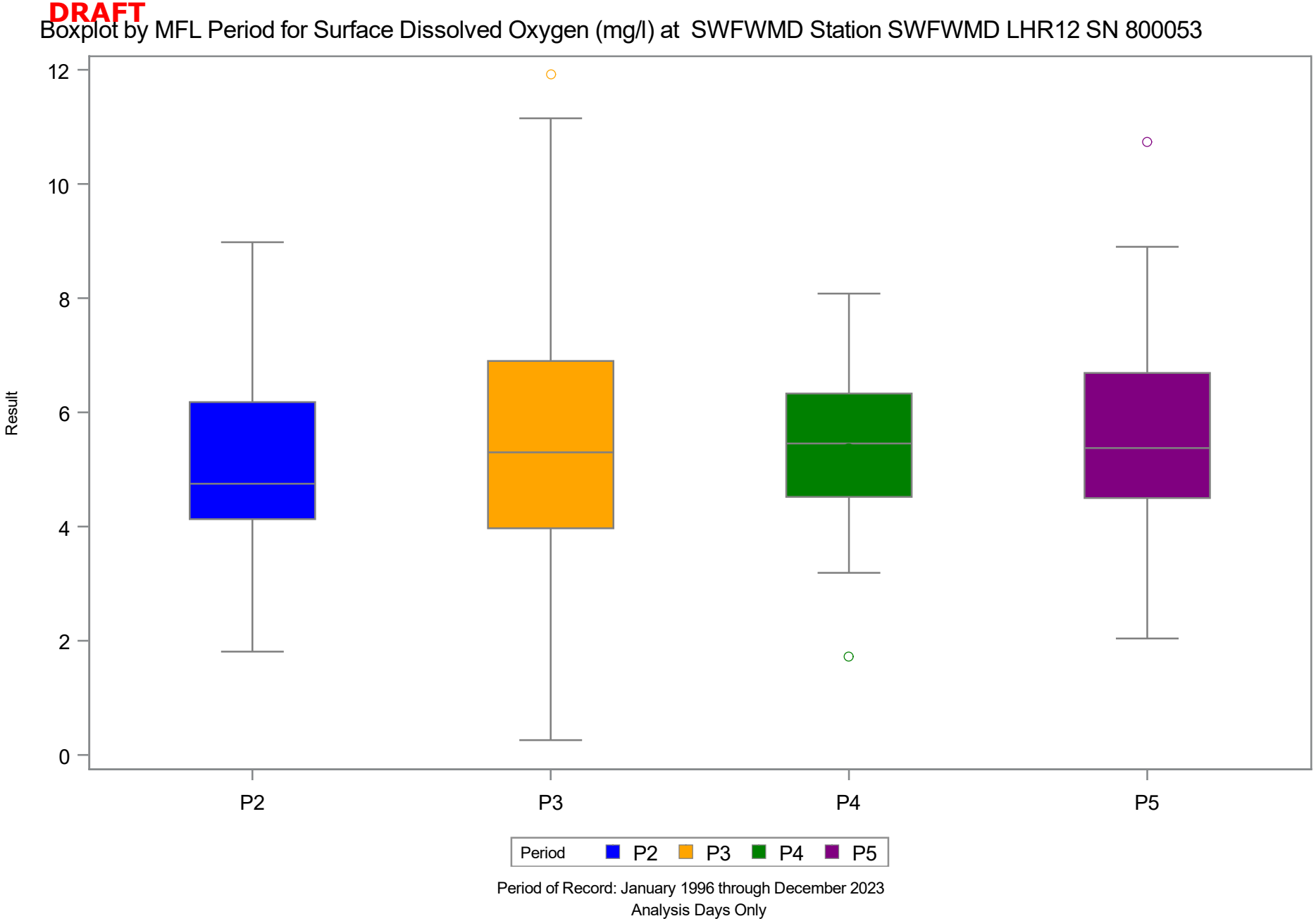
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.81	4.13	5.15	4.75	6.18	8.98
P3	15	0.26	3.97	5.70	5.30	6.90	11.92
P4	14	1.73	4.52	5.34	5.46	6.33	8.08
P5	22	2.04	4.50	5.53	5.38	6.69	10.74

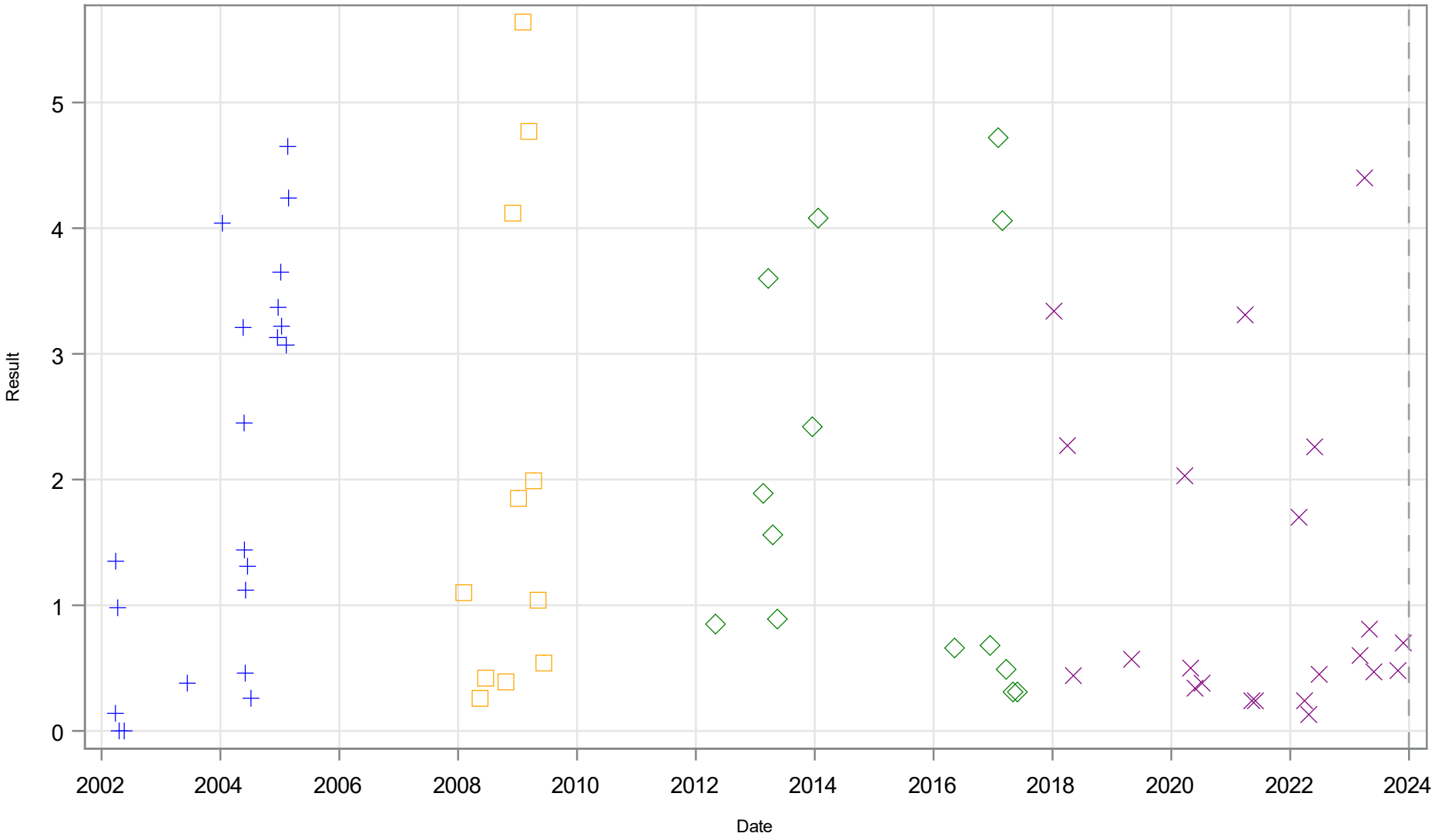
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
12
10
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

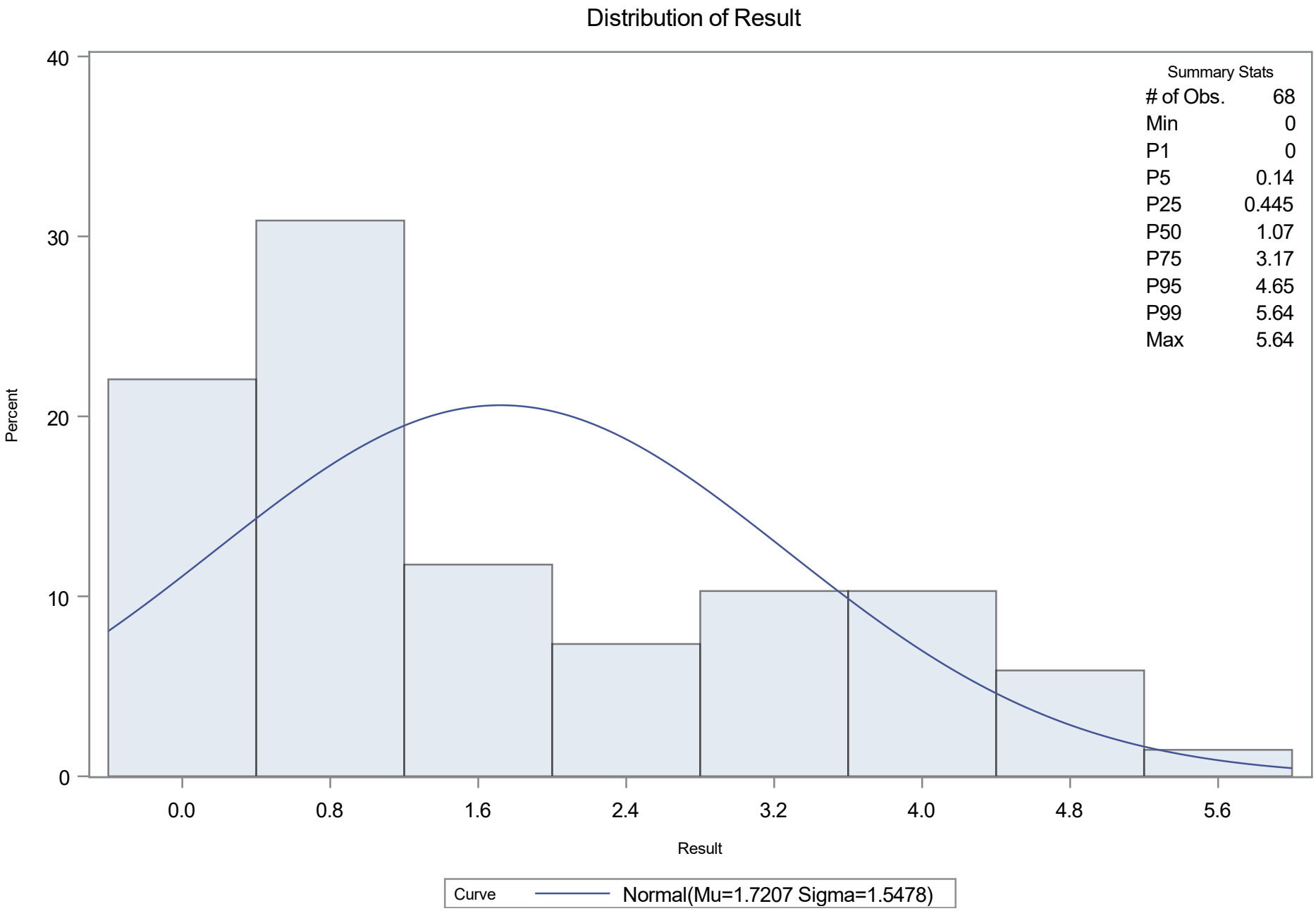
Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.720735
Std Dev	Sigma	1.547845

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18044471	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.60725414	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.51106429	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.88009
5.0	0.14000	-0.82524
10.0	0.24000	-0.26291
25.0	0.44500	0.67673
50.0	1.07000	1.72074
75.0	3.17000	2.76474
90.0	4.12000	3.70438
95.0	4.65000	4.26671
99.0	5.64000	5.32156

Period of Record: January 1996 through December 2023
Analysis Days Only

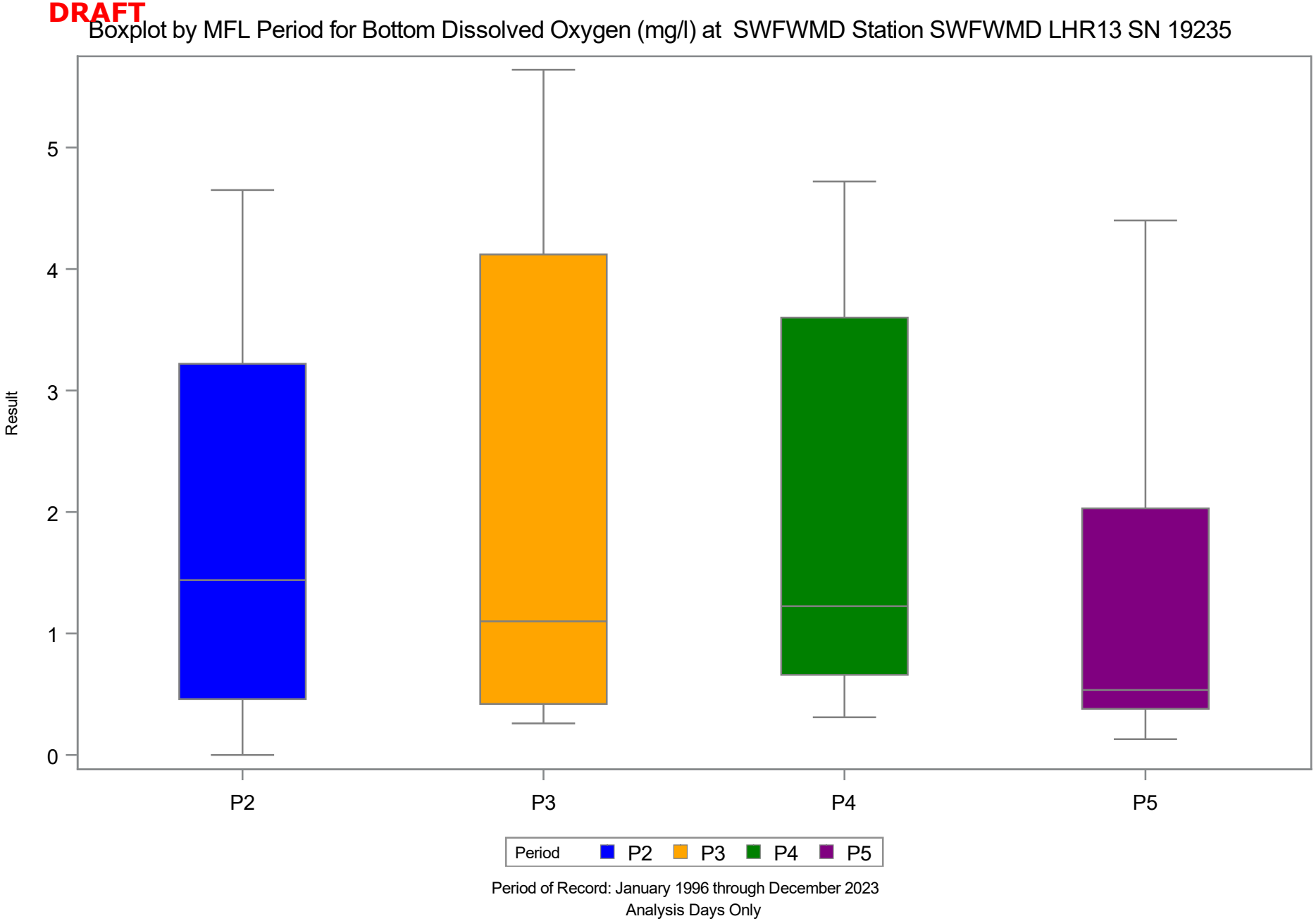
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

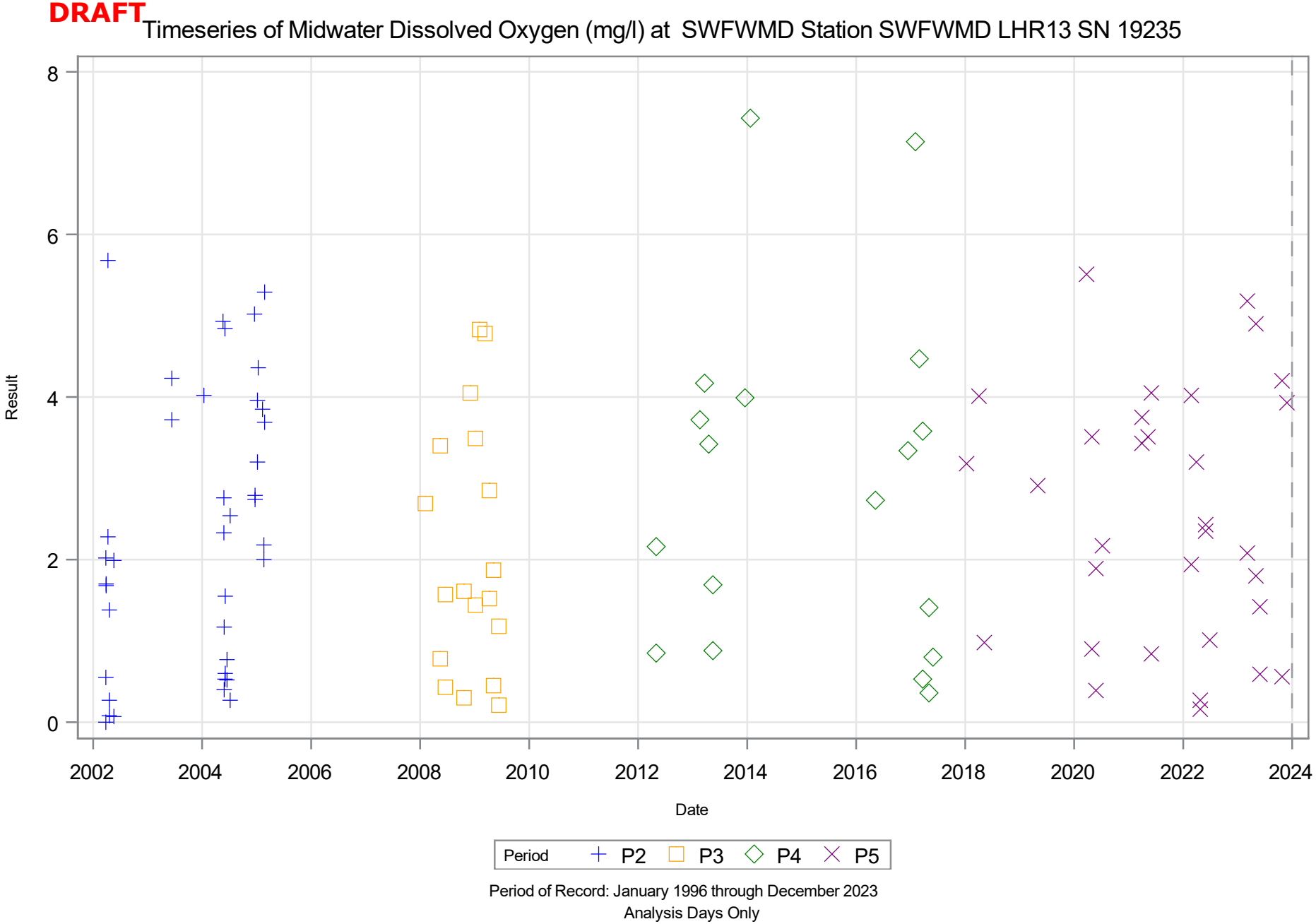
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.46	2.02	1.44	3.22	4.65
P3	11	0.26	0.42	2.01	1.10	4.12	5.64
P4	14	0.31	0.66	1.89	1.23	3.60	4.72
P5	22	0.13	0.38	1.18	0.54	2.03	4.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

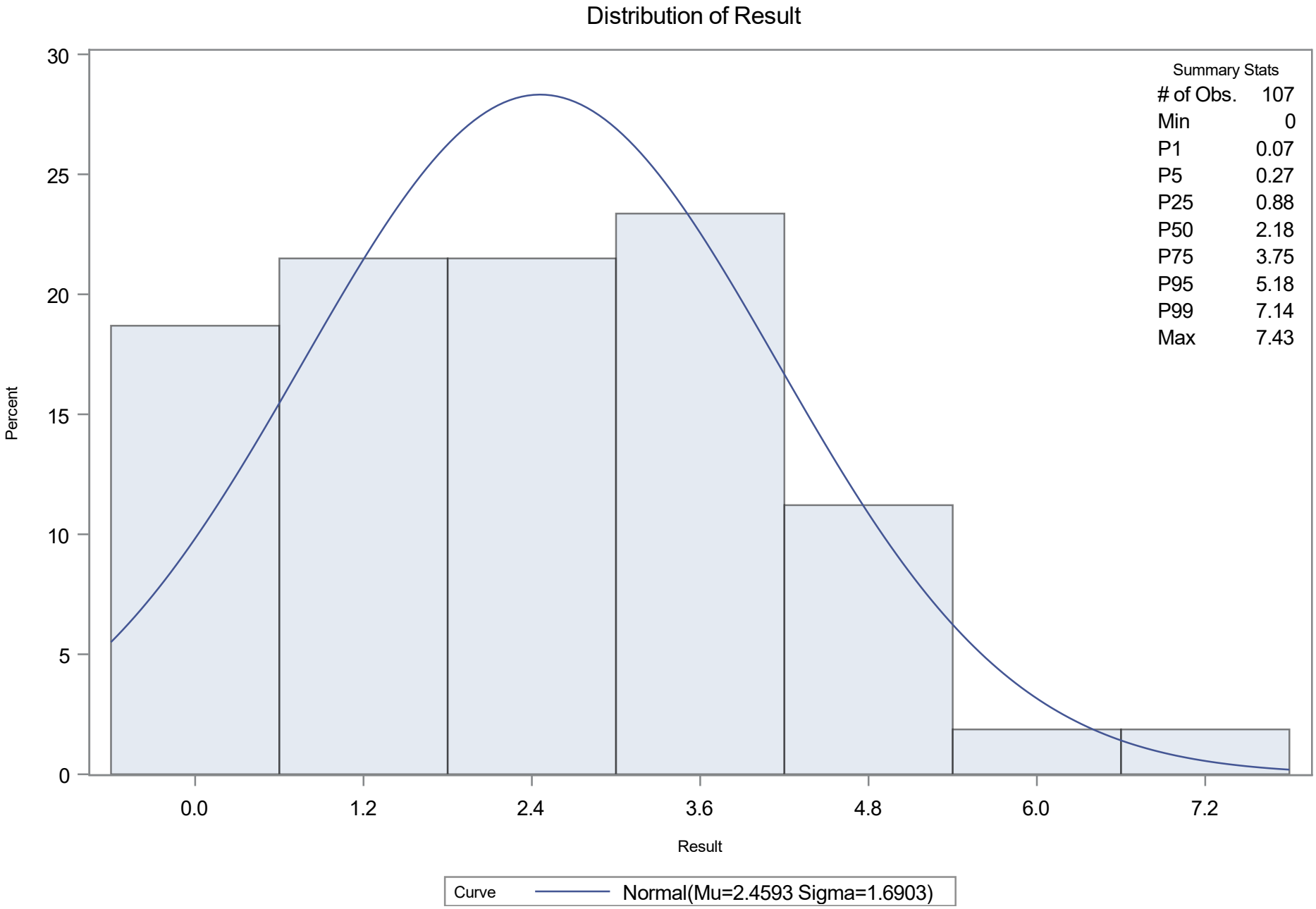

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
0
1
2
3
4
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.459346
Std Dev	Sigma	1.690336

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08477041	**Pr > D**	0.058
Cramer-von Mises	**W-Sq**	0.19427197	**Pr > W-Sq**	0.006
Anderson-Darling	**A-Sq**	1.34144066	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07000	-1.47296
5.0	0.27000	-0.32101
10.0	0.39000	0.29309
25.0	0.88000	1.31923
50.0	2.18000	2.45935
75.0	3.75000	3.59946
90.0	4.83000	4.62560
95.0	5.18000	5.23970
99.0	7.14000	6.39165

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

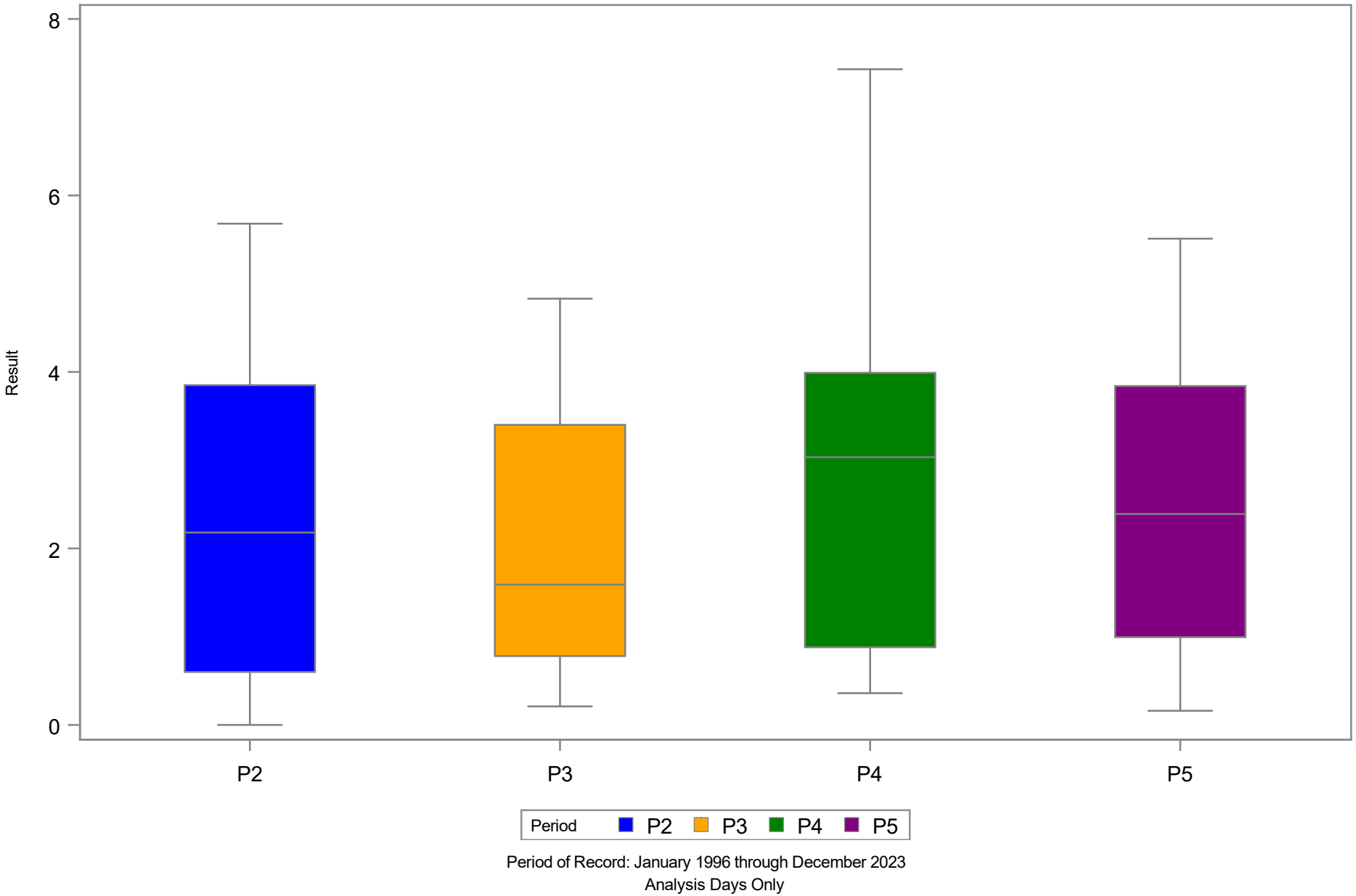
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	39	0.00	0.60	2.36	2.18	3.85	5.68
P3	18	0.21	0.78	2.08	1.59	3.40	4.83
P4	18	0.36	0.88	2.93	3.04	3.99	7.43
P5	32	0.16	1.00	2.53	2.39	3.84	5.51

Period of Record: January 1996 through December 2023
Analysis Days Only

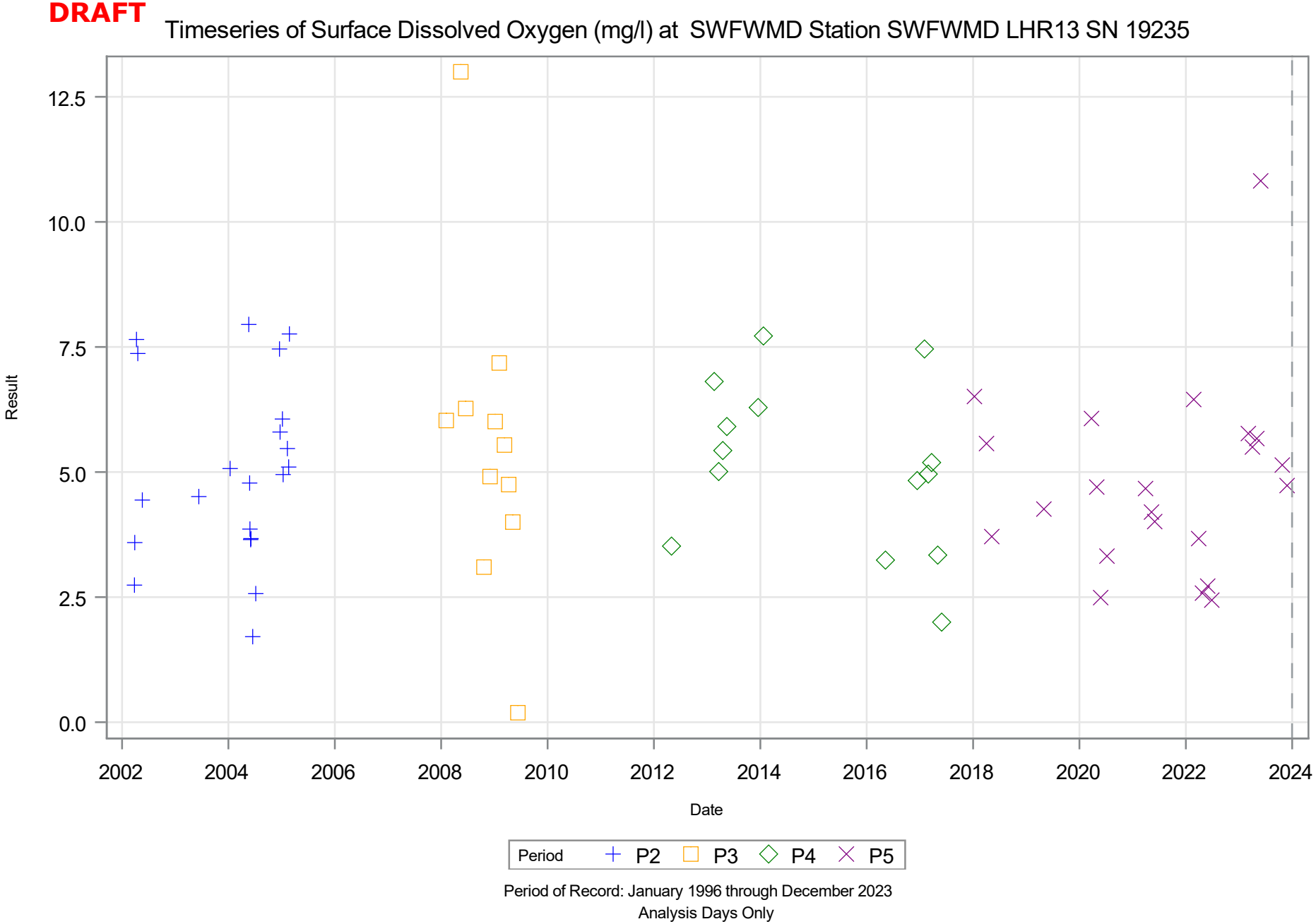
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



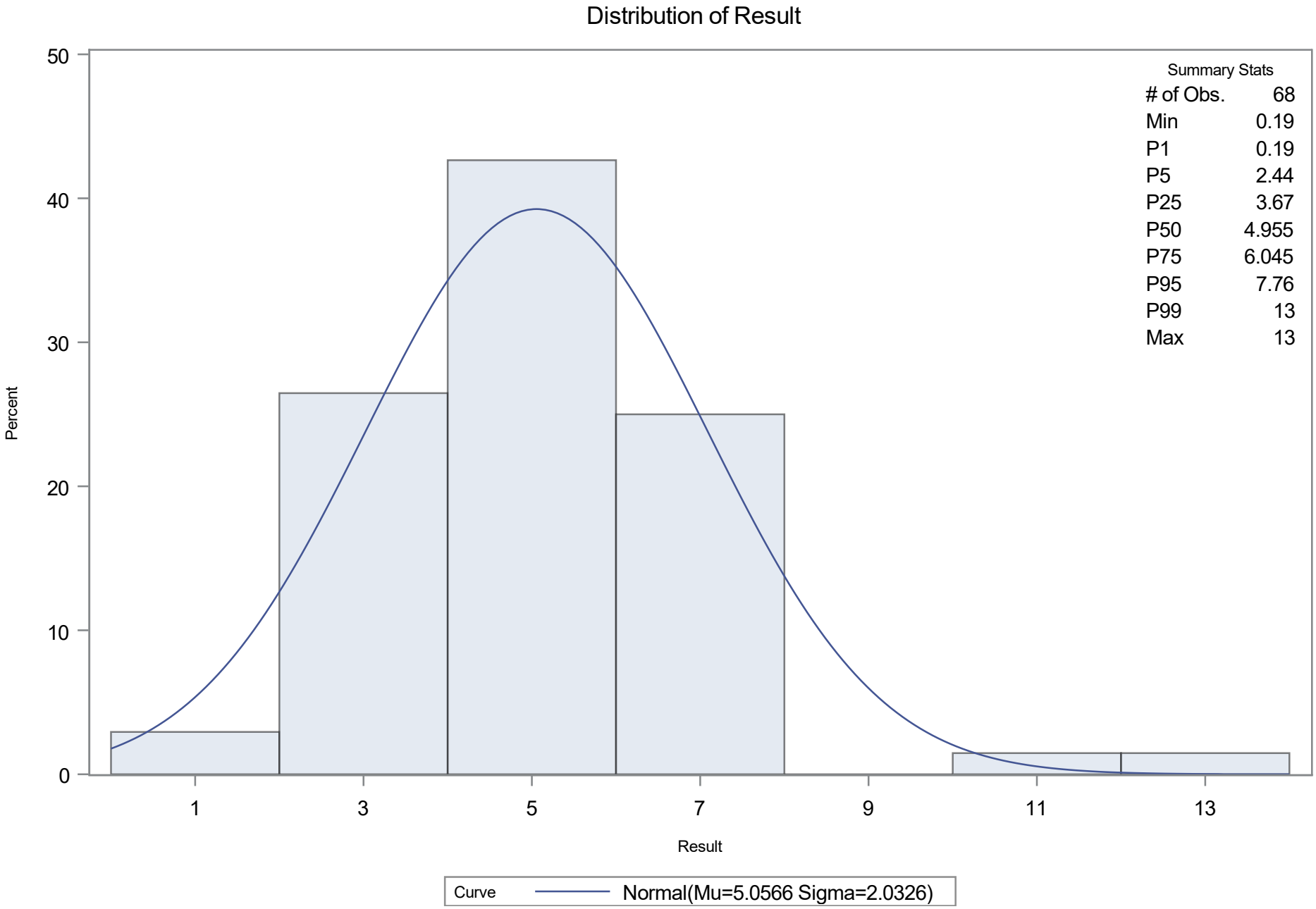
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
12.5
10.0
7.5
5.0
2.5
0.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.056618
Std Dev	Sigma	2.032646

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08845882	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08657979	**Pr > W-Sq**	0.172
Anderson-Darling	**A-Sq**	0.66695144	**Pr > A-Sq**	0.082

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.19000	0.32798
5.0	2.44000	1.71321
10.0	2.58000	2.45168
25.0	3.67000	3.68562
50.0	4.95500	5.05662
75.0	6.04500	6.42762
90.0	7.46000	7.66156
95.0	7.76000	8.40002
99.0	13.00000	9.78526

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.71	3.67	5.06	4.95	6.06	7.95
P3	11	0.19	4.00	5.54	5.54	6.27	13.00
P4	14	2.00	3.52	5.12	5.10	6.29	7.72
P5	22	2.44	3.67	4.77	4.69	5.67	10.82

Period of Record: January 1996 through December 2023
Analysis Days Only

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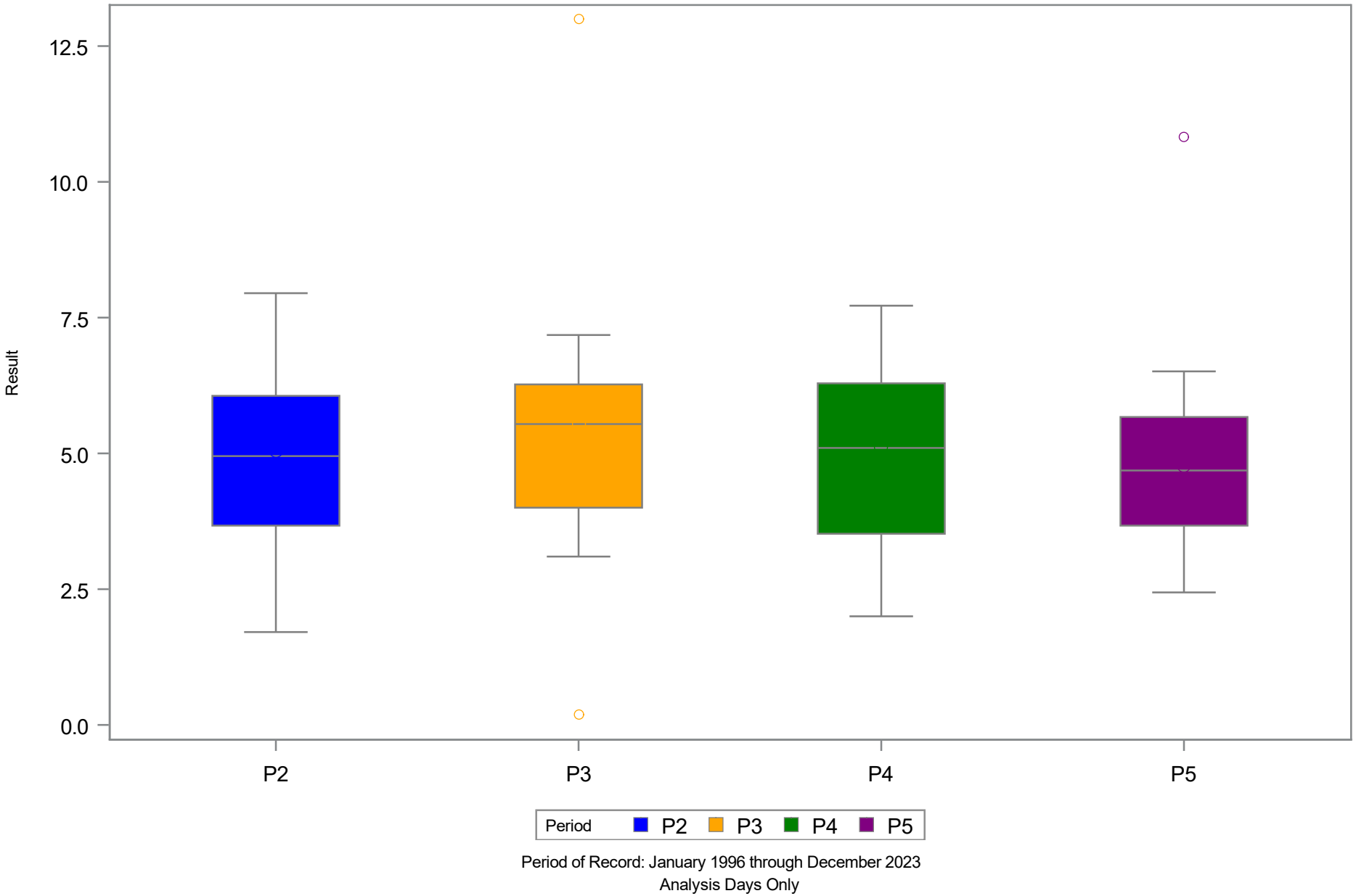
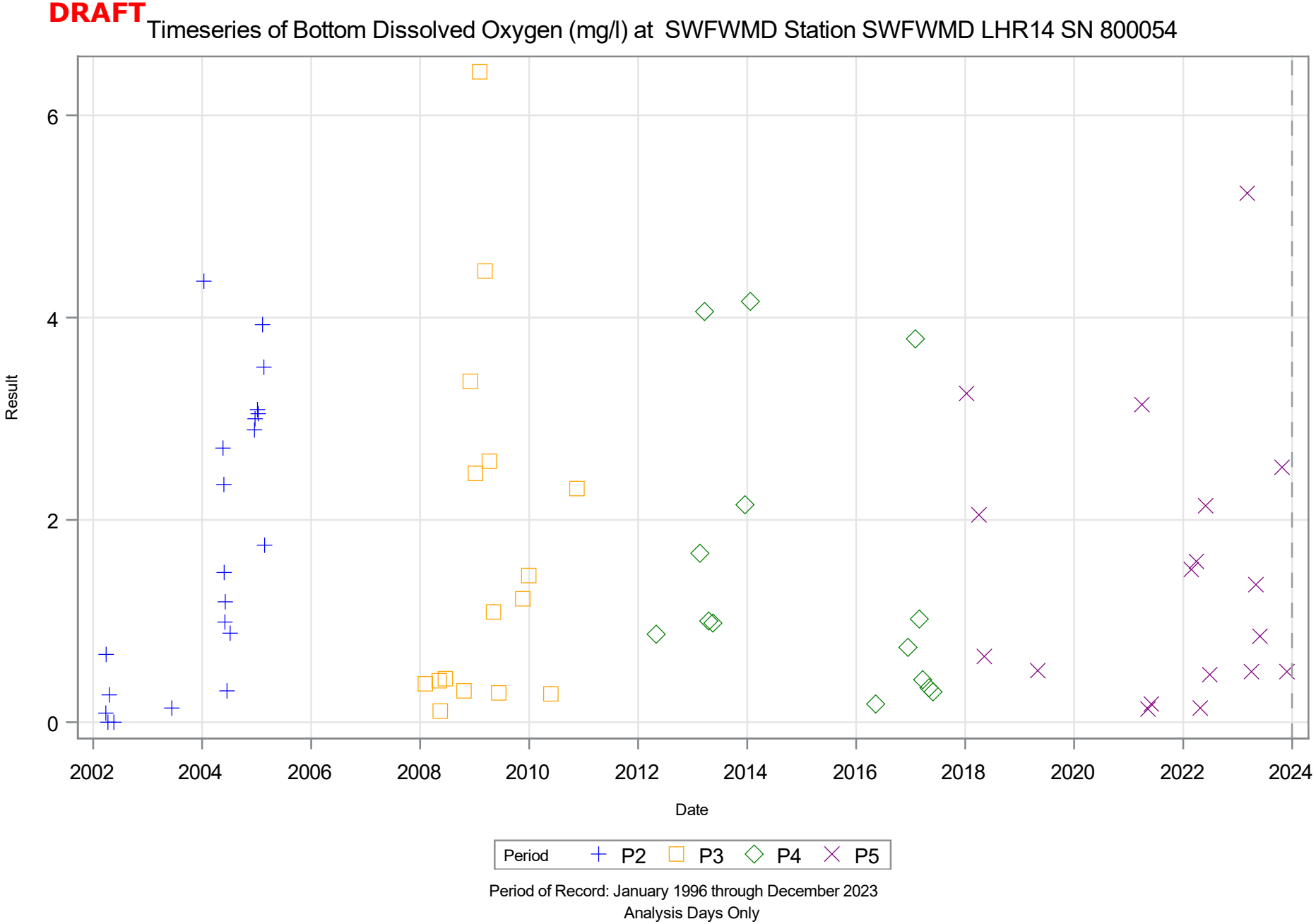
Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



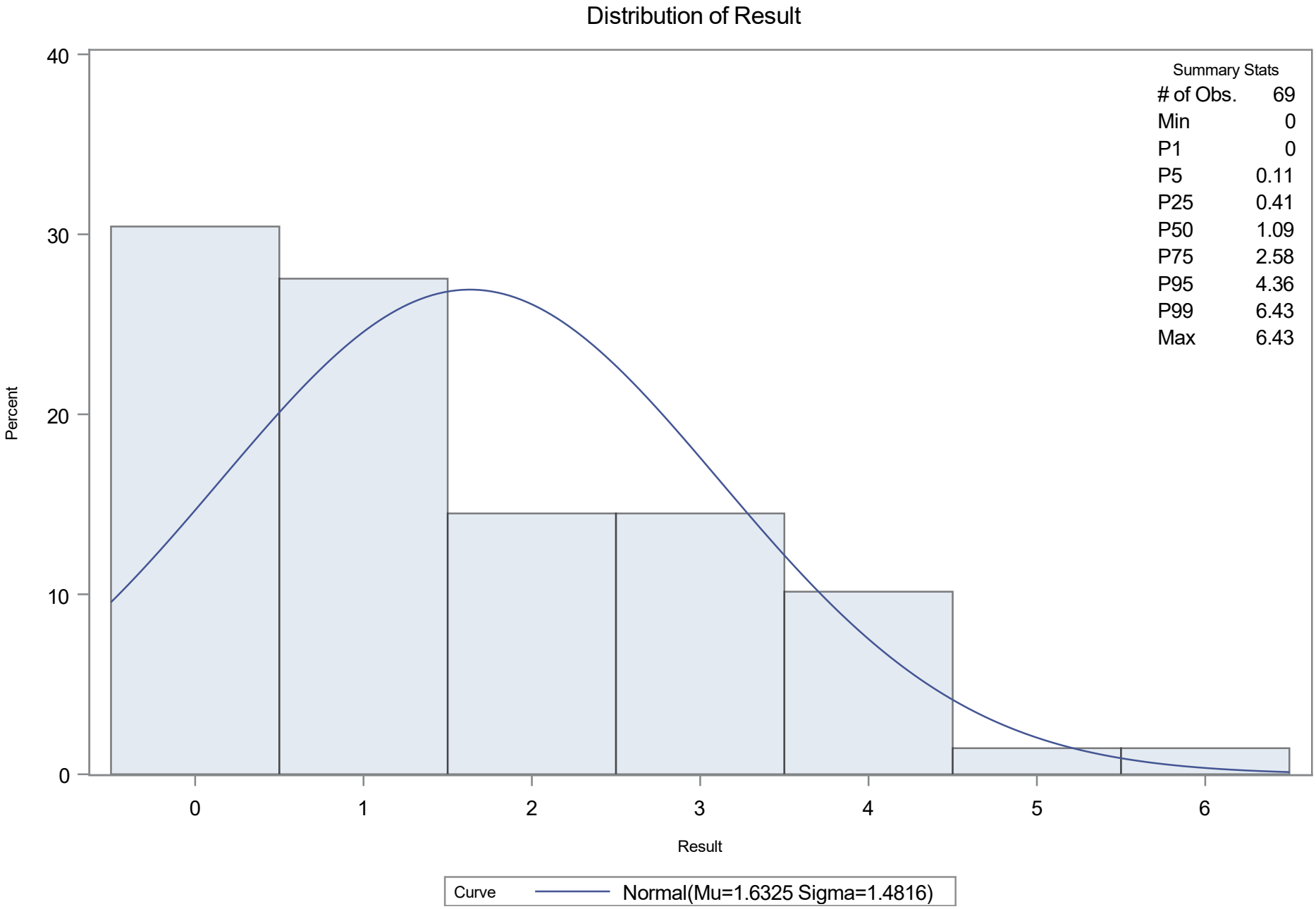
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
0
2
4
6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.632464
Std Dev	Sigma	1.481561

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15309353	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.42733230	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.52130871	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.81416
5.0	0.11000	-0.80449
10.0	0.14000	-0.26623
25.0	0.41000	0.63317
50.0	1.09000	1.63246
75.0	2.58000	2.63176
90.0	3.93000	3.53116
95.0	4.36000	4.06941
99.0	6.43000	5.07909

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

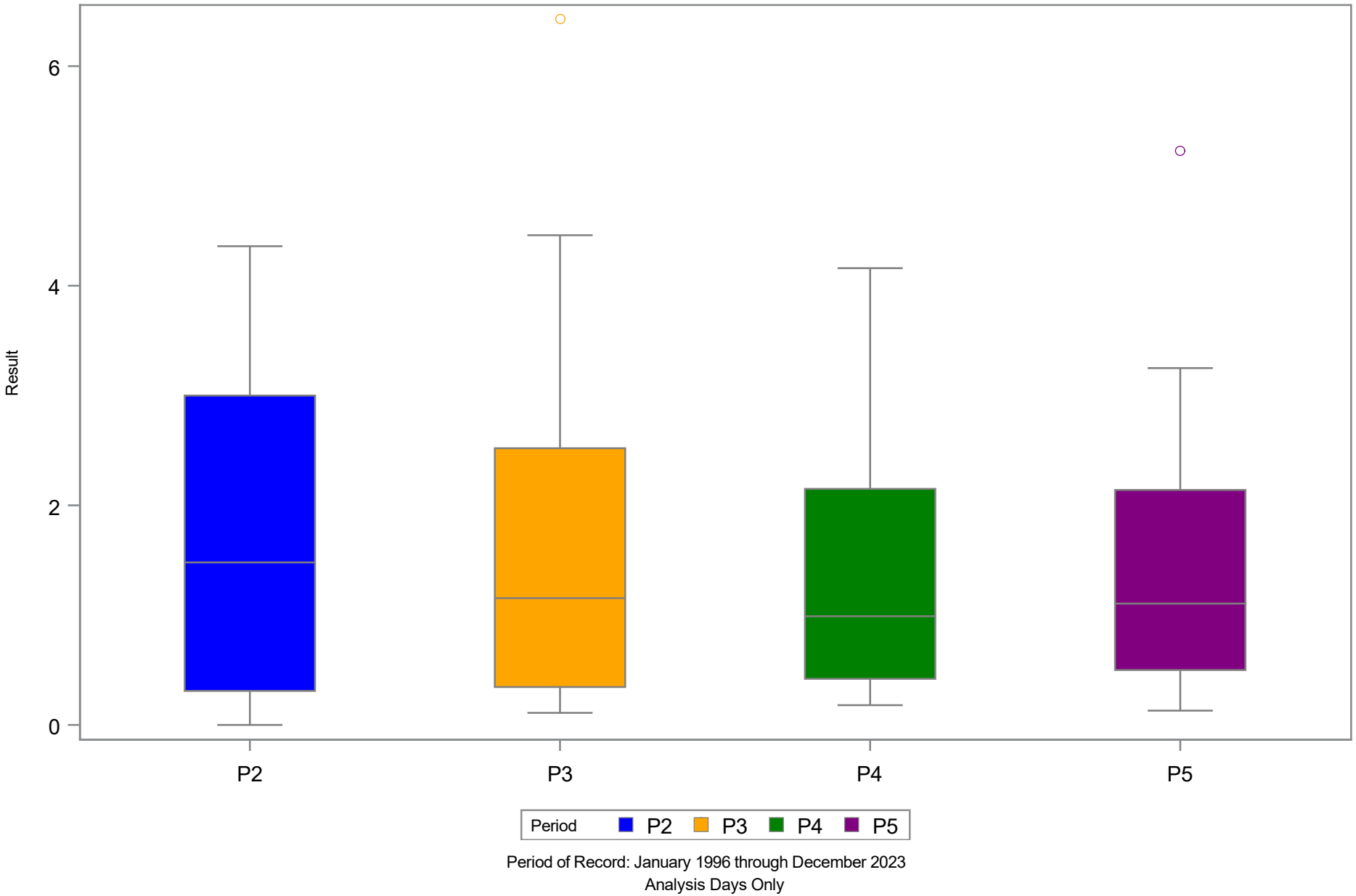
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.31	1.75	1.48	3.00	4.36
P3	16	0.11	0.35	1.72	1.16	2.52	6.43
P4	14	0.18	0.42	1.55	0.99	2.15	4.16
P5	18	0.13	0.50	1.48	1.11	2.14	5.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

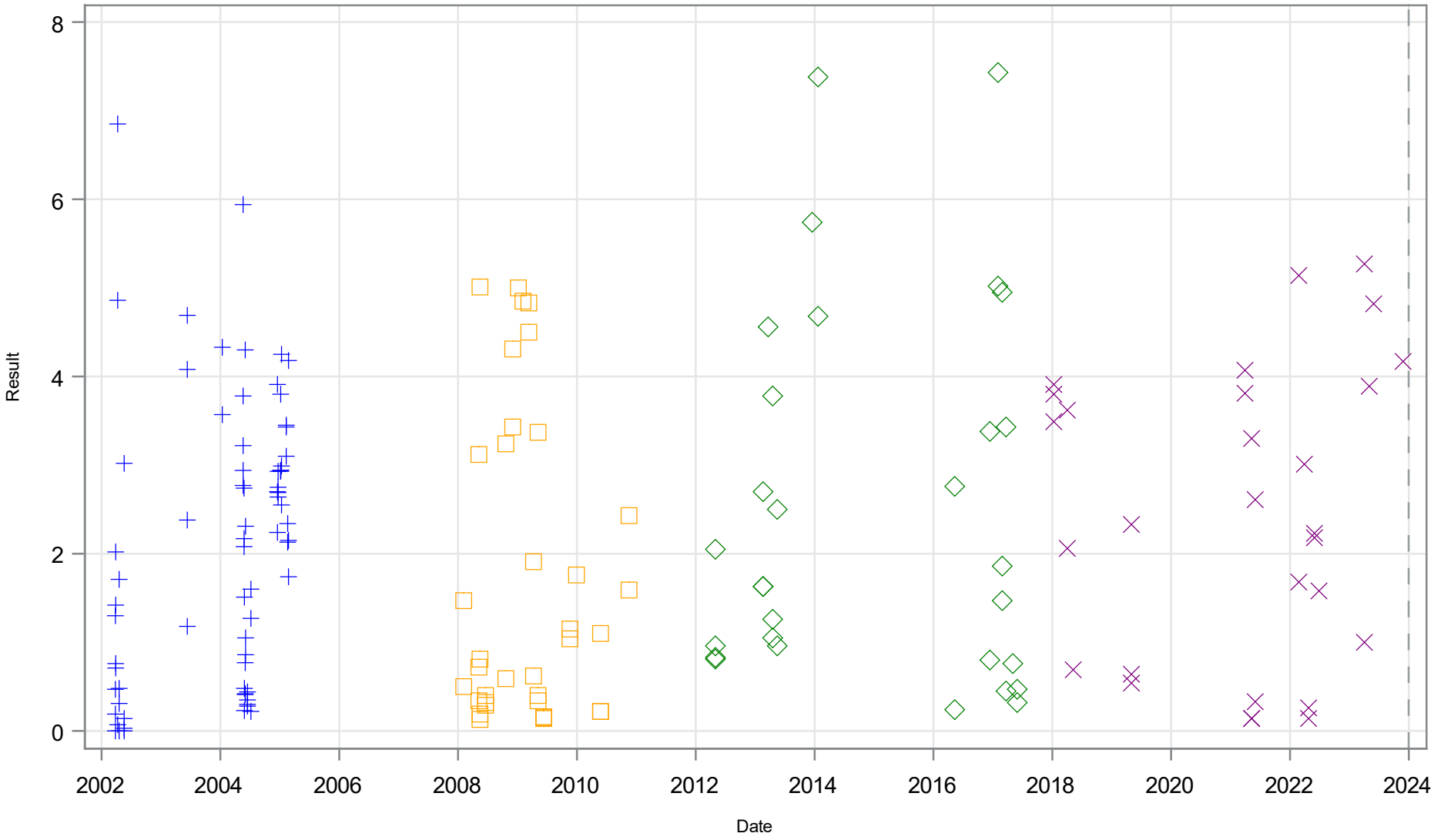
Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

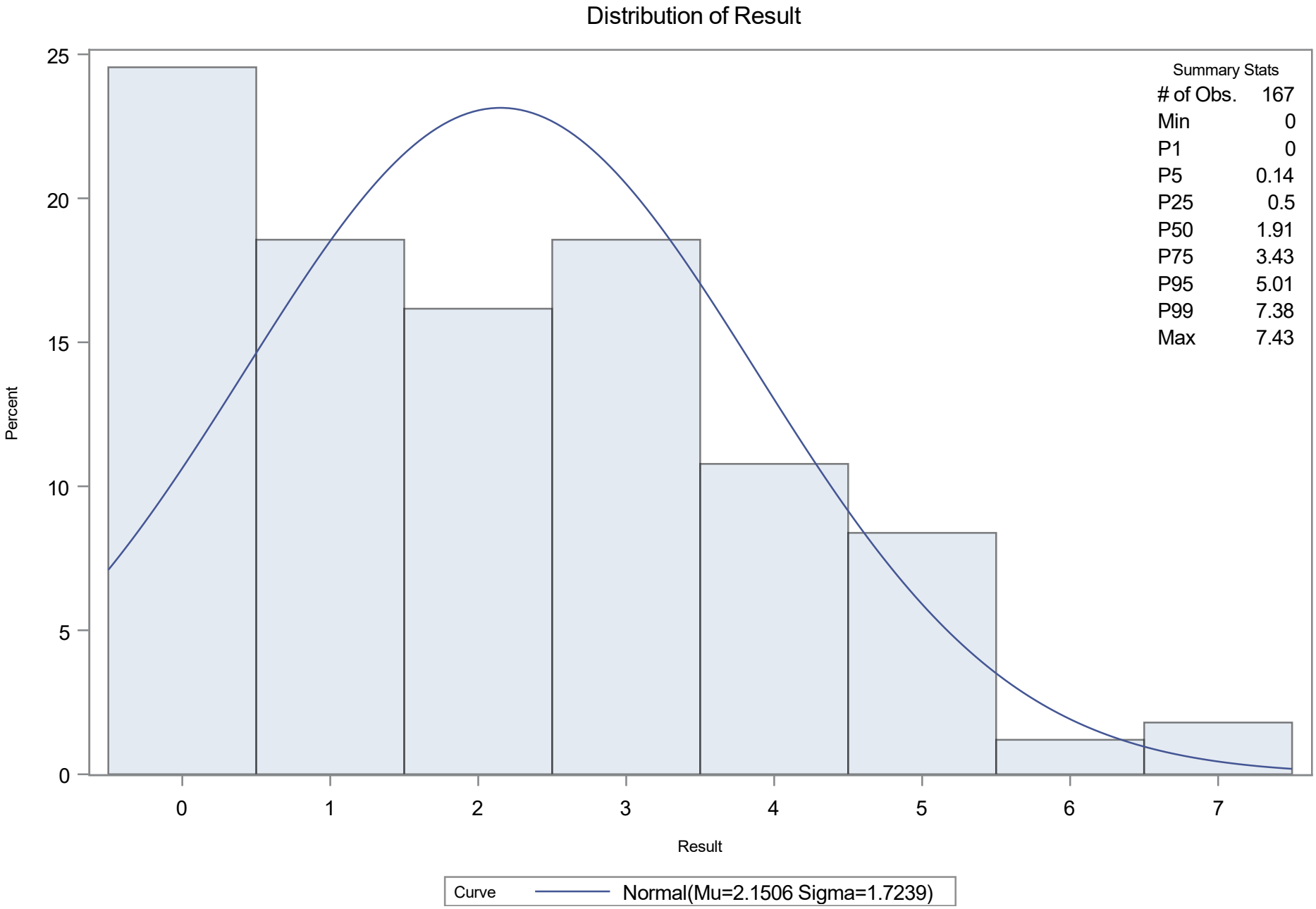
Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.150599
Std Dev	Sigma	1.723889

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11565164	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.50842916	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.47166087	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.85977
5.0	0.14000	-0.68495
10.0	0.22000	-0.05865
25.0	0.50000	0.98785
50.0	1.91000	2.15060
75.0	3.43000	3.31334
90.0	4.68000	4.35985
95.0	5.01000	4.98614
99.0	7.38000	6.16097

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

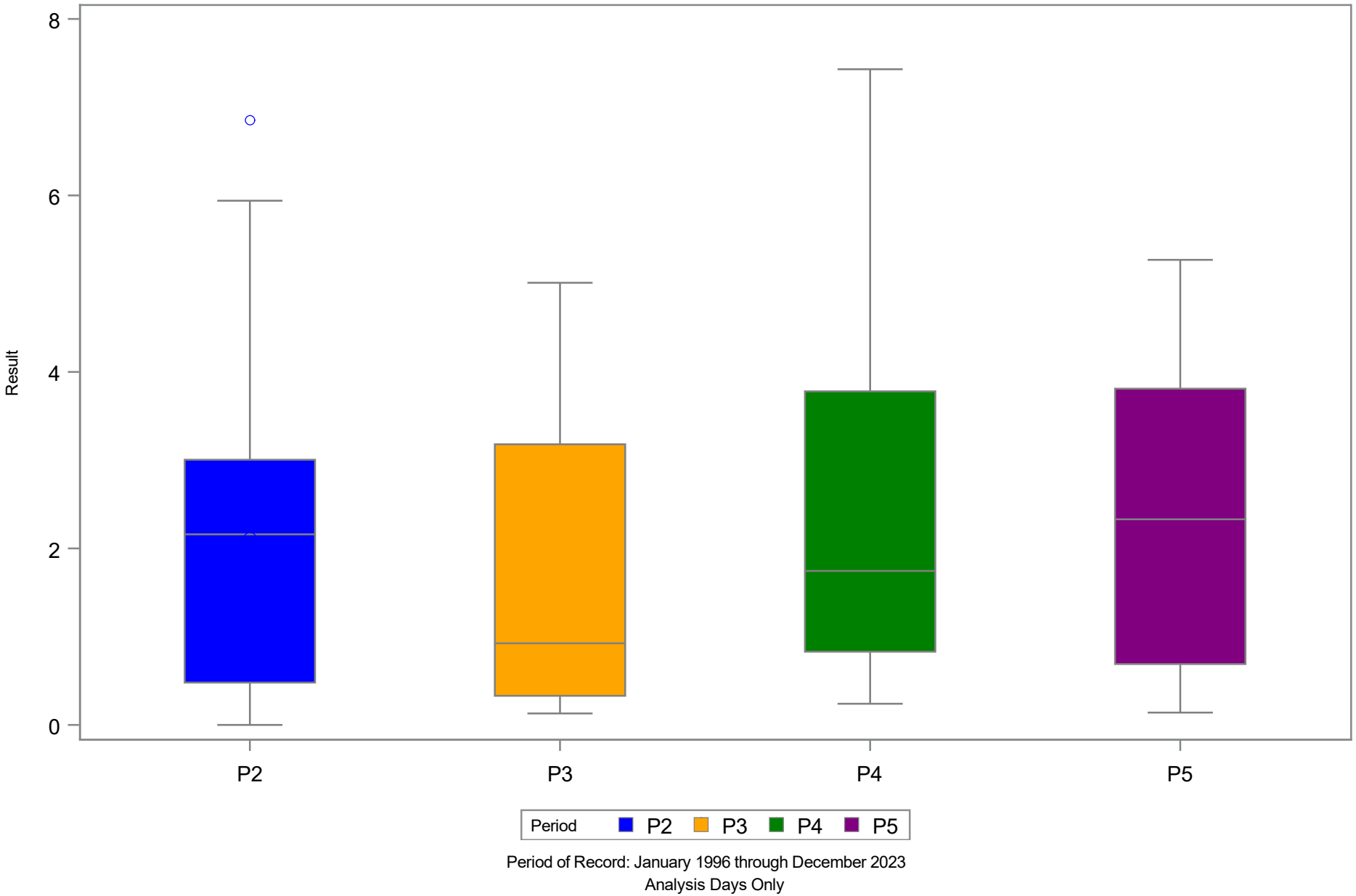
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	72	0.00	0.48	2.11	2.16	3.01	6.85
P3	36	0.13	0.33	1.68	0.93	3.18	5.01
P4	30	0.24	0.83	2.53	1.75	3.78	7.43
P5	29	0.14	0.69	2.44	2.33	3.81	5.27

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

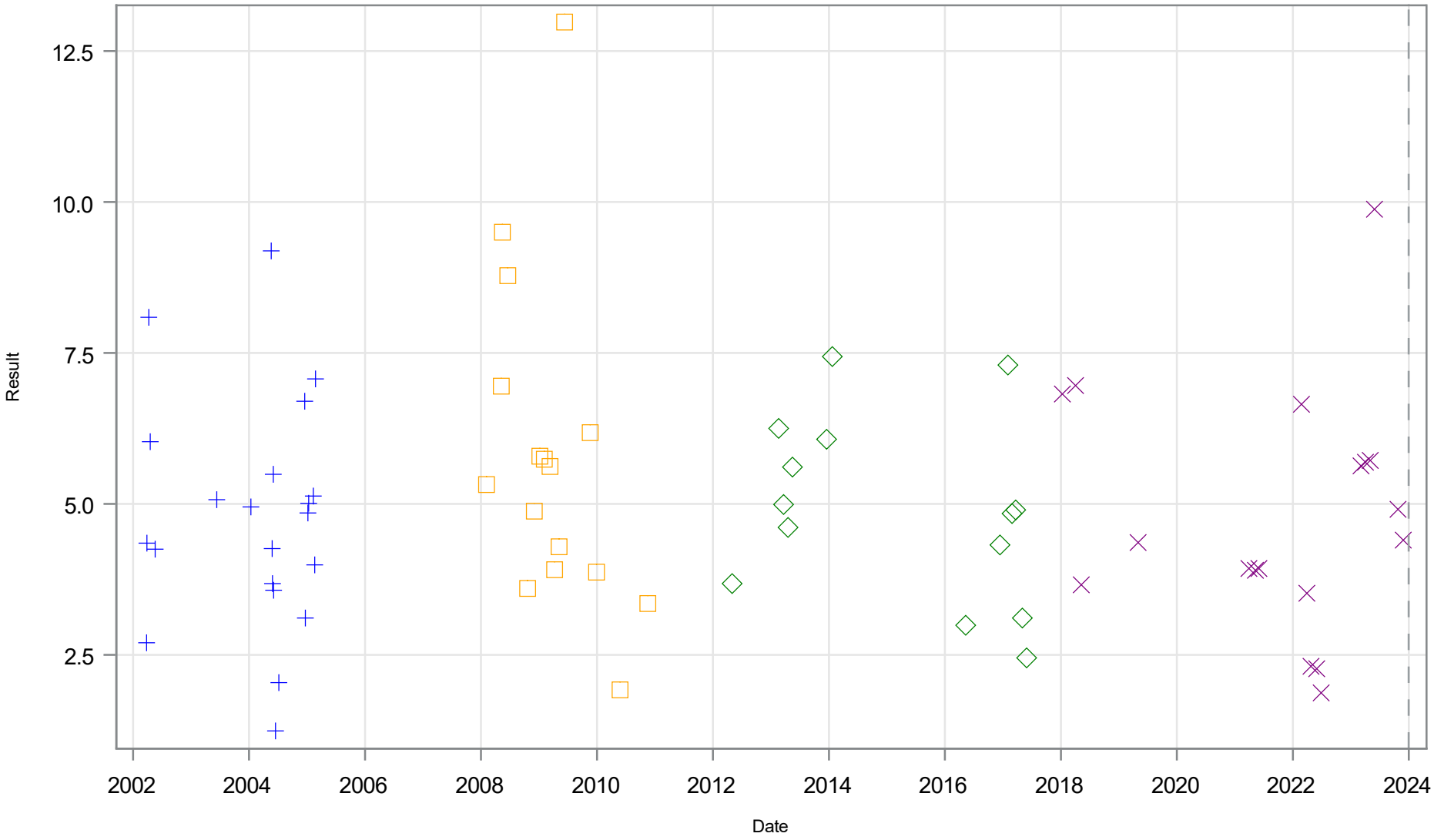
Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

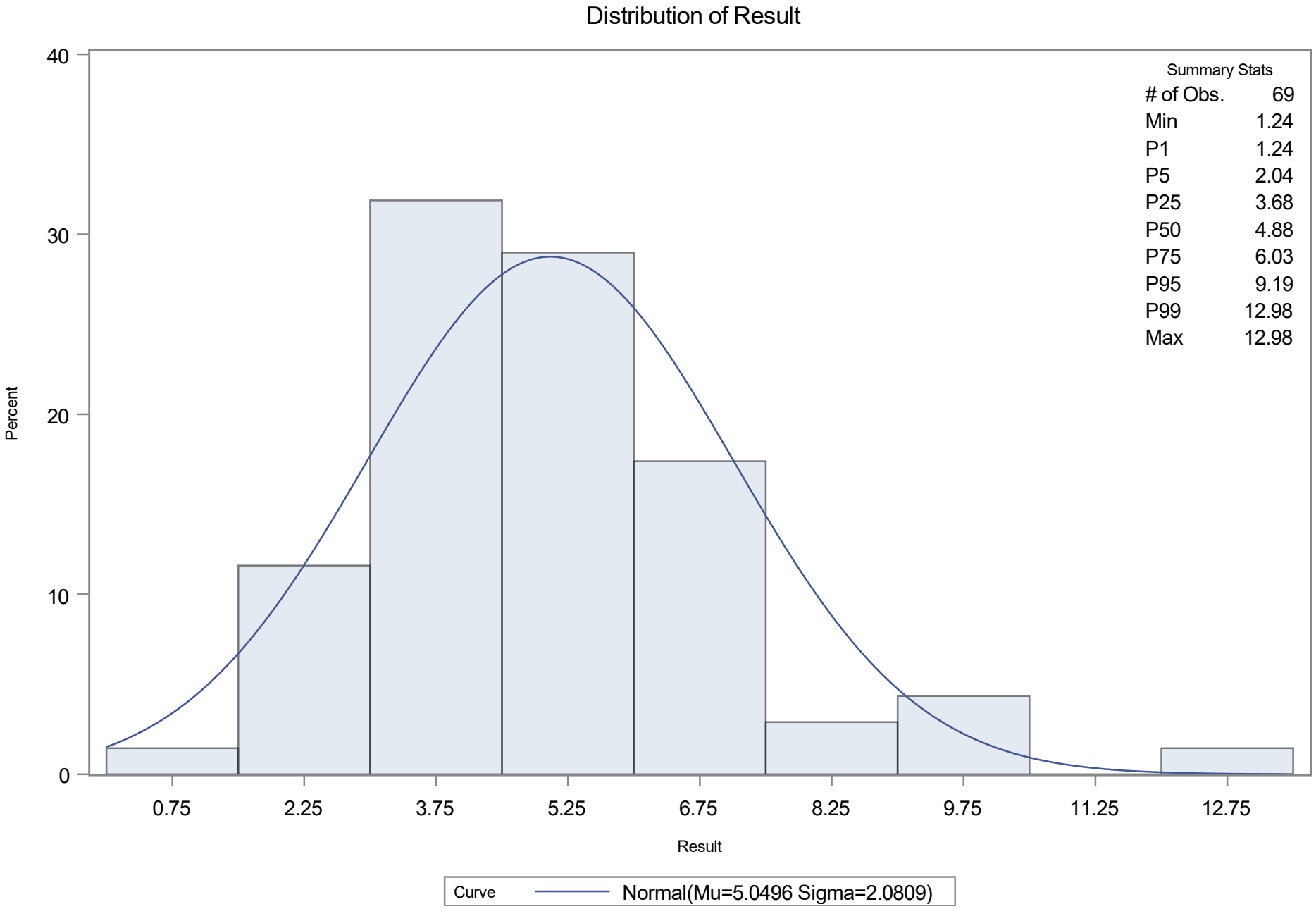
Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.049565
Std Dev	Sigma	2.080885

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10011552	**Pr > D**	0.086
Cramer-von Mises	**W-Sq**	0.14218444	**Pr > W-Sq**	0.030
Anderson-Darling	**A-Sq**	0.88794168	**Pr > A-Sq**	0.023

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.24000	0.20870
5.0	2.04000	1.62681
10.0	2.45000	2.38280
25.0	3.68000	3.64603
50.0	4.88000	5.04957
75.0	6.03000	6.45310
90.0	7.44000	7.71633
95.0	9.19000	8.47232
99.0	12.98000	9.89043

Period of Record: January 1996 through December 2023
Analysis Days Only

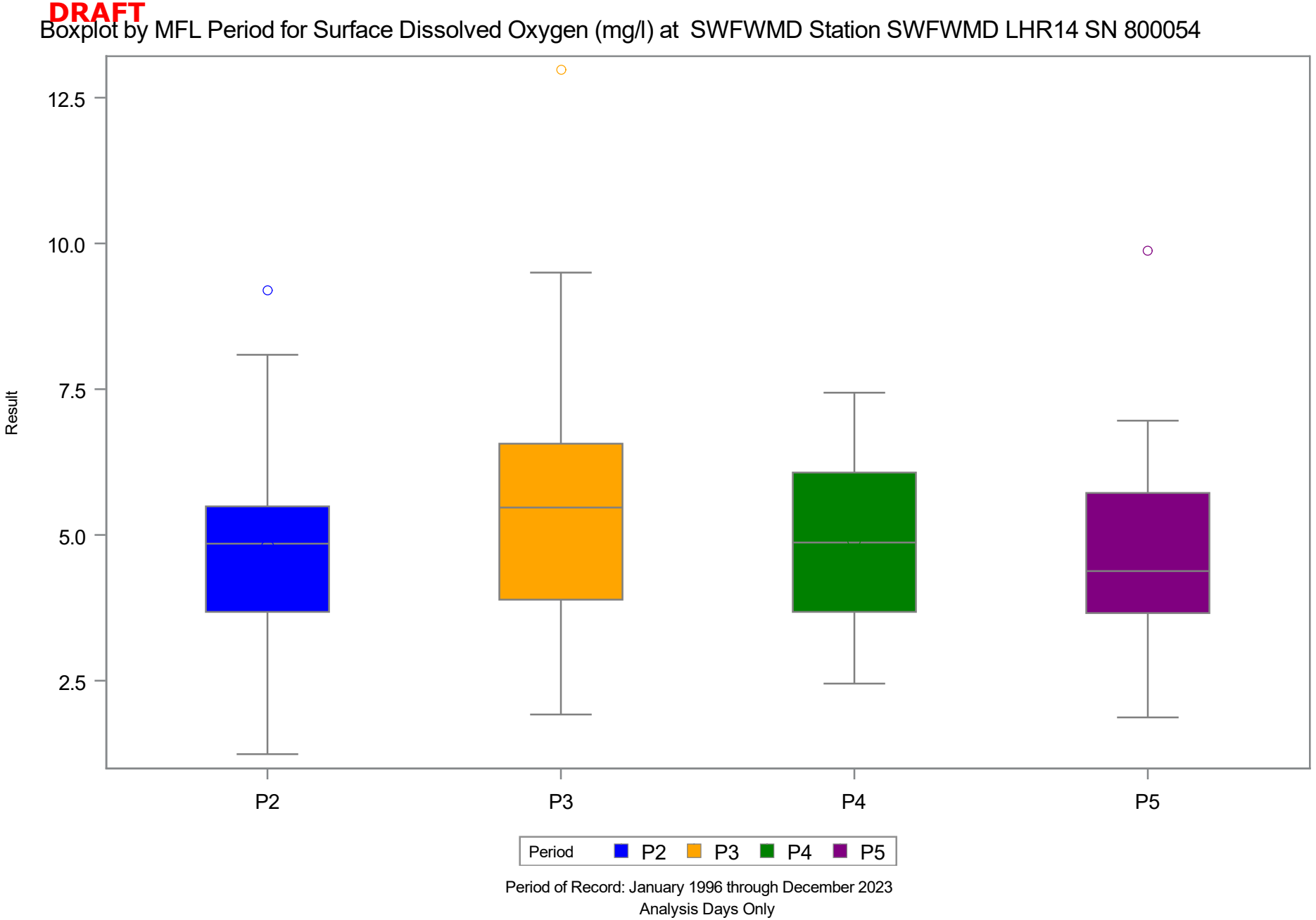
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054

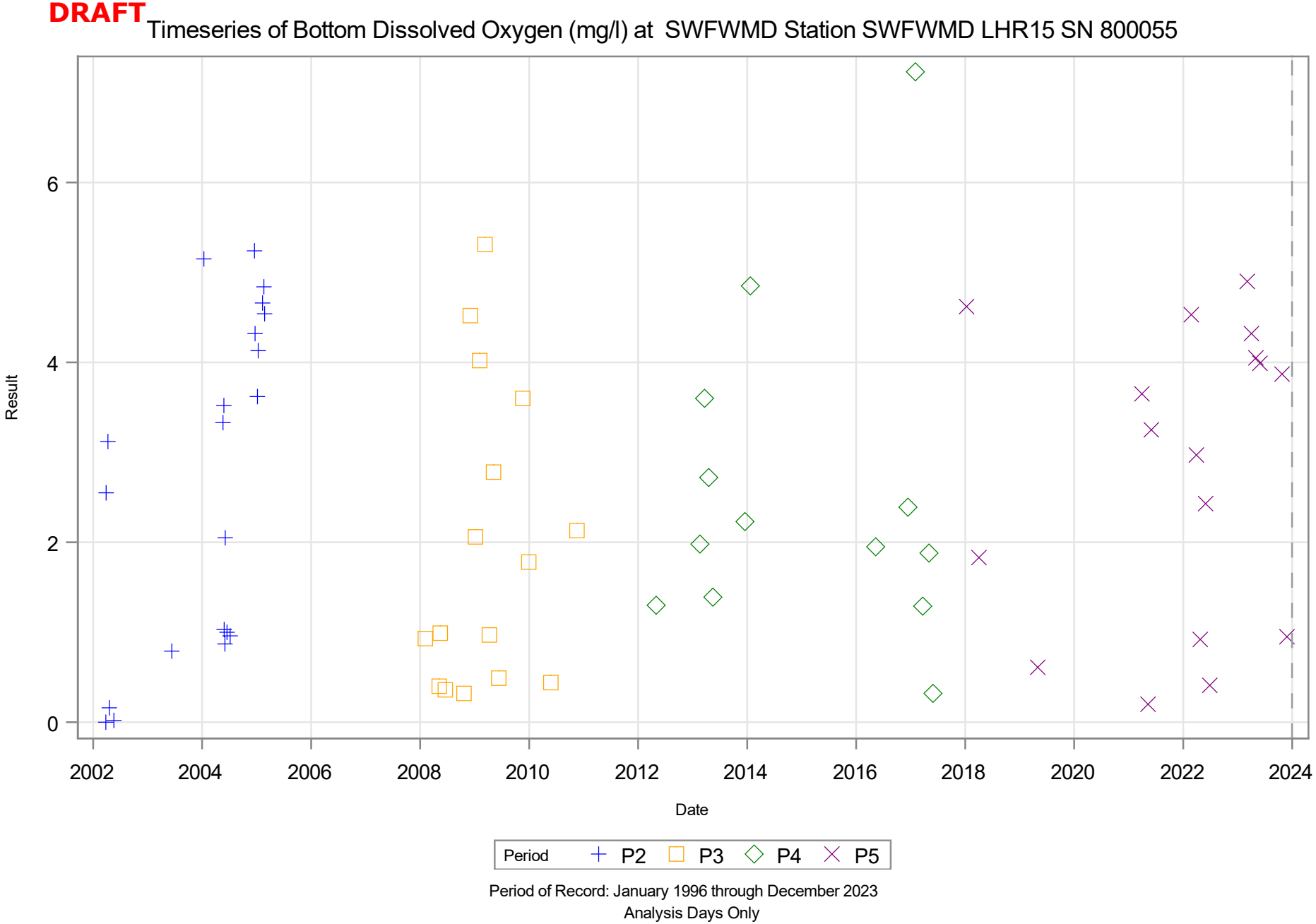
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.24	3.68	4.80	4.85	5.49	9.19
P3	16	1.92	3.89	5.79	5.47	6.57	12.98
P4	14	2.45	3.68	4.90	4.87	6.07	7.44
P5	18	1.87	3.66	4.80	4.38	5.72	9.88

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

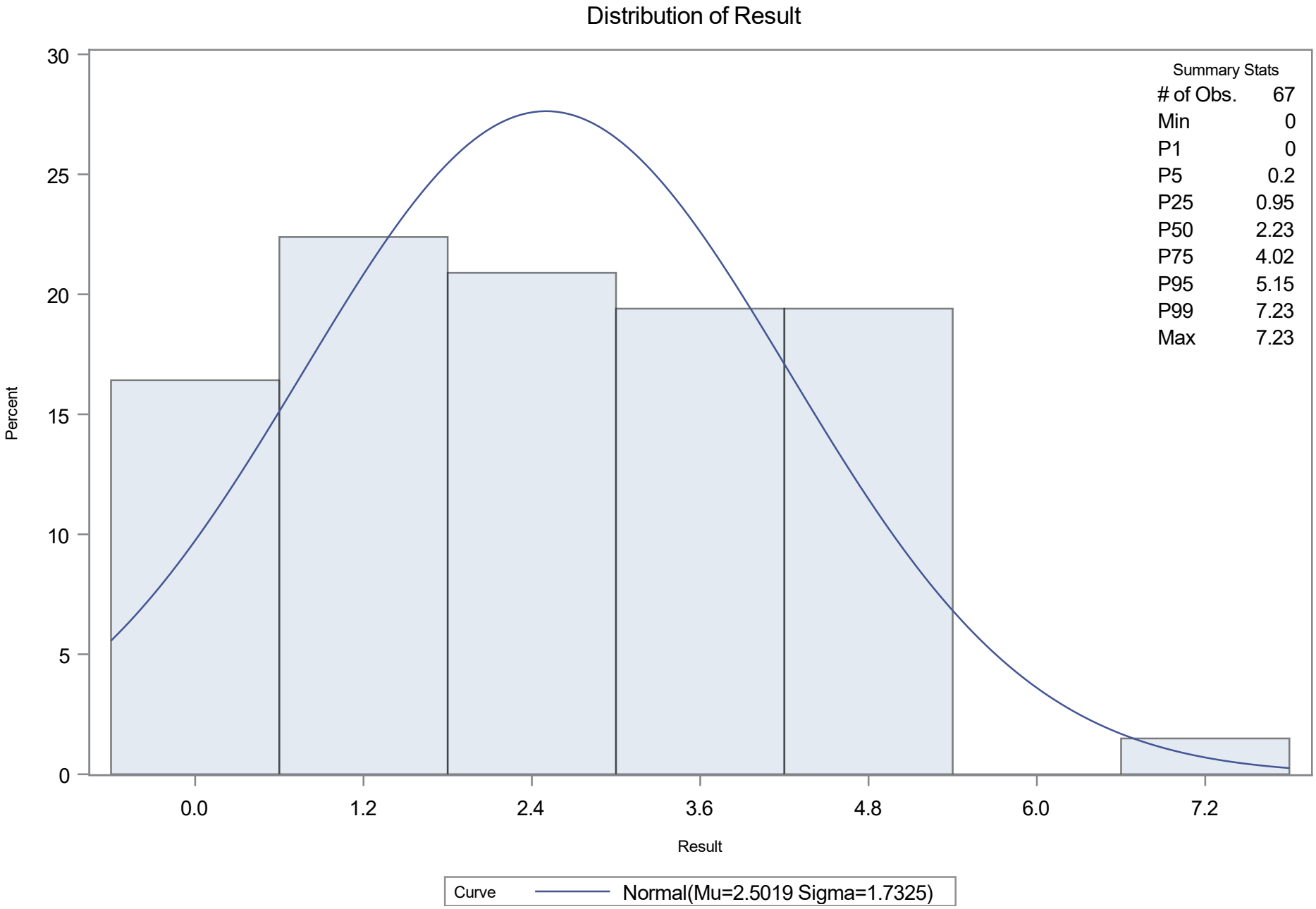

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
12.5
10.0
7.5
5.0
2.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
0
2
4
6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.50194
Std Dev	Sigma	1.732536

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13058081	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.19348201	**Pr > W-Sq**	0.006
Anderson-Darling	**A-Sq**	1.25453022	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.52854
5.0	0.20000	-0.34783
10.0	0.36000	0.28161
25.0	0.95000	1.33336
50.0	2.23000	2.50194
75.0	4.02000	3.67052
90.0	4.84000	4.72228
95.0	5.15000	5.35171
99.0	7.23000	6.53242

Period of Record: January 1996 through December 2023
Analysis Days Only

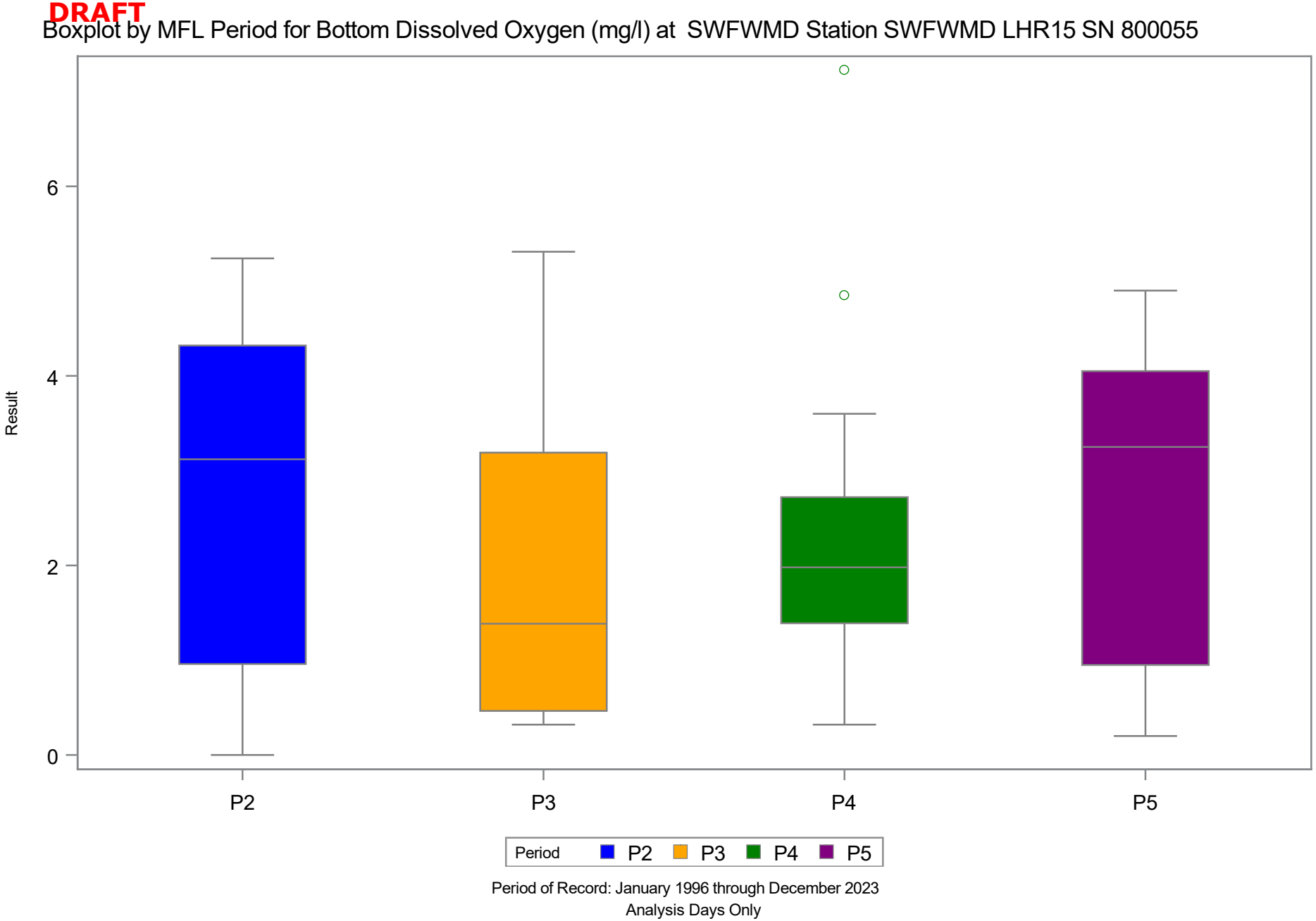
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.96	2.66	3.12	4.32	5.24
P3	16	0.32	0.47	1.94	1.39	3.19	5.31
P4	13	0.32	1.39	2.55	1.98	2.72	7.23
P5	17	0.20	0.95	2.79	3.25	4.05	4.90

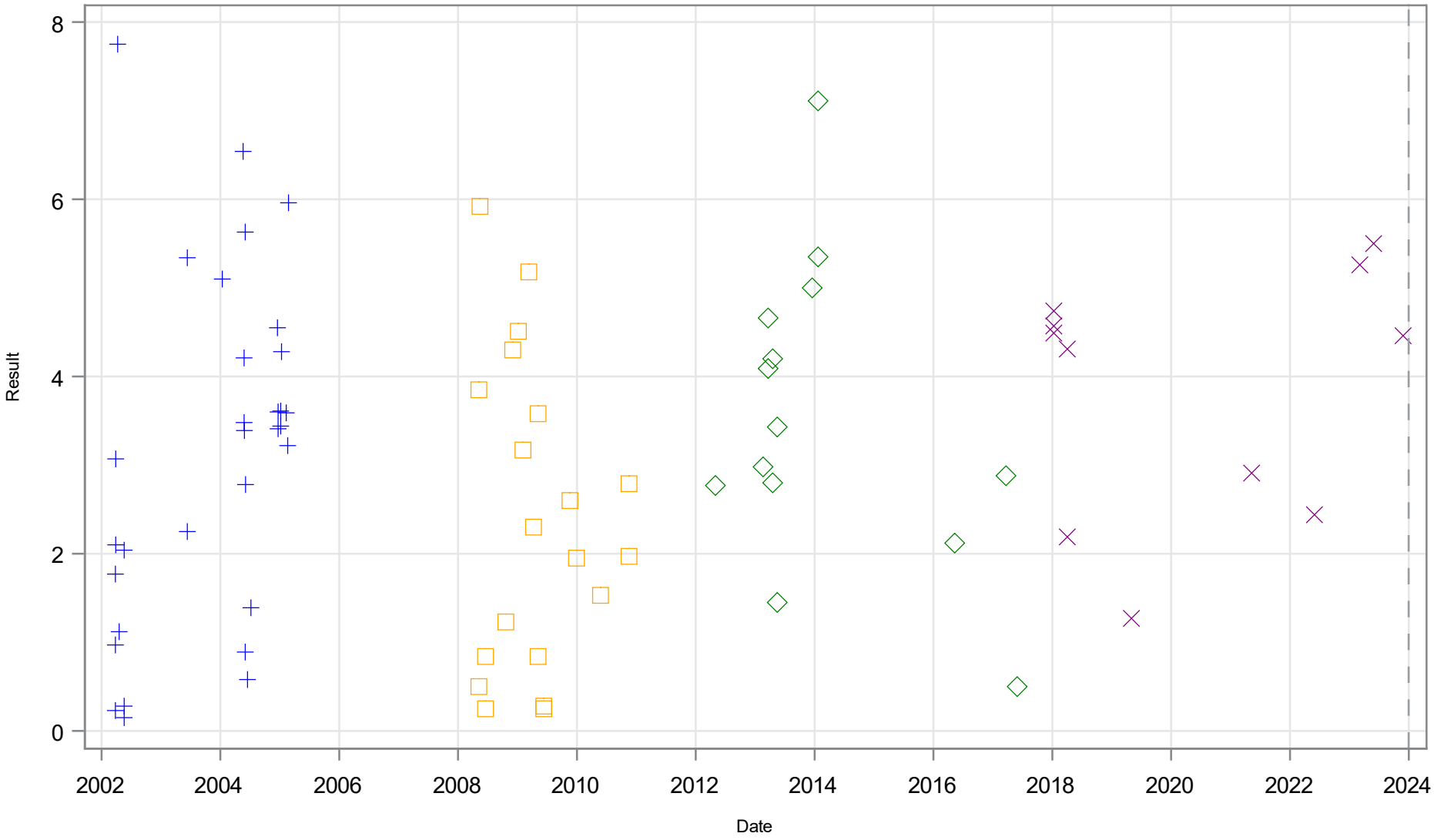
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
0
2
4
6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

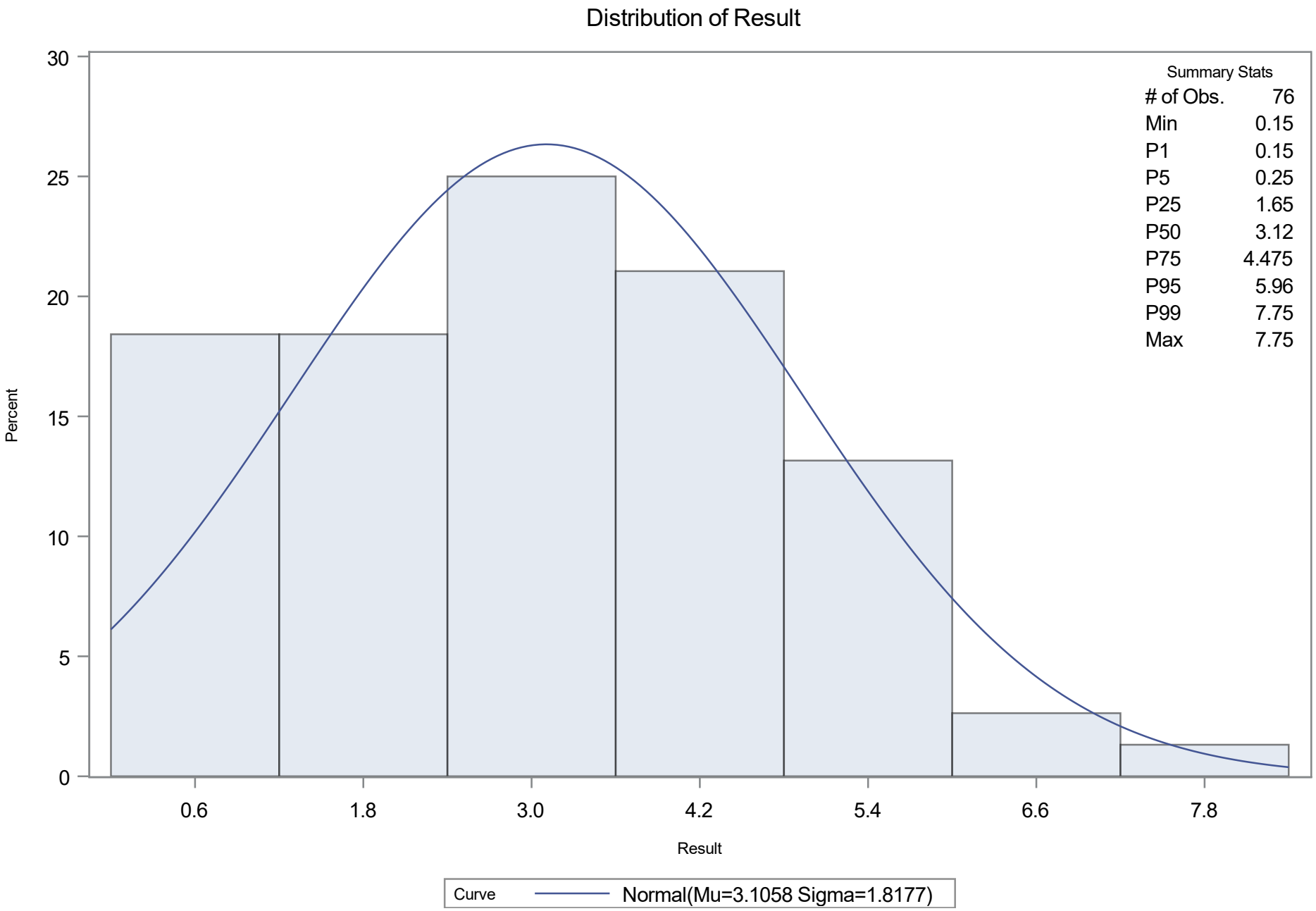
Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.105789
Std Dev	Sigma	1.81767

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05700927	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04418859	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38448166	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	-1.12274
5.0	0.25000	0.11599
10.0	0.50000	0.77635
25.0	1.65000	1.87979
50.0	3.12000	3.10579
75.0	4.47500	4.33179
90.0	5.35000	5.43523
95.0	5.96000	6.09559
99.0	7.75000	7.33432

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	31	0.15	1.39	3.12	3.39	4.28	7.75
P3	20	0.25	0.84	2.39	2.14	3.72	5.92
P4	14	0.50	2.77	3.52	3.21	4.66	7.11
P5	11	1.27	2.44	3.83	4.46	4.74	5.50

Period of Record: January 1996 through December 2023
Analysis Days Only

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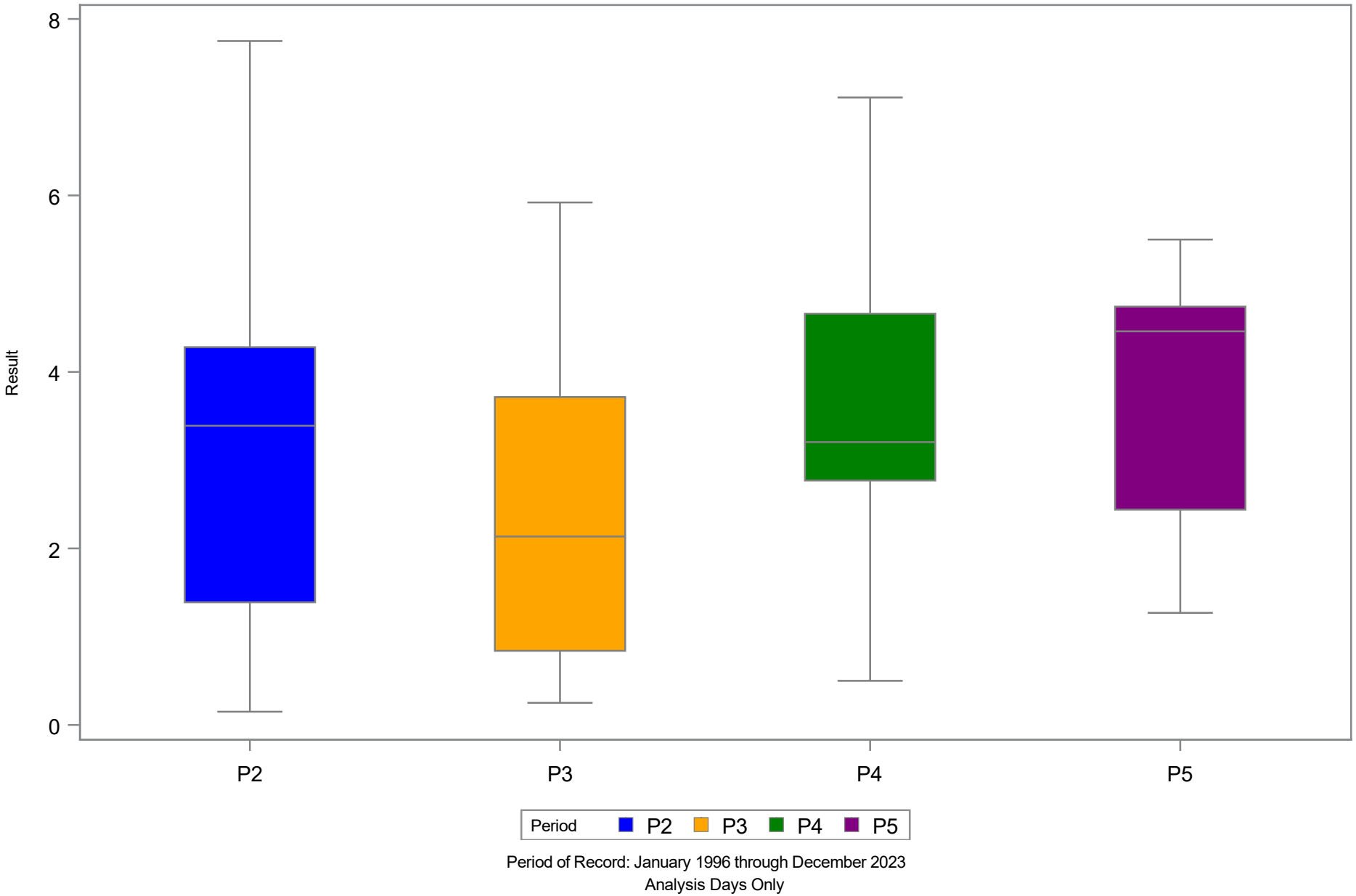
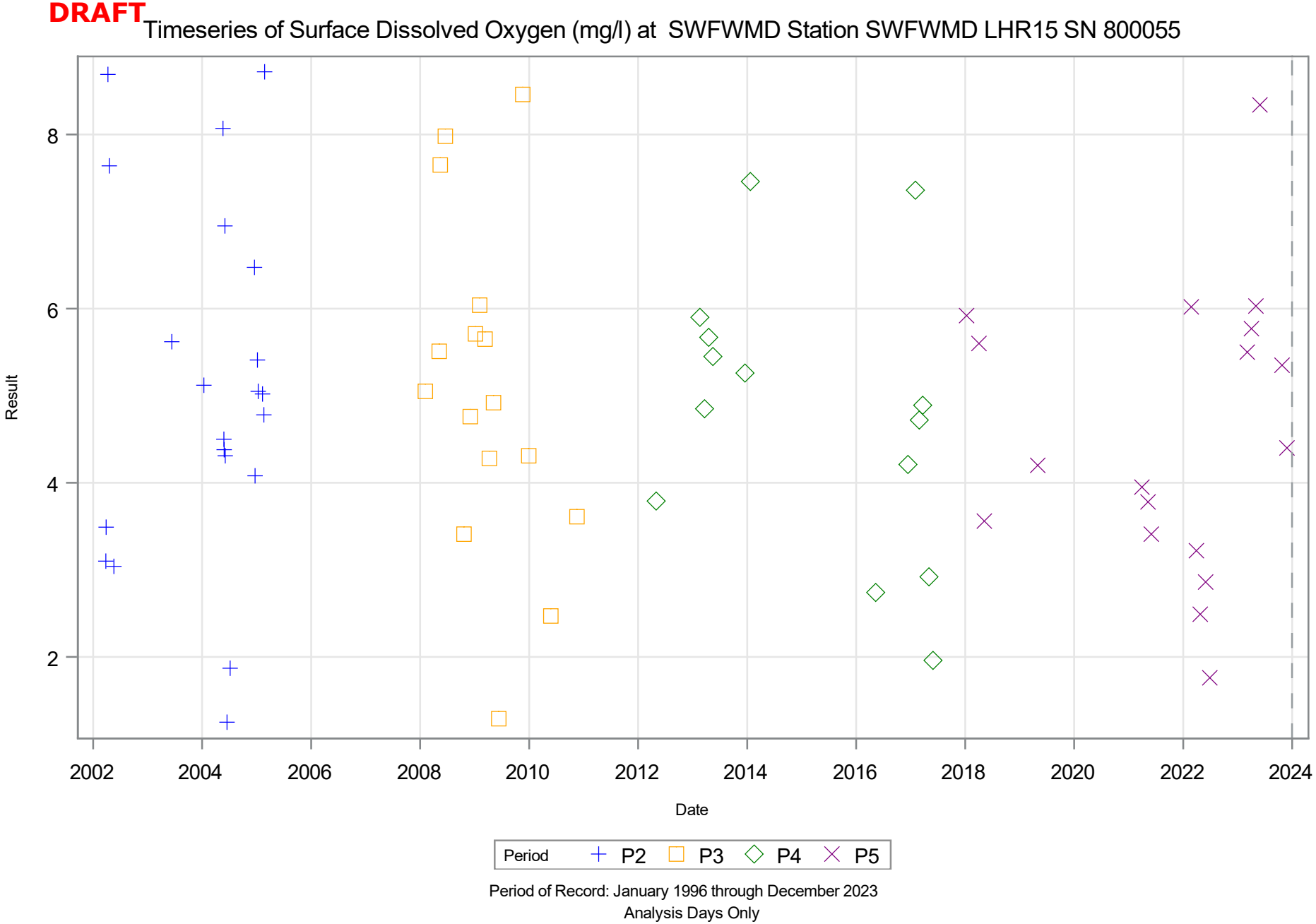
Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055



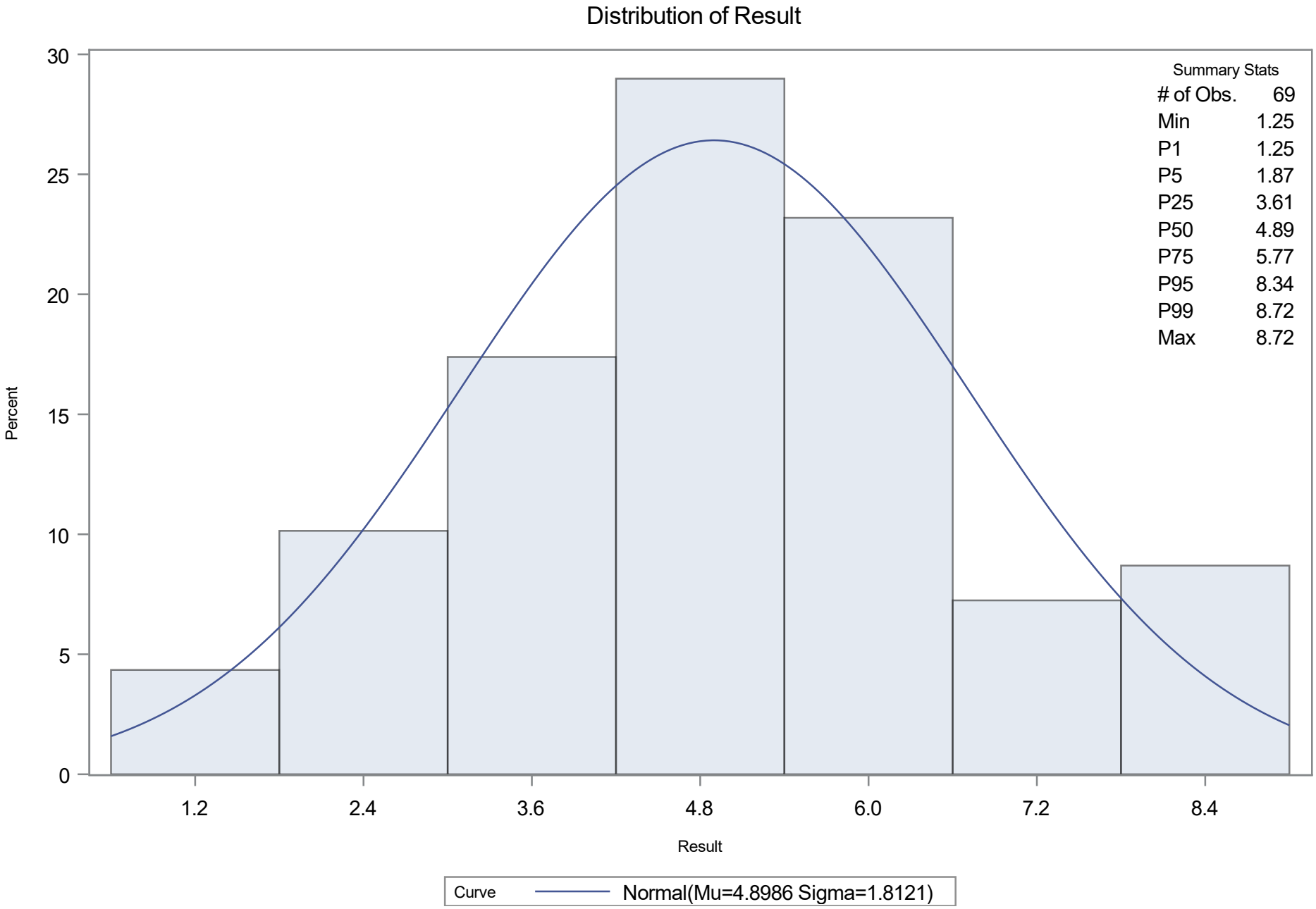
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.898609
Std Dev	Sigma	1.812149

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09048162	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05393300	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40556090	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.25000	0.68292
5.0	1.87000	1.91789
10.0	2.49000	2.57625
25.0	3.61000	3.67633
50.0	4.89000	4.89861
75.0	5.77000	6.12088
90.0	7.65000	7.22097
95.0	8.34000	7.87933
99.0	8.72000	9.11430

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

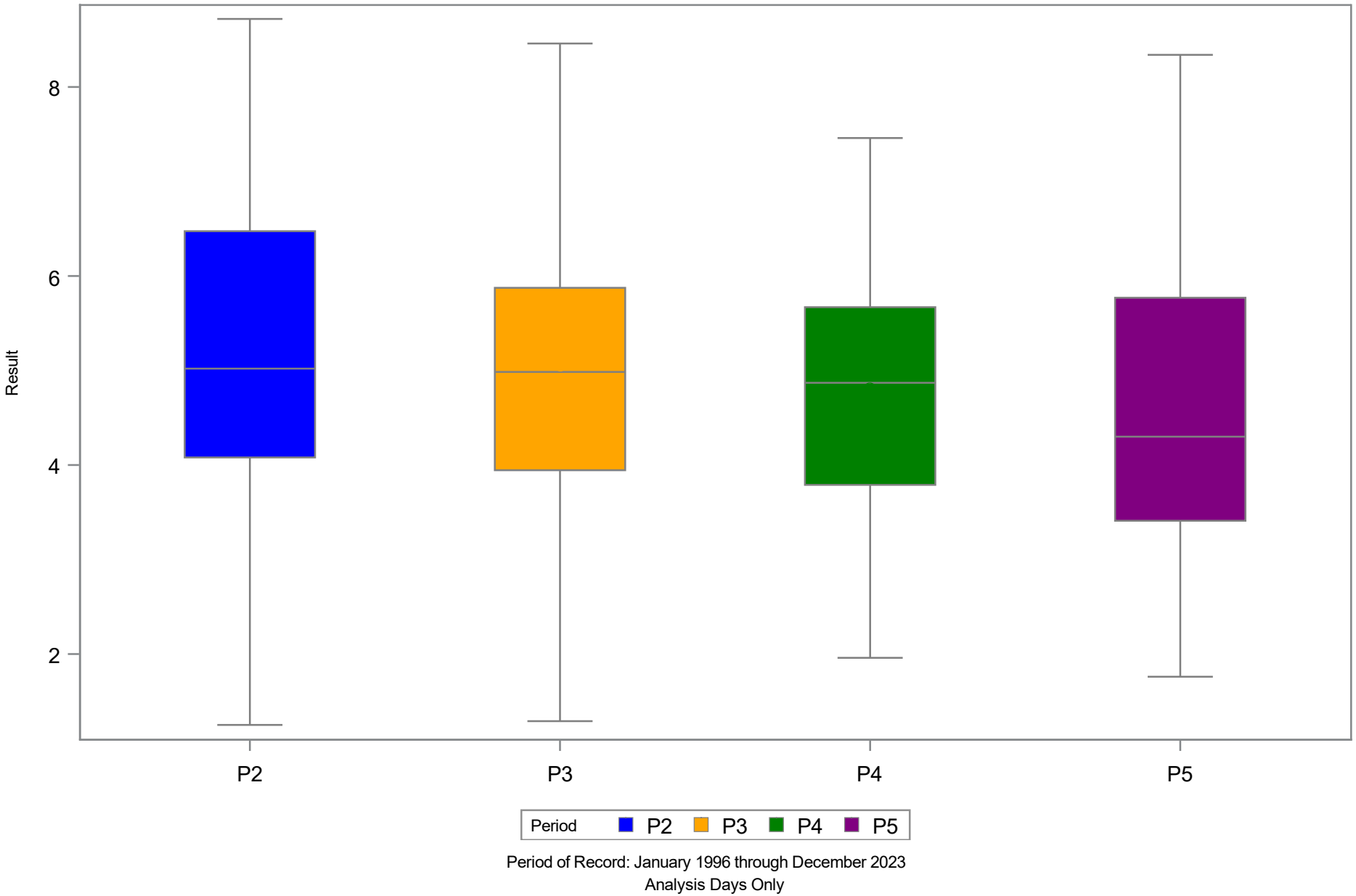
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.25	4.08	5.12	5.02	6.47	8.72
P3	16	1.29	3.95	5.07	4.99	5.88	8.46
P4	14	1.96	3.79	4.80	4.87	5.67	7.46
P5	18	1.76	3.41	4.56	4.30	5.77	8.34

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

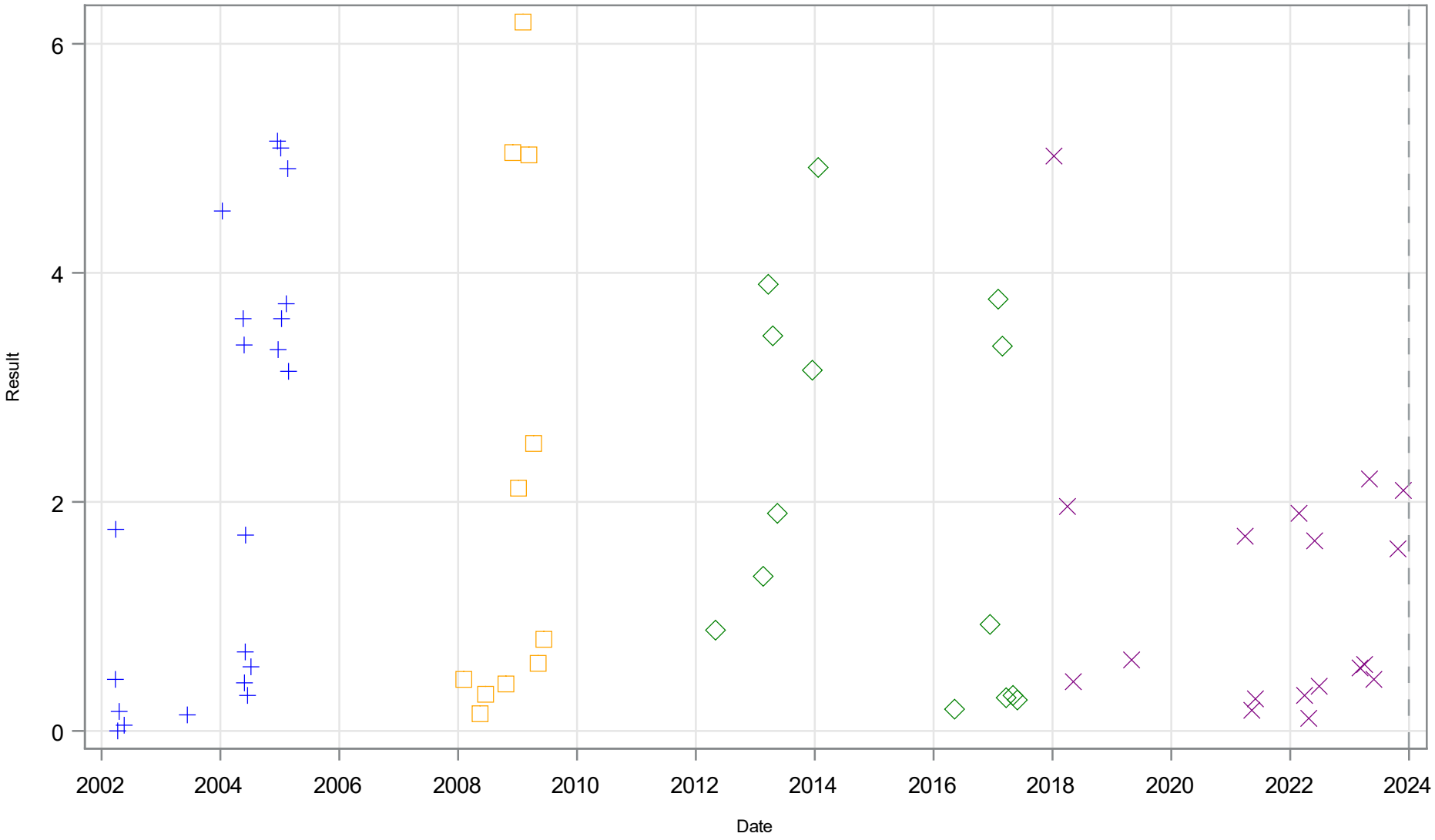
Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

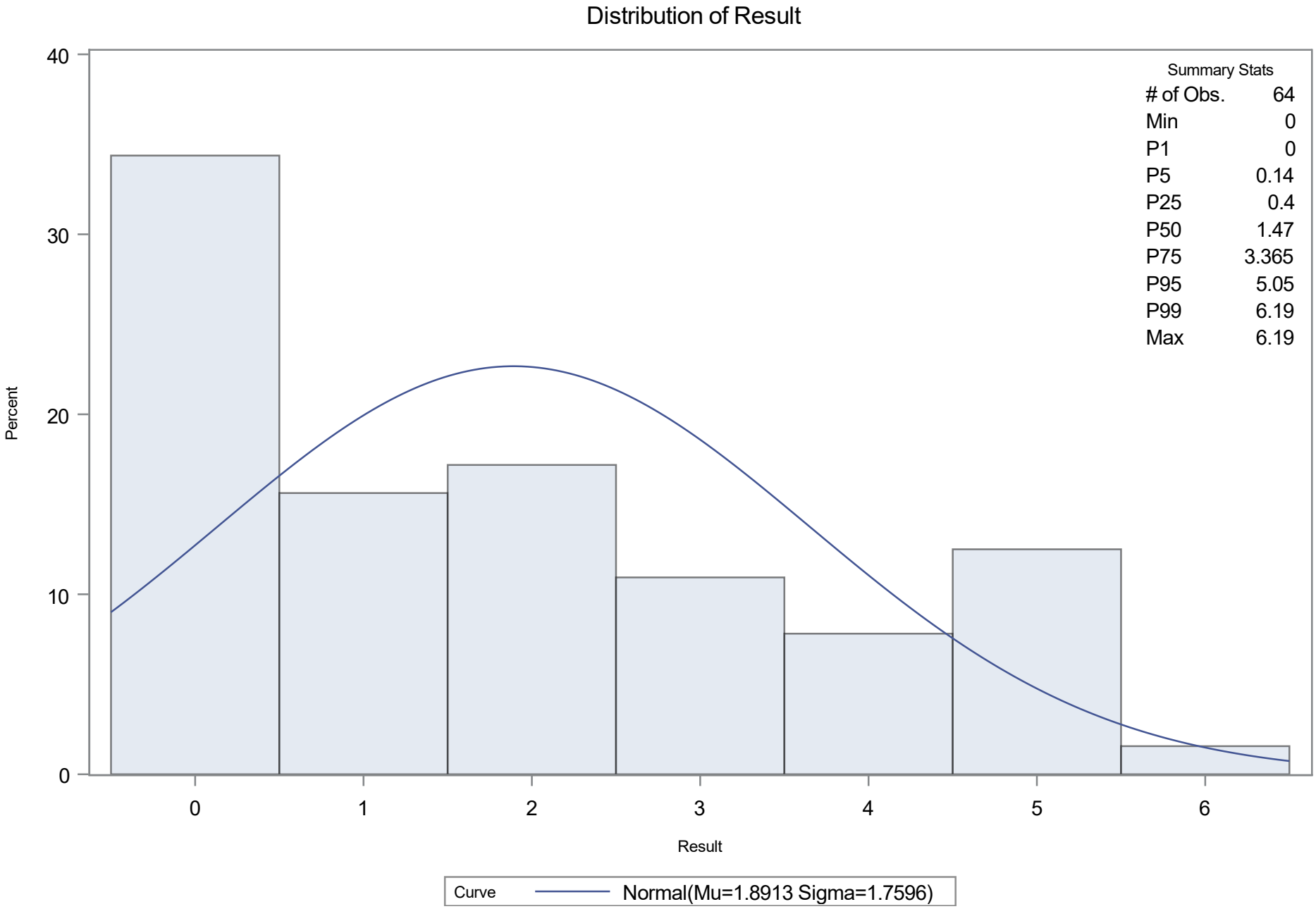
Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.89125
Std Dev	Sigma	1.759641

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19193700	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.53988772	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.28175783	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-2.20229
5.0	0.14000	-1.00310
10.0	0.18000	-0.36382
25.0	0.40000	0.70439
50.0	1.47000	1.89125
75.0	3.36500	3.07811
90.0	4.92000	4.14632
95.0	5.05000	4.78560
99.0	6.19000	5.98479

Period of Record: January 1996 through December 2023
Analysis Days Only

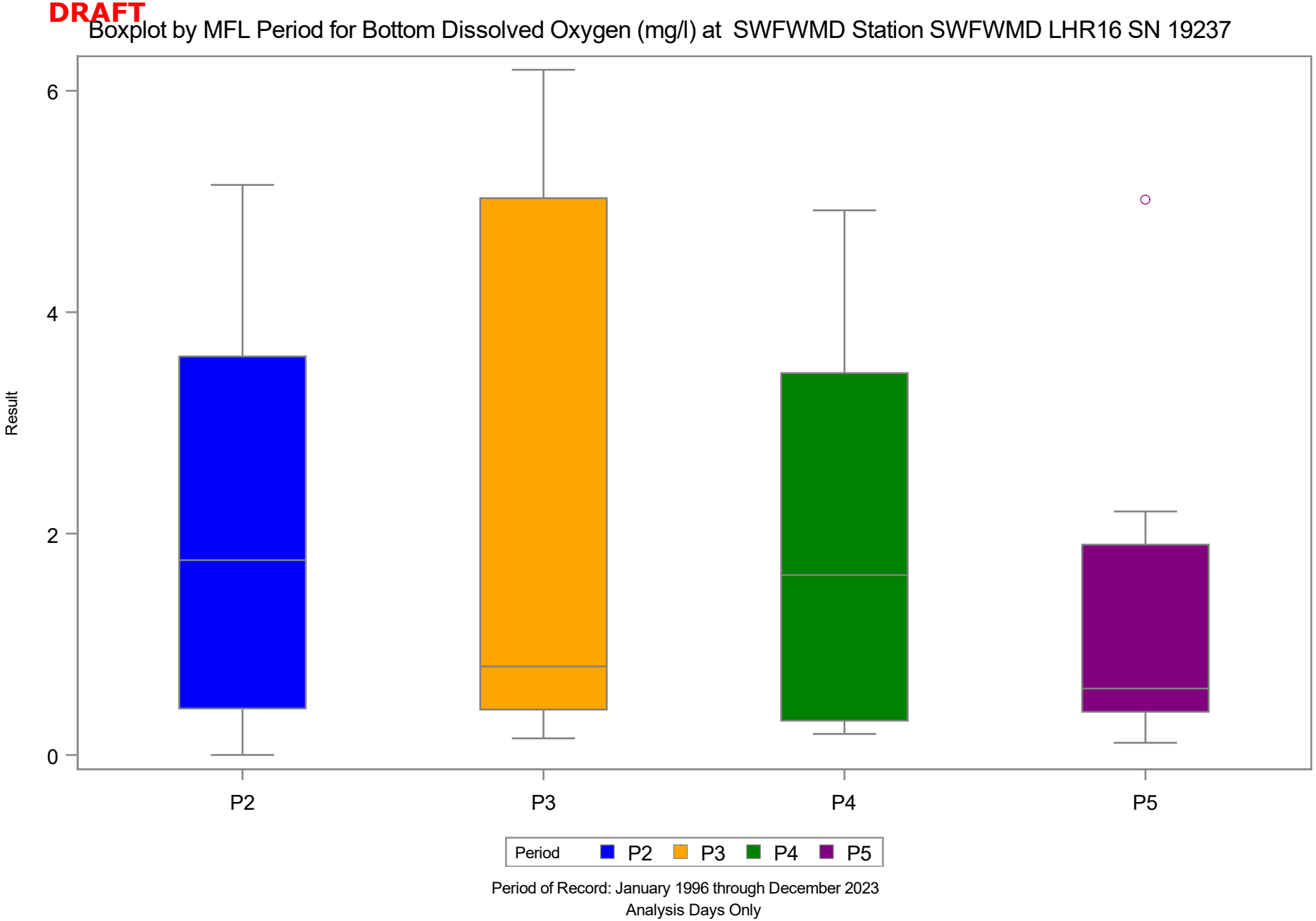
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

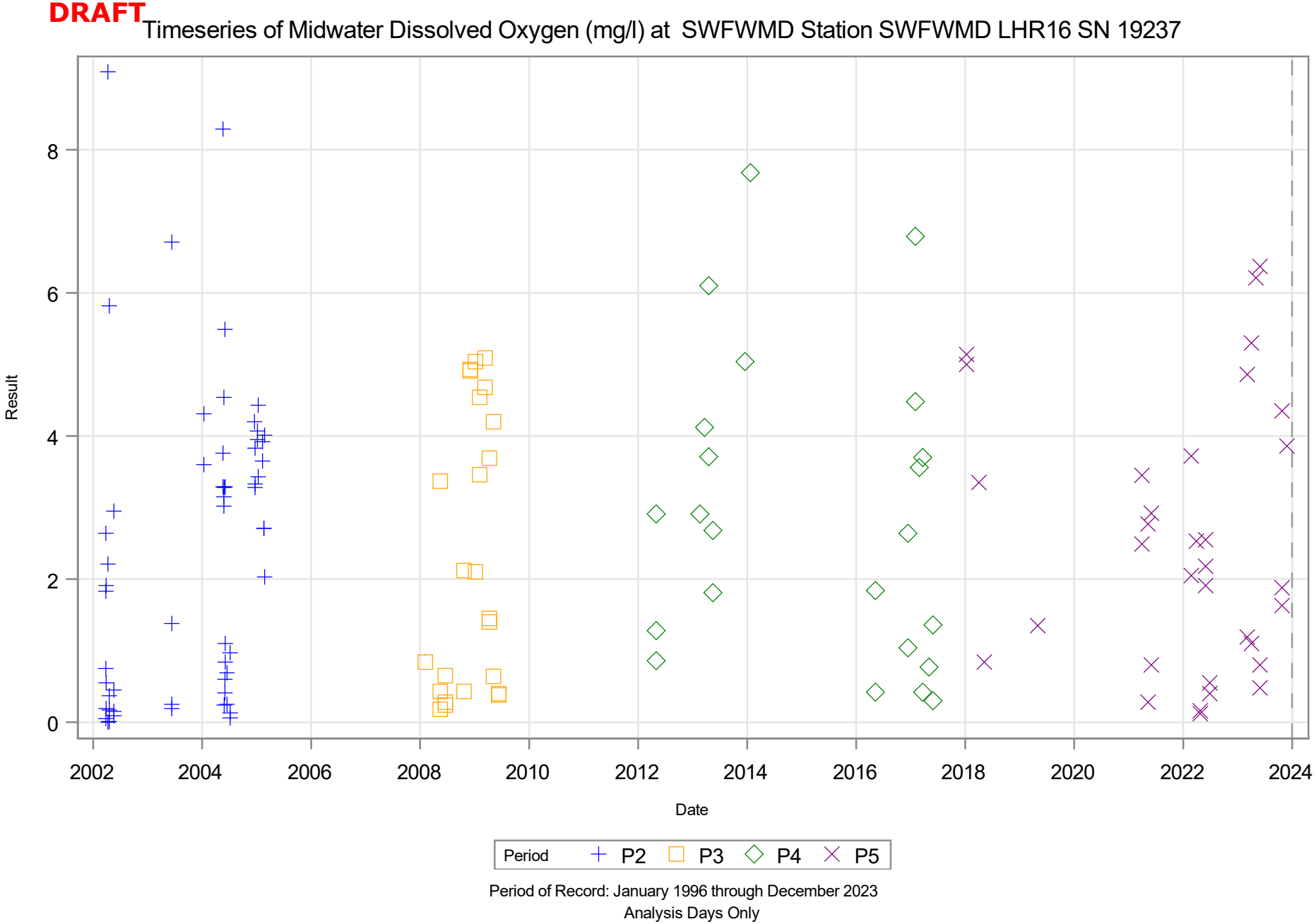
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.00	0.42	2.22	1.76	3.60	5.15
P3	11	0.15	0.41	2.15	0.80	5.03	6.19
P4	14	0.19	0.31	2.05	1.63	3.45	4.92
P5	18	0.11	0.39	1.22	0.60	1.90	5.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

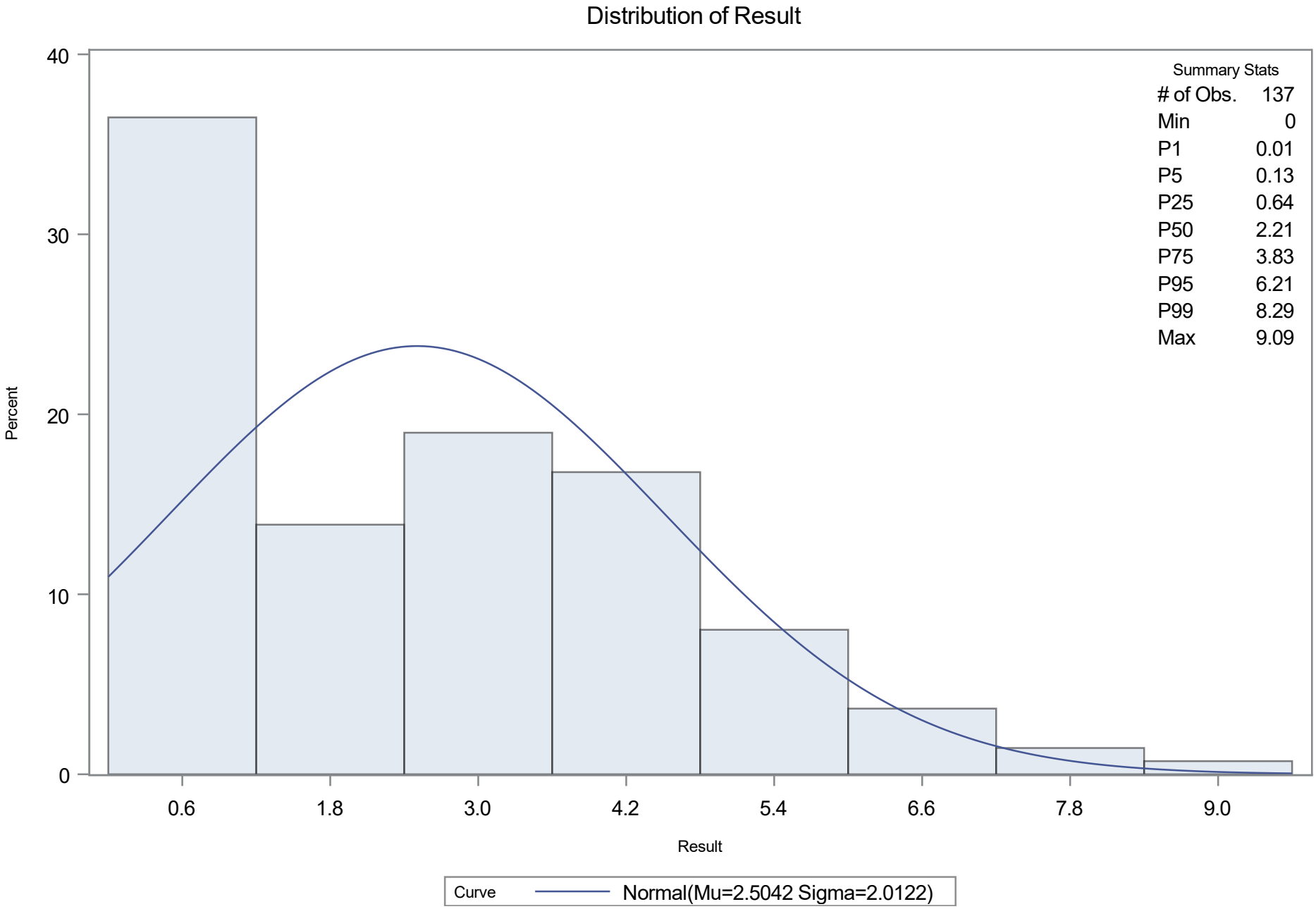

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.504234
Std Dev	Sigma	2.012196

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12154118	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.38040109	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.69455125	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-2.17683
5.0	0.13000	-0.80553
10.0	0.24000	-0.07450
25.0	0.64000	1.14703
50.0	2.21000	2.50423
75.0	3.83000	3.86144
90.0	5.04000	5.08297
95.0	6.21000	5.81400
99.0	8.29000	7.18530

Period of Record: January 1996 through December 2023
Analysis Days Only

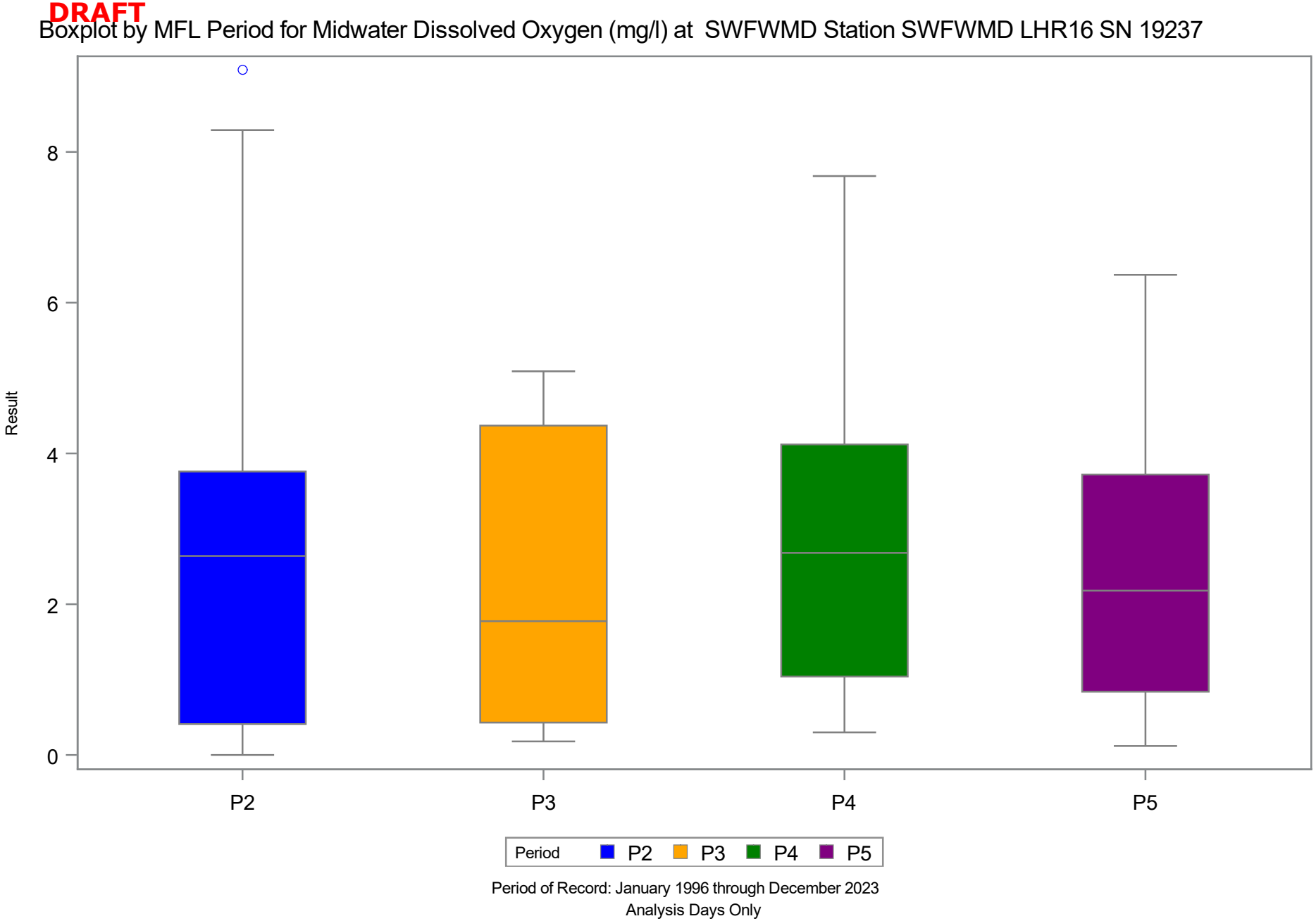
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	57	0.00	0.41	2.43	2.64	3.76	9.09
P3	24	0.18	0.43	2.31	1.78	4.37	5.09
P4	23	0.30	1.04	2.89	2.68	4.12	7.68
P5	33	0.12	0.84	2.50	2.18	3.72	6.37

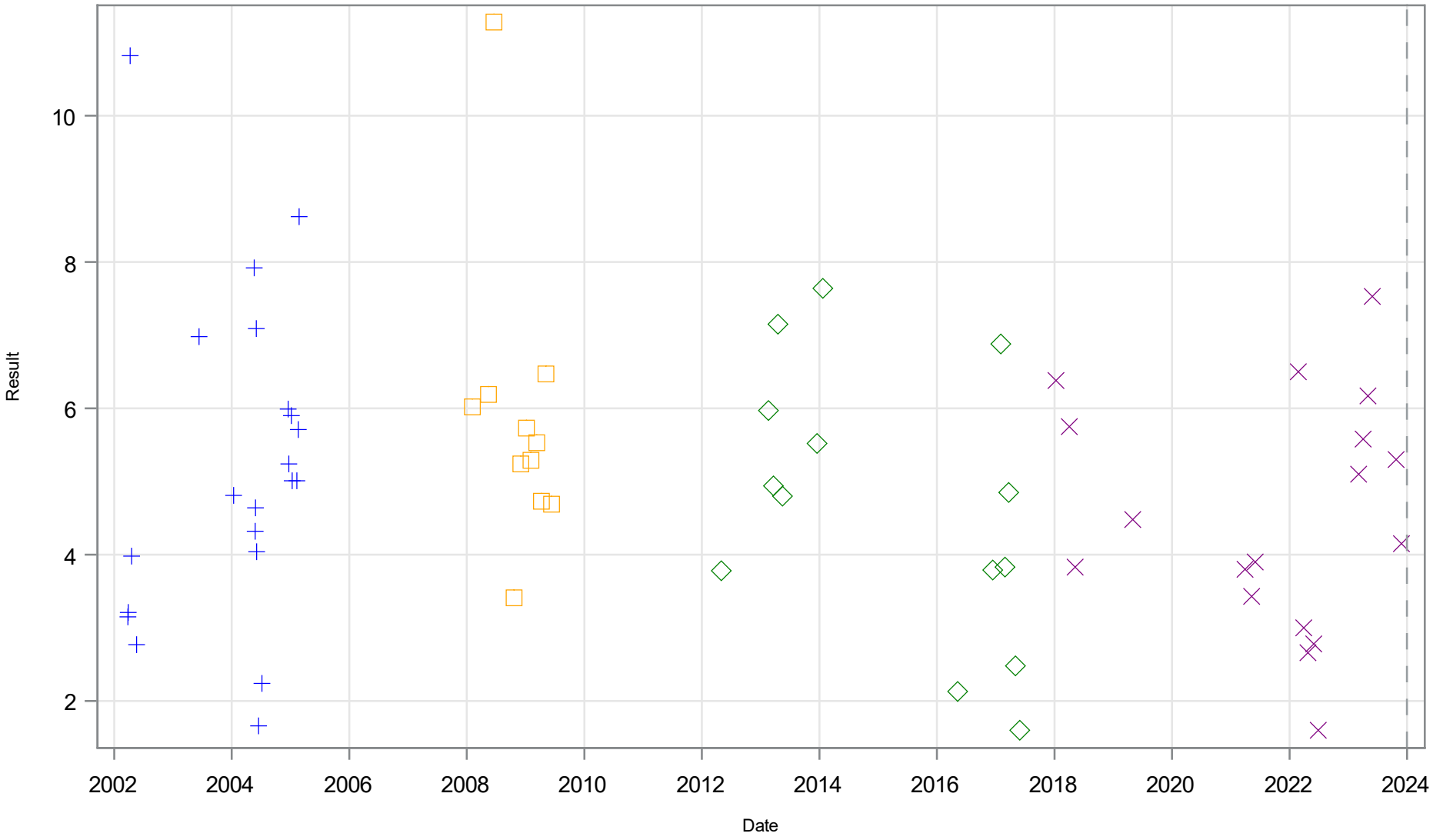
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

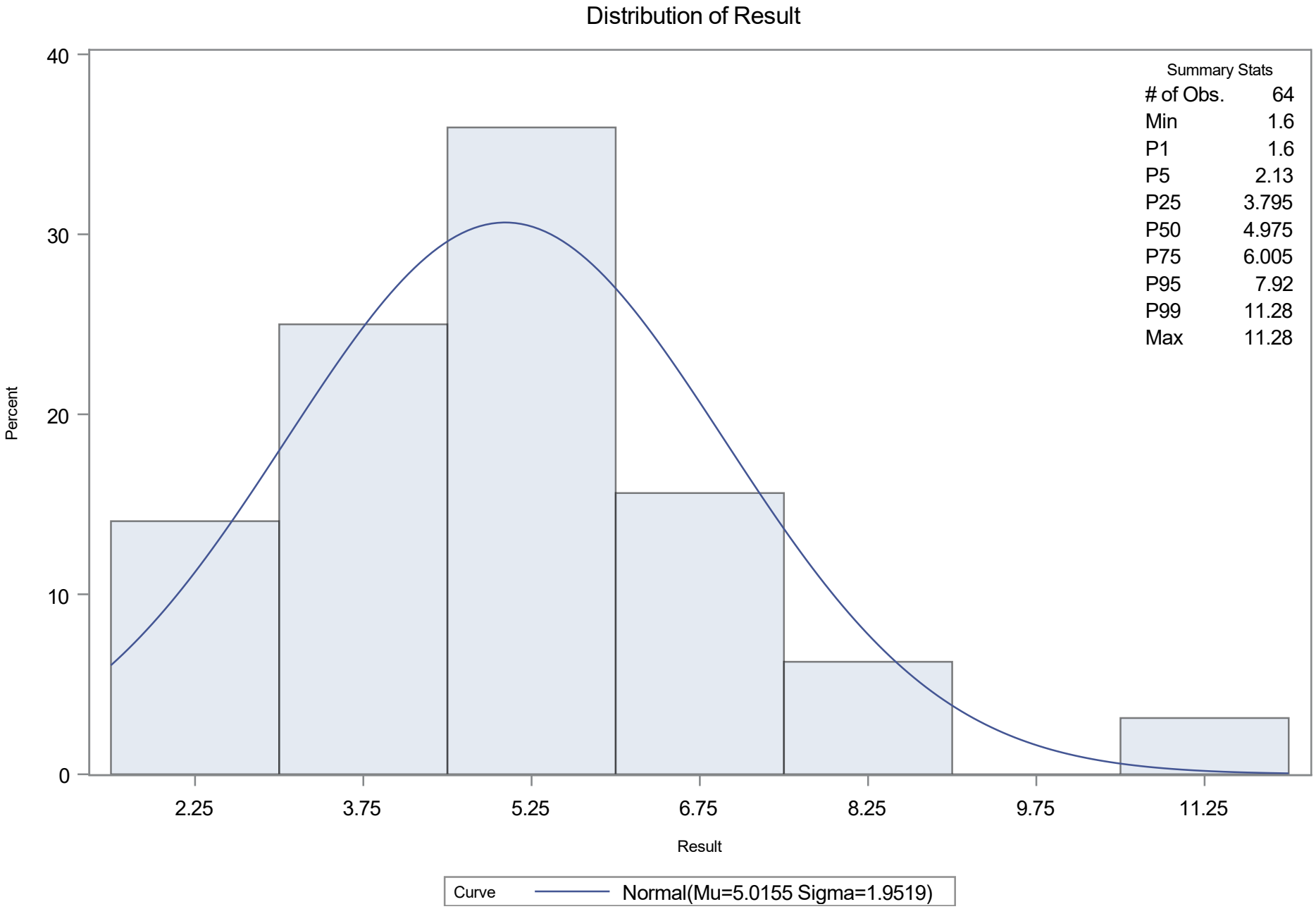
Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.015469
Std Dev	Sigma	1.951946

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07055424	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04880331	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.42604001	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.60000	0.47456
5.0	2.13000	1.80480
10.0	2.66000	2.51395
25.0	3.79500	3.69890
50.0	4.97500	5.01547
75.0	6.00500	6.33204
90.0	7.15000	7.51699
95.0	7.92000	8.22613
99.0	11.28000	9.55638

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

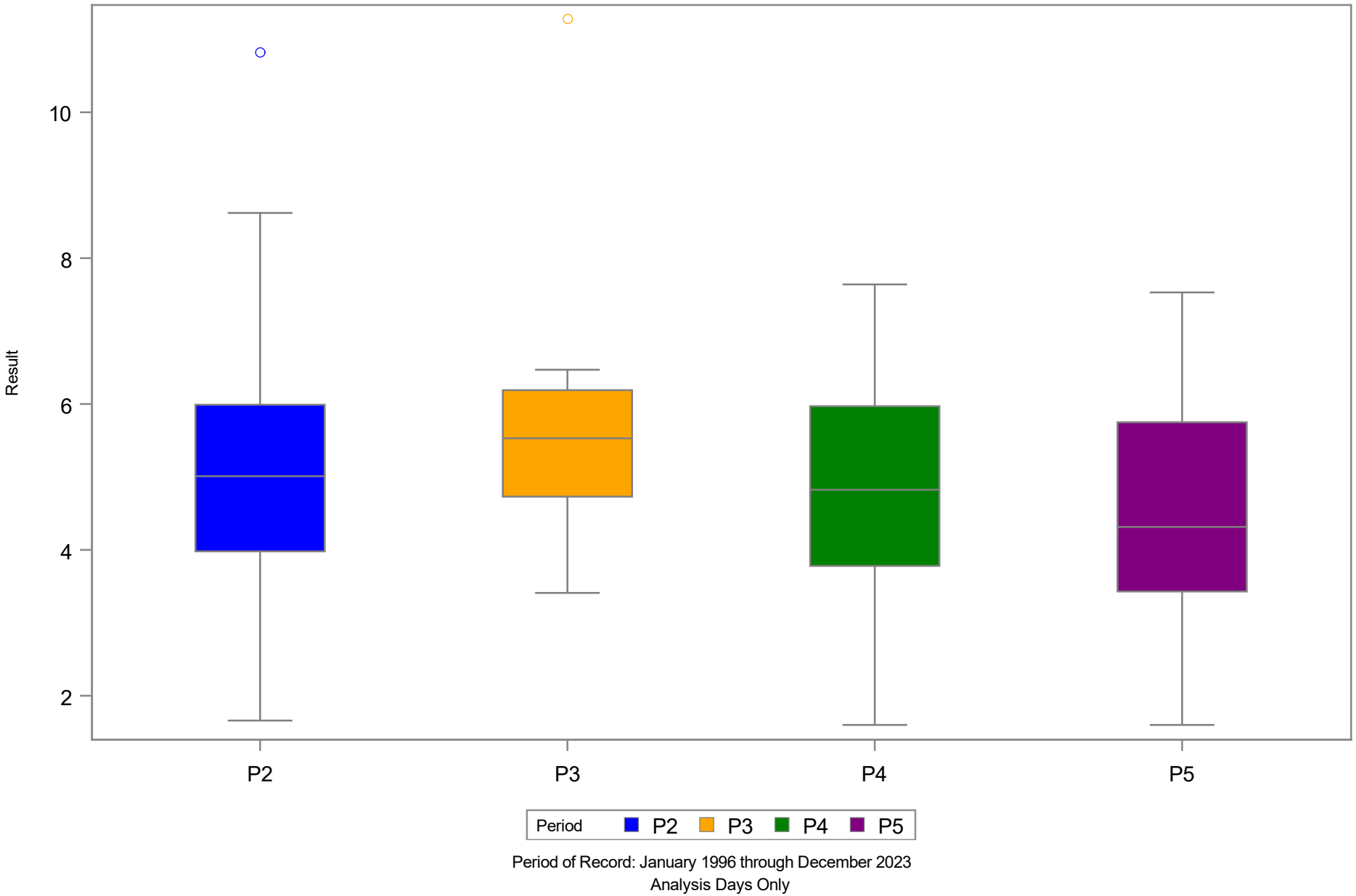
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.66	3.98	5.20	5.01	5.99	10.82
P3	11	3.41	4.73	5.87	5.53	6.19	11.28
P4	14	1.60	3.78	4.67	4.83	5.97	7.64
P5	18	1.60	3.43	4.55	4.32	5.75	7.53

Period of Record: January 1996 through December 2023
Analysis Days Only

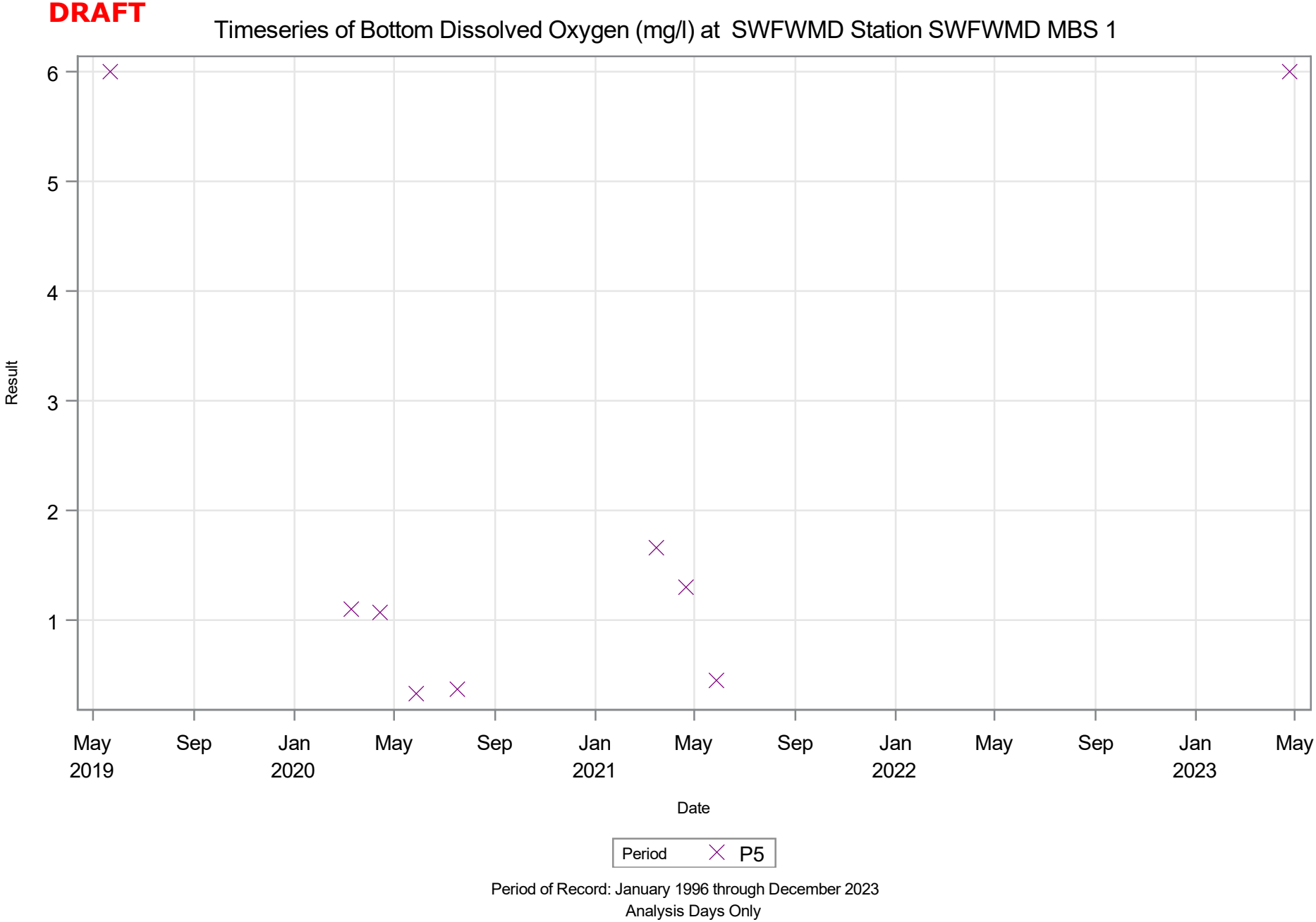
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



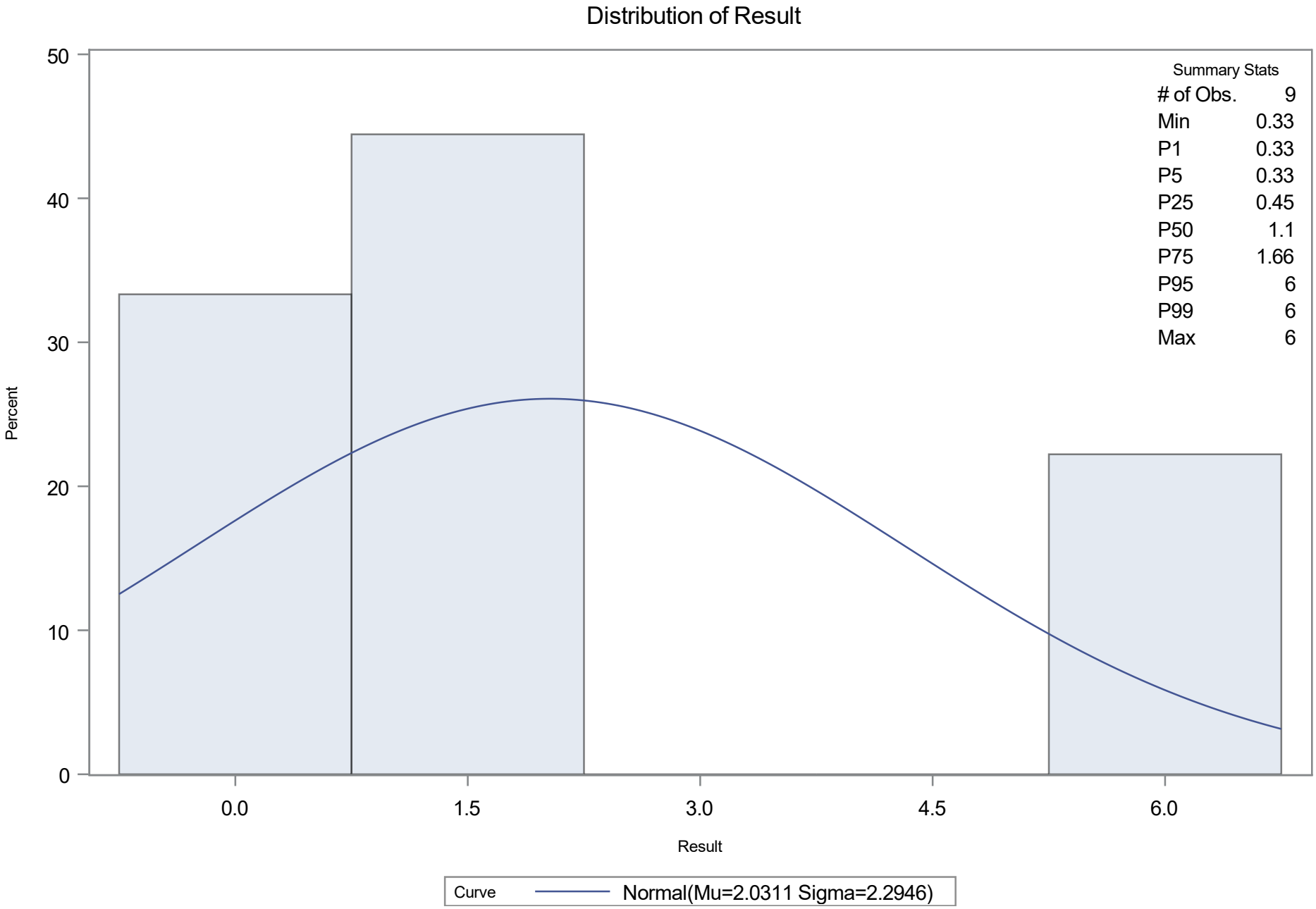
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1
Result
6
5
4
3
2
1
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.031111
Std Dev	Sigma	2.294561

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34202055	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22610648	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.25506319	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.33000	-3.30684
5.0	0.33000	-1.74311
10.0	0.33000	-0.90949
25.0	0.45000	0.48345
50.0	1.10000	2.03111
75.0	1.66000	3.57877
90.0	6.00000	4.97171
95.0	6.00000	5.80533
99.0	6.00000	7.36906

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1

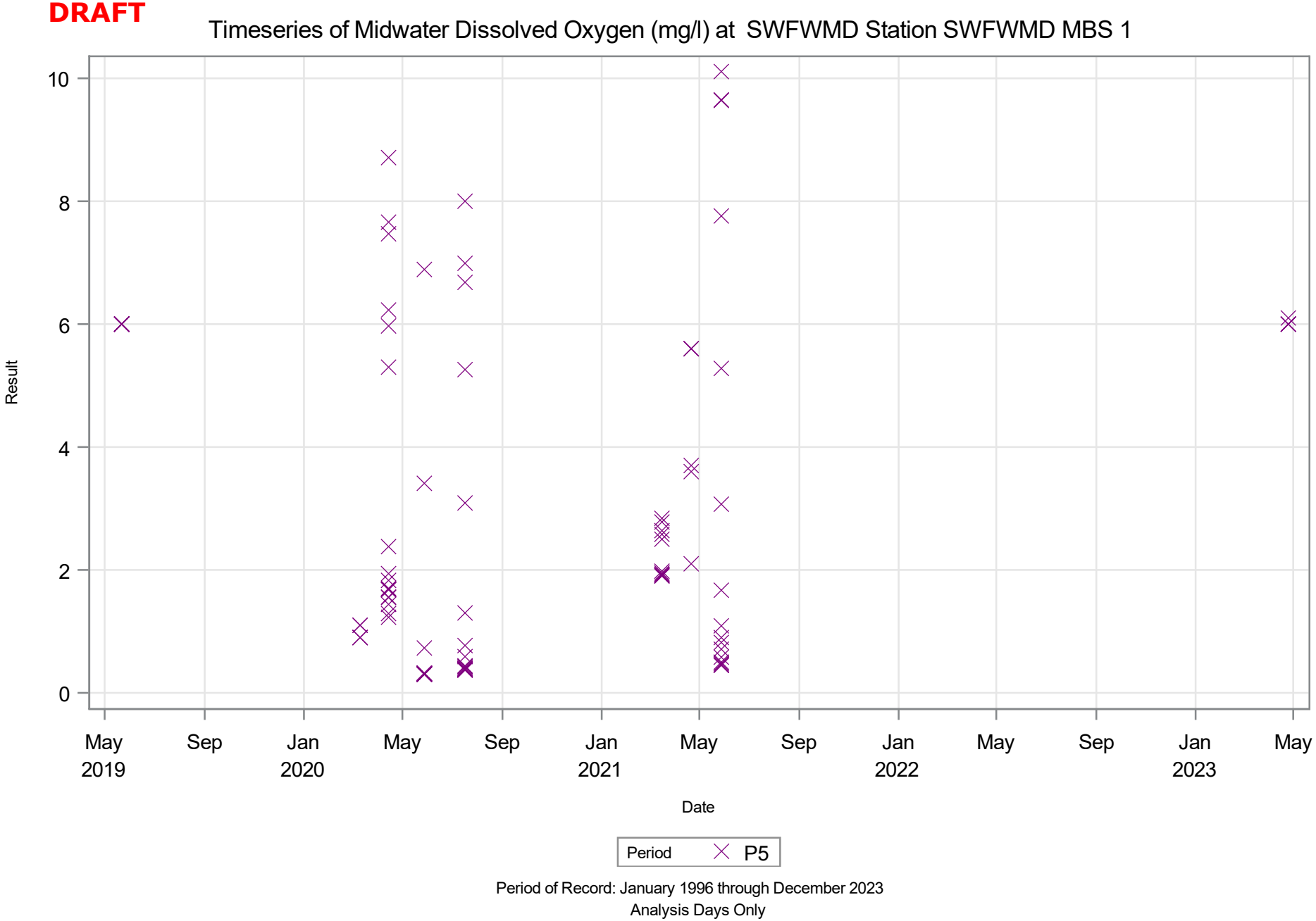
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	0.33	0.45	2.03	1.10	1.66	6.00

Period of Record: January 1996 through December 2023
Analysis Days Only

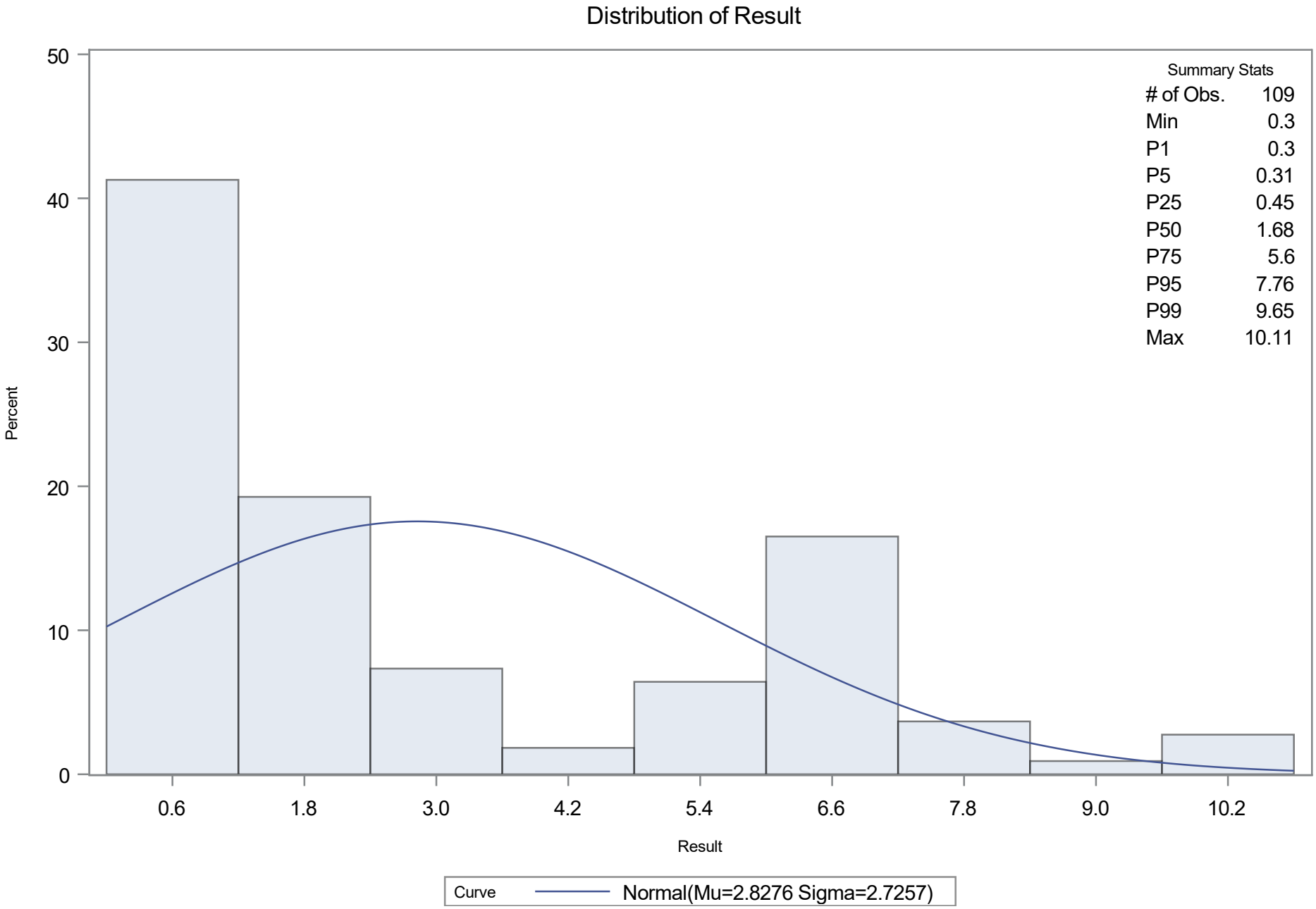
DRAFT Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1
Result
10
8
6
4
2
0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.827615
Std Dev	Sigma	2.725707

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20924448	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.30156647	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.24997295	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-3.51333
5.0	0.31000	-1.65577
10.0	0.31000	-0.66552
25.0	0.45000	0.98915
50.0	1.68000	2.82761
75.0	5.60000	4.66608
90.0	6.68000	6.32075
95.0	7.76000	7.31100
99.0	9.65000	9.16856

Period of Record: January 1996 through December 2023
Analysis Days Only

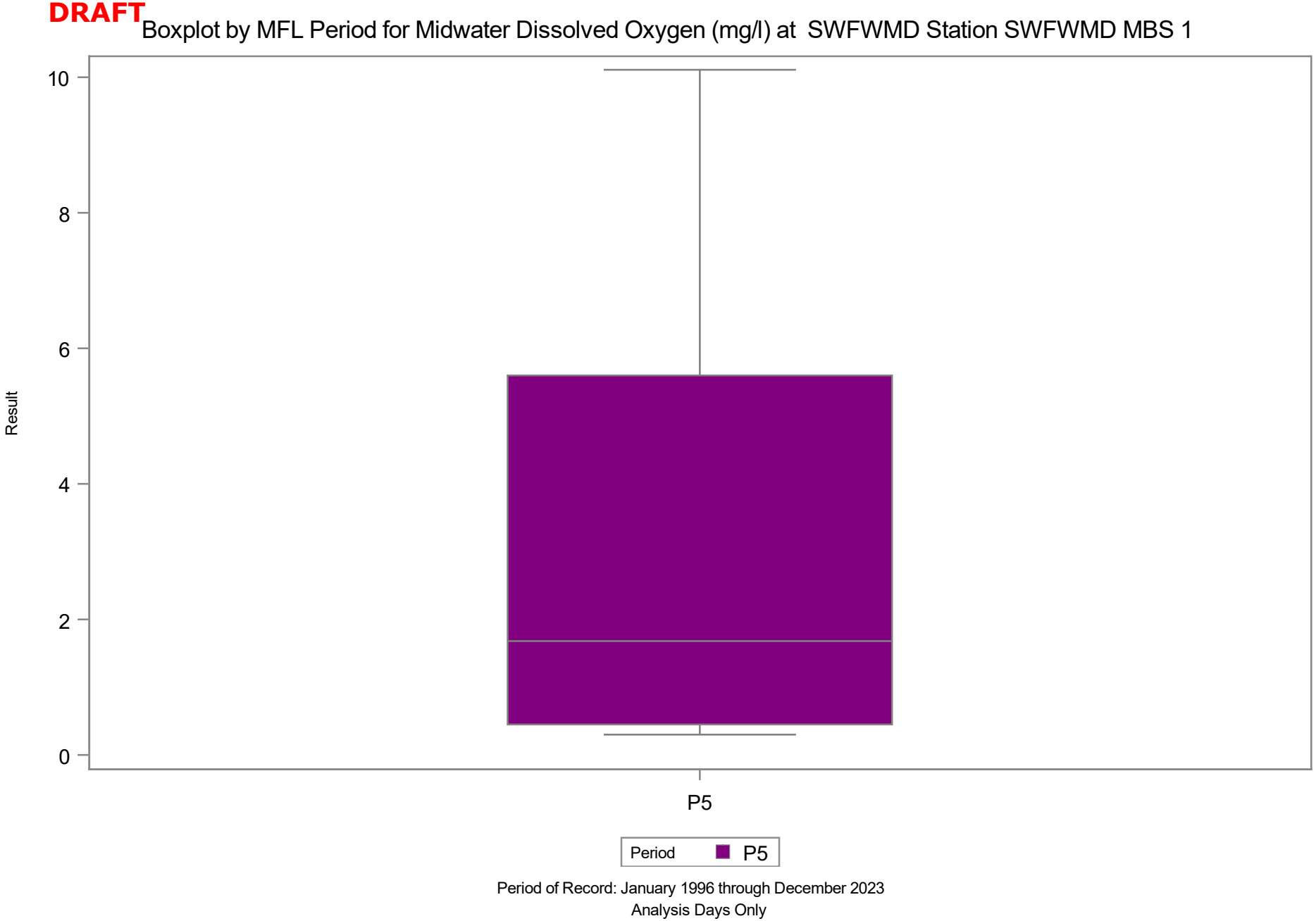
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1

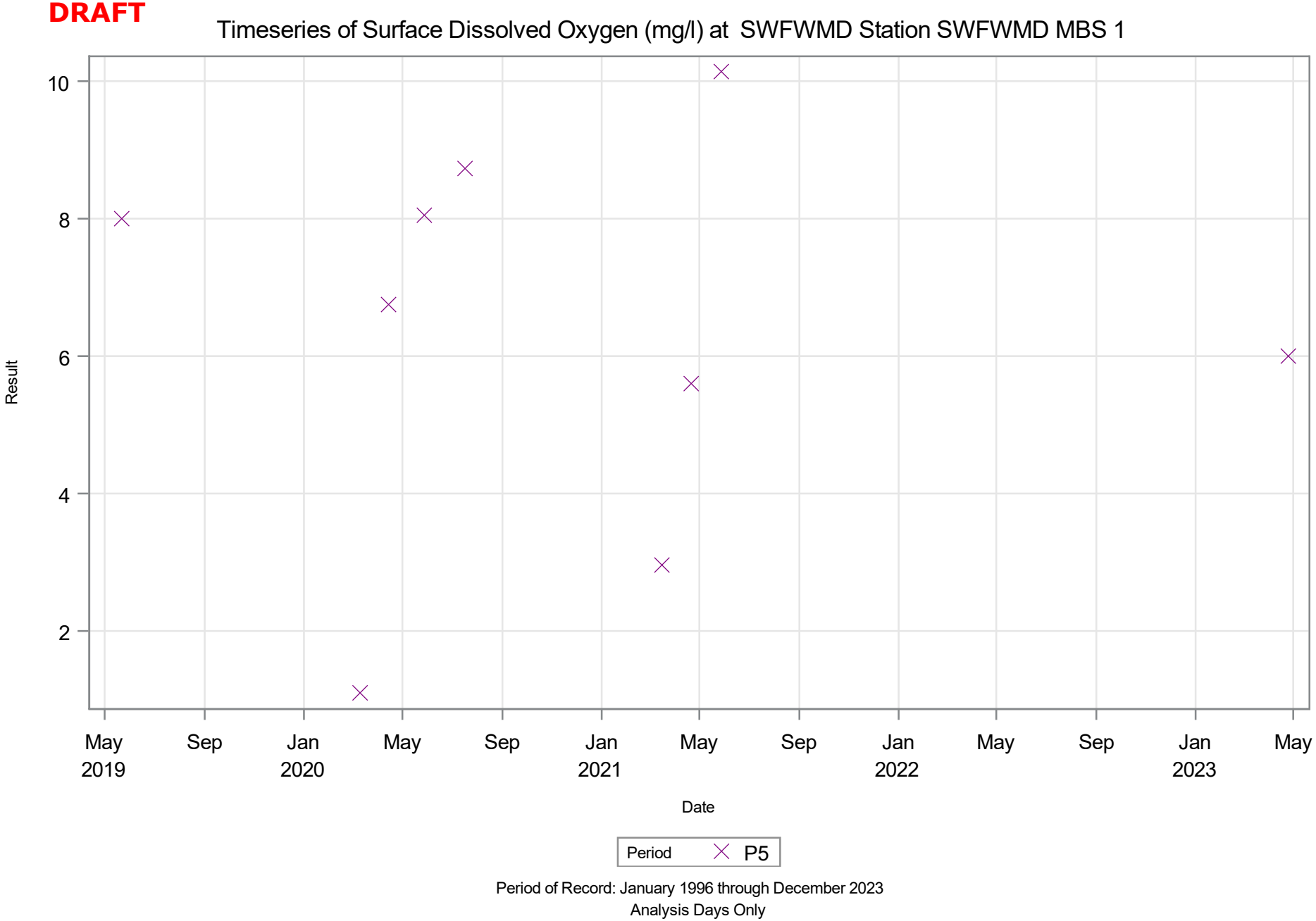
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	109	0.30	0.45	2.83	1.68	5.60	10.11

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

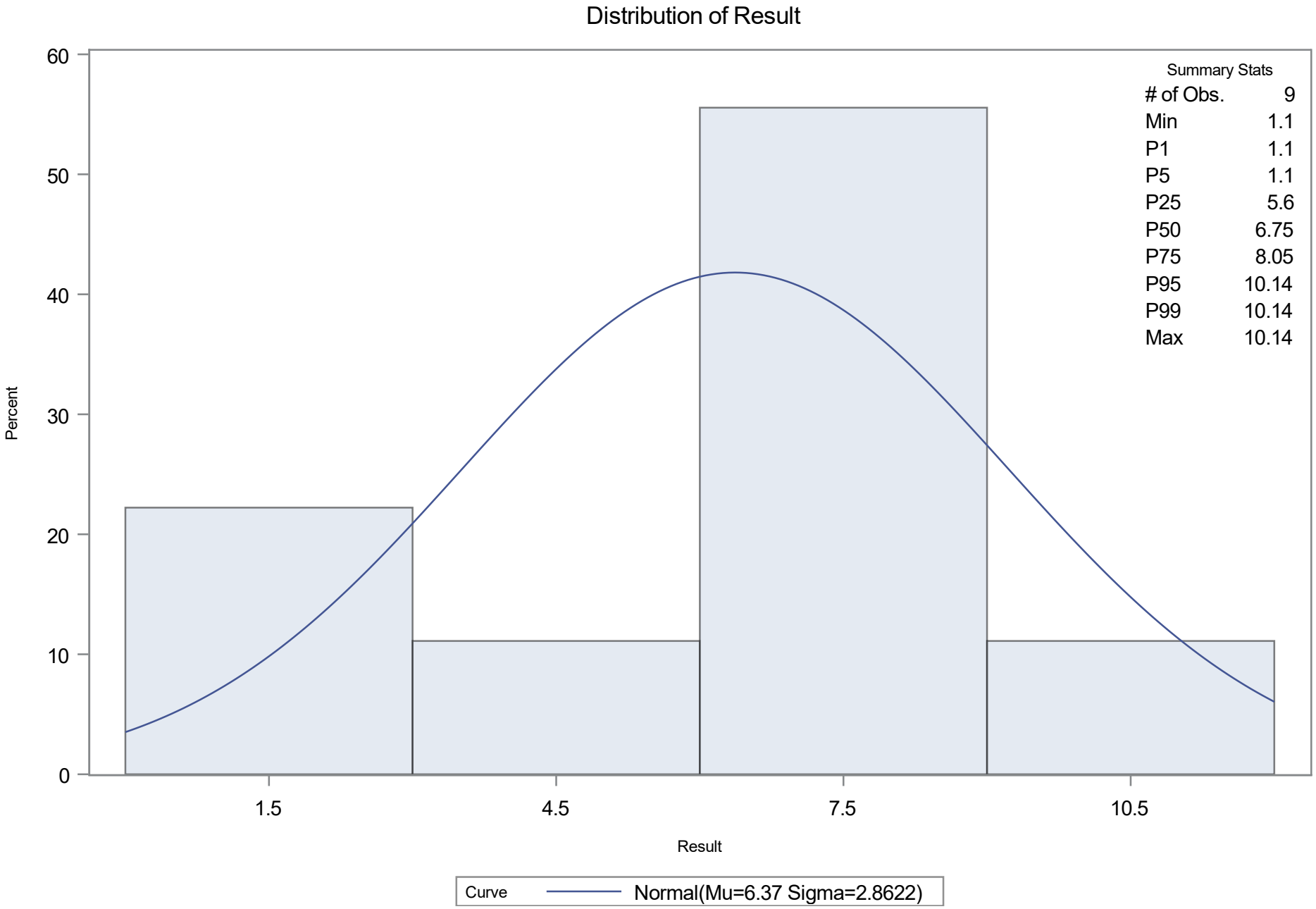

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1
Result
10
8
6
4
2
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1
Result
10
8
6
4
2
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.37
Std Dev	Sigma	2.862189

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17173305	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04593777	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28311206	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.10000	-0.28845
5.0	1.10000	1.66212
10.0	1.10000	2.70196
25.0	5.60000	4.43948
50.0	6.75000	6.37000
75.0	8.05000	8.30052
90.0	10.14000	10.03804
95.0	10.14000	11.07788
99.0	10.14000	13.02845

Period of Record: January 1996 through December 2023
Analysis Days Only

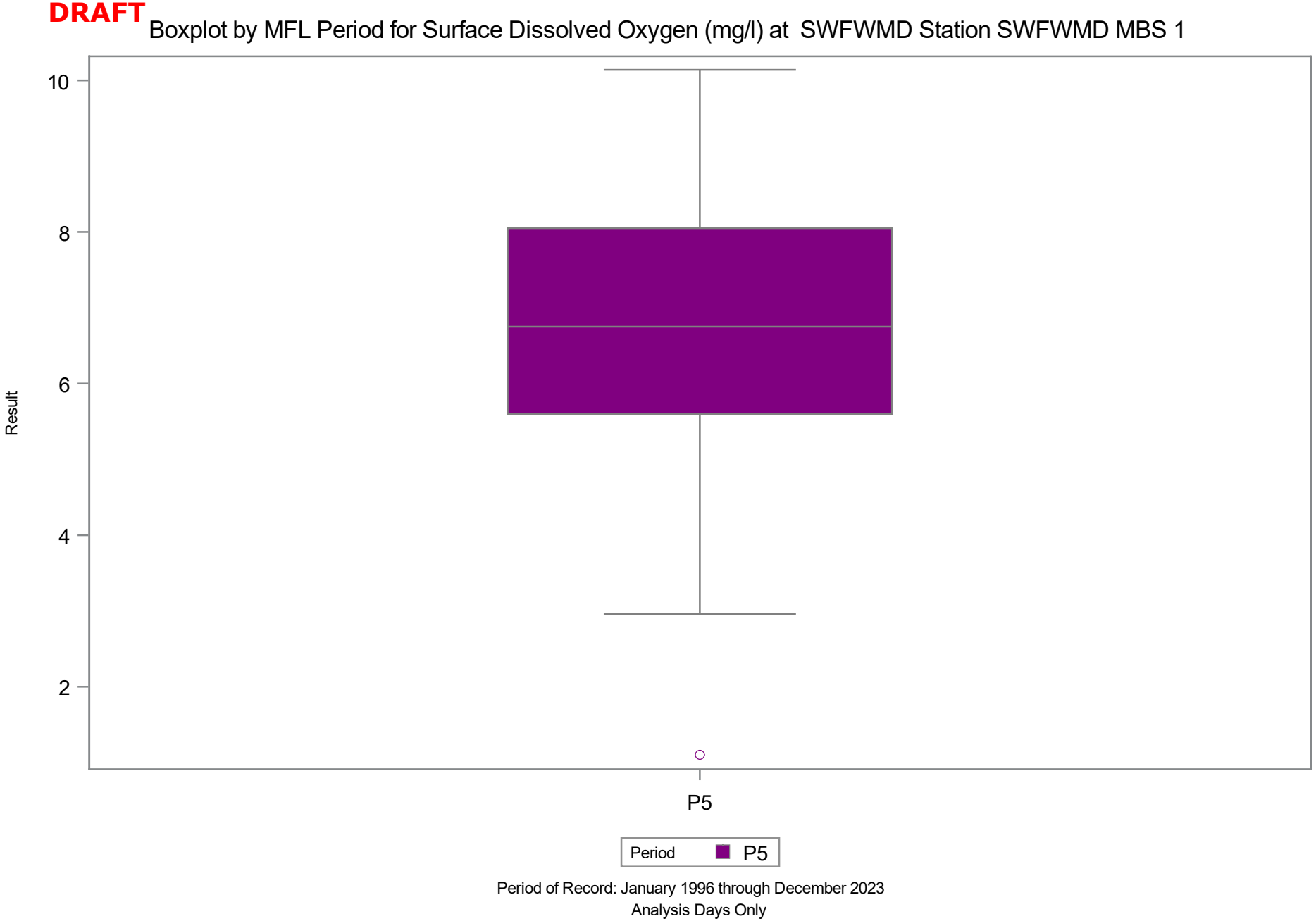
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1

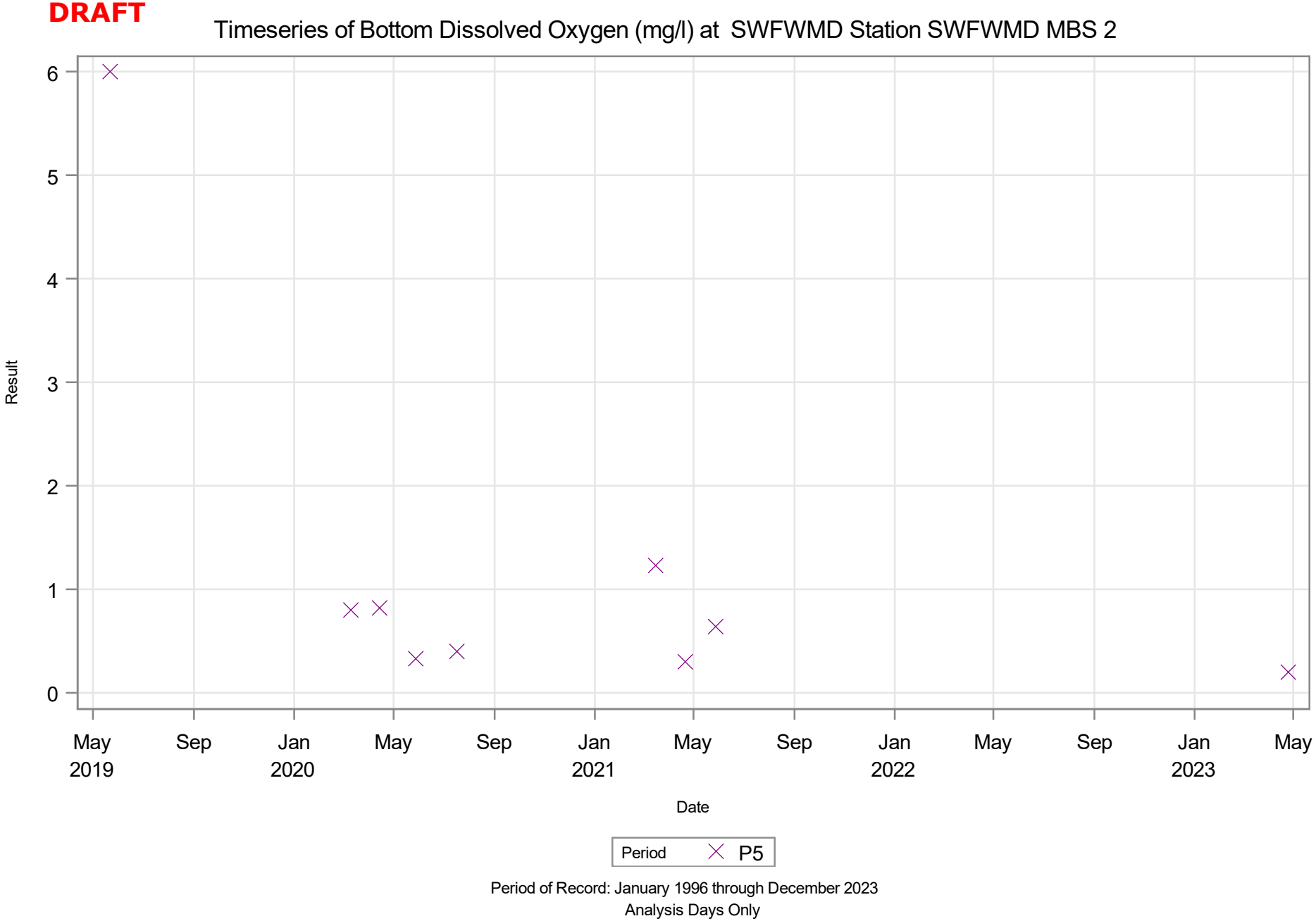
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	1.10	5.60	6.37	6.75	8.05	10.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

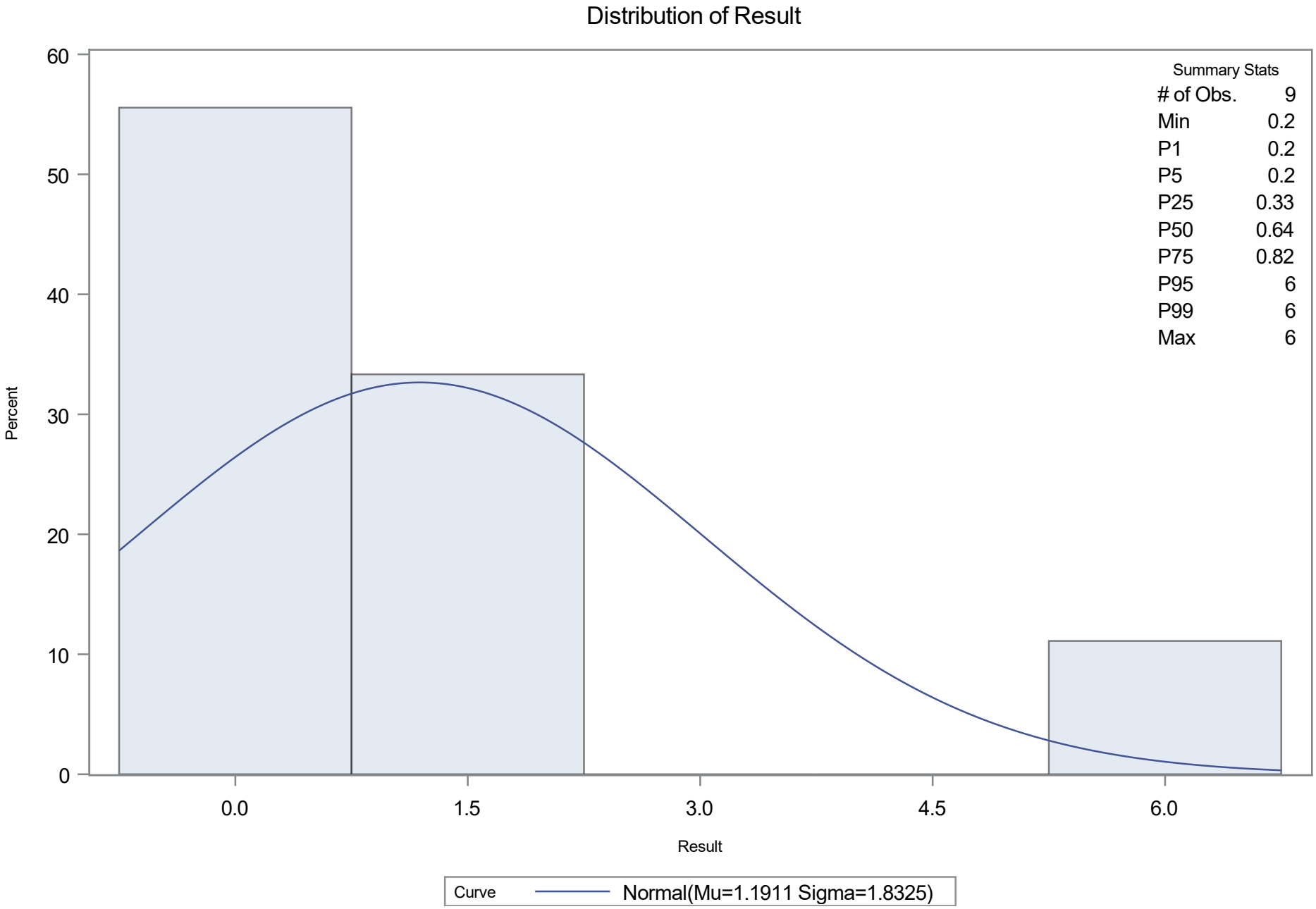

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 1
Result
10
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2
Result
6
5
4
3
2
1
0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.191111
Std Dev	Sigma	1.832522

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.38042336	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.34451230	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.81552211	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-3.07197
5.0	0.20000	-1.82312
10.0	0.20000	-1.15736
25.0	0.33000	-0.04491
50.0	0.64000	1.19111
75.0	0.82000	2.42713
90.0	6.00000	3.53958
95.0	6.00000	4.20534
99.0	6.00000	5.45419

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	0.20	0.33	1.19	0.64	0.82	6.00

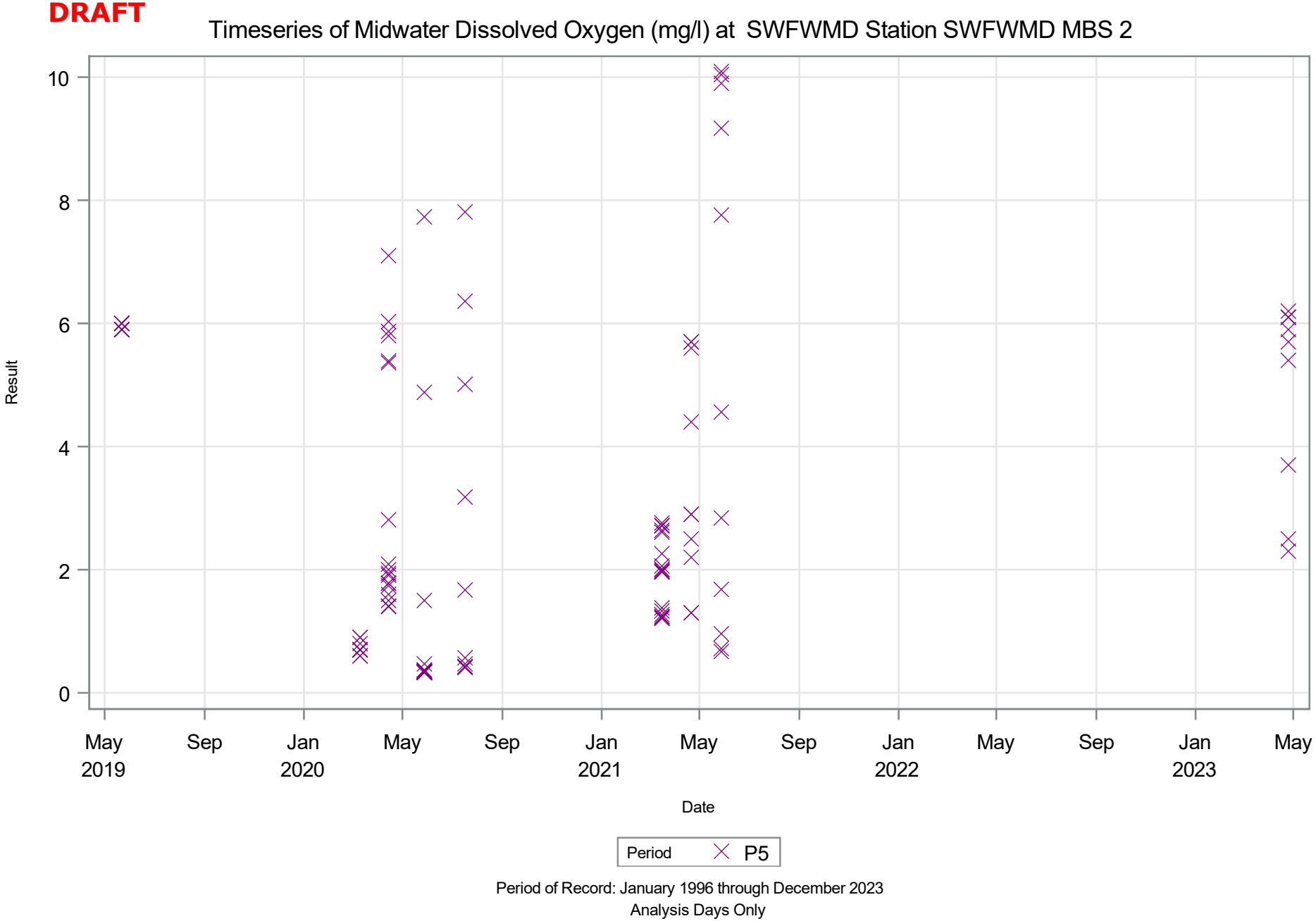
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

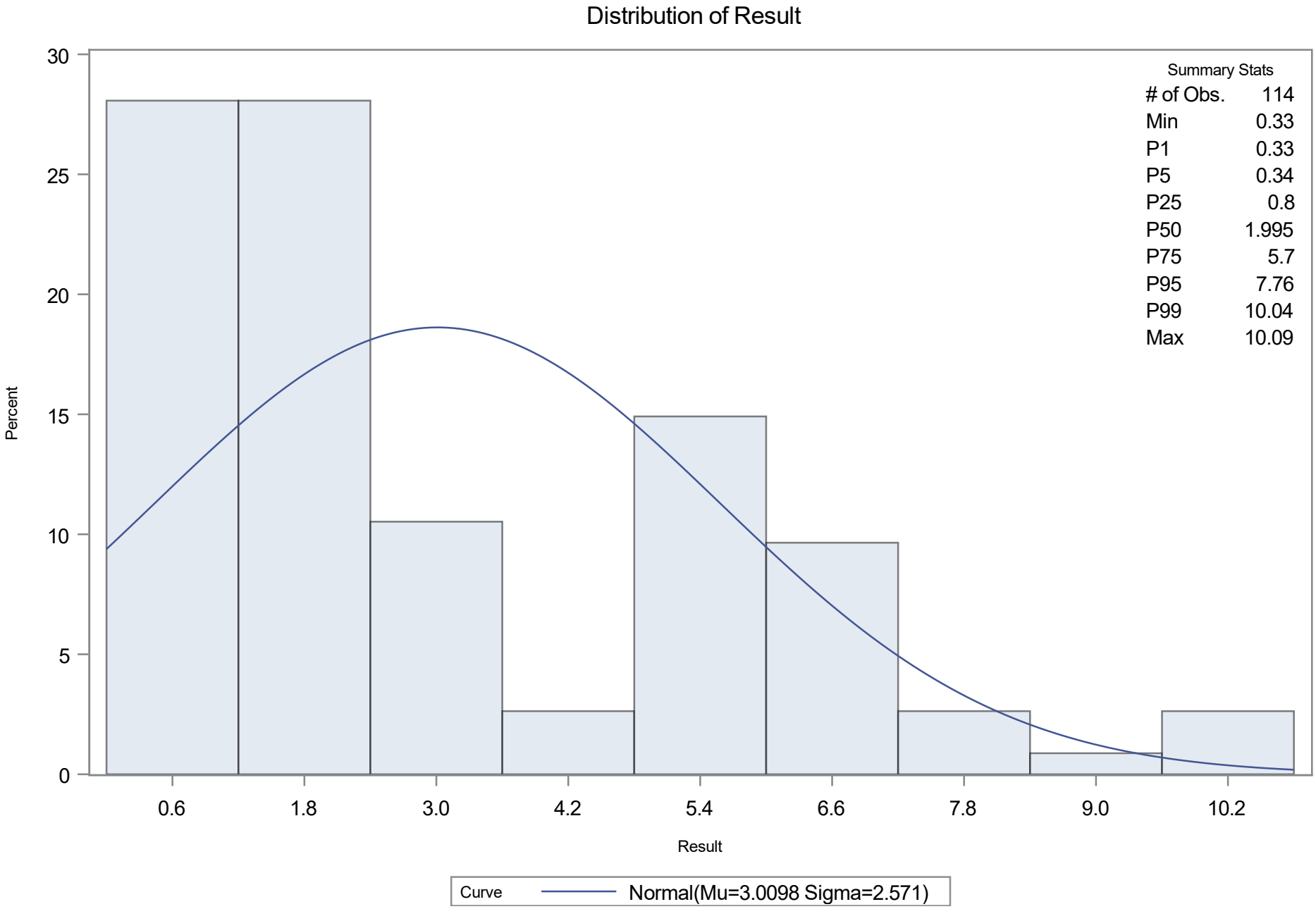
Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2
Result
10
8
6
4
2
0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.009825
Std Dev	Sigma	2.570961

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17493130	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.02043236	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.65364236	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.33000	-2.97113
5.0	0.34000	-1.21903
10.0	0.37000	-0.28499
25.0	0.80000	1.27574
50.0	1.99500	3.00982
75.0	5.70000	4.74391
90.0	6.10000	6.30464
95.0	7.76000	7.23868
99.0	10.04000	8.99077

Period of Record: January 1996 through December 2023
Analysis Days Only

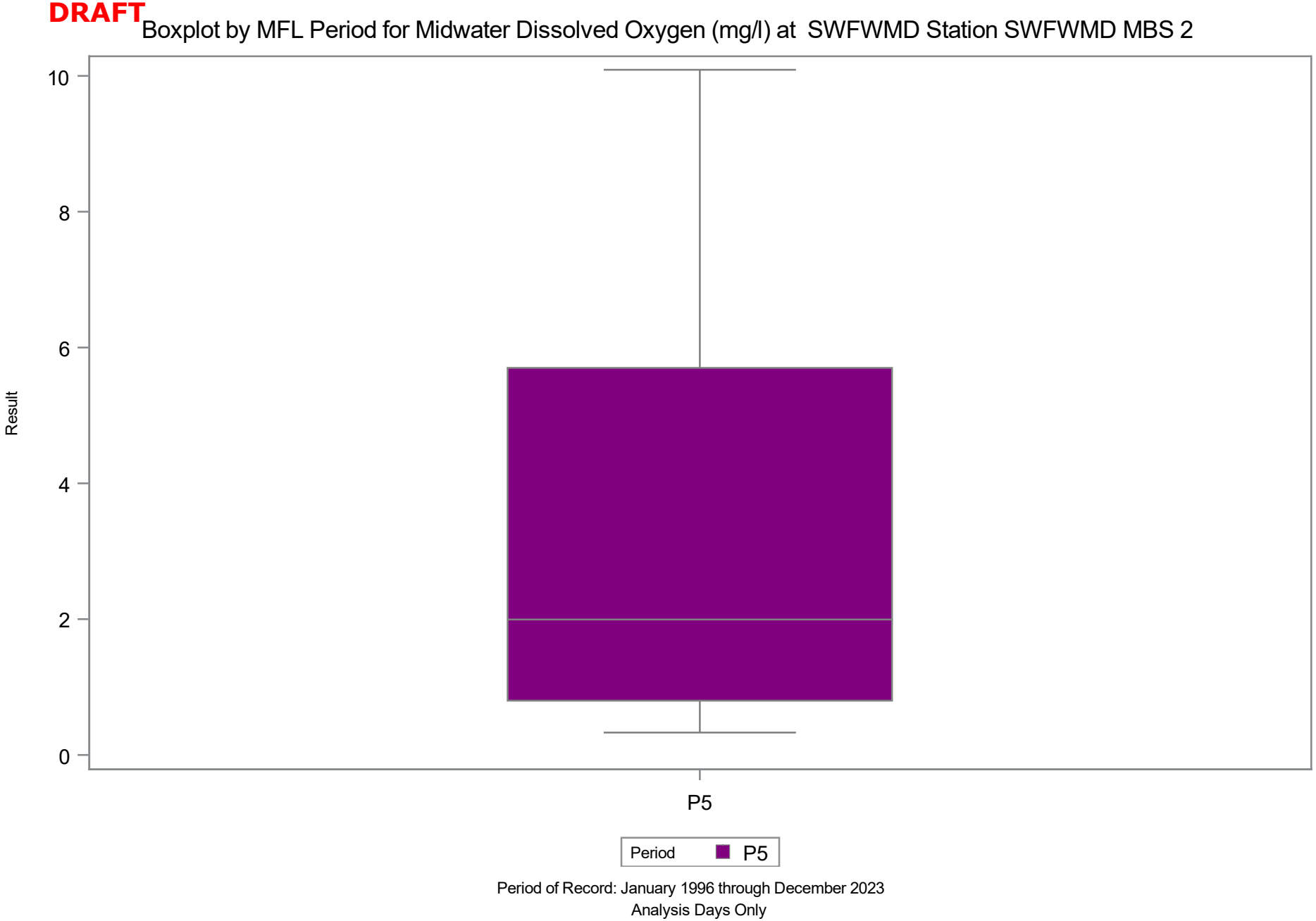
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2

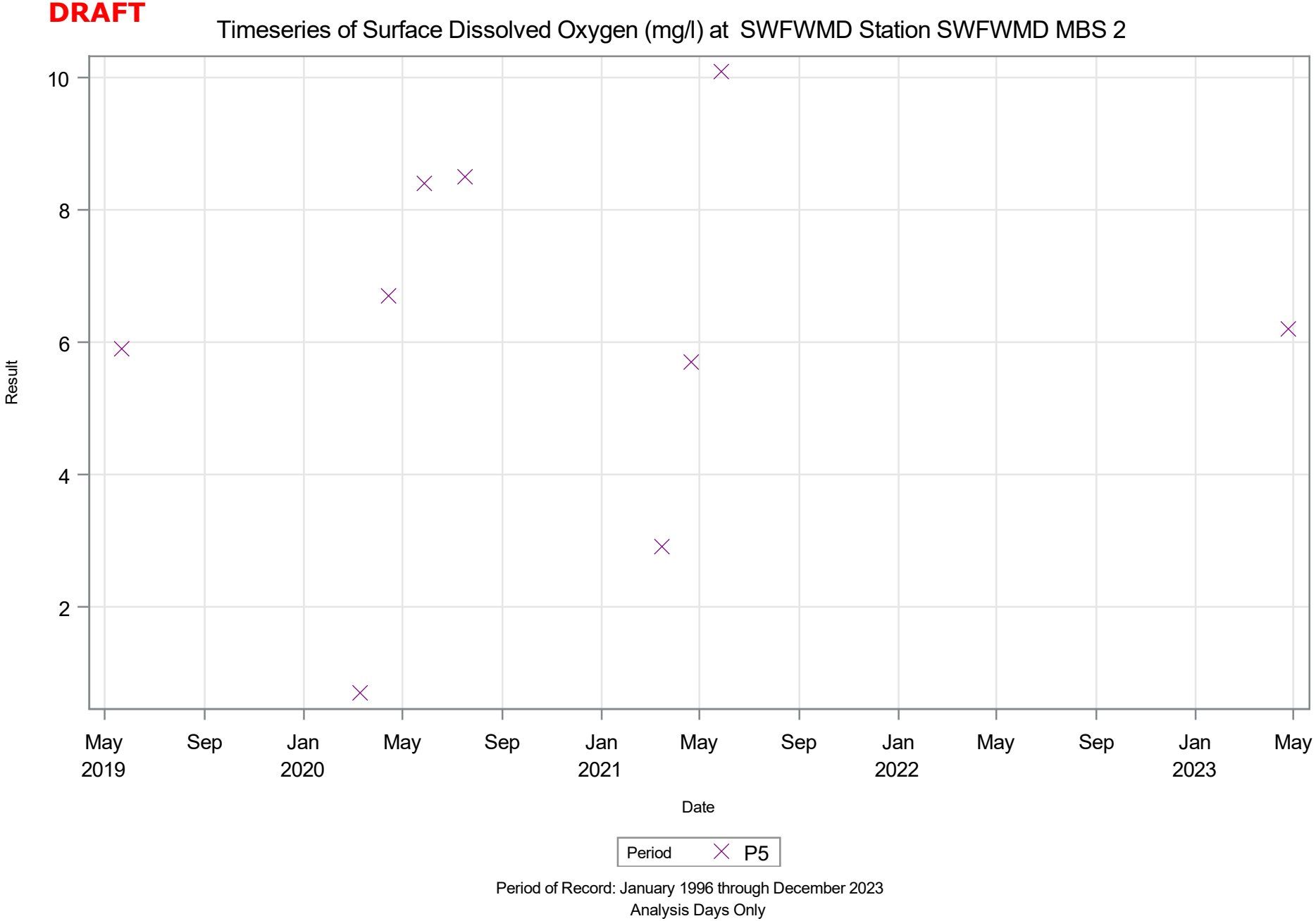
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	114	0.33	0.80	3.01	2.00	5.70	10.09

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

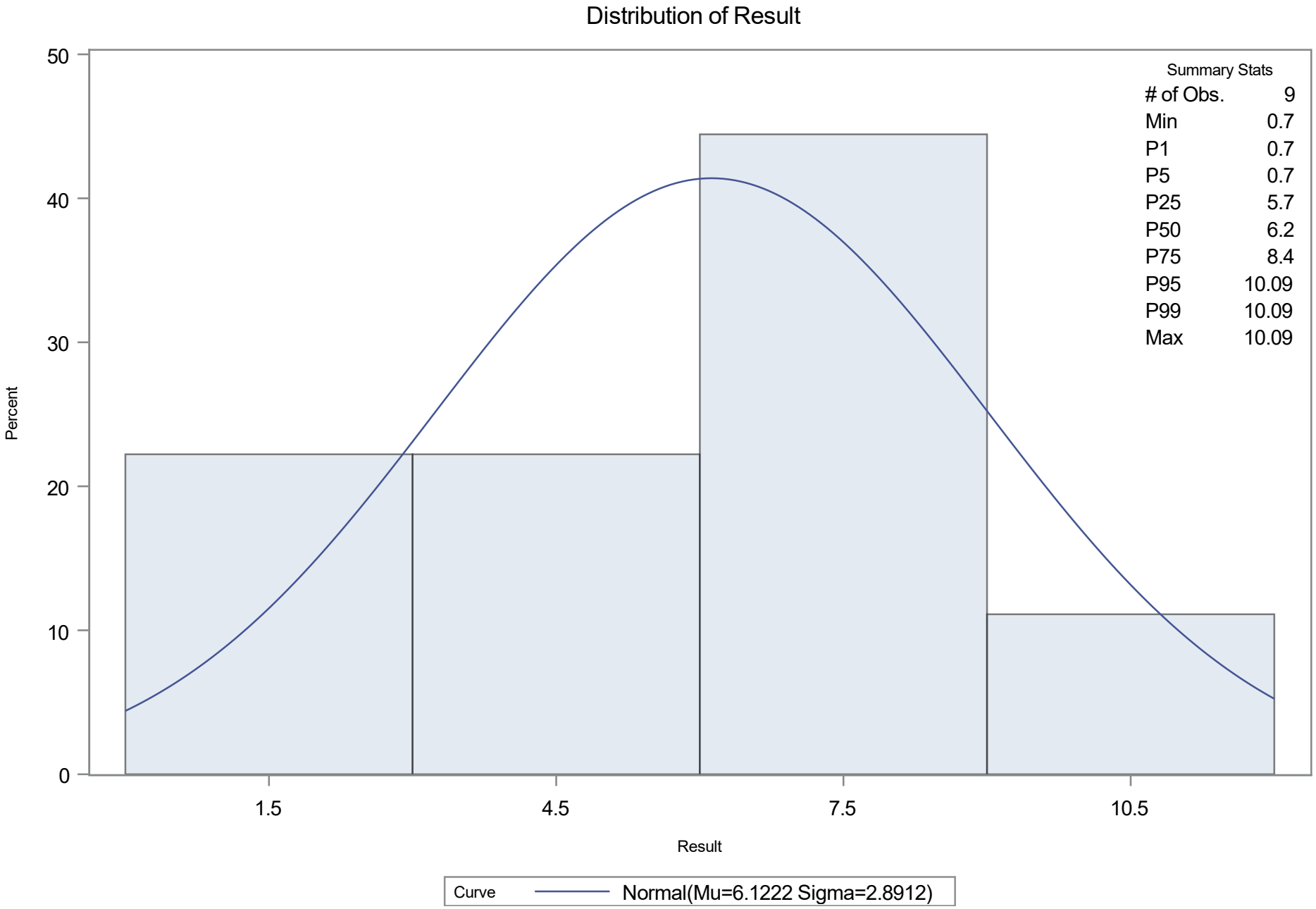

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2
Result
10
8
6
4
2
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2
Result
10
8
6
4
2
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.122222
Std Dev	Sigma	2.891188

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21972363	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05182869	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29892480	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.70000	-0.60369
5.0	0.70000	1.36664
10.0	0.70000	2.41702
25.0	5.70000	4.17215
50.0	6.20000	6.12222
75.0	8.40000	8.07230
90.0	10.09000	9.82743
95.0	10.09000	10.87780
99.0	10.09000	12.84813

Period of Record: January 1996 through December 2023
Analysis Days Only

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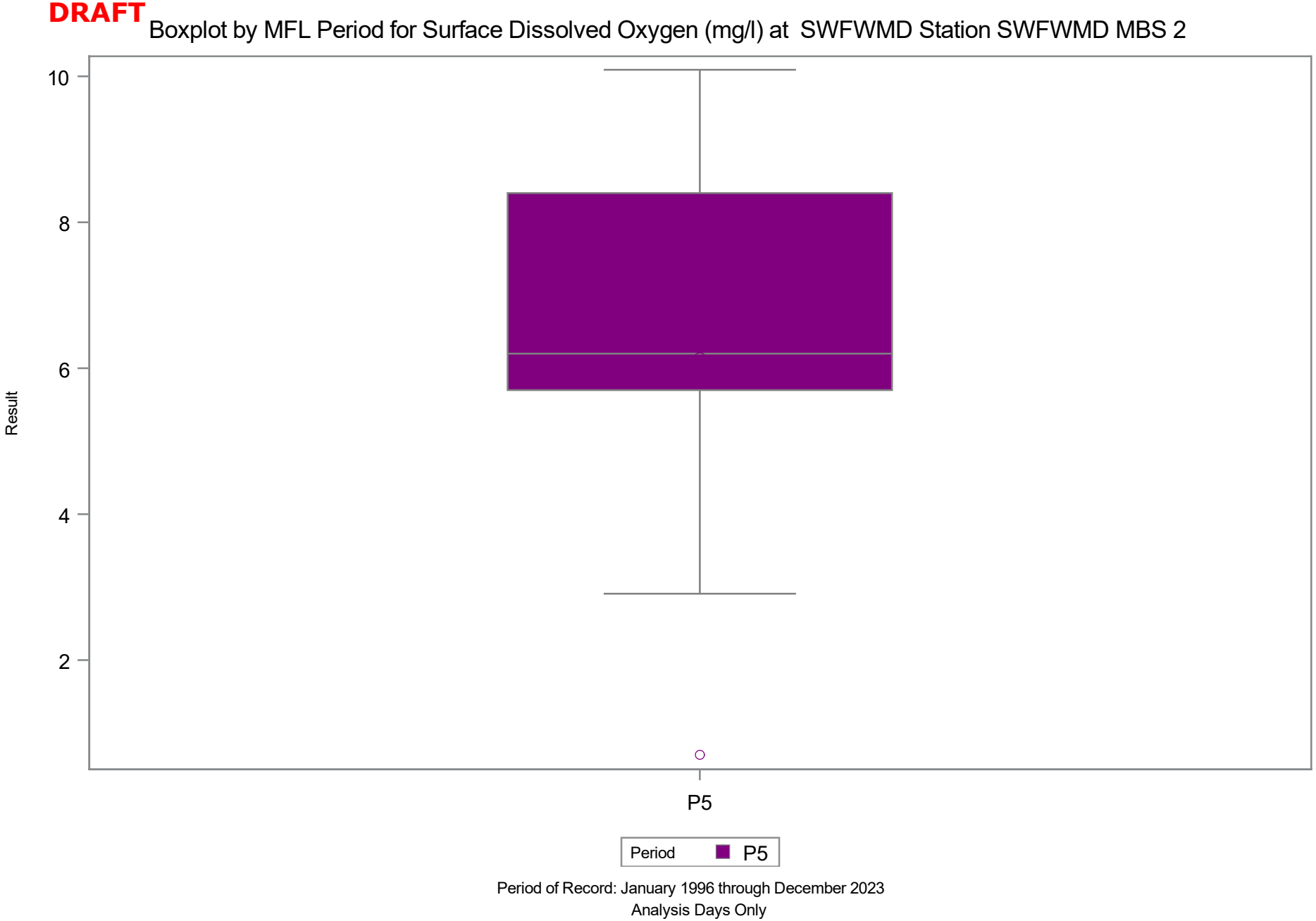
Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2

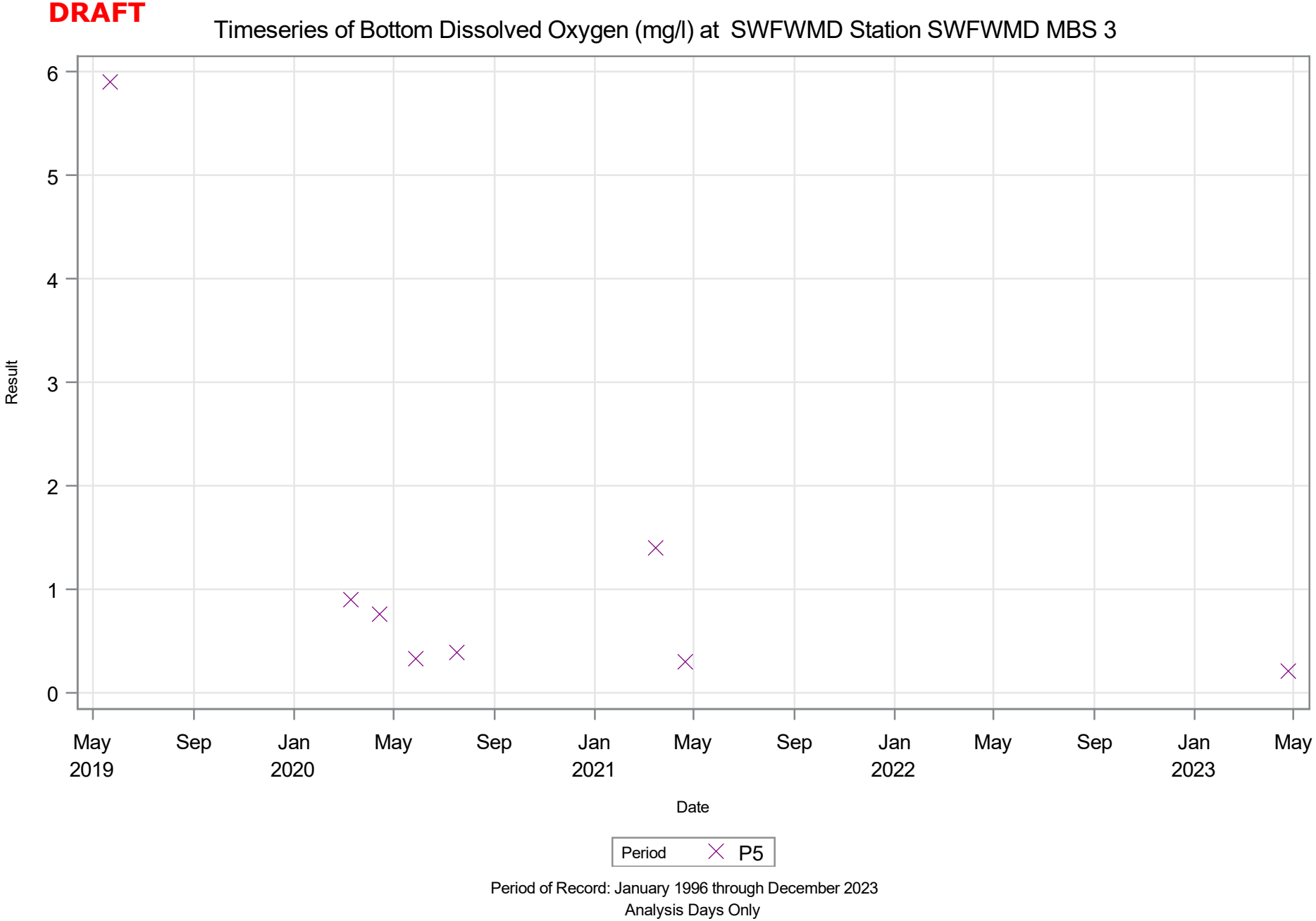
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	0.70	5.70	6.12	6.20	8.40	10.09

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

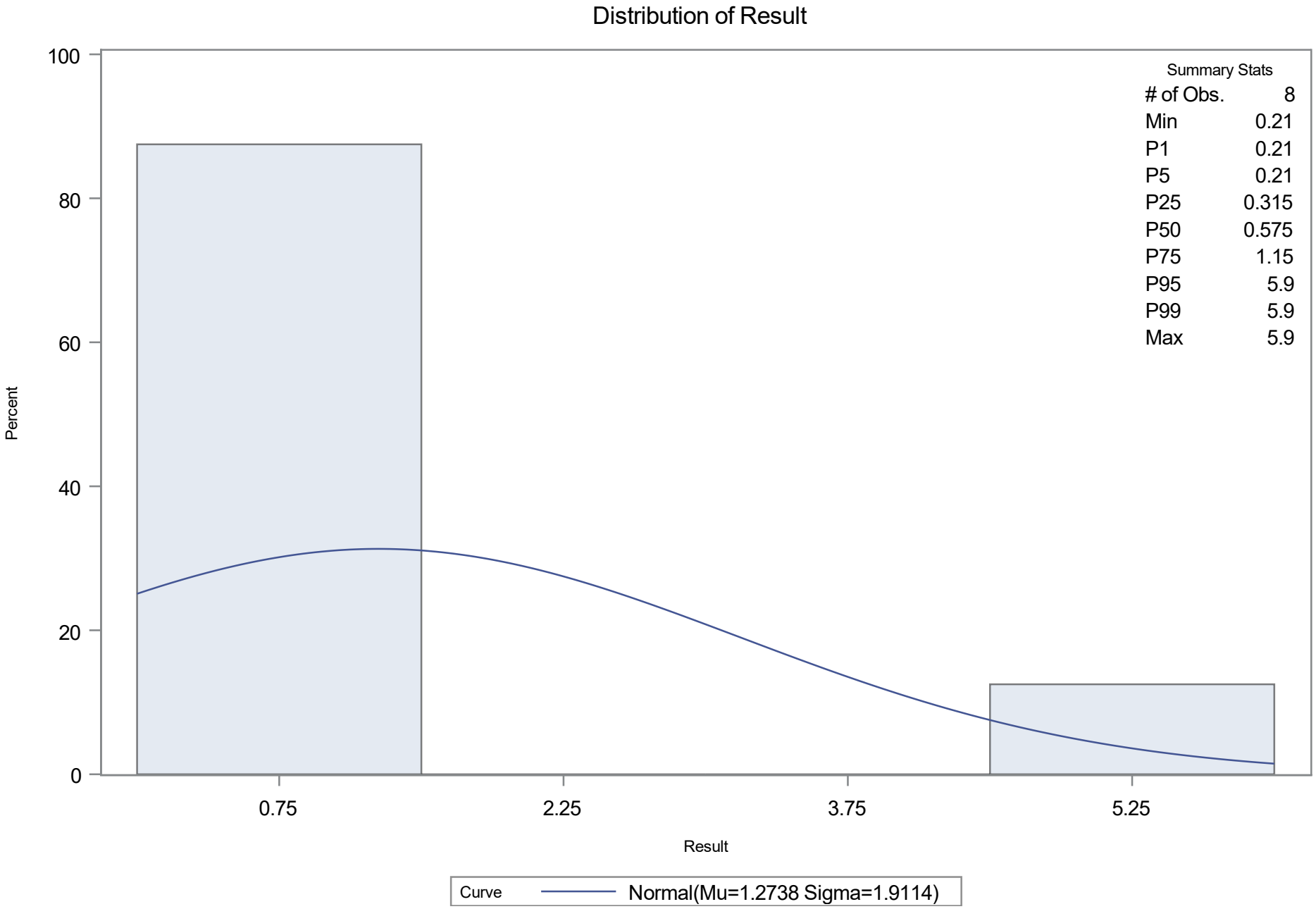

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 2
Result
10
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
6
5
4
3
2
1
0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.27375
Std Dev	Sigma	1.911364

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.34866809	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27240392	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.46144060	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.21000	-3.17275
5.0	0.21000	-1.87016
10.0	0.21000	-1.17576
25.0	0.31500	-0.01545
50.0	0.57500	1.27375
75.0	1.15000	2.56295
90.0	5.90000	3.72326
95.0	5.90000	4.41766
99.0	5.90000	5.72025

Period of Record: January 1996 through December 2023
Analysis Days Only

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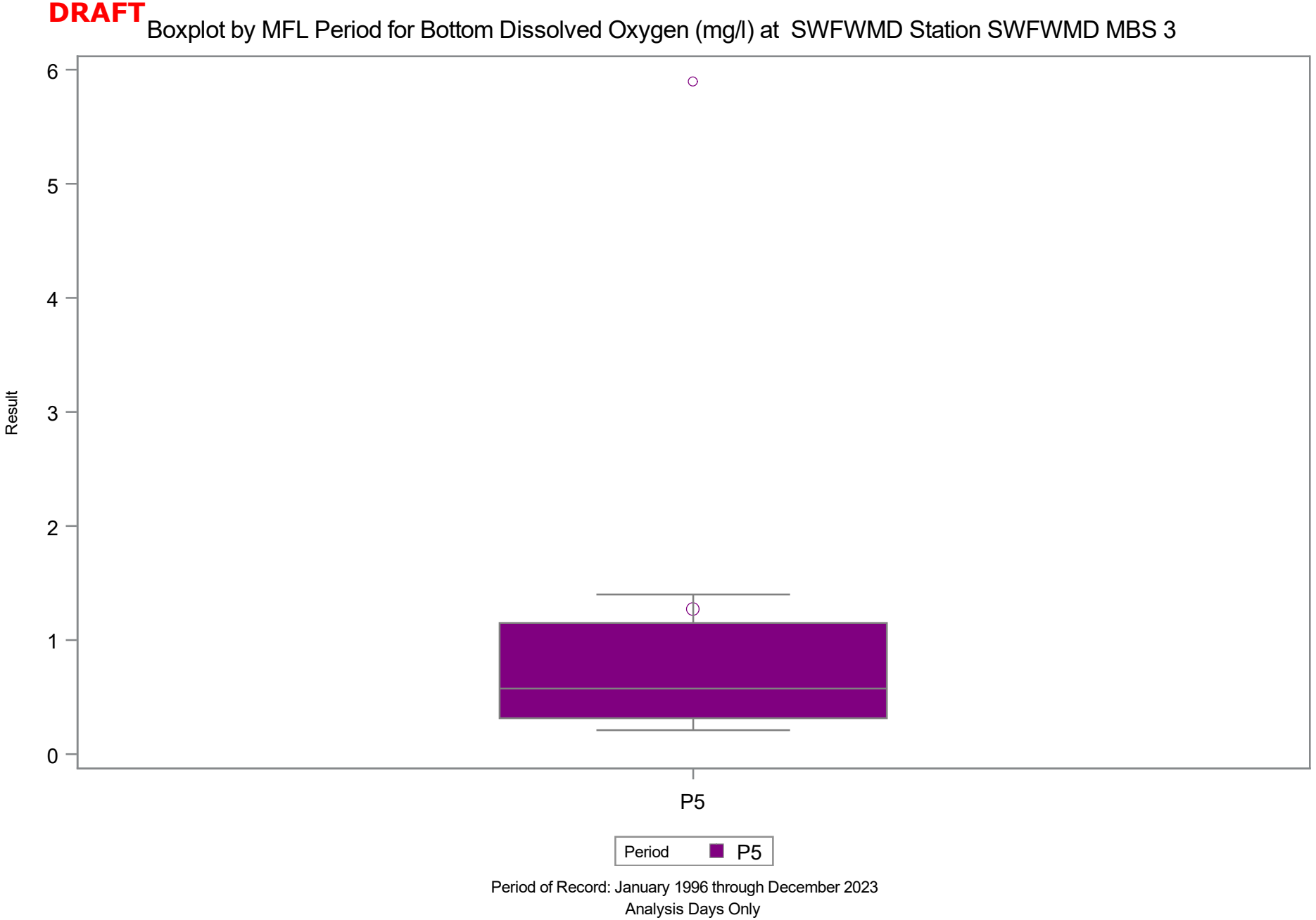
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3

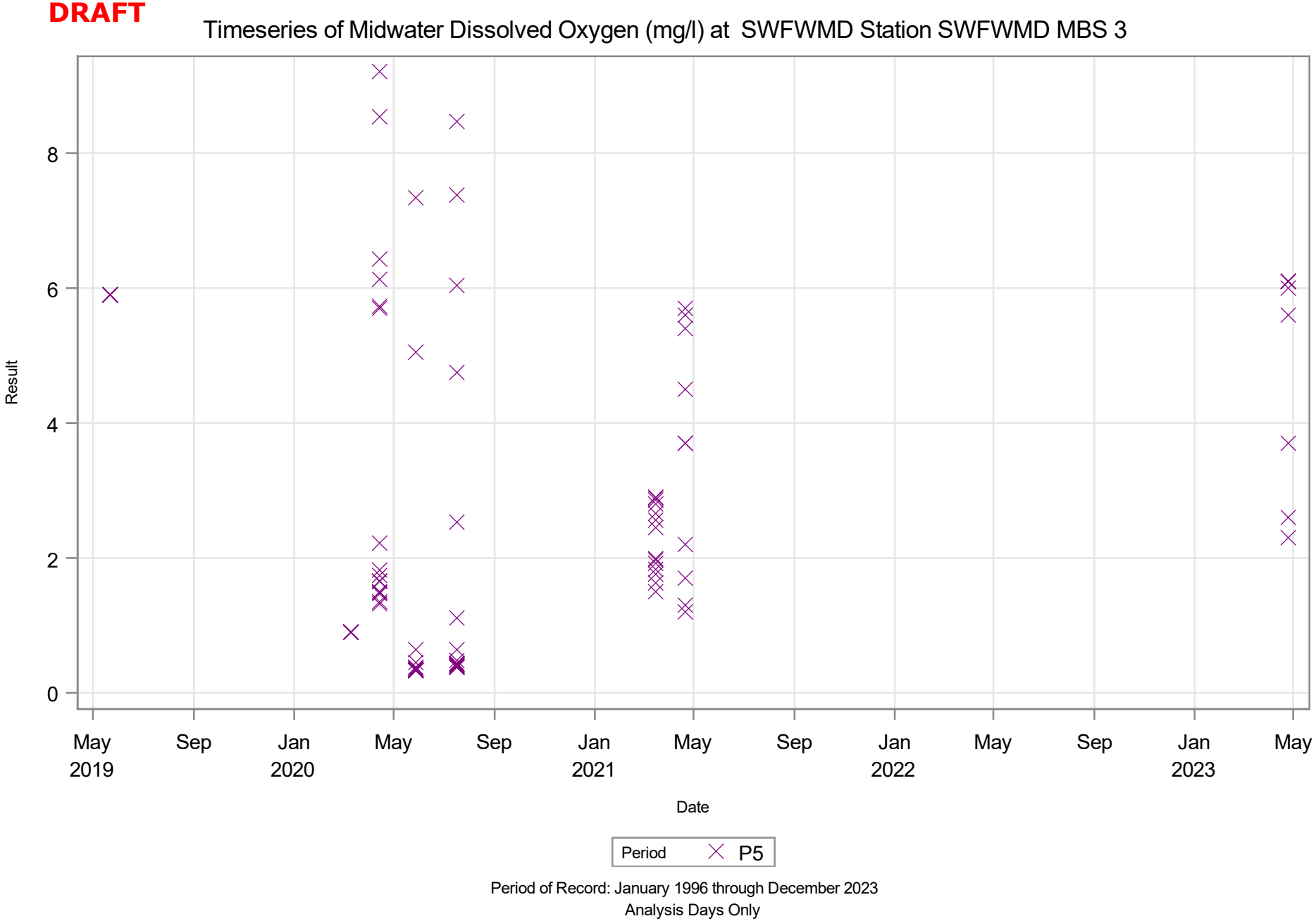
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	0.21	0.32	1.27	0.58	1.15	5.90

Period of Record: January 1996 through December 2023
Analysis Days Only

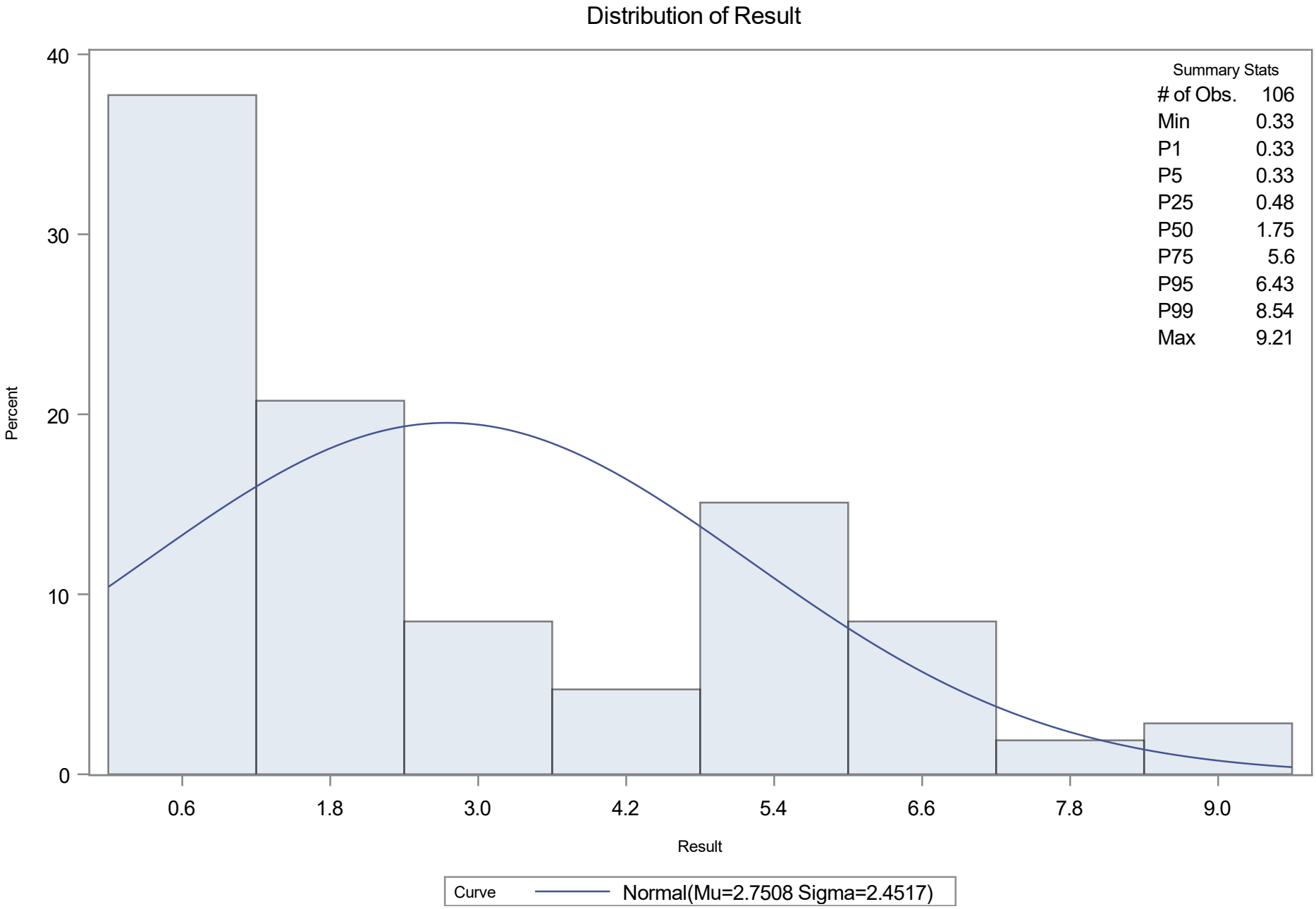
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
6
5
4
3
2
1
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
0
2
4
6
8
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.750755
Std Dev	Sigma	2.451736

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17843444	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.11045862	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.44635597	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.33000	-2.95283
5.0	0.33000	-1.28199
10.0	0.35000	-0.39127
25.0	0.48000	1.09708
50.0	1.75000	2.75075
75.0	5.60000	4.40443
90.0	6.10000	5.89278
95.0	6.43000	6.78350
99.0	8.54000	8.45434

Period of Record: January 1996 through December 2023
Analysis Days Only

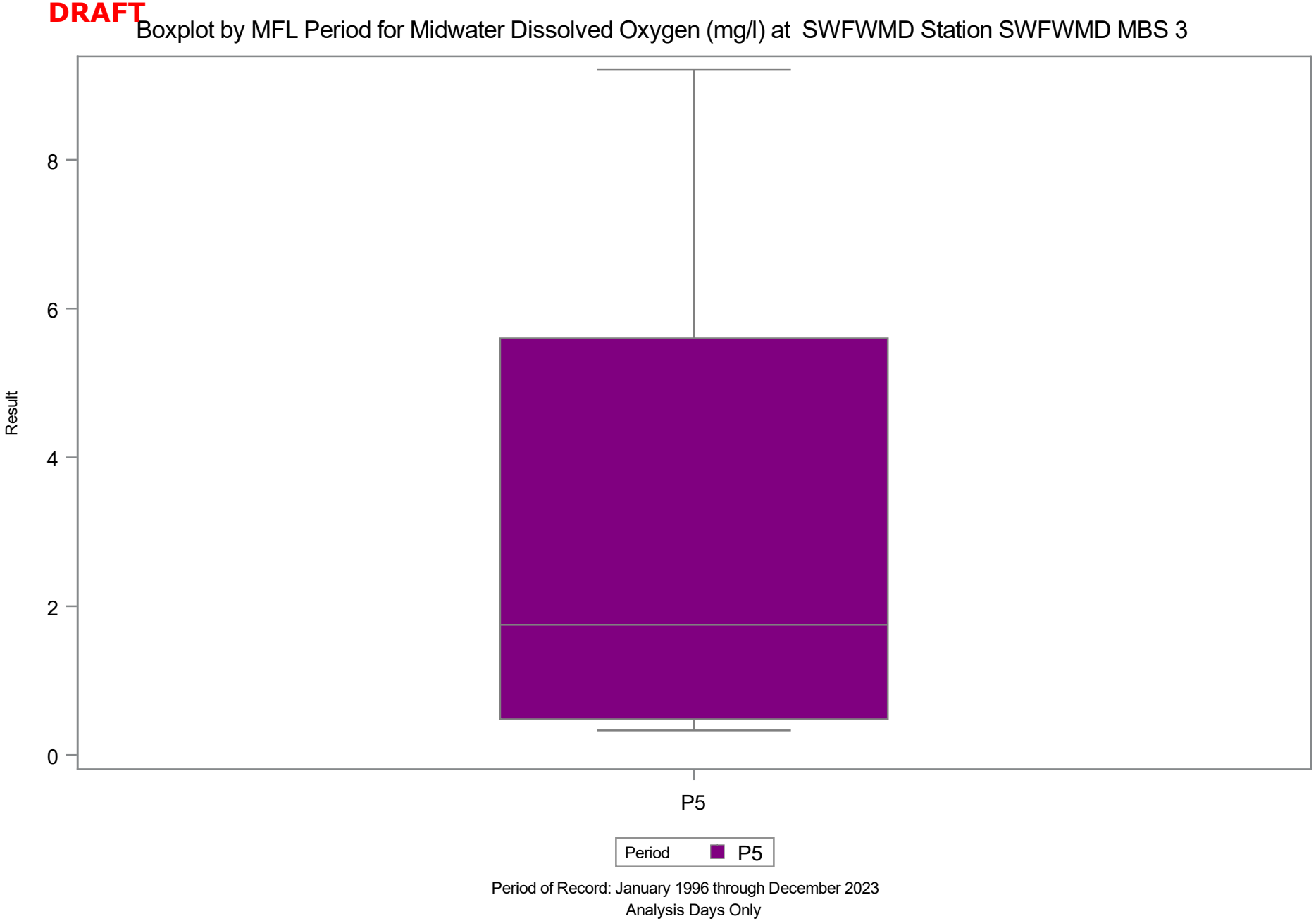
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3

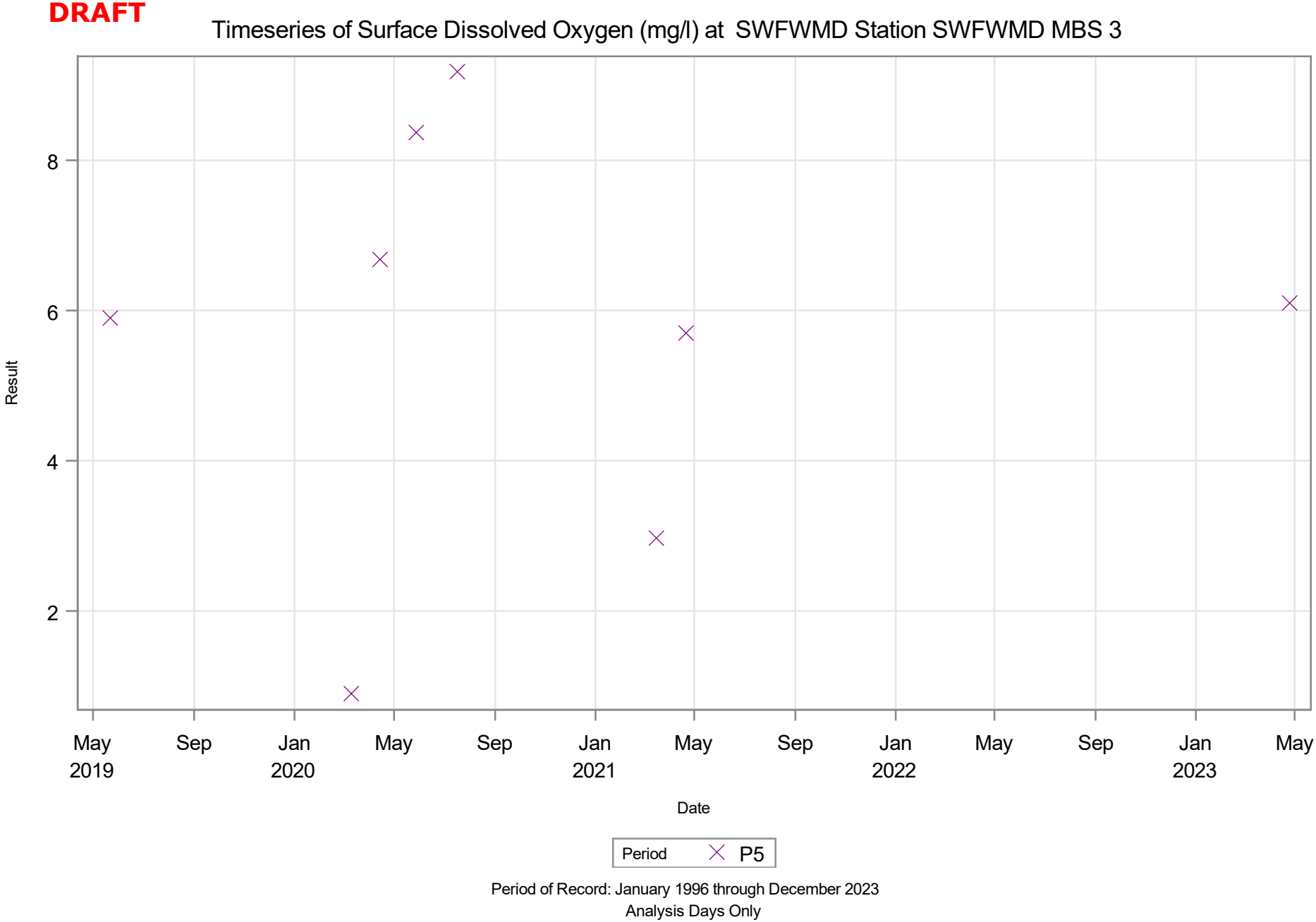
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	106	0.33	0.48	2.75	1.75	5.60	9.21

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

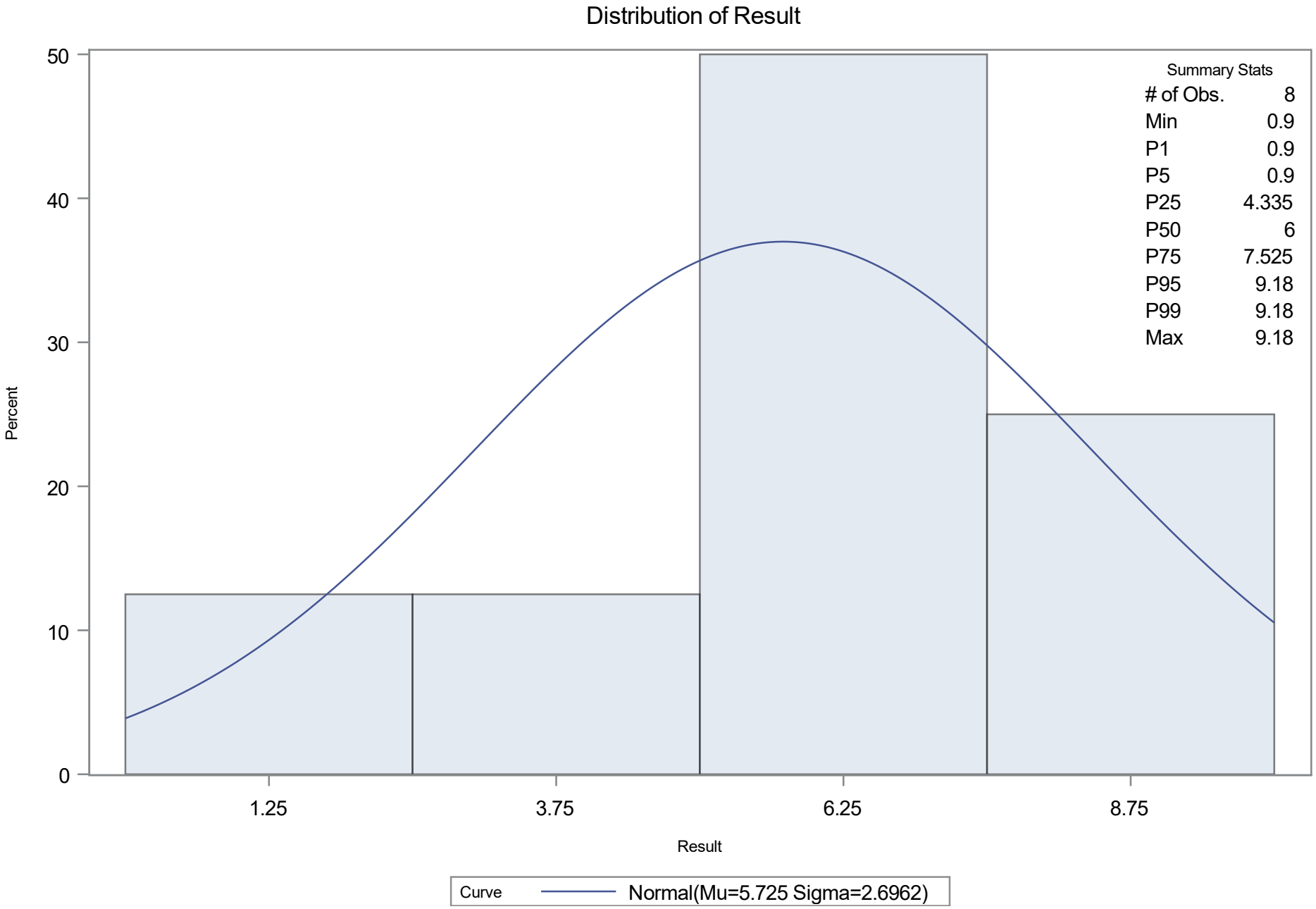

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
8
6
4
2
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
8
6
4
2
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.725
Std Dev	Sigma	2.69623

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24630098	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05828805	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31782334	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.90000	-0.54737
5.0	0.90000	1.29010
10.0	0.90000	2.26964
25.0	4.33500	3.90642
50.0	6.00000	5.72500
75.0	7.52500	7.54358
90.0	9.18000	9.18036
95.0	9.18000	10.15990
99.0	9.18000	11.99737

Period of Record: January 1996 through December 2023
Analysis Days Only

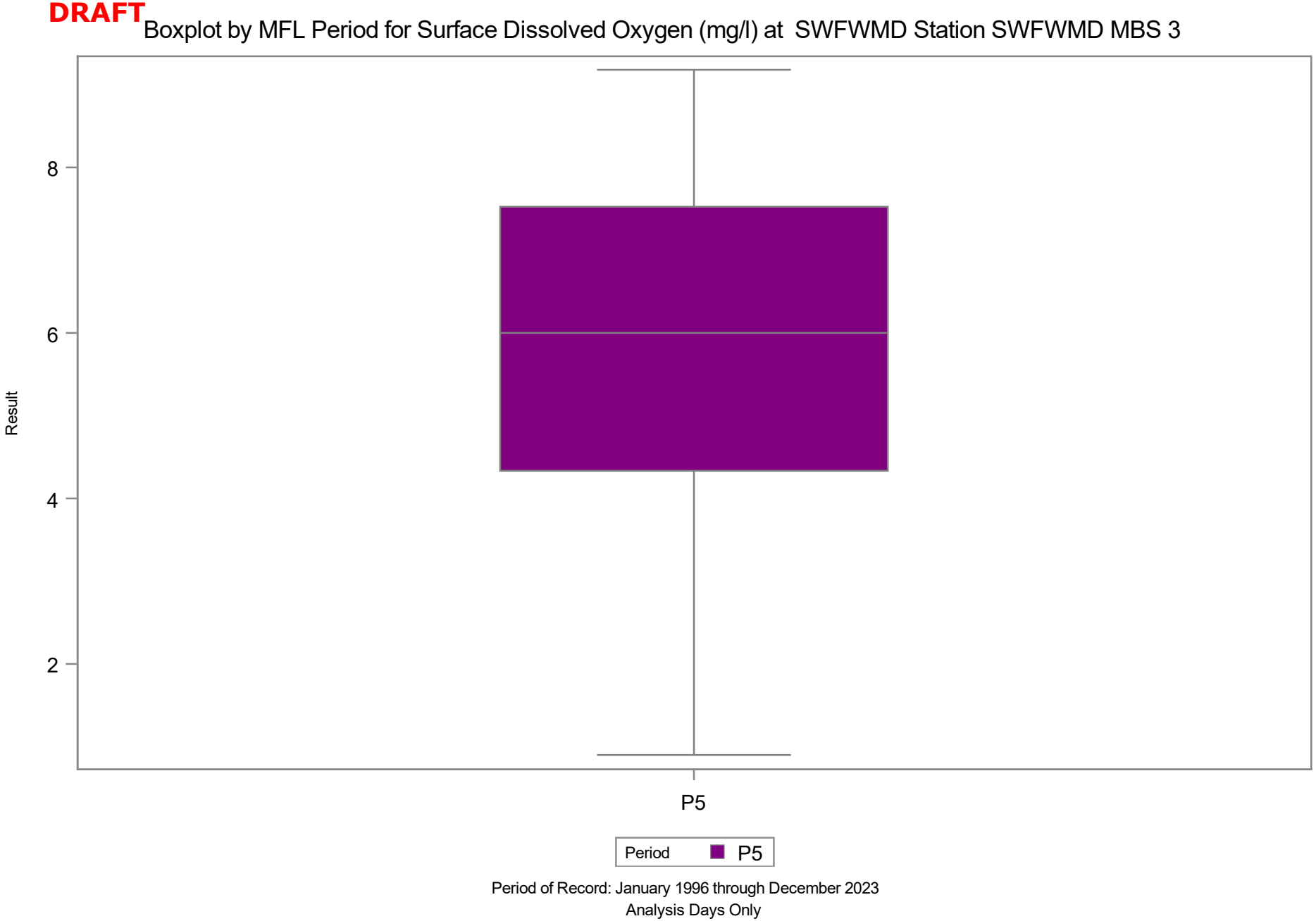
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3

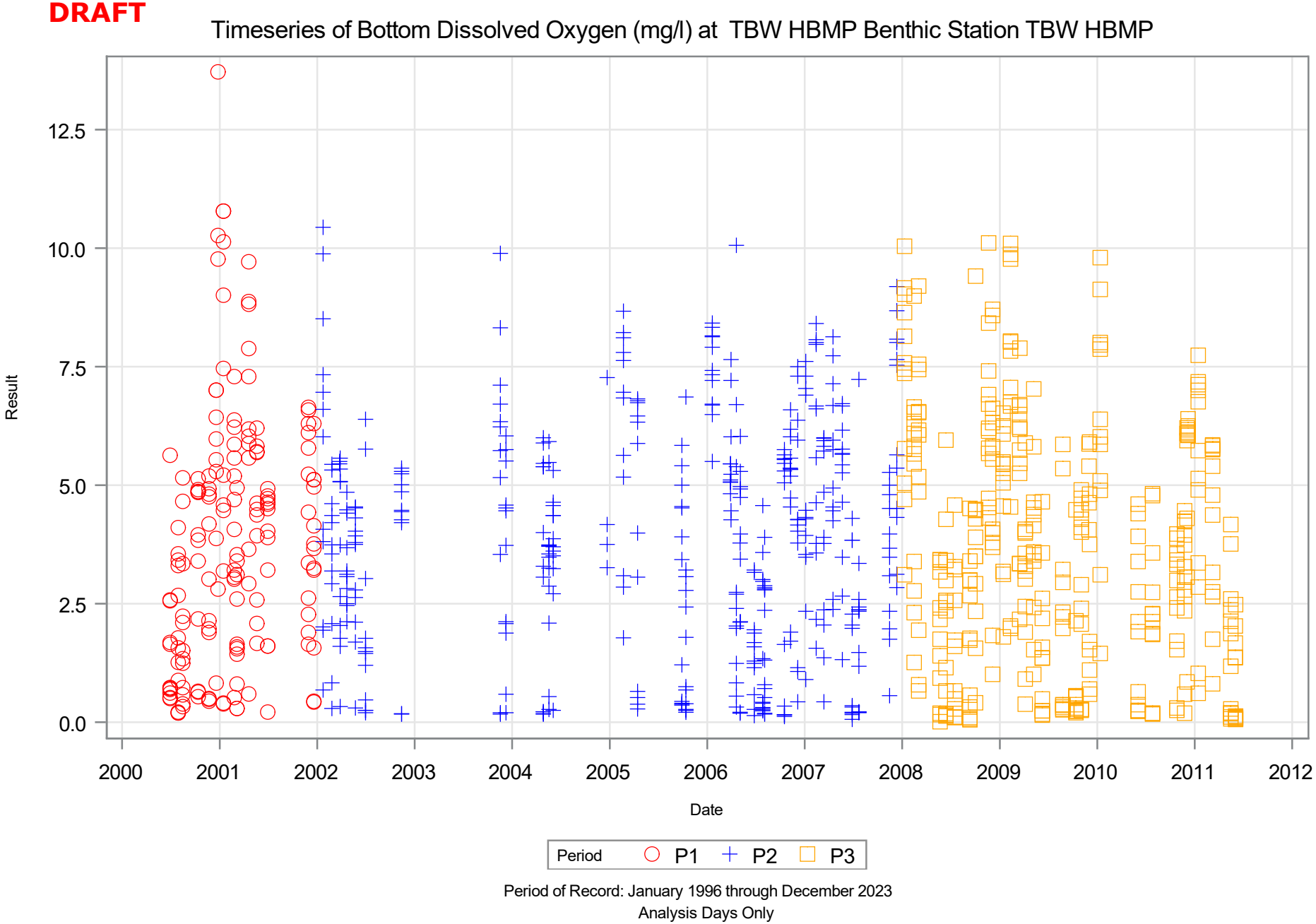
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	0.90	4.34	5.73	6.00	7.53	9.18

Period of Record: January 1996 through December 2023
Analysis Days Only

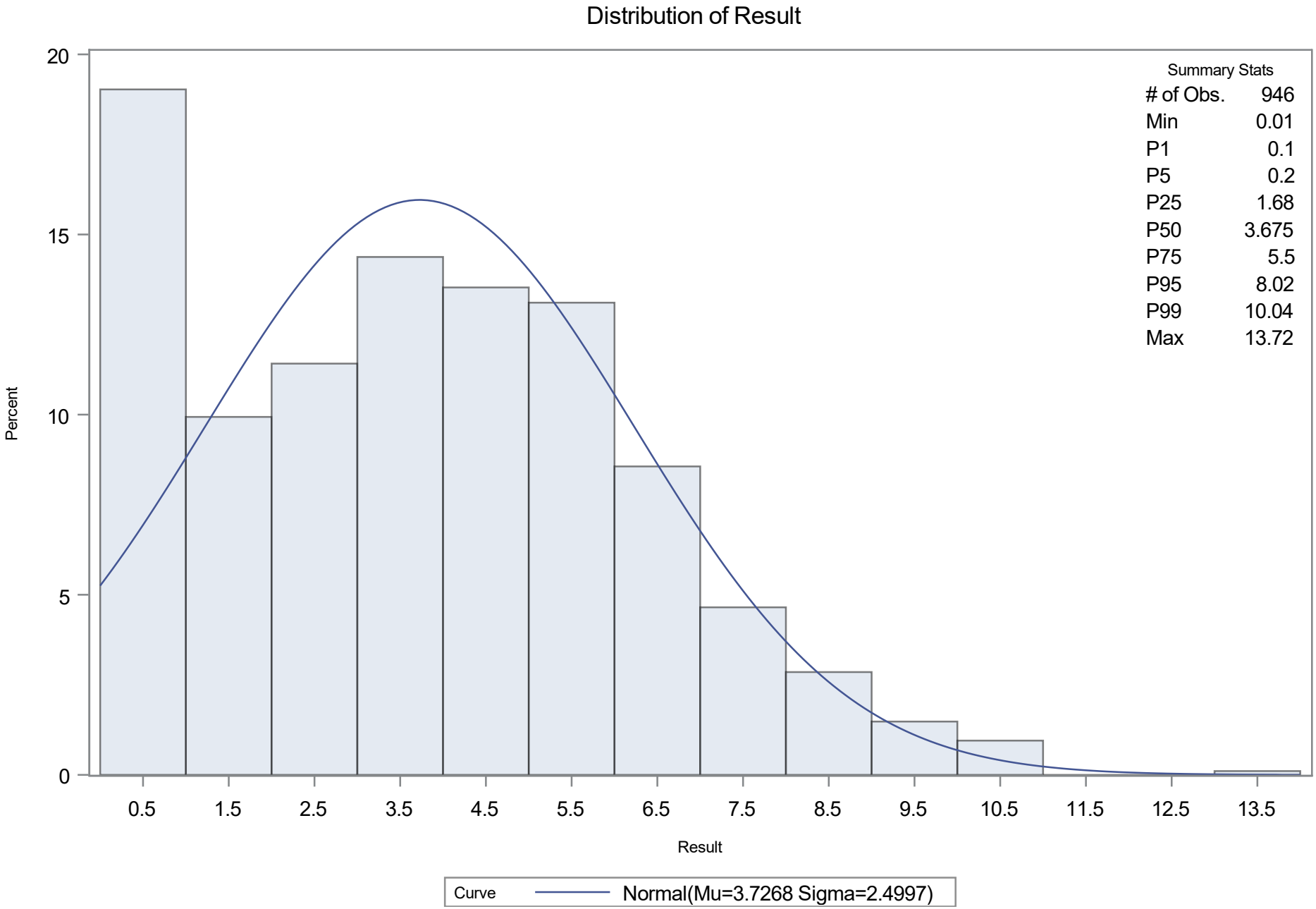
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP
Result
12.5
10.0
7.5
5.0
2.5
0.0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.726776
Std Dev	Sigma	2.499672

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06960158	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.71459968	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.72798528	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-2.08833
5.0	0.20000	-0.38482
10.0	0.32000	0.52332
25.0	1.68000	2.04077
50.0	3.67500	3.72678
75.0	5.50000	5.41278
90.0	7.00000	6.93024
95.0	8.02000	7.83837
99.0	10.04000	9.54188

Period of Record: January 1996 through December 2023
Analysis Days Only

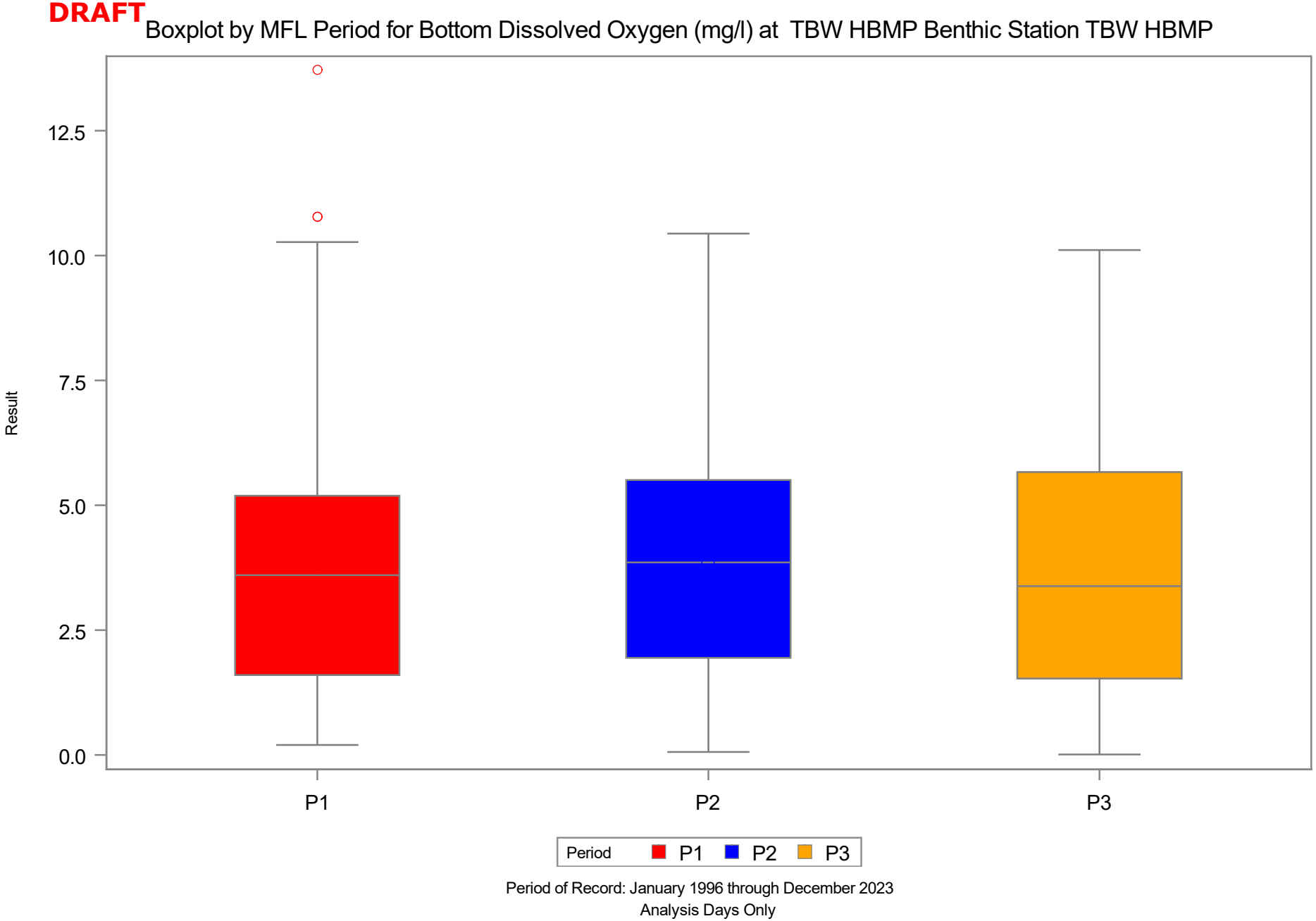
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP

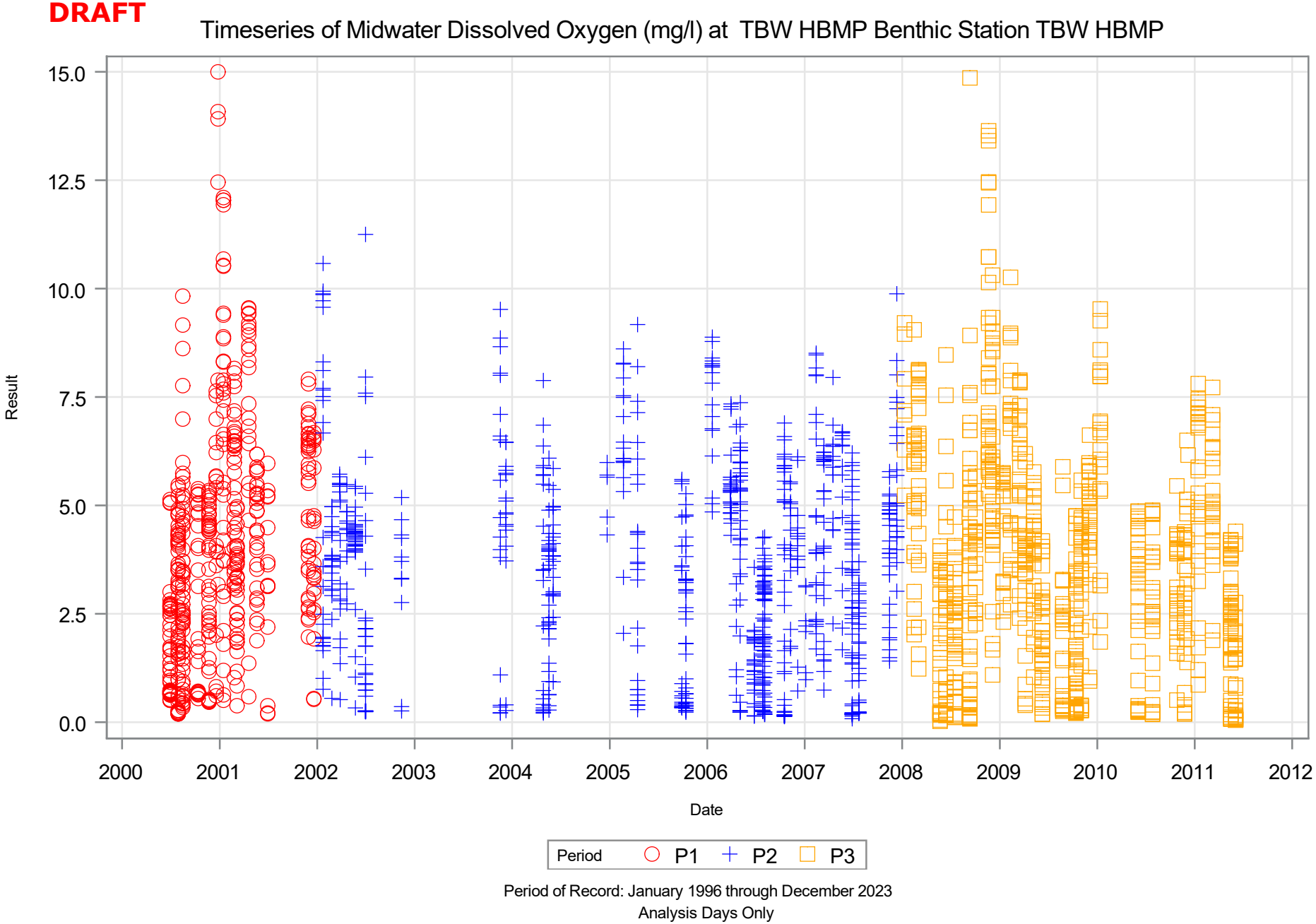
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	0.20	1.60	3.75	3.60	5.19	13.72
P2	420	0.06	1.95	3.84	3.86	5.51	10.44
P3	360	0.01	1.53	3.59	3.38	5.67	10.11

Period of Record: January 1996 through December 2023
Analysis Days Only

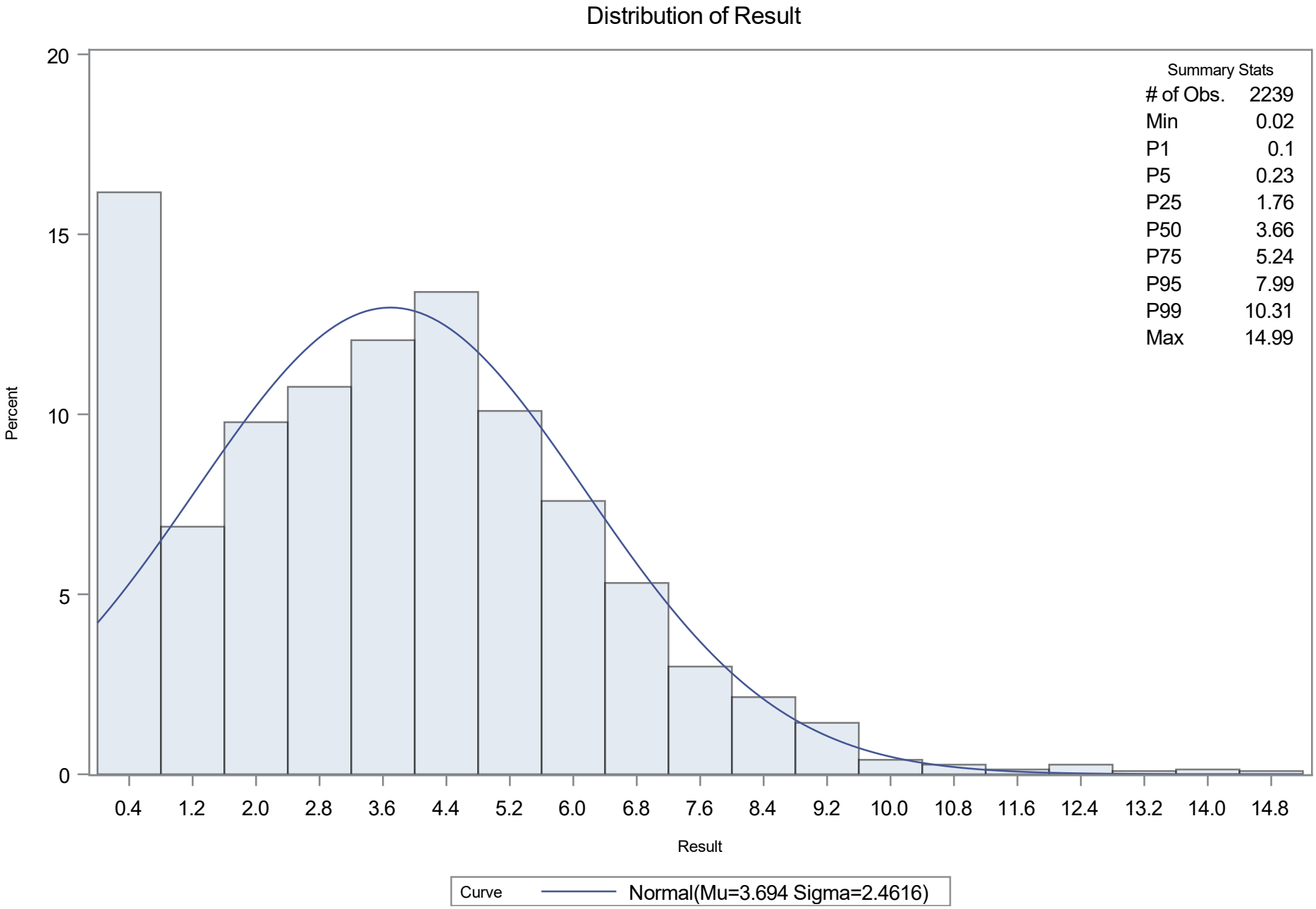
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP
Result
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP
Result
15.0
12.5
10.0
7.5
5.0
2.5
0.0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.694033
Std Dev	Sigma	2.461639

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0689462	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.2160129	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	12.7639632	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-2.03260
5.0	0.23000	-0.35500
10.0	0.39000	0.53932
25.0	1.76000	2.03368
50.0	3.66000	3.69403
75.0	5.24000	5.35438
90.0	6.82000	6.84875
95.0	7.99000	7.74307
99.0	10.31000	9.42066

Period of Record: January 1996 through December 2023
Analysis Days Only

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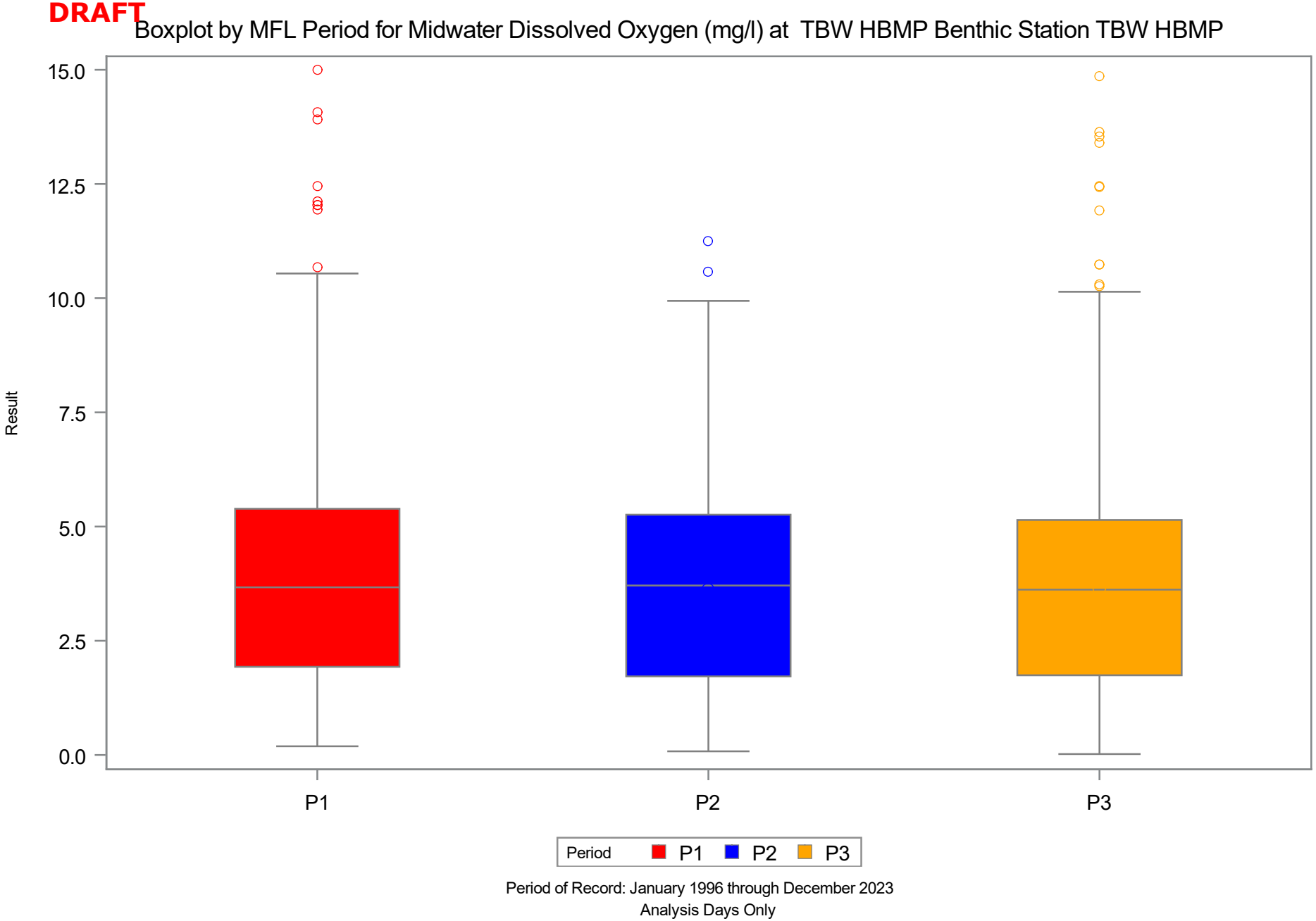
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP

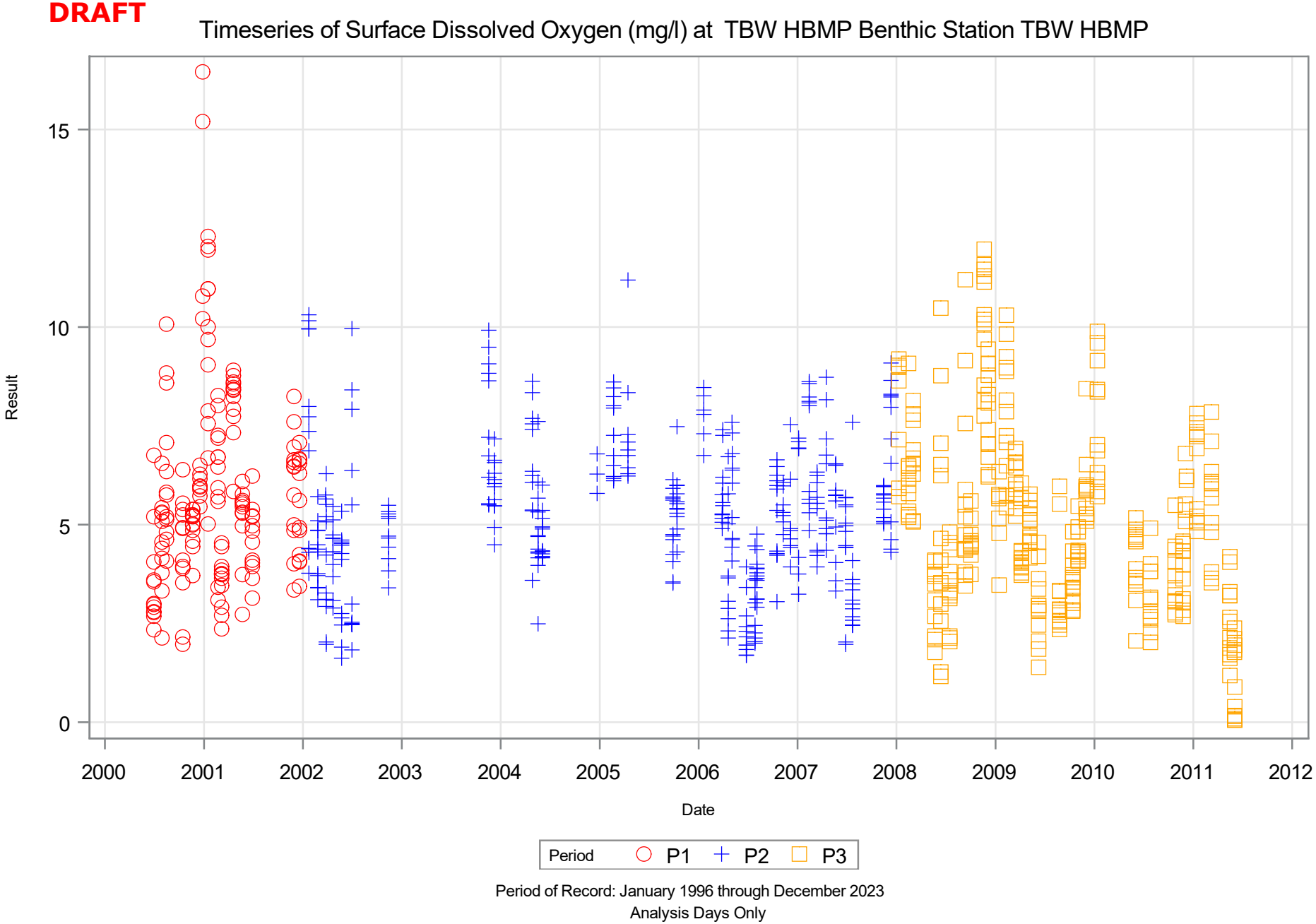
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	502	0.19	1.93	3.92	3.67	5.39	14.99
P2	857	0.08	1.72	3.61	3.71	5.26	11.25
P3	880	0.02	1.75	3.65	3.62	5.15	14.86

Period of Record: January 1996 through December 2023
Analysis Days Only

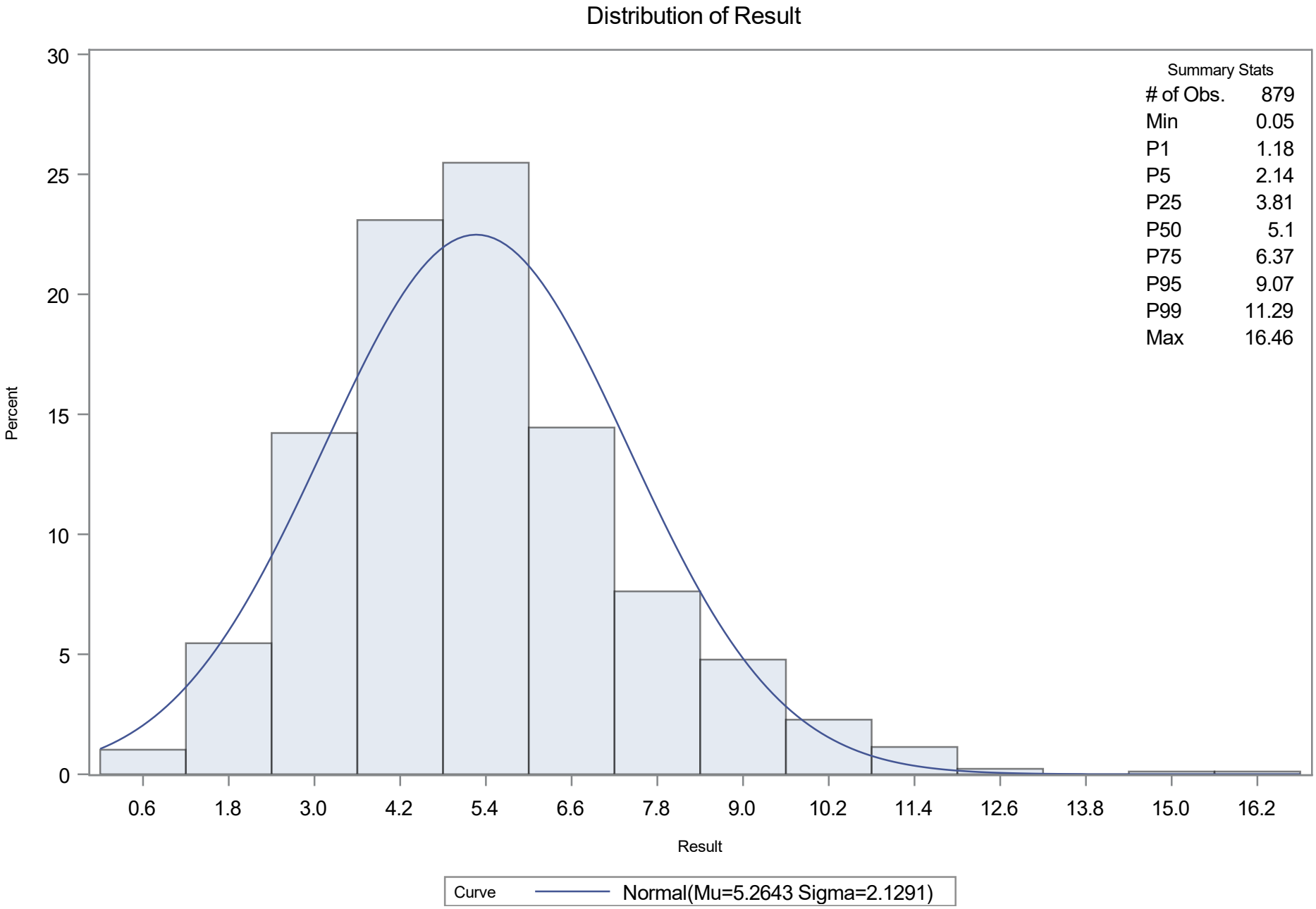
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP
Result
15.0
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP
Result
15
10
5
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.264266
Std Dev	Sigma	2.129079

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06345955	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.86274846	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.27583883	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.18000	0.31129
5.0	2.14000	1.76224
10.0	2.72000	2.53574
25.0	3.81000	3.82822
50.0	5.10000	5.26427
75.0	6.37000	6.70031
90.0	8.23000	7.99279
95.0	9.07000	8.76629
99.0	11.29000	10.21725

Period of Record: January 1996 through December 2023
Analysis Days Only

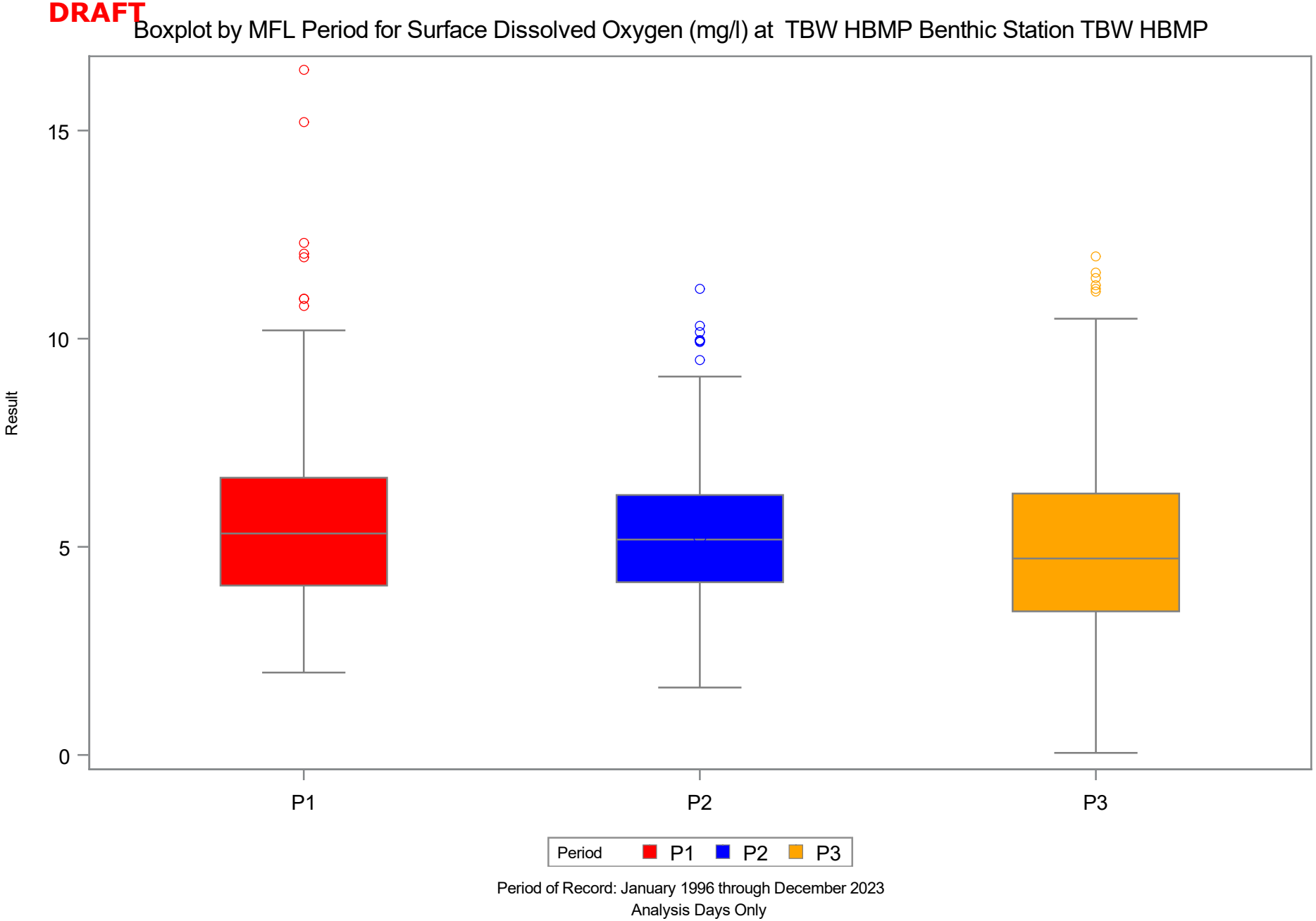
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP

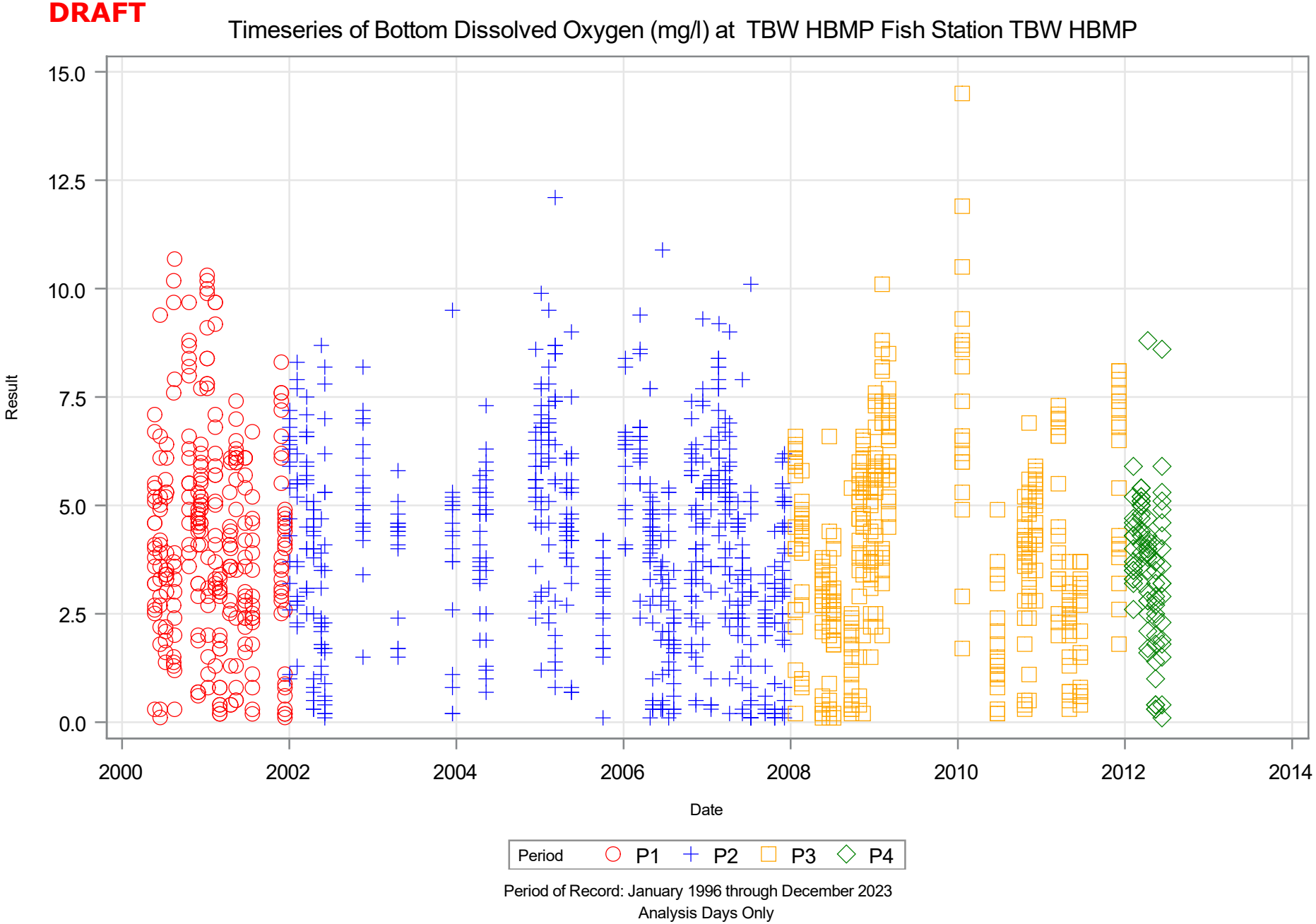
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	1.98	4.07	5.77	5.32	6.66	16.46
P2	384	1.62	4.15	5.24	5.18	6.25	11.19
P3	329	0.05	3.45	5.03	4.72	6.28	11.97

Period of Record: January 1996 through December 2023
Analysis Days Only

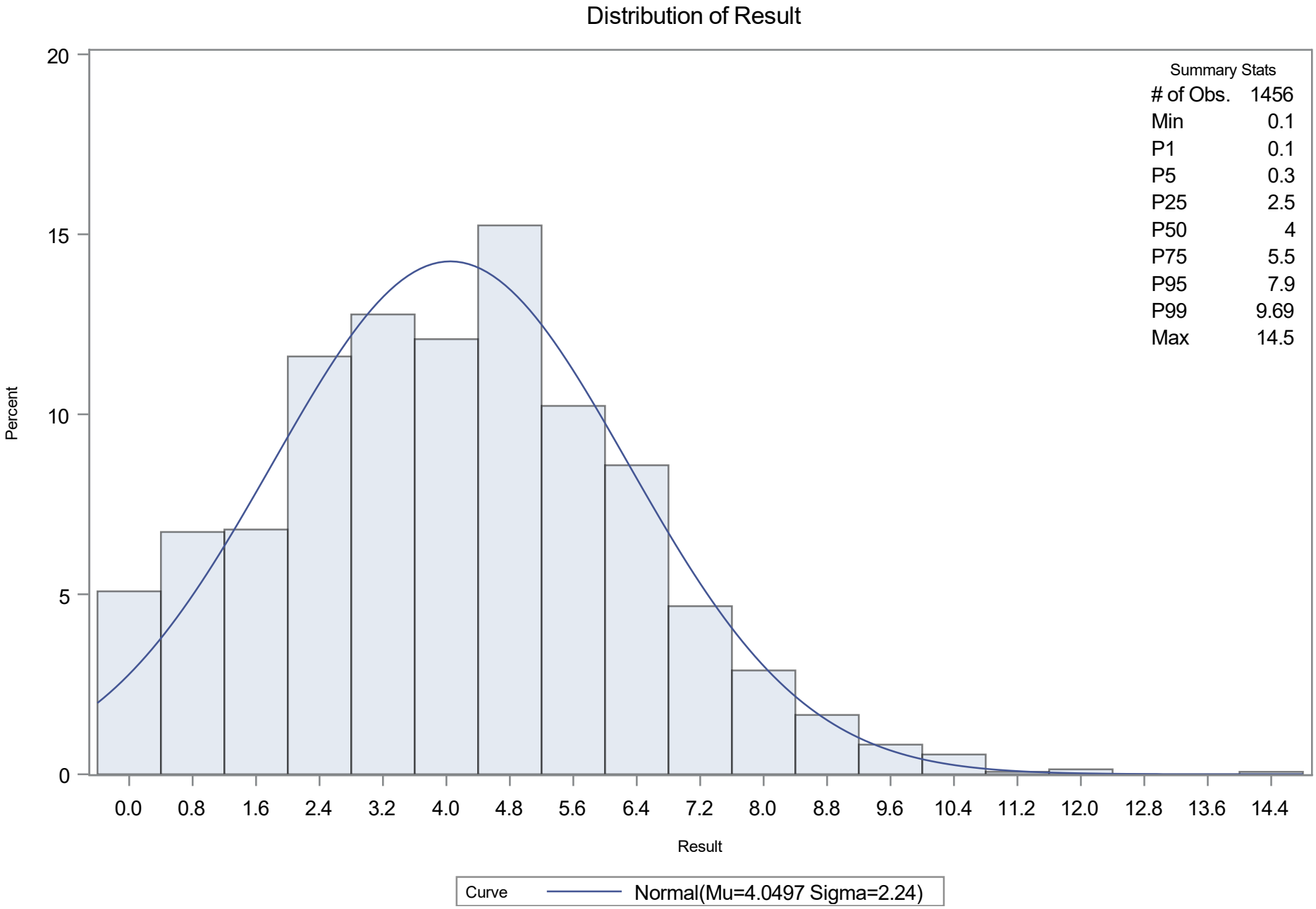
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Benthic Station TBW HBMP
Result
15
10
5
0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP
Result
15.0
12.5
10.0
7.5
5.0
2.5
0.0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.049739
Std Dev	Sigma	2.239972

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03892508	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.17657824	**Pr > W-Sq**	0.011
Anderson-Darling	**A-Sq**	2.51347436	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.16121
5.0	0.30000	0.36531
10.0	0.89000	1.17910
25.0	2.50000	2.53890
50.0	4.00000	4.04974
75.0	5.50000	5.56058
90.0	6.90000	6.92038
95.0	7.90000	7.73416
99.0	9.69000	9.26069

Period of Record: January 1996 through December 2023
Analysis Days Only

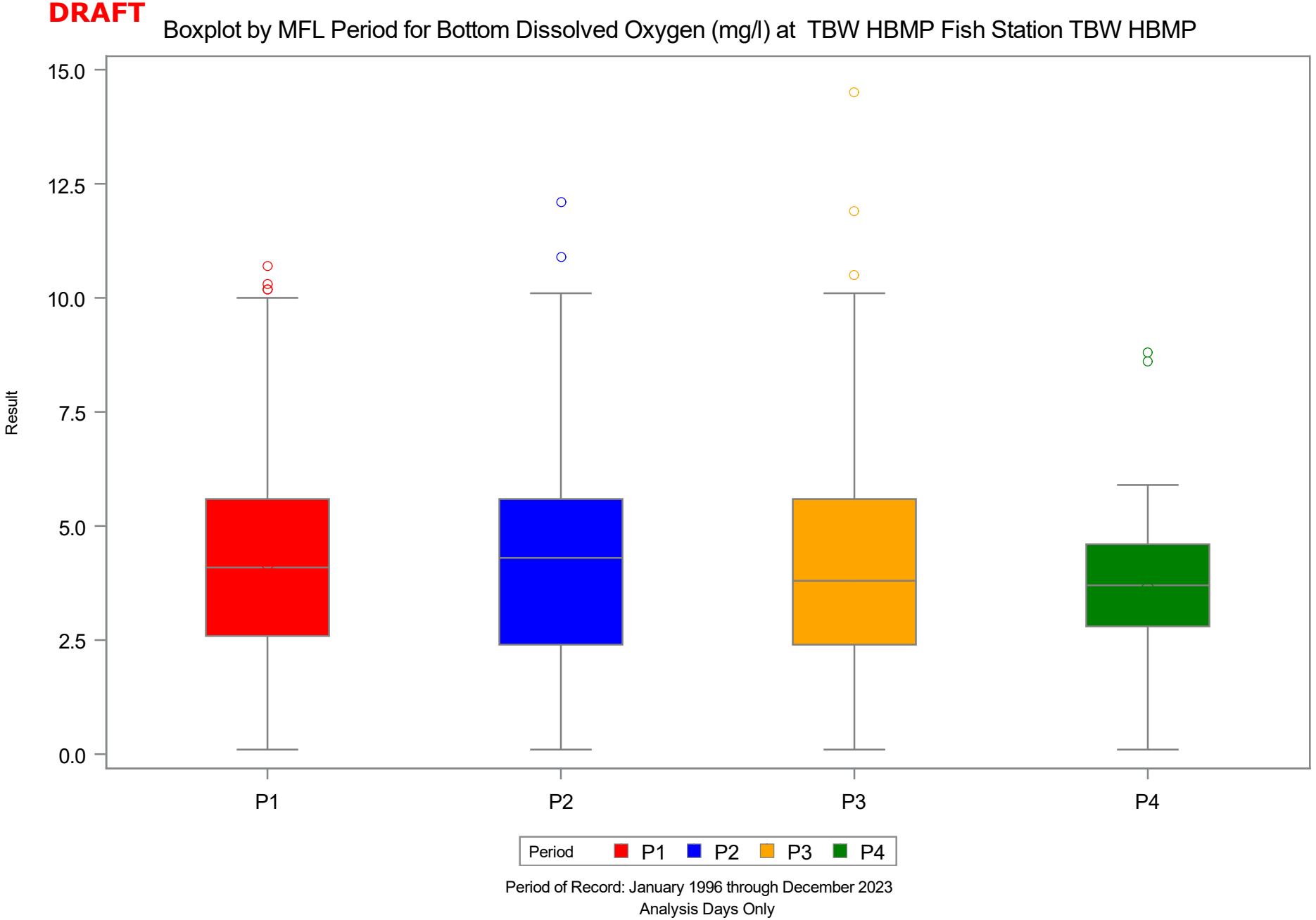
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP

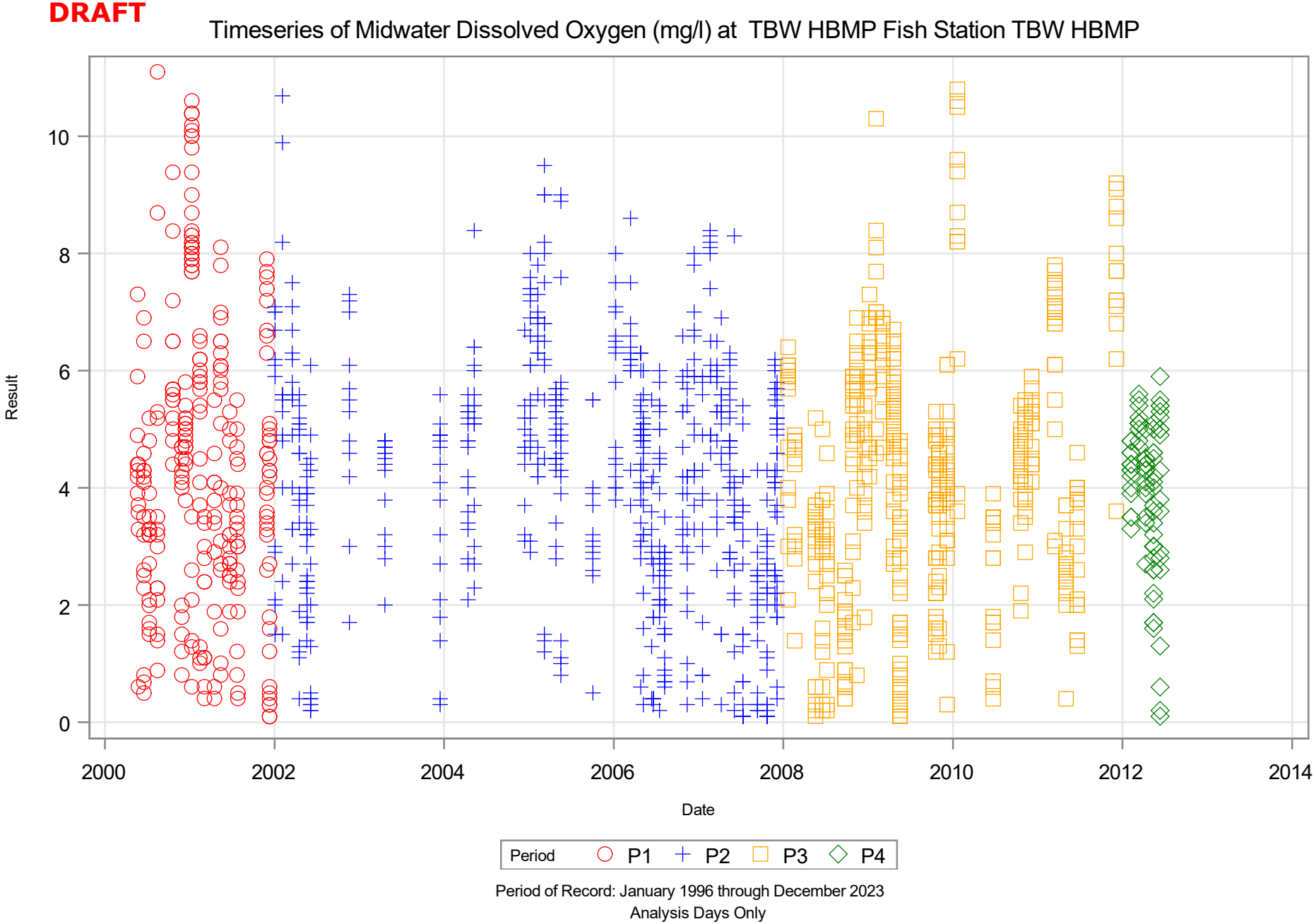
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	286	0.10	2.59	4.18	4.09	5.59	10.69
P2	702	0.10	2.40	4.09	4.30	5.59	12.10
P3	378	0.10	2.40	3.98	3.80	5.59	14.50
P4	90	0.10	2.80	3.61	3.70	4.60	8.80

Period of Record: January 1996 through December 2023
Analysis Days Only

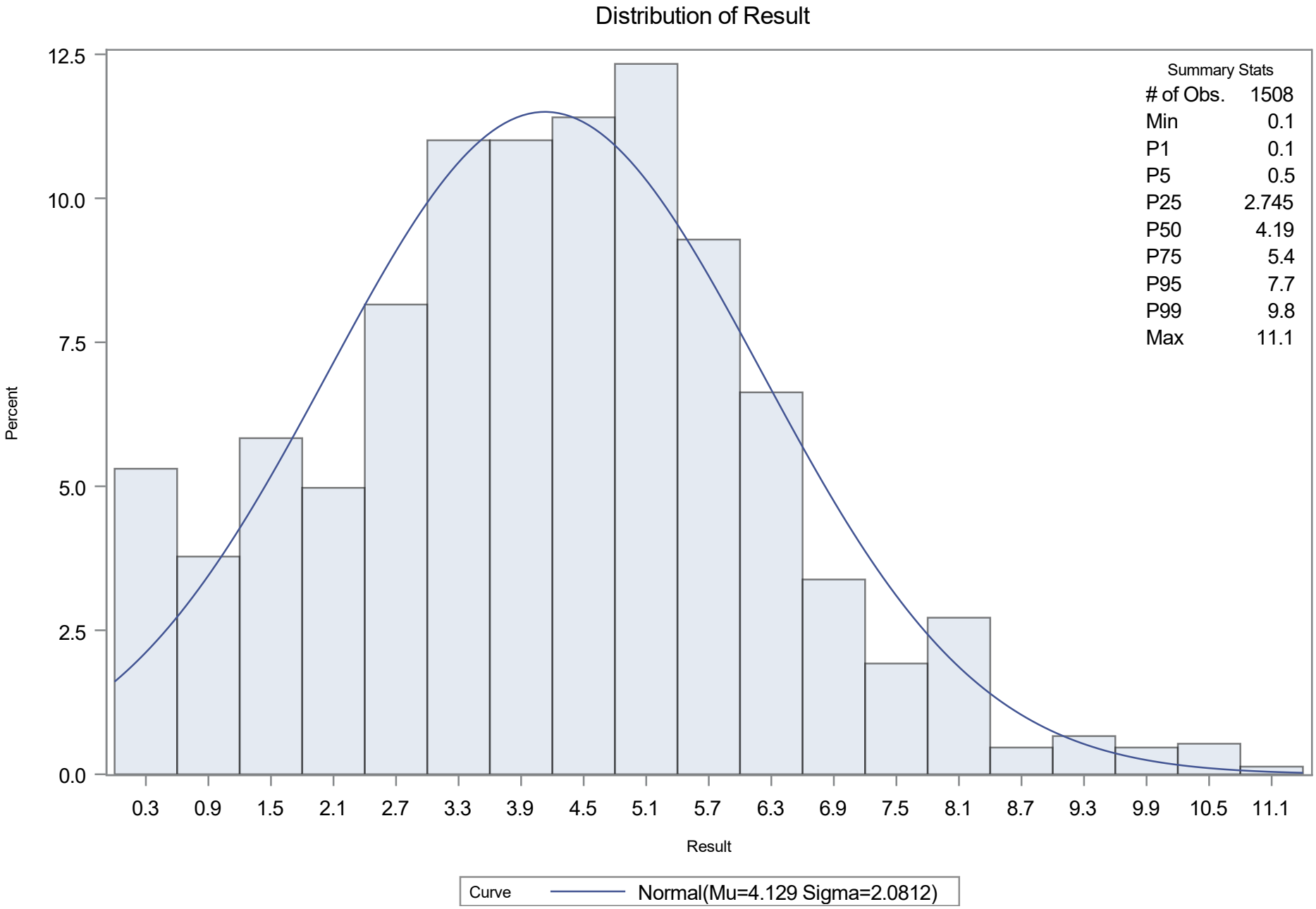
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP
Result
15.0
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP
Result
0
2
4
6
8
10
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.129012
Std Dev	Sigma	2.081233

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03155708	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27944250	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.62317181	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-0.71266
5.0	0.50000	0.70569
10.0	1.29000	1.46180
25.0	2.74500	2.72524
50.0	4.19000	4.12901
75.0	5.40000	5.53278
90.0	6.69000	6.79622
95.0	7.70000	7.55234
99.0	9.80000	8.97068

Period of Record: January 1996 through December 2023
Analysis Days Only

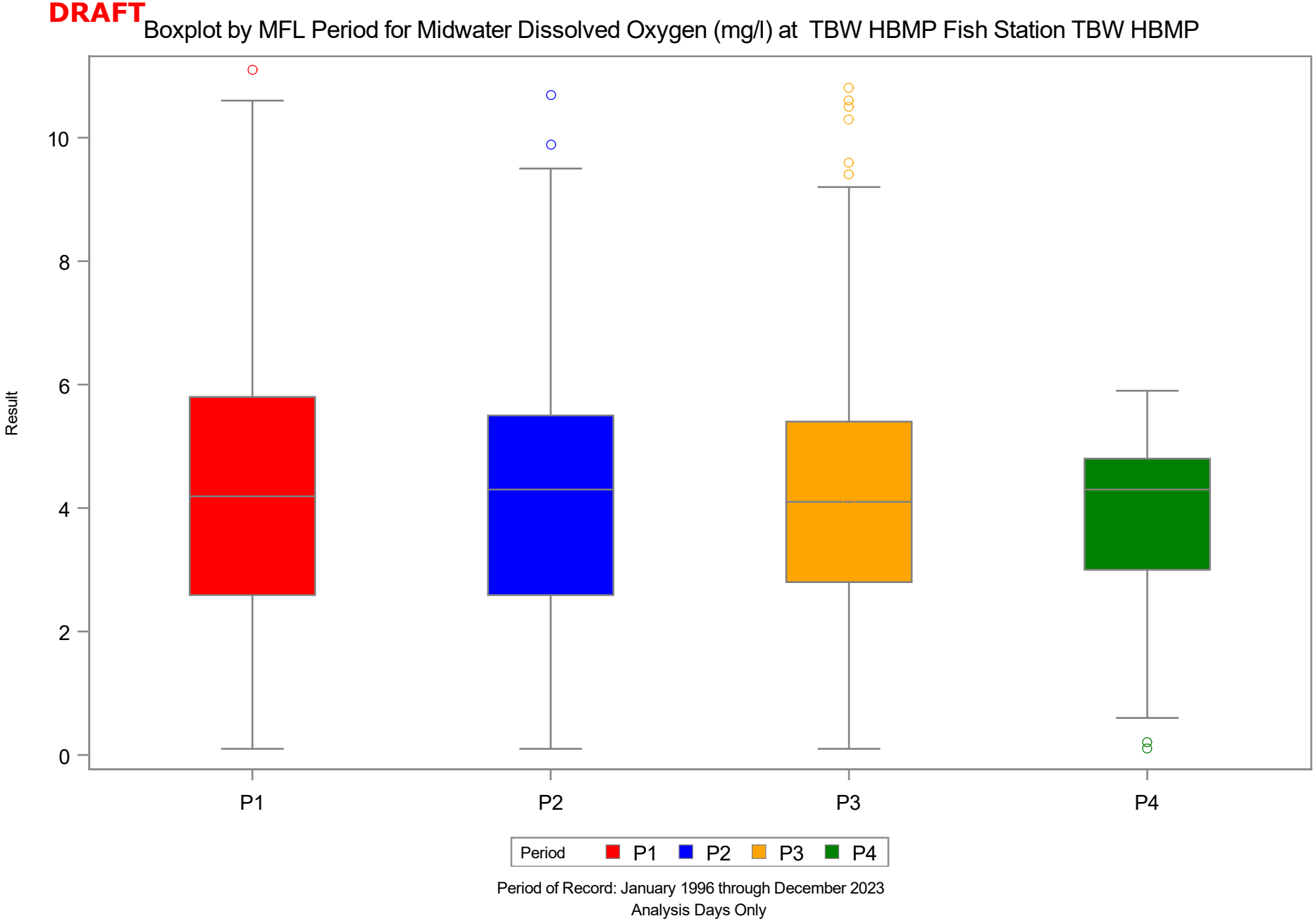
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP

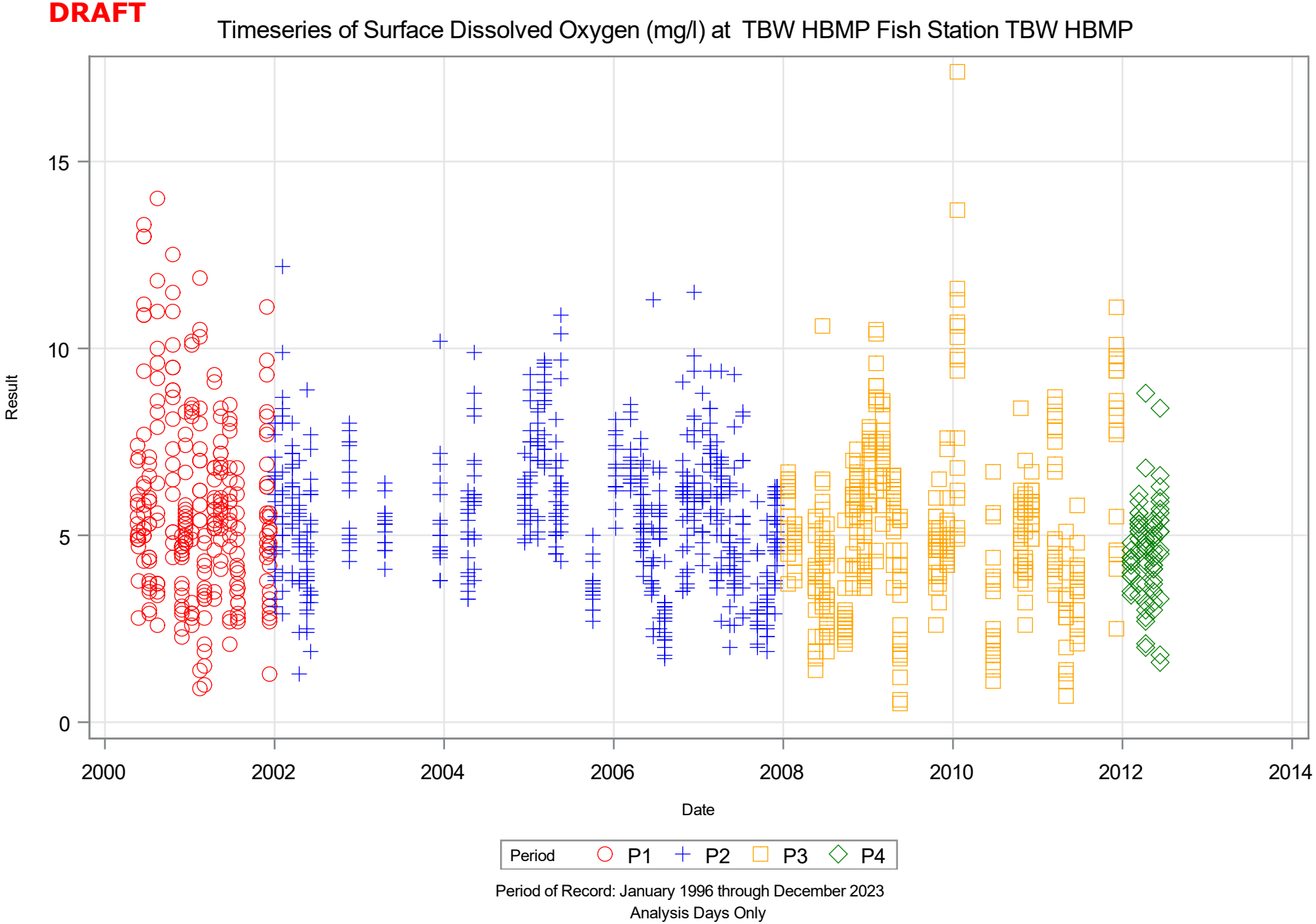
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	269	0.10	2.59	4.37	4.19	5.80	11.10
P2	656	0.10	2.59	4.06	4.30	5.50	10.69
P3	498	0.10	2.80	4.13	4.10	5.40	10.80
P4	85	0.10	3.00	3.90	4.30	4.80	5.90

Period of Record: January 1996 through December 2023
Analysis Days Only

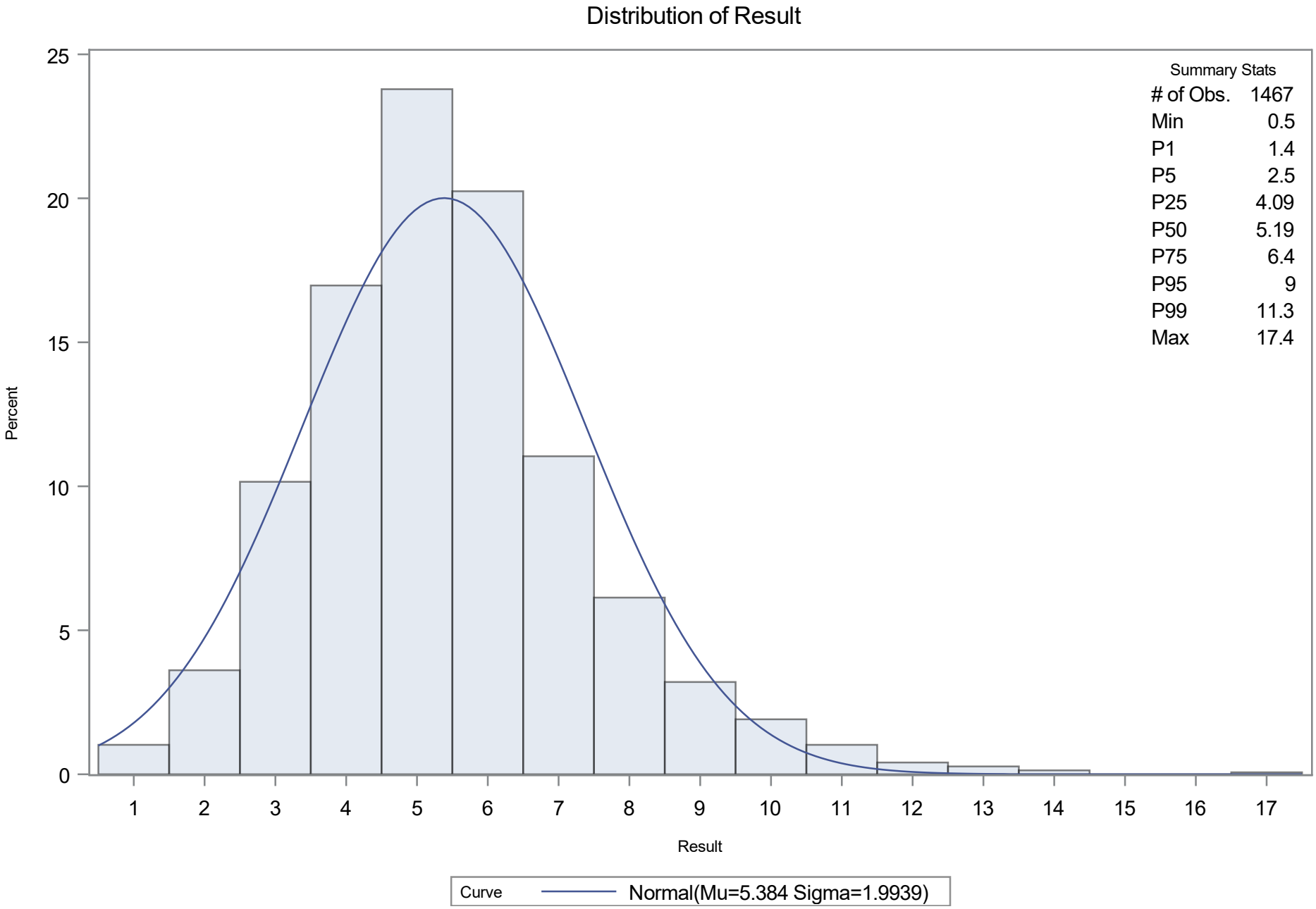
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP
Result
0
2
4
6
8
10
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP
Result
15
10
5
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.384001
Std Dev	Sigma	1.993883

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06319018	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.37708824	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.68119736	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.40000	0.74554
5.0	2.50000	2.10436
10.0	3.00000	2.82874
25.0	4.09000	4.03915
50.0	5.19000	5.38400
75.0	6.40000	6.72885
90.0	8.00000	7.93927
95.0	9.00000	8.66365
99.0	11.30000	10.02247

Period of Record: January 1996 through December 2023
Analysis Days Only

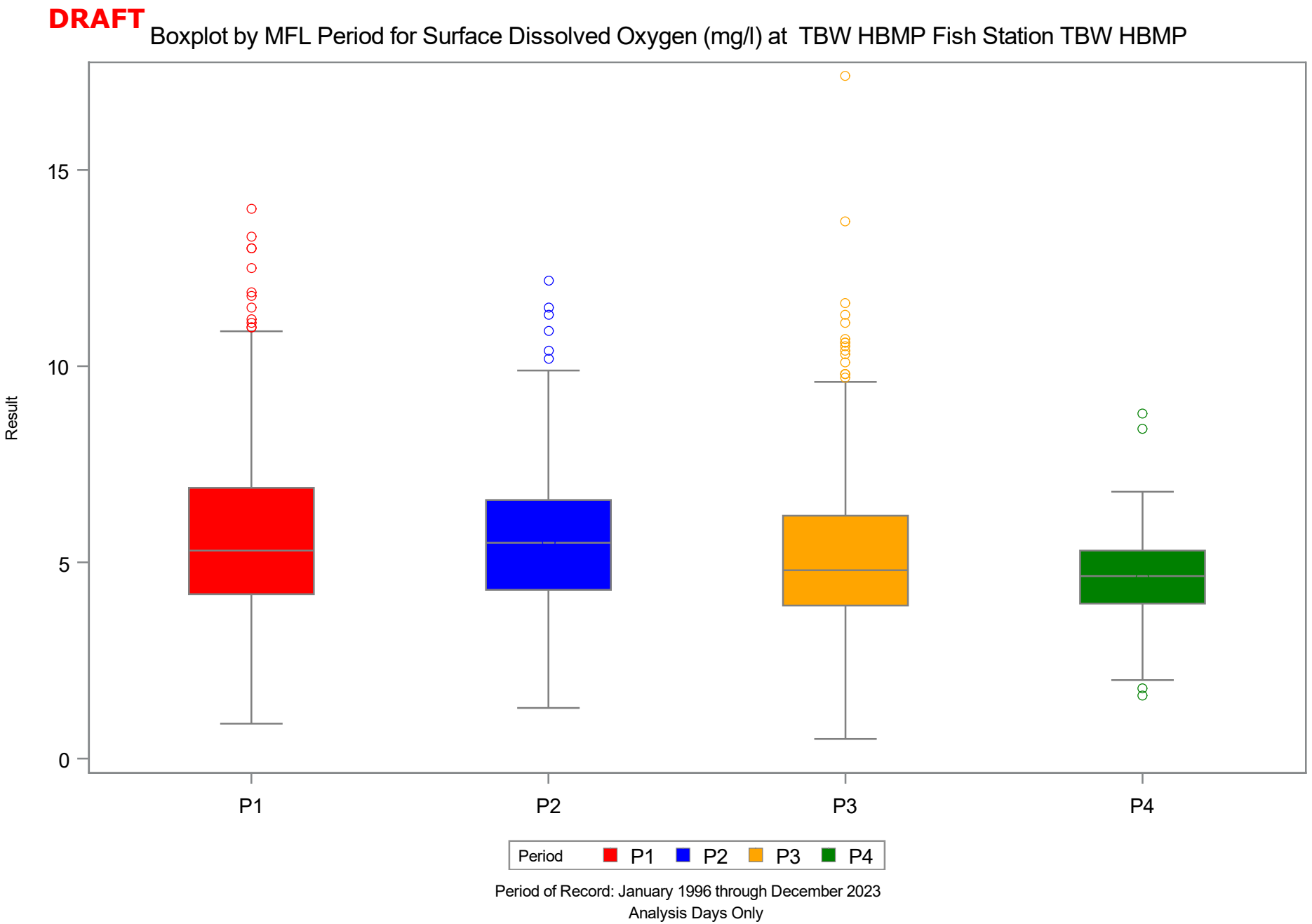
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP

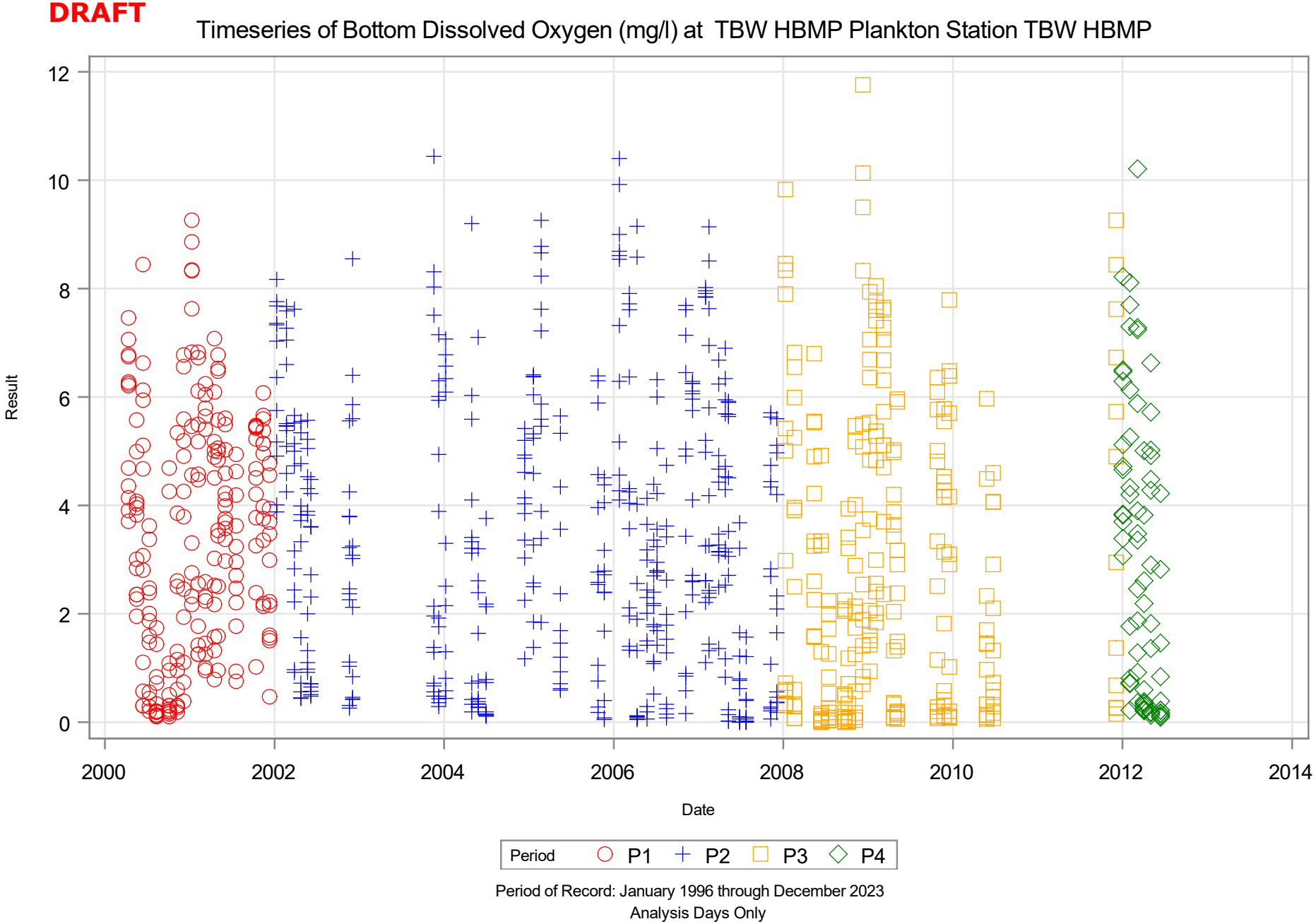
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	273	0.89	4.19	5.76	5.30	6.90	14.00
P2	661	1.29	4.30	5.51	5.50	6.59	12.19
P3	449	0.50	3.90	5.12	4.80	6.19	17.40
P4	84	1.60	3.95	4.61	4.65	5.30	8.80

Period of Record: January 1996 through December 2023
Analysis Days Only

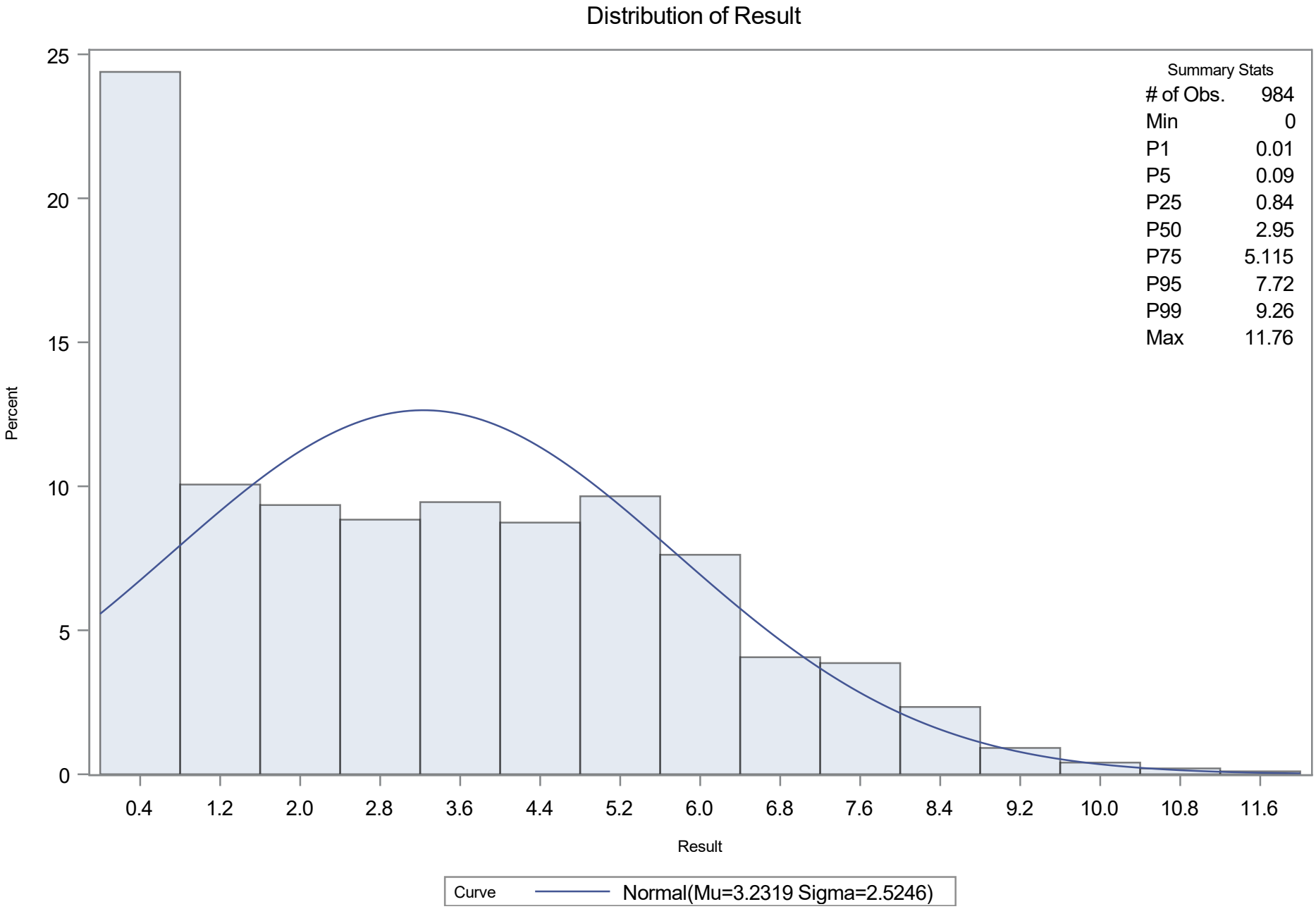
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Fish Station TBW HBMP
Result
15
10
5
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP
Result
12
10
8
6
4
2
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.231901
Std Dev	Sigma	2.524643

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1002476	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.2350359	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.0542738	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-2.64130
5.0	0.09000	-0.92077
10.0	0.18000	-0.00356
25.0	0.84000	1.52906
50.0	2.95000	3.23190
75.0	5.11500	4.93475
90.0	6.73000	6.46736
95.0	7.72000	7.38457
99.0	9.26000	9.10510

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	0.10	1.46	3.40	3.41	5.13	9.26
P2	456	0.00	1.08	3.37	3.13	5.33	10.44
P3	240	0.00	0.30	2.87	2.10	5.00	11.76
P4	72	0.09	0.37	3.06	2.86	4.97	10.21

Period of Record: January 1996 through December 2023
Analysis Days Only

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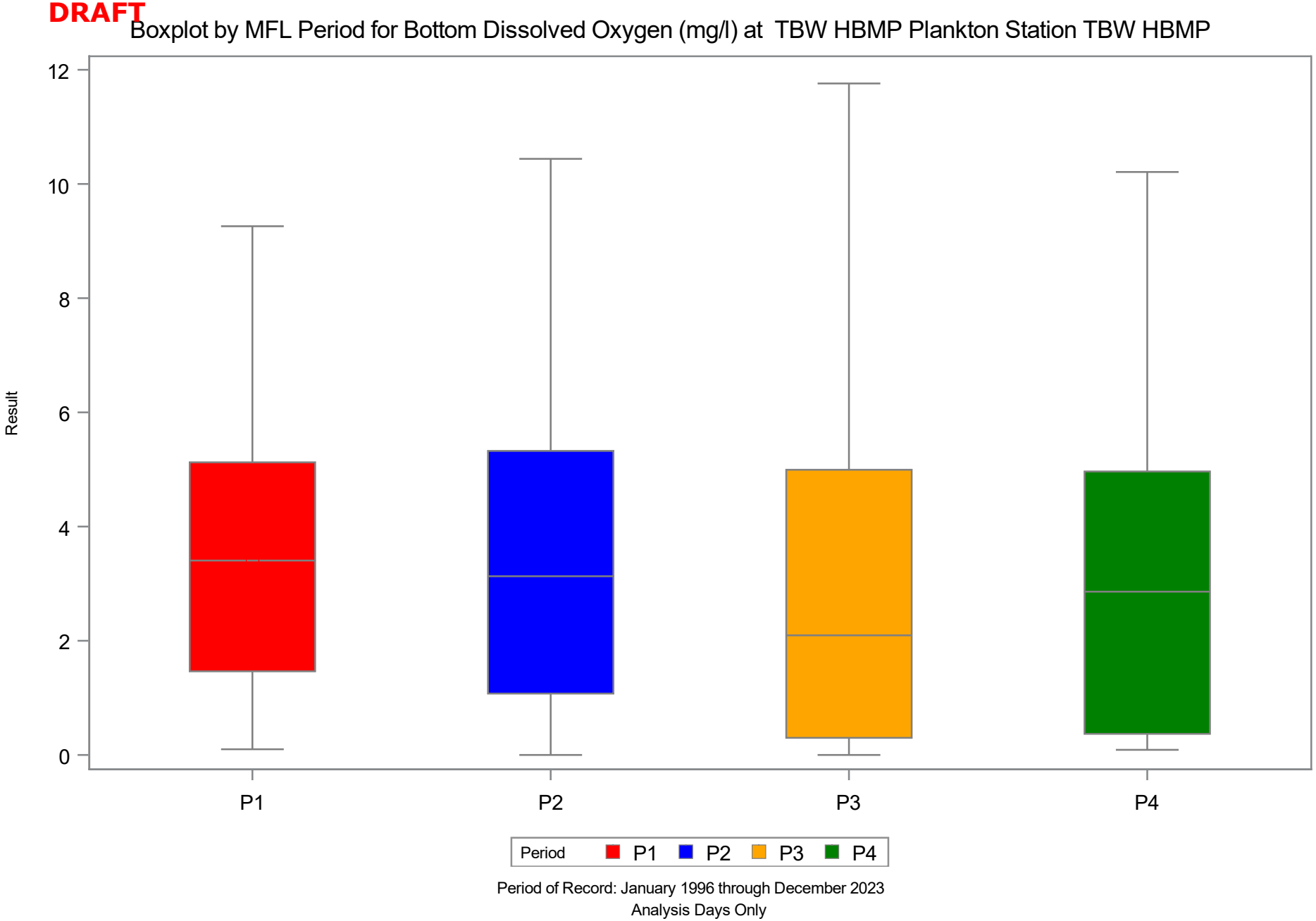
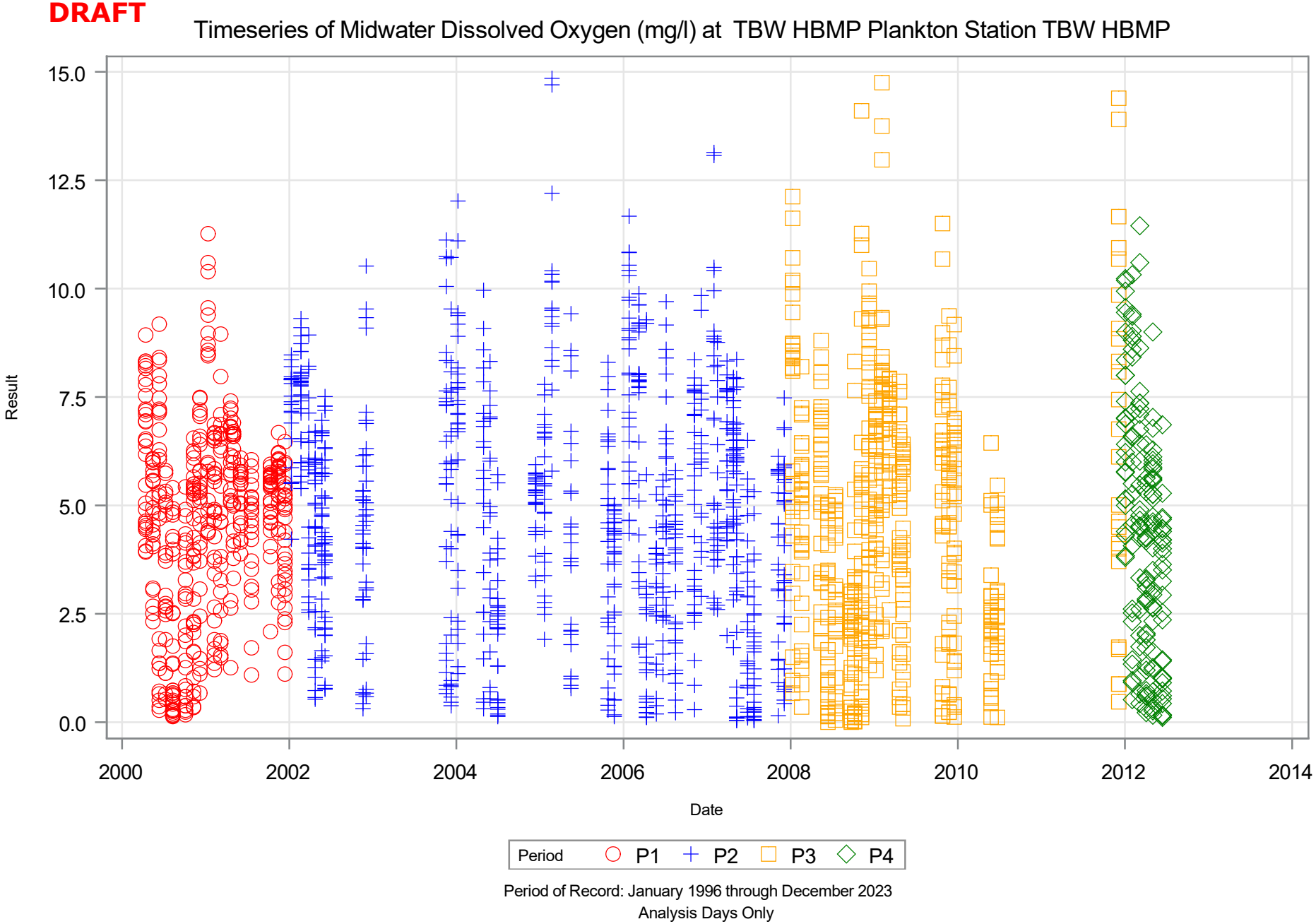
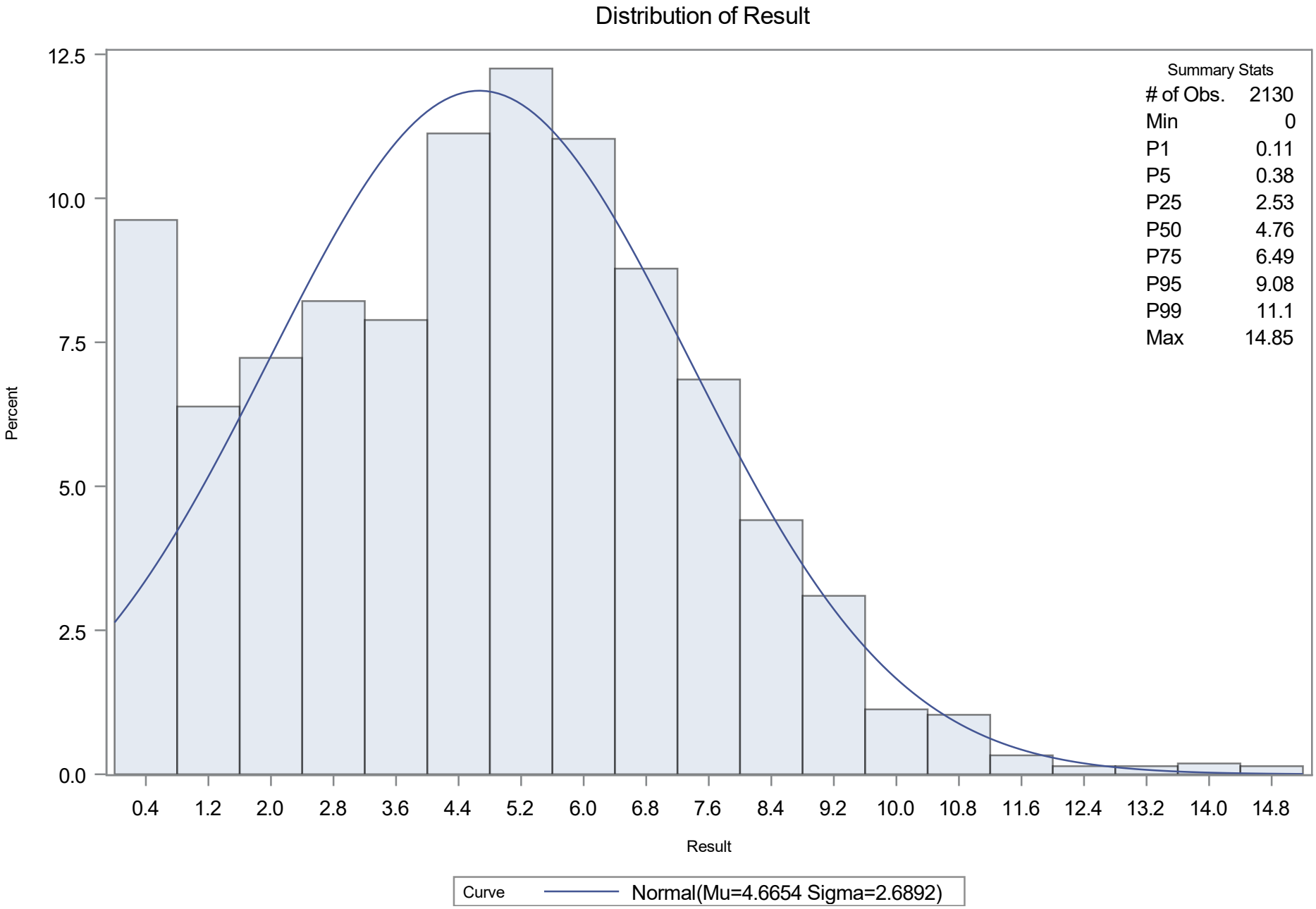

Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP
Result
12
10
8
6
4
2
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP
15.0
12.5
10.0
7.5
5.0
2.5
0.0
Result
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.665427
Std Dev	Sigma	2.689206

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04138177	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.66912263	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.44700978	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	-1.59060
5.0	0.38000	0.24208
10.0	0.84500	1.21907
25.0	2.53000	2.85159
50.0	4.76000	4.66543
75.0	6.49000	6.47927
90.0	8.05000	8.11178
95.0	9.08000	9.08878
99.0	11.10000	10.92146

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	438	0.12	3.02	4.53	4.91	5.92	11.27
P2	949	0.04	2.70	4.85	4.84	6.80	14.85
P3	574	0.00	2.16	4.55	4.54	6.56	14.75
P4	169	0.11	2.00	4.35	4.40	6.12	11.45

Period of Record: January 1996 through December 2023
Analysis Days Only

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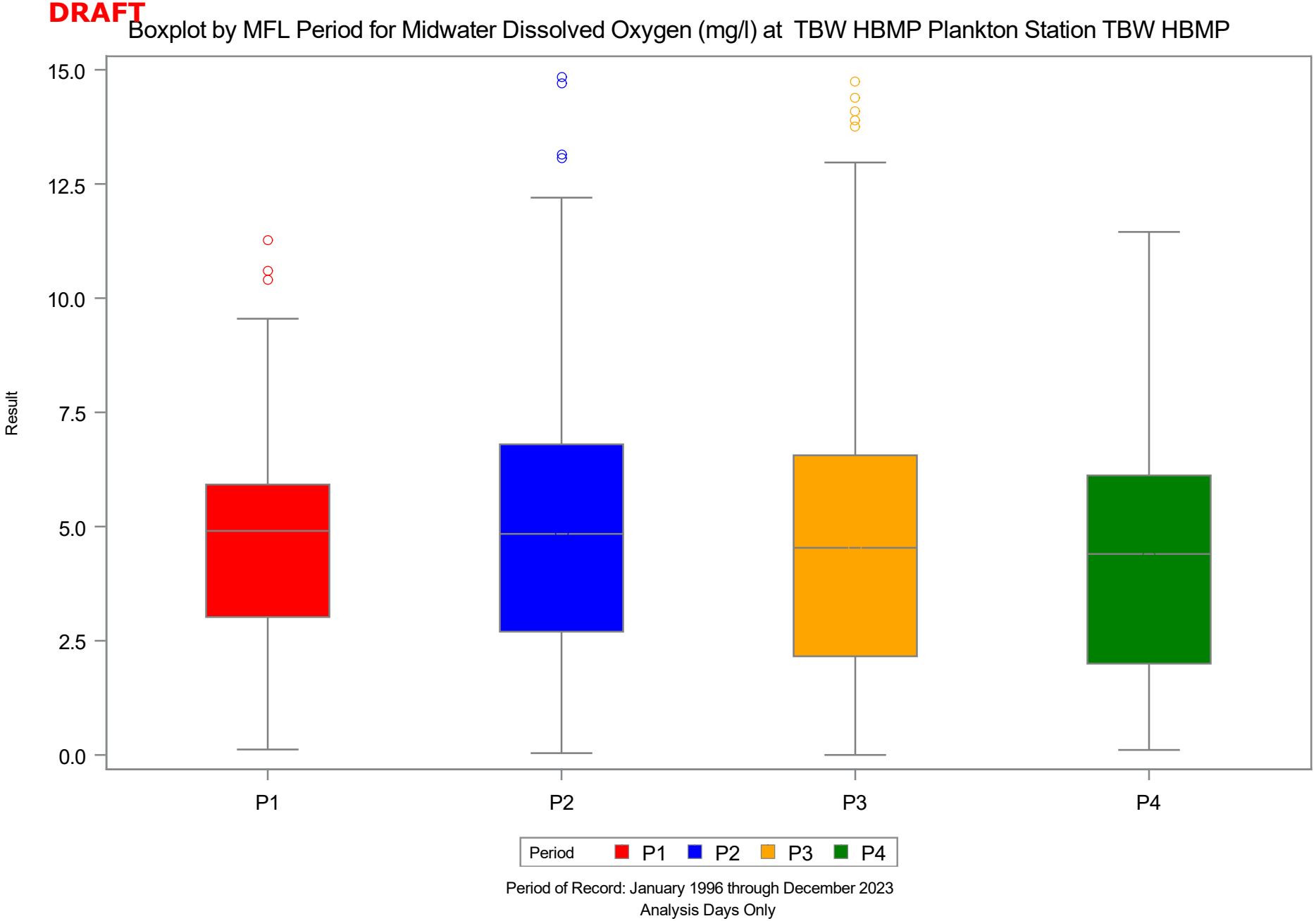
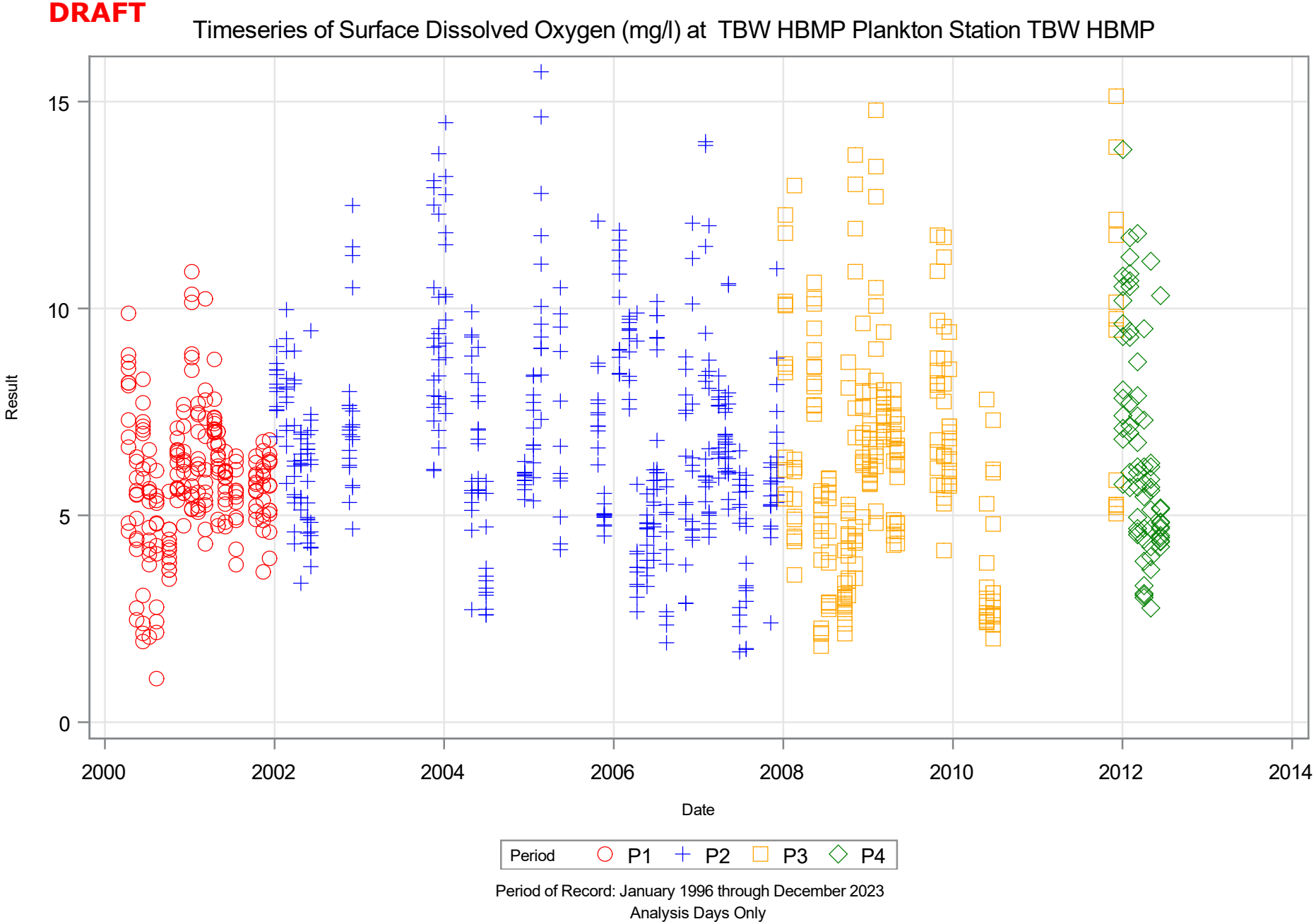
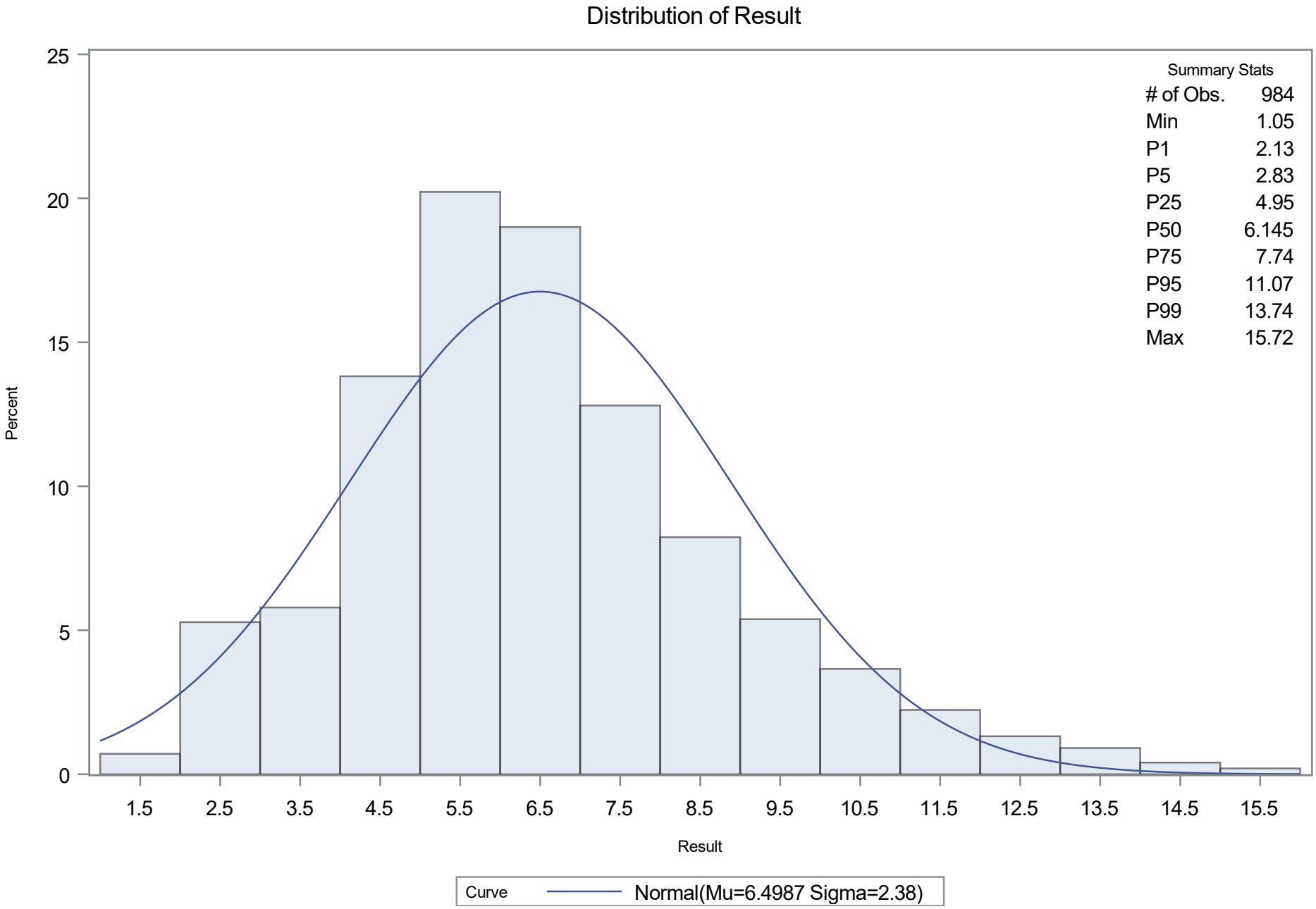

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP
Result
15.0
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP
Result
15
10
5
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.49872
Std Dev	Sigma	2.380024

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07655789	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.53362682	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.66214154	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.13000	0.96196
5.0	2.83000	2.58393
10.0	3.74000	3.44860
25.0	4.95000	4.89342
50.0	6.14500	6.49872
75.0	7.74000	8.10402
90.0	9.66000	9.54884
95.0	11.07000	10.41351
99.0	13.74000	12.03548

Period of Record: January 1996 through December 2023
Analysis Days Only

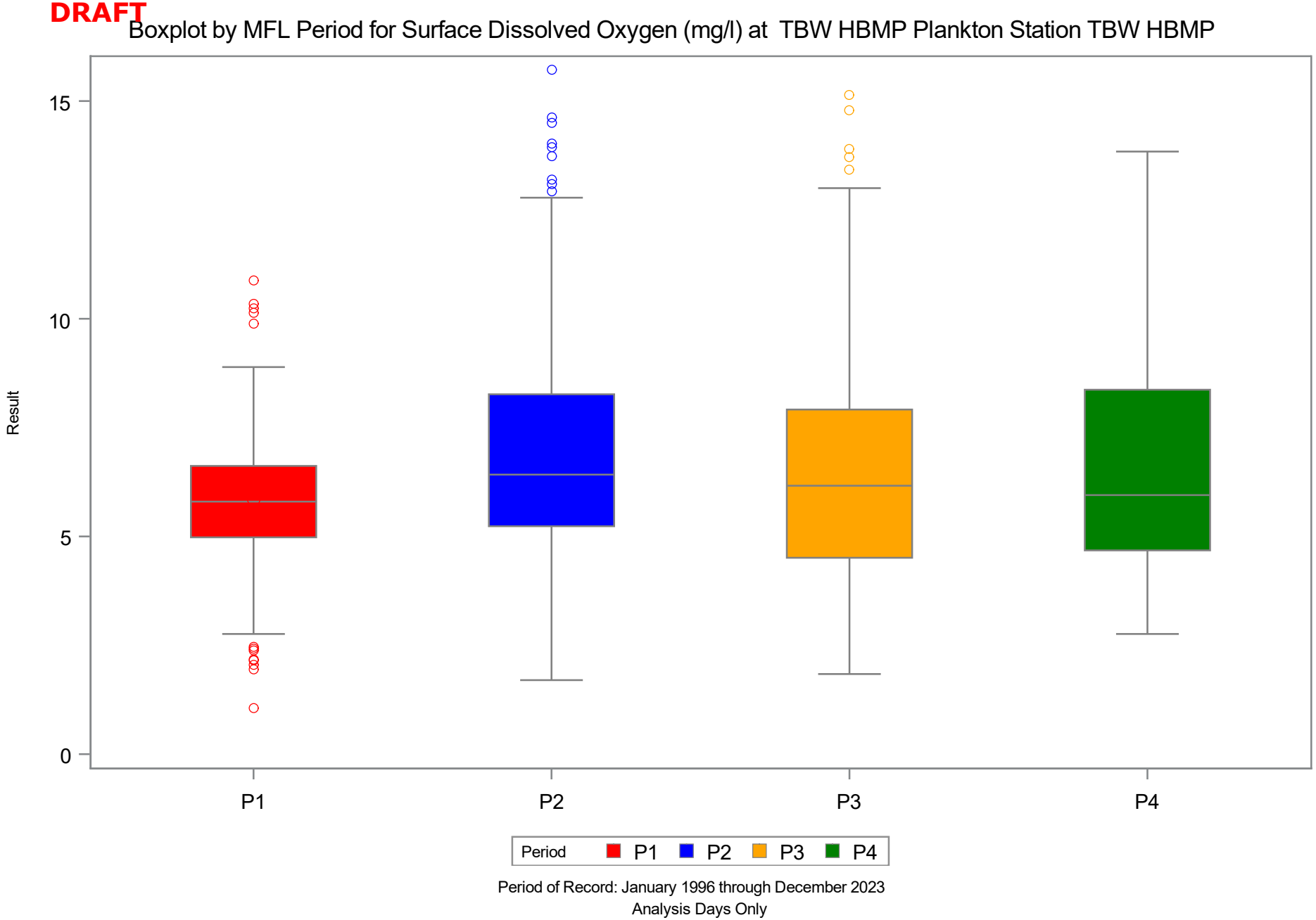
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP

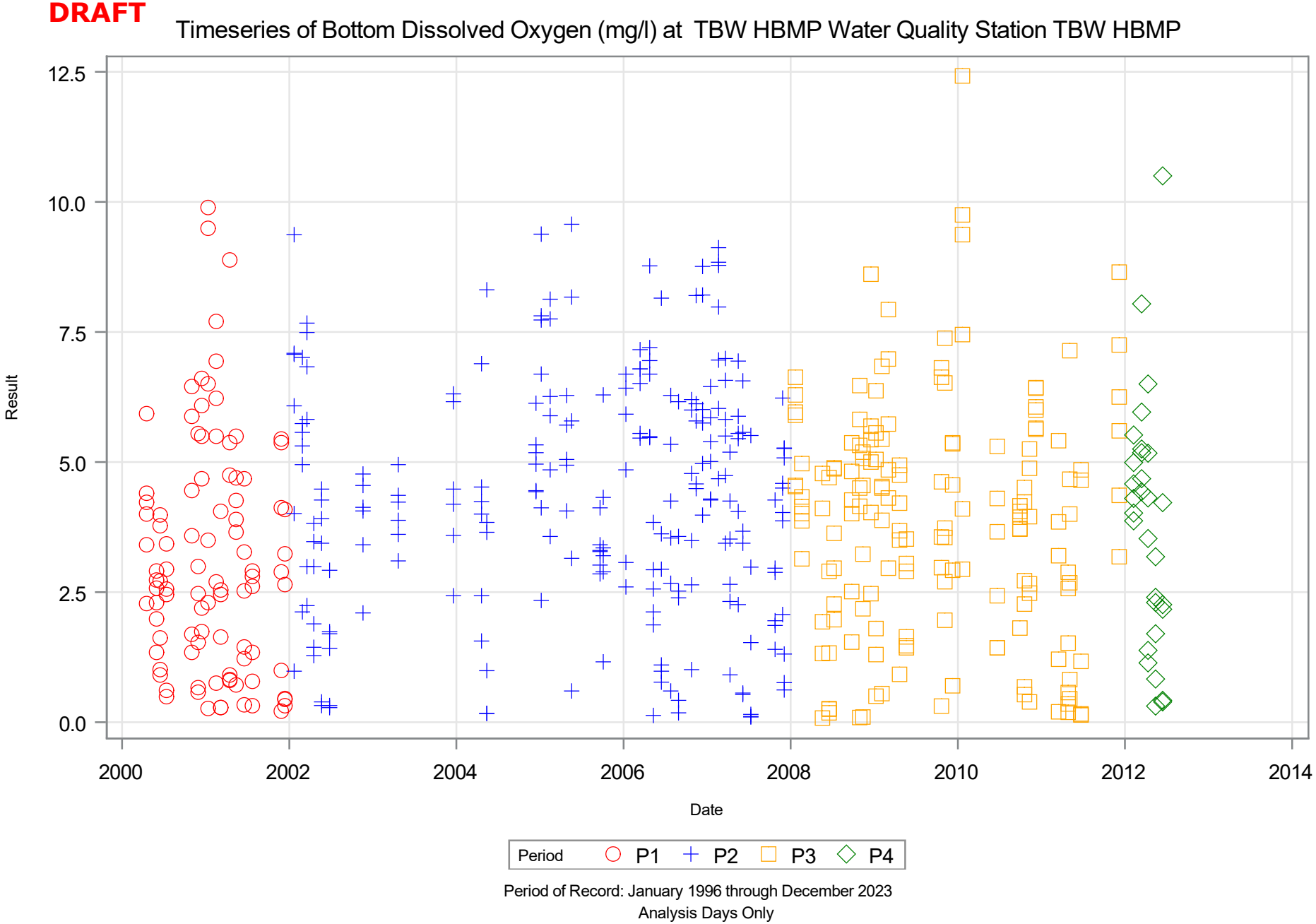
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	1.05	4.98	5.85	5.80	6.62	10.89
P2	456	1.70	5.24	6.83	6.42	8.27	15.72
P3	240	1.84	4.51	6.41	6.17	7.92	15.13
P4	72	2.76	4.68	6.67	5.95	8.37	13.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

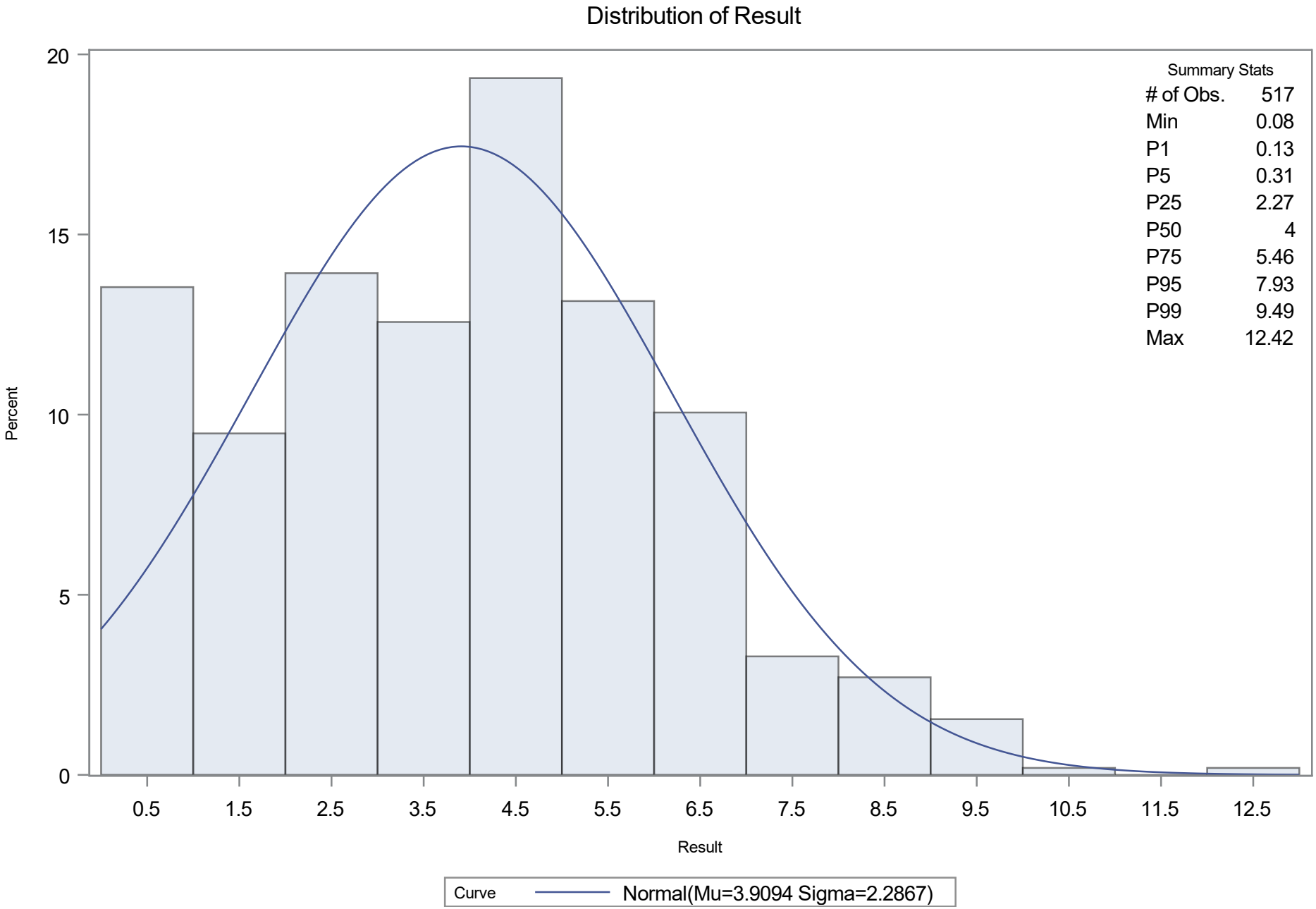

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Plankton Station TBW HBMP
Result
15
10
5
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
12.5
10.0
7.5
5.0
2.5
0.0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.909439
Std Dev	Sigma	2.286654

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04699744	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.13956179	**Pr > W-Sq**	0.034
Anderson-Darling	**A-Sq**	1.61891325	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13000	-1.41011
5.0	0.31000	0.14823
10.0	0.67000	0.97897
25.0	2.27000	2.36711
50.0	4.00000	3.90944
75.0	5.46000	5.45176
90.0	6.79000	6.83990
95.0	7.93000	7.67065
99.0	9.49000	9.22899

Period of Record: January 1996 through December 2023
Analysis Days Only

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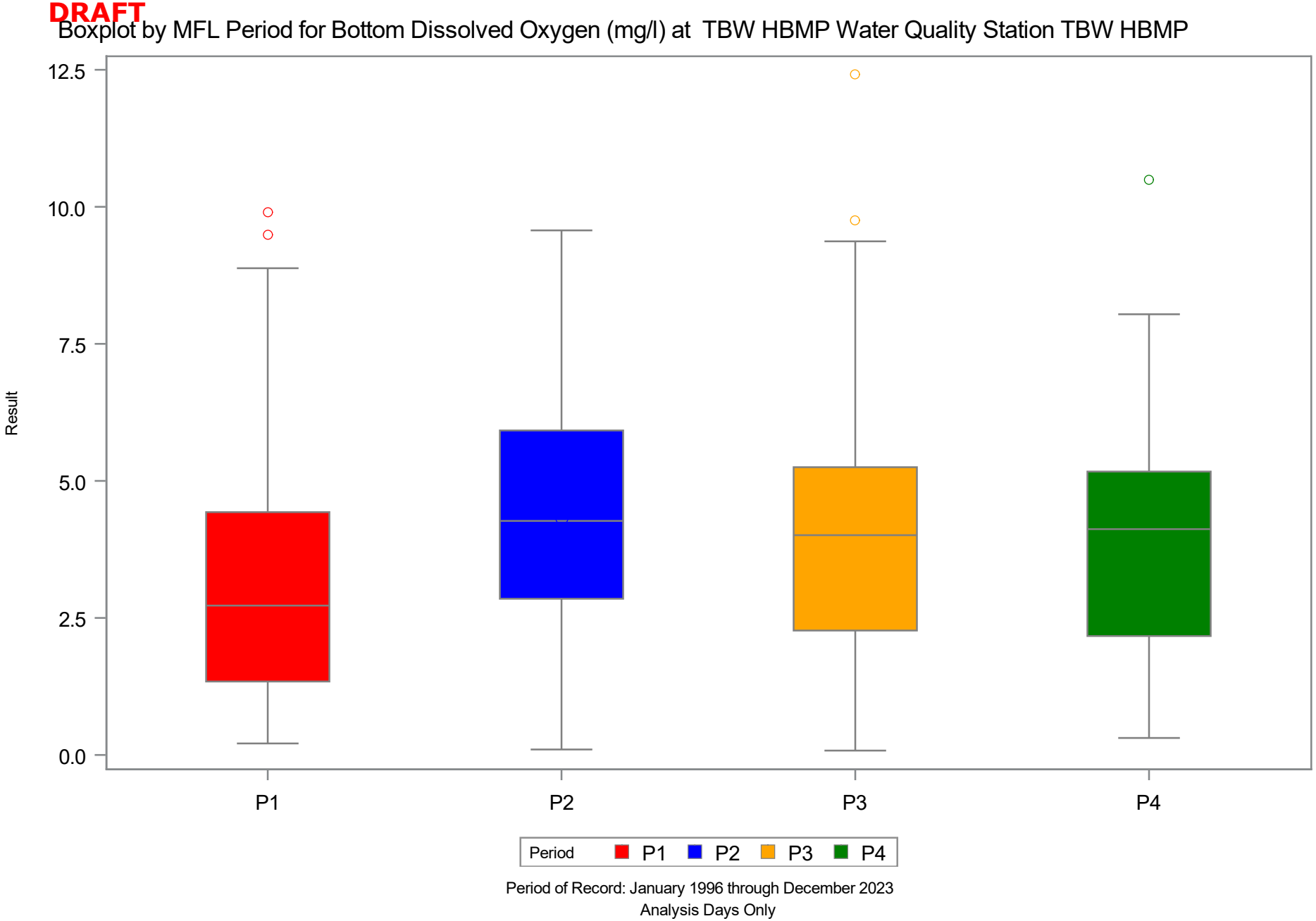
Distributional Statistics by Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	96	0.21	1.34	3.13	2.73	4.43	9.90
P2	226	0.10	2.85	4.32	4.27	5.92	9.57
P3	165	0.08	2.27	3.82	4.01	5.25	12.42
P4	30	0.31	2.17	3.78	4.12	5.17	10.50

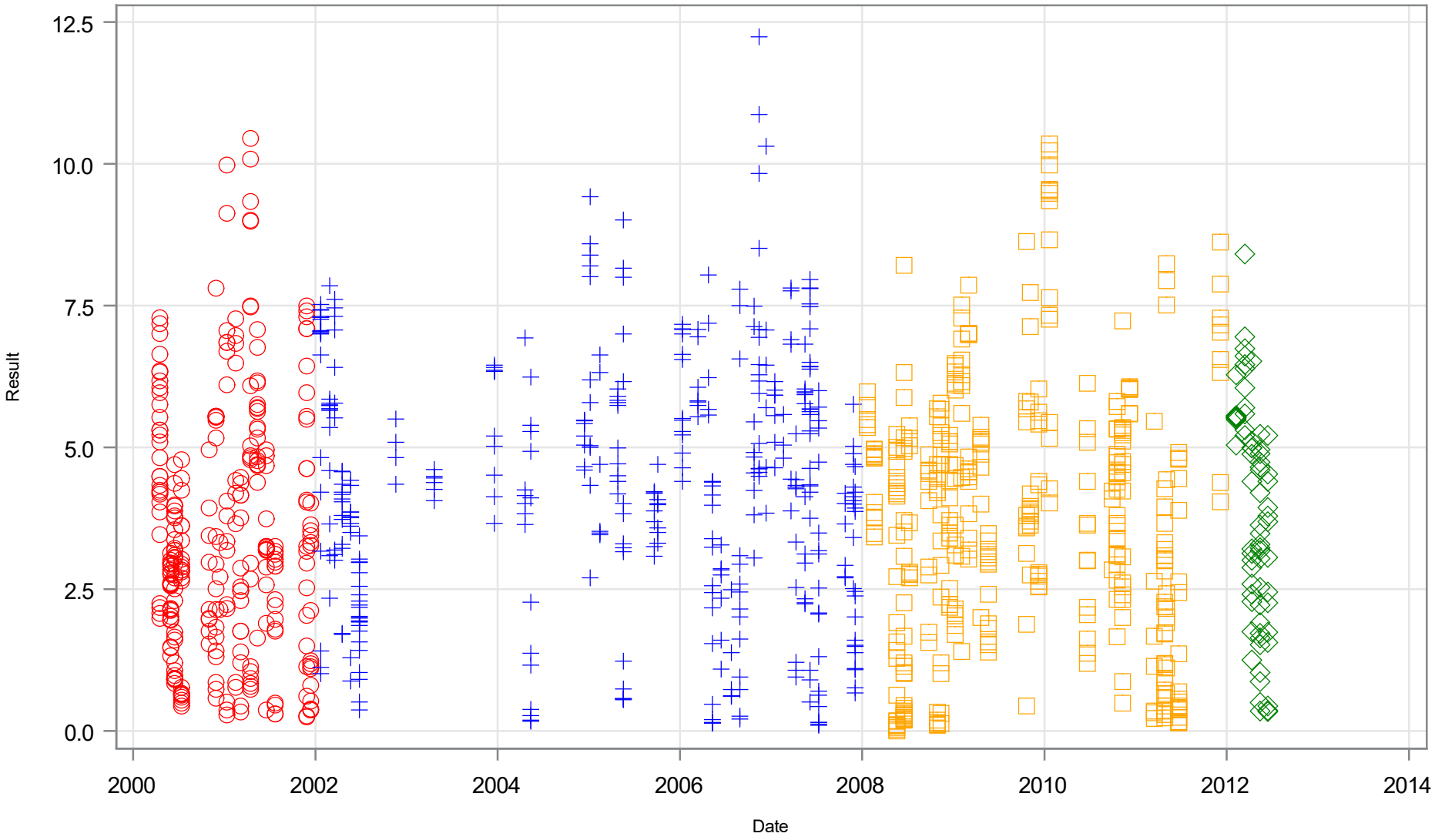
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

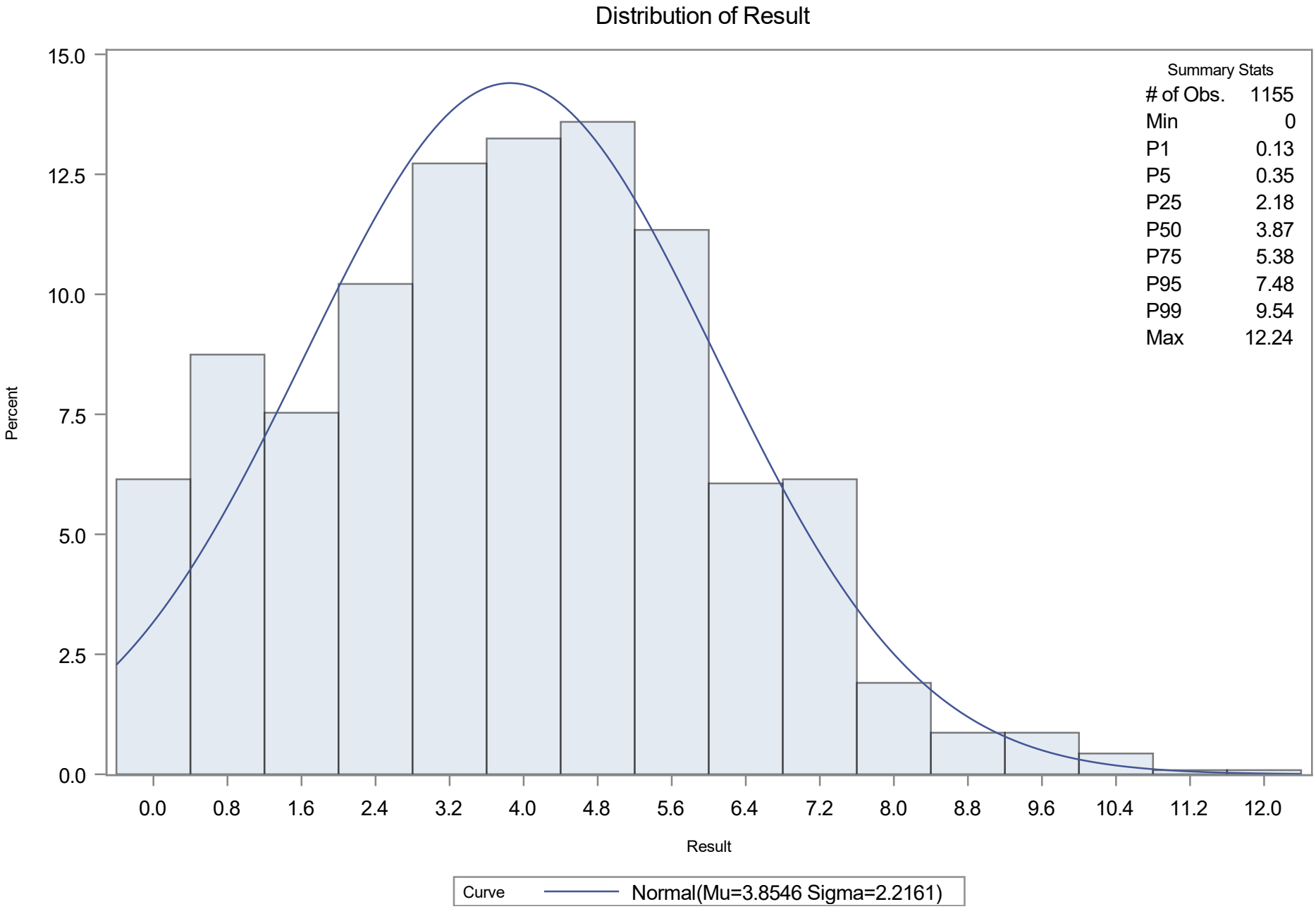
Timeseries of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.854615
Std Dev	Sigma	2.216136

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04208772	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26702621	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.11266186	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13000	-1.30089
5.0	0.35000	0.20940
10.0	0.72000	1.01452
25.0	2.18000	2.35985
50.0	3.87000	3.85461
75.0	5.38000	5.34938
90.0	6.85000	6.69471
95.0	7.48000	7.49983
99.0	9.54000	9.01012

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

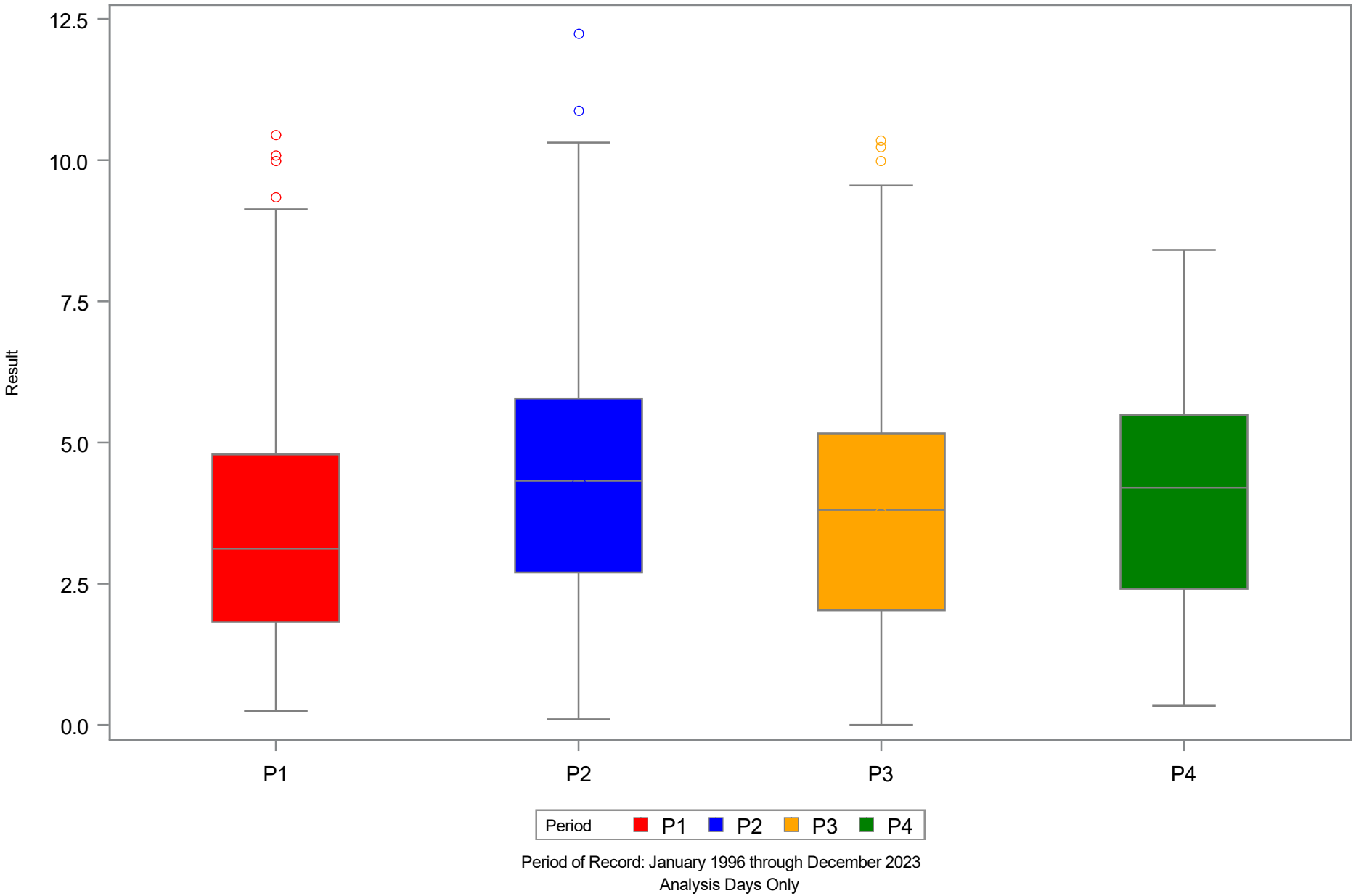
Distributional Statistics by Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	287	0.25	1.82	3.43	3.12	4.79	10.44
P2	406	0.10	2.70	4.27	4.33	5.78	12.24
P3	389	0.00	2.03	3.72	3.81	5.16	10.35
P4	73	0.34	2.41	3.88	4.20	5.49	8.41

Period of Record: January 1996 through December 2023
Analysis Days Only

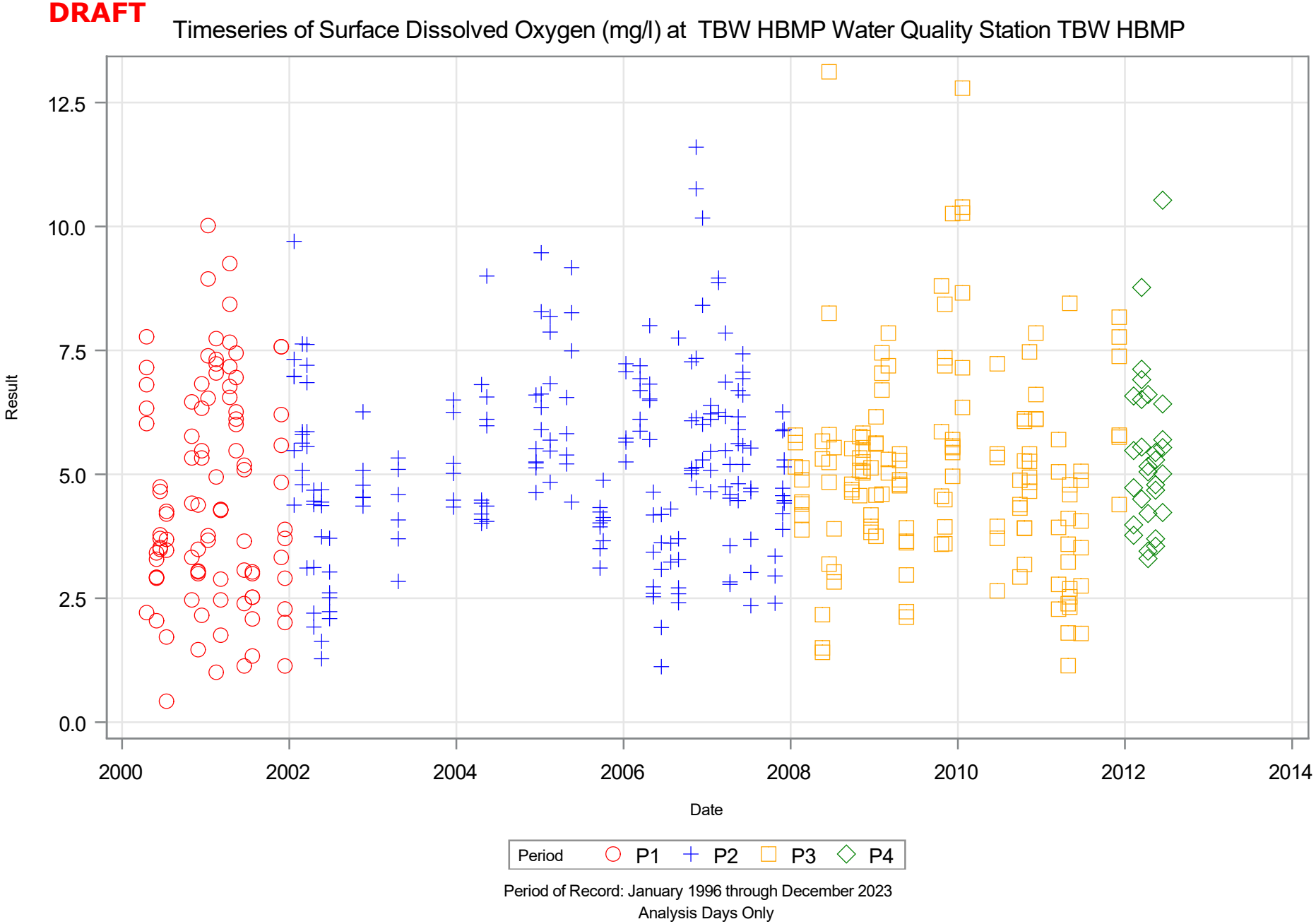
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP



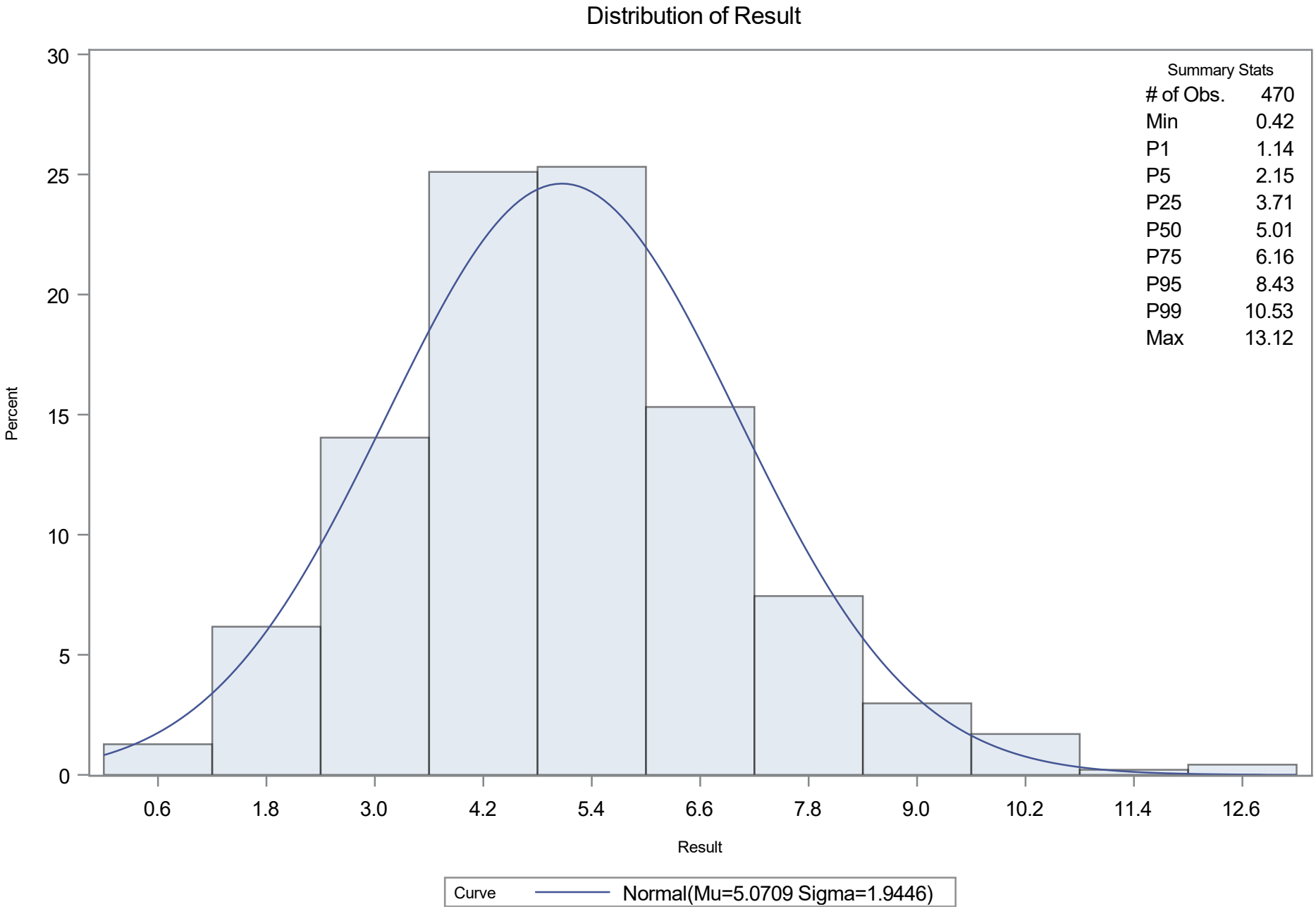
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
12.5
10.0
7.5
5.0
2.5
0.0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.070936
Std Dev	Sigma	1.944619

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05008105	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21420404	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.39466559	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.14000	0.54708
5.0	2.15000	1.87232
10.0	2.63000	2.57881
25.0	3.71000	3.75931
50.0	5.01000	5.07094
75.0	6.16000	6.38256
90.0	7.44500	7.56307
95.0	8.43000	8.26955
99.0	10.53000	9.59480

Period of Record: January 1996 through December 2023
Analysis Days Only

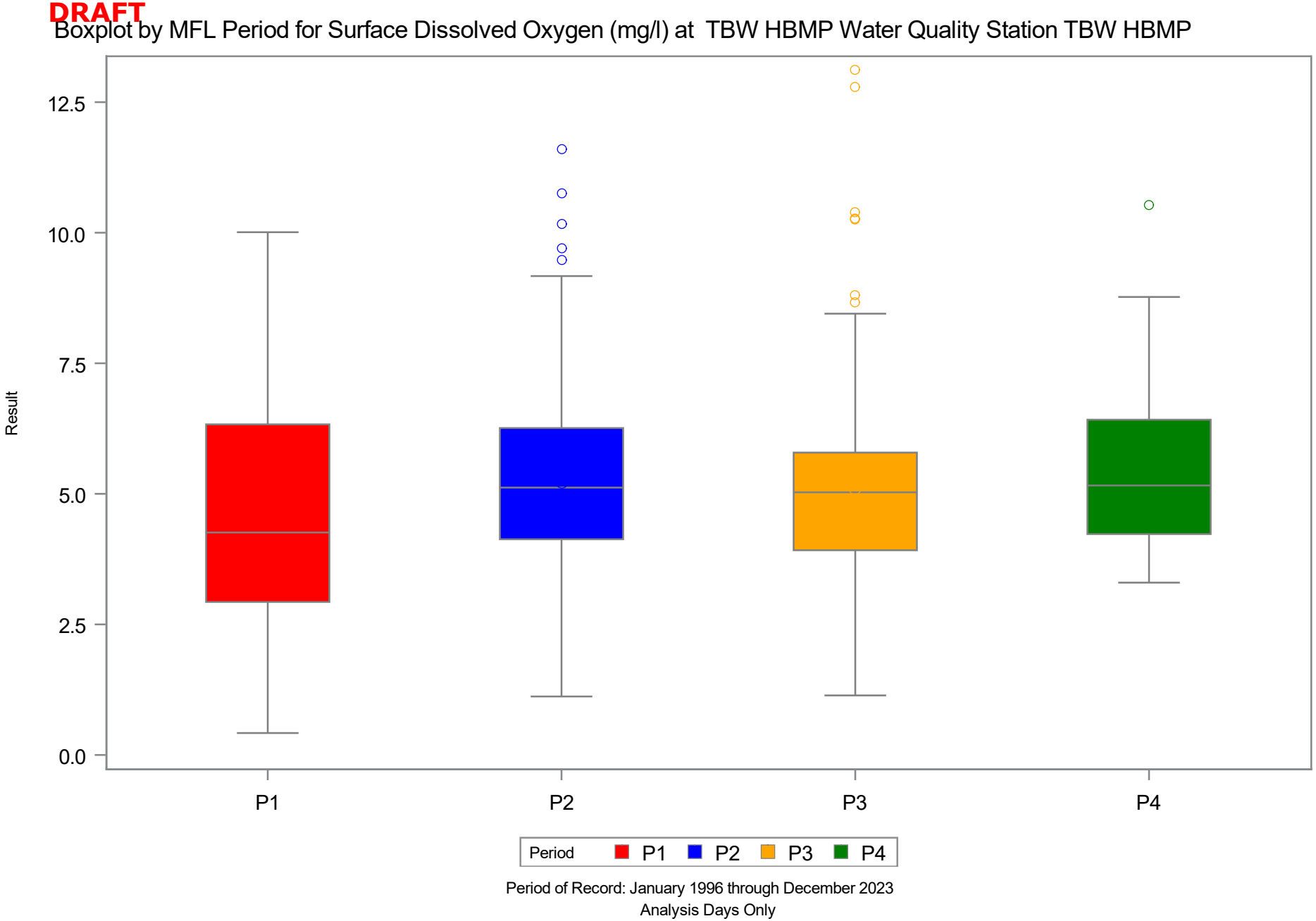
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP

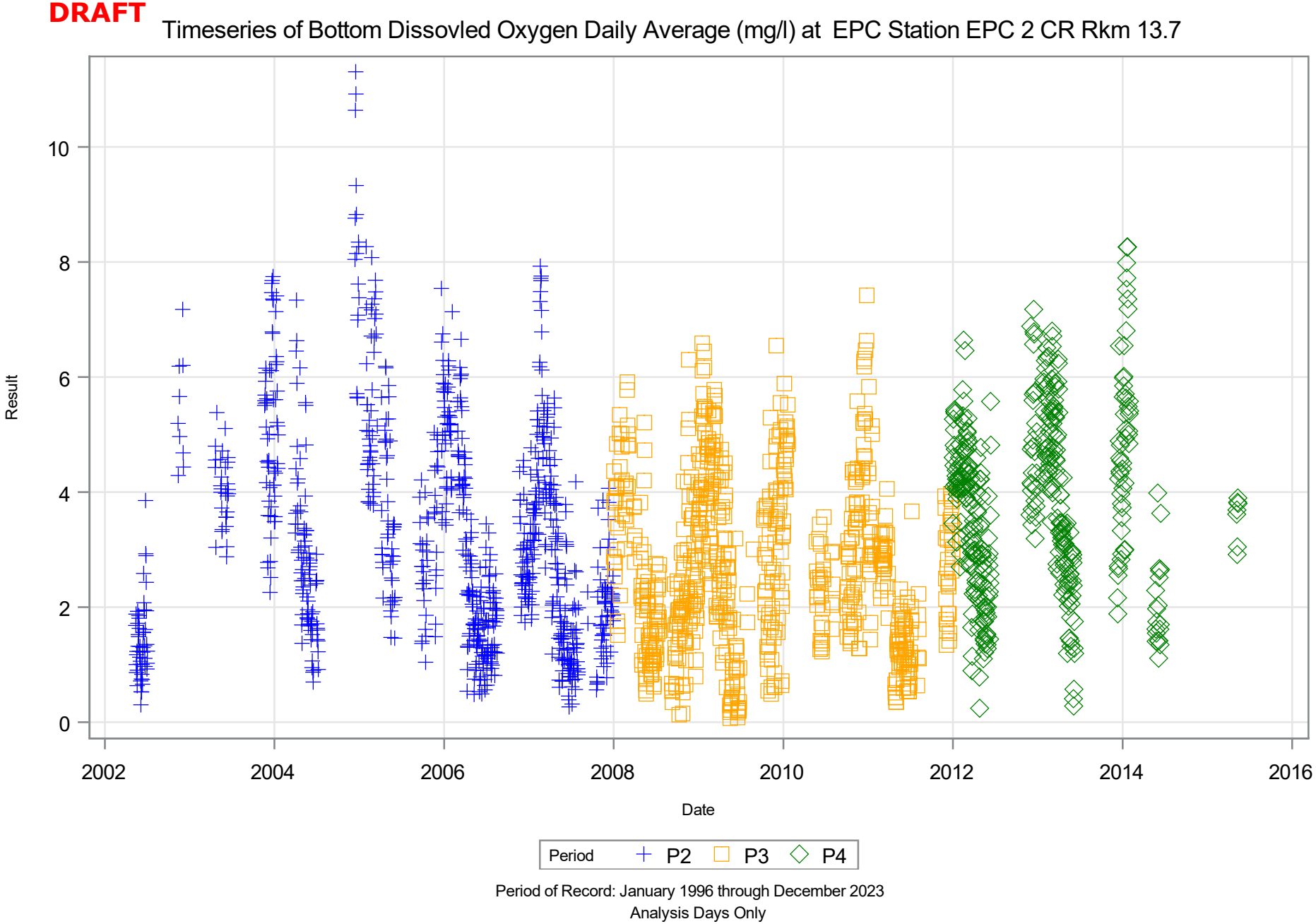
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	95	0.42	2.93	4.56	4.26	6.33	10.01
P2	203	1.12	4.13	5.23	5.12	6.26	11.60
P3	143	1.14	3.92	5.12	5.03	5.79	13.12
P4	29	3.30	4.23	5.40	5.16	6.42	10.53

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

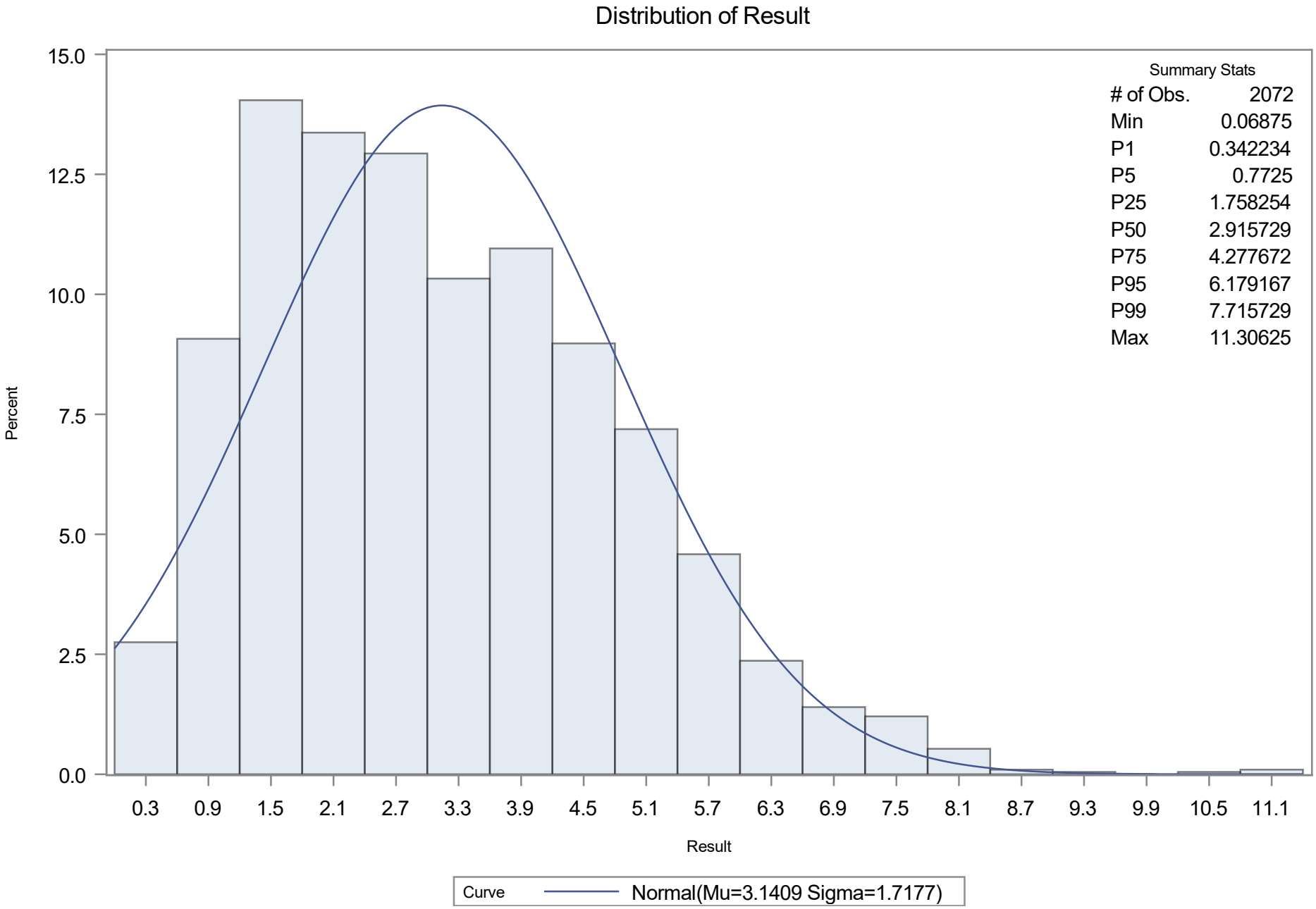

Boxplot by MFL Period for Surface Dissolved Oxygen (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
12.5
10.0
7.5
5.0
2.5
0.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7
Result
0
2
4
6
8
10
2002
2004
2006
2008
2010
2012
2014
2016
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.140919
Std Dev	Sigma	1.717666

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0622891	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.3780253	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	15.4883627	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.34223	-0.85497
5.0	0.77250	0.31561
10.0	1.09106	0.93964
25.0	1.75825	1.98237
50.0	2.91573	3.14092
75.0	4.27767	4.29947
90.0	5.41740	5.34220
95.0	6.17917	5.96623
99.0	7.71573	7.13681

Period of Record: January 1996 through December 2023
Analysis Days Only

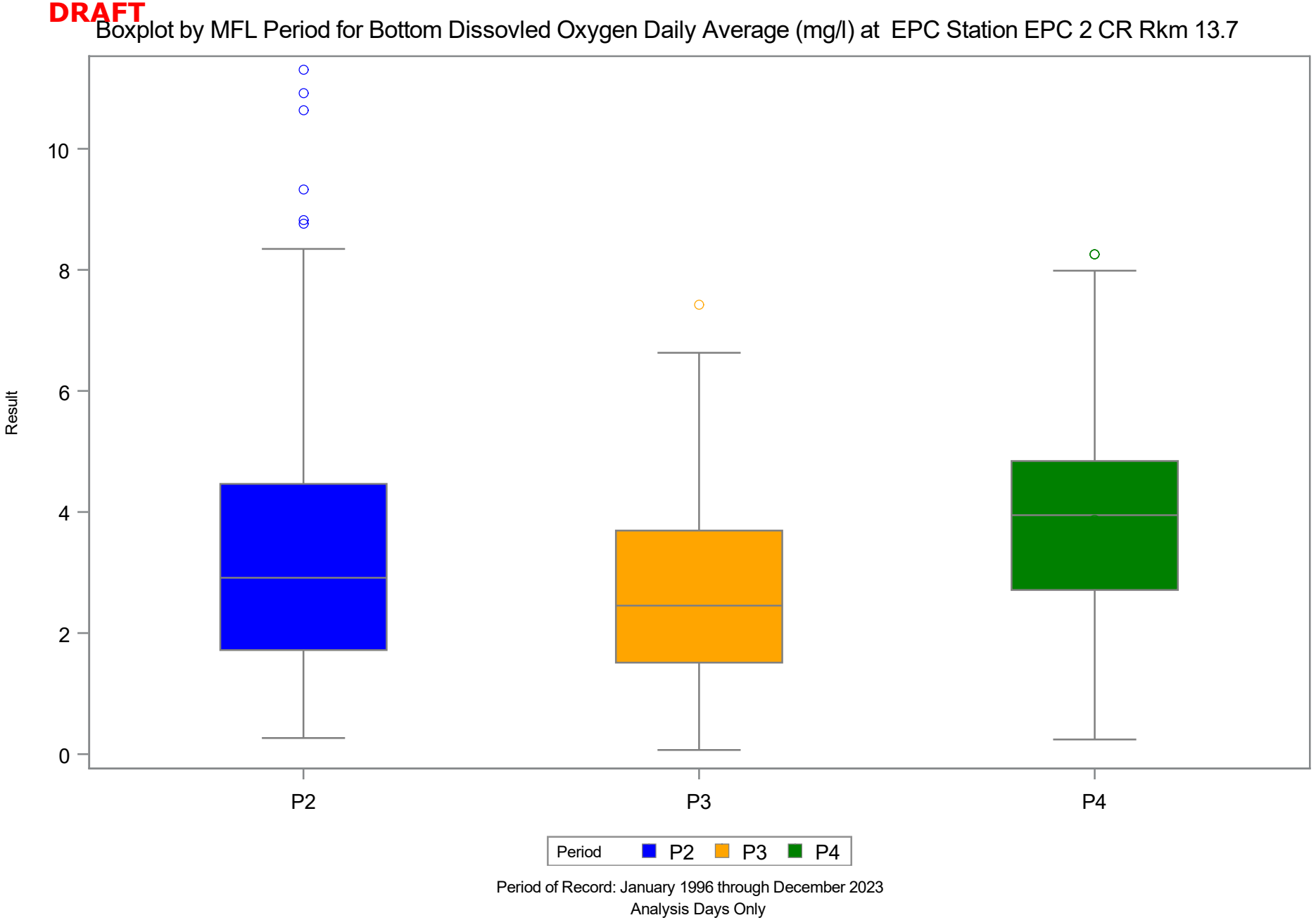
DRAFT

Distributional Statistics by Period for Bottom Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	910	0.27	1.72	3.24	2.91	4.46	11.31
P3	767	0.07	1.51	2.66	2.45	3.69	7.42
P4	395	0.24	2.71	3.84	3.95	4.84	8.26

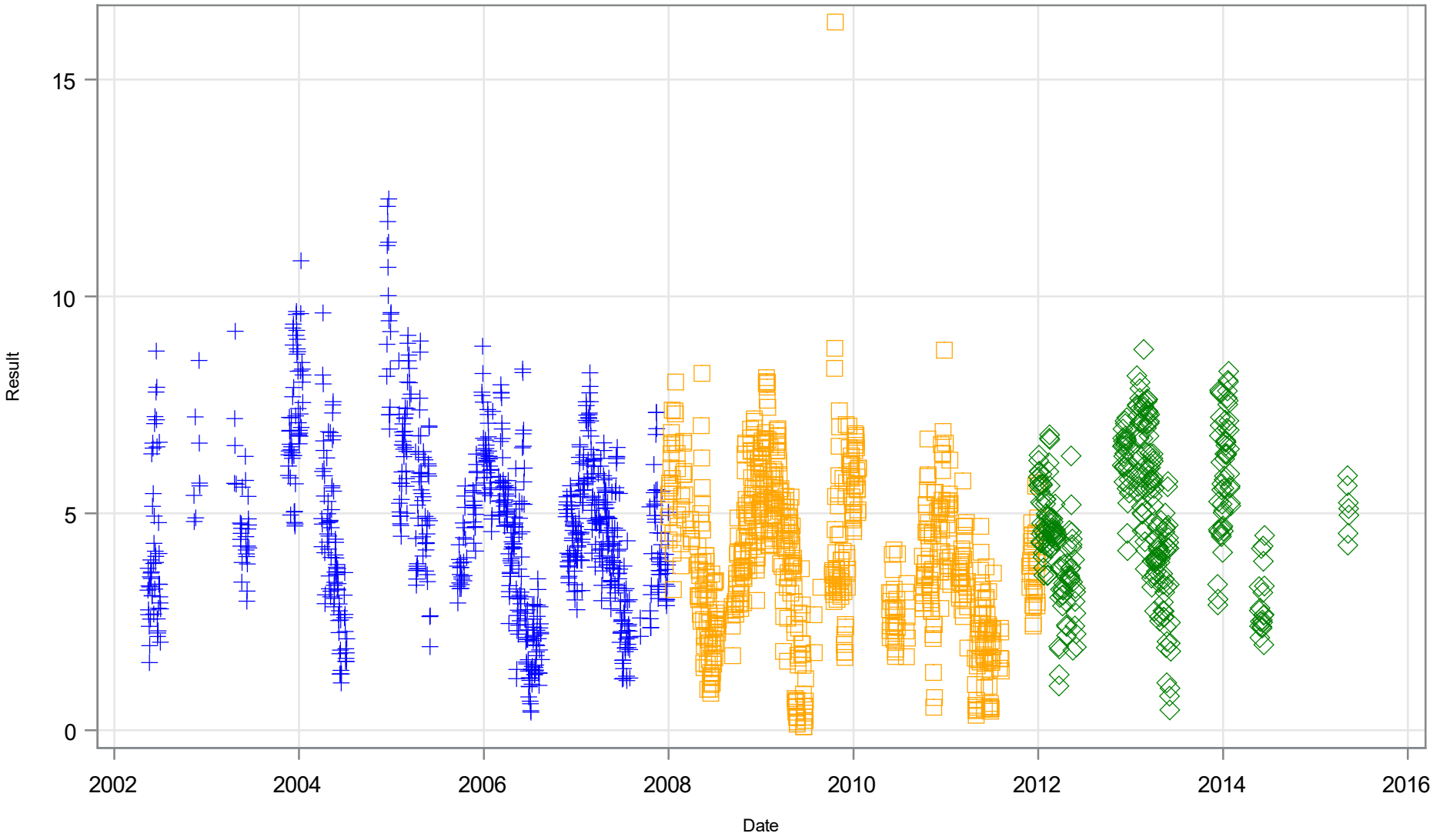
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7
Result
0
2
4
6
8
10
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

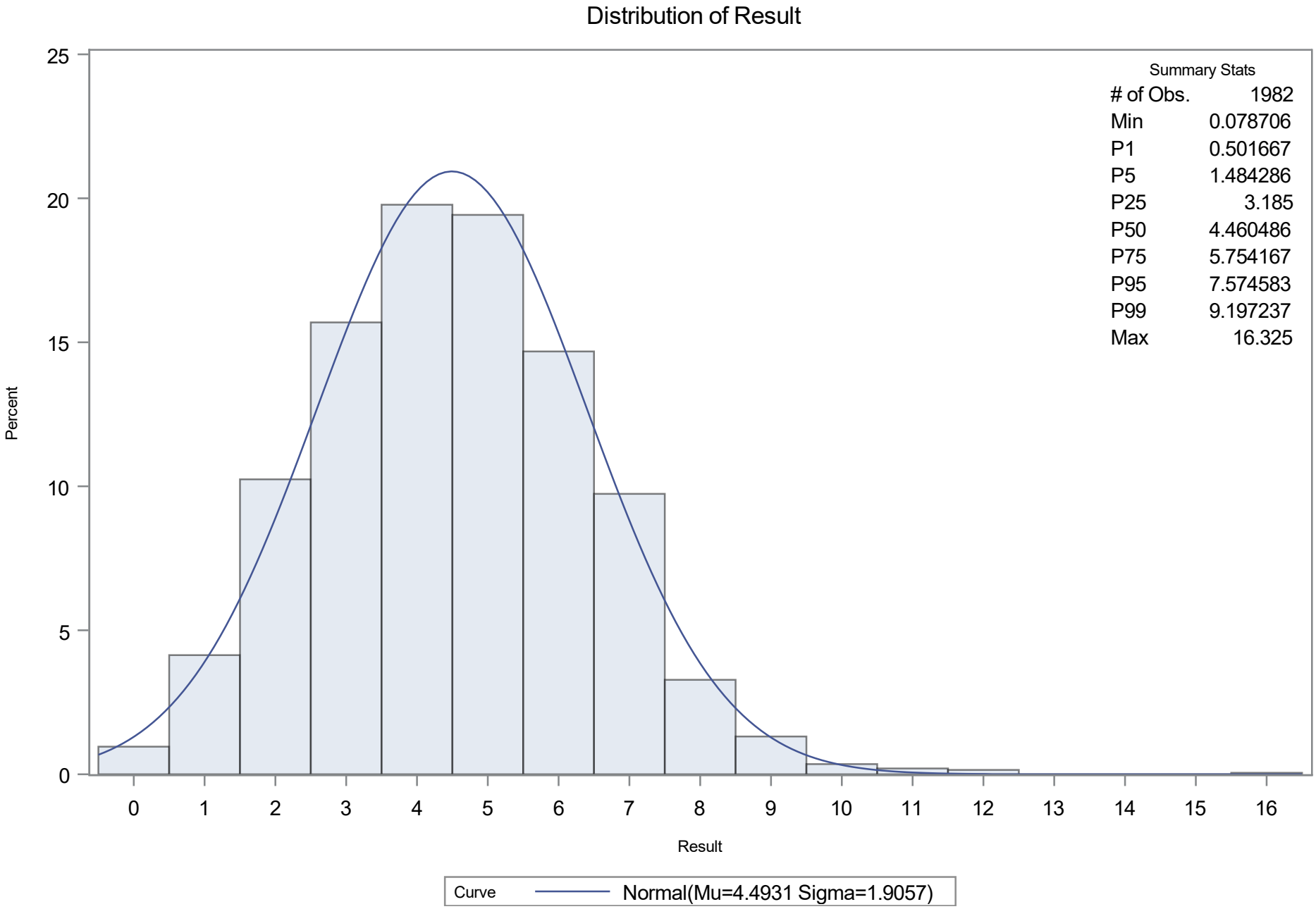
Timeseries of Surface Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.493088
Std Dev	Sigma	1.905676

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02209432	**Pr > D**	0.020
Cramer-von Mises	**W-Sq**	0.15851990	**Pr > W-Sq**	0.020
Anderson-Darling	**A-Sq**	1.15462838	**Pr > A-Sq**	0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.50167	0.05982
5.0	1.48429	1.35853
10.0	2.06901	2.05087
25.0	3.18500	3.20773
50.0	4.46049	4.49309
75.0	5.75417	5.77845
90.0	6.89534	6.93531
95.0	7.57458	7.62765
99.0	9.19724	8.92635

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

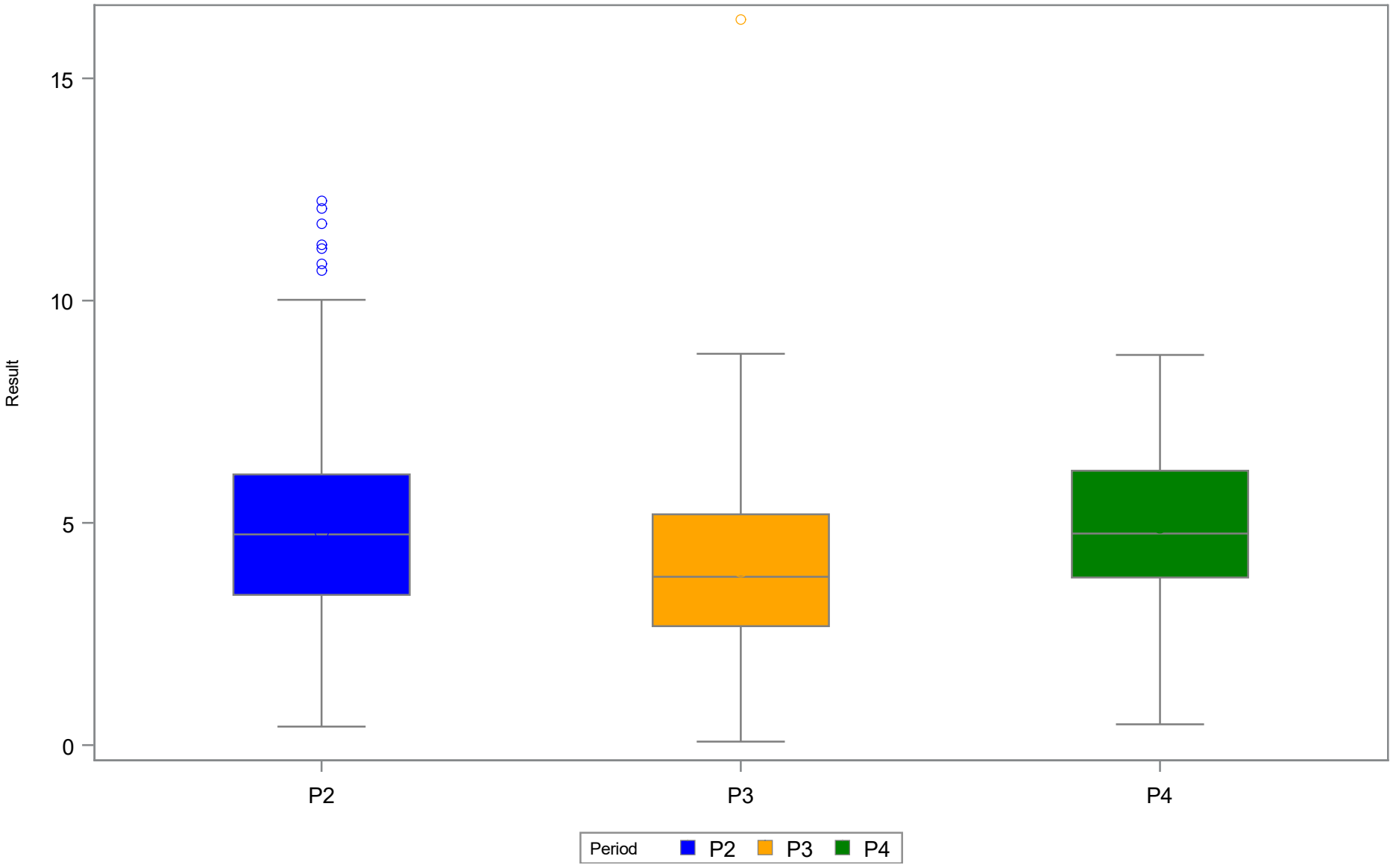
Distributional Statistics by Period for Surface Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	895	0.42	3.38	4.79	4.74	6.09	12.25
P3	741	0.08	2.68	3.93	3.79	5.19	16.33
P4	346	0.47	3.77	4.91	4.76	6.17	8.78

Period of Record: January 1996 through December 2023
Analysis Days Only

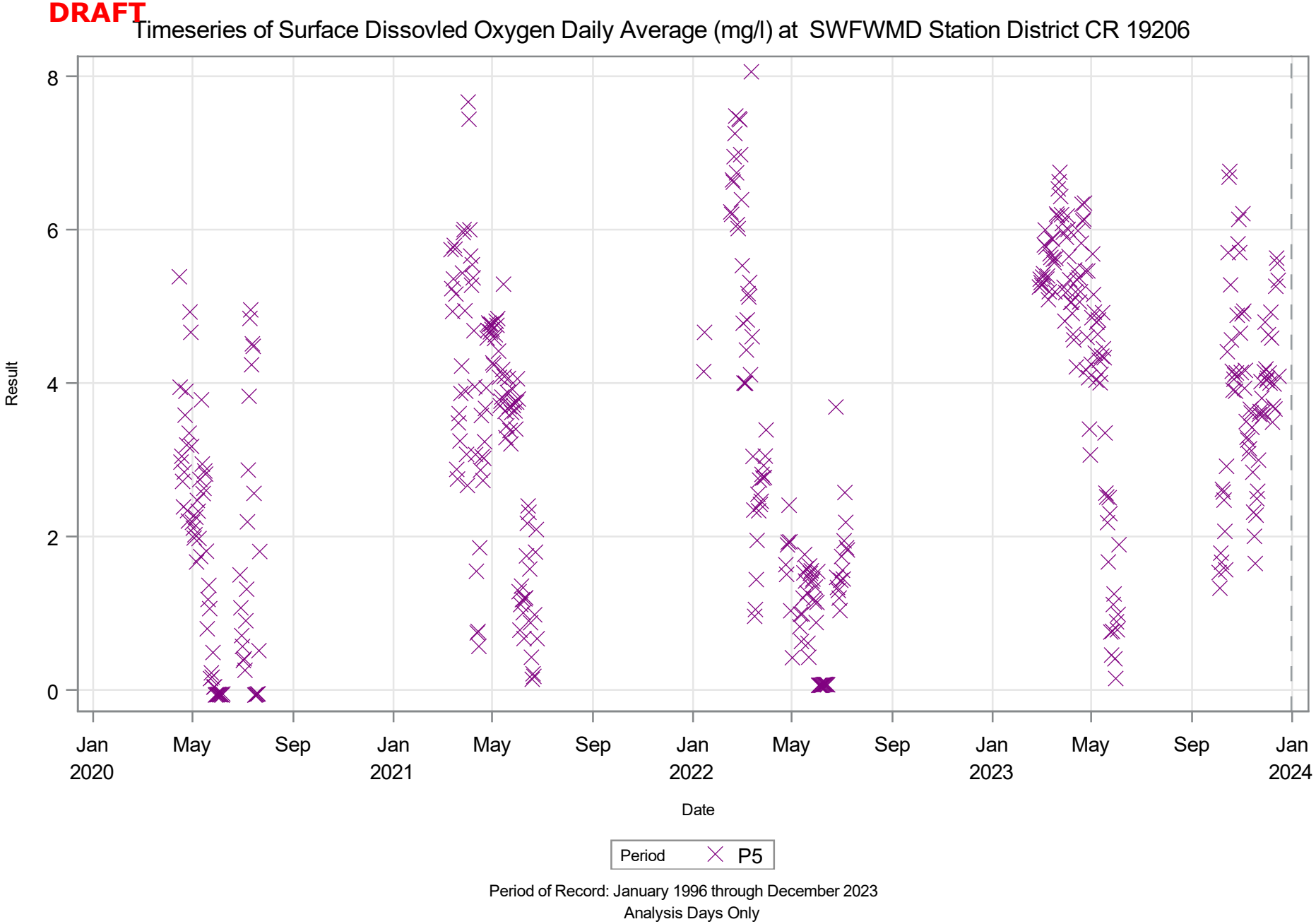
DRAFT

Boxplot by MFL Period for Surface Dissovled Oxygen Daily Average (mg/l) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

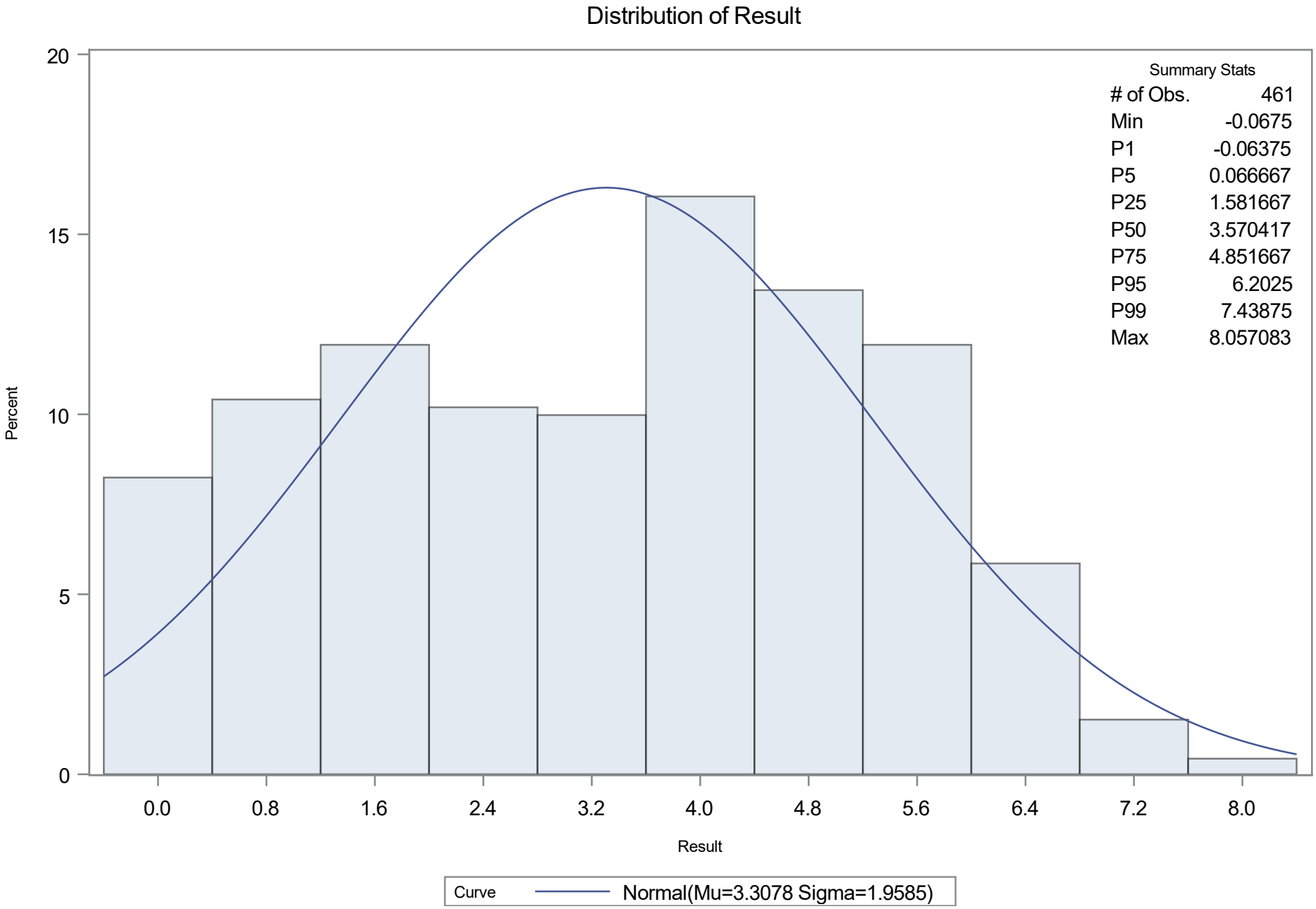
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at SWFWMD Station District CR 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at SWFWMD Station District CR 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.307814
Std Dev	Sigma	1.958546

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06343097	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.56151978	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.64973490	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	-0.06375	-1.24845
5.0	0.06667	0.08629
10.0	0.56667	0.79784
25.0	1.58167	1.98679
50.0	3.57042	3.30781
75.0	4.85167	4.62883
90.0	5.79958	5.81779
95.0	6.20250	6.52934
99.0	7.43875	7.86407

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

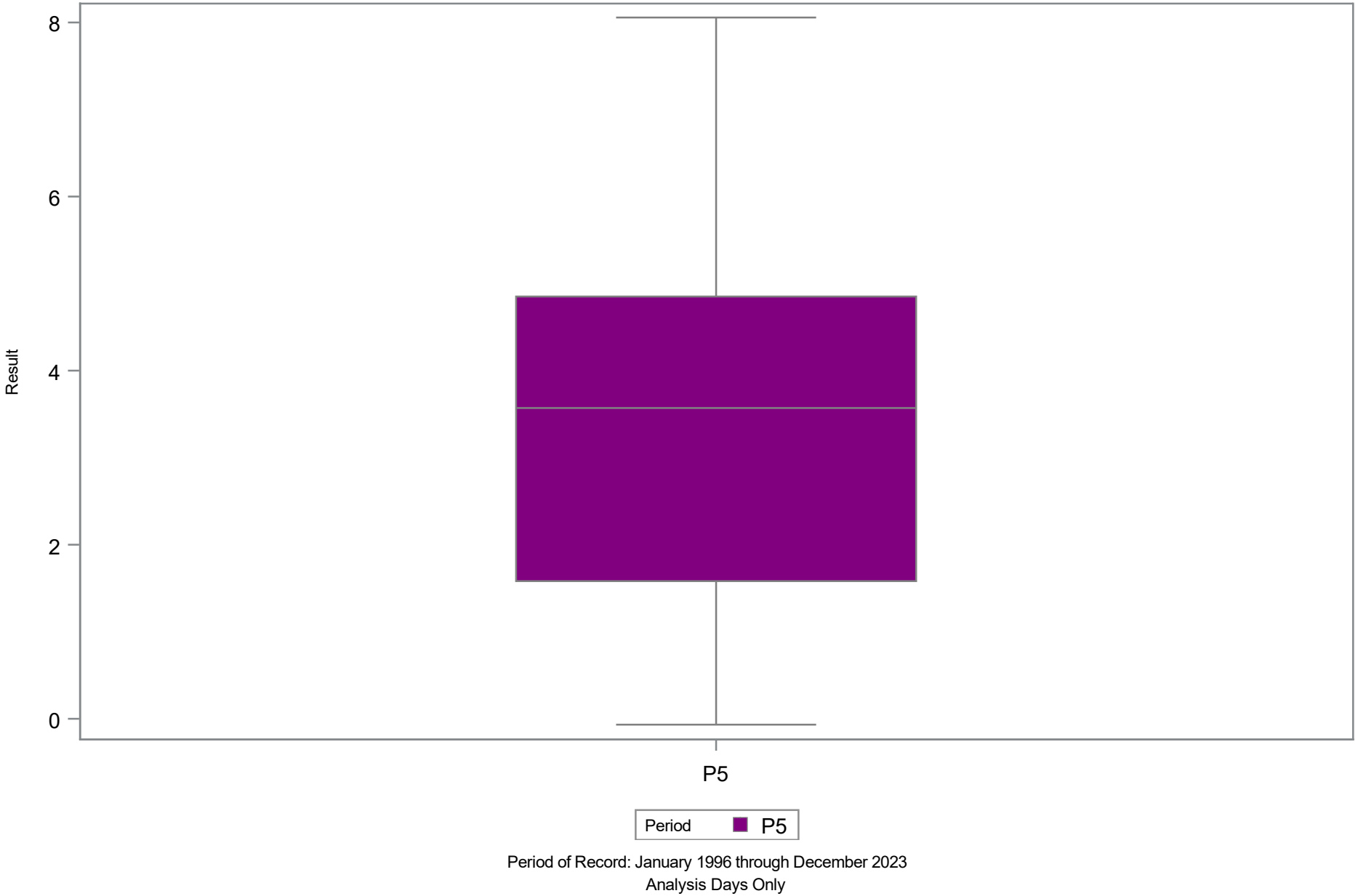
Distributional Statistics by Period for Surface Dissovled Oxygen Daily Average (mg/l) at SWFWMD Station District CR 19206

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	461	-0.07	1.58	3.31	3.57	4.85	8.06

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

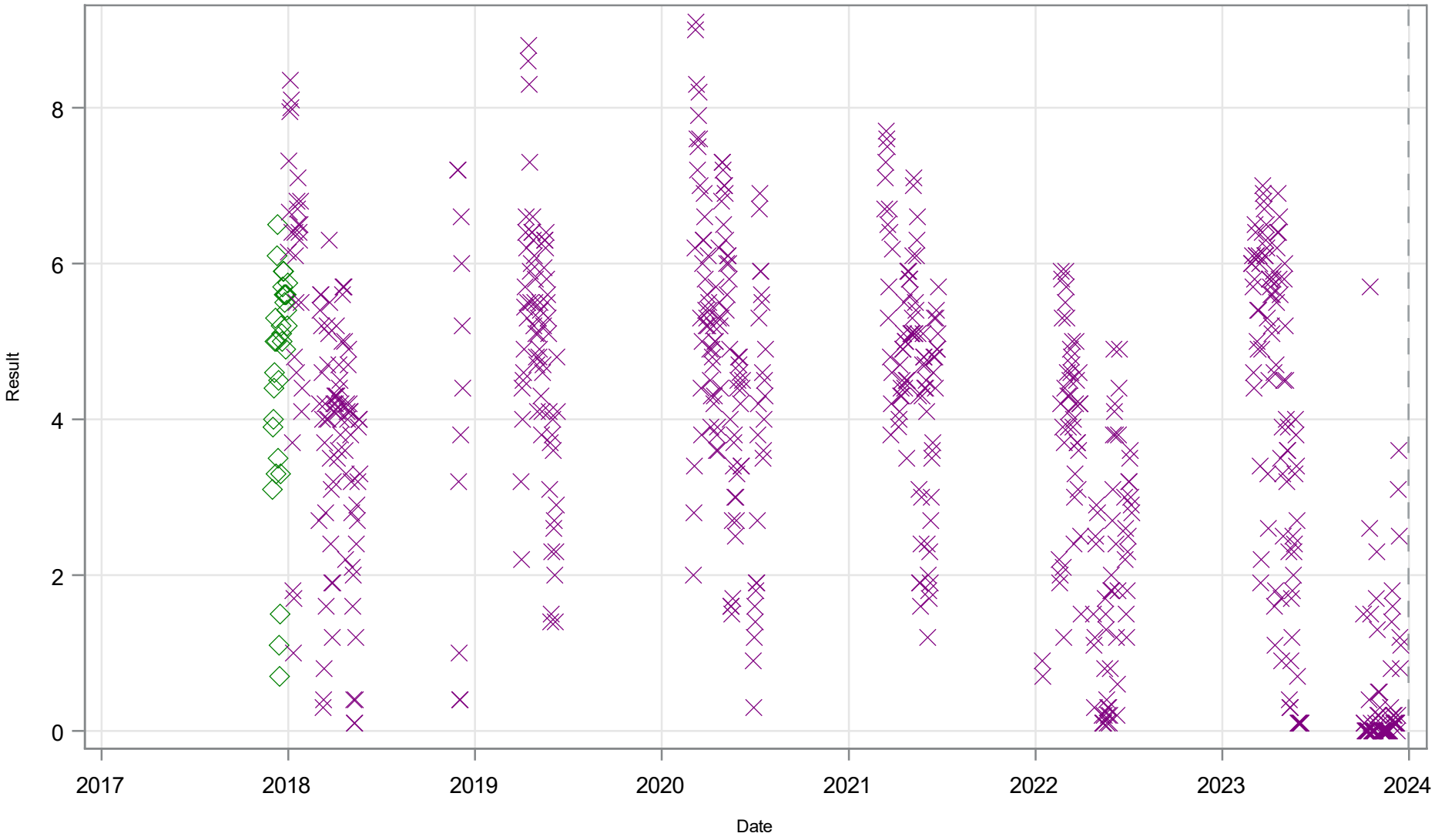
Boxplot by MFL Period for Surface Dissovled Oxygen Daily Average (mg/l) at SWFWMD Station District CR 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

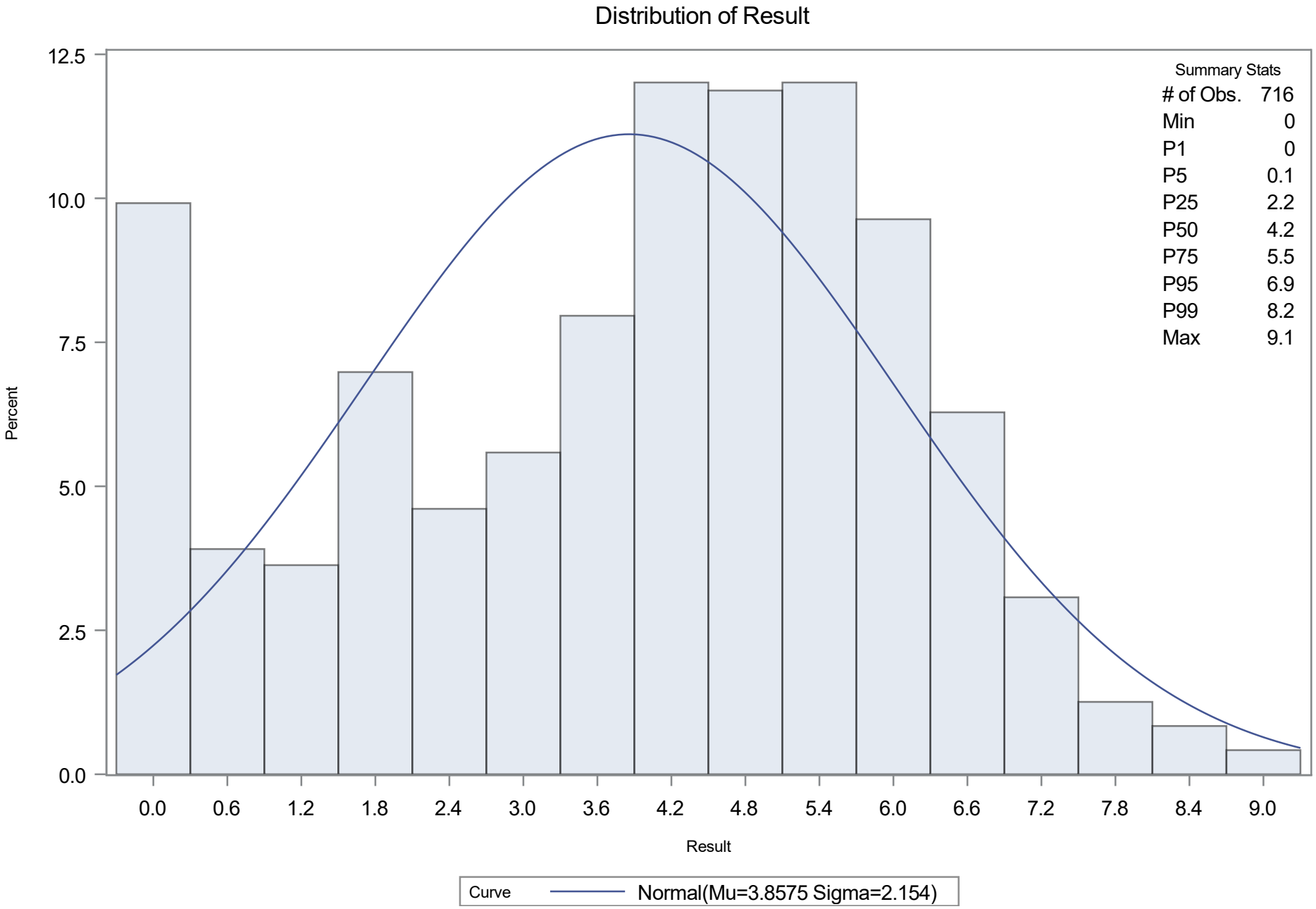
Timeseries of Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.857476
Std Dev	Sigma	2.154025

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08643316	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.42890061	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.40539952	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-1.15354
5.0	0.10000	0.31442
10.0	0.30000	1.09698
25.0	2.20000	2.40461
50.0	4.20000	3.85748
75.0	5.50000	5.31034
90.0	6.40000	6.61797
95.0	6.90000	7.40053
99.0	8.20000	8.86849

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

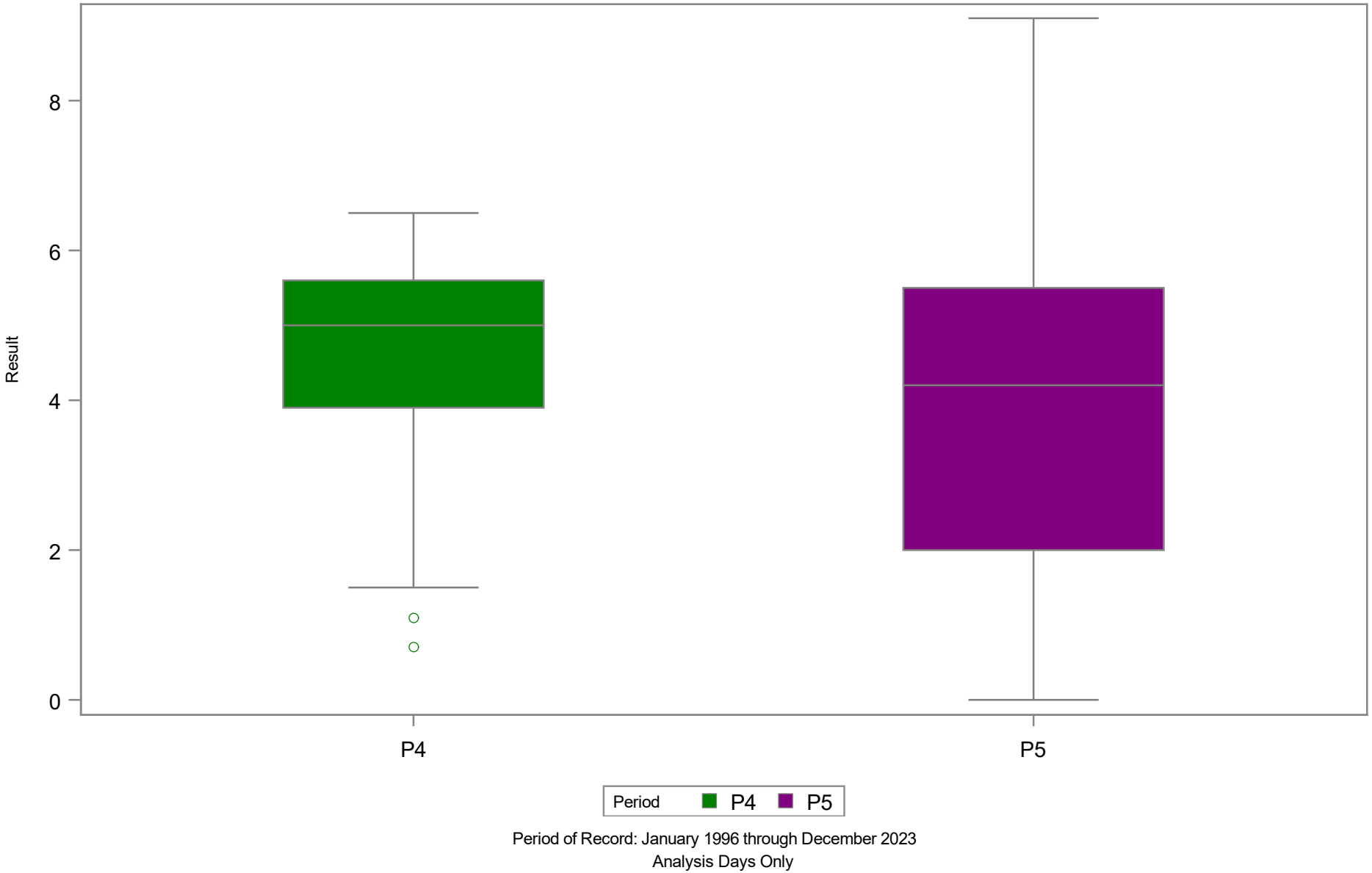
Distributional Statistics by Period for Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	0.70	3.90	4.59	5.00	5.60	6.50
P5	685	0.00	2.00	3.82	4.20	5.50	9.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

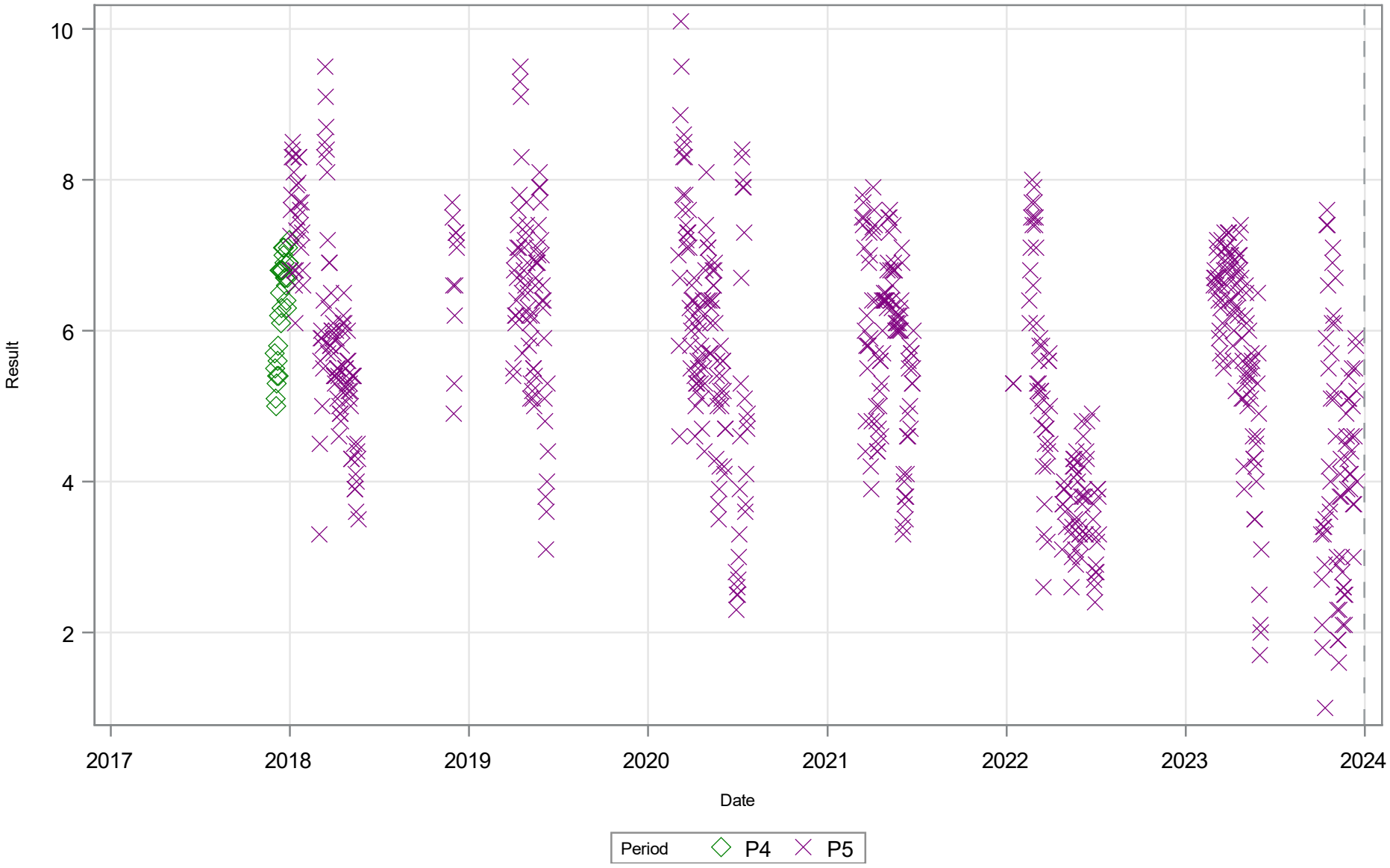
Boxplot by MFL Period for Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

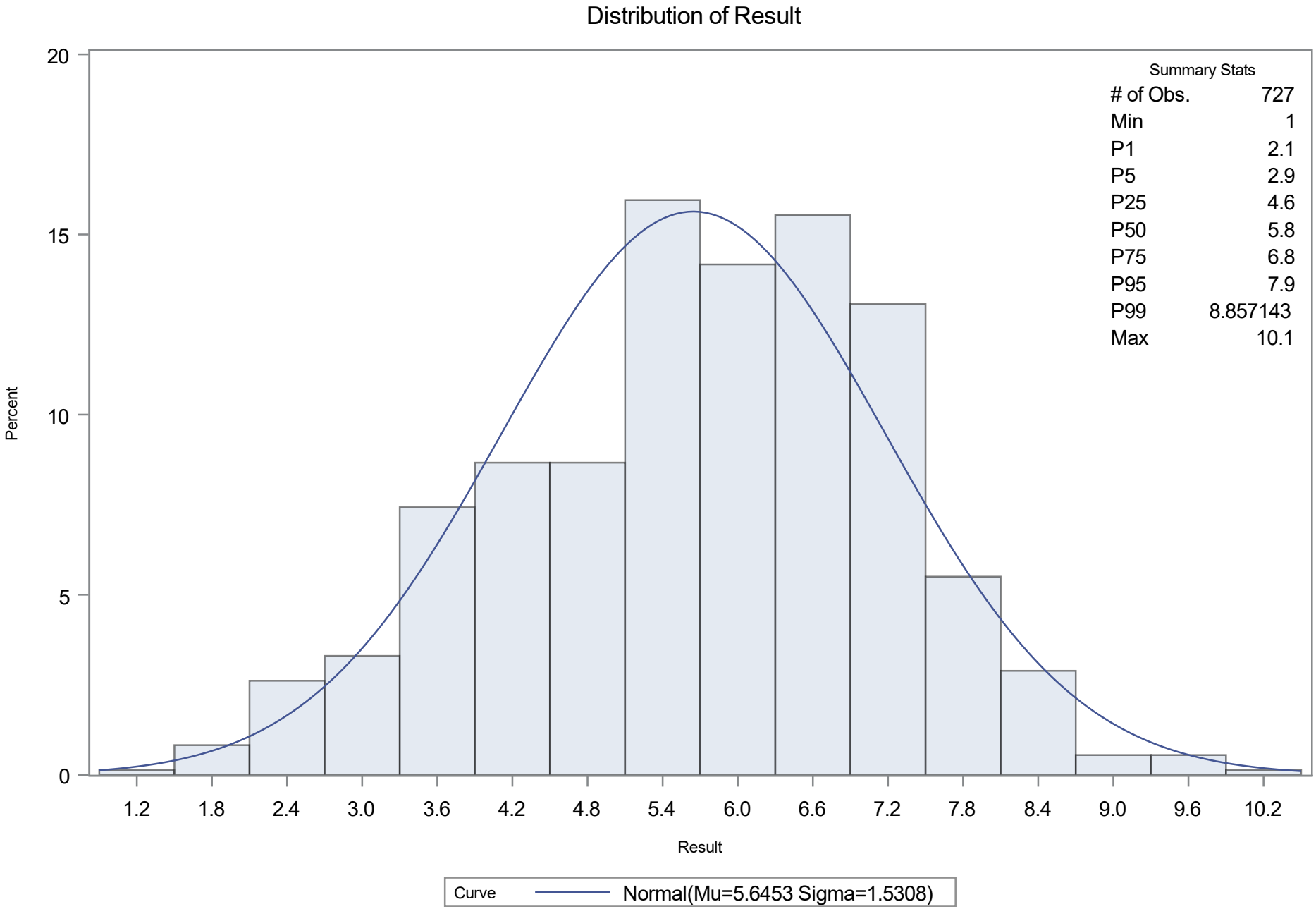
Timeseries of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.645323
Std Dev	Sigma	1.530781

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05241103	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.46516188	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.74090197	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.10000	2.08419
5.0	2.90000	3.12741
10.0	3.50000	3.68355
25.0	4.60000	4.61283
50.0	5.80000	5.64532
75.0	6.80000	6.67782
90.0	7.40000	7.60710
95.0	7.90000	8.16323
99.0	8.85714	9.20645

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

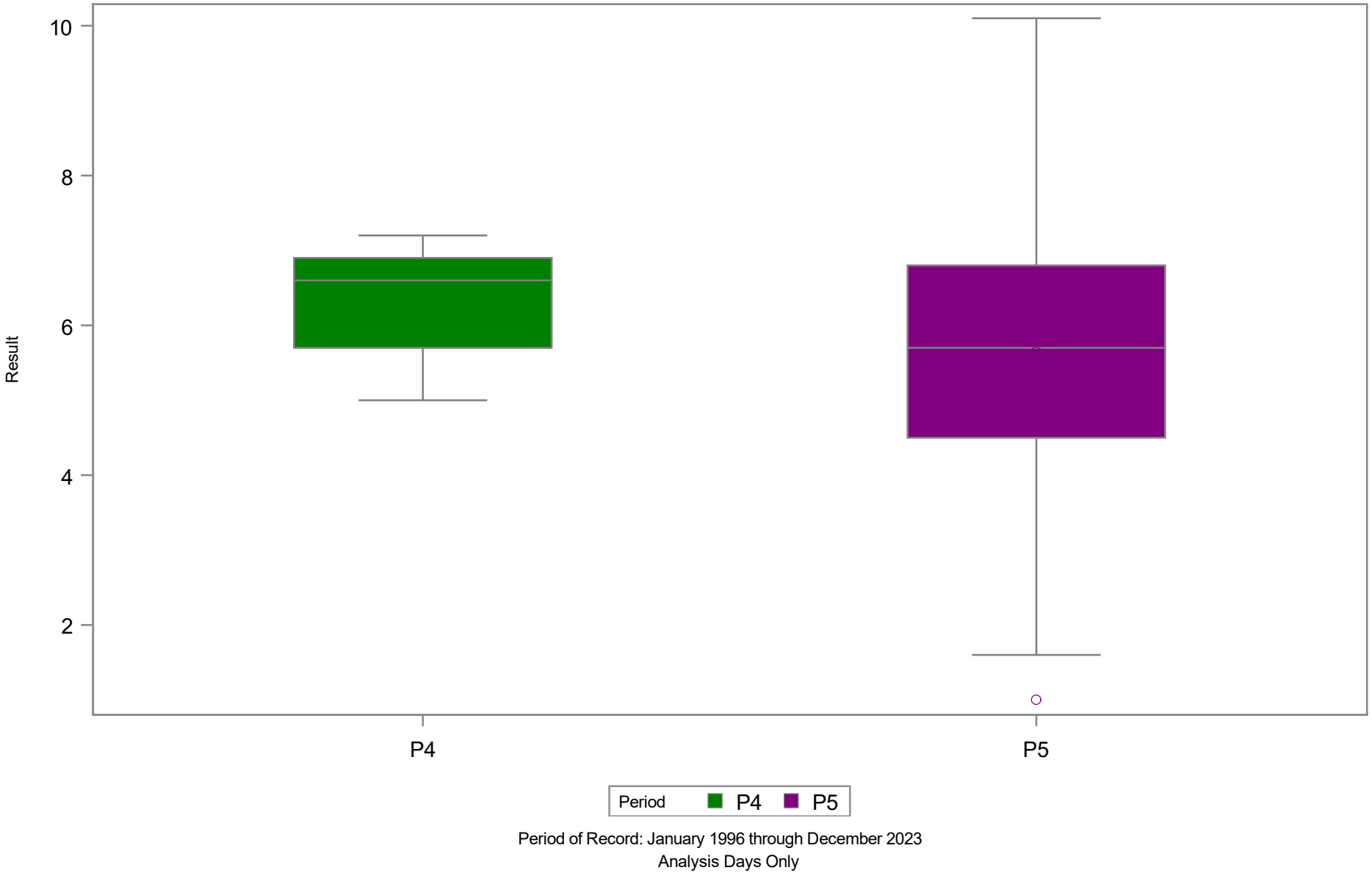
Distributional Statistics by Period for Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	5.00	5.70	6.35	6.60	6.90	7.20
P5	696	1.00	4.50	5.61	5.70	6.80	10.10

Period of Record: January 1996 through December 2023
Analysis Days Only

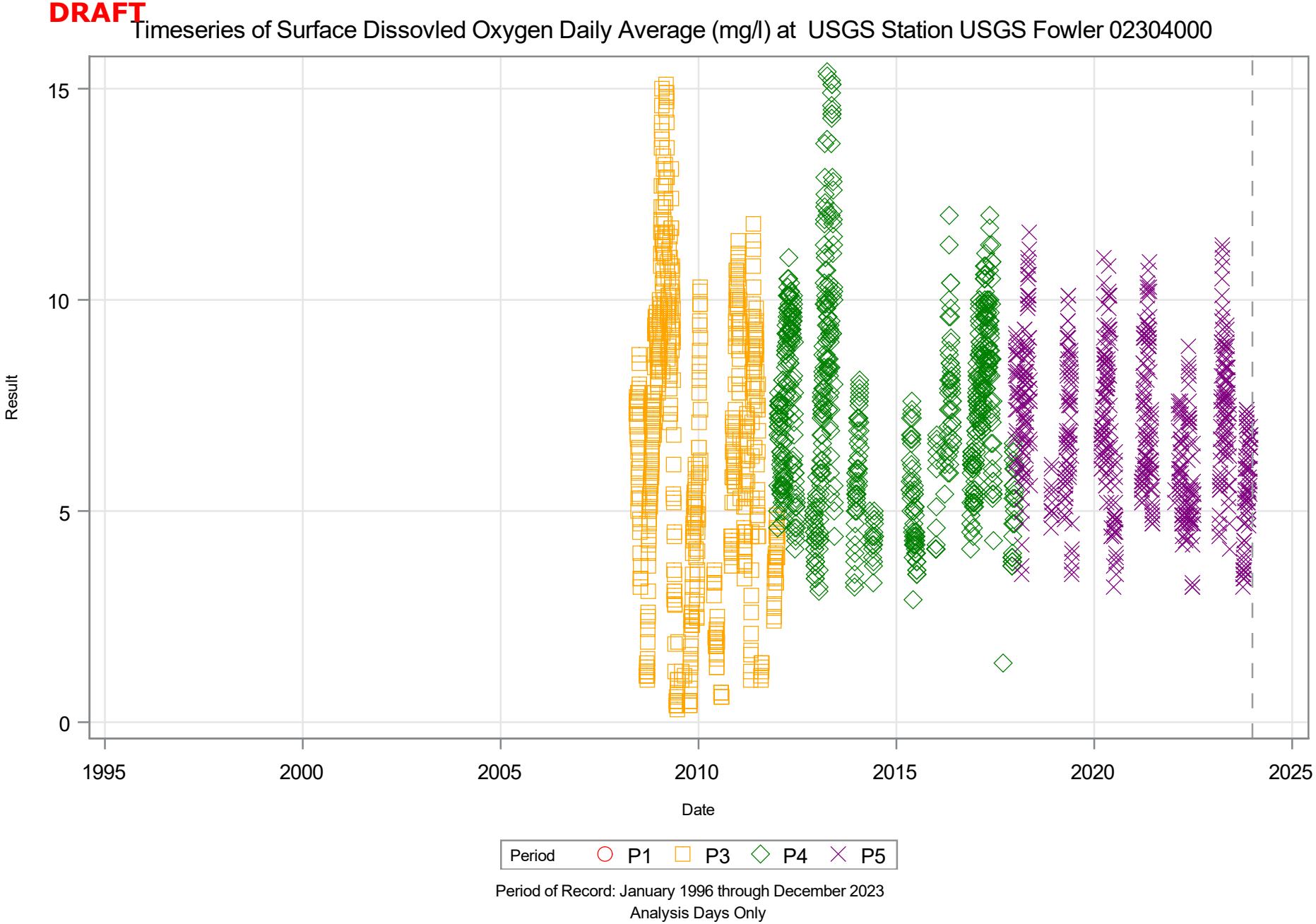
DRAFT

Boxplot by MFL Period for Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS BL Hannah's Whirl 02304517



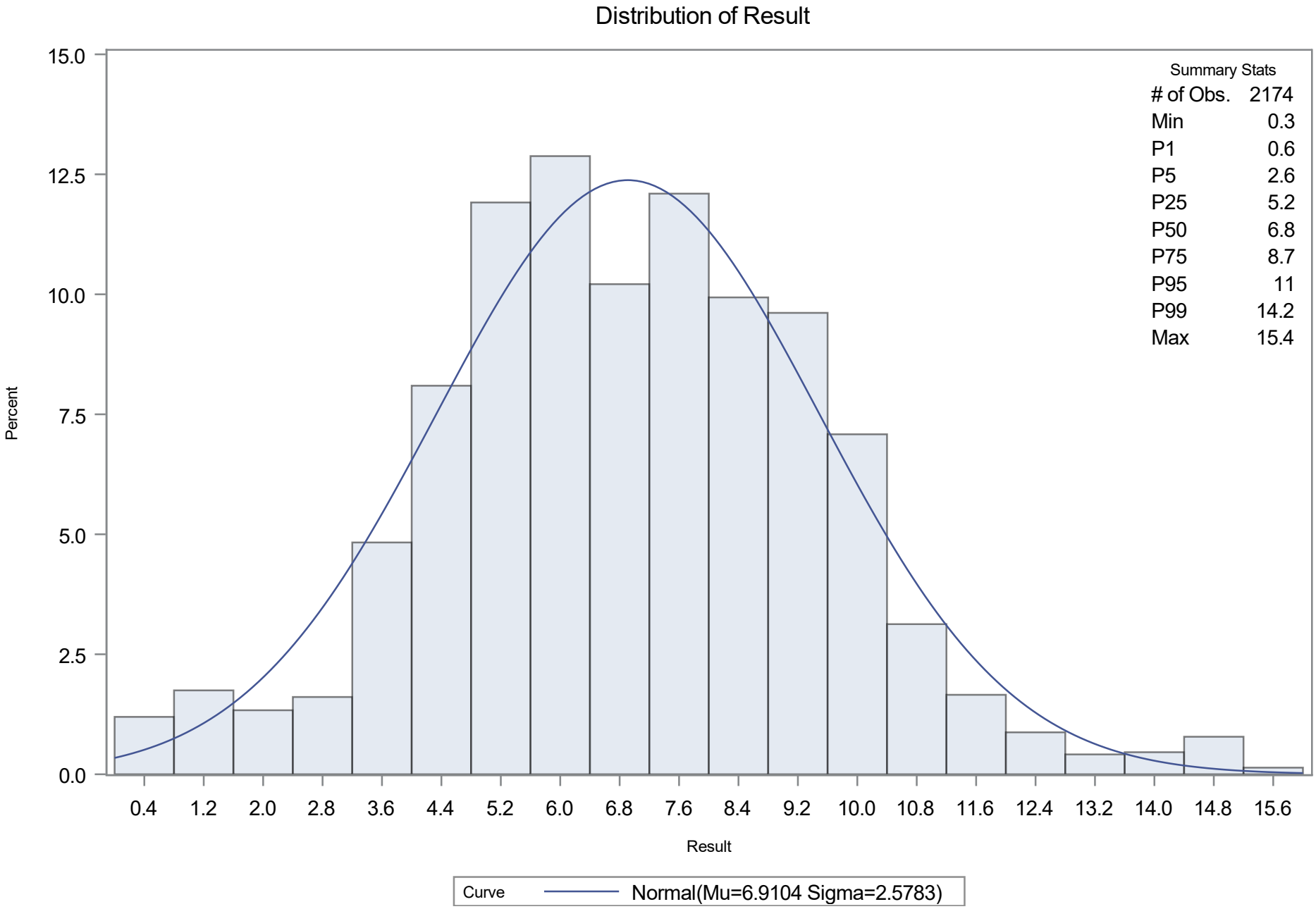
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Fowler 02304000
Result
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Fowler 02304000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Fowler 02304000

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.910418
Std Dev	Sigma	2.578274

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02963895	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29519838	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.59414420	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.60000	0.91246
5.0	2.60000	2.66954
10.0	3.90000	3.60623
25.0	5.20000	5.17140
50.0	6.80000	6.91042
75.0	8.70000	8.64944
90.0	10.00000	10.21461
95.0	11.00000	11.15130
99.0	14.20000	12.90838

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

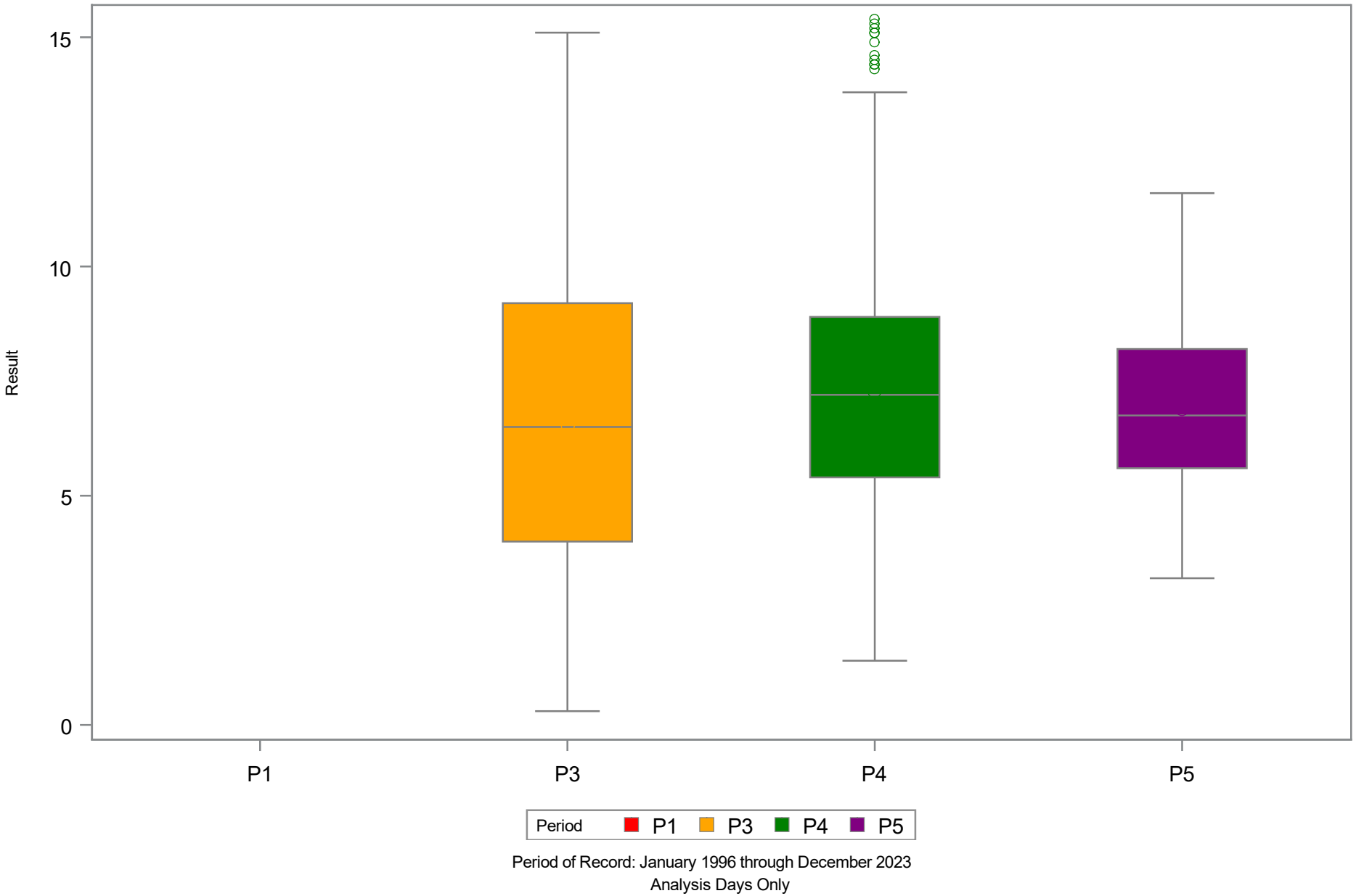
Distributional Statistics by Period for Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Fowler 02304000

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P3	697	0.30	4.00	6.54	6.50	9.20	15.10
P4	785	1.40	5.40	7.27	7.20	8.90	15.40
P5	692	3.20	5.60	6.88	6.75	8.20	11.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

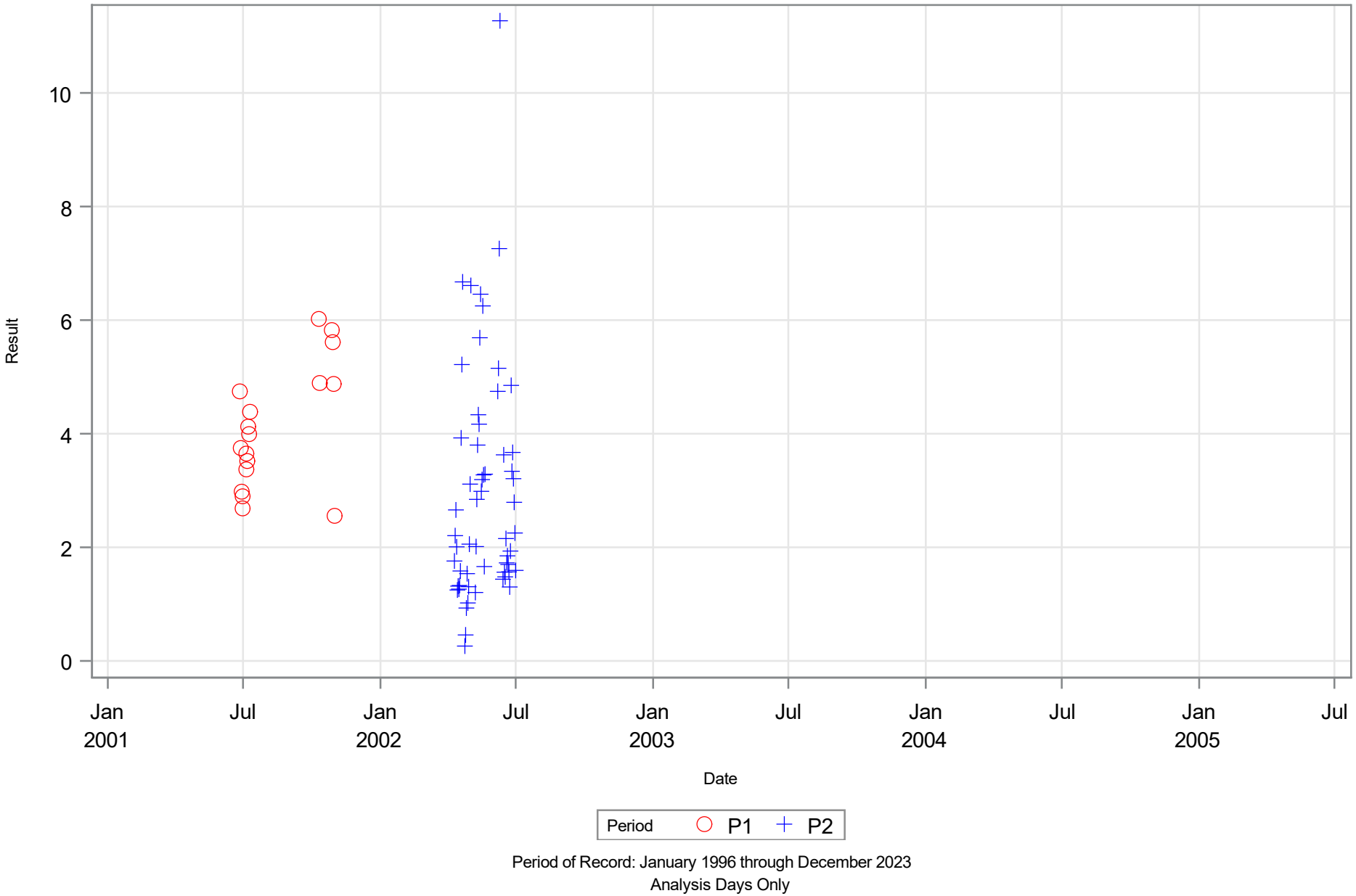
Boxplot by MFL Period for Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Fowler 02304000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

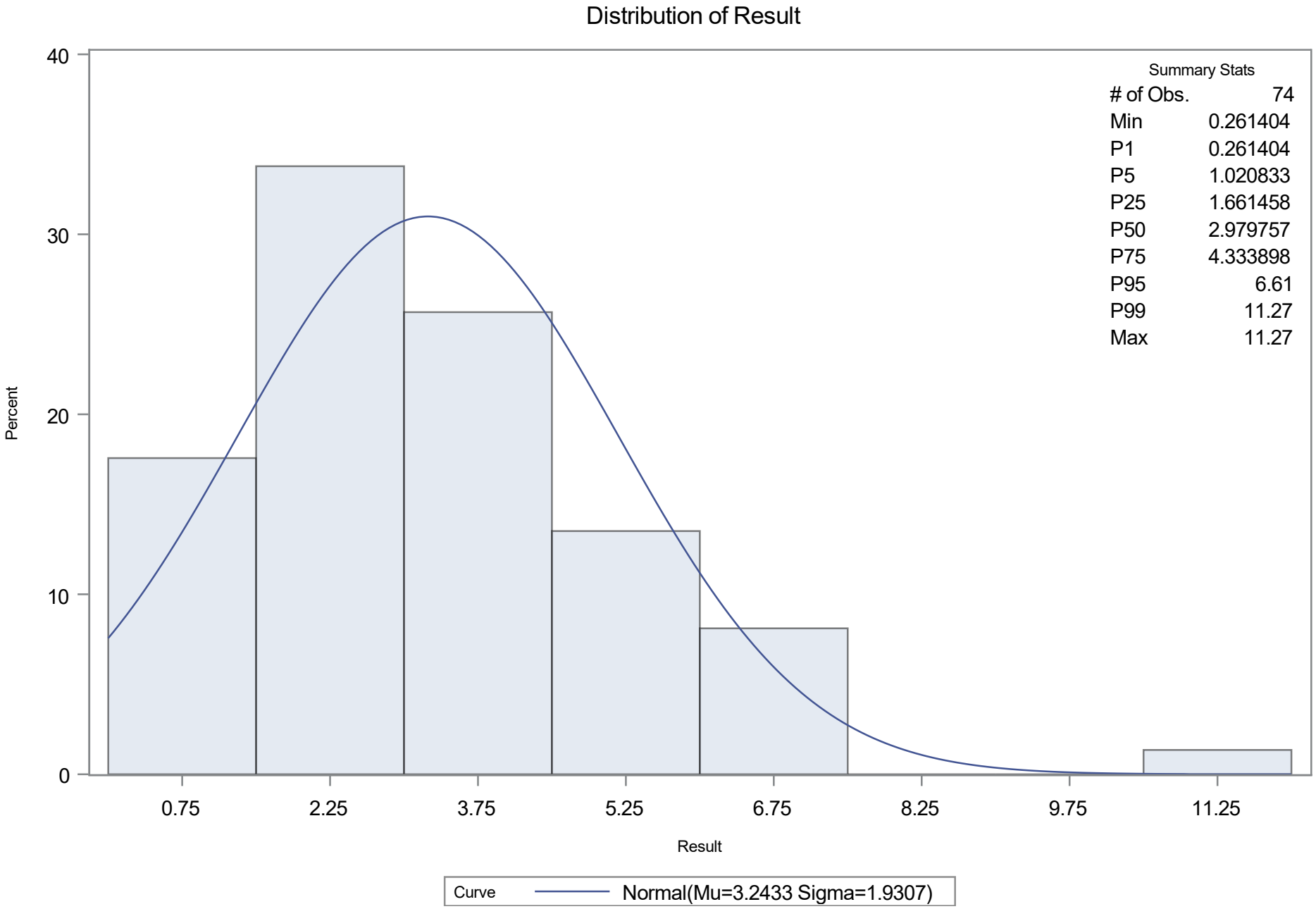
Timeseries of Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.243263
Std Dev	Sigma	1.930721

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10156018	**Pr > D**	0.058
Cramer-von Mises	**W-Sq**	0.19778359	**Pr > W-Sq**	0.005
Anderson-Darling	**A-Sq**	1.31807372	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.26140	-1.24827
5.0	1.02083	0.06751
10.0	1.30208	0.76894
25.0	1.66146	1.94101
50.0	2.97976	3.24326
75.0	4.33390	4.54551
90.0	5.82292	5.71758
95.0	6.61000	6.41902
99.0	11.27000	7.73479

Period of Record: January 1996 through December 2023
Analysis Days Only

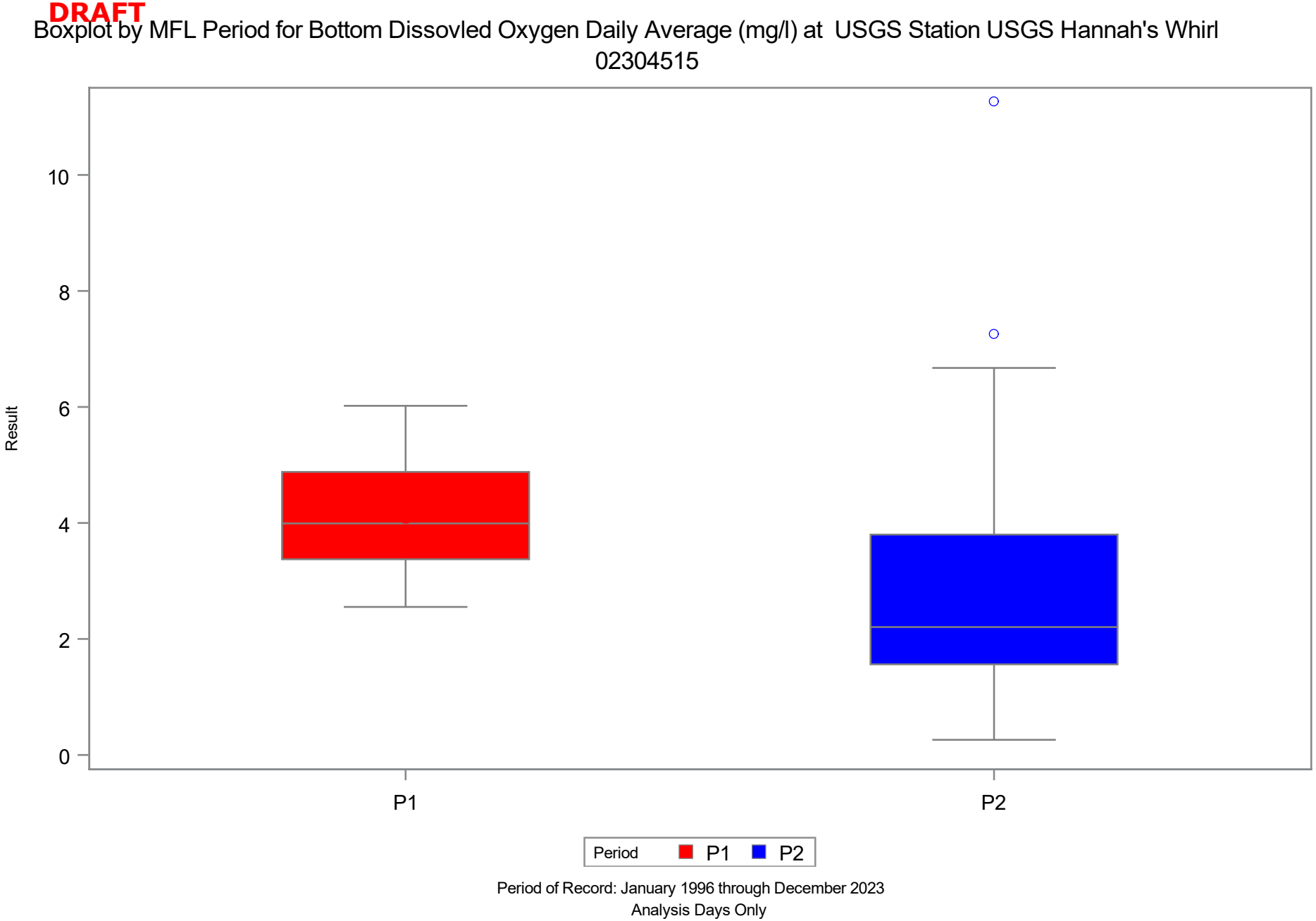
DRAFT

Distributional Statistics by Period for Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	17	2.55	3.37	4.11	3.99	4.88	6.02
P2	57	0.26	1.56	2.98	2.21	3.80	11.27

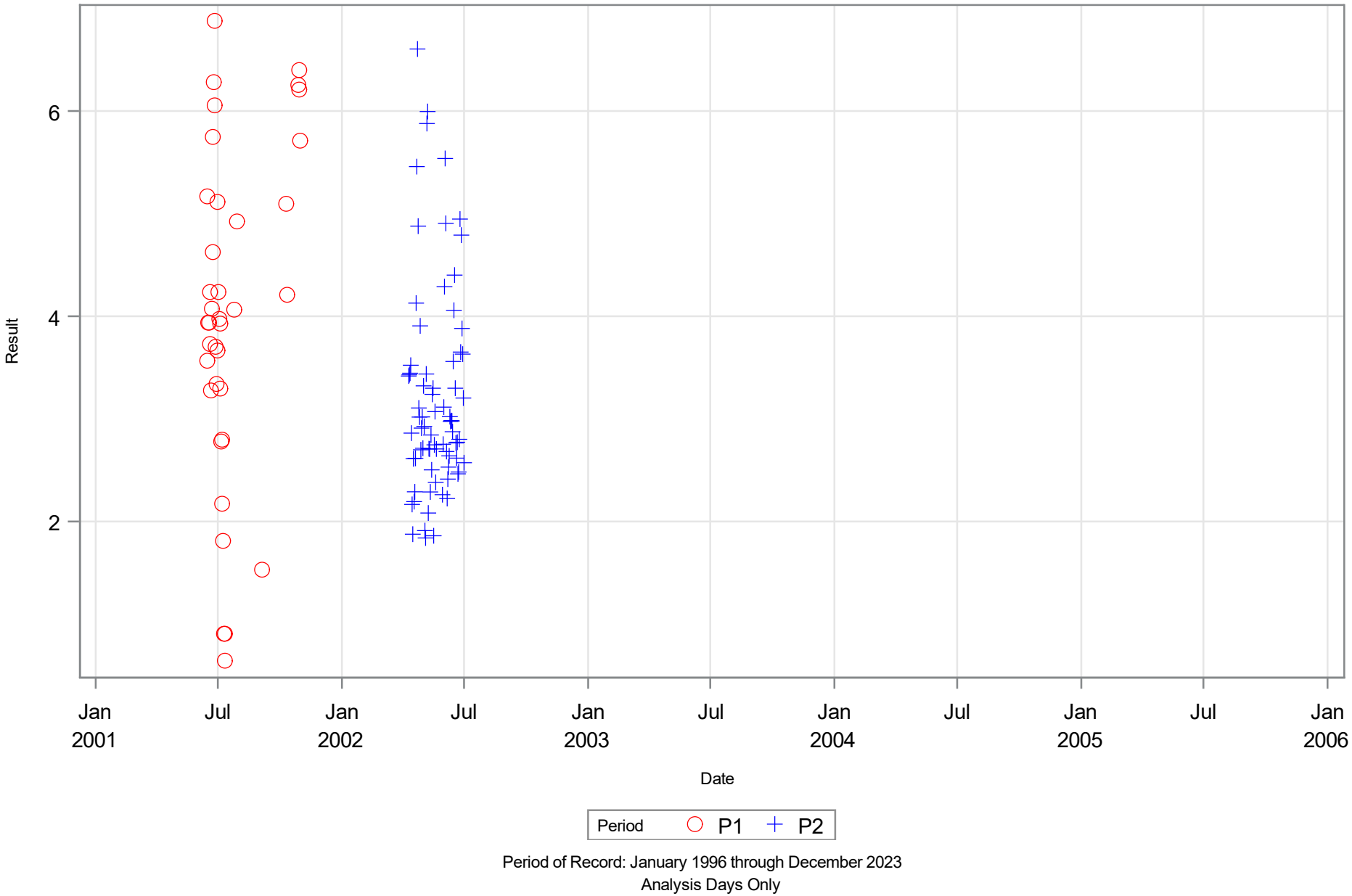
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515
Result
10
8
6
4
2
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

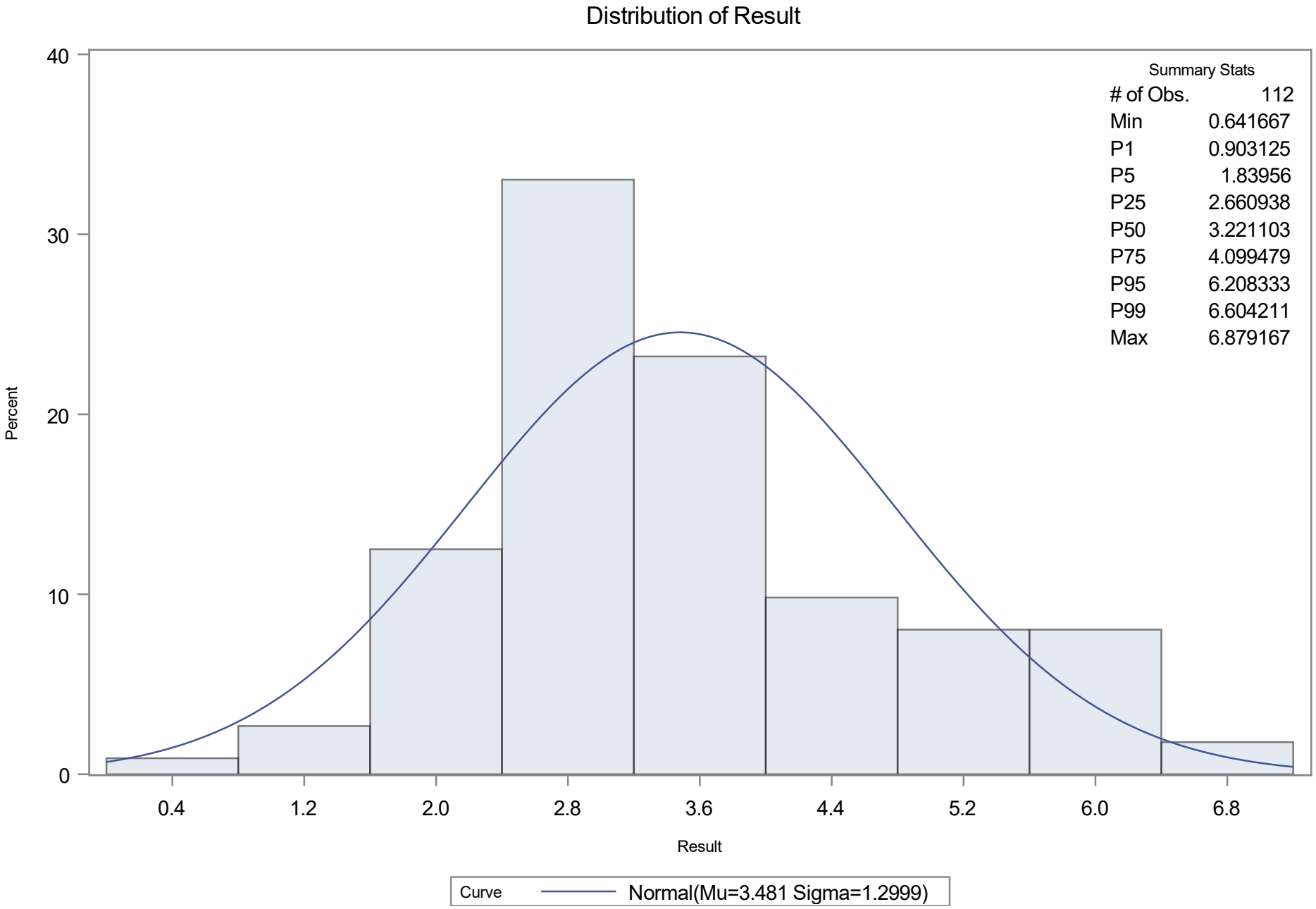
Timeseries of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.481016
Std Dev	Sigma	1.299855

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10933056	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.38394891	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.19303481	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.90312	0.45710
5.0	1.83956	1.34295
10.0	2.16979	1.81519
25.0	2.66094	2.60428
50.0	3.22110	3.48102
75.0	4.09948	4.35775
90.0	5.53750	5.14685
95.0	6.20833	5.61909
99.0	6.60421	6.50493

Period of Record: January 1996 through December 2023
Analysis Days Only

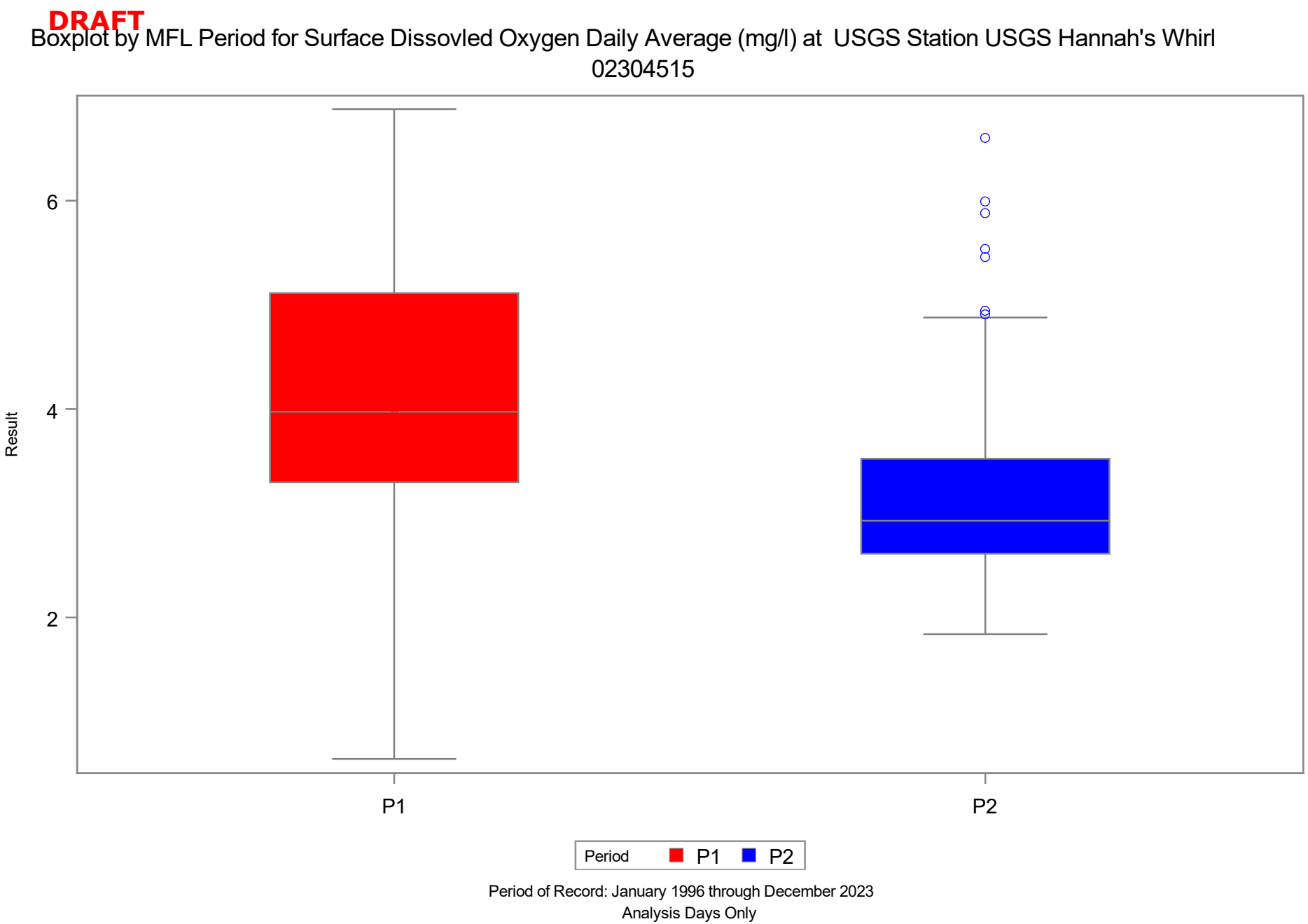
DRAFT

Distributional Statistics by Period for Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515

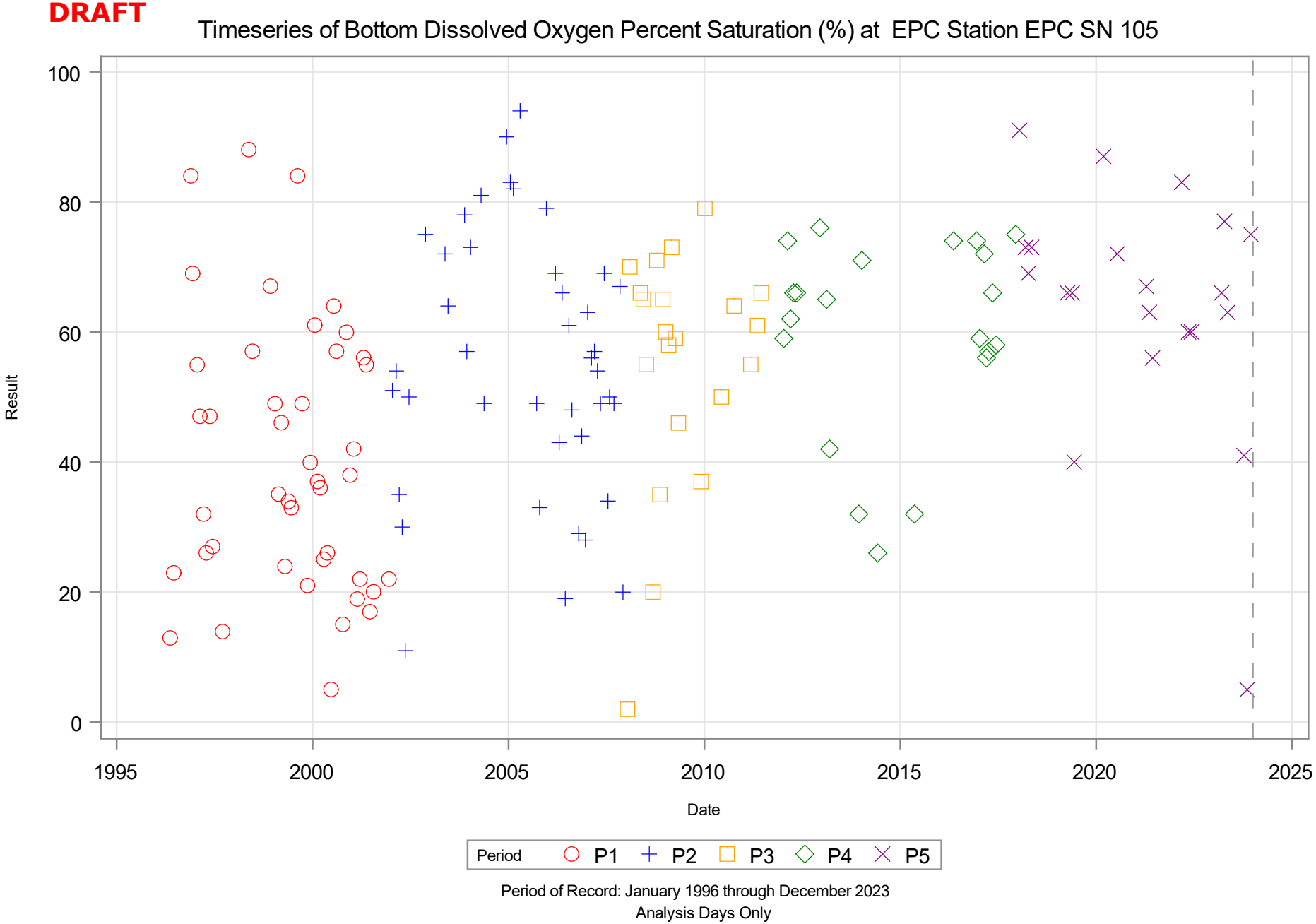
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	0.64	3.30	4.03	3.97	5.11	6.88
P2	75	1.84	2.61	3.21	2.93	3.52	6.60

Period of Record: January 1996 through December 2023
Analysis Days Only

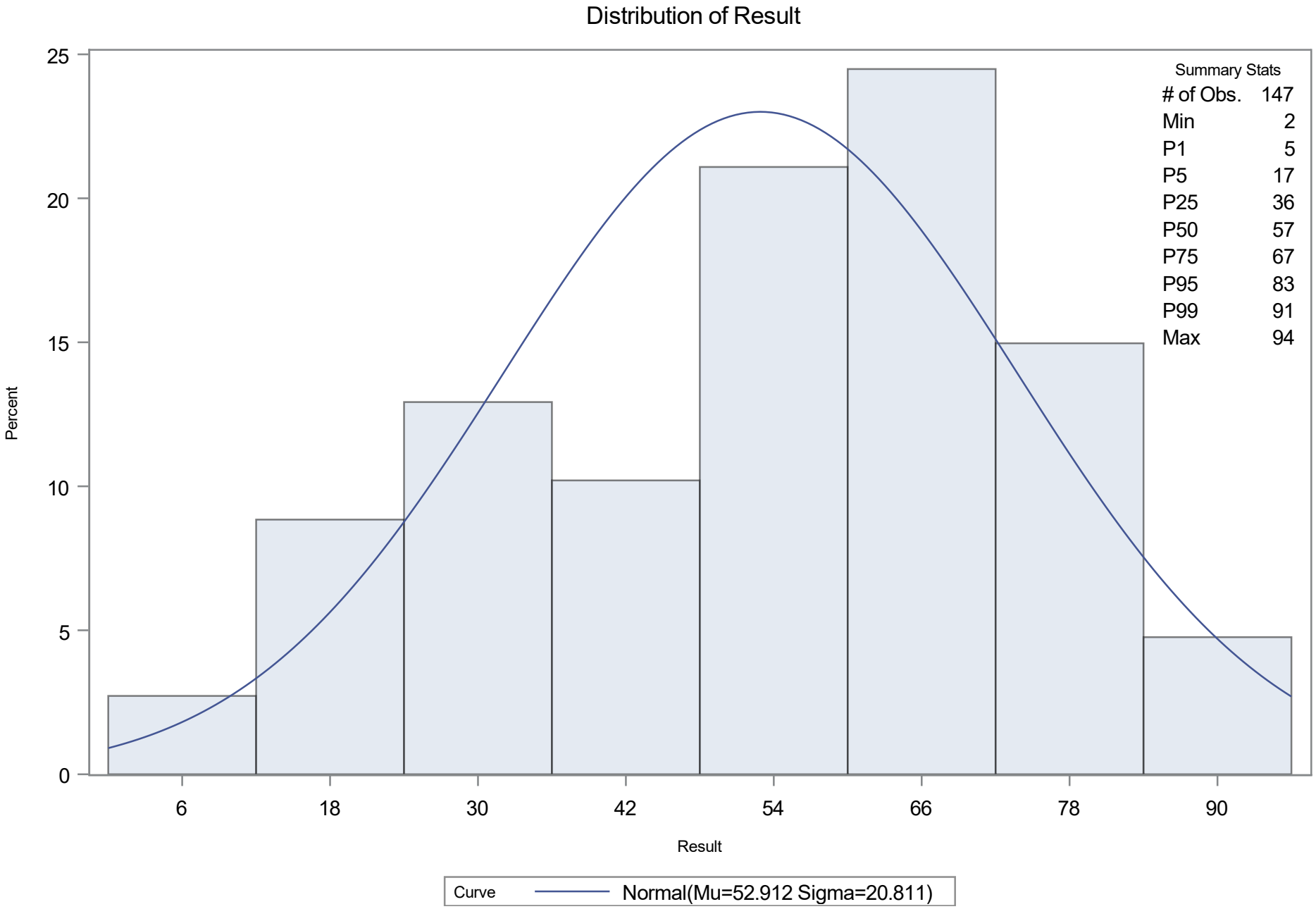
DRAFT


Boxplot by MFL Period for Surface Dissovled Oxygen Daily Average (mg/l) at USGS Station USGS Hannah's Whirl 02304515
Result
6
4
2
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105
Result
100
80
60
40
20
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	52.91156
Std Dev	Sigma	20.81126

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10459310	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.28779821	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.56206187	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.00000	4.49733
5.0	17.00000	18.68009
10.0	22.00000	26.24086
25.0	36.00000	38.87458
50.0	57.00000	52.91156
75.0	67.00000	66.94855
90.0	77.00000	79.58227
95.0	83.00000	87.14304
99.0	91.00000	101.32580

Period of Record: January 1996 through December 2023
Analysis Days Only

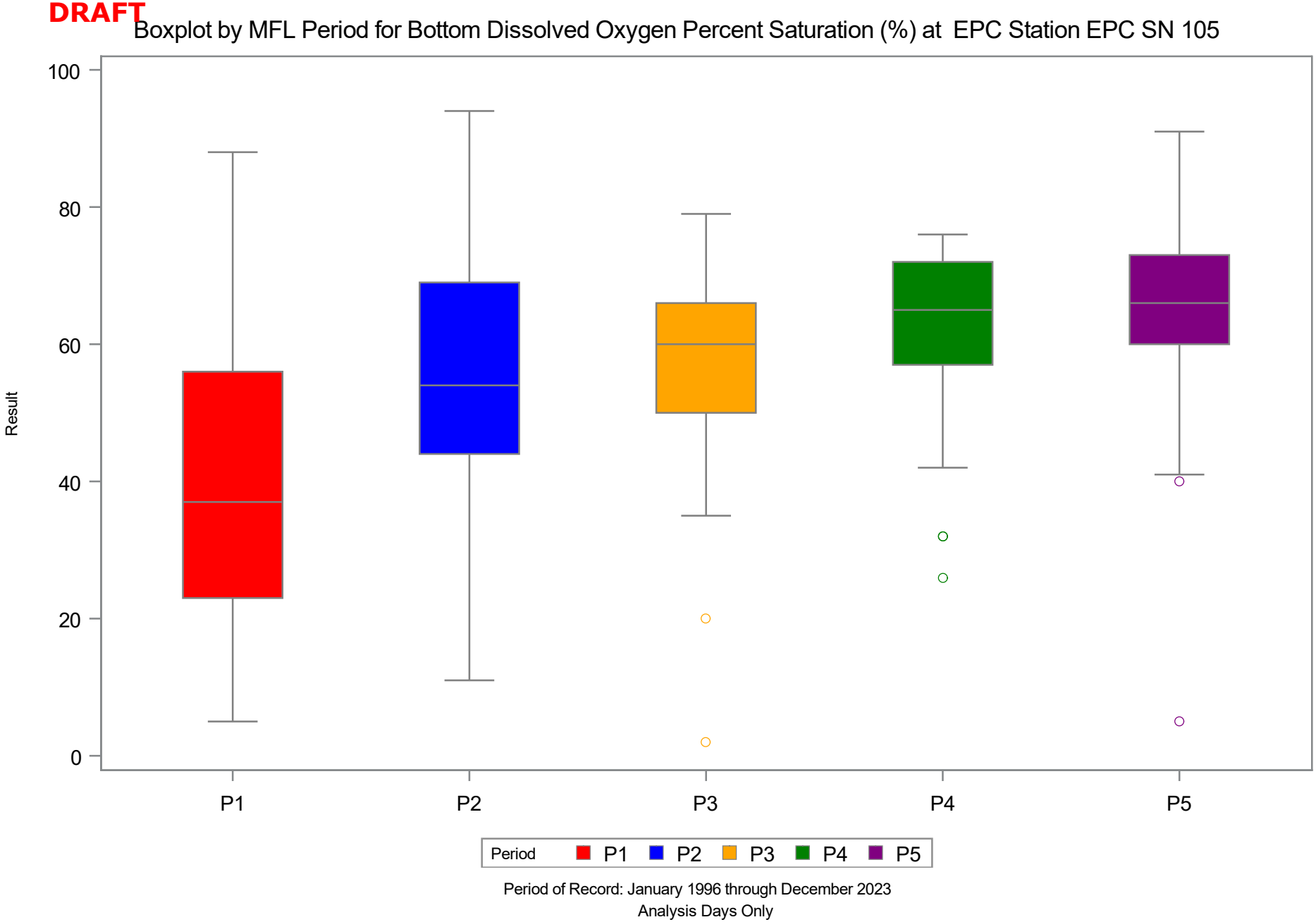
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	5.00	23.00	40.49	37.00	56.00	88.00
P2	41	11.00	44.00	55.24	54.00	69.00	94.00
P3	21	2.00	50.00	55.10	60.00	66.00	79.00
P4	21	26.00	57.00	60.10	65.00	72.00	76.00
P5	21	5.00	60.00	64.43	66.00	73.00	91.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

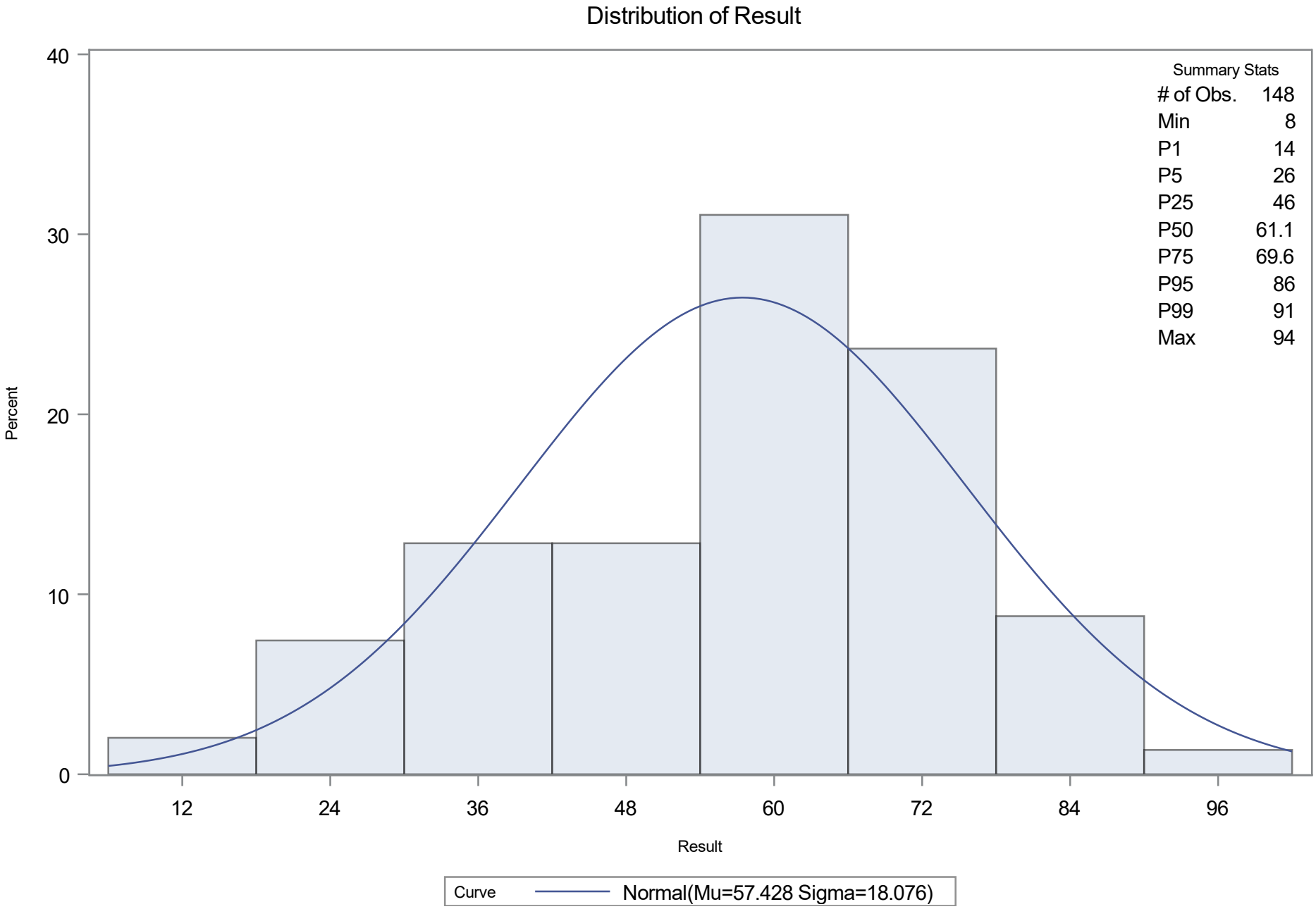

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105
Result
100
80
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	57.4277
Std Dev	Sigma	18.07566

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11260350	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.30245566	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.55931039	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.0000	15.3774
5.0	26.0000	27.6959
10.0	30.0000	34.2628
25.0	46.0000	45.2359
50.0	61.1000	57.4277
75.0	69.6000	69.6196
90.0	80.2000	80.5926
95.0	86.0000	87.1595
99.0	91.0000	99.4780

Period of Record: January 1996 through December 2023
Analysis Days Only

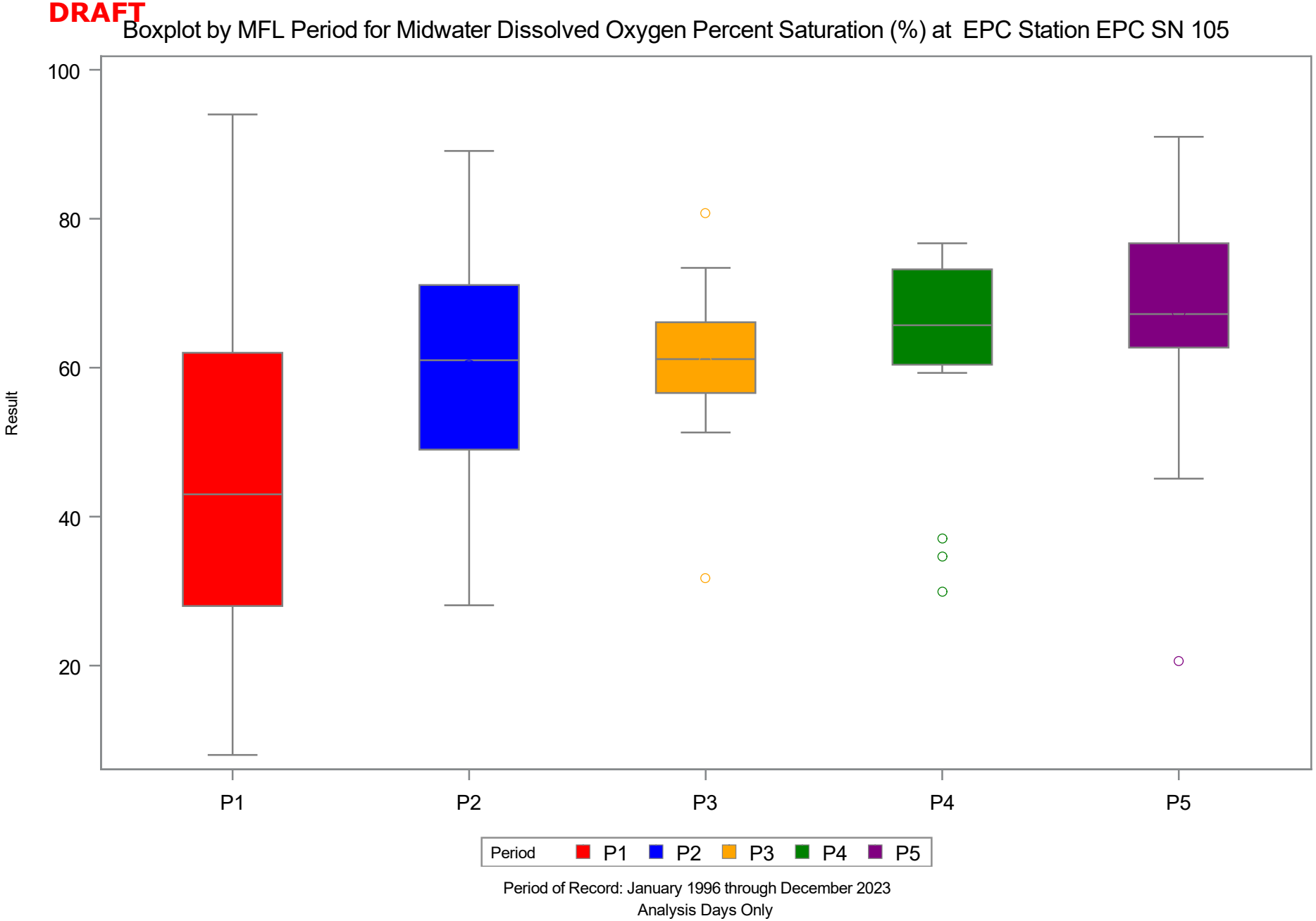
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	8.00	28.00	45.47	43.00	62.00	94.00
P2	41	28.10	49.00	60.14	61.00	71.10	89.10
P3	22	31.70	56.60	60.75	61.15	66.10	80.80
P4	21	29.90	60.40	63.10	65.70	73.20	76.70
P5	21	20.60	62.70	67.48	67.20	76.70	91.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

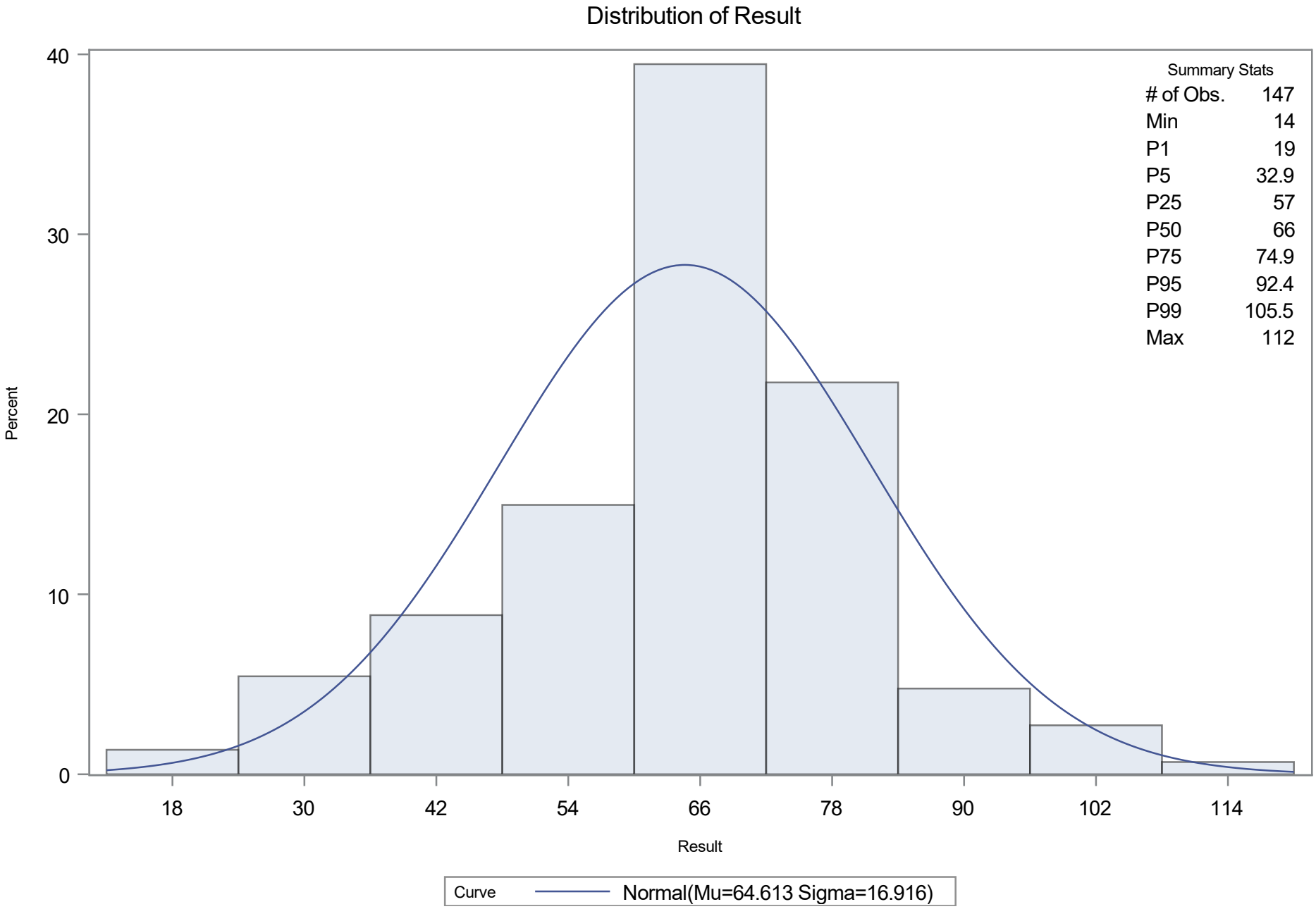

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105
Result
100
80
60
40
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	64.61293
Std Dev	Sigma	16.91564

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08890477	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26860565	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.46520341	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19.0000	25.2613
5.0	32.9000	36.7892
10.0	40.0000	42.9347
25.0	57.0000	53.2035
50.0	66.0000	64.6129
75.0	74.9000	76.0223
90.0	83.3000	86.2912
95.0	92.4000	92.4367
99.0	105.5000	103.9646

Period of Record: January 1996 through December 2023
Analysis Days Only

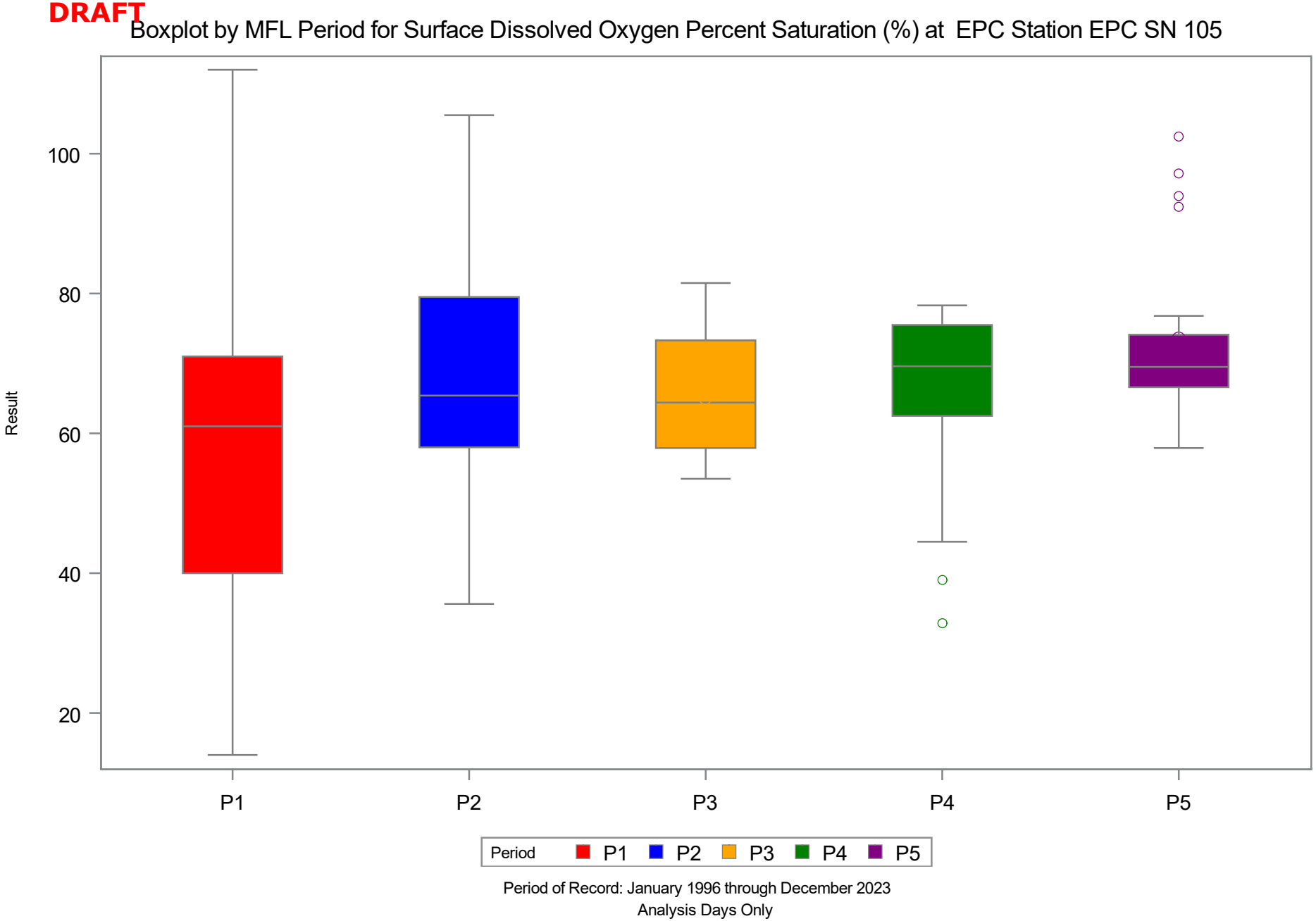
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105

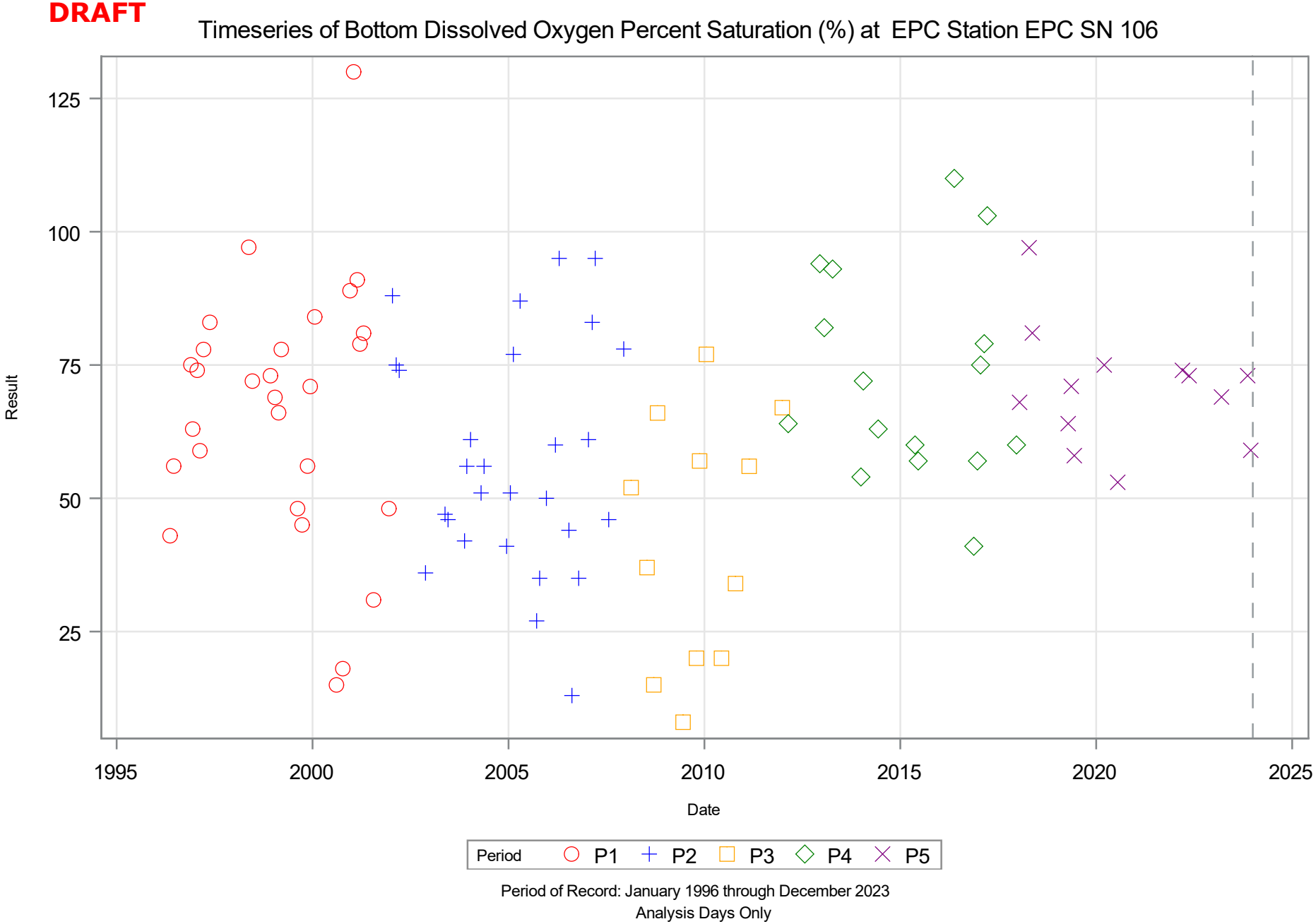
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	14.00	40.00	56.84	61.00	71.00	112.00
P2	41	35.60	58.00	67.19	65.40	79.50	105.50
P3	21	53.50	57.90	65.11	64.40	73.30	81.50
P4	21	32.90	62.50	66.03	69.60	75.50	78.30
P5	21	57.90	66.60	73.58	69.50	74.10	102.40

Period of Record: January 1996 through December 2023
Analysis Days Only

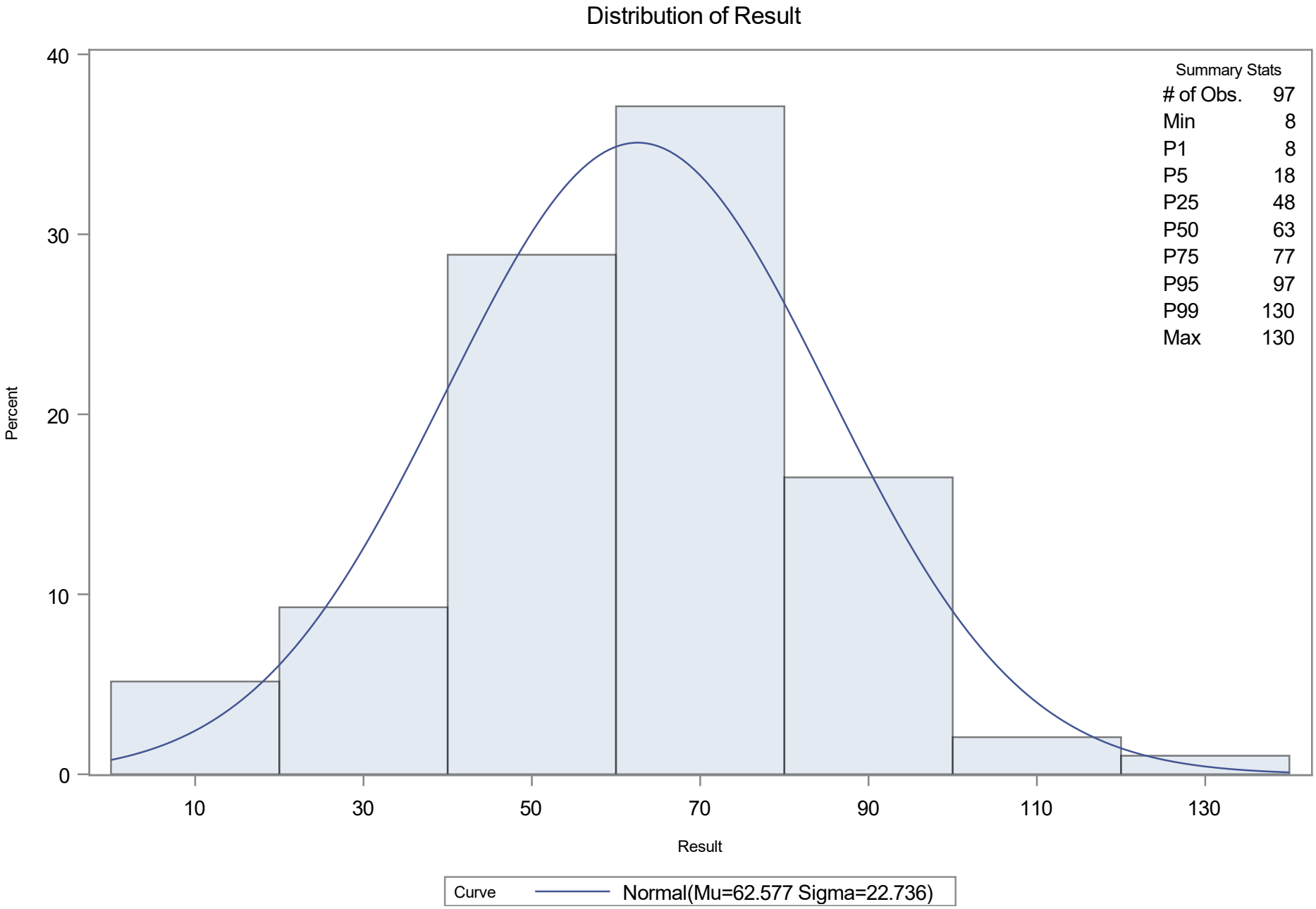
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 105
Result
100
80
60
40
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106
Result
125
100
75
50
25
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	62.57732
Std Dev	Sigma	22.73618

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06659263	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05319692	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37502940	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8.00000	9.68505
5.0	18.00000	25.17962
10.0	34.00000	33.43973
25.0	48.00000	47.24200
50.0	63.00000	62.57732
75.0	77.00000	77.91264
90.0	91.00000	91.71491
95.0	97.00000	99.97501
99.0	130.00000	115.46959

Period of Record: January 1996 through December 2023
Analysis Days Only

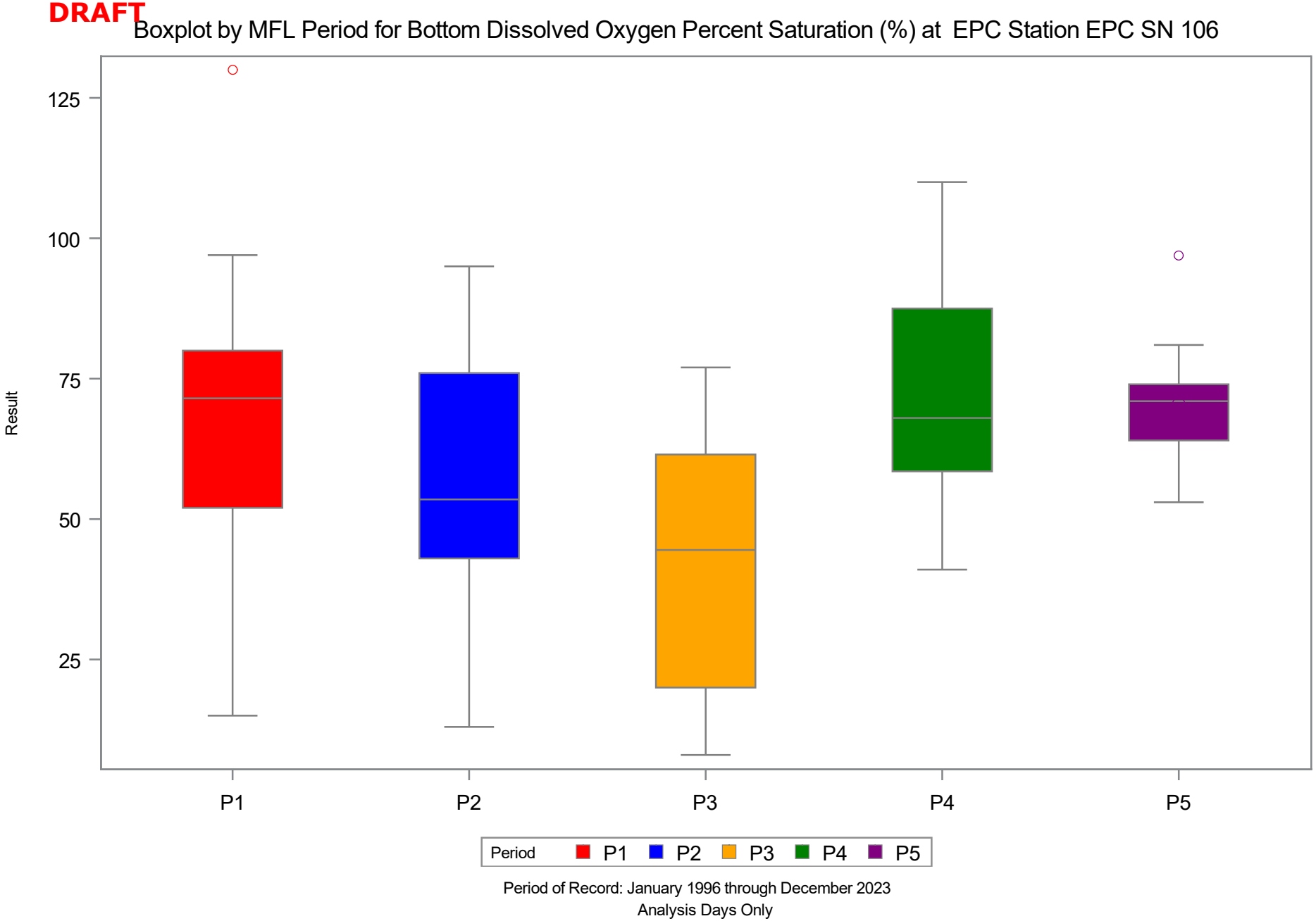
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106

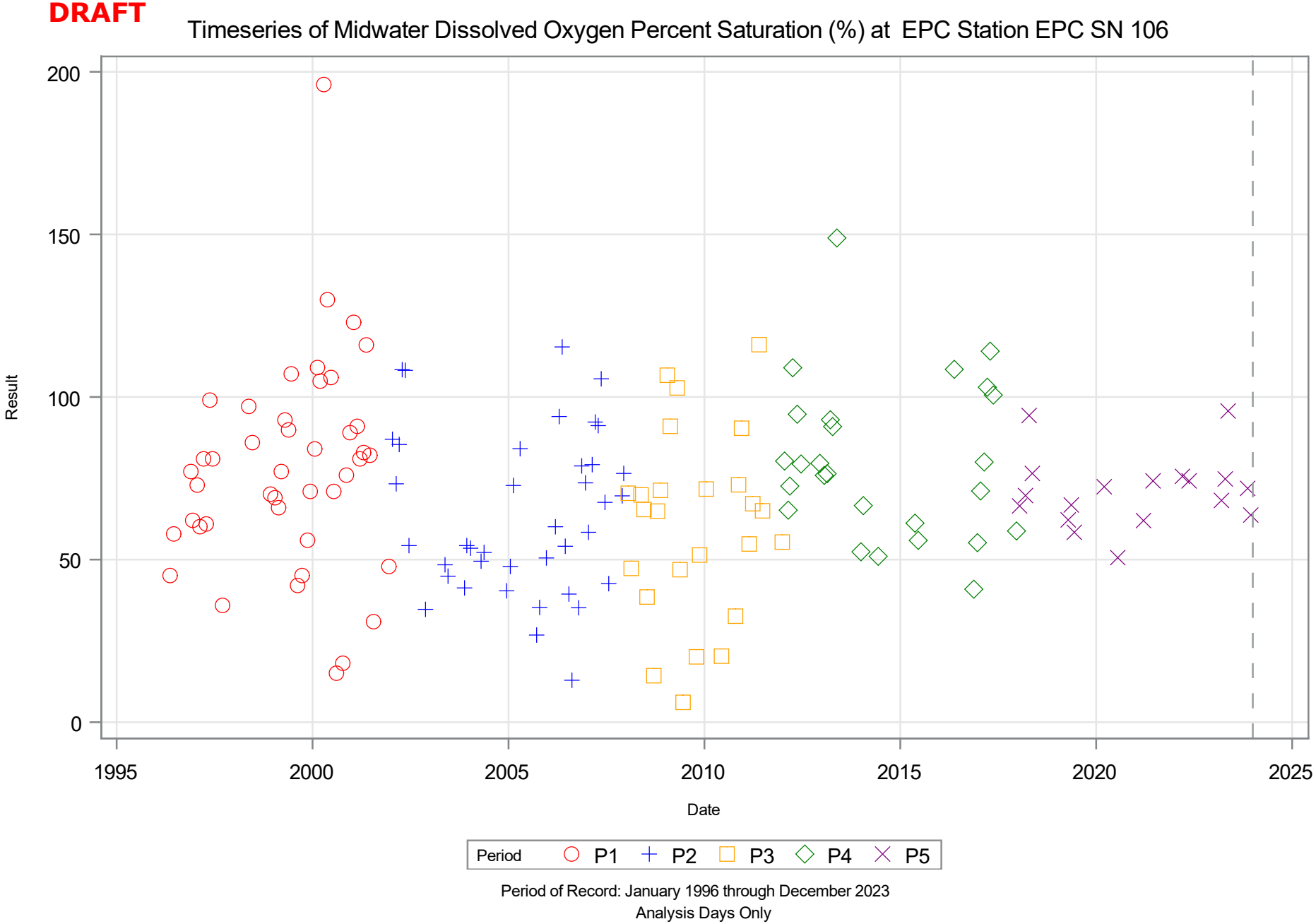
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	28	15.00	52.00	66.86	71.50	80.00	130.00
P2	28	13.00	43.00	57.50	53.50	76.00	95.00
P3	12	8.00	20.00	42.42	44.50	61.50	77.00
P4	16	41.00	58.50	72.75	68.00	87.50	110.00
P5	13	53.00	64.00	70.38	71.00	74.00	97.00

Period of Record: January 1996 through December 2023
Analysis Days Only

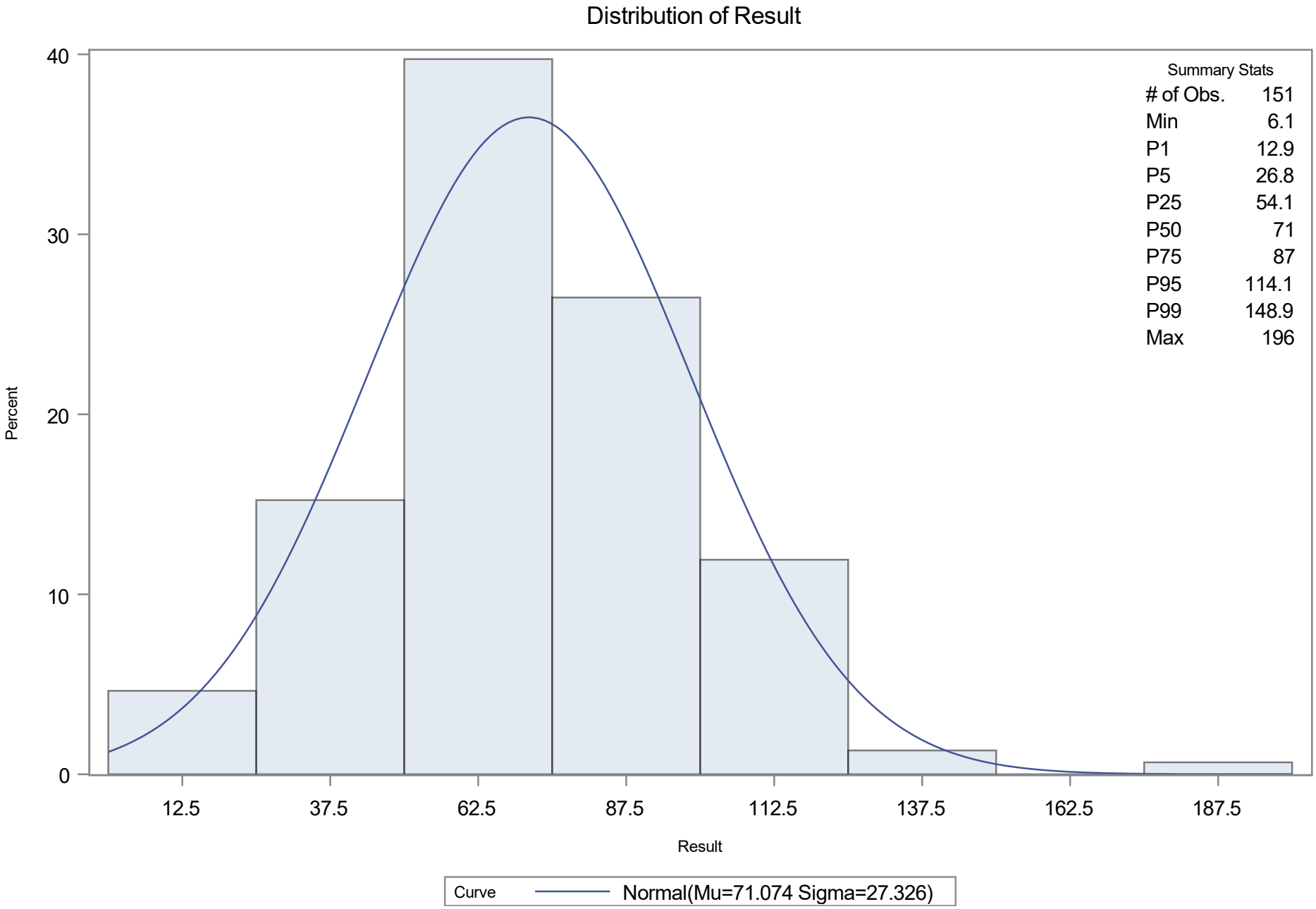
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106
Result
125
100
75
50
25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106
Result
200
150
100
50
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	71.07351
Std Dev	Sigma	27.32566

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06681228	**Pr > D**	0.096
Cramer-von Mises	**W-Sq**	0.09254868	**Pr > W-Sq**	0.143
Anderson-Darling	**A-Sq**	0.56070477	**Pr > A-Sq**	0.148

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.9000	7.50451
5.0	26.8000	26.12679
10.0	39.4000	36.05426
25.0	54.1000	52.64263
50.0	71.0000	71.07351
75.0	87.0000	89.50439
90.0	106.0000	106.09276
95.0	114.1000	116.02022
99.0	148.9000	134.64251

Period of Record: January 1996 through December 2023
Analysis Days Only

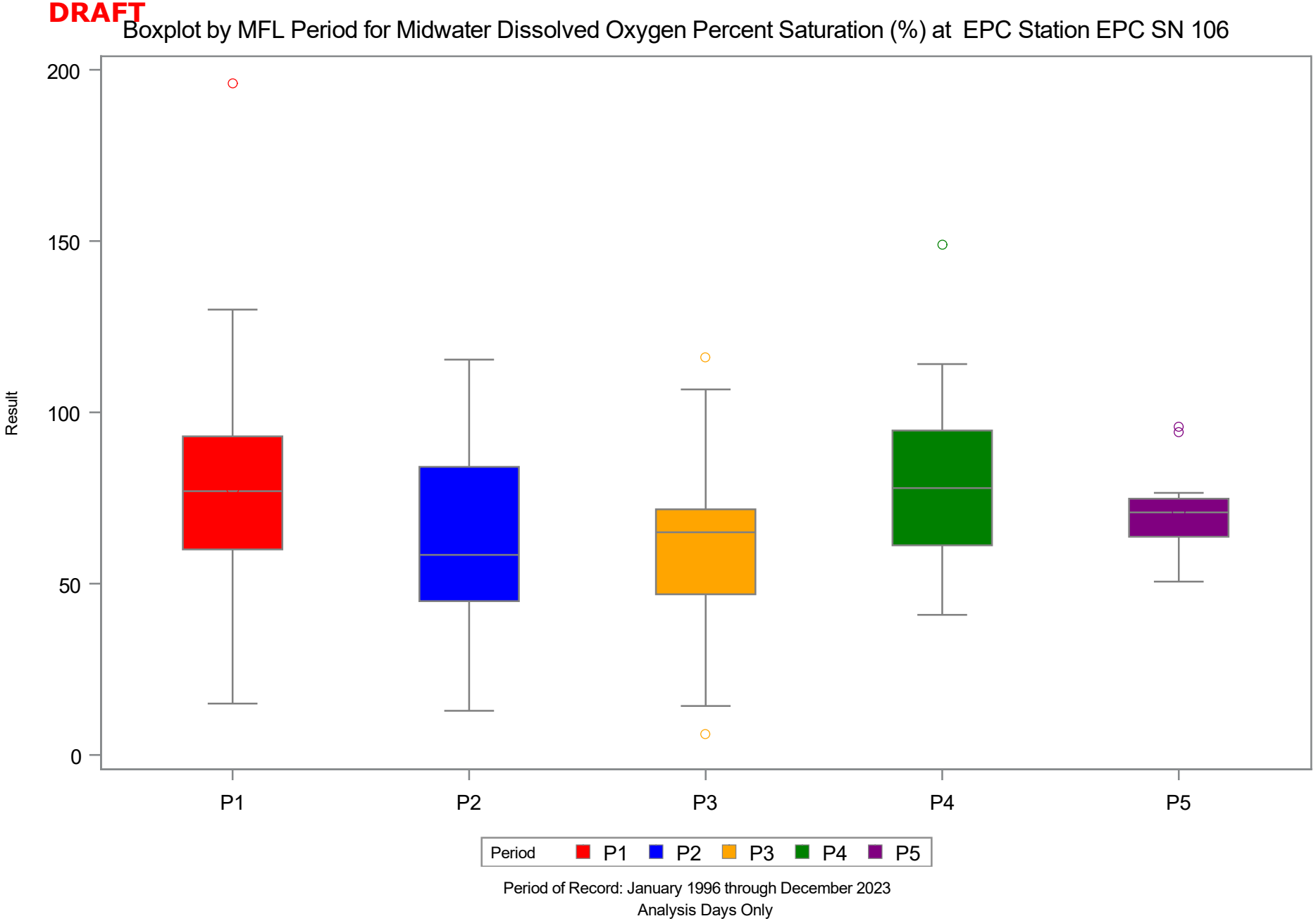
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106

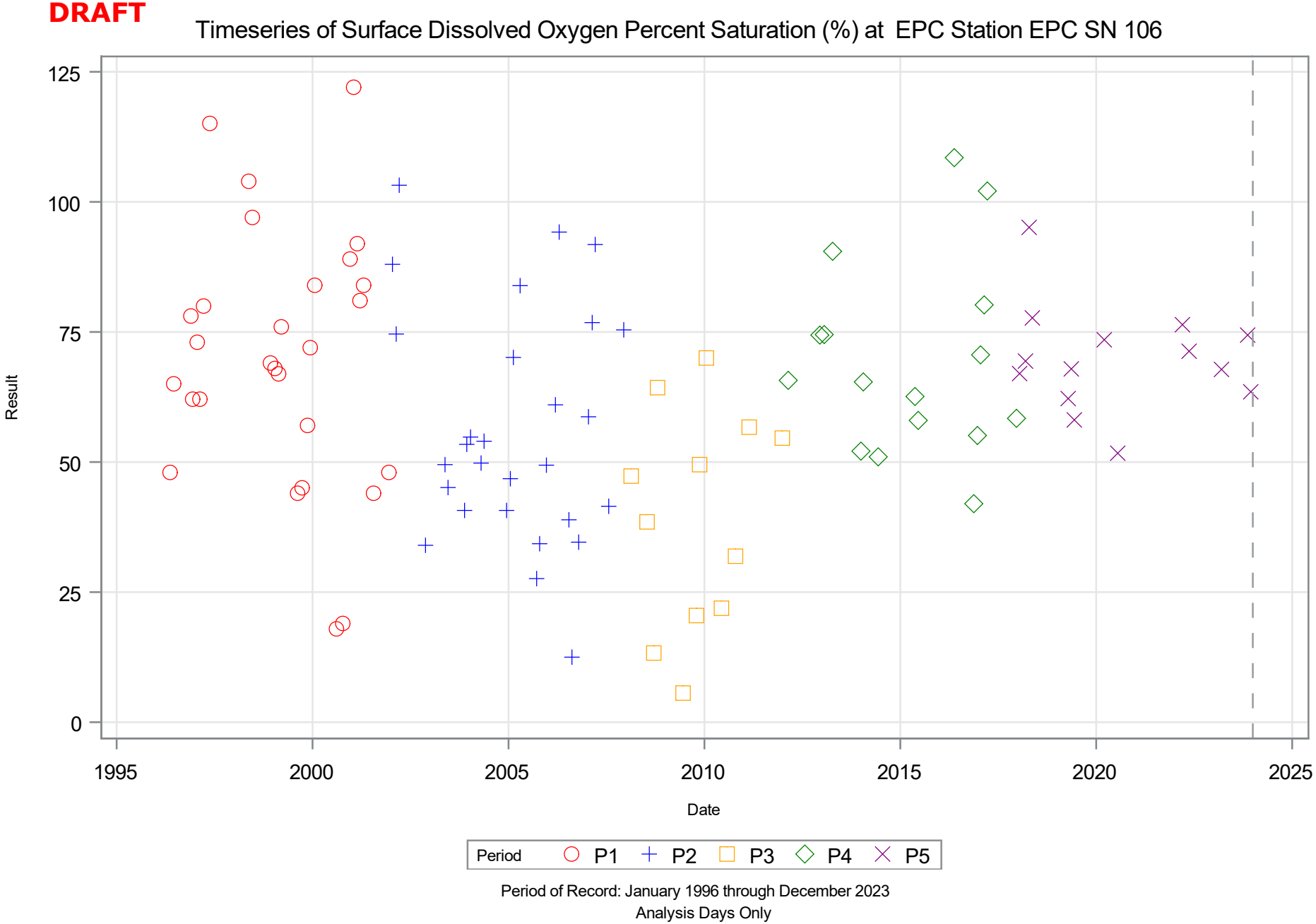
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	15.00	60.00	78.05	77.00	93.00	196.00
P2	39	12.90	44.90	64.09	58.40	84.10	115.40
P3	25	6.10	46.90	60.54	65.00	71.70	116.10
P4	26	40.90	61.20	80.20	77.90	94.70	148.90
P5	18	50.60	63.70	70.98	70.80	74.80	95.70

Period of Record: January 1996 through December 2023
Analysis Days Only

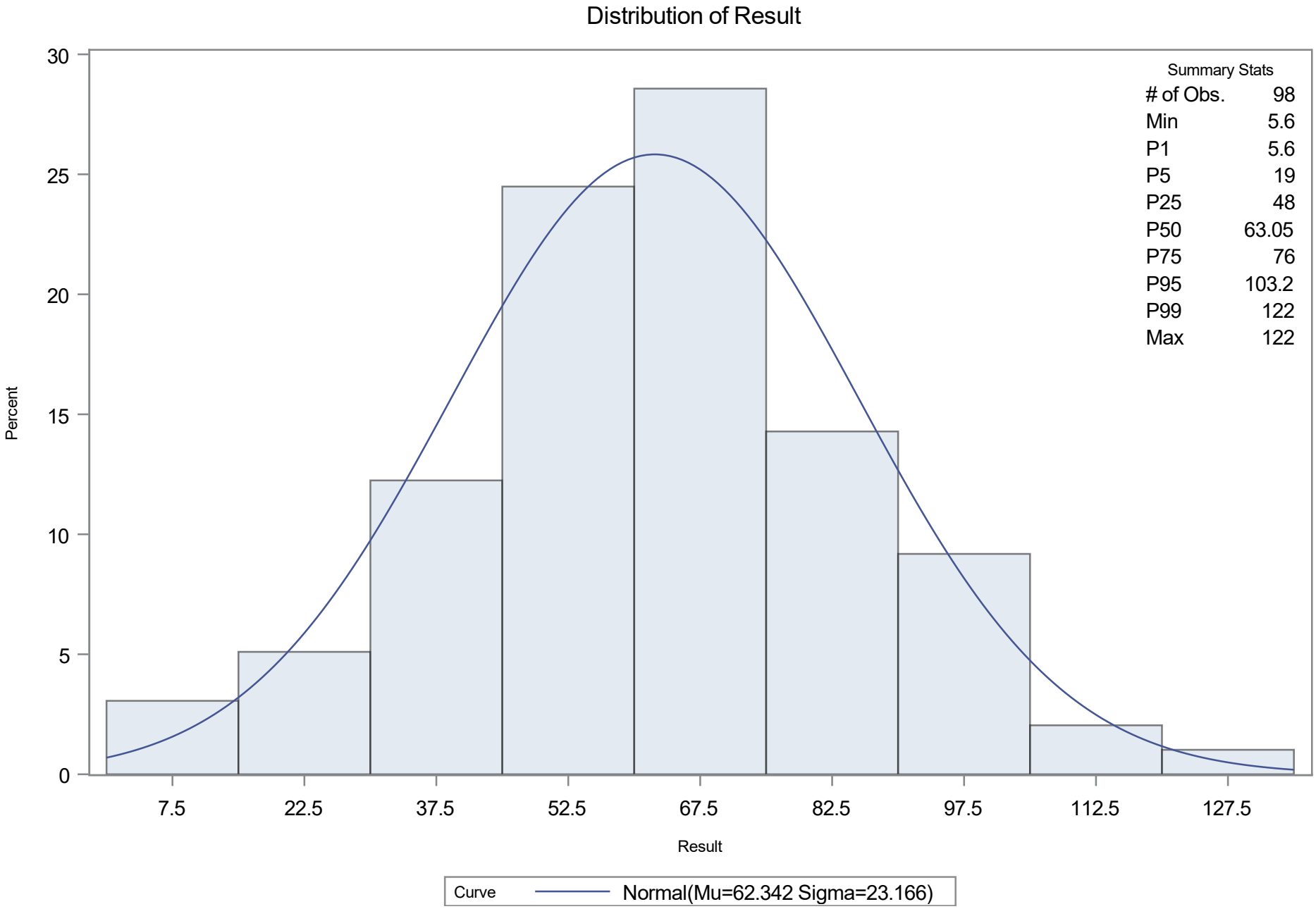
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106
Result
200
150
100
50
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106
Result
125
100
75
50
25
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	62.34184
Std Dev	Sigma	23.16633

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04546990	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02517237	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18216916	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.60000	8.44889
5.0	19.00000	24.23661
10.0	34.00000	32.65299
25.0	48.00000	46.71638
50.0	63.05000	62.34184
75.0	76.00000	77.96729
90.0	92.00000	92.03069
95.0	103.20000	100.44706
99.0	122.00000	116.23478

Period of Record: January 1996 through December 2023
Analysis Days Only

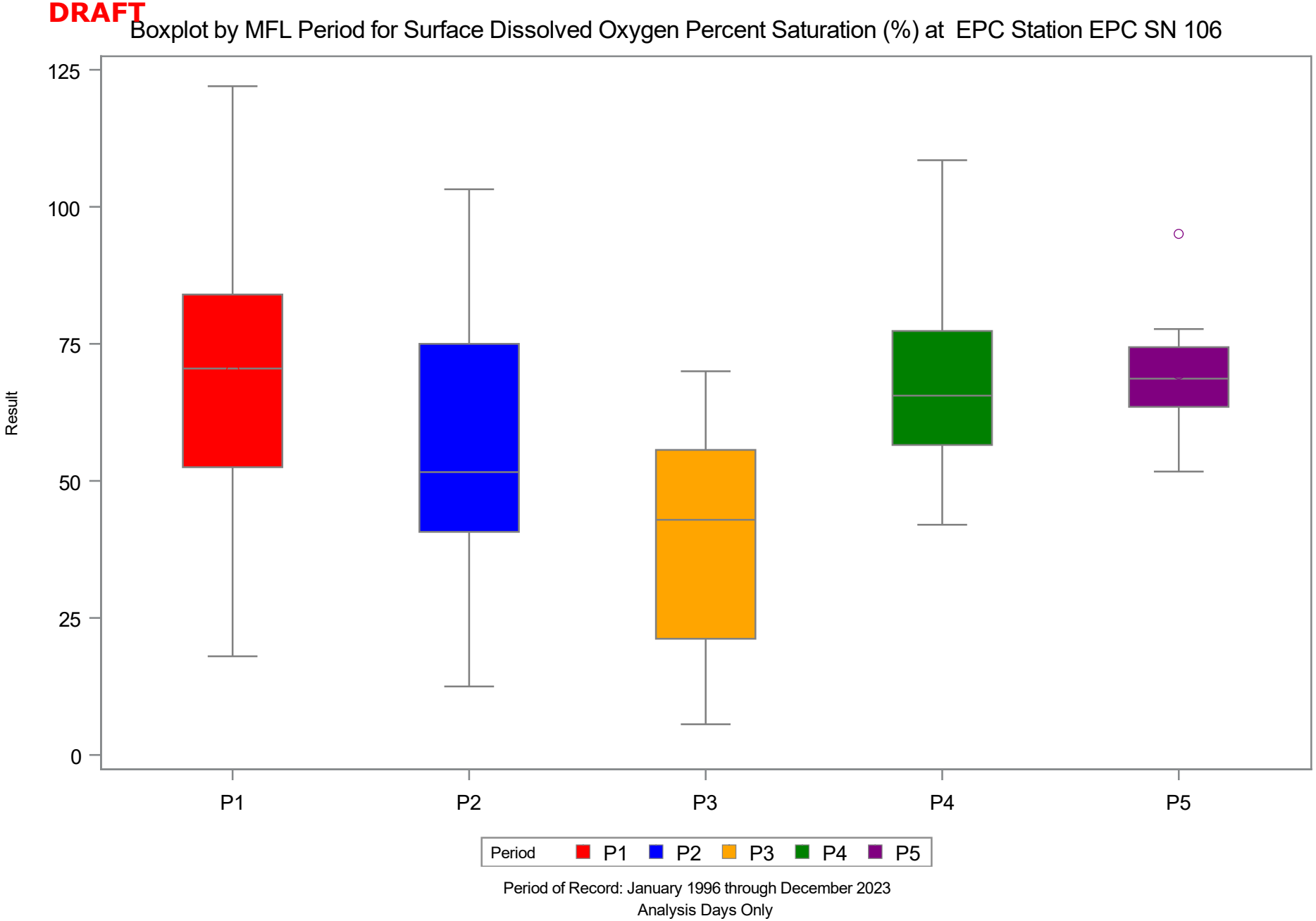
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106

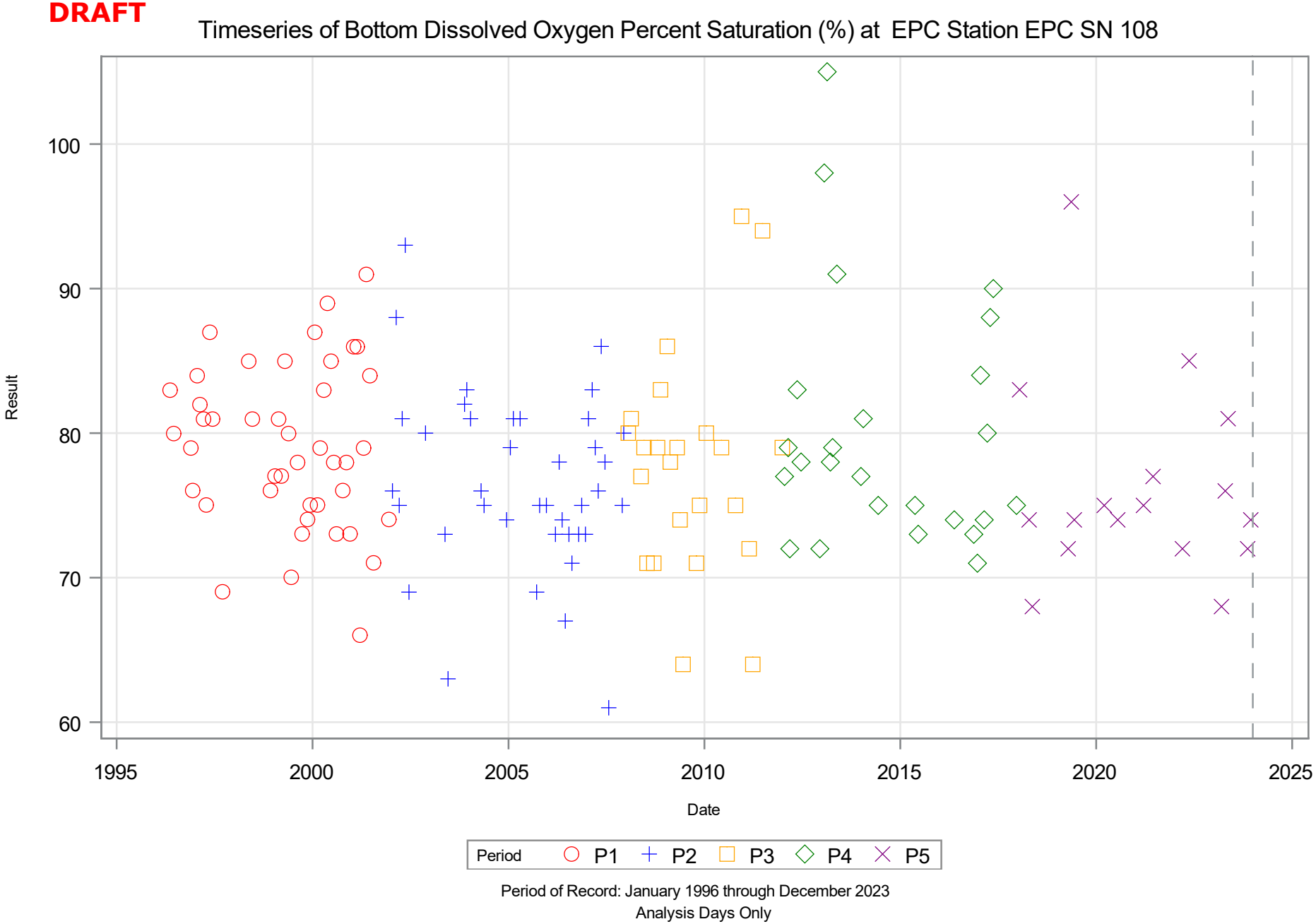
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	28	18.00	52.50	70.11	70.50	84.00	122.00
P2	28	12.50	40.70	56.62	51.60	75.00	103.20
P3	12	5.60	21.20	39.51	42.90	55.65	70.00
P4	16	42.00	56.55	69.44	65.55	77.35	108.50
P5	14	51.70	63.50	69.71	68.65	74.40	95.10

Period of Record: January 1996 through December 2023
Analysis Days Only

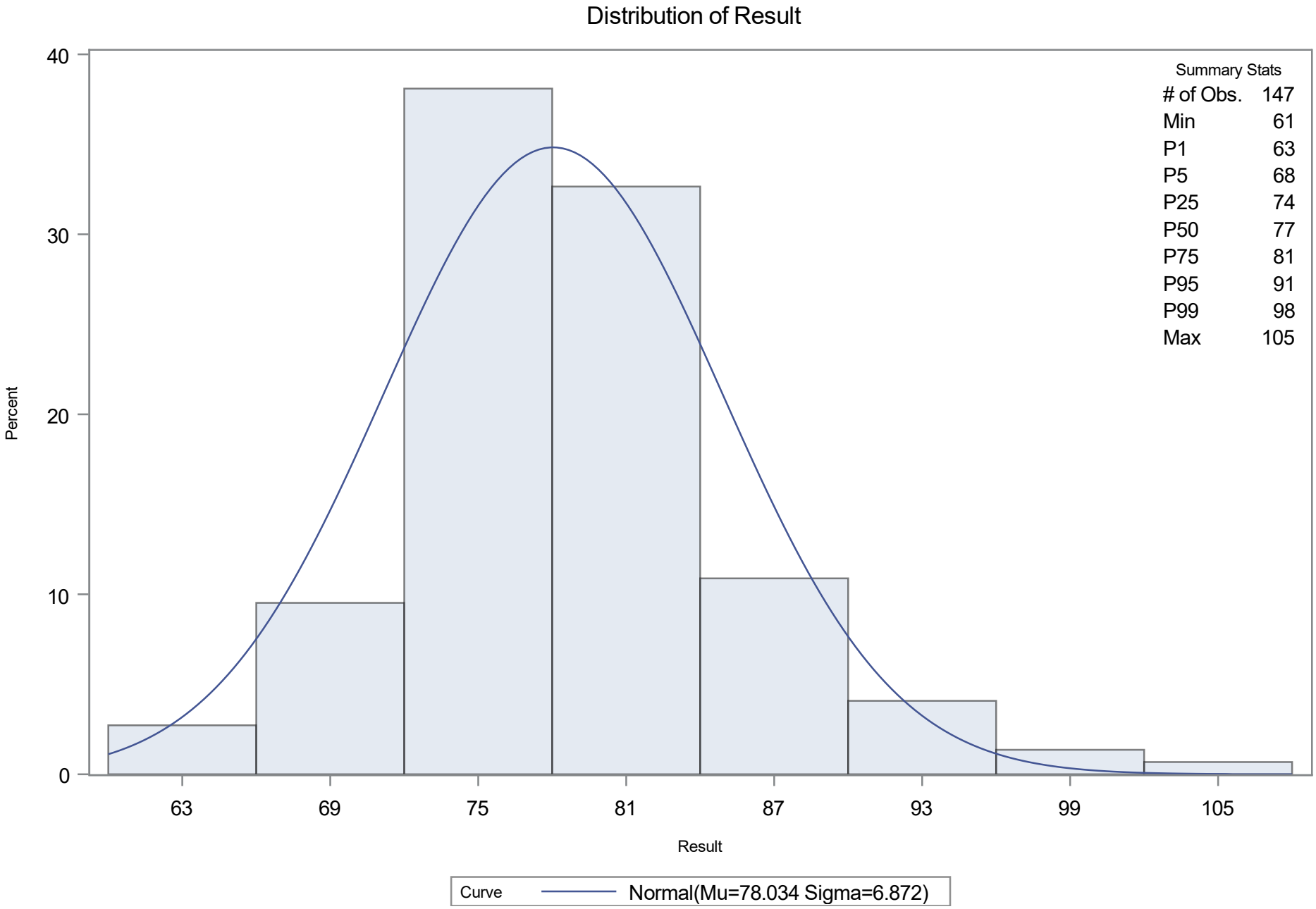
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 106
Result
125
100
75
50
25
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108
Result
100
90
80
70
60
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	78.03401
Std Dev	Sigma	6.872035

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10172271	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26280439	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.55432231	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	63.0000	62.0473
5.0	68.0000	66.7305
10.0	71.0000	69.2271
25.0	74.0000	73.3989
50.0	77.0000	78.0340
75.0	81.0000	82.6691
90.0	86.0000	86.8409
95.0	91.0000	89.3375
99.0	98.0000	94.0208

Period of Record: January 1996 through December 2023
Analysis Days Only

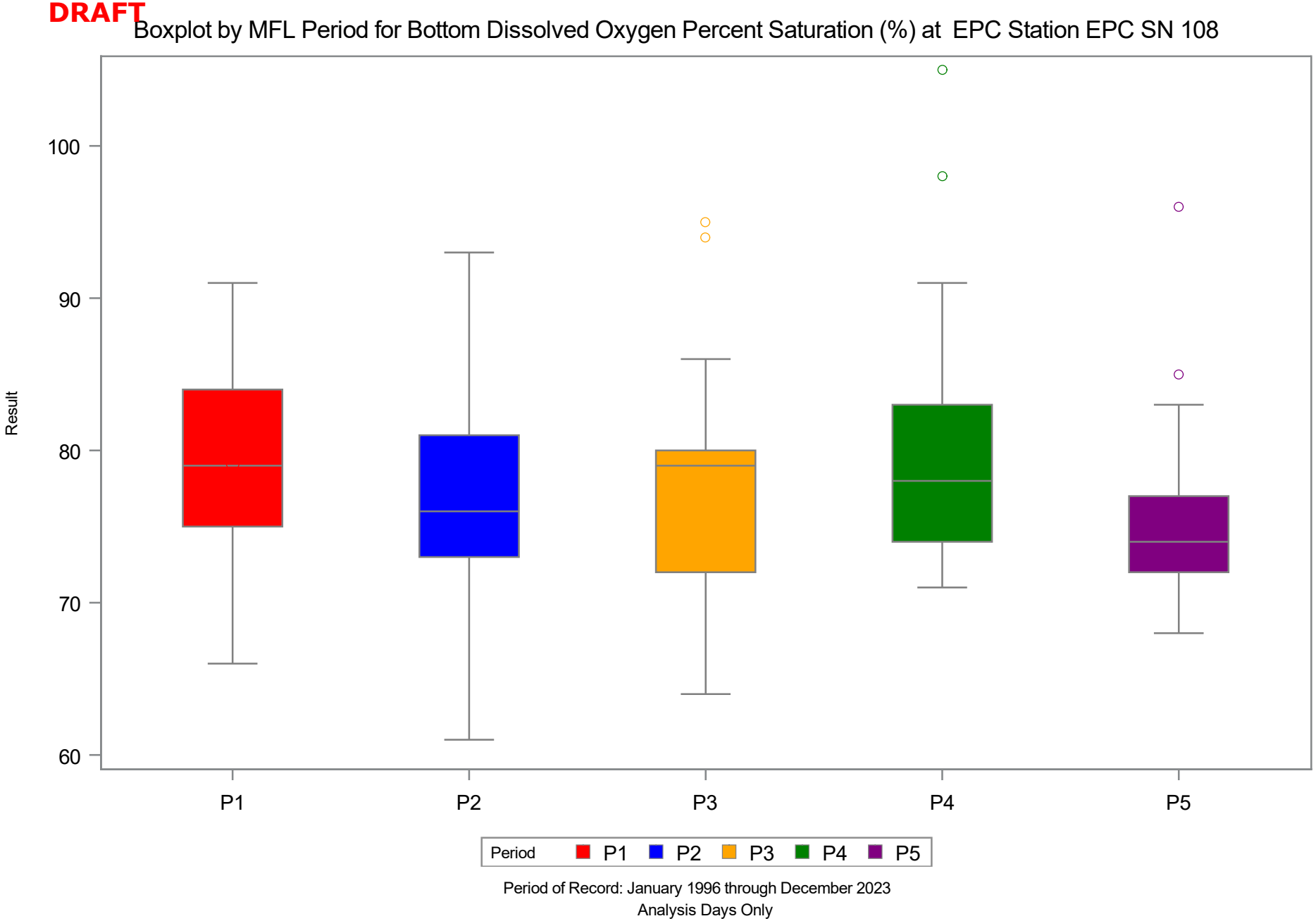
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108

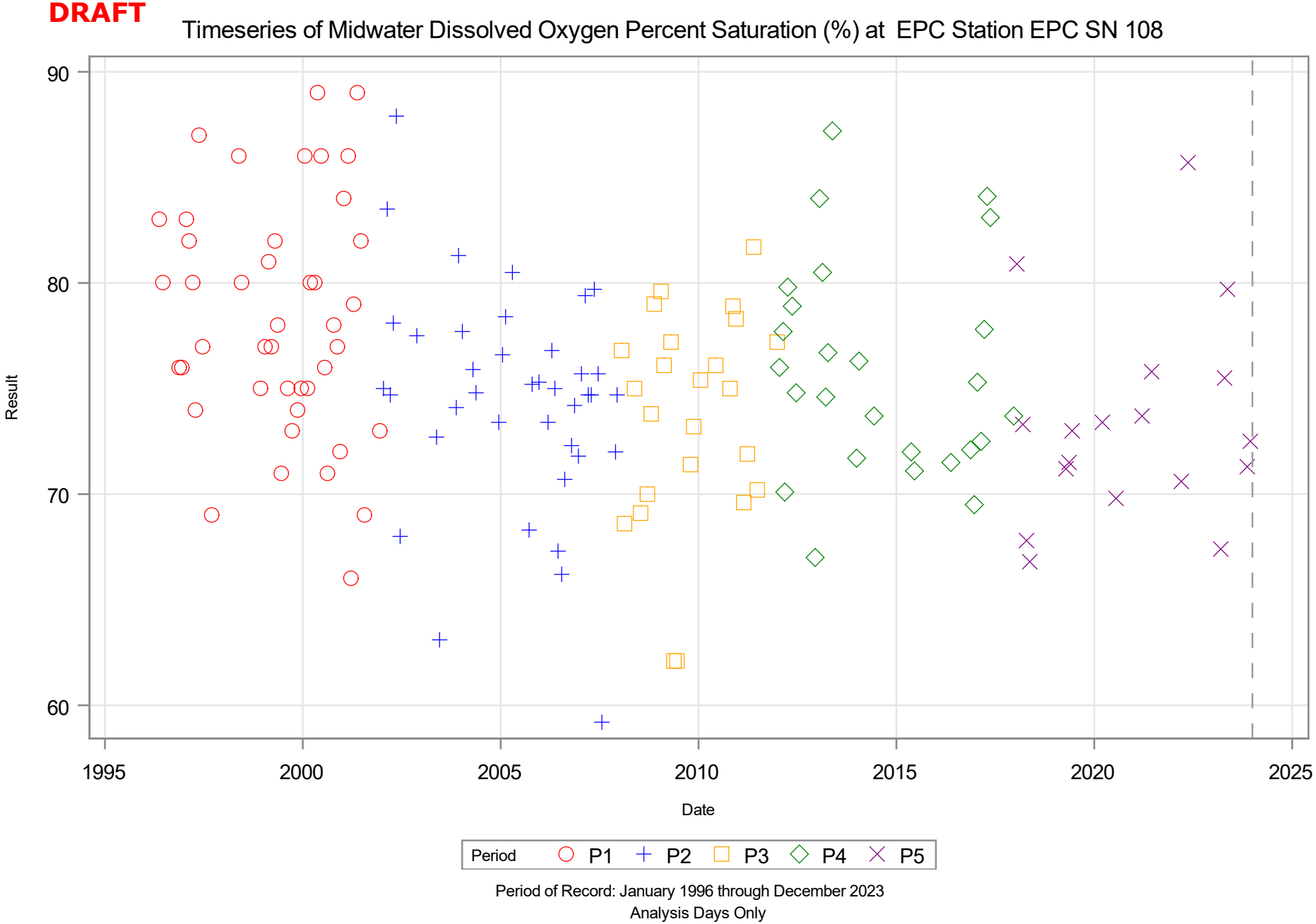
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	66.00	75.00	79.12	79.00	84.00	91.00
P2	39	61.00	73.00	76.54	76.00	81.00	93.00
P3	23	64.00	72.00	77.65	79.00	80.00	95.00
P4	25	71.00	74.00	80.08	78.00	83.00	105.00
P5	17	68.00	72.00	76.24	74.00	77.00	96.00

Period of Record: January 1996 through December 2023
Analysis Days Only

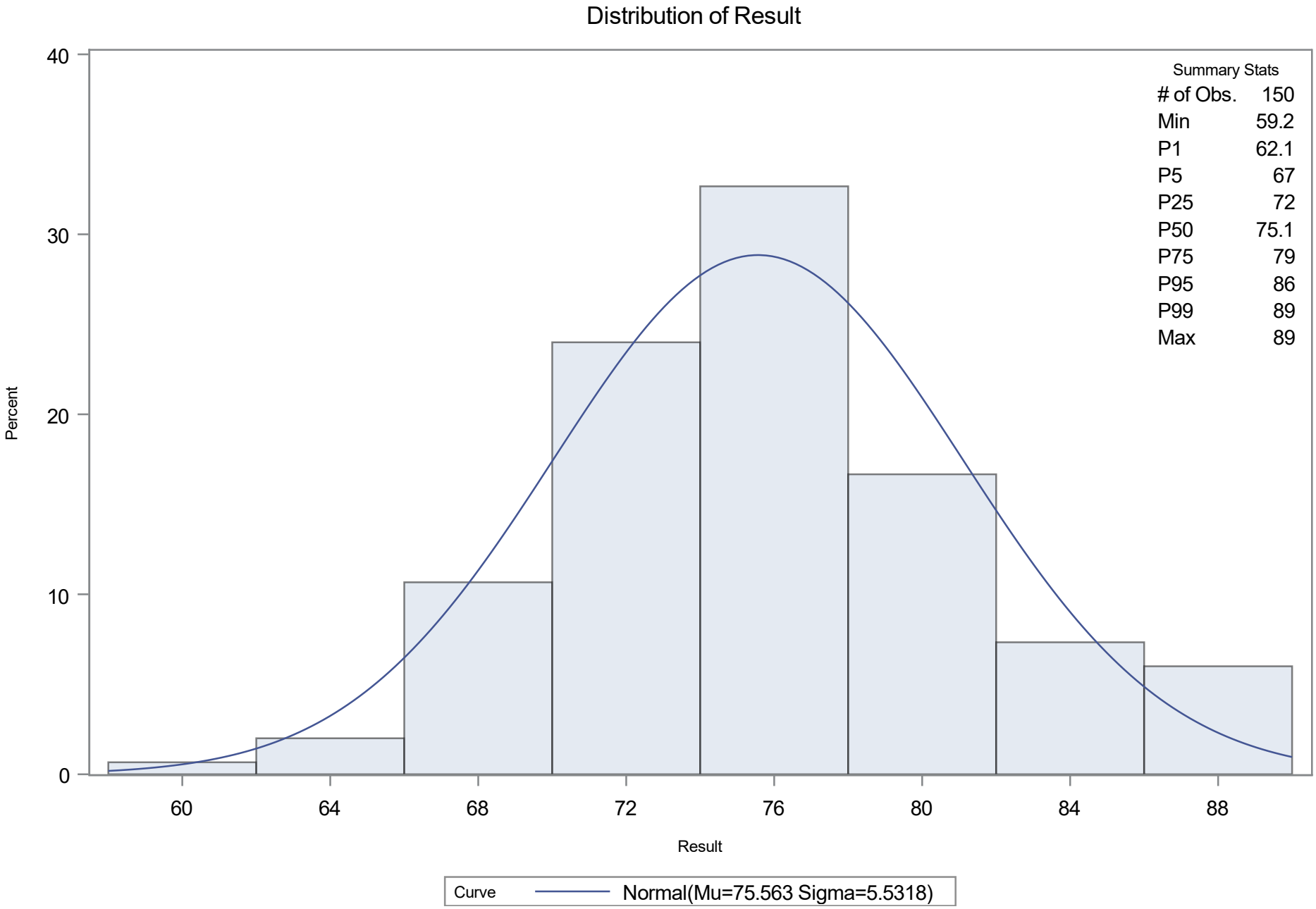
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108
Result
100
90
80
70
60
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108
Result
90
80
70
60
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.56267
Std Dev	Sigma	5.531806

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06130950	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08740407	**Pr > W-Sq**	0.169
Anderson-Darling	**A-Sq**	0.52448637	**Pr > A-Sq**	0.187

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	62.1000	62.6938
5.0	67.0000	66.4637
10.0	69.0000	68.4734
25.0	72.0000	71.8315
50.0	75.1000	75.5627
75.0	79.0000	79.2938
90.0	83.0500	82.6520
95.0	86.0000	84.6617
99.0	89.0000	88.4316

Period of Record: January 1996 through December 2023
Analysis Days Only

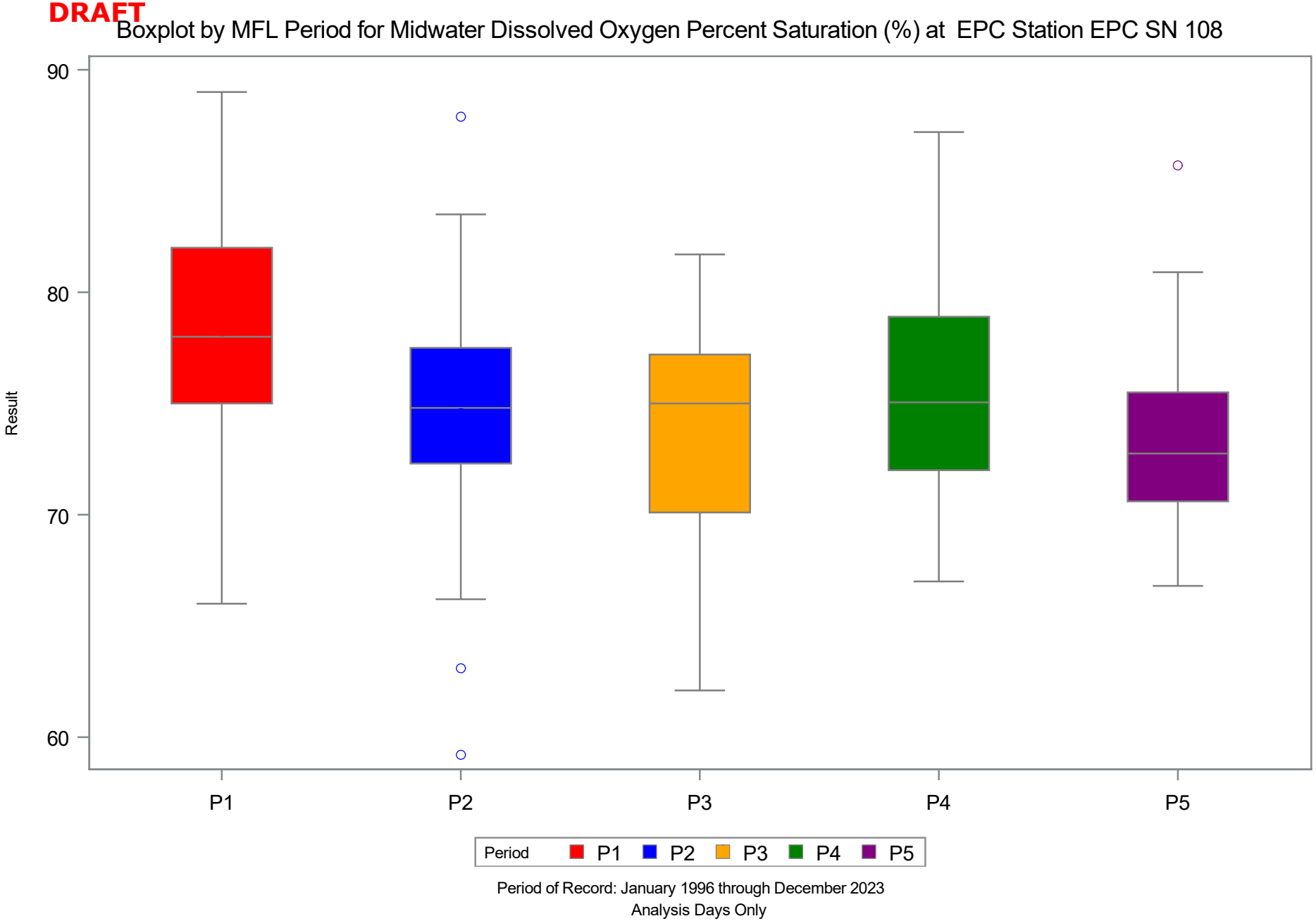
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108

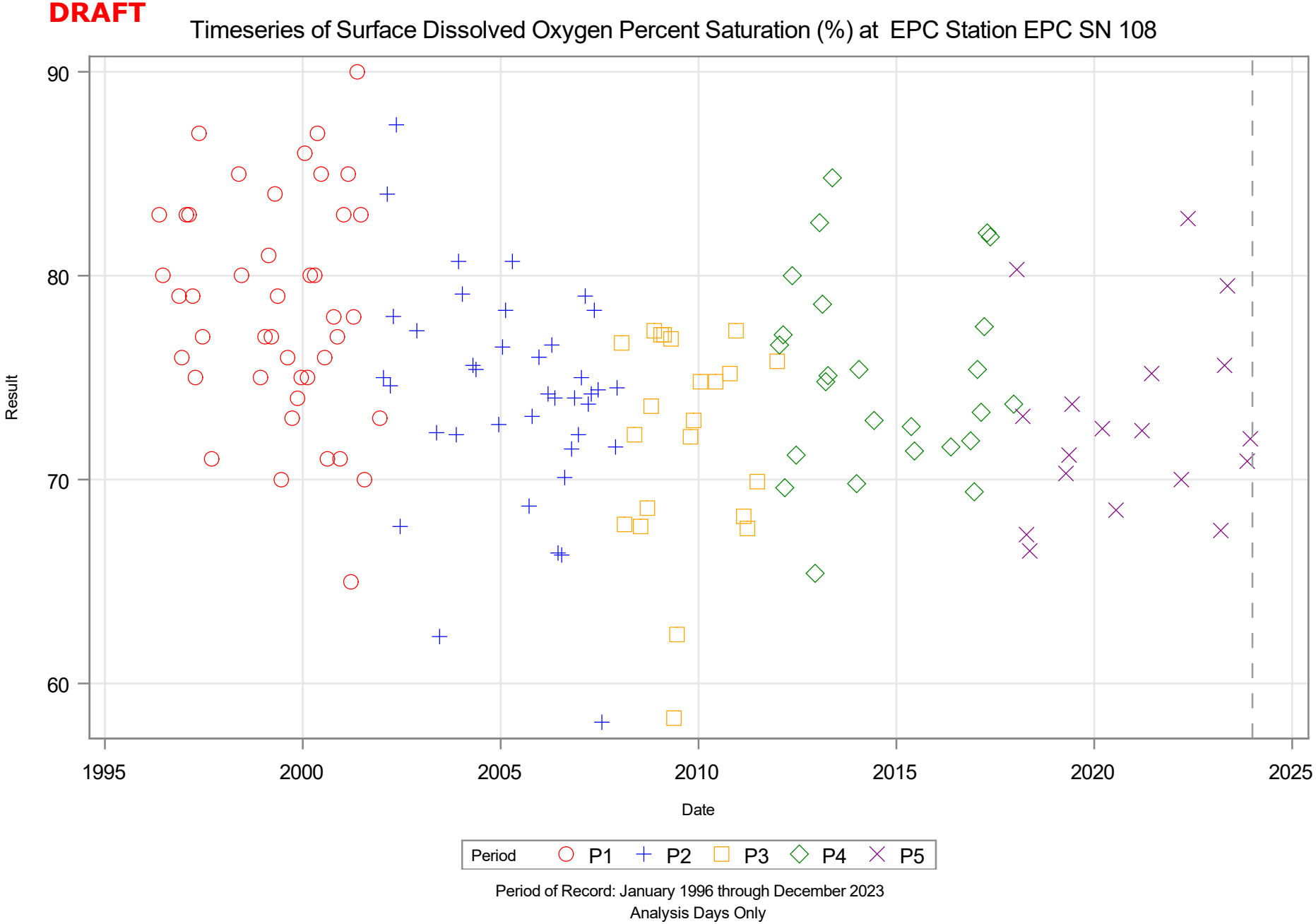
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	66.00	75.00	78.35	78.00	82.00	89.00
P2	39	59.20	72.30	74.50	74.80	77.50	87.90
P3	24	62.10	70.10	73.68	75.00	77.20	81.70
P4	26	67.00	72.00	75.83	75.05	78.90	87.20
P5	18	66.80	70.60	73.33	72.75	75.50	85.70

Period of Record: January 1996 through December 2023
Analysis Days Only

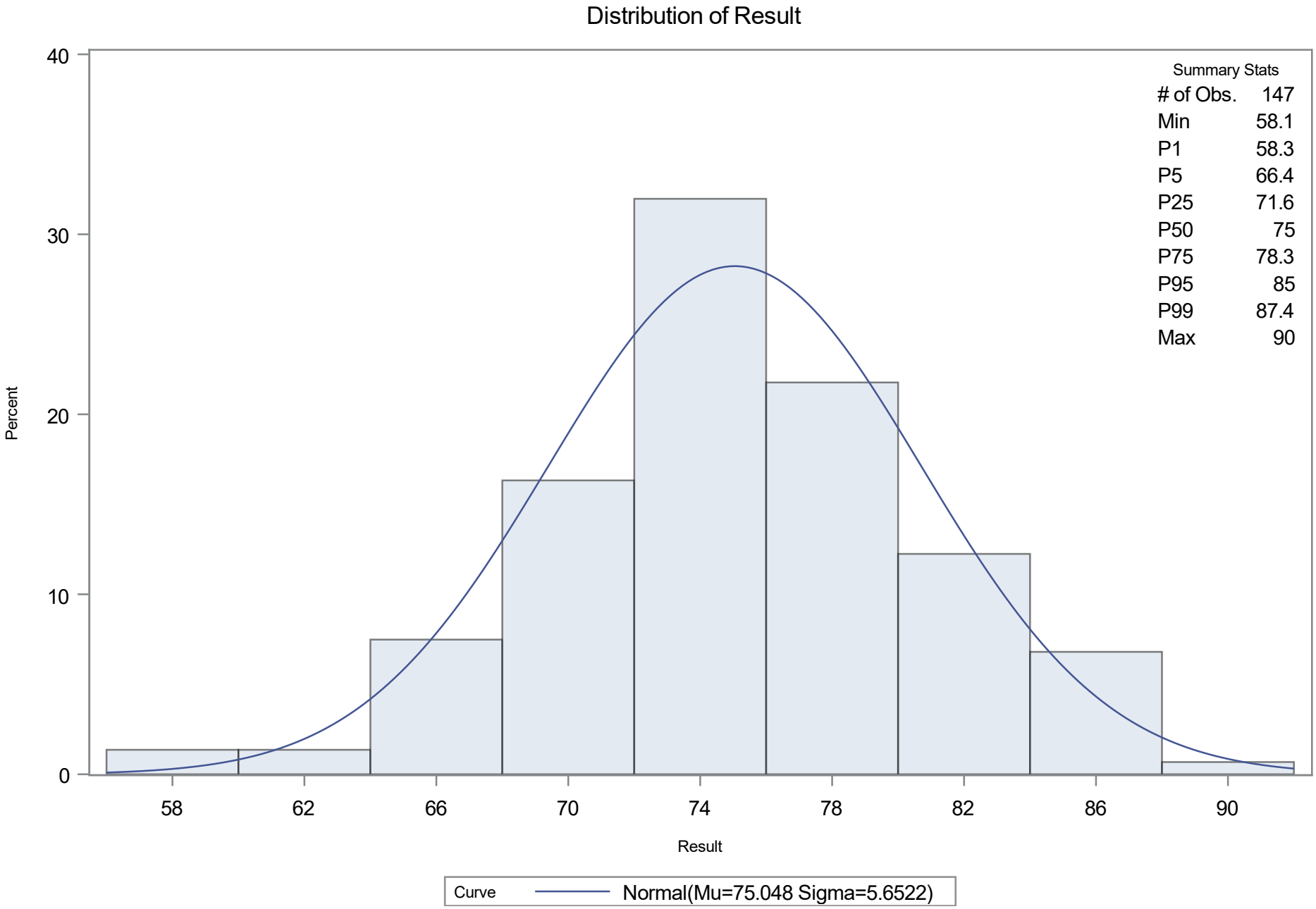
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108
Result
90
80
70
60
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108
Result
90
80
70
60
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.04762
Std Dev	Sigma	5.652183

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05941745	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06658151	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.42201237	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	58.3000	61.8987
5.0	66.4000	65.7506
10.0	67.8000	67.8041
25.0	71.6000	71.2353
50.0	75.0000	75.0476
75.0	78.3000	78.8600
90.0	83.0000	82.2912
95.0	85.0000	84.3446
99.0	87.4000	88.1966

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	65.00	75.00	78.42	78.00	83.00	90.00
P2	39	58.10	72.20	74.15	74.40	77.30	87.40
P3	22	58.30	68.20	72.01	73.25	76.70	77.30
P4	25	65.40	71.60	74.99	74.80	77.50	84.80
P5	18	66.50	70.00	72.74	72.20	75.20	82.80

Period of Record: January 1996 through December 2023
Analysis Days Only

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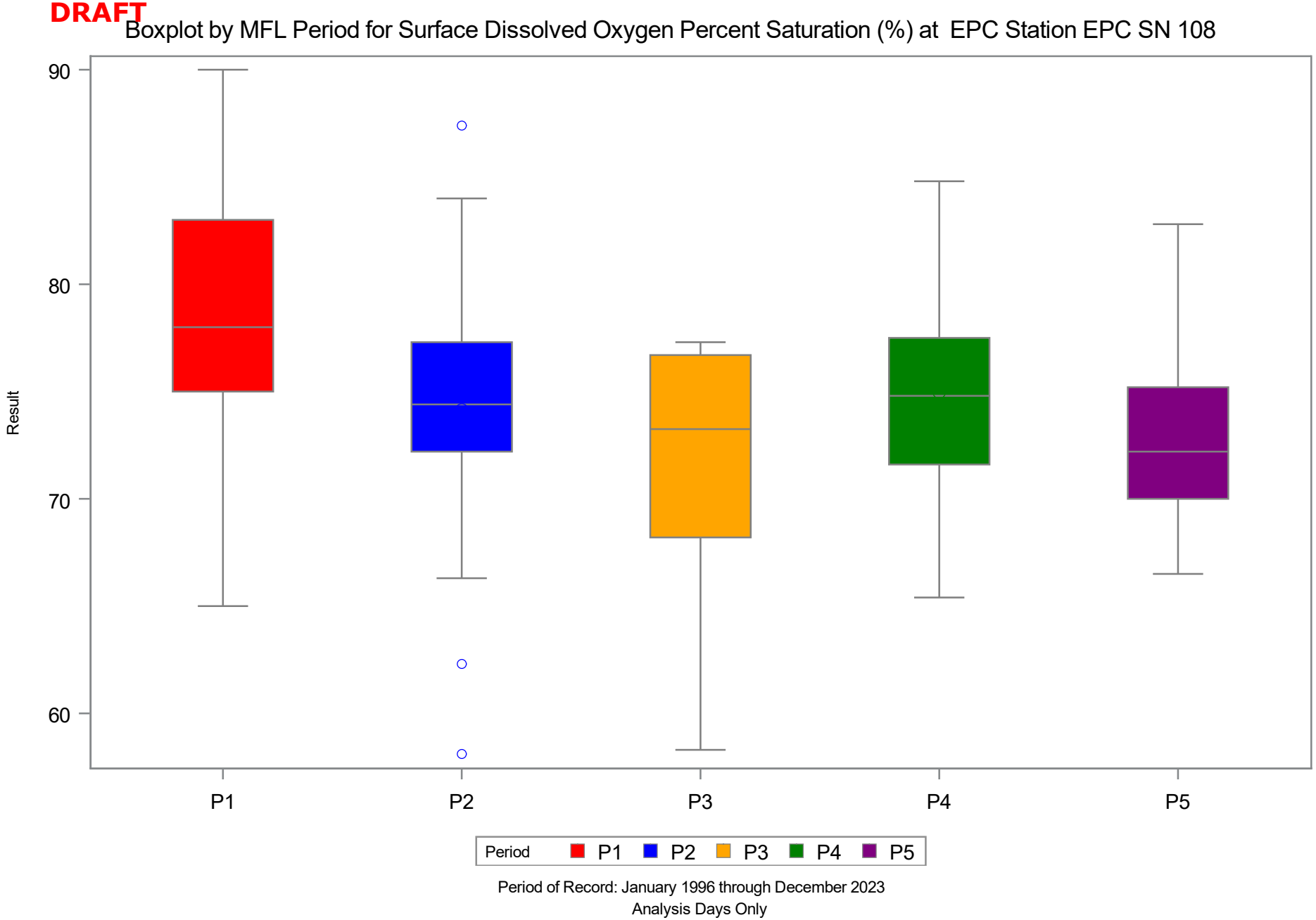
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 108
Result
90
80
70
60
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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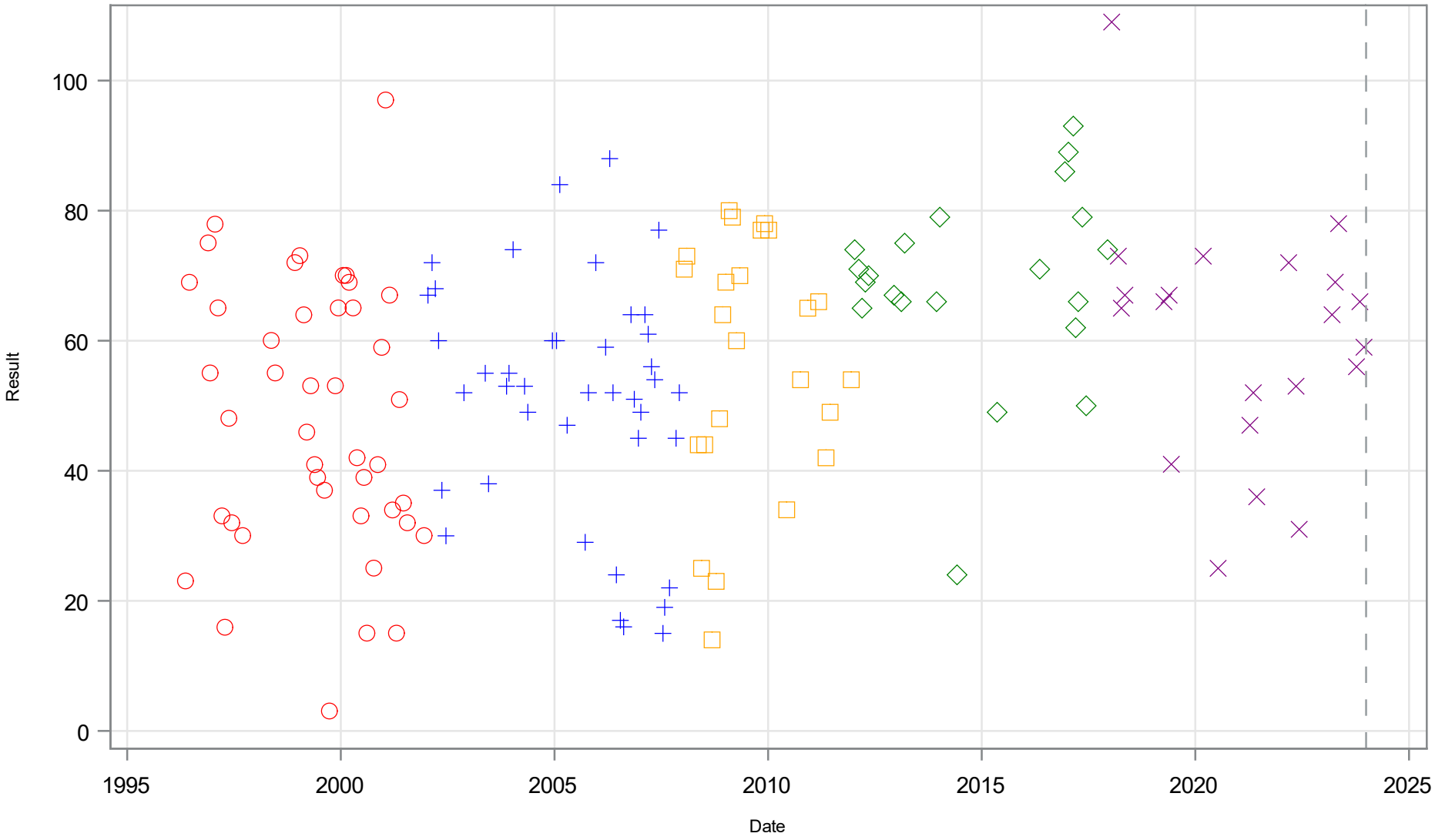
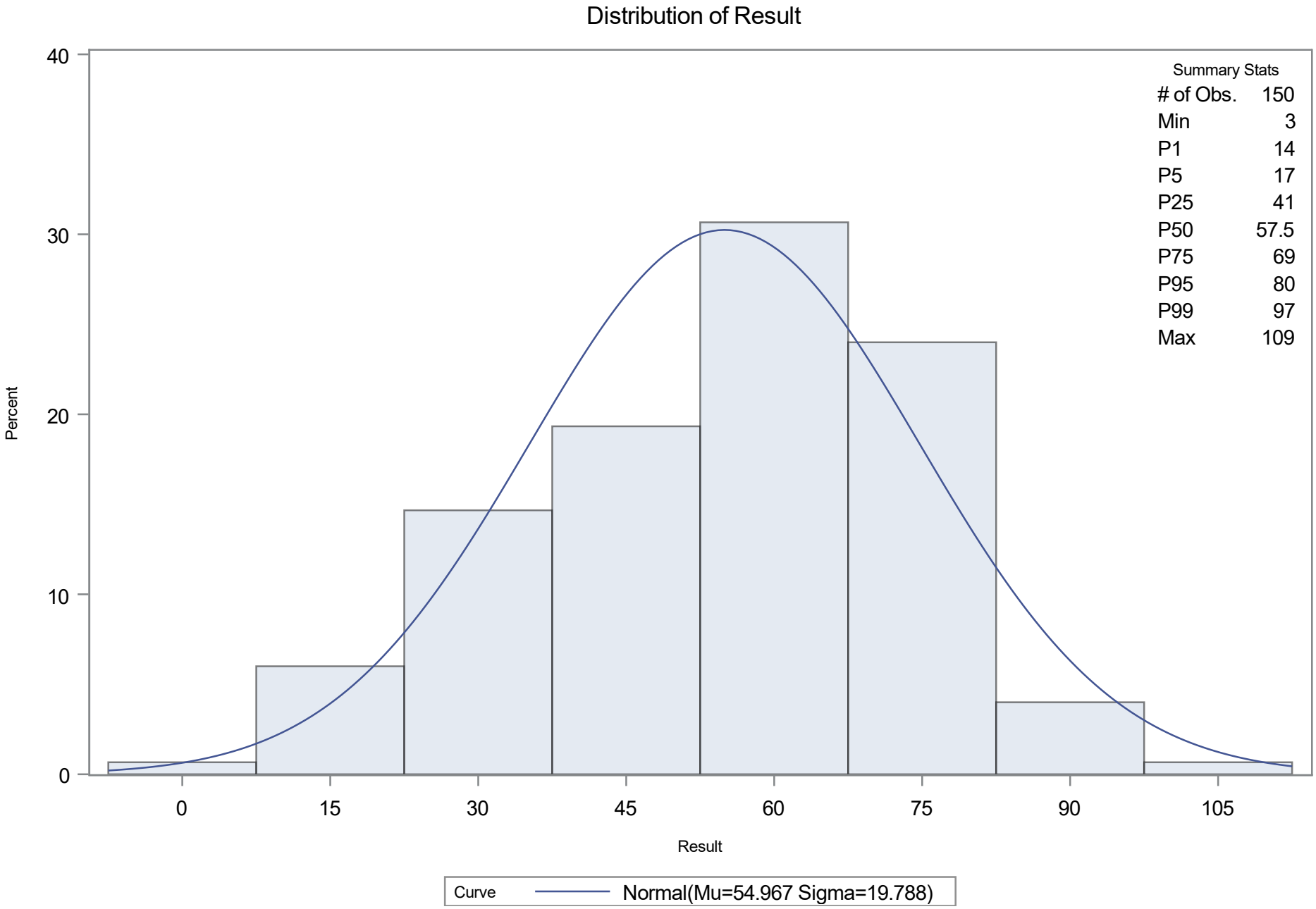
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	54.96667
Std Dev	Sigma	19.7876

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10932342	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25264142	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.47265045	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.0000	8.93382
5.0	17.0000	22.41896
10.0	25.0000	29.60783
25.0	41.0000	41.62013
50.0	57.5000	54.96667
75.0	69.0000	68.31320
90.0	77.0000	80.32550
95.0	80.0000	87.51438
99.0	97.0000	100.99951

Period of Record: January 1996 through December 2023
Analysis Days Only

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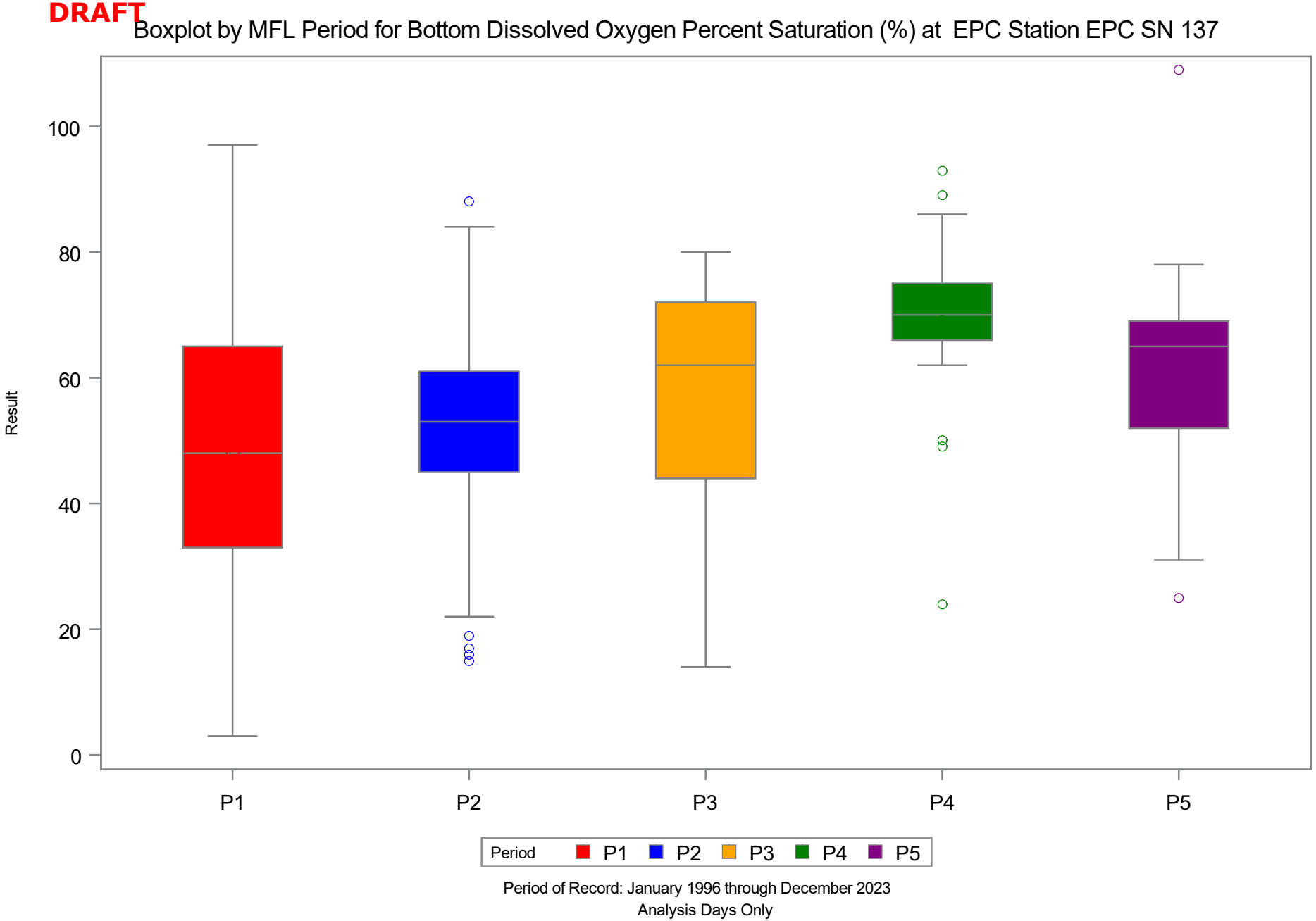
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	3.00	33.00	48.23	48.00	65.00	97.00
P2	41	15.00	45.00	51.15	53.00	61.00	88.00
P3	24	14.00	44.00	56.67	62.00	72.00	80.00
P4	21	24.00	66.00	68.81	70.00	75.00	93.00
P5	21	25.00	52.00	60.43	65.00	69.00	109.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137
Result
100
80
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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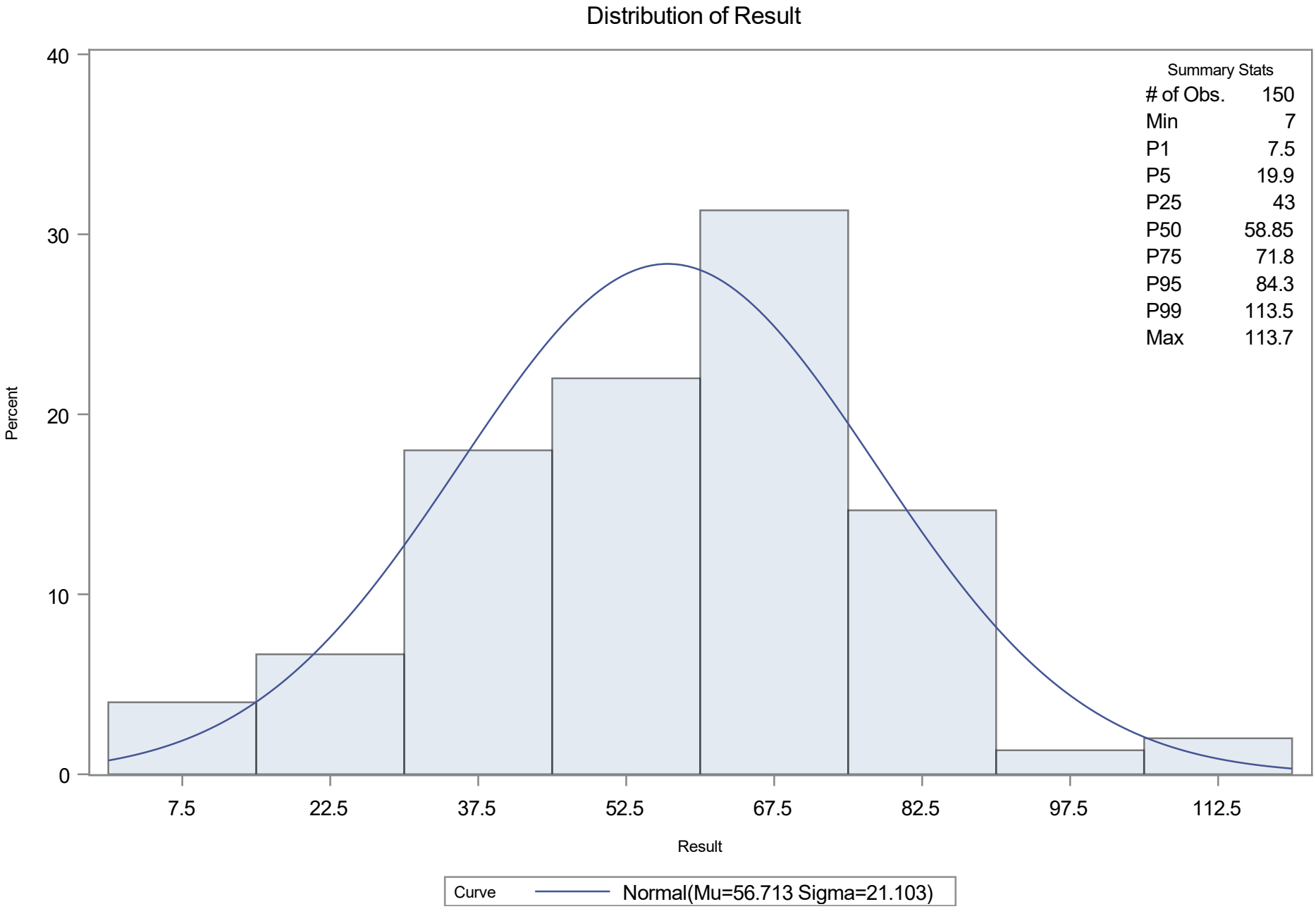
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137**



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	56.71267
Std Dev	Sigma	21.10259

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06826731	**Pr > D**	0.086
Cramer-von Mises	**W-Sq**	0.10767794	**Pr > W-Sq**	0.091
Anderson-Darling	**A-Sq**	0.69943766	**Pr > A-Sq**	0.070

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.50000	7.62070
5.0	19.90000	22.00199
10.0	28.90000	29.66861
25.0	43.00000	42.47918
50.0	58.85000	56.71267
75.0	71.80000	70.94615
90.0	80.60000	83.75673
95.0	84.30000	91.42334
99.0	113.50000	105.80464

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	7.00	36.00	51.91	53.00	66.00	110.00
P2	41	7.50	35.40	48.88	49.40	64.90	83.50
P3	24	21.70	46.00	58.40	58.15	69.85	113.50
P4	21	32.60	63.40	71.38	71.80	80.60	96.20
P5	21	32.90	53.70	65.26	68.20	72.40	113.70

Period of Record: January 1996 through December 2023
Analysis Days Only

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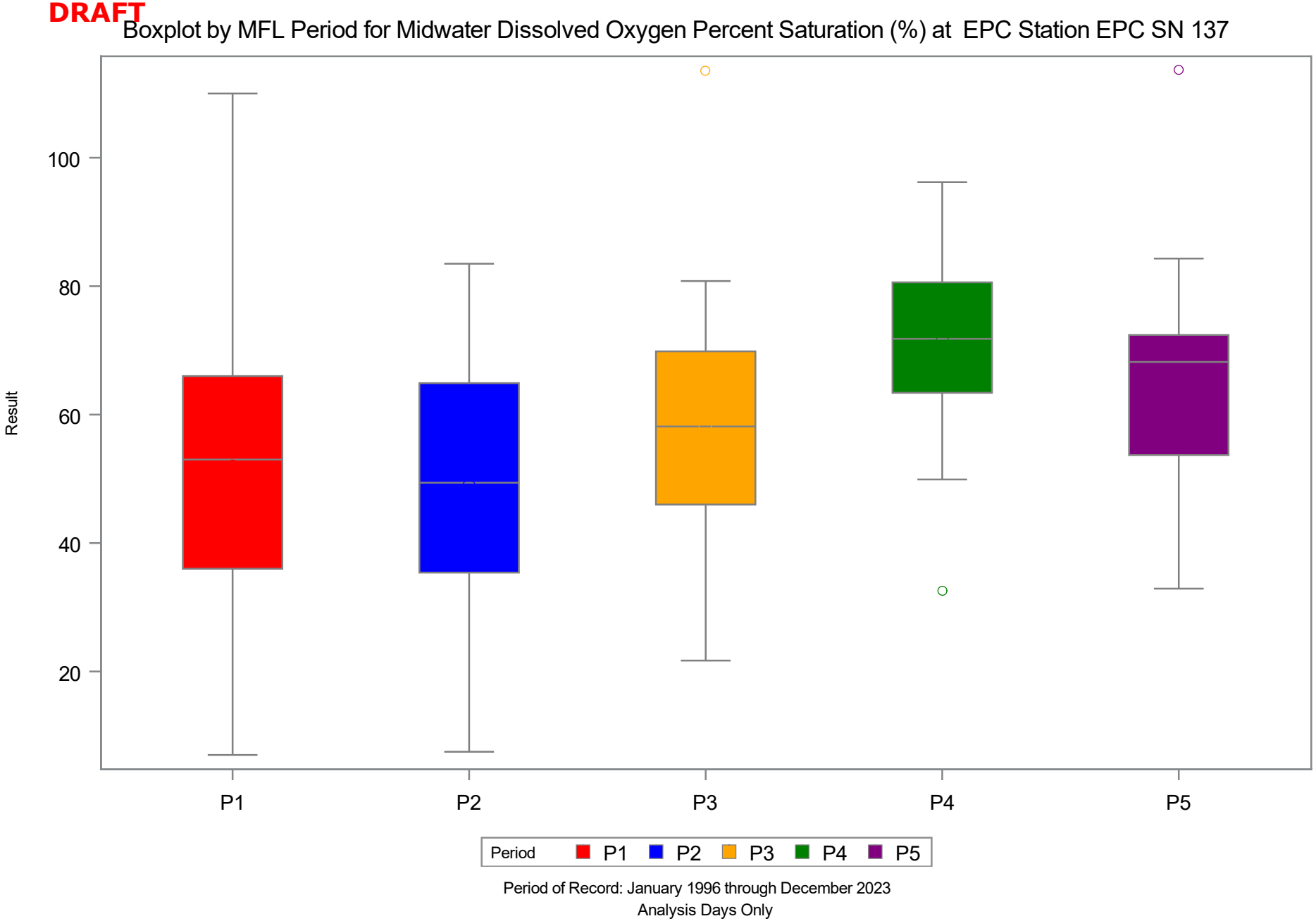
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137
Result
100
80
60
40
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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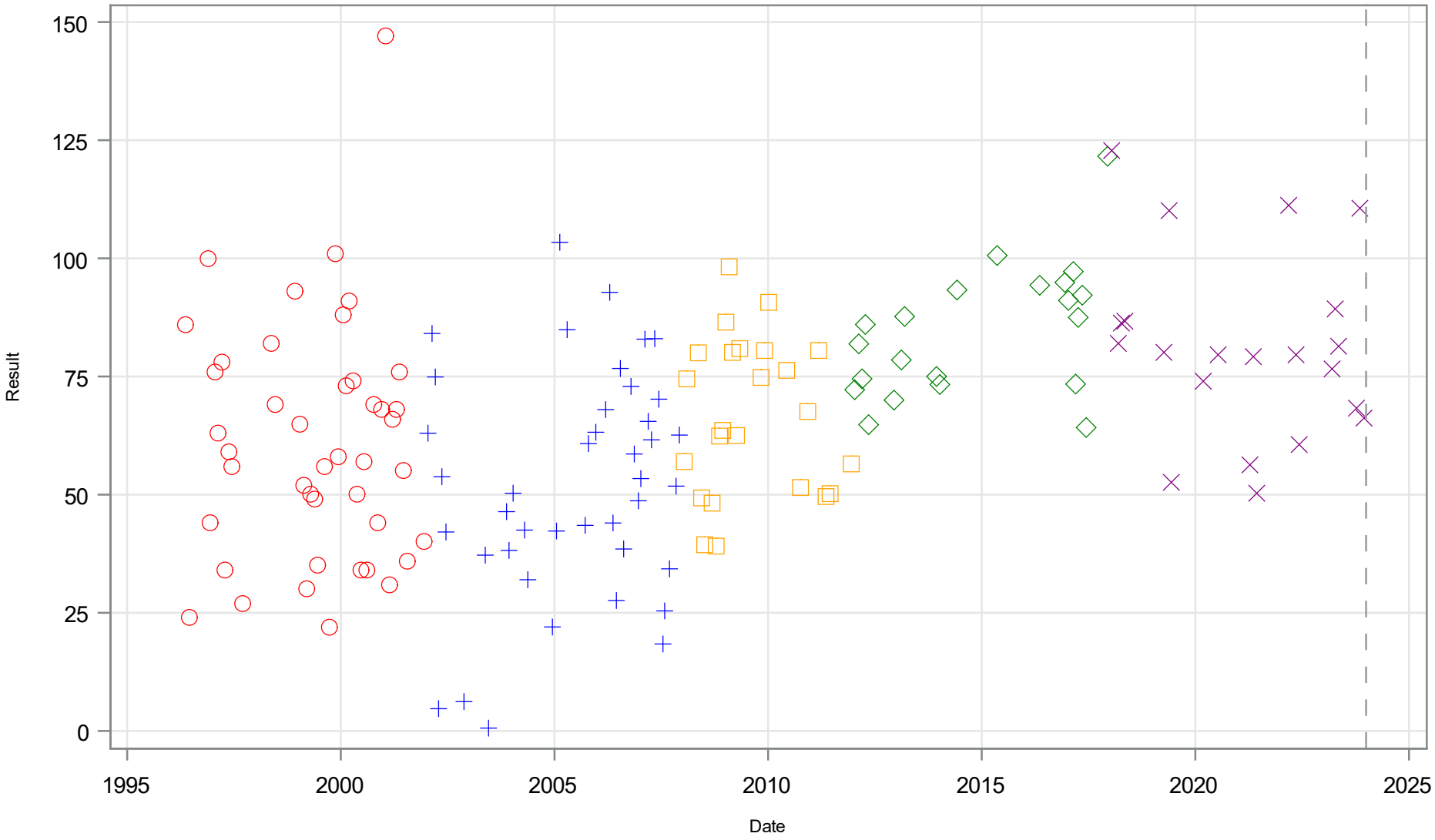
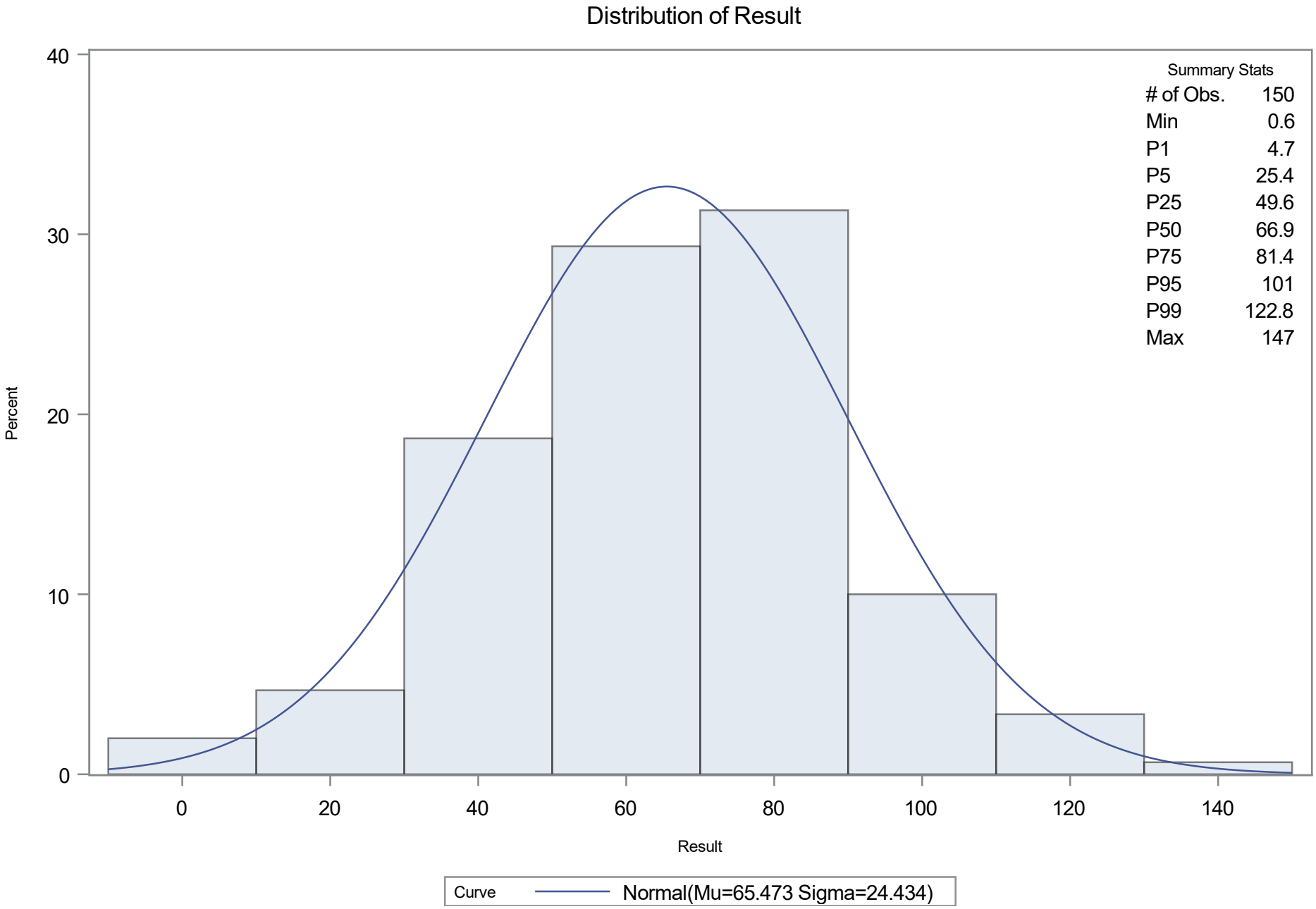
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	65.47267
Std Dev	Sigma	24.43374

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05276124	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04823082	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30648627	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.70000	8.63129
5.0	25.40000	25.28275
10.0	34.00000	34.15957
25.0	49.60000	48.99236
50.0	66.90000	65.47267
75.0	81.40000	81.95297
90.0	93.15000	96.78576
95.0	101.00000	105.66259
99.0	122.80000	122.31404

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	22.00	40.00	60.70	58.00	76.00	147.00
P2	41	0.60	38.20	52.02	51.80	68.00	103.40
P3	24	39.10	50.85	66.66	65.60	80.30	98.20
P4	21	64.20	73.40	84.49	86.00	93.30	121.60
P5	21	50.30	68.30	81.13	79.60	86.70	122.80

Period of Record: January 1996 through December 2023
Analysis Days Only

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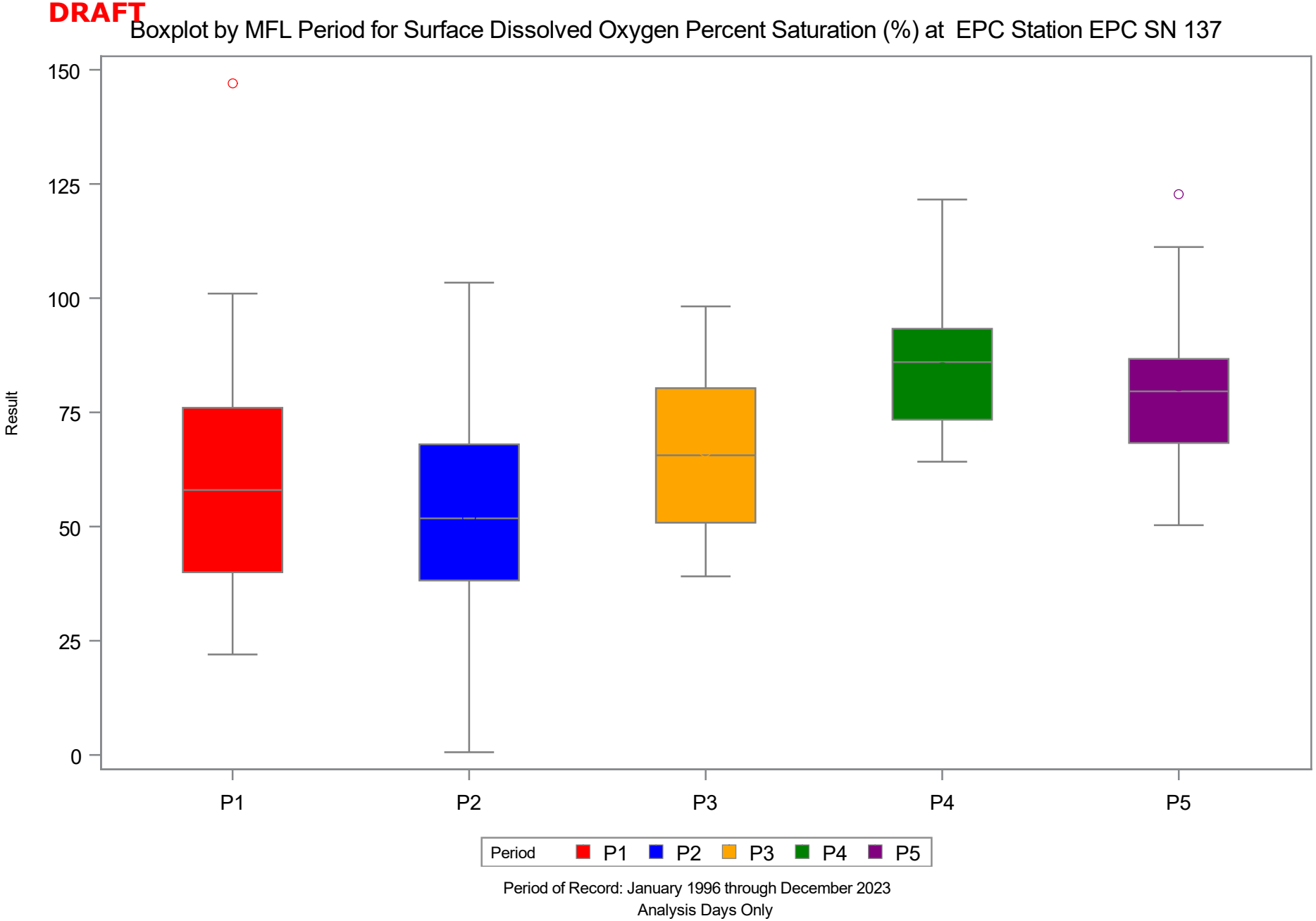
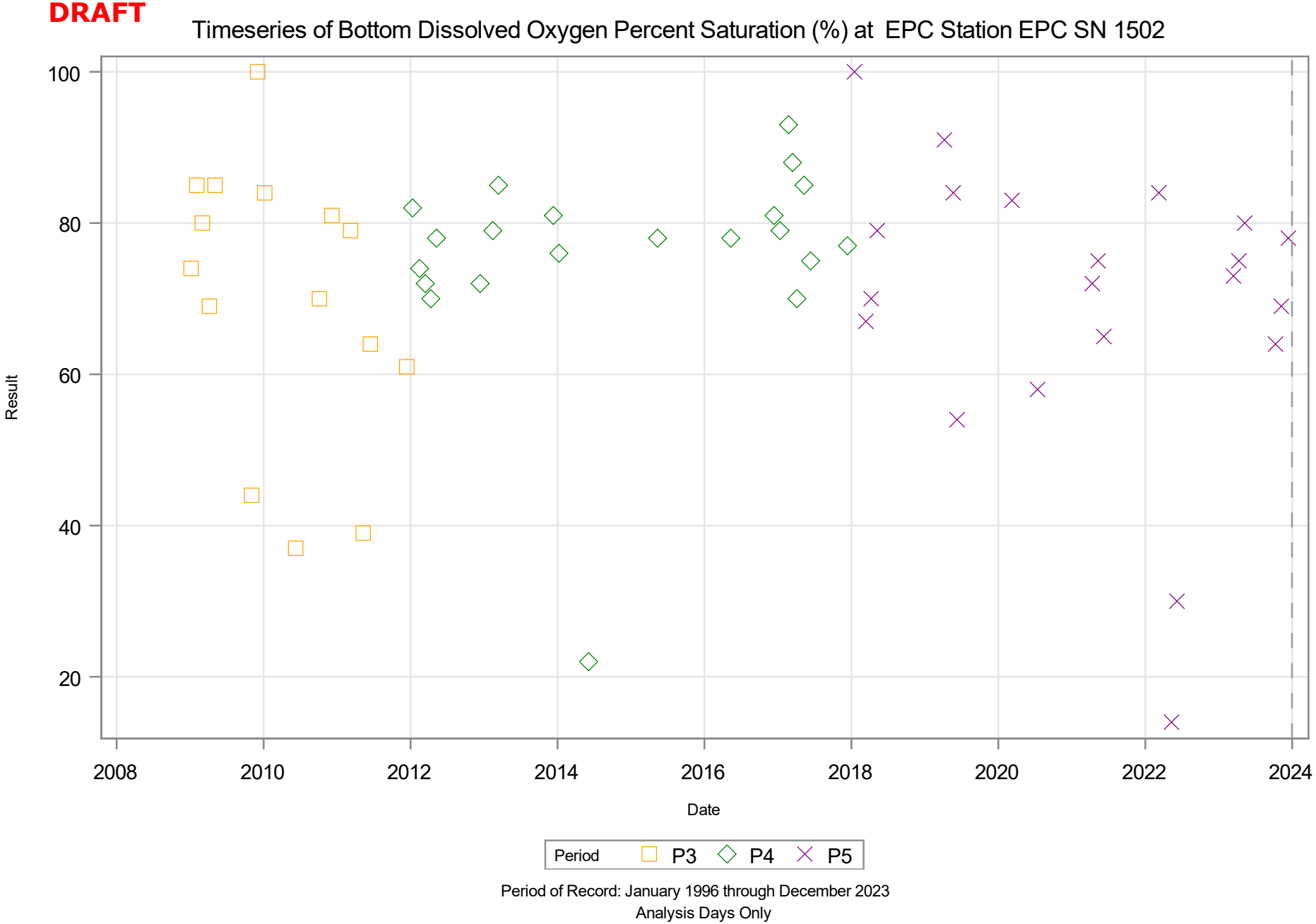
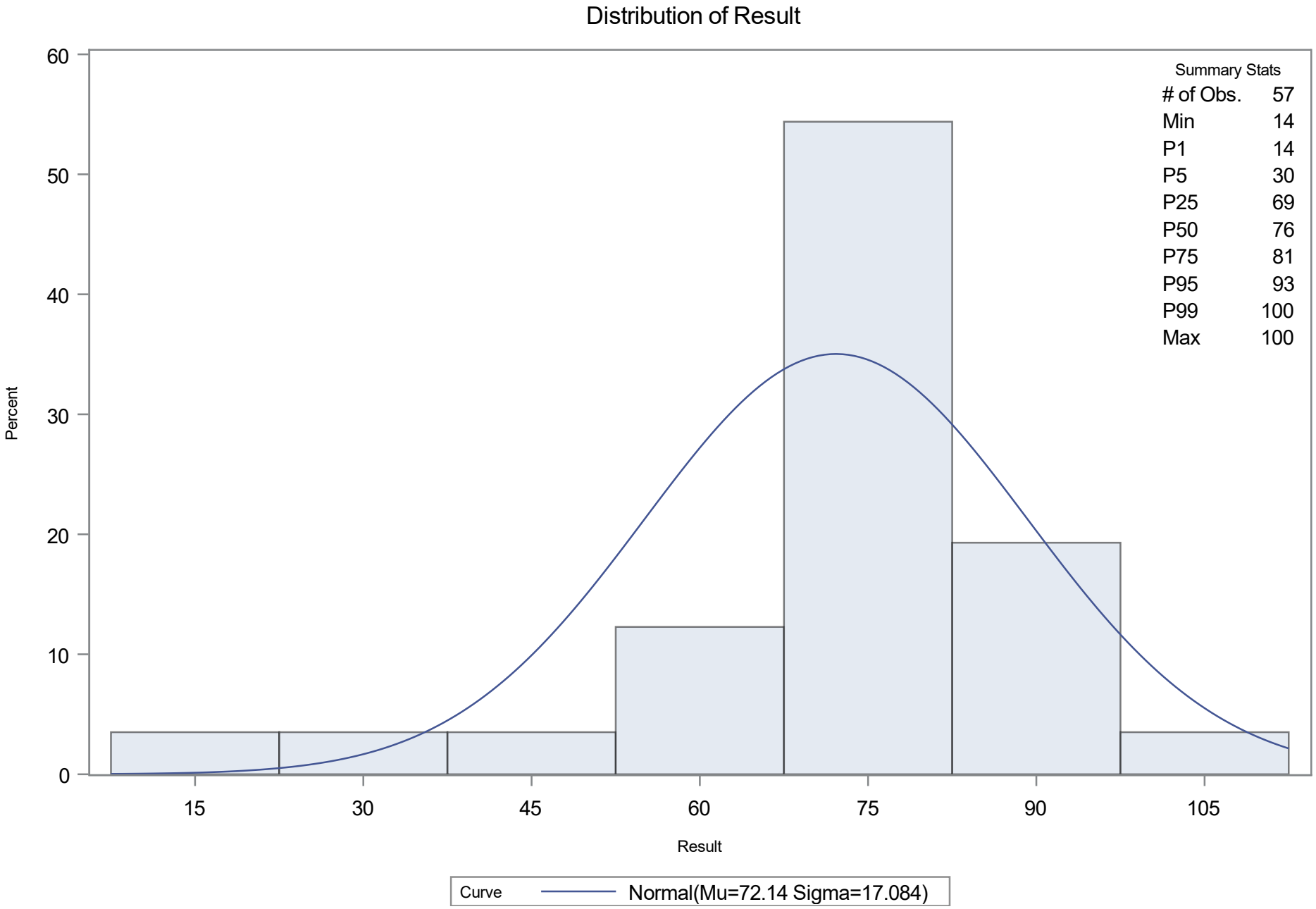

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 137
Result
150
125
100
75
50
25
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502
Result
100
80
60
40
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	72.14035
Std Dev	Sigma	17.08429

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19900905	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.53546925	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.01002036	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.0000	32.3964
5.0	30.0000	44.0392
10.0	44.0000	50.2460
25.0	69.0000	60.6172
50.0	76.0000	72.1404
75.0	81.0000	83.6635
90.0	85.0000	94.0347
95.0	93.0000	100.2415
99.0	100.0000	111.8843

Period of Record: January 1996 through December 2023
Analysis Days Only

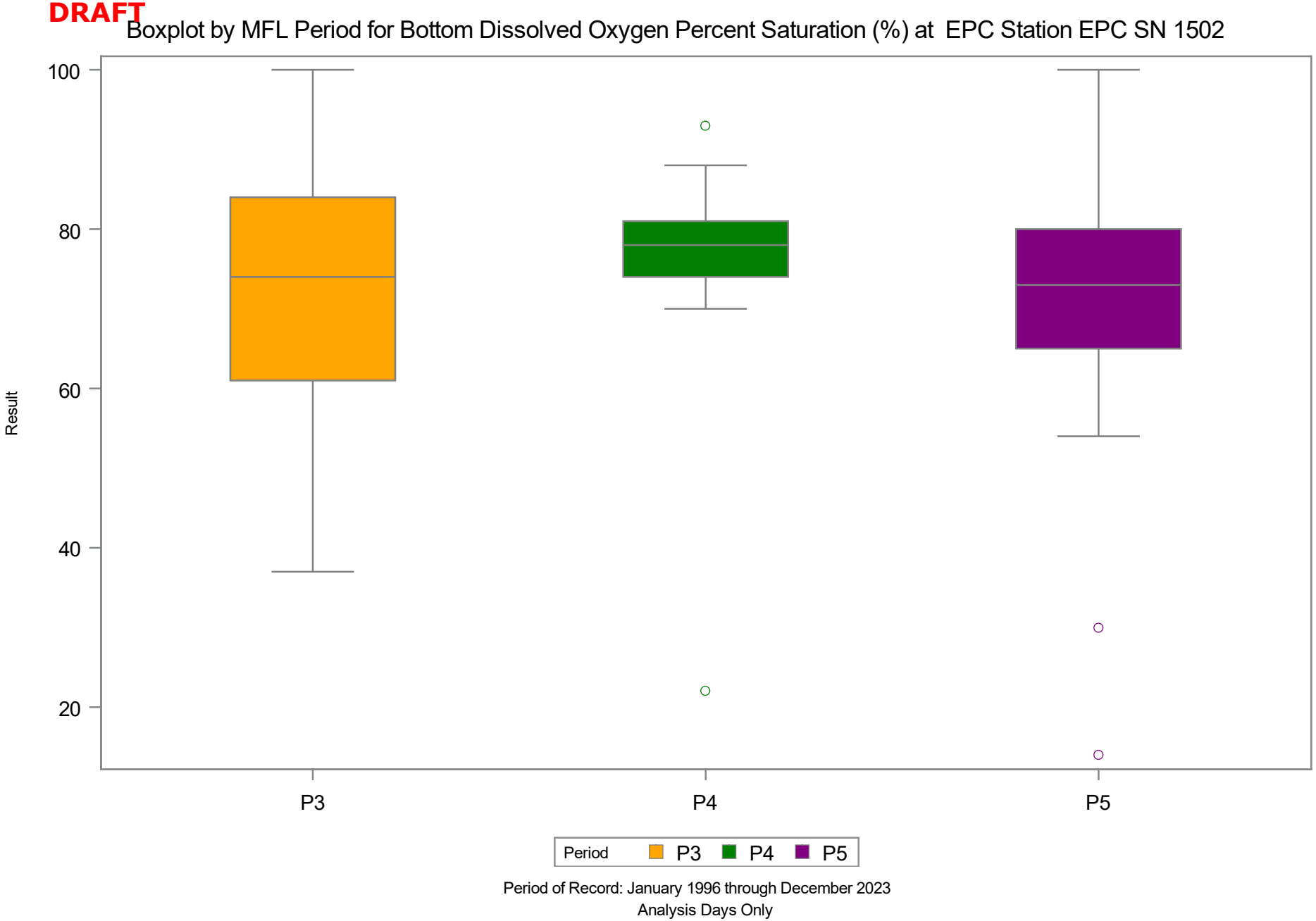
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502

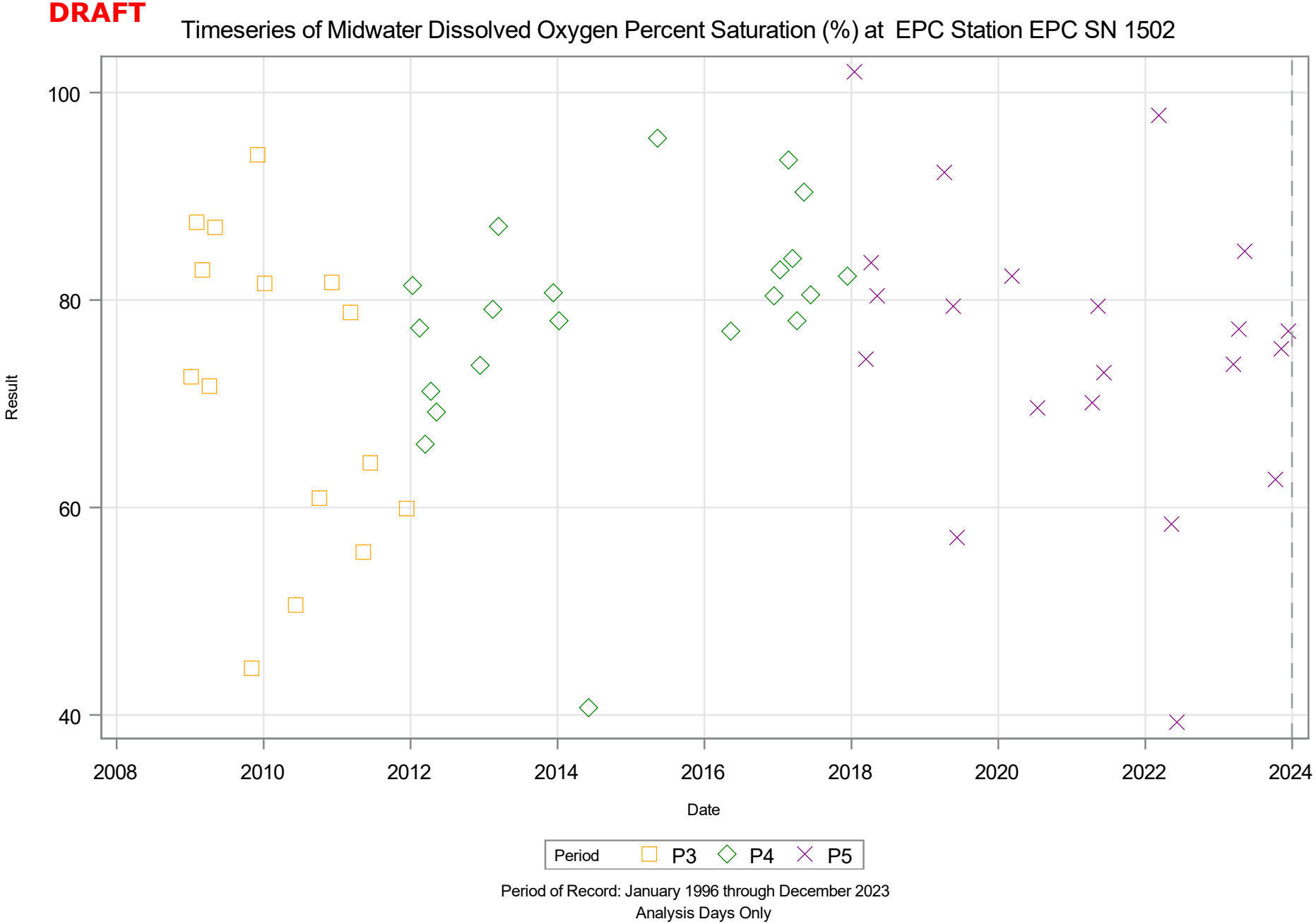
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	37.00	61.00	70.13	74.00	84.00	100.00
P4	21	22.00	74.00	75.95	78.00	81.00	93.00
P5	21	14.00	65.00	69.76	73.00	80.00	100.00

Period of Record: January 1996 through December 2023
Analysis Days Only

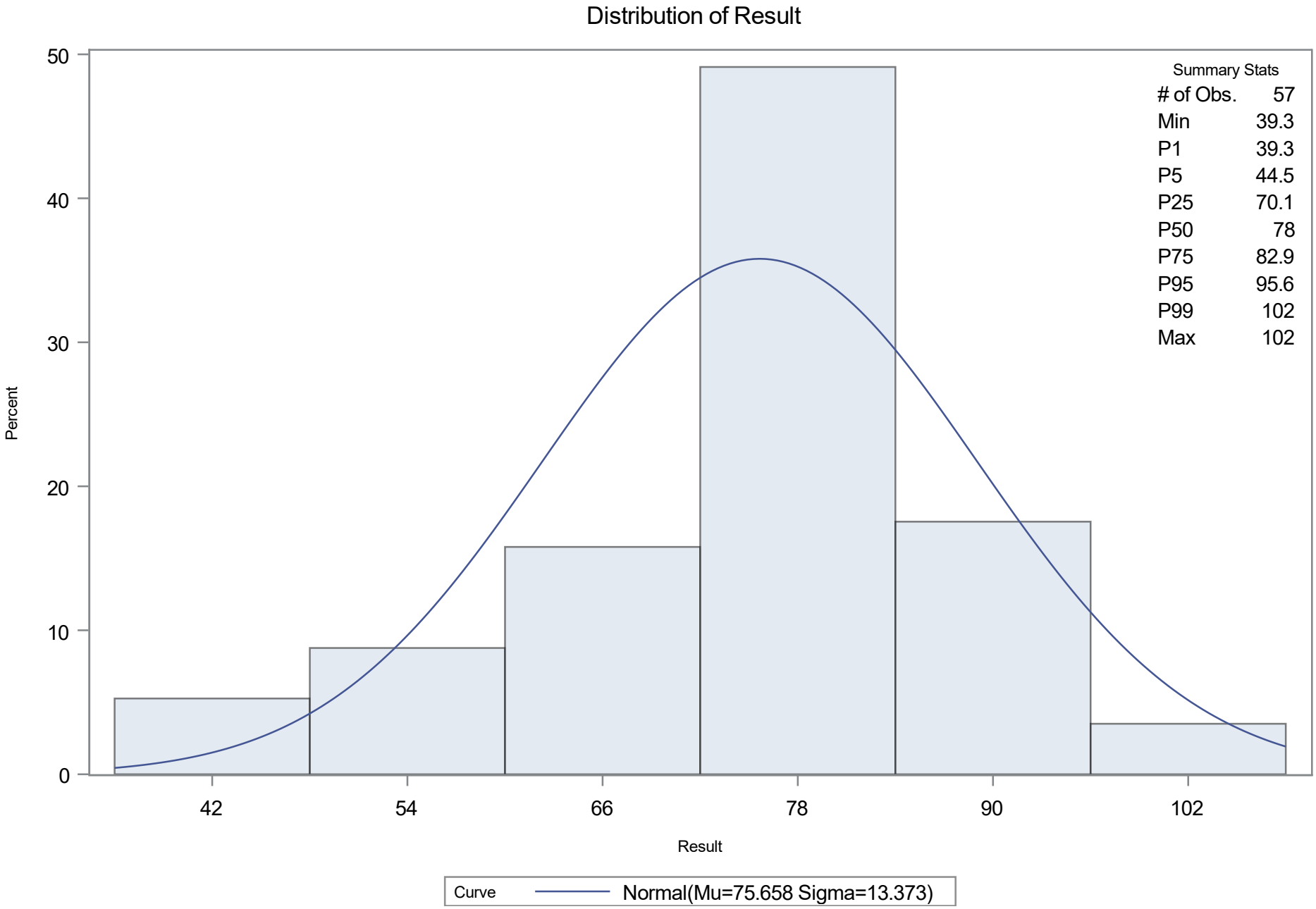
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502
Result
100
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502
Result
100
80
60
40
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.65789
Std Dev	Sigma	13.37267

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13646269	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.20608597	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.10516181	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	39.3000	44.5484
5.0	44.5000	53.6618
10.0	57.1000	58.5201
25.0	70.1000	66.6382
50.0	78.0000	75.6579
75.0	82.9000	84.6776
90.0	92.3000	92.7957
95.0	95.6000	97.6540
99.0	102.0000	106.7674

Period of Record: January 1996 through December 2023
Analysis Days Only

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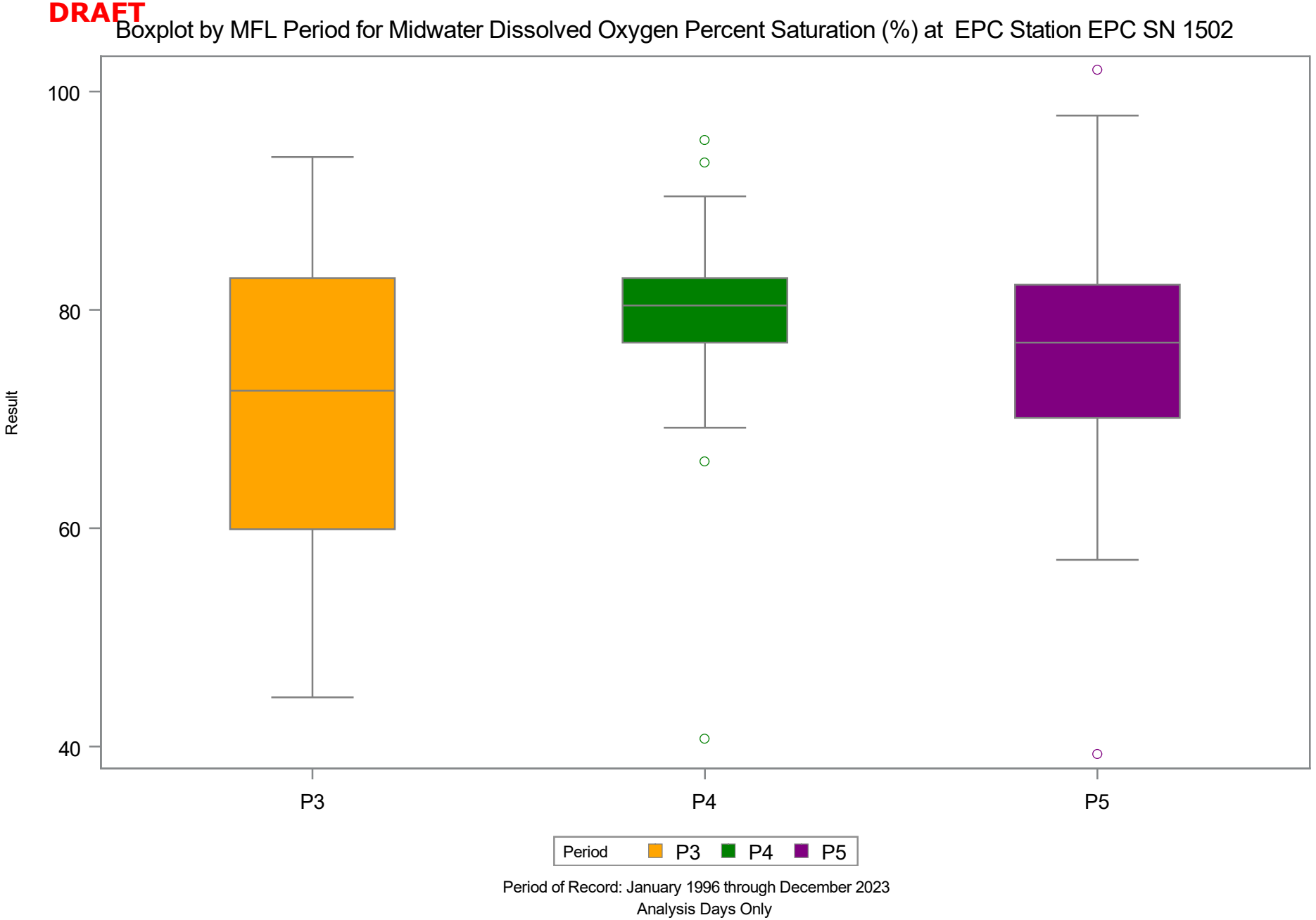
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	44.50	59.90	71.58	72.60	82.90	94.00
P4	21	40.70	77.00	78.53	80.40	82.90	95.60
P5	21	39.30	70.10	75.70	77.00	82.30	102.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502
Result
100
80
60
40
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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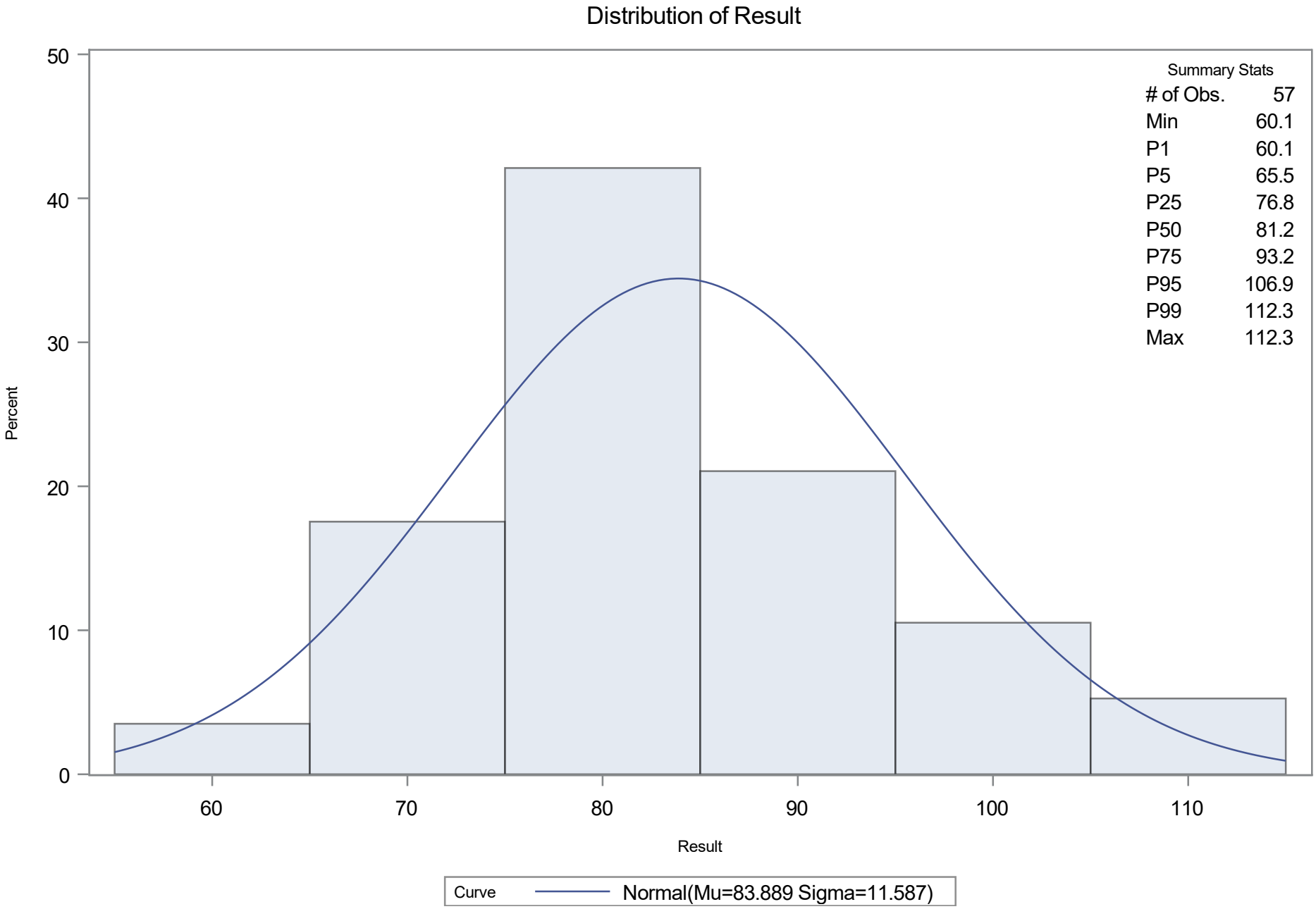
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	83.88947
Std Dev	Sigma	11.58669

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12667405	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.10673266	**Pr > W-Sq**	0.092
Anderson-Darling	**A-Sq**	0.53190217	**Pr > A-Sq**	0.174

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	60.1000	56.9348
5.0	65.5000	64.8311
10.0	68.5000	69.0405
25.0	76.8000	76.0744
50.0	81.2000	83.8895
75.0	93.2000	91.7046
90.0	98.3000	98.7384
95.0	106.9000	102.9479
99.0	112.3000	110.8441

Period of Record: January 1996 through December 2023
Analysis Days Only

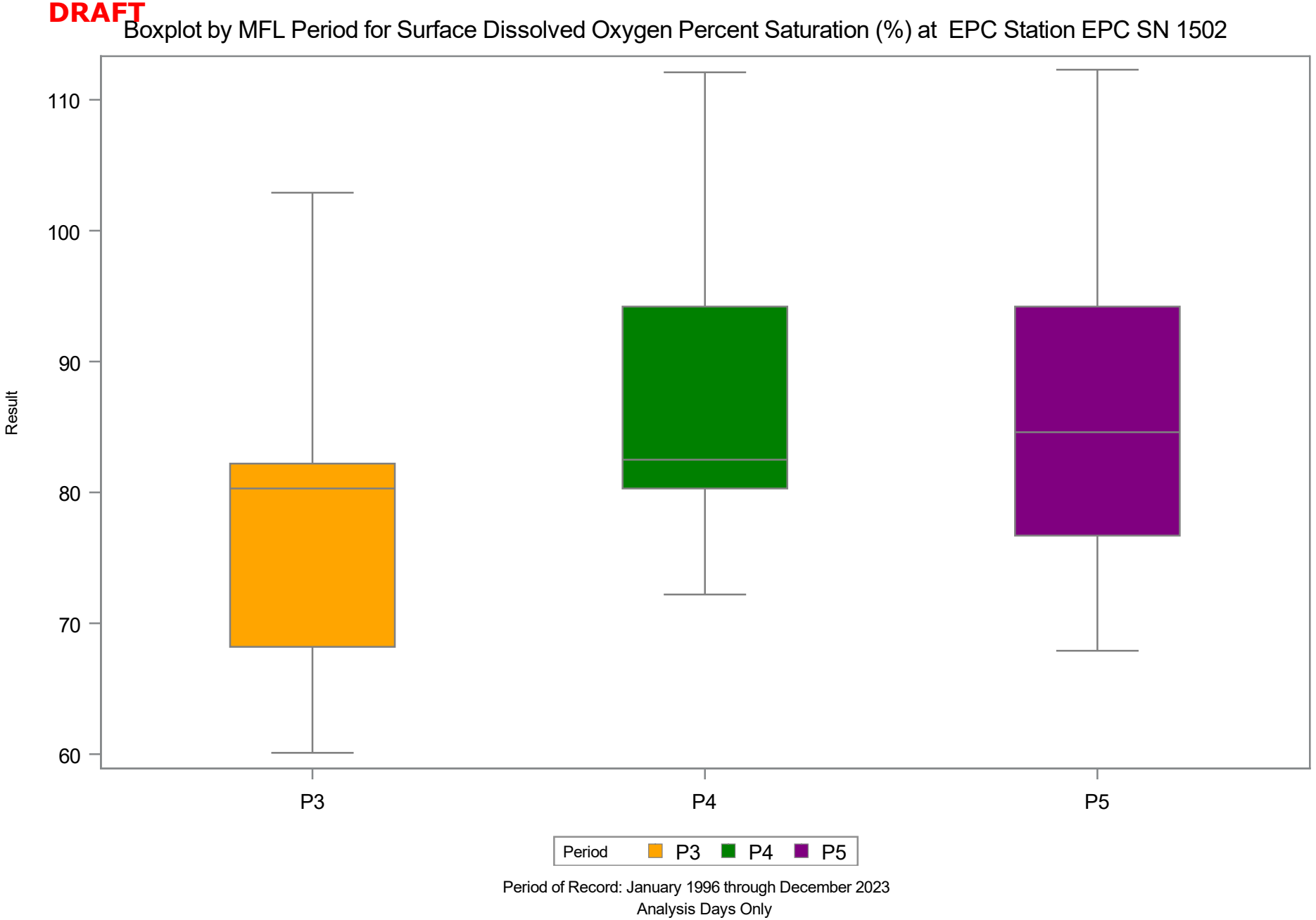
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	60.10	68.20	77.69	80.30	82.20	102.90
P4	21	72.20	80.30	86.57	82.50	94.20	112.10
P5	21	67.90	76.70	85.64	84.60	94.20	112.30

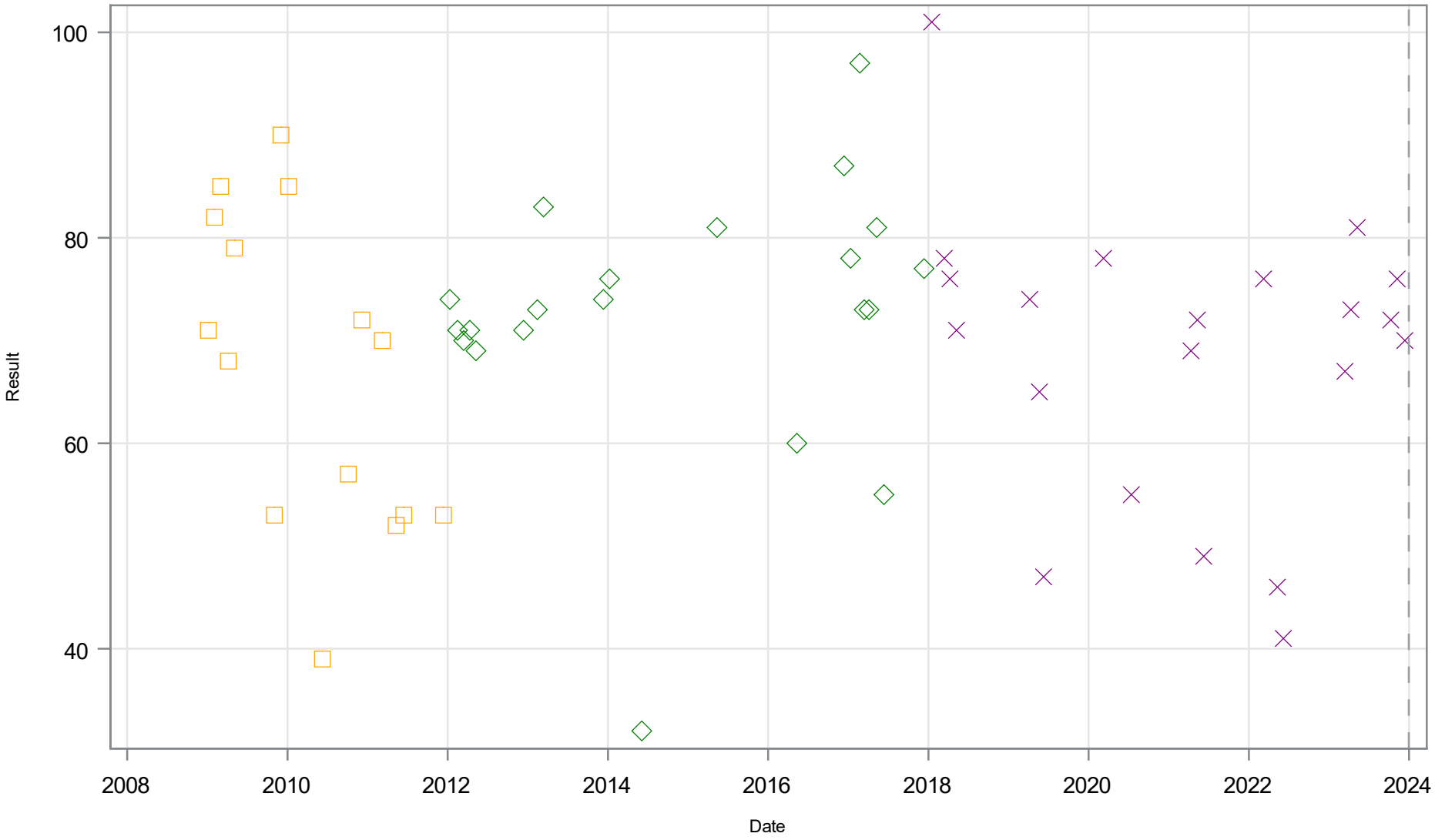
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1502
Result
110
100
90
80
70
60
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

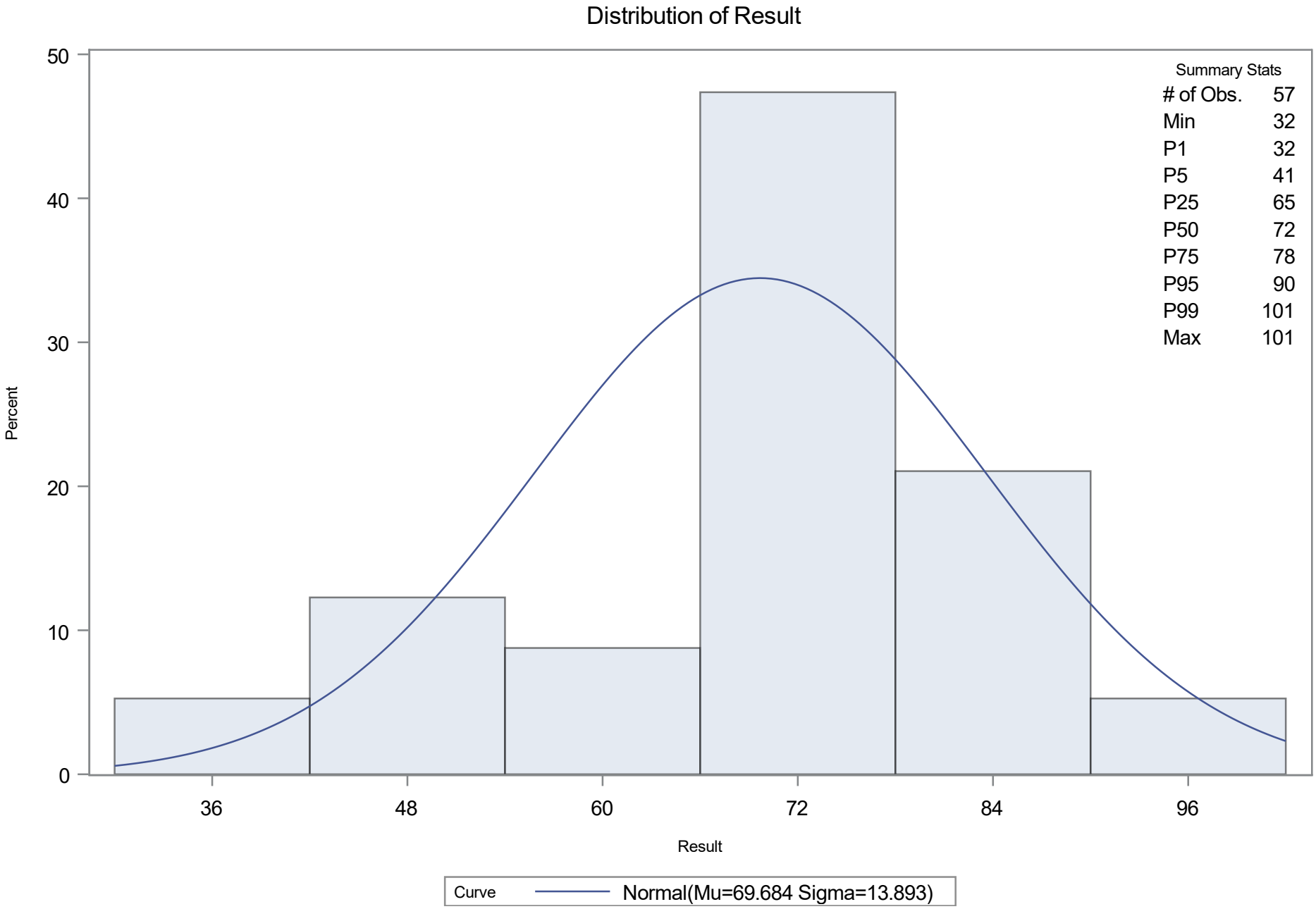
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	69.68421
Std Dev	Sigma	13.89265

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18211449	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.30953743	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.48454247	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	32.0000	37.3651
5.0	41.0000	46.8328
10.0	49.0000	51.8801
25.0	65.0000	60.3138
50.0	72.0000	69.6842
75.0	78.0000	79.0547
90.0	85.0000	87.4884
95.0	90.0000	92.5356
99.0	101.0000	102.0033

Period of Record: January 1996 through December 2023
Analysis Days Only

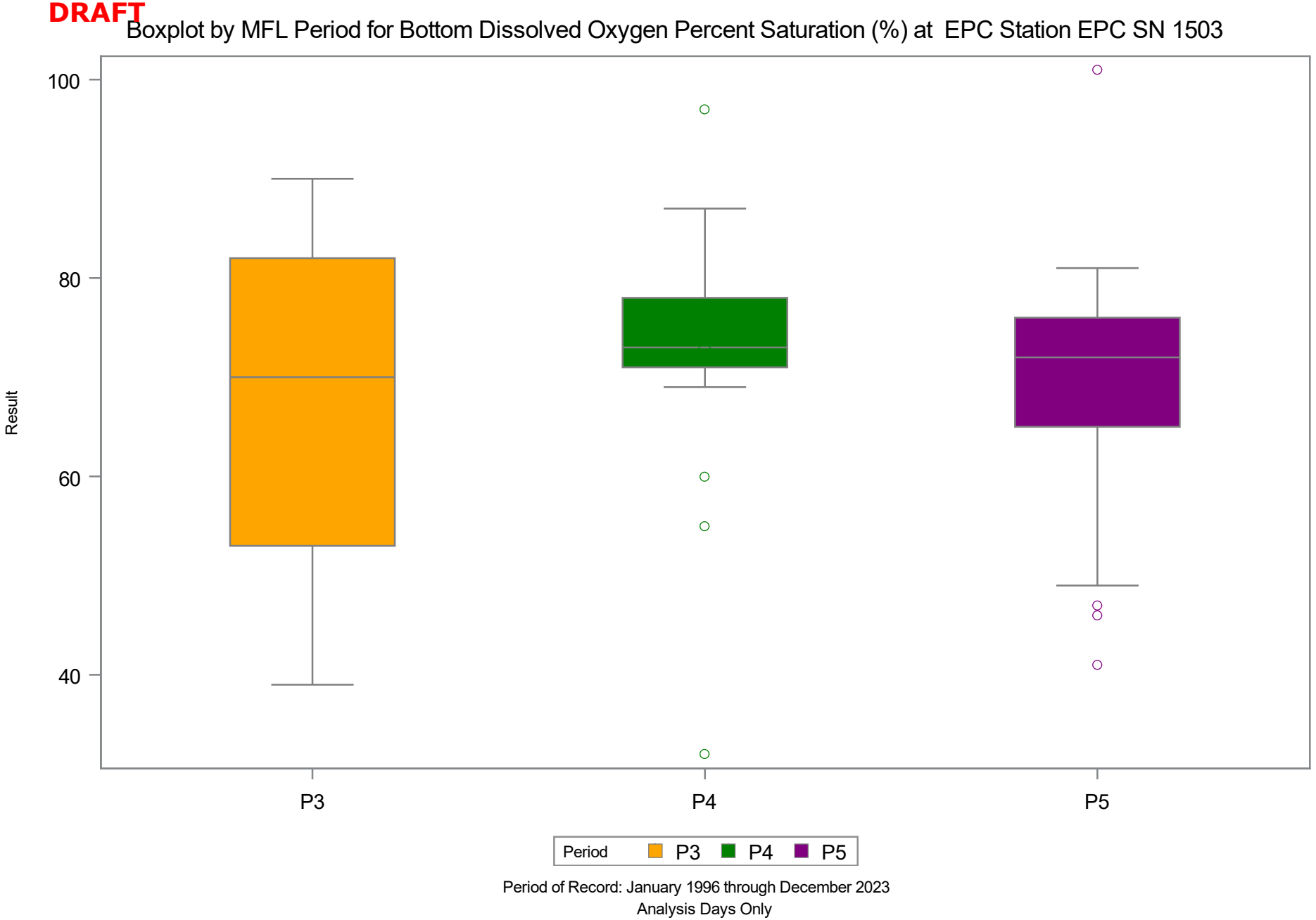
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503

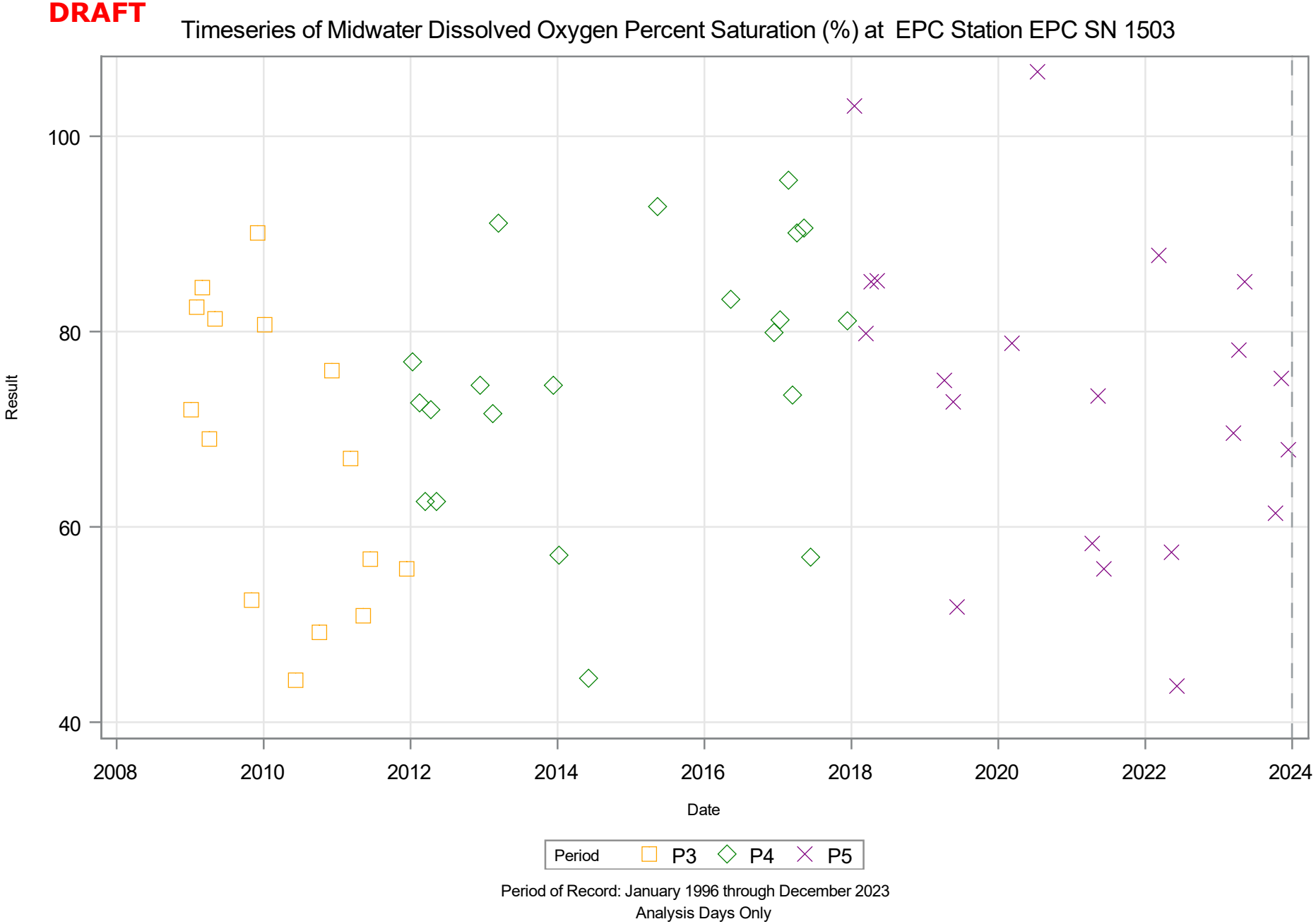
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	39.00	53.00	67.27	70.00	82.00	90.00
P4	21	32.00	71.00	72.67	73.00	78.00	97.00
P5	21	41.00	65.00	68.43	72.00	76.00	101.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

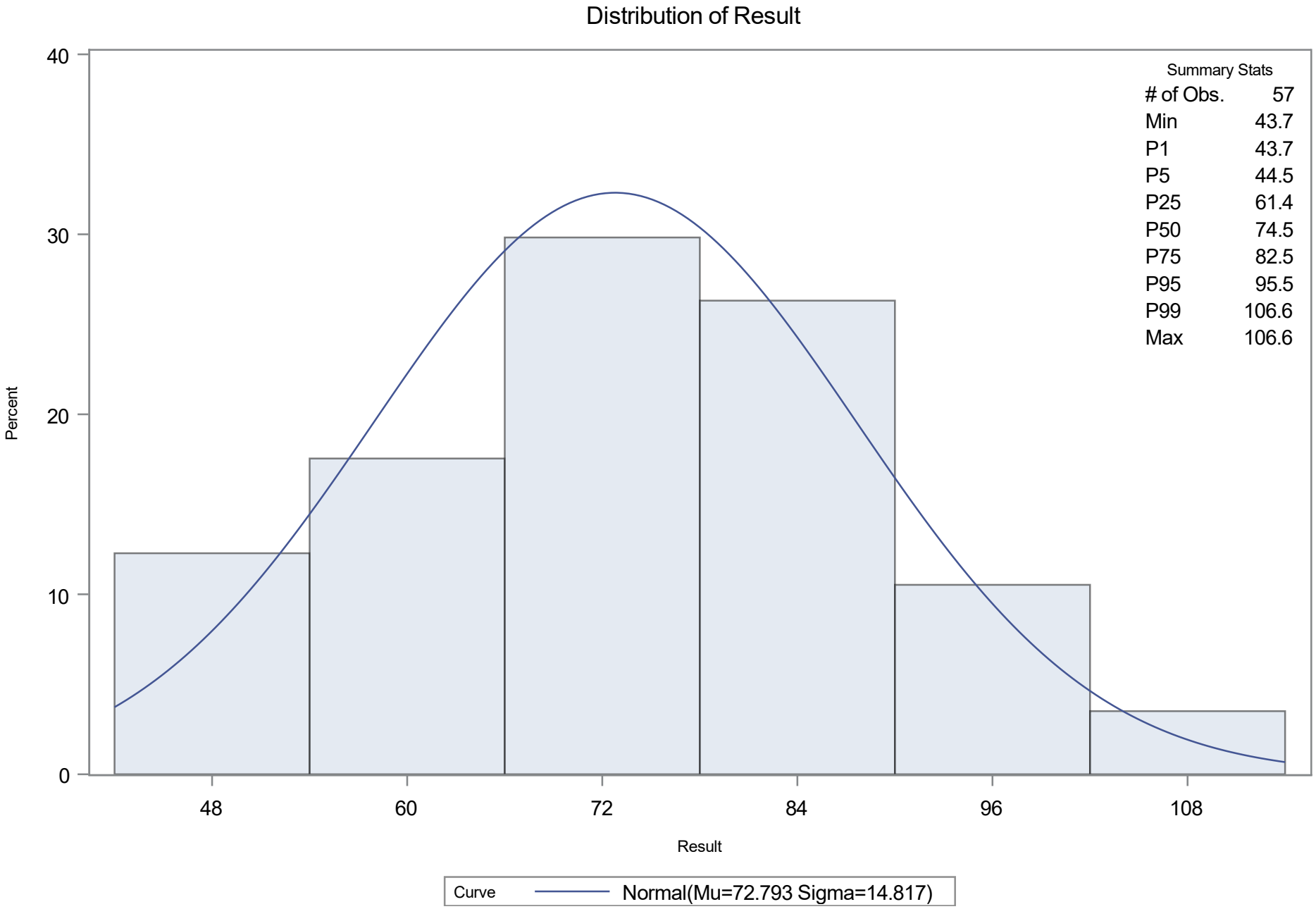

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503
Result
100
80
60
40
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	72.79298
Std Dev	Sigma	14.81676

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09949248	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07926625	**Pr > W-Sq**	0.215
Anderson-Darling	**A-Sq**	0.45265294	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	43.7000	38.3240
5.0	44.5000	48.4216
10.0	51.8000	53.8045
25.0	61.4000	62.7992
50.0	74.5000	72.7930
75.0	82.5000	82.7867
90.0	90.6000	91.7814
95.0	95.5000	97.1644
99.0	106.6000	107.2619

Period of Record: January 1996 through December 2023
Analysis Days Only

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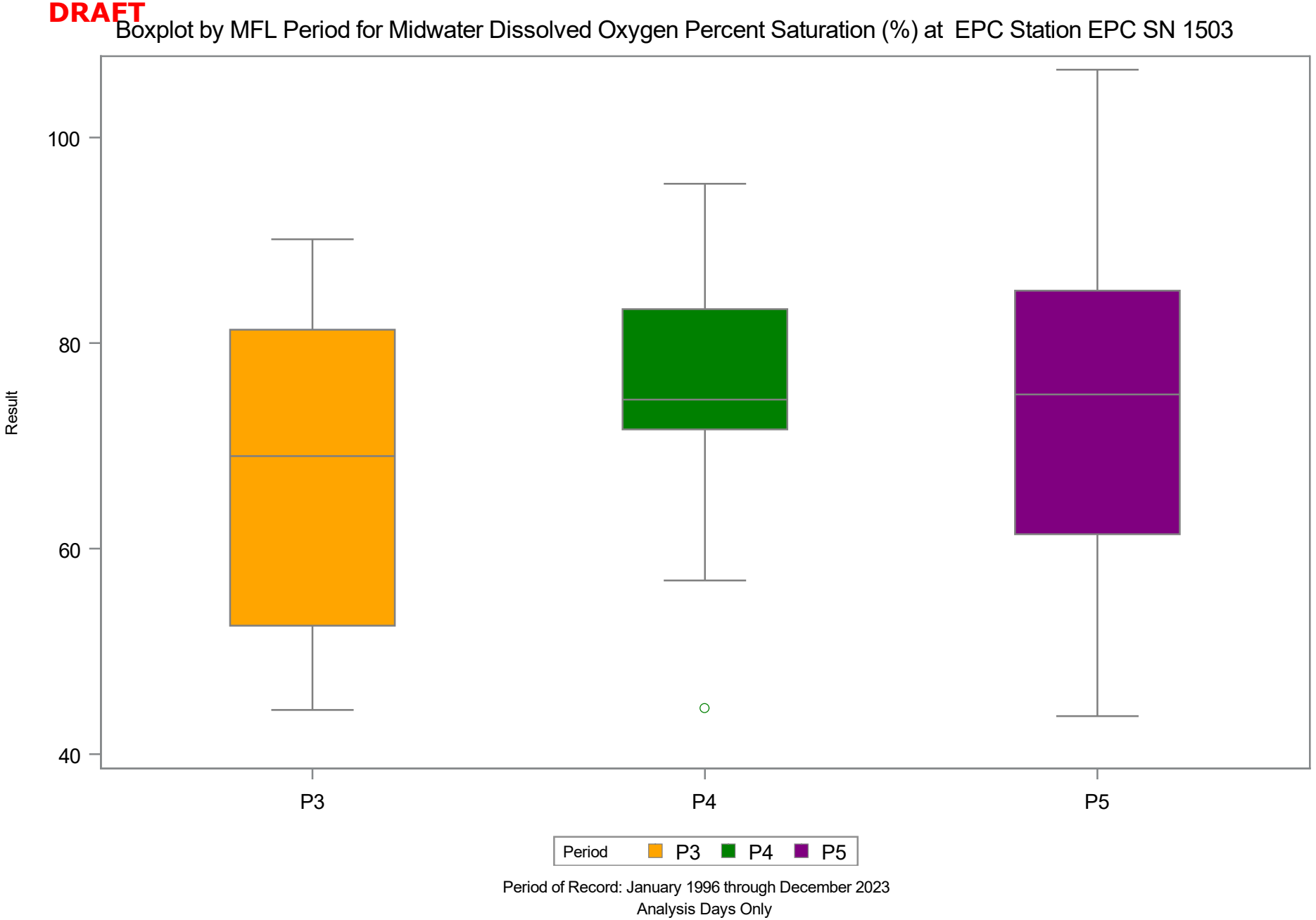
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503

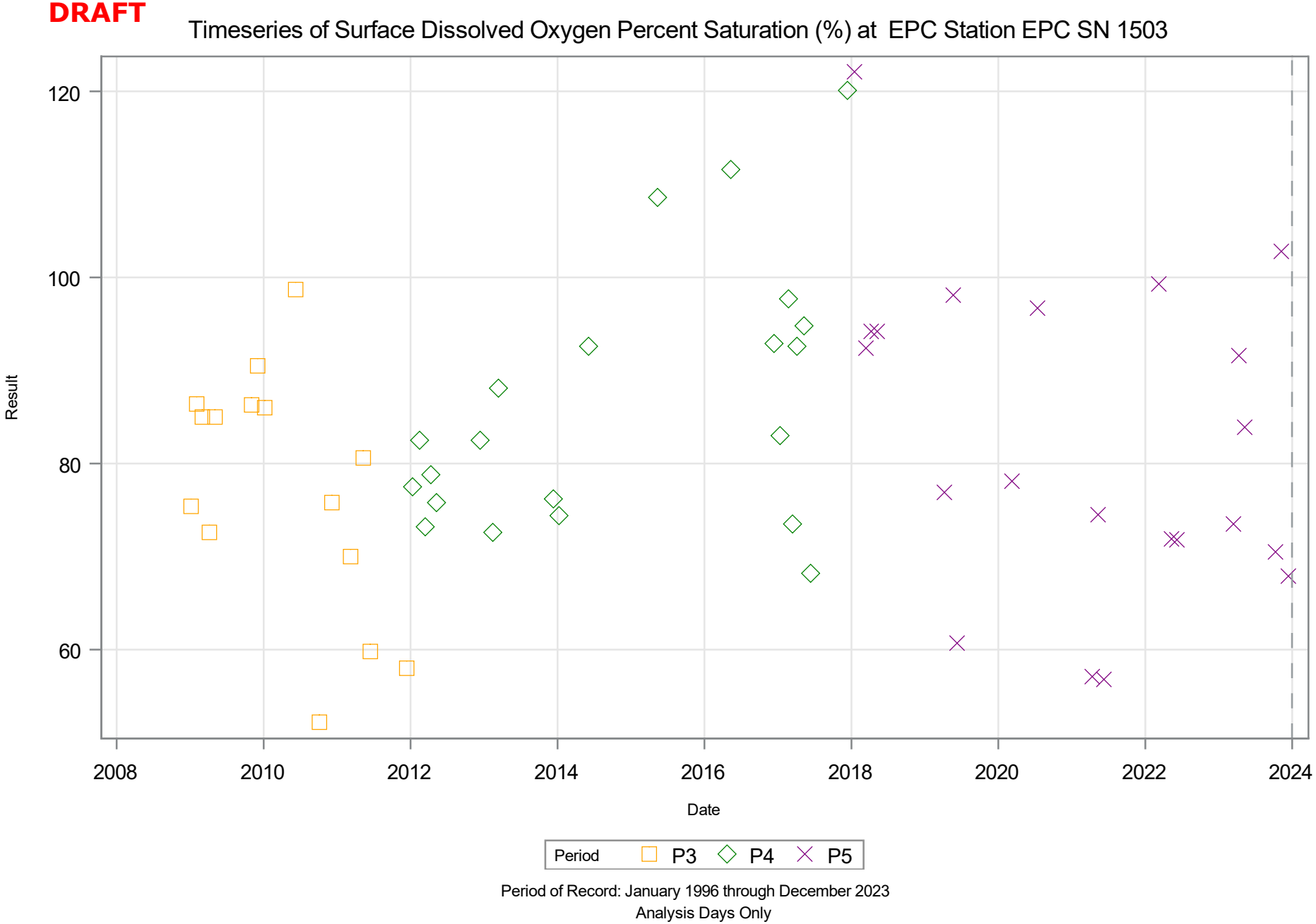
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	44.30	52.50	67.49	69.00	81.30	90.10
P4	21	44.50	71.60	75.48	74.50	83.30	95.50
P5	21	43.70	61.40	73.90	75.00	85.10	106.60

Period of Record: January 1996 through December 2023
Analysis Days Only

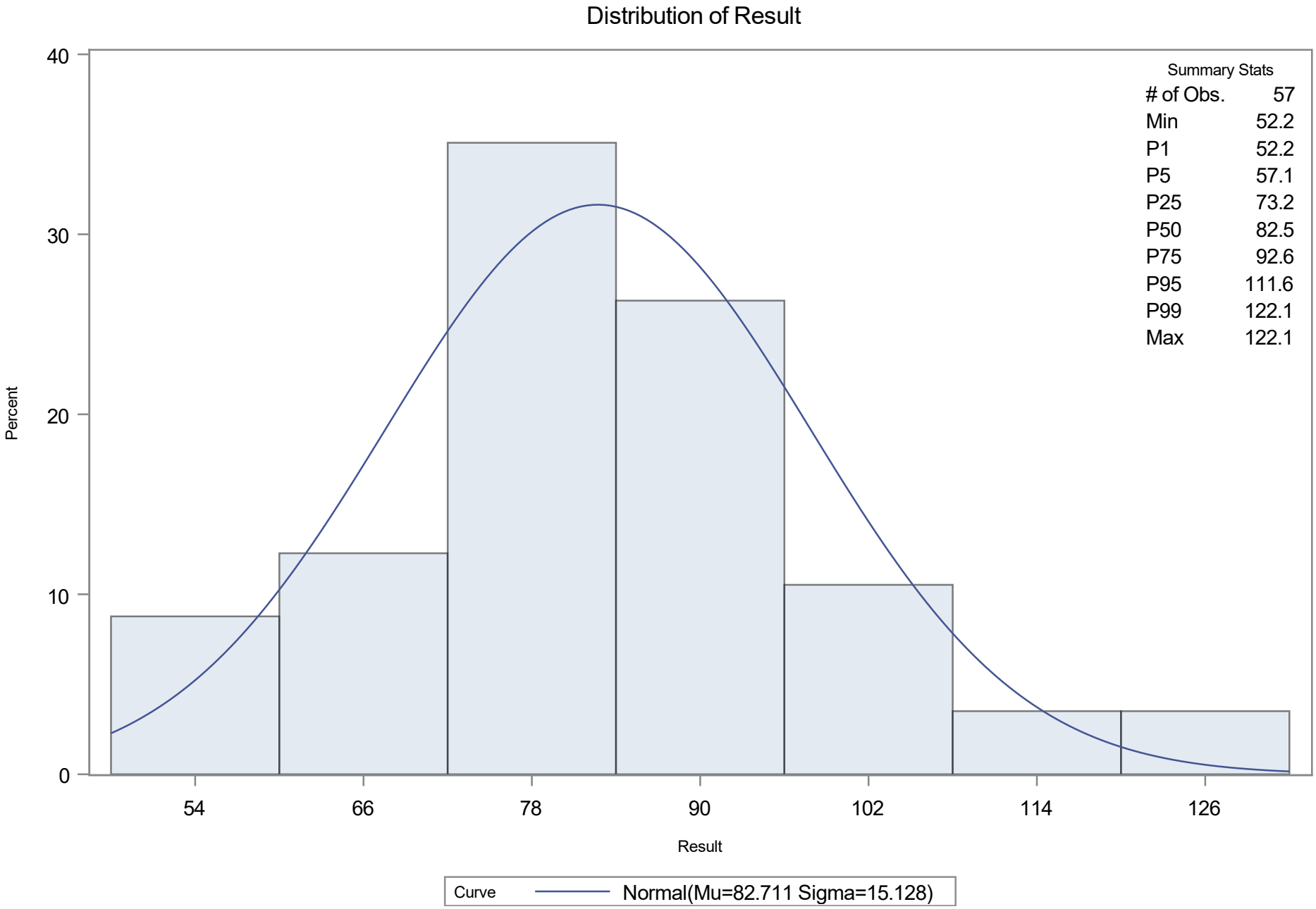
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503
Result
100
80
60
40
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503
Result
120
100
80
60
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	82.71053
Std Dev	Sigma	15.12835

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07586612	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05941331	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.39001419	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	52.2000	47.5167
5.0	57.1000	57.8266
10.0	60.7000	63.3228
25.0	73.2000	72.5066
50.0	82.5000	82.7105
75.0	92.6000	92.9144
90.0	99.3000	102.0983
95.0	111.6000	107.5945
99.0	122.1000	117.9043

Period of Record: January 1996 through December 2023
Analysis Days Only

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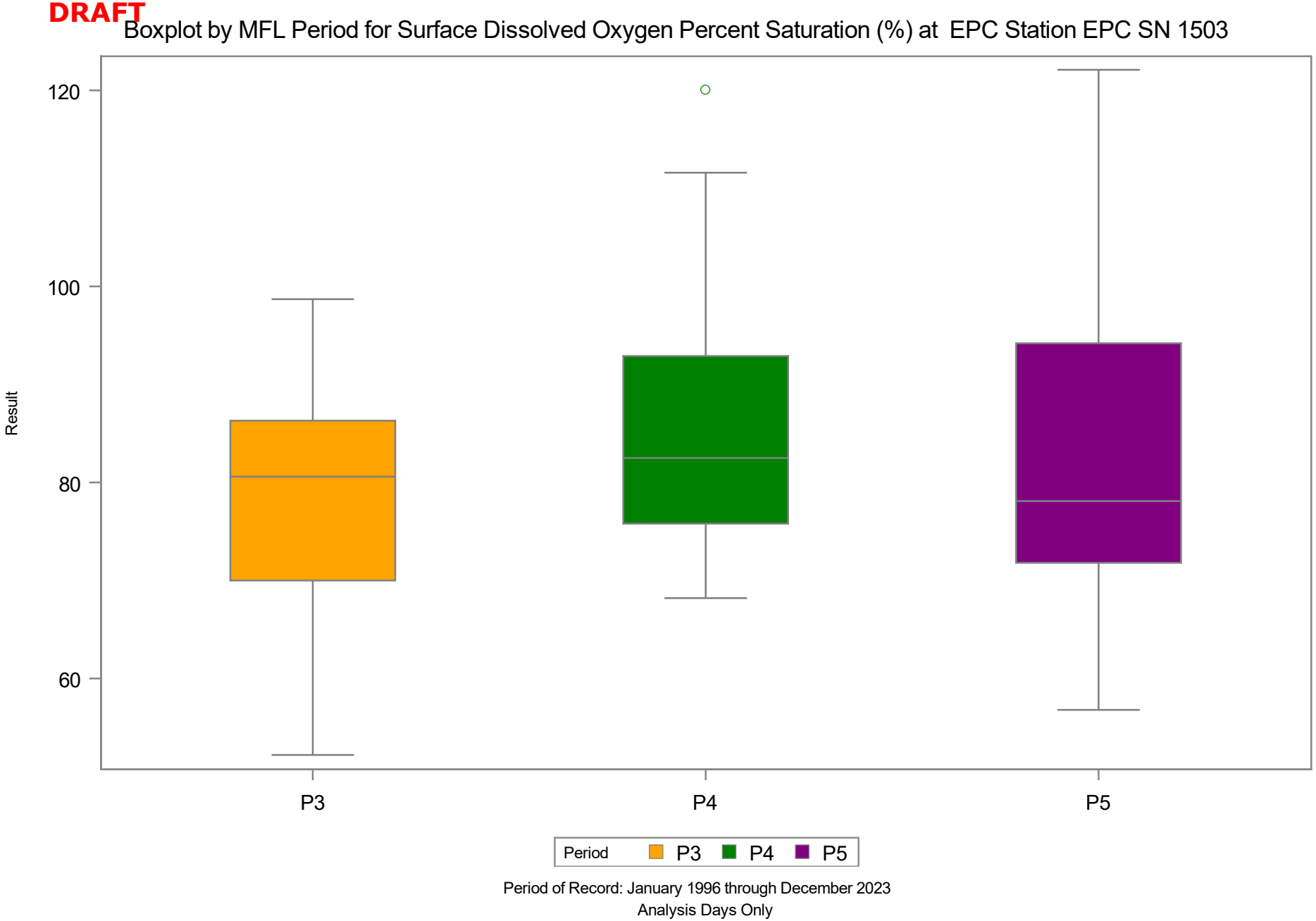
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503

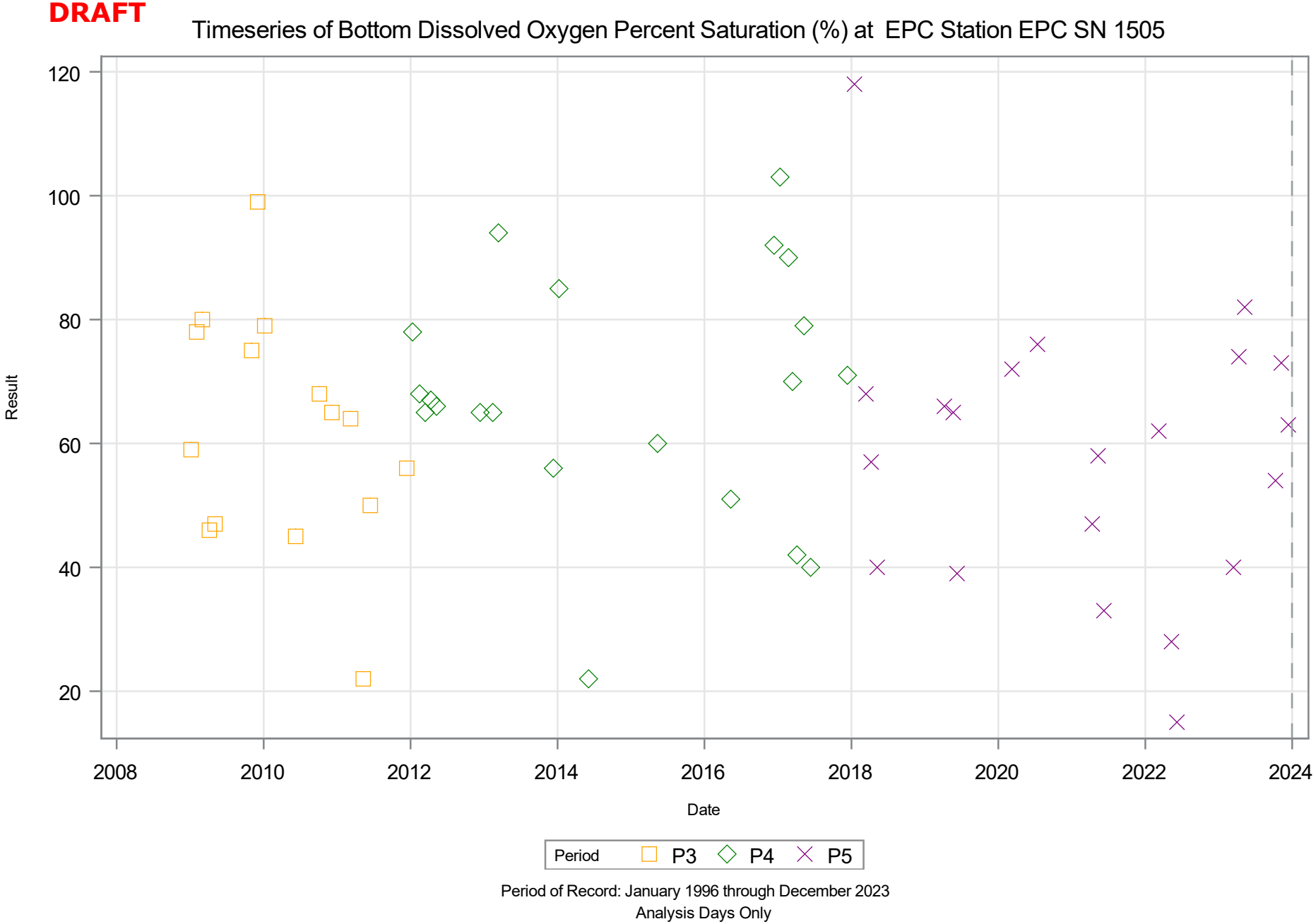
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	52.20	70.00	77.49	80.60	86.30	98.70
P4	21	68.20	75.80	86.53	82.50	92.90	120.10
P5	21	56.80	71.80	82.62	78.10	94.20	122.10

Period of Record: January 1996 through December 2023
Analysis Days Only

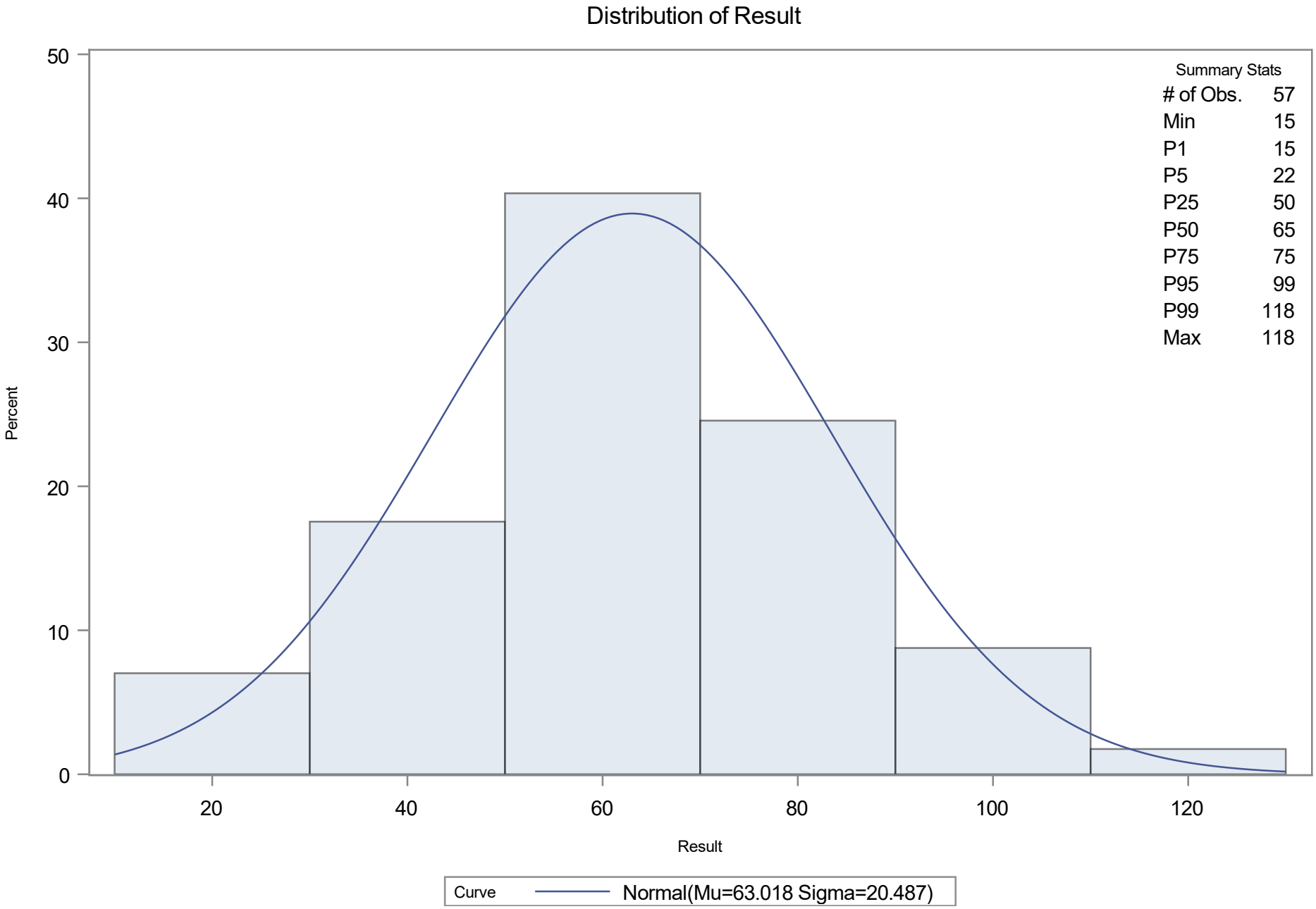
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1503
Result
120
100
80
60
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505
Result
120
100
80
60
40
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	63.01754
Std Dev	Sigma	20.48736

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08240308	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06201983	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33281472	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0000	15.3568
5.0	22.0000	29.3188
10.0	39.0000	36.7619
25.0	50.0000	49.1990
50.0	65.0000	63.0175
75.0	75.0000	76.8361
90.0	90.0000	89.2731
95.0	99.0000	96.7162
99.0	118.0000	110.6783

Period of Record: January 1996 through December 2023
Analysis Days Only

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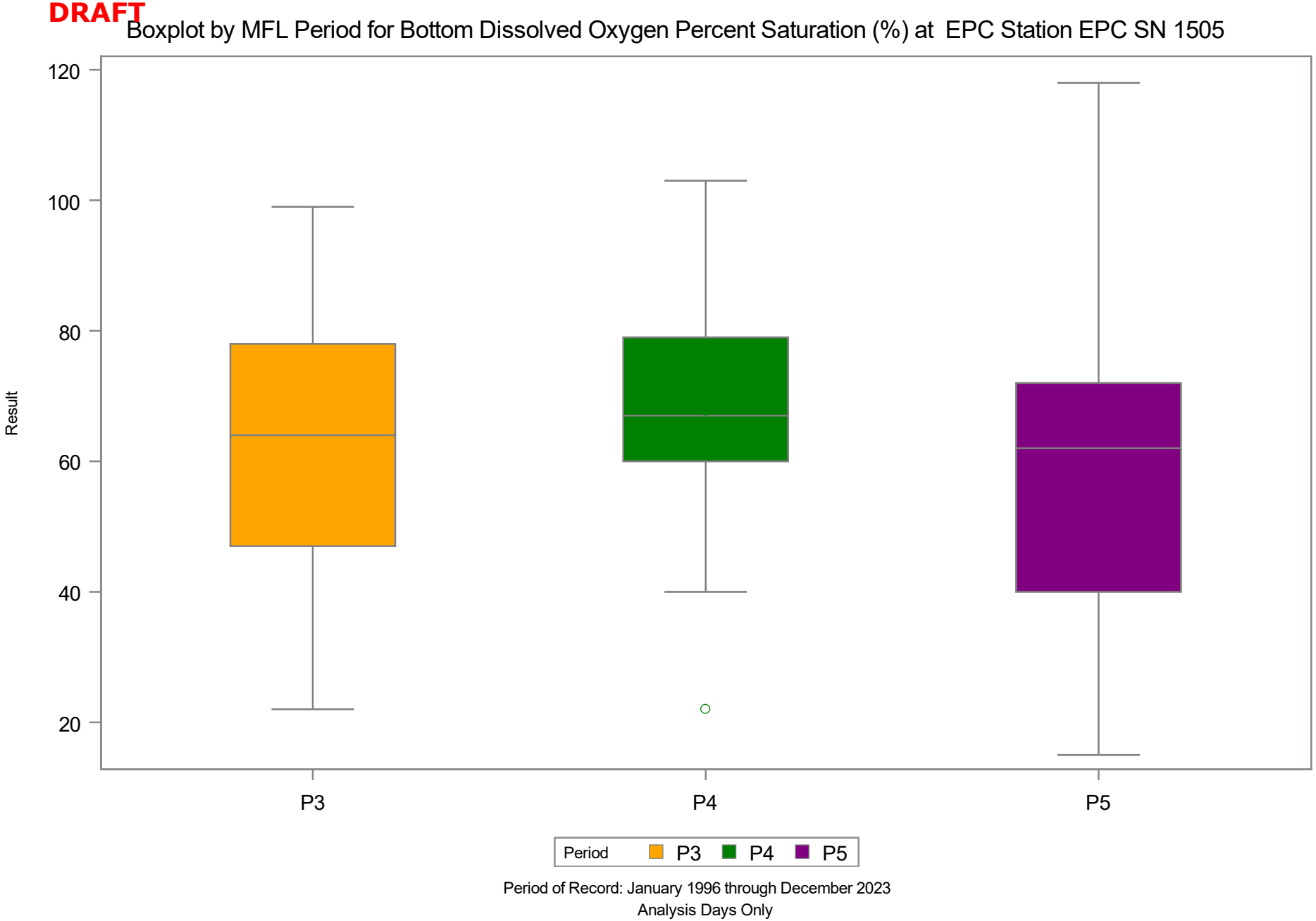
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	22.00	47.00	62.20	64.00	78.00	99.00
P4	21	22.00	60.00	68.05	67.00	79.00	103.00
P5	21	15.00	40.00	58.57	62.00	72.00	118.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505
Result
120
100
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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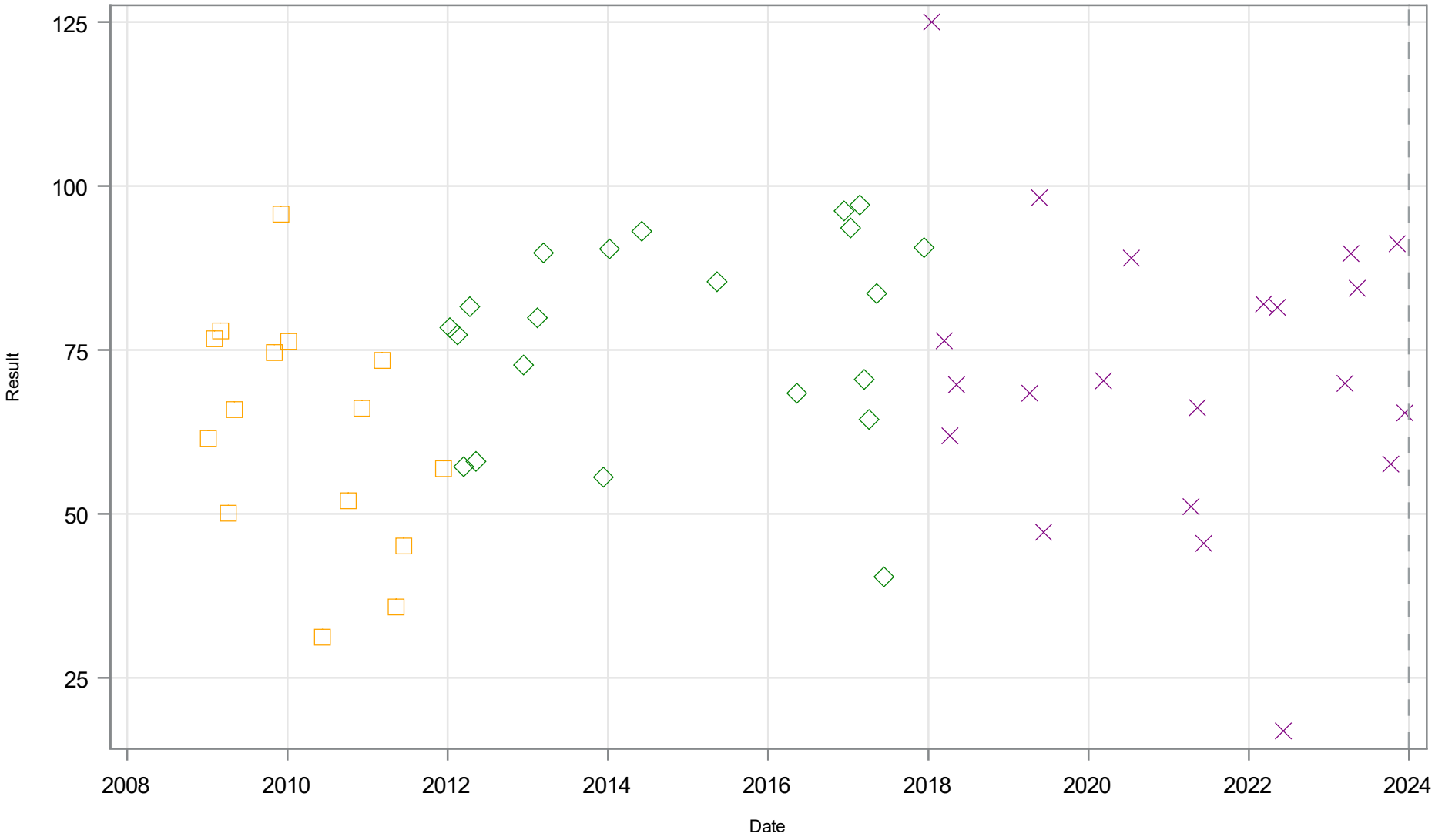
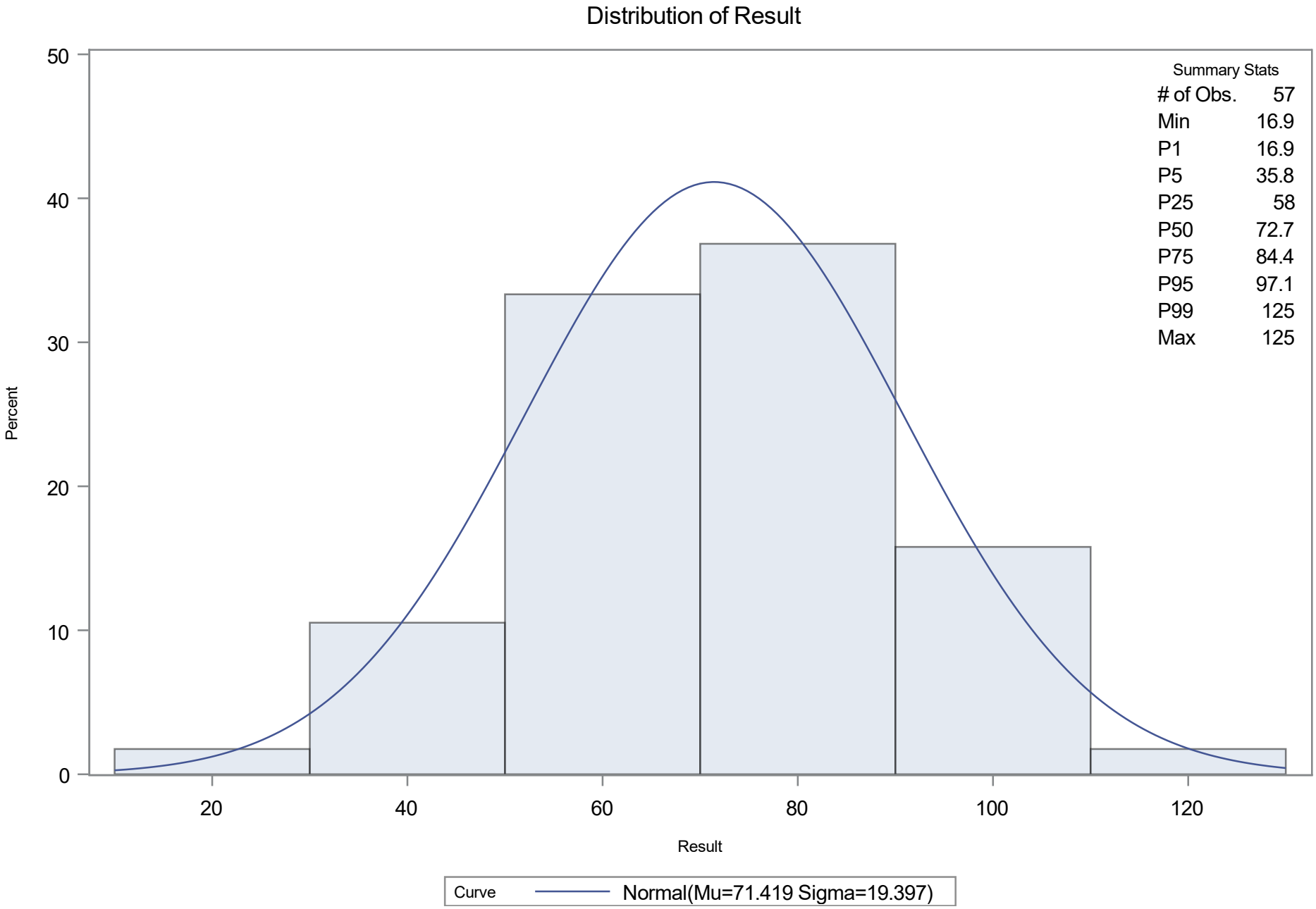
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	71.4193
Std Dev	Sigma	19.39701

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06614772	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03718237	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29770075	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.9000	26.2951
5.0	35.8000	39.5141
10.0	45.5000	46.5610
25.0	58.0000	58.3362
50.0	72.7000	71.4193
75.0	84.4000	84.5024
90.0	93.6000	96.2776
95.0	97.1000	103.3245
99.0	125.0000	116.5435

Period of Record: January 1996 through December 2023
Analysis Days Only

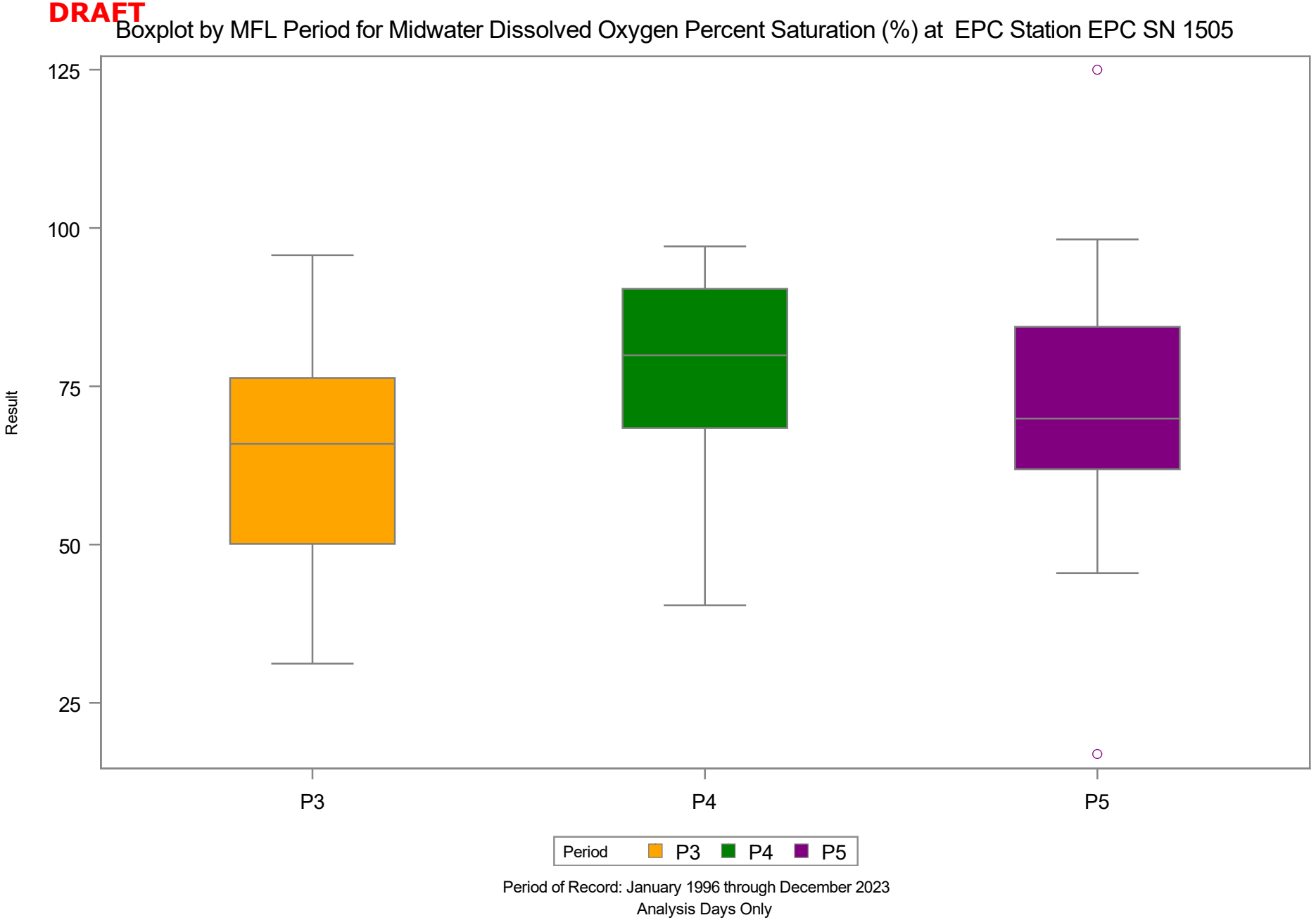
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	31.20	50.10	62.61	65.90	76.30	95.70
P4	21	40.40	68.40	77.34	79.90	90.40	97.10
P5	21	16.90	61.90	71.79	69.90	84.40	125.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505
125
100
75
50
25
Result
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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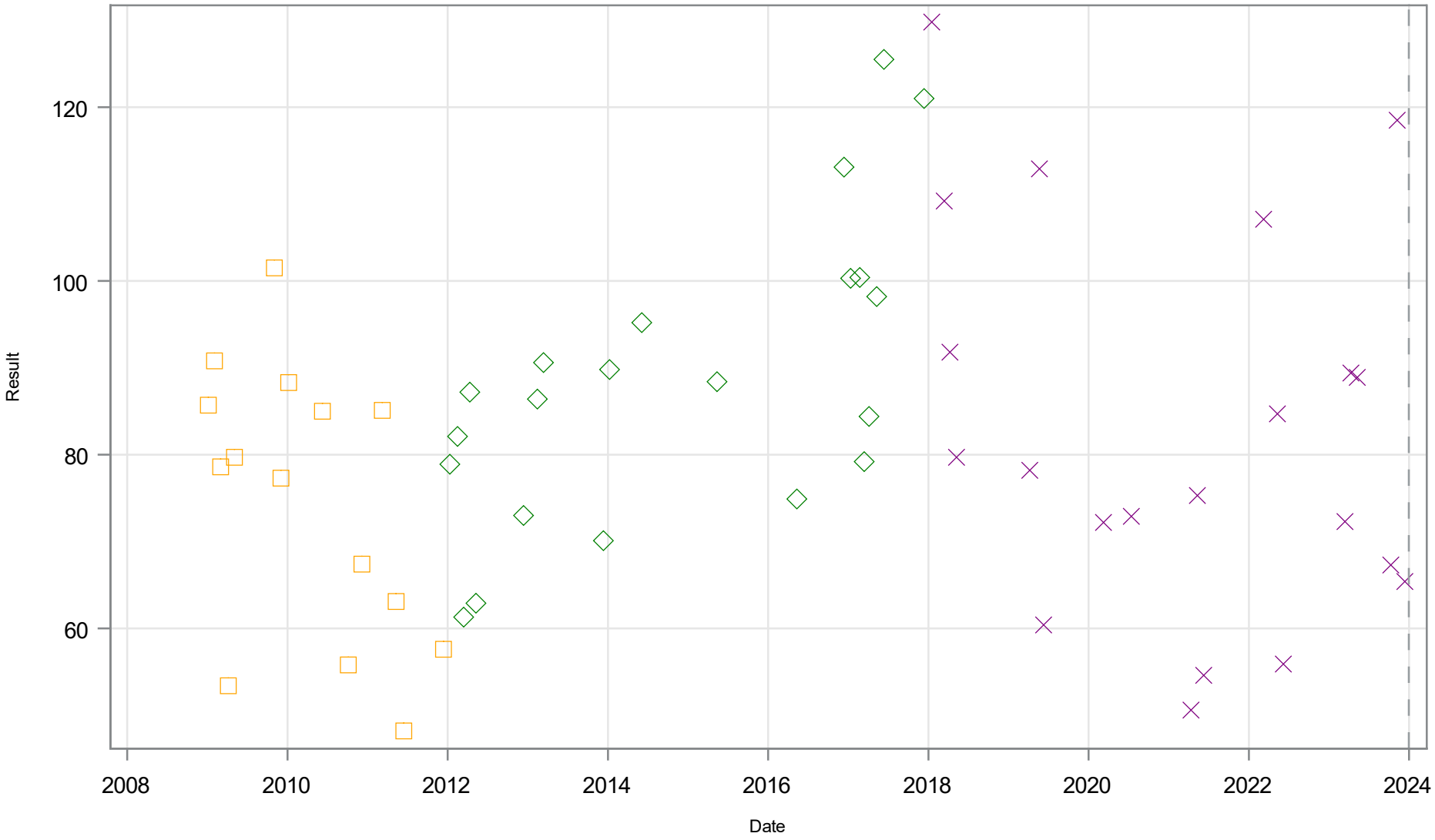
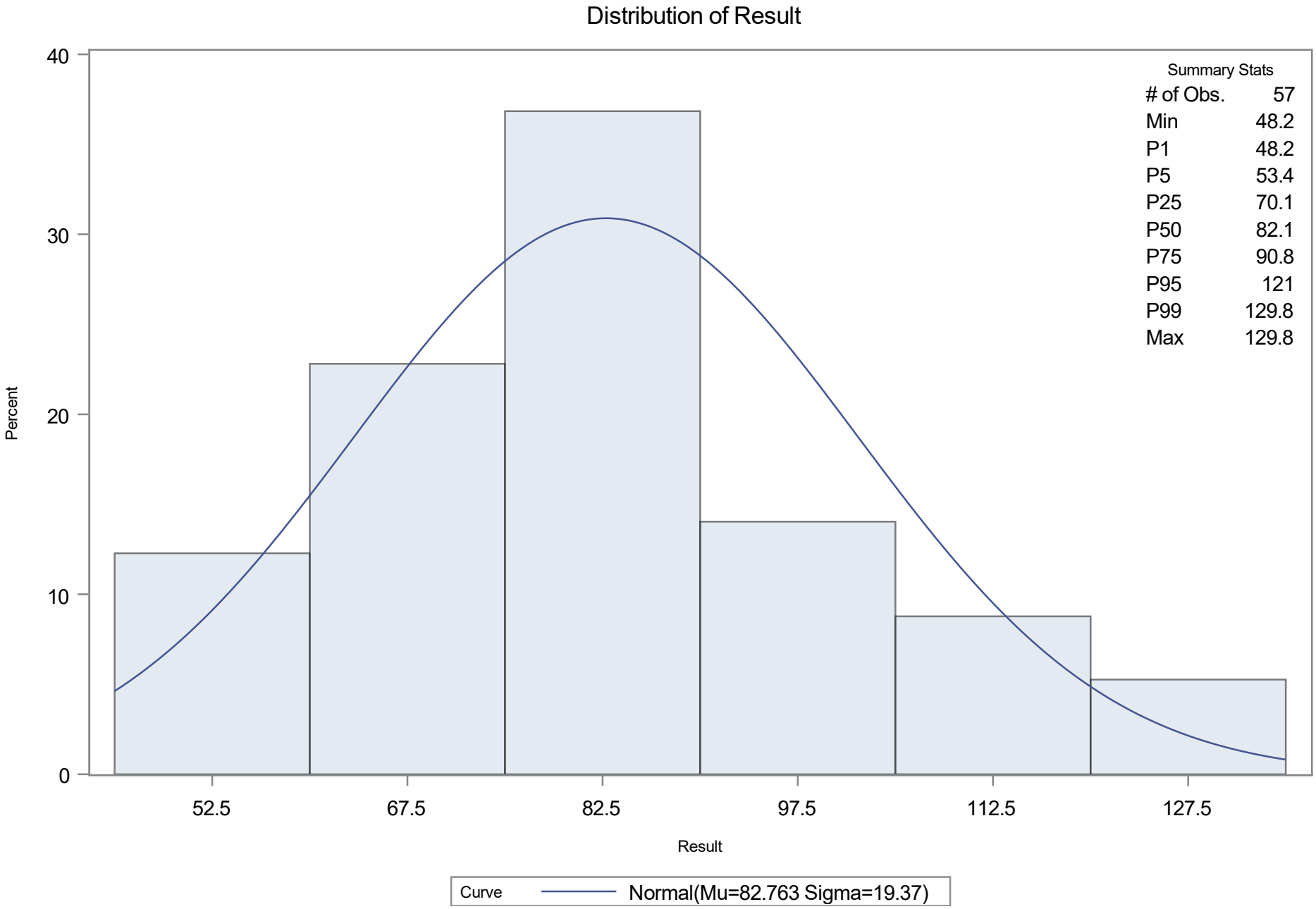
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	82.76316
Std Dev	Sigma	19.37019

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09349066	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05387692	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37969955	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	48.2000	37.7014
5.0	53.4000	50.9020
10.0	55.9000	57.9393
25.0	70.1000	69.6982
50.0	82.1000	82.7632
75.0	90.8000	95.8282
90.0	112.9000	107.5871
95.0	121.0000	114.6243
99.0	129.8000	127.8250

Period of Record: January 1996 through December 2023
Analysis Days Only

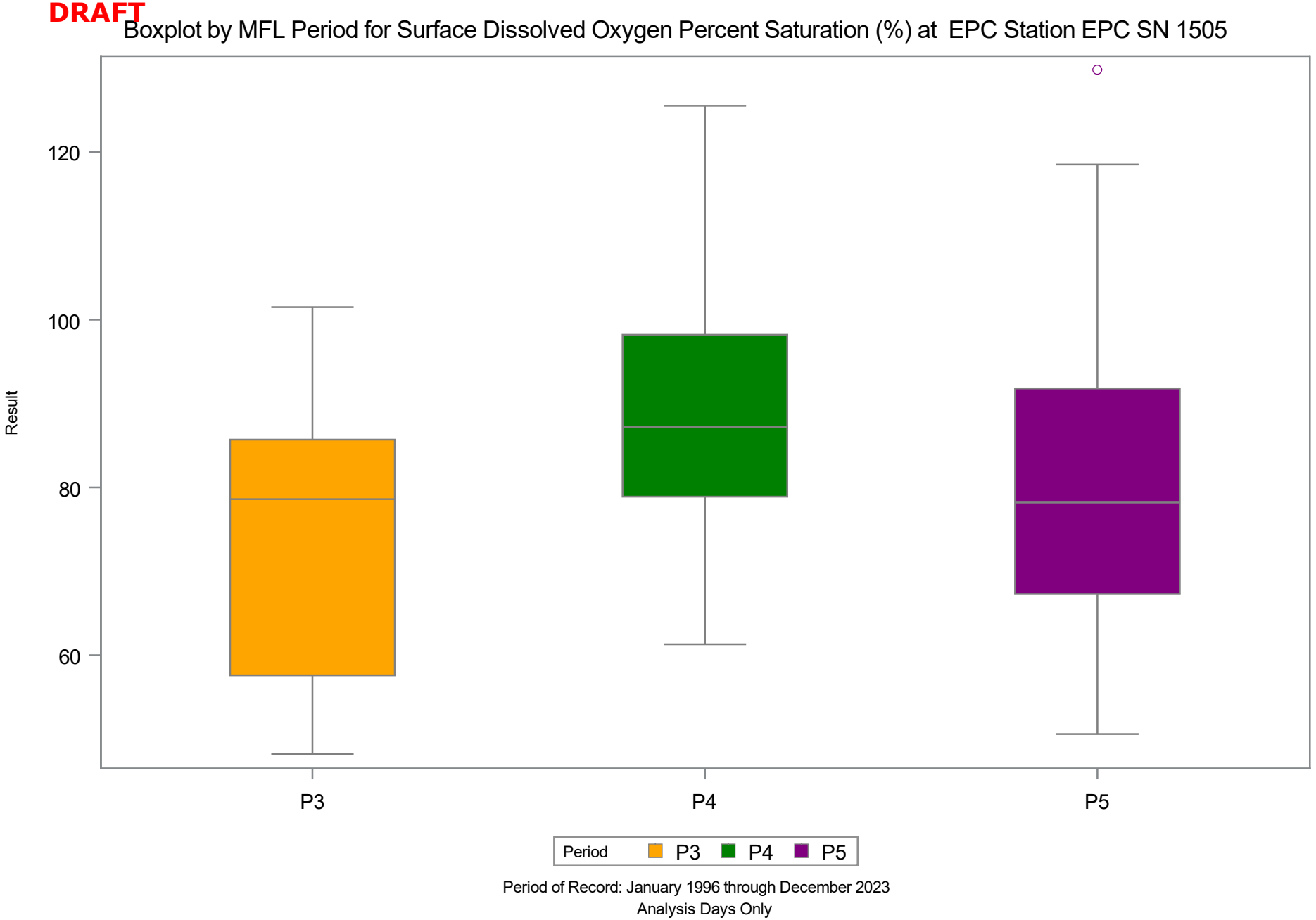
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	48.20	57.60	74.50	78.60	85.70	101.50
P4	21	61.30	78.90	88.71	87.20	98.20	125.50
P5	21	50.60	67.30	82.72	78.20	91.80	129.80

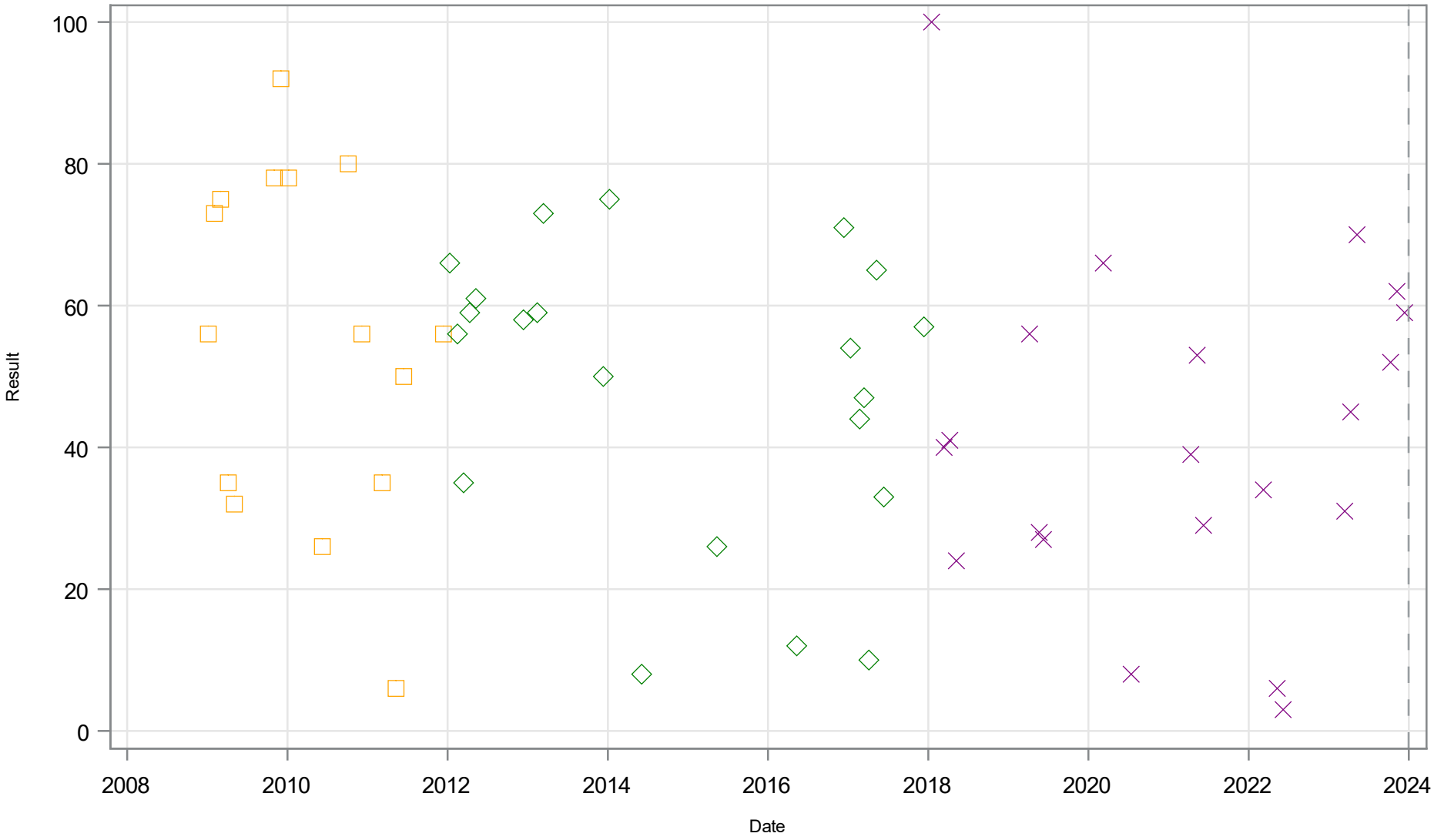
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1505
Result
120
100
80
60
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

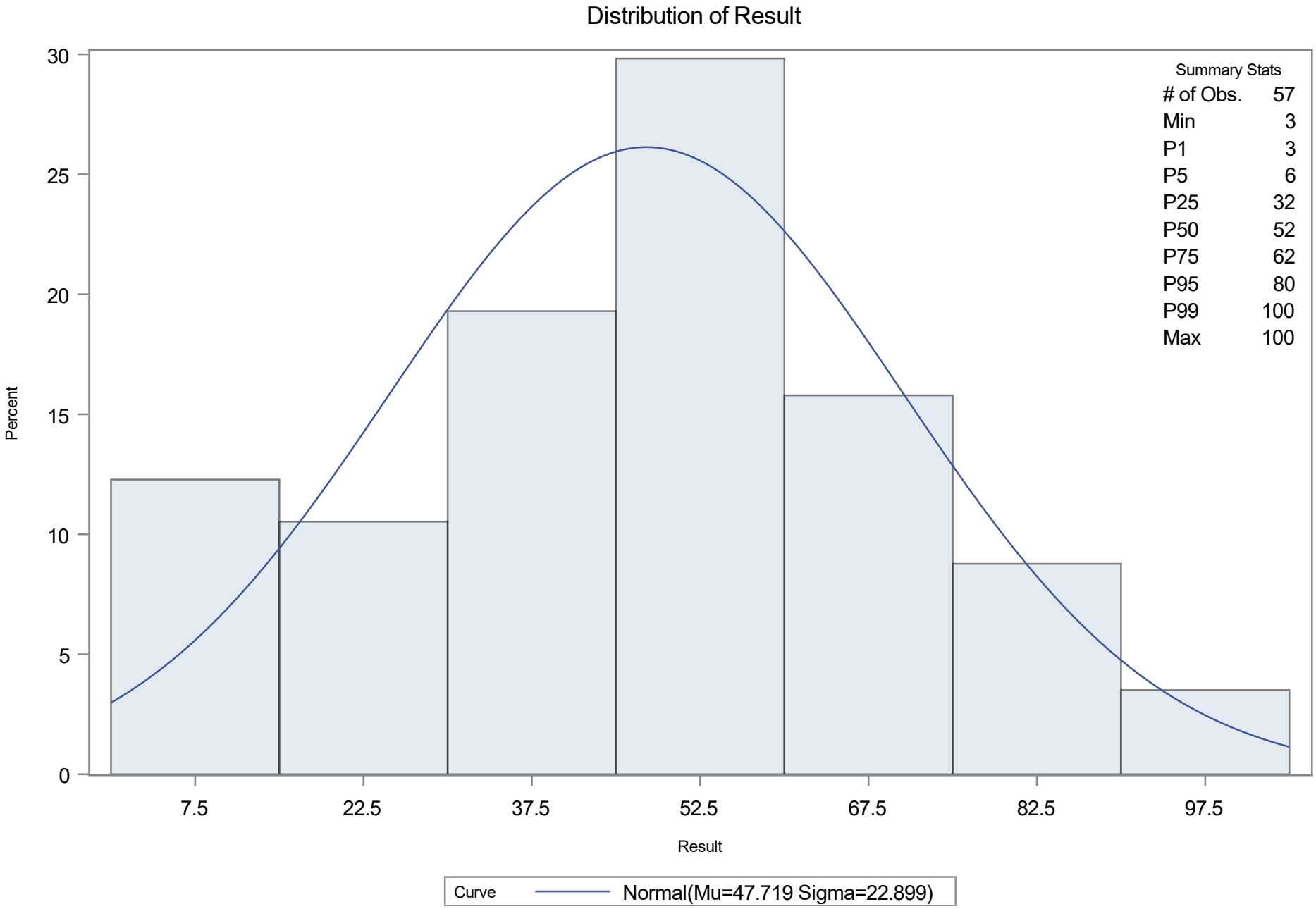
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	47.7193
Std Dev	Sigma	22.89865

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09732382	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06545423	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.42729515	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.00000	-5.55094
5.0	6.00000	10.05436
10.0	10.00000	18.37349
25.0	32.00000	32.27439
50.0	52.00000	47.71930
75.0	62.00000	63.16421
90.0	75.00000	77.06510
95.0	80.00000	85.38423
99.0	100.00000	100.98953

Period of Record: January 1996 through December 2023
Analysis Days Only

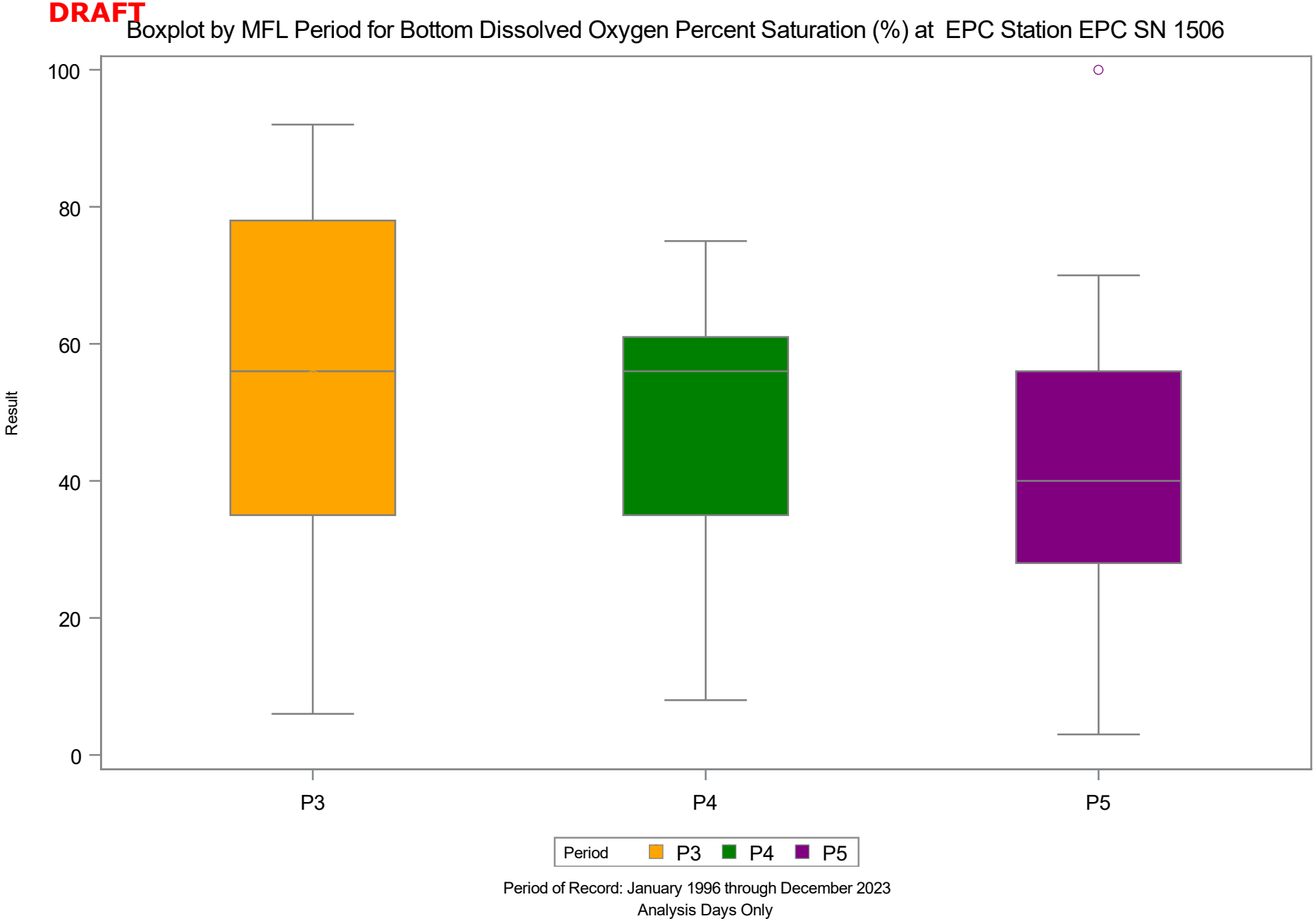
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	6.00	35.00	55.20	56.00	78.00	92.00
P4	21	8.00	35.00	48.52	56.00	61.00	75.00
P5	21	3.00	28.00	41.57	40.00	56.00	100.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

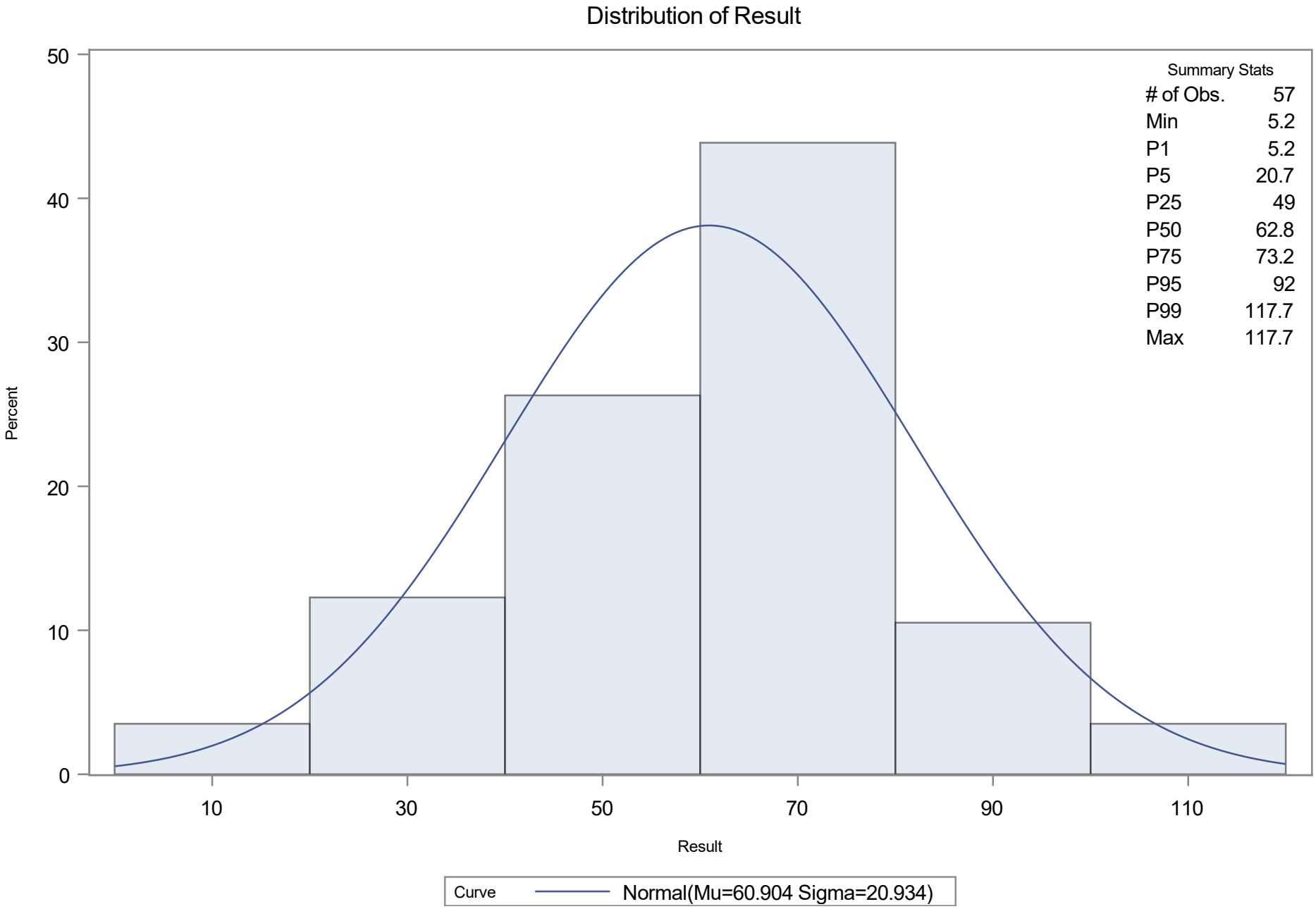

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506**



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	60.90351
Std Dev	Sigma	20.93378

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09602689	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07873754	**Pr > W-Sq**	0.218
Anderson-Darling	**A-Sq**	0.45280841	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.20000	12.2043
5.0	20.70000	26.4705
10.0	32.40000	34.0758
25.0	49.00000	46.7839
50.0	62.80000	60.9035
75.0	73.20000	75.0231
90.0	83.70000	87.7312
95.0	92.00000	95.3365
99.0	117.70000	109.6028

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	18.50	45.50	57.47	61.80	73.20	75.10
P4	21	5.20	52.50	63.06	64.70	73.10	106.30
P5	21	20.70	44.80	61.20	62.30	74.00	117.70

Period of Record: January 1996 through December 2023
Analysis Days Only

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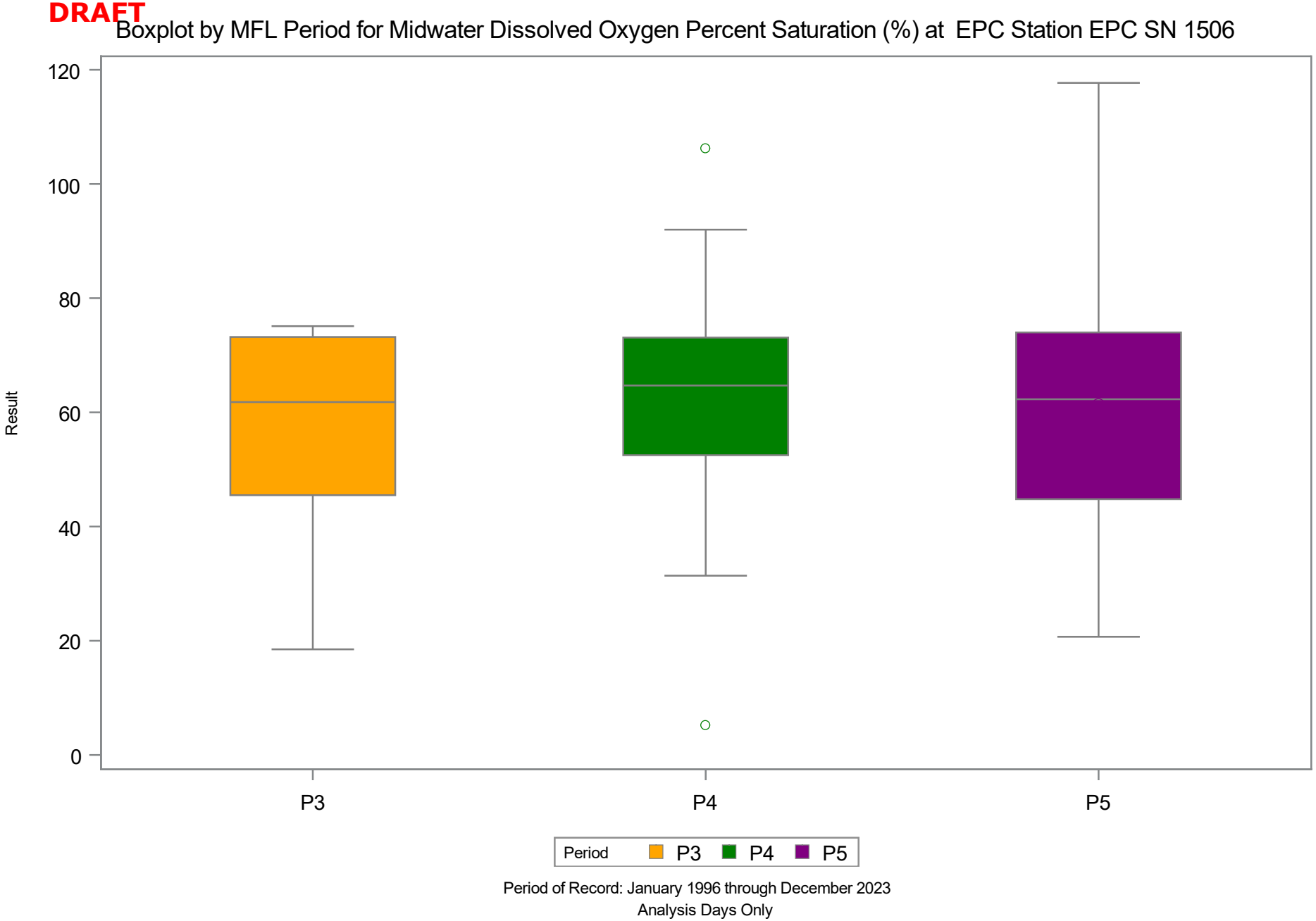
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506
Result
120
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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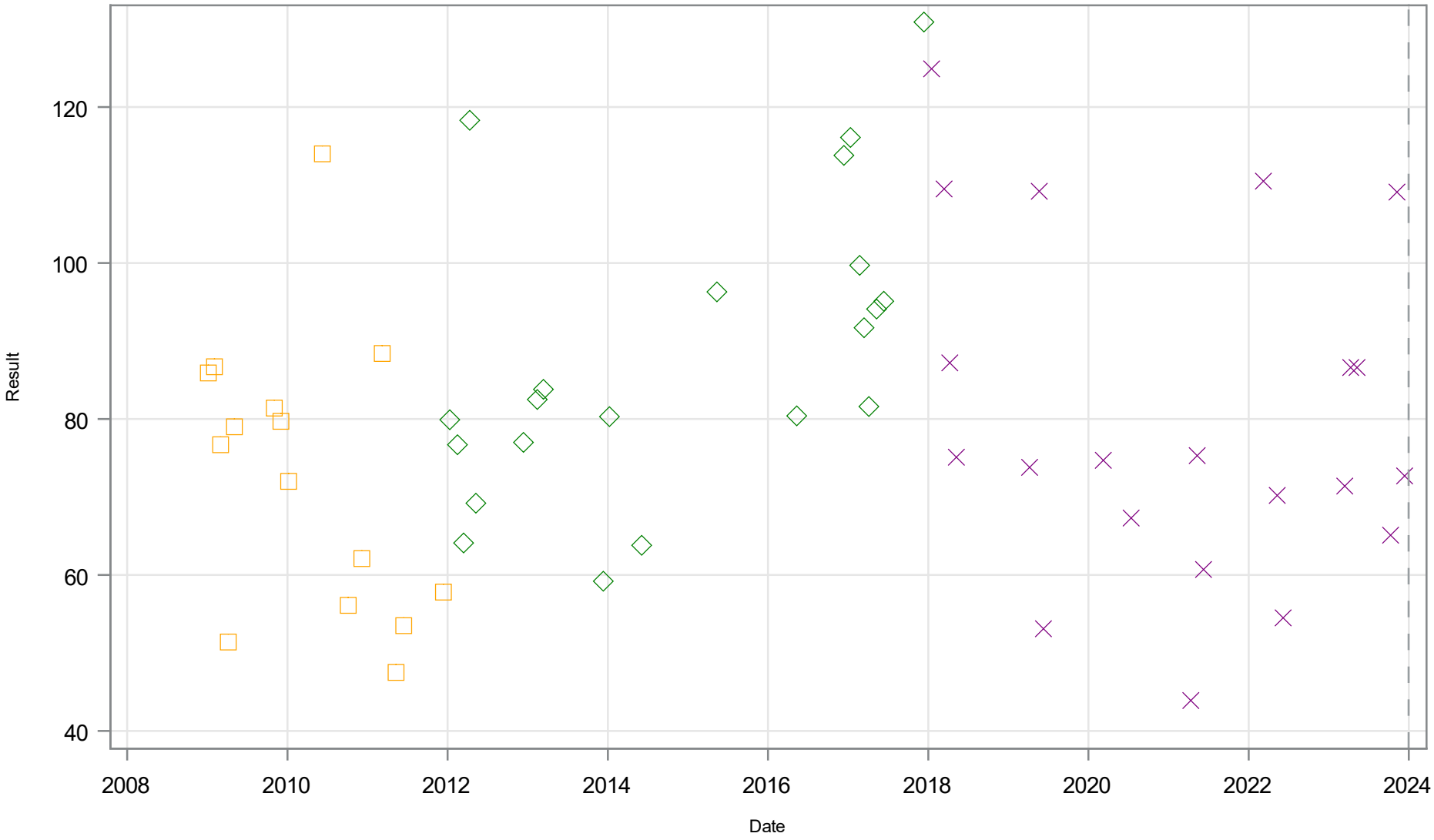
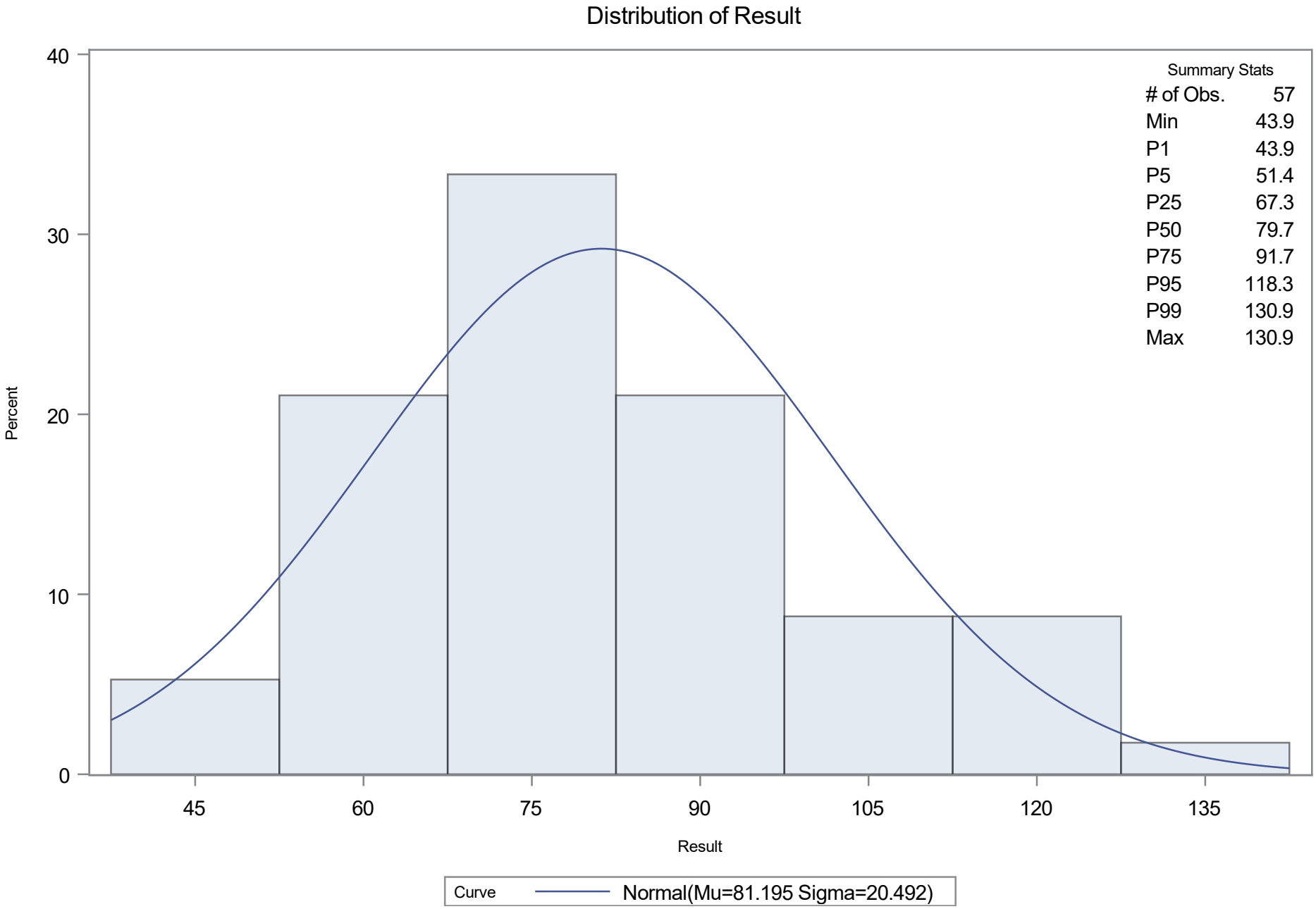
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	81.19474
Std Dev	Sigma	20.49226

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10404008	**Pr > D**	0.126
Cramer-von Mises	**W-Sq**	0.09986681	**Pr > W-Sq**	0.113
Anderson-Darling	**A-Sq**	0.62380199	**Pr > A-Sq**	0.099

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	43.9000	33.5226
5.0	51.4000	47.4880
10.0	54.5000	54.9329
25.0	67.3000	67.3729
50.0	79.7000	81.1947
75.0	91.7000	95.0166
90.0	113.8000	107.4566
95.0	118.3000	114.9015
99.0	130.9000	128.8669

Period of Record: January 1996 through December 2023
Analysis Days Only

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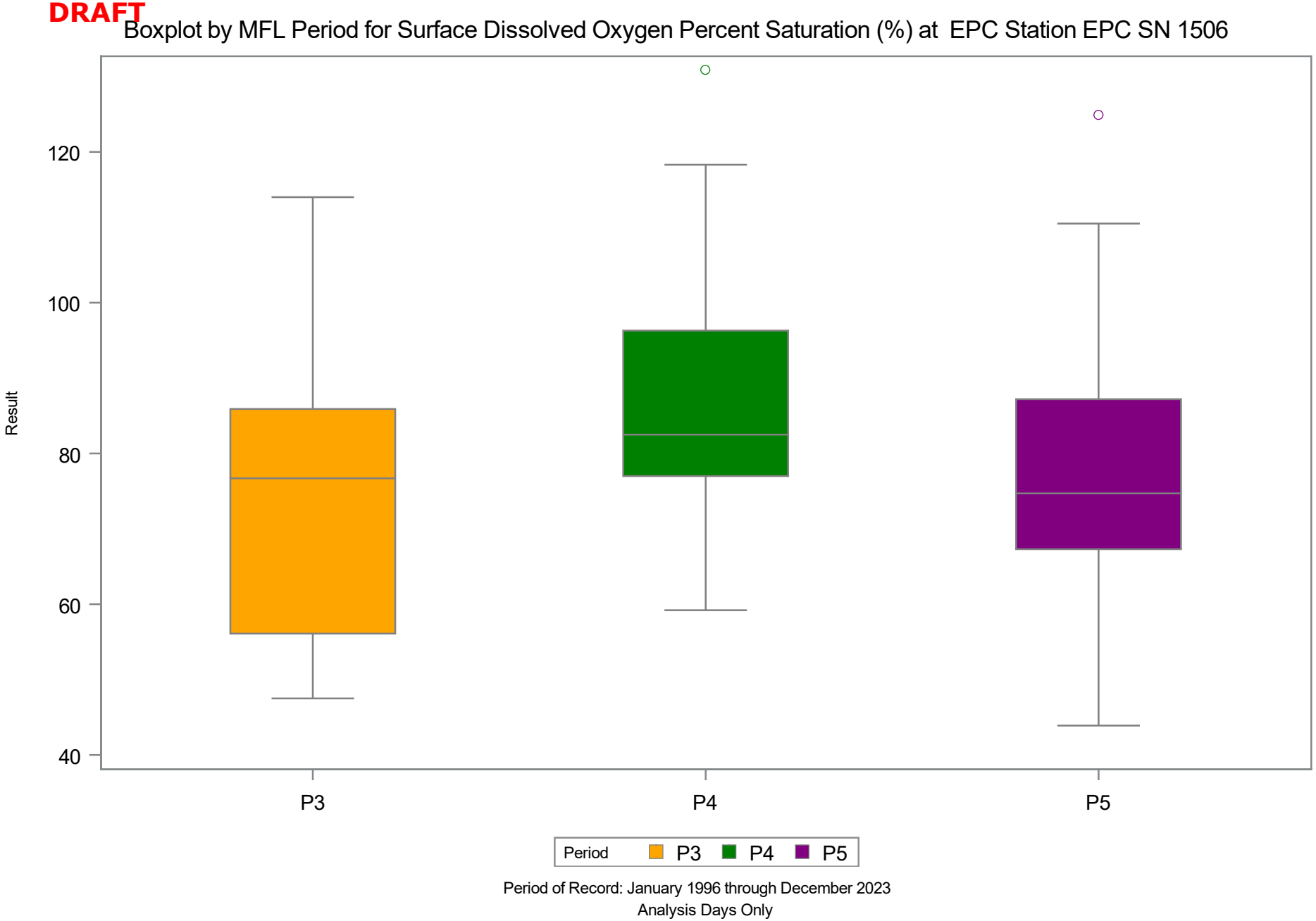
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	47.50	56.10	72.81	76.70	85.90	114.00
P4	21	59.20	77.00	88.31	82.50	96.30	130.90
P5	21	43.90	67.30	80.07	74.70	87.20	124.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1506
Result
120
100
80
60
40
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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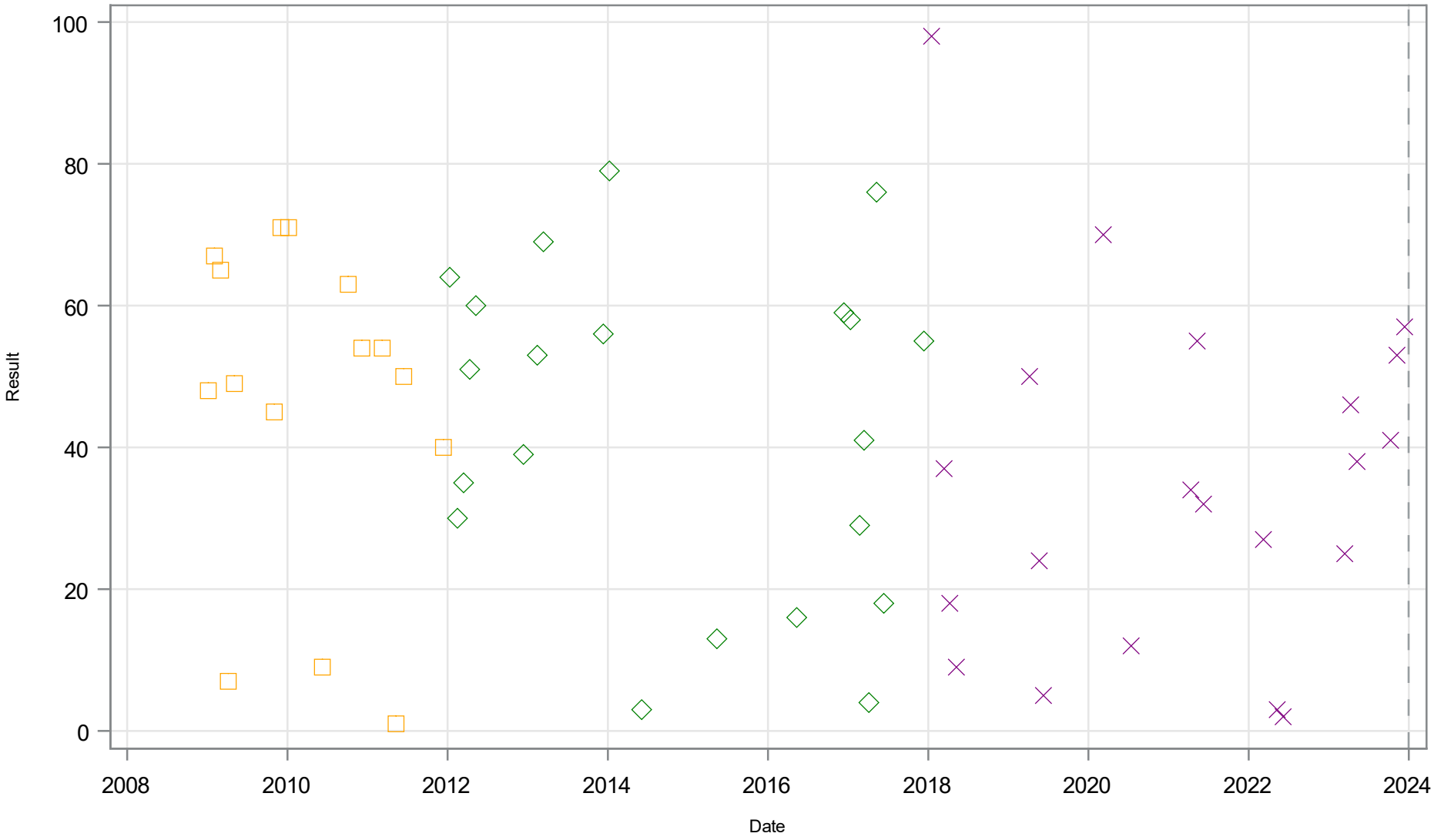
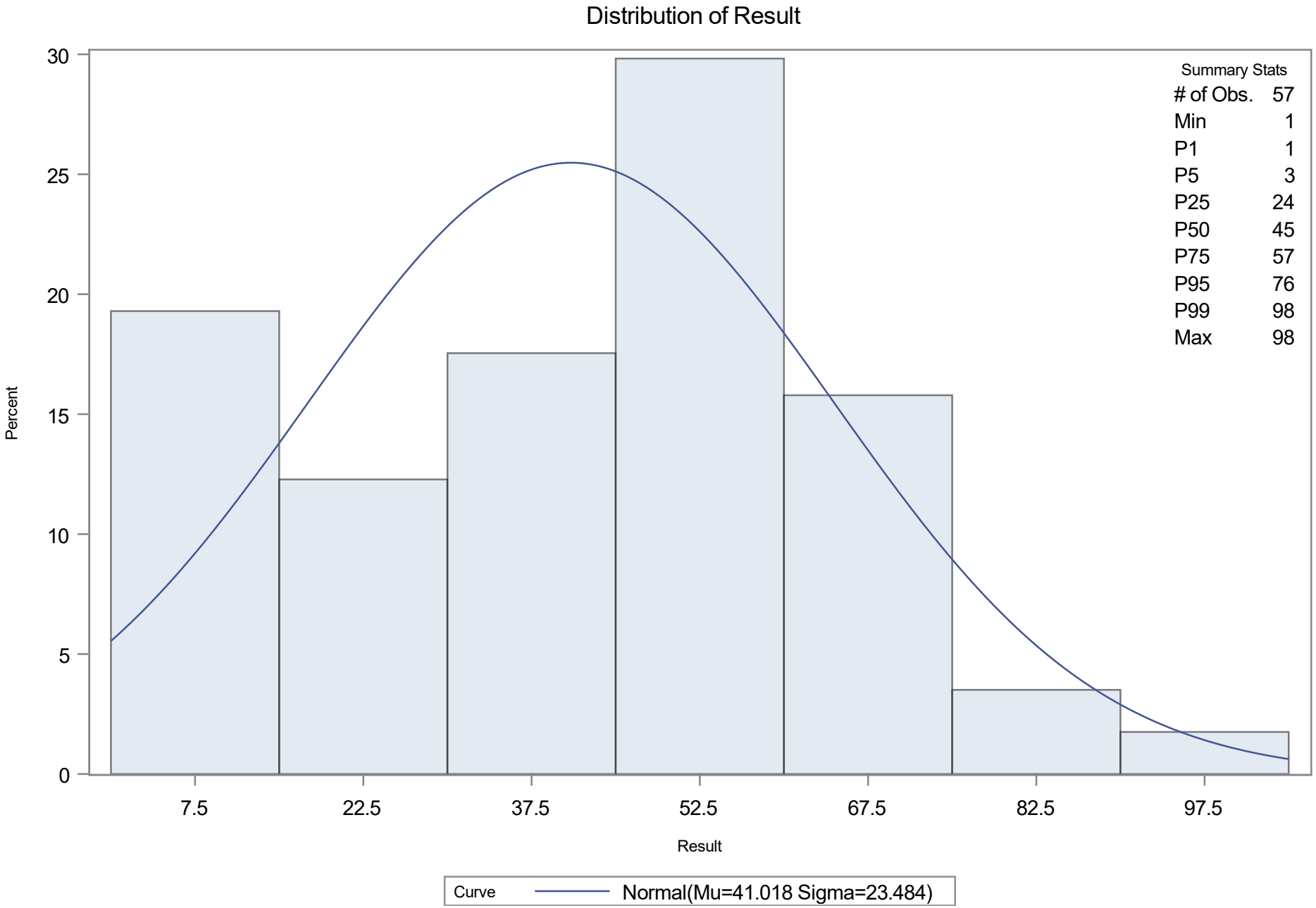
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	41.01754
Std Dev	Sigma	23.48441

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09057426	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09420595	**Pr > W-Sq**	0.134
Anderson-Darling	**A-Sq**	0.64461318	**Pr > A-Sq**	0.091

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-13.61536
5.0	3.00000	2.38913
10.0	5.00000	10.92106
25.0	24.00000	25.17755
50.0	45.00000	41.01754
75.0	57.00000	56.85754
90.0	70.00000	71.11403
95.0	76.00000	79.64596
99.0	98.00000	95.65045

Period of Record: January 1996 through December 2023
Analysis Days Only

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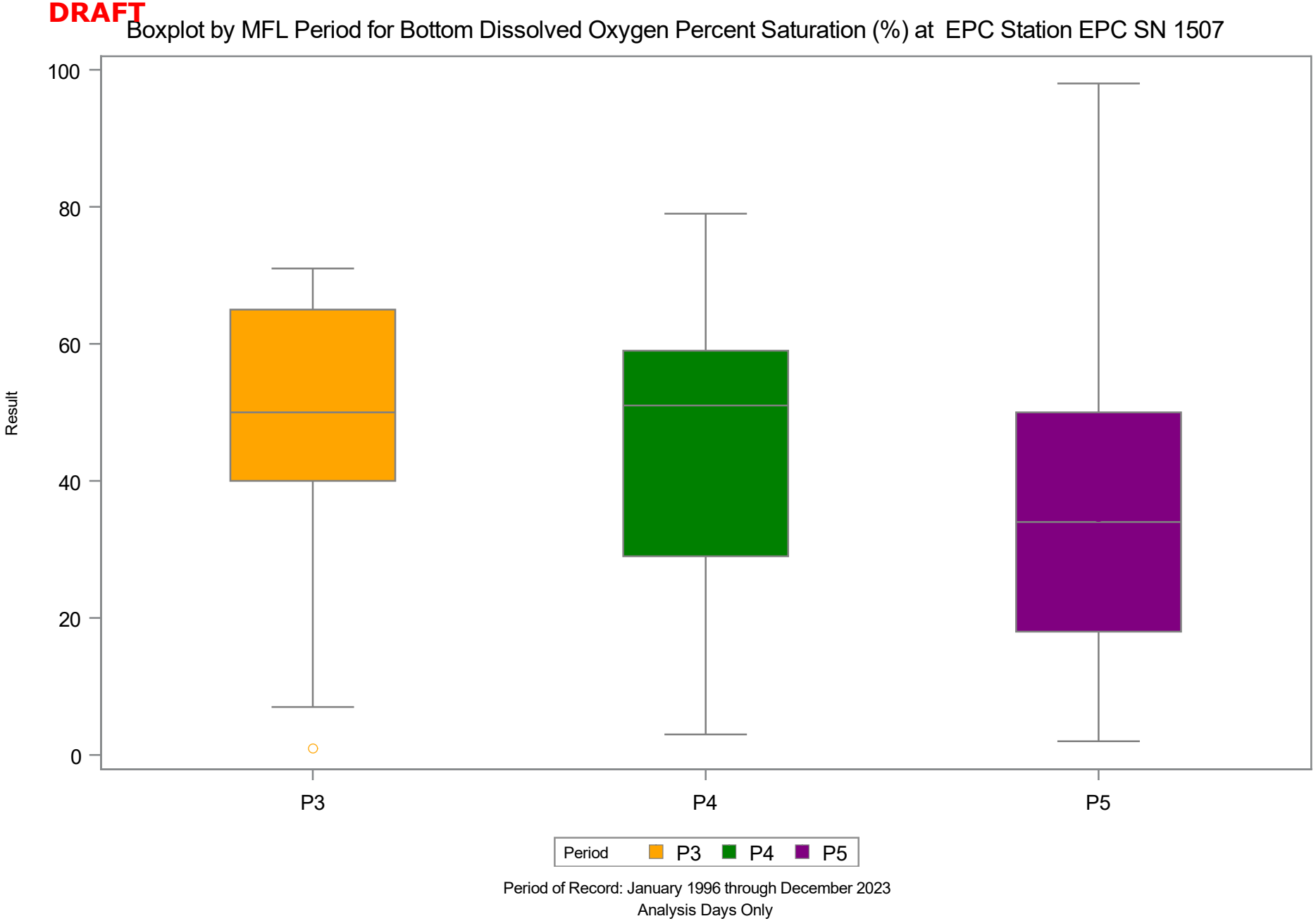
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	1.00	40.00	46.27	50.00	65.00	71.00
P4	21	3.00	29.00	43.24	51.00	59.00	79.00
P5	21	2.00	18.00	35.05	34.00	50.00	98.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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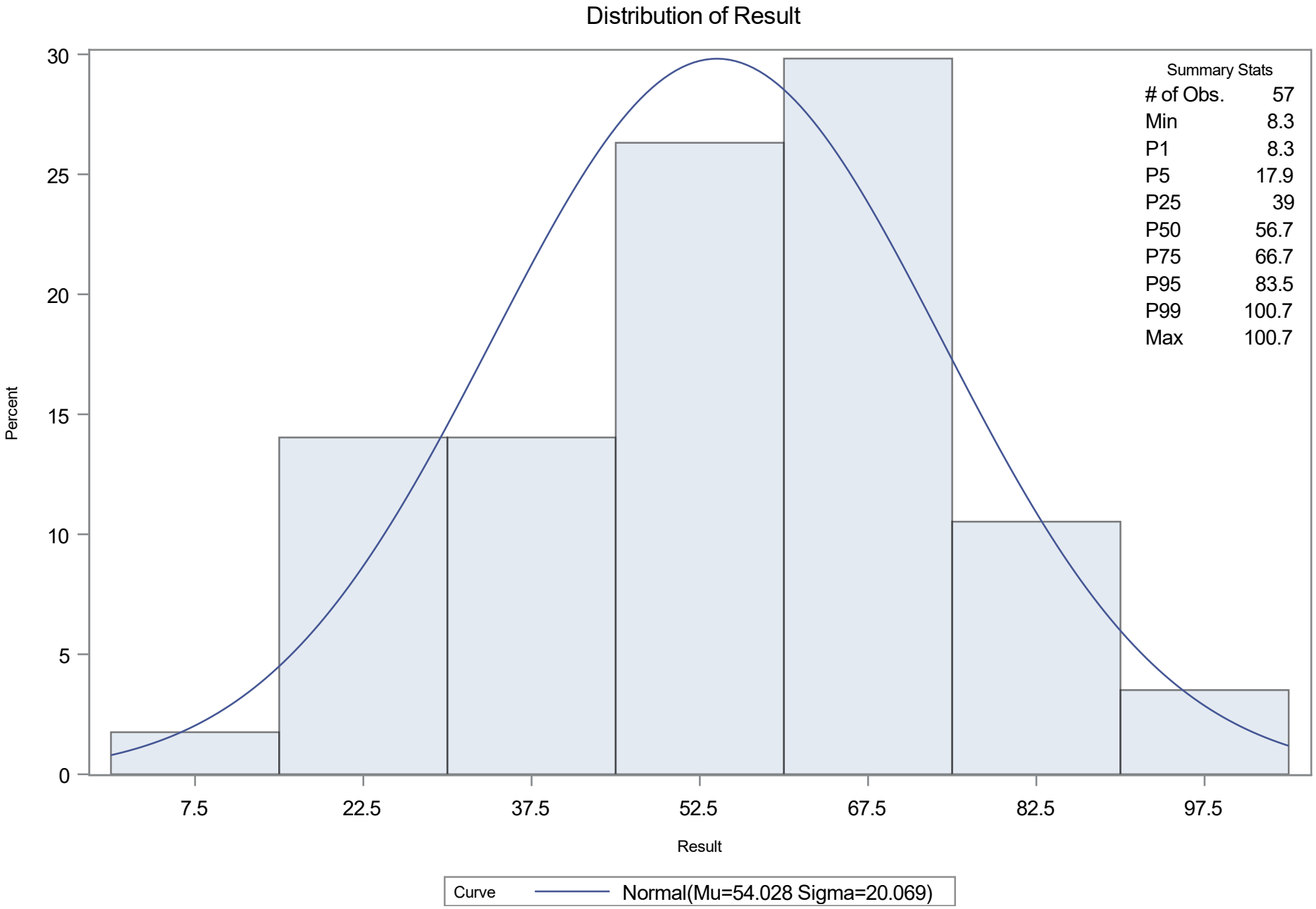
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	54.02807
Std Dev	Sigma	20.06915

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07361233	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07237103	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40142615	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8.30000	7.34025
5.0	17.90000	21.01726
10.0	27.00000	28.30842
25.0	39.00000	40.49164
50.0	56.70000	54.02807
75.0	66.70000	67.56450
90.0	76.30000	79.74772
95.0	83.50000	87.03888
99.0	100.70000	100.71589

Period of Record: January 1996 through December 2023
Analysis Days Only

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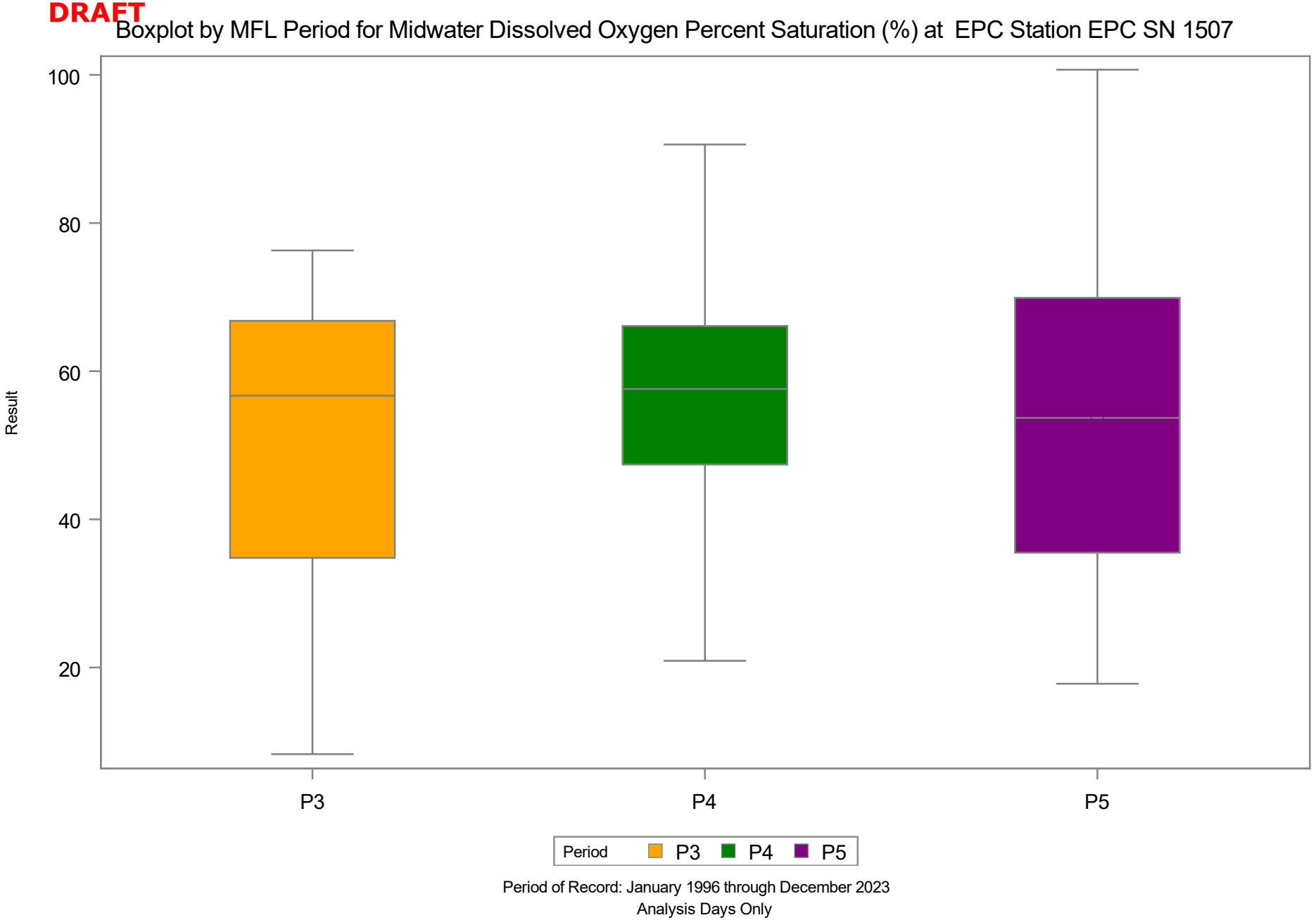
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	8.30	34.80	51.21	56.70	66.80	76.30
P4	21	20.90	47.40	56.12	57.60	66.10	90.60
P5	21	17.80	35.50	53.95	53.70	69.90	100.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

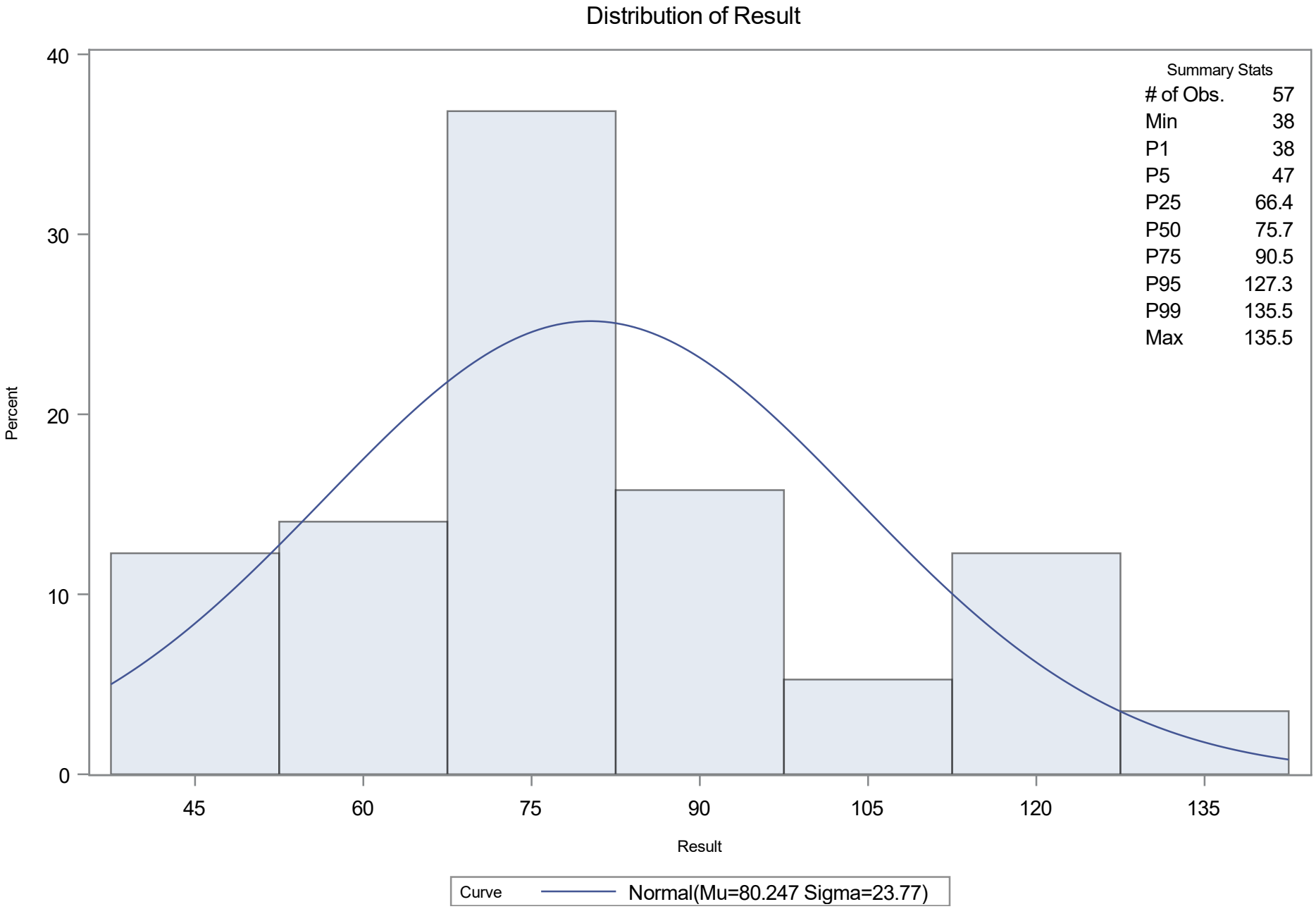

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507
Result
100
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	80.24737
Std Dev	Sigma	23.76981

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12828826	**Pr > D**	0.020
Cramer-von Mises	**W-Sq**	0.16532823	**Pr > W-Sq**	0.016
Anderson-Darling	**A-Sq**	0.95059226	**Pr > A-Sq**	0.017

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	38.0000	24.9505
5.0	47.0000	41.1495
10.0	50.8000	49.7851
25.0	66.4000	64.2149
50.0	75.7000	80.2474
75.0	90.5000	96.2799
90.0	119.0000	110.7096
95.0	127.3000	119.3452
99.0	135.5000	135.5442

Period of Record: January 1996 through December 2023
Analysis Days Only

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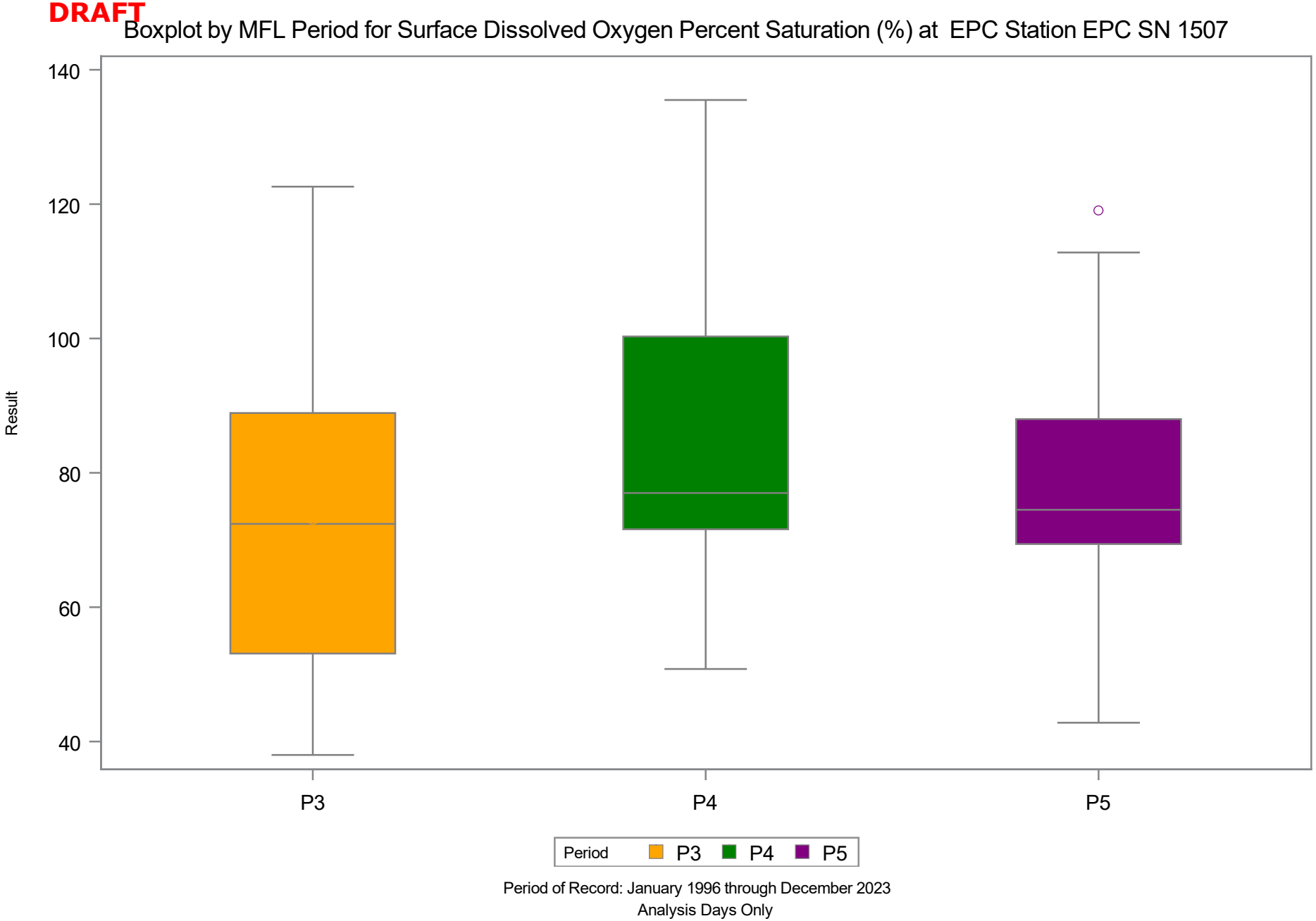
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	38.00	53.10	73.34	72.40	88.90	122.60
P4	21	50.80	71.60	87.12	77.00	100.30	135.50
P5	21	42.80	69.40	78.31	74.50	88.00	119.00

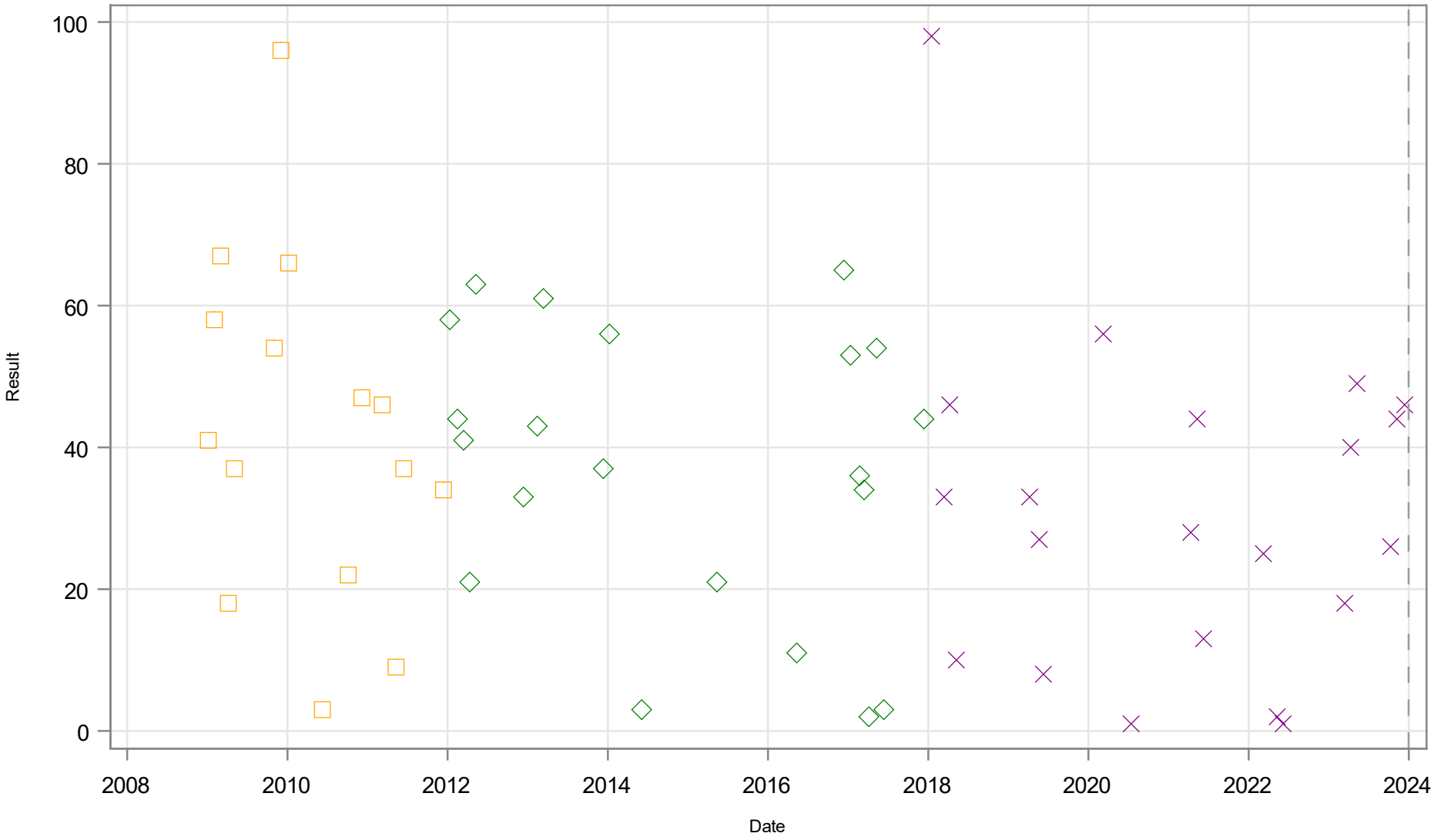
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1507
Result
140
120
100
80
60
40
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

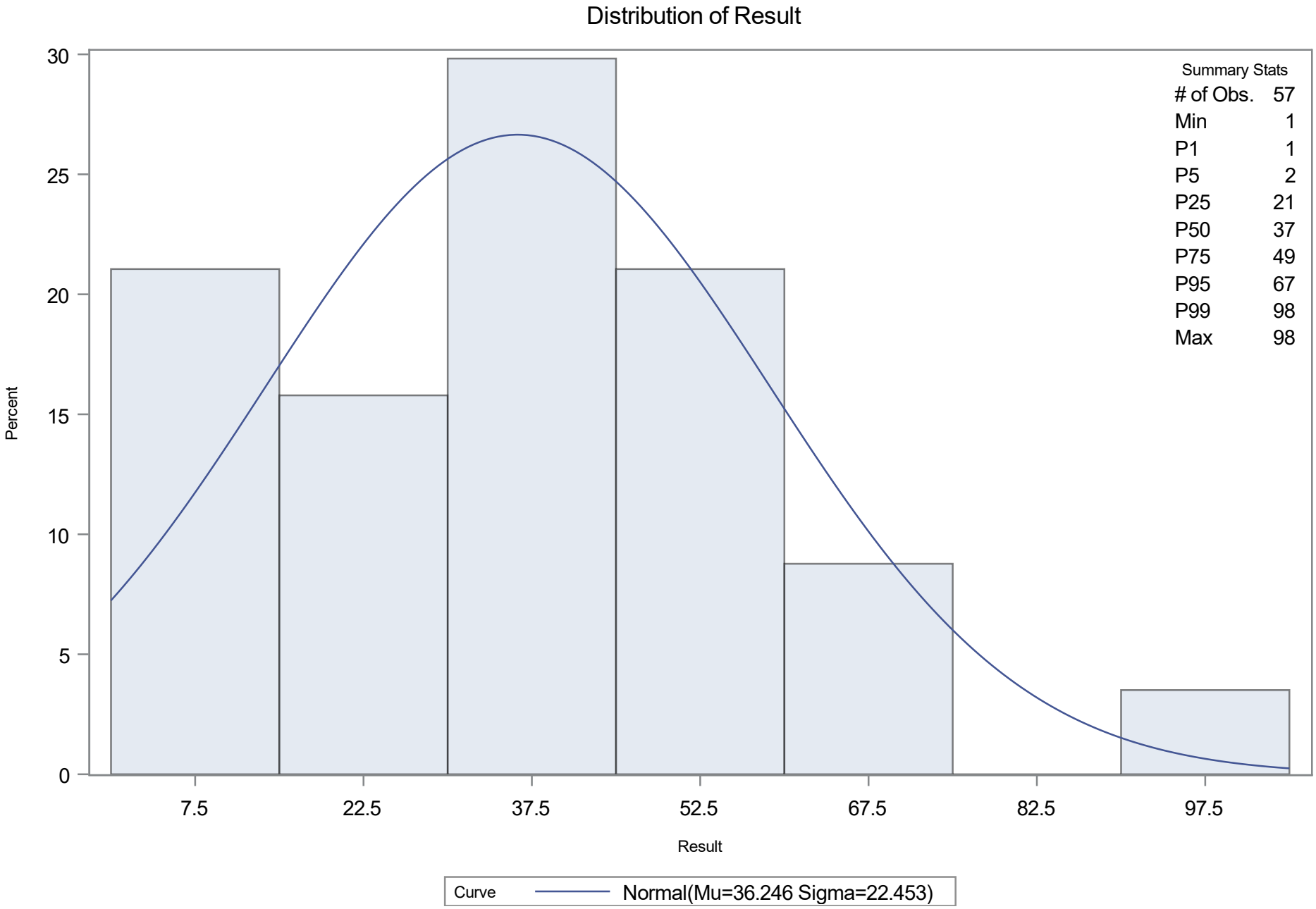
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	36.24561
Std Dev	Sigma	22.45335

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07411234	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04762045	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.46850927	**Pr > A-Sq**	0.245

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-15.98869
5.0	2.00000	-0.68686
10.0	3.00000	7.47049
25.0	21.00000	21.10106
50.0	37.00000	36.24561
75.0	49.00000	51.39017
90.0	63.00000	65.02074
95.0	67.00000	73.17809
99.0	98.00000	88.47991

Period of Record: January 1996 through December 2023
Analysis Days Only

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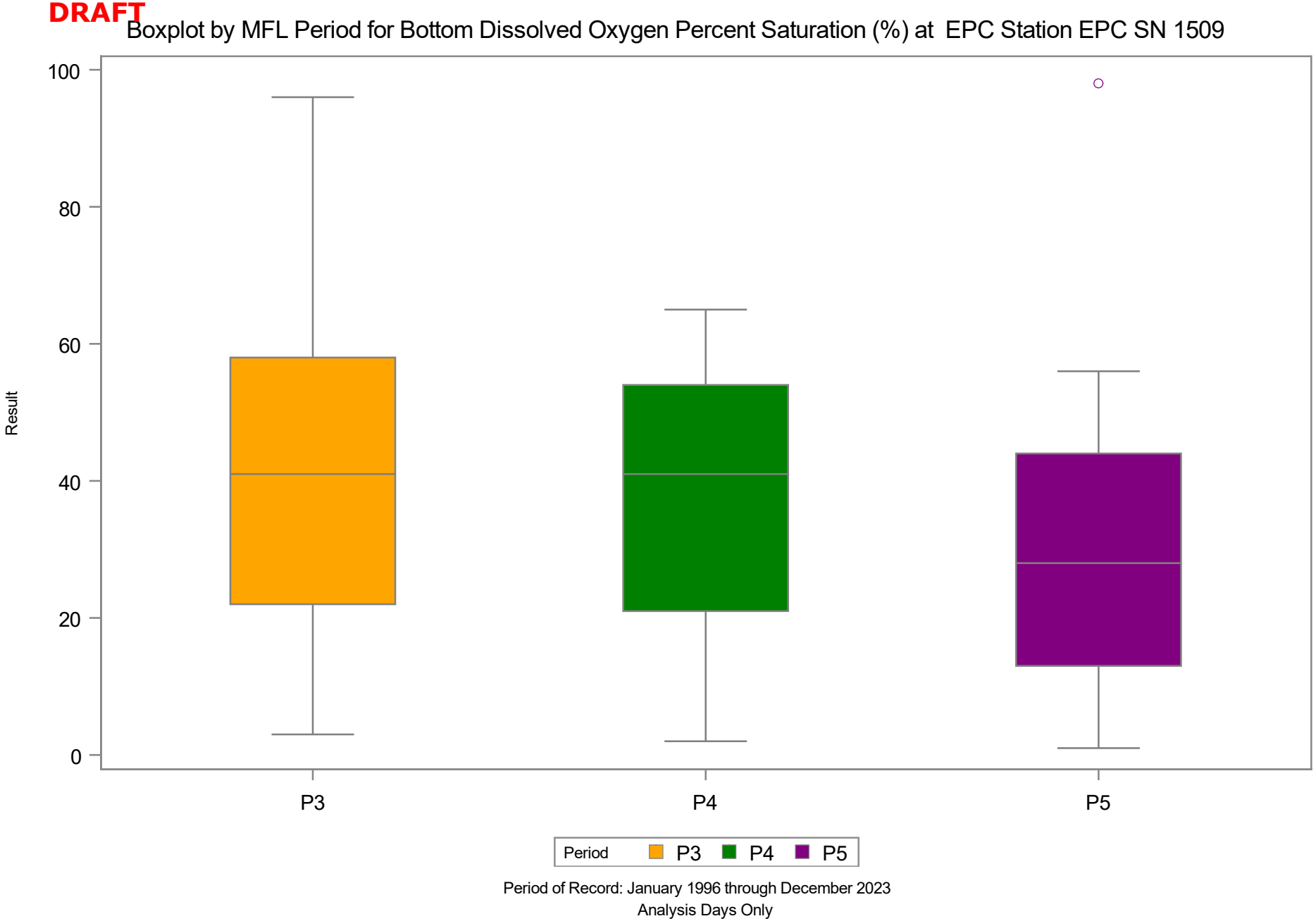
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	3.00	22.00	42.33	41.00	58.00	96.00
P4	21	2.00	21.00	37.29	41.00	54.00	65.00
P5	21	1.00	13.00	30.86	28.00	44.00	98.00

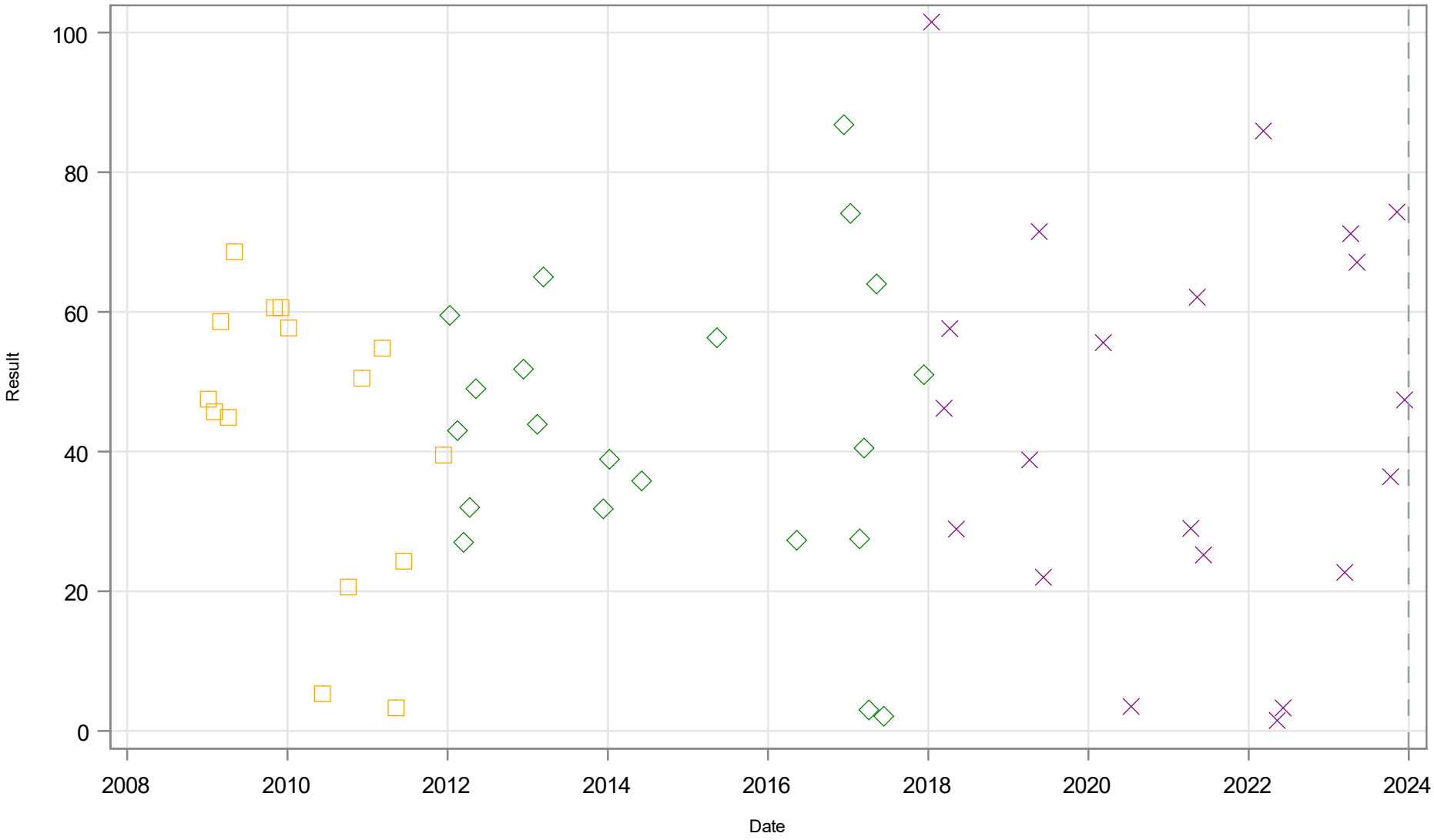
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

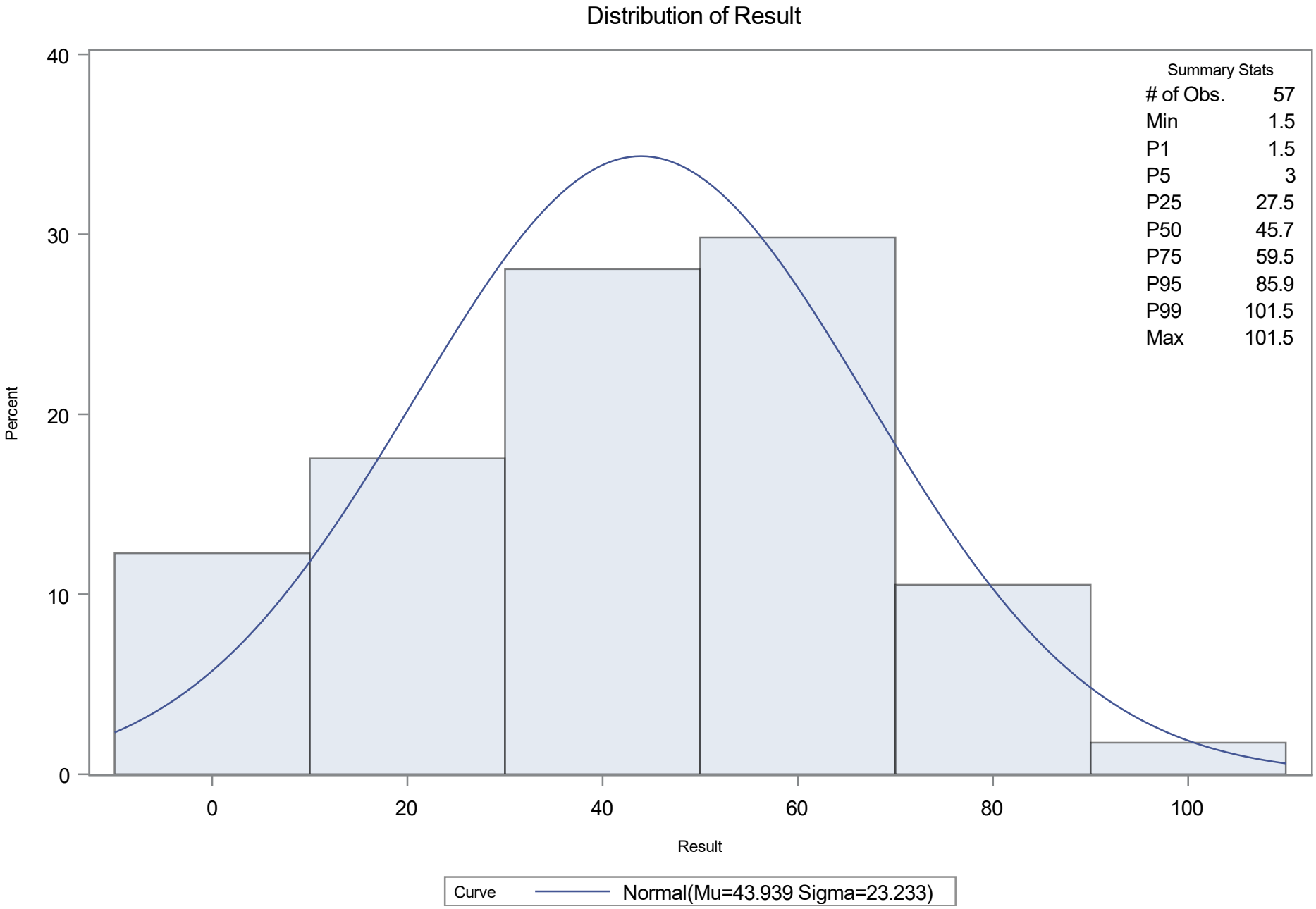
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	43.9386
Std Dev	Sigma	23.23339

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07465709	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03230207	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33444974	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.50000	-10.11036
5.0	3.00000	5.72306
10.0	3.50000	14.16380
25.0	27.50000	28.26791
50.0	45.70000	43.93860
75.0	59.50000	59.60928
90.0	71.50000	73.71339
95.0	85.90000	82.15413
99.0	101.50000	97.98755

Period of Record: January 1996 through December 2023
Analysis Days Only

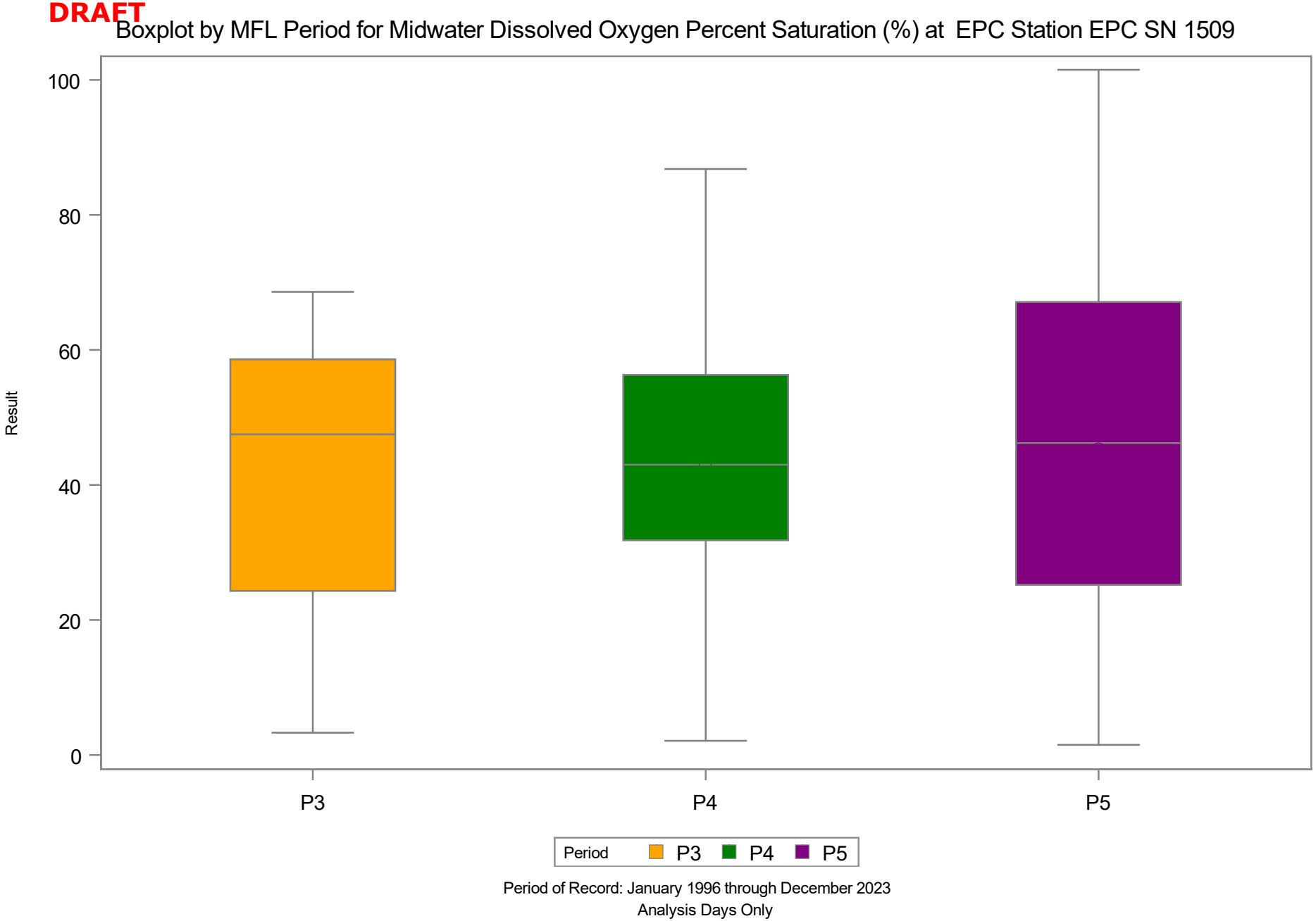
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	3.30	24.30	42.83	47.50	58.60	68.60
P4	21	2.10	31.80	43.35	43.00	56.30	86.80
P5	21	1.50	25.20	45.32	46.20	67.10	101.50

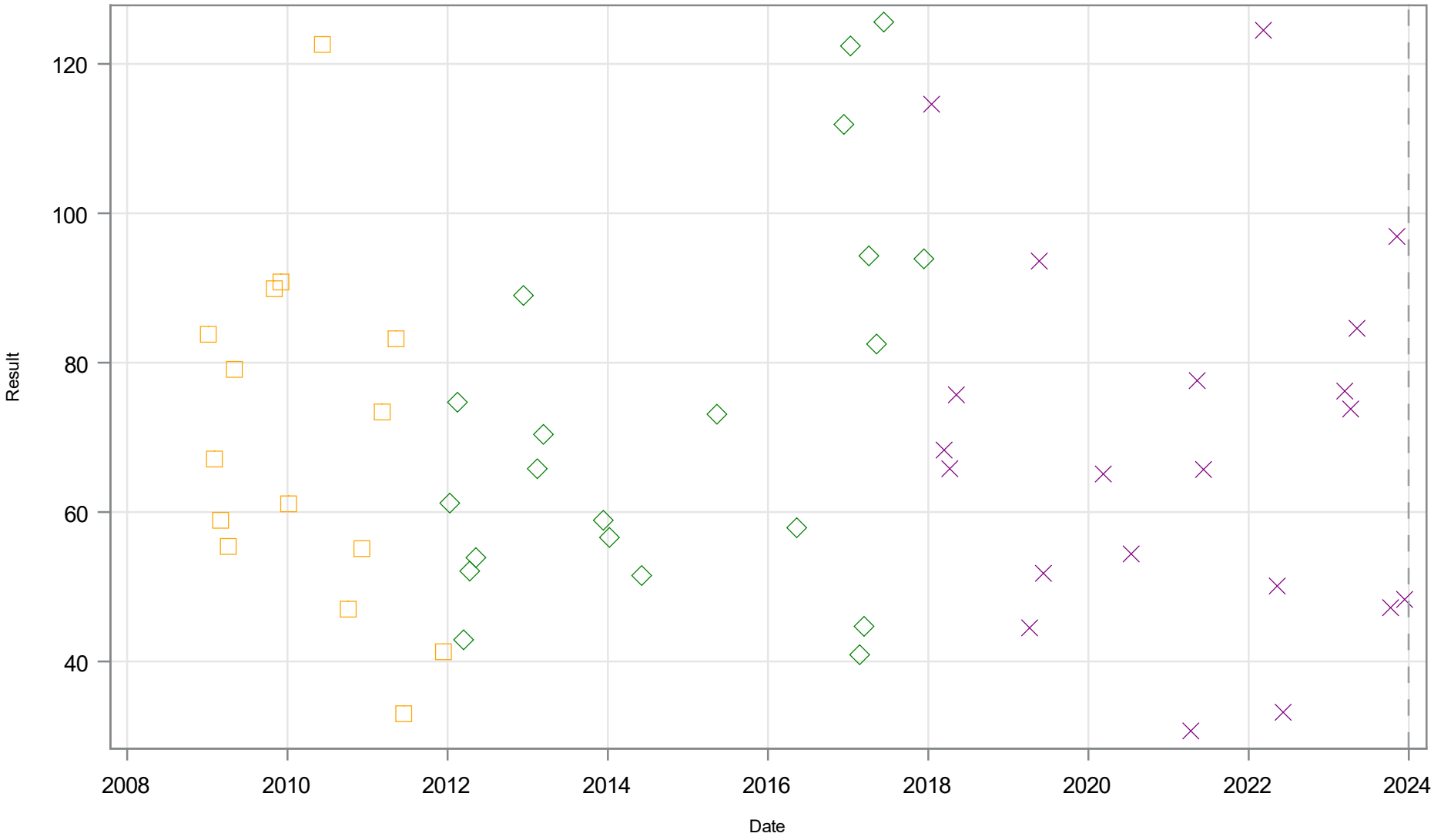
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

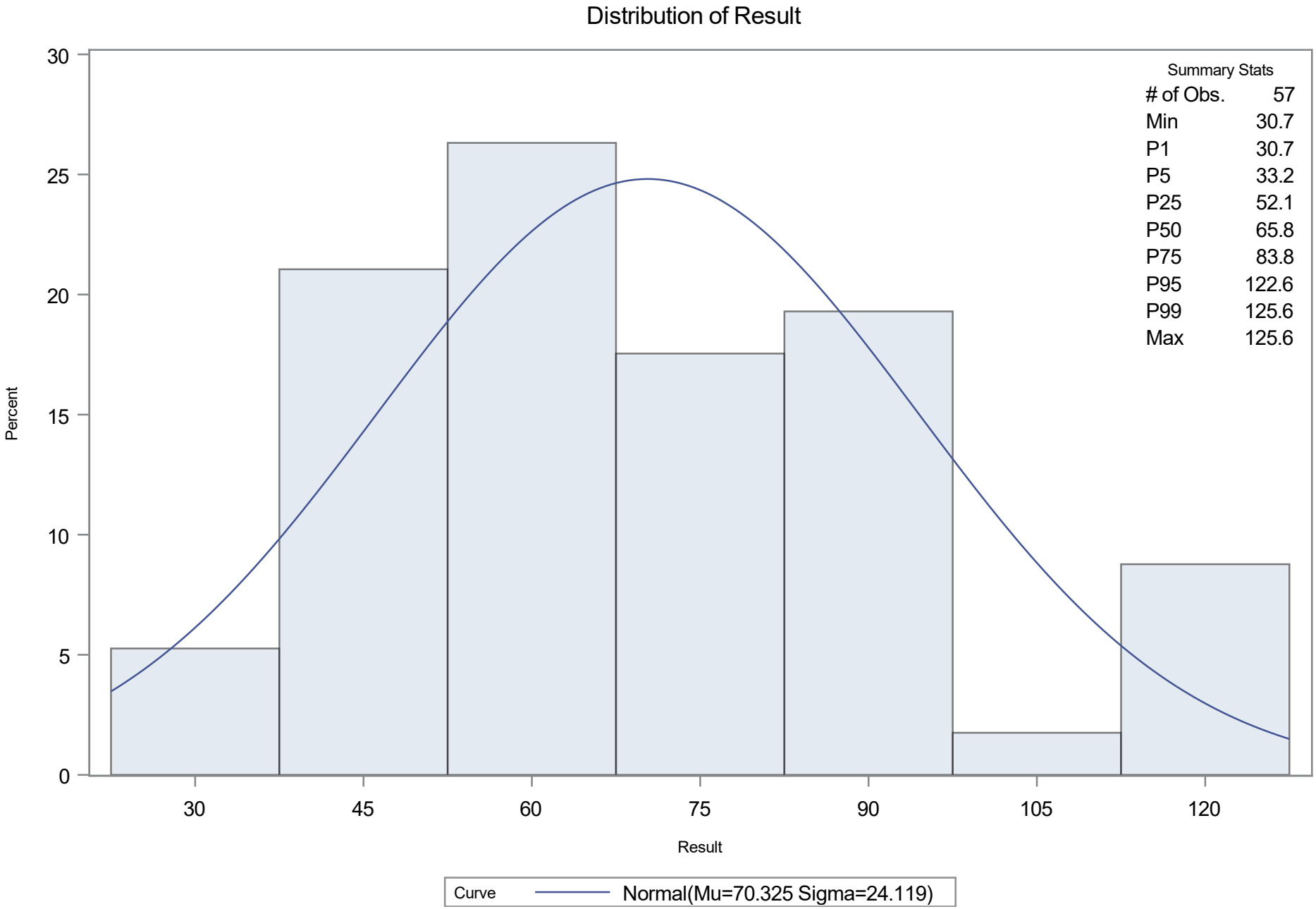
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	70.32456
Std Dev	Sigma	24.11903

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08599774	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10091829	**Pr > W-Sq**	0.108
Anderson-Darling	**A-Sq**	0.76233467	**Pr > A-Sq**	0.046

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	30.7000	14.2153
5.0	33.2000	30.6523
10.0	42.9000	39.4148
25.0	52.1000	54.0565
50.0	65.8000	70.3246
75.0	83.8000	86.5926
90.0	111.9000	101.2343
95.0	122.6000	109.9968
99.0	125.6000	126.4338

Period of Record: January 1996 through December 2023
Analysis Days Only

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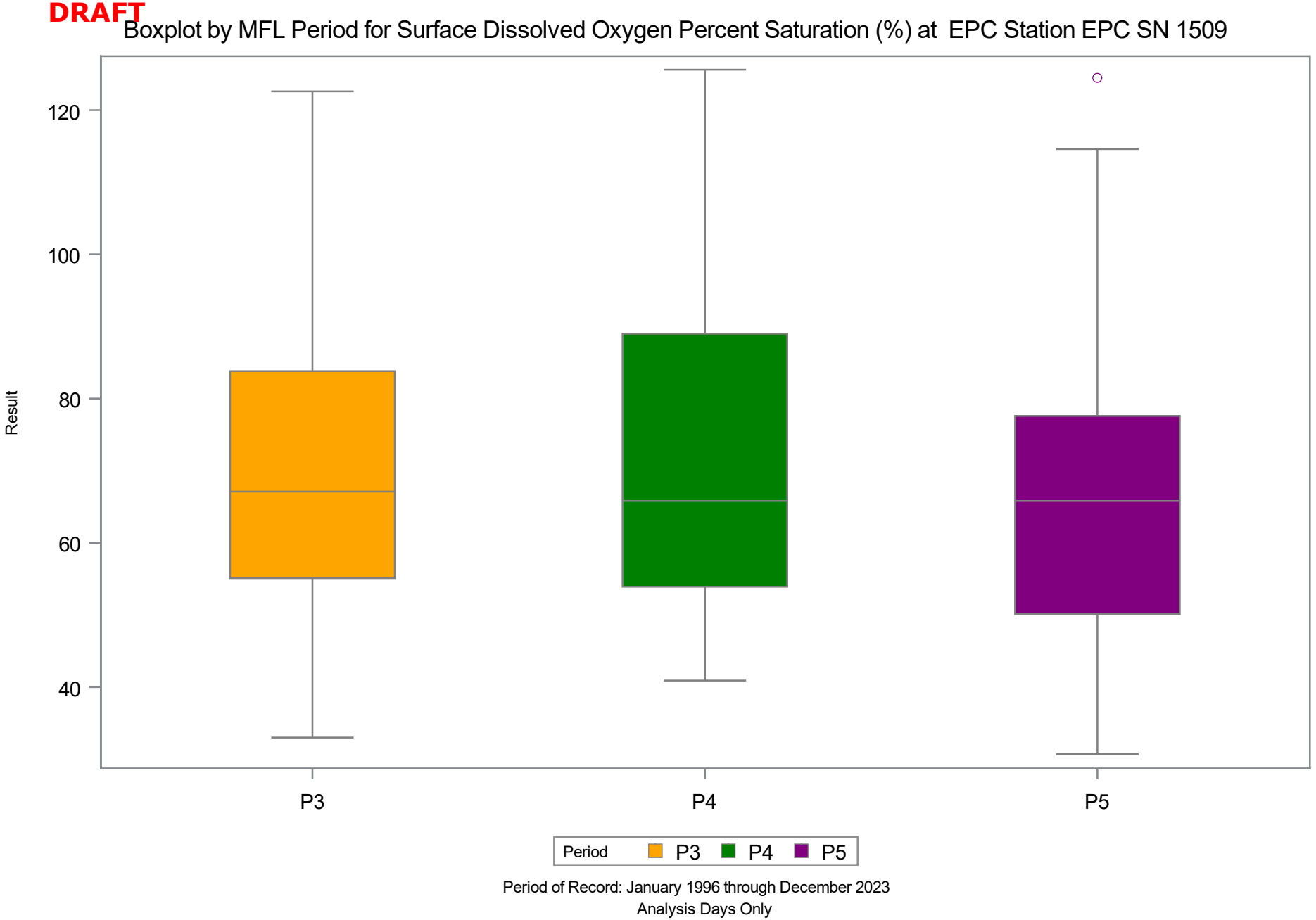
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	33.00	55.10	69.45	67.10	83.80	122.60
P4	21	40.90	53.90	72.58	65.80	89.00	125.60
P5	21	30.70	50.10	68.70	65.80	77.60	124.50

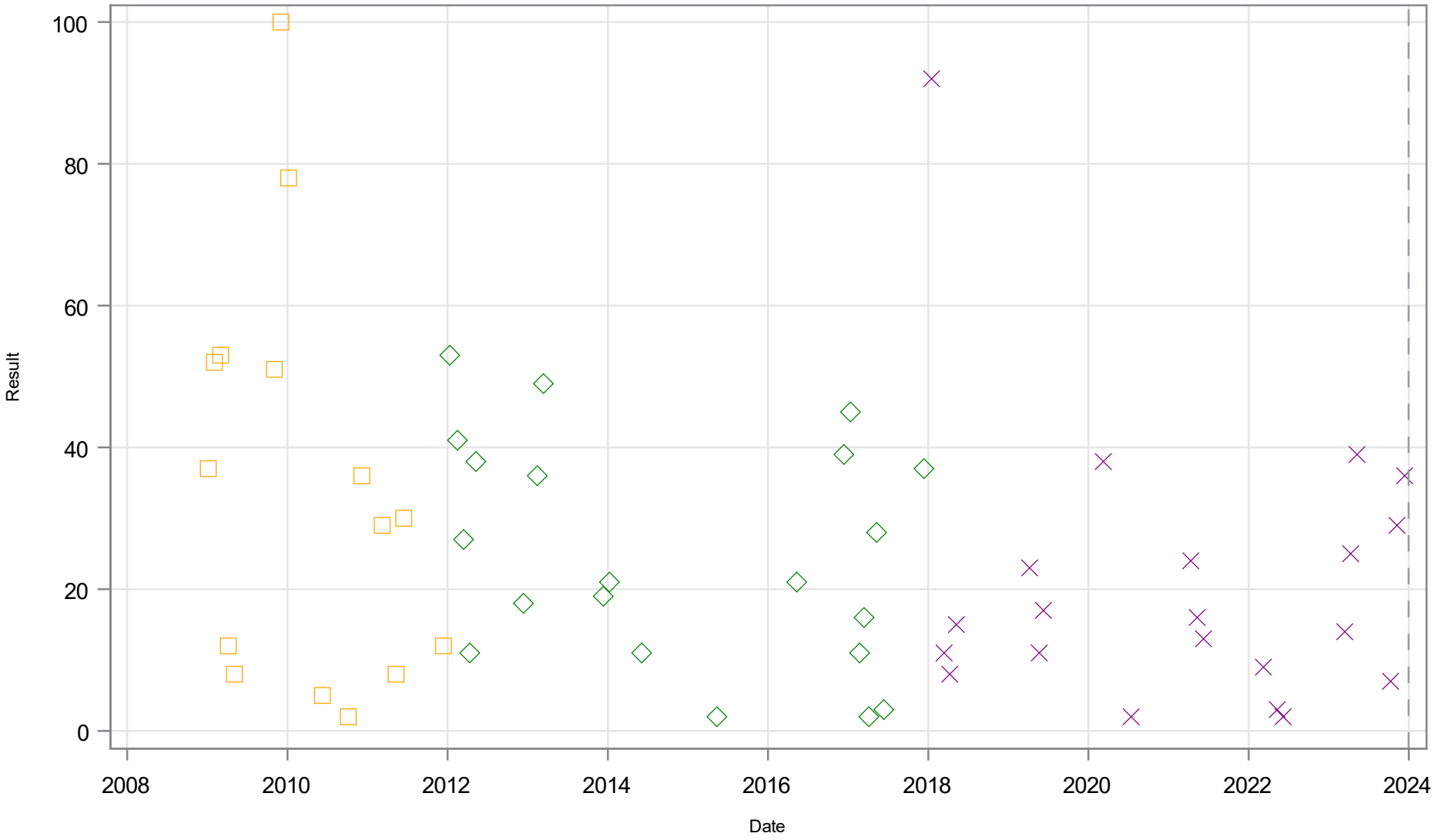
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1509
Result
120
100
80
60
40
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

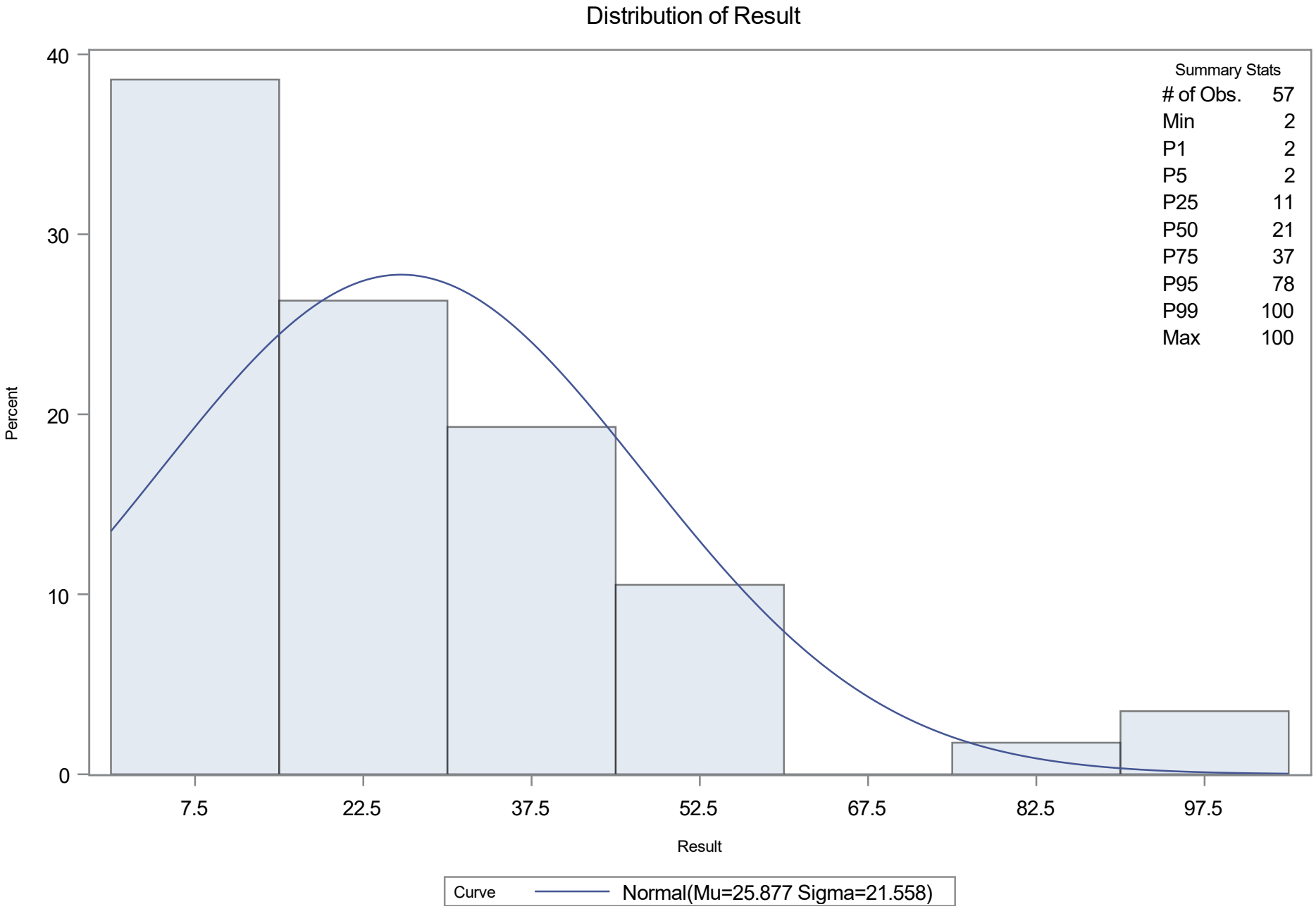
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.87719
Std Dev	Sigma	21.55812

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13402311	**Pr > D**	0.012
Cramer-von Mises	**W-Sq**	0.25173389	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.76478703	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-24.27449
5.0	2.00000	-9.58276
10.0	3.00000	-1.75065
25.0	11.00000	11.33646
50.0	21.00000	25.87719
75.0	37.00000	40.41792
90.0	52.00000	53.50503
95.0	78.00000	61.33714
99.0	100.00000	76.02888

Period of Record: January 1996 through December 2023
Analysis Days Only

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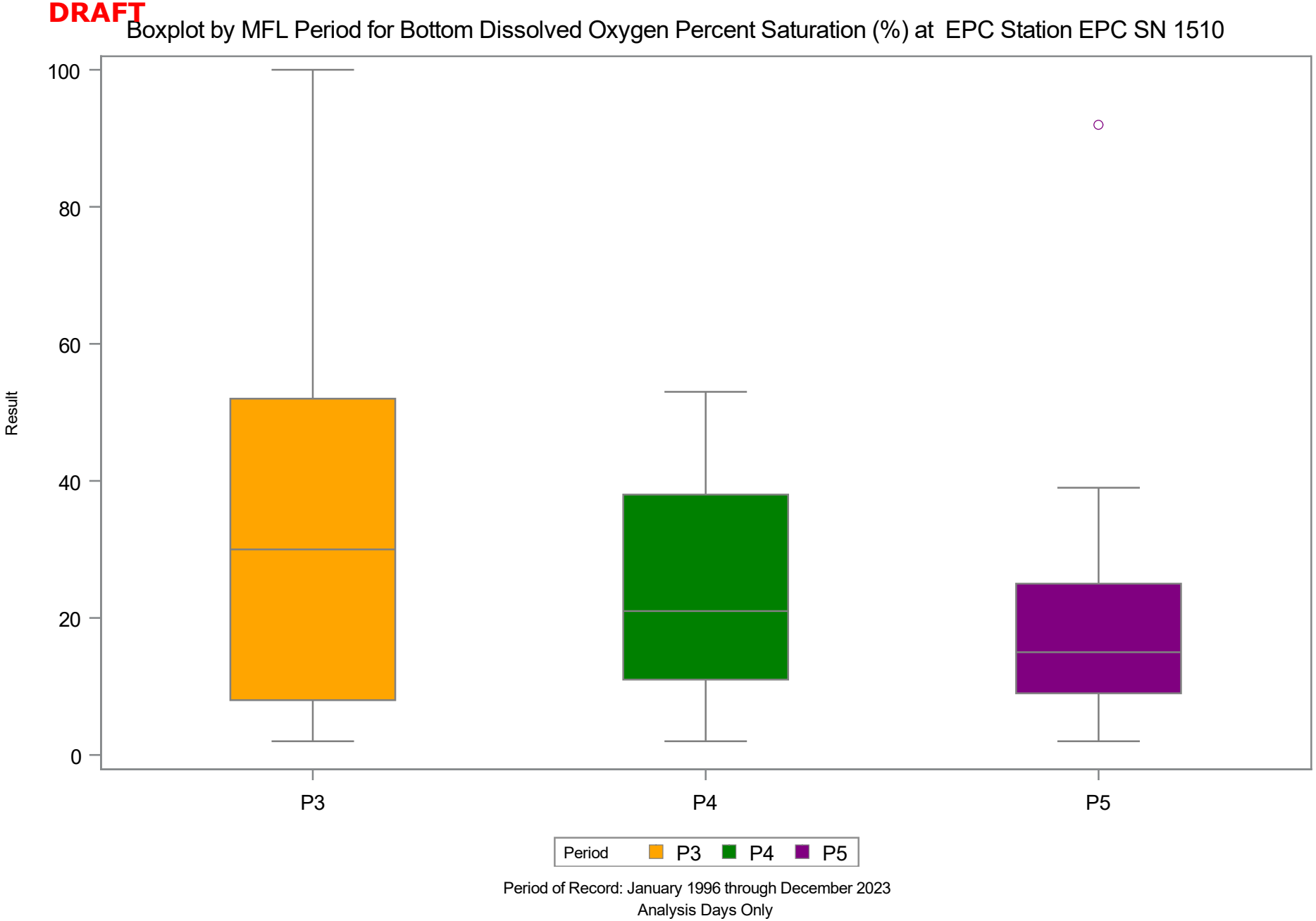
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.00	8.00	34.20	30.00	52.00	100.00
P4	21	2.00	11.00	25.14	21.00	38.00	53.00
P5	21	2.00	9.00	20.67	15.00	25.00	92.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

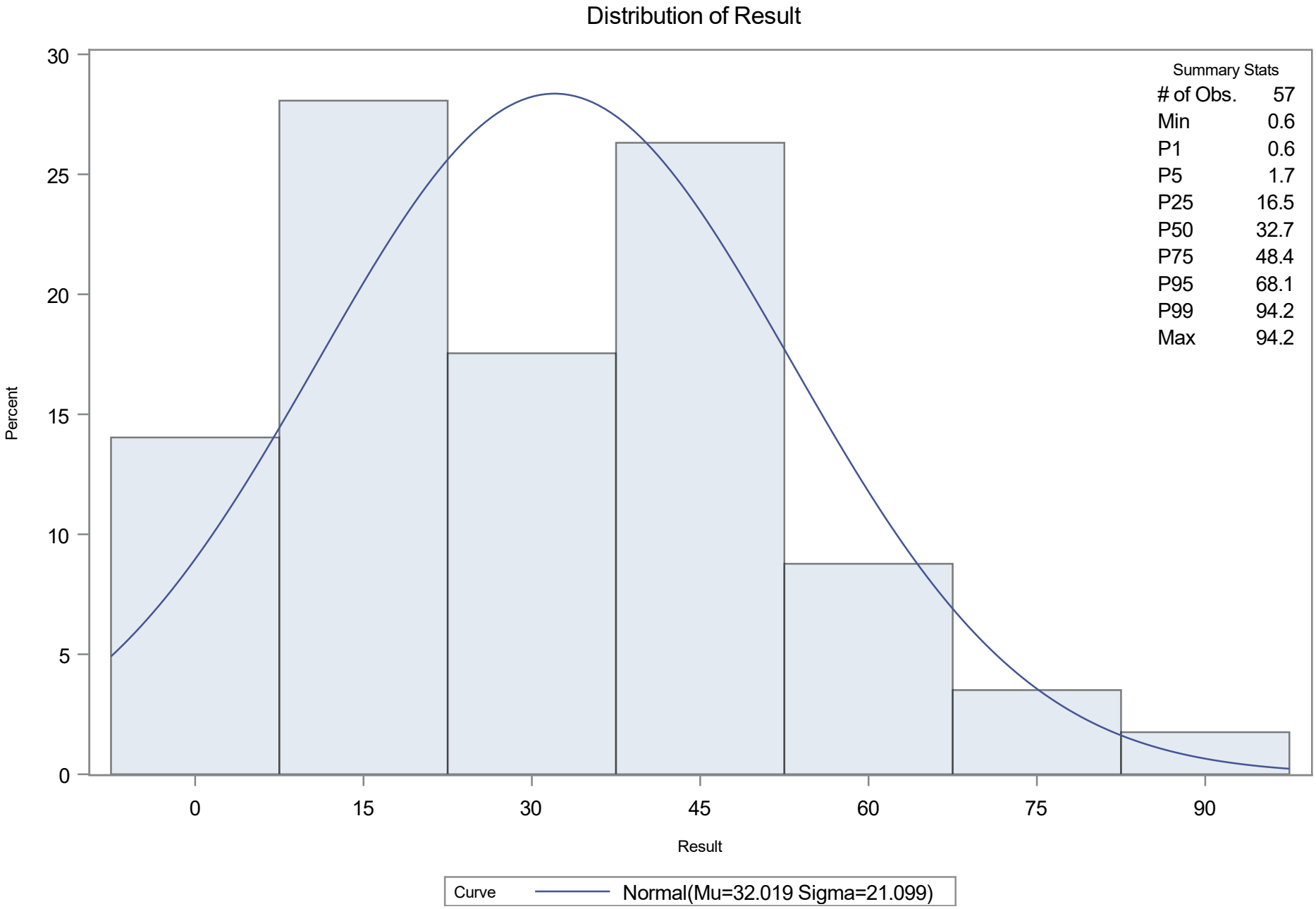

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510**



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	32.0193
Std Dev	Sigma	21.09911

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10866257	**Pr > D**	0.092
Cramer-von Mises	**W-Sq**	0.08252630	**Pr > W-Sq**	0.196
Anderson-Darling	**A-Sq**	0.55953707	**Pr > A-Sq**	0.146

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.60000	-17.06456
5.0	1.70000	-2.68564
10.0	4.30000	4.97971
25.0	16.50000	17.78817
50.0	32.70000	32.01930
75.0	48.40000	46.25043
90.0	59.20000	59.05889
95.0	68.10000	66.72424
99.0	94.20000	81.10316

Period of Record: January 1996 through December 2023
Analysis Days Only

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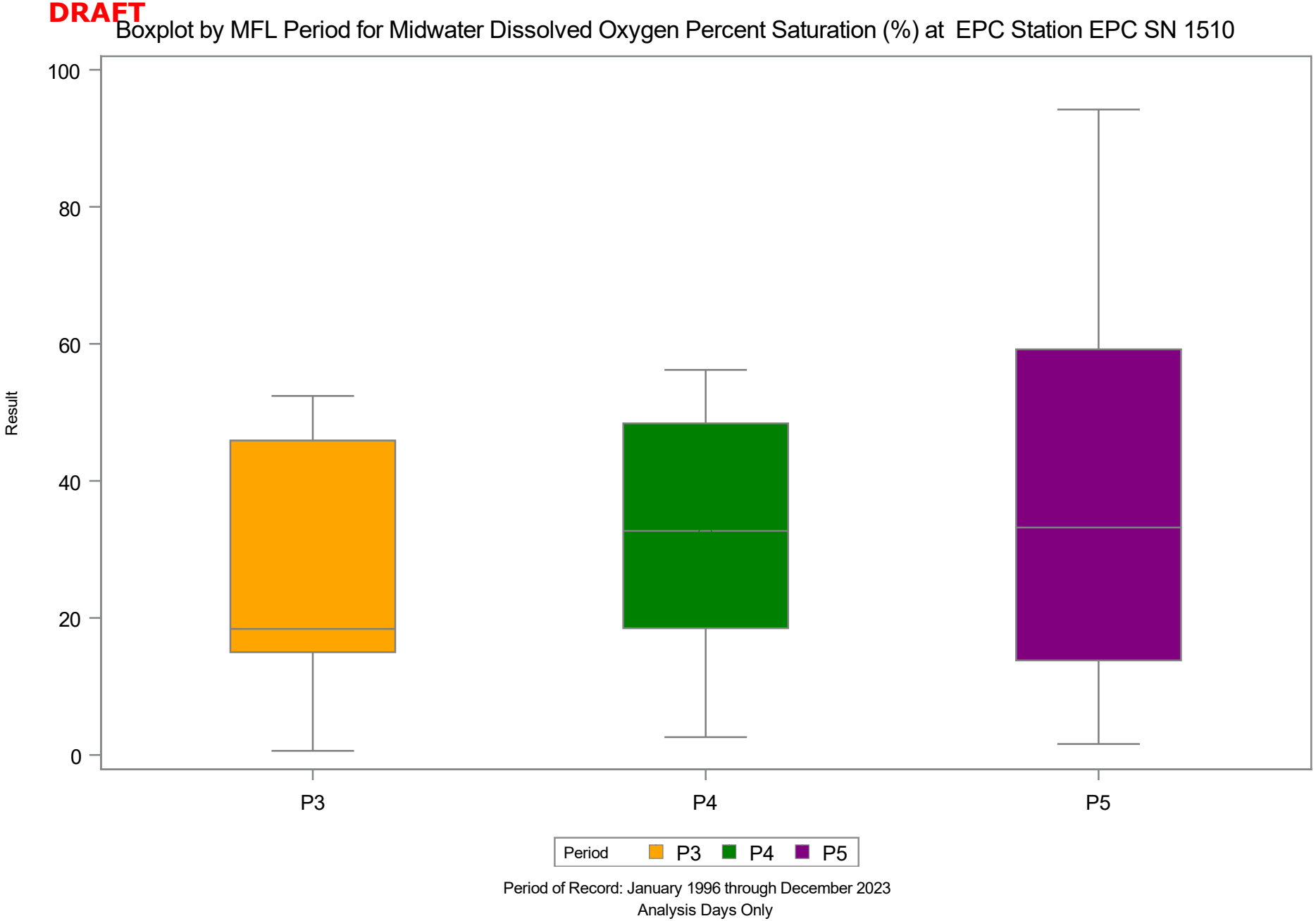
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	0.60	15.00	26.55	18.40	45.90	52.40
P4	21	2.60	18.50	32.55	32.70	48.40	56.20
P5	21	1.60	13.80	35.40	33.20	59.20	94.20

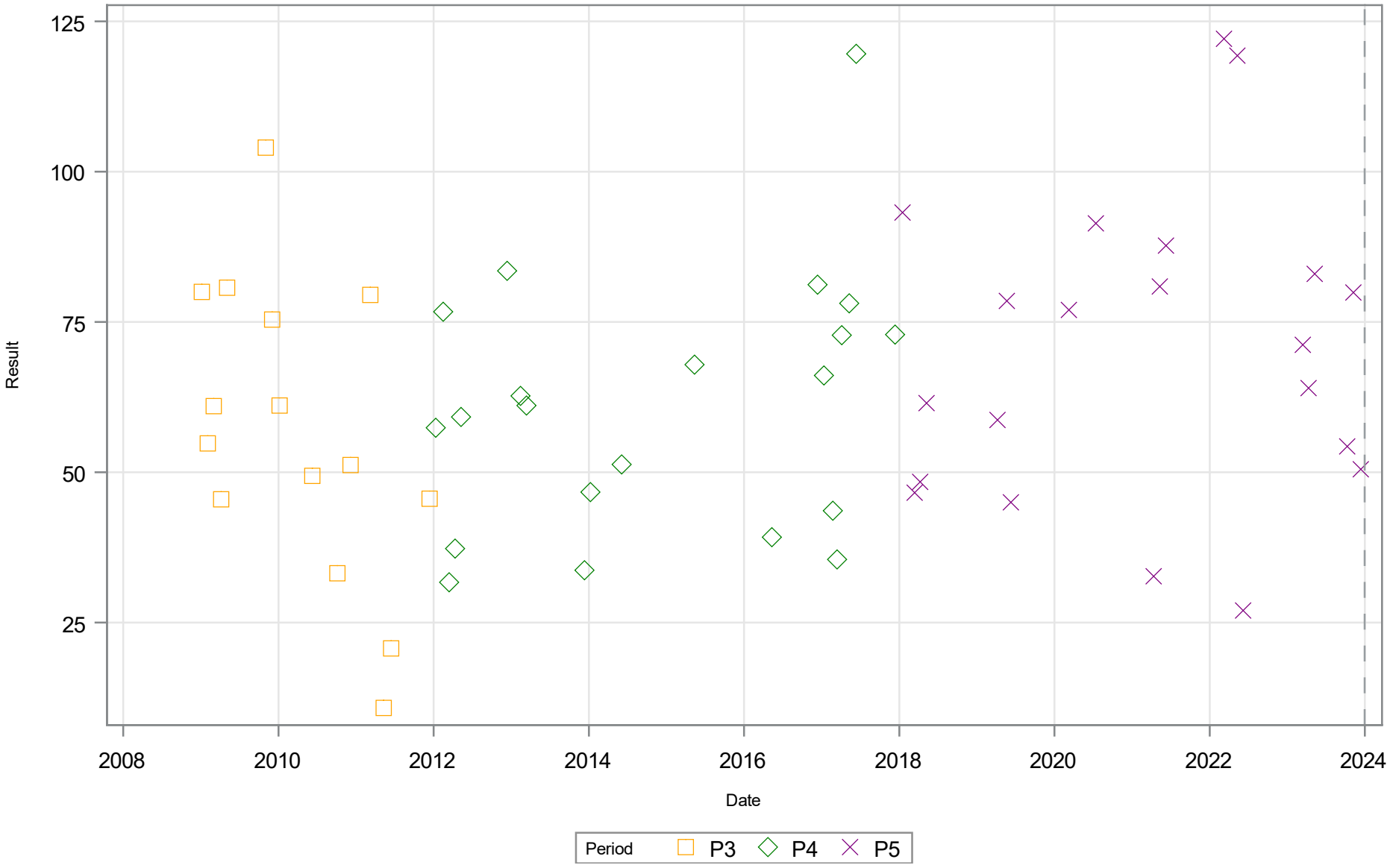
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

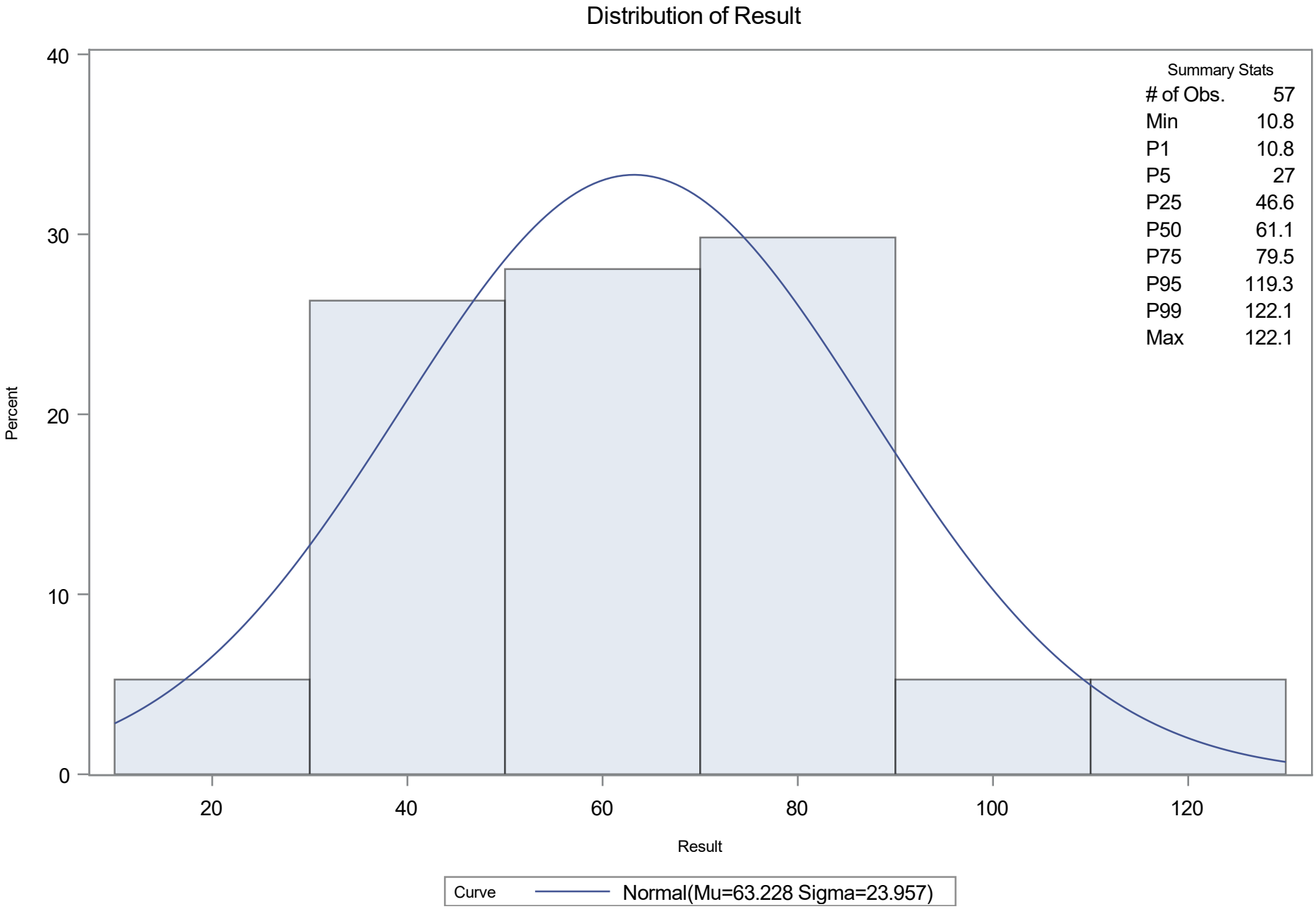
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	63.22807
Std Dev	Sigma	23.95657

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07591500	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04641573	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37475654	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.8000	7.49675
5.0	27.0000	23.82301
10.0	33.2000	32.52649
25.0	46.6000	47.06961
50.0	61.1000	63.22807
75.0	79.5000	79.38653
90.0	91.4000	93.92965
95.0	119.3000	102.63313
99.0	122.1000	118.95939

Period of Record: January 1996 through December 2023
Analysis Days Only

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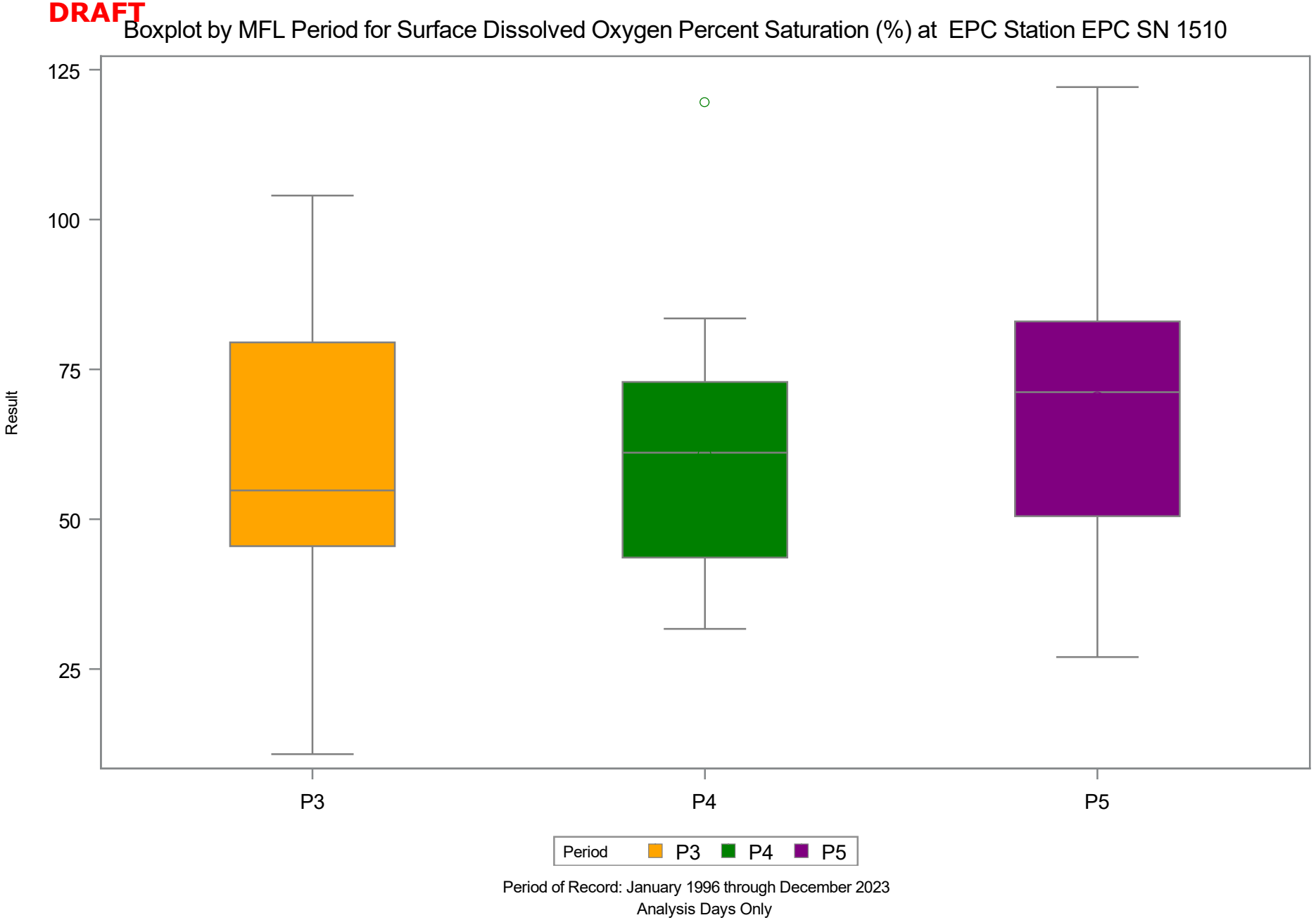
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510

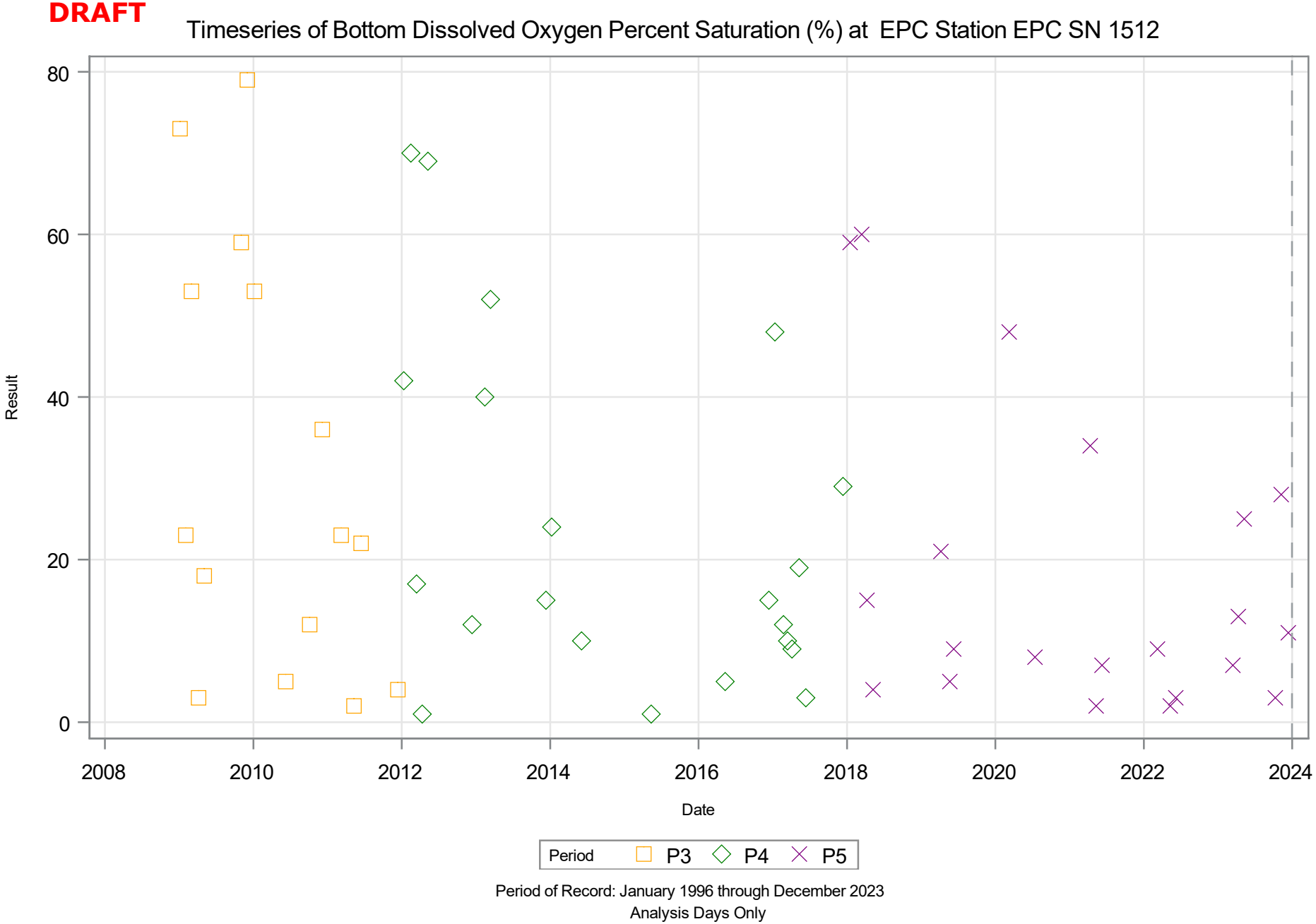
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	10.80	45.50	56.86	54.80	79.50	104.00
P4	21	31.70	43.60	60.87	61.10	72.90	119.60
P5	21	27.00	50.50	70.14	71.20	83.00	122.10

Period of Record: January 1996 through December 2023
Analysis Days Only

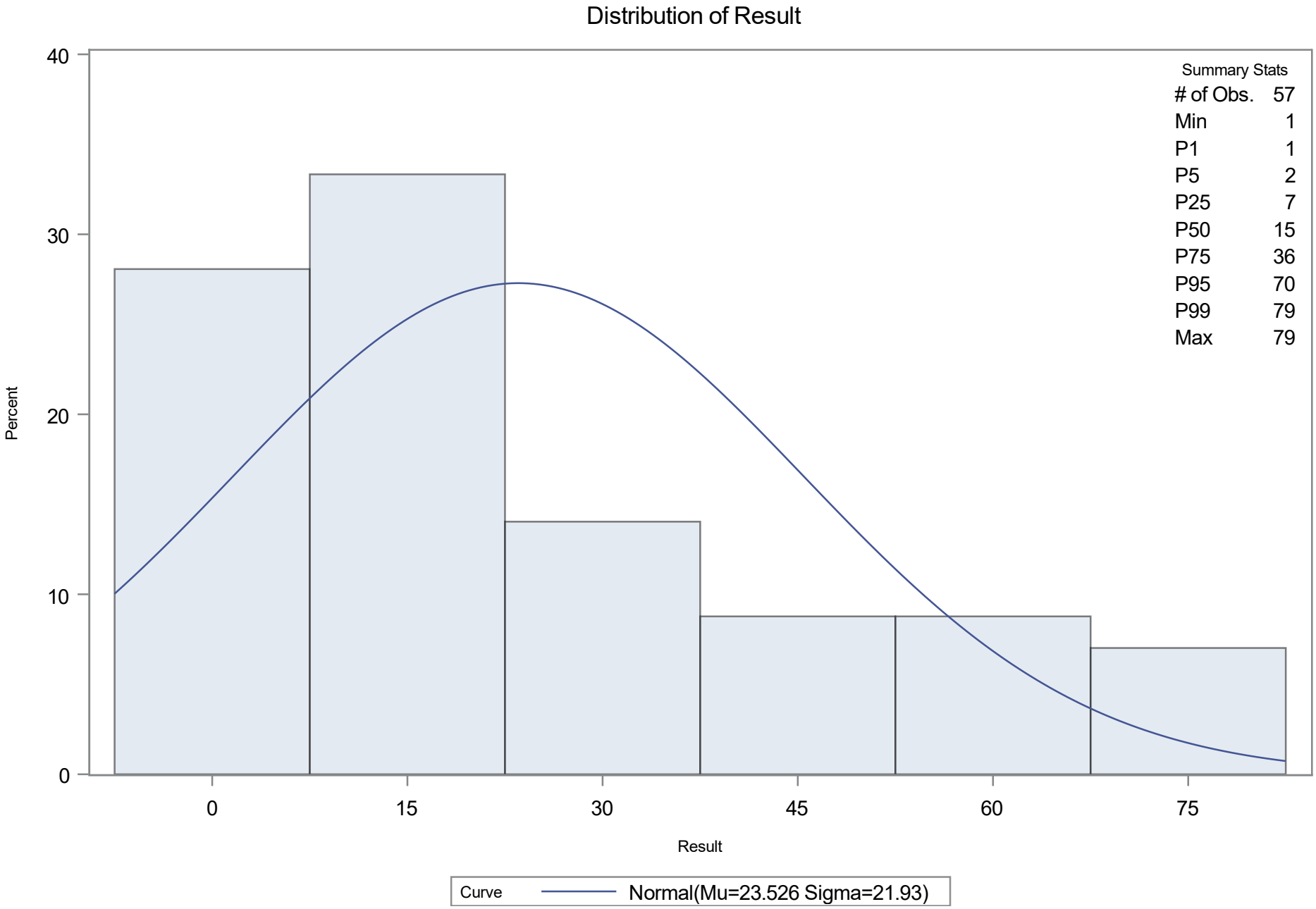
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1510
125
100
75
50
25
Result
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512
Result
80
60
40
20
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.52632
Std Dev	Sigma	21.93017

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17760148	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.52536447	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.00336142	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-27.49089
5.0	2.00000	-12.54560
10.0	3.00000	-4.57833
25.0	7.00000	8.73464
50.0	15.00000	23.52632
75.0	36.00000	38.31799
90.0	59.00000	51.63096
95.0	70.00000	59.59823
99.0	79.00000	74.54352

Period of Record: January 1996 through December 2023
Analysis Days Only

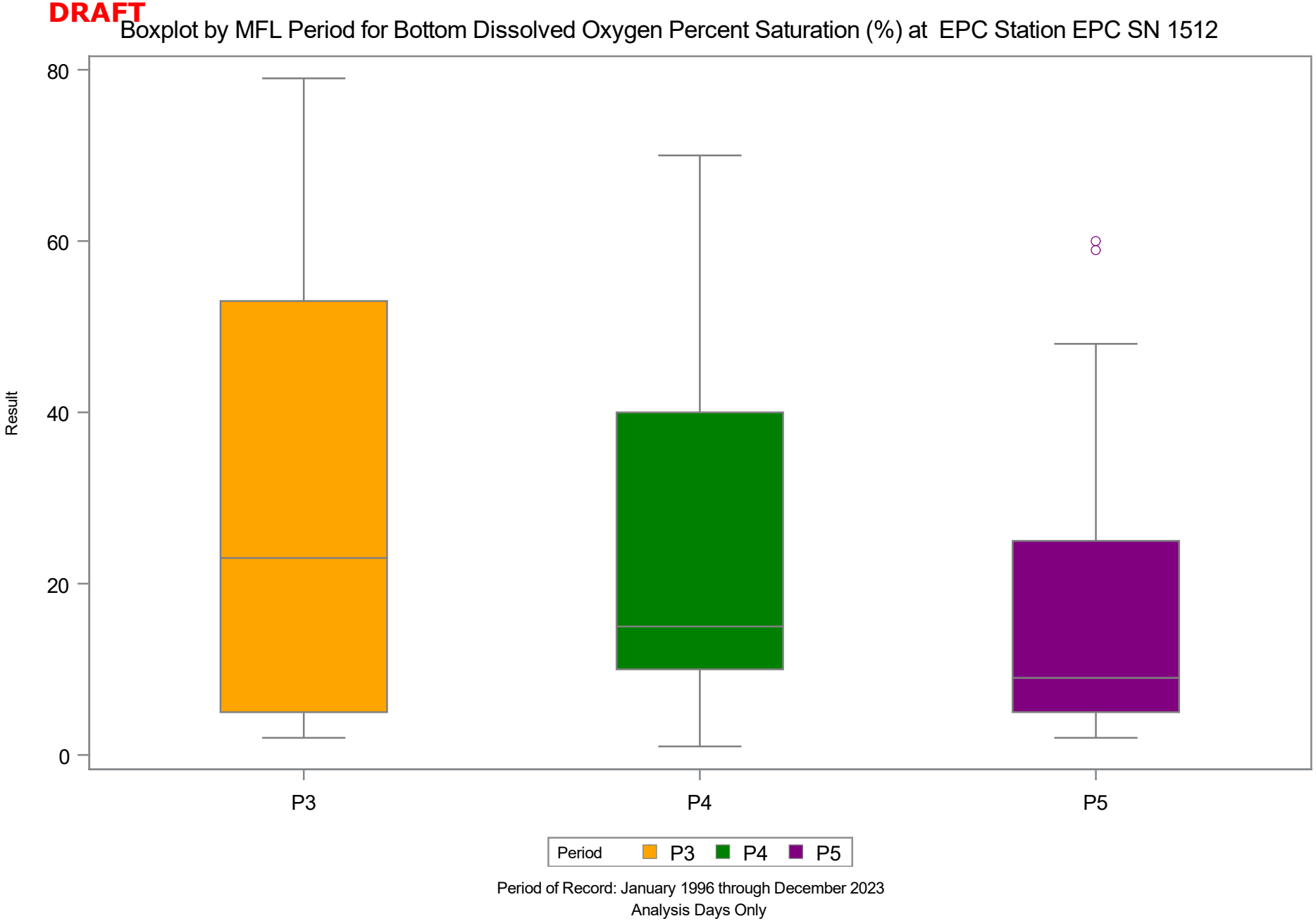
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.00	5.00	31.00	23.00	53.00	79.00
P4	21	1.00	10.00	23.95	15.00	40.00	70.00
P5	21	2.00	5.00	17.76	9.00	25.00	60.00

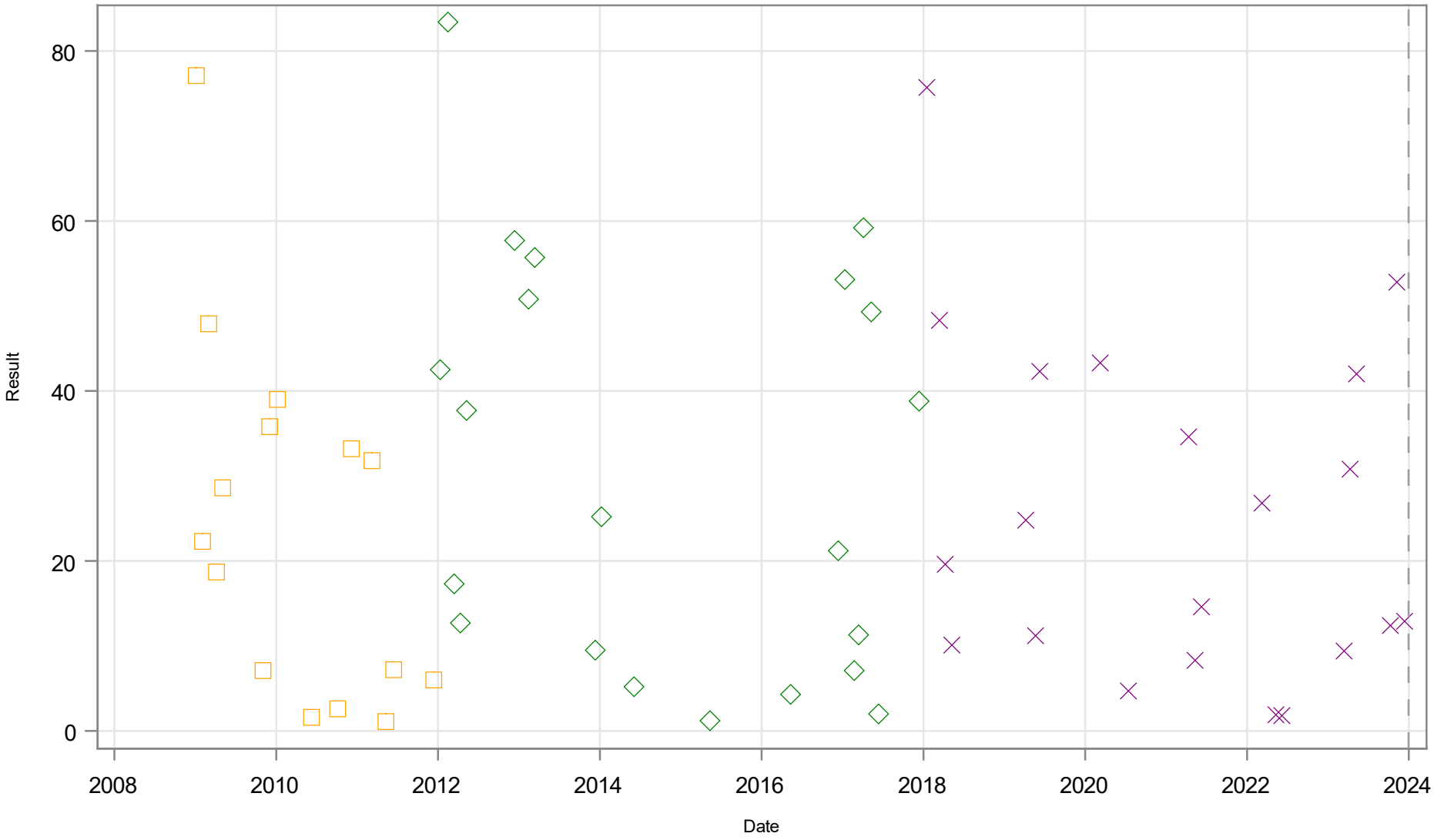
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512
Result
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

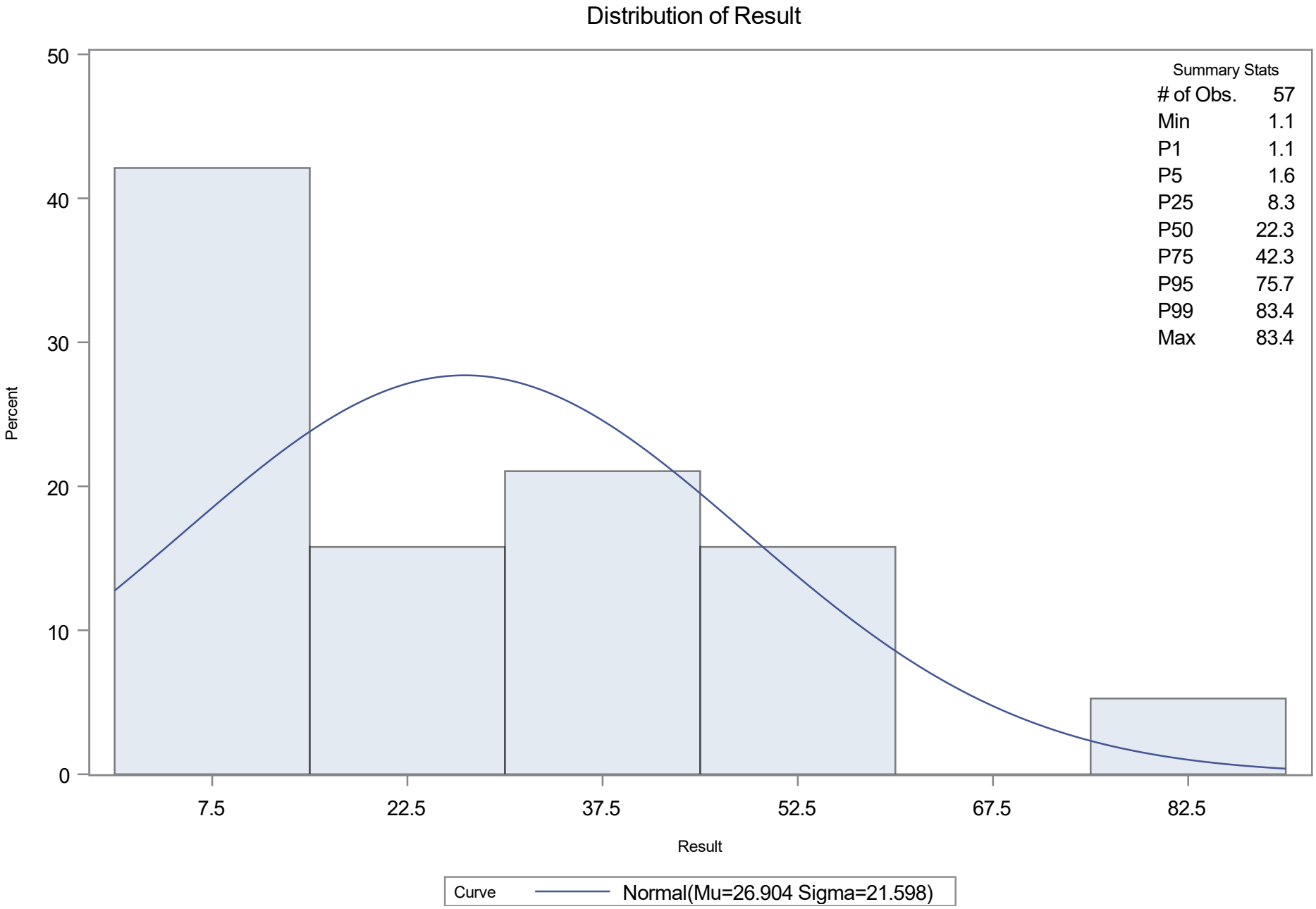
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.90351
Std Dev	Sigma	21.59771

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14513896	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.20464448	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.34532791	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.10000	-23.34028
5.0	1.60000	-8.62156
10.0	2.00000	-0.77507
25.0	8.30000	12.33608
50.0	22.30000	26.90351
75.0	42.30000	41.47094
90.0	55.70000	54.58209
95.0	75.70000	62.42858
99.0	83.40000	77.14729

Period of Record: January 1996 through December 2023
Analysis Days Only

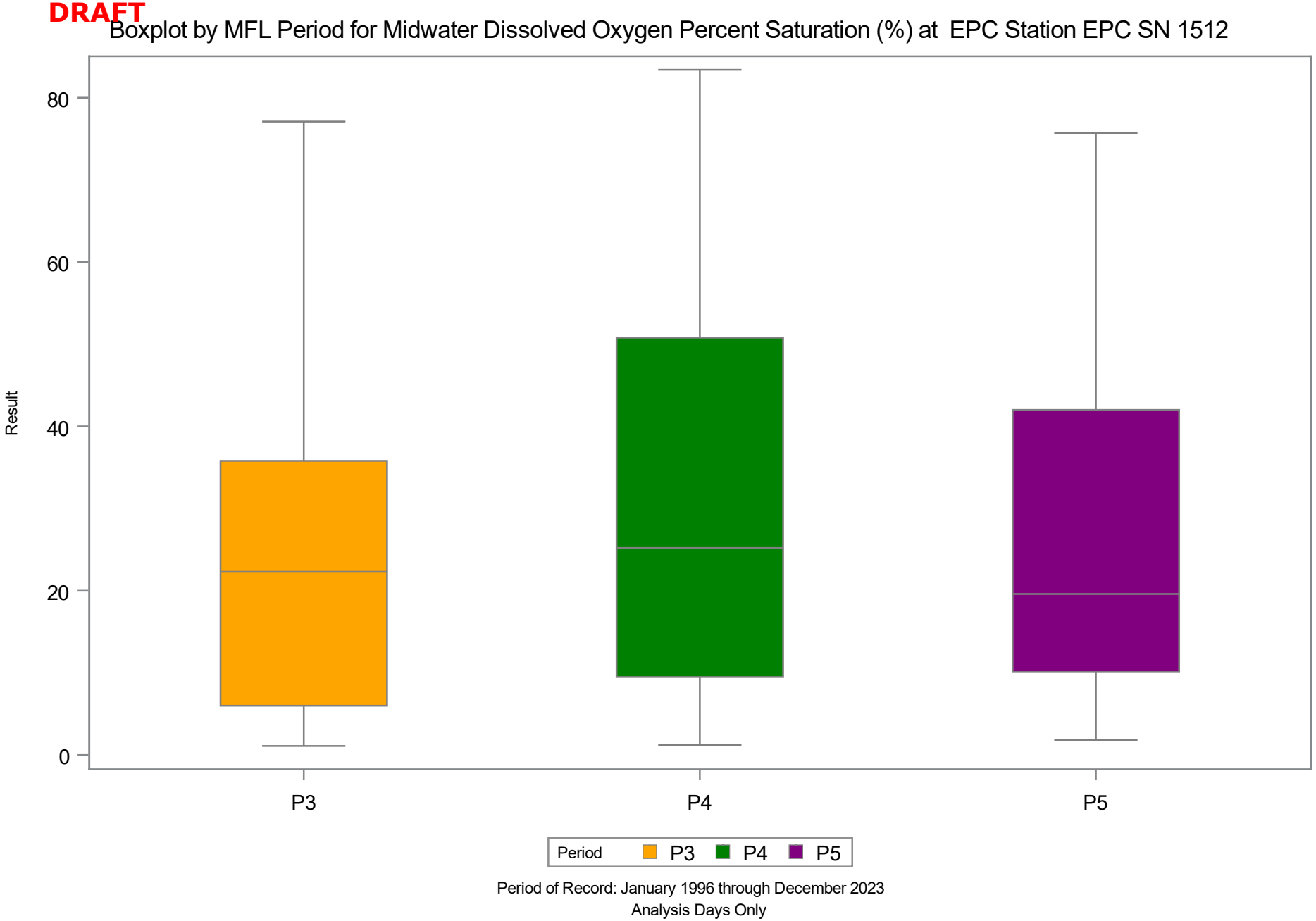
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512

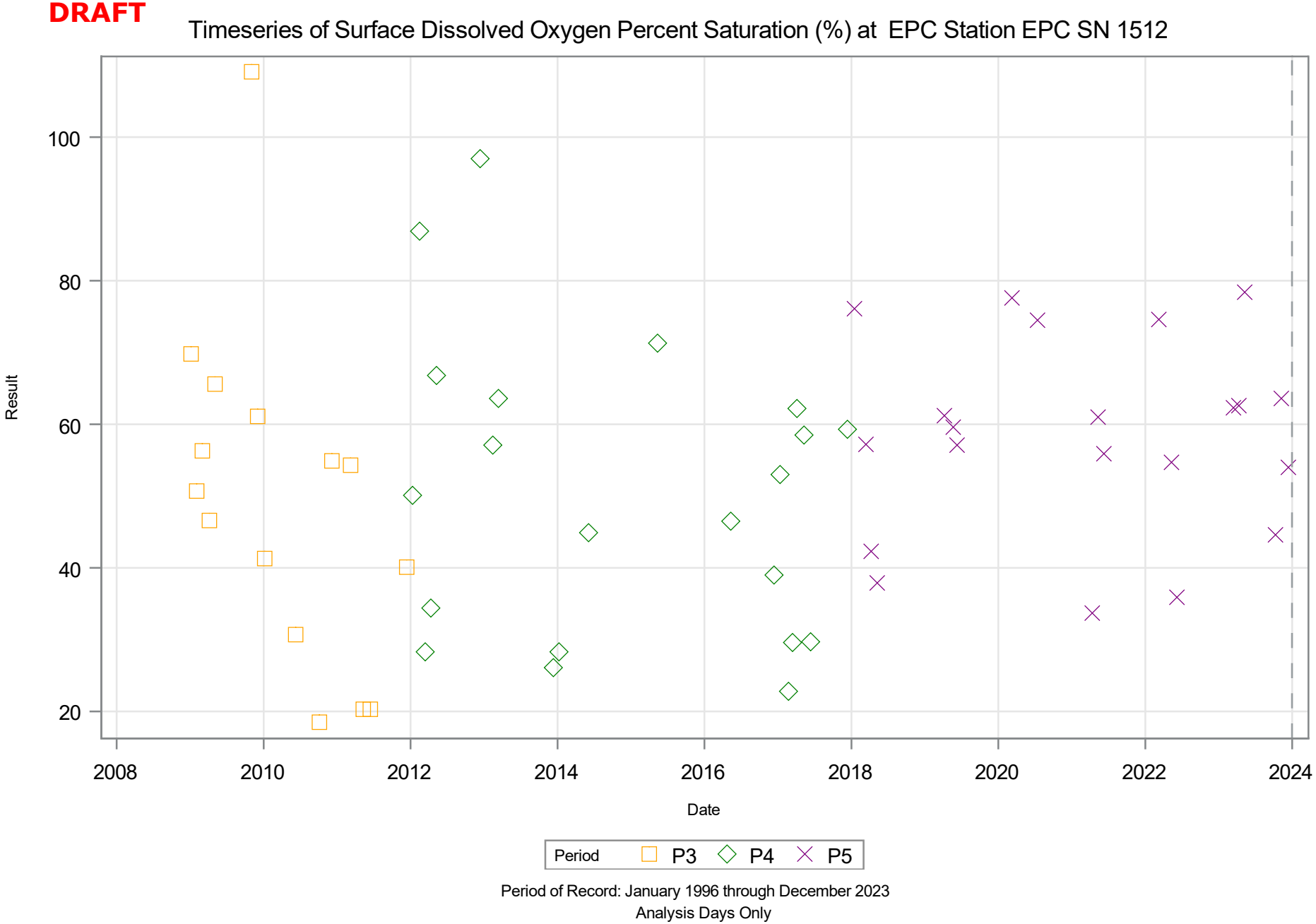
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	1.10	6.00	24.00	22.30	35.80	77.10
P4	21	1.20	9.50	30.72	25.20	50.80	83.40
P5	21	1.80	10.10	25.16	19.60	42.00	75.70

Period of Record: January 1996 through December 2023
Analysis Days Only

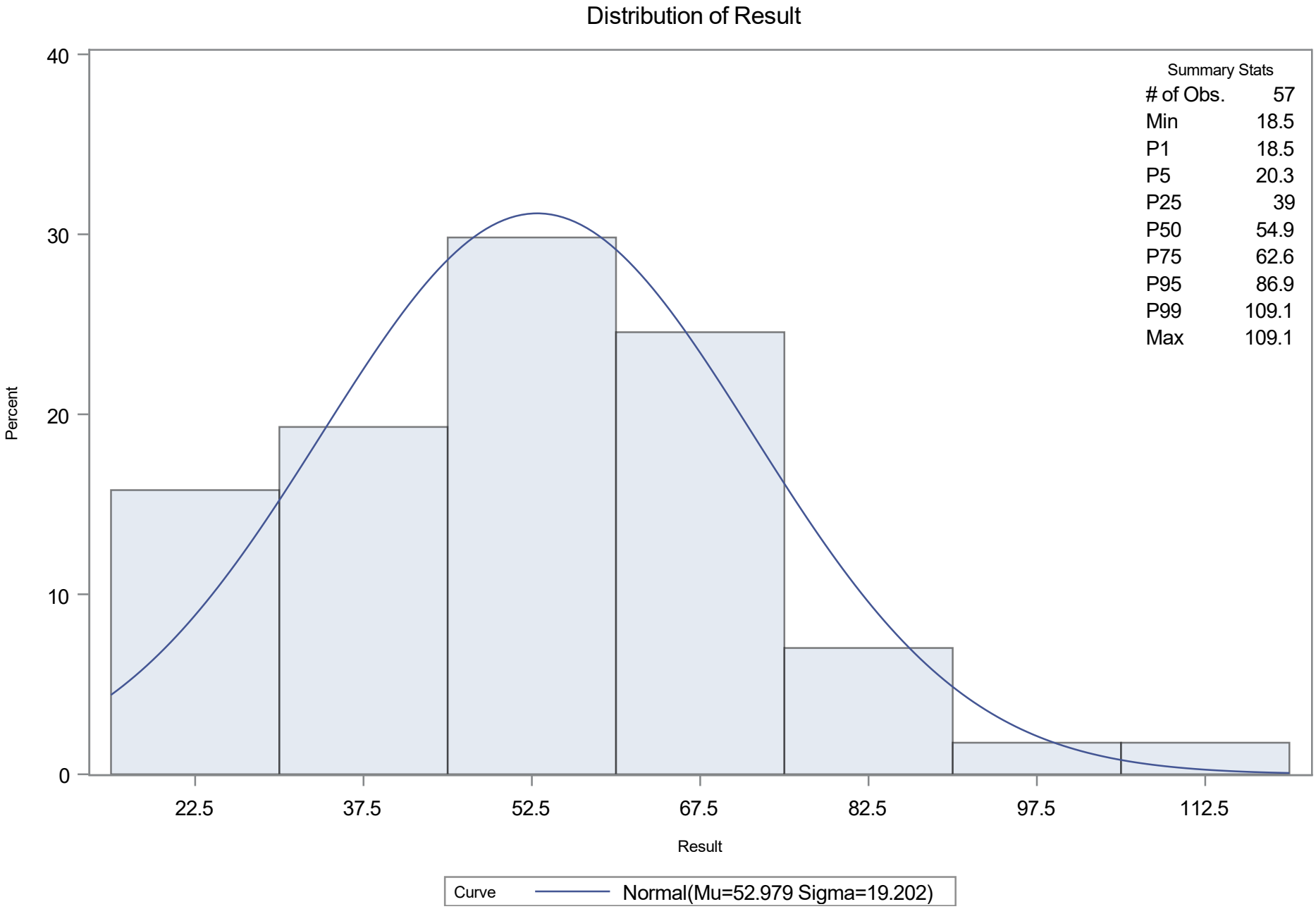
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512
Result
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512
Result
100
80
60
40
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	52.97895
Std Dev	Sigma	19.2018

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08260721	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06132488	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.39575717	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.5000	8.30888
5.0	20.3000	21.39479
10.0	28.3000	28.37085
25.0	39.0000	40.02753
50.0	54.9000	52.97895
75.0	62.6000	65.93037
90.0	76.1000	77.58705
95.0	86.9000	84.56310
99.0	109.1000	97.64902

Period of Record: January 1996 through December 2023
Analysis Days Only

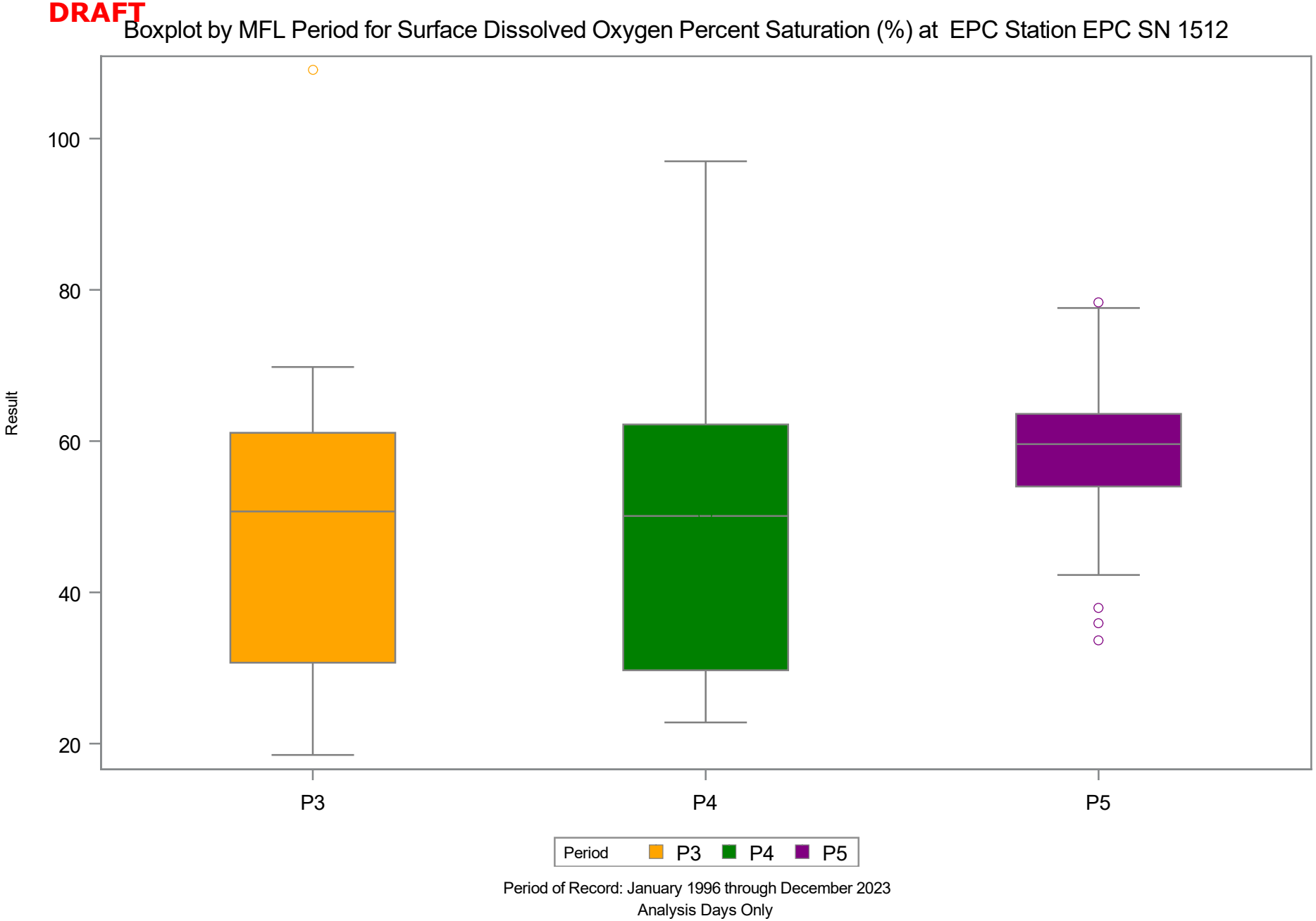
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	18.50	30.70	49.31	50.70	61.10	109.10
P4	21	22.80	29.70	50.26	50.10	62.20	97.00
P5	21	33.70	54.00	58.32	59.60	63.60	78.40

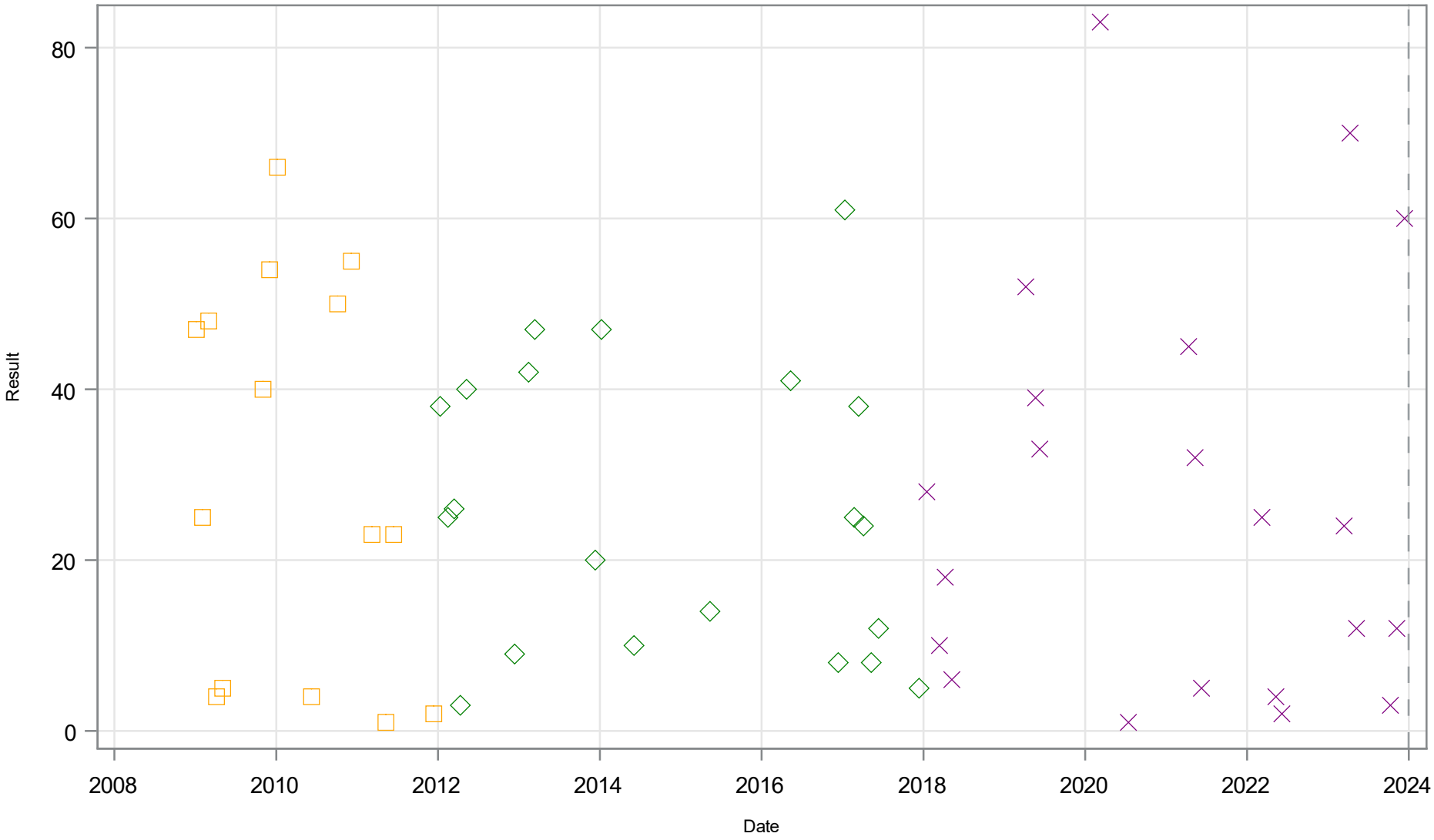
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1512
Result
100
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

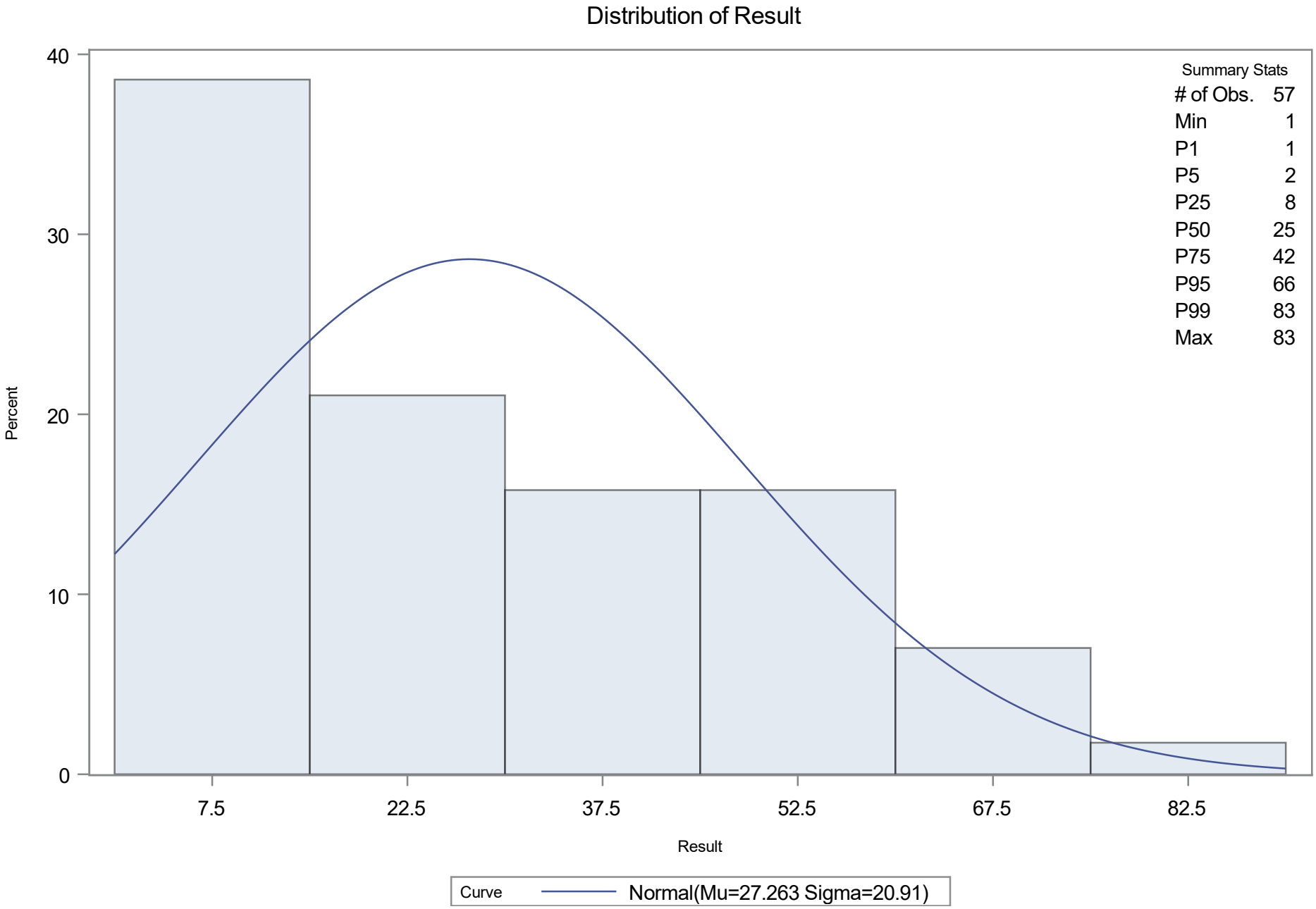
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	27.26316
Std Dev	Sigma	20.91012

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13570800	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18007434	**Pr > W-Sq**	0.009
Anderson-Darling	**A-Sq**	1.18450244	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-21.38105
5.0	2.00000	-7.13093
10.0	3.00000	0.46576
25.0	8.00000	13.15950
50.0	25.00000	27.26316
75.0	42.00000	41.36682
90.0	55.00000	54.06055
95.0	66.00000	61.65724
99.0	83.00000	75.90737

Period of Record: January 1996 through December 2023
Analysis Days Only

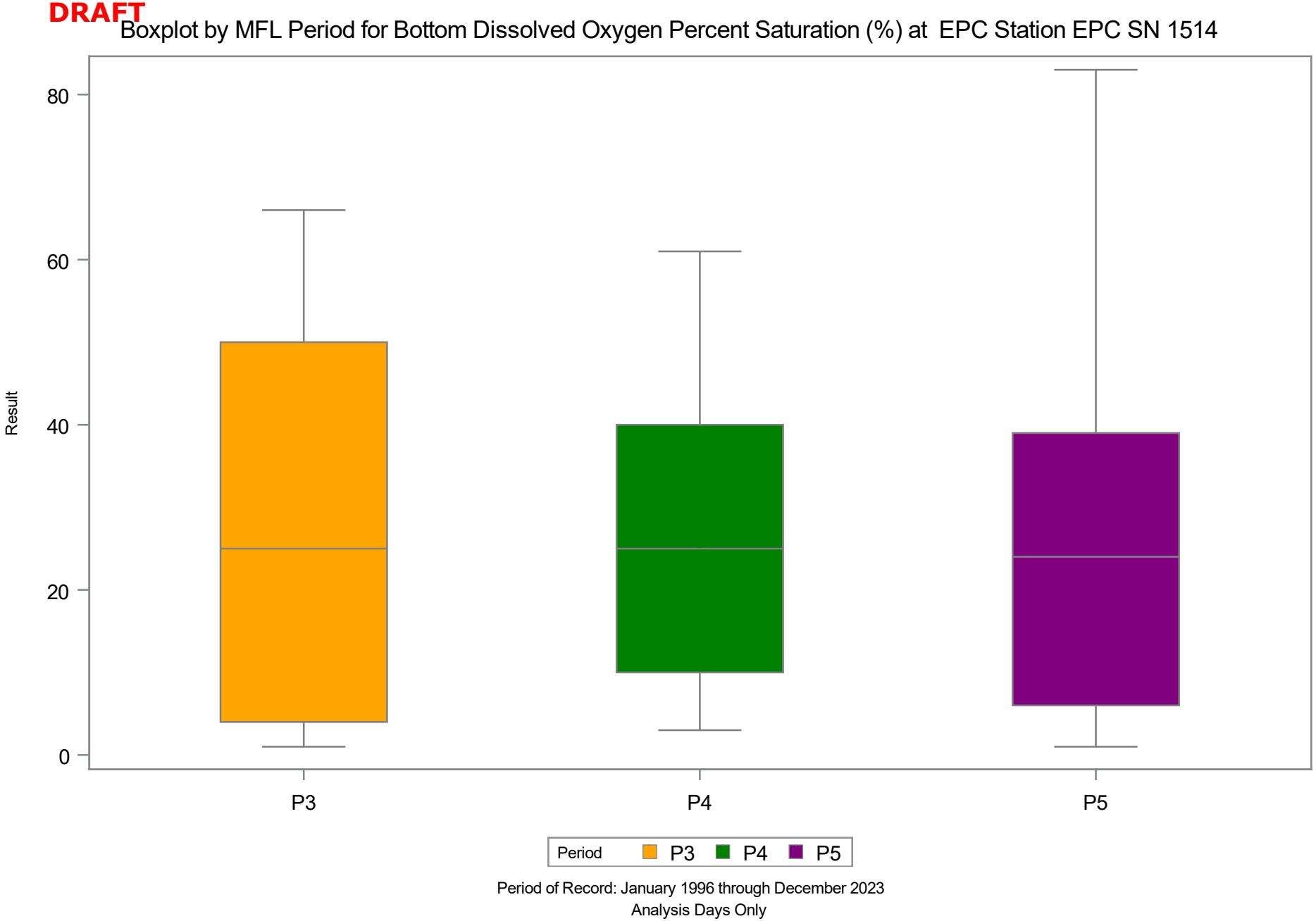
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	1.00	4.00	29.80	25.00	50.00	66.00
P4	21	3.00	10.00	25.86	25.00	40.00	61.00
P5	21	1.00	6.00	26.86	24.00	39.00	83.00

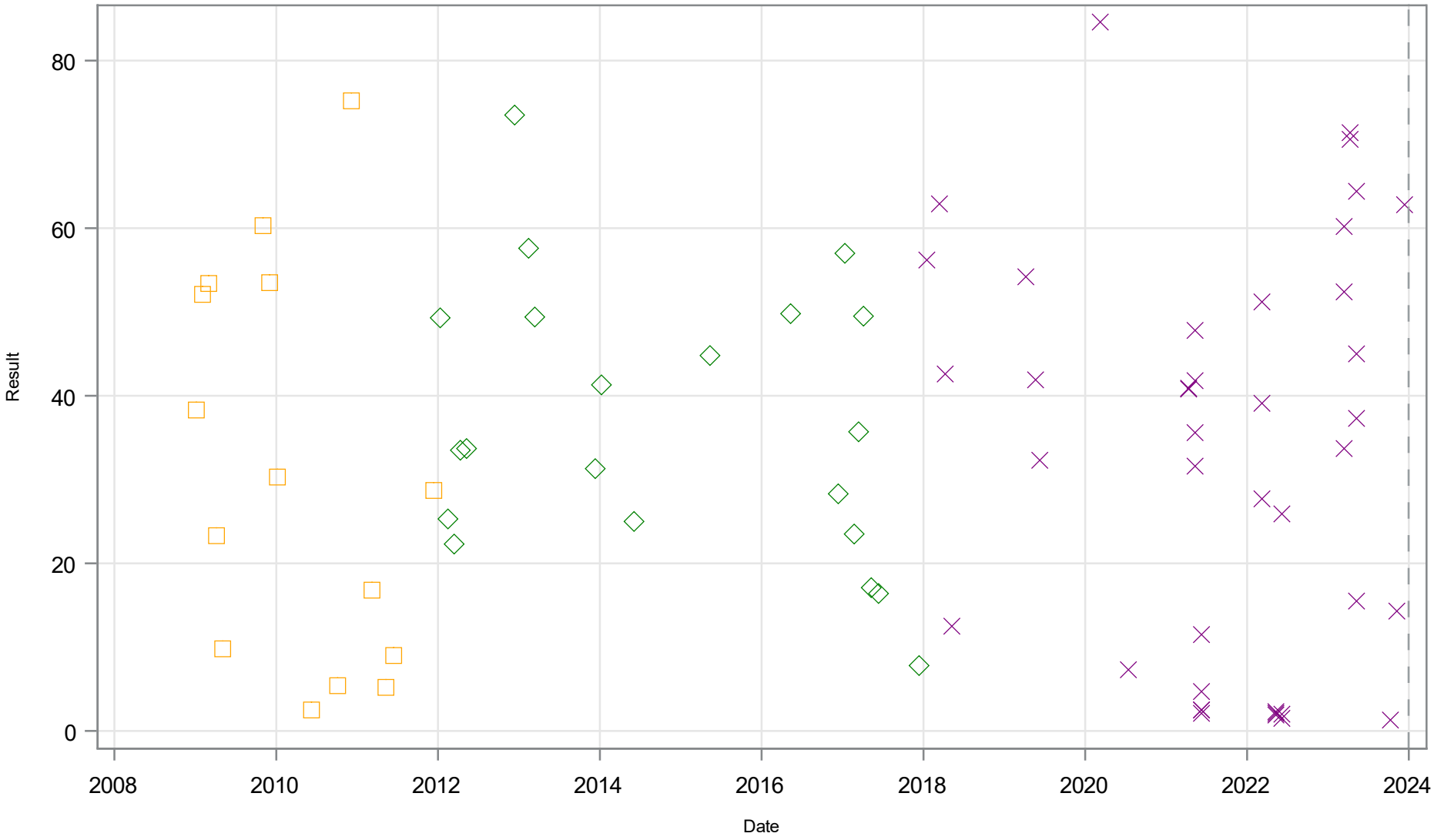
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514
Result
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

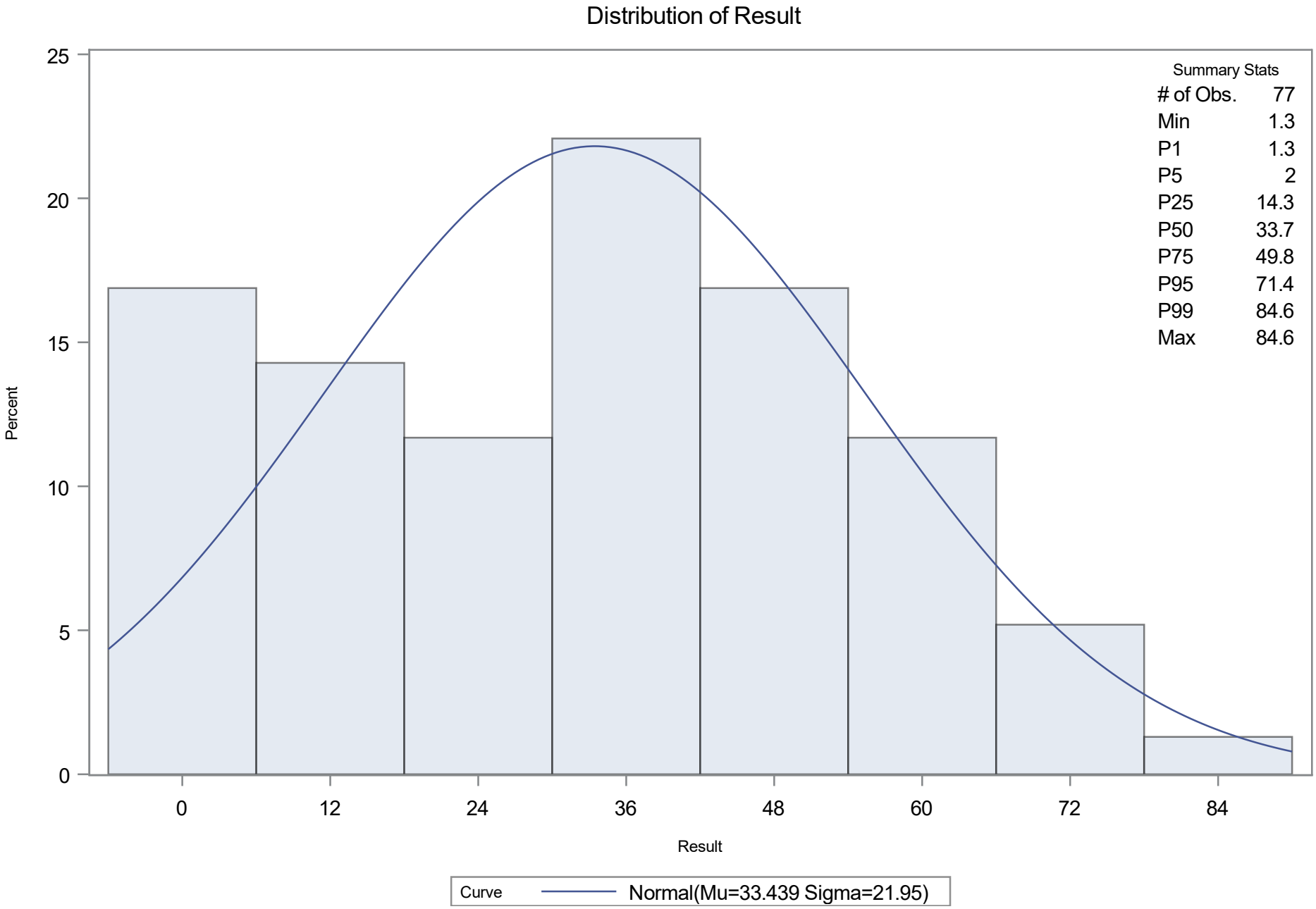
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	33.43896
Std Dev	Sigma	21.94968

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08336580	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09276298	**Pr > W-Sq**	0.141
Anderson-Darling	**A-Sq**	0.78780384	**Pr > A-Sq**	0.041

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.30000	-17.62363
5.0	2.00000	-2.66505
10.0	2.50000	5.30931
25.0	14.30000	18.63413
50.0	33.70000	33.43896
75.0	49.80000	48.24380
90.0	62.80000	61.56861
95.0	71.40000	69.54297
99.0	84.60000	84.50155

Period of Record: January 1996 through December 2023
Analysis Days Only

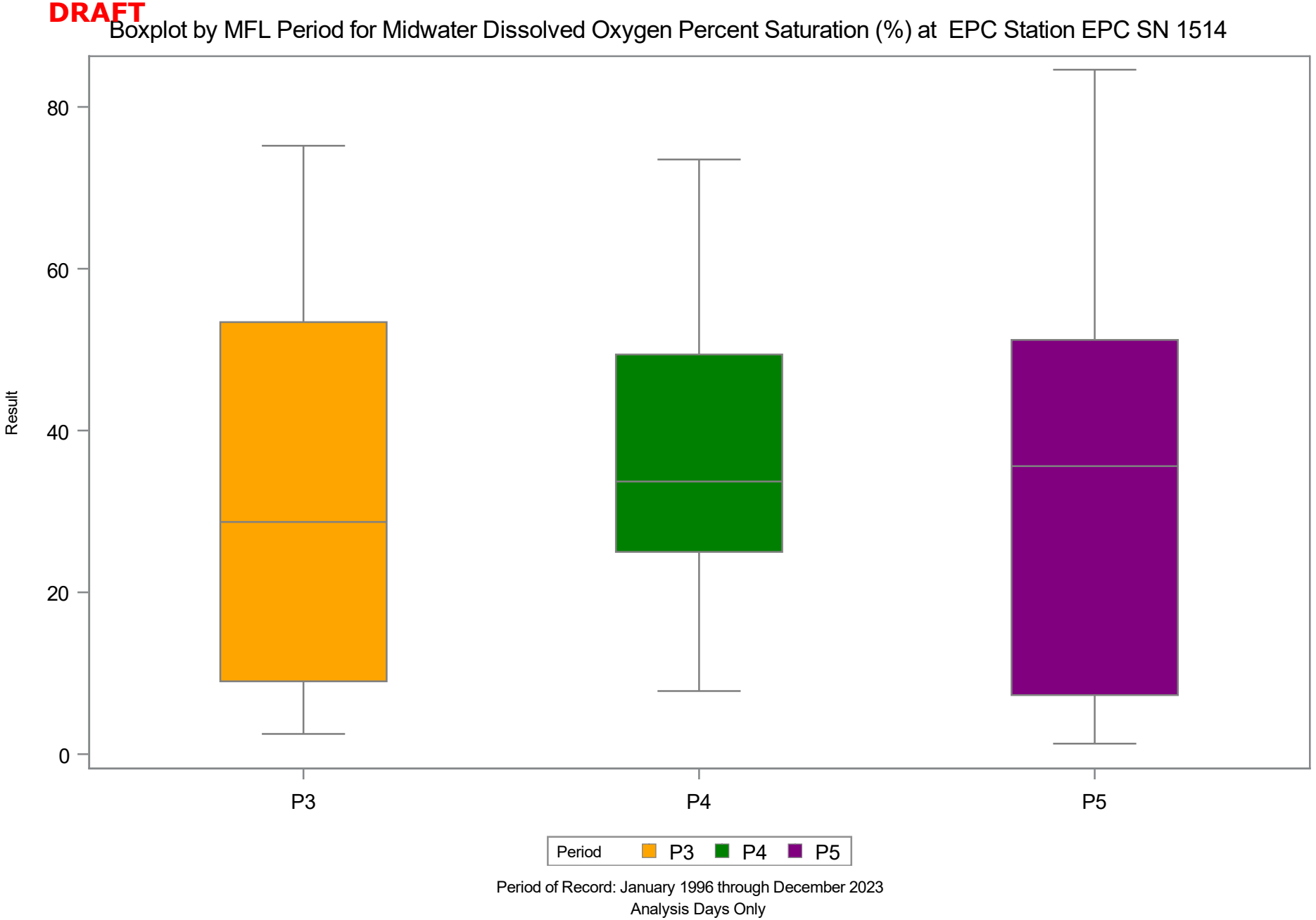
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.50	9.00	30.92	28.70	53.40	75.20
P4	21	7.80	25.00	36.77	33.70	49.40	73.50
P5	41	1.30	7.30	32.66	35.60	51.20	84.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

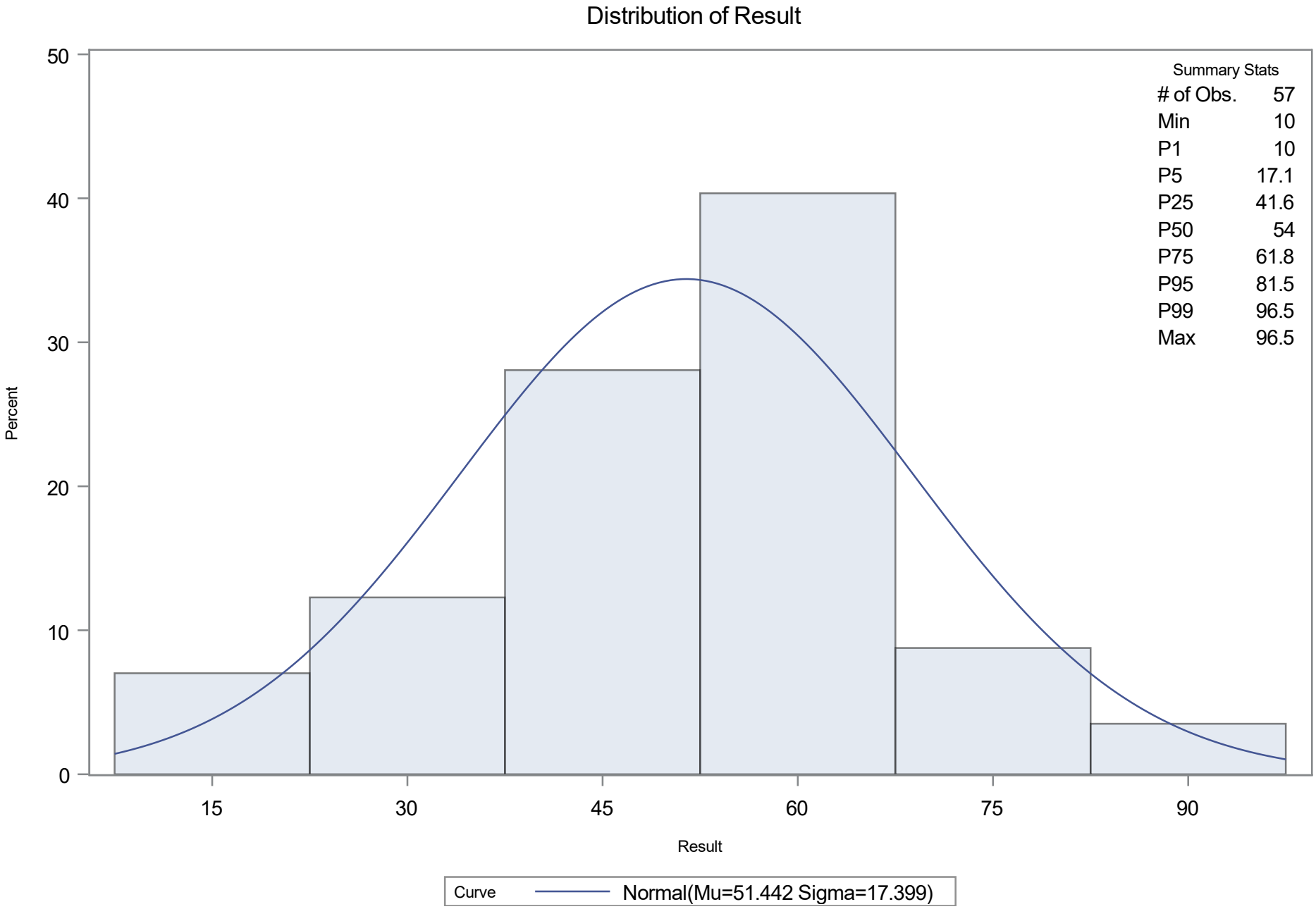

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514
Result
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	51.44211
Std Dev	Sigma	17.39879

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08406314	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07333804	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44414044	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.00000	10.9665
5.0	17.10000	22.8236
10.0	27.30000	29.1447
25.0	41.60000	39.7068
50.0	54.00000	51.4421
75.0	61.80000	63.1774
90.0	71.90000	73.7395
95.0	81.50000	80.0606
99.0	96.50000	91.9177

Period of Record: January 1996 through December 2023
Analysis Days Only

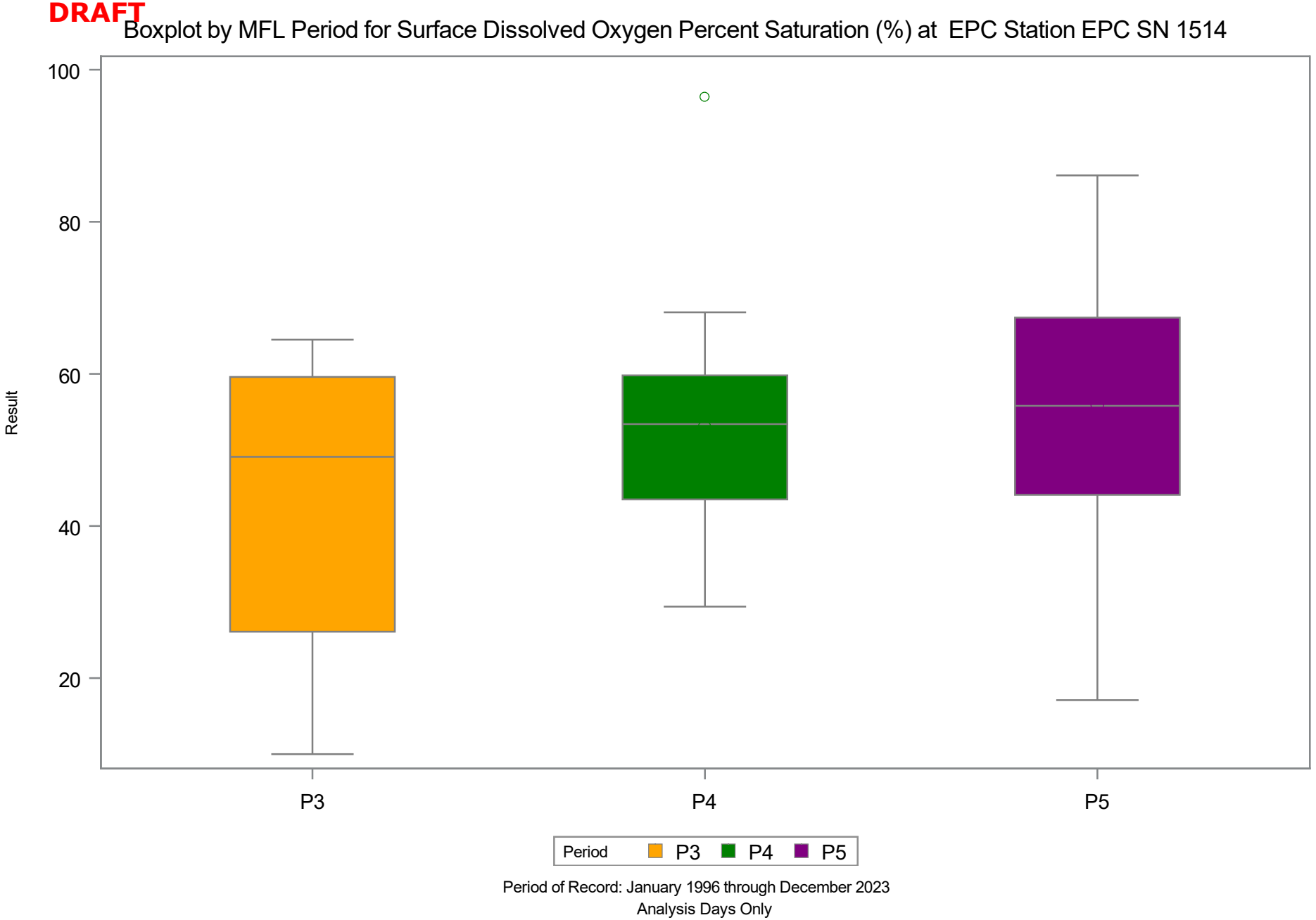
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	10.00	26.10	42.94	49.10	59.60	64.50
P4	21	29.40	43.50	52.95	53.40	59.80	96.50
P5	21	17.10	44.10	56.01	55.80	67.40	86.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

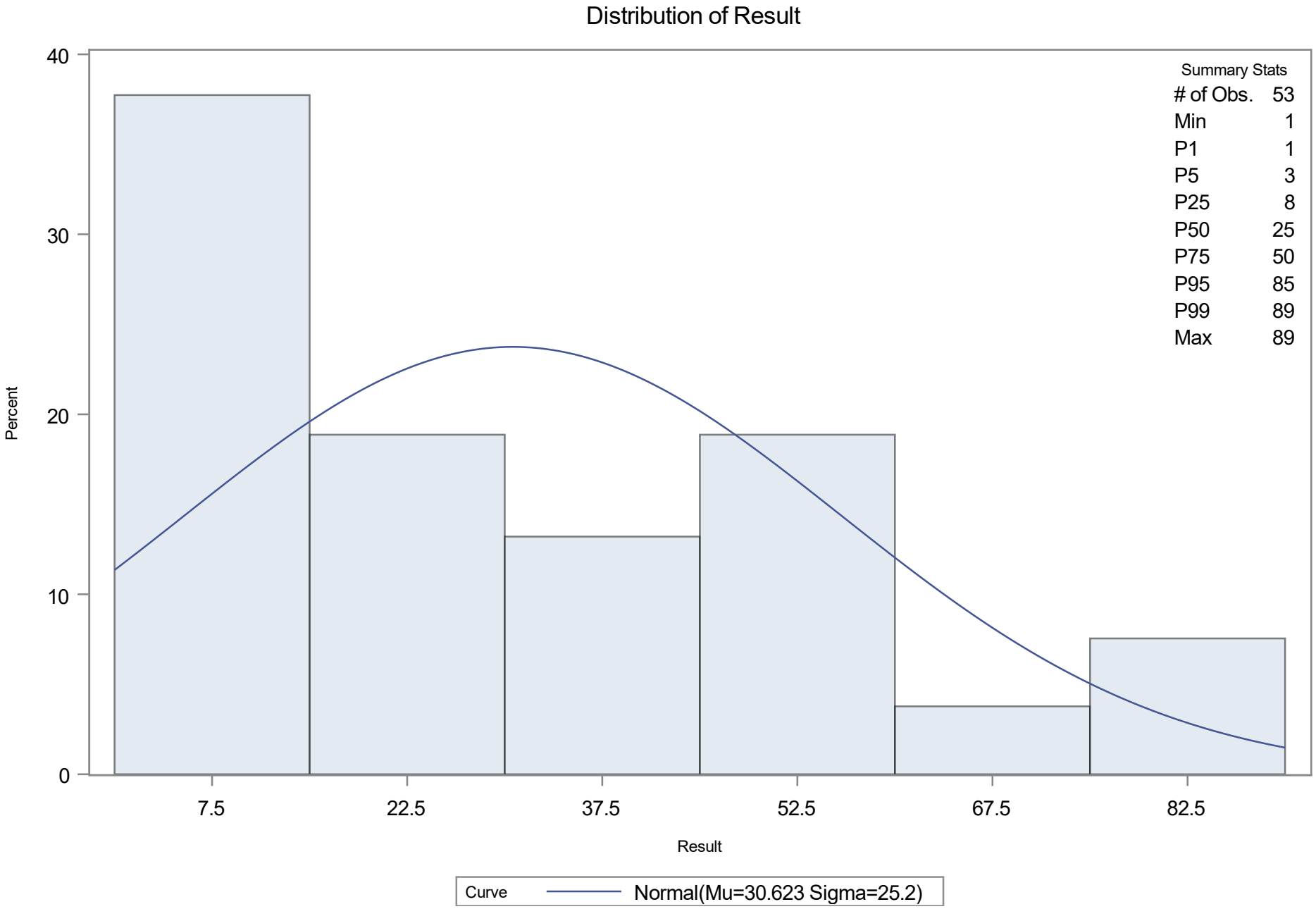

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1514
Result
100
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	30.62264
Std Dev	Sigma	25.20014

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14744655	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.23248670	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.55490739	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-28.00166
5.0	3.00000	-10.82790
10.0	4.00000	-1.67264
25.0	8.00000	13.62540
50.0	25.00000	30.62264
75.0	50.00000	47.61988
90.0	68.00000	62.91792
95.0	85.00000	72.07319
99.0	89.00000	89.24694

Period of Record: January 1996 through December 2023
Analysis Days Only

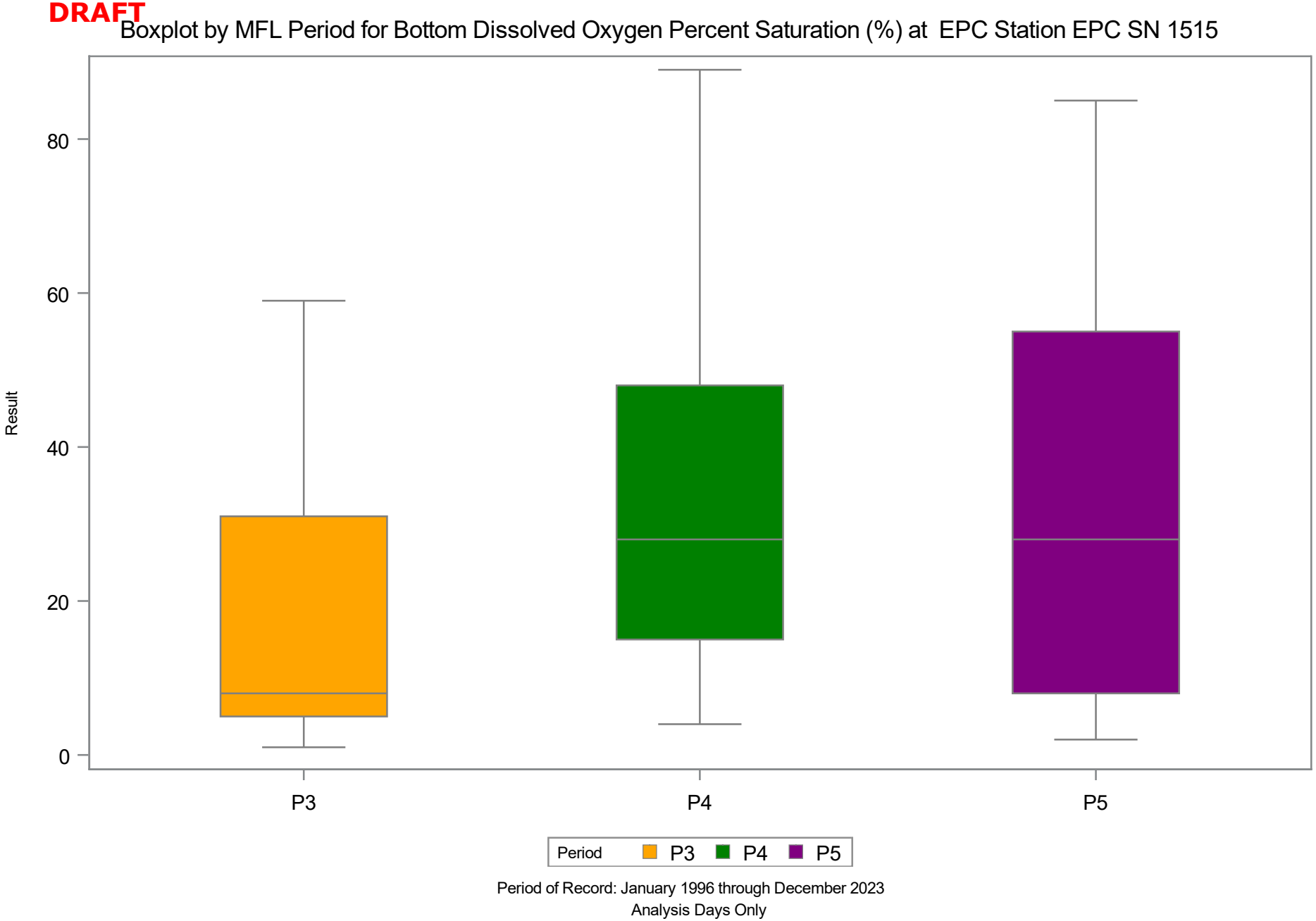
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	1.00	5.00	17.54	8.00	31.00	59.00
P4	21	4.00	15.00	34.52	28.00	48.00	89.00
P5	19	2.00	8.00	35.26	28.00	55.00	85.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

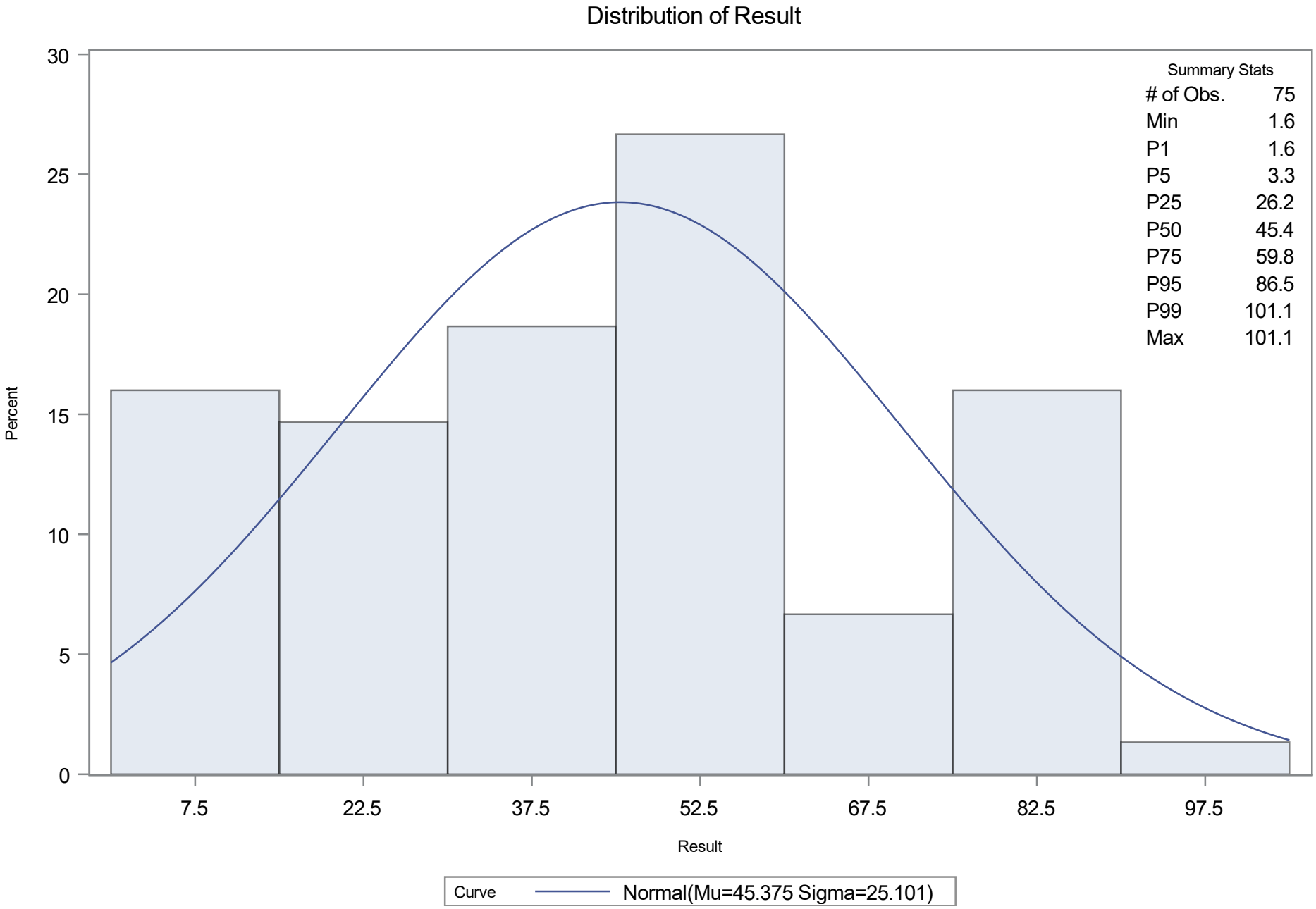

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515
Result
0
20
40
60
80
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	45.37467
Std Dev	Sigma	25.10131

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06386368	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05290539	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44513241	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.60000	-13.01972
5.0	3.30000	4.08668
10.0	12.20000	13.20604
25.0	26.20000	28.44409
50.0	45.40000	45.37467
75.0	59.80000	62.30525
90.0	81.00000	77.54330
95.0	86.50000	86.66265
99.0	101.10000	103.76906

Period of Record: January 1996 through December 2023
Analysis Days Only

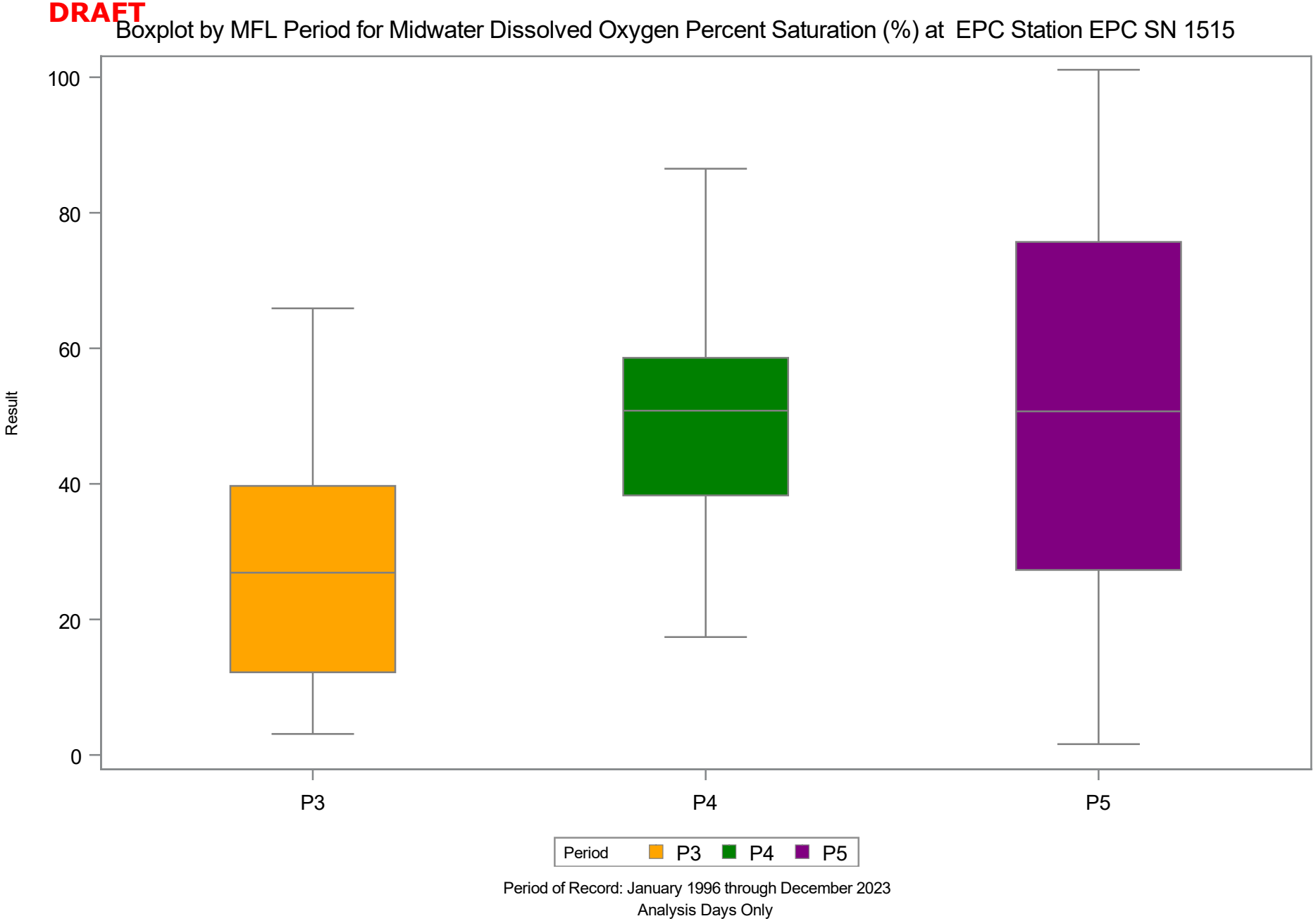
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

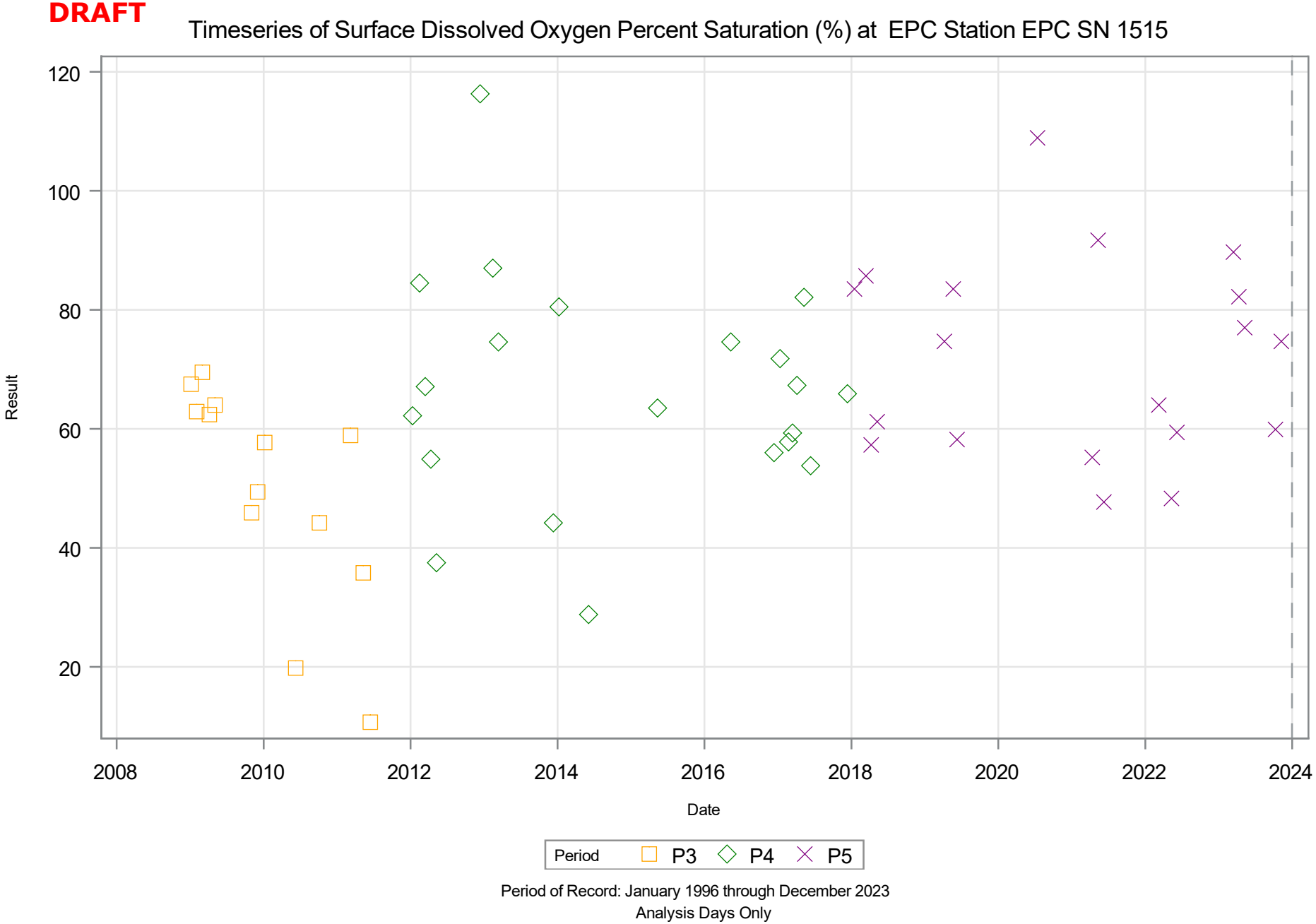
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	3.10	12.20	28.46	26.90	39.70	65.90
P4	21	17.40	38.30	48.71	50.80	58.60	86.50
P5	41	1.60	27.30	49.03	50.70	75.70	101.10

Period of Record: January 1996 through December 2023
Analysis Days Only

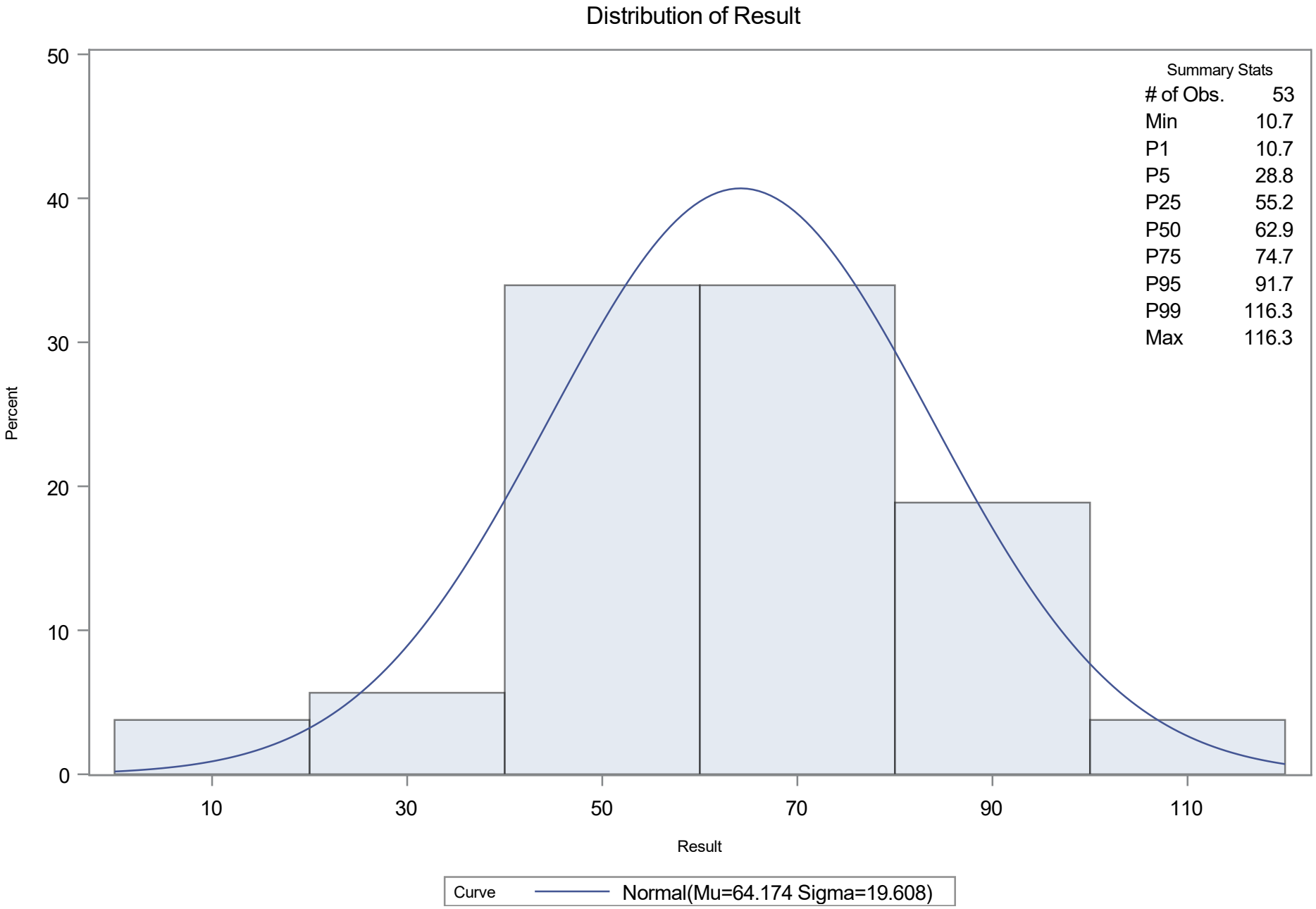
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515
Result
120
100
80
60
40
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	64.17358
Std Dev	Sigma	19.60847

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09171369	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07312974	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.45243342	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.7000	18.5575
5.0	28.8000	31.9205
10.0	44.2000	39.0443
25.0	55.2000	50.9479
50.0	62.9000	64.1736
75.0	74.7000	77.3993
90.0	85.7000	89.3028
95.0	91.7000	96.4266
99.0	116.3000	109.7897

Period of Record: January 1996 through December 2023
Analysis Days Only

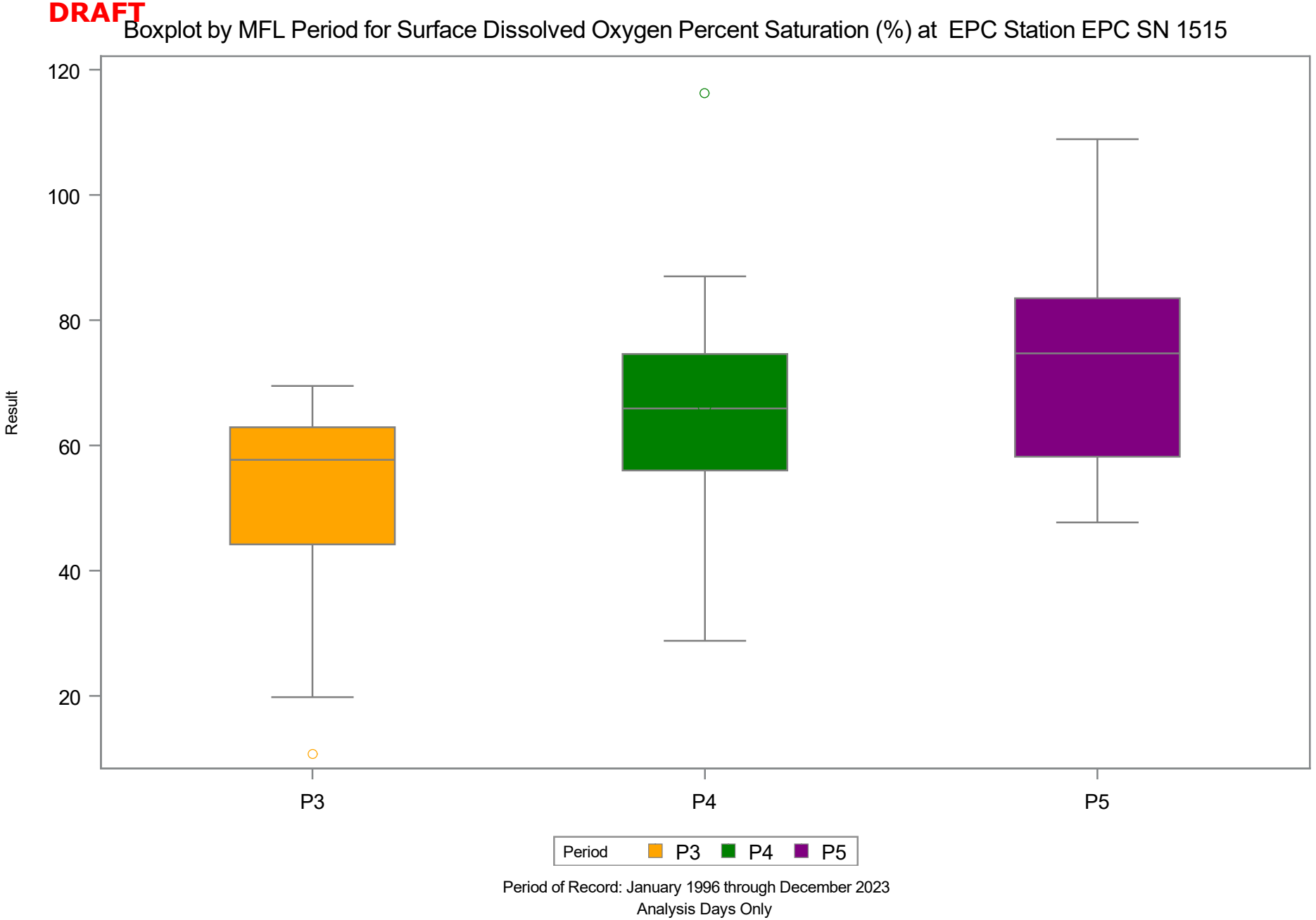
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	10.70	44.20	49.90	57.70	62.90	69.50
P4	21	28.80	56.00	66.18	65.90	74.60	116.30
P5	19	47.70	58.20	71.73	74.70	83.50	108.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

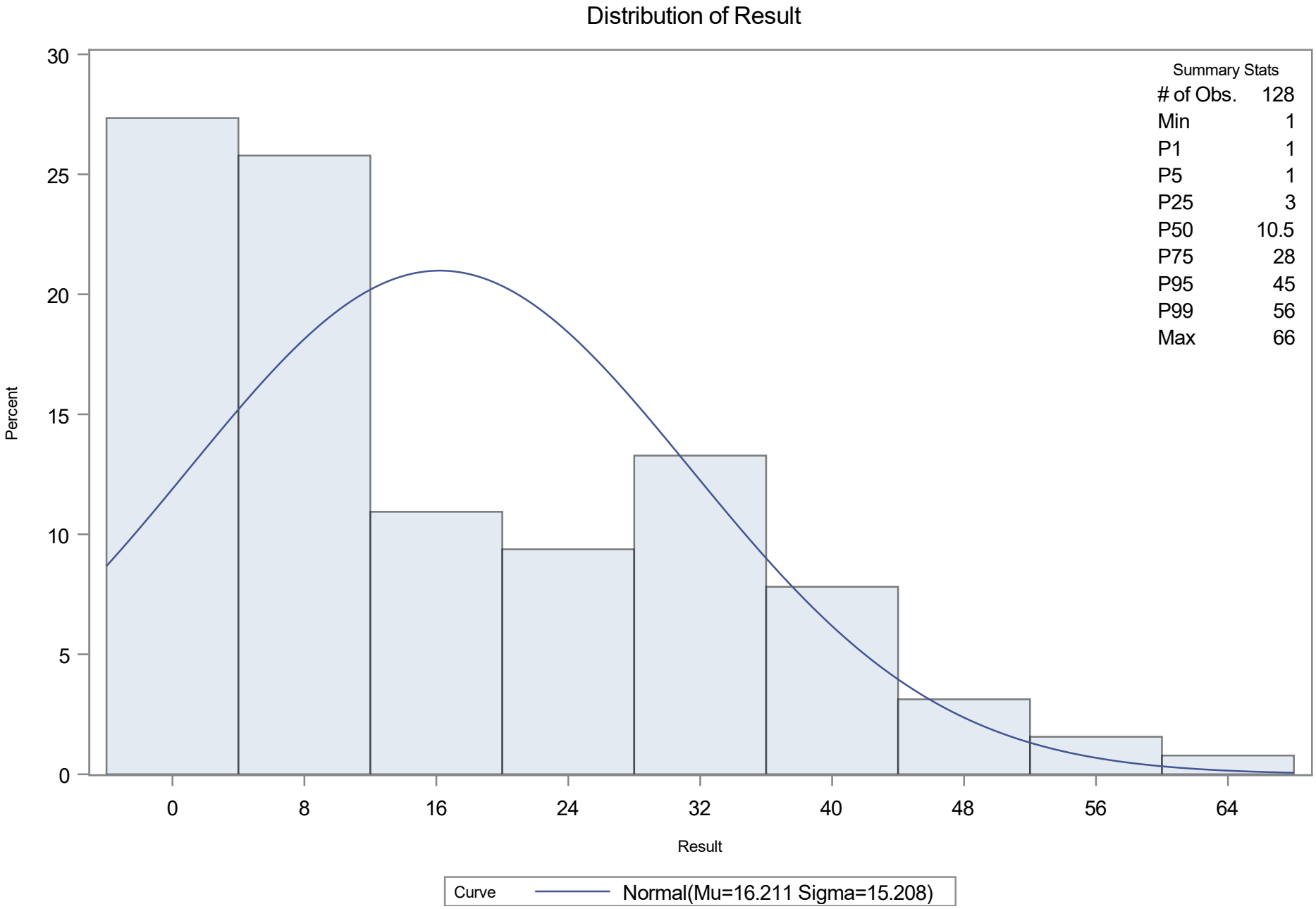

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 1515
Result
120
100
80
60
40
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.21094
Std Dev	Sigma	15.20757

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17736128	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.08588086	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.15185739	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-19.16716
5.0	1.00000	-8.80329
10.0	2.00000	-3.27834
25.0	3.00000	5.95359
50.0	10.50000	16.21094
75.0	28.00000	26.46829
90.0	40.00000	35.70022
95.0	45.00000	41.22516
99.0	56.00000	51.58903

Period of Record: January 1996 through December 2023
Analysis Days Only

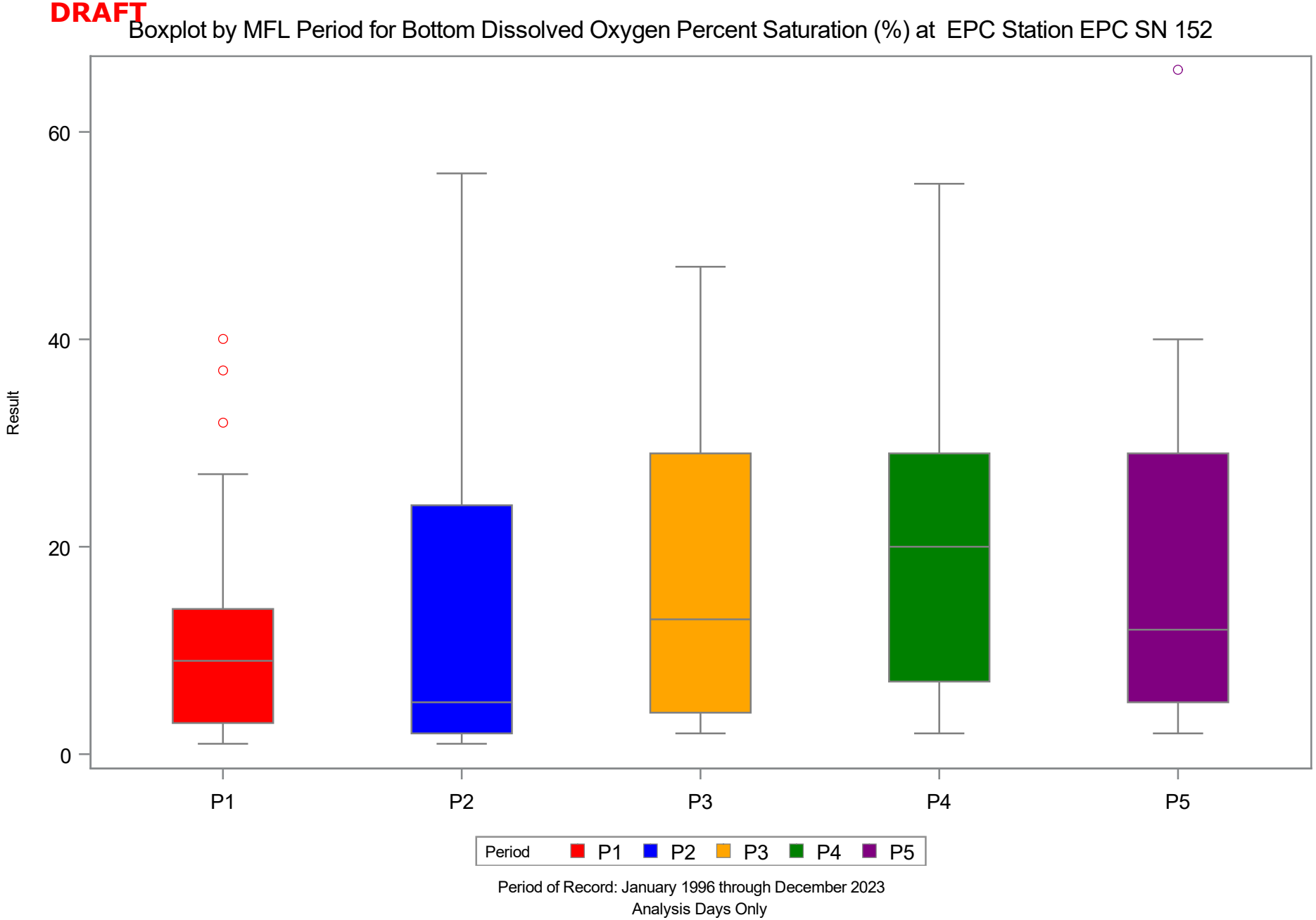
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152

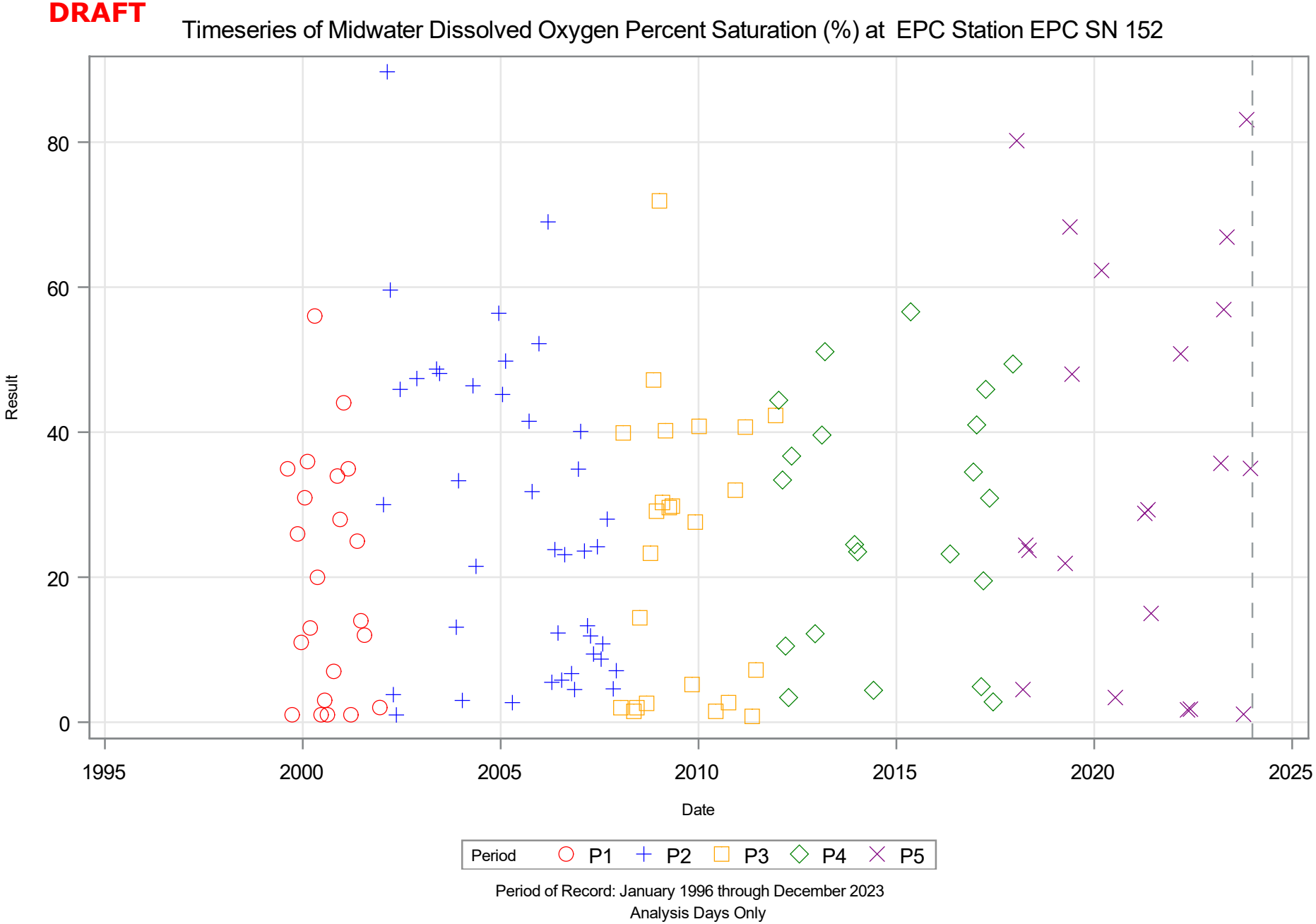
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	21	1.00	3.00	12.52	9.00	14.00	40.00
P2	41	1.00	2.00	13.73	5.00	24.00	56.00
P3	24	2.00	4.00	17.79	13.00	29.00	47.00
P4	21	2.00	7.00	20.81	20.00	29.00	55.00
P5	21	2.00	5.00	18.33	12.00	29.00	66.00

Period of Record: January 1996 through December 2023
Analysis Days Only

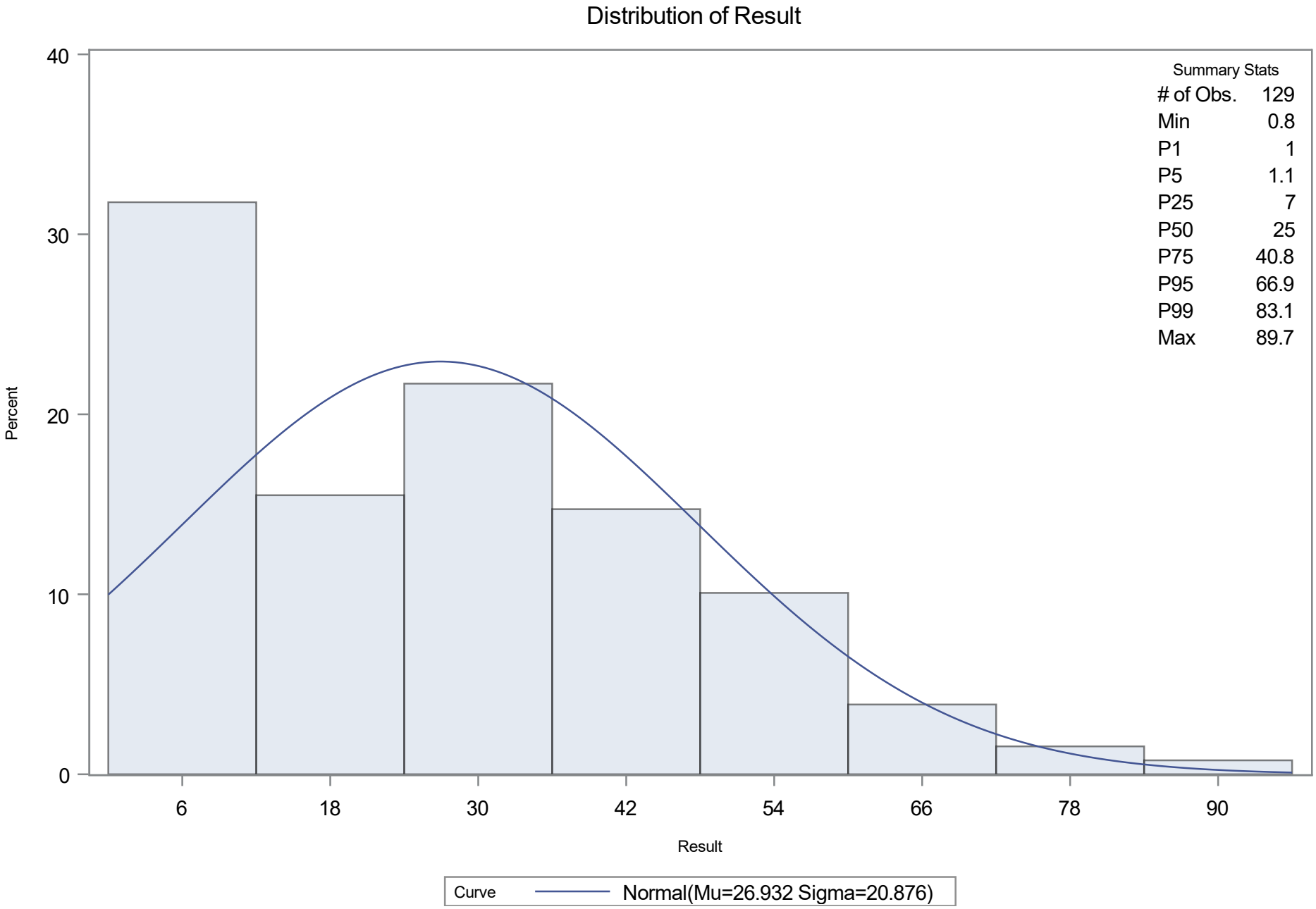
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152
Result
60
40
20
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152
Result
0
20
40
60
80
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.93178
Std Dev	Sigma	20.87558

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10746336	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26600259	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.08335659	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-21.63209
5.0	1.10000	-7.40550
10.0	2.00000	0.17865
25.0	7.00000	12.85142
50.0	25.00000	26.93178
75.0	40.80000	41.01215
90.0	56.00000	53.68492
95.0	66.90000	61.26906
99.0	83.10000	75.49565

Period of Record: January 1996 through December 2023
Analysis Days Only

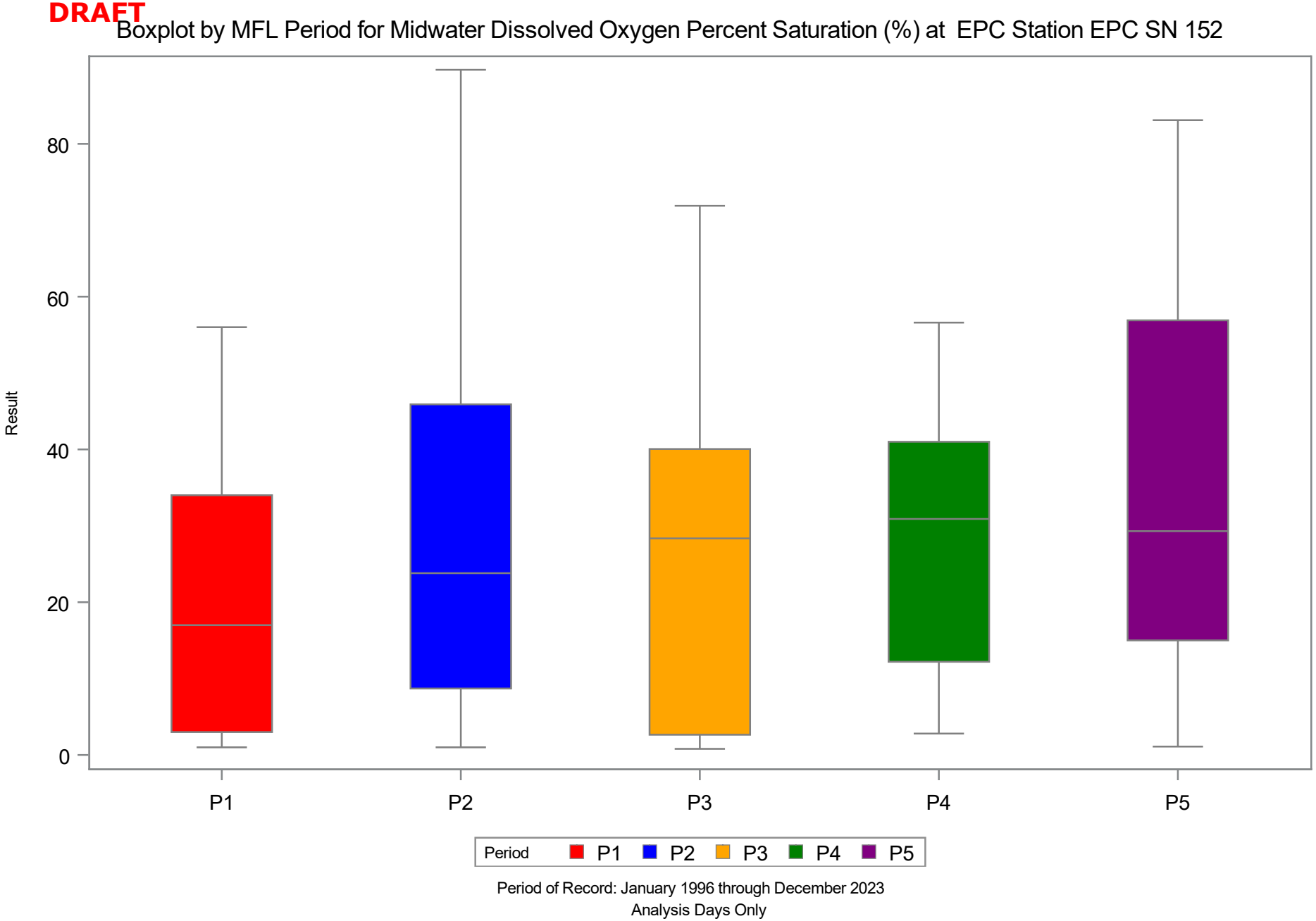
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	22	1.00	3.00	19.82	17.00	34.00	56.00
P2	41	1.00	8.70	27.77	23.80	45.90	89.70
P3	24	0.80	2.65	23.53	28.35	40.05	71.90
P4	21	2.80	12.20	28.21	30.90	41.00	56.60
P5	21	1.10	15.00	35.37	29.30	56.90	83.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

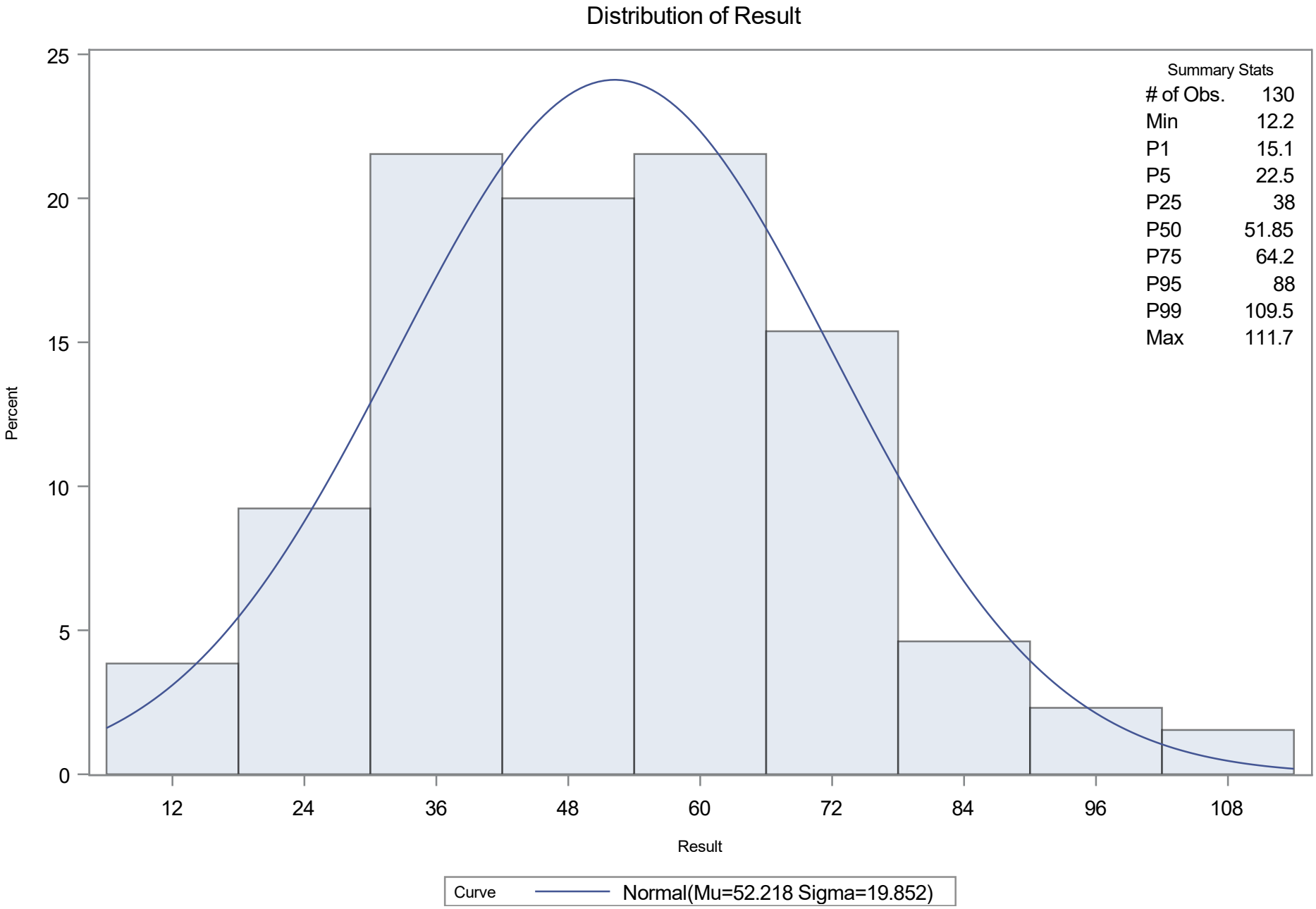

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152
Result
0
20
40
60
80
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	52.21846
Std Dev	Sigma	19.8521

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05152625	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04044943	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31898473	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.1000	6.03556
5.0	22.5000	19.56466
10.0	27.9000	26.77697
25.0	38.0000	38.82842
50.0	51.8500	52.21846
75.0	64.2000	65.60850
90.0	76.3500	77.65996
95.0	88.0000	84.87227
99.0	109.5000	98.40136

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	23	23.00	35.00	50.30	51.00	60.00	101.00
P2	41	15.10	34.70	47.22	47.40	57.70	74.30
P3	24	12.20	34.50	48.48	44.55	60.35	89.40
P4	21	29.90	41.50	58.60	56.60	66.60	111.70
P5	21	15.60	51.10	61.95	66.10	73.70	109.50

Period of Record: January 1996 through December 2023
Analysis Days Only

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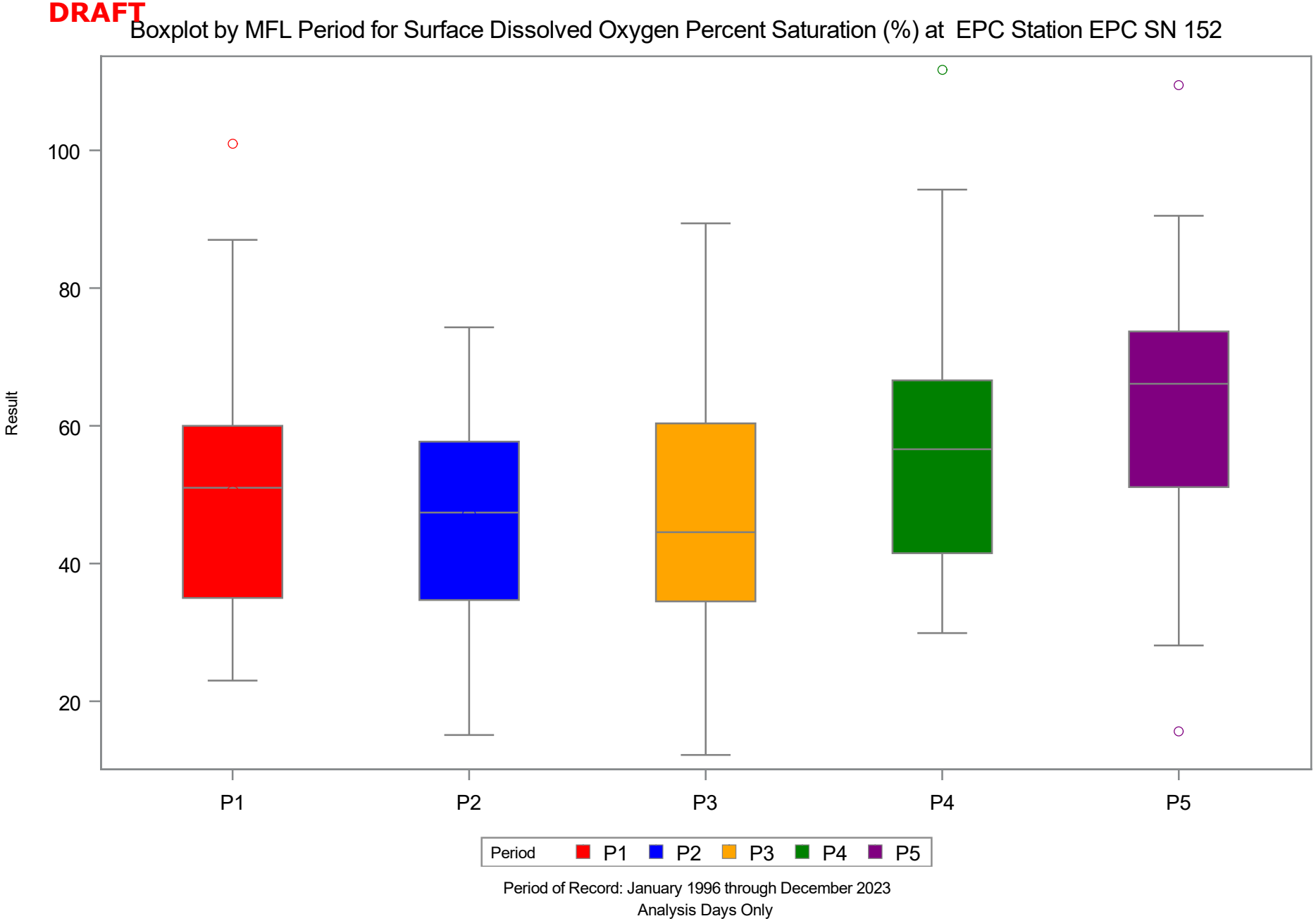
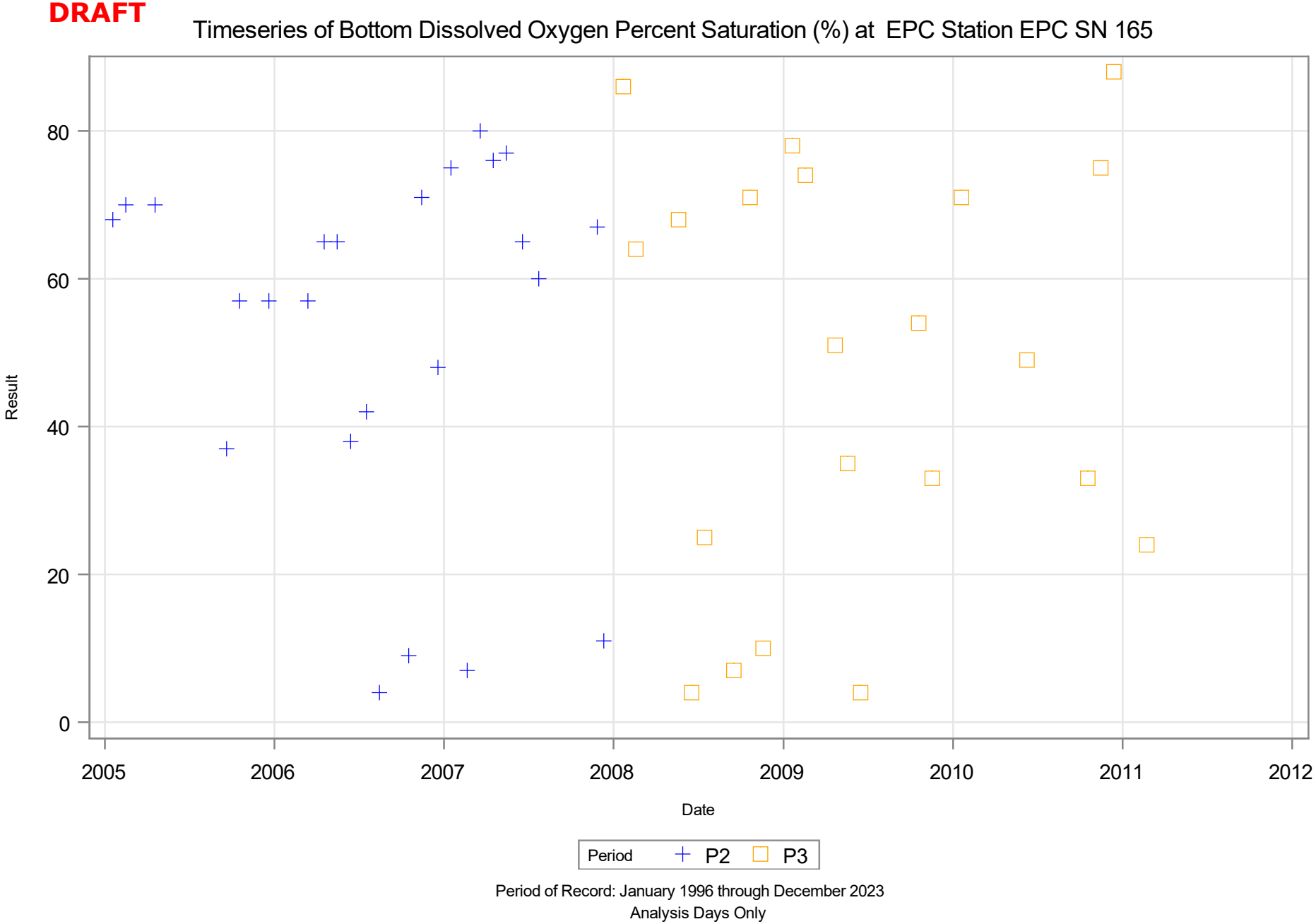
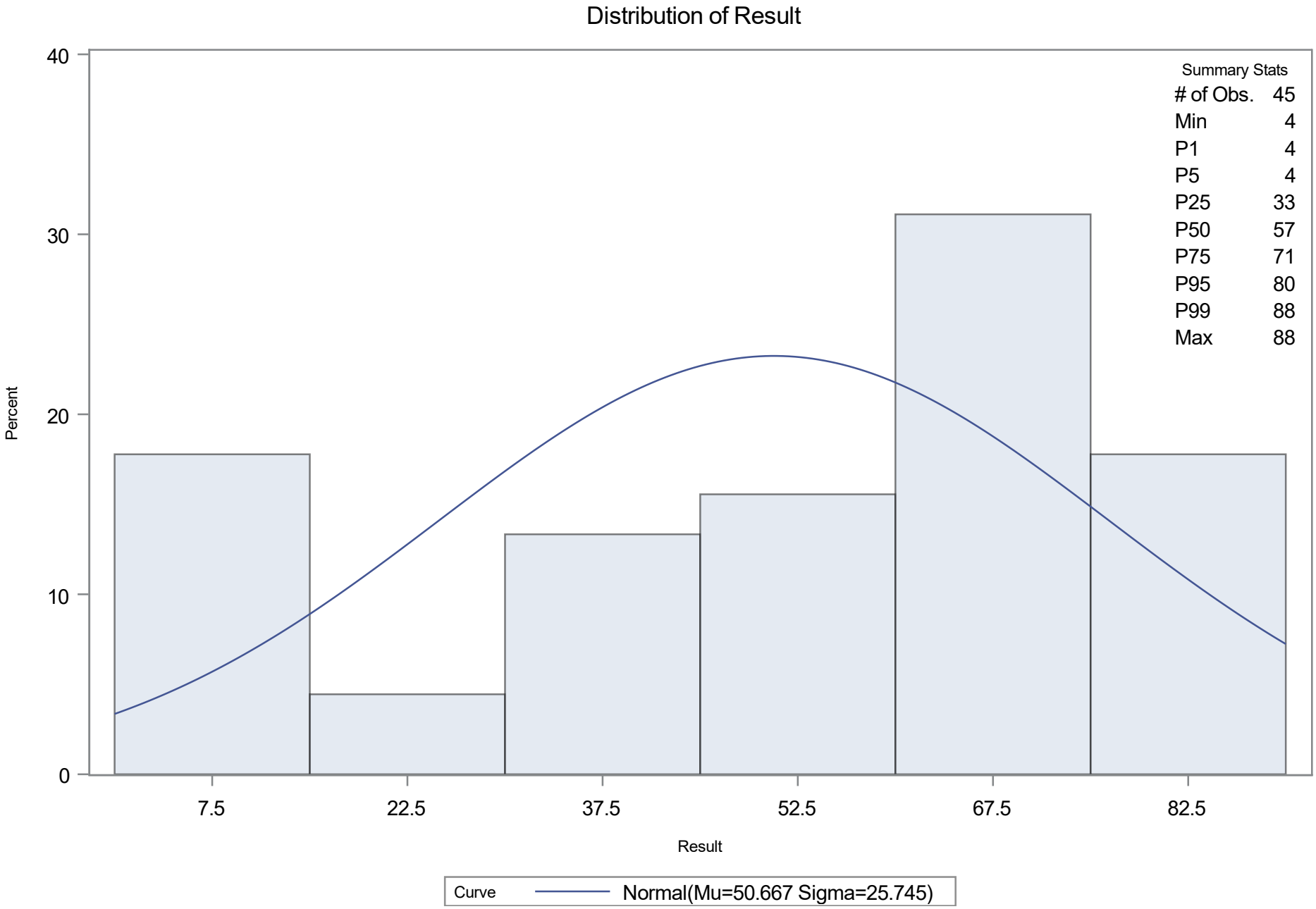

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 152
Result
100
80
60
40
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165
Result
0
20
40
60
80
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	50.66667
Std Dev	Sigma	25.74526

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16440082	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25773364	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.62567722	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.00000	-9.22575
5.0	4.00000	8.31949
10.0	7.00000	17.67279
25.0	33.00000	33.30176
50.0	57.00000	50.66667
75.0	71.00000	68.03158
90.0	77.00000	83.66054
95.0	80.00000	93.01384
99.0	88.00000	110.55909

Period of Record: January 1996 through December 2023
Analysis Days Only

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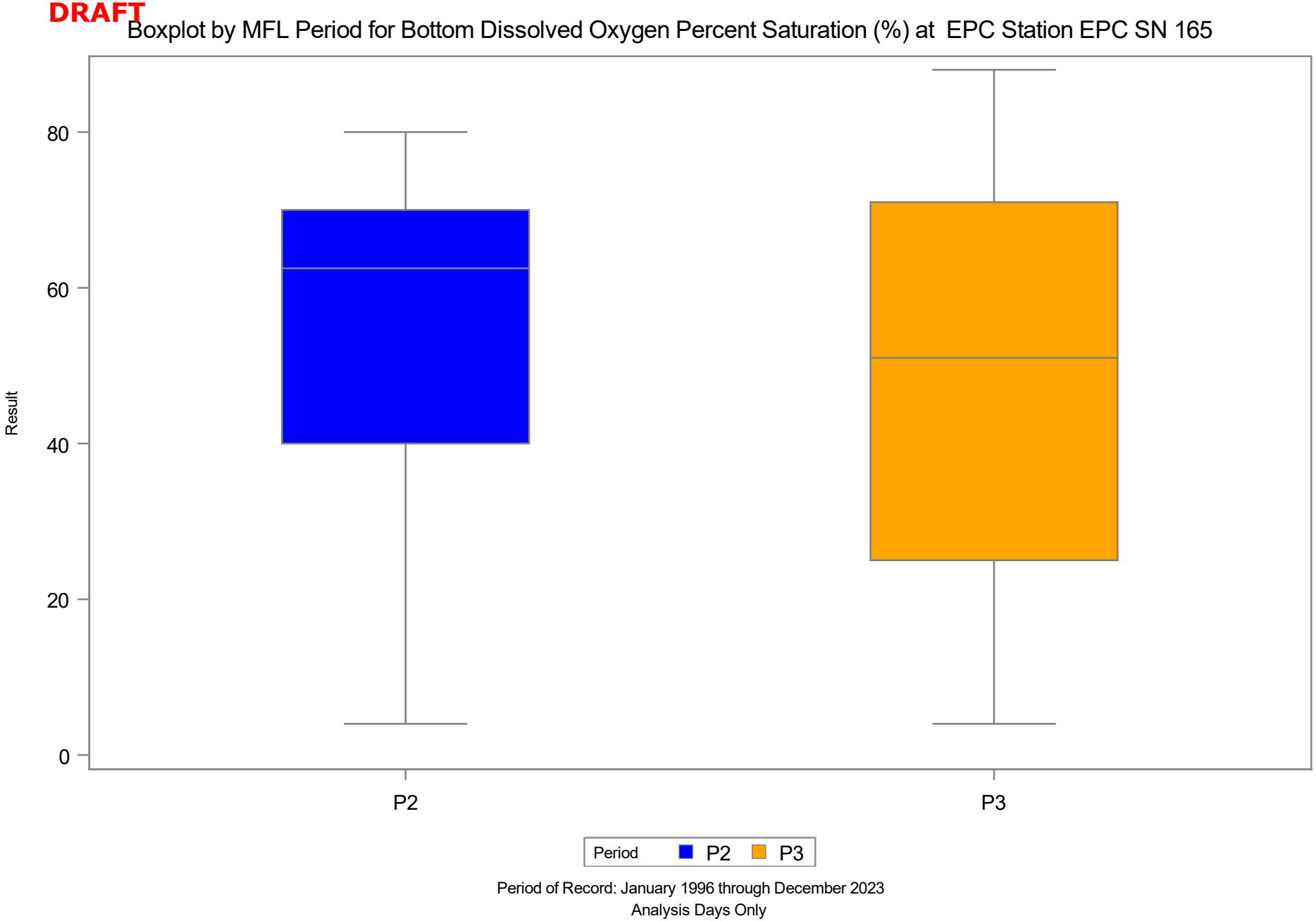
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165

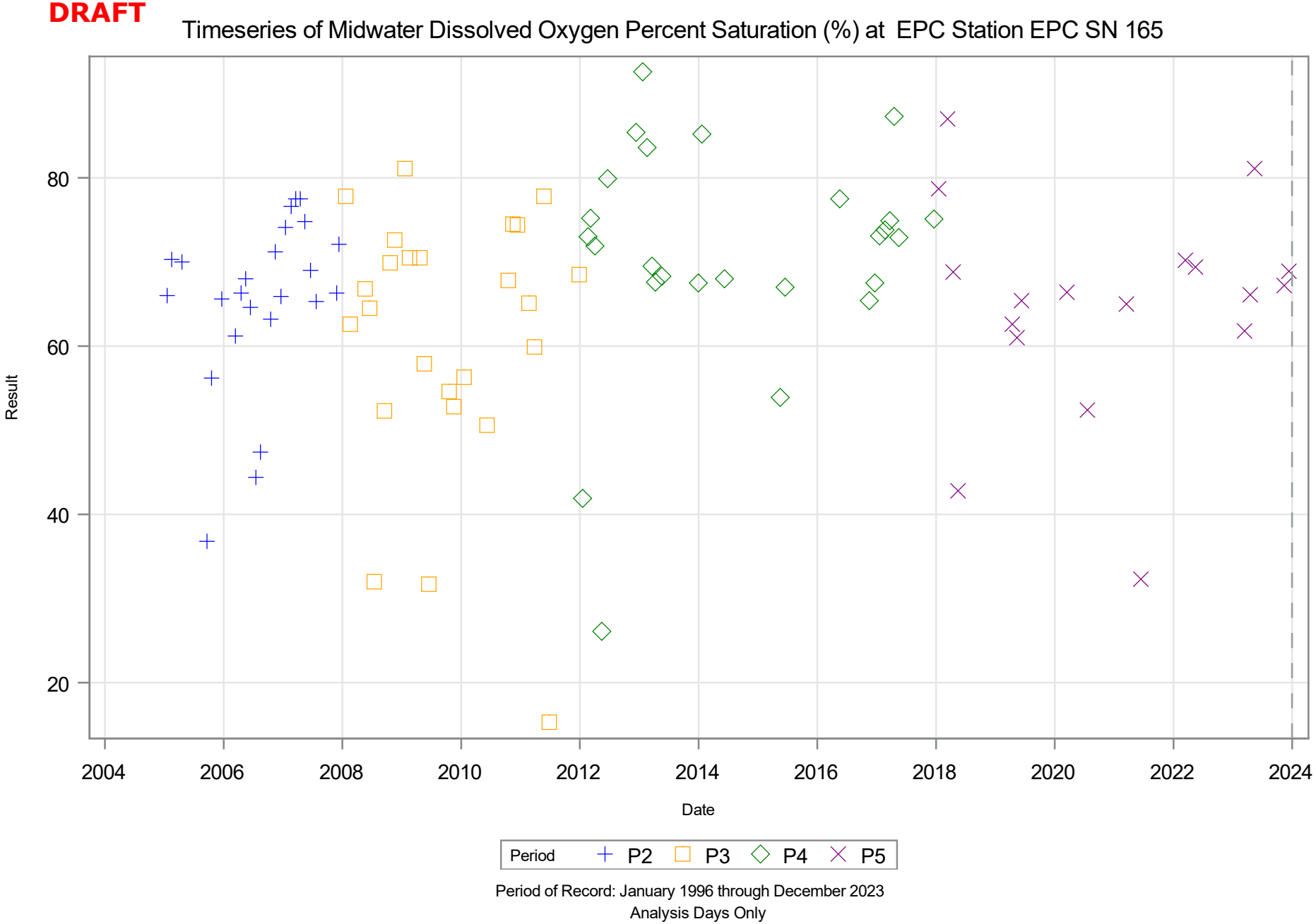
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	24	4.00	40.00	53.17	62.50	70.00	80.00
P3	21	4.00	25.00	47.81	51.00	71.00	88.00

Period of Record: January 1996 through December 2023
Analysis Days Only

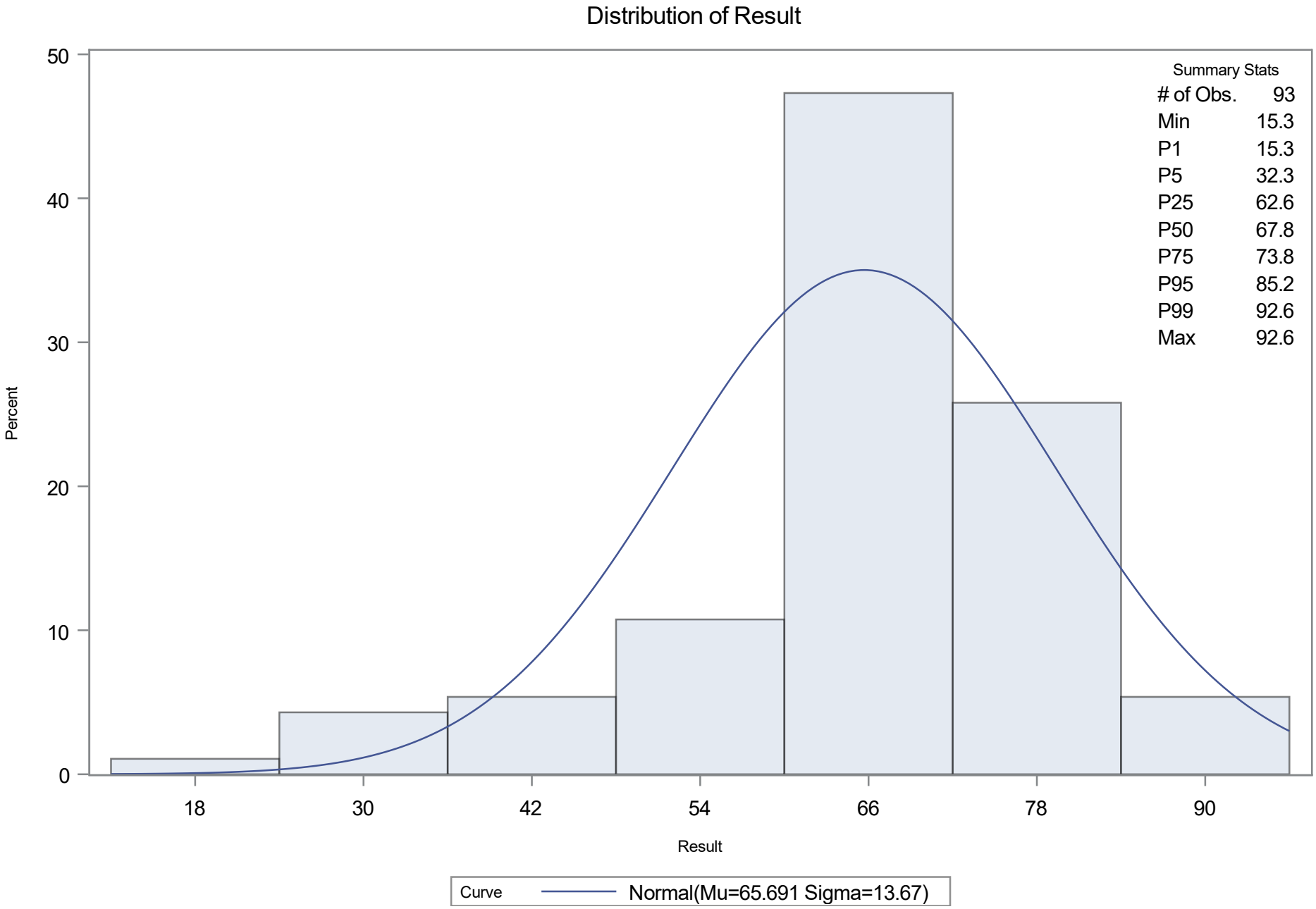
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165
Result
80
60
40
20
0
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165
Result
80
60
40
20
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	65.6914
Std Dev	Sigma	13.66992

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18570437	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.58581028	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.14240548	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.3000	33.8904
5.0	32.3000	43.2064
10.0	47.4000	48.1727
25.0	62.6000	56.4712
50.0	67.8000	65.6914
75.0	73.8000	74.9116
90.0	78.7000	83.2101
95.0	85.2000	88.1764
99.0	92.6000	97.4924

Period of Record: January 1996 through December 2023
Analysis Days Only

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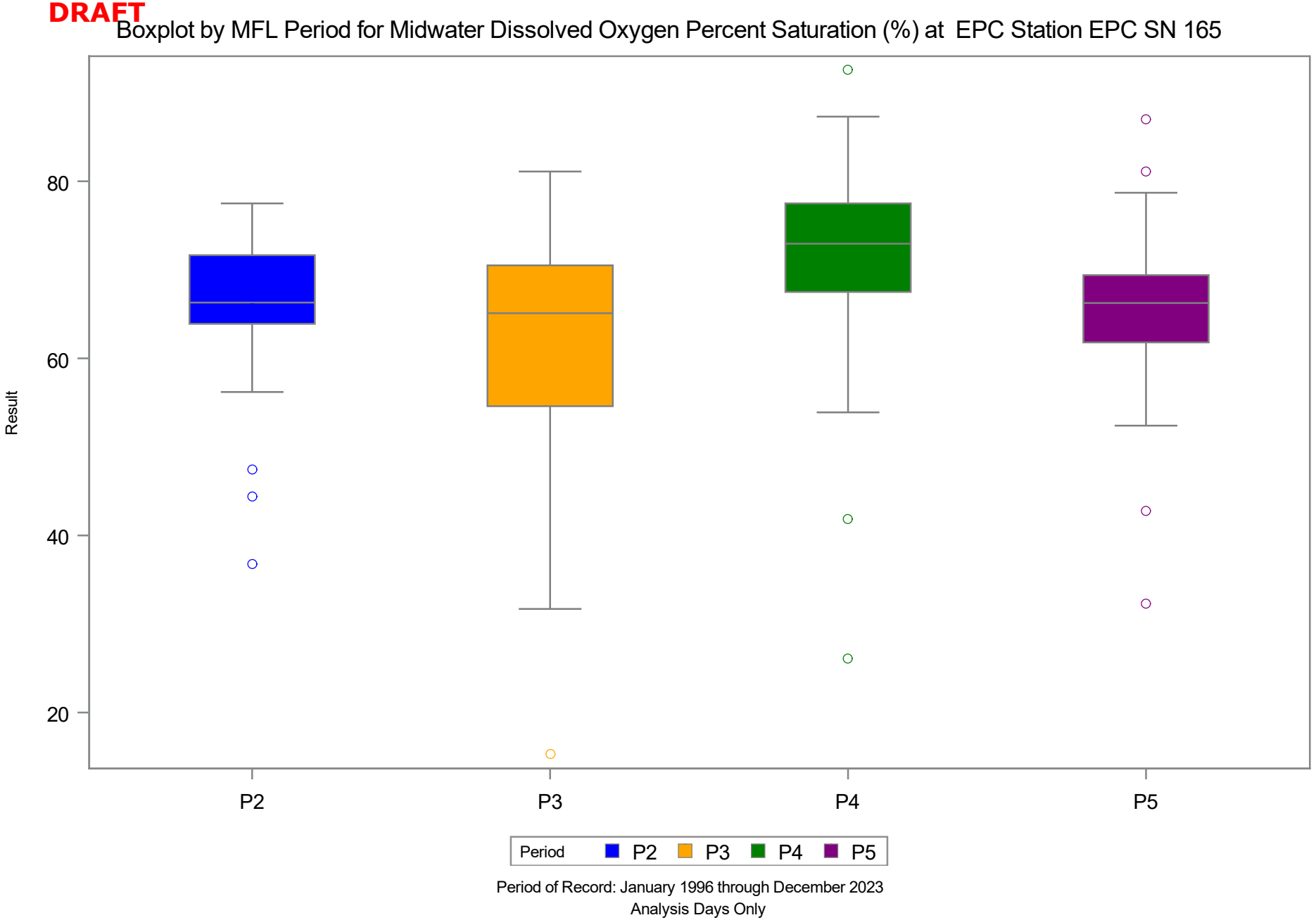
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165

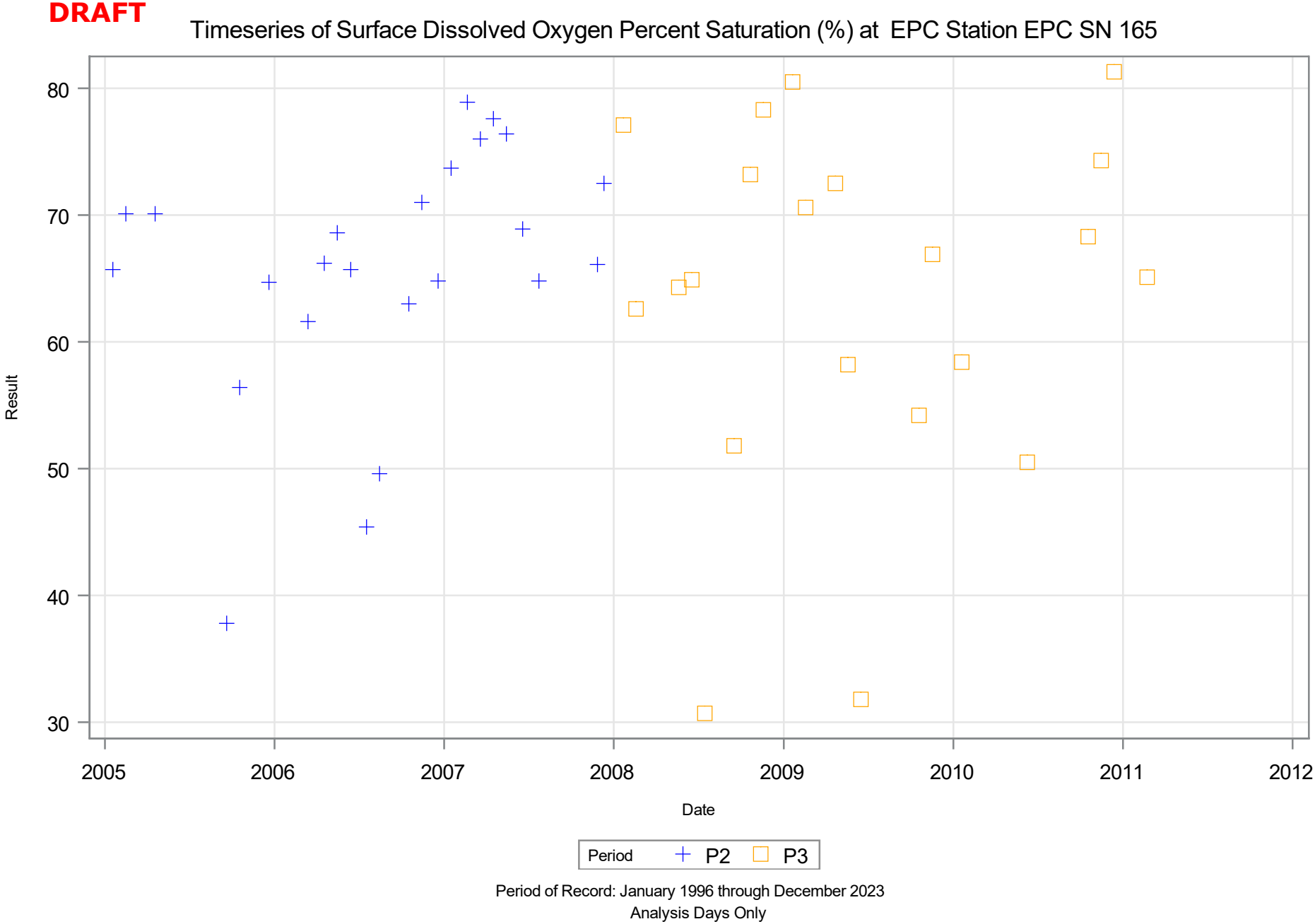
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	24	36.80	63.90	65.43	66.30	71.65	77.50
P3	25	15.30	54.60	61.11	65.10	70.50	81.10
P4	26	26.10	67.50	70.93	72.95	77.50	92.60
P5	18	32.30	61.80	64.84	66.25	69.40	87.00

Period of Record: January 1996 through December 2023
Analysis Days Only

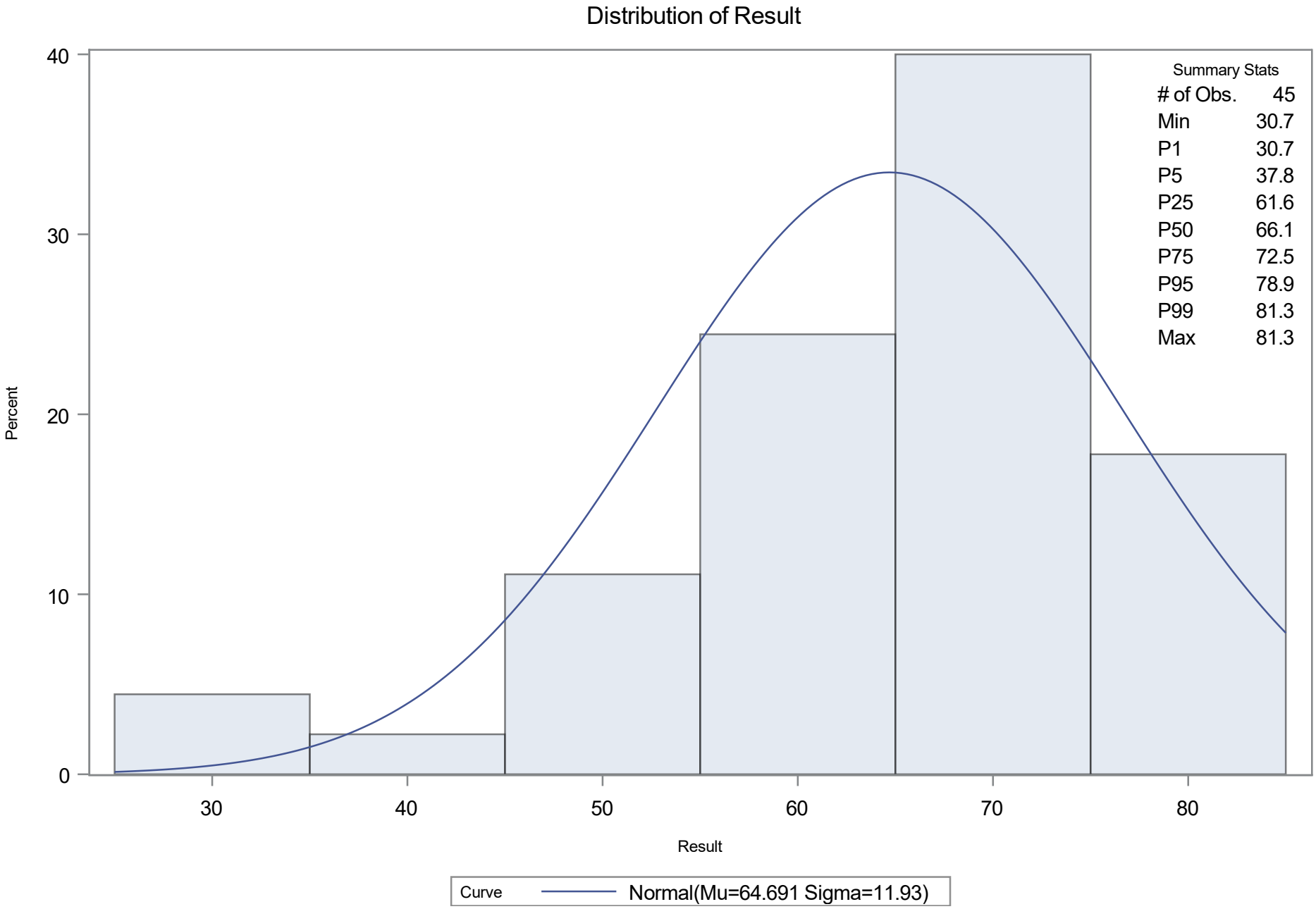
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165
Result
80
60
40
20
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165
Result
80
70
60
50
40
30
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	64.69111
Std Dev	Sigma	11.92996

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17581233	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22195004	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.33284466	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	30.7000	36.9379
5.0	37.8000	45.0681
10.0	49.6000	49.4022
25.0	61.6000	56.6445
50.0	66.1000	64.6911
75.0	72.5000	72.7377
90.0	77.6000	79.9800
95.0	78.9000	84.3142
99.0	81.3000	92.4444

Period of Record: January 1996 through December 2023
Analysis Days Only

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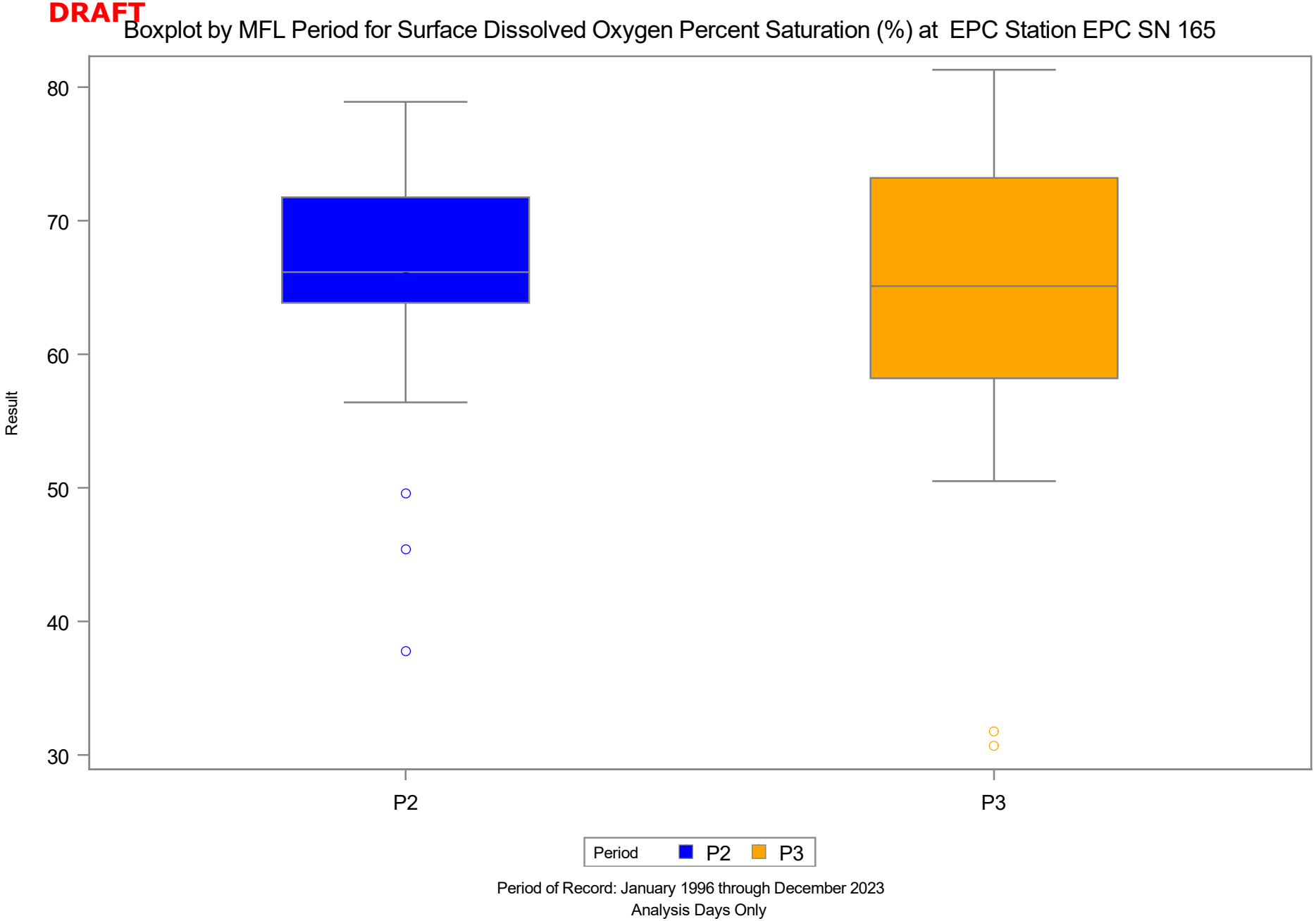
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165

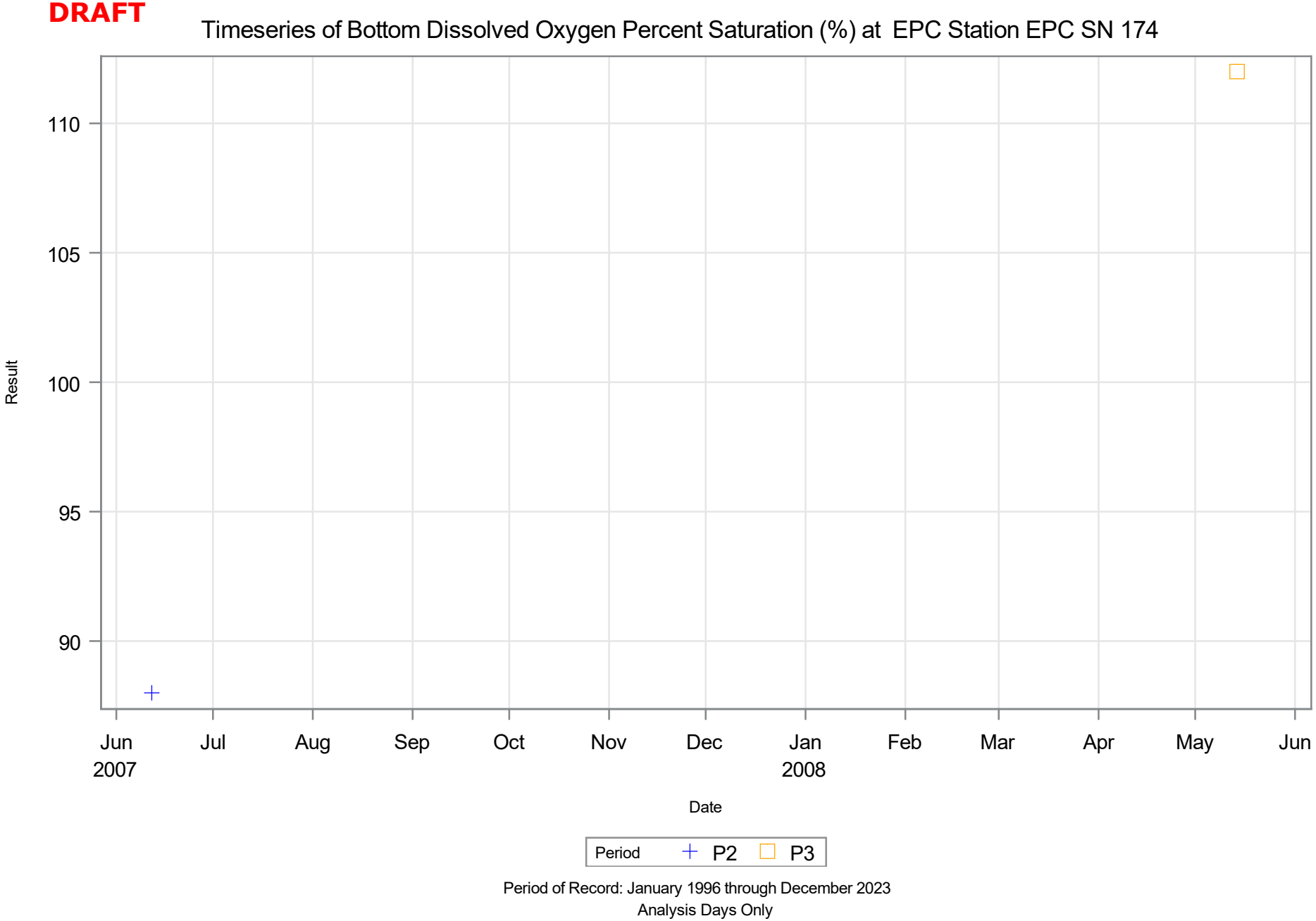
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	24	37.80	63.85	65.65	66.15	71.75	78.90
P3	21	30.70	58.20	63.60	65.10	73.20	81.30

Period of Record: January 1996 through December 2023
Analysis Days Only

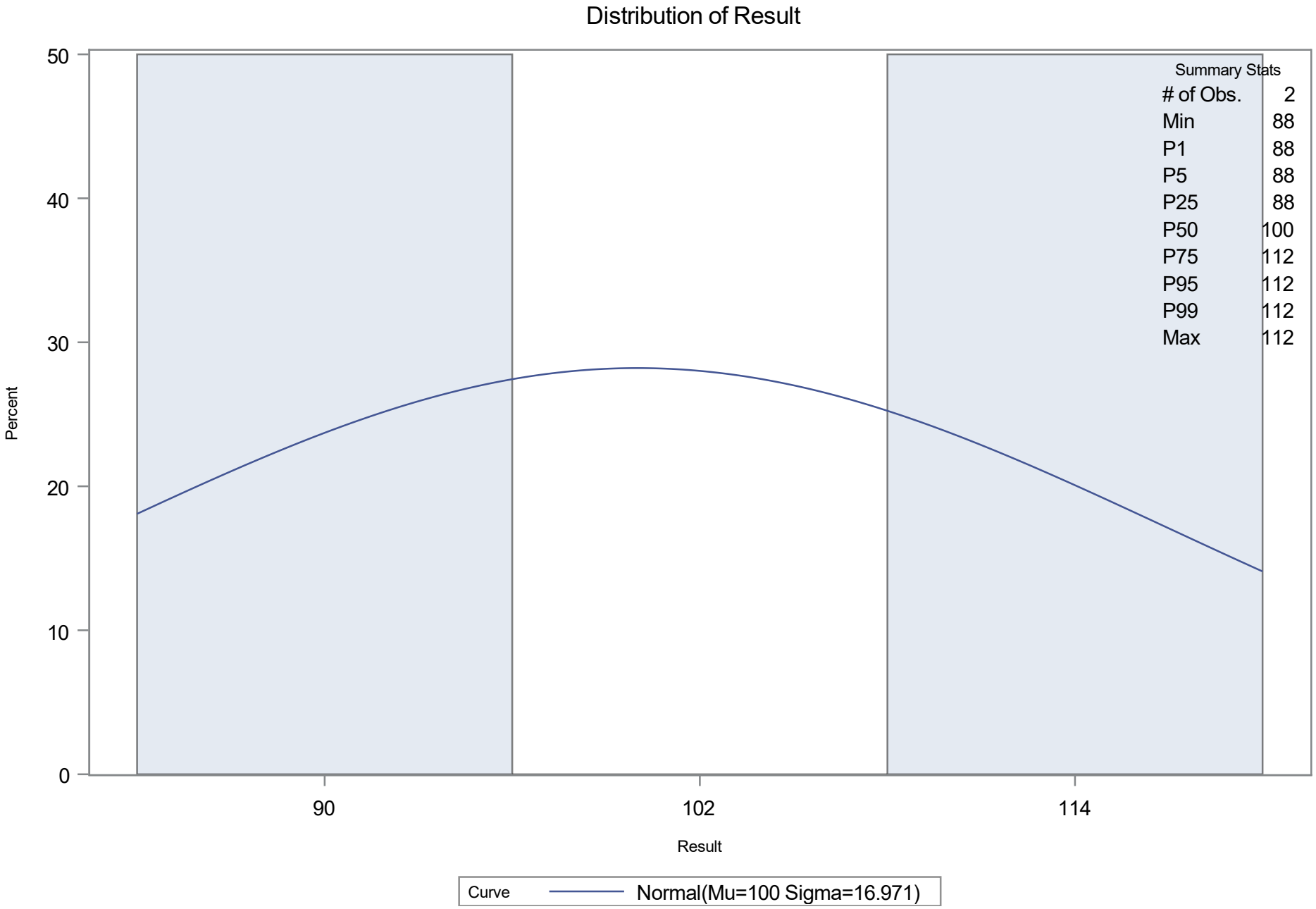
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 165
Result
80
70
60
50
40
30
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174
Result
110
105
100
95
90
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	100
Std Dev	Sigma	16.97056

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	88.0000	60.5206
5.0	88.0000	72.0859
10.0	88.0000	78.2513
25.0	88.0000	88.5535
50.0	100.0000	100.0000
75.0	112.0000	111.4465
90.0	112.0000	121.7487
95.0	112.0000	127.9141
99.0	112.0000	139.4794

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	88.00	88.00	88.00	88.00	88.00	88.00
P3	1	112.00	112.00	112.00	112.00	112.00	112.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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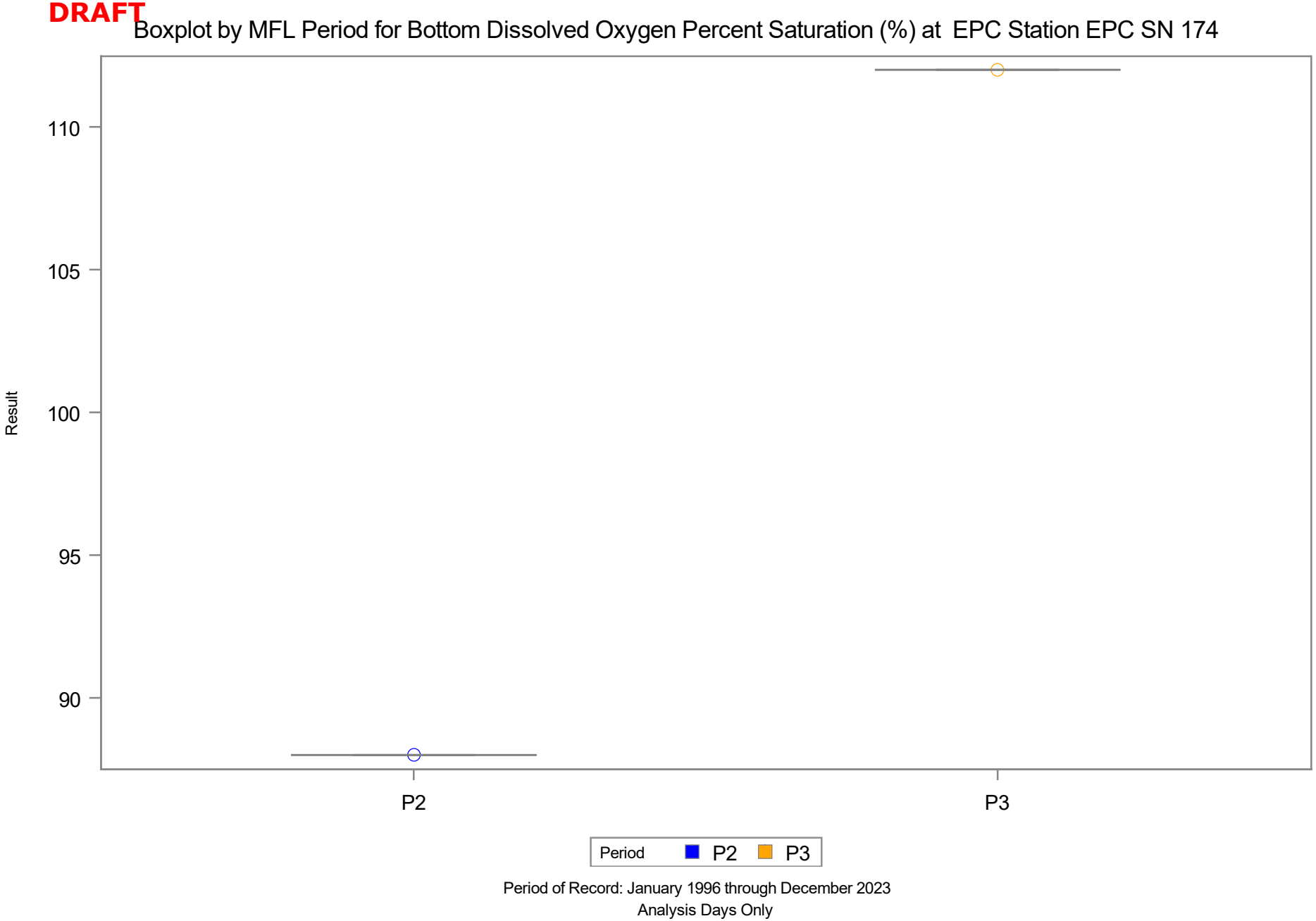
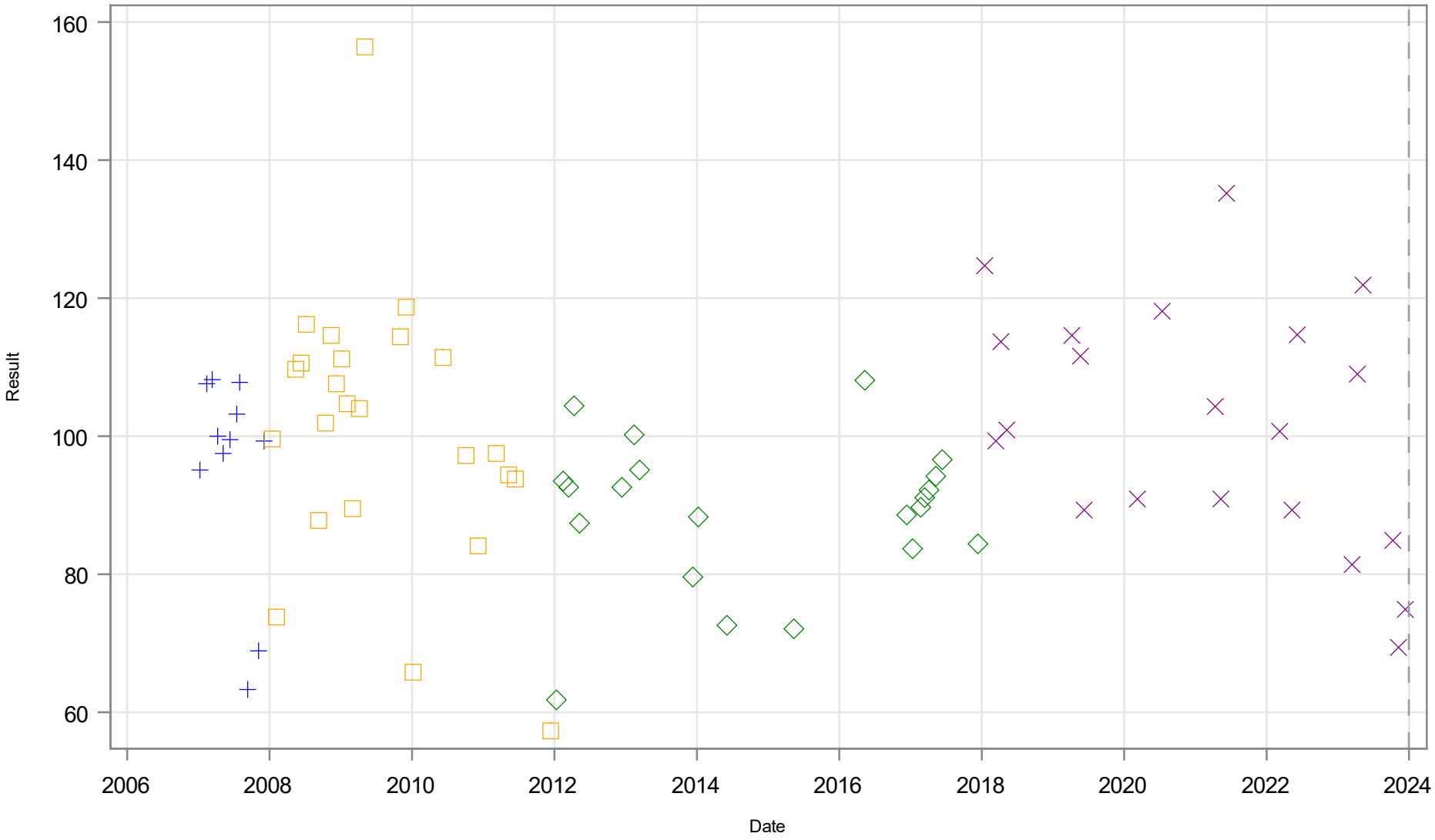

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174
Result
110
105
100
95
90
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

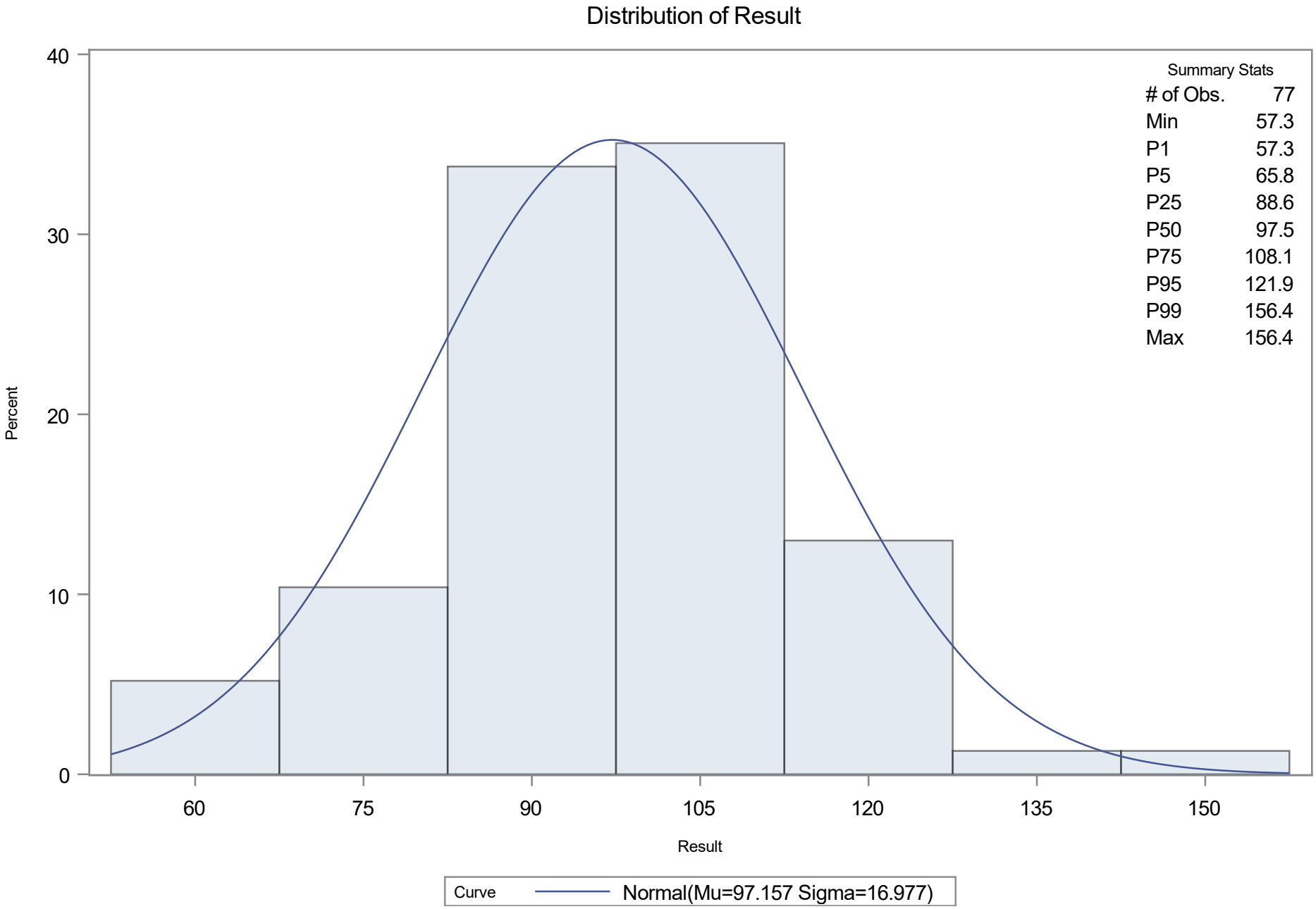
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	97.15714
Std Dev	Sigma	16.97698

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07494545	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05964118	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44938229	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	57.3000	57.6628
5.0	65.8000	69.2325
10.0	72.6000	75.4003
25.0	88.6000	85.7063
50.0	97.5000	97.1571
75.0	108.1000	108.6079
90.0	114.7000	118.9140
95.0	121.9000	125.0818
99.0	156.4000	136.6515

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	63.30	95.10	95.49	99.50	107.60	108.20
P3	24	57.30	91.65	100.93	102.95	111.30	156.40
P4	21	61.80	84.40	88.99	91.10	94.20	108.10
P5	21	69.40	89.30	101.89	100.90	114.60	135.20

Period of Record: January 1996 through December 2023
Analysis Days Only

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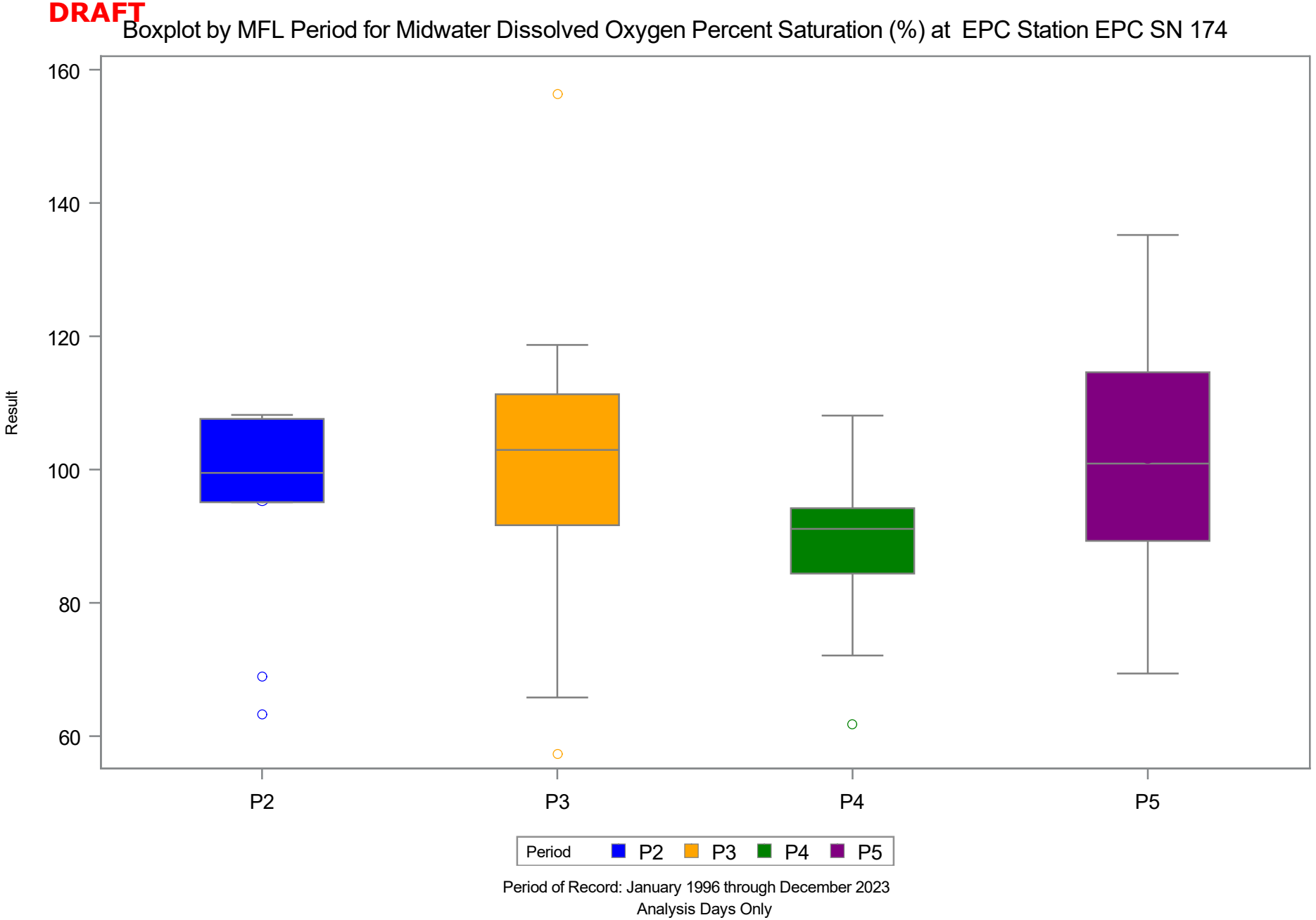
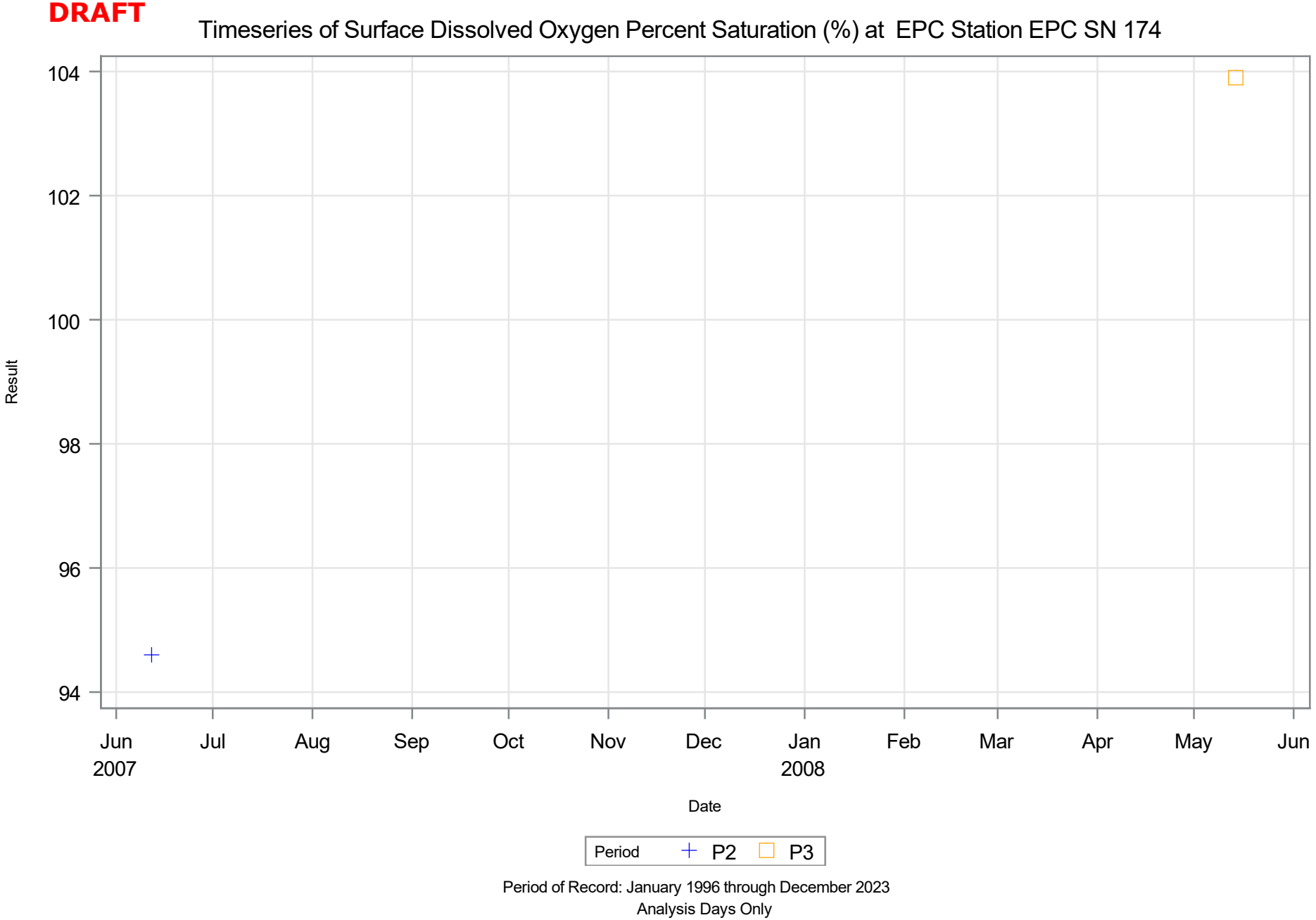
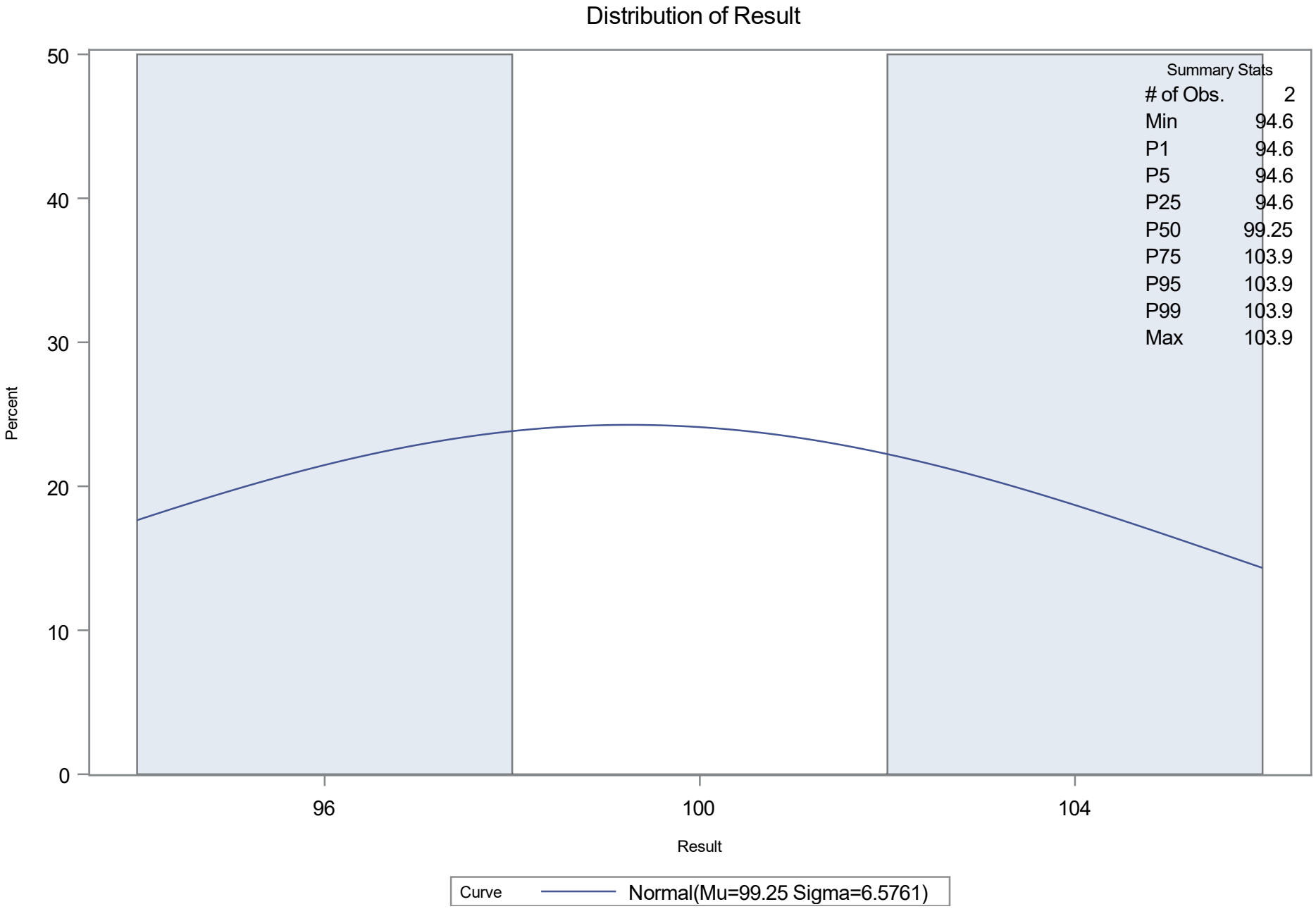

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174
160
140
120
100
80
60
Result
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174
104
102
100
98
96
94
Result
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	99.25
Std Dev	Sigma	6.576093

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	94.6000	83.9517
5.0	94.6000	88.4333
10.0	94.6000	90.8224
25.0	94.6000	94.8145
50.0	99.2500	99.2500
75.0	103.9000	103.6855
90.0	103.9000	107.6776
95.0	103.9000	110.0667
99.0	103.9000	114.5483

Period of Record: January 1996 through December 2023
Analysis Days Only

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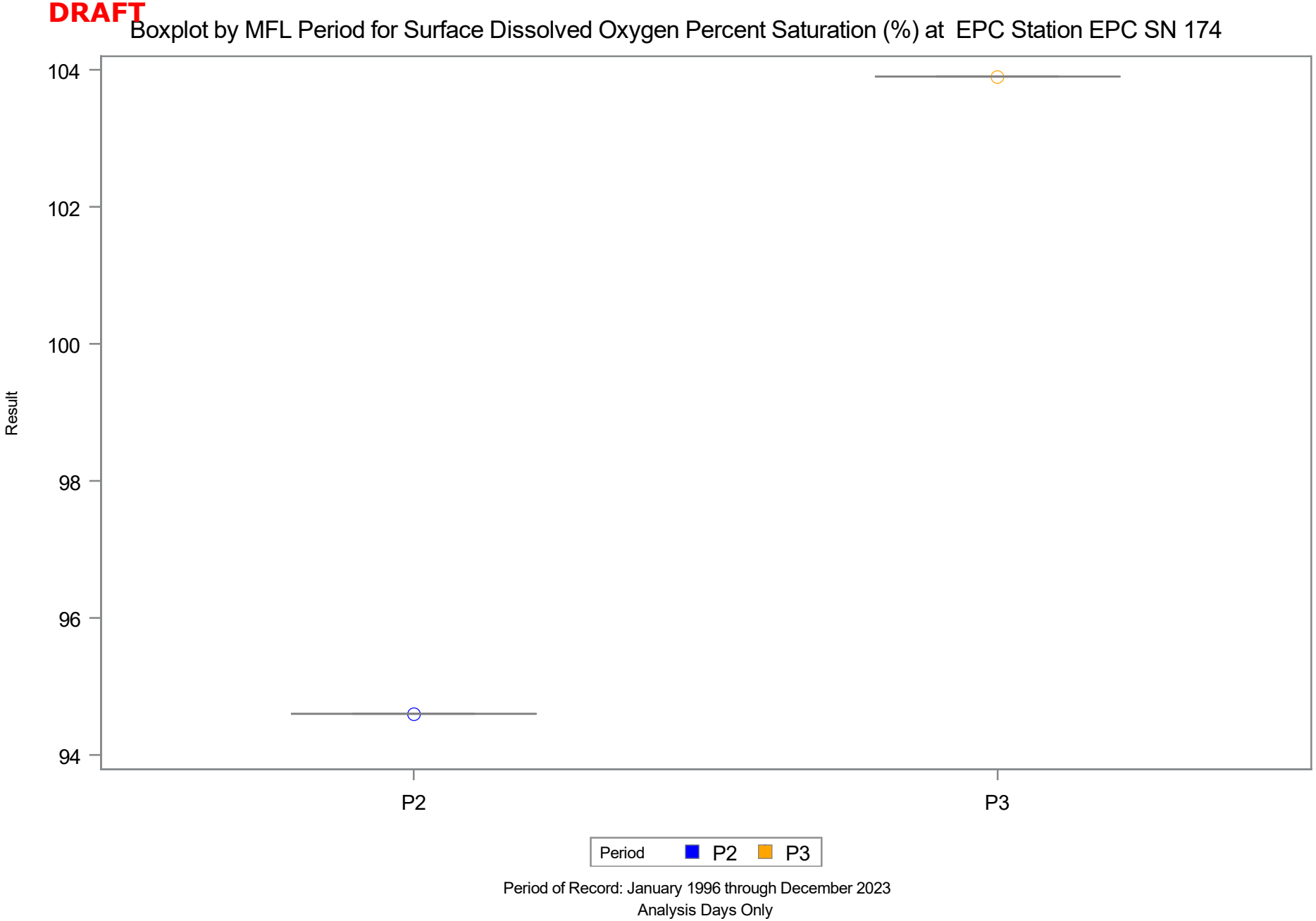
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	94.60	94.60	94.60	94.60	94.60	94.60
P3	1	103.90	103.90	103.90	103.90	103.90	103.90

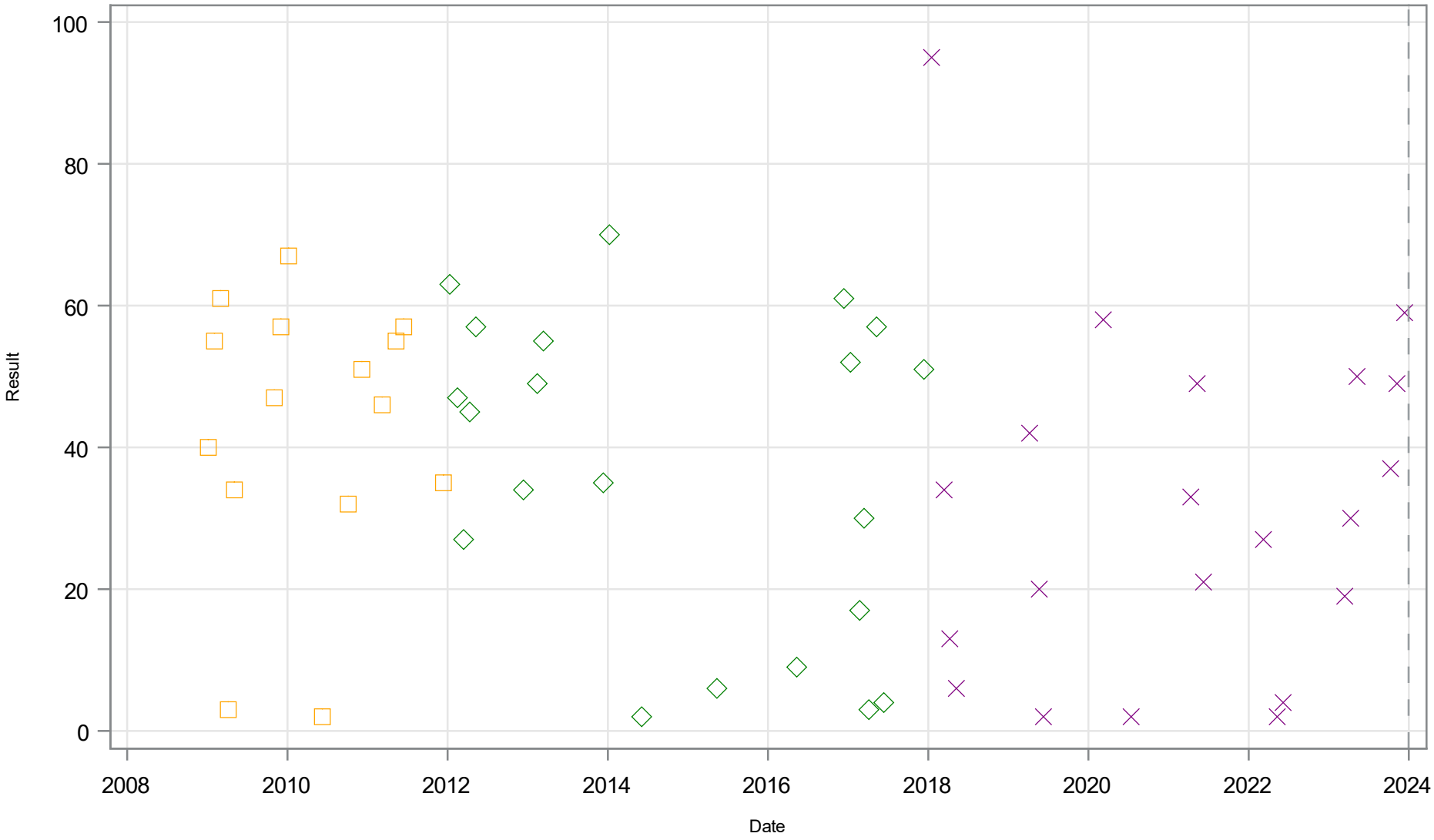
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 174
104
102
100
98
96
94
Result
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

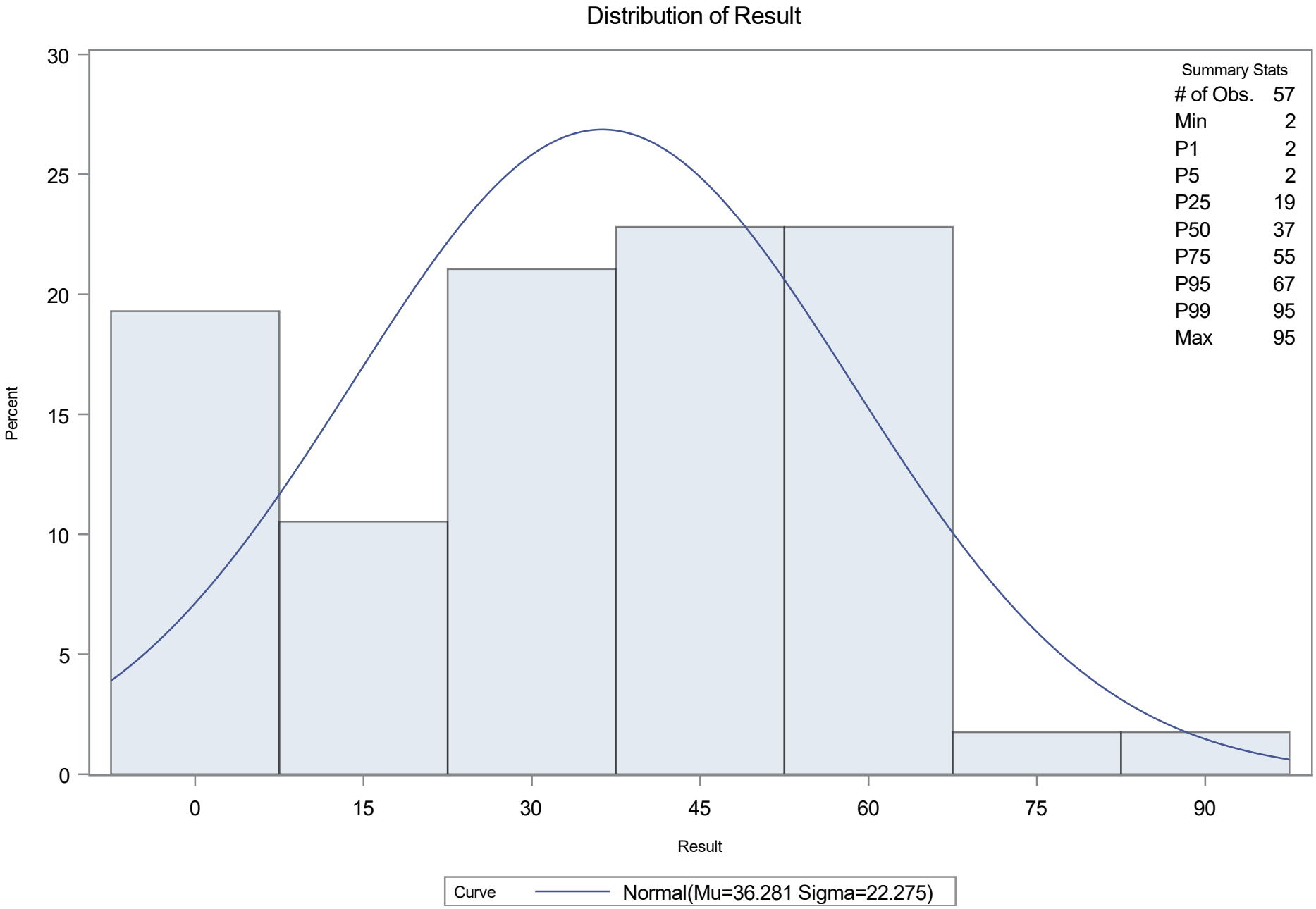
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	36.2807
Std Dev	Sigma	22.27487

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10840472	**Pr > D**	0.093
Cramer-von Mises	**W-Sq**	0.15342687	**Pr > W-Sq**	0.022
Anderson-Darling	**A-Sq**	1.13150788	**Pr > A-Sq**	0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-15.53839
5.0	2.00000	-0.35820
10.0	3.00000	7.73431
25.0	19.00000	21.25653
50.0	37.00000	36.28070
75.0	55.00000	51.30487
90.0	61.00000	64.82710
95.0	67.00000	72.91960
99.0	95.00000	88.09980

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	2.00	34.00	42.80	47.00	57.00	67.00
P4	21	2.00	17.00	36.86	45.00	55.00	70.00
P5	21	2.00	13.00	31.05	30.00	49.00	95.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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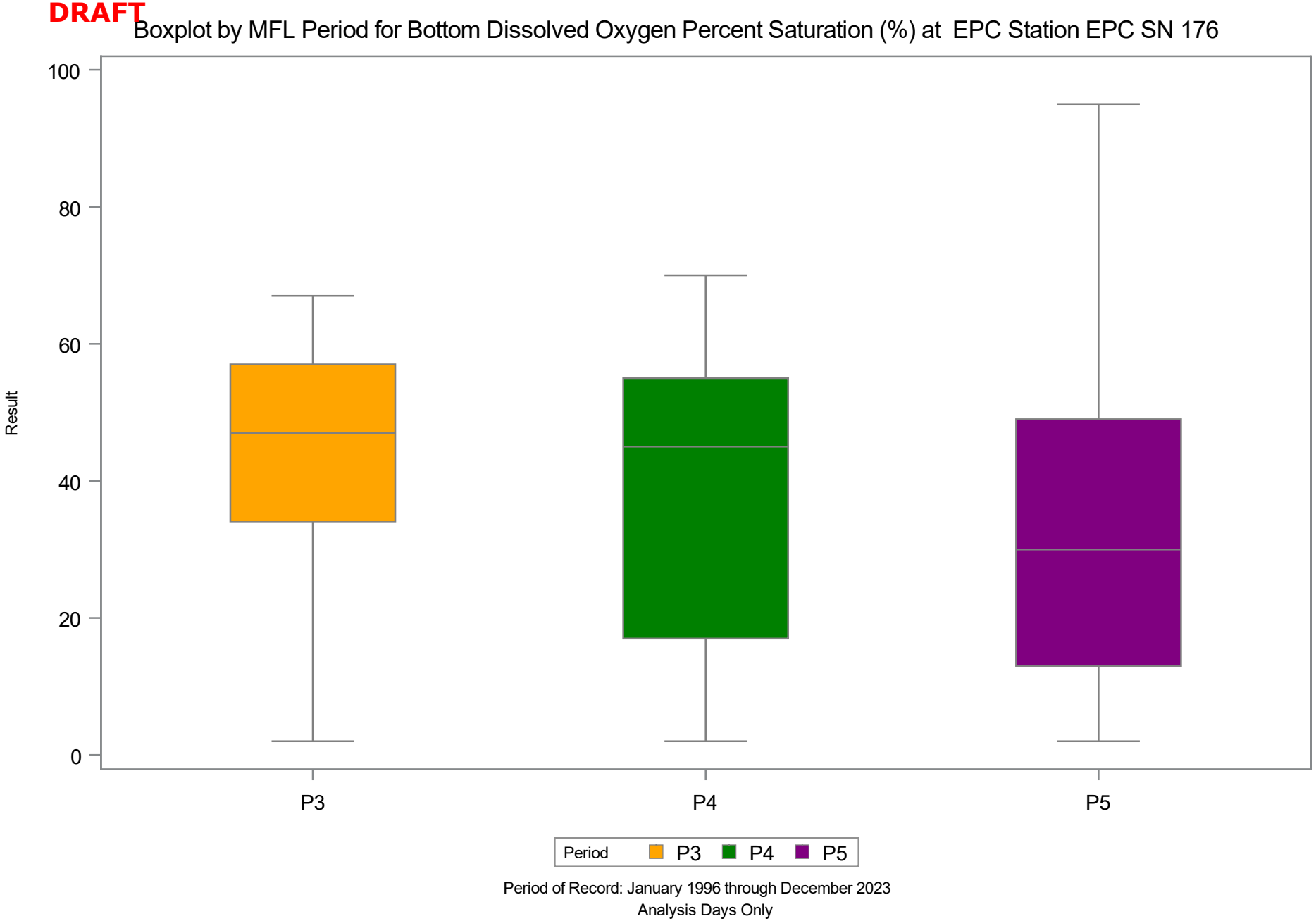
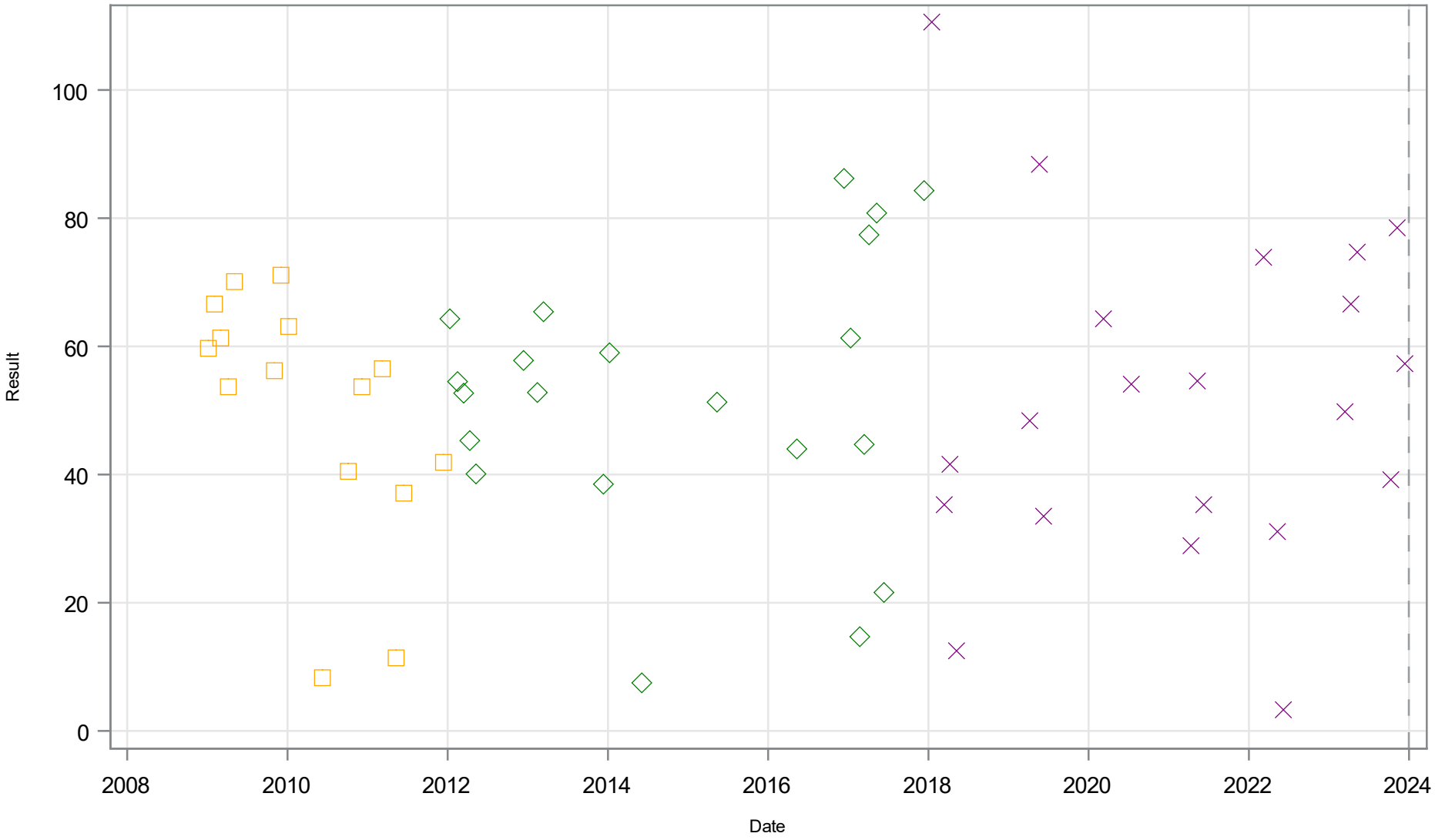

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

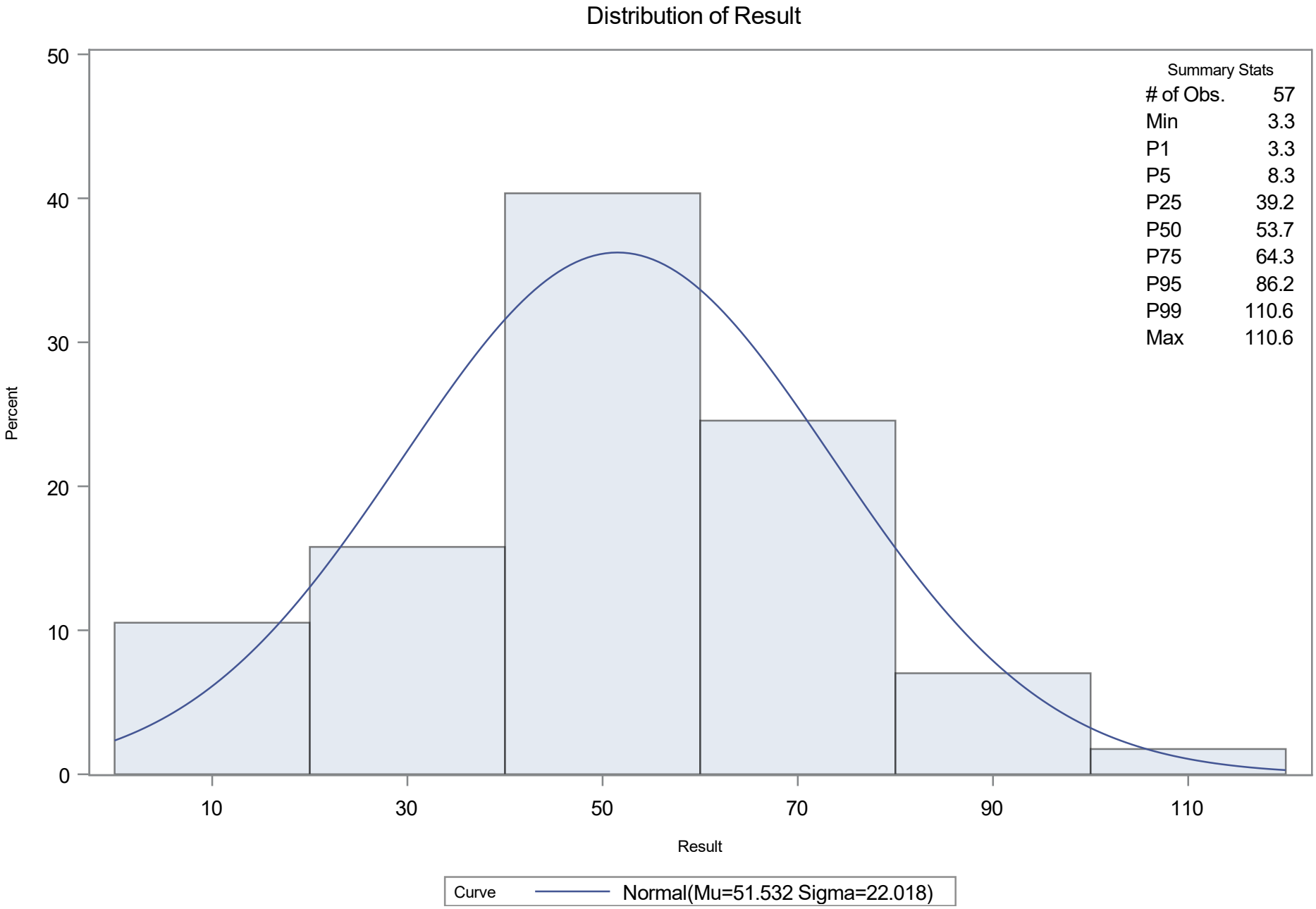
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	51.53158
Std Dev	Sigma	22.01831

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08256380	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05206892	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36742098	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.30000	0.30932
5.0	8.30000	15.31468
10.0	14.70000	23.31397
25.0	39.20000	36.68045
50.0	53.70000	51.53158
75.0	64.30000	66.38271
90.0	78.50000	79.74918
95.0	86.20000	87.74848
99.0	110.60000	102.75384

Period of Record: January 1996 through December 2023
Analysis Days Only

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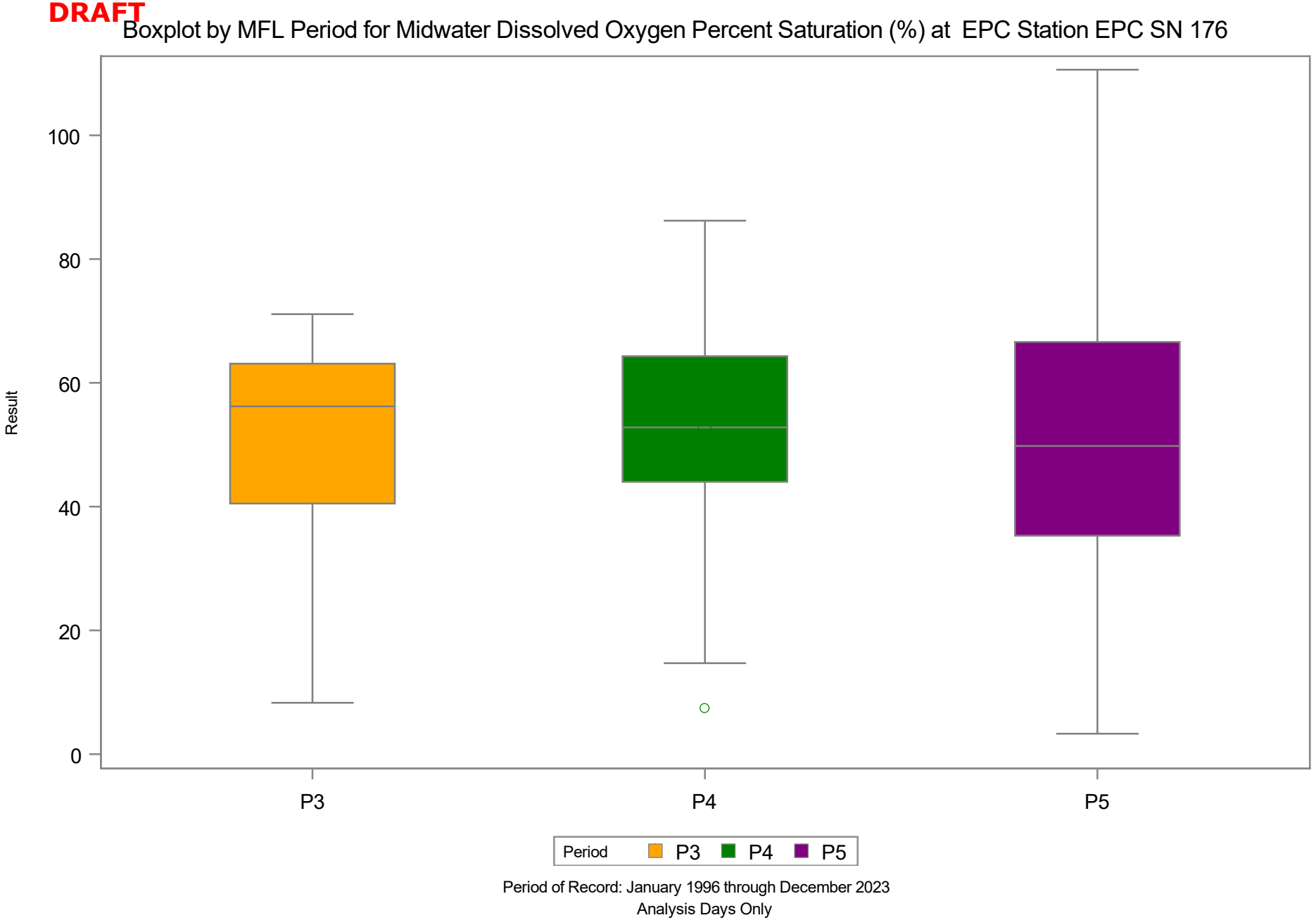
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	8.30	40.50	50.08	56.20	63.10	71.10
P4	21	7.50	44.00	52.58	52.80	64.30	86.20
P5	21	3.30	35.30	51.52	49.80	66.60	110.60

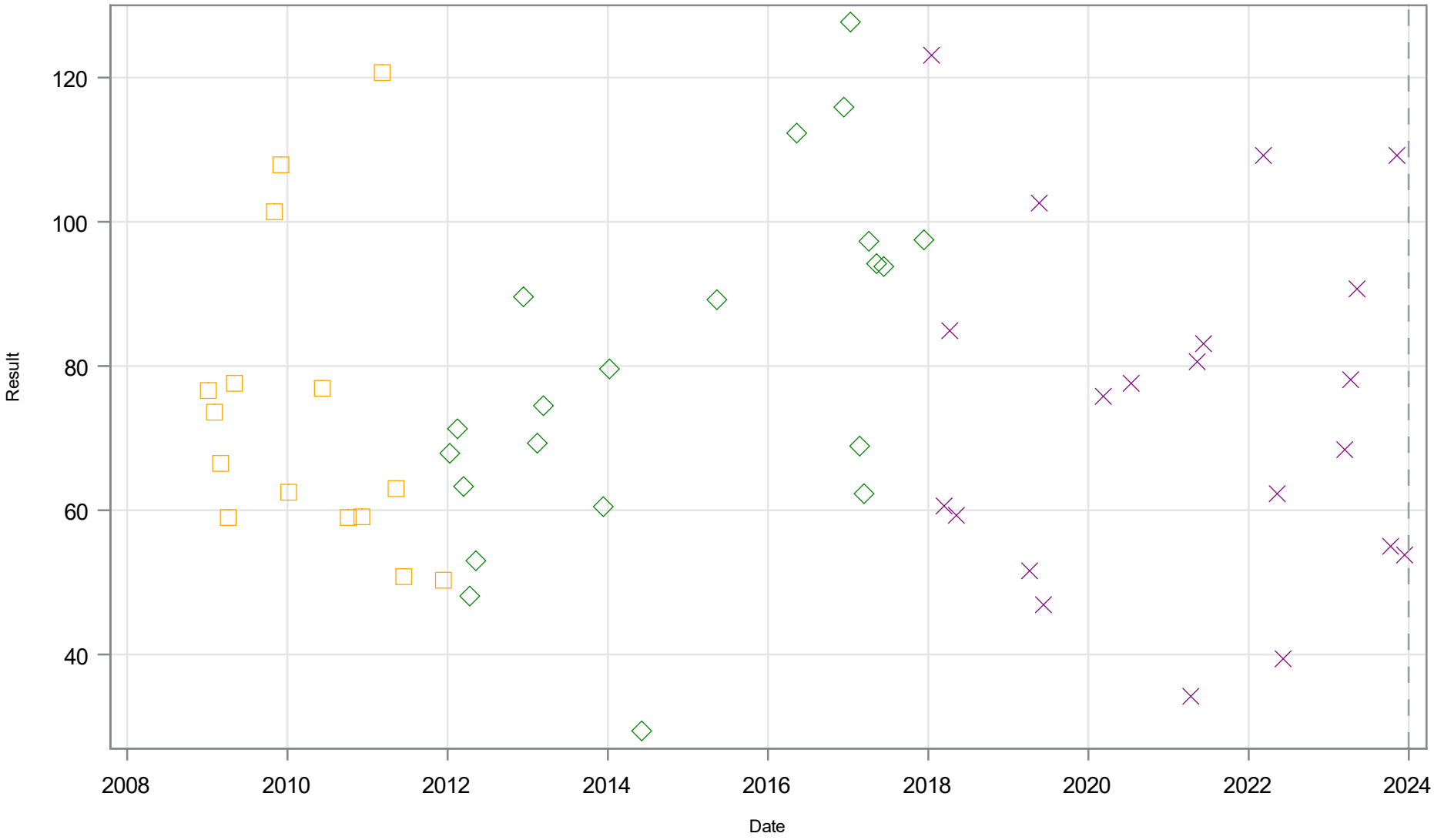
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176
Result
100
80
60
40
20
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

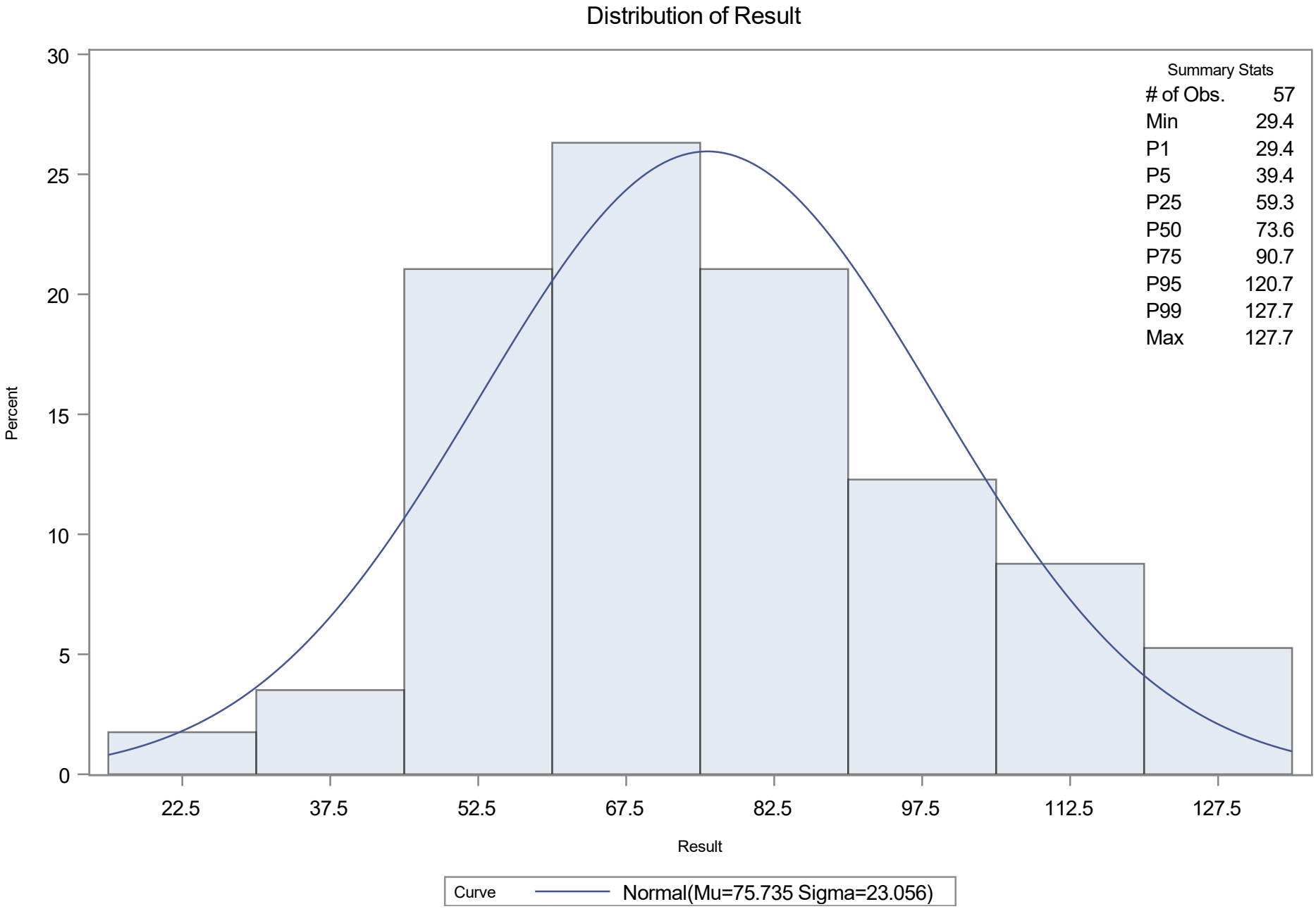
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.73509
Std Dev	Sigma	23.05577

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09114156	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09663716	**Pr > W-Sq**	0.125
Anderson-Darling	**A-Sq**	0.55369363	**Pr > A-Sq**	0.150

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	29.4000	22.0993
5.0	39.4000	37.8117
10.0	50.3000	46.1879
25.0	59.3000	60.1842
50.0	73.6000	75.7351
75.0	90.7000	91.2860
90.0	109.2000	105.2823
95.0	120.7000	113.6585
99.0	127.7000	129.3708

Period of Record: January 1996 through December 2023
Analysis Days Only

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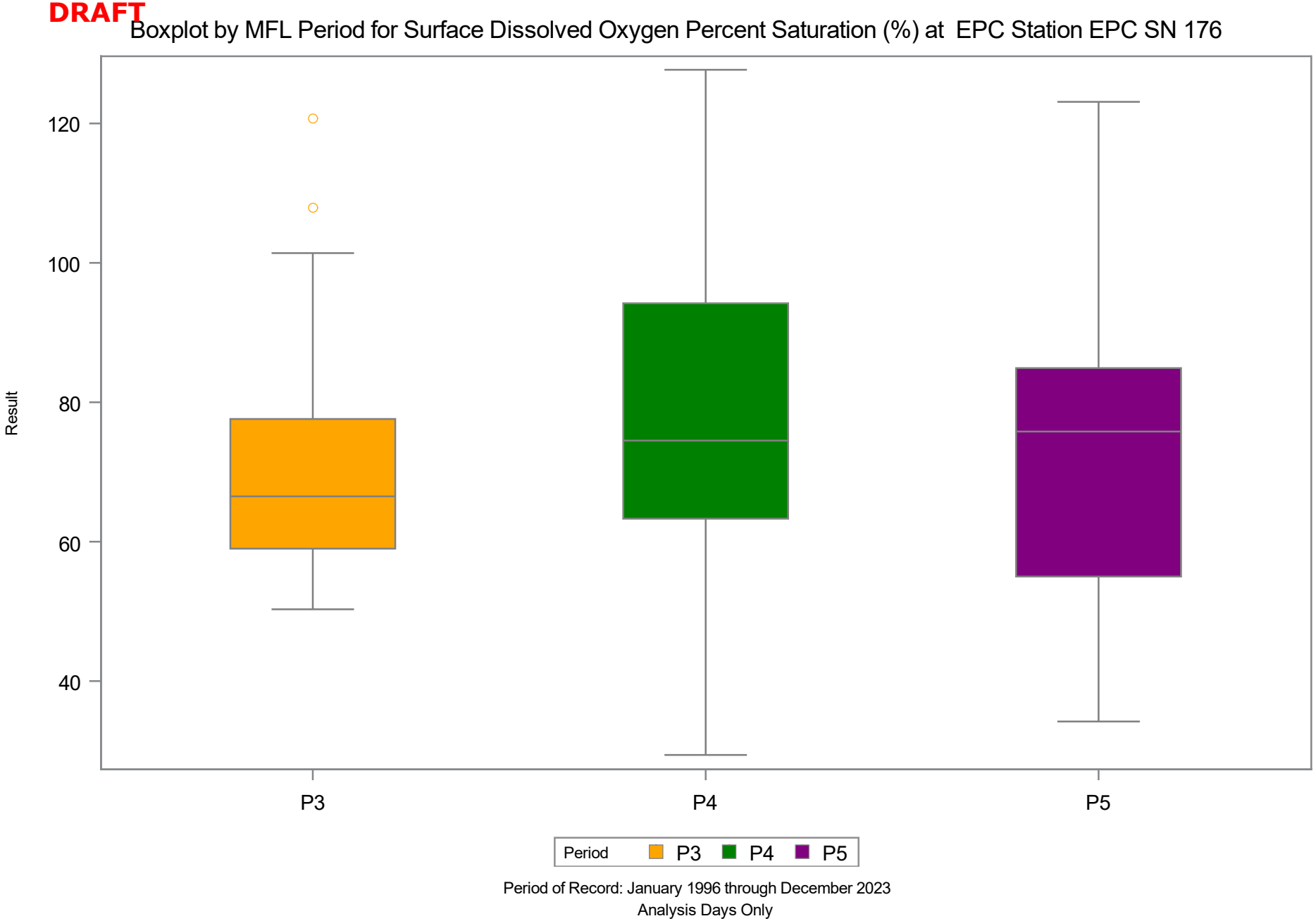
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176

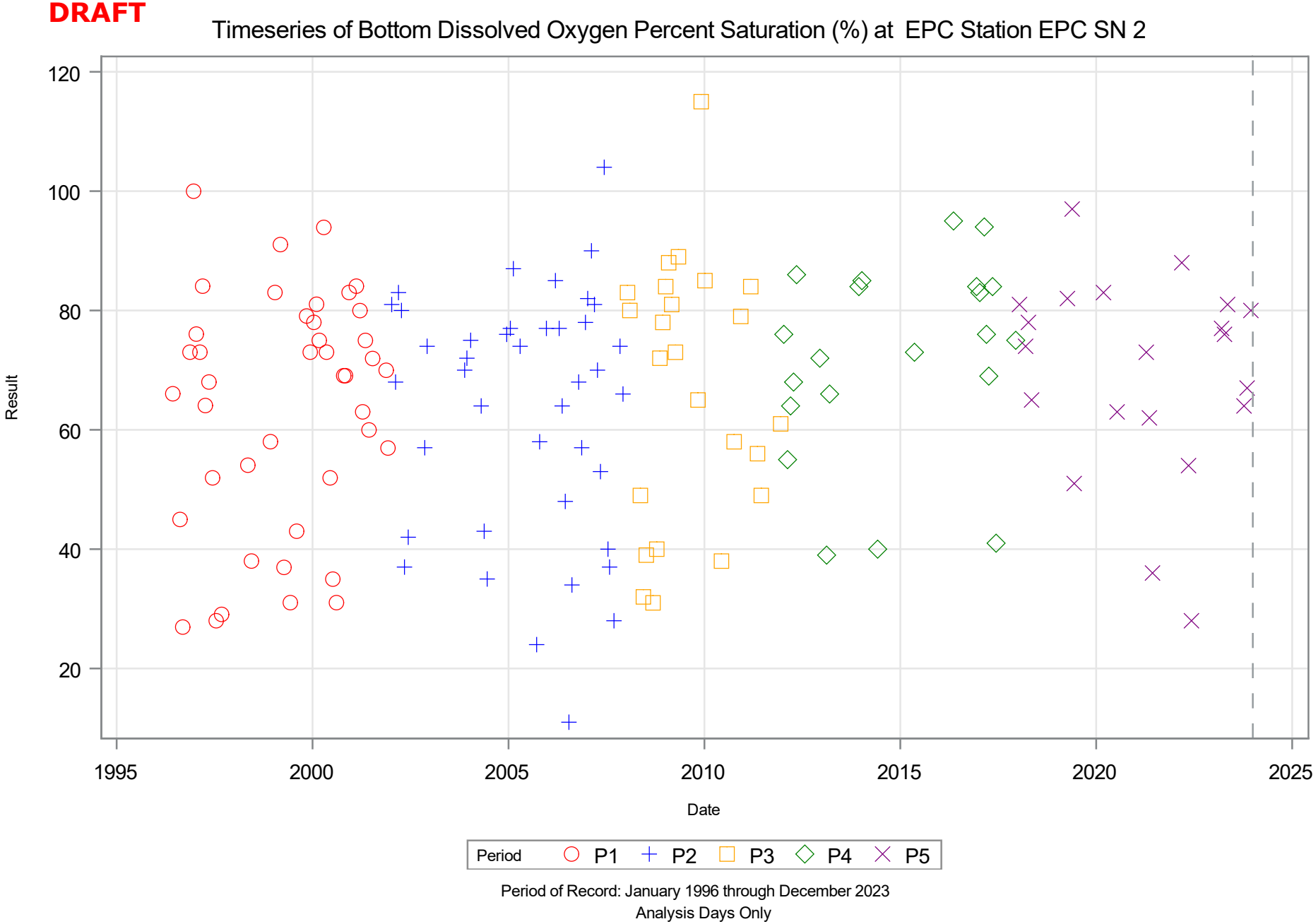
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	15	50.30	59.00	73.66	66.50	77.60	120.70
P4	21	29.40	63.30	79.31	74.50	94.20	127.70
P5	21	34.20	55.00	73.64	75.80	84.90	123.10

Period of Record: January 1996 through December 2023
Analysis Days Only

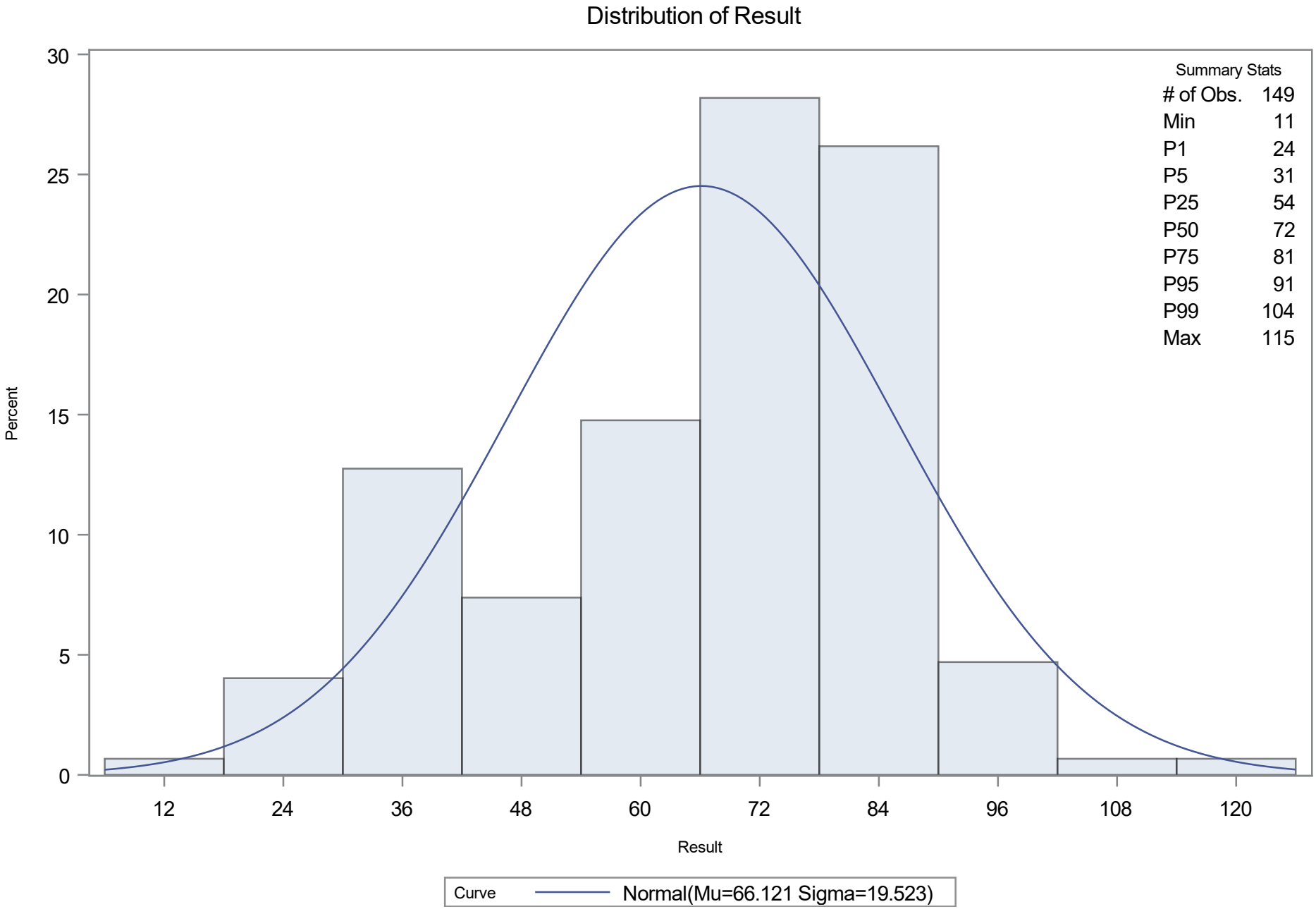
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 176
Result
120
100
80
60
40
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2
Result
120
100
80
60
40
20
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	66.12081
Std Dev	Sigma	19.523

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12841400	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.56347701	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.15879914	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	24.0000	20.7035
5.0	31.0000	34.0083
10.0	36.0000	41.1011
25.0	54.0000	52.9527
50.0	72.0000	66.1208
75.0	81.0000	79.2889
90.0	85.0000	91.1405
95.0	91.0000	98.2333
99.0	104.0000	111.5381

Period of Record: January 1996 through December 2023
Analysis Days Only

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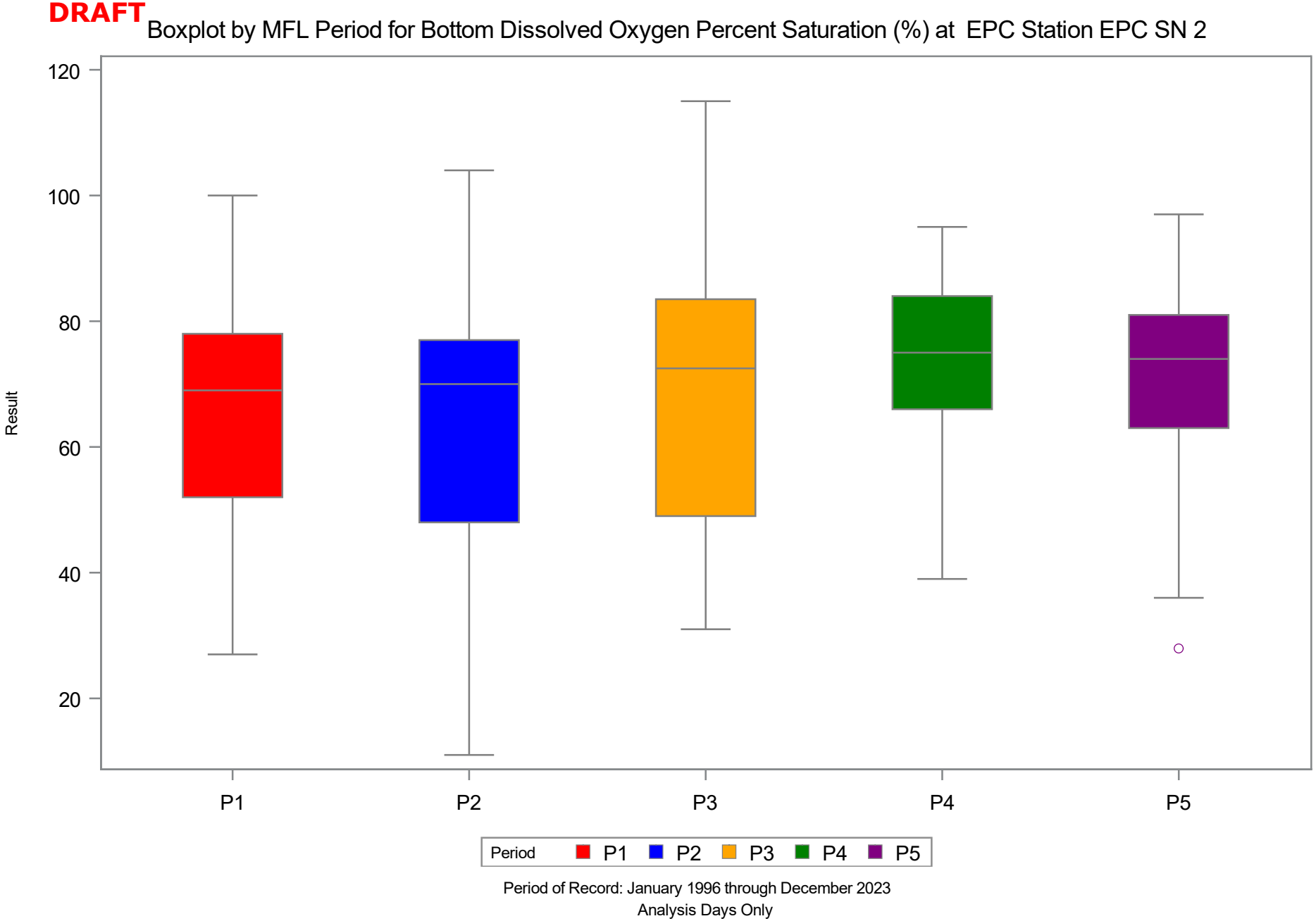
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	27.00	52.00	63.64	69.00	78.00	100.00
P2	41	11.00	48.00	63.44	70.00	77.00	104.00
P3	24	31.00	49.00	67.04	72.50	83.50	115.00
P4	21	39.00	66.00	71.86	75.00	84.00	95.00
P5	21	28.00	63.00	69.52	74.00	81.00	97.00

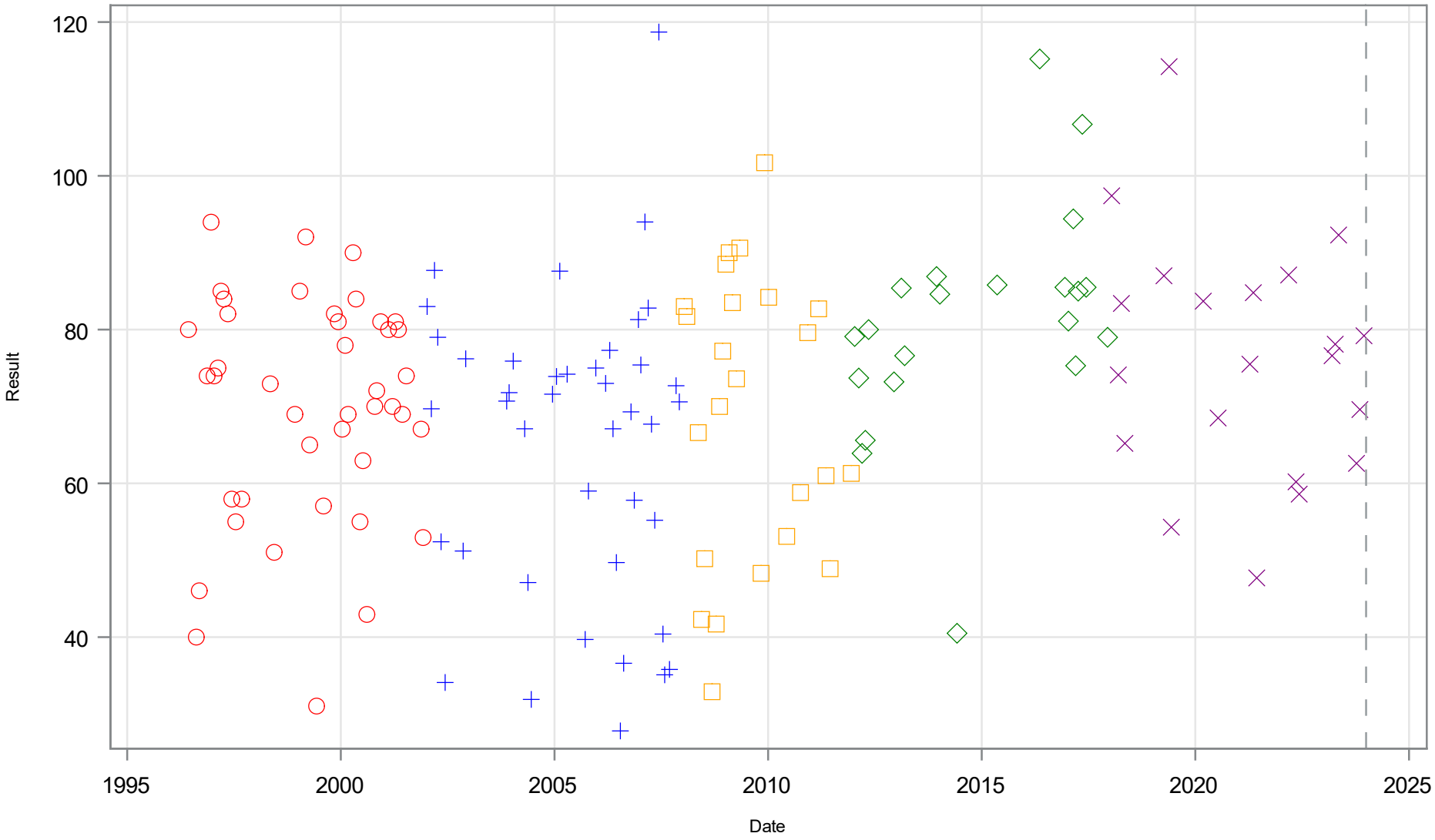
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2
Result
120
100
80
60
40
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

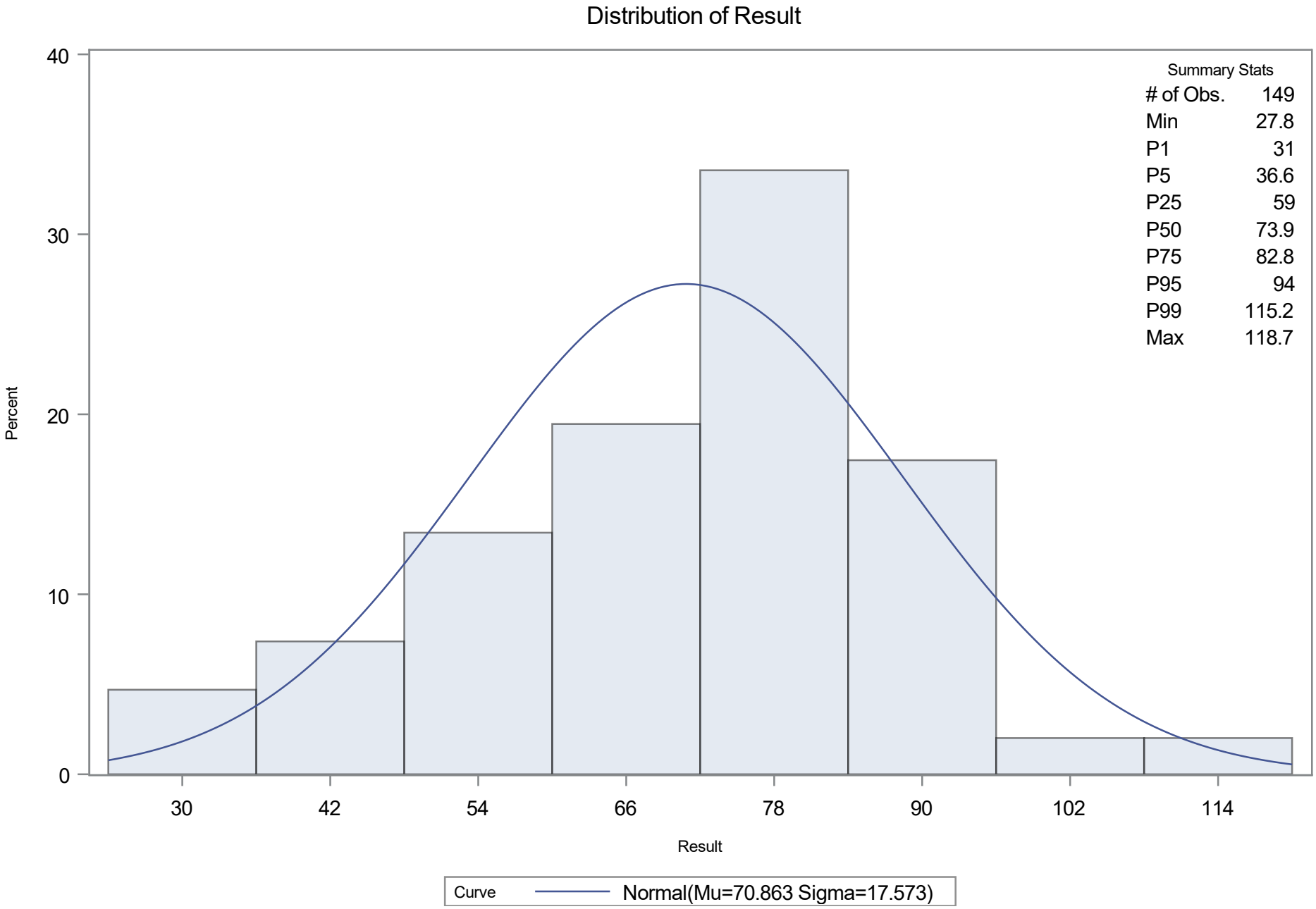
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	70.86309
Std Dev	Sigma	17.57346

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09536830	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.31272467	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.78236972	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	31.0000	29.9811
5.0	36.6000	41.9573
10.0	43.0000	48.3418
25.0	59.0000	59.0100
50.0	73.9000	70.8631
75.0	82.8000	82.7162
90.0	88.5000	93.3844
95.0	94.0000	99.7689
99.0	115.2000	111.7451

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	31.00	58.00	69.93	72.50	81.00	94.00
P2	41	27.80	51.20	65.05	70.60	75.90	118.70
P3	24	32.90	51.65	68.81	71.80	83.25	101.70
P4	21	40.50	75.30	81.10	81.10	85.50	115.20
P5	21	47.70	65.20	76.20	76.60	84.80	114.20

Period of Record: January 1996 through December 2023
Analysis Days Only

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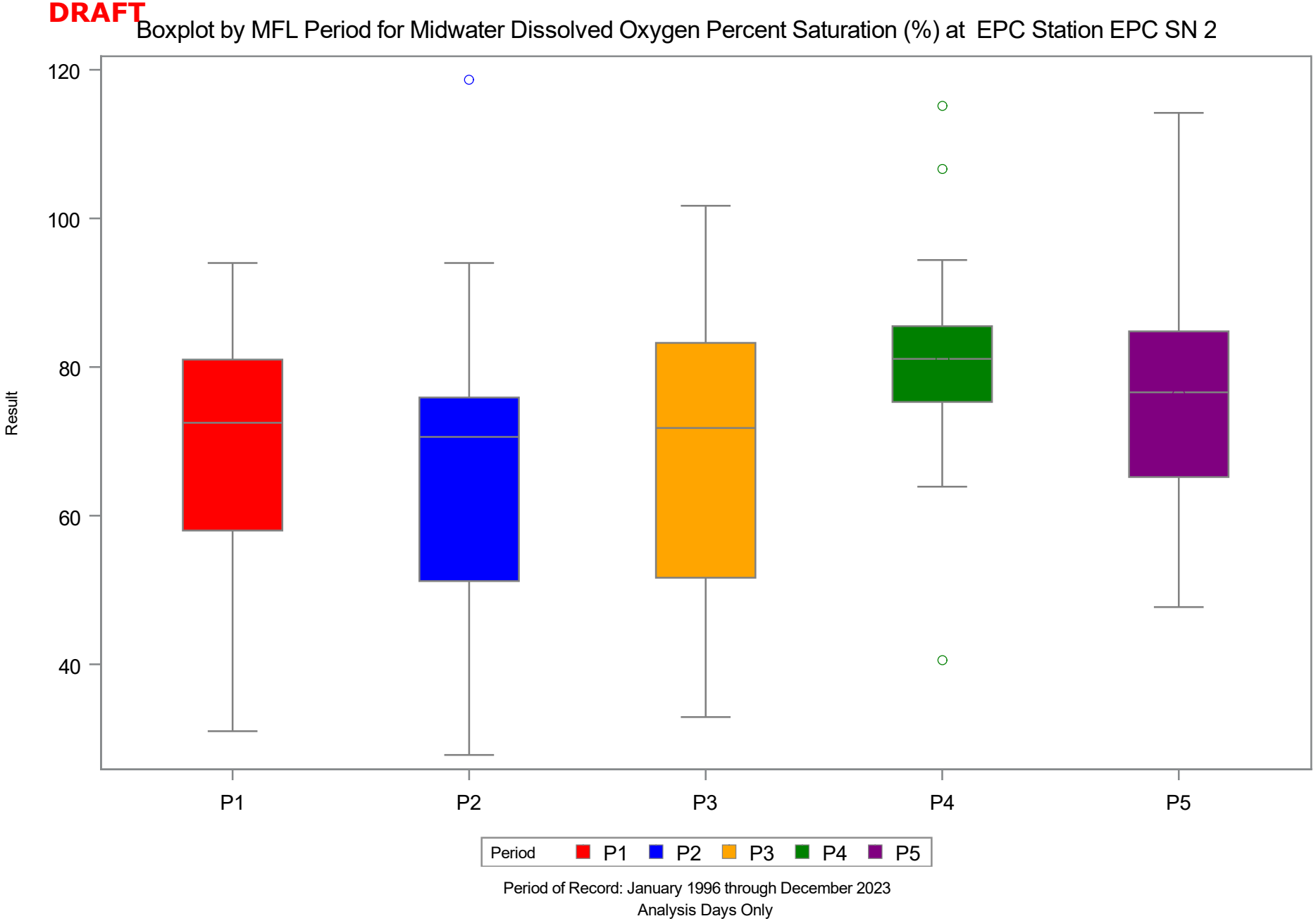
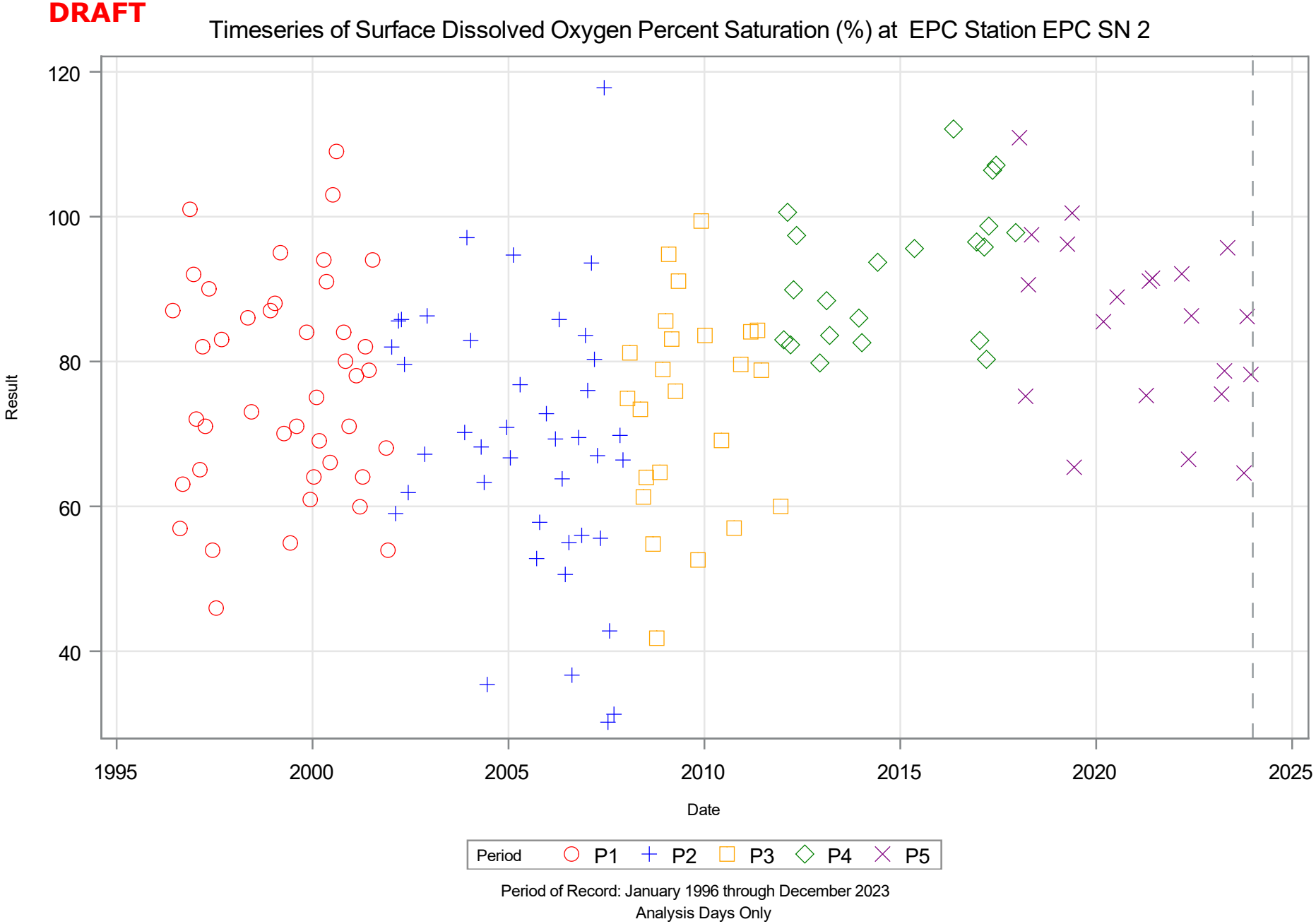
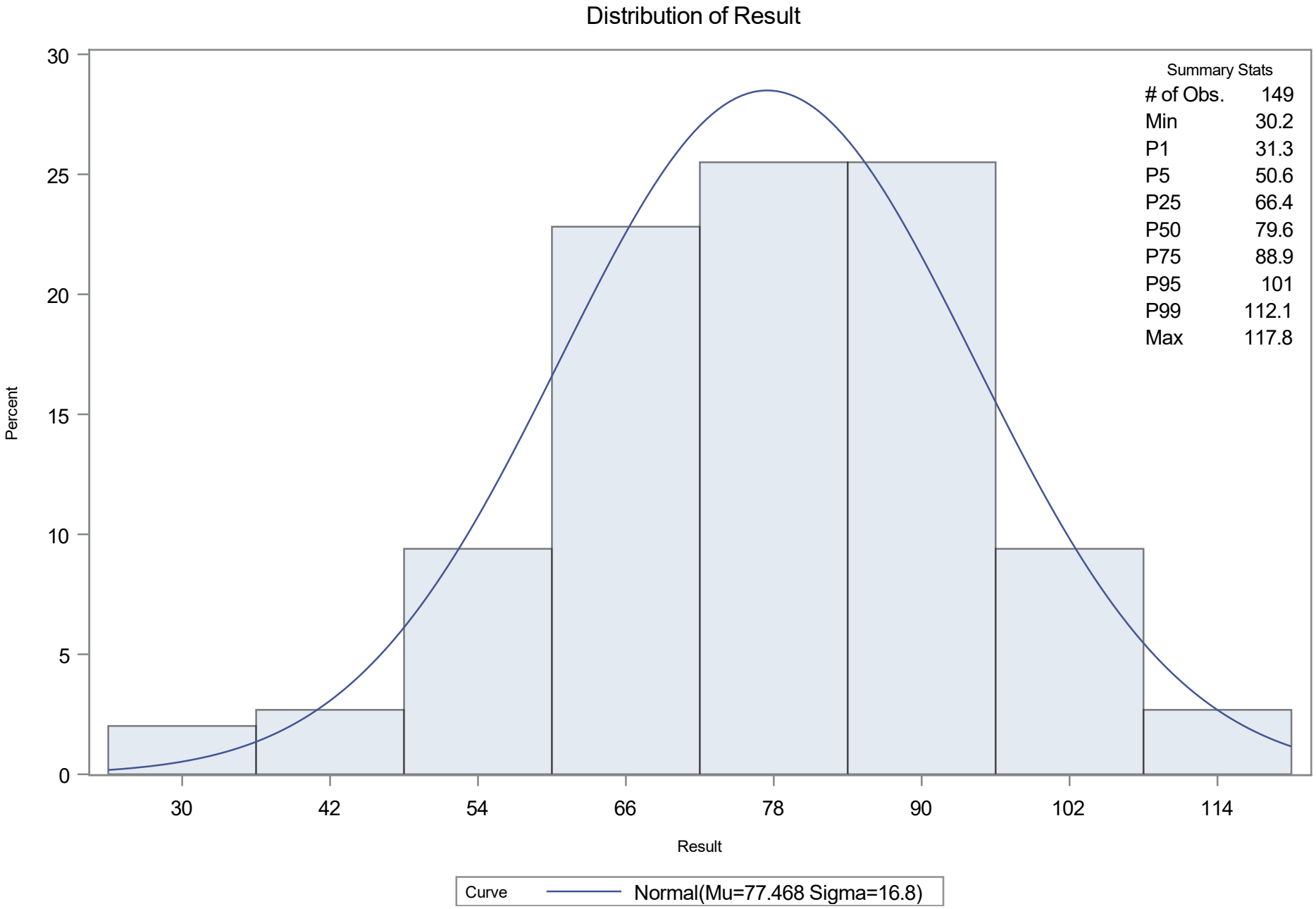

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2
120
100
80
60
40
Result
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2
Result
120
100
80
60
40
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	77.46846
Std Dev	Sigma	16.80008

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06940458	**Pr > D**	0.079
Cramer-von Mises	**W-Sq**	0.08935679	**Pr > W-Sq**	0.158
Anderson-Darling	**A-Sq**	0.52536885	**Pr > A-Sq**	0.186

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	31.3000	38.3856
5.0	50.6000	49.8348
10.0	55.0000	55.9383
25.0	66.4000	66.1370
50.0	79.6000	77.4685
75.0	88.9000	88.7999
90.0	97.4000	98.9986
95.0	101.0000	105.1021
99.0	112.1000	116.5513

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	46.00	65.00	76.61	76.50	87.00	109.00
P2	41	30.20	57.80	68.73	69.30	82.00	117.80
P3	24	41.80	62.65	73.92	77.35	83.85	99.40
P4	21	79.80	83.00	92.40	93.70	97.80	112.10
P5	21	64.60	75.50	85.35	86.30	92.10	110.90

Period of Record: January 1996 through December 2023
Analysis Days Only

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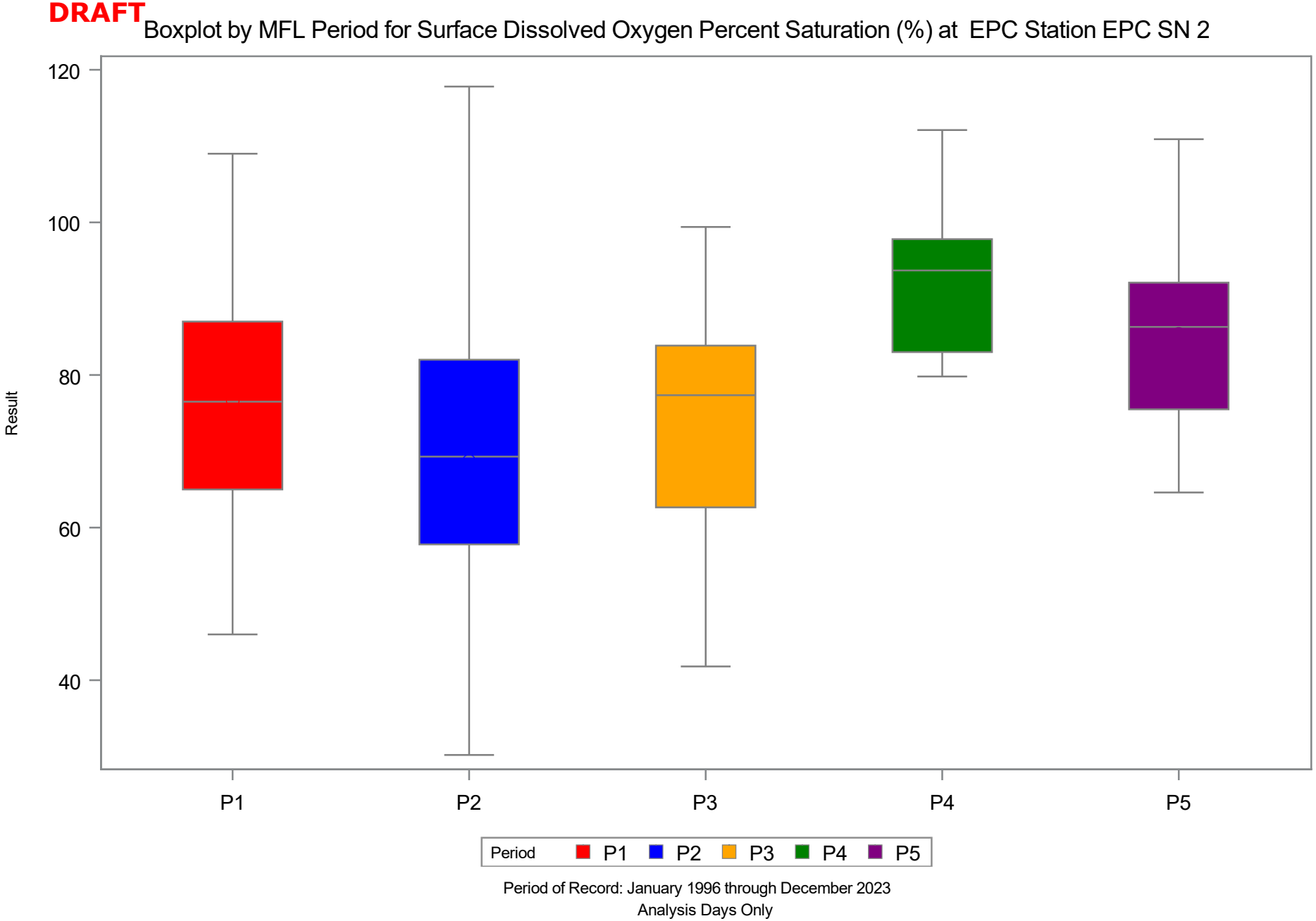
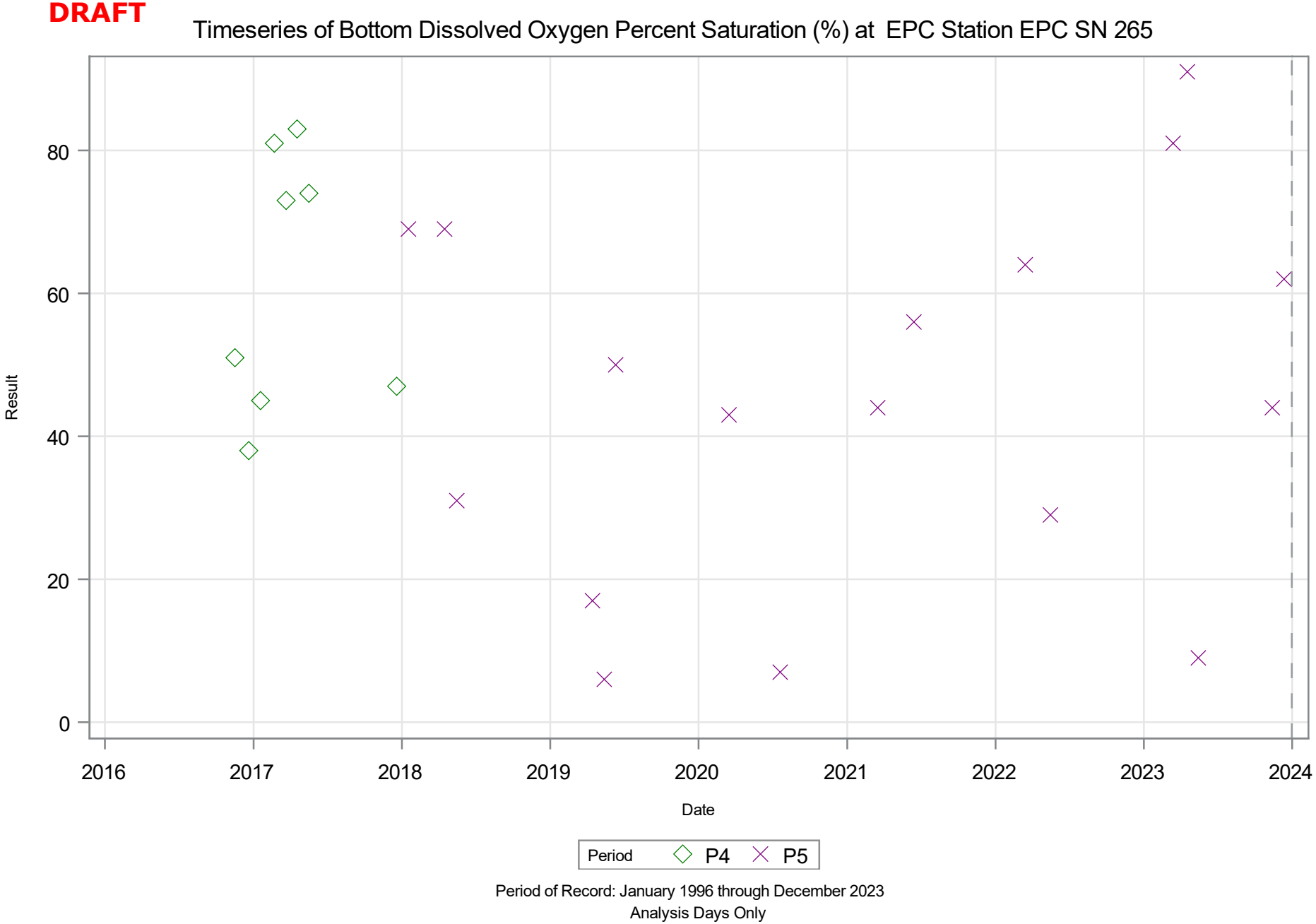
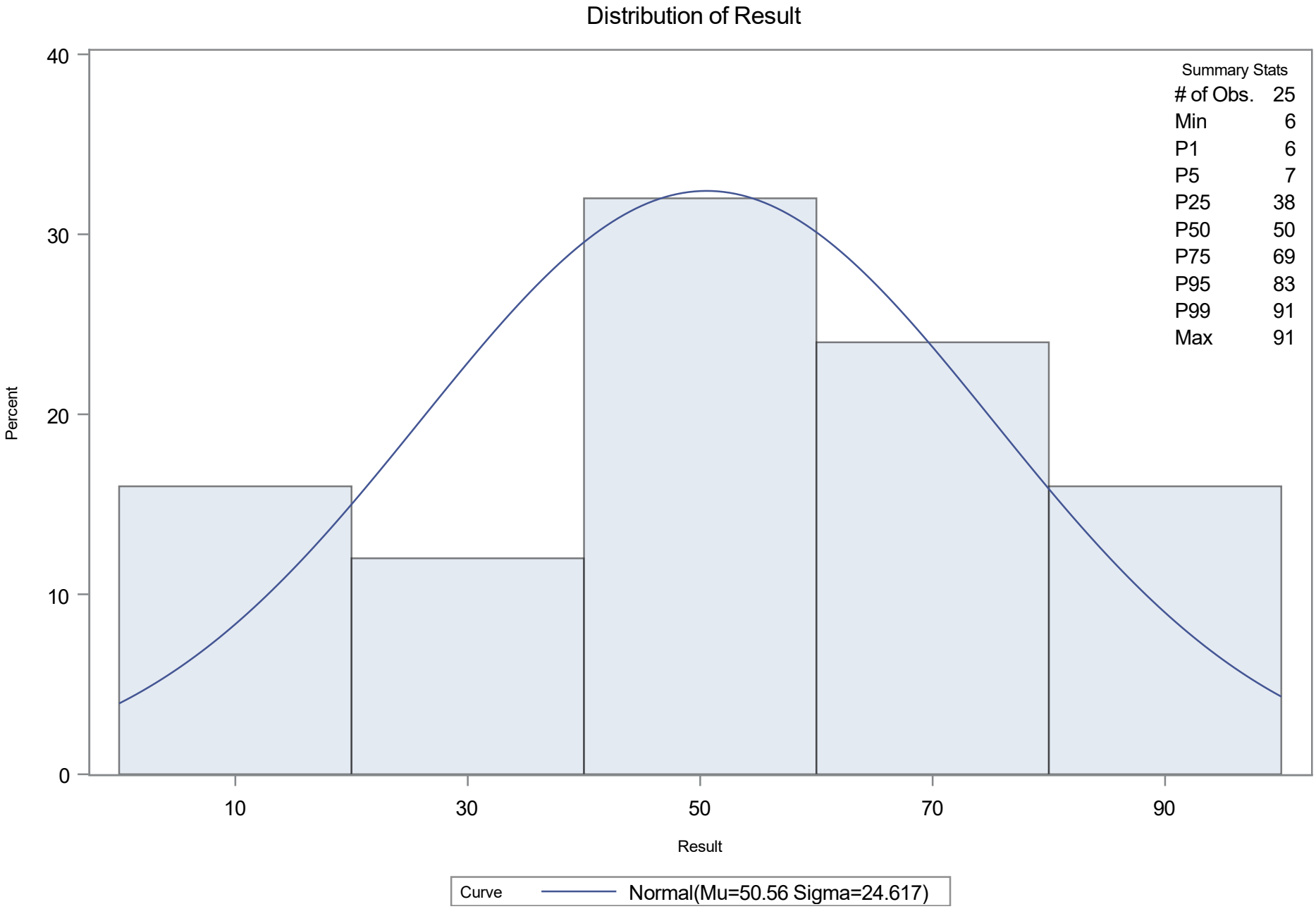

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 2
120
100
80
60
40
Result
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265
Result
0
20
40
60
80
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	50.56
Std Dev	Sigma	24.6172

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09938275	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04009203	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31784860	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.00000	-6.70818
5.0	7.00000	10.06830
10.0	9.00000	19.01179
25.0	38.00000	33.95595
50.0	50.00000	50.56000
75.0	69.00000	67.16405
90.0	81.00000	82.10821
95.0	83.00000	91.05170
99.0	91.00000	107.82818

Period of Record: January 1996 through December 2023
Analysis Days Only

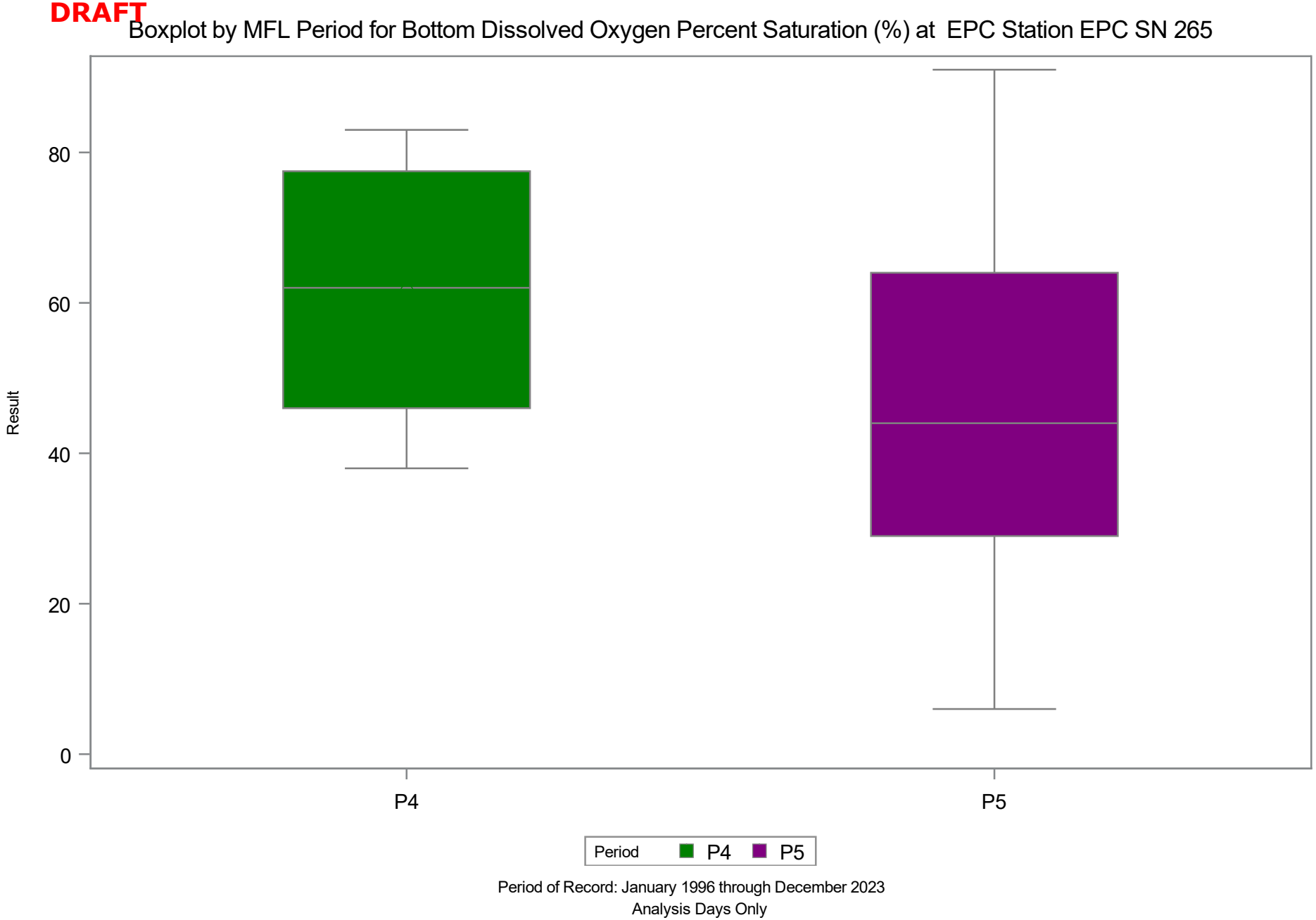
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	38.00	46.00	61.50	62.00	77.50	83.00
P5	17	6.00	29.00	45.41	44.00	64.00	91.00

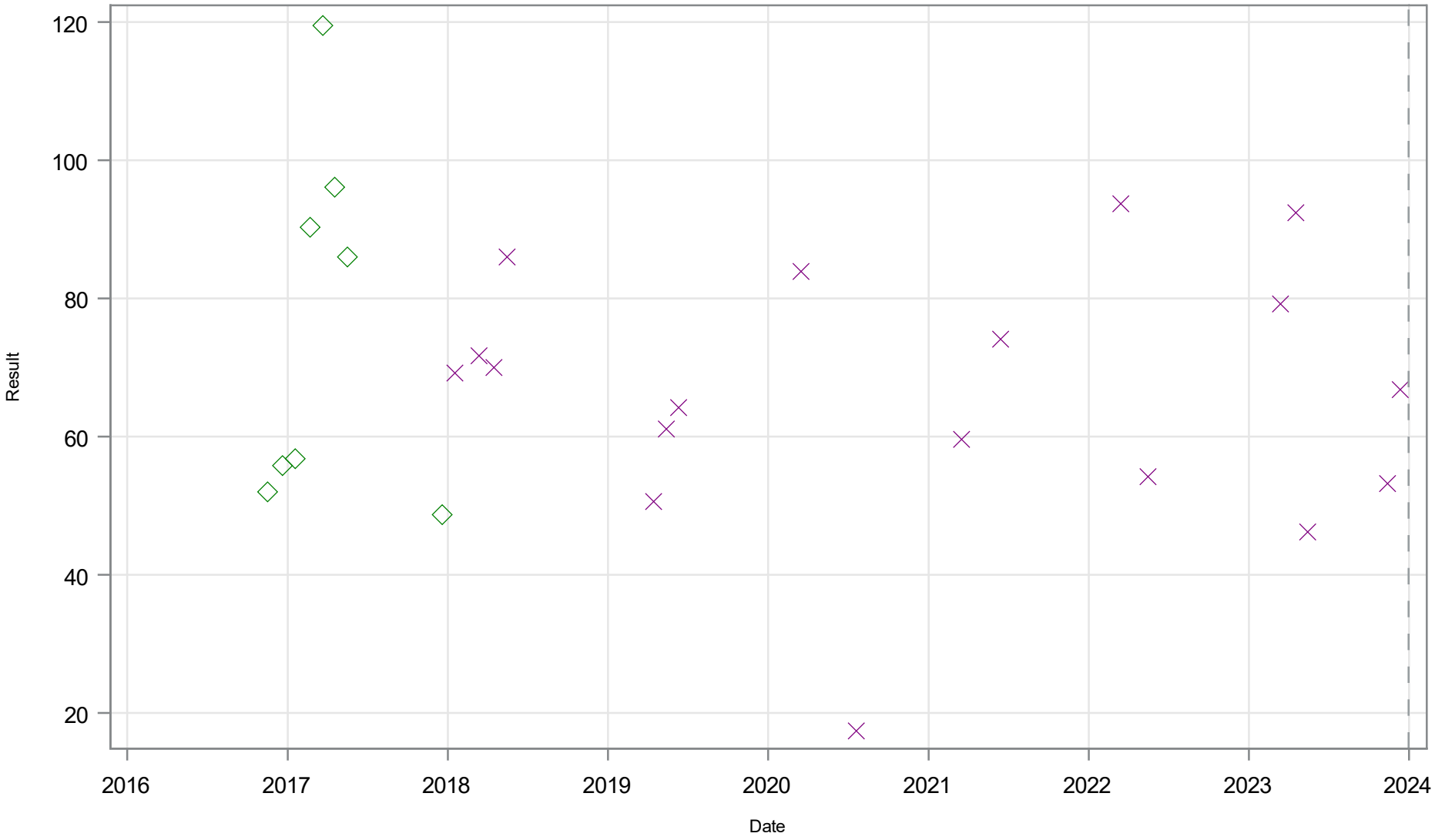
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265
Result
80
60
40
20
0
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

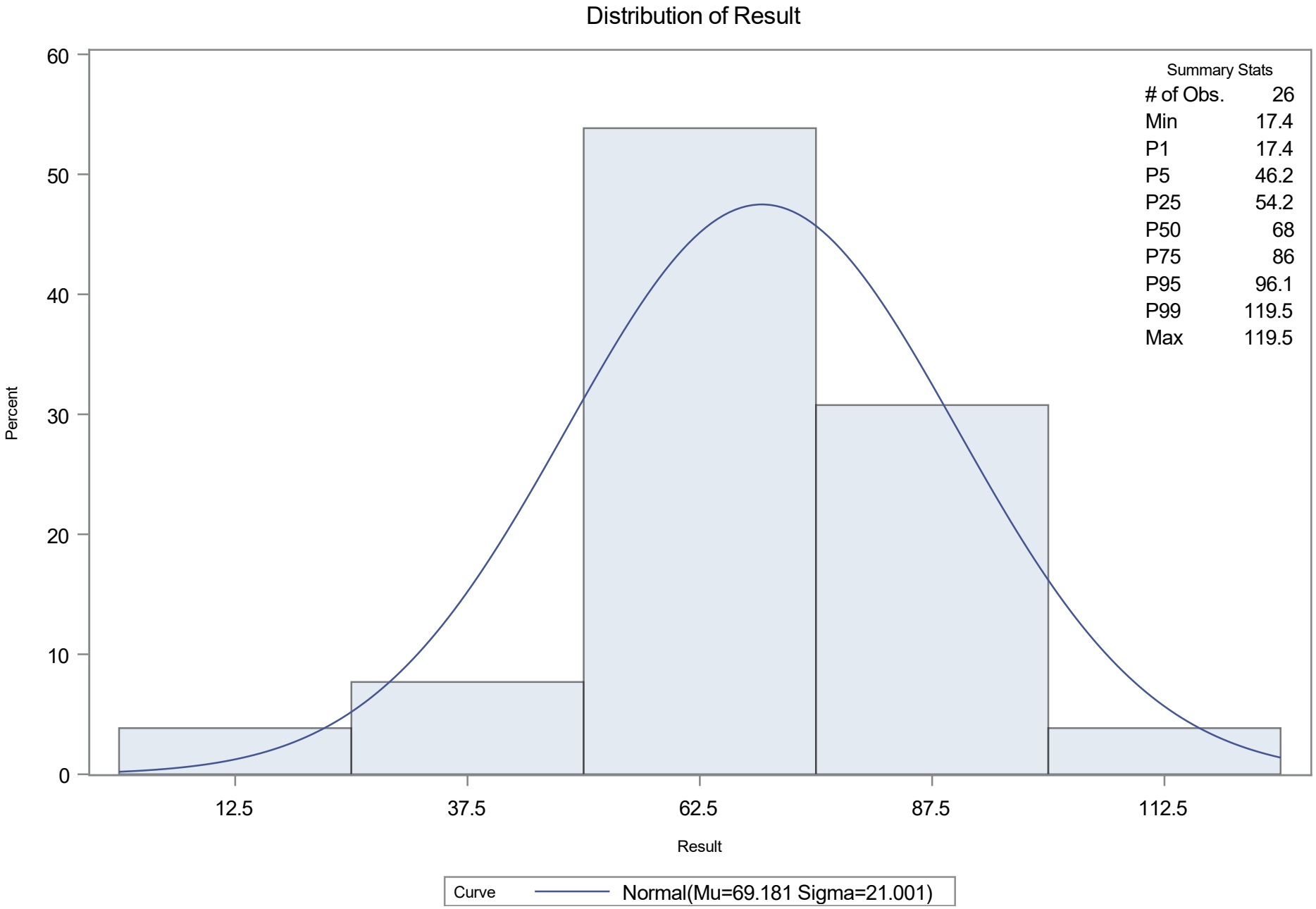
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	69.18077
Std Dev	Sigma	21.00095

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09845616	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04109052	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31587168	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.4000	20.3252
5.0	46.2000	34.6373
10.0	48.7000	42.2670
25.0	54.2000	55.0158
50.0	68.0000	69.1808
75.0	86.0000	83.3457
90.0	93.7000	96.0946
95.0	96.1000	103.7243
99.0	119.5000	118.0363

Period of Record: January 1996 through December 2023
Analysis Days Only

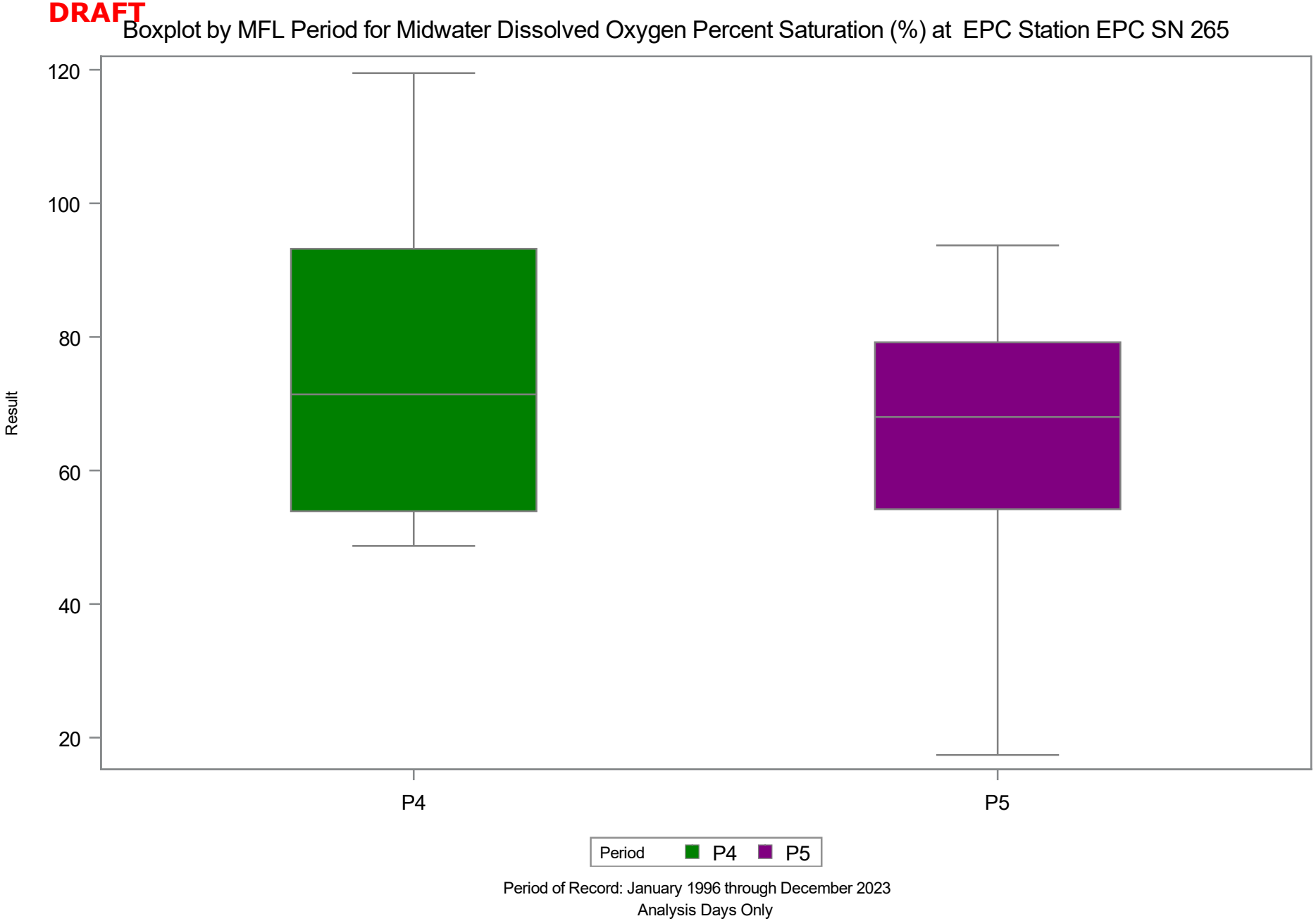
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265

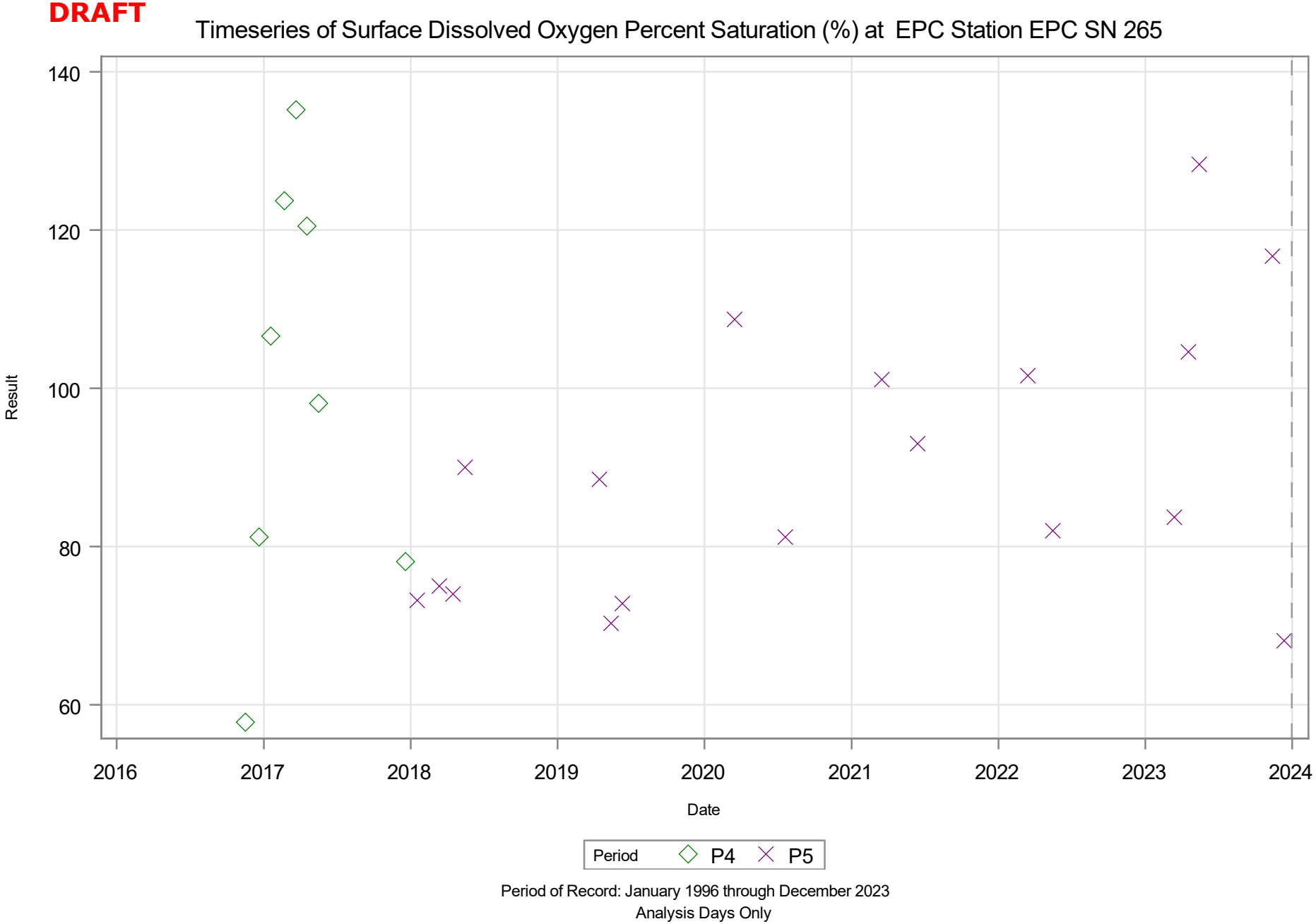
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	48.70	53.90	75.65	71.40	93.20	119.50
P5	18	17.40	54.20	66.31	68.00	79.20	93.70

Period of Record: January 1996 through December 2023
Analysis Days Only

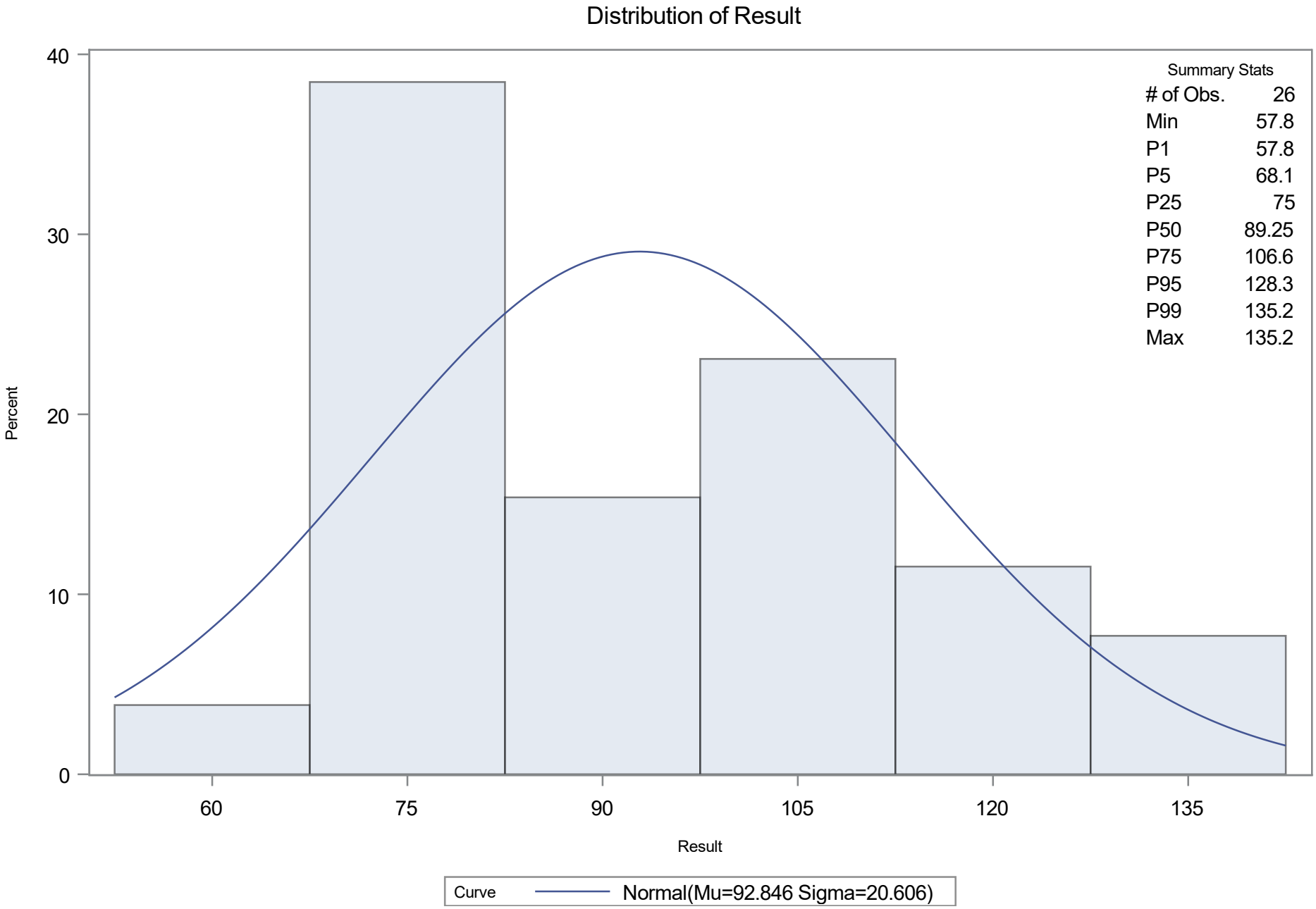
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265
120
100
80
60
40
20
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265
Result
140
120
100
80
60
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	92.84615
Std Dev	Sigma	20.60581

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13296760	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06722204	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41109168	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	57.8000	44.9099
5.0	68.1000	58.9526
10.0	70.3000	66.4387
25.0	75.0000	78.9477
50.0	89.2500	92.8462
75.0	106.6000	106.7446
90.0	123.7000	119.2536
95.0	128.3000	126.7397
99.0	135.2000	140.7824

Period of Record: January 1996 through December 2023
Analysis Days Only

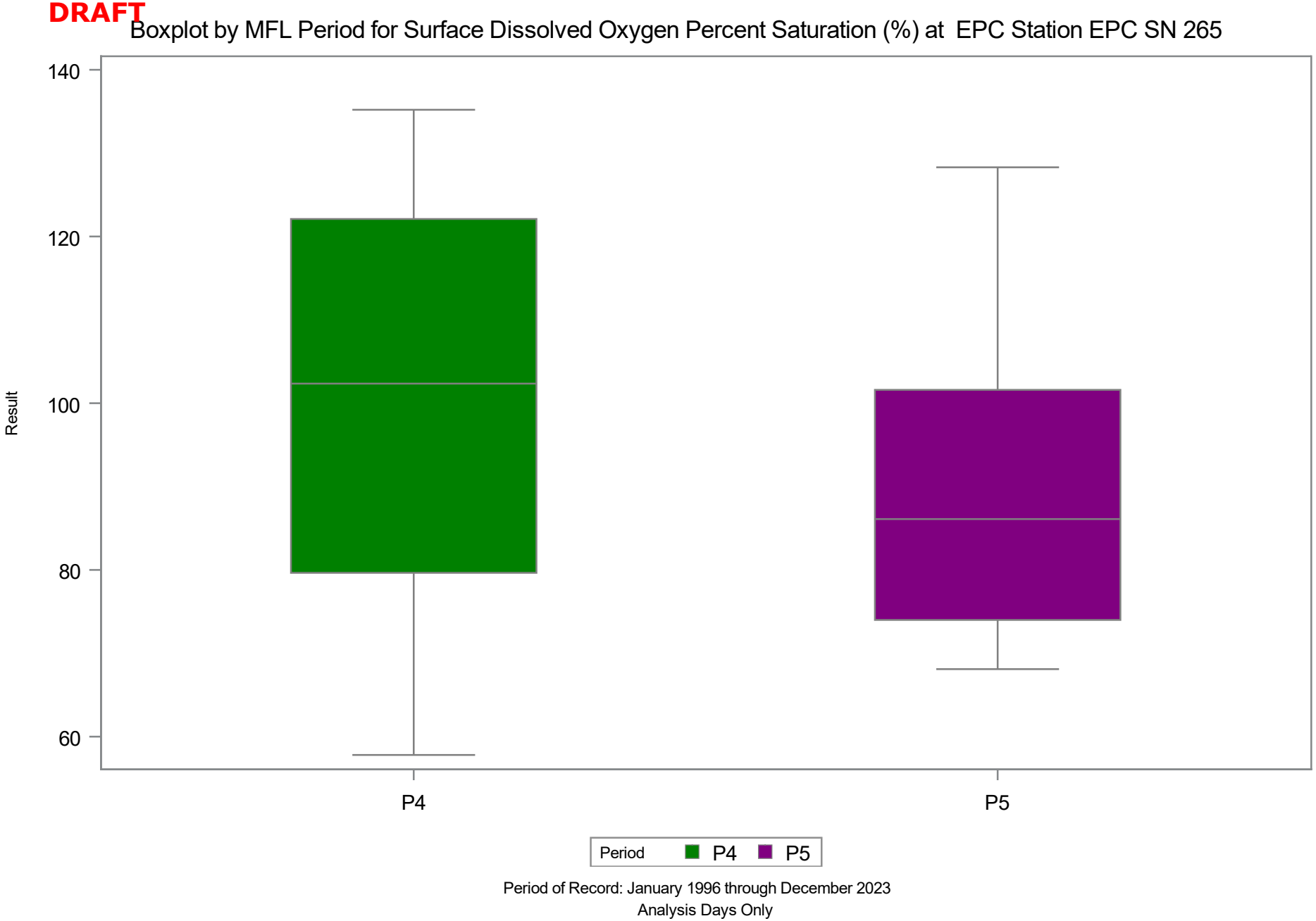
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265

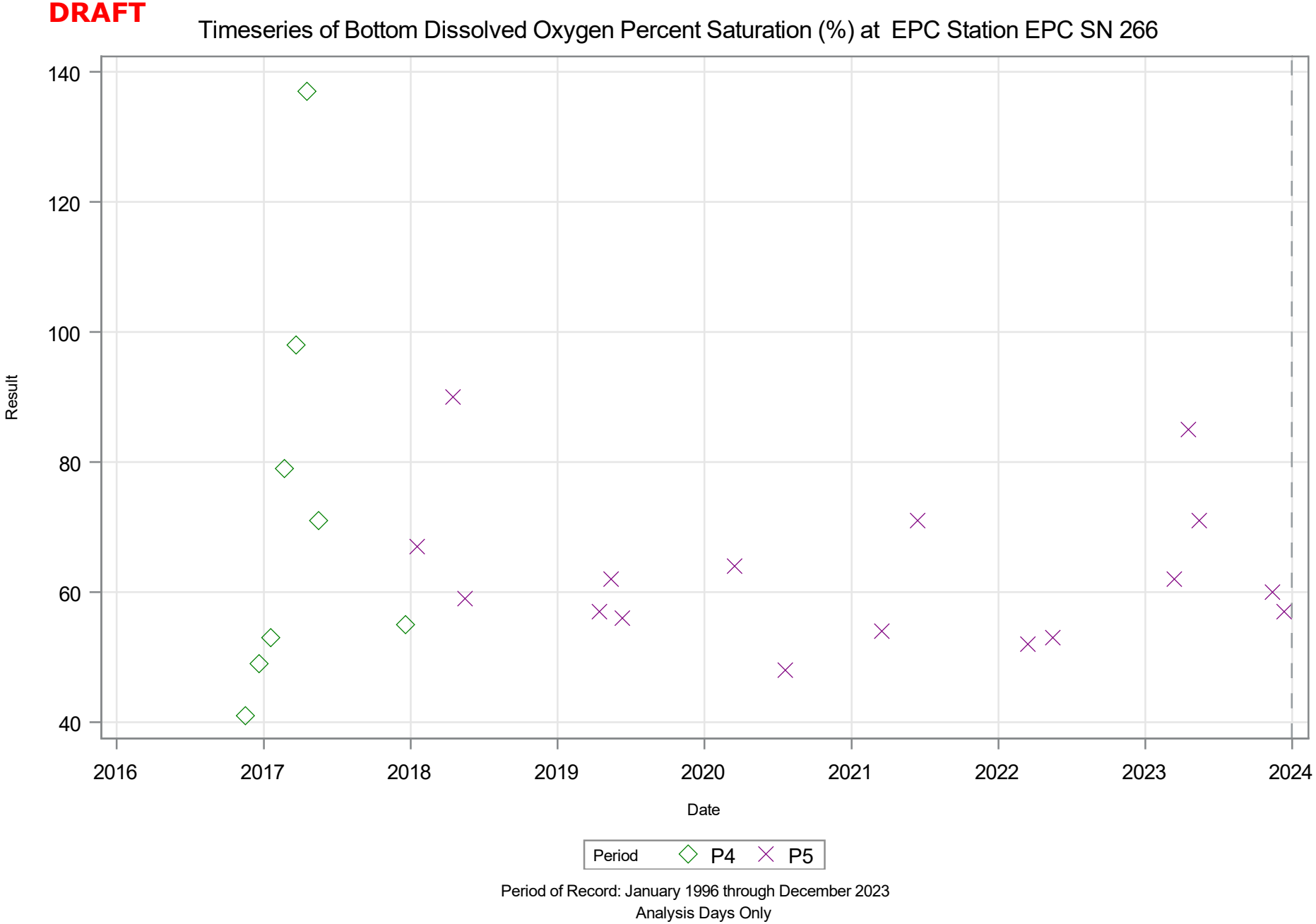
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	57.80	79.65	100.15	102.35	122.10	135.20
P5	18	68.10	74.00	89.60	86.10	101.60	128.30

Period of Record: January 1996 through December 2023
Analysis Days Only

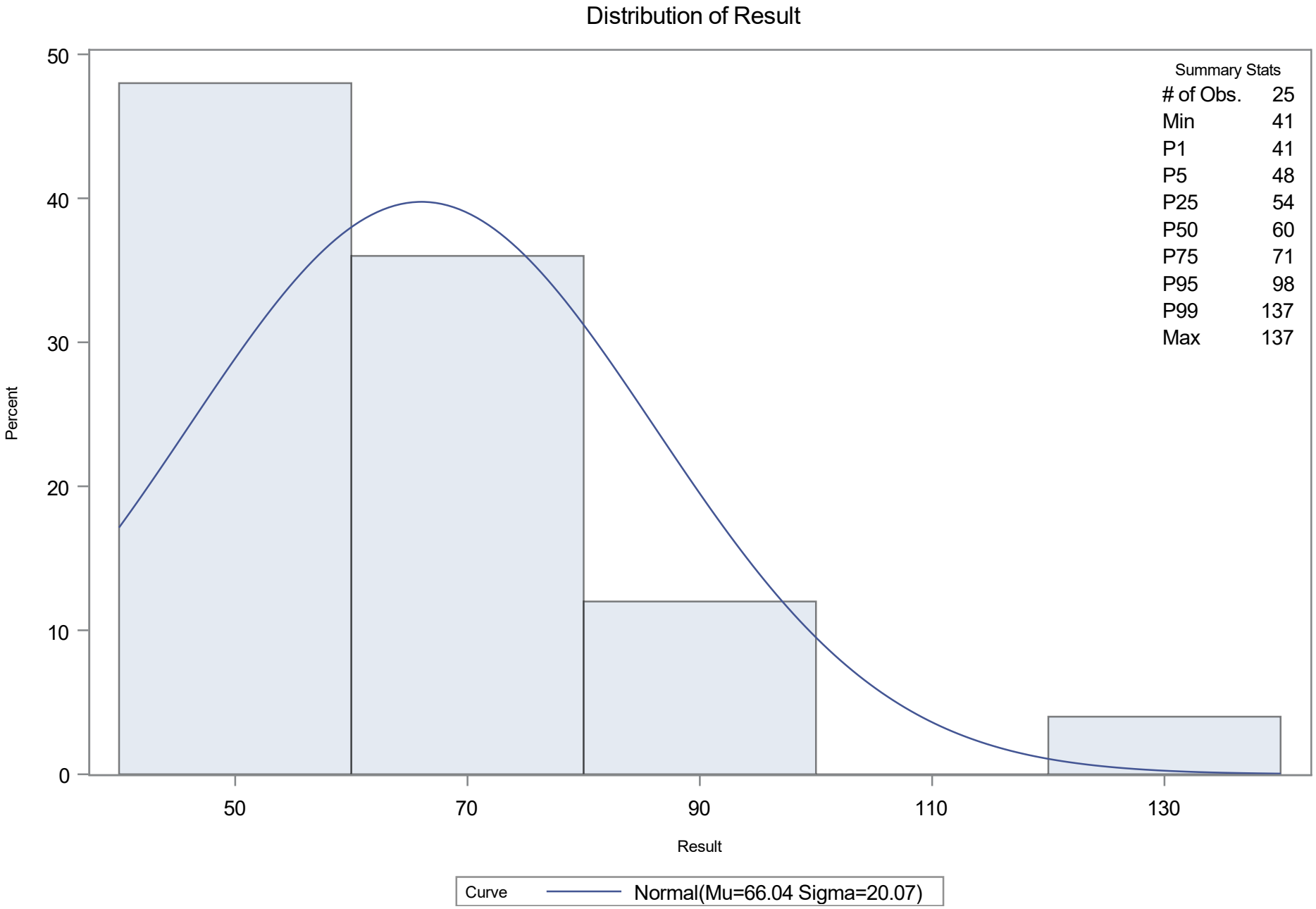
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 265
140
120
100
80
60
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266
Result
140
120
100
80
60
40
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	66.04
Std Dev	Sigma	20.06963

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20240009	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24764639	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.43416213	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	41.0000	19.3511
5.0	48.0000	33.0284
10.0	49.0000	40.3197
25.0	54.0000	52.5032
50.0	60.0000	66.0400
75.0	71.0000	79.5768
90.0	90.0000	91.7603
95.0	98.0000	99.0516
99.0	137.0000	112.7289

Period of Record: January 1996 through December 2023
Analysis Days Only

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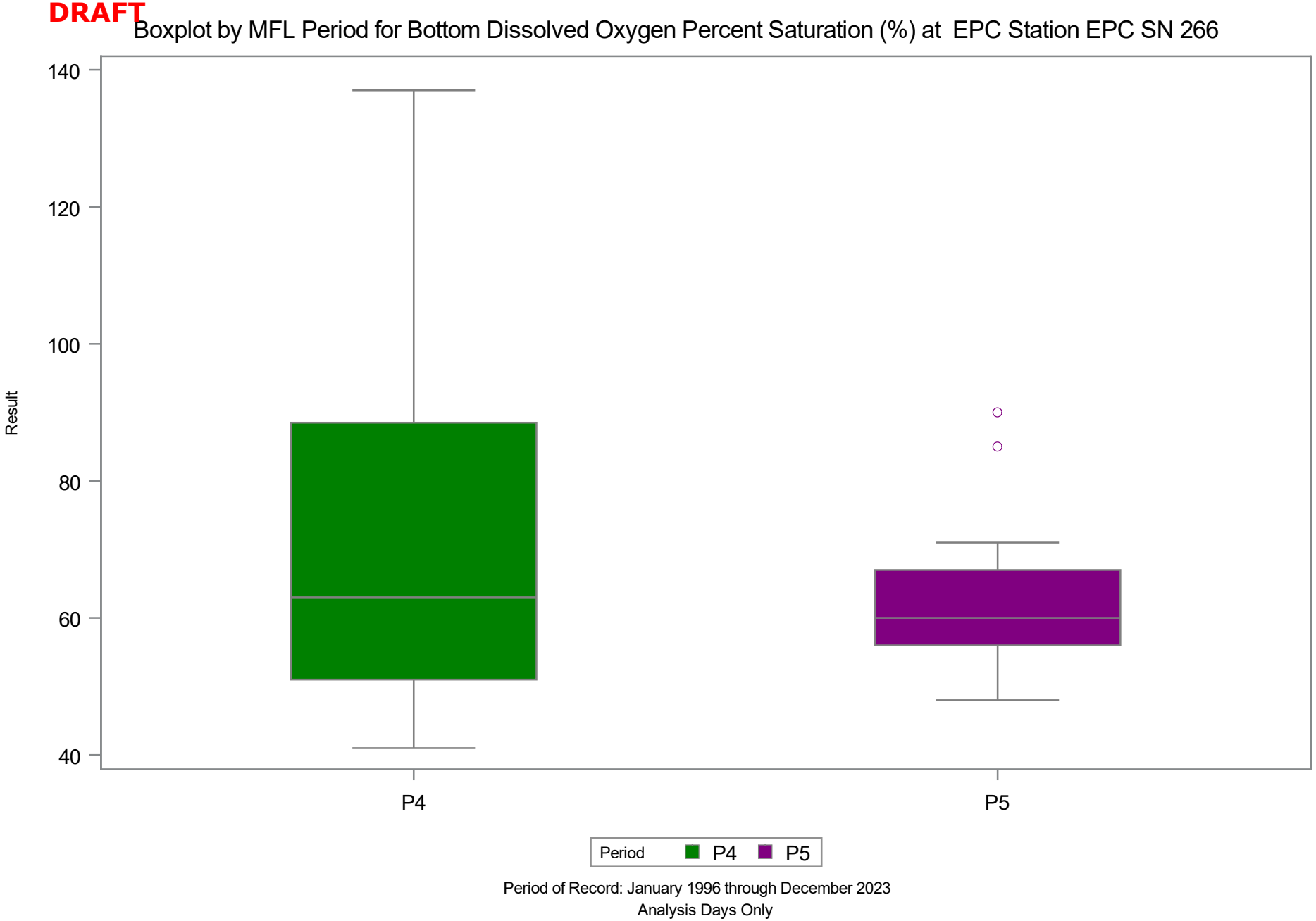
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266

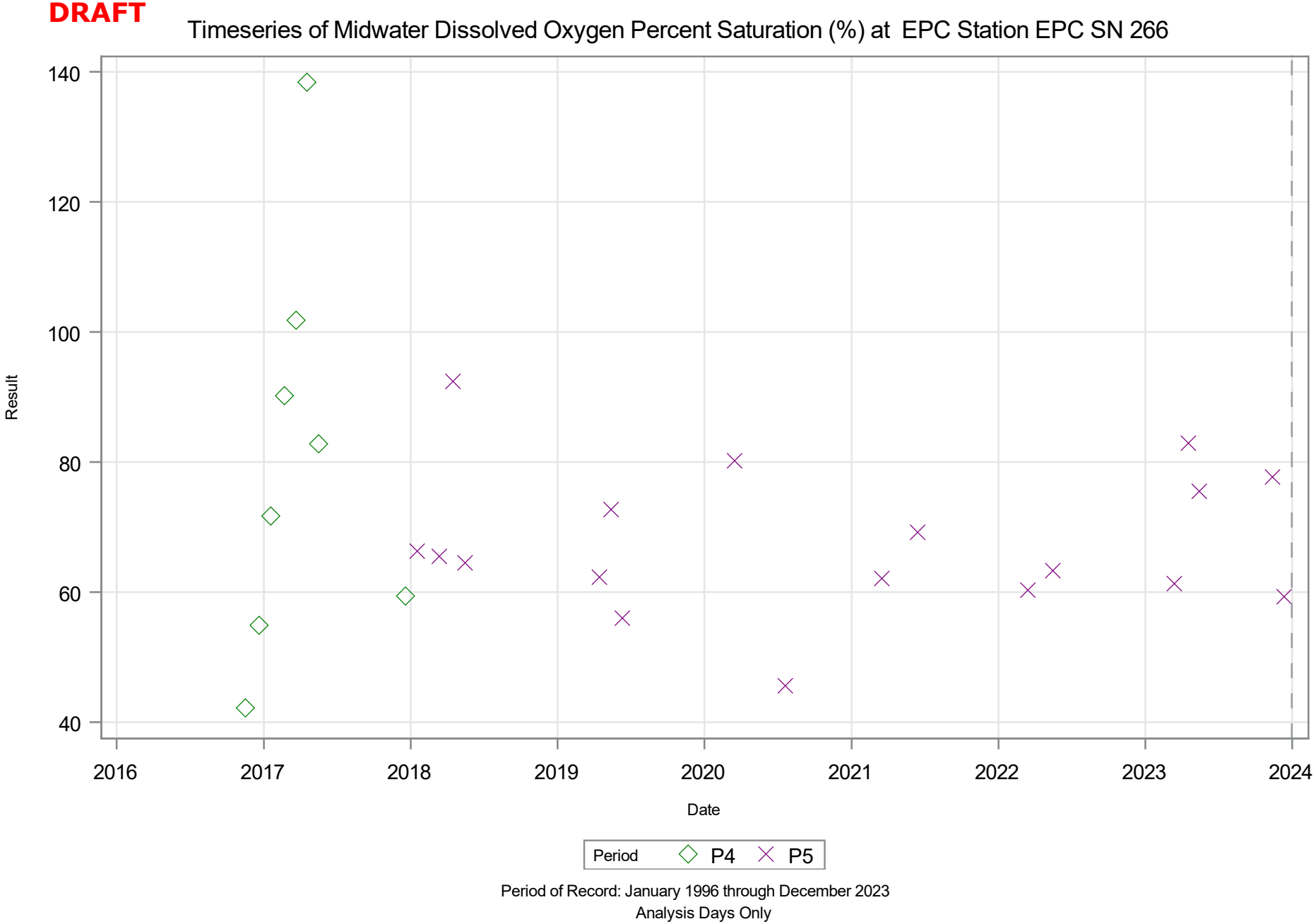
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	41.00	51.00	72.88	63.00	88.50	137.00
P5	17	48.00	56.00	62.82	60.00	67.00	90.00

Period of Record: January 1996 through December 2023
Analysis Days Only

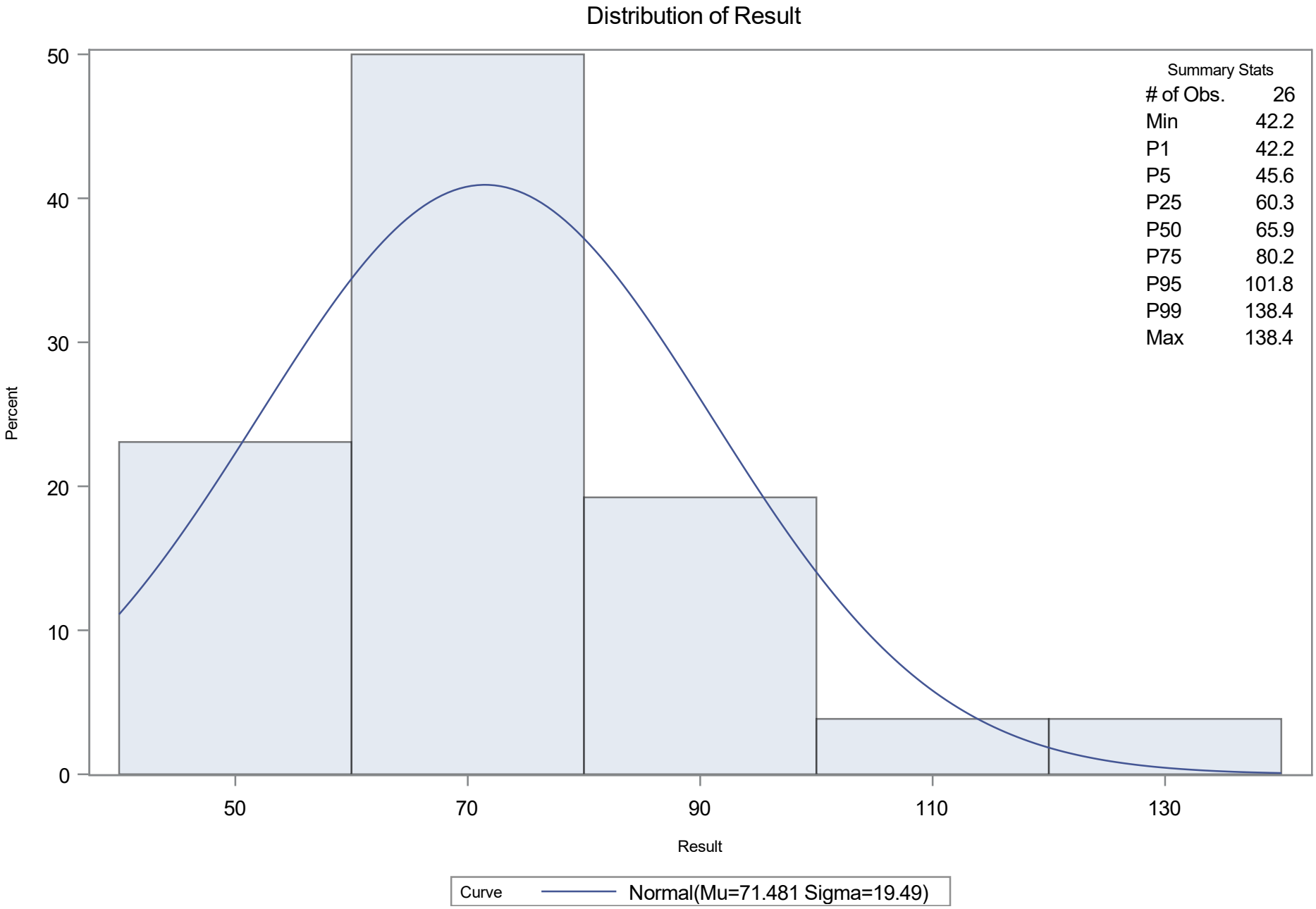
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266
Result
140
120
100
80
60
40
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266
Result
140
120
100
80
60
40
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	71.48077
Std Dev	Sigma	19.49037

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14326945	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.14793691	**Pr > W-Sq**	0.024
Anderson-Darling	**A-Sq**	0.91359286	**Pr > A-Sq**	0.019

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	42.2000	26.1394
5.0	45.6000	39.4220
10.0	54.9000	46.5029
25.0	60.3000	58.3347
50.0	65.9000	71.4808
75.0	80.2000	84.6268
90.0	92.4000	96.4587
95.0	101.8000	103.5396
99.0	138.4000	116.8221

Period of Record: January 1996 through December 2023
Analysis Days Only

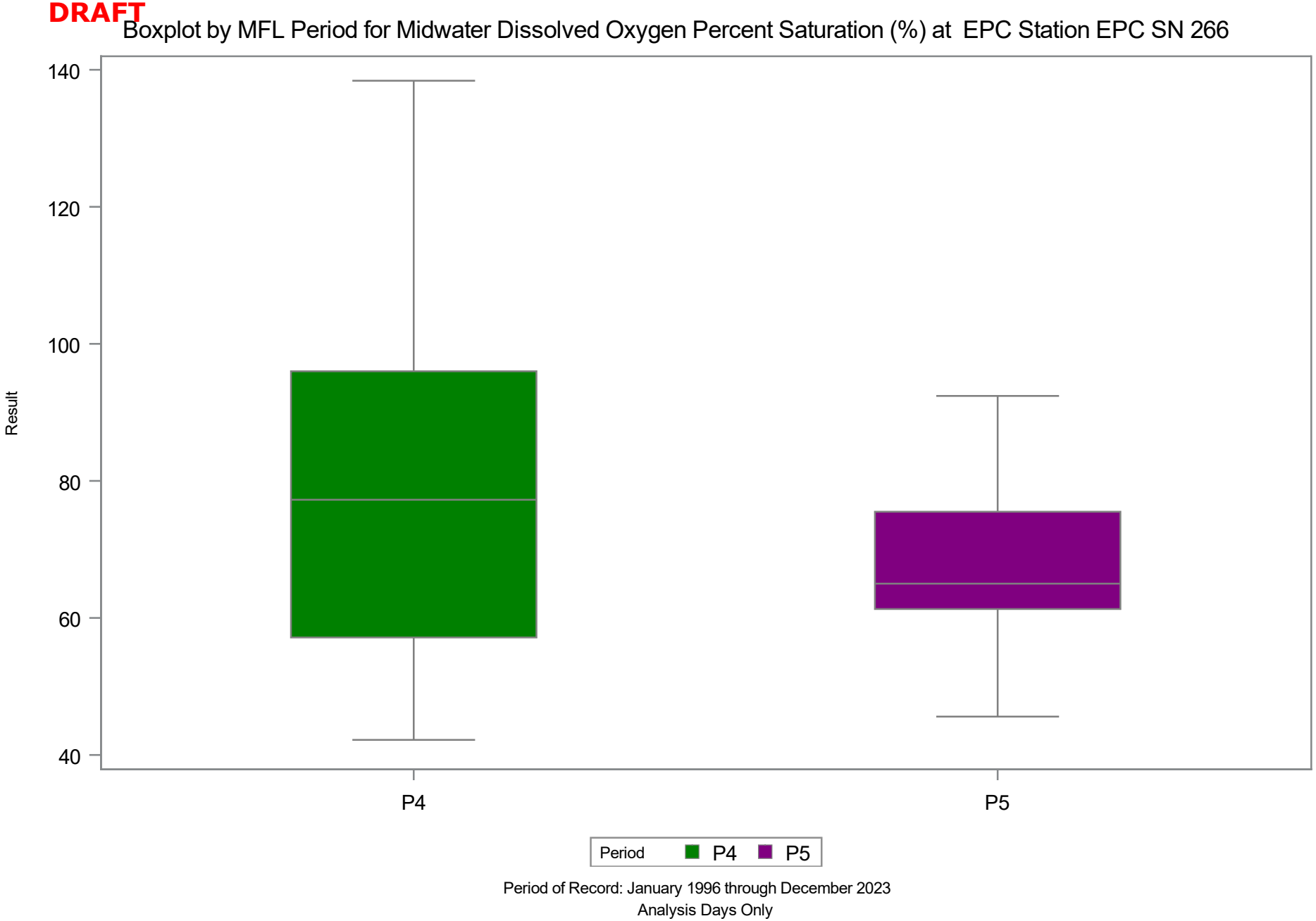
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266

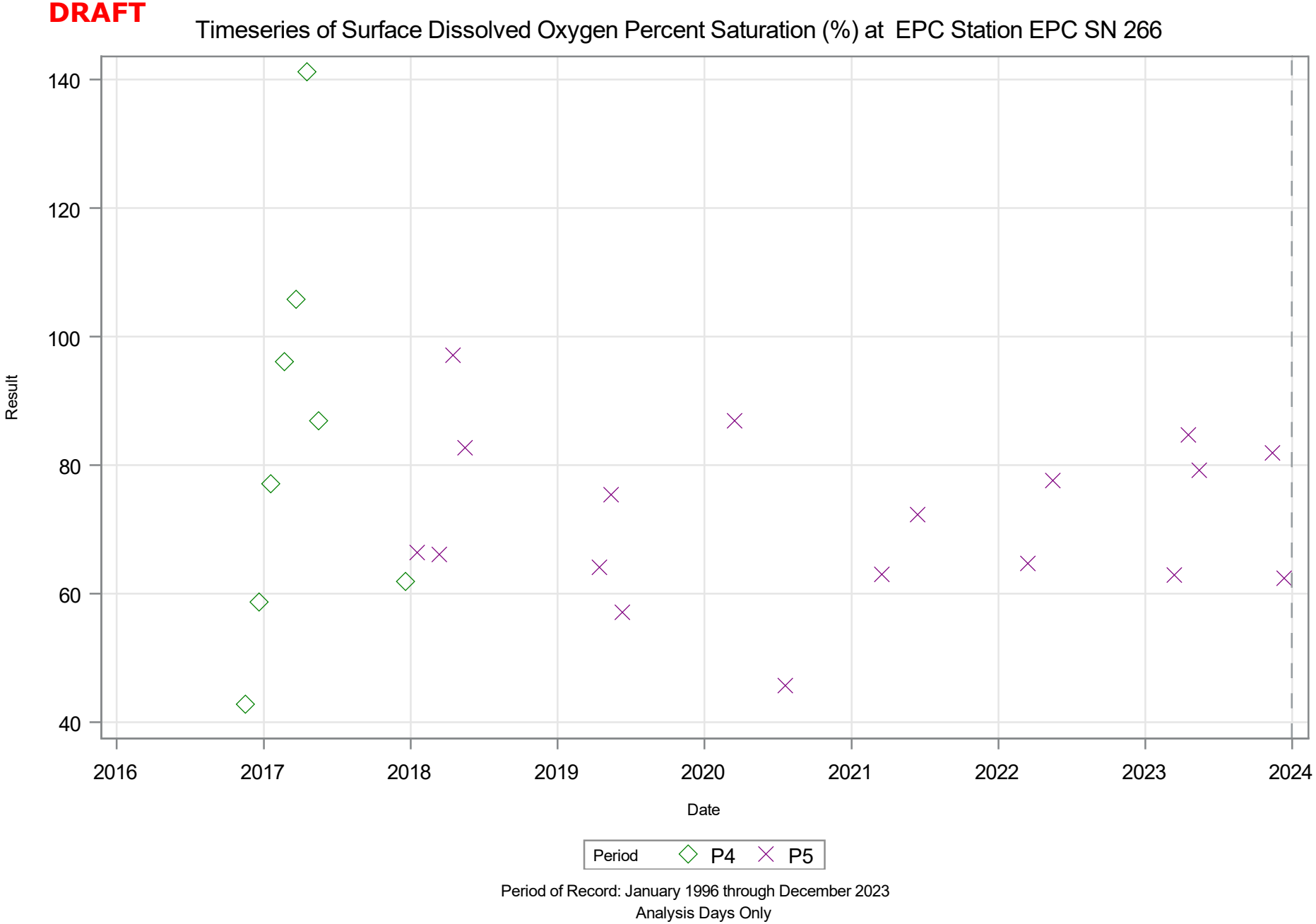
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	42.20	57.15	80.18	77.25	96.00	138.40
P5	18	45.60	61.30	67.62	65.00	75.50	92.40

Period of Record: January 1996 through December 2023
Analysis Days Only

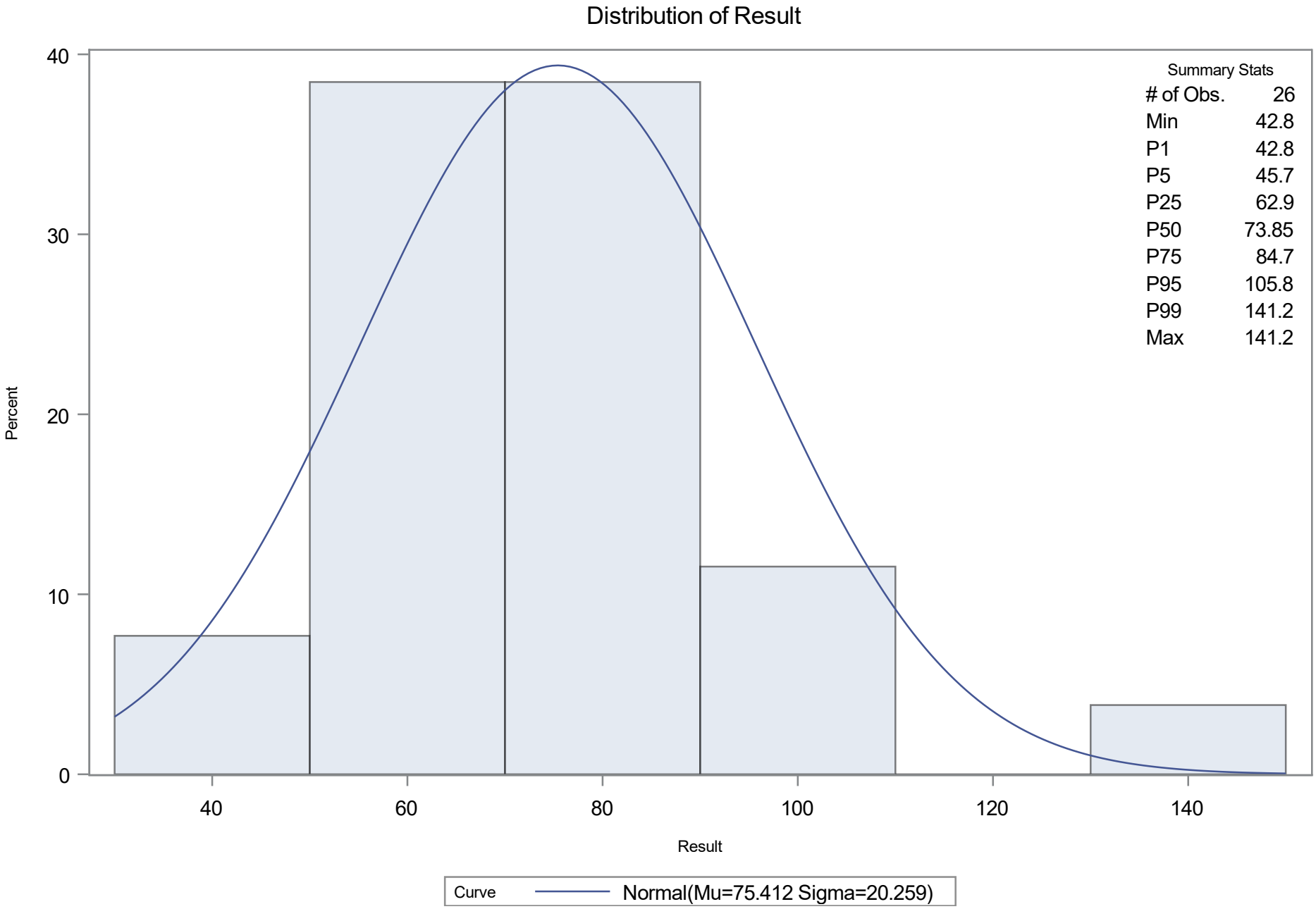
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266
Result
140
120
100
80
60
40
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266
Result
140
120
100
80
60
40
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.41154
Std Dev	Sigma	20.25936

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13330940	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09476385	**Pr > W-Sq**	0.129
Anderson-Darling	**A-Sq**	0.64039353	**Pr > A-Sq**	0.088

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	42.8000	28.2812
5.0	45.7000	42.0878
10.0	57.1000	49.4481
25.0	62.9000	61.7468
50.0	73.8500	75.4115
75.0	84.7000	89.0763
90.0	97.1000	101.3750
95.0	105.8000	108.7352
99.0	141.2000	122.5419

Period of Record: January 1996 through December 2023
Analysis Days Only

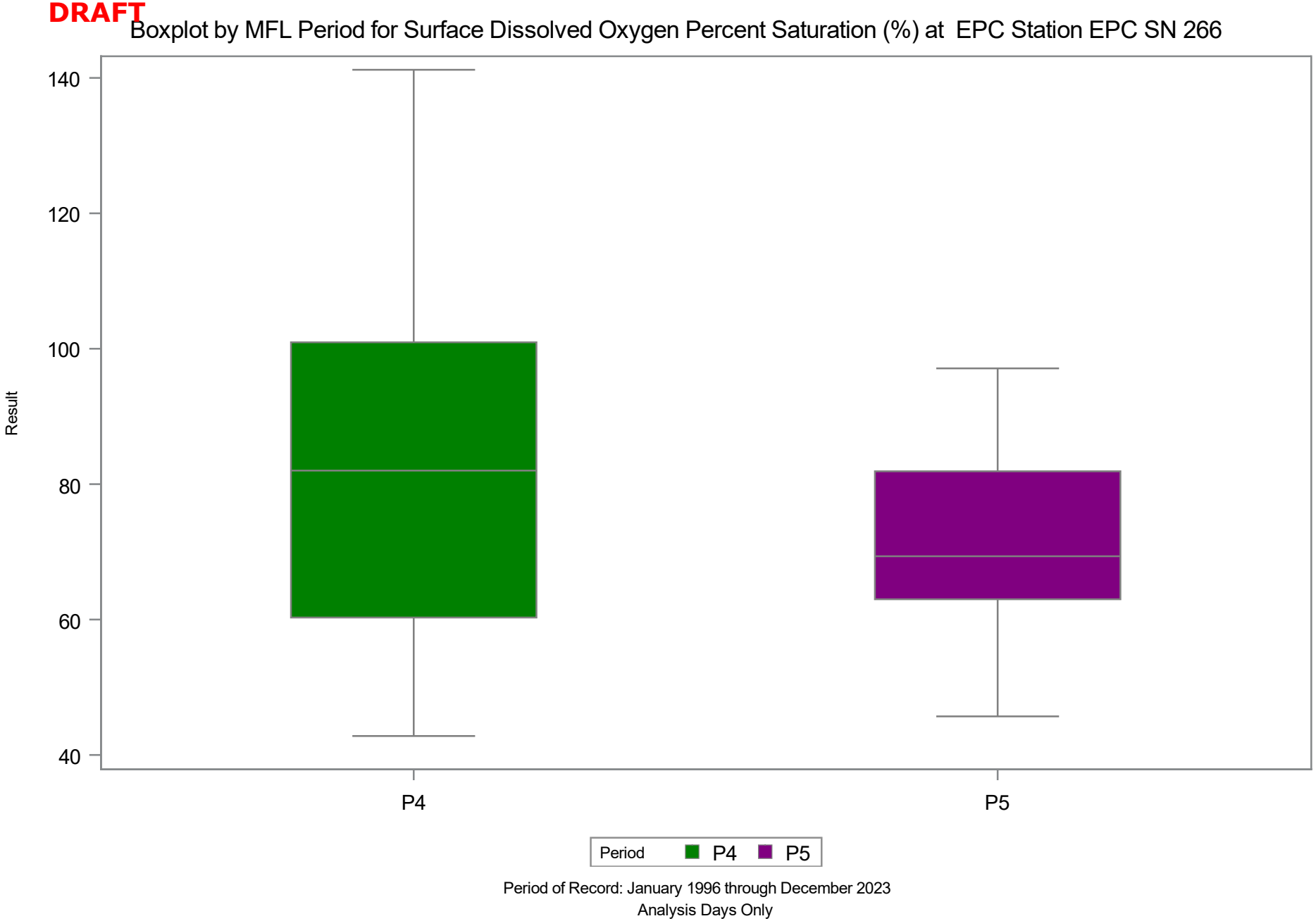
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266

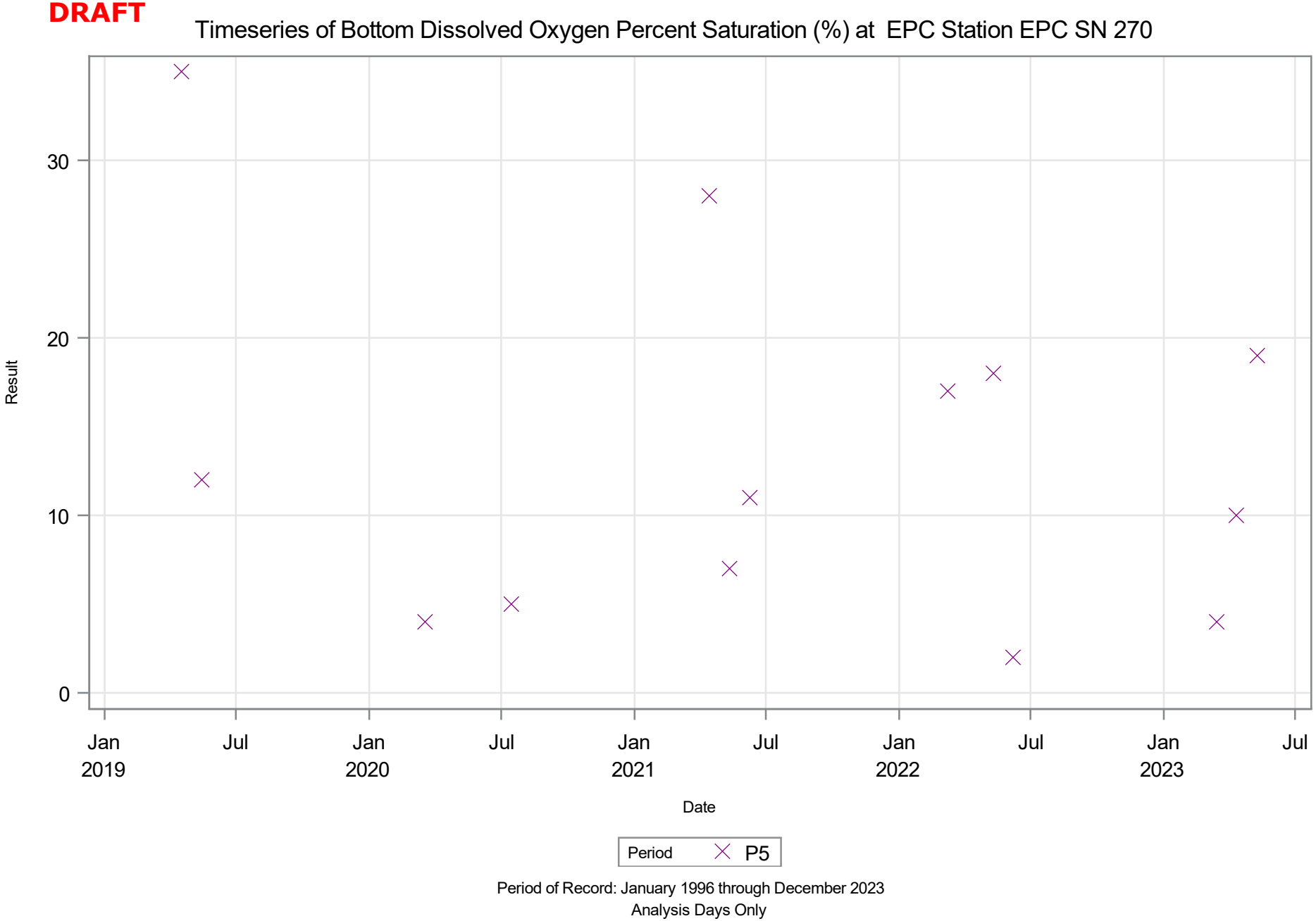
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	42.80	60.30	83.81	82.00	100.95	141.20
P5	18	45.70	63.00	71.68	69.35	81.90	97.10

Period of Record: January 1996 through December 2023
Analysis Days Only

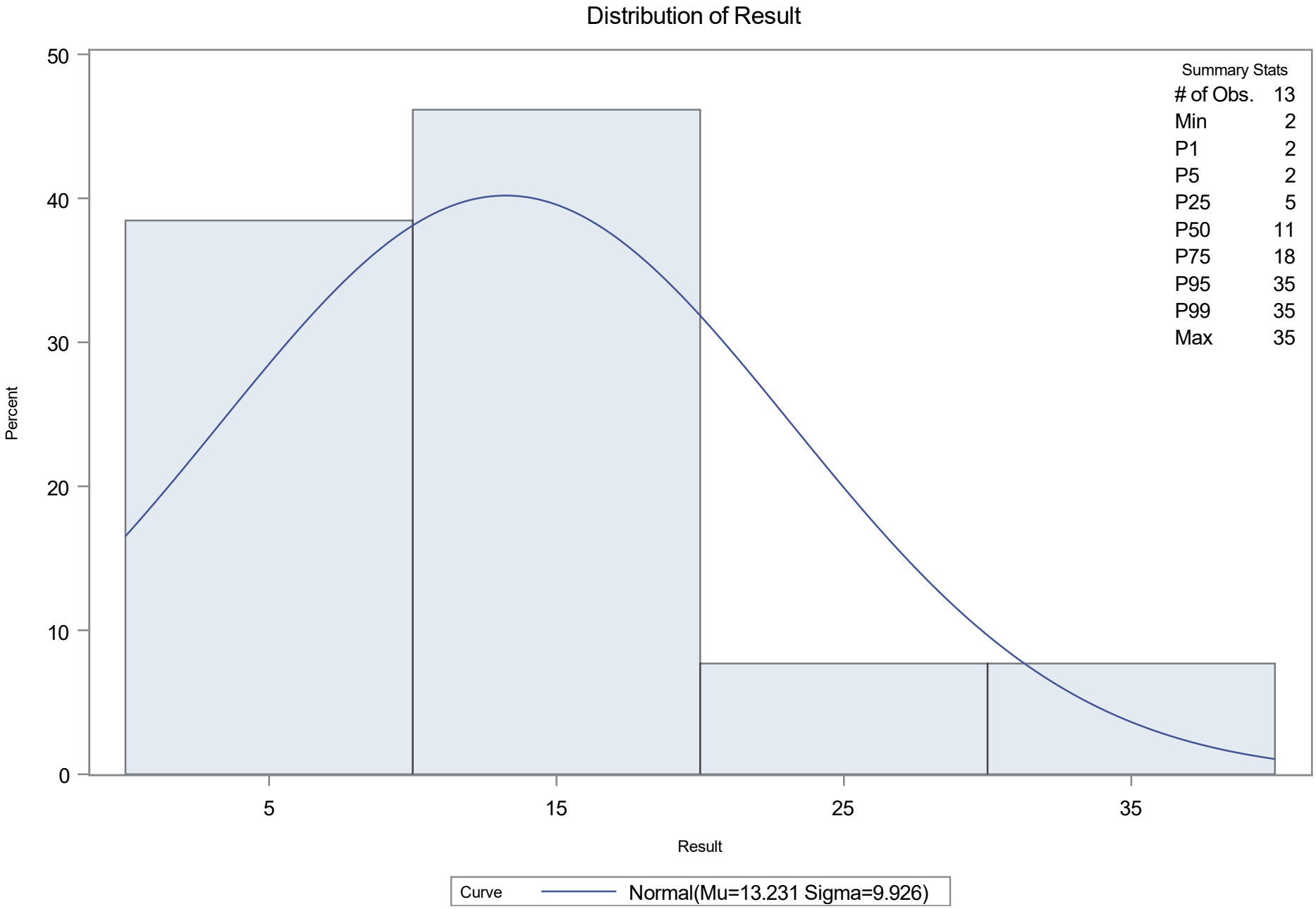
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 266
Result
140
120
100
80
60
40
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270
Result
30
20
10
0
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.23077
Std Dev	Sigma	9.926008

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16472475	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06861672	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.46298665	**Pr > A-Sq**	0.222

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-9.86058
5.0	2.00000	-3.09606
10.0	4.00000	0.51008
25.0	5.00000	6.53578
50.0	11.00000	13.23077
75.0	18.00000	19.92576
90.0	28.00000	25.95146
95.0	35.00000	29.55760
99.0	35.00000	36.32212

Period of Record: January 1996 through December 2023
Analysis Days Only

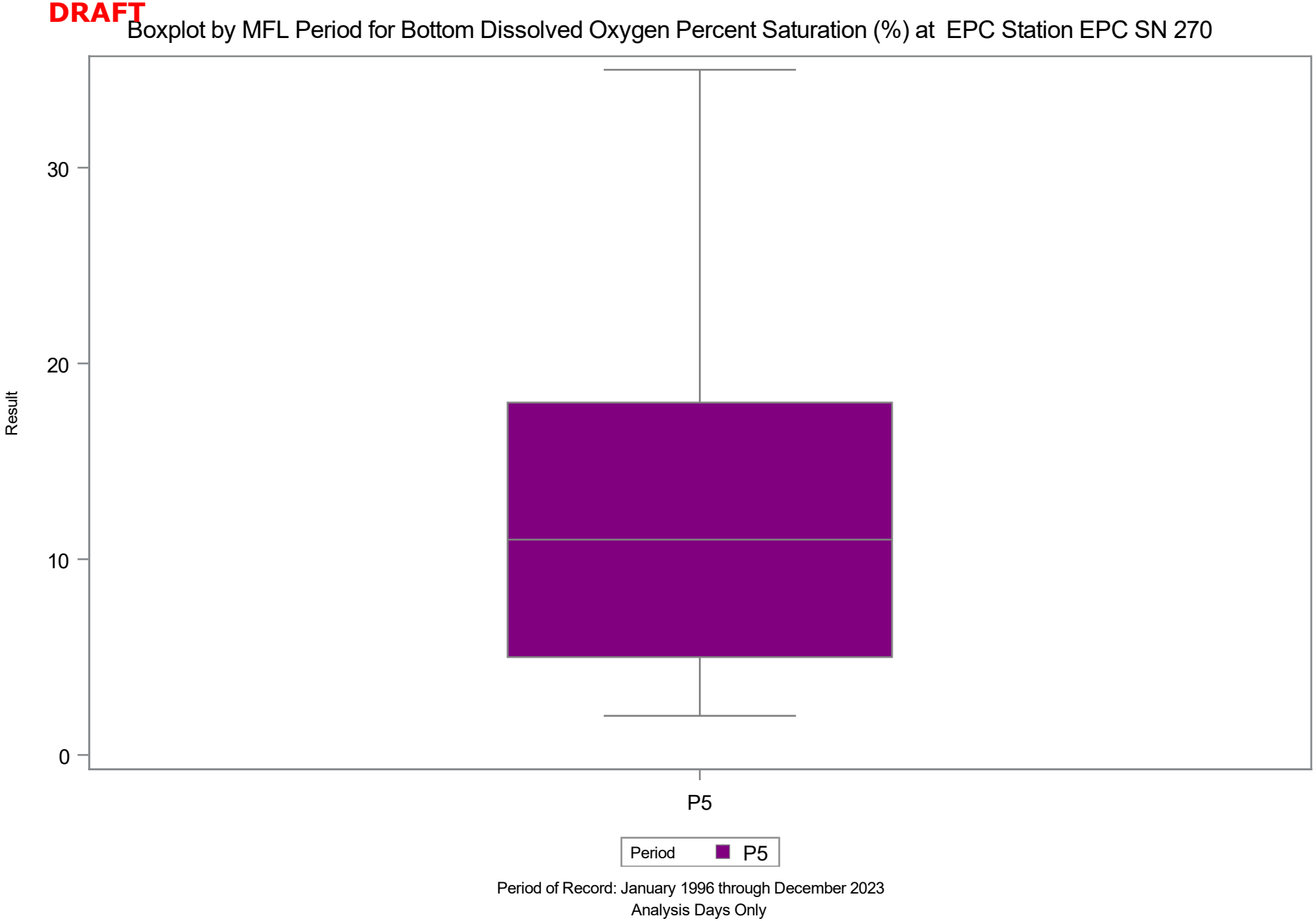
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270

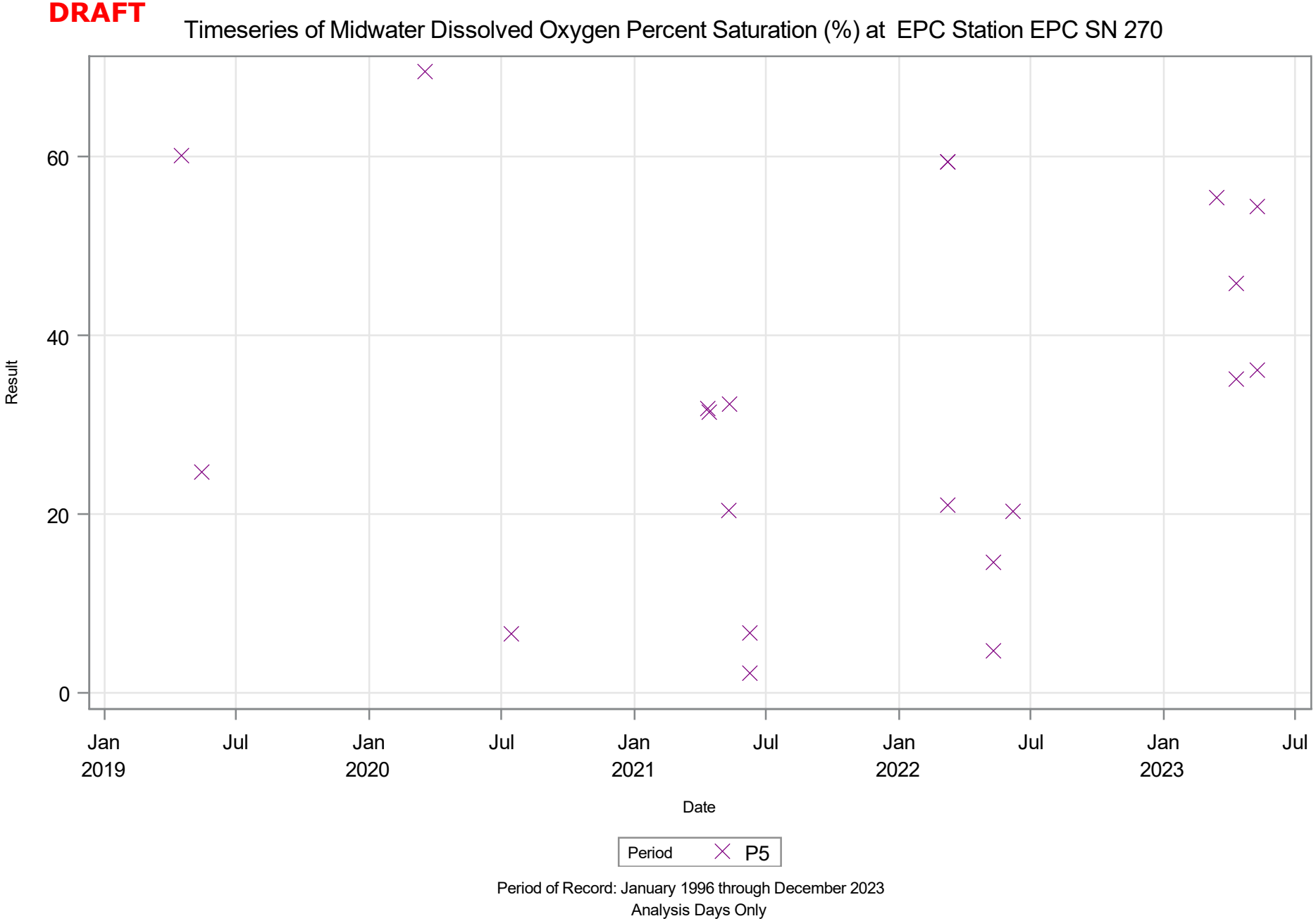
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	2.00	5.00	13.23	11.00	18.00	35.00

Period of Record: January 1996 through December 2023
Analysis Days Only

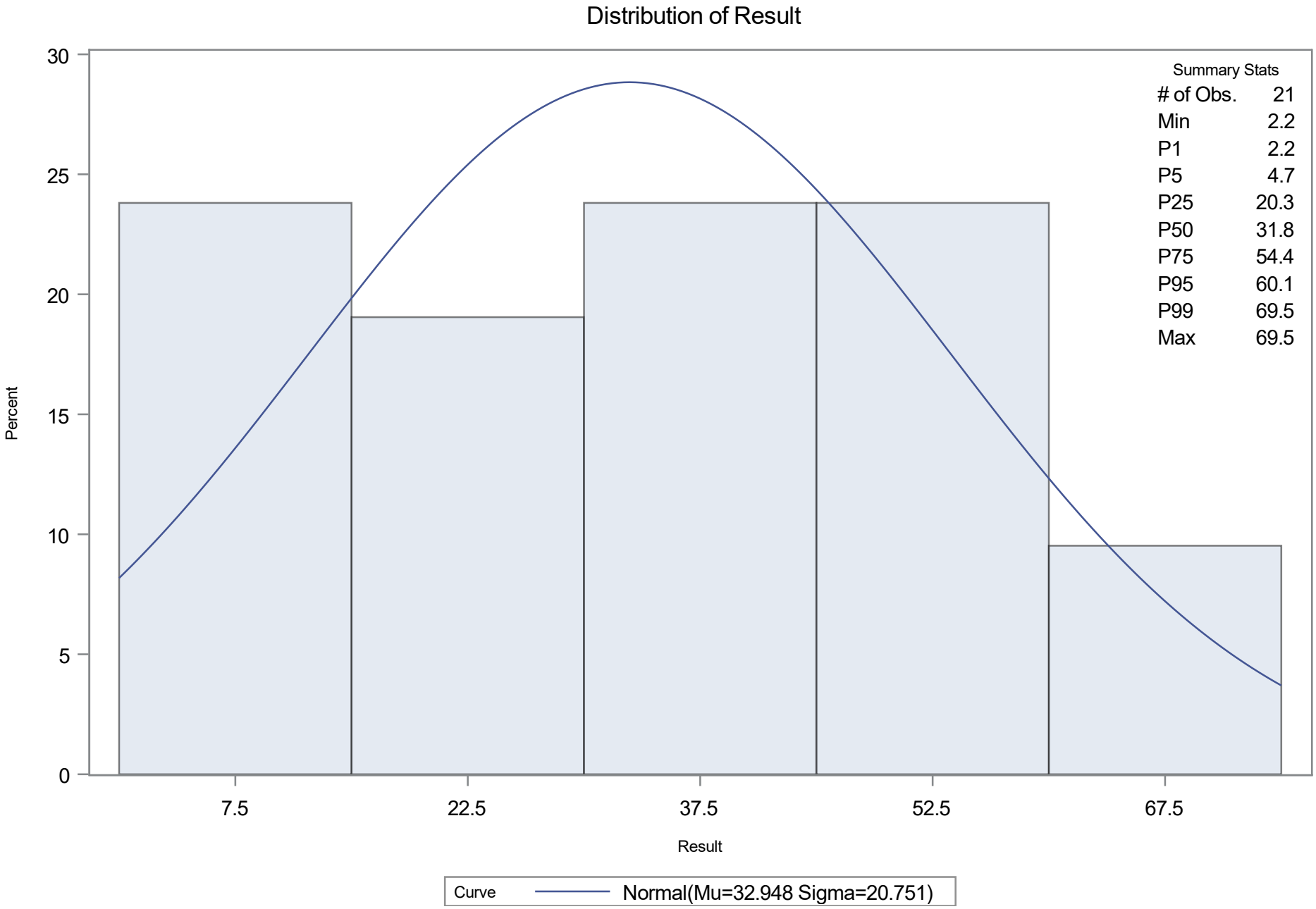
DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270
Result
30
20
10
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270
Result
60
40
20
0
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	32.94762
Std Dev	Sigma	20.75123

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13509672	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06105515	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.42884242	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.20000	-15.32696
5.0	4.70000	-1.18512
10.0	6.60000	6.35385
25.0	20.30000	18.95113
50.0	31.80000	32.94762
75.0	54.40000	46.94411
90.0	59.40000	59.54139
95.0	60.10000	67.08036
99.0	69.50000	81.22220

Period of Record: January 1996 through December 2023
Analysis Days Only

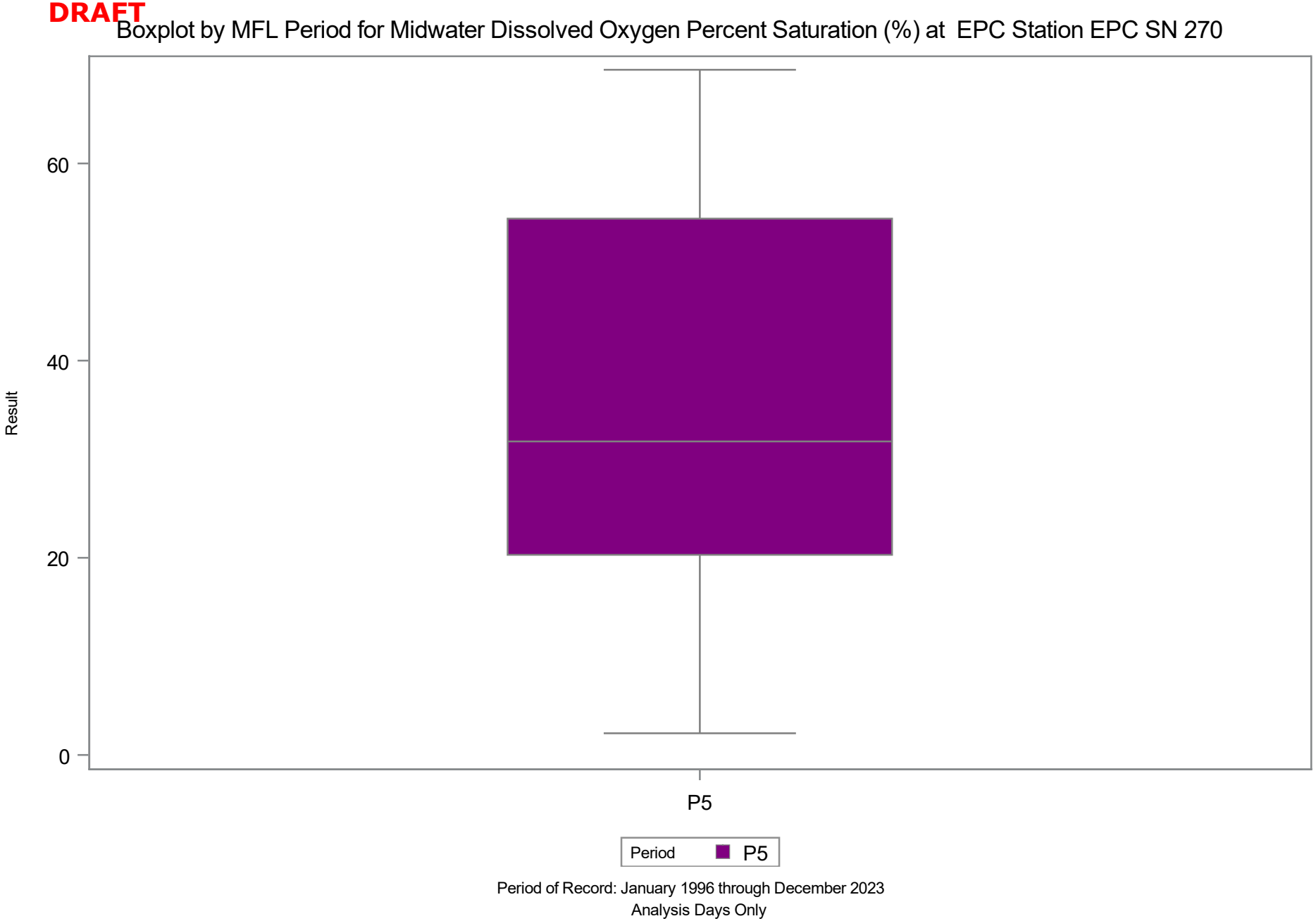
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270

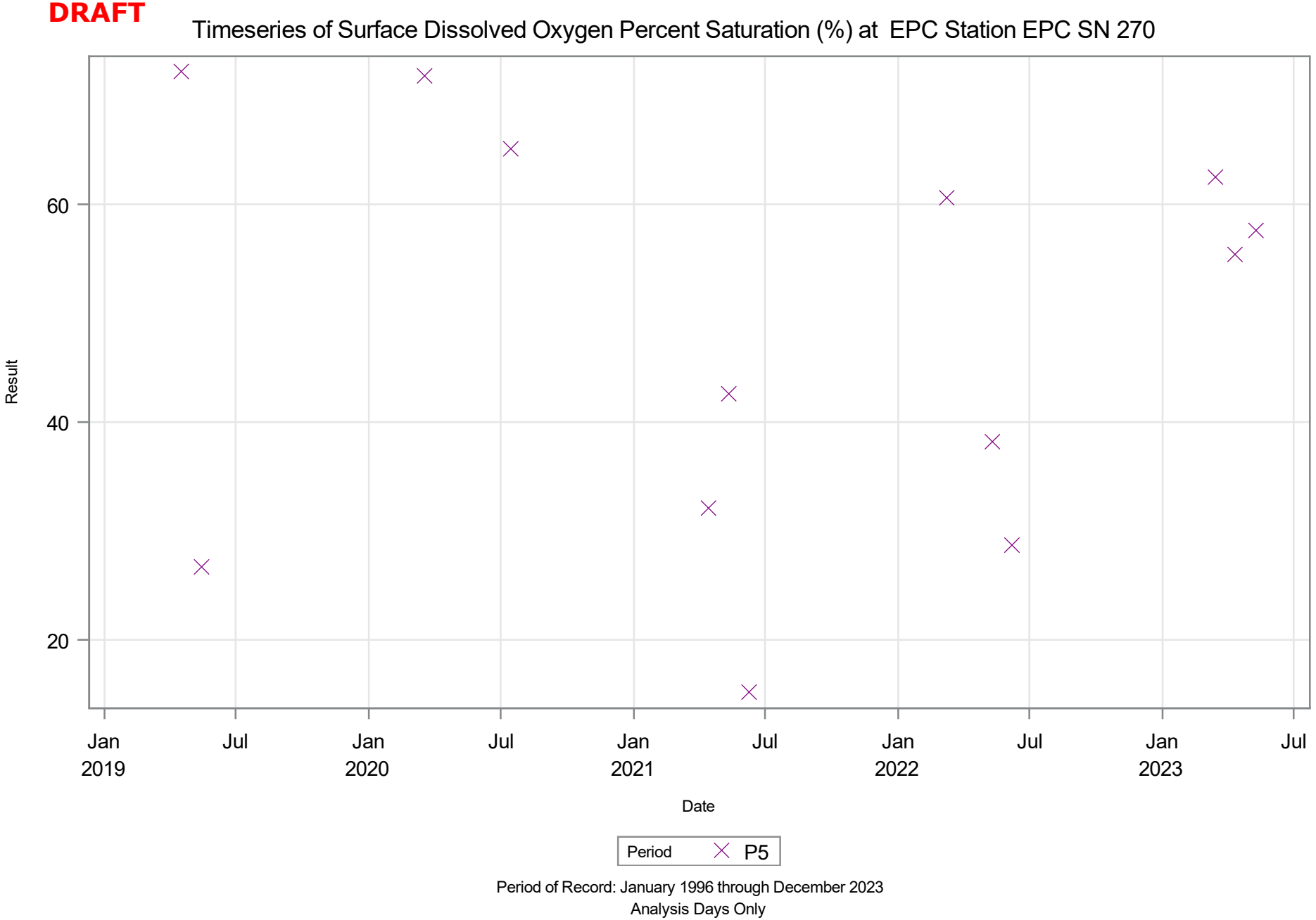
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	2.20	20.30	32.95	31.80	54.40	69.50

Period of Record: January 1996 through December 2023
Analysis Days Only

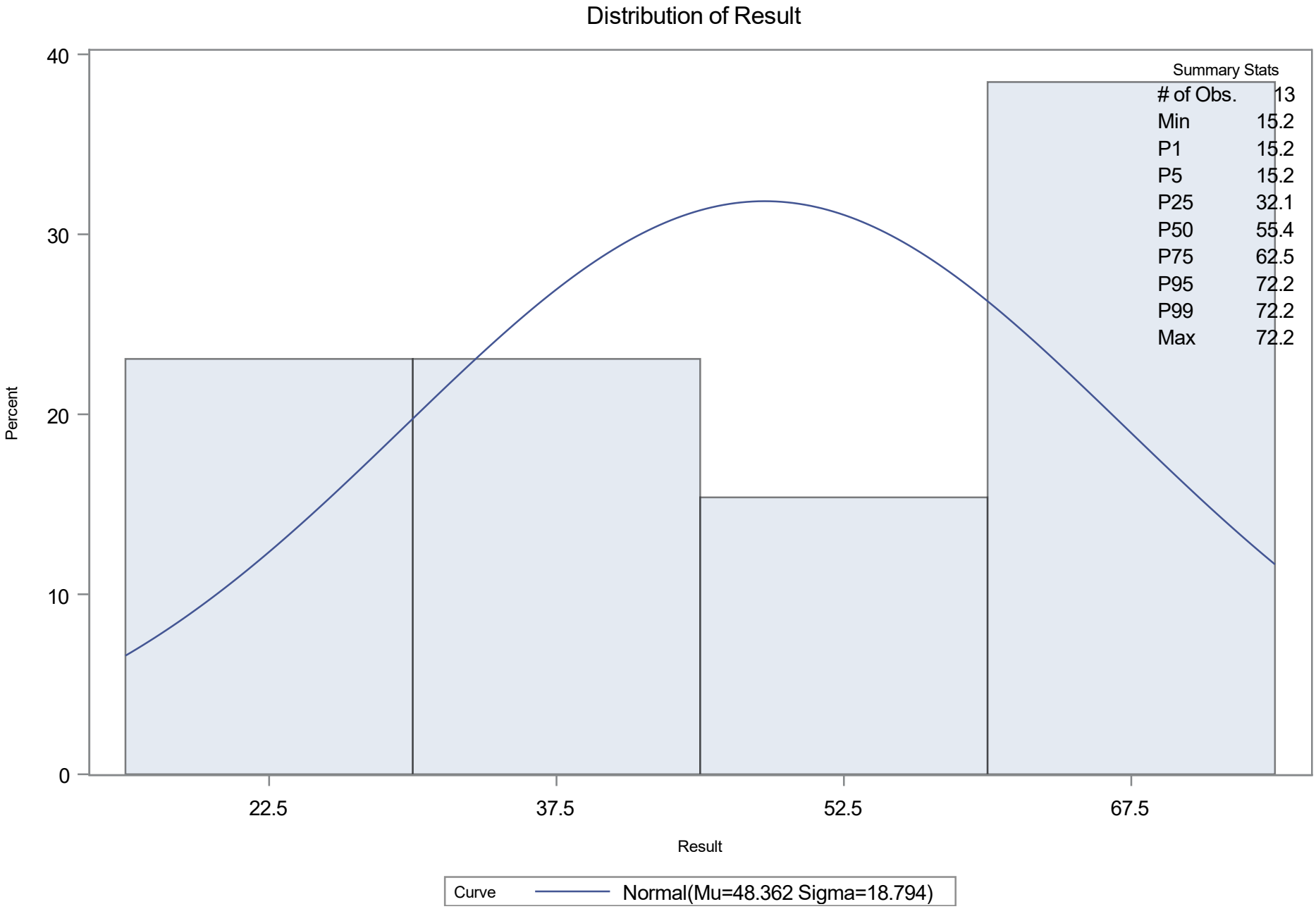
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270
Result
60
40
20
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270
Result
60
40
20
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	48.36154
Std Dev	Sigma	18.79439

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18444459	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06648733	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38288717	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.2000	4.63924
5.0	15.2000	17.44751
10.0	26.7000	24.27555
25.0	32.1000	35.68491
50.0	55.4000	48.36154
75.0	62.5000	61.03816
90.0	71.8000	72.44752
95.0	72.2000	79.27556
99.0	72.2000	92.08384

Period of Record: January 1996 through December 2023
Analysis Days Only

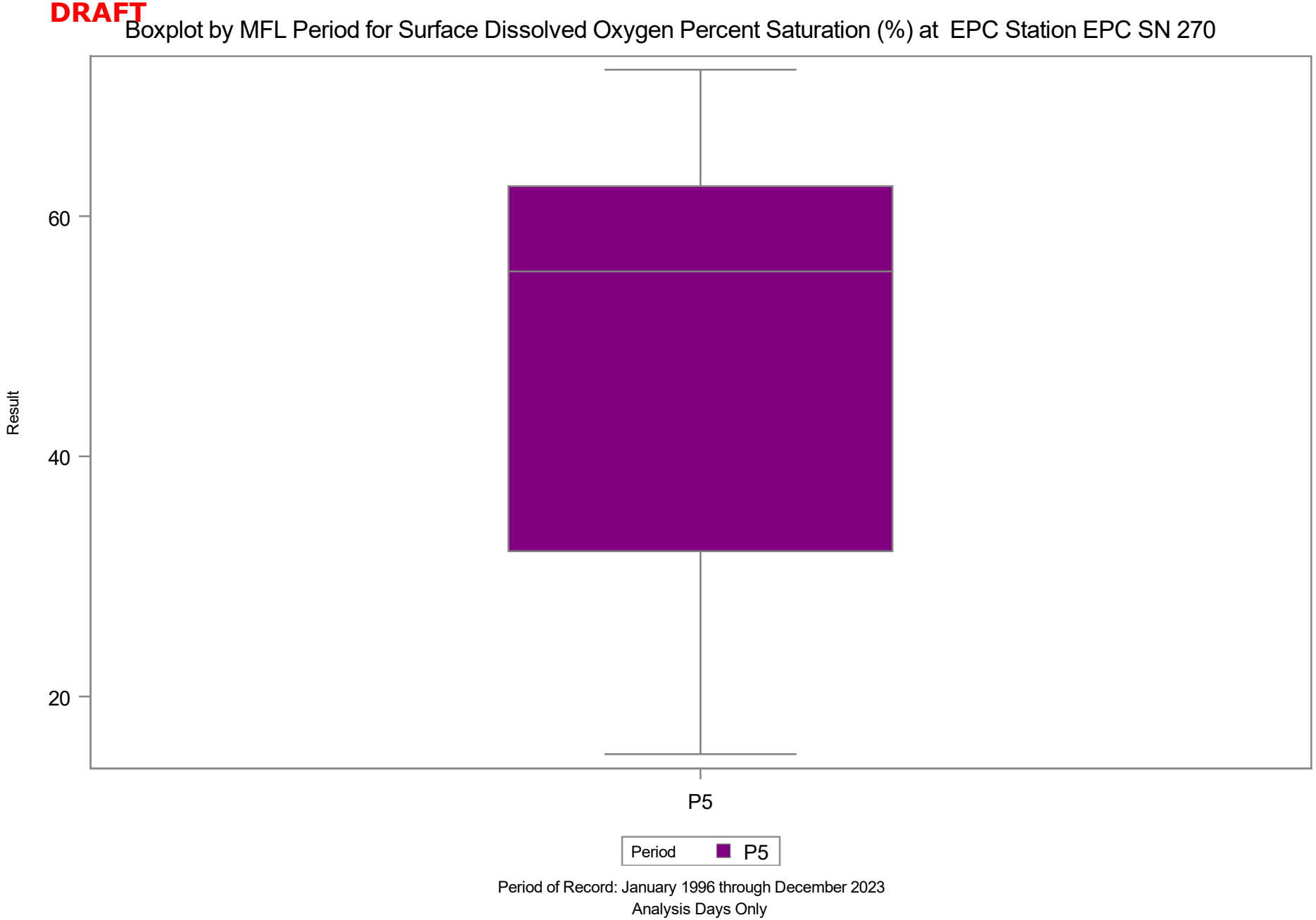
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270

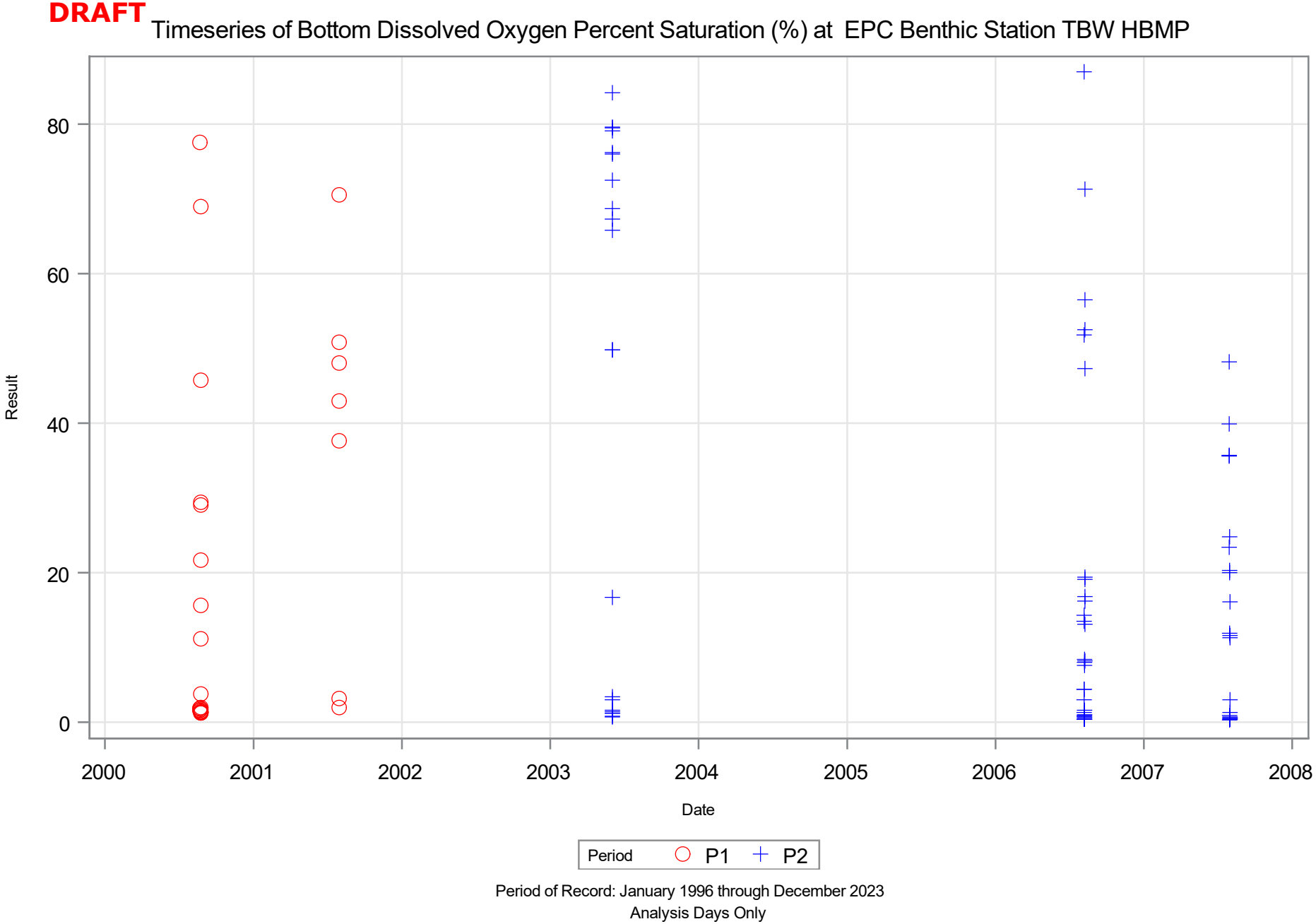
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	15.20	32.10	48.36	55.40	62.50	72.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

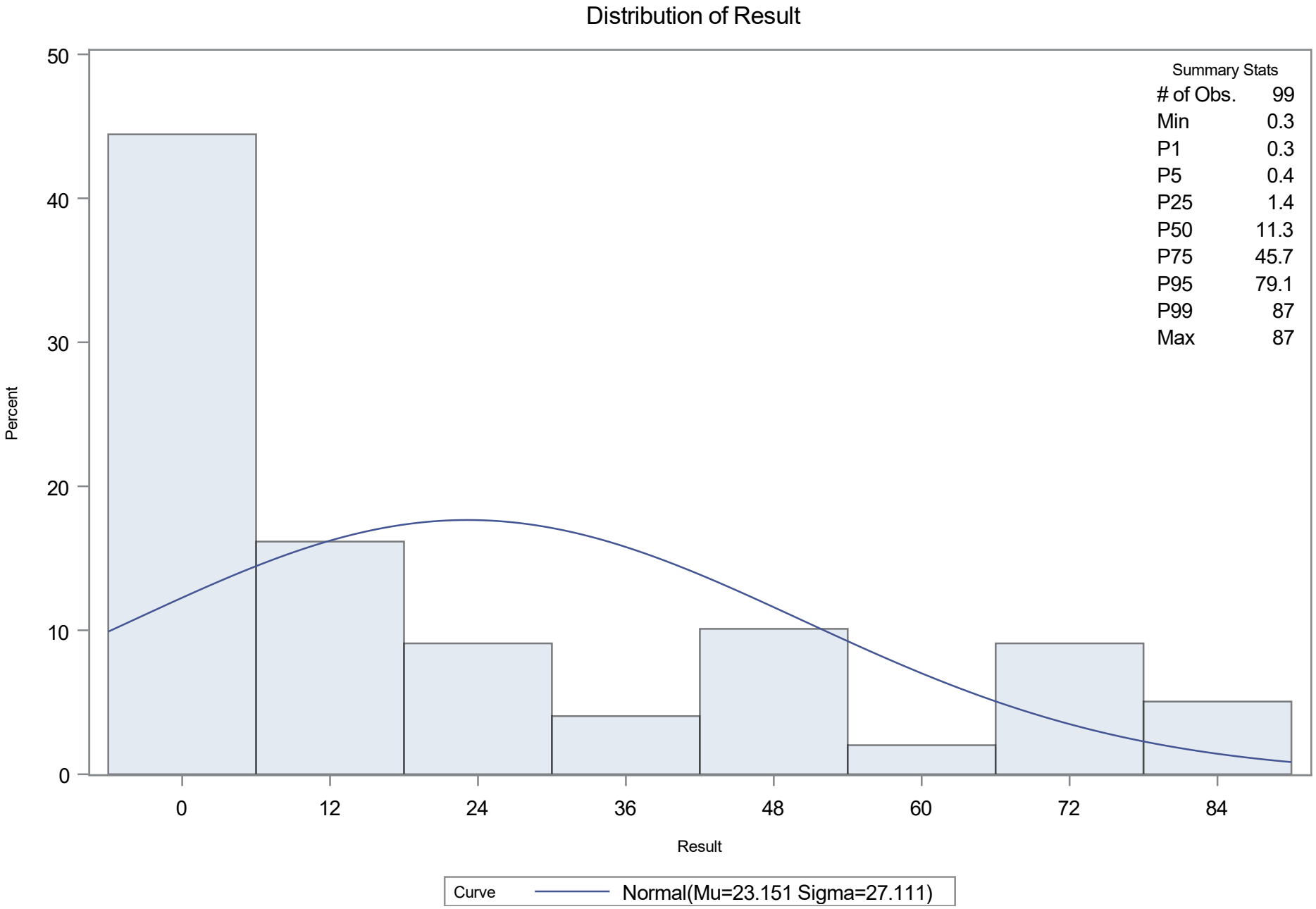

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Station EPC SN 270
Result
60
40
20
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP
Result
0
20
40
60
80
2000
2001
2002
2003
2004
2005
2006
2007
2008
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.15051
Std Dev	Sigma	27.1107

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19985882	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.39844569	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.99101433	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-39.91841
5.0	0.40000	-21.44262
10.0	0.70000	-11.59325
25.0	1.40000	4.86462
50.0	11.30000	23.15051
75.0	45.70000	41.43639
90.0	71.30000	57.89426
95.0	79.10000	67.74363
99.0	87.00000	86.21942

Period of Record: January 1996 through December 2023
Analysis Days Only

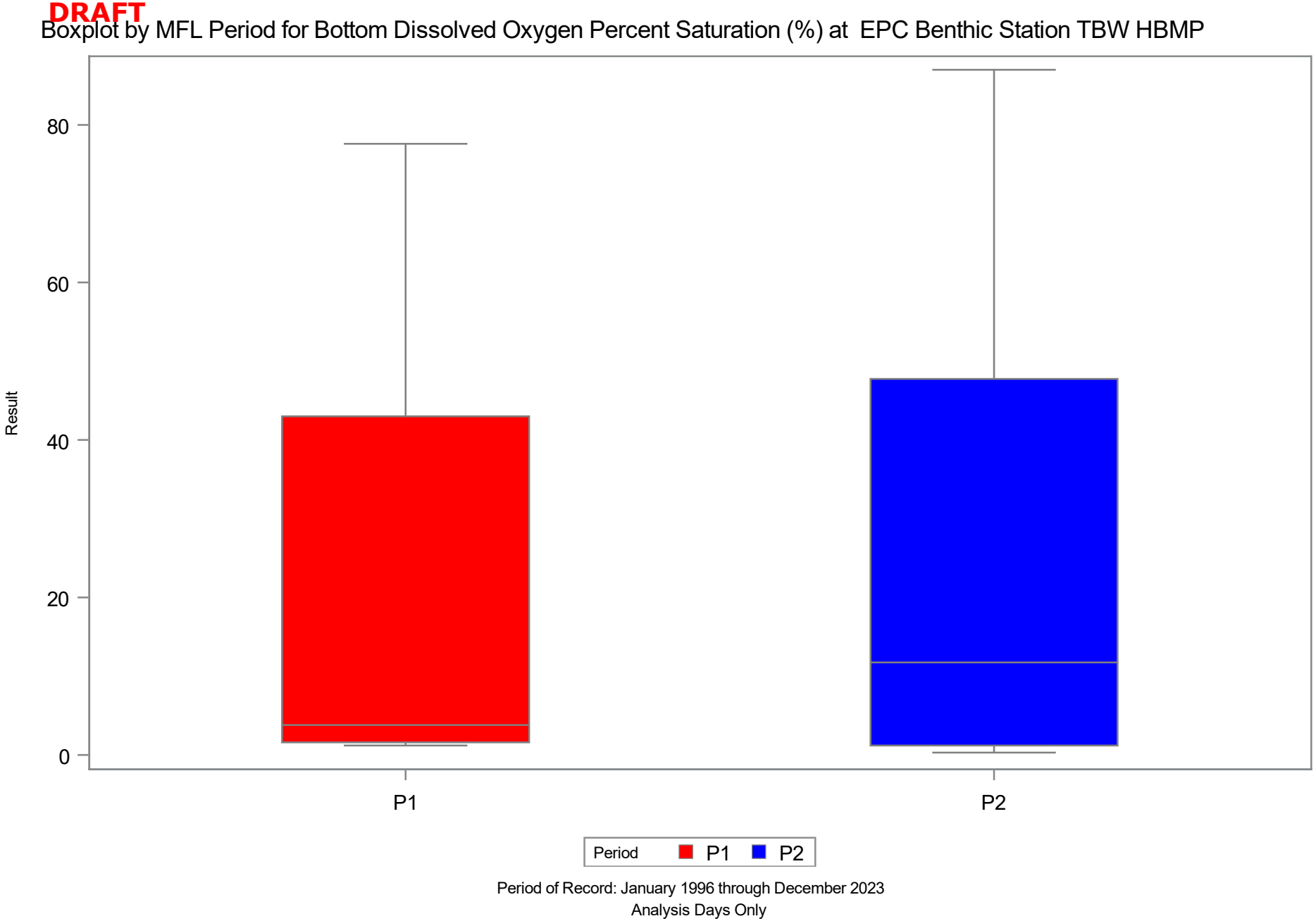
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	1.20	1.60	21.32	3.80	43.00	77.60
P2	72	0.30	1.20	23.84	11.75	47.75	87.00

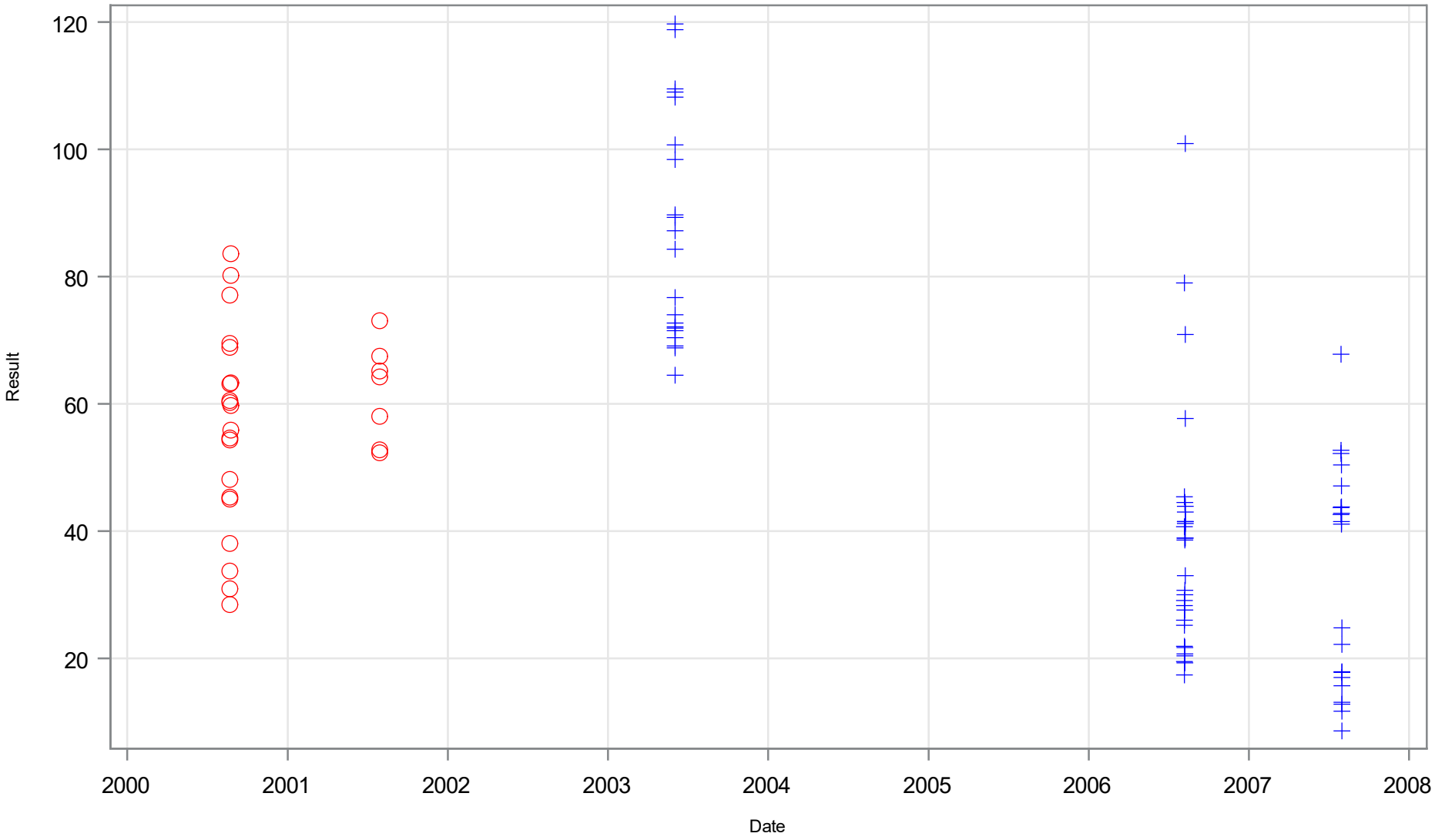
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP
Result
80
60
40
20
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

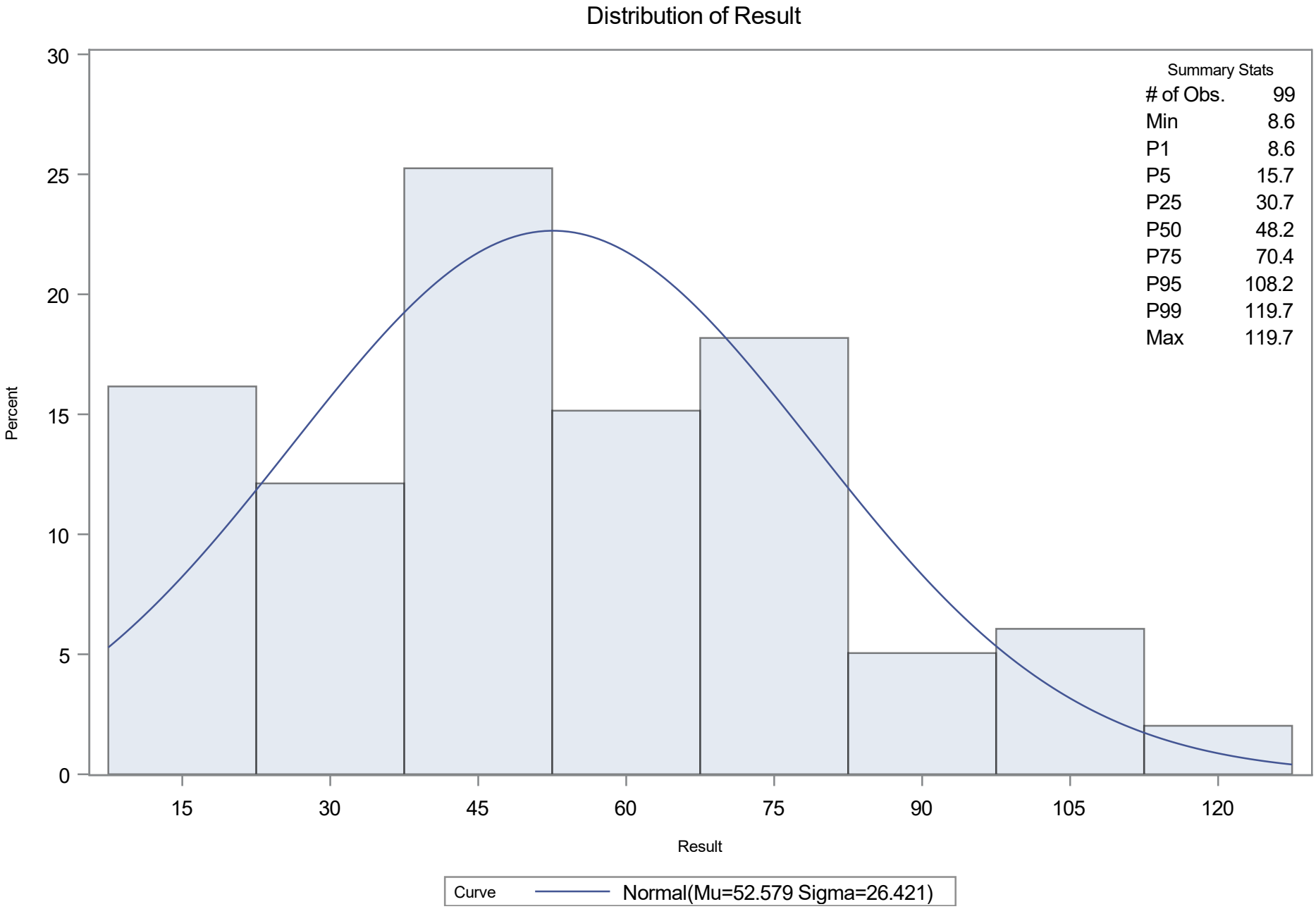
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	52.57879
Std Dev	Sigma	26.42126

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09192404	**Pr > D**	0.039
Cramer-von Mises	**W-Sq**	0.10416685	**Pr > W-Sq**	0.098
Anderson-Darling	**A-Sq**	0.77929080	**Pr > A-Sq**	0.043

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8.60000	-8.88626
5.0	15.70000	9.11968
10.0	19.30000	18.71858
25.0	30.70000	34.75792
50.0	48.20000	52.57879
75.0	70.40000	70.39966
90.0	89.30000	86.43900
95.0	108.20000	96.03790
99.0	119.70000	114.04384

Period of Record: January 1996 through December 2023
Analysis Days Only

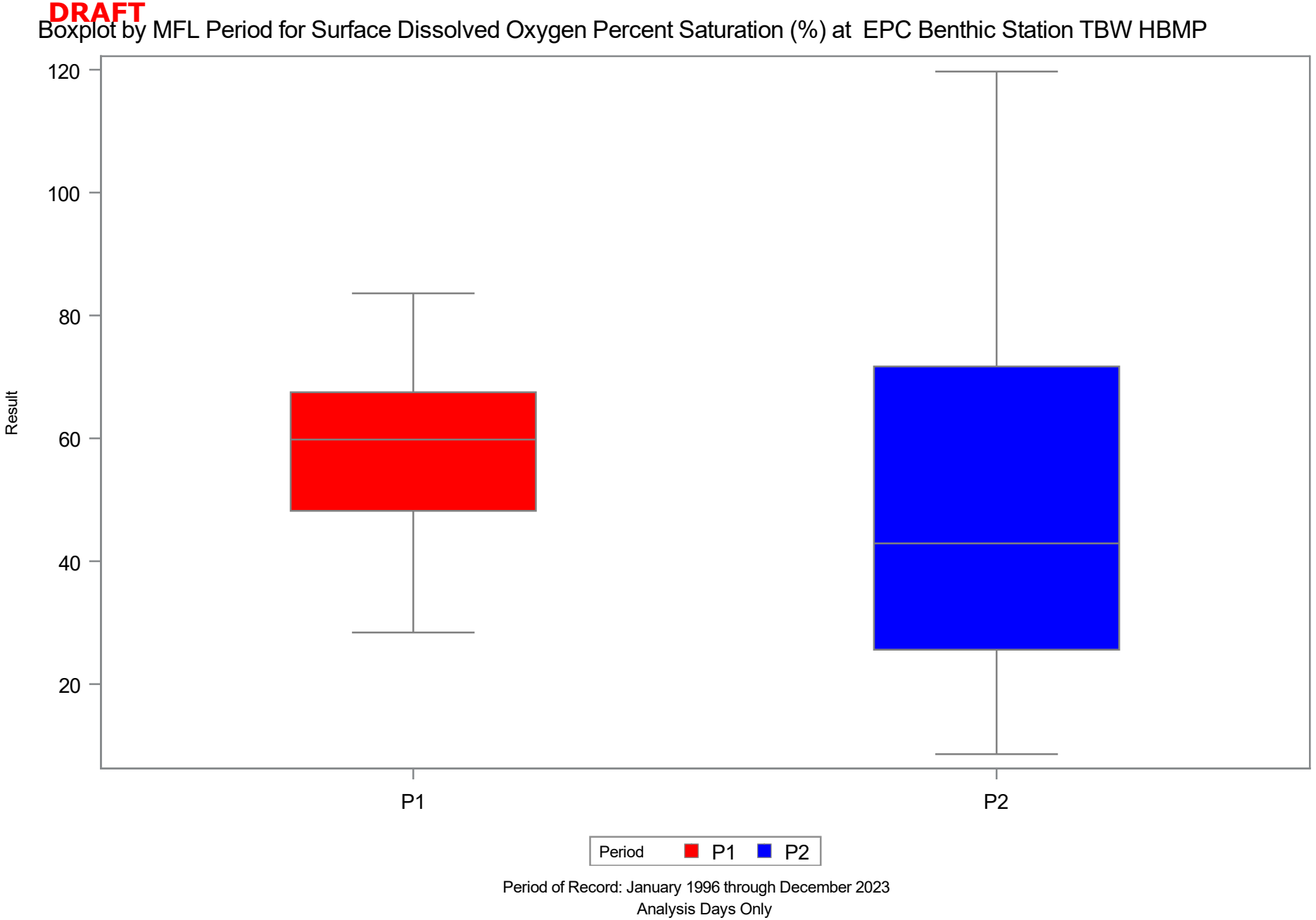
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	28.40	48.20	57.56	59.80	67.50	83.60
P2	72	8.60	25.60	50.71	42.90	71.70	119.70

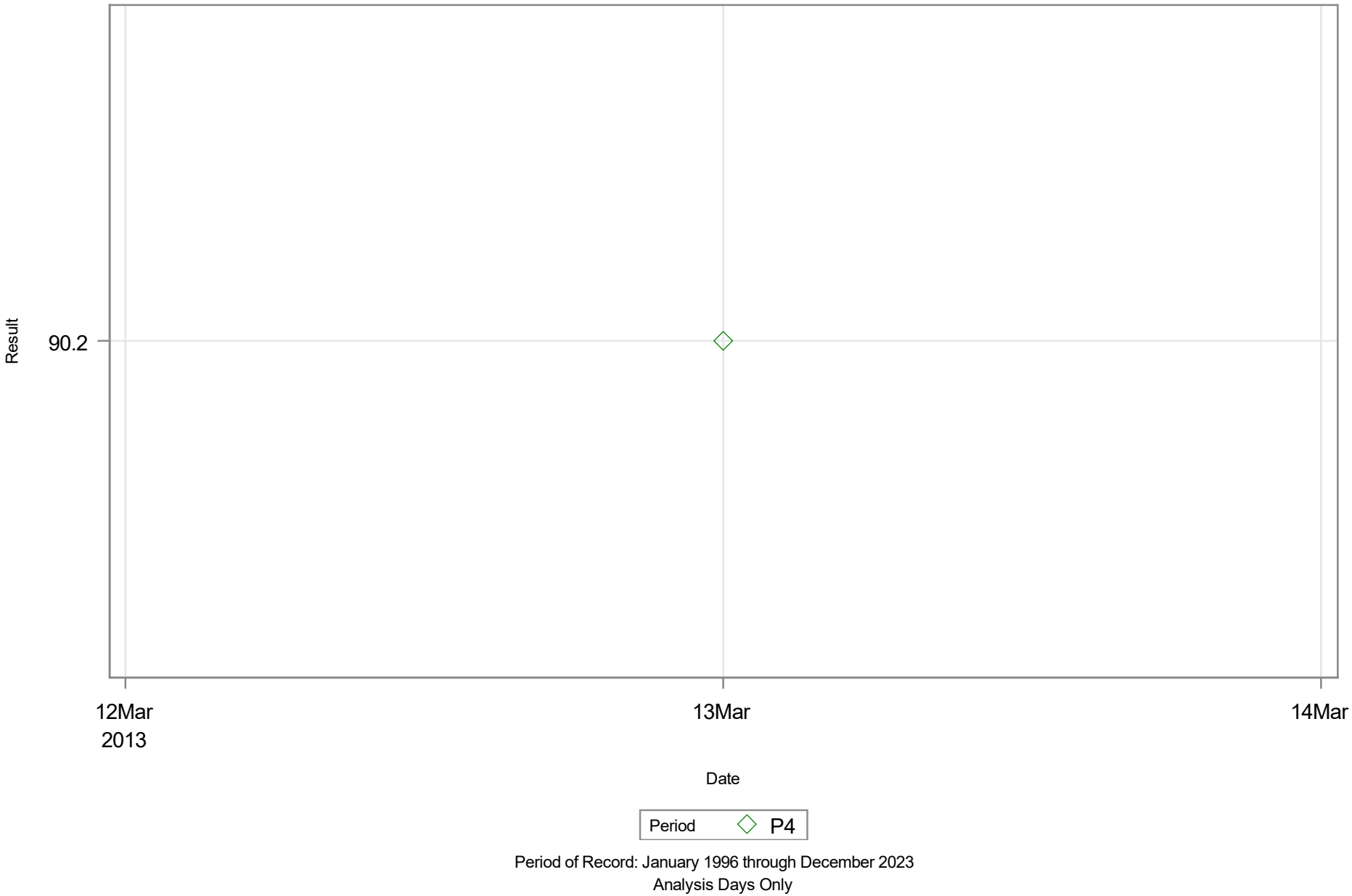
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at EPC Benthic Station TBW HBMP
120
100
80
60
40
20
Result
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

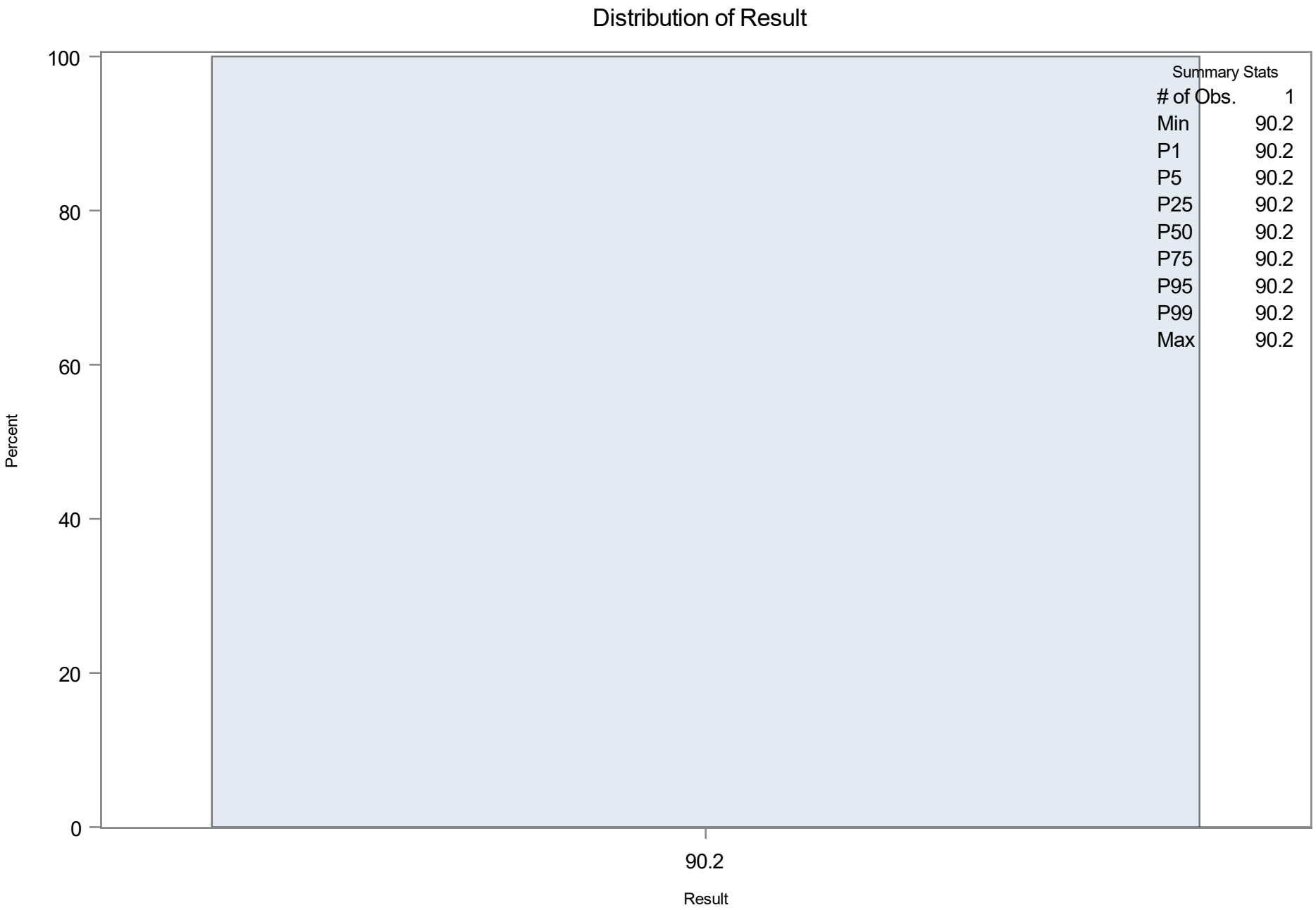
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 28100



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 28100



Period of Record: January 1996 through December 2023
Analysis Days Only

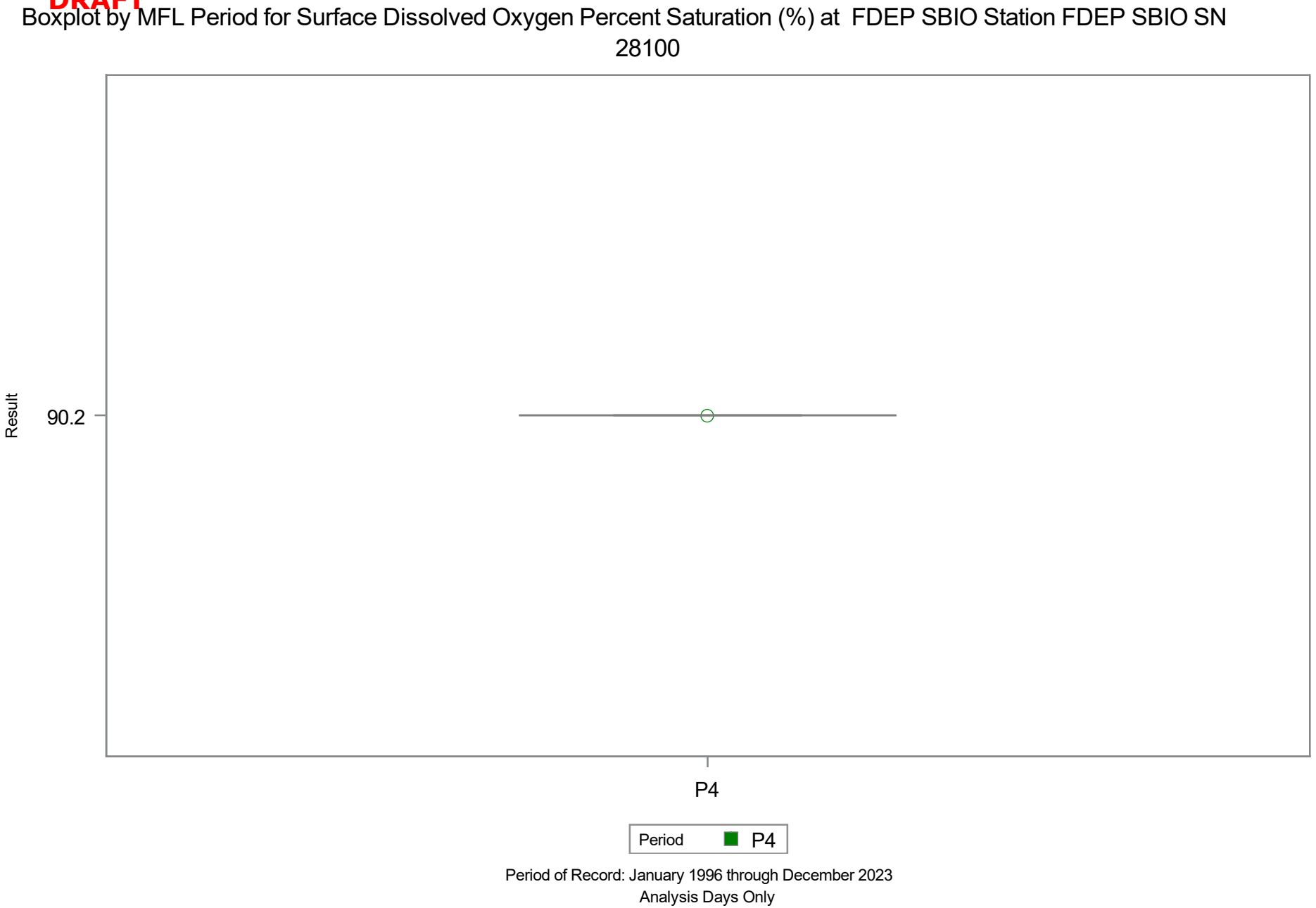
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 28100

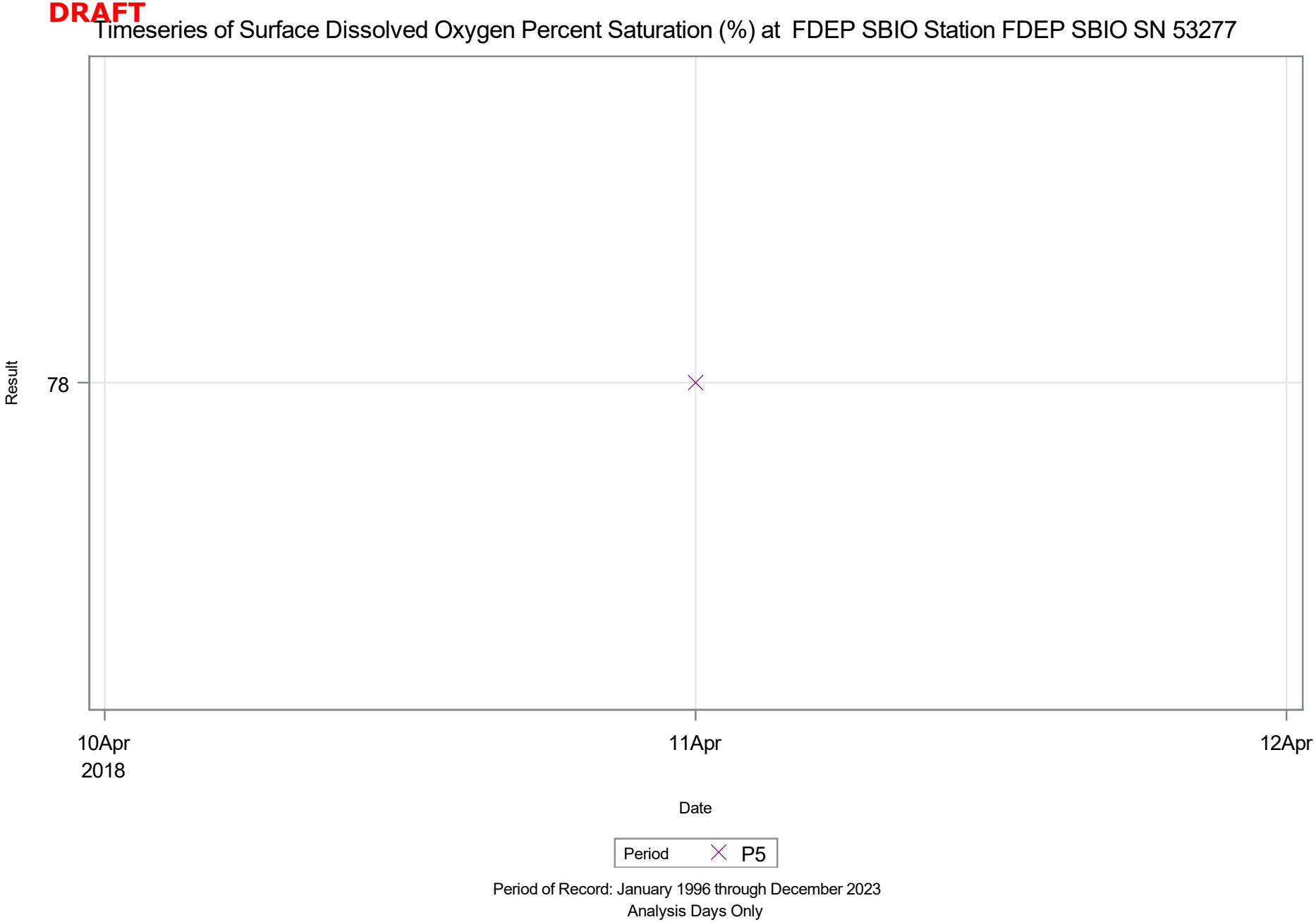
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	1	90.20	90.20	90.20	90.20	90.20	90.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

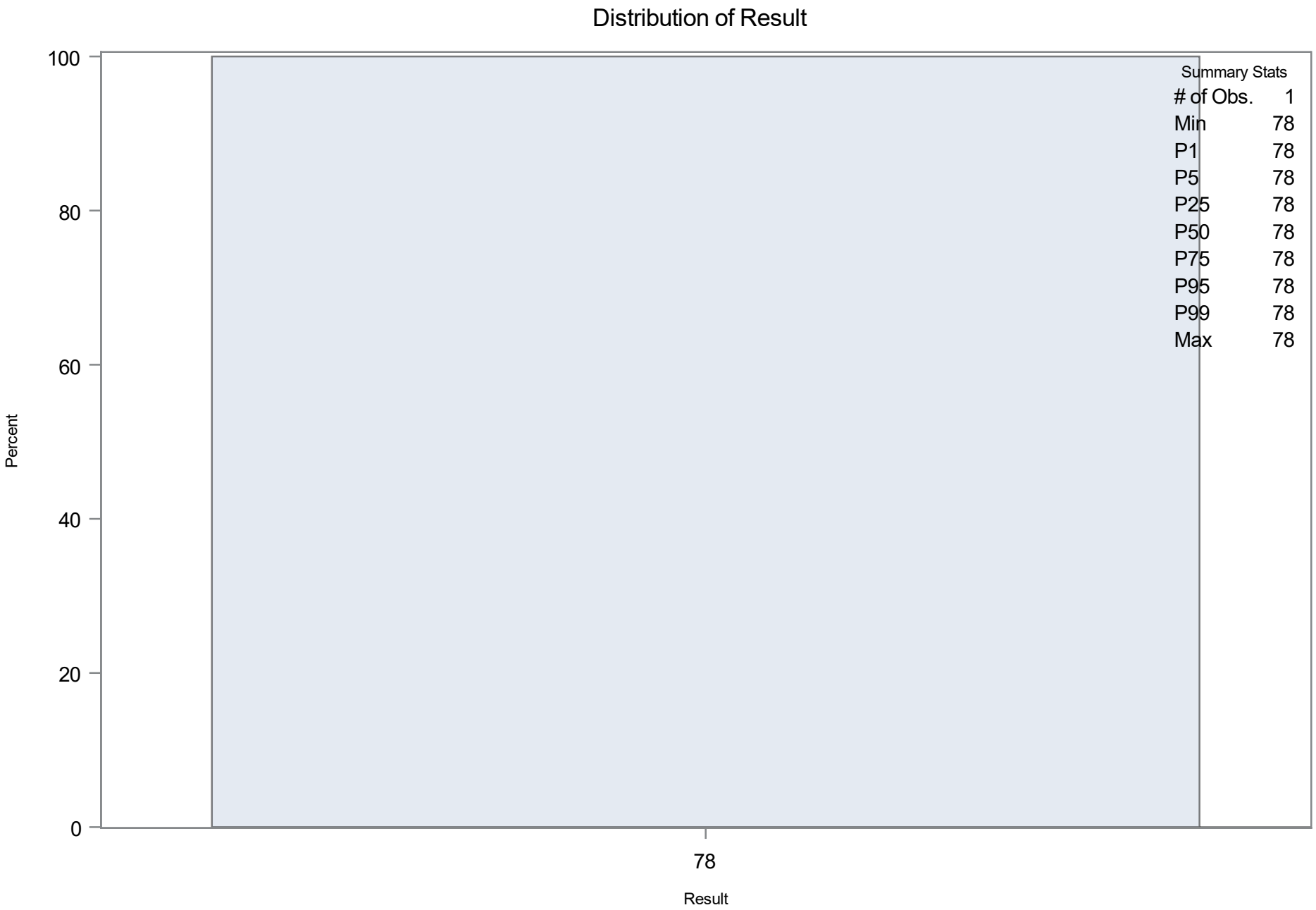

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 28100
Result
90.2
P4
Period
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 53277
Result
78
10Apr
2018
11Apr
12Apr
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 53277



Period of Record: January 1996 through December 2023
Analysis Days Only

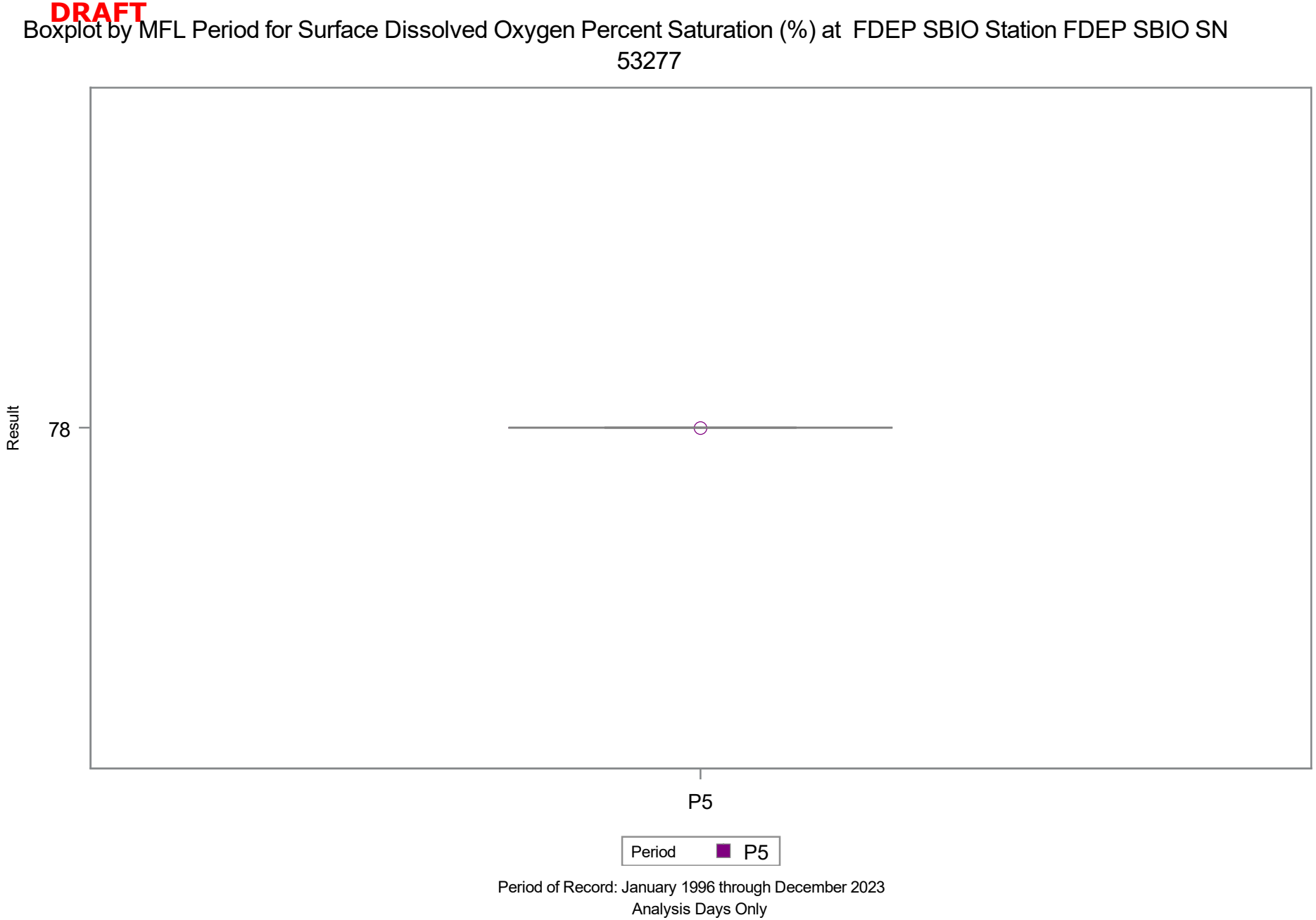
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 53277

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	78.00	78.00	78.00	78.00	78.00	78.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at FDEP SBIO Station FDEP SBIO SN 53277
Result
78
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

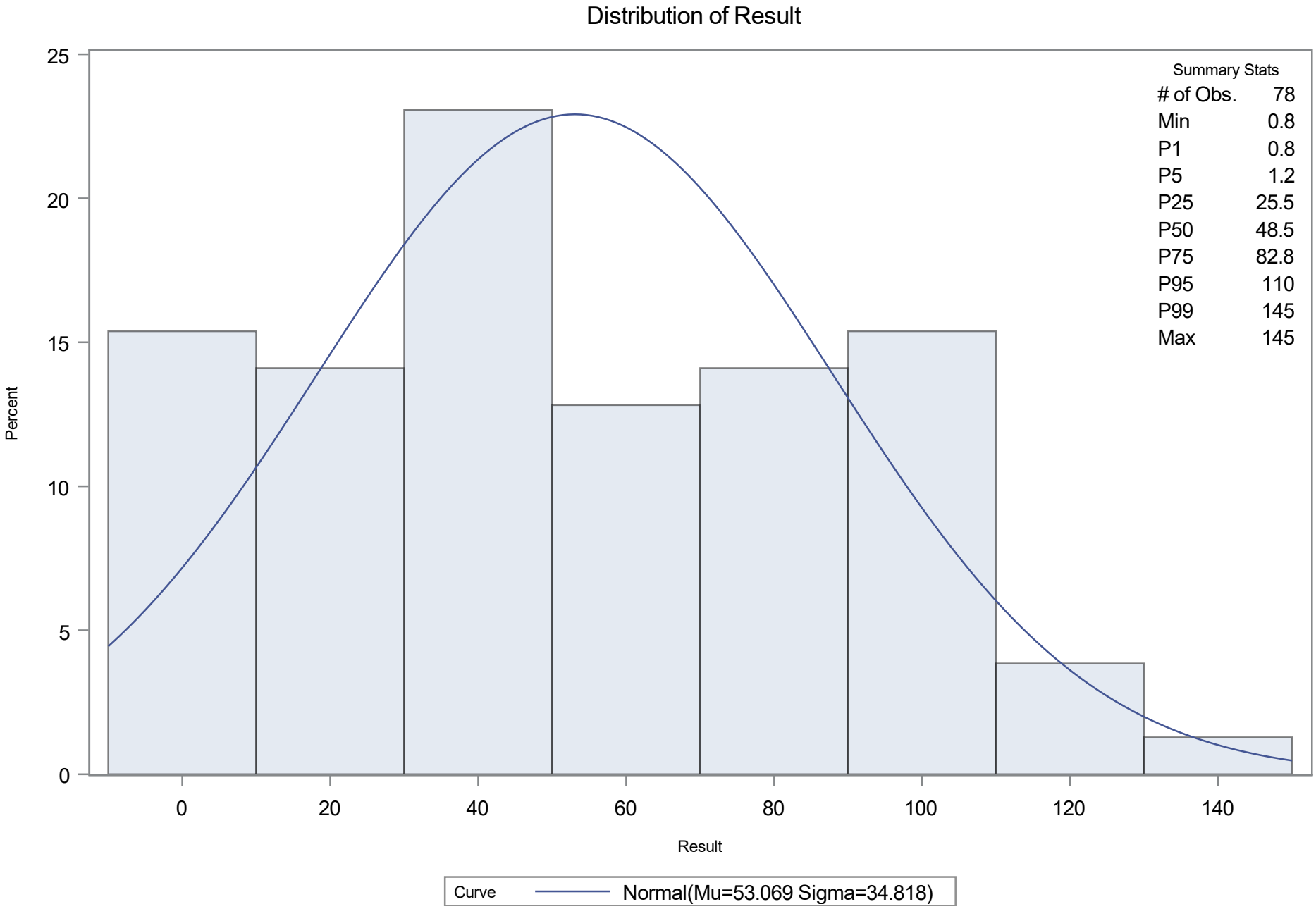
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	53.06923
Std Dev	Sigma	34.81797

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07609925	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10558013	**Pr > W-Sq**	0.095
Anderson-Darling	**A-Sq**	0.76704529	**Pr > A-Sq**	0.045

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.80000	-27.92948
5.0	1.20000	-4.20123
10.0	4.20000	8.44821
25.0	25.50000	29.58487
50.0	48.50000	53.06923
75.0	82.80000	76.55359
90.0	97.30000	97.69025
95.0	110.00000	110.33969
99.0	145.00000	134.06794

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

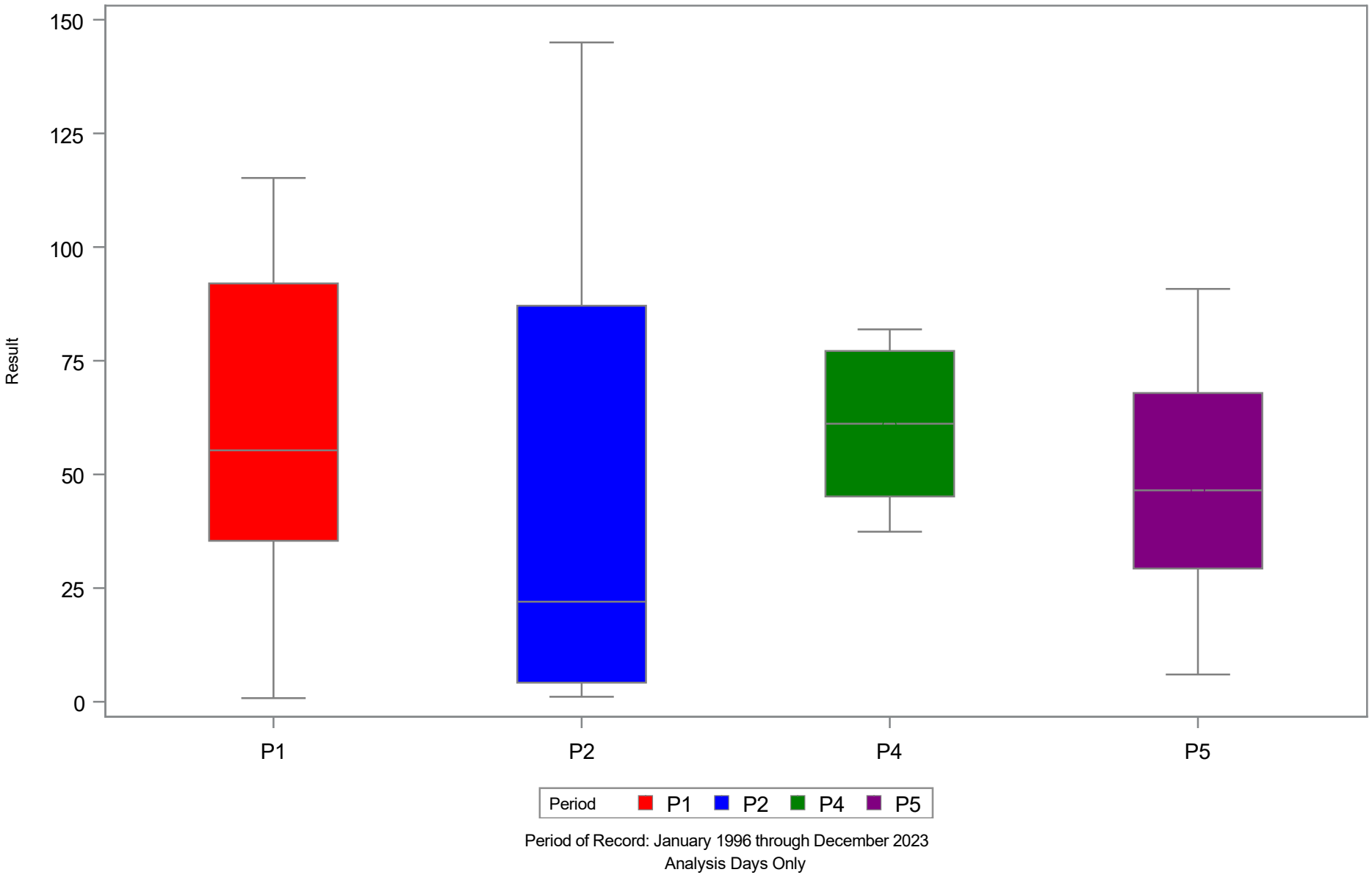
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	0.80	35.40	59.92	55.30	92.00	115.20
P2	15	1.10	4.20	39.96	22.00	87.10	145.00
P4	8	37.40	45.15	60.78	61.15	77.15	81.90
P5	18	6.00	29.30	46.49	46.50	67.90	90.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

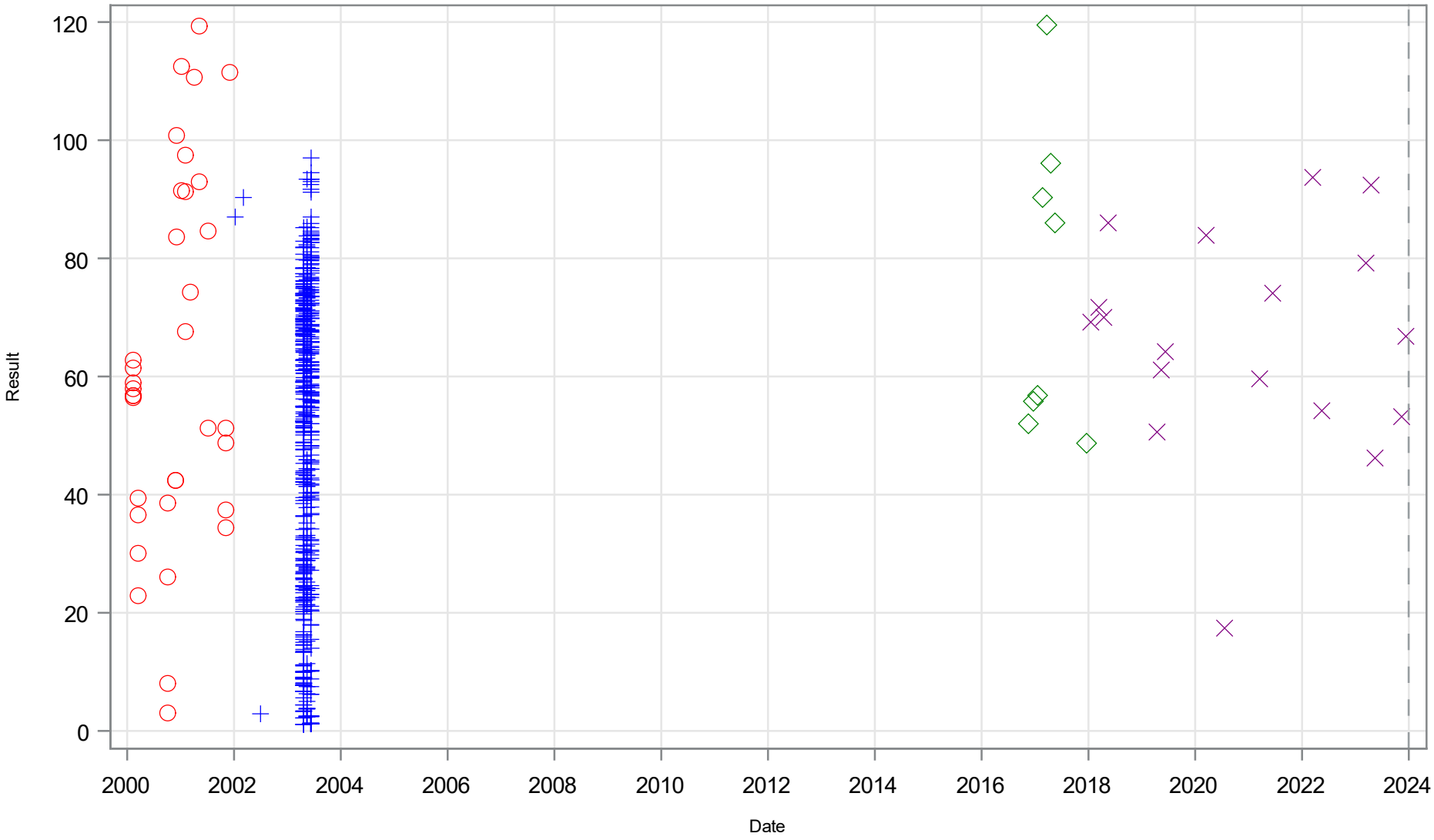
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

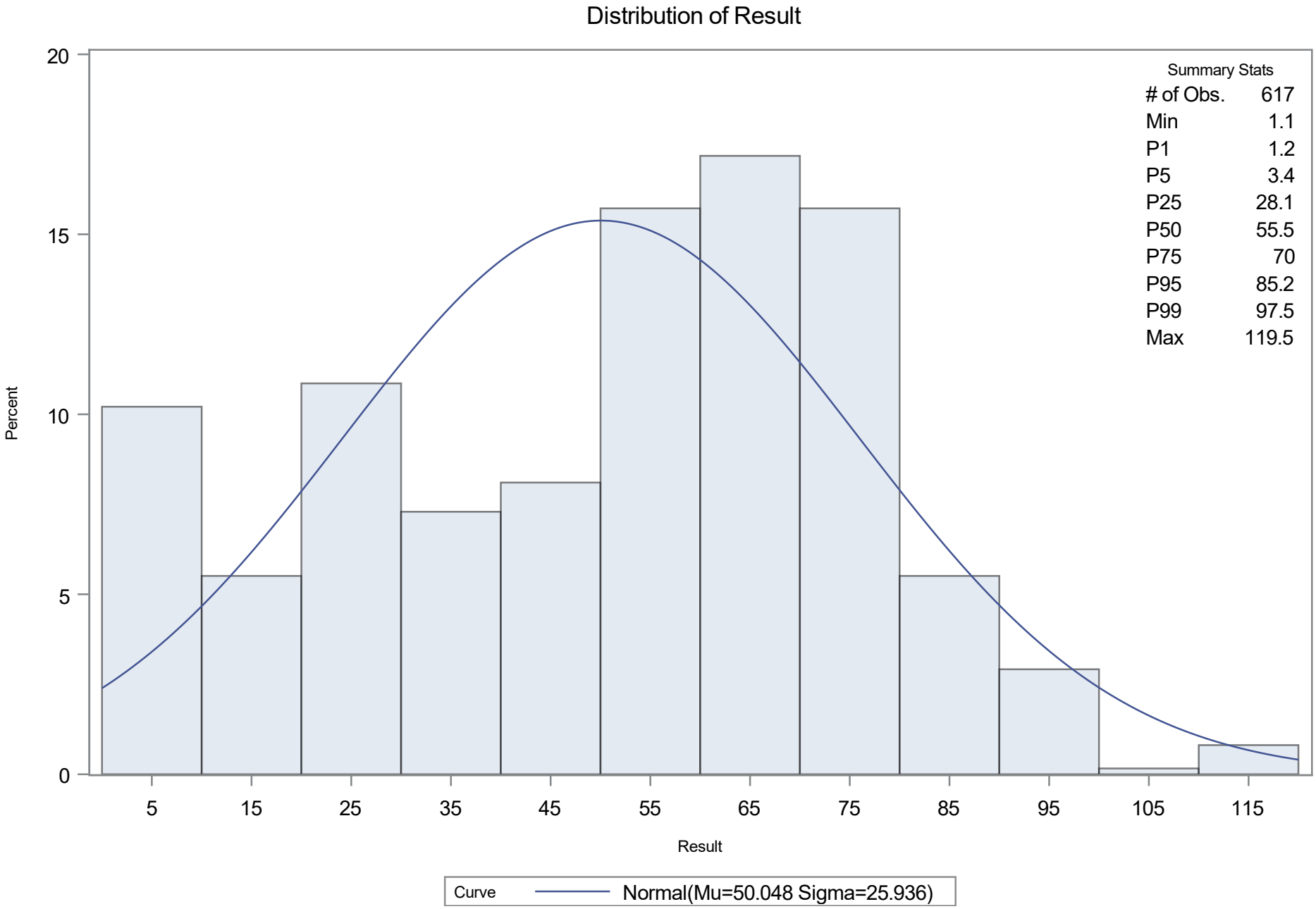
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	50.04765
Std Dev	Sigma	25.9364

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08532894	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.44282397	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.53023093	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.20000	-10.28944
5.0	3.40000	7.38607
10.0	9.10000	16.80882
25.0	28.10000	32.55381
50.0	55.50000	50.04765
75.0	70.00000	67.54149
90.0	79.60000	83.28648
95.0	85.20000	92.70923
99.0	97.50000	110.38474

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

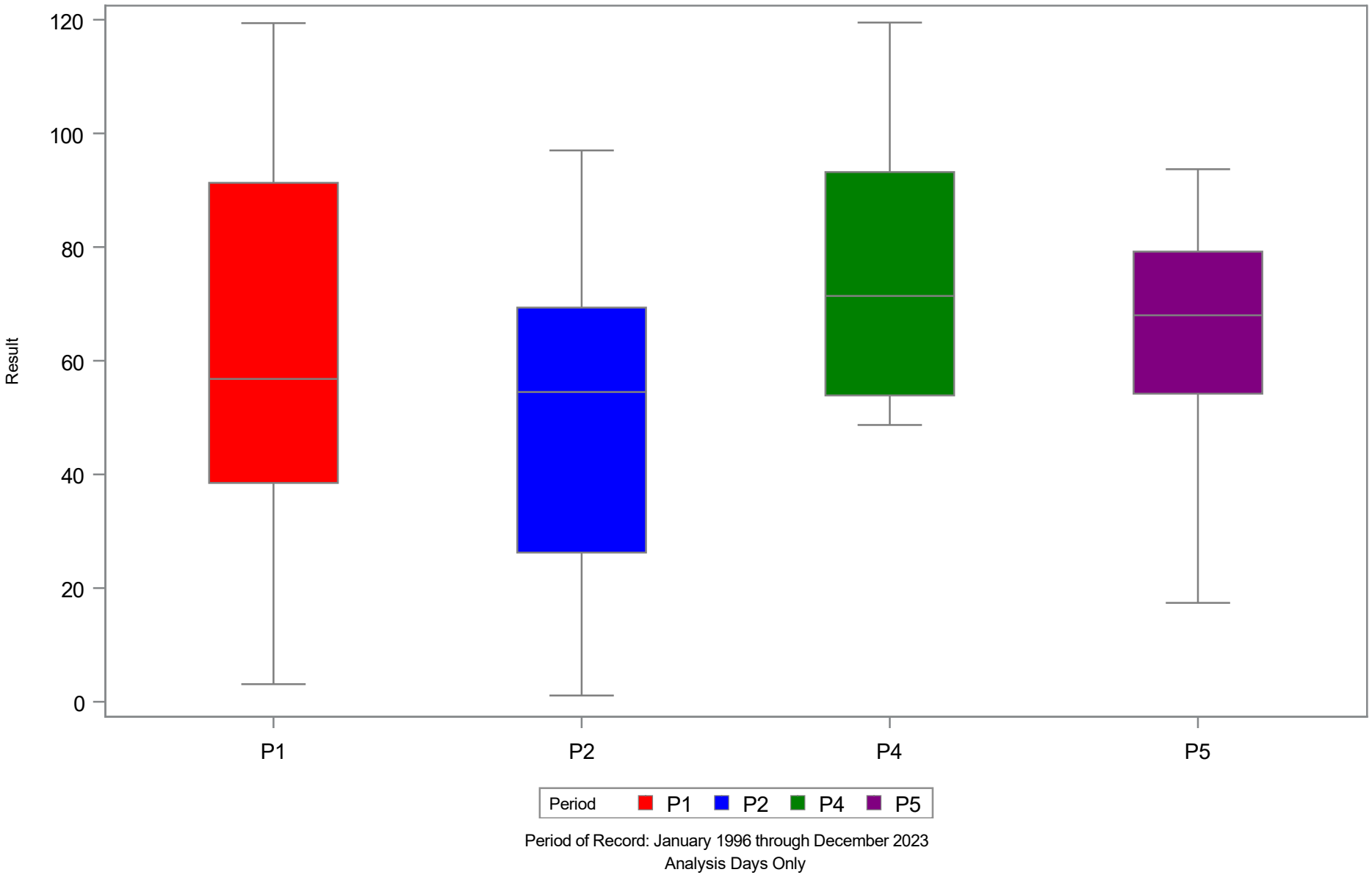
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	35	3.10	38.50	61.75	56.80	91.30	119.40
P2	556	1.10	26.25	48.42	54.50	69.35	97.00
P4	8	48.70	53.90	75.65	71.40	93.20	119.50
P5	18	17.40	54.20	66.31	68.00	79.20	93.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

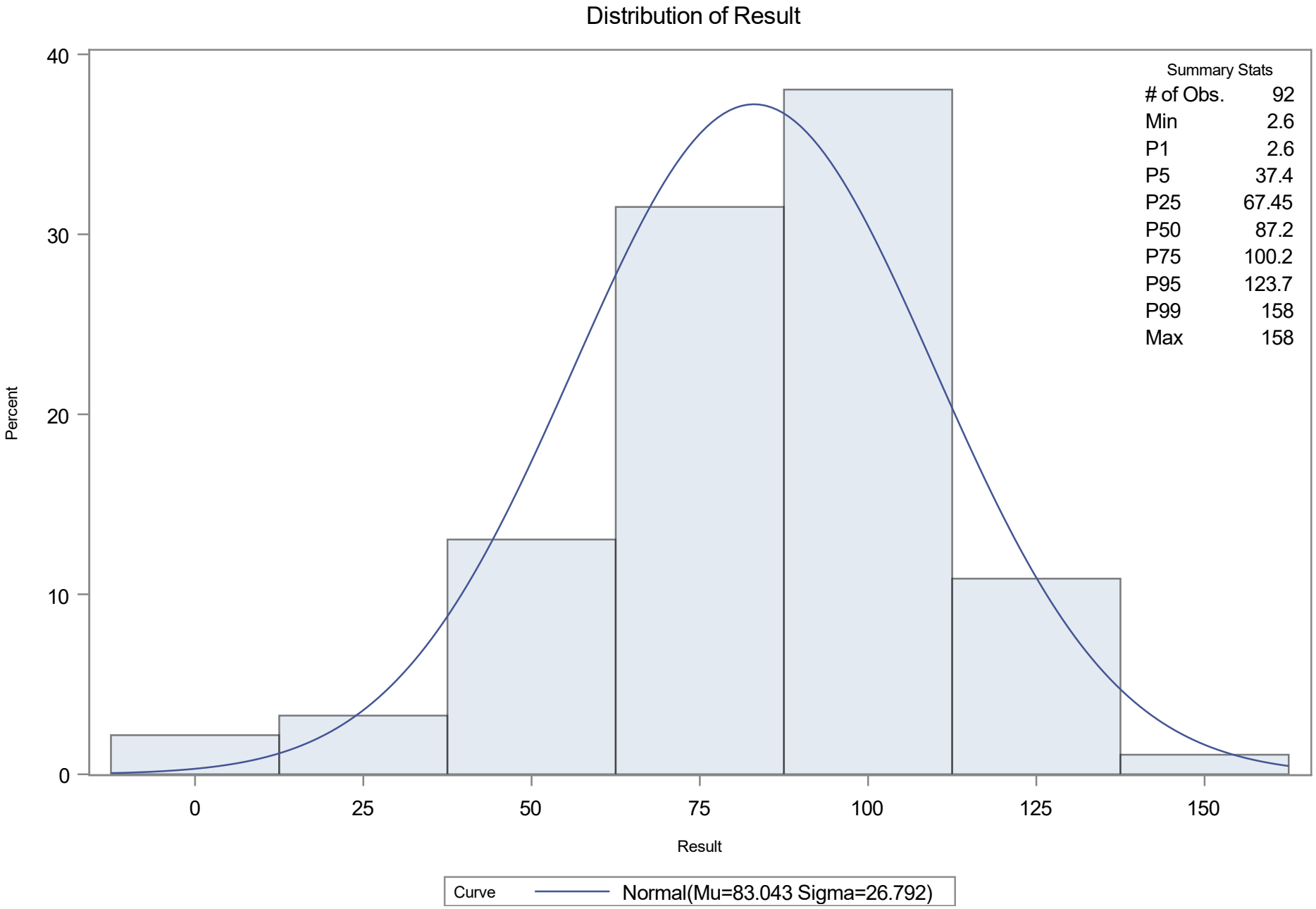
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	83.04348
Std Dev	Sigma	26.79228

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08126755	**Pr > D**	0.138
Cramer-von Mises	**W-Sq**	0.08864009	**Pr > W-Sq**	0.161
Anderson-Darling	**A-Sq**	0.47284366	**Pr > A-Sq**	0.243

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.60000	20.7153
5.0	37.40000	38.9741
10.0	46.10000	48.7078
25.0	67.45000	64.9724
50.0	87.20000	83.0435
75.0	100.20000	101.1146
90.0	116.70000	117.3792
95.0	123.70000	127.1129
99.0	158.00000	145.3716

Period of Record: January 1996 through December 2023
Analysis Days Only

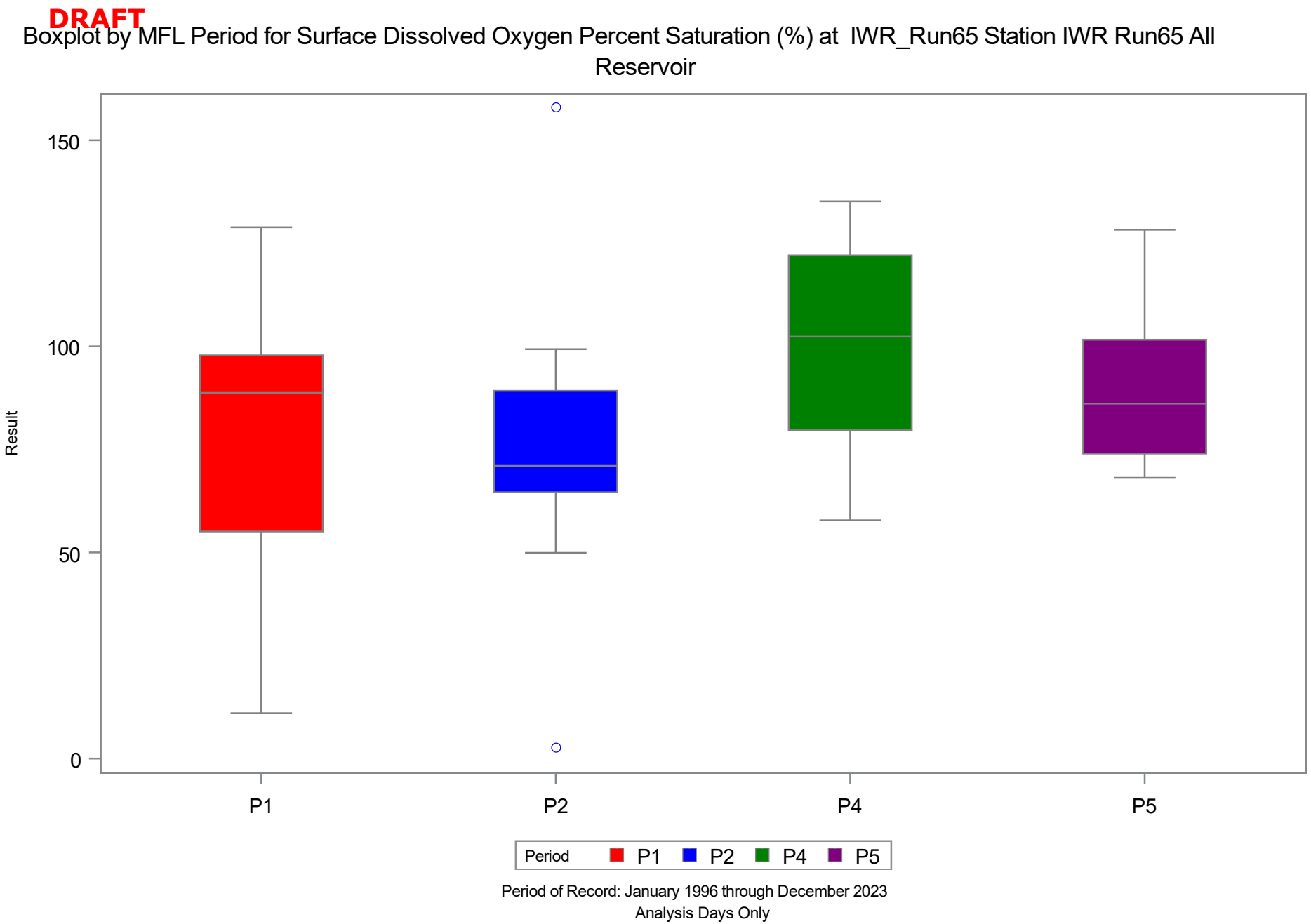
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir

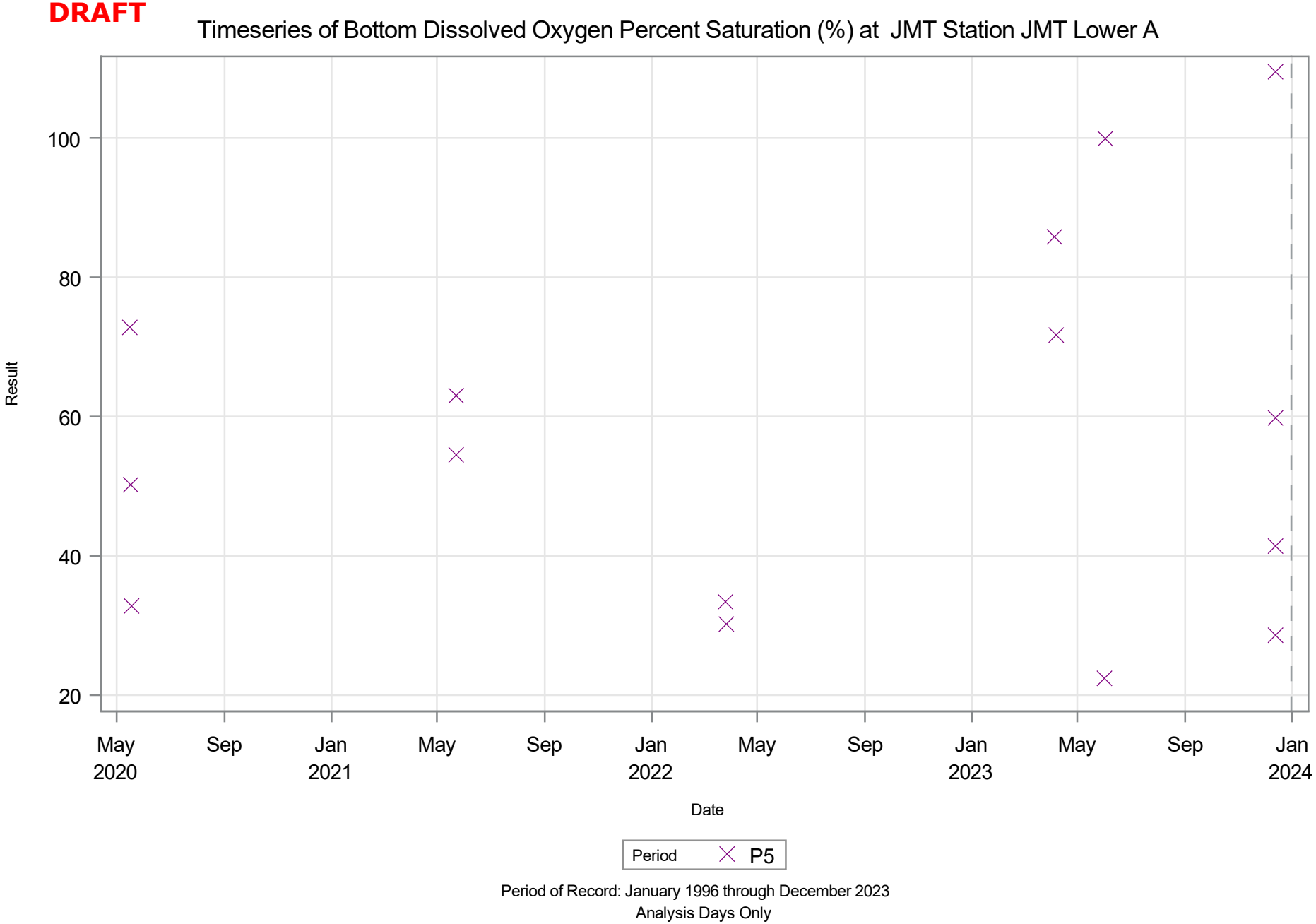
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	49	11.00	55.10	80.33	88.70	97.80	128.90
P2	17	2.60	64.60	75.88	71.00	89.20	158.00
P4	8	57.80	79.65	100.15	102.35	122.10	135.20
P5	18	68.10	74.00	89.60	86.10	101.60	128.30

Period of Record: January 1996 through December 2023
Analysis Days Only

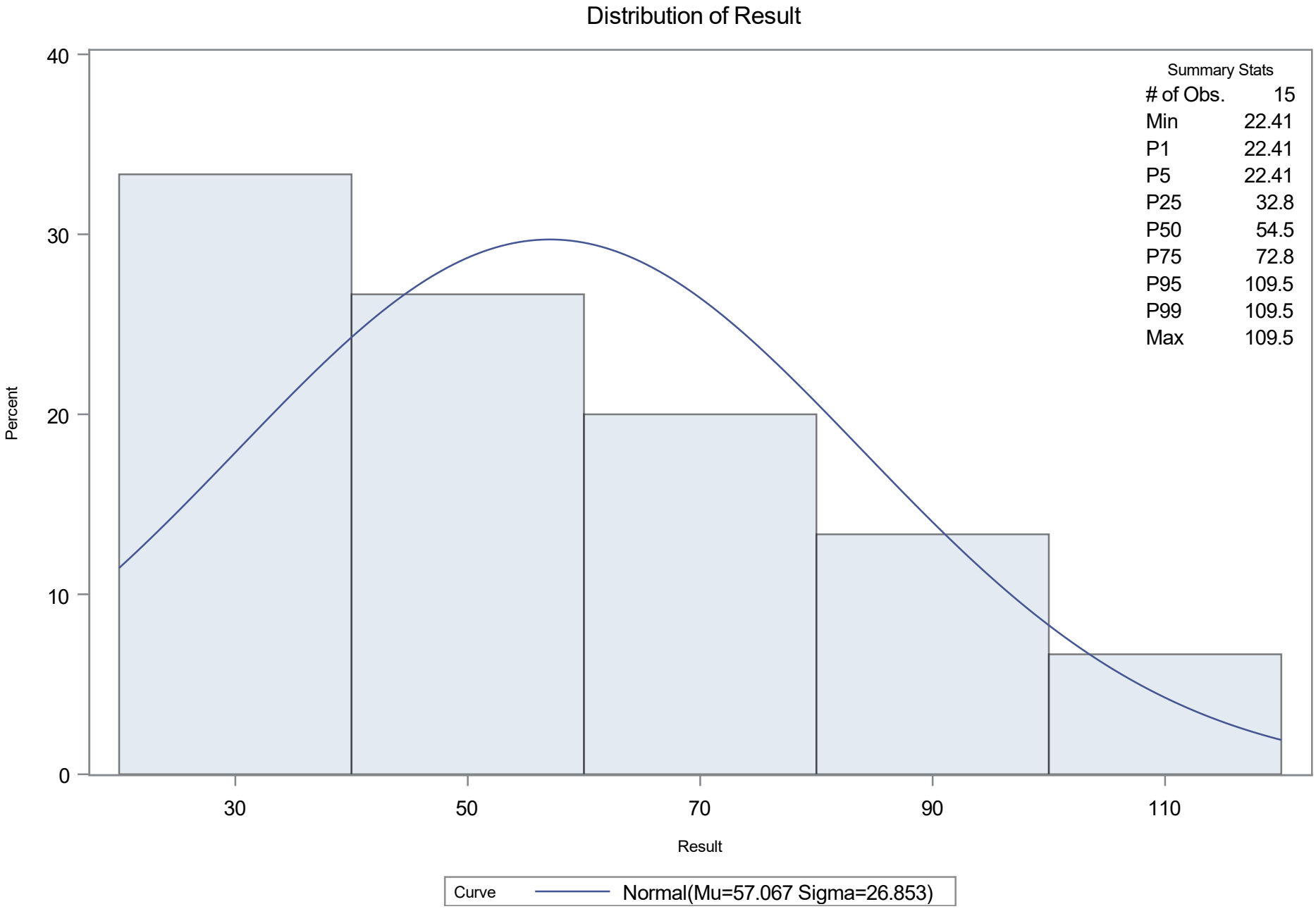
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at IWR_Run65 Station IWR Run65 All Reservoir
Result
150
100
50
0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A
Result
100
80
60
40
20
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	57.06733
Std Dev	Sigma	26.8532

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14427181	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04441926	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33000553	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.4100	-5.40255
5.0	22.4100	12.89775
10.0	28.6000	22.65357
25.0	32.8000	38.95513
50.0	54.5000	57.06733
75.0	72.8000	75.17954
90.0	99.9000	91.48109
95.0	109.5000	101.23691
99.0	109.5000	119.53722

Period of Record: January 1996 through December 2023
Analysis Days Only

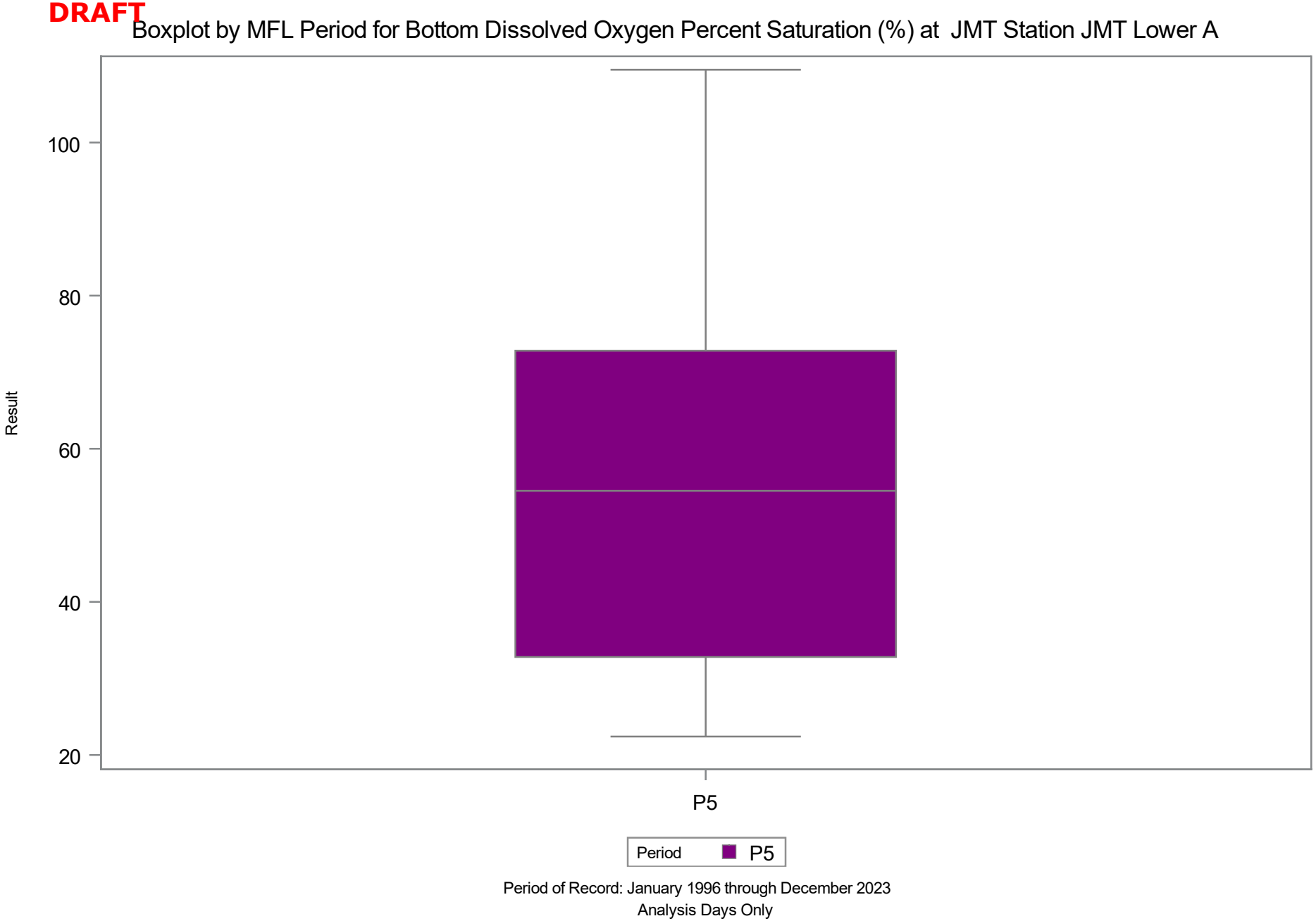
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A

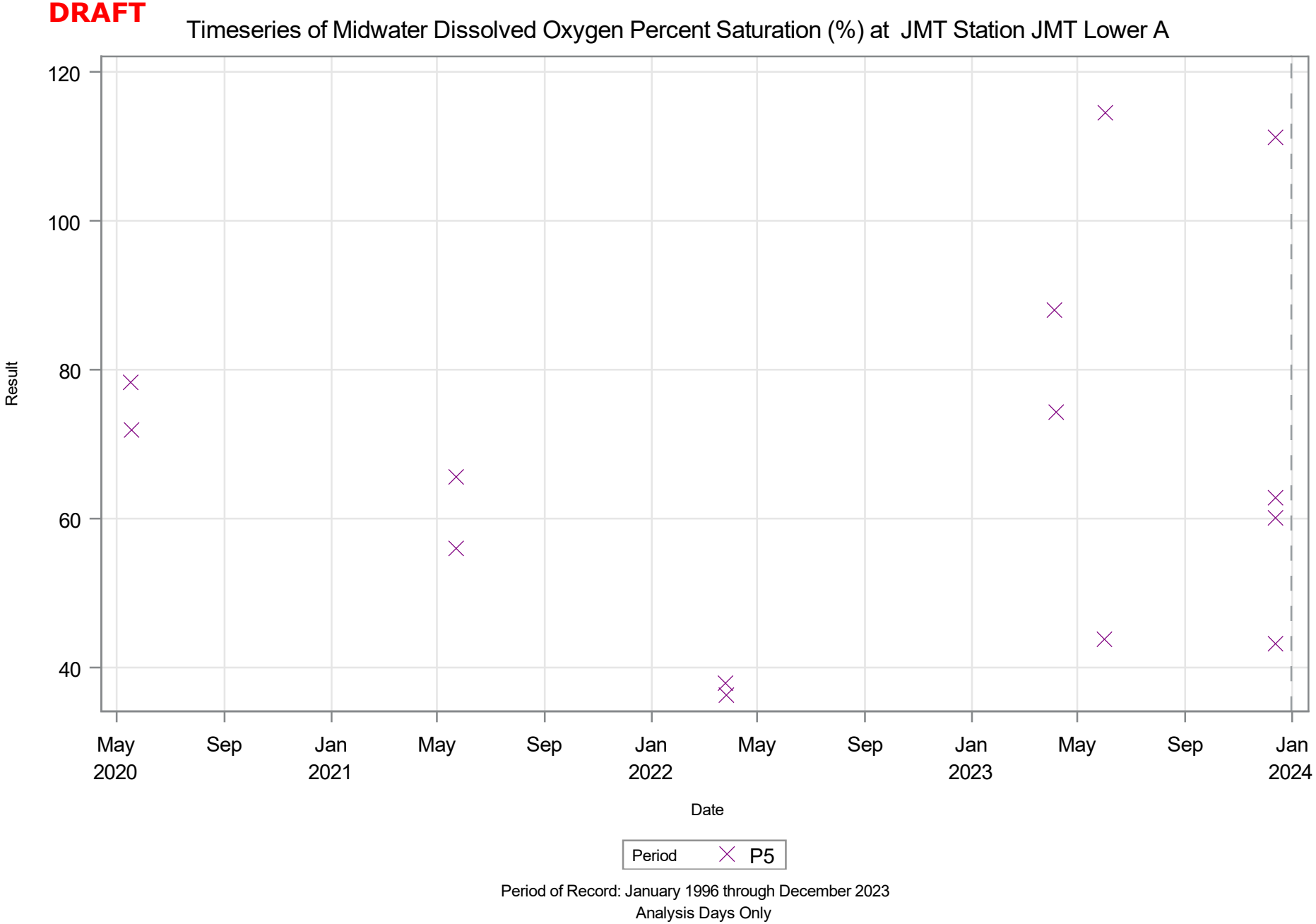
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	22.41	32.80	57.07	54.50	72.80	109.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

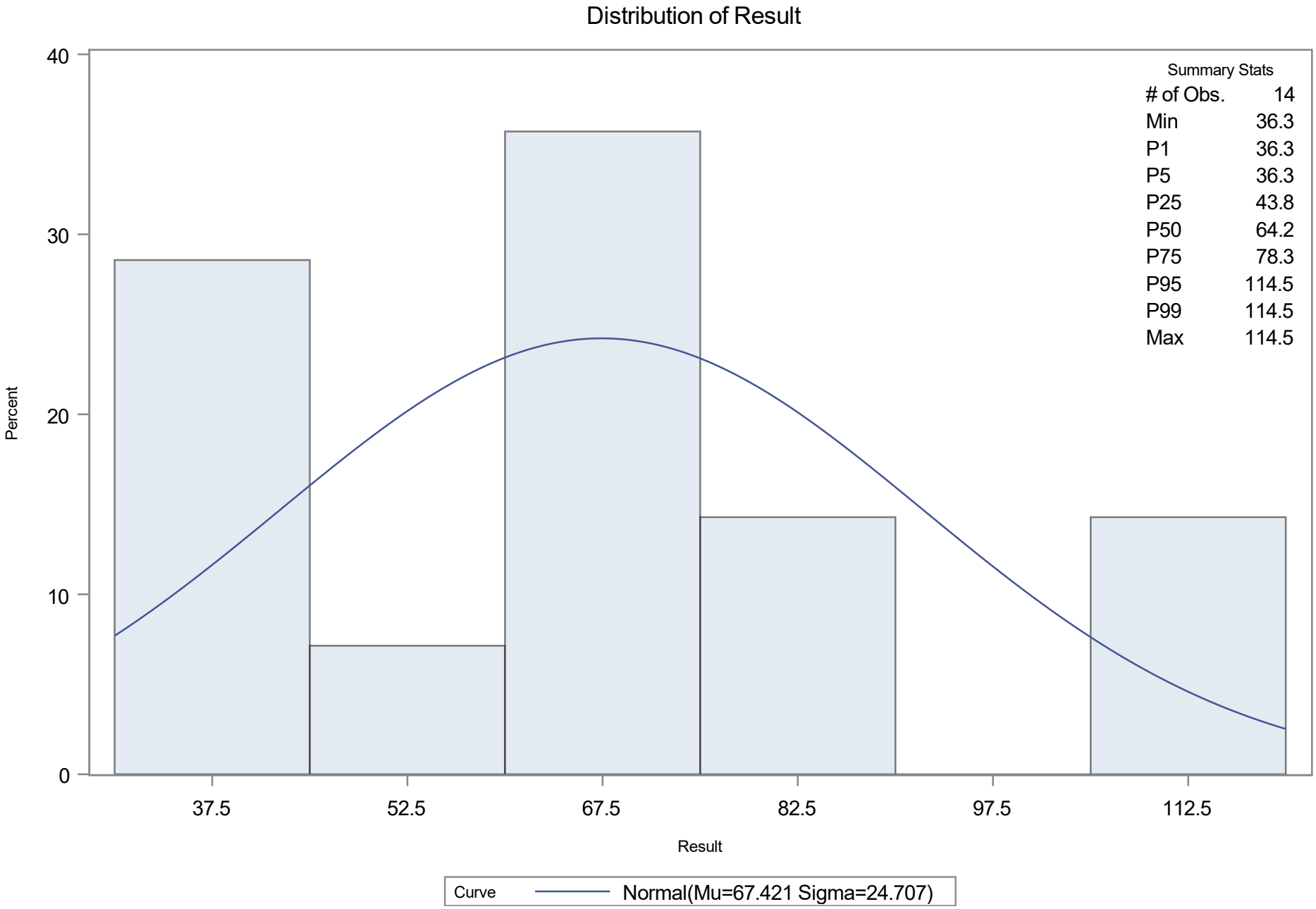

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A
Result
100
80
60
40
20
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A
120
100
80
60
40
Result
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	67.42143
Std Dev	Sigma	24.70687

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11619513	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04093818	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34046743	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	36.3000	9.94465
5.0	36.3000	26.78224
10.0	37.9000	35.75830
25.0	43.8000	50.75690
50.0	64.2000	67.42143
75.0	78.3000	84.08596
90.0	111.2000	99.08456
95.0	114.5000	108.06062
99.0	114.5000	124.89821

Period of Record: January 1996 through December 2023
Analysis Days Only

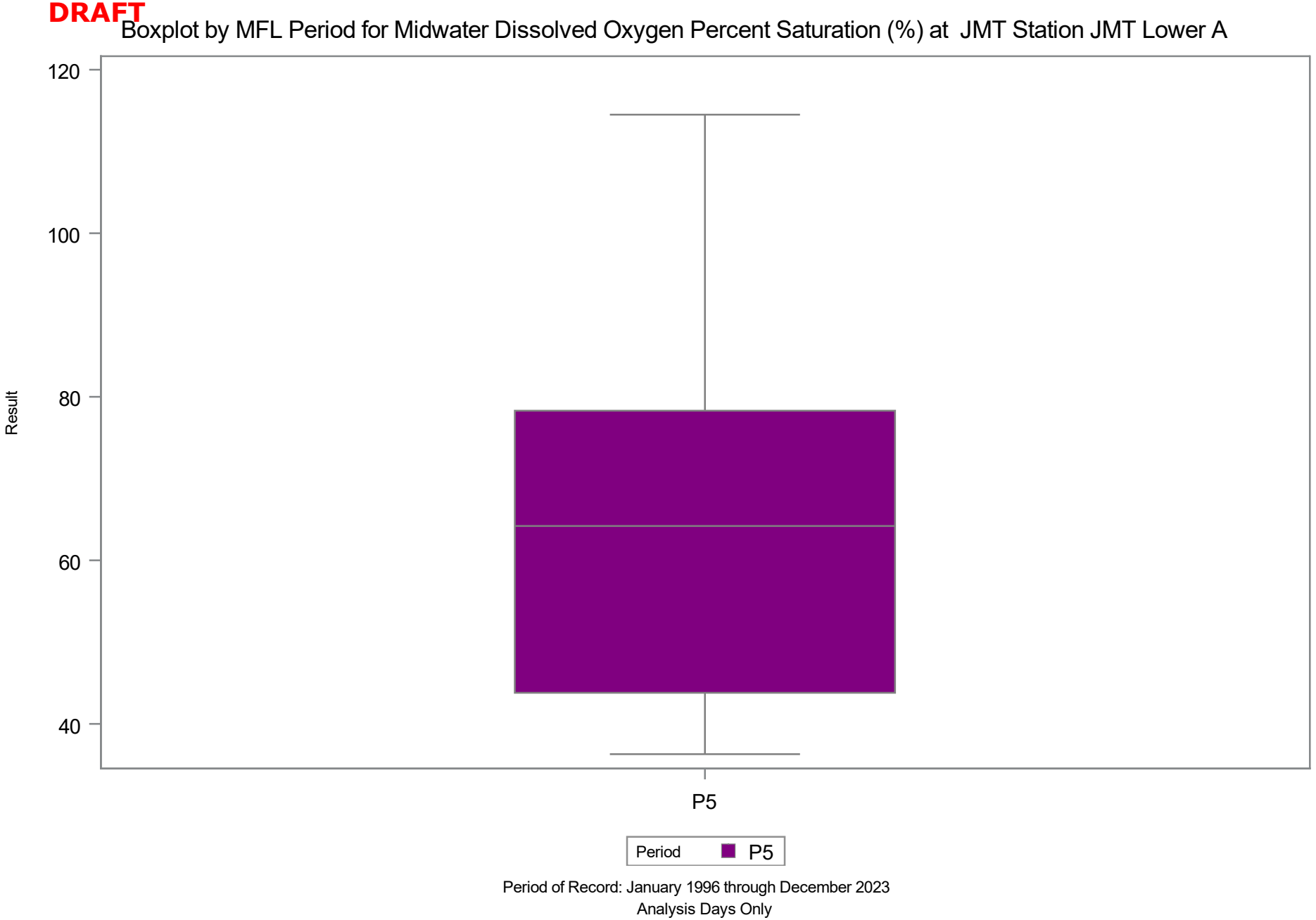
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A

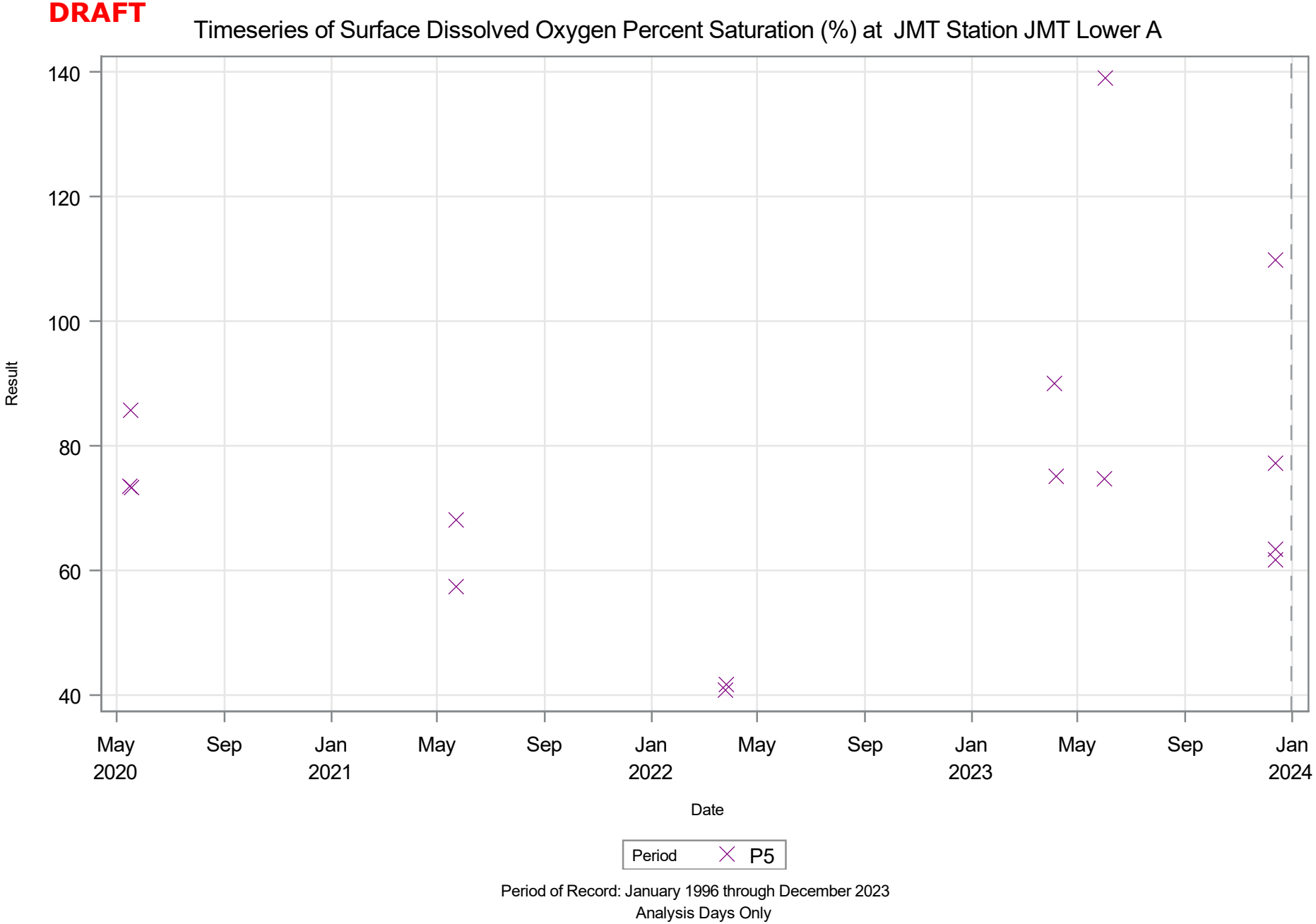
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	36.30	43.80	67.42	64.20	78.30	114.50

Period of Record: January 1996 through December 2023
Analysis Days Only

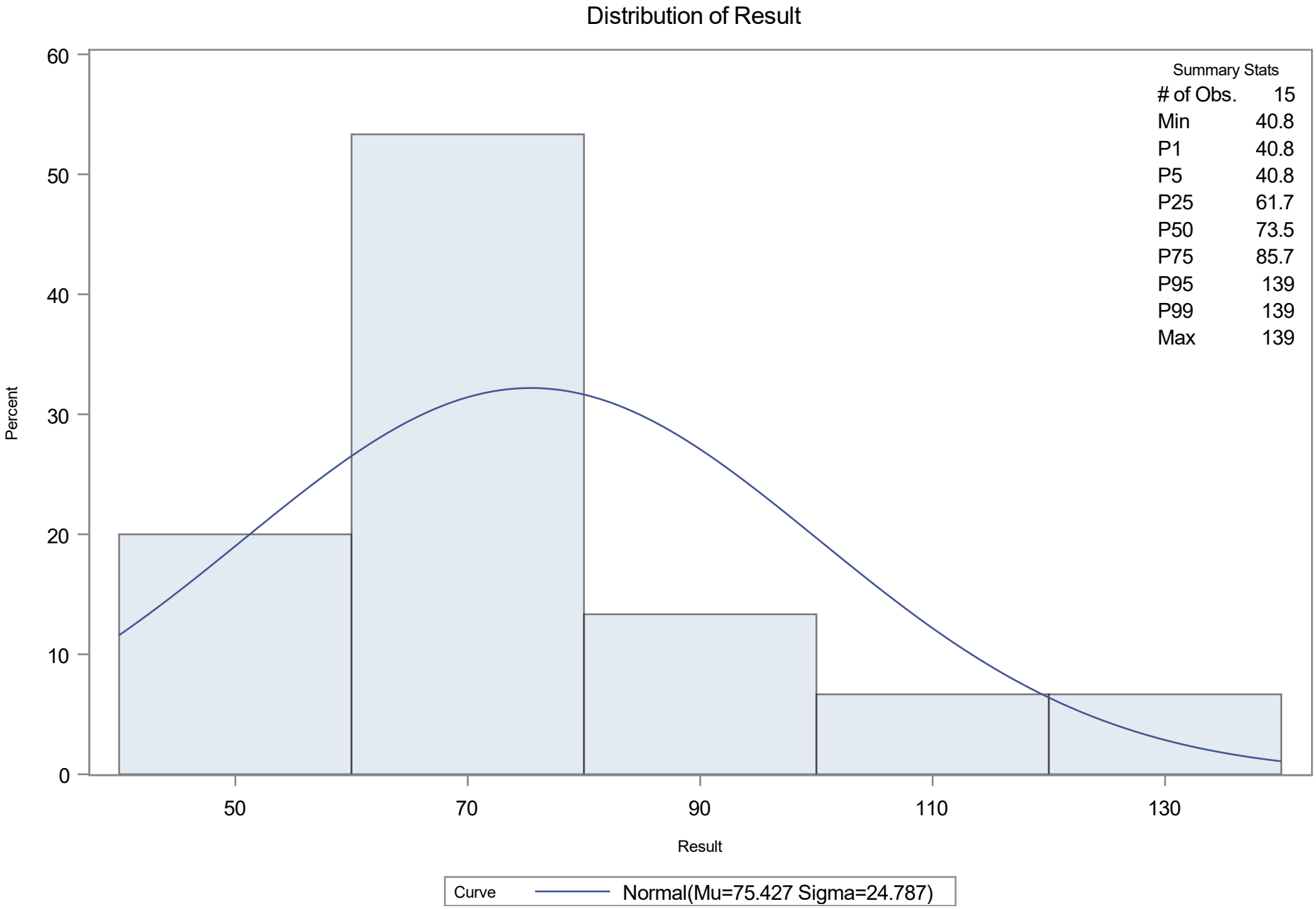
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A
120
100
80
60
40
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A
Result
140
120
100
80
60
40
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.42667
Std Dev	Sigma	24.78656

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20481568	**Pr > D**	0.089
Cramer-von Mises	**W-Sq**	0.09770834	**Pr > W-Sq**	0.112
Anderson-Darling	**A-Sq**	0.56897362	**Pr > A-Sq**	0.120

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	40.8000	17.7645
5.0	40.8000	34.6564
10.0	41.7000	43.6614
25.0	61.7000	58.7084
50.0	73.5000	75.4267
75.0	85.7000	92.1449
90.0	109.8000	107.1919
95.0	139.0000	116.1969
99.0	139.0000	133.0888

Period of Record: January 1996 through December 2023
Analysis Days Only

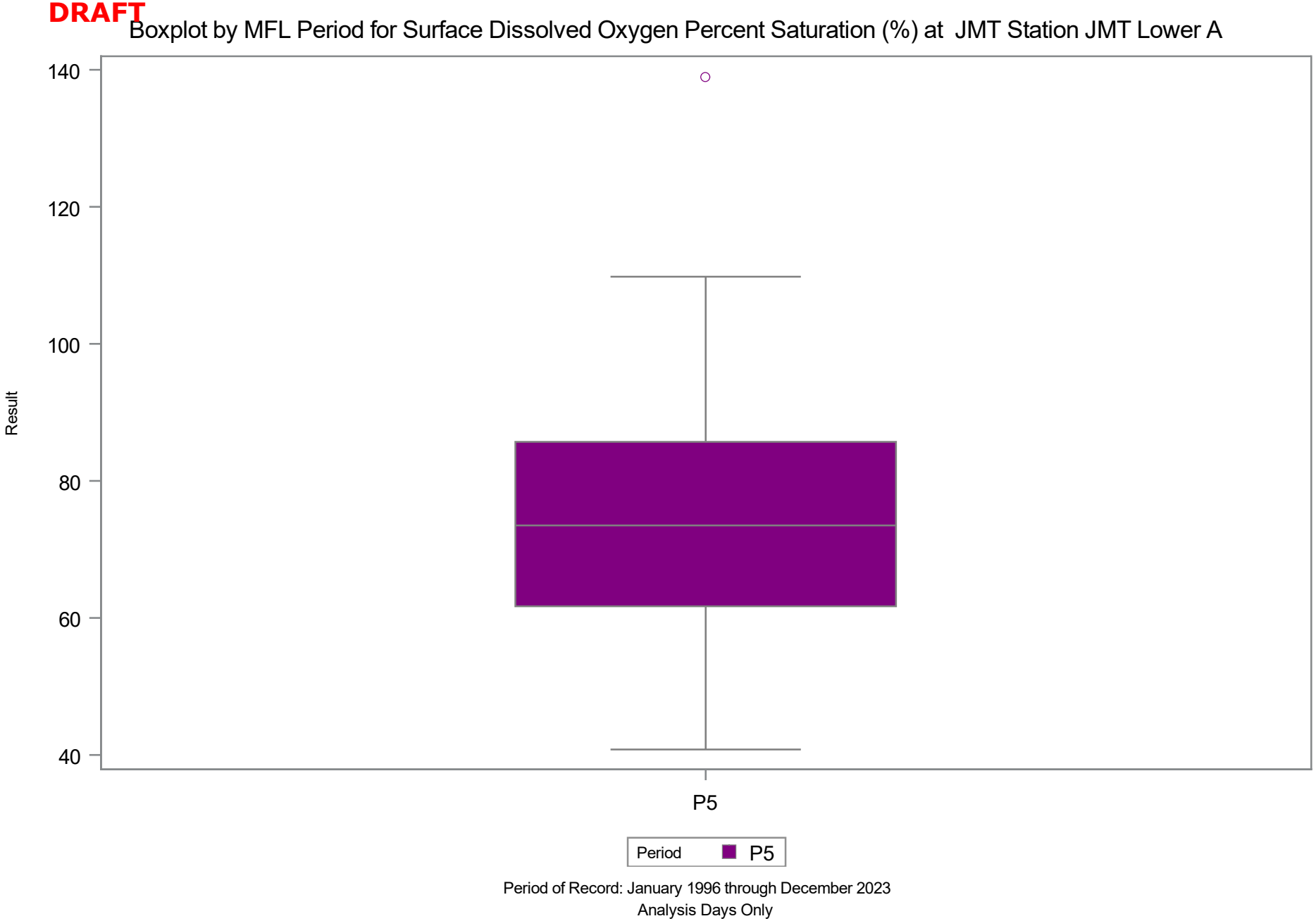
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A

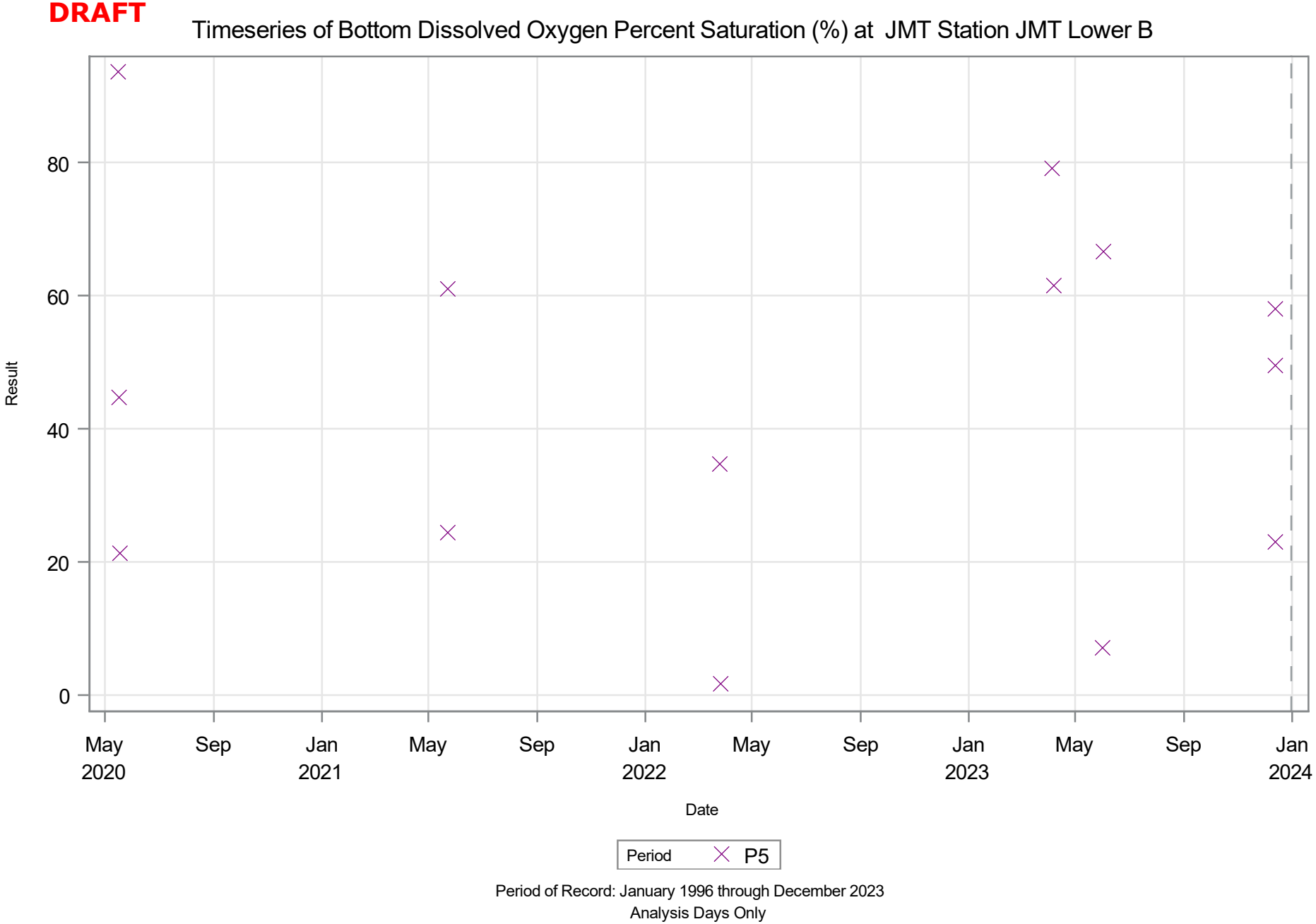
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	40.80	61.70	75.43	73.50	85.70	139.00

Period of Record: January 1996 through December 2023
Analysis Days Only

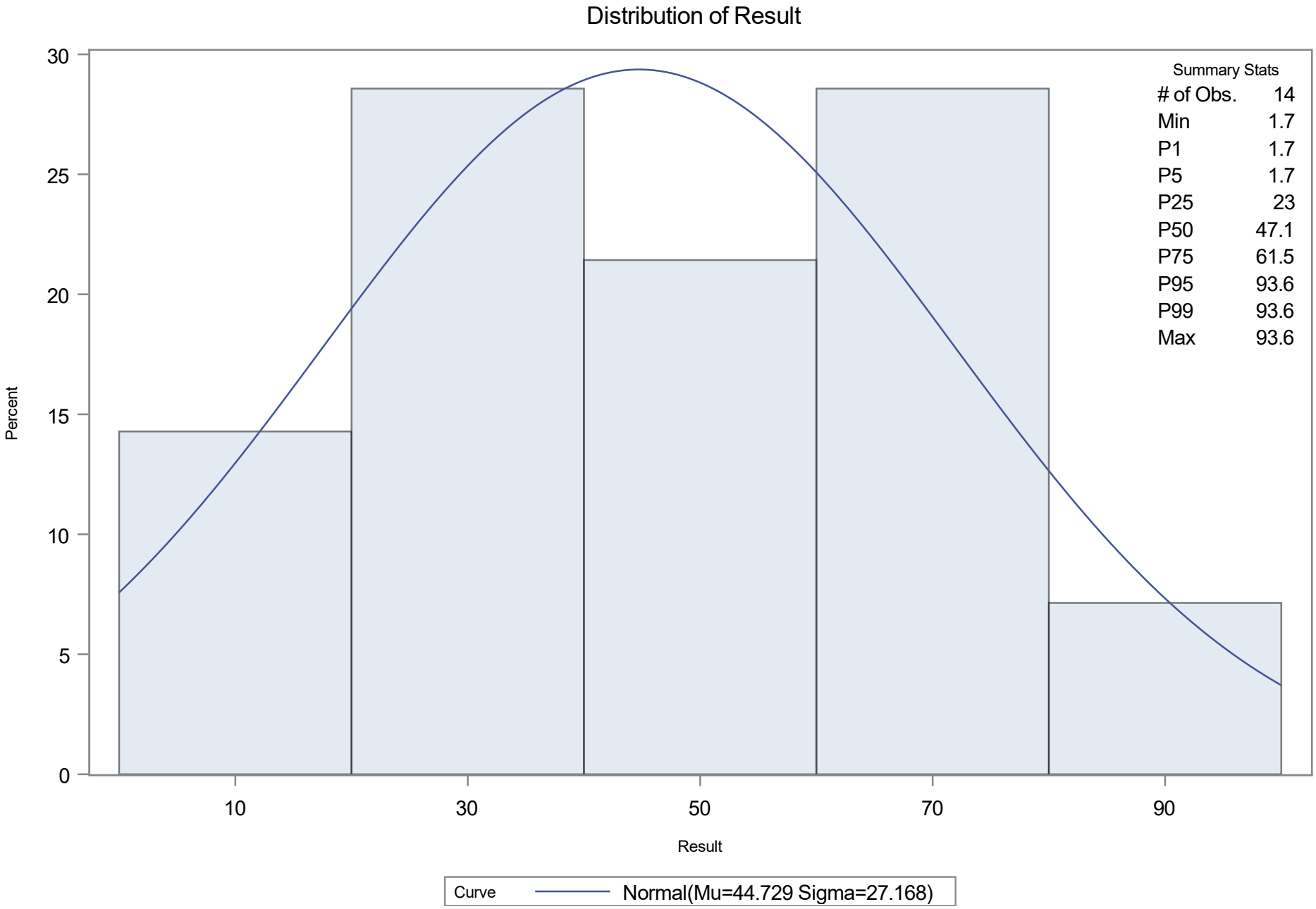
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower A
Result
140
120
100
80
60
40
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B
Result
0
20
40
60
80
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	44.72857
Std Dev	Sigma	27.16804

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12998915	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03131990	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19493695	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.70000	-18.47373
5.0	1.70000	0.04113
10.0	7.10000	9.91133
25.0	23.00000	26.40401
50.0	47.10000	44.72857
75.0	61.50000	63.05313
90.0	79.10000	79.54581
95.0	93.60000	89.41601
99.0	93.60000	107.93087

Period of Record: January 1996 through December 2023
Analysis Days Only

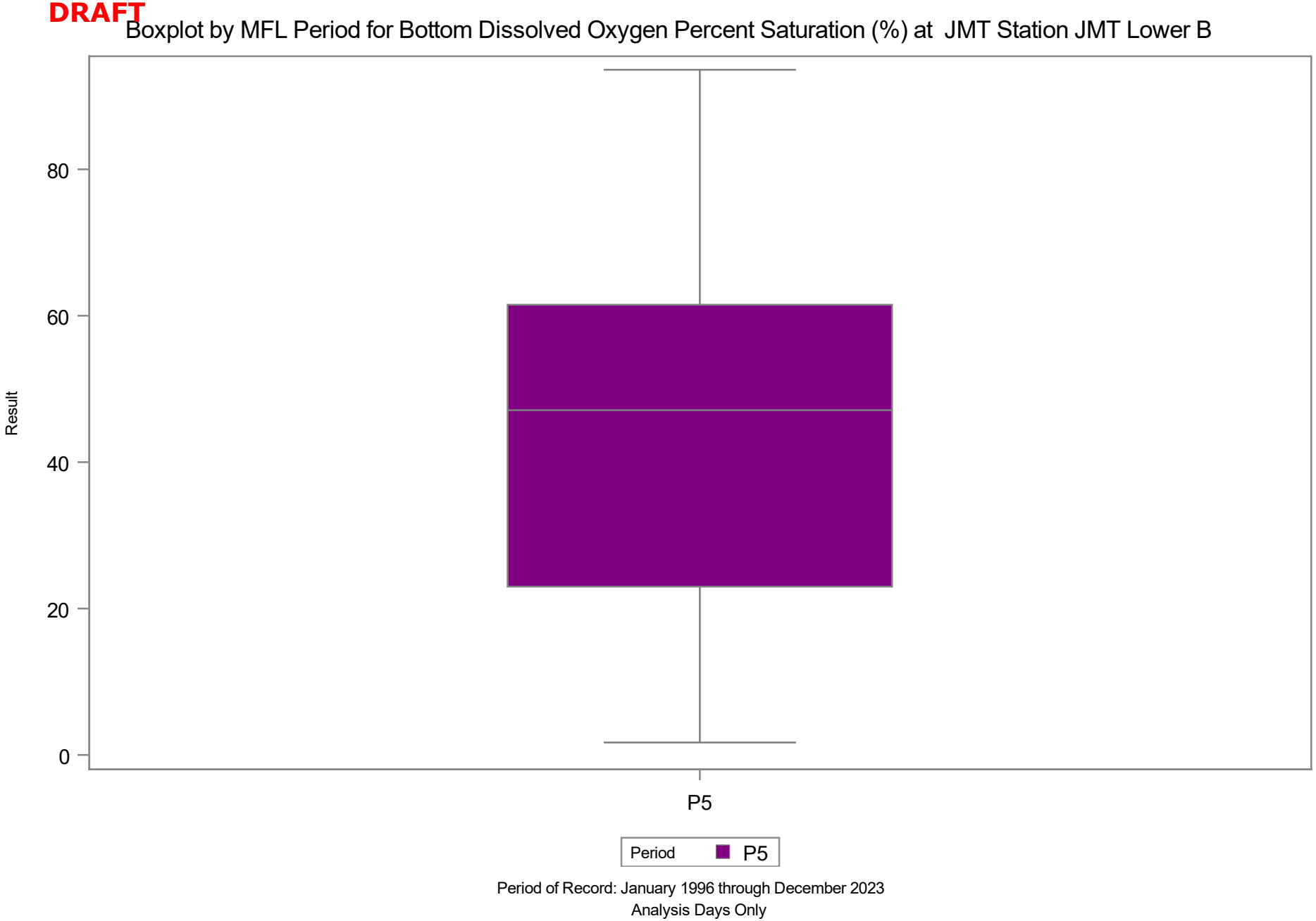
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B

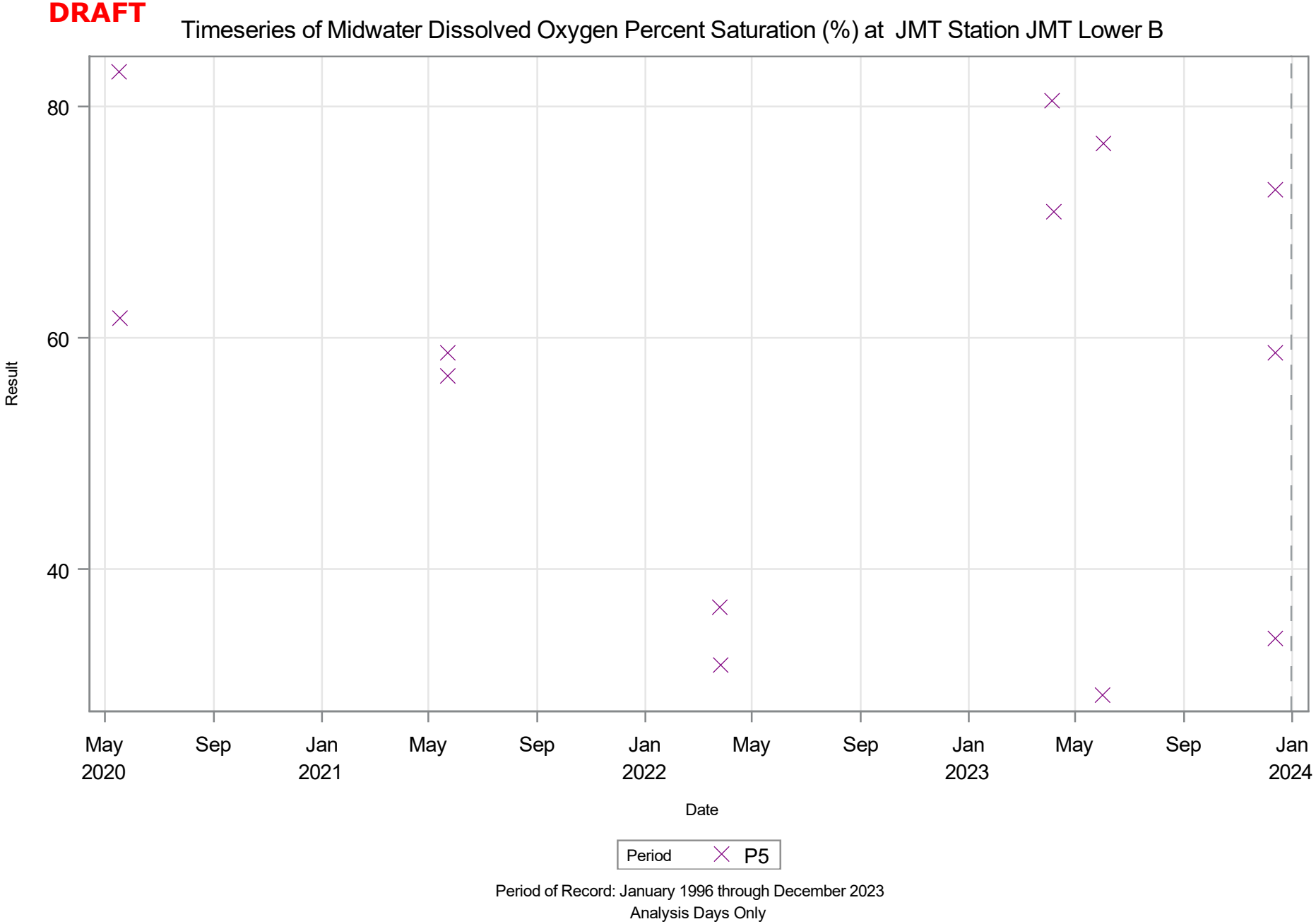
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1.70	23.00	44.73	47.10	61.50	93.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

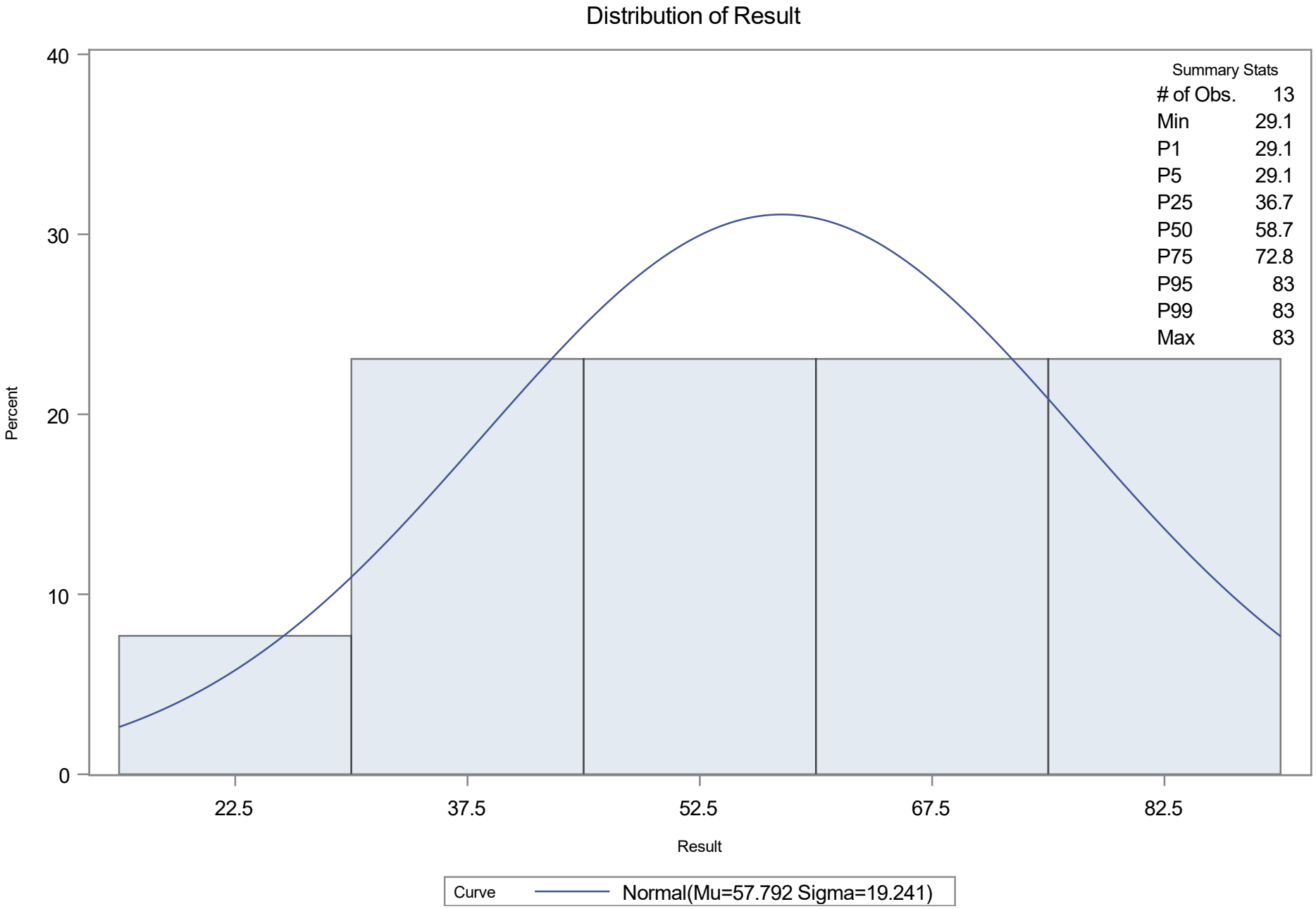

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B
Result
80
60
40
20
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B
Result
80
60
40
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	57.79231
Std Dev	Sigma	19.24086

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17120208	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07598852	**Pr > W-Sq**	0.221
Anderson-Darling	**A-Sq**	0.49583222	**Pr > A-Sq**	0.183

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	29.1000	13.0314
5.0	29.1000	26.1439
10.0	31.7000	33.1342
25.0	36.7000	44.8145
50.0	58.7000	57.7923
75.0	72.8000	70.7701
90.0	80.5000	82.4505
95.0	83.0000	89.4407
99.0	83.0000	102.5532

Period of Record: January 1996 through December 2023
Analysis Days Only

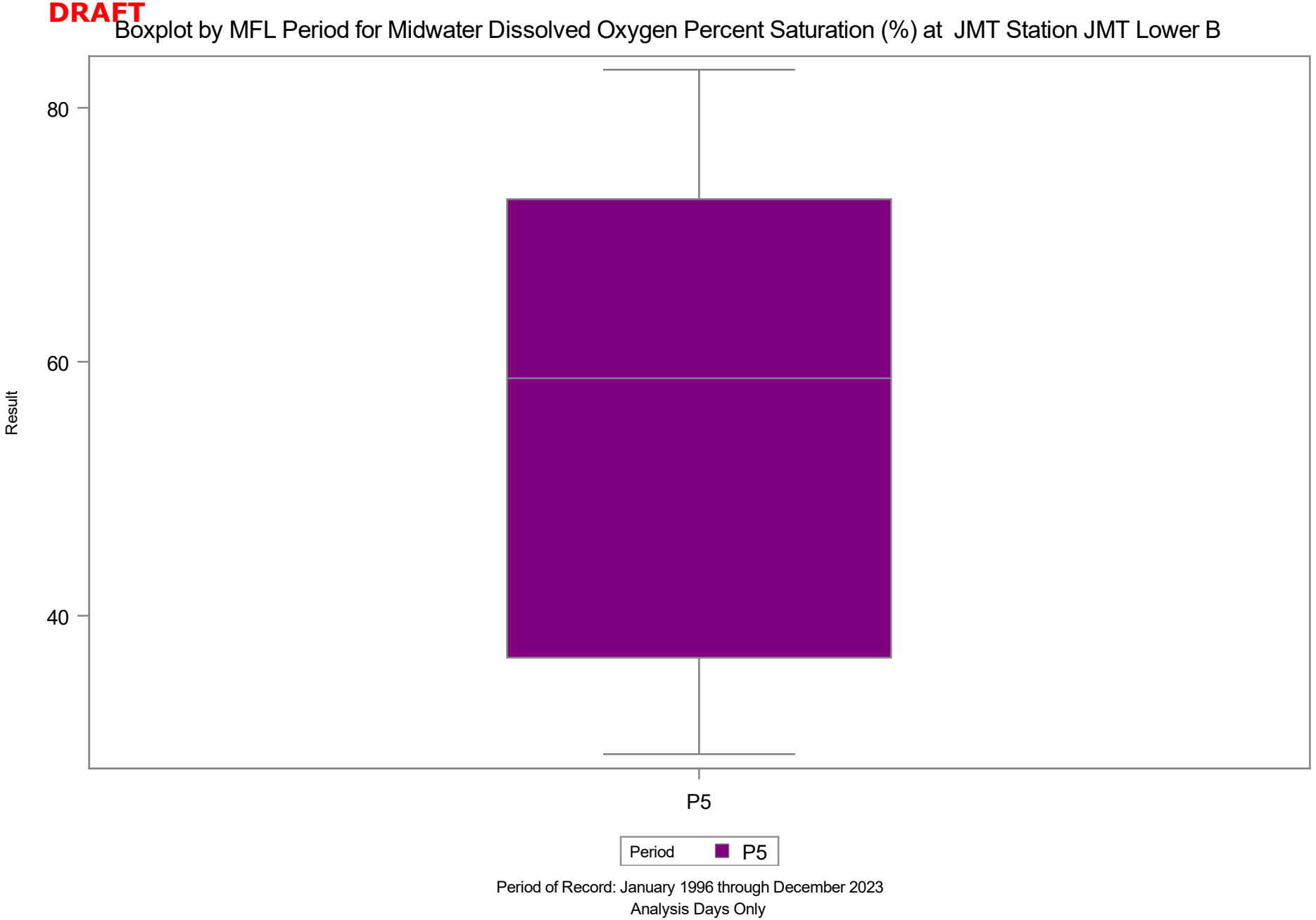
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B

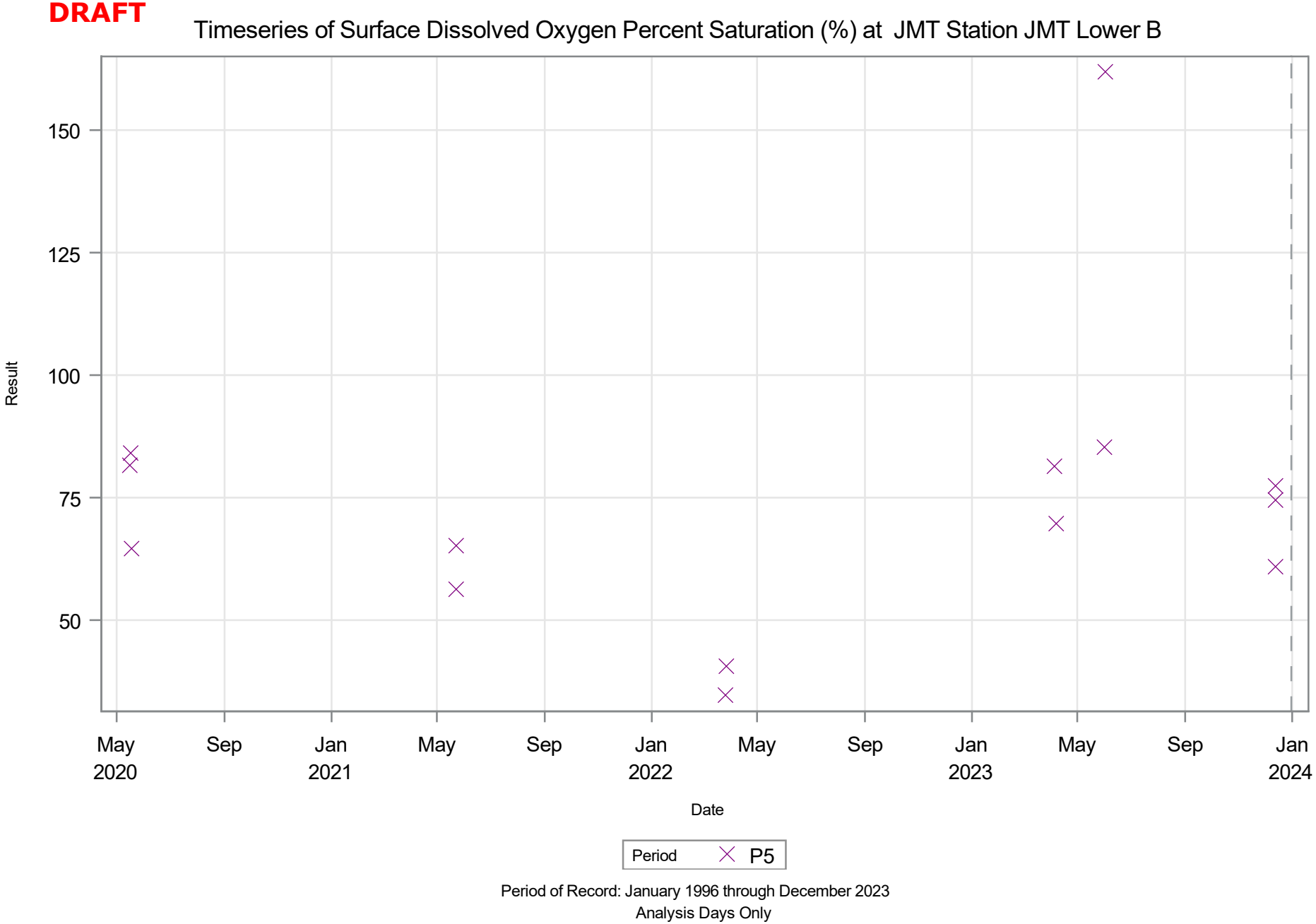
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	29.10	36.70	57.79	58.70	72.80	83.00

Period of Record: January 1996 through December 2023
Analysis Days Only

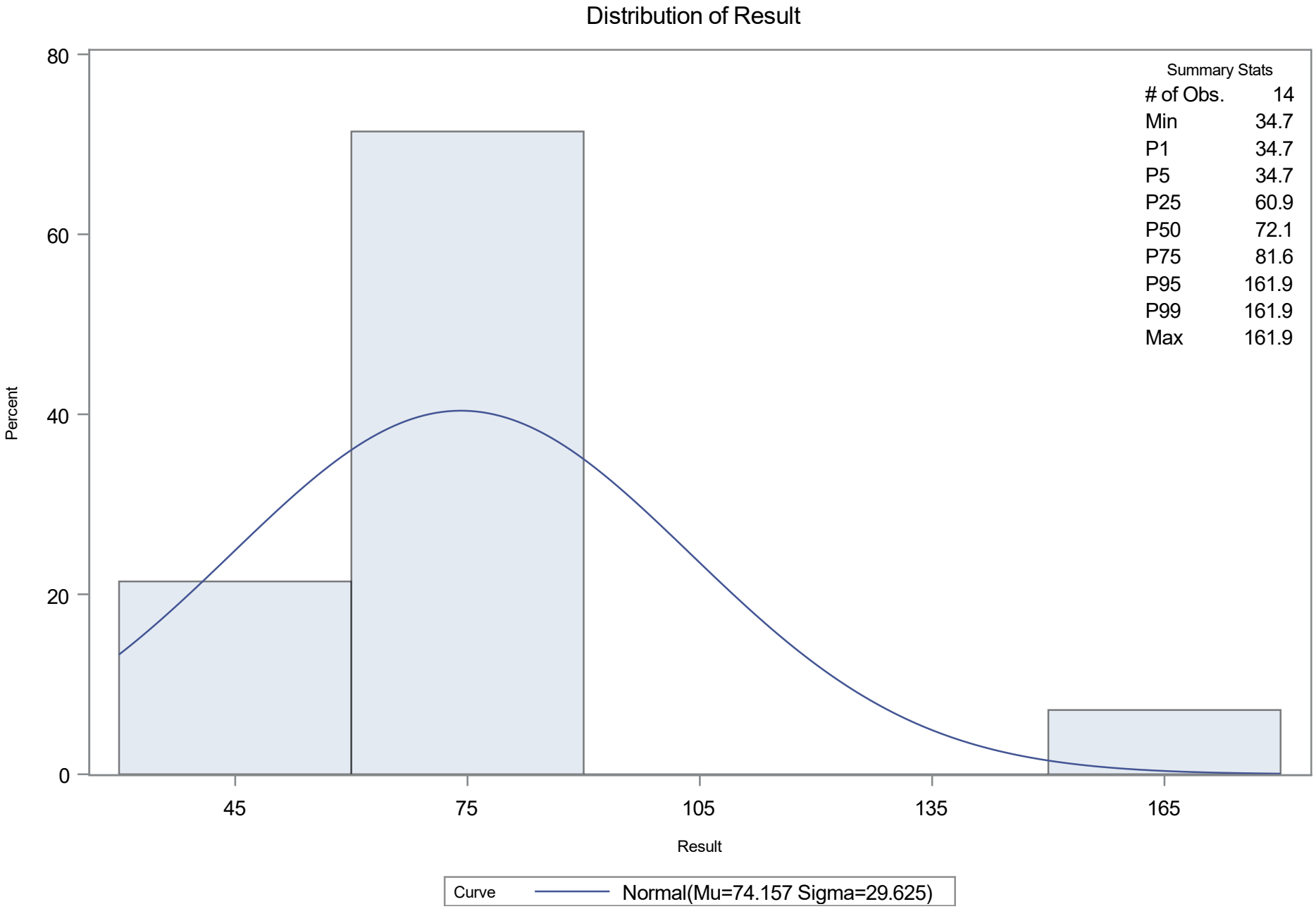
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B
Result
80
60
40
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B
Result
150
125
100
75
50
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	74.15714
Std Dev	Sigma	29.62501

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28198152	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.16029165	**Pr > W-Sq**	0.016
Anderson-Darling	**A-Sq**	1.00477564	**Pr > A-Sq**	0.009

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	34.7000	5.23907
5.0	34.7000	25.42834
10.0	40.6000	36.19117
25.0	60.9000	54.17538
50.0	72.1000	74.15714
75.0	81.6000	94.13891
90.0	85.3000	112.12312
95.0	161.9000	122.88594
99.0	161.9000	143.07522

Period of Record: January 1996 through December 2023
Analysis Days Only

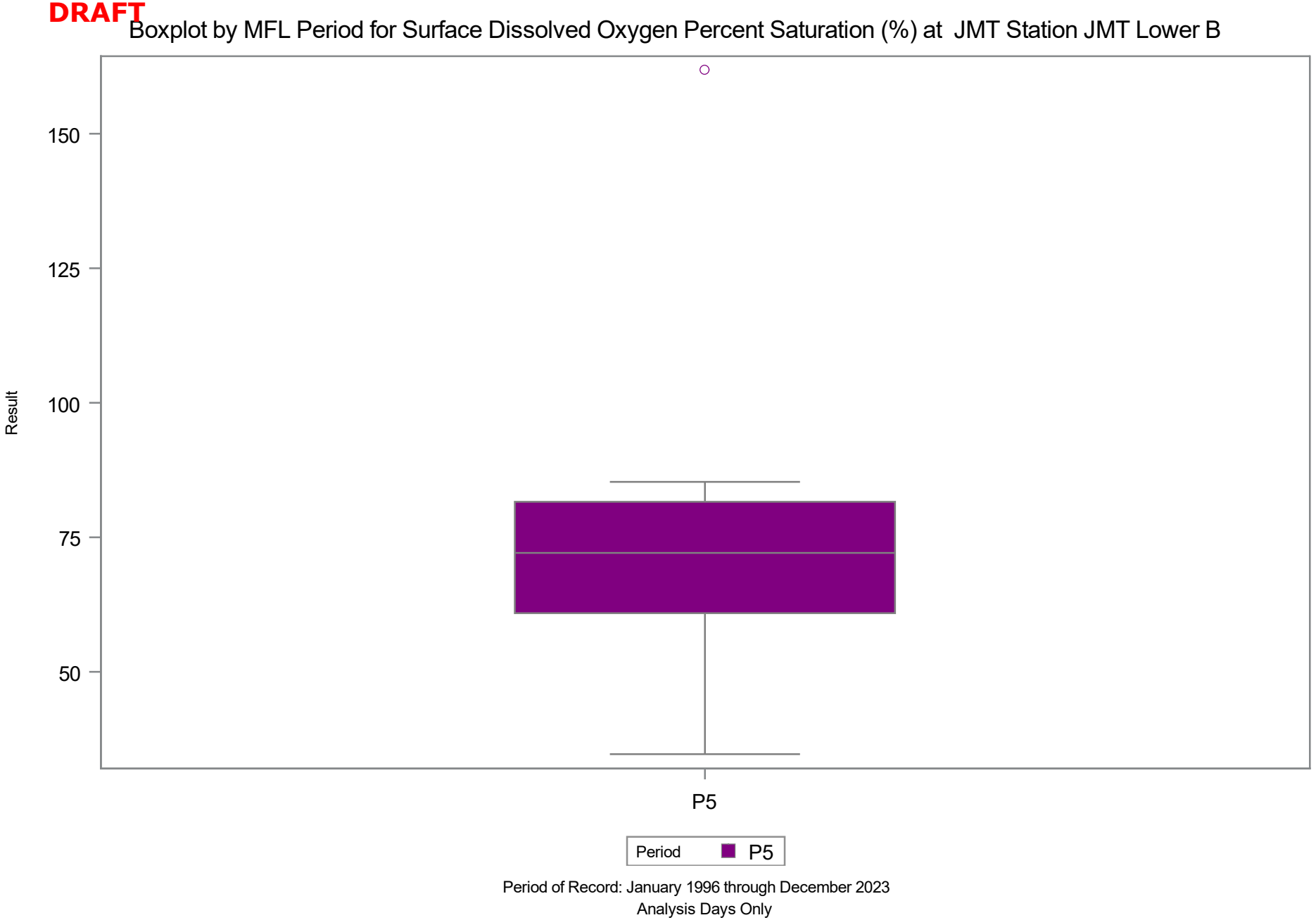
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B

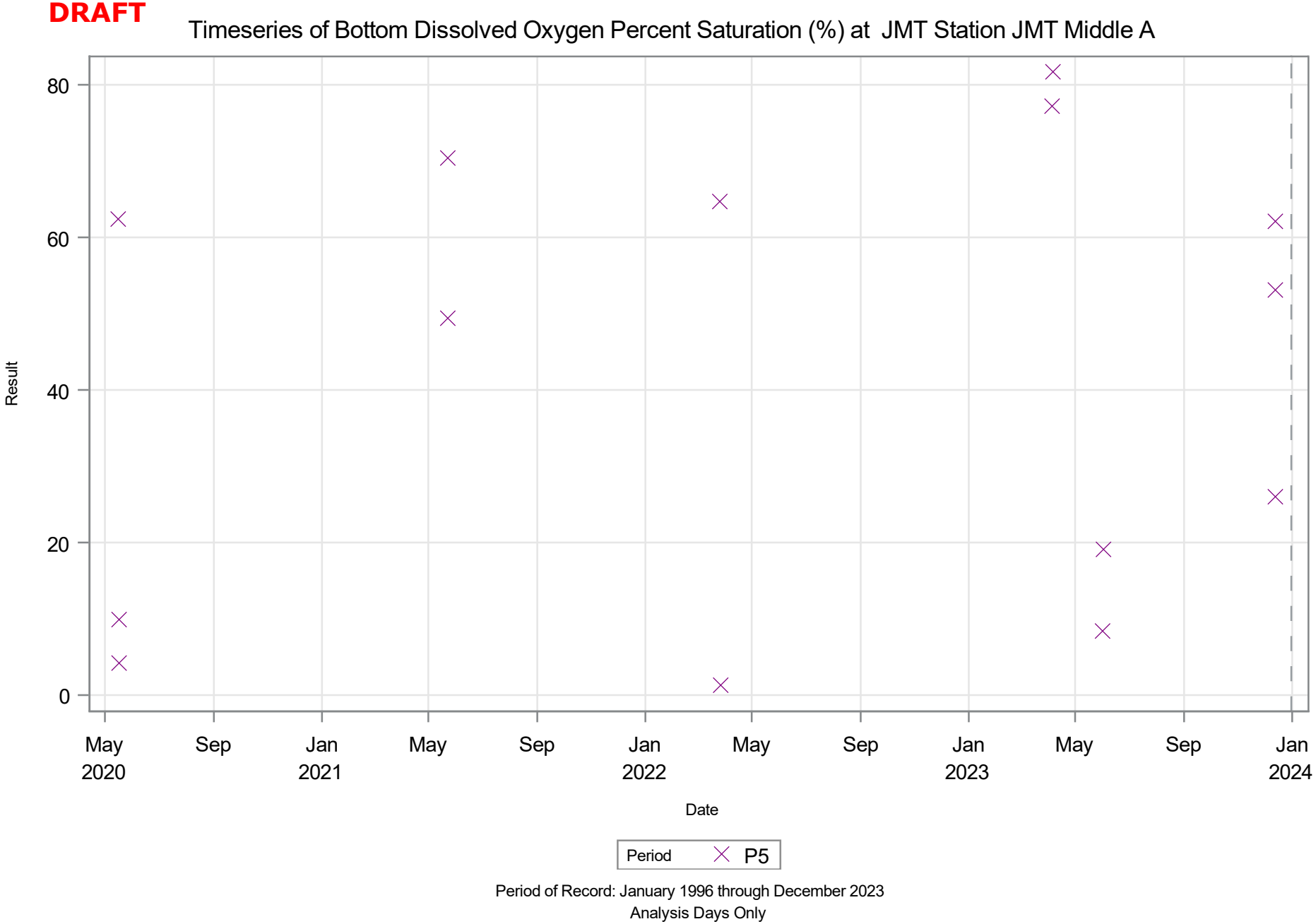
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	34.70	60.90	74.16	72.10	81.60	161.90

Period of Record: January 1996 through December 2023
Analysis Days Only

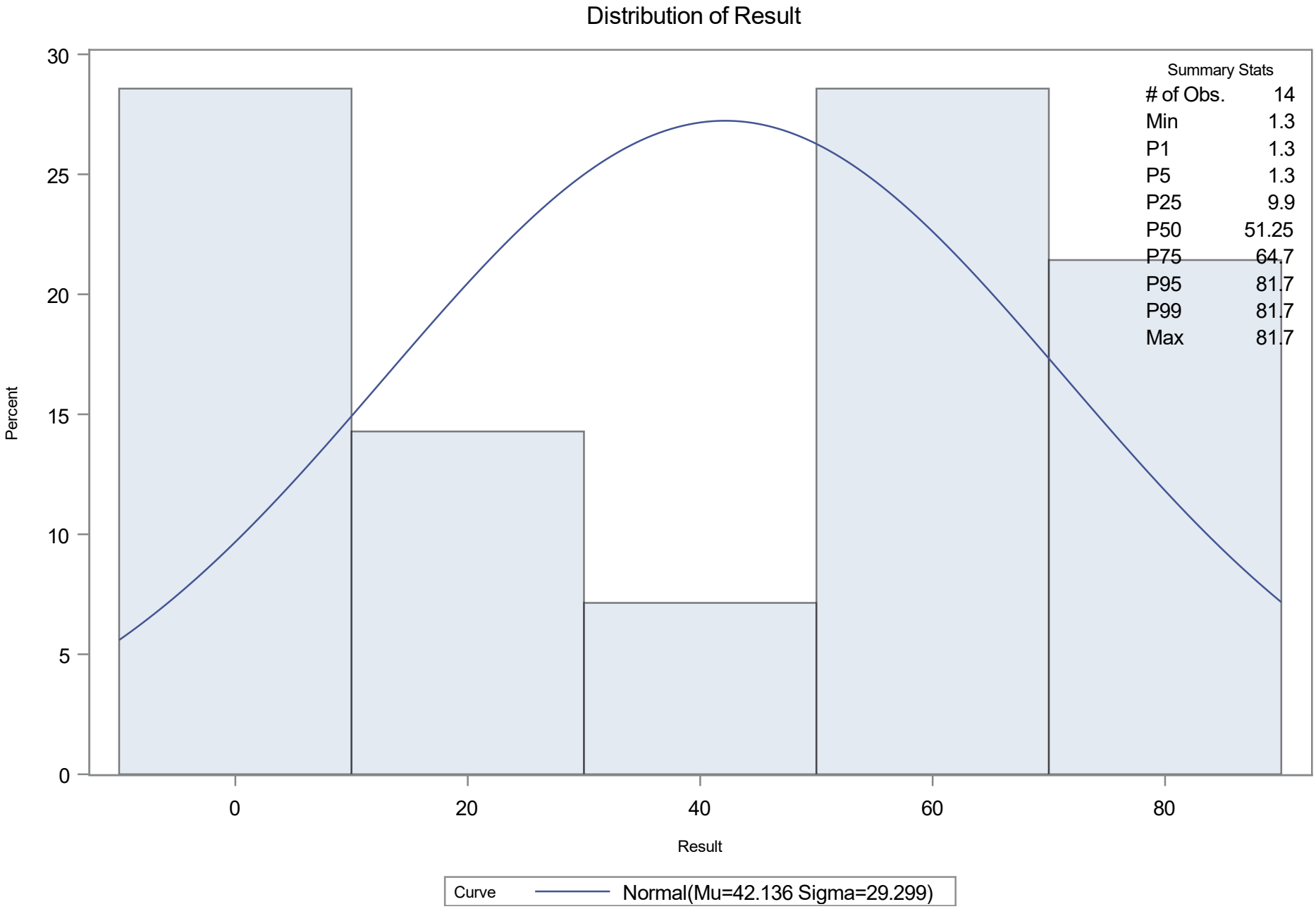
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Lower B
Result
150
125
100
75
50
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A
Result
80
60
40
20
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	42.13571
Std Dev	Sigma	29.29948

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18075813	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10644432	**Pr > W-Sq**	0.086
Anderson-Darling	**A-Sq**	0.62460695	**Pr > A-Sq**	0.086

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.30000	-26.02506
5.0	1.30000	-6.05764
10.0	4.20000	4.58692
25.0	9.90000	22.37352
50.0	51.25000	42.13571
75.0	64.70000	61.89791
90.0	77.20000	79.68451
95.0	81.70000	90.32907
99.0	81.70000	110.29649

Period of Record: January 1996 through December 2023
Analysis Days Only

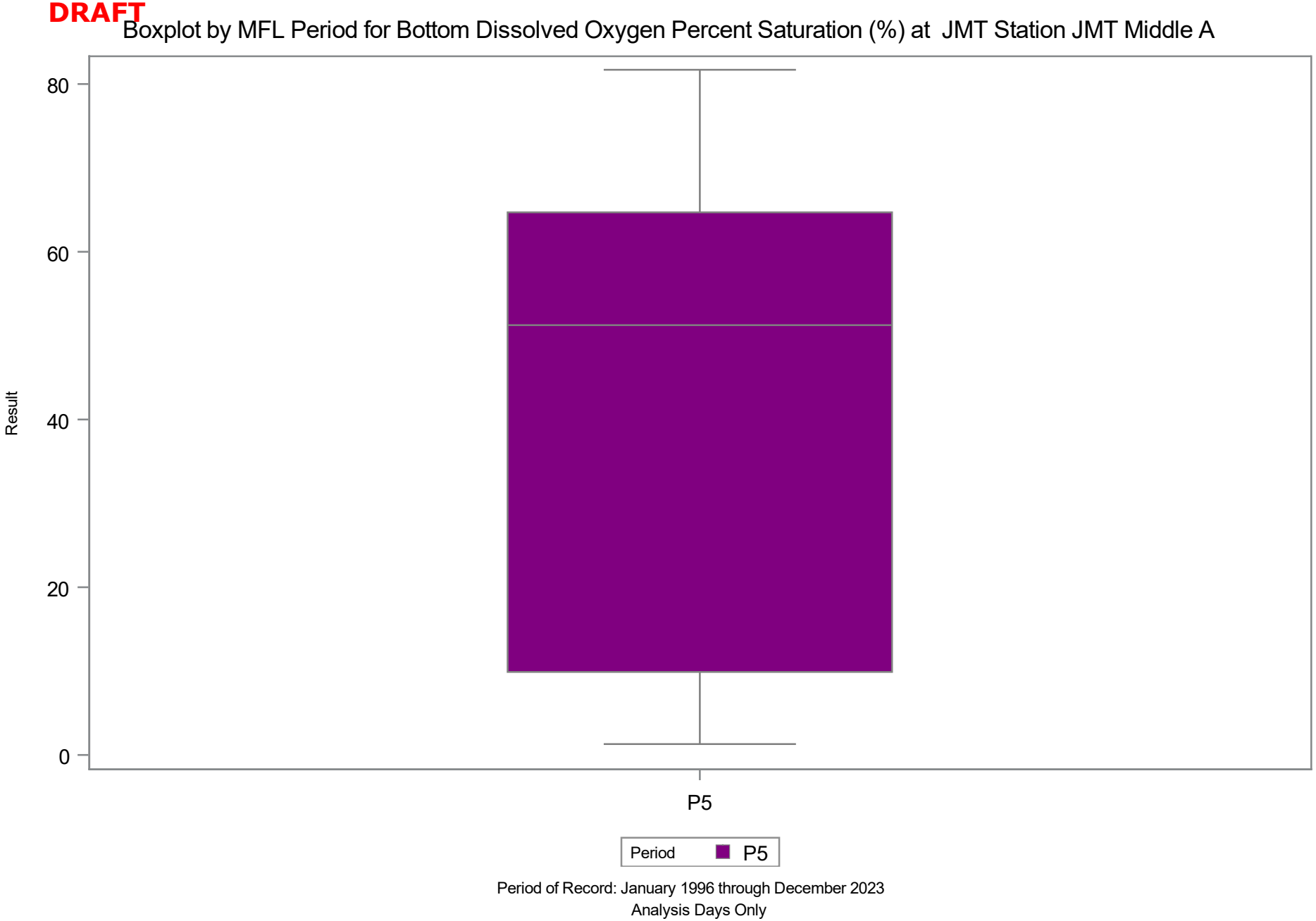
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A

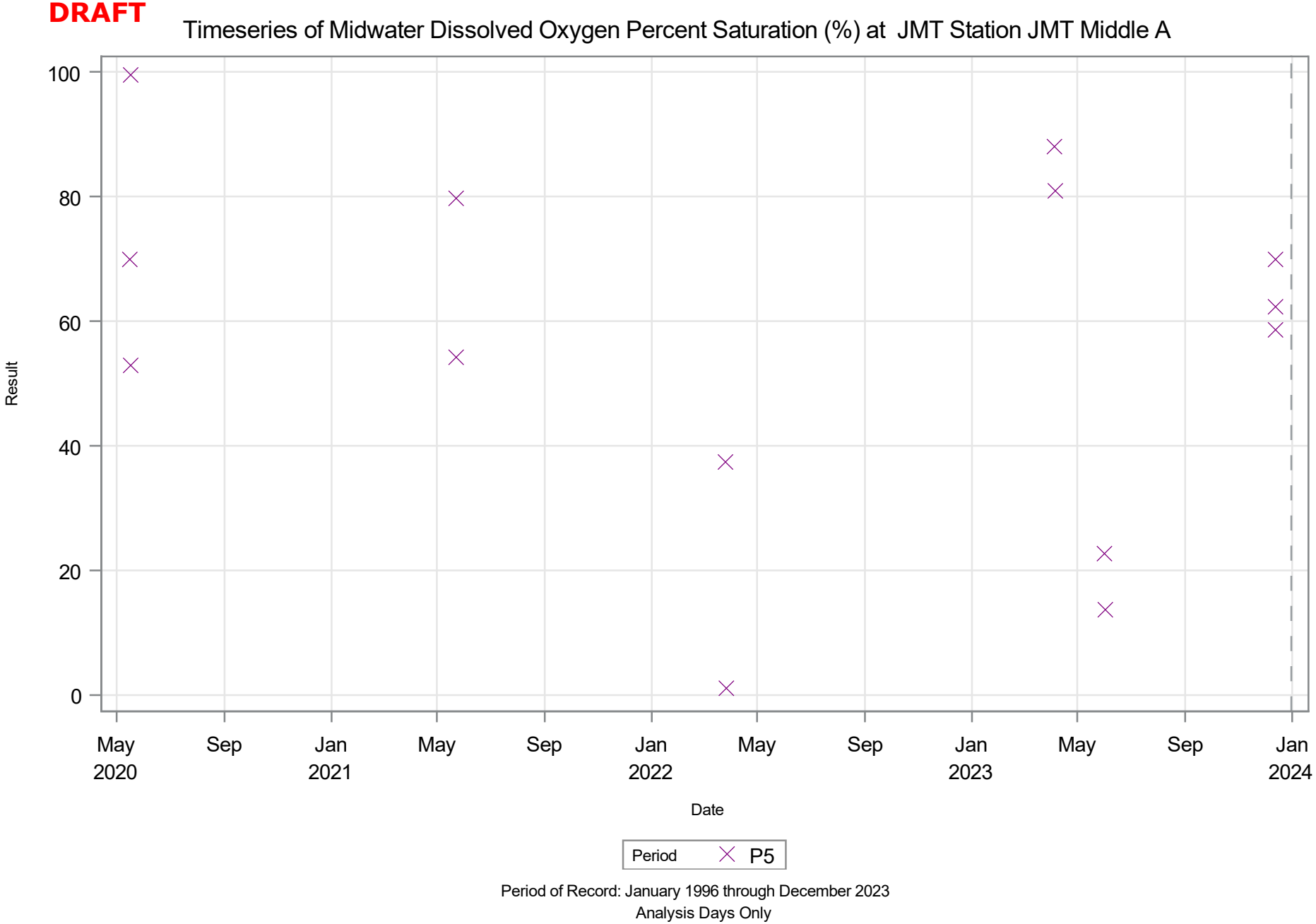
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1.30	9.90	42.14	51.25	64.70	81.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

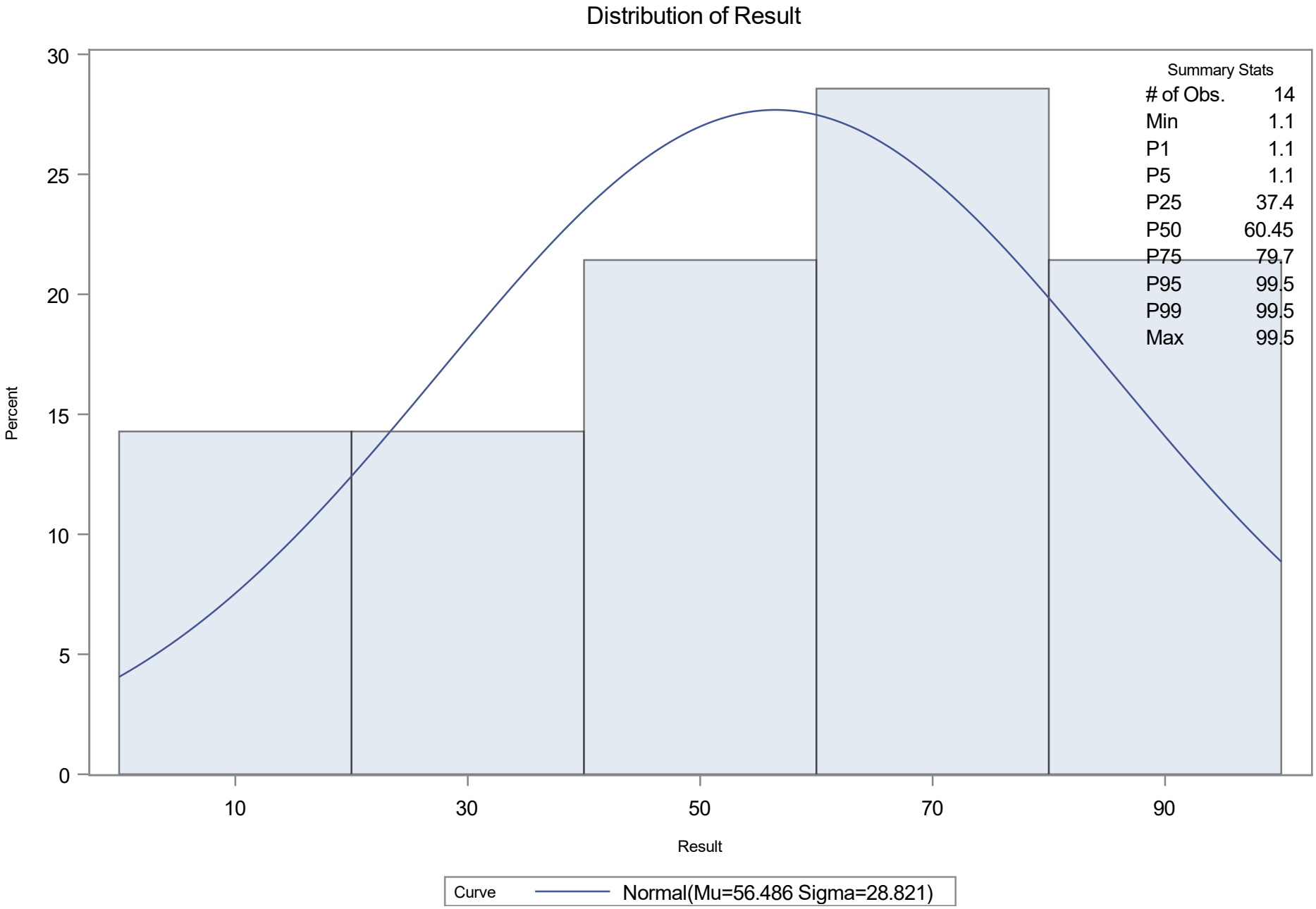

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A
Result
80
60
40
20
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A
Result
100
80
60
40
20
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	56.48571
Std Dev	Sigma	28.82109

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16477991	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04850235	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28877942	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.10000	-10.56216
5.0	1.10000	9.07924
10.0	13.70000	19.55000
25.0	37.40000	37.04619
50.0	60.45000	56.48571
75.0	79.70000	75.92524
90.0	88.00000	93.42143
95.0	99.50000	103.89219
99.0	99.50000	123.53359

Period of Record: January 1996 through December 2023
Analysis Days Only

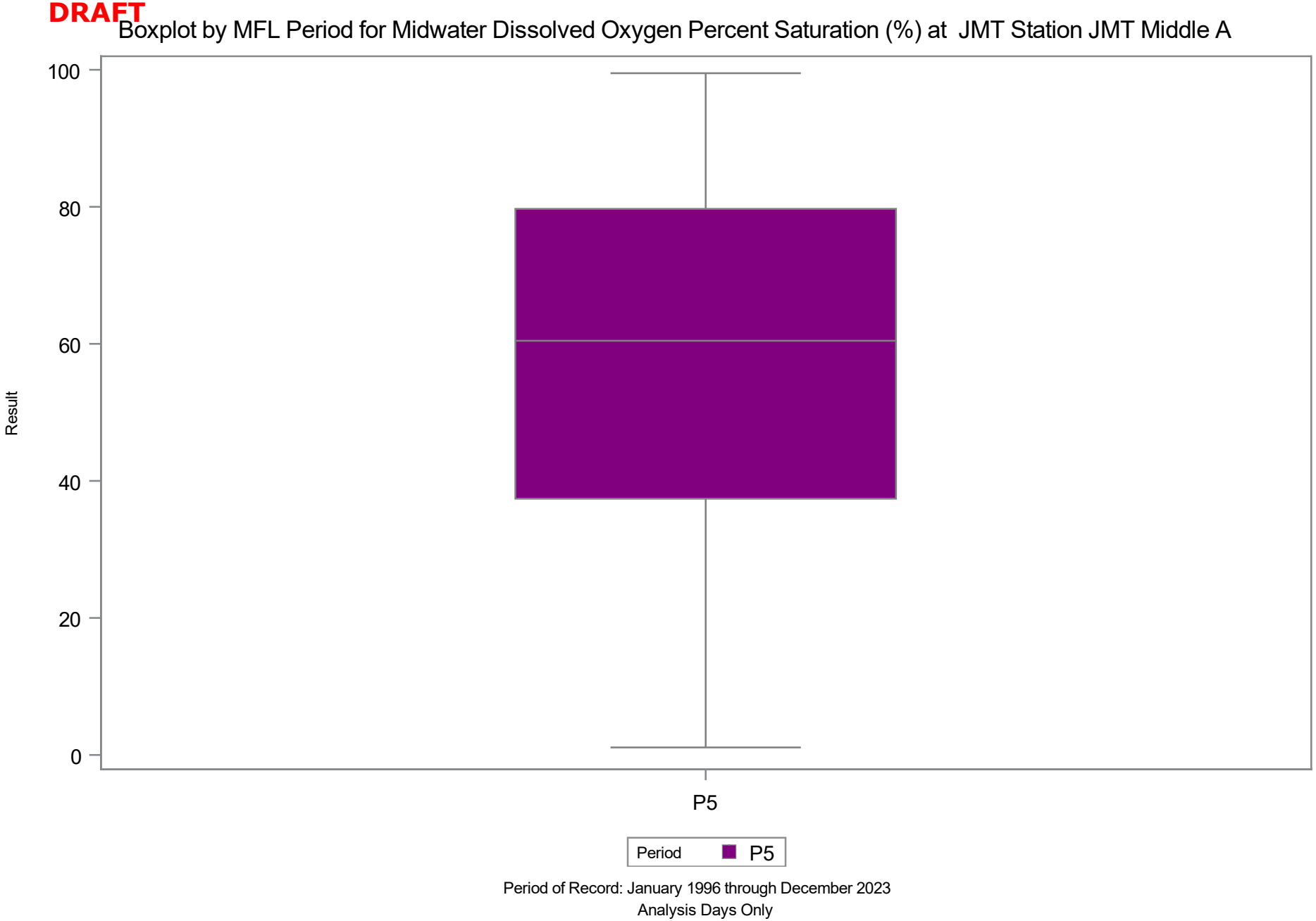
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A

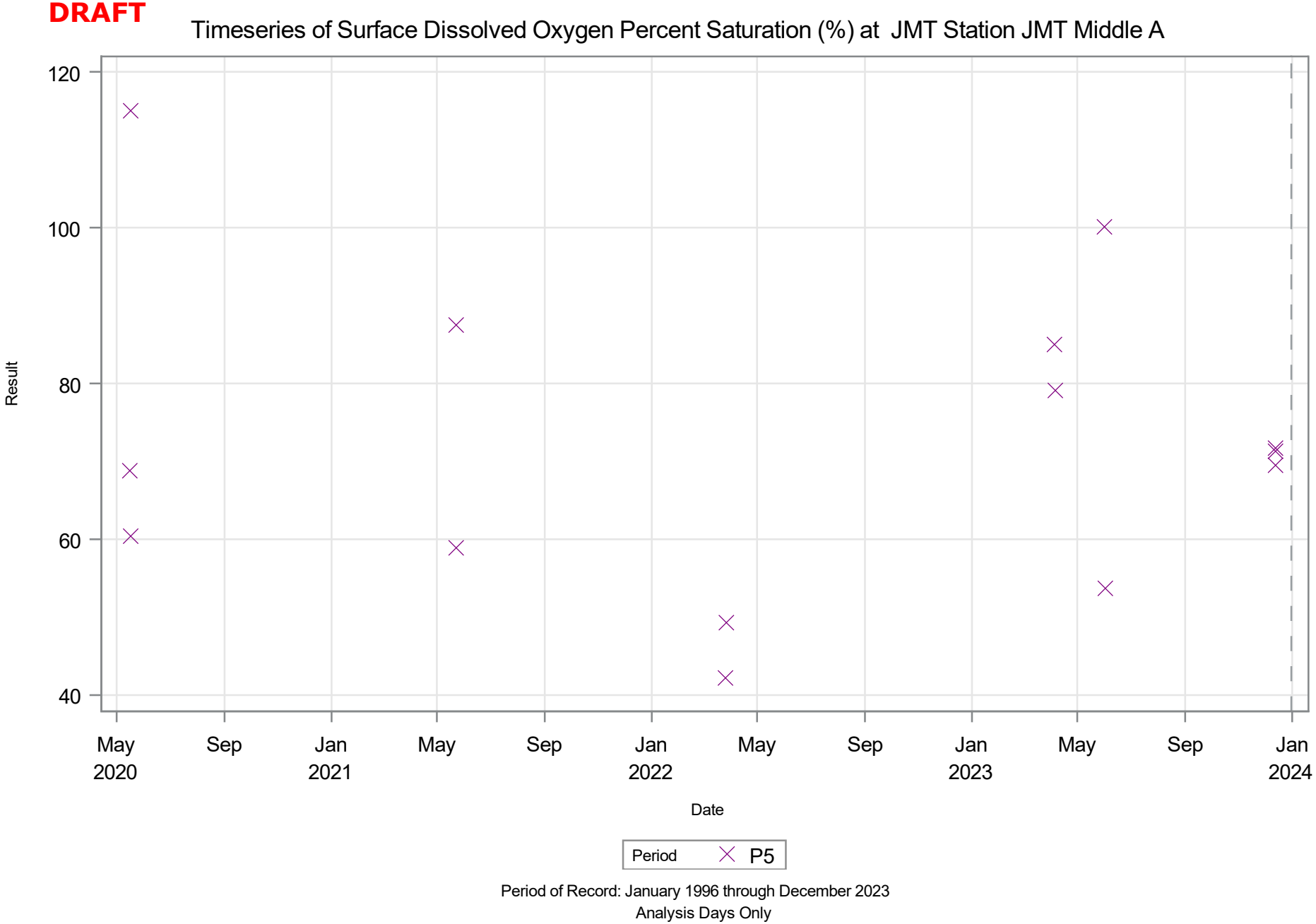
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1.10	37.40	56.49	60.45	79.70	99.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

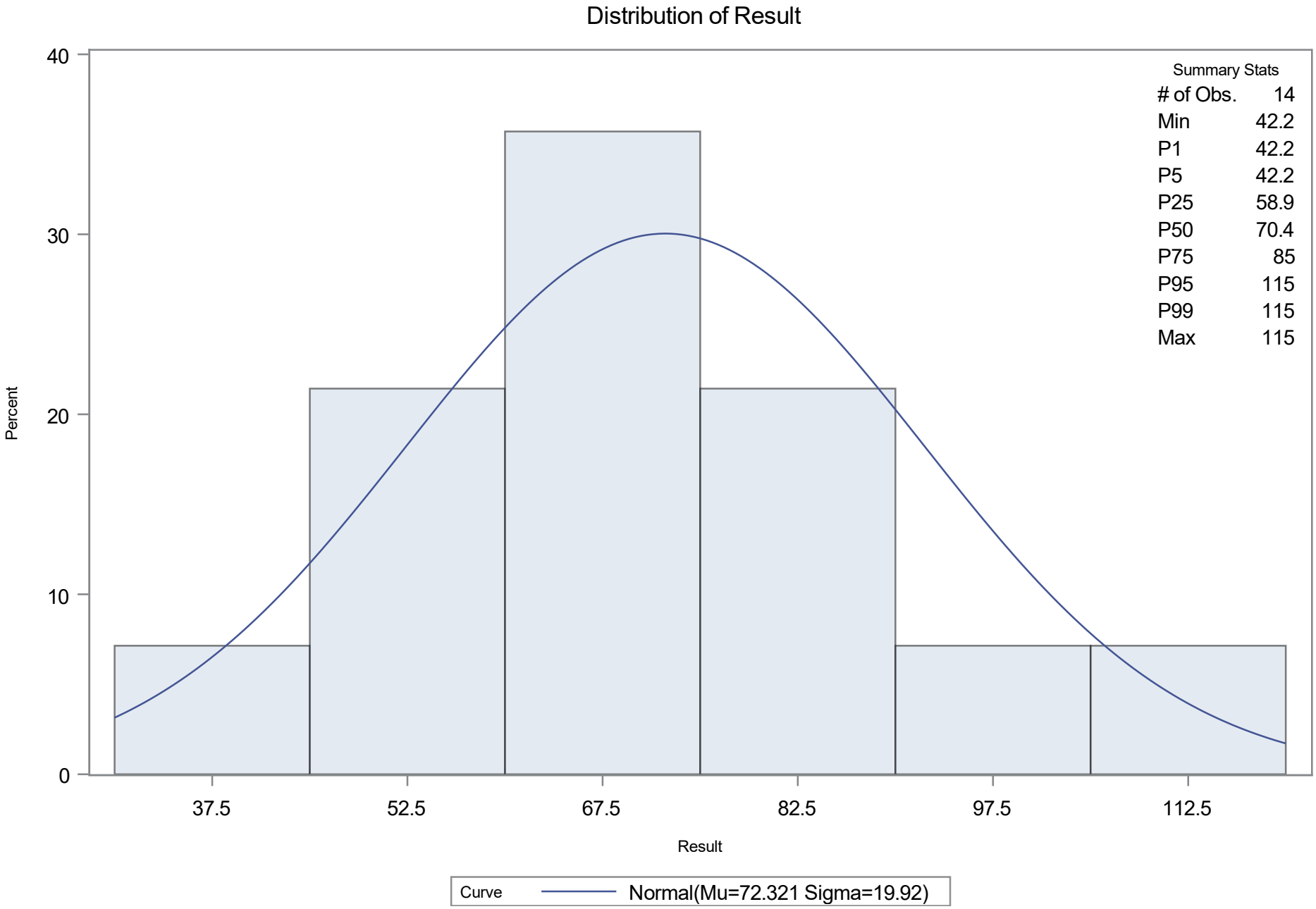

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A
Result
100
80
60
40
20
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A
Result
120
100
80
60
40
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	72.32143
Std Dev	Sigma	19.91961

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15530085	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03376955	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21452521	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	42.2000	25.9815
5.0	42.2000	39.5566
10.0	49.3000	46.7934
25.0	58.9000	58.8859
50.0	70.4000	72.3214
75.0	85.0000	85.7570
90.0	100.1000	97.8494
95.0	115.0000	105.0863
99.0	115.0000	118.6614

Period of Record: January 1996 through December 2023
Analysis Days Only

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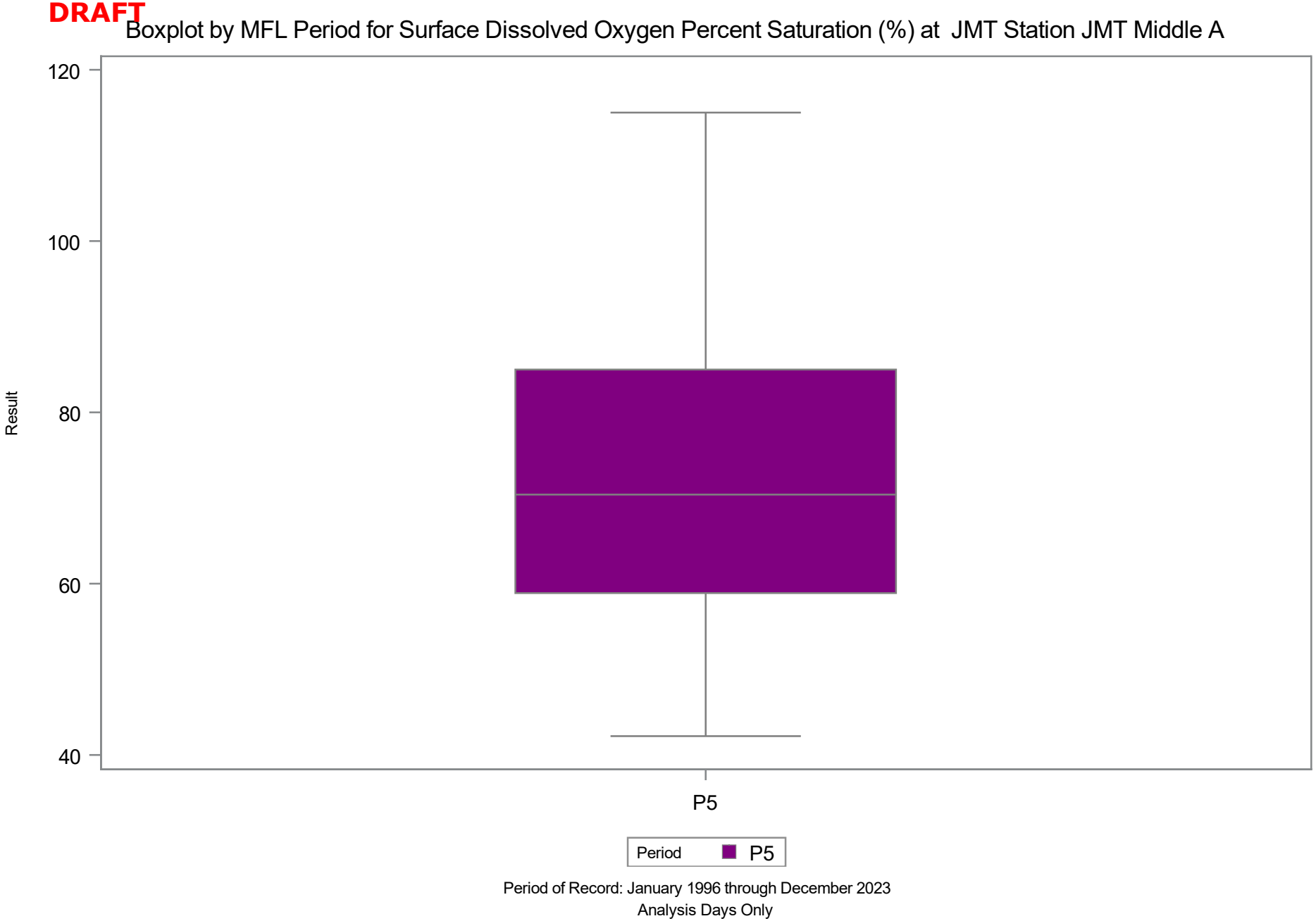
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A

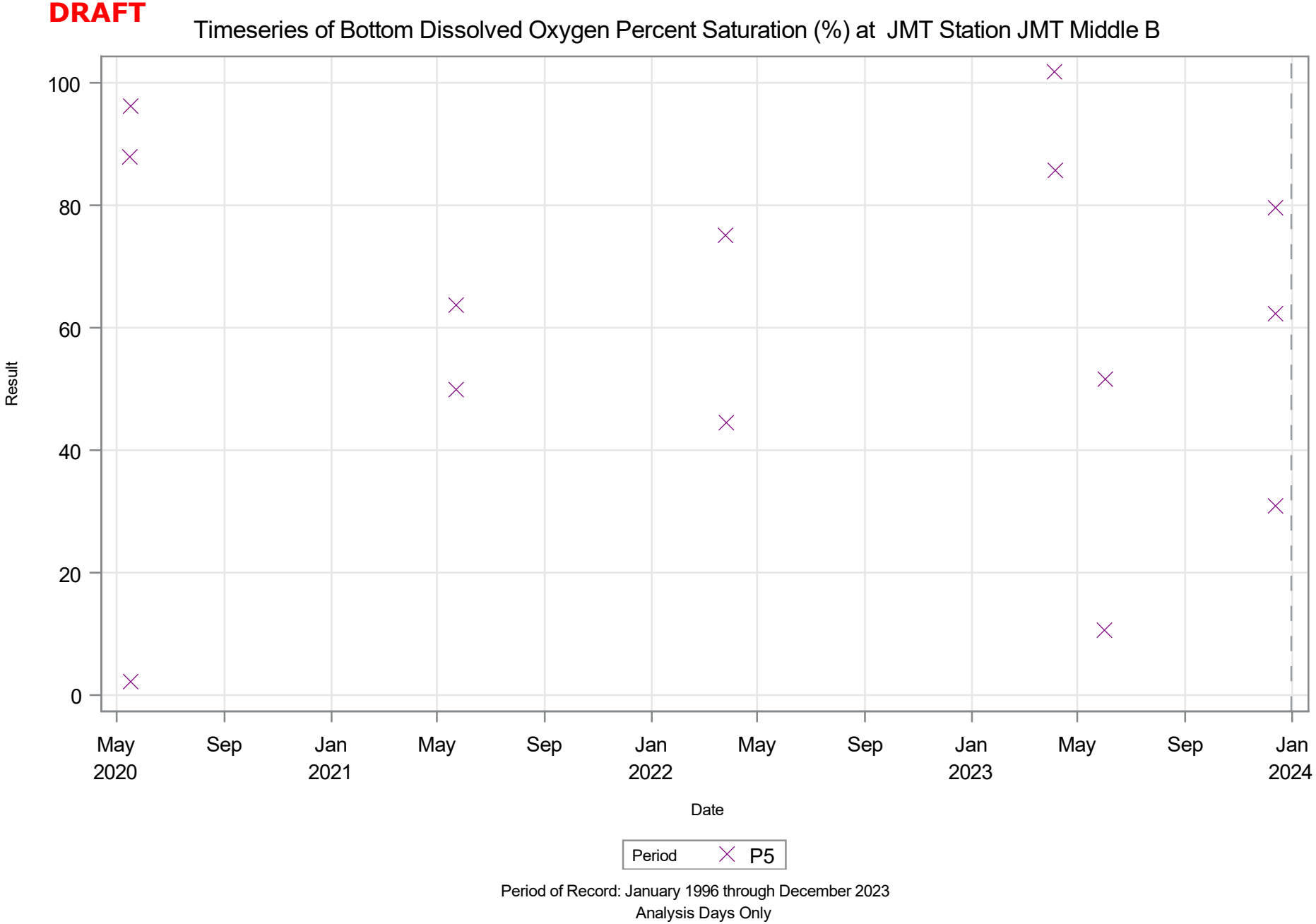
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	42.20	58.90	72.32	70.40	85.00	115.00

Period of Record: January 1996 through December 2023
Analysis Days Only

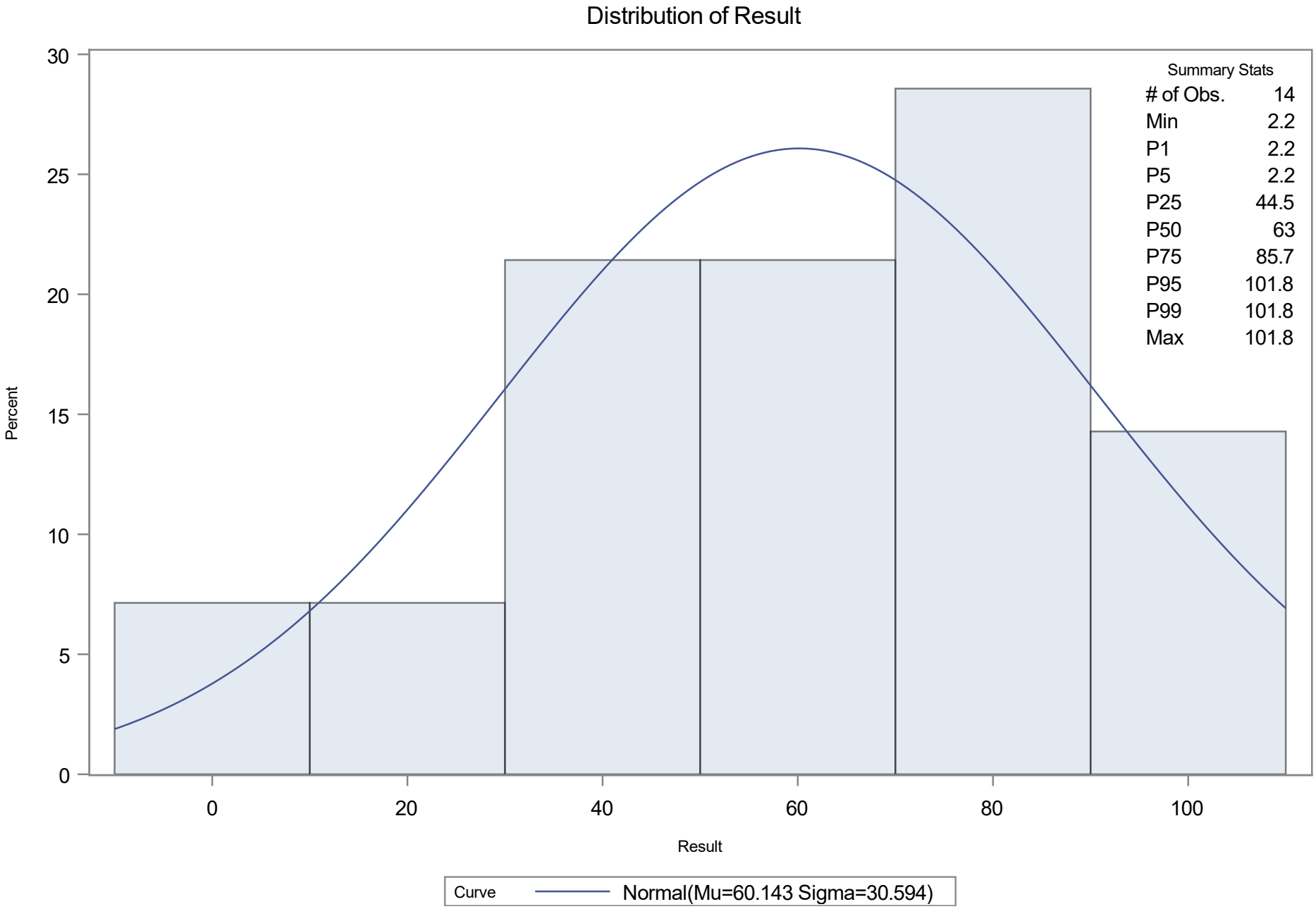
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle A
120
100
80
60
40
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B
Result
100
80
60
40
20
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	60.14286
Std Dev	Sigma	30.59446

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11610952	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03349644	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25107084	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.20000	-11.03050
5.0	2.20000	9.81945
10.0	10.60000	20.93448
25.0	44.50000	39.50721
50.0	63.00000	60.14286
75.0	85.70000	80.77851
90.0	96.20000	99.35124
95.0	101.80000	110.46627
99.0	101.80000	131.31622

Period of Record: January 1996 through December 2023
Analysis Days Only

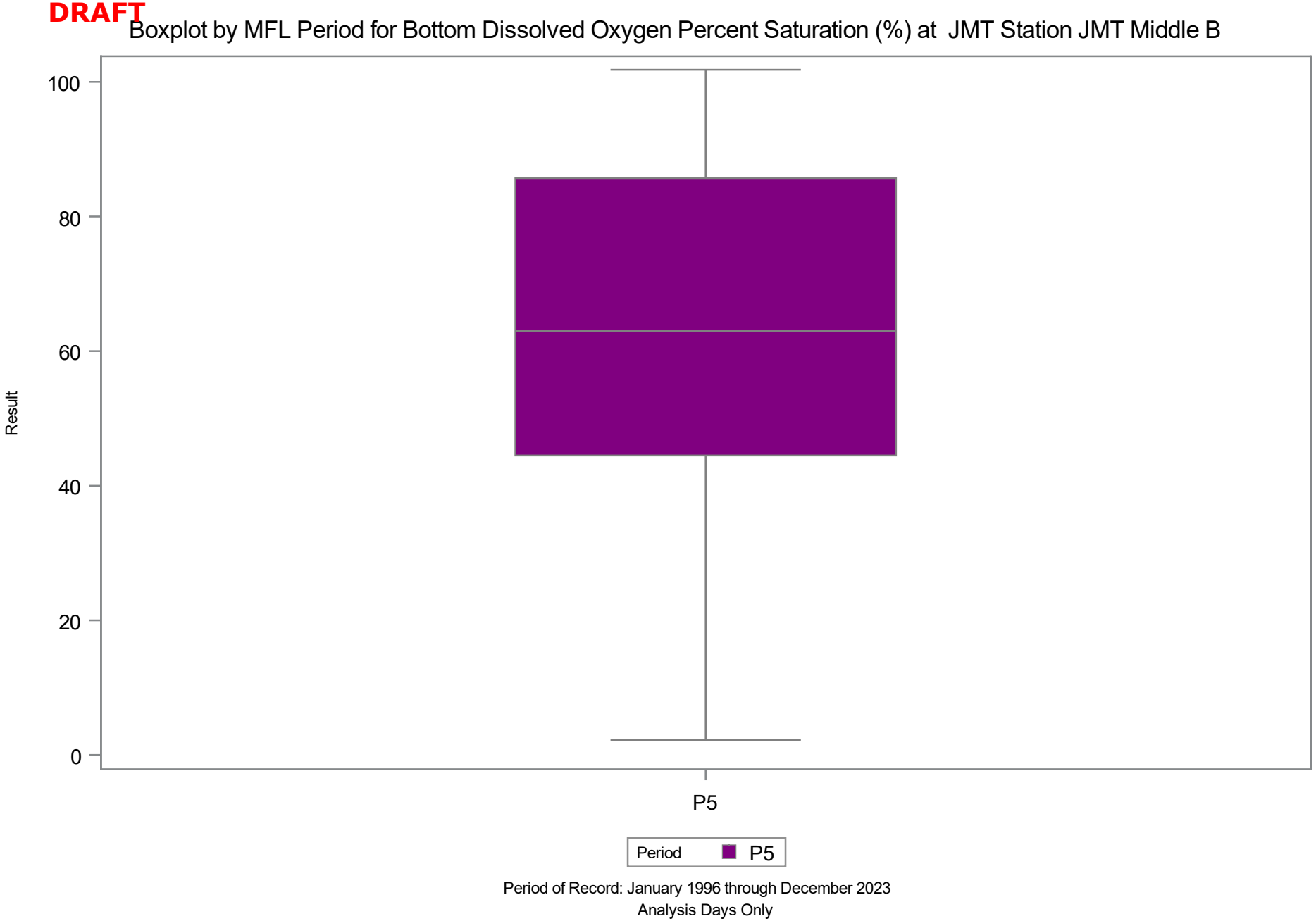
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.20	44.50	60.14	63.00	85.70	101.80

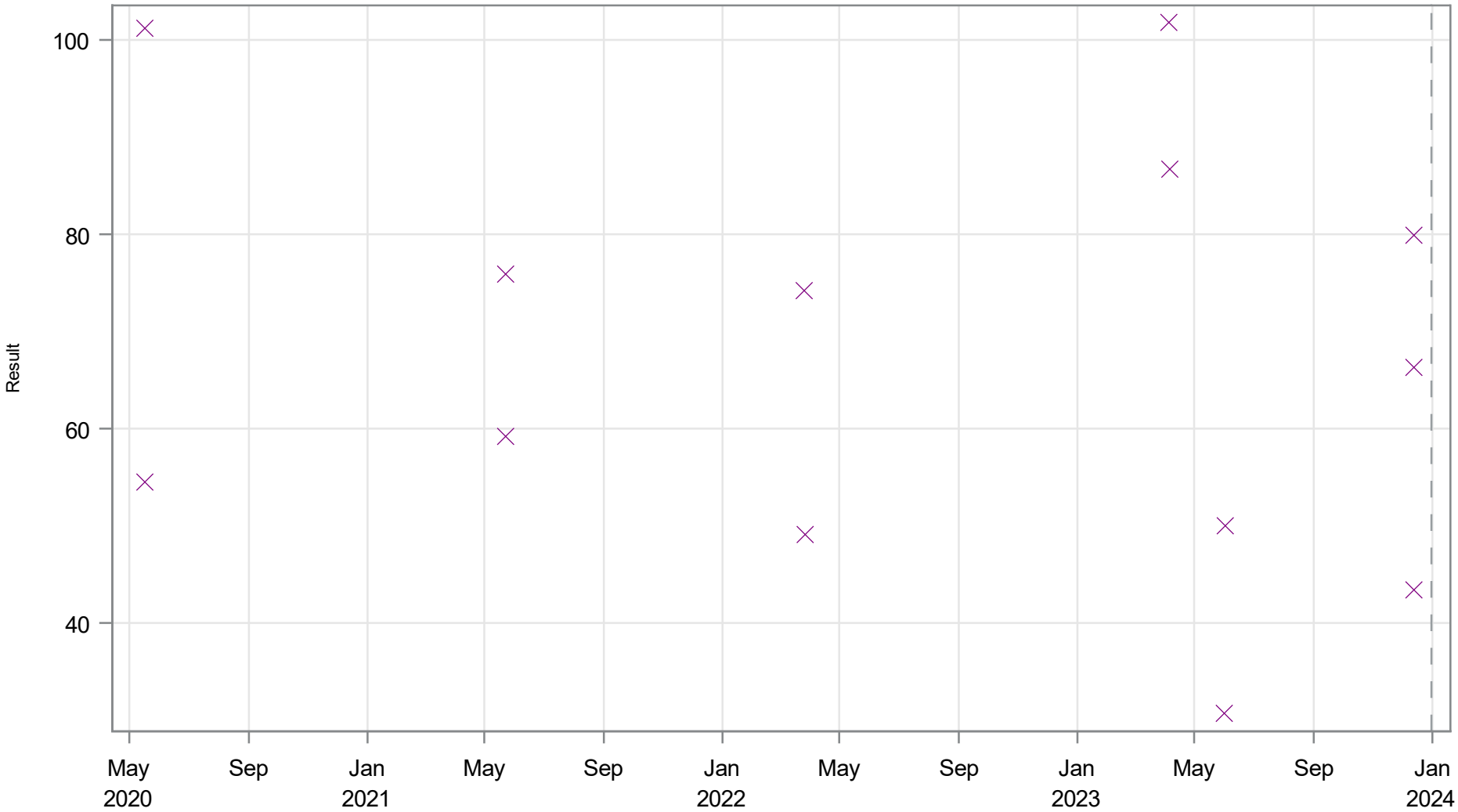
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B
Result
100
80
60
40
20
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

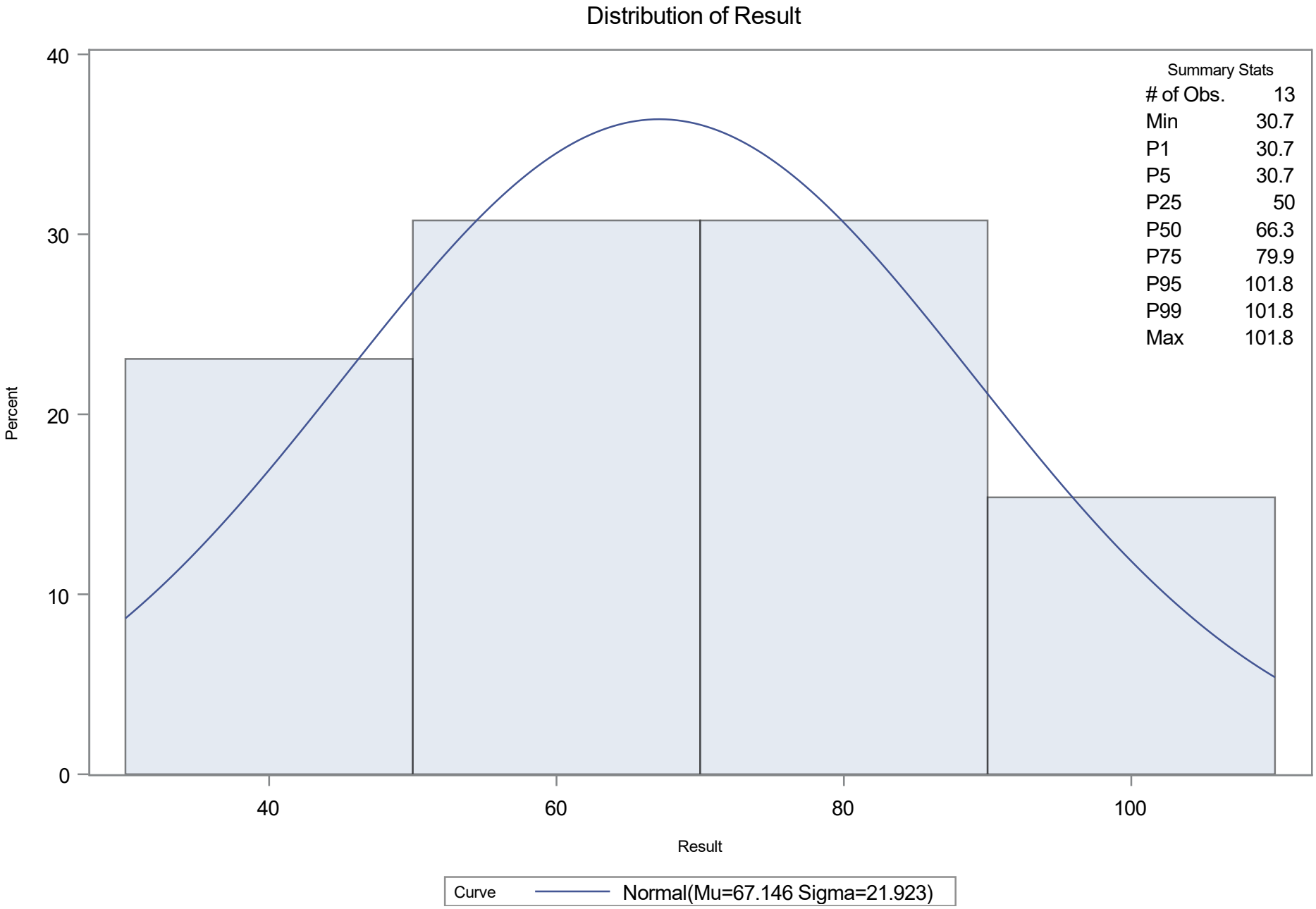
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	67.14615
Std Dev	Sigma	21.92334

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10303126	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02446573	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18528149	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	30.7000	16.1448
5.0	30.7000	31.0855
10.0	43.4000	39.0503
25.0	50.0000	52.3591
50.0	66.3000	67.1462
75.0	79.9000	81.9332
90.0	101.2000	95.2420
95.0	101.8000	103.2068
99.0	101.8000	118.1475

Period of Record: January 1996 through December 2023
Analysis Days Only

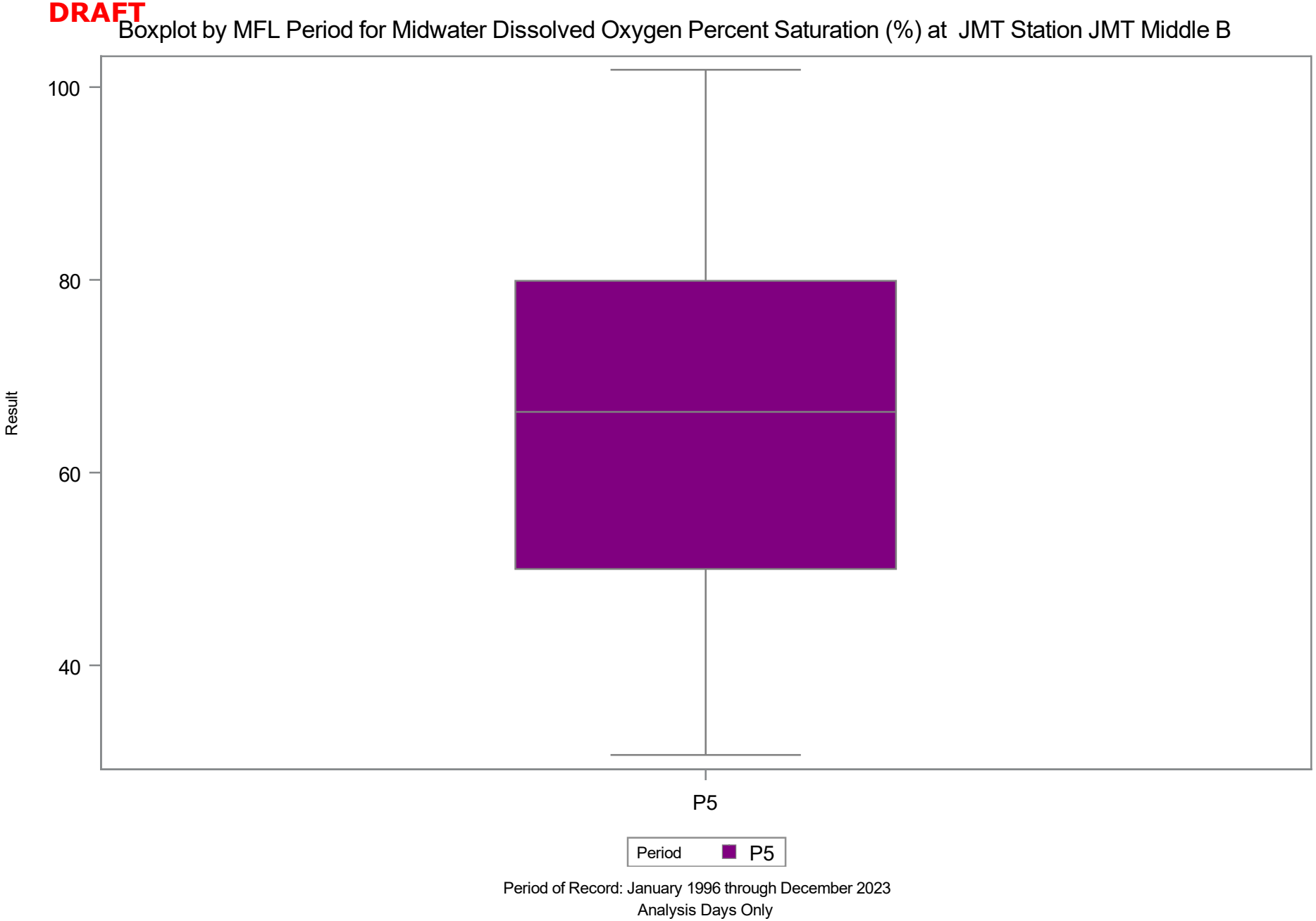
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B

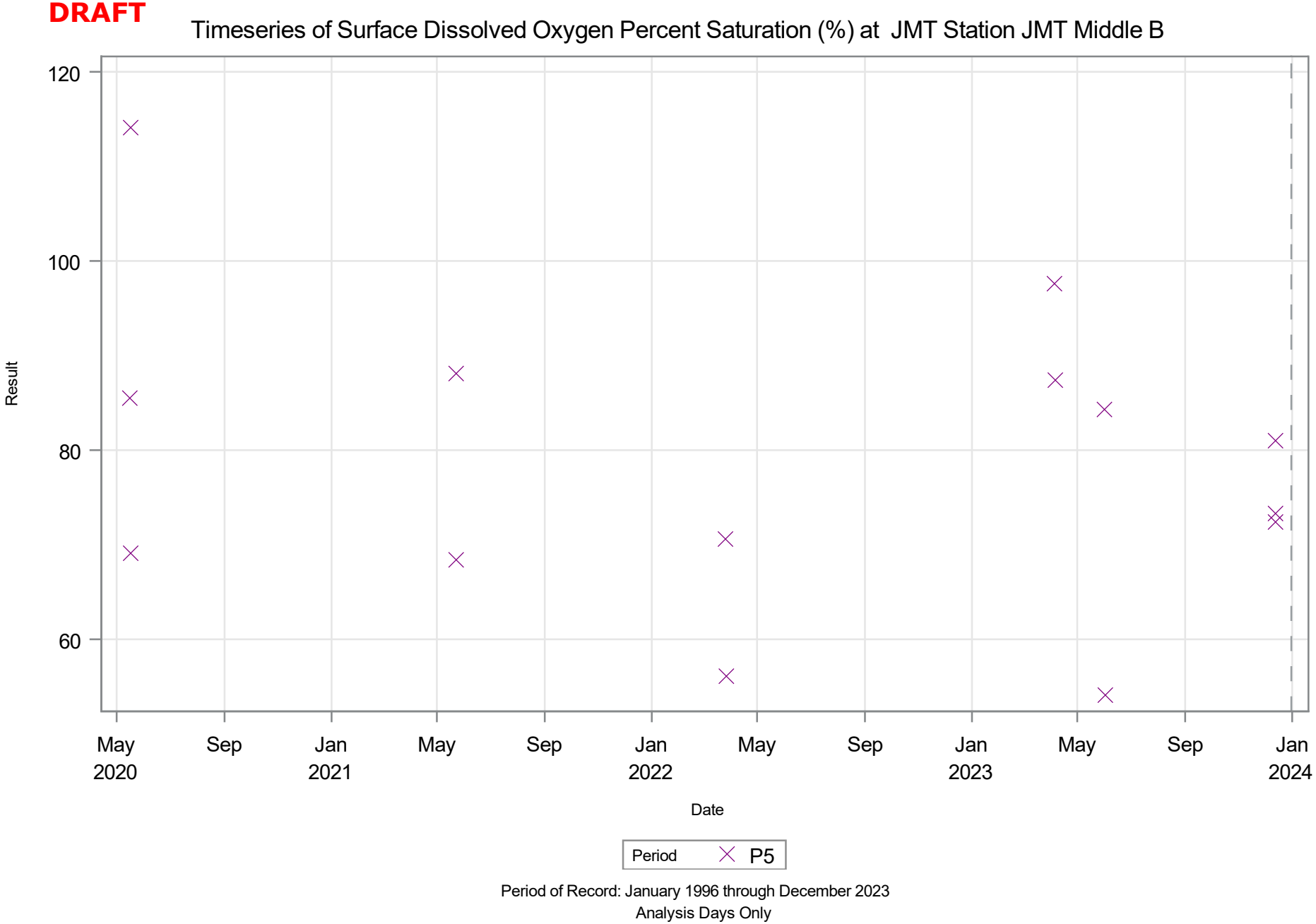
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	30.70	50.00	67.15	66.30	79.90	101.80

Period of Record: January 1996 through December 2023
Analysis Days Only

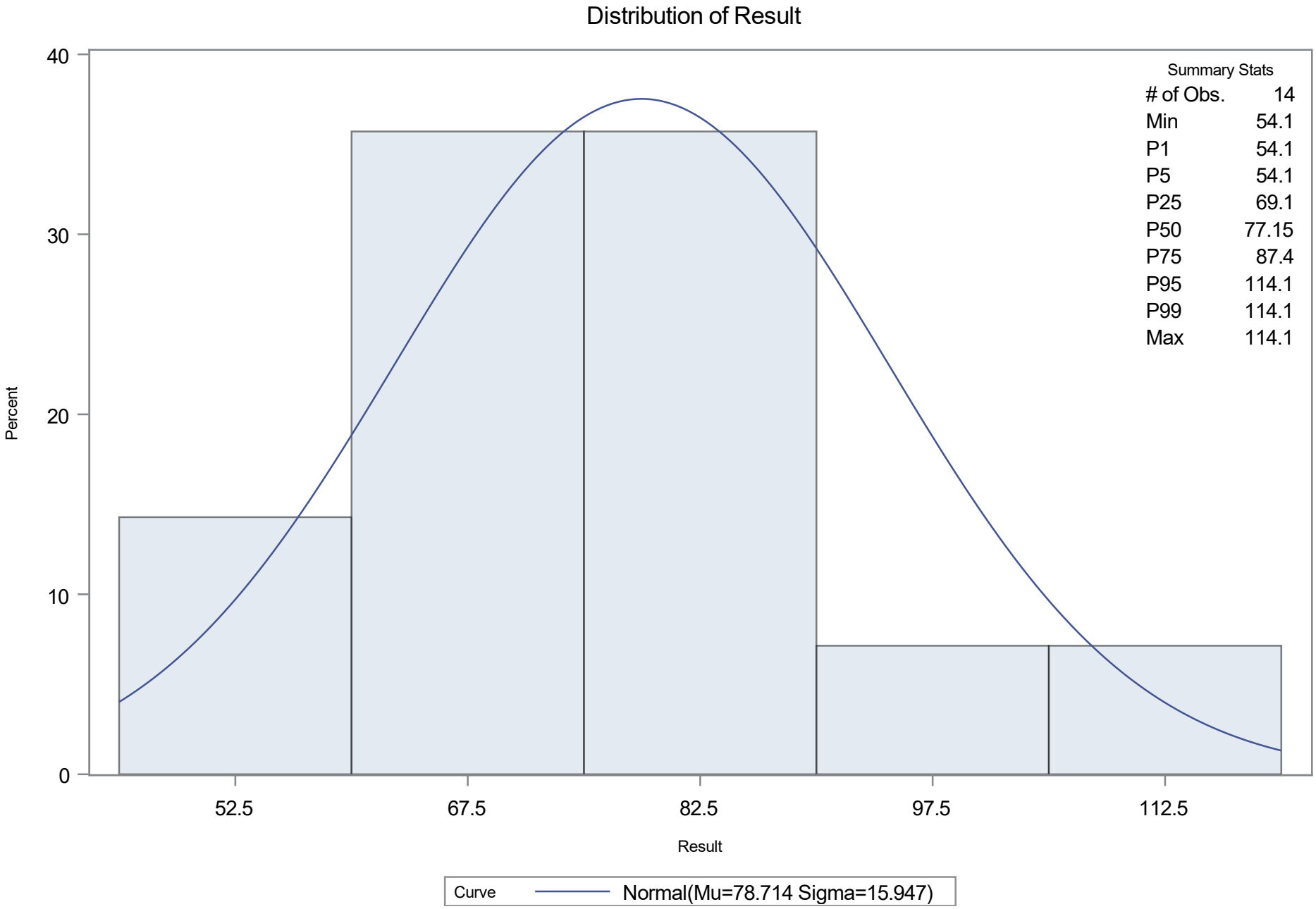
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B
100
80
60
40
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B
120
100
80
60
Result
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	78.71429
Std Dev	Sigma	15.94688

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13522065	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04024132	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26922156	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	54.1000	41.6163
5.0	54.1000	52.4840
10.0	56.1000	58.2775
25.0	69.1000	67.9583
50.0	77.1500	78.7143
75.0	87.4000	89.4703
90.0	97.6000	99.1510
95.0	114.1000	104.9446
99.0	114.1000	115.8123

Period of Record: January 1996 through December 2023
Analysis Days Only

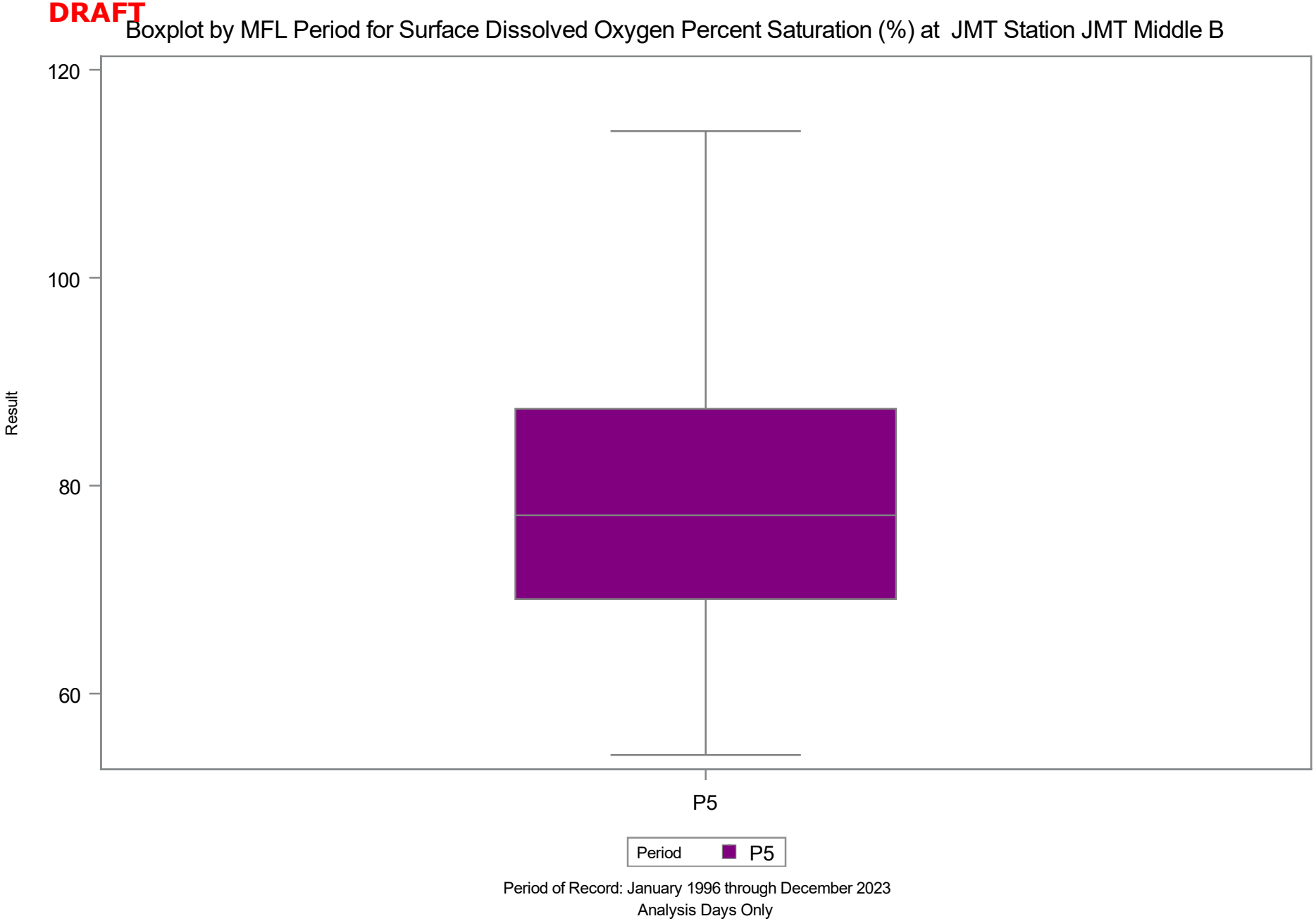
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B

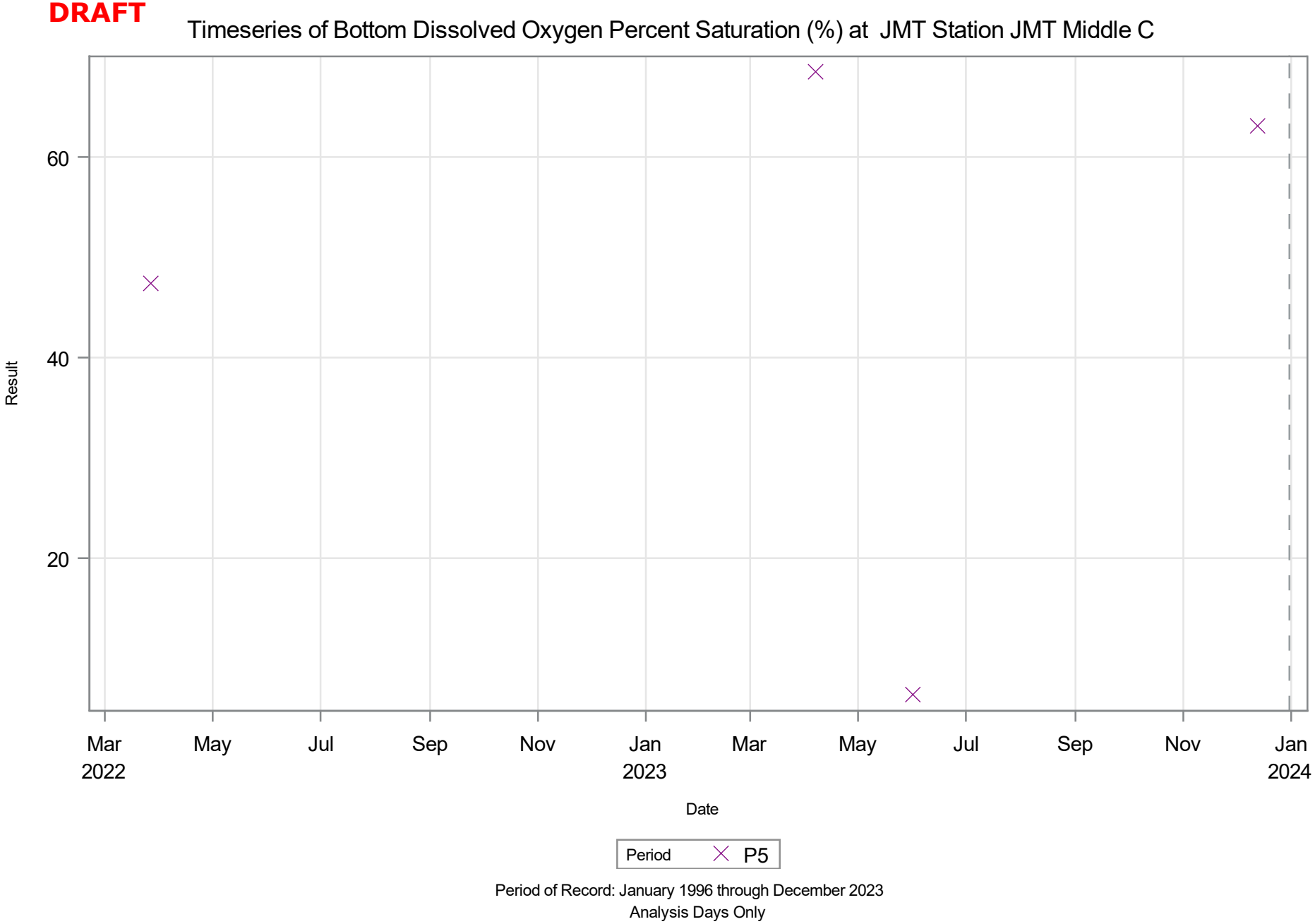
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	54.10	69.10	78.71	77.15	87.40	114.10

Period of Record: January 1996 through December 2023
Analysis Days Only

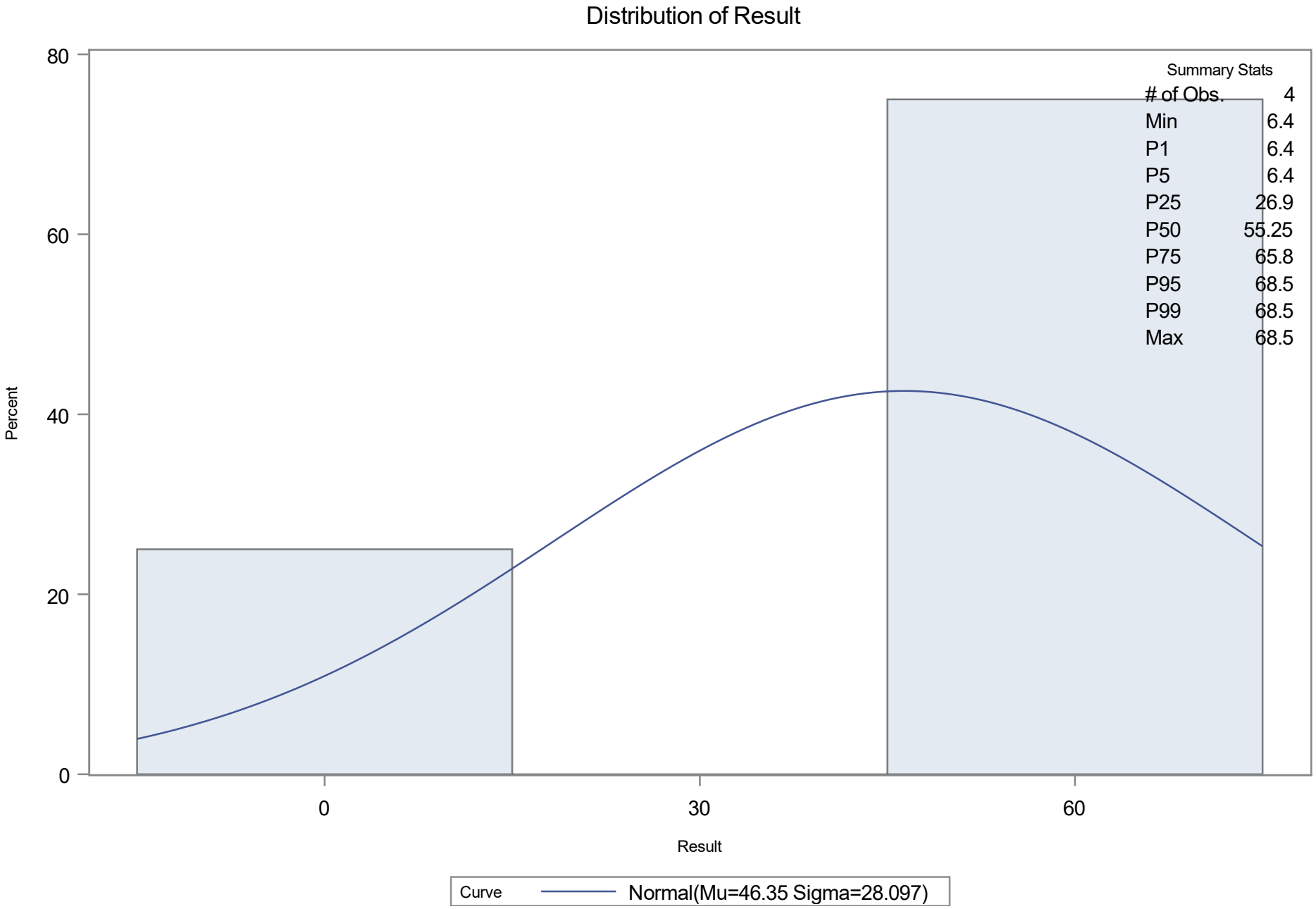
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle B
120
100
80
60
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C
Result
60
40
20
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	46.35
Std Dev	Sigma	28.0968

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26490533	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06069761	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36043864	**Pr > A-Sq**	0.240

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.40000	-19.01292
5.0	6.40000	0.13488
10.0	6.40000	10.34251
25.0	26.90000	27.39900
50.0	55.25000	46.35000
75.0	65.80000	65.30100
90.0	68.50000	82.35749
95.0	68.50000	92.56512
99.0	68.50000	111.71292

Period of Record: January 1996 through December 2023
Analysis Days Only

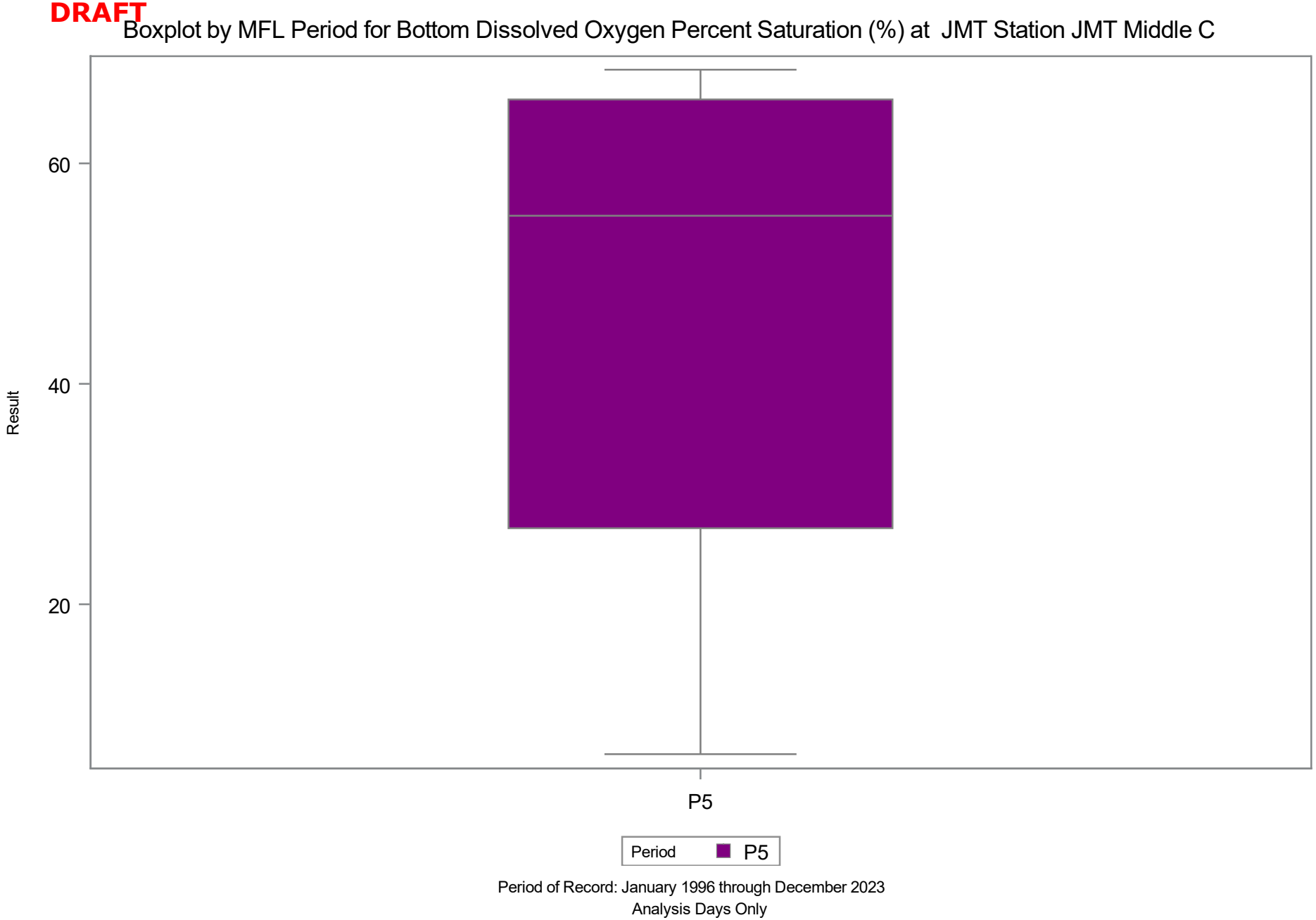
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	6.40	26.90	46.35	55.25	65.80	68.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C
Result
60
40
20
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

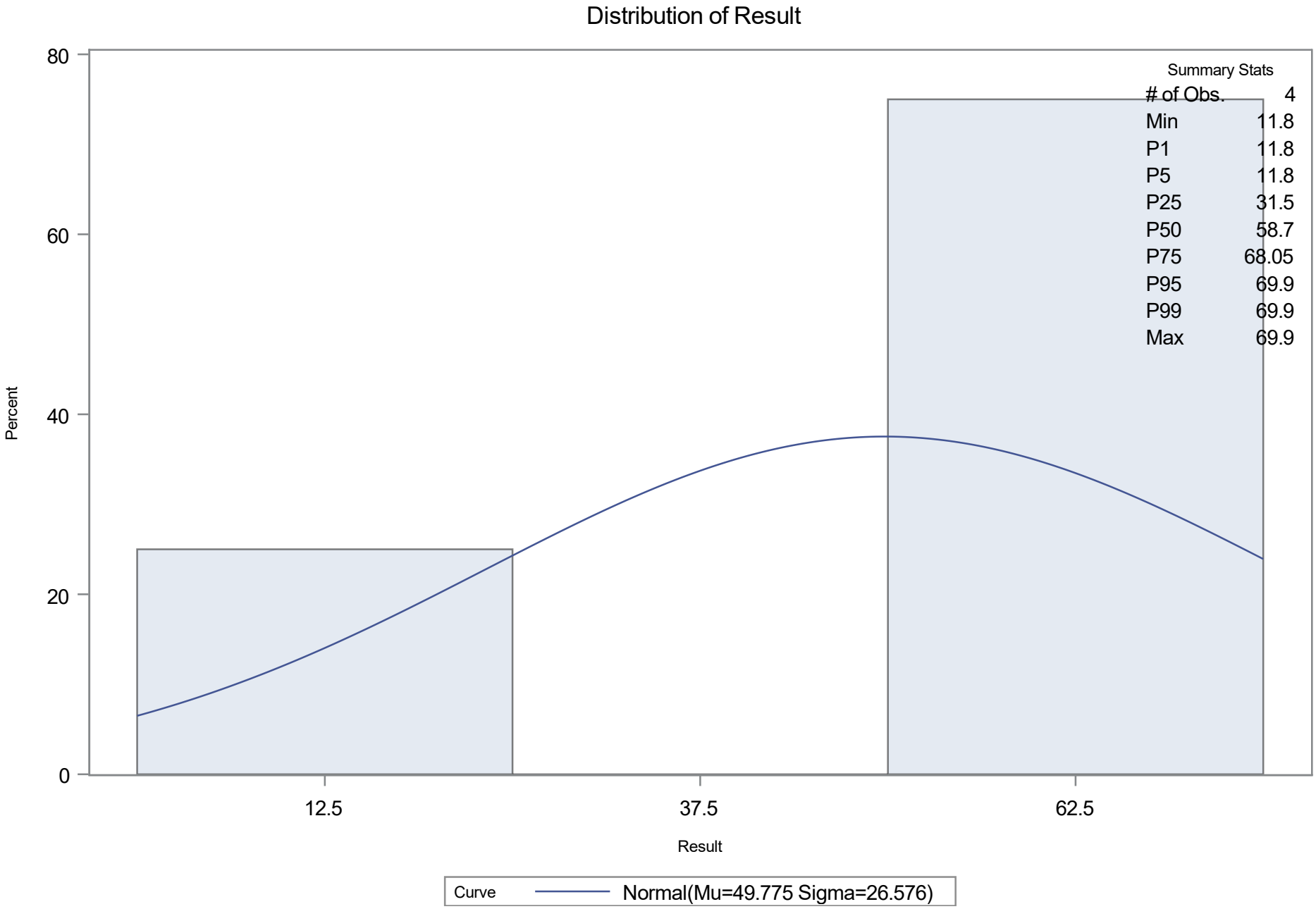
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	49.775
Std Dev	Sigma	26.57648

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27138058	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06589106	**Pr > W-Sq**	0.249
Anderson-Darling	**A-Sq**	0.38697096	**Pr > A-Sq**	0.202

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.8000	-12.05113
5.0	11.8000	6.06058
10.0	11.8000	15.71587
25.0	31.5000	31.84944
50.0	58.7000	49.77500
75.0	68.0500	67.70056
90.0	69.9000	83.83413
95.0	69.9000	93.48942
99.0	69.9000	111.60113

Period of Record: January 1996 through December 2023
Analysis Days Only

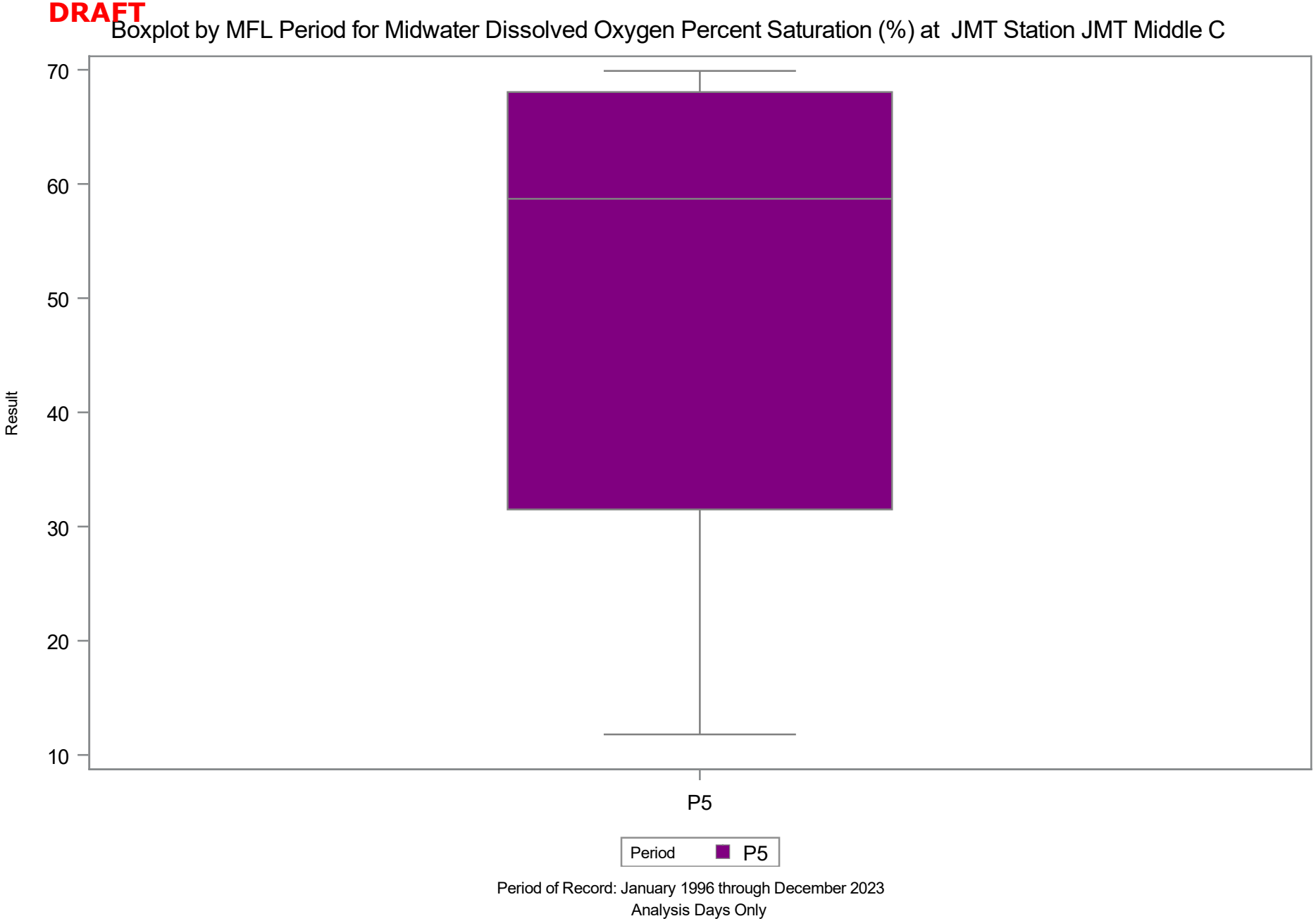
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	11.80	31.50	49.78	58.70	68.05	69.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C
Result
70
60
50
40
30
20
10
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

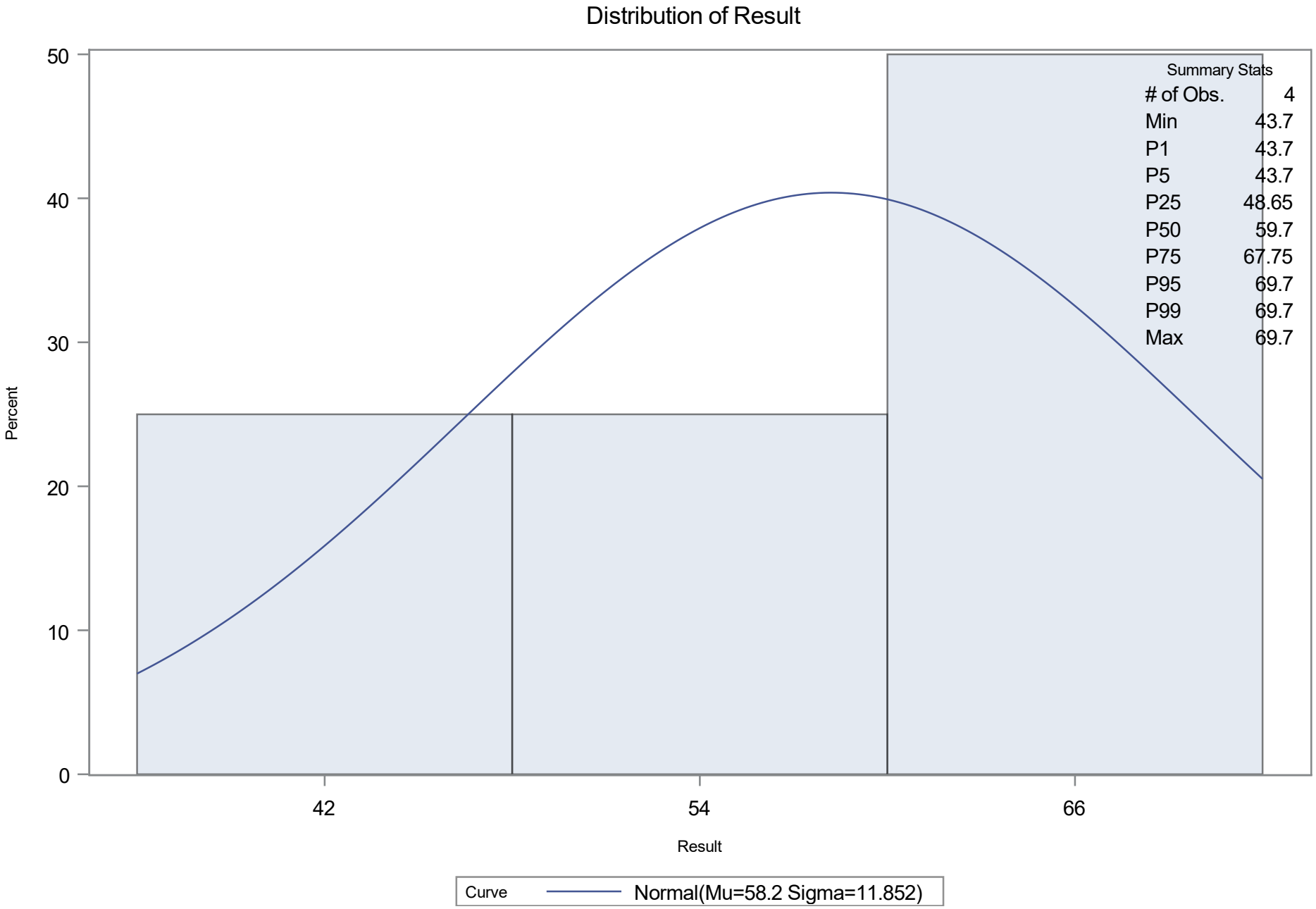
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	58.2
Std Dev	Sigma	11.85214

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23931472	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03646371	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23410108	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	43.7000	30.6278
5.0	43.7000	38.7050
10.0	43.7000	43.0109
25.0	48.6500	50.2058
50.0	59.7000	58.2000
75.0	67.7500	66.1942
90.0	69.7000	73.3891
95.0	69.7000	77.6950
99.0	69.7000	85.7722

Period of Record: January 1996 through December 2023
Analysis Days Only

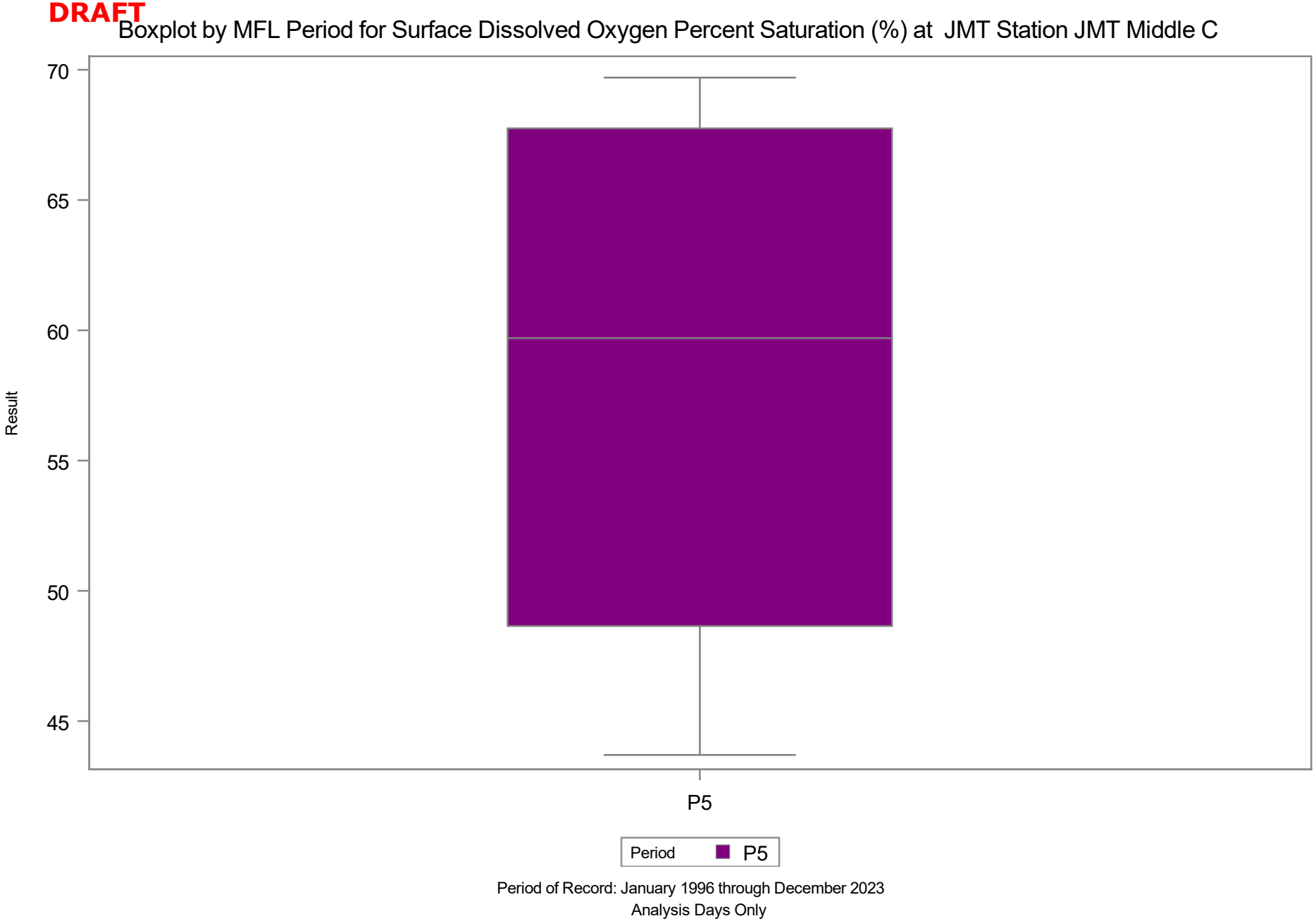
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	43.70	48.65	58.20	59.70	67.75	69.70

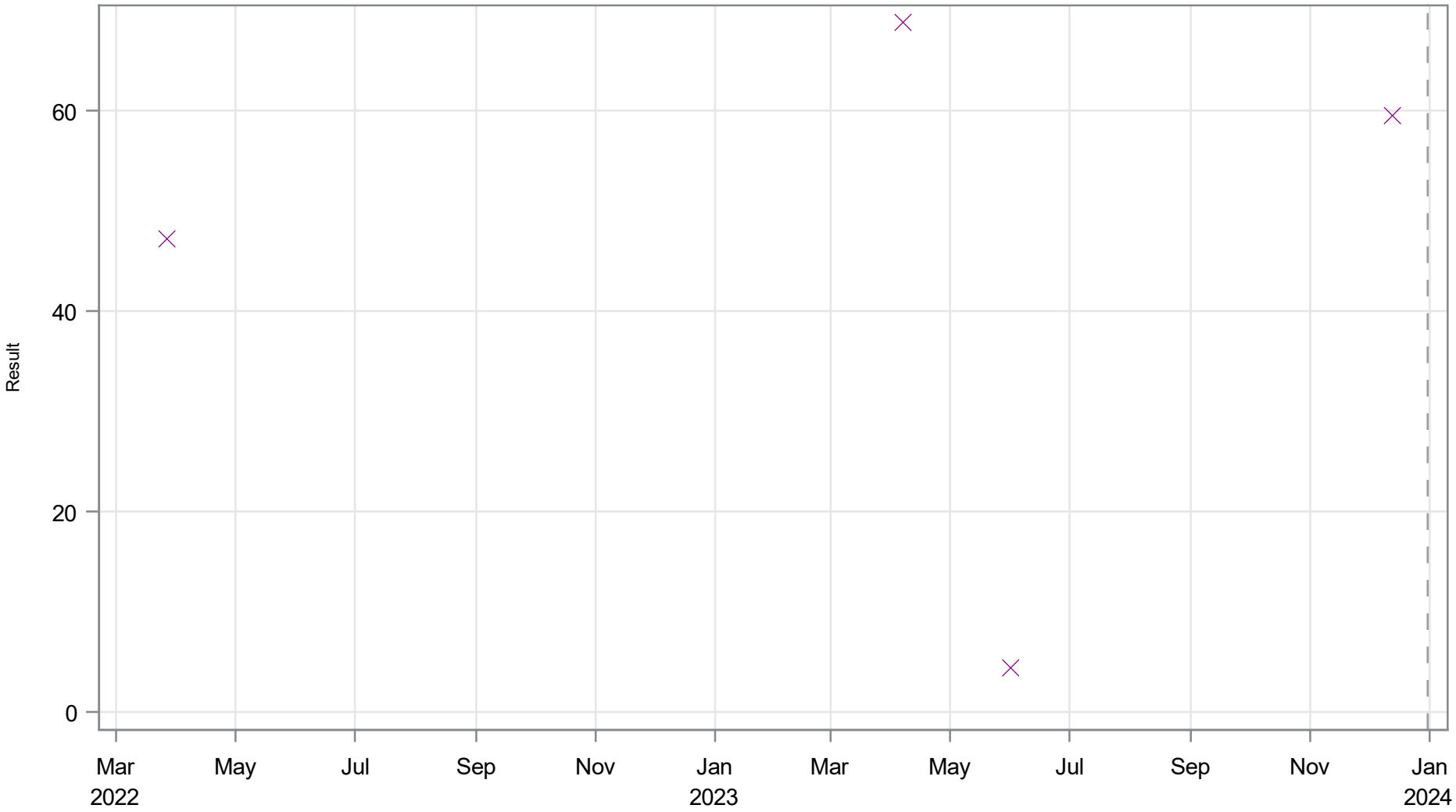
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle C
70
65
60
55
50
45
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

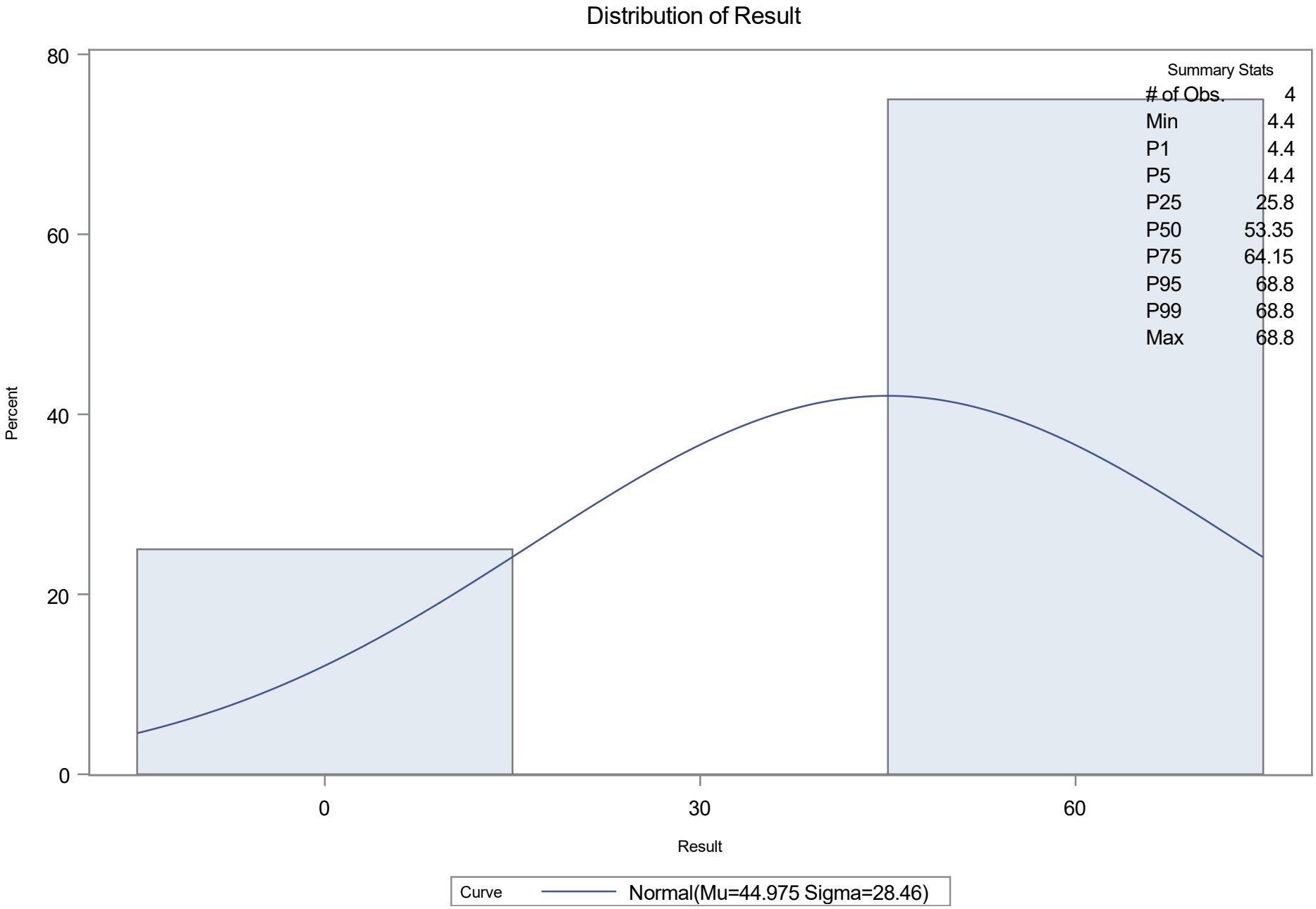
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	44.975
Std Dev	Sigma	28.45984

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28115770	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05825402	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34212052	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.40000	-21.23249
5.0	4.40000	-1.83727
10.0	4.40000	8.50225
25.0	25.80000	25.77913
50.0	53.35000	44.97500
75.0	64.15000	64.17087
90.0	68.80000	81.44775
95.0	68.80000	91.78727
99.0	68.80000	111.18249

Period of Record: January 1996 through December 2023
Analysis Days Only

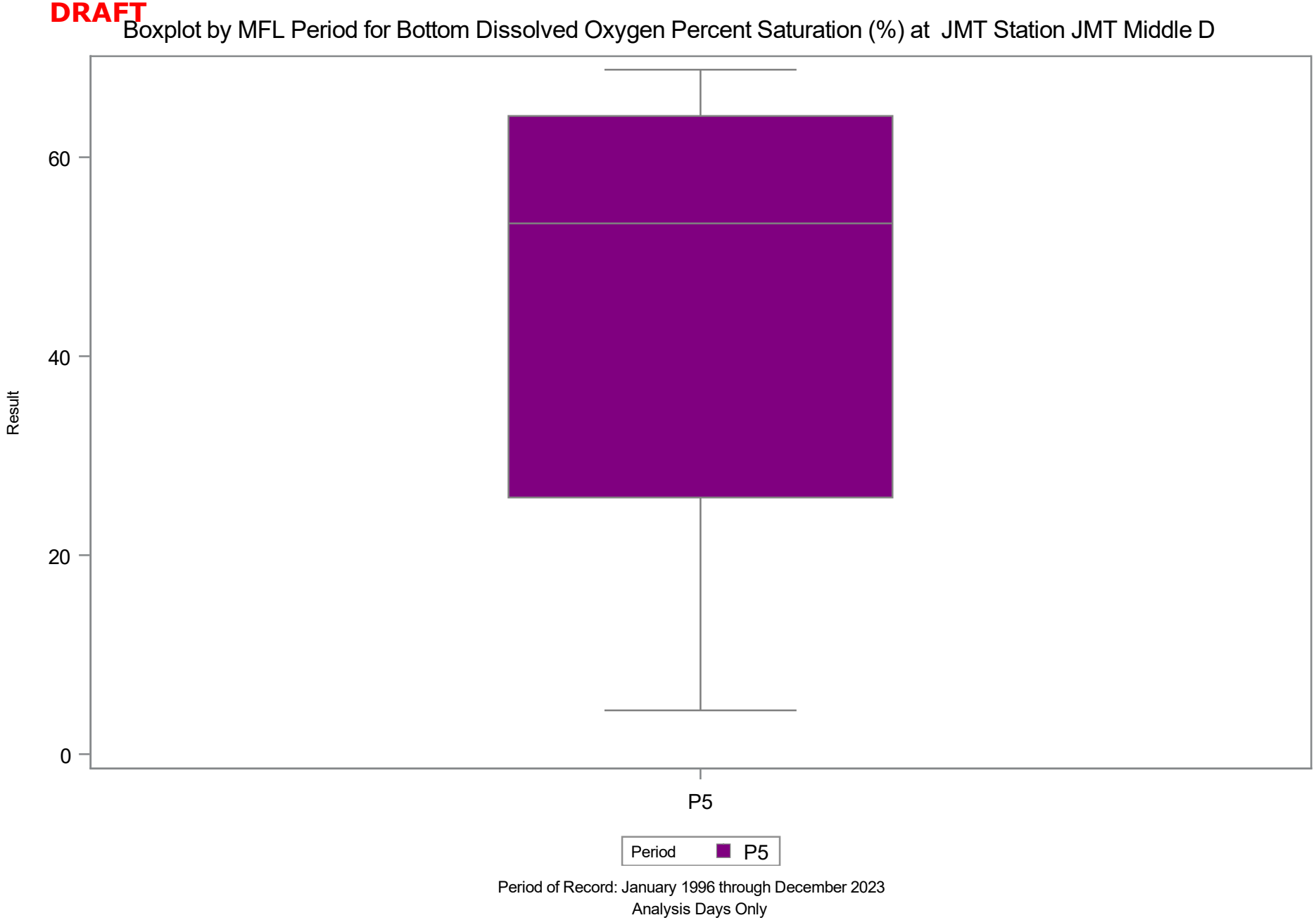
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D

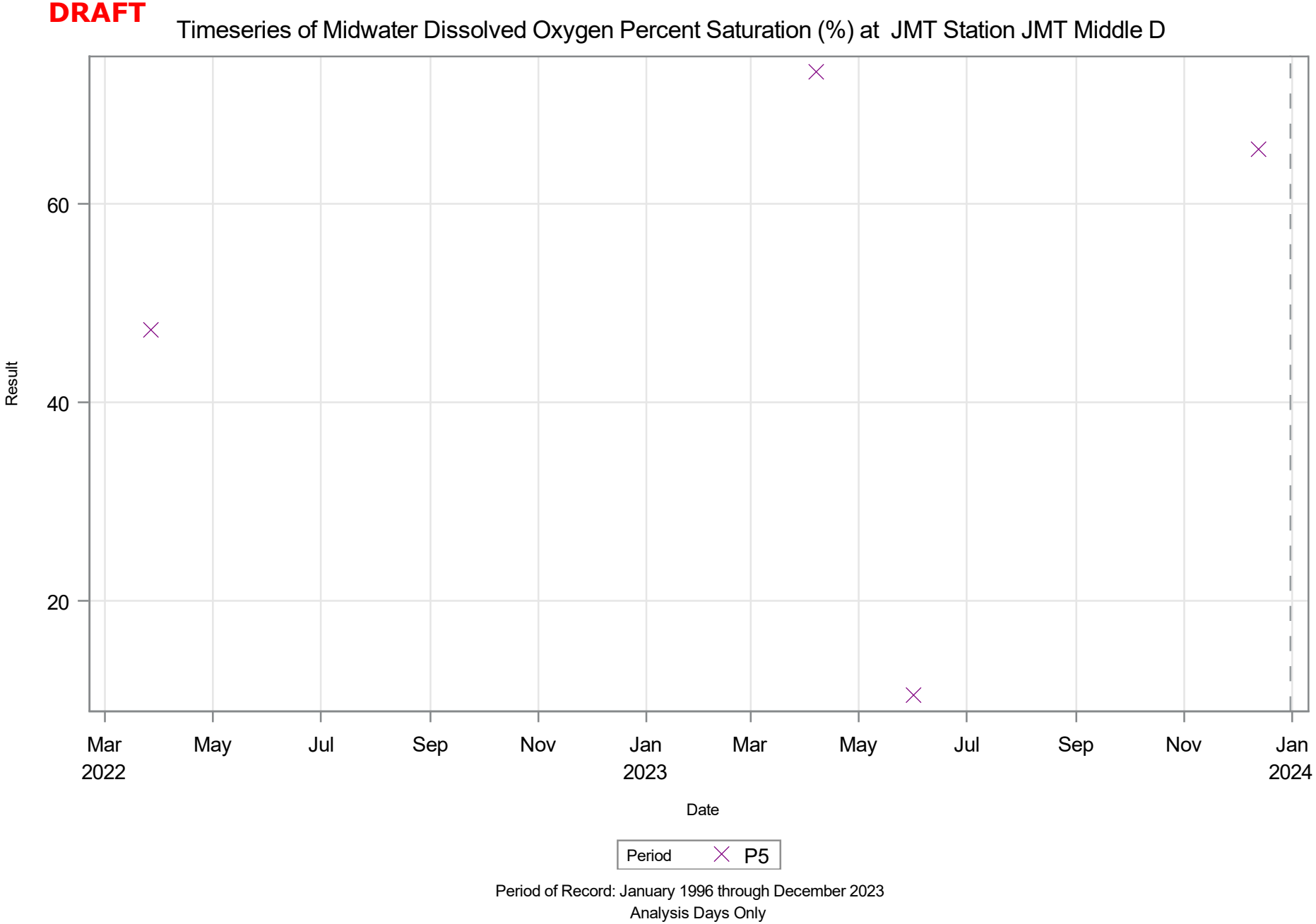
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	4.40	25.80	44.98	53.35	64.15	68.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

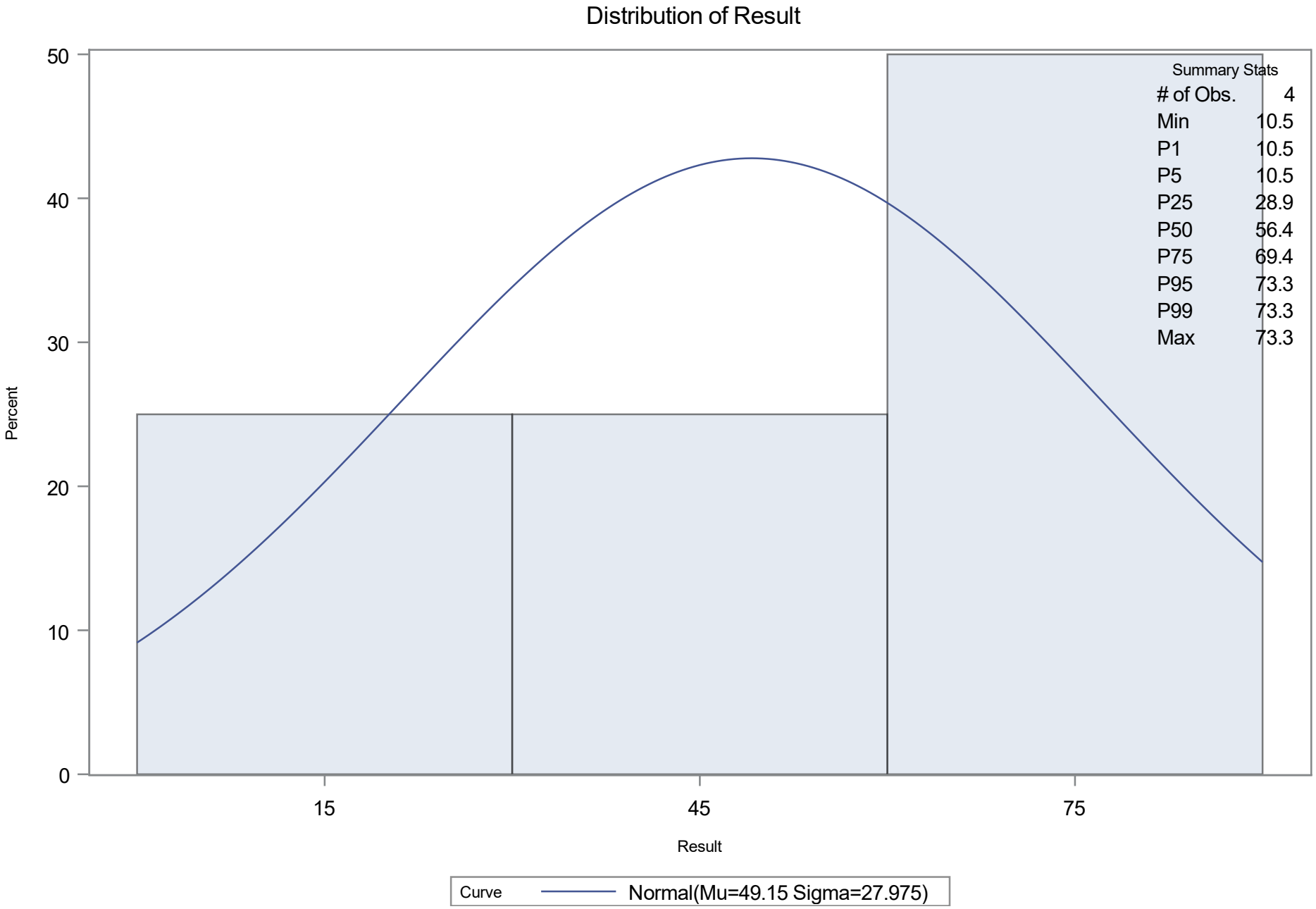

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D
Result
60
40
20
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D
Result
60
40
20
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	49.15
Std Dev	Sigma	27.97493

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22363691	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04616920	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28921447	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.5000	-15.92942
5.0	10.5000	3.13534
10.0	10.5000	13.29869
25.0	28.9000	30.28120
50.0	56.4000	49.15000
75.0	69.4000	68.01880
90.0	73.3000	85.00131
95.0	73.3000	95.16466
99.0	73.3000	114.22942

Period of Record: January 1996 through December 2023
Analysis Days Only

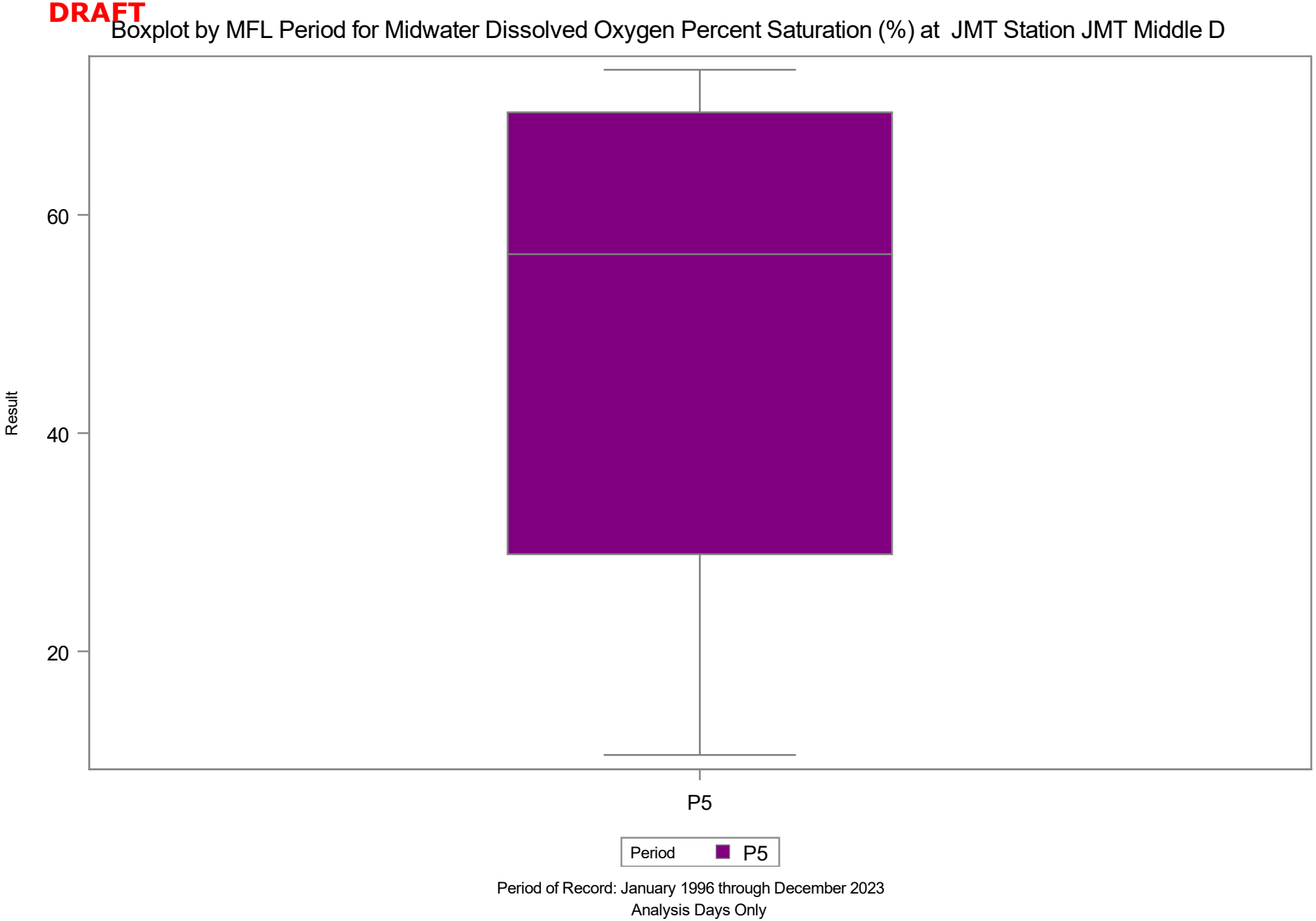
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D

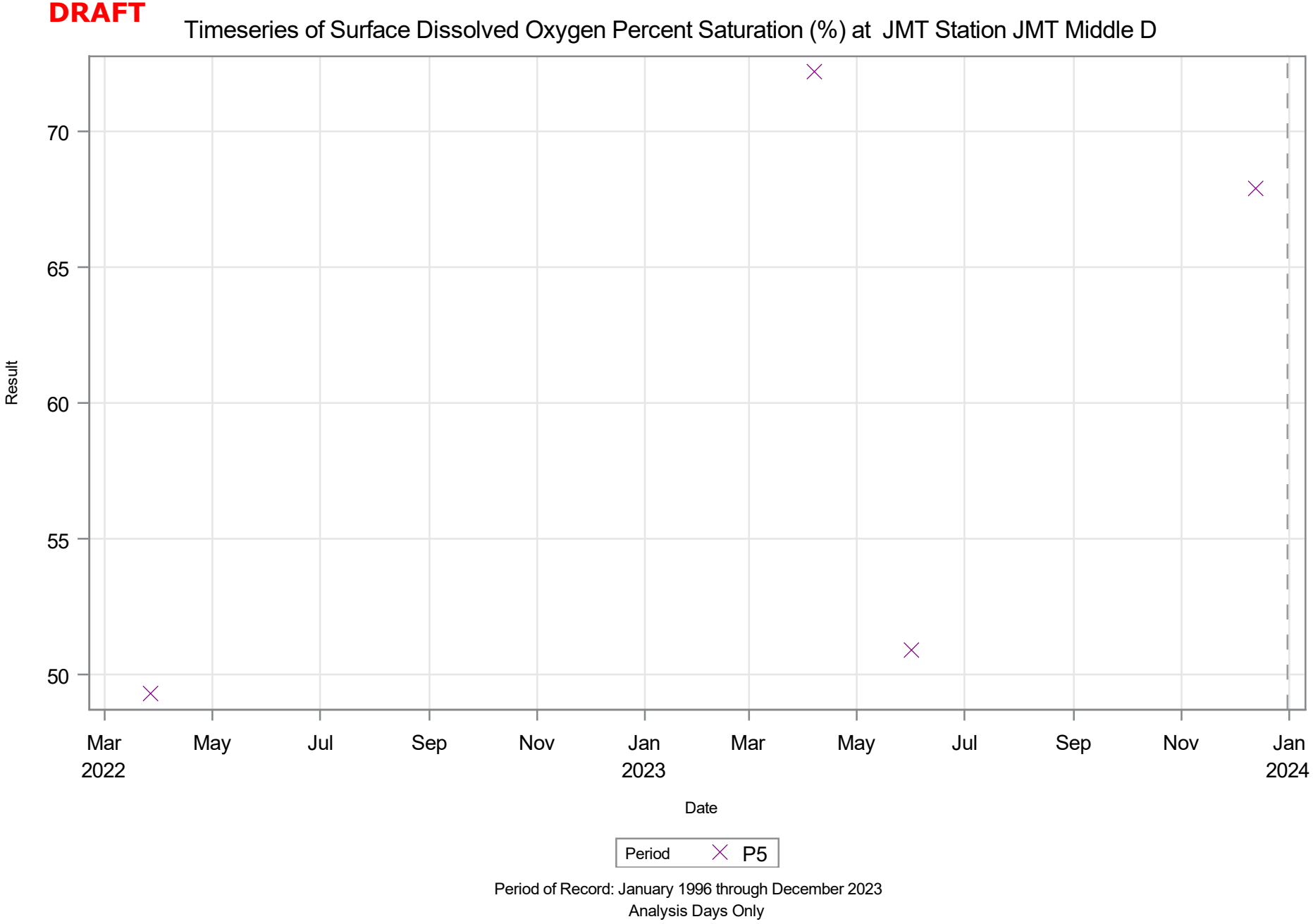
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	10.50	28.90	49.15	56.40	69.40	73.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

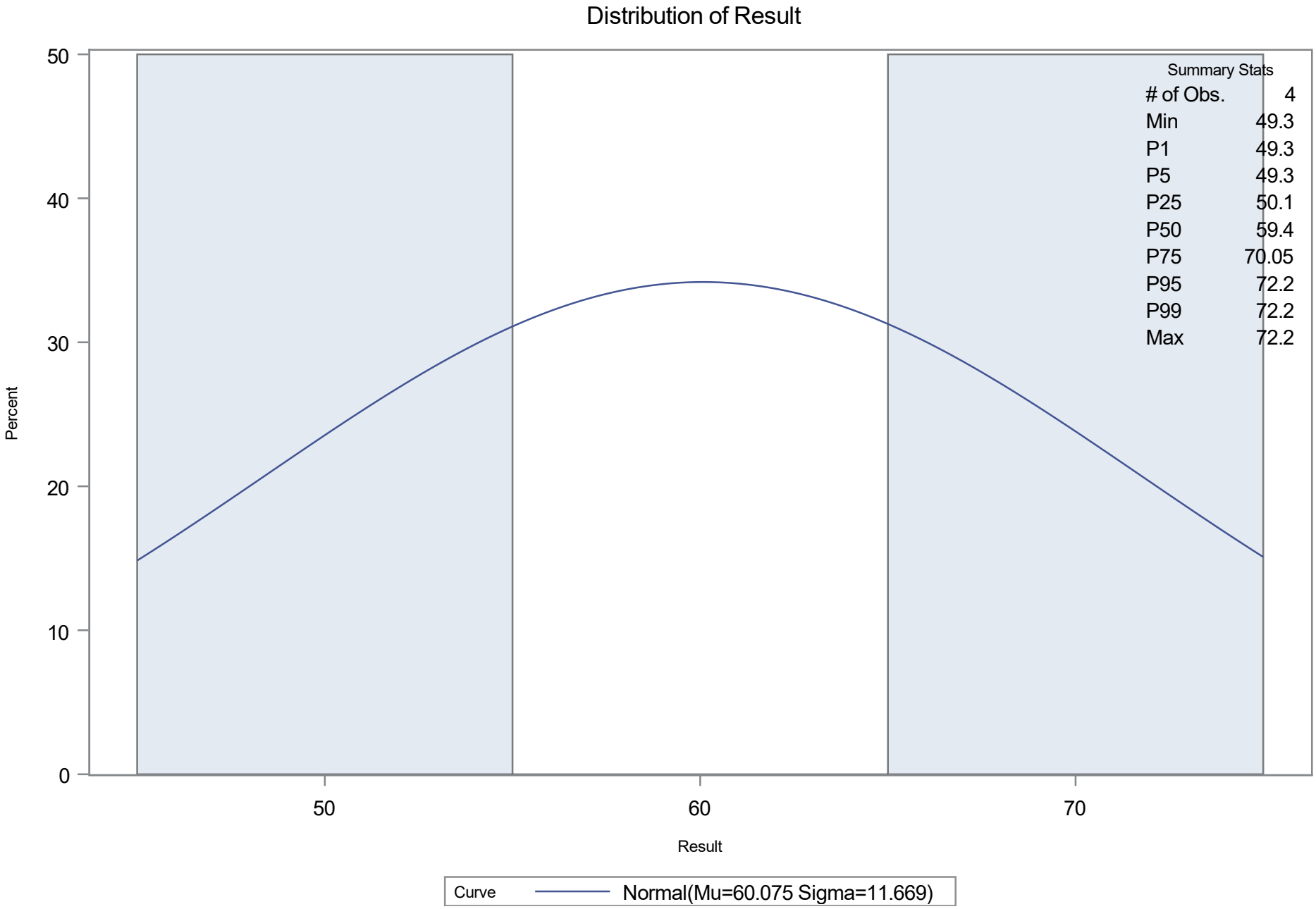

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D
Result
60
40
20
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D
Result
70
65
60
55
50
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	60.075
Std Dev	Sigma	11.66944

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28413704	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06486619	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38437097	**Pr > A-Sq**	0.206

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	49.3000	32.9278
5.0	49.3000	40.8805
10.0	49.3000	45.1200
25.0	50.1000	52.2041
50.0	59.4000	60.0750
75.0	70.0500	67.9459
90.0	72.2000	75.0300
95.0	72.2000	79.2695
99.0	72.2000	87.2222

Period of Record: January 1996 through December 2023
Analysis Days Only

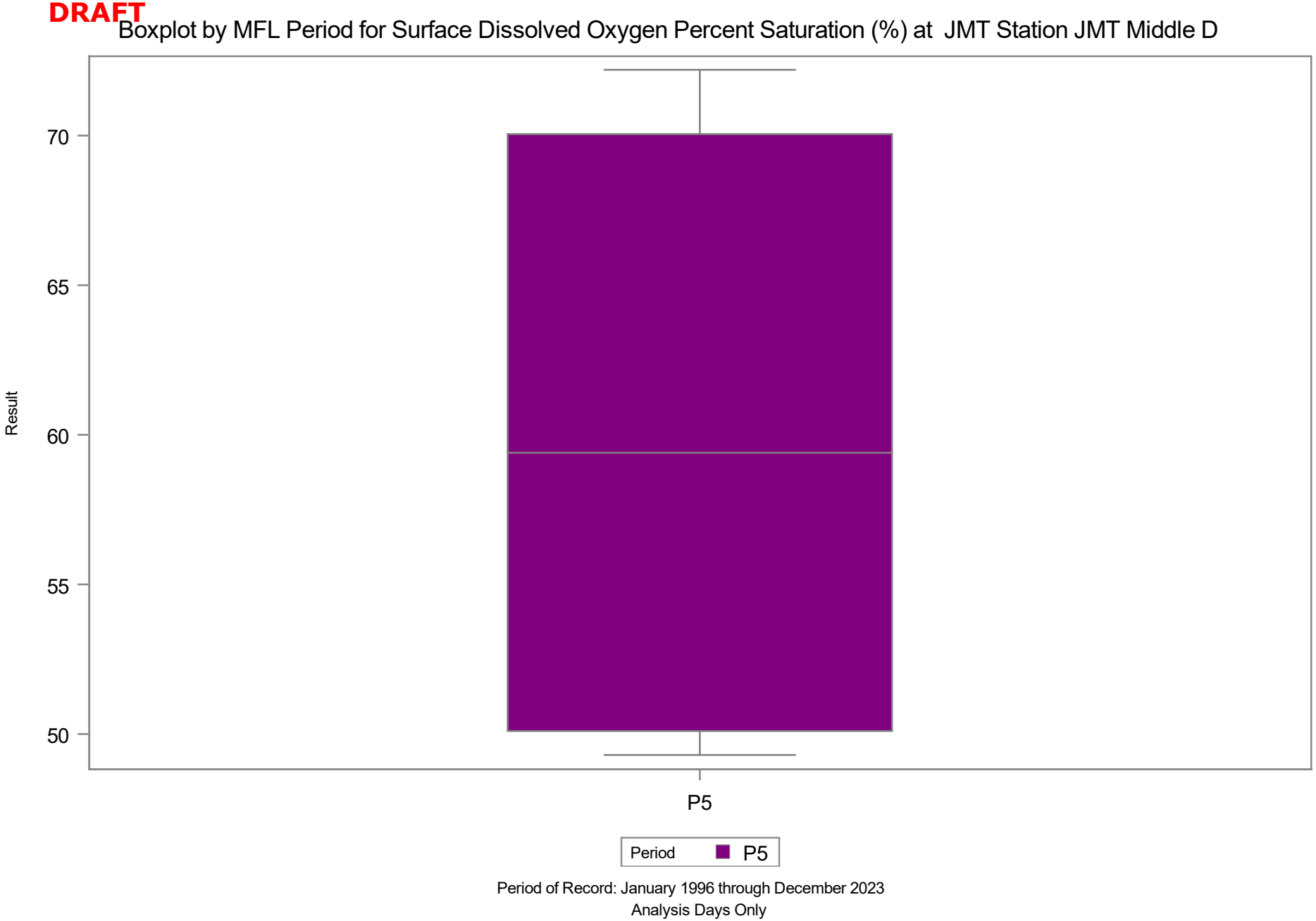
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D

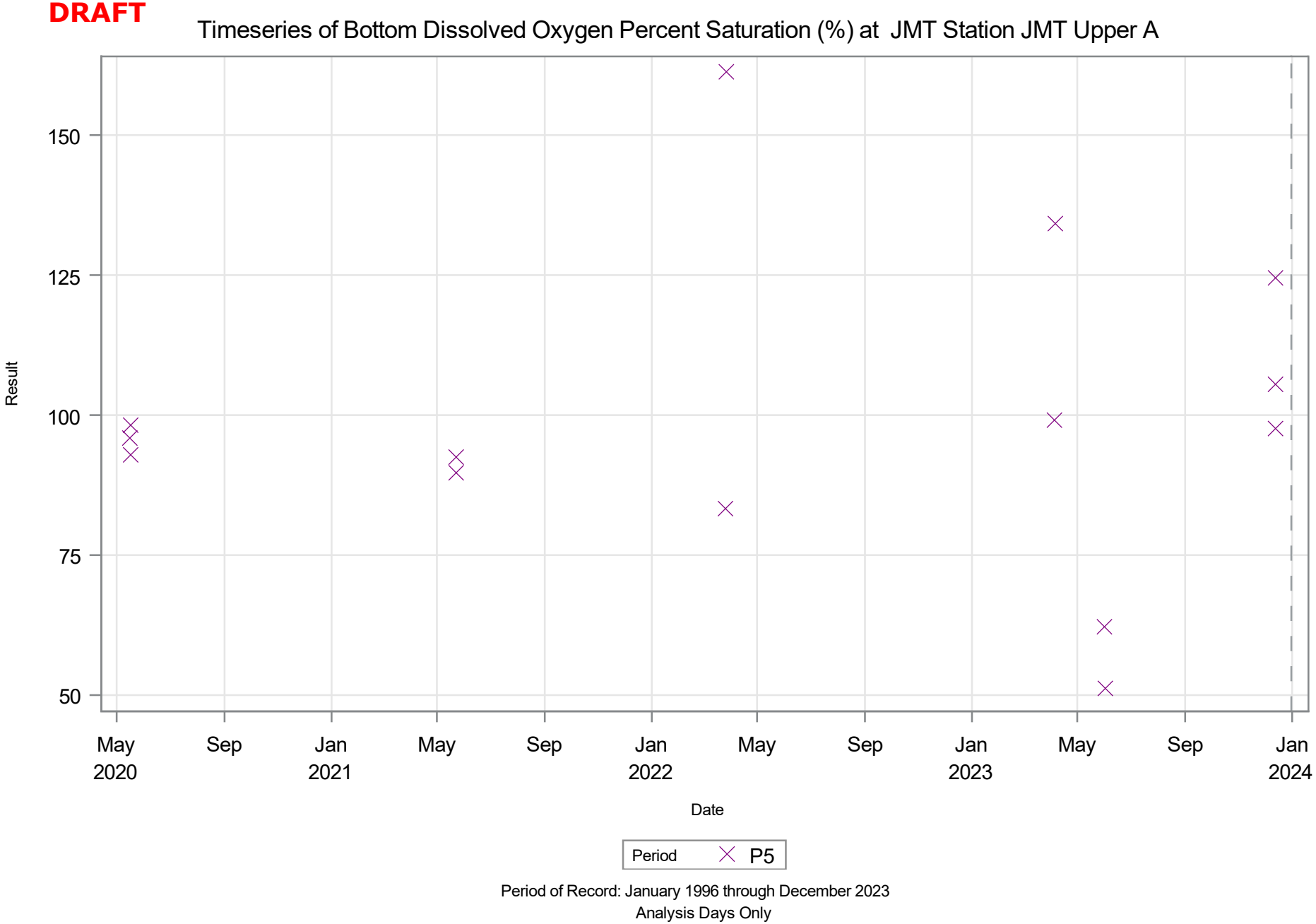
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	49.30	50.10	60.08	59.40	70.05	72.20

Period of Record: January 1996 through December 2023
Analysis Days Only

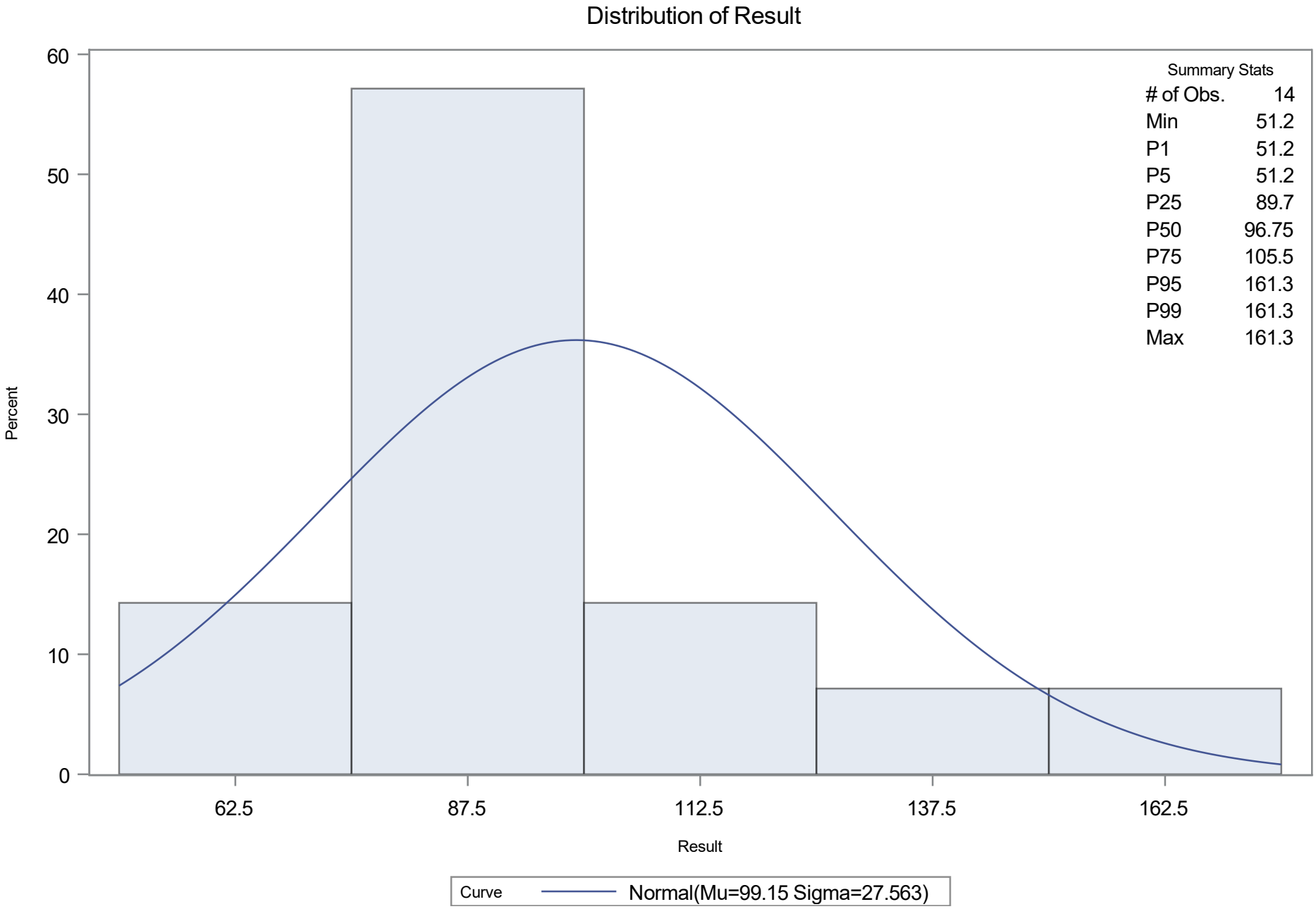
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Middle D
Result
70
65
60
55
50
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A
Result
150
125
100
75
50
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	99.15
Std Dev	Sigma	27.56287

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21500941	**Pr > D**	0.079
Cramer-von Mises	**W-Sq**	0.11386087	**Pr > W-Sq**	0.068
Anderson-Darling	**A-Sq**	0.56001384	**Pr > A-Sq**	0.125

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	51.2000	35.0292
5.0	51.2000	53.8131
10.0	62.2000	63.8268
25.0	89.7000	80.5591
50.0	96.7500	99.1500
75.0	105.5000	117.7409
90.0	134.2000	134.4732
95.0	161.3000	144.4869
99.0	161.3000	163.2708

Period of Record: January 1996 through December 2023
Analysis Days Only

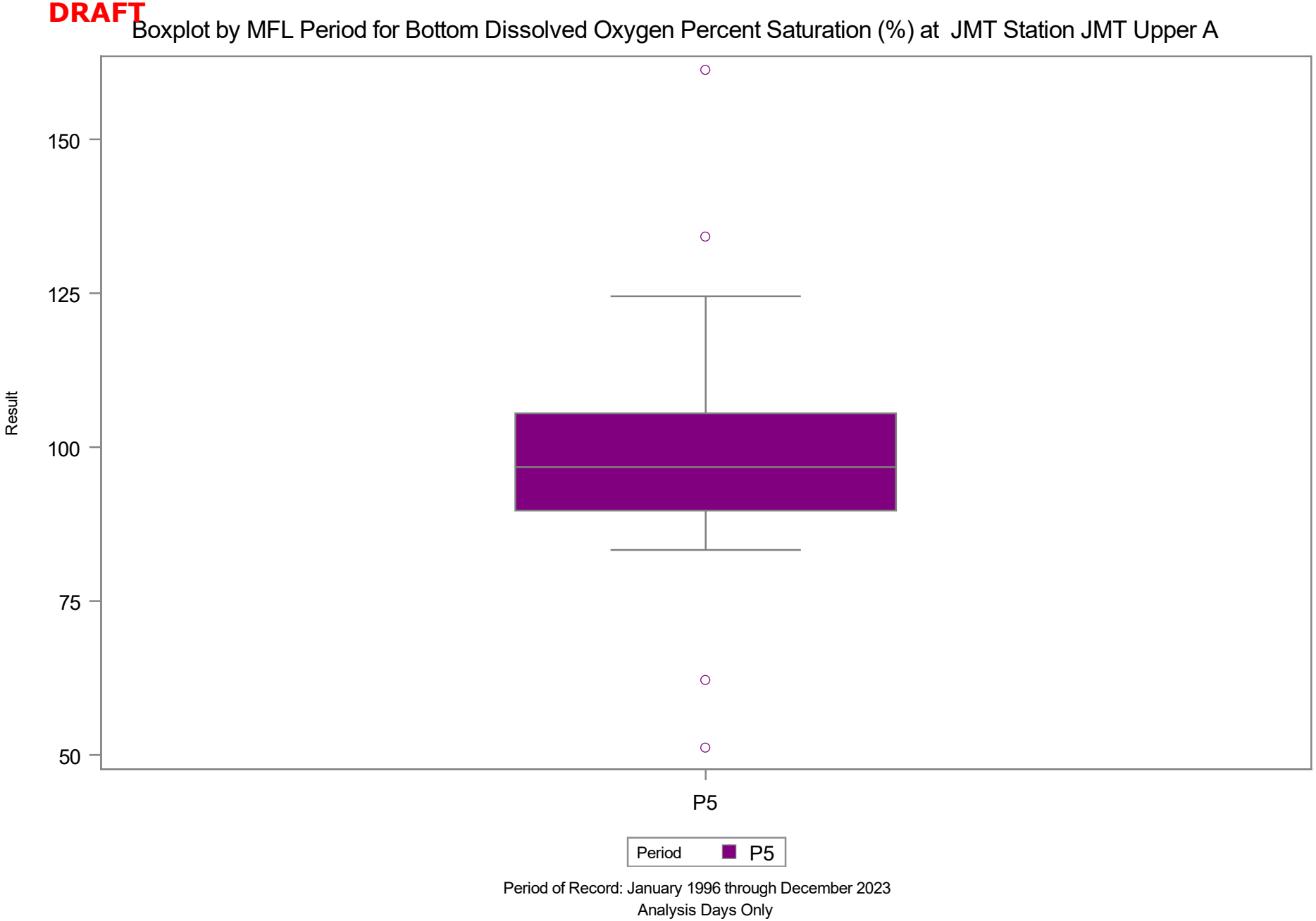
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	51.20	89.70	99.15	96.75	105.50	161.30

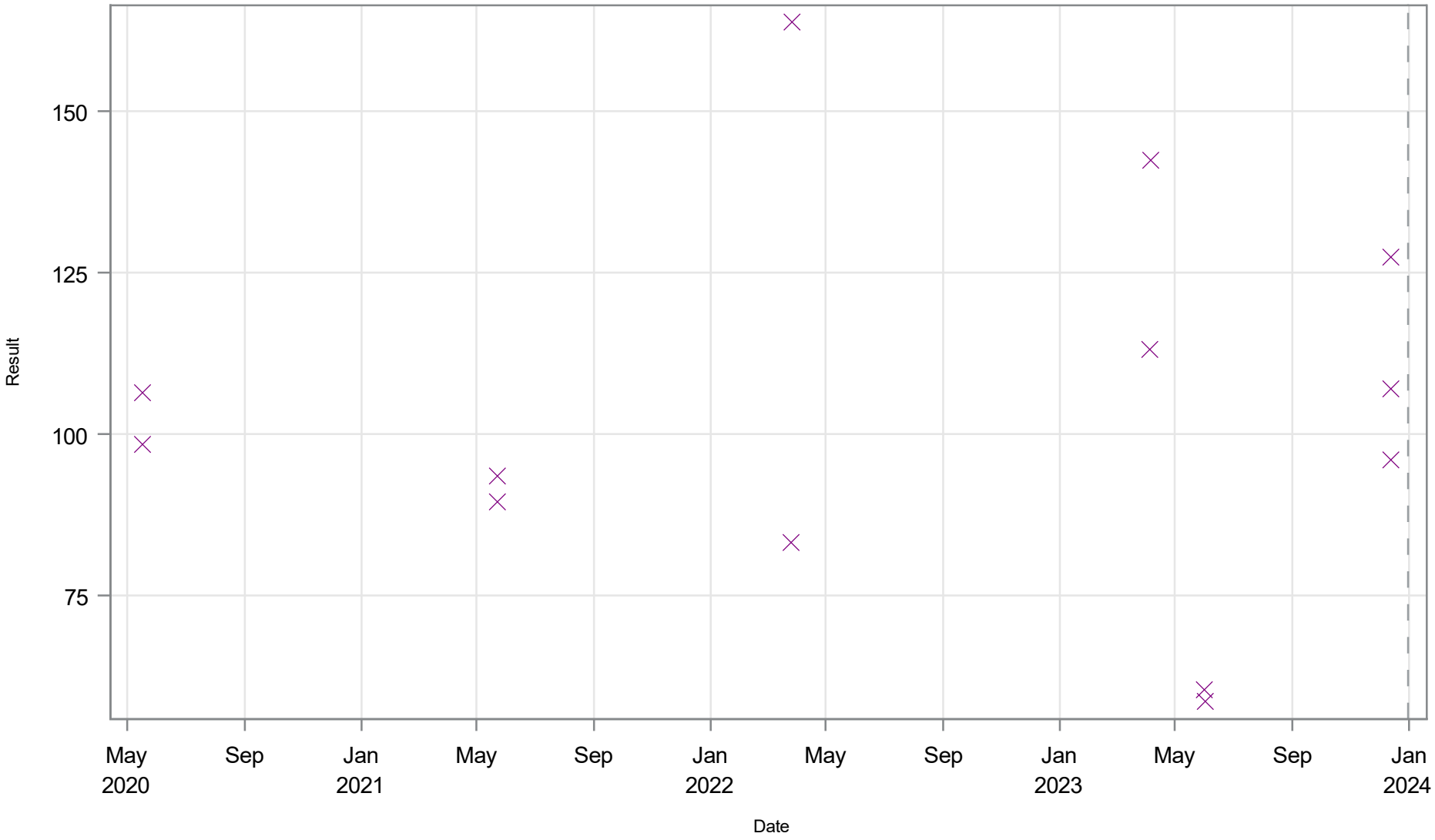
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A
Result
150
125
100
75
50
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

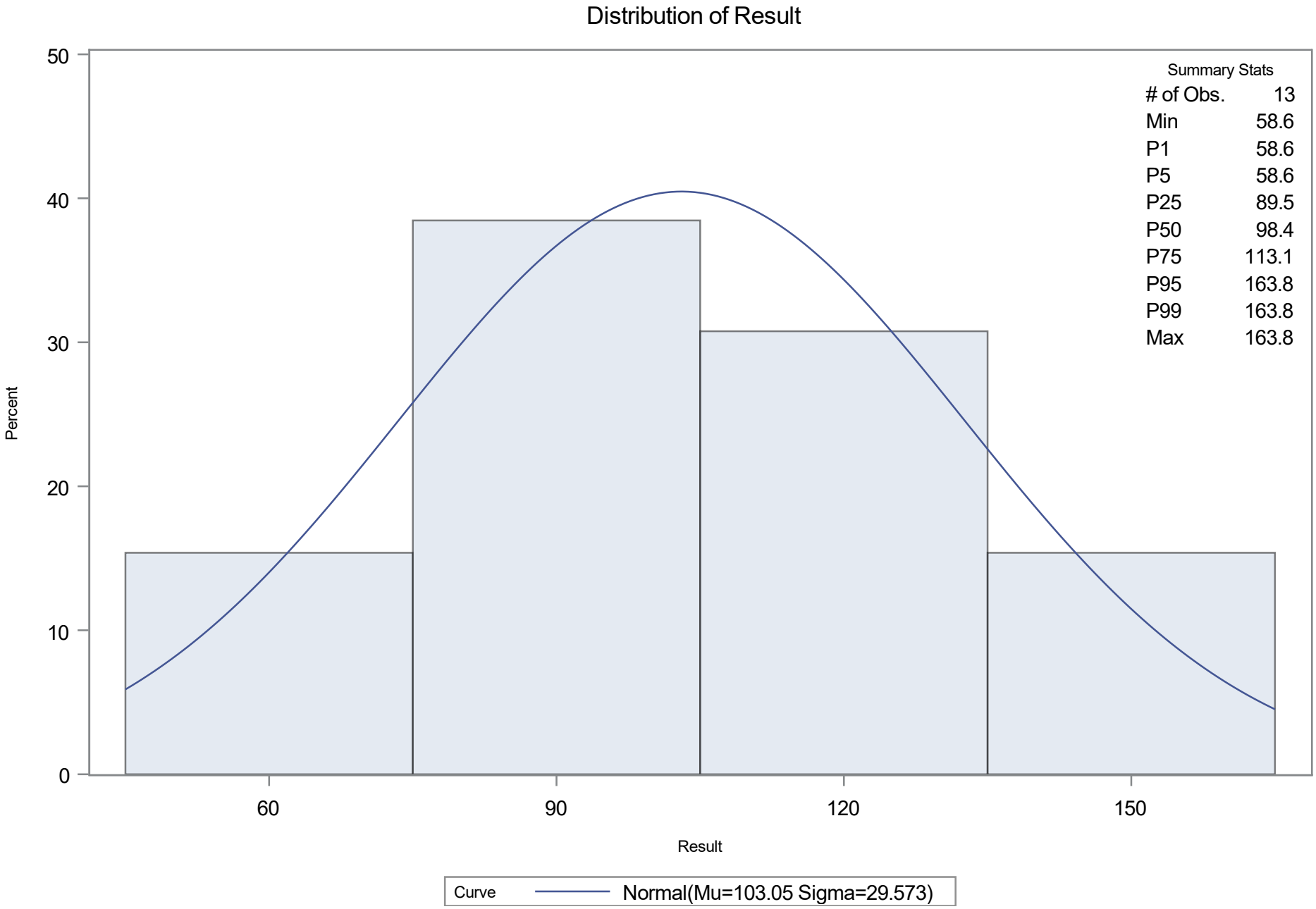
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	103.0538
Std Dev	Sigma	29.57295

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13923121	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04198245	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26162918	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	58.6000	34.2569
5.0	58.6000	54.4107
10.0	60.4000	65.1546
25.0	89.5000	83.1072
50.0	98.4000	103.0538
75.0	113.1000	123.0005
90.0	142.4000	140.9531
95.0	163.8000	151.6970
99.0	163.8000	171.8508

Period of Record: January 1996 through December 2023
Analysis Days Only

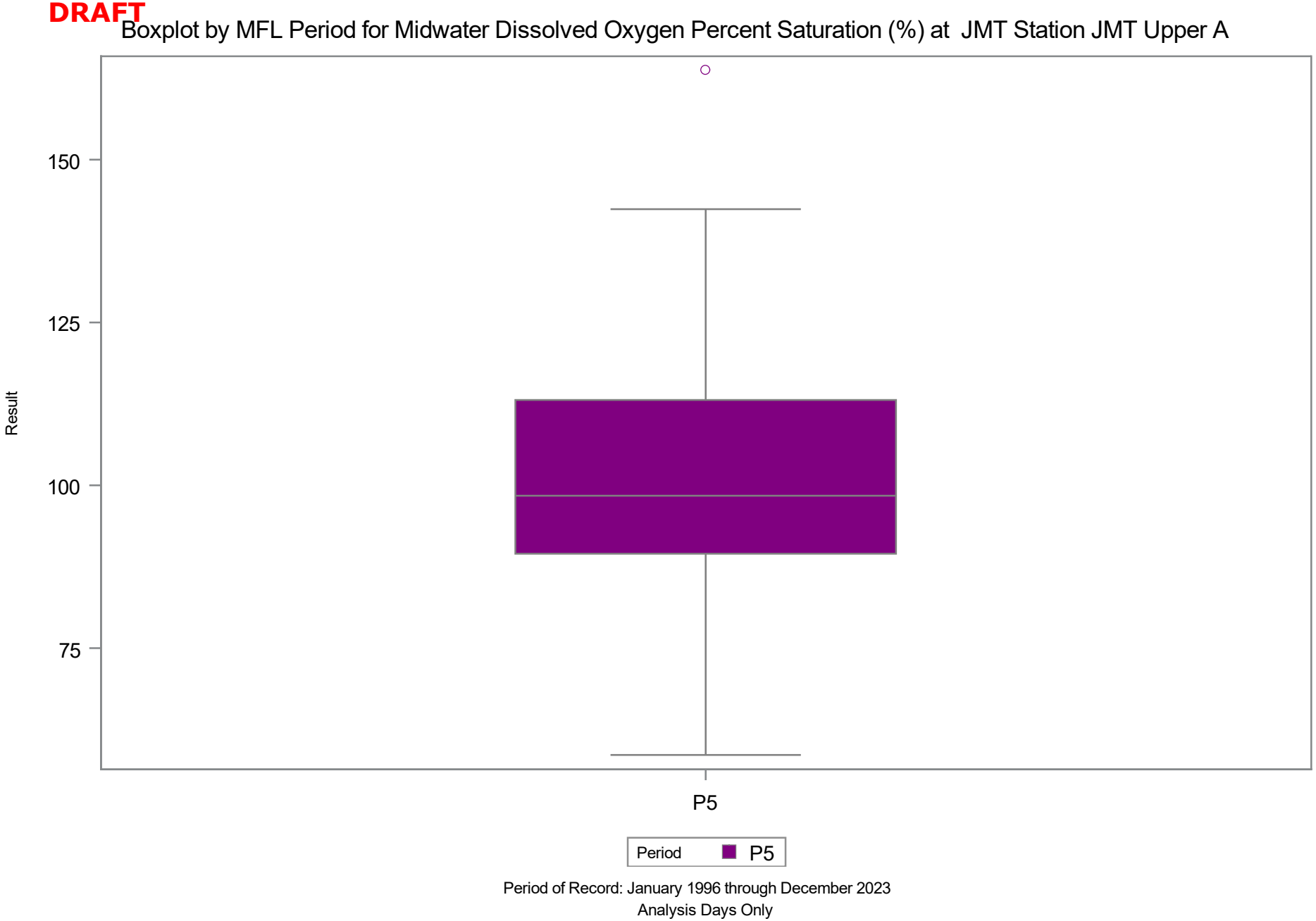
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A

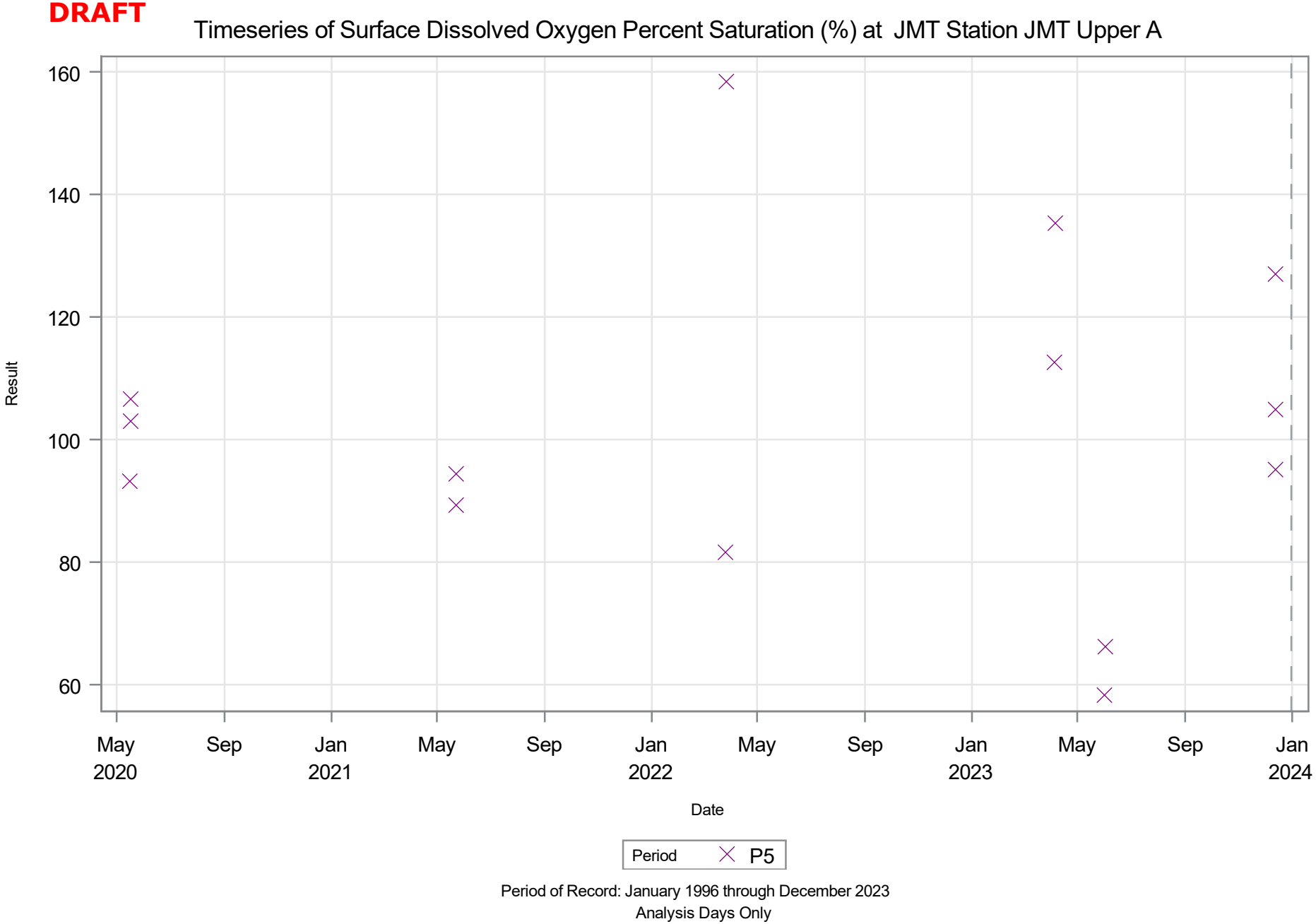
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	58.60	89.50	103.05	98.40	113.10	163.80

Period of Record: January 1996 through December 2023
Analysis Days Only

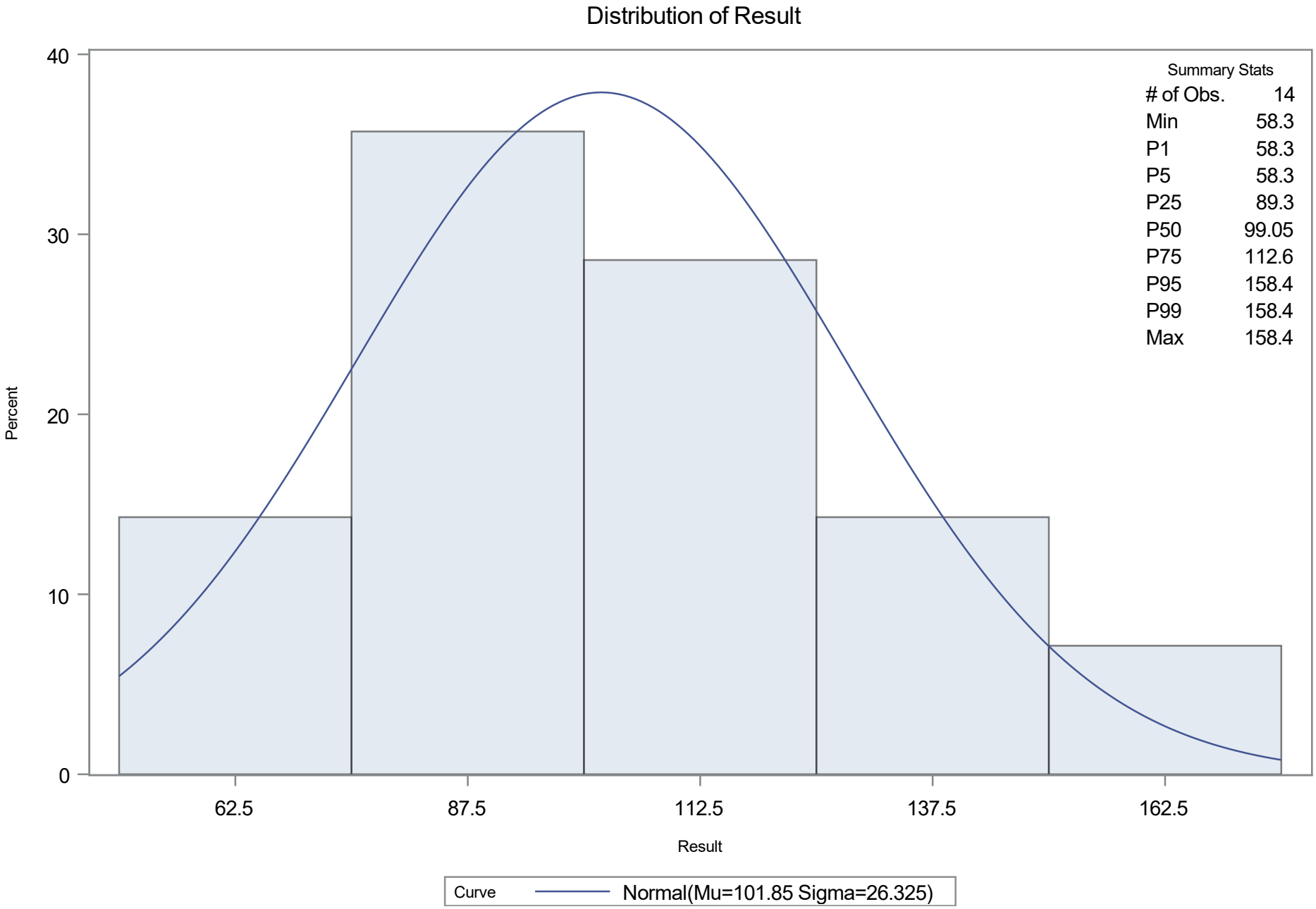
DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A
Result
150
125
100
75
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A
Result
160
140
120
100
80
60
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	101.85
Std Dev	Sigma	26.32497

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14269046	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04391287	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25166575	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	58.3000	40.6090
5.0	58.3000	58.5493
10.0	66.2000	68.1132
25.0	89.3000	84.0941
50.0	99.0500	101.8500
75.0	112.6000	119.6059
90.0	135.3000	135.5868
95.0	158.4000	145.1507
99.0	158.4000	163.0910

Period of Record: January 1996 through December 2023
Analysis Days Only

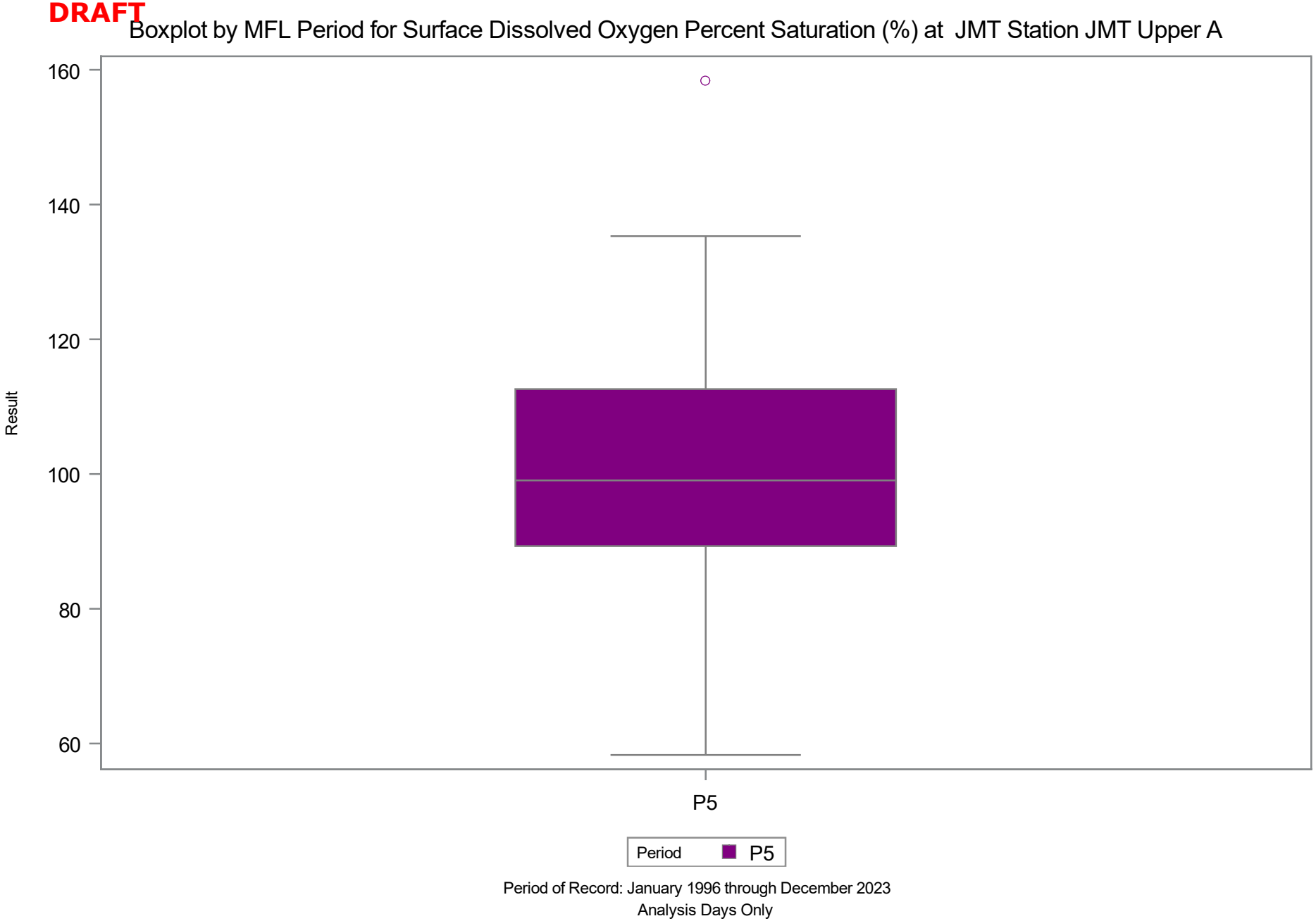
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A

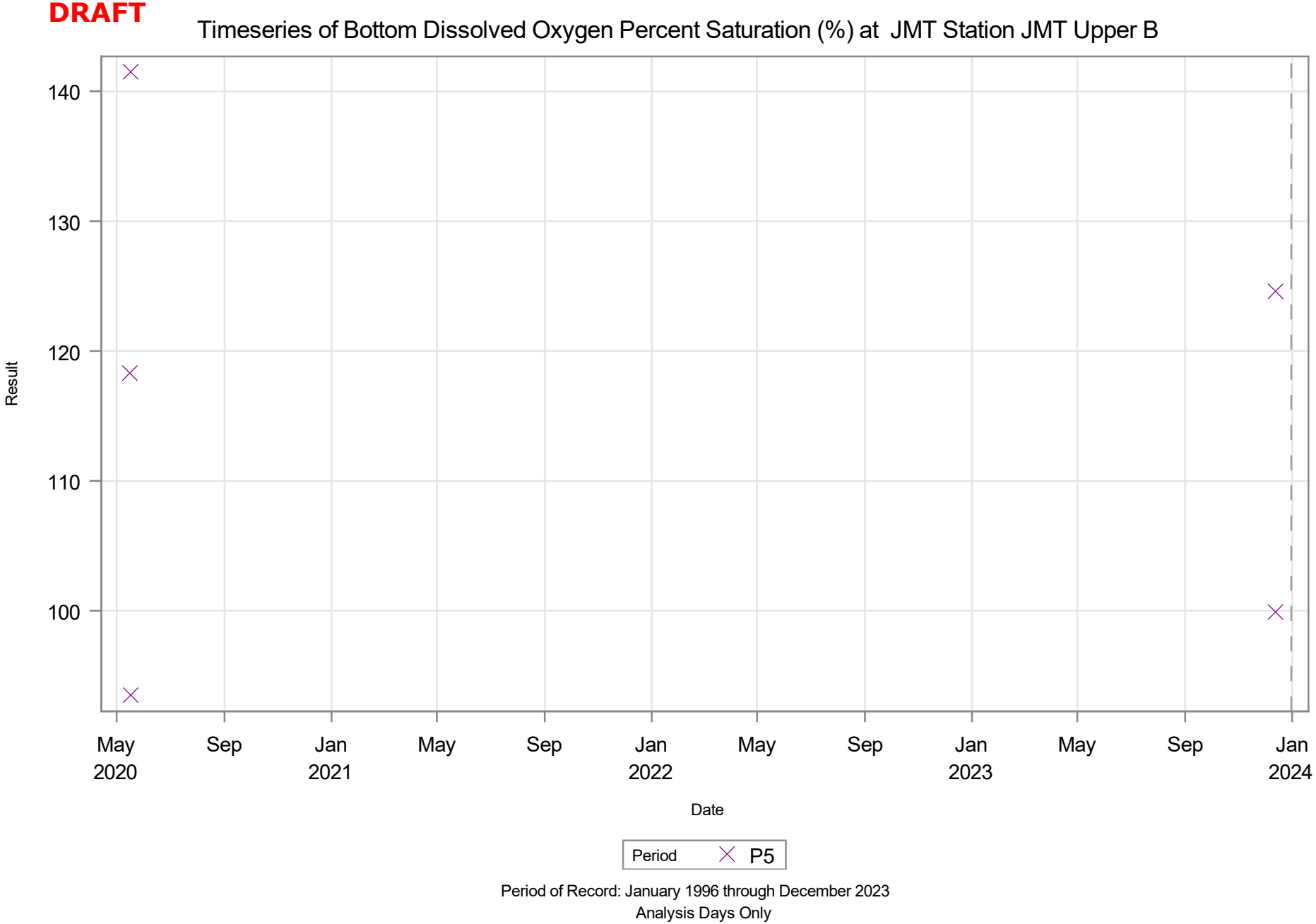
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	58.30	89.30	101.85	99.05	112.60	158.40

Period of Record: January 1996 through December 2023
Analysis Days Only

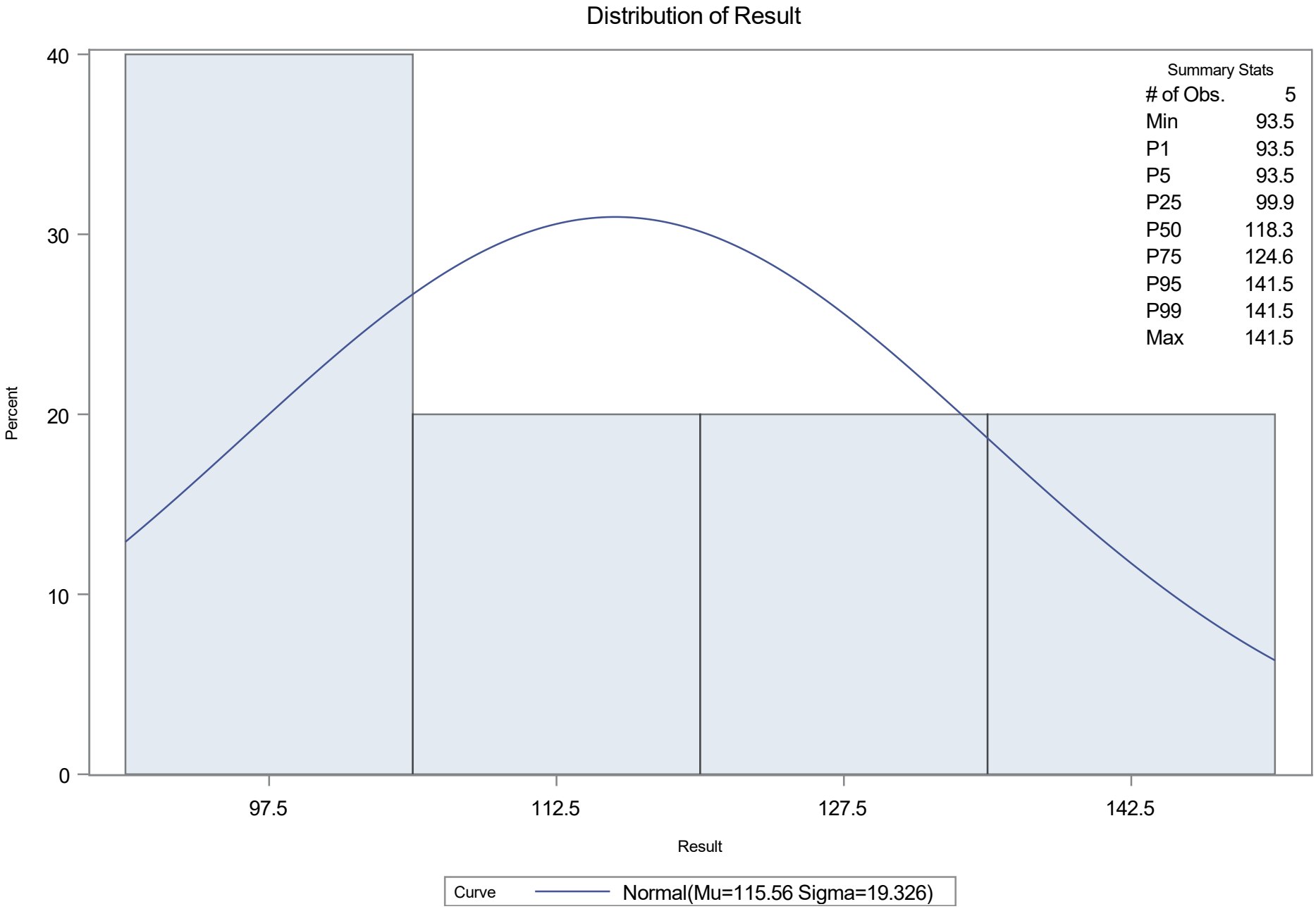
DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper A
160
140
120
100
80
60
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B
Result
140
130
120
110
100
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	115.56
Std Dev	Sigma	19.3261

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19111707	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02937105	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19881111	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	93.5000	70.6008
5.0	93.5000	83.7714
10.0	93.5000	90.7926
25.0	99.9000	102.5247
50.0	118.3000	115.5600
75.0	124.6000	128.5953
90.0	141.5000	140.3274
95.0	141.5000	147.3486
99.0	141.5000	160.5192

Period of Record: January 1996 through December 2023
Analysis Days Only

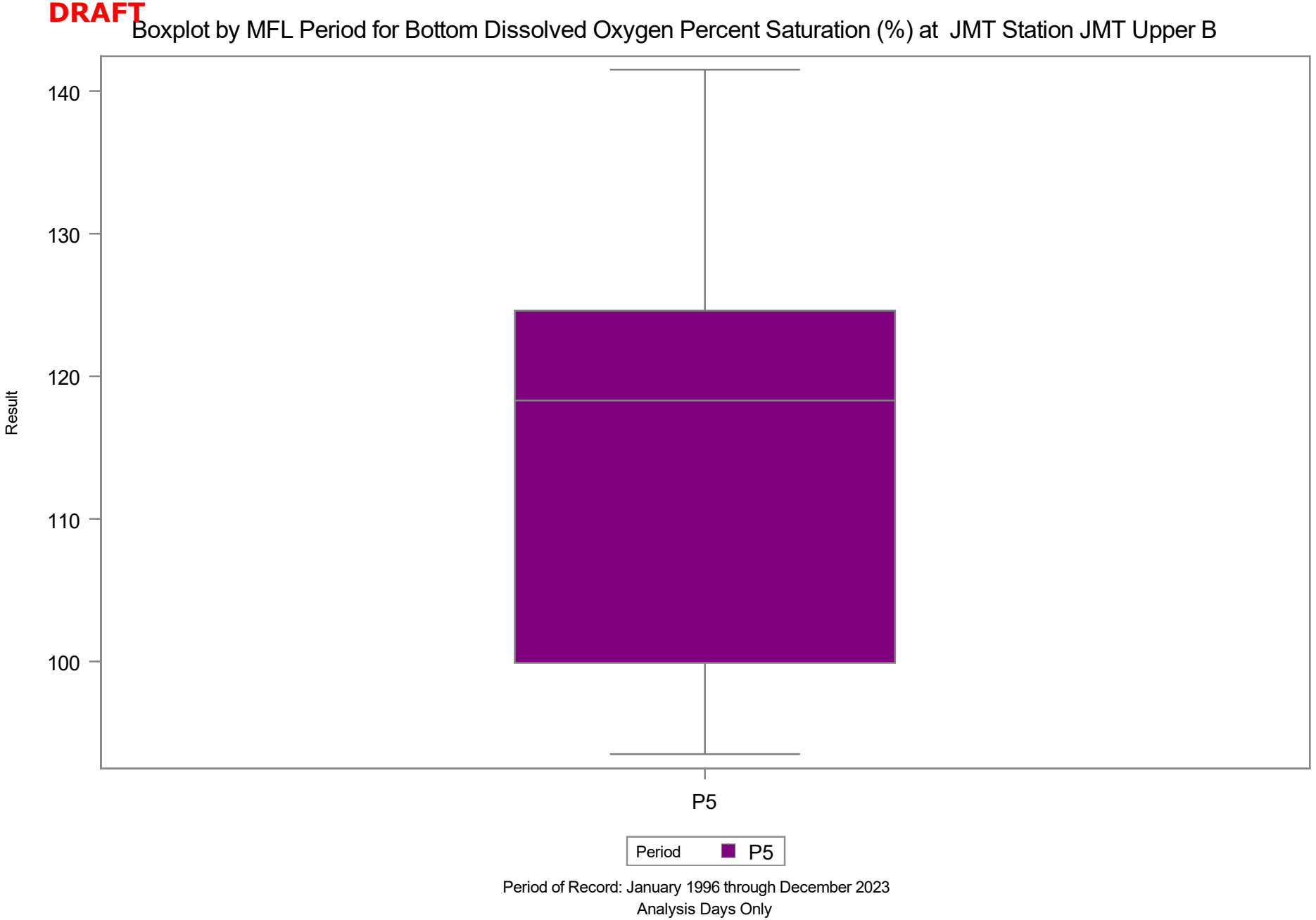
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B

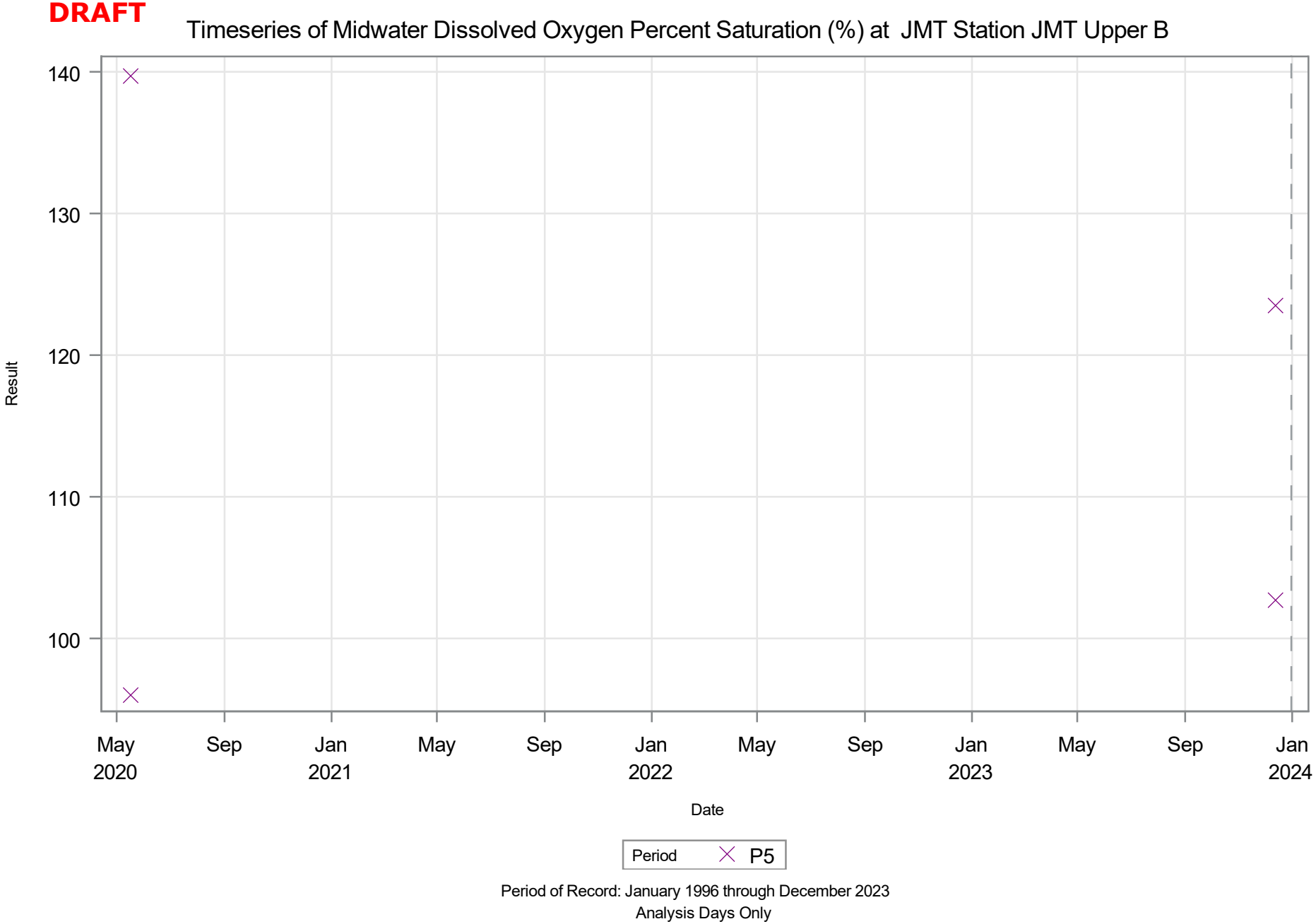
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	93.50	99.90	115.56	118.30	124.60	141.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

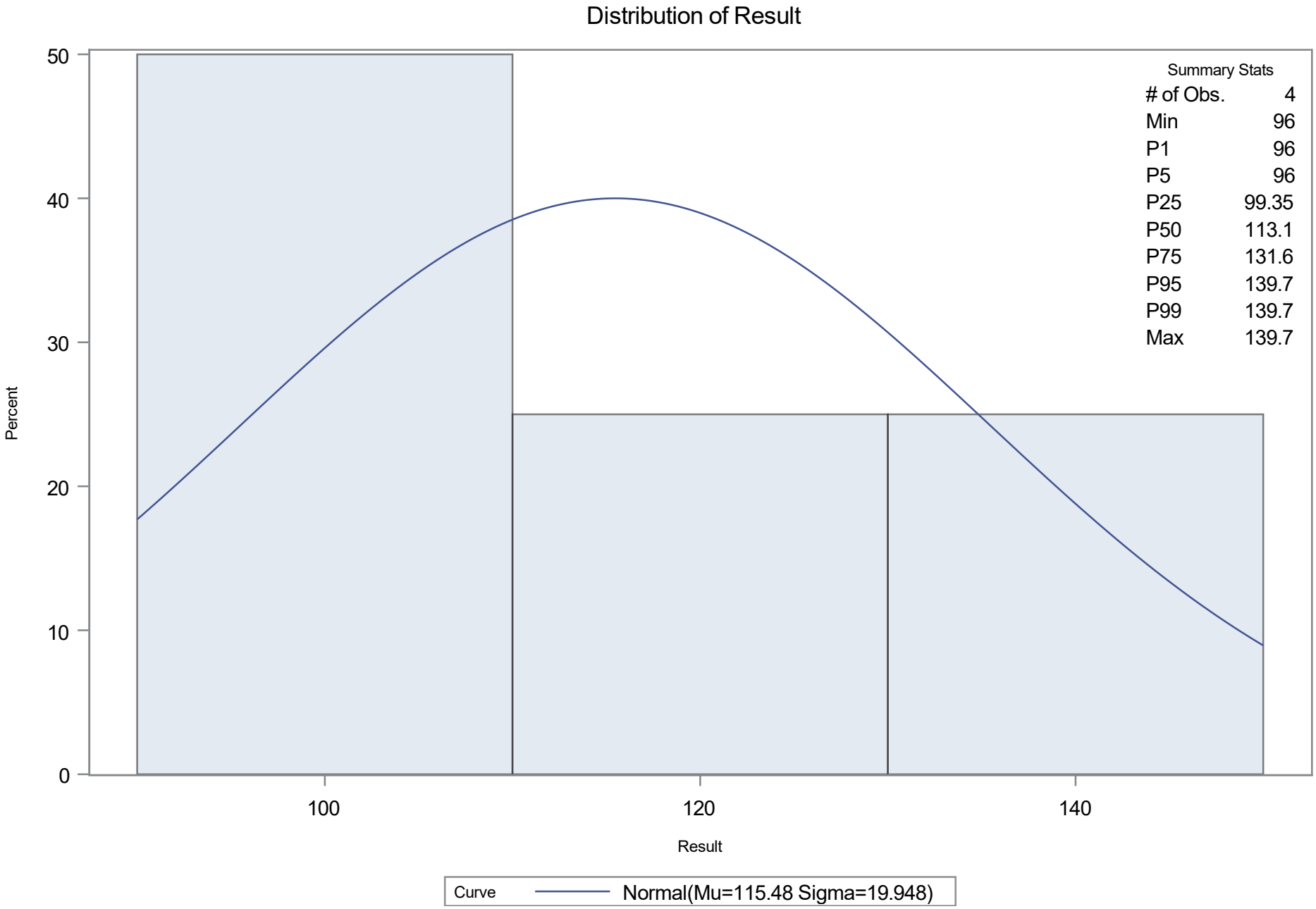

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B
Result
140
130
120
110
100
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B
Result
140
130
120
110
100
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	115.475
Std Dev	Sigma	19.94766

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23905215	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03653732	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23377698	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	96.0000	69.0698
5.0	96.0000	82.6640
10.0	96.0000	89.9110
25.0	99.3500	102.0205
50.0	113.1000	115.4750
75.0	131.6000	128.9295
90.0	139.7000	141.0390
95.0	139.7000	148.2860
99.0	139.7000	161.8802

Period of Record: January 1996 through December 2023
Analysis Days Only

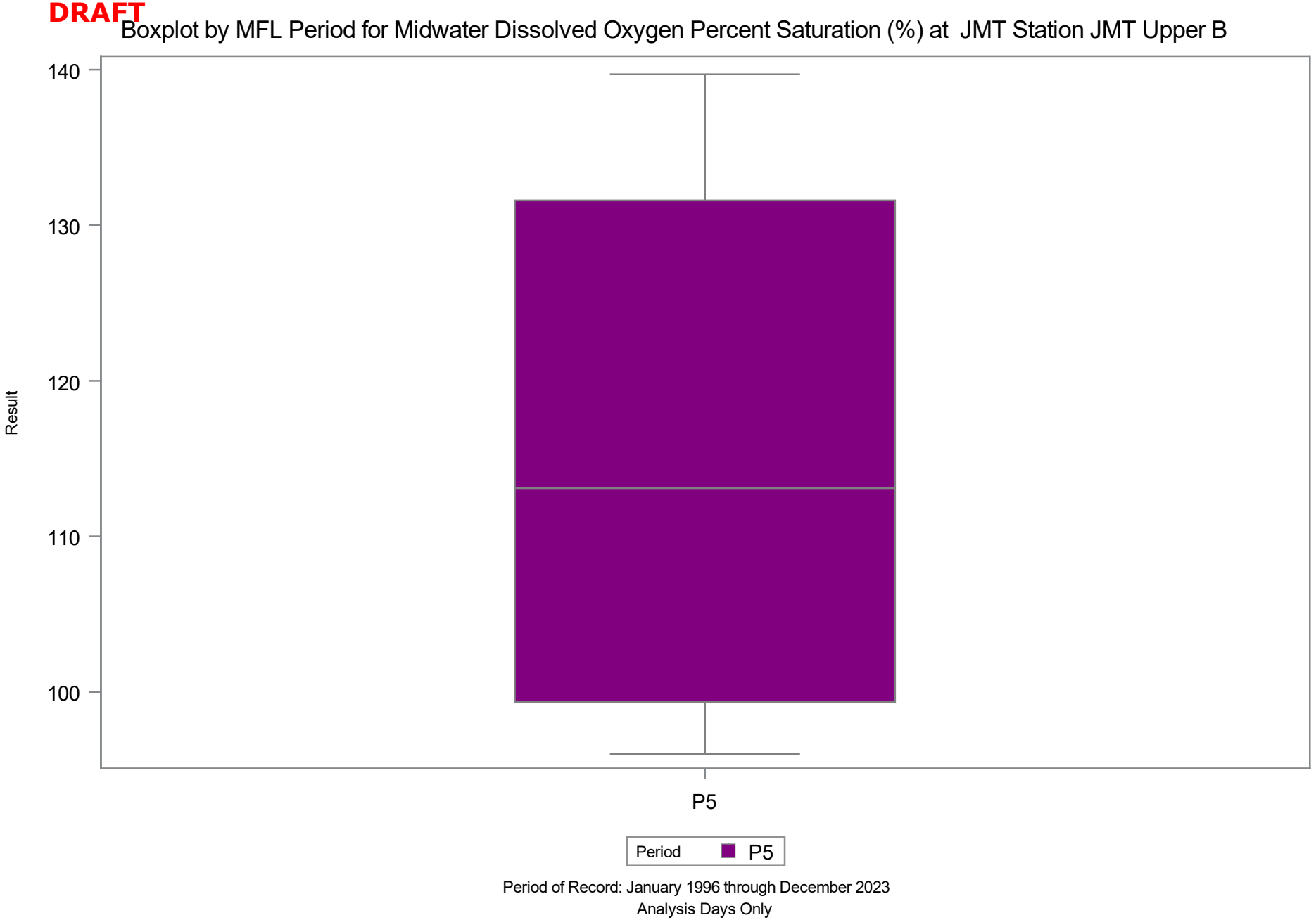
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	96.00	99.35	115.48	113.10	131.60	139.70

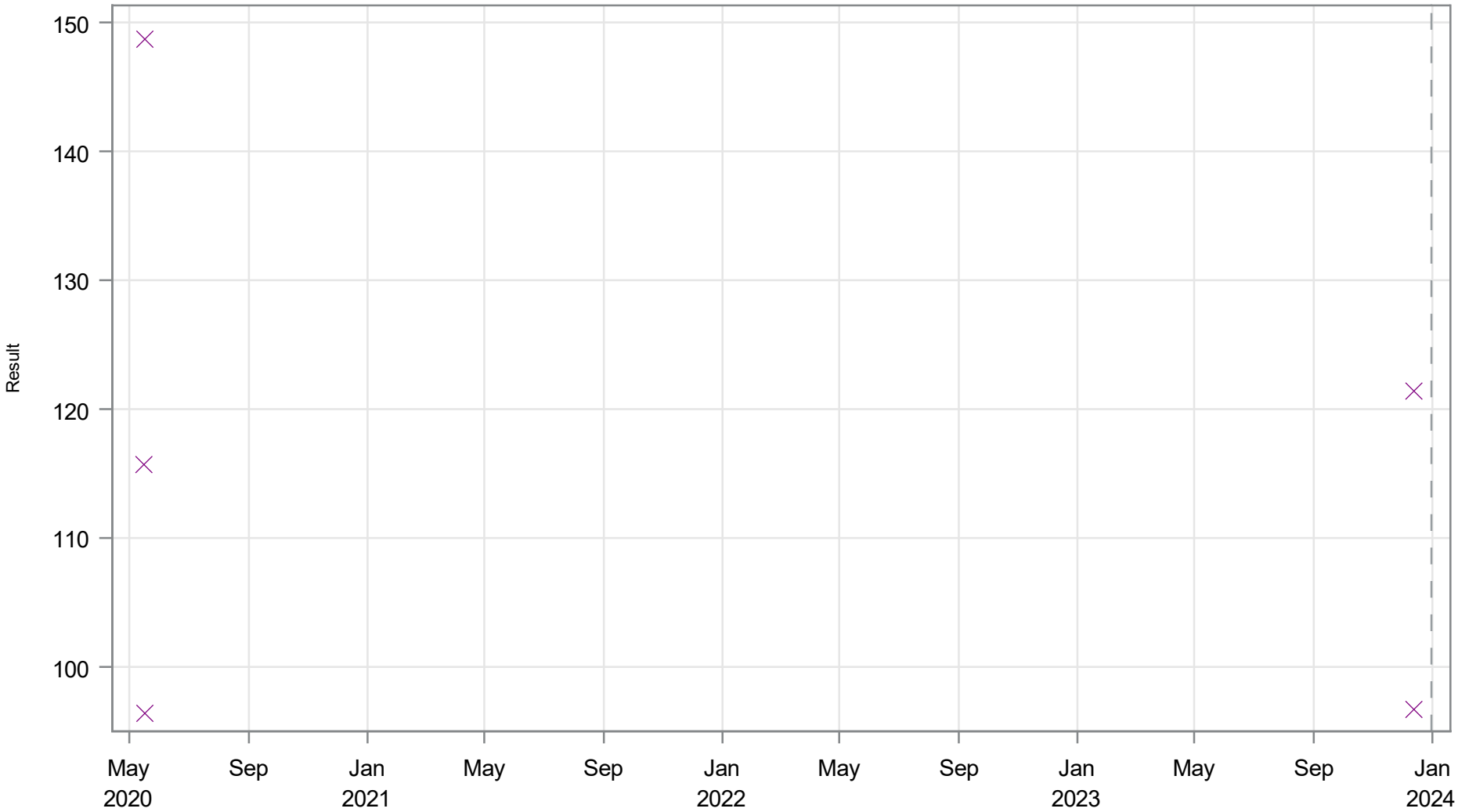
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B
140
130
120
110
100
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

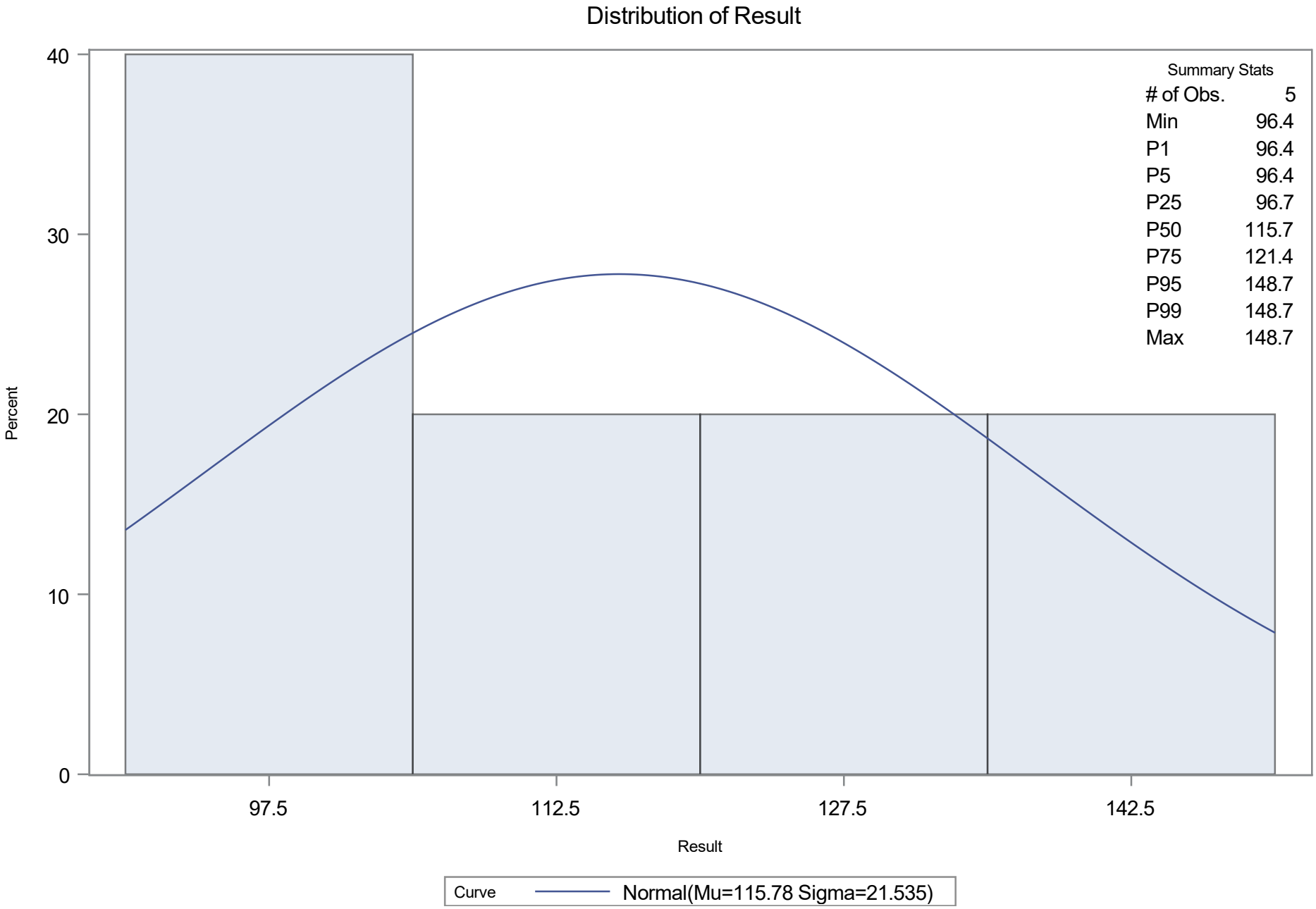
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	115.78
Std Dev	Sigma	21.53455

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21219606	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04710153	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31794889	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	96.4000	65.6831
5.0	96.4000	80.3588
10.0	96.4000	88.1824
25.0	96.7000	101.2552
50.0	115.7000	115.7800
75.0	121.4000	130.3048
90.0	148.7000	143.3776
95.0	148.7000	151.2012
99.0	148.7000	165.8769

Period of Record: January 1996 through December 2023
Analysis Days Only

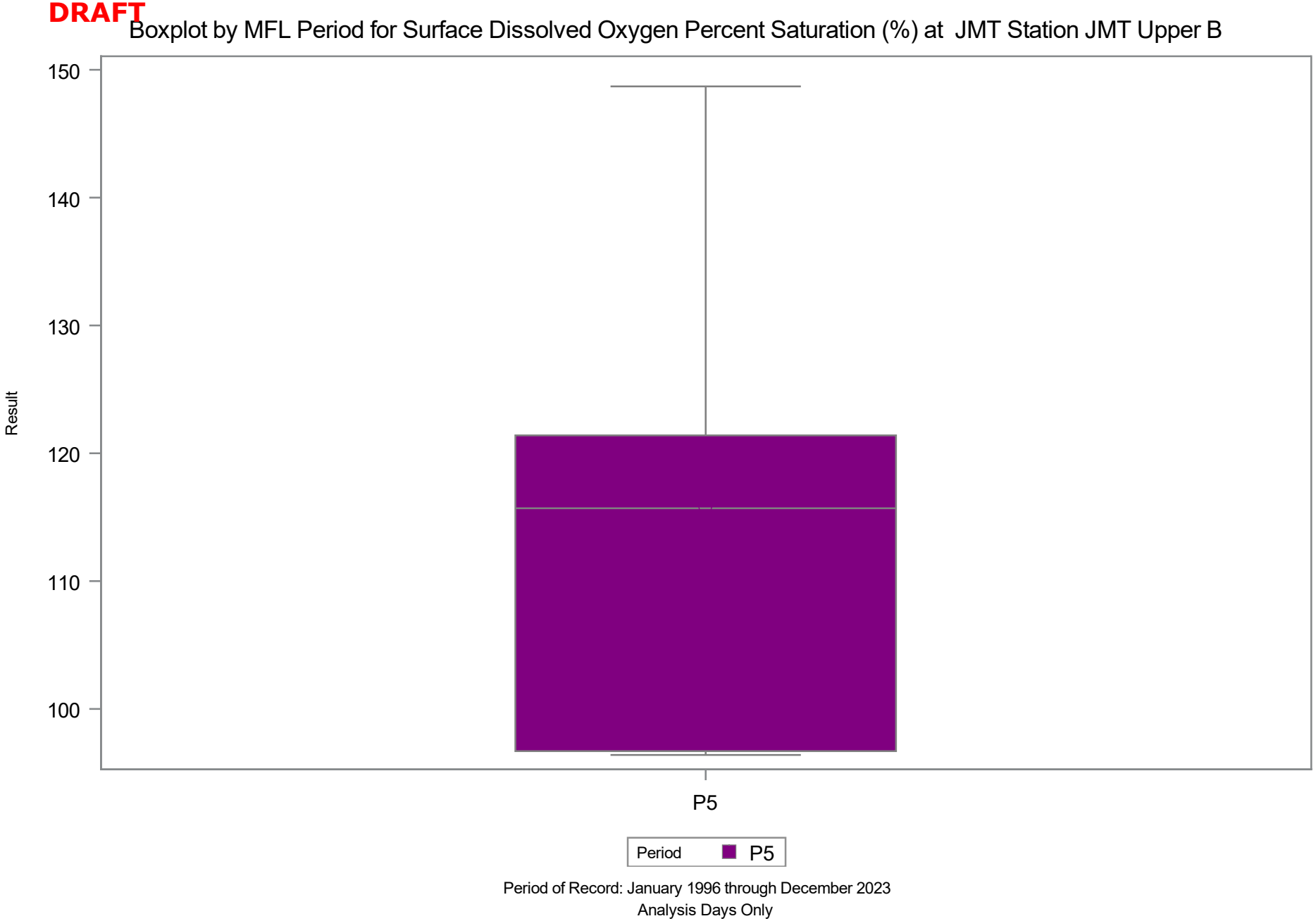
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	96.40	96.70	115.78	115.70	121.40	148.70

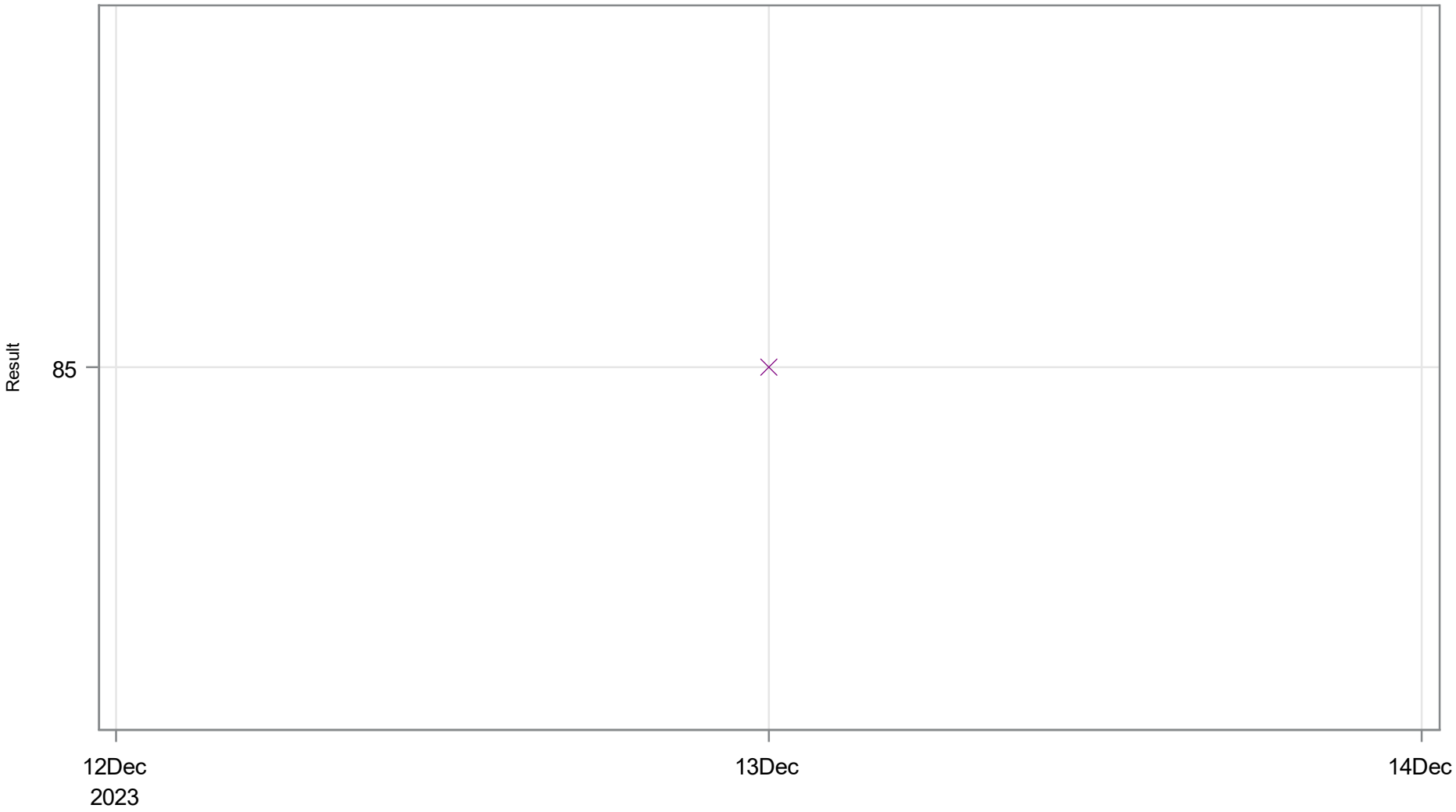
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper B
150
140
130
120
110
100
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

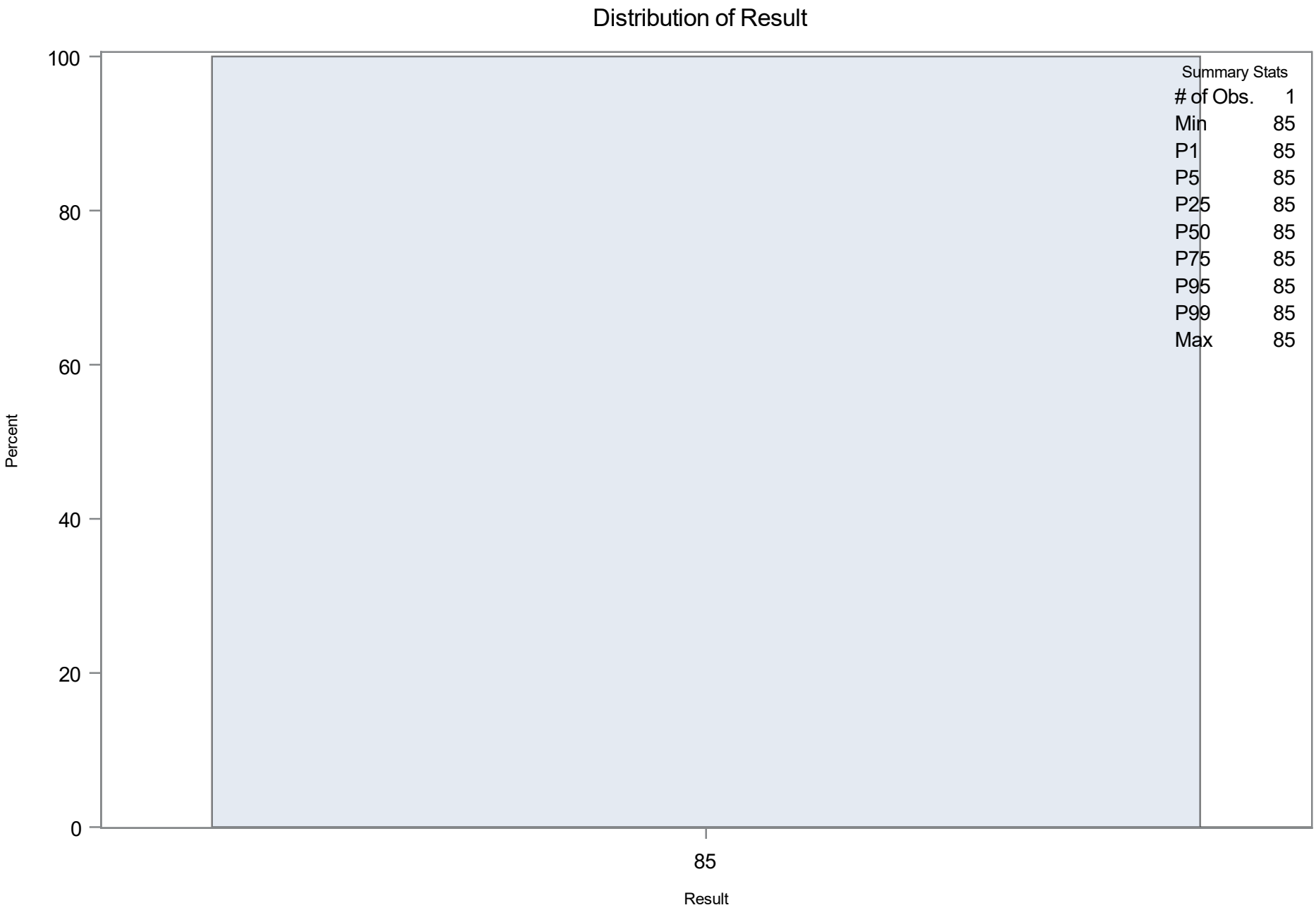
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C**



Period of Record: January 1996 through December 2023
Analysis Days Only

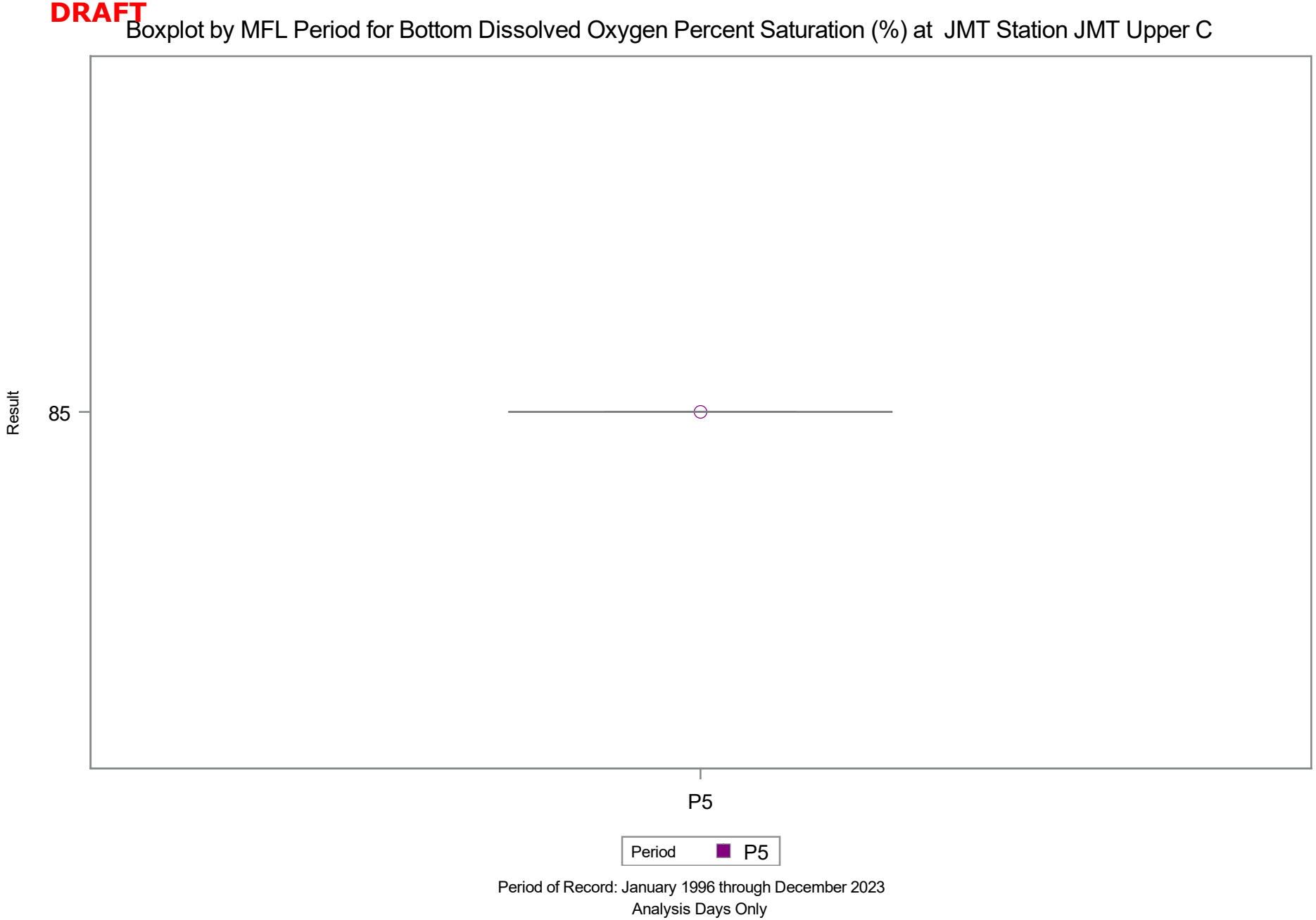
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	85.00	85.00	85.00	85.00	85.00	85.00

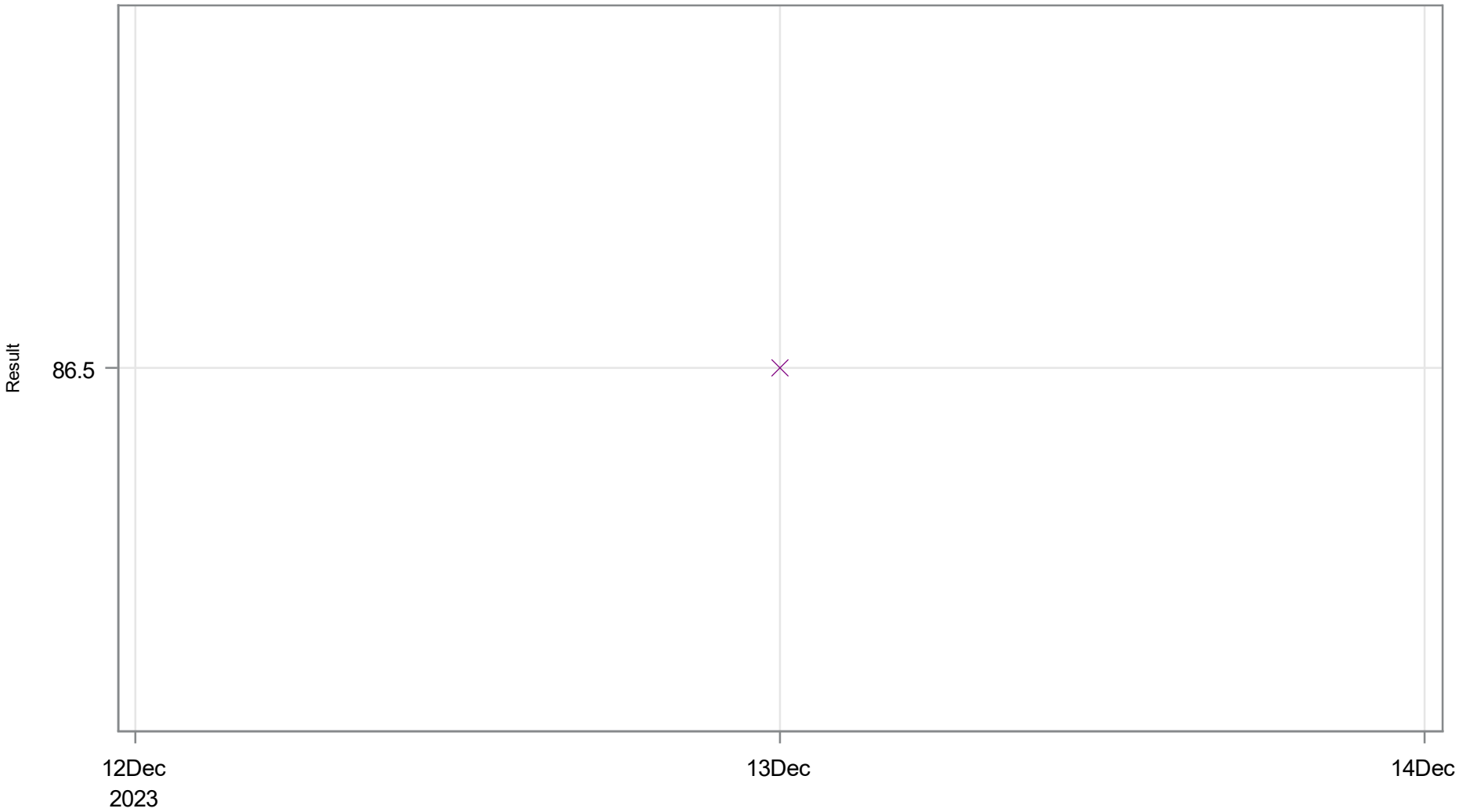
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C
Result
85
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

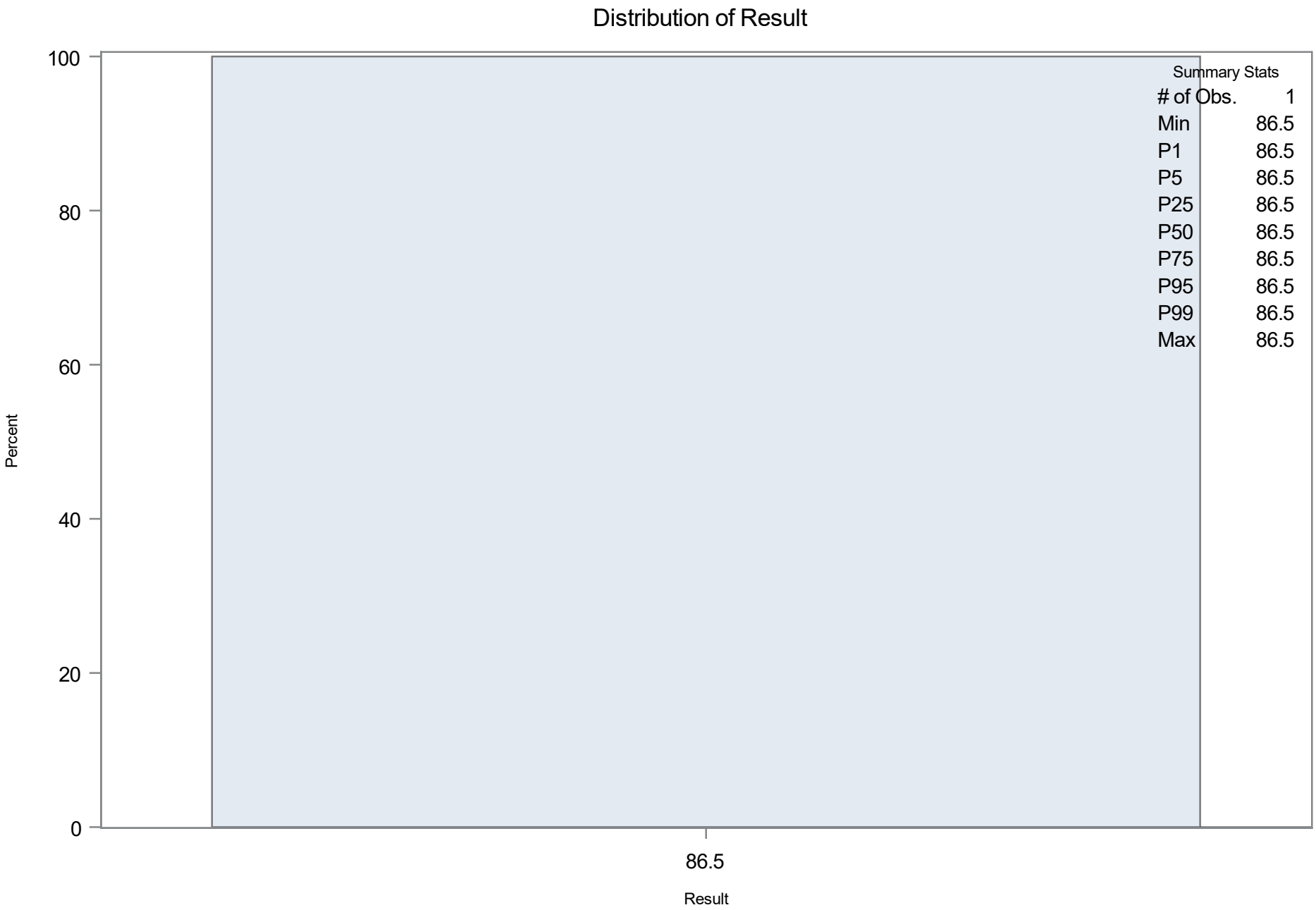
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

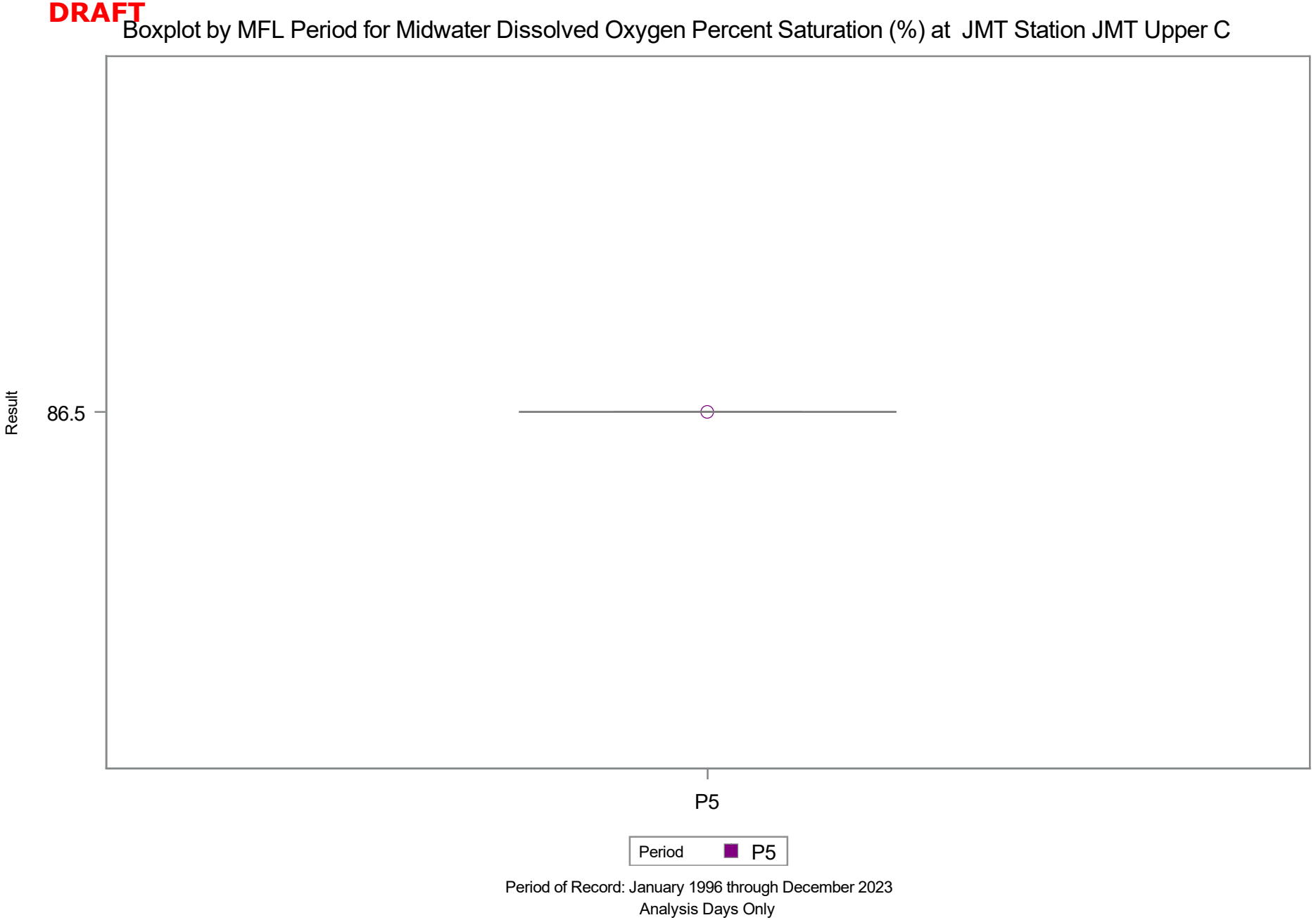
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	86.50	86.50	86.50	86.50	86.50	86.50

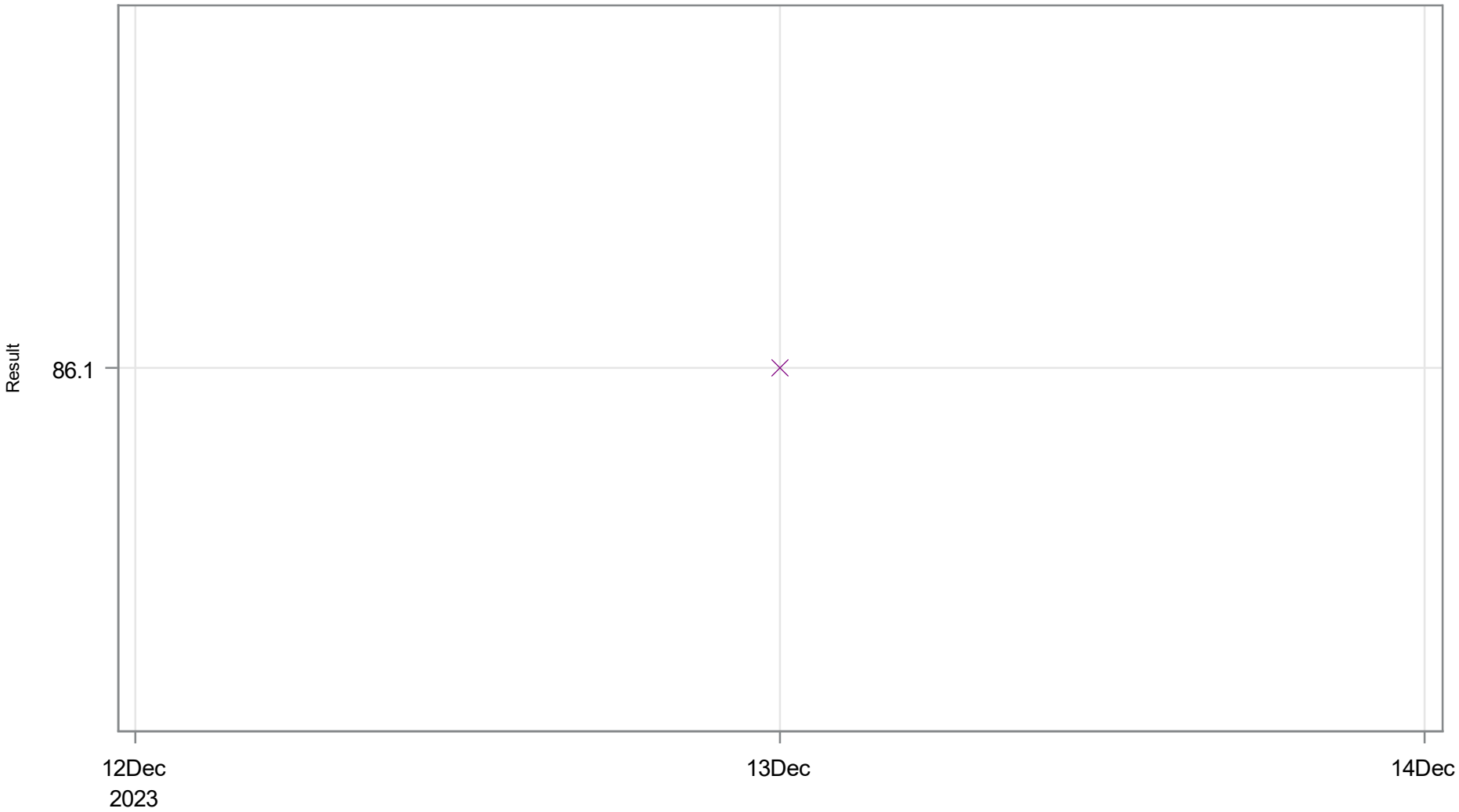
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C
Result
86.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

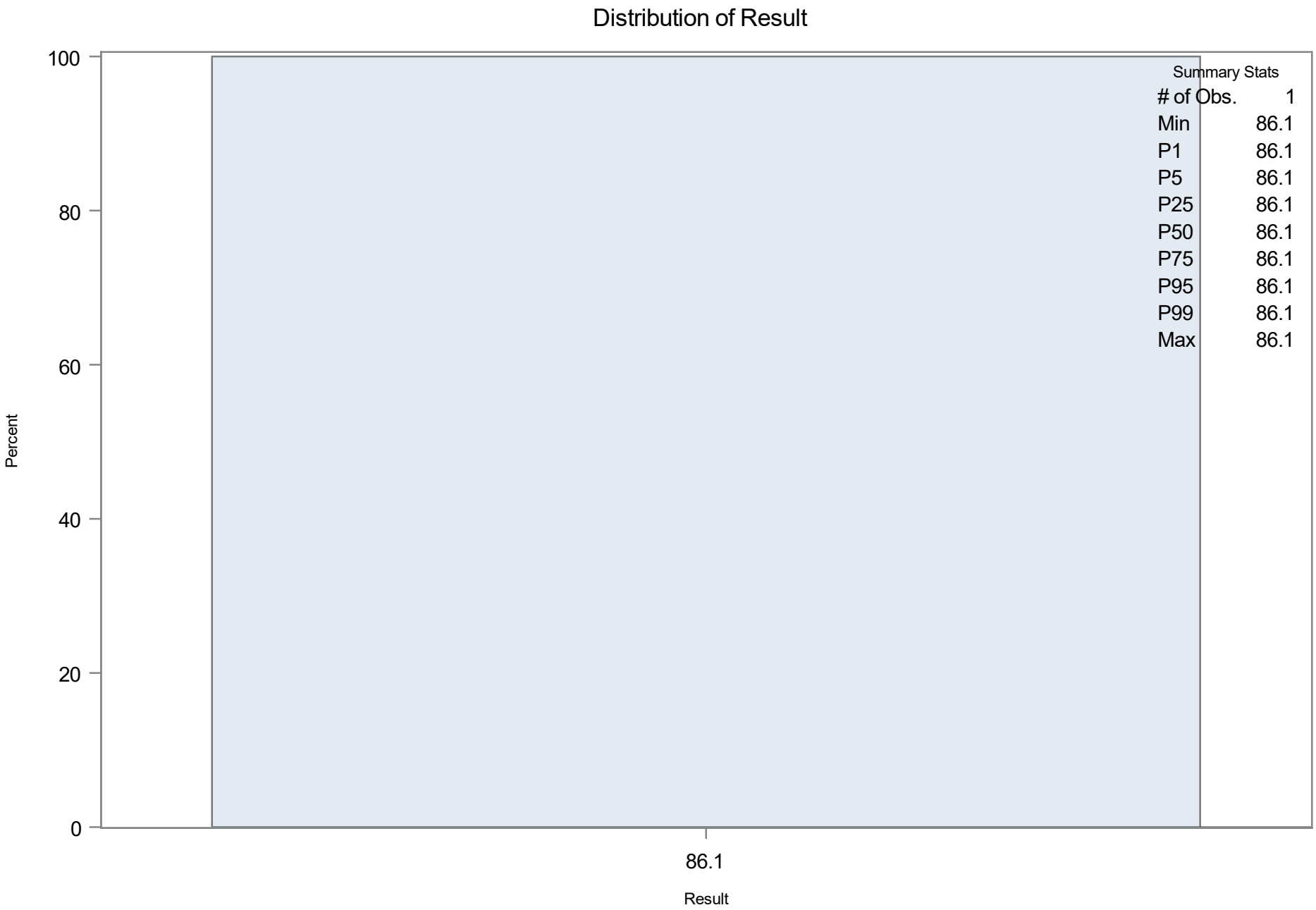
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C**



Period of Record: January 1996 through December 2023
Analysis Days Only

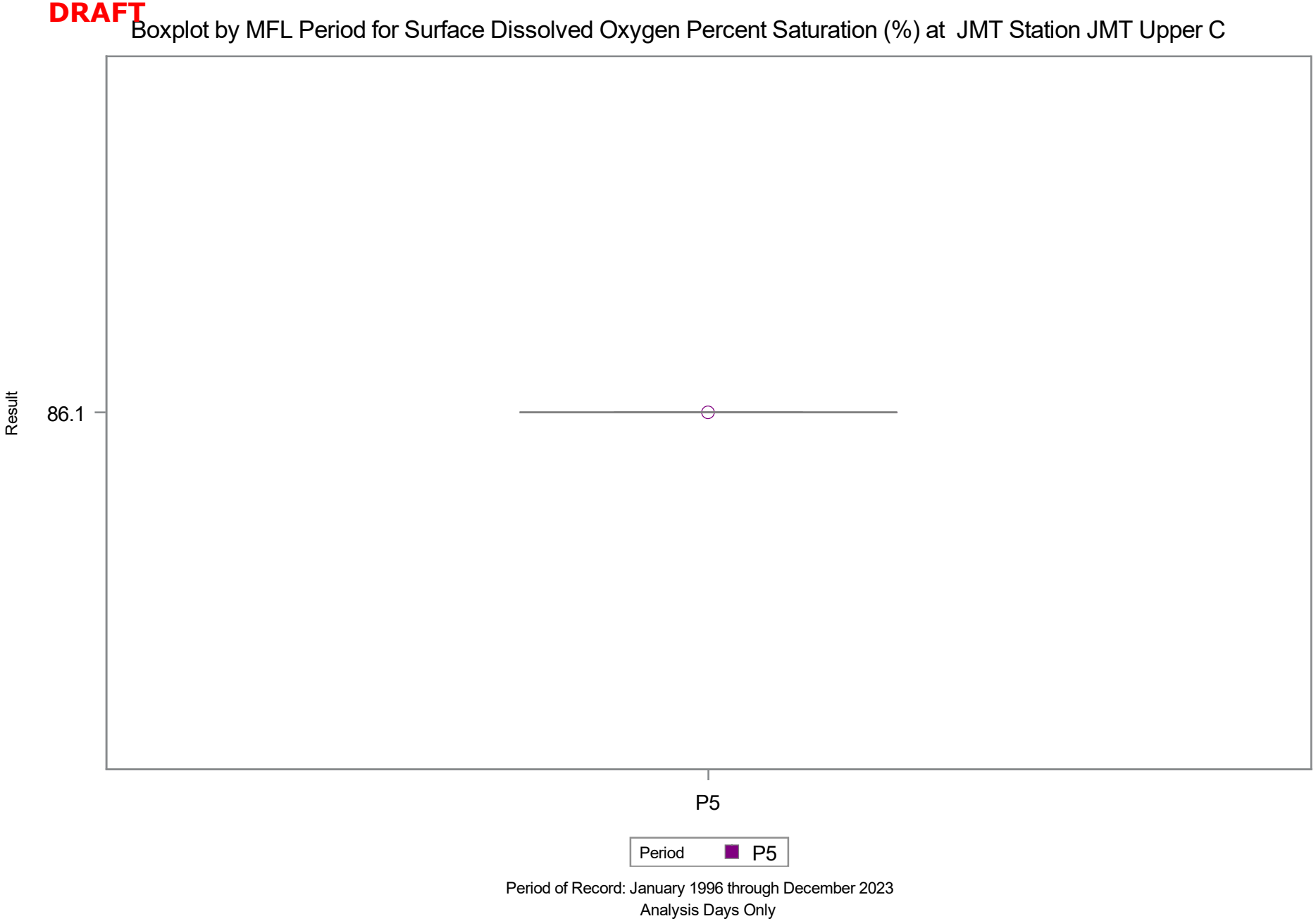
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	86.10	86.10	86.10	86.10	86.10	86.10

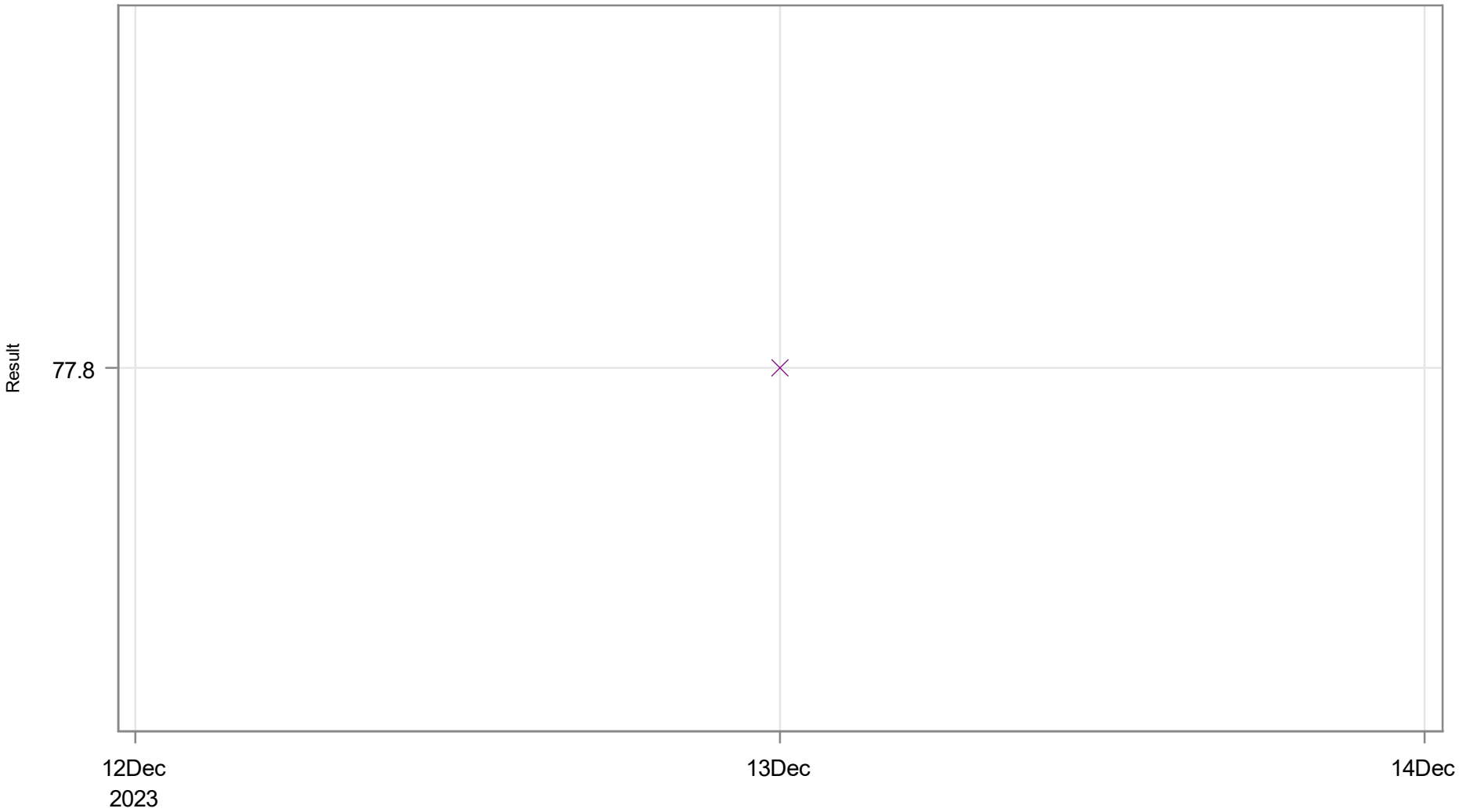
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper C
Result
86.1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

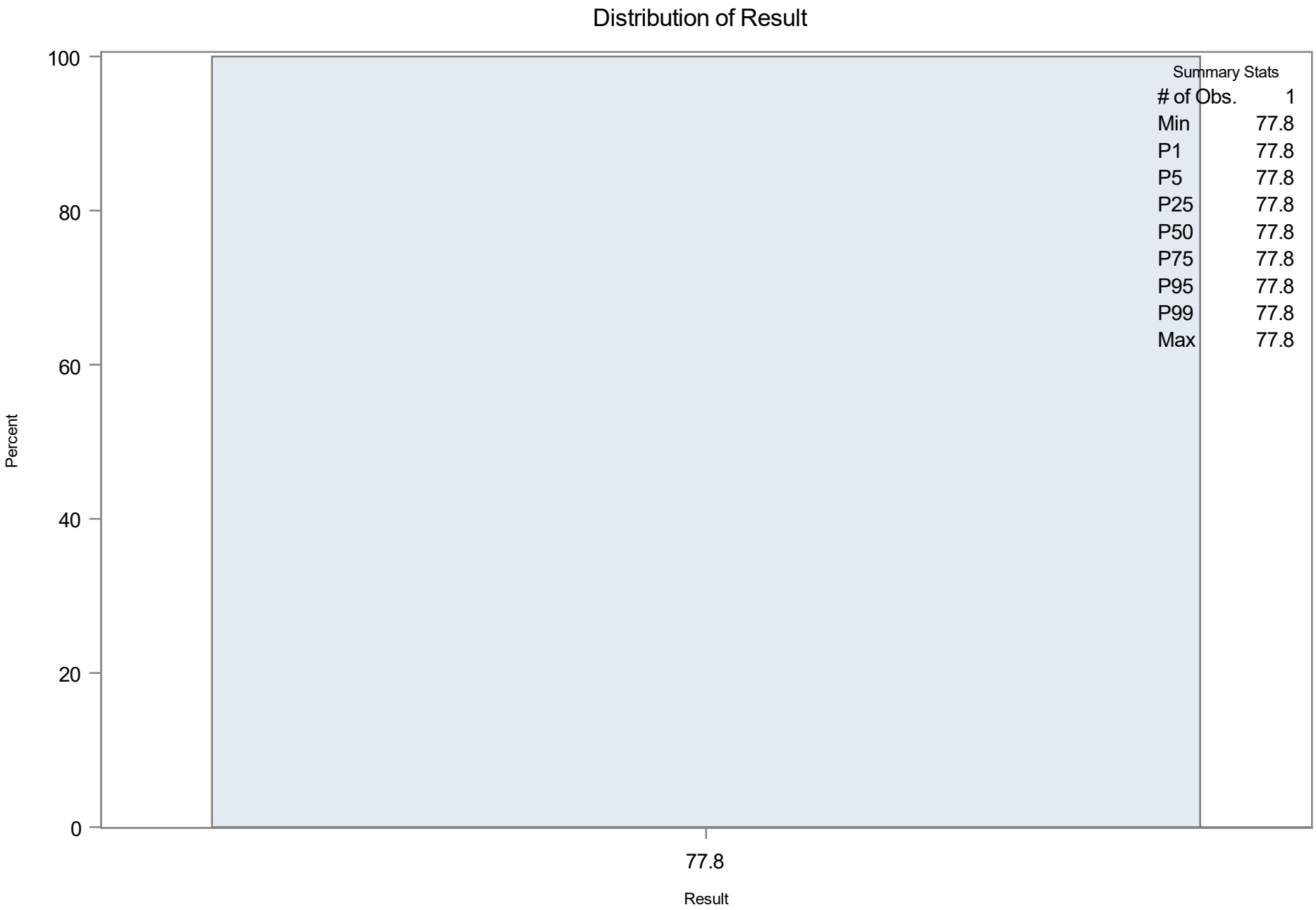
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D**



Period of Record: January 1996 through December 2023
Analysis Days Only

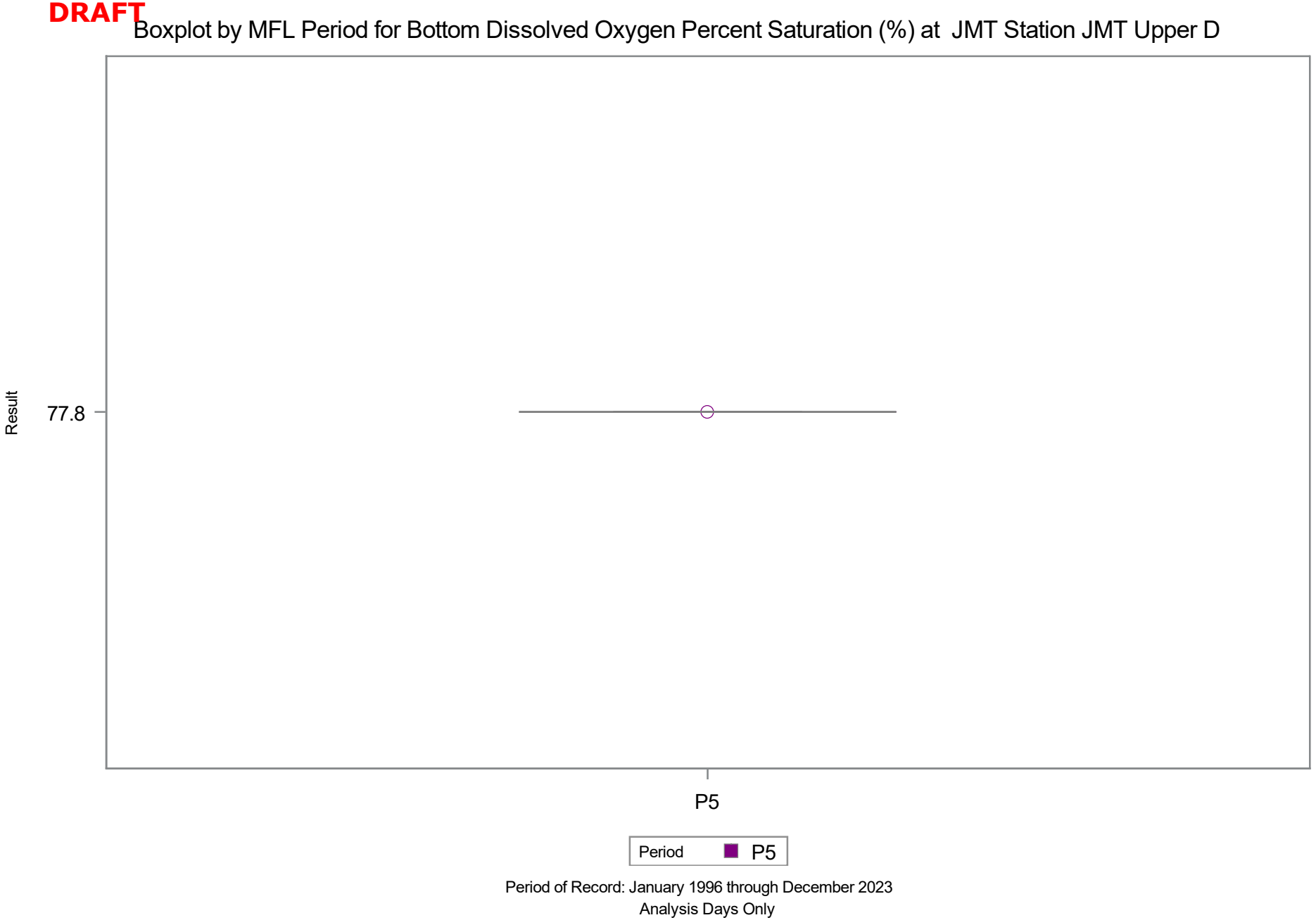
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D

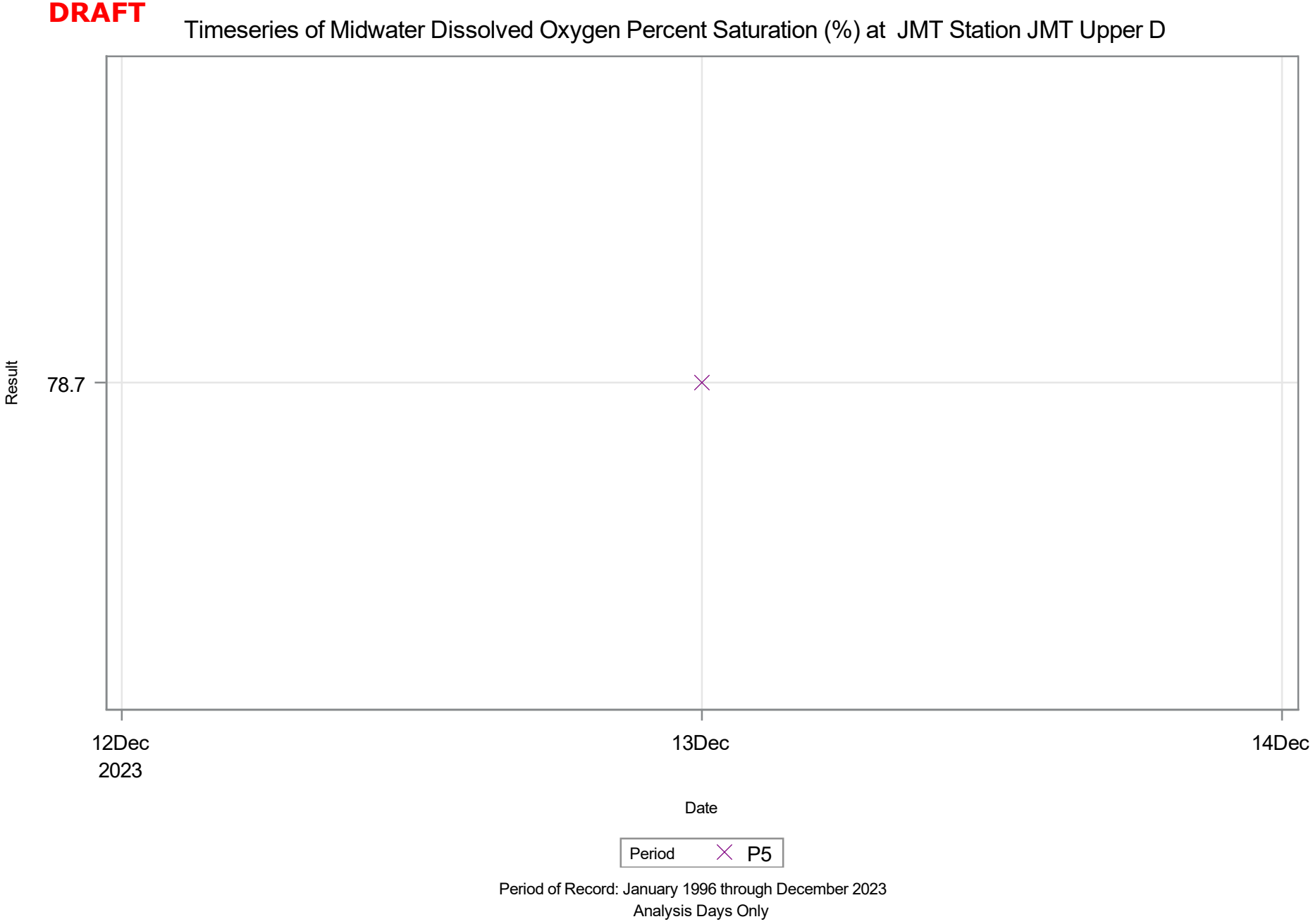
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	77.80	77.80	77.80	77.80	77.80	77.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

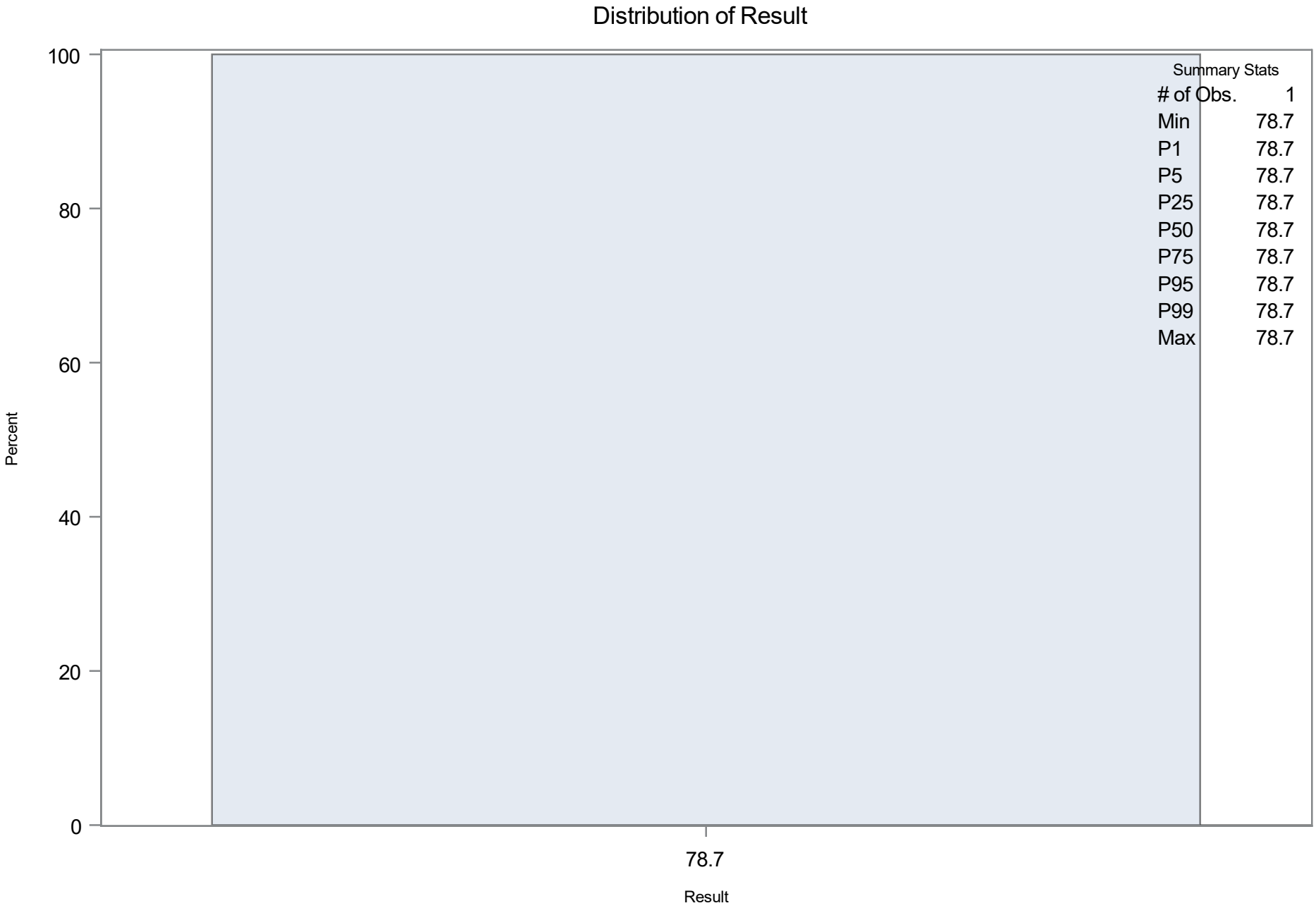

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D
Result
77.8
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D
Result
78.7
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

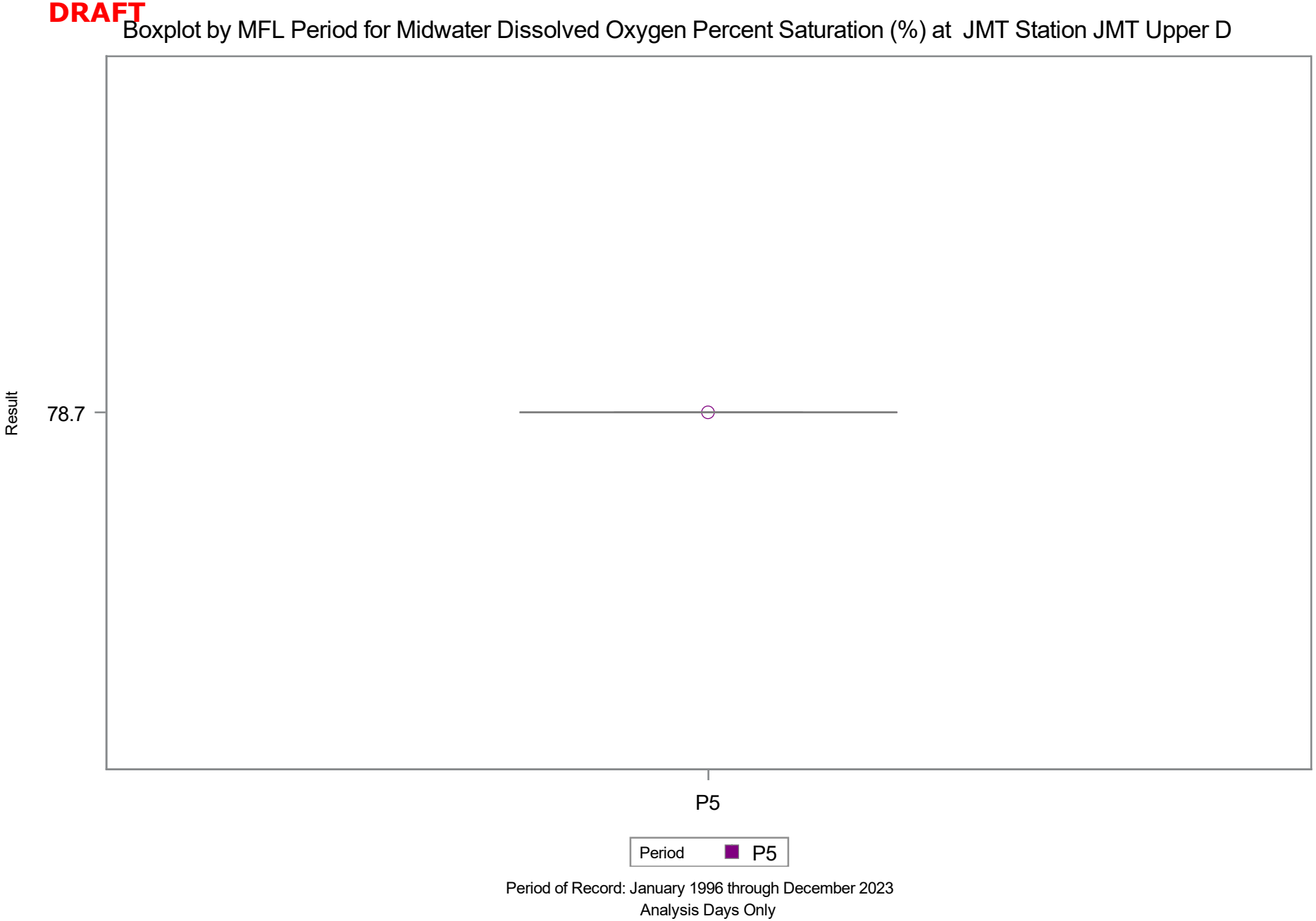
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	78.70	78.70	78.70	78.70	78.70	78.70

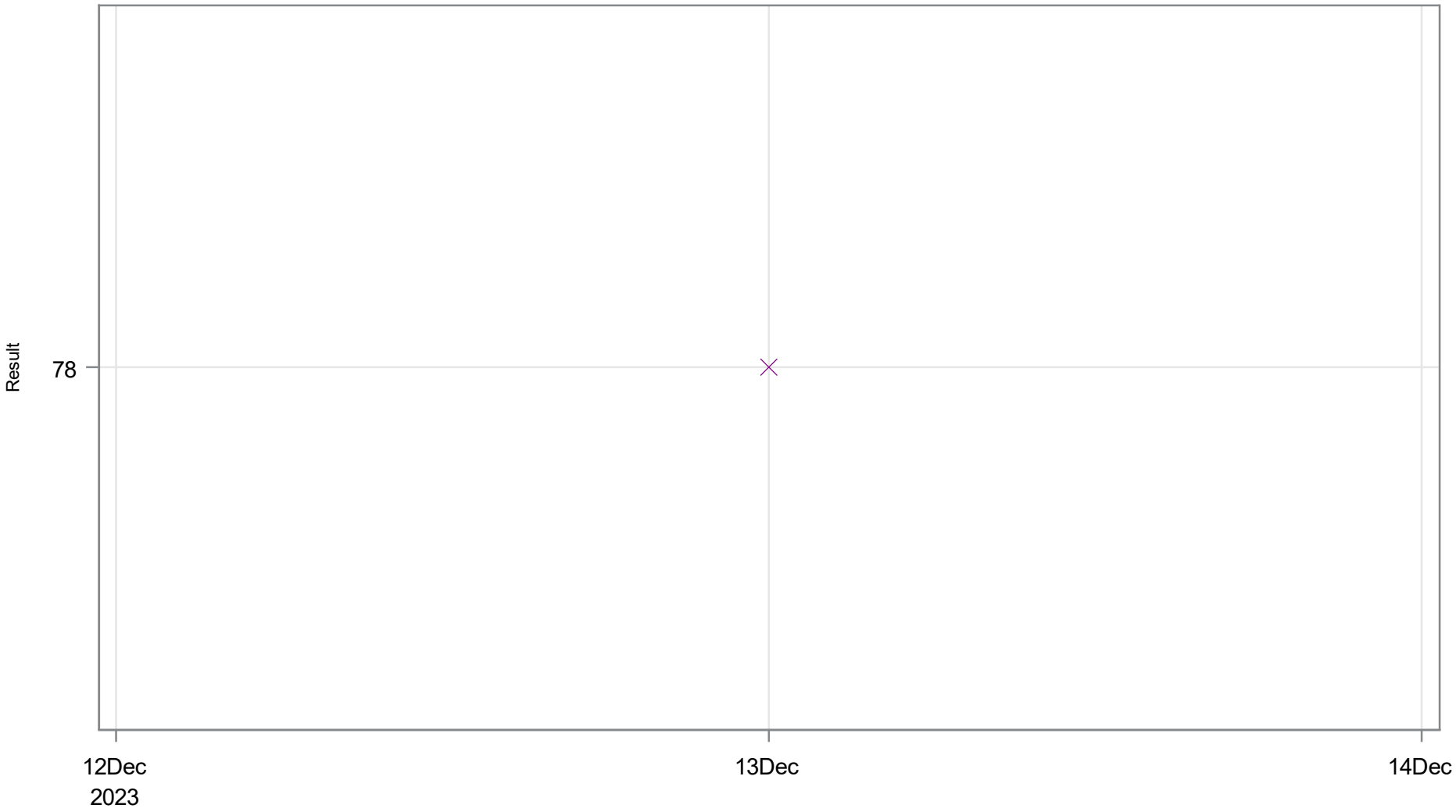
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D
Result
78.7
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

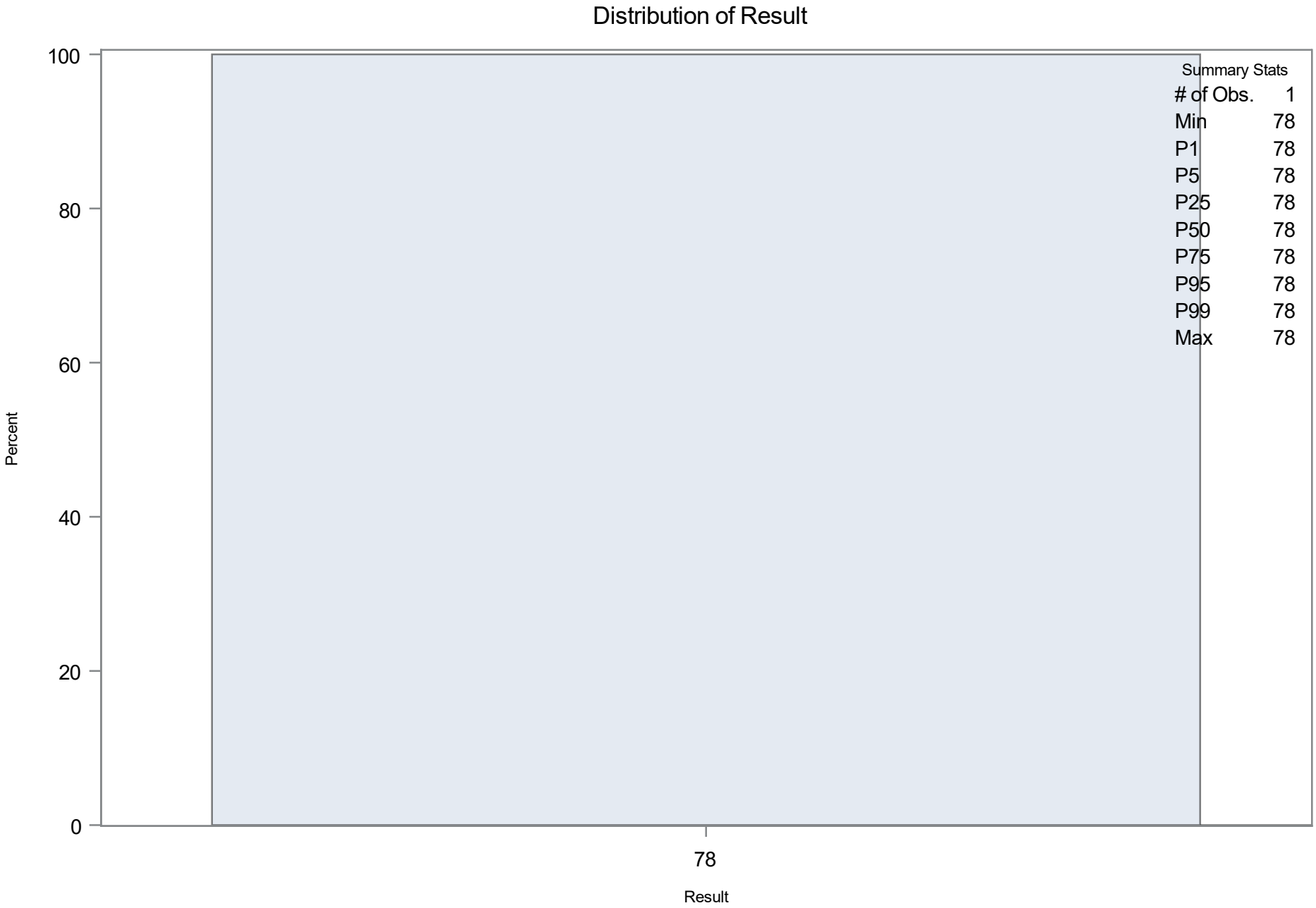
DRAFT

Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D**



Period of Record: January 1996 through December 2023
Analysis Days Only

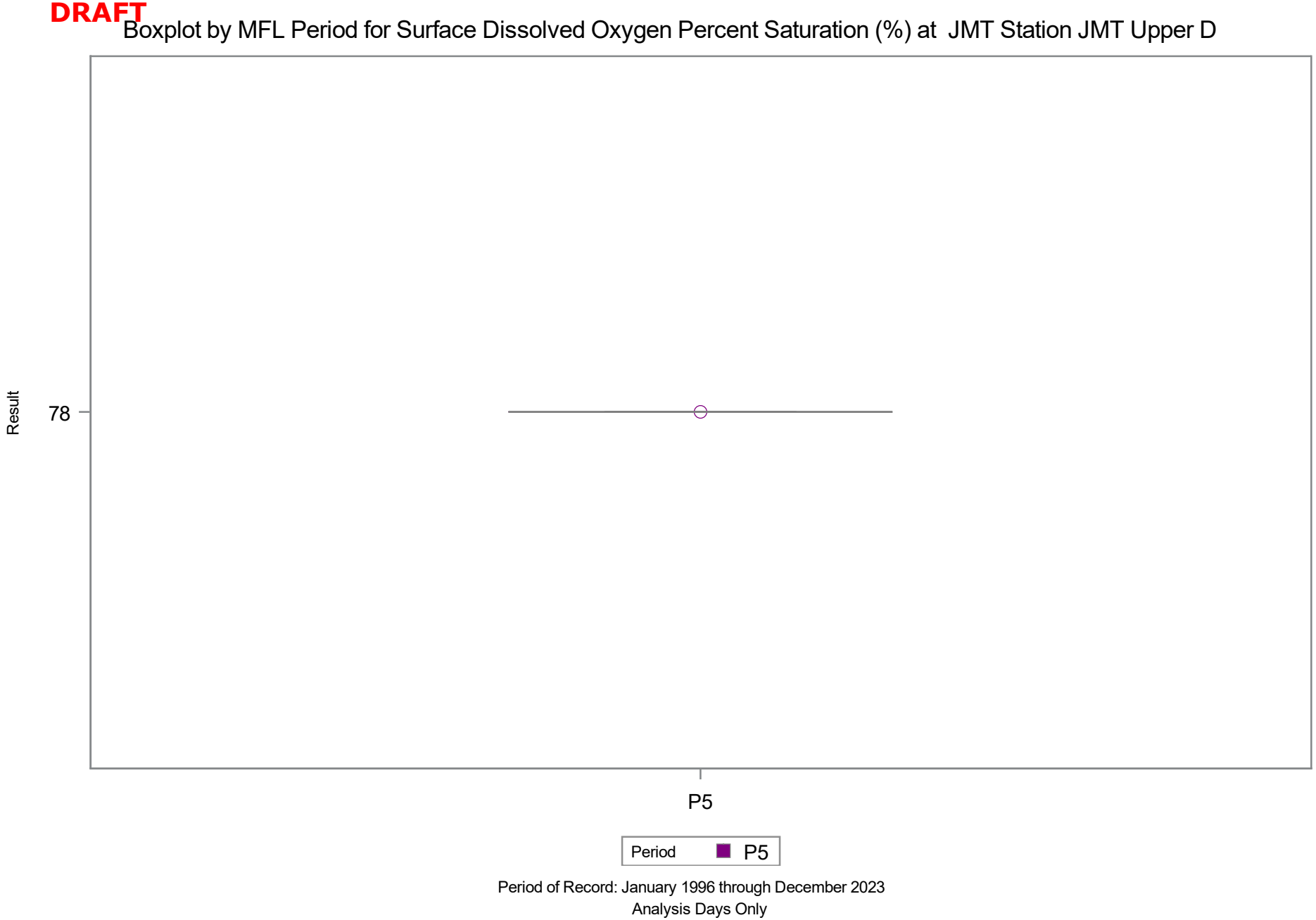
DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	78.00	78.00	78.00	78.00	78.00	78.00

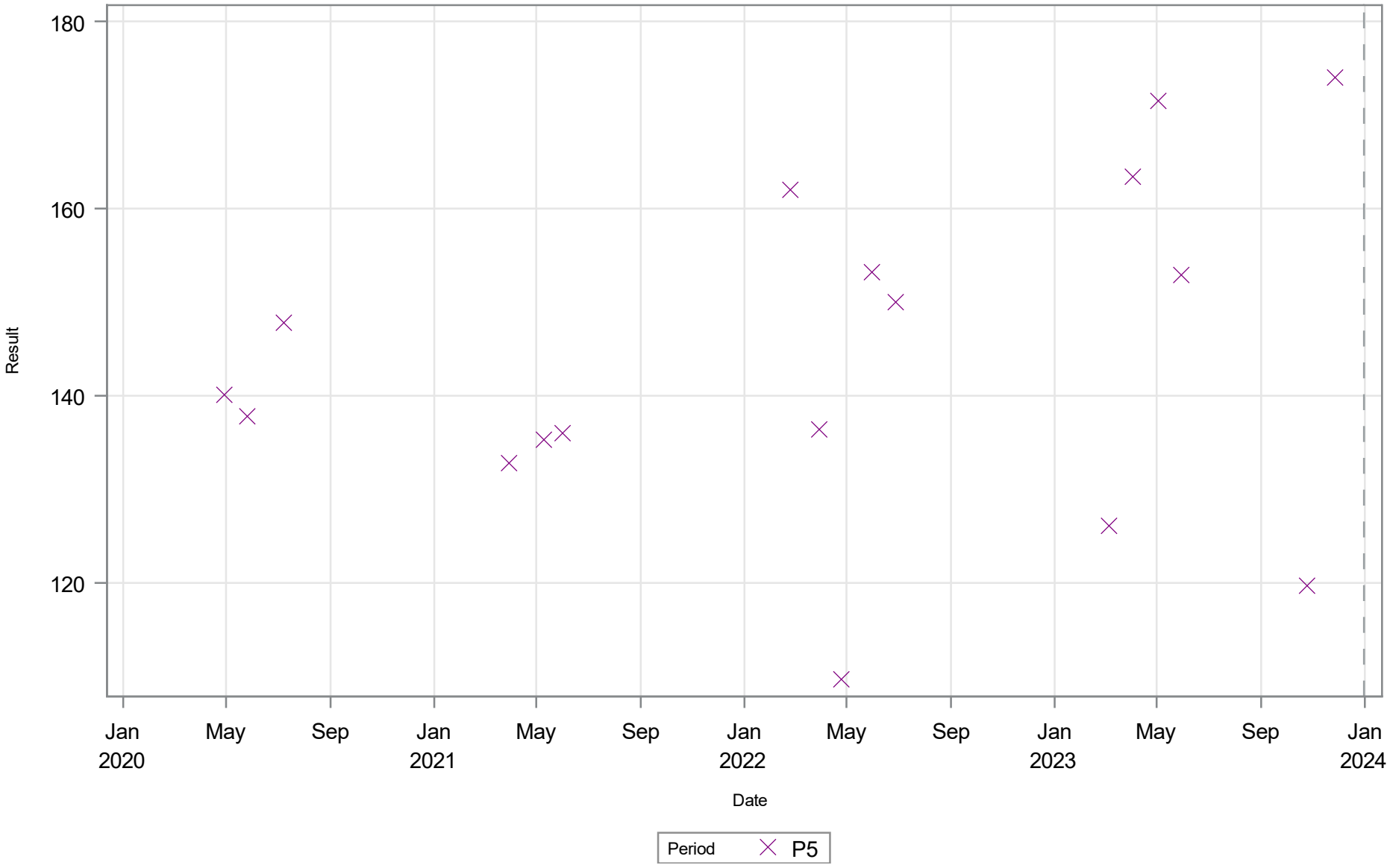
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at JMT Station JMT Upper D
Result
78
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

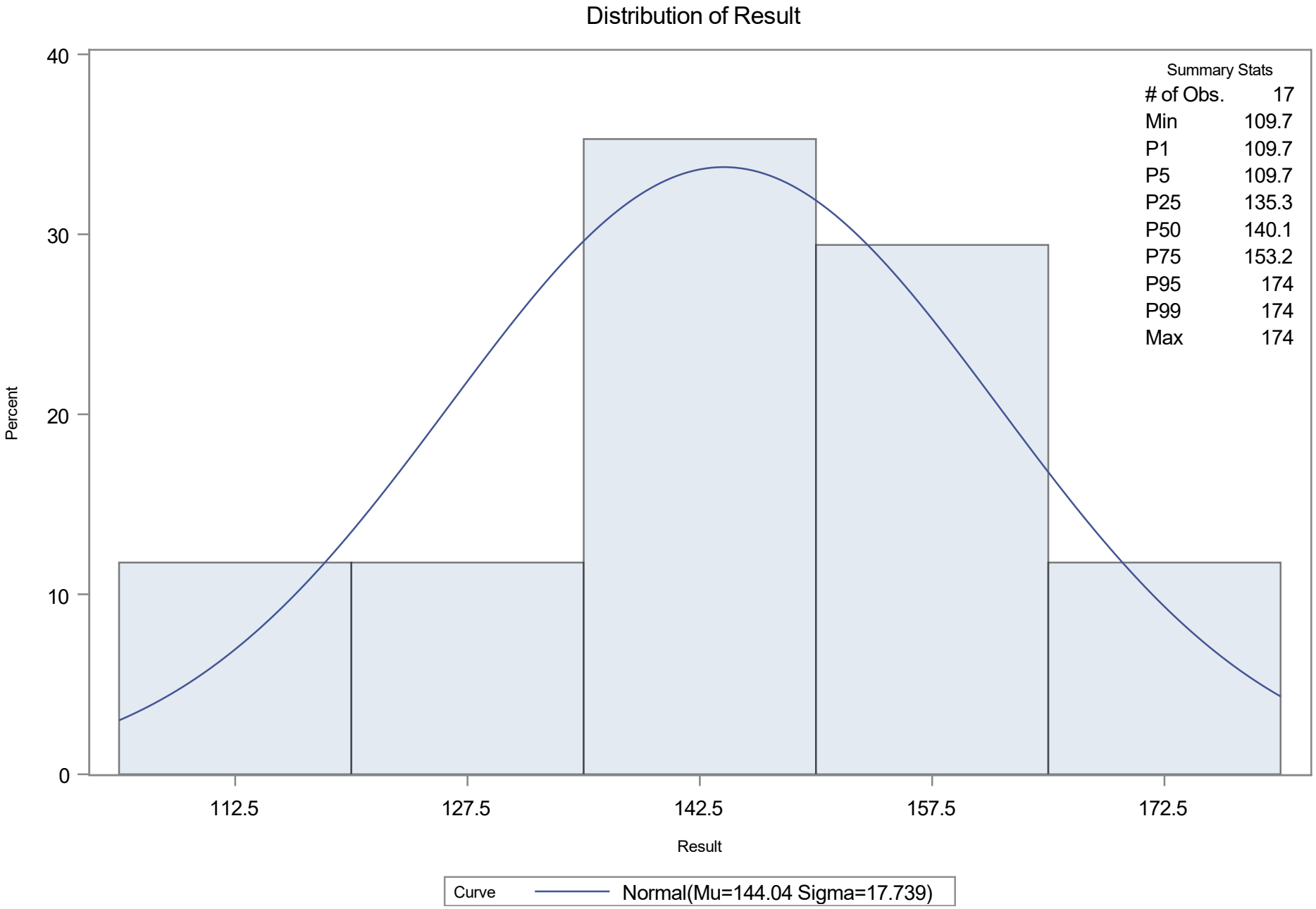
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	144.0412
Std Dev	Sigma	17.73908

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11732284	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03287535	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19603799	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	109.700	102.774
5.0	109.700	114.863
10.0	119.700	121.308
25.0	135.300	132.076
50.0	140.100	144.041
75.0	153.200	156.006
90.0	171.500	166.775
95.0	174.000	173.219
99.0	174.000	185.308

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

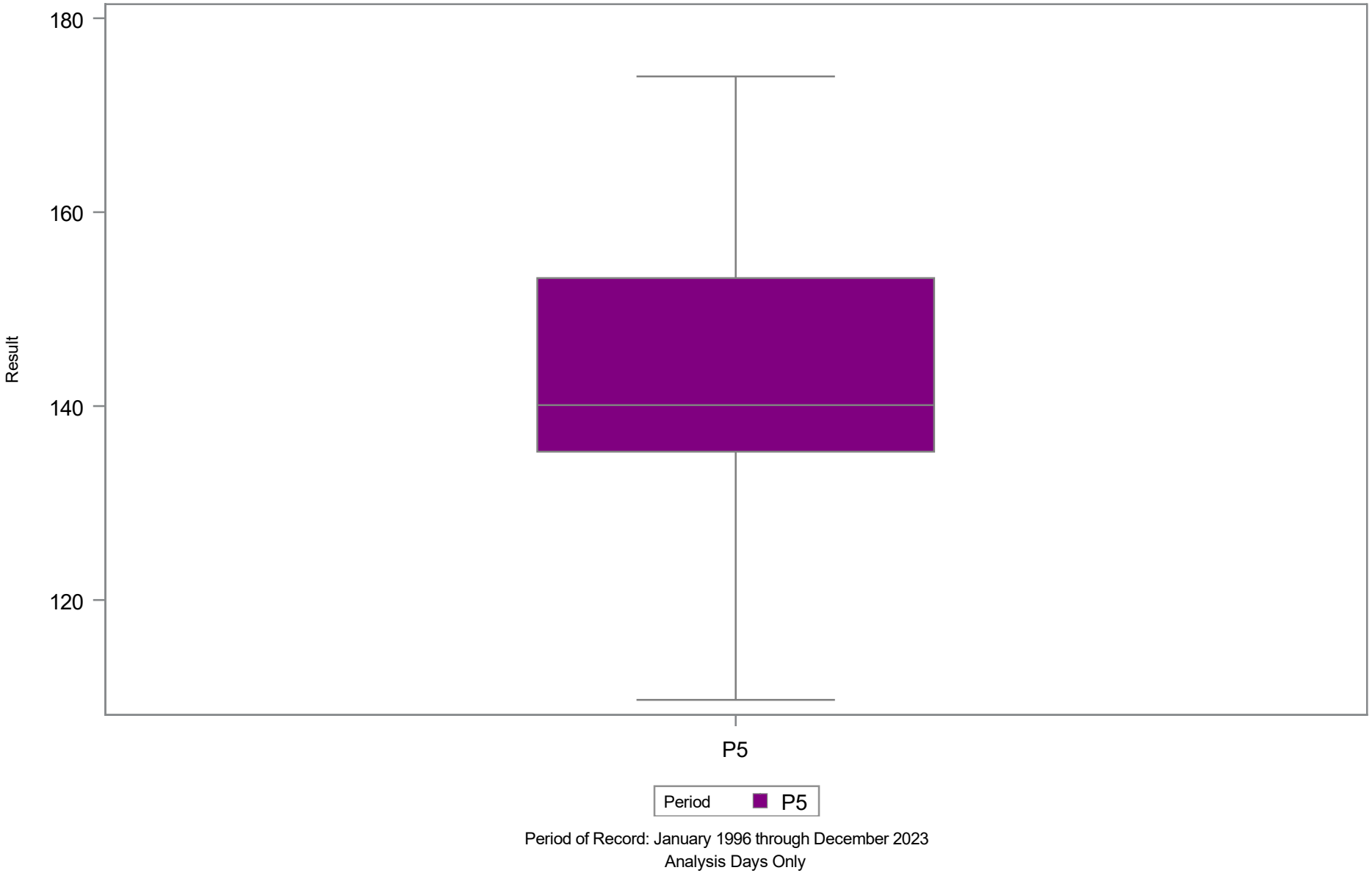
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR01 SN 800043

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	17	109.70	135.30	144.04	140.10	153.20	174.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

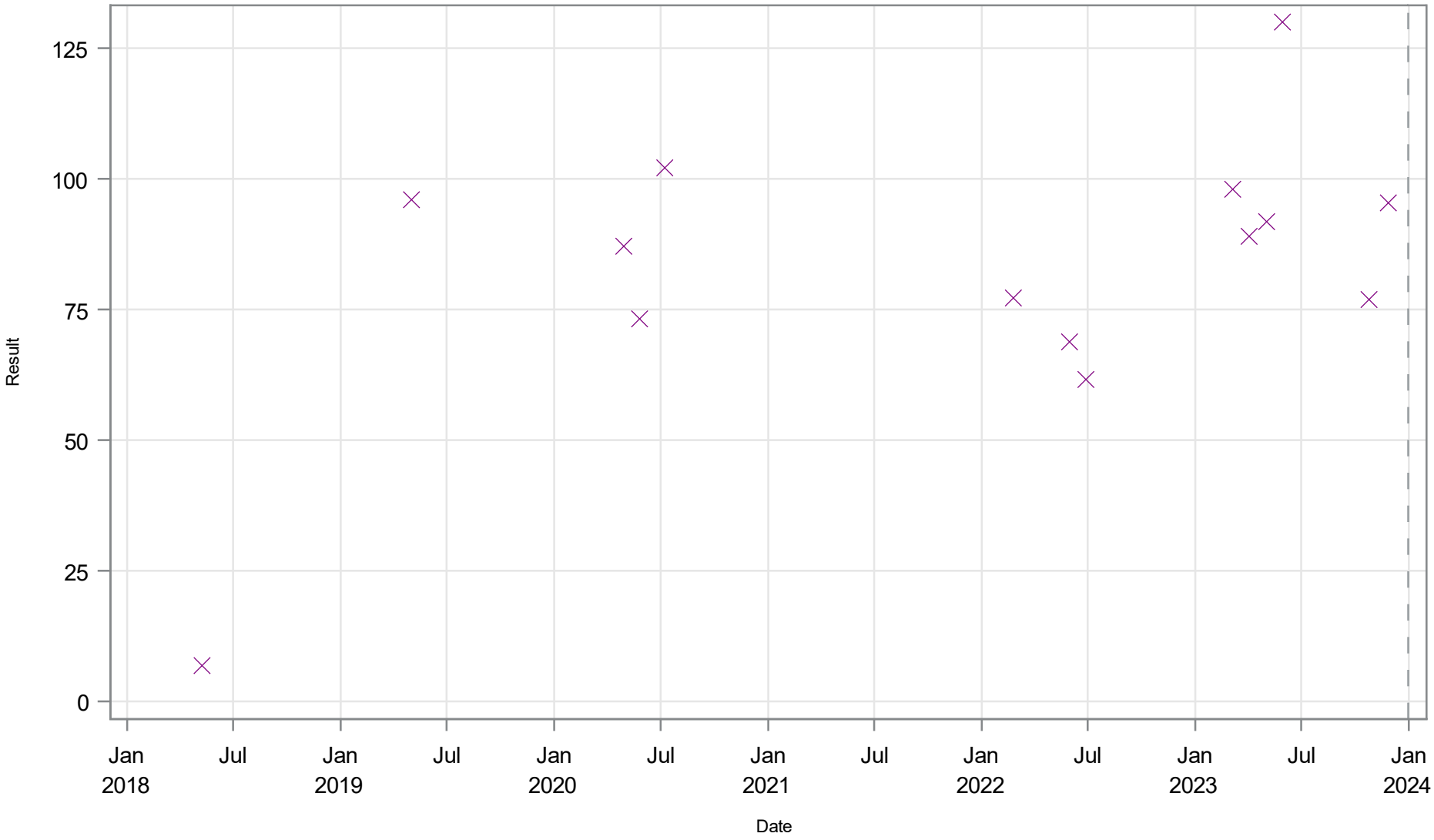
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

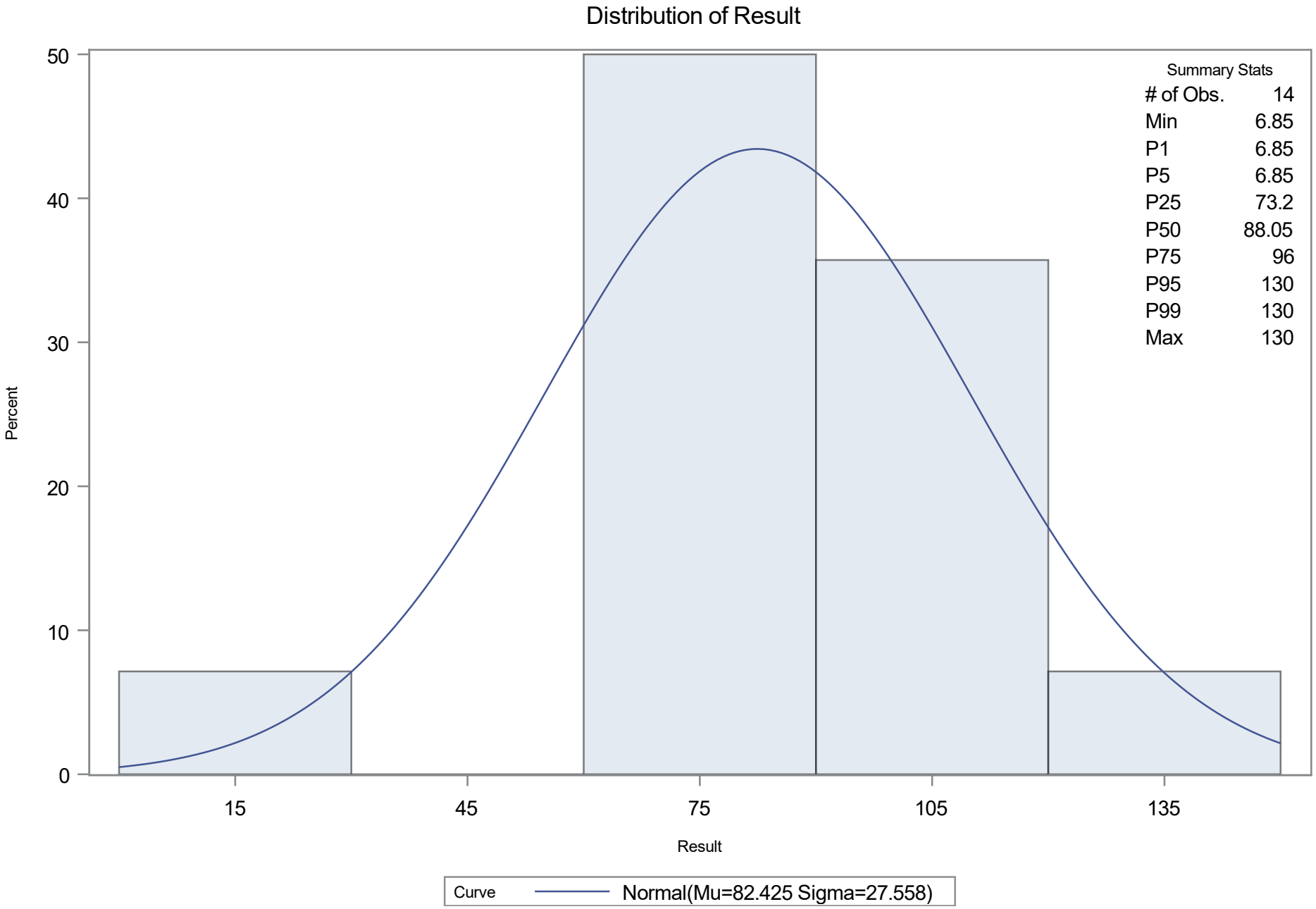
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	82.425
Std Dev	Sigma	27.55764

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16764825	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.11036012	**Pr > W-Sq**	0.077
Anderson-Darling	**A-Sq**	0.71653711	**Pr > A-Sq**	0.048

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.85000	18.3163
5.0	6.85000	37.0967
10.0	61.60000	47.1085
25.0	73.20000	63.8377
50.0	88.05000	82.4250
75.0	96.00000	101.0123
90.0	102.10000	117.7415
95.0	130.00000	127.7533
99.0	130.00000	146.5337

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

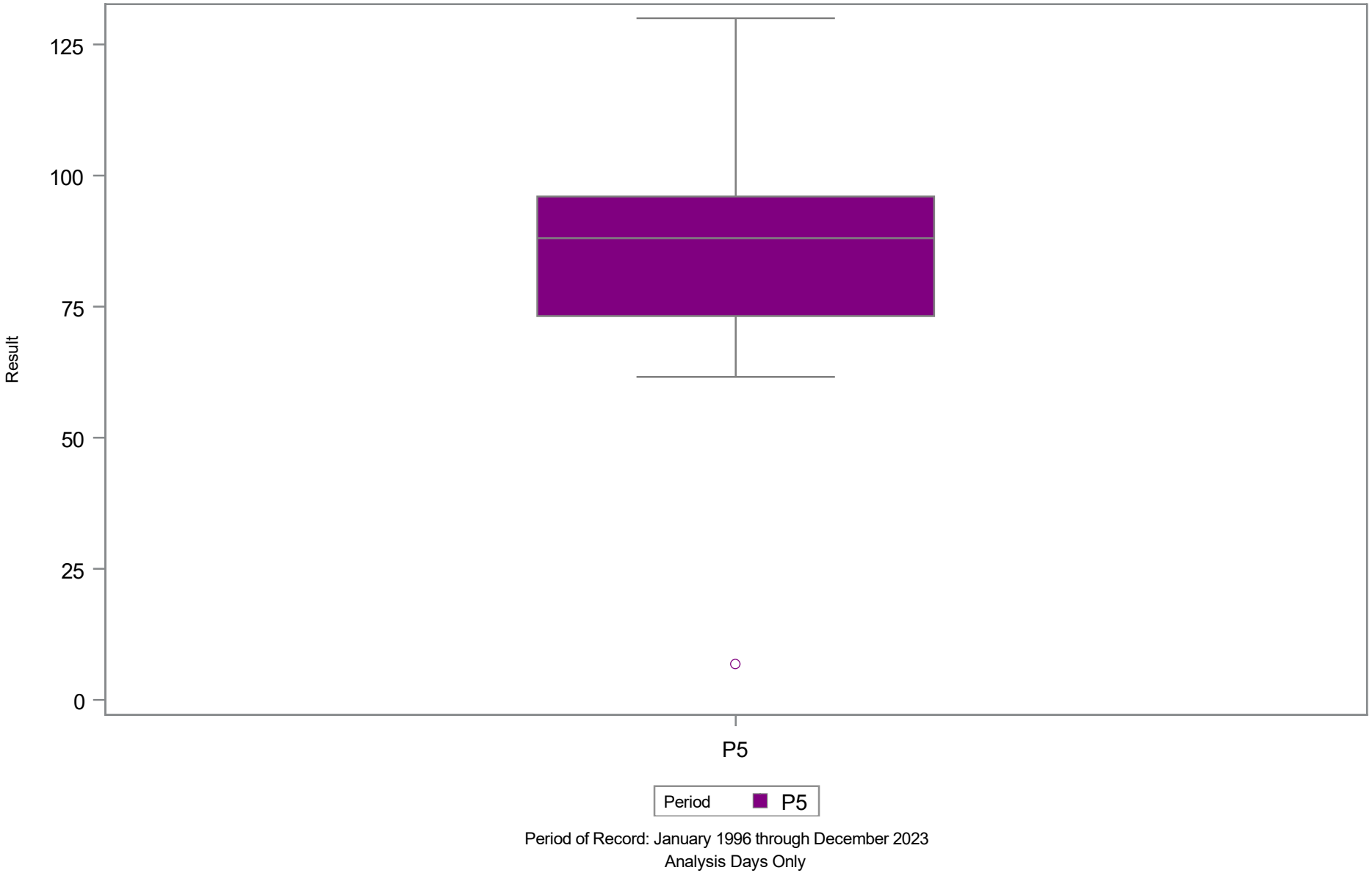
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	6.85	73.20	82.43	88.05	96.00	130.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

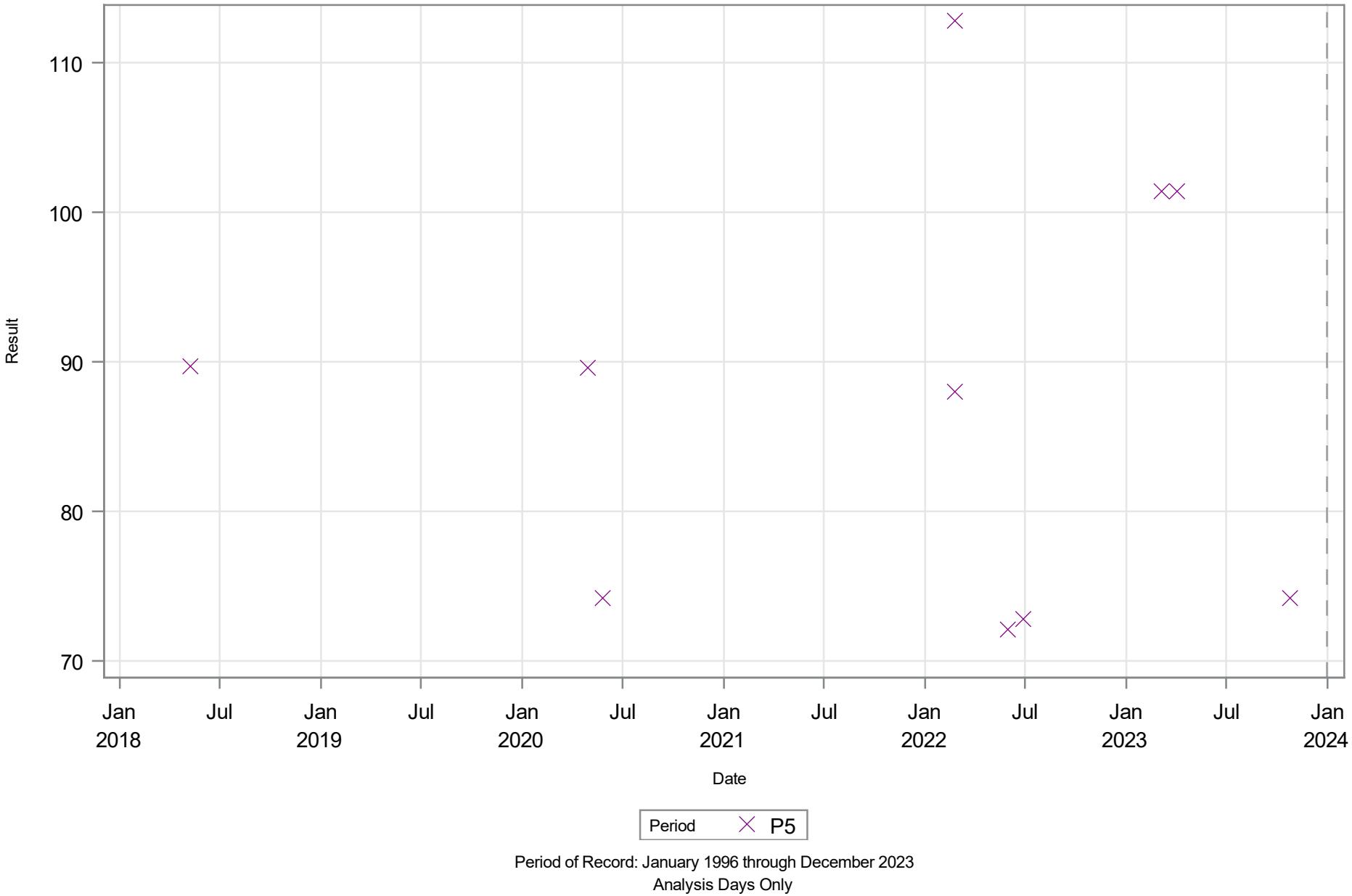
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02
SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

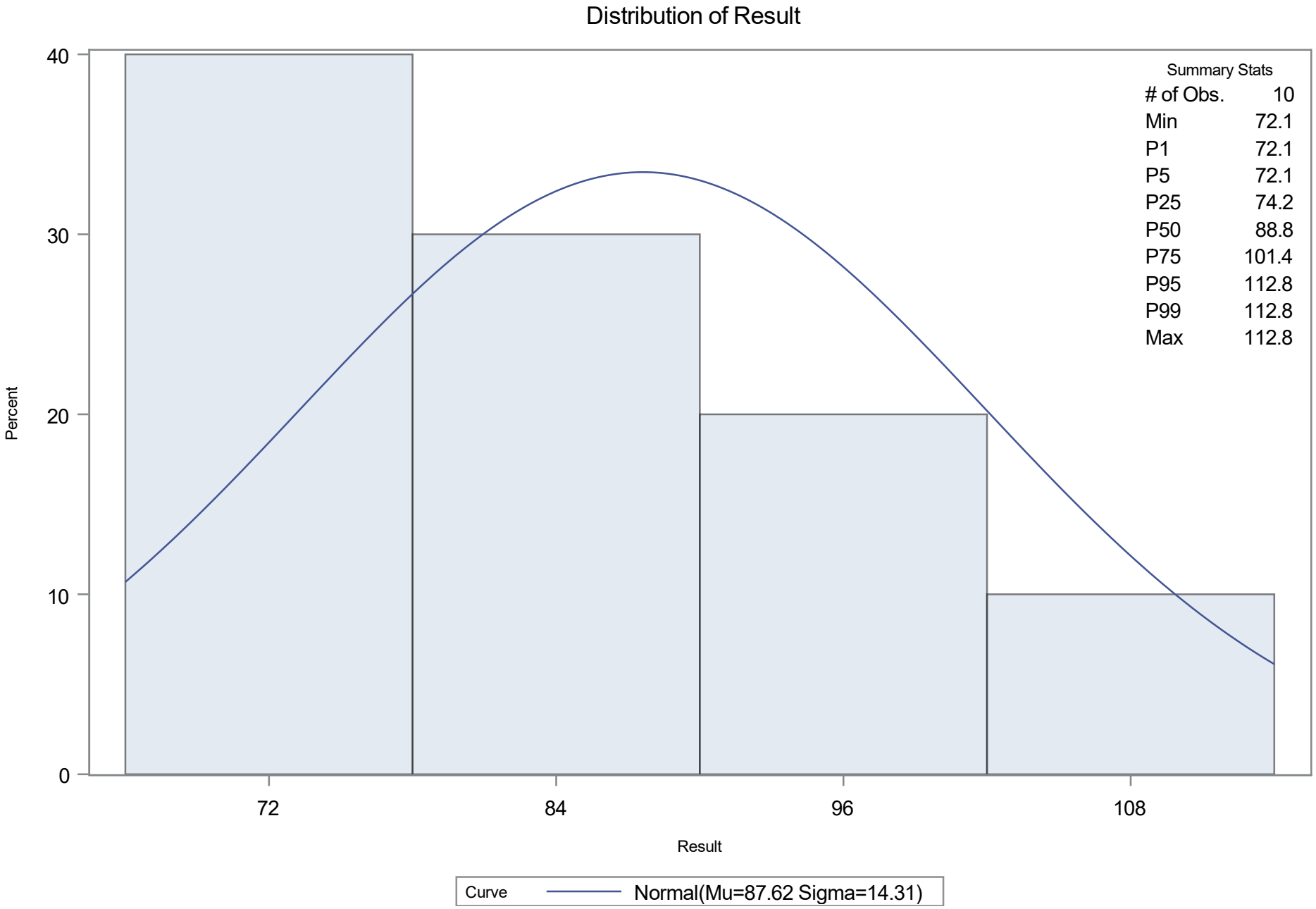
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	87.62
Std Dev	Sigma	14.30965

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22583369	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07232493	**Pr > W-Sq**	0.239
Anderson-Darling	**A-Sq**	0.47339513	**Pr > A-Sq**	0.196

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	72.1000	54.3308
5.0	72.1000	64.0827
10.0	72.4500	69.2814
25.0	74.2000	77.9683
50.0	88.8000	87.6200
75.0	101.4000	97.2717
90.0	107.1000	105.9586
95.0	112.8000	111.1573
99.0	112.8000	120.9092

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

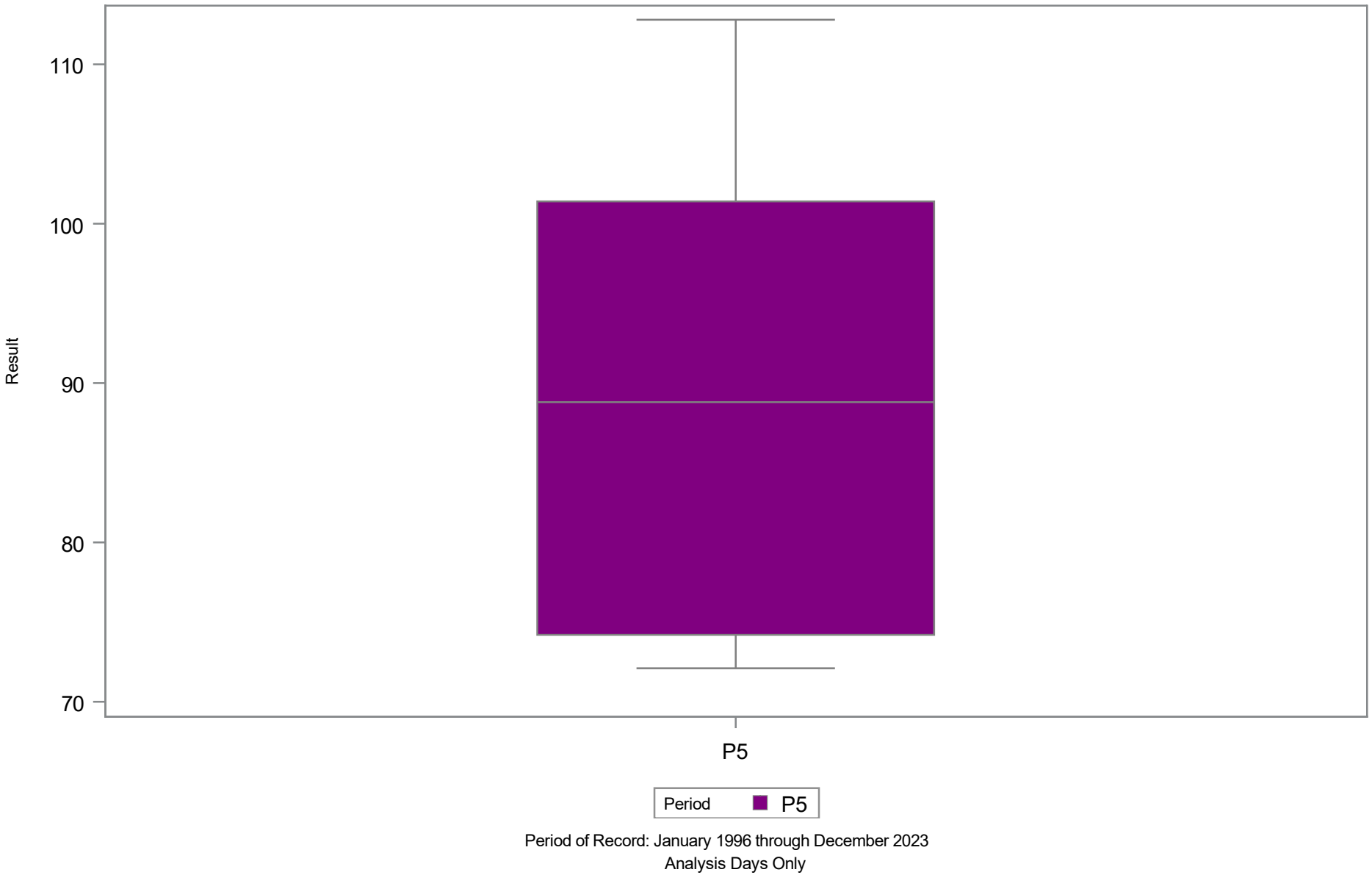
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	10	72.10	74.20	87.62	88.80	101.40	112.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

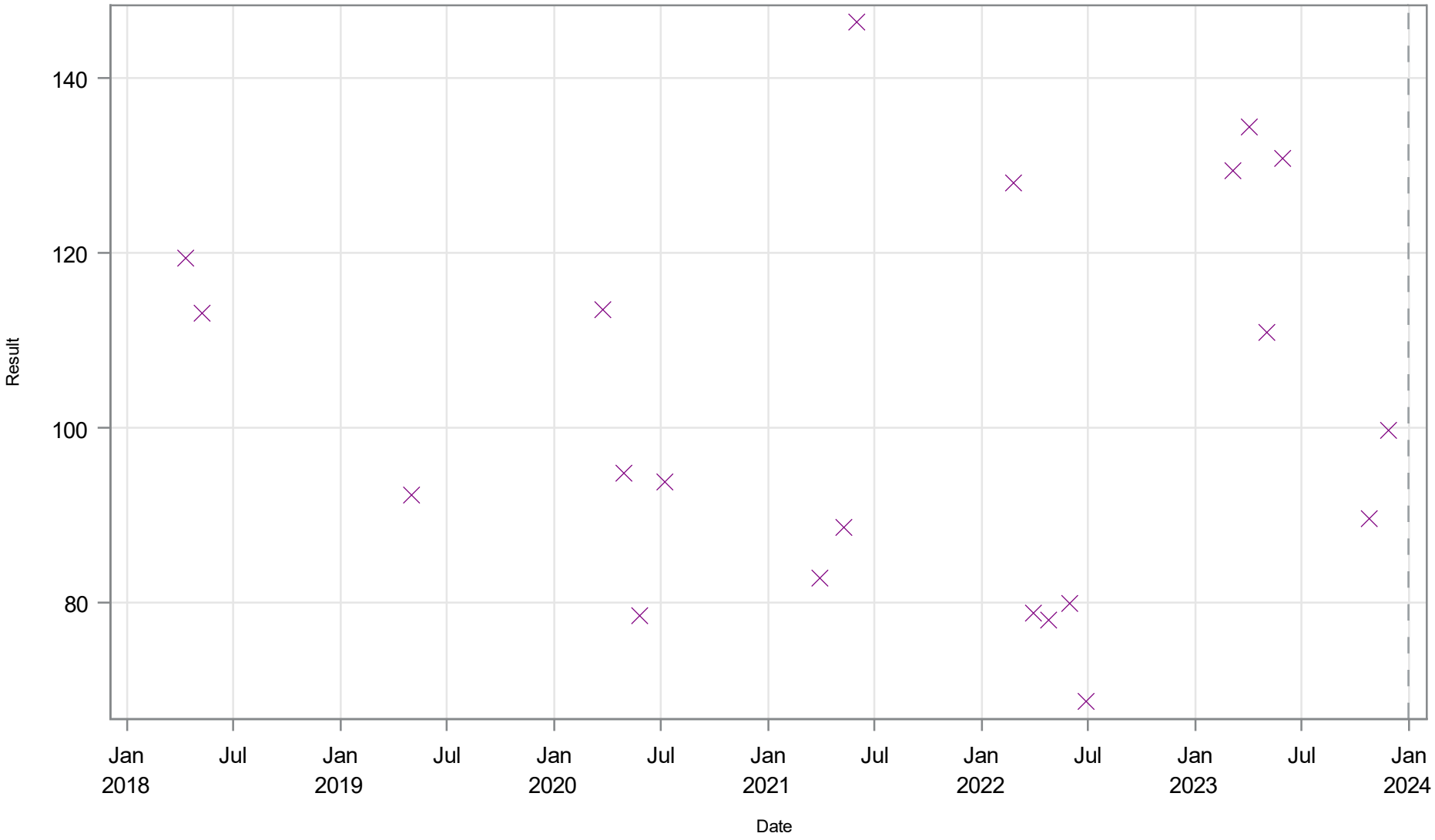
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

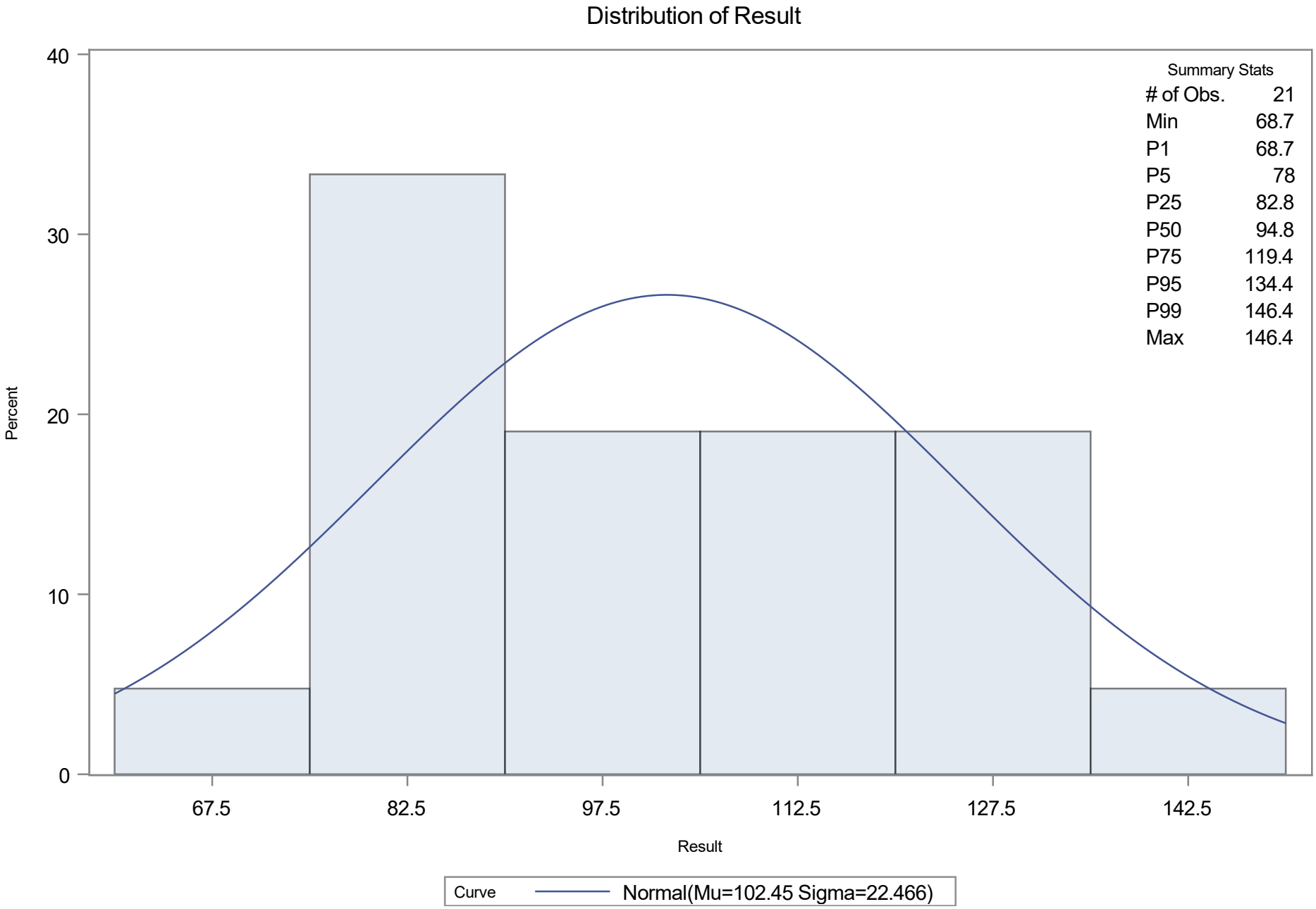
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	102.4476
Std Dev	Sigma	22.46637

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15703300	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08623369	**Pr > W-Sq**	0.166
Anderson-Darling	**A-Sq**	0.51136485	**Pr > A-Sq**	0.182

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	68.7000	50.1830
5.0	78.0000	65.4937
10.0	78.5000	73.6558
25.0	82.8000	87.2943
50.0	94.8000	102.4476
75.0	119.4000	117.6010
90.0	130.8000	131.2394
95.0	134.4000	139.4015
99.0	146.4000	154.7122

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	68.70	82.80	102.45	94.80	119.40	146.40

Period of Record: January 1996 through December 2023
Analysis Days Only

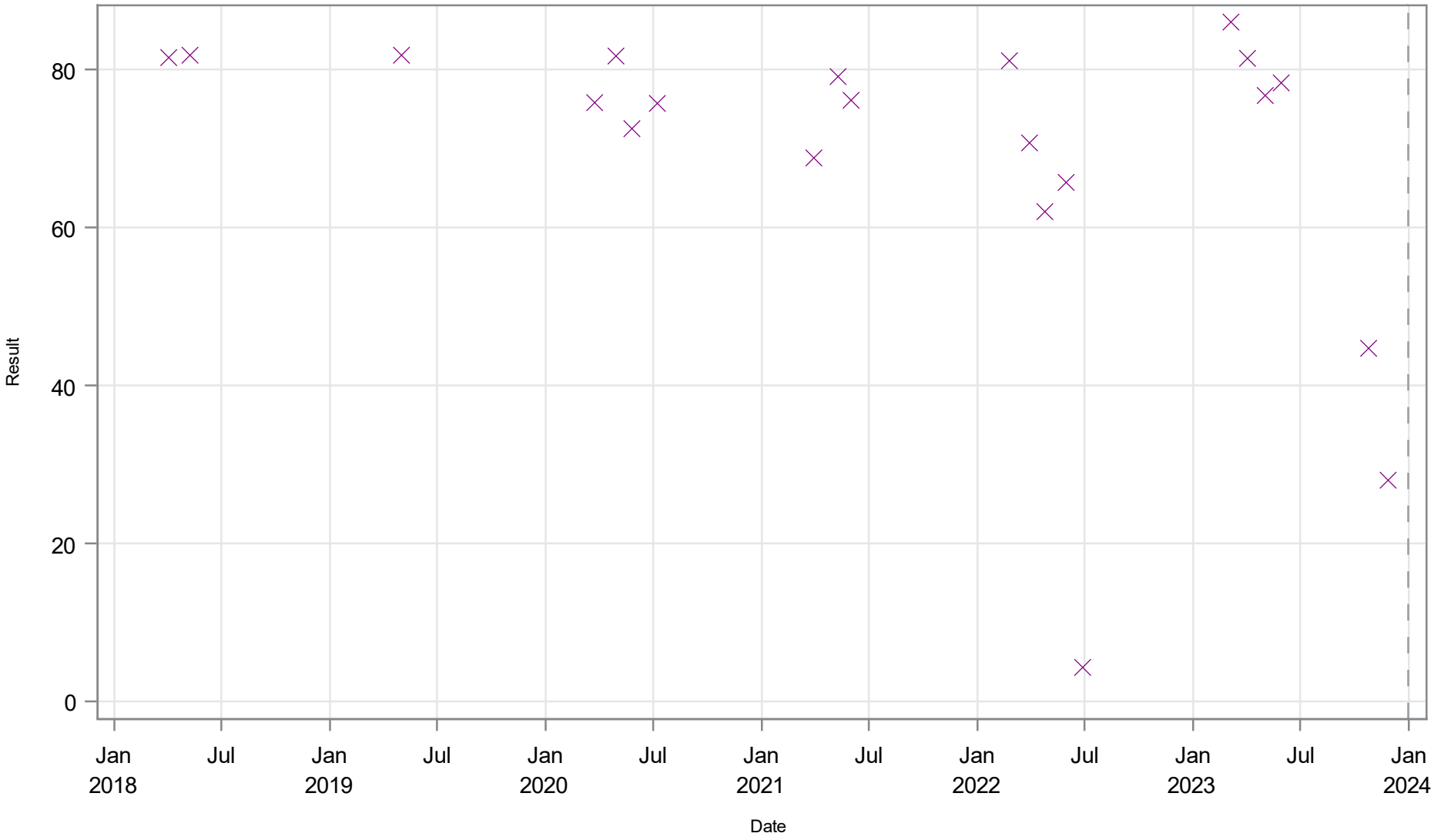
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR02 SN 800044

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

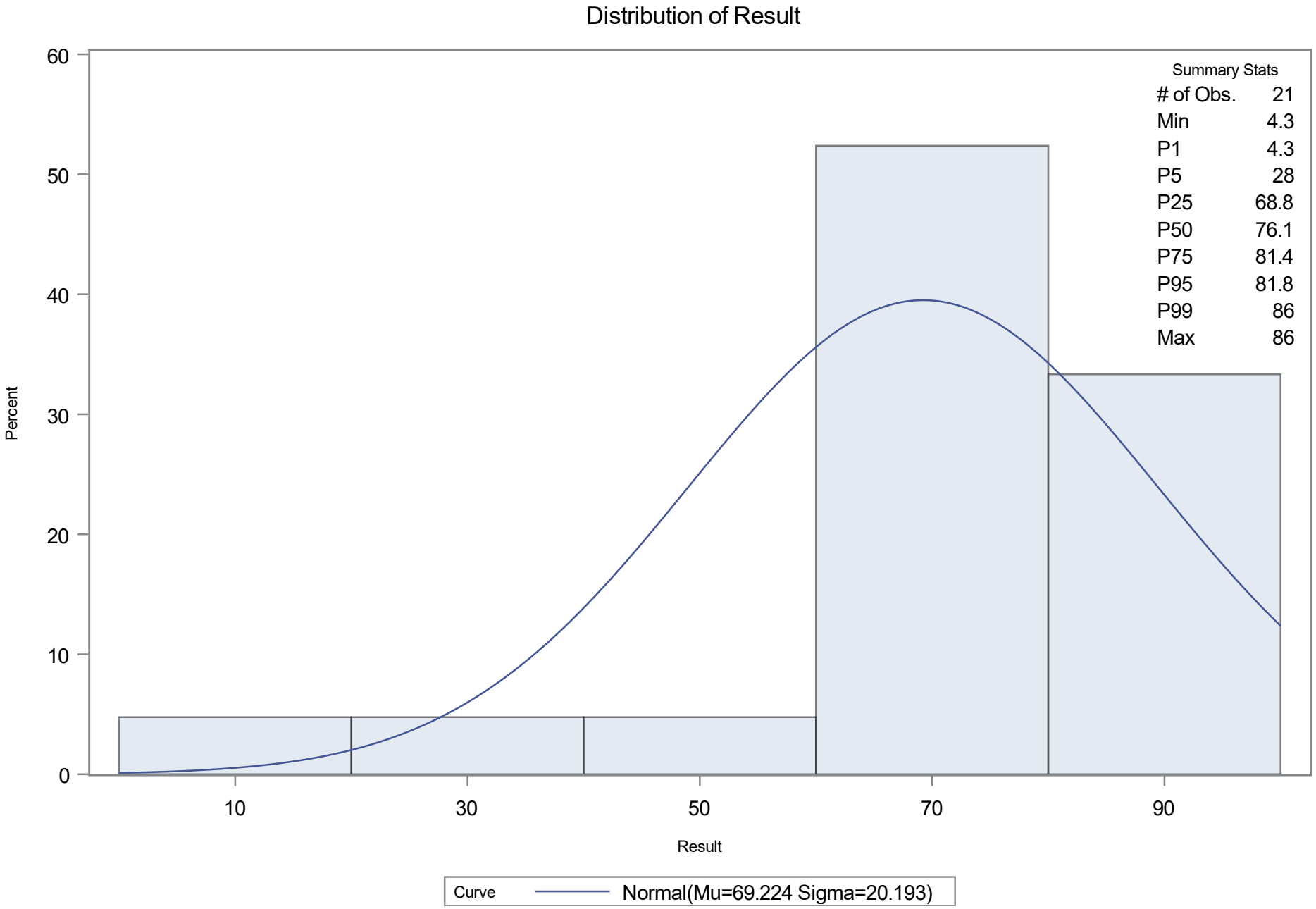
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	69.22381
Std Dev	Sigma	20.19321

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25353249	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.45706129	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.46041391	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.30000	22.2474
5.0	28.00000	36.0089
10.0	44.70000	43.3452
25.0	68.80000	55.6037
50.0	76.10000	69.2238
75.0	81.40000	82.8439
90.0	81.80000	95.1025
95.0	81.80000	102.4387
99.0	86.00000	116.2003

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

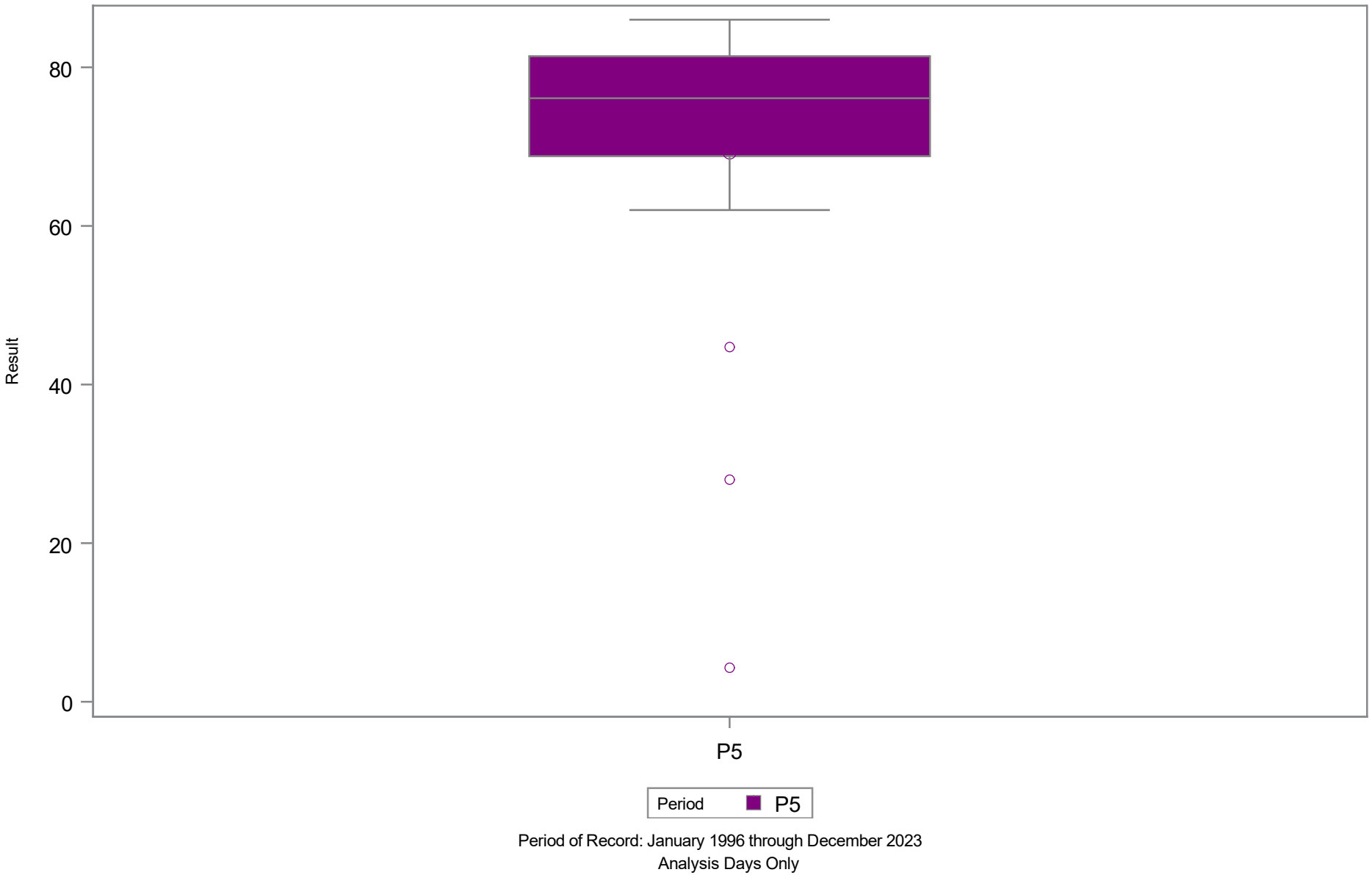
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	4.30	68.80	69.22	76.10	81.40	86.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

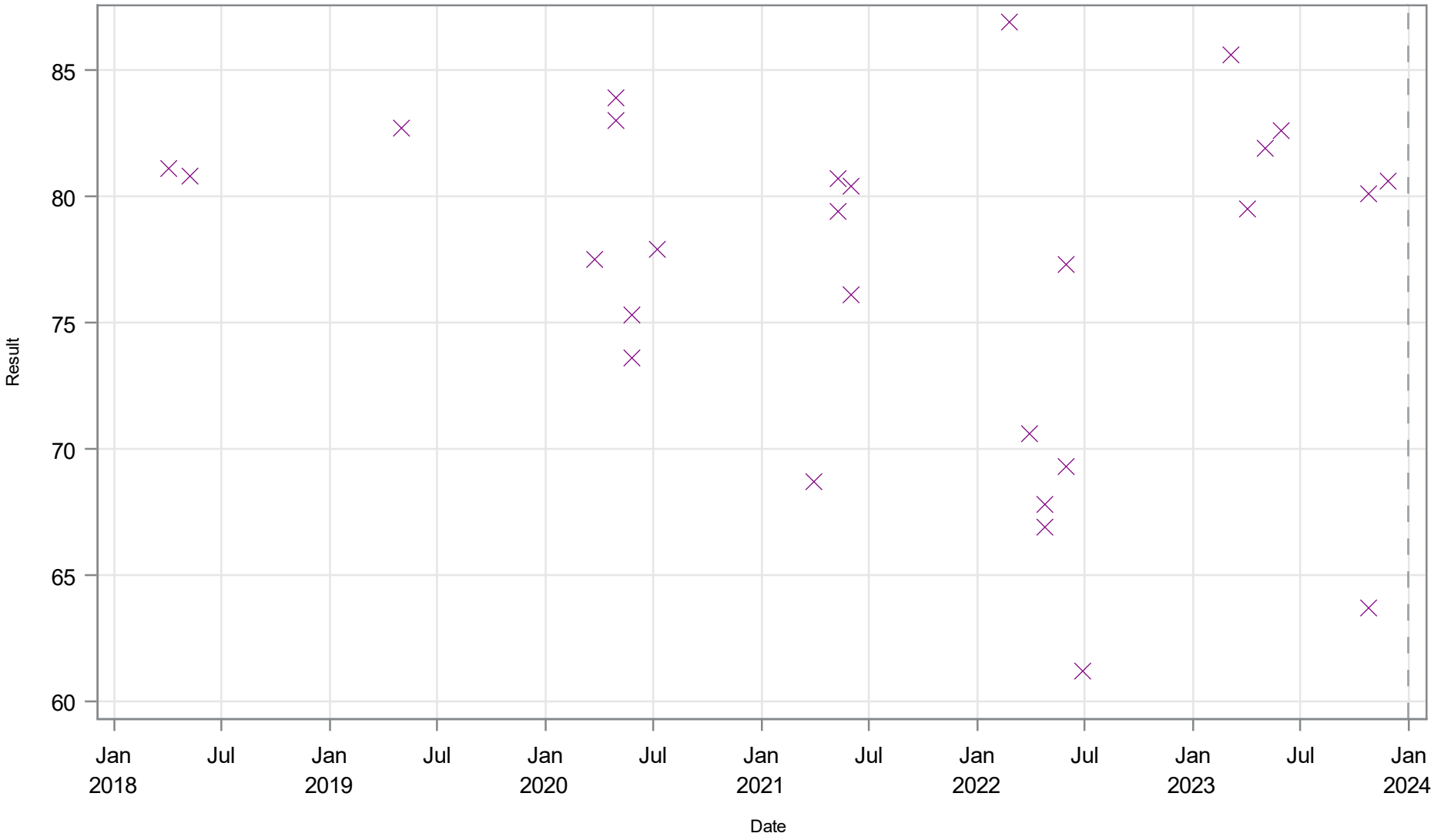
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03
SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

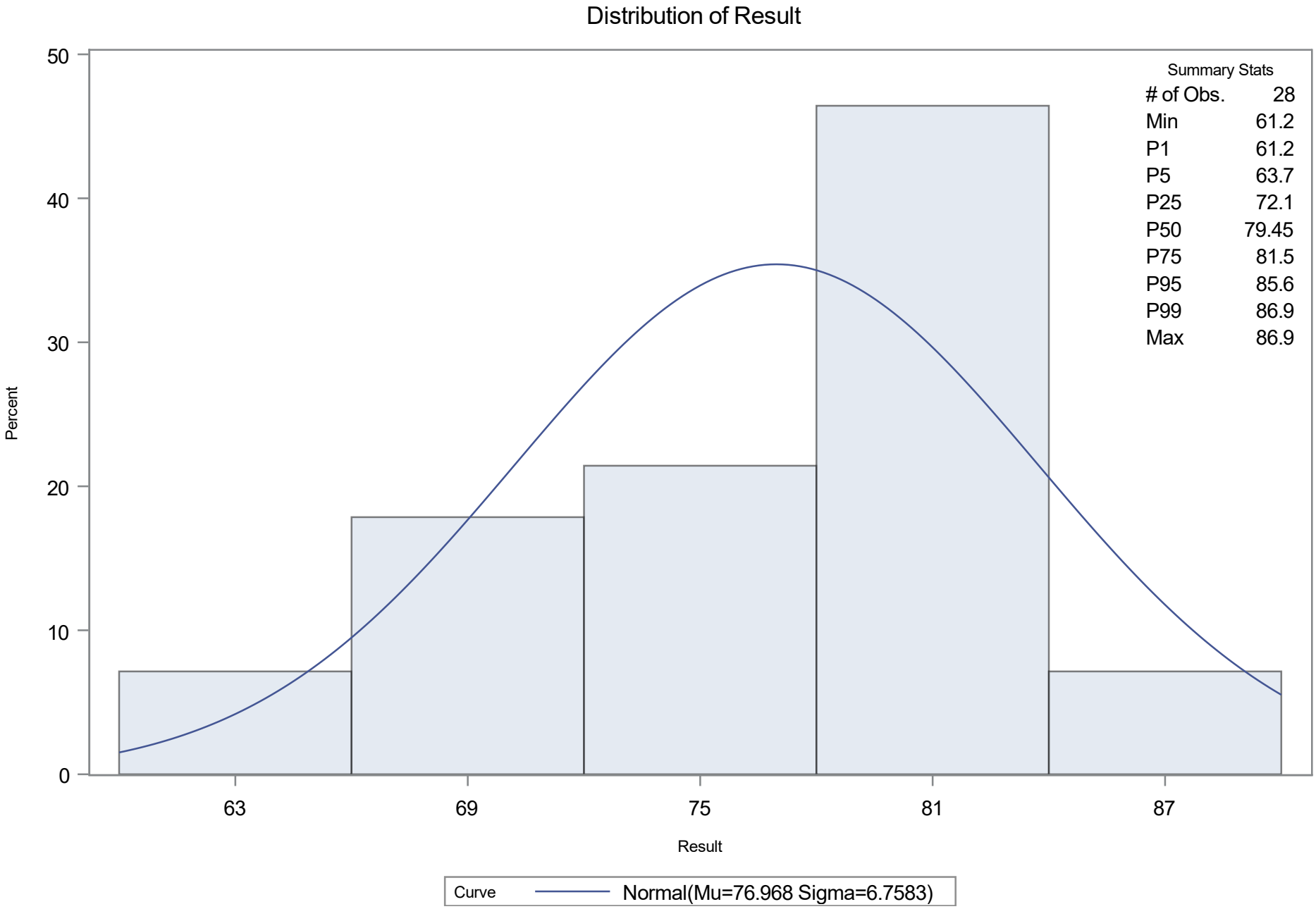
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	76.96786
Std Dev	Sigma	6.758317

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17624361	**Pr > D**	0.024
Cramer-von Mises	**W-Sq**	0.17849135	**Pr > W-Sq**	0.009
Anderson-Darling	**A-Sq**	0.95183074	**Pr > A-Sq**	0.015

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	61.2000	61.2457
5.0	63.7000	65.8514
10.0	66.9000	68.3067
25.0	72.1000	72.4094
50.0	79.4500	76.9679
75.0	81.5000	81.5263
90.0	83.9000	85.6290
95.0	85.6000	88.0843
99.0	86.9000	92.6901

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	28	61.20	72.10	76.97	79.45	81.50	86.90

Period of Record: January 1996 through December 2023
Analysis Days Only

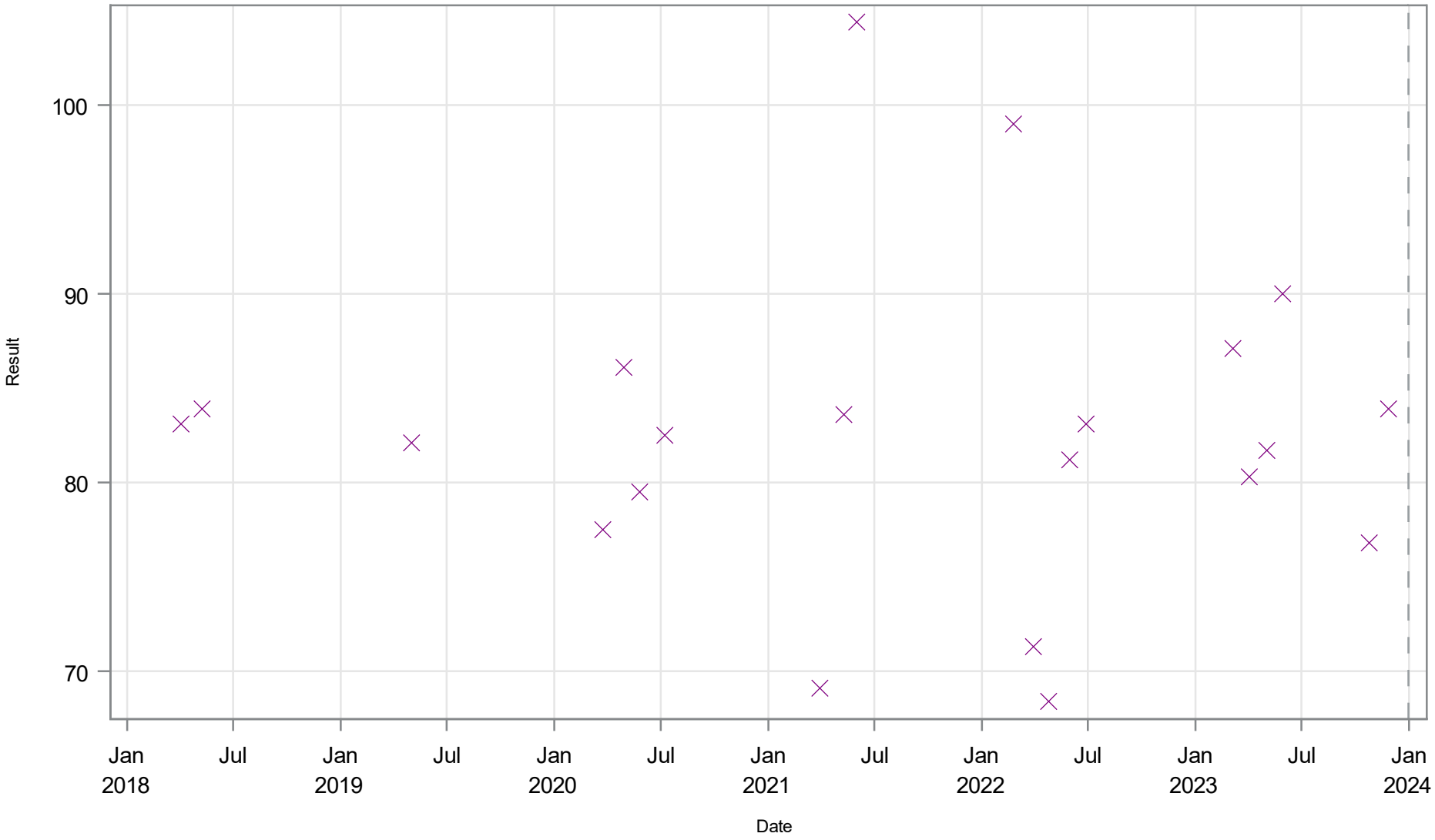
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

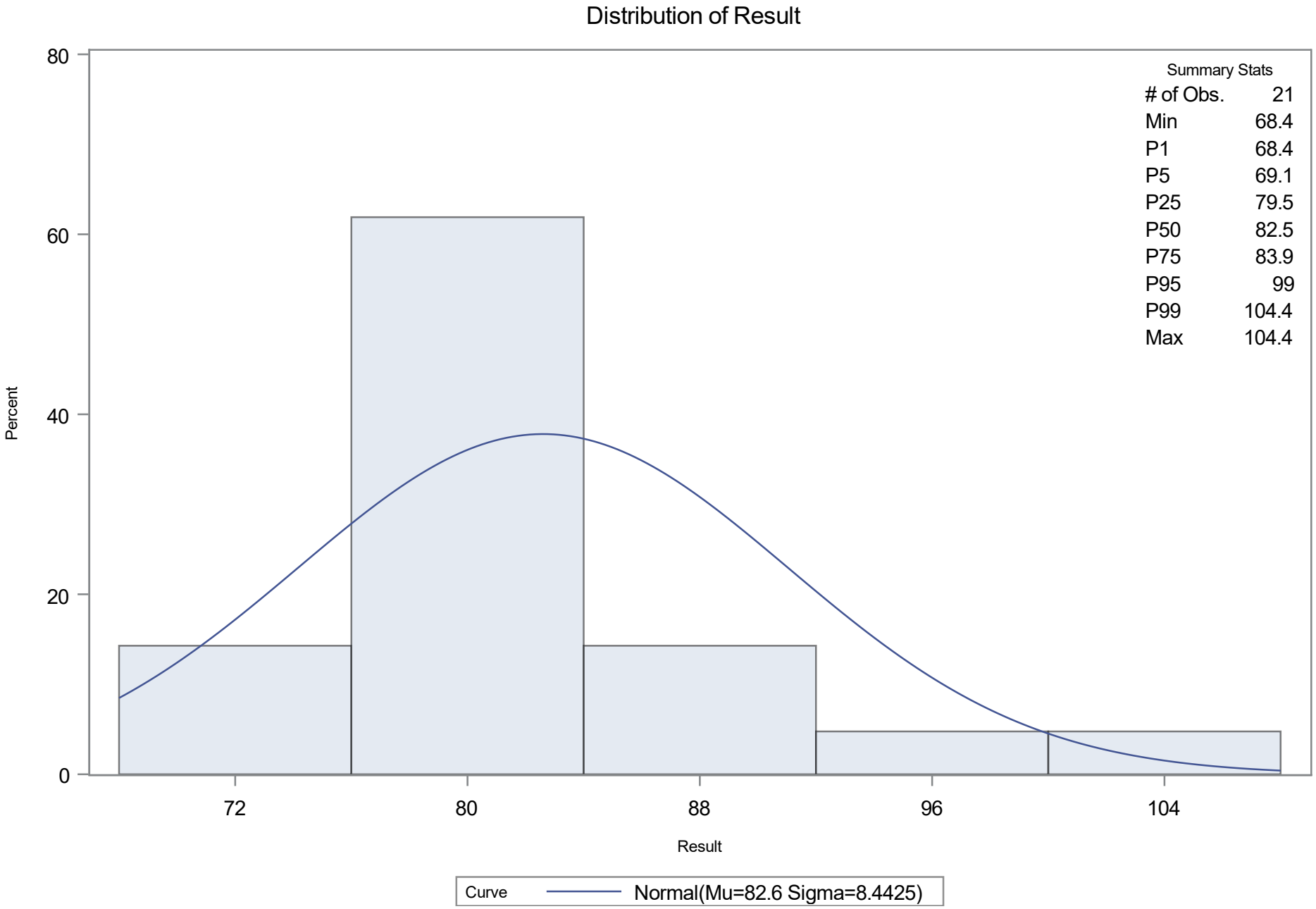
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	82.6
Std Dev	Sigma	8.442452

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20071606	**Pr > D**	0.025
Cramer-von Mises	**W-Sq**	0.14350451	**Pr > W-Sq**	0.026
Anderson-Darling	**A-Sq**	0.79626673	**Pr > A-Sq**	0.034

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	68.4000	62.9599
5.0	69.1000	68.7134
10.0	71.3000	71.7806
25.0	79.5000	76.9057
50.0	82.5000	82.6000
75.0	83.9000	88.2943
90.0	90.0000	93.4194
95.0	99.0000	96.4866
99.0	104.4000	102.2401

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

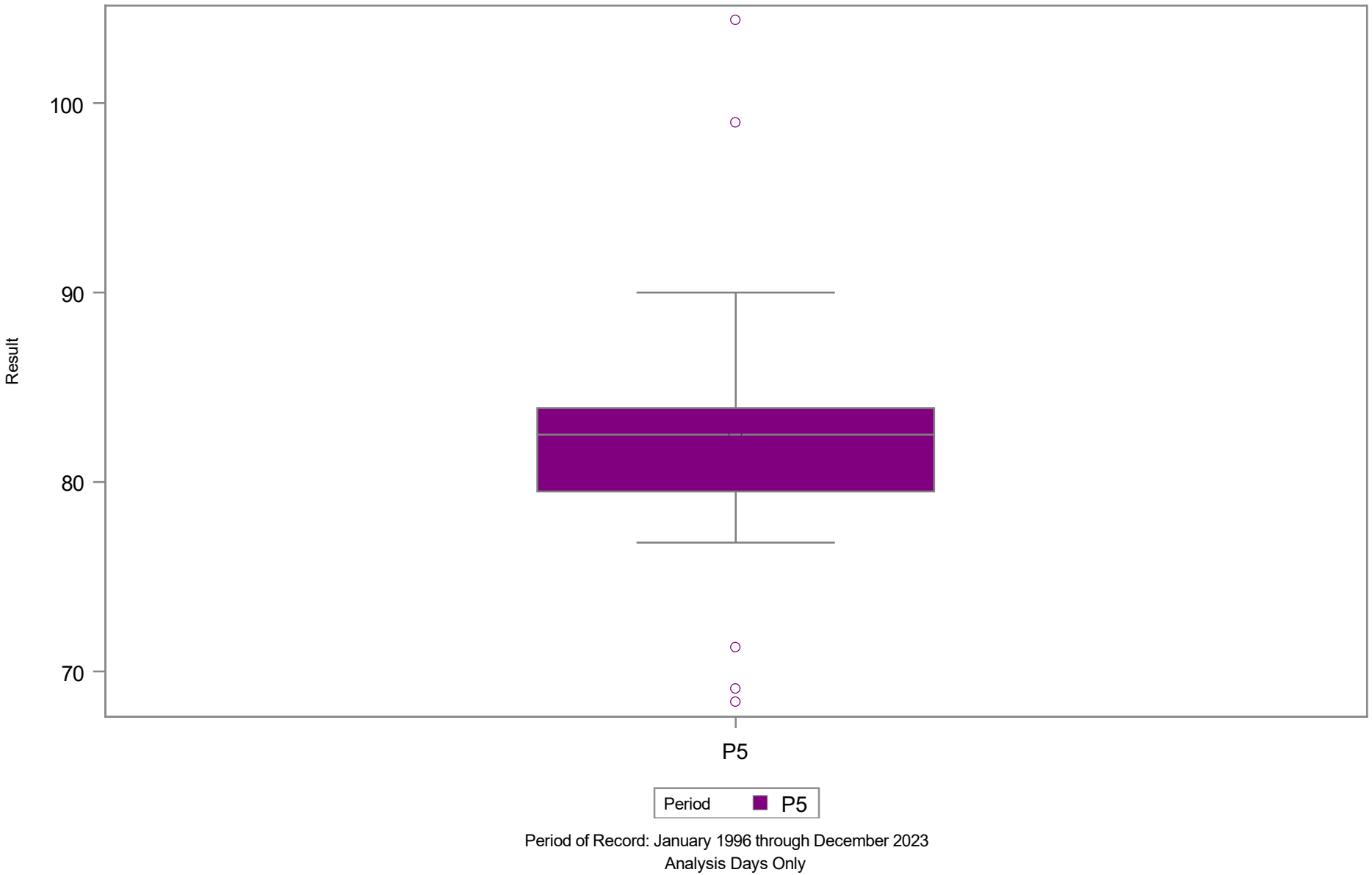
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	68.40	79.50	82.60	82.50	83.90	104.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

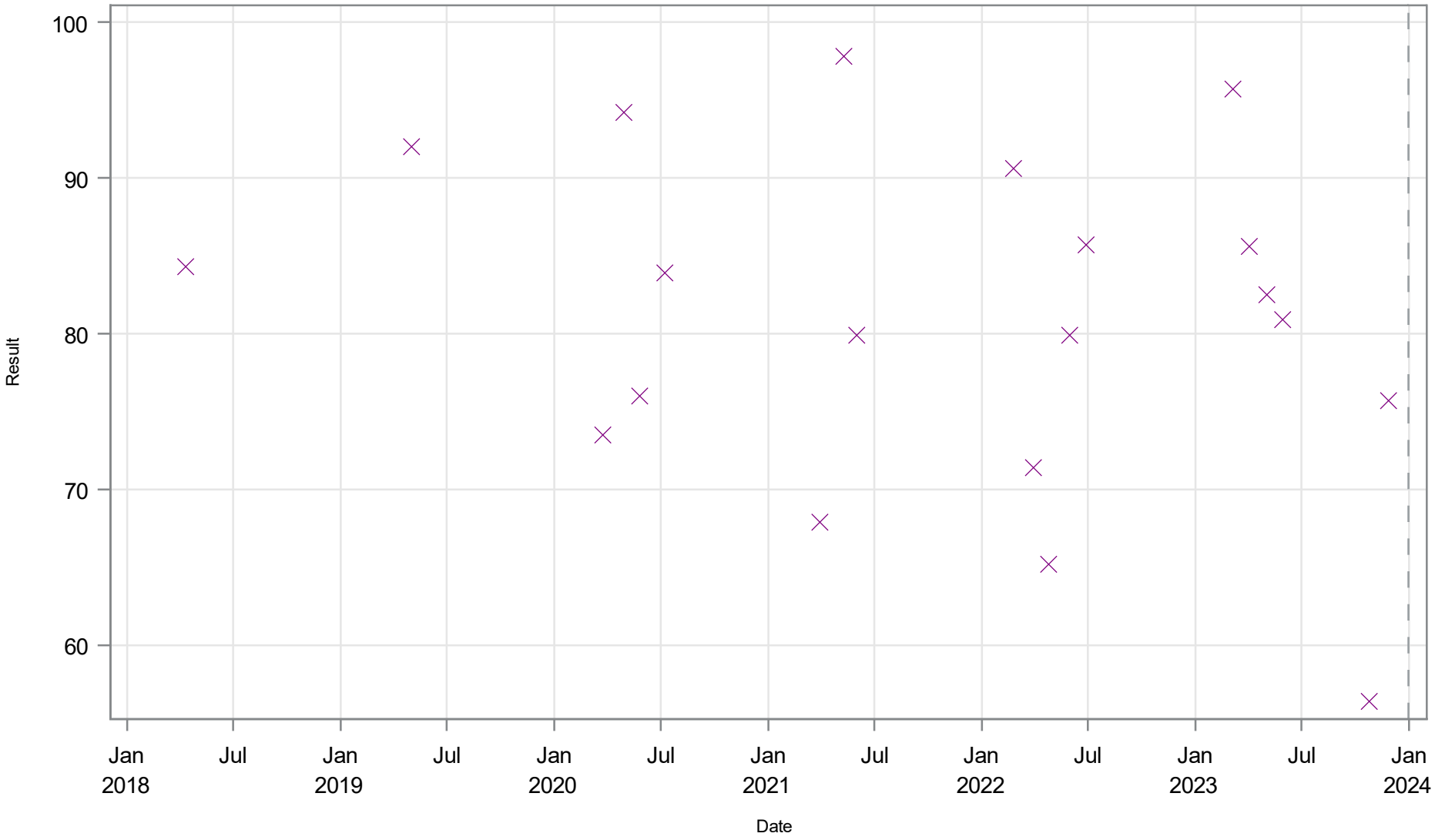
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

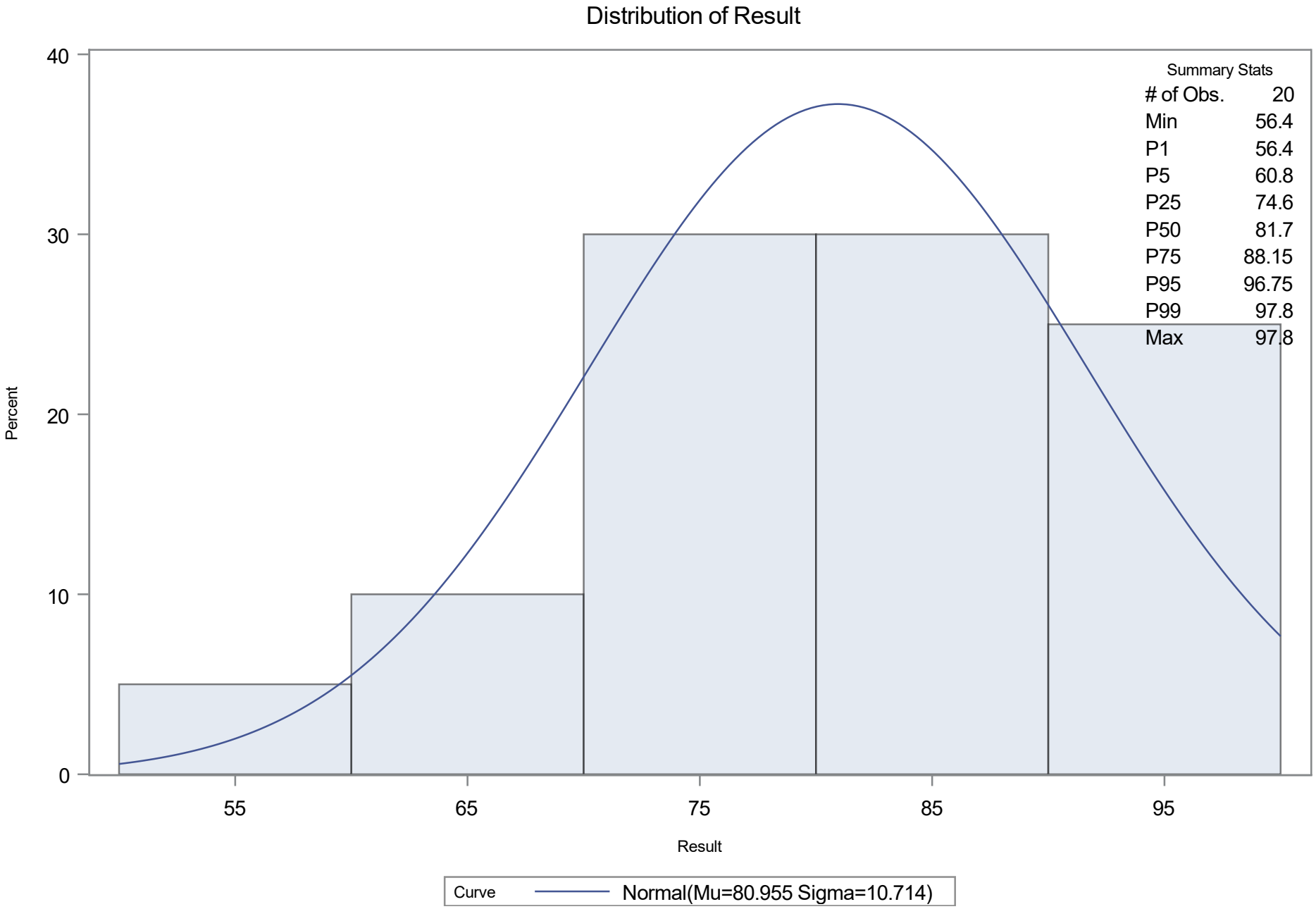
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	80.955
Std Dev	Sigma	10.71357

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11077824	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02438039	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.17252075	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	56.4000	56.0315
5.0	60.8000	63.3328
10.0	66.5500	67.2250
25.0	74.6000	73.7288
50.0	81.7000	80.9550
75.0	88.1500	88.1812
90.0	94.9500	94.6850
95.0	96.7500	98.5772
99.0	97.8000	105.8785

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	20	56.40	74.60	80.96	81.70	88.15	97.80

Period of Record: January 1996 through December 2023
Analysis Days Only

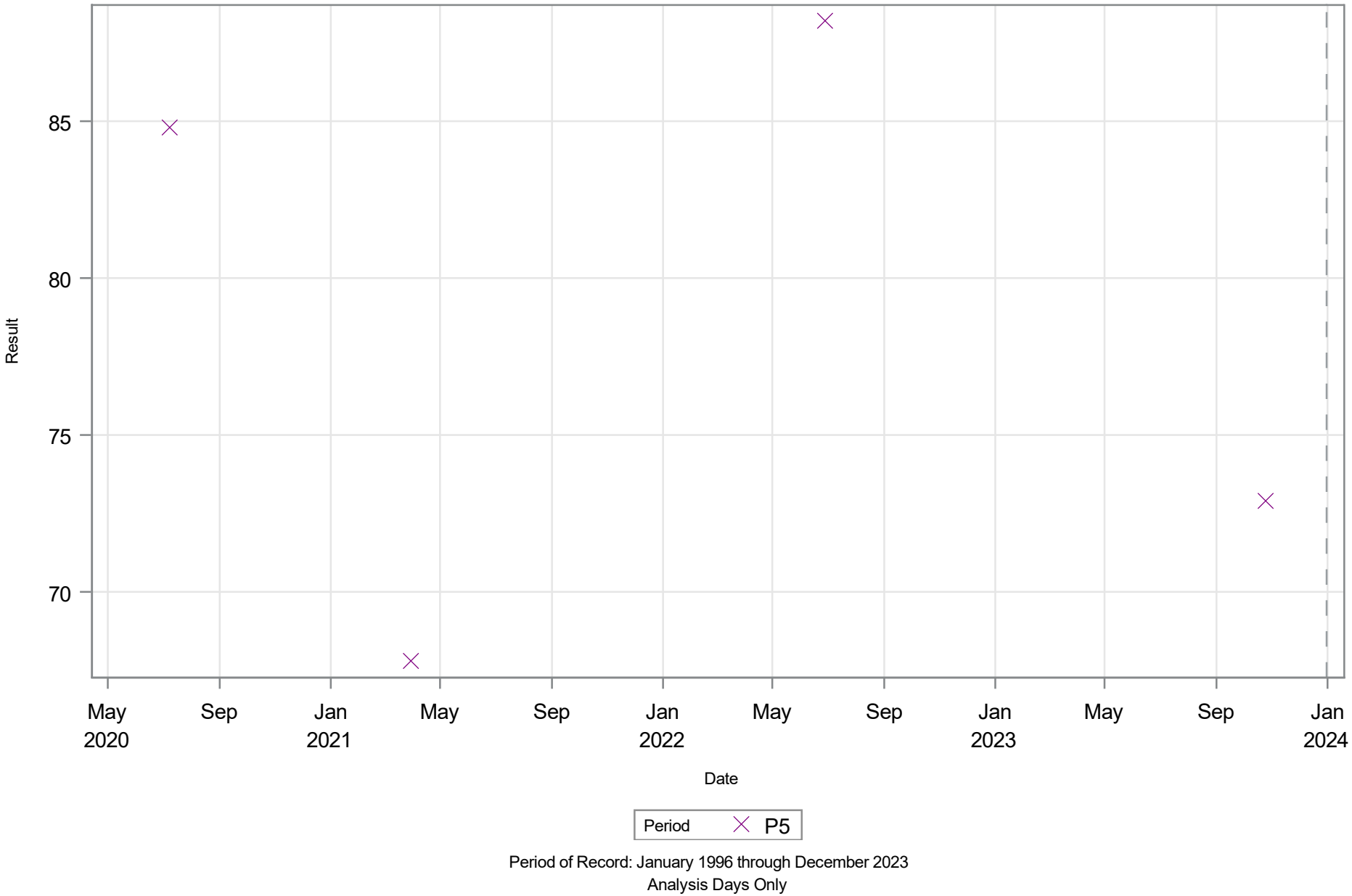
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04
SN 800045

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

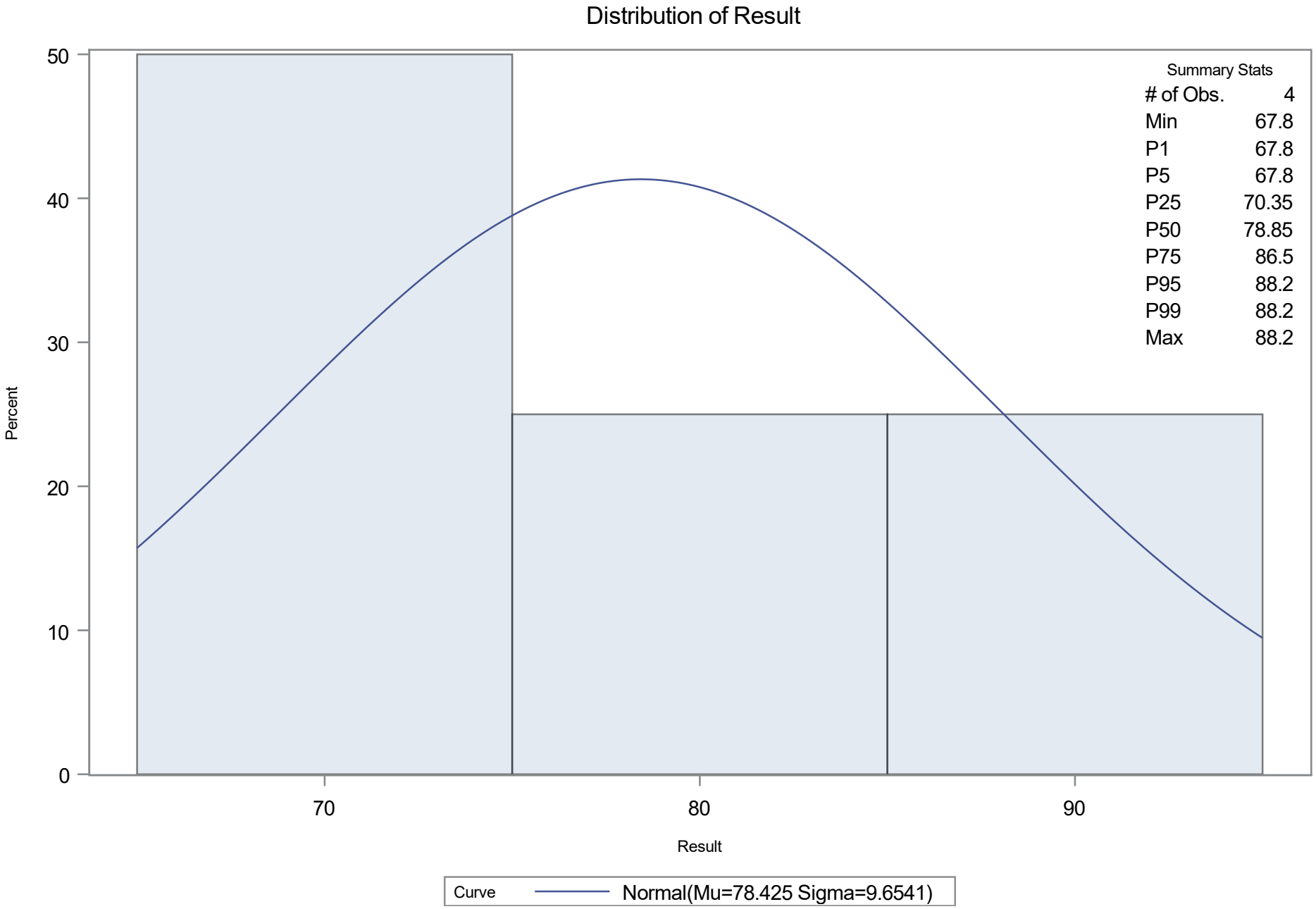
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	78.425
Std Dev	Sigma	9.654144

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24548158	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04476039	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27113971	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	67.8000	55.9661
5.0	67.8000	62.5453
10.0	67.8000	66.0527
25.0	70.3500	71.9134
50.0	78.8500	78.4250
75.0	86.5000	84.9366
90.0	88.2000	90.7973
95.0	88.2000	94.3047
99.0	88.2000	100.8839

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

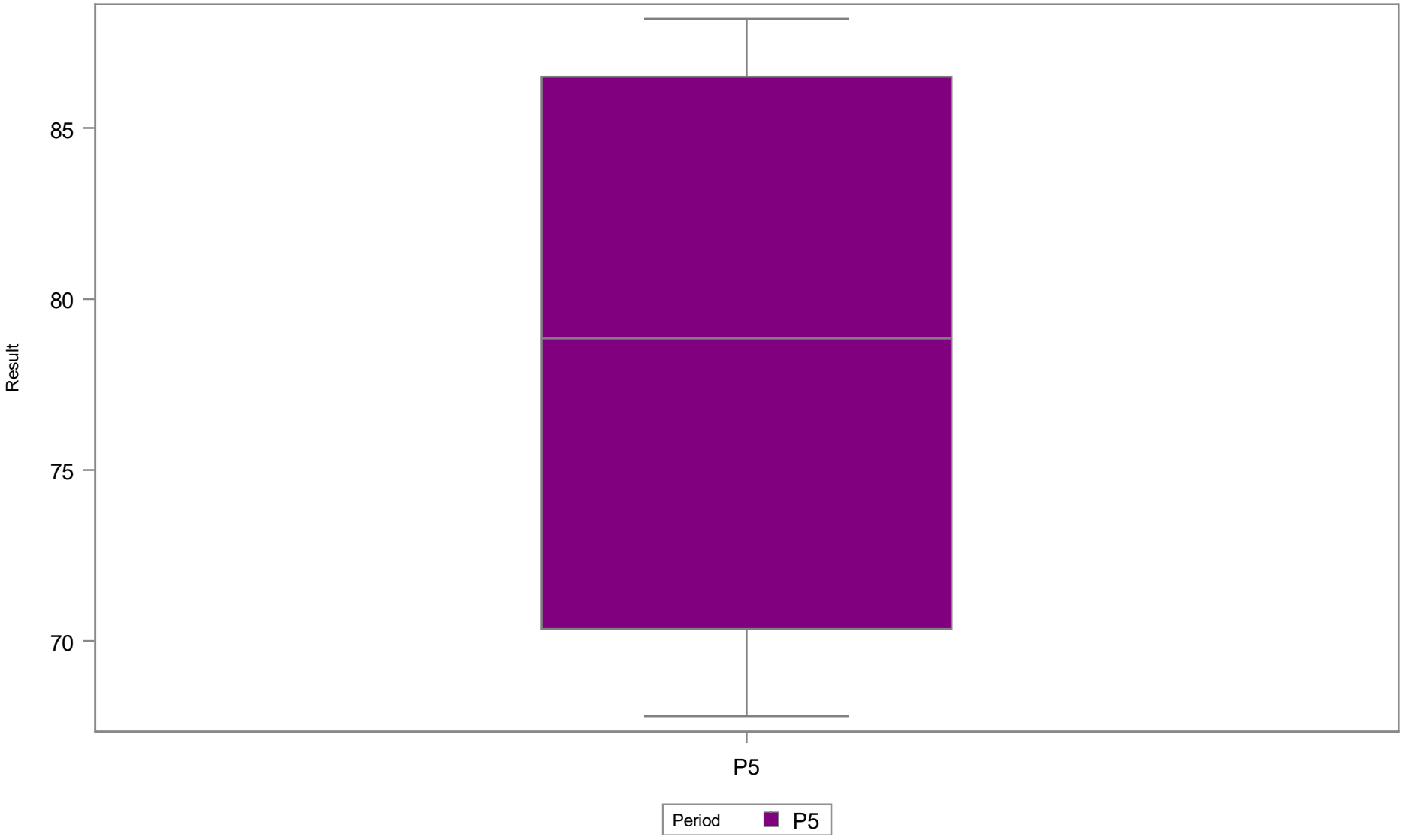
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	67.80	70.35	78.43	78.85	86.50	88.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

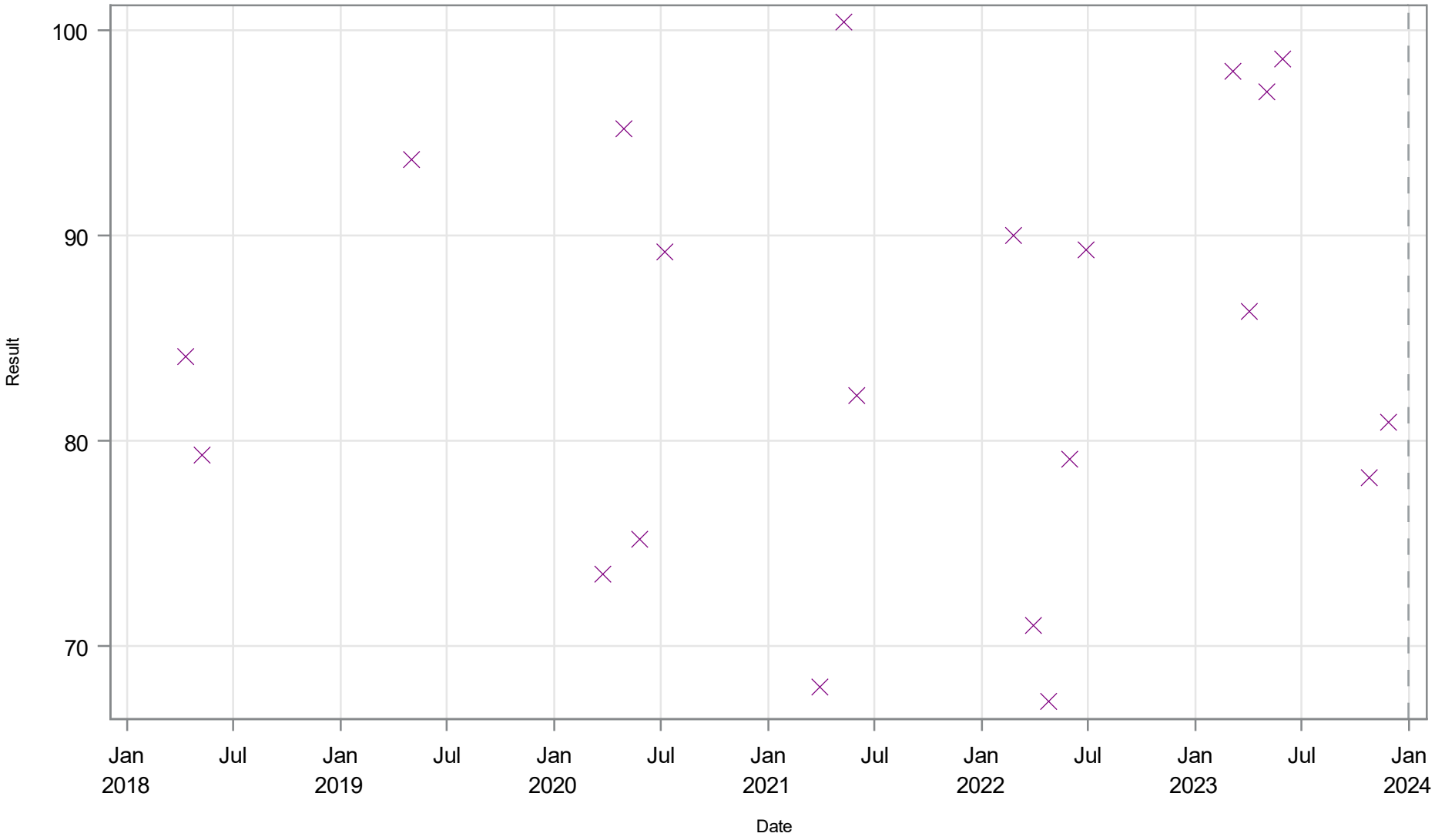
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

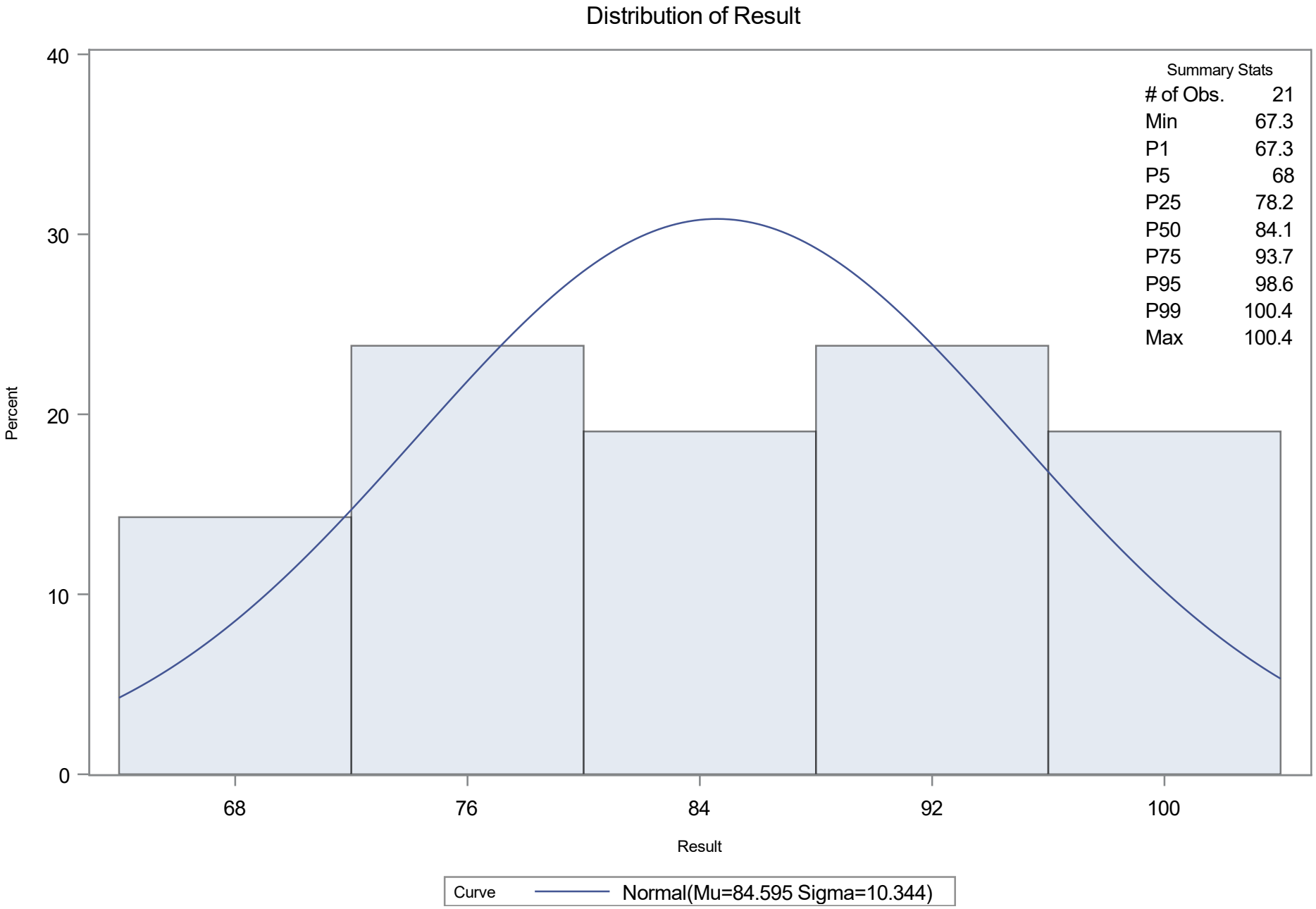
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	84.59524
Std Dev	Sigma	10.34362

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10047621	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03565781	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26824054	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	67.3000	60.5324
5.0	68.0000	67.5815
10.0	71.0000	71.3394
25.0	78.2000	77.6186
50.0	84.1000	84.5952
75.0	93.7000	91.5719
90.0	98.0000	97.8511
95.0	98.6000	101.6090
99.0	100.4000	108.6581

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

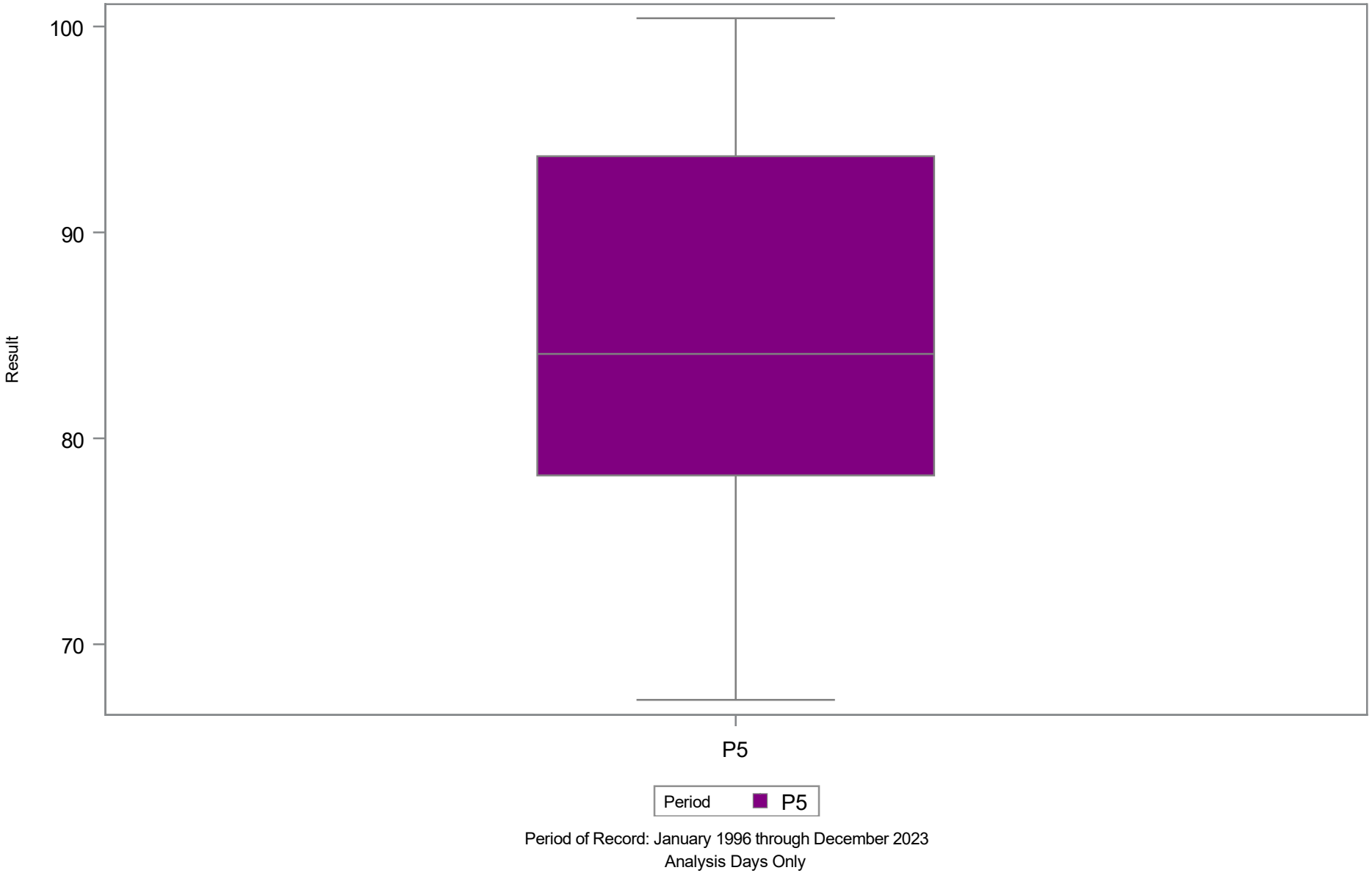
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	67.30	78.20	84.60	84.10	93.70	100.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

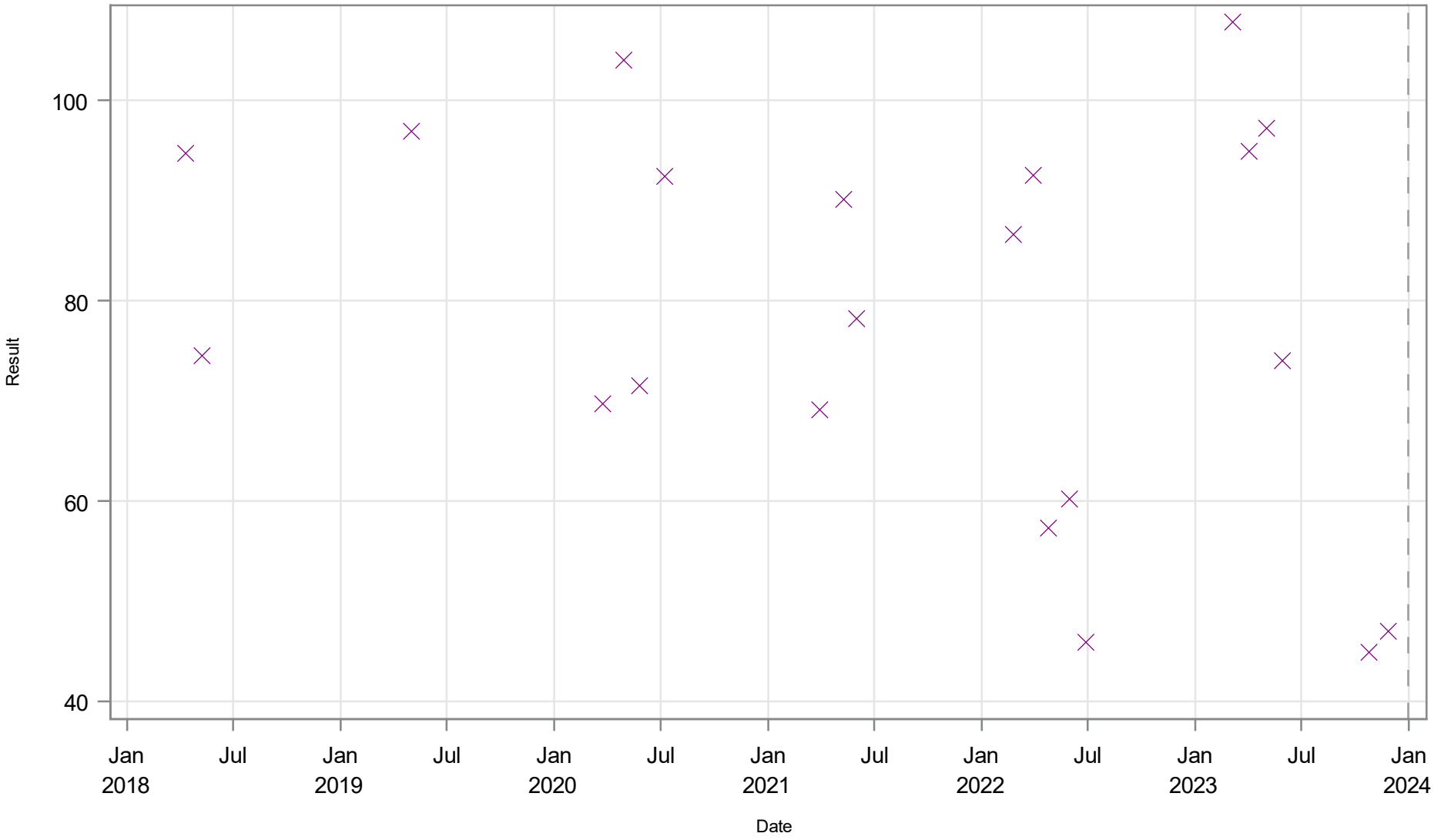
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

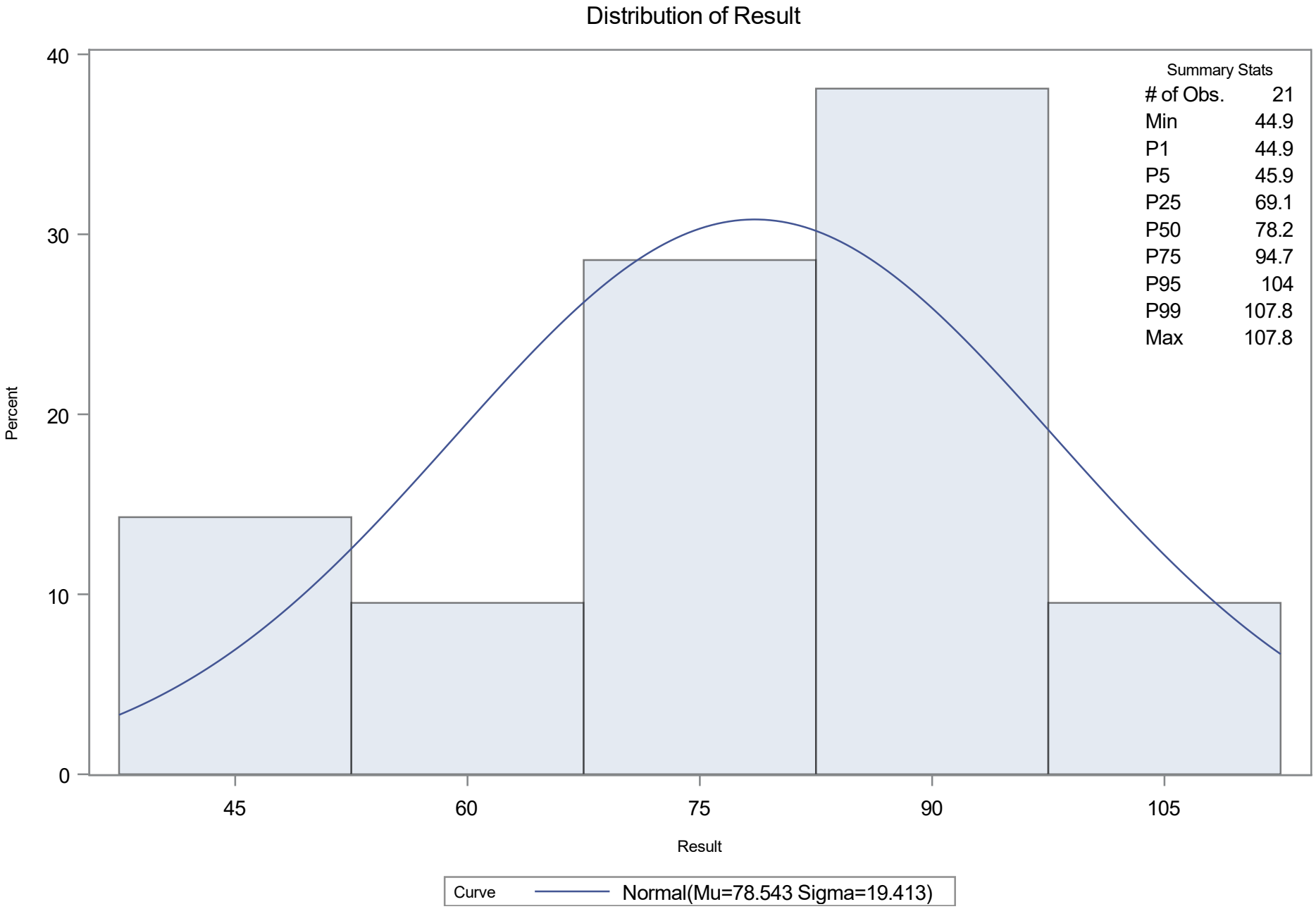
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	78.54286
Std Dev	Sigma	19.41285

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15276159	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07381447	**Pr > W-Sq**	0.241
Anderson-Darling	**A-Sq**	0.48637503	**Pr > A-Sq**	0.210

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	44.9000	33.3818
5.0	45.9000	46.6116
10.0	47.0000	53.6643
25.0	69.1000	65.4491
50.0	78.2000	78.5429
75.0	94.7000	91.6366
90.0	97.2000	103.4214
95.0	104.0000	110.4741
99.0	107.8000	123.7039

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

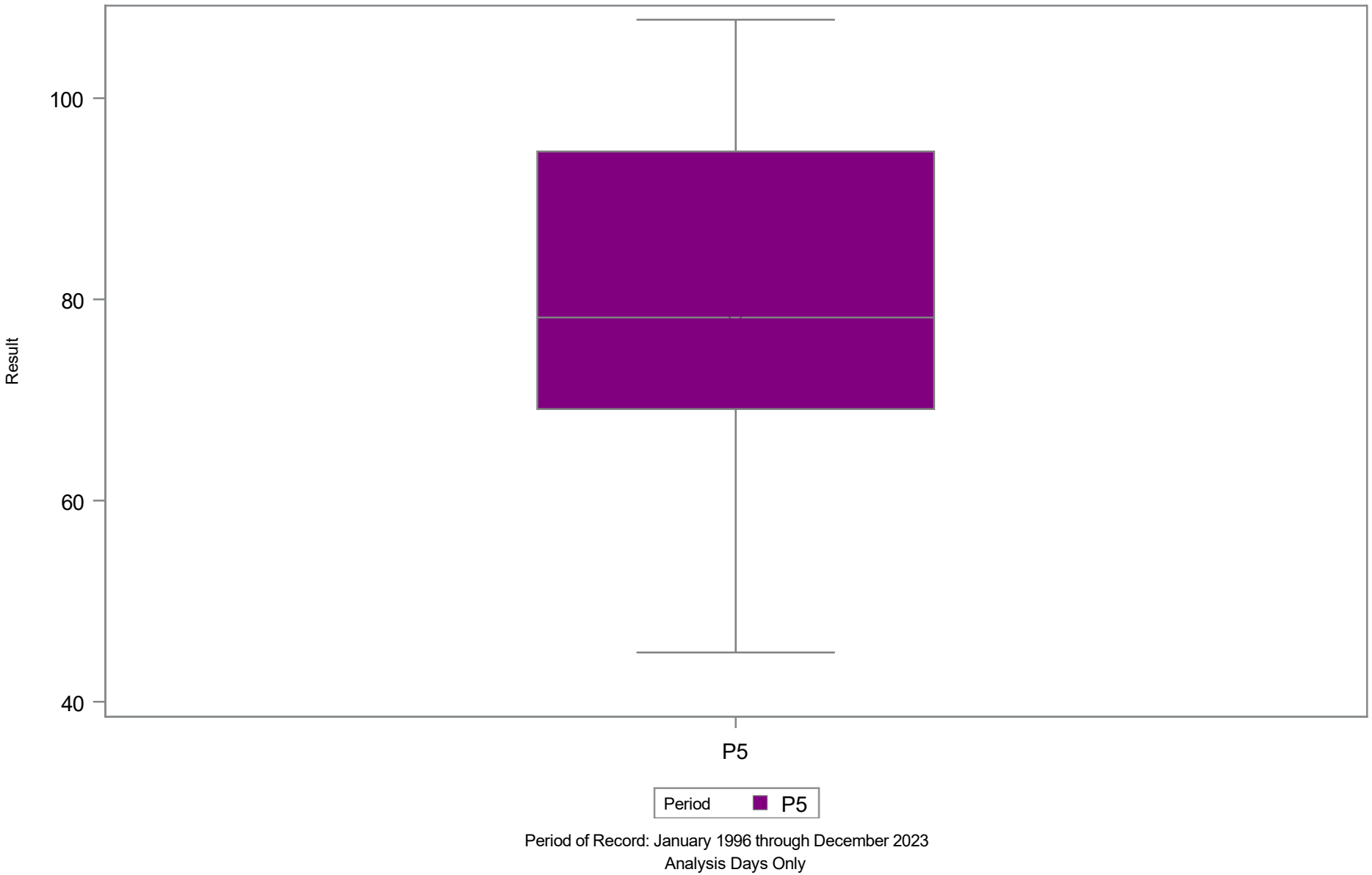
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	44.90	69.10	78.54	78.20	94.70	107.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

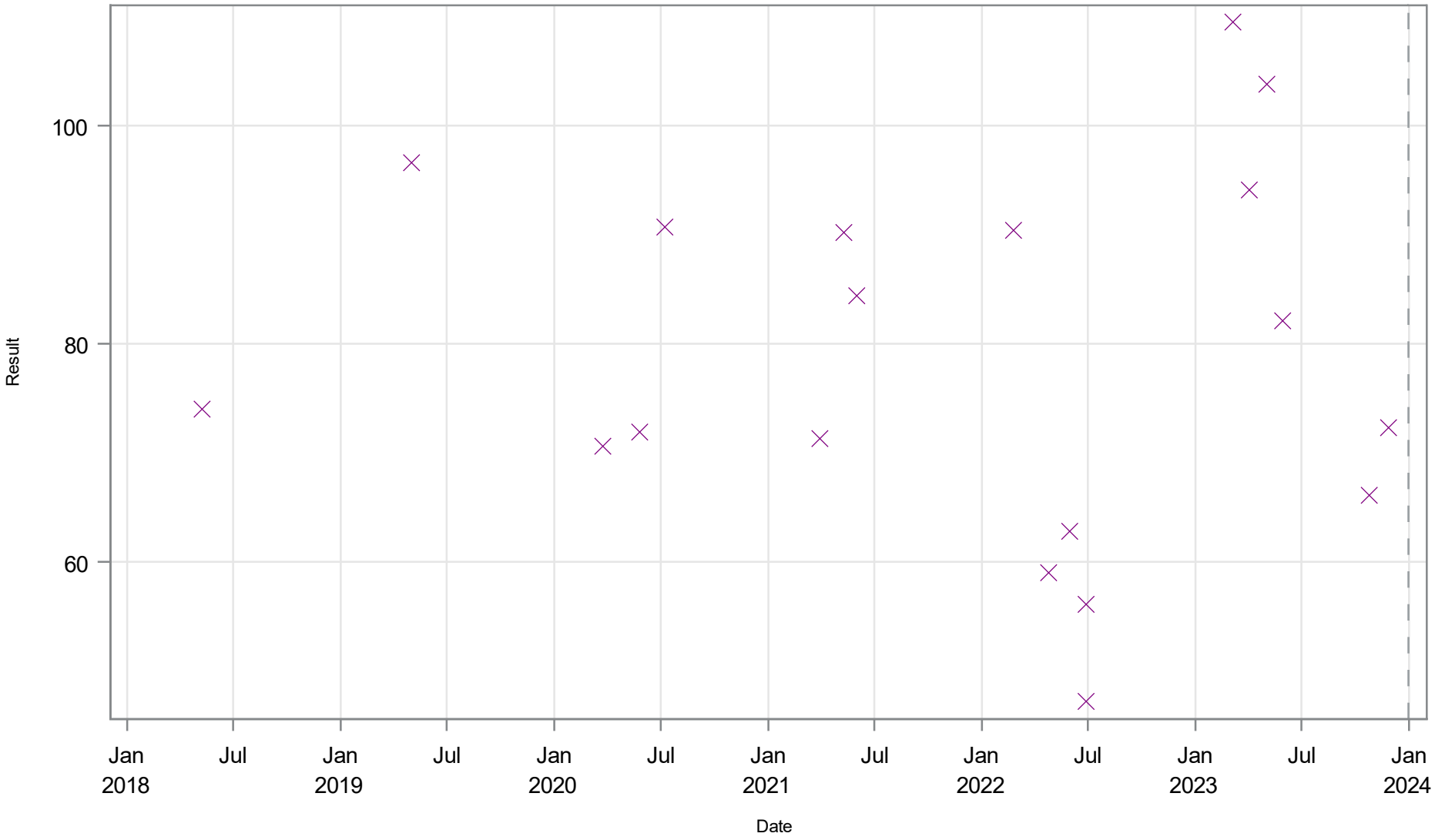
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05
SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

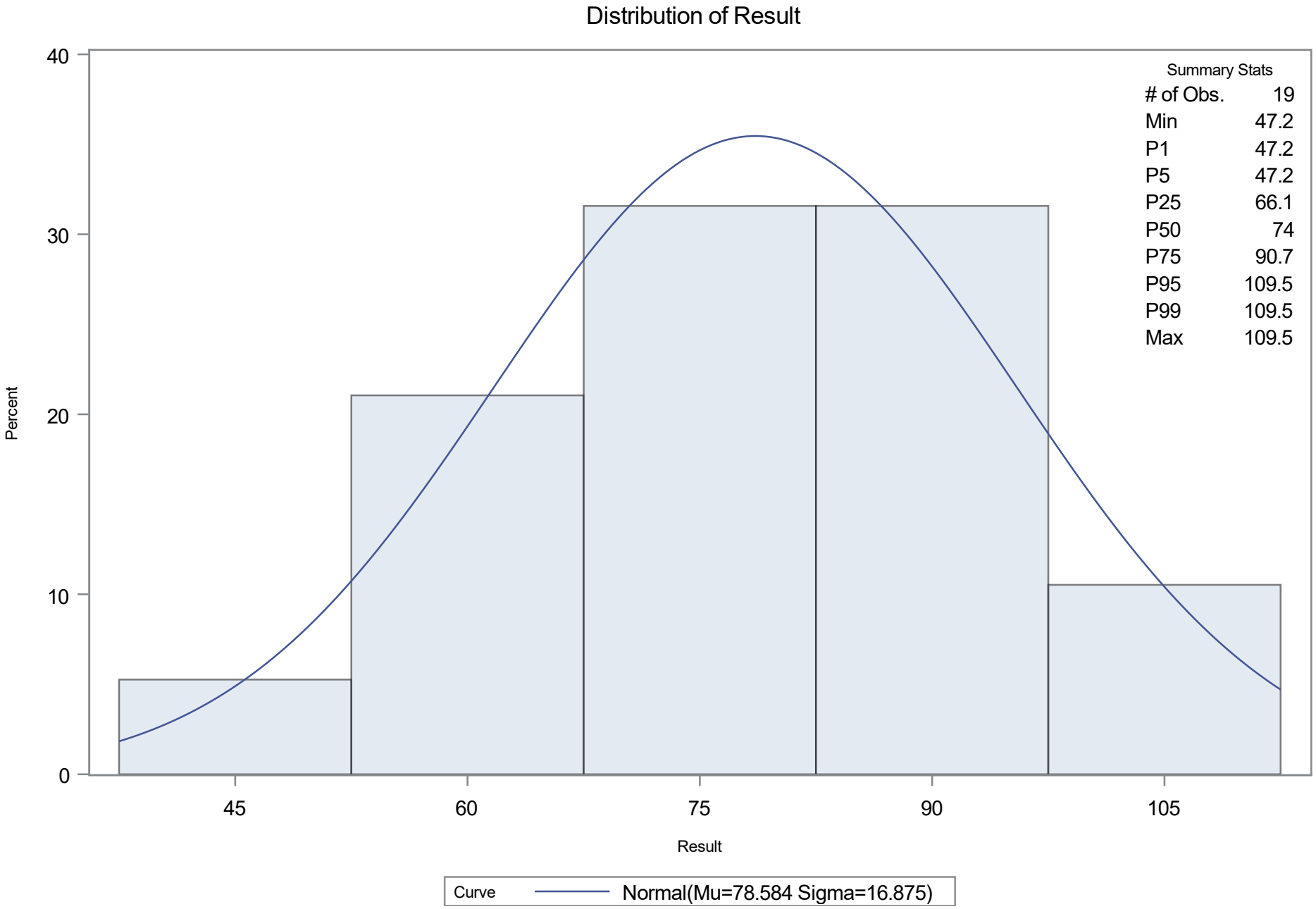
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	78.58421
Std Dev	Sigma	16.87451

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13337589	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04176487	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21882849	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	47.2000	39.3282
5.0	47.2000	50.8281
10.0	56.1000	56.9587
25.0	66.1000	67.2025
50.0	74.0000	78.5842
75.0	90.7000	89.9659
90.0	103.8000	100.2098
95.0	109.5000	106.3403
99.0	109.5000	117.8402

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	19	47.20	66.10	78.58	74.00	90.70	109.50

Period of Record: January 1996 through December 2023
Analysis Days Only

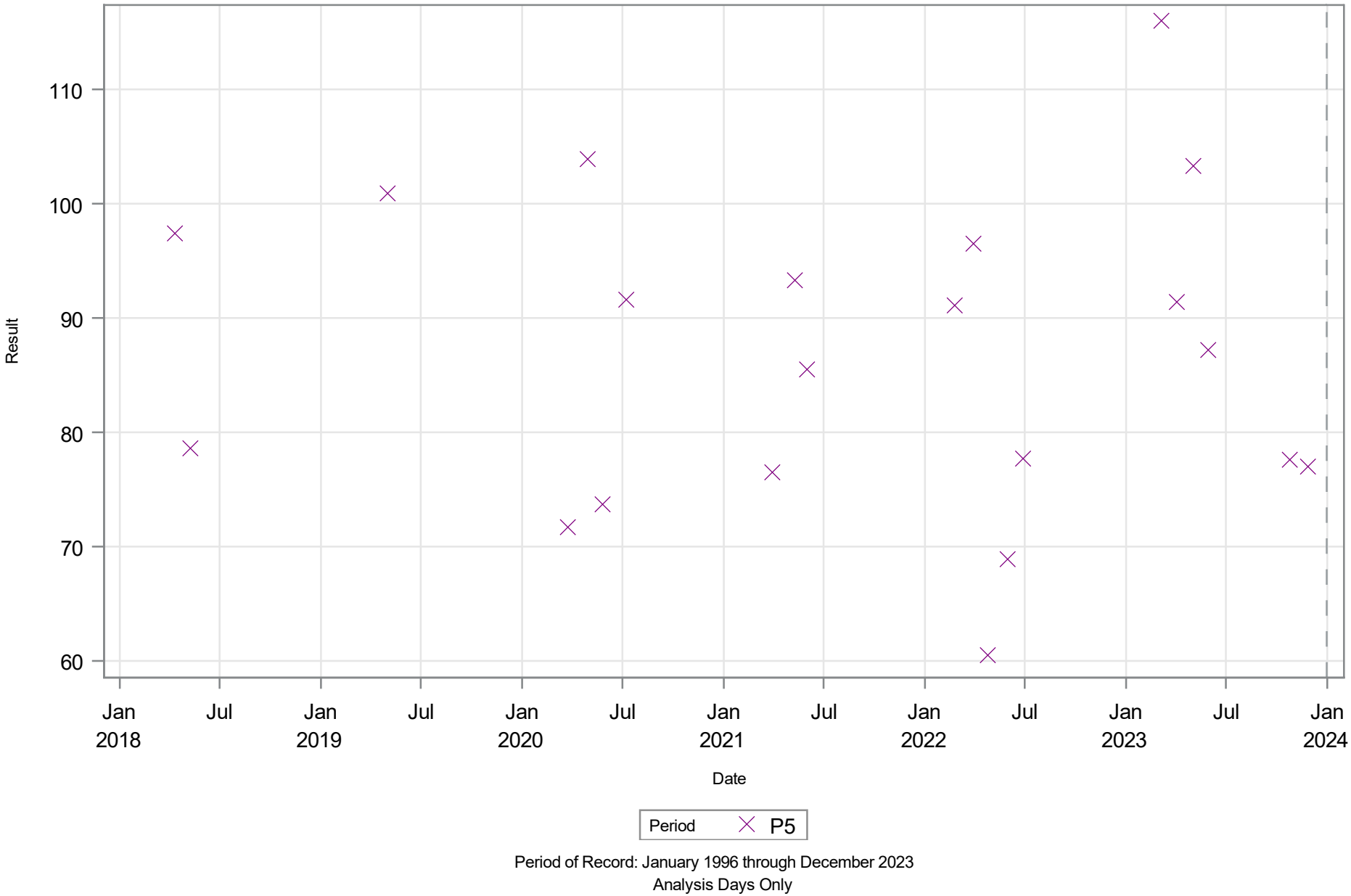
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

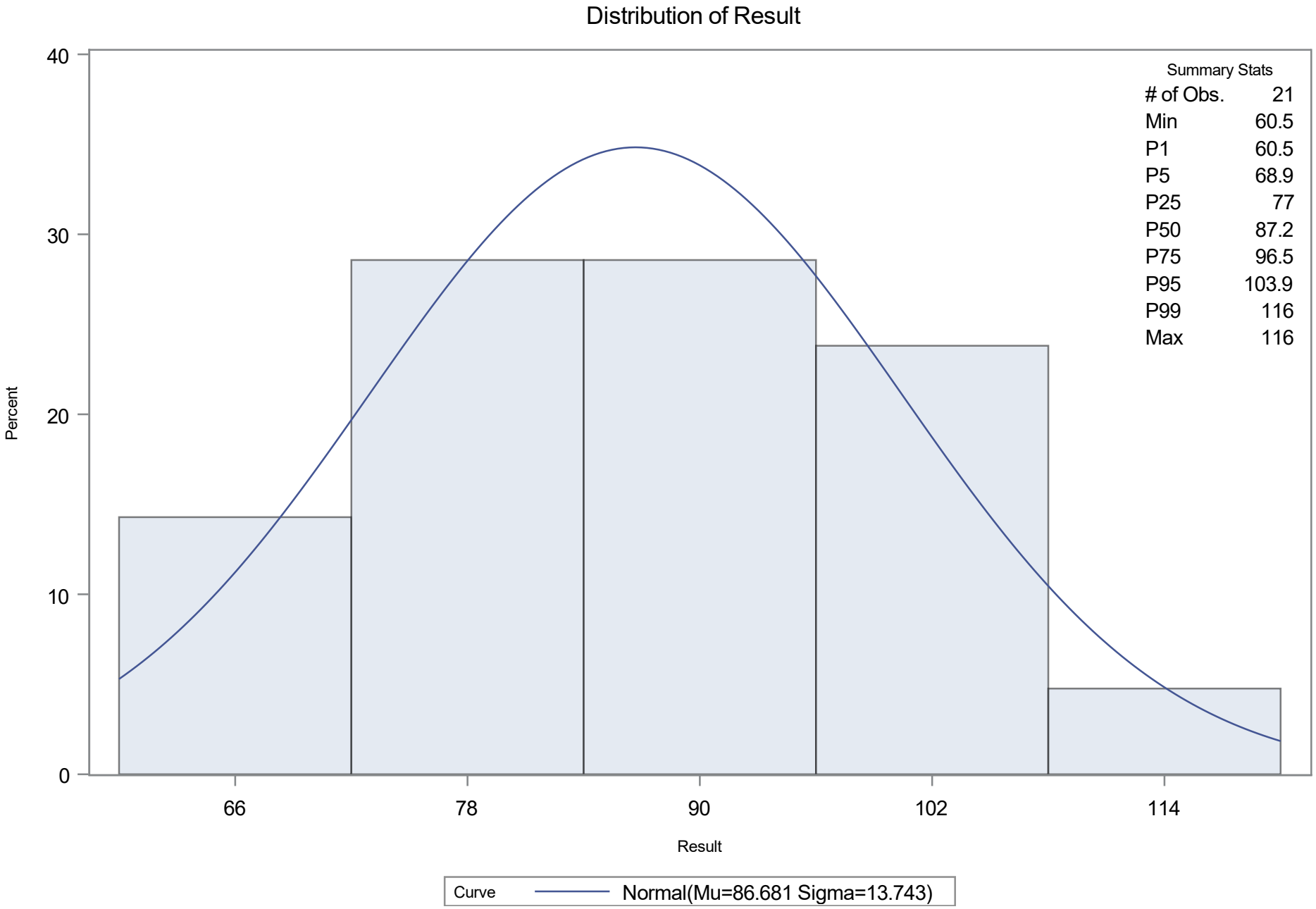
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	86.68095
Std Dev	Sigma	13.74335

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15030195	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04511161	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25341225	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	60.5000	54.7091
5.0	68.9000	64.0752
10.0	71.7000	69.0681
25.0	77.0000	77.4112
50.0	87.2000	86.6810
75.0	96.5000	95.9507
90.0	103.3000	104.2938
95.0	103.9000	109.2867
99.0	116.0000	118.6528

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

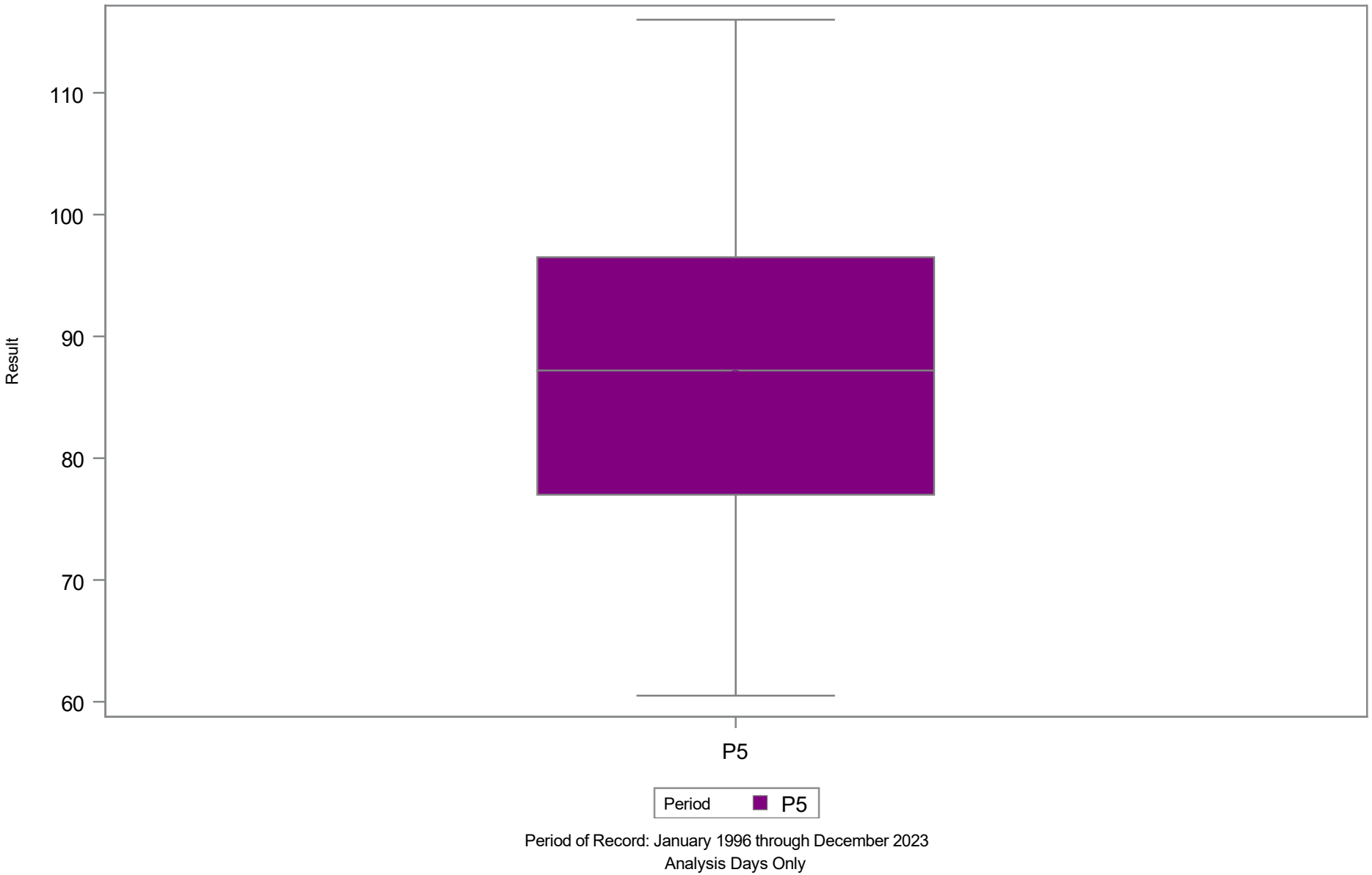
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	60.50	77.00	86.68	87.20	96.50	116.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

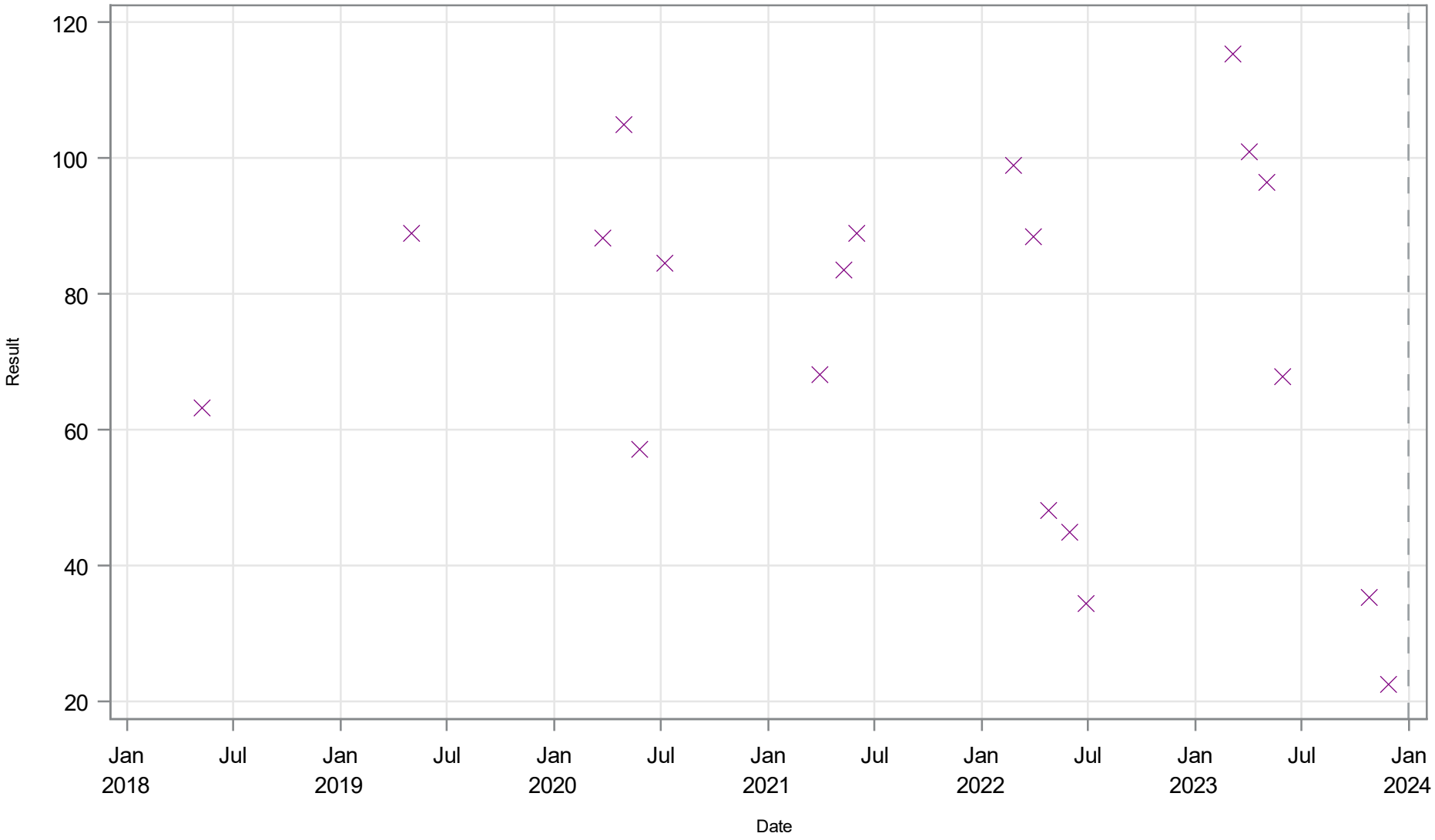
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR05
SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

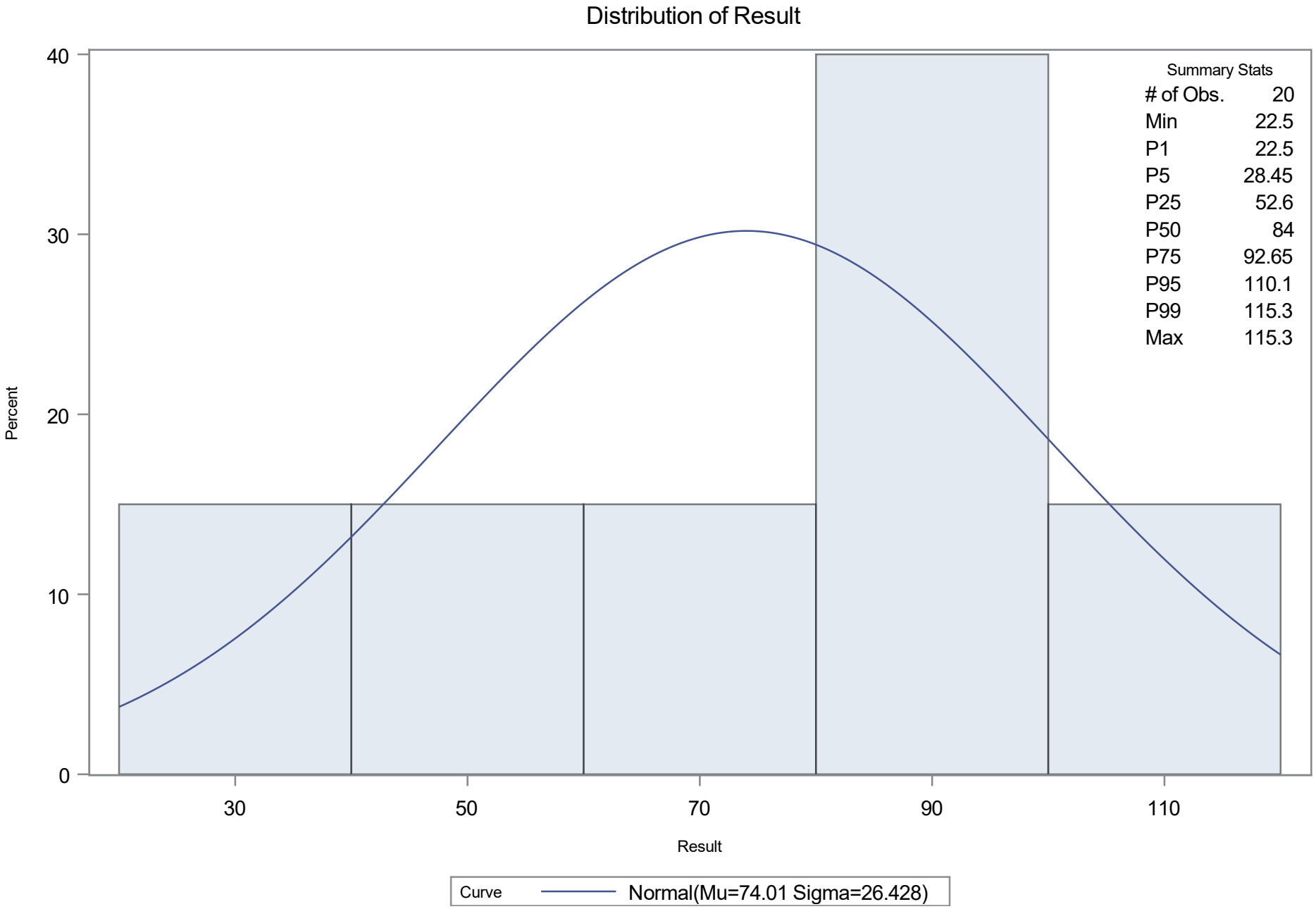
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	74.01
Std Dev	Sigma	26.42827

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19023430	**Pr > D**	0.057
Cramer-von Mises	**W-Sq**	0.08807513	**Pr > W-Sq**	0.154
Anderson-Darling	**A-Sq**	0.48419603	**Pr > A-Sq**	0.211

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.5000	12.5286
5.0	28.4500	30.5394
10.0	34.8500	40.1408
25.0	52.6000	56.1844
50.0	84.0000	74.0100
75.0	92.6500	91.8356
90.0	102.9000	107.8792
95.0	110.1000	117.4806
99.0	115.3000	135.4914

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

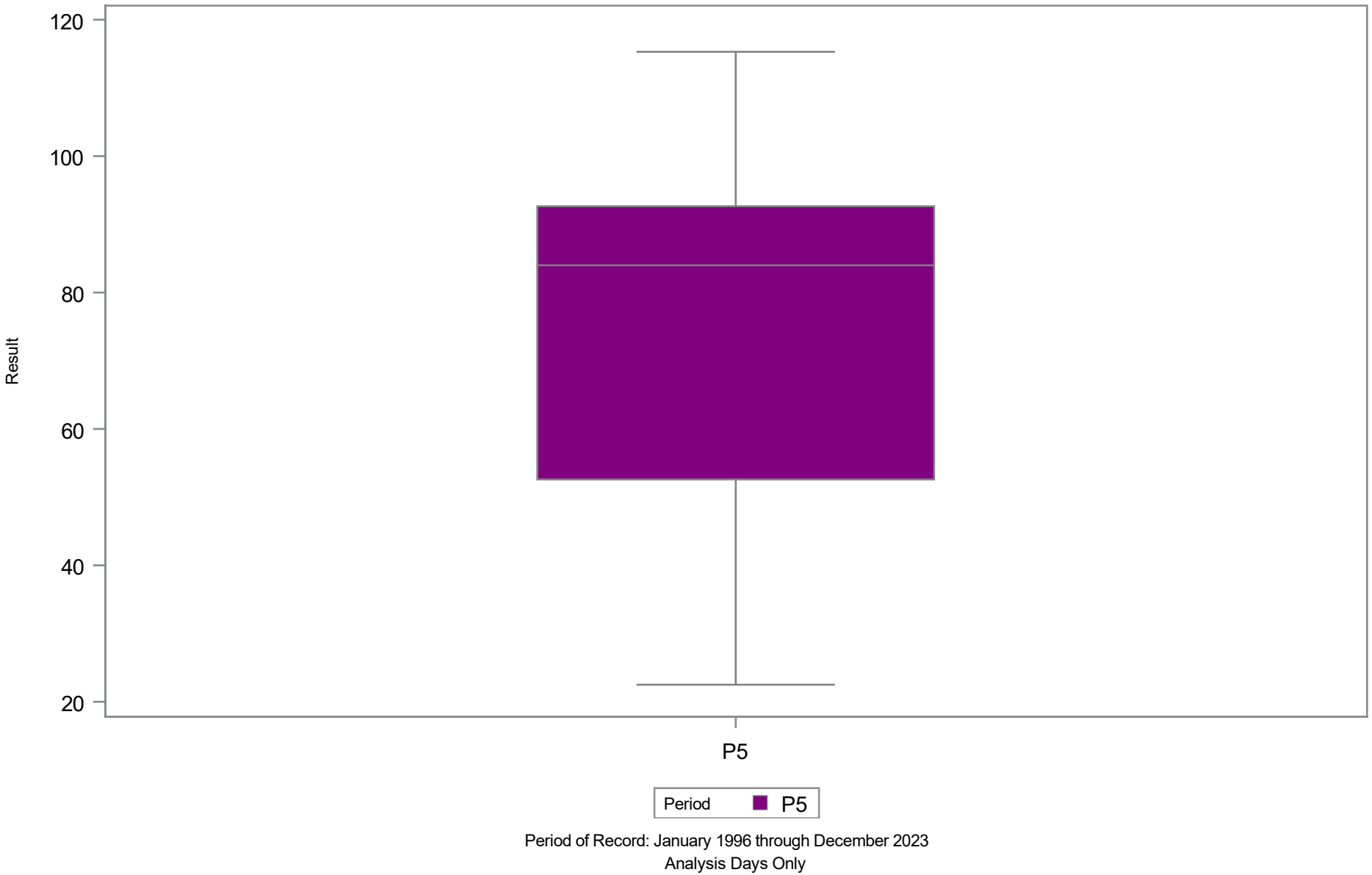
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	20	22.50	52.60	74.01	84.00	92.65	115.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

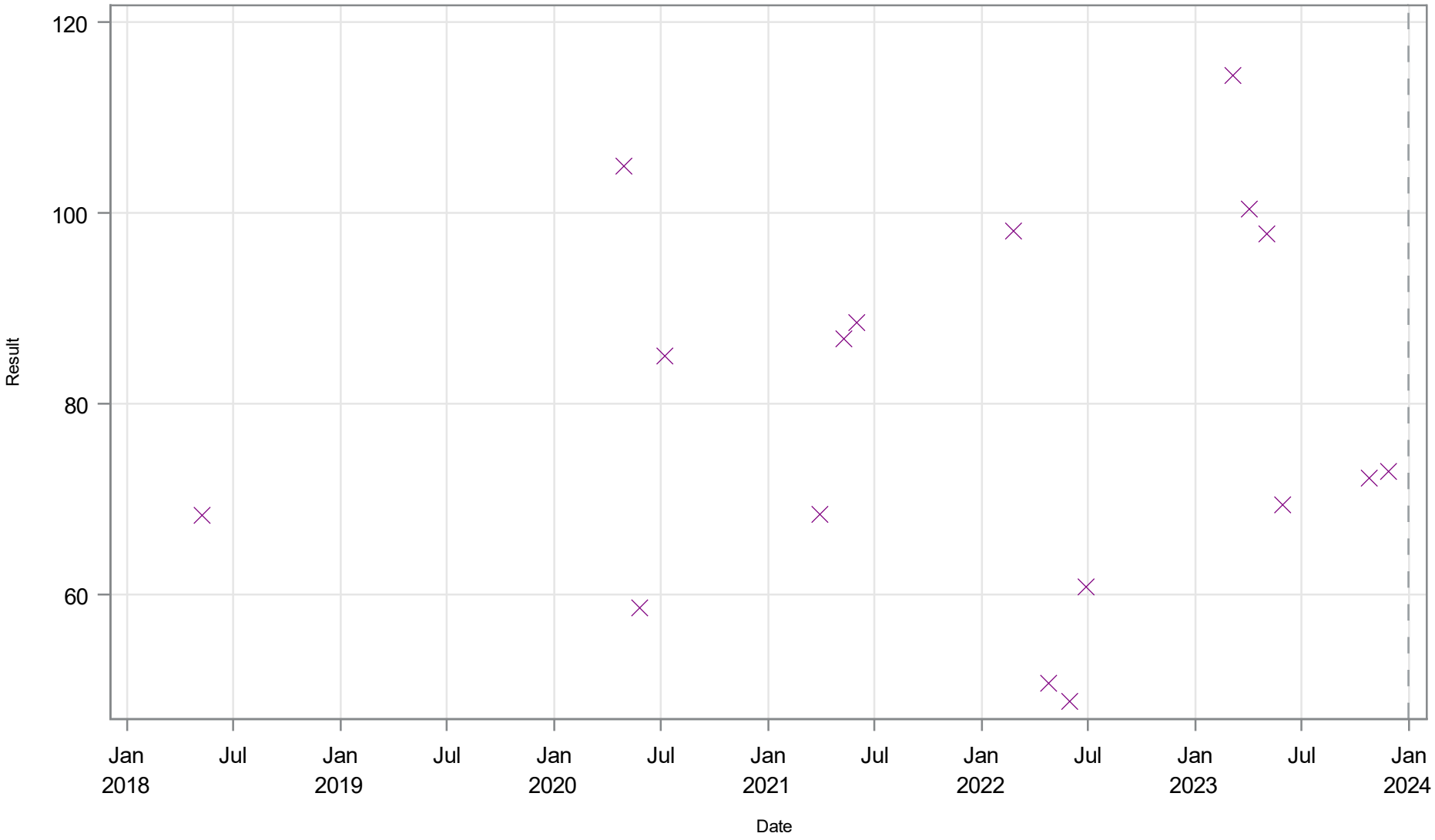
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06
SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

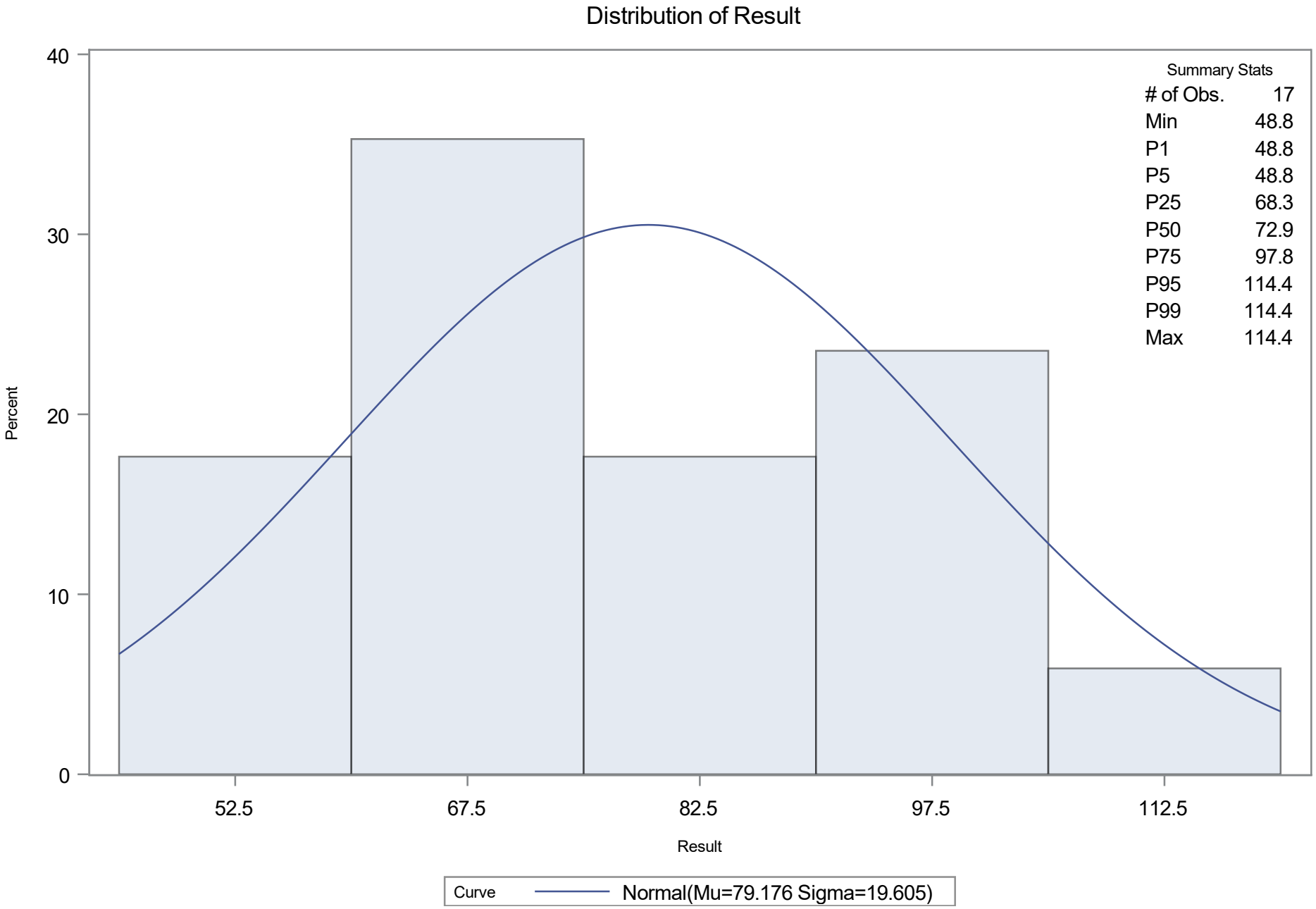
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	79.17647
Std Dev	Sigma	19.60474

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15498473	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05128166	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29194639	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	48.8000	33.5690
5.0	48.8000	46.9295
10.0	50.7000	54.0520
25.0	68.3000	65.9533
50.0	72.9000	79.1765
75.0	97.8000	92.3997
90.0	104.9000	104.3010
95.0	114.4000	111.4234
99.0	114.4000	124.7839

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	17	48.80	68.30	79.18	72.90	97.80	114.40

Period of Record: January 1996 through December 2023
Analysis Days Only

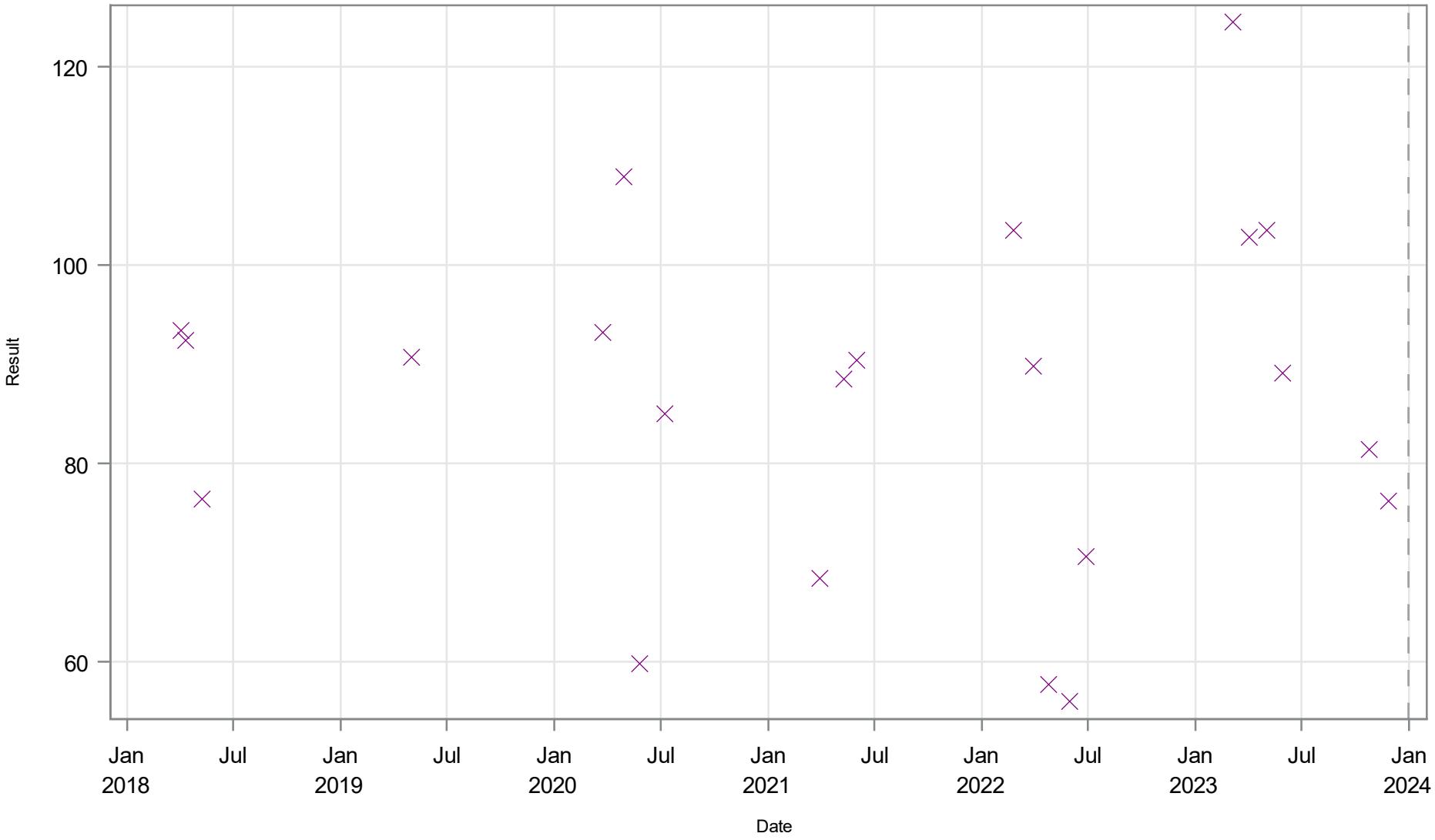
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

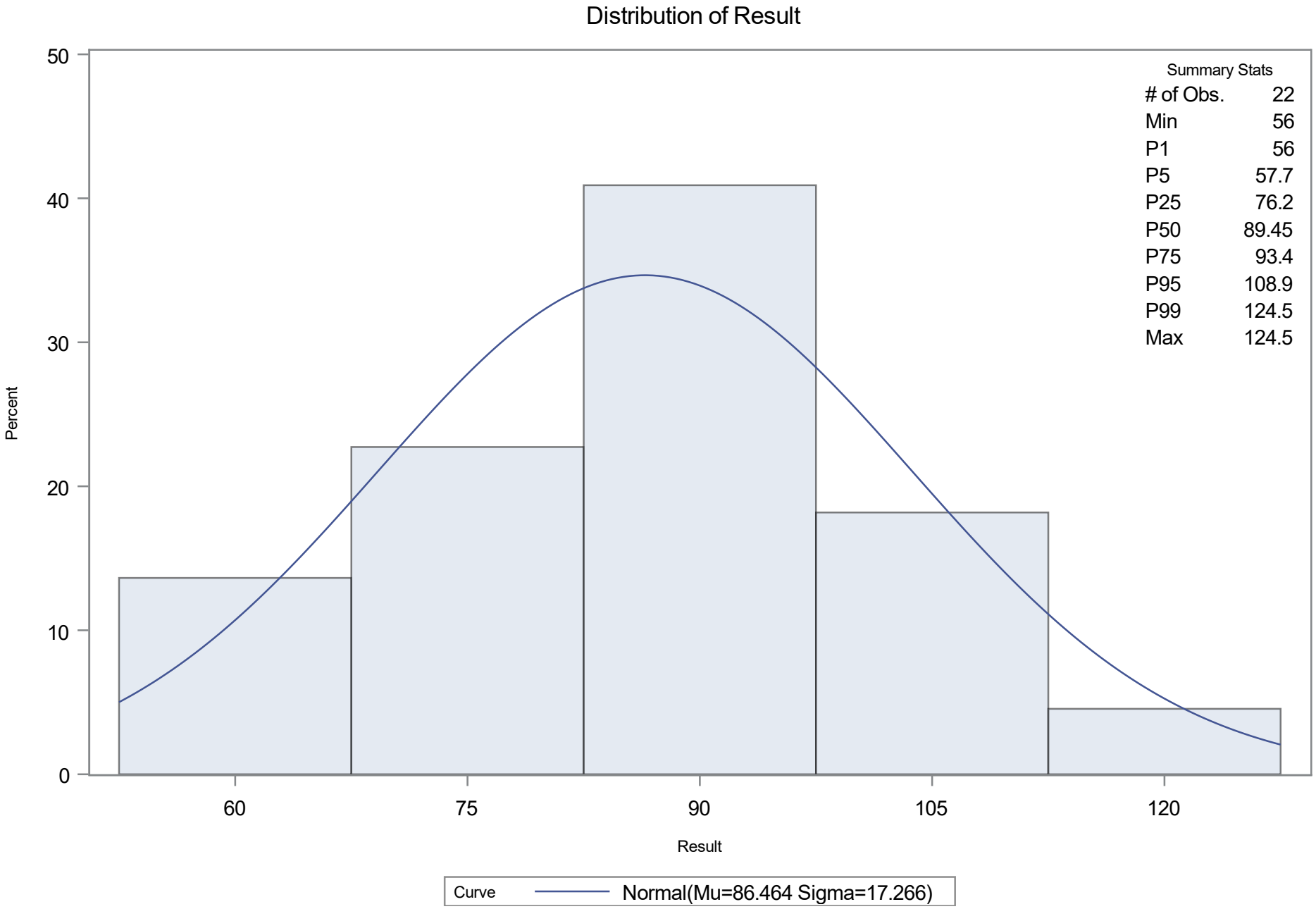
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	86.46364
Std Dev	Sigma	17.26625

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13785108	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05757895	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33348160	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	56.0000	46.2963
5.0	57.7000	58.0632
10.0	59.8000	64.3360
25.0	76.2000	74.8177
50.0	89.4500	86.4636
75.0	93.4000	98.1095
90.0	103.5000	108.5912
95.0	108.9000	114.8641
99.0	124.5000	126.6309

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	22	56.00	76.20	86.46	89.45	93.40	124.50

Period of Record: January 1996 through December 2023
Analysis Days Only

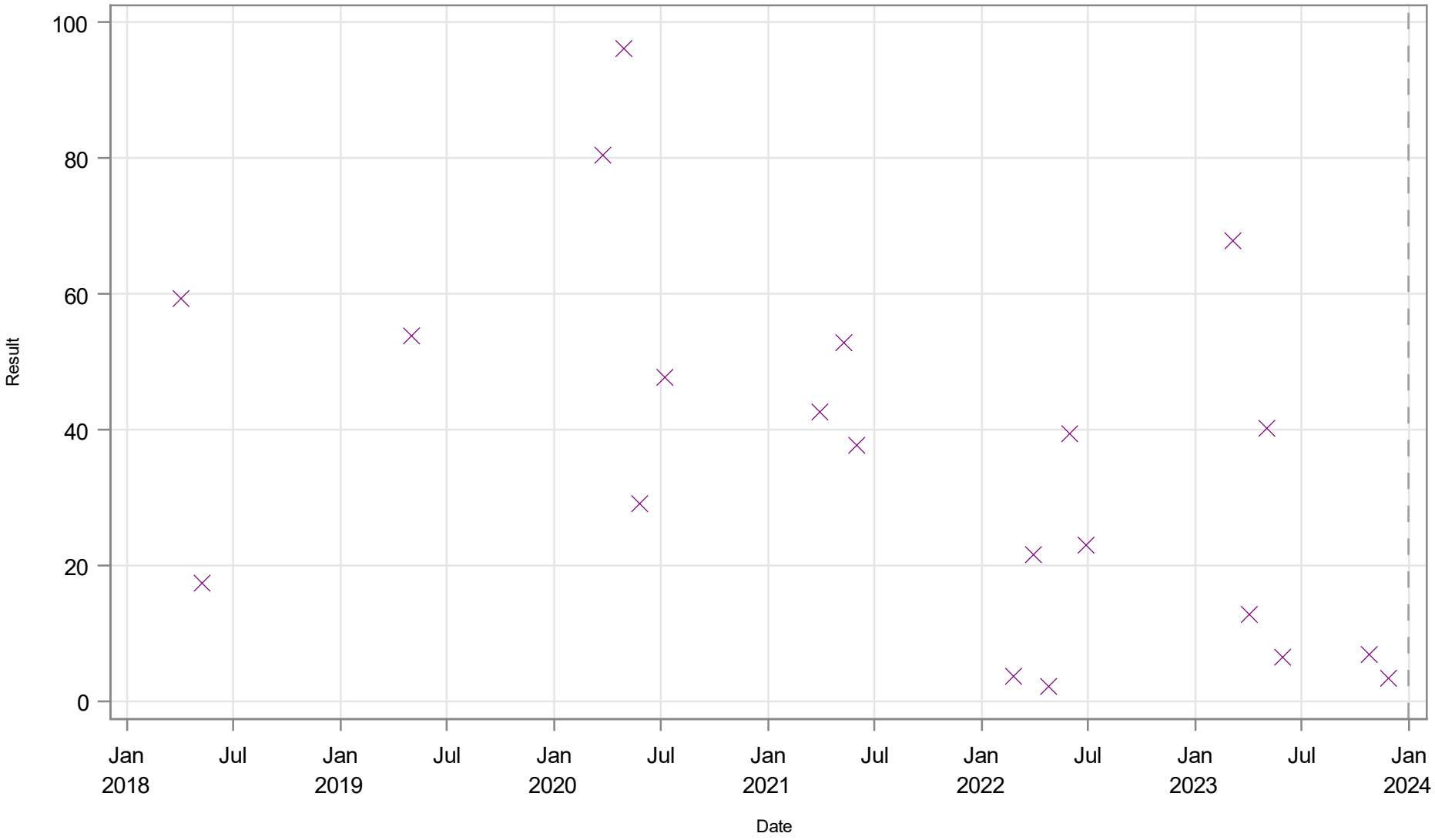
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR06 SN 800047

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

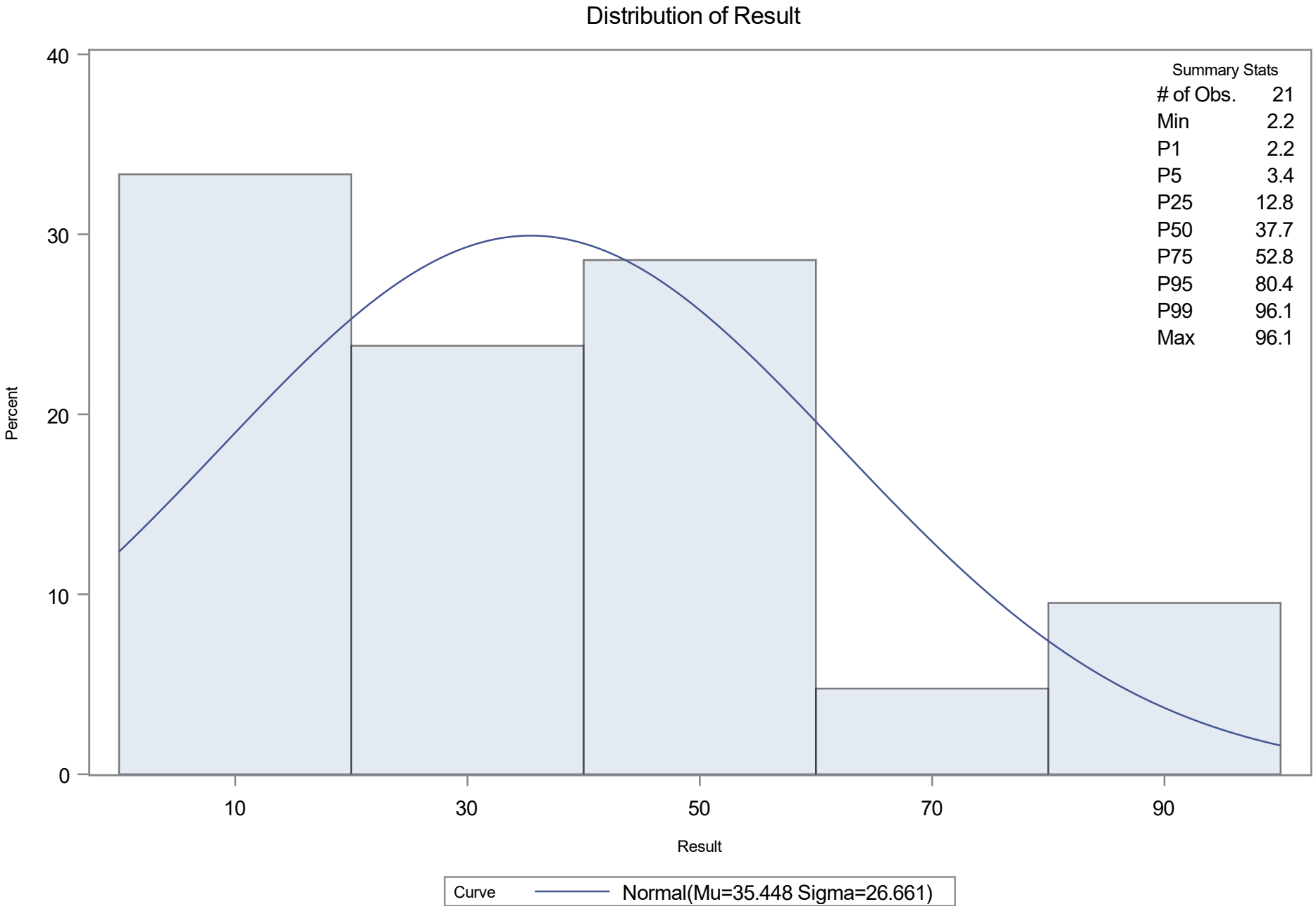
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	35.44762
Std Dev	Sigma	26.66124

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10827883	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04433910	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35109695	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.20000	-26.57570
5.0	3.40000	-8.40622
10.0	3.70000	1.27987
25.0	12.80000	17.46489
50.0	37.70000	35.44762
75.0	52.80000	53.43035
90.0	67.80000	69.61537
95.0	80.40000	79.30145
99.0	96.10000	97.47093

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

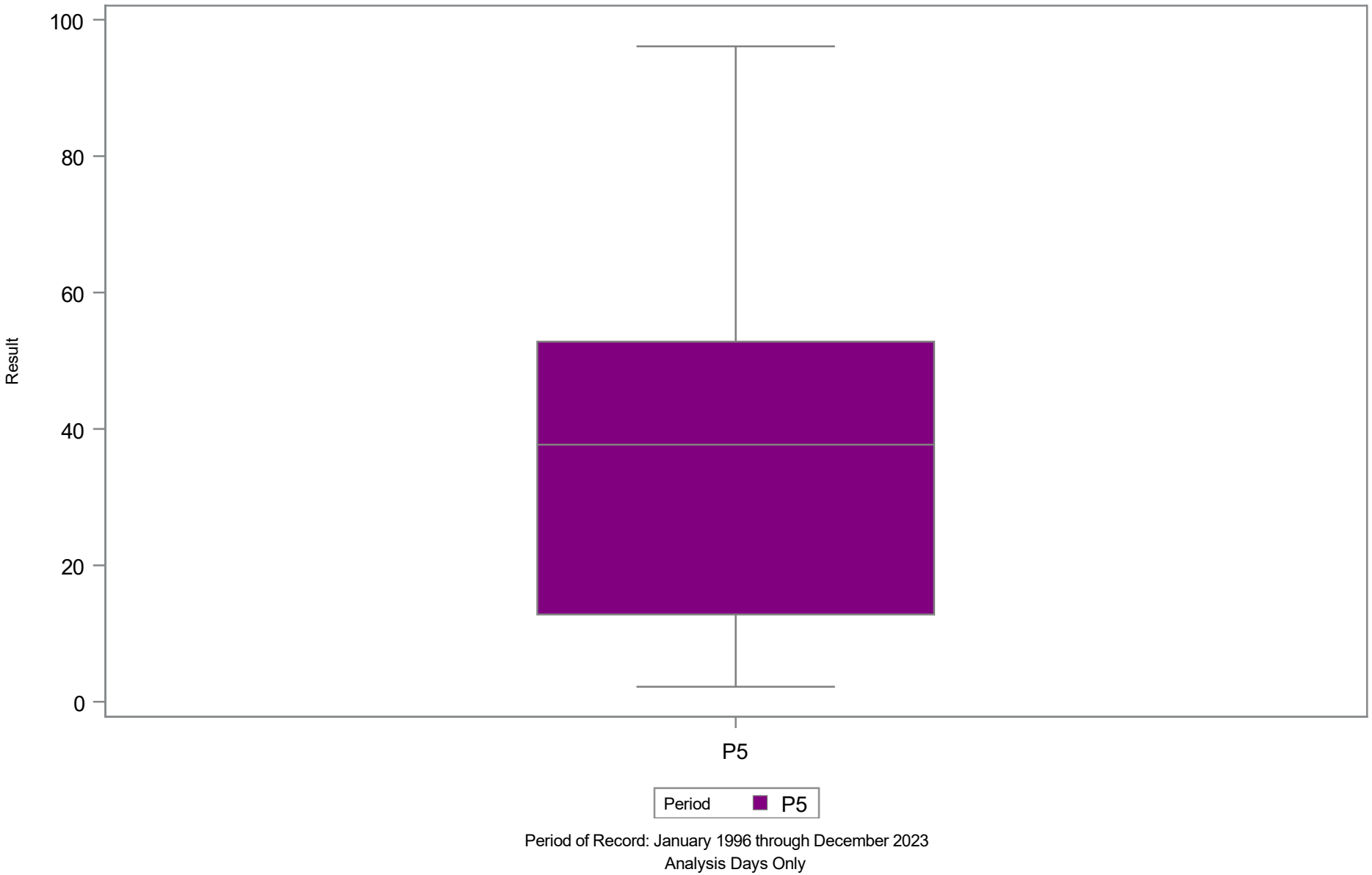
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	2.20	12.80	35.45	37.70	52.80	96.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

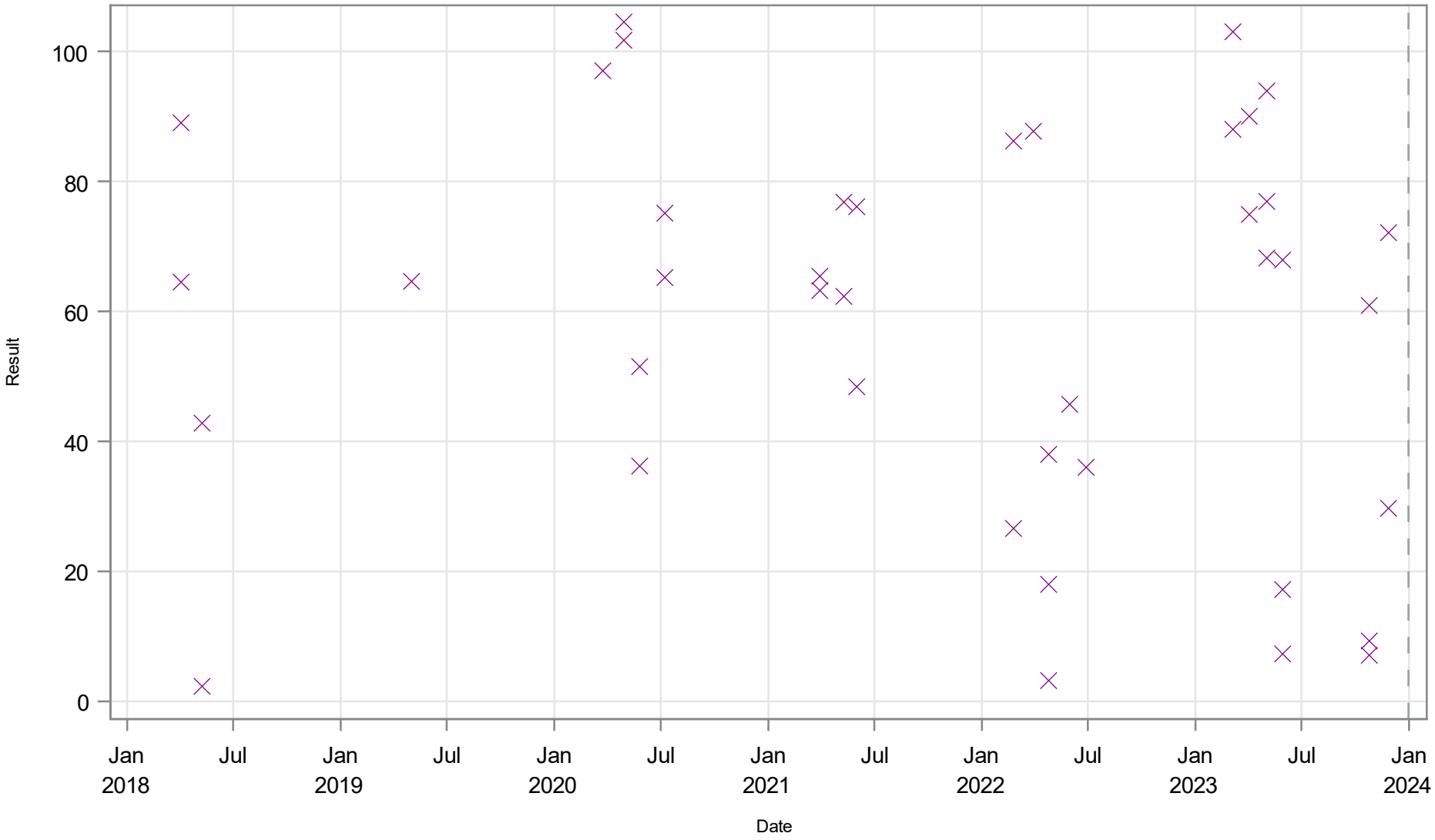
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07
SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

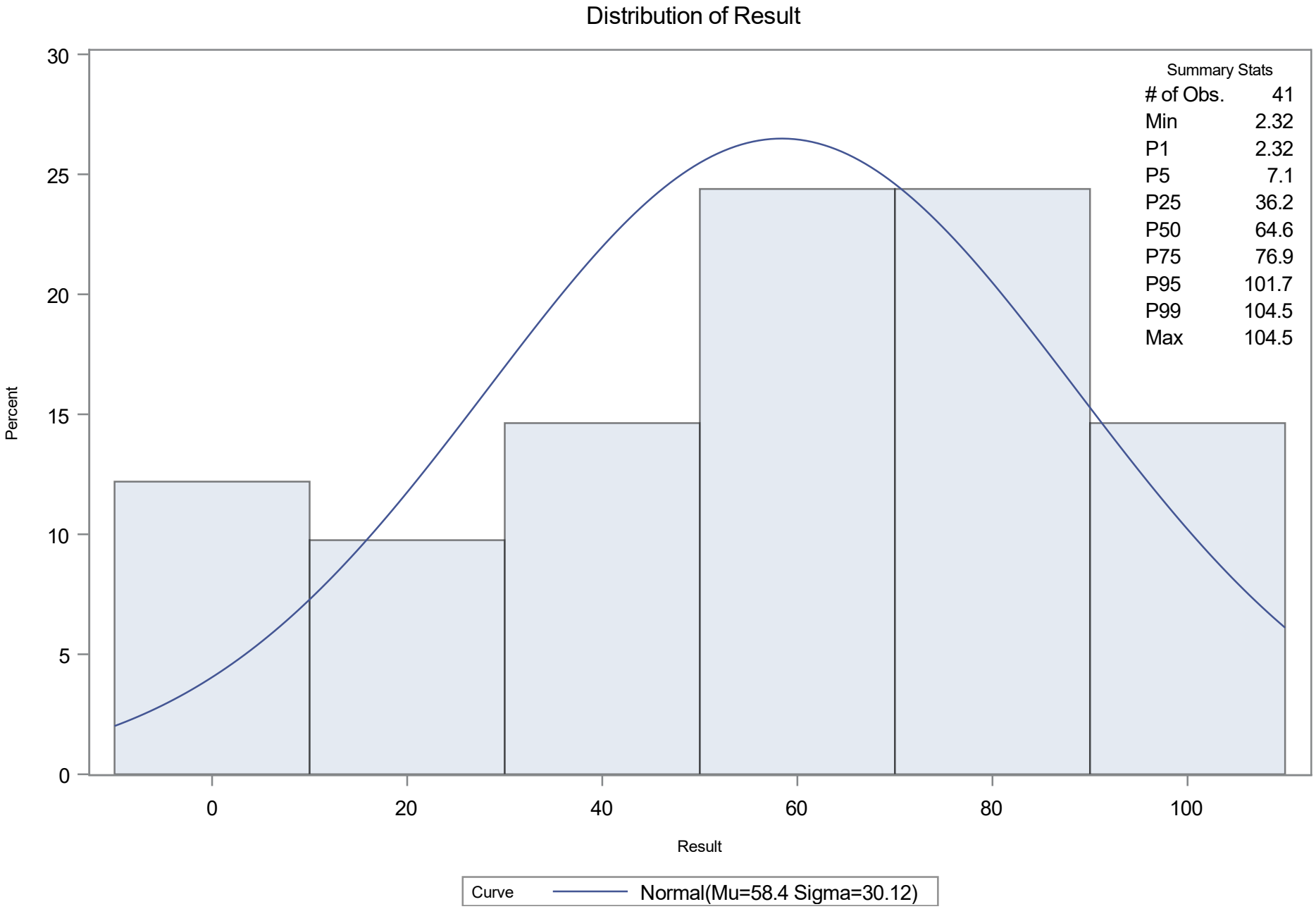
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	58.40049
Std Dev	Sigma	30.12049

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14282388	**Pr > D**	0.035
Cramer-von Mises	**W-Sq**	0.11139189	**Pr > W-Sq**	0.080
Anderson-Darling	**A-Sq**	0.69781971	**Pr > A-Sq**	0.067

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.32000	-11.67025
5.0	7.10000	8.85669
10.0	9.30000	19.79953
25.0	36.20000	38.08453
50.0	64.60000	58.40049
75.0	76.90000	78.71645
90.0	93.90000	97.00145
95.0	101.70000	107.94428
99.0	104.50000	128.47123

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	41	2.32	36.20	58.40	64.60	76.90	104.50

Period of Record: January 1996 through December 2023
Analysis Days Only

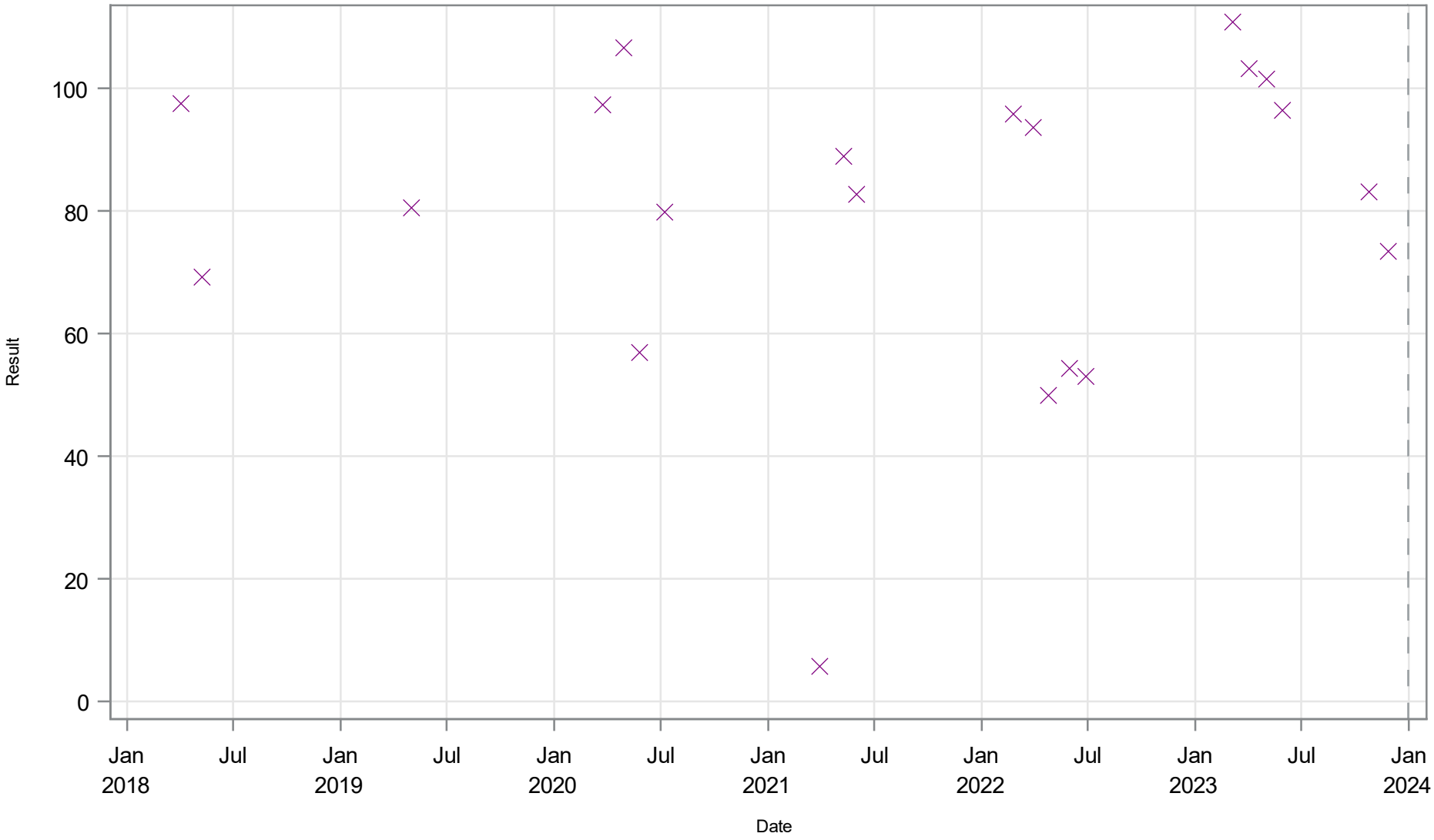
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

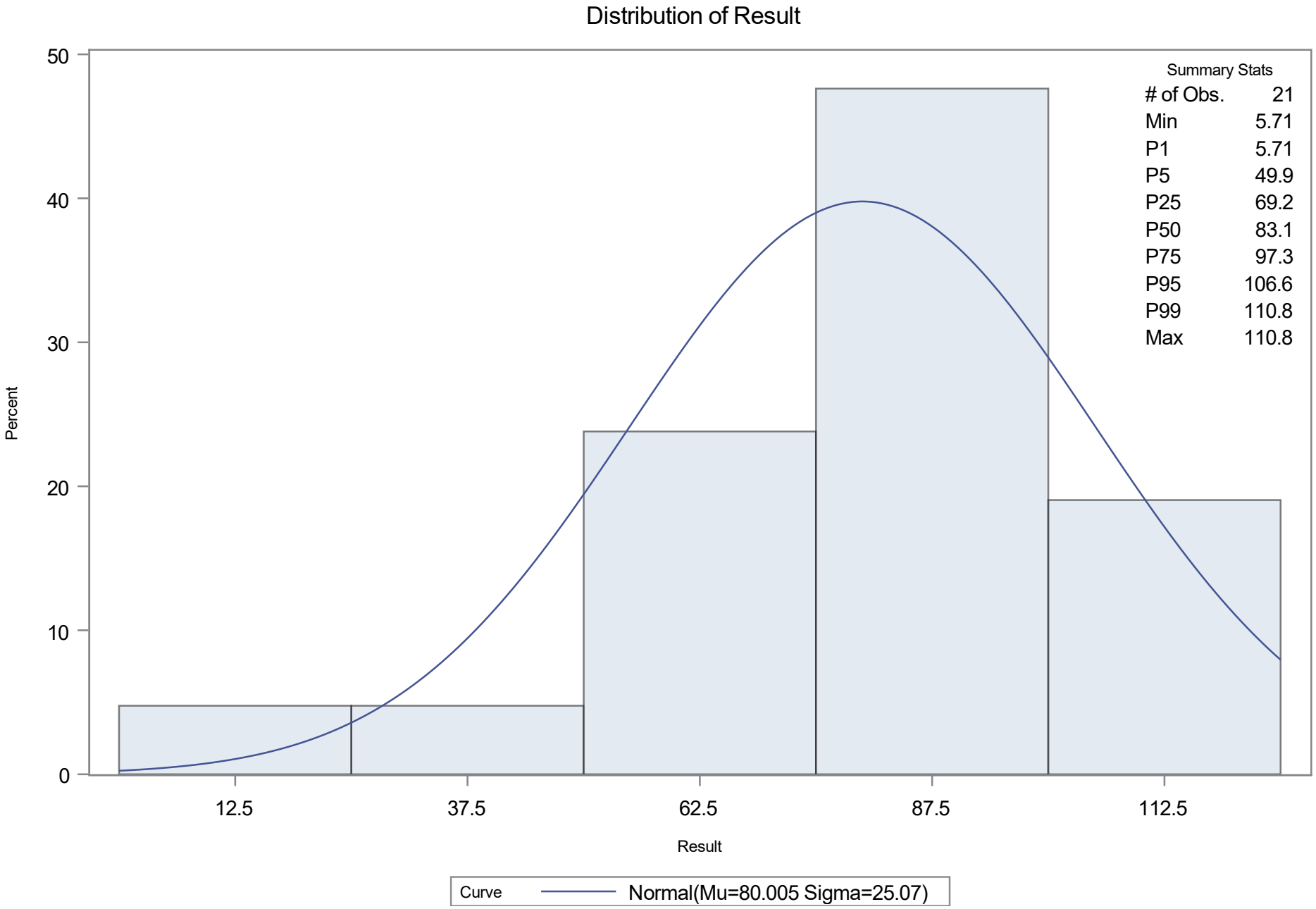
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	80.00524
Std Dev	Sigma	25.0704

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16340077	**Pr > D**	0.147
Cramer-von Mises	**W-Sq**	0.11163397	**Pr > W-Sq**	0.077
Anderson-Darling	**A-Sq**	0.72699100	**Pr > A-Sq**	0.049

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.71000	21.6828
5.0	49.90000	38.7681
10.0	53.00000	47.8762
25.0	69.20000	63.0955
50.0	83.10000	80.0052
75.0	97.30000	96.9150
90.0	103.20000	112.1343
95.0	106.60000	121.2424
99.0	110.80000	138.3277

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

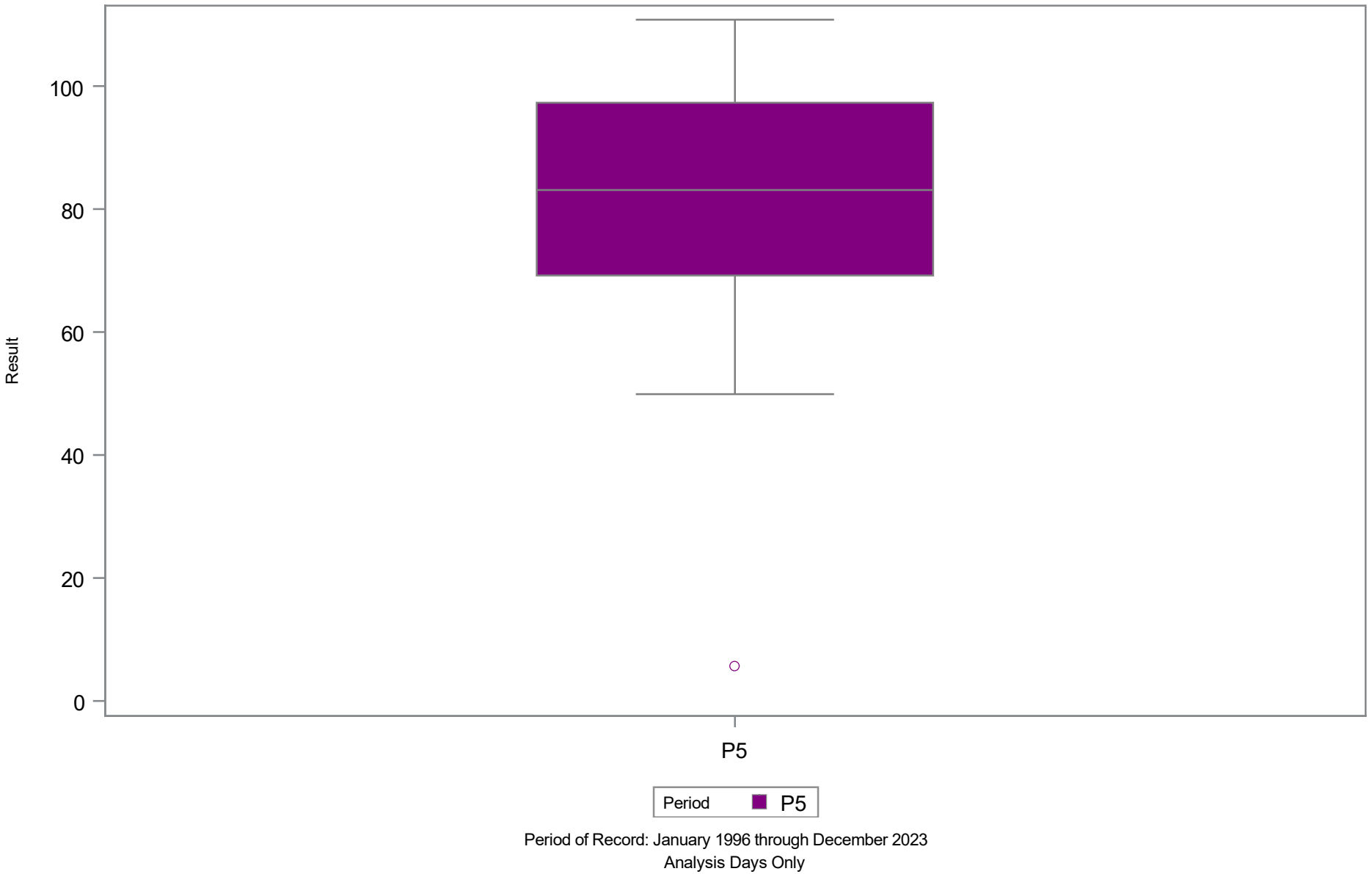
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	5.71	69.20	80.01	83.10	97.30	110.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

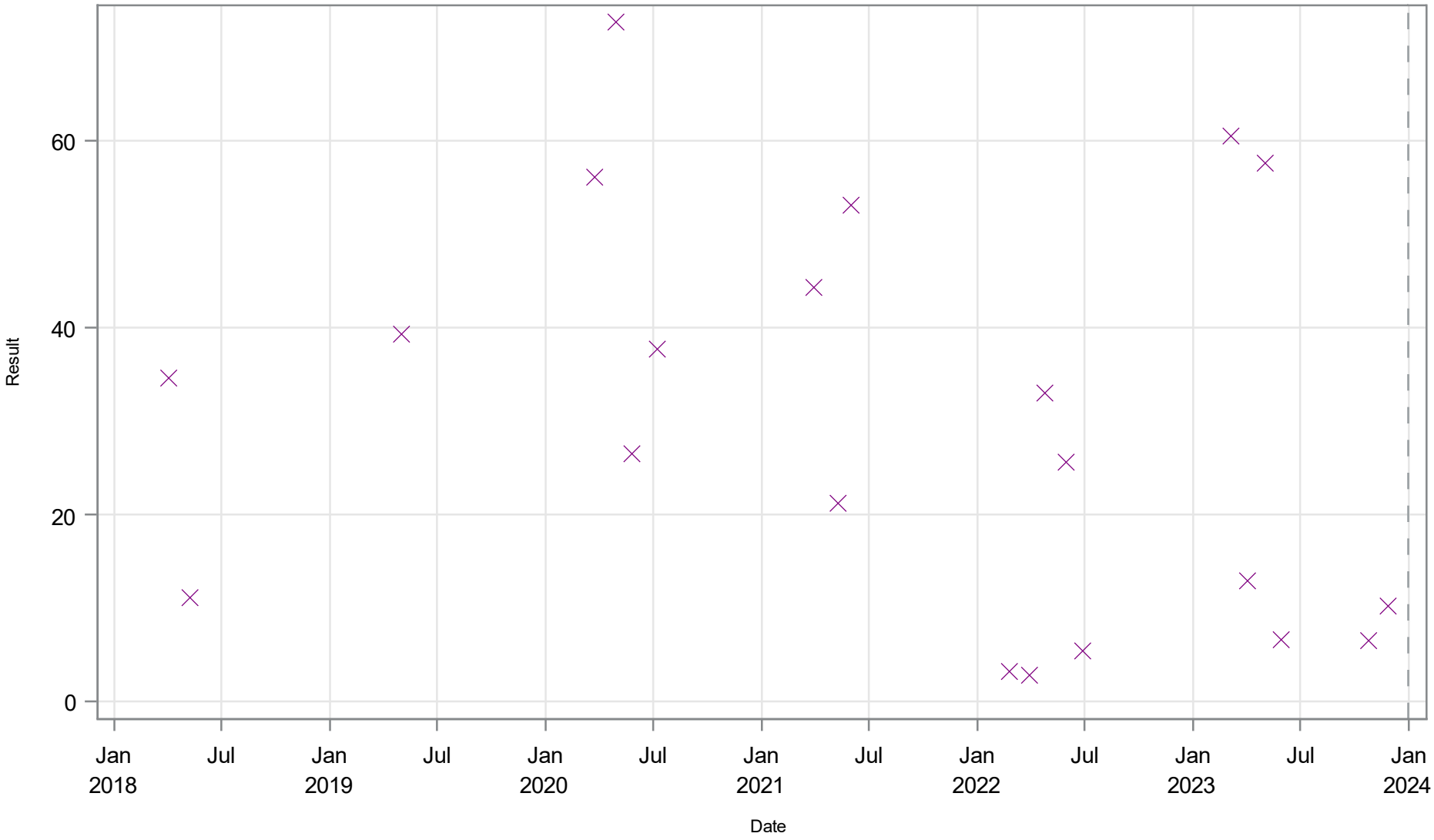
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

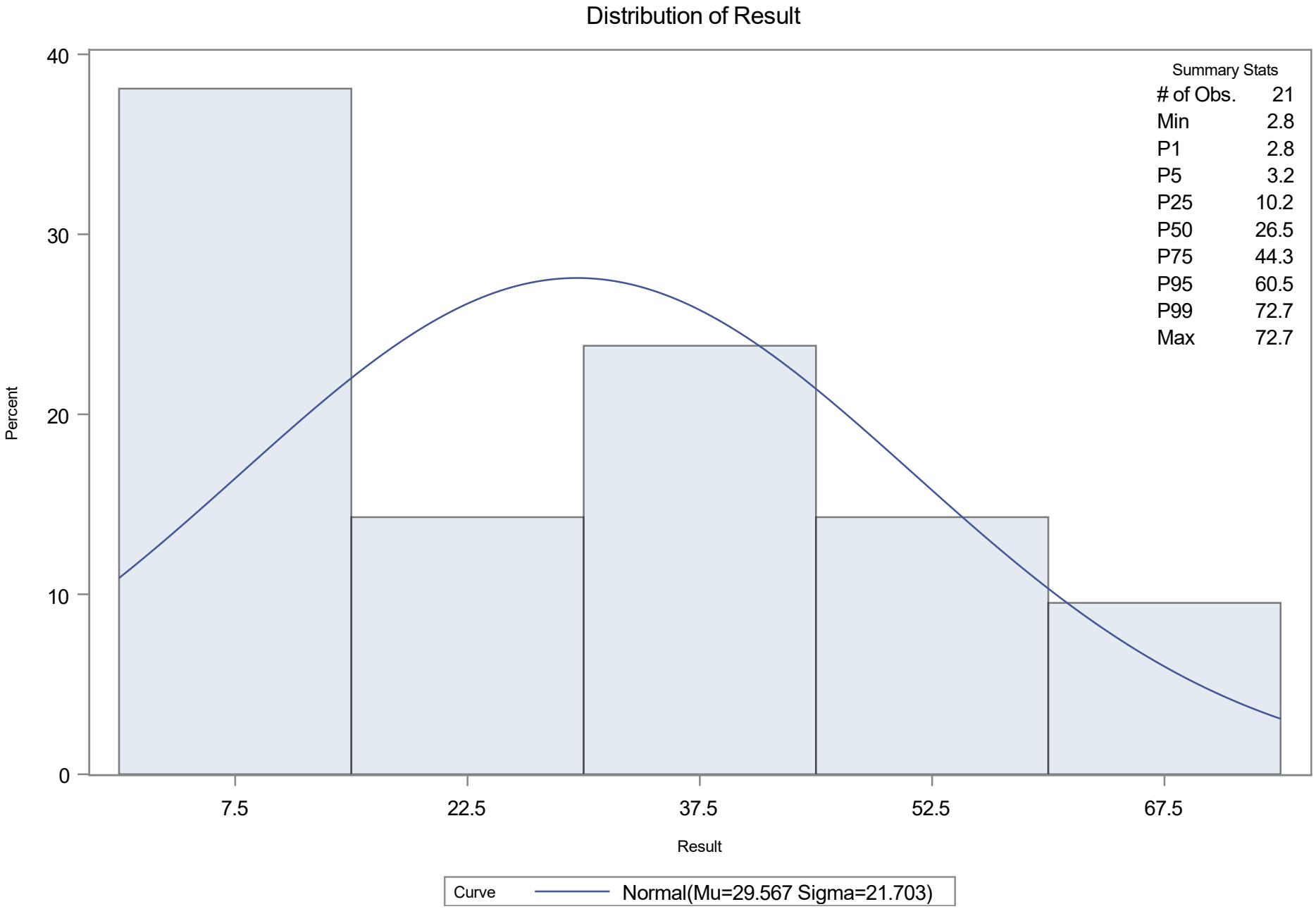
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	29.56667
Std Dev	Sigma	21.70296

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15969231	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07188857	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.51383469	**Pr > A-Sq**	0.179

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.80000	-20.92196
5.0	3.20000	-6.13152
10.0	5.40000	1.75321
25.0	10.20000	14.92824
50.0	26.50000	29.56667
75.0	44.30000	44.20509
90.0	57.60000	57.38012
95.0	60.50000	65.26485
99.0	72.70000	80.05529

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	2.80	10.20	29.57	26.50	44.30	72.70

Period of Record: January 1996 through December 2023
Analysis Days Only

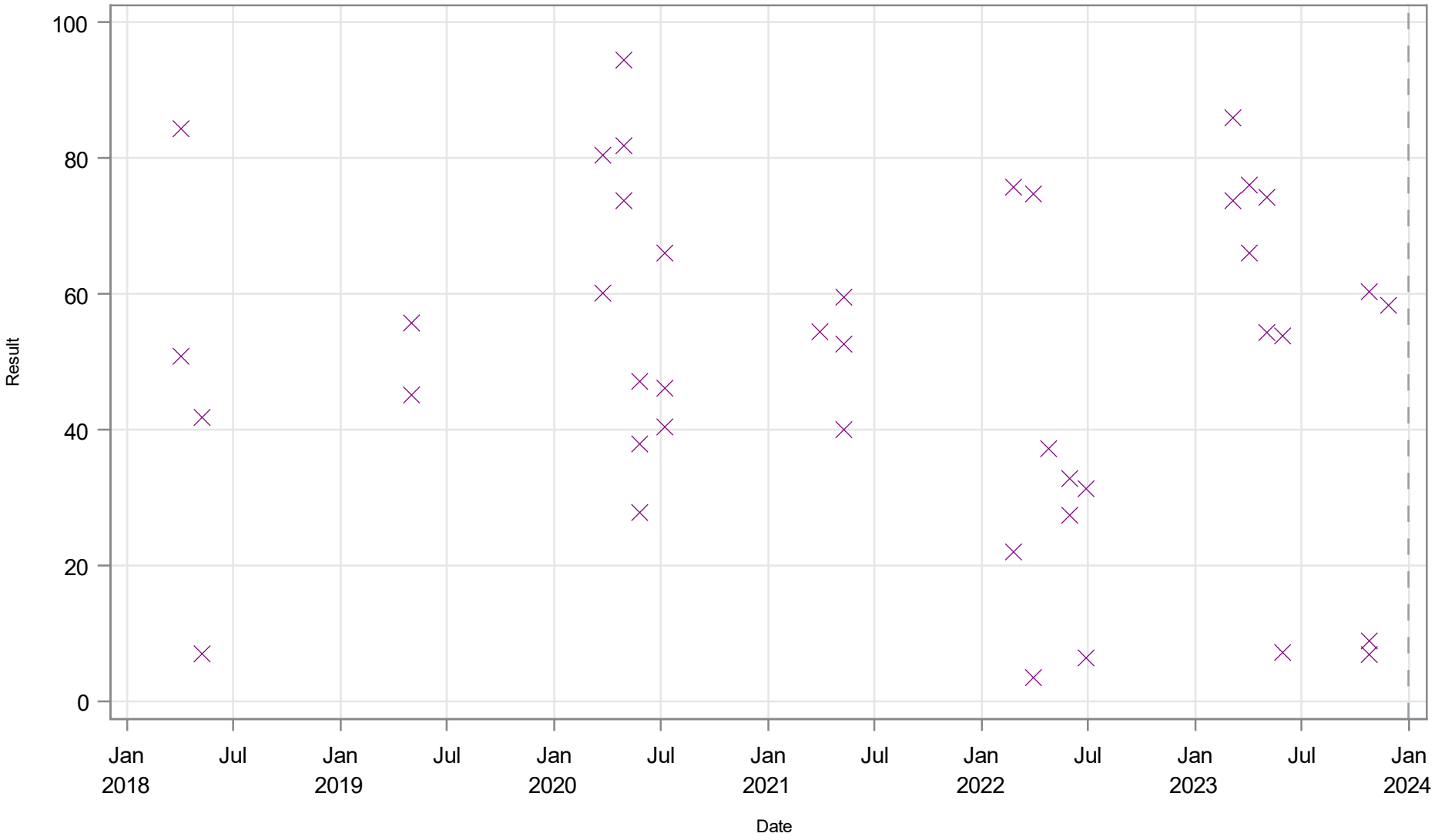
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08
SN 800049

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

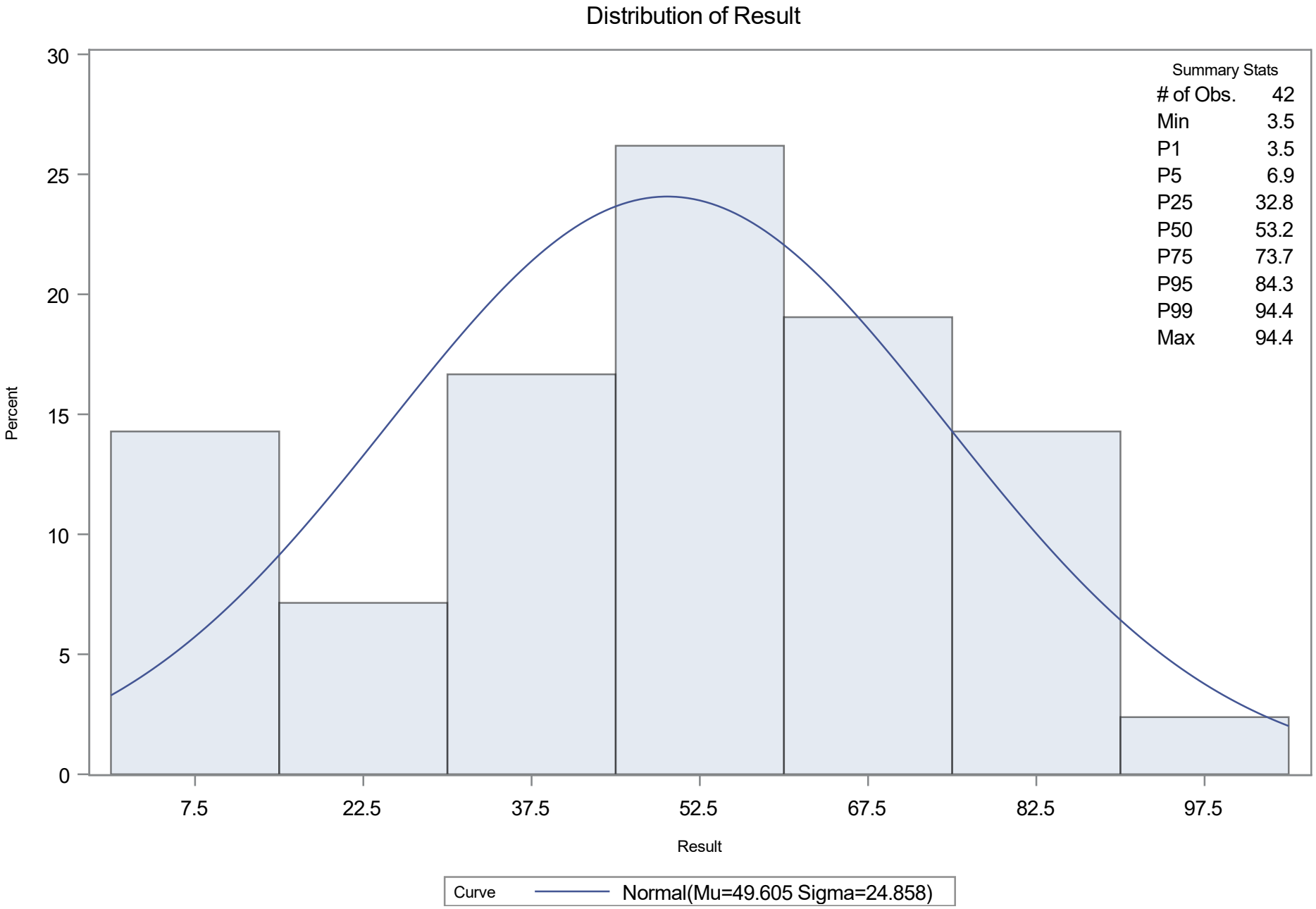
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	49.60476
Std Dev	Sigma	24.85754

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09571522	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05151928	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.47631001	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.50000	-8.22253
5.0	6.90000	8.71774
10.0	7.20000	17.74854
25.0	32.80000	32.83860
50.0	53.20000	49.60476
75.0	73.70000	66.37092
90.0	80.40000	81.46099
95.0	84.30000	90.49178
99.0	94.40000	107.43206

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

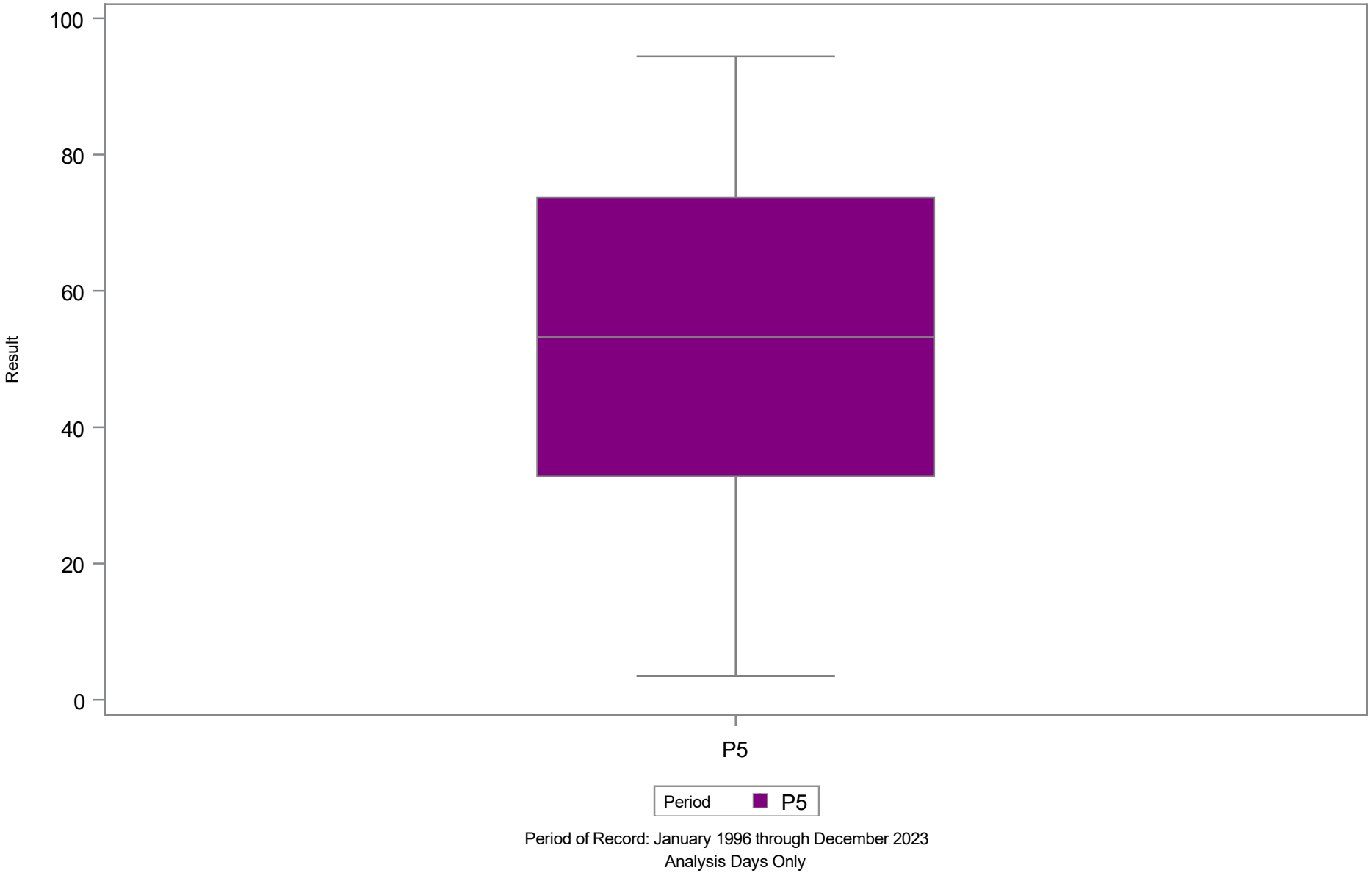
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	42	3.50	32.80	49.60	53.20	73.70	94.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

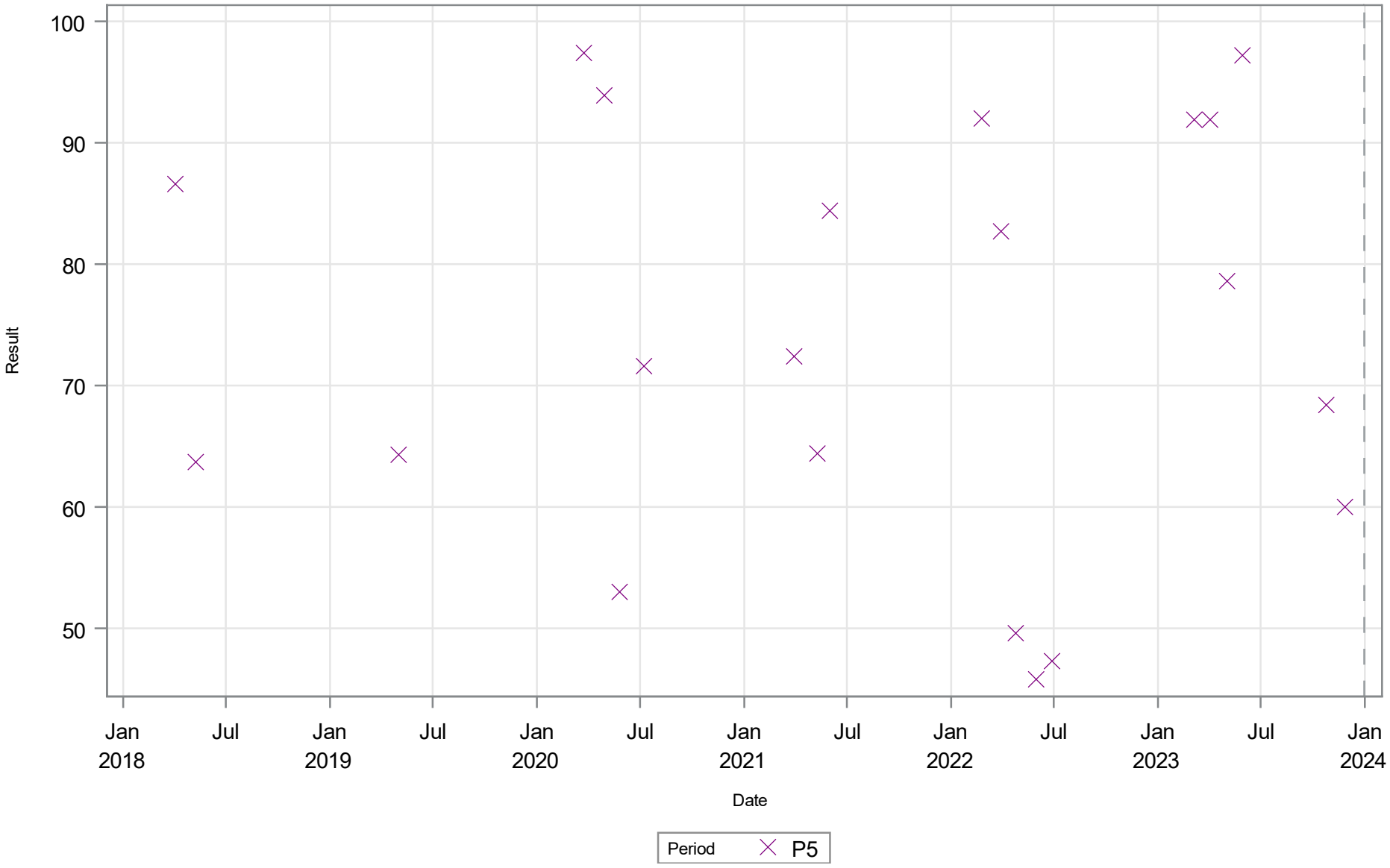
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

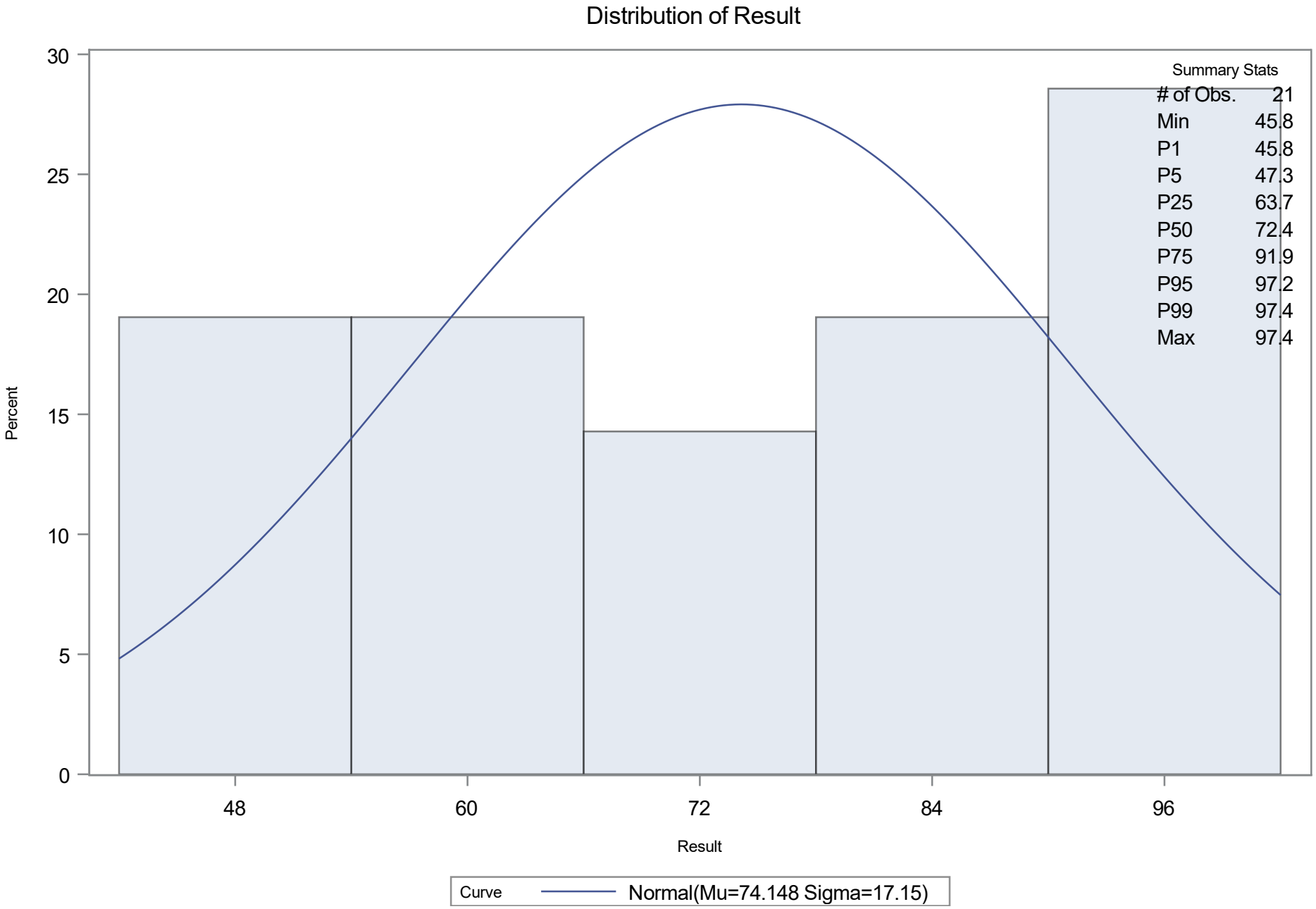
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	74.14762
Std Dev	Sigma	17.15

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13540879	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06507185	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.46055257	**Pr > A-Sq**	0.240

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	45.8000	34.2507
5.0	47.3000	45.9384
10.0	49.6000	52.1690
25.0	63.7000	62.5801
50.0	72.4000	74.1476
75.0	91.9000	85.7151
90.0	93.9000	96.1262
95.0	97.2000	102.3569
99.0	97.4000	114.0445

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	45.80	63.70	74.15	72.40	91.90	97.40

Period of Record: January 1996 through December 2023
Analysis Days Only

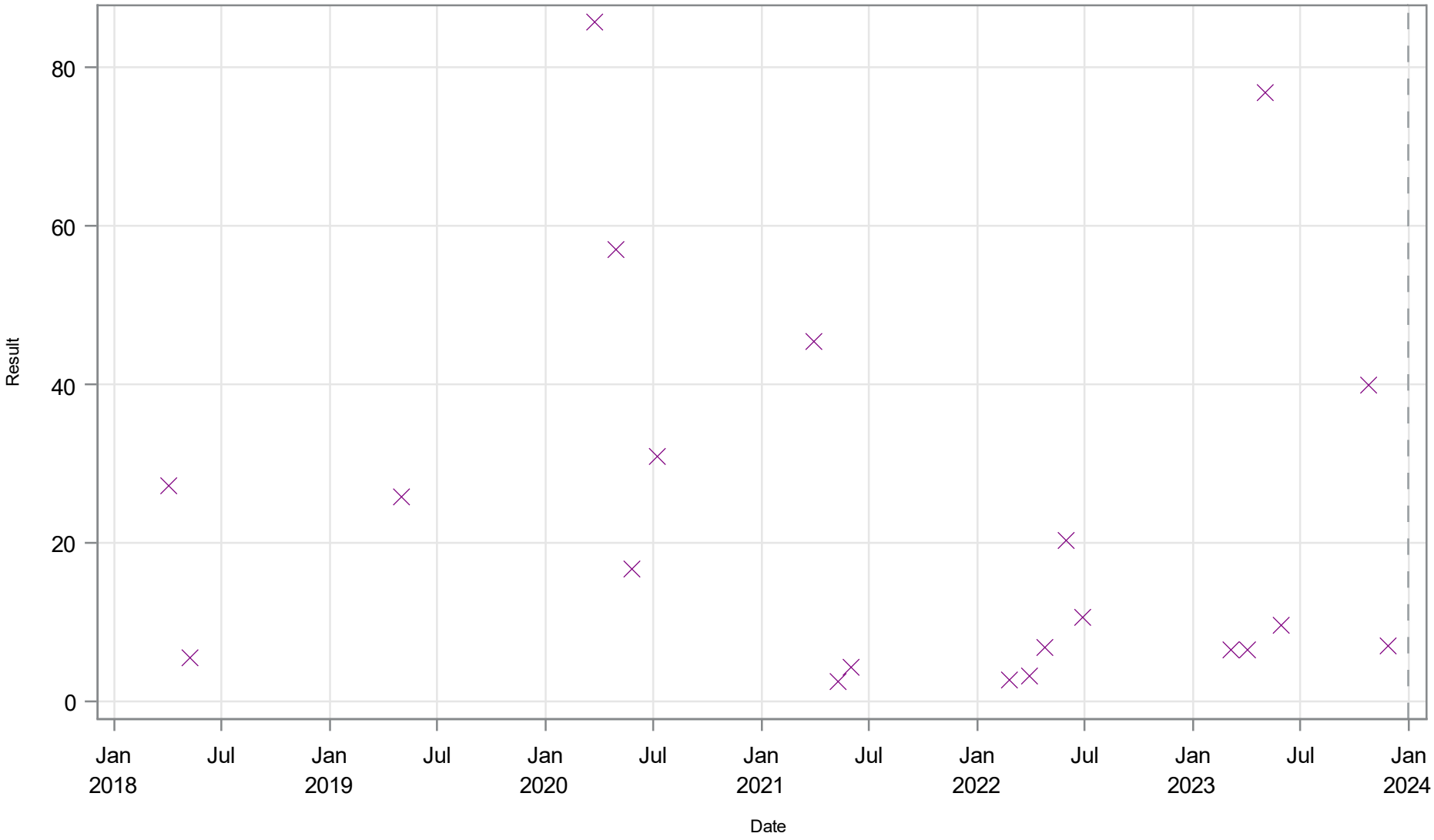
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR08
SN 800049

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

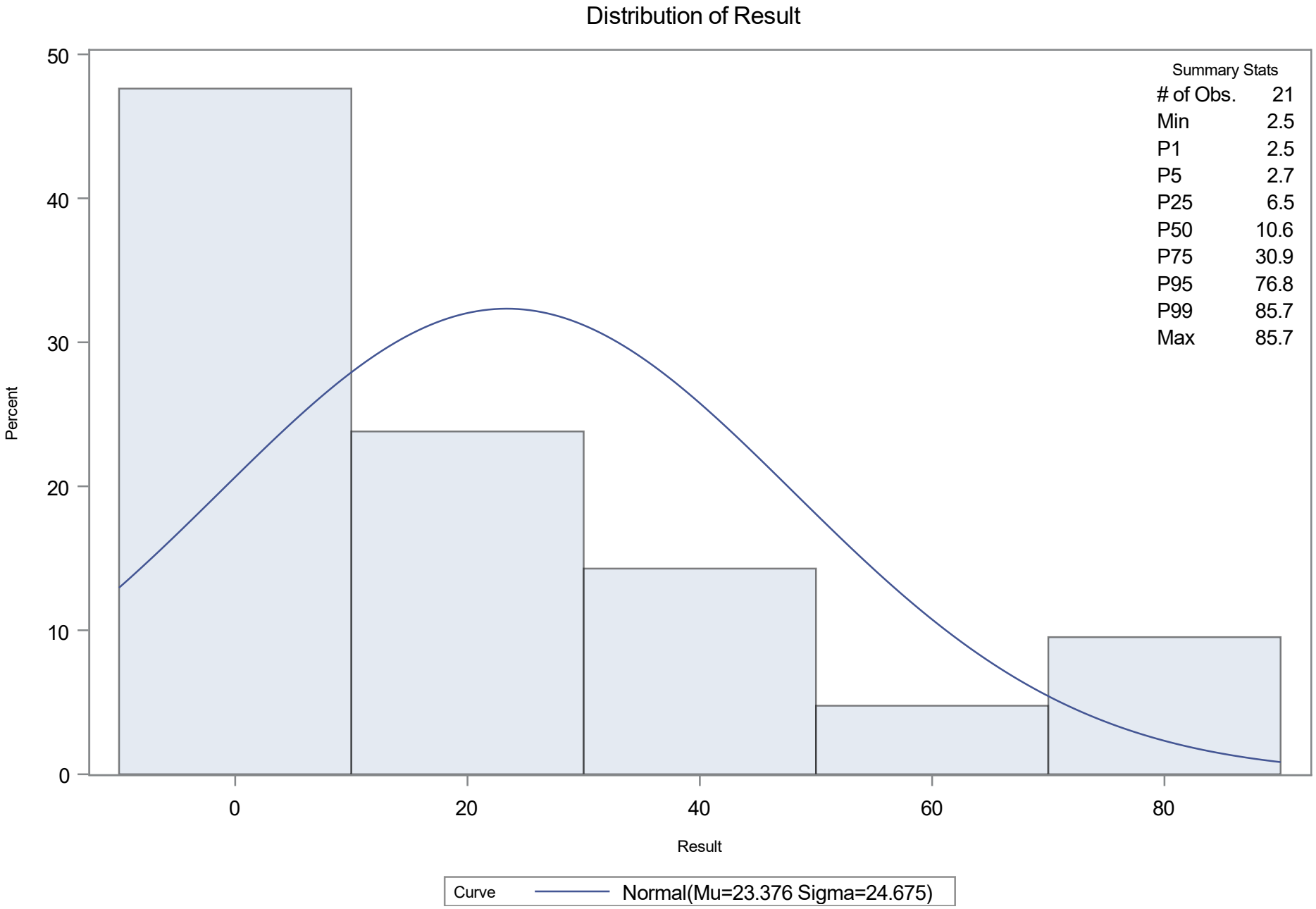
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.37619
Std Dev	Sigma	24.67547

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22149974	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25906884	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.53182463	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.50000	-34.02754
5.0	2.70000	-17.21135
10.0	3.20000	-8.24670
25.0	6.50000	6.73284
50.0	10.60000	23.37619
75.0	30.90000	40.01954
90.0	57.00000	54.99908
95.0	76.80000	63.96373
99.0	85.70000	80.77992

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

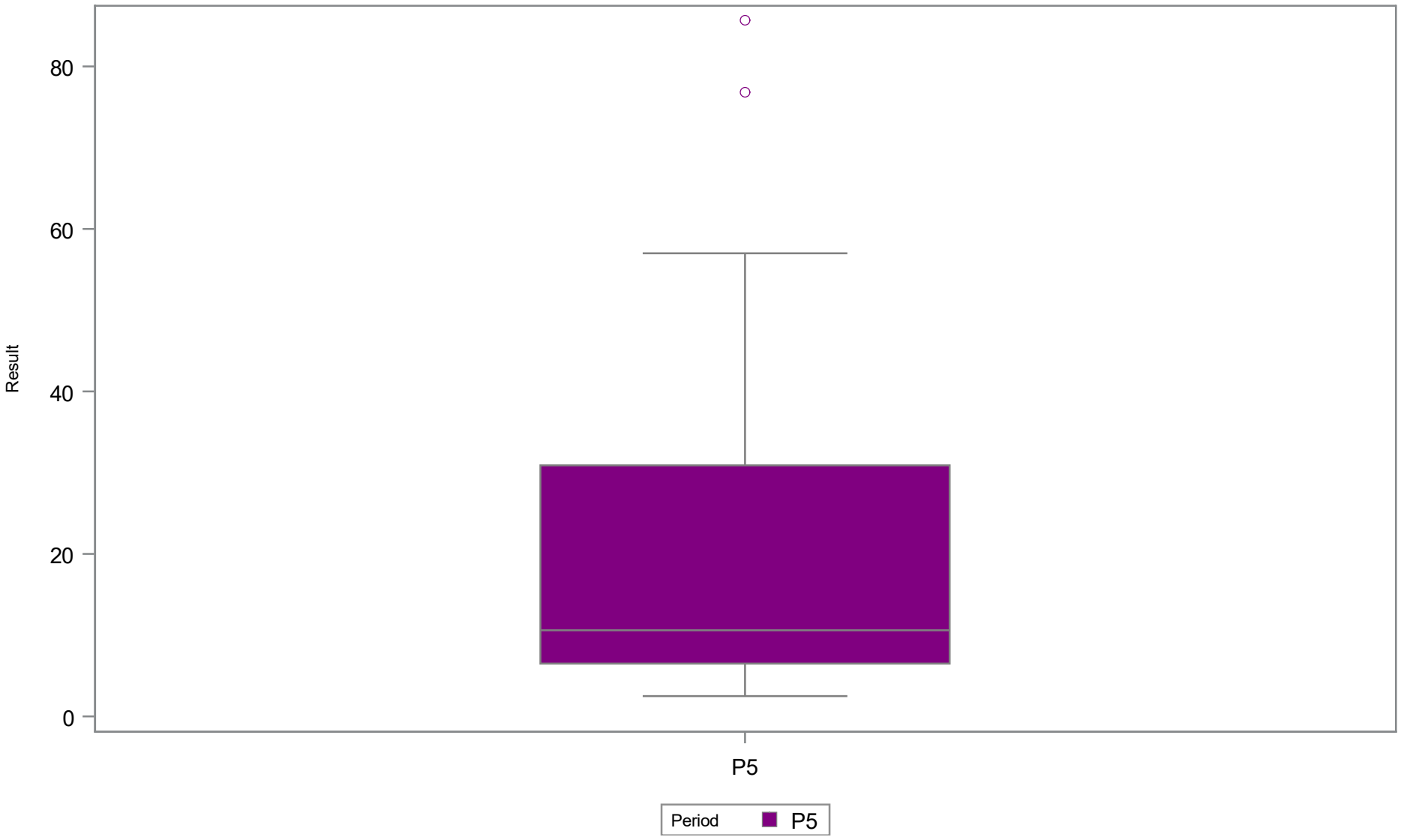
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	2.50	6.50	23.38	10.60	30.90	85.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

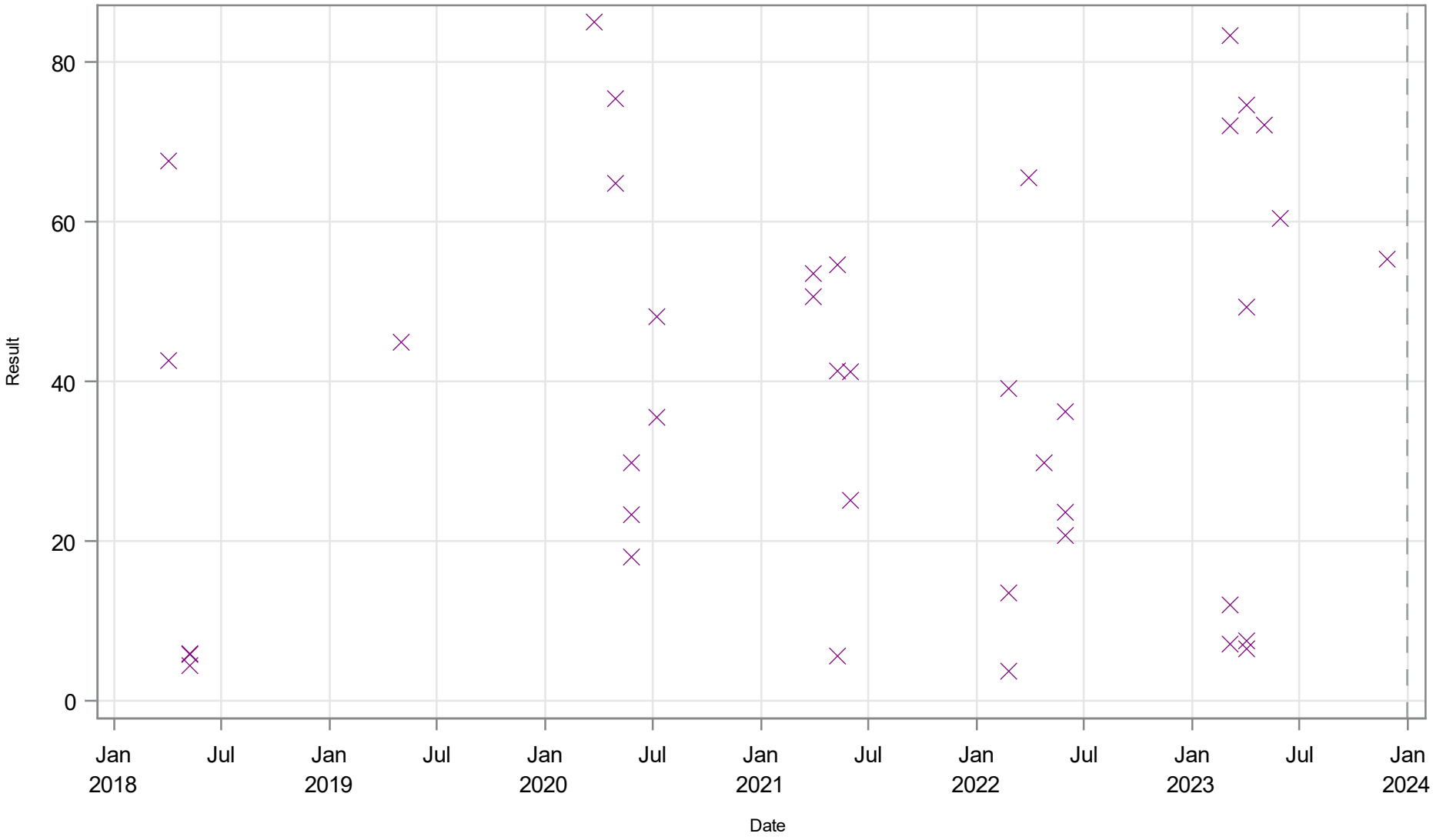
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

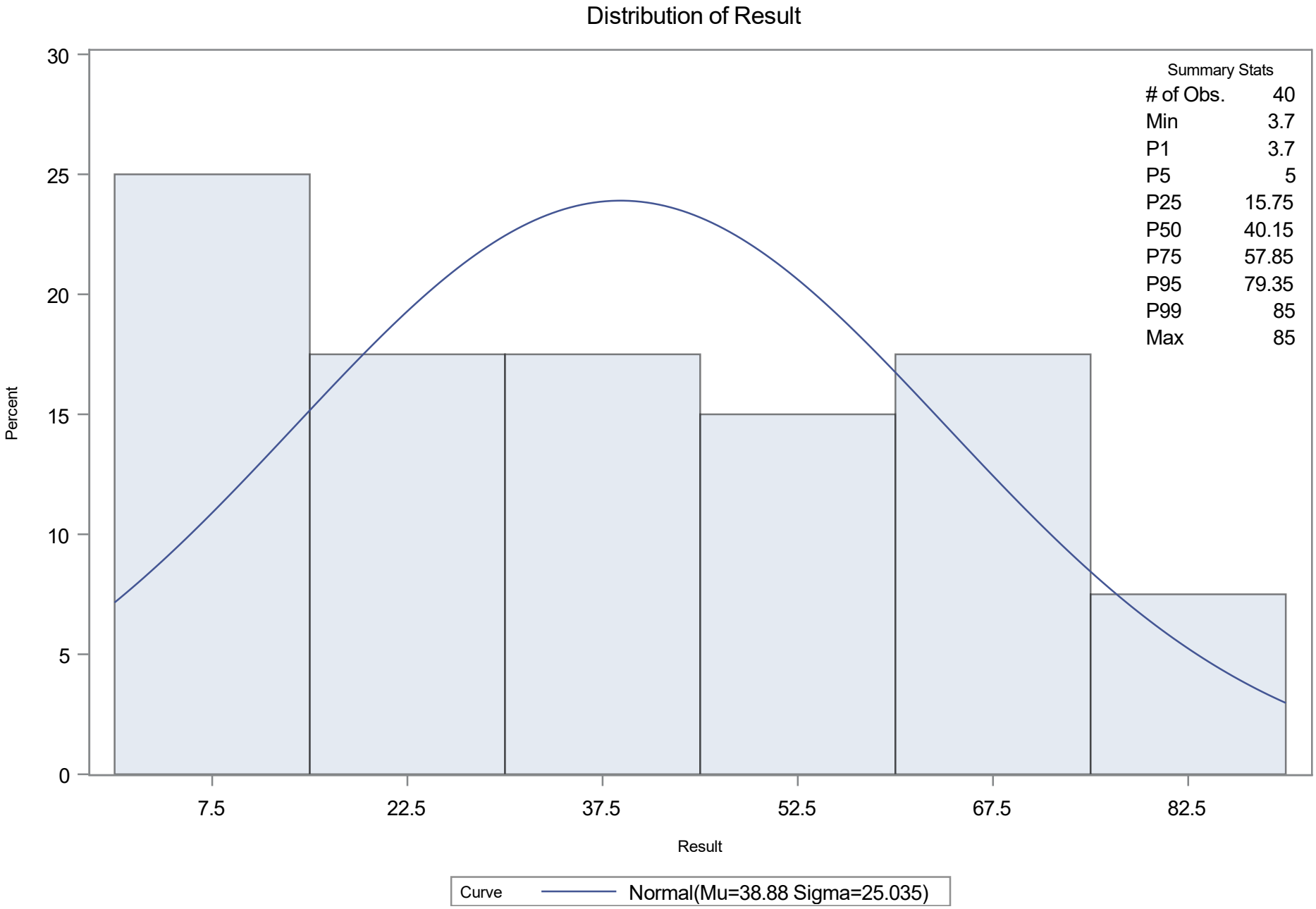
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	38.88
Std Dev	Sigma	25.03509

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09497736	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07226575	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.60009369	**Pr > A-Sq**	0.113

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.70000	-19.36032
5.0	5.00000	-2.29905
10.0	5.85000	6.79625
25.0	15.75000	21.99409
50.0	40.15000	38.88000
75.0	57.85000	55.76591
90.0	73.35000	70.96375
95.0	79.35000	80.05905
99.0	85.00000	97.12032

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	40	3.70	15.75	38.88	40.15	57.85	85.00

Period of Record: January 1996 through December 2023
Analysis Days Only

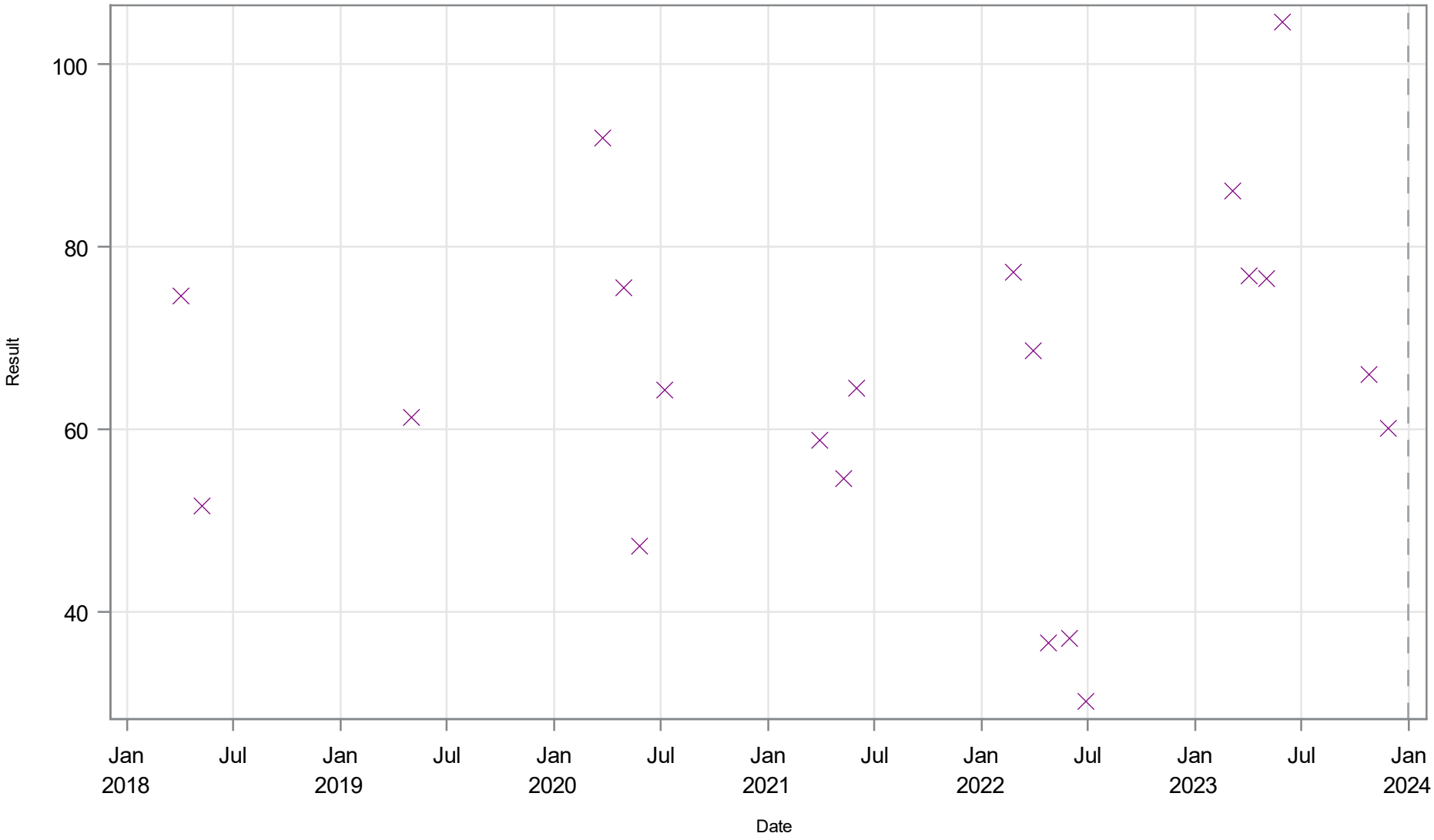
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

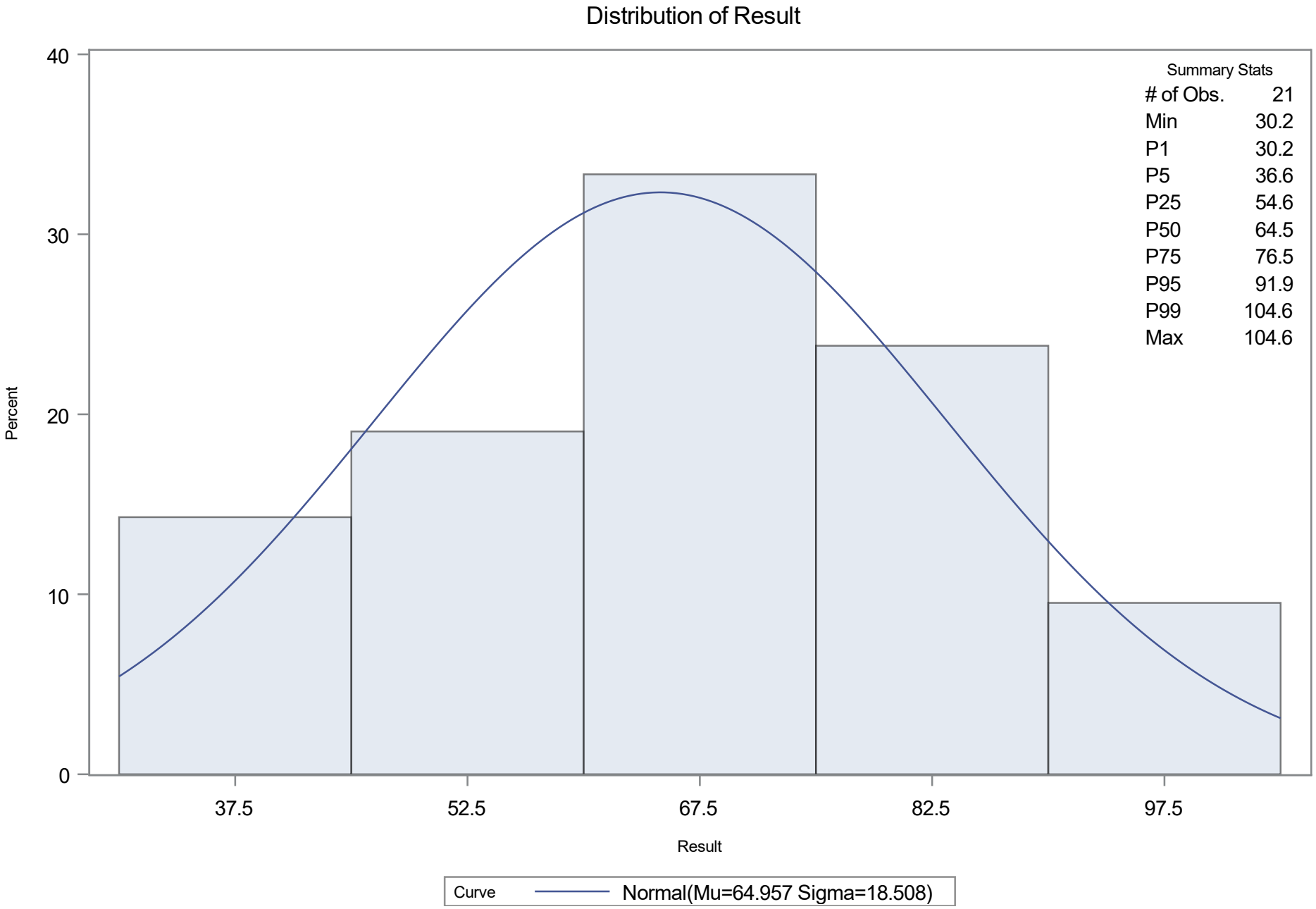
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	64.95714
Std Dev	Sigma	18.50823

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11129455	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02934836	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19789635	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	30.2000	21.9006
5.0	36.6000	34.5138
10.0	37.1000	41.2379
25.0	54.6000	52.4735
50.0	64.5000	64.9571
75.0	76.5000	77.4408
90.0	86.1000	88.6764
95.0	91.9000	95.4005
99.0	104.6000	108.0137

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

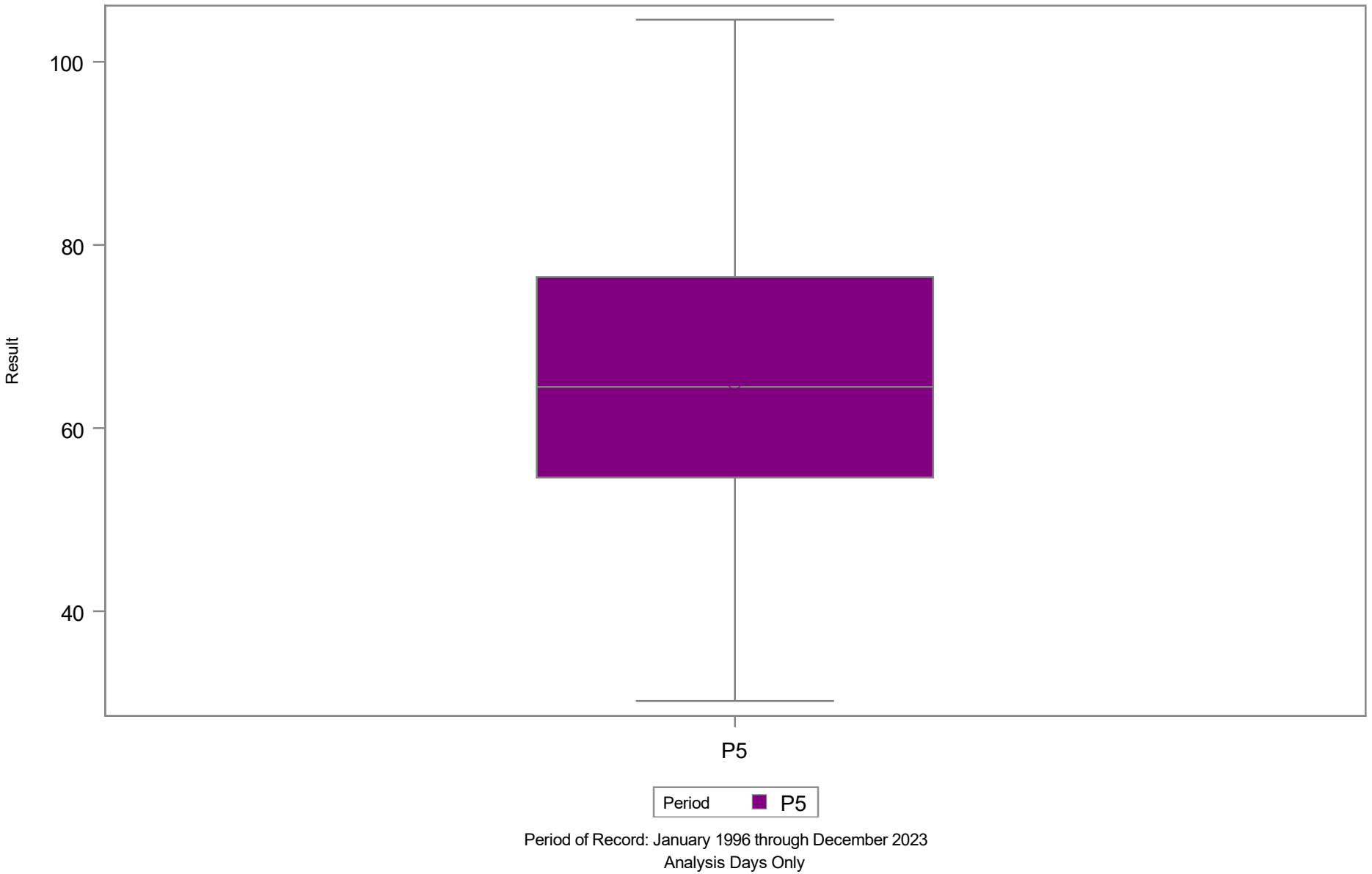
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	30.20	54.60	64.96	64.50	76.50	104.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

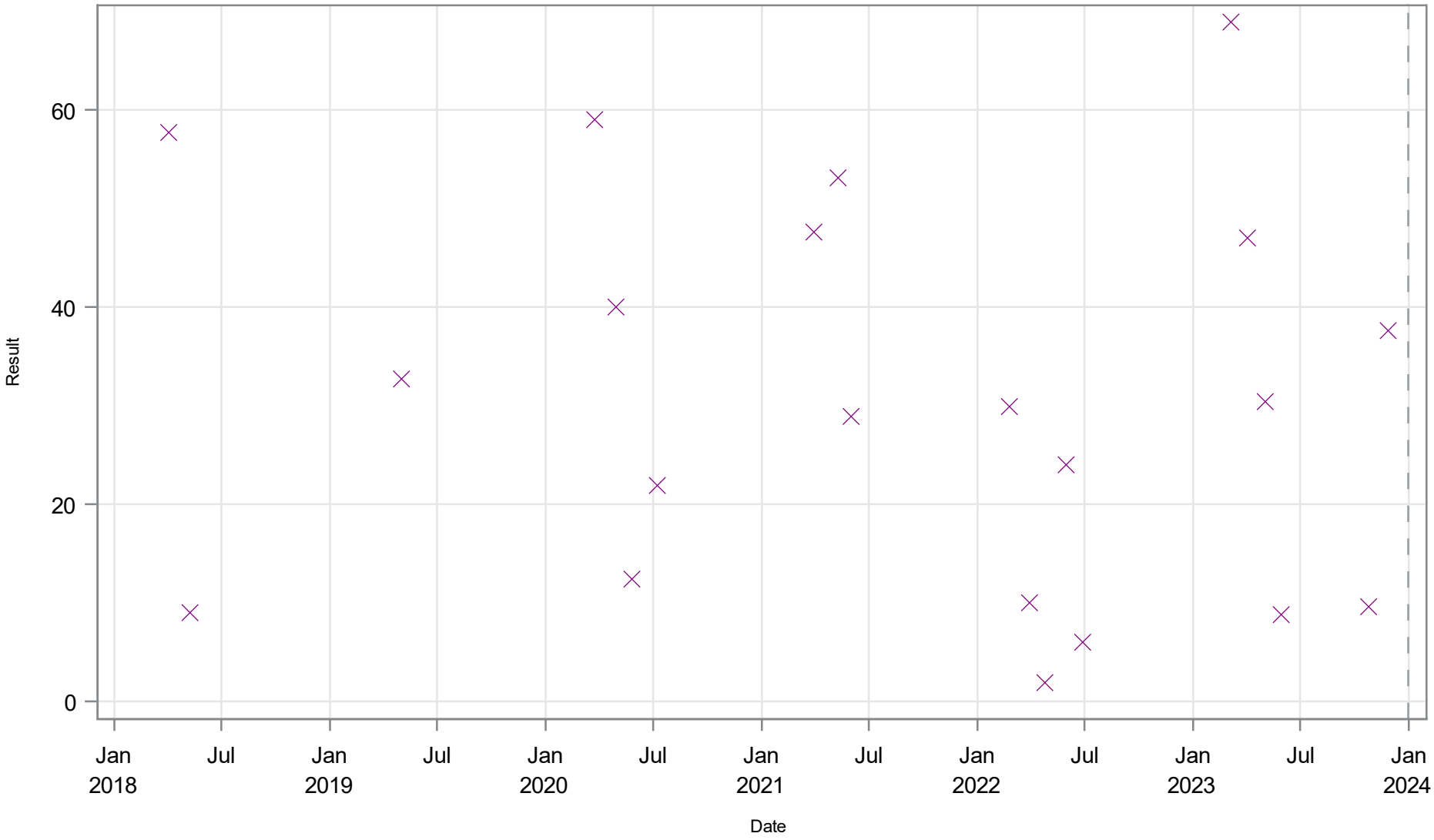
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

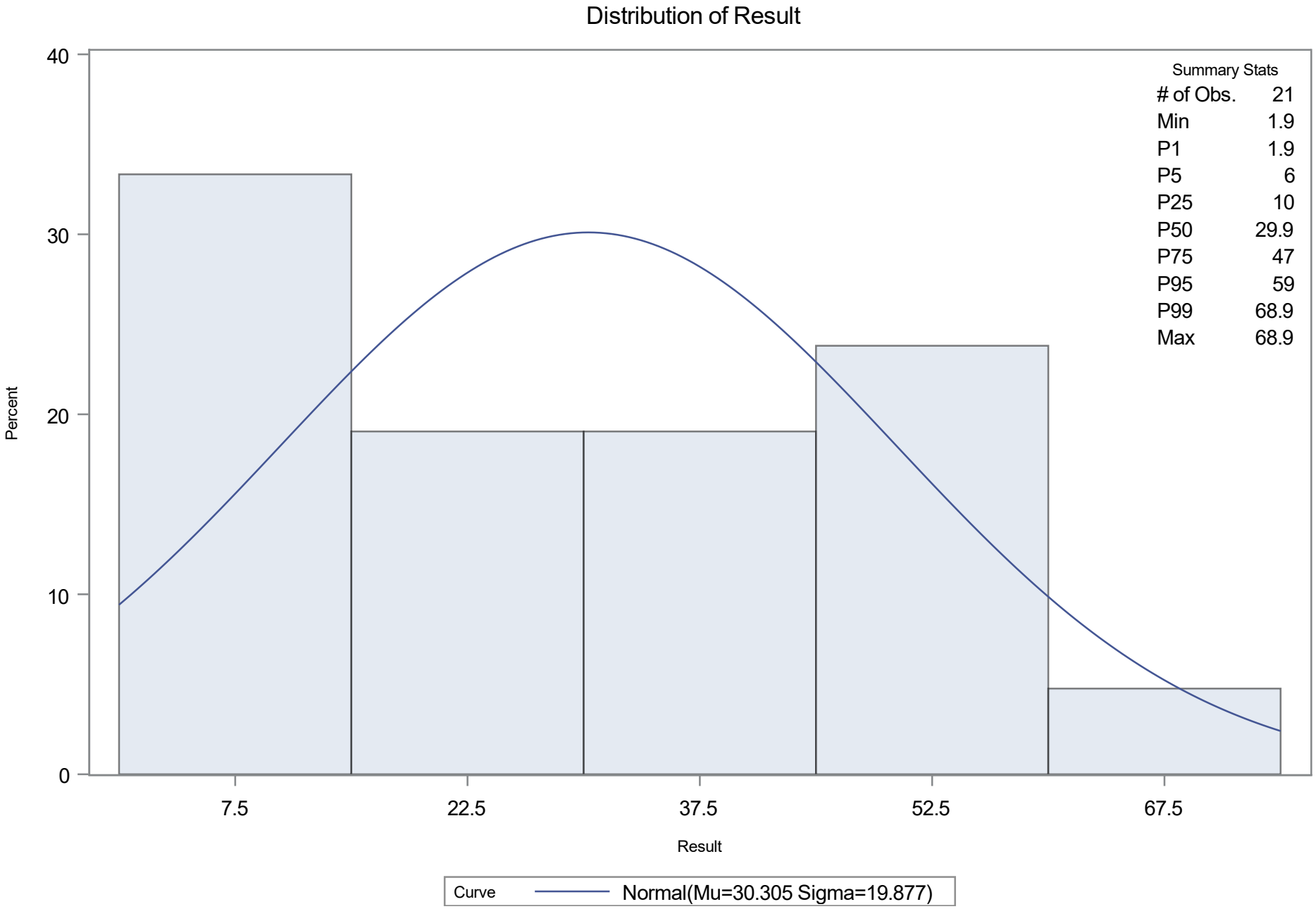
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	30.30476
Std Dev	Sigma	19.87703

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14947971	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05440937	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.39942290	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.90000	-15.93613
5.0	6.00000	-2.39005
10.0	8.80000	4.83132
25.0	10.00000	16.89791
50.0	29.90000	30.30476
75.0	47.00000	43.71162
90.0	57.70000	55.77821
95.0	59.00000	62.99957
99.0	68.90000	76.54566

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	1.90	10.00	30.30	29.90	47.00	68.90

Period of Record: January 1996 through December 2023
Analysis Days Only

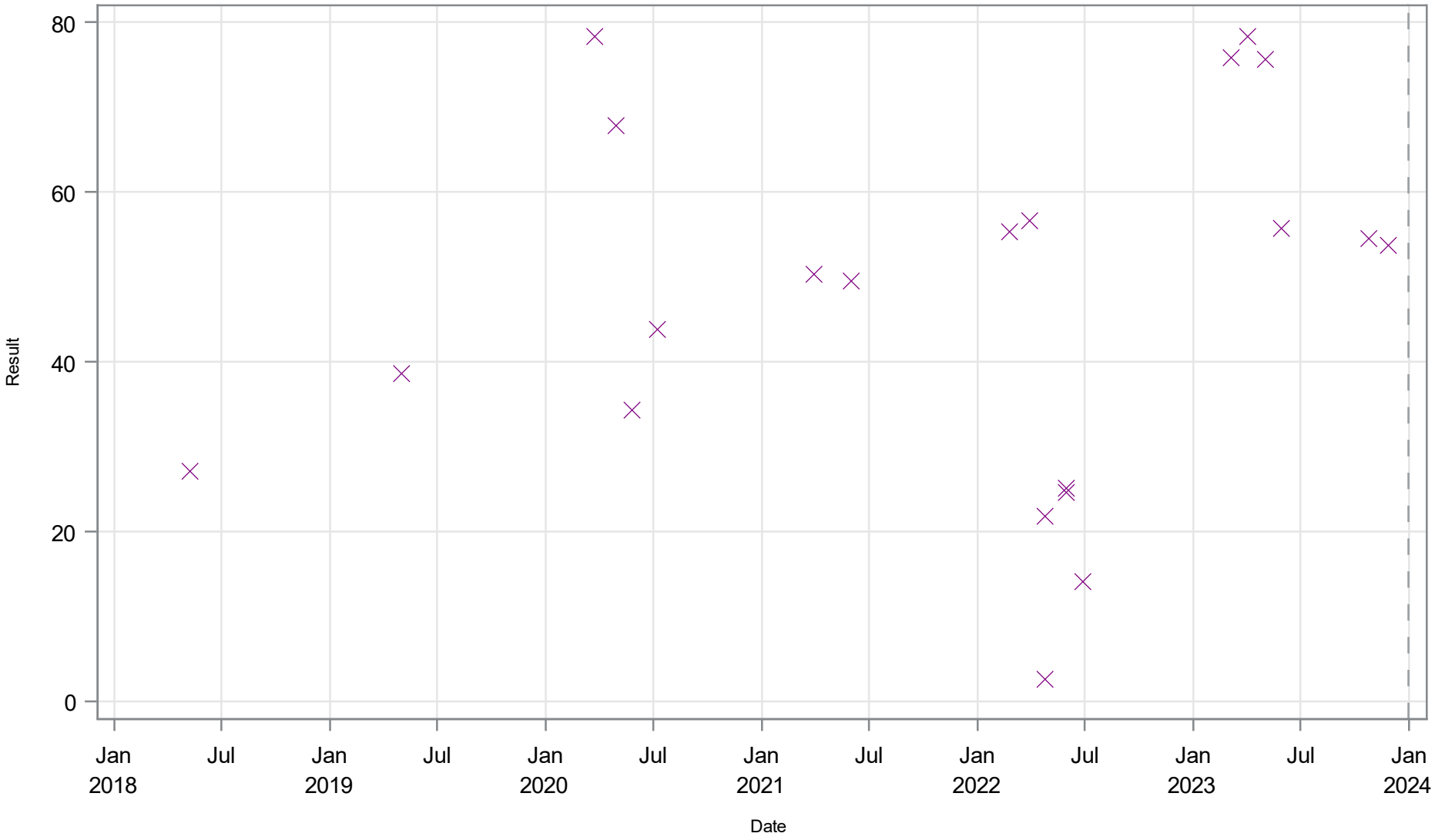
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

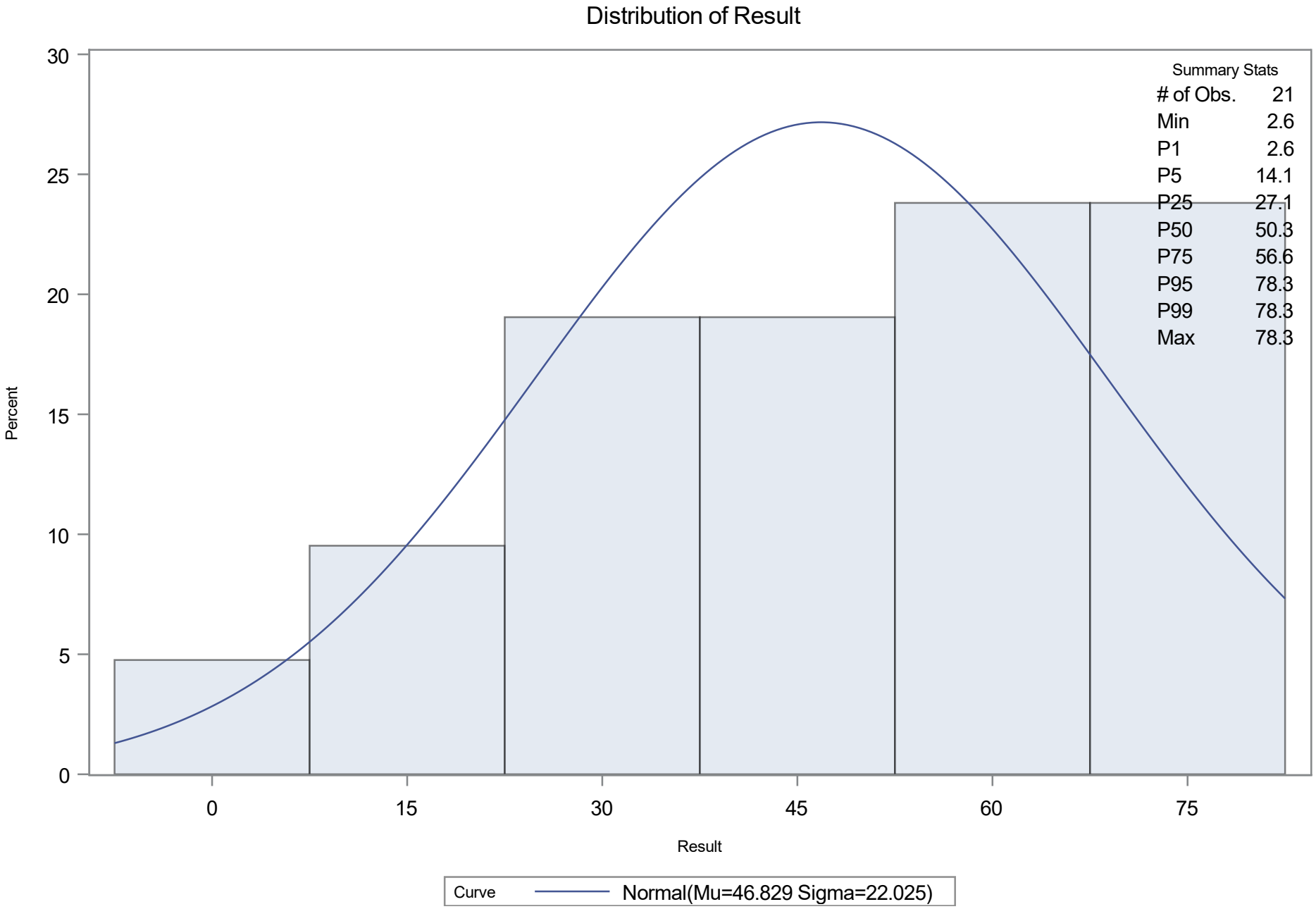
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	46.82857
Std Dev	Sigma	22.0251

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11969797	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05148017	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33895004	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.60000	-4.40948
5.0	14.10000	10.60050
10.0	21.80000	18.60227
25.0	27.10000	31.97287
50.0	50.30000	46.82857
75.0	56.60000	61.68428
90.0	75.80000	75.05488
95.0	78.30000	83.05664
99.0	78.30000	98.06662

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

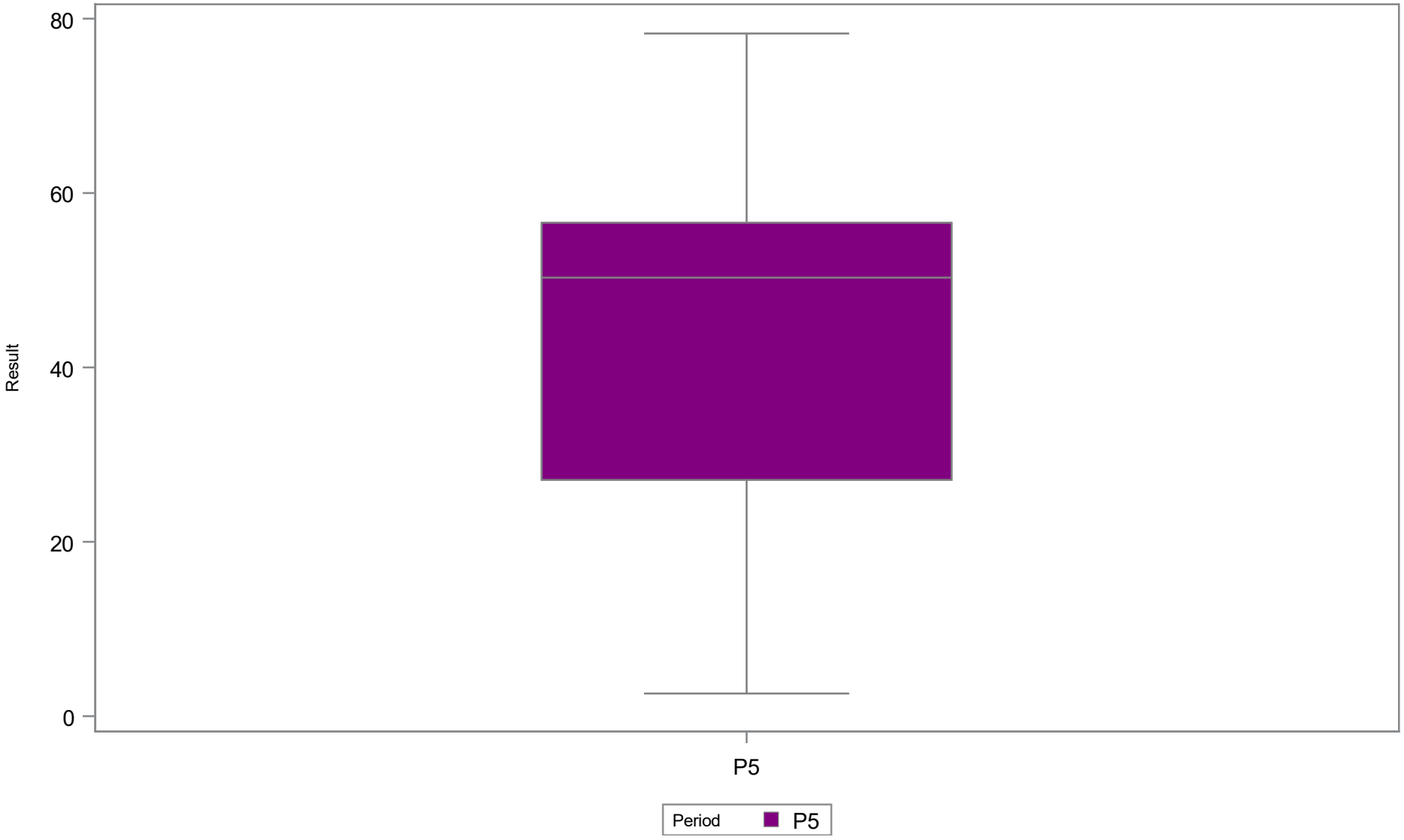
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	2.60	27.10	46.83	50.30	56.60	78.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

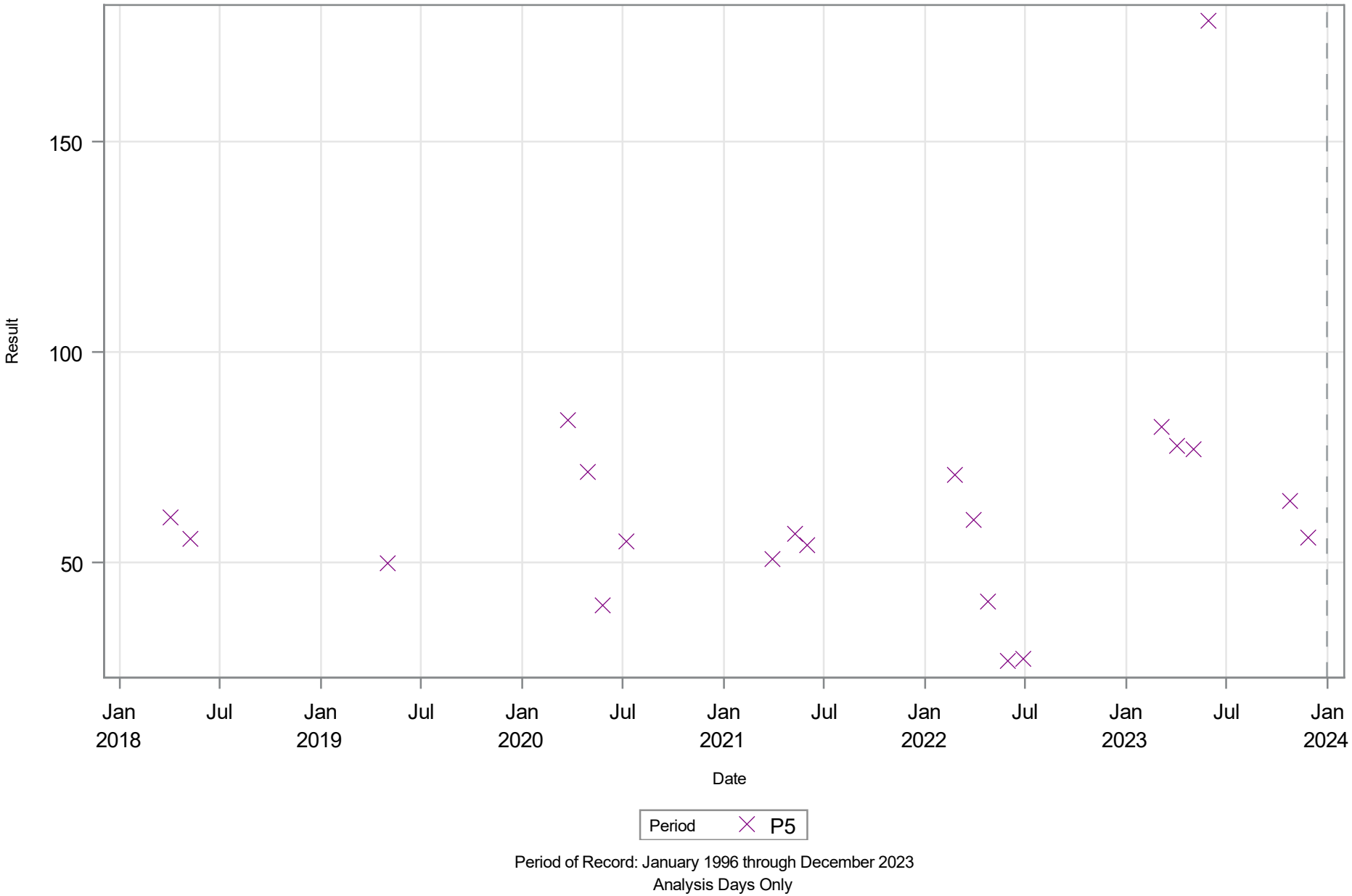
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

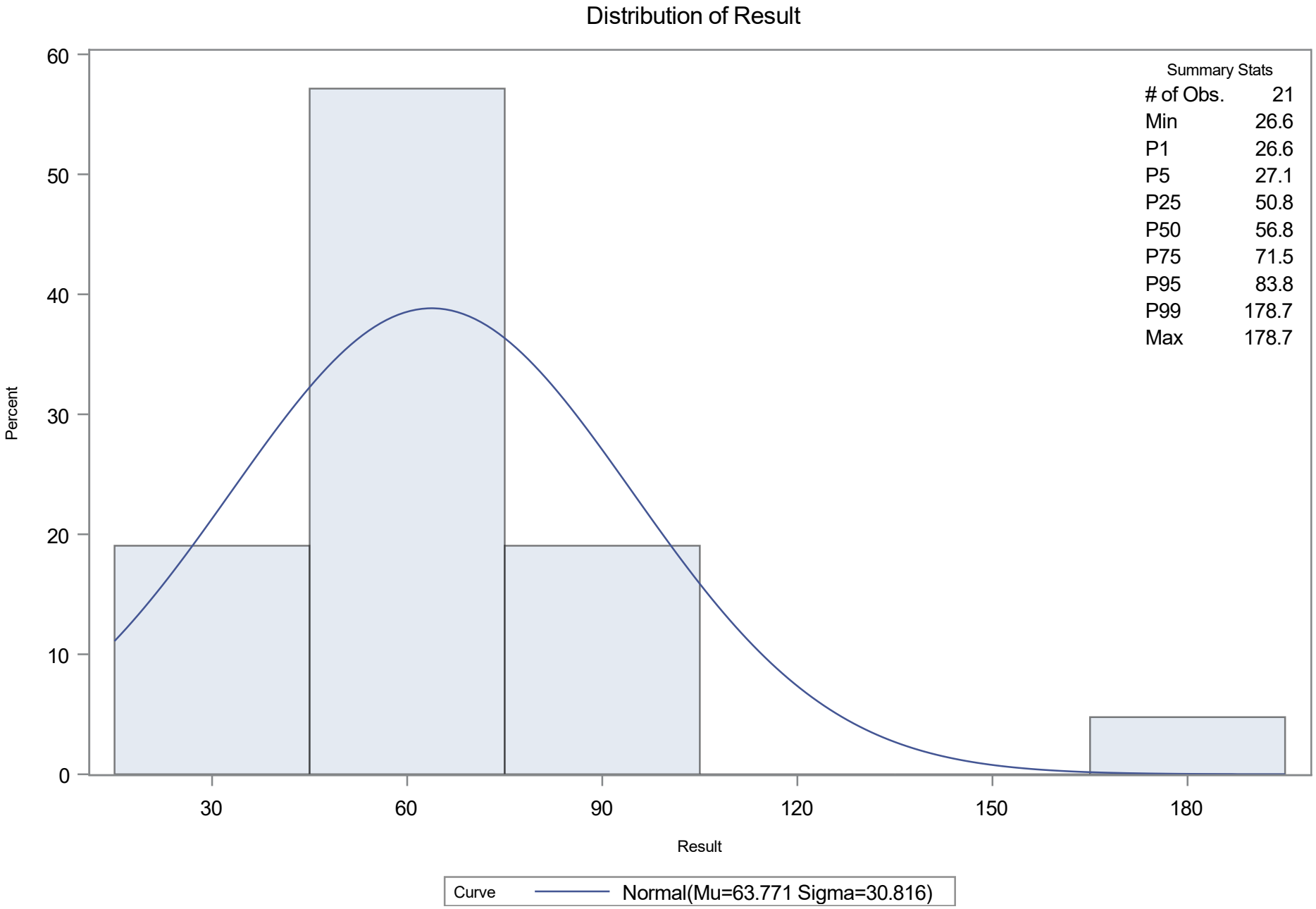
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	63.77143
Std Dev	Sigma	30.81649

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21024958	**Pr > D**	0.016
Cramer-von Mises	**W-Sq**	0.23554030	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.52430350	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	26.6000	-7.91845
5.0	27.1000	13.08281
10.0	39.8000	24.27851
25.0	50.8000	42.98602
50.0	56.8000	63.77143
75.0	71.5000	84.55684
90.0	82.2000	103.26435
95.0	83.8000	114.46005
99.0	178.7000	135.46131

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	26.60	50.80	63.77	56.80	71.50	178.70

Period of Record: January 1996 through December 2023
Analysis Days Only

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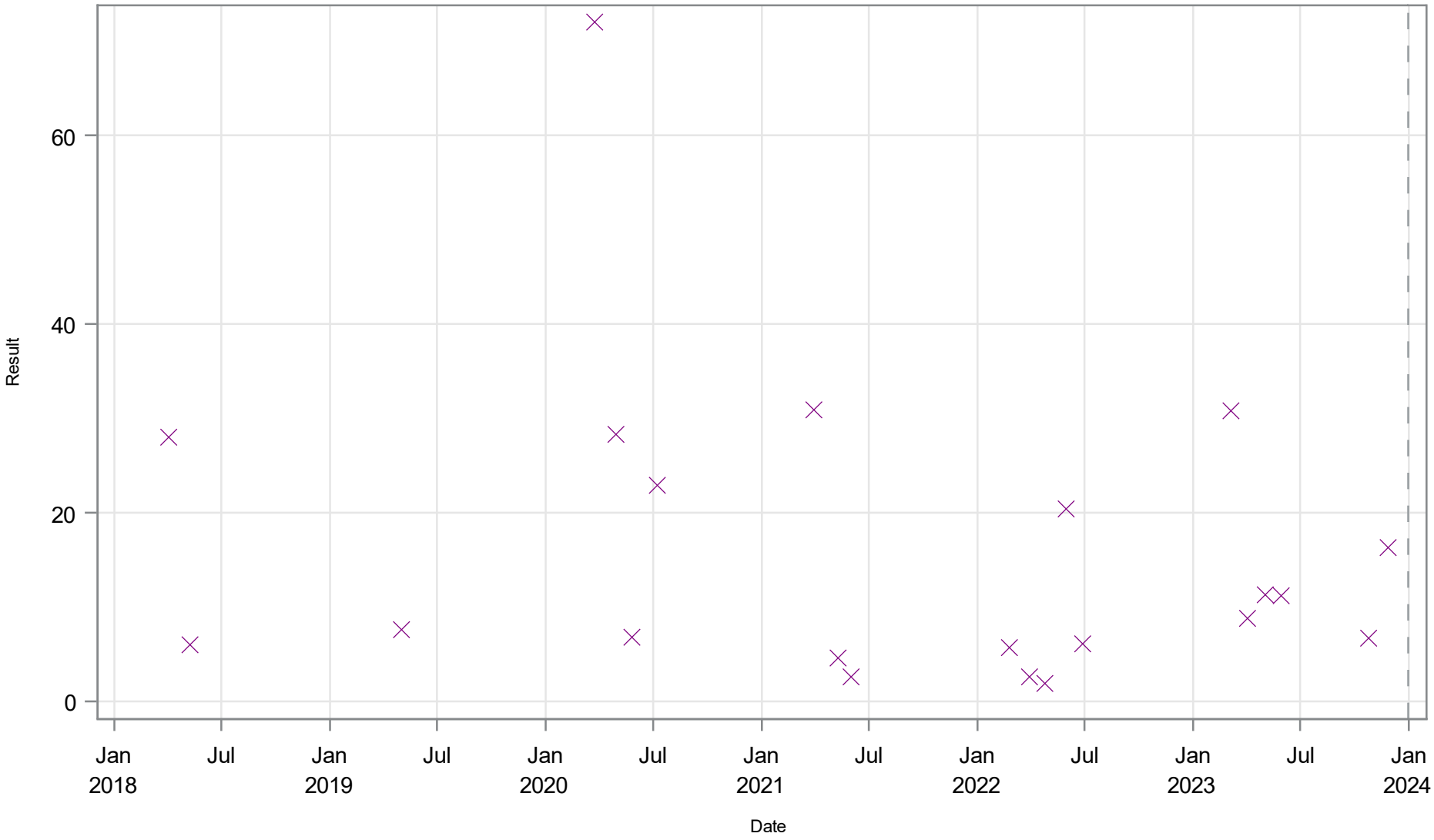
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR10 SN 800050

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

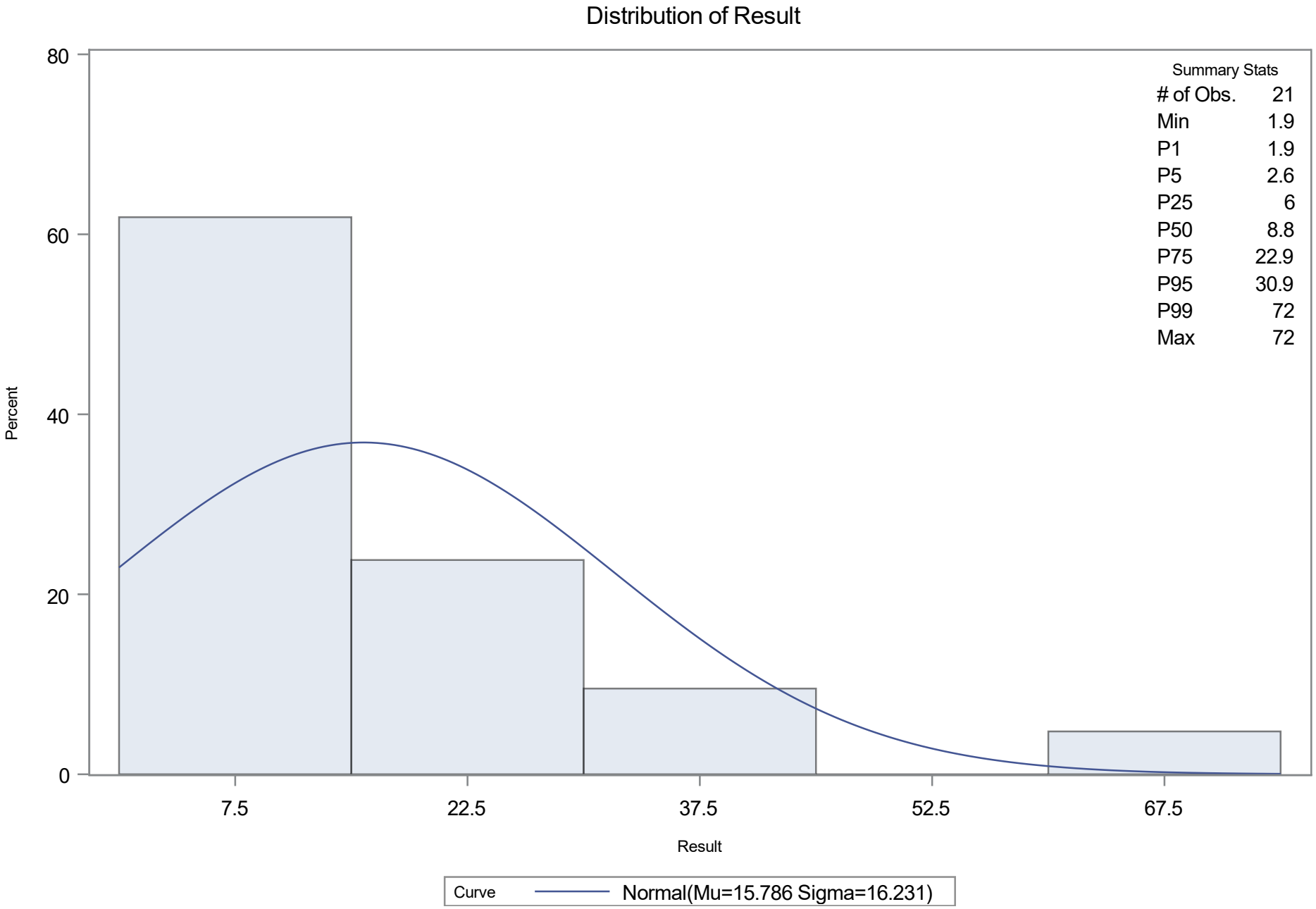
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.78571
Std Dev	Sigma	16.23127

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22791276	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25014316	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.56519048	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.90000	-21.97388
5.0	2.60000	-10.91236
10.0	2.60000	-5.01550
25.0	6.00000	4.83789
50.0	8.80000	15.78571
75.0	22.90000	26.73354
90.0	30.80000	36.58693
95.0	30.90000	42.48379
99.0	72.00000	53.54531

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

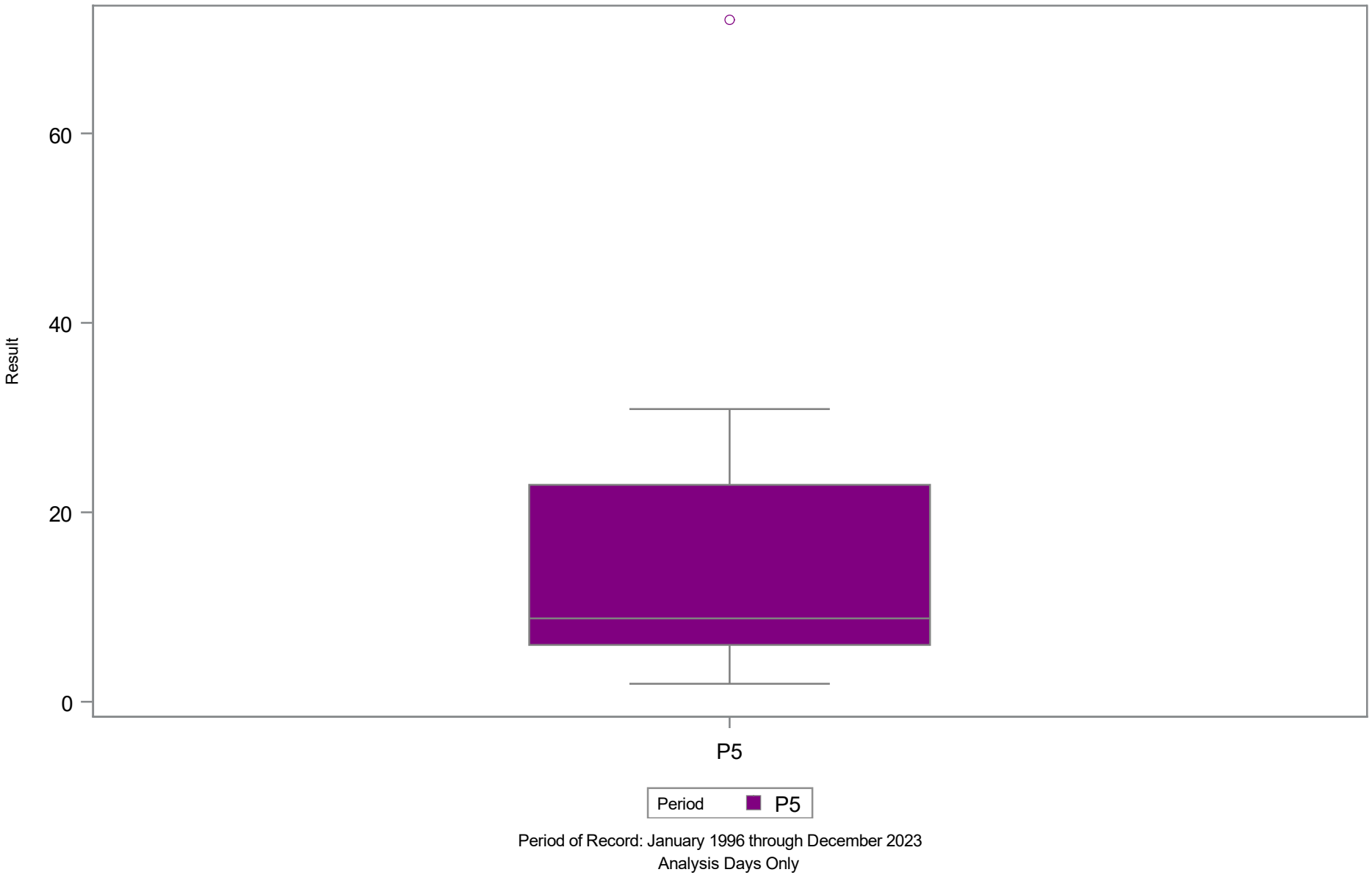
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	1.90	6.00	15.79	8.80	22.90	72.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

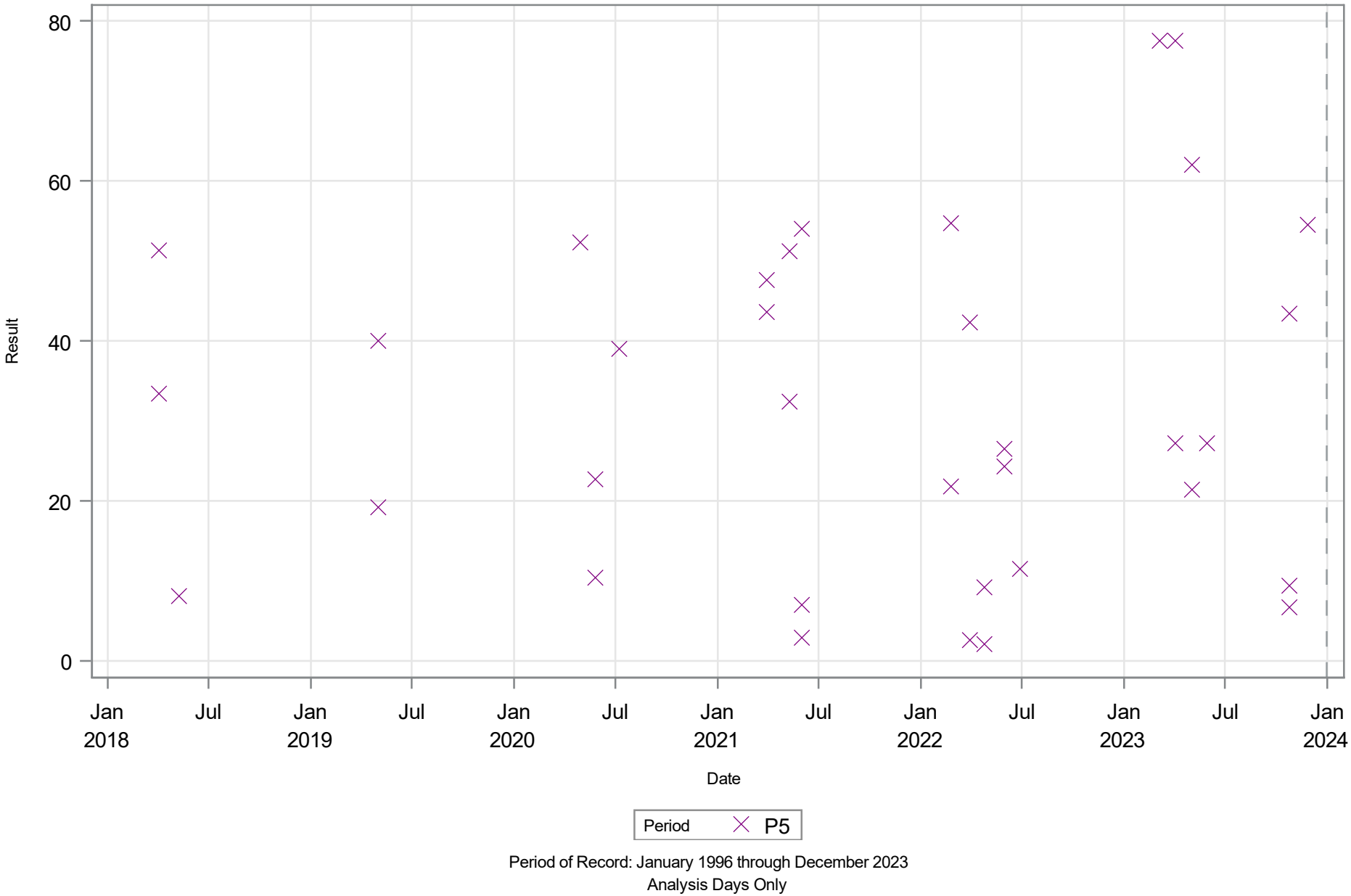
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11
SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

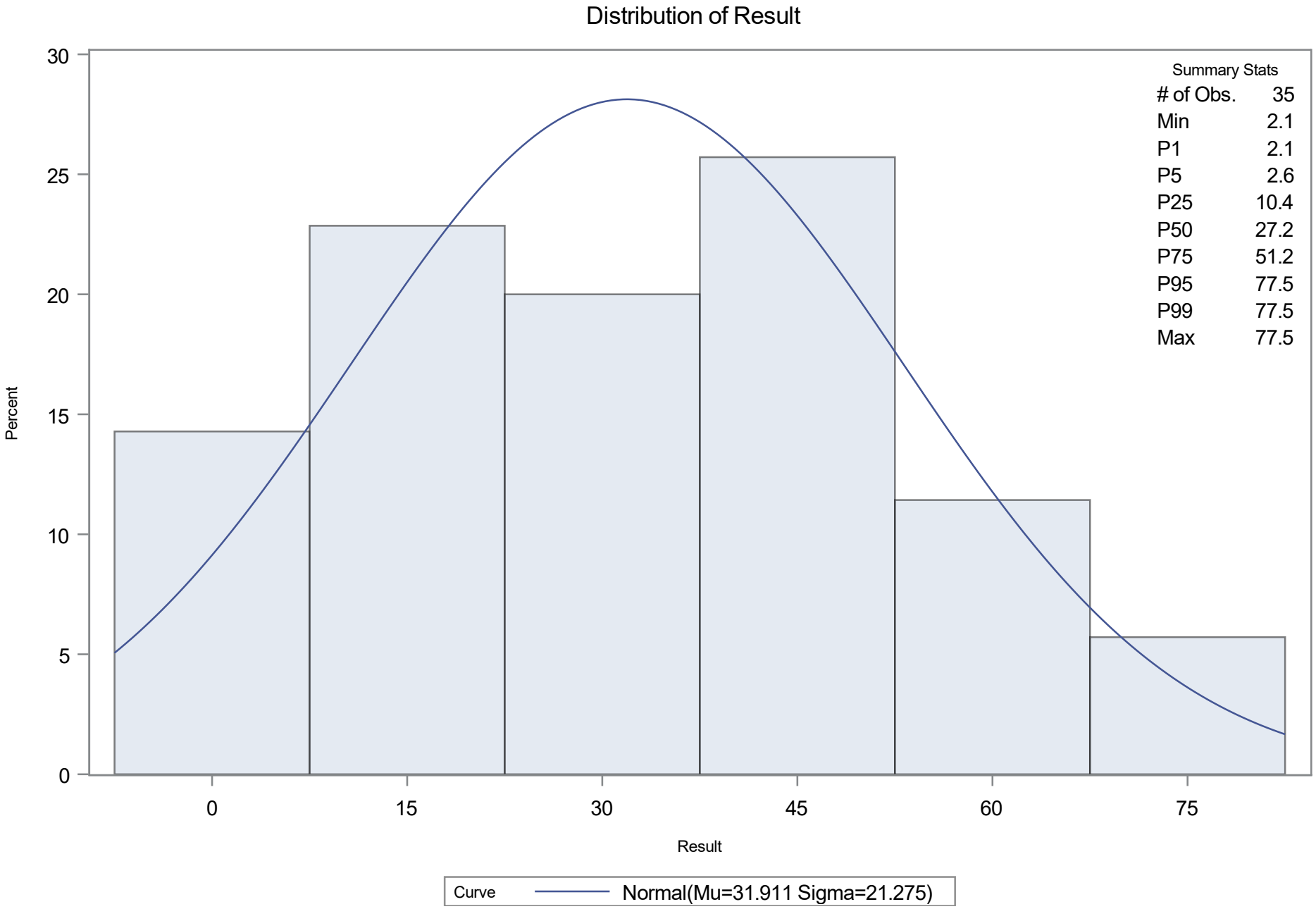
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	31.91143
Std Dev	Sigma	21.27503

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11703759	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07296277	**Pr > W-Sq**	0.250
Anderson-Darling	**A-Sq**	0.53404408	**Pr > A-Sq**	0.166

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.10000	-17.58169
5.0	2.60000	-3.08288
10.0	6.70000	4.64638
25.0	10.40000	17.56164
50.0	27.20000	31.91143
75.0	51.20000	46.26122
90.0	54.70000	59.17648
95.0	77.50000	66.90574
99.0	77.50000	81.40455

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	35	2.10	10.40	31.91	27.20	51.20	77.50

Period of Record: January 1996 through December 2023
Analysis Days Only

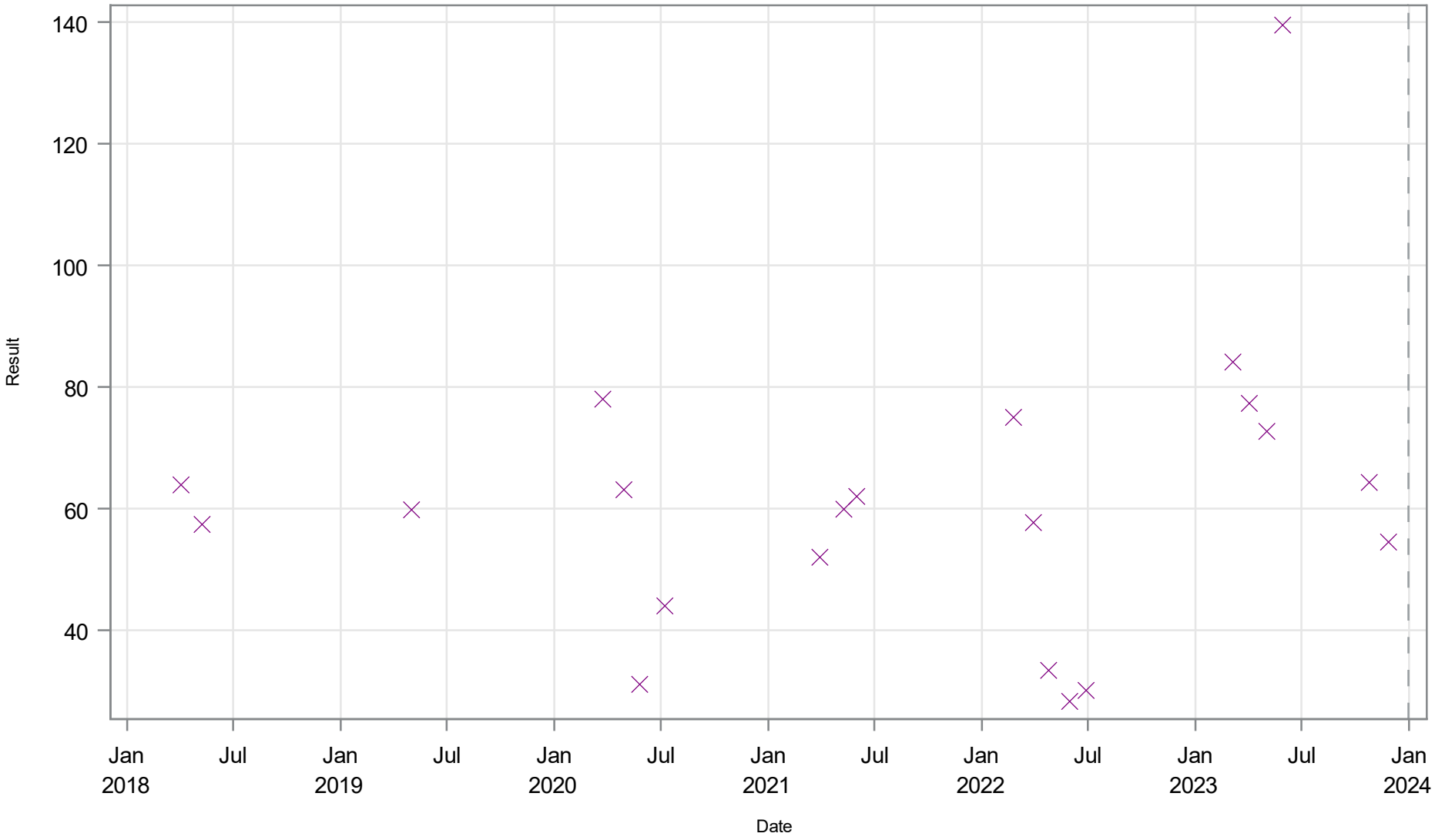
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

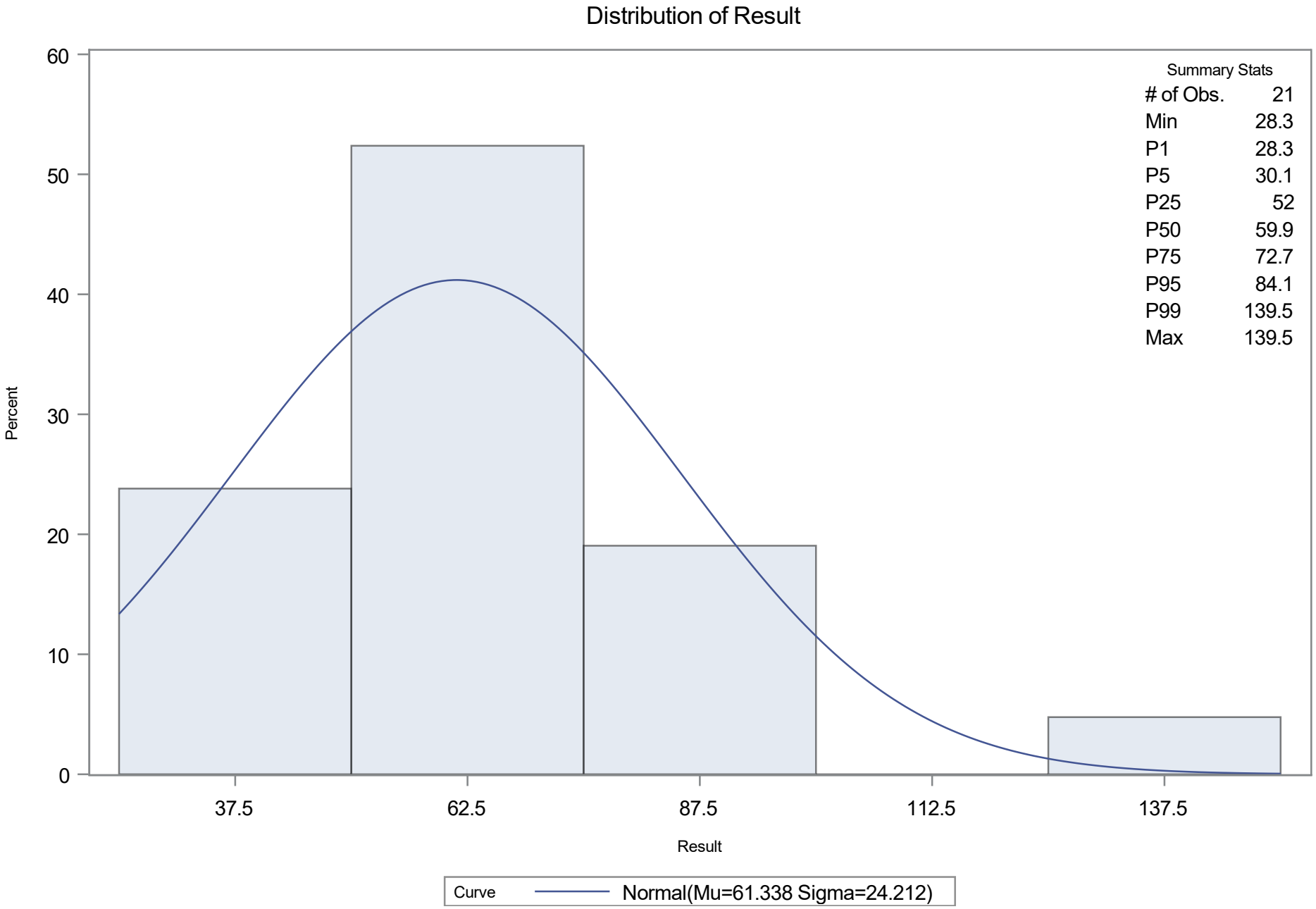
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	61.3381
Std Dev	Sigma	24.21195

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16560362	**Pr > D**	0.135
Cramer-von Mises	**W-Sq**	0.11281079	**Pr > W-Sq**	0.074
Anderson-Darling	**A-Sq**	0.79103152	**Pr > A-Sq**	0.035

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	28.3000	5.01268
5.0	30.1000	21.51298
10.0	31.1000	30.30923
25.0	52.0000	45.00738
50.0	59.9000	61.33810
75.0	72.7000	77.66881
90.0	78.0000	92.36696
95.0	84.1000	101.16321
99.0	139.5000	117.66351

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	28.30	52.00	61.34	59.90	72.70	139.50

Period of Record: January 1996 through December 2023
Analysis Days Only

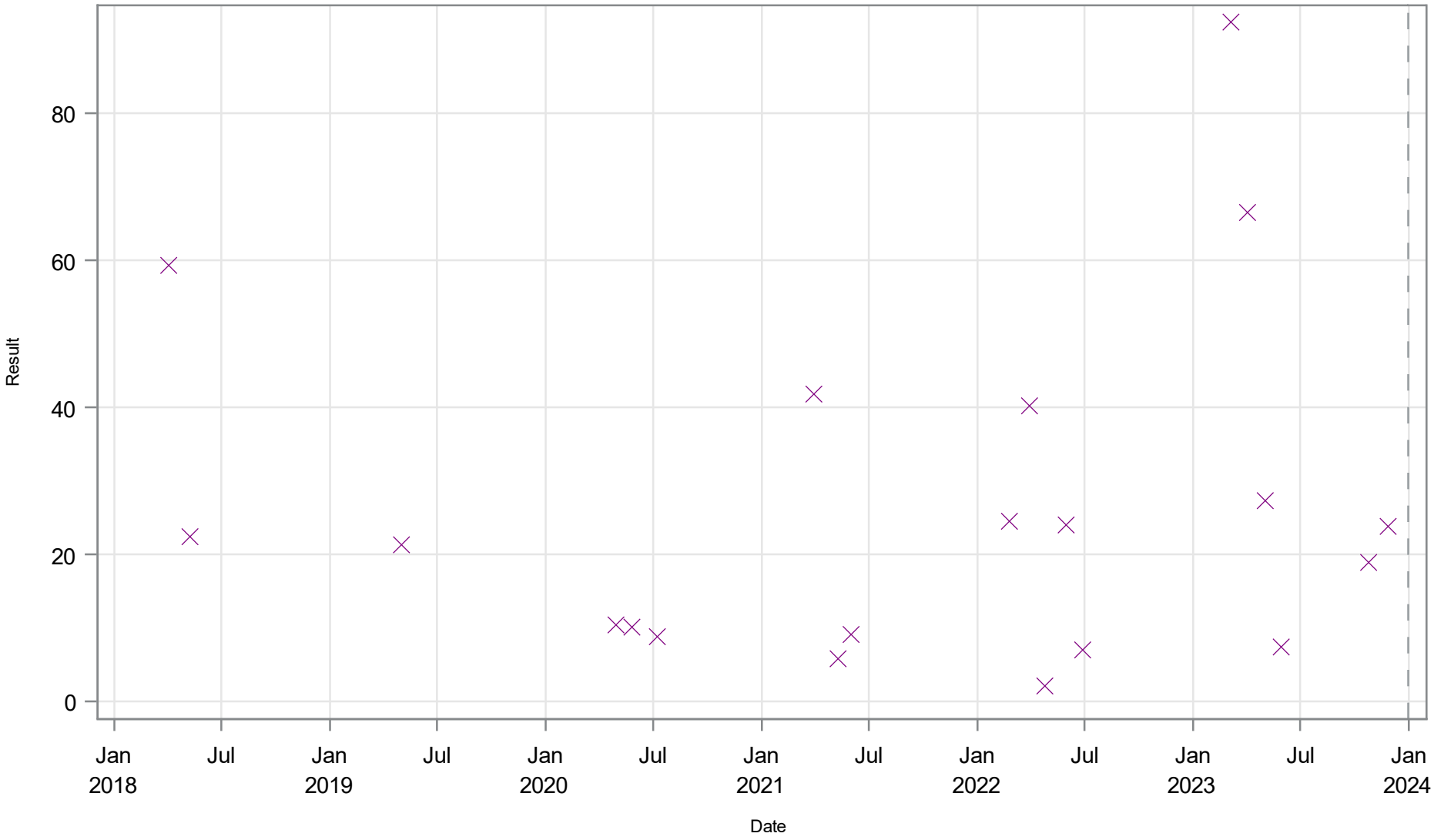
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR11 SN 800052

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

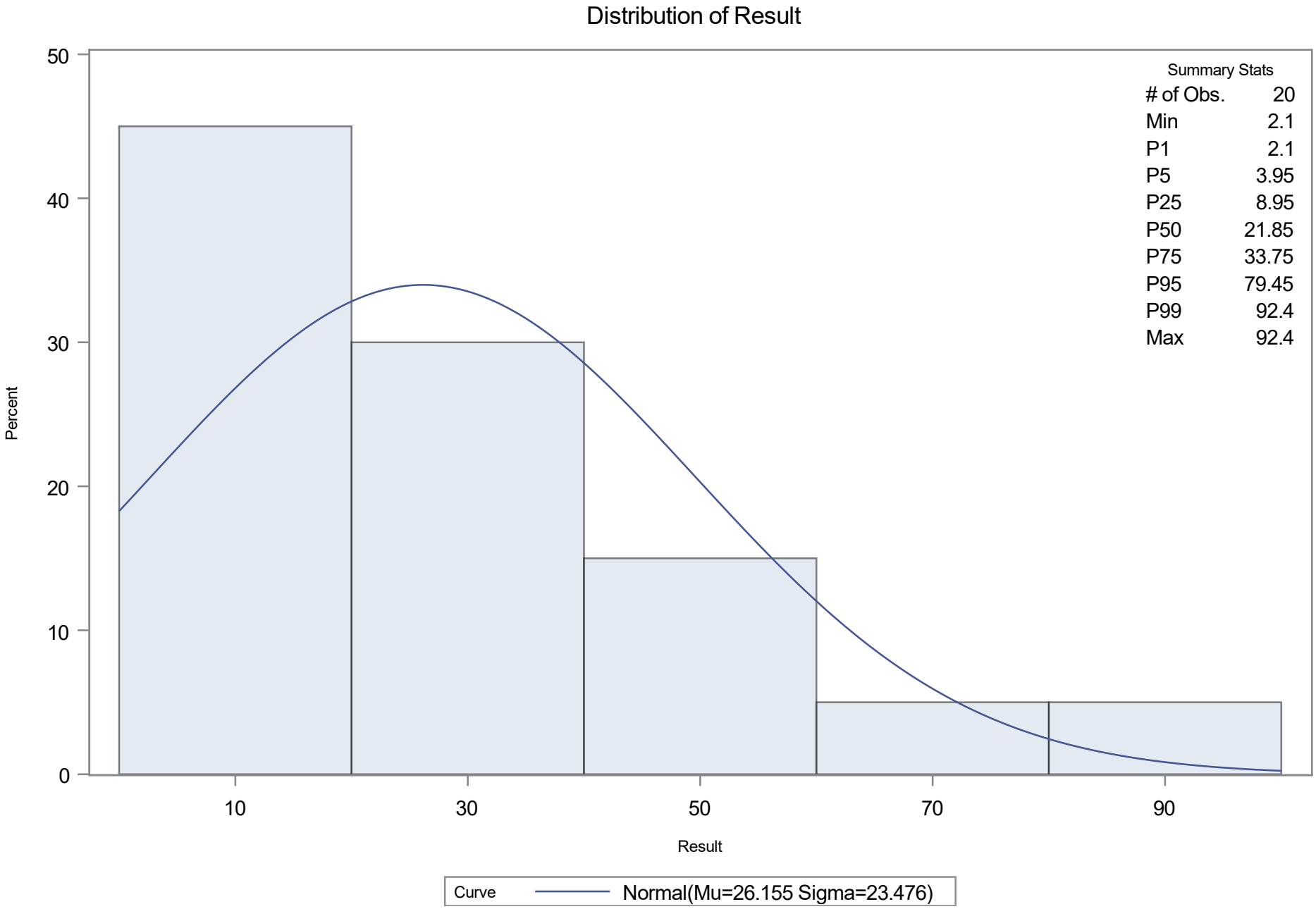
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.155
Std Dev	Sigma	23.4756

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23054968	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21392332	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.22996971	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.10000	-28.45741
5.0	3.95000	-12.45892
10.0	6.40000	-3.93019
25.0	8.95000	10.32095
50.0	21.85000	26.15500
75.0	33.75000	41.98905
90.0	62.90000	56.24019
95.0	79.45000	64.76892
99.0	92.40000	80.76741

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

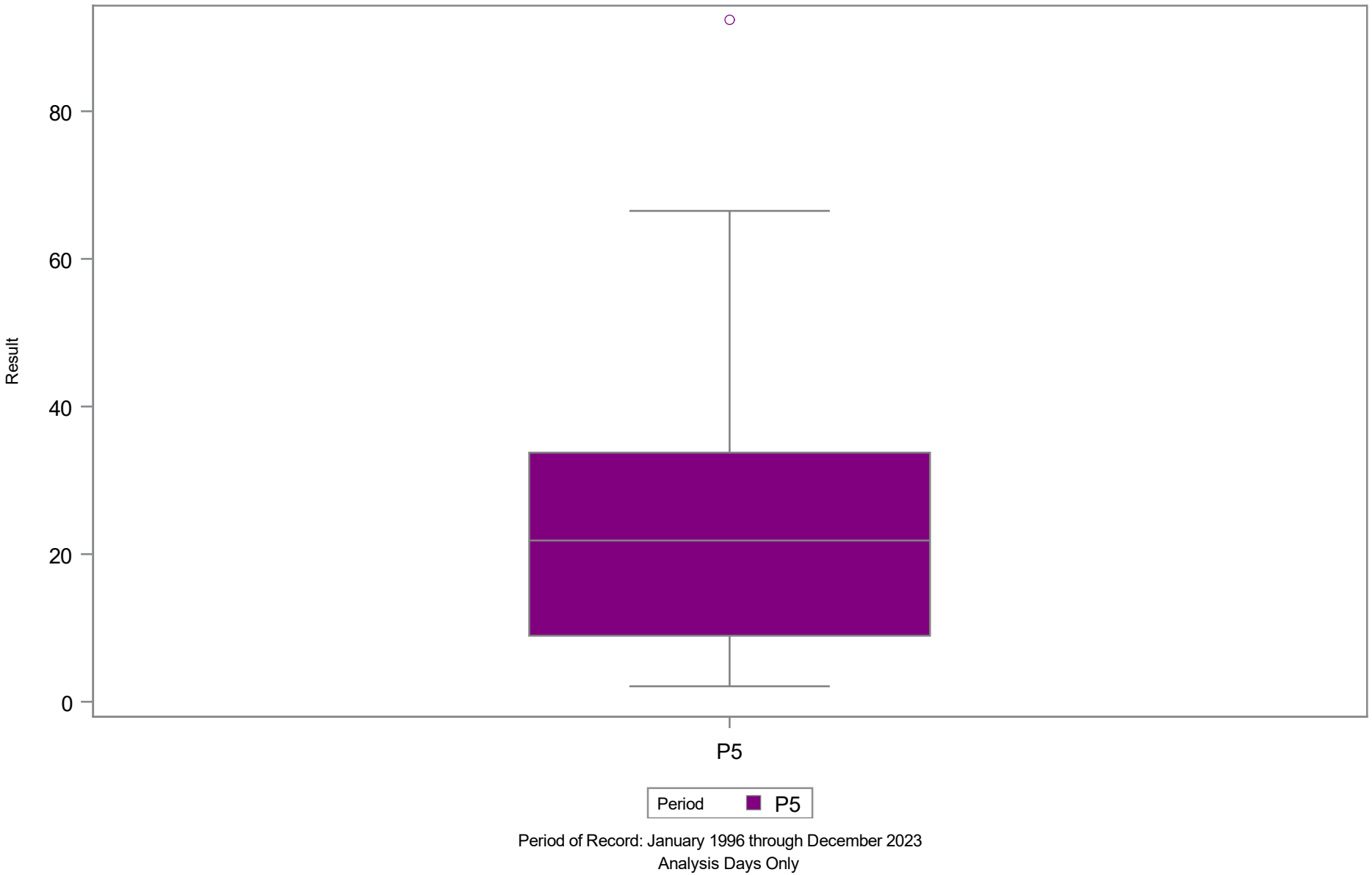
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	20	2.10	8.95	26.16	21.85	33.75	92.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

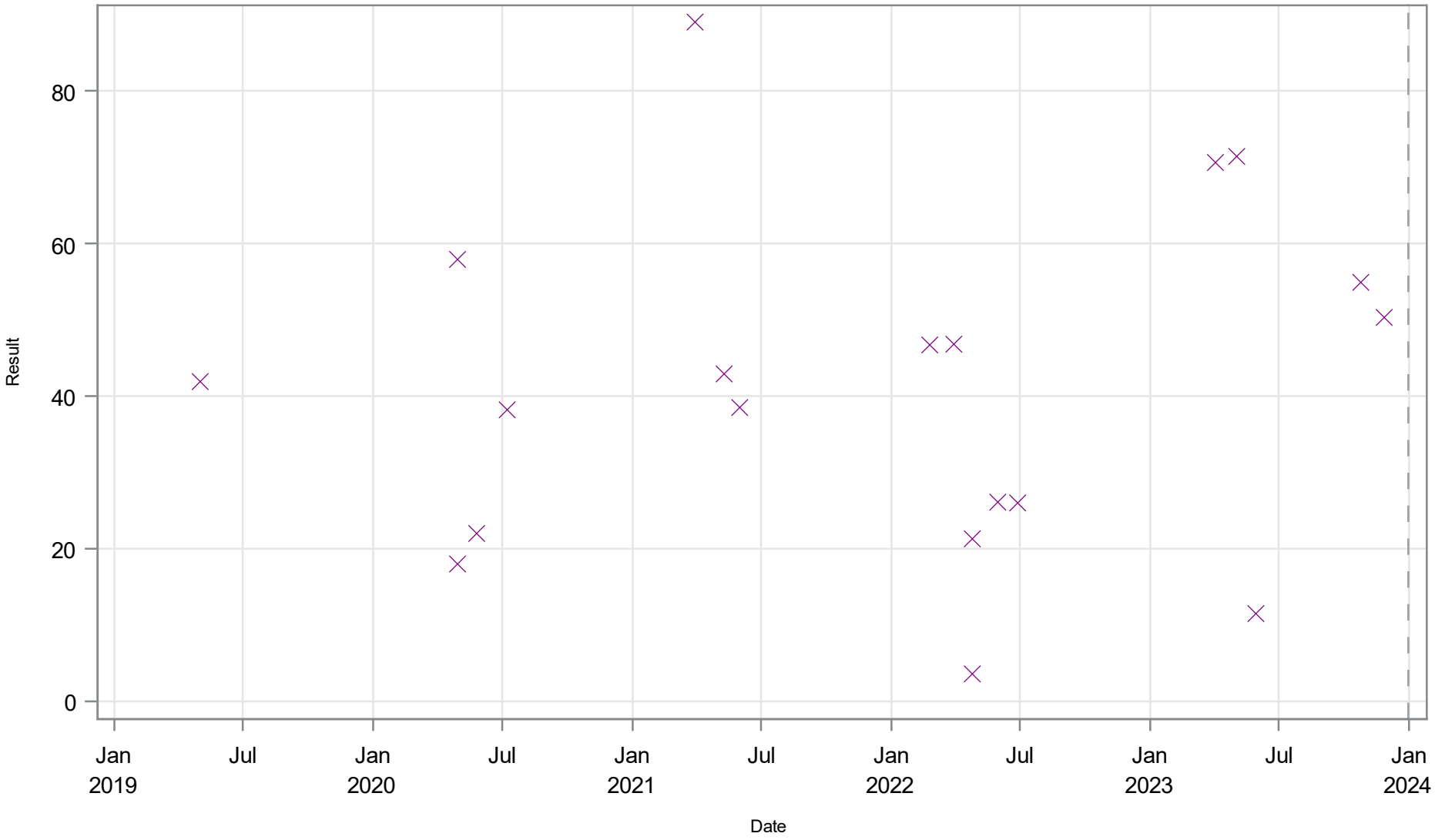
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12
SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

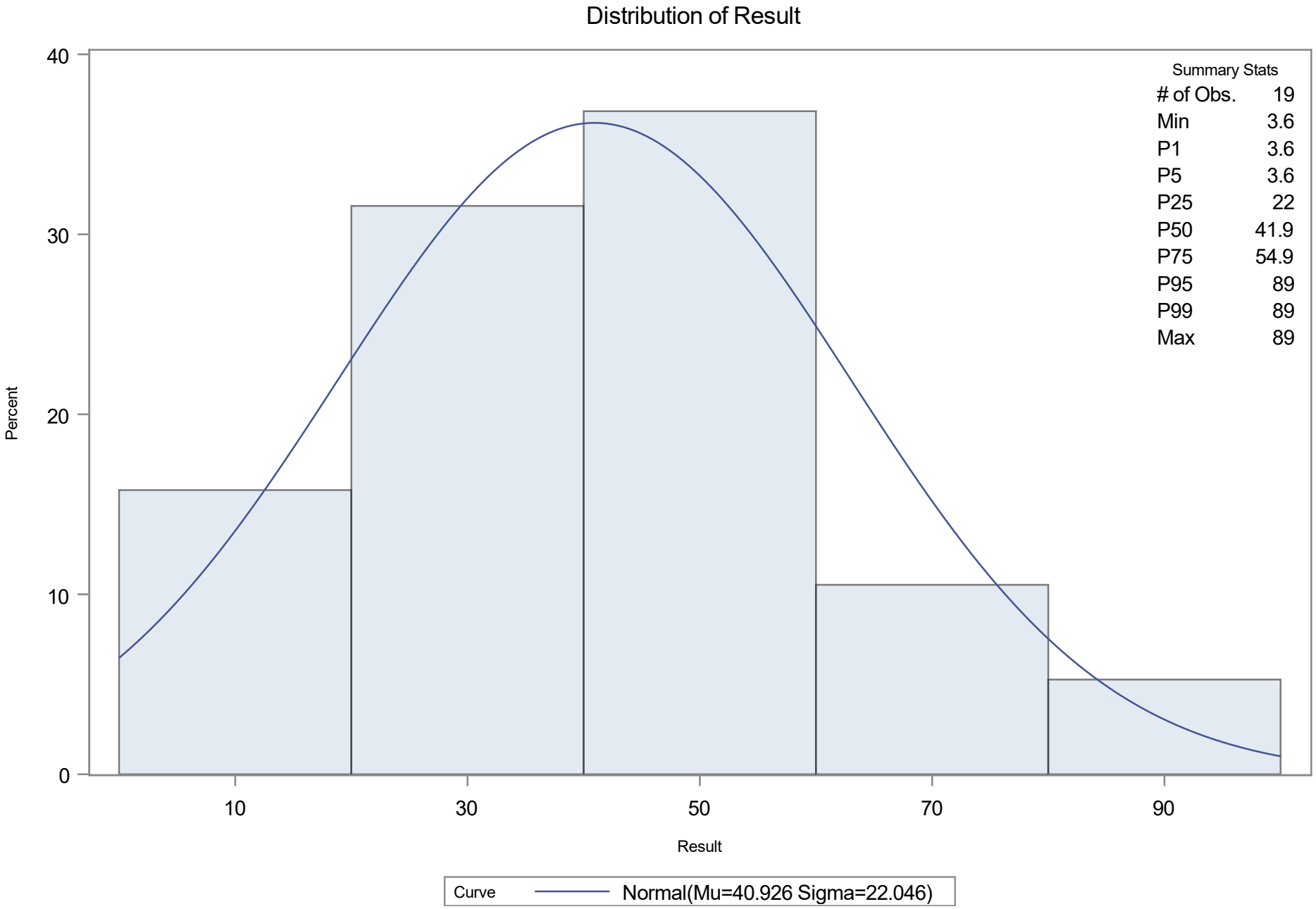
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	40.92632
Std Dev	Sigma	22.04576

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11779619	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02961543	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19682469	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.60000	-10.35978
5.0	3.60000	4.66427
10.0	11.50000	12.67354
25.0	22.00000	26.05668
50.0	41.90000	40.92632
75.0	54.90000	55.79595
90.0	71.40000	69.17909
95.0	89.00000	77.18836
99.0	89.00000	92.21241

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

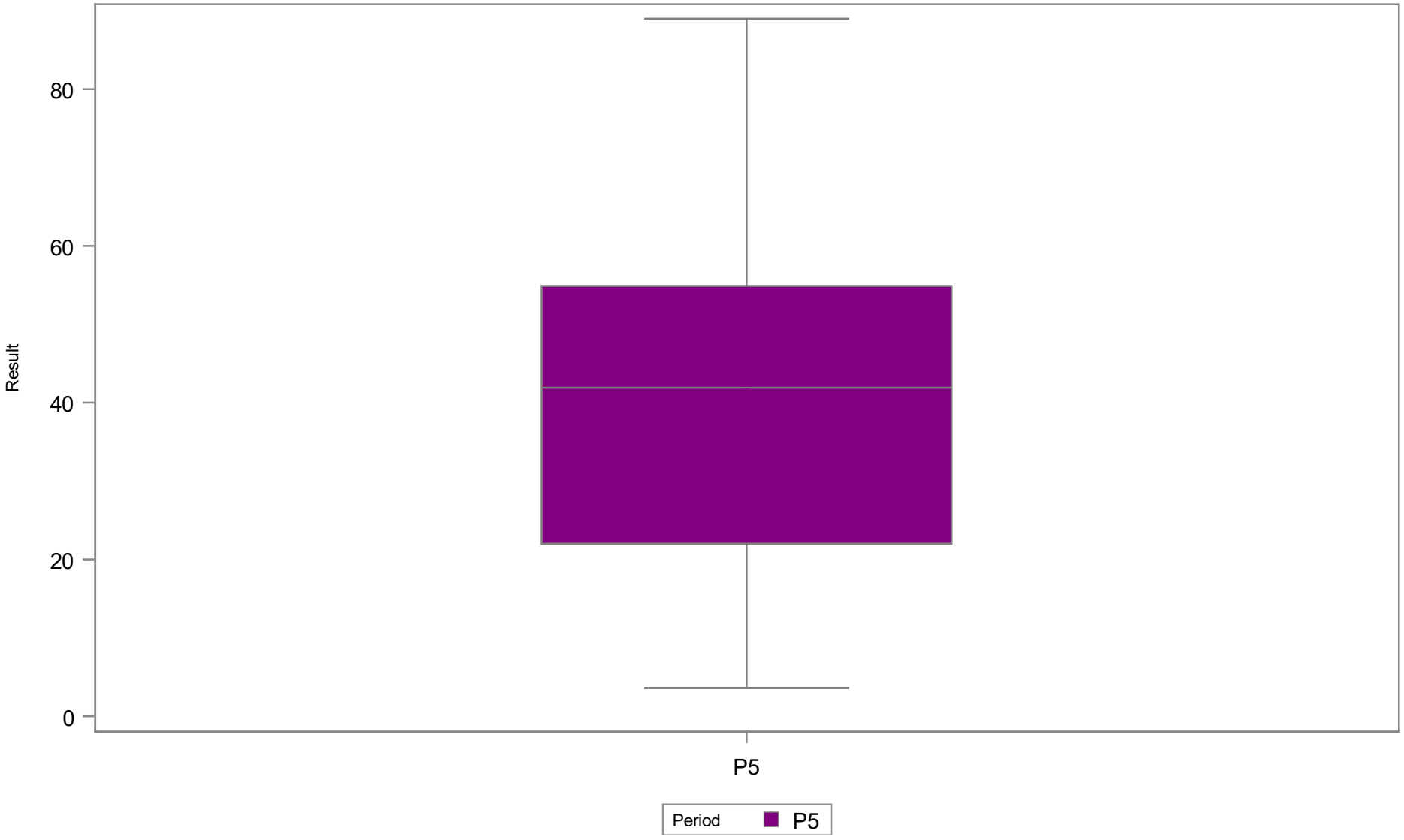
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	19	3.60	22.00	40.93	41.90	54.90	89.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

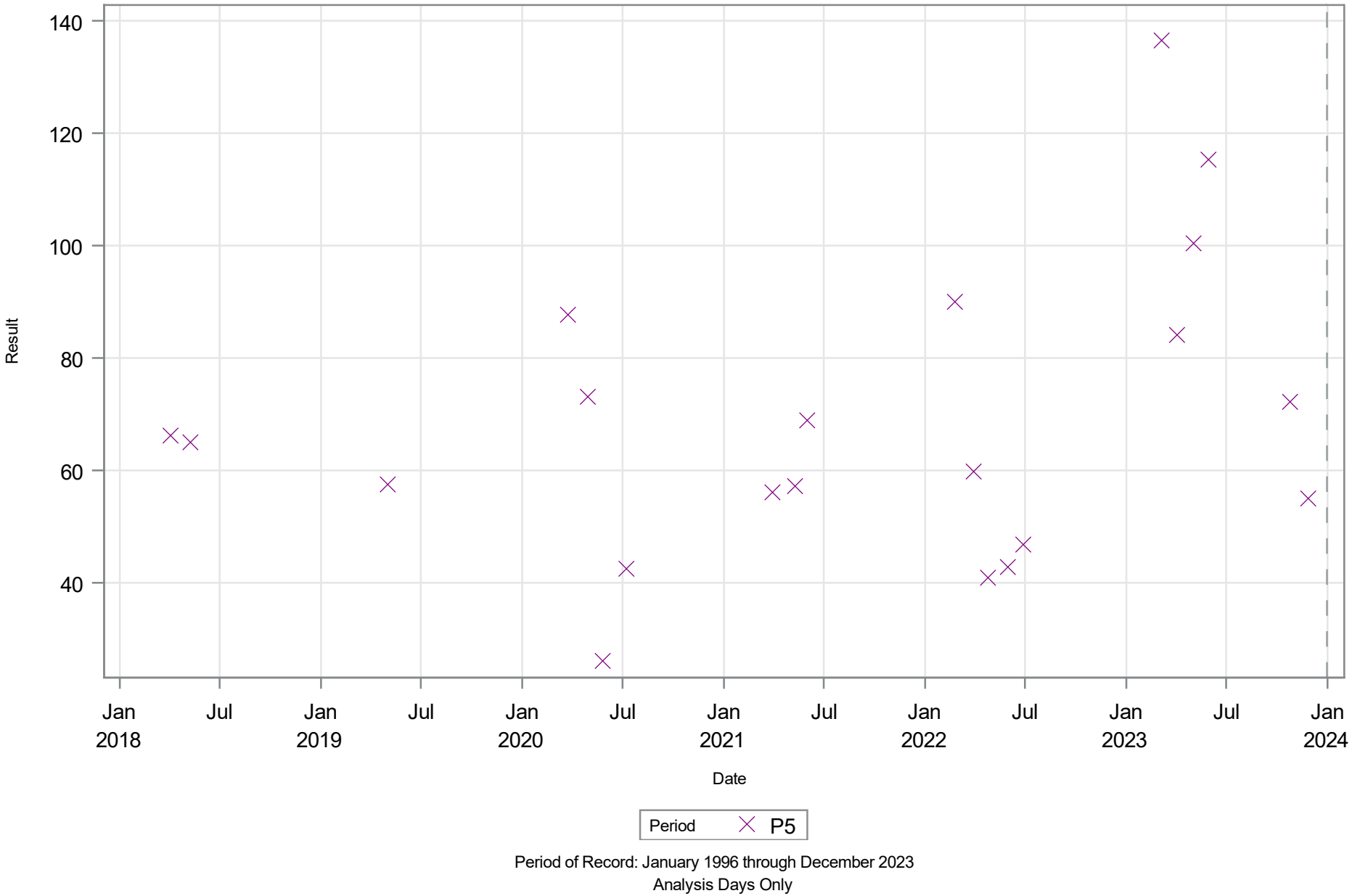
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

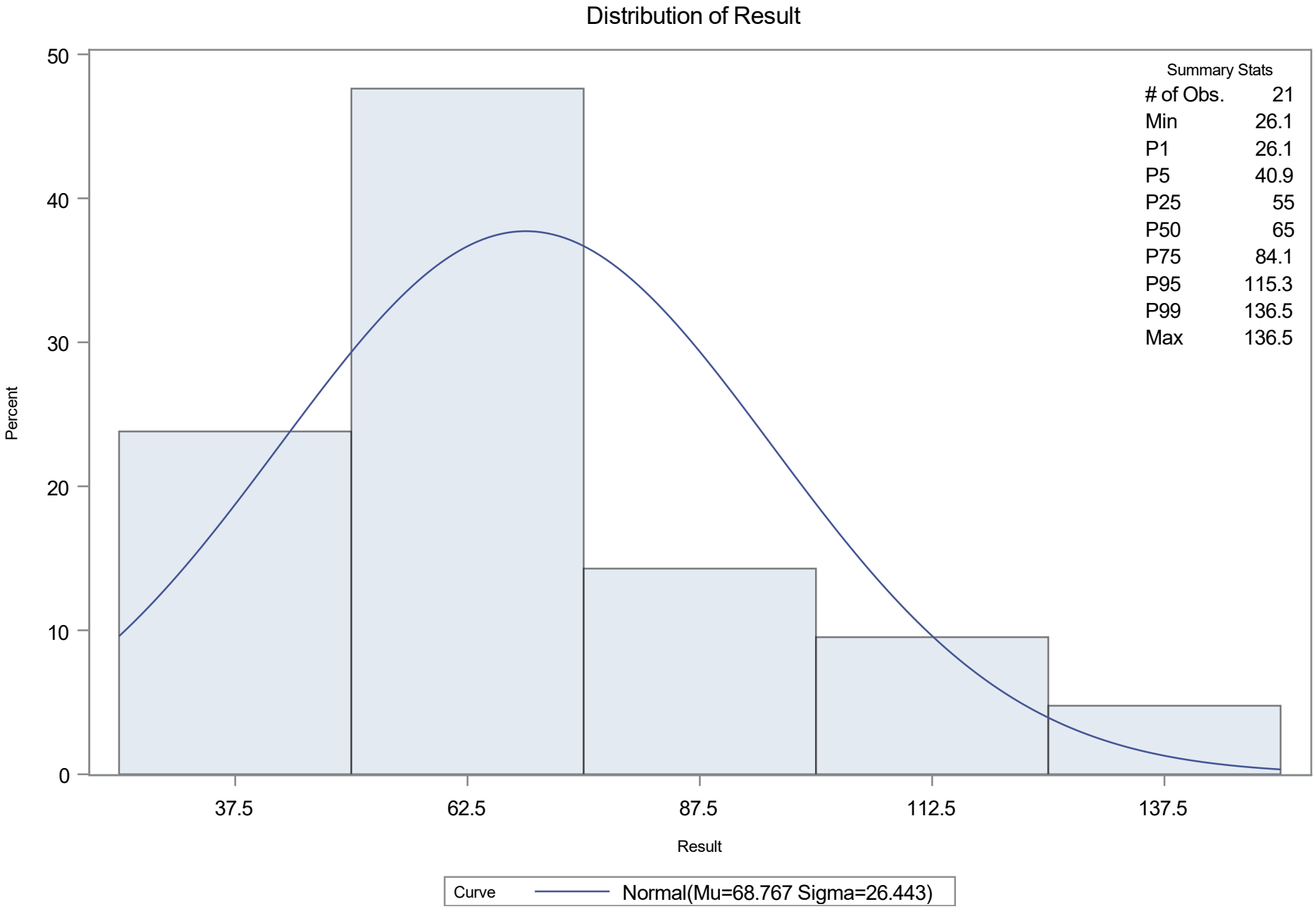
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	68.76667
Std Dev	Sigma	26.44281

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14920023	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07424785	**Pr > W-Sq**	0.238
Anderson-Darling	**A-Sq**	0.44744948	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	26.1000	7.25149
5.0	40.9000	25.27211
10.0	42.5000	34.87884
25.0	55.0000	50.93126
50.0	65.0000	68.76667
75.0	84.1000	86.60207
90.0	100.4000	102.65449
95.0	115.3000	112.26122
99.0	136.5000	130.28185

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	26.10	55.00	68.77	65.00	84.10	136.50

Period of Record: January 1996 through December 2023
Analysis Days Only

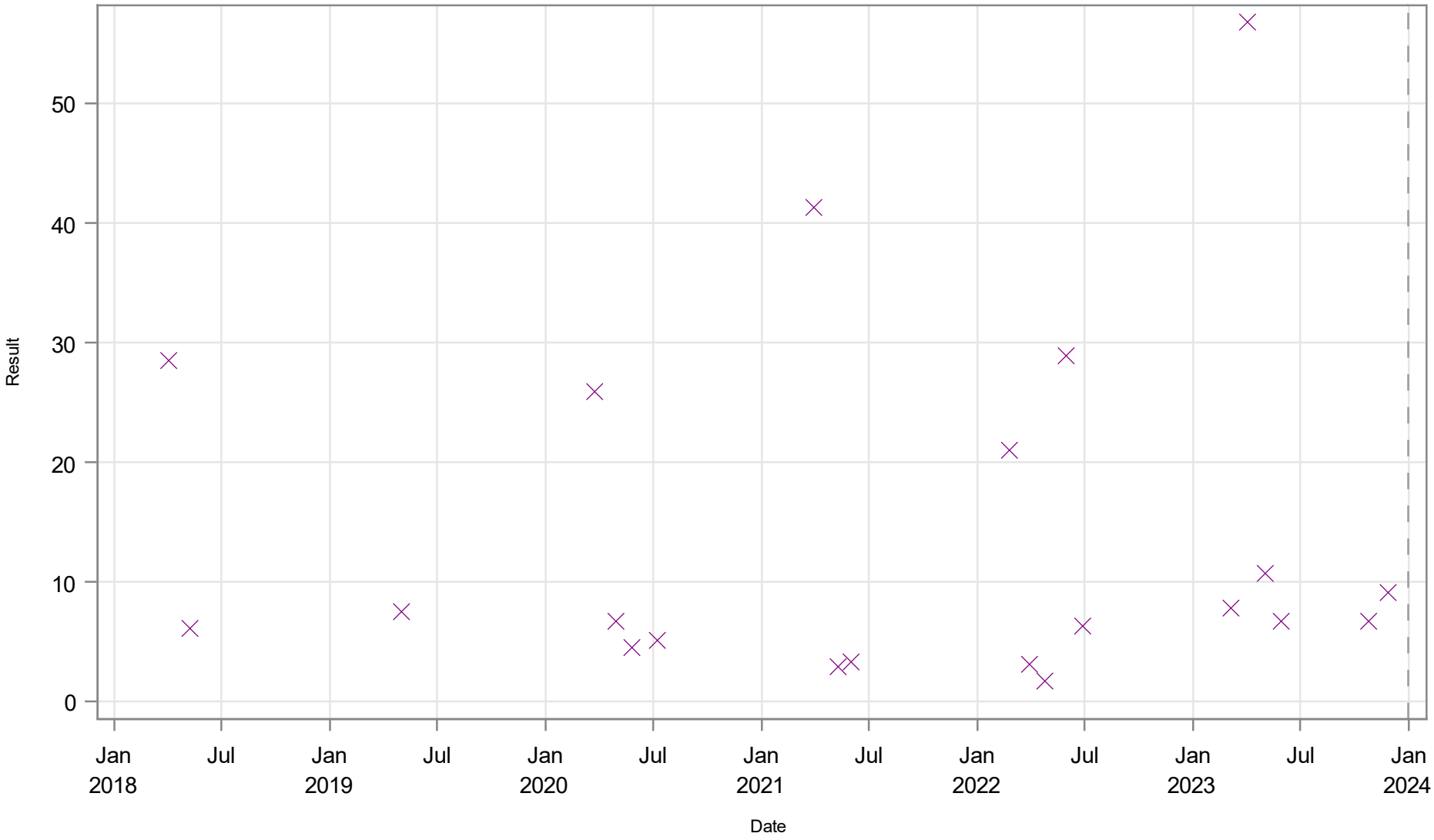
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR12 SN 800053

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

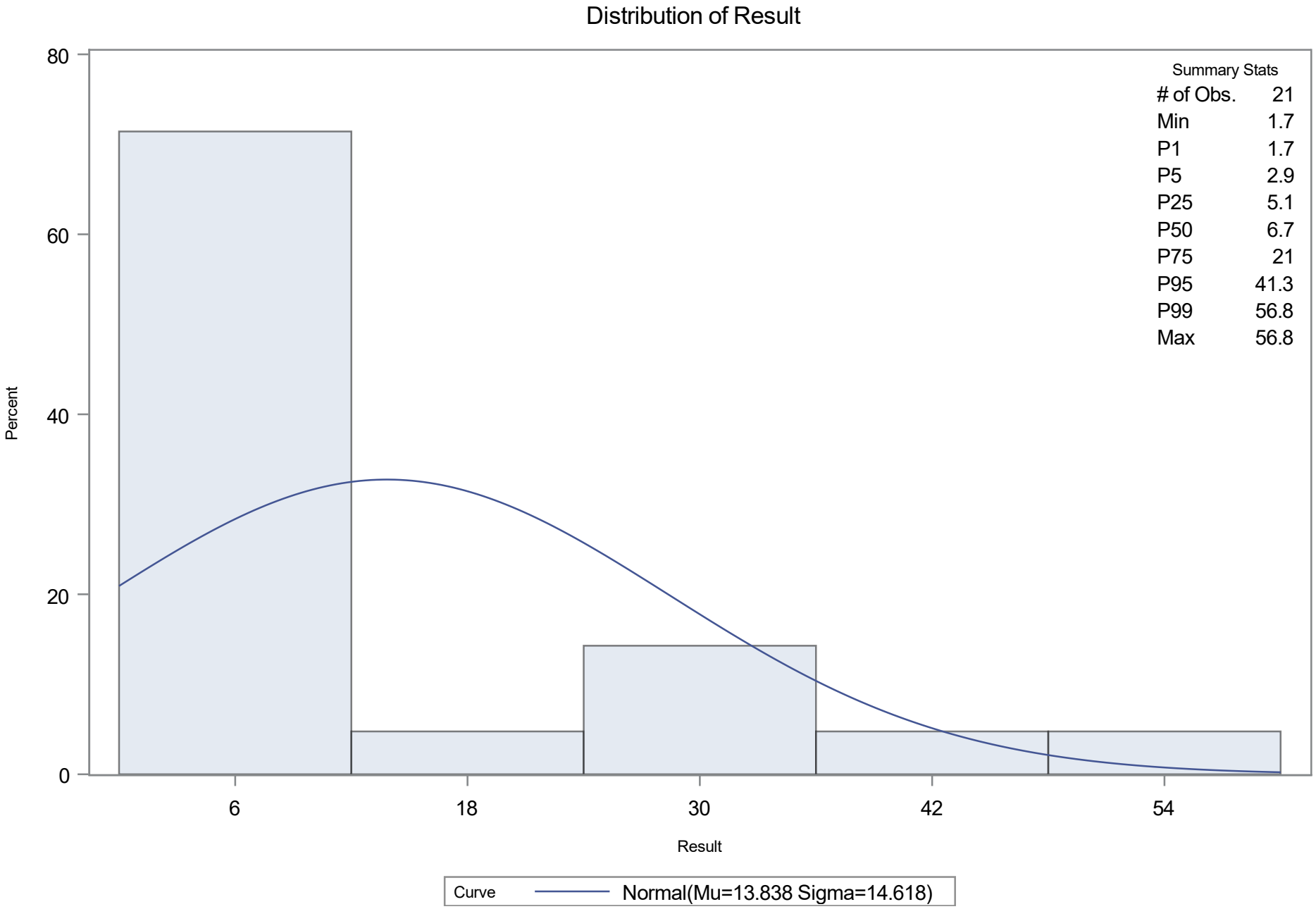
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.8381
Std Dev	Sigma	14.61826

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29927324	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.41256868	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.14497126	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.70000	-20.16906
5.0	2.90000	-10.20680
10.0	3.10000	-4.89596
25.0	5.10000	3.97823
50.0	6.70000	13.83810
75.0	21.00000	23.69796
90.0	28.90000	32.57215
95.0	41.30000	37.88299
99.0	56.80000	47.84525

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

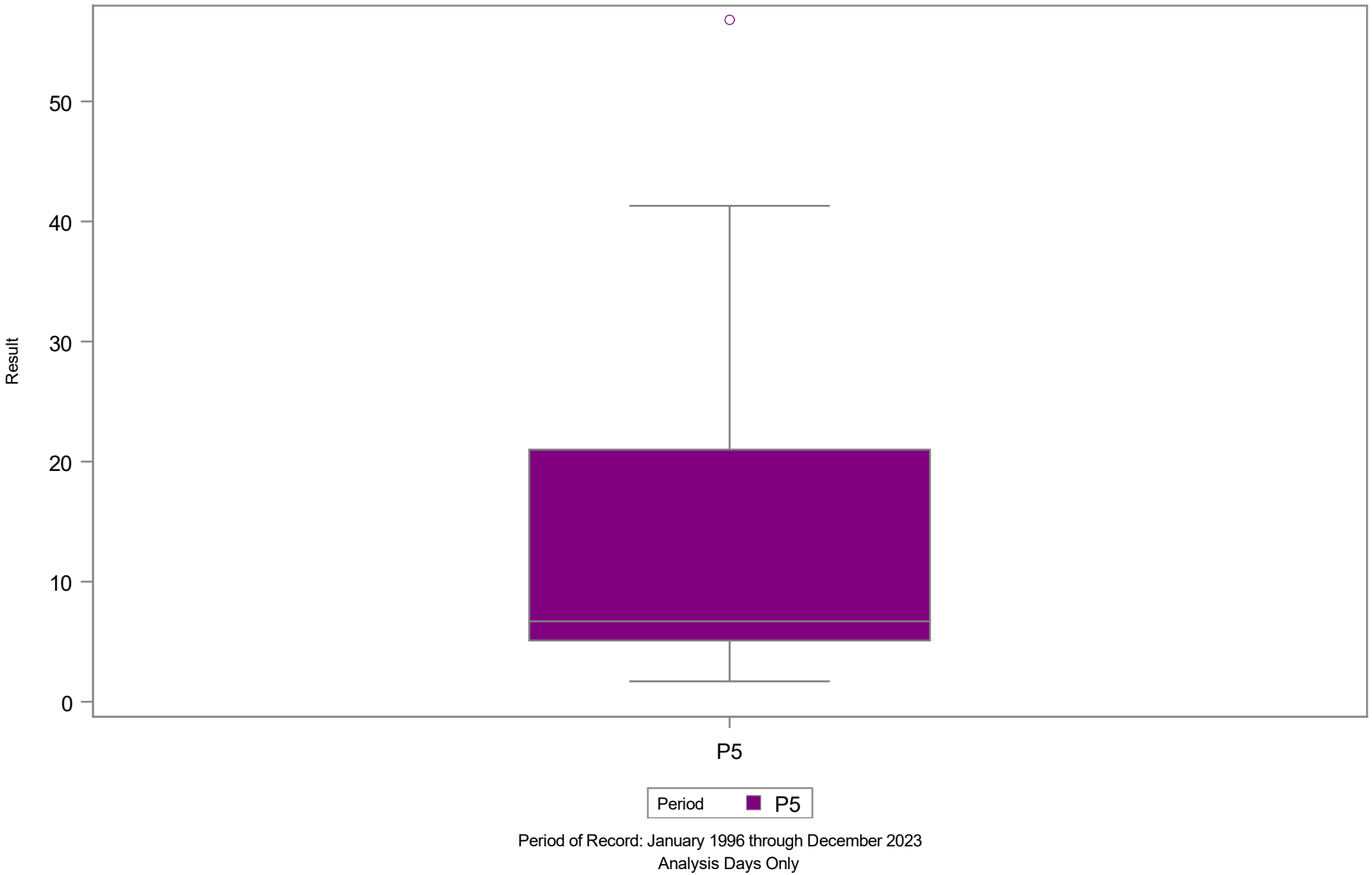
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	1.70	5.10	13.84	6.70	21.00	56.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

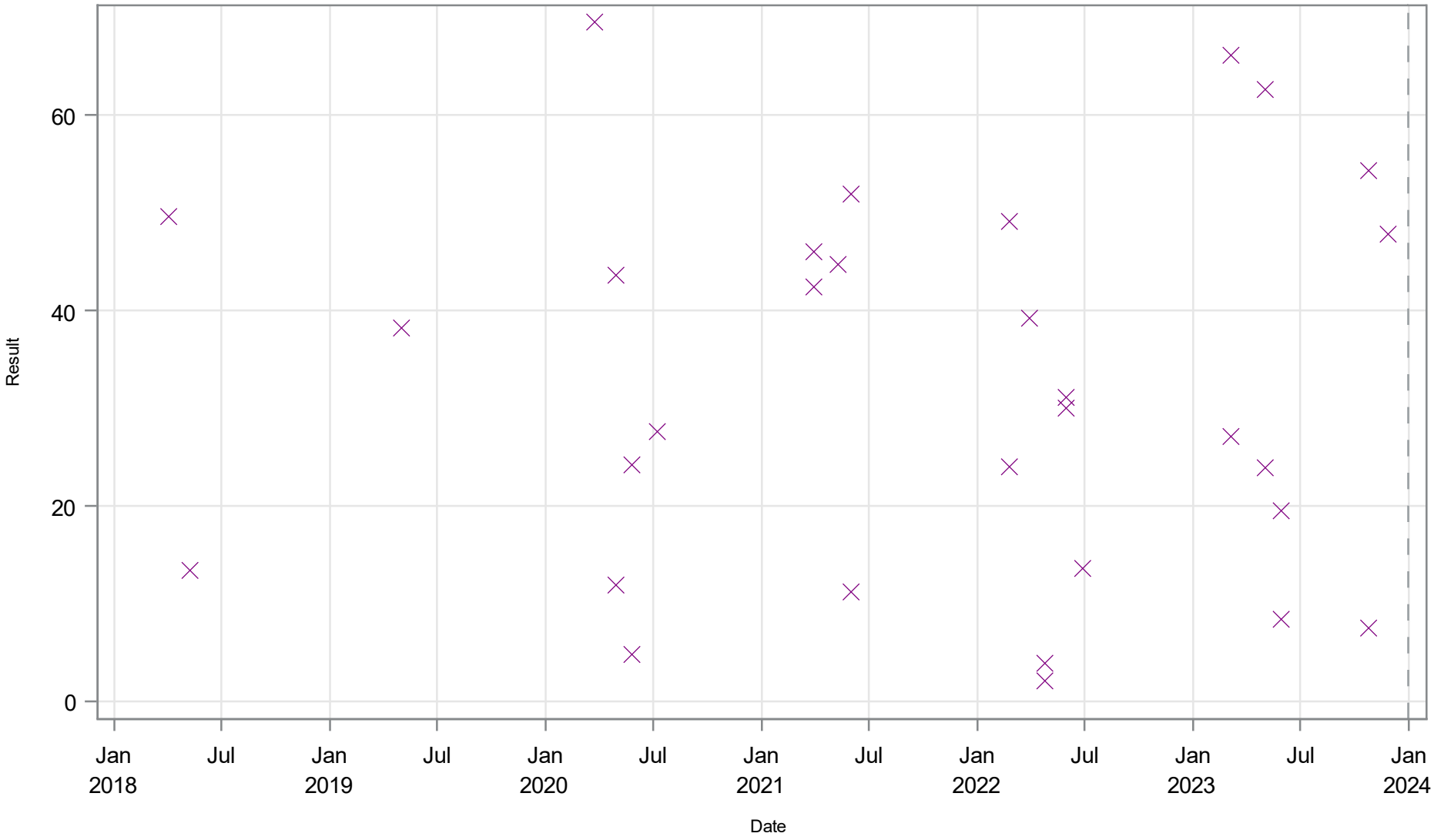
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

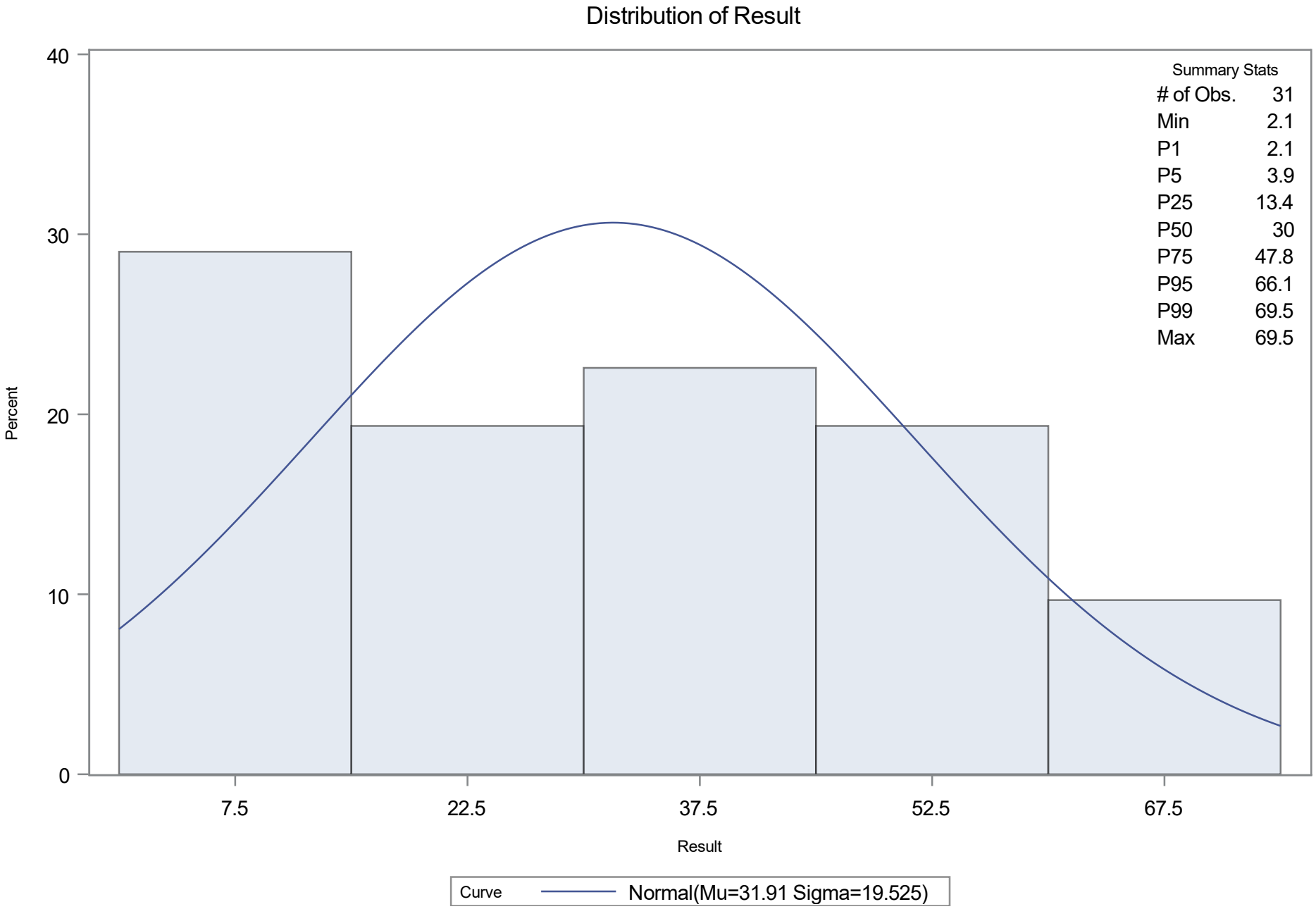
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	31.90968
Std Dev	Sigma	19.52544

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11613210	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06248555	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40897138	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.10000	-13.51329
5.0	3.90000	-0.20682
10.0	7.50000	6.88682
25.0	13.40000	18.73997
50.0	30.00000	31.90968
75.0	47.80000	45.07939
90.0	54.30000	56.93254
95.0	66.10000	64.02617
99.0	69.50000	77.33265

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	31	2.10	13.40	31.91	30.00	47.80	69.50

Period of Record: January 1996 through December 2023
Analysis Days Only

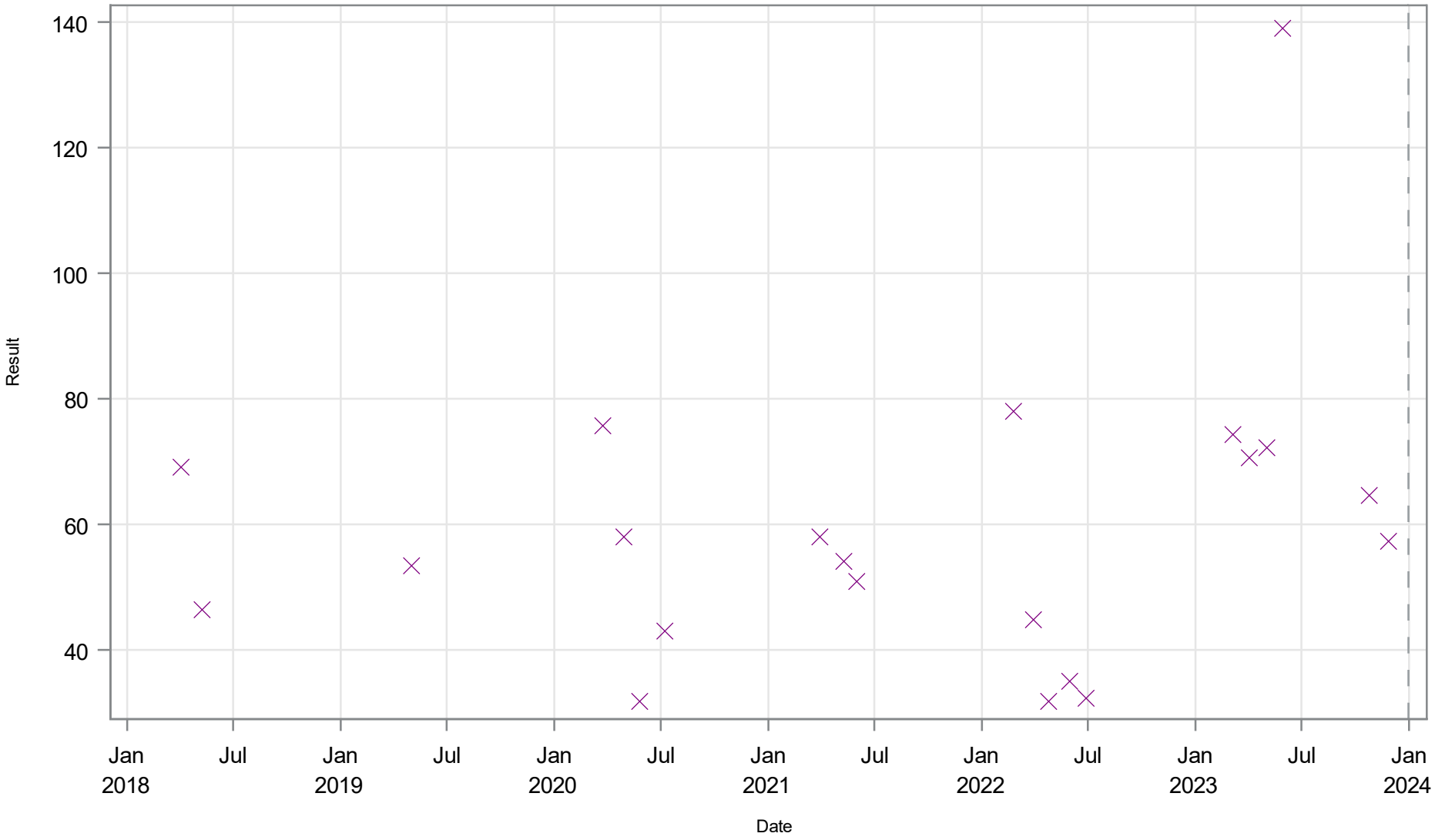
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

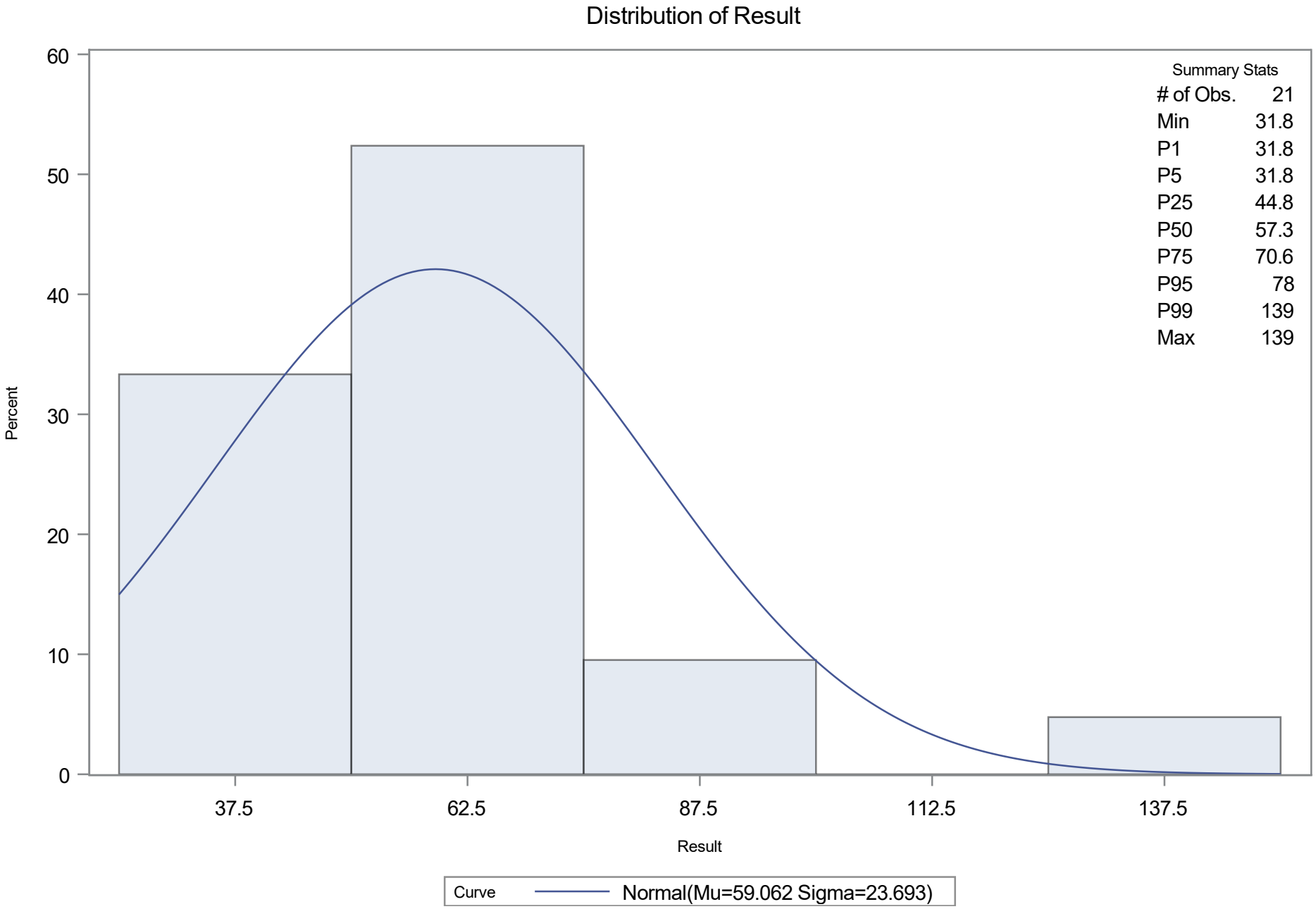
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	59.0619
Std Dev	Sigma	23.69273

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16443313	**Pr > D**	0.142
Cramer-von Mises	**W-Sq**	0.09360654	**Pr > W-Sq**	0.131
Anderson-Darling	**A-Sq**	0.79683332	**Pr > A-Sq**	0.034

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	31.8000	3.94437
5.0	31.8000	20.09083
10.0	32.3000	28.69845
25.0	44.8000	43.08140
50.0	57.3000	59.06190
75.0	70.6000	75.04241
90.0	75.7000	89.42536
95.0	78.0000	98.03298
99.0	139.0000	114.17944

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	31.80	44.80	59.06	57.30	70.60	139.00

Period of Record: January 1996 through December 2023
Analysis Days Only

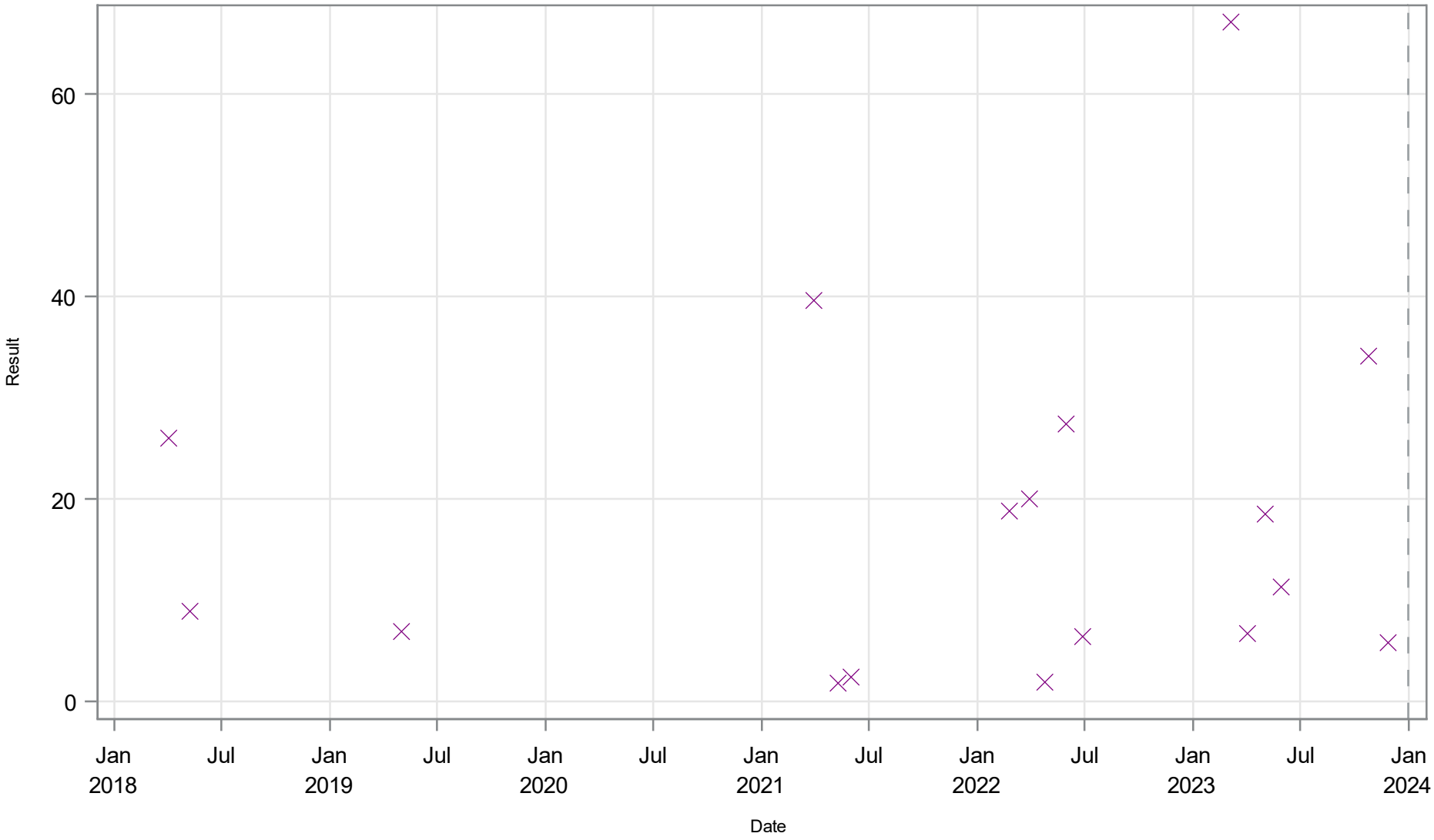
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR13 SN 19235

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

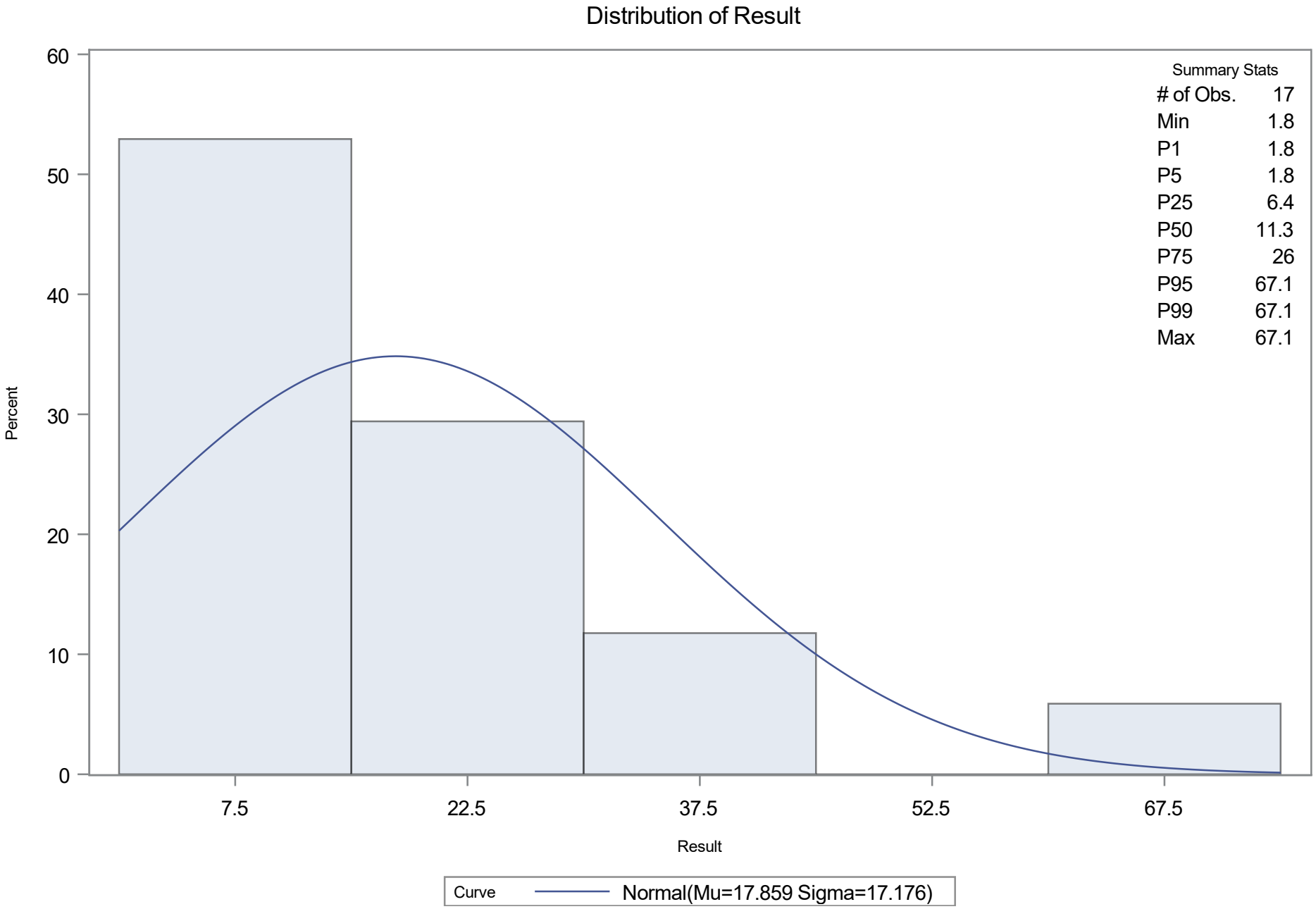
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.85882
Std Dev	Sigma	17.17648

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17812515	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.13580951	**Pr > W-Sq**	0.034
Anderson-Darling	**A-Sq**	0.88274420	**Pr > A-Sq**	0.020

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.80000	-22.09963
5.0	1.80000	-10.39397
10.0	1.90000	-4.15372
25.0	6.40000	6.27347
50.0	11.30000	17.85882
75.0	26.00000	29.44418
90.0	39.60000	39.87136
95.0	67.10000	46.11161
99.0	67.10000	57.81728

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

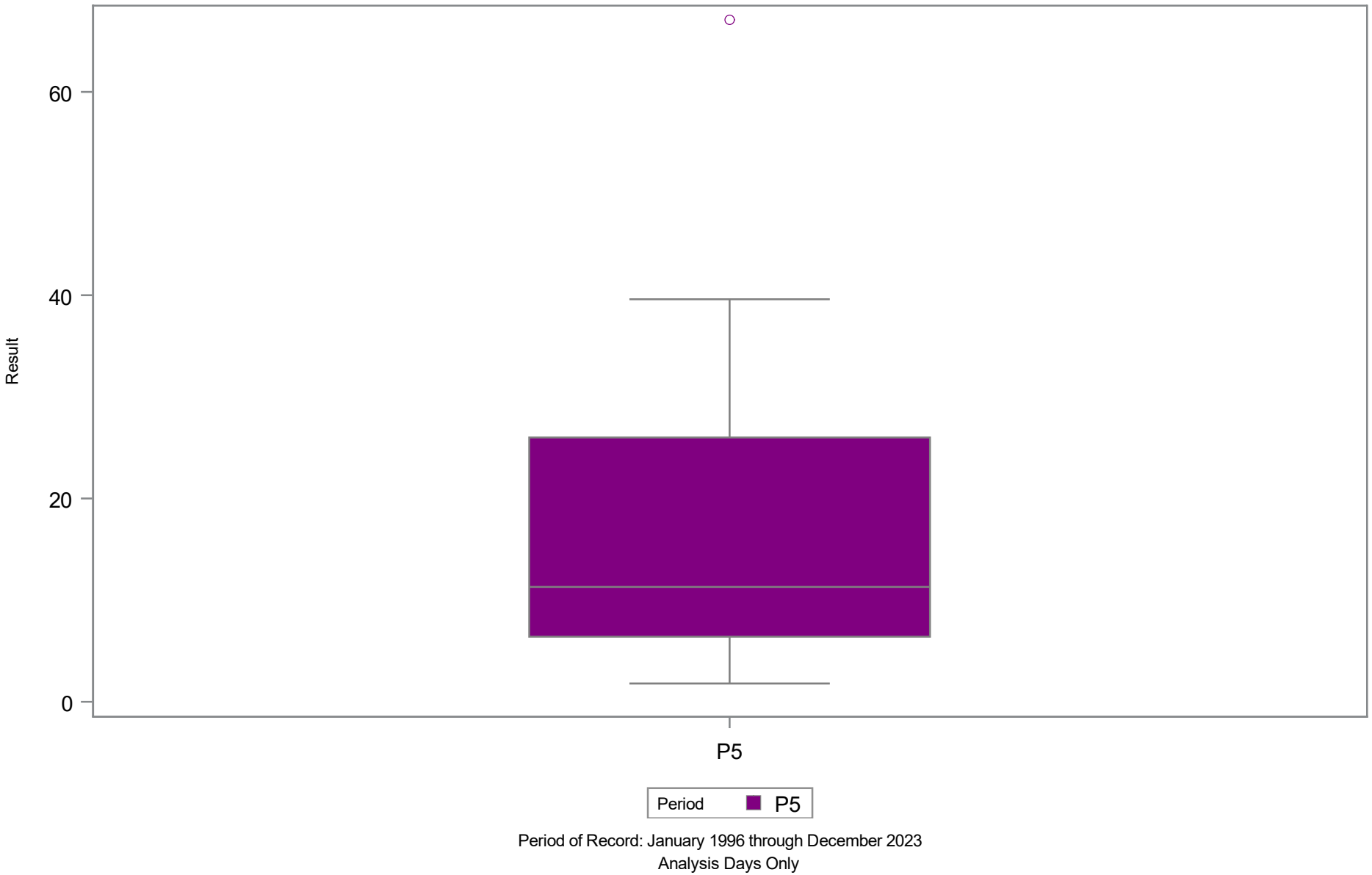
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	17	1.80	6.40	17.86	11.30	26.00	67.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

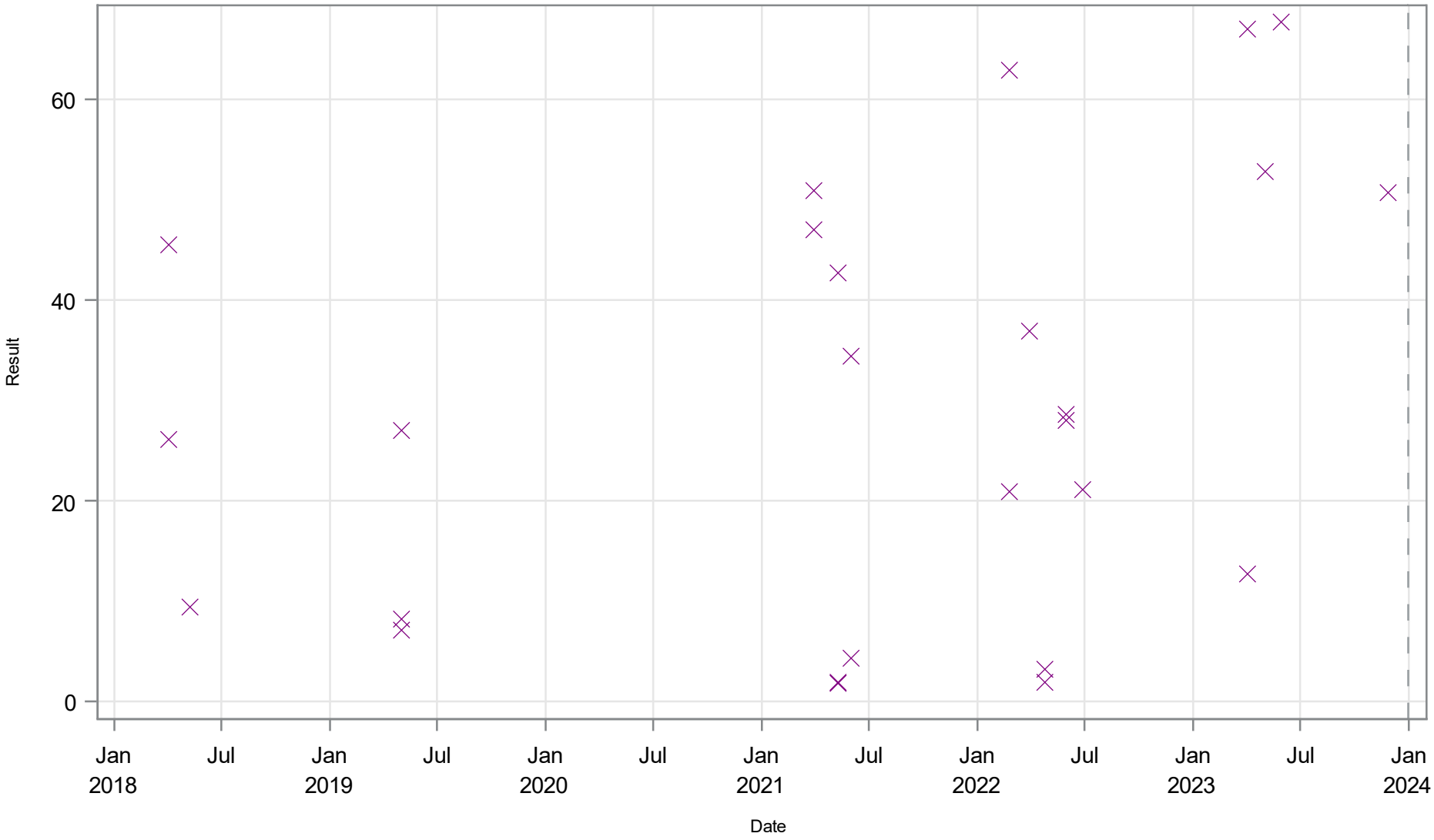
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14
SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

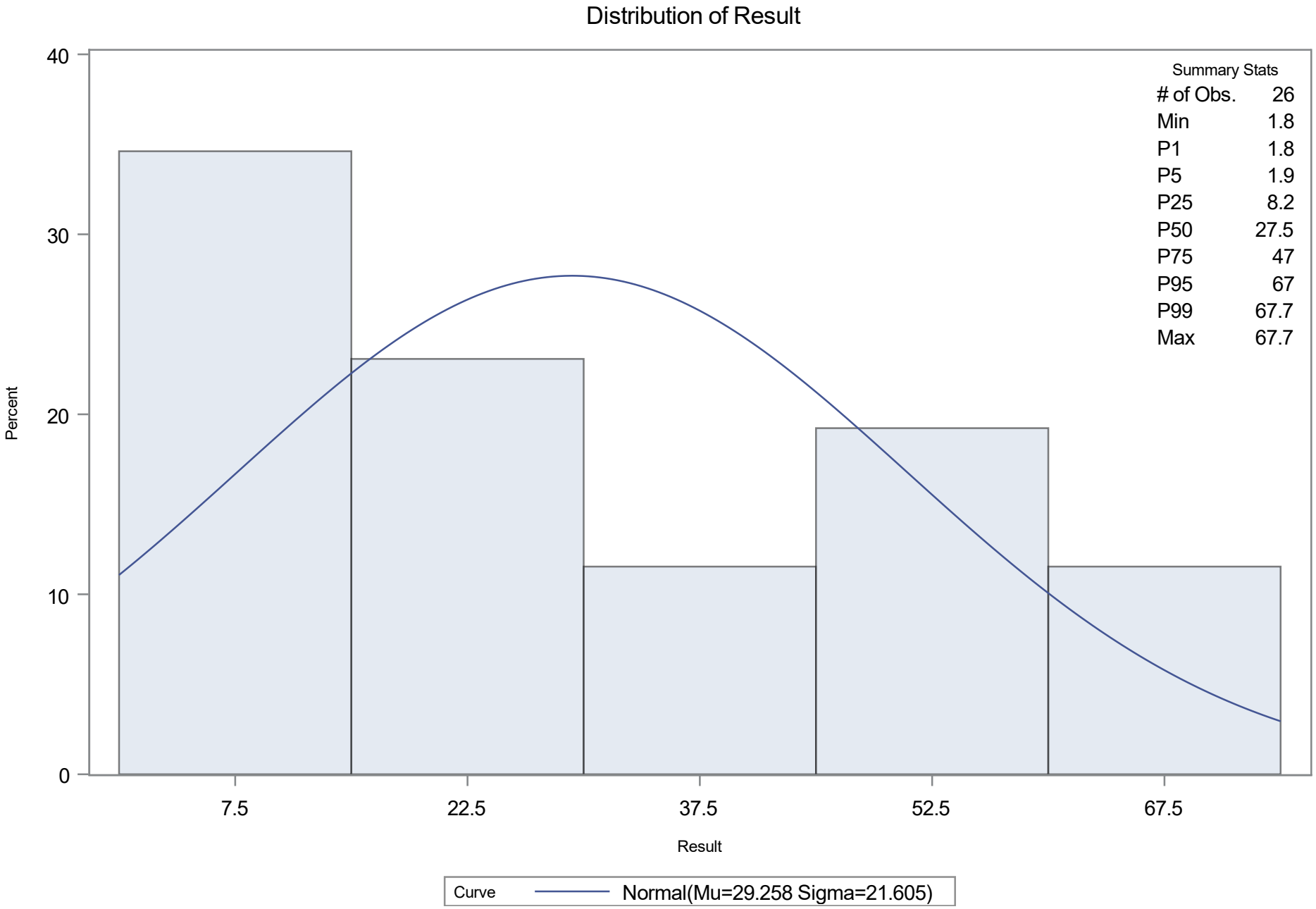
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	29.25769
Std Dev	Sigma	21.60528

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12867405	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07301598	**Pr > W-Sq**	0.248
Anderson-Darling	**A-Sq**	0.54498417	**Pr > A-Sq**	0.149

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.80000	-21.00371
5.0	1.90000	-6.27983
10.0	1.90000	1.56941
25.0	8.20000	14.68515
50.0	27.50000	29.25769
75.0	47.00000	43.83023
90.0	62.90000	56.94597
95.0	67.00000	64.79522
99.0	67.70000	79.51909

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	26	1.80	8.20	29.26	27.50	47.00	67.70

Period of Record: January 1996 through December 2023
Analysis Days Only

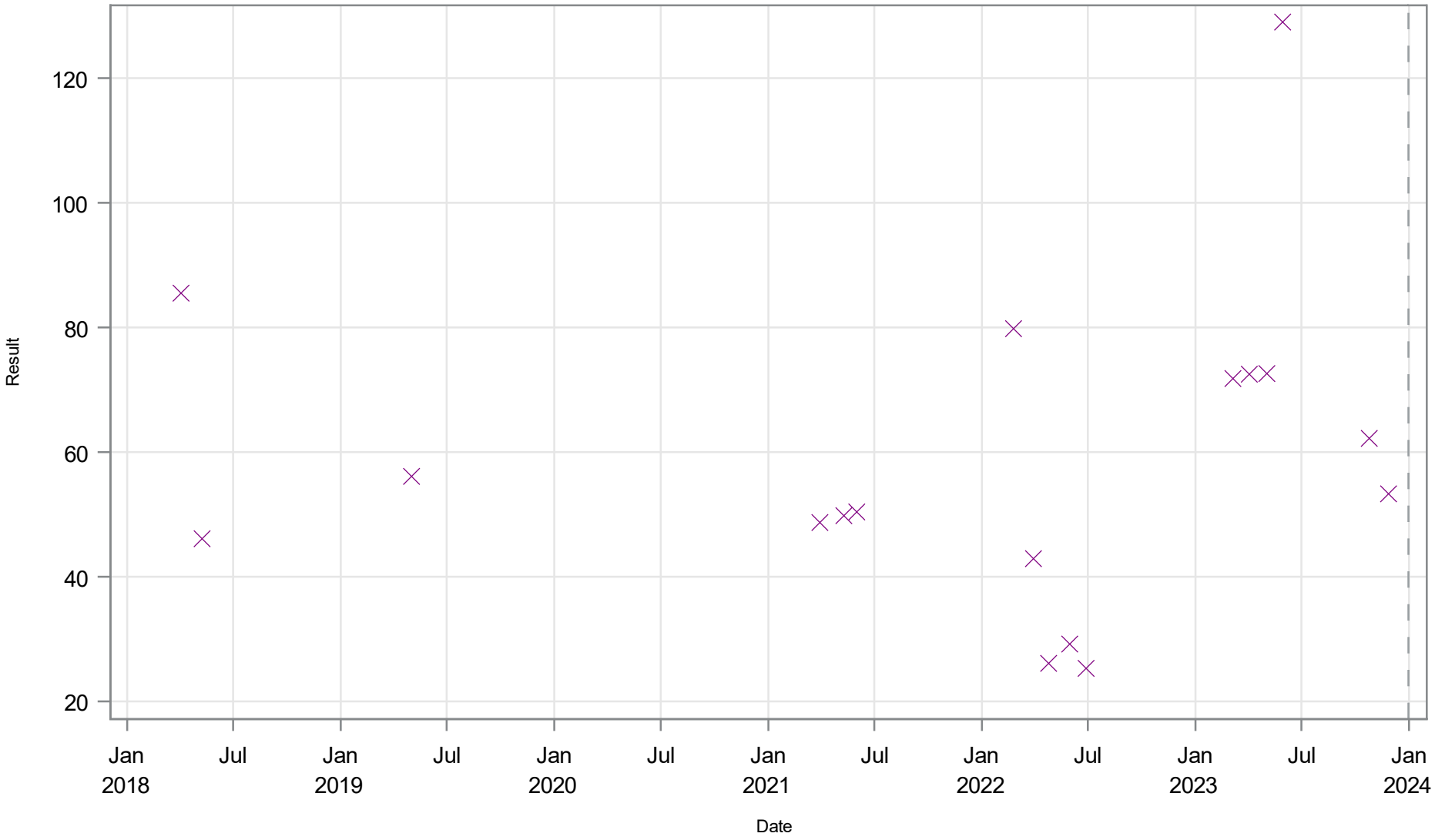
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

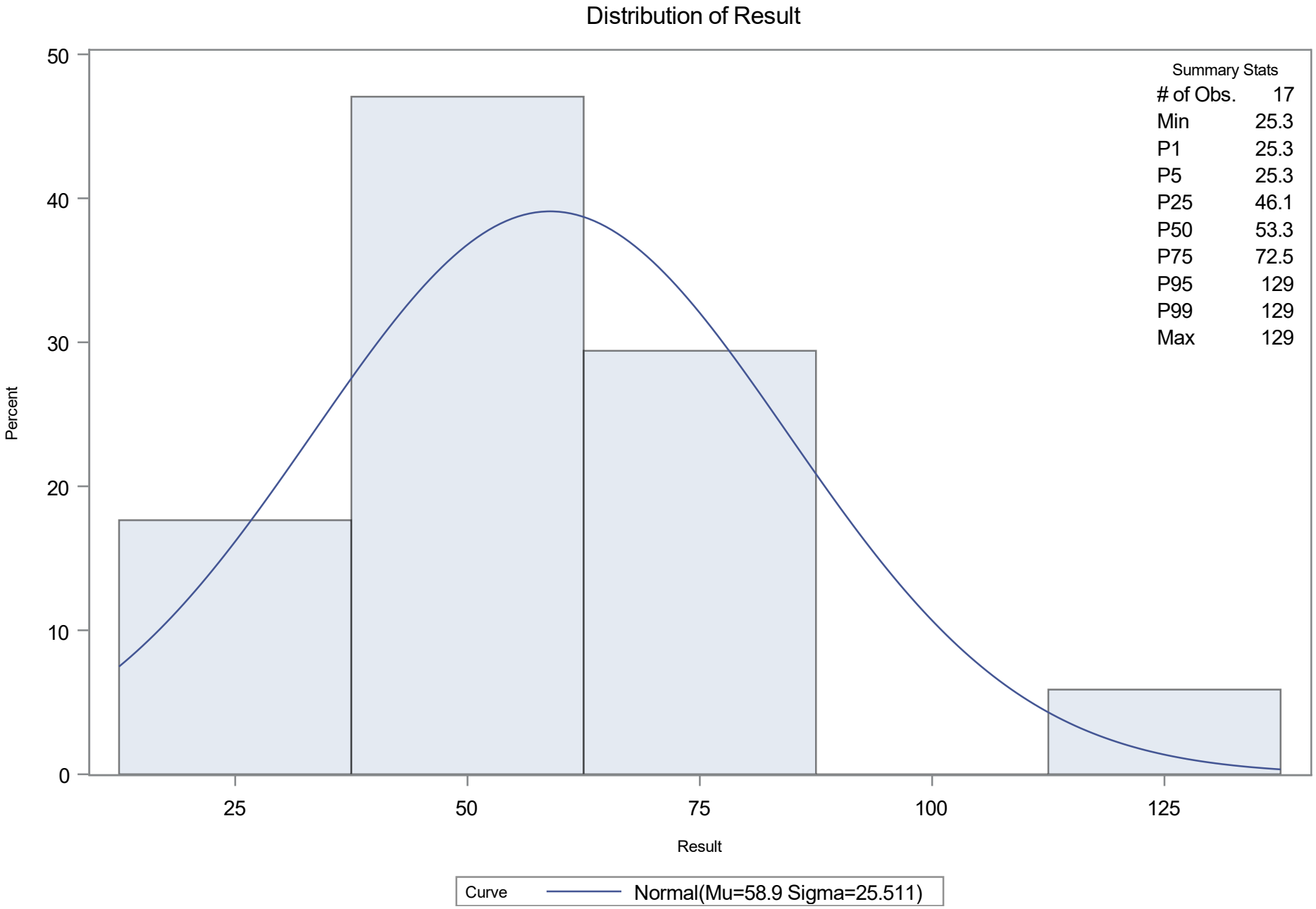
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	58.9
Std Dev	Sigma	25.51147

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13193328	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06092385	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.45298787	**Pr > A-Sq**	0.243

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	25.3000	-0.44855
5.0	25.3000	16.93737
10.0	26.1000	26.20574
25.0	46.1000	41.69278
50.0	53.3000	58.90000
75.0	72.5000	76.10722
90.0	85.5000	91.59426
95.0	129.0000	100.86263
99.0	129.0000	118.24855

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	17	25.30	46.10	58.90	53.30	72.50	129.00

Period of Record: January 1996 through December 2023
Analysis Days Only

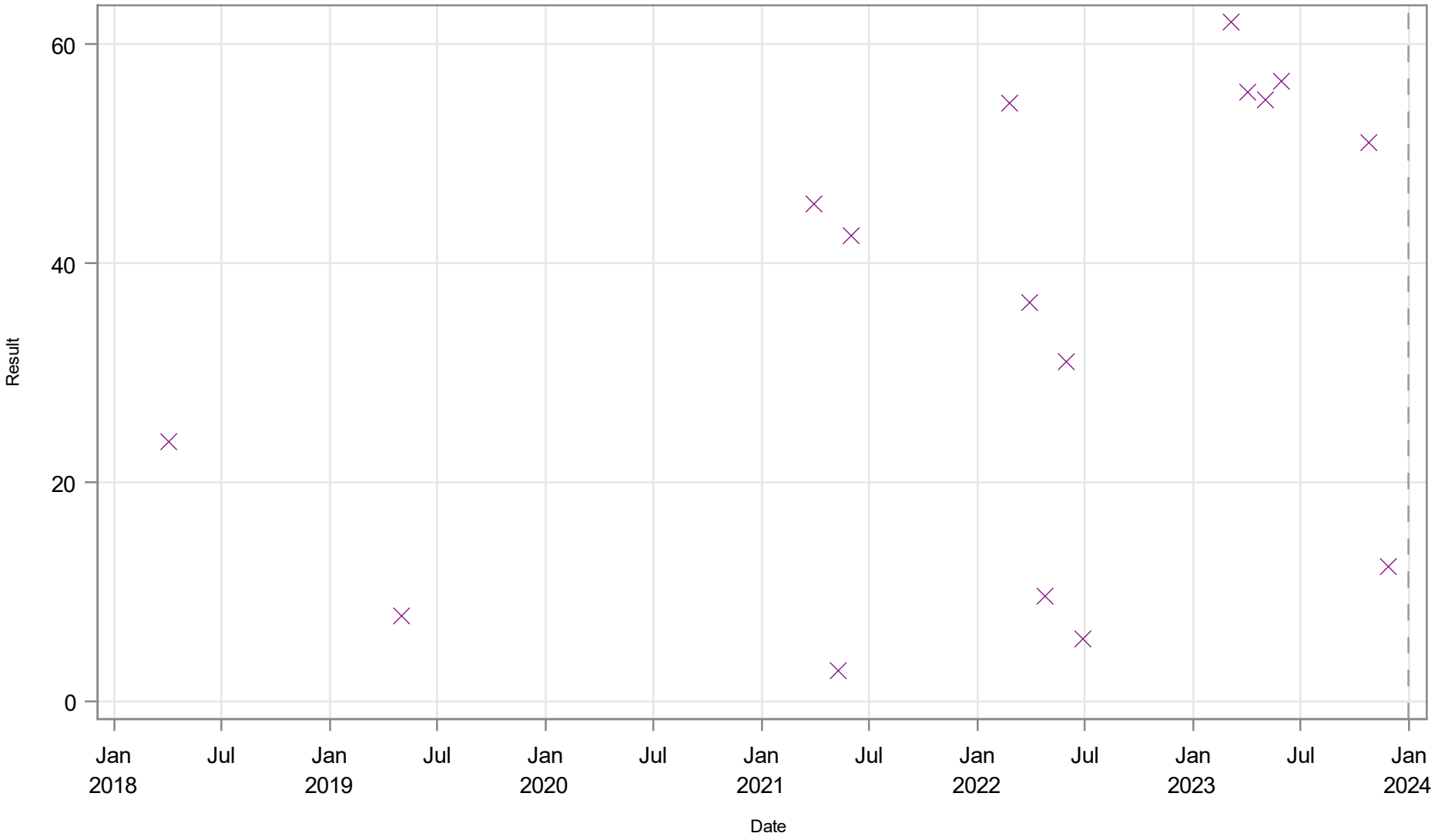
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR14 SN 800054

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

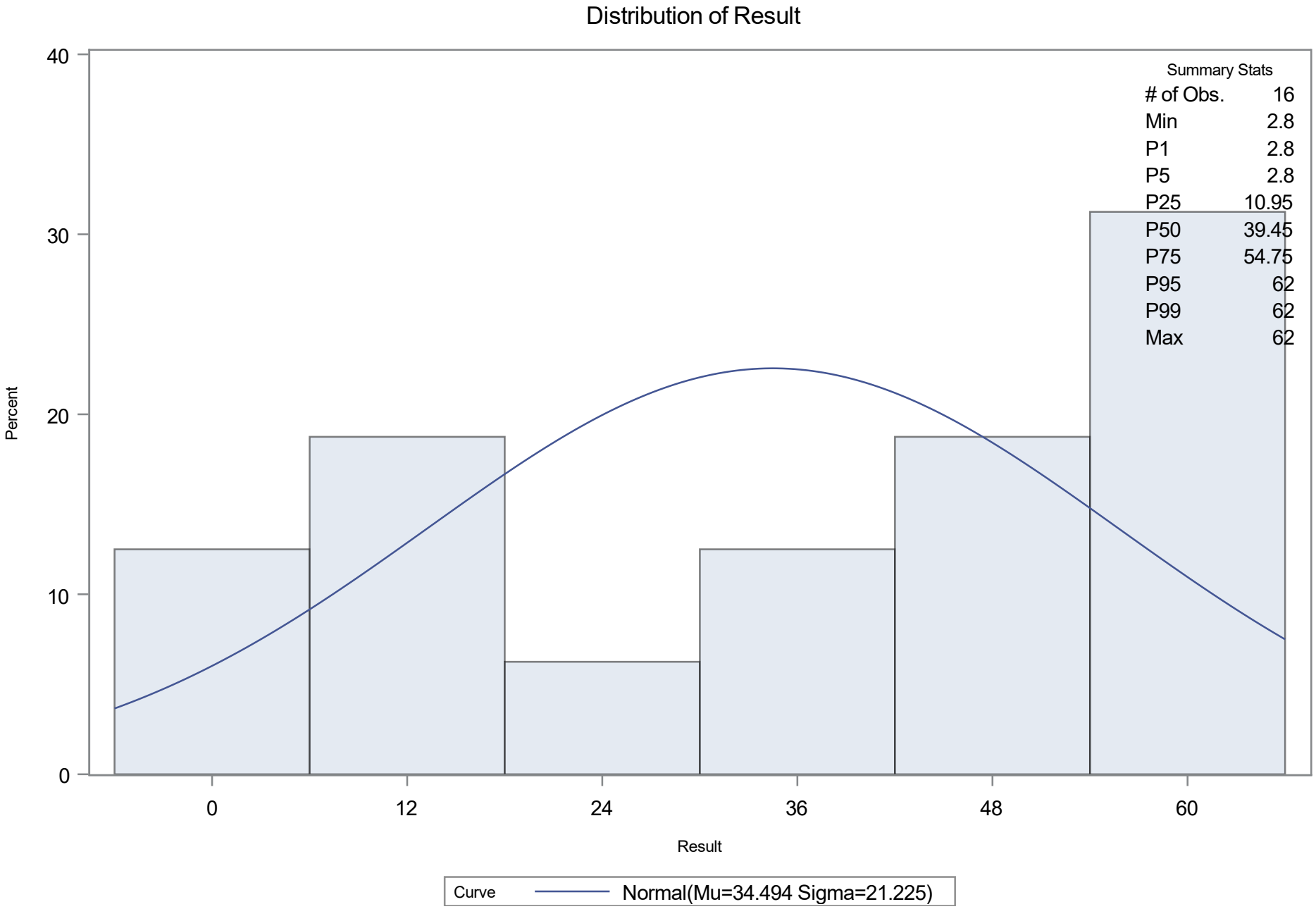
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	34.49375
Std Dev	Sigma	21.22525

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16463395	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10511267	**Pr > W-Sq**	0.090
Anderson-Darling	**A-Sq**	0.69554512	**Pr > A-Sq**	0.057

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.80000	-14.88357
5.0	2.80000	-0.41868
10.0	5.70000	7.29250
25.0	10.95000	20.17754
50.0	39.45000	34.49375
75.0	54.75000	48.80996
90.0	56.60000	61.69500
95.0	62.00000	69.40618
99.0	62.00000	83.87107

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	16	2.80	10.95	34.49	39.45	54.75	62.00

Period of Record: January 1996 through December 2023
Analysis Days Only

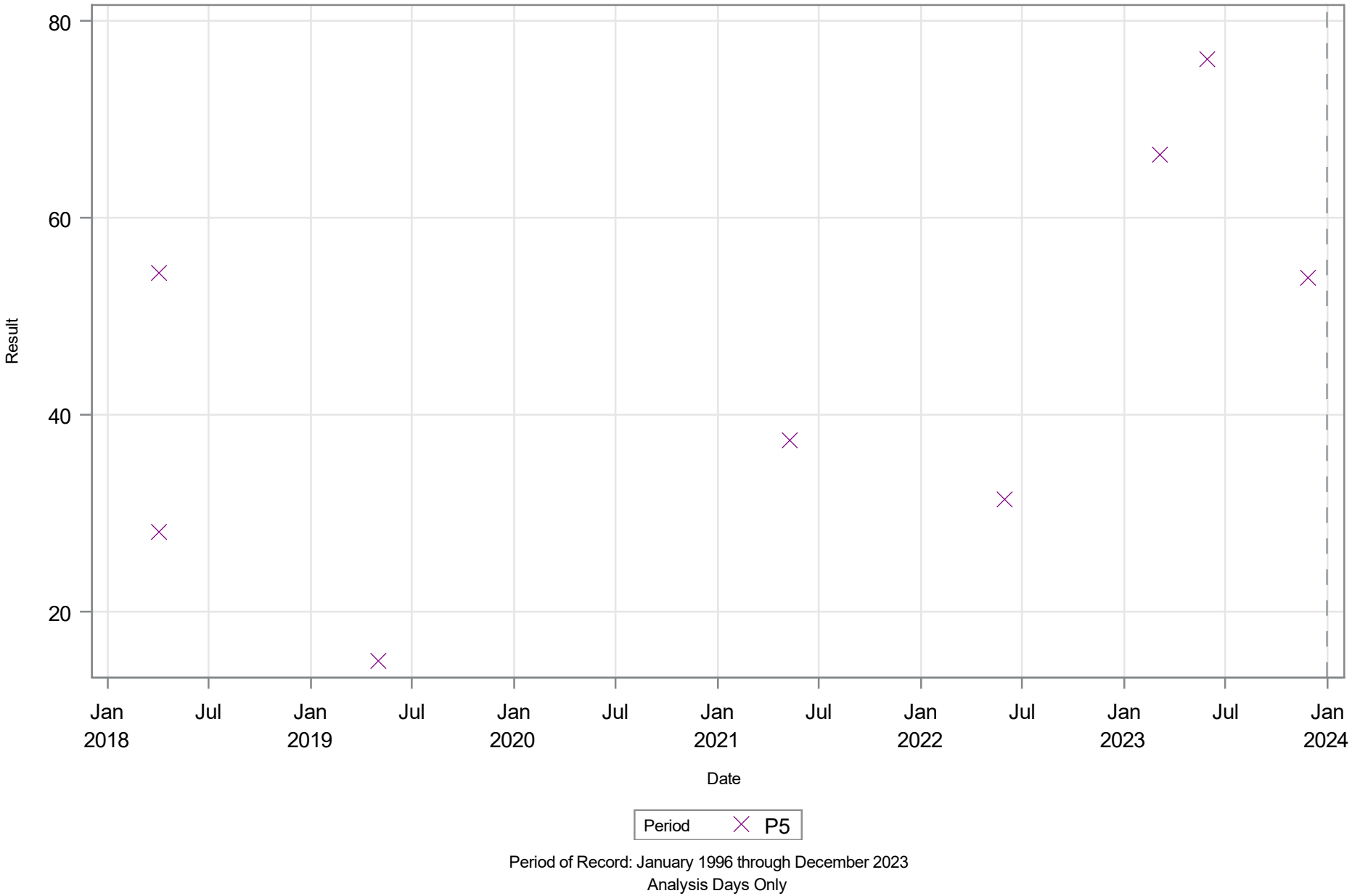
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15
SN 800055

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

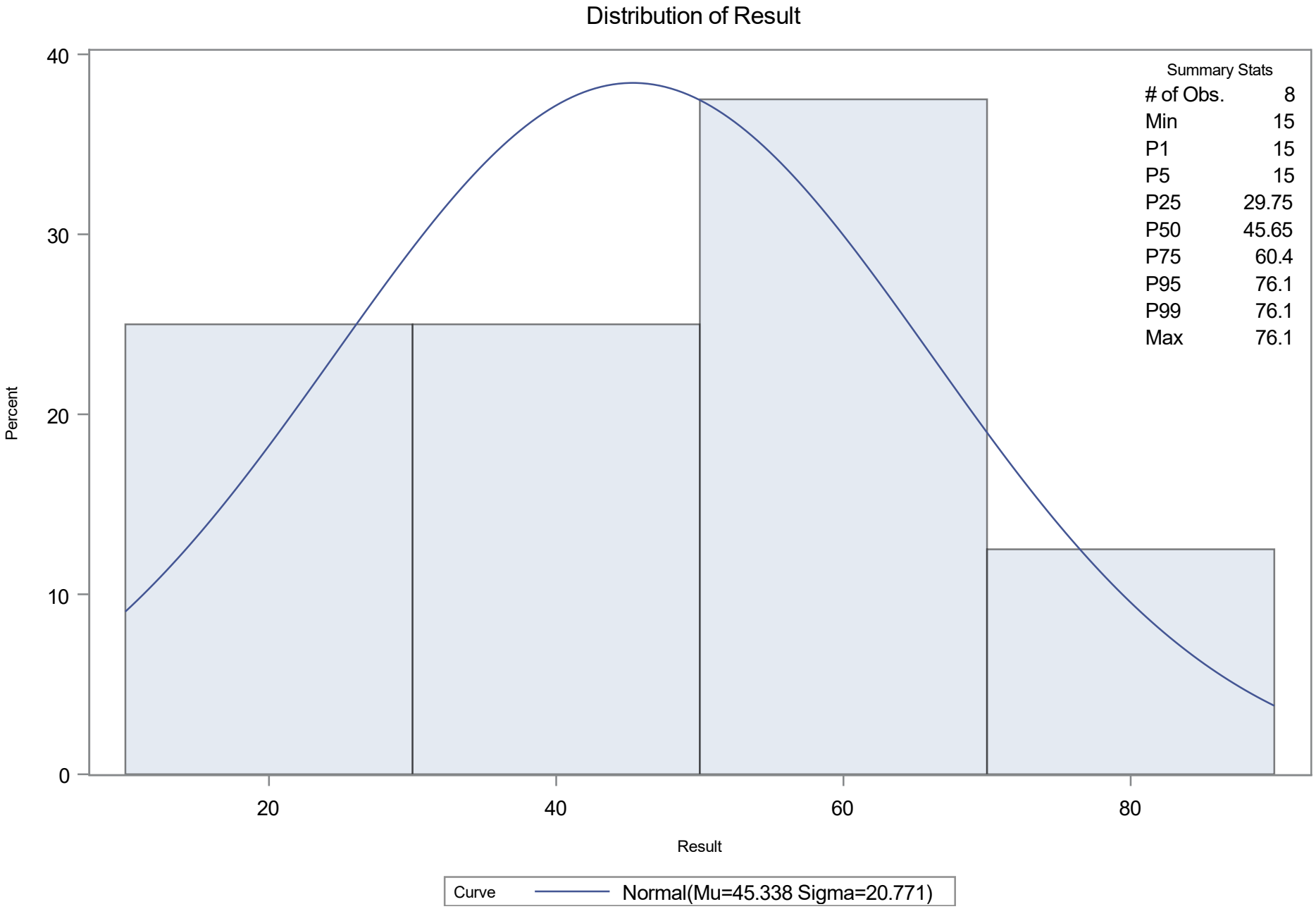
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	45.3375
Std Dev	Sigma	20.7714

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15991288	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03290471	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19543816	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0000	-2.98401
5.0	15.0000	11.17158
10.0	15.0000	18.71787
25.0	29.7500	31.32740
50.0	45.6500	45.33750
75.0	60.4000	59.34760
90.0	76.1000	71.95713
95.0	76.1000	79.50342
99.0	76.1000	93.65901

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

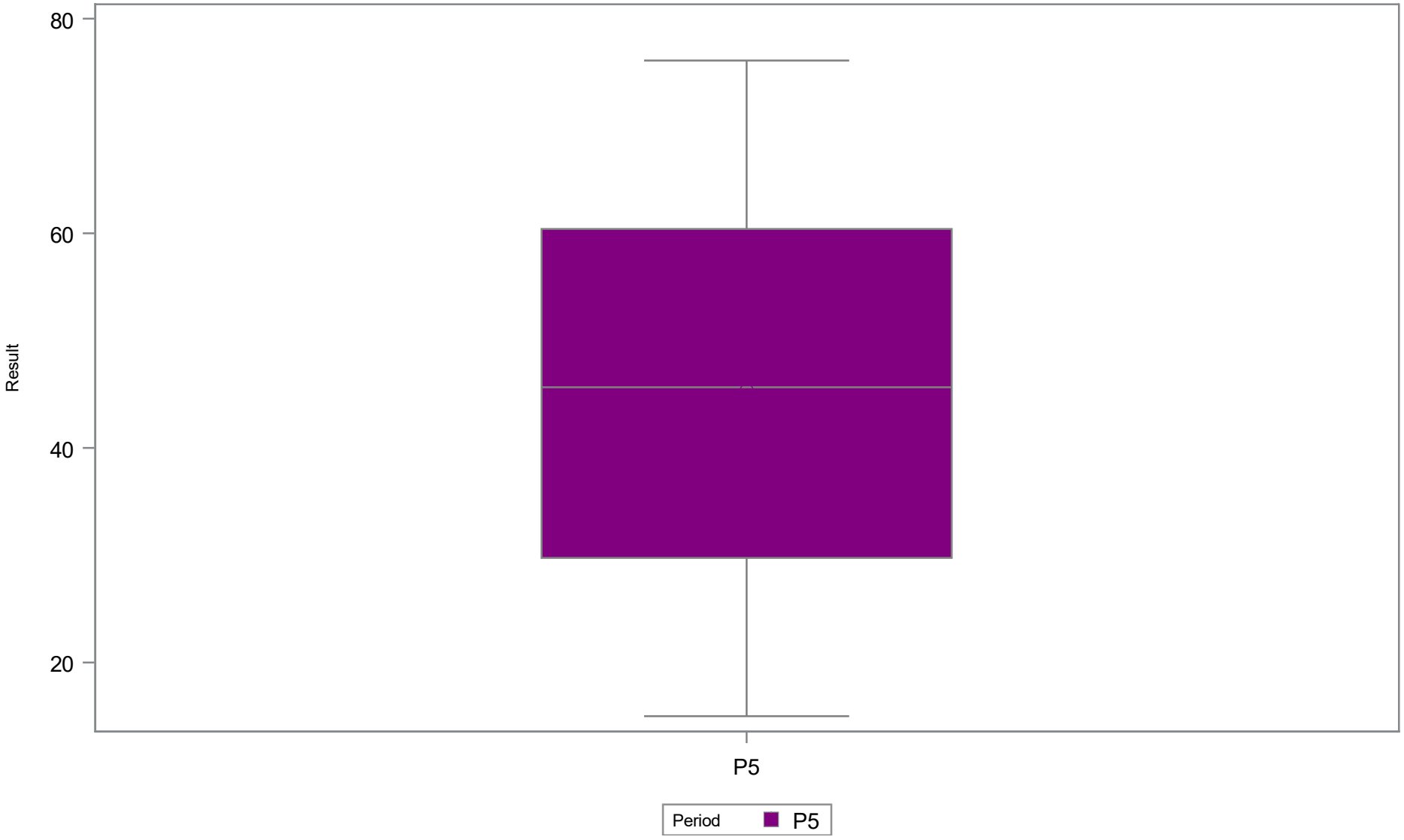
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	15.00	29.75	45.34	45.65	60.40	76.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

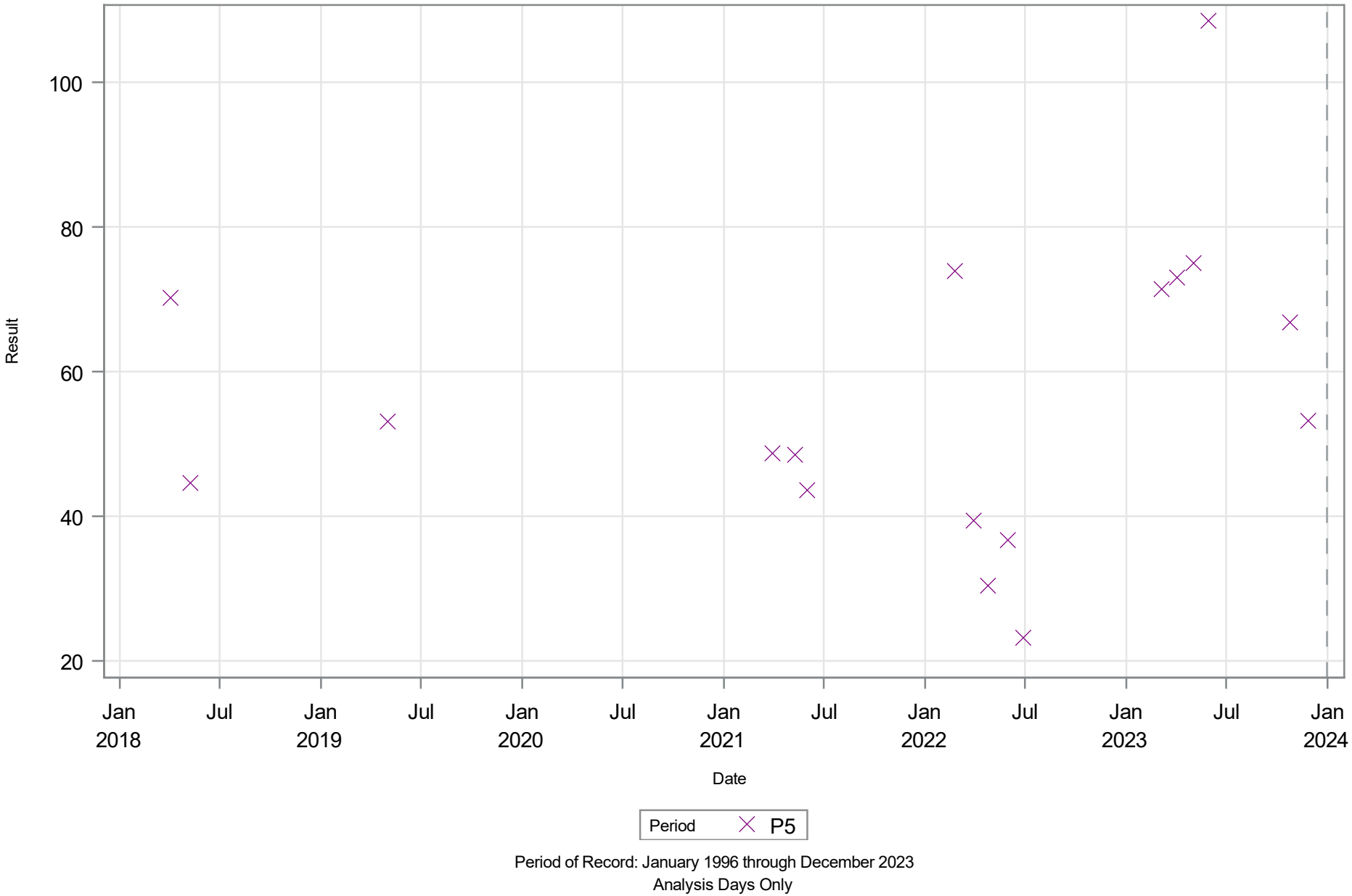
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

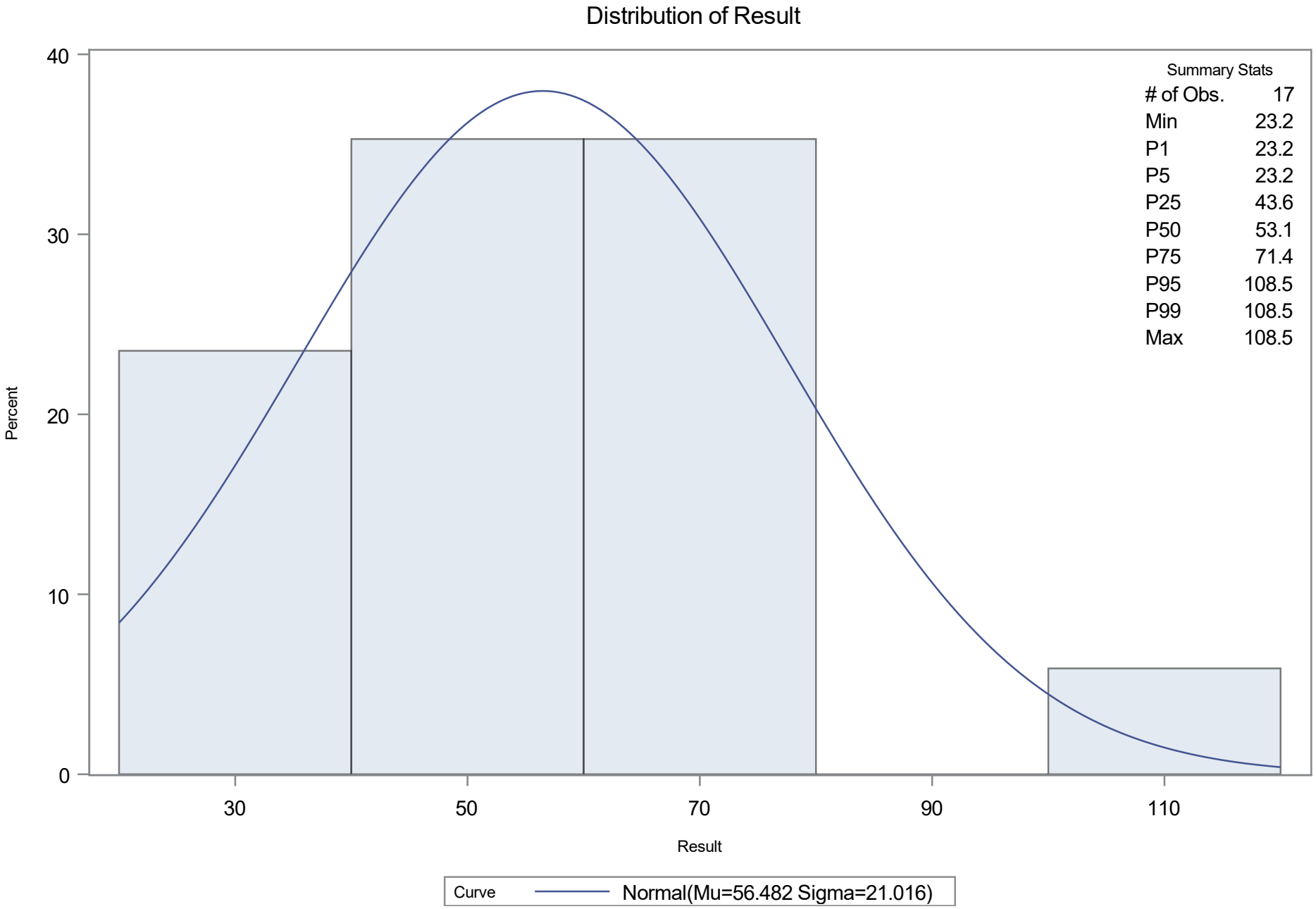
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	56.48235
Std Dev	Sigma	21.01622

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15029047	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05916642	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38482822	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	23.2000	7.59131
5.0	23.2000	21.91375
10.0	30.4000	29.54898
25.0	43.6000	42.30713
50.0	53.1000	56.48235
75.0	71.4000	70.65758
90.0	75.0000	83.41572
95.0	108.5000	91.05096
99.0	108.5000	105.37339

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	17	23.20	43.60	56.48	53.10	71.40	108.50

Period of Record: January 1996 through December 2023
Analysis Days Only

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Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR15 SN 800055

Period of Record: January 1996 through December 2023
Analysis Days Only

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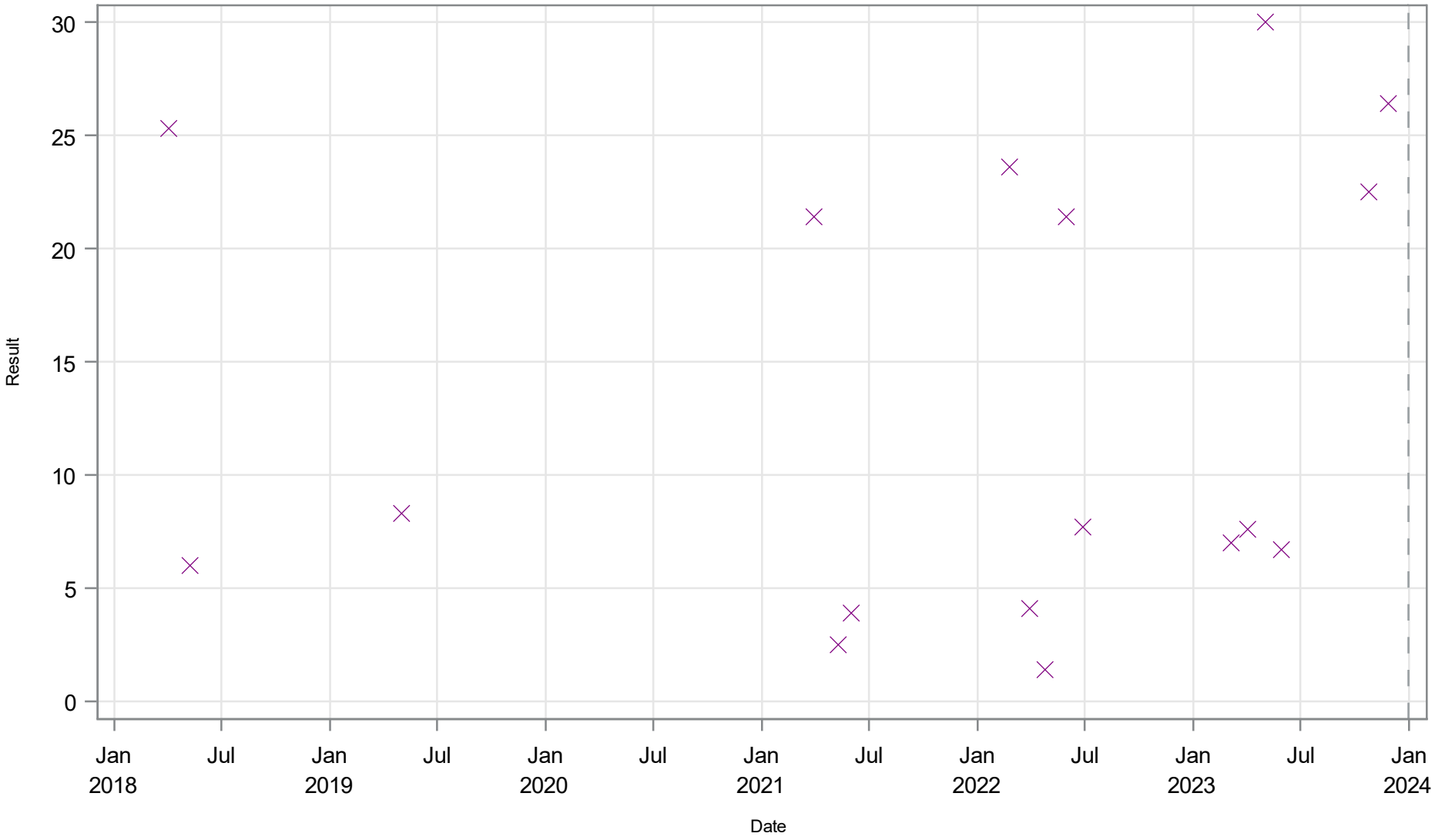
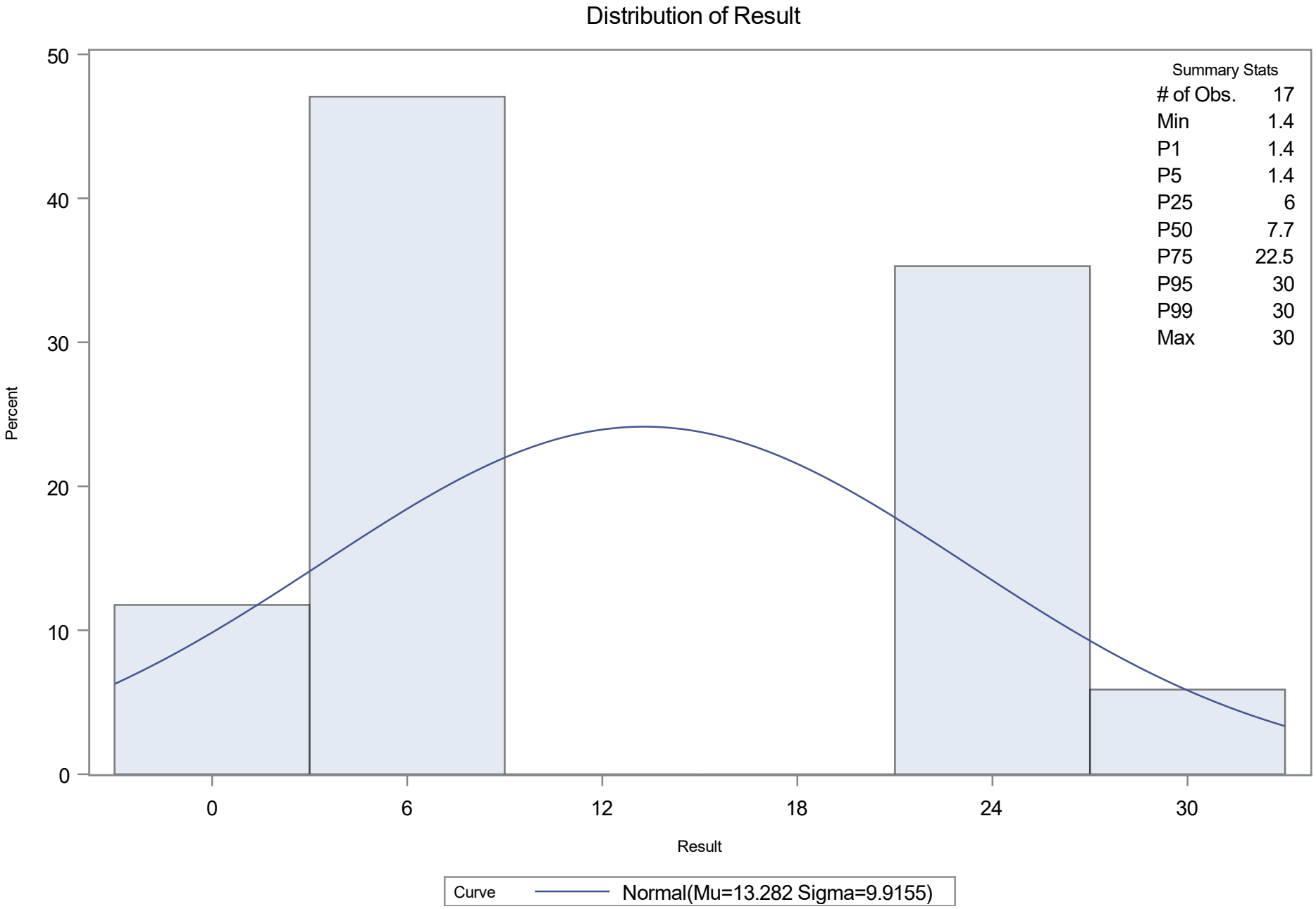
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.28235
Std Dev	Sigma	9.915533

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28057019	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22713710	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.19100034	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.40000	-9.78463
5.0	1.40000	-3.02725
10.0	2.50000	0.57509
25.0	6.00000	6.59443
50.0	7.70000	13.28235
75.0	22.50000	19.97028
90.0	26.40000	25.98962
95.0	30.00000	29.59195
99.0	30.00000	36.34933

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	17	1.40	6.00	13.28	7.70	22.50	30.00

Period of Record: January 1996 through December 2023
Analysis Days Only

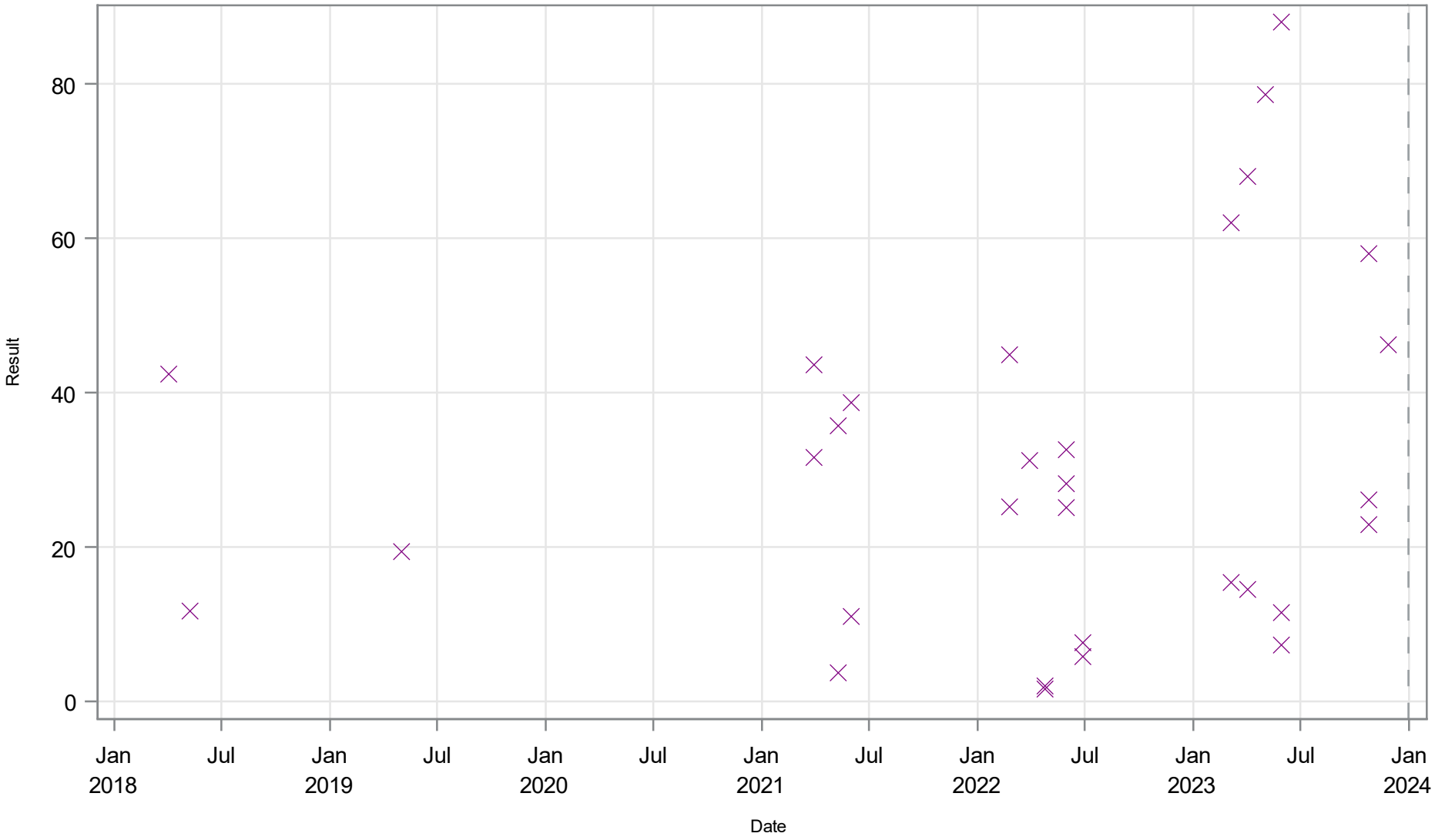
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

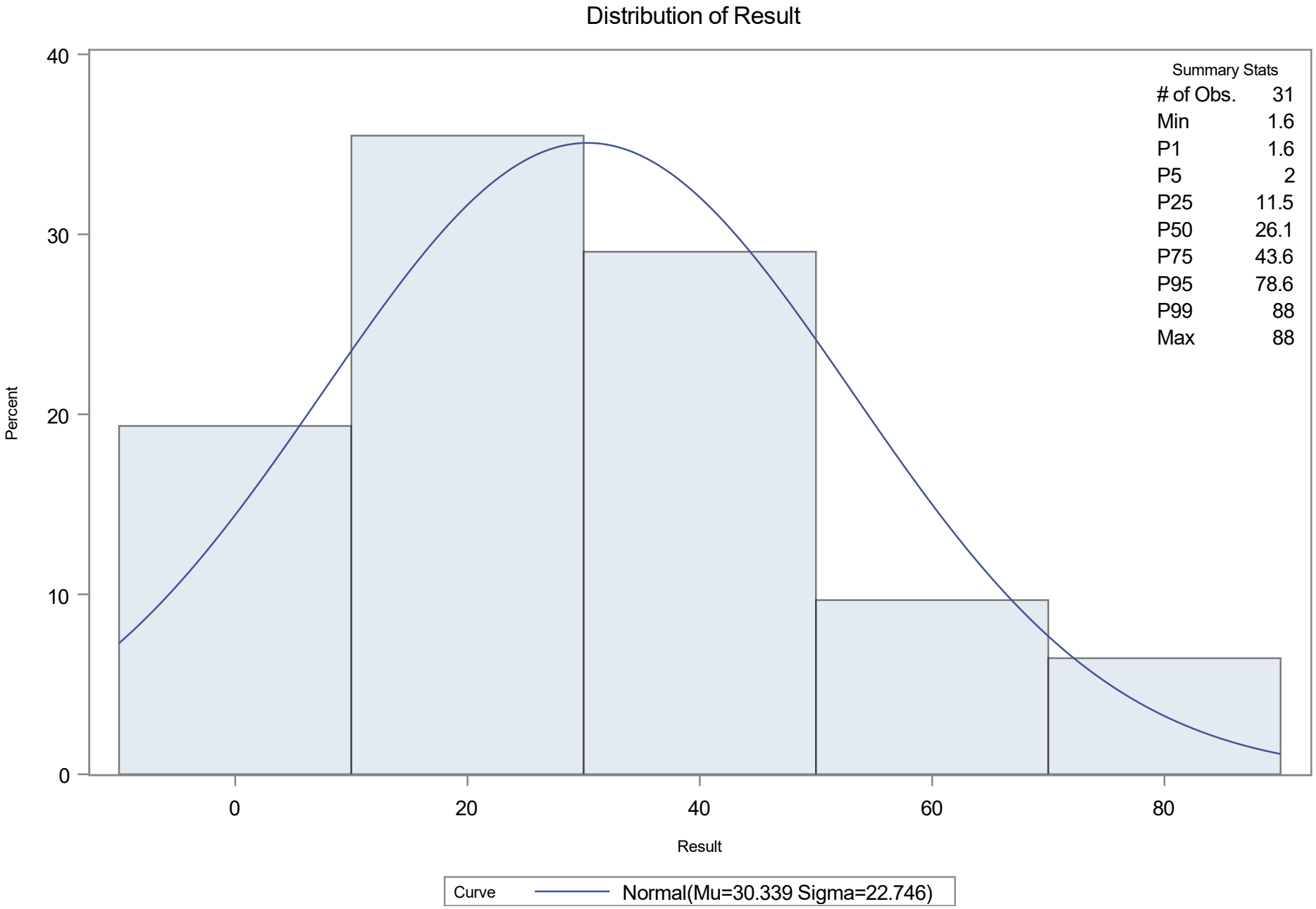
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	30.33871
Std Dev	Sigma	22.7459

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10556555	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08821554	**Pr > W-Sq**	0.158
Anderson-Darling	**A-Sq**	0.62819307	**Pr > A-Sq**	0.094

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.60000	-22.57616
5.0	2.00000	-7.07496
10.0	5.80000	1.18867
25.0	11.50000	14.99684
50.0	26.10000	30.33871
75.0	43.60000	45.68058
90.0	62.00000	59.48875
95.0	78.60000	67.75238
99.0	88.00000	83.25358

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

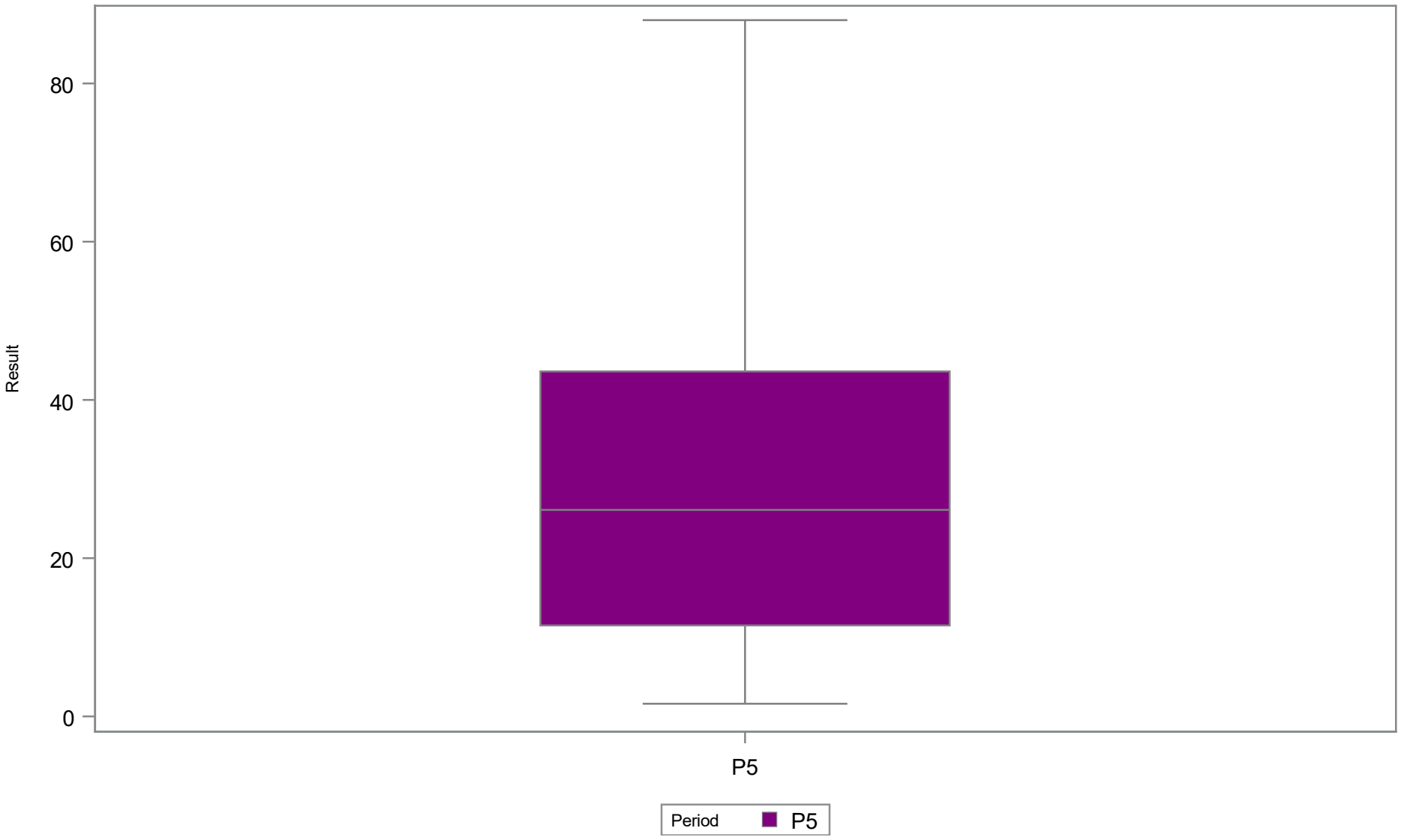
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	31	1.60	11.50	30.34	26.10	43.60	88.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

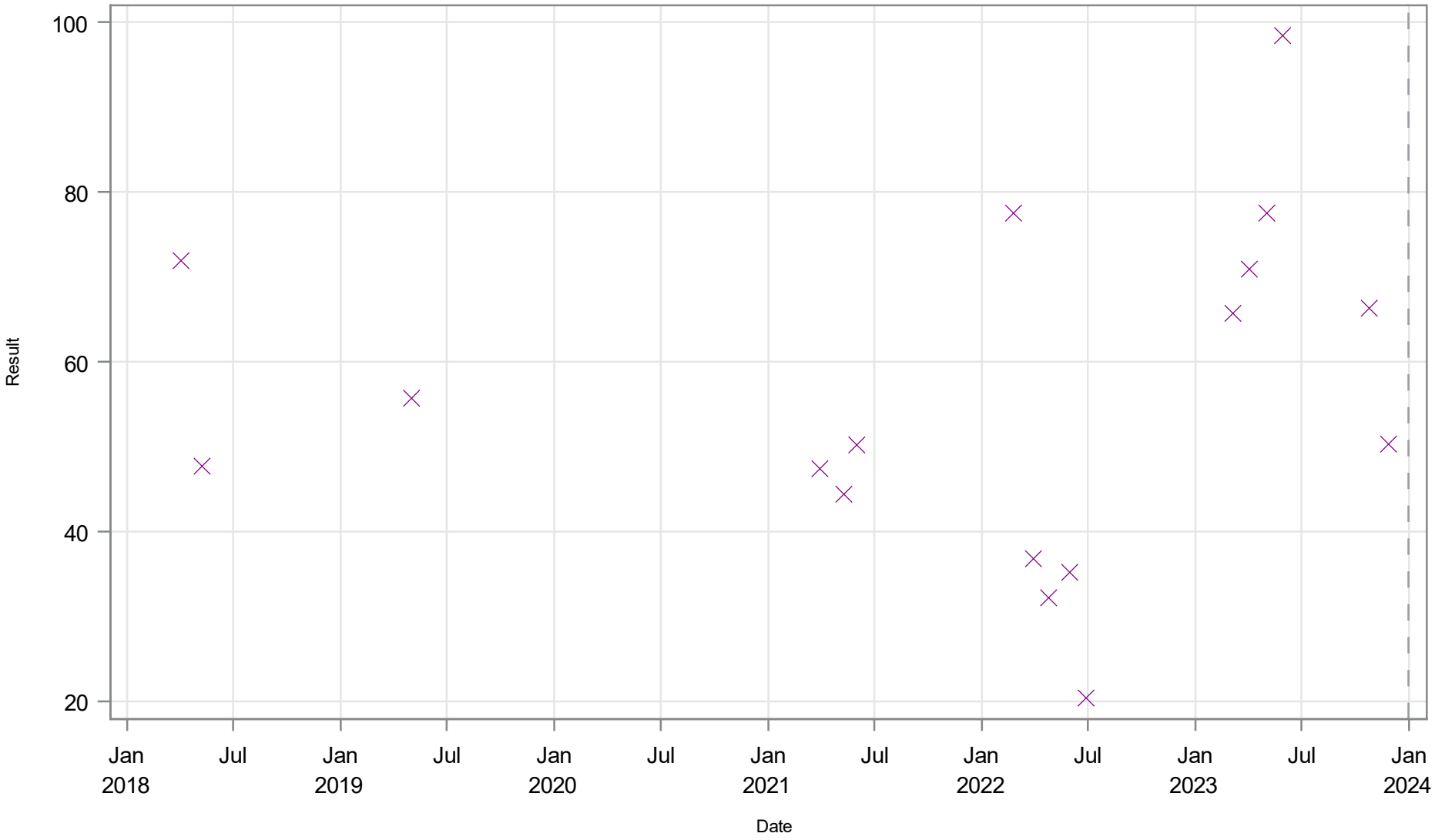
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

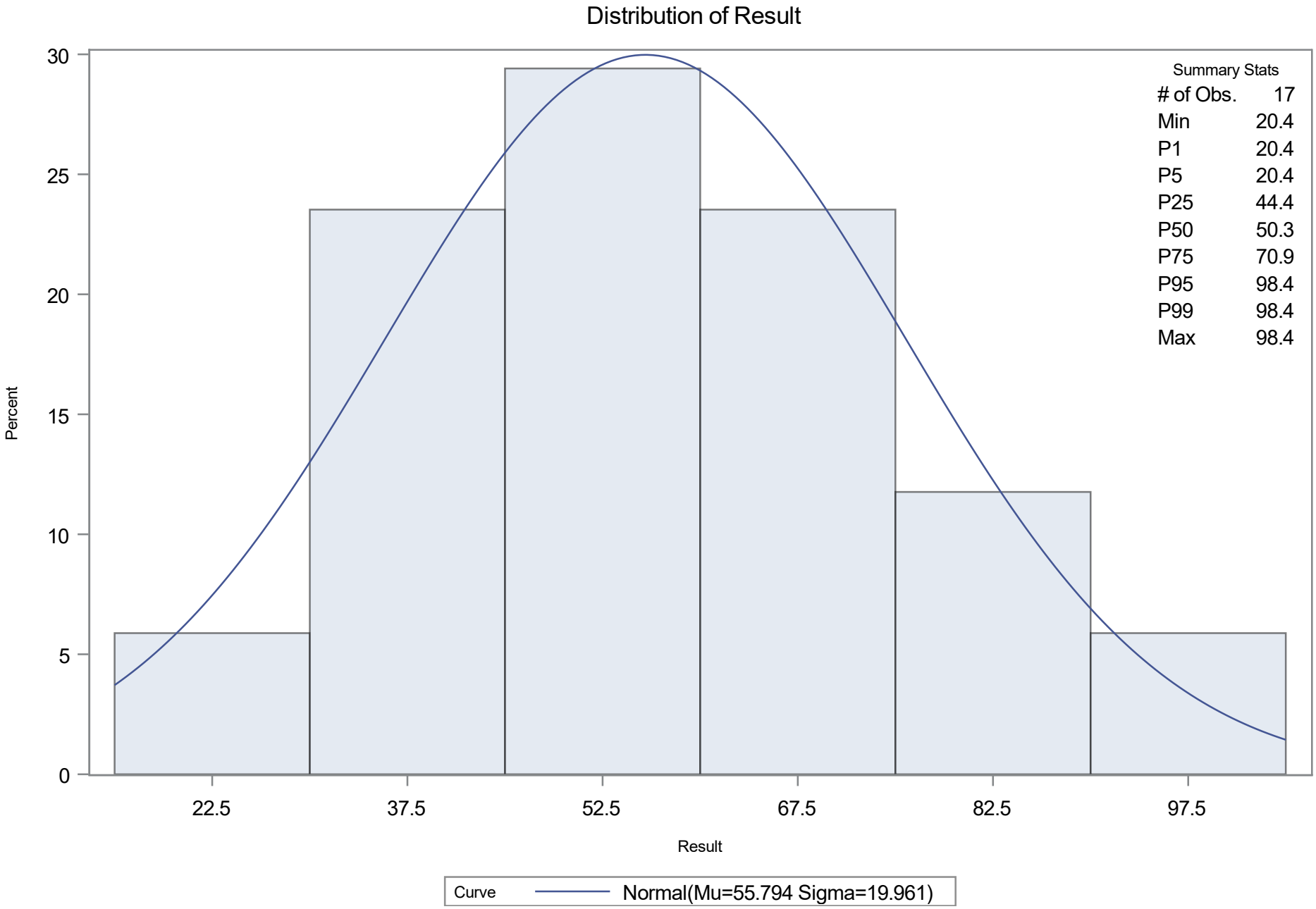
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	55.79412
Std Dev	Sigma	19.96129

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13784530	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03762506	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22237720	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.4000	9.35721
5.0	20.4000	22.96072
10.0	32.2000	30.21270
25.0	44.4000	42.33043
50.0	50.3000	55.79412
75.0	70.9000	69.25780
90.0	77.5000	81.37554
95.0	98.4000	88.62752
99.0	98.4000	102.23102

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	17	20.40	44.40	55.79	50.30	70.90	98.40

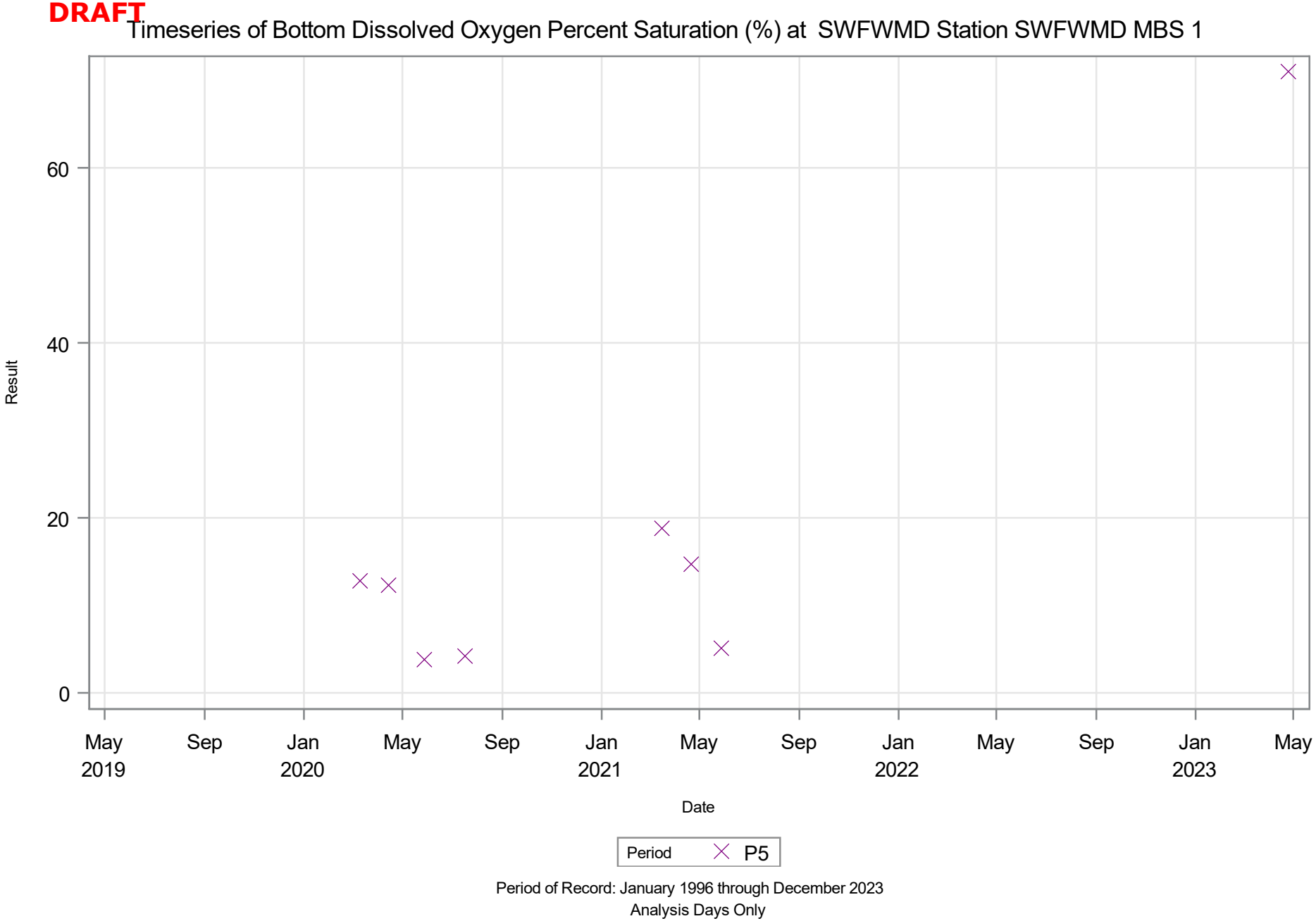
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD LHR16 SN 19237

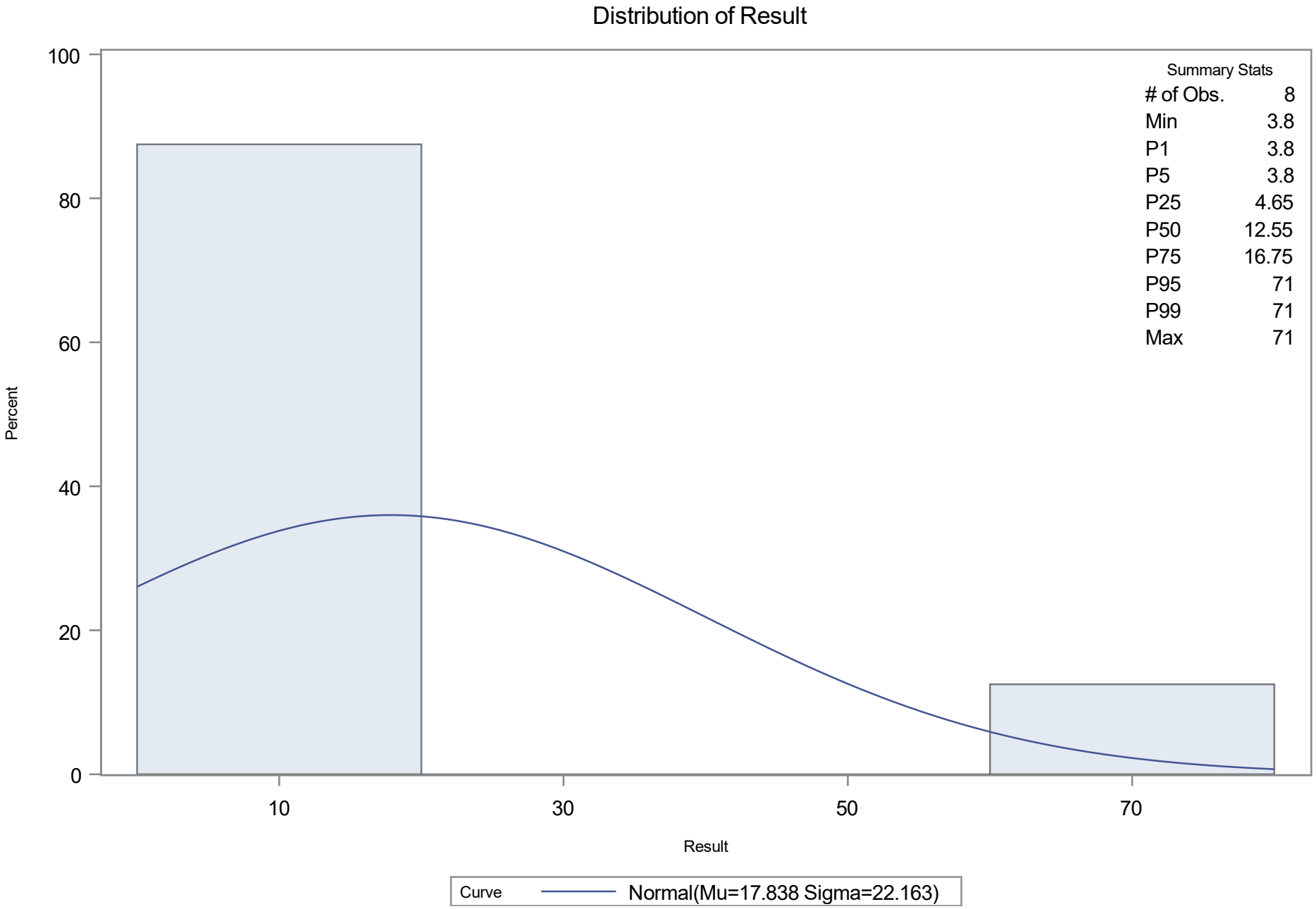
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1
Result
60
40
20
0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.8375
Std Dev	Sigma	22.16283

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.35767996	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.23231279	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.27198962	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.80000	-33.72096
5.0	3.80000	-18.61712
10.0	3.80000	-10.56532
25.0	4.65000	2.88890
50.0	12.55000	17.83750
75.0	16.75000	32.78610
90.0	71.00000	46.24032
95.0	71.00000	54.29212
99.0	71.00000	69.39596

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

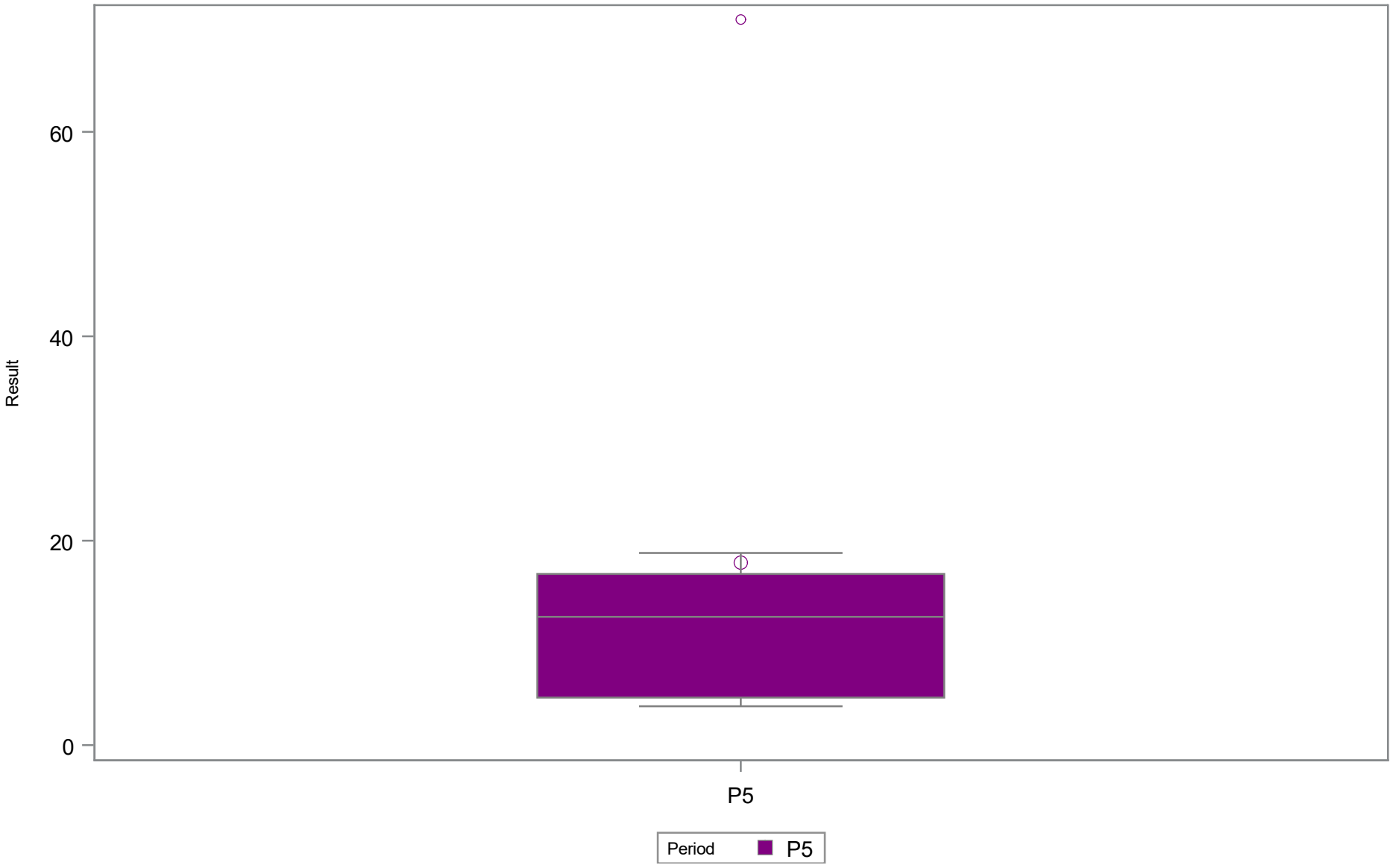
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	3.80	4.65	17.84	12.55	16.75	71.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

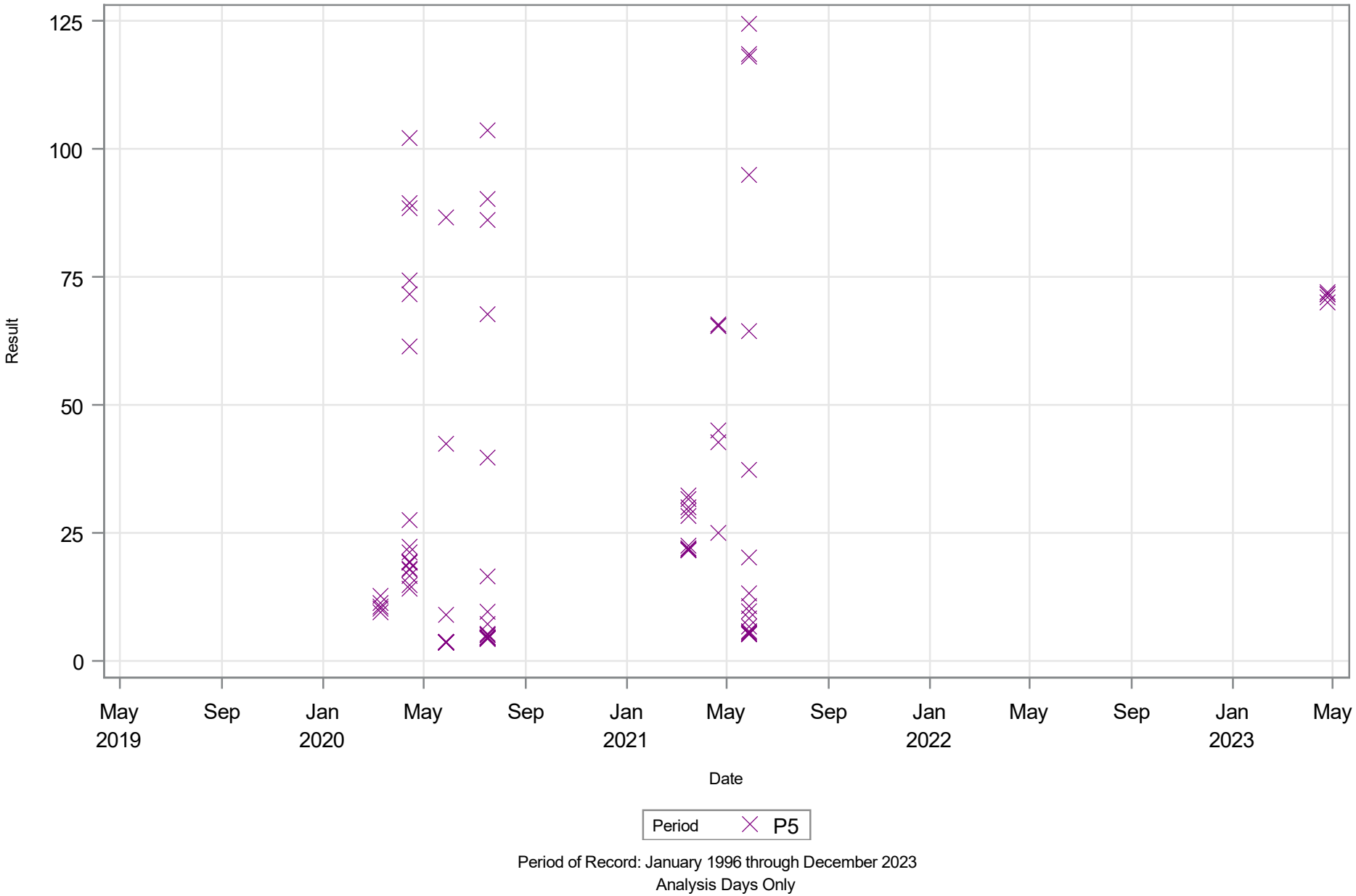
Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

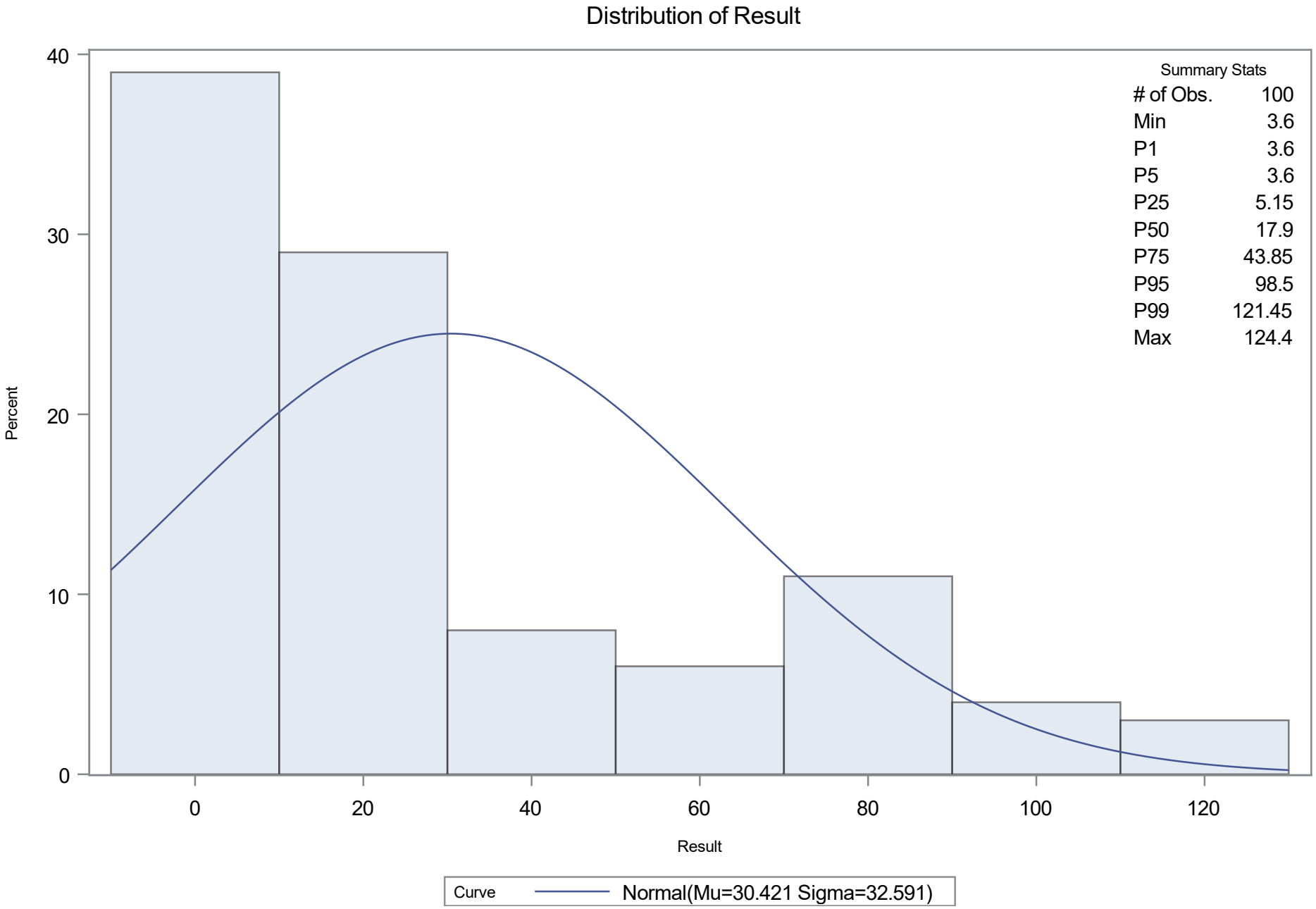
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	30.421
Std Dev	Sigma	32.59133

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23601284	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.48630238	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.05897903	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.60000	-45.39776
5.0	3.60000	-23.18696
10.0	3.70000	-11.34647
25.0	5.15000	8.43848
50.0	17.90000	30.42100
75.0	43.85000	52.40352
90.0	86.35000	72.18847
95.0	98.50000	84.02896
99.0	121.45000	106.23976

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

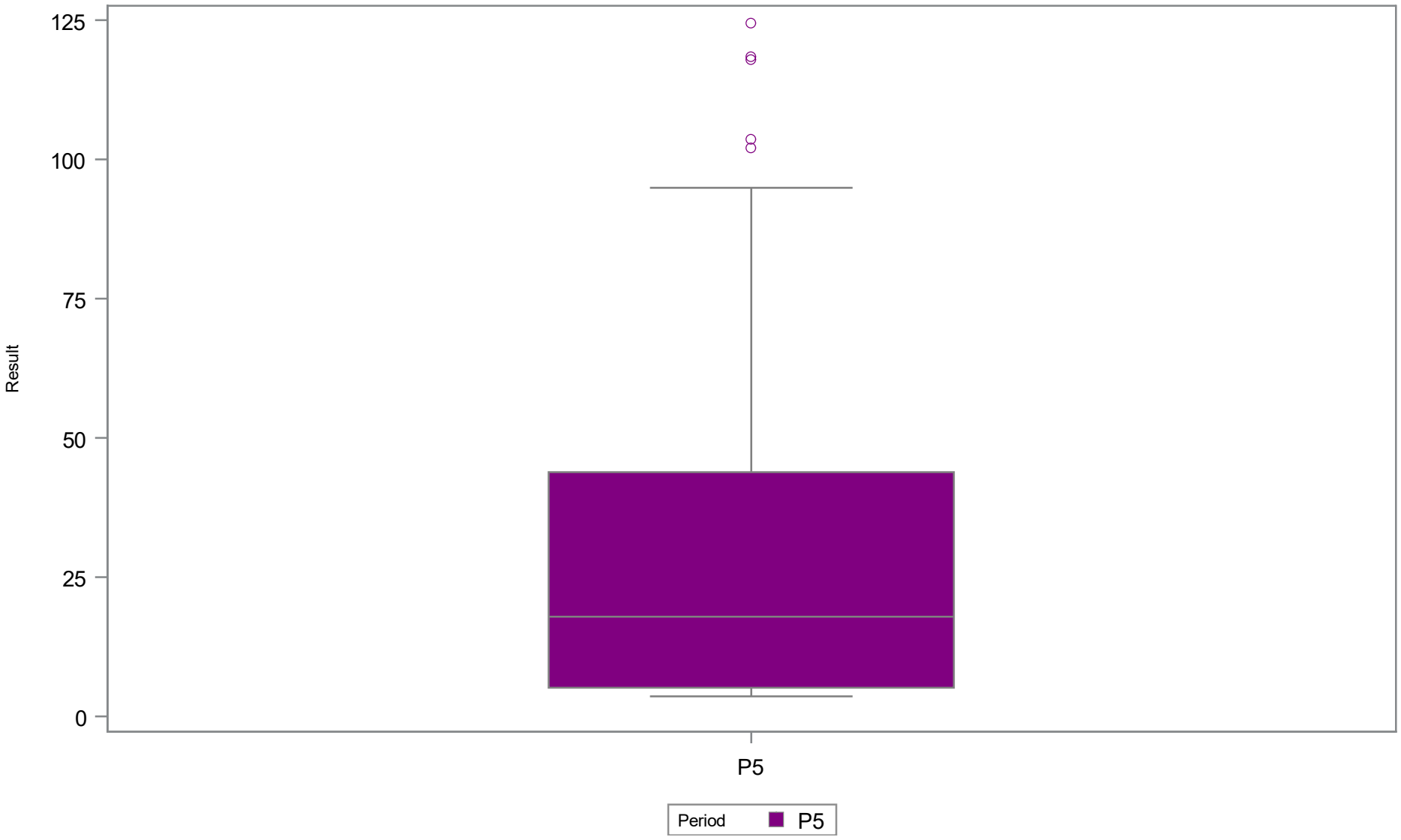
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	100	3.60	5.15	30.42	17.90	43.85	124.40

Period of Record: January 1996 through December 2023
Analysis Days Only

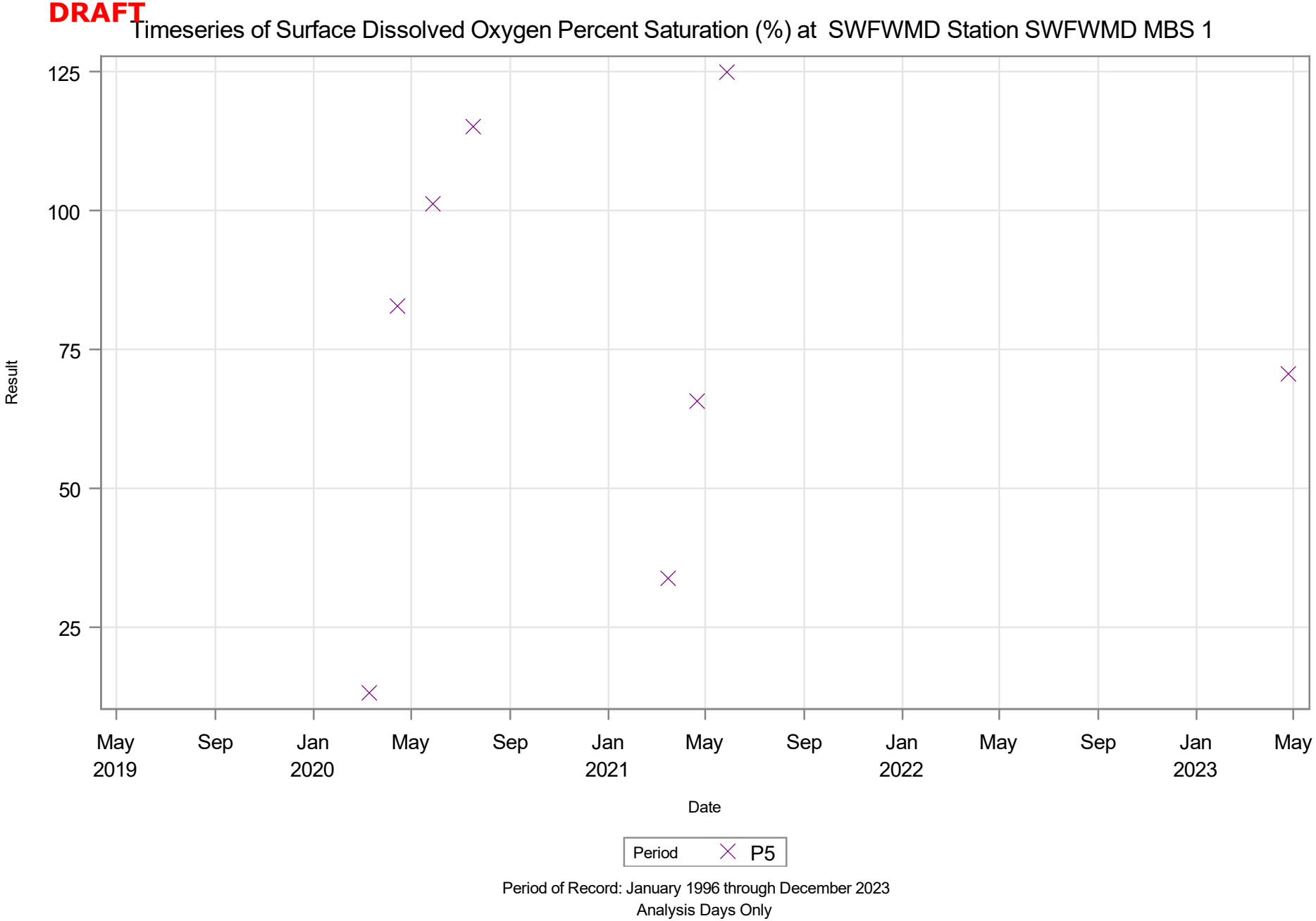
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1



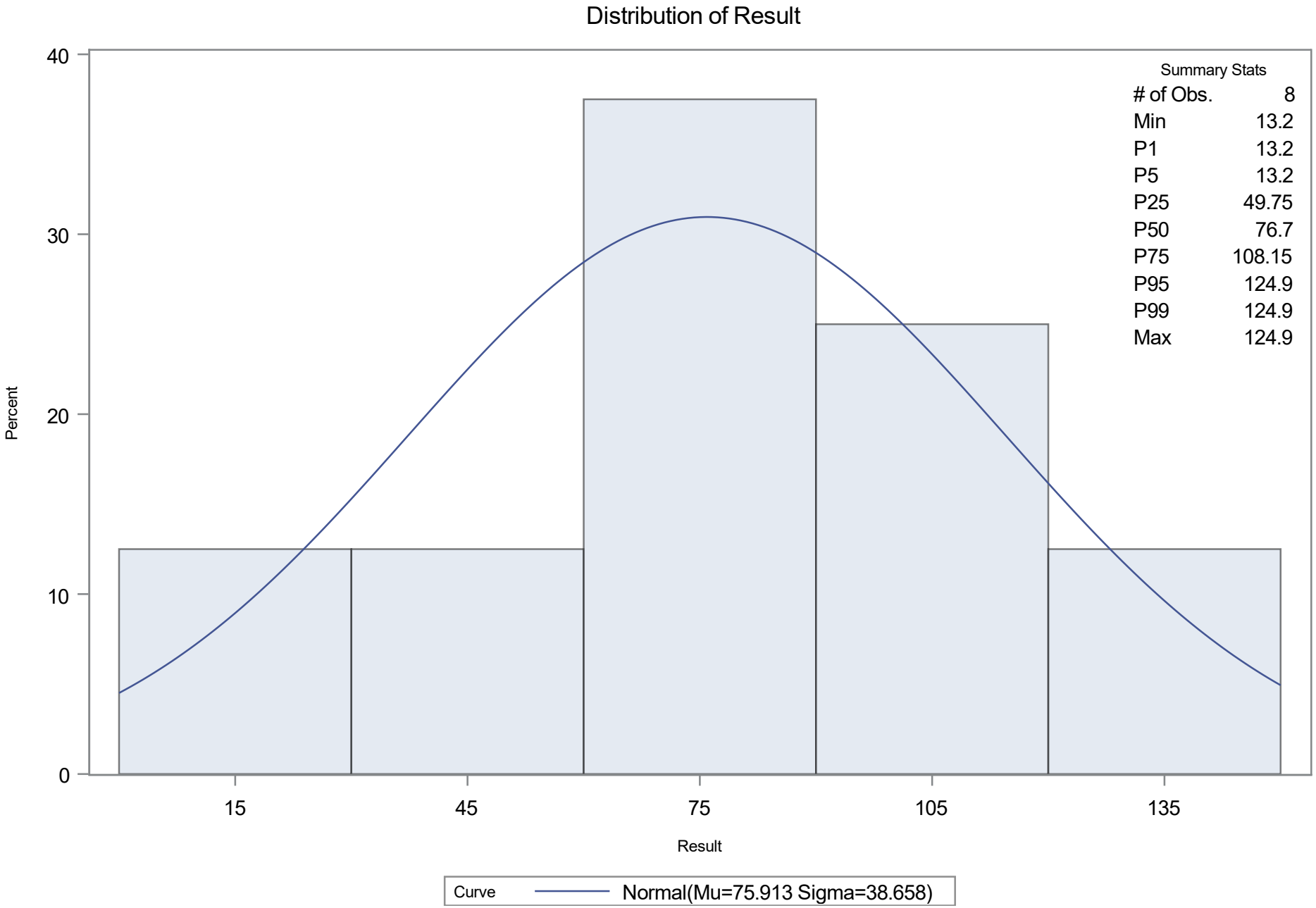
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1
125
100
75
50
25
Result
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.9125
Std Dev	Sigma	38.65815

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14582271	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02581166	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18548386	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.2000	-14.0198
5.0	13.2000	12.3255
10.0	13.2000	26.3701
25.0	49.7500	49.8380
50.0	76.7000	75.9125
75.0	108.1500	101.9870
90.0	124.9000	125.4549
95.0	124.9000	139.4995
99.0	124.9000	165.8448

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	13.20	49.75	75.91	76.70	108.15	124.90

Period of Record: January 1996 through December 2023
Analysis Days Only

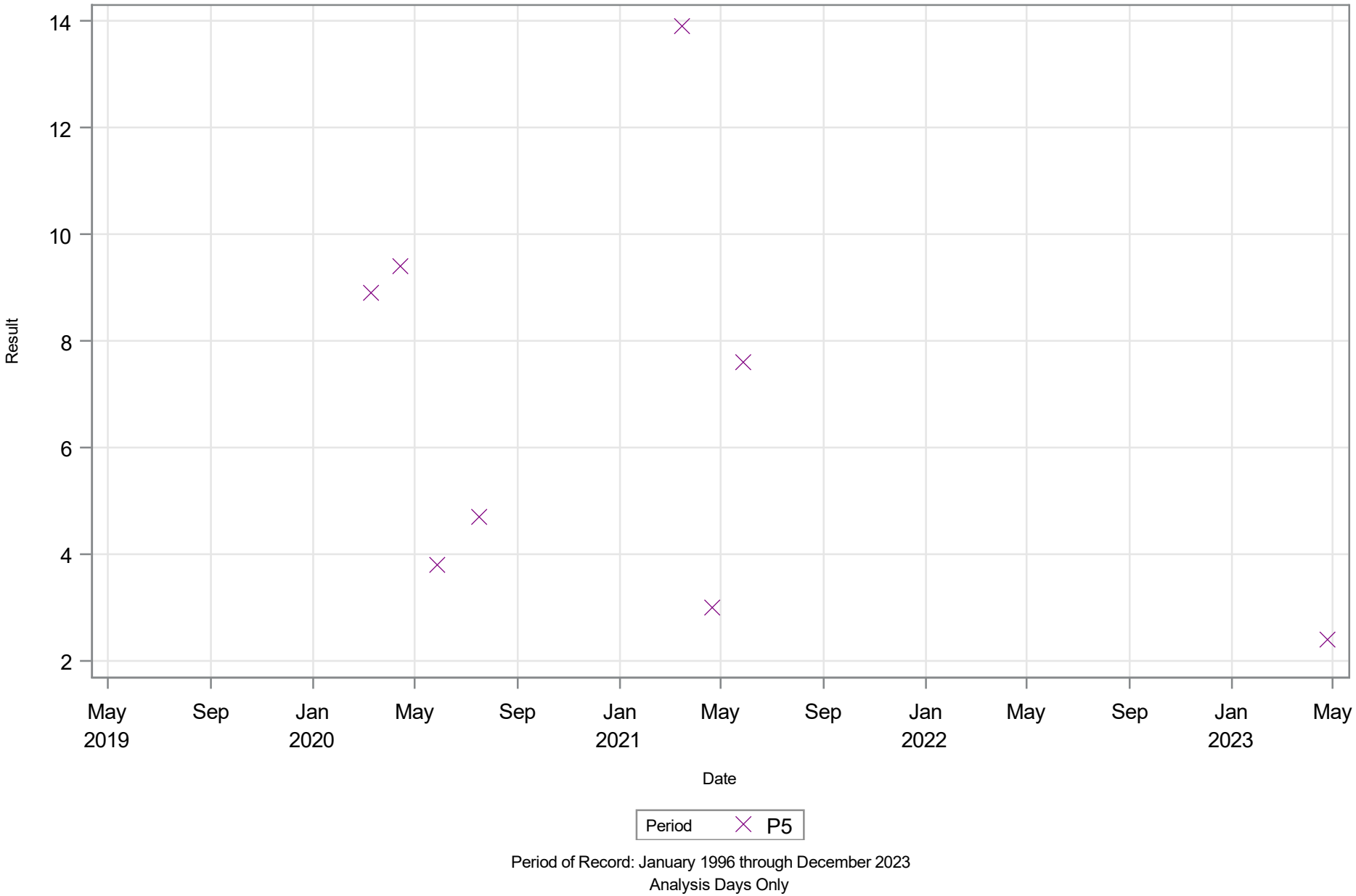
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 1

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

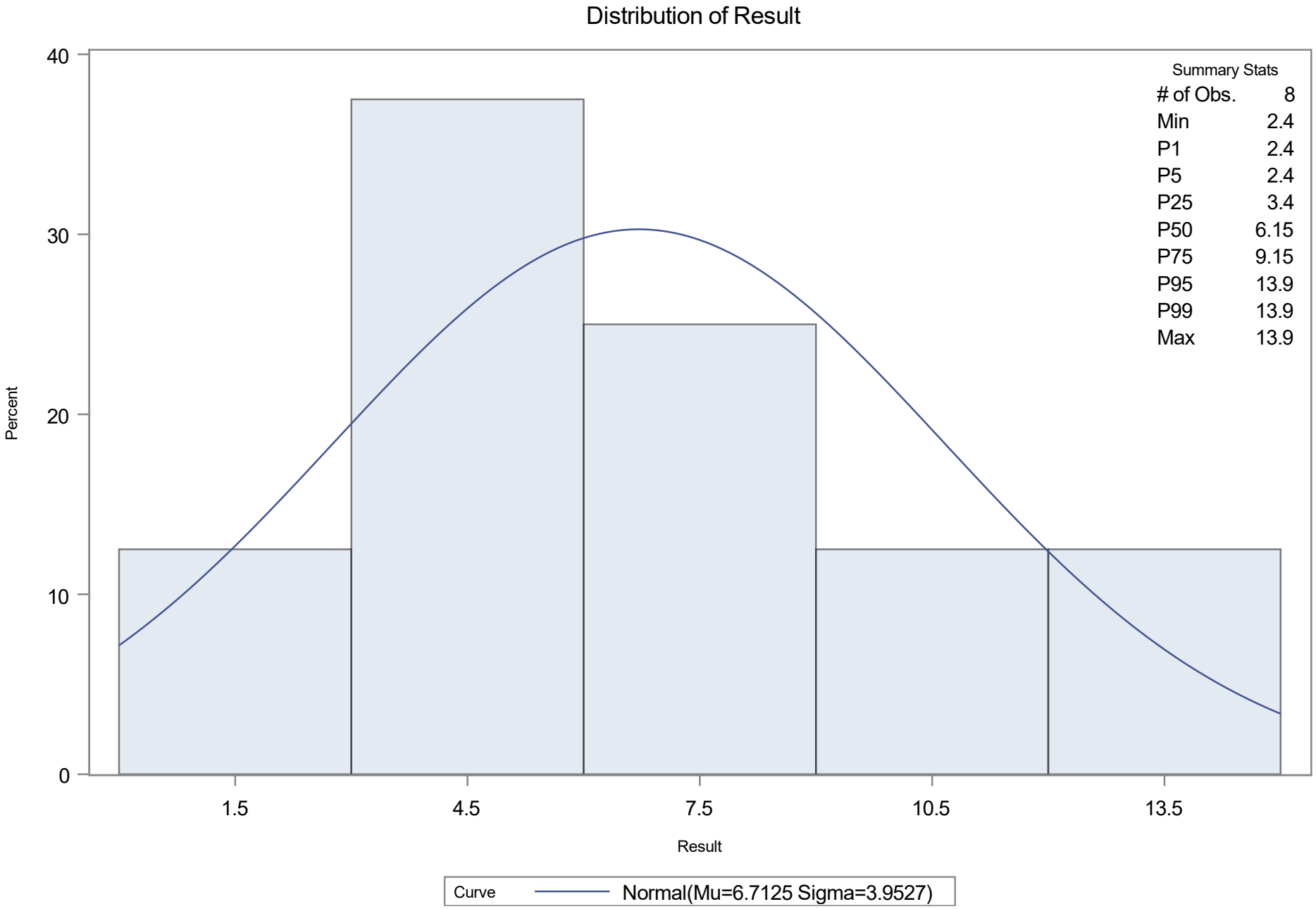
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.7125
Std Dev	Sigma	3.952734

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19467339	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04610234	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30820944	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.40000	-2.48293
5.0	2.40000	0.21083
10.0	2.40000	1.64687
25.0	3.40000	4.04642
50.0	6.15000	6.71250
75.0	9.15000	9.37858
90.0	13.90000	11.77813
95.0	13.90000	13.21417
99.0	13.90000	15.90793

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	2.40	3.40	6.71	6.15	9.15	13.90

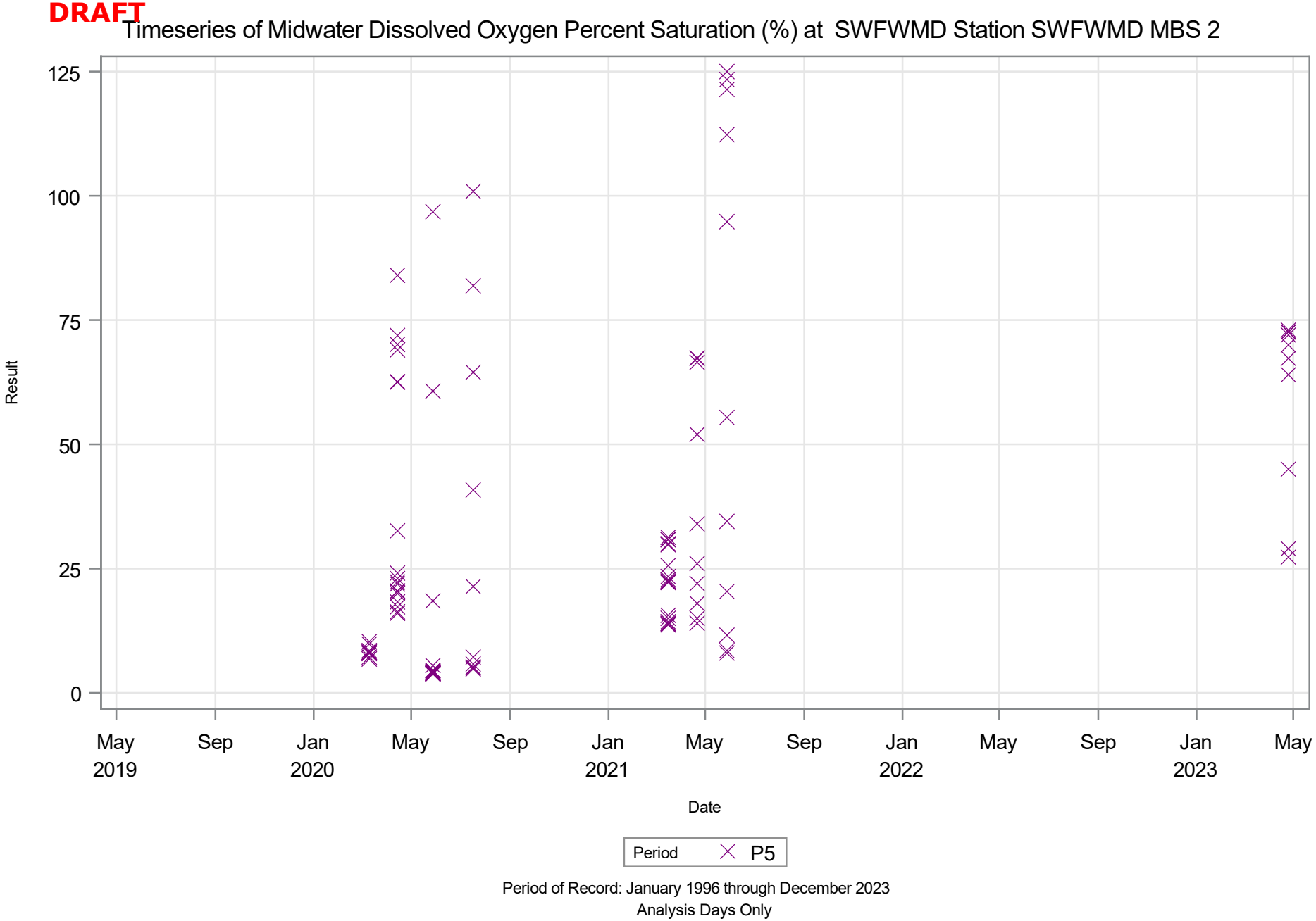
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

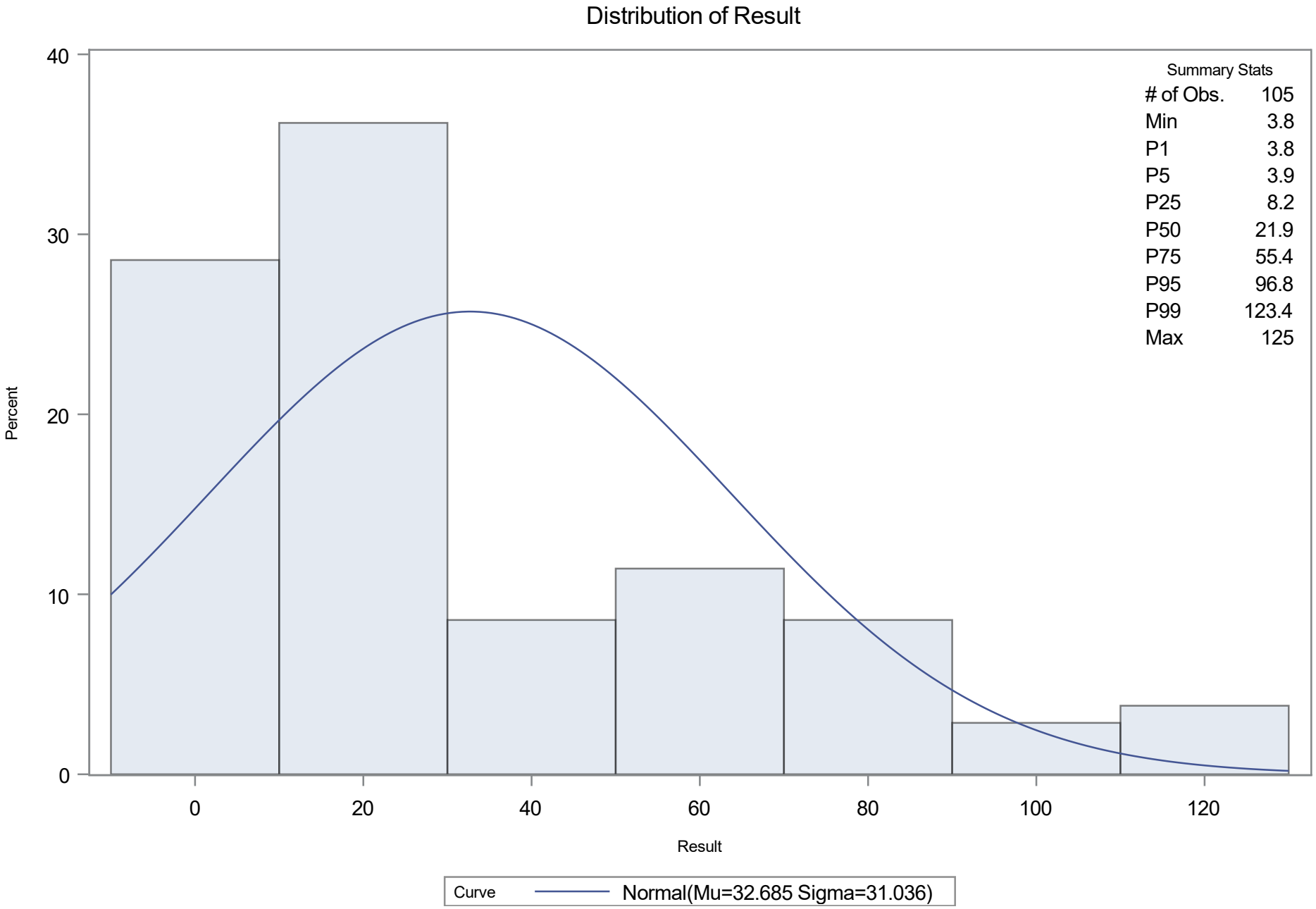
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2
Result
125
100
75
50
25
0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	32.68476
Std Dev	Sigma	31.03639

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20895755	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.24059822	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.66008974	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.80000	-39.51668
5.0	3.90000	-18.36556
10.0	4.30000	-7.08998
25.0	8.20000	11.75103
50.0	21.90000	32.68476
75.0	55.40000	53.61849
90.0	72.60000	72.45950
95.0	96.80000	83.73508
99.0	123.40000	104.88621

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	105	3.80	8.20	32.68	21.90	55.40	125.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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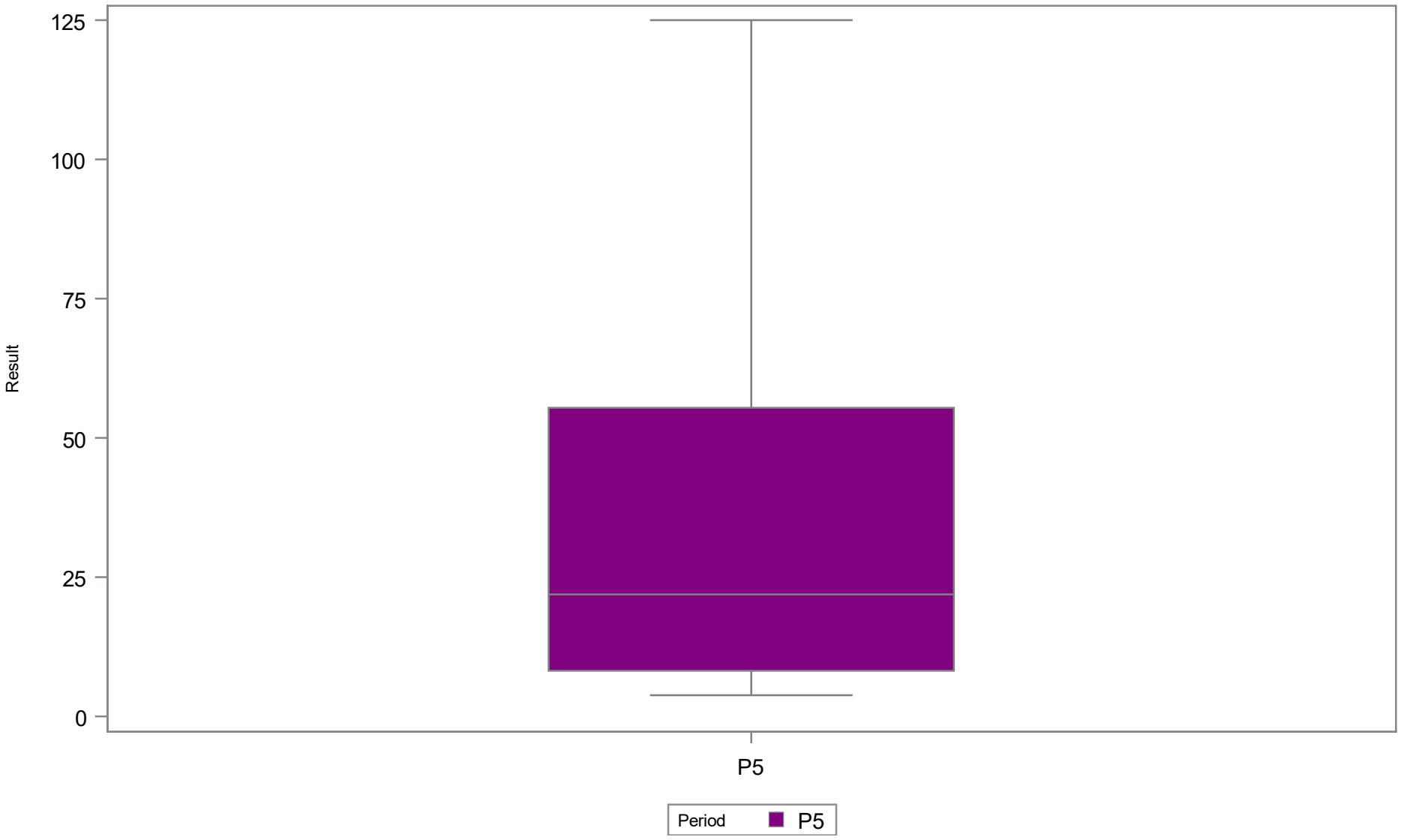
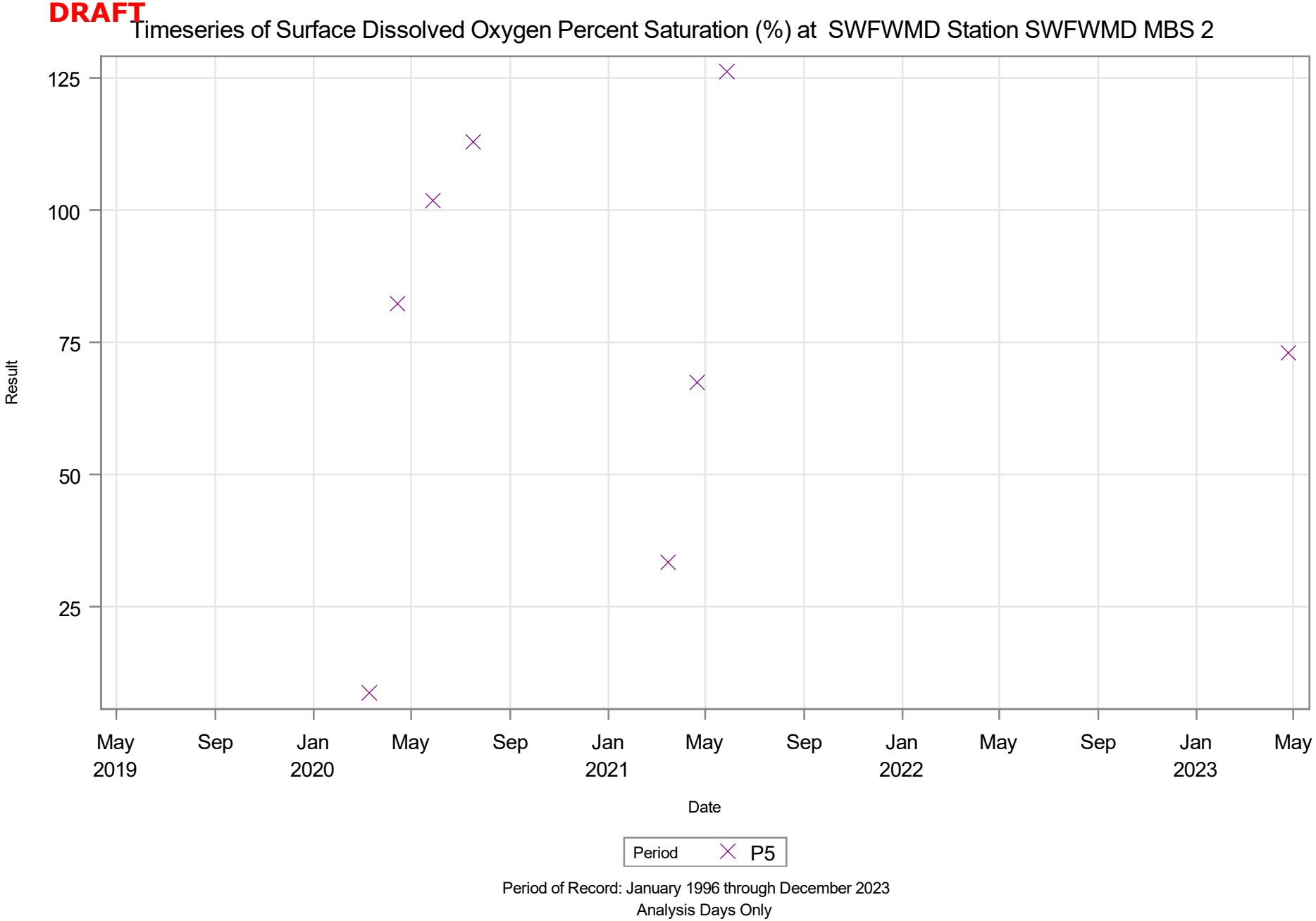
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2



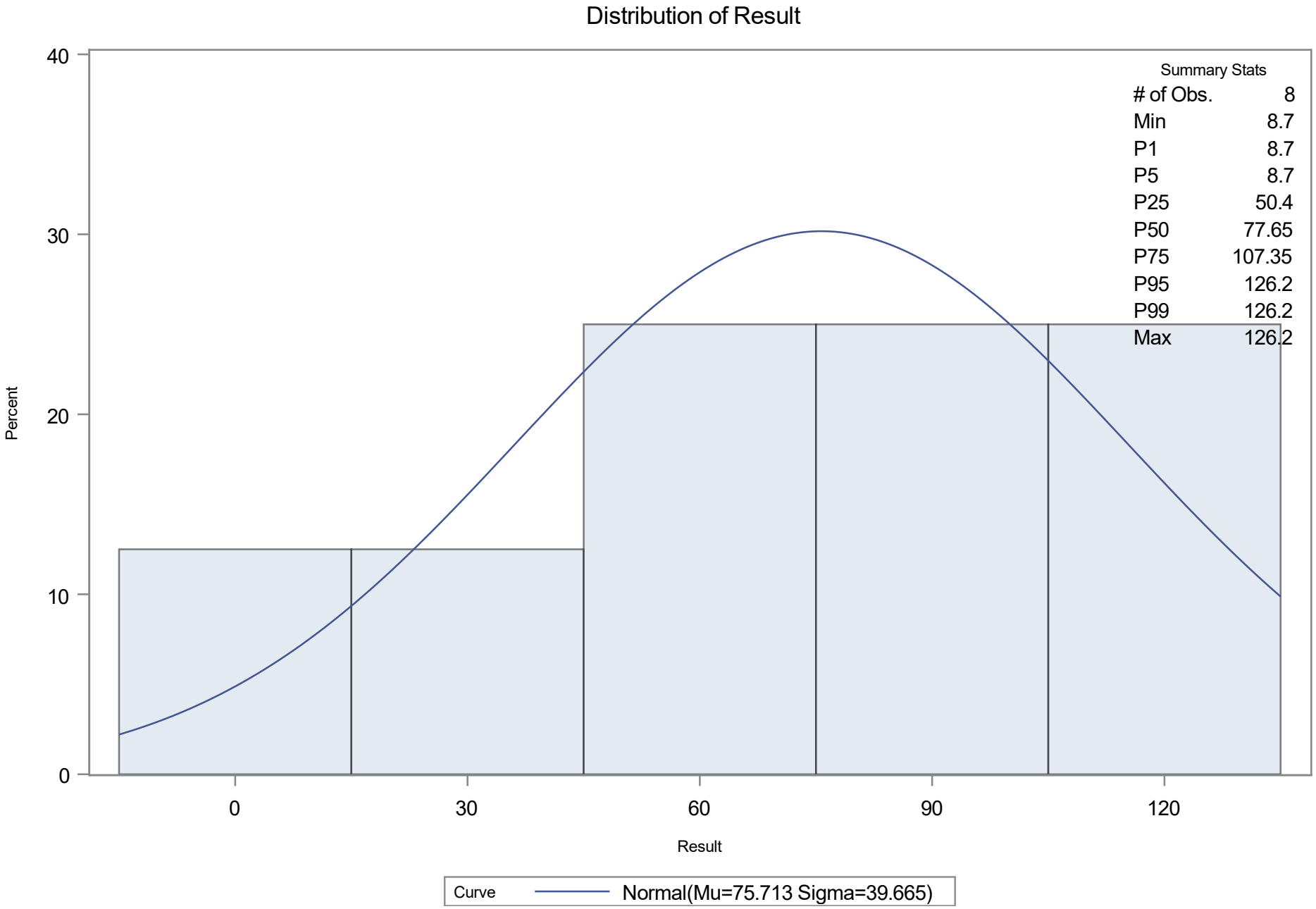
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2
125
100
75
50
25
Result
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	75.7125
Std Dev	Sigma	39.66526

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16700311	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02981807	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20009538	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8.70000	-16.5627
5.0	8.70000	10.4690
10.0	8.70000	24.8794
25.0	50.40000	48.9587
50.0	77.65000	75.7125
75.0	107.35000	102.4663
90.0	126.20000	126.5456
95.0	126.20000	140.9560
99.0	126.20000	167.9877

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	8.70	50.40	75.71	77.65	107.35	126.20

Period of Record: January 1996 through December 2023
Analysis Days Only

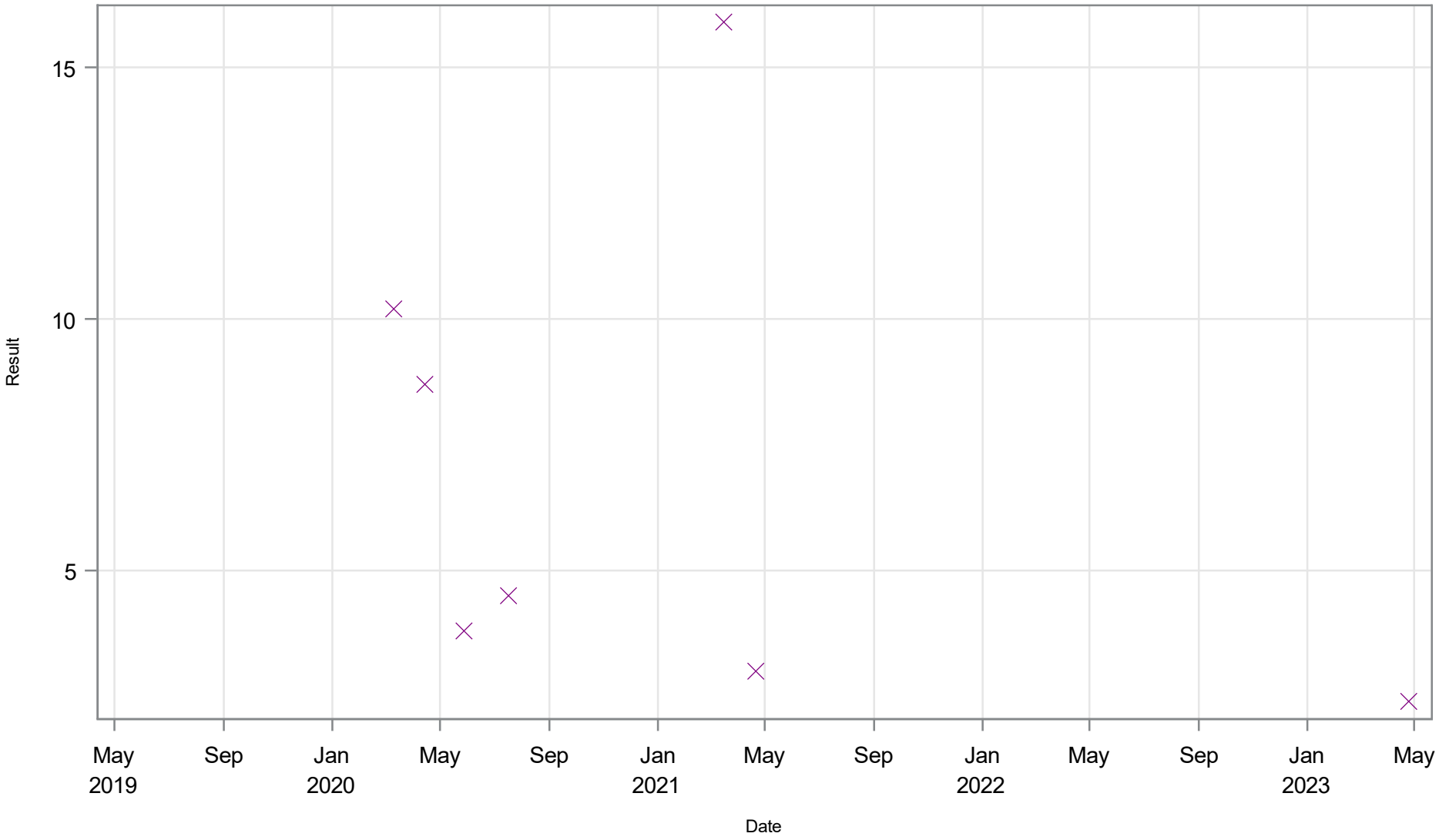
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 2

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

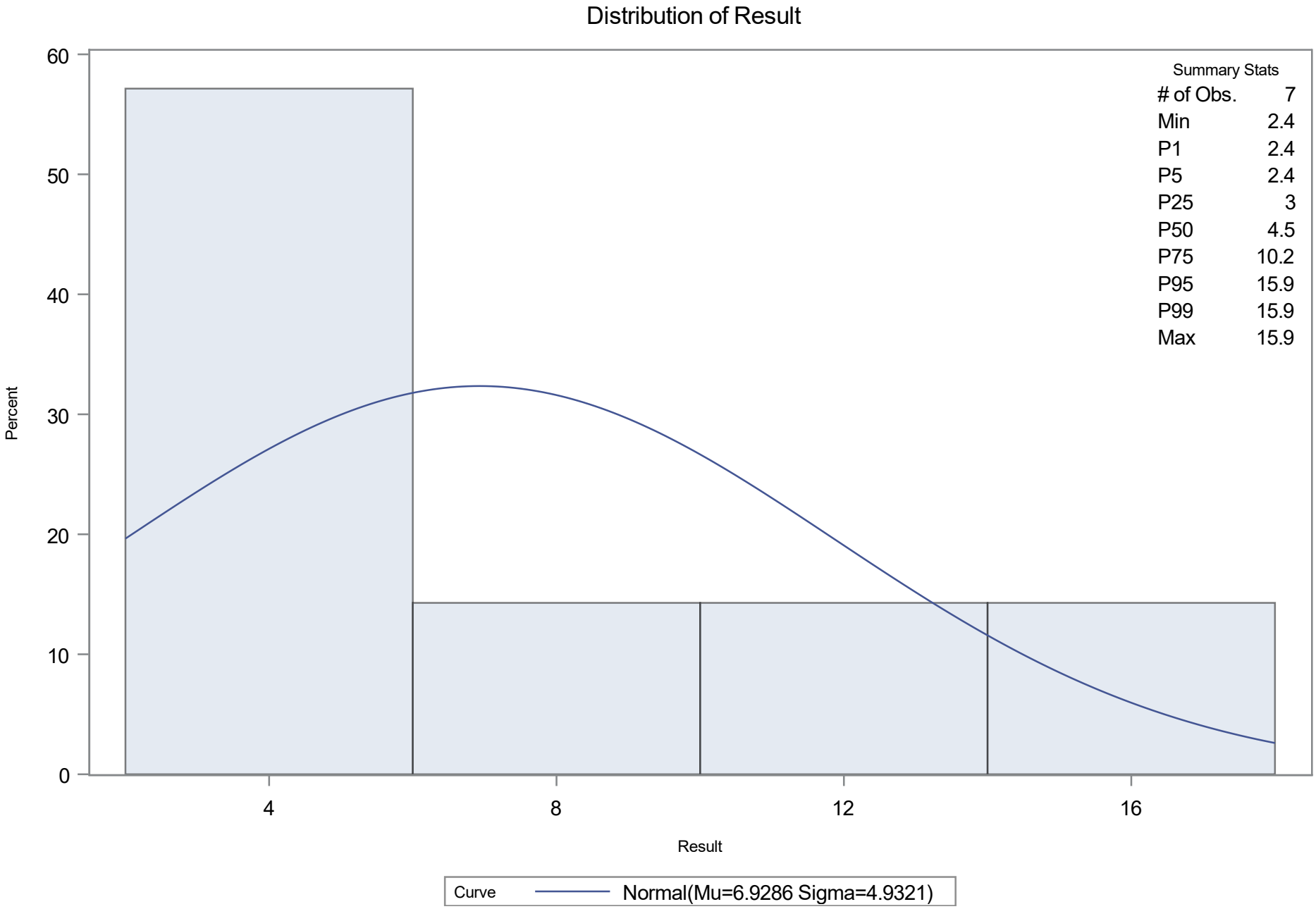
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.928571
Std Dev	Sigma	4.932111

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26021029	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07096577	**Pr > W-Sq**	0.238
Anderson-Darling	**A-Sq**	0.43555735	**Pr > A-Sq**	0.215

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.40000	-4.54523
5.0	2.40000	-1.18403
10.0	2.40000	0.60782
25.0	3.00000	3.60191
50.0	4.50000	6.92857
75.0	10.20000	10.25523
90.0	15.90000	13.24933
95.0	15.90000	15.04117
99.0	15.90000	18.40238

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

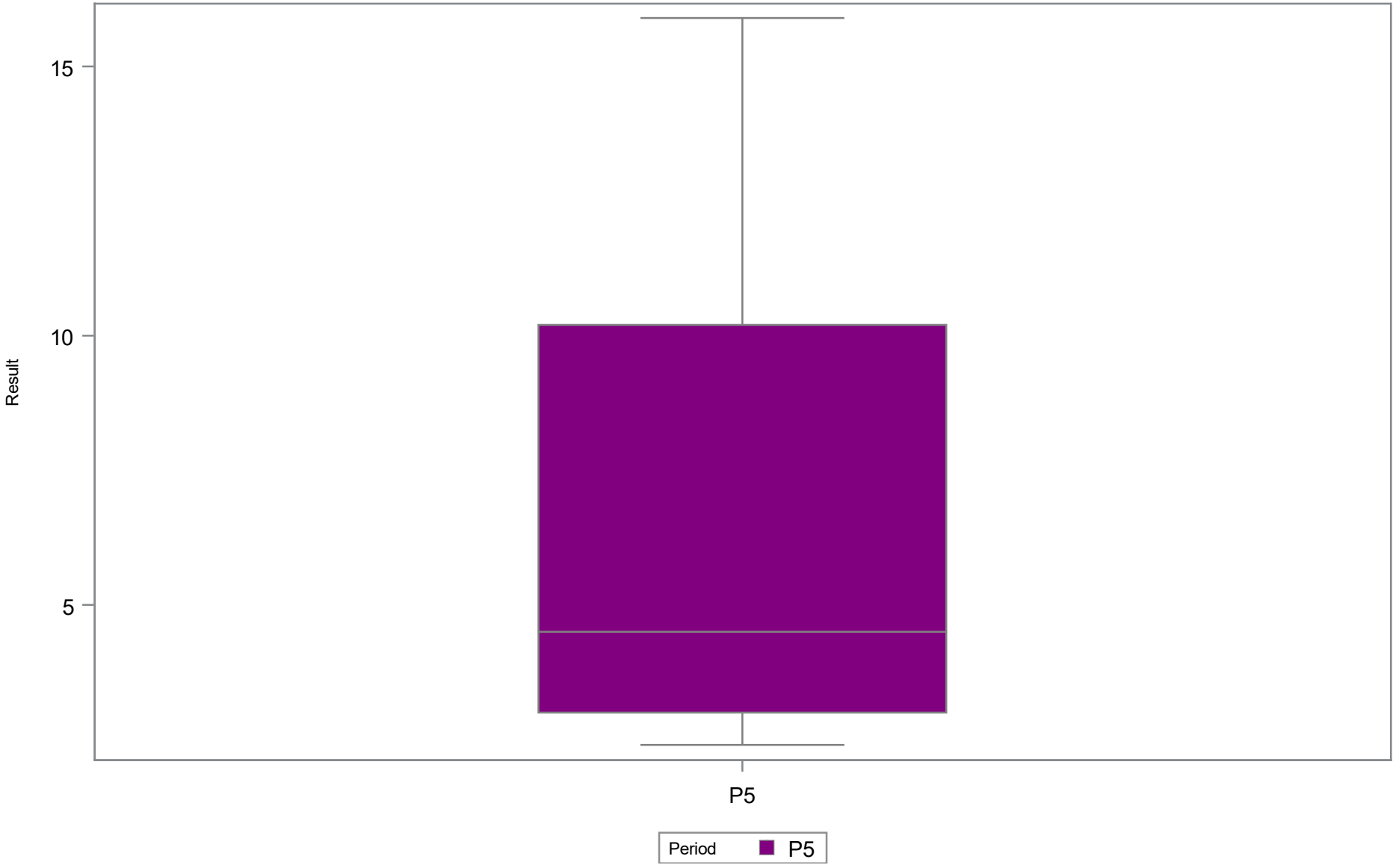
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	7	2.40	3.00	6.93	4.50	10.20	15.90

Period of Record: January 1996 through December 2023
Analysis Days Only

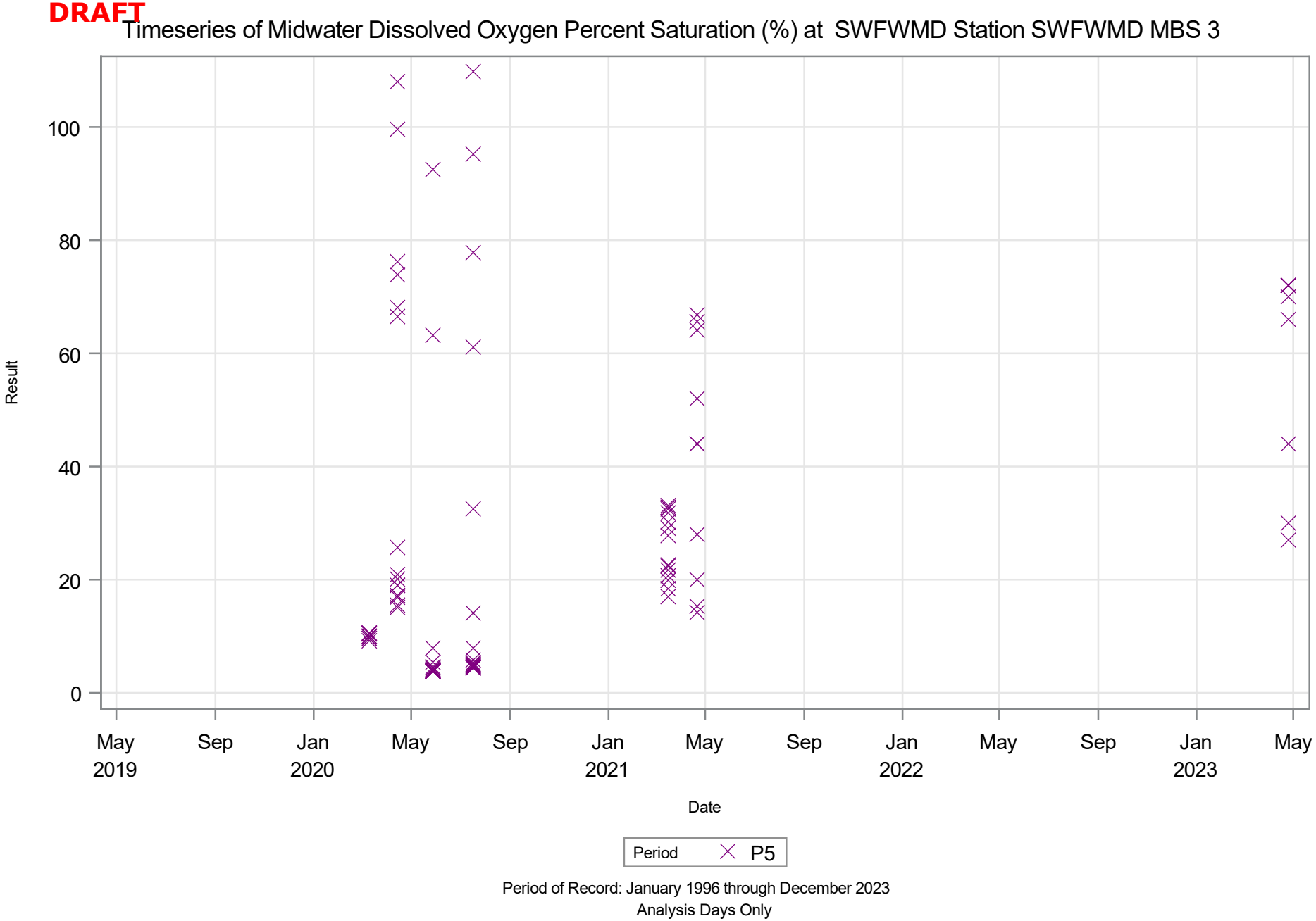
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3



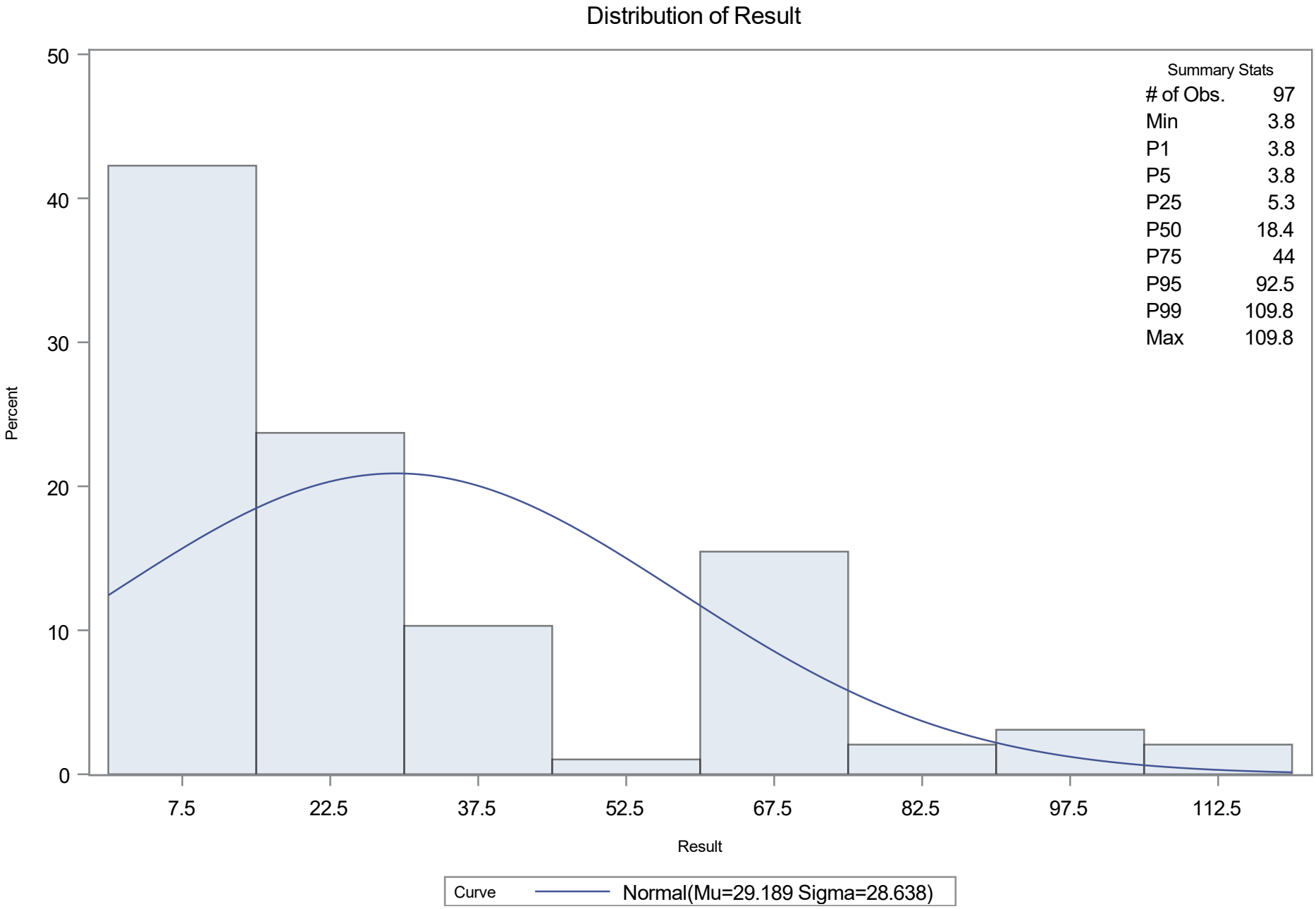
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3
Result
100
80
60
40
20
0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	29.18866
Std Dev	Sigma	28.63804

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19922746	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.19724544	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.67539470	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.80000	-37.43338
5.0	3.80000	-17.91672
10.0	4.00000	-7.51246
25.0	5.30000	9.87260
50.0	18.40000	29.18866
75.0	44.00000	48.50472
90.0	72.00000	65.88978
95.0	92.50000	76.29404
99.0	109.80000	95.81070

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

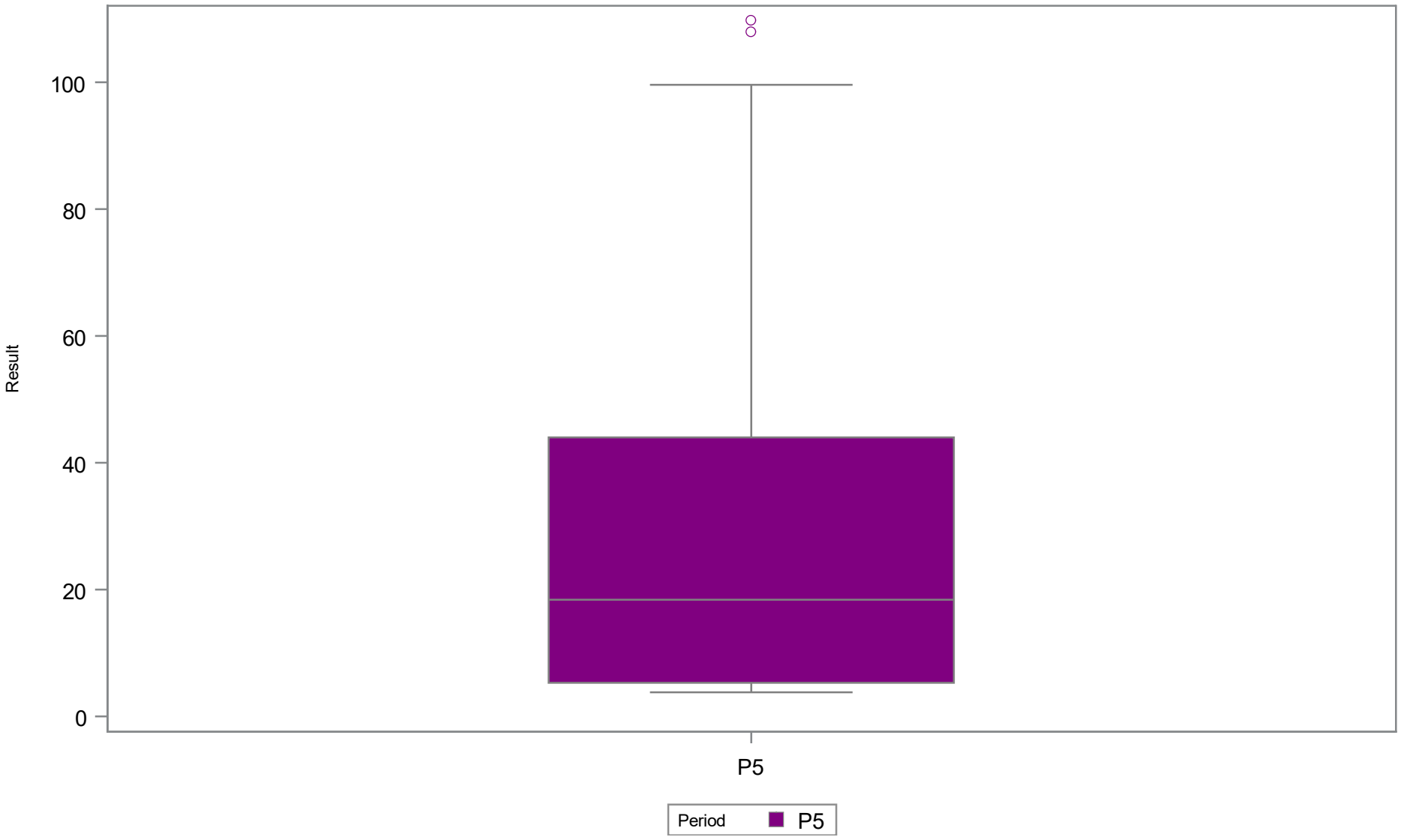
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	97	3.80	5.30	29.19	18.40	44.00	109.80

Period of Record: January 1996 through December 2023
Analysis Days Only

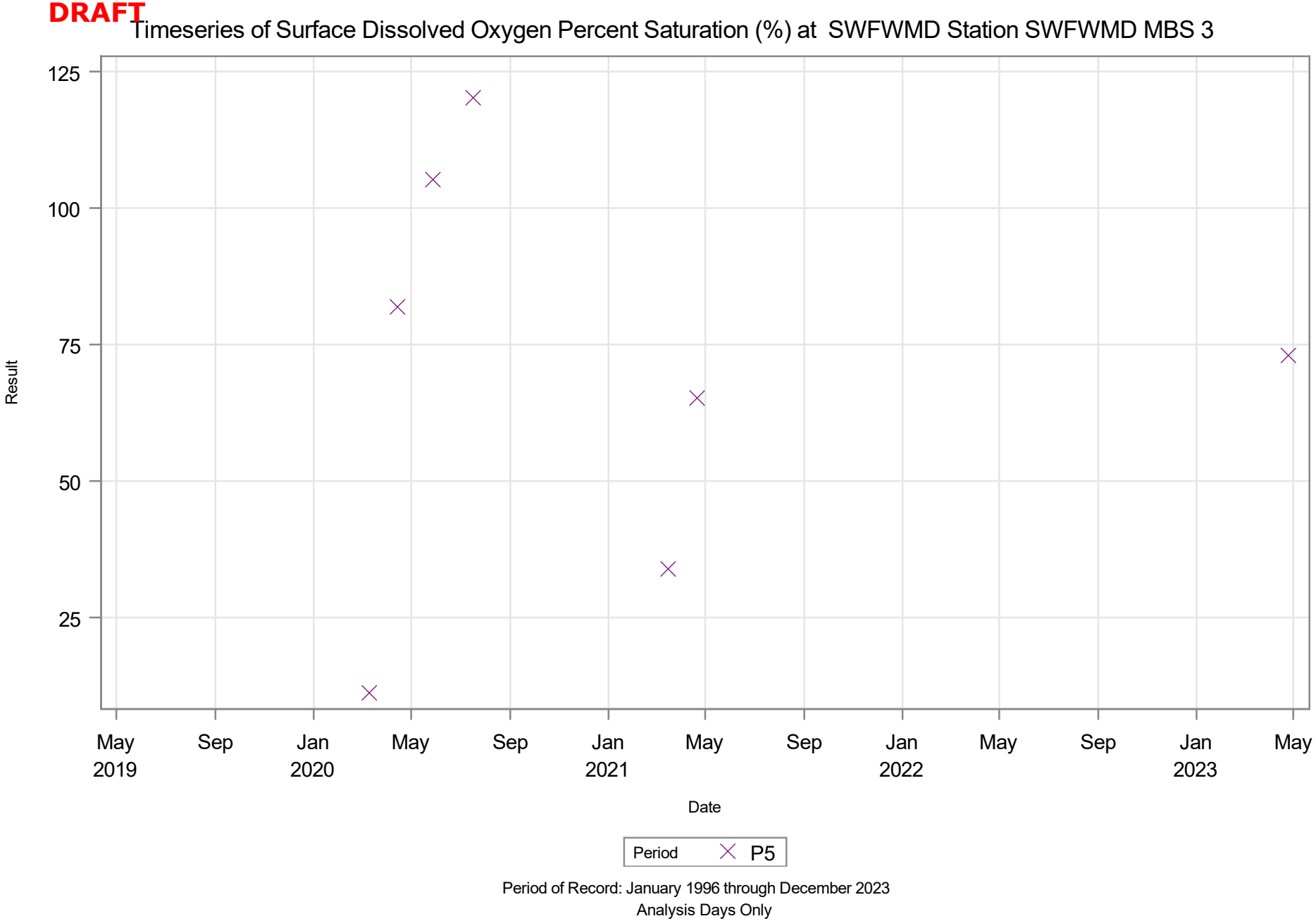
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3



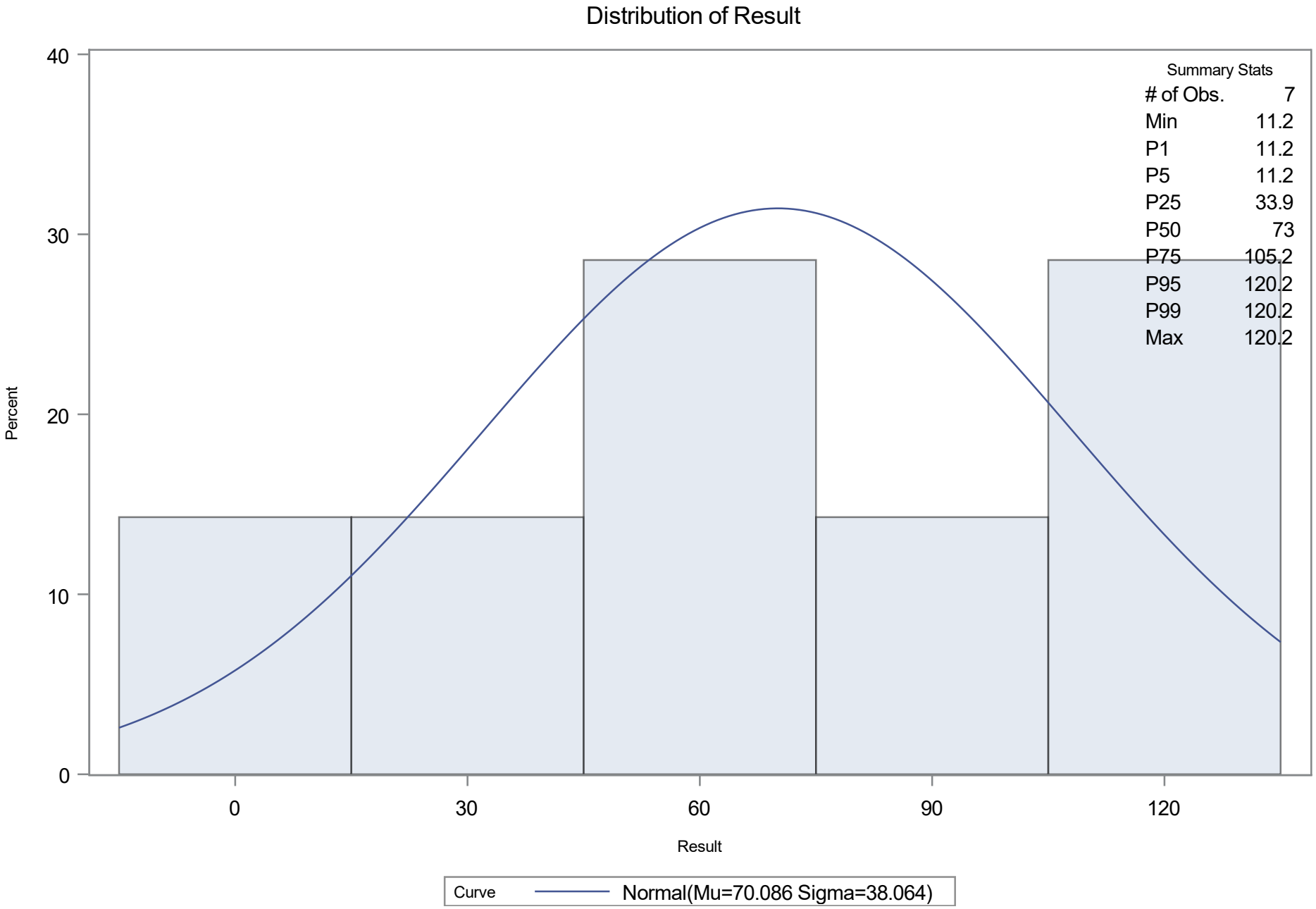
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3
125
100
75
50
25
Result
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	70.08571
Std Dev	Sigma	38.06426

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16321999	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02551158	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.17053582	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.2000	-18.46500
5.0	11.2000	7.47557
10.0	11.2000	21.30440
25.0	33.9000	44.41176
50.0	73.0000	70.08571
75.0	105.2000	95.75967
90.0	120.2000	118.86703
95.0	120.2000	132.69585
99.0	120.2000	158.63643

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	7	11.20	33.90	70.09	73.00	105.20	120.20

Period of Record: January 1996 through December 2023
Analysis Days Only

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Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at SWFWMD Station SWFWMD MBS 3

Period of Record: January 1996 through December 2023
Analysis Days Only

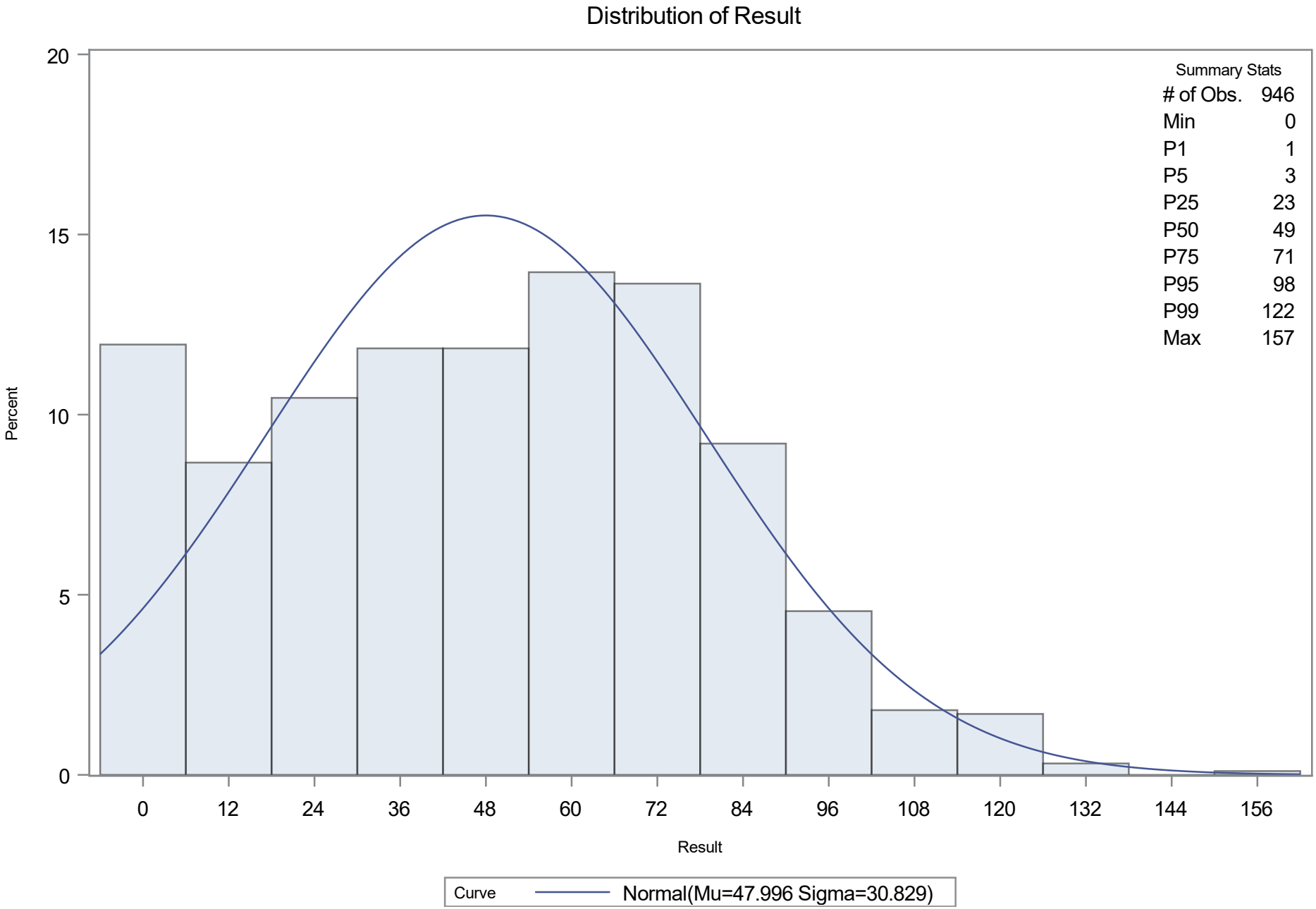
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	47.99577
Std Dev	Sigma	30.82945

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07097956	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.77261071	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.87618092	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-23.72425
5.0	3.00000	-2.71416
10.0	4.00000	8.48624
25.0	23.00000	27.20162
50.0	49.00000	47.99577
75.0	71.00000	68.78992
90.0	88.00000	87.50530
95.0	98.00000	98.70570
99.0	122.00000	119.71580

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

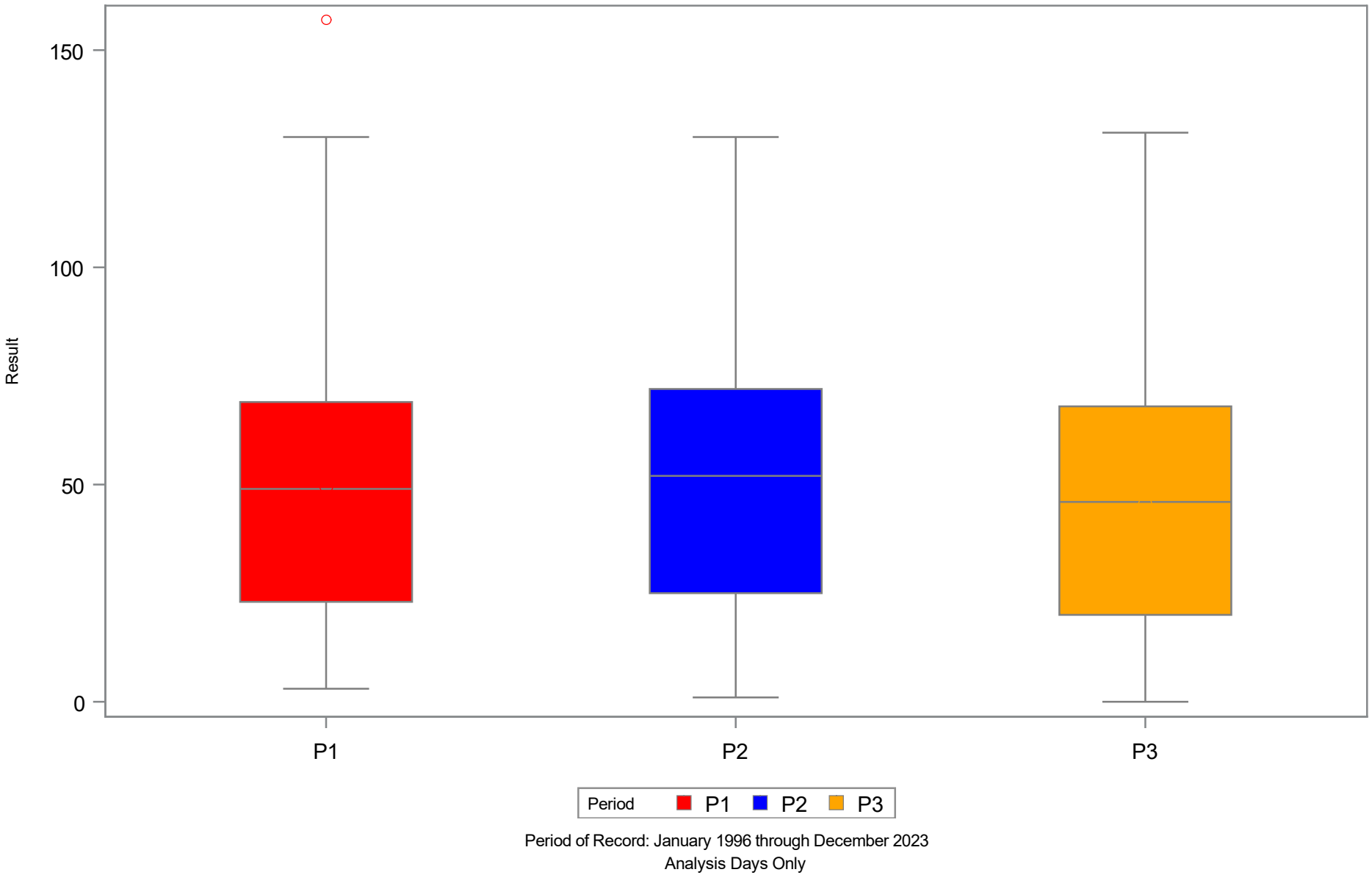
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	3.00	23.00	49.63	49.00	69.00	157.00
P2	420	1.00	25.00	49.55	52.00	72.00	130.00
P3	360	0.00	20.00	45.43	46.00	68.00	131.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

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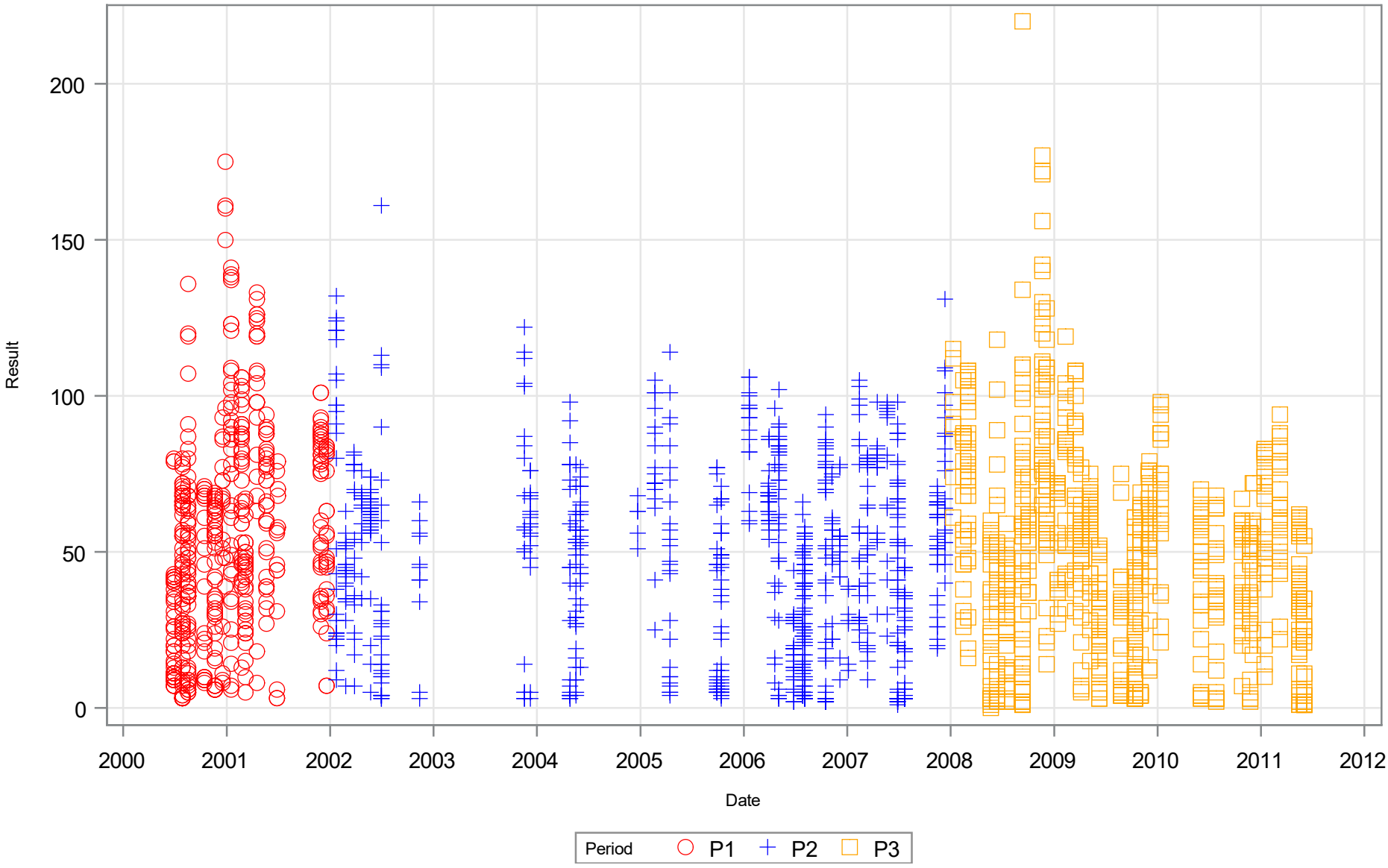
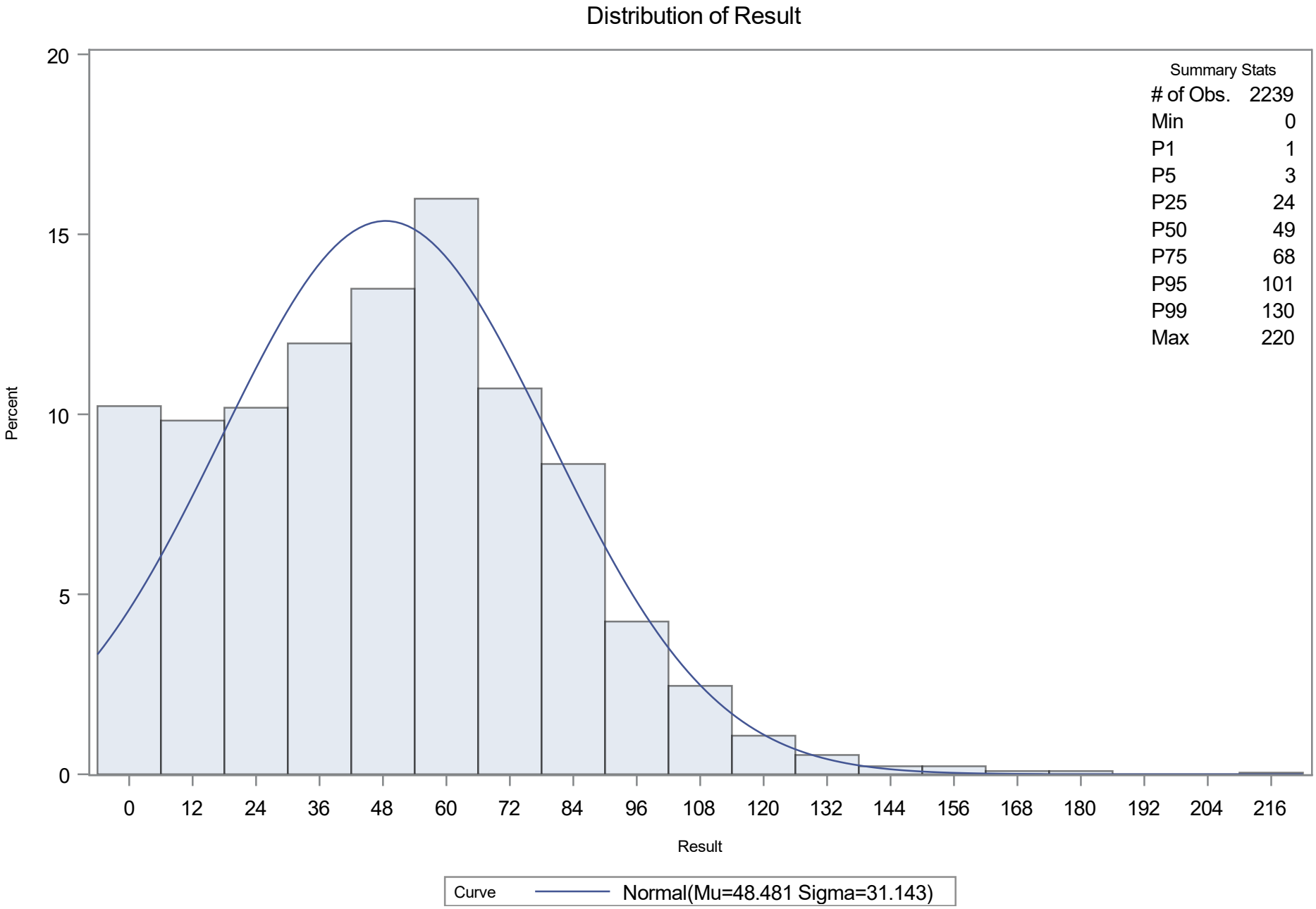
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	48.48146
Std Dev	Sigma	31.14318

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0632305	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.0390017	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.3231895	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-23.96841
5.0	3.00000	-2.74451
10.0	5.00000	8.56987
25.0	24.00000	27.47571
50.0	49.00000	48.48146
75.0	68.00000	69.48722
90.0	88.00000	88.39306
95.0	101.00000	99.70744
99.0	130.00000	120.93134

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

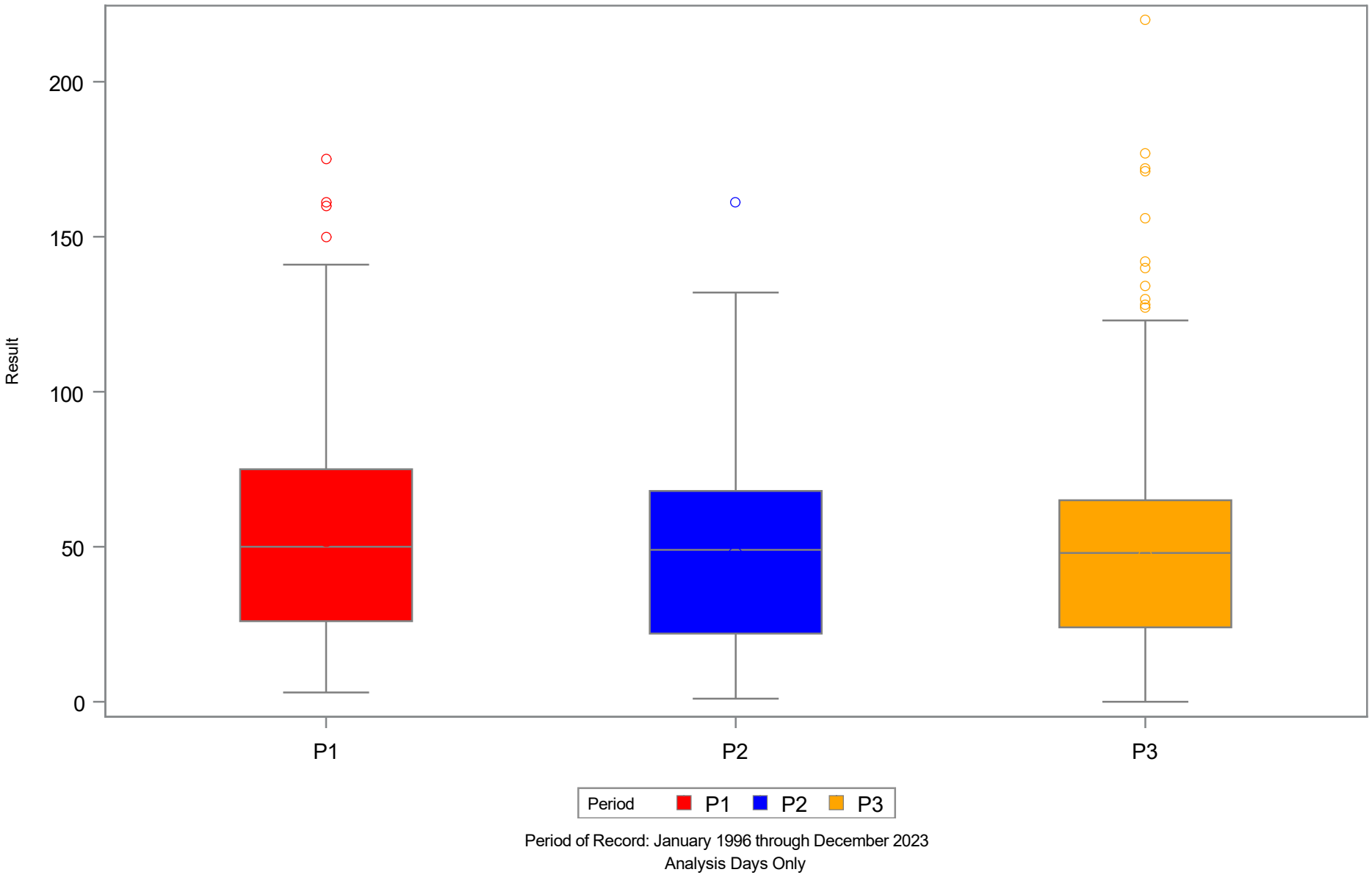
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	502	3.00	26.00	52.31	50.00	75.00	175.00
P2	857	1.00	22.00	47.65	49.00	68.00	161.00
P3	880	0.00	24.00	47.11	48.00	65.00	220.00

Period of Record: January 1996 through December 2023
Analysis Days Only

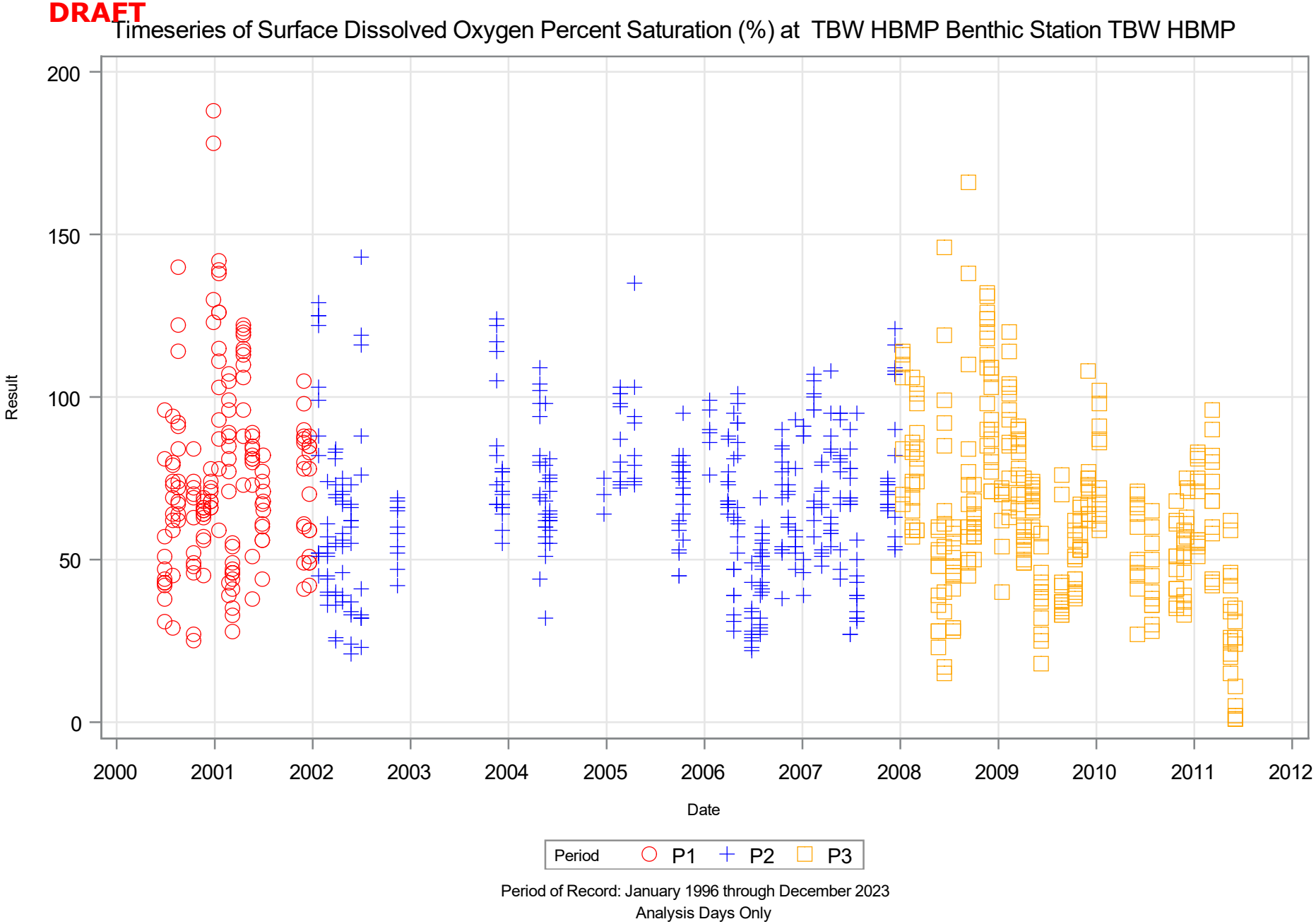
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP



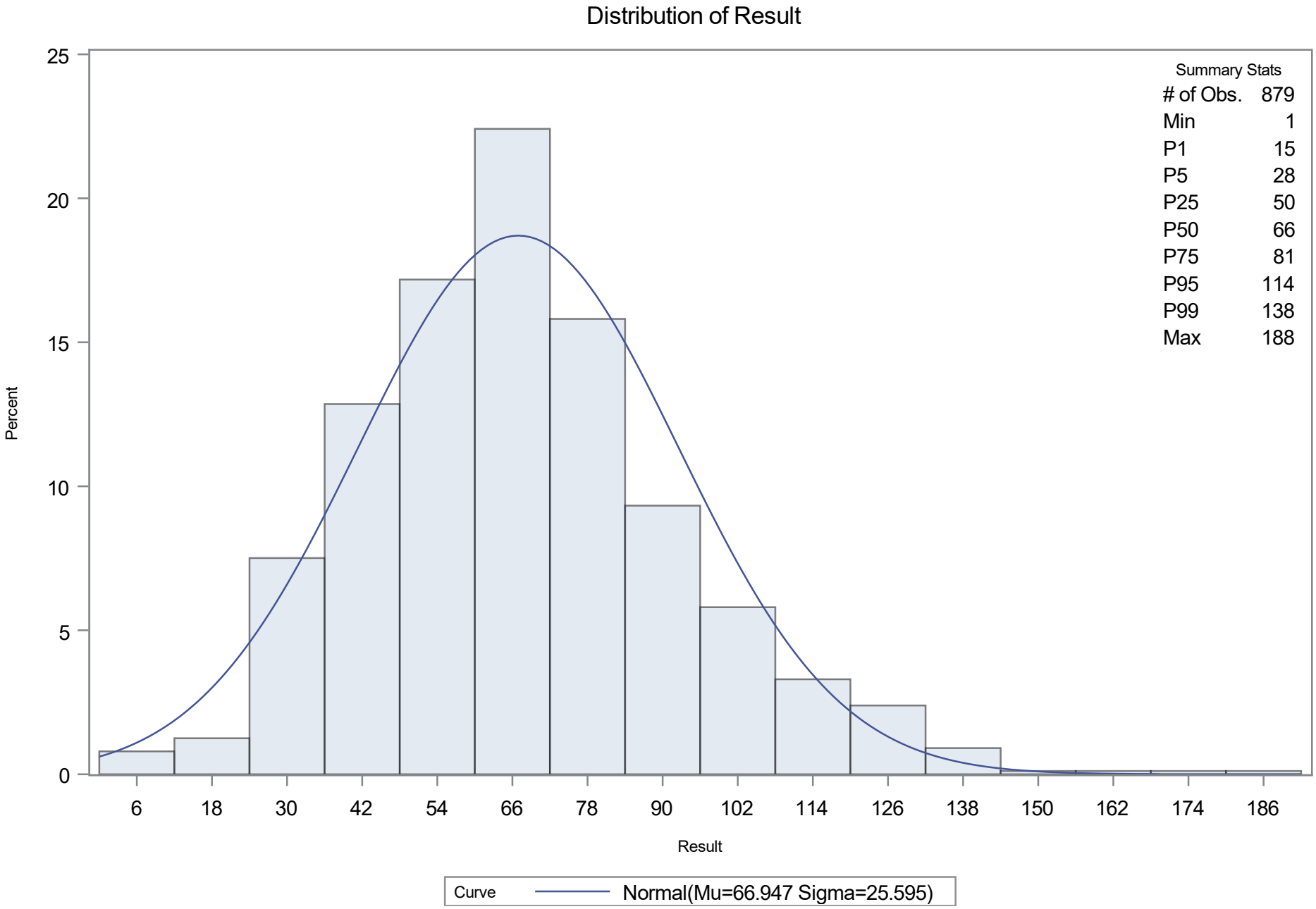
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP
Result
200
150
100
50
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	66.94653
Std Dev	Sigma	25.59498

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06606552	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.62202169	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.84414348	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0000	7.40370
5.0	28.0000	24.84653
10.0	36.0000	34.14524
25.0	50.0000	49.68298
50.0	66.0000	66.94653
75.0	81.0000	84.21008
90.0	101.0000	99.74782
95.0	114.0000	109.04653
99.0	138.0000	126.48936

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

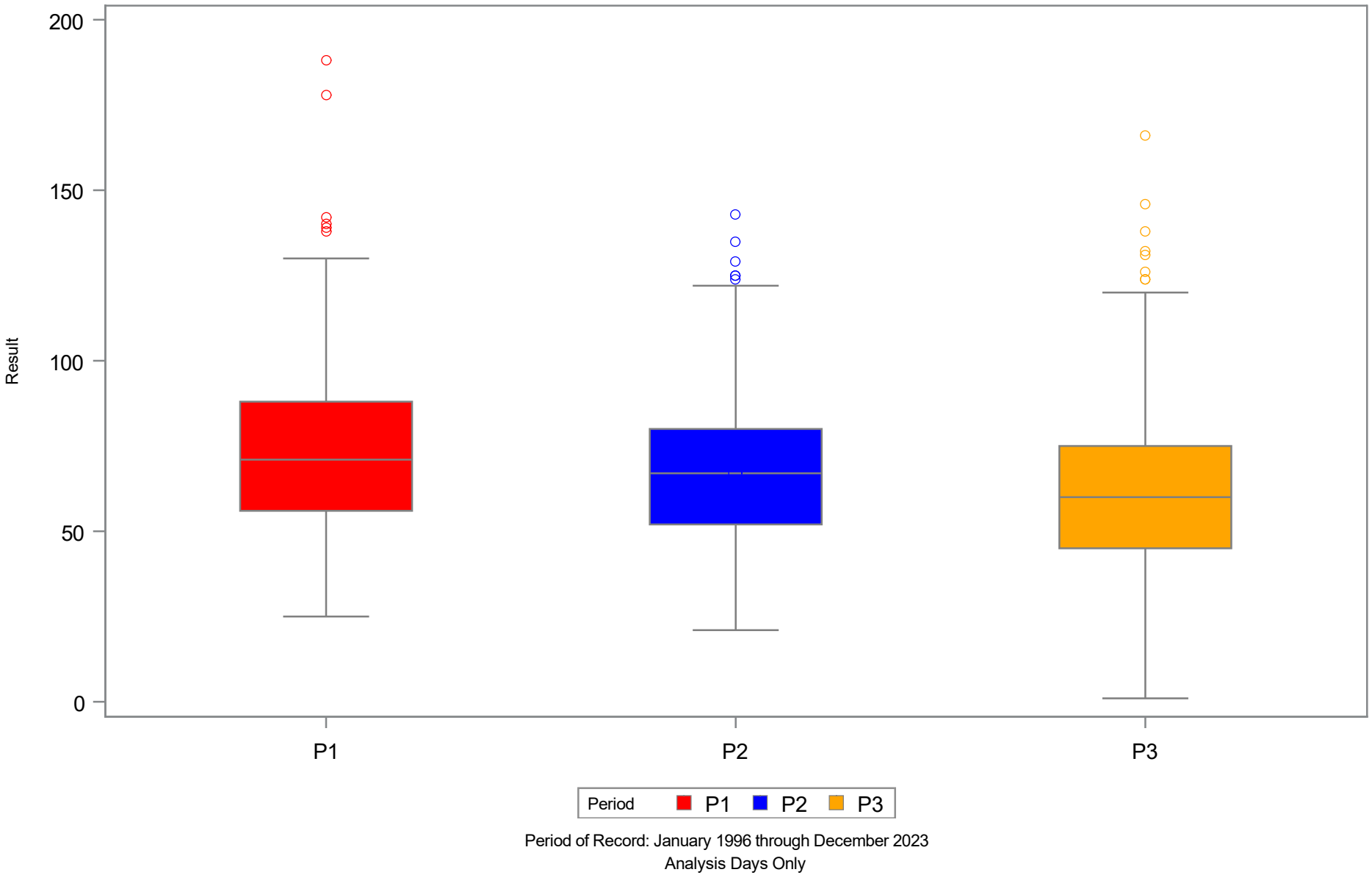
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	25.00	56.00	75.03	71.00	88.00	188.00
P2	384	21.00	52.00	67.15	67.00	80.00	143.00
P3	329	1.00	45.00	62.63	60.00	75.00	166.00

Period of Record: January 1996 through December 2023
Analysis Days Only

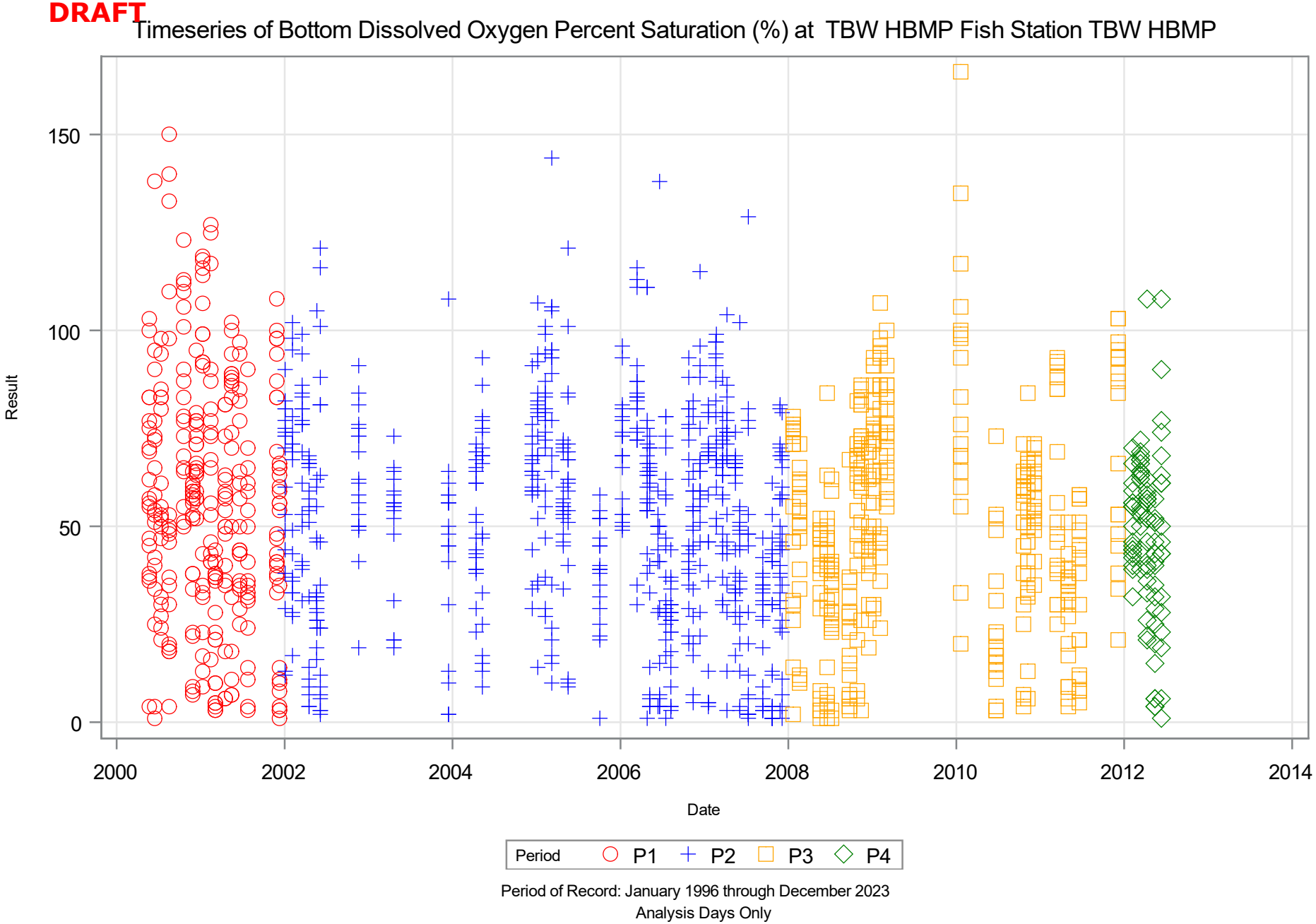
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Benthic Station TBW HBMP



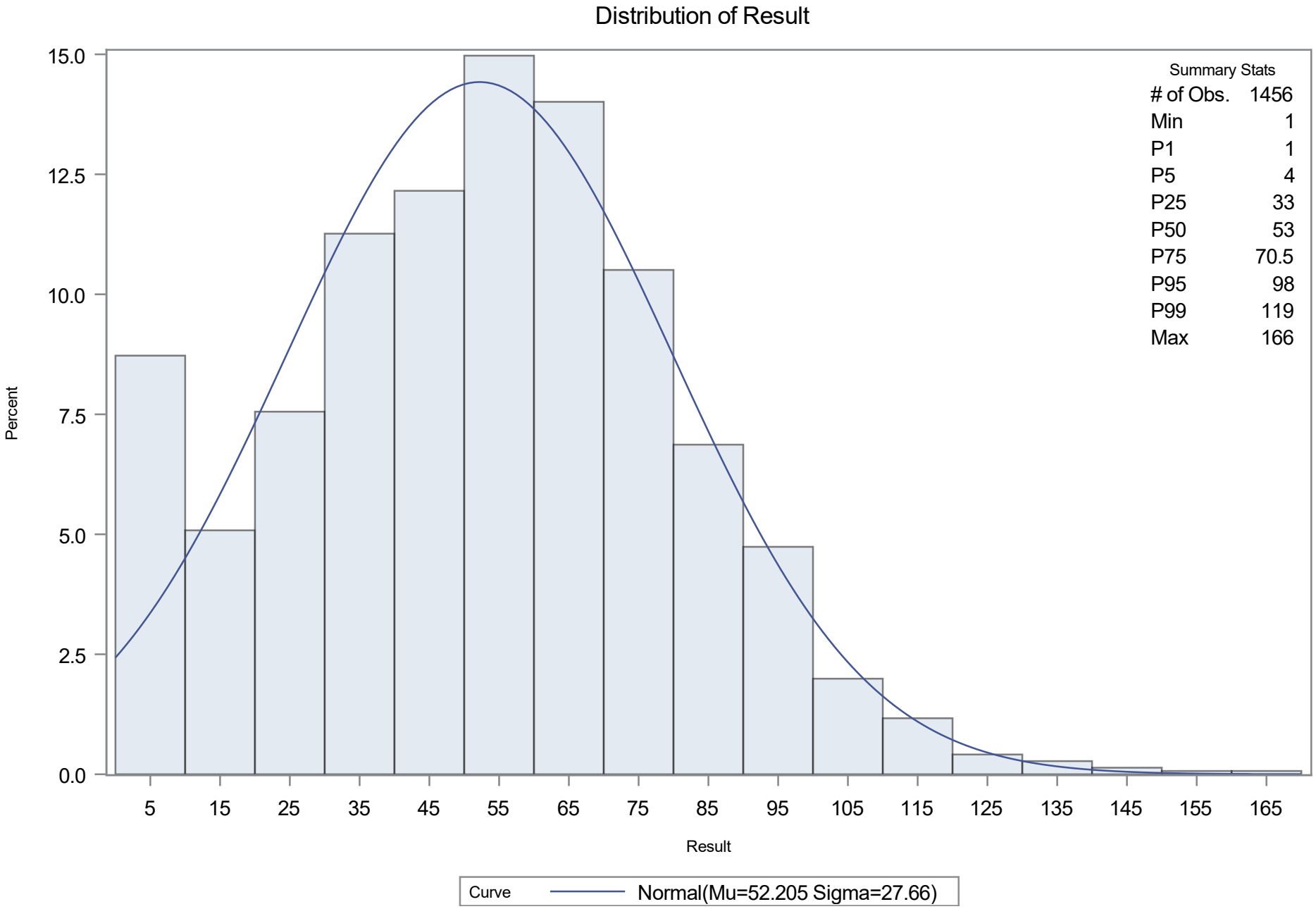
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP
Result
150
100
50
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	52.20467
Std Dev	Sigma	27.66035

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03207082	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18415803	**Pr > W-Sq**	0.009
Anderson-Darling	**A-Sq**	2.41615160	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-12.14292
5.0	4.00000	6.70745
10.0	12.00000	16.75651
25.0	33.00000	33.54805
50.0	53.00000	52.20467
75.0	70.50000	70.86129
90.0	87.00000	87.65283
95.0	98.00000	97.70189
99.0	119.00000	116.55226

Period of Record: January 1996 through December 2023
Analysis Days Only

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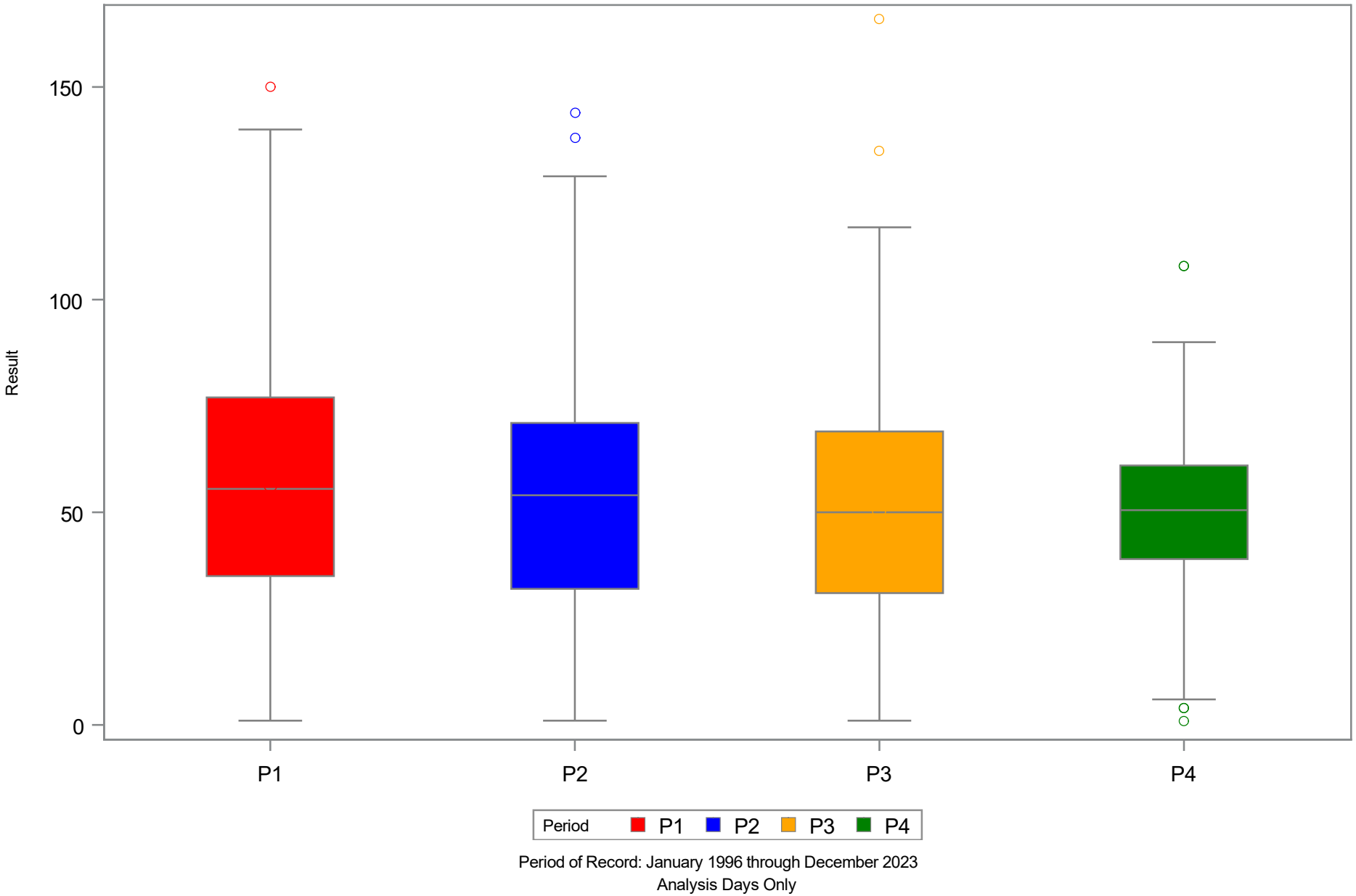
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	286	1.00	35.00	56.35	55.50	77.00	150.00
P2	702	1.00	32.00	52.11	54.00	71.00	144.00
P3	378	1.00	31.00	50.25	50.00	69.00	166.00
P4	90	1.00	39.00	47.98	50.50	61.00	108.00

Period of Record: January 1996 through December 2023
Analysis Days Only

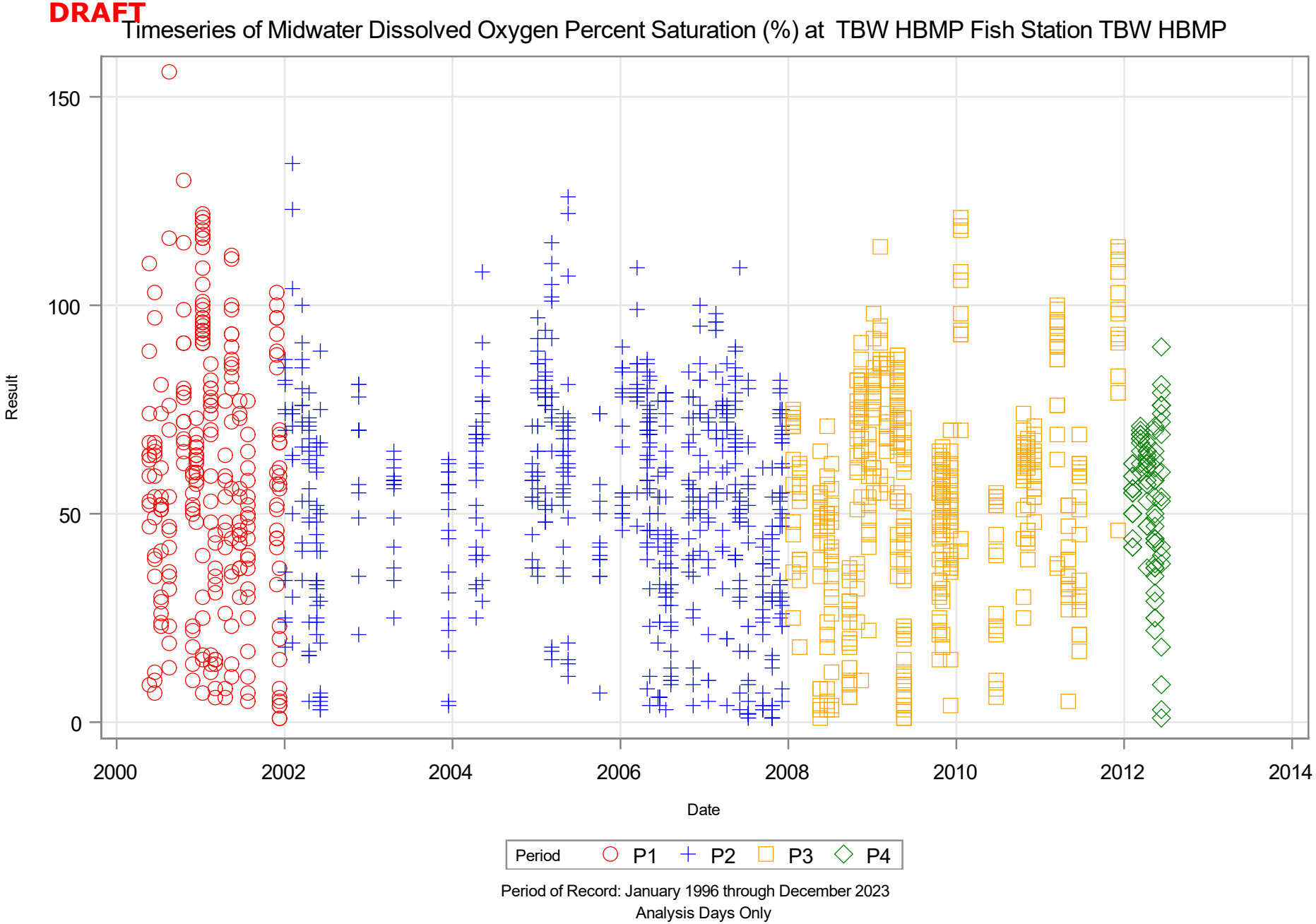
DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP



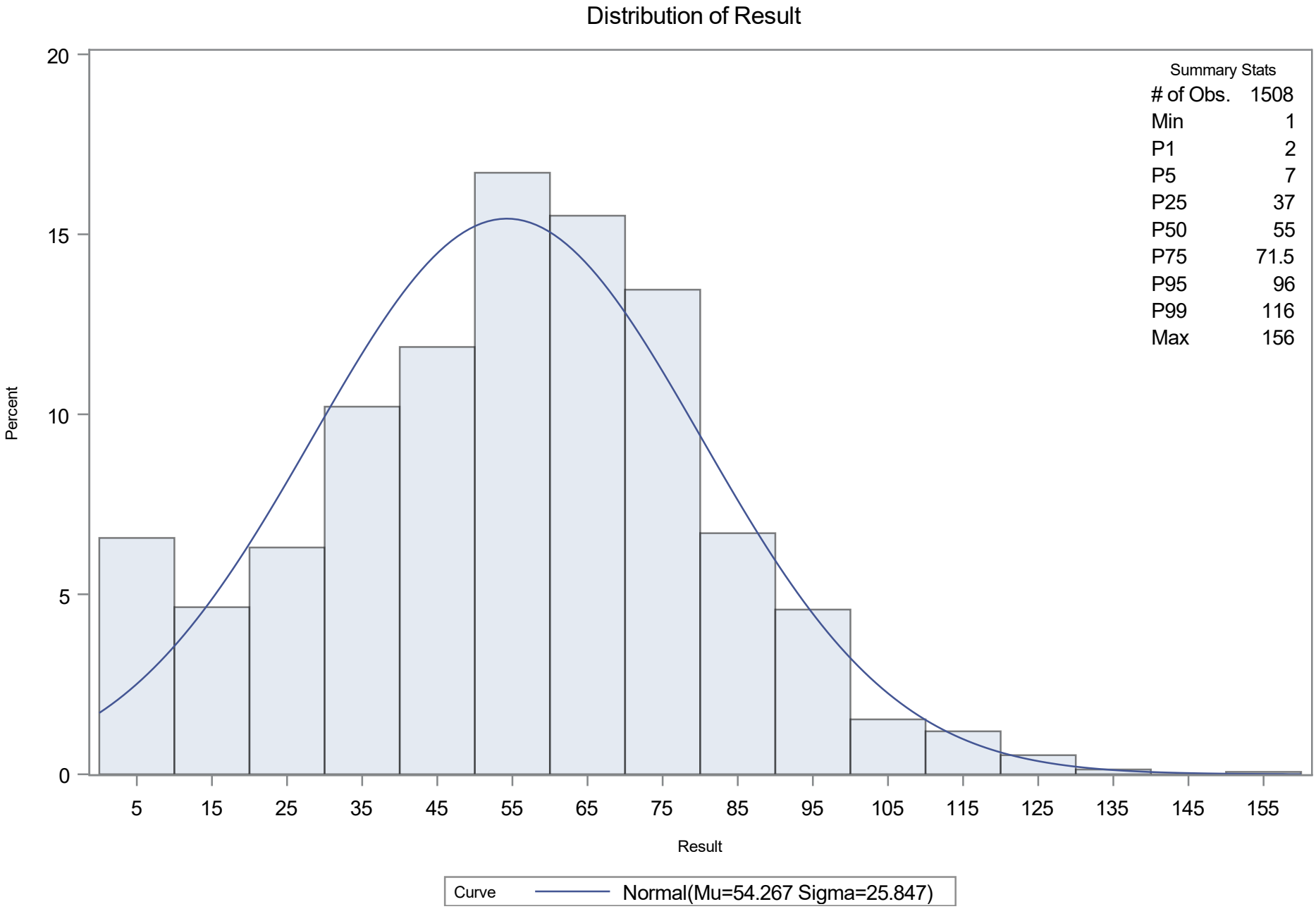
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP
Result
150
100
50
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	54.26658
Std Dev	Sigma	25.84681

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04065725	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.44277636	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.39264978	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-5.86209
5.0	7.00000	11.75236
10.0	17.00000	21.14256
25.0	37.00000	36.83317
50.0	55.00000	54.26658
75.0	71.50000	71.69999
90.0	86.00000	87.39060
95.0	96.00000	96.78080
99.0	116.00000	114.39525

Period of Record: January 1996 through December 2023
Analysis Days Only

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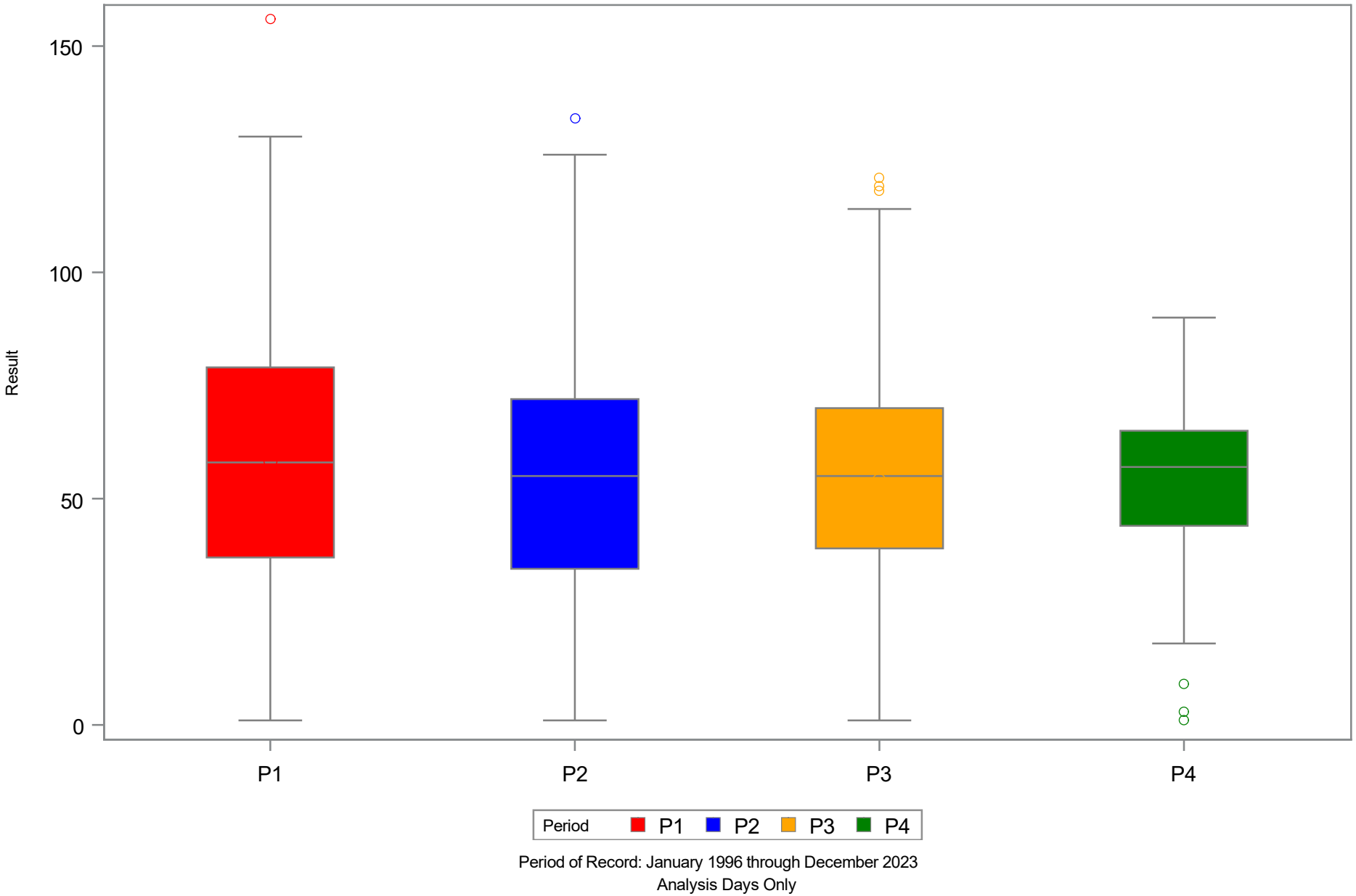
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	269	1.00	37.00	58.32	58.00	79.00	156.00
P2	656	1.00	34.50	52.82	55.00	72.00	134.00
P3	498	1.00	39.00	54.09	55.00	70.00	121.00
P4	85	1.00	44.00	53.60	57.00	65.00	90.00

Period of Record: January 1996 through December 2023
Analysis Days Only

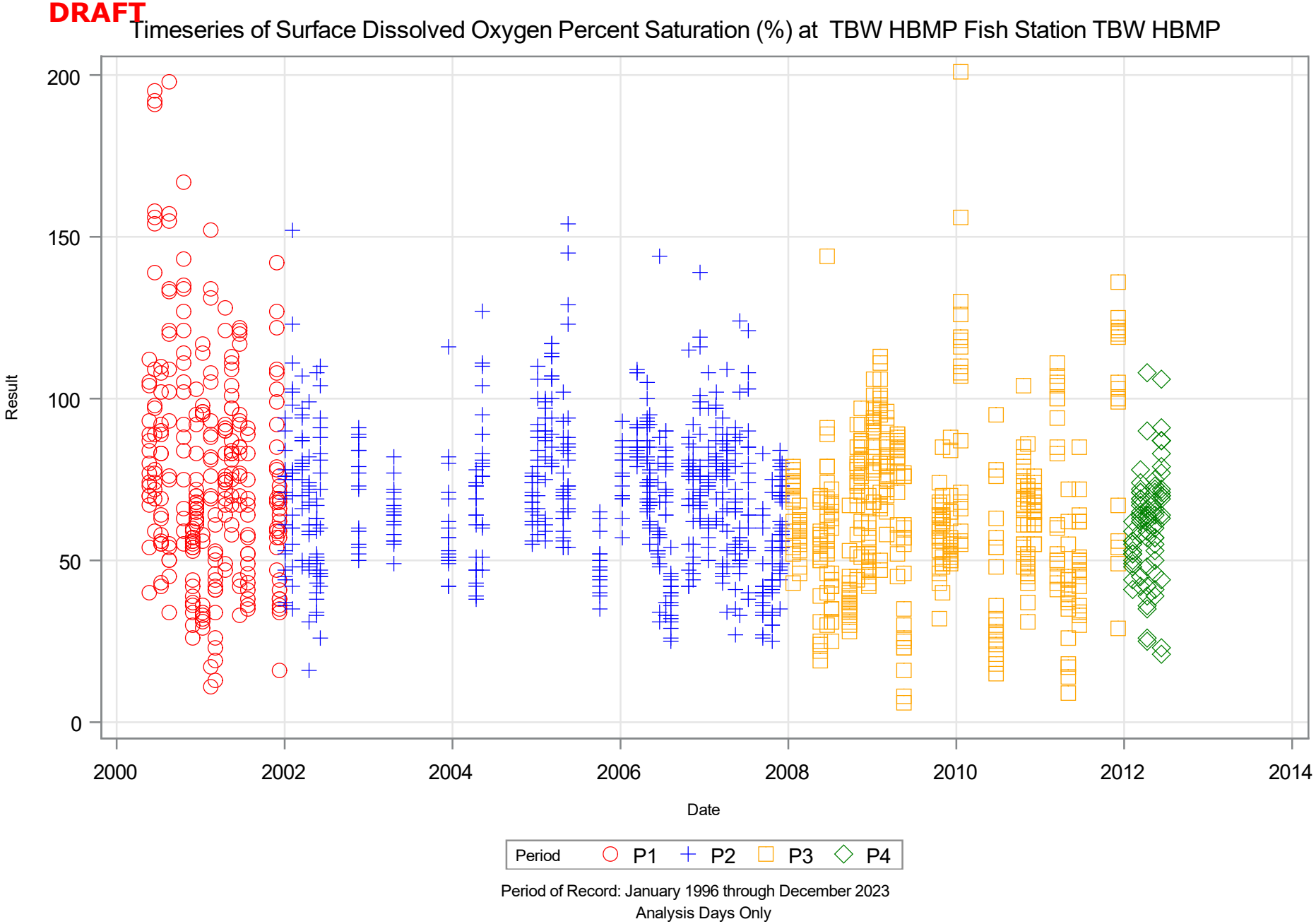
DRAFT

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP



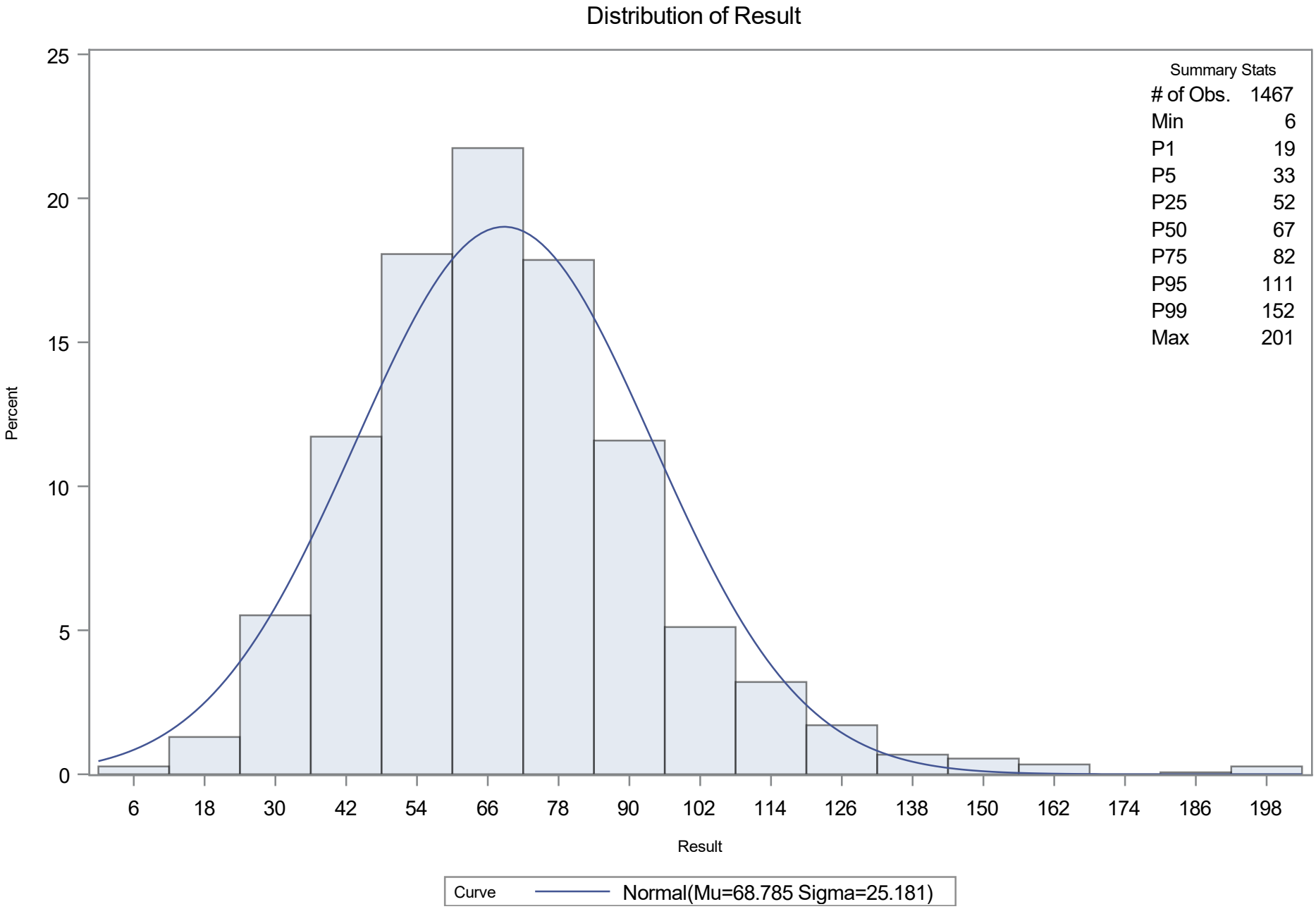
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP
Result
200
150
100
50
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	68.78459
Std Dev	Sigma	25.18063

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05550677	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.23815845	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.19902388	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19.0000	10.2057
5.0	33.0000	27.3661
10.0	40.0000	36.5143
25.0	52.0000	51.8005
50.0	67.0000	68.7846
75.0	82.0000	85.7687
90.0	100.0000	101.0549
95.0	111.0000	110.2030
99.0	152.0000	127.3635

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

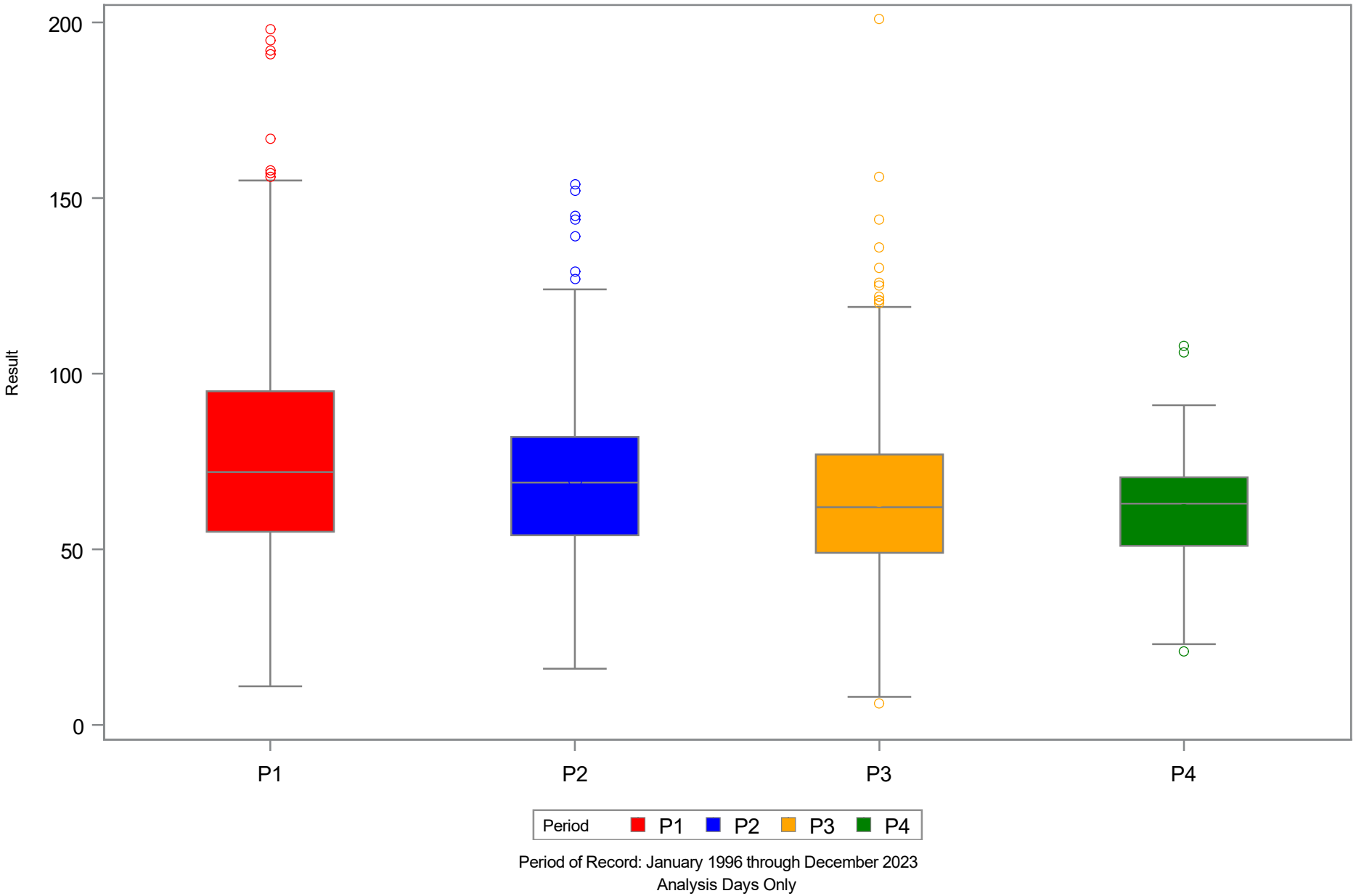
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	273	11.00	55.00	77.34	72.00	95.00	198.00
P2	661	16.00	54.00	69.54	69.00	82.00	154.00
P3	449	6.00	49.00	63.93	62.00	77.00	201.00
P4	84	21.00	51.00	60.98	63.00	70.50	108.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

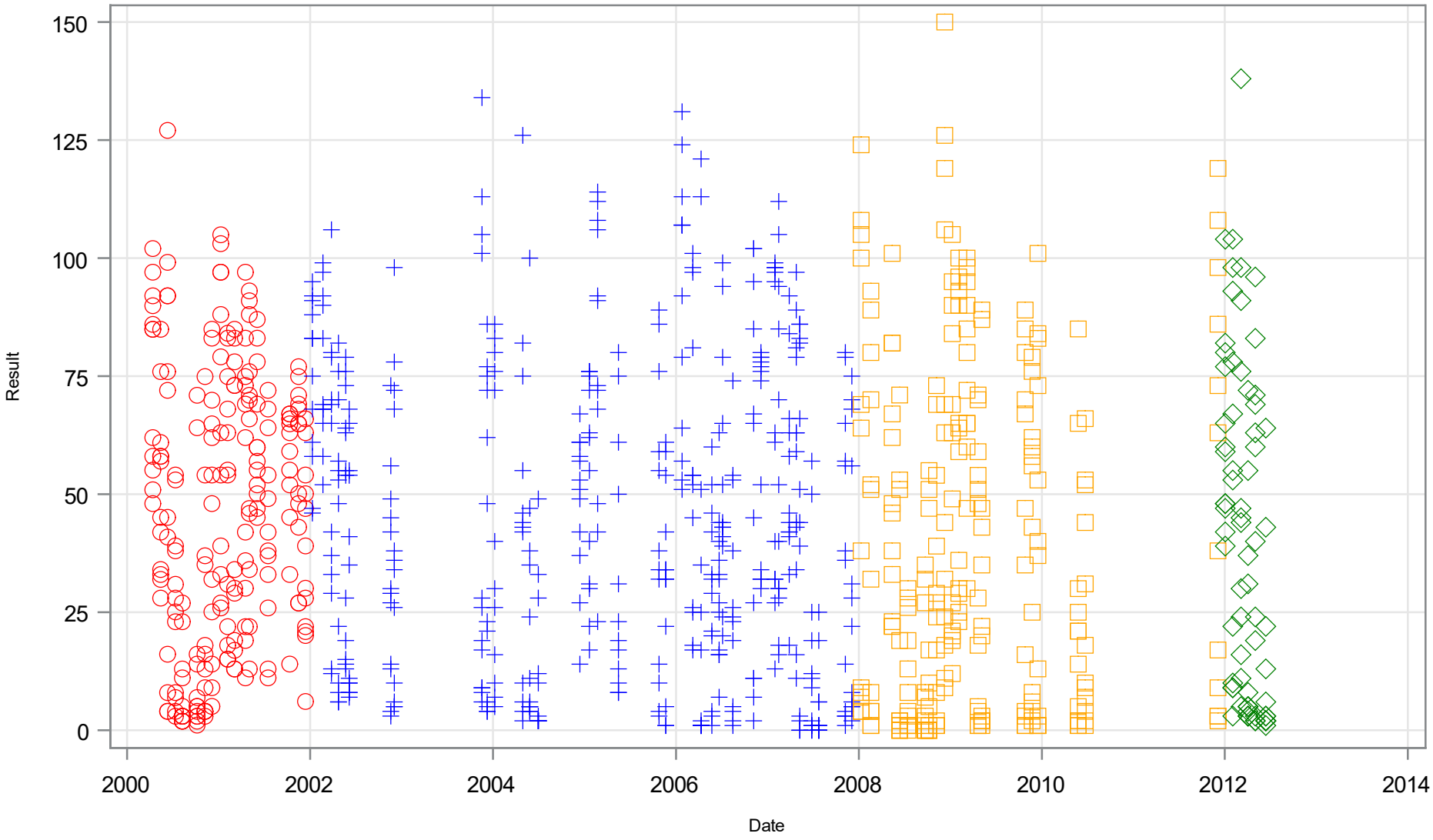
Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

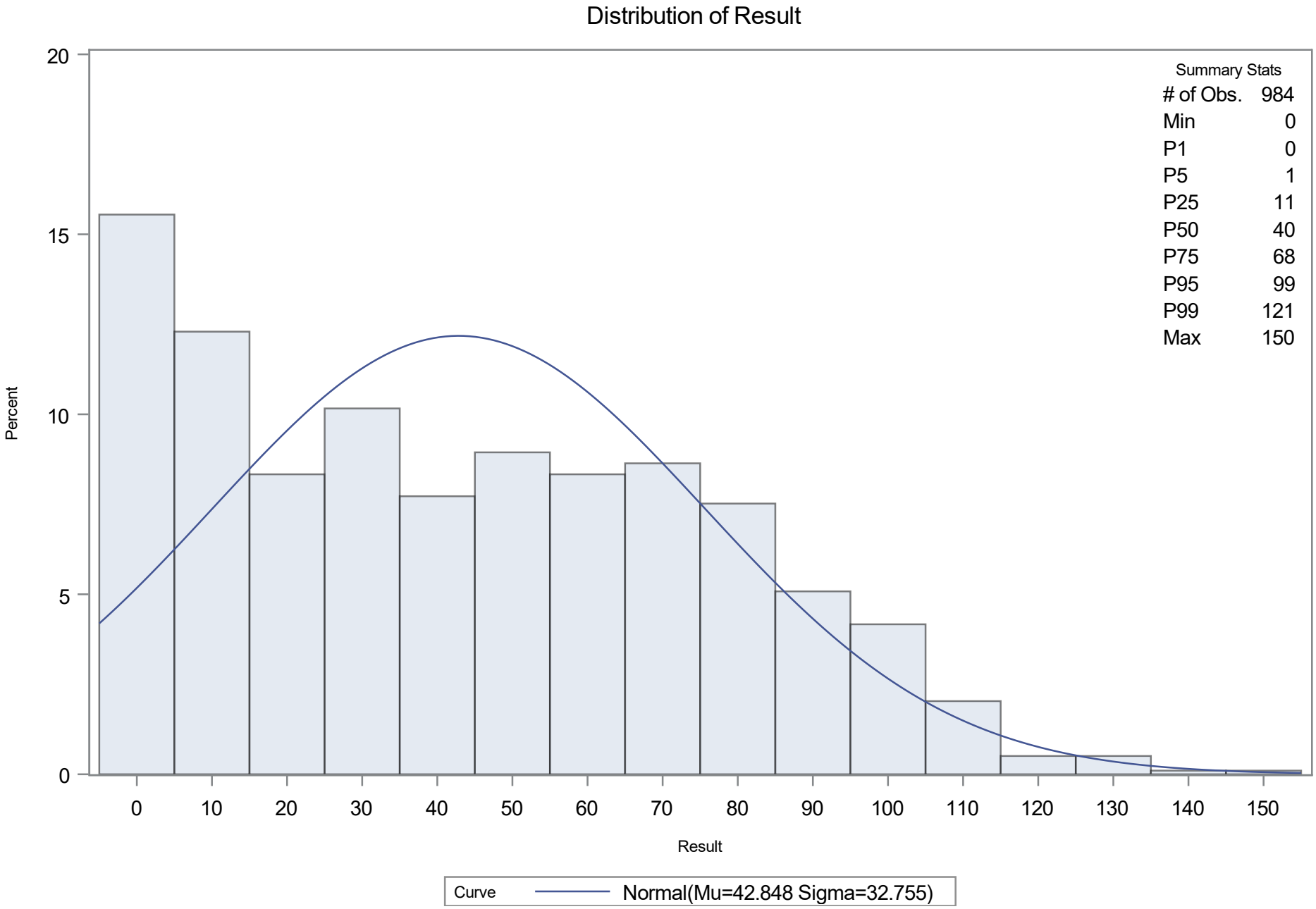
Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	42.84756
Std Dev	Sigma	32.75457

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0954129	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.2459584	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.0118154	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.000	-33.35096
5.0	1.000	-11.02891
10.0	3.000	0.87089
25.0	11.000	20.75494
50.0	40.000	42.84756
75.0	68.000	64.94018
90.0	89.000	84.82423
95.0	99.000	96.72403
99.0	121.000	119.04608

Period of Record: January 1996 through December 2023
Analysis Days Only

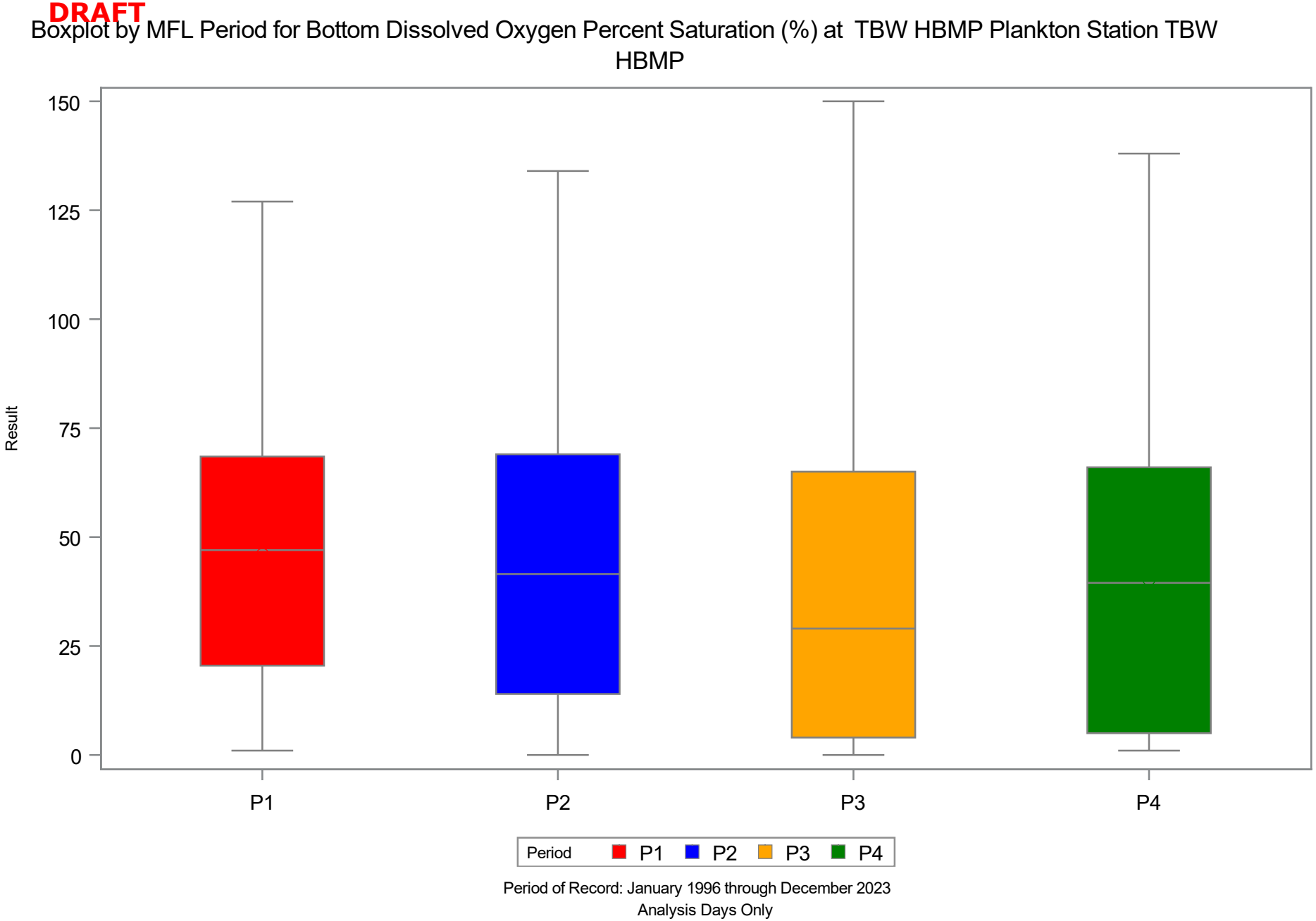
DRAFT

Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	1.00	20.50	46.00	47.00	68.50	127.00
P2	456	0.00	14.00	44.20	41.50	69.00	134.00
P3	240	0.00	4.00	38.21	29.00	65.00	150.00
P4	72	1.00	5.00	40.32	39.50	66.00	138.00

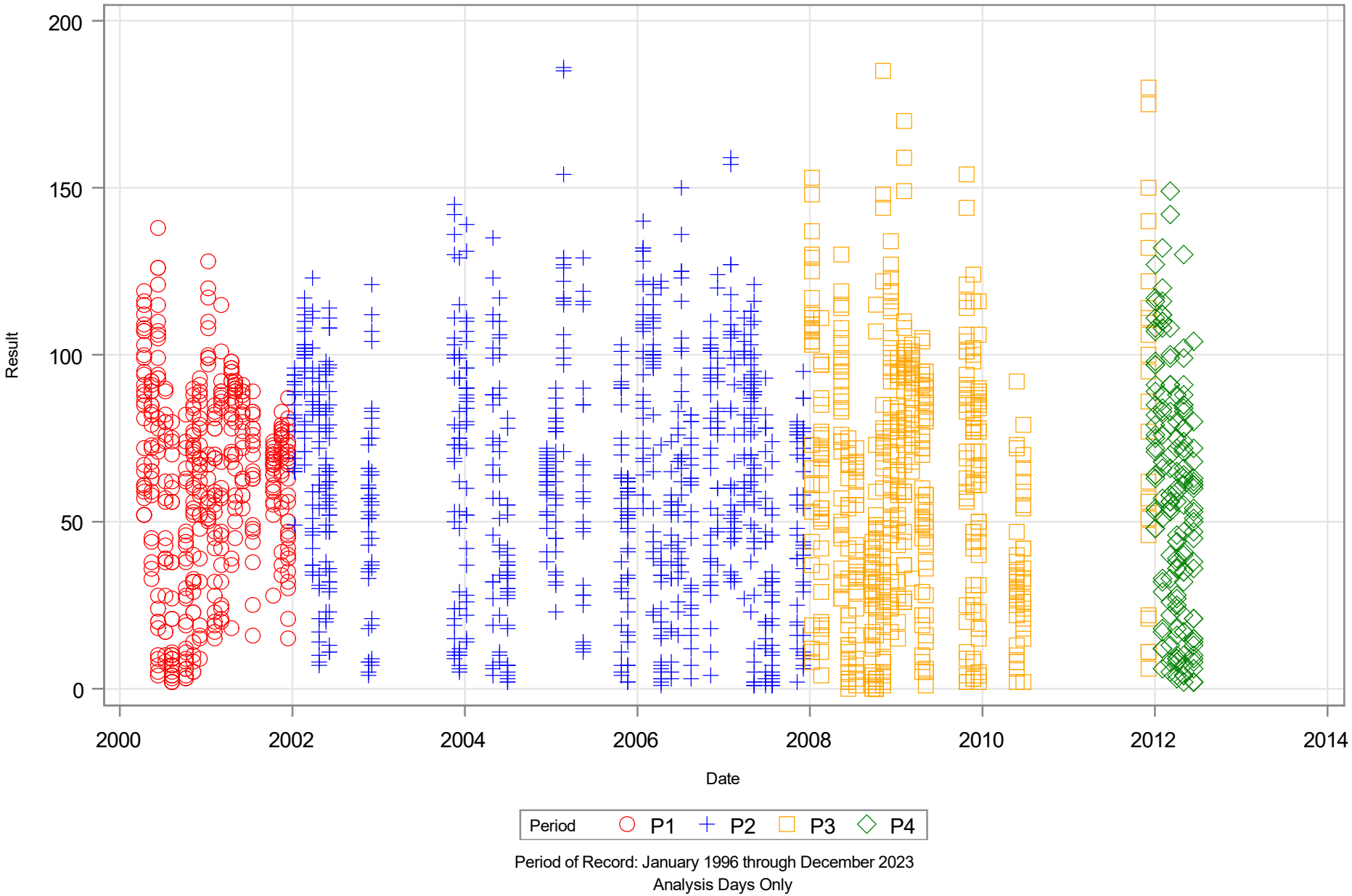
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP
Result
150
125
100
75
50
25
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

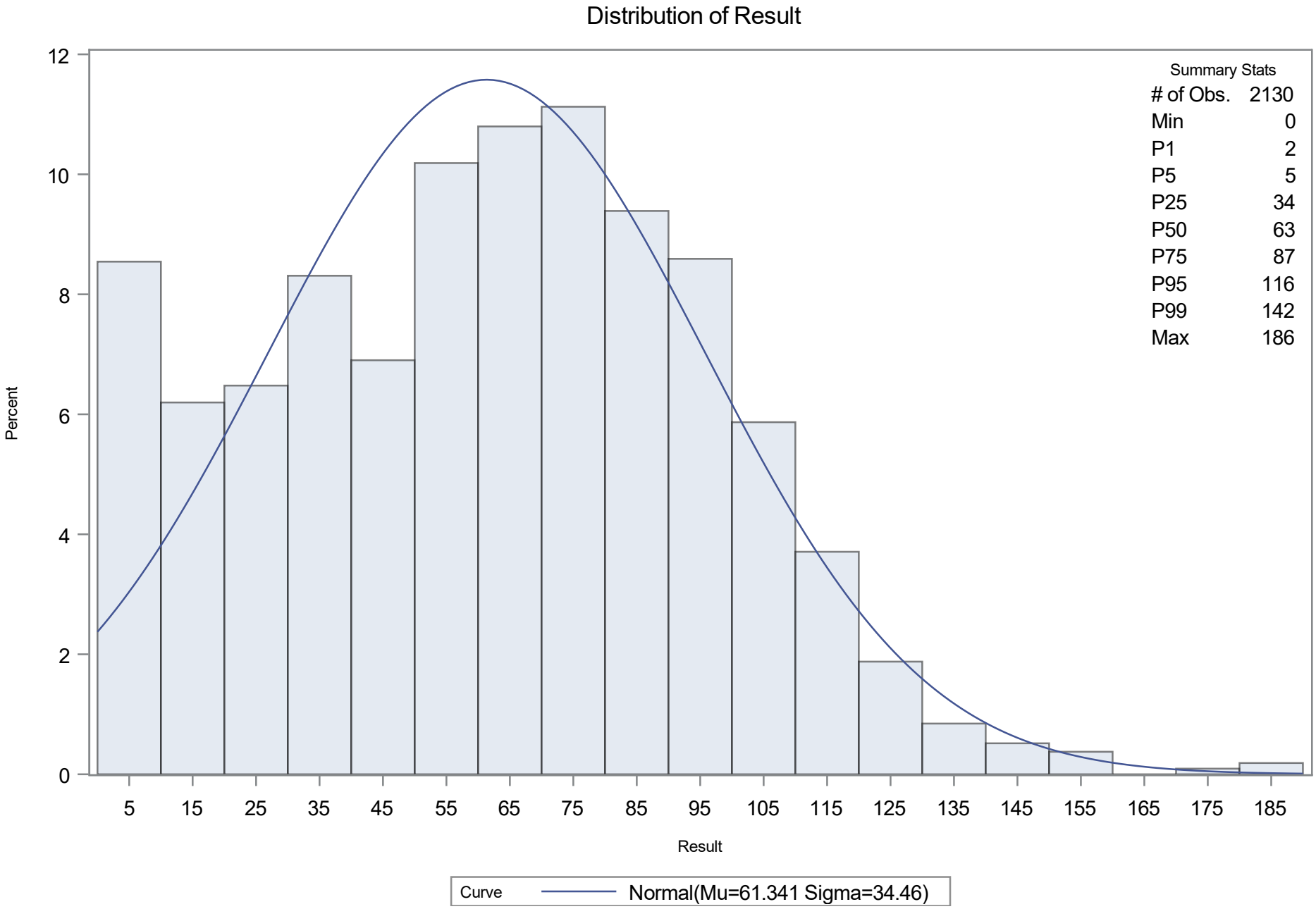
Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	61.34131
Std Dev	Sigma	34.46027

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04294200	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.84686899	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.36476745	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-18.82526
5.0	5.00000	4.65922
10.0	11.00000	17.17870
25.0	34.00000	38.09822
50.0	63.00000	61.34131
75.0	87.00000	84.58441
90.0	104.50000	105.50392
95.0	116.00000	118.02341
99.0	142.00000	141.50788

Period of Record: January 1996 through December 2023
Analysis Days Only

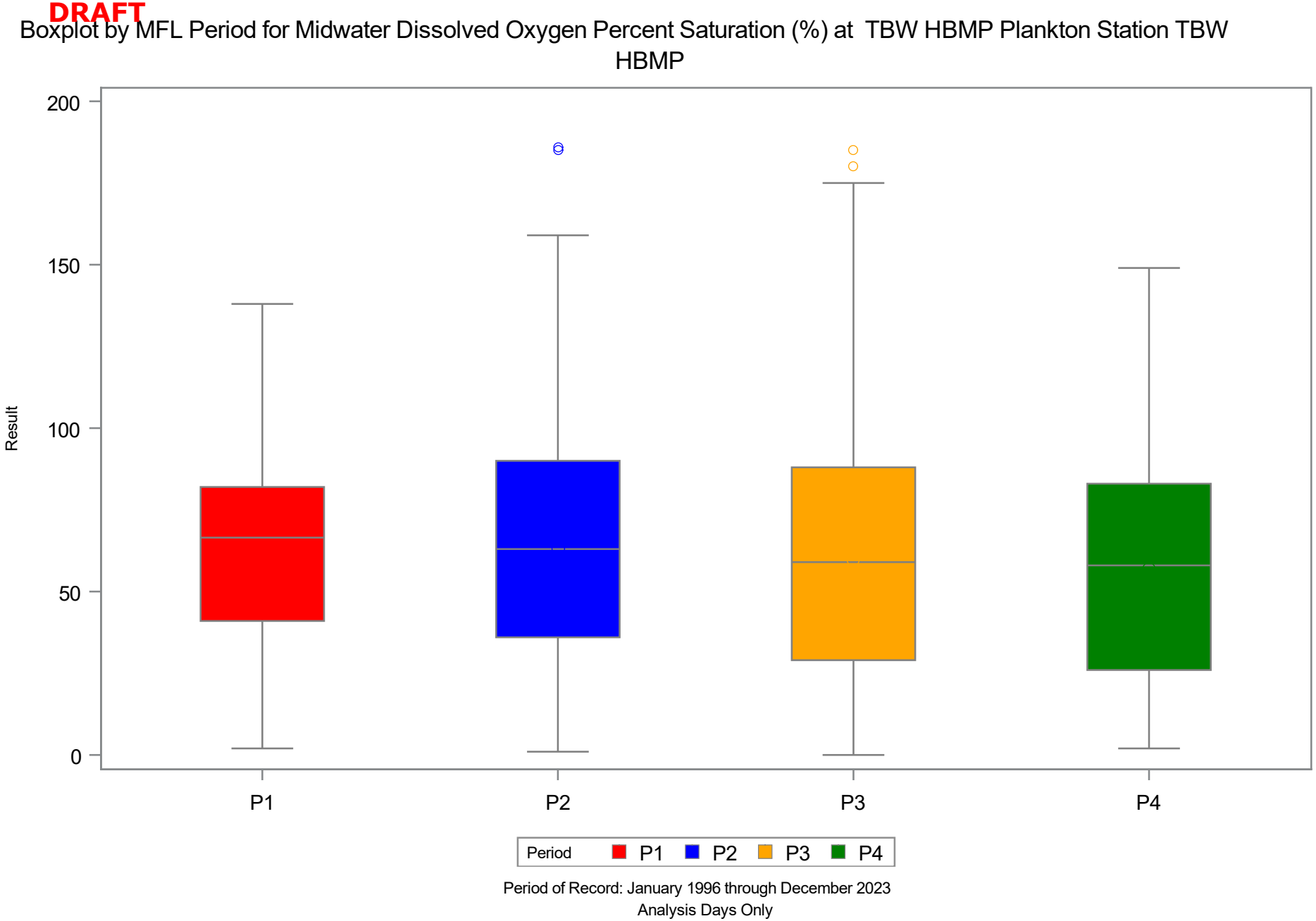
DRAFT

Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP

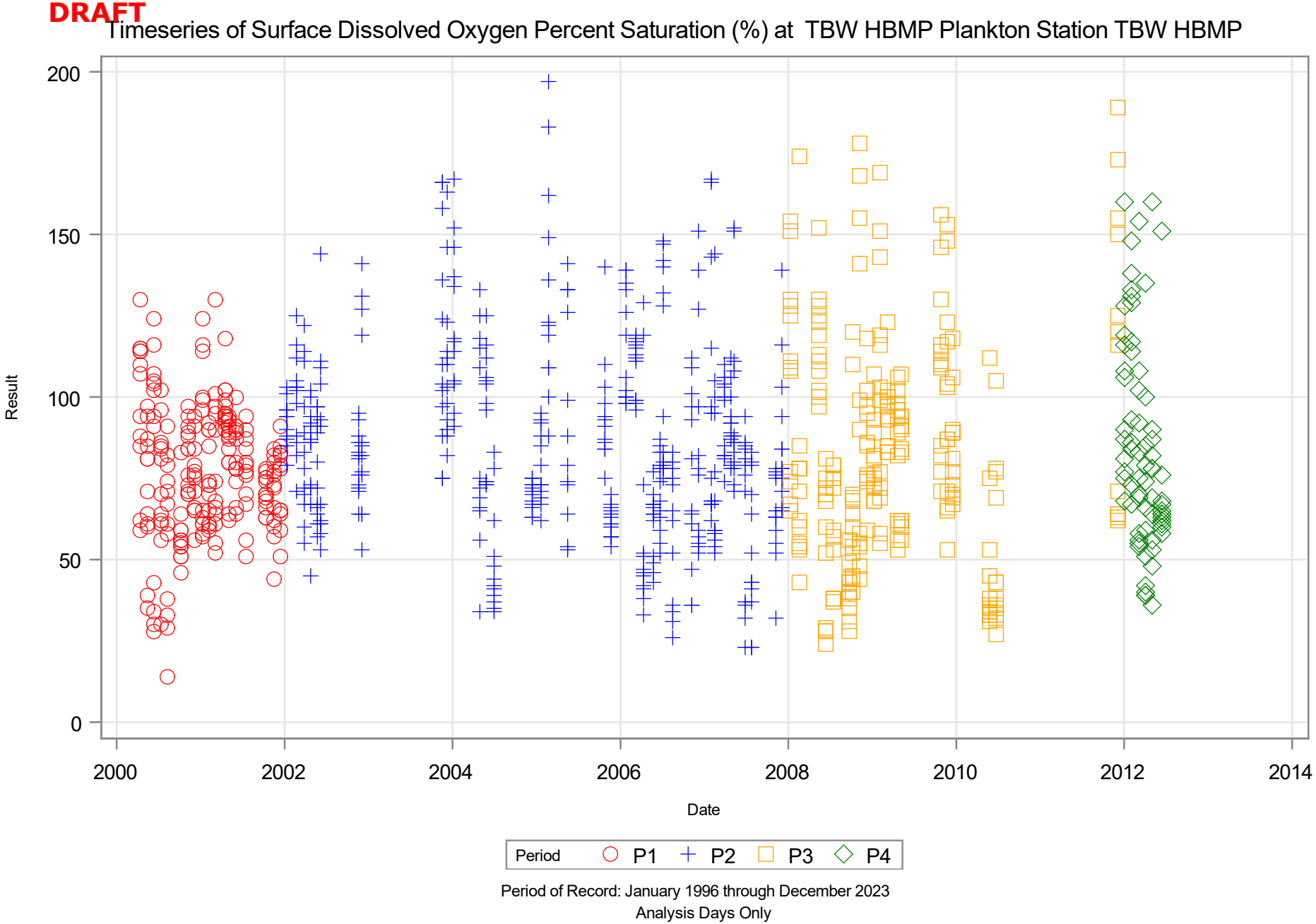
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	438	2.00	41.00	61.05	66.50	82.00	138.00
P2	949	1.00	36.00	63.21	63.00	90.00	186.00
P3	574	0.00	29.00	59.80	59.00	88.00	185.00
P4	169	2.00	26.00	56.82	58.00	83.00	149.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

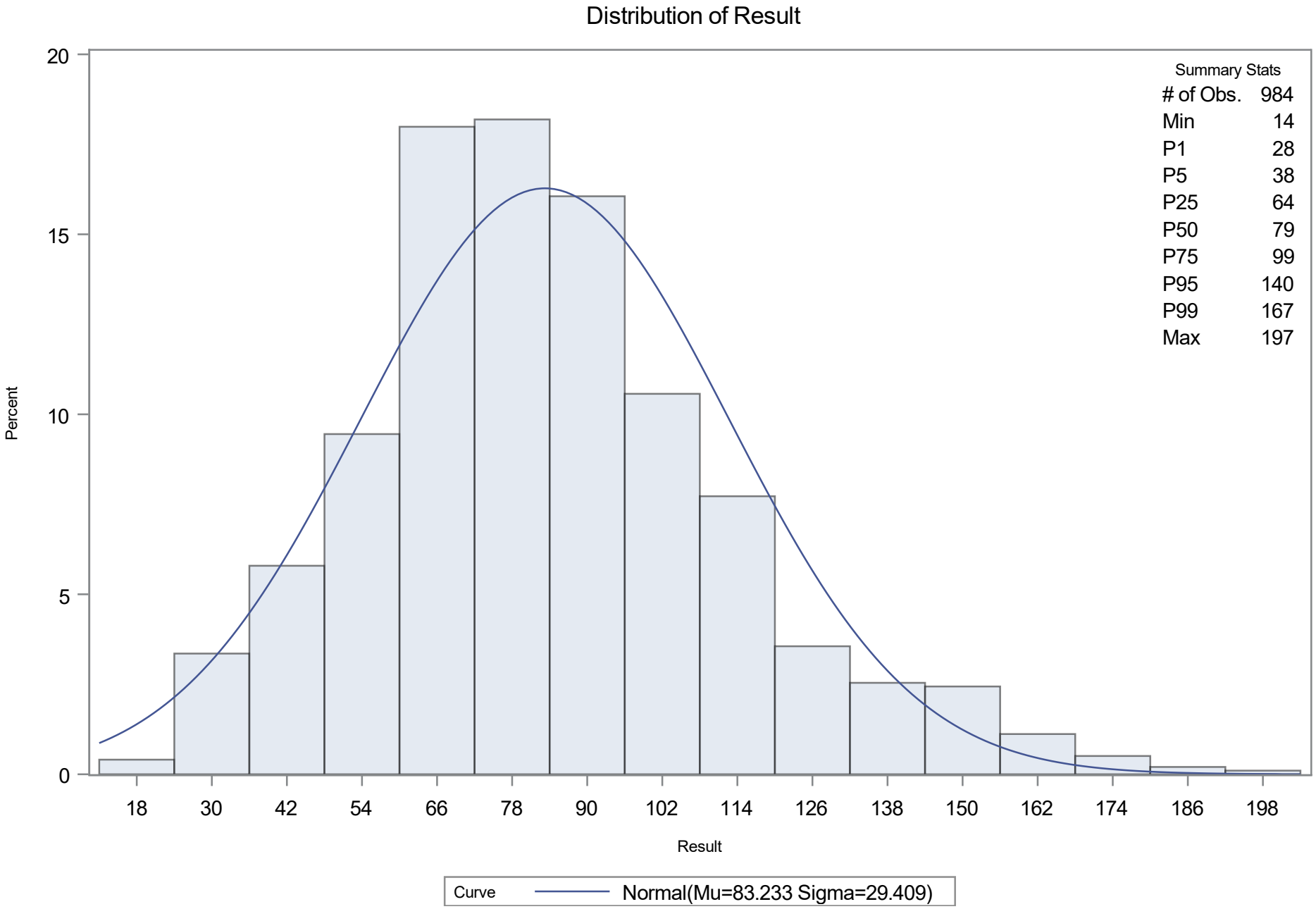

Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP
Result
200
150
100
50
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP
Result
200
150
100
50
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	83.23272
Std Dev	Sigma	29.4092

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06039005	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.03797249	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.40632933	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	28.0000	14.8167
5.0	38.0000	34.8589
10.0	49.0000	45.5433
25.0	64.0000	63.3965
50.0	79.0000	83.2327
75.0	99.0000	103.0689
90.0	123.0000	120.9221
95.0	140.0000	131.6066
99.0	167.0000	151.6488

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	14.00	64.00	77.13	77.50	91.00	130.00
P2	456	23.00	66.00	86.44	83.00	103.00	197.00
P3	240	24.00	57.50	82.30	77.00	102.50	189.00
P4	72	36.00	62.50	84.35	76.50	104.00	160.00

Period of Record: January 1996 through December 2023
Analysis Days Only

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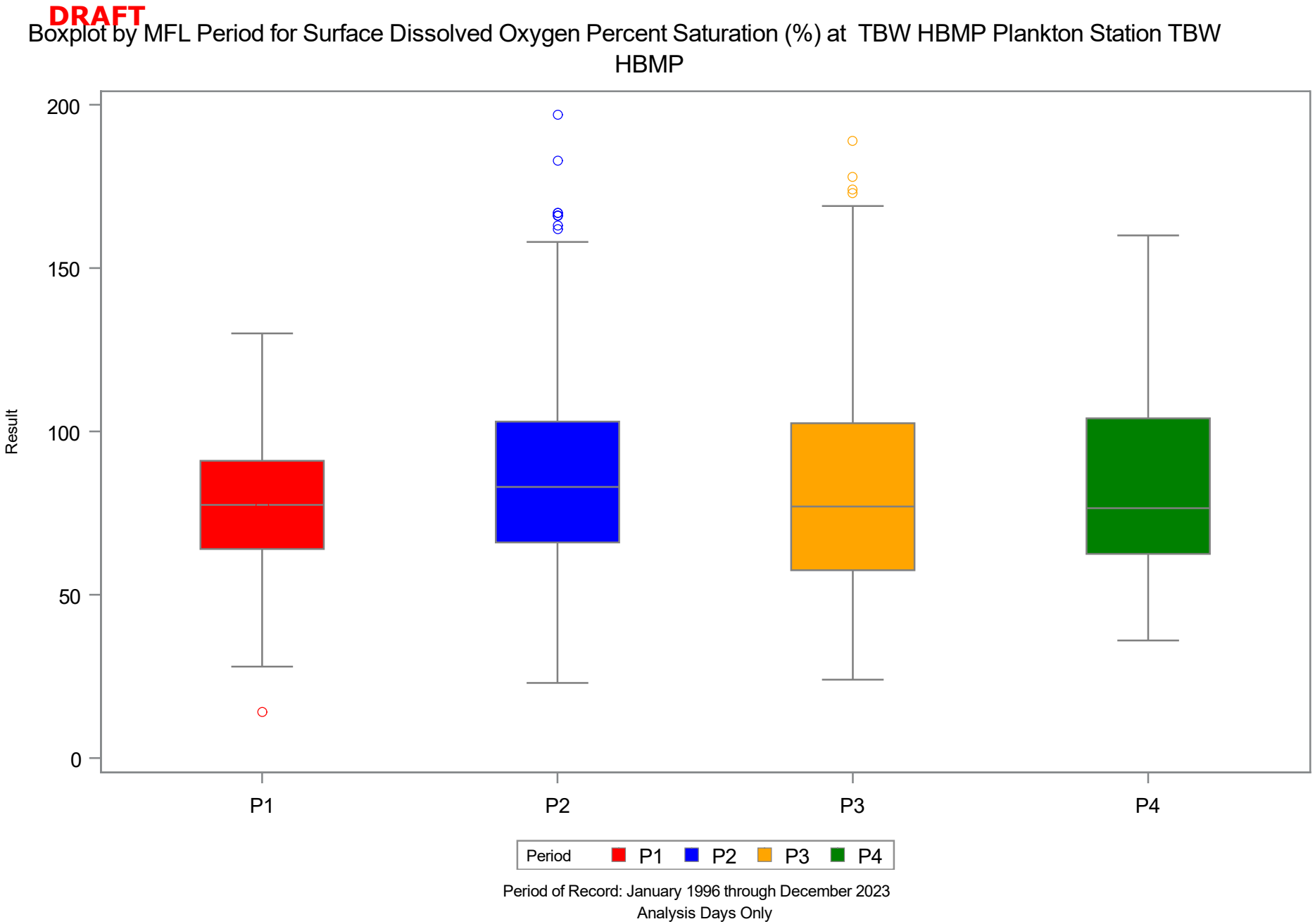

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Plankton Station TBW HBMP
Result
200
150
100
50
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

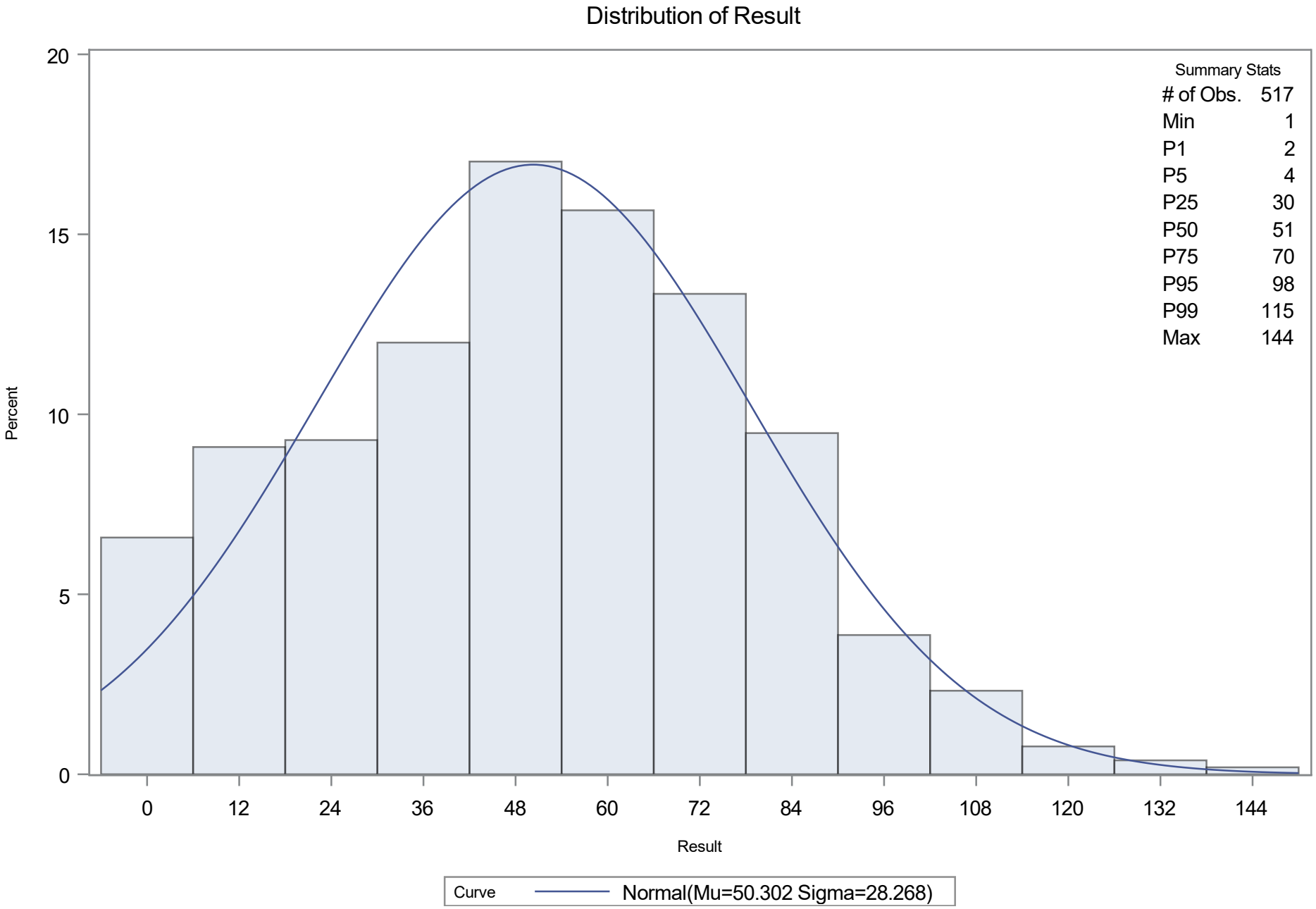
DRAFT

Timeseries of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	50.30193
Std Dev	Sigma	28.26833

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04768150	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.15177773	**Pr > W-Sq**	0.023
Anderson-Darling	**A-Sq**	1.61222155	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-15.46003
5.0	4.00000	3.80467
10.0	9.00000	14.07462
25.0	30.00000	31.23524
50.0	51.00000	50.30193
75.0	70.00000	69.36863
90.0	86.00000	86.52925
95.0	98.00000	96.79919
99.0	115.00000	116.06390

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

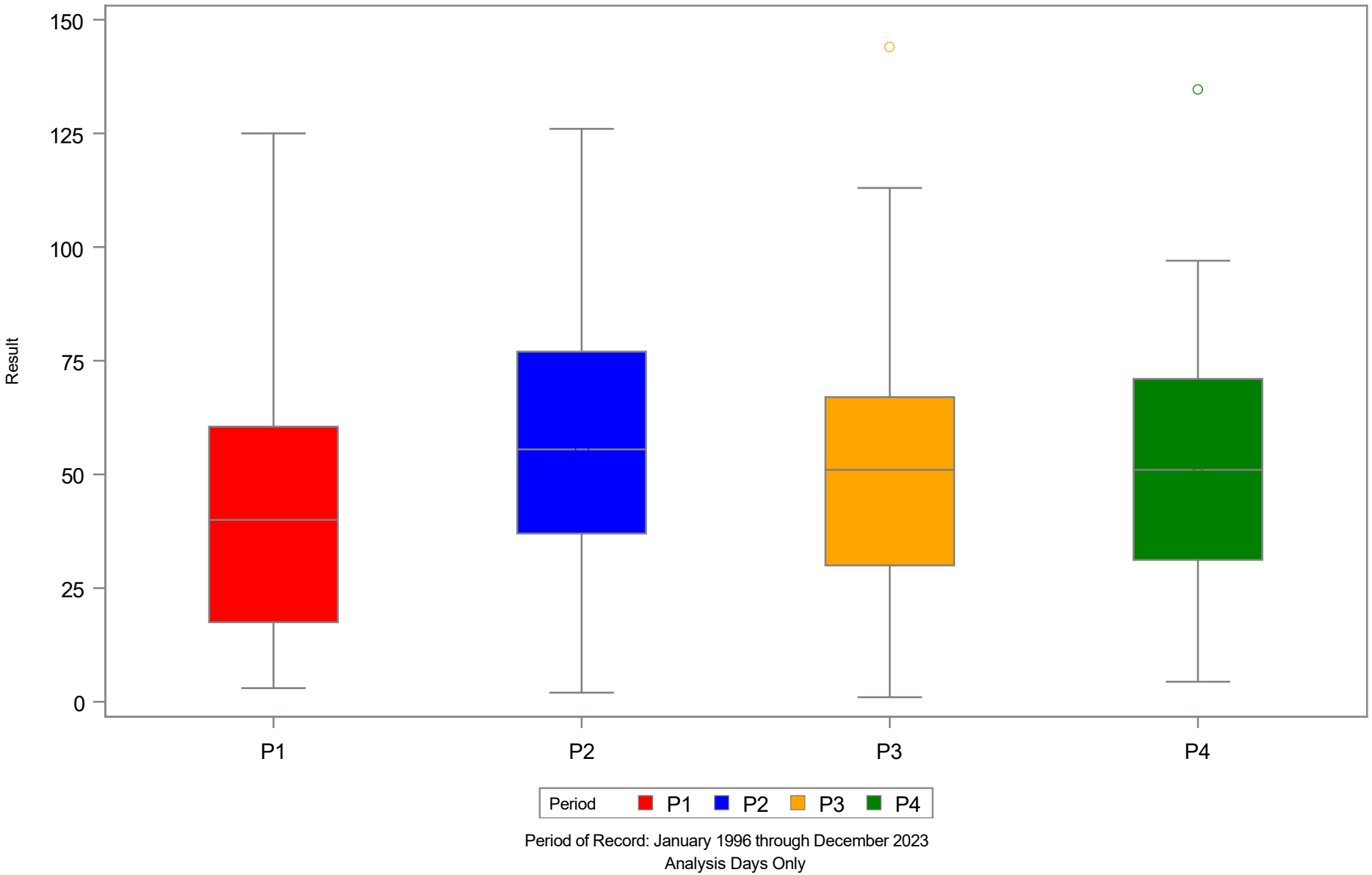
Distributional Statistics by Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	96	3.00	17.50	42.33	40.00	60.50	125.00
P2	226	2.00	37.00	55.15	55.50	77.00	126.00
P3	165	1.00	30.00	48.36	51.00	67.00	144.00
P4	30	4.40	31.20	49.90	51.00	71.00	134.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Bottom Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

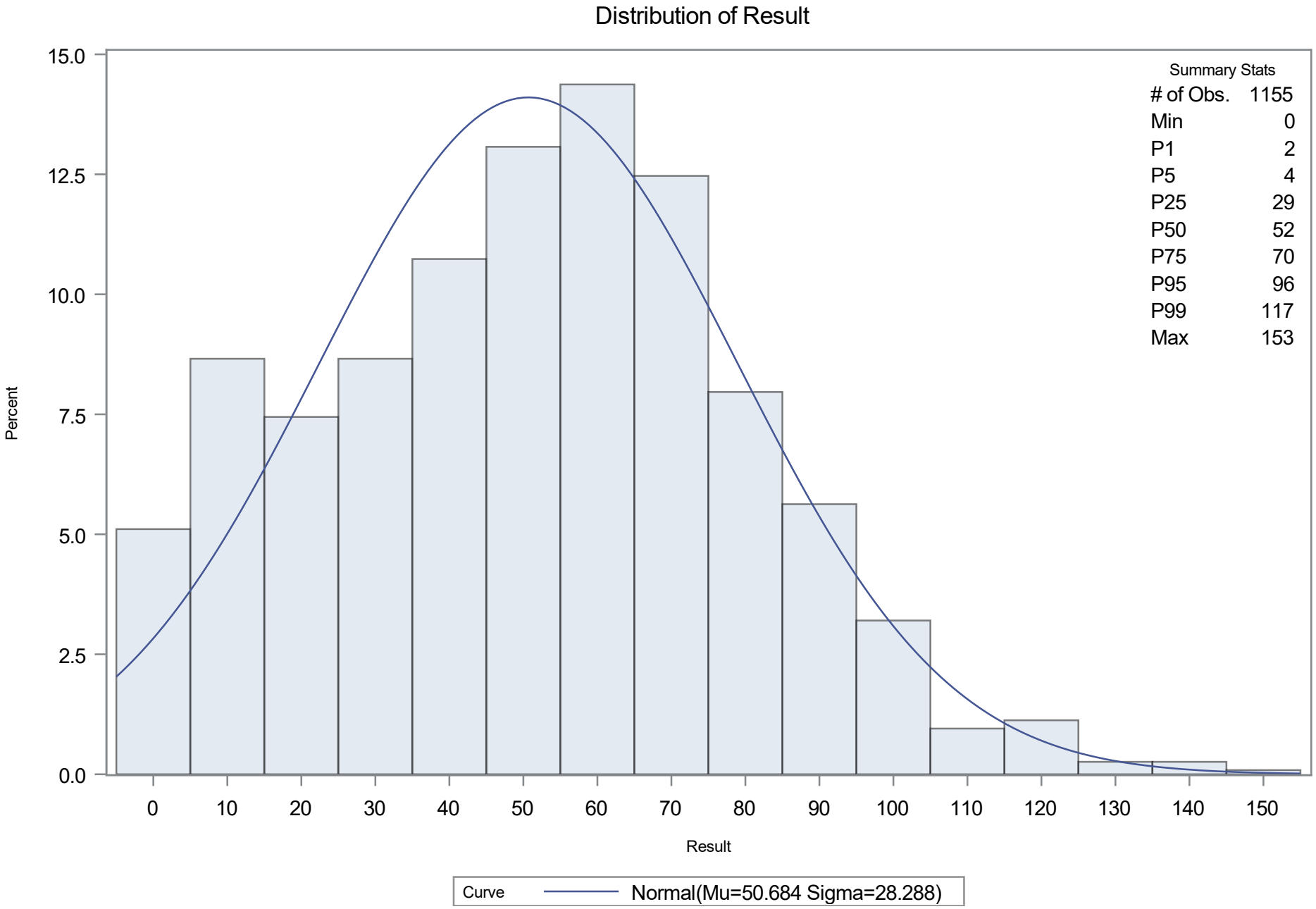
DRAFT

Timeseries of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	50.68372
Std Dev	Sigma	28.28829

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04402841	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33722120	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.43835966	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	-15.12467
5.0	4.00000	4.15363
10.0	10.00000	14.43083
25.0	29.00000	31.60356
50.0	52.00000	50.68372
75.0	70.00000	69.76388
90.0	87.00000	86.93662
95.0	96.00000	97.21381
99.0	117.00000	116.49212

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

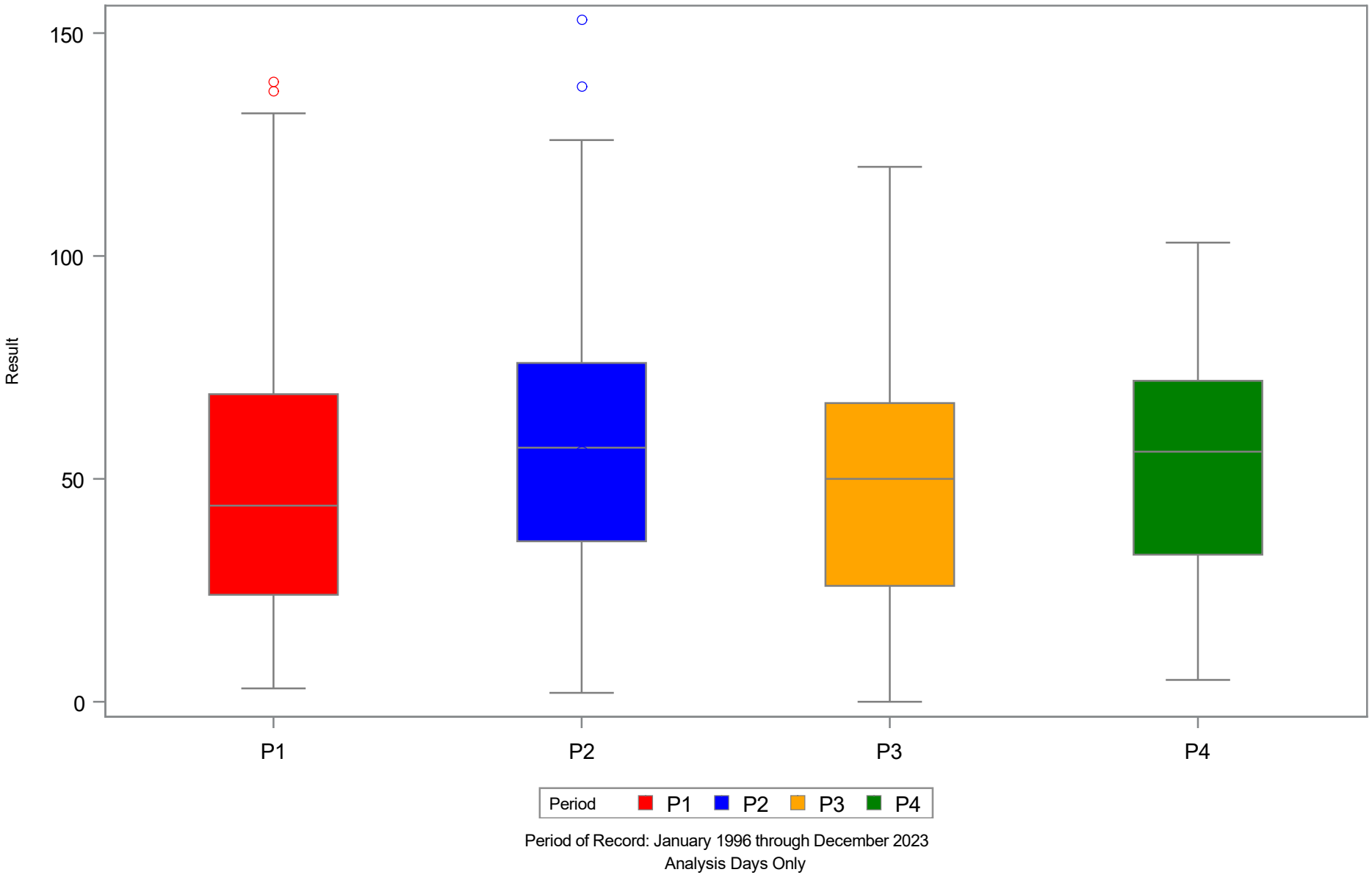
Distributional Statistics by Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	287	3.00	24.00	46.87	44.00	69.00	139.00
P2	406	2.00	36.00	55.71	57.00	76.00	153.00
P3	389	0.00	26.00	47.93	50.00	67.00	120.00
P4	73	4.90	33.00	52.39	56.10	72.00	103.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

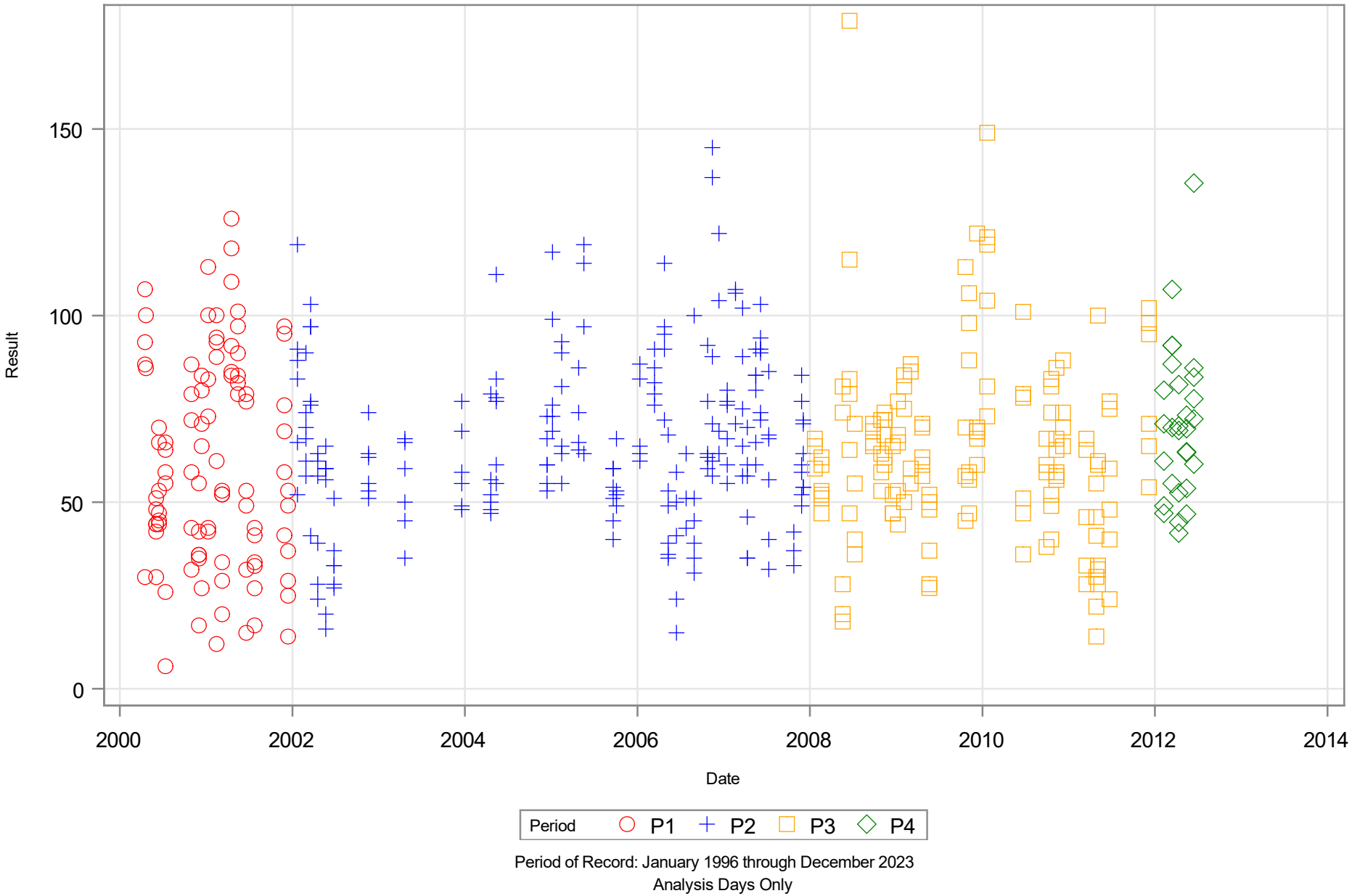
Boxplot by MFL Period for Midwater Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

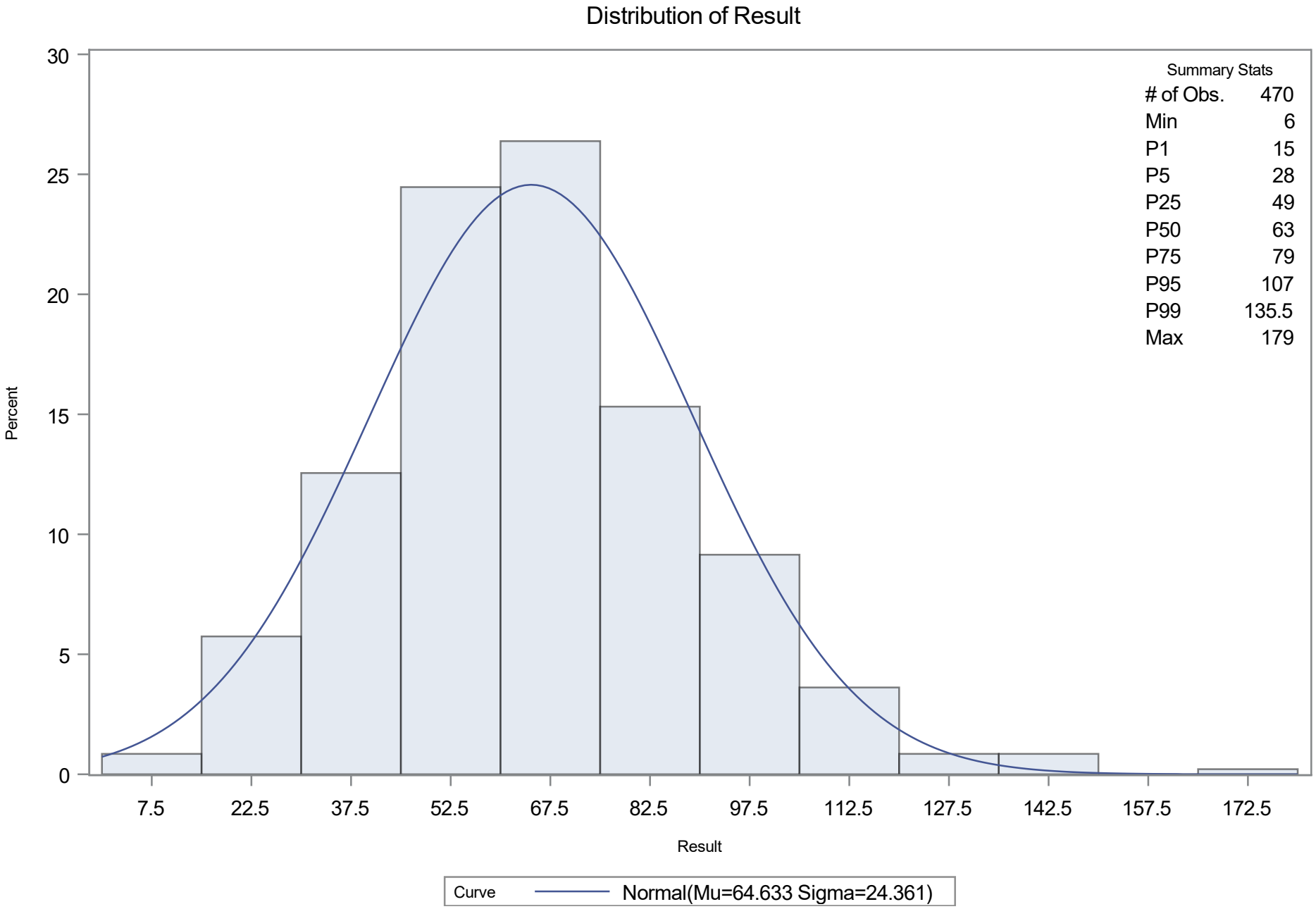
Timeseries of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	64.63277
Std Dev	Sigma	24.3614

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05222441	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.23812704	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.36836448	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0000	7.95967
5.0	28.0000	24.56183
10.0	34.5000	33.41237
25.0	49.0000	48.20125
50.0	63.0000	64.63277
75.0	79.0000	81.06428
90.0	97.0000	95.85316
95.0	107.0000	104.70371
99.0	135.5000	121.30586

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

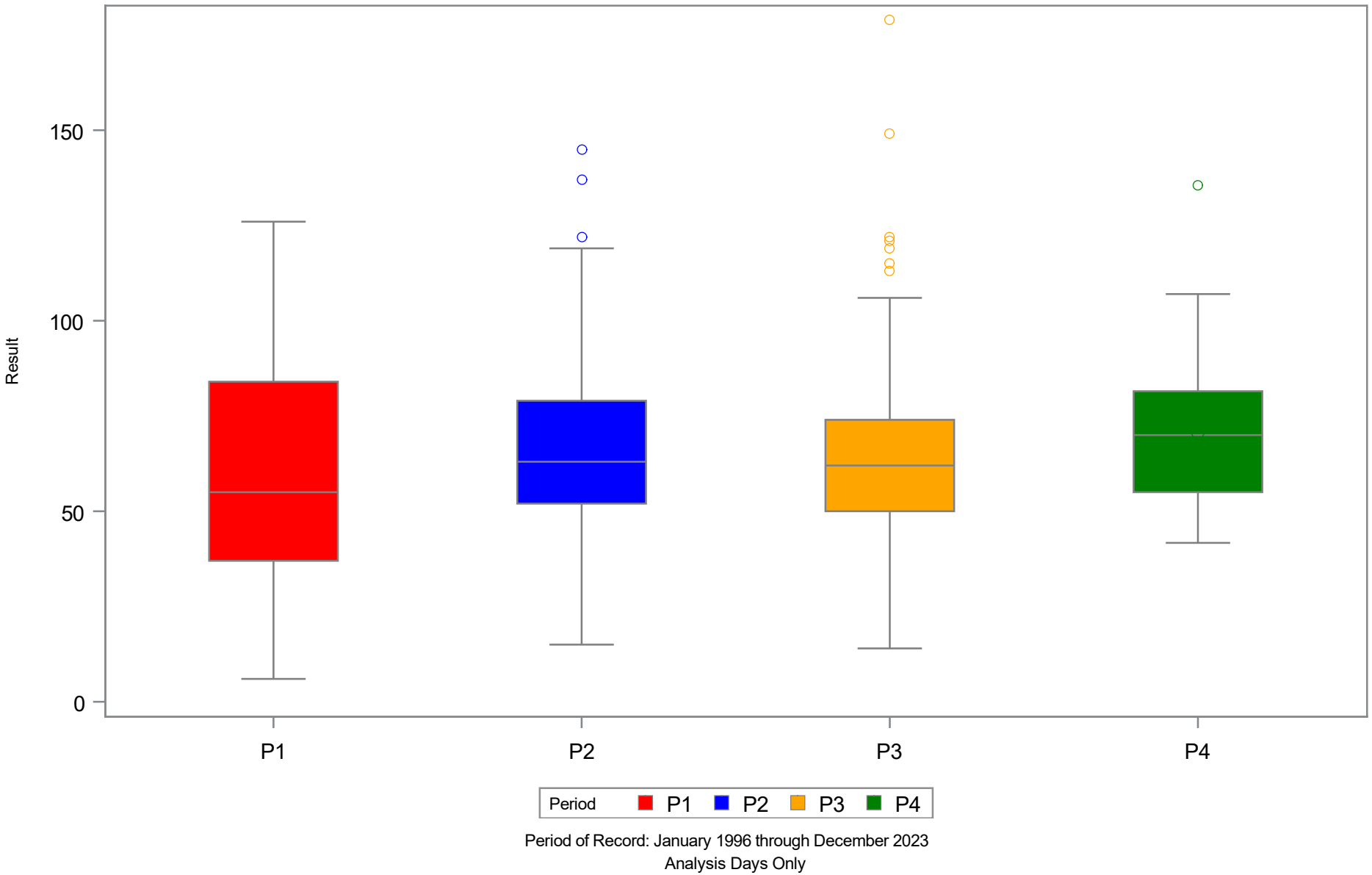
Distributional Statistics by Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	95	6.00	37.00	60.15	55.00	84.00	126.00
P2	203	15.00	52.00	66.16	63.00	79.00	145.00
P3	143	14.00	50.00	64.17	62.00	74.00	179.00
P4	29	41.70	55.00	70.91	70.00	81.50	135.50

Period of Record: January 1996 through December 2023
Analysis Days Only

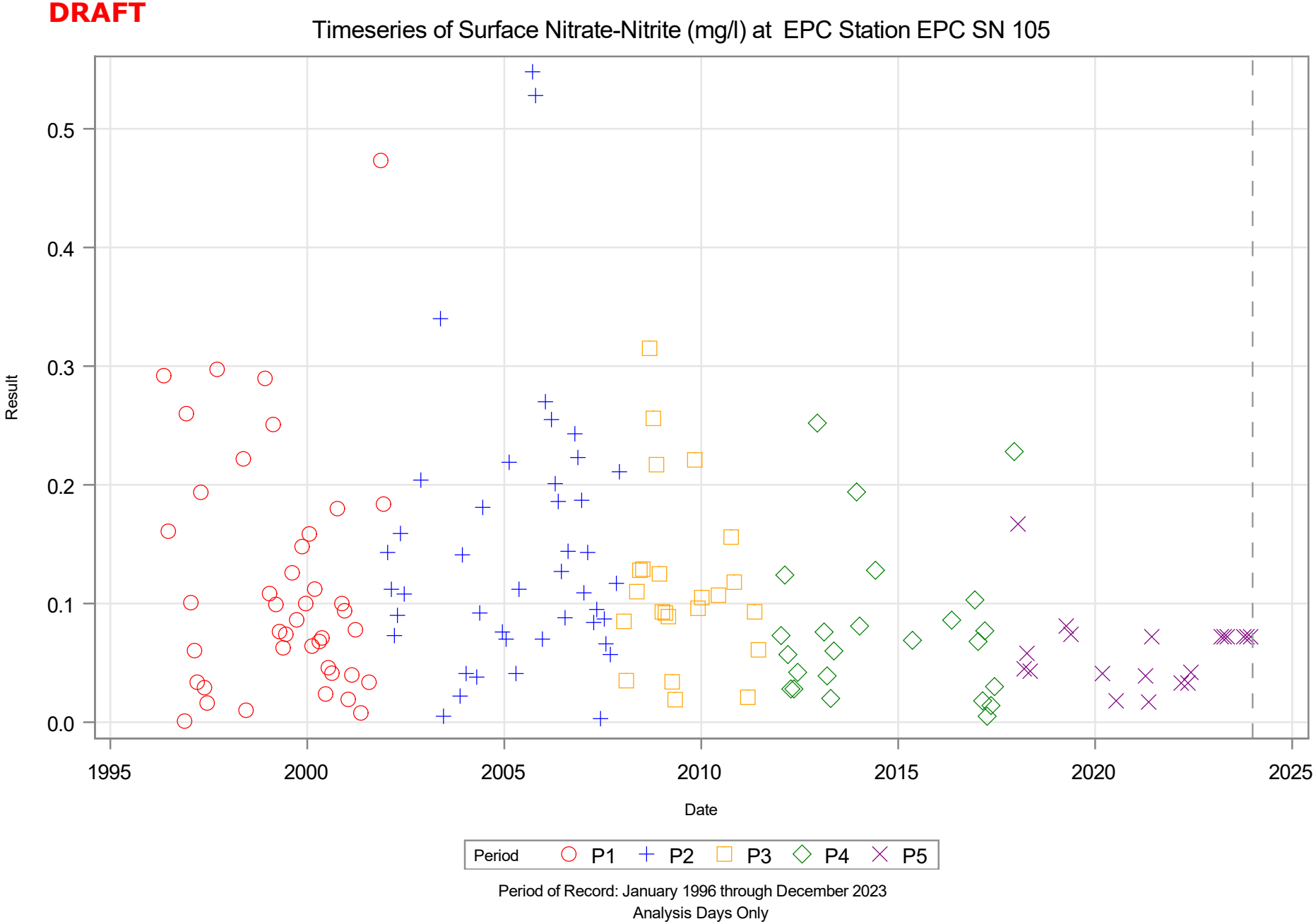
DRAFT

Boxplot by MFL Period for Surface Dissolved Oxygen Percent Saturation (%) at TBW HBMP Water Quality Station TBW HBMP



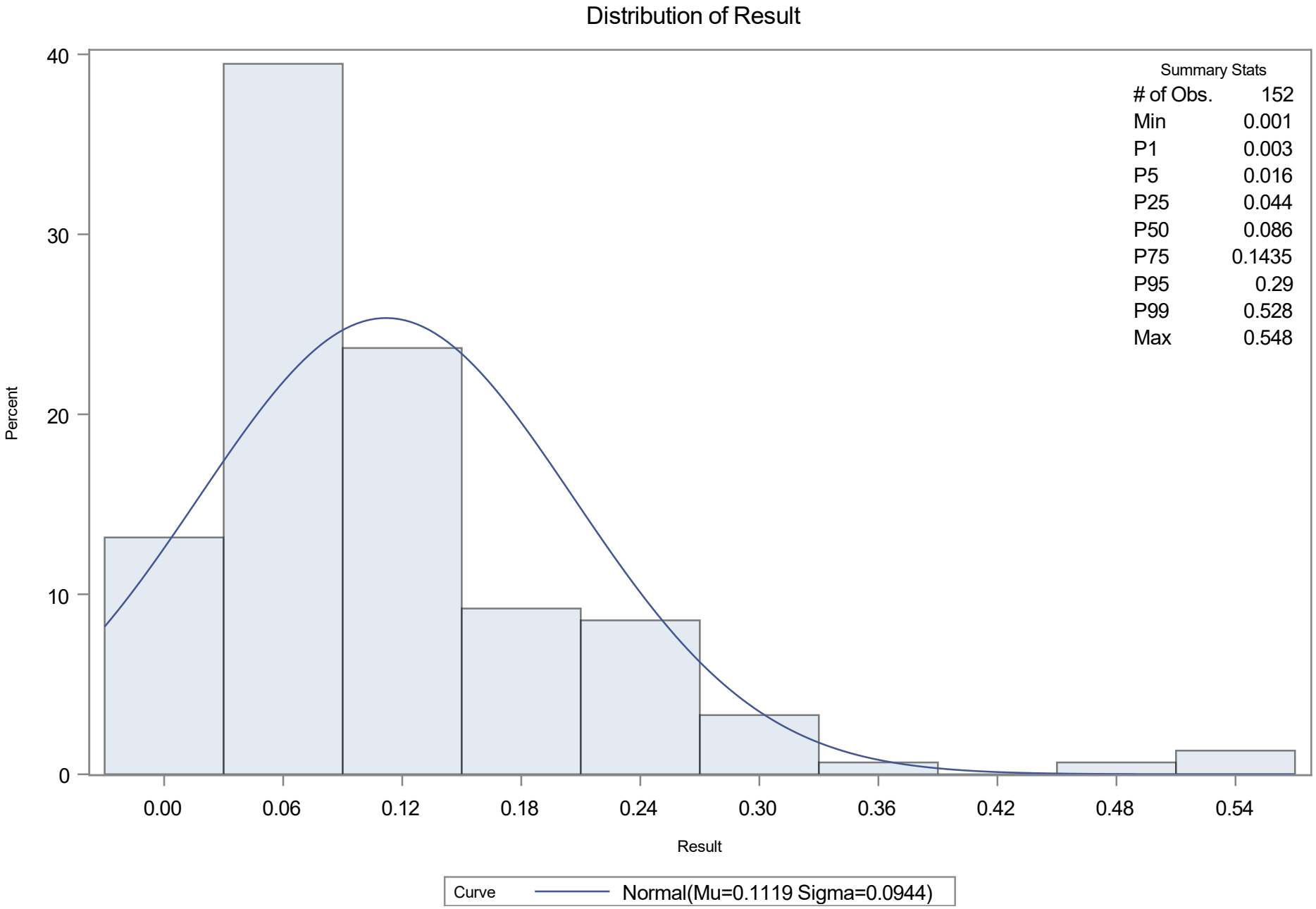
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 105
Result
0.0
0.1
0.2
0.3
0.4
0.5
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.111855
Std Dev	Sigma	0.094427

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17044114	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.14627897	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.39757978	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.10782
5.0	0.01600	-0.04346
10.0	0.02200	-0.00916
25.0	0.04400	0.04816
50.0	0.08600	0.11186
75.0	0.14350	0.17555
90.0	0.22800	0.23287
95.0	0.29000	0.26717
99.0	0.52800	0.33153

Period of Record: January 1996 through December 2023
Analysis Days Only

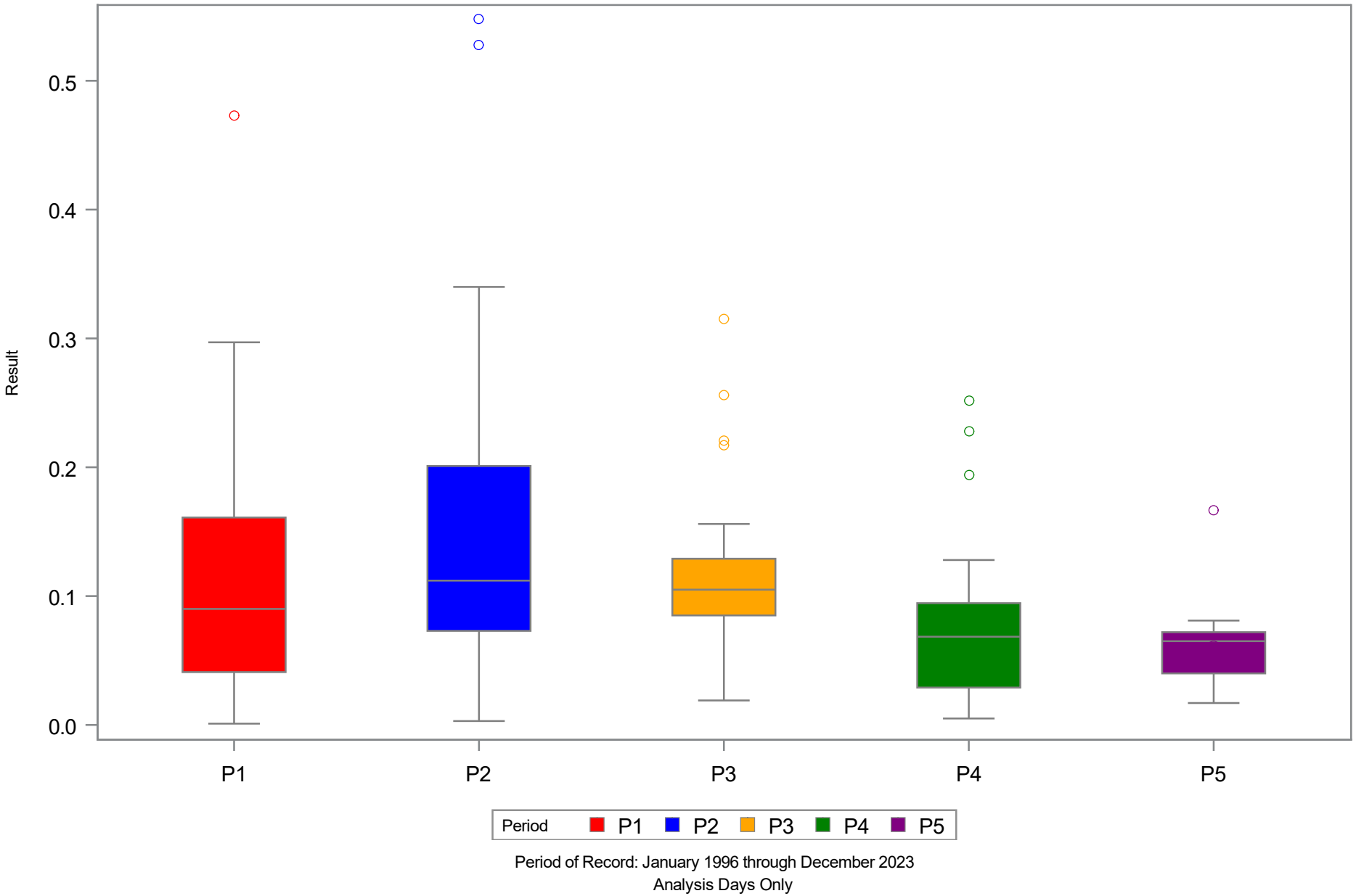
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 105

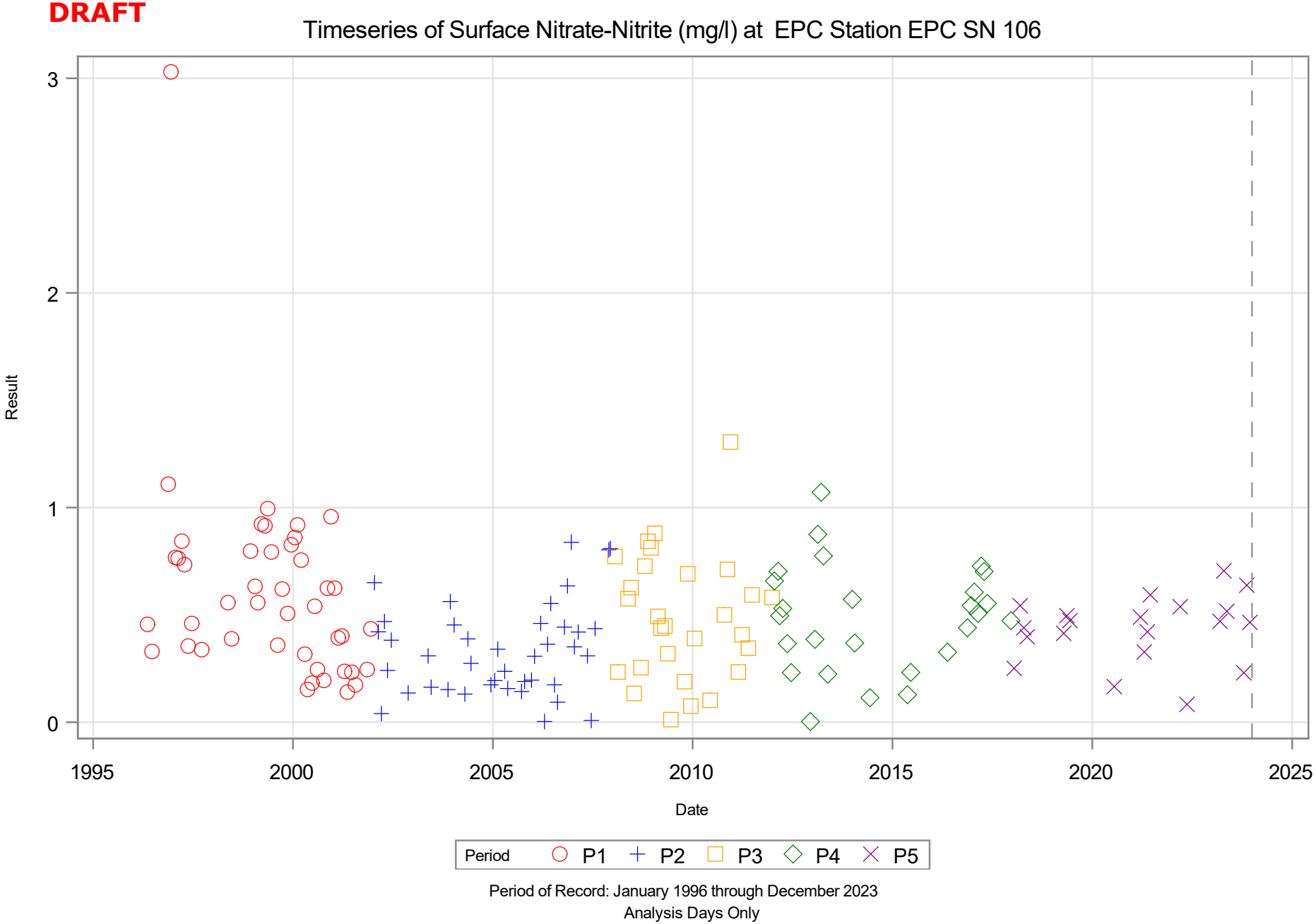
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	0.00	0.04	0.12	0.09	0.16	0.47
P2	43	0.00	0.07	0.15	0.11	0.20	0.55
P3	23	0.02	0.09	0.12	0.11	0.13	0.32
P4	24	0.01	0.03	0.08	0.07	0.09	0.25
P5	20	0.02	0.04	0.06	0.07	0.07	0.17

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

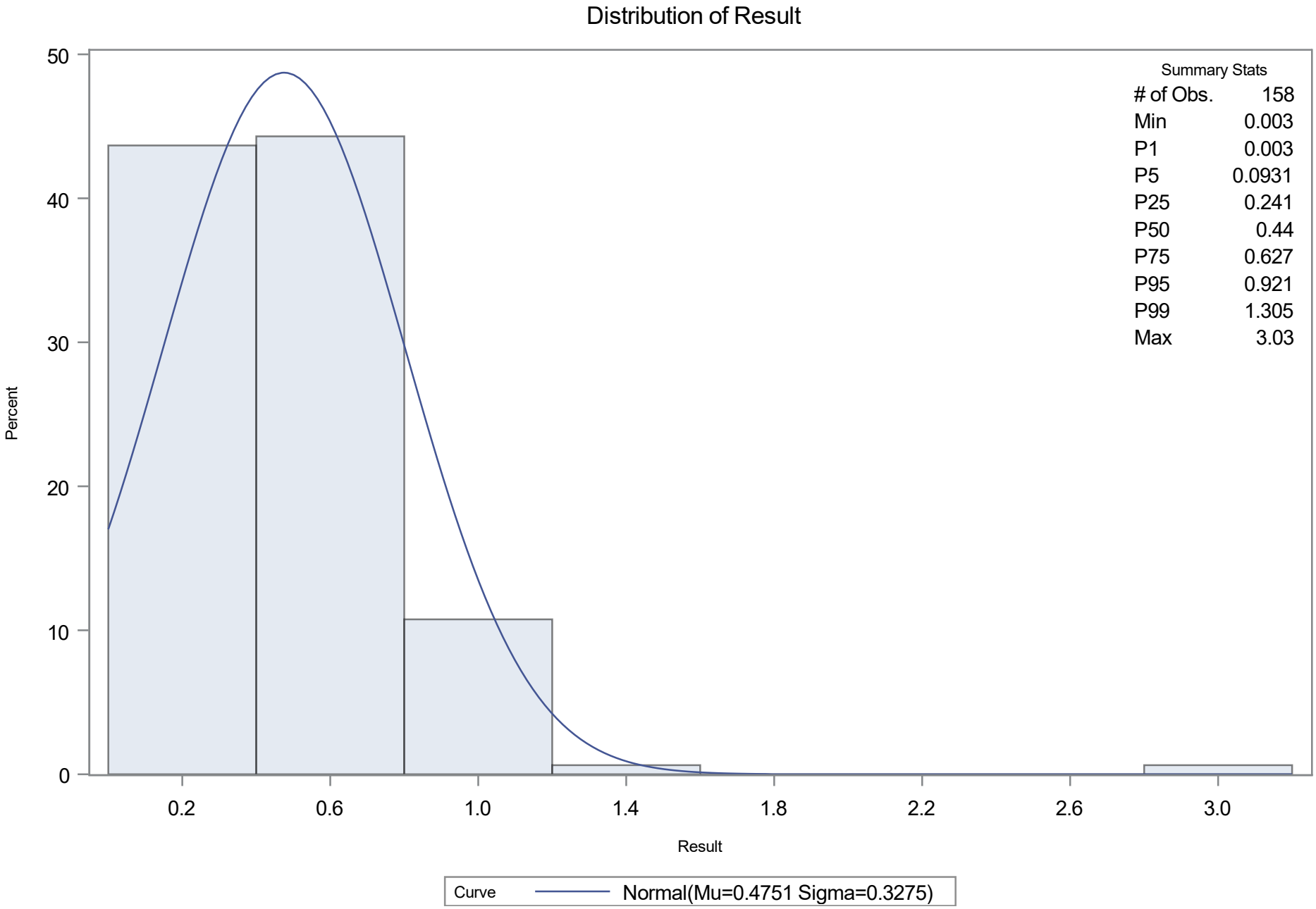

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 105
Result
0.0
0.1
0.2
0.3
0.4
0.5
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 106
Result
3
2
1
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.475083
Std Dev	Sigma	0.327488

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08522197	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37646039	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.82103839	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.28677
5.0	0.09310	-0.06359
10.0	0.14300	0.05539
25.0	0.24100	0.25420
50.0	0.44000	0.47508
75.0	0.62700	0.69597
90.0	0.82500	0.89478
95.0	0.92100	1.01375
99.0	1.30500	1.23693

Period of Record: January 1996 through December 2023
Analysis Days Only

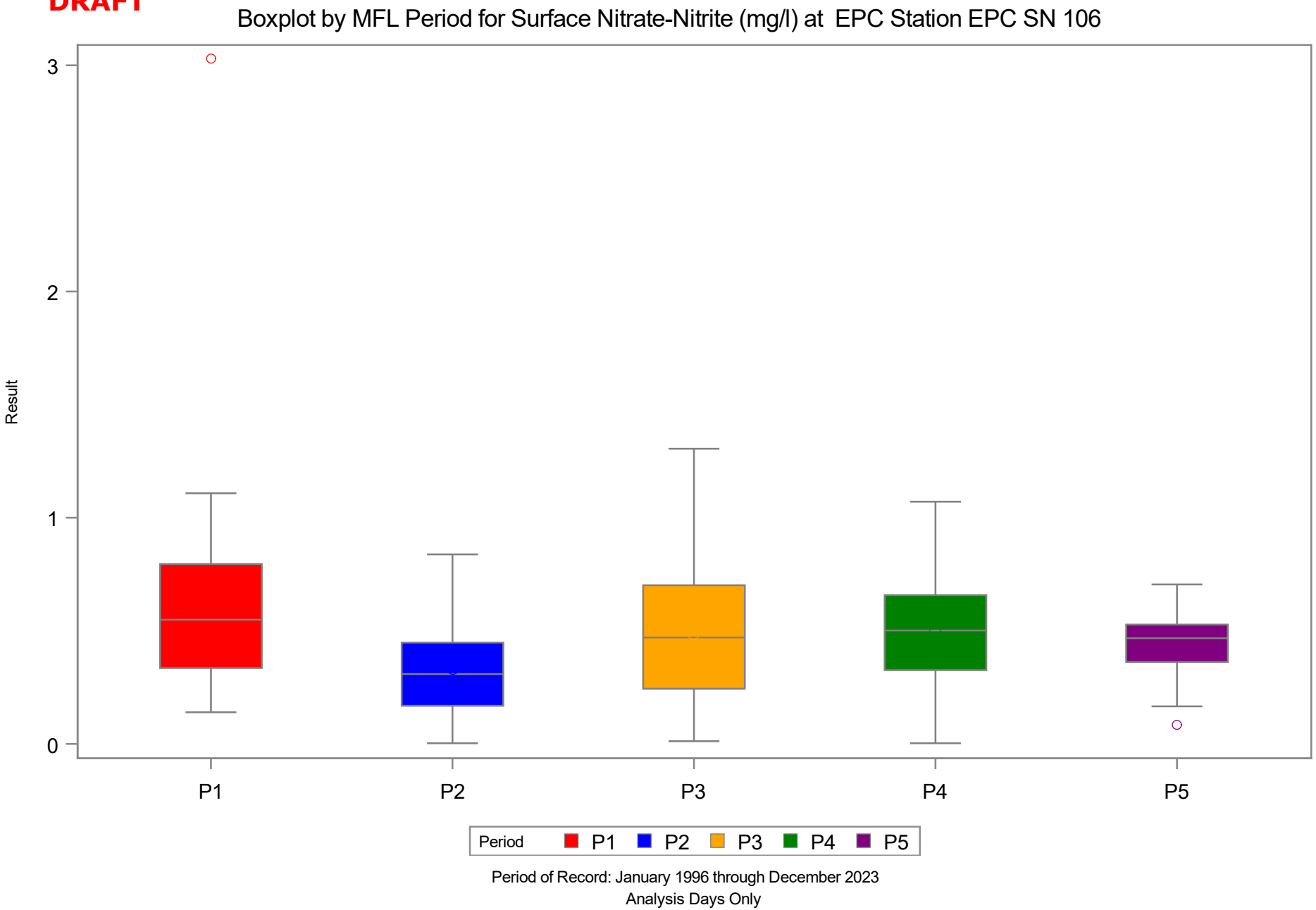
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 106

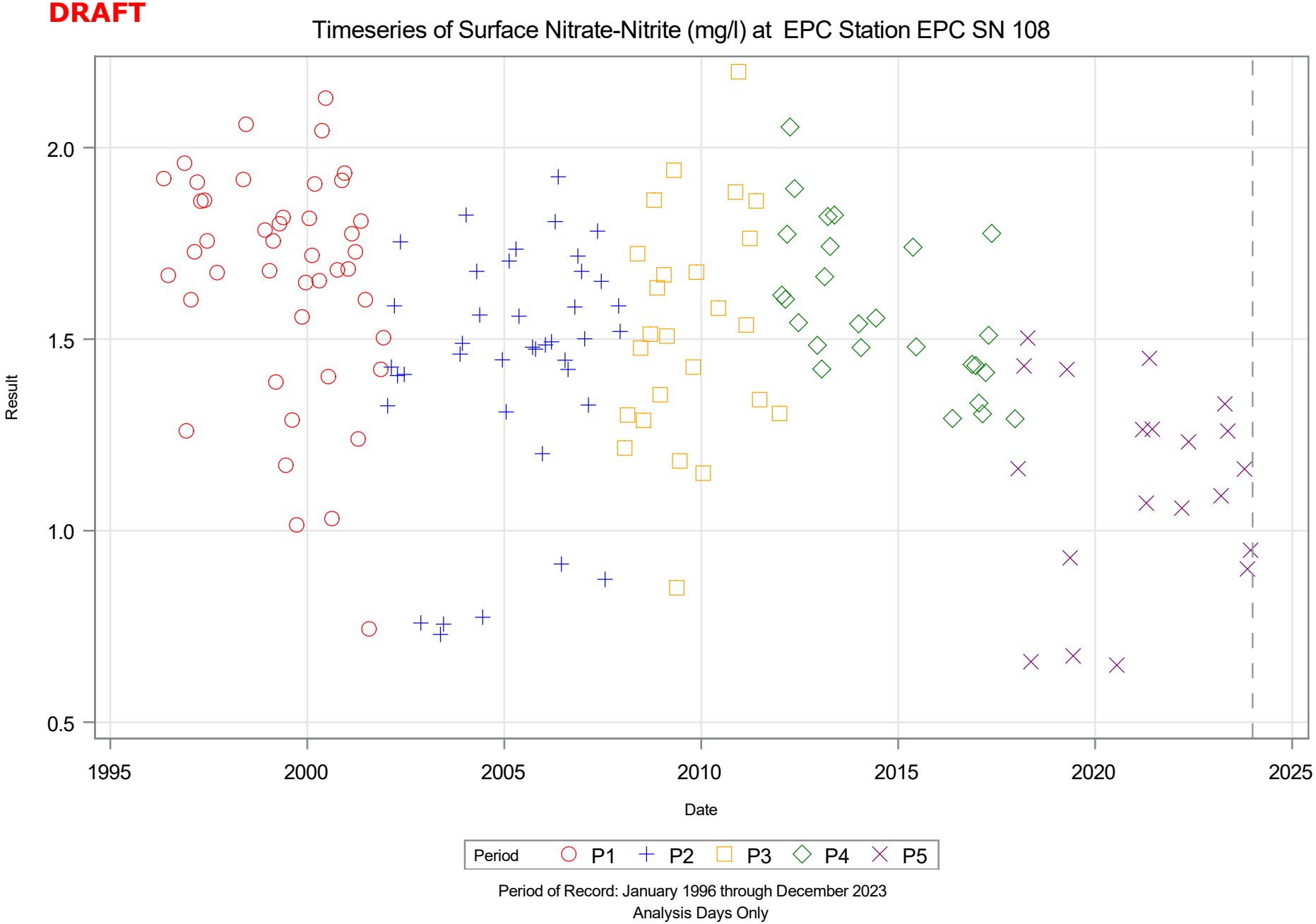
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.14	0.34	0.61	0.55	0.80	3.03
P2	40	0.00	0.17	0.34	0.31	0.45	0.84
P3	28	0.01	0.24	0.49	0.47	0.70	1.31
P4	26	0.00	0.33	0.49	0.50	0.66	1.07
P5	20	0.08	0.36	0.43	0.47	0.53	0.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

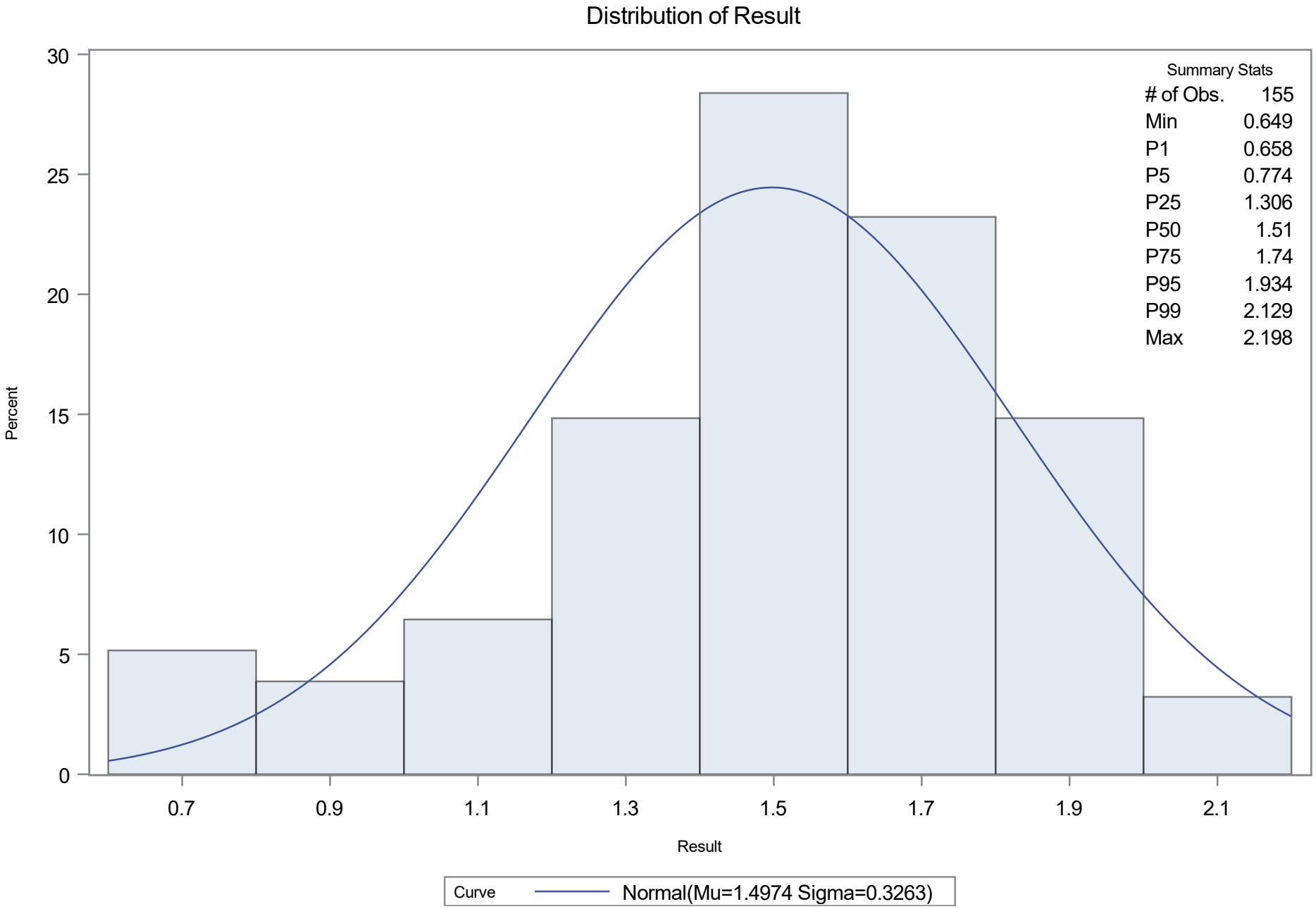

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 106
Result
3
2
1
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 108
Result
2.0
1.5
1.0
0.5
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.497387
Std Dev	Sigma	0.326306

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08296565	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18708569	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.38141104	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.65800	0.73829
5.0	0.77400	0.96066
10.0	1.03200	1.07921
25.0	1.30600	1.27730
50.0	1.51000	1.49739
75.0	1.74000	1.71748
90.0	1.88400	1.91557
95.0	1.93400	2.03411
99.0	2.12900	2.25649

Period of Record: January 1996 through December 2023
Analysis Days Only

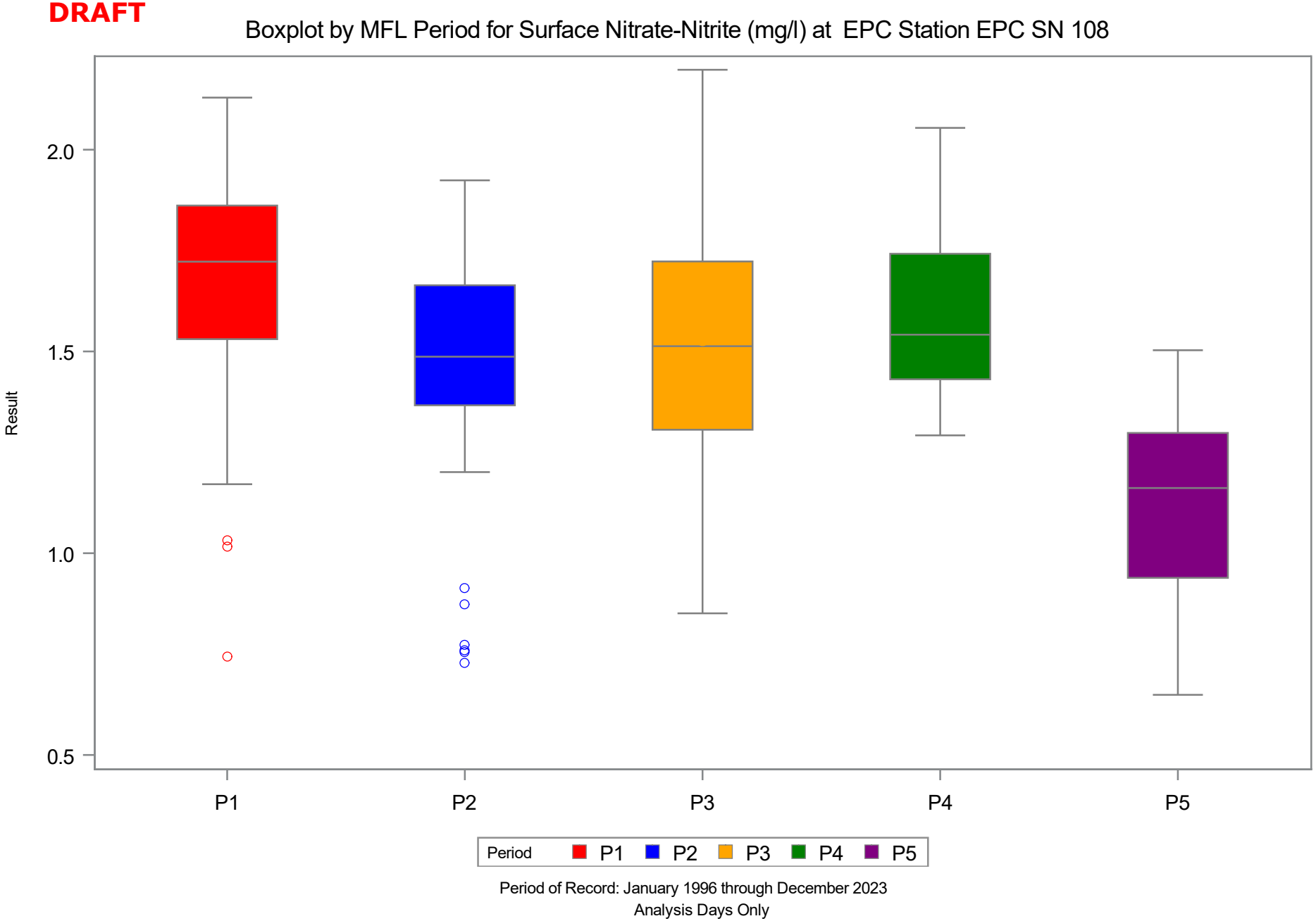
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 108

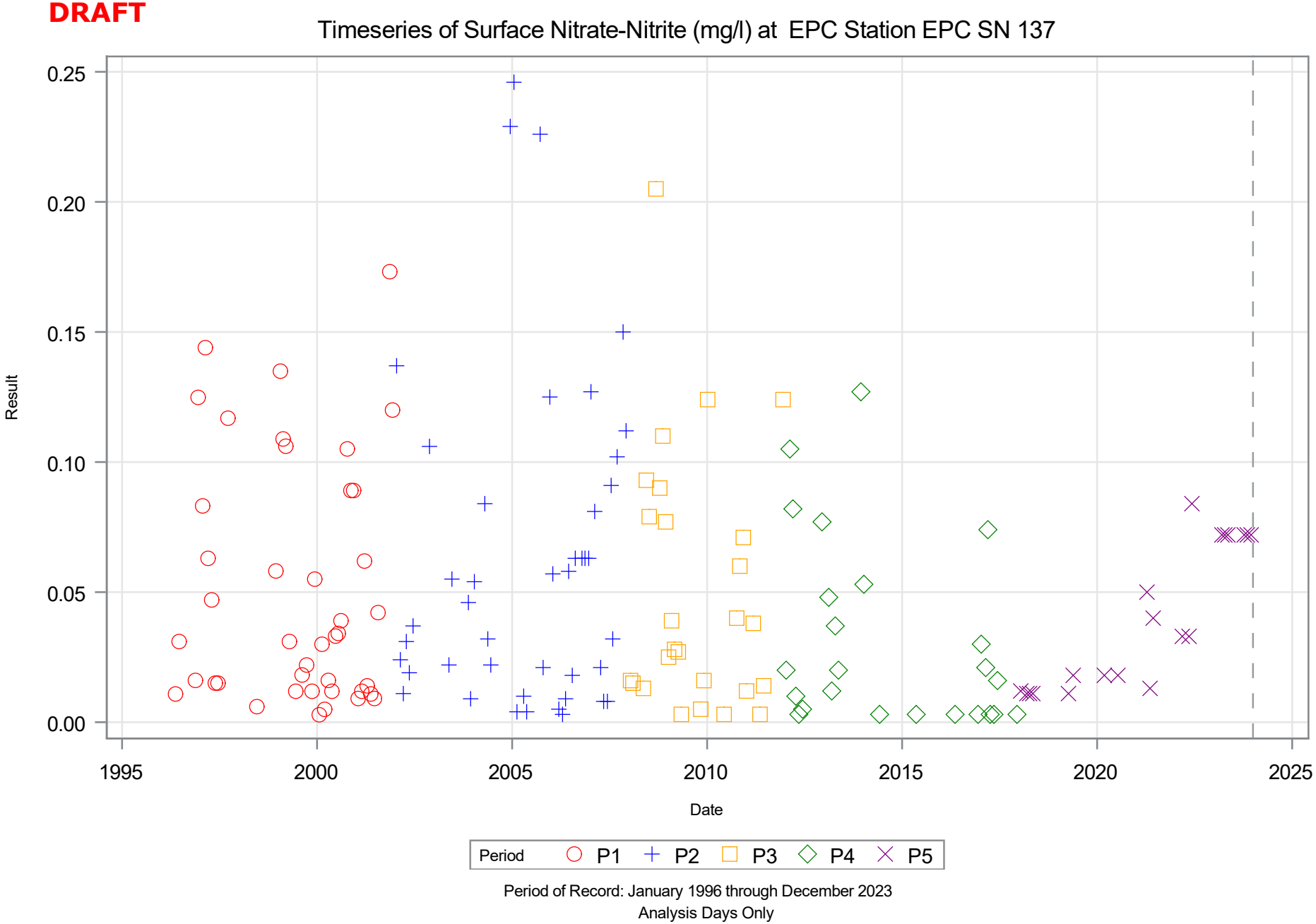
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.74	1.53	1.65	1.72	1.86	2.13
P2	40	0.73	1.37	1.44	1.49	1.66	1.92
P3	25	0.85	1.31	1.53	1.51	1.72	2.20
P4	26	1.29	1.43	1.58	1.54	1.74	2.05
P5	20	0.65	0.94	1.12	1.16	1.30	1.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

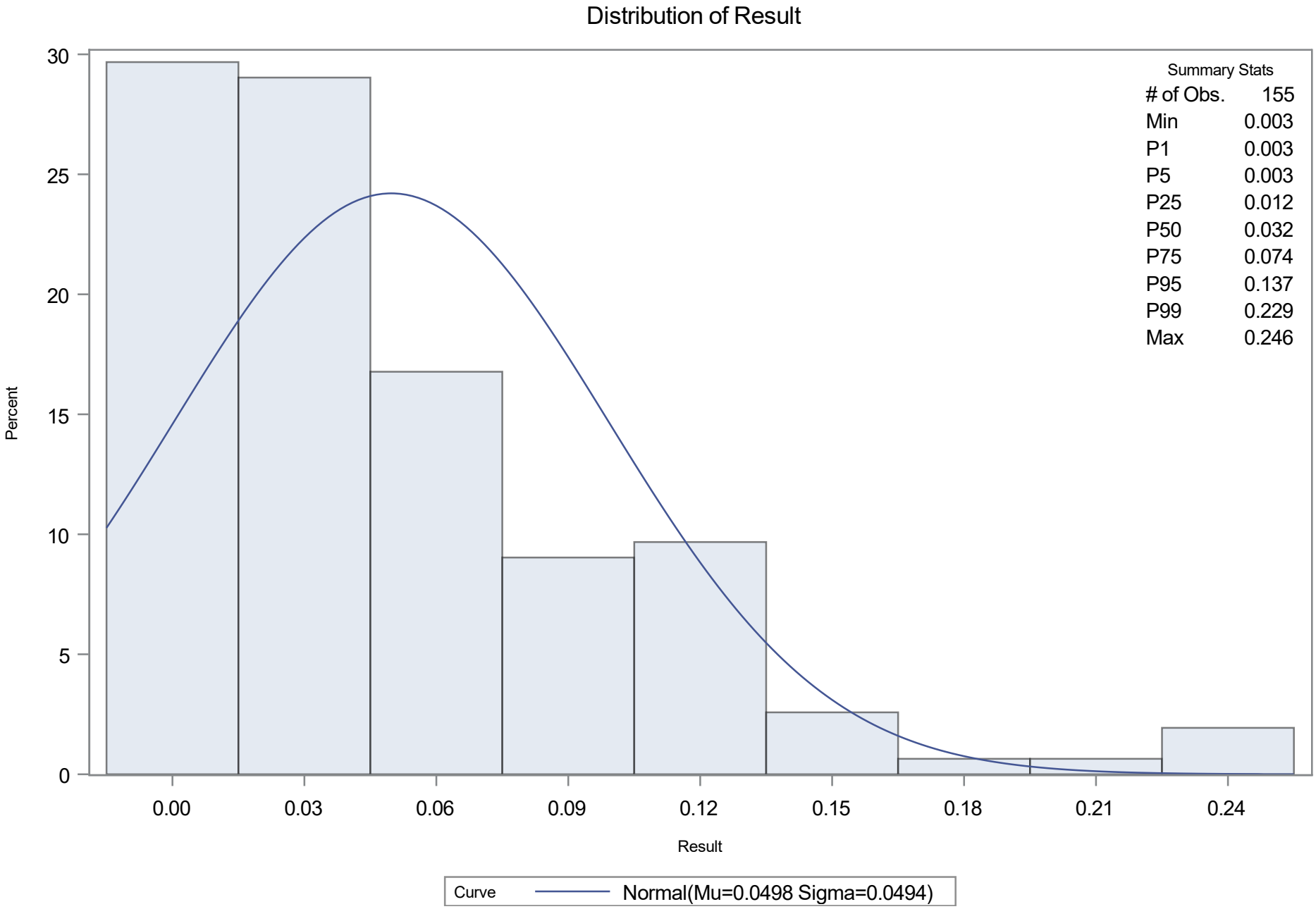

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 108
Result
2.0
1.5
1.0
0.5
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 137
Result
0.25
0.20
0.15
0.10
0.05
0.00
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.049755
Std Dev	Sigma	0.049441

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17216028	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.24005463	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.32585831	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.06526
5.0	0.00300	-0.03157
10.0	0.00500	-0.01361
25.0	0.01200	0.01641
50.0	0.03200	0.04975
75.0	0.07400	0.08310
90.0	0.12000	0.11312
95.0	0.13700	0.13108
99.0	0.22900	0.16477

Period of Record: January 1996 through December 2023
Analysis Days Only

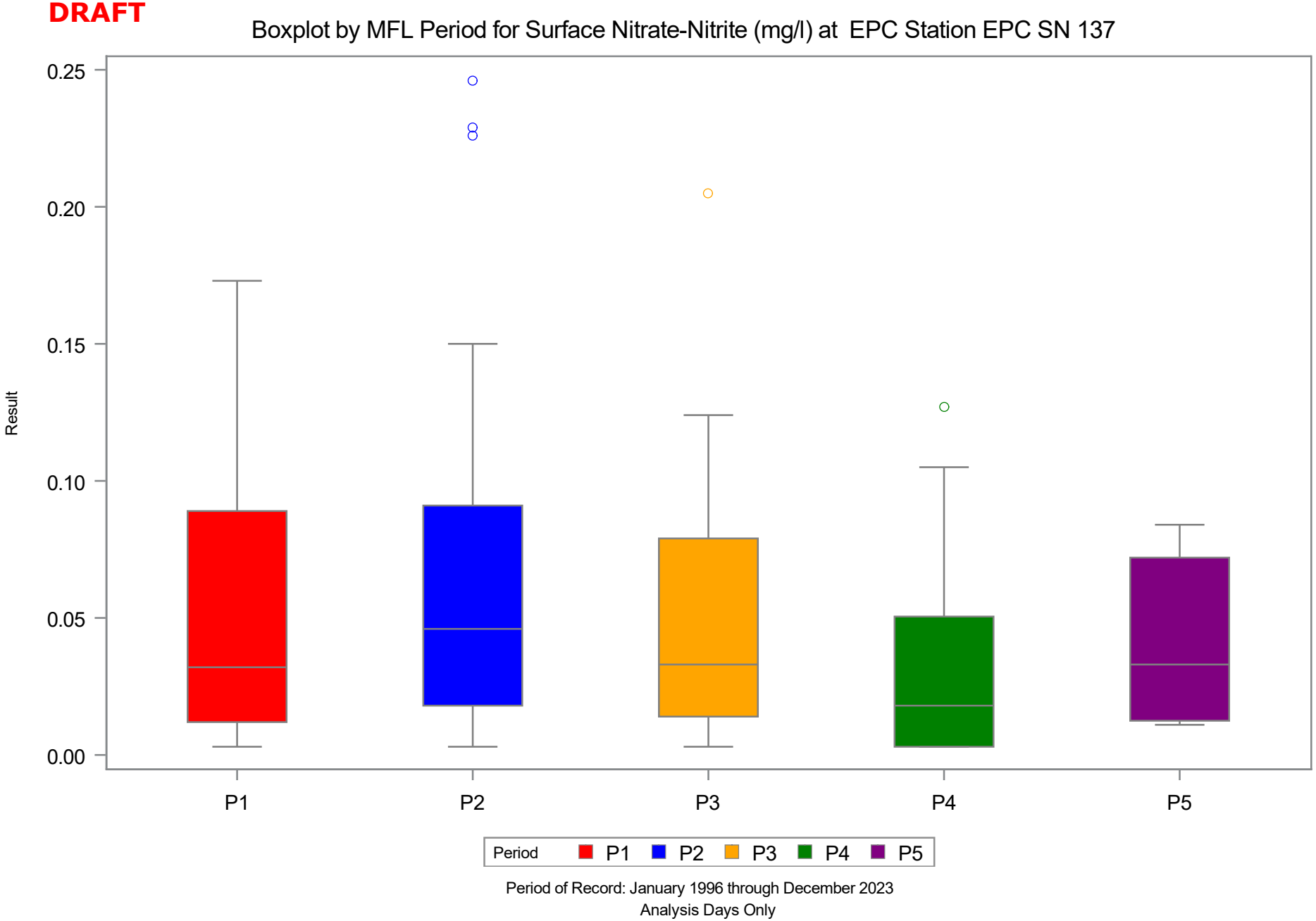
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 137

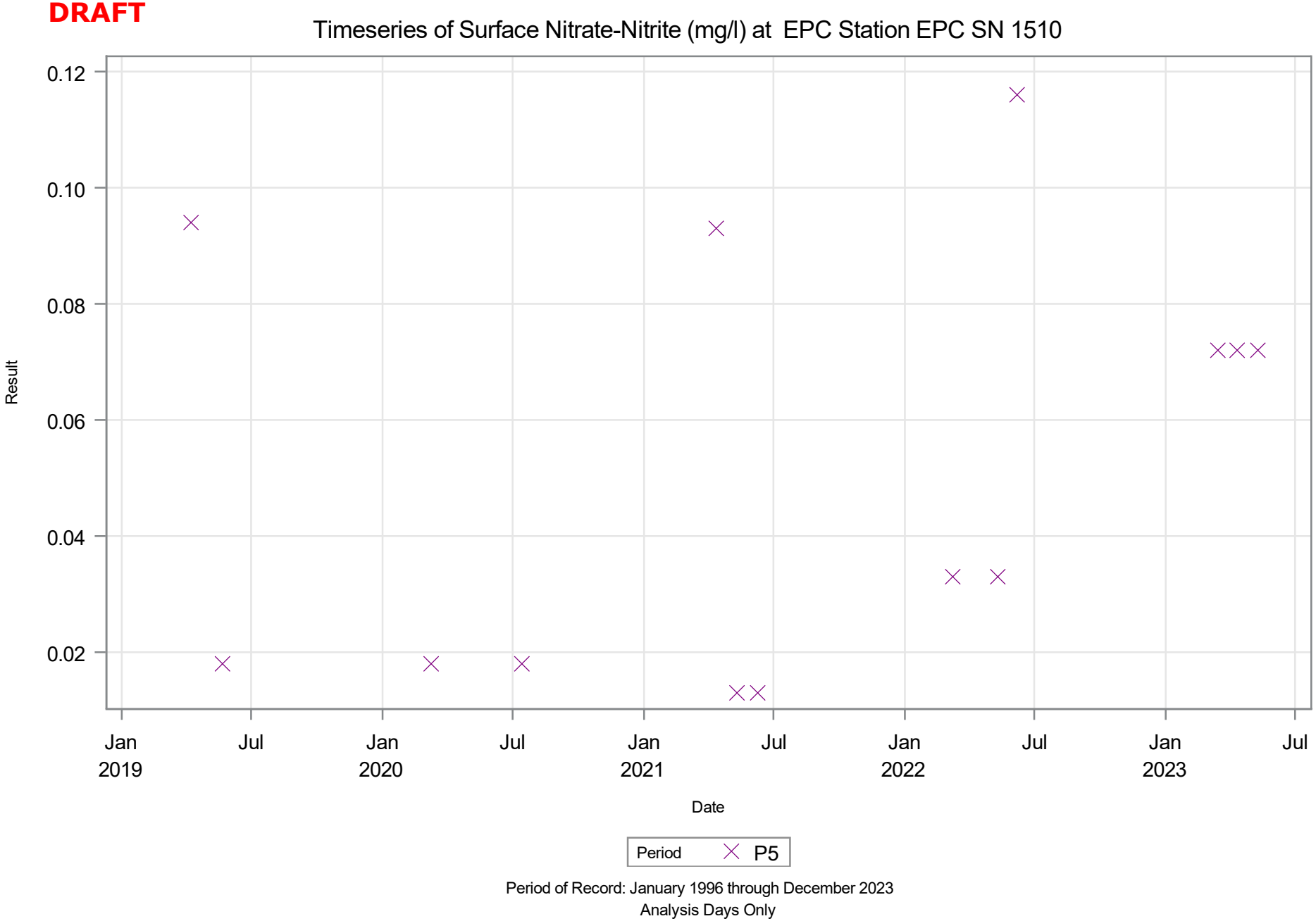
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	0.00	0.01	0.05	0.03	0.09	0.17
P2	43	0.00	0.02	0.06	0.05	0.09	0.25
P3	26	0.00	0.01	0.05	0.03	0.08	0.21
P4	24	0.00	0.00	0.03	0.02	0.05	0.13
P5	20	0.01	0.01	0.04	0.03	0.07	0.08

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

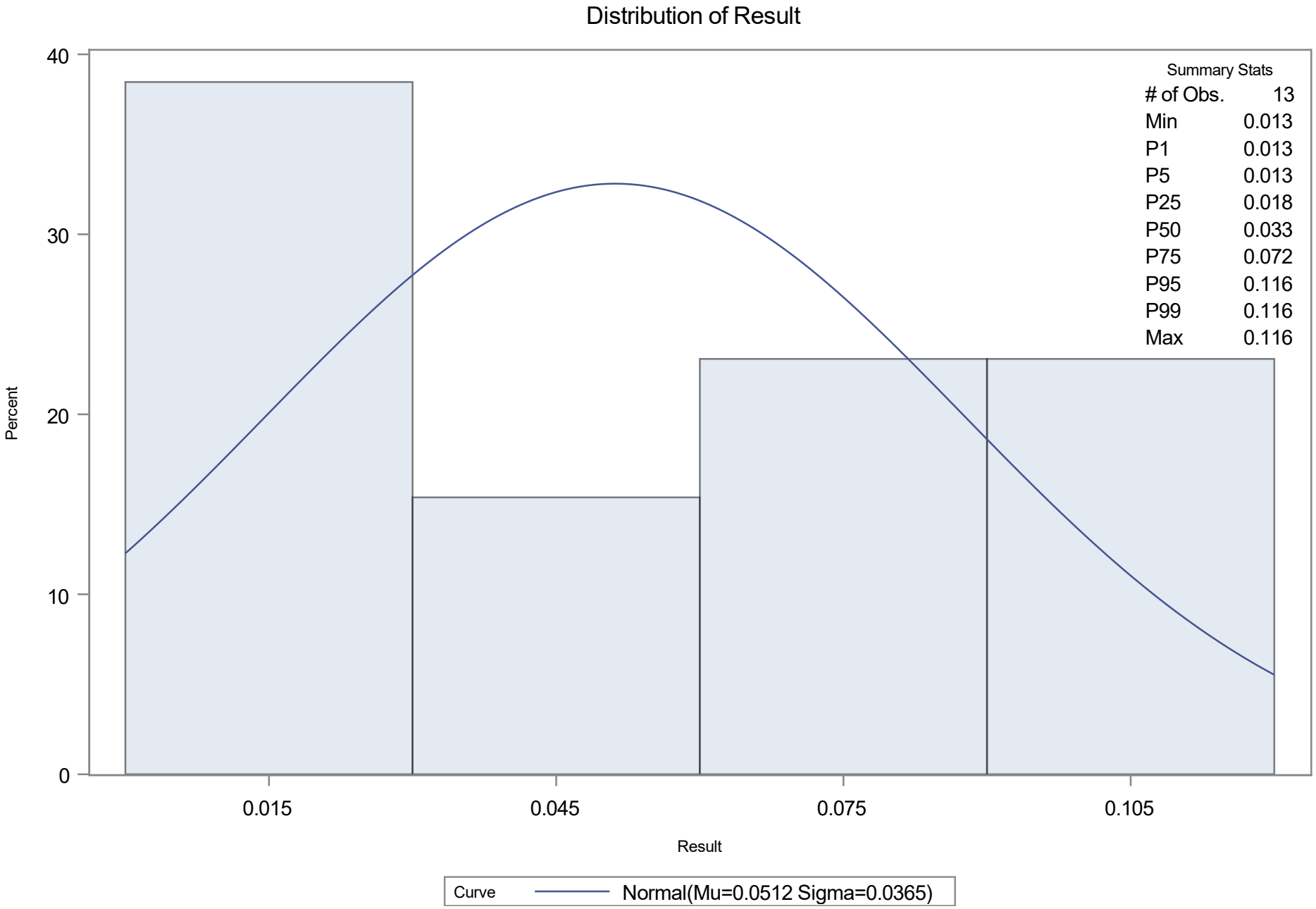

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 137
Result
0.25
0.20
0.15
0.10
0.05
0.00
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 1510
Result
0.12
0.10
0.08
0.06
0.04
0.02
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.051154
Std Dev	Sigma	0.036473

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22912387	**Pr > D**	0.061
Cramer-von Mises	**W-Sq**	0.13148607	**Pr > W-Sq**	0.038
Anderson-Darling	**A-Sq**	0.75776161	**Pr > A-Sq**	0.038

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01300	-0.03370
5.0	0.01300	-0.00884
10.0	0.01300	0.00441
25.0	0.01800	0.02655
50.0	0.03300	0.05115
75.0	0.07200	0.07575
90.0	0.09400	0.09790
95.0	0.11600	0.11115
99.0	0.11600	0.13600

Period of Record: January 1996 through December 2023
Analysis Days Only

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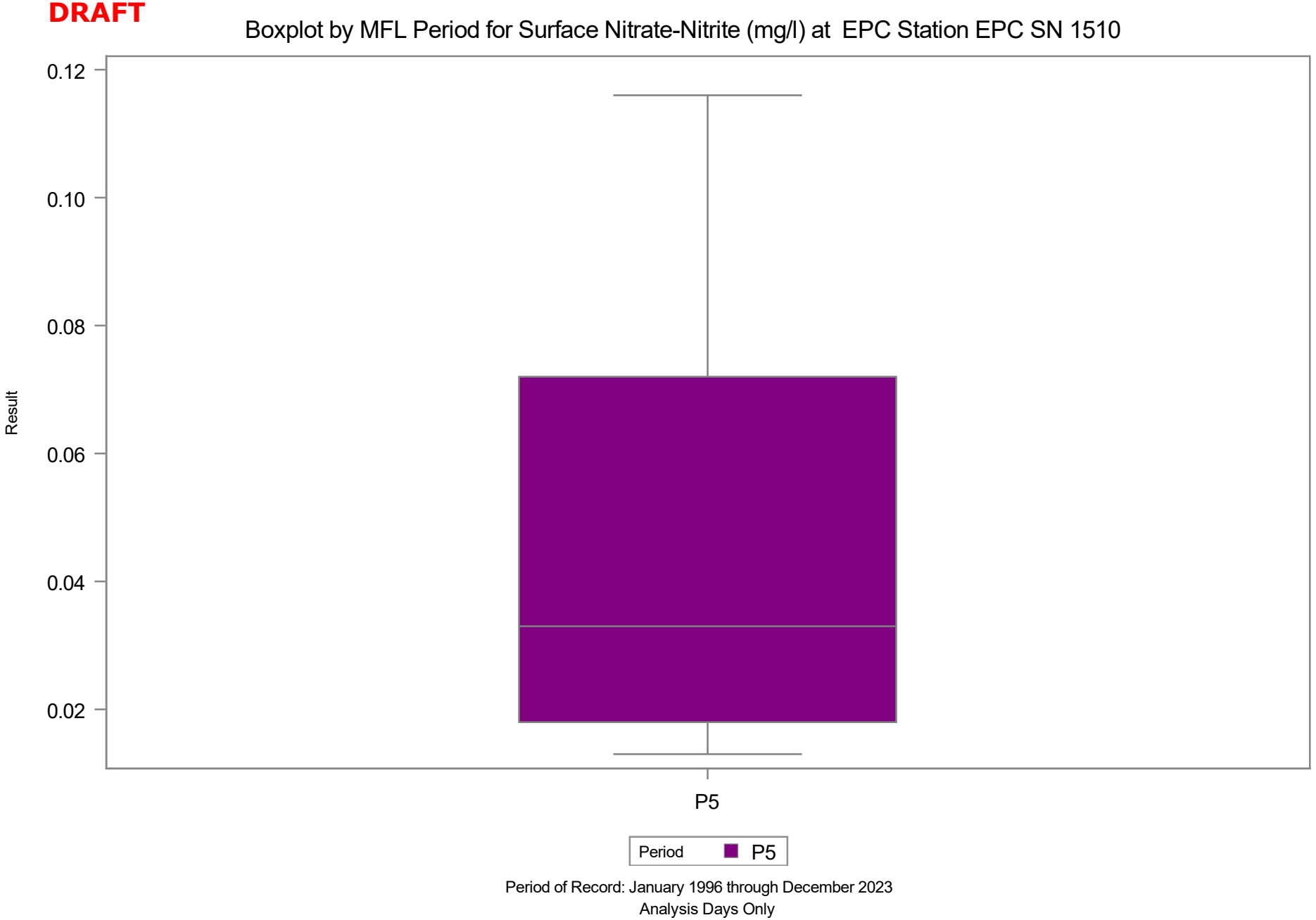
Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 1510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	0.01	0.02	0.05	0.03	0.07	0.12

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 1510
Result
0.12
0.10
0.08
0.06
0.04
0.02
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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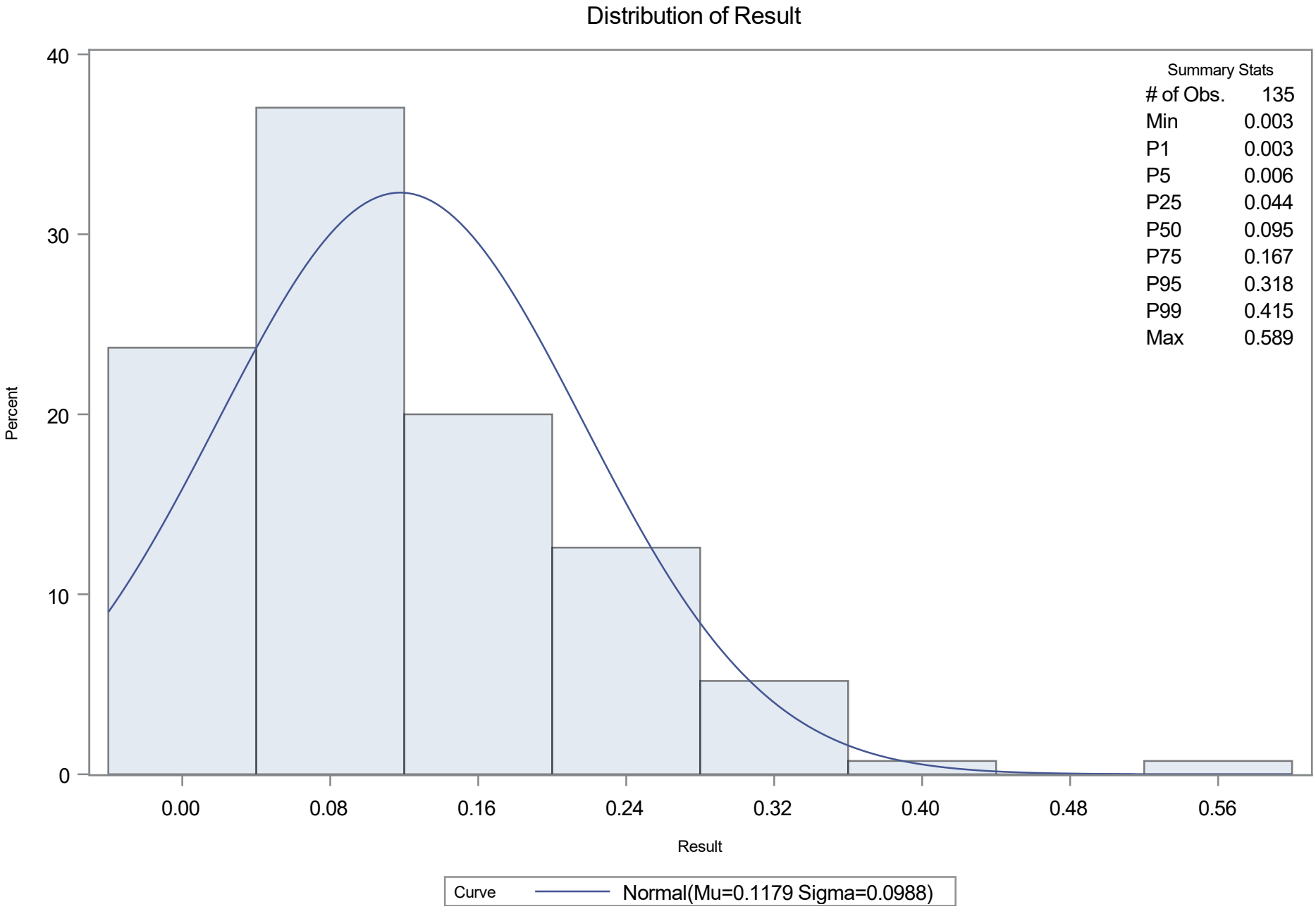
Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 152

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.117874
Std Dev	Sigma	0.098757

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12861319	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.56138021	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.40866295	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.11187
5.0	0.00600	-0.04457
10.0	0.01300	-0.00869
25.0	0.04400	0.05126
50.0	0.09500	0.11787
75.0	0.16700	0.18448
90.0	0.25400	0.24444
95.0	0.31800	0.28031
99.0	0.41500	0.34762

Period of Record: January 1996 through December 2023
Analysis Days Only

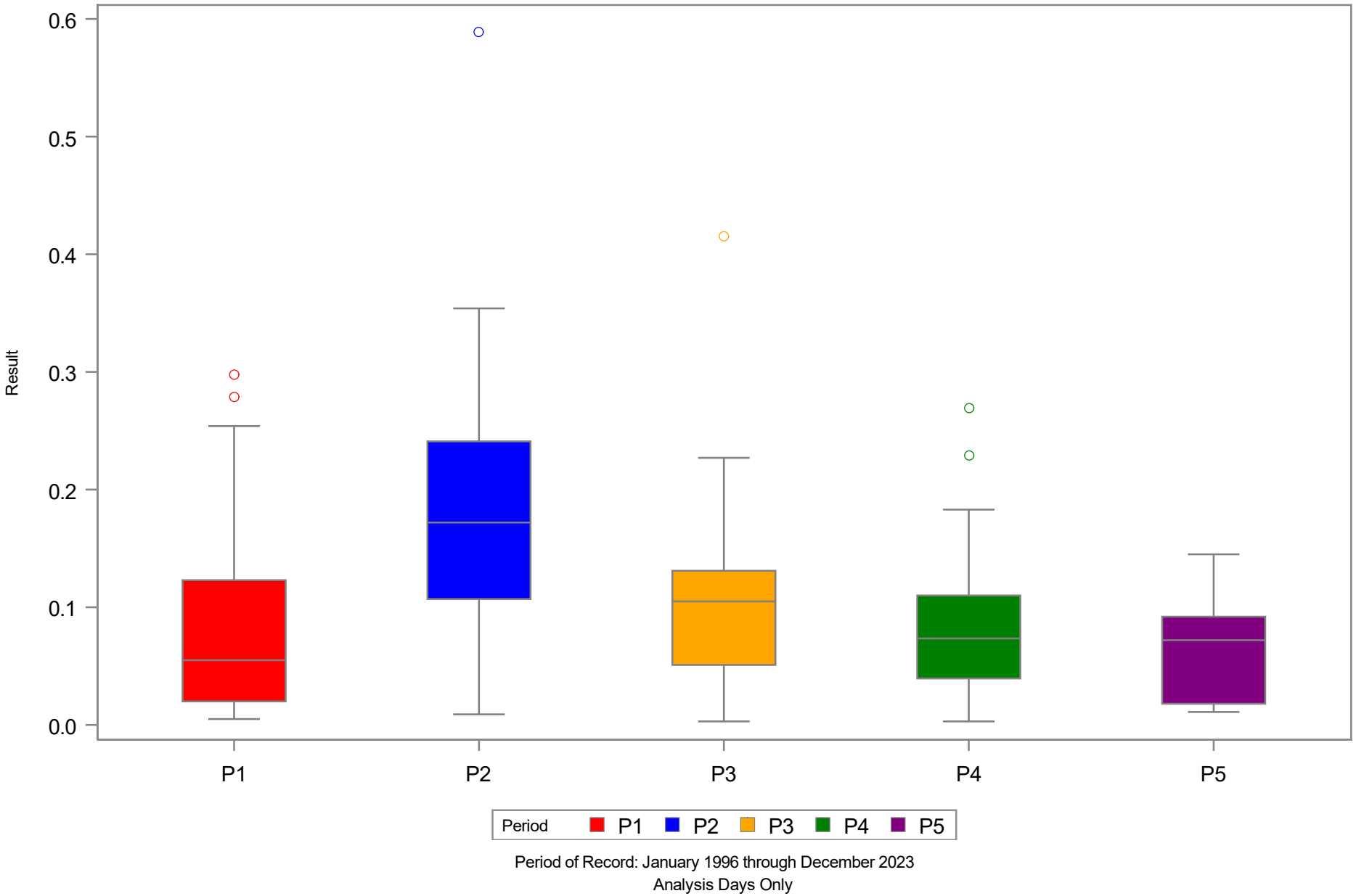
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 152

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	23	0.01	0.02	0.09	0.06	0.12	0.30
P2	43	0.01	0.11	0.18	0.17	0.24	0.59
P3	26	0.00	0.05	0.11	0.11	0.13	0.42
P4	24	0.00	0.04	0.08	0.07	0.11	0.27
P5	19	0.01	0.02	0.06	0.07	0.09	0.15

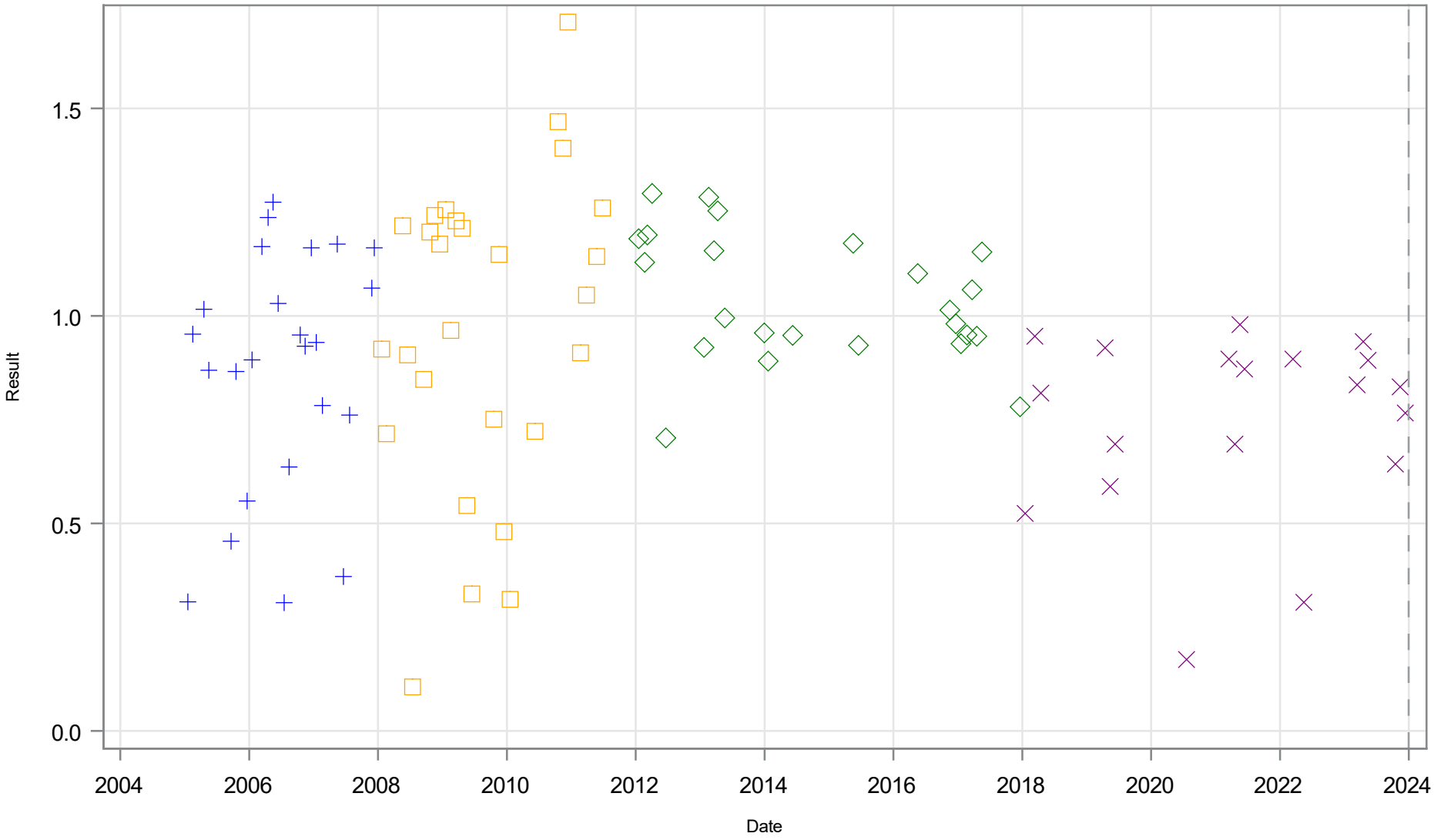
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 152
Result
0.6
0.5
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

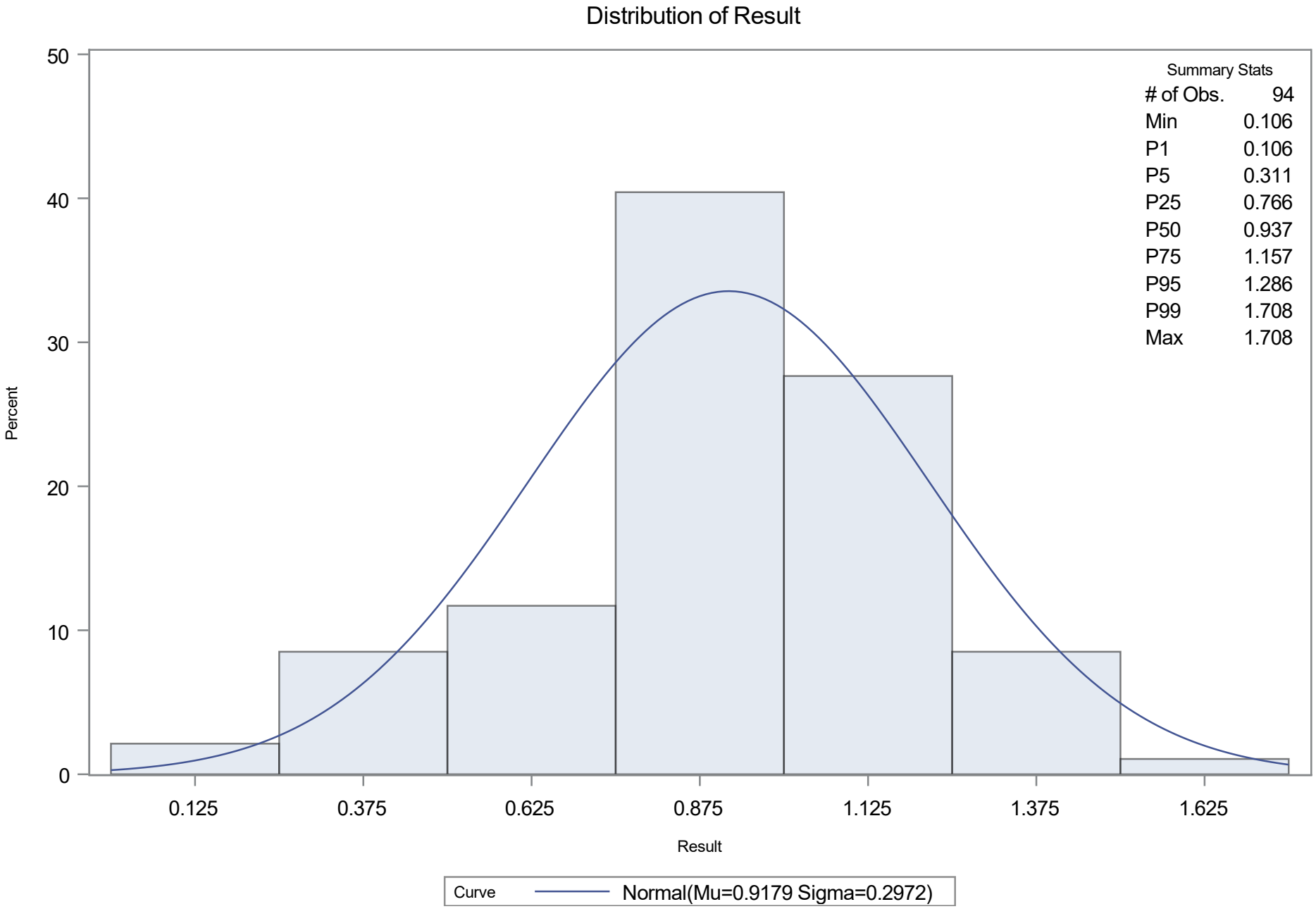
Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.917872
Std Dev	Sigma	0.297249

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11291953	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21273210	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.32500589	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10600	0.22637
5.0	0.31100	0.42894
10.0	0.48000	0.53693
25.0	0.76600	0.71738
50.0	0.93700	0.91787
75.0	1.15700	1.11836
90.0	1.24200	1.29881
95.0	1.28600	1.40680
99.0	1.70800	1.60938

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 165

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	24	0.31	0.70	0.87	0.93	1.12	1.27
P3	27	0.11	0.72	0.97	1.05	1.23	1.71
P4	24	0.71	0.94	1.04	1.00	1.17	1.30
P5	19	0.17	0.64	0.75	0.83	0.90	0.98

Period of Record: January 1996 through December 2023
Analysis Days Only

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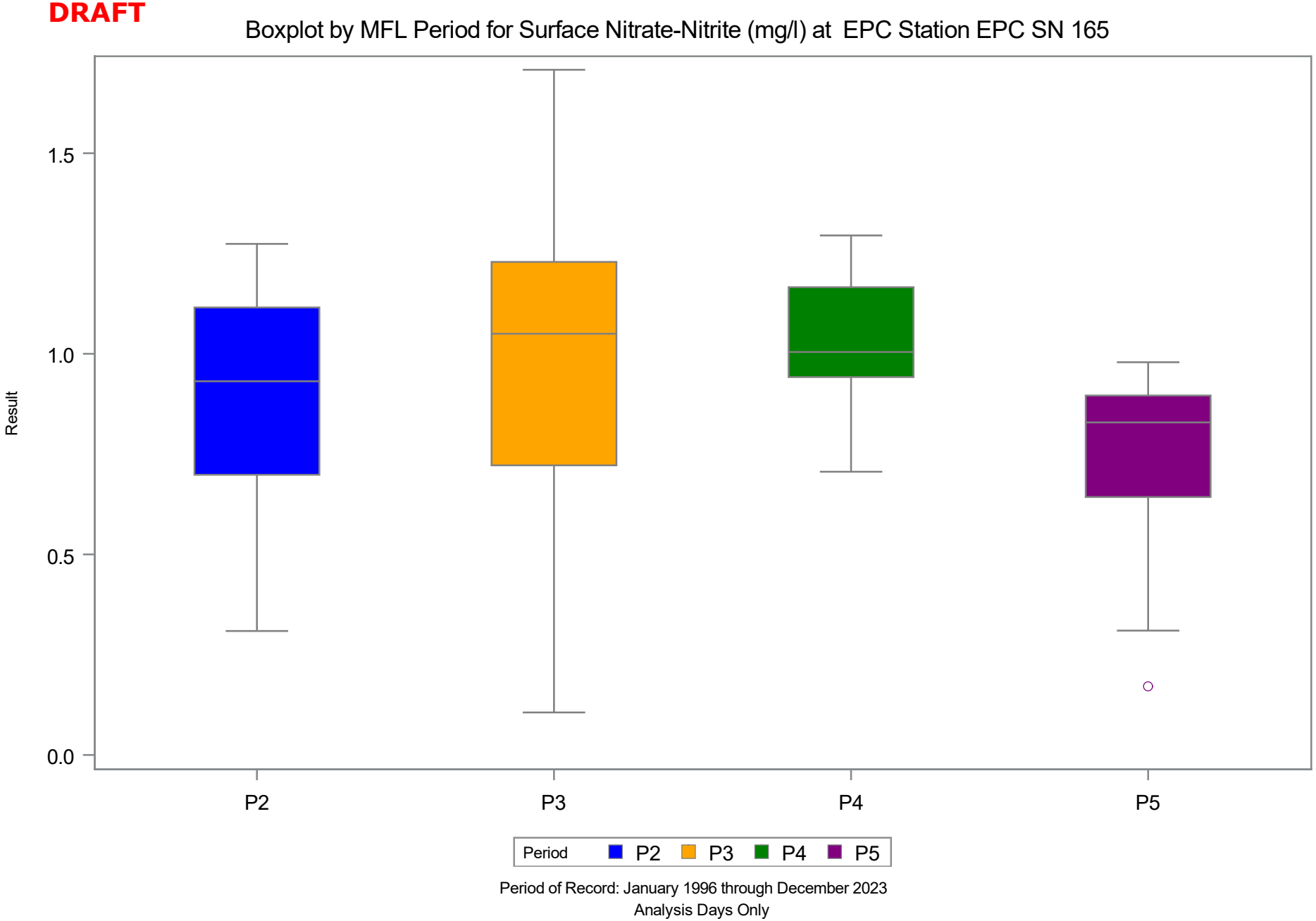
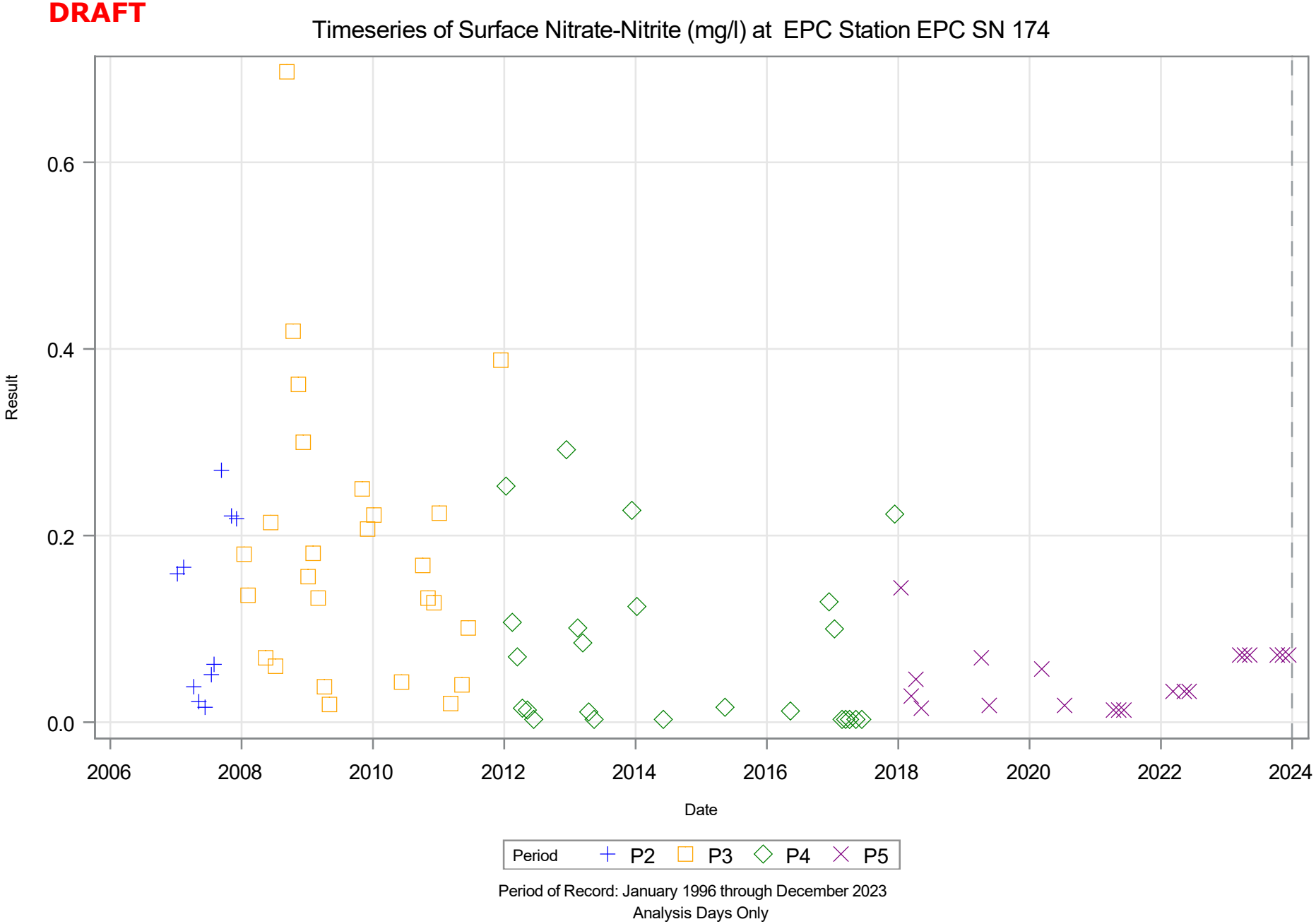
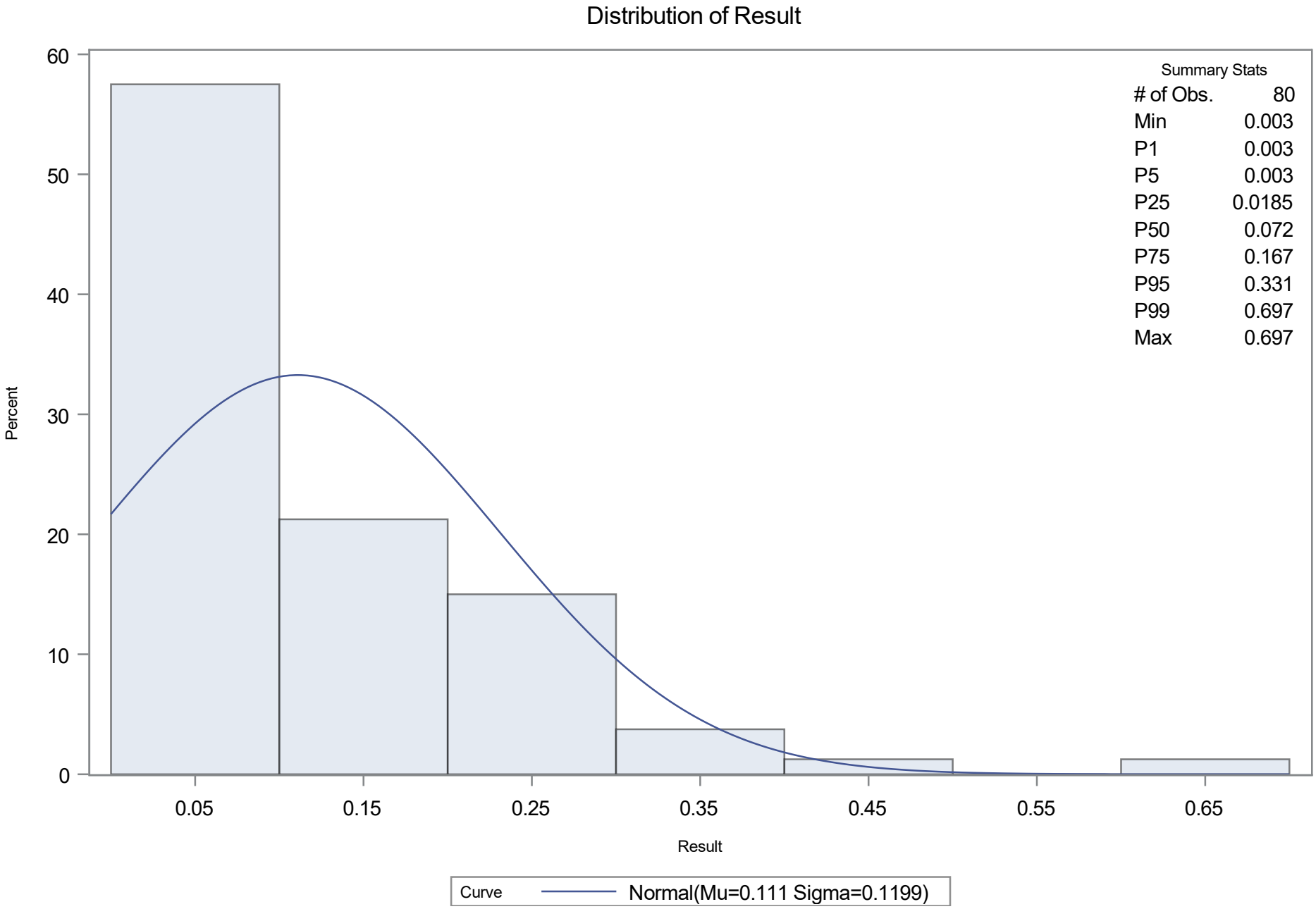

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 165
Result
1.5
1.0
0.5
0.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 174
Result
0.0
0.2
0.4
0.6
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.110975
Std Dev	Sigma	0.119913

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18991932	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.64960466	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.85102444	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.16799
5.0	0.00300	-0.08627
10.0	0.00700	-0.04270
25.0	0.01850	0.03009
50.0	0.07200	0.11097
75.0	0.16700	0.19186
90.0	0.25150	0.26465
95.0	0.33100	0.30822
99.0	0.69700	0.38994

Period of Record: January 1996 through December 2023
Analysis Days Only

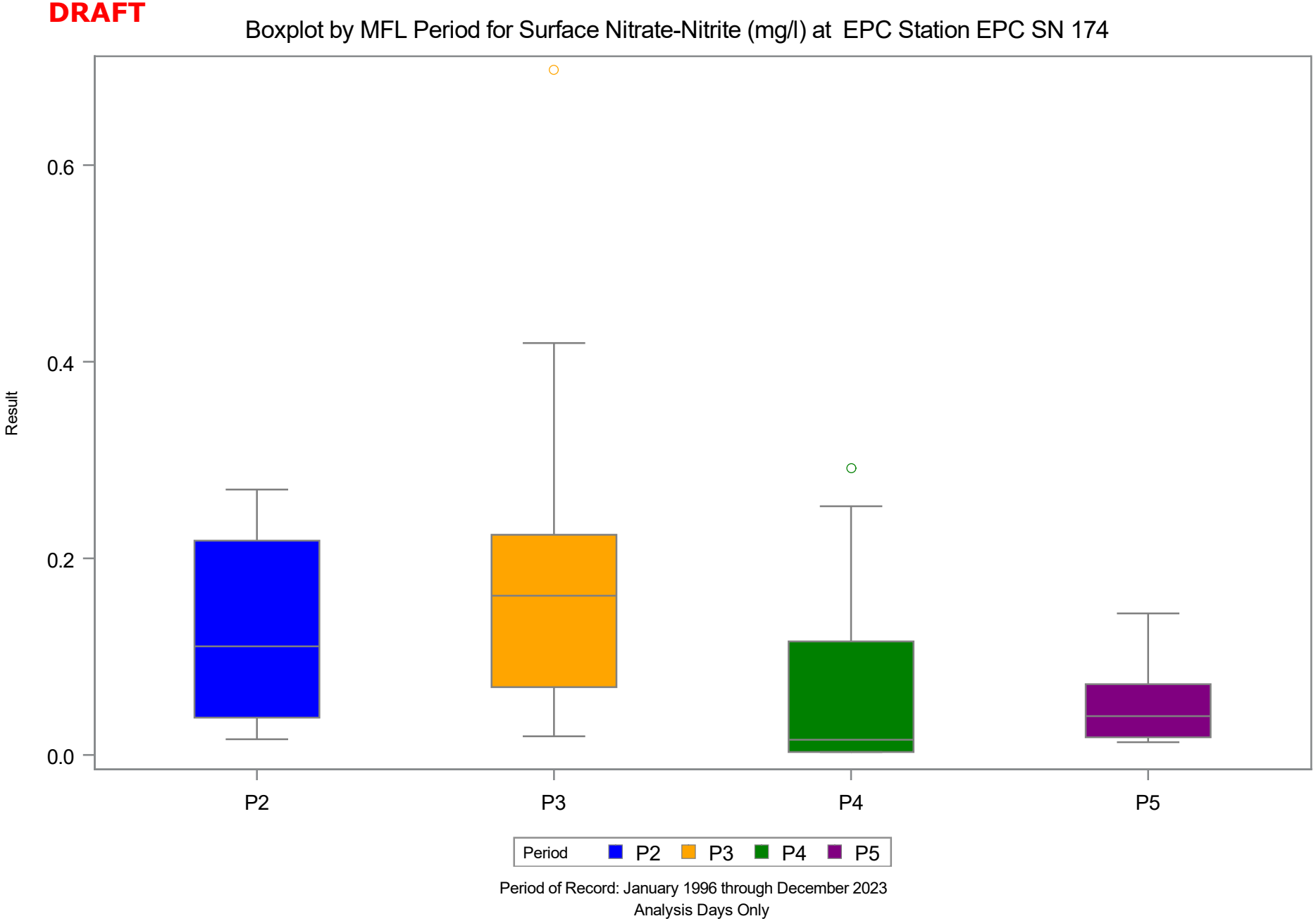
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 174

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	10	0.02	0.04	0.12	0.11	0.22	0.27
P3	26	0.02	0.07	0.19	0.16	0.22	0.70
P4	24	0.00	0.00	0.08	0.02	0.12	0.29
P5	20	0.01	0.02	0.05	0.04	0.07	0.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 174
Result
0.6
0.4
0.2
0.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

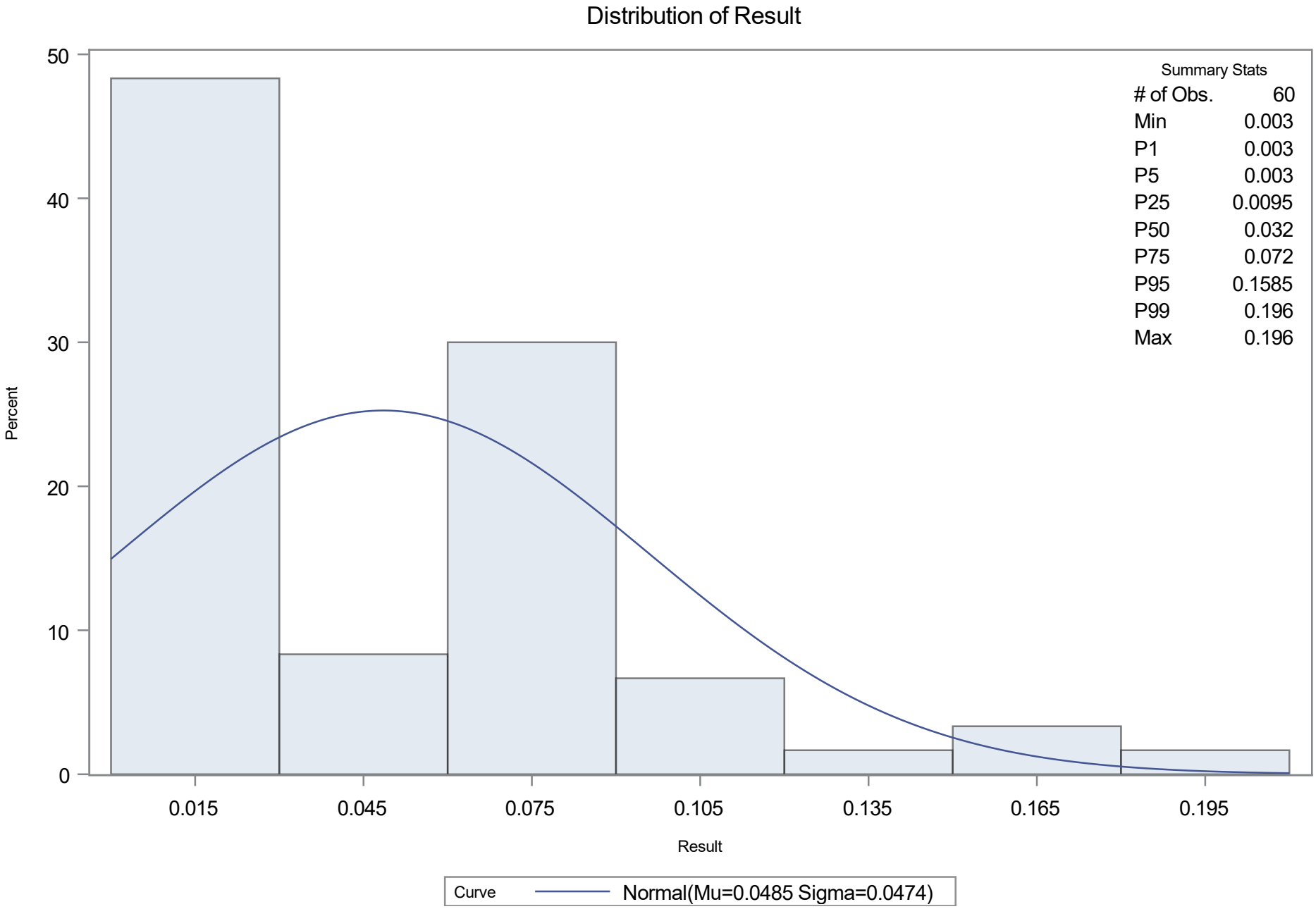
DRAFT

Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 176

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.048517
Std Dev	Sigma	0.047372

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16831644	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.39457728	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.59325101	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.06169
5.0	0.00300	-0.02940
10.0	0.00300	-0.01219
25.0	0.00950	0.01656
50.0	0.03200	0.04852
75.0	0.07200	0.08047
90.0	0.10650	0.10923
95.0	0.15850	0.12644
99.0	0.19600	0.15872

Period of Record: January 1996 through December 2023
Analysis Days Only

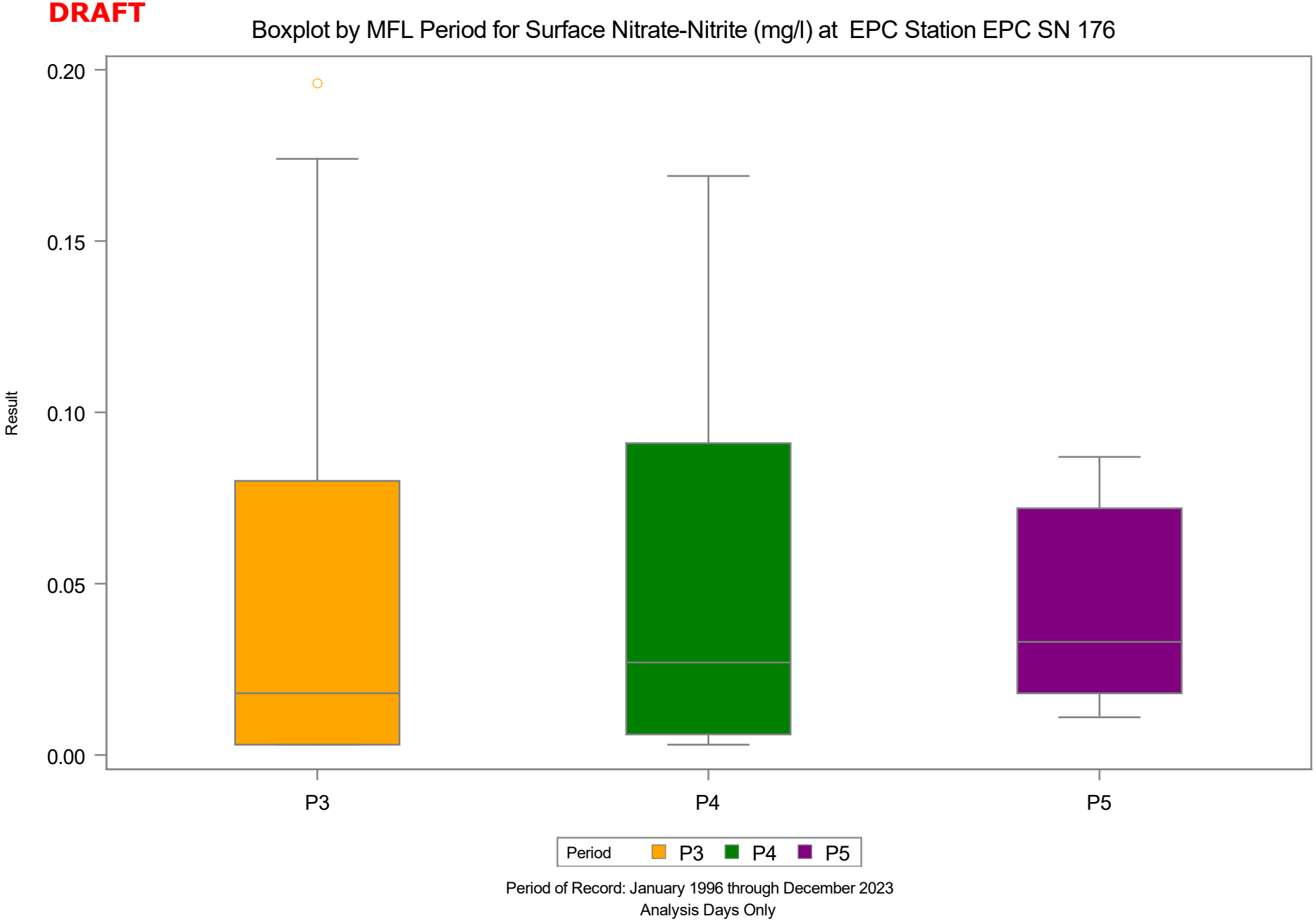
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 176

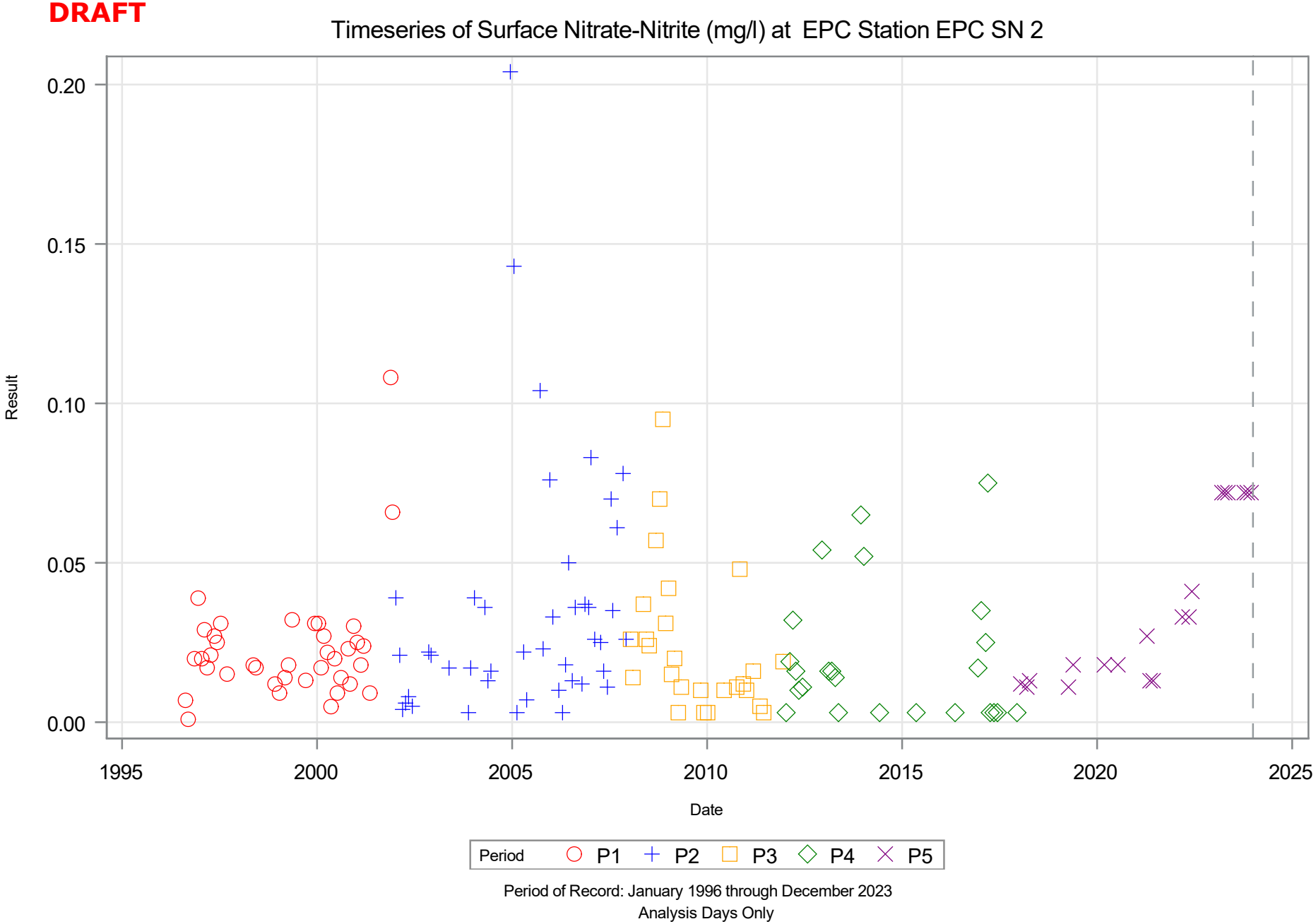
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	0.00	0.00	0.05	0.02	0.08	0.20
P4	23	0.00	0.01	0.05	0.03	0.09	0.17
P5	20	0.01	0.02	0.04	0.03	0.07	0.09

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

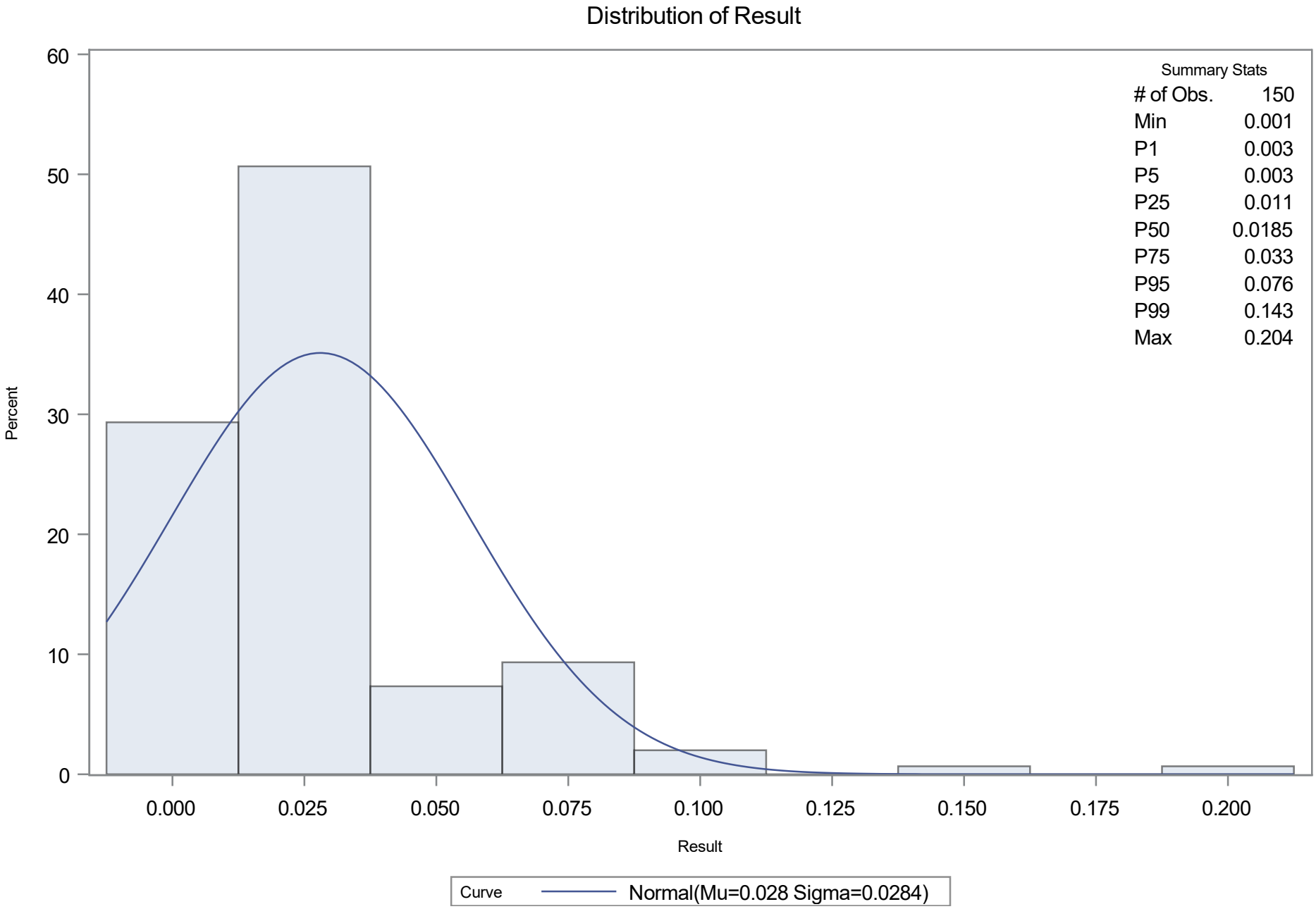

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 176
Result
0.20
0.15
0.10
0.05
0.00
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 2
Result
0.20
0.15
0.10
0.05
0.00
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.028013
Std Dev	Sigma	0.028403

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1942301	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.8931912	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.1924629	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.03806
5.0	0.00300	-0.01871
10.0	0.00300	-0.00839
25.0	0.01100	0.00886
50.0	0.01850	0.02801
75.0	0.03300	0.04717
90.0	0.07100	0.06441
95.0	0.07600	0.07473
99.0	0.14300	0.09409

Period of Record: January 1996 through December 2023
Analysis Days Only

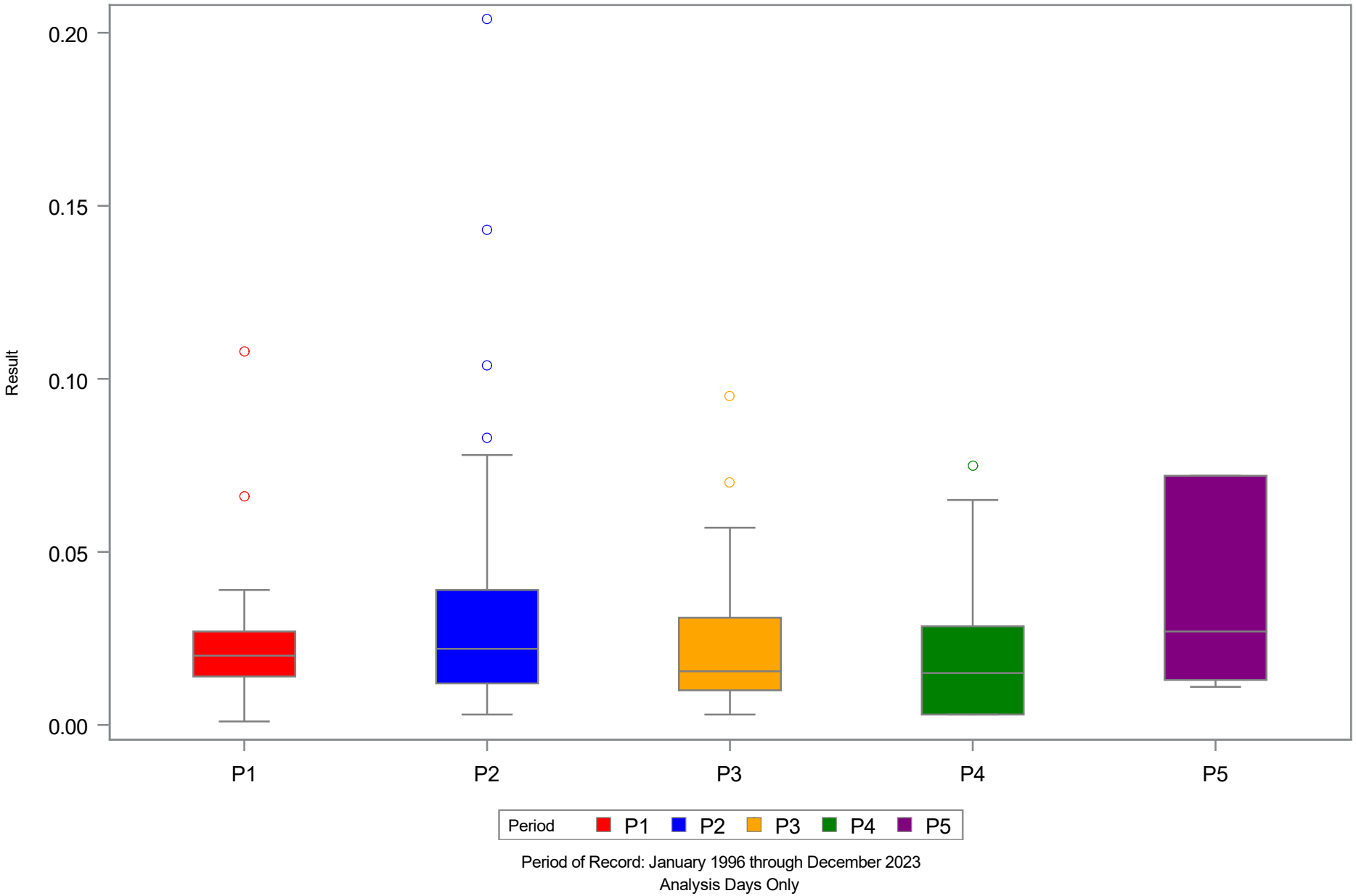
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 2

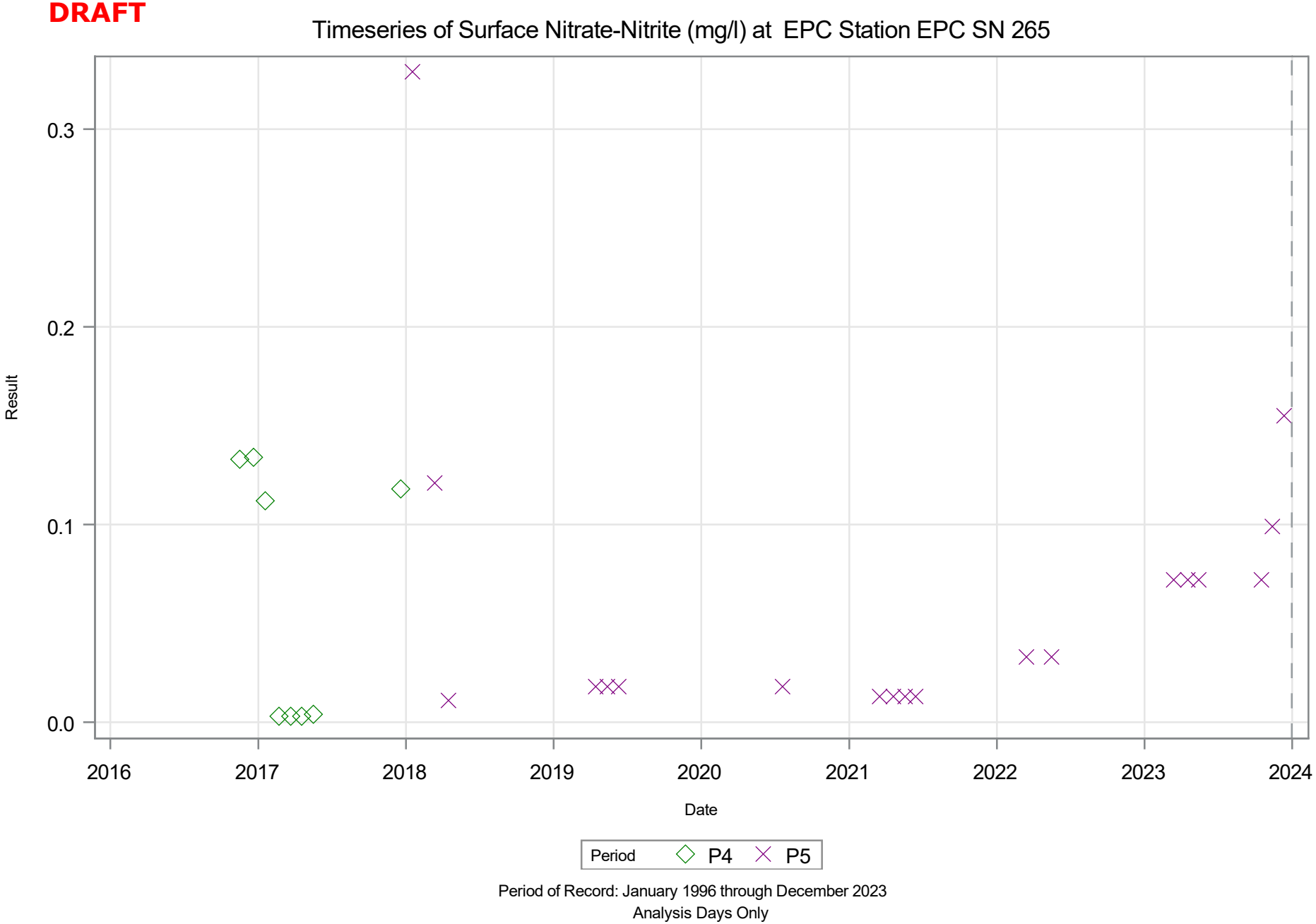
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	38	0.00	0.01	0.02	0.02	0.03	0.11
P2	43	0.00	0.01	0.04	0.02	0.04	0.20
P3	26	0.00	0.01	0.02	0.02	0.03	0.10
P4	24	0.00	0.00	0.02	0.02	0.03	0.08
P5	19	0.01	0.01	0.04	0.03	0.07	0.07

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

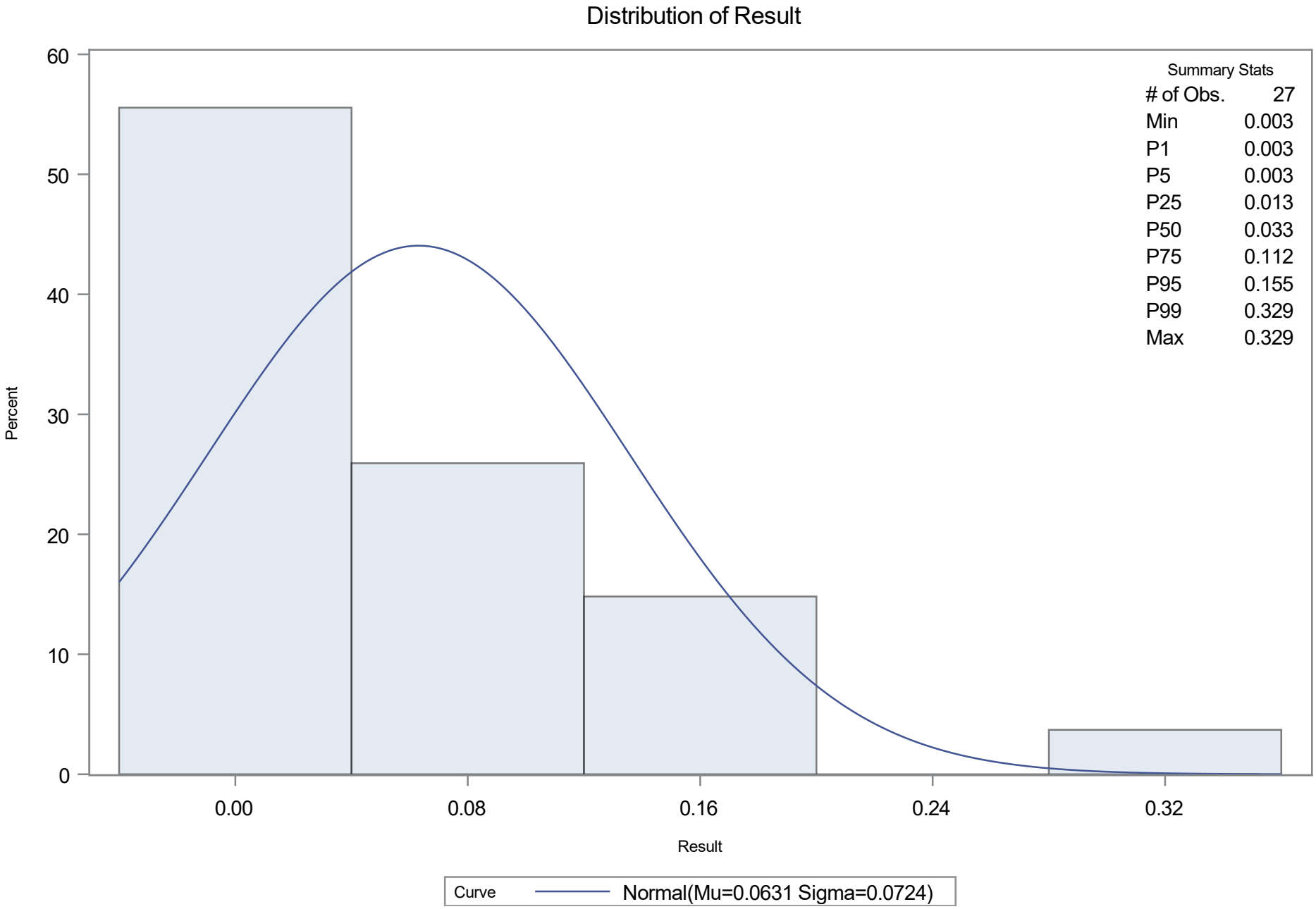

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 2
Result
0.20
0.15
0.10
0.05
0.00
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 265
Result
0.0
0.1
0.2
0.3
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.063074
Std Dev	Sigma	0.072445

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21653174	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.28643016	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.79461132	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.10546
5.0	0.00300	-0.05609
10.0	0.00300	-0.02977
25.0	0.01300	0.01421
50.0	0.03300	0.06307
75.0	0.11200	0.11194
90.0	0.13400	0.15592
95.0	0.15500	0.18224
99.0	0.32900	0.23161

Period of Record: January 1996 through December 2023
Analysis Days Only

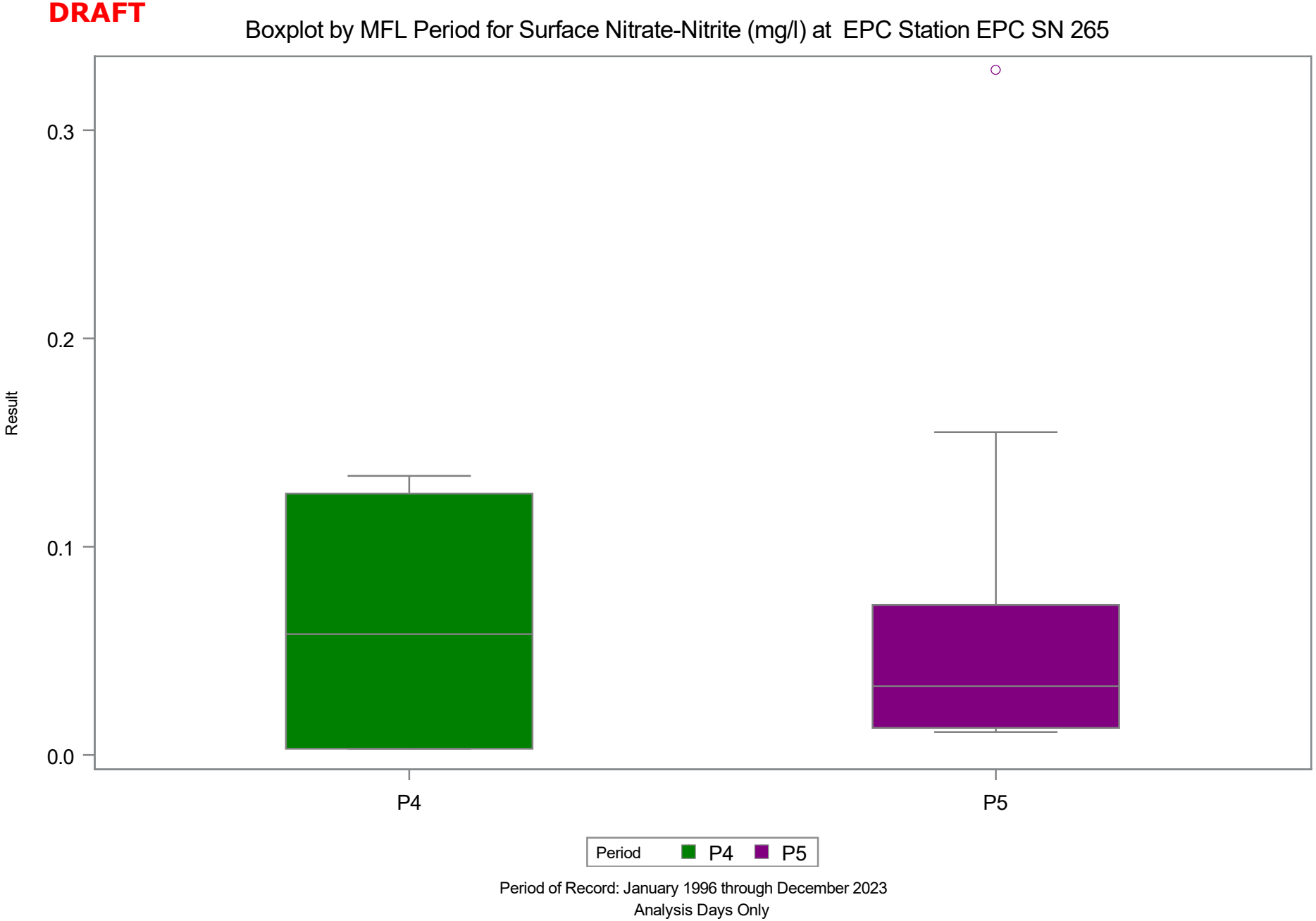
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 265

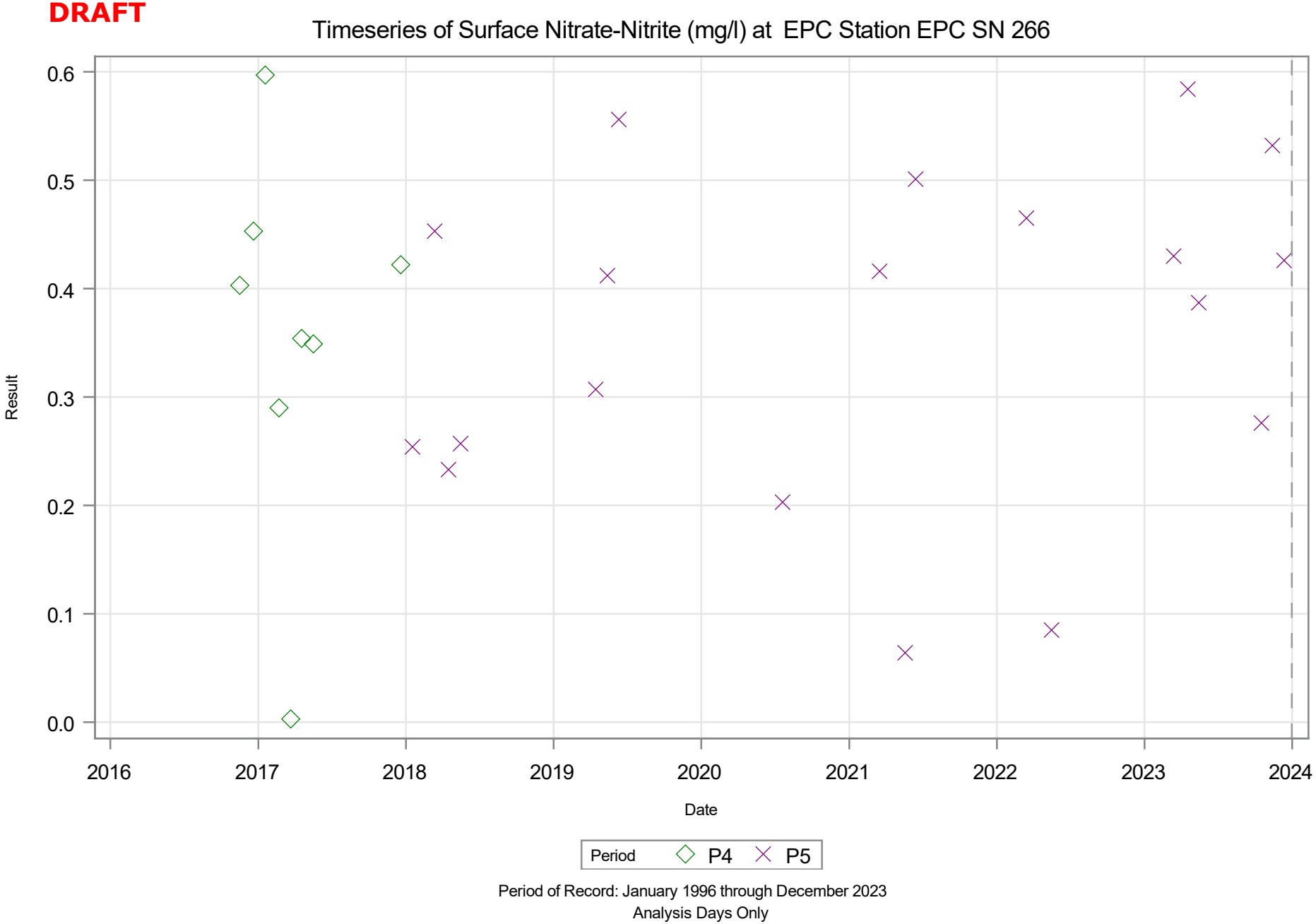
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.00	0.00	0.06	0.06	0.13	0.13
P5	19	0.01	0.01	0.06	0.03	0.07	0.33

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

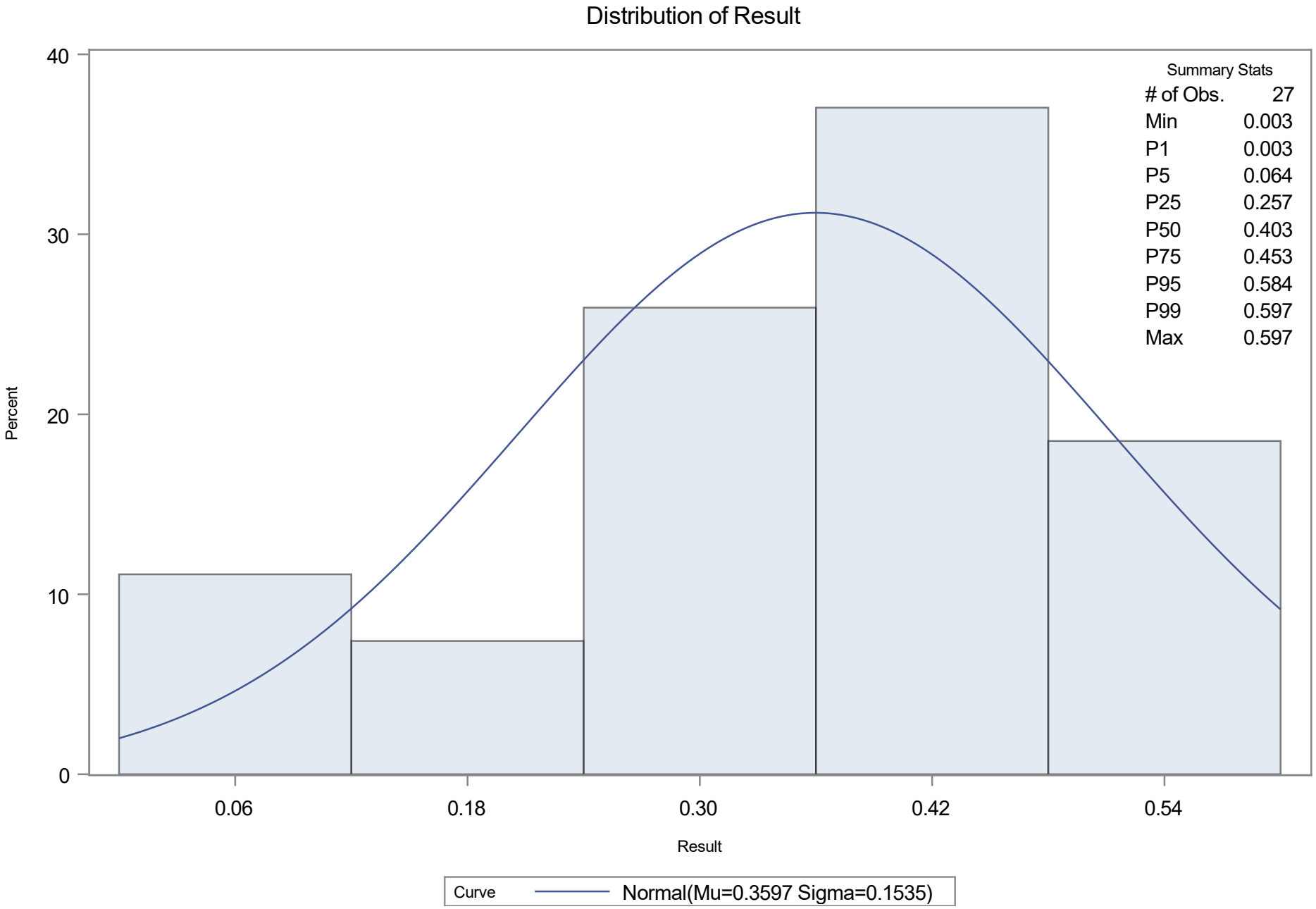

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 265
Result
0.3
0.2
0.1
0.0
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 266
Result
0.6
0.5
0.4
0.3
0.2
0.1
0.0
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.359704
Std Dev	Sigma	0.15346

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12959814	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06758231	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.42780909	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	0.00270
5.0	0.06400	0.10728
10.0	0.08500	0.16304
25.0	0.25700	0.25620
50.0	0.40300	0.35970
75.0	0.45300	0.46321
90.0	0.55600	0.55637
95.0	0.58400	0.61212
99.0	0.59700	0.71671

Period of Record: January 1996 through December 2023
Analysis Days Only

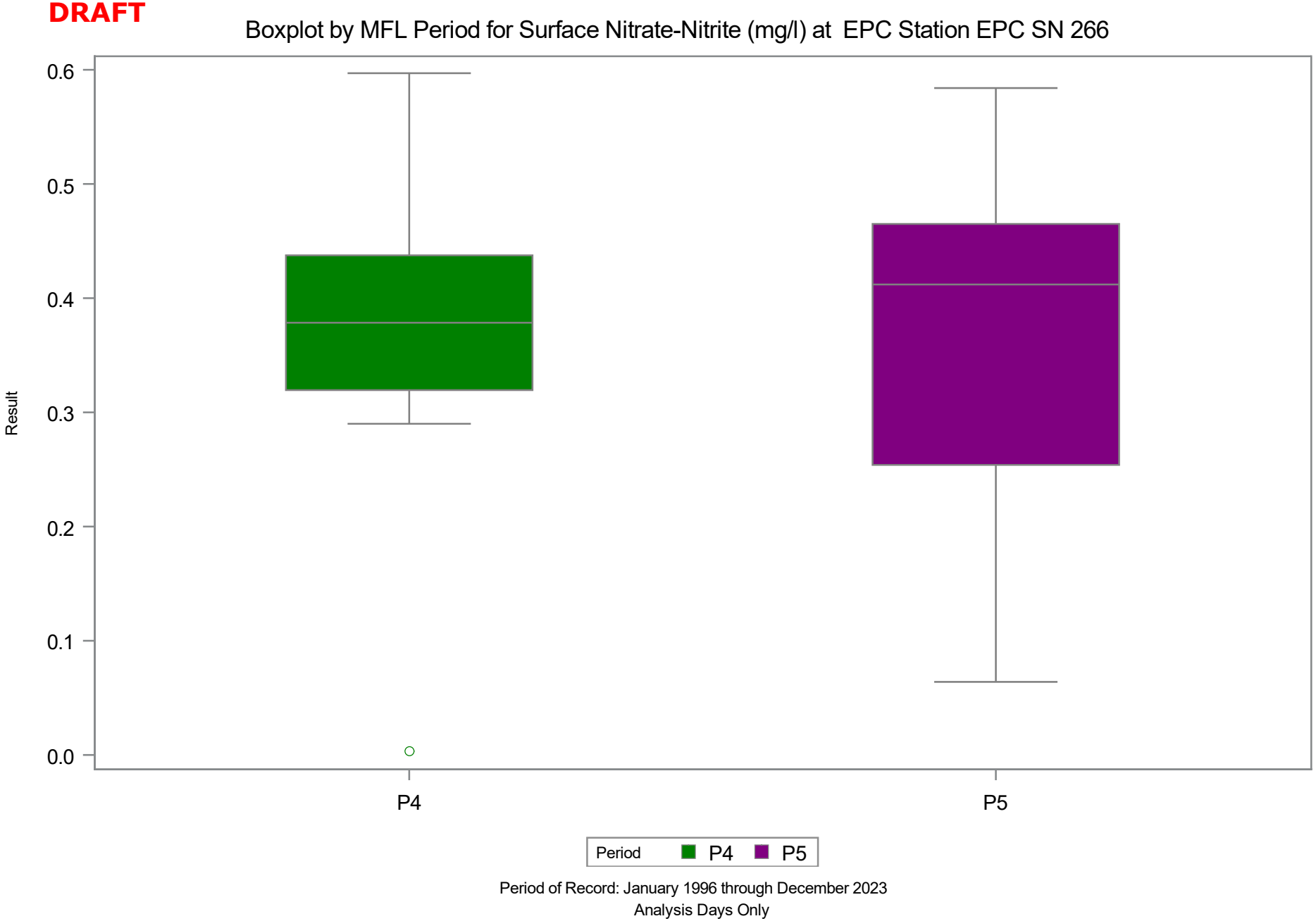
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 266

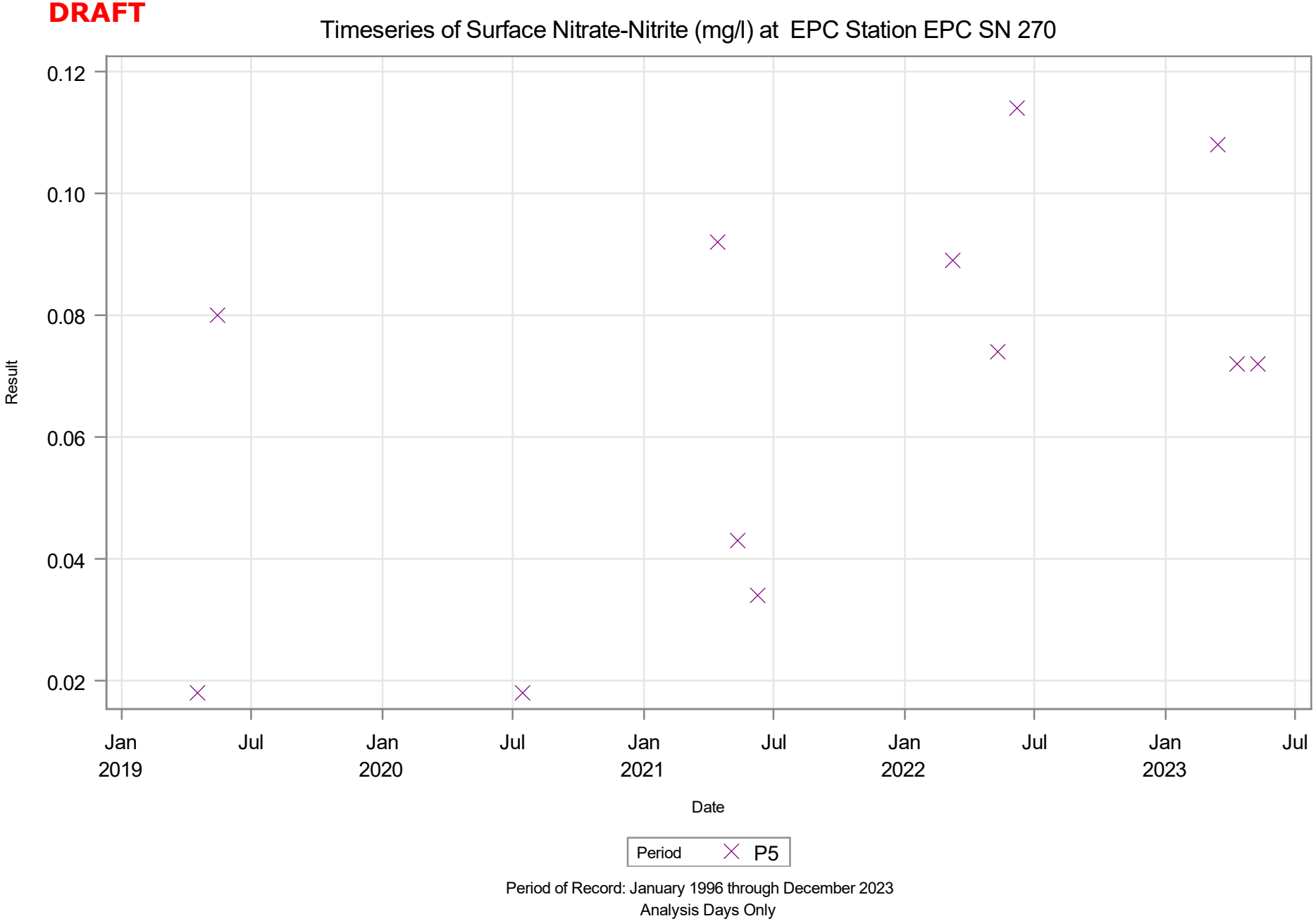
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.00	0.32	0.36	0.38	0.44	0.60
P5	19	0.06	0.25	0.36	0.41	0.47	0.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

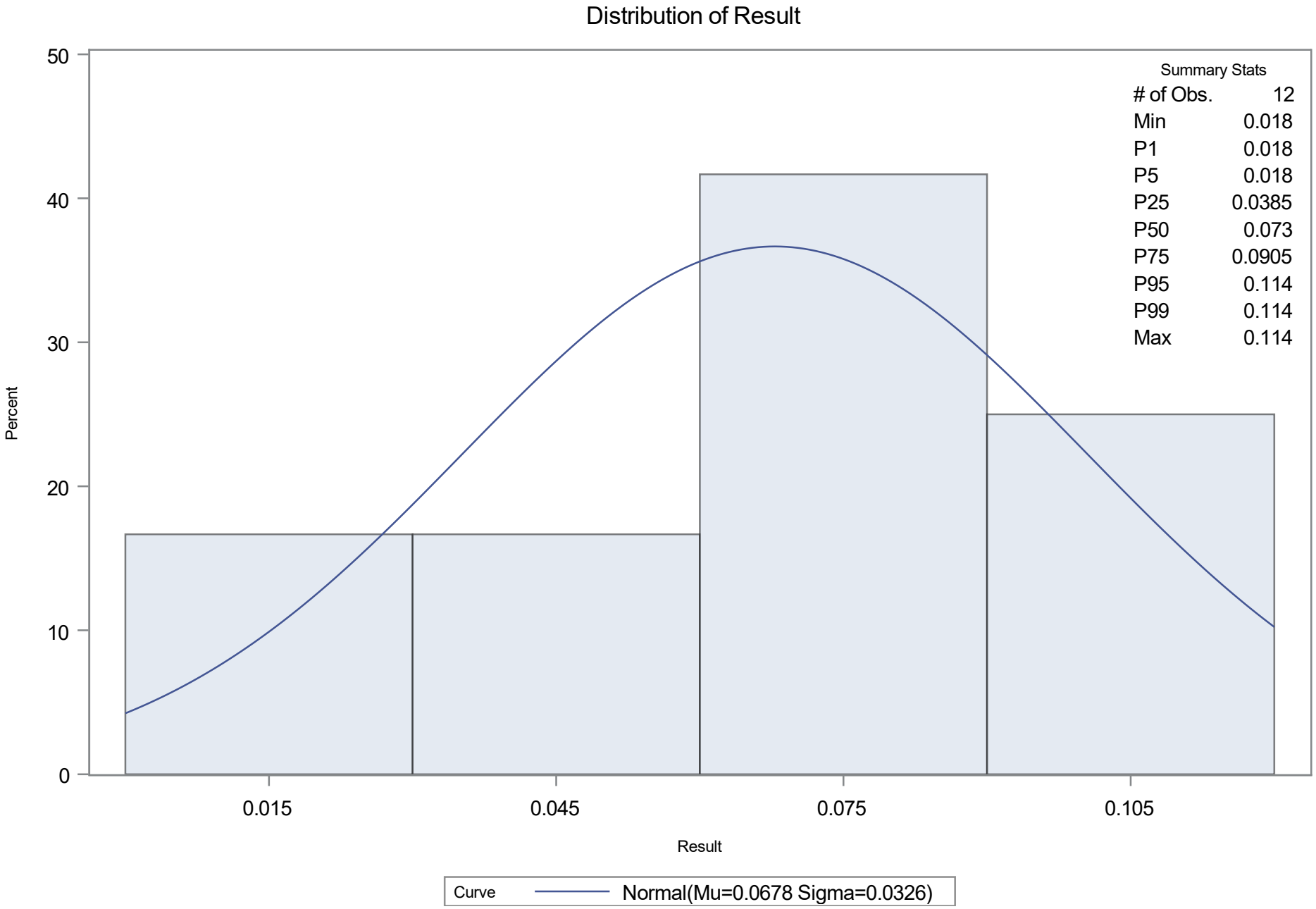

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 266
Result
0.6
0.5
0.4
0.3
0.2
0.1
0.0
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 270
Result
0.12
0.10
0.08
0.06
0.04
0.02
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.067833
Std Dev	Sigma	0.032649

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21744153	**Pr > D**	0.117
Cramer-von Mises	**W-Sq**	0.06339296	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37359319	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01800	-0.00812
5.0	0.01800	0.01413
10.0	0.01800	0.02599
25.0	0.03850	0.04581
50.0	0.07300	0.06783
75.0	0.09050	0.08985
90.0	0.10800	0.10967
95.0	0.11400	0.12154
99.0	0.11400	0.14379

Period of Record: January 1996 through December 2023
Analysis Days Only

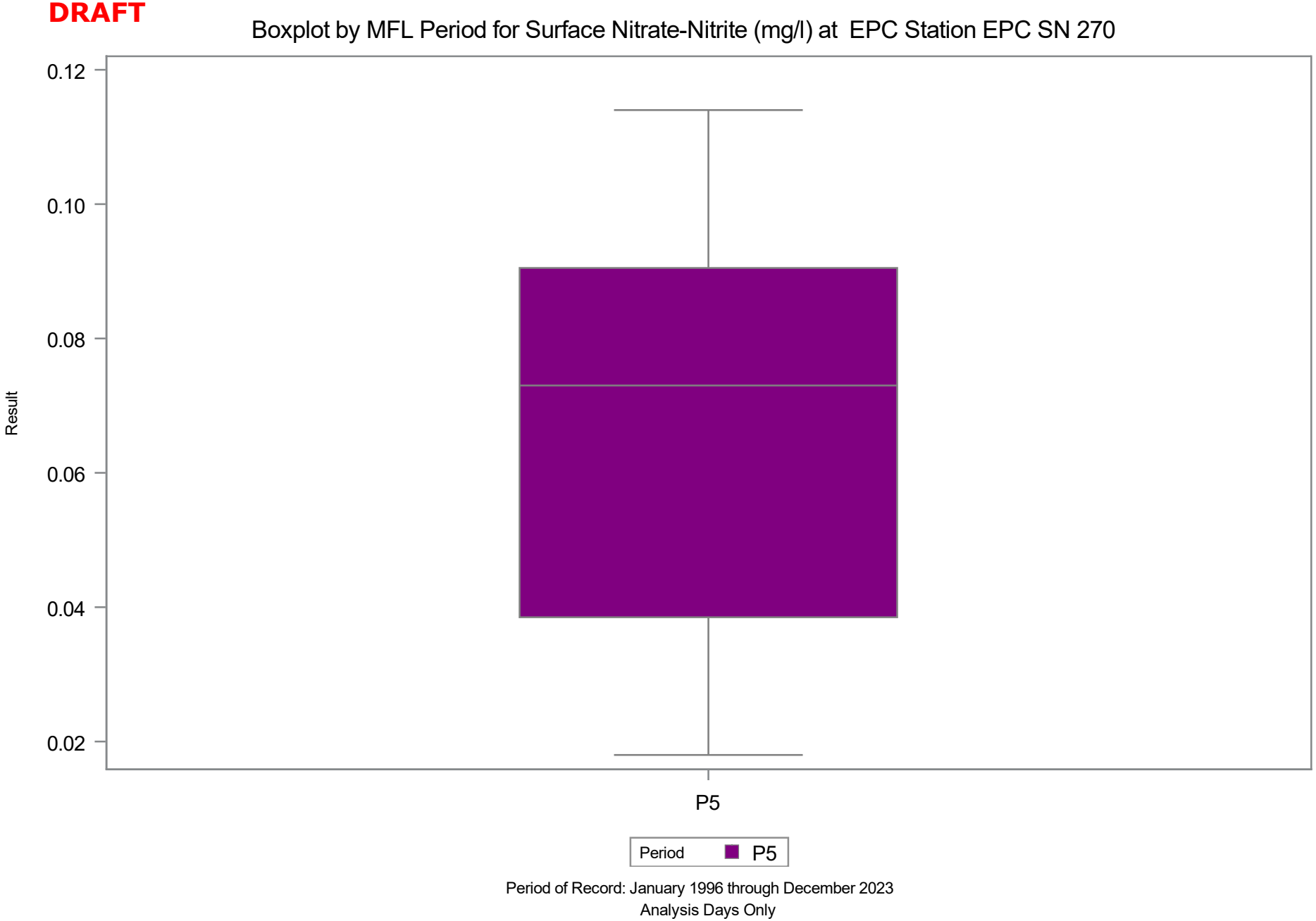
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 270

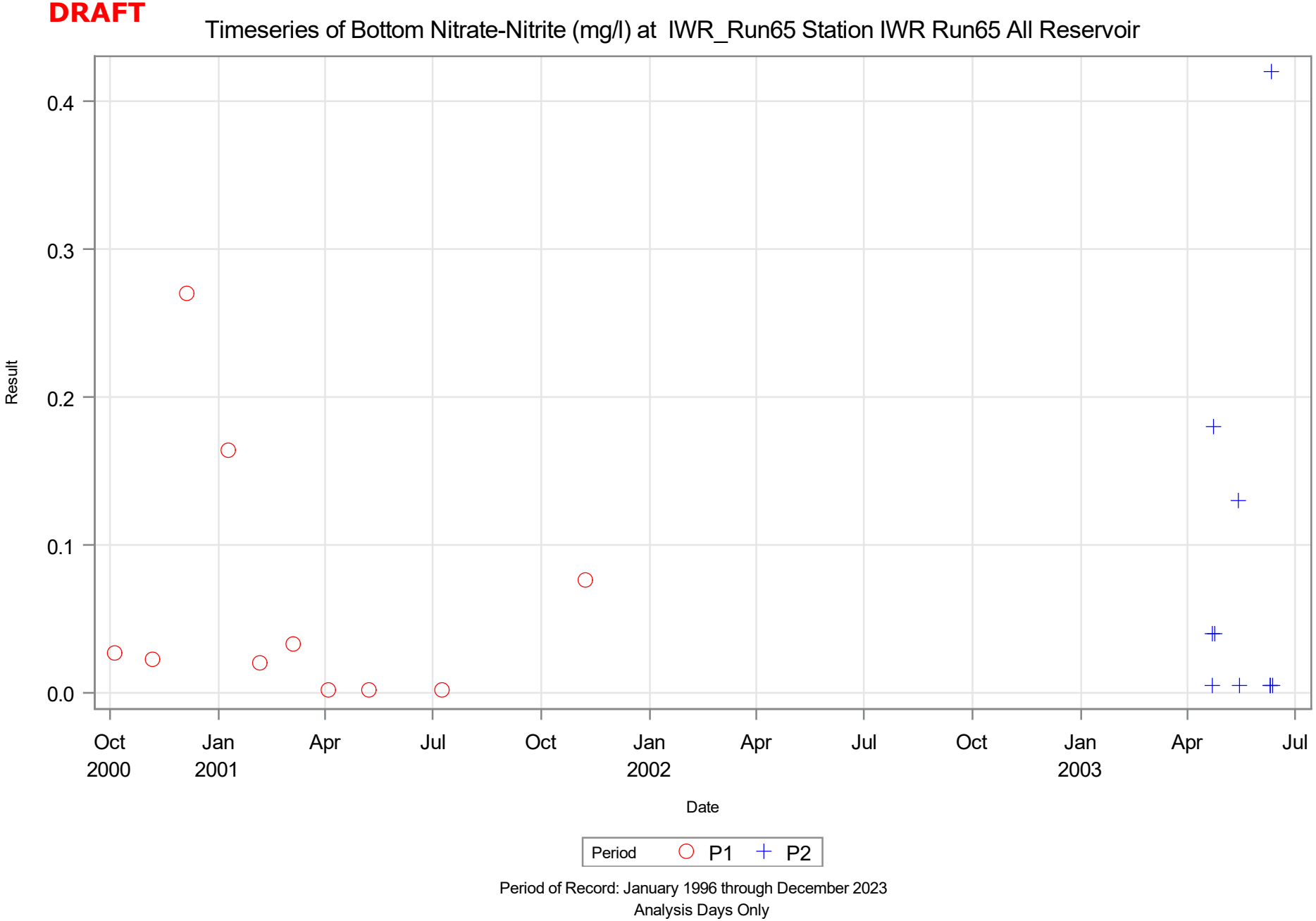
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	12	0.02	0.04	0.07	0.07	0.09	0.11

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

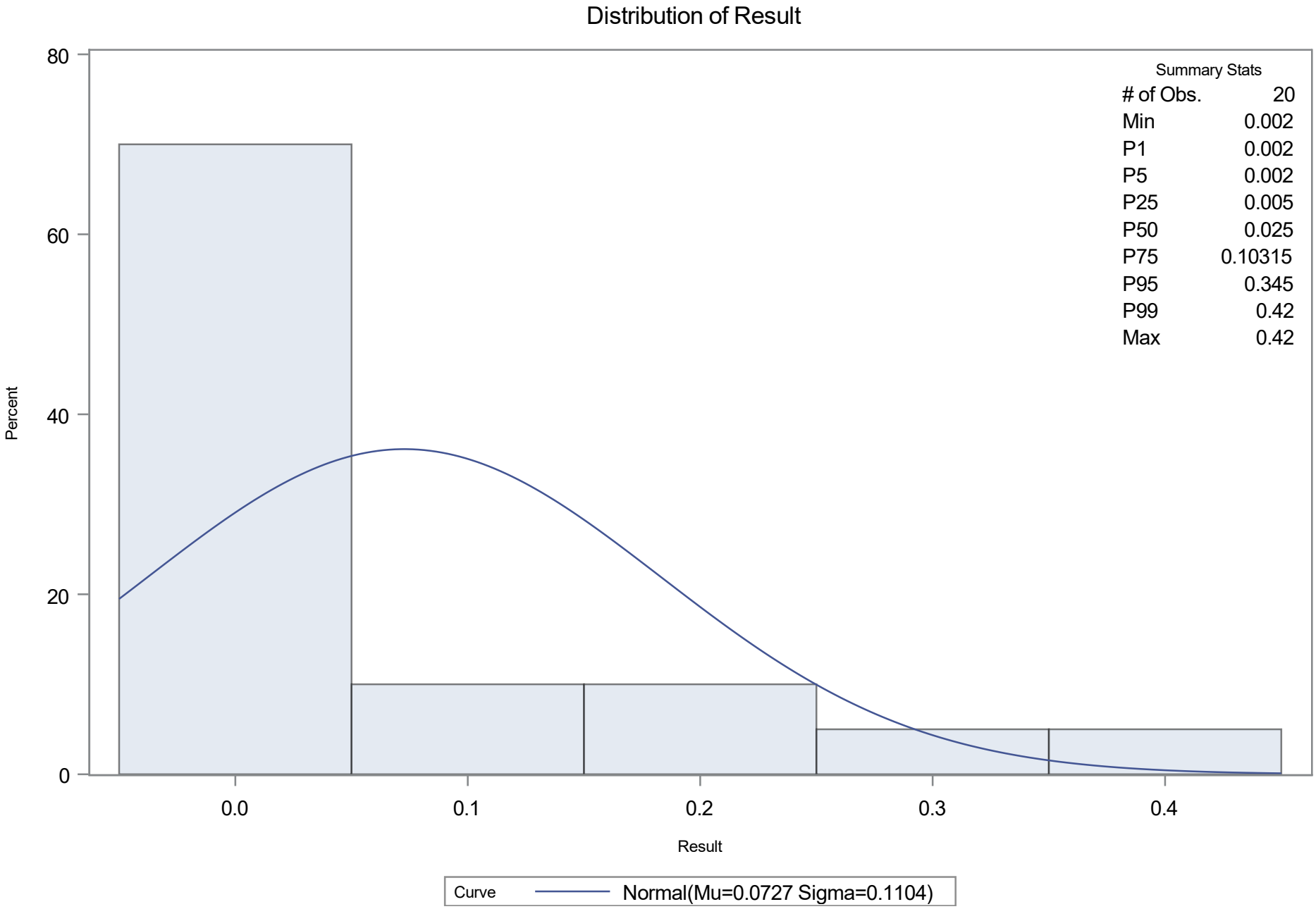

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at EPC Station EPC SN 270
0.12
0.10
0.08
0.06
0.04
0.02
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.072715
Std Dev	Sigma	0.110418

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31649268	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.45147559	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.39142807	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00200	-0.18416
5.0	0.00200	-0.10891
10.0	0.00200	-0.06879
25.0	0.00500	-0.00176
50.0	0.02500	0.07271
75.0	0.10315	0.14719
90.0	0.22500	0.21422
95.0	0.34500	0.25434
99.0	0.42000	0.32959

Period of Record: January 1996 through December 2023
Analysis Days Only

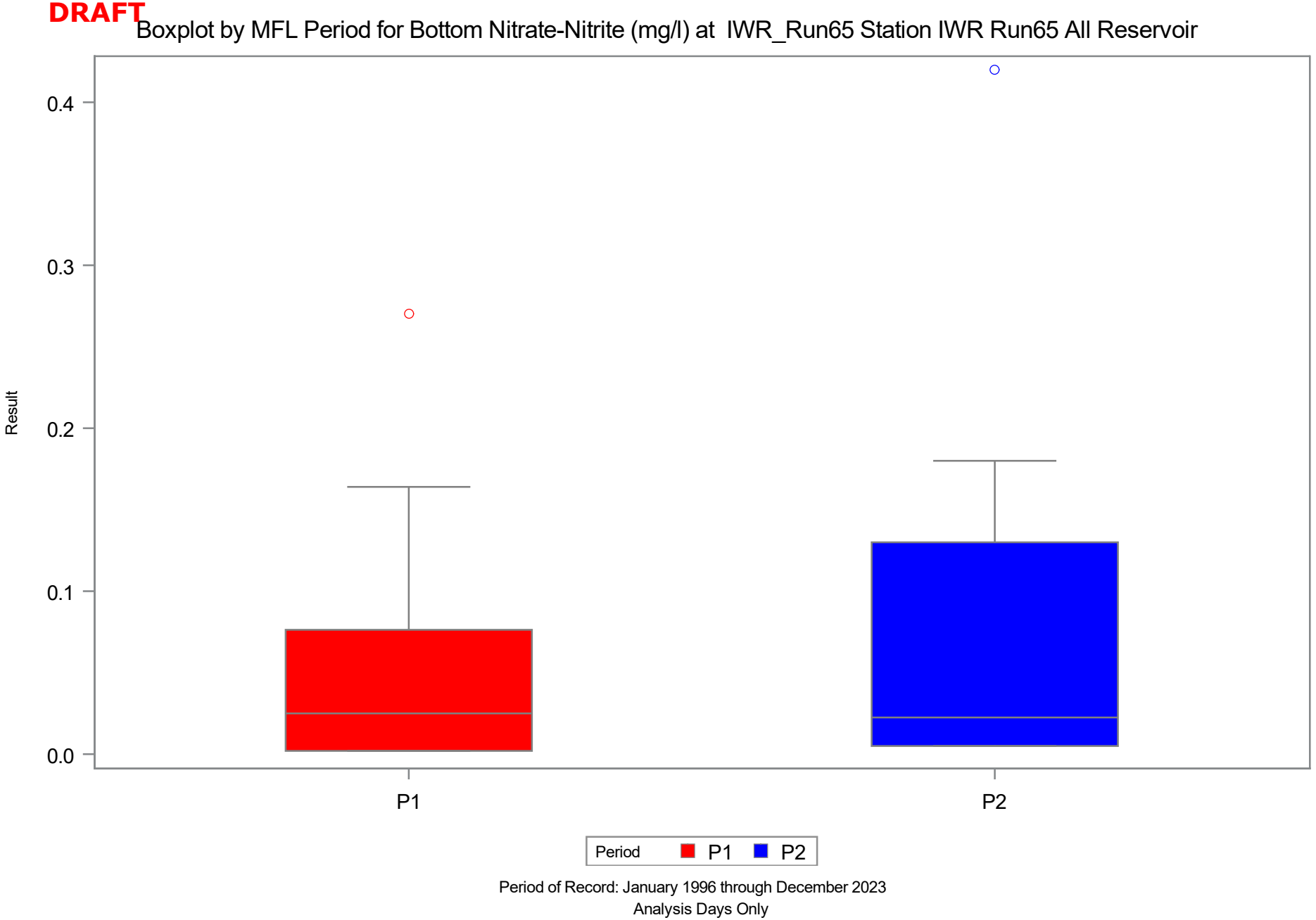
DRAFT

Distributional Statistics by Period for Bottom Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

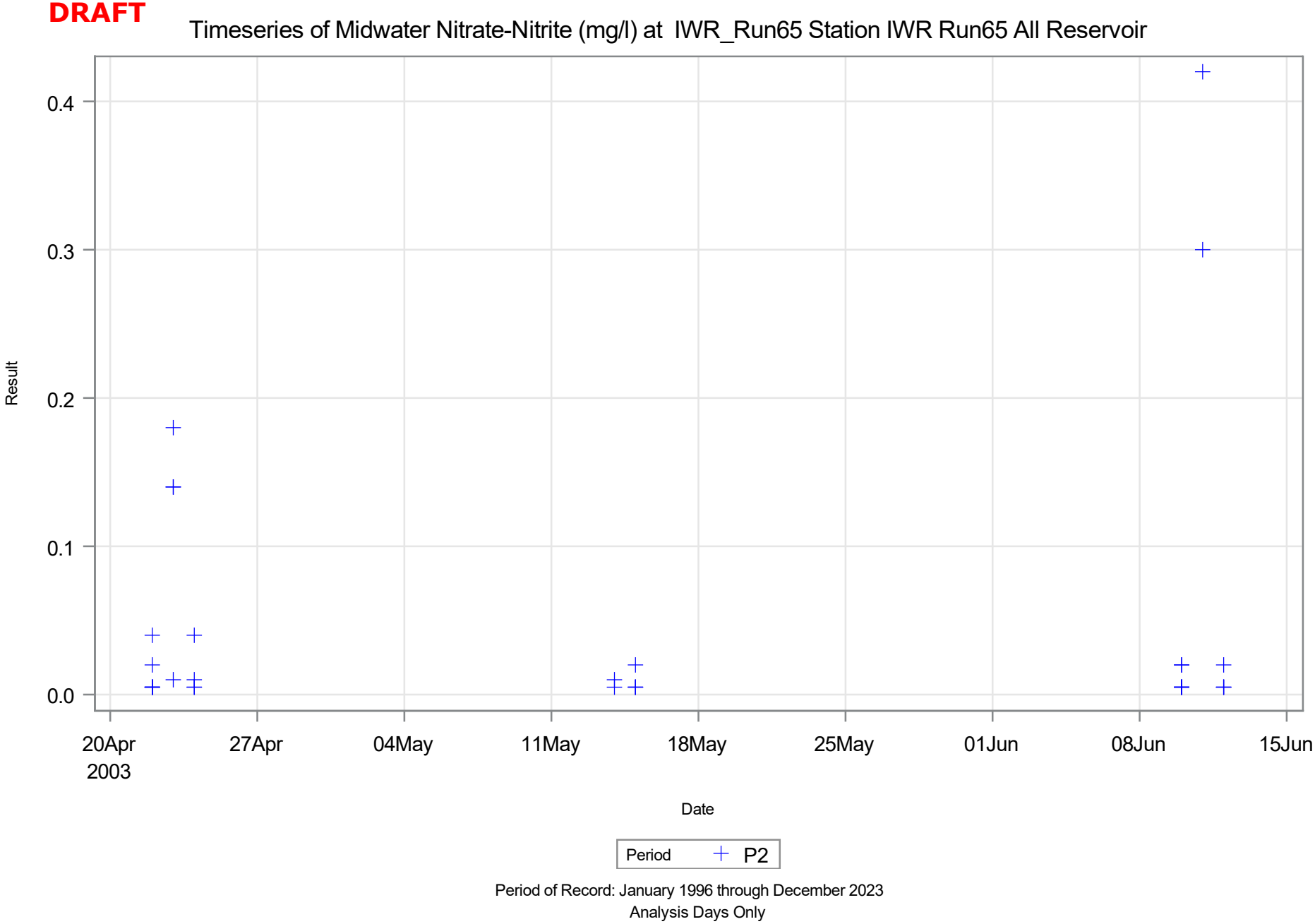
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	10	0.00	0.00	0.06	0.03	0.08	0.27
P2	10	0.01	0.01	0.08	0.02	0.13	0.42

Period of Record: January 1996 through December 2023
Analysis Days Only

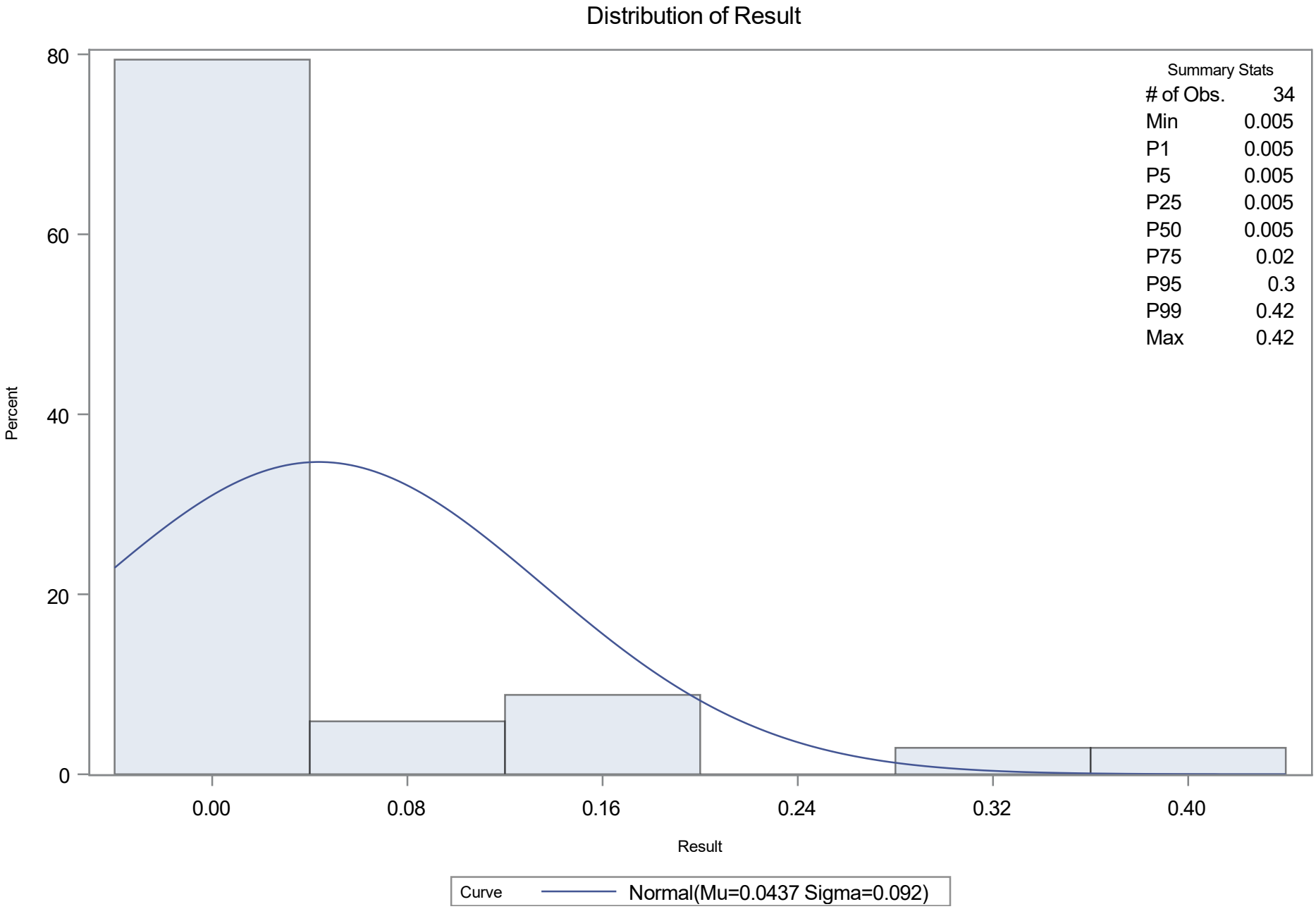
DRAFT


Boxplot by MFL Period for Bottom Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.4
0.3
0.2
0.1
0.0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.4
0.3
0.2
0.1
0.0
20Apr
2003
27Apr
04May
11May
18May
25May
01Jun
08Jun
15Jun
Date
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.043676
Std Dev	Sigma	0.091968

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.39569945	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.50435745	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.32261252	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00500	-0.17027
5.0	0.00500	-0.10760
10.0	0.00500	-0.07418
25.0	0.00500	-0.01835
50.0	0.00500	0.04368
75.0	0.02000	0.10571
90.0	0.14000	0.16154
95.0	0.30000	0.19495
99.0	0.42000	0.25763

Period of Record: January 1996 through December 2023
Analysis Days Only

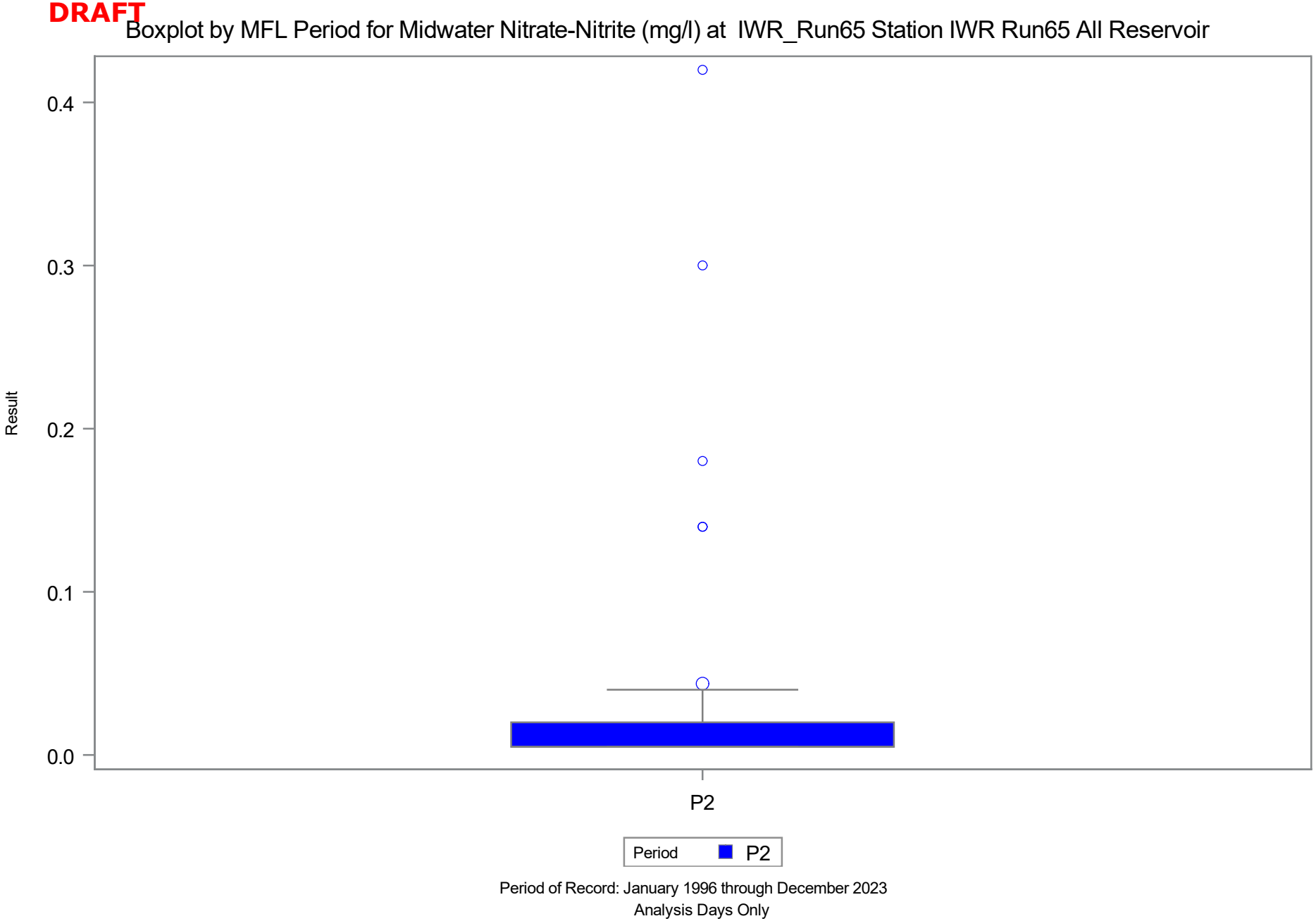
DRAFT

Distributional Statistics by Period for Midwater Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

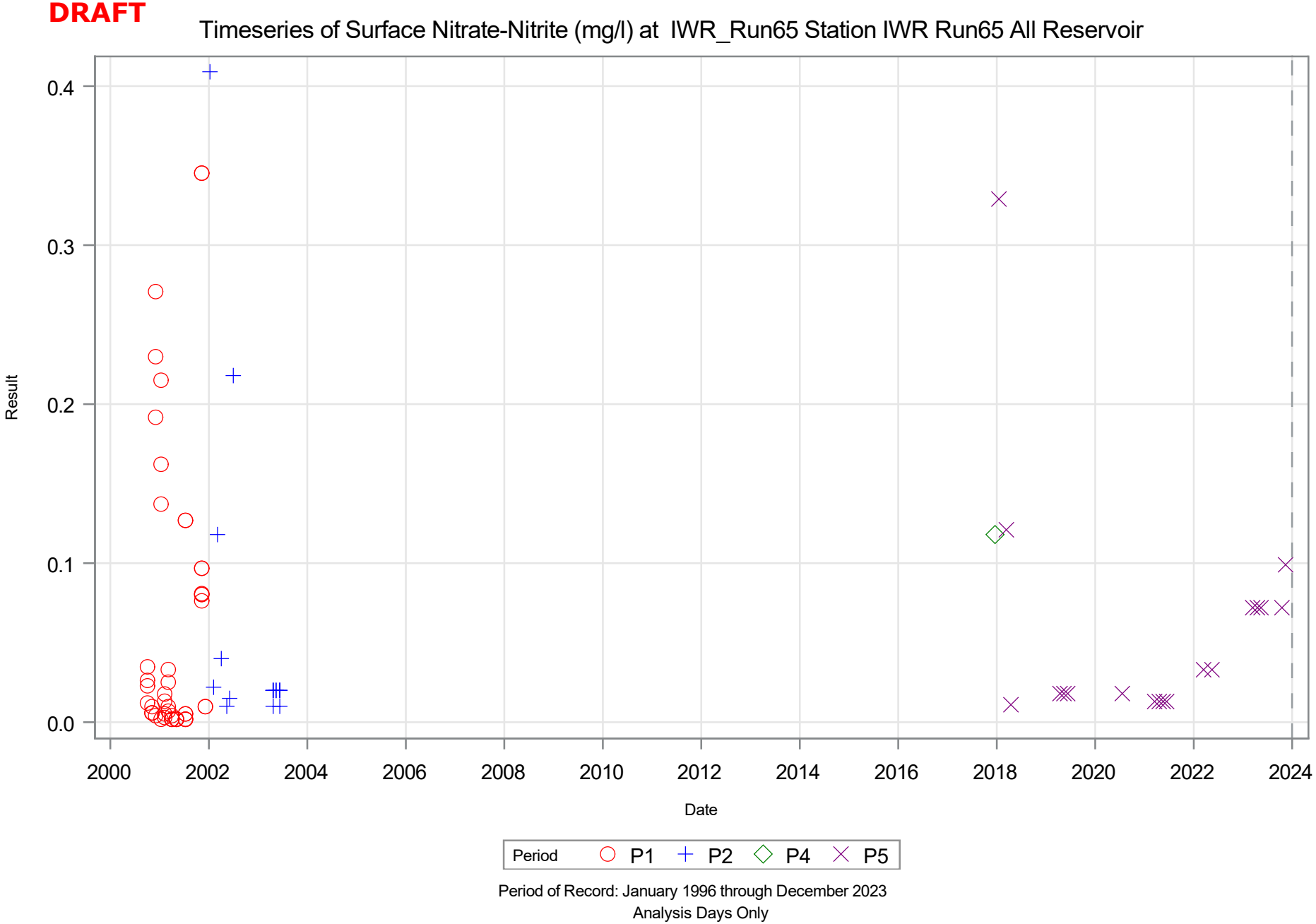
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	34	0.01	0.01	0.04	0.01	0.02	0.42

Period of Record: January 1996 through December 2023
Analysis Days Only

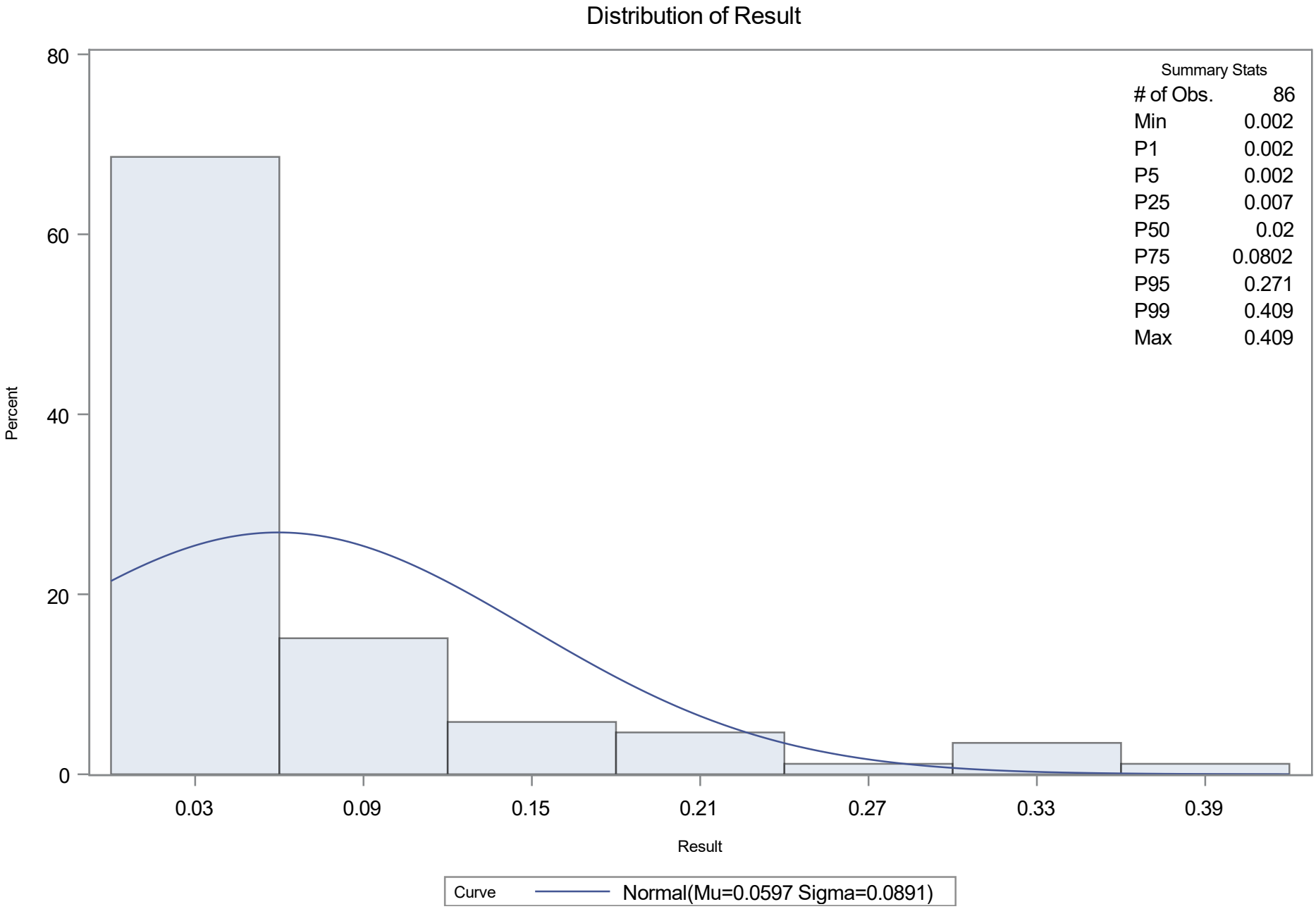
DRAFT


Boxplot by MFL Period for Midwater Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.4
0.3
0.2
0.1
0.0
P2
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.0
0.1
0.2
0.3
0.4
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.059652
Std Dev	Sigma	0.089076

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2834353	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.9612455	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.4661676	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00200	-0.14757
5.0	0.00200	-0.08686
10.0	0.00200	-0.05450
25.0	0.00700	-0.00043
50.0	0.02000	0.05965
75.0	0.08020	0.11973
90.0	0.19200	0.17381
95.0	0.27100	0.20617
99.0	0.40900	0.26687

Period of Record: January 1996 through December 2023
Analysis Days Only

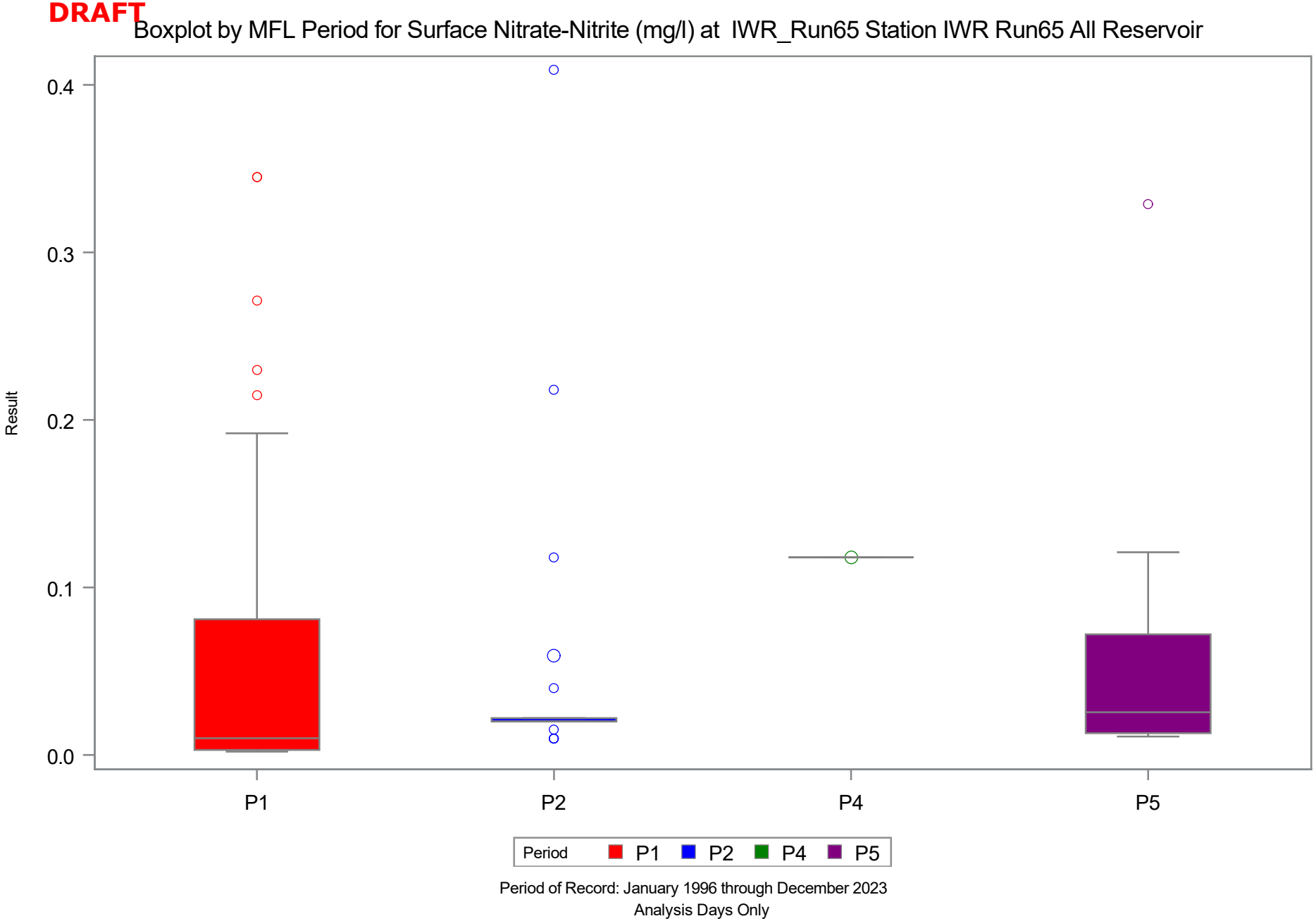
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

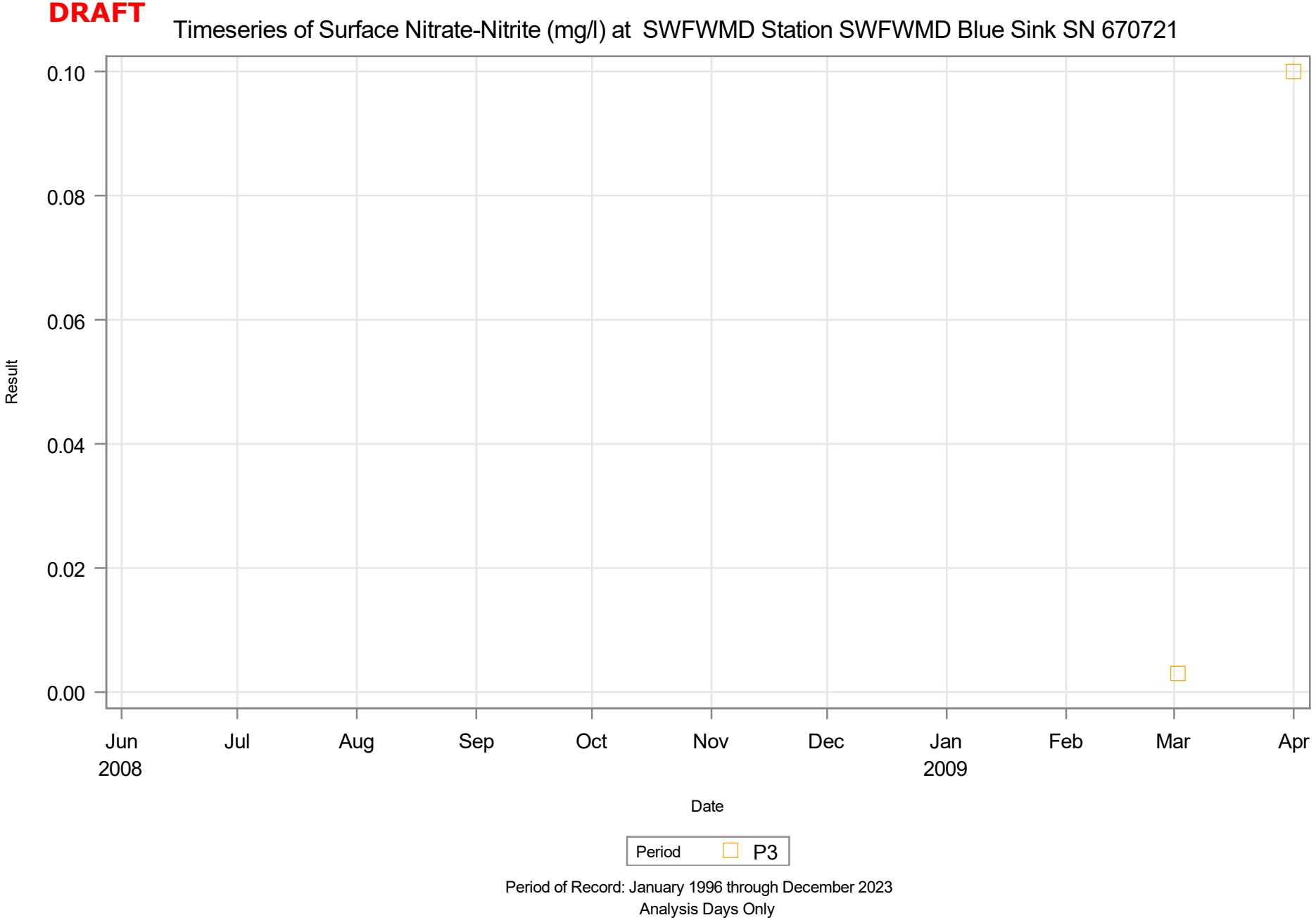
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	50	0.00	0.00	0.06	0.01	0.08	0.35
P2	17	0.01	0.02	0.06	0.02	0.02	0.41
P4	1	0.12	0.12	0.12	0.12	0.12	0.12
P5	18	0.01	0.01	0.06	0.03	0.07	0.33

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

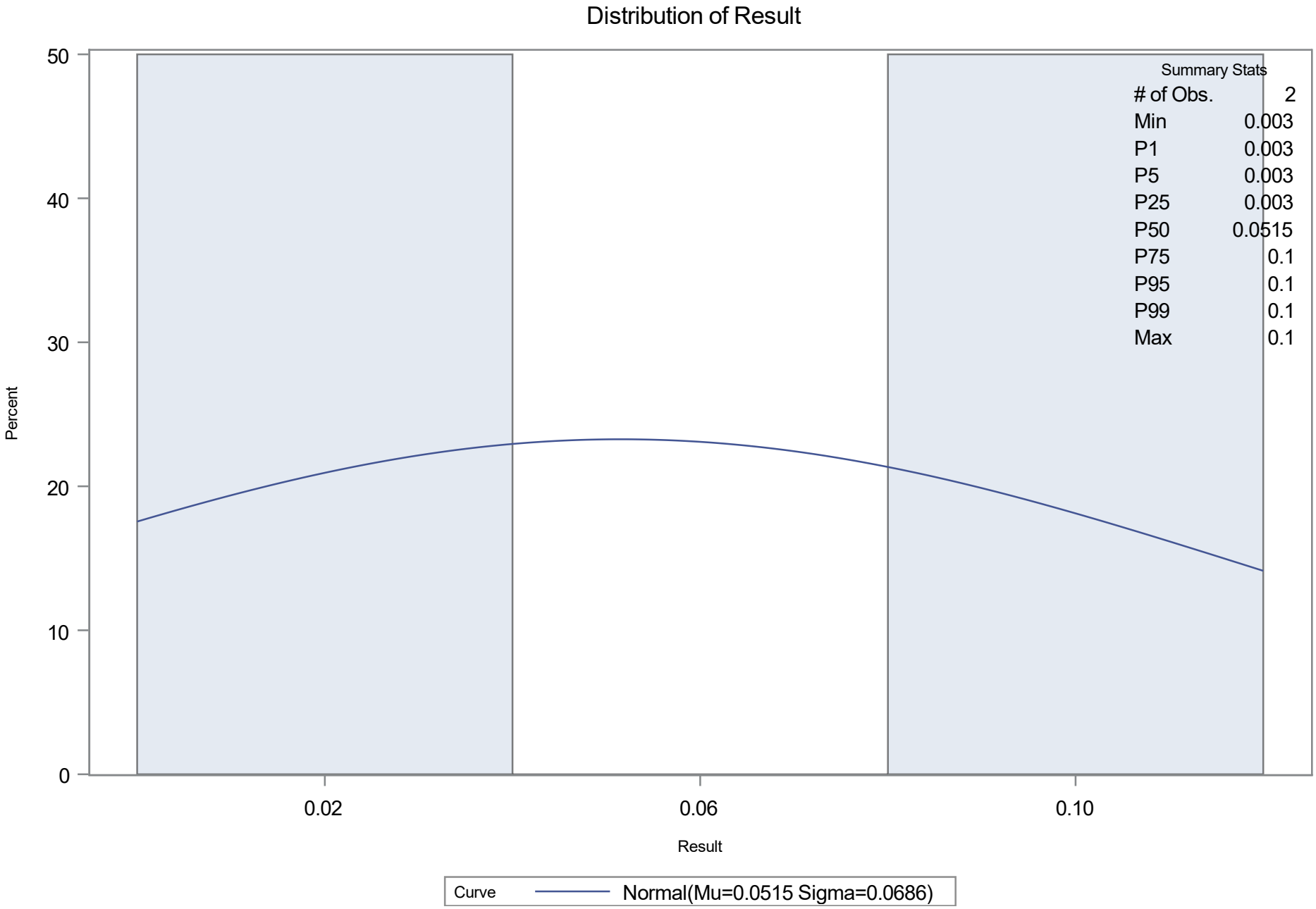

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.4
0.3
0.2
0.1
0.0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721
Result
0.10
0.08
0.06
0.04
0.02
0.00
Jun
2008
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2009
Feb
Mar
Apr
Date
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.0515
Std Dev	Sigma	0.068589

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.10806
5.0	0.00300	-0.06132
10.0	0.00300	-0.03640
25.0	0.00300	0.00524
50.0	0.05150	0.05150
75.0	0.10000	0.09776
90.0	0.10000	0.13940
95.0	0.10000	0.16432
99.0	0.10000	0.21106

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

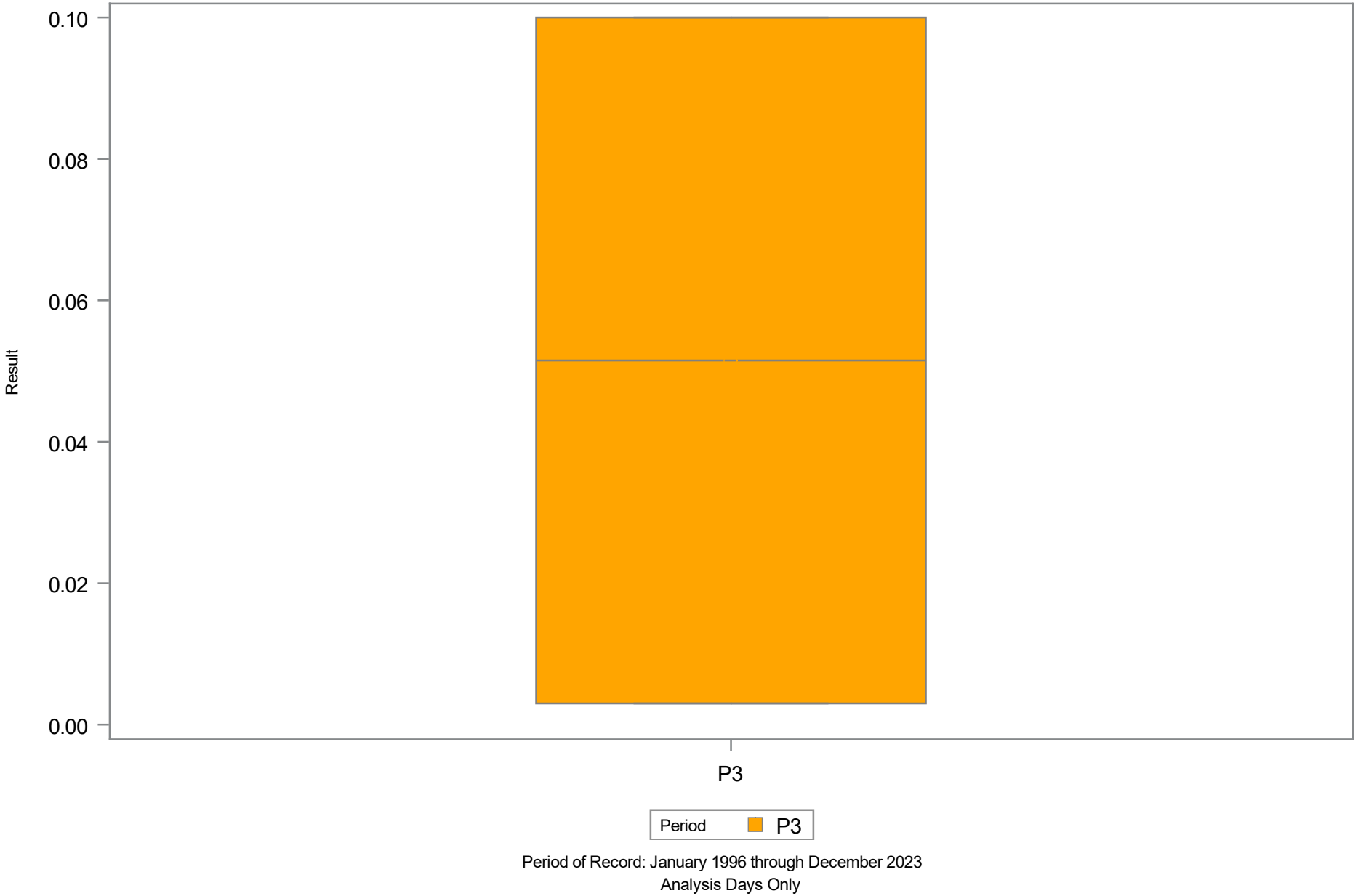
Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	2	0.00	0.00	0.05	0.05	0.10	0.10

Period of Record: January 1996 through December 2023
Analysis Days Only

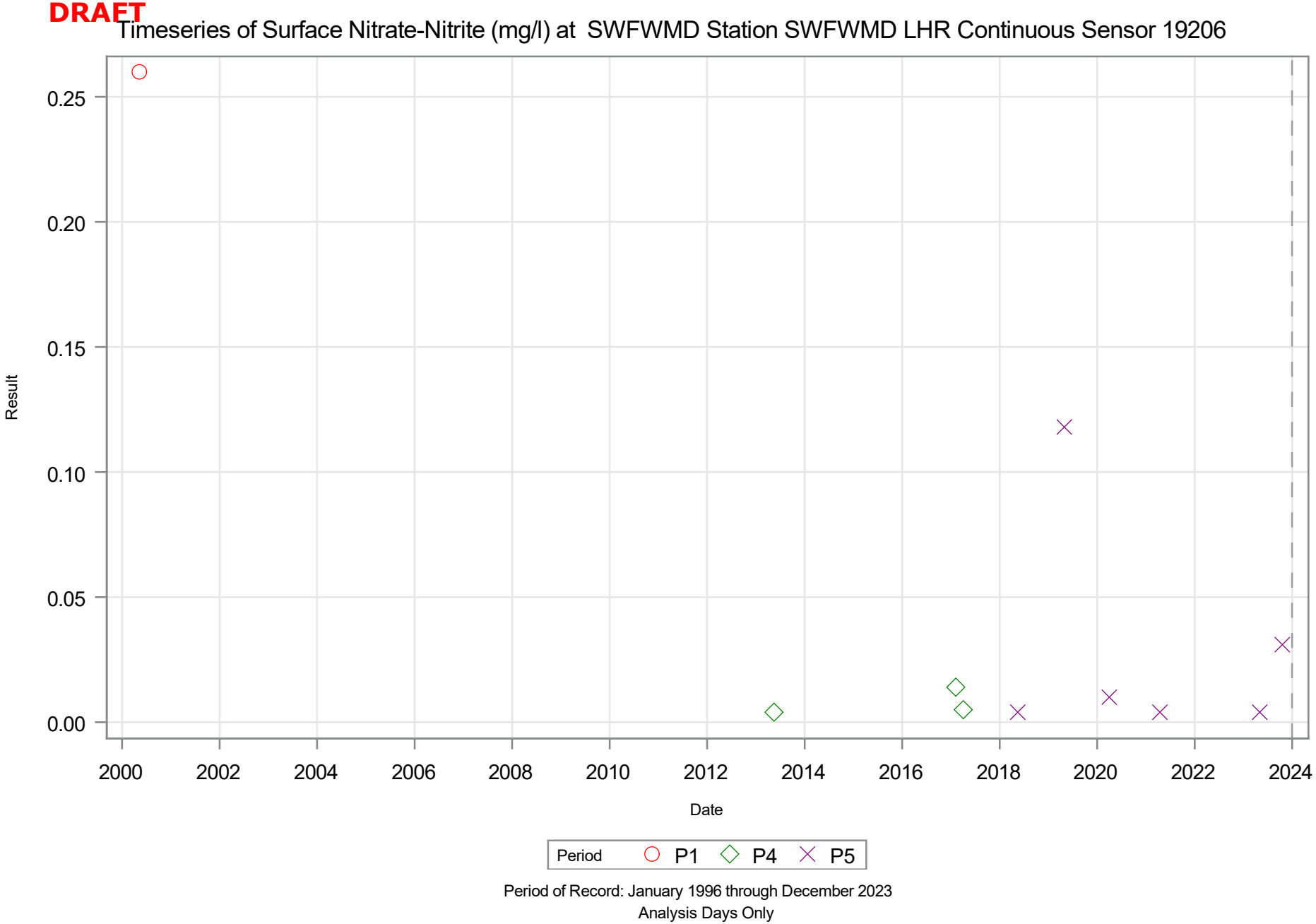
DRAFT

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



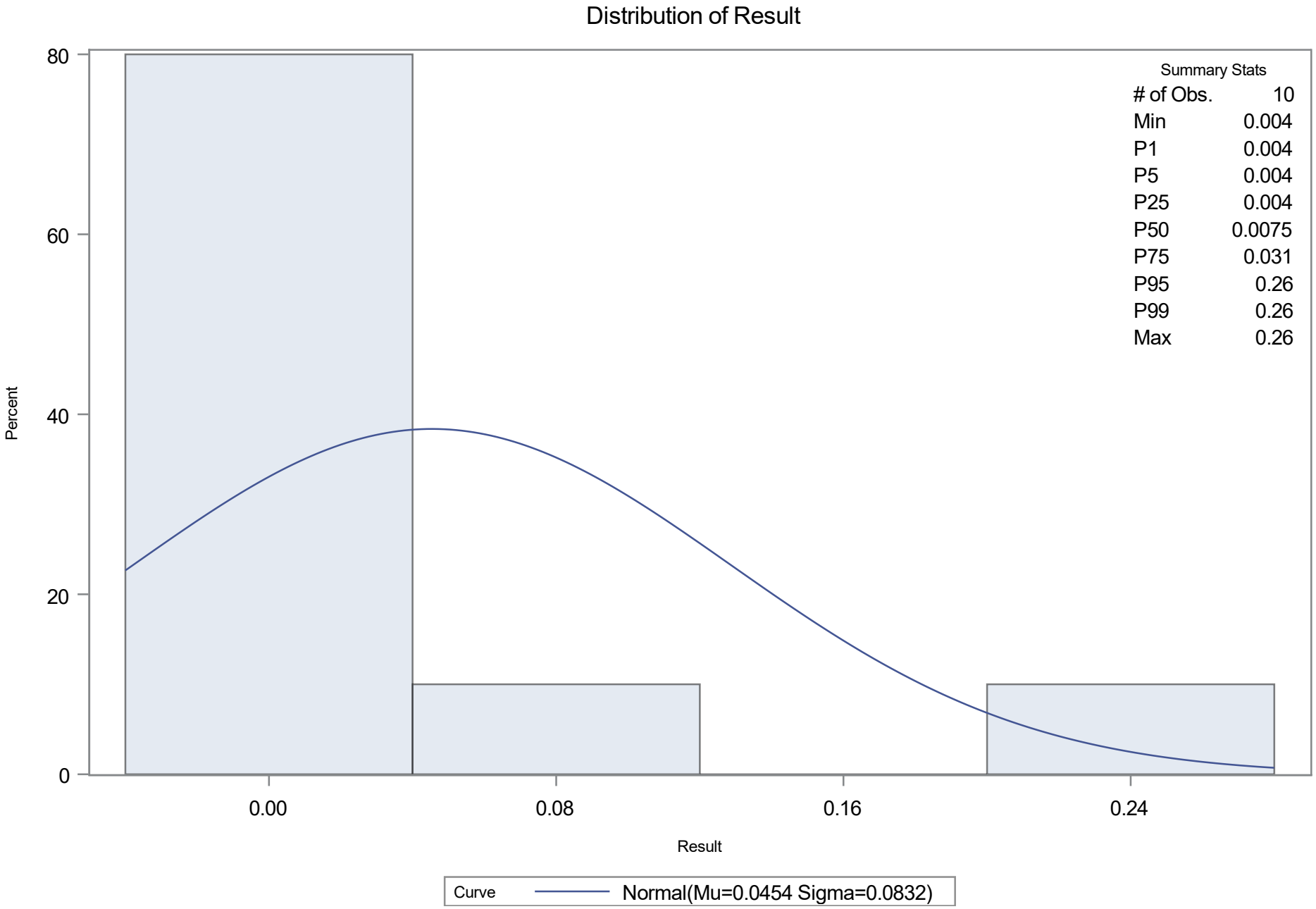
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206
Result
0.25
0.20
0.15
0.10
0.05
0.00
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.0454
Std Dev	Sigma	0.083172

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.36872733	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.36449910	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.87345756	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00400	-0.14809
5.0	0.00400	-0.09141
10.0	0.00400	-0.06119
25.0	0.00400	-0.01070
50.0	0.00750	0.04540
75.0	0.03100	0.10150
90.0	0.18900	0.15199
95.0	0.26000	0.18221
99.0	0.26000	0.23889

Period of Record: January 1996 through December 2023
Analysis Days Only

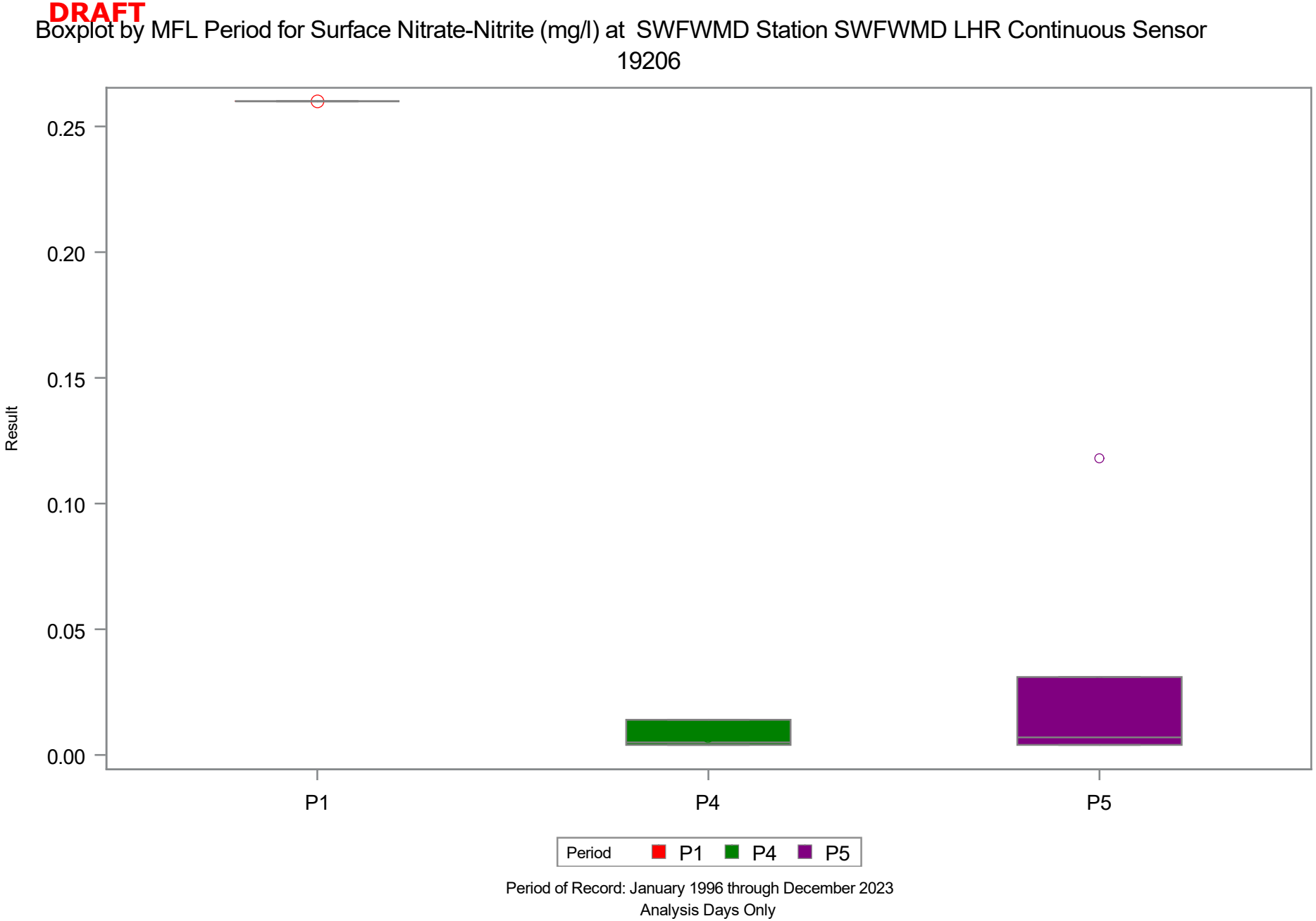
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

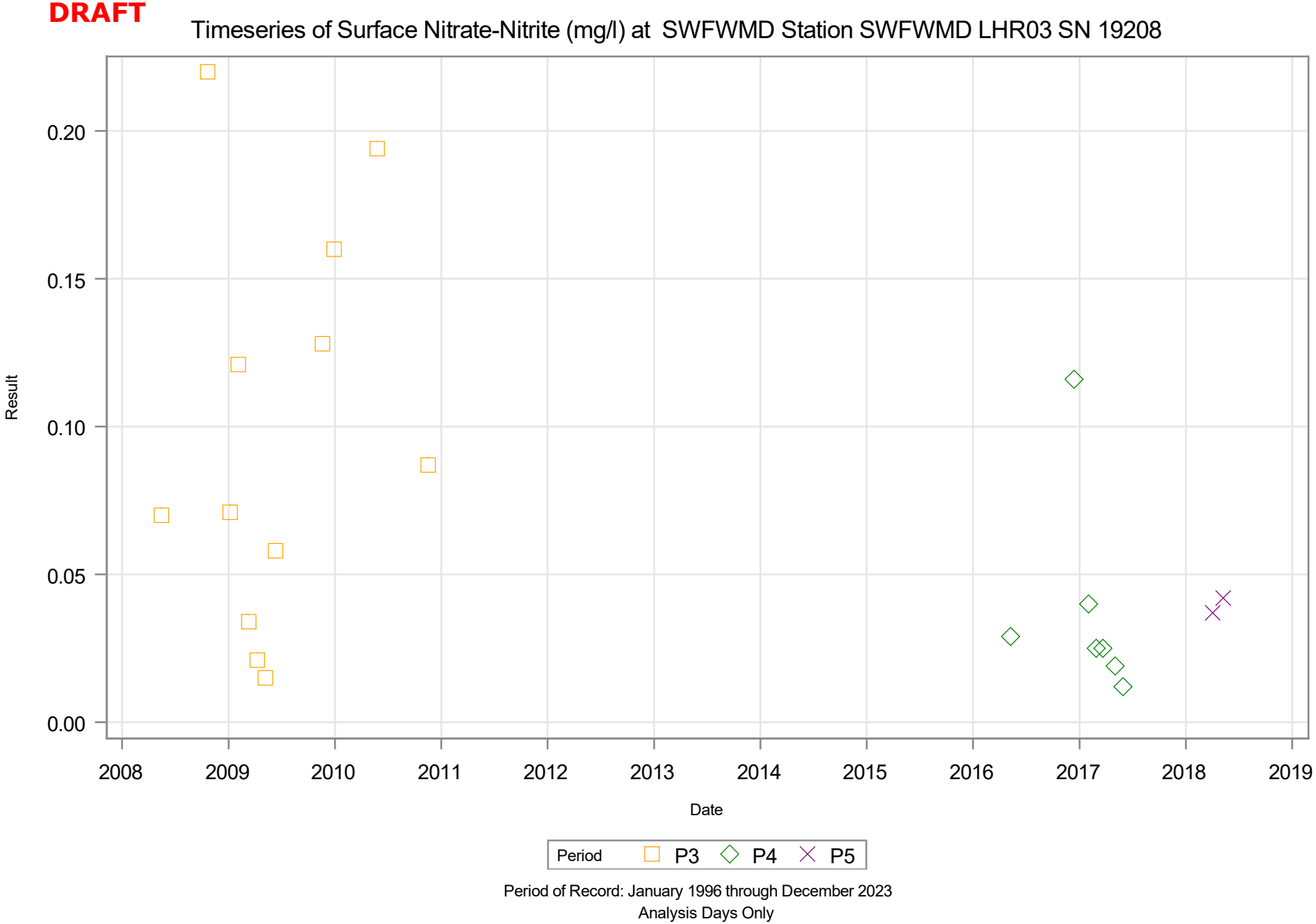
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1	0.26	0.26	0.26	0.26	0.26	0.26
P4	3	0.00	0.00	0.01	0.01	0.01	0.01
P5	6	0.00	0.00	0.03	0.01	0.03	0.12

Period of Record: January 1996 through December 2023
Analysis Days Only

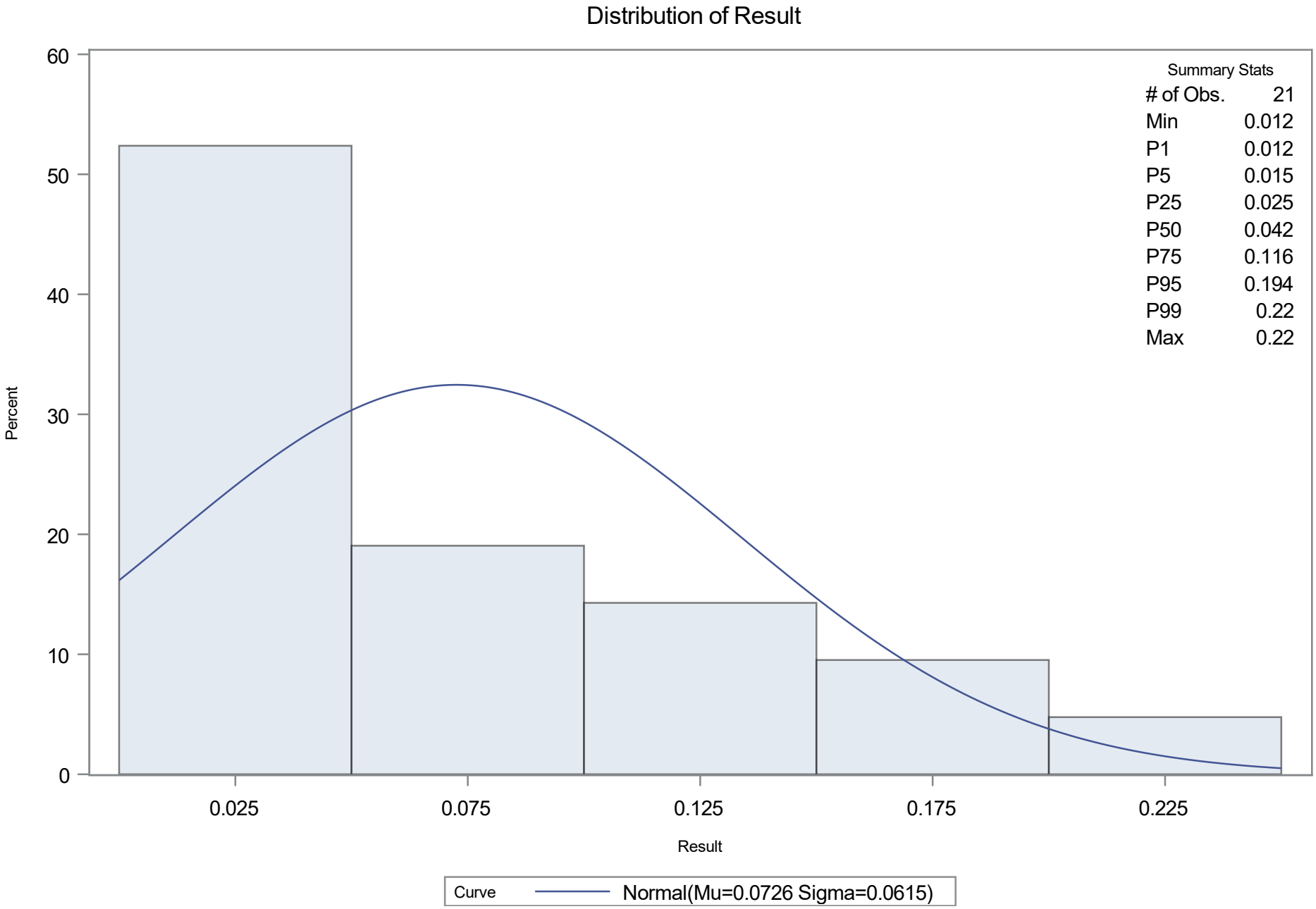
DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206
Result
0.25
0.20
0.15
0.10
0.05
0.00
P1
P4
P5
Period
P1
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0.20
0.15
0.10
0.05
0.00
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.072571
Std Dev	Sigma	0.061459

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21436709	**Pr > D**	0.013
Cramer-von Mises	**W-Sq**	0.20120898	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.17055926	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01200	-0.07040
5.0	0.01500	-0.02852
10.0	0.01900	-0.00619
25.0	0.02500	0.03112
50.0	0.04200	0.07257
75.0	0.11600	0.11402
90.0	0.16000	0.15133
95.0	0.19400	0.17366
99.0	0.22000	0.21555

Period of Record: January 1996 through December 2023
Analysis Days Only

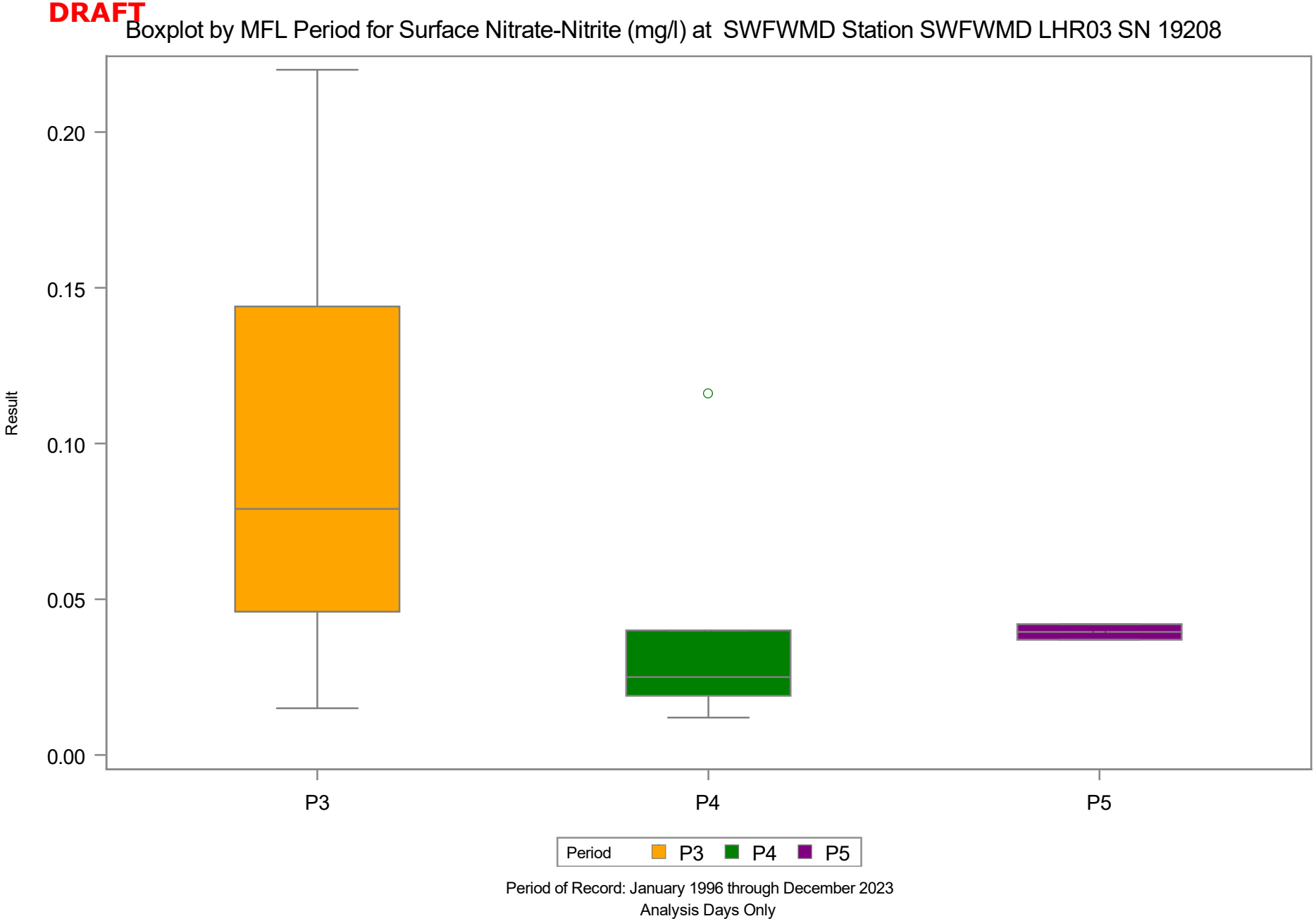
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

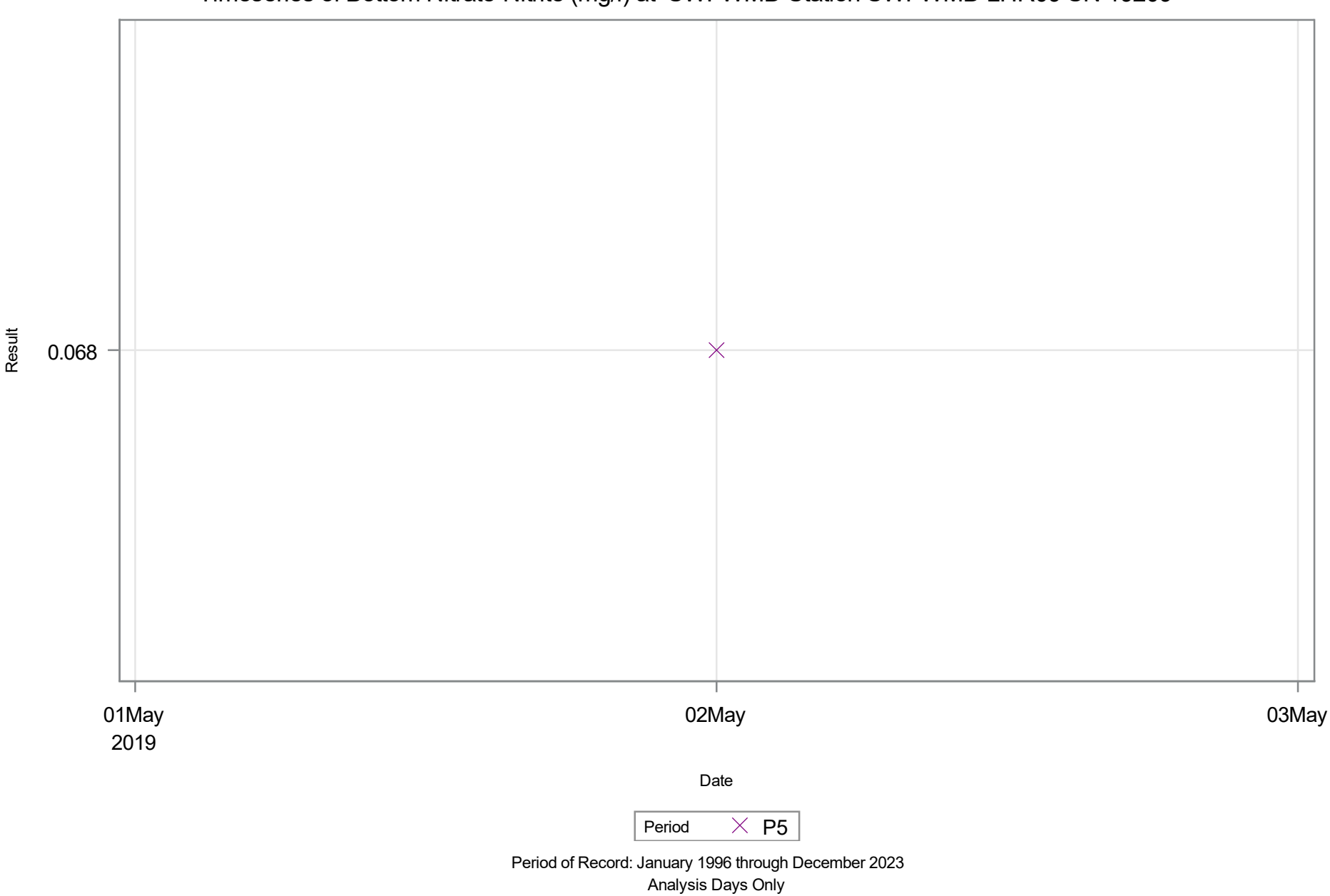
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	12	0.02	0.05	0.10	0.08	0.14	0.22
P4	7	0.01	0.02	0.04	0.03	0.04	0.12
P5	2	0.04	0.04	0.04	0.04	0.04	0.04

Period of Record: January 1996 through December 2023
Analysis Days Only

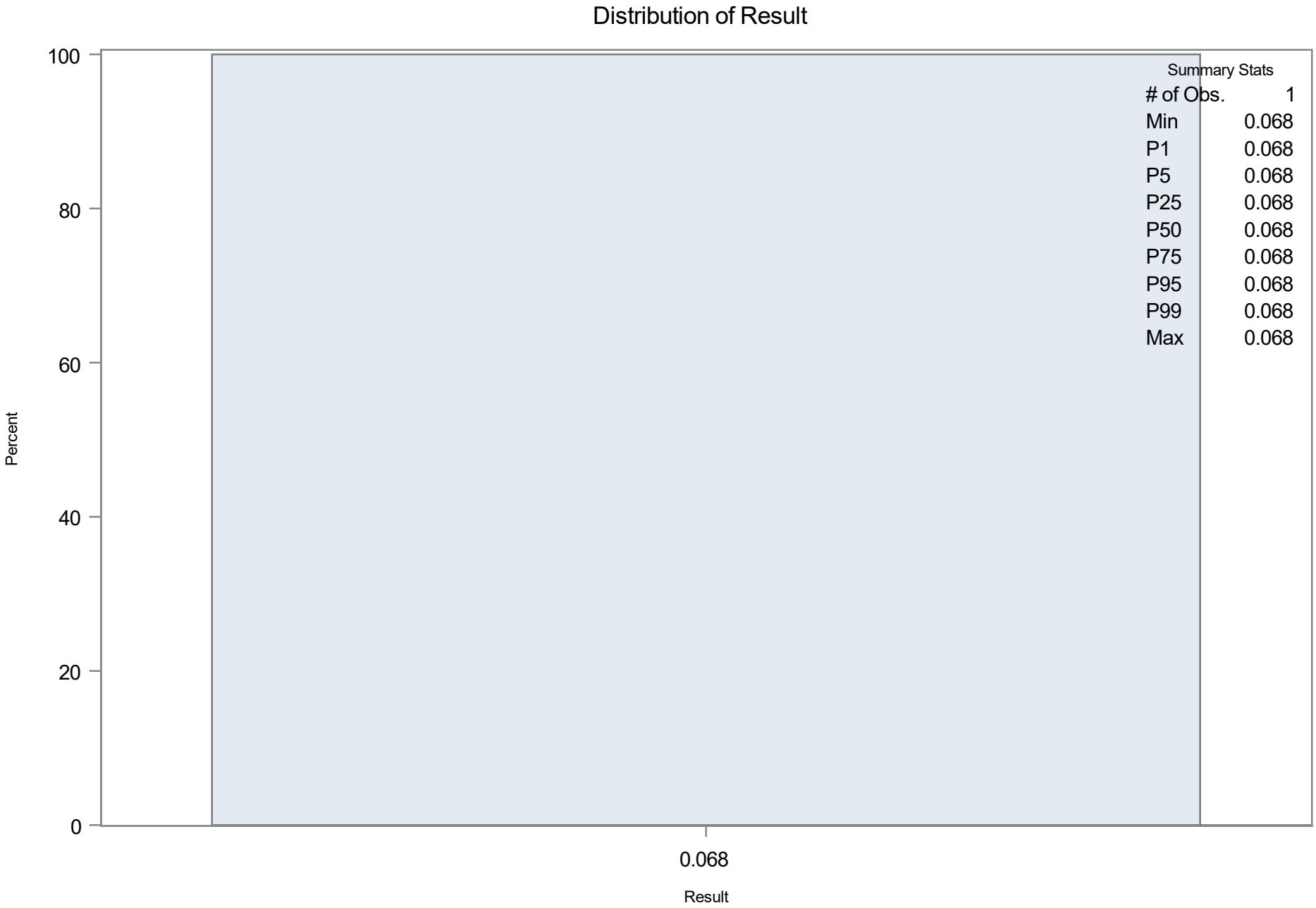
DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0.20
0.15
0.10
0.05
0.00
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.068
01May
2019
02May
03May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

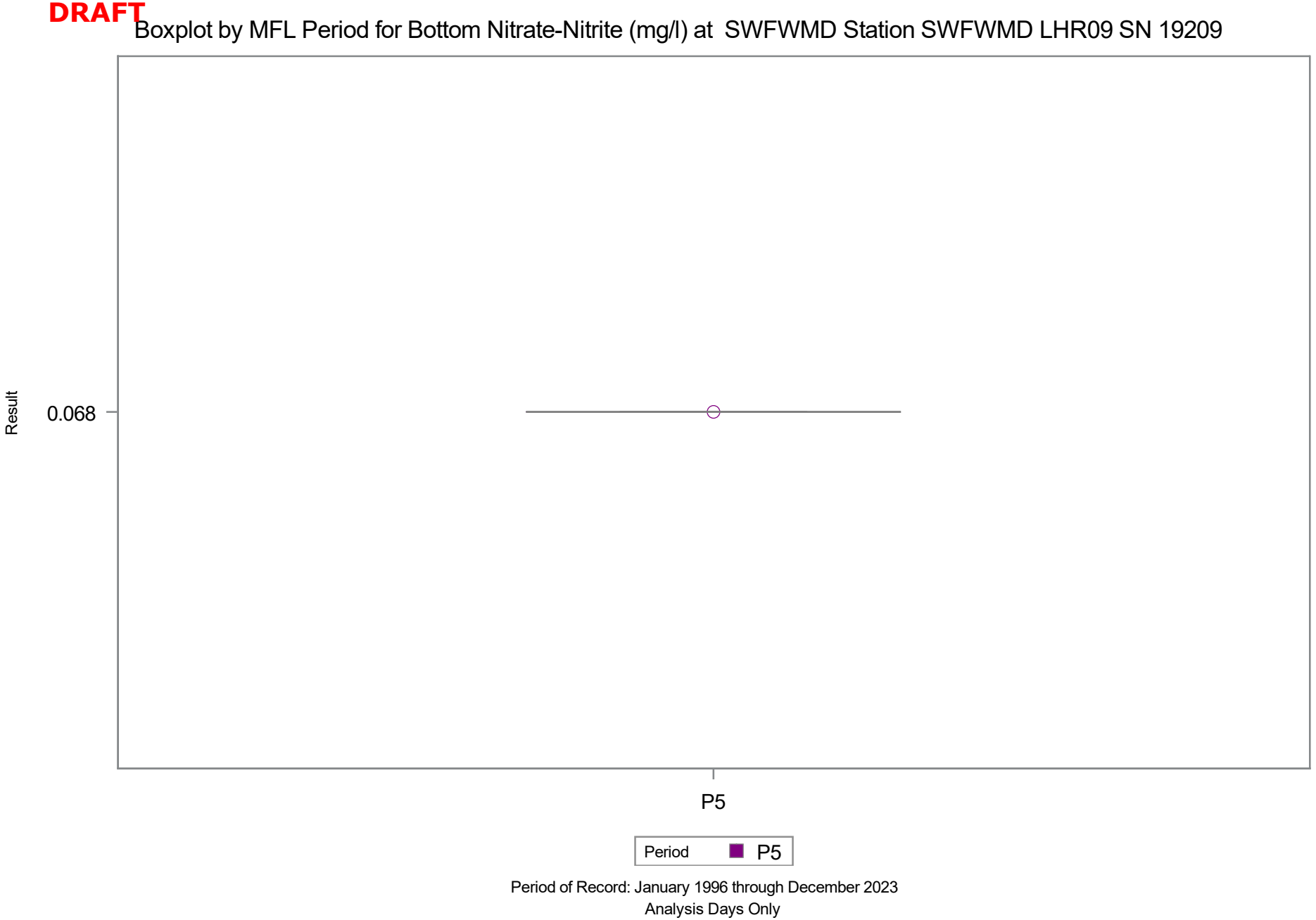
DRAFT

Distributional Statistics by Period for Bottom Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

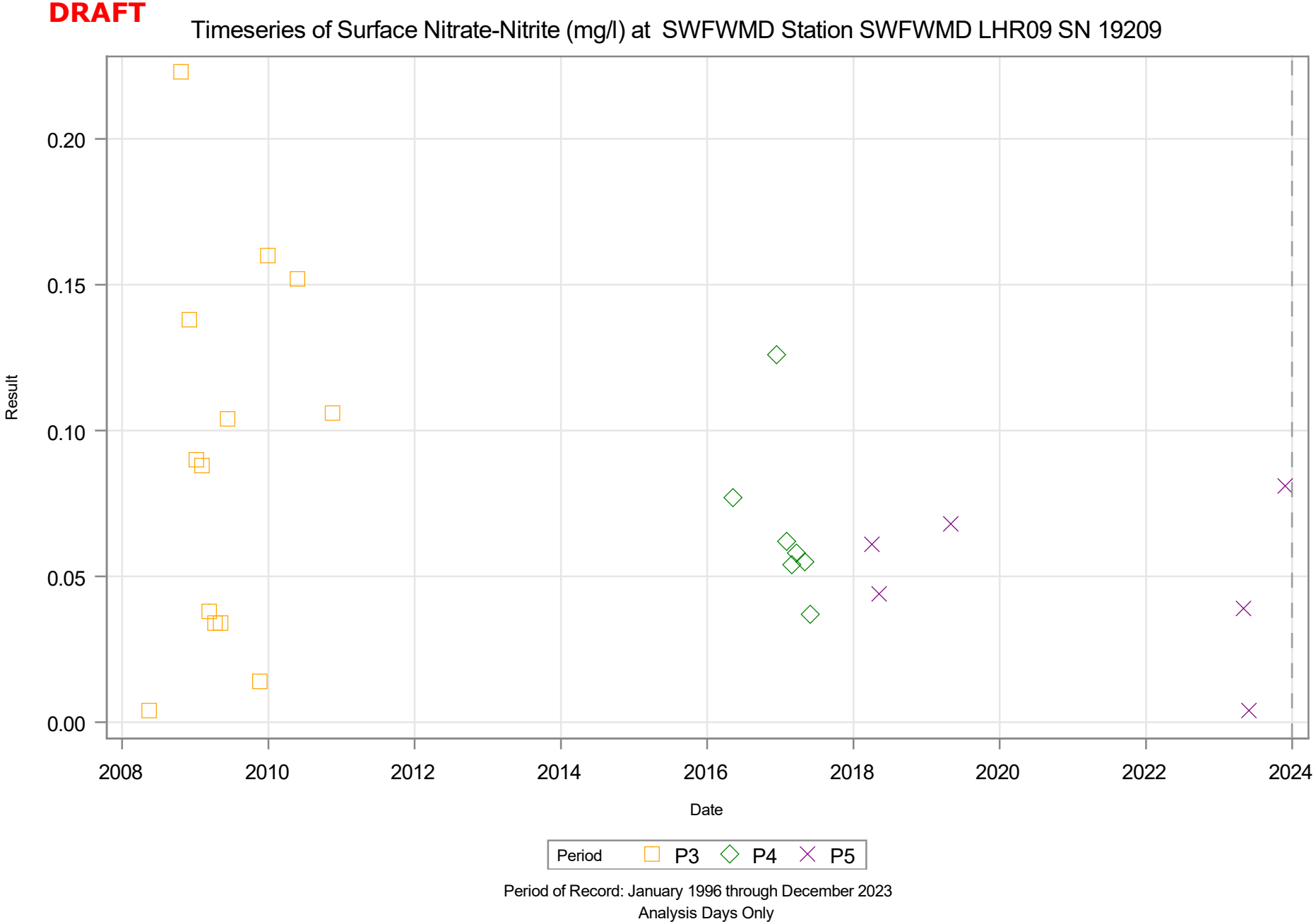
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	0.07	0.07	0.07	0.07	0.07	0.07

Period of Record: January 1996 through December 2023
Analysis Days Only

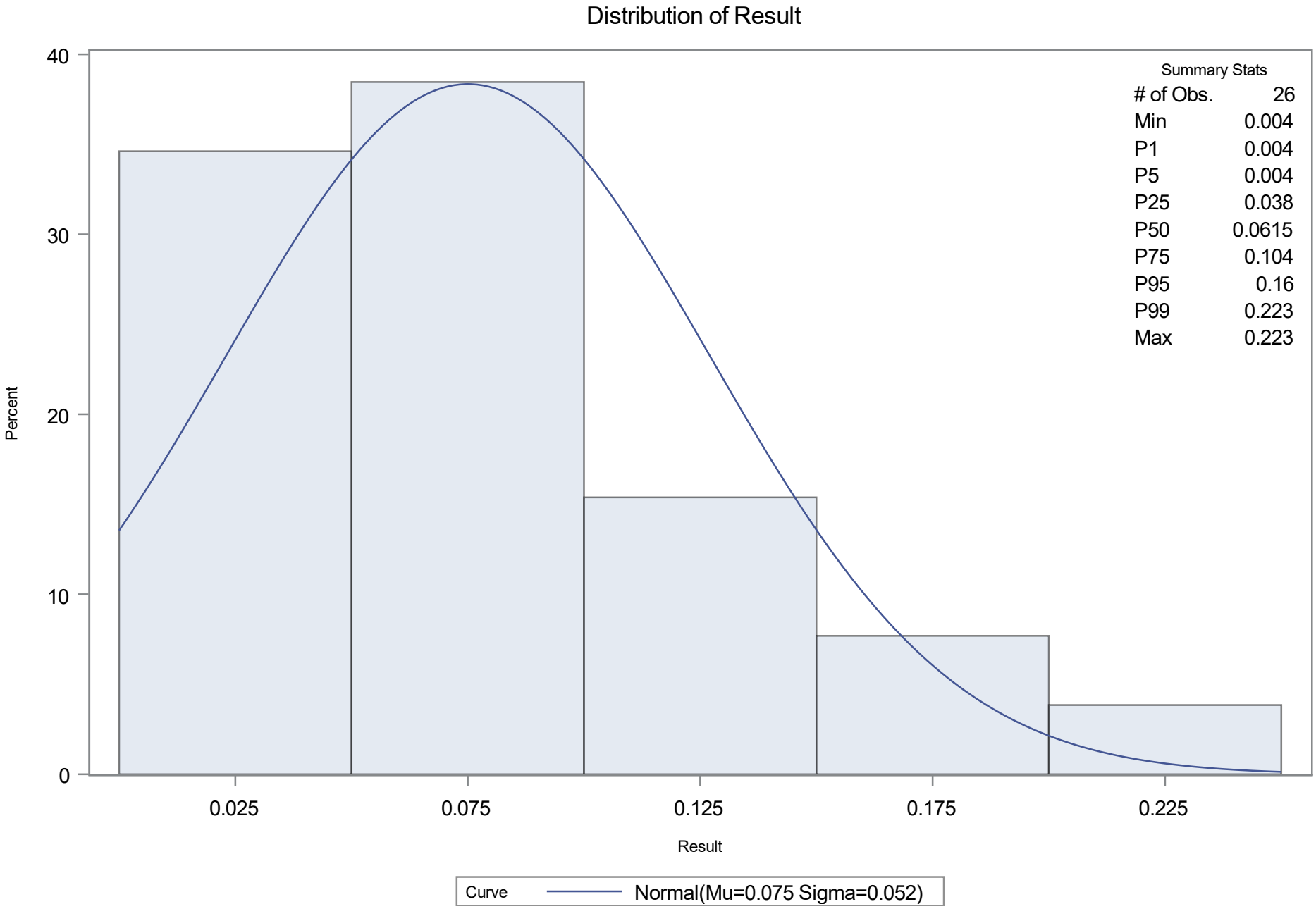
DRAFT


Boxplot by MFL Period for Bottom Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.068
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.20
0.15
0.10
0.05
0.00
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.075038
Std Dev	Sigma	0.052017

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13742305	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10186112	**Pr > W-Sq**	0.101
Anderson-Darling	**A-Sq**	0.60695149	**Pr > A-Sq**	0.103

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00400	-0.04597
5.0	0.00400	-0.01052
10.0	0.01400	0.00838
25.0	0.03800	0.03995
50.0	0.06150	0.07504
75.0	0.10400	0.11012
90.0	0.15200	0.14170
95.0	0.16000	0.16060
99.0	0.22300	0.19605

Period of Record: January 1996 through December 2023
Analysis Days Only

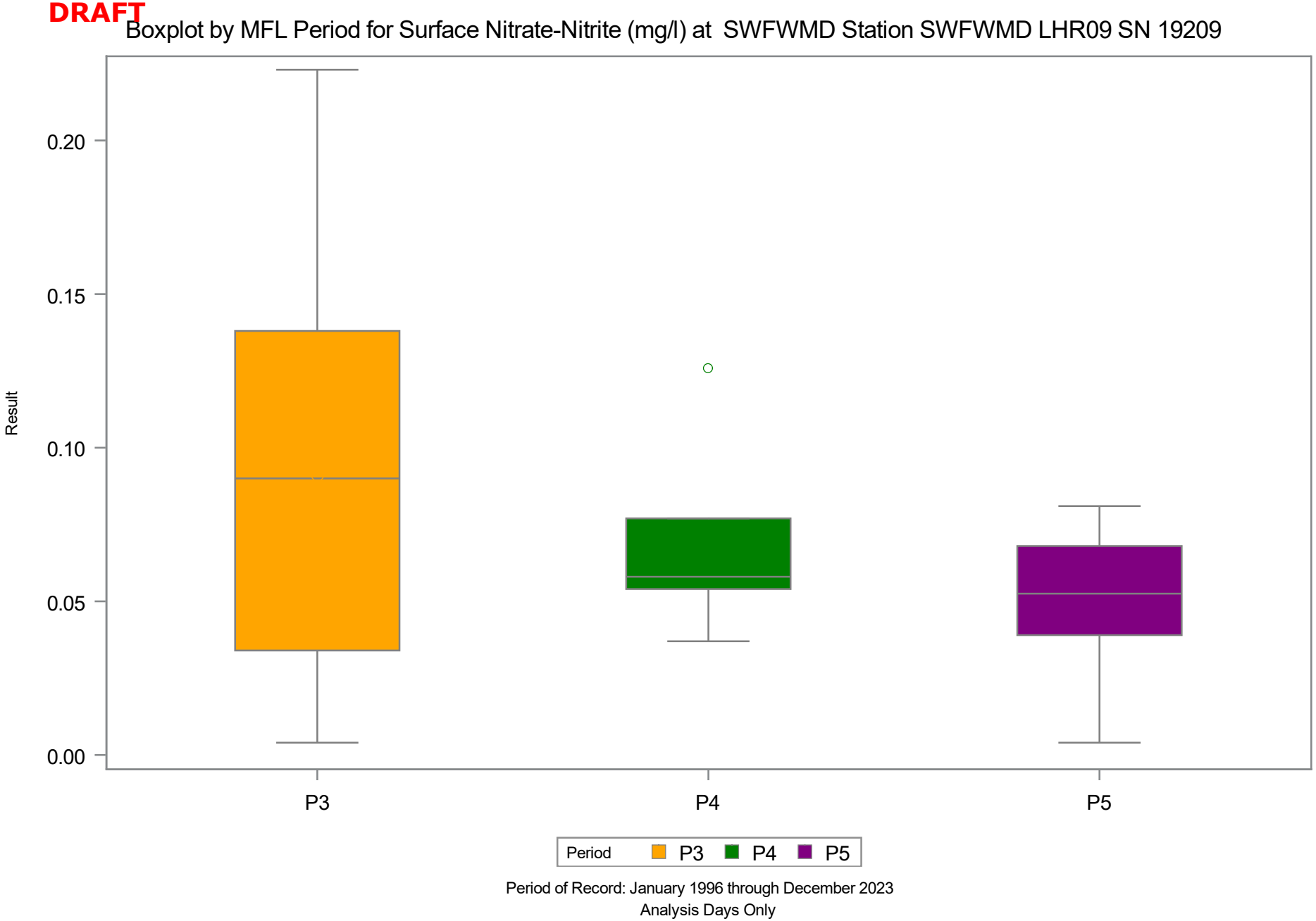
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

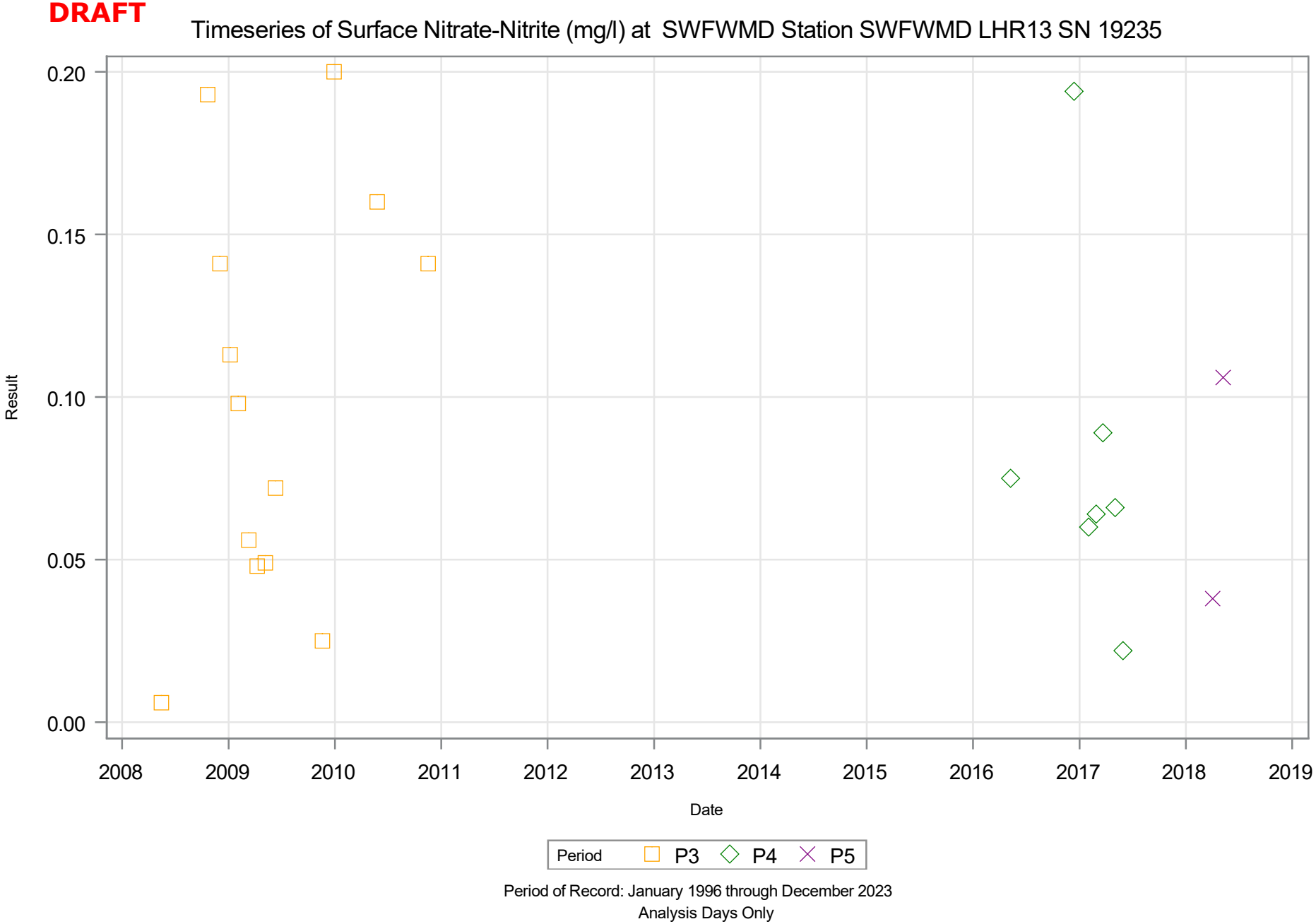
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.00	0.03	0.09	0.09	0.14	0.22
P4	7	0.04	0.05	0.07	0.06	0.08	0.13
P5	6	0.00	0.04	0.05	0.05	0.07	0.08

Period of Record: January 1996 through December 2023
Analysis Days Only

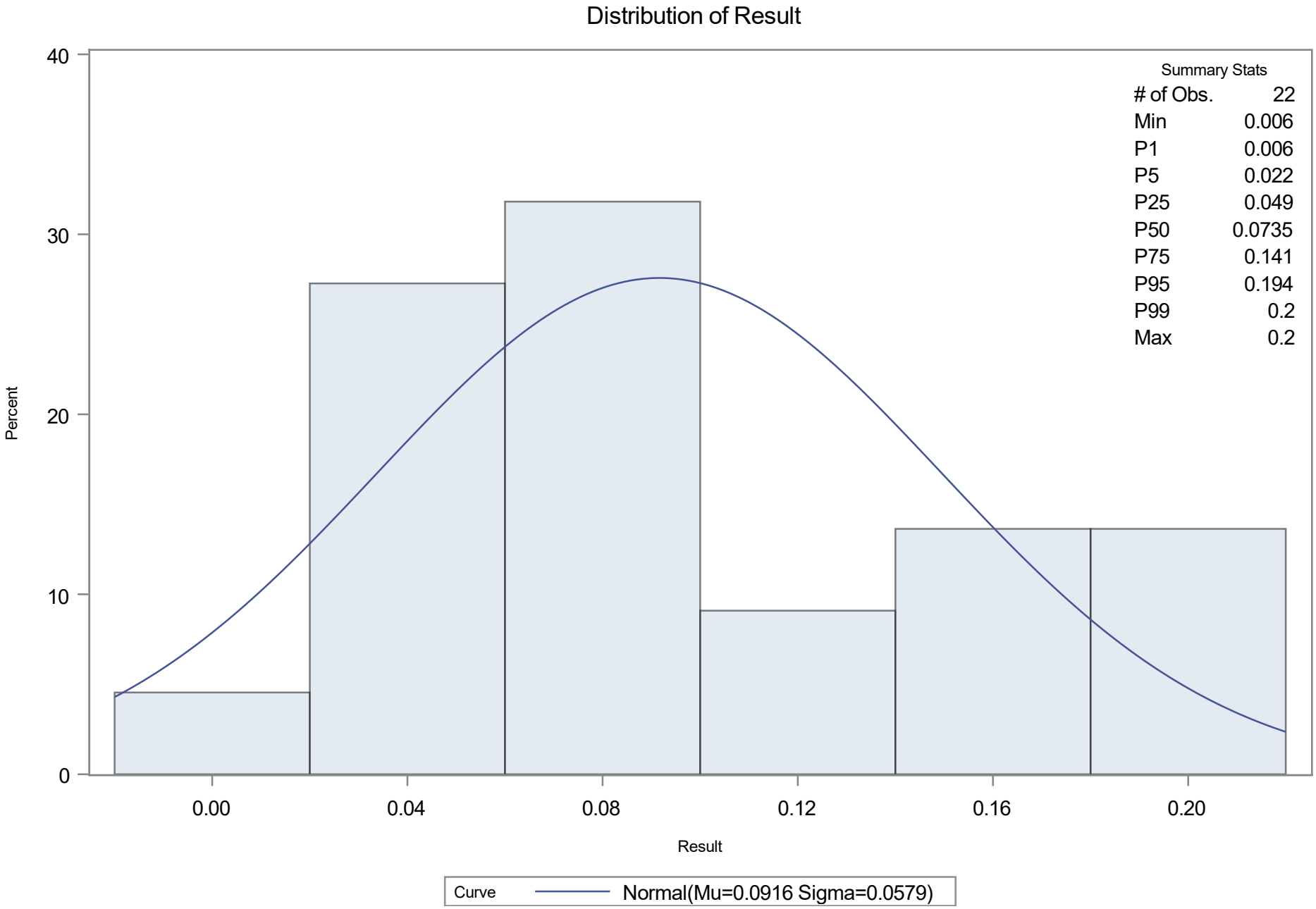
DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.20
0.15
0.10
0.05
0.00
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
0.20
0.15
0.10
0.05
0.00
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.091636
Std Dev	Sigma	0.057871

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15858034	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08910788	**Pr > W-Sq**	0.149
Anderson-Darling	**A-Sq**	0.55795062	**Pr > A-Sq**	0.137

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00600	-0.04299
5.0	0.02200	-0.00355
10.0	0.02500	0.01747
25.0	0.04900	0.05260
50.0	0.07350	0.09164
75.0	0.14100	0.13067
90.0	0.19300	0.16580
95.0	0.19400	0.18683
99.0	0.20000	0.22626

Period of Record: January 1996 through December 2023
Analysis Days Only

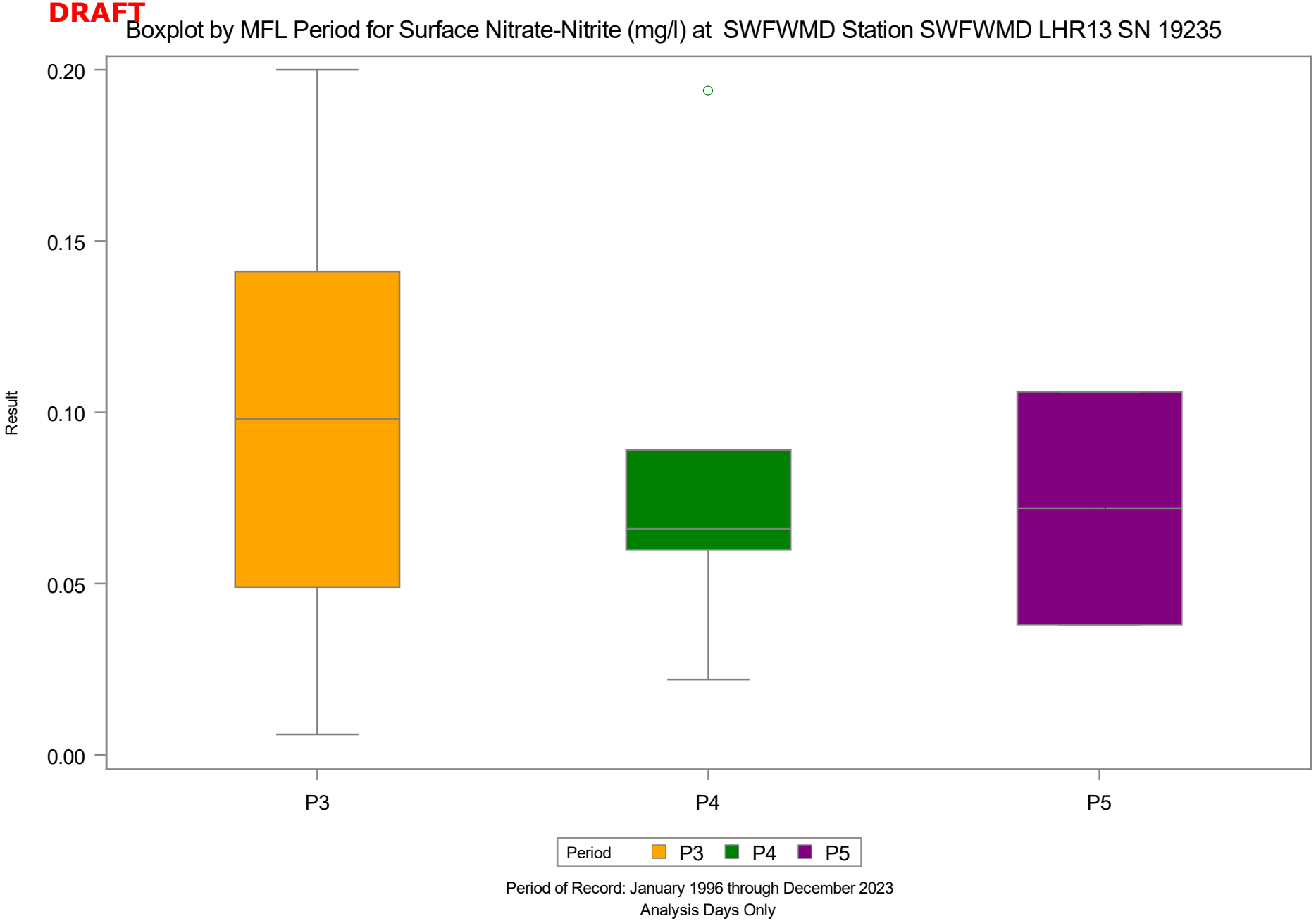
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

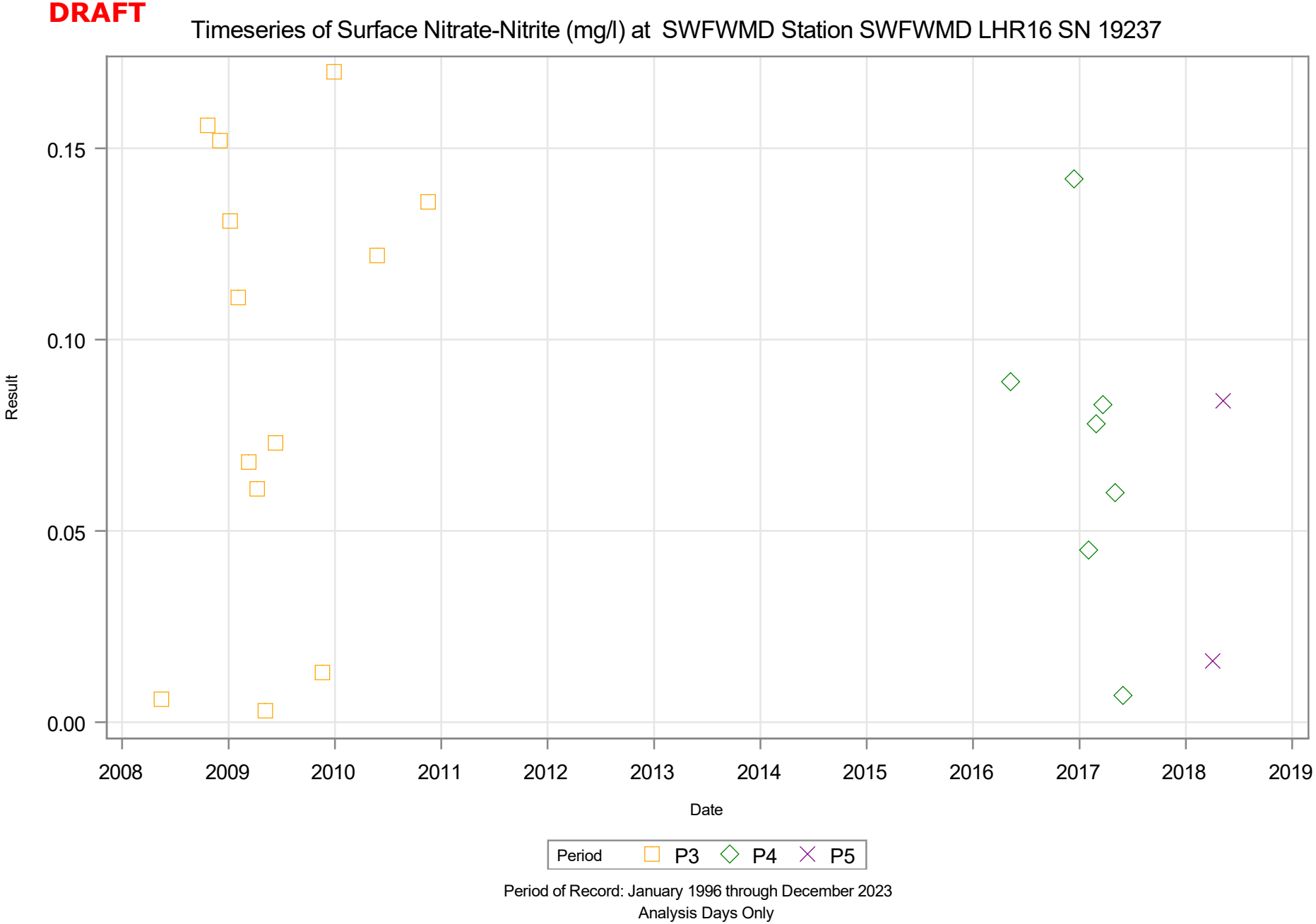
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.01	0.05	0.10	0.10	0.14	0.20
P4	7	0.02	0.06	0.08	0.07	0.09	0.19
P5	2	0.04	0.04	0.07	0.07	0.11	0.11

Period of Record: January 1996 through December 2023
Analysis Days Only

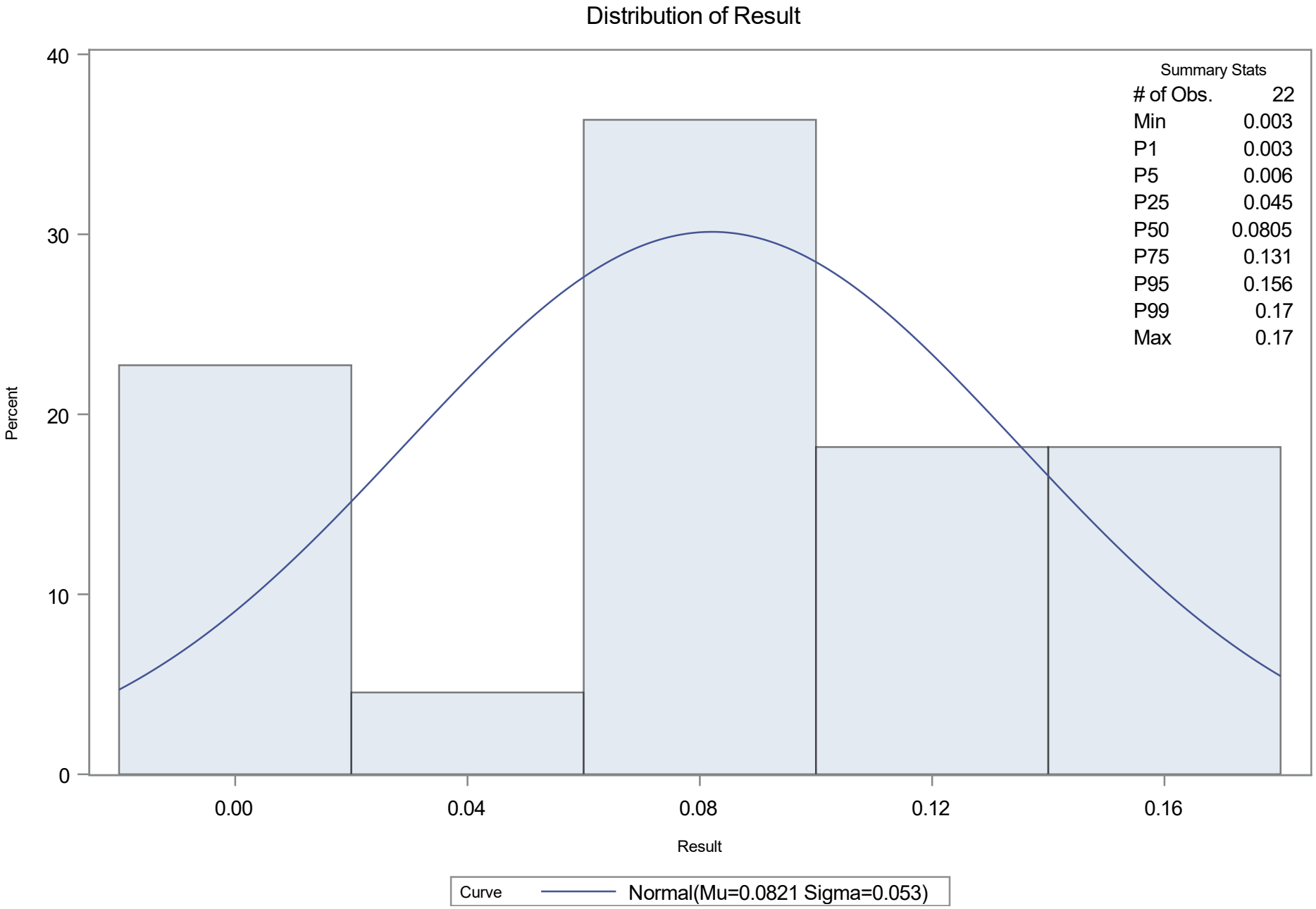
DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
0.20
0.15
0.10
0.05
0.00
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
0.15
0.10
0.05
0.00
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.082091
Std Dev	Sigma	0.05295

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12128926	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04695334	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37929011	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.04109
5.0	0.00600	-0.00500
10.0	0.00700	0.01423
25.0	0.04500	0.04638
50.0	0.08050	0.08209
75.0	0.13100	0.11781
90.0	0.15200	0.14995
95.0	0.15600	0.16919
99.0	0.17000	0.20527

Period of Record: January 1996 through December 2023
Analysis Days Only

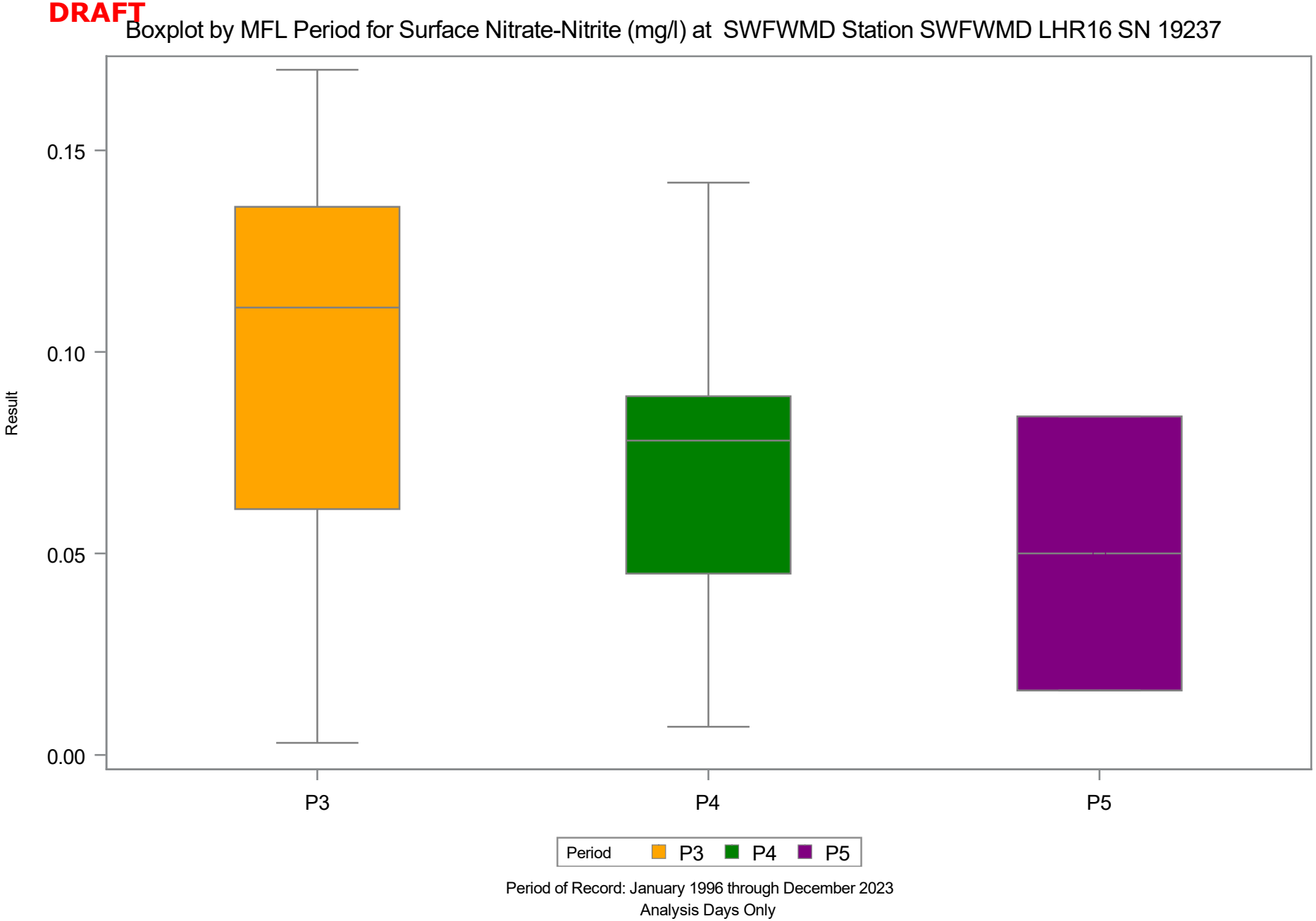
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

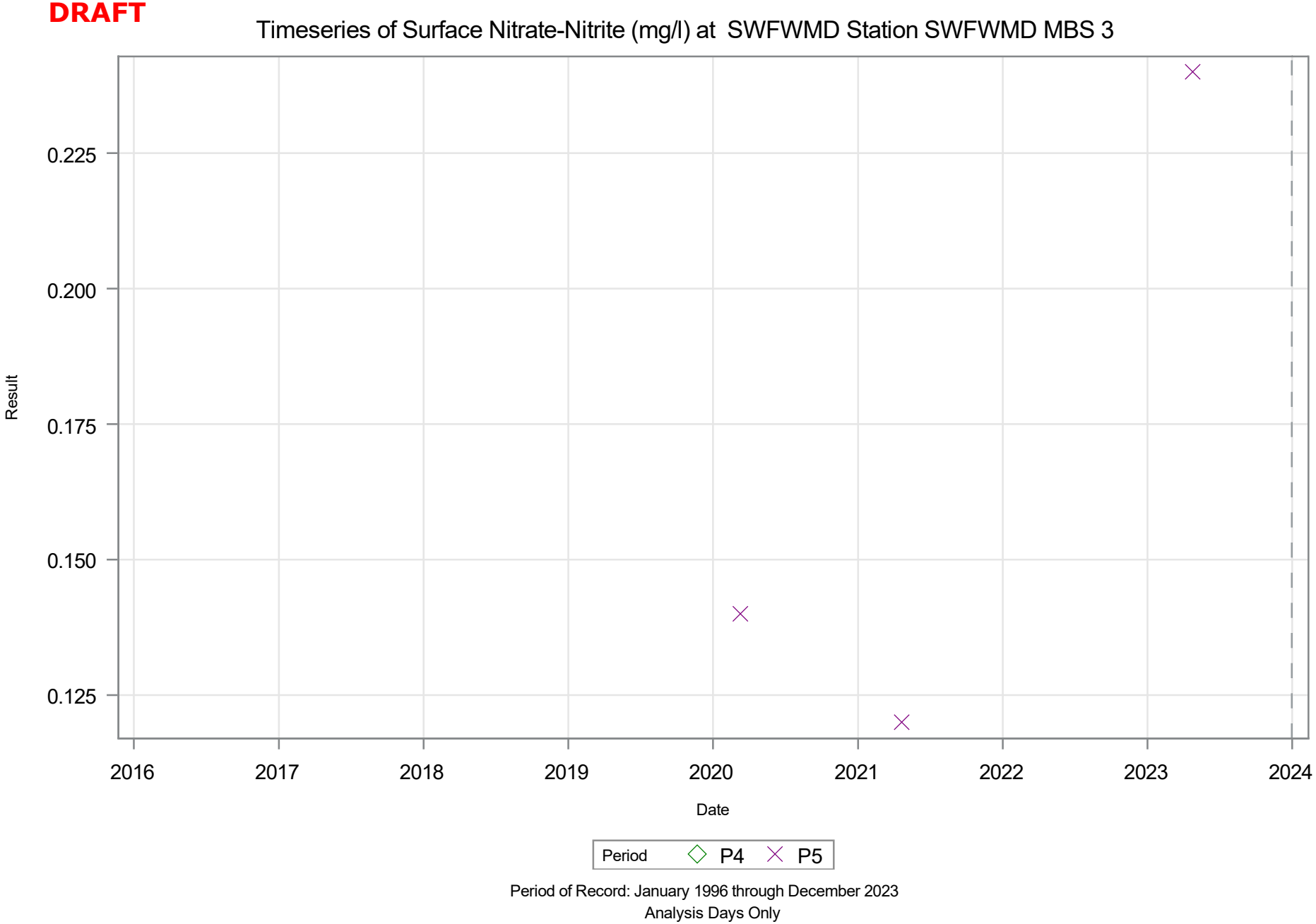
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.00	0.06	0.09	0.11	0.14	0.17
P4	7	0.01	0.05	0.07	0.08	0.09	0.14
P5	2	0.02	0.02	0.05	0.05	0.08	0.08

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

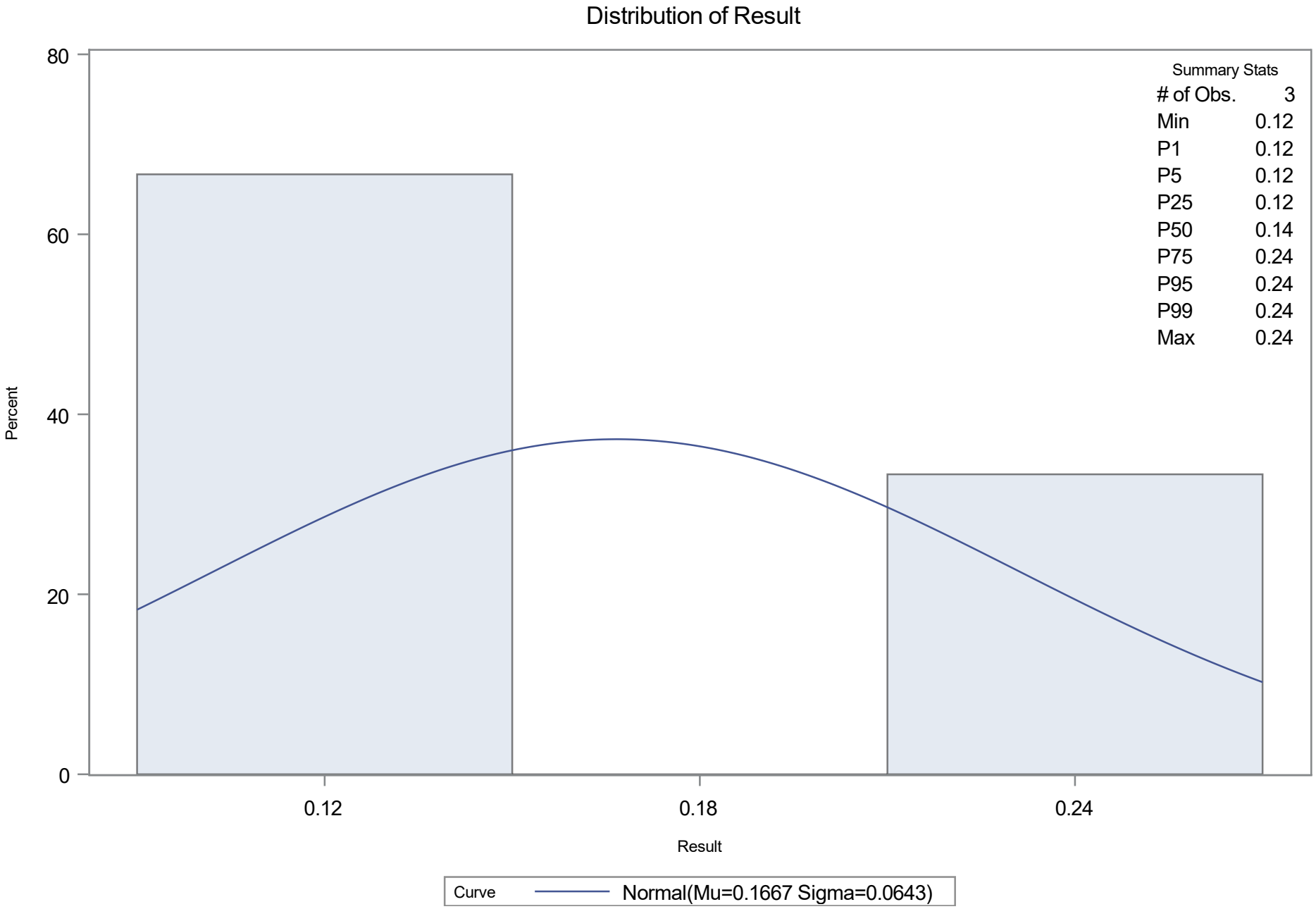

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
0.15
0.10
0.05
0.00
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
0.225
0.200
0.175
0.150
0.125
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.166667
Std Dev	Sigma	0.064291

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.32751543	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05975132	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33815913	**Pr > A-Sq**	0.209

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.12000	0.01710
5.0	0.12000	0.06092
10.0	0.12000	0.08427
25.0	0.12000	0.12330
50.0	0.14000	0.16667
75.0	0.24000	0.21003
90.0	0.24000	0.24906
95.0	0.24000	0.27242
99.0	0.24000	0.31623

Period of Record: January 1996 through December 2023
Analysis Days Only

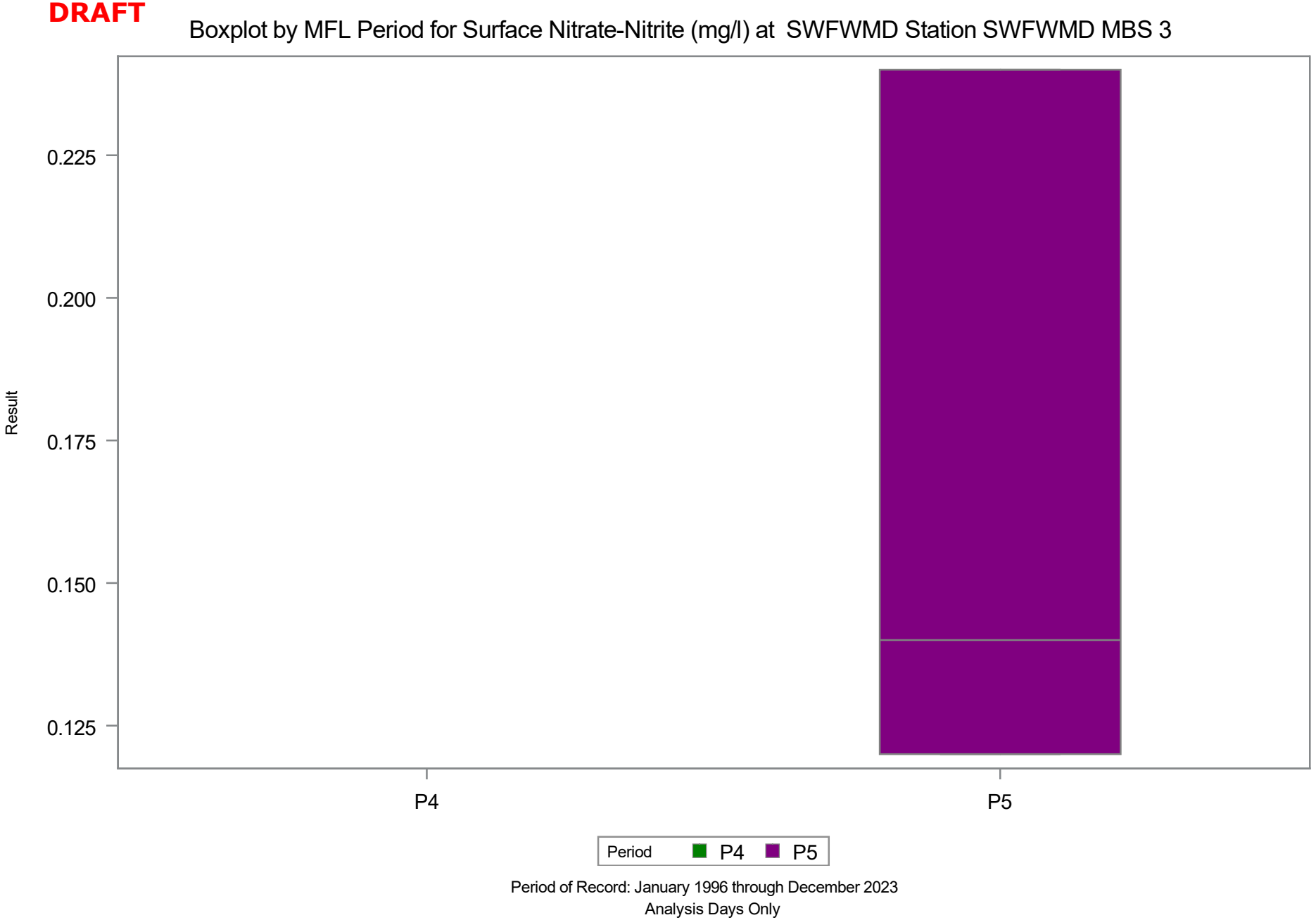
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD MBS 3

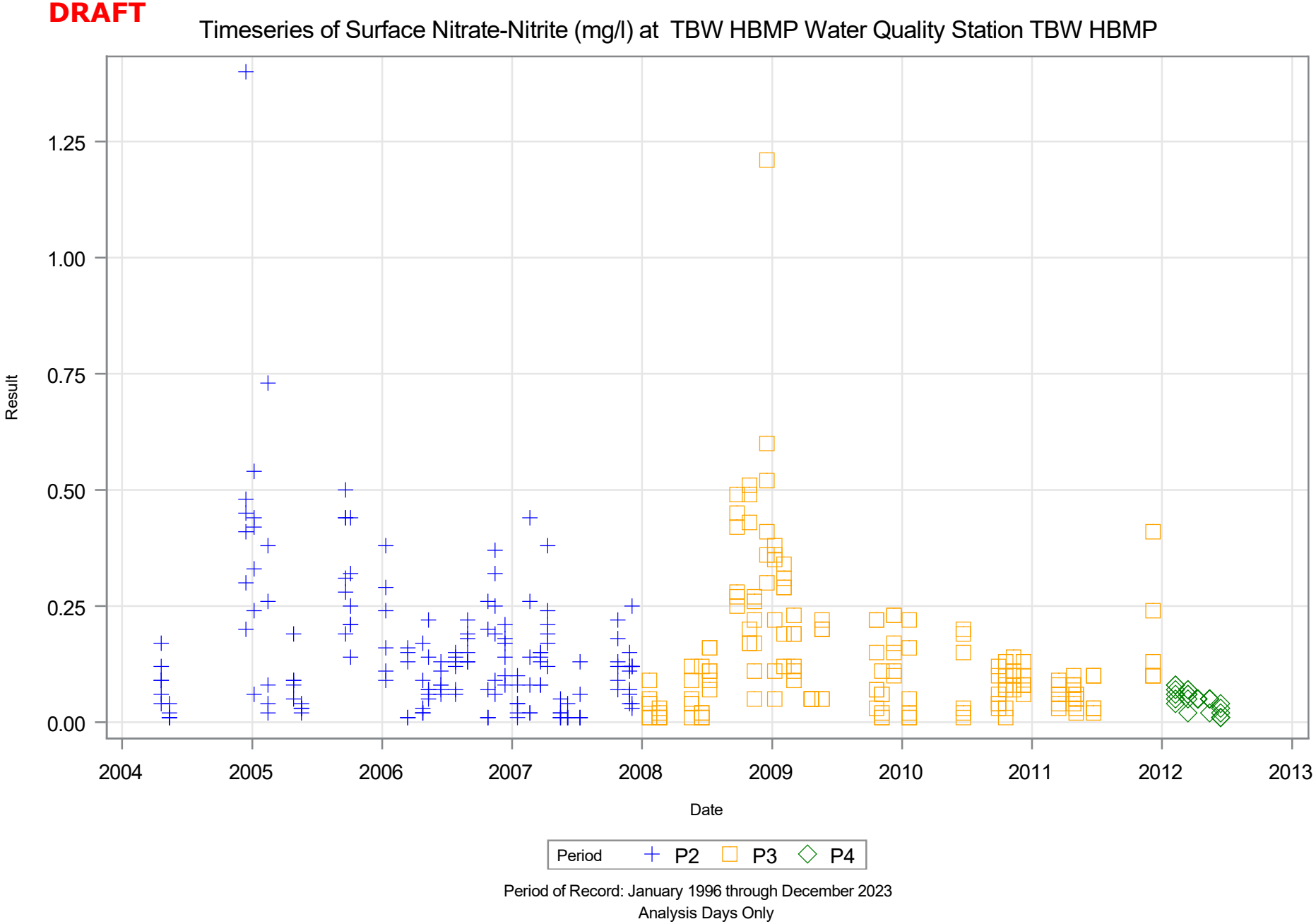
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	3	0.12	0.12	0.17	0.14	0.24	0.24

Period of Record: January 1996 through December 2023
Analysis Days Only

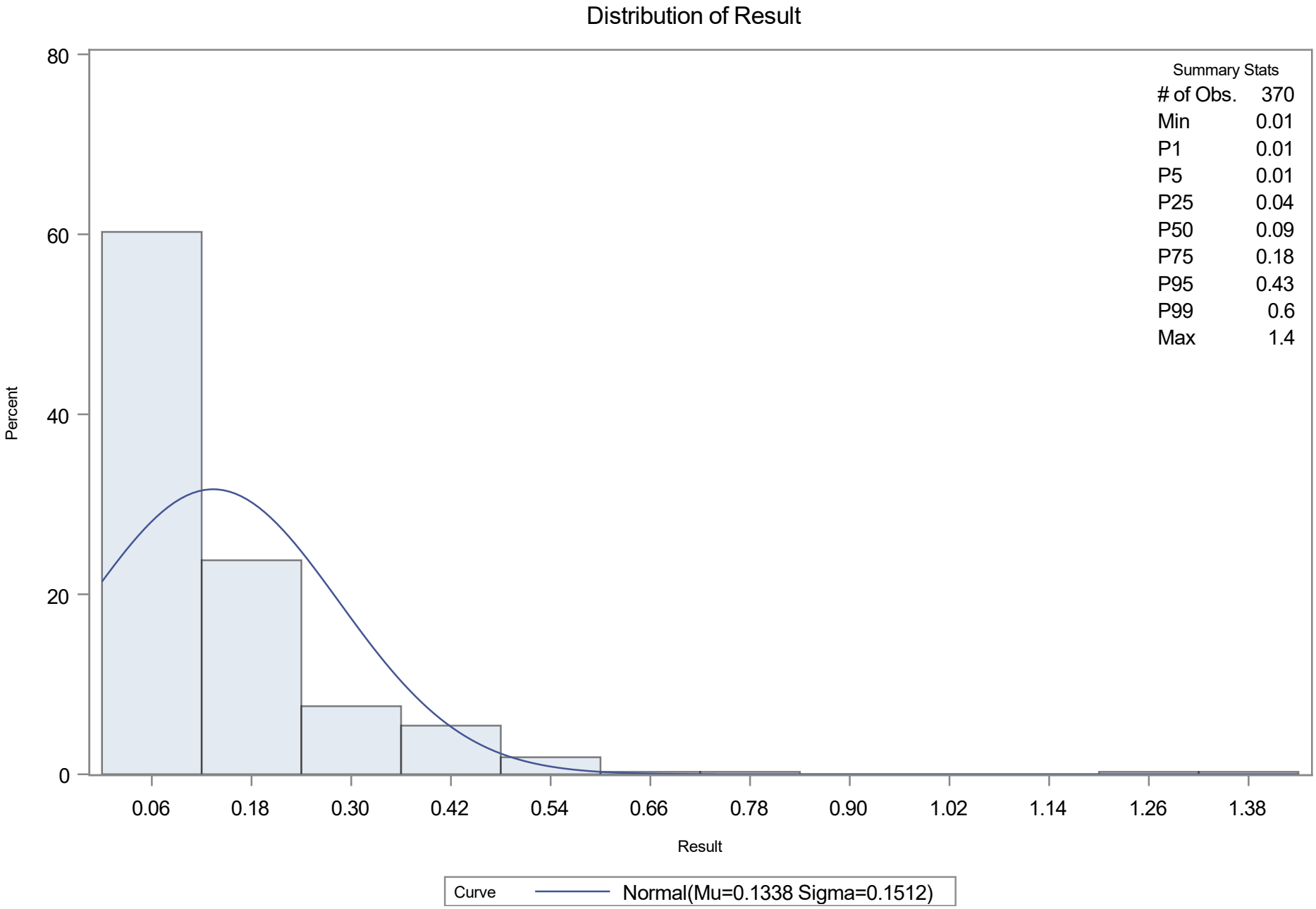
DRAFT


Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
0.225
0.200
0.175
0.150
0.125
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Nitrate-Nitrite (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
1.25
1.00
0.75
0.50
0.25
0.00
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at TBW HBMP Water Quality Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Nitrate-Nitrite (mg/l) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.133838
Std Dev	Sigma	0.151161

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2063238	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.2893225	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	23.9016298	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-0.21782
5.0	0.01000	-0.11480
10.0	0.01000	-0.05988
25.0	0.04000	0.03188
50.0	0.09000	0.13384
75.0	0.18000	0.23579
90.0	0.31000	0.32756
95.0	0.43000	0.38248
99.0	0.60000	0.48549

Period of Record: January 1996 through December 2023
Analysis Days Only

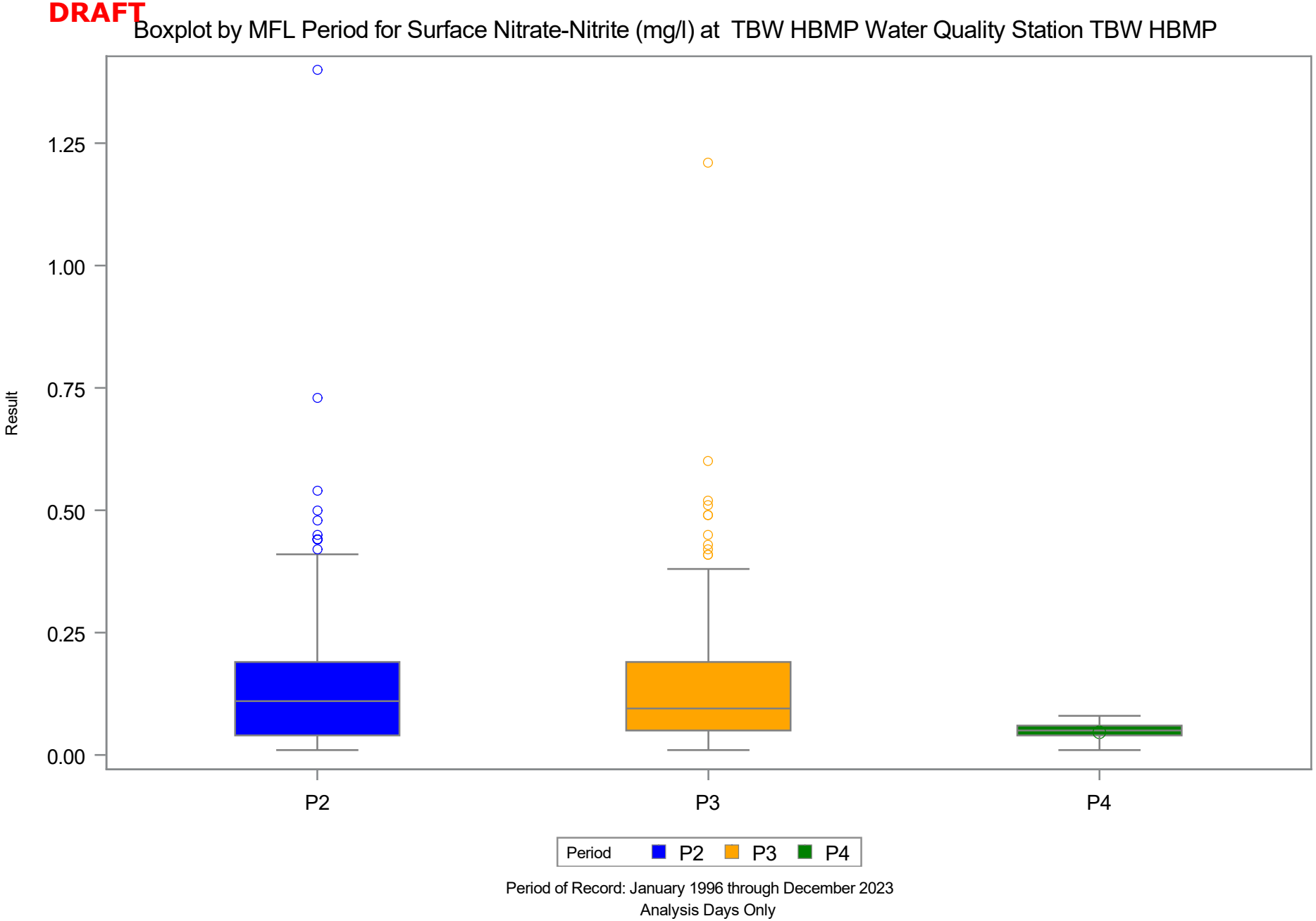
DRAFT

Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l) at TBW HBMP Water Quality Station TBW HBMP

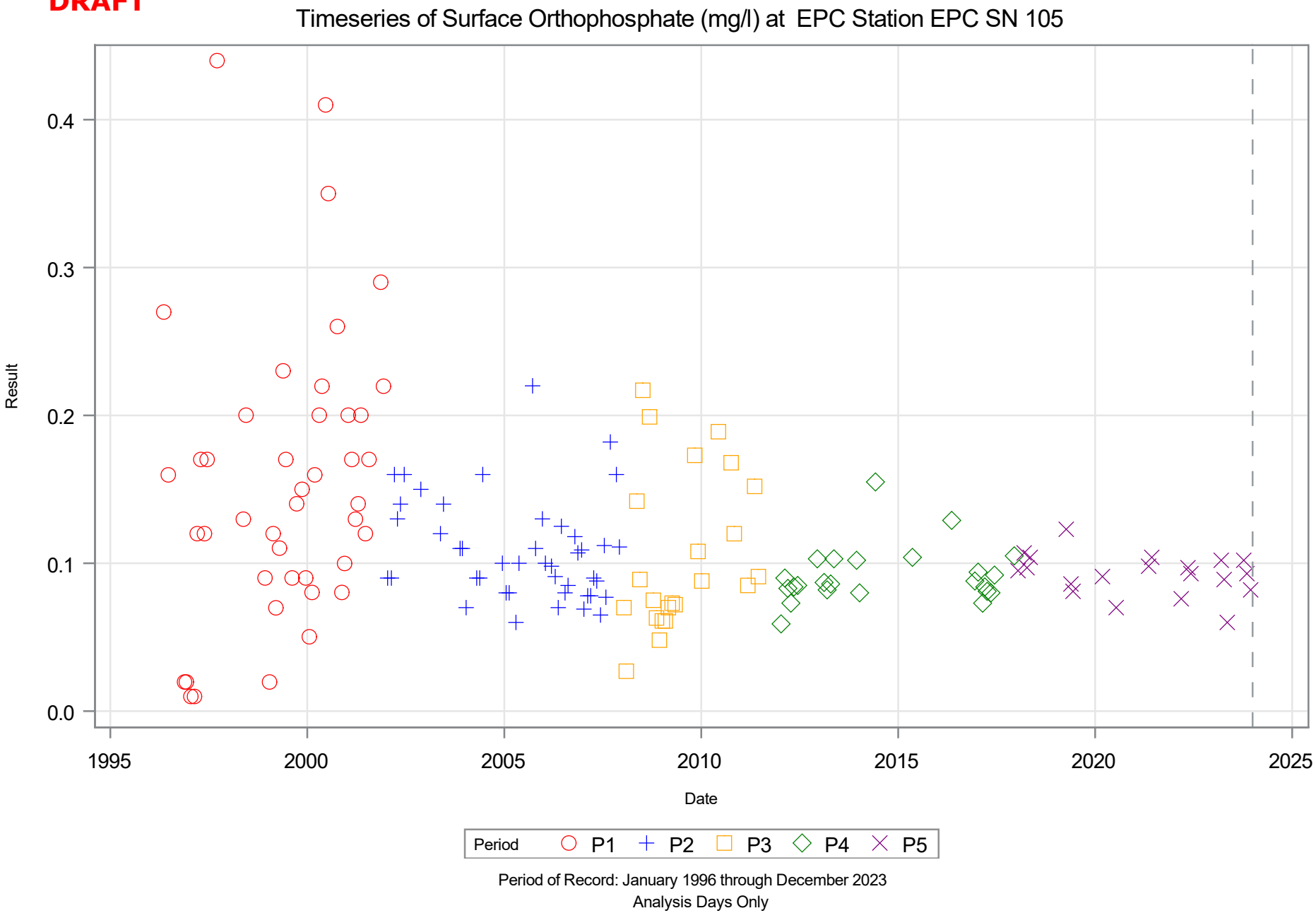
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	172	0.01	0.04	0.15	0.11	0.19	1.40
P3	168	0.01	0.05	0.14	0.10	0.19	1.21
P4	30	0.01	0.04	0.05	0.05	0.06	0.08

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

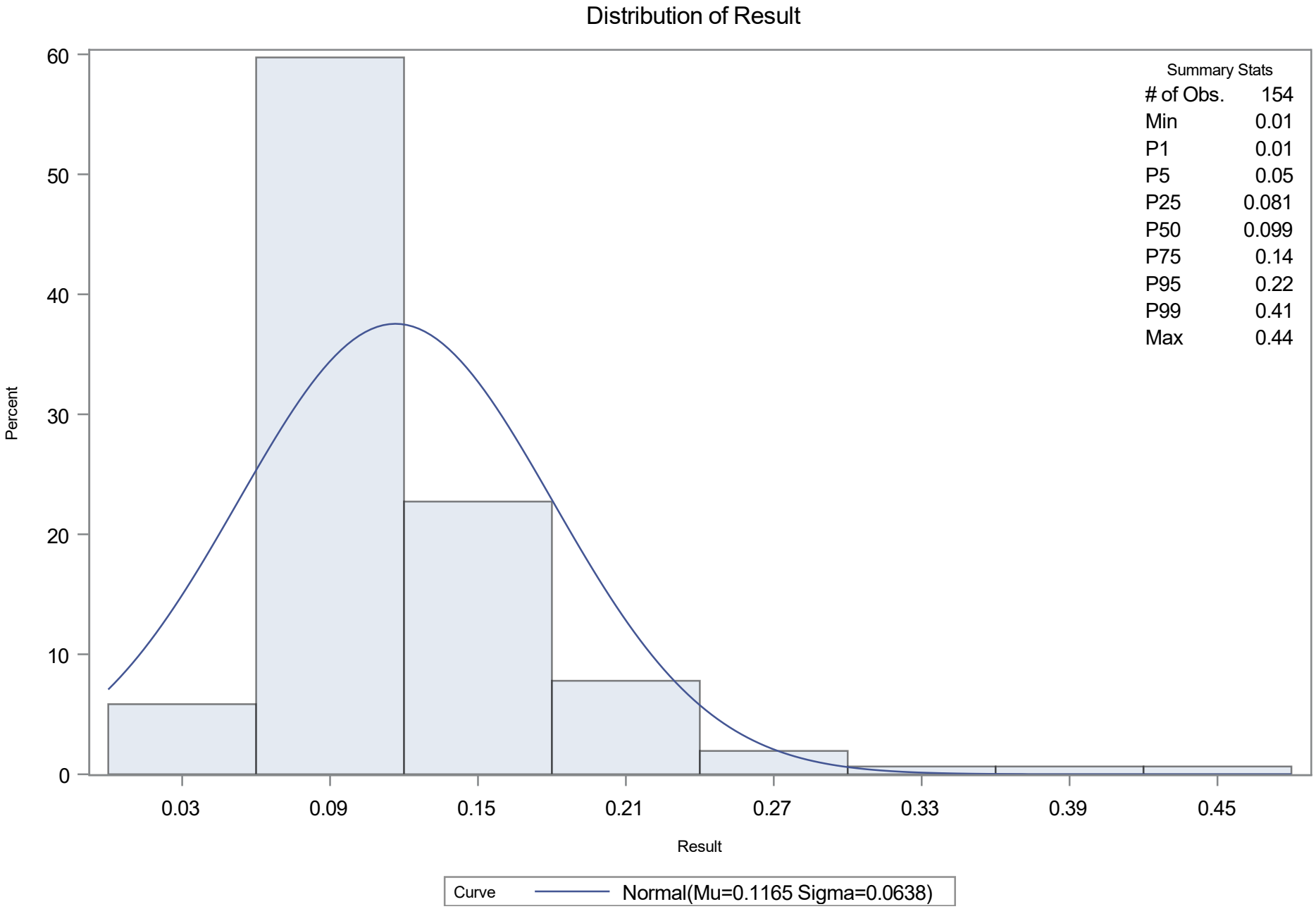

Boxplot by MFL Period for Surface Nitrate-Nitrite (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
1.25
1.00
0.75
0.50
0.25
0.00
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 105
Result
0.0
0.1
0.2
0.3
0.4
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.116532
Std Dev	Sigma	0.063759

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17768670	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.40369312	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.50503140	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-0.03179
5.0	0.05000	0.01166
10.0	0.06900	0.03482
25.0	0.08100	0.07353
50.0	0.09900	0.11653
75.0	0.14000	0.15954
90.0	0.19900	0.19824
95.0	0.22000	0.22141
99.0	0.41000	0.26486

Period of Record: January 1996 through December 2023
Analysis Days Only

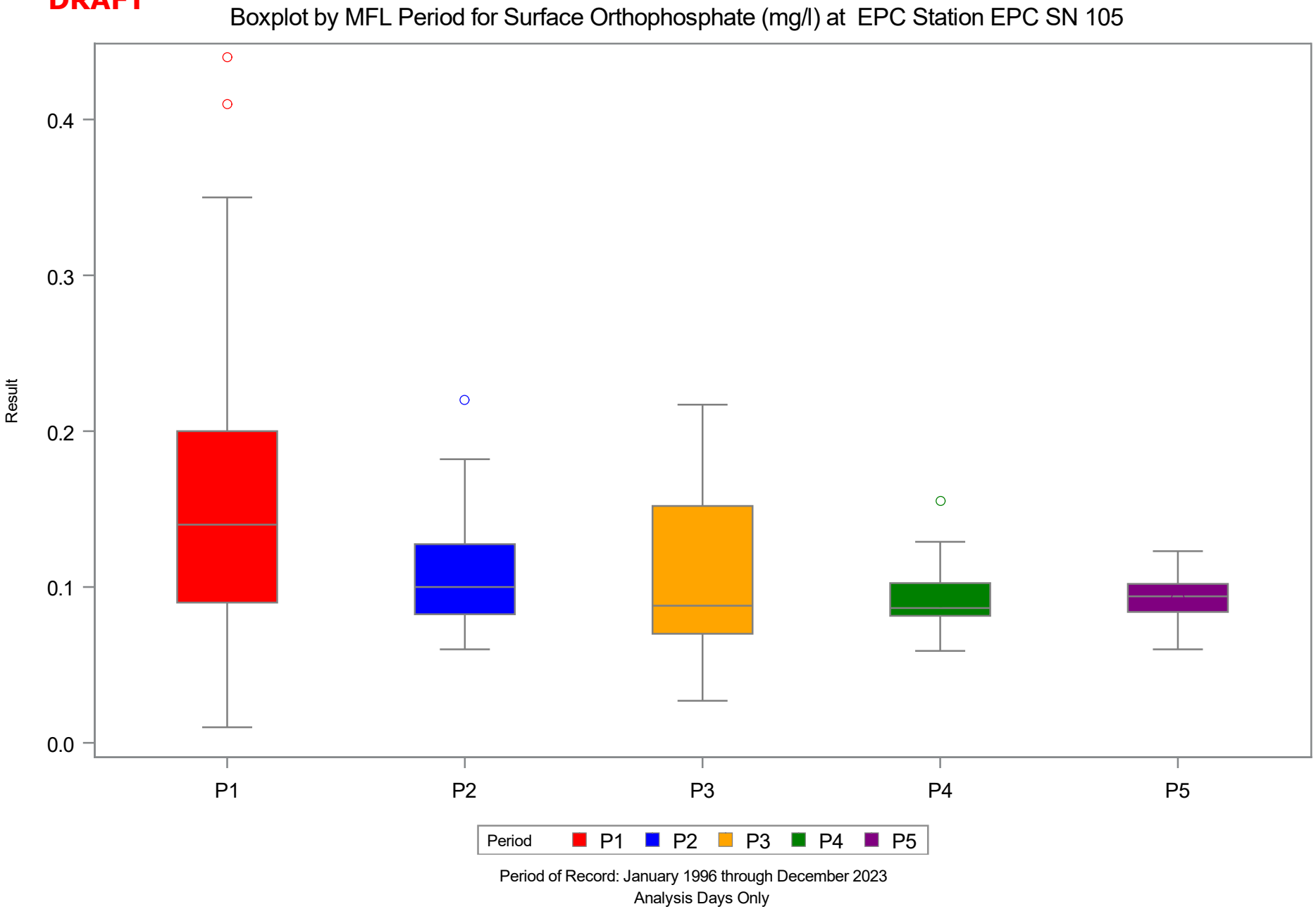
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 105

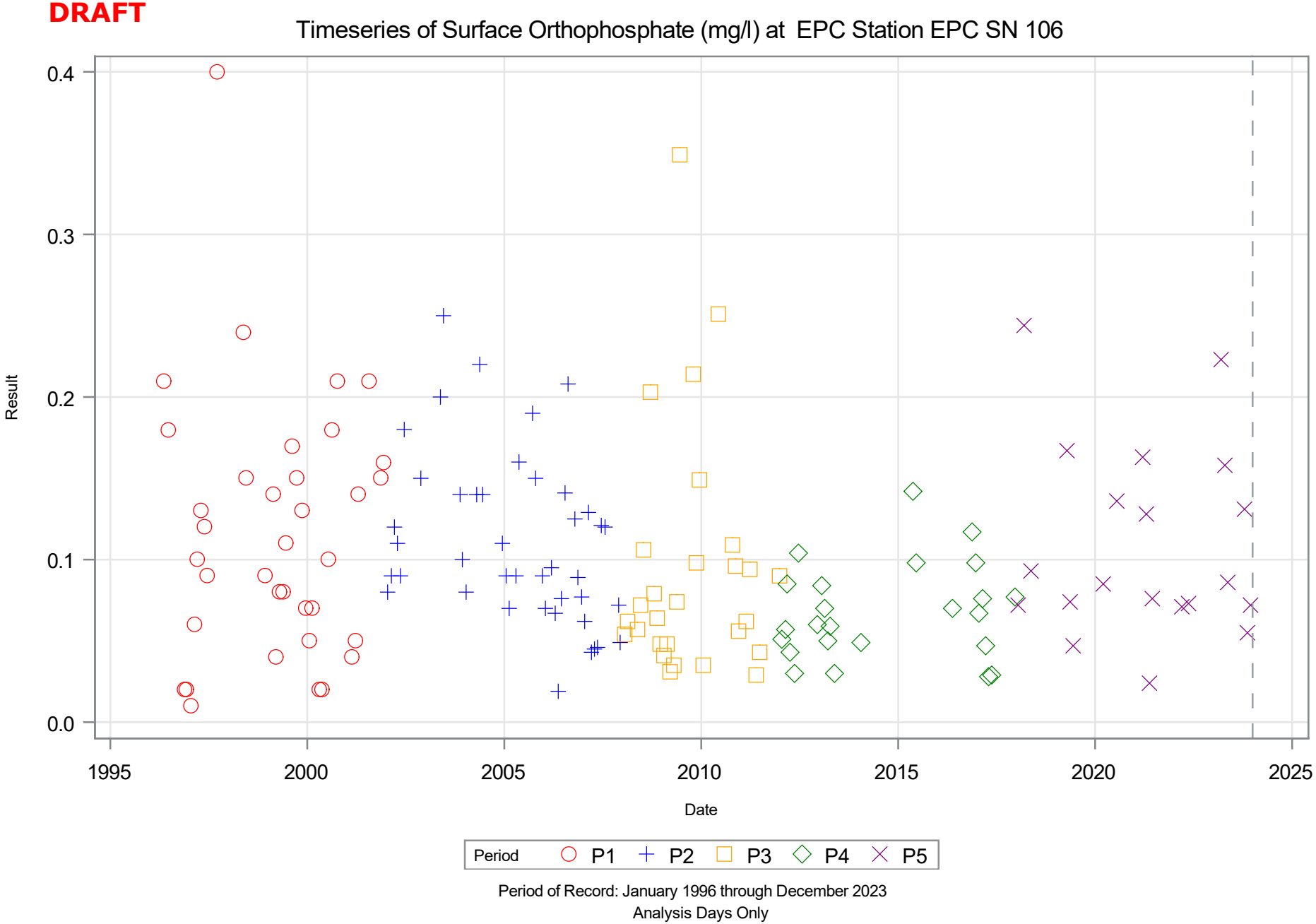
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.01	0.09	0.16	0.14	0.20	0.44
P2	44	0.06	0.08	0.11	0.10	0.13	0.22
P3	23	0.03	0.07	0.11	0.09	0.15	0.22
P4	24	0.06	0.08	0.09	0.09	0.10	0.16
P5	20	0.06	0.08	0.09	0.09	0.10	0.12

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

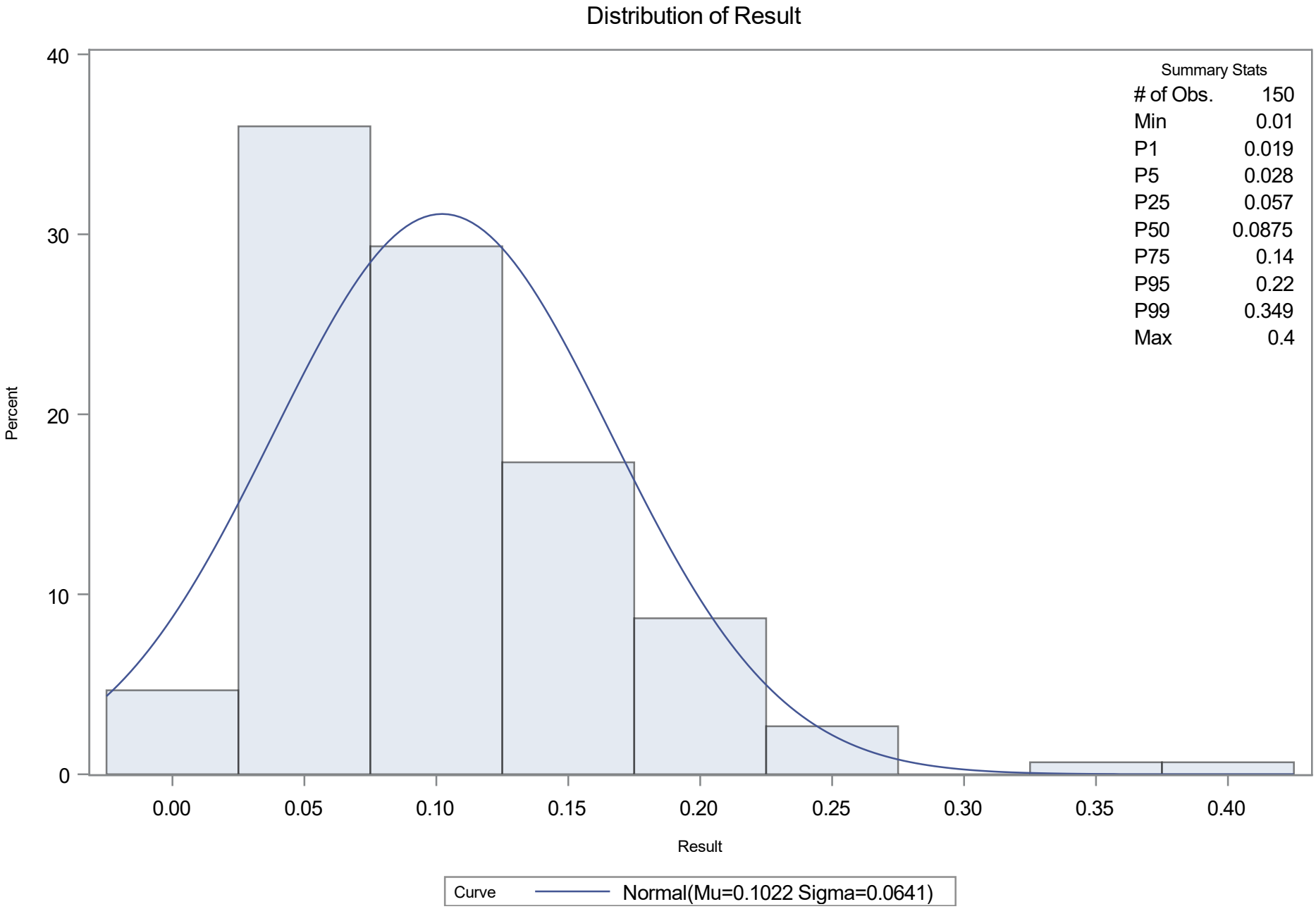

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 105
Result
0.0
0.1
0.2
0.3
0.4
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 106
Result
0.4
0.3
0.2
0.1
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.102213
Std Dev	Sigma	0.064076

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14044426	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.66063970	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.81580516	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01900	-0.04685
5.0	0.02800	-0.00318
10.0	0.03750	0.02010
25.0	0.05700	0.05899
50.0	0.08750	0.10221
75.0	0.14000	0.14543
90.0	0.19500	0.18433
95.0	0.22000	0.20761
99.0	0.34900	0.25128

Period of Record: January 1996 through December 2023
Analysis Days Only

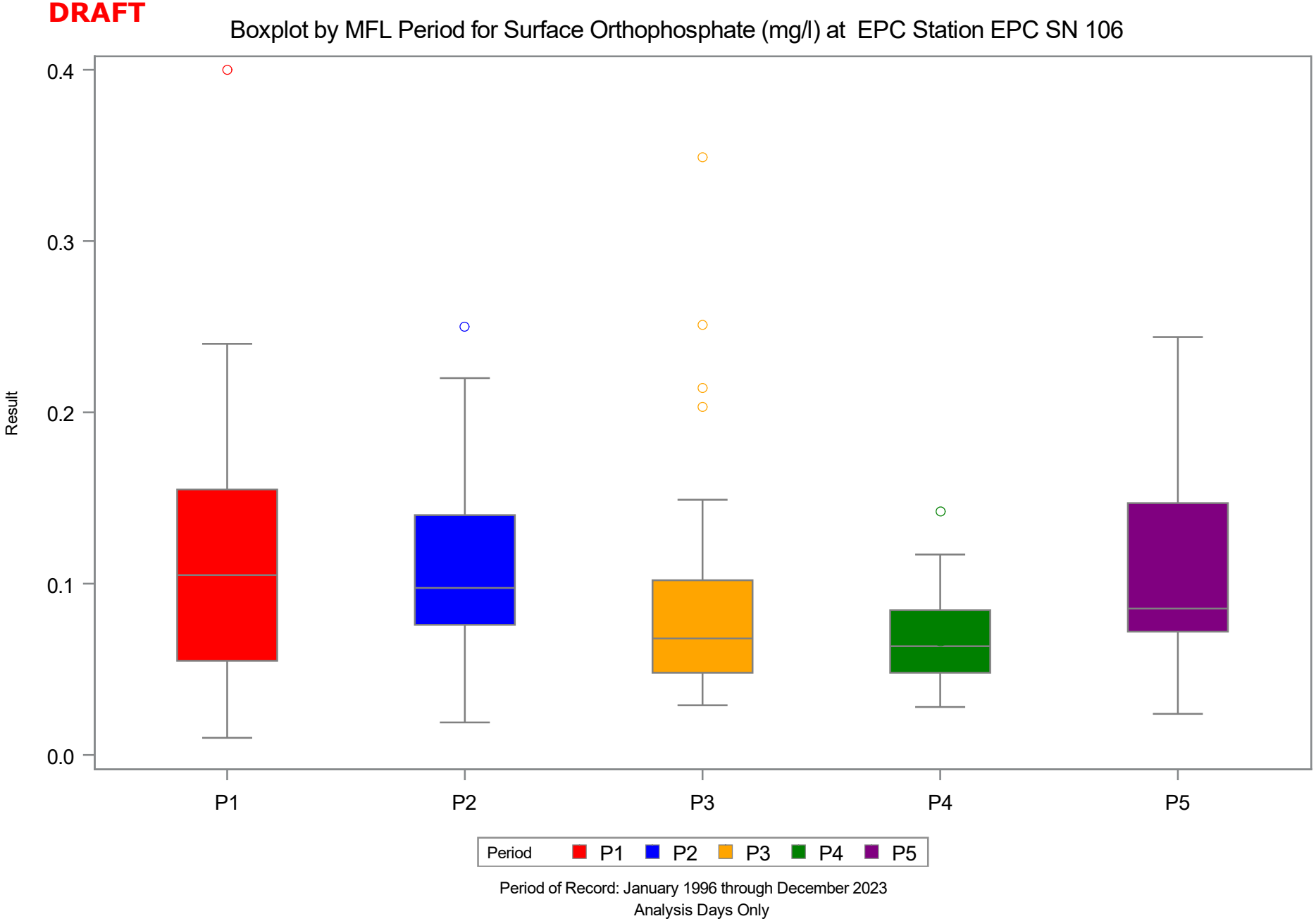
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 106

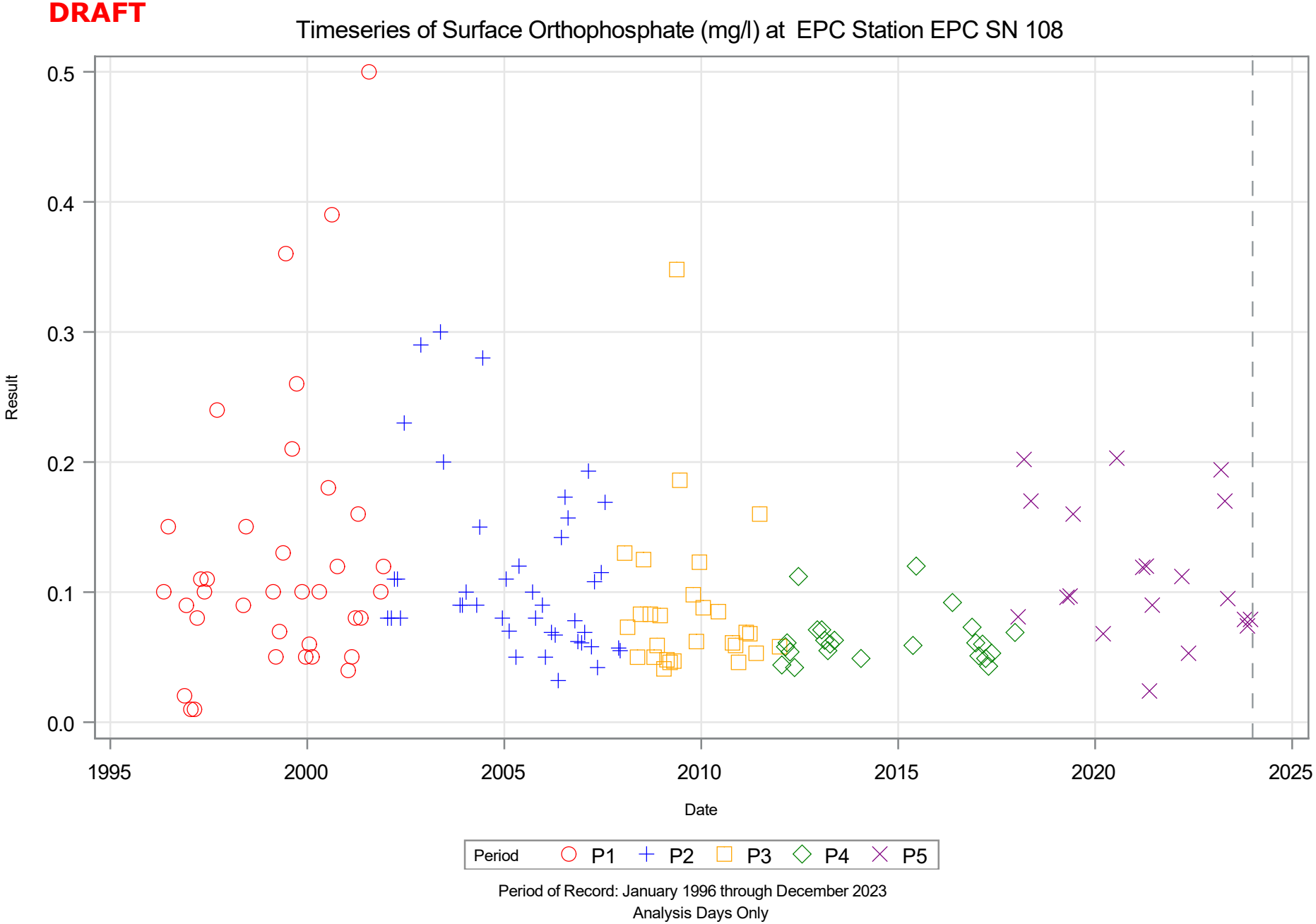
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	36	0.01	0.06	0.12	0.11	0.16	0.40
P2	42	0.02	0.08	0.11	0.10	0.14	0.25
P3	28	0.03	0.05	0.09	0.07	0.10	0.35
P4	24	0.03	0.05	0.07	0.06	0.08	0.14
P5	20	0.02	0.07	0.11	0.09	0.15	0.24

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

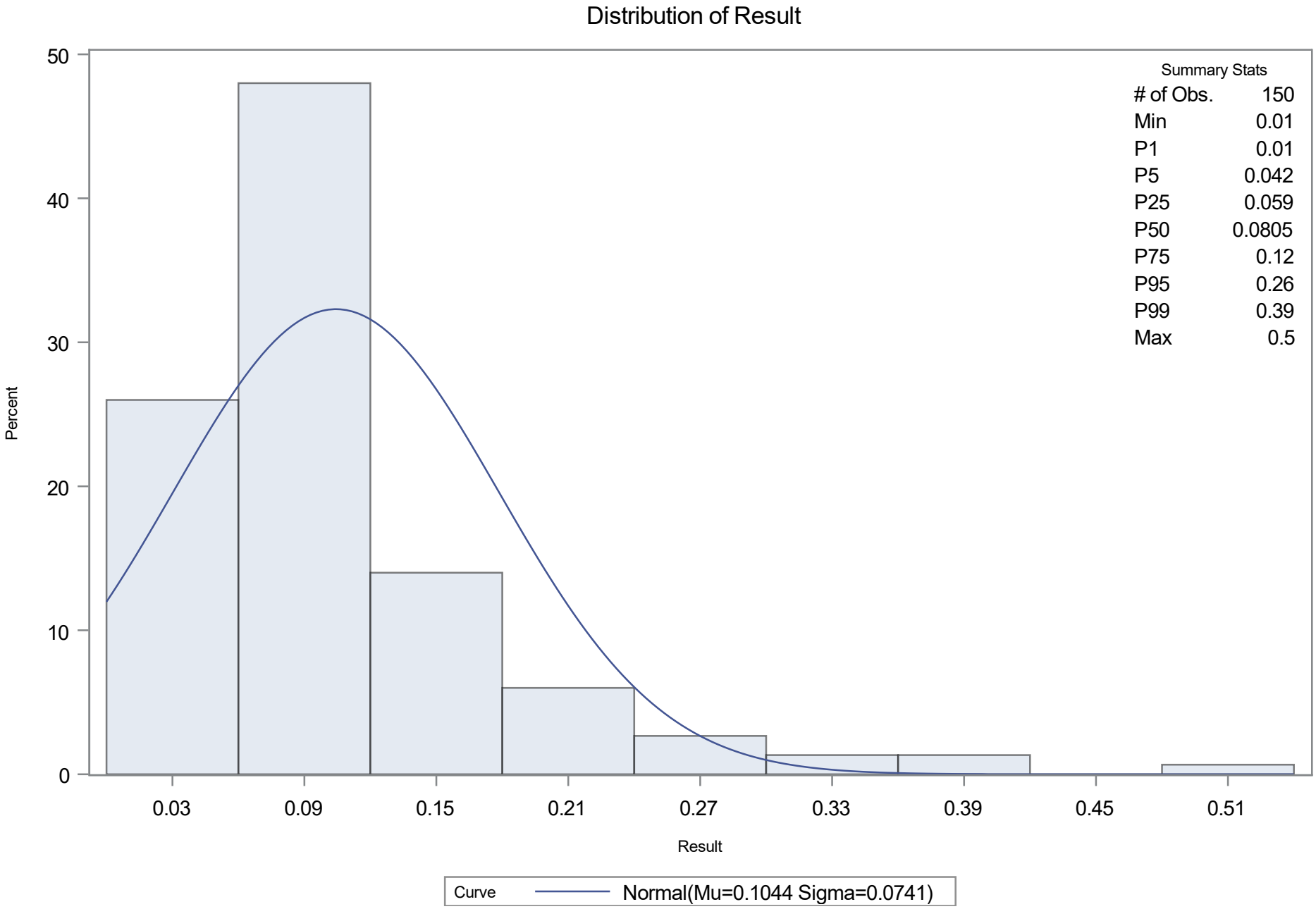

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 106
Result
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 108
Result
0.5
0.4
0.3
0.2
0.1
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.10438
Std Dev	Sigma	0.074101

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19690043	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.75334317	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.71751757	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-0.06801
5.0	0.04200	-0.01751
10.0	0.04850	0.00942
25.0	0.05900	0.05440
50.0	0.08050	0.10438
75.0	0.12000	0.15436
90.0	0.19350	0.19934
95.0	0.26000	0.22627
99.0	0.39000	0.27677

Period of Record: January 1996 through December 2023
Analysis Days Only

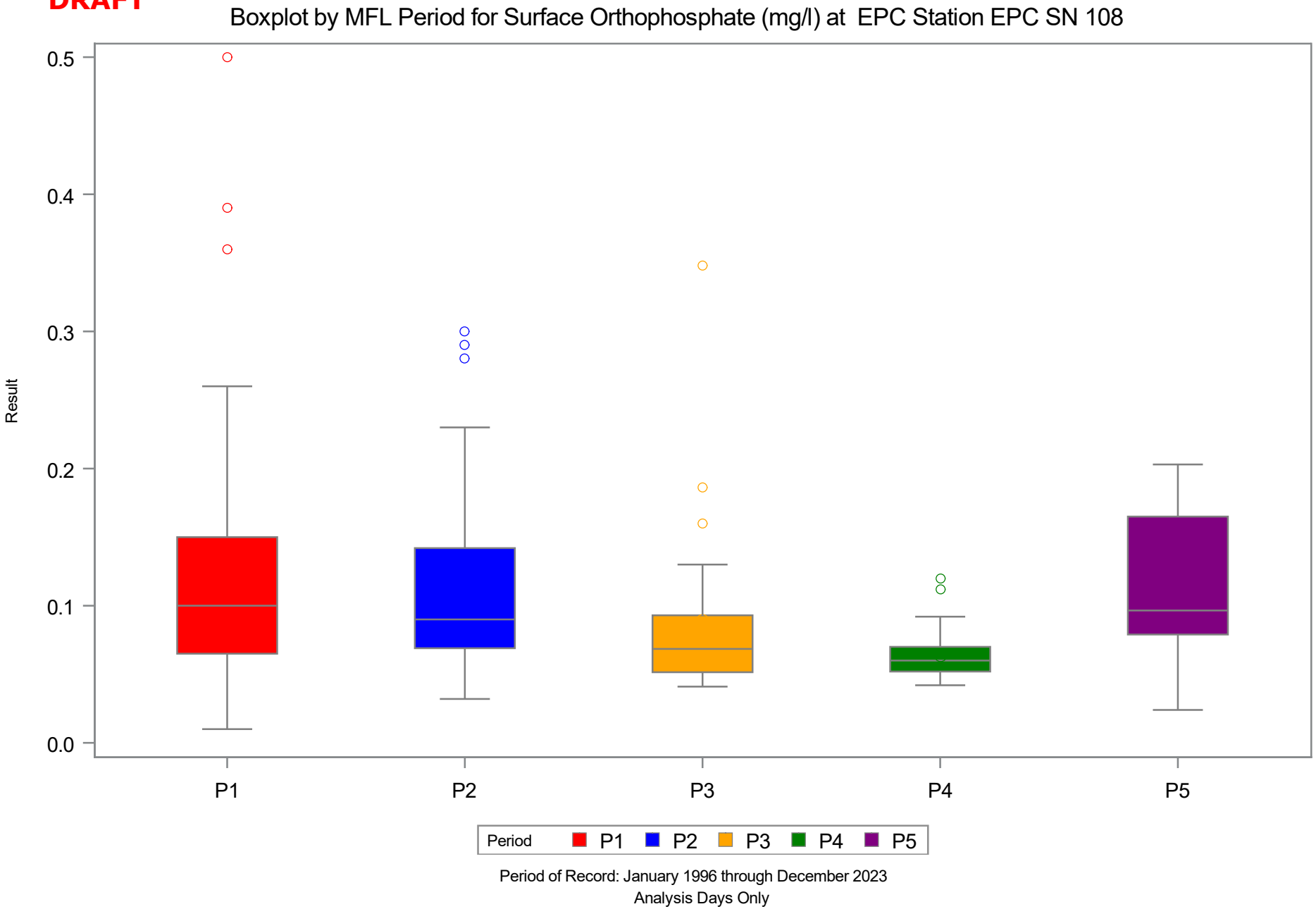
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 108

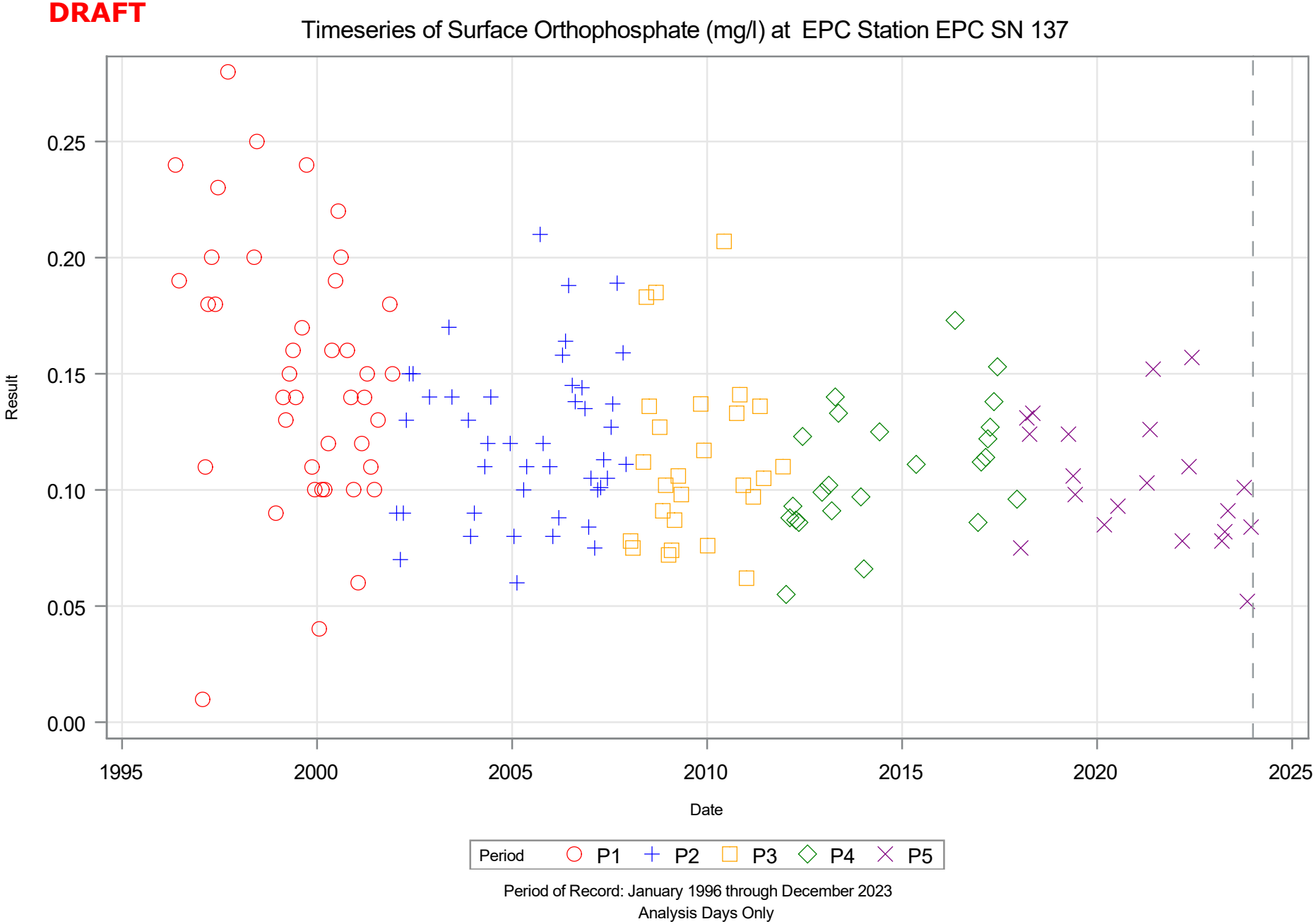
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	36	0.01	0.07	0.13	0.10	0.15	0.50
P2	42	0.03	0.07	0.11	0.09	0.14	0.30
P3	28	0.04	0.05	0.09	0.07	0.09	0.35
P4	24	0.04	0.05	0.06	0.06	0.07	0.12
P5	20	0.02	0.08	0.11	0.10	0.17	0.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

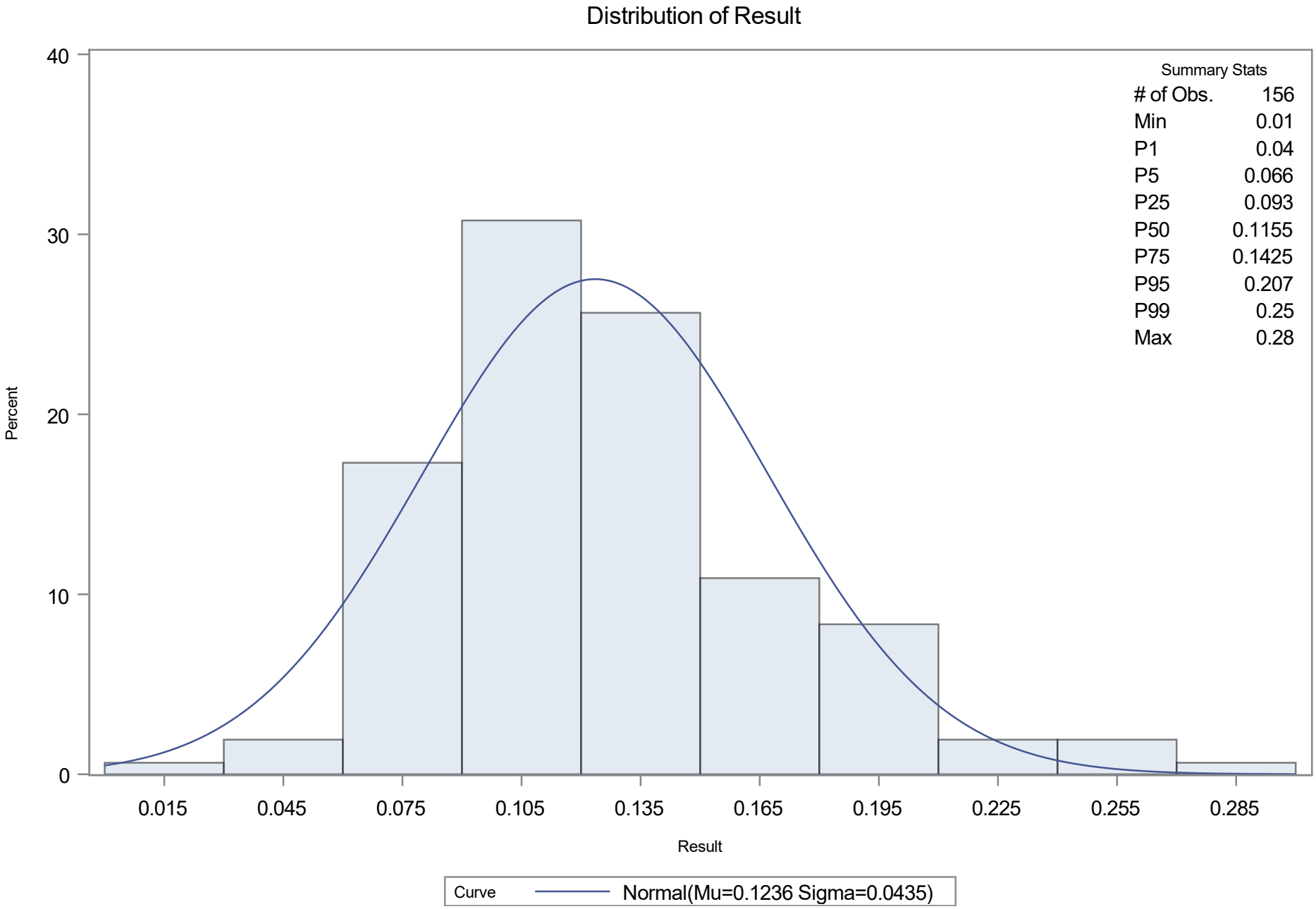

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 108
Result
0.5
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 137
Result
0.25
0.20
0.15
0.10
0.05
0.00
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.123558
Std Dev	Sigma	0.043505

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09632572	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33488186	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.04285764	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.04000	0.02235
5.0	0.06600	0.05200
10.0	0.07800	0.06780
25.0	0.09300	0.09421
50.0	0.11550	0.12356
75.0	0.14250	0.15290
90.0	0.18500	0.17931
95.0	0.20700	0.19512
99.0	0.25000	0.22476

Period of Record: January 1996 through December 2023
Analysis Days Only

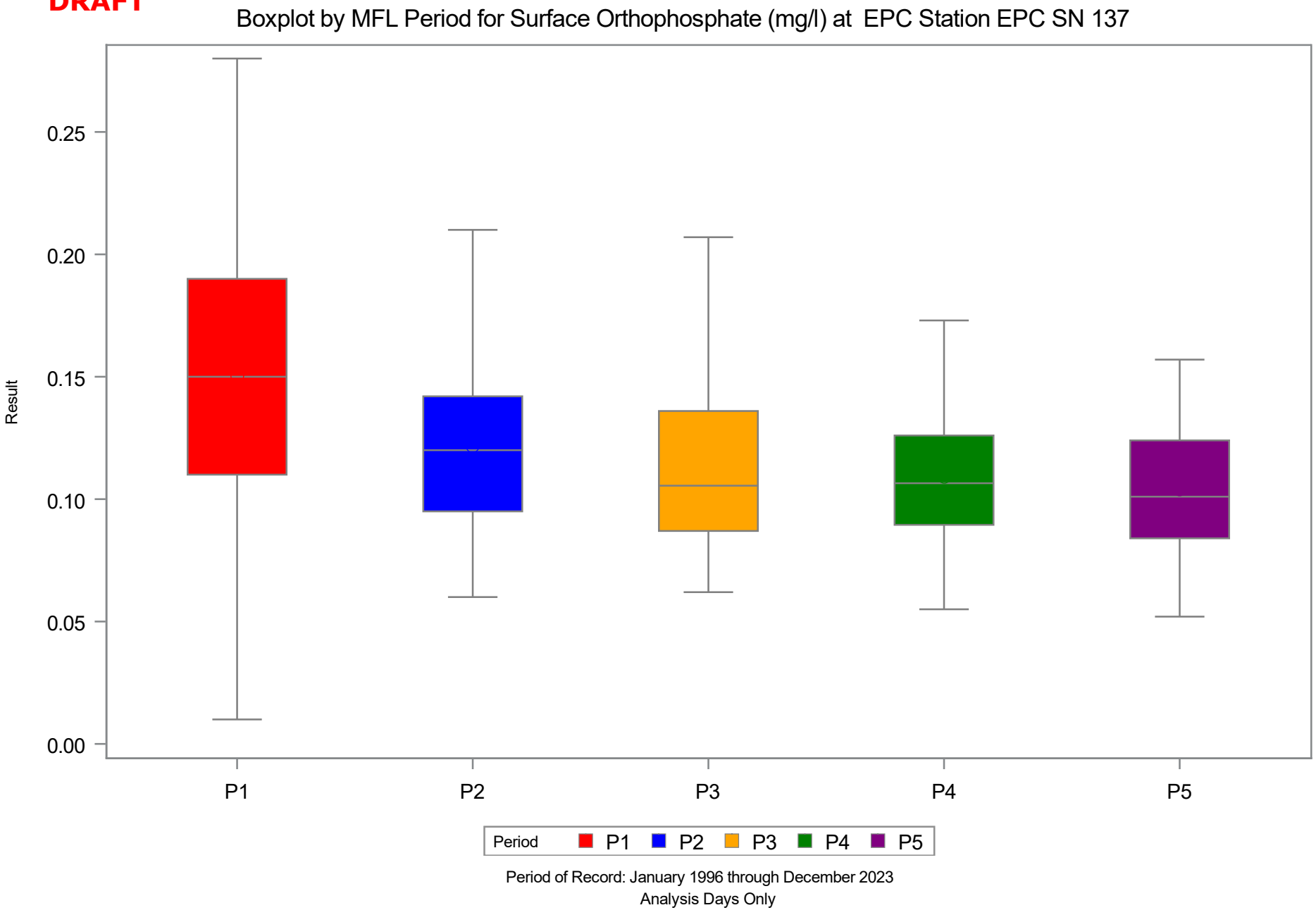
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 137

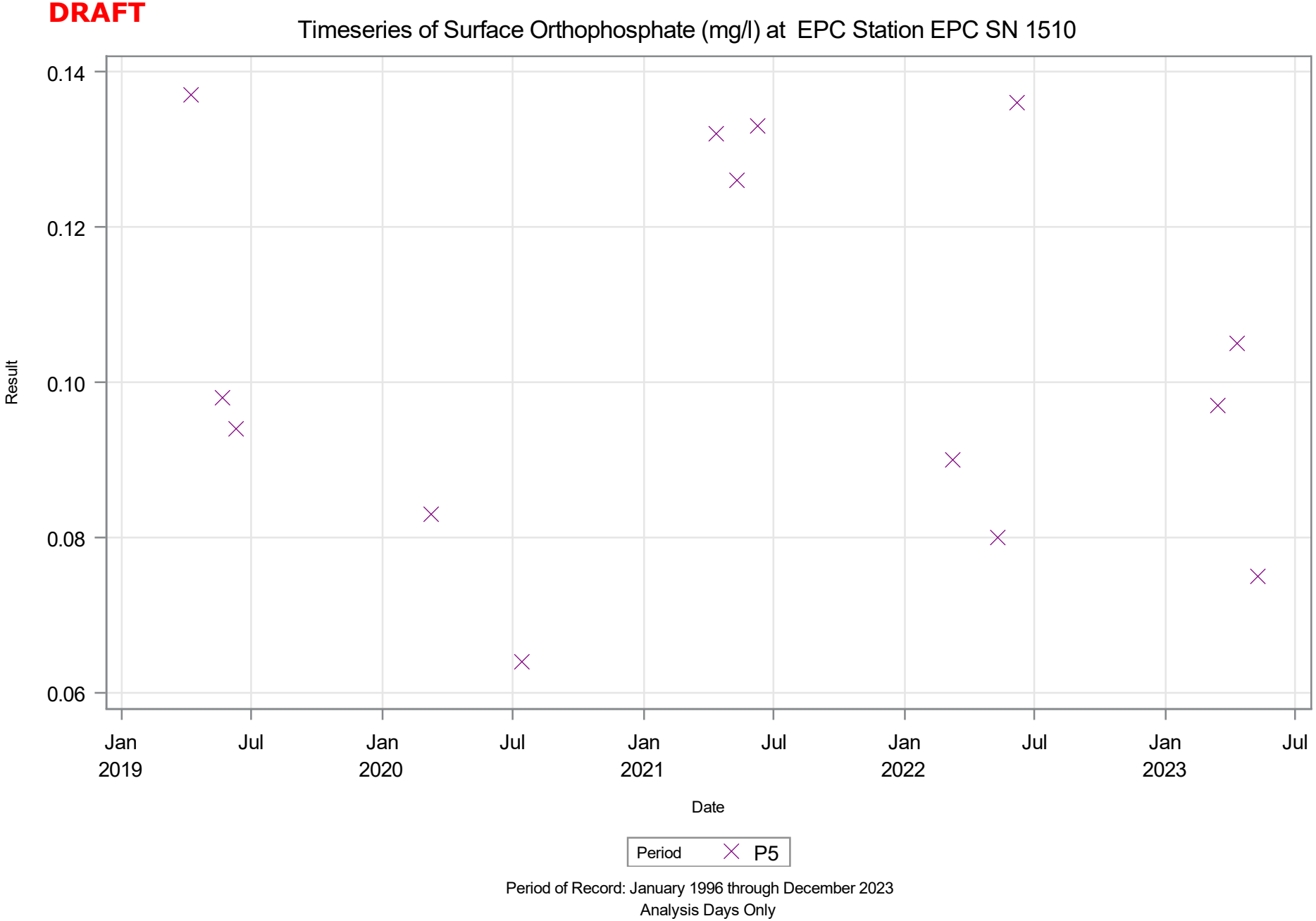
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	41	0.01	0.11	0.15	0.15	0.19	0.28
P2	44	0.06	0.10	0.12	0.12	0.14	0.21
P3	26	0.06	0.09	0.11	0.11	0.14	0.21
P4	24	0.06	0.09	0.11	0.11	0.13	0.17
P5	21	0.05	0.08	0.10	0.10	0.12	0.16

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

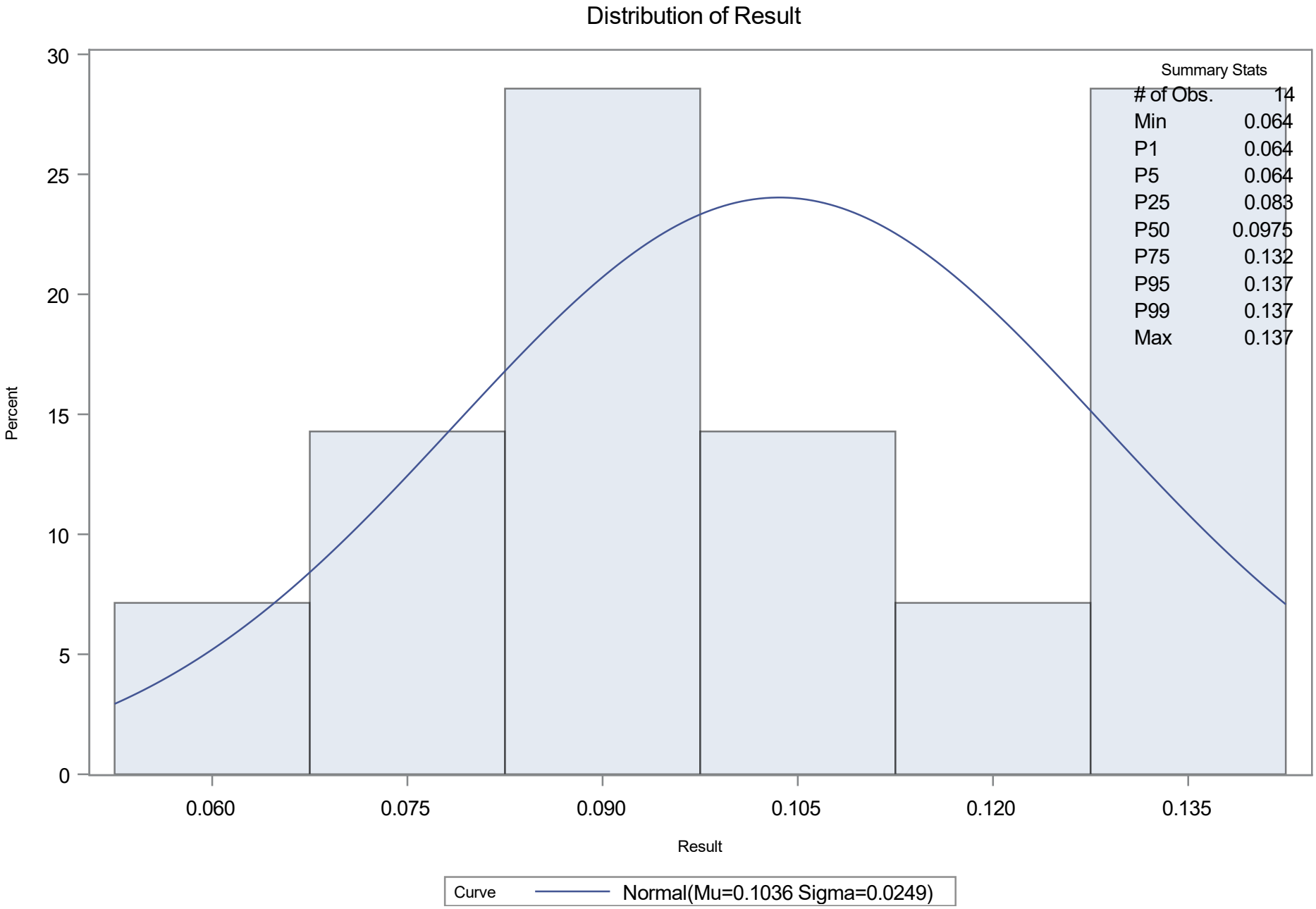

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 137
Result
0.25
0.20
0.15
0.10
0.05
0.00
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 1510
Result
0.14
0.12
0.10
0.08
0.06
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.103571
Std Dev	Sigma	0.024899

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17329154	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07940481	**Pr > W-Sq**	0.202
Anderson-Darling	**A-Sq**	0.50241417	**Pr > A-Sq**	0.178

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06400	0.04565
5.0	0.06400	0.06262
10.0	0.07500	0.07166
25.0	0.08300	0.08678
50.0	0.09750	0.10357
75.0	0.13200	0.12037
90.0	0.13600	0.13548
95.0	0.13700	0.14453
99.0	0.13700	0.16149

Period of Record: January 1996 through December 2023
Analysis Days Only

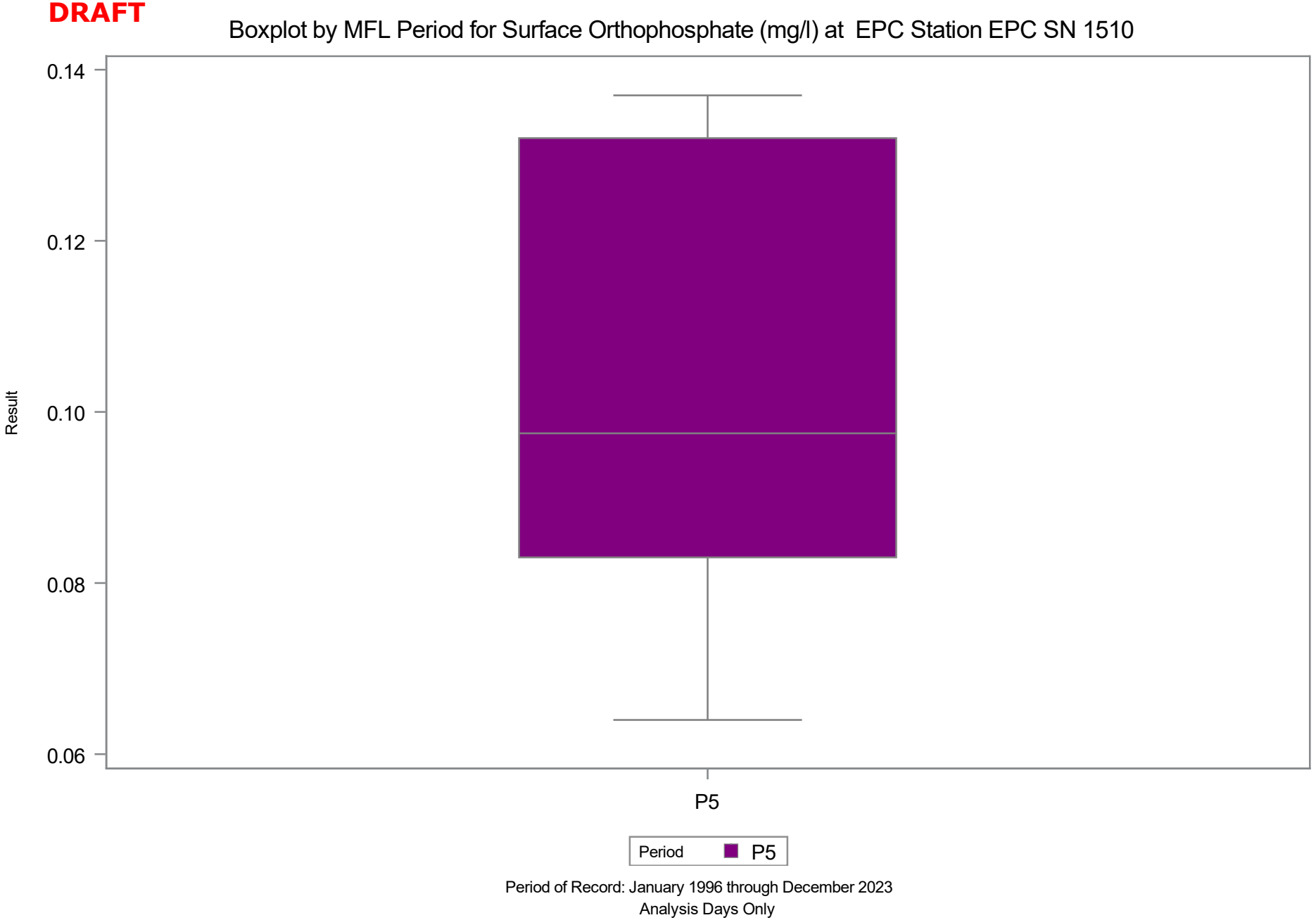
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 1510

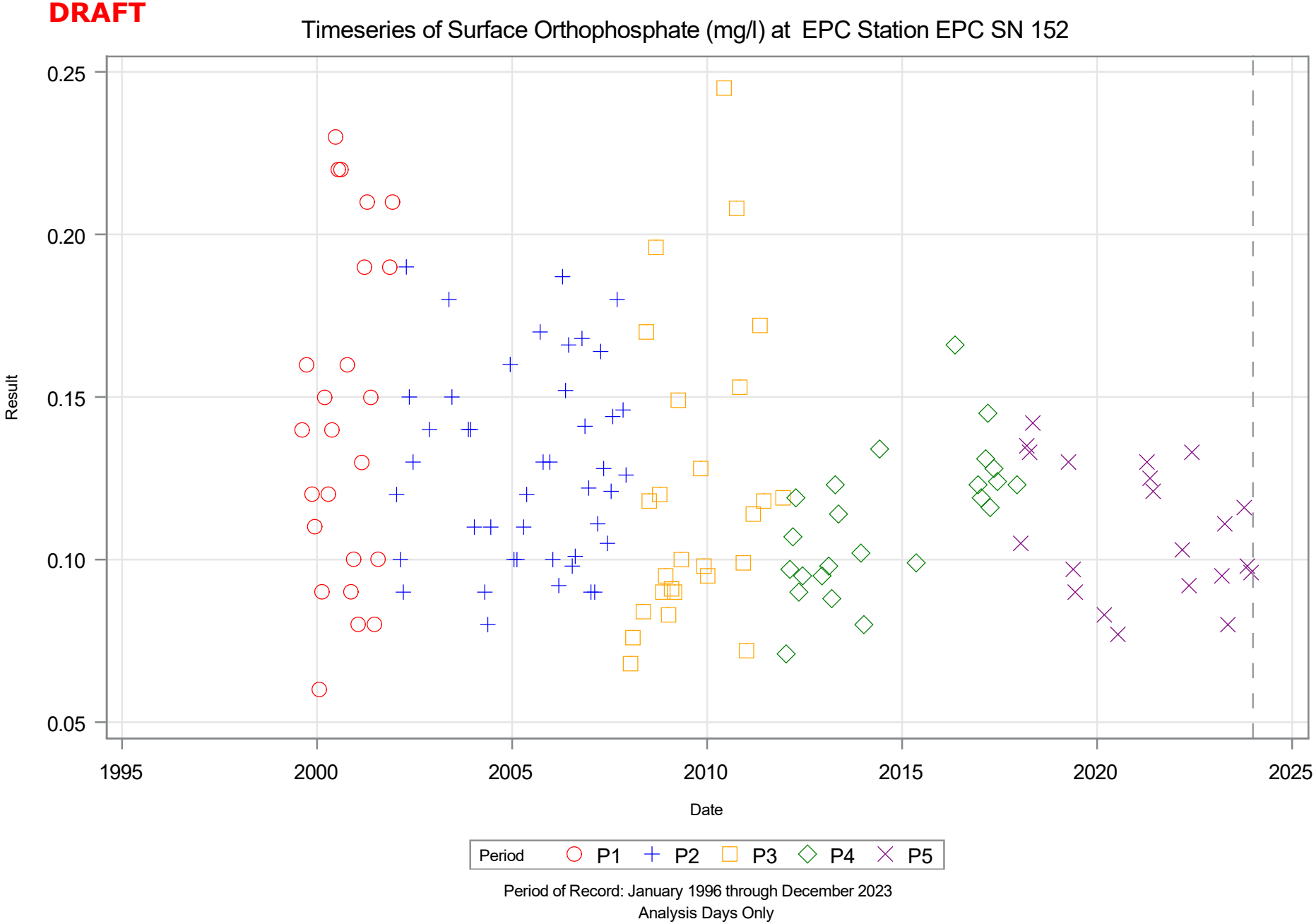
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	0.06	0.08	0.10	0.10	0.13	0.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

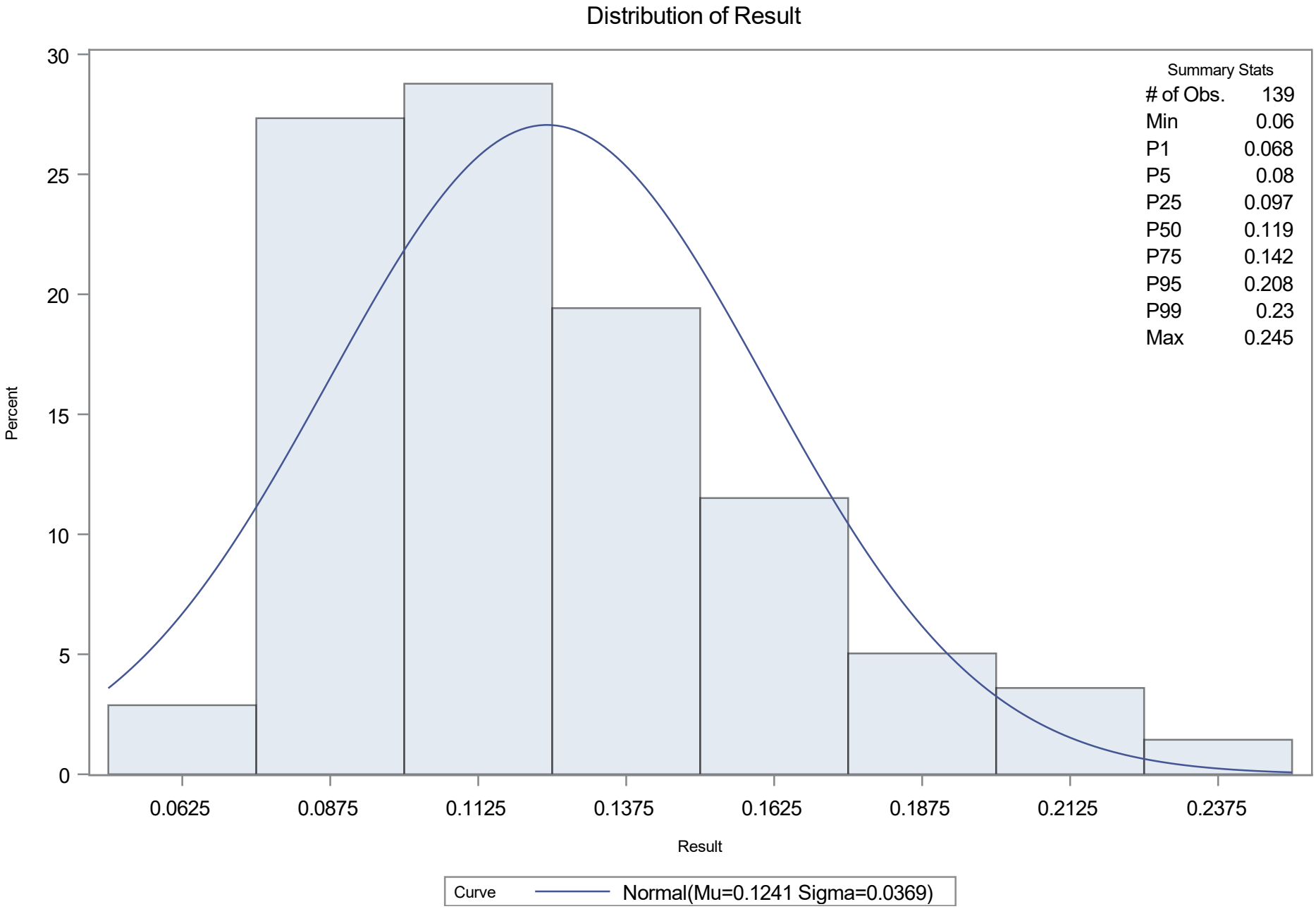

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 1510
0.14
0.12
0.10
0.08
0.06
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 152
Result
0.25
0.20
0.15
0.10
0.05
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.124115
Std Dev	Sigma	0.036861

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10564228	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.43260692	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.74618713	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06800	0.03836
5.0	0.08000	0.06348
10.0	0.08400	0.07688
25.0	0.09700	0.09925
50.0	0.11900	0.12412
75.0	0.14200	0.14898
90.0	0.18000	0.17135
95.0	0.20800	0.18475
99.0	0.23000	0.20987

Period of Record: January 1996 through December 2023
Analysis Days Only

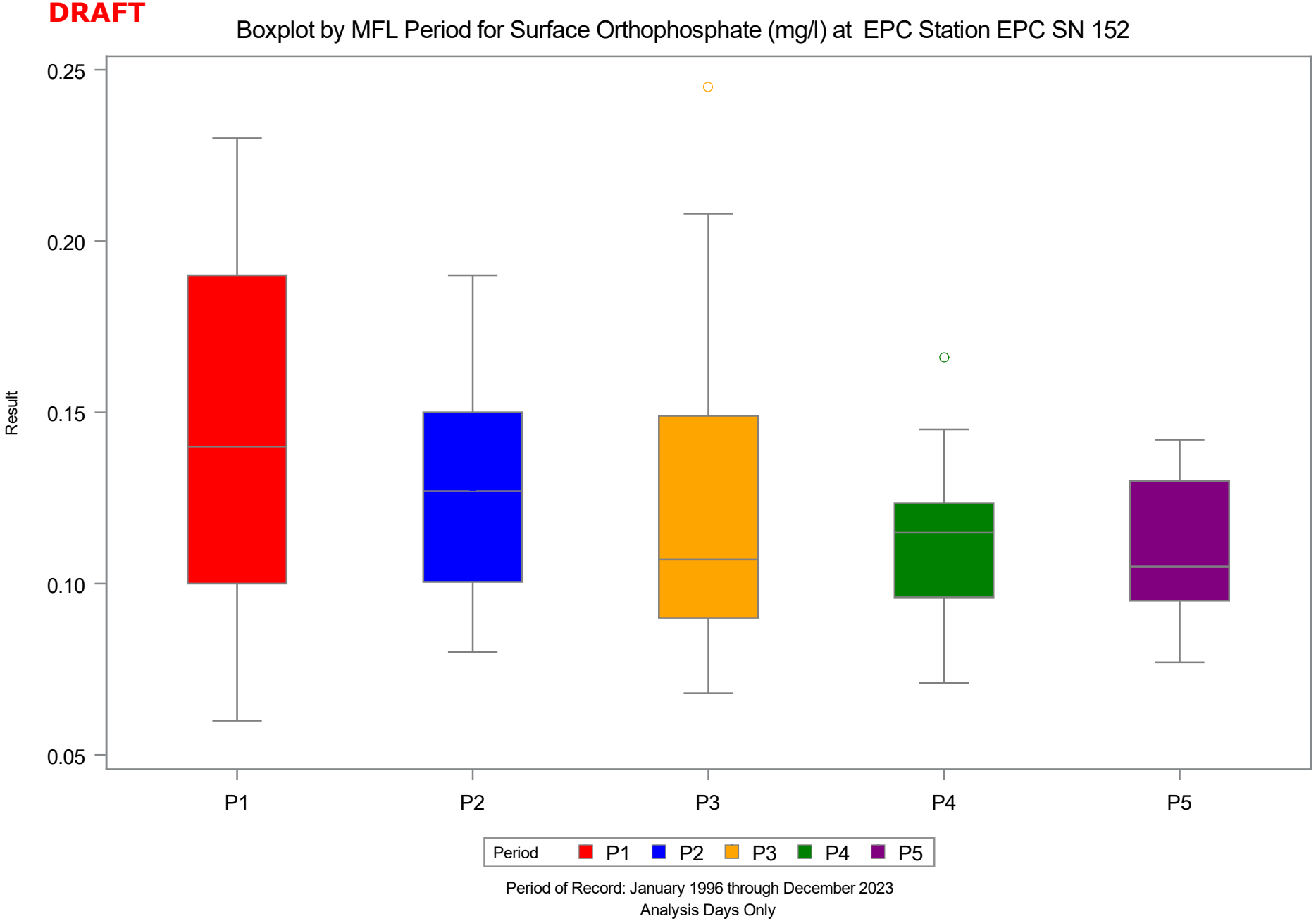
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 152

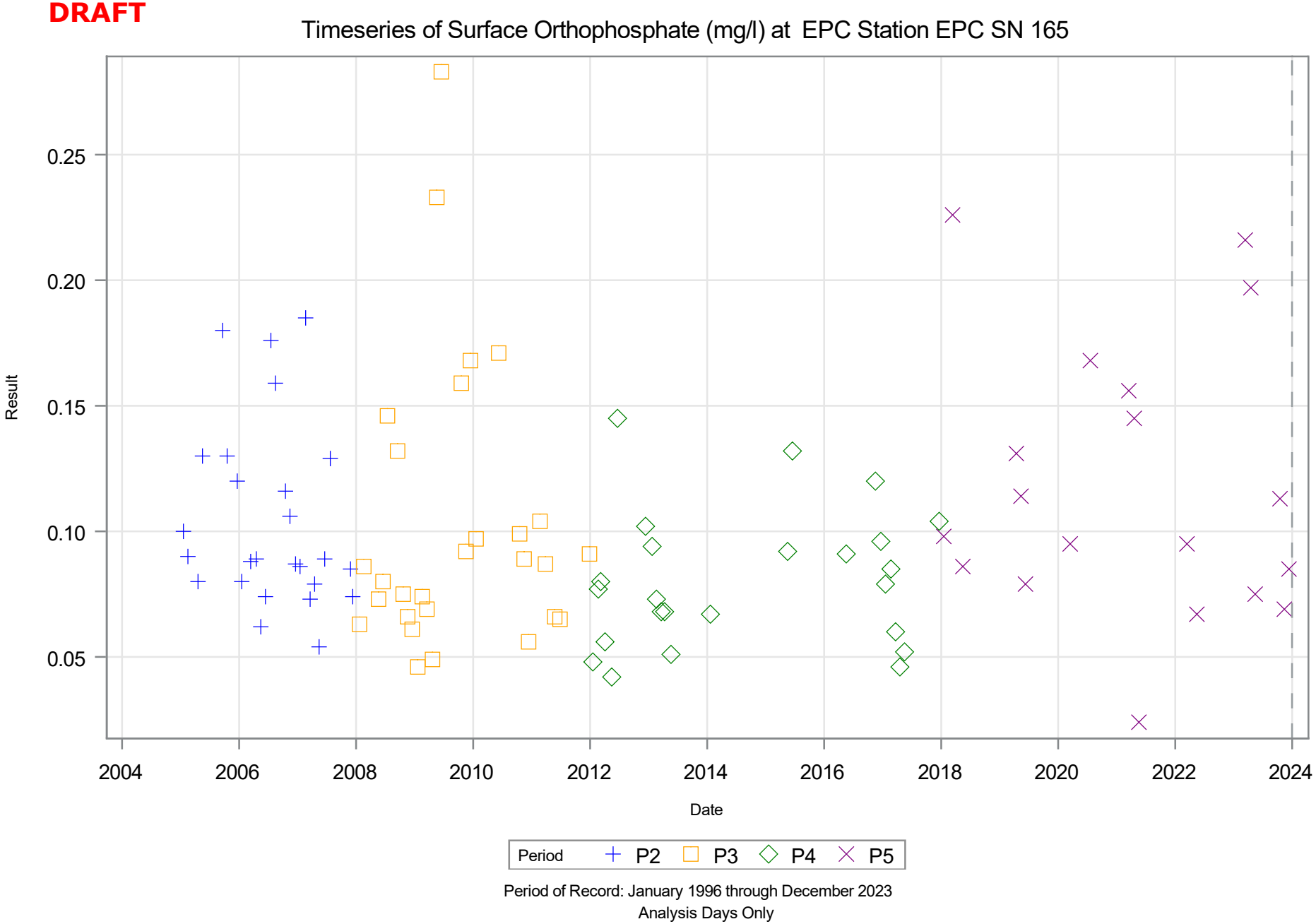
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	0.06	0.10	0.14	0.14	0.19	0.23
P2	44	0.08	0.10	0.13	0.13	0.15	0.19
P3	26	0.07	0.09	0.12	0.11	0.15	0.25
P4	24	0.07	0.10	0.11	0.12	0.12	0.17
P5	21	0.08	0.10	0.11	0.11	0.13	0.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

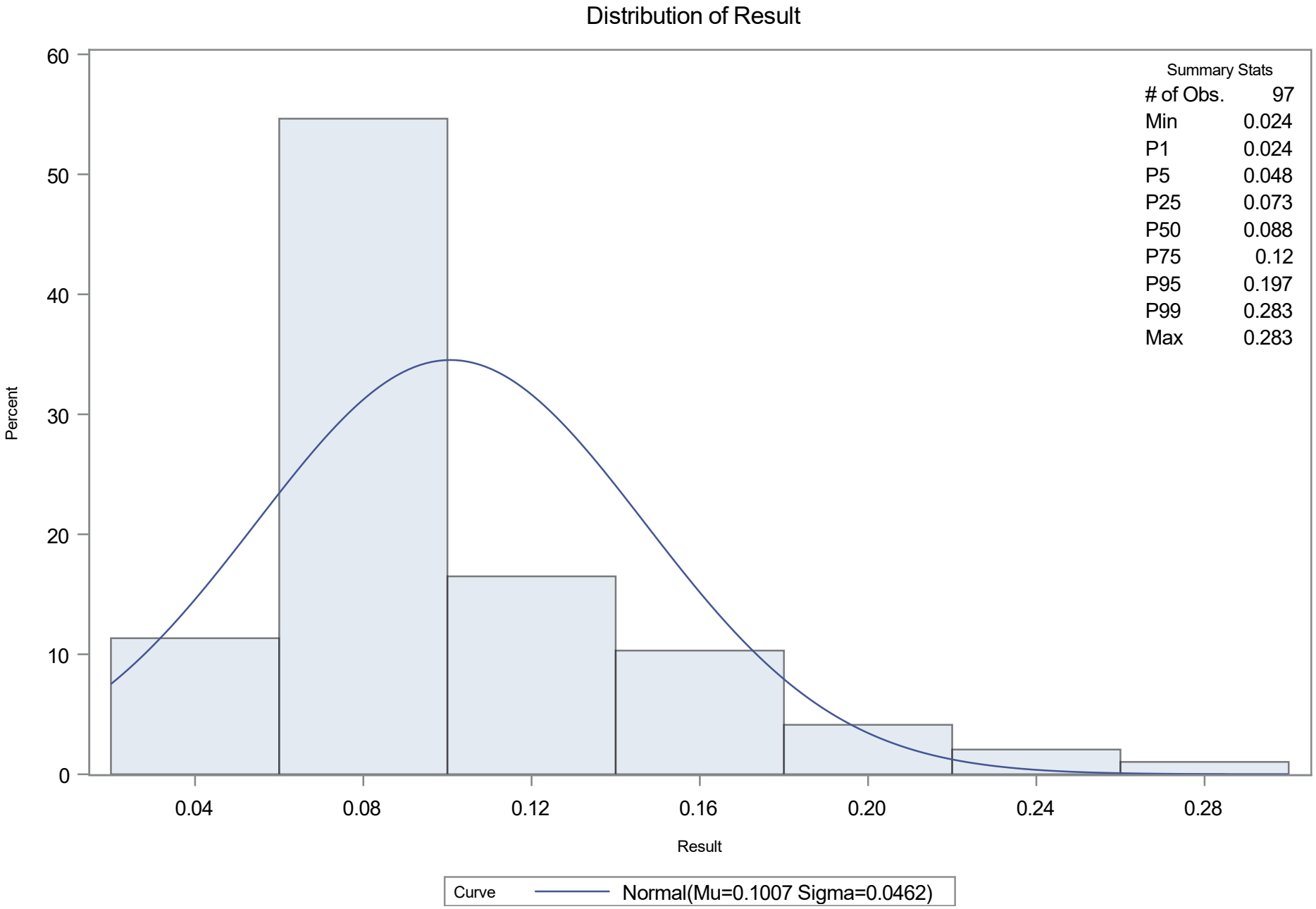

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 152
Result
0.25
0.20
0.15
0.10
0.05
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 165
Result
0.25
0.20
0.15
0.10
0.05
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.100701
Std Dev	Sigma	0.046221

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17615366	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.72423114	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.86685352	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.02400	-0.00682
5.0	0.04800	0.02468
10.0	0.05600	0.04147
25.0	0.07300	0.06953
50.0	0.08800	0.10070
75.0	0.12000	0.13188
90.0	0.16800	0.15994
95.0	0.19700	0.17673
99.0	0.28300	0.20823

Period of Record: January 1996 through December 2023
Analysis Days Only

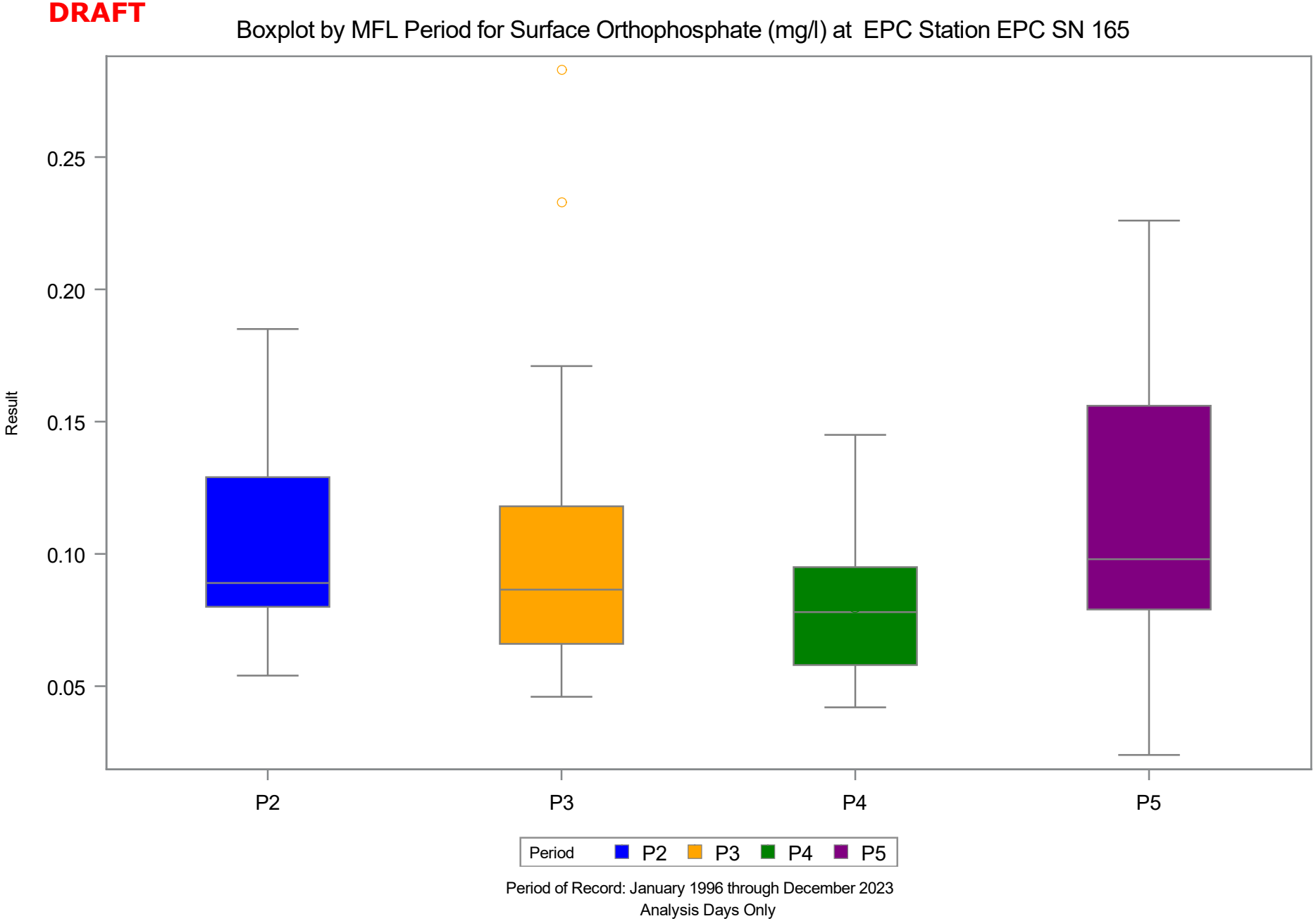
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 165

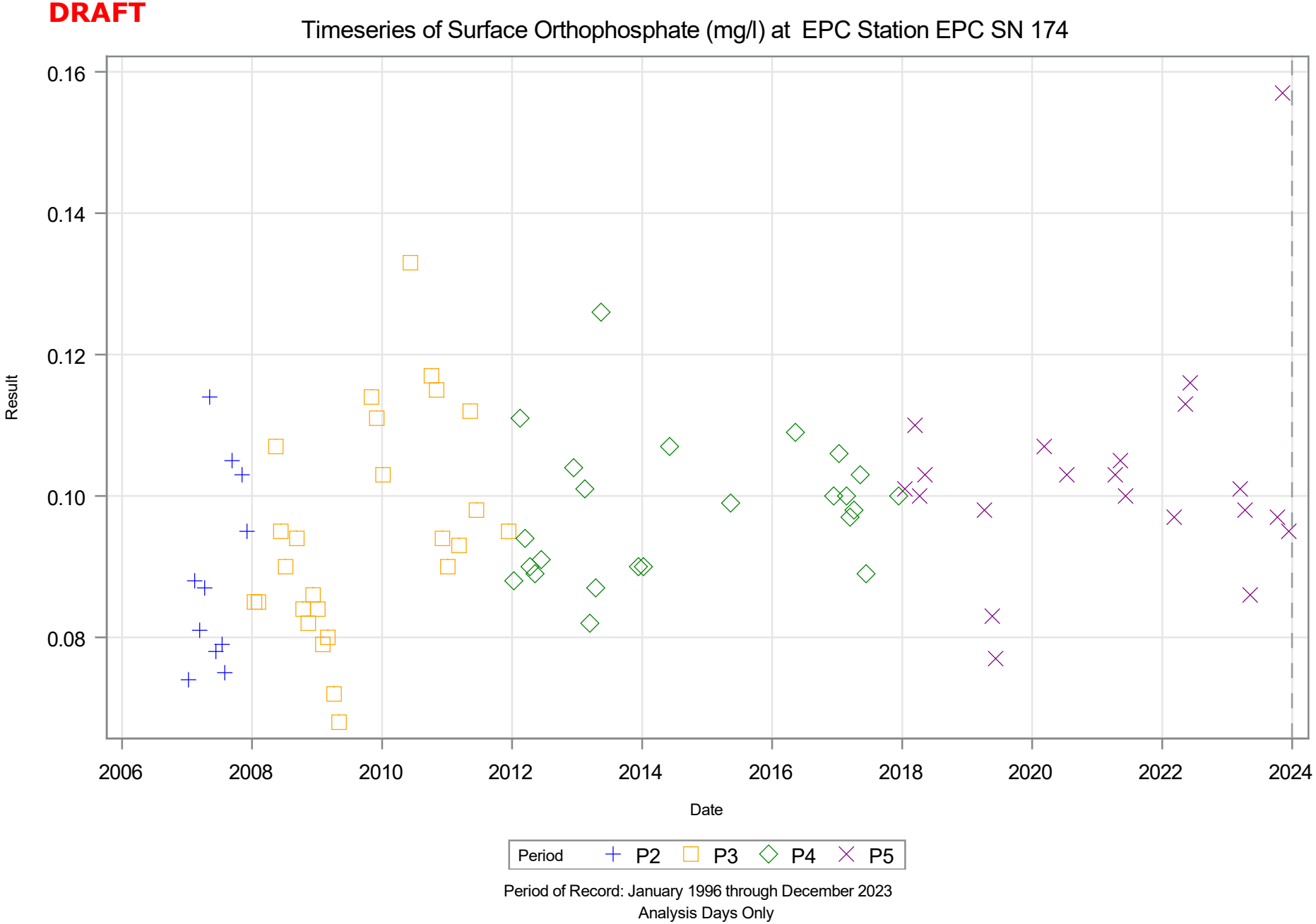
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	0.05	0.08	0.10	0.09	0.13	0.19
P3	28	0.05	0.07	0.10	0.09	0.12	0.28
P4	24	0.04	0.06	0.08	0.08	0.10	0.15
P5	19	0.02	0.08	0.12	0.10	0.16	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

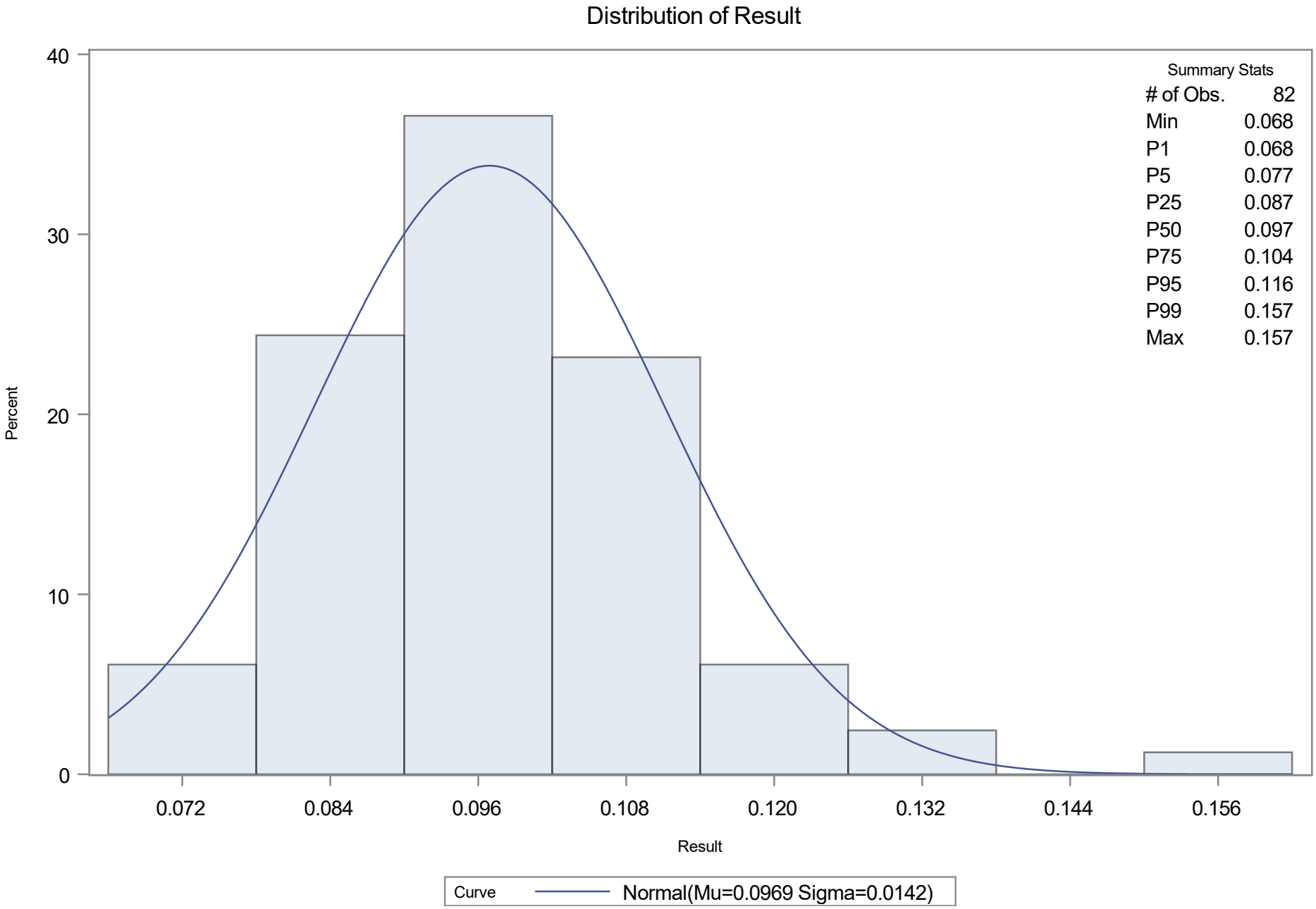

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 165
Result
0.25
0.20
0.15
0.10
0.05
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 174
Result
0.16
0.14
0.12
0.10
0.08
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.096902
Std Dev	Sigma	0.014158

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07725725	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06270115	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.51552060	**Pr > A-Sq**	0.195

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06800	0.06397
5.0	0.07700	0.07361
10.0	0.08000	0.07876
25.0	0.08700	0.08735
50.0	0.09700	0.09690
75.0	0.10400	0.10645
90.0	0.11300	0.11505
95.0	0.11600	0.12019
99.0	0.15700	0.12984

Period of Record: January 1996 through December 2023
Analysis Days Only

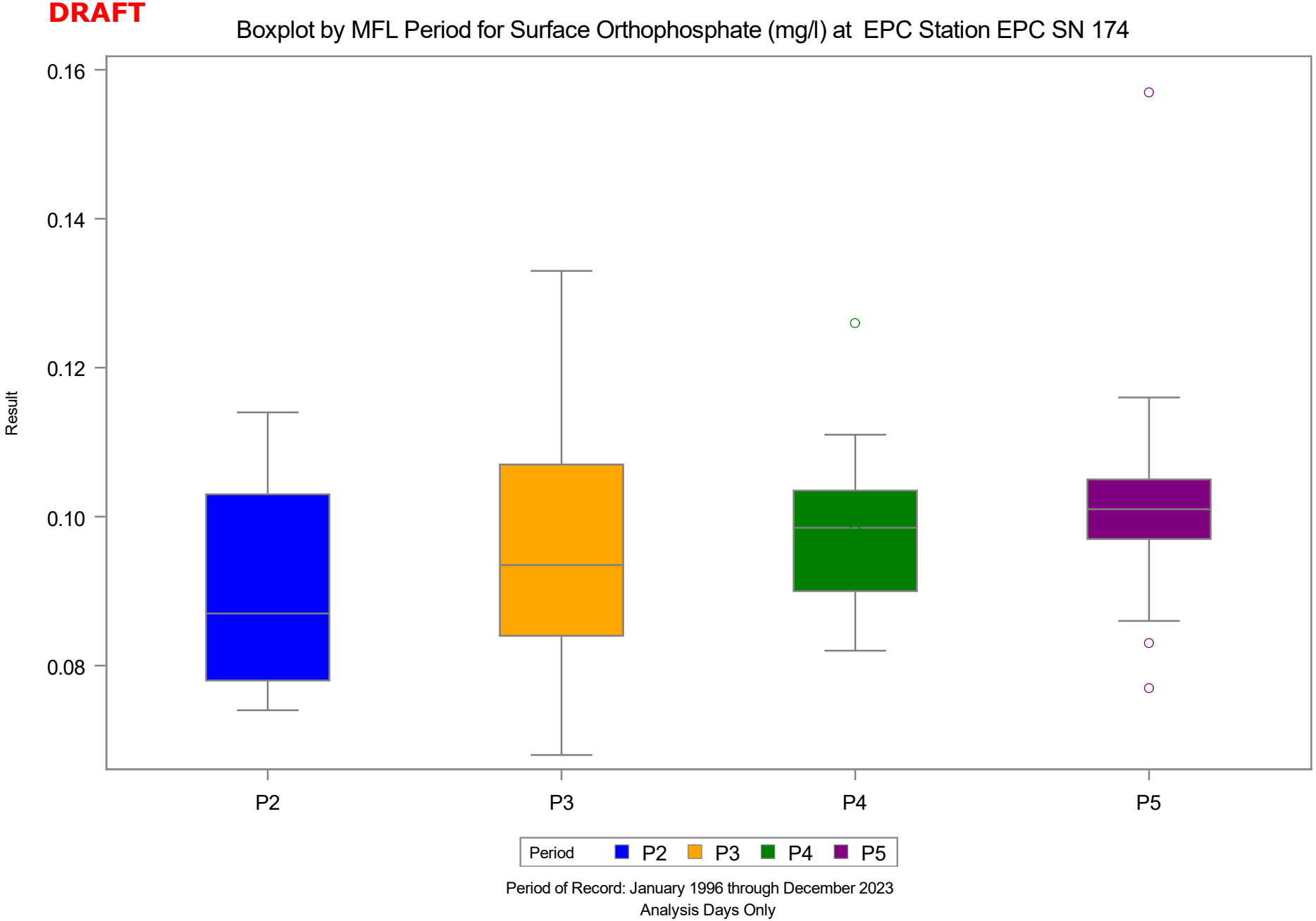
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 174

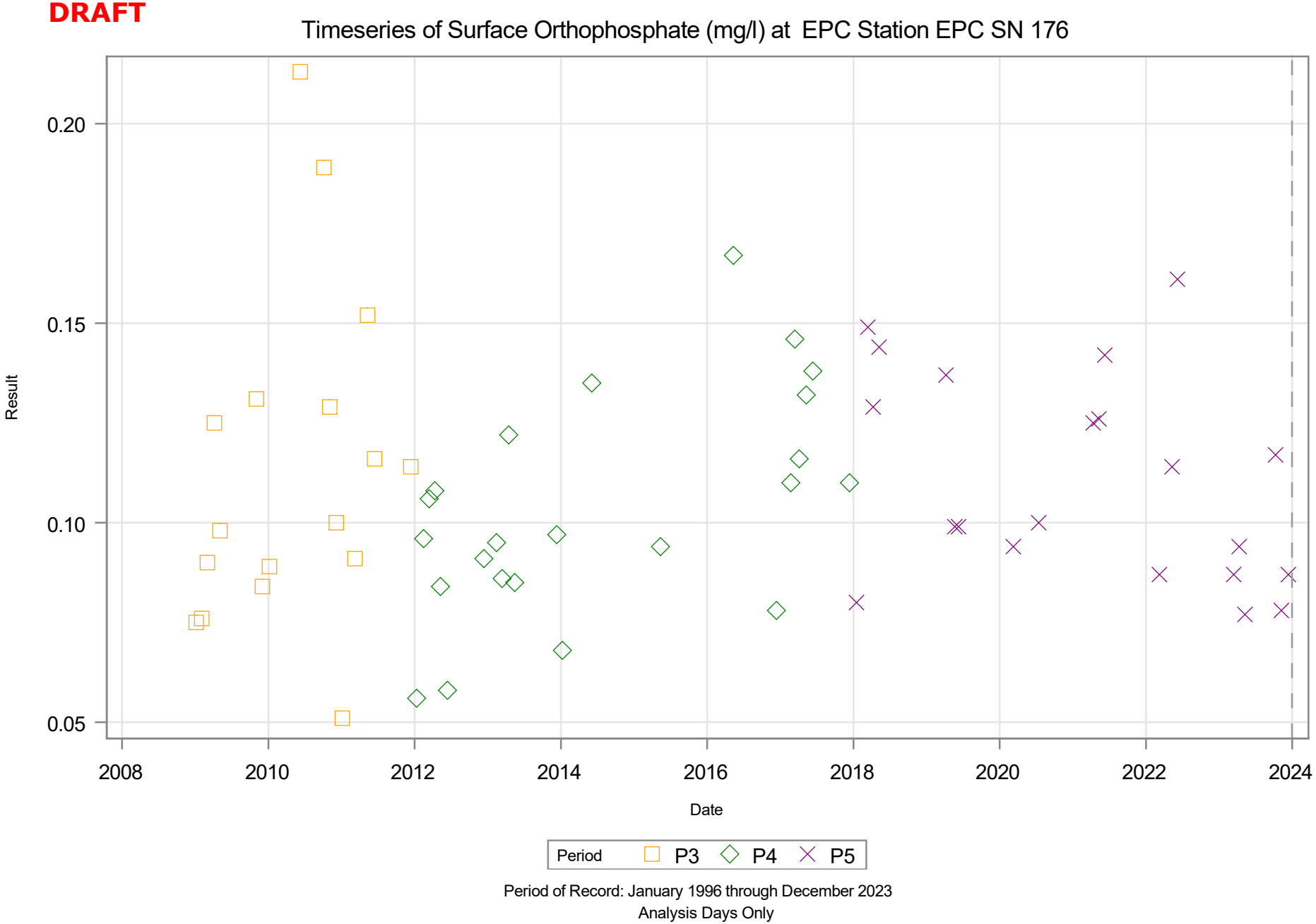
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	0.07	0.08	0.09	0.09	0.10	0.11
P3	26	0.07	0.08	0.09	0.09	0.11	0.13
P4	24	0.08	0.09	0.10	0.10	0.10	0.13
P5	21	0.08	0.10	0.10	0.10	0.11	0.16

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

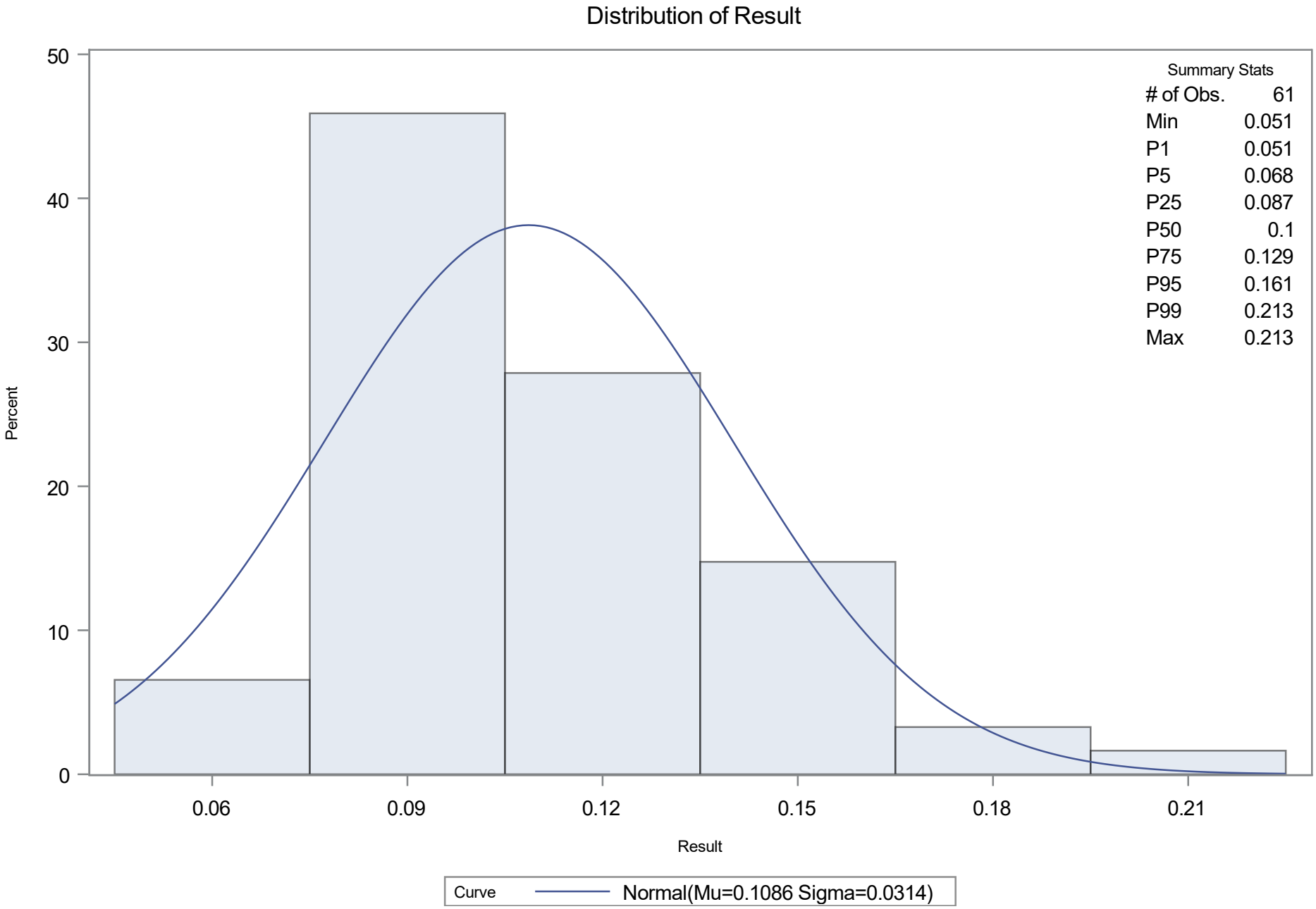

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 174
Result
0.16
0.14
0.12
0.10
0.08
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 176
Result
0.20
0.15
0.10
0.05
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.108639
Std Dev	Sigma	0.031381

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13304915	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.13272541	**Pr > W-Sq**	0.041
Anderson-Darling	**A-Sq**	0.77088872	**Pr > A-Sq**	0.044

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.05100	0.03564
5.0	0.06800	0.05702
10.0	0.07700	0.06842
25.0	0.08700	0.08747
50.0	0.10000	0.10864
75.0	0.12900	0.12981
90.0	0.14600	0.14886
95.0	0.16100	0.16026
99.0	0.21300	0.18164

Period of Record: January 1996 through December 2023
Analysis Days Only

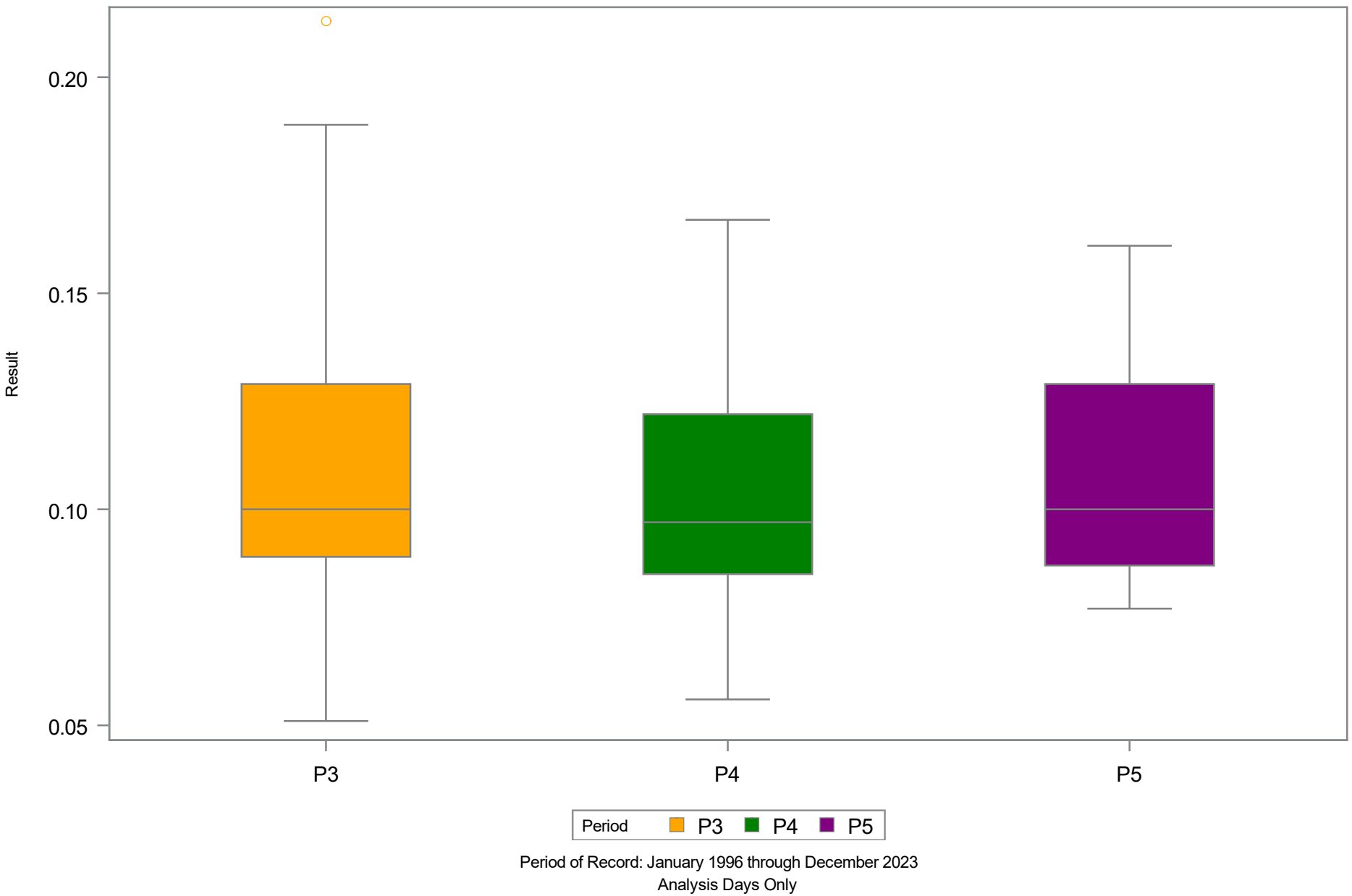
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 176

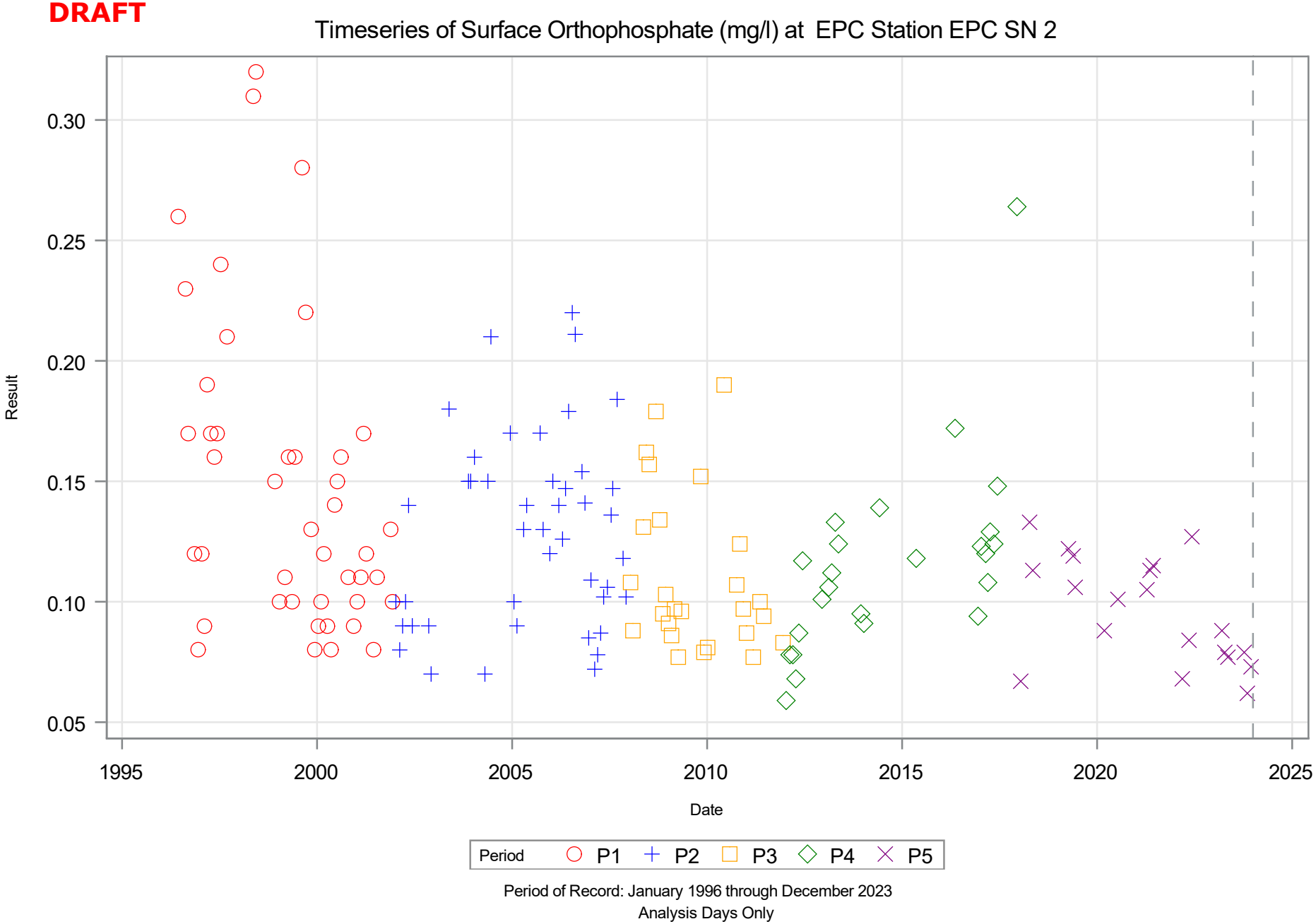
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	0.05	0.09	0.11	0.10	0.13	0.21
P4	23	0.06	0.09	0.10	0.10	0.12	0.17
P5	21	0.08	0.09	0.11	0.10	0.13	0.16

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

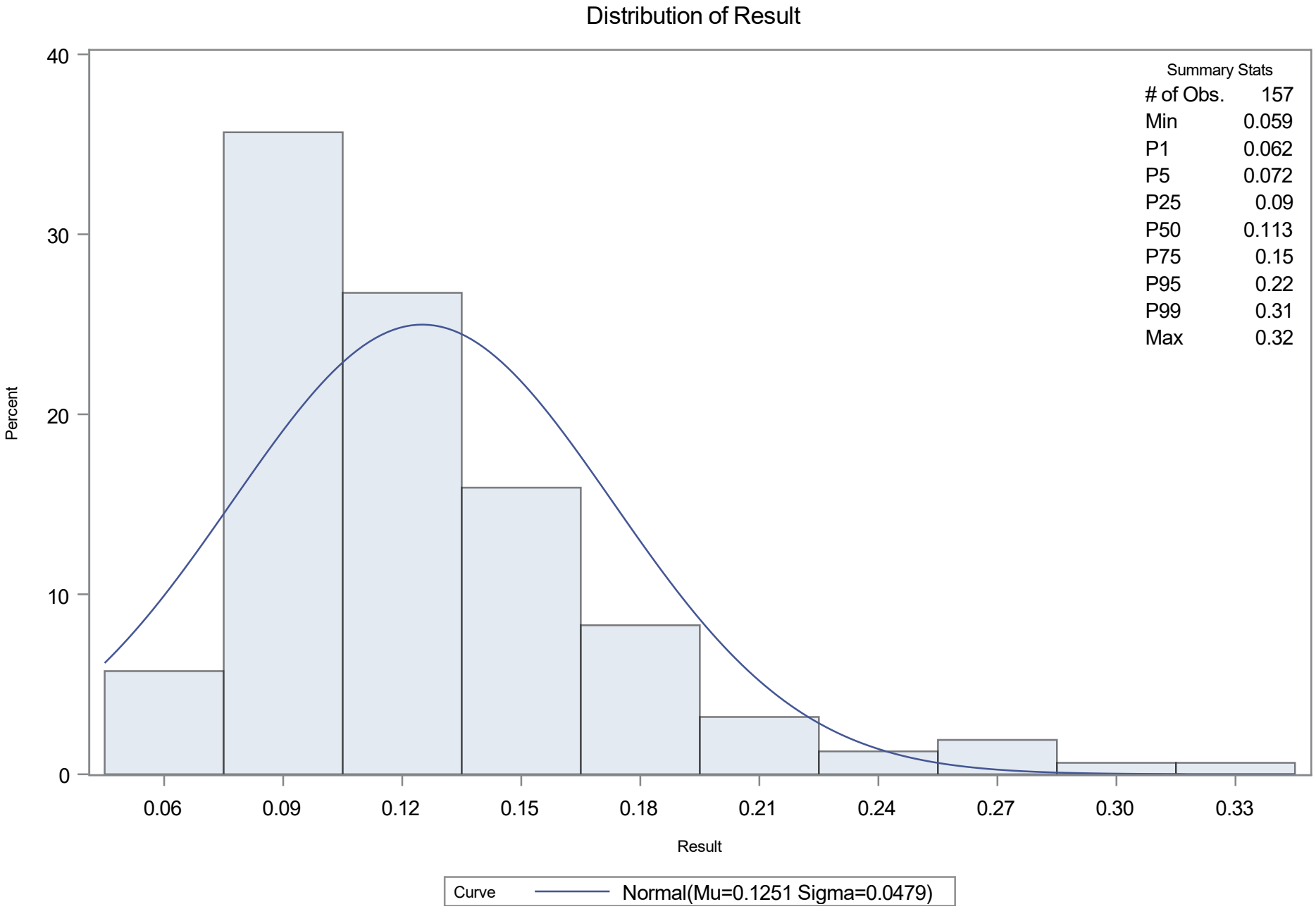

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 176
Result
0.20
0.15
0.10
0.05
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 2
Result
0.30
0.25
0.20
0.15
0.10
0.05
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.12507
Std Dev	Sigma	0.047906

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12176084	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.77128940	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.86117487	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06200	0.01362
5.0	0.07200	0.04627
10.0	0.07900	0.06368
25.0	0.09000	0.09276
50.0	0.11300	0.12507
75.0	0.15000	0.15738
90.0	0.18000	0.18646
95.0	0.22000	0.20387
99.0	0.31000	0.23652

Period of Record: January 1996 through December 2023
Analysis Days Only

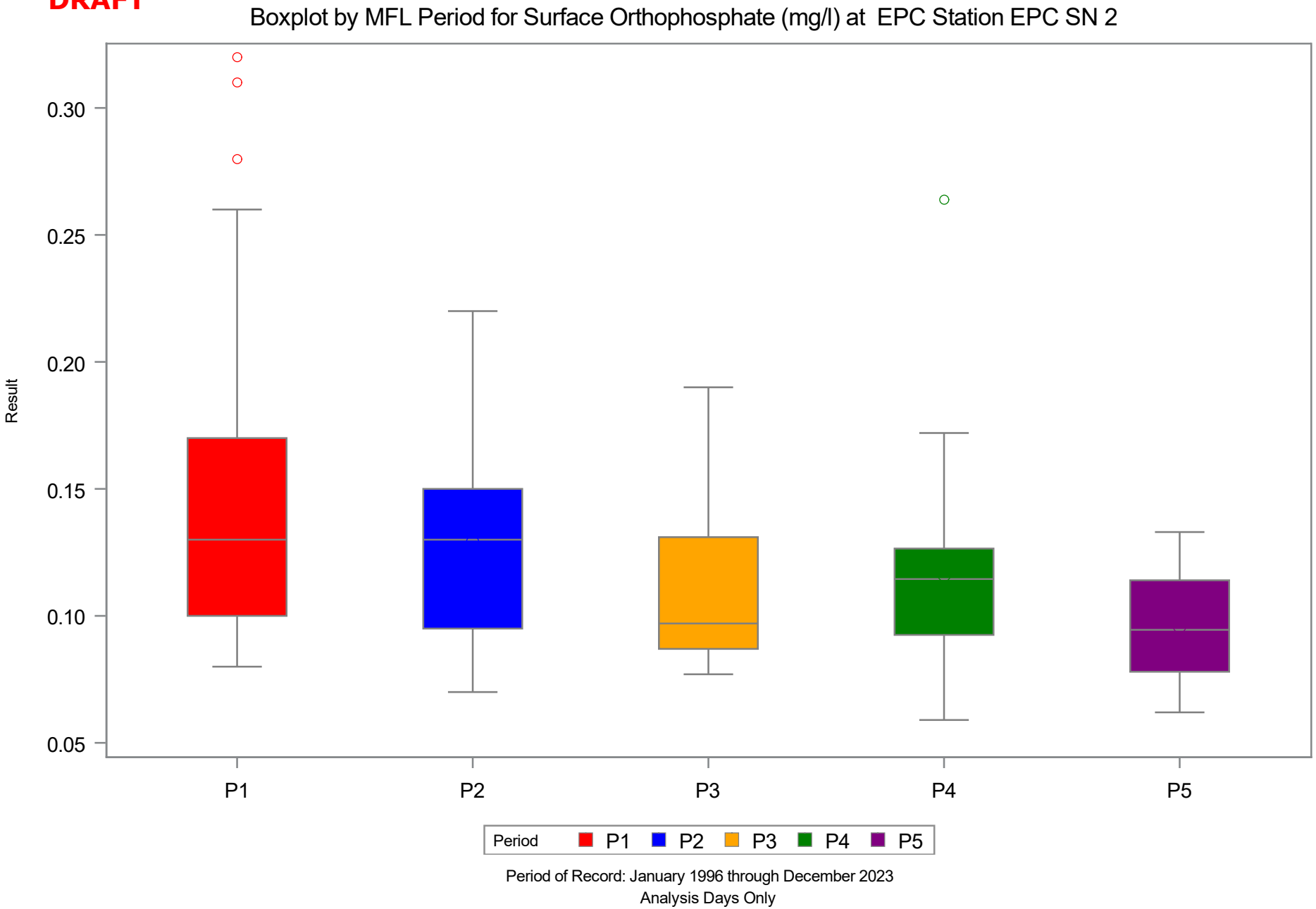
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 2

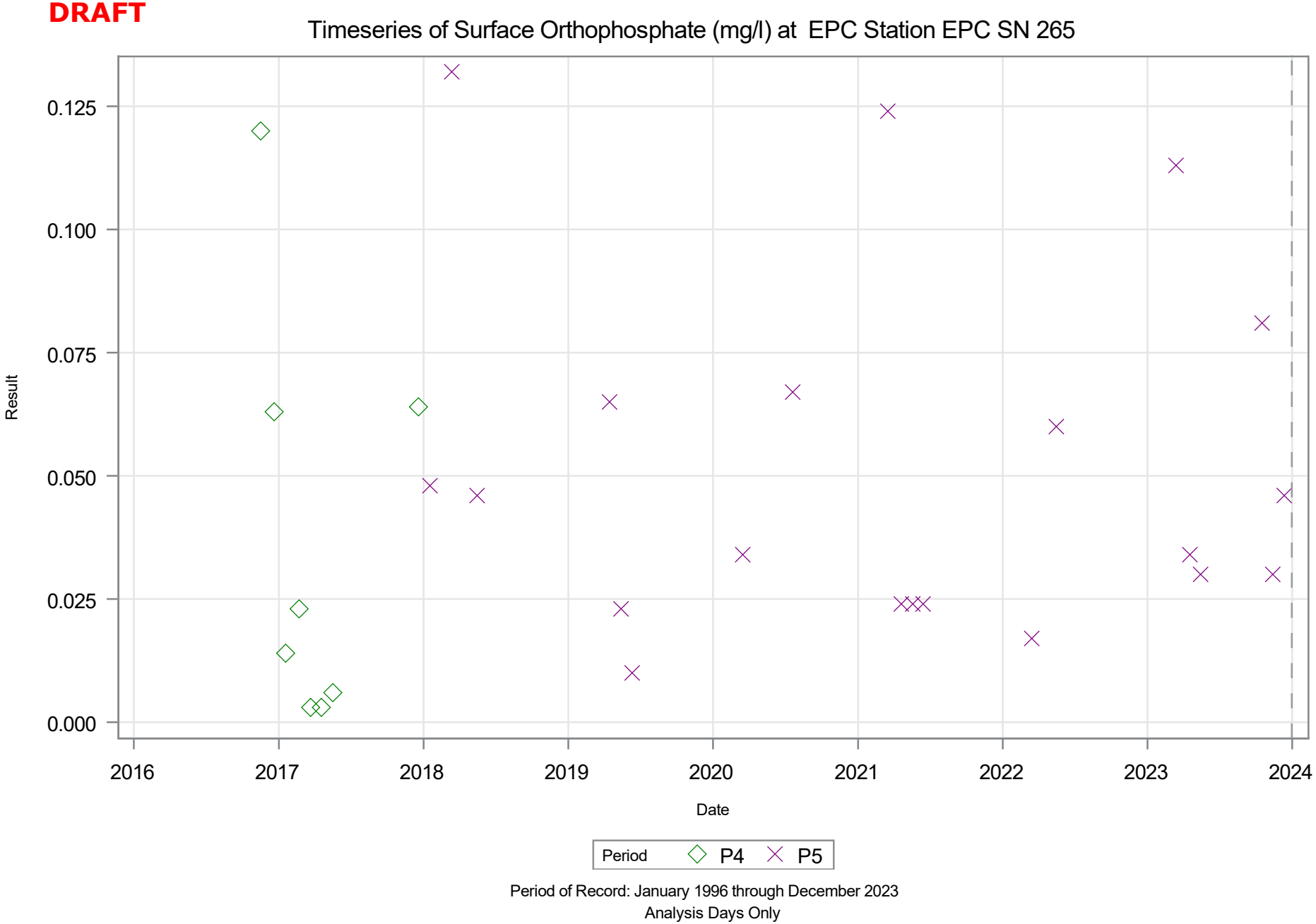
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.08	0.10	0.15	0.13	0.17	0.32
P2	44	0.07	0.10	0.13	0.13	0.15	0.22
P3	26	0.08	0.09	0.11	0.10	0.13	0.19
P4	24	0.06	0.09	0.12	0.11	0.13	0.26
P5	20	0.06	0.08	0.10	0.09	0.11	0.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

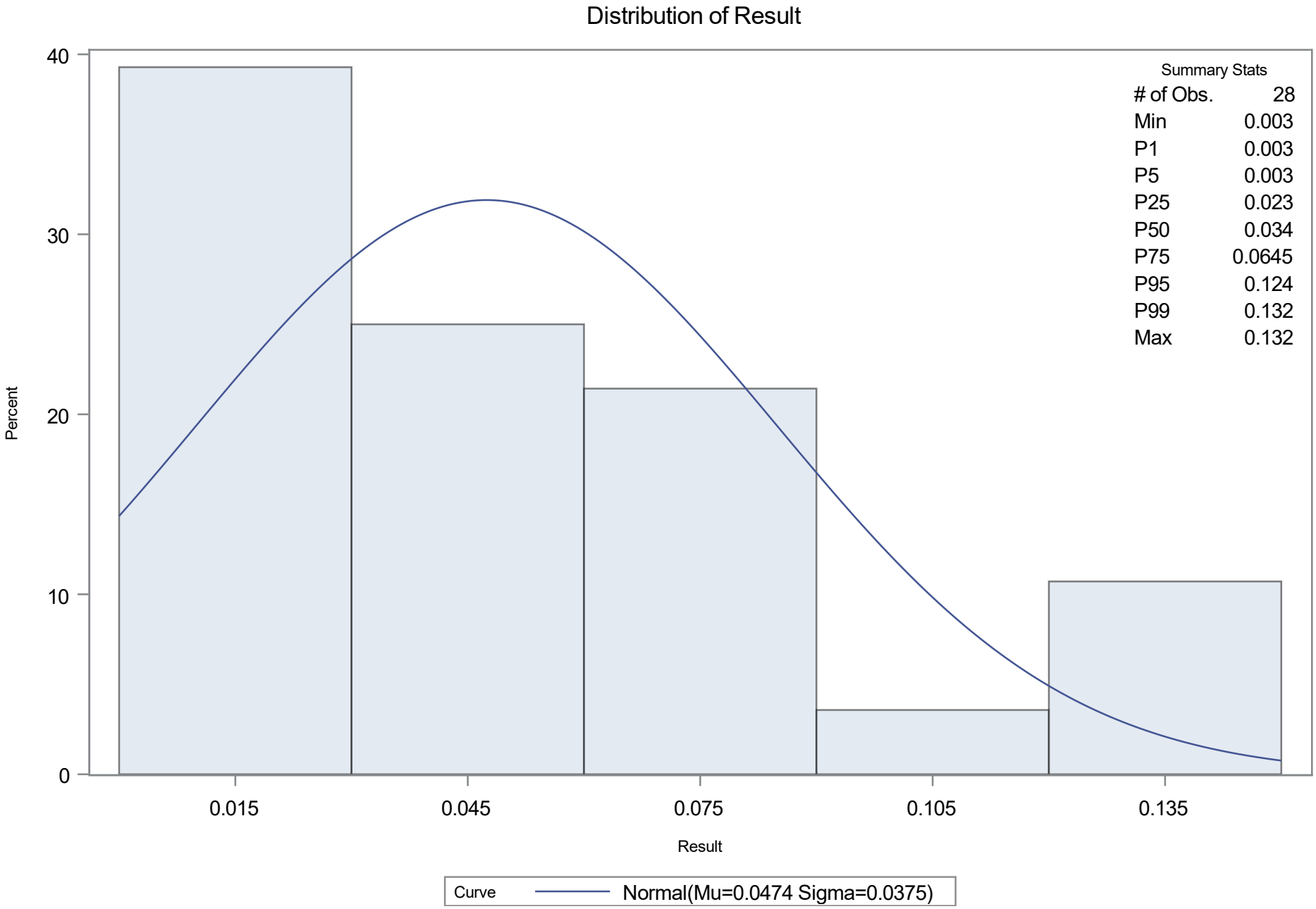

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 2
Result
0.30
0.25
0.20
0.15
0.10
0.05
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 265
Result
0.125
0.100
0.075
0.050
0.025
0.000
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.047429
Std Dev	Sigma	0.037514

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17552870	**Pr > D**	0.025
Cramer-von Mises	**W-Sq**	0.17120832	**Pr > W-Sq**	0.012
Anderson-Darling	**A-Sq**	1.12556330	**Pr > A-Sq**	0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.03984
5.0	0.00300	-0.01428
10.0	0.00600	-0.00065
25.0	0.02300	0.02213
50.0	0.03400	0.04743
75.0	0.06450	0.07273
90.0	0.12000	0.09550
95.0	0.12400	0.10913
99.0	0.13200	0.13470

Period of Record: January 1996 through December 2023
Analysis Days Only

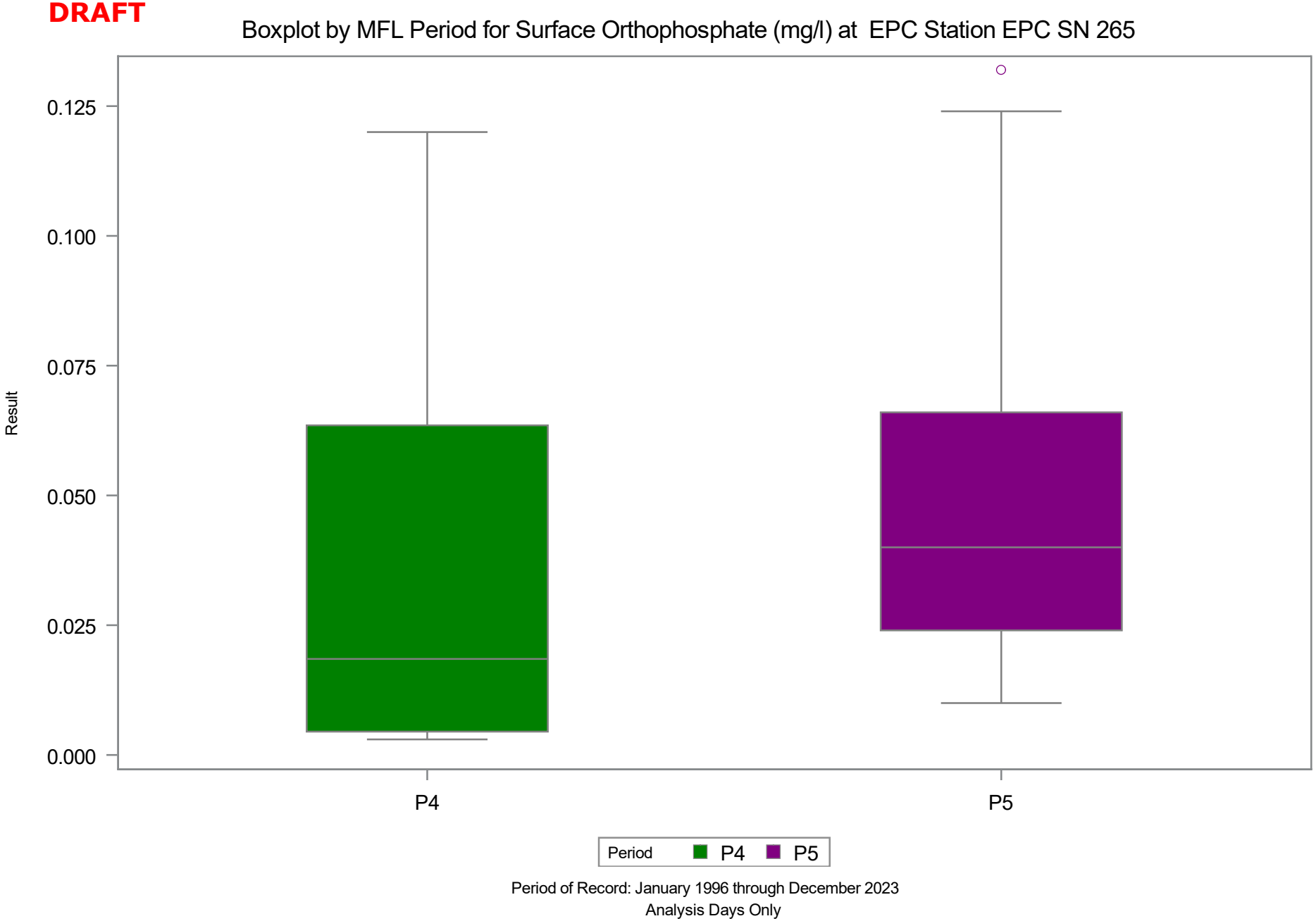
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 265

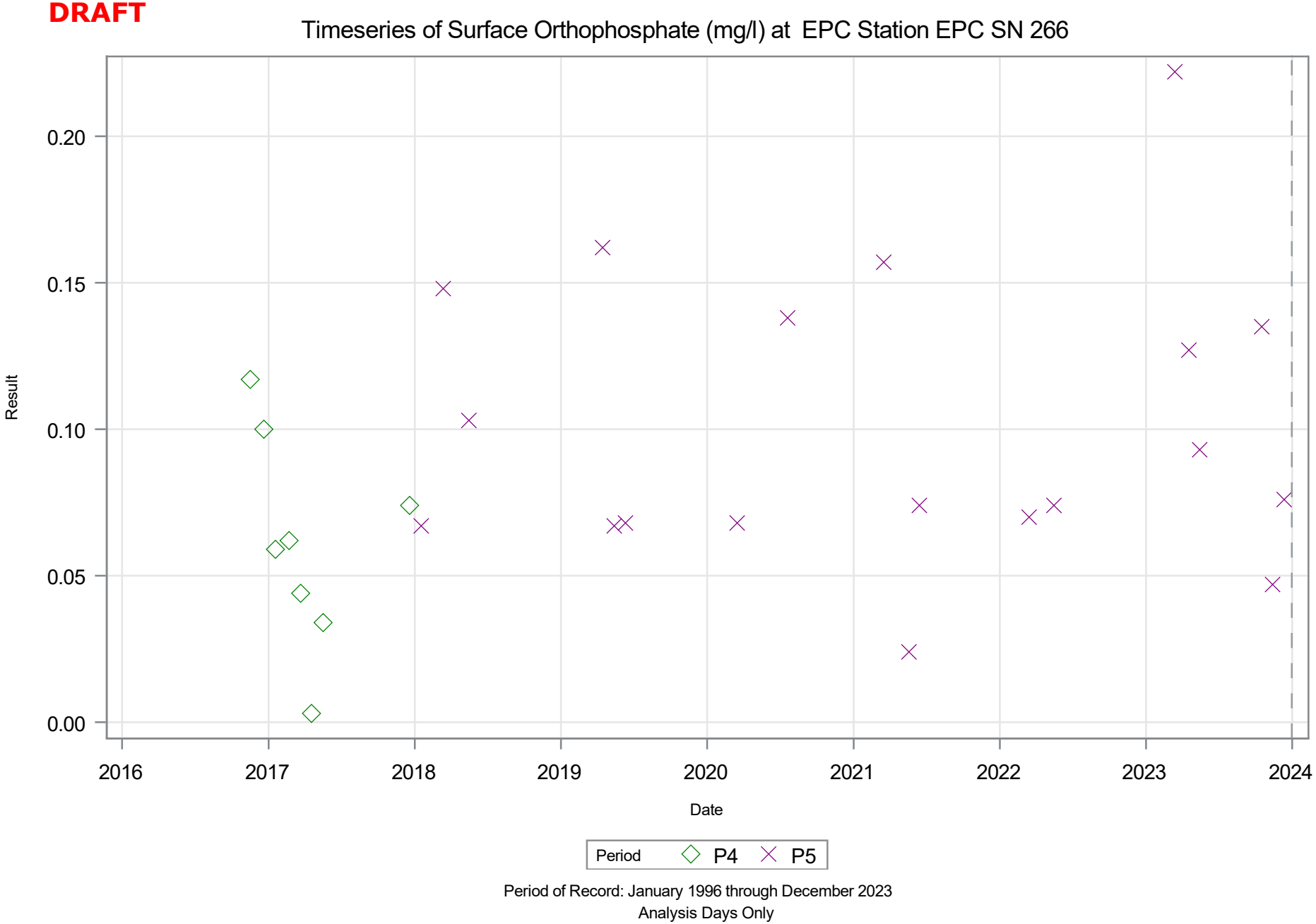
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.00	0.00	0.04	0.02	0.06	0.12
P5	20	0.01	0.02	0.05	0.04	0.07	0.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

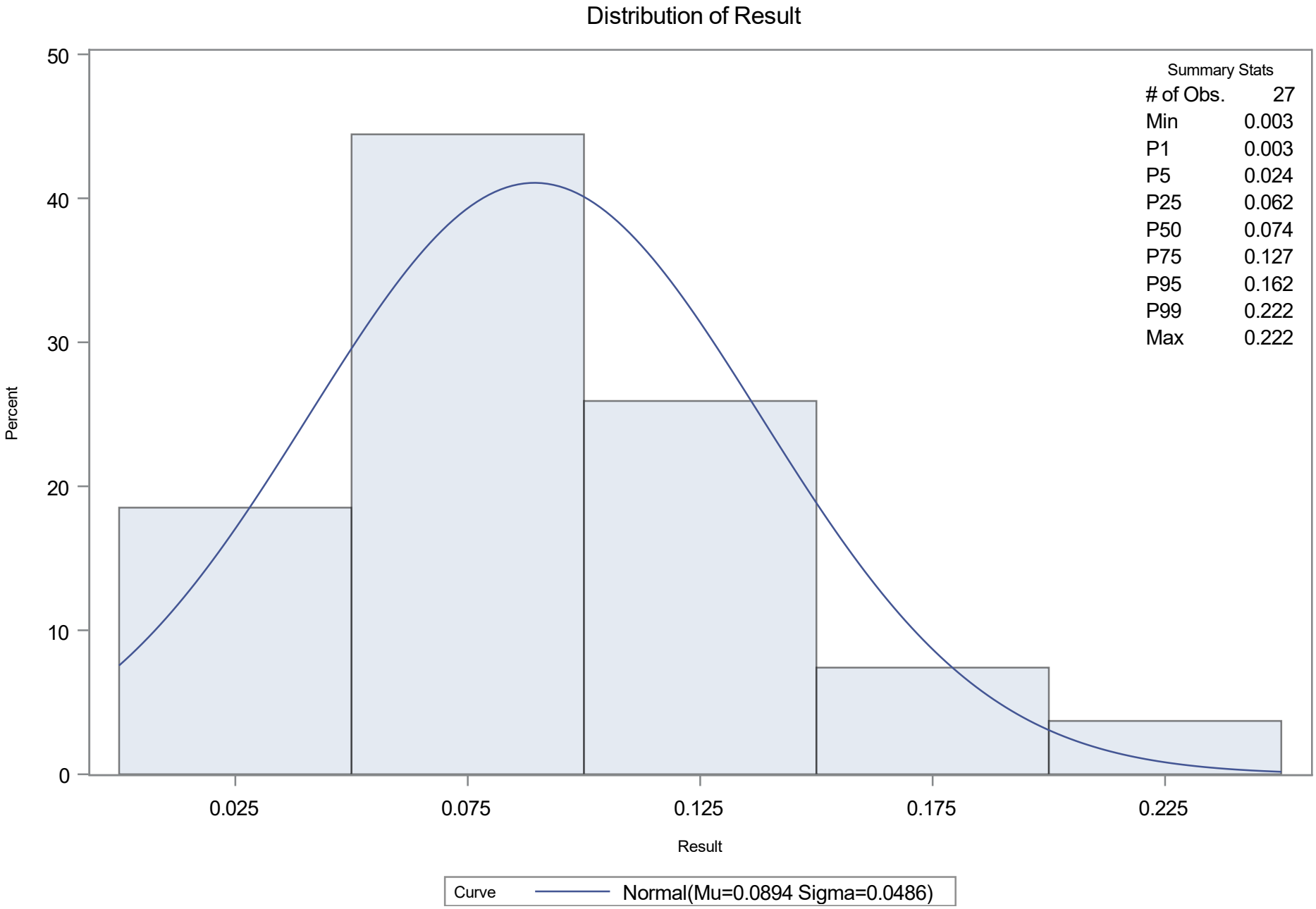

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 265
Result
0.125
0.100
0.075
0.050
0.025
0.000
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 266
Result
0.20
0.15
0.10
0.05
0.00
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.08937
Std Dev	Sigma	0.048563

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20105846	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.12751093	**Pr > W-Sq**	0.046
Anderson-Darling	**A-Sq**	0.63586232	**Pr > A-Sq**	0.090

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00300	-0.02360
5.0	0.02400	0.00949
10.0	0.03400	0.02713
25.0	0.06200	0.05662
50.0	0.07400	0.08937
75.0	0.12700	0.12213
90.0	0.15700	0.15161
95.0	0.16200	0.16925
99.0	0.22200	0.20234

Period of Record: January 1996 through December 2023
Analysis Days Only

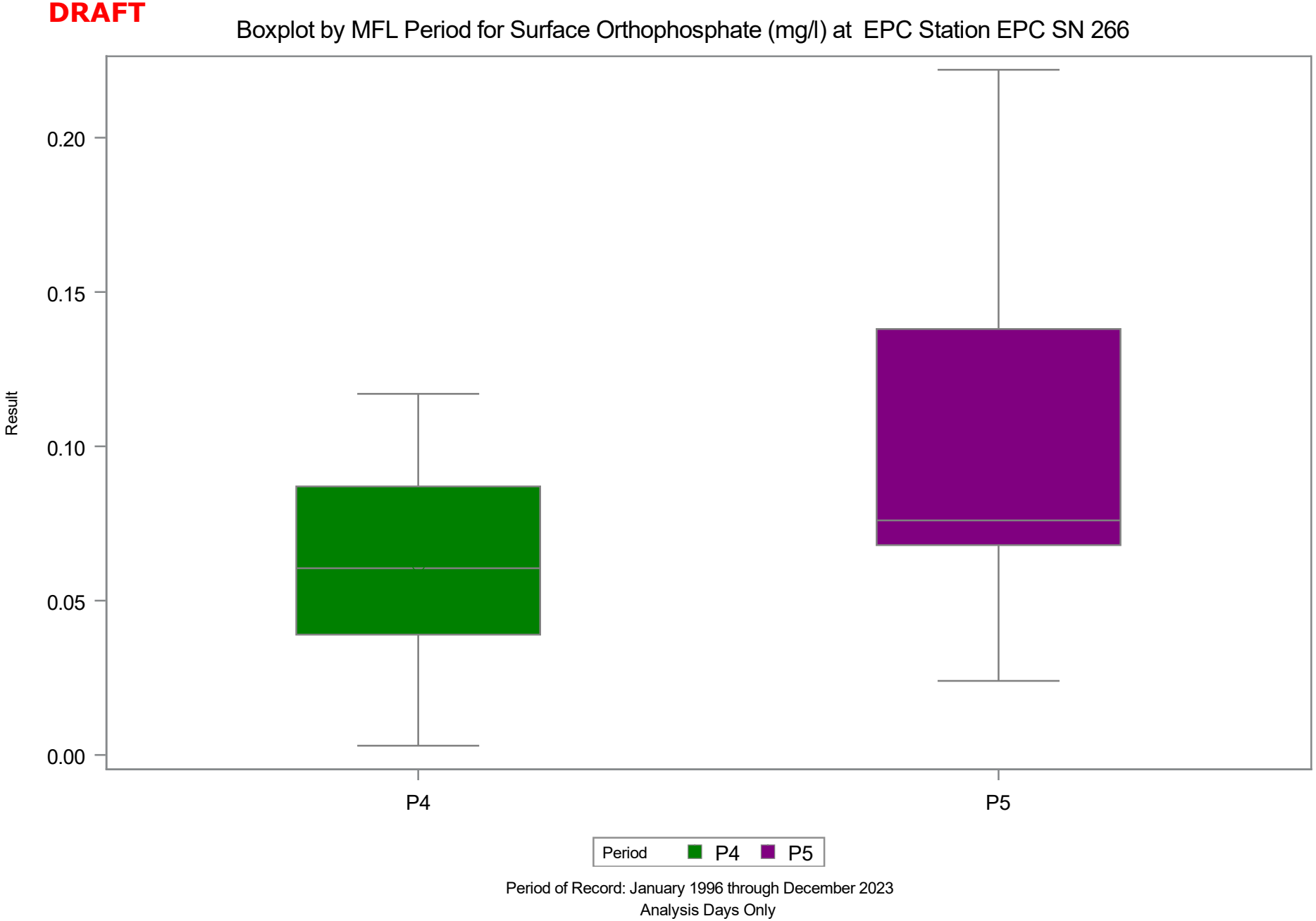
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 266

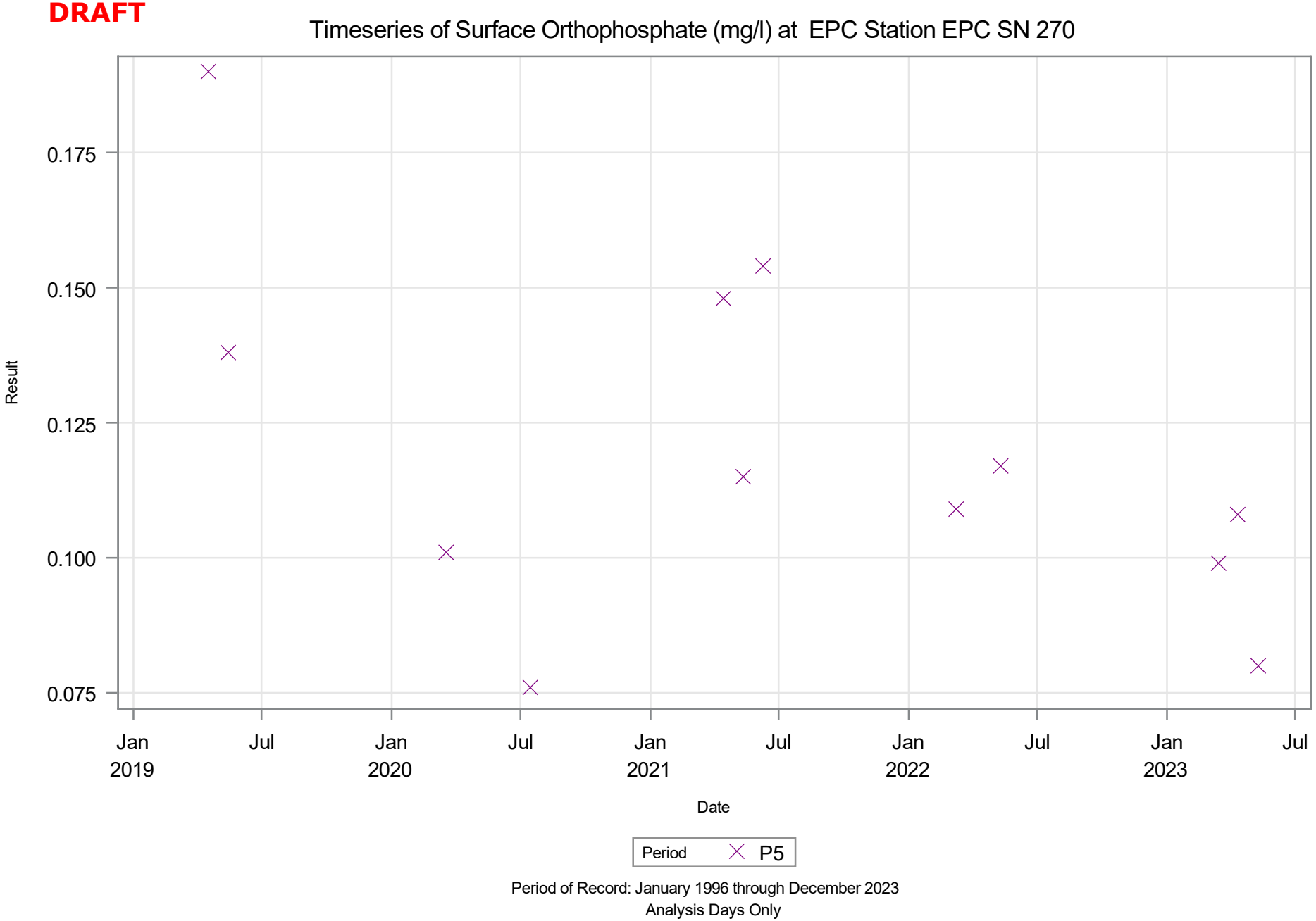
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.00	0.04	0.06	0.06	0.09	0.12
P5	19	0.02	0.07	0.10	0.08	0.14	0.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

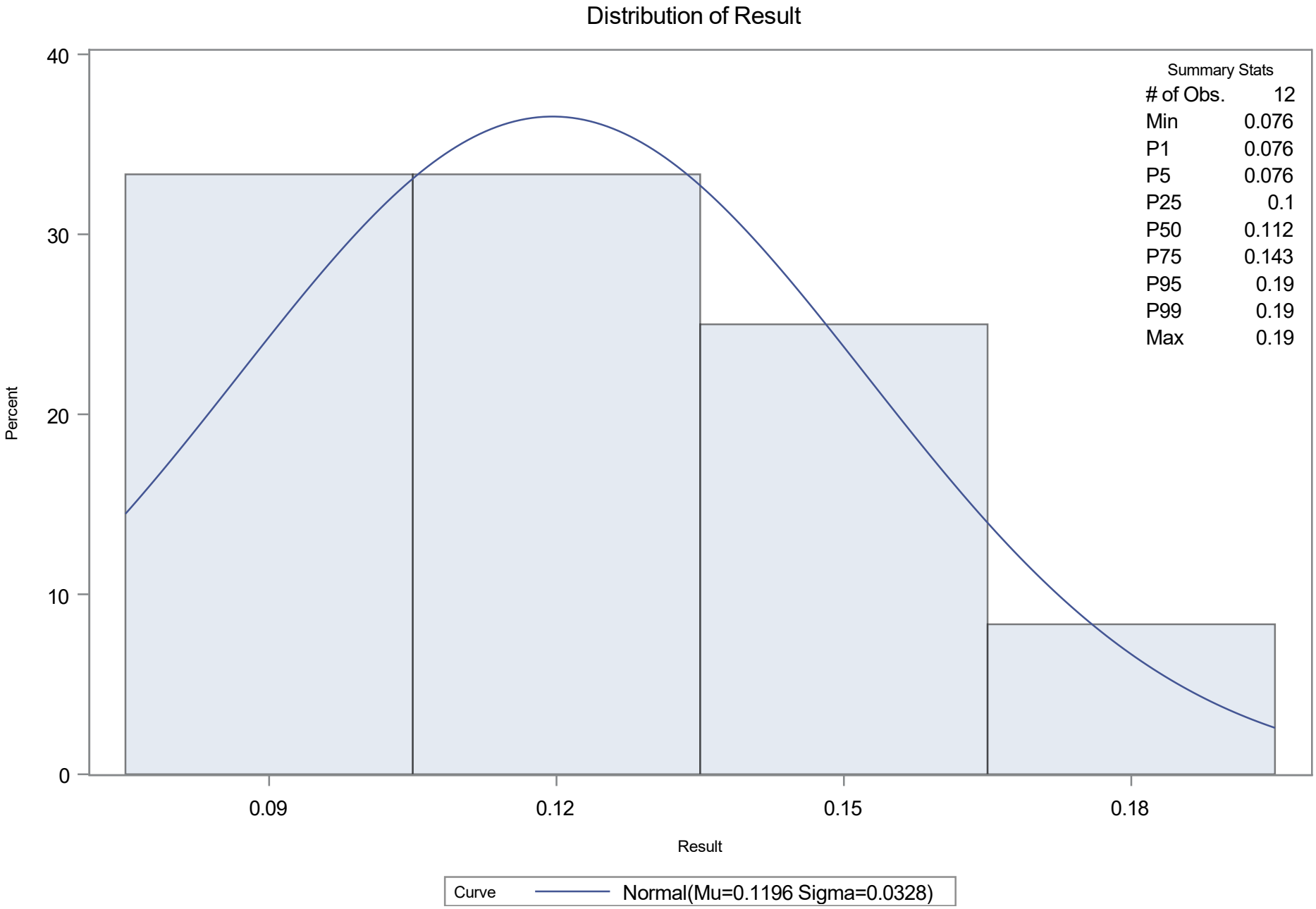

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 266
Result
0.20
0.15
0.10
0.05
0.00
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at EPC Station EPC SN 270
Result
0.175
0.150
0.125
0.100
0.075
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.119583
Std Dev	Sigma	0.032751

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19810182	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05556299	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32500762	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07600	0.04339
5.0	0.07600	0.06571
10.0	0.08000	0.07761
25.0	0.10000	0.09749
50.0	0.11200	0.11958
75.0	0.14300	0.14167
90.0	0.15400	0.16156
95.0	0.19000	0.17345
99.0	0.19000	0.19577

Period of Record: January 1996 through December 2023
Analysis Days Only

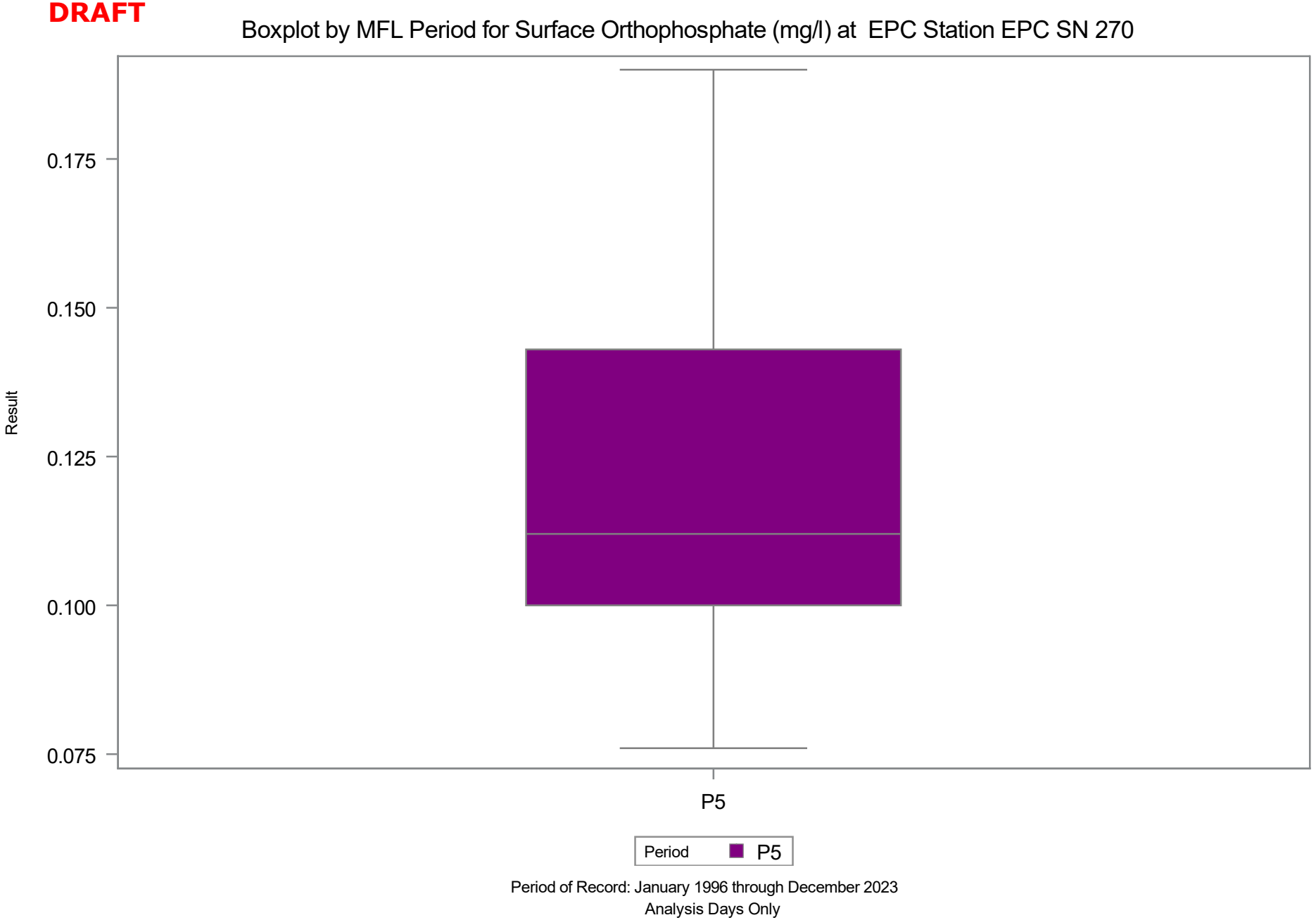
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 270

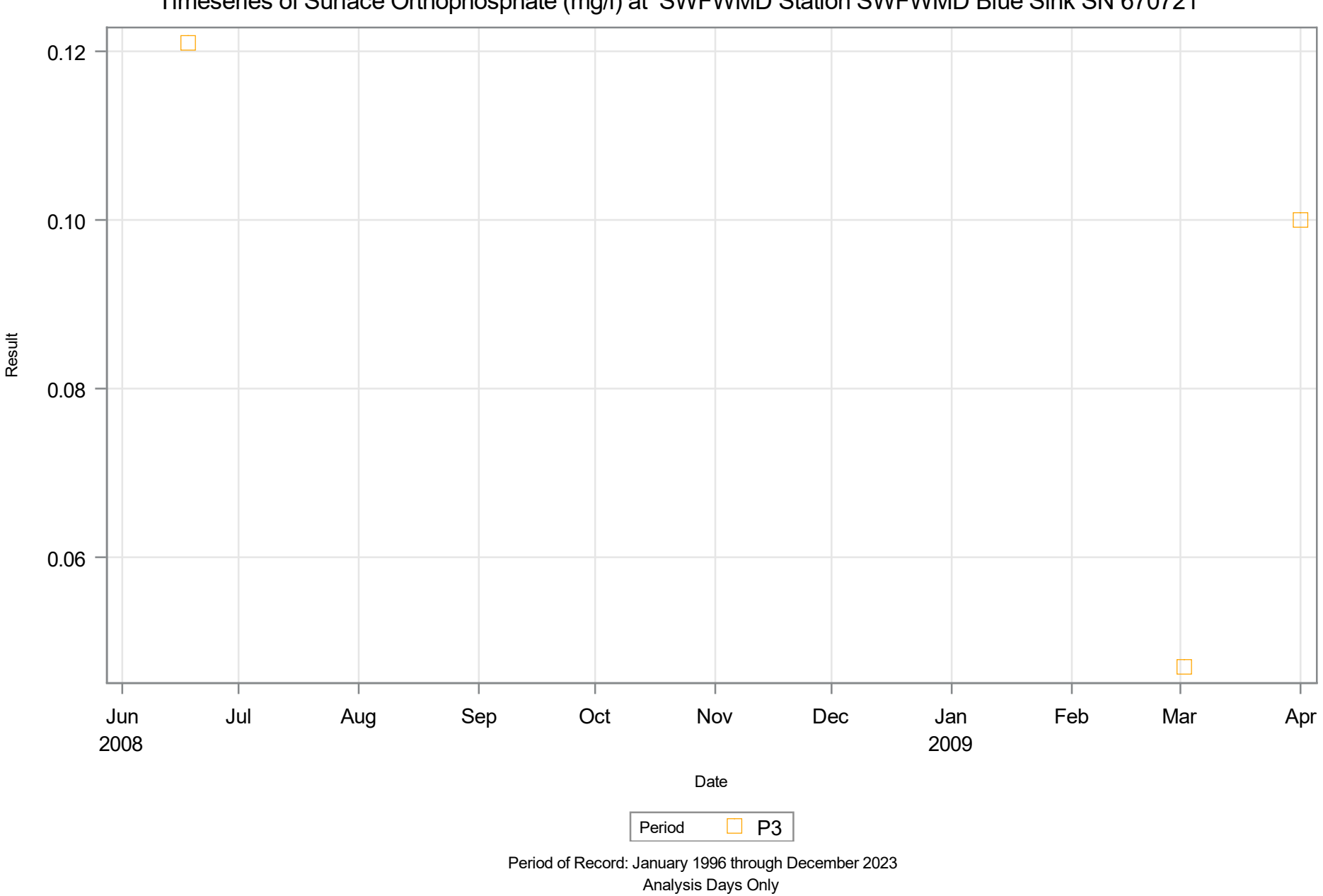
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	12	0.08	0.10	0.12	0.11	0.14	0.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

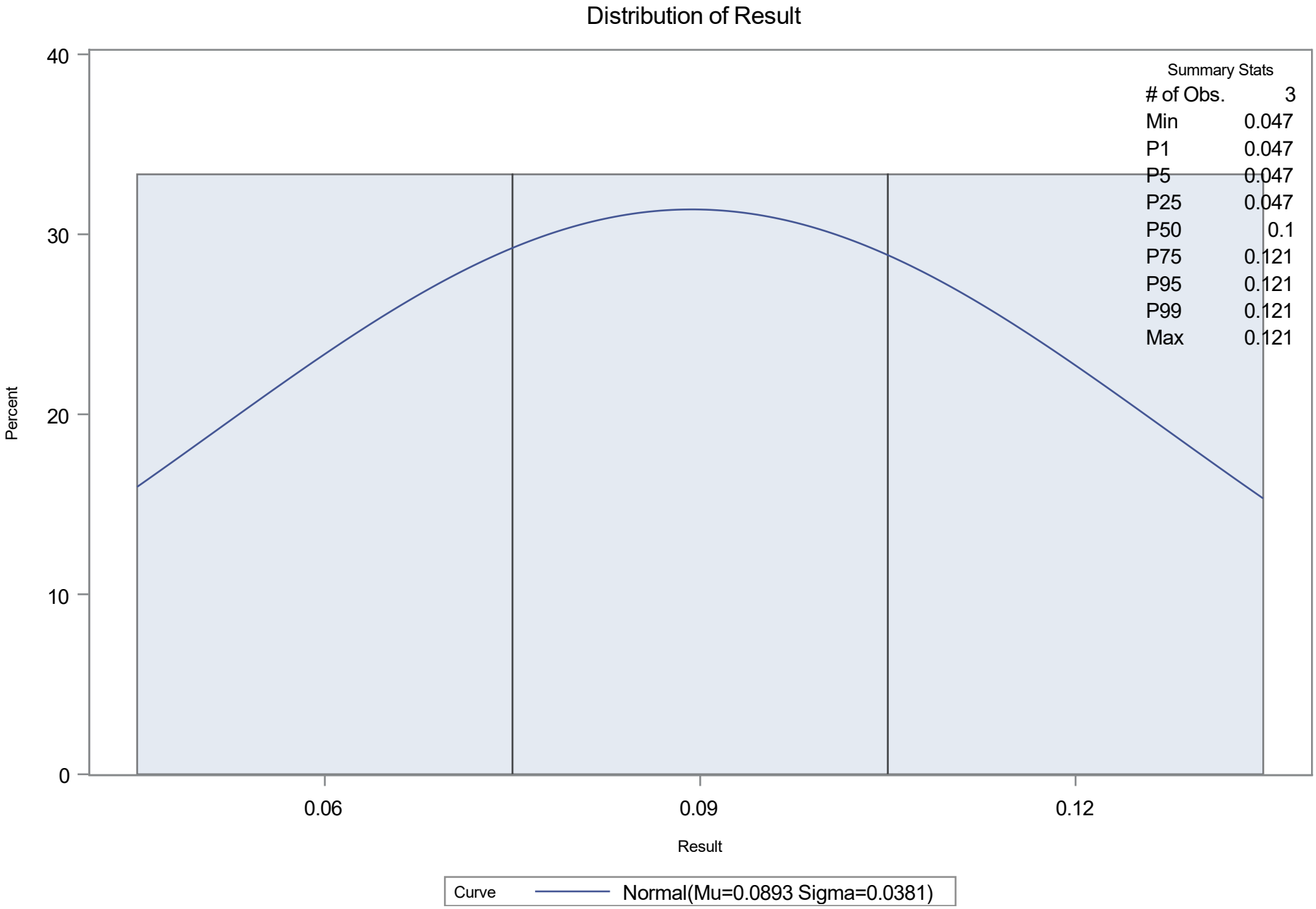

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at EPC Station EPC SN 270
Result
0.175
0.150
0.125
0.100
0.075
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721
0.12
0.10
0.08
0.06
Result
Jun
2008
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2009
Feb
Mar
Apr
Date
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.089333
Std Dev	Sigma	0.038136

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27681388	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04234342	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25584853	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.04700	0.00062
5.0	0.04700	0.02661
10.0	0.04700	0.04046
25.0	0.04700	0.06361
50.0	0.10000	0.08933
75.0	0.12100	0.11506
90.0	0.12100	0.13821
95.0	0.12100	0.15206
99.0	0.12100	0.17805

Period of Record: January 1996 through December 2023
Analysis Days Only

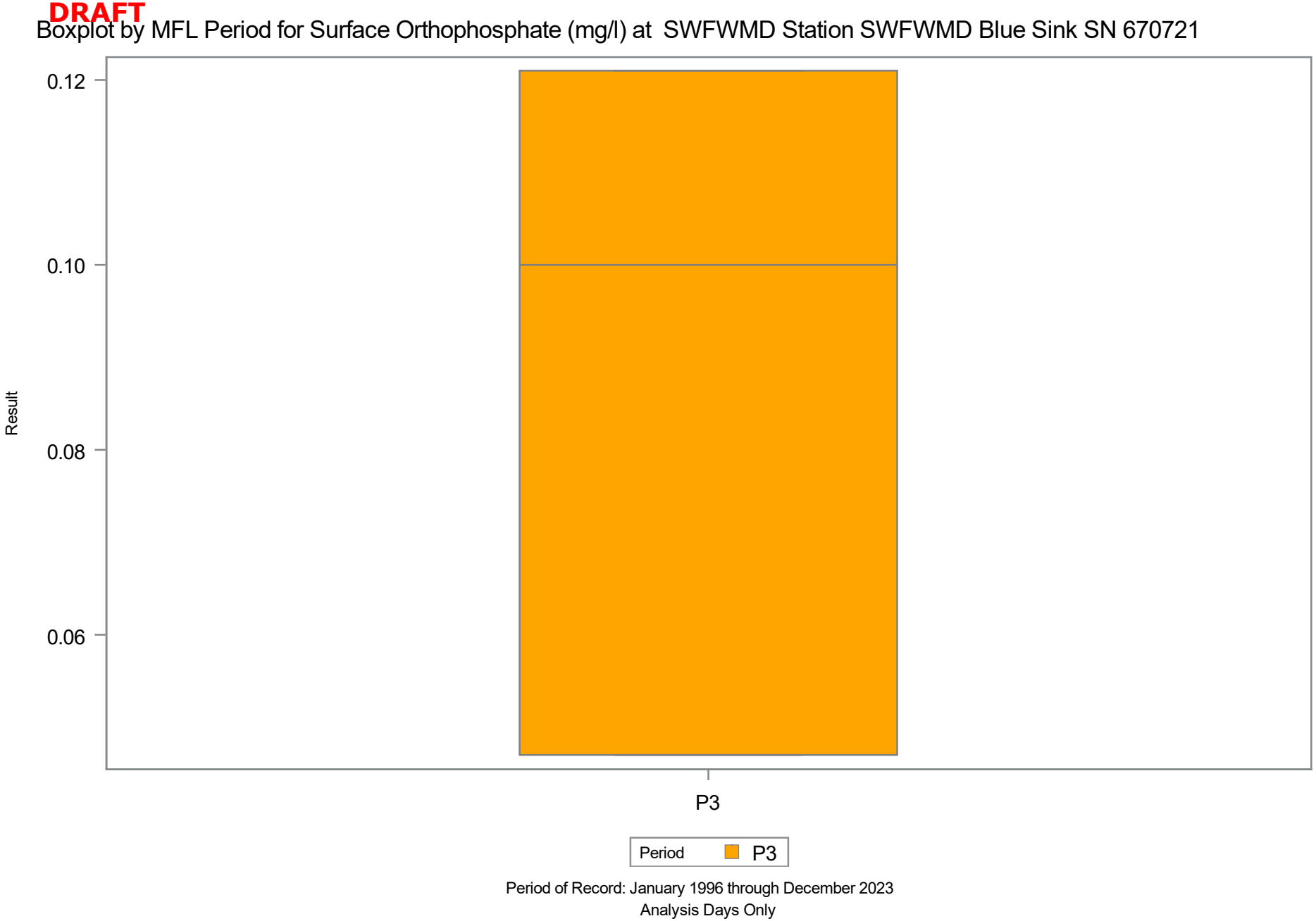
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

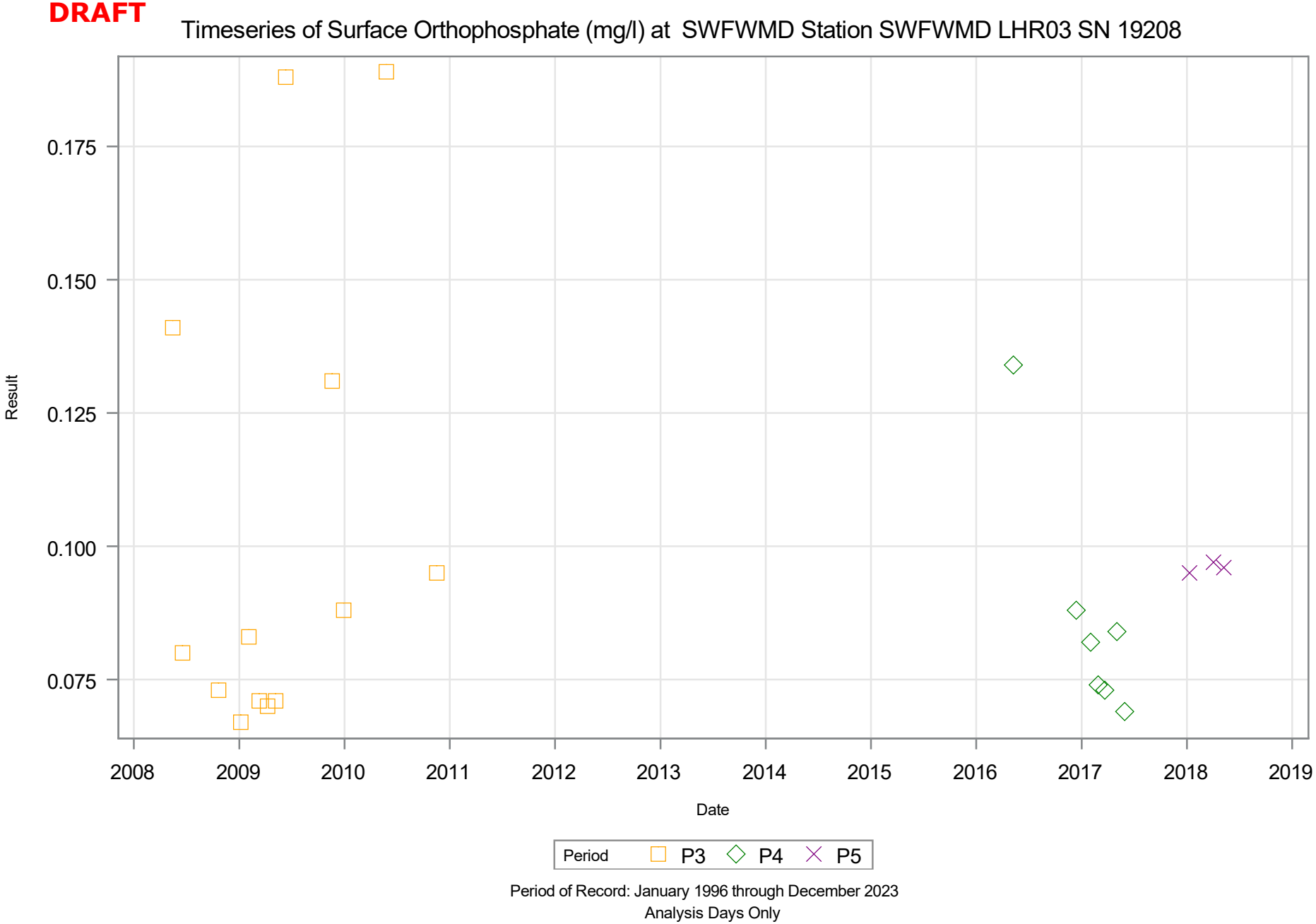
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	3	0.05	0.05	0.09	0.10	0.12	0.12

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

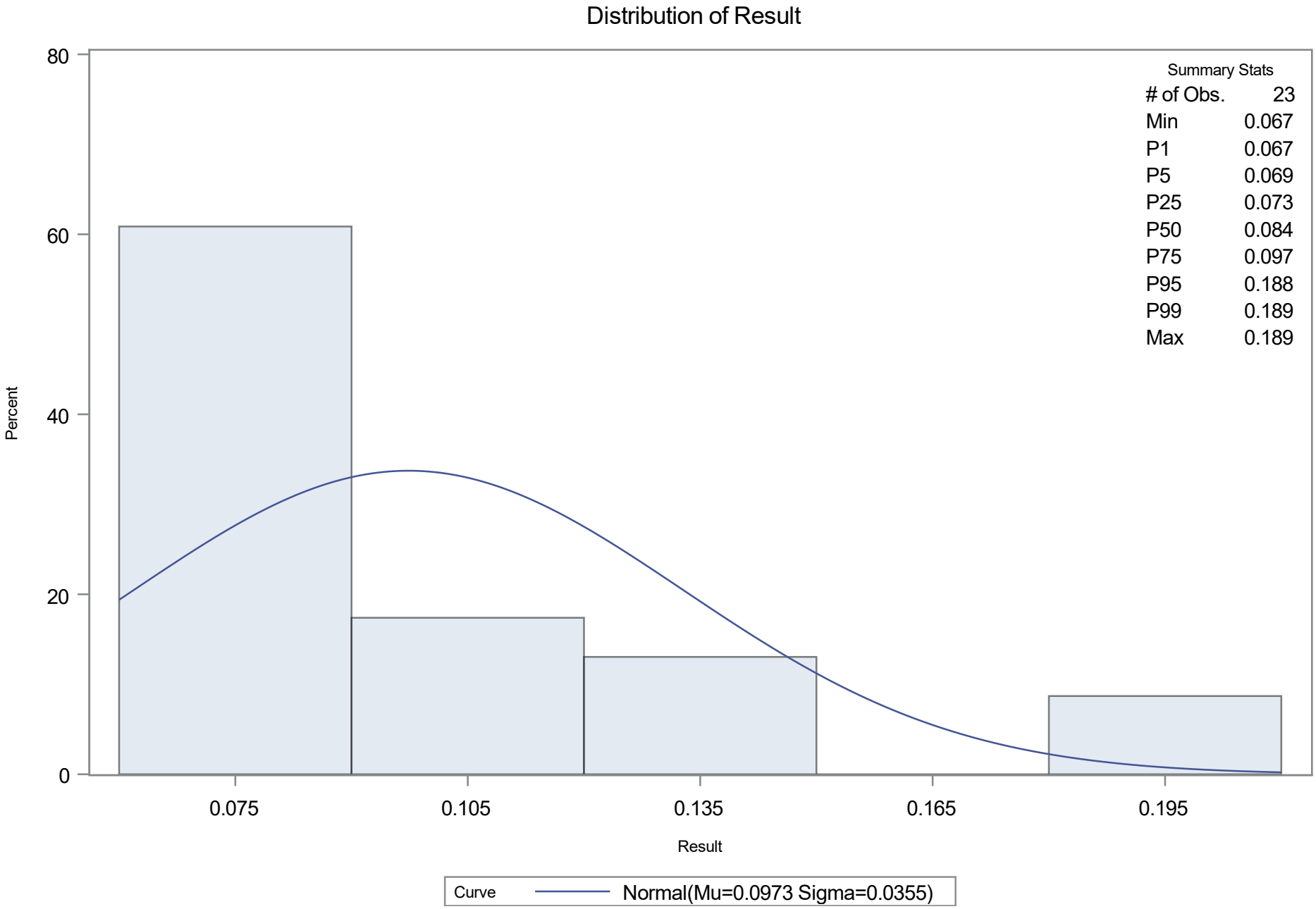

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721
0.12
0.10
0.08
0.06
Result
P3
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0.175
0.150
0.125
0.100
0.075
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.097348
Std Dev	Sigma	0.035483

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28651929	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37711377	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.10380082	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06700	0.01480
5.0	0.06900	0.03898
10.0	0.07000	0.05187
25.0	0.07300	0.07341
50.0	0.08400	0.09735
75.0	0.09700	0.12128
90.0	0.14100	0.14282
95.0	0.18800	0.15571
99.0	0.18900	0.17989

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

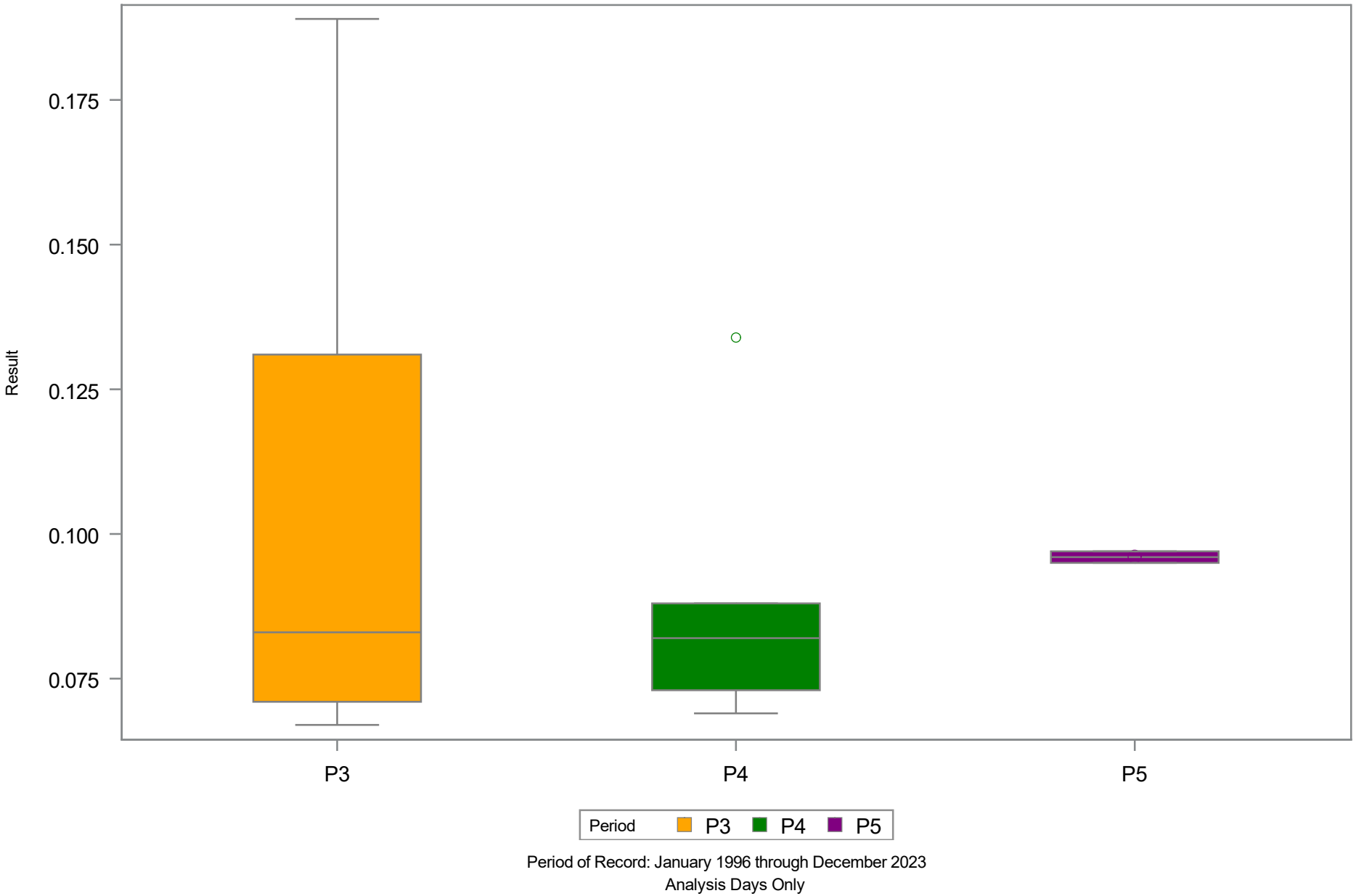
Distributional Statistics by Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.07	0.07	0.10	0.08	0.13	0.19
P4	7	0.07	0.07	0.09	0.08	0.09	0.13
P5	3	0.10	0.10	0.10	0.10	0.10	0.10

Period of Record: January 1996 through December 2023
Analysis Days Only

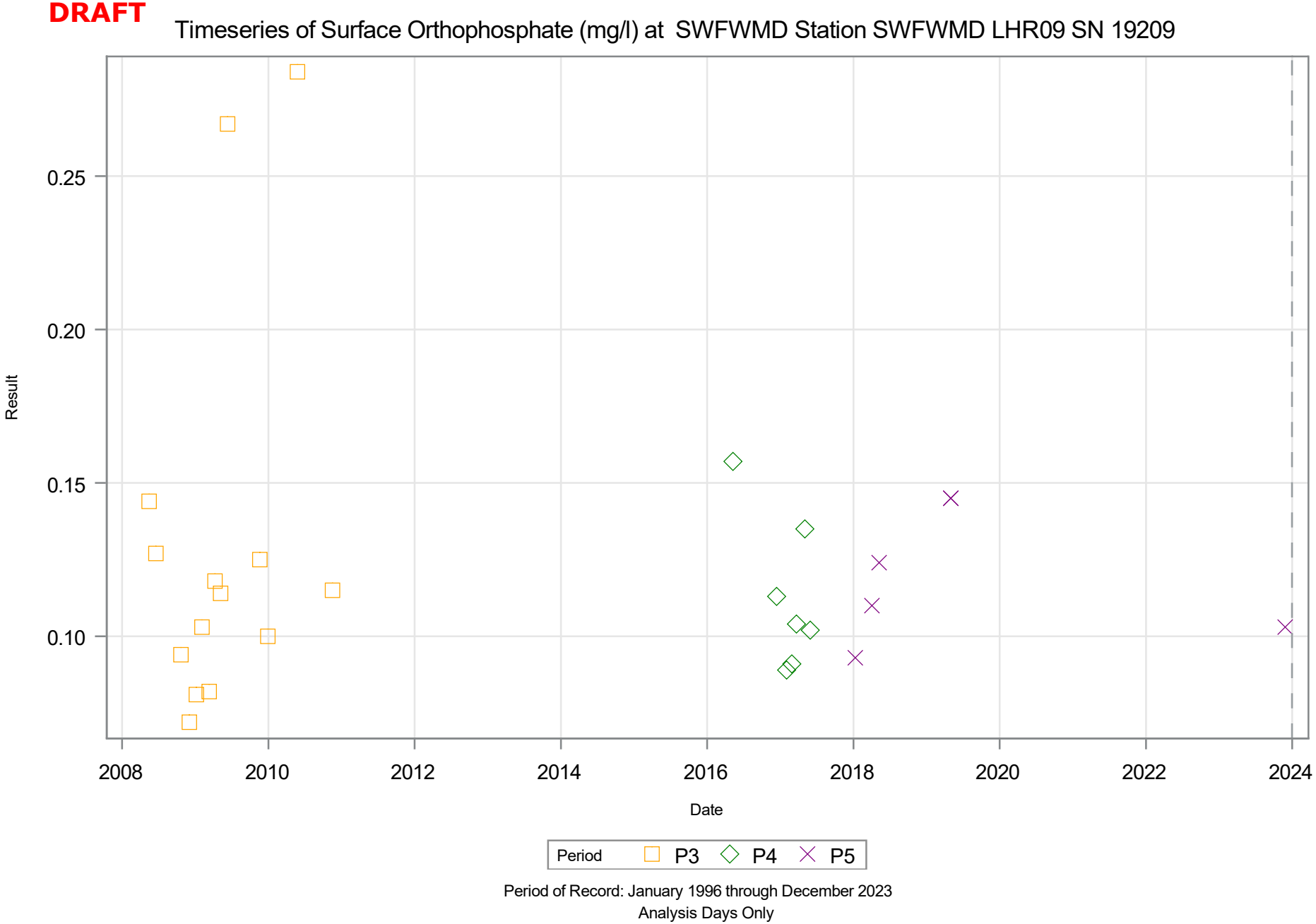
DRAFT

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



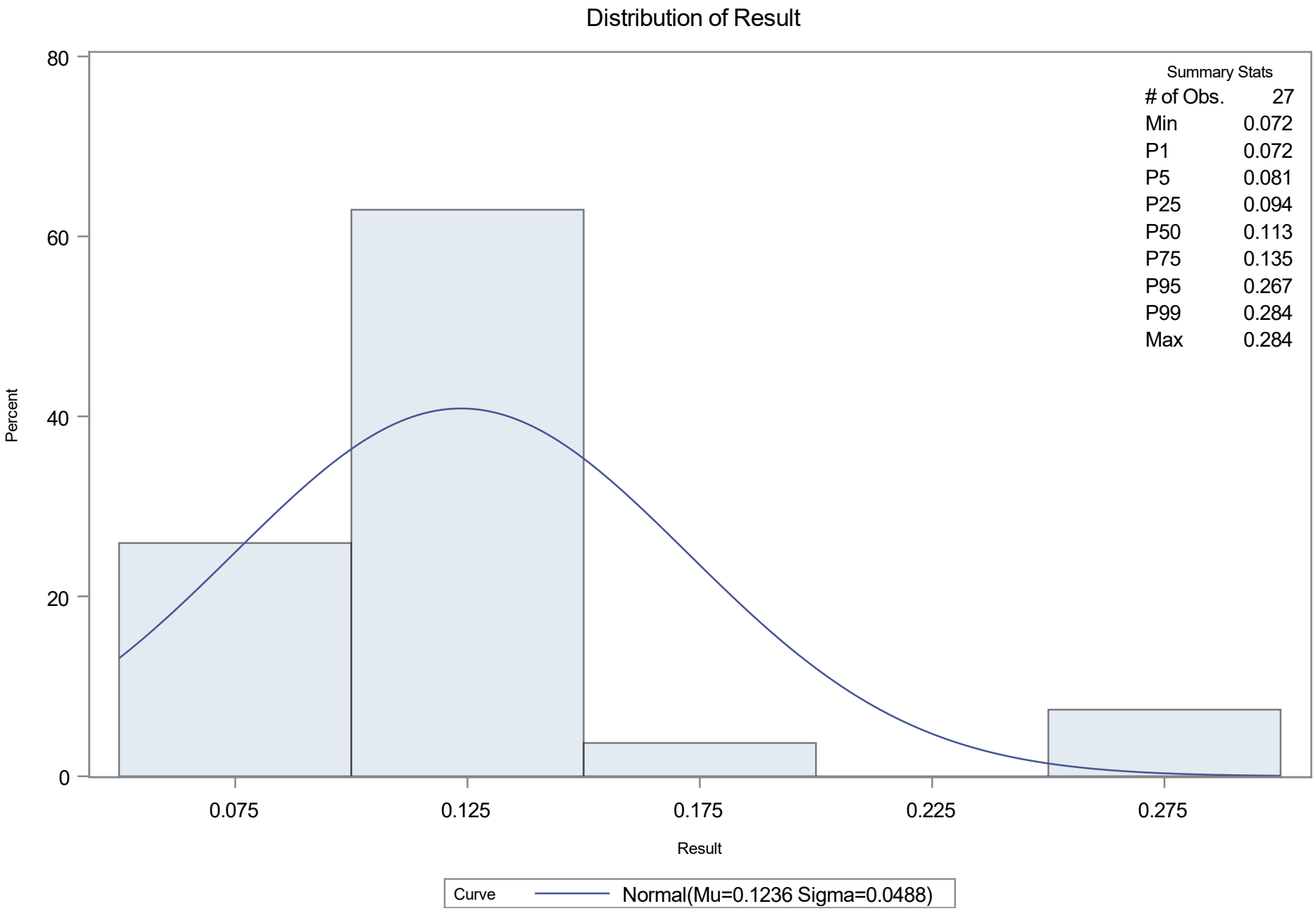
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.25
0.20
0.15
0.10
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.123593
Std Dev	Sigma	0.048799

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21933316	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.38390289	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.41643514	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07200	0.01007
5.0	0.08100	0.04333
10.0	0.08200	0.06105
25.0	0.09400	0.09068
50.0	0.11300	0.12359
75.0	0.13500	0.15651
90.0	0.15700	0.18613
95.0	0.26700	0.20386
99.0	0.28400	0.23712

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

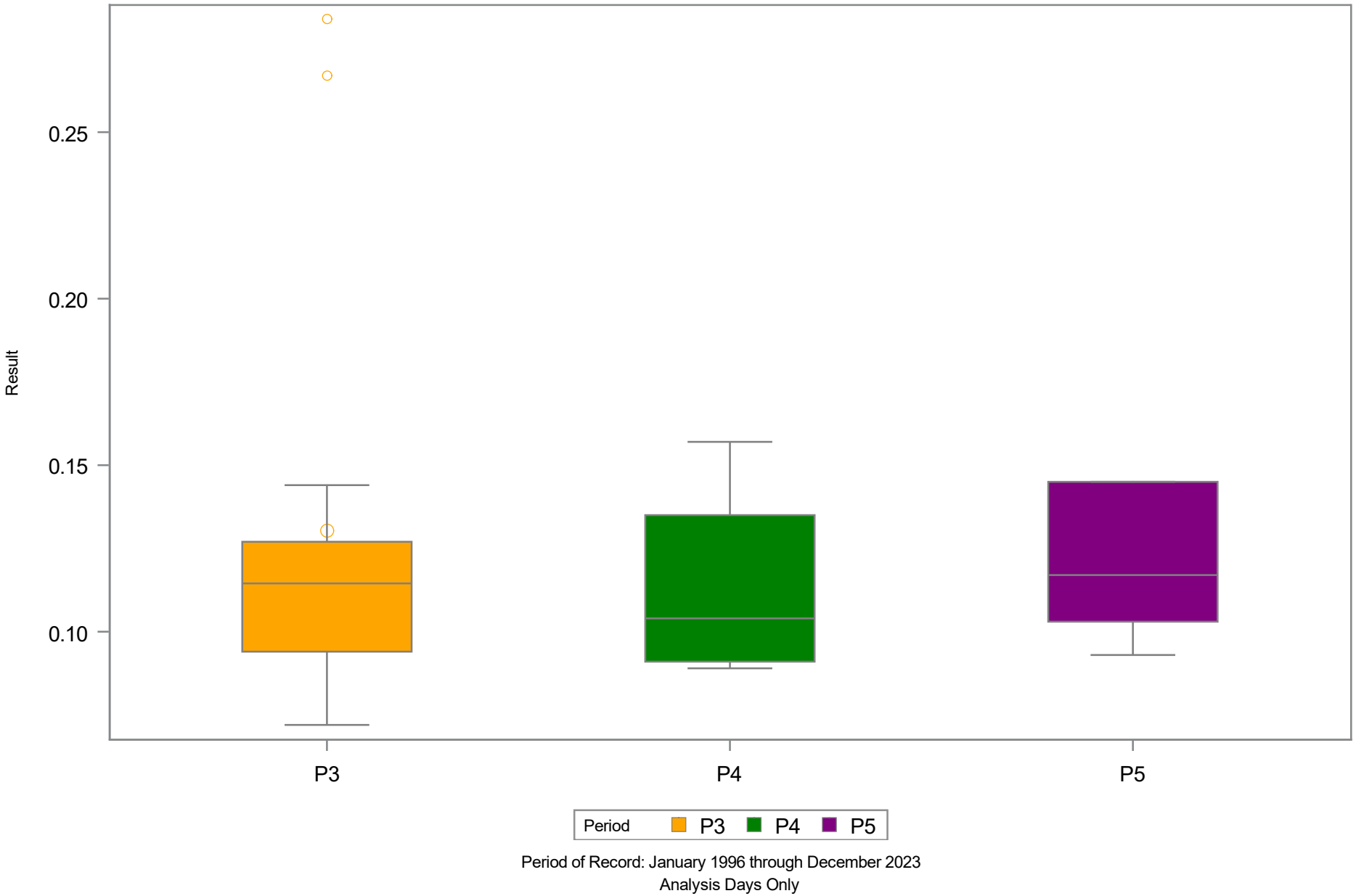
Distributional Statistics by Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	0.07	0.09	0.13	0.11	0.13	0.28
P4	7	0.09	0.09	0.11	0.10	0.14	0.16
P5	6	0.09	0.10	0.12	0.12	0.15	0.15

Period of Record: January 1996 through December 2023
Analysis Days Only

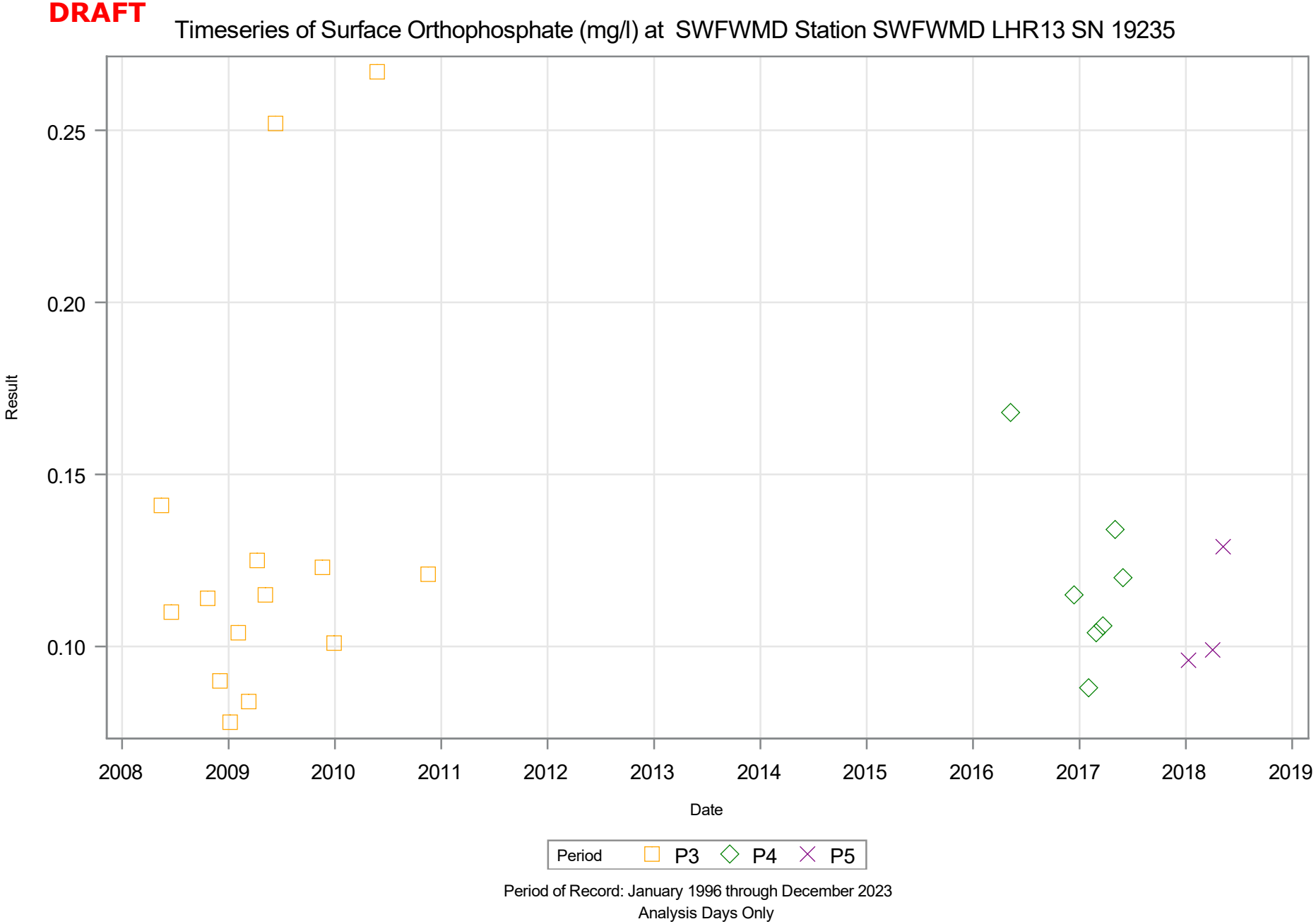
DRAFT

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



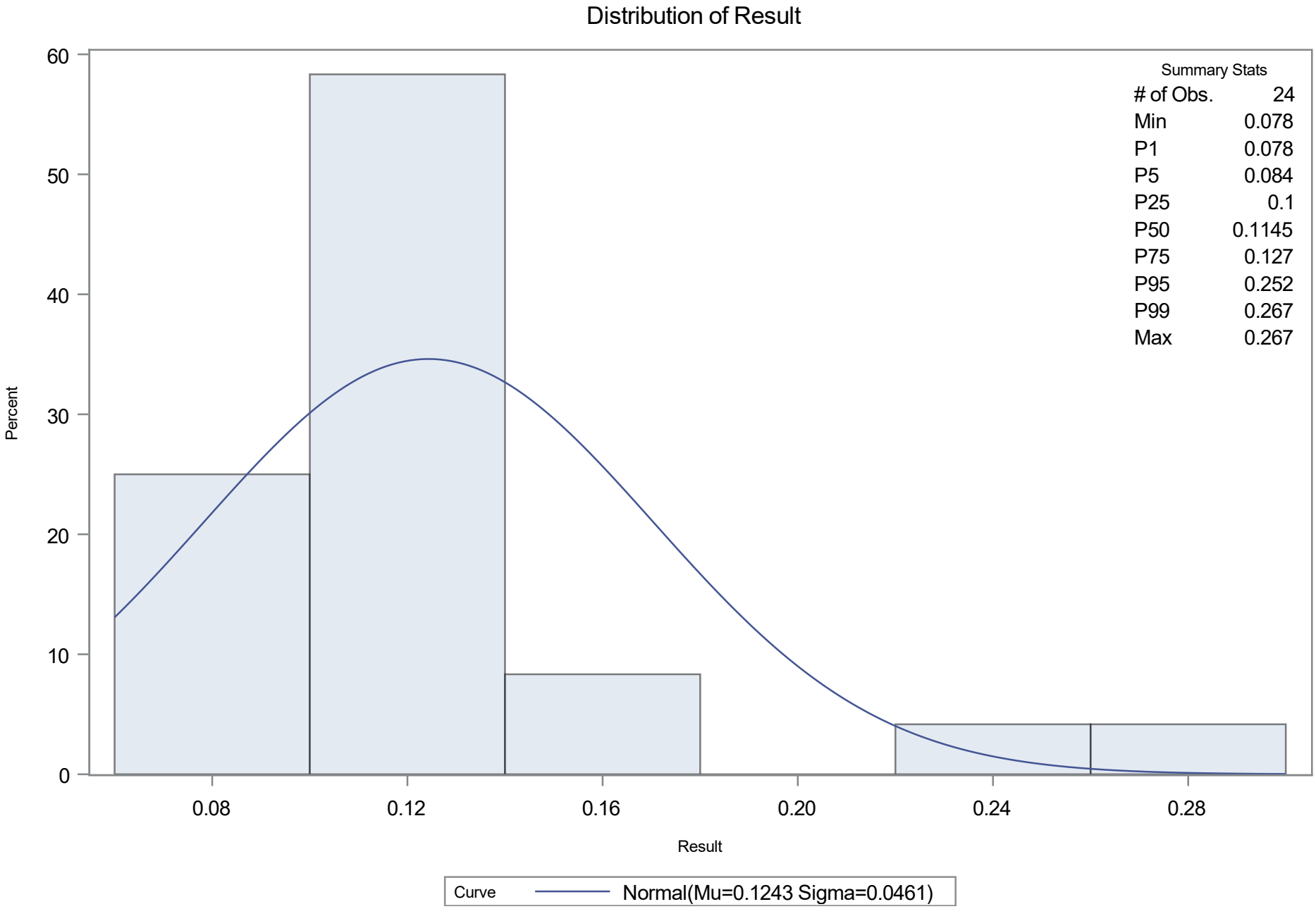
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
0.25
0.20
0.15
0.10
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.124333
Std Dev	Sigma	0.046107

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25135729	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.41156066	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.41339571	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07800	0.01707
5.0	0.08400	0.04849
10.0	0.08800	0.06524
25.0	0.10000	0.09323
50.0	0.11450	0.12433
75.0	0.12700	0.15543
90.0	0.16800	0.18342
95.0	0.25200	0.20017
99.0	0.26700	0.23159

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

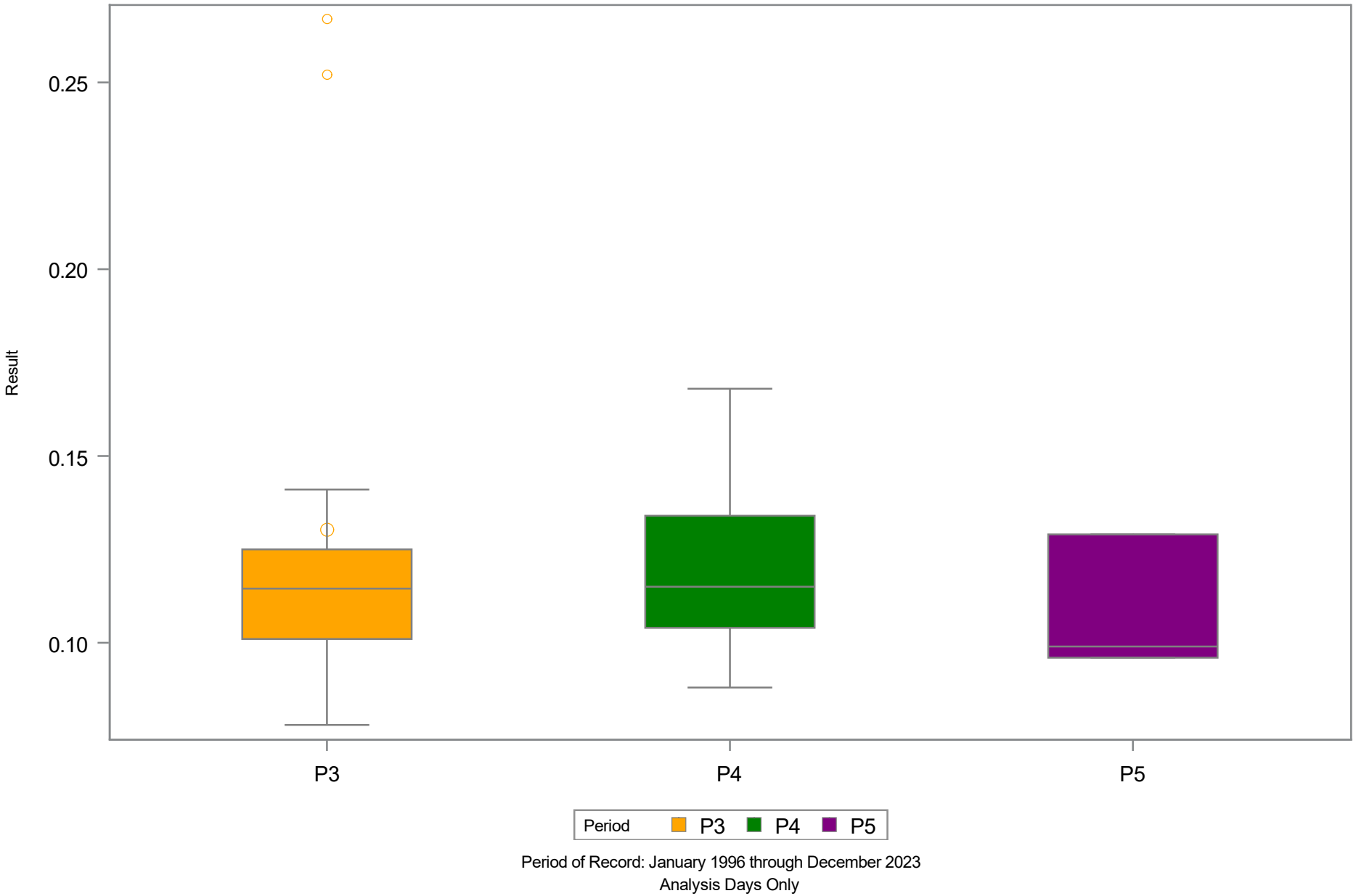
Distributional Statistics by Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	0.08	0.10	0.13	0.11	0.13	0.27
P4	7	0.09	0.10	0.12	0.12	0.13	0.17
P5	3	0.10	0.10	0.11	0.10	0.13	0.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

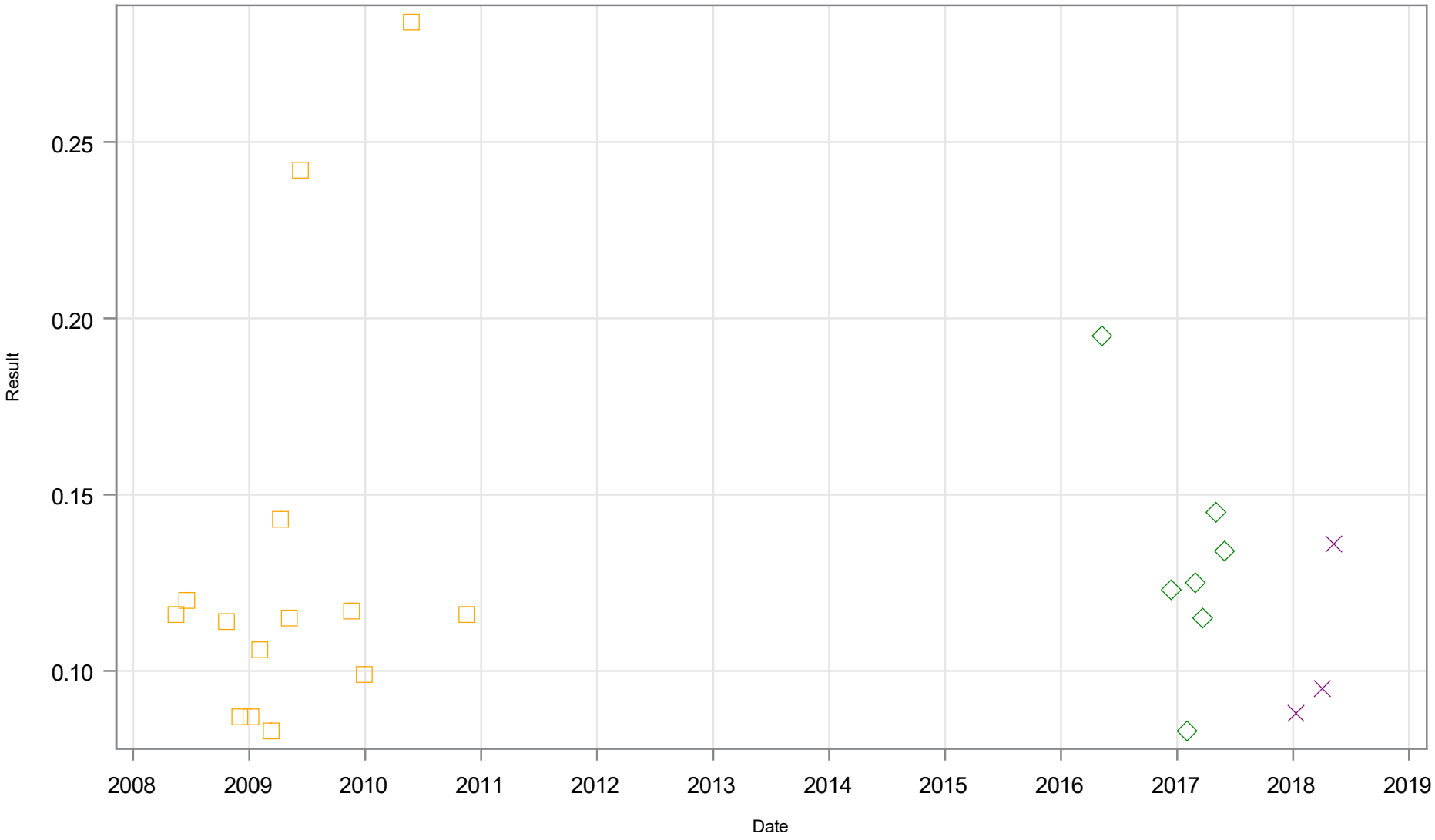
Boxplot by MFL Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

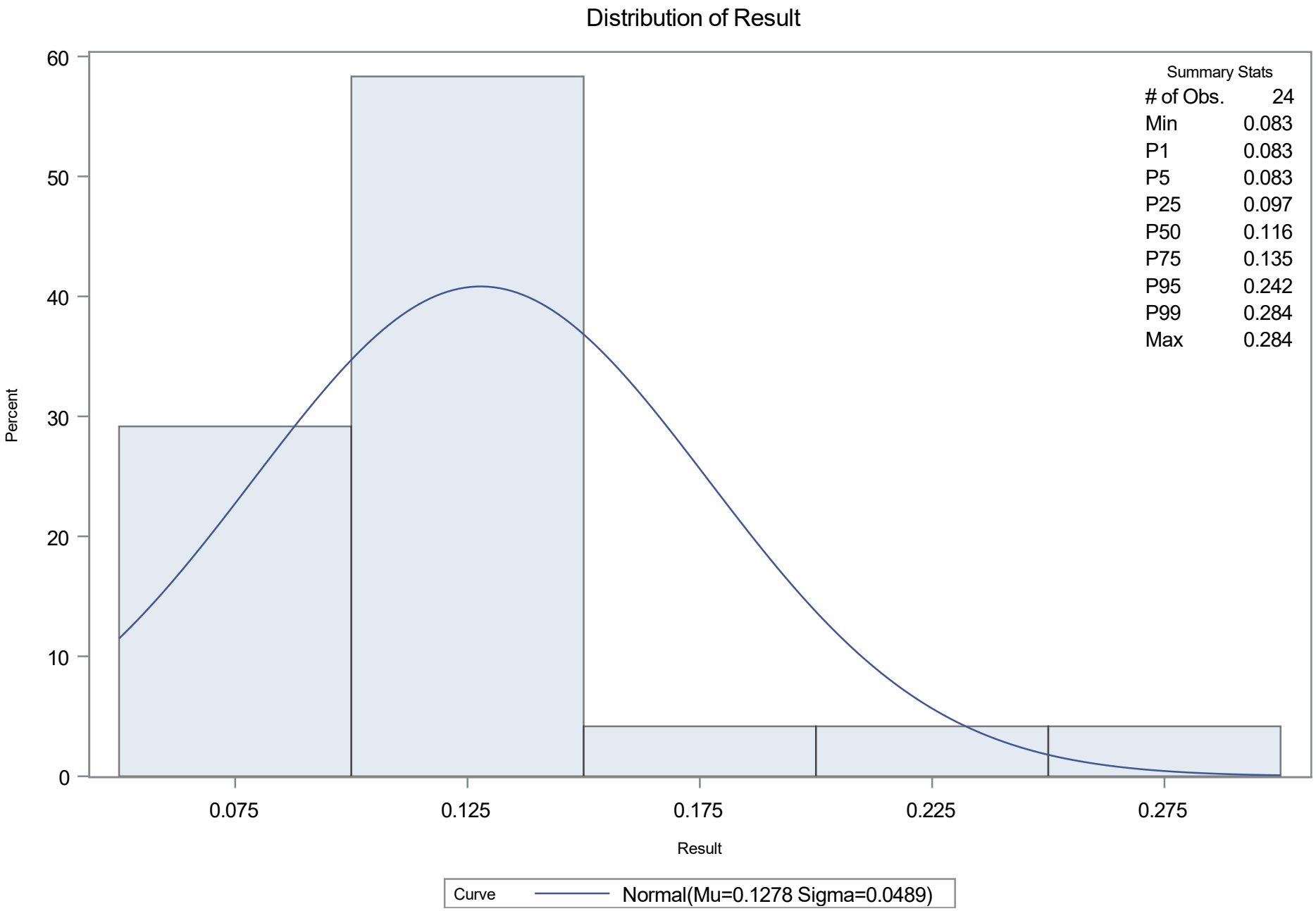
Timeseries of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.127833
Std Dev	Sigma	0.048857

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23765728	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.36825241	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.08353760	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.08300	0.01417
5.0	0.08300	0.04747
10.0	0.08700	0.06522
25.0	0.09700	0.09488
50.0	0.11600	0.12783
75.0	0.13500	0.16079
90.0	0.19500	0.19045
95.0	0.24200	0.20820
99.0	0.28400	0.24149

Period of Record: January 1996 through December 2023
Analysis Days Only

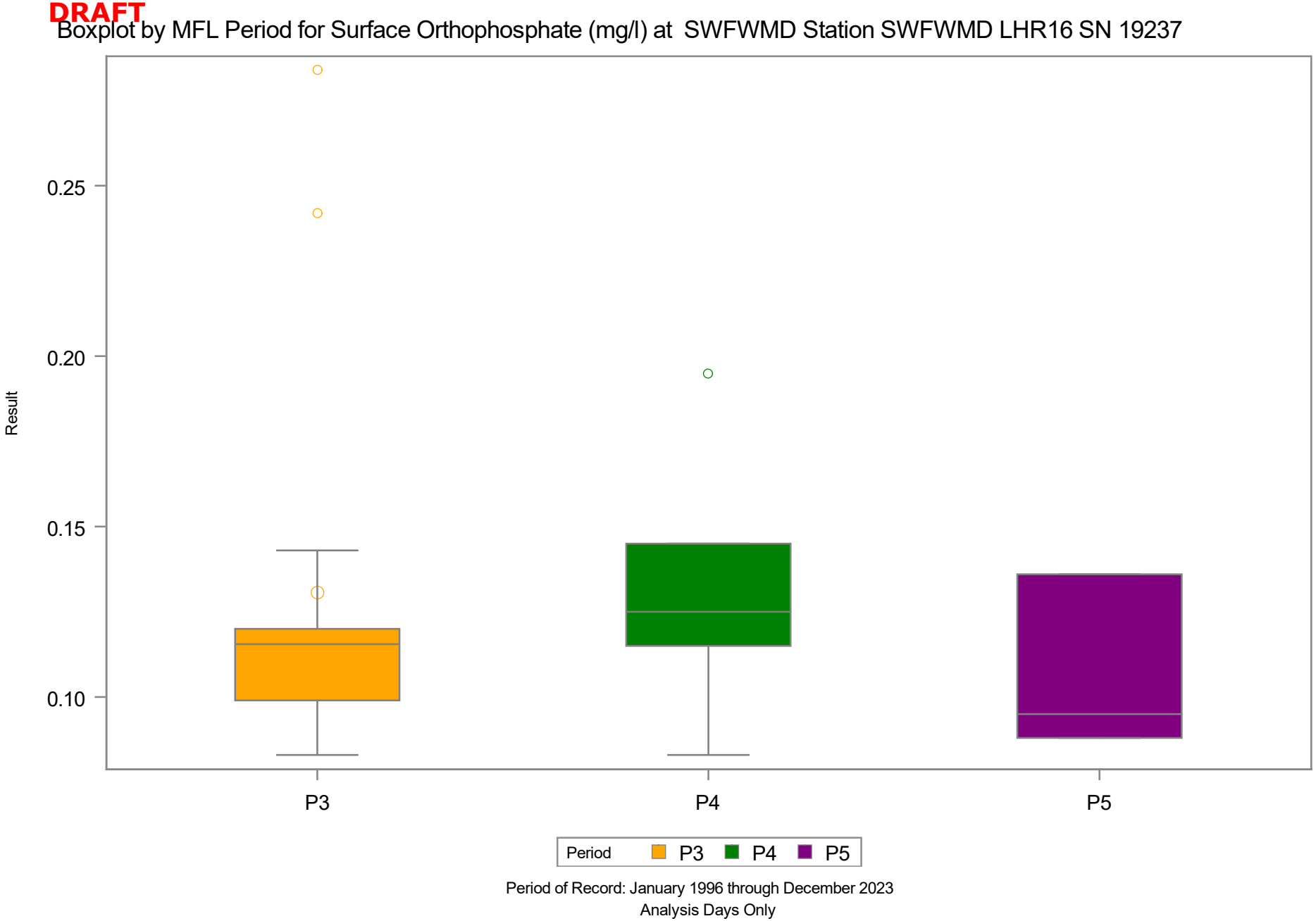
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

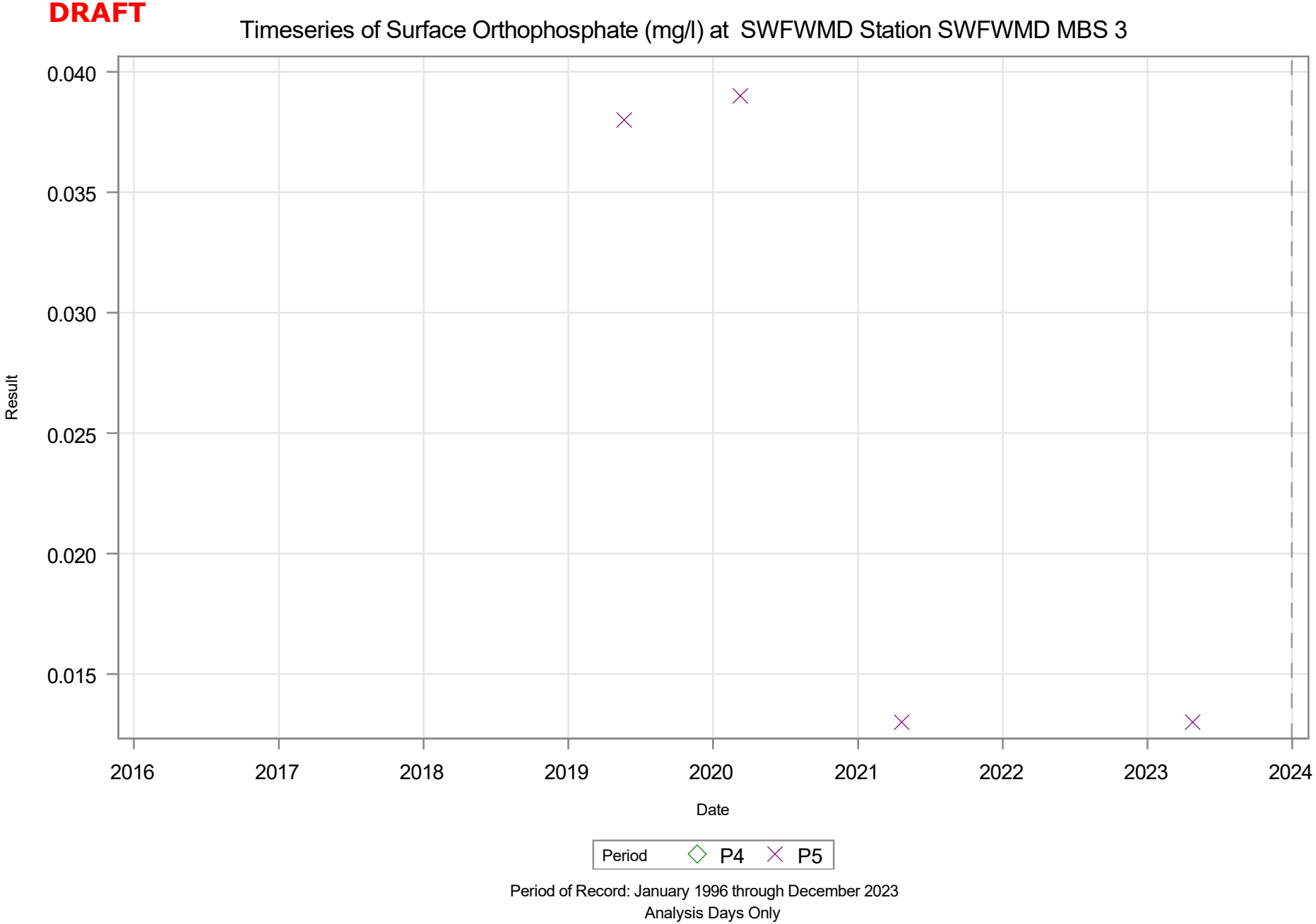
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	0.08	0.10	0.13	0.12	0.12	0.28
P4	7	0.08	0.12	0.13	0.13	0.15	0.20
P5	3	0.09	0.09	0.11	0.10	0.14	0.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

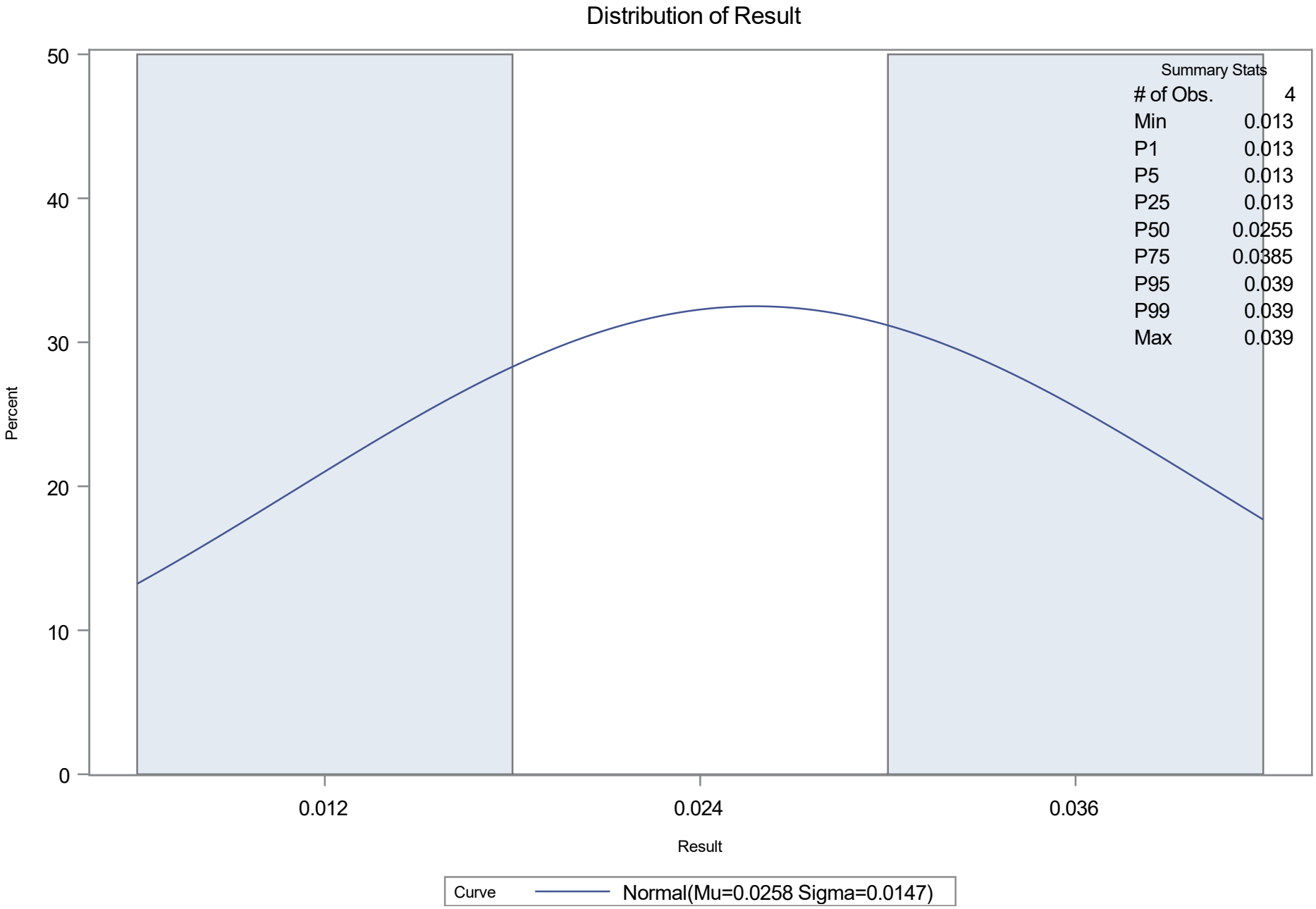

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
0.25
0.20
0.15
0.10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD MBS 3
0.040
0.035
0.030
0.025
0.020
0.015
Result
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.02575
Std Dev	Sigma	0.014728

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30667063	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09166668	**Pr > W-Sq**	0.103
Anderson-Darling	**A-Sq**	0.54706624	**Pr > A-Sq**	0.061

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01300	-0.00851
5.0	0.01300	0.00152
10.0	0.01300	0.00688
25.0	0.01300	0.01582
50.0	0.02550	0.02575
75.0	0.03850	0.03568
90.0	0.03900	0.04462
95.0	0.03900	0.04998
99.0	0.03900	0.06001

Period of Record: January 1996 through December 2023
Analysis Days Only

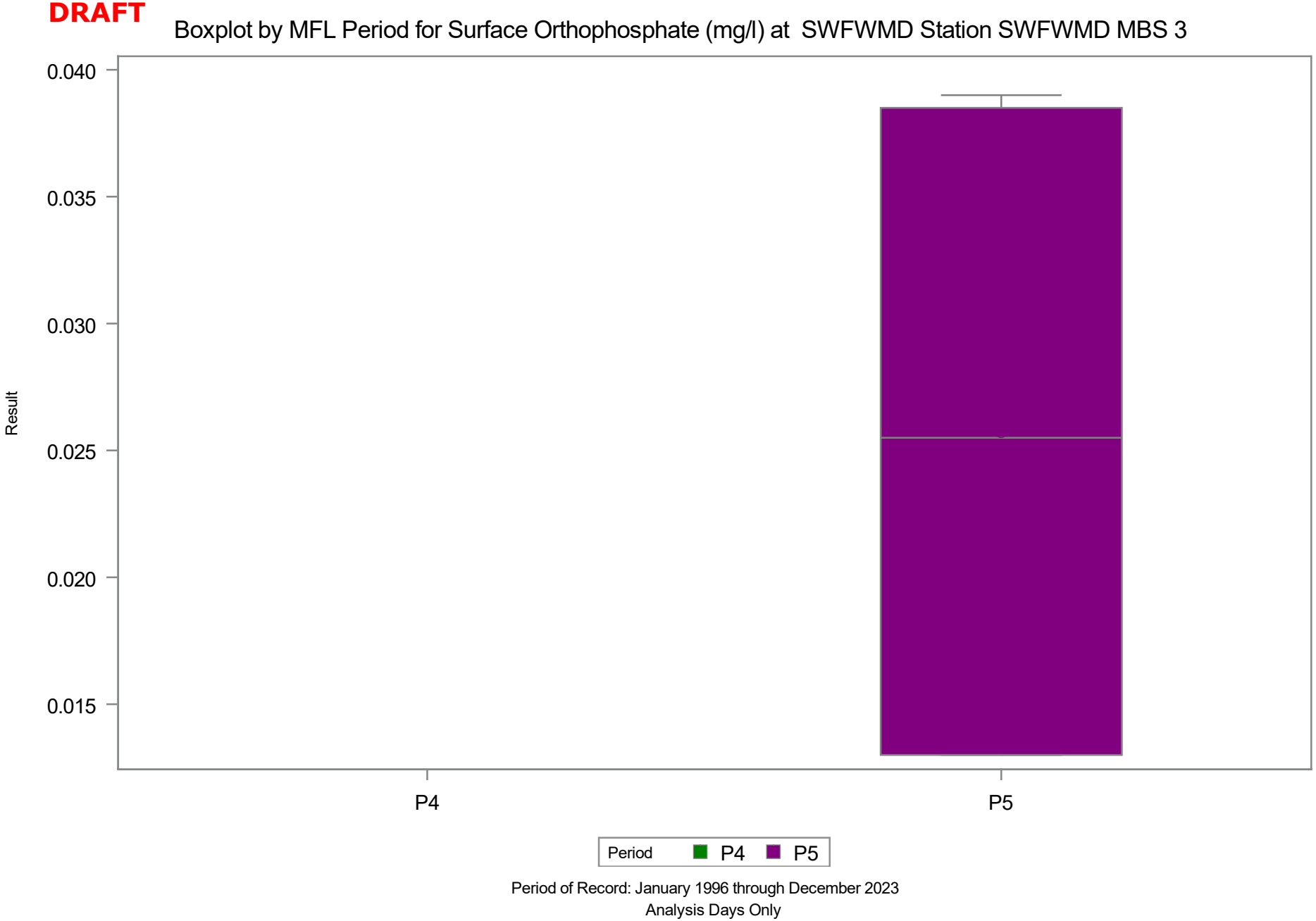
DRAFT

Distributional Statistics by Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD MBS 3

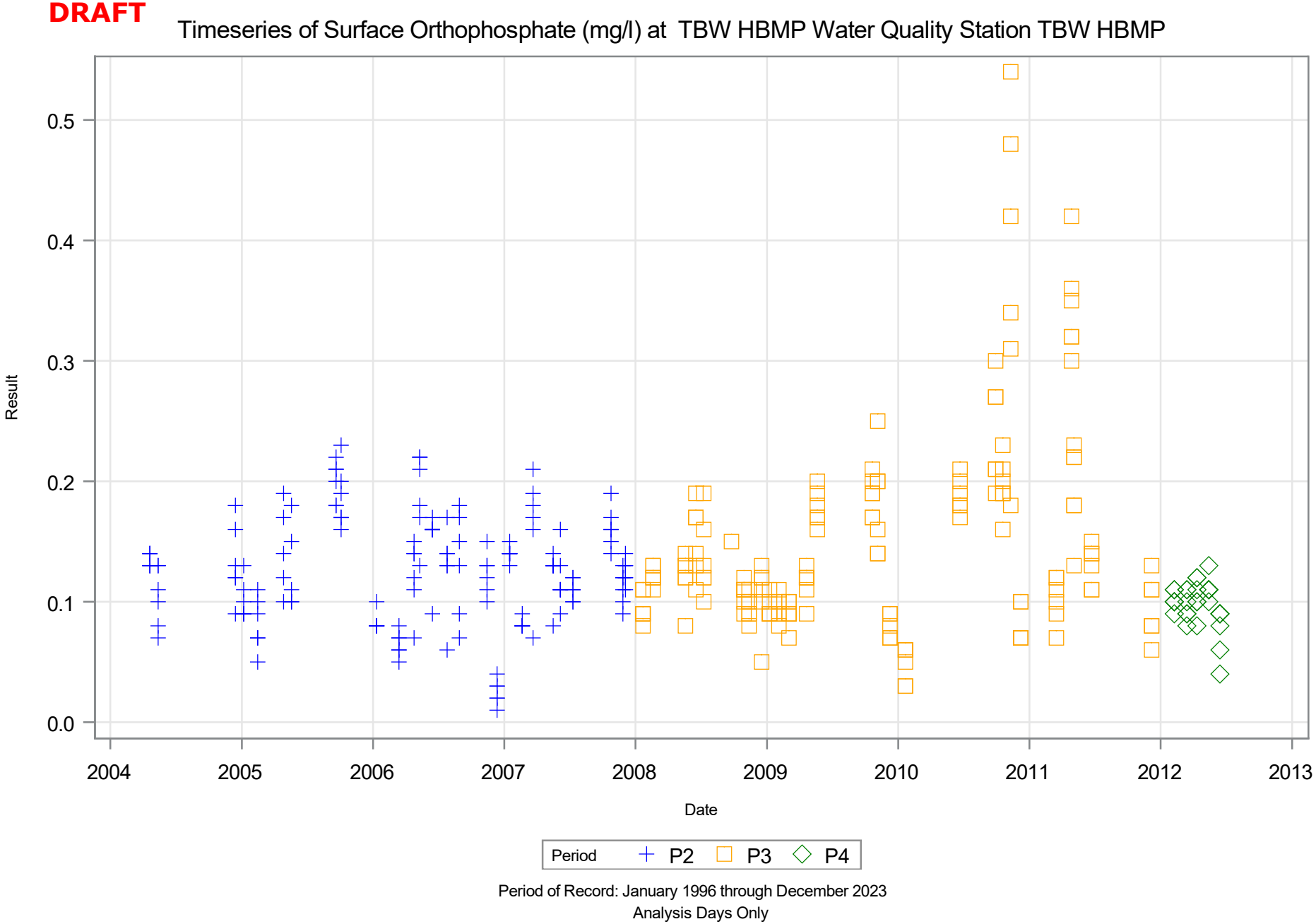
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	4	0.01	0.01	0.03	0.03	0.04	0.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

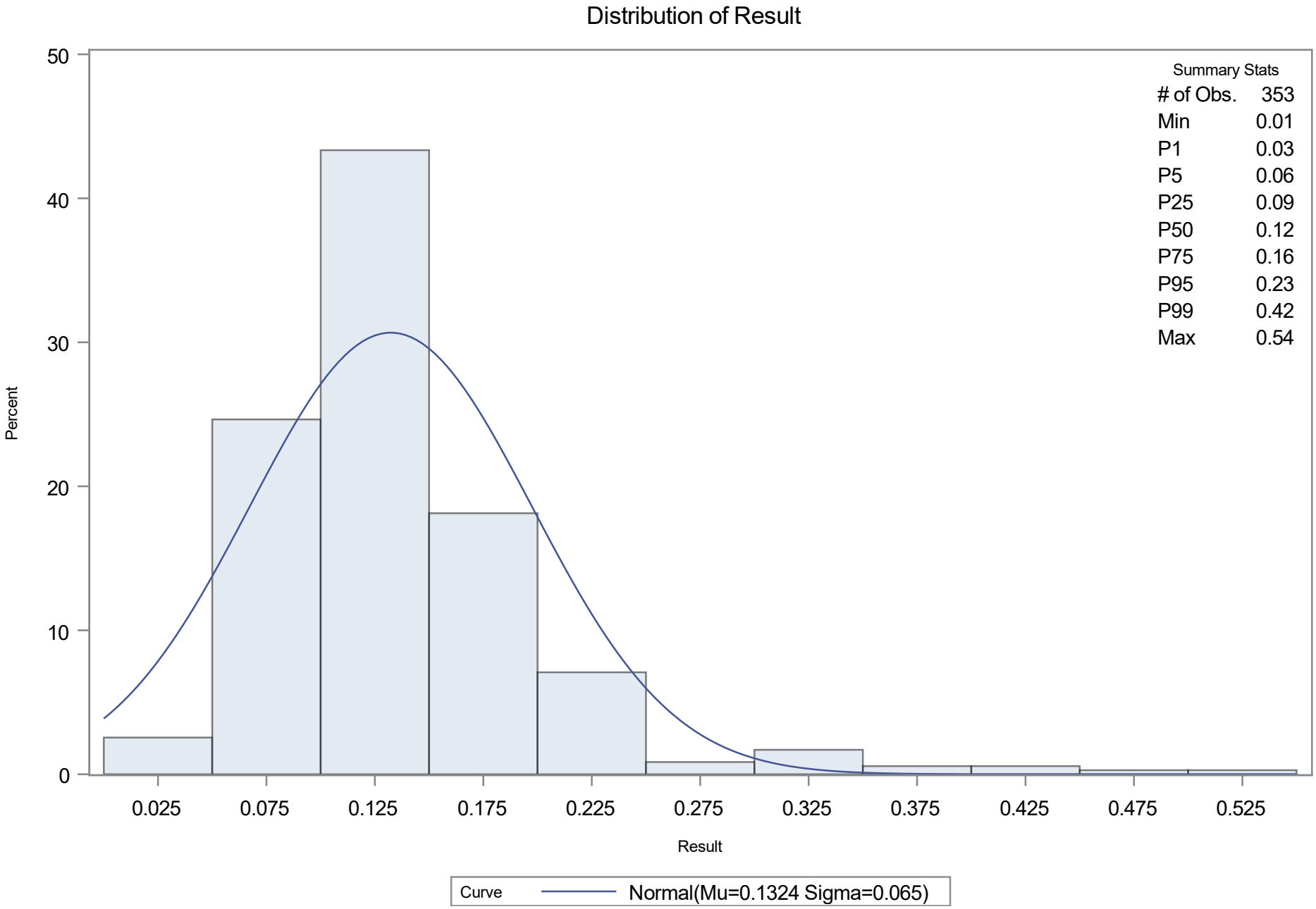

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at SWFWMD Station SWFWMD MBS 3
0.040
0.035
0.030
0.025
0.020
0.015
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Orthophosphate (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
0.0
0.1
0.2
0.3
0.4
0.5
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.132351
Std Dev	Sigma	0.065038

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1603119	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.0176677	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.9070349	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.03000	-0.01895
5.0	0.06000	0.02537
10.0	0.07000	0.04900
25.0	0.09000	0.08848
50.0	0.12000	0.13235
75.0	0.16000	0.17622
90.0	0.20000	0.21570
95.0	0.23000	0.23933
99.0	0.42000	0.28365

Period of Record: January 1996 through December 2023
Analysis Days Only

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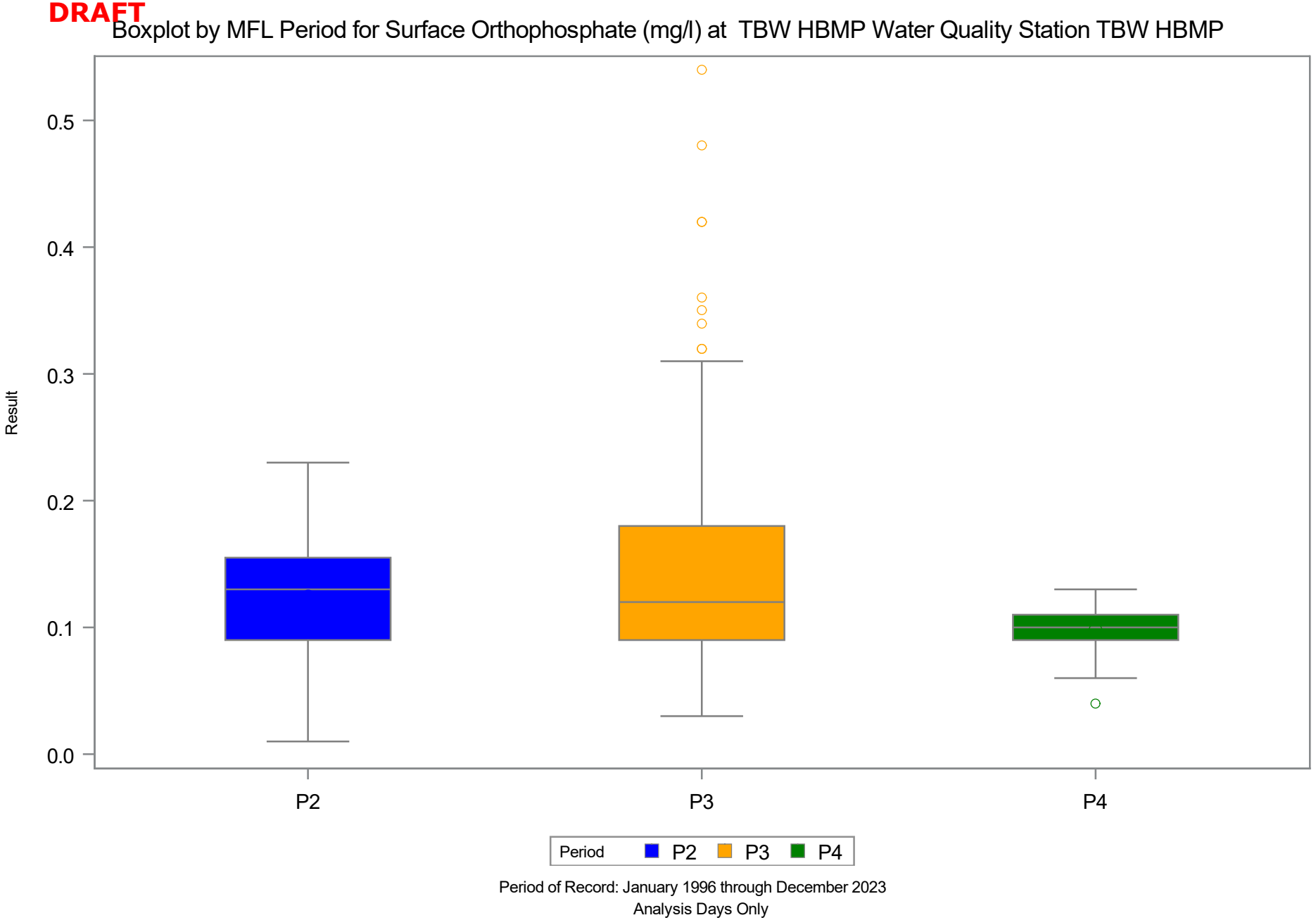
Distributional Statistics by Period for Surface Orthophosphate (mg/l) at TBW HBMP Water Quality Station TBW HBMP

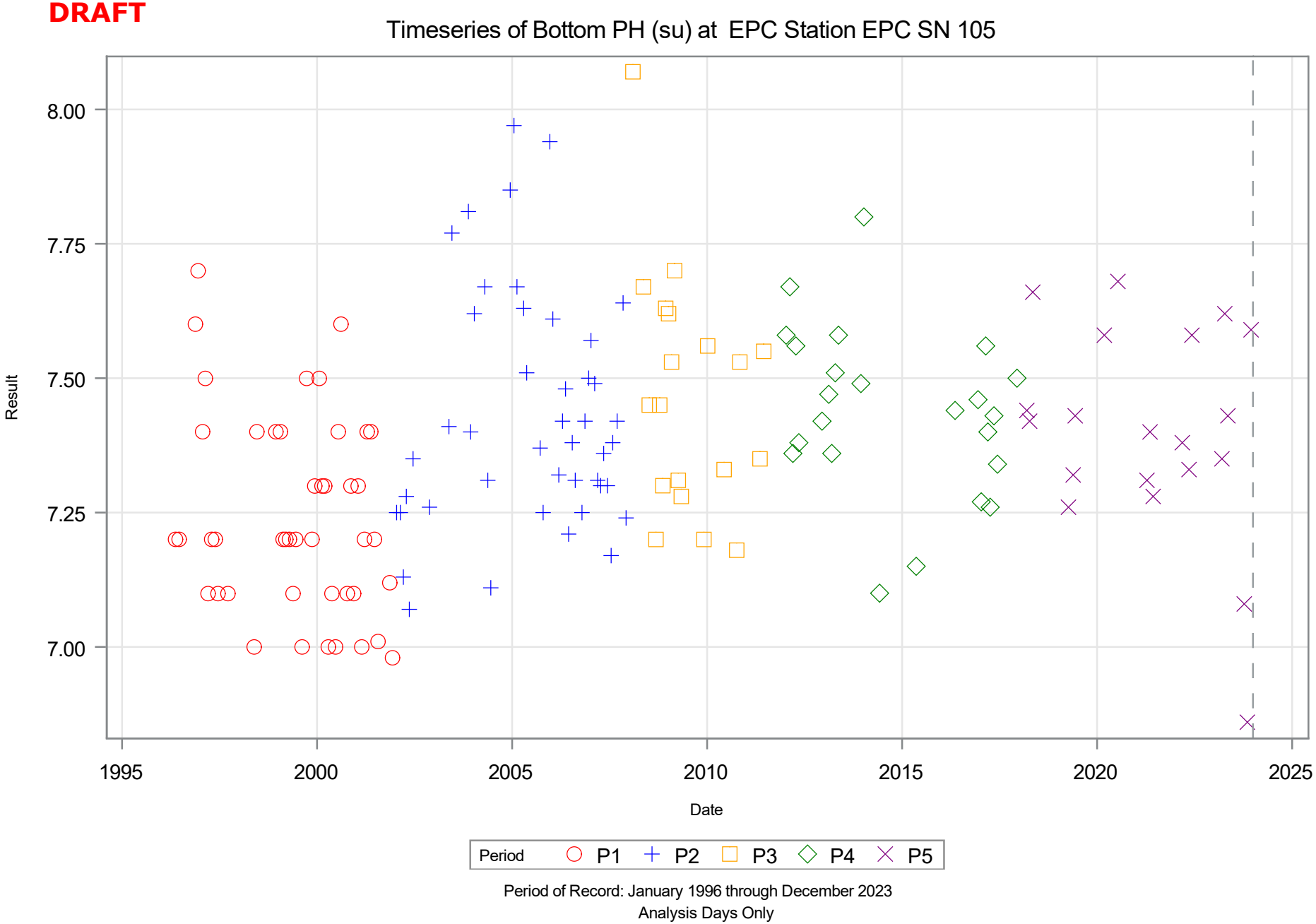
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	160	0.01	0.09	0.12	0.13	0.16	0.23
P3	163	0.03	0.09	0.15	0.12	0.18	0.54
P4	30	0.04	0.09	0.10	0.10	0.11	0.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

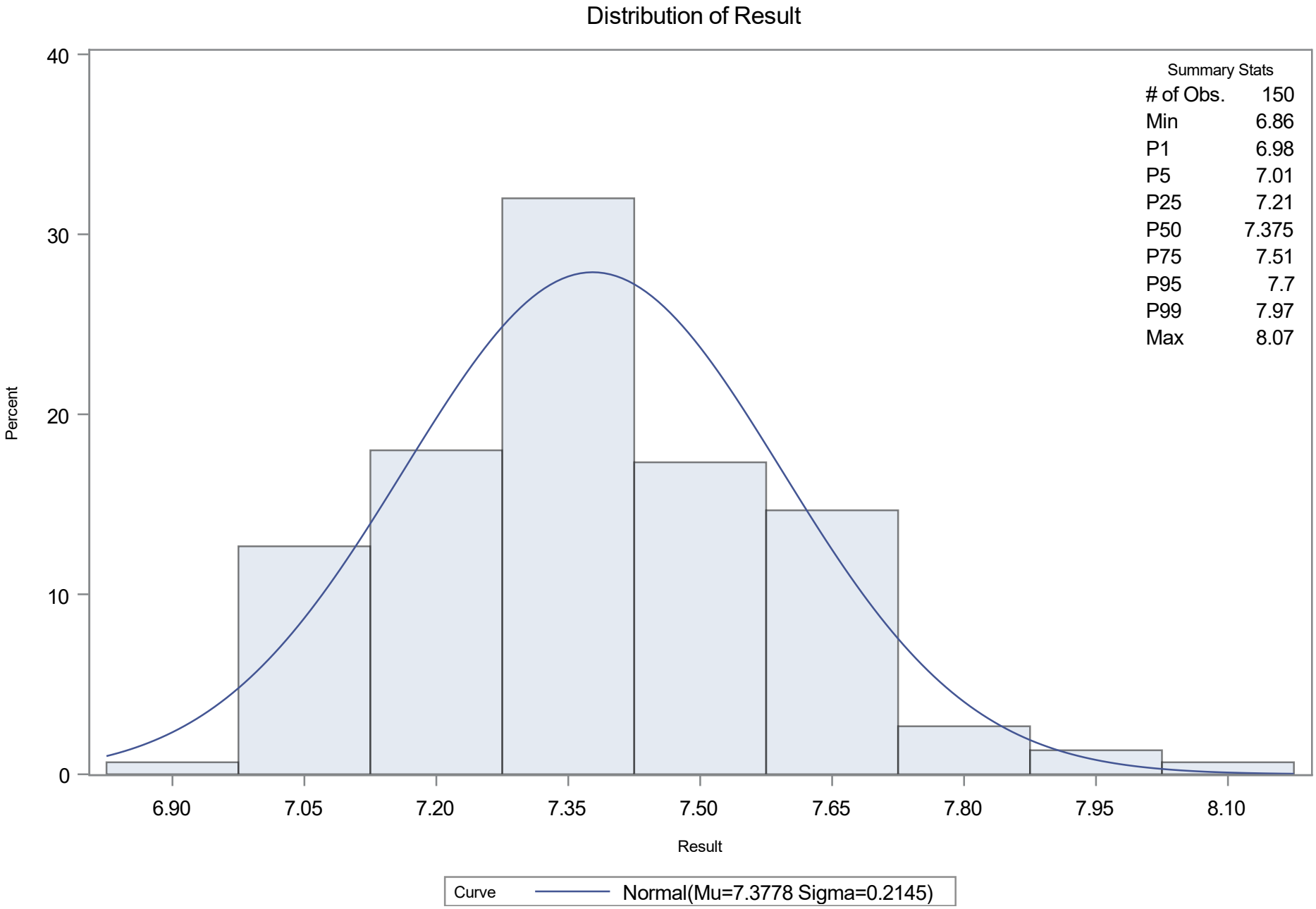

Boxplot by MFL Period for Surface Orthophosphate (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
0.5
0.4
0.3
0.2
0.1
0.0
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 105
Result
8.00
7.75
7.50
7.25
7.00
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.3778
Std Dev	Sigma	0.214538

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05721471	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06723555	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.45041035	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.98000	6.87871
5.0	7.01000	7.02492
10.0	7.10000	7.10286
25.0	7.21000	7.23310
50.0	7.37500	7.37780
75.0	7.51000	7.52250
90.0	7.65000	7.65274
95.0	7.70000	7.73068
99.0	7.97000	7.87689

Period of Record: January 1996 through December 2023
Analysis Days Only

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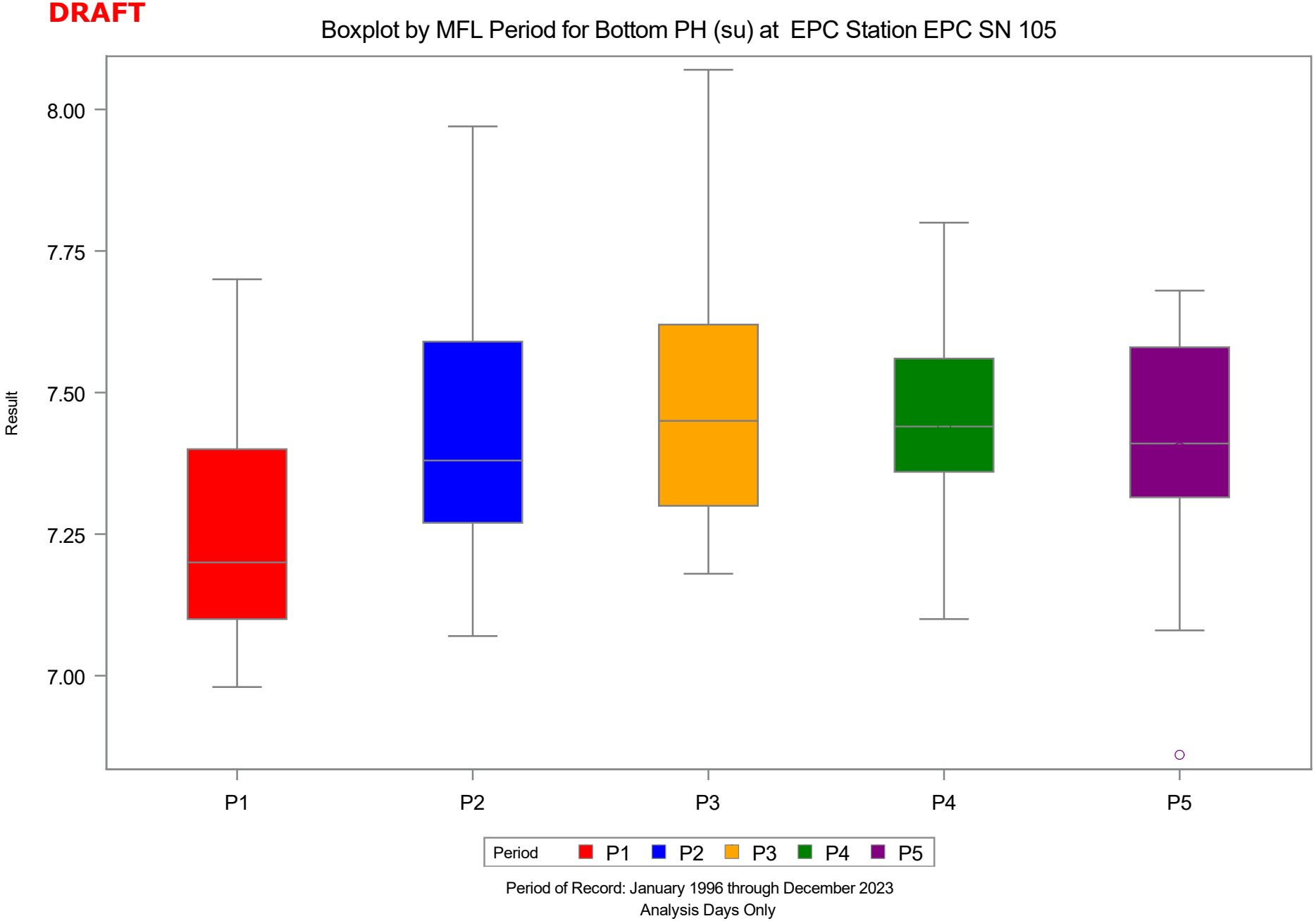
Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 105

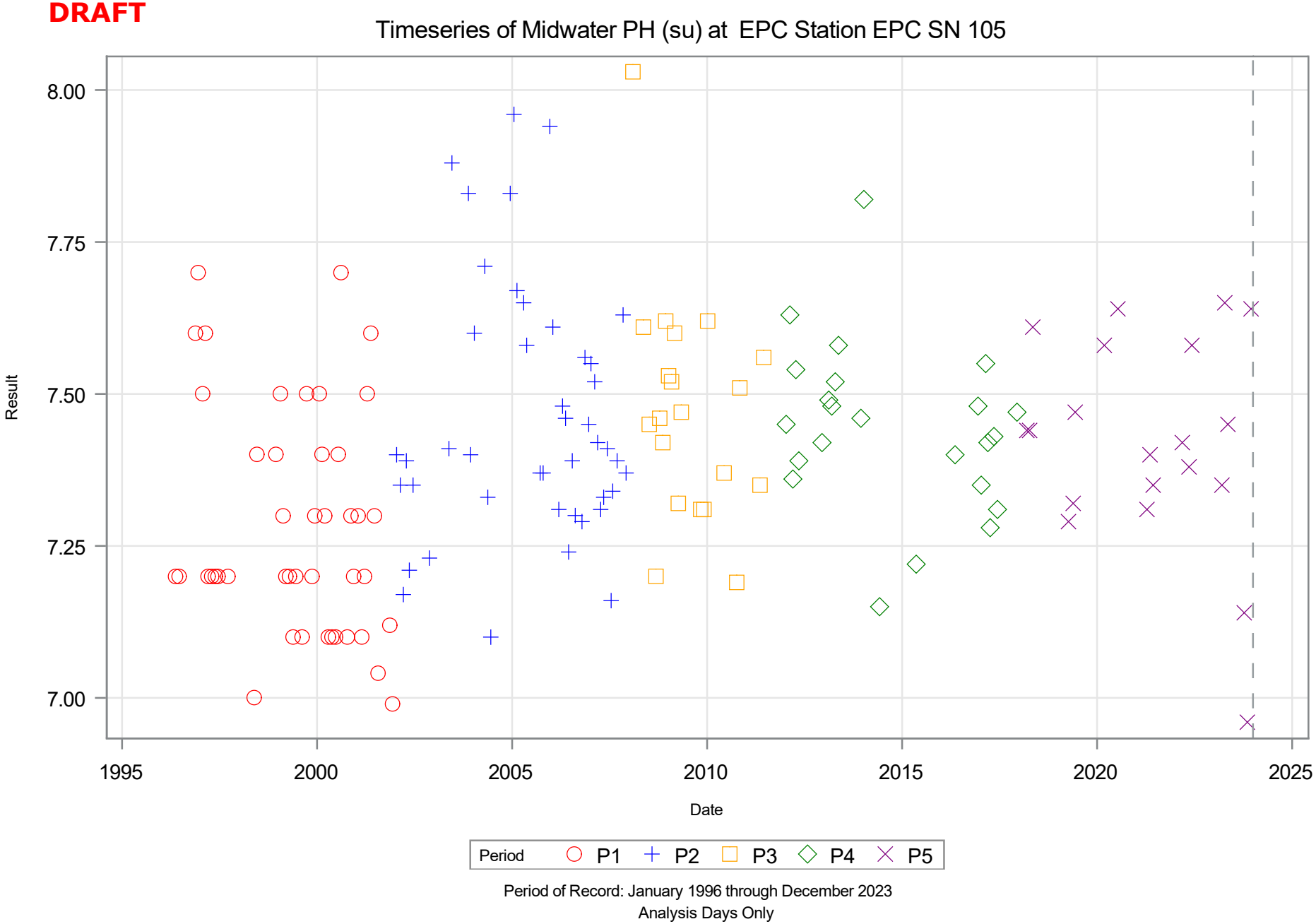
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	6.98	7.10	7.24	7.20	7.40	7.70
P2	44	7.07	7.27	7.43	7.38	7.59	7.97
P3	19	7.18	7.30	7.47	7.45	7.62	8.07
P4	23	7.10	7.36	7.44	7.44	7.56	7.80
P5	20	6.86	7.32	7.40	7.41	7.58	7.68

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 105
Result
8.00
7.75
7.50
7.25
7.00
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

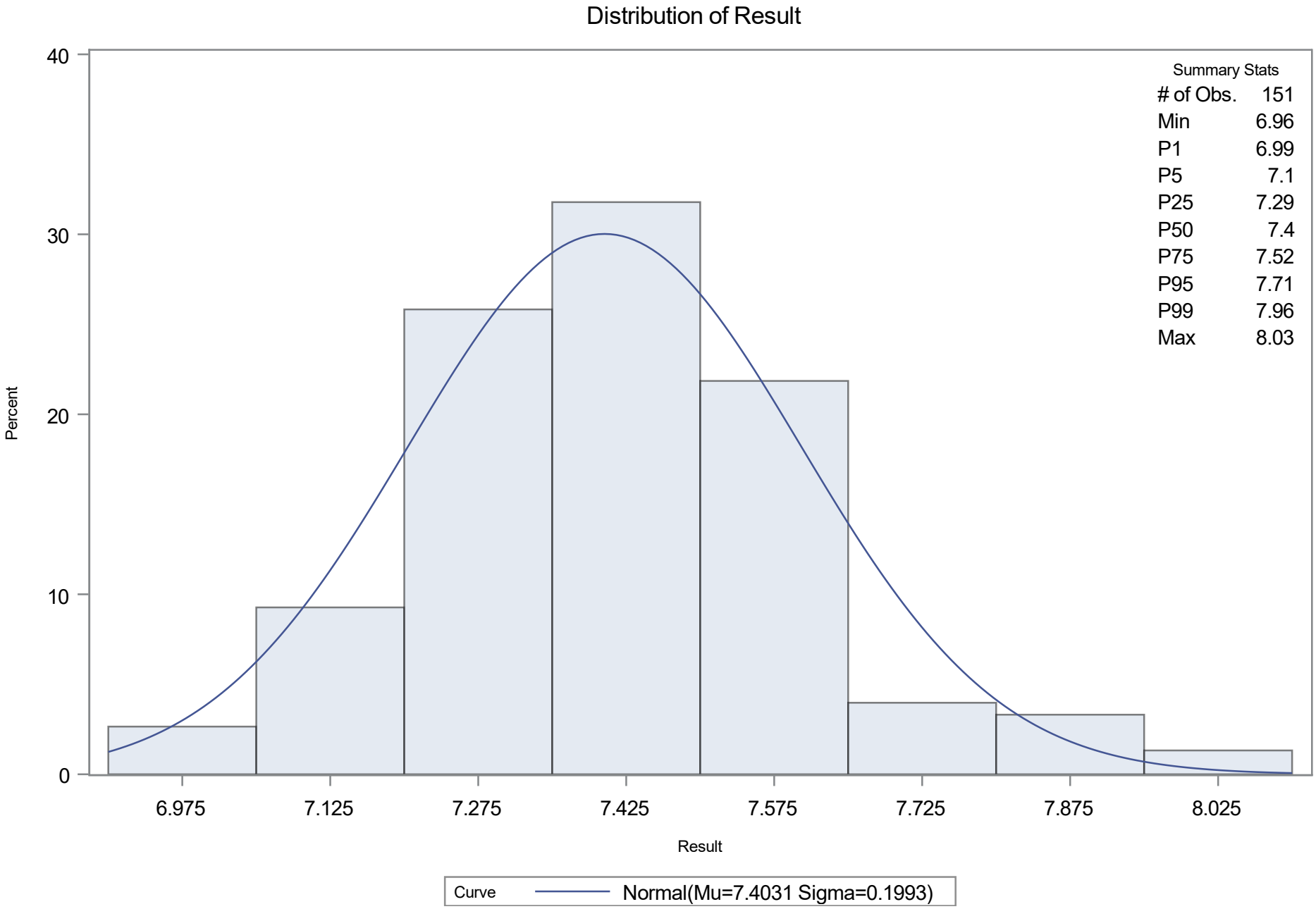
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.403113
Std Dev	Sigma	0.199329

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05781408	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07164445	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.58187548	**Pr > A-Sq**	0.133

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.99000	6.93940
5.0	7.10000	7.07524
10.0	7.16000	7.14766
25.0	7.29000	7.26867
50.0	7.40000	7.40311
75.0	7.52000	7.53756
90.0	7.63000	7.65856
95.0	7.71000	7.73098
99.0	7.96000	7.86682

Period of Record: January 1996 through December 2023
Analysis Days Only

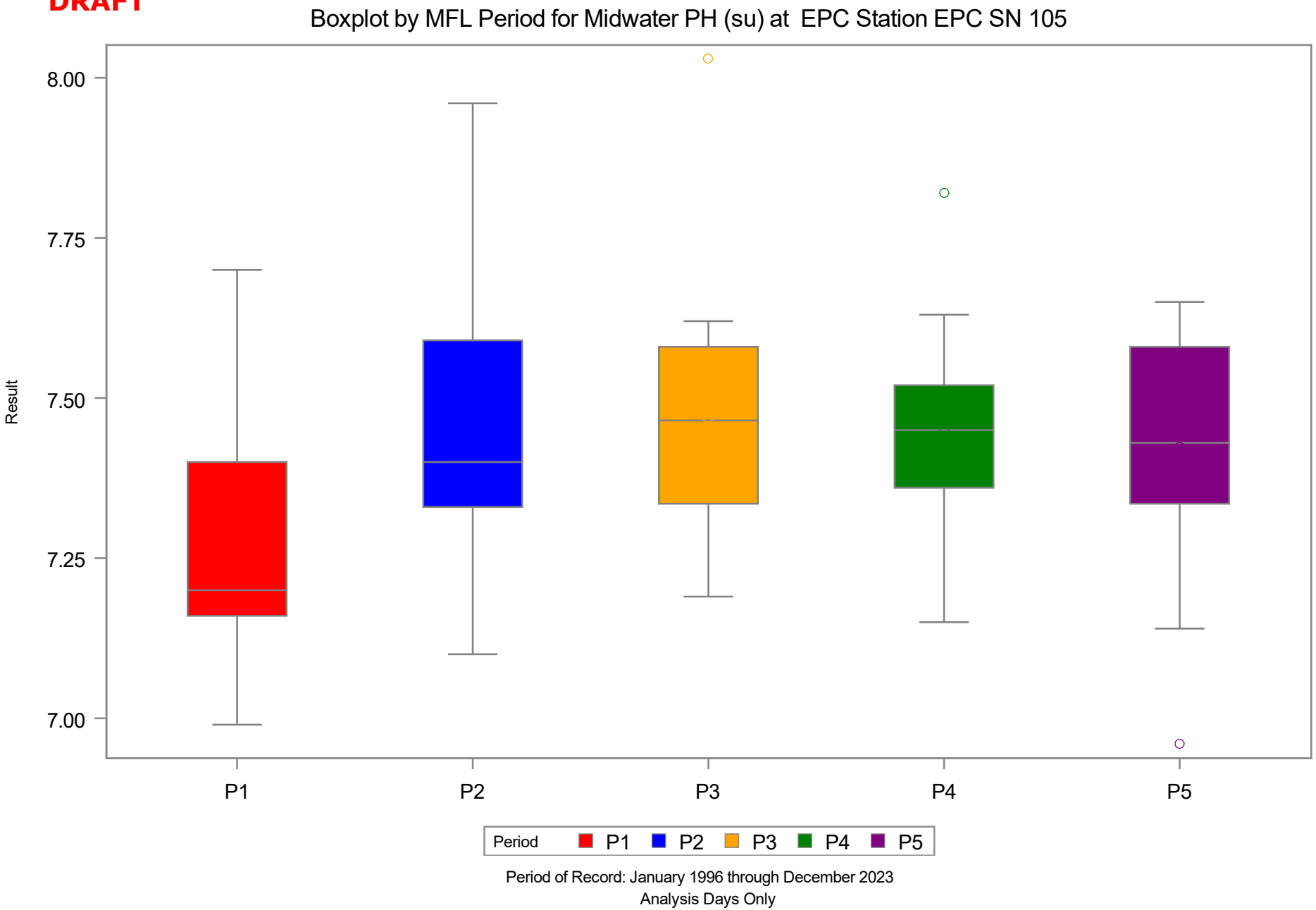
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 105

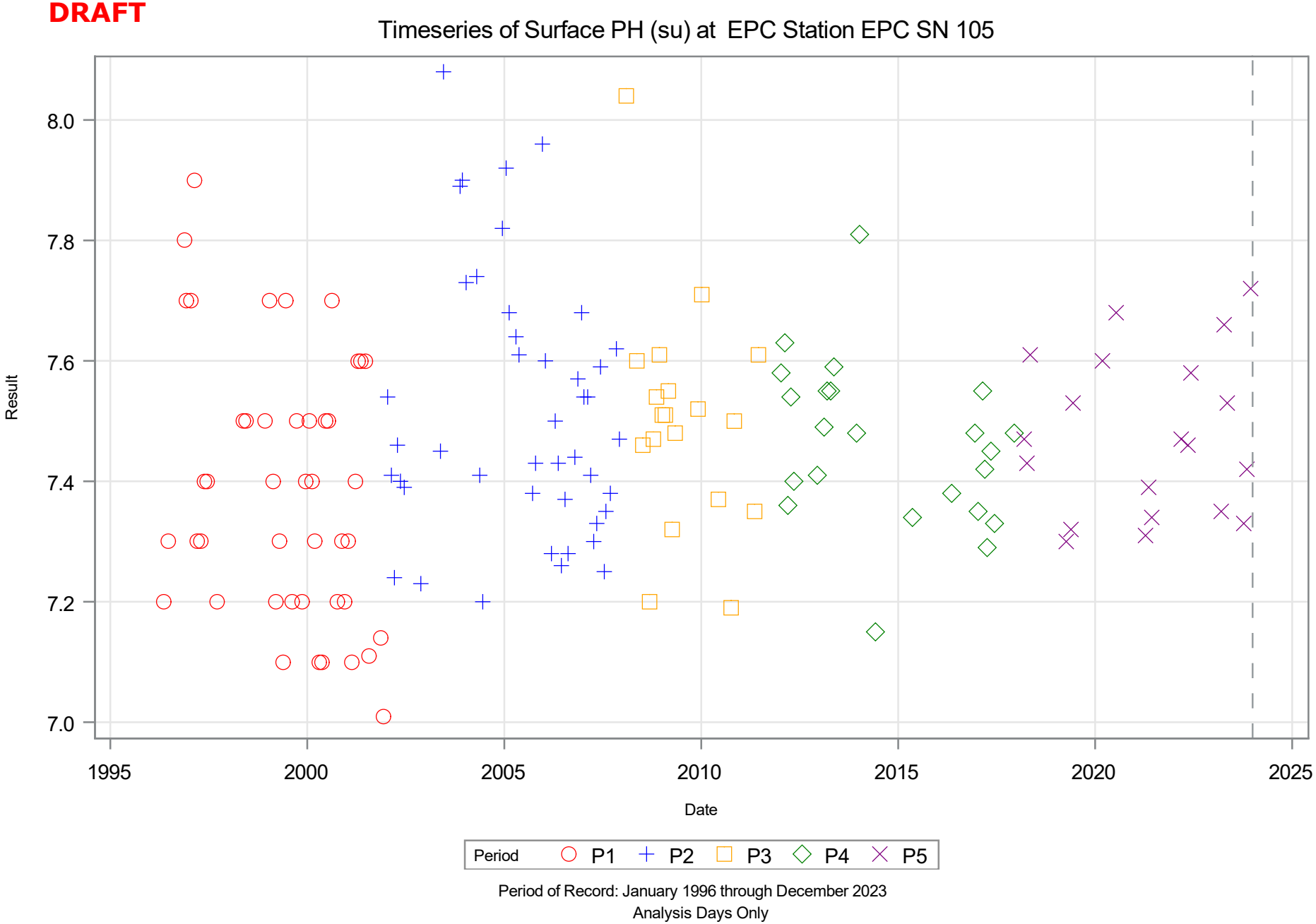
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	6.99	7.16	7.29	7.20	7.40	7.70
P2	44	7.10	7.33	7.46	7.40	7.59	7.96
P3	20	7.19	7.34	7.47	7.47	7.58	8.03
P4	23	7.15	7.36	7.44	7.45	7.52	7.82
P5	20	6.96	7.34	7.42	7.43	7.58	7.65

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

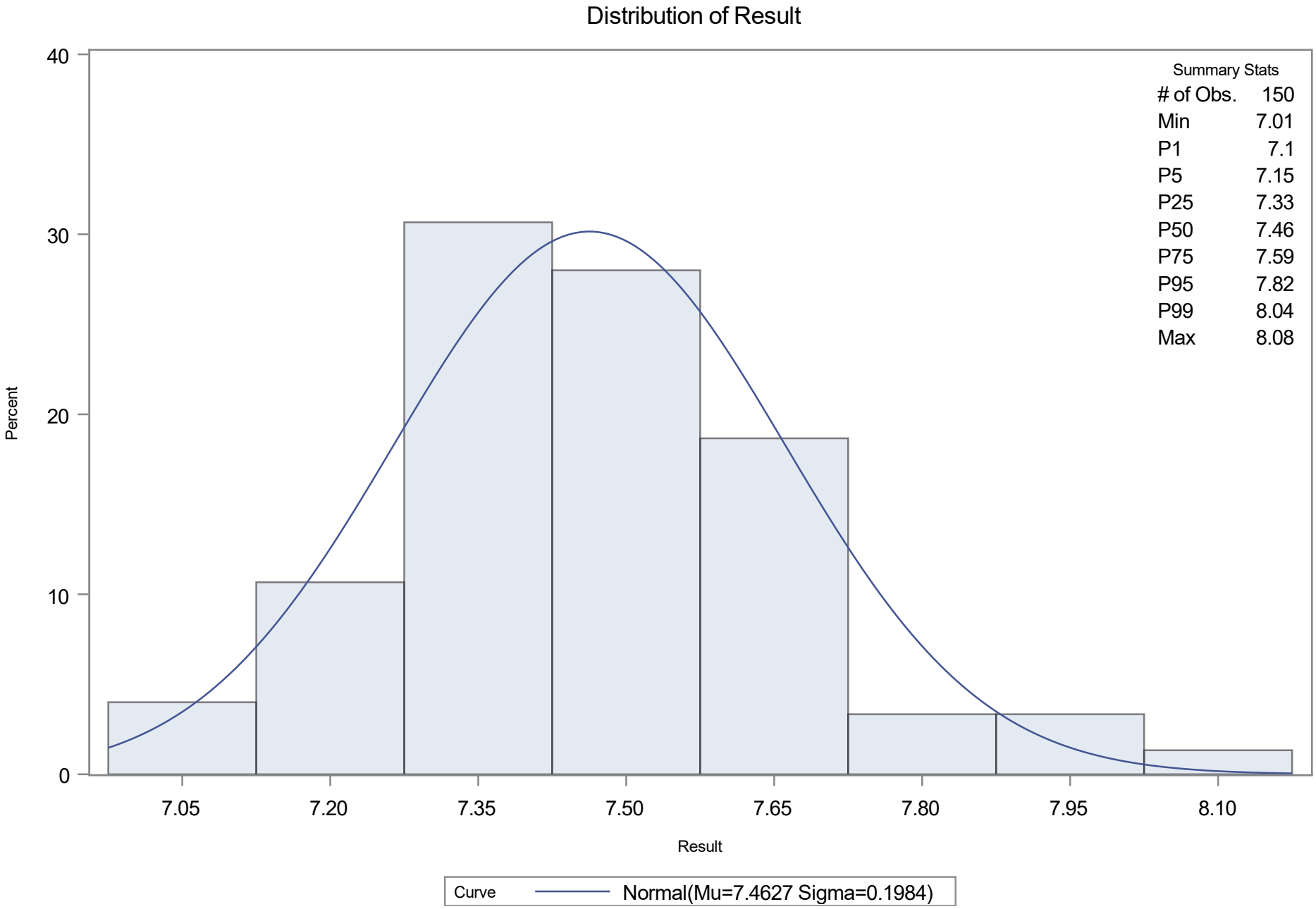

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 105
Result
8.00
7.75
7.50
7.25
7.00
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 105
Result
8.0
7.8
7.6
7.4
7.2
7.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.462733
Std Dev	Sigma	0.198447

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05885324	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07979623	**Pr > W-Sq**	0.214
Anderson-Darling	**A-Sq**	0.60132949	**Pr > A-Sq**	0.119

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.10000	7.00108
5.0	7.15000	7.13632
10.0	7.20000	7.20841
25.0	7.33000	7.32888
50.0	7.46000	7.46273
75.0	7.59000	7.59658
90.0	7.70000	7.71705
95.0	7.82000	7.78915
99.0	8.04000	7.92439

Period of Record: January 1996 through December 2023
Analysis Days Only

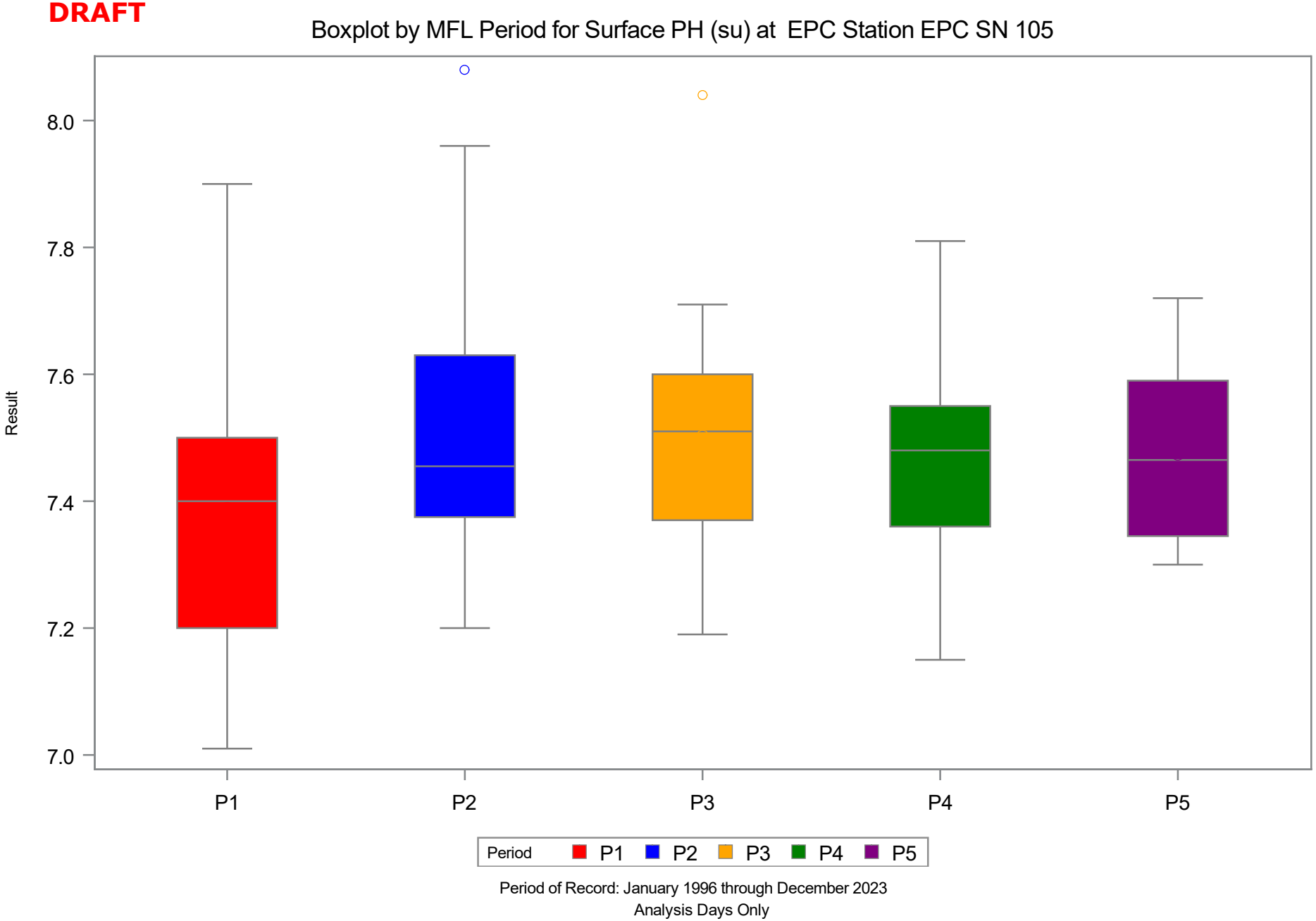
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 105

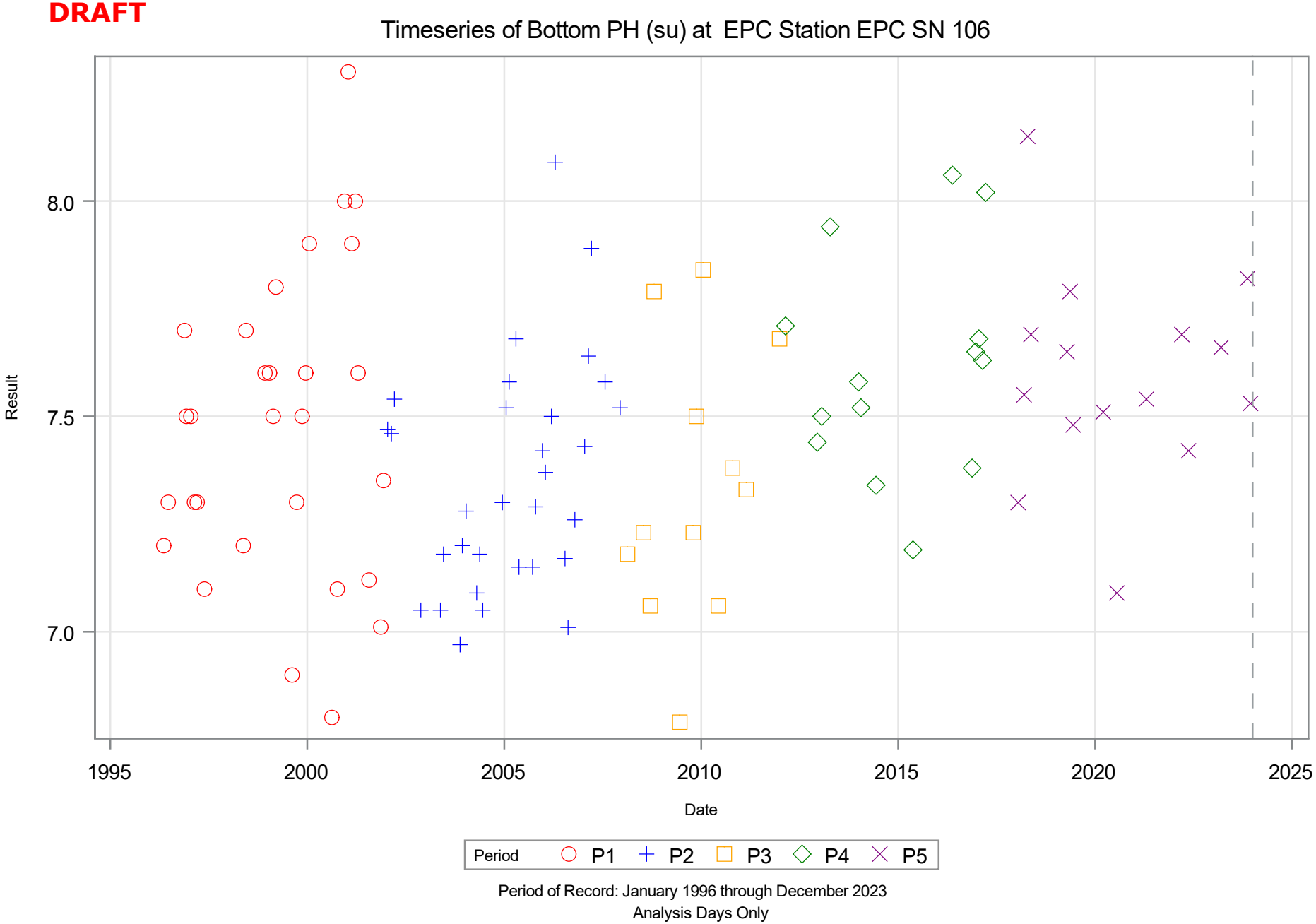
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.01	7.20	7.39	7.40	7.50	7.90
P2	44	7.20	7.38	7.52	7.46	7.63	8.08
P3	19	7.19	7.37	7.50	7.51	7.60	8.04
P4	23	7.15	7.36	7.46	7.48	7.55	7.81
P5	20	7.30	7.35	7.48	7.47	7.59	7.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

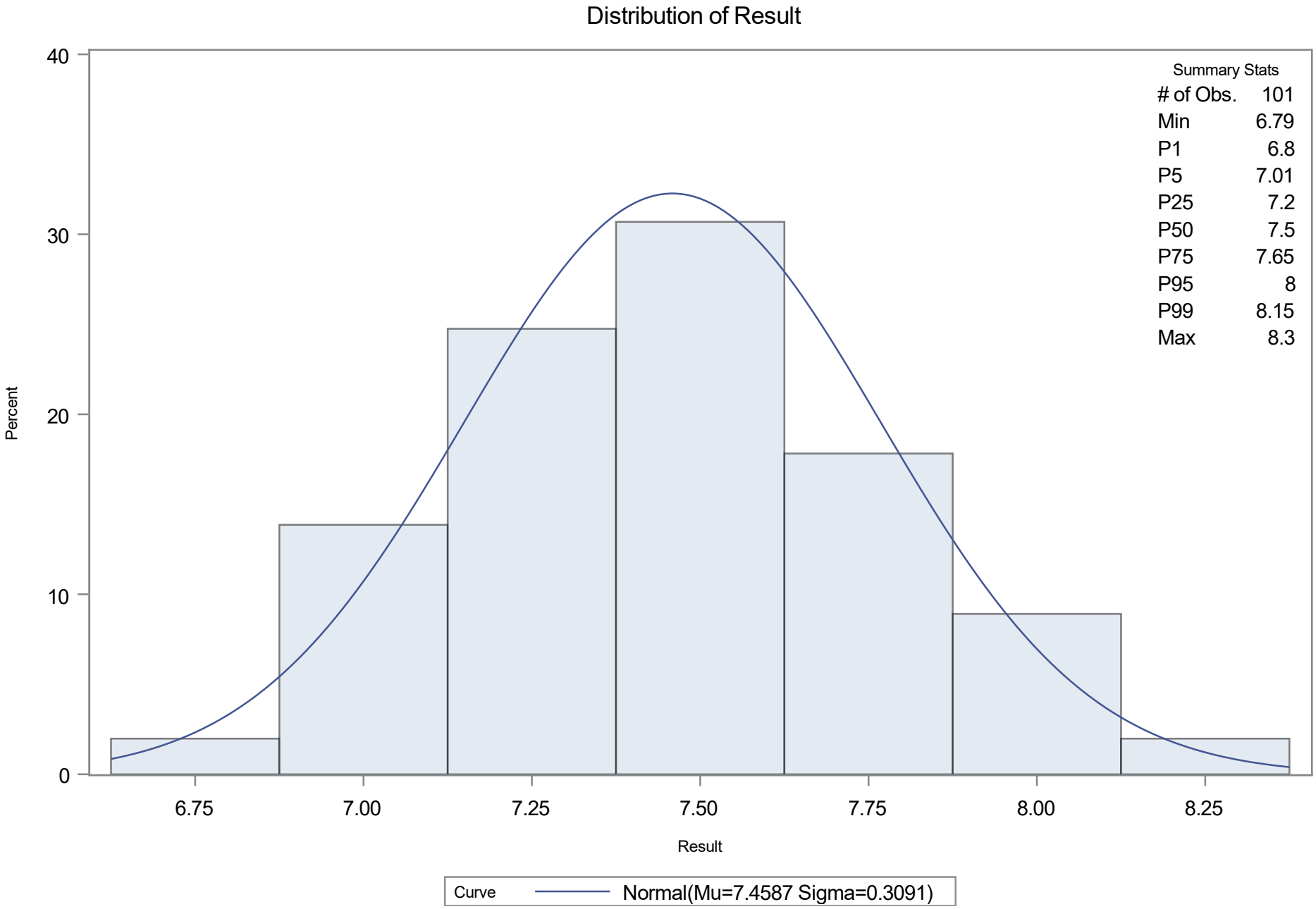

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 105
Result
8.0
7.8
7.6
7.4
7.2
7.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 106
Result
8.0
7.5
7.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.458713
Std Dev	Sigma	0.309072

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06254097	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05381157	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35394990	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.80000	6.73970
5.0	7.01000	6.95034
10.0	7.06000	7.06262
25.0	7.20000	7.25025
50.0	7.50000	7.45871
75.0	7.65000	7.66718
90.0	7.89000	7.85480
95.0	8.00000	7.96709
99.0	8.15000	8.17772

Period of Record: January 1996 through December 2023
Analysis Days Only

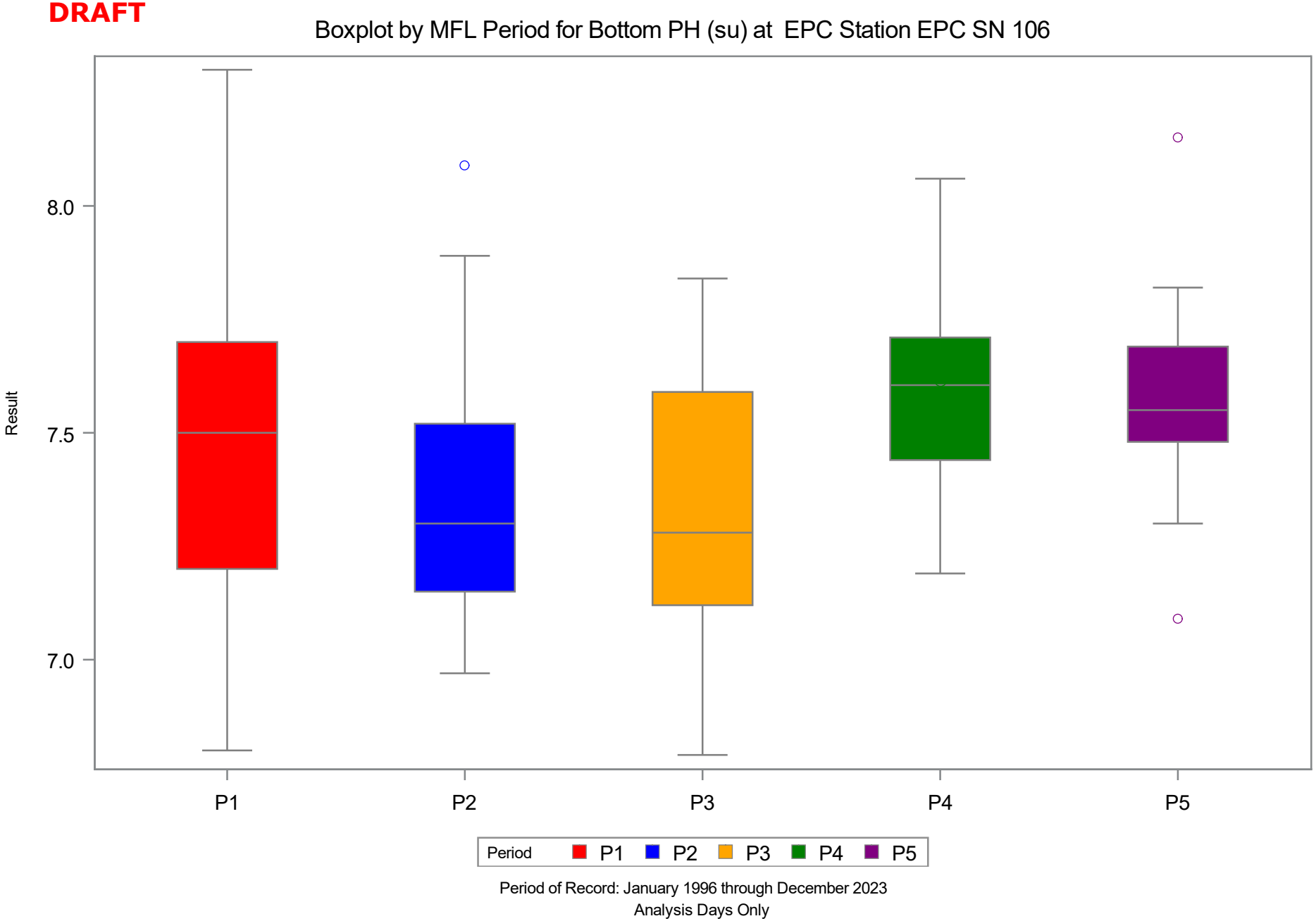
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 106

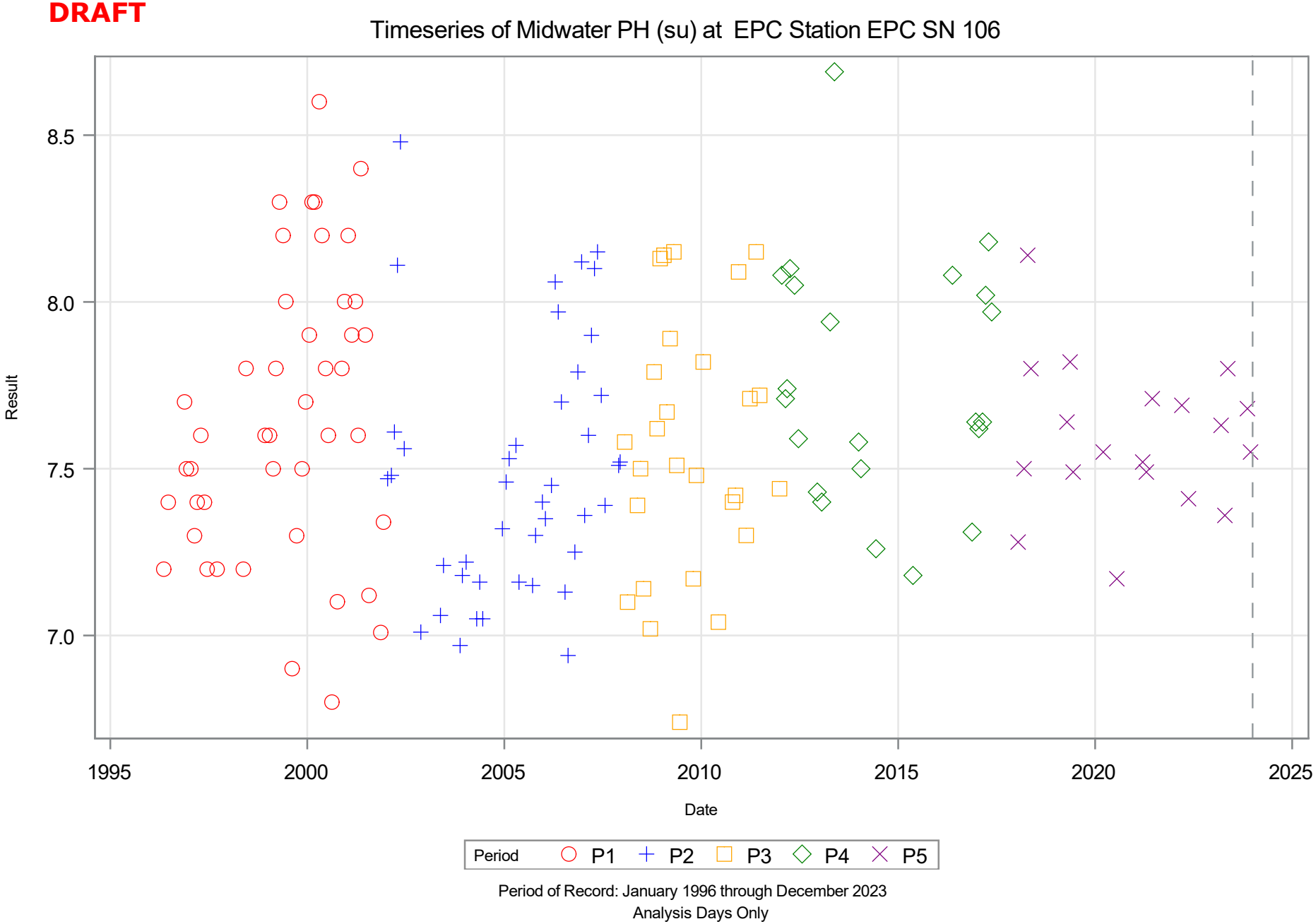
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	29	6.80	7.20	7.47	7.50	7.70	8.30
P2	31	6.97	7.15	7.36	7.30	7.52	8.09
P3	12	6.79	7.12	7.34	7.28	7.59	7.84
P4	14	7.19	7.44	7.62	7.61	7.71	8.06
P5	15	7.09	7.48	7.59	7.55	7.69	8.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 106
Result
8.0
7.5
7.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

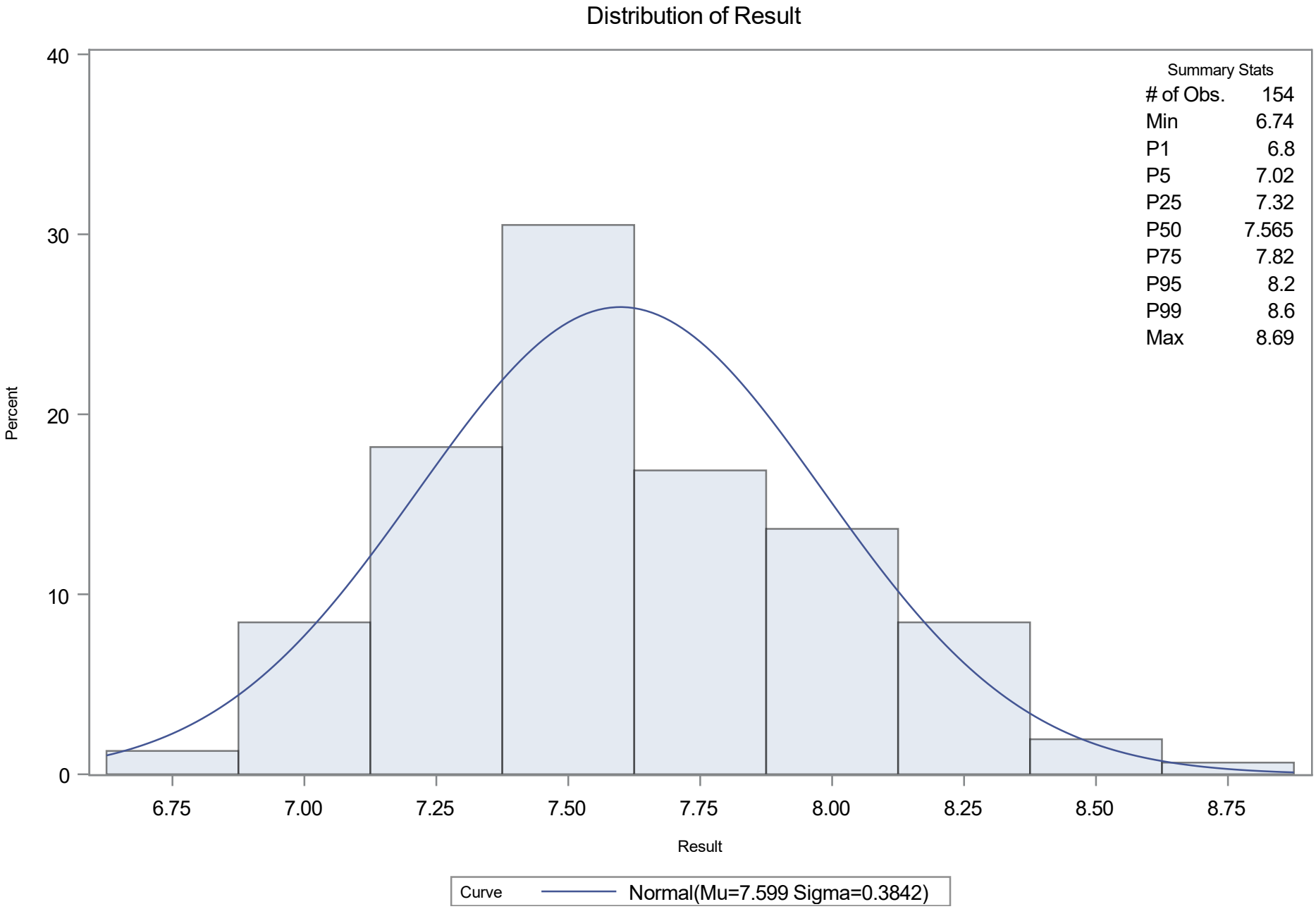
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.598961
Std Dev	Sigma	0.384213

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06785829	**Pr > D**	0.082
Cramer-von Mises	**W-Sq**	0.12612197	**Pr > W-Sq**	0.049
Anderson-Darling	**A-Sq**	0.75087862	**Pr > A-Sq**	0.049

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.80000	6.70515
5.0	7.02000	6.96699
10.0	7.13000	7.10657
25.0	7.32000	7.33981
50.0	7.56500	7.59896
75.0	7.82000	7.85811
90.0	8.14000	8.09135
95.0	8.20000	8.23094
99.0	8.60000	8.49277

Period of Record: January 1996 through December 2023
Analysis Days Only

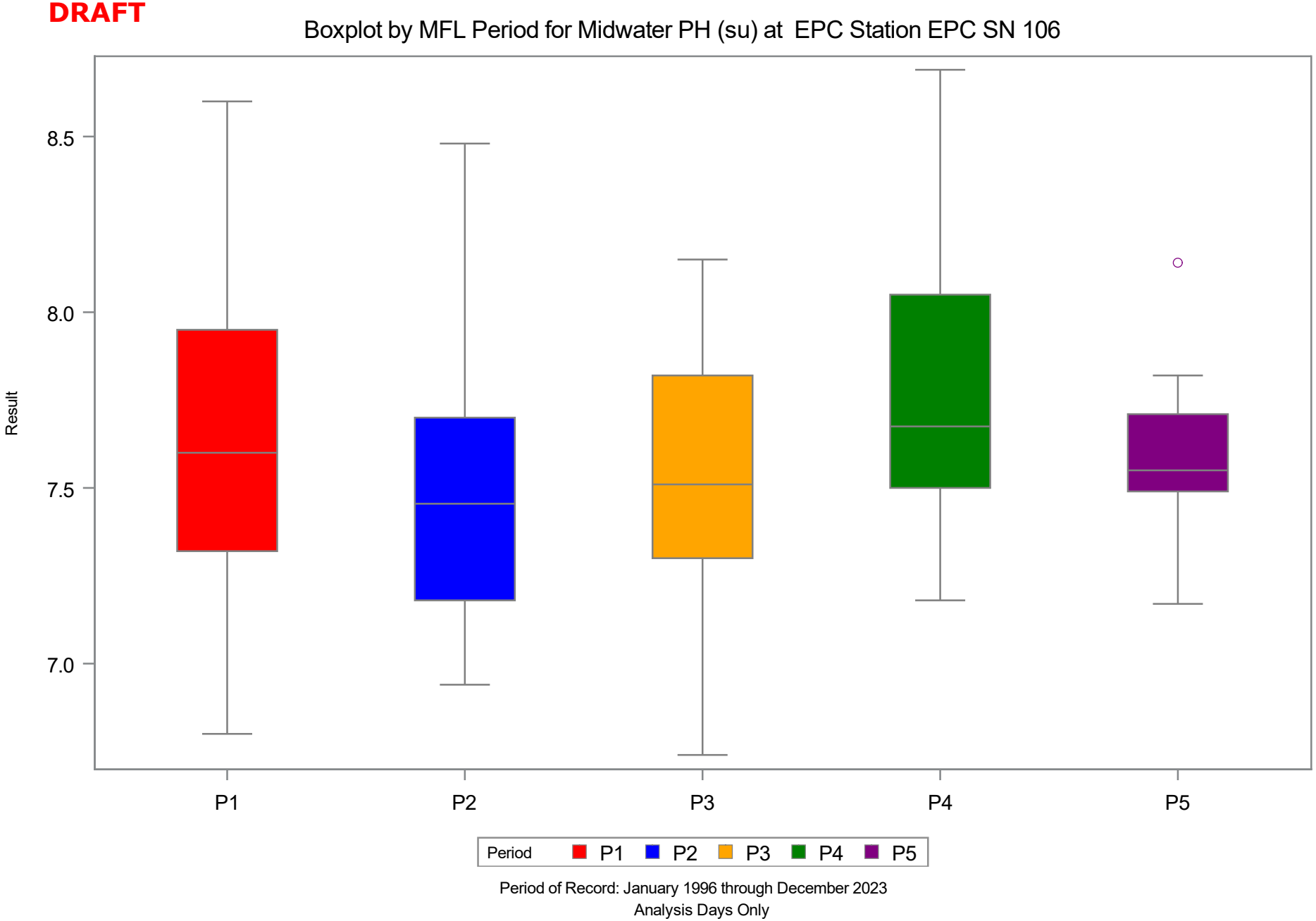
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 106

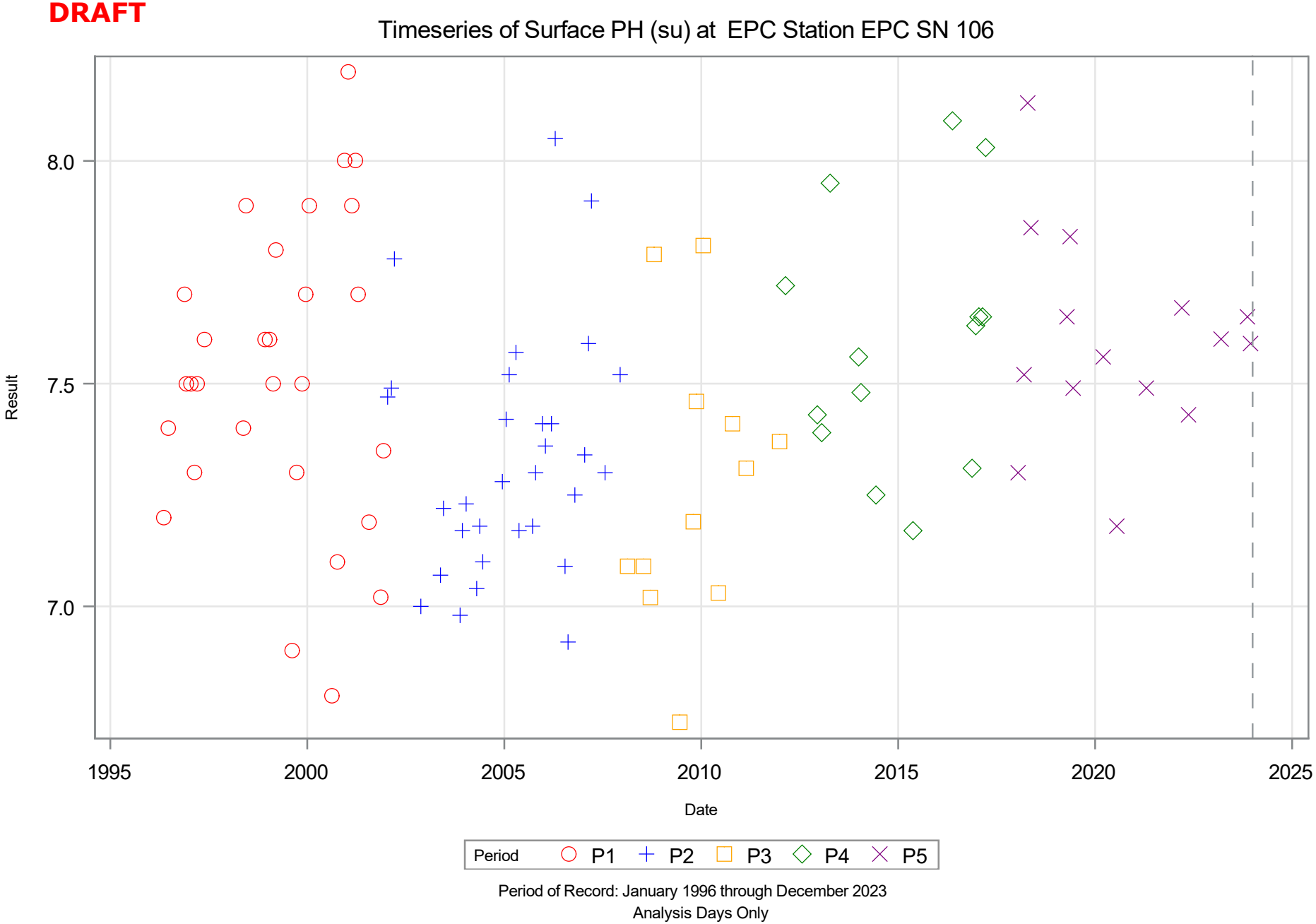
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	6.80	7.32	7.65	7.60	7.95	8.60
P2	42	6.94	7.18	7.49	7.46	7.70	8.48
P3	27	6.74	7.30	7.56	7.51	7.82	8.15
P4	22	7.18	7.50	7.76	7.68	8.05	8.69
P5	19	7.17	7.49	7.59	7.55	7.71	8.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

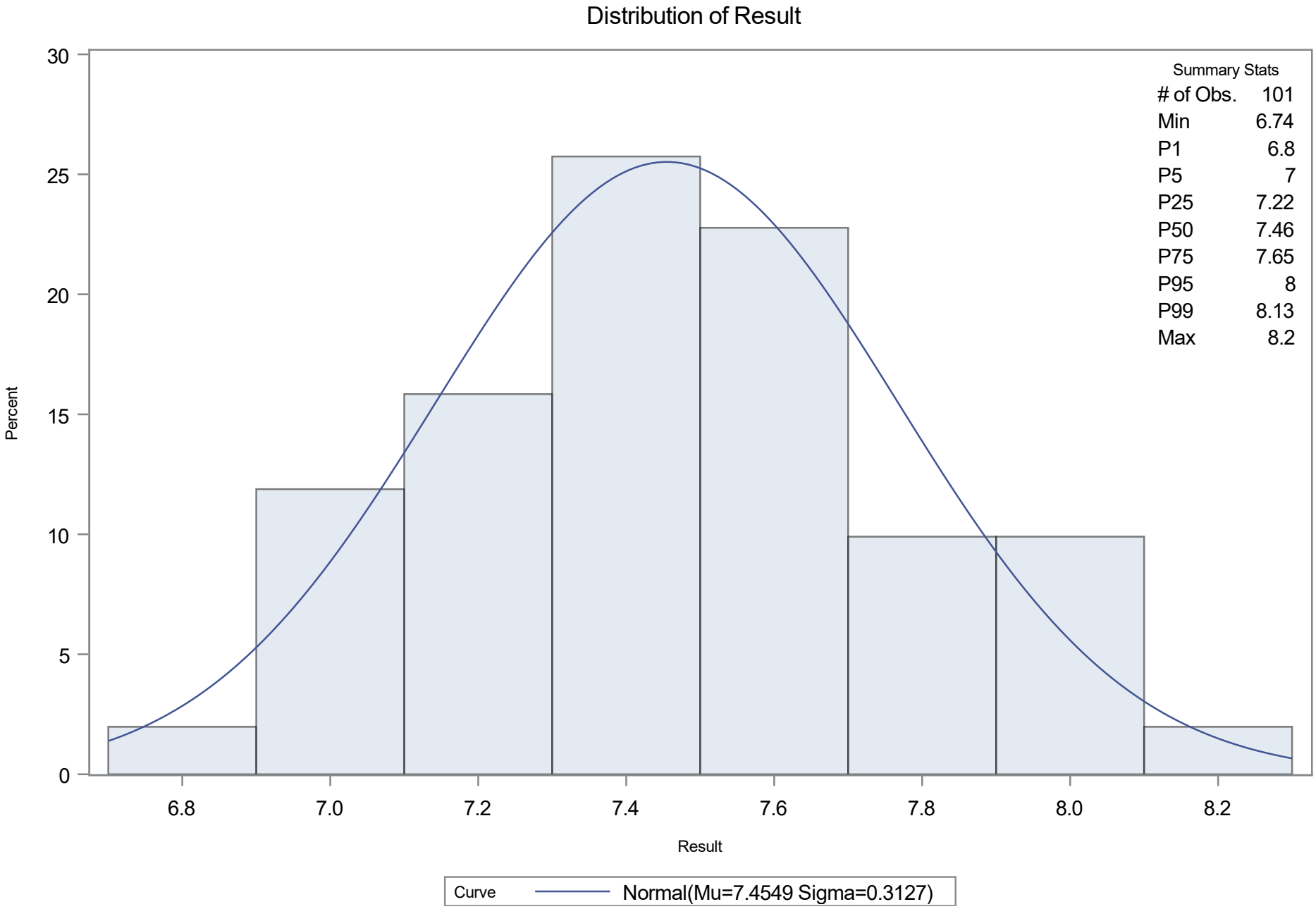

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 106
Result
8.5
8.0
7.5
7.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 106
Result
8.0
7.5
7.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.454851
Std Dev	Sigma	0.312684

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05114019	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03711606	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26660718	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.80000	6.72744
5.0	7.00000	6.94053
10.0	7.07000	7.05413
25.0	7.22000	7.24395
50.0	7.46000	7.45485
75.0	7.65000	7.66575
90.0	7.90000	7.85557
95.0	8.00000	7.96917
99.0	8.13000	8.18226

Period of Record: January 1996 through December 2023
Analysis Days Only

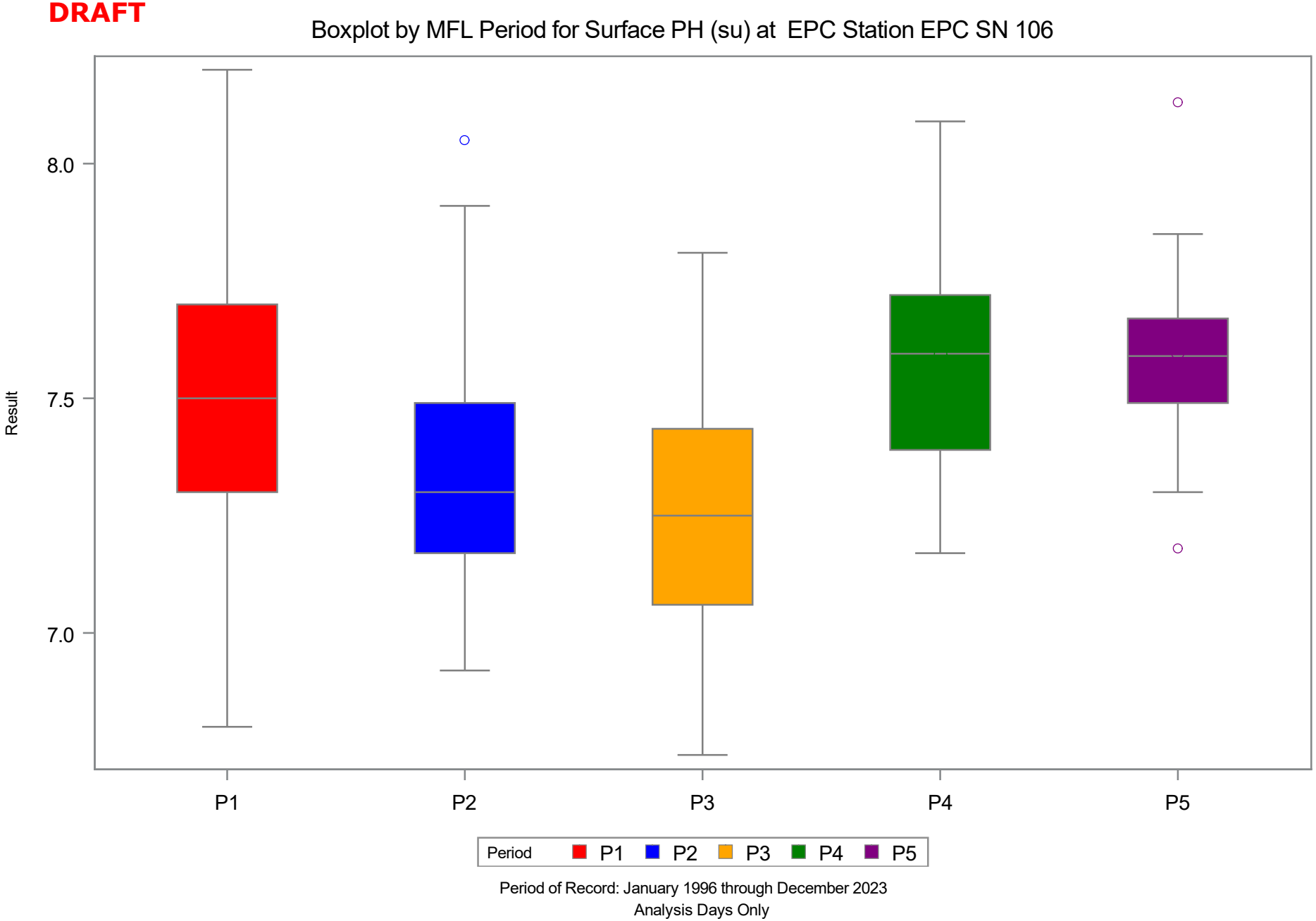
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 106

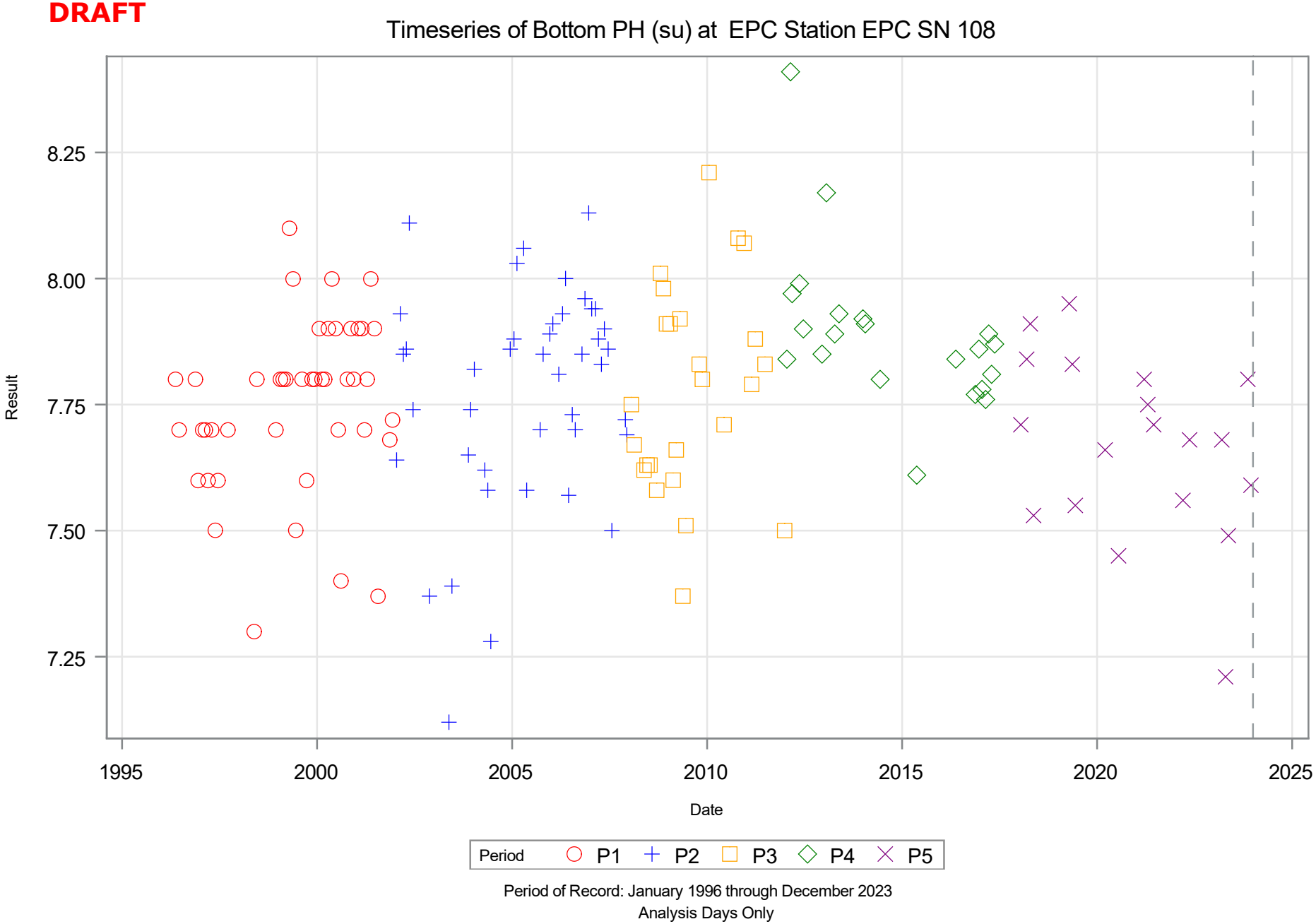
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	29	6.80	7.30	7.52	7.50	7.70	8.20
P2	31	6.92	7.17	7.33	7.30	7.49	8.05
P3	12	6.74	7.06	7.28	7.25	7.44	7.81
P4	14	7.17	7.39	7.59	7.60	7.72	8.09
P5	15	7.18	7.49	7.60	7.59	7.67	8.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 106
Result
8.0
7.5
7.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

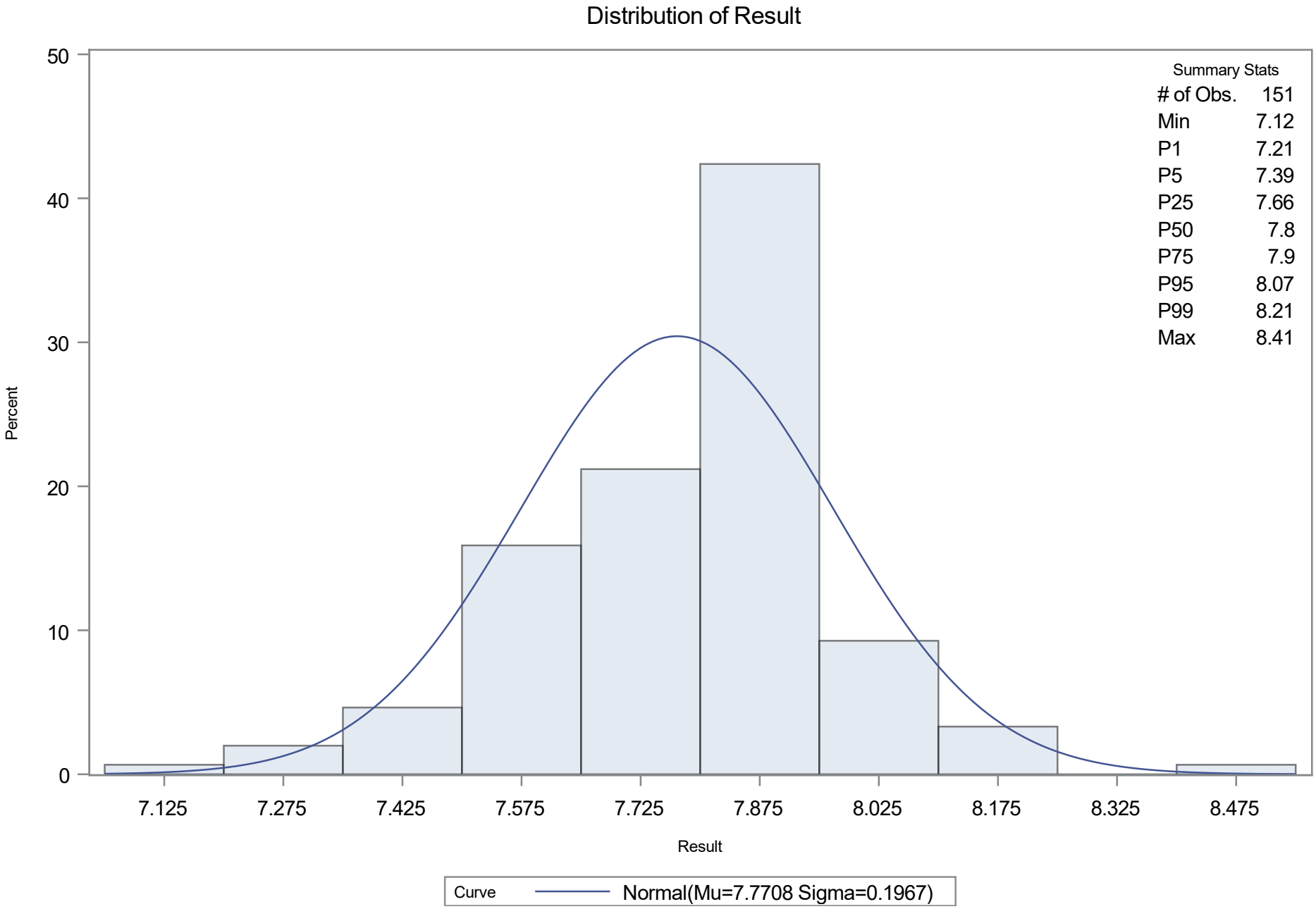
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.770795
Std Dev	Sigma	0.196684

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11531265	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22291376	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.25731374	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.21000	7.31324
5.0	7.39000	7.44728
10.0	7.51000	7.51873
25.0	7.66000	7.63813
50.0	7.80000	7.77079
75.0	7.90000	7.90346
90.0	7.99000	8.02286
95.0	8.07000	8.09431
99.0	8.21000	8.22835

Period of Record: January 1996 through December 2023
Analysis Days Only

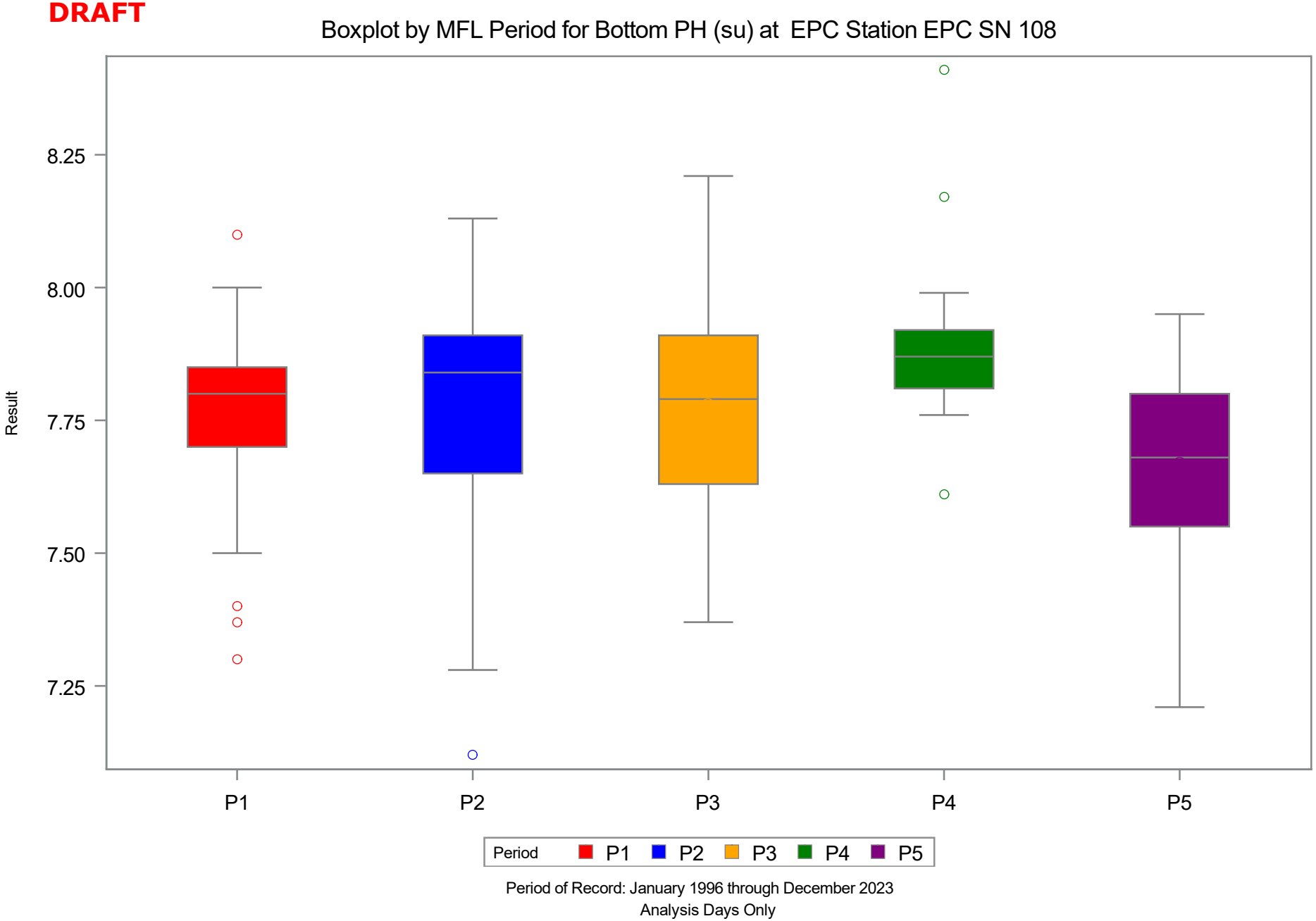
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 108

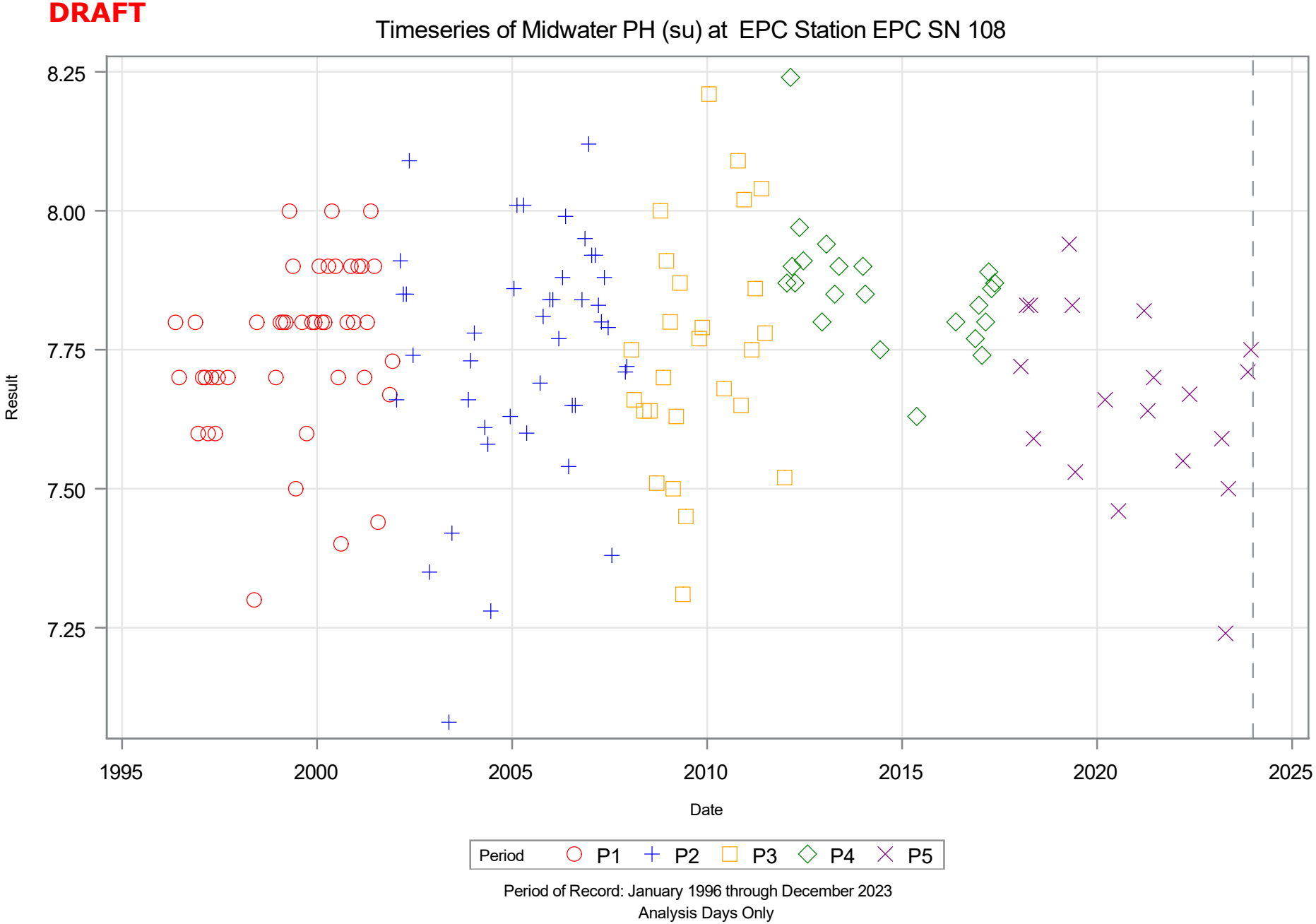
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.30	7.70	7.75	7.80	7.85	8.10
P2	42	7.12	7.65	7.77	7.84	7.91	8.13
P3	25	7.37	7.63	7.78	7.79	7.91	8.21
P4	21	7.61	7.81	7.89	7.87	7.92	8.41
P5	19	7.21	7.55	7.67	7.68	7.80	7.95

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

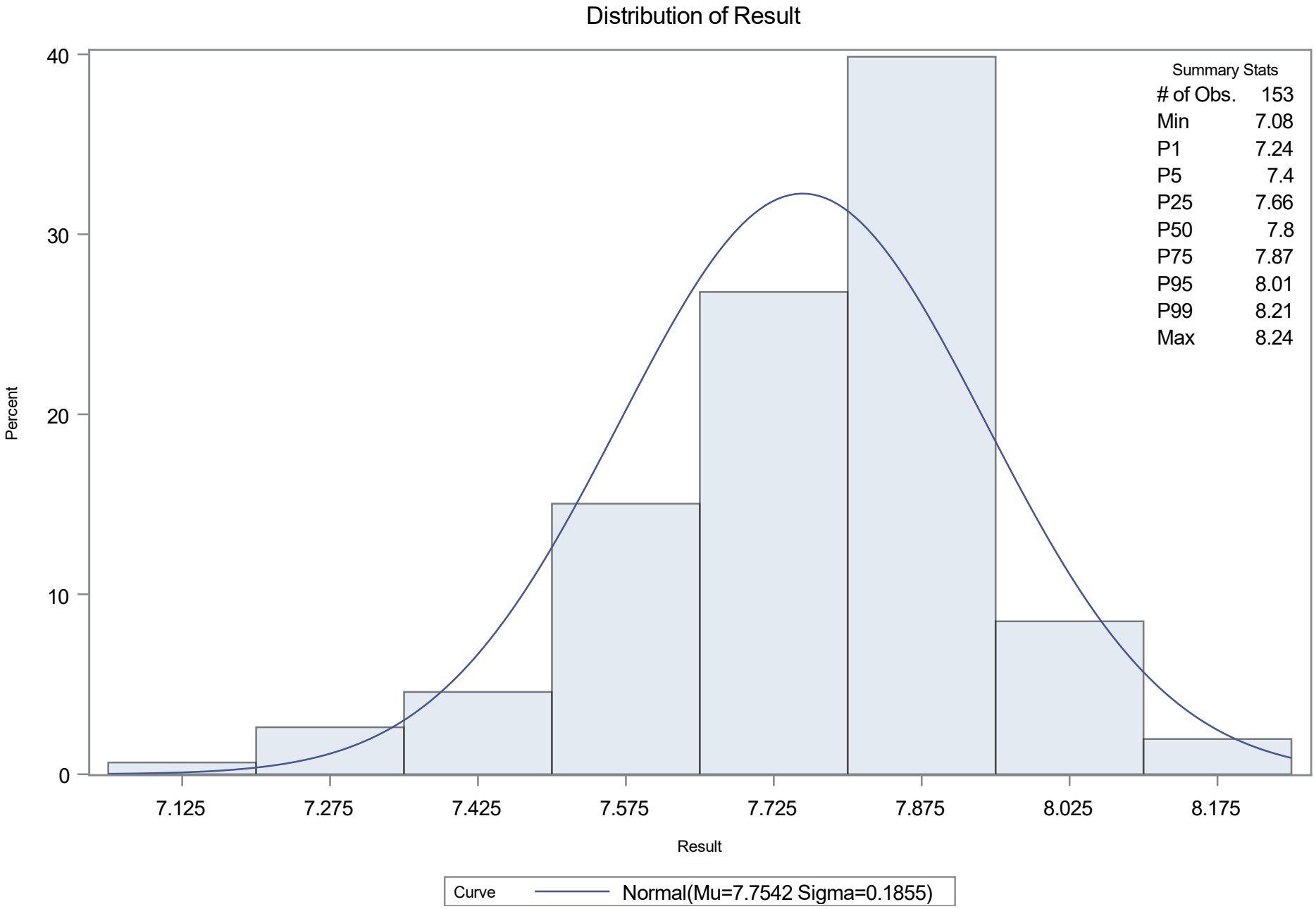

Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 108
Result
8.25
8.00
7.75
7.50
7.25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at EPC Station EPC SN 108
8.25
8.00
7.75
7.50
7.25
Result
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.754183
Std Dev	Sigma	0.185482

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10082018	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26015337	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.50477067	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.24000	7.32269
5.0	7.40000	7.44909
10.0	7.51000	7.51648
25.0	7.66000	7.62908
50.0	7.80000	7.75418
75.0	7.87000	7.87929
90.0	7.95000	7.99189
95.0	8.01000	8.05927
99.0	8.21000	8.18568

Period of Record: January 1996 through December 2023
Analysis Days Only

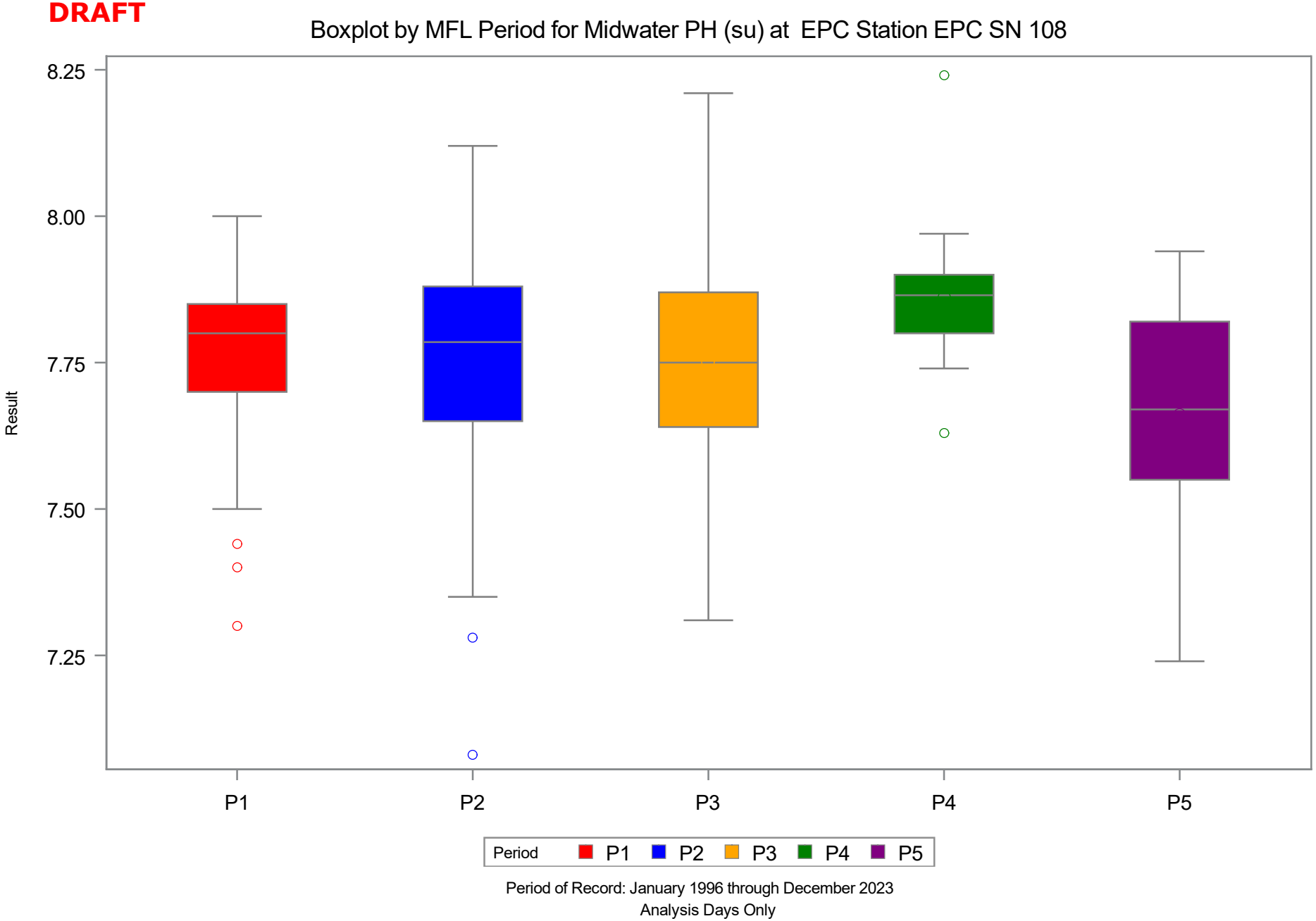
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 108

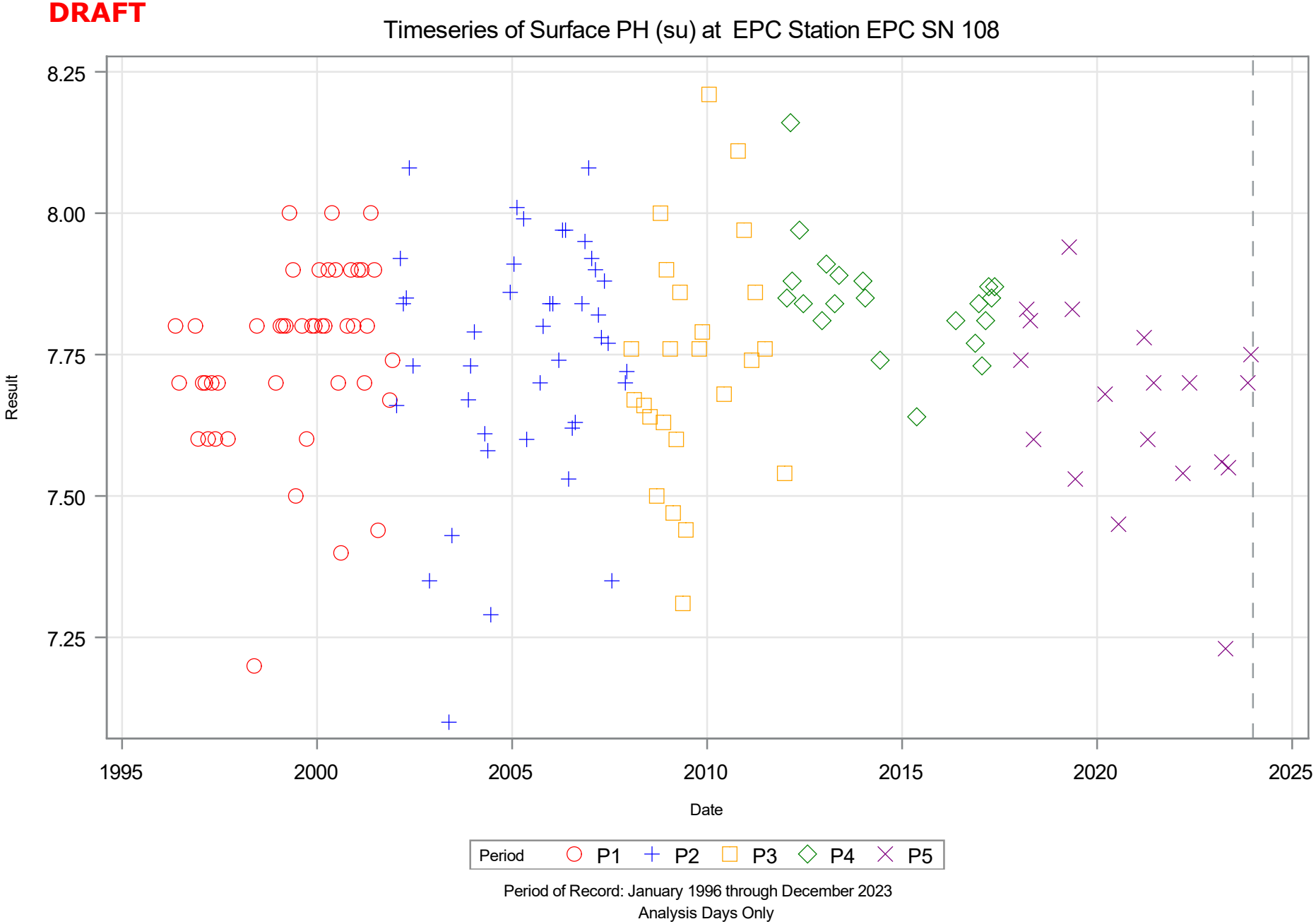
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.30	7.70	7.75	7.80	7.85	8.00
P2	42	7.08	7.65	7.74	7.79	7.88	8.12
P3	26	7.31	7.64	7.75	7.75	7.87	8.21
P4	22	7.63	7.80	7.86	7.87	7.90	8.24
P5	19	7.24	7.55	7.66	7.67	7.82	7.94

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

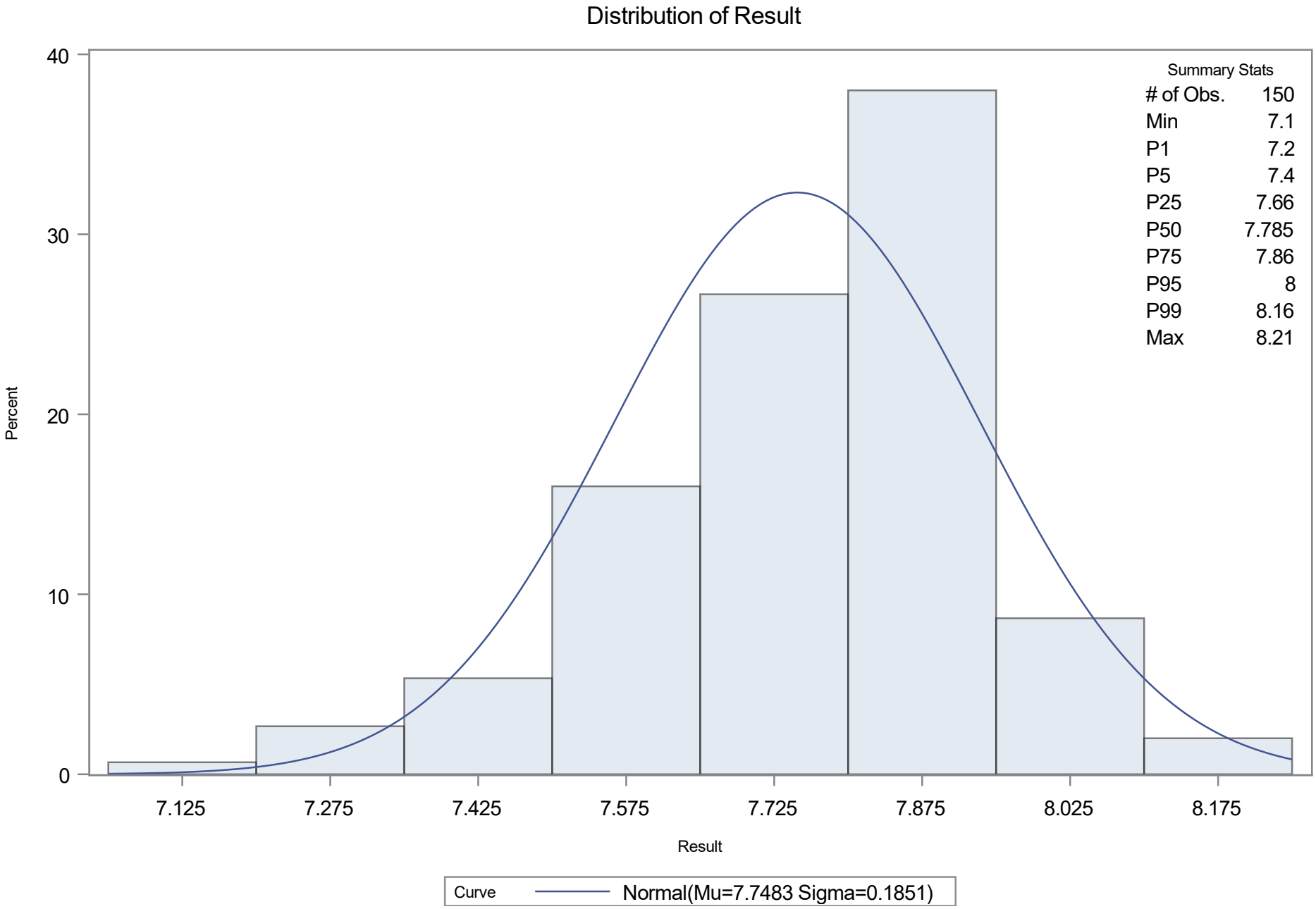

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 108
Result
8.25
8.00
7.75
7.50
7.25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 108
8.25
8.00
7.75
7.50
7.25
Result
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.748333
Std Dev	Sigma	0.185133

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10368478	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29373907	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.69546798	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.20000	7.31765
5.0	7.40000	7.44382
10.0	7.51500	7.51108
25.0	7.66000	7.62346
50.0	7.78500	7.74833
75.0	7.86000	7.87320
90.0	7.96000	7.98559
95.0	8.00000	8.05285
99.0	8.16000	8.17902

Period of Record: January 1996 through December 2023
Analysis Days Only

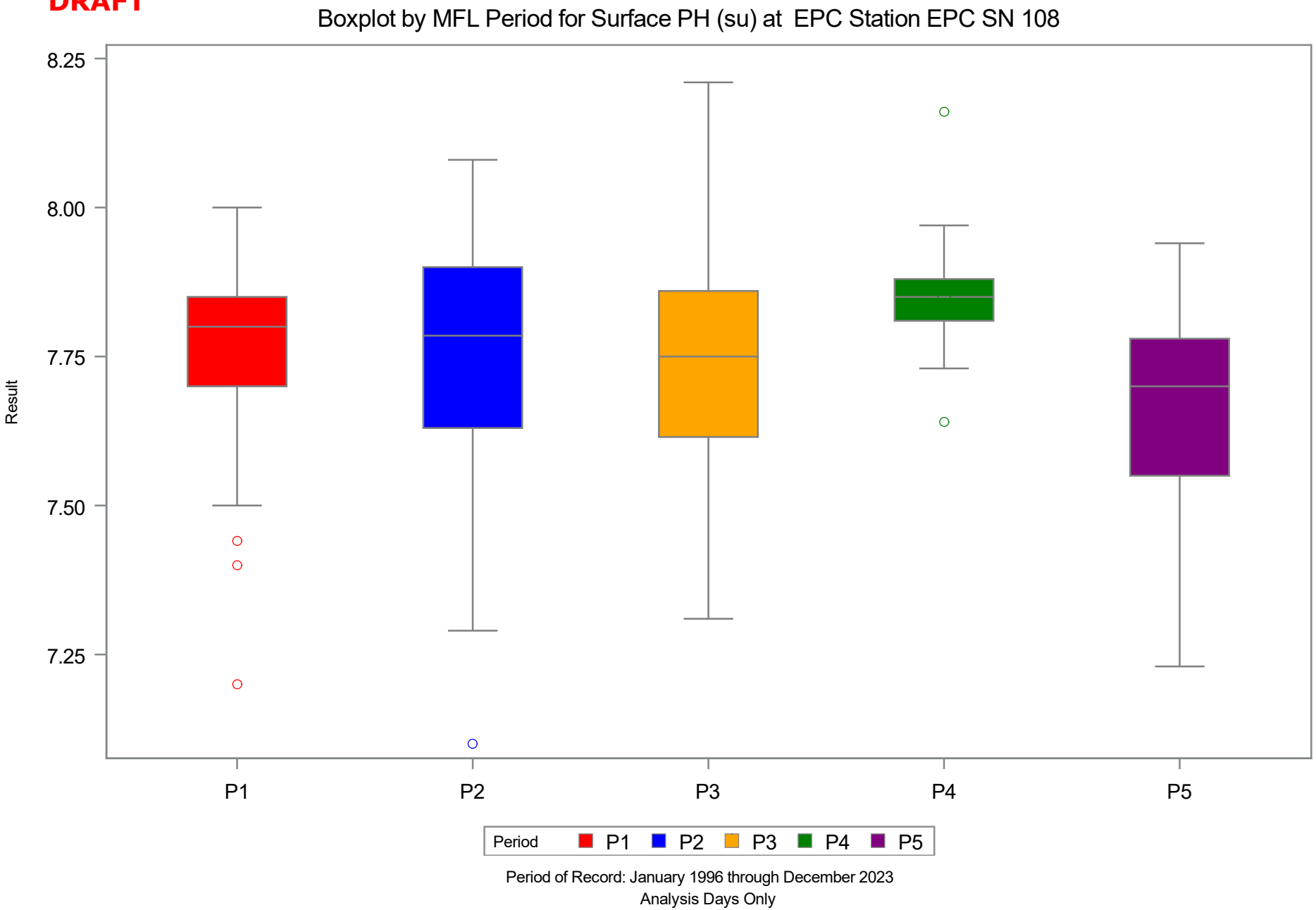
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 108

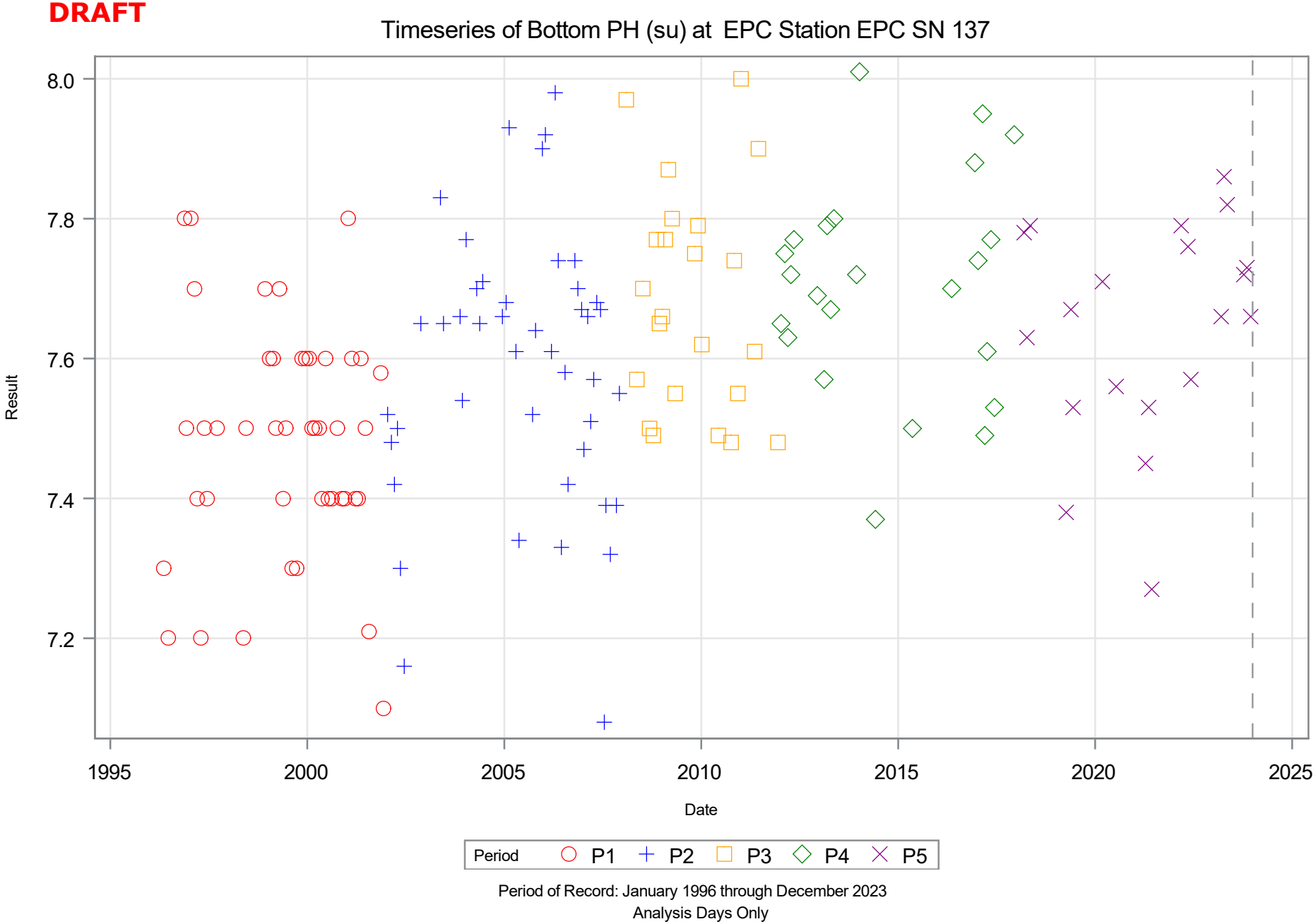
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.20	7.70	7.75	7.80	7.85	8.00
P2	42	7.10	7.63	7.75	7.79	7.90	8.08
P3	24	7.31	7.62	7.73	7.75	7.86	8.21
P4	21	7.64	7.81	7.85	7.85	7.88	8.16
P5	19	7.23	7.55	7.66	7.70	7.78	7.94

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

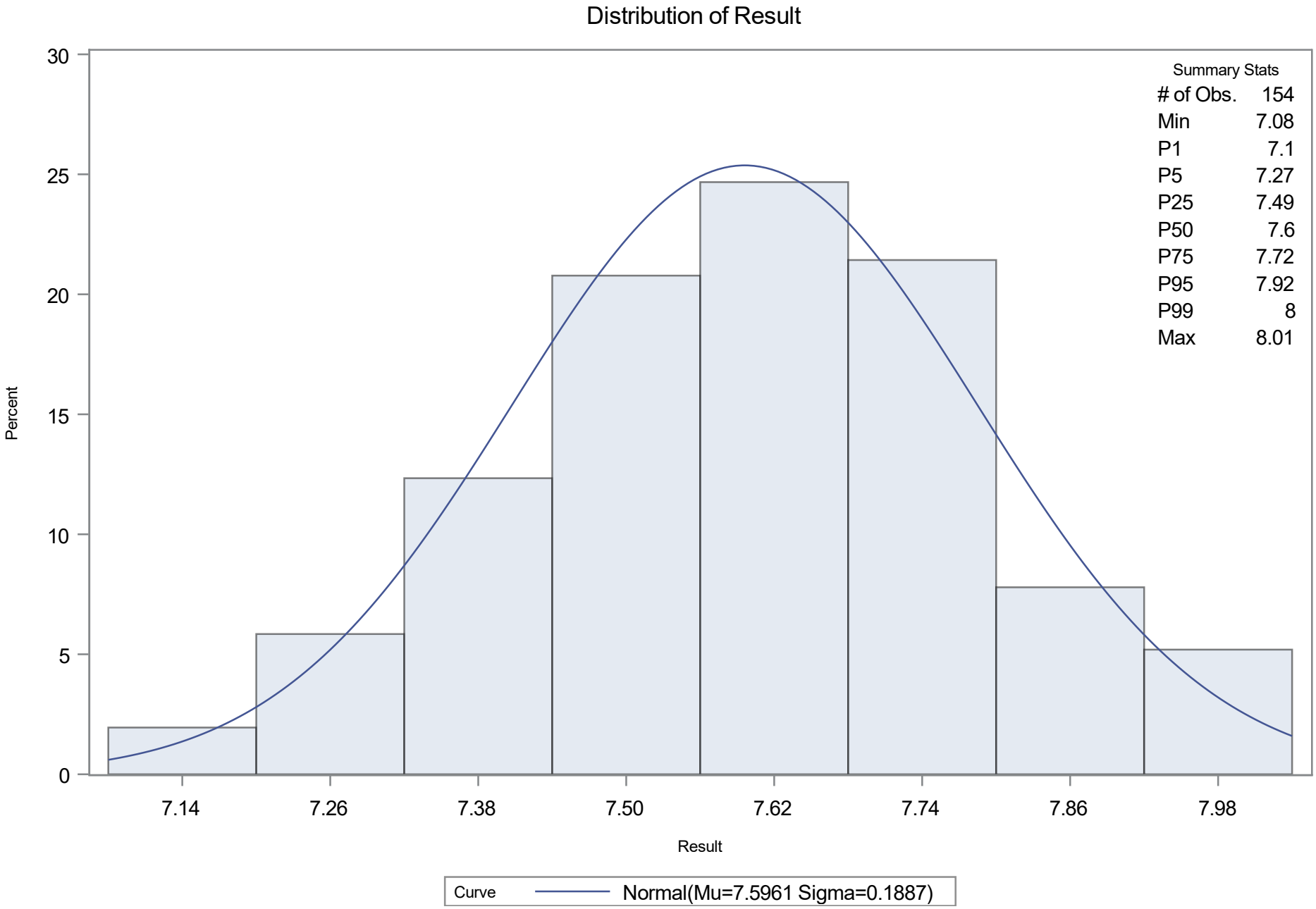

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 108
Result
8.25
8.00
7.75
7.50
7.25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 137
8.0
7.8
7.6
7.4
7.2
Result
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.596104
Std Dev	Sigma	0.188677

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05487371	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06834217	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.43208985	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.10000	7.15718
5.0	7.27000	7.28576
10.0	7.37000	7.35430
25.0	7.49000	7.46884
50.0	7.60000	7.59610
75.0	7.72000	7.72336
90.0	7.80000	7.83790
95.0	7.92000	7.90645
99.0	8.00000	8.03503

Period of Record: January 1996 through December 2023
Analysis Days Only

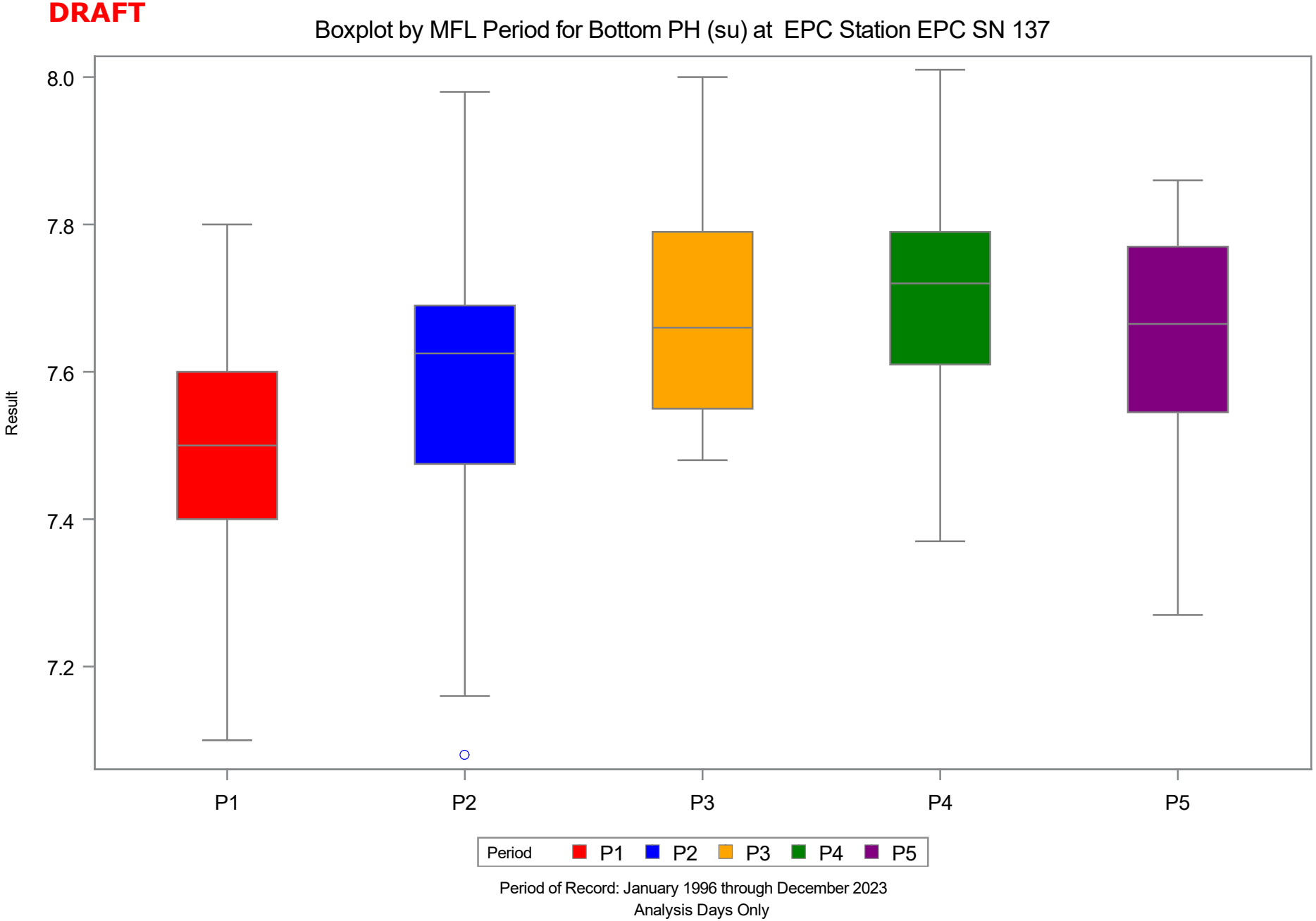
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 137

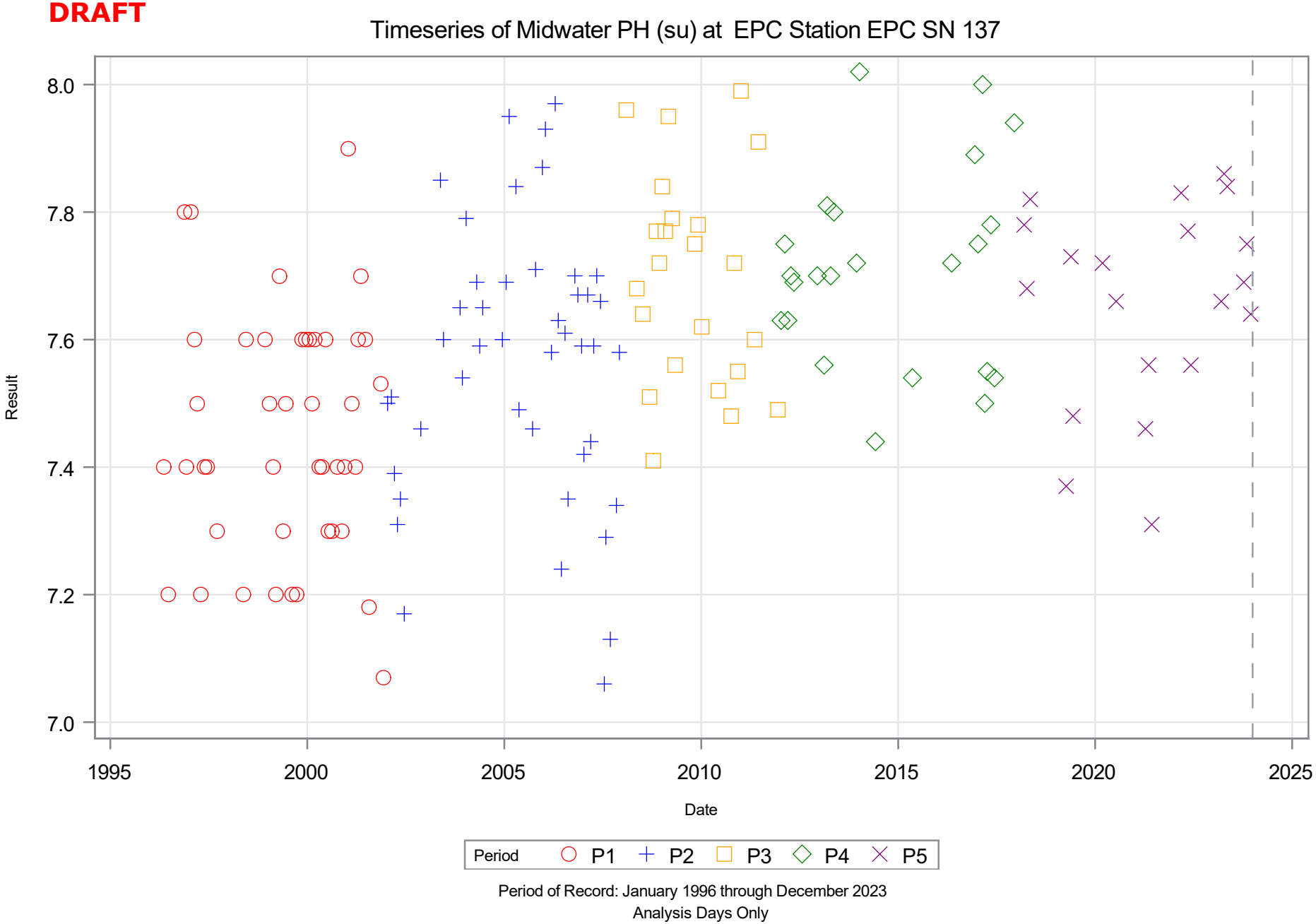
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.10	7.40	7.48	7.50	7.60	7.80
P2	44	7.08	7.48	7.59	7.63	7.69	7.98
P3	23	7.48	7.55	7.68	7.66	7.79	8.00
P4	23	7.37	7.61	7.71	7.72	7.79	8.01
P5	20	7.27	7.55	7.64	7.67	7.77	7.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 137
Result
8.0
7.8
7.6
7.4
7.2
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

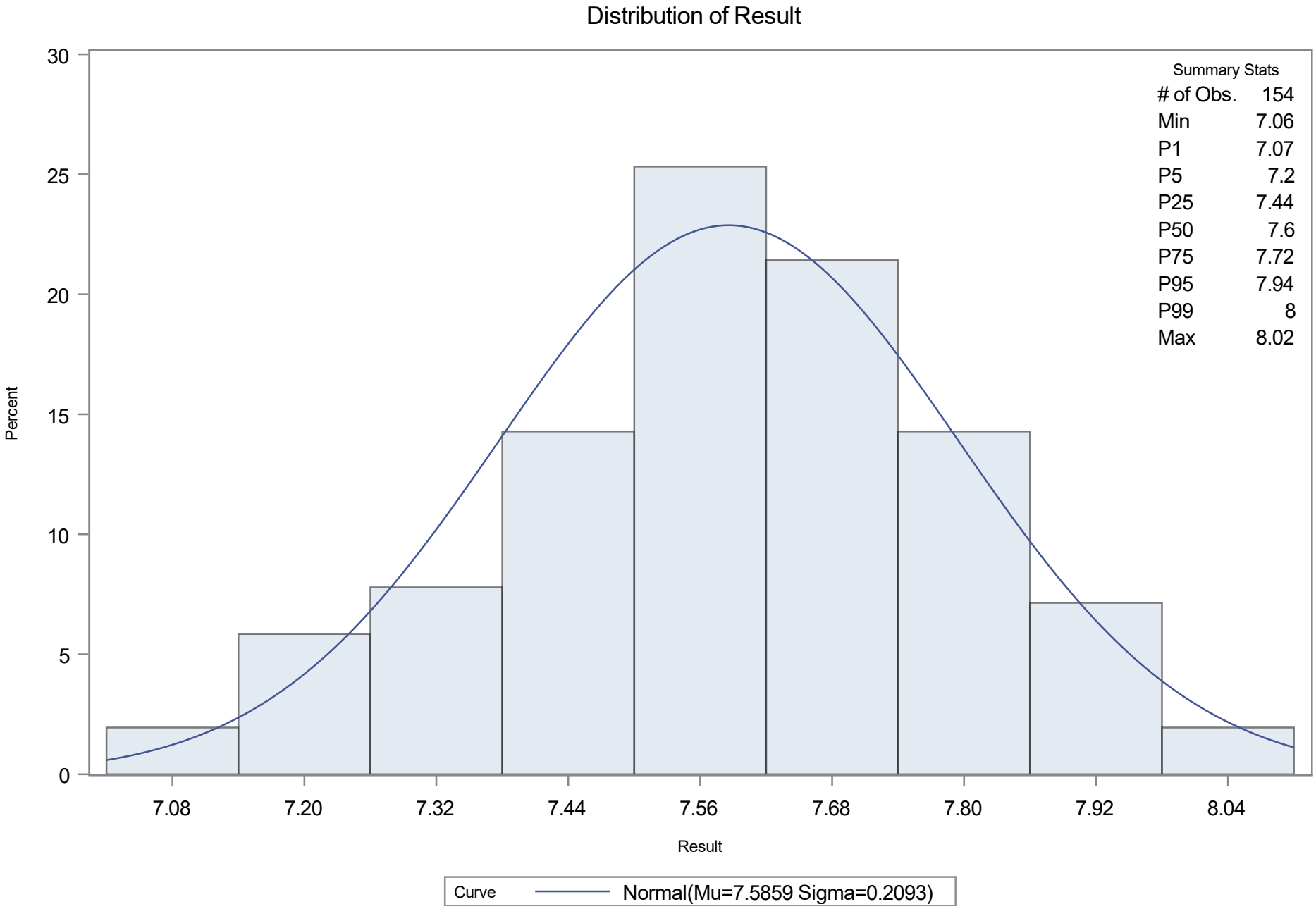
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.585909
Std Dev	Sigma	0.209265

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06623998	**Pr > D**	0.095
Cramer-von Mises	**W-Sq**	0.07993928	**Pr > W-Sq**	0.214
Anderson-Darling	**A-Sq**	0.50087662	**Pr > A-Sq**	0.213

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.07000	7.09909
5.0	7.20000	7.24170
10.0	7.30000	7.31773
25.0	7.44000	7.44476
50.0	7.60000	7.58591
75.0	7.72000	7.72706
90.0	7.84000	7.85409
95.0	7.94000	7.93012
99.0	8.00000	8.07273

Period of Record: January 1996 through December 2023
Analysis Days Only

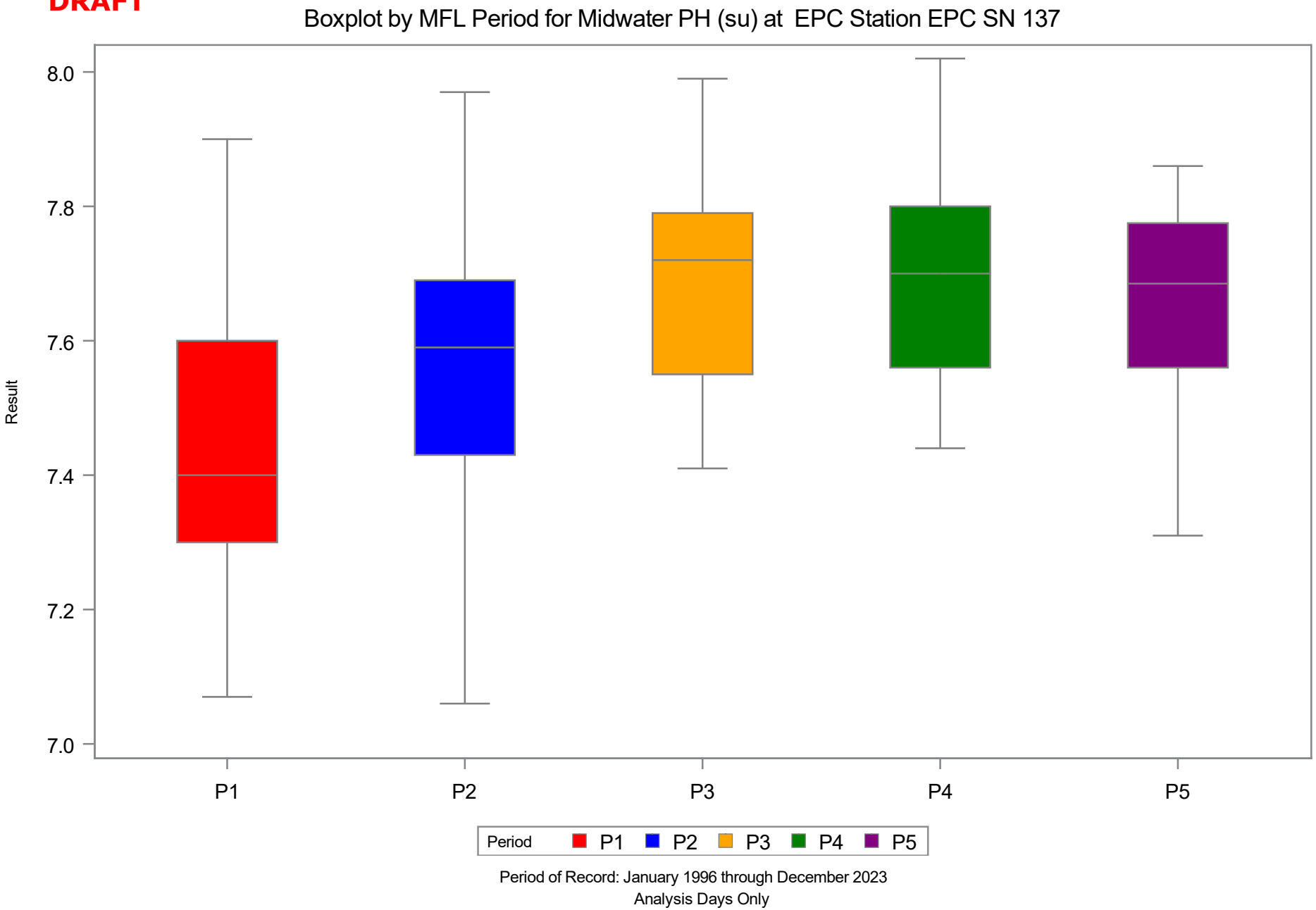
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 137

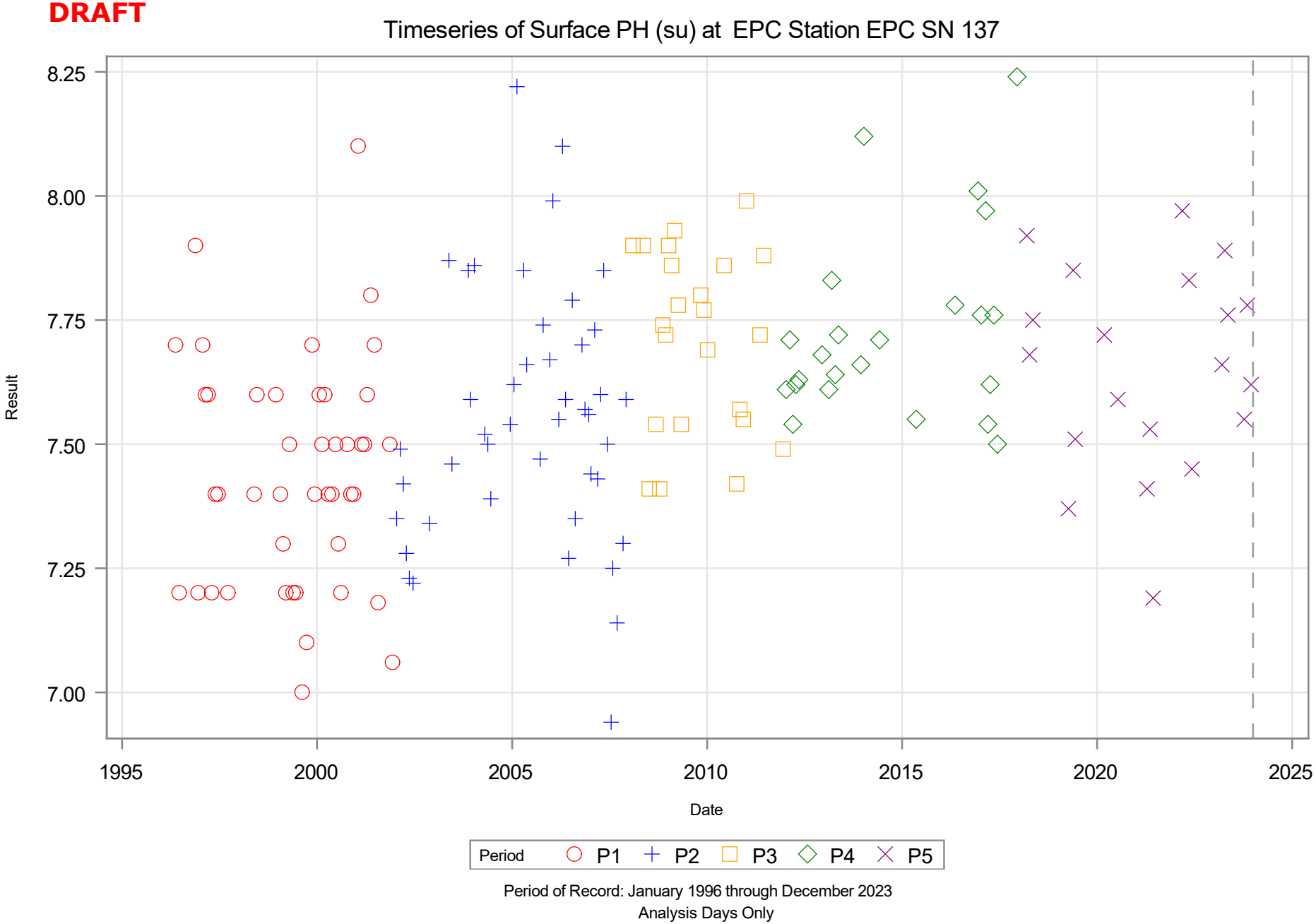
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.07	7.30	7.45	7.40	7.60	7.90
P2	44	7.06	7.43	7.56	7.59	7.69	7.97
P3	23	7.41	7.55	7.70	7.72	7.79	7.99
P4	23	7.44	7.56	7.71	7.70	7.80	8.02
P5	20	7.31	7.56	7.66	7.69	7.78	7.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

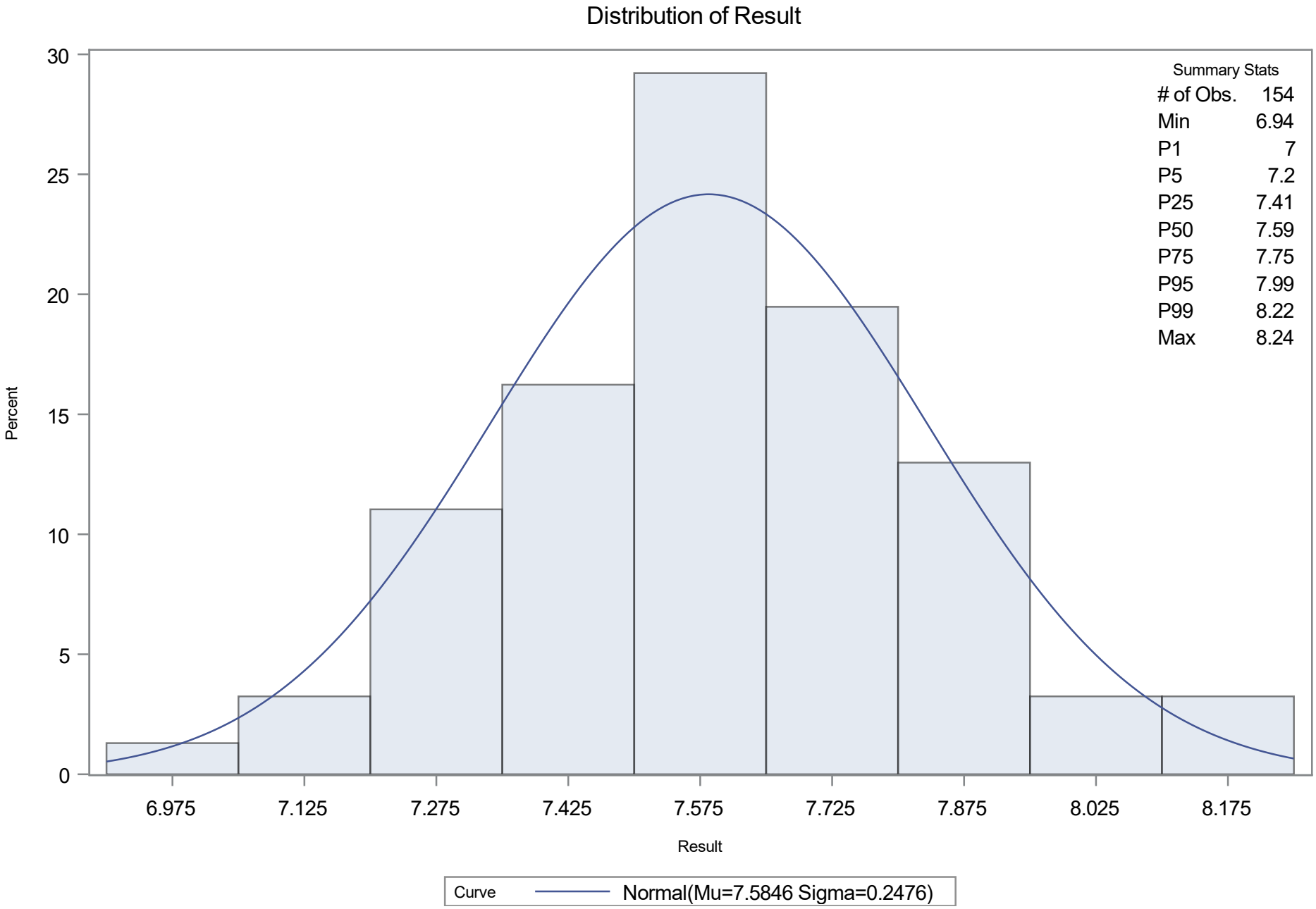

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 137
Result
8.0
7.8
7.6
7.4
7.2
7.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 137
Result
8.25
8.00
7.75
7.50
7.25
7.00
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.58461
Std Dev	Sigma	0.247598

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04809714	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04048142	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28745774	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.00000	7.00861
5.0	7.20000	7.17735
10.0	7.22000	7.26730
25.0	7.41000	7.41761
50.0	7.59000	7.58461
75.0	7.75000	7.75161
90.0	7.90000	7.90192
95.0	7.99000	7.99187
99.0	8.22000	8.16061

Period of Record: January 1996 through December 2023
Analysis Days Only

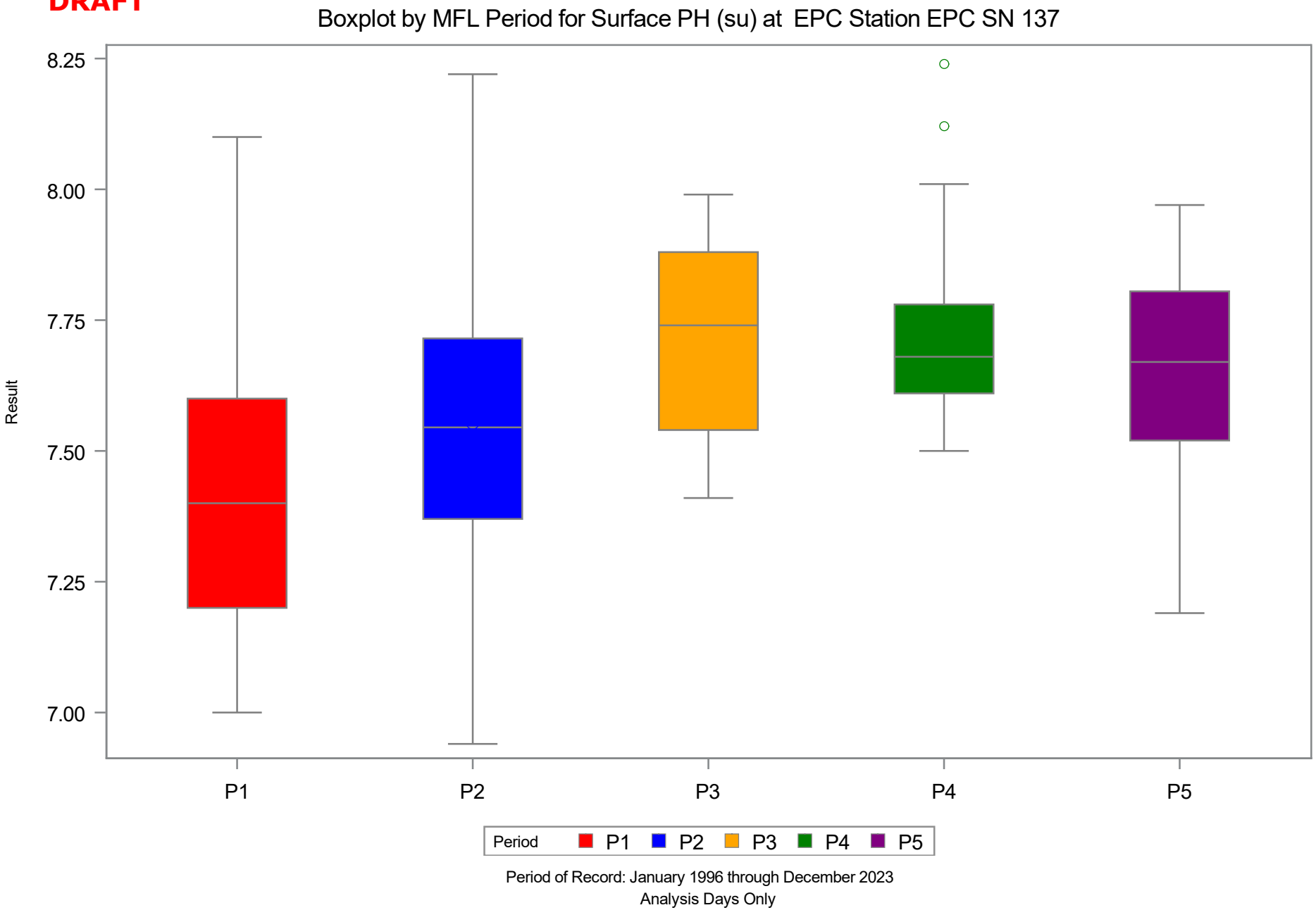
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 137

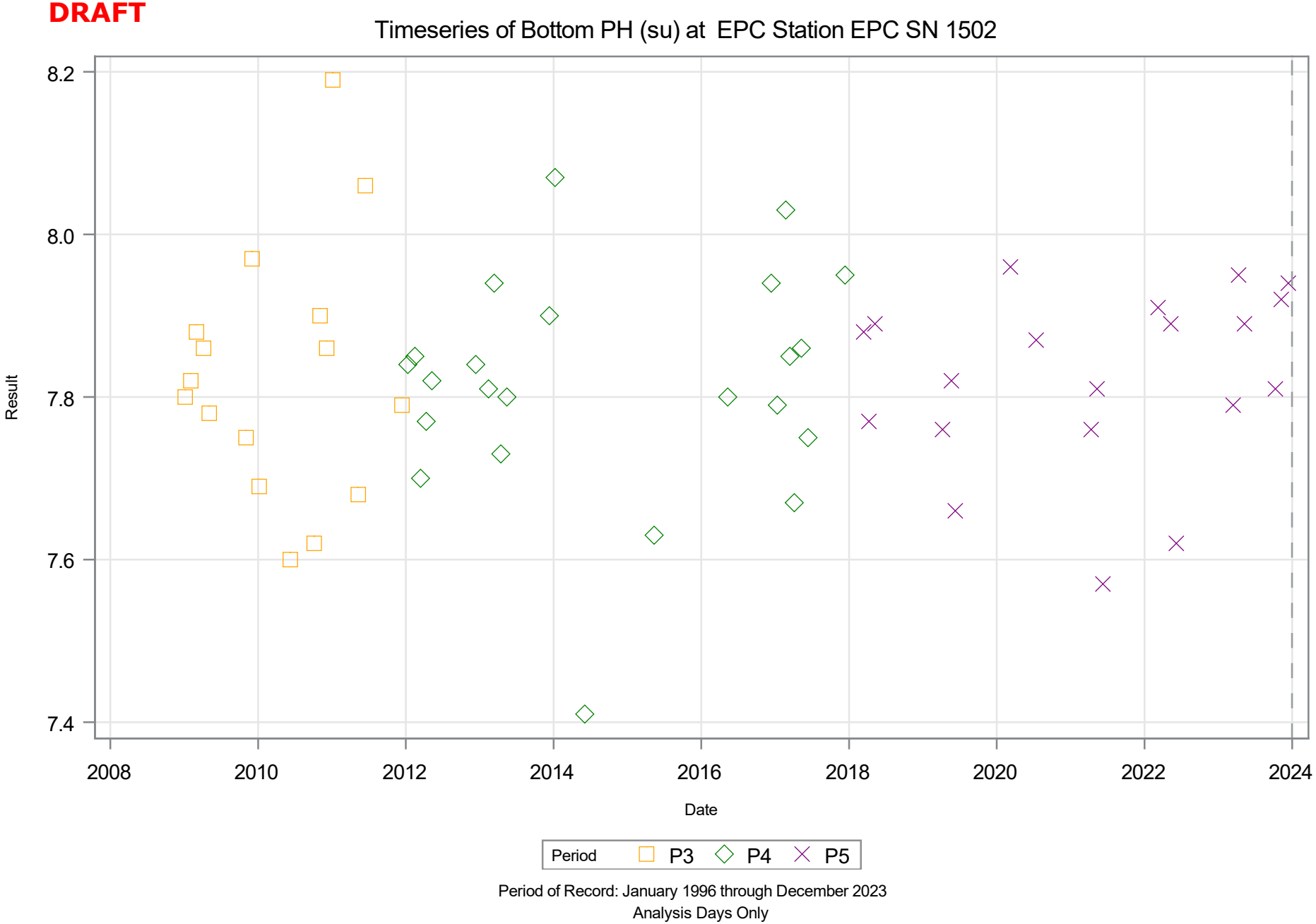
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.00	7.20	7.44	7.40	7.60	8.10
P2	44	6.94	7.37	7.55	7.55	7.72	8.22
P3	23	7.41	7.54	7.71	7.74	7.88	7.99
P4	23	7.50	7.61	7.73	7.68	7.78	8.24
P5	20	7.19	7.52	7.65	7.67	7.81	7.97

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

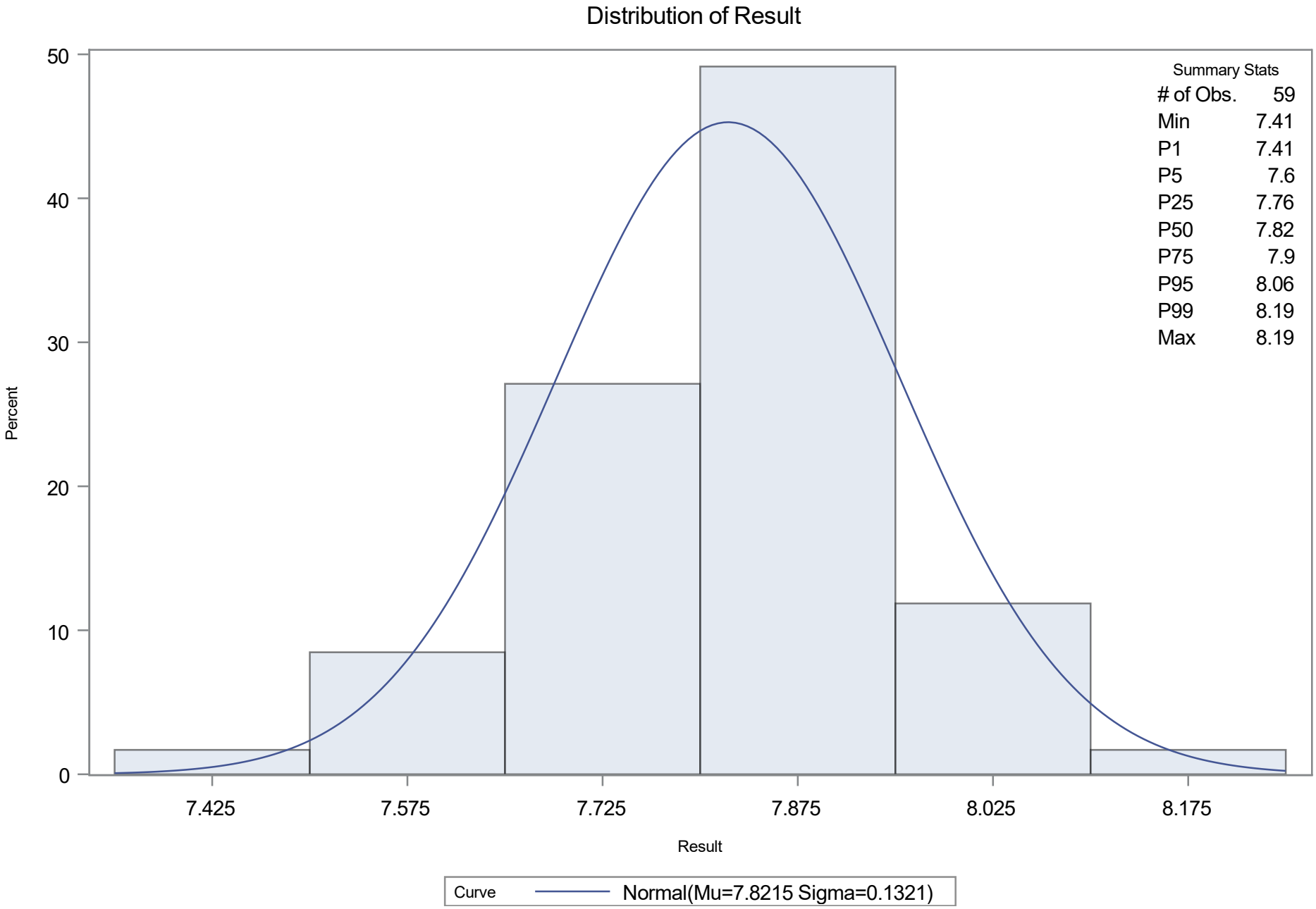

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 137
Result
8.25
8.00
7.75
7.50
7.25
7.00
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1502
8.2
8.0
7.8
7.6
7.4
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.821525
Std Dev	Sigma	0.132142

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09076807	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07585447	**Pr > W-Sq**	0.235
Anderson-Darling	**A-Sq**	0.45426992	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.41000	7.51412
5.0	7.60000	7.60417
10.0	7.63000	7.65218
25.0	7.76000	7.73240
50.0	7.82000	7.82153
75.0	7.90000	7.91065
90.0	7.96000	7.99087
95.0	8.06000	8.03888
99.0	8.19000	8.12893

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1502

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.60	7.72	7.83	7.81	7.89	8.19
P4	23	7.41	7.75	7.82	7.82	7.90	8.07
P5	20	7.57	7.77	7.82	7.85	7.90	7.96

Period of Record: January 1996 through December 2023
Analysis Days Only

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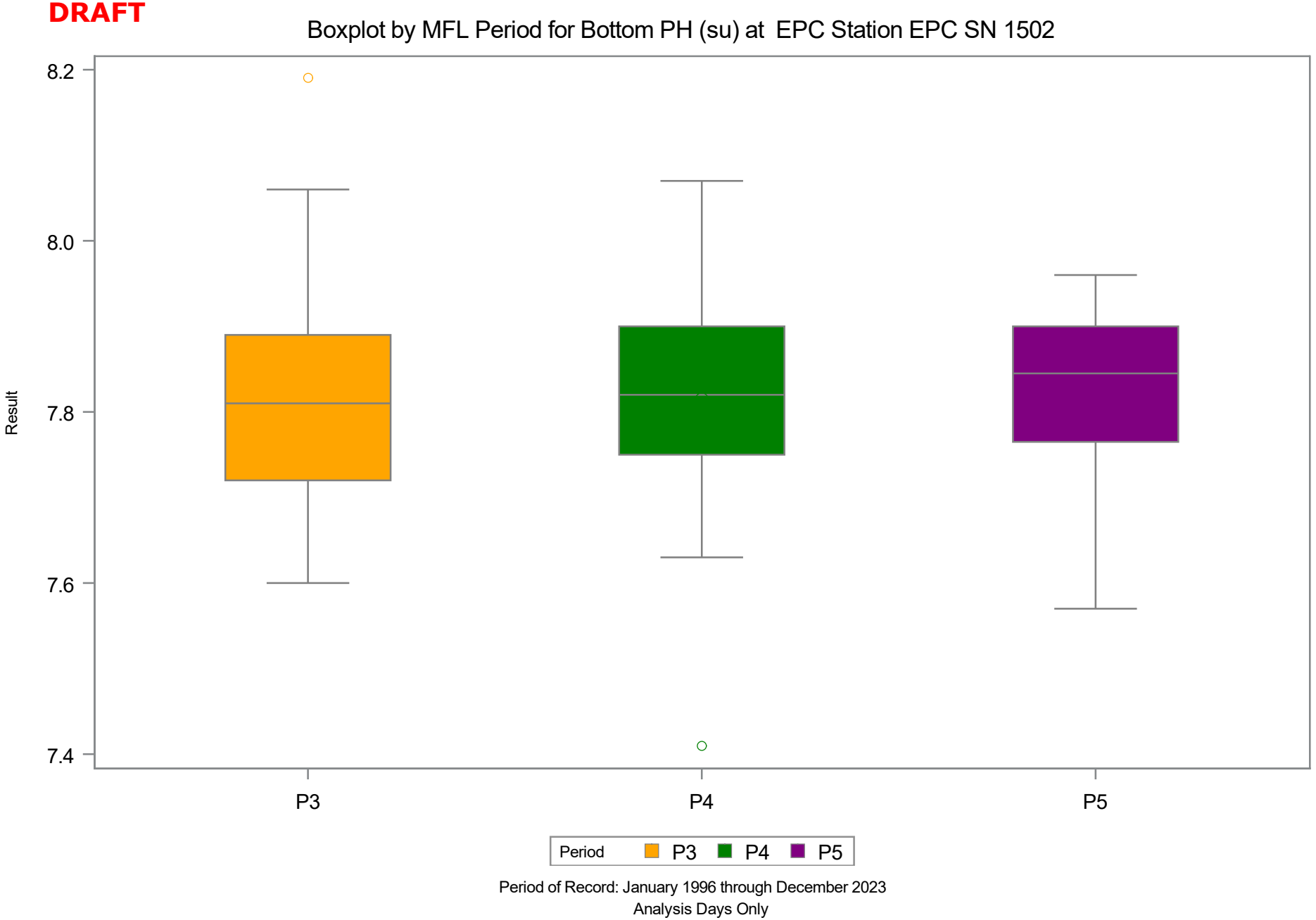
Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1502
Result
8.2
8.0
7.8
7.6
7.4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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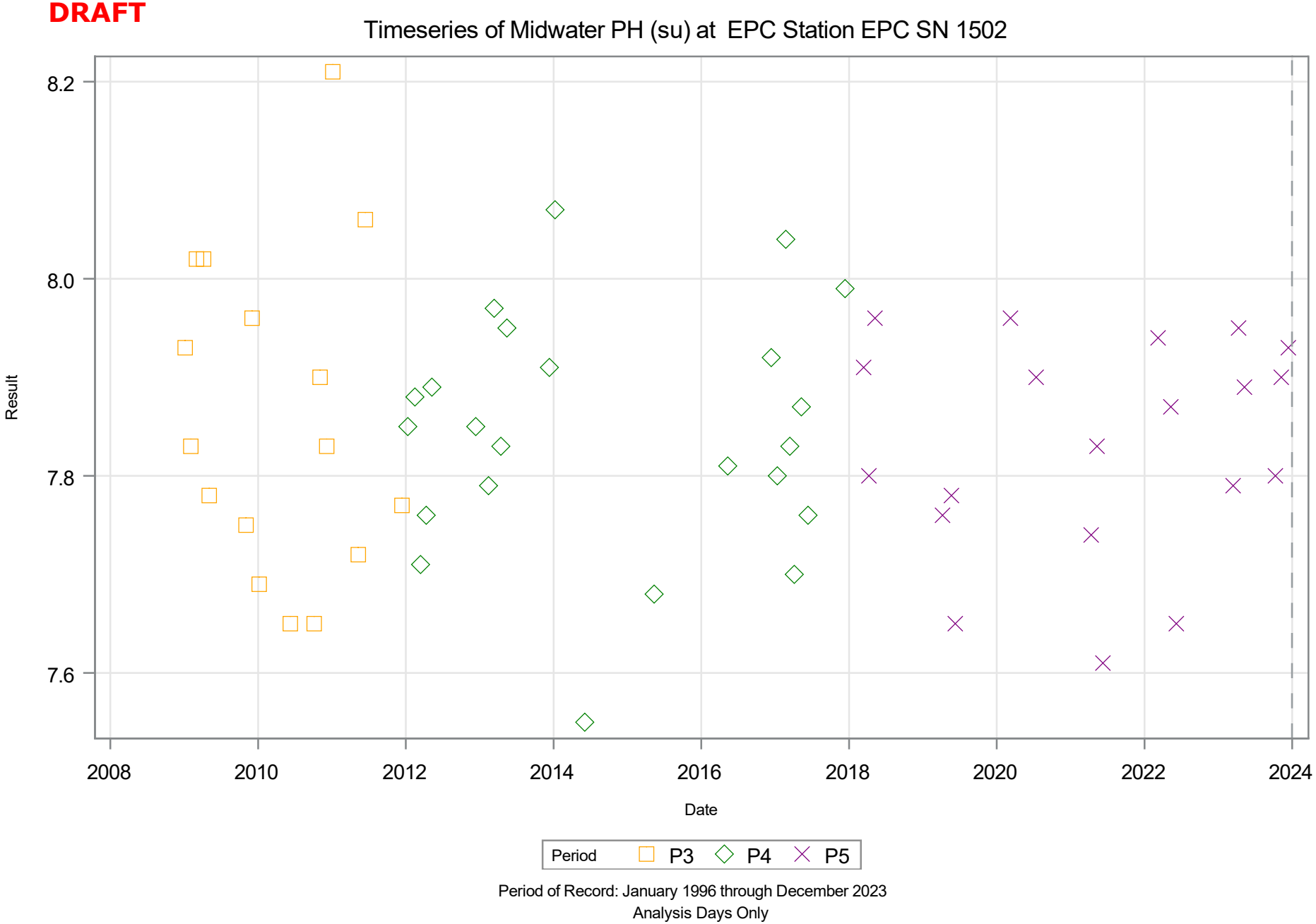
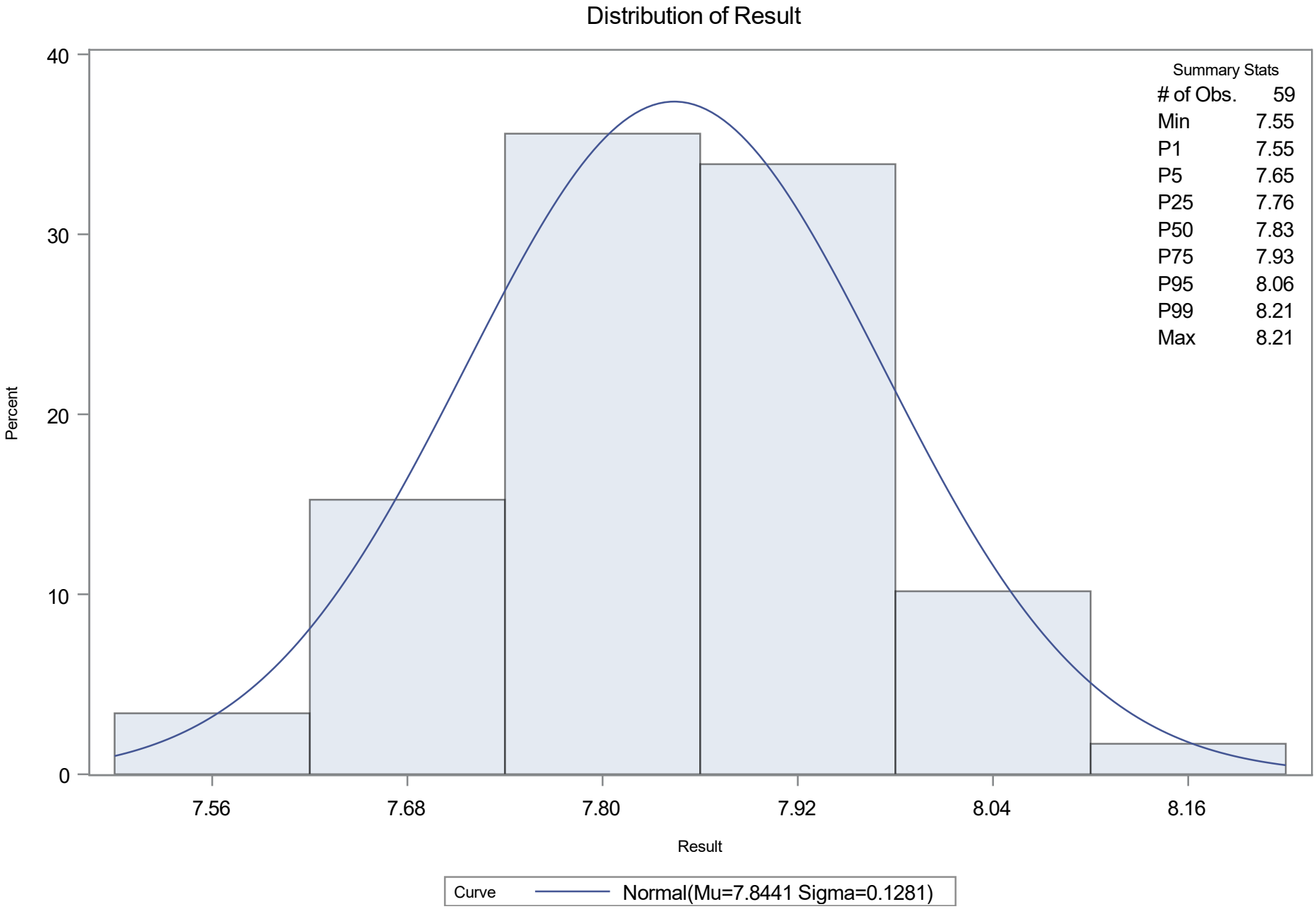


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.844068
Std Dev	Sigma	0.128091

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05220112	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02020917	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.15168217	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.55000	7.54608
5.0	7.65000	7.63338
10.0	7.65000	7.67991
25.0	7.76000	7.75767
50.0	7.83000	7.84407
75.0	7.93000	7.93046
90.0	8.02000	8.00822
95.0	8.06000	8.05476
99.0	8.21000	8.14205

Period of Record: January 1996 through December 2023
Analysis Days Only

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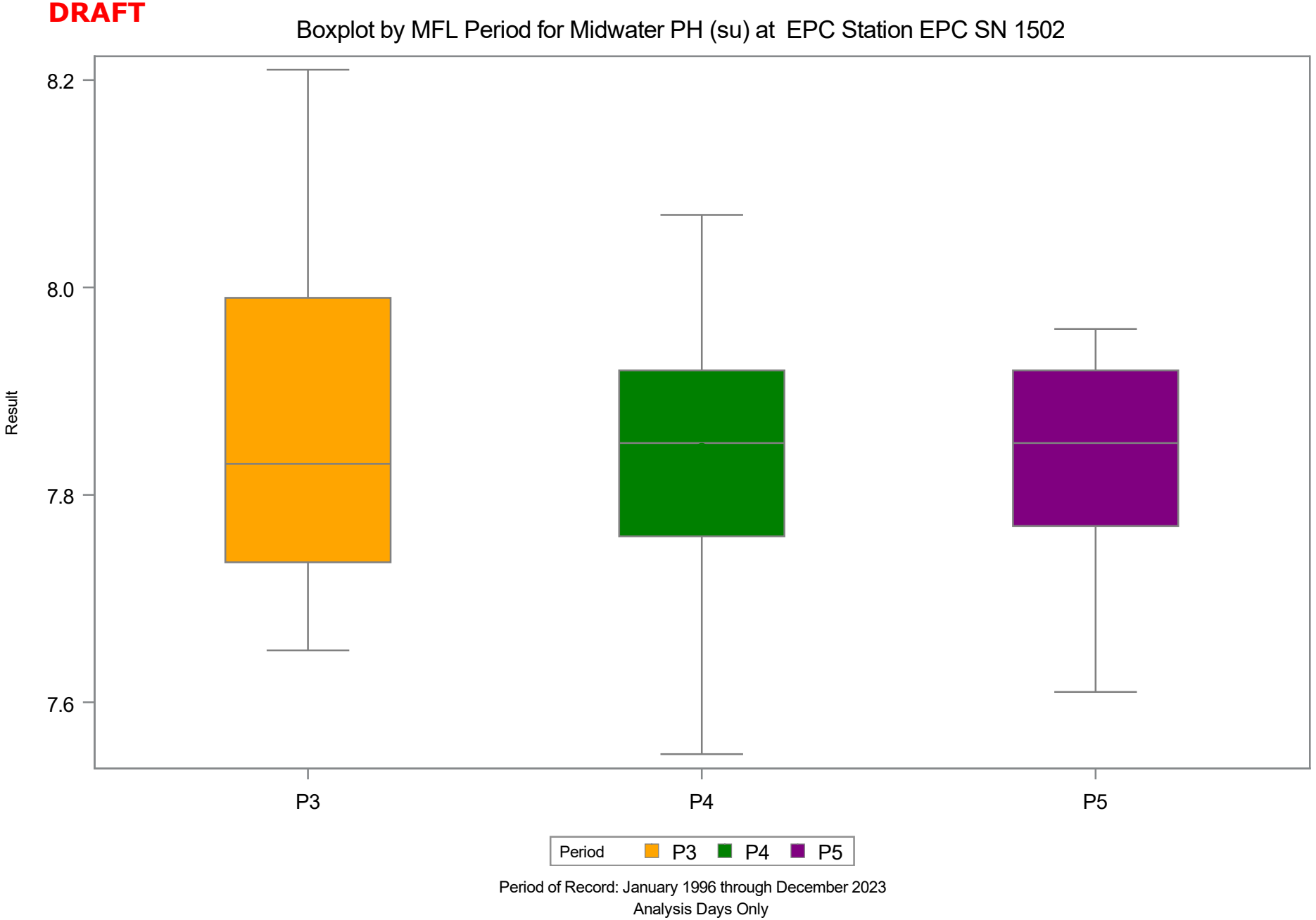
Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1502

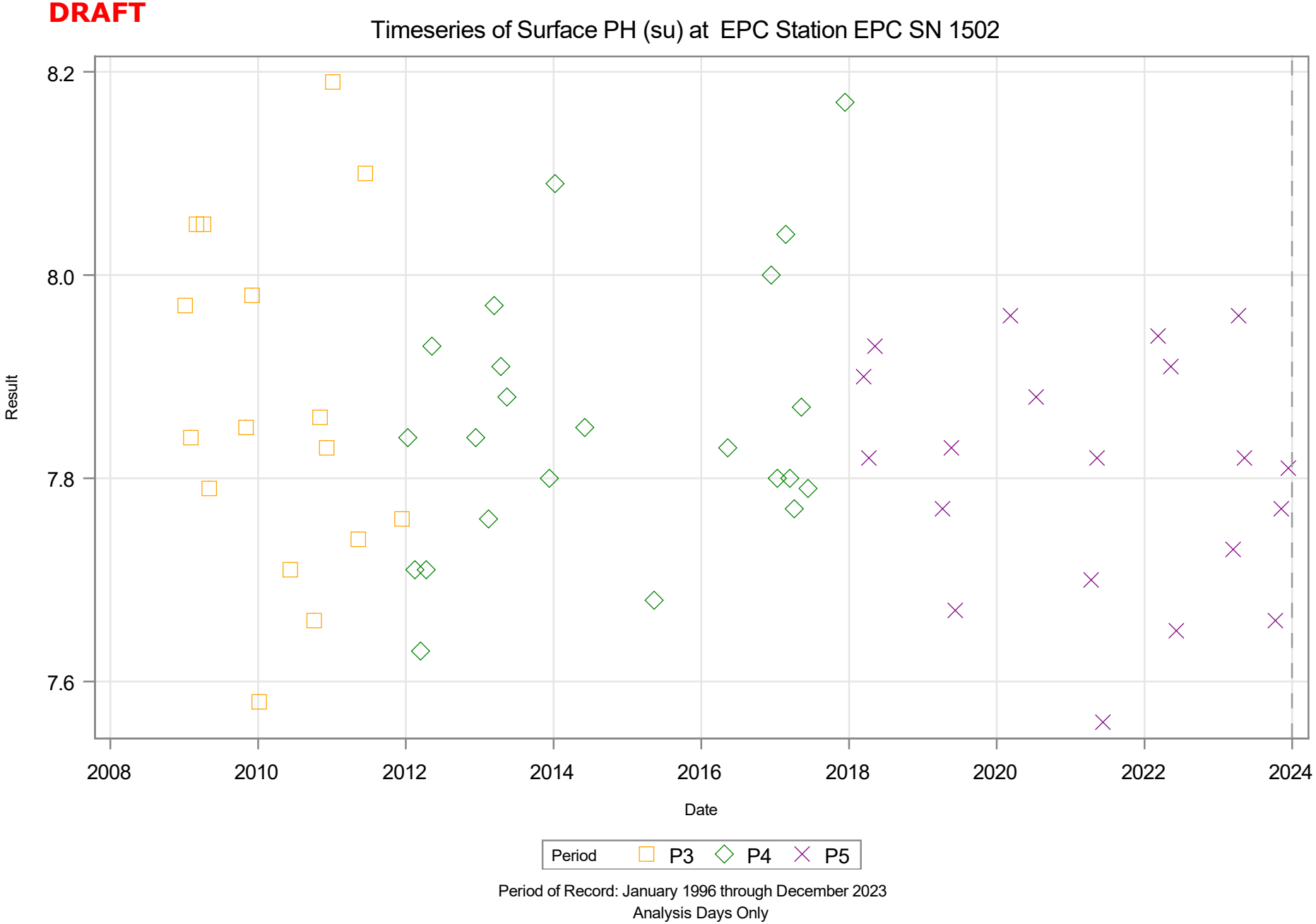
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.65	7.74	7.86	7.83	7.99	8.21
P4	23	7.55	7.76	7.84	7.85	7.92	8.07
P5	20	7.61	7.77	7.83	7.85	7.92	7.96

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

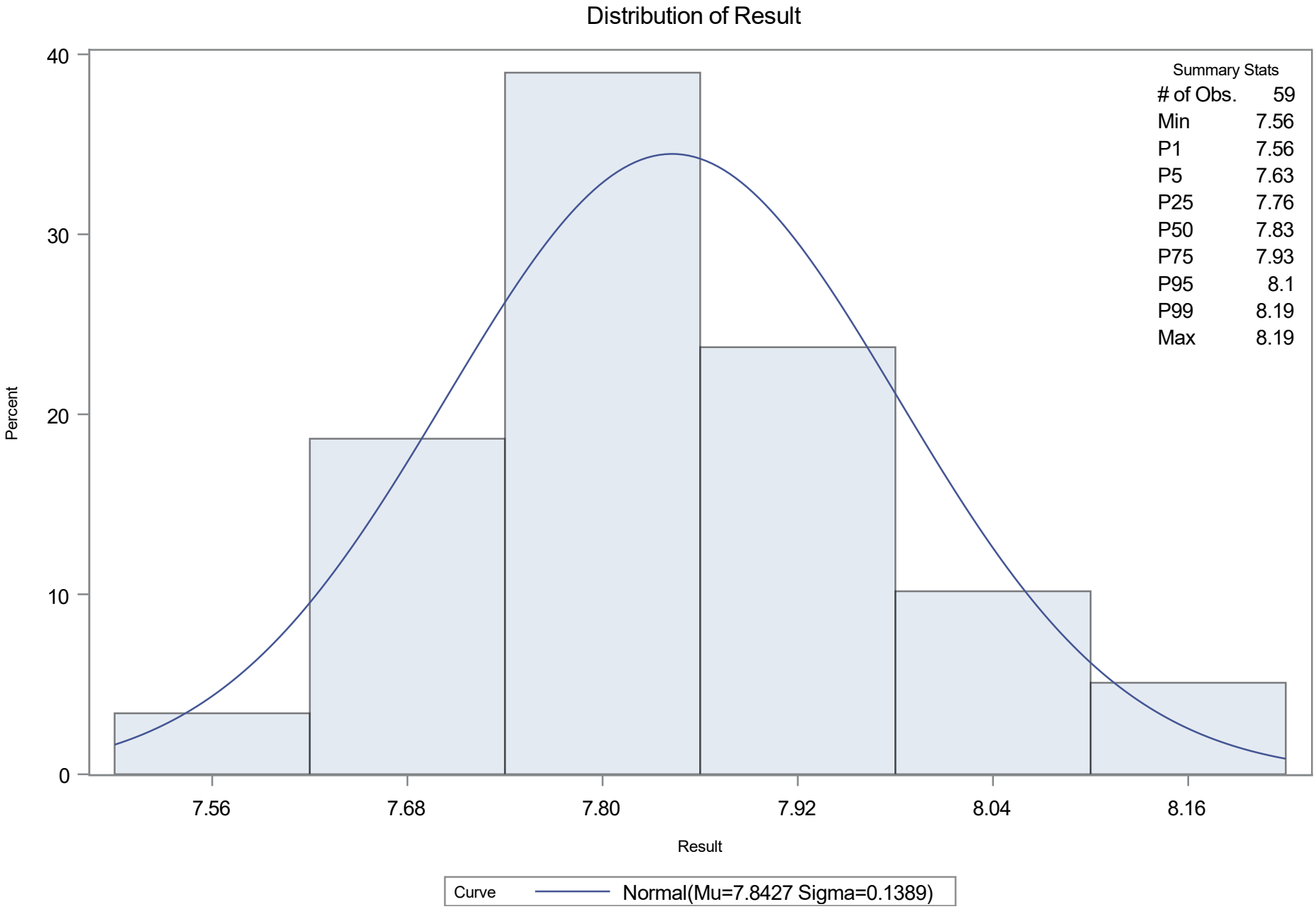

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1502
Result
8.2
8.0
7.8
7.6
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 1502
8.2
8.0
7.8
7.6
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.842712
Std Dev	Sigma	0.138898

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08924607	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05435478	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31443915	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.56000	7.51959
5.0	7.63000	7.61425
10.0	7.66000	7.66471
25.0	7.76000	7.74903
50.0	7.83000	7.84271
75.0	7.93000	7.93640
90.0	8.05000	8.02072
95.0	8.10000	8.07118
99.0	8.19000	8.16584

Period of Record: January 1996 through December 2023
Analysis Days Only

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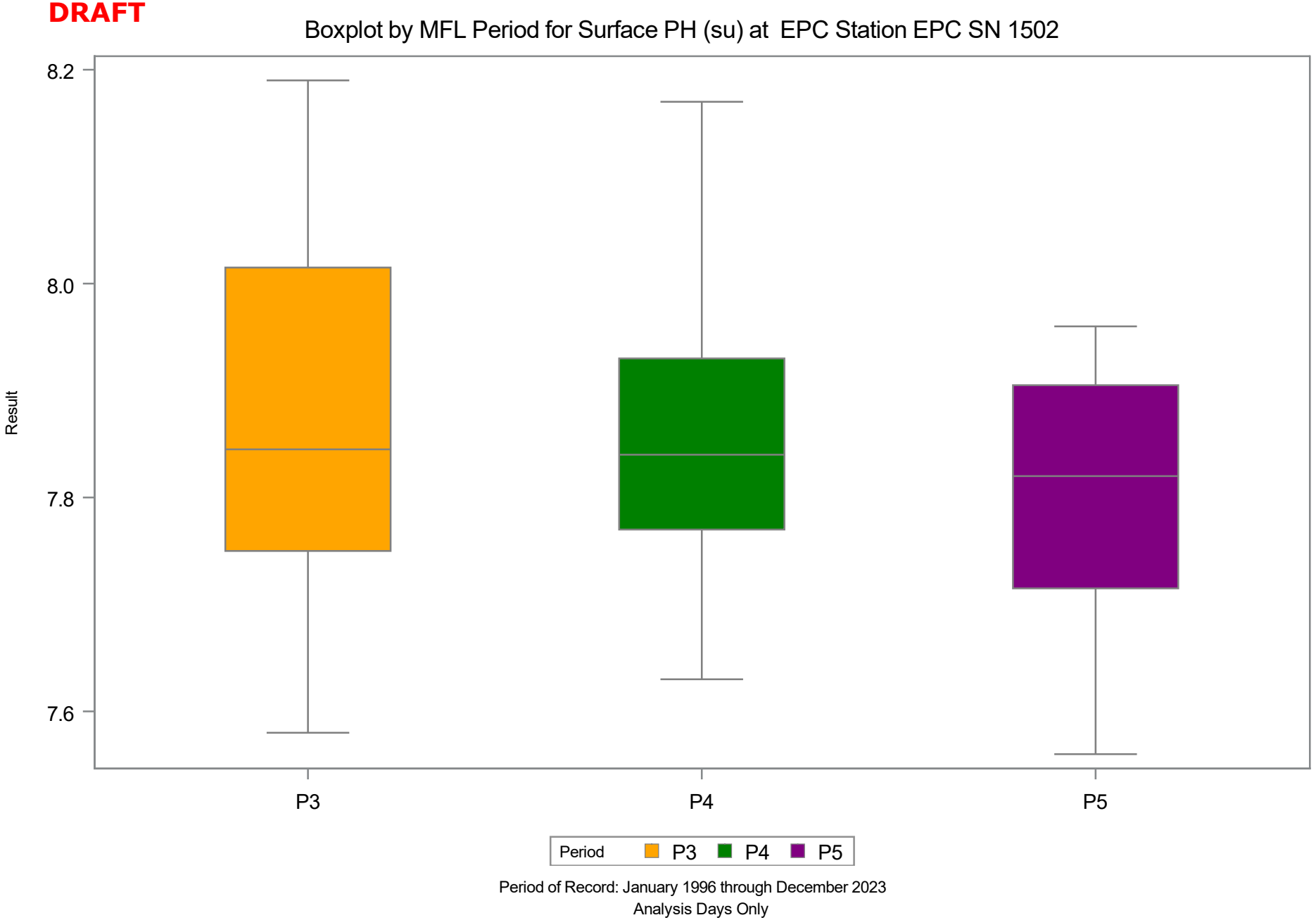
Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1502

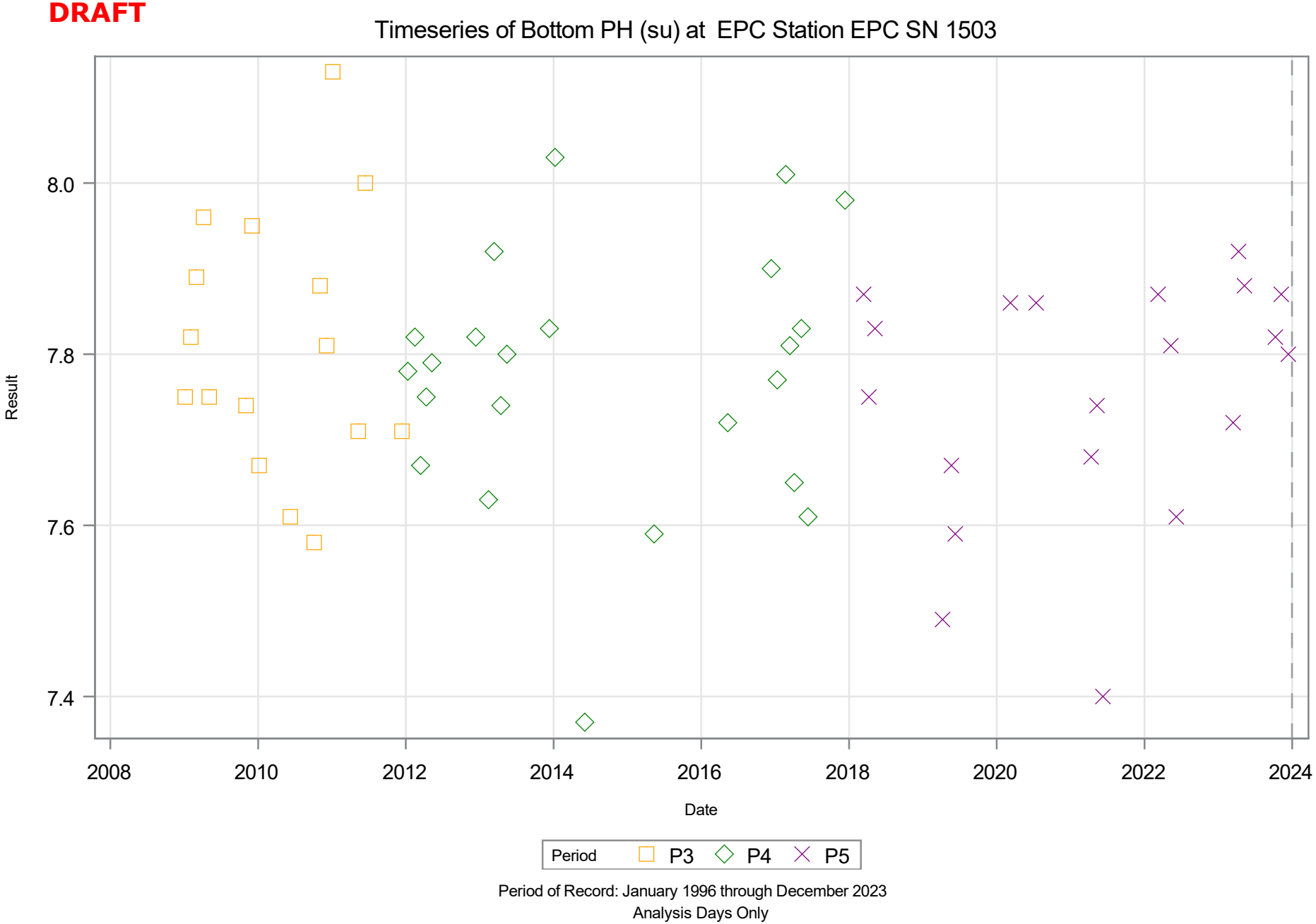
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.58	7.75	7.87	7.85	8.02	8.19
P4	23	7.63	7.77	7.86	7.84	7.93	8.17
P5	20	7.56	7.72	7.80	7.82	7.91	7.96

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

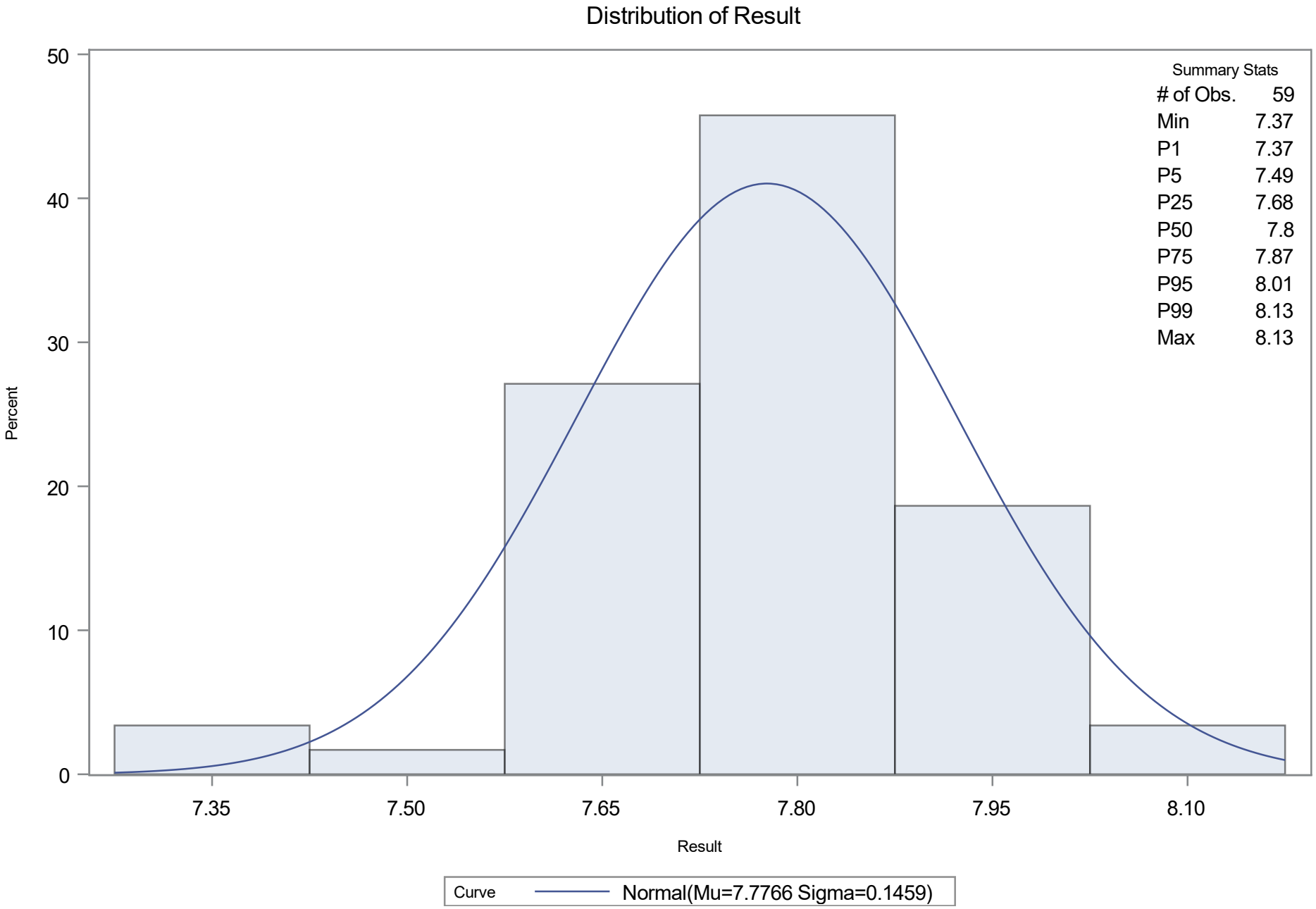

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1502
8.2
8.0
7.8
7.6
Result
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1503
Result
8.0
7.8
7.6
7.4
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.77661
Std Dev	Sigma	0.145858

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07887357	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05956061	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37123452	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.37000	7.43729
5.0	7.49000	7.53670
10.0	7.59000	7.58969
25.0	7.68000	7.67823
50.0	7.80000	7.77661
75.0	7.87000	7.87499
90.0	7.96000	7.96353
95.0	8.01000	8.01653
99.0	8.13000	8.11593

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.58	7.71	7.81	7.78	7.92	8.13
P4	23	7.37	7.67	7.77	7.79	7.83	8.03
P5	20	7.40	7.68	7.75	7.81	7.87	7.92

Period of Record: January 1996 through December 2023
Analysis Days Only

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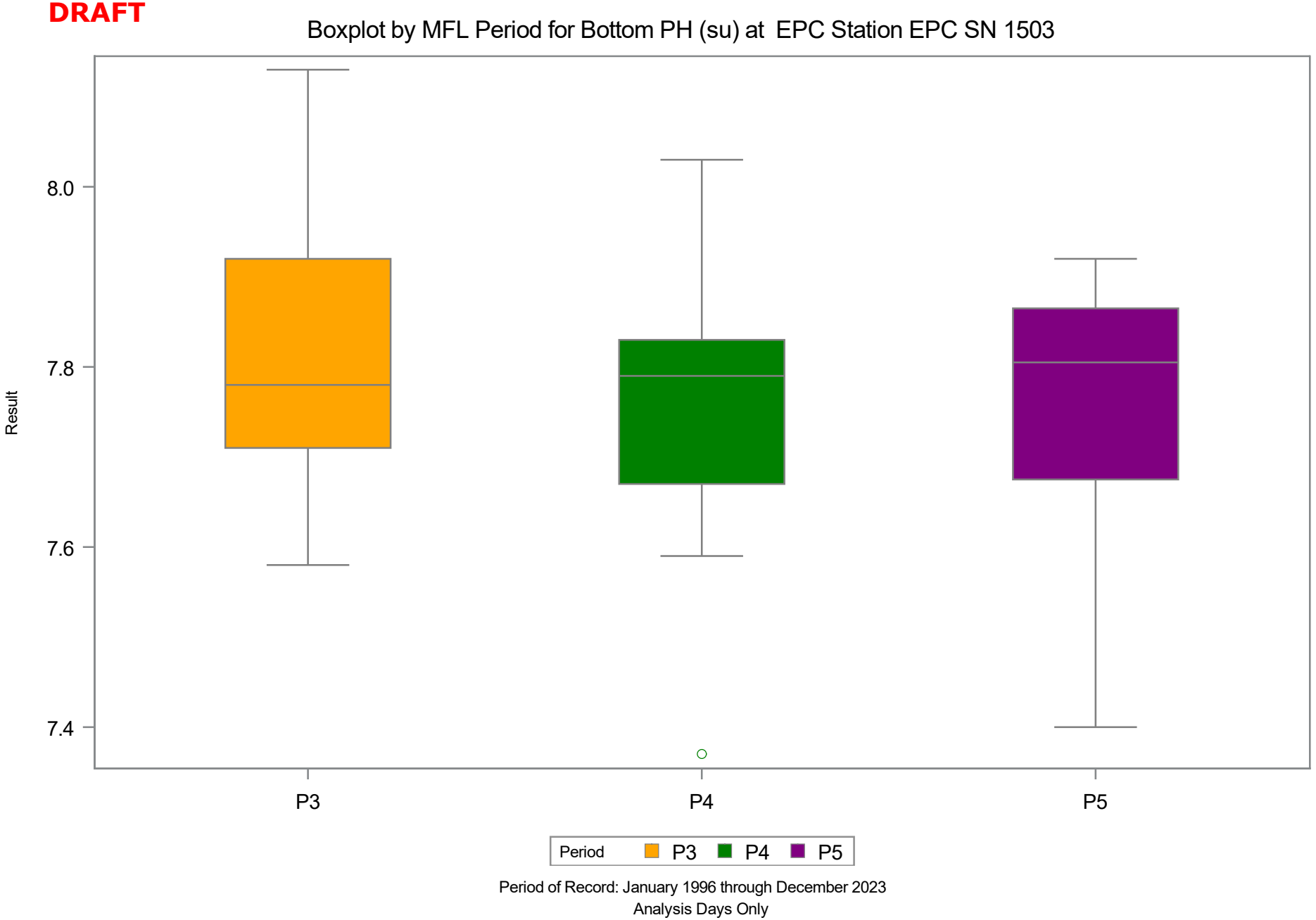
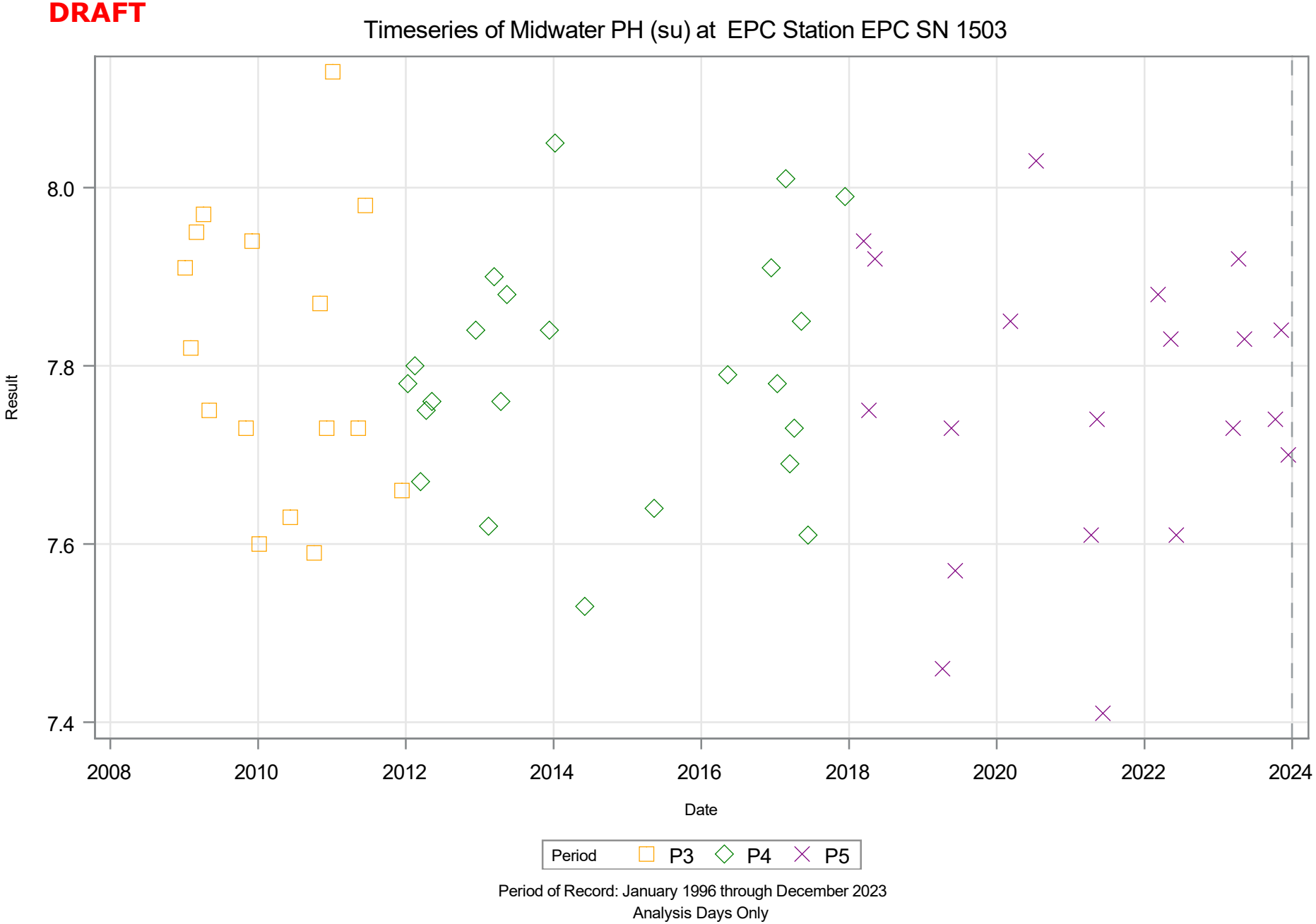

Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1503
Result
8.0
7.8
7.6
7.4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

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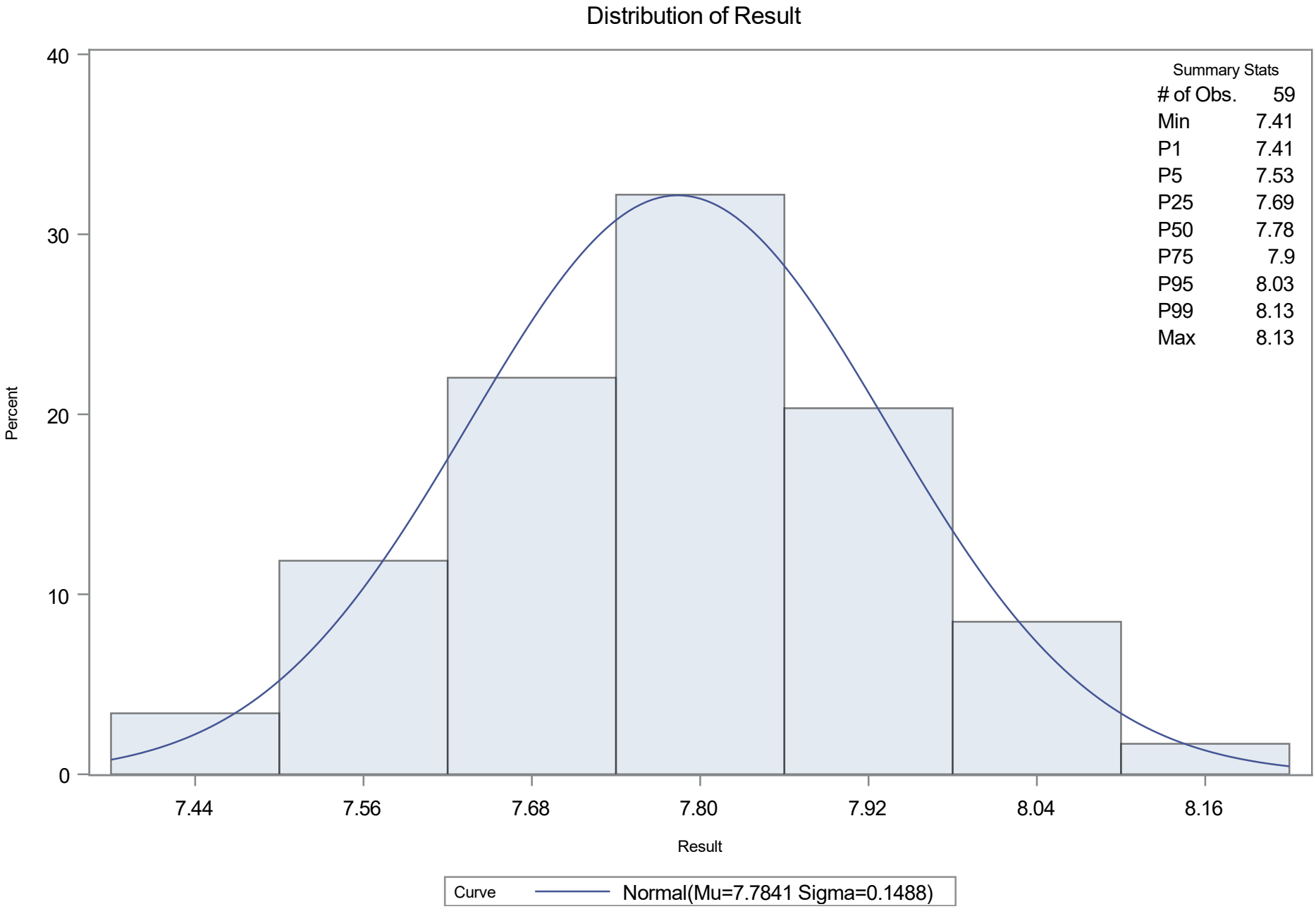
Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.784068
Std Dev	Sigma	0.148836

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08701474	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03282926	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18965403	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.41000	7.43782
5.0	7.53000	7.53925
10.0	7.60000	7.59333
25.0	7.69000	7.68368
50.0	7.78000	7.78407
75.0	7.90000	7.88446
90.0	7.98000	7.97481
95.0	8.03000	8.02888
99.0	8.13000	8.13031

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.59	7.70	7.81	7.79	7.95	8.13
P4	23	7.53	7.69	7.79	7.78	7.88	8.05
P5	20	7.41	7.66	7.75	7.75	7.87	8.03

Period of Record: January 1996 through December 2023
Analysis Days Only

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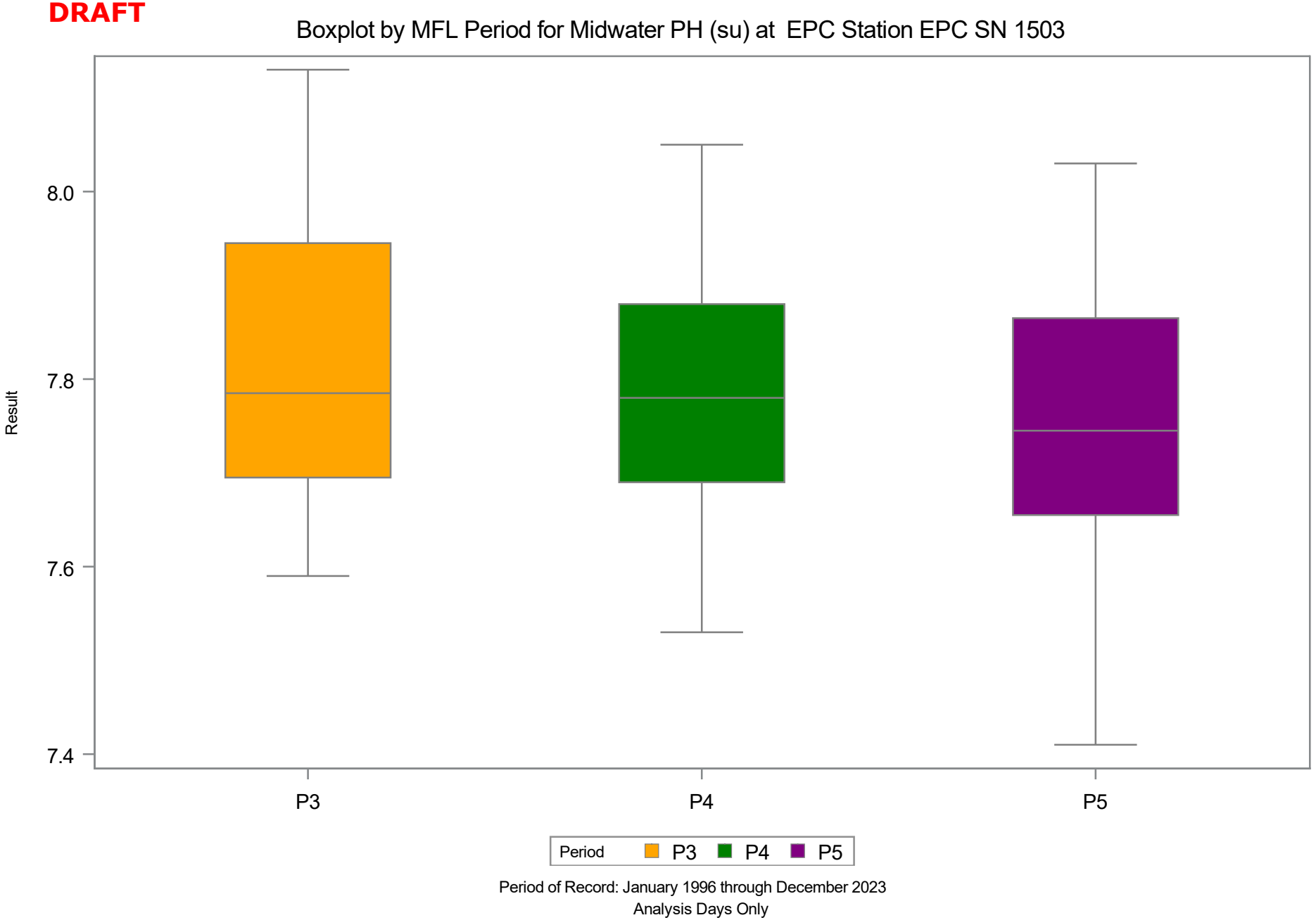
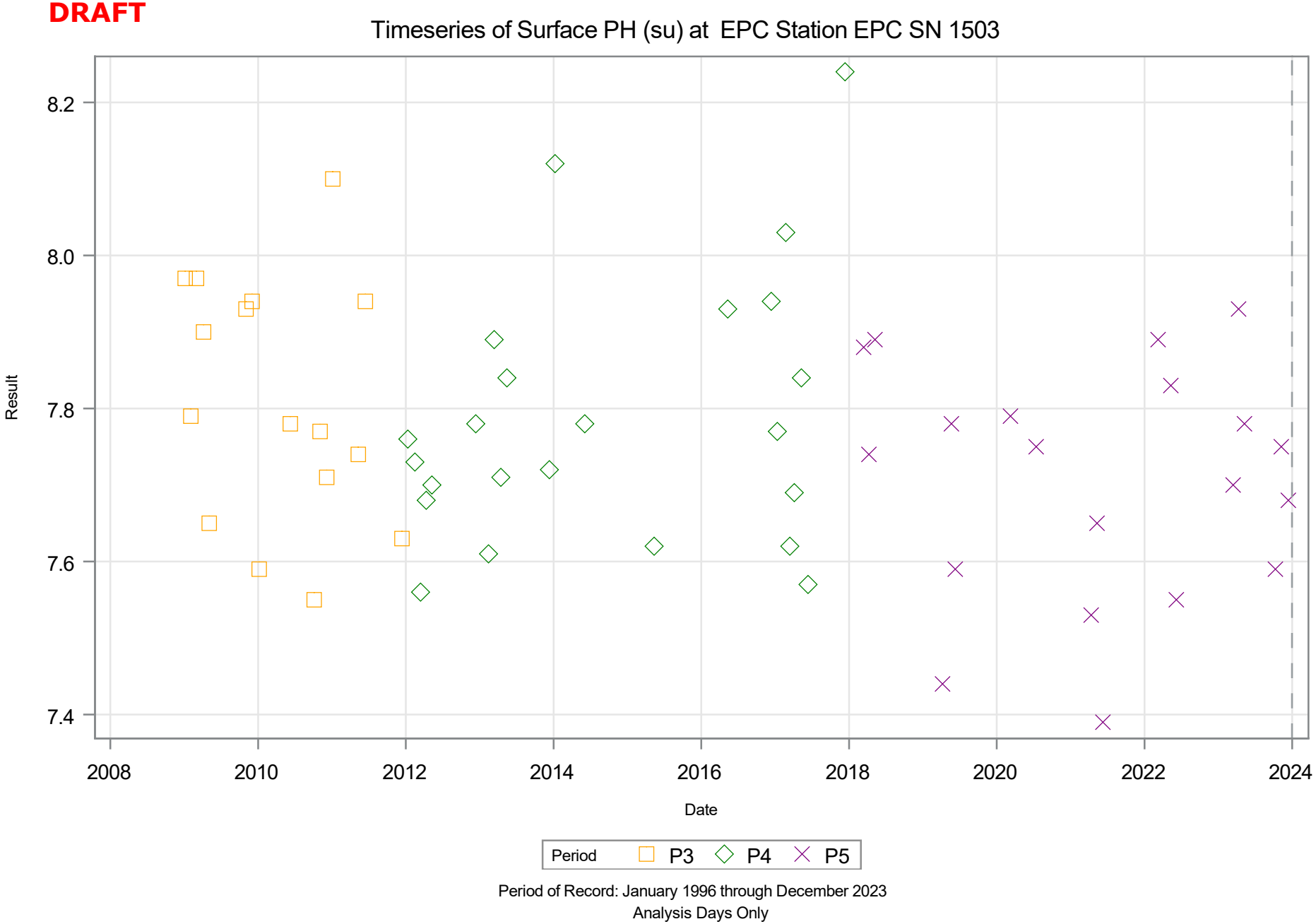
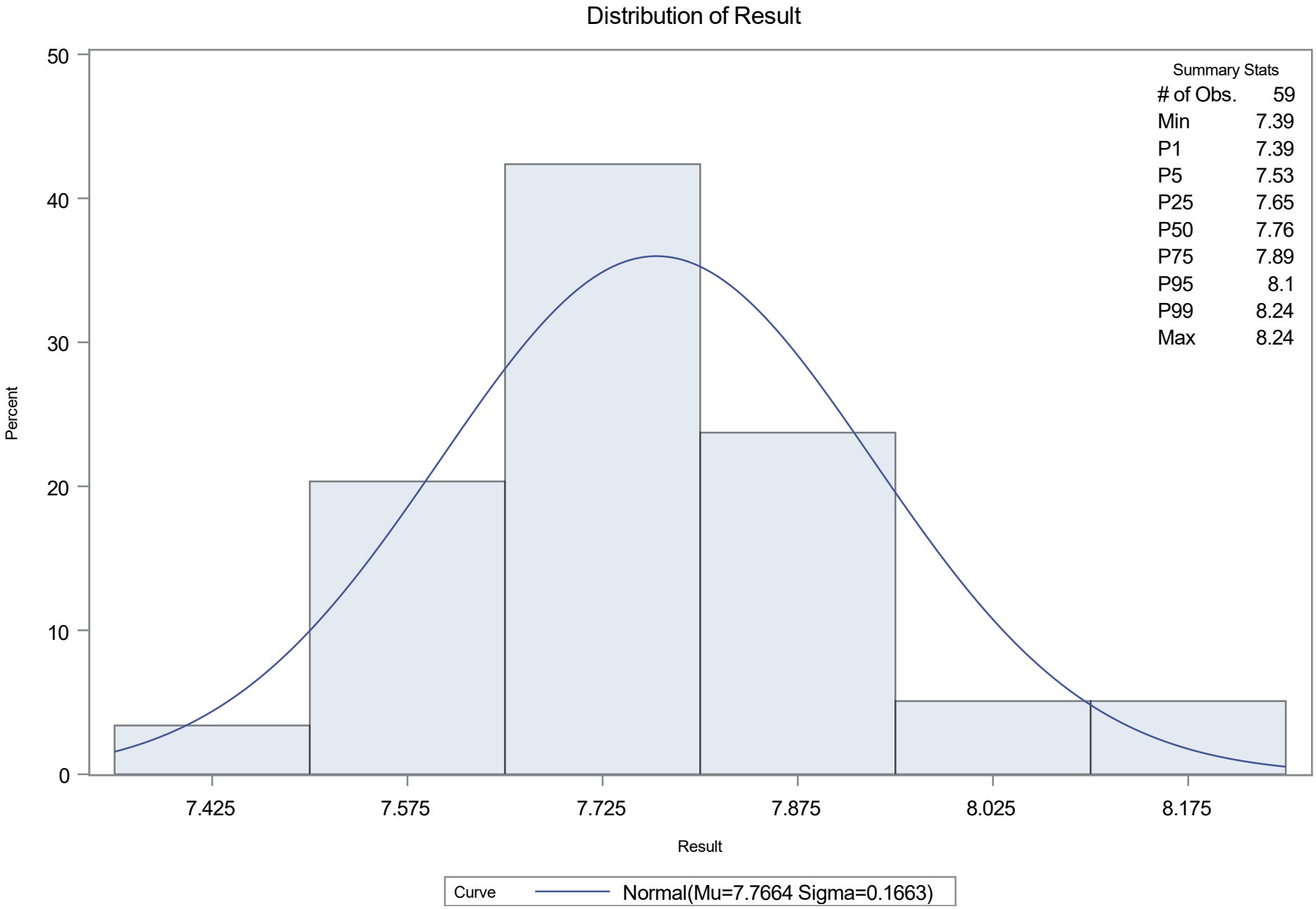

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1503
Result
8.0
7.8
7.6
7.4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 1503
Result
8.2
8.0
7.8
7.6
7.4
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.766441
Std Dev	Sigma	0.166296

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10468688	**Pr > D**	0.105
Cramer-von Mises	**W-Sq**	0.05104180	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31394913	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.39000	7.37958
5.0	7.53000	7.49291
10.0	7.56000	7.55332
25.0	7.65000	7.65428
50.0	7.76000	7.76644
75.0	7.89000	7.87861
90.0	7.97000	7.97956
95.0	8.10000	8.03997
99.0	8.24000	8.15330

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.55	7.68	7.81	7.79	7.94	8.10
P4	23	7.56	7.68	7.79	7.76	7.89	8.24
P5	20	7.39	7.59	7.71	7.75	7.81	7.93

Period of Record: January 1996 through December 2023
Analysis Days Only

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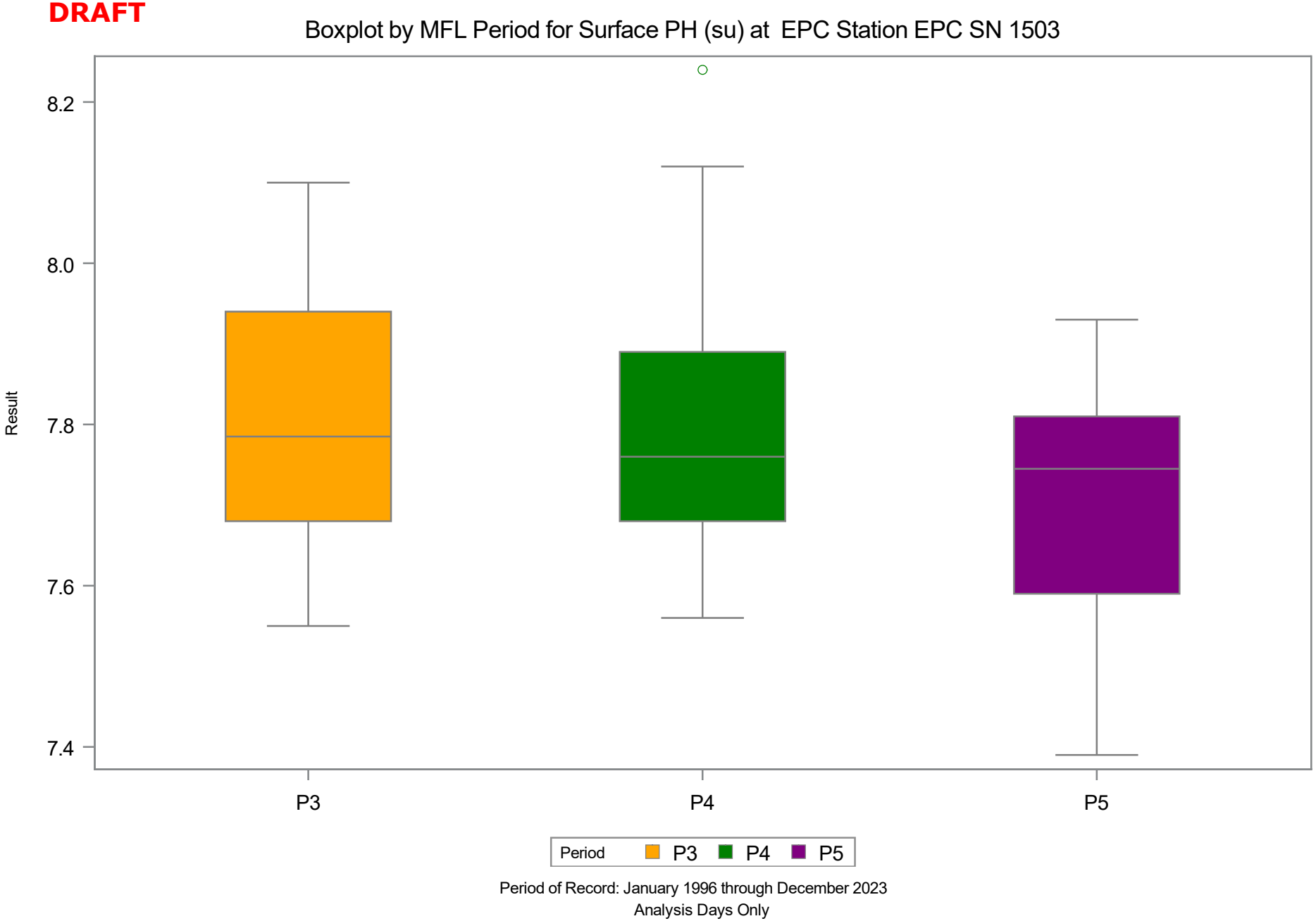
Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1503
Result
8.2
8.0
7.8
7.6
7.4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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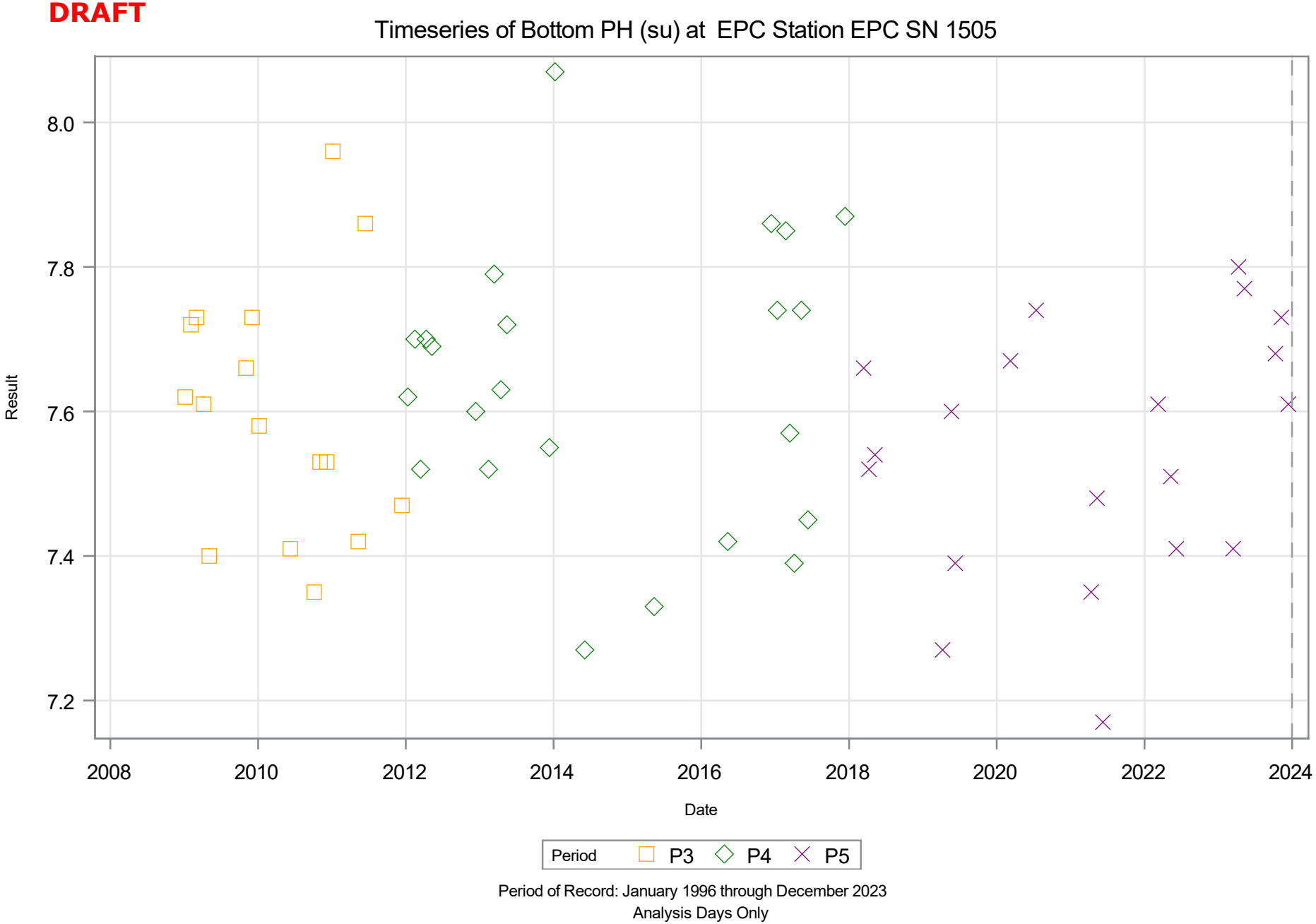

Period of Record: January 1996 through December 2023
Analysis Days Only

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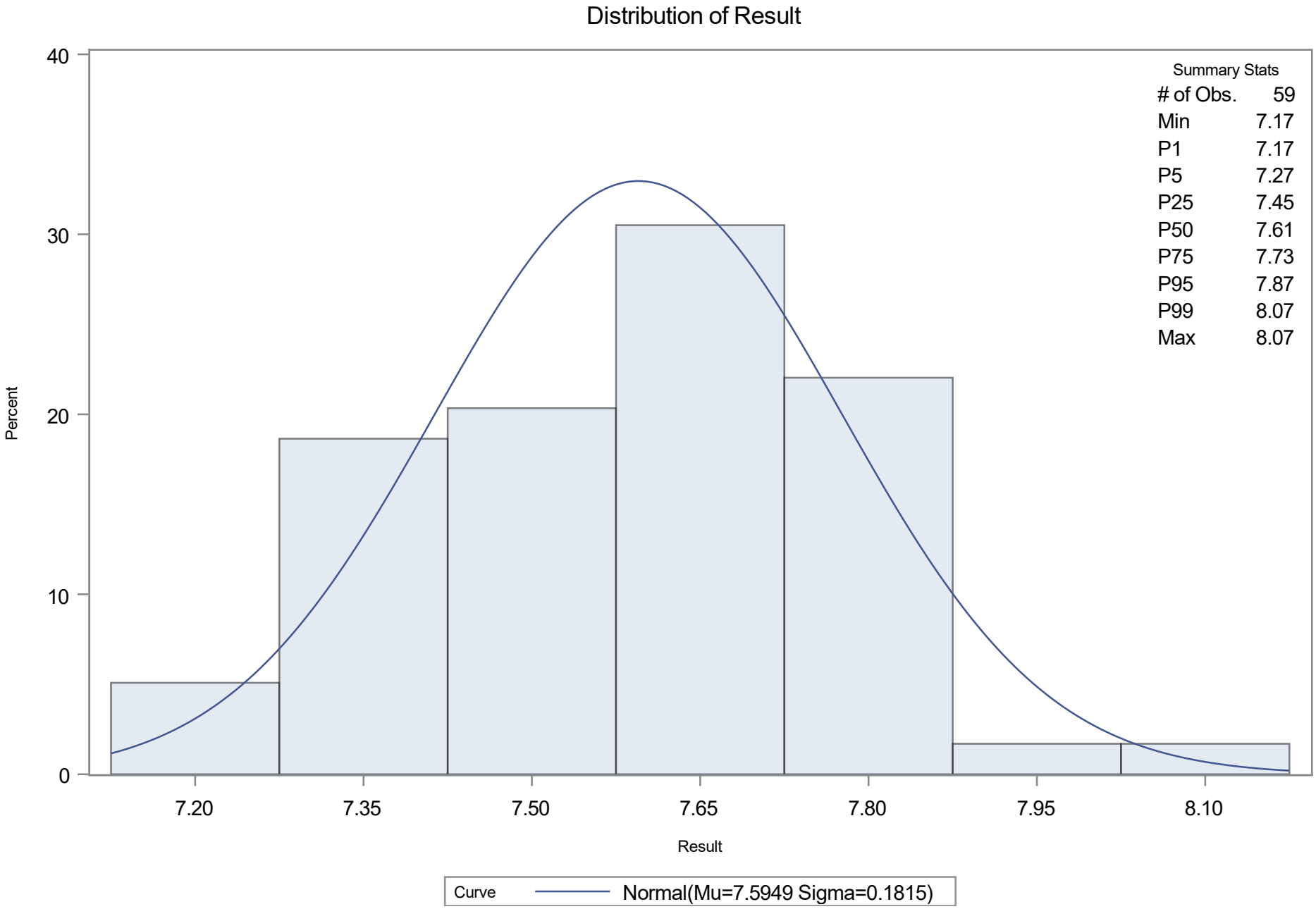
Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.594915
Std Dev	Sigma	0.181549

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06963033	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03279097	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21375973	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.17000	7.17257
5.0	7.27000	7.29629
10.0	7.35000	7.36225
25.0	7.45000	7.47246
50.0	7.61000	7.59492
75.0	7.73000	7.71737
90.0	7.85000	7.82758
95.0	7.87000	7.89354
99.0	8.07000	8.01726

Period of Record: January 1996 through December 2023
Analysis Days Only

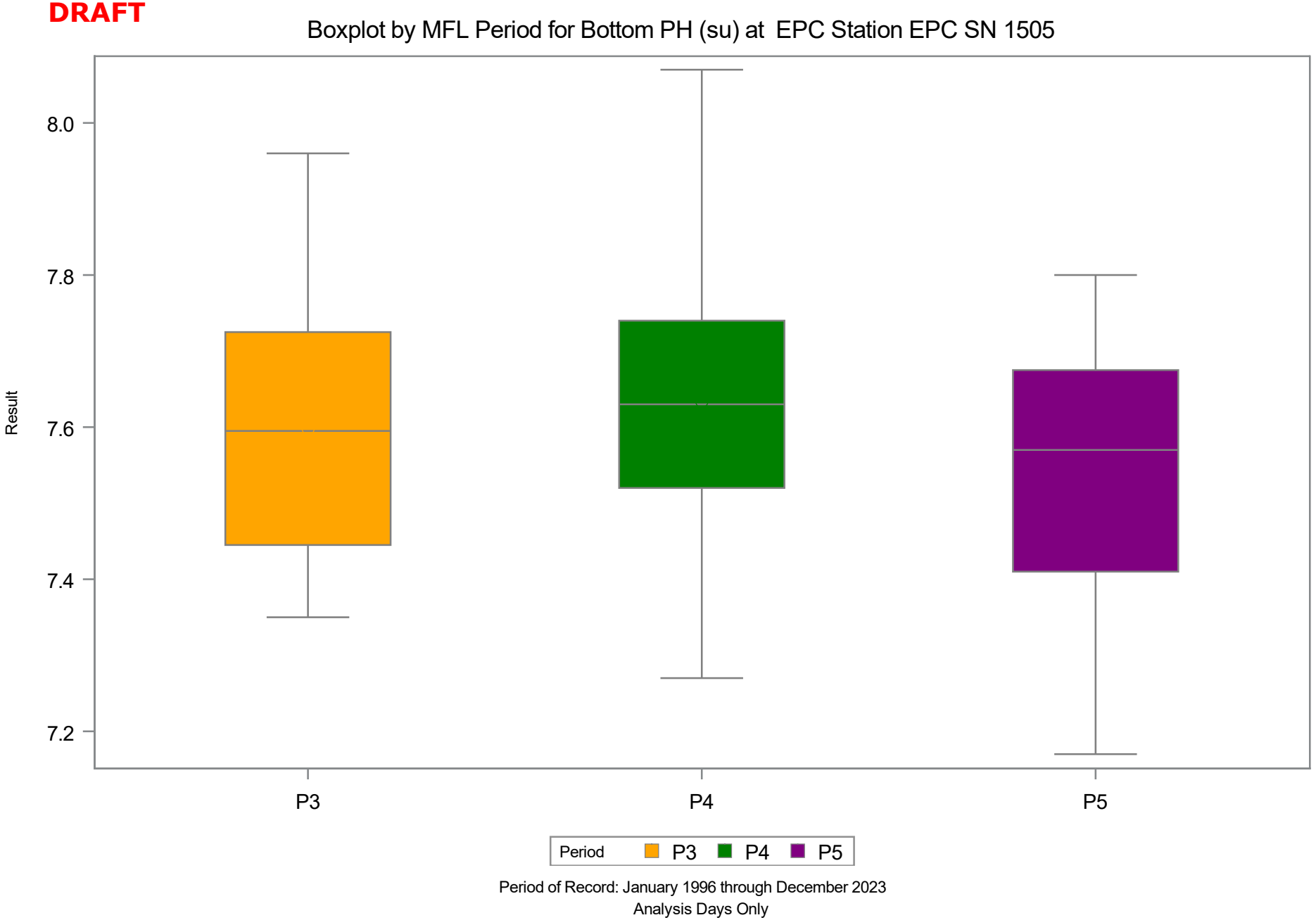
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1505

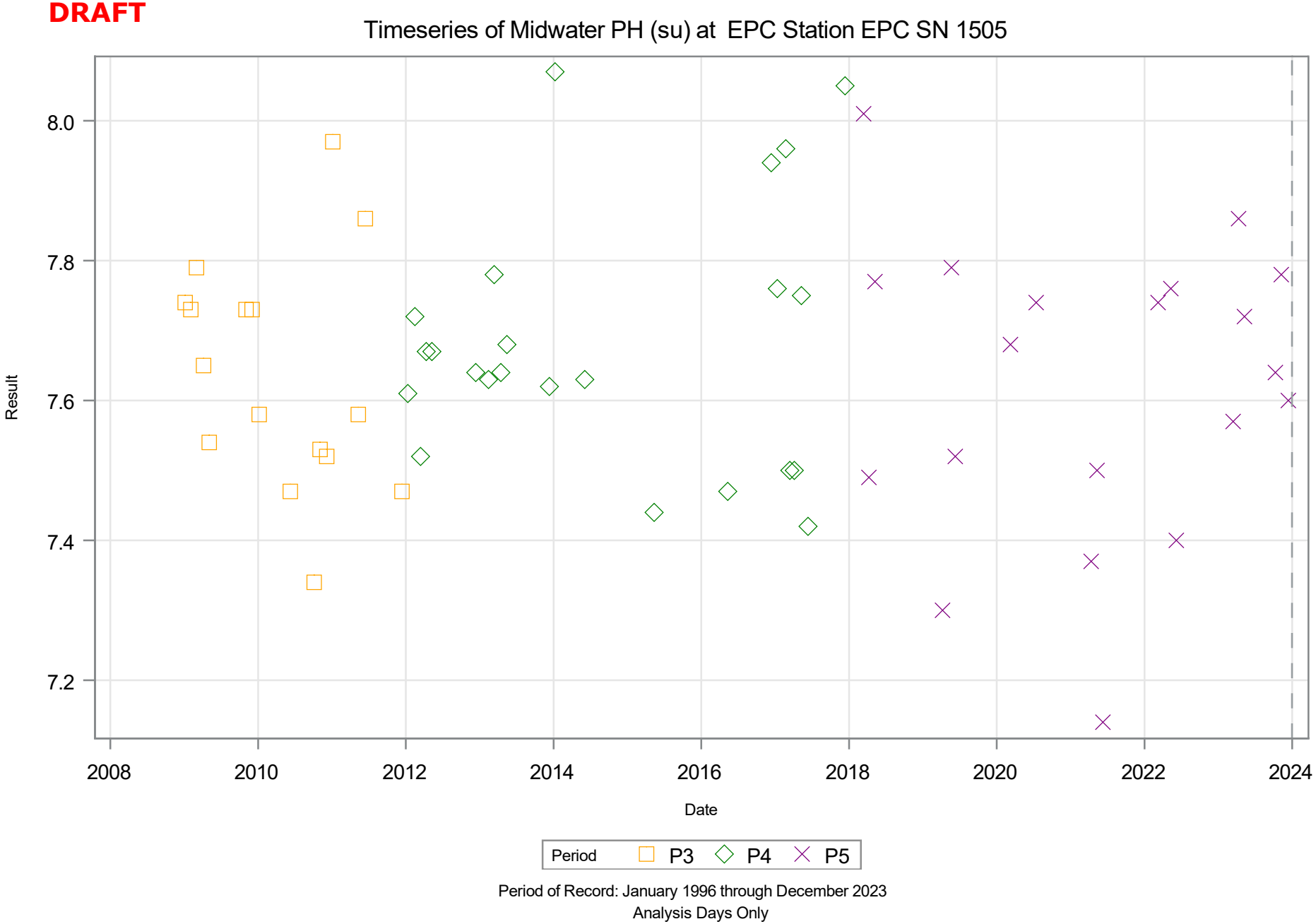
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.35	7.45	7.60	7.60	7.73	7.96
P4	23	7.27	7.52	7.63	7.63	7.74	8.07
P5	20	7.17	7.41	7.55	7.57	7.68	7.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

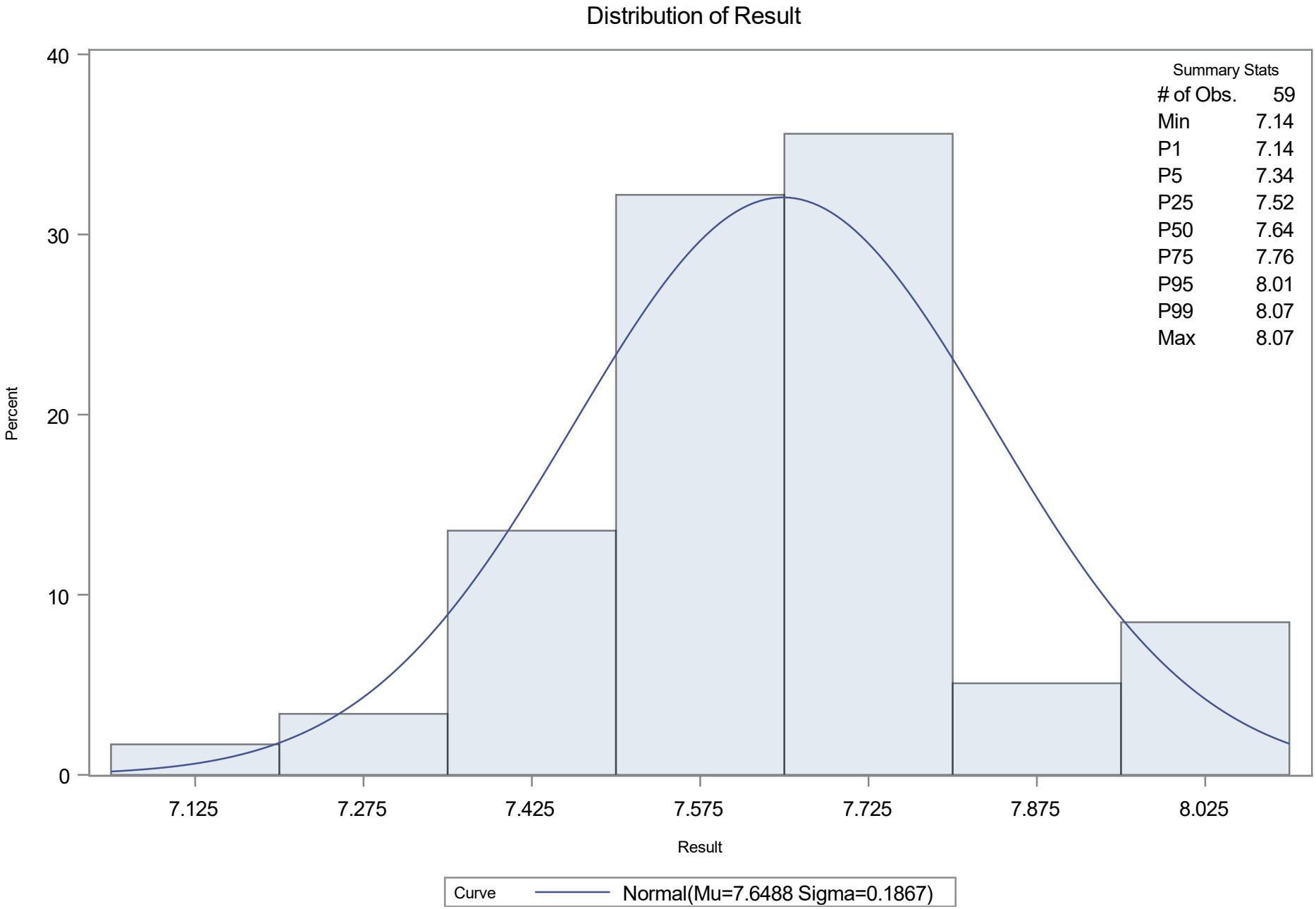

Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1505
Result
8.0
7.8
7.6
7.4
7.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at EPC Station EPC SN 1505
Result
8.0
7.8
7.6
7.4
7.2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.648814
Std Dev	Sigma	0.18665

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08910445	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04484607	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31217176	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.14000	7.21460
5.0	7.34000	7.34180
10.0	7.42000	7.40961
25.0	7.52000	7.52292
50.0	7.64000	7.64881
75.0	7.76000	7.77471
90.0	7.94000	7.88802
95.0	8.01000	7.95583
99.0	8.07000	8.08303

Period of Record: January 1996 through December 2023
Analysis Days Only

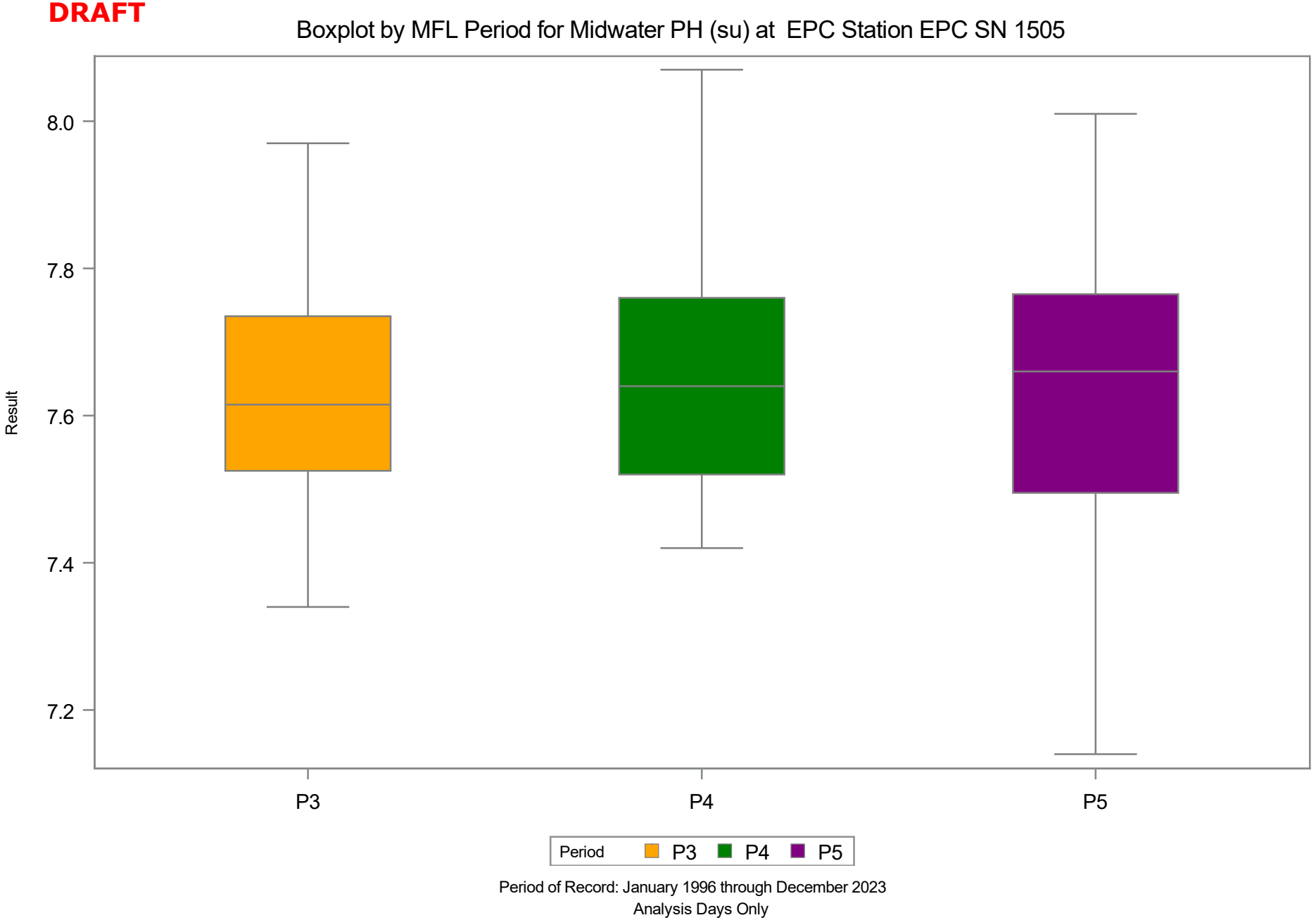
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1505

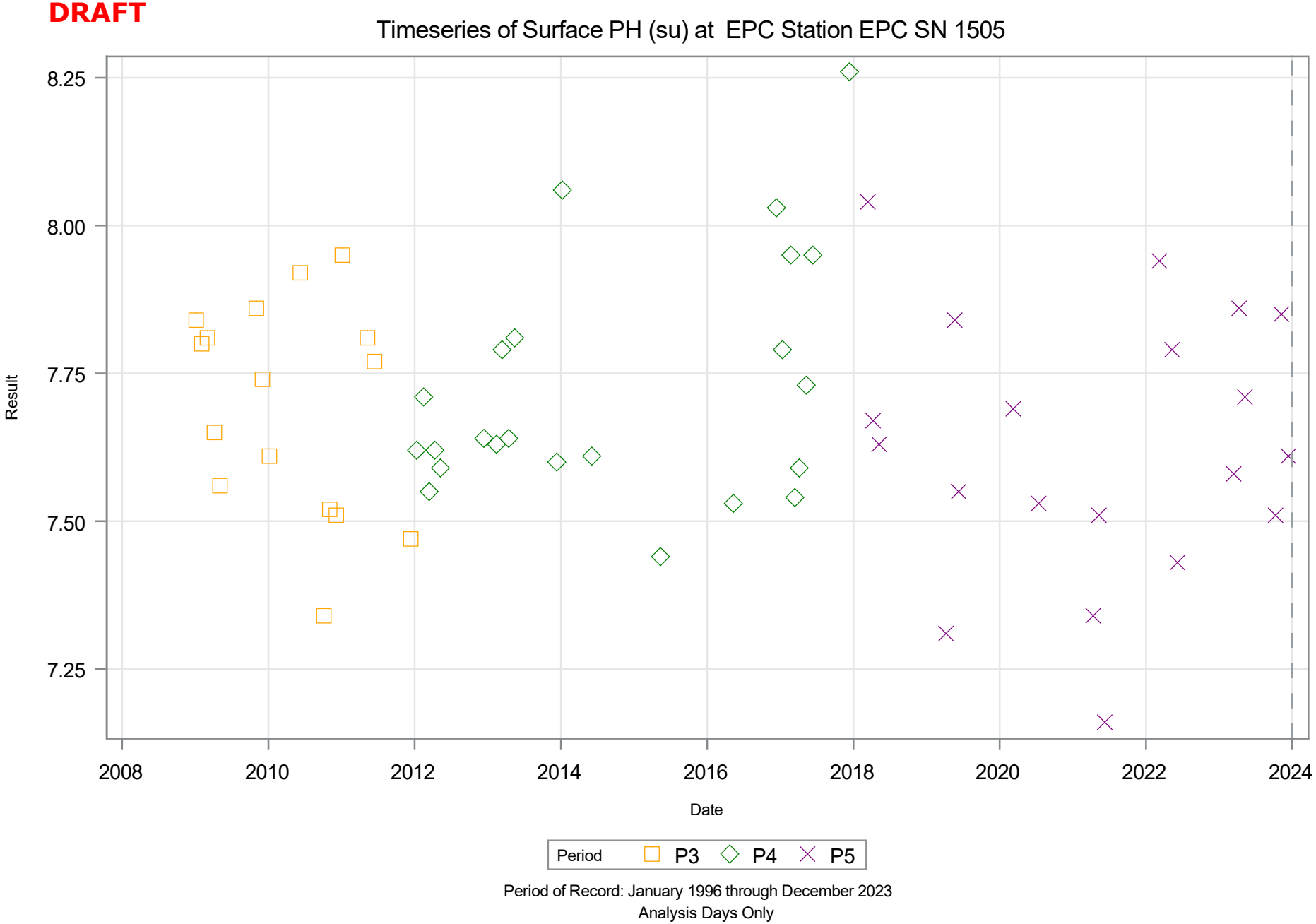
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.34	7.53	7.64	7.62	7.74	7.97
P4	23	7.42	7.52	7.68	7.64	7.76	8.07
P5	20	7.14	7.50	7.62	7.66	7.77	8.01

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

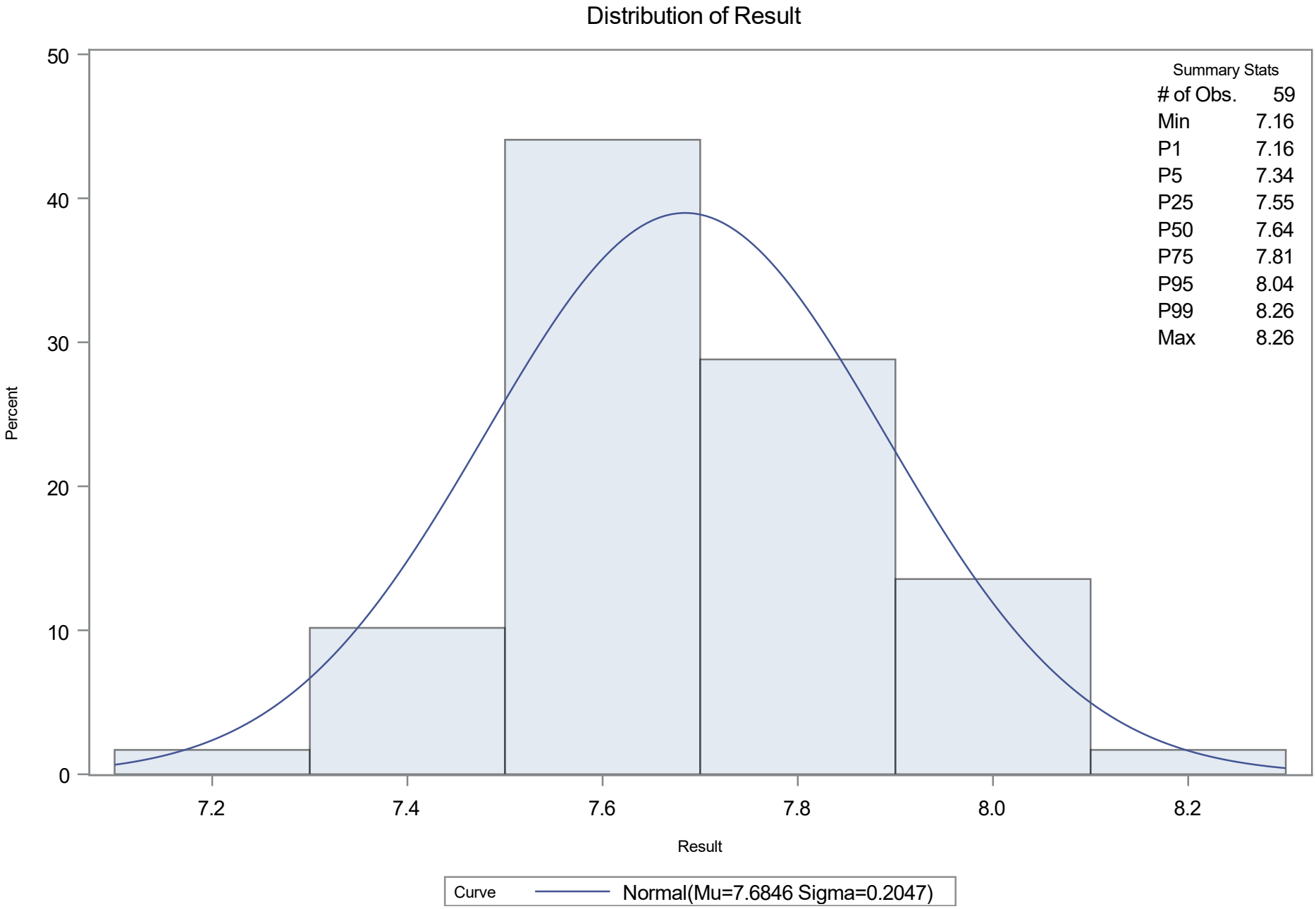

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1505
Result
8.0
7.8
7.6
7.4
7.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 1505
8.25
8.00
7.75
7.50
7.25
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.684576
Std Dev	Sigma	0.204664

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09468300	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06577059	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36462596	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.16000	7.20846
5.0	7.34000	7.34793
10.0	7.44000	7.42229
25.0	7.55000	7.54653
50.0	7.64000	7.68458
75.0	7.81000	7.82262
90.0	7.95000	7.94686
95.0	8.04000	8.02122
99.0	8.26000	8.16070

Period of Record: January 1996 through December 2023
Analysis Days Only

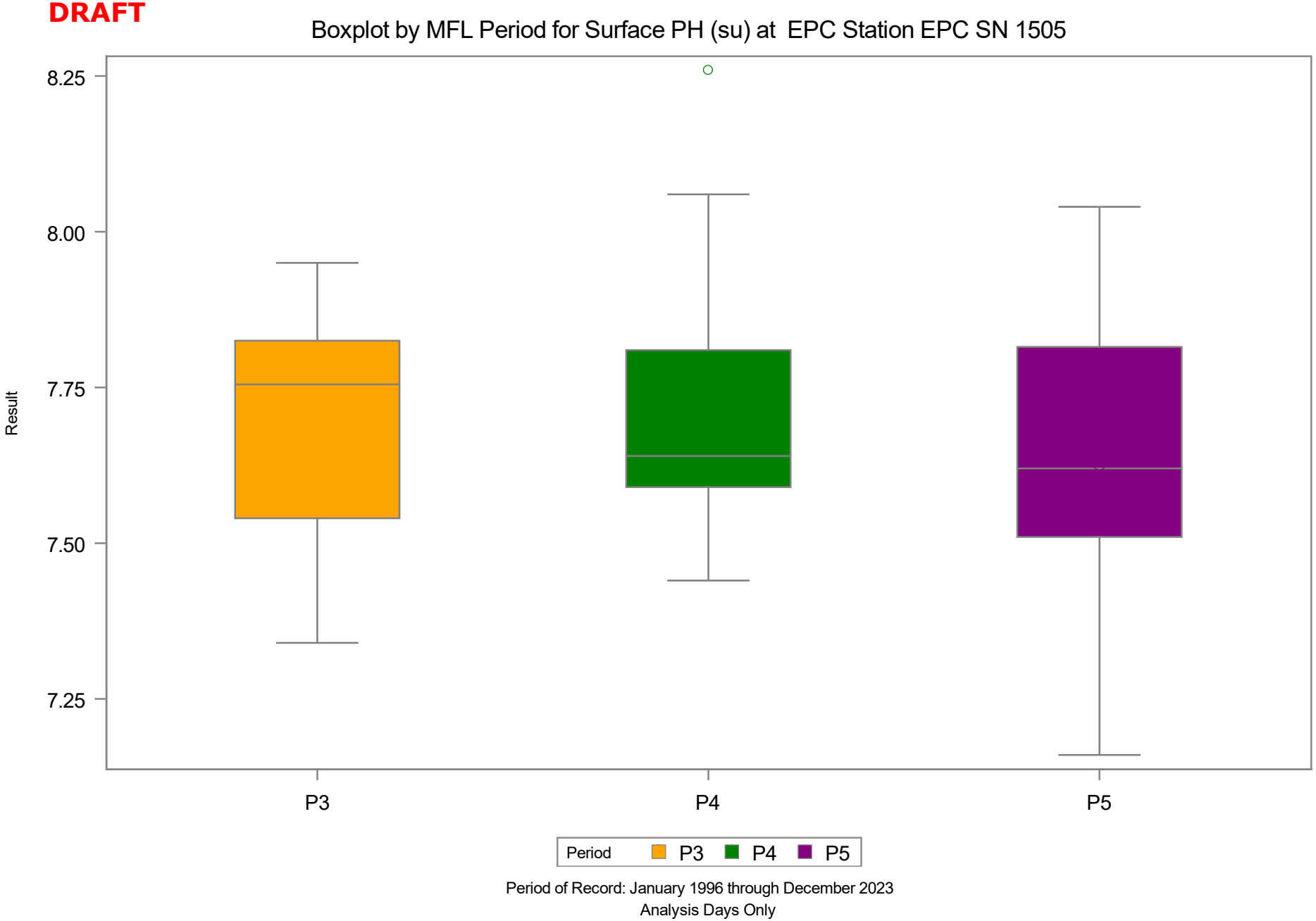
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1505

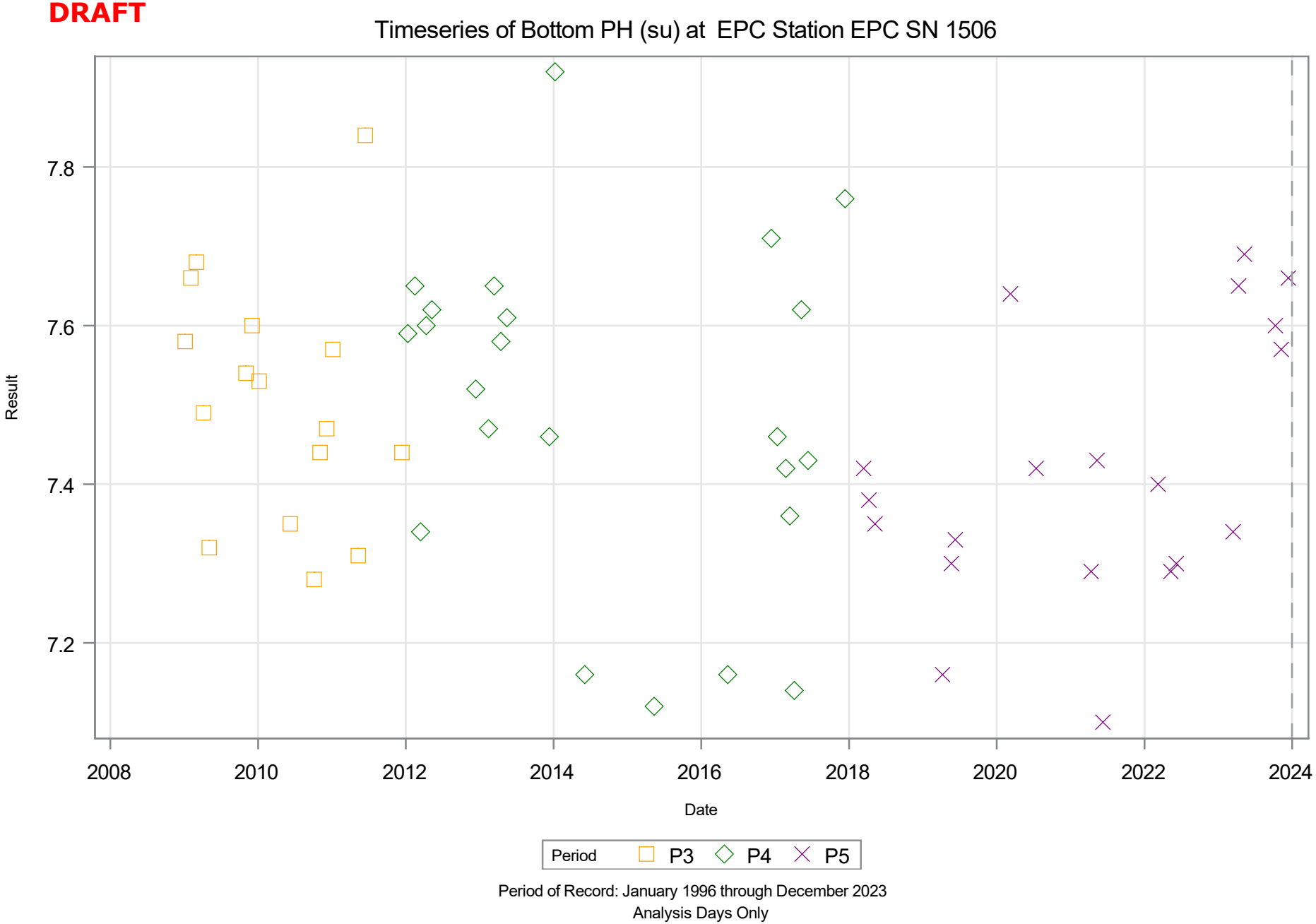
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.34	7.54	7.70	7.76	7.83	7.95
P4	23	7.44	7.59	7.73	7.64	7.81	8.26
P5	20	7.16	7.51	7.63	7.62	7.82	8.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

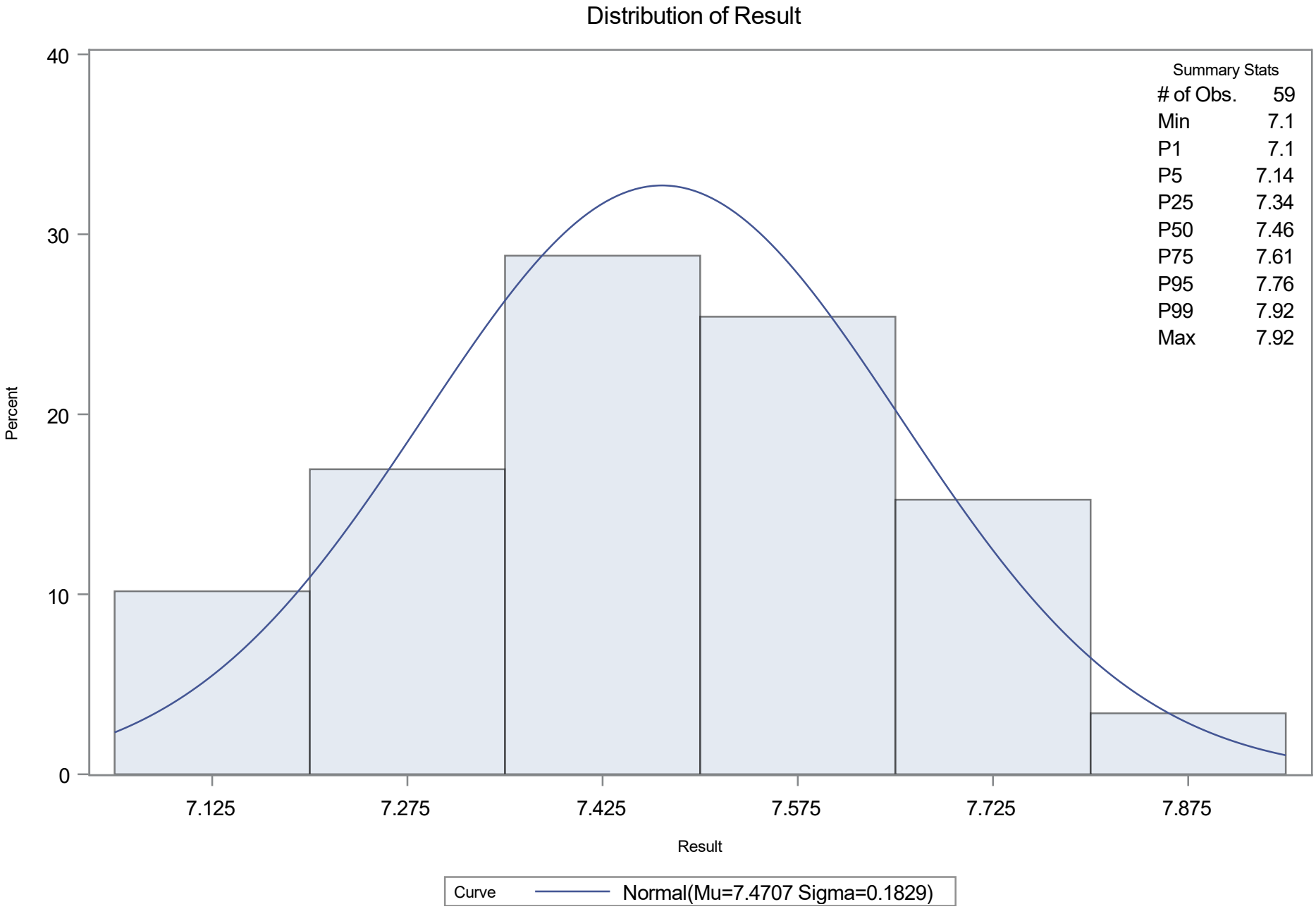

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1505
Result
8.25
8.00
7.75
7.50
7.25
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1506
Result
7.8
7.6
7.4
7.2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.470678
Std Dev	Sigma	0.182916

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09626337	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06170616	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41432388	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.10000	7.04515
5.0	7.14000	7.16981
10.0	7.16000	7.23626
25.0	7.34000	7.34730
50.0	7.46000	7.47068
75.0	7.61000	7.59405
90.0	7.68000	7.70509
95.0	7.76000	7.77155
99.0	7.92000	7.89620

Period of Record: January 1996 through December 2023
Analysis Days Only

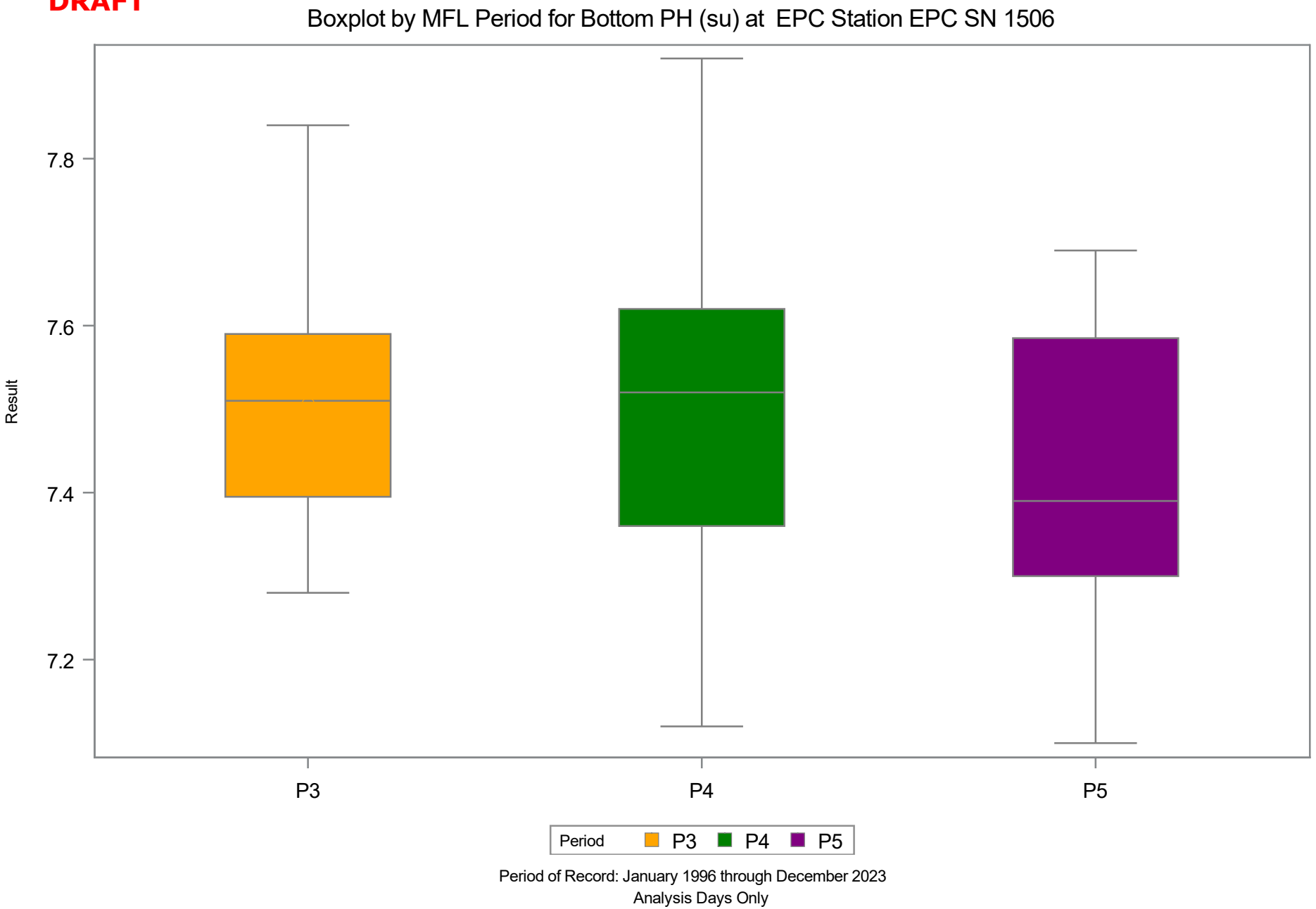
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1506

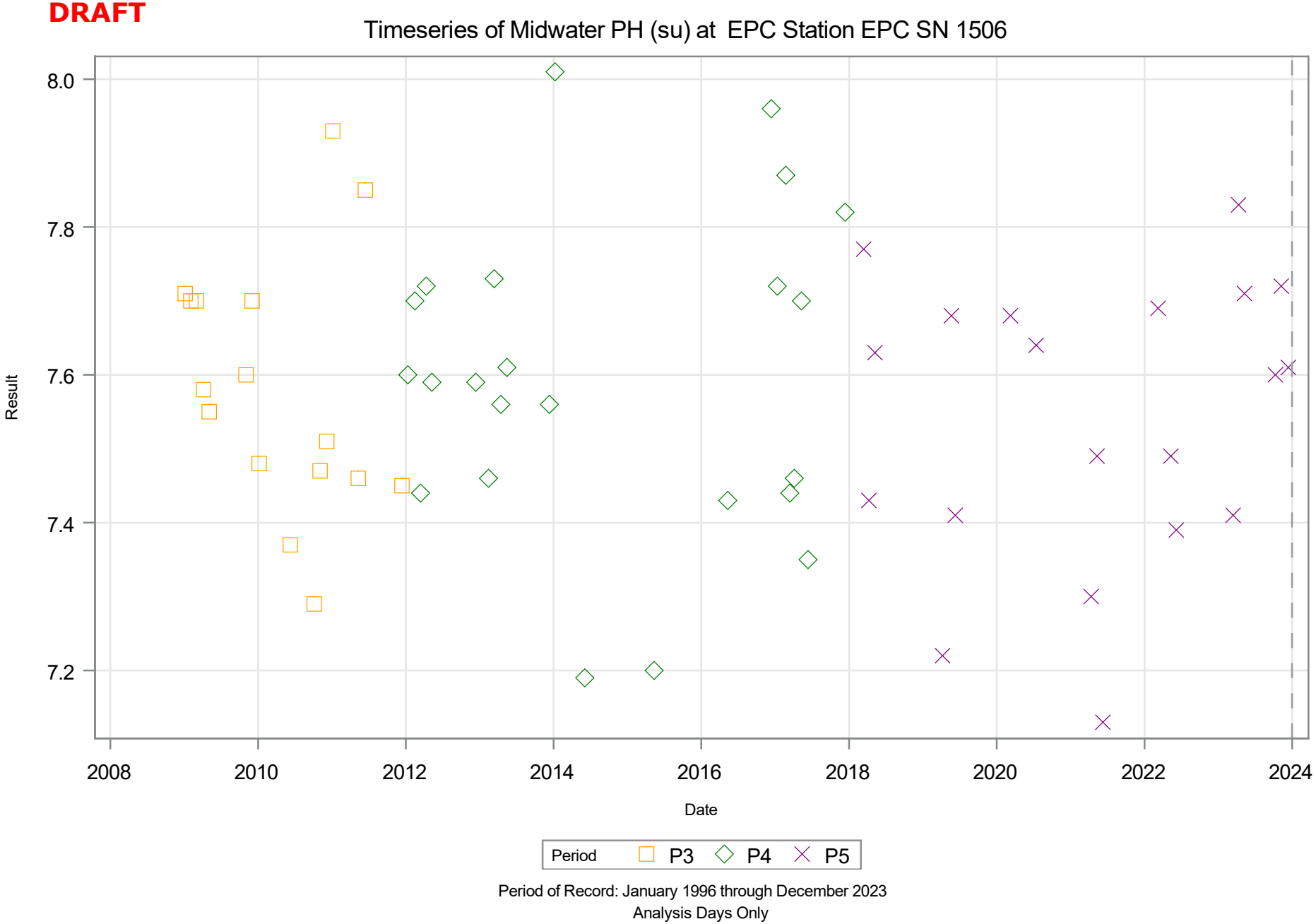
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.28	7.40	7.51	7.51	7.59	7.84
P4	23	7.12	7.36	7.49	7.52	7.62	7.92
P5	20	7.10	7.30	7.42	7.39	7.59	7.69

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1506
Result
7.8
7.6
7.4
7.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

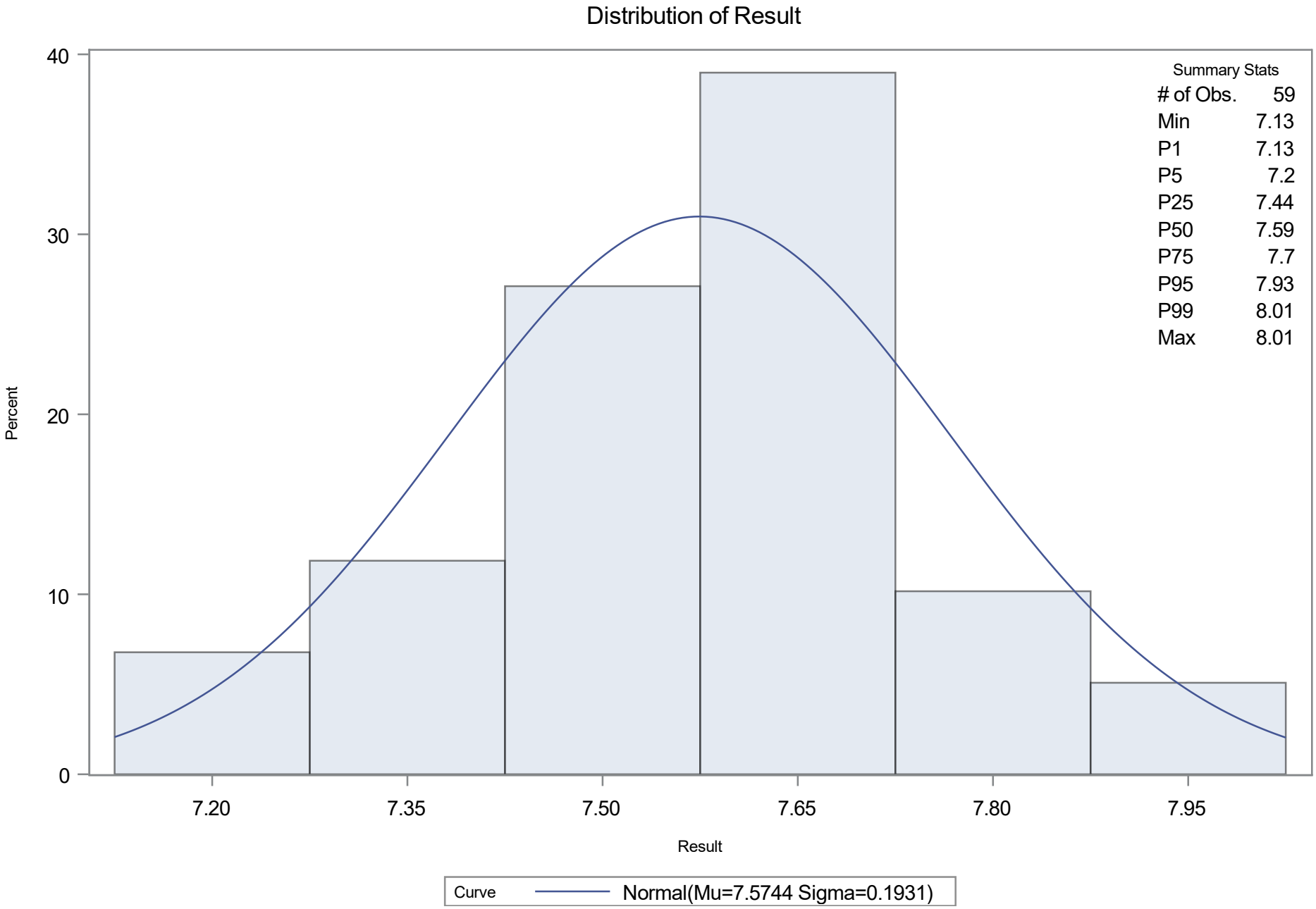
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.574407
Std Dev	Sigma	0.193108

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08062670	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05685643	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33152253	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.13000	7.12517
5.0	7.20000	7.25677
10.0	7.30000	7.32693
25.0	7.44000	7.44416
50.0	7.59000	7.57441
75.0	7.70000	7.70466
90.0	7.83000	7.82188
95.0	7.93000	7.89204
99.0	8.01000	8.02364

Period of Record: January 1996 through December 2023
Analysis Days Only

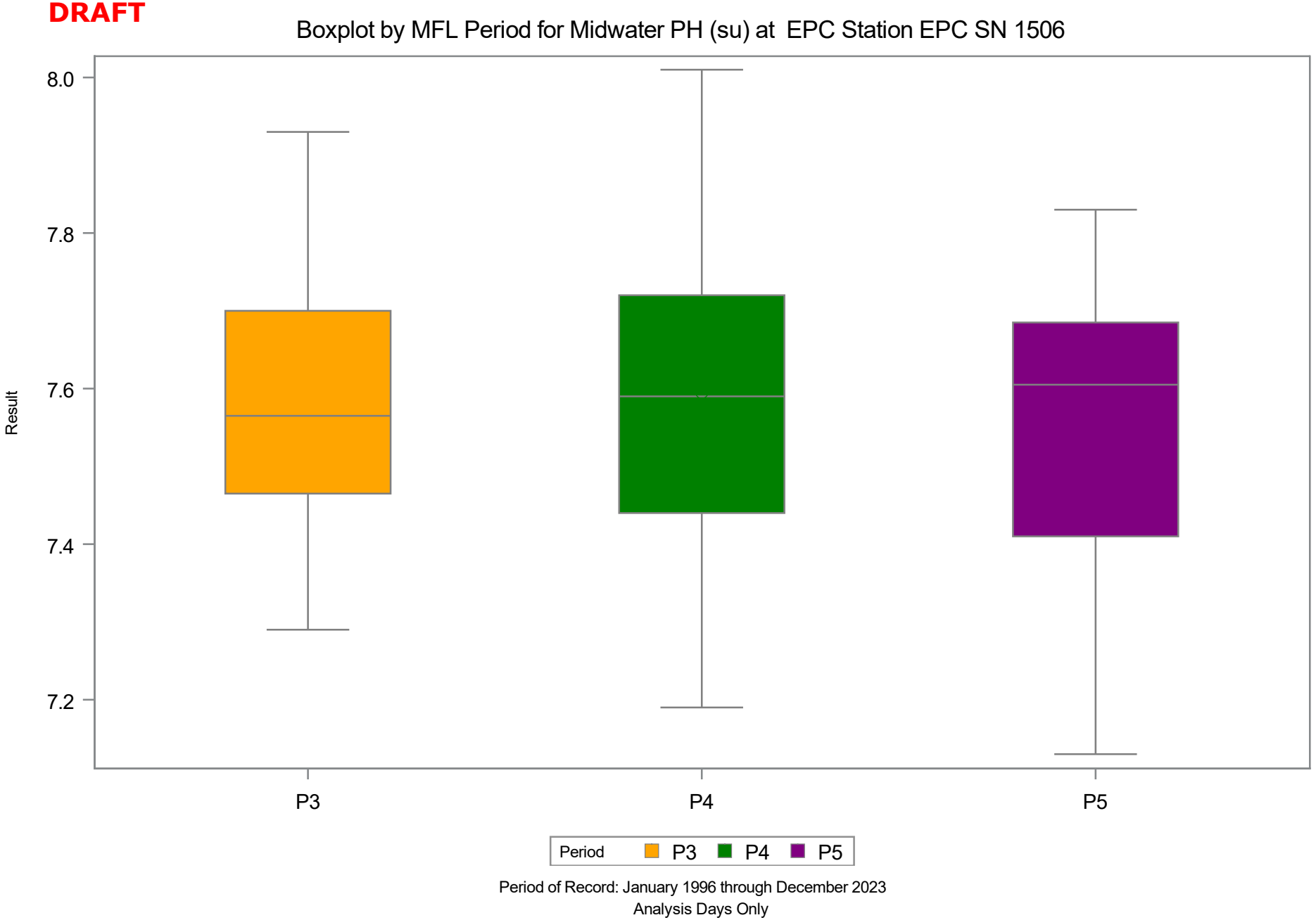
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1506

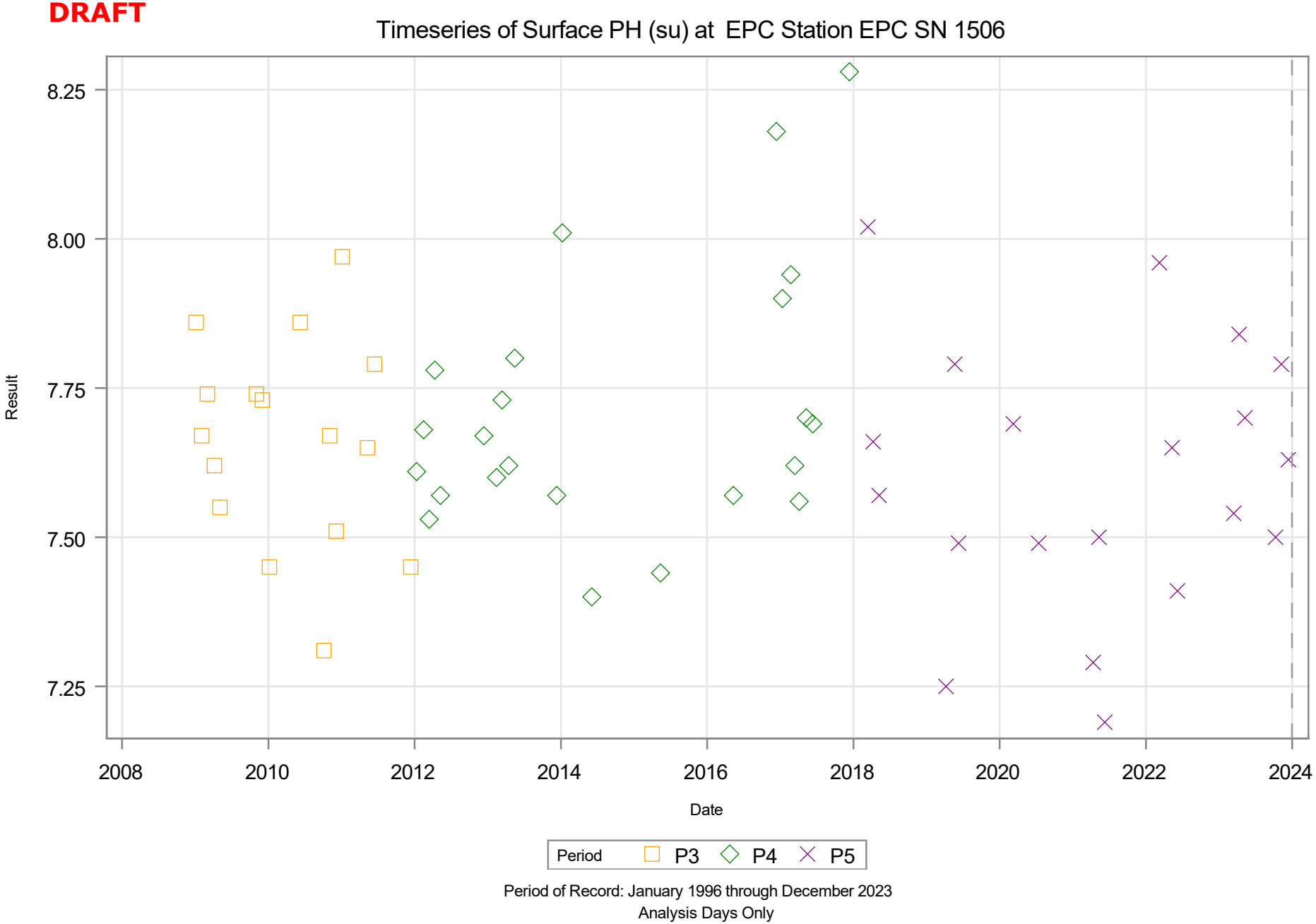
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.29	7.47	7.58	7.57	7.70	7.93
P4	23	7.19	7.44	7.60	7.59	7.72	8.01
P5	20	7.13	7.41	7.54	7.61	7.69	7.83

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

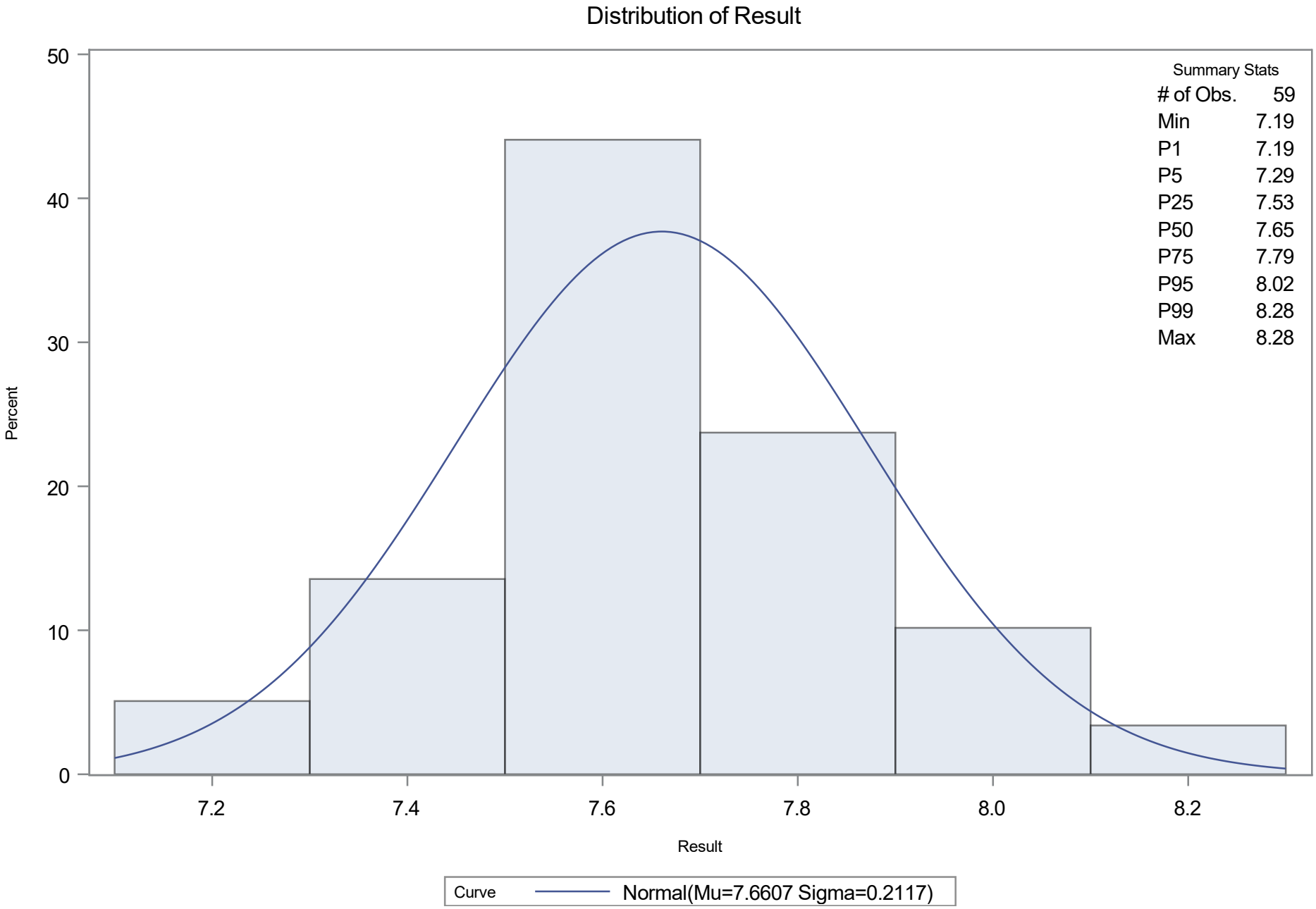

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1506
Result
8.0
7.8
7.6
7.4
7.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 1506
Result
8.25
8.00
7.75
7.50
7.25
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.660678
Std Dev	Sigma	0.211675

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08733115	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06489534	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38560945	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.19000	7.16825
5.0	7.29000	7.31250
10.0	7.41000	7.38941
25.0	7.53000	7.51791
50.0	7.65000	7.66068
75.0	7.79000	7.80345
90.0	7.96000	7.93195
95.0	8.02000	8.00885
99.0	8.28000	8.15311

Period of Record: January 1996 through December 2023
Analysis Days Only

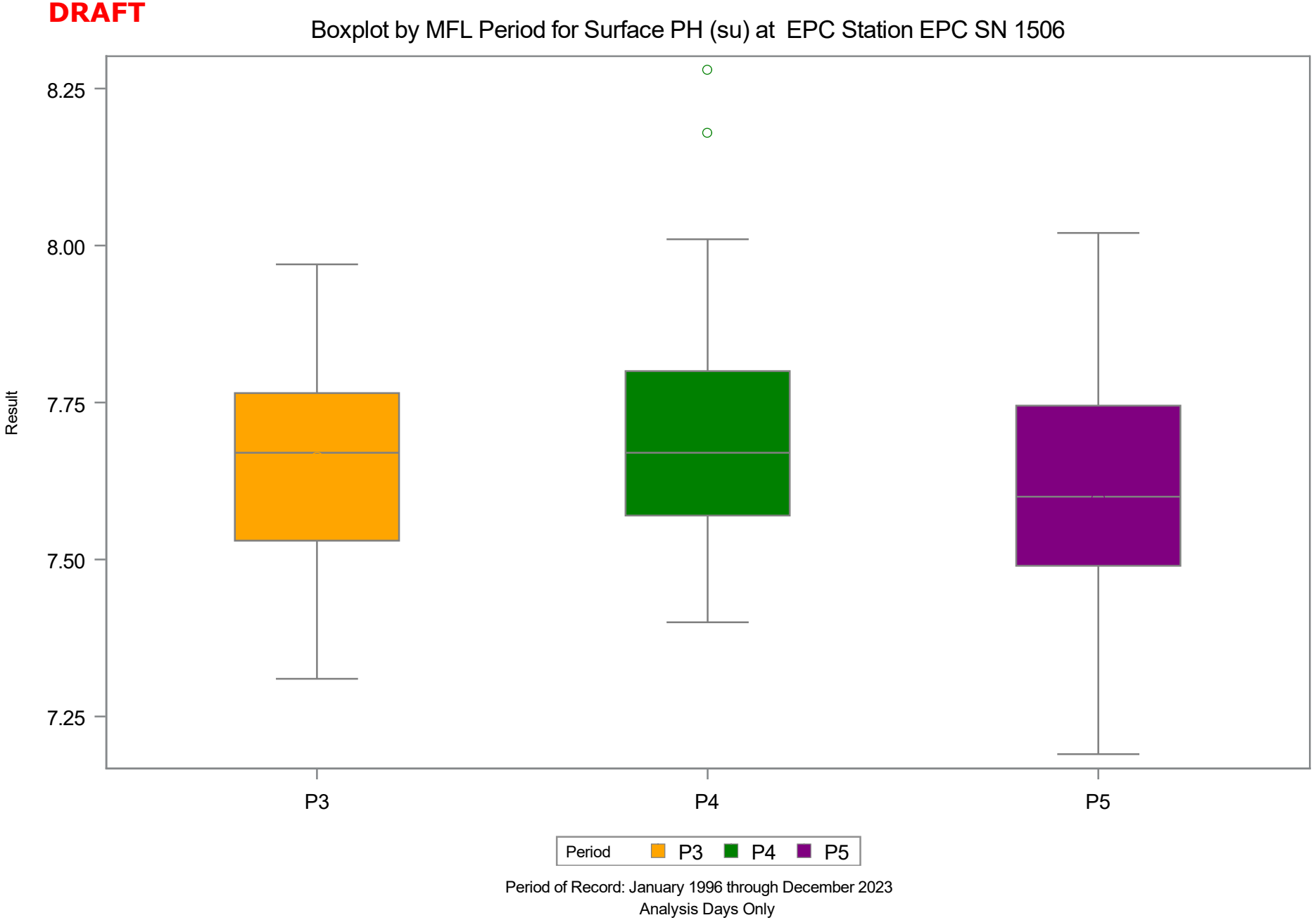
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1506

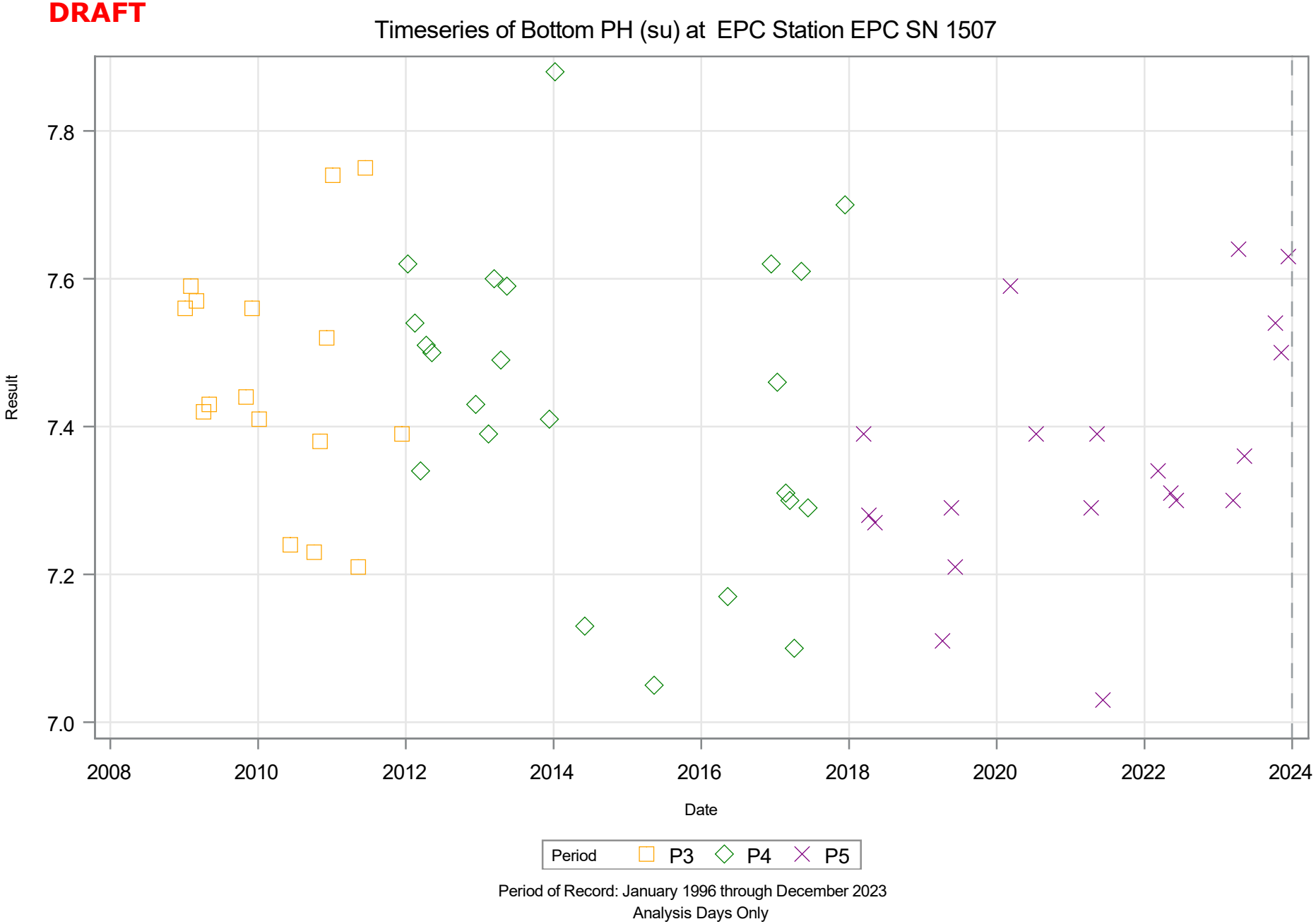
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.31	7.53	7.66	7.67	7.77	7.97
P4	23	7.40	7.57	7.72	7.67	7.80	8.28
P5	20	7.19	7.49	7.60	7.60	7.75	8.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

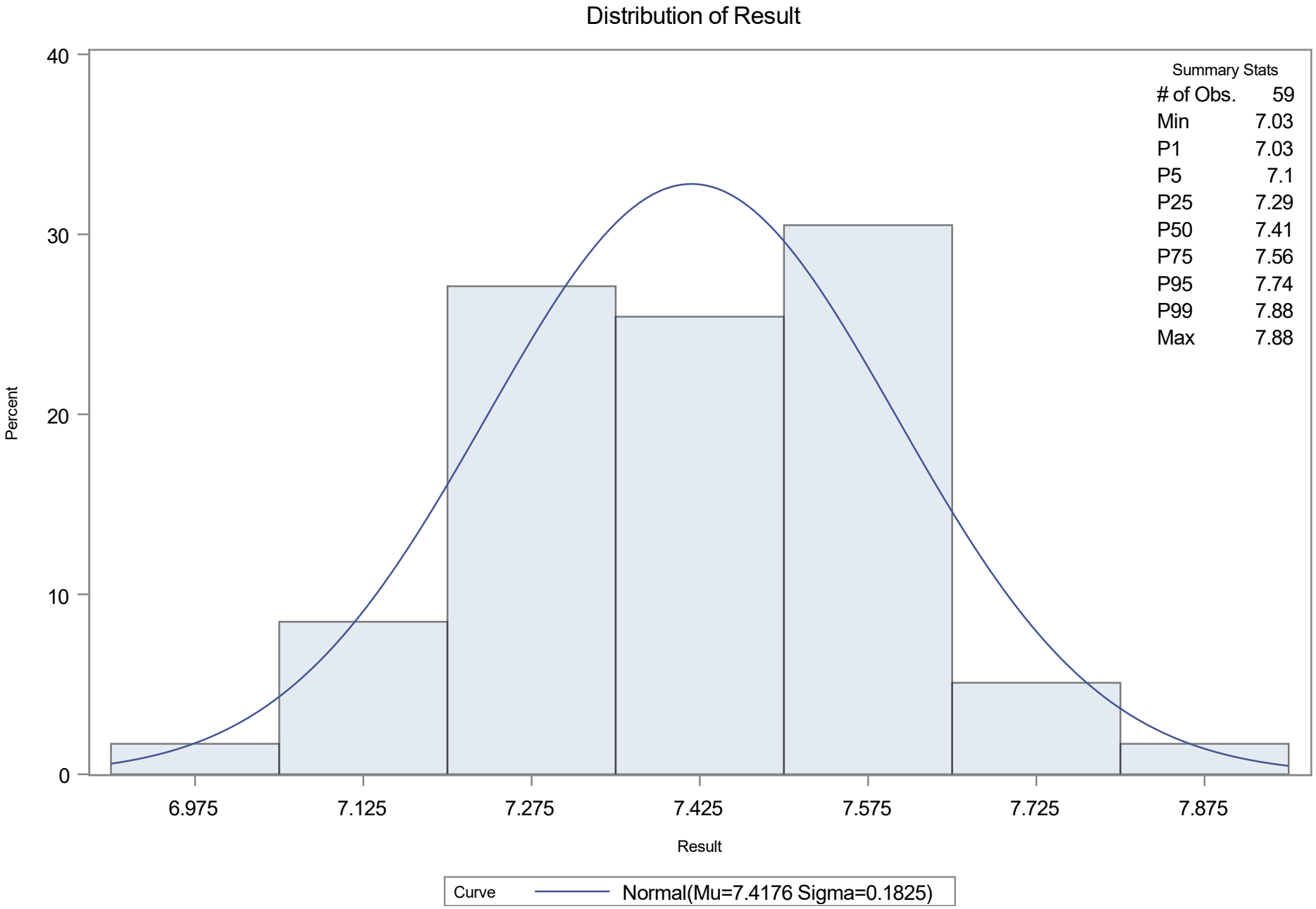

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1506
Result
8.25
8.00
7.75
7.50
7.25
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1507
Result
7.8
7.6
7.4
7.2
7.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.417627
Std Dev	Sigma	0.182458

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06134557	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03771070	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22843676	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.03000	6.99317
5.0	7.10000	7.11751
10.0	7.17000	7.18380
25.0	7.29000	7.29456
50.0	7.41000	7.41763
75.0	7.56000	7.54069
90.0	7.63000	7.65146
95.0	7.74000	7.71774
99.0	7.88000	7.84209

Period of Record: January 1996 through December 2023
Analysis Days Only

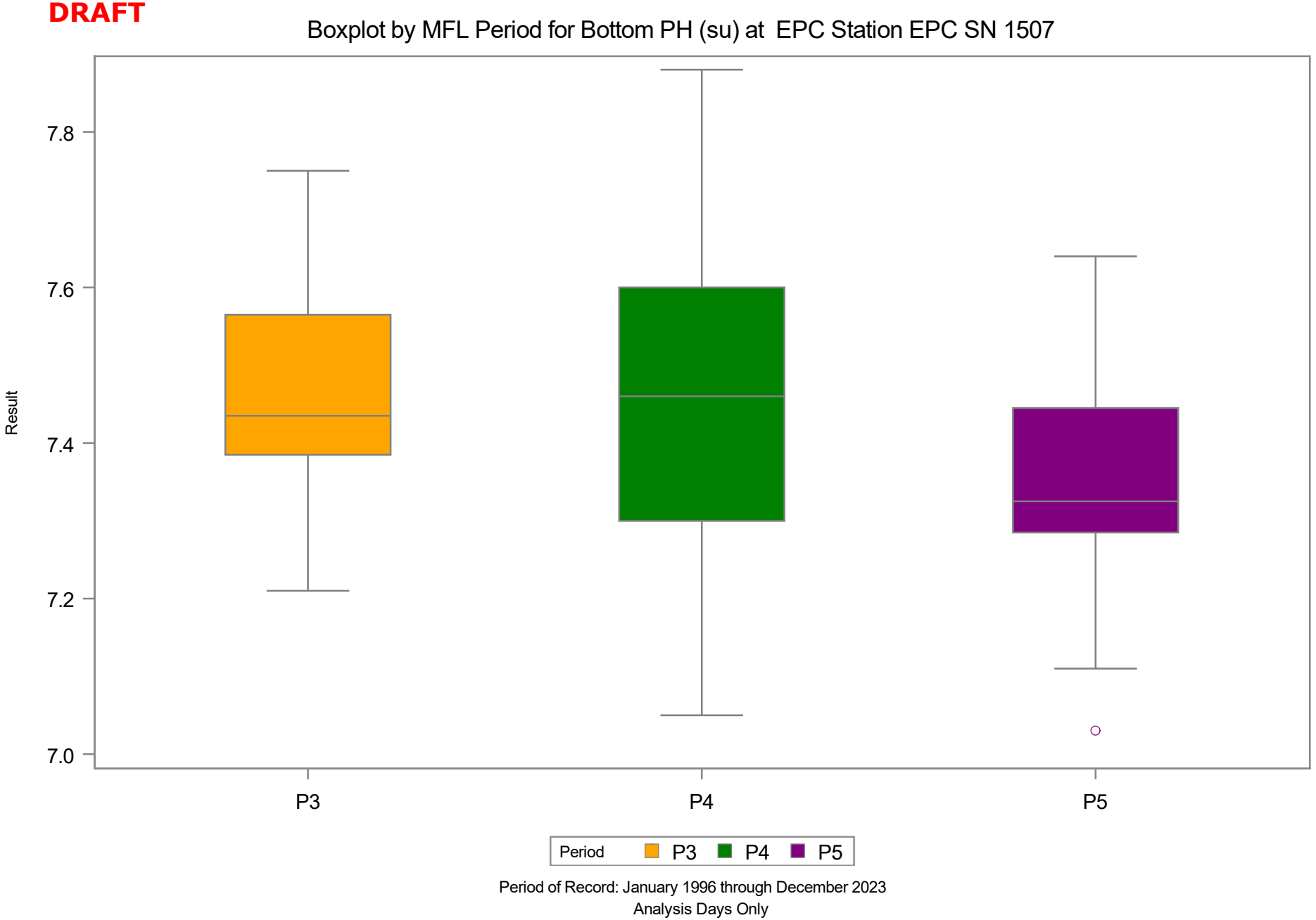
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1507

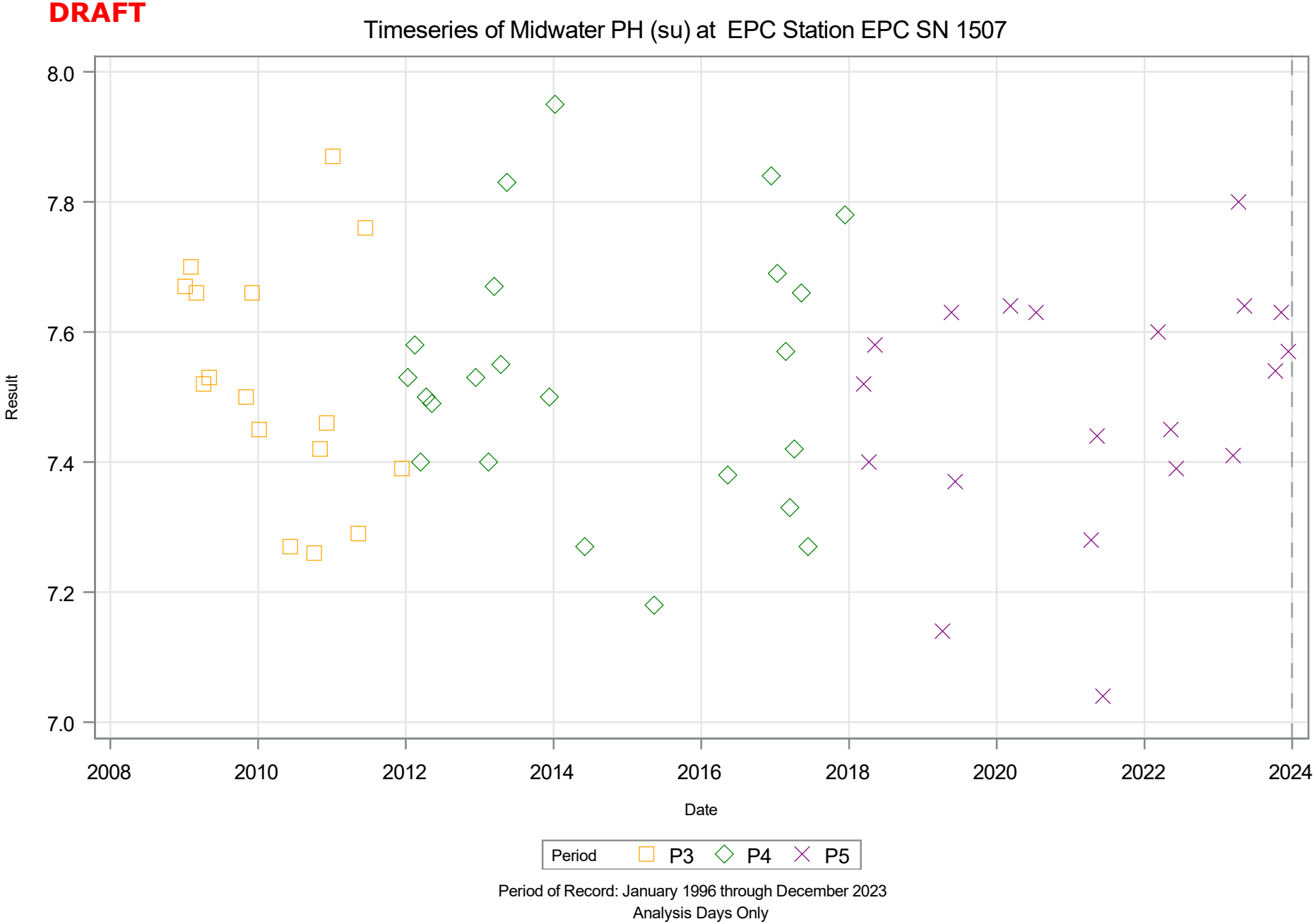
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.21	7.39	7.47	7.44	7.57	7.75
P4	23	7.05	7.30	7.44	7.46	7.60	7.88
P5	20	7.03	7.29	7.36	7.33	7.45	7.64

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1507
Result
7.8
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

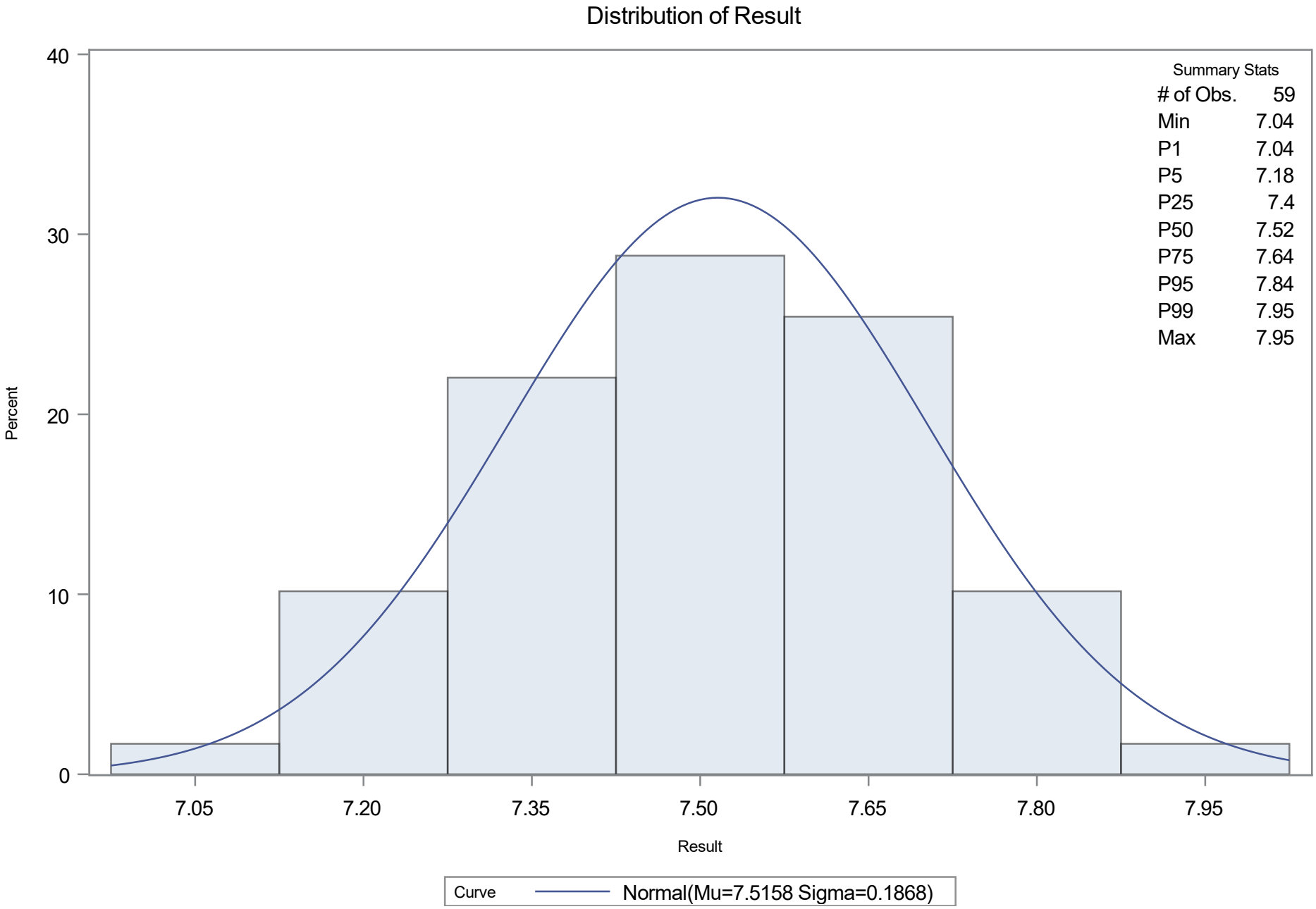
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.515763
Std Dev	Sigma	0.186808

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05196016	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02522035	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.17407789	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.04000	7.08118
5.0	7.18000	7.20849
10.0	7.27000	7.27636
25.0	7.40000	7.38976
50.0	7.52000	7.51576
75.0	7.64000	7.64176
90.0	7.78000	7.75517
95.0	7.84000	7.82303
99.0	7.95000	7.95034

Period of Record: January 1996 through December 2023
Analysis Days Only

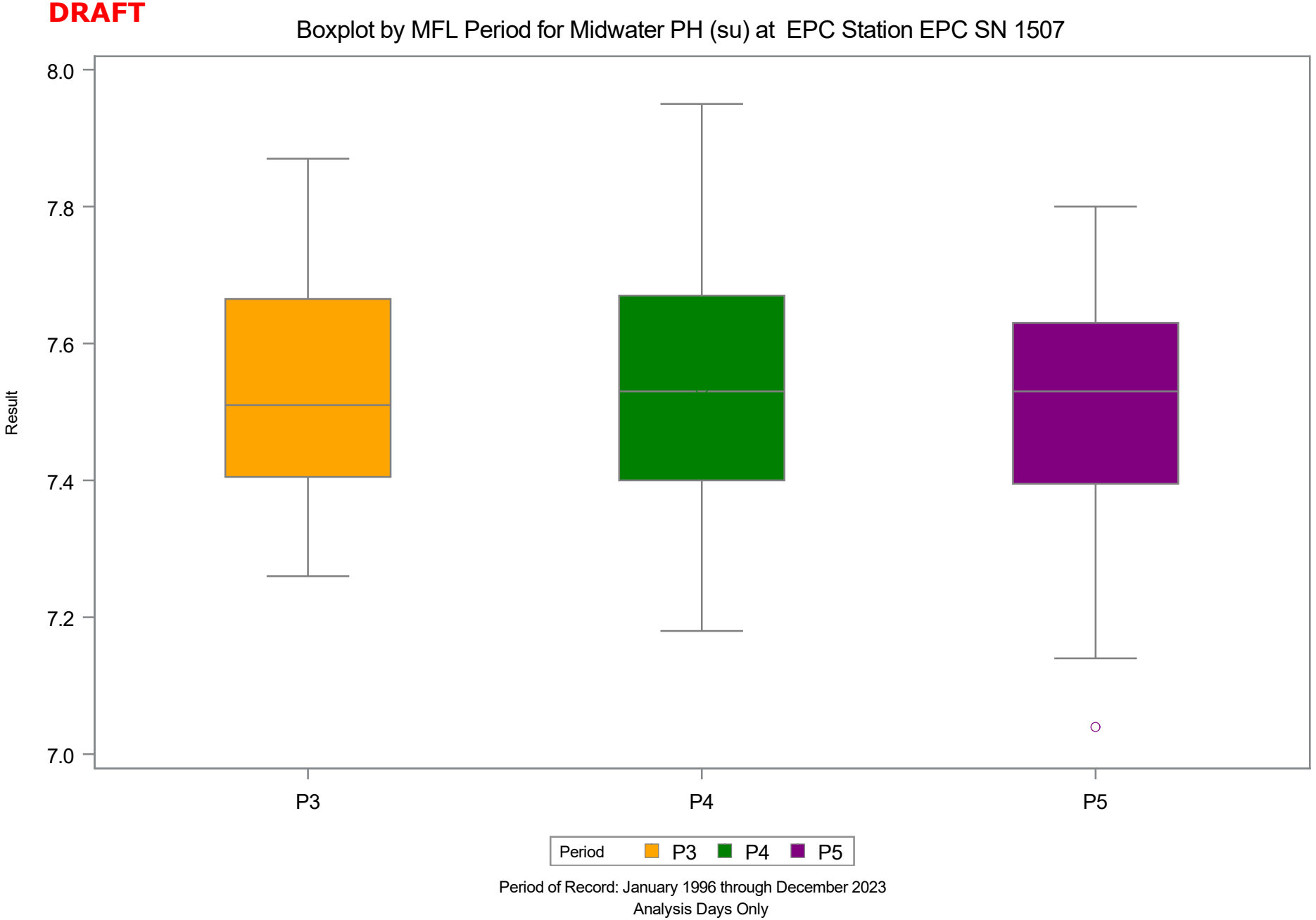
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.26	7.41	7.53	7.51	7.67	7.87
P4	23	7.18	7.40	7.54	7.53	7.67	7.95
P5	20	7.04	7.40	7.49	7.53	7.63	7.80

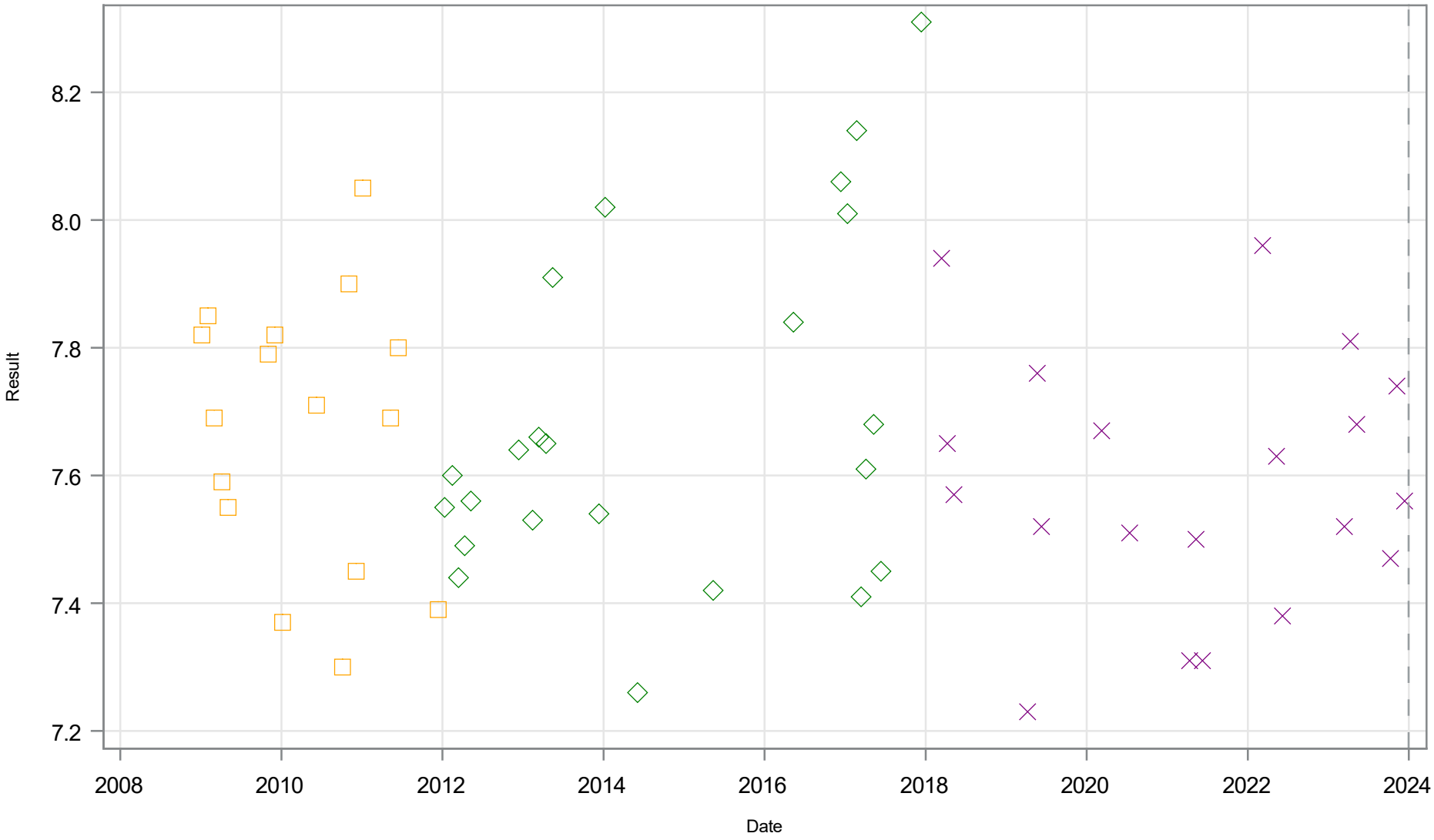
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1507
Result
8.0
7.8
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

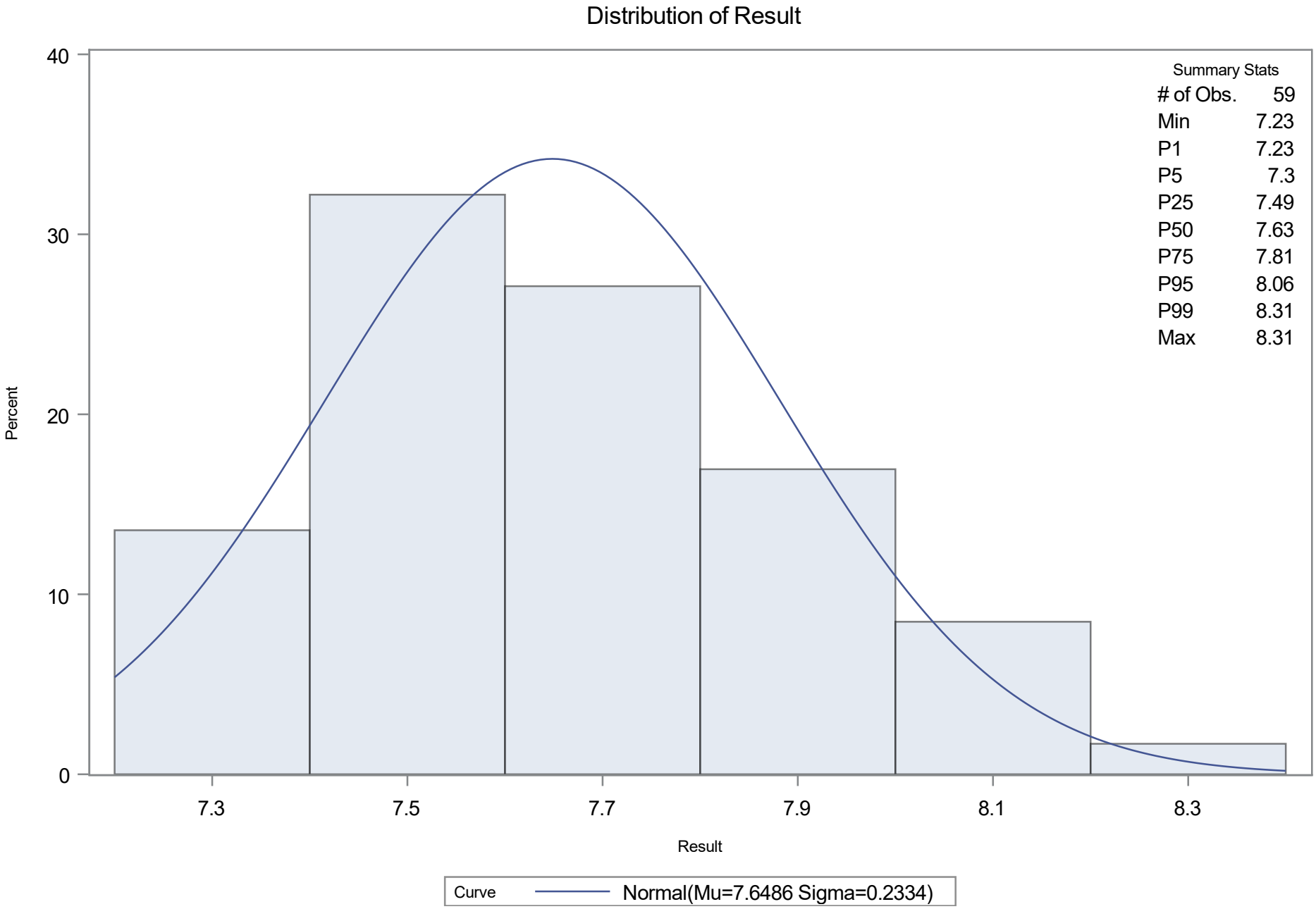
Timeseries of Surface PH (su) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.648644
Std Dev	Sigma	0.233352

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09068266	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06446054	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38207690	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.23000	7.10579
5.0	7.30000	7.26481
10.0	7.37000	7.34959
25.0	7.49000	7.49125
50.0	7.63000	7.64864
75.0	7.81000	7.80604
90.0	8.01000	7.94770
95.0	8.06000	8.03247
99.0	8.31000	8.19150

Period of Record: January 1996 through December 2023
Analysis Days Only

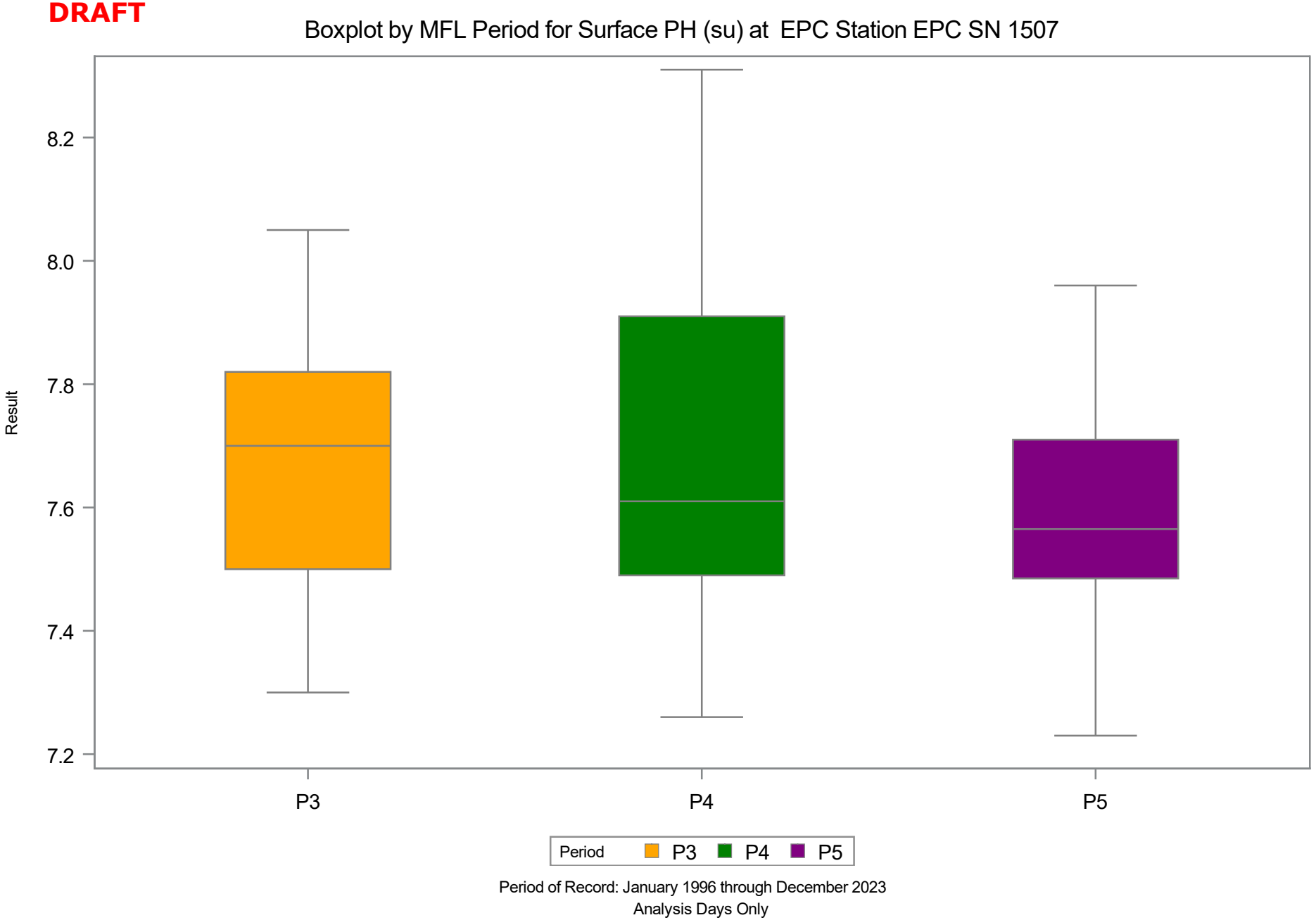
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1507

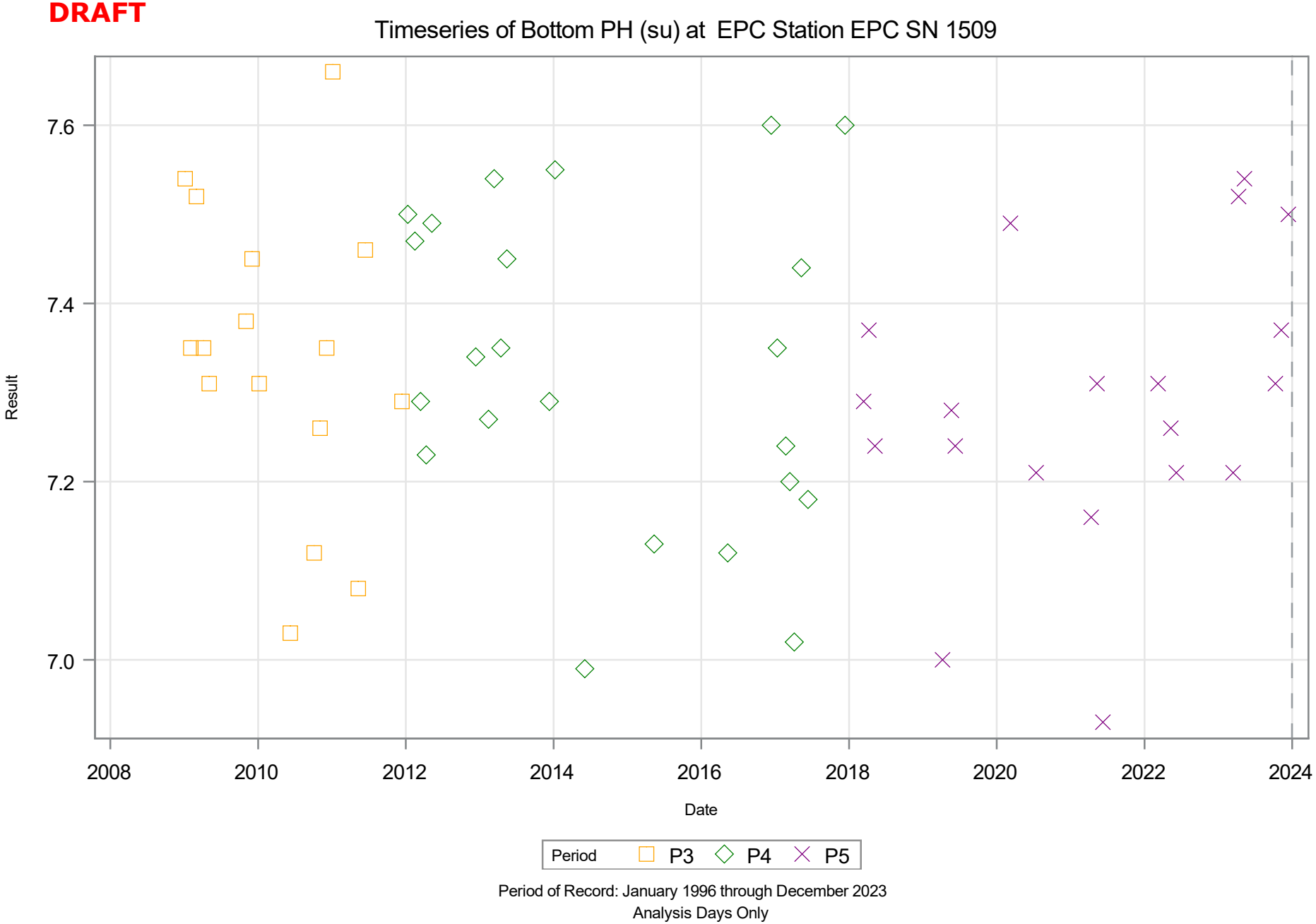
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.30	7.50	7.67	7.70	7.82	8.05
P4	23	7.26	7.49	7.69	7.61	7.91	8.31
P5	20	7.23	7.49	7.59	7.57	7.71	7.96

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

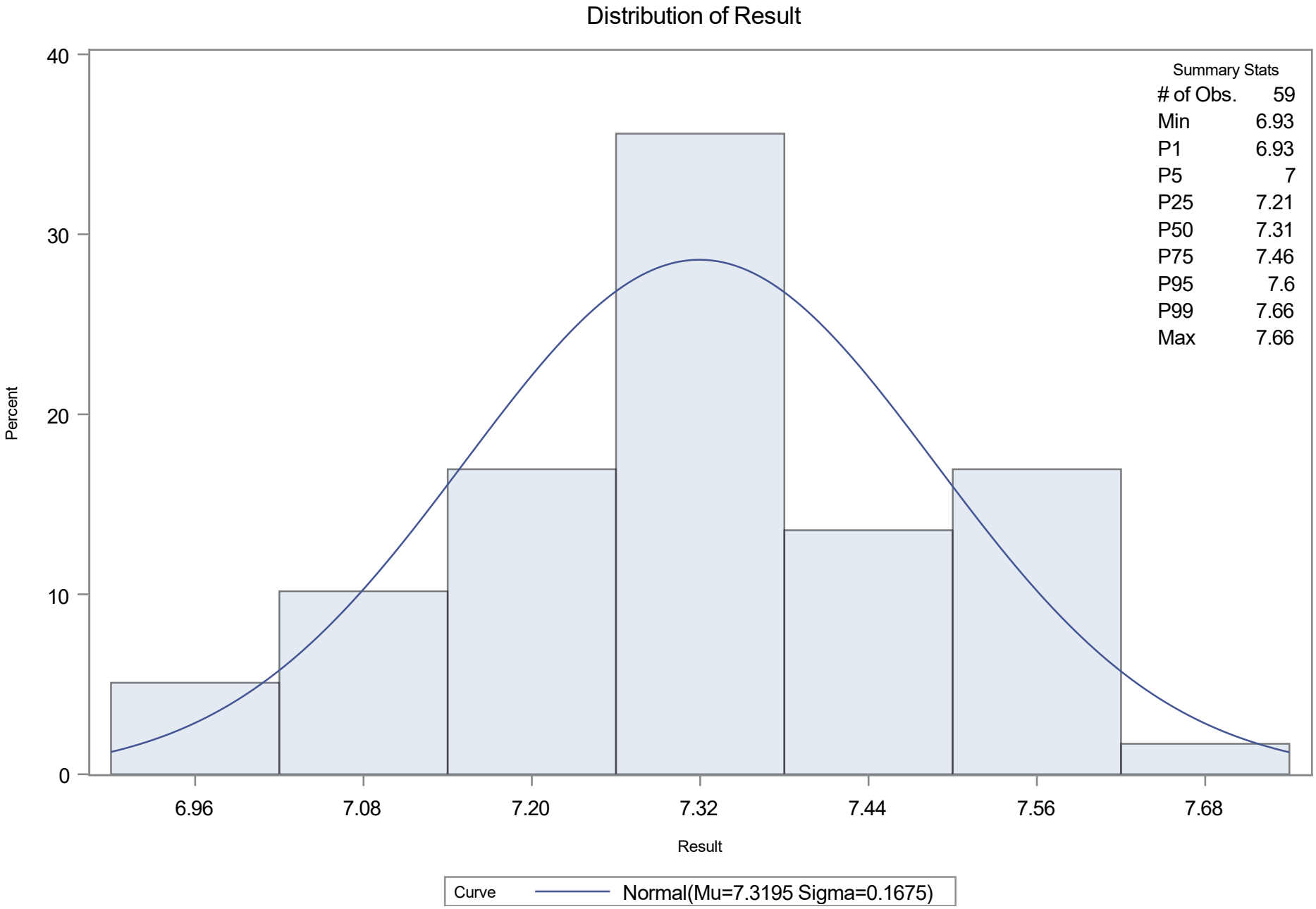

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1507
Result
8.2
8.0
7.8
7.6
7.4
7.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1509
Result
7.6
7.4
7.2
7.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.319492
Std Dev	Sigma	0.16747

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07179148	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05768881	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37821536	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.93000	6.92990
5.0	7.00000	7.04403
10.0	7.08000	7.10487
25.0	7.21000	7.20653
50.0	7.31000	7.31949
75.0	7.46000	7.43245
90.0	7.54000	7.53411
95.0	7.60000	7.59496
99.0	7.66000	7.70909

Period of Record: January 1996 through December 2023
Analysis Days Only

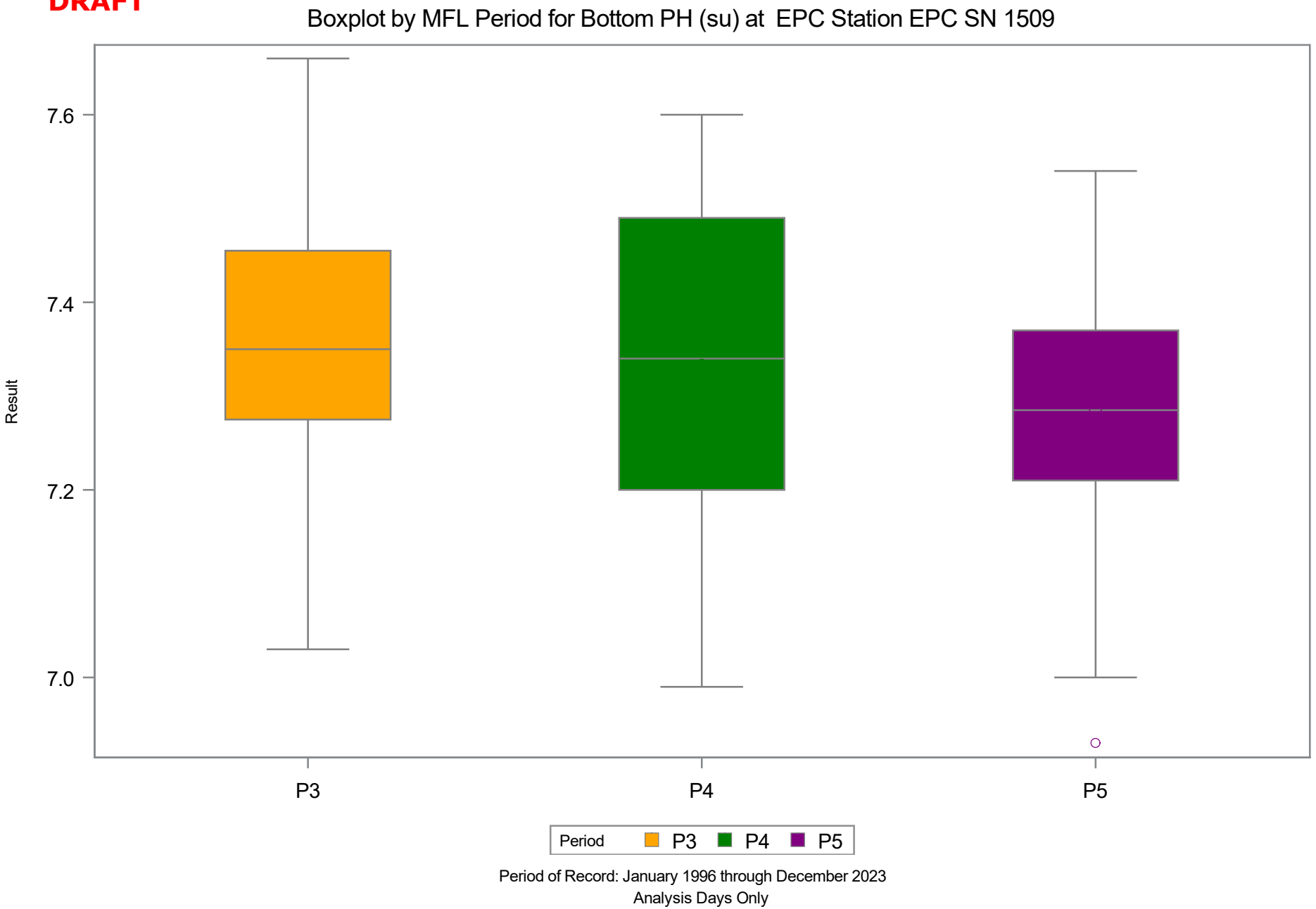
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1509

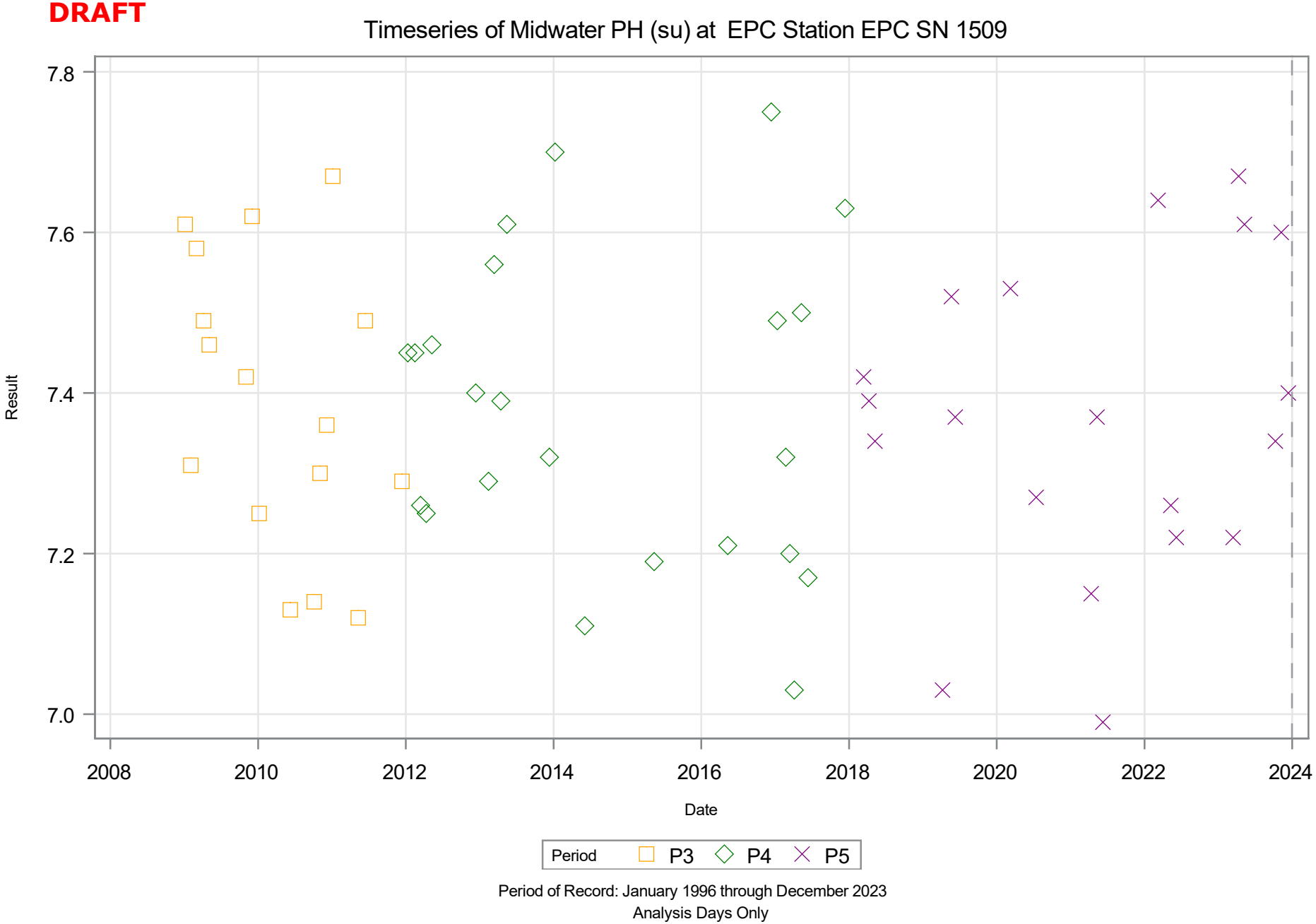
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.03	7.28	7.34	7.35	7.46	7.66
P4	23	6.99	7.20	7.33	7.34	7.49	7.60
P5	20	6.93	7.21	7.29	7.29	7.37	7.54

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1509
Result
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

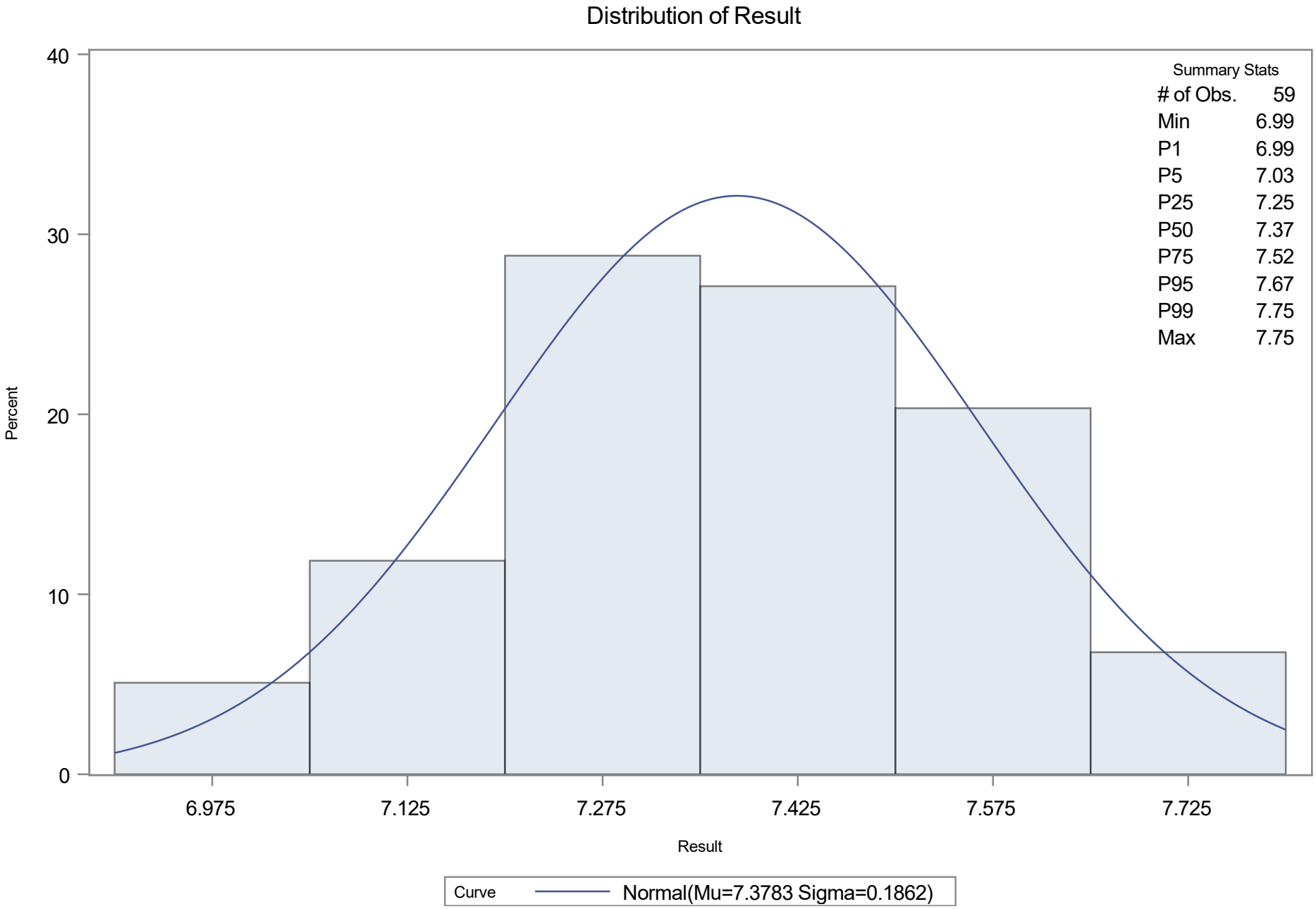
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.378305
Std Dev	Sigma	0.186188

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06955566	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03268722	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25592593	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.99000	6.94517
5.0	7.03000	7.07205
10.0	7.13000	7.13970
25.0	7.25000	7.25272
50.0	7.37000	7.37831
75.0	7.52000	7.50389
90.0	7.63000	7.61691
95.0	7.67000	7.68456
99.0	7.75000	7.81144

Period of Record: January 1996 through December 2023
Analysis Days Only

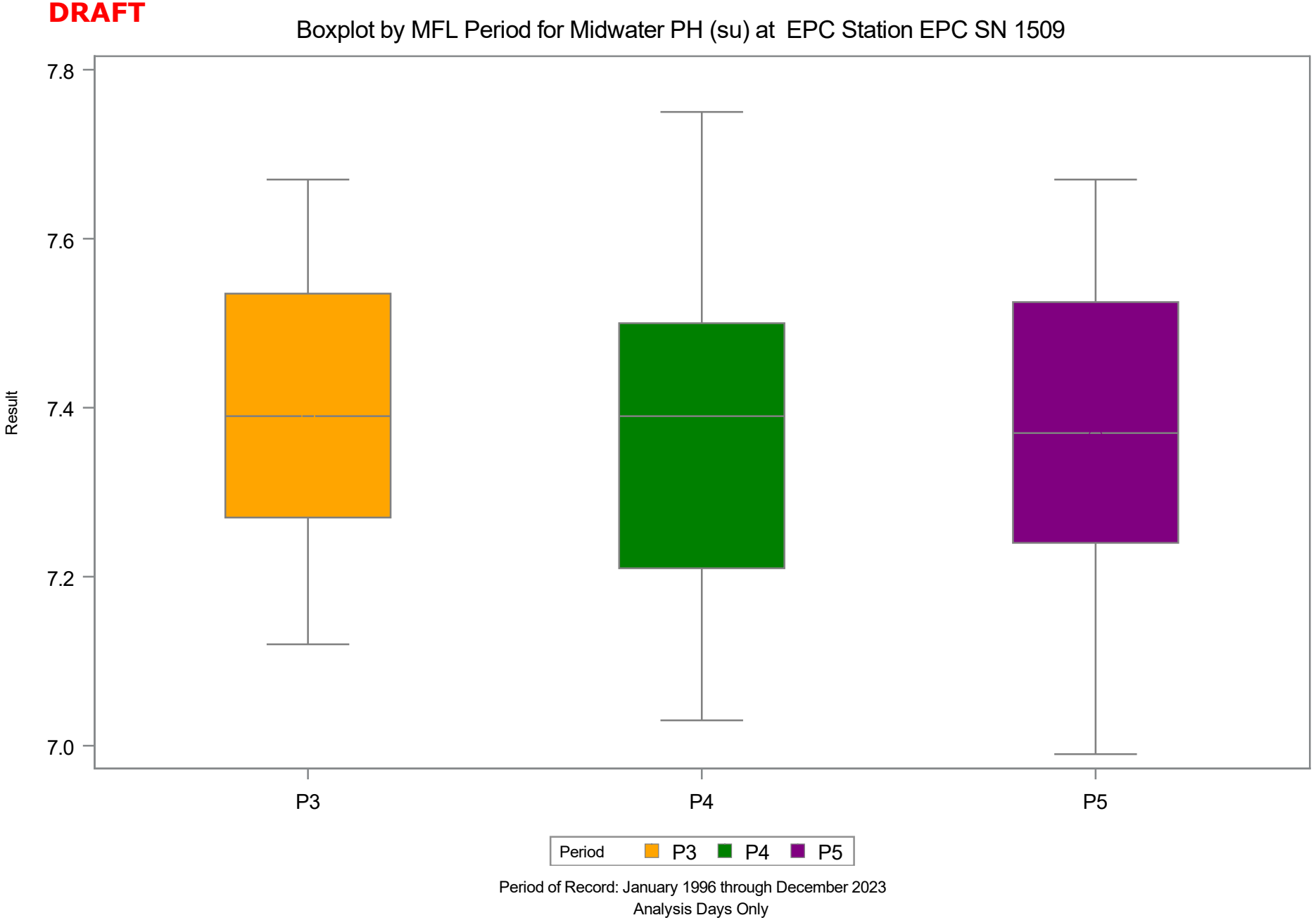
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1509

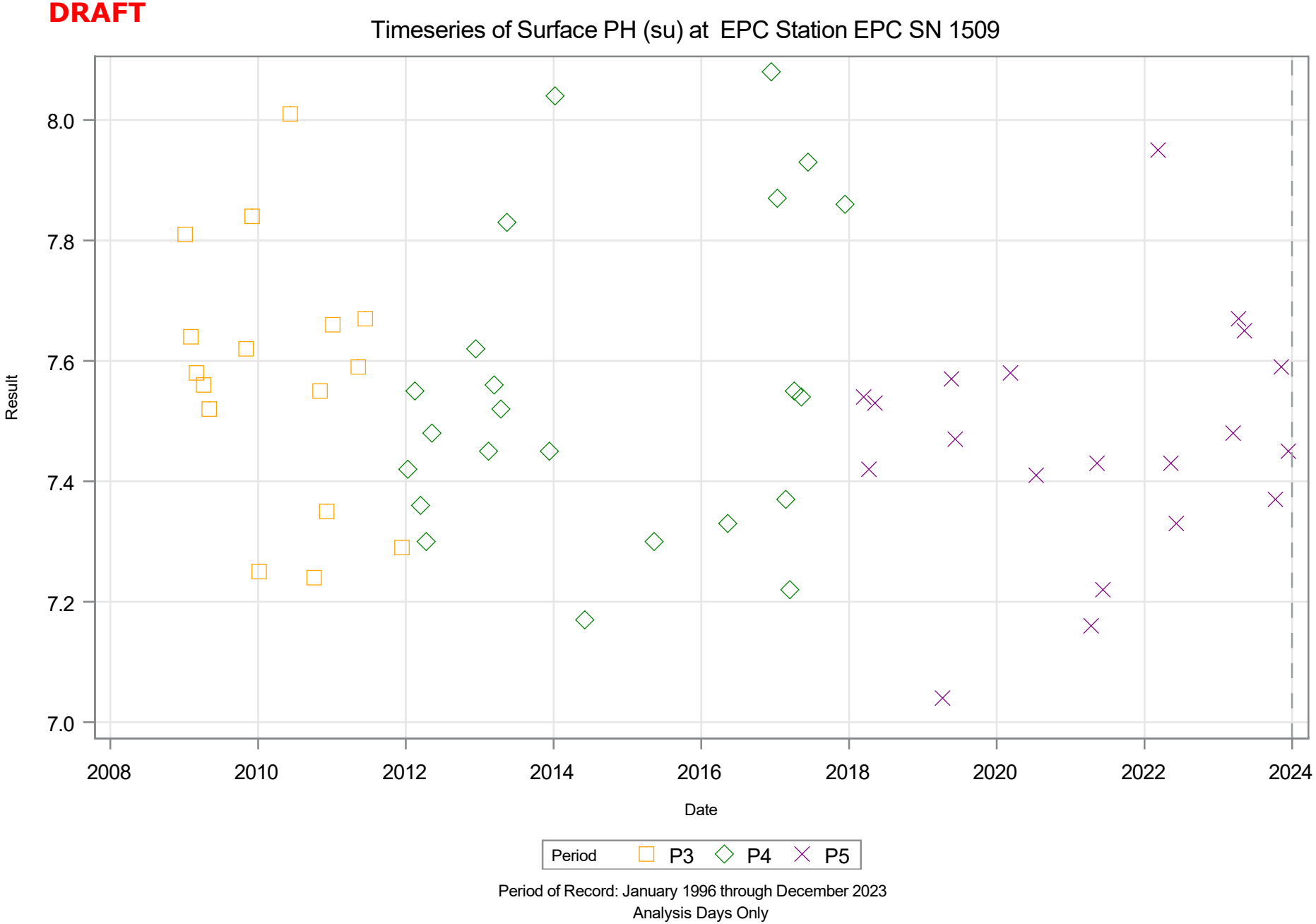
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.12	7.27	7.39	7.39	7.54	7.67
P4	23	7.03	7.21	7.38	7.39	7.50	7.75
P5	20	6.99	7.24	7.37	7.37	7.53	7.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1509
Result
7.8
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

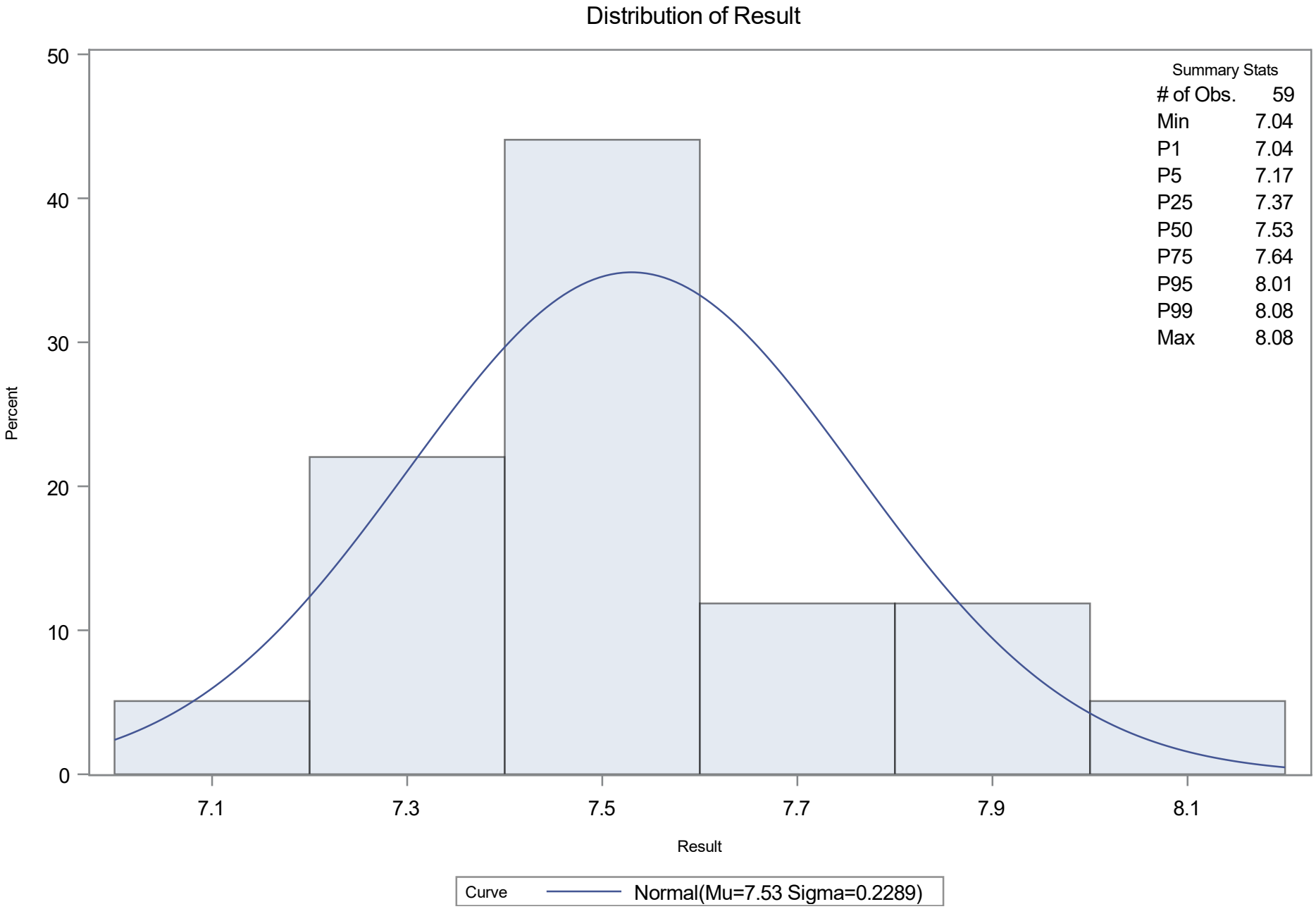
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.53
Std Dev	Sigma	0.228865

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10846230	**Pr > D**	0.084
Cramer-von Mises	**W-Sq**	0.10532787	**Pr > W-Sq**	0.095
Anderson-Darling	**A-Sq**	0.64844166	**Pr > A-Sq**	0.089

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.04000	6.99758
5.0	7.17000	7.15355
10.0	7.24000	7.23670
25.0	7.37000	7.37563
50.0	7.53000	7.53000
75.0	7.64000	7.68437
90.0	7.87000	7.82330
95.0	8.01000	7.90645
99.0	8.08000	8.06242

Period of Record: January 1996 through December 2023
Analysis Days Only

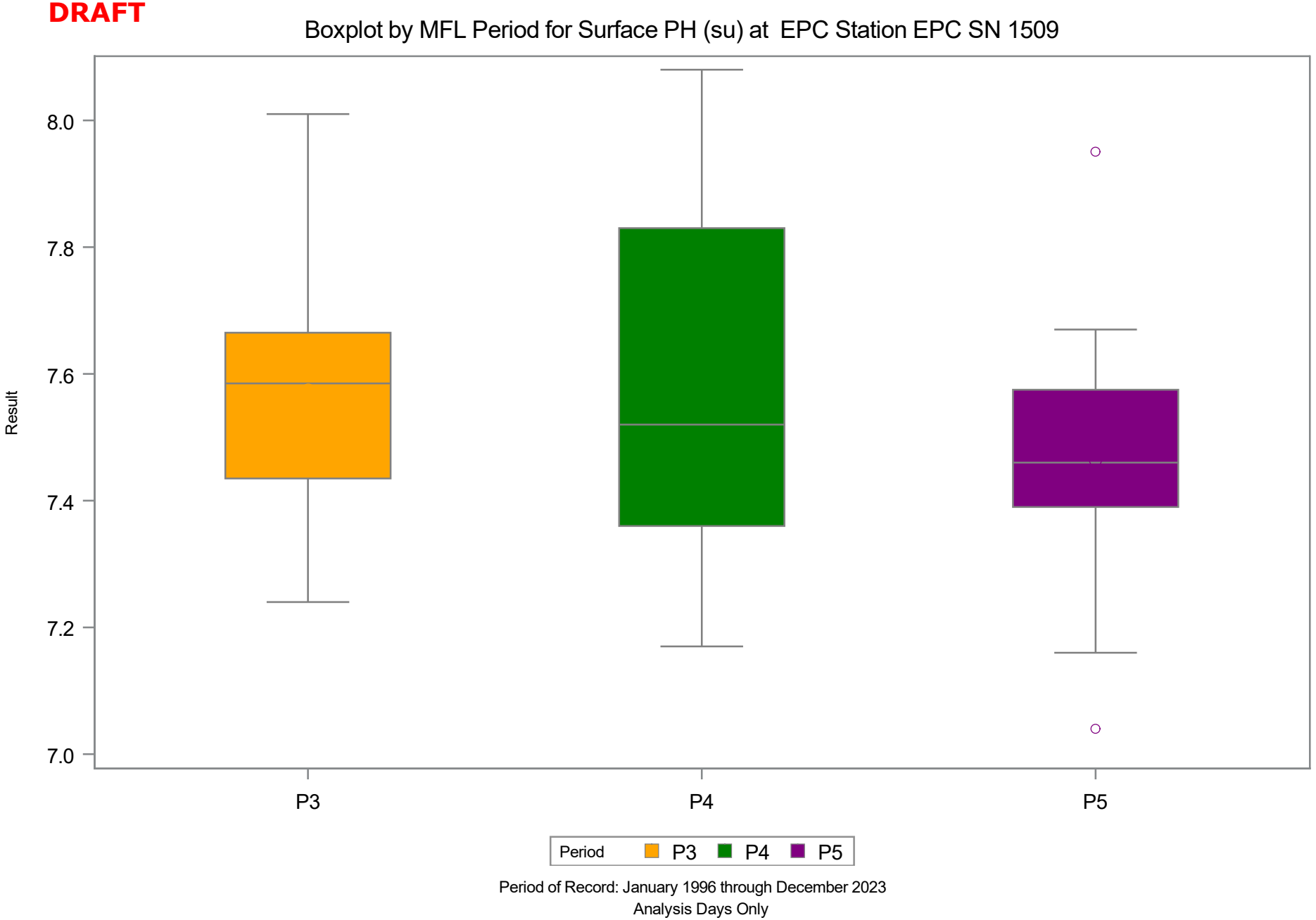
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1509

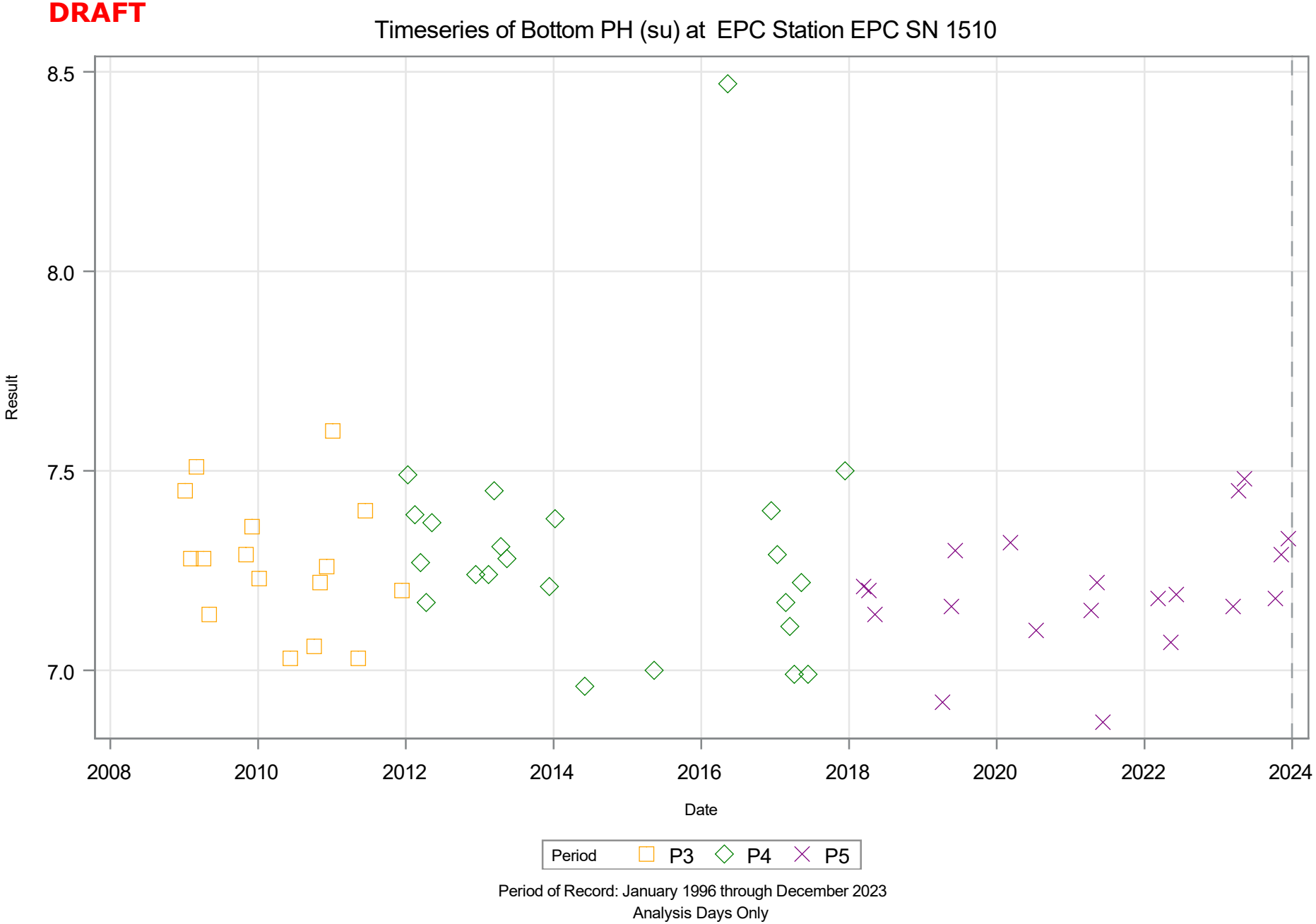
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.24	7.44	7.57	7.59	7.67	8.01
P4	23	7.17	7.36	7.56	7.52	7.83	8.08
P5	20	7.04	7.39	7.46	7.46	7.58	7.95

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

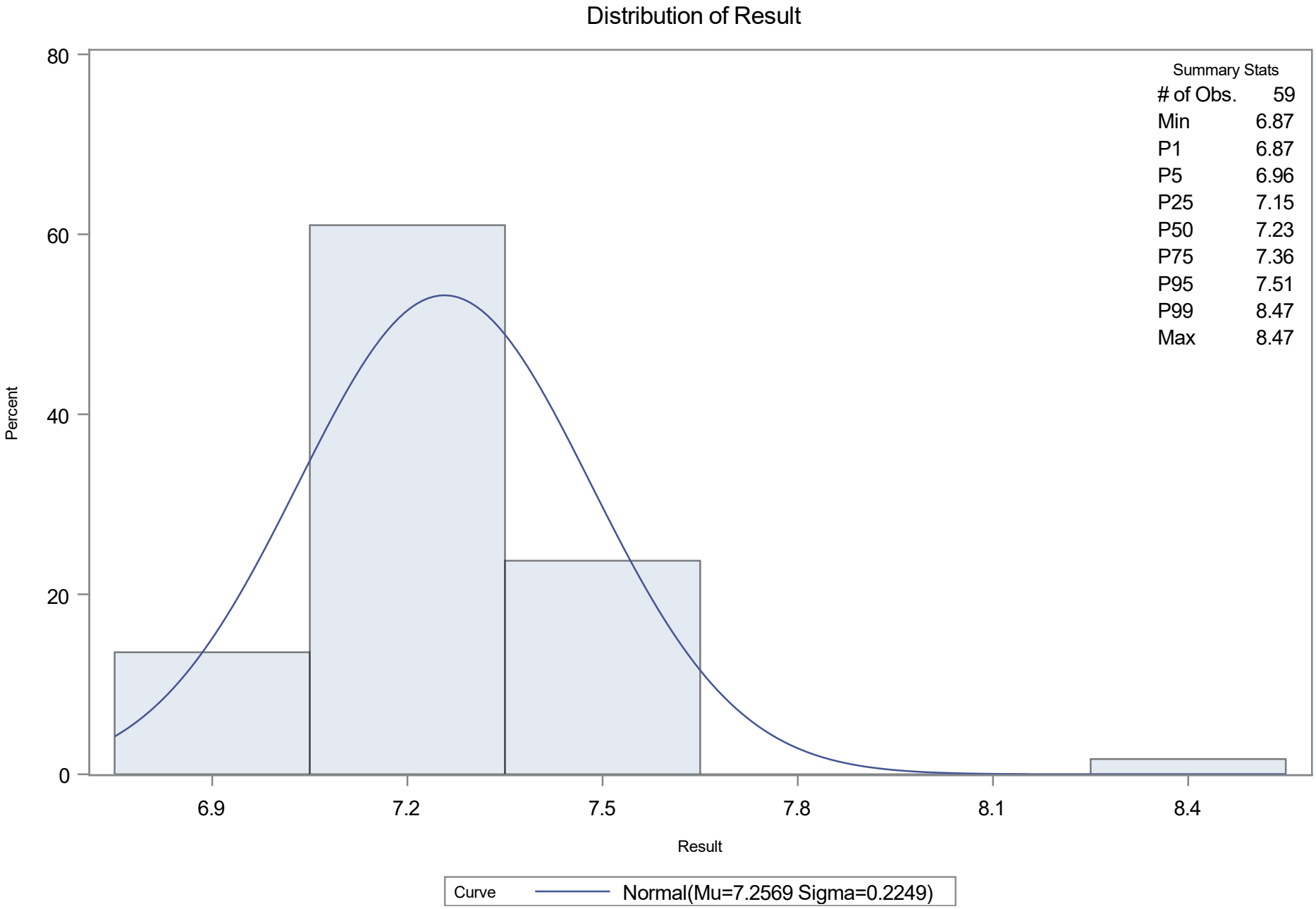

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1509
Result
8.0
7.8
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1510
8.5
8.0
7.5
7.0
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.256949
Std Dev	Sigma	0.224862

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11953891	**Pr > D**	0.035
Cramer-von Mises	**W-Sq**	0.24742199	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.69432858	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.87000	6.73384
5.0	6.96000	6.88708
10.0	7.00000	6.96878
25.0	7.15000	7.10528
50.0	7.23000	7.25695
75.0	7.36000	7.40862
90.0	7.48000	7.54512
95.0	7.51000	7.62681
99.0	8.47000	7.78006

Period of Record: January 1996 through December 2023
Analysis Days Only

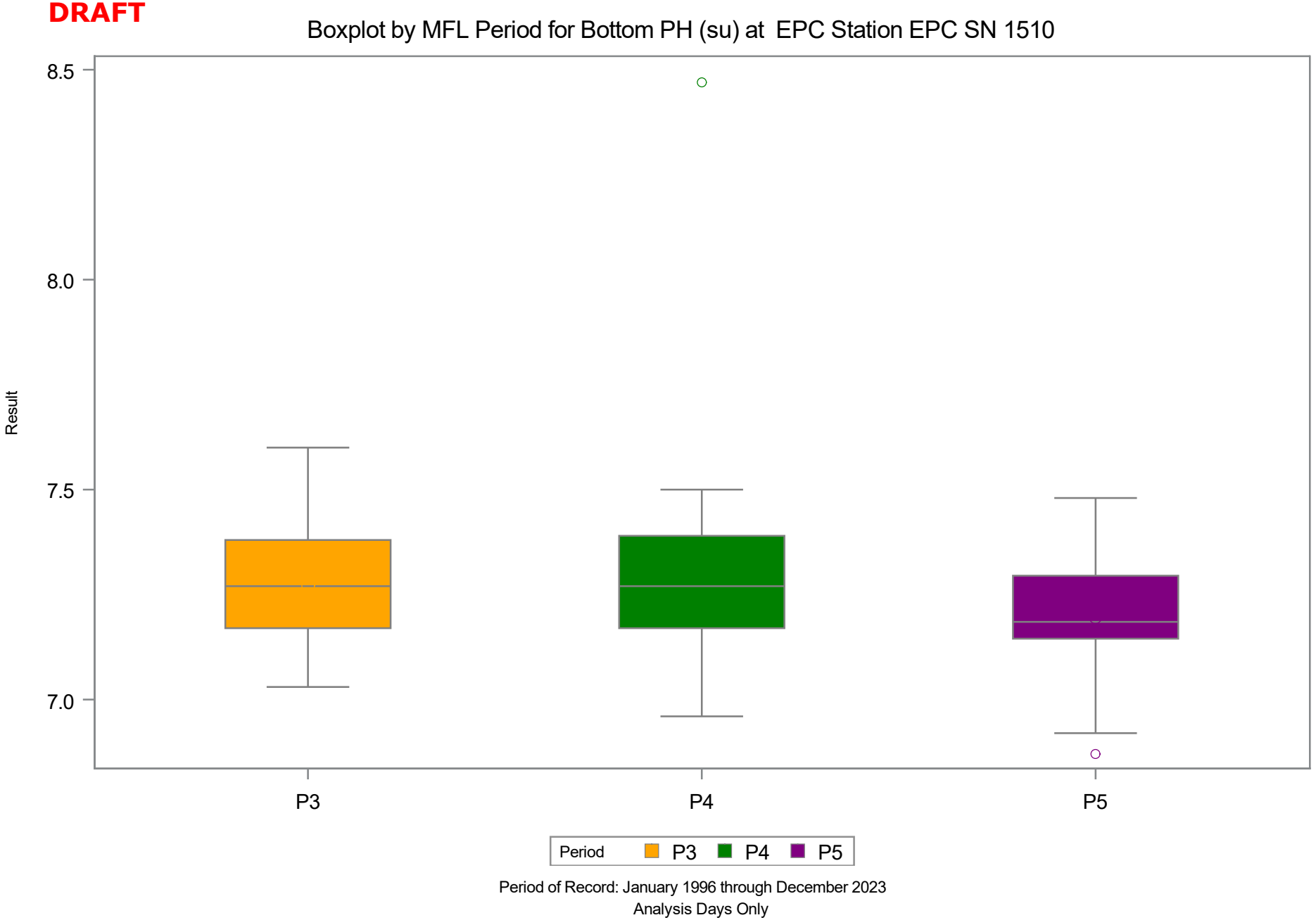
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1510

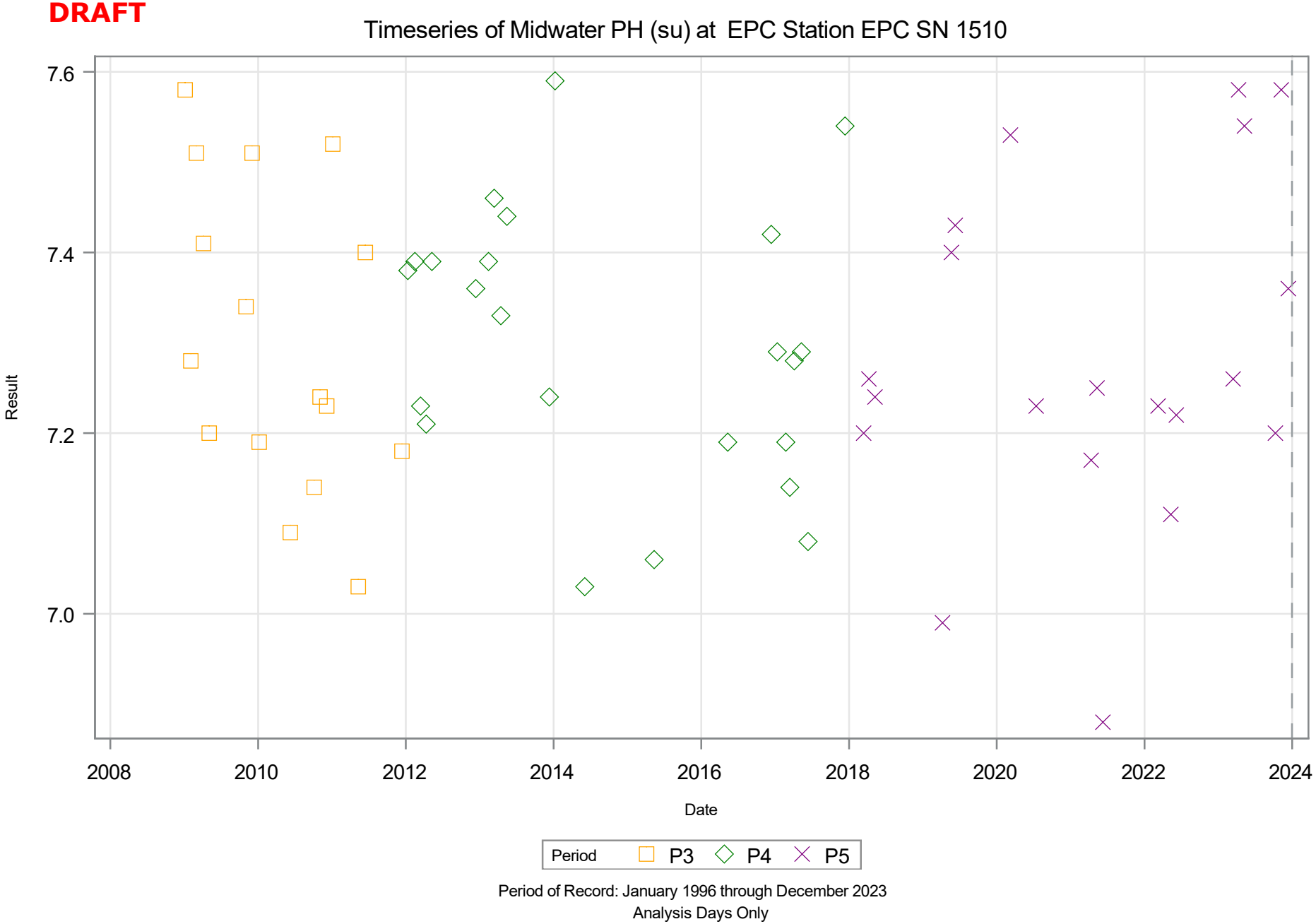
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.03	7.17	7.27	7.27	7.38	7.60
P4	23	6.96	7.17	7.30	7.27	7.39	8.47
P5	20	6.87	7.15	7.20	7.19	7.30	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1510
Result
8.5
8.0
7.5
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

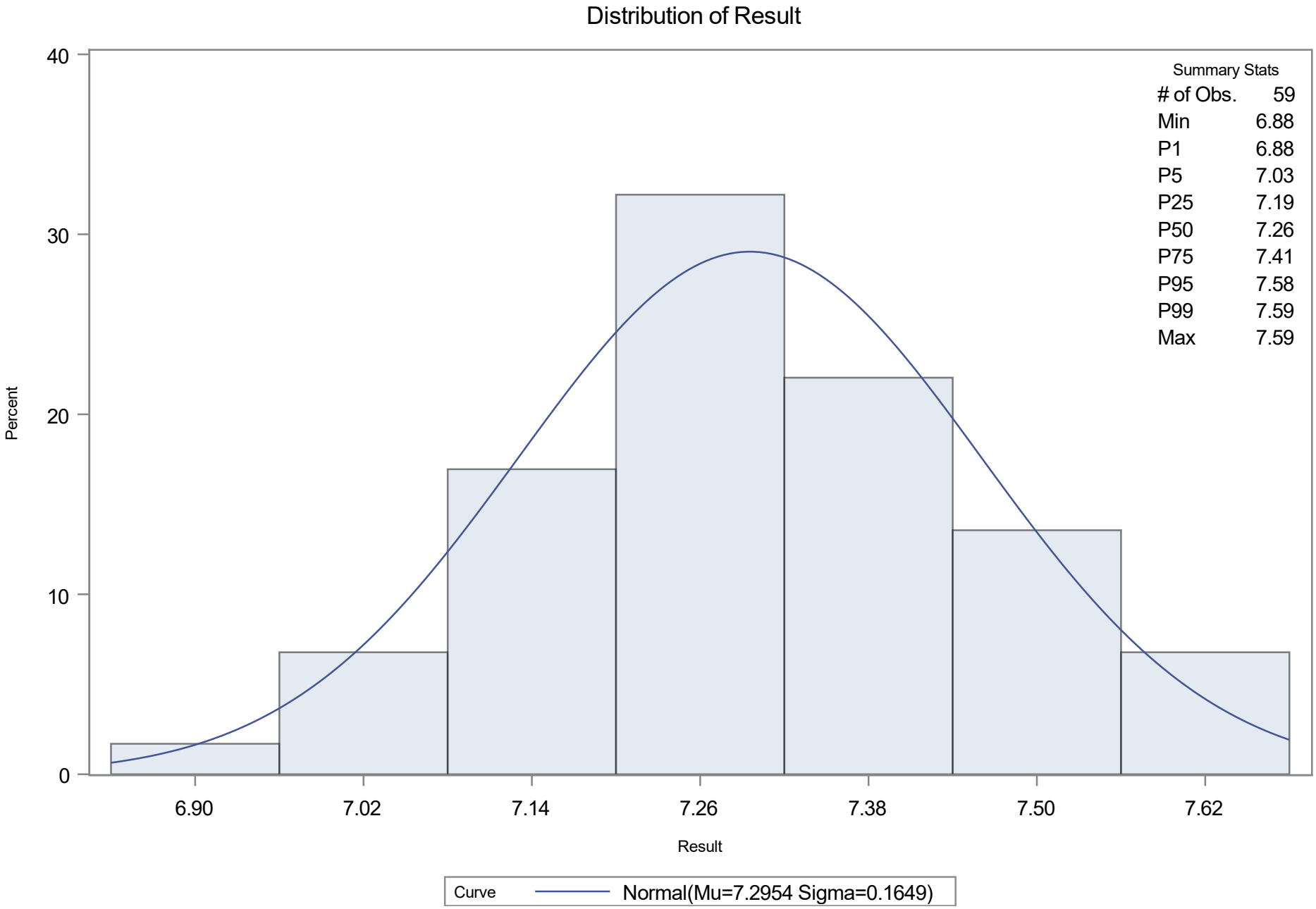
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.295424
Std Dev	Sigma	0.164875

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09353307	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08320977	**Pr > W-Sq**	0.192
Anderson-Darling	**A-Sq**	0.48612918	**Pr > A-Sq**	0.225

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.88000	6.91187
5.0	7.03000	7.02423
10.0	7.08000	7.08413
25.0	7.19000	7.18422
50.0	7.26000	7.29542
75.0	7.41000	7.40663
90.0	7.54000	7.50672
95.0	7.58000	7.56662
99.0	7.59000	7.67898

Period of Record: January 1996 through December 2023
Analysis Days Only

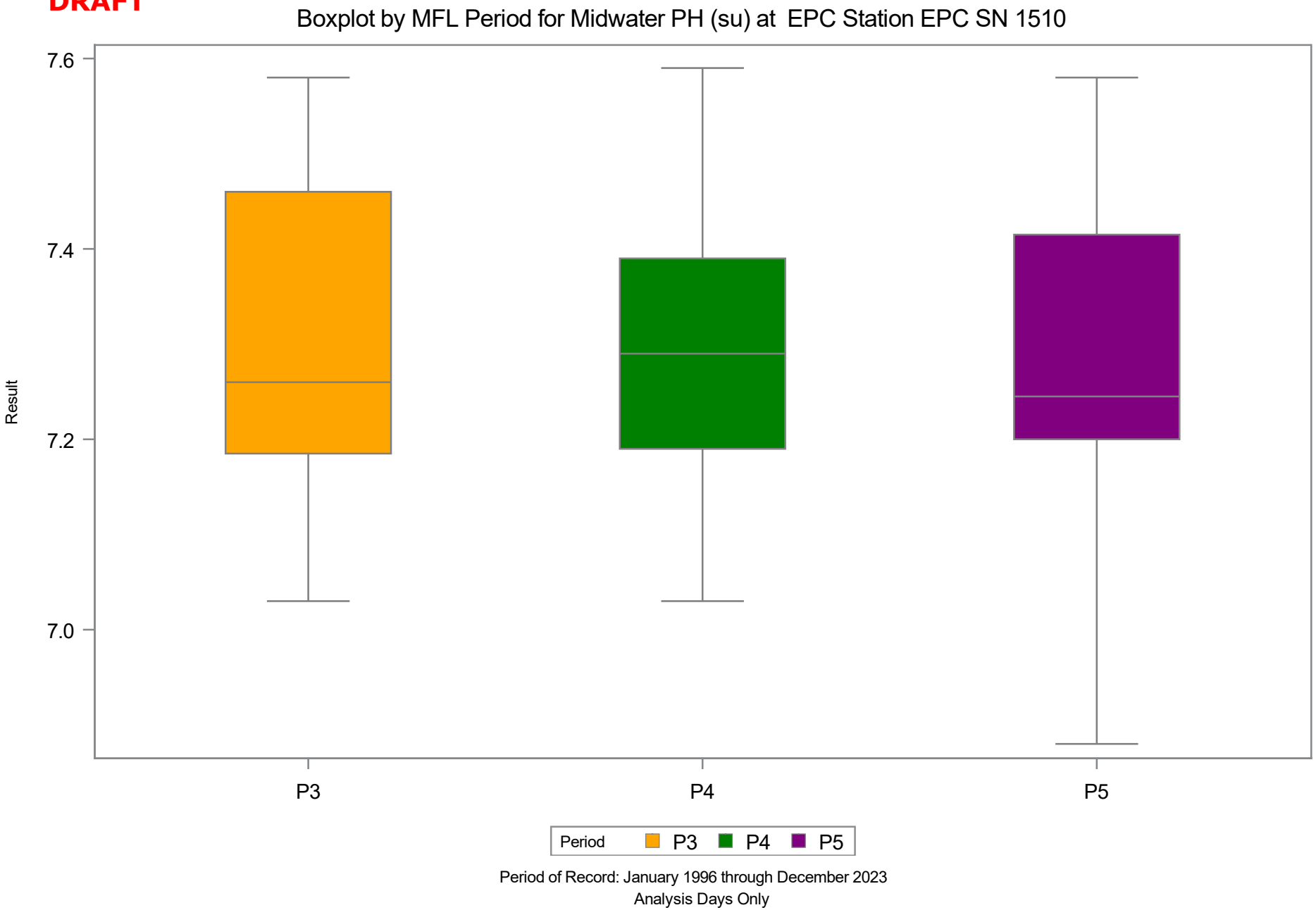
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1510

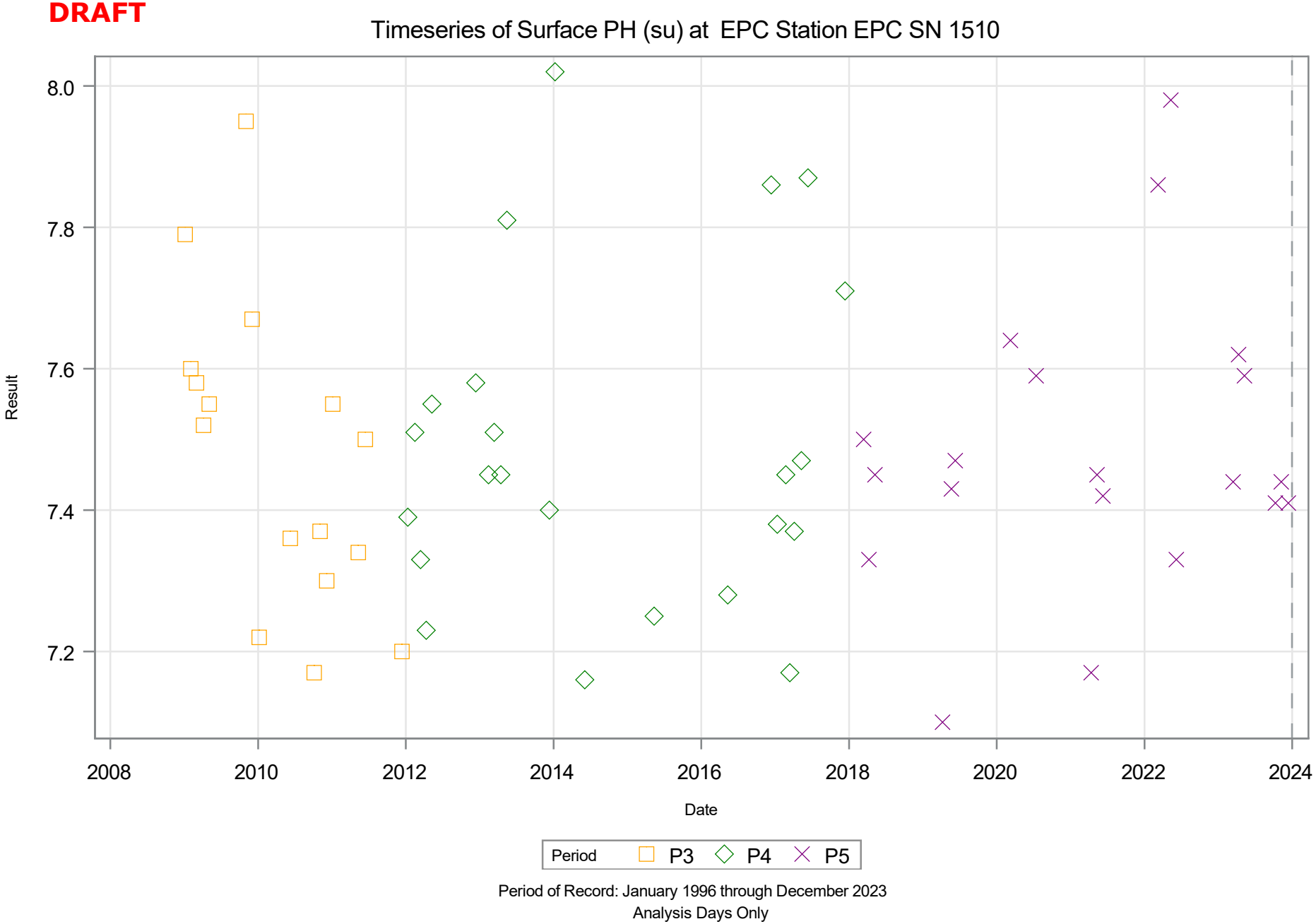
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.03	7.19	7.30	7.26	7.46	7.58
P4	23	7.03	7.19	7.30	7.29	7.39	7.59
P5	20	6.88	7.20	7.28	7.25	7.42	7.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1510
Result
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

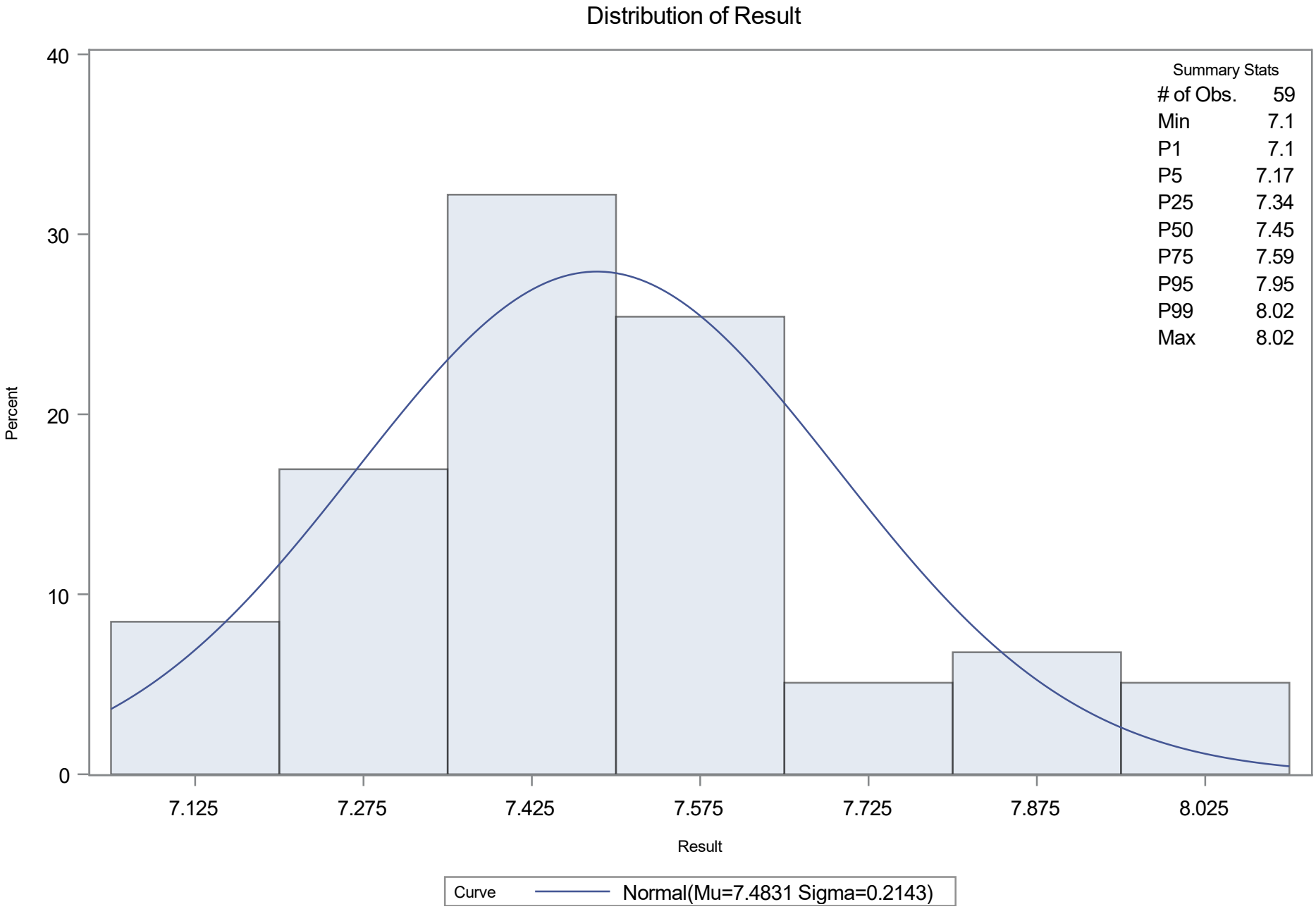
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.483051
Std Dev	Sigma	0.214253

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10367086	**Pr > D**	0.114
Cramer-von Mises	**W-Sq**	0.12764137	**Pr > W-Sq**	0.047
Anderson-Darling	**A-Sq**	0.81644195	**Pr > A-Sq**	0.034

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.10000	6.98462
5.0	7.17000	7.13064
10.0	7.20000	7.20847
25.0	7.34000	7.33854
50.0	7.45000	7.48305
75.0	7.59000	7.62756
90.0	7.86000	7.75763
95.0	7.95000	7.83547
99.0	8.02000	7.98148

Period of Record: January 1996 through December 2023
Analysis Days Only

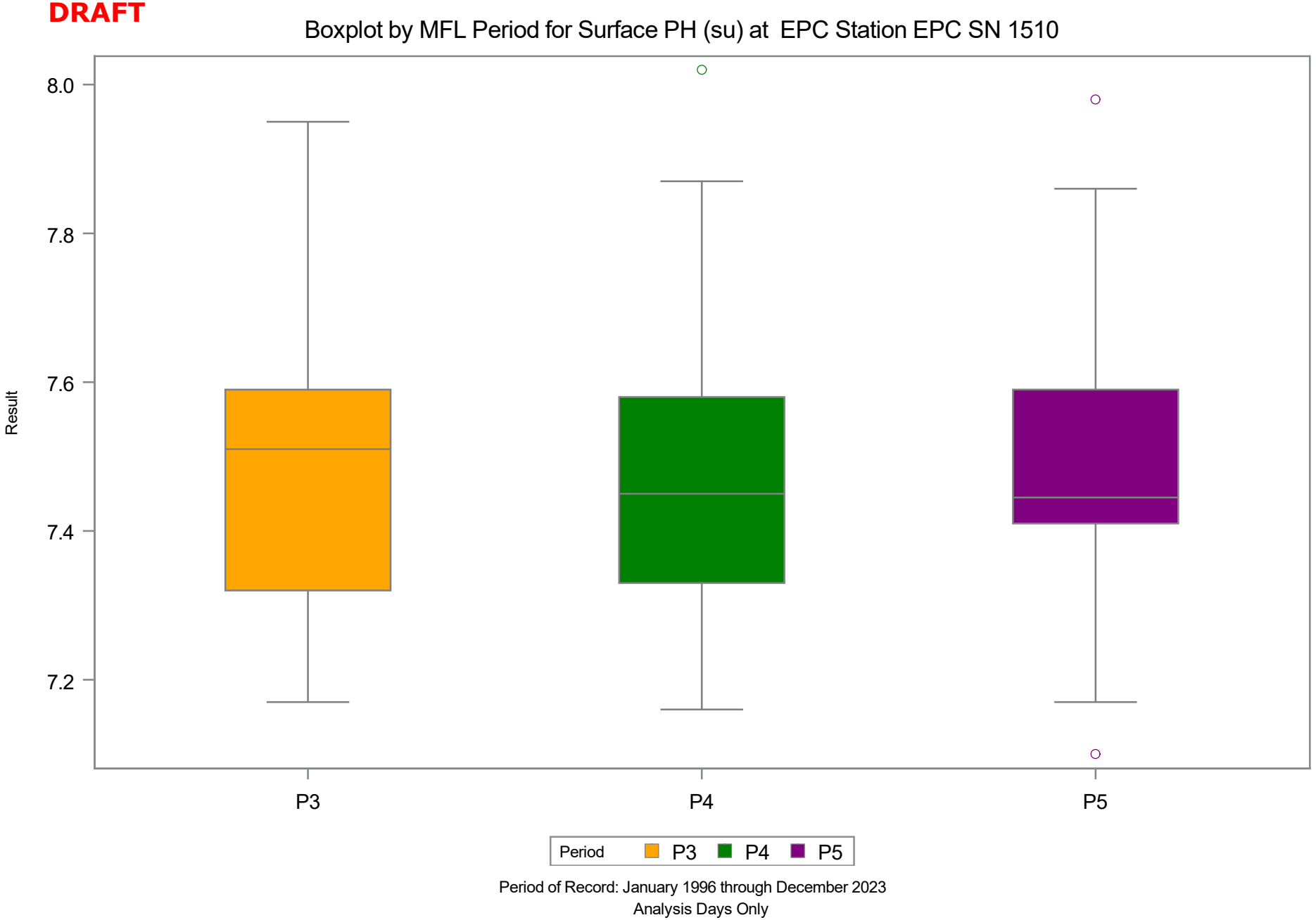
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1510

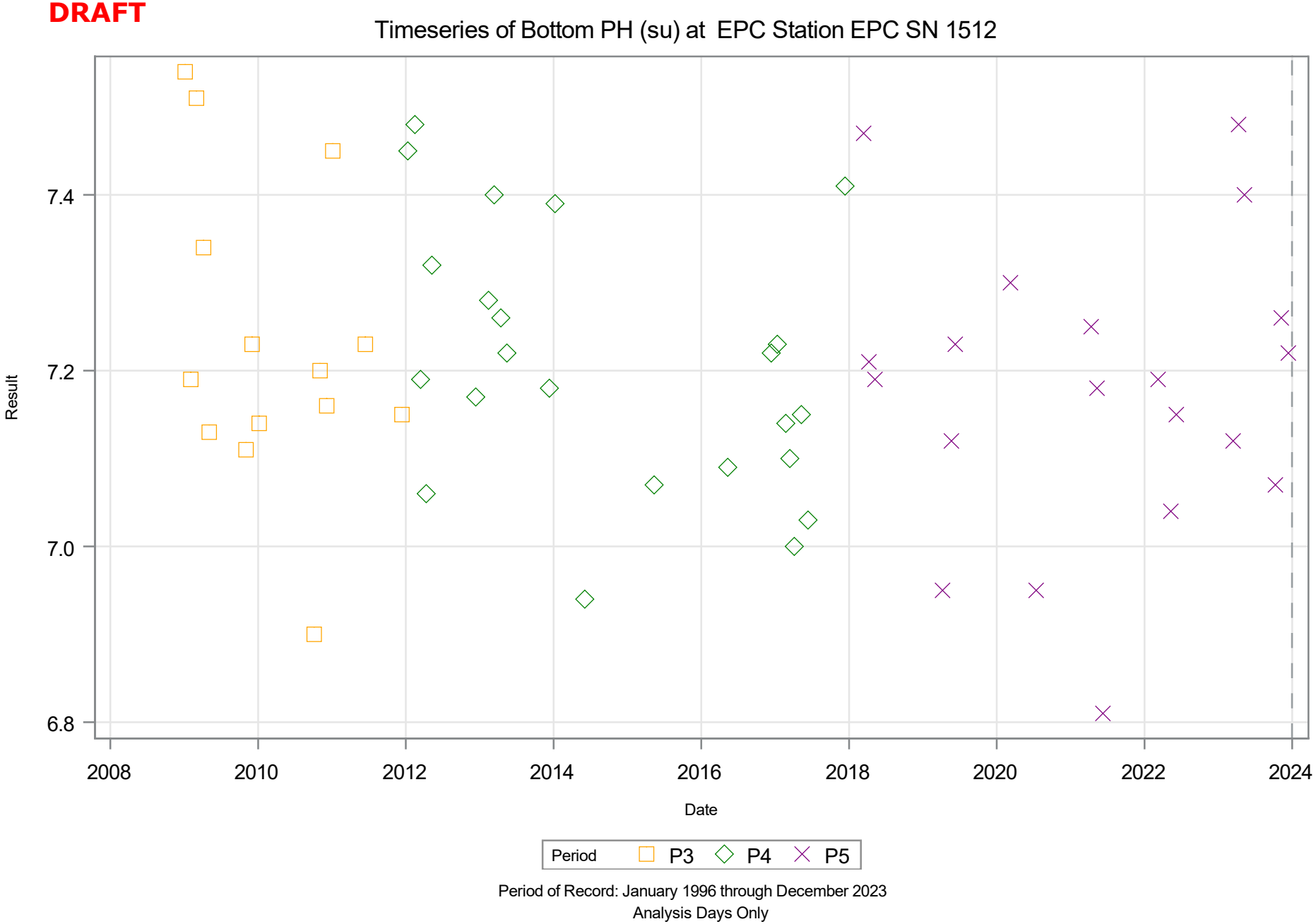
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.17	7.32	7.48	7.51	7.59	7.95
P4	23	7.16	7.33	7.49	7.45	7.58	8.02
P5	20	7.10	7.41	7.48	7.45	7.59	7.98

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1510
Result
8.0
7.8
7.6
7.4
7.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

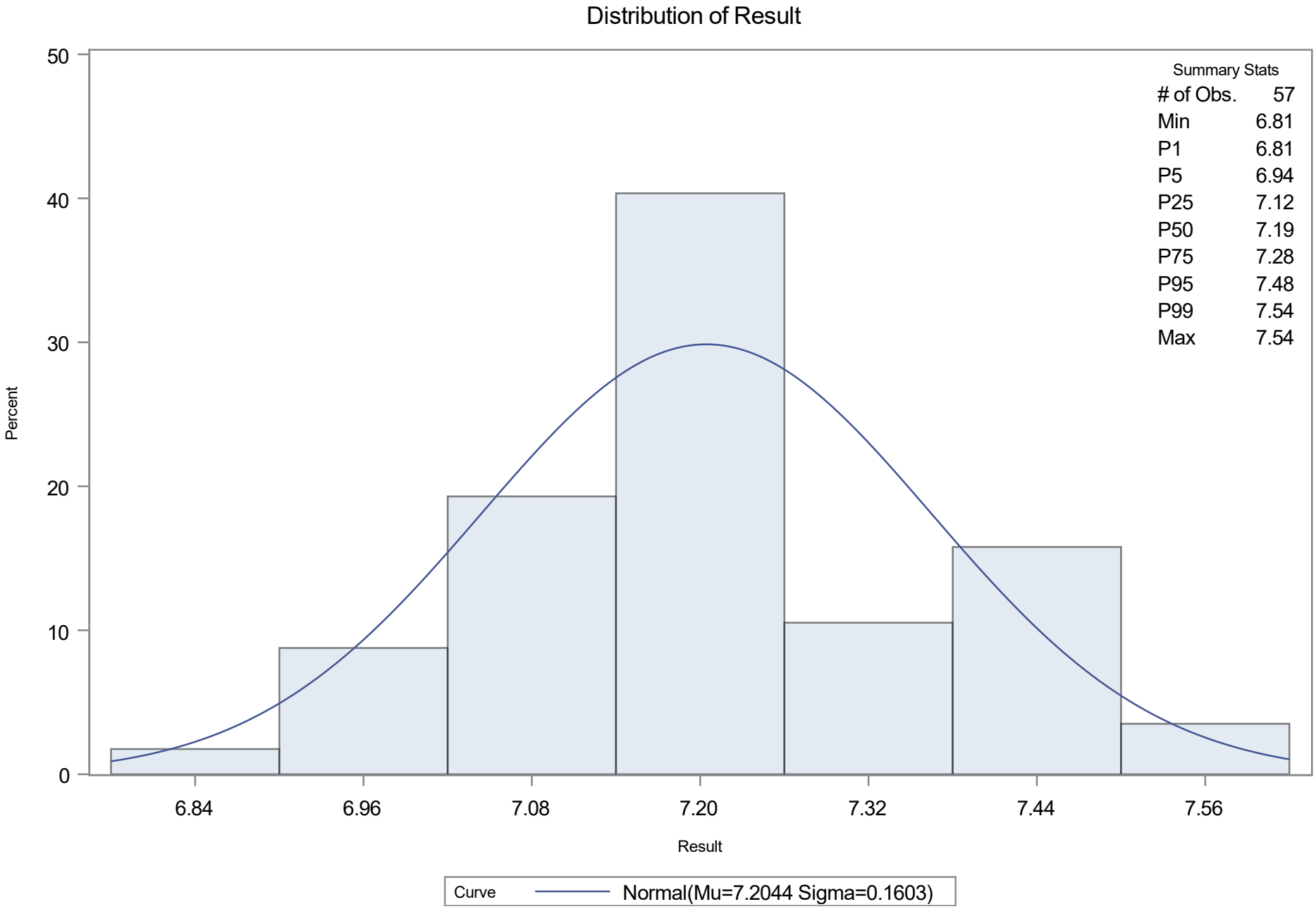
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.204386
Std Dev	Sigma	0.160324

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12074376	**Pr > D**	0.038
Cramer-von Mises	**W-Sq**	0.10436708	**Pr > W-Sq**	0.097
Anderson-Darling	**A-Sq**	0.58893045	**Pr > A-Sq**	0.124

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.81000	6.83142
5.0	6.94000	6.94068
10.0	7.00000	6.99892
25.0	7.12000	7.09625
50.0	7.19000	7.20439
75.0	7.28000	7.31252
90.0	7.45000	7.40985
95.0	7.48000	7.46809
99.0	7.54000	7.57735

Period of Record: January 1996 through December 2023
Analysis Days Only

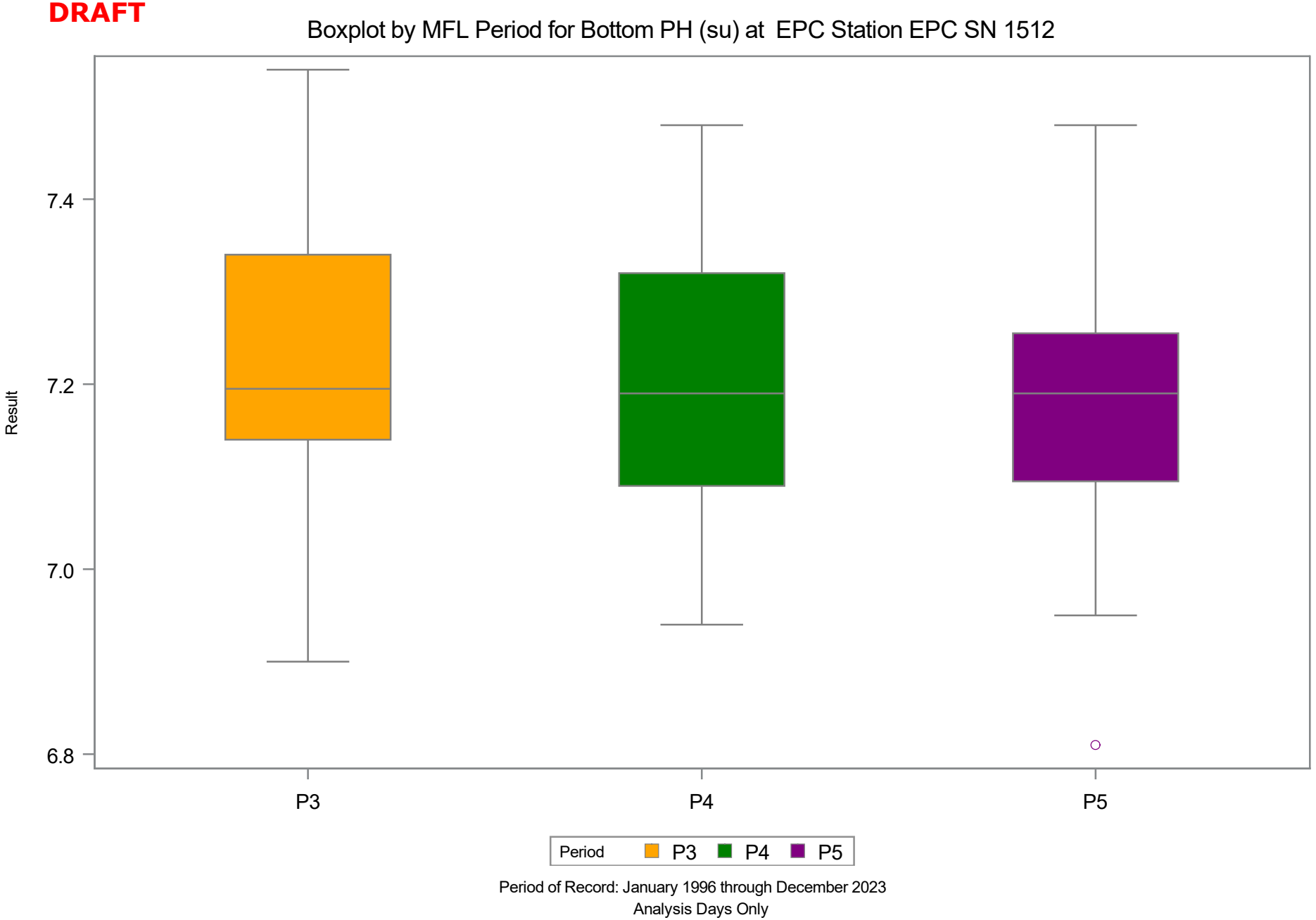
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1512

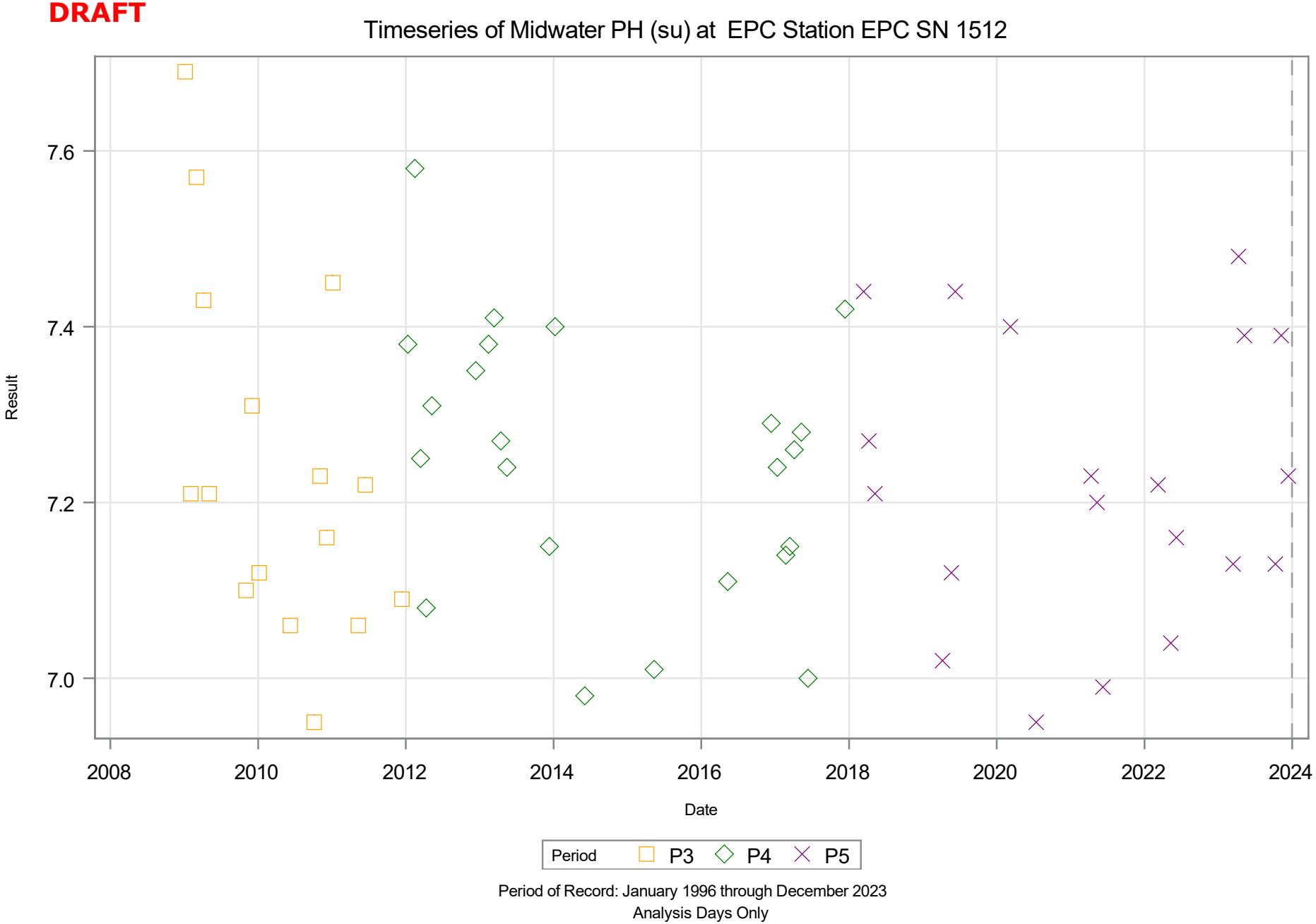
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	6.90	7.14	7.23	7.20	7.34	7.54
P4	23	6.94	7.09	7.21	7.19	7.32	7.48
P5	20	6.81	7.10	7.18	7.19	7.26	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1512
Result
7.4
7.2
7.0
6.8
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

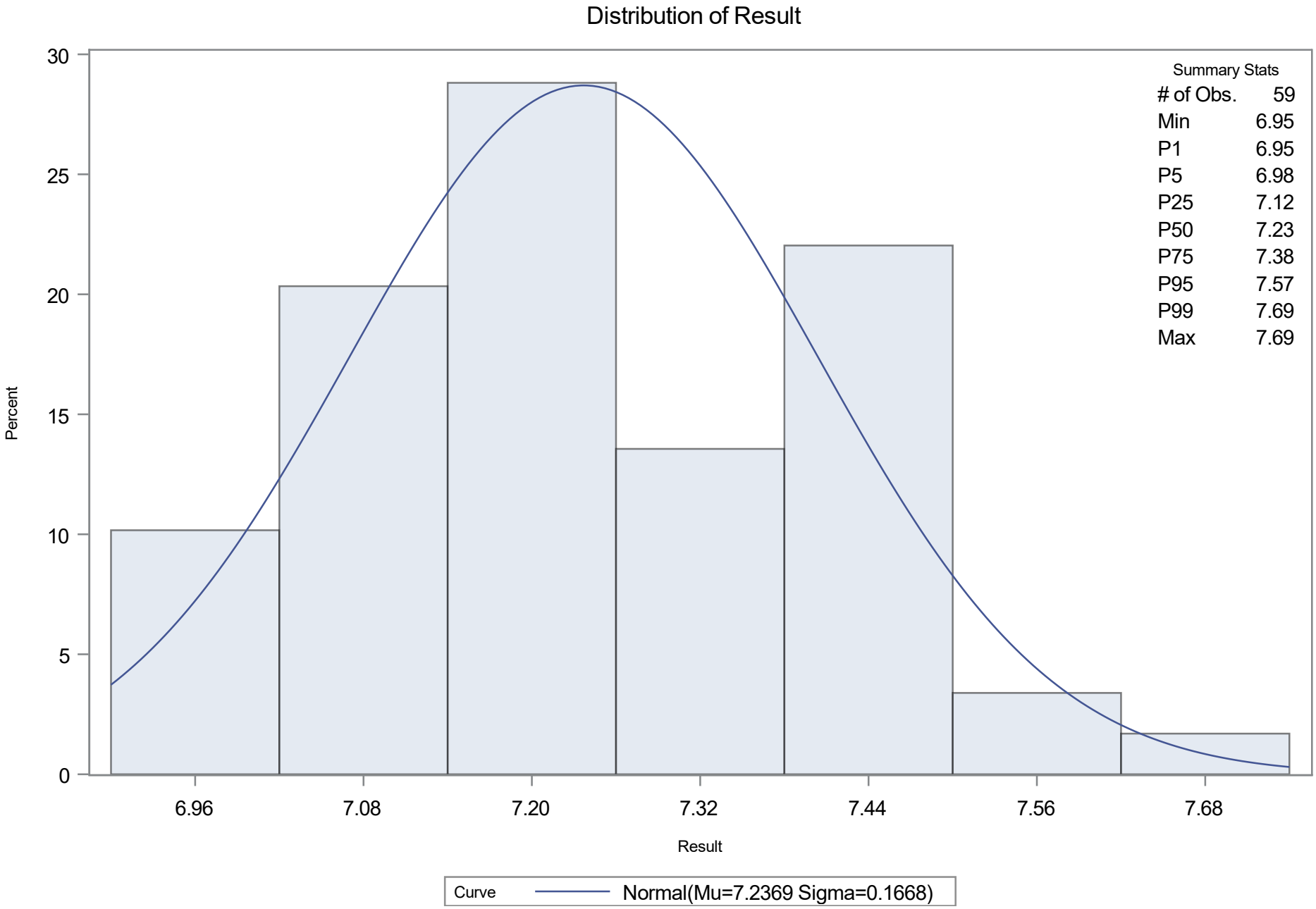
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.236949
Std Dev	Sigma	0.166777

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07566723	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05677590	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36098450	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.95000	6.84897
5.0	6.98000	6.96262
10.0	7.01000	7.02322
25.0	7.12000	7.12446
50.0	7.23000	7.23695
75.0	7.38000	7.34944
90.0	7.44000	7.45068
95.0	7.57000	7.51127
99.0	7.69000	7.62493

Period of Record: January 1996 through December 2023
Analysis Days Only

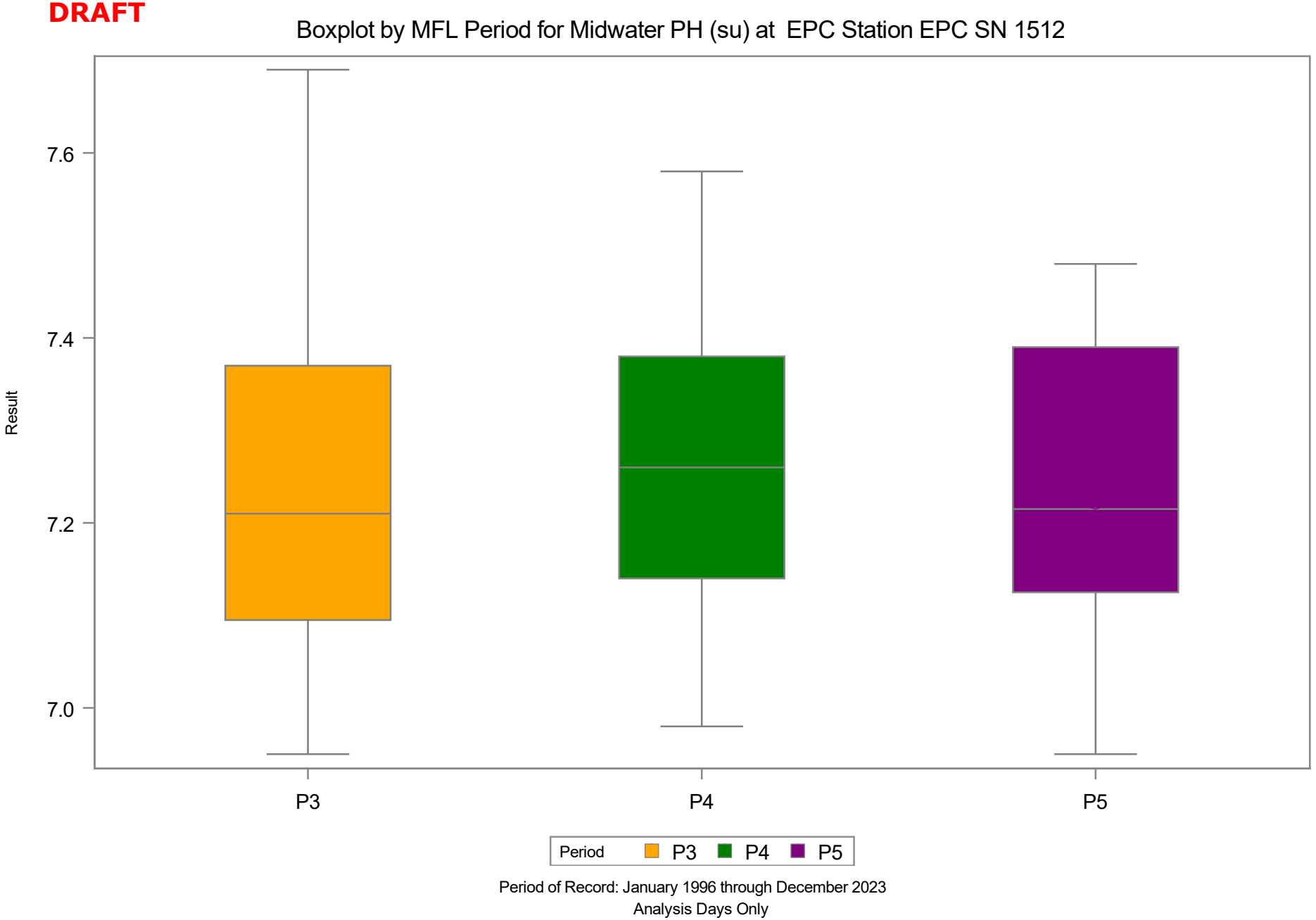
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1512

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	6.95	7.10	7.24	7.21	7.37	7.69
P4	23	6.98	7.14	7.25	7.26	7.38	7.58
P5	20	6.95	7.13	7.22	7.22	7.39	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1512
Result
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

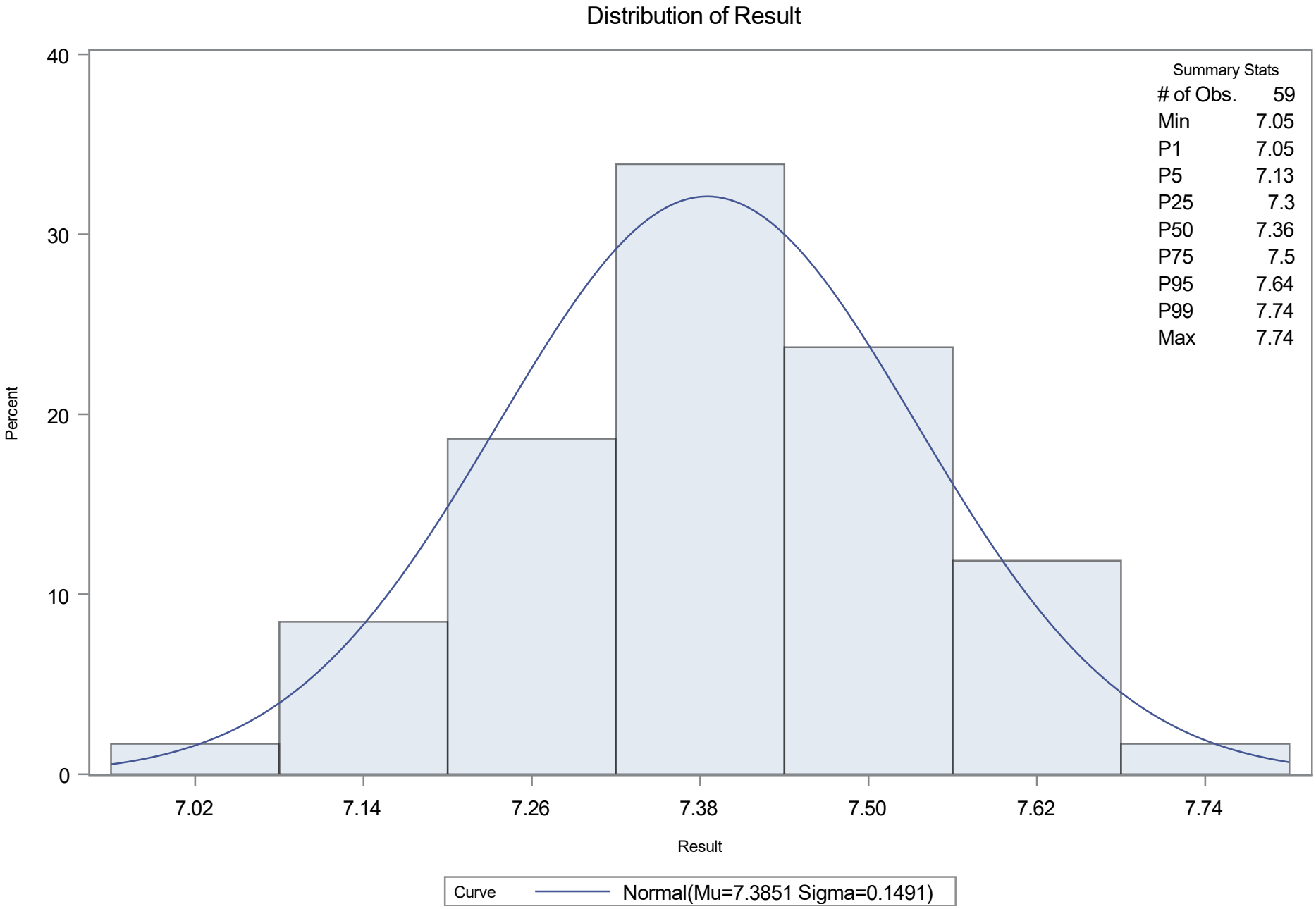
DRAFT

Timeseries of Surface PH (su) at EPC Station EPC SN 1512

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.385085
Std Dev	Sigma	0.149117

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08987213	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05931462	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29307392	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.05000	7.03819
5.0	7.13000	7.13981
10.0	7.18000	7.19398
25.0	7.30000	7.28451
50.0	7.36000	7.38508
75.0	7.50000	7.48566
90.0	7.60000	7.57619
95.0	7.64000	7.63036
99.0	7.74000	7.73198

Period of Record: January 1996 through December 2023
Analysis Days Only

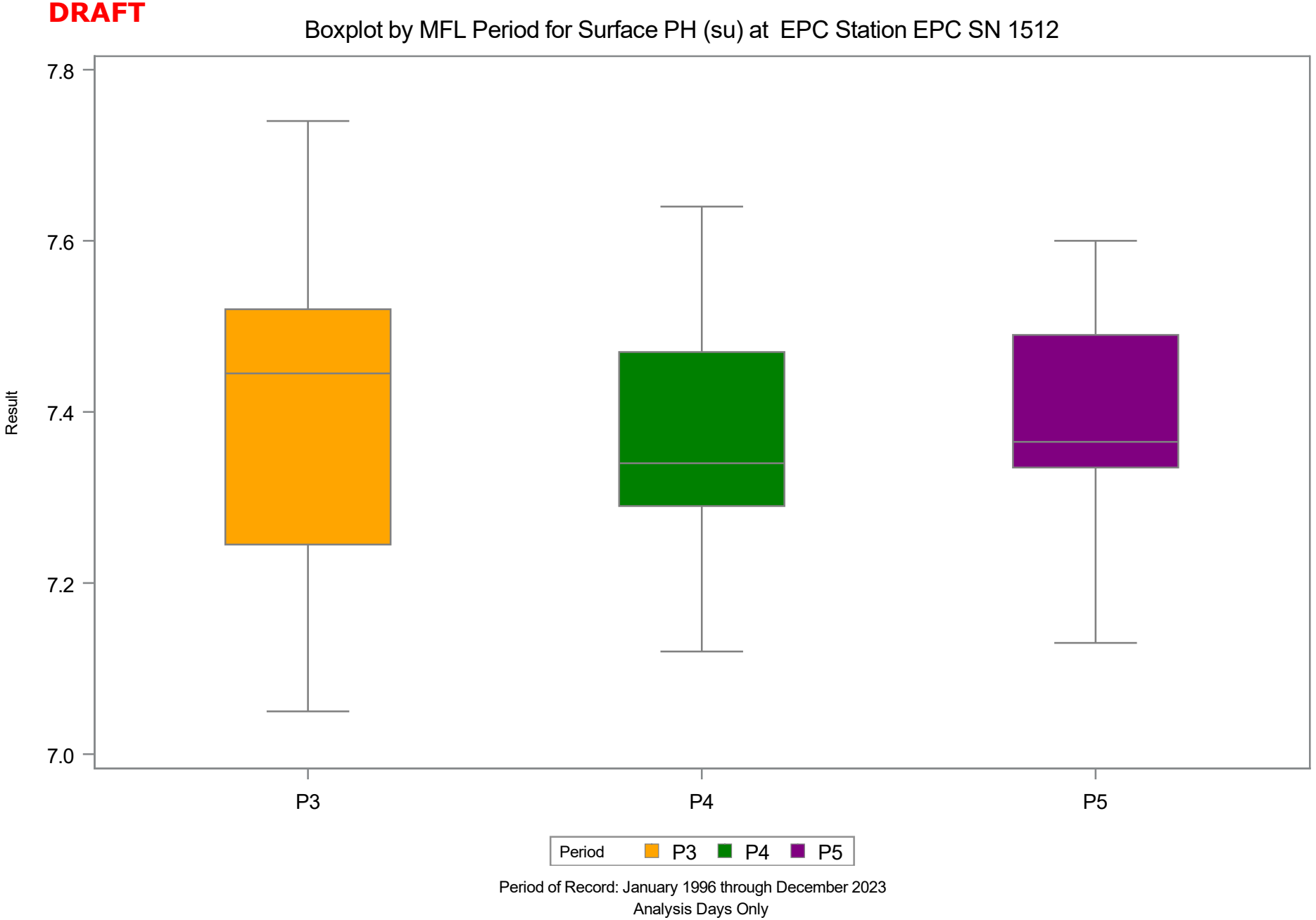
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1512

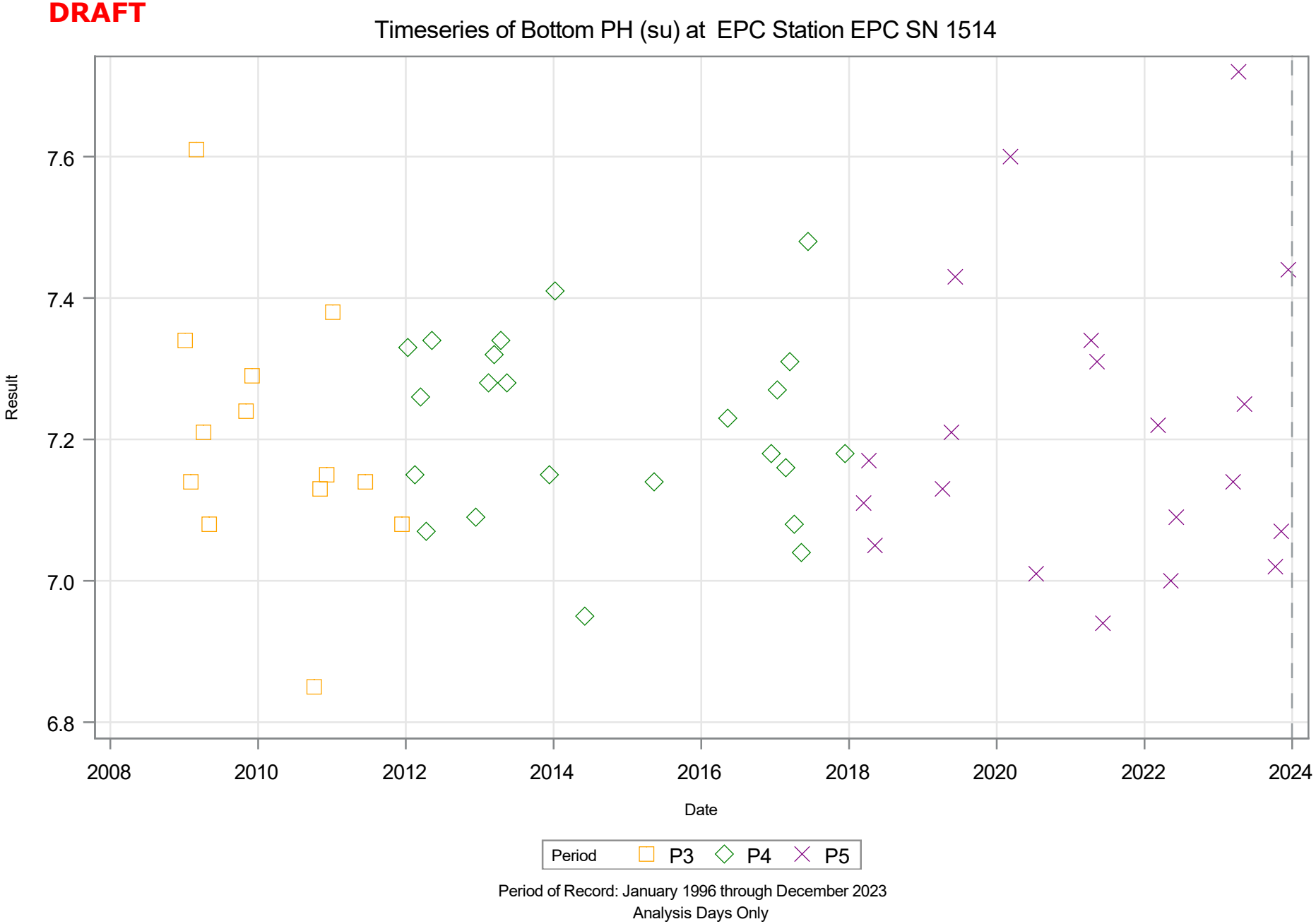
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.05	7.25	7.40	7.45	7.52	7.74
P4	23	7.12	7.29	7.37	7.34	7.47	7.64
P5	20	7.13	7.34	7.39	7.37	7.49	7.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

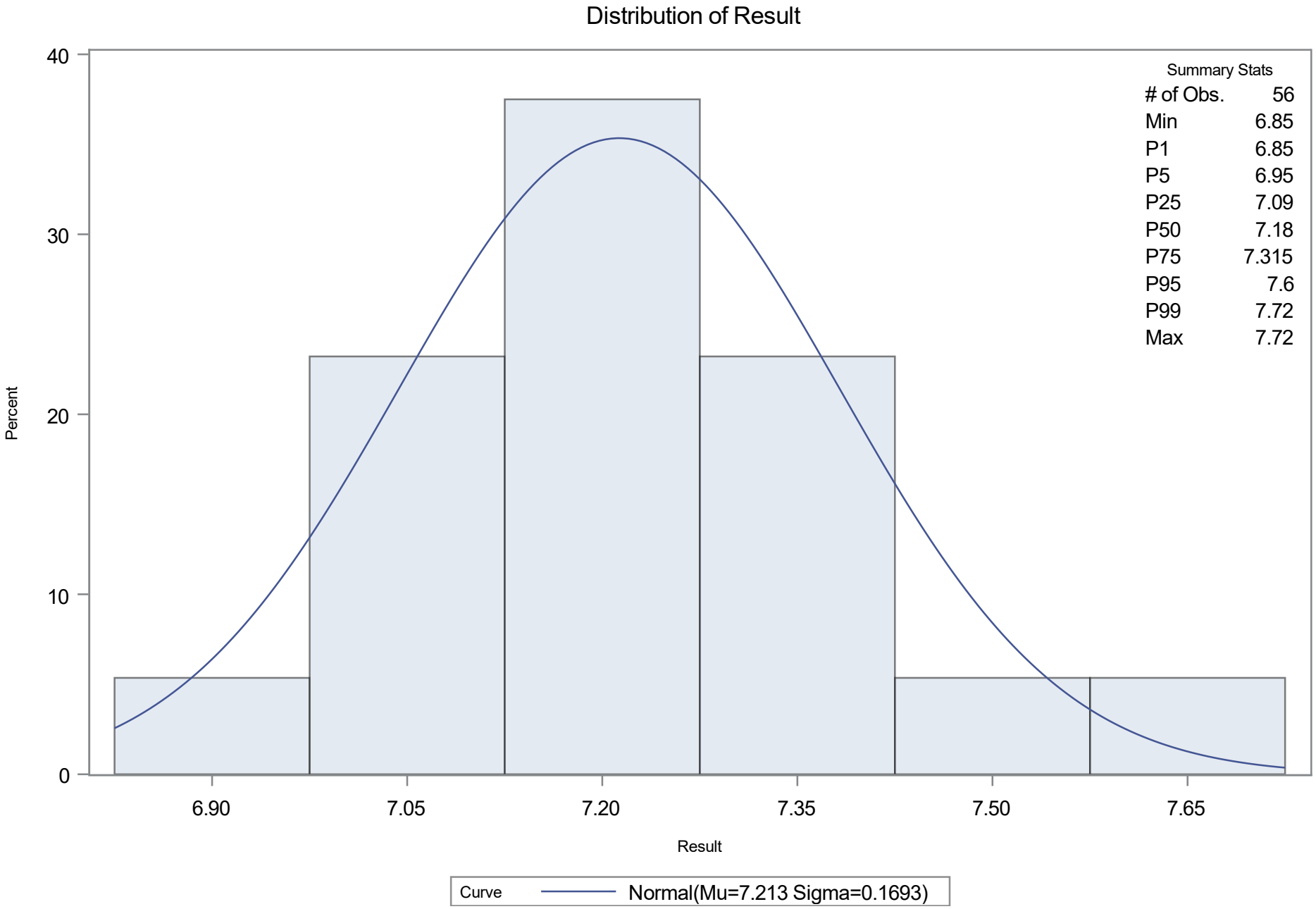

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1512
Result
7.8
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1514
Result
7.6
7.4
7.2
7.0
6.8
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.213036
Std Dev	Sigma	0.169319

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09520362	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08263802	**Pr > W-Sq**	0.195
Anderson-Darling	**A-Sq**	0.54436858	**Pr > A-Sq**	0.160

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.85000	6.81914
5.0	6.95000	6.93453
10.0	7.02000	6.99605
25.0	7.09000	7.09883
50.0	7.18000	7.21304
75.0	7.31500	7.32724
90.0	7.43000	7.43003
95.0	7.60000	7.49154
99.0	7.72000	7.60693

Period of Record: January 1996 through December 2023
Analysis Days Only

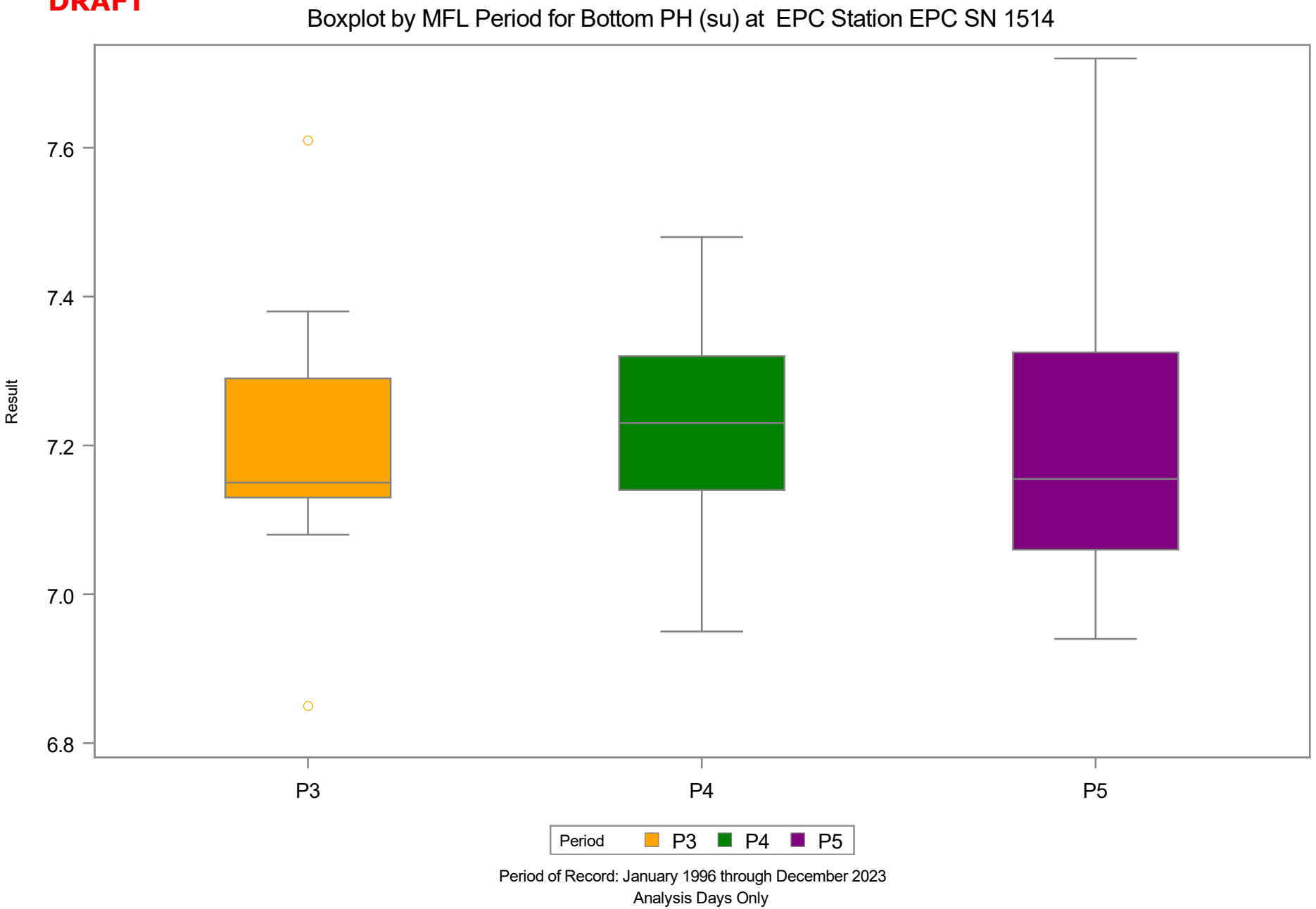
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1514

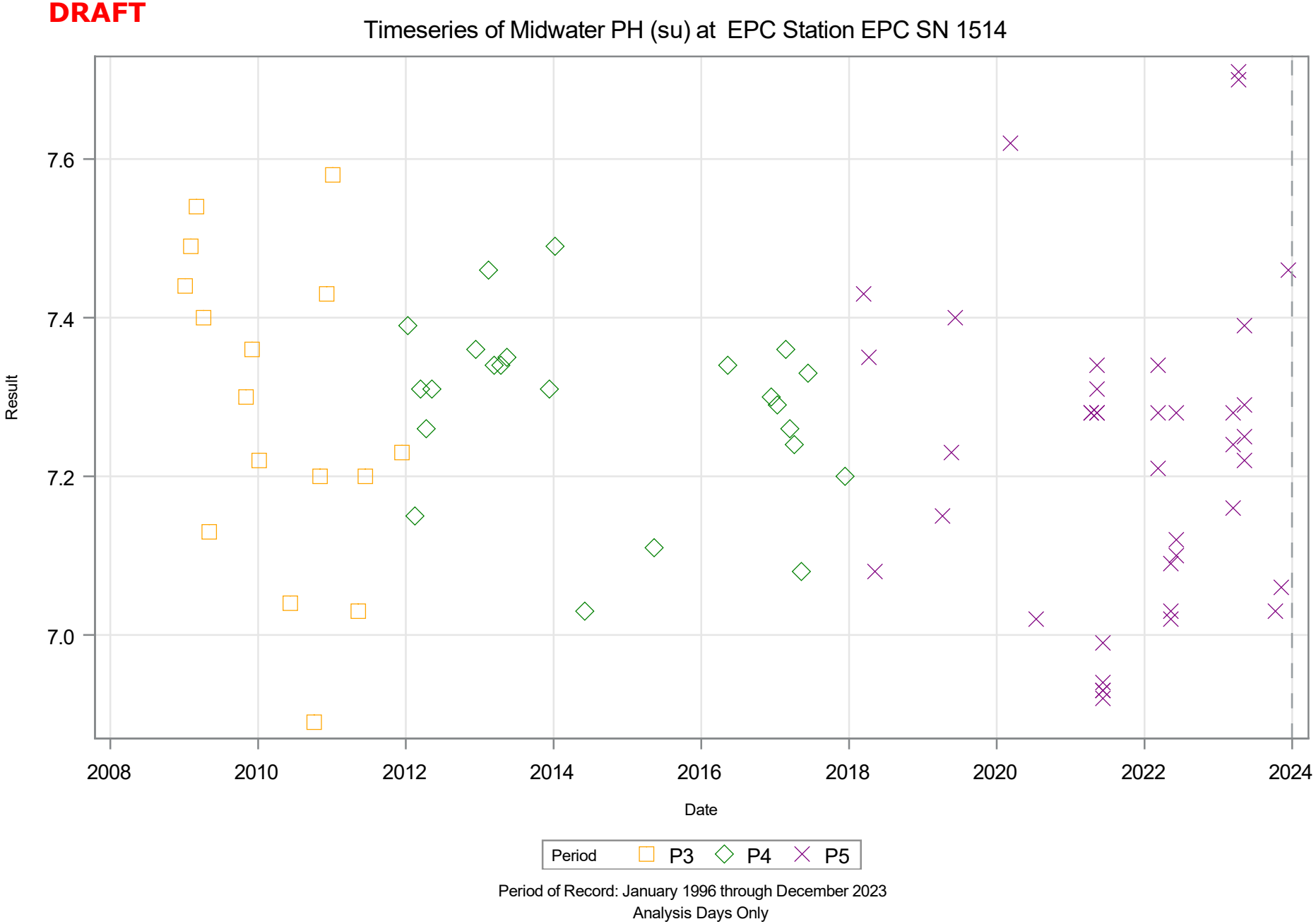
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	6.85	7.13	7.20	7.15	7.29	7.61
P4	23	6.95	7.14	7.22	7.23	7.32	7.48
P5	20	6.94	7.06	7.21	7.16	7.33	7.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1514
Result
7.6
7.4
7.2
7.0
6.8
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

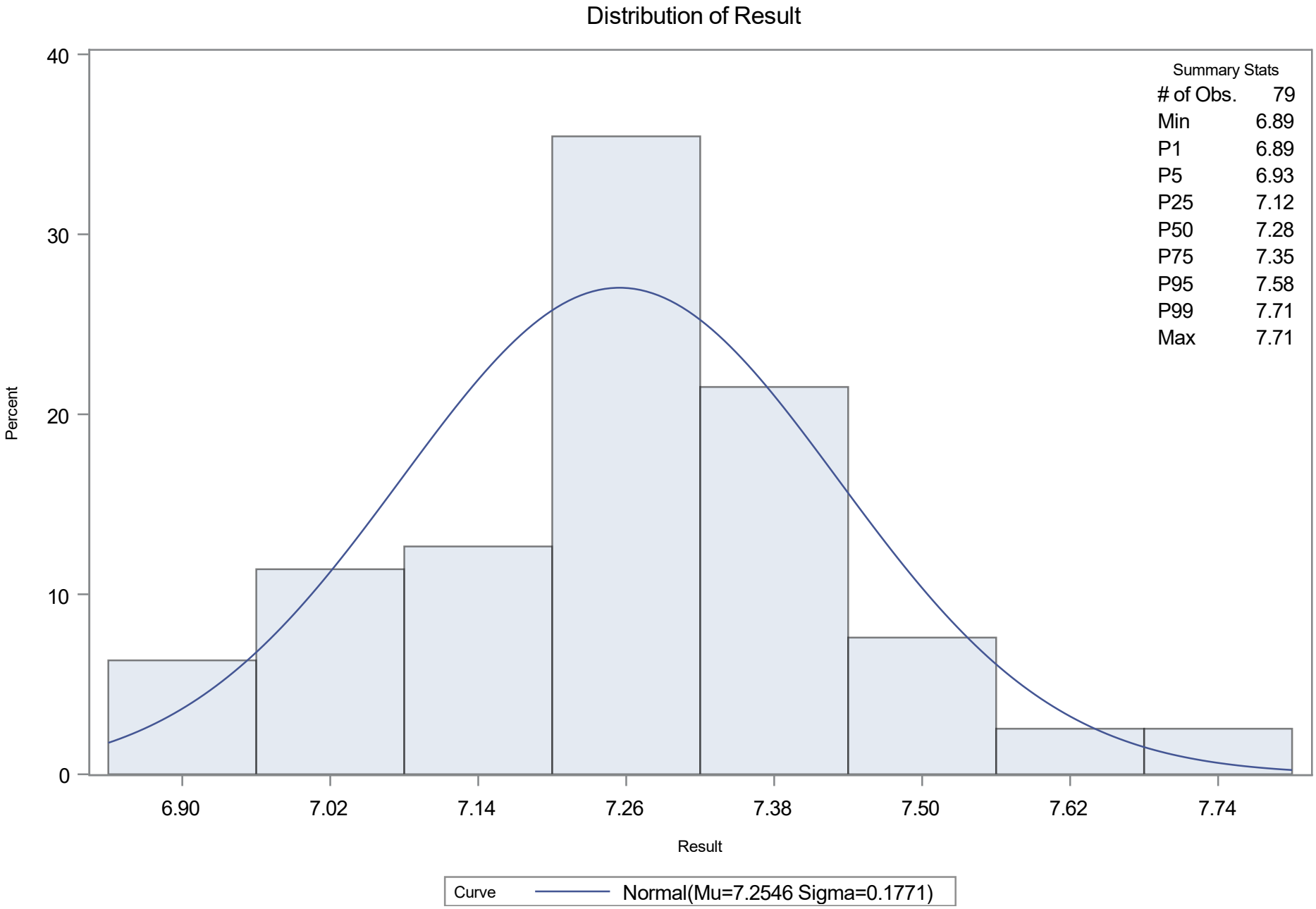
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.254557
Std Dev	Sigma	0.177105

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08876142	**Pr > D**	0.126
Cramer-von Mises	**W-Sq**	0.09758169	**Pr > W-Sq**	0.122
Anderson-Darling	**A-Sq**	0.55555844	**Pr > A-Sq**	0.150

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.89000	6.84255
5.0	6.93000	6.96325
10.0	7.02000	7.02759
25.0	7.12000	7.13510
50.0	7.28000	7.25456
75.0	7.35000	7.37401
90.0	7.46000	7.48153
95.0	7.58000	7.54587
99.0	7.71000	7.66656

Period of Record: January 1996 through December 2023
Analysis Days Only

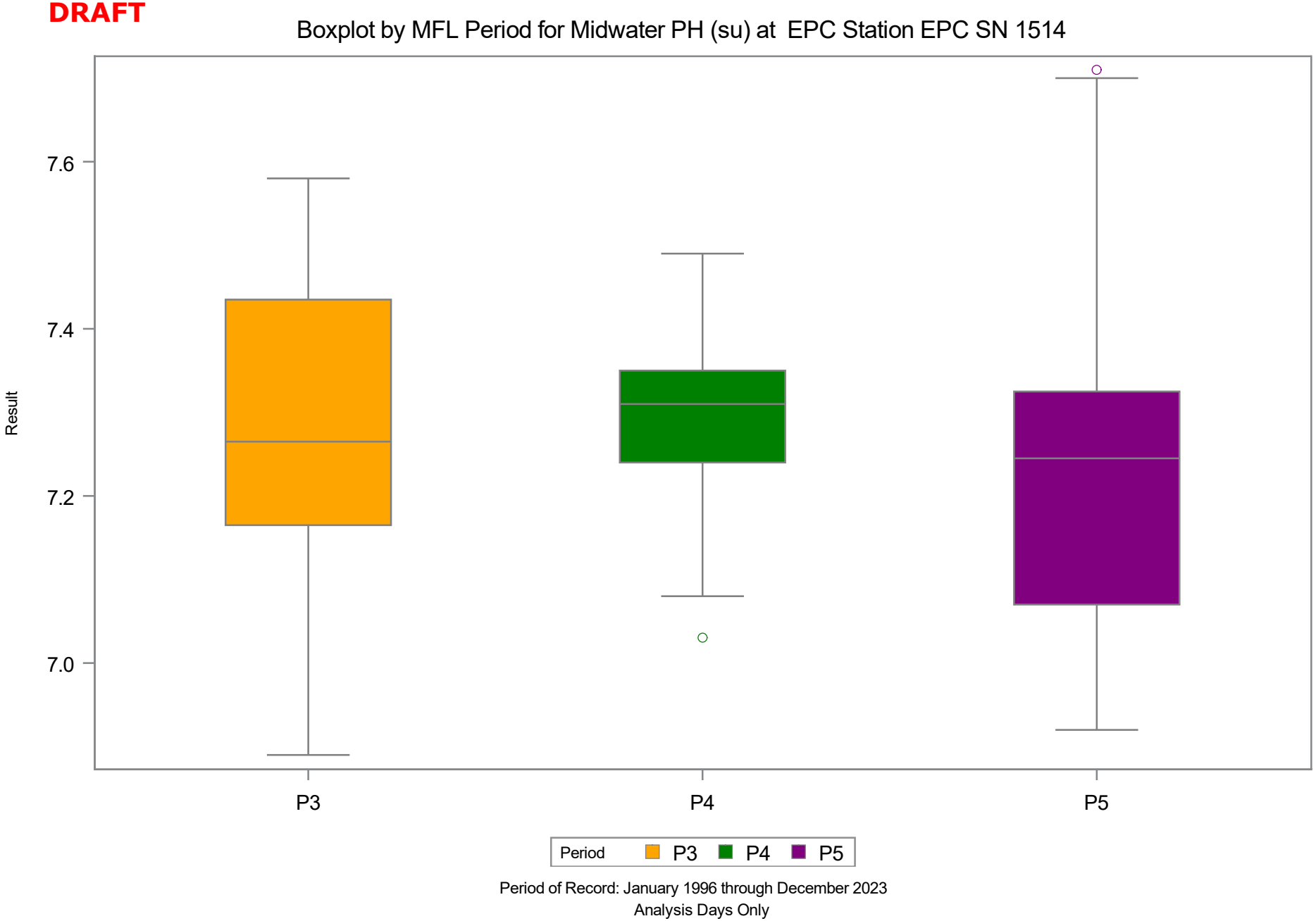
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1514

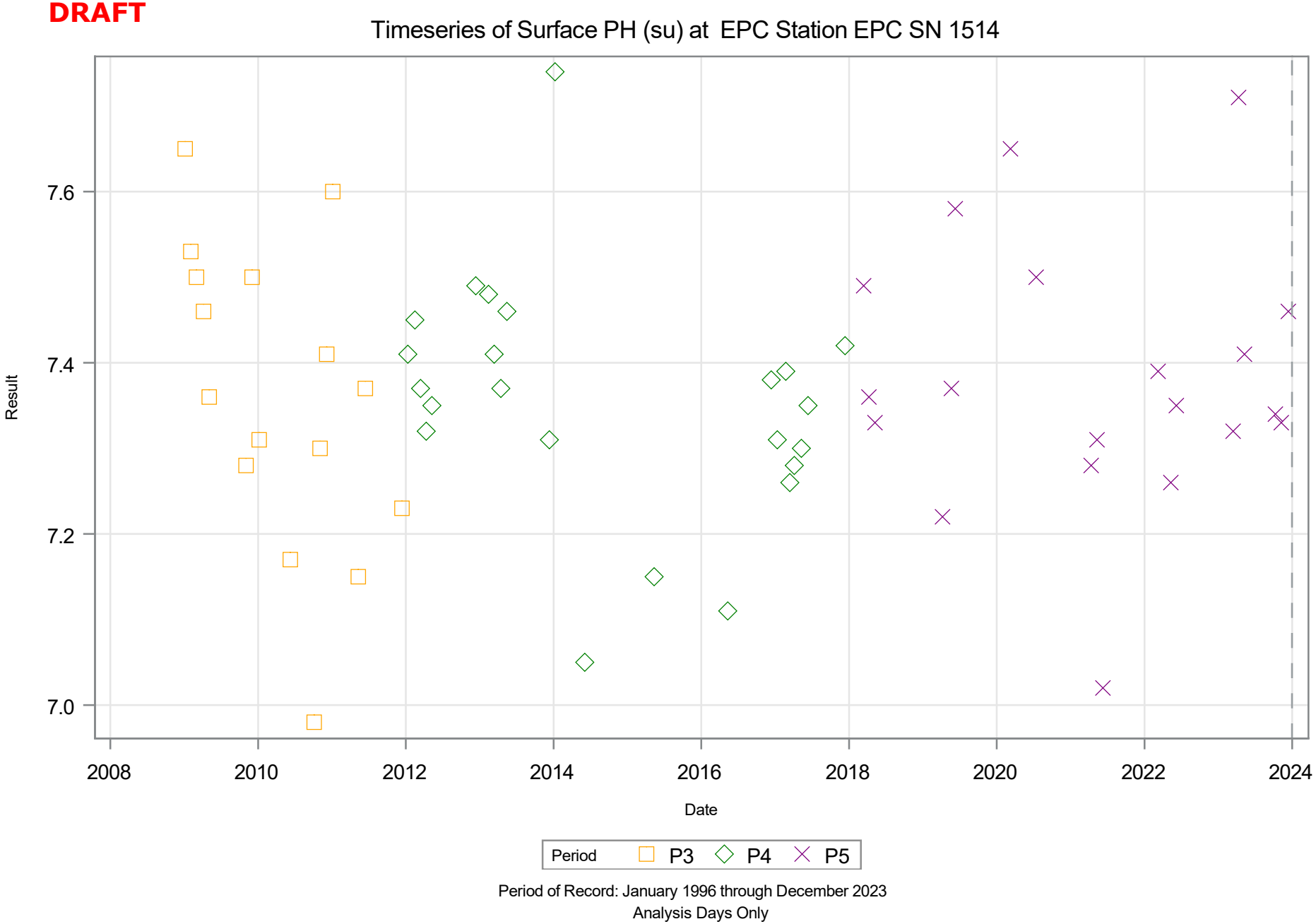
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	6.89	7.17	7.28	7.27	7.44	7.58
P4	23	7.03	7.24	7.29	7.31	7.35	7.49
P5	40	6.92	7.07	7.23	7.25	7.33	7.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

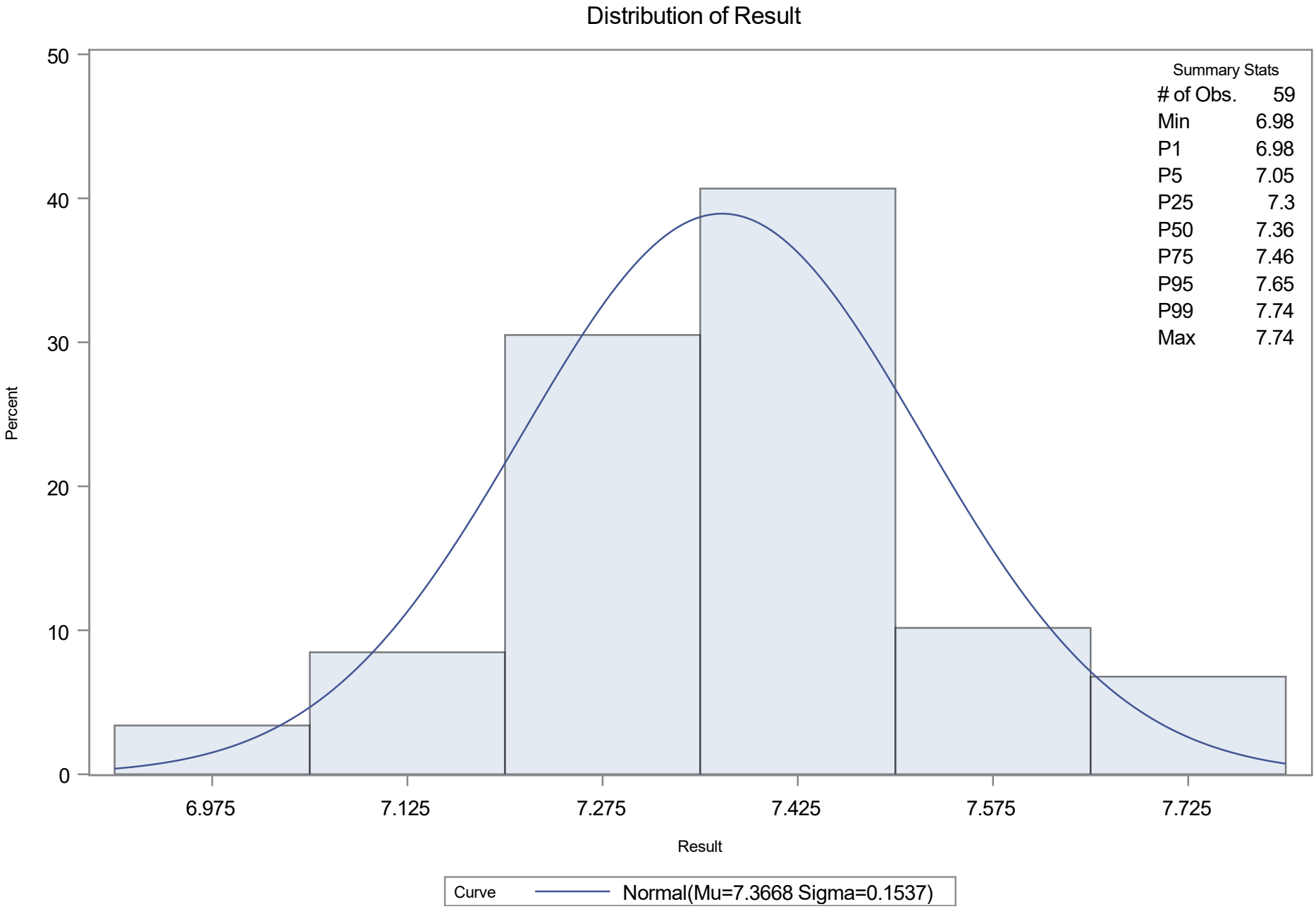

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1514
Result
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 1514
Result
7.6
7.4
7.2
7.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.36678
Std Dev	Sigma	0.153695

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09972482	**Pr > D**	0.149
Cramer-von Mises	**W-Sq**	0.10641211	**Pr > W-Sq**	0.092
Anderson-Darling	**A-Sq**	0.61391159	**Pr > A-Sq**	0.106

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.98000	7.00923
5.0	7.05000	7.11397
10.0	7.15000	7.16981
25.0	7.30000	7.26311
50.0	7.36000	7.36678
75.0	7.46000	7.47045
90.0	7.58000	7.56375
95.0	7.65000	7.61959
99.0	7.74000	7.72433

Period of Record: January 1996 through December 2023
Analysis Days Only

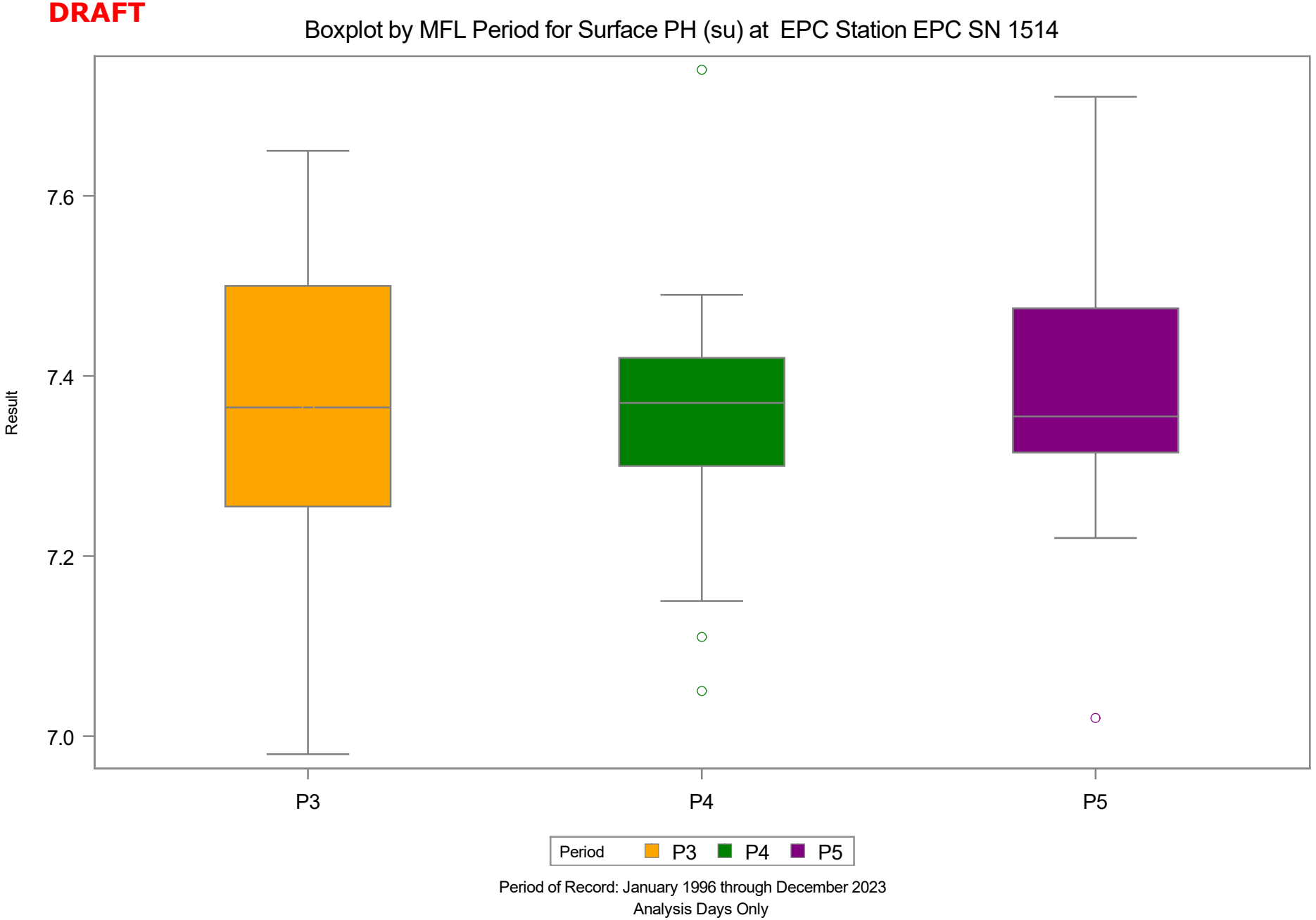
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1514

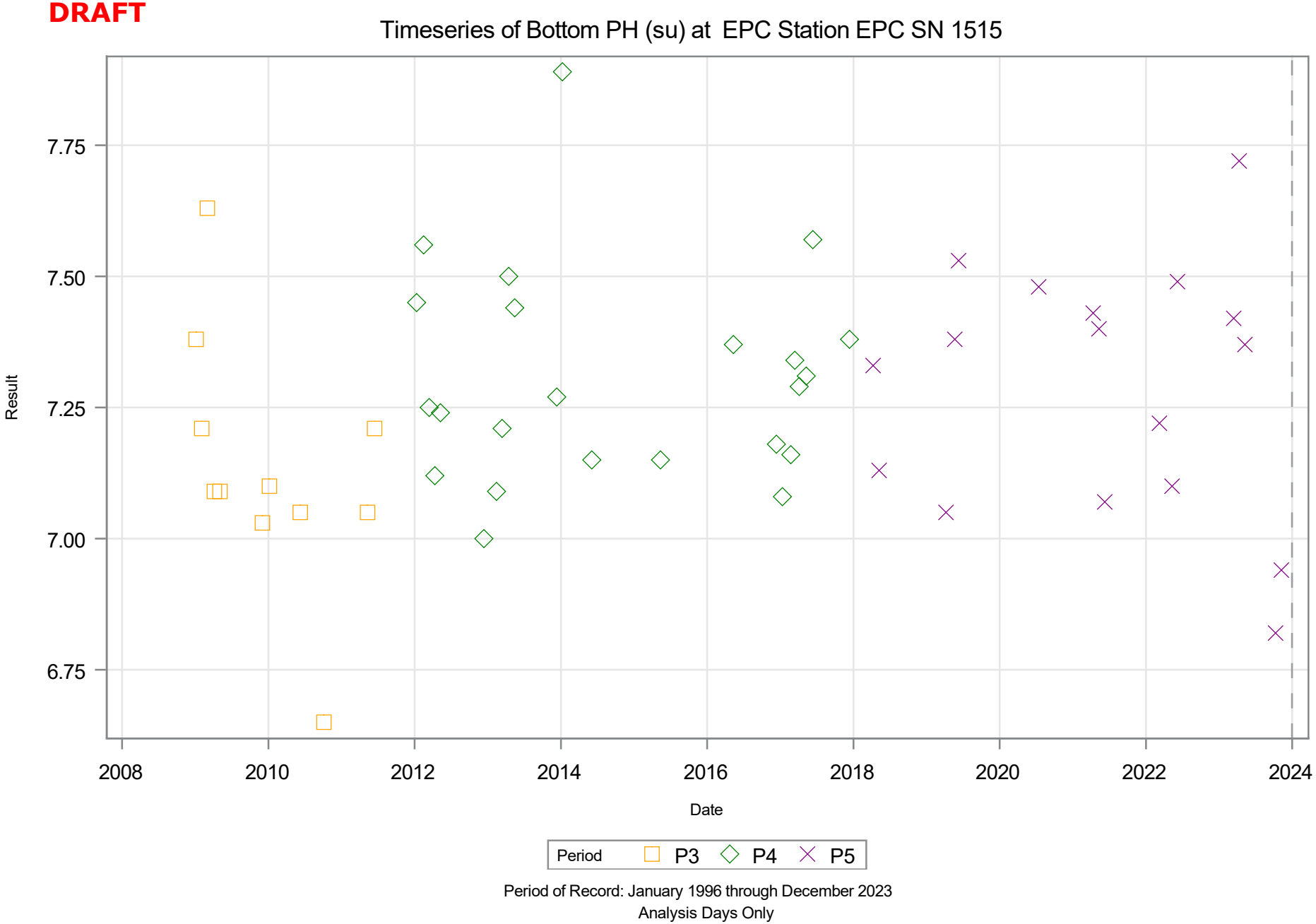
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	6.98	7.26	7.36	7.37	7.50	7.65
P4	23	7.05	7.30	7.35	7.37	7.42	7.74
P5	20	7.02	7.32	7.38	7.36	7.48	7.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

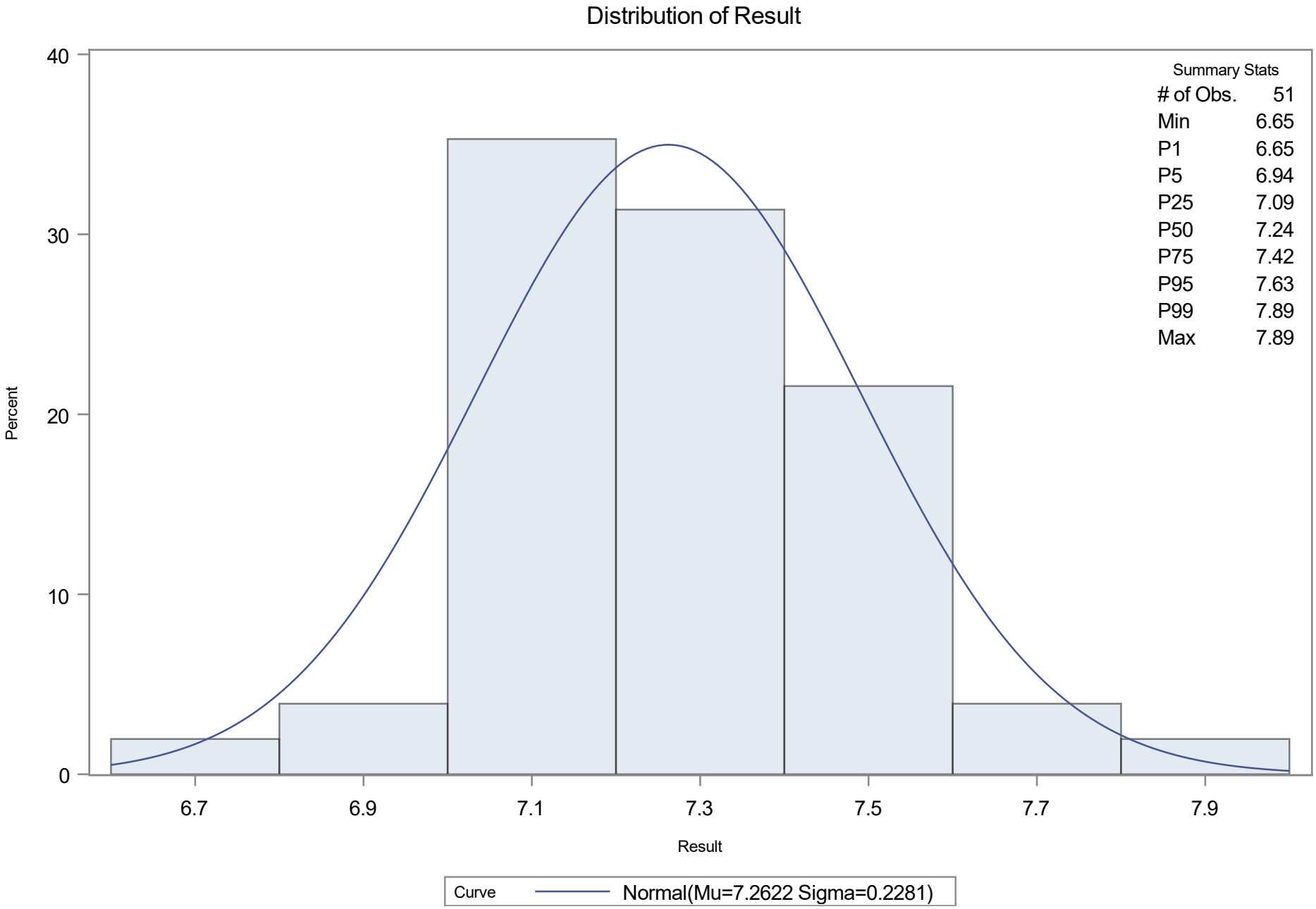

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1514
Result
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 1515
Result
7.75
7.50
7.25
7.00
6.75
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.262157
Std Dev	Sigma	0.228117

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07813693	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05154321	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.34792021	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.65000	6.73148
5.0	6.94000	6.88694
10.0	7.05000	6.96981
25.0	7.09000	7.10829
50.0	7.24000	7.26216
75.0	7.42000	7.41602
90.0	7.53000	7.55450
95.0	7.63000	7.63738
99.0	7.89000	7.79284

Period of Record: January 1996 through December 2023
Analysis Days Only

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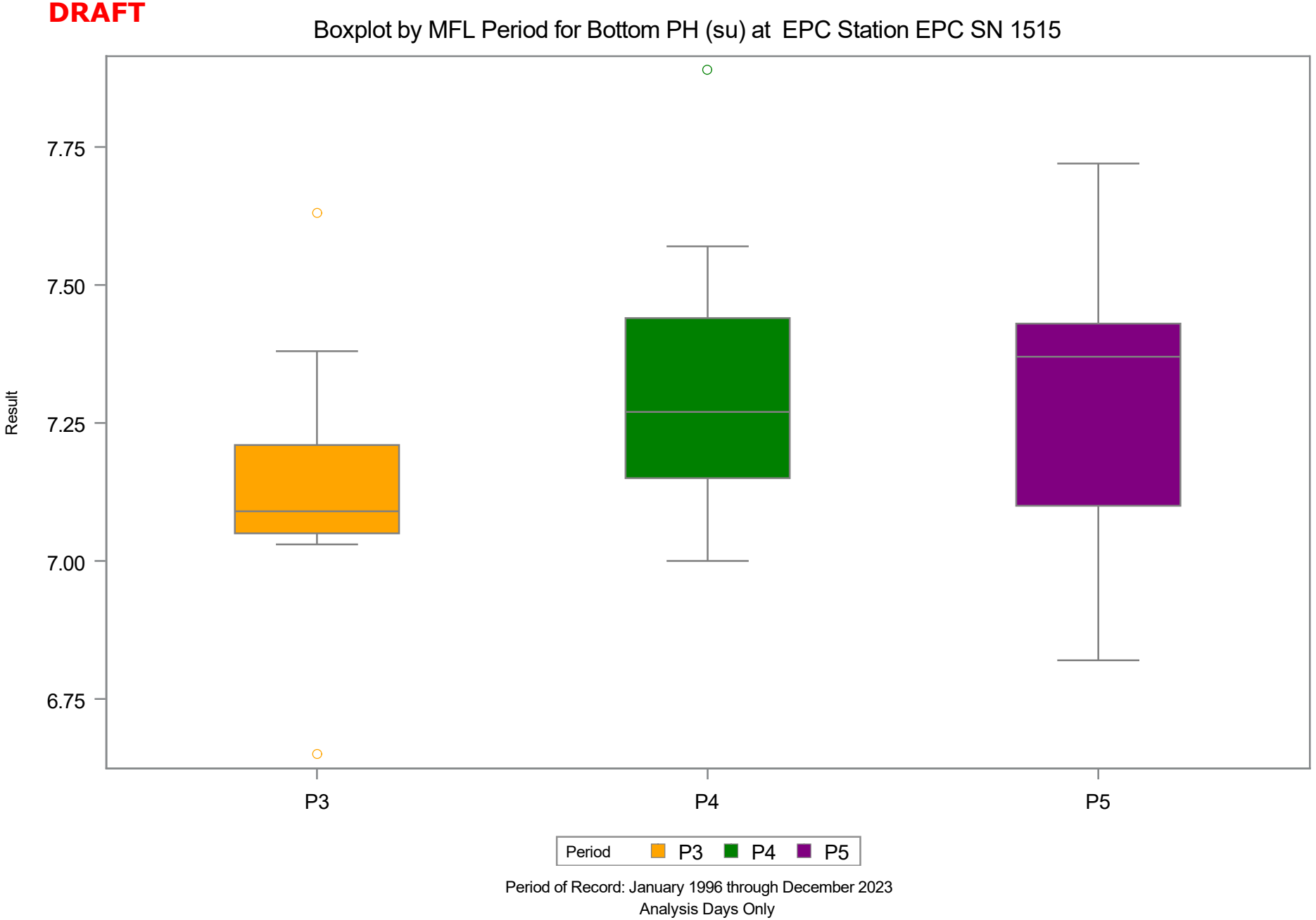
Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 1515

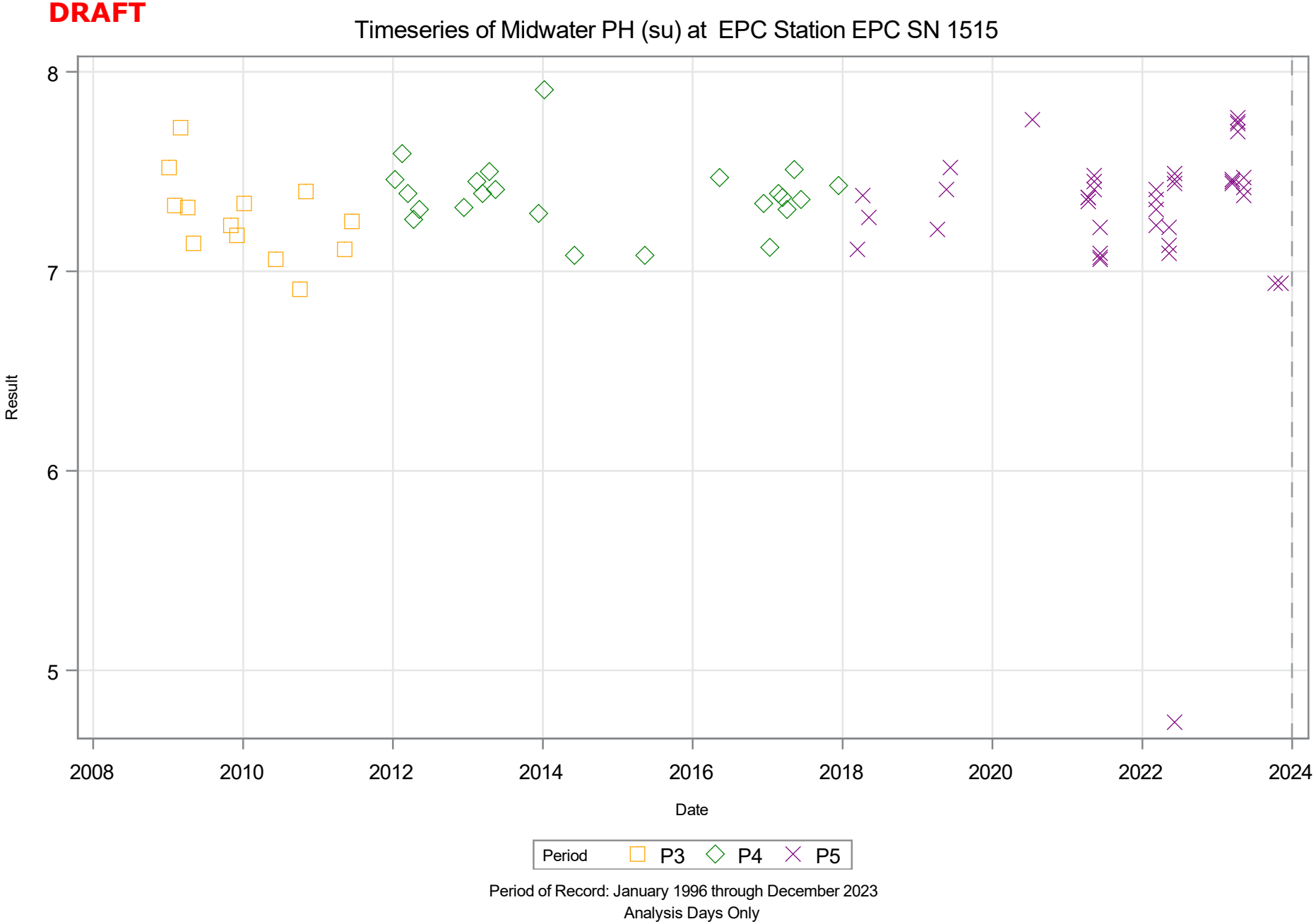
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	11	6.65	7.05	7.14	7.09	7.21	7.63
P4	23	7.00	7.15	7.30	7.27	7.44	7.89
P5	17	6.82	7.10	7.29	7.37	7.43	7.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 1515
Result
7.75
7.50
7.25
7.00
6.75
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

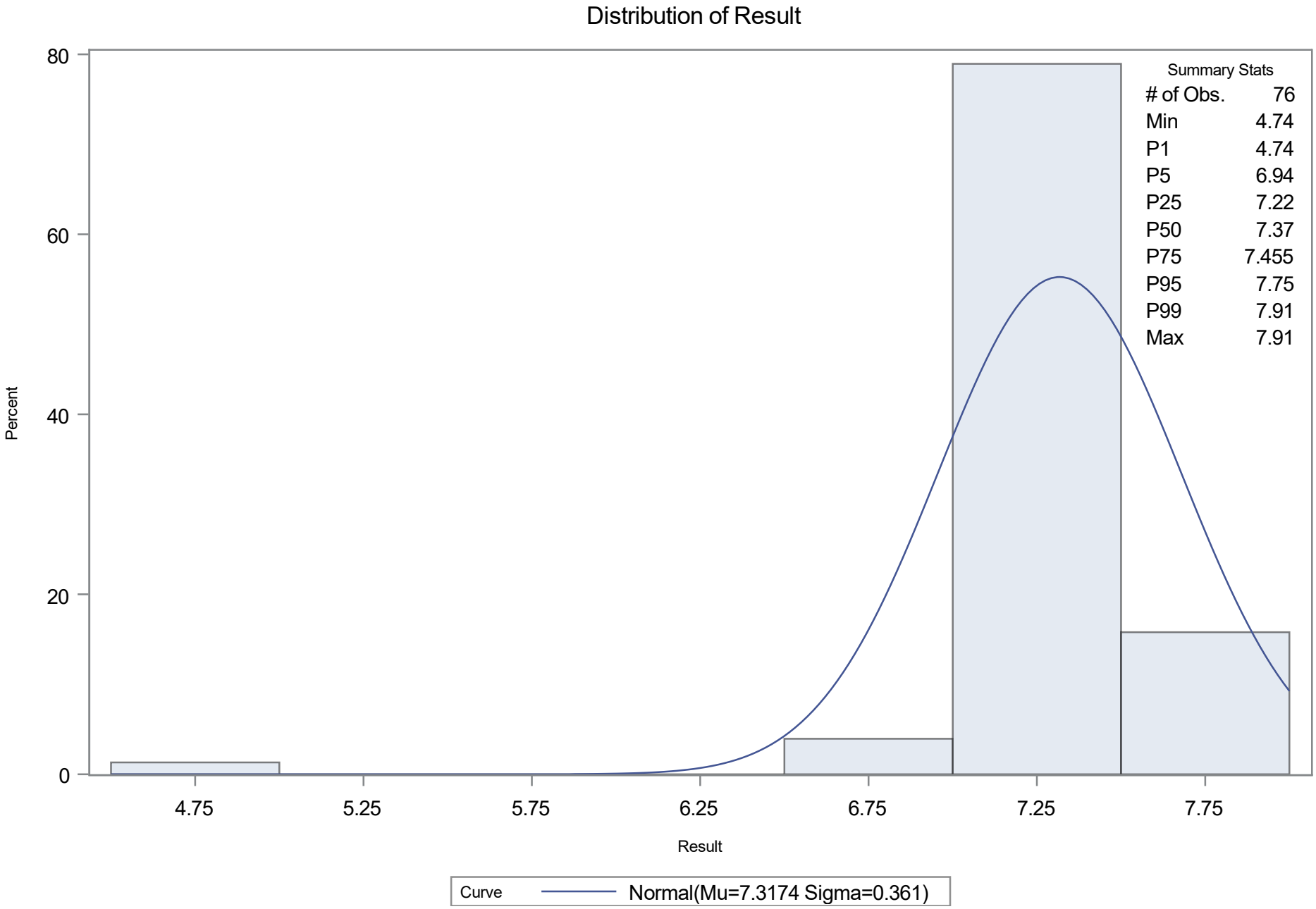
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.317368
Std Dev	Sigma	0.360974

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18529655	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.90229950	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.43866479	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.74000	6.47762
5.0	6.94000	6.72362
10.0	7.08000	6.85476
25.0	7.22000	7.07390
50.0	7.37000	7.31737
75.0	7.45500	7.56084
90.0	7.59000	7.77998
95.0	7.75000	7.91112
99.0	7.91000	8.15712

Period of Record: January 1996 through December 2023
Analysis Days Only

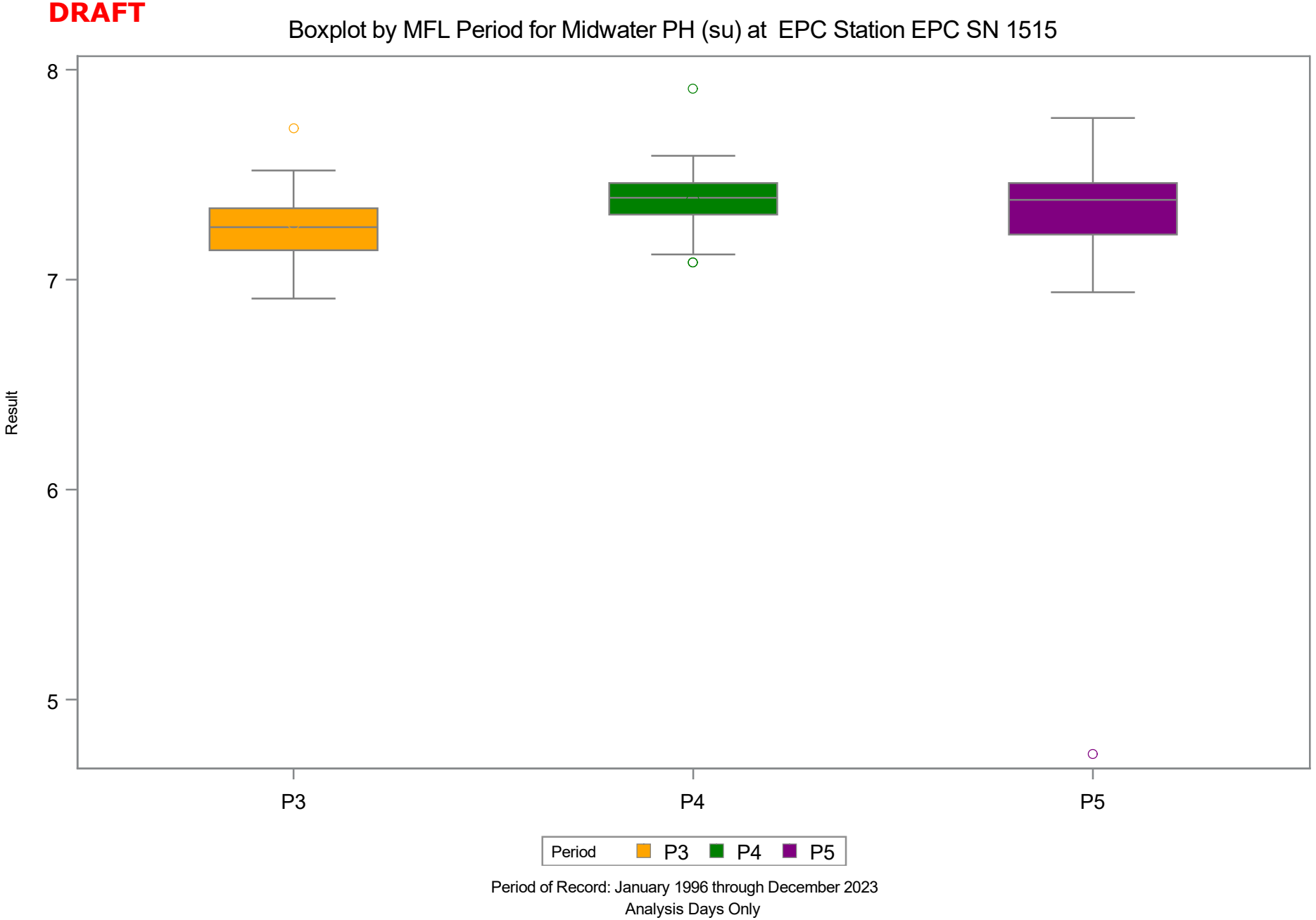
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 1515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	6.91	7.14	7.27	7.25	7.34	7.72
P4	23	7.08	7.31	7.38	7.39	7.46	7.91
P5	40	4.74	7.22	7.30	7.38	7.46	7.77

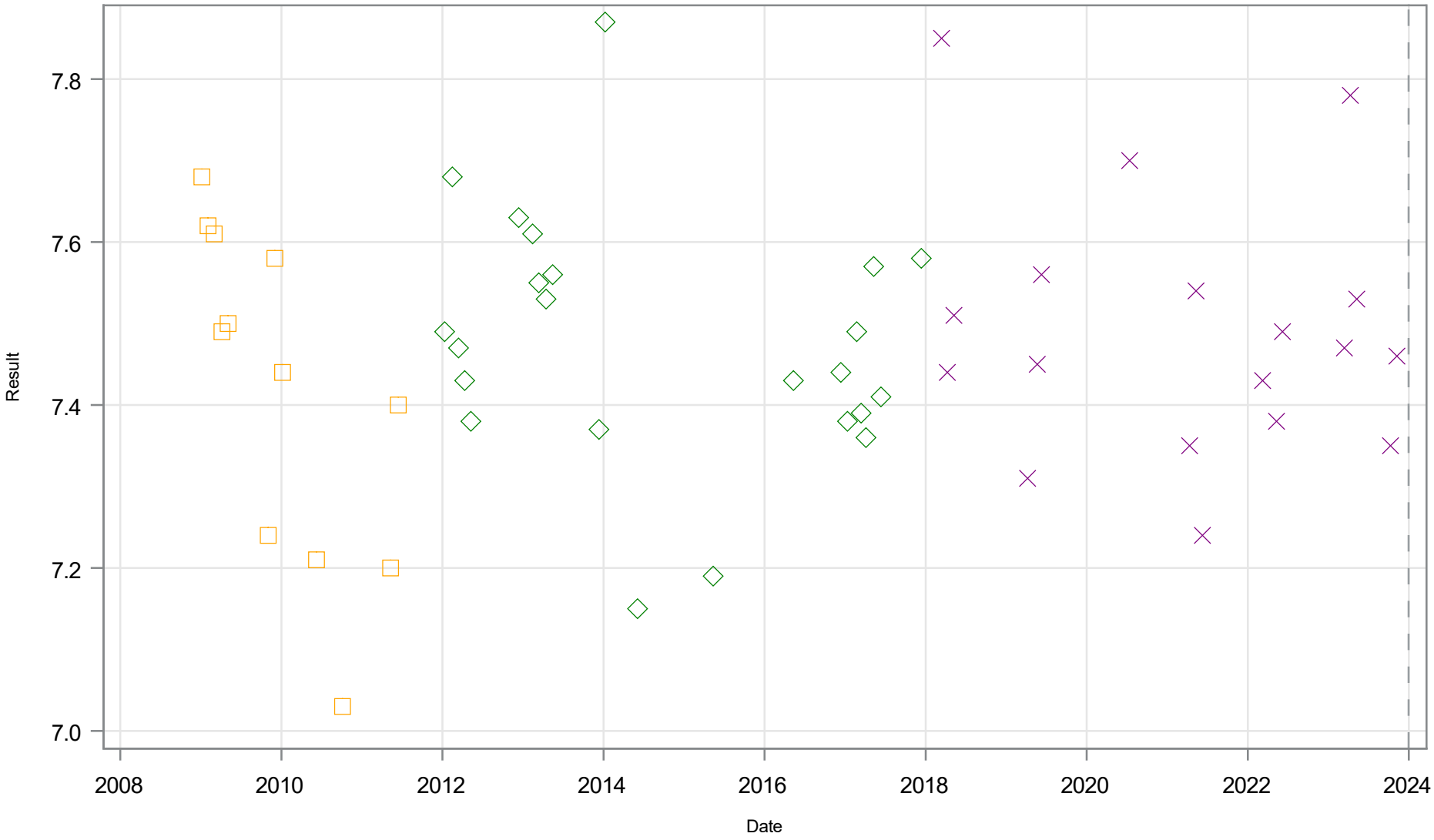
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 1515
Result
8
7
6
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

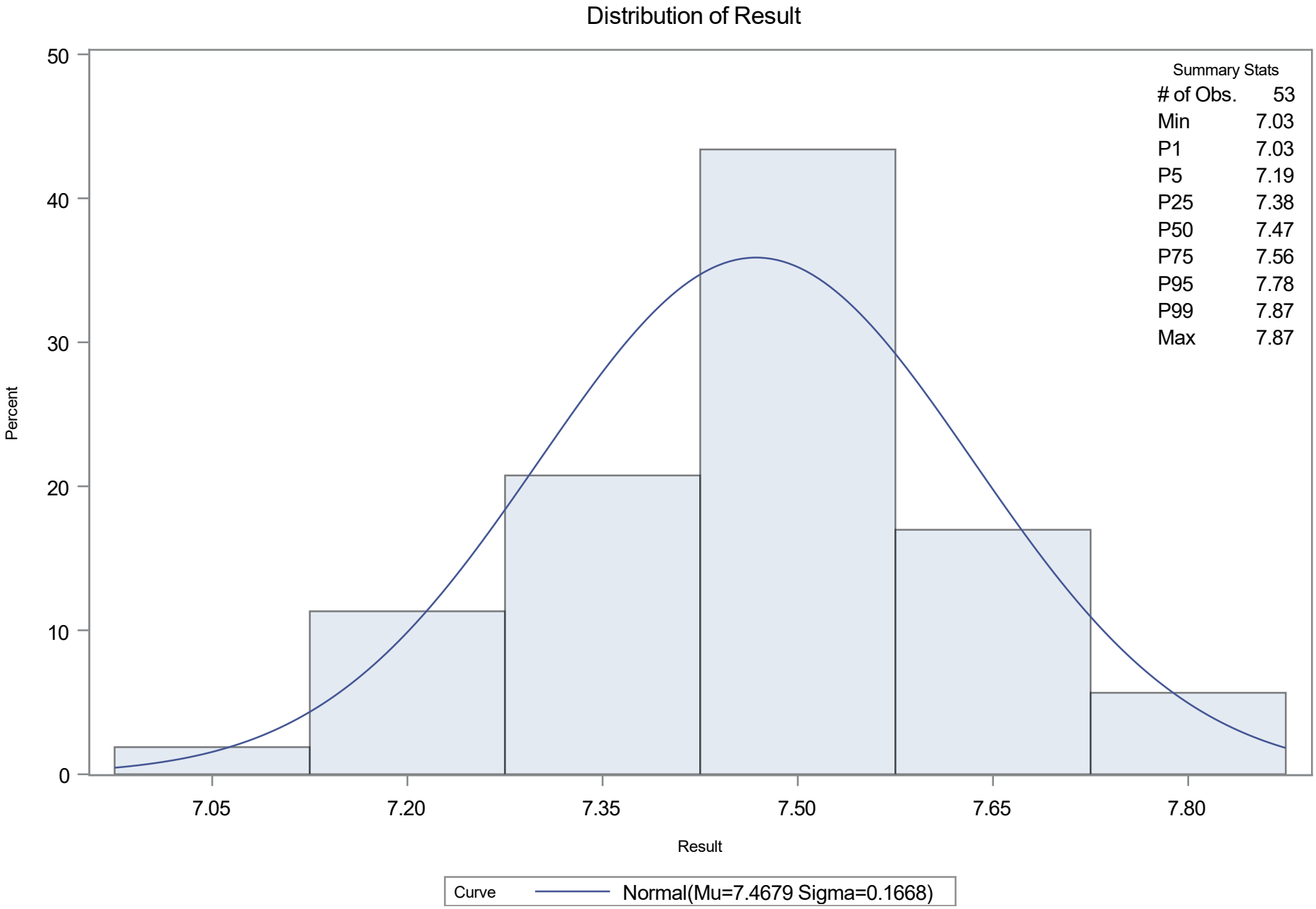
Timeseries of Surface PH (su) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.467925
Std Dev	Sigma	0.166761

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08879356	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05822634	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37053749	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.03000	7.07998
5.0	7.19000	7.19363
10.0	7.24000	7.25421
25.0	7.38000	7.35545
50.0	7.47000	7.46792
75.0	7.56000	7.58040
90.0	7.68000	7.68164
95.0	7.78000	7.74222
99.0	7.87000	7.85587

Period of Record: January 1996 through December 2023
Analysis Days Only

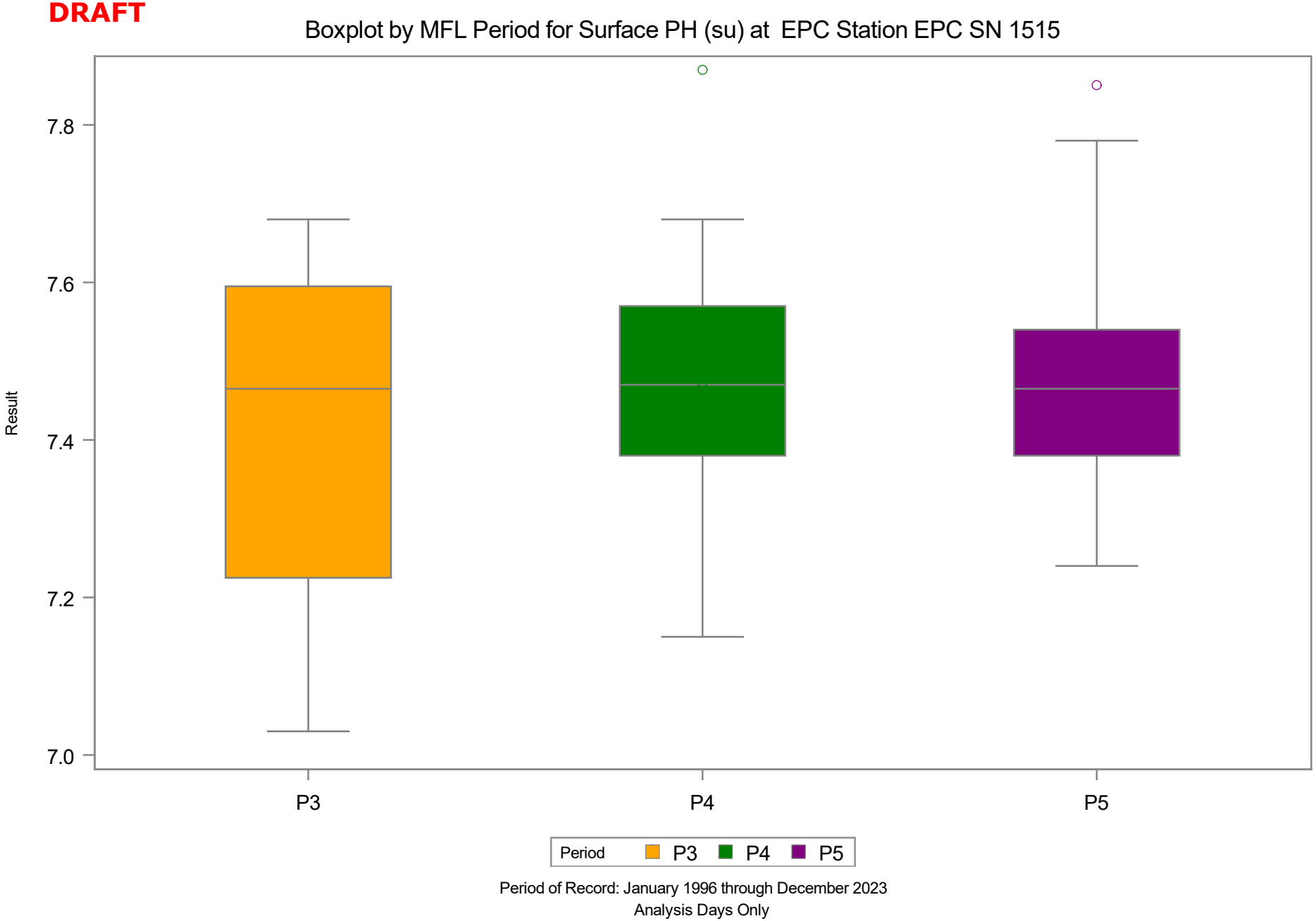
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 1515

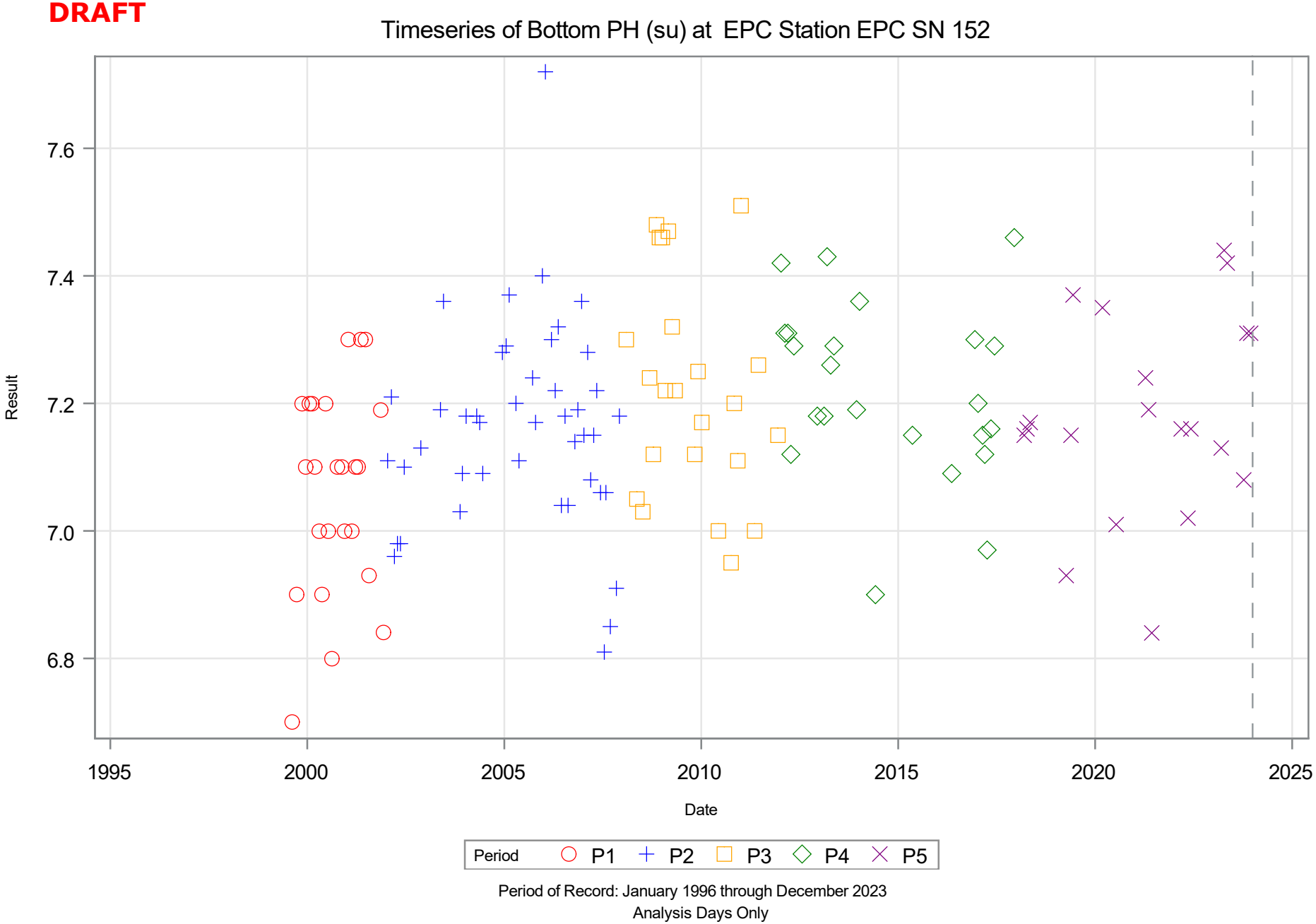
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	12	7.03	7.23	7.42	7.47	7.60	7.68
P4	23	7.15	7.38	7.48	7.47	7.57	7.87
P5	18	7.24	7.38	7.49	7.47	7.54	7.85

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 1515
Result
7.8
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

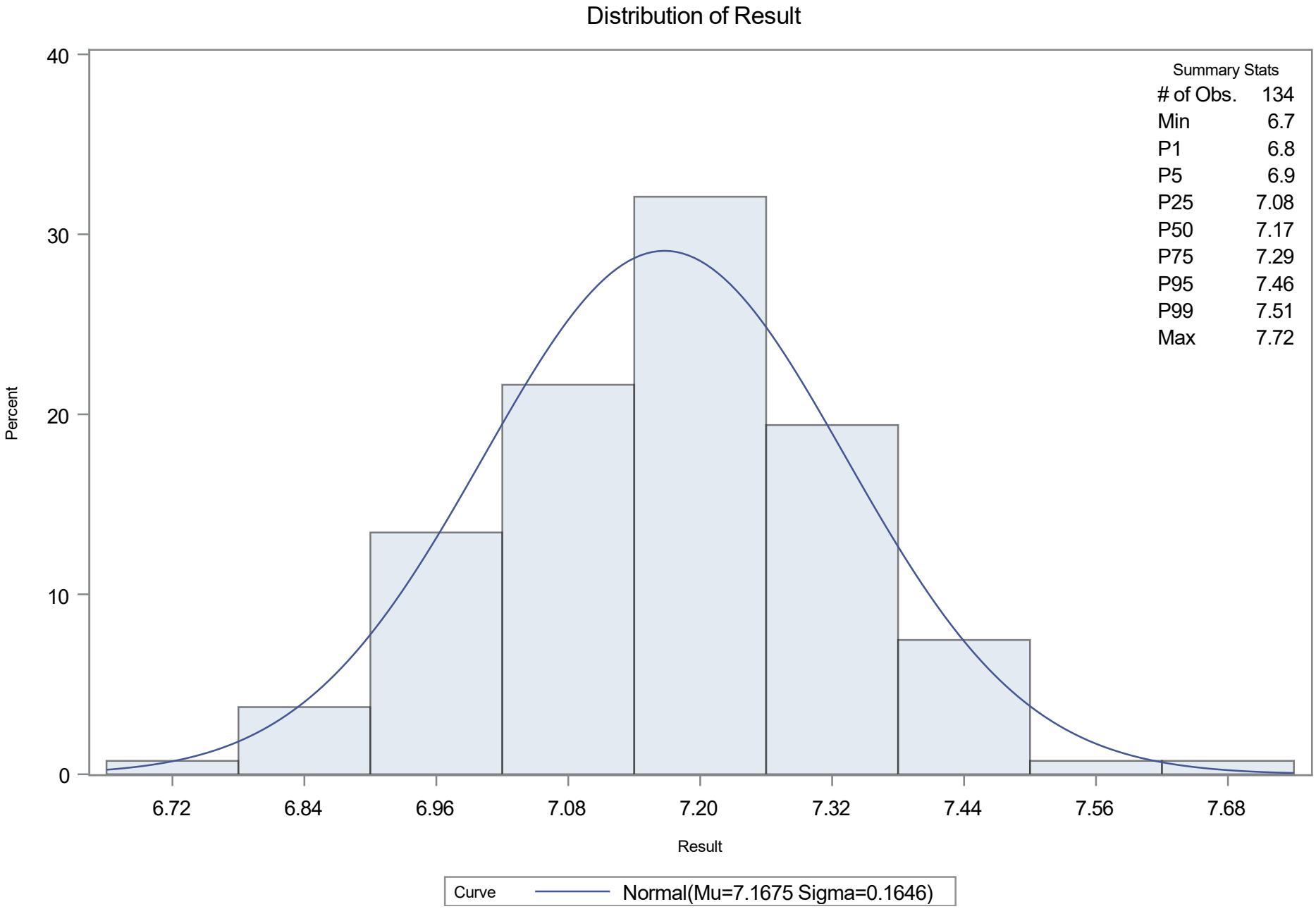
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.167537
Std Dev	Sigma	0.164611

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07108609	**Pr > D**	0.094
Cramer-von Mises	**W-Sq**	0.09063116	**Pr > W-Sq**	0.150
Anderson-Darling	**A-Sq**	0.47845423	**Pr > A-Sq**	0.238

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.80000	6.78459
5.0	6.90000	6.89678
10.0	6.96000	6.95658
25.0	7.08000	7.05651
50.0	7.17000	7.16754
75.0	7.29000	7.27857
90.0	7.37000	7.37850
95.0	7.46000	7.43830
99.0	7.51000	7.55048

Period of Record: January 1996 through December 2023
Analysis Days Only

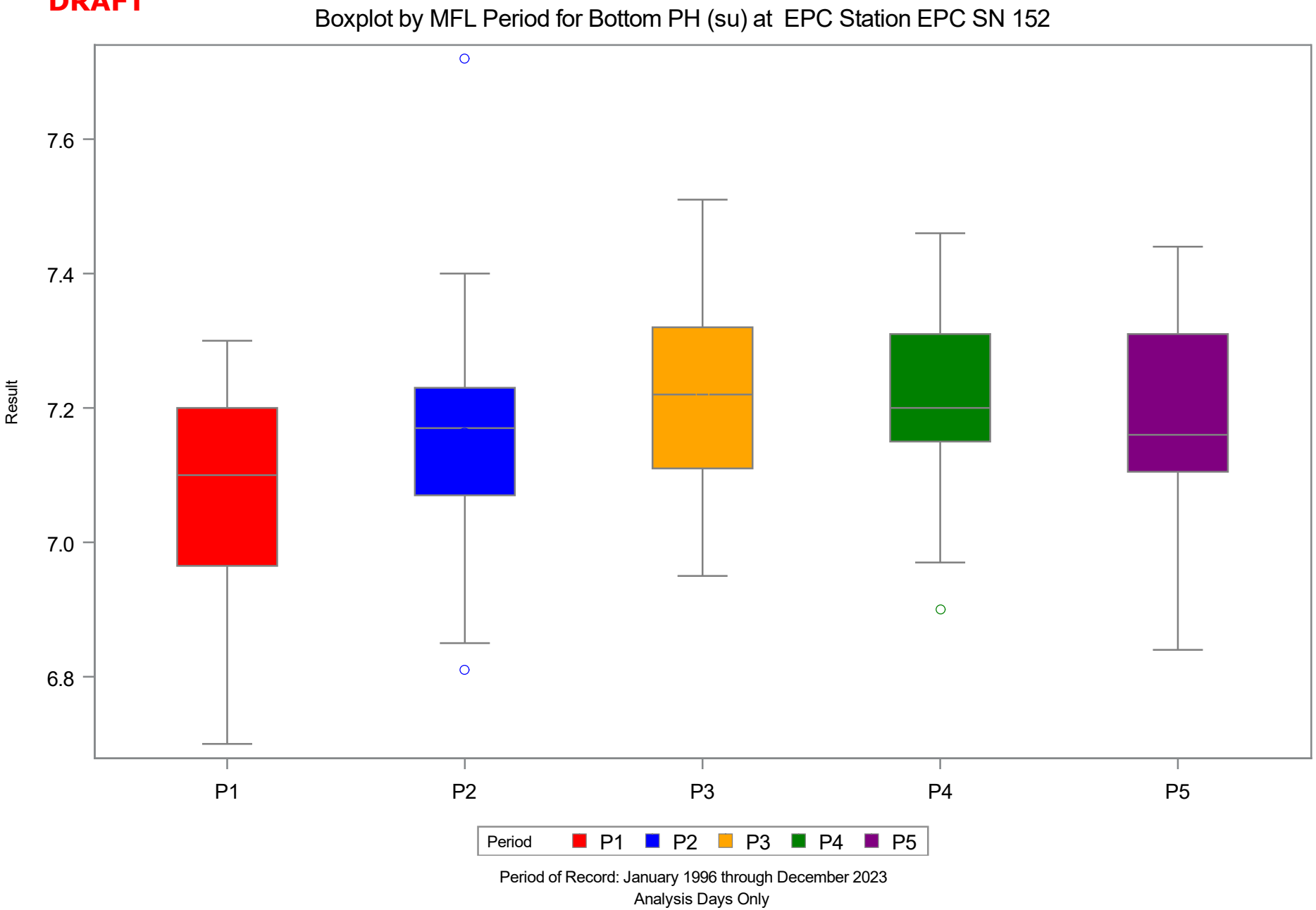
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 152

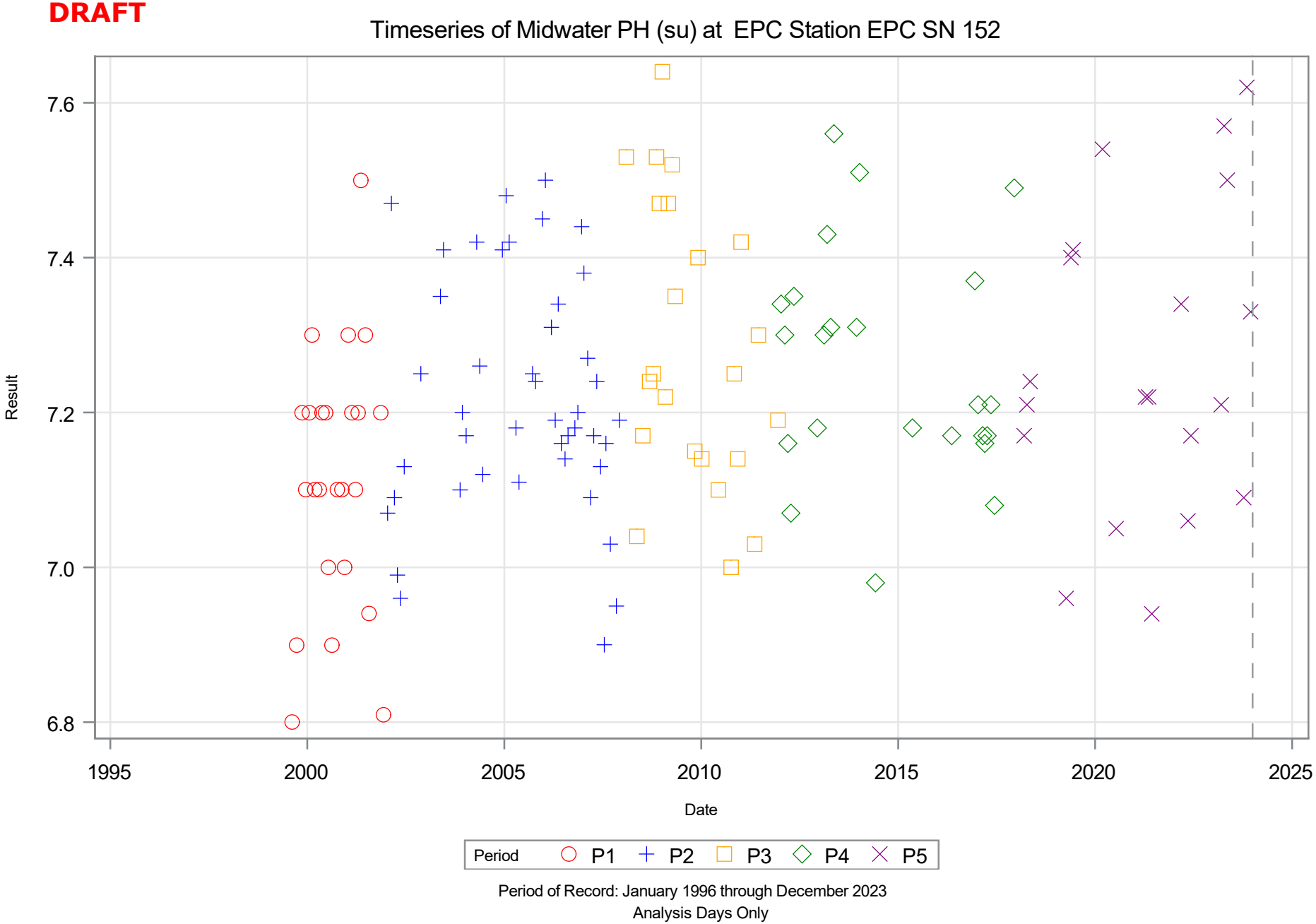
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	6.70	6.97	7.07	7.10	7.20	7.30
P2	44	6.81	7.07	7.16	7.17	7.23	7.72
P3	23	6.95	7.11	7.22	7.22	7.32	7.51
P4	23	6.90	7.15	7.22	7.20	7.31	7.46
P5	20	6.84	7.11	7.18	7.16	7.31	7.44

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

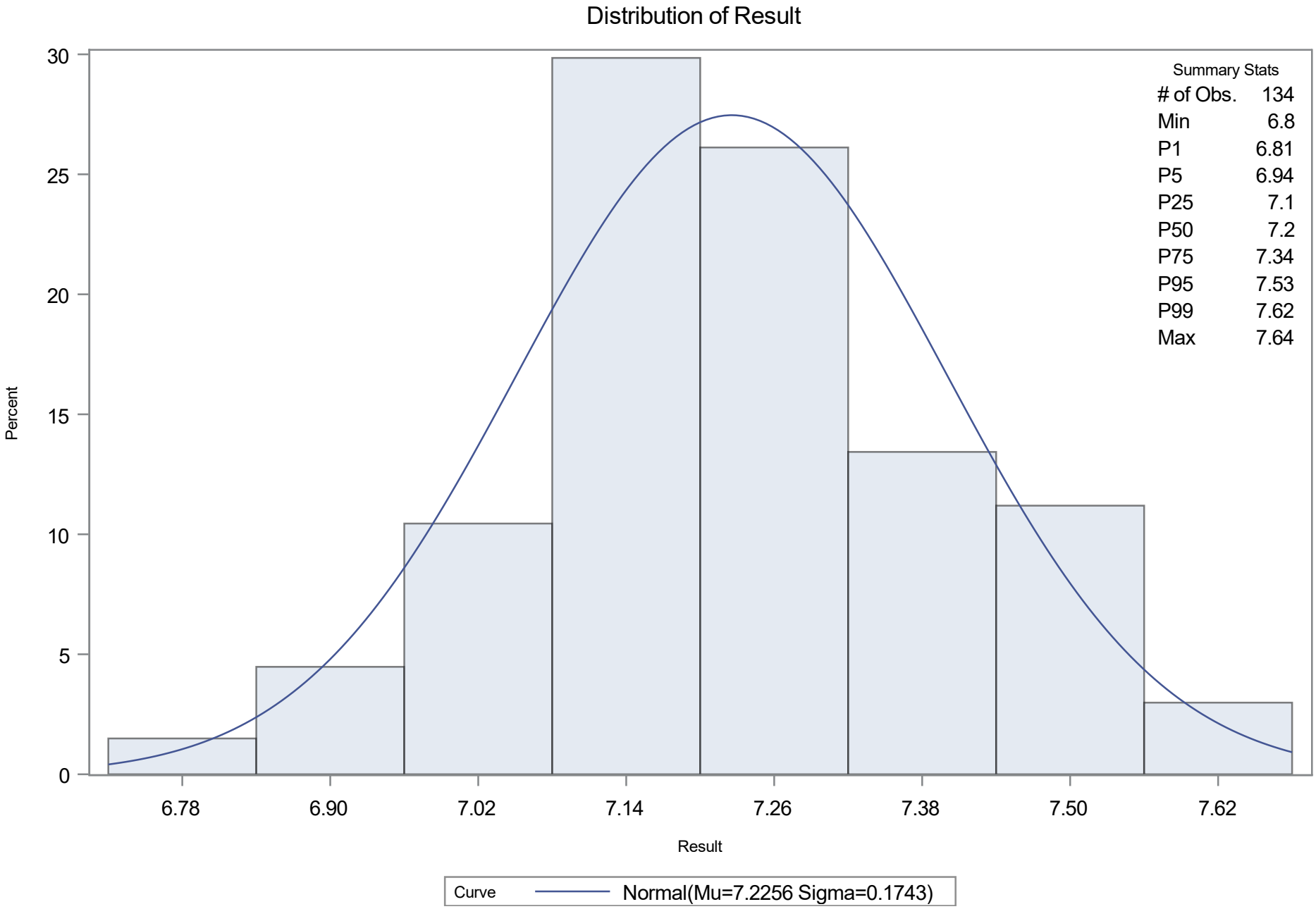

Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 152
Result
7.6
7.4
7.2
7.0
6.8
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at EPC Station EPC SN 152
Result
7.6
7.4
7.2
7.0
6.8
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.225597
Std Dev	Sigma	0.174311

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09535057	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.17566258	**Pr > W-Sq**	0.011
Anderson-Darling	**A-Sq**	0.89042276	**Pr > A-Sq**	0.023

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.81000	6.82009
5.0	6.94000	6.93888
10.0	7.00000	7.00221
25.0	7.10000	7.10803
50.0	7.20000	7.22560
75.0	7.34000	7.34317
90.0	7.48000	7.44899
95.0	7.53000	7.51231
99.0	7.62000	7.63110

Period of Record: January 1996 through December 2023
Analysis Days Only

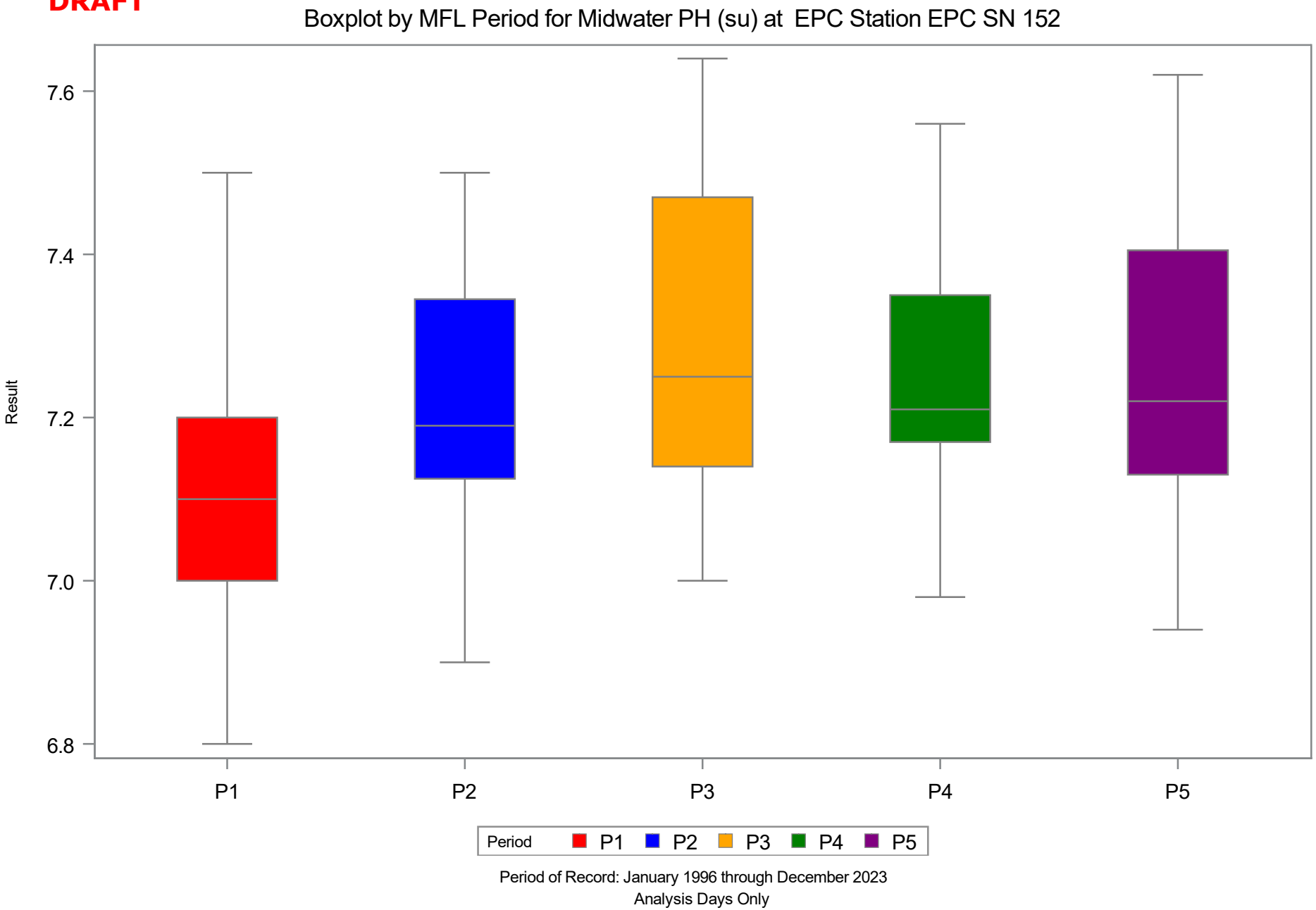
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 152

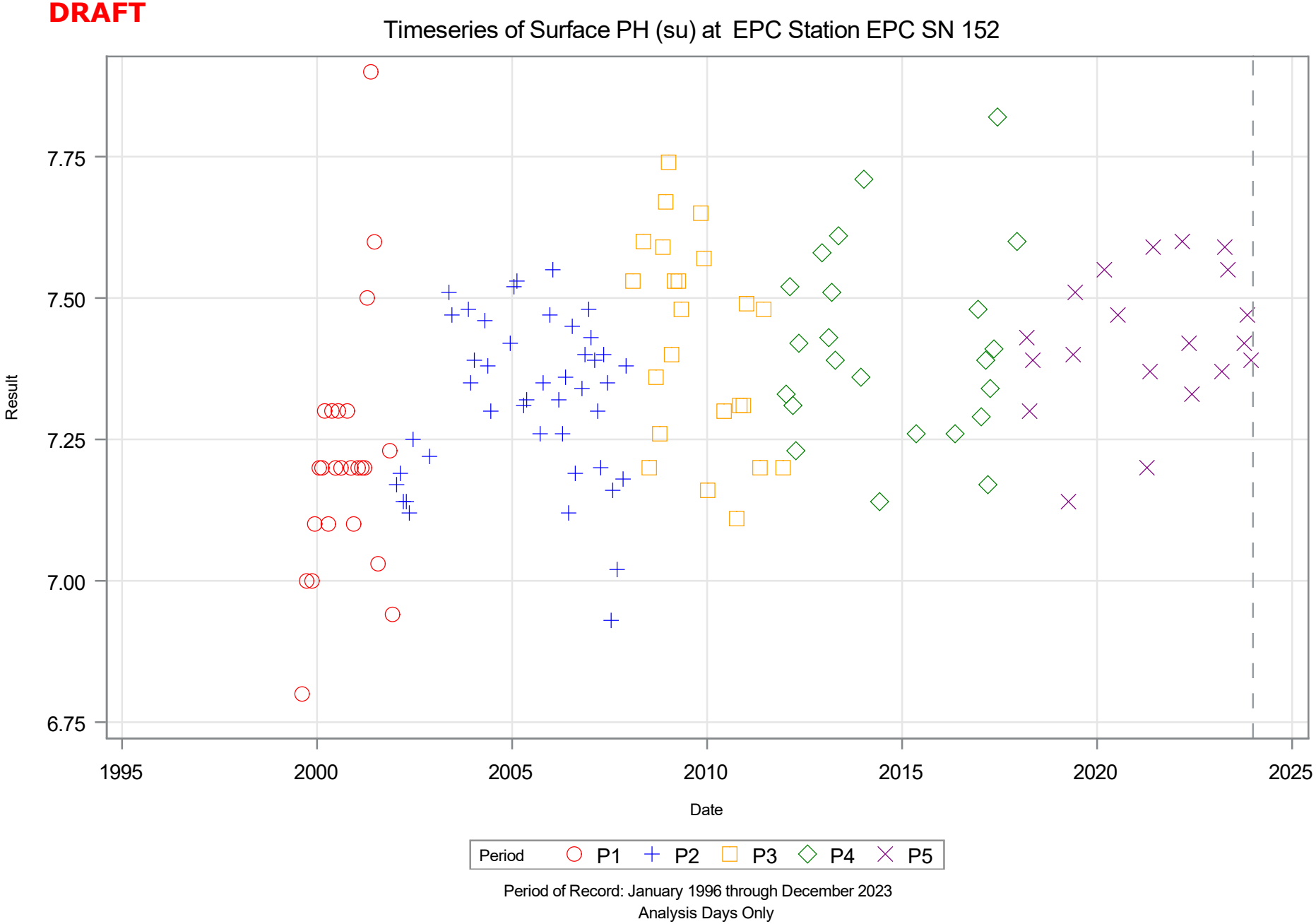
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	6.80	7.00	7.11	7.10	7.20	7.50
P2	44	6.90	7.13	7.22	7.19	7.35	7.50
P3	23	7.00	7.14	7.28	7.25	7.47	7.64
P4	23	6.98	7.17	7.26	7.21	7.35	7.56
P5	20	6.94	7.13	7.26	7.22	7.41	7.62

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

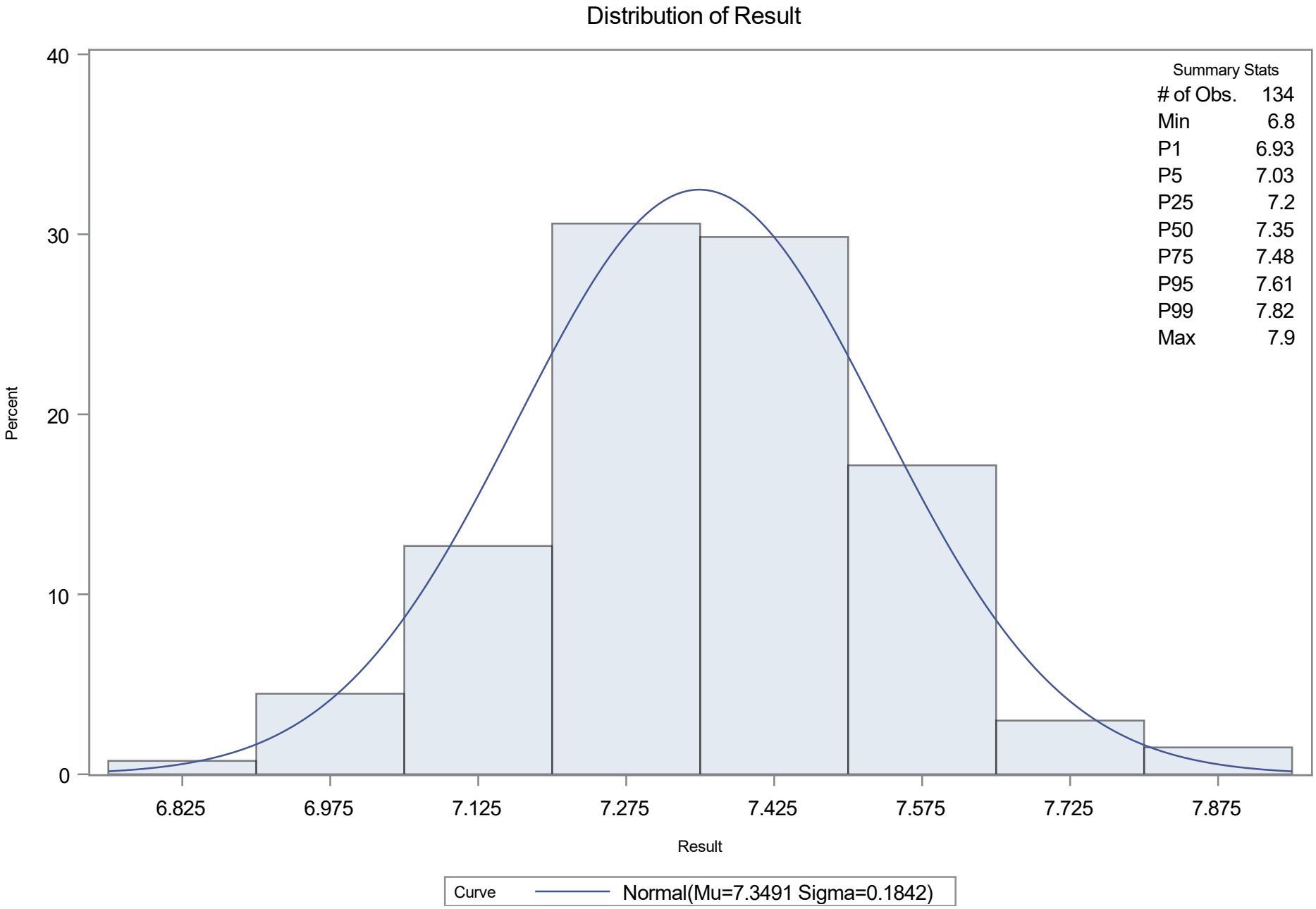

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 152
Result
7.6
7.4
7.2
7.0
6.8
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 152
Result
7.75
7.50
7.25
7.00
6.75
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.349104
Std Dev	Sigma	0.184221

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06697006	**Pr > D**	0.145
Cramer-von Mises	**W-Sq**	0.04375821	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31040889	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.93000	6.92054
5.0	7.03000	7.04609
10.0	7.14000	7.11302
25.0	7.20000	7.22485
50.0	7.35000	7.34910
75.0	7.48000	7.47336
90.0	7.59000	7.58519
95.0	7.61000	7.65212
99.0	7.82000	7.77767

Period of Record: January 1996 through December 2023
Analysis Days Only

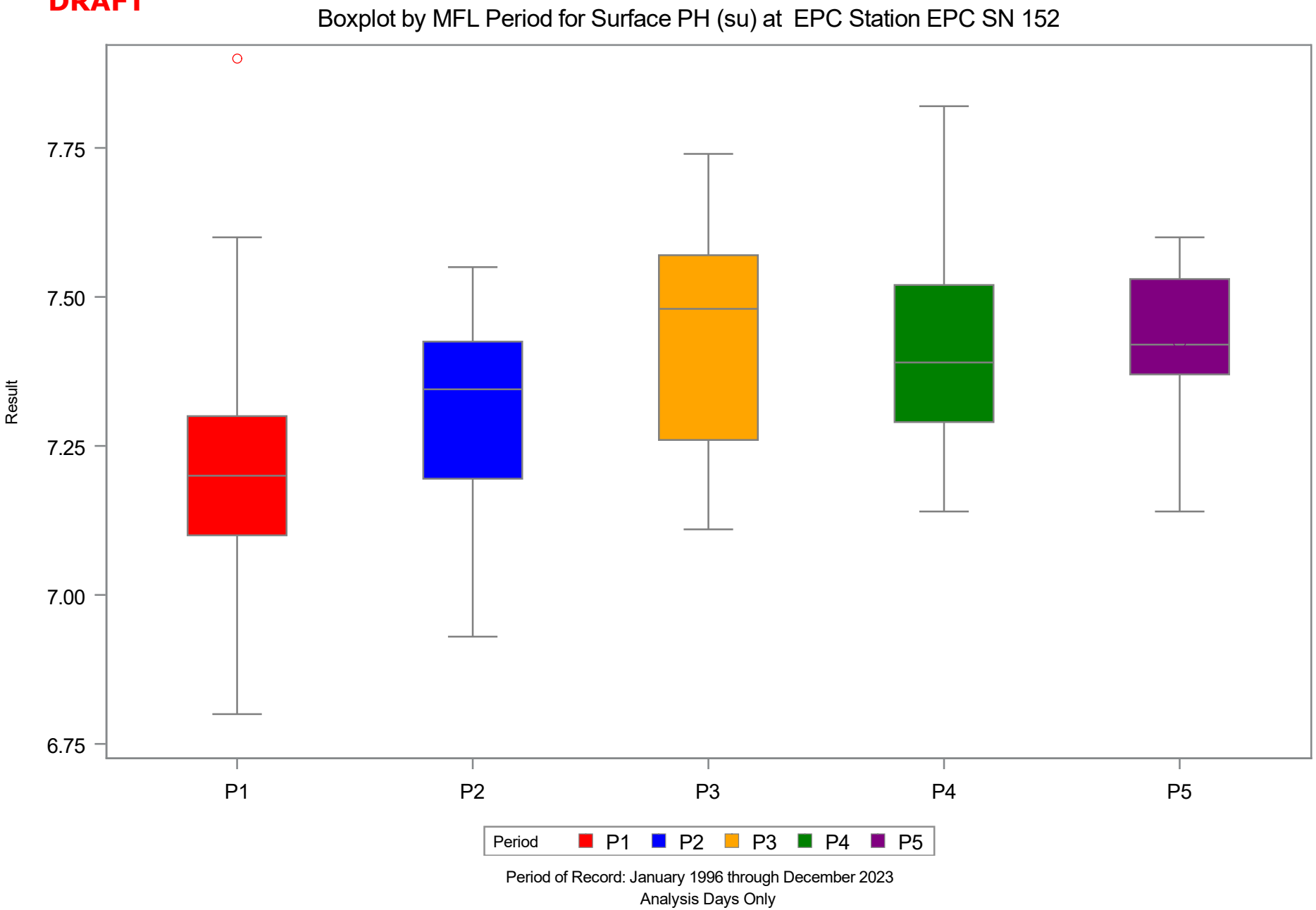
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 152

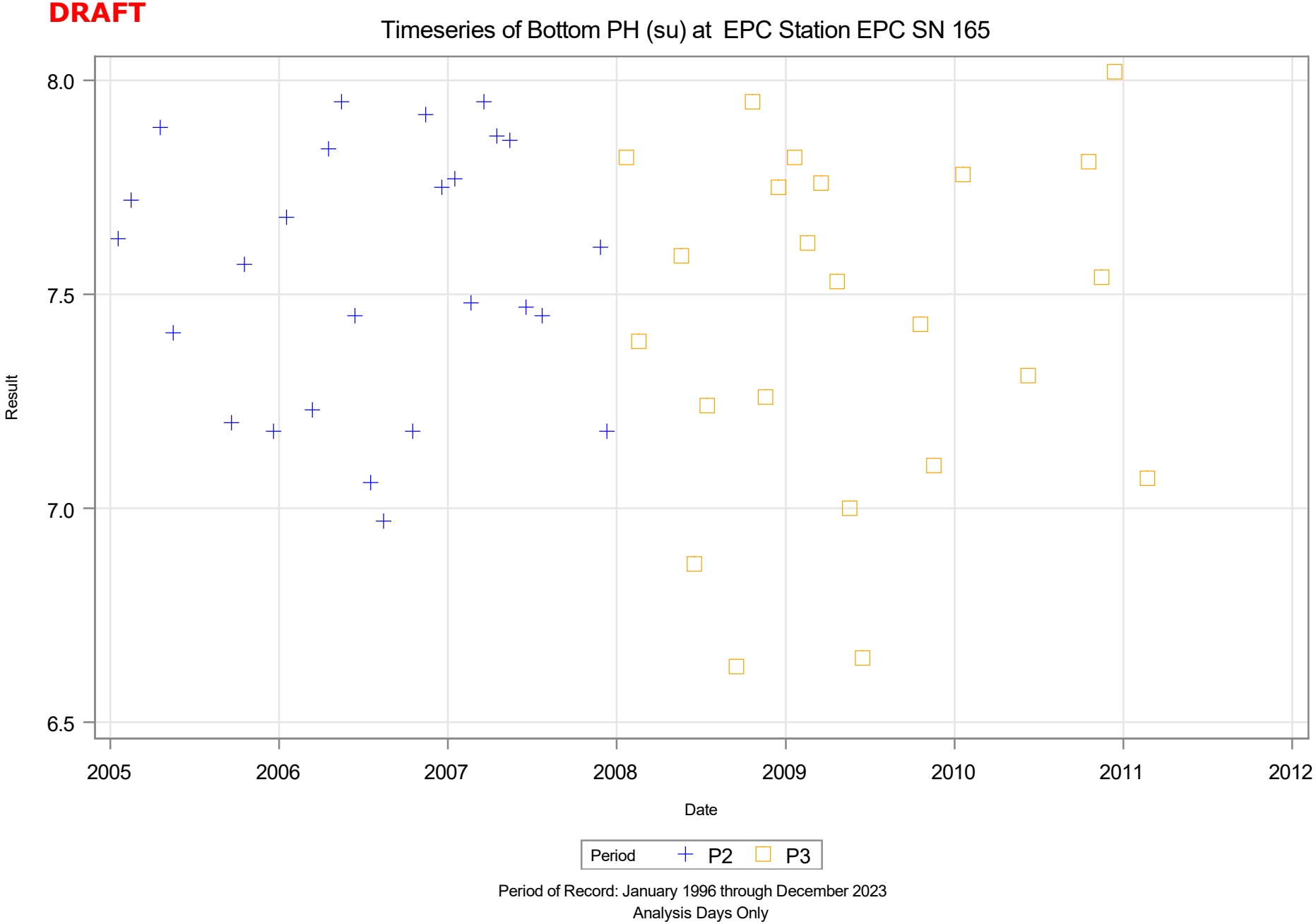
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	6.80	7.10	7.21	7.20	7.30	7.90
P2	44	6.93	7.20	7.32	7.35	7.43	7.55
P3	23	7.11	7.26	7.42	7.48	7.57	7.74
P4	23	7.14	7.29	7.42	7.39	7.52	7.82
P5	20	7.14	7.37	7.42	7.42	7.53	7.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

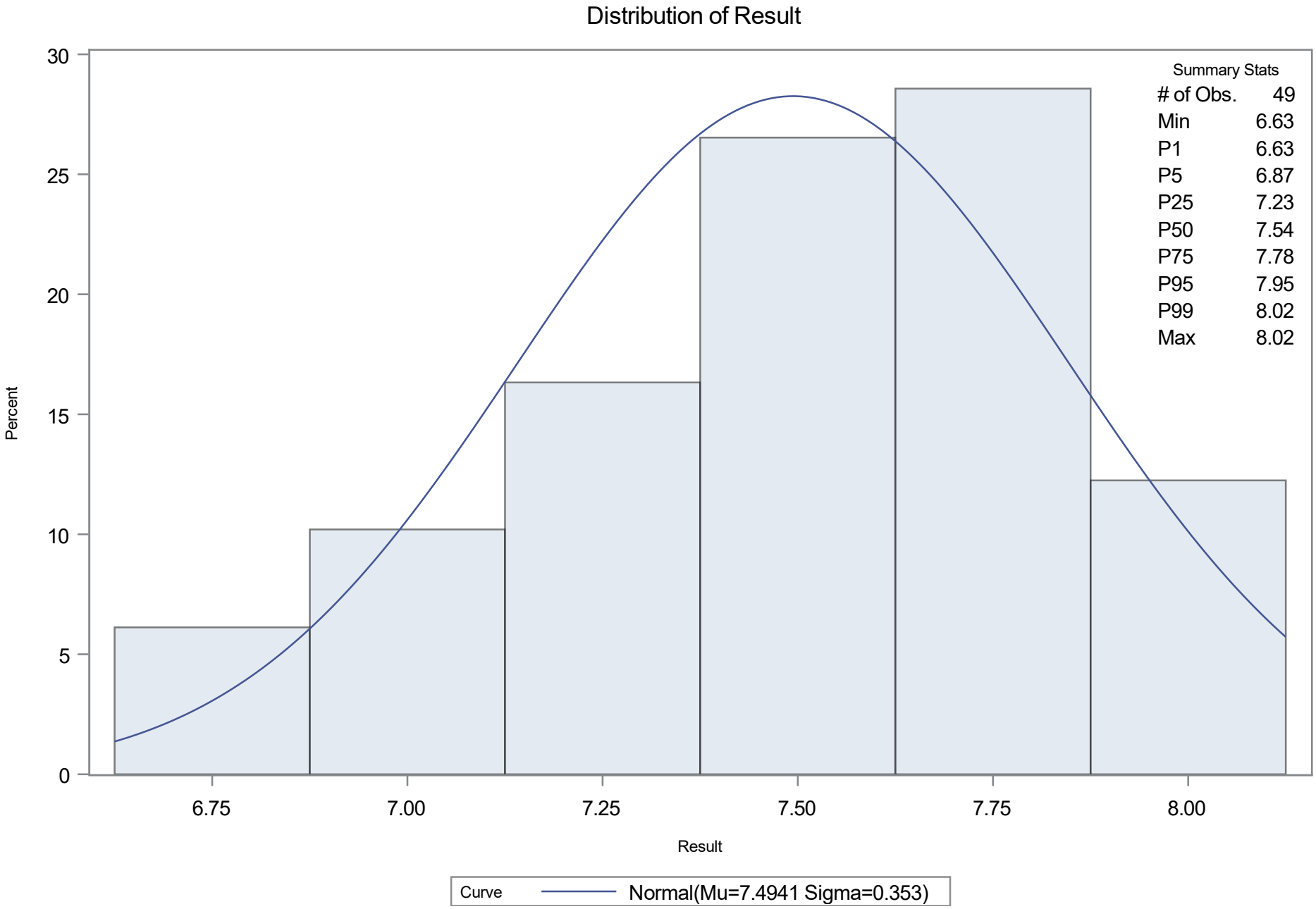

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 152
Result
7.75
7.50
7.25
7.00
6.75
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 165
8.0
7.5
7.0
6.5
Result
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.494082
Std Dev	Sigma	0.352957

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11273393	**Pr > D**	0.120
Cramer-von Mises	**W-Sq**	0.10655752	**Pr > W-Sq**	0.092
Anderson-Darling	**A-Sq**	0.70504997	**Pr > A-Sq**	0.065

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.63000	6.67298
5.0	6.87000	6.91352
10.0	7.00000	7.04175
25.0	7.23000	7.25602
50.0	7.54000	7.49408
75.0	7.78000	7.73215
90.0	7.92000	7.94641
95.0	7.95000	8.07464
99.0	8.02000	8.31518

Period of Record: January 1996 through December 2023
Analysis Days Only

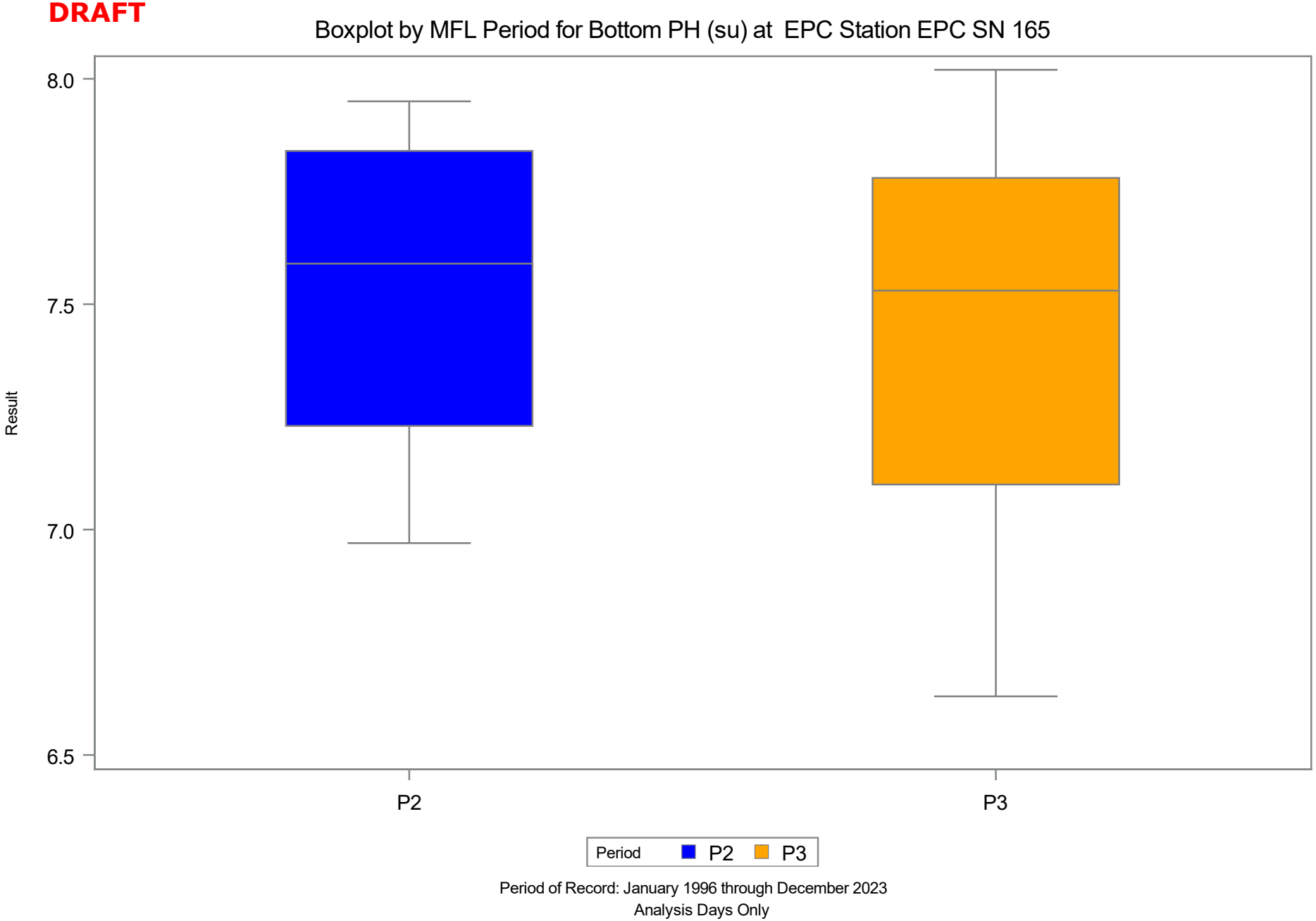
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 165

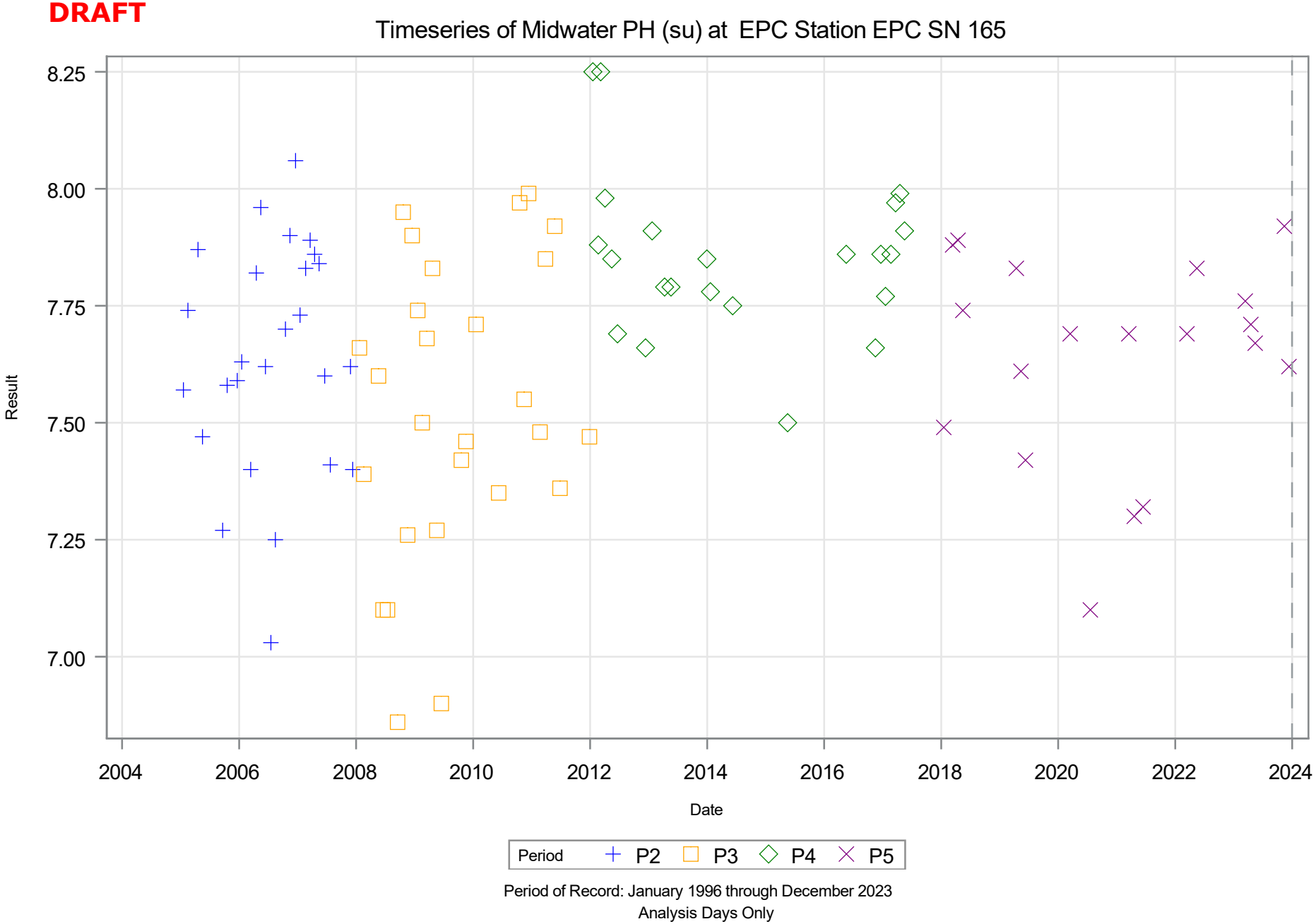
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	6.97	7.23	7.55	7.59	7.84	7.95
P3	23	6.63	7.10	7.43	7.53	7.78	8.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

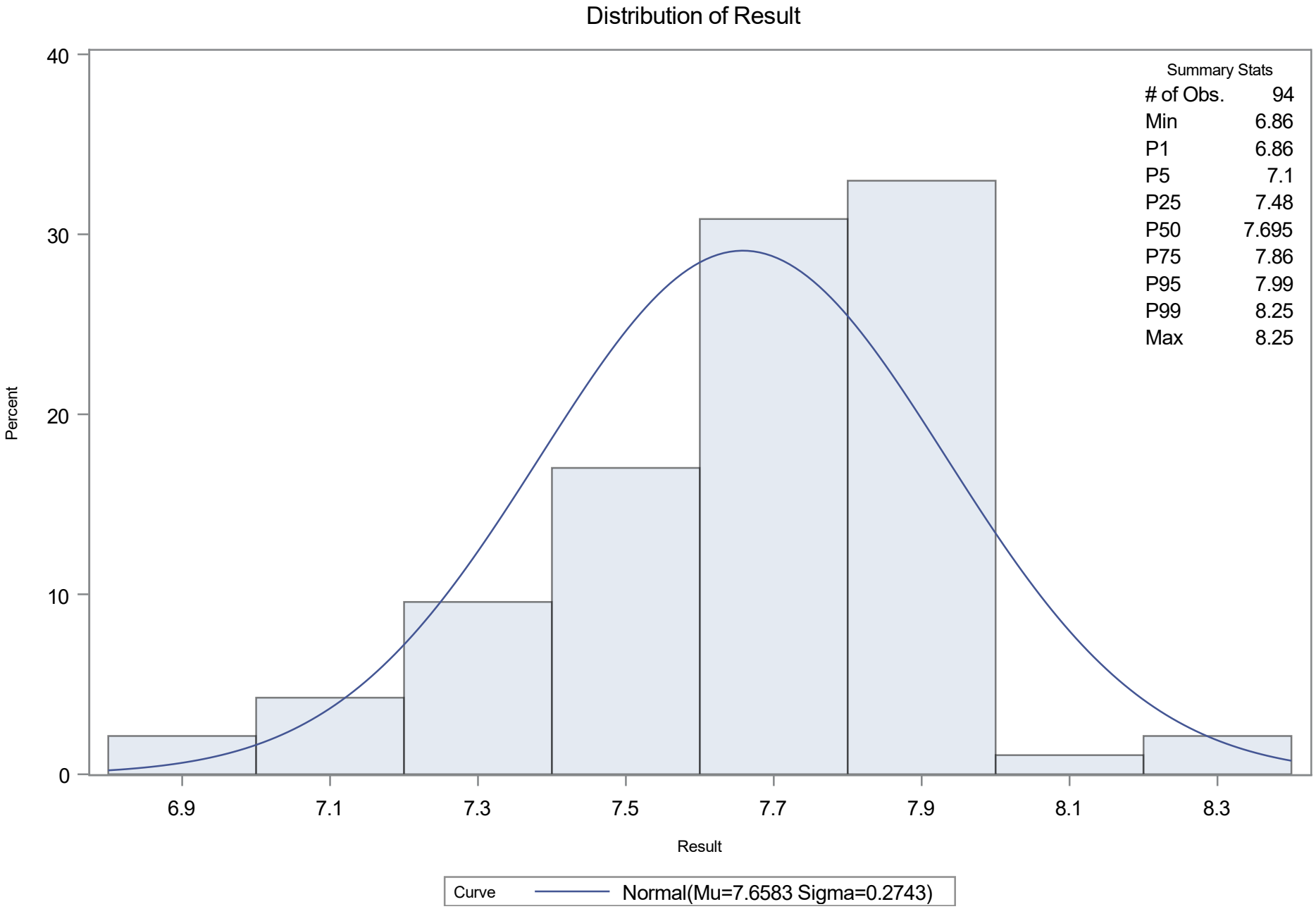

Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 165
8.0
7.5
7.0
6.5
Result
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at EPC Station EPC SN 165
8.25
8.00
7.75
7.50
7.25
7.00
Result
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.658298
Std Dev	Sigma	0.274272

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09822050	**Pr > D**	0.024
Cramer-von Mises	**W-Sq**	0.22268005	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.33900515	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.86000	7.02025
5.0	7.10000	7.20716
10.0	7.27000	7.30680
25.0	7.48000	7.47330
50.0	7.69500	7.65830
75.0	7.86000	7.84329
90.0	7.95000	8.00979
95.0	7.99000	8.10943
99.0	8.25000	8.29635

Period of Record: January 1996 through December 2023
Analysis Days Only

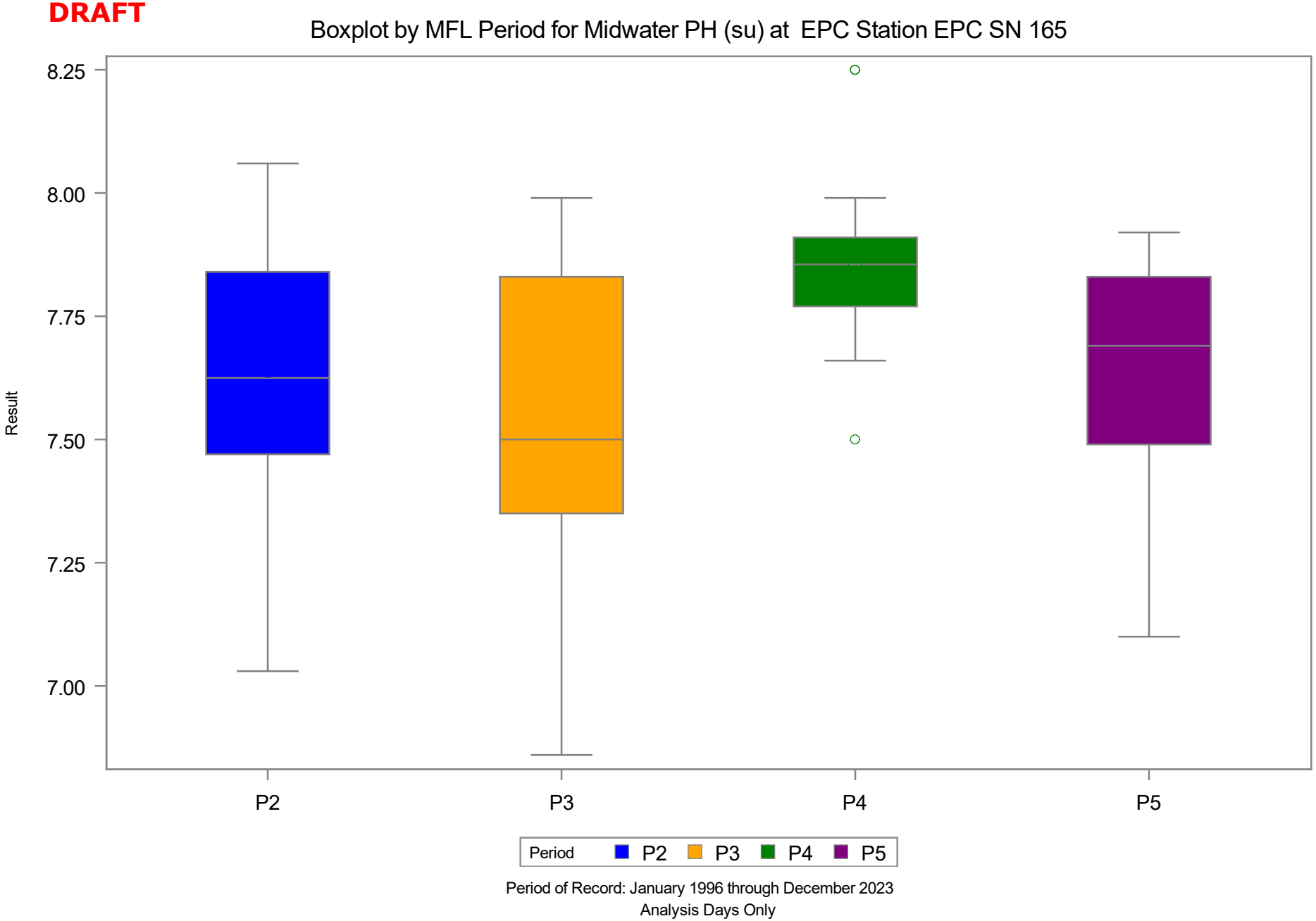
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 165

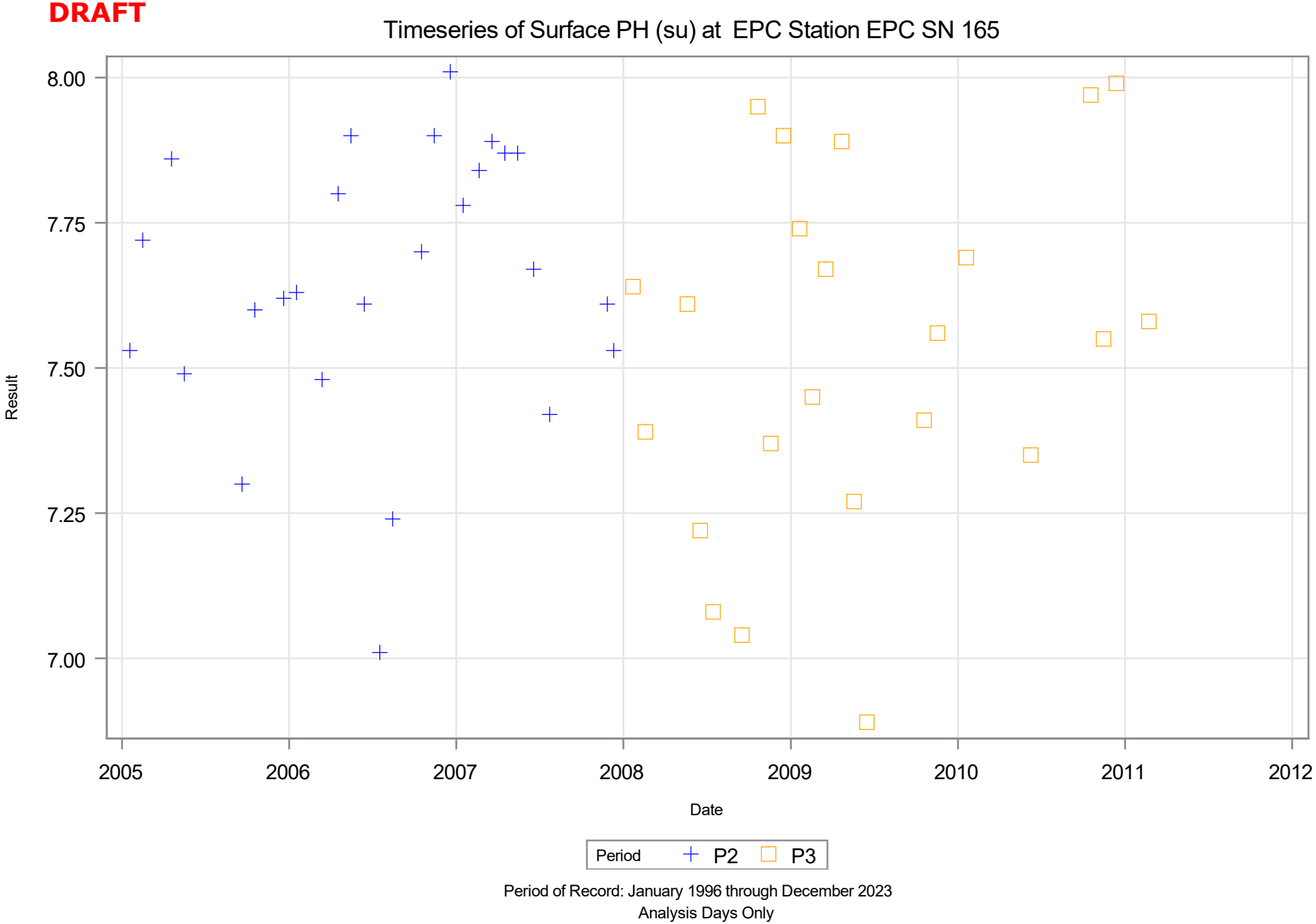
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	7.03	7.47	7.64	7.63	7.84	8.06
P3	27	6.86	7.35	7.53	7.50	7.83	7.99
P4	22	7.50	7.77	7.86	7.86	7.91	8.25
P5	19	7.10	7.49	7.64	7.69	7.83	7.92

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

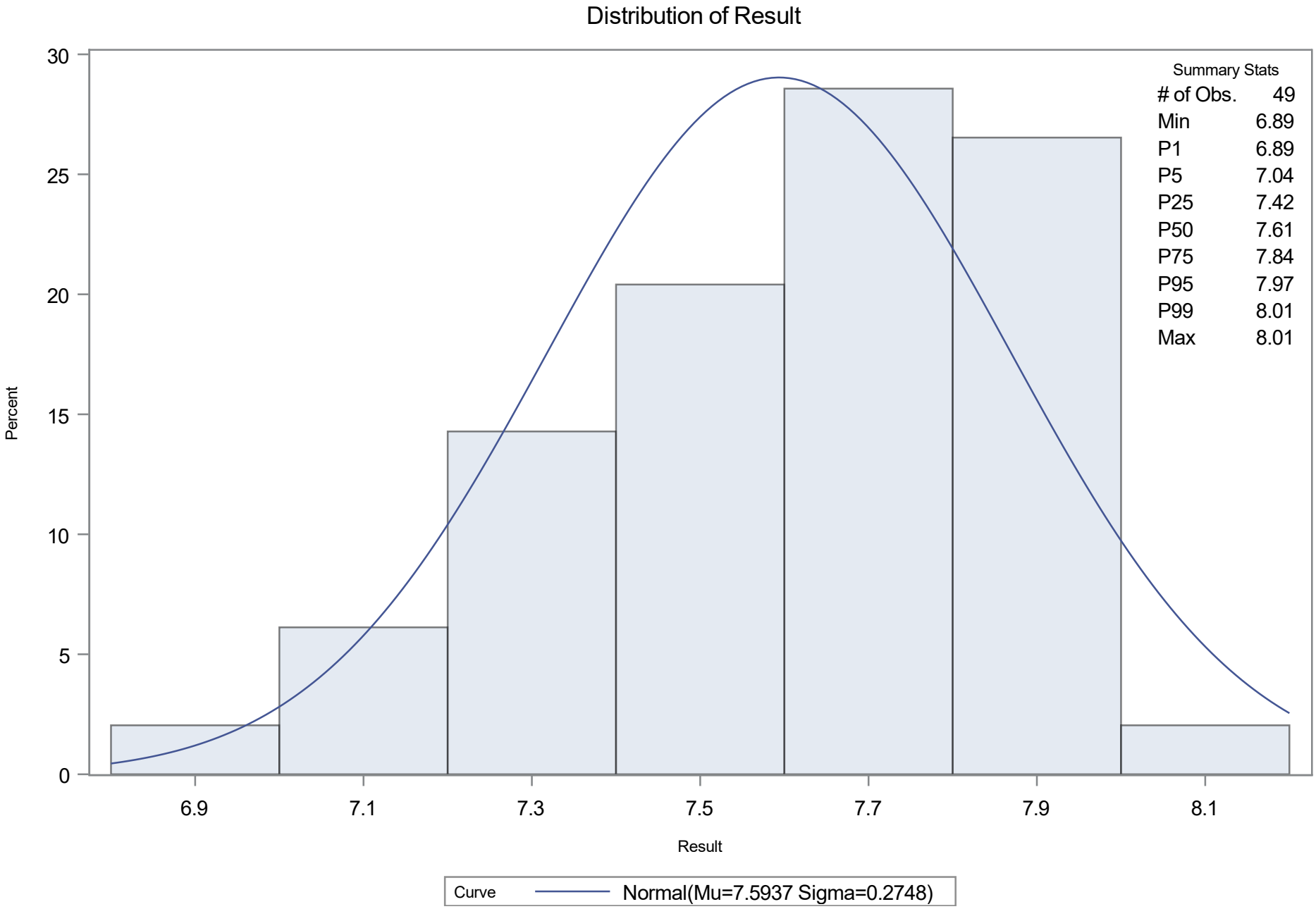

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 165
Result
8.25
8.00
7.75
7.50
7.25
7.00
P2
P3
P4
P5
Period P2 P3 P4 P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 165
8.00
7.75
7.50
7.25
7.00
Result
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.593673
Std Dev	Sigma	0.274801

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08185185	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07036261	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.54425670	**Pr > A-Sq**	0.159

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.89000	6.95439
5.0	7.04000	7.14167
10.0	7.22000	7.24150
25.0	7.42000	7.40832
50.0	7.61000	7.59367
75.0	7.84000	7.77902
90.0	7.90000	7.94584
95.0	7.97000	8.04568
99.0	8.01000	8.23296

Period of Record: January 1996 through December 2023
Analysis Days Only

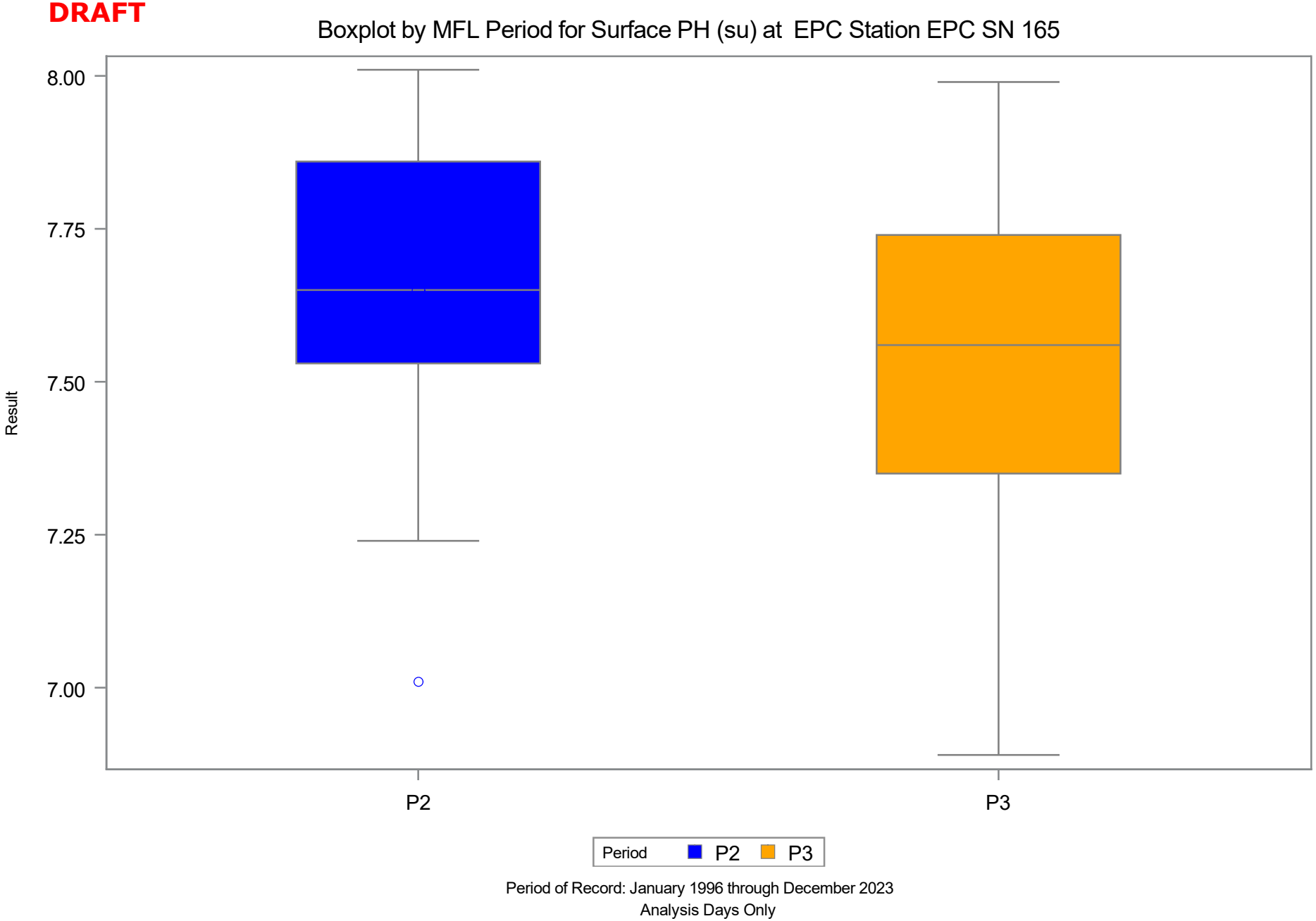
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 165

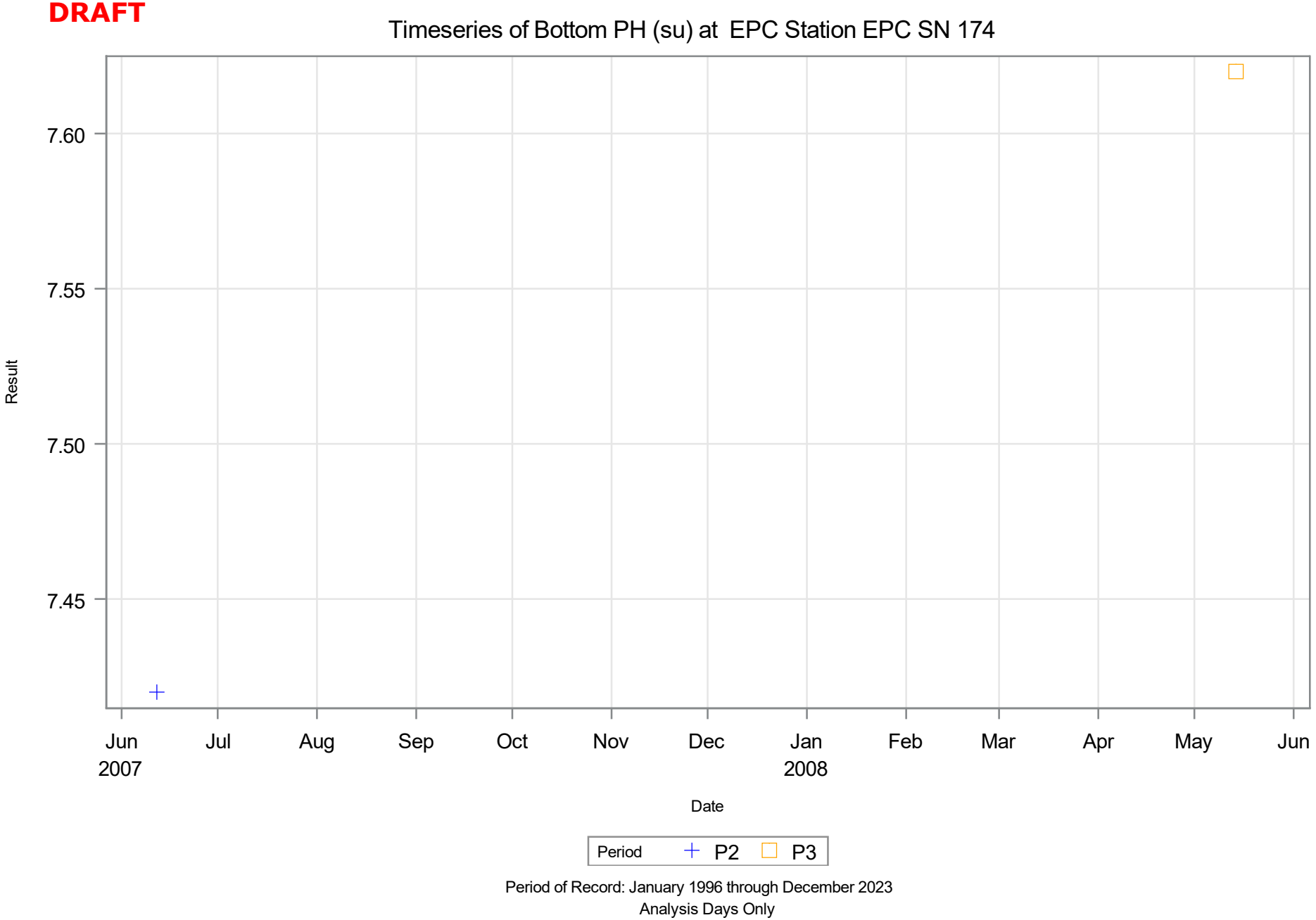
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	7.01	7.53	7.65	7.65	7.86	8.01
P3	23	6.89	7.35	7.53	7.56	7.74	7.99

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 165
8.00
7.75
7.50
7.25
7.00
Result
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

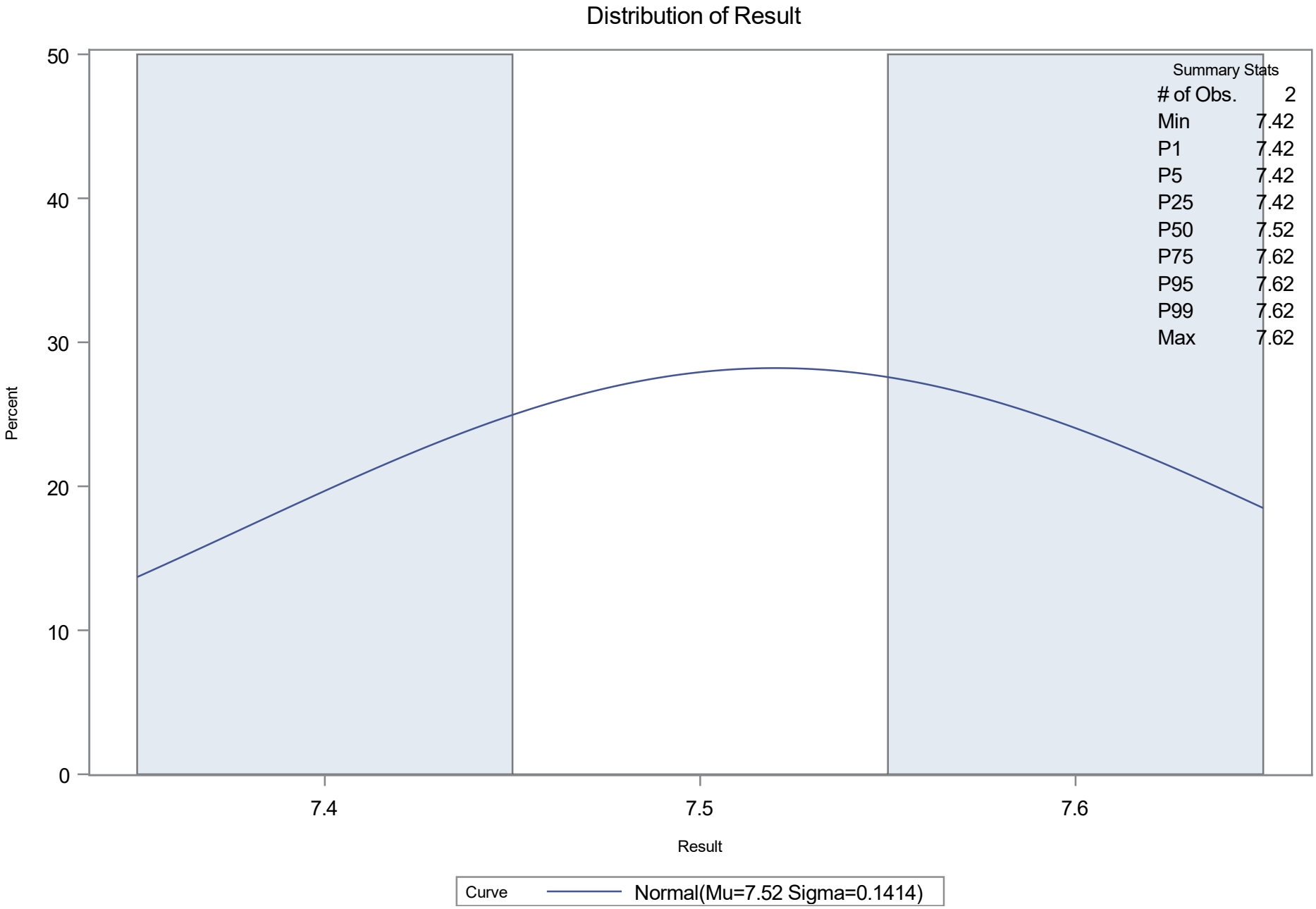
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.52
Std Dev	Sigma	0.141421

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.42000	7.19100
5.0	7.42000	7.28738
10.0	7.42000	7.33876
25.0	7.42000	7.42461
50.0	7.52000	7.52000
75.0	7.62000	7.61539
90.0	7.62000	7.70124
95.0	7.62000	7.75262
99.0	7.62000	7.84900

Period of Record: January 1996 through December 2023
Analysis Days Only

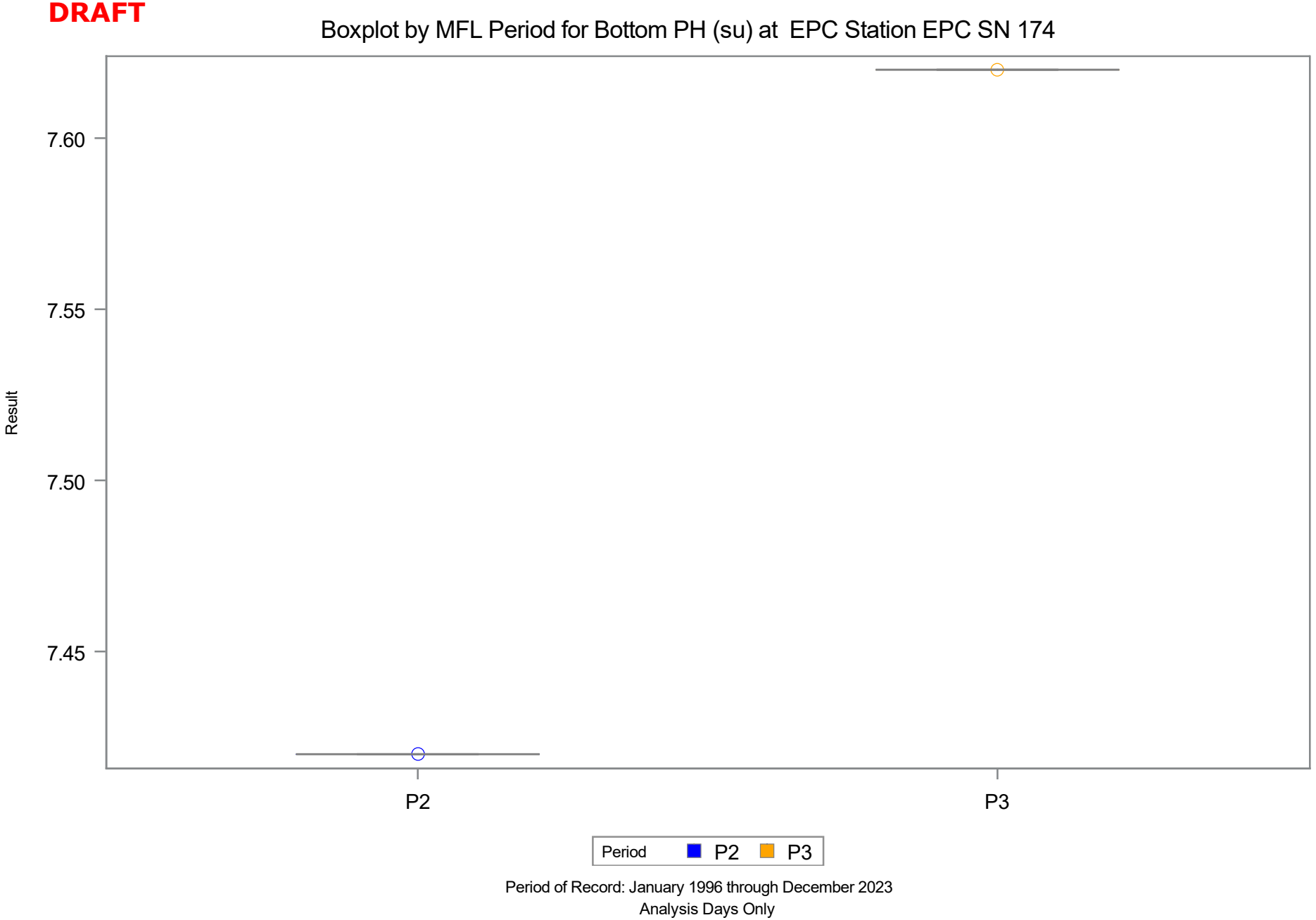
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 174

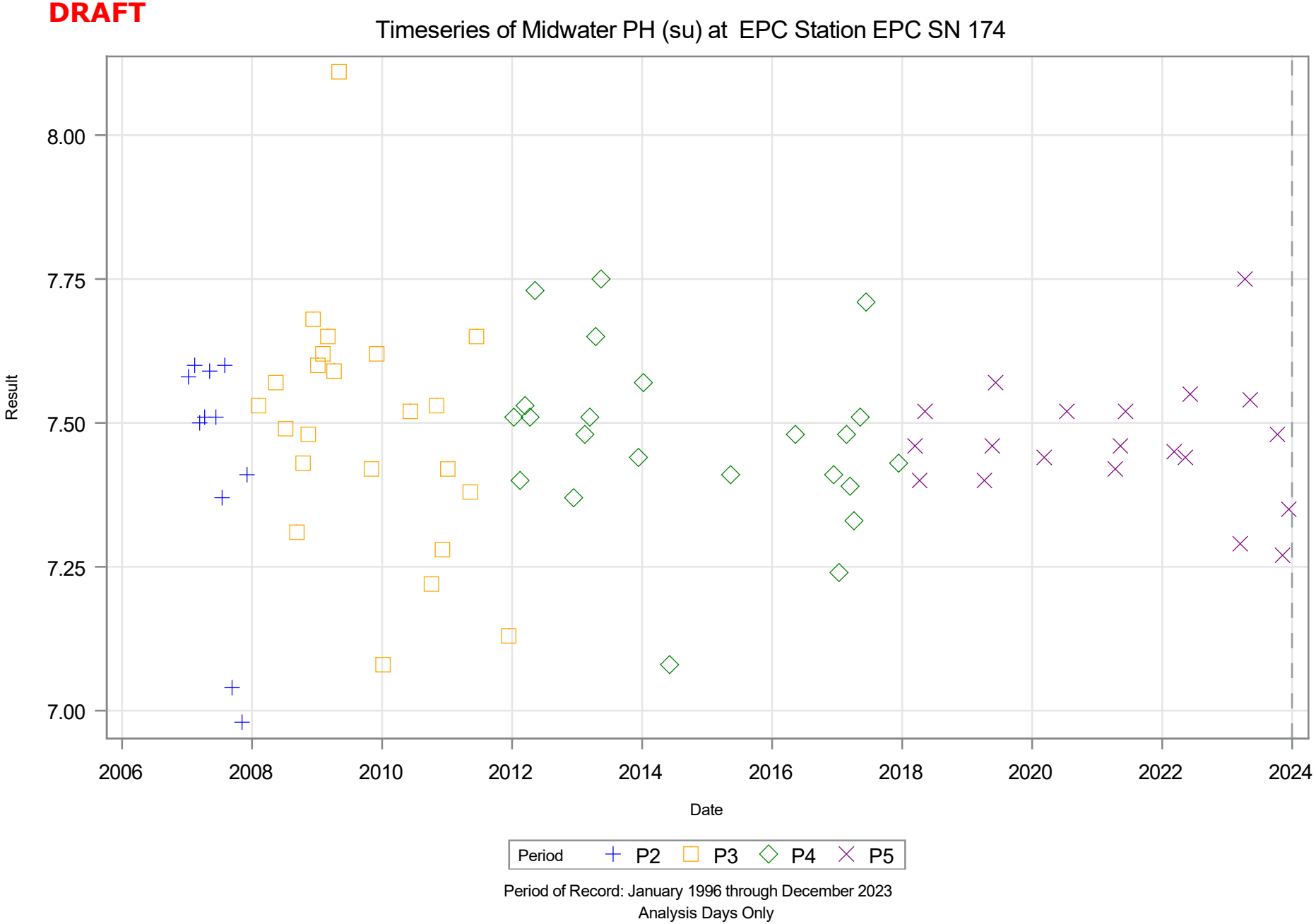
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	7.42	7.42	7.42	7.42	7.42	7.42
P3	1	7.62	7.62	7.62	7.62	7.62	7.62

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 174
Result
7.60
7.55
7.50
7.45
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

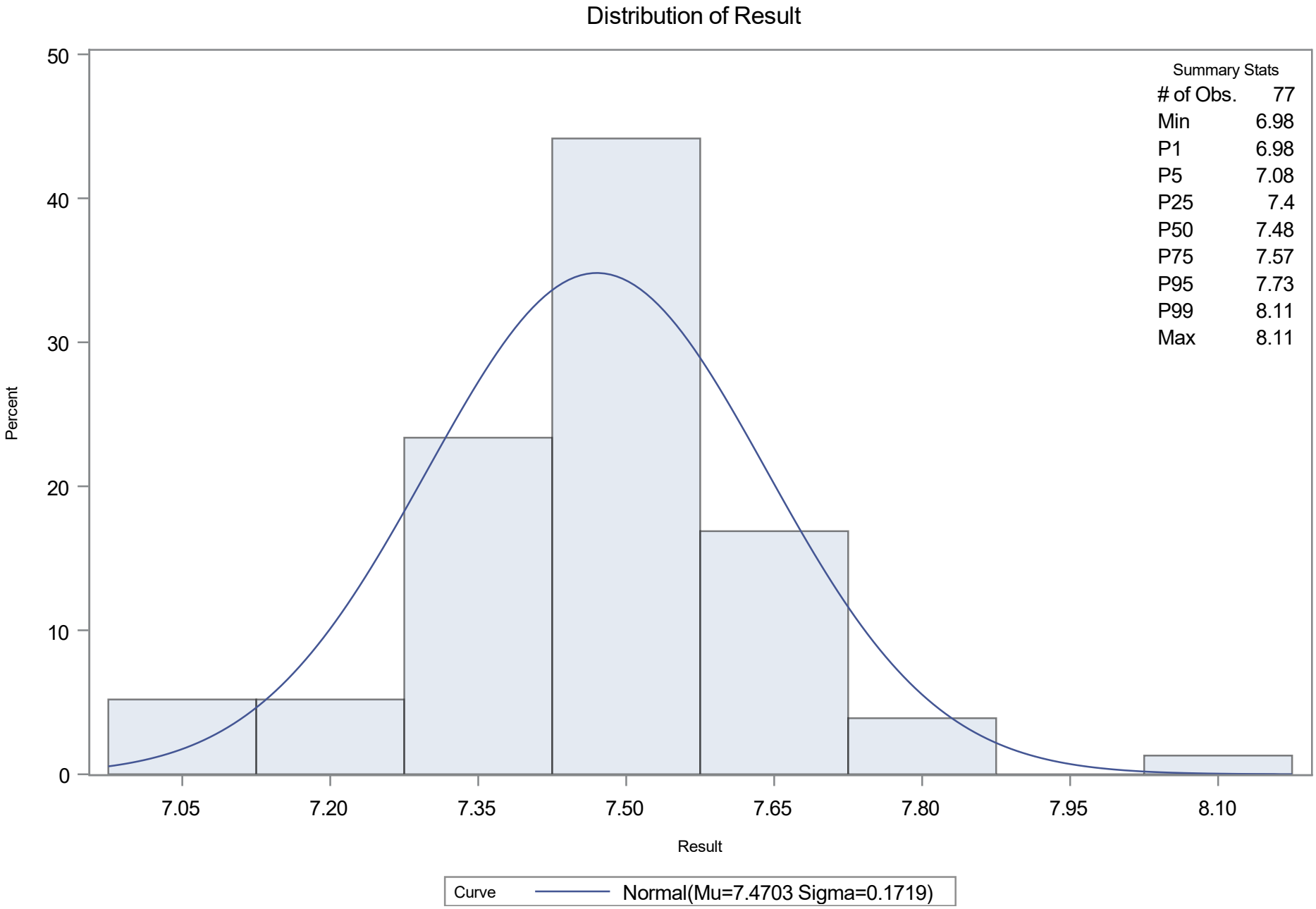
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.47026
Std Dev	Sigma	0.171886

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12057917	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22459372	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.38033372	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.98000	7.07039
5.0	7.08000	7.18753
10.0	7.27000	7.24998
25.0	7.40000	7.35432
50.0	7.48000	7.47026
75.0	7.57000	7.58619
90.0	7.65000	7.69054
95.0	7.73000	7.75299
99.0	8.11000	7.87013

Period of Record: January 1996 through December 2023
Analysis Days Only

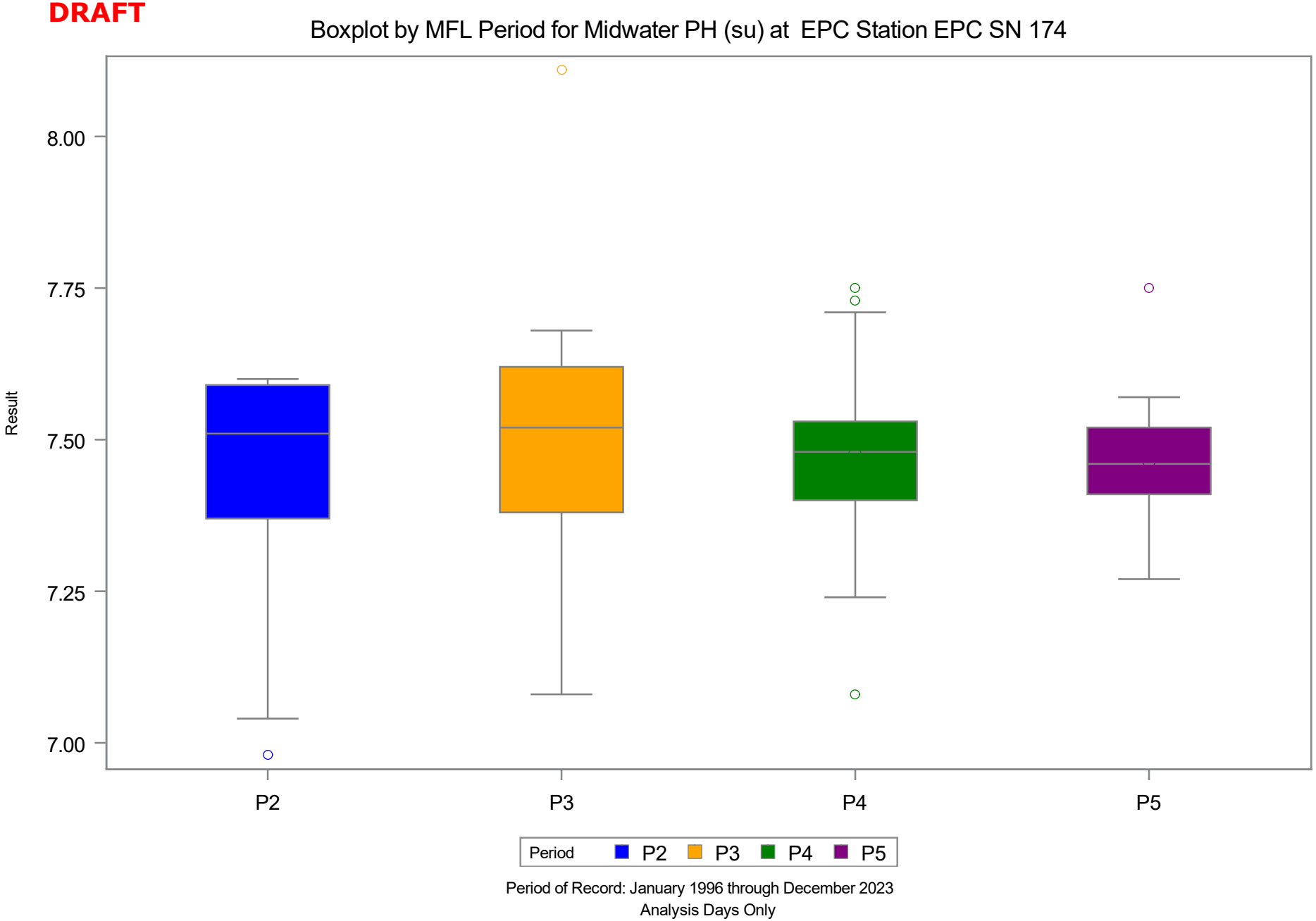
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 174

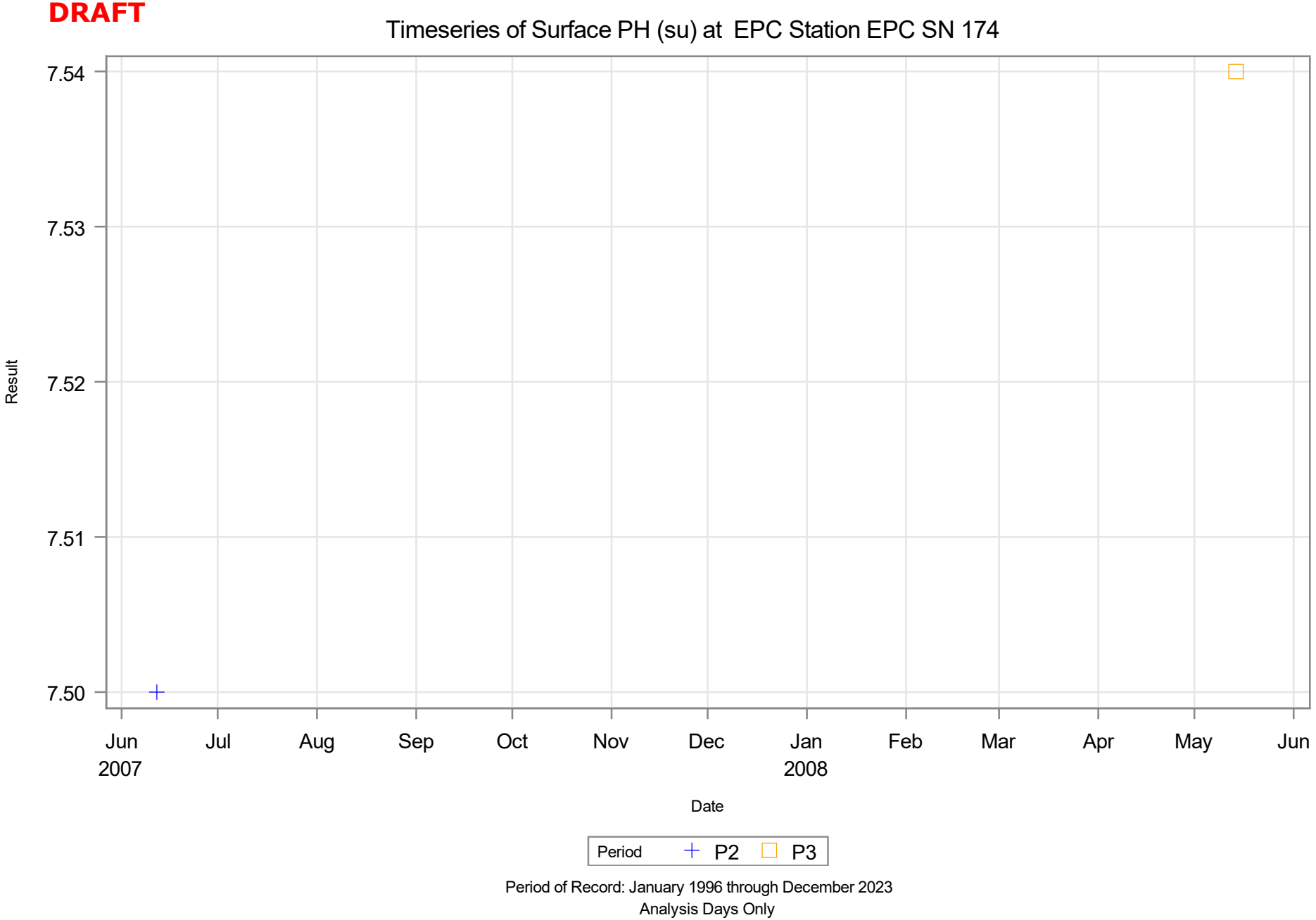
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	6.98	7.37	7.43	7.51	7.59	7.60
P3	23	7.08	7.38	7.49	7.52	7.62	8.11
P4	23	7.08	7.40	7.47	7.48	7.53	7.75
P5	20	7.27	7.41	7.46	7.46	7.52	7.75

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

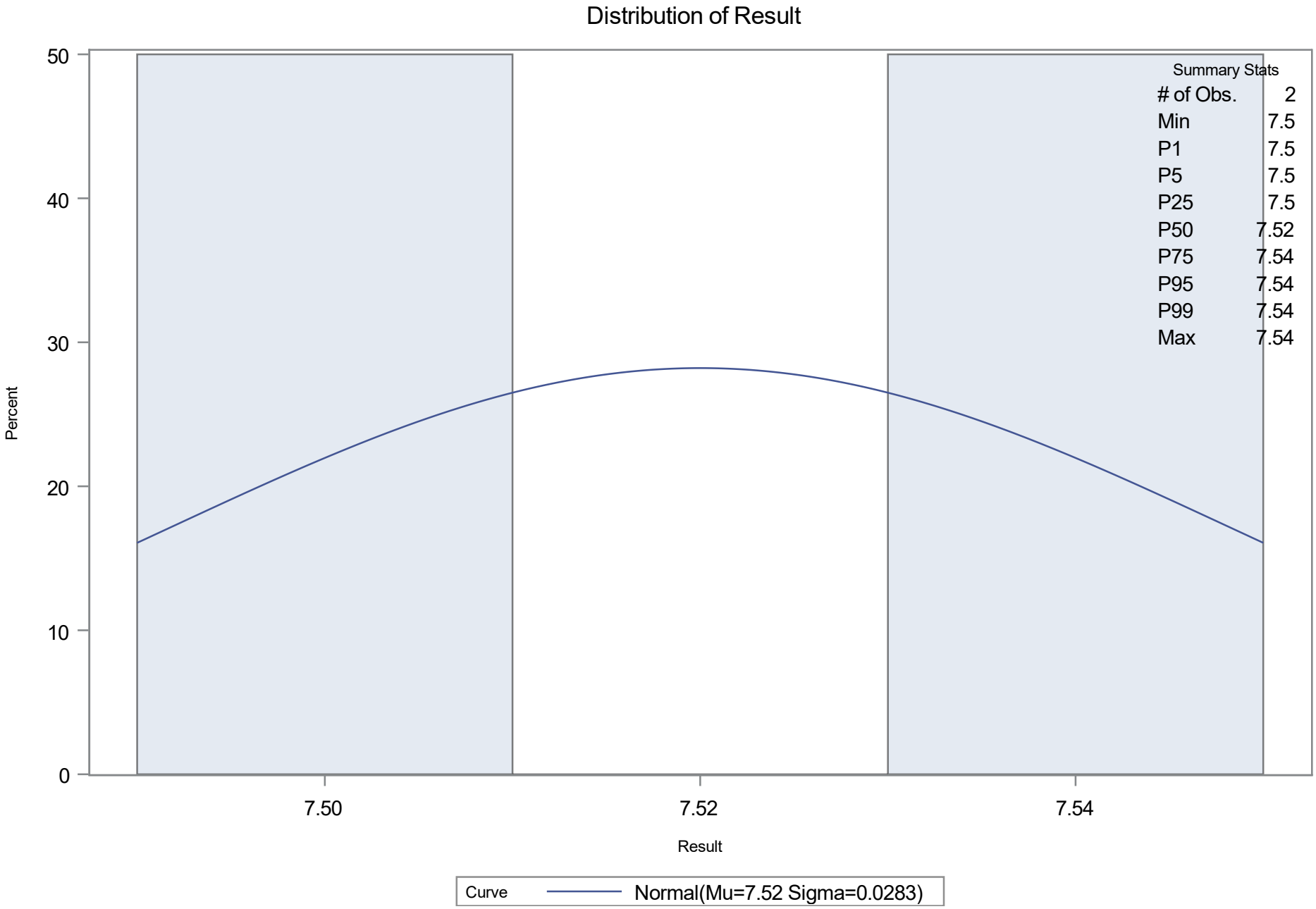

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 174
Result
8.00
7.75
7.50
7.25
7.00
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 174
Result
7.54
7.53
7.52
7.51
7.50
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.52
Std Dev	Sigma	0.028284

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.50000	7.45420
5.0	7.50000	7.47348
10.0	7.50000	7.48375
25.0	7.50000	7.50092
50.0	7.52000	7.52000
75.0	7.54000	7.53908
90.0	7.54000	7.55625
95.0	7.54000	7.56652
99.0	7.54000	7.58580

Period of Record: January 1996 through December 2023
Analysis Days Only

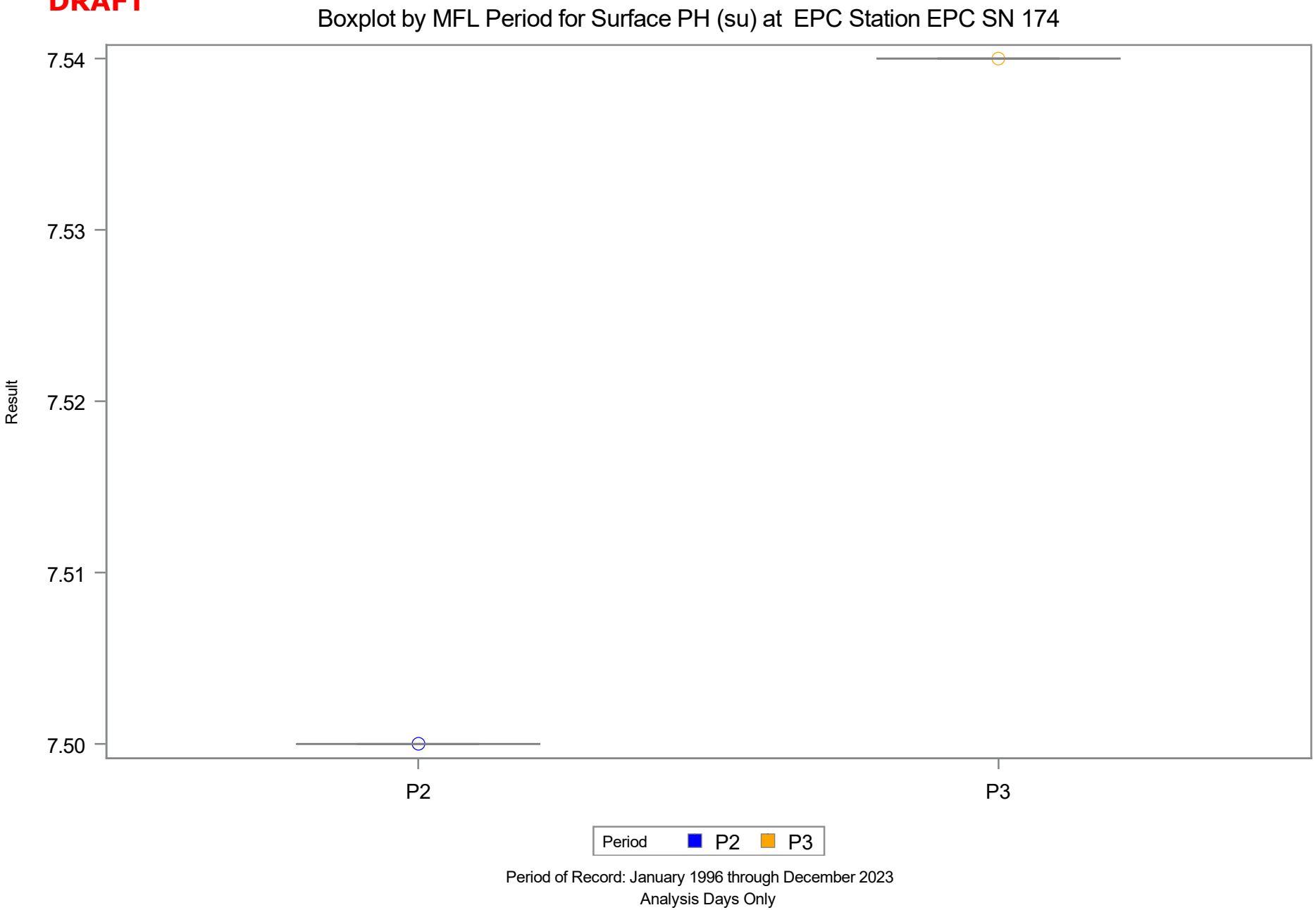
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 174

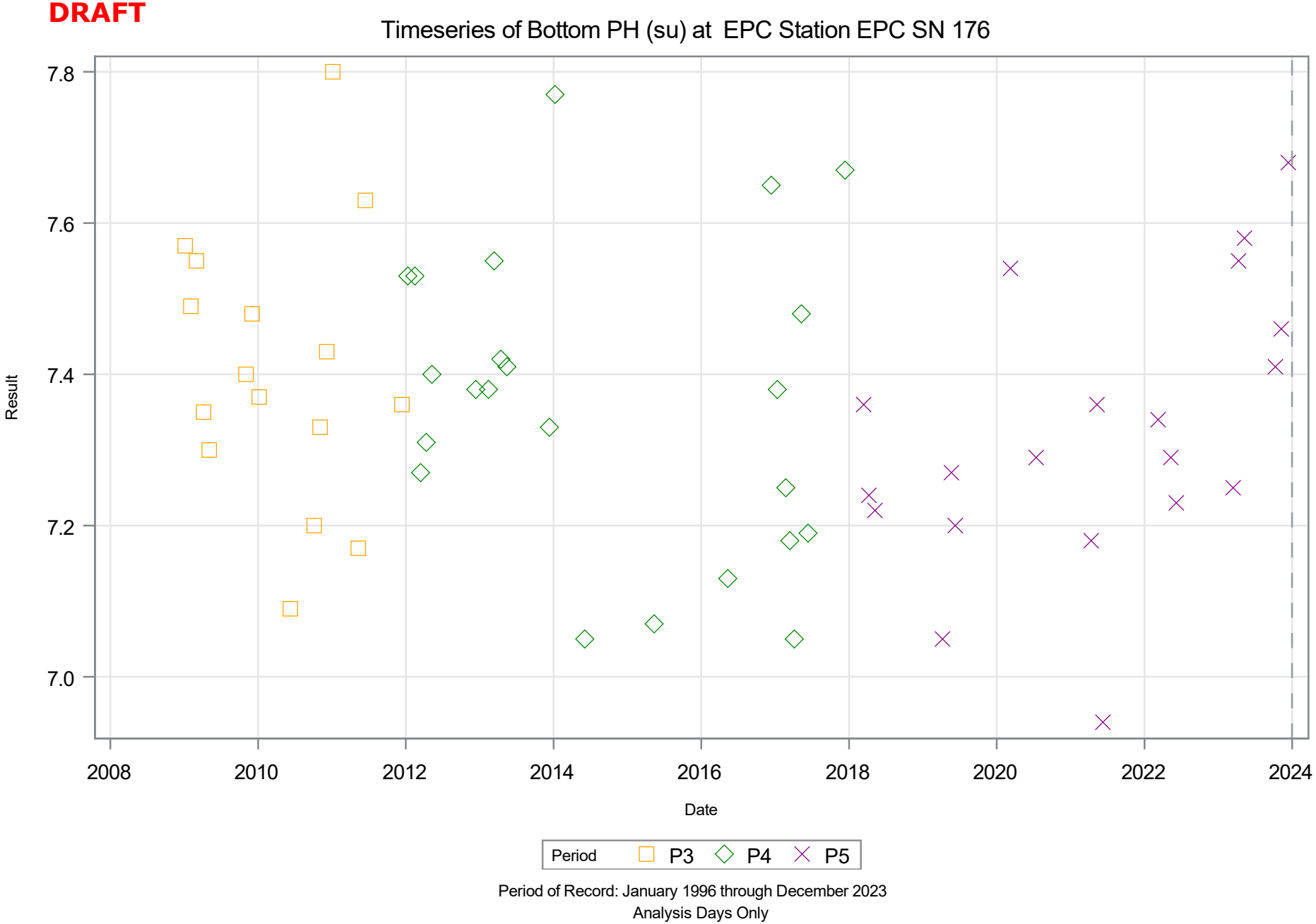
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	7.50	7.50	7.50	7.50	7.50	7.50
P3	1	7.54	7.54	7.54	7.54	7.54	7.54

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

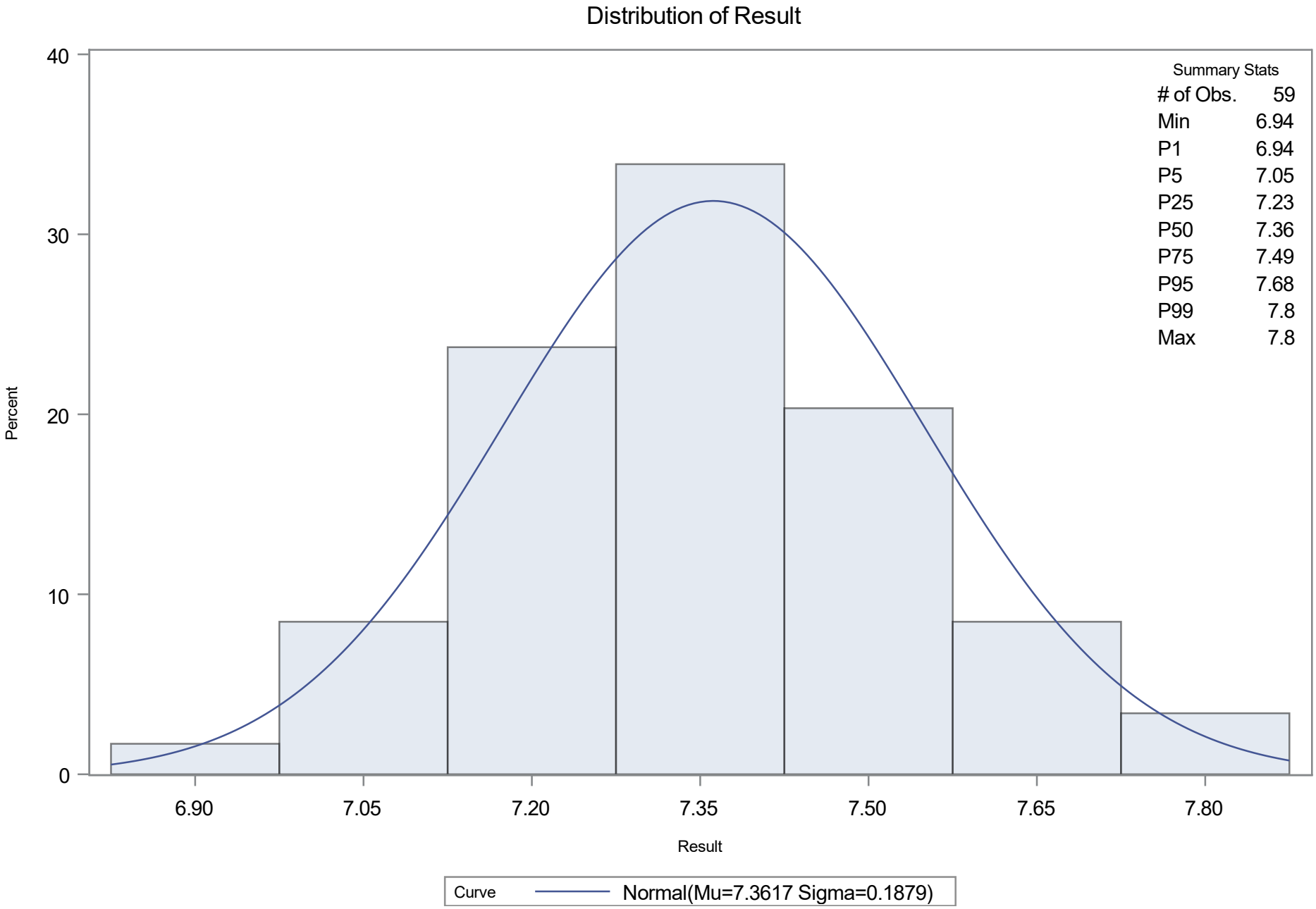

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 174
Result
7.54
7.53
7.52
7.51
7.50
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 176
Result
7.8
7.6
7.4
7.2
7.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.361695
Std Dev	Sigma	0.187857

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05955315	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02461692	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.16570387	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.94000	6.92467
5.0	7.05000	7.05270
10.0	7.09000	7.12095
25.0	7.23000	7.23499
50.0	7.36000	7.36169
75.0	7.49000	7.48840
90.0	7.63000	7.60244
95.0	7.68000	7.67069
99.0	7.80000	7.79872

Period of Record: January 1996 through December 2023
Analysis Days Only

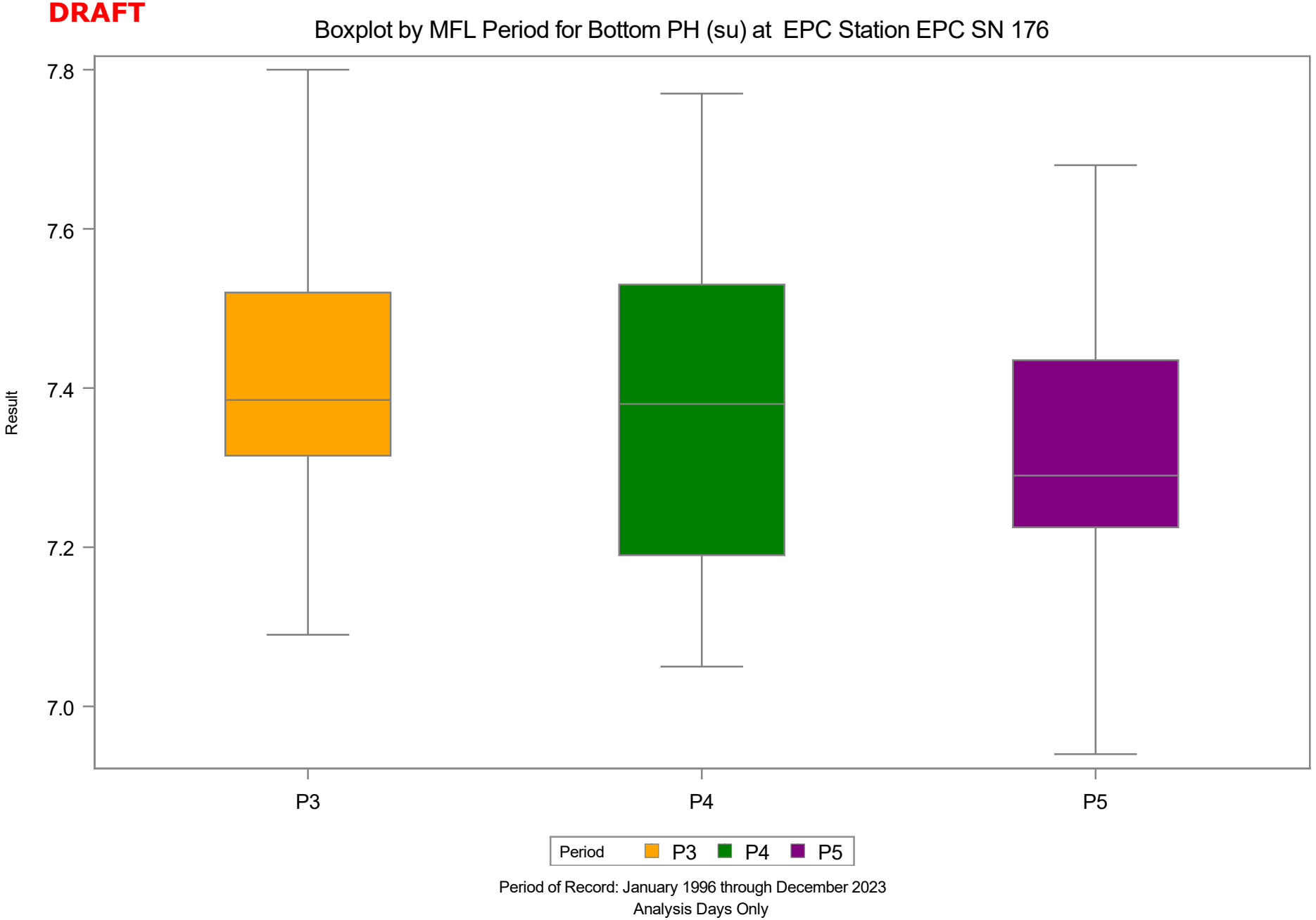
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 176

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.09	7.32	7.41	7.39	7.52	7.80
P4	23	7.05	7.19	7.36	7.38	7.53	7.77
P5	20	6.94	7.23	7.32	7.29	7.44	7.68

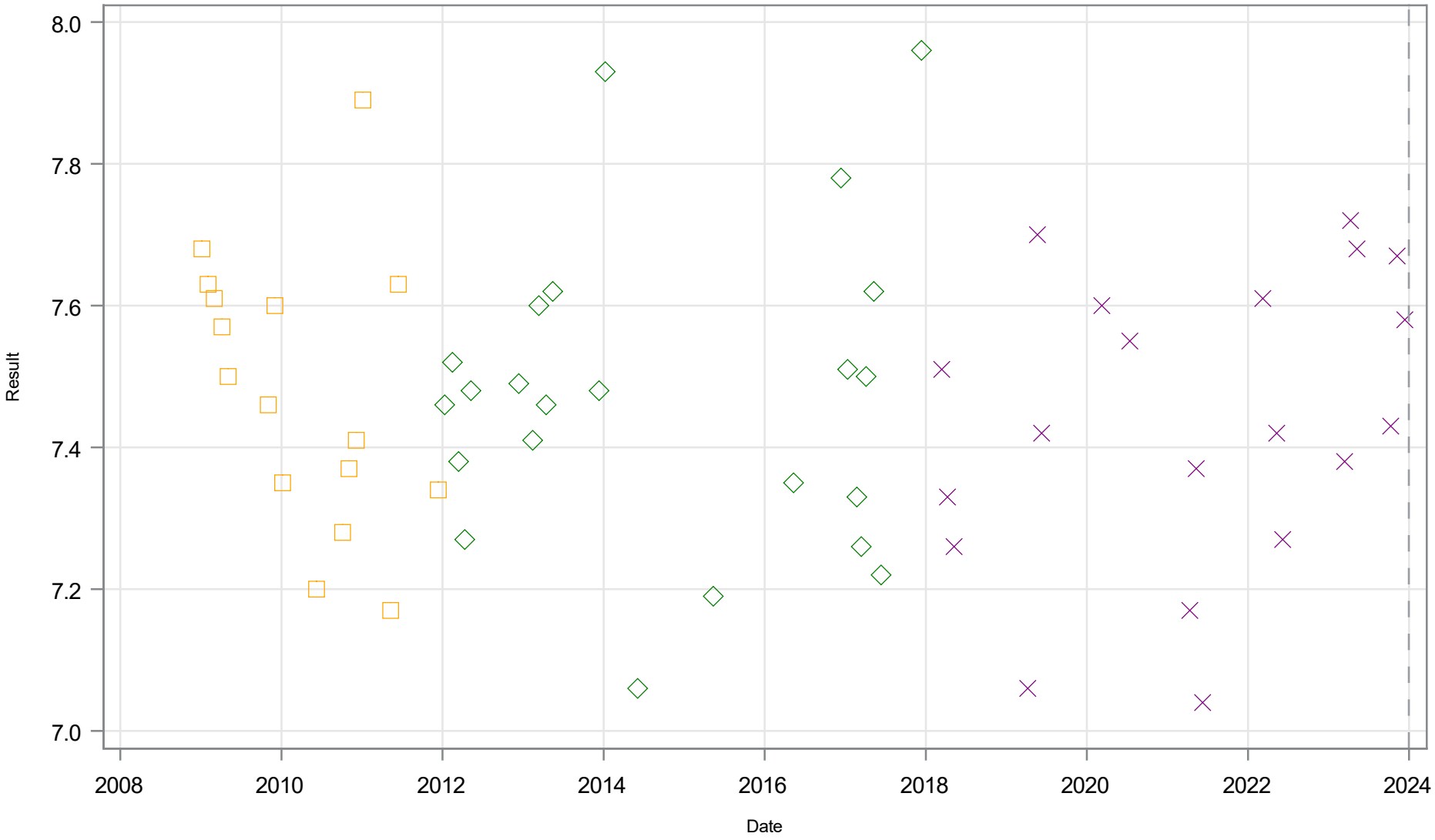
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 176
Result
7.8
7.6
7.4
7.2
7.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

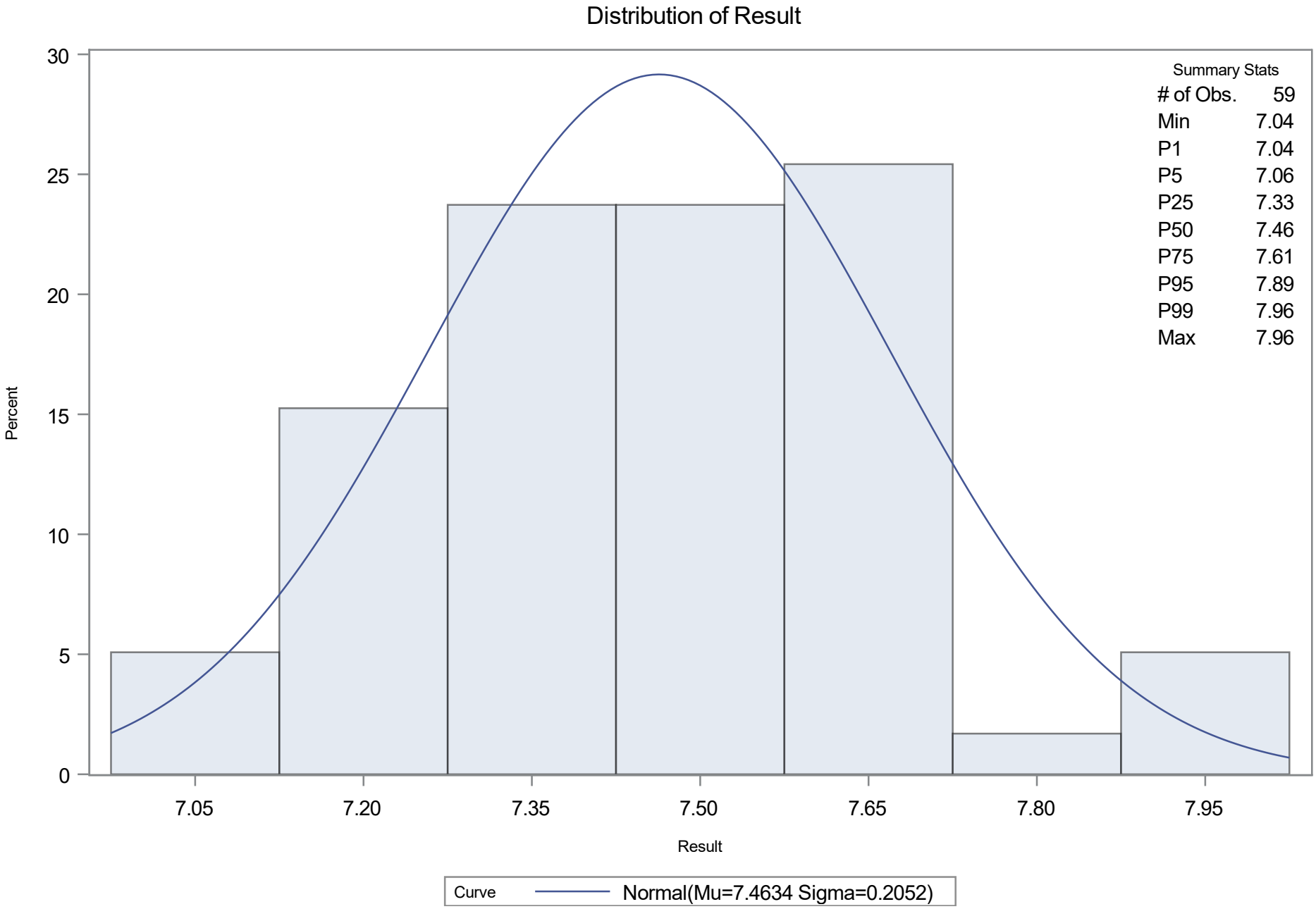
Timeseries of Midwater PH (su) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.46339
Std Dev	Sigma	0.205205

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05587597	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02254797	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19693938	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.04000	6.98601
5.0	7.06000	7.12586
10.0	7.19000	7.20041
25.0	7.33000	7.32498
50.0	7.46000	7.46339
75.0	7.61000	7.60180
90.0	7.70000	7.72637
95.0	7.89000	7.80092
99.0	7.96000	7.94077

Period of Record: January 1996 through December 2023
Analysis Days Only

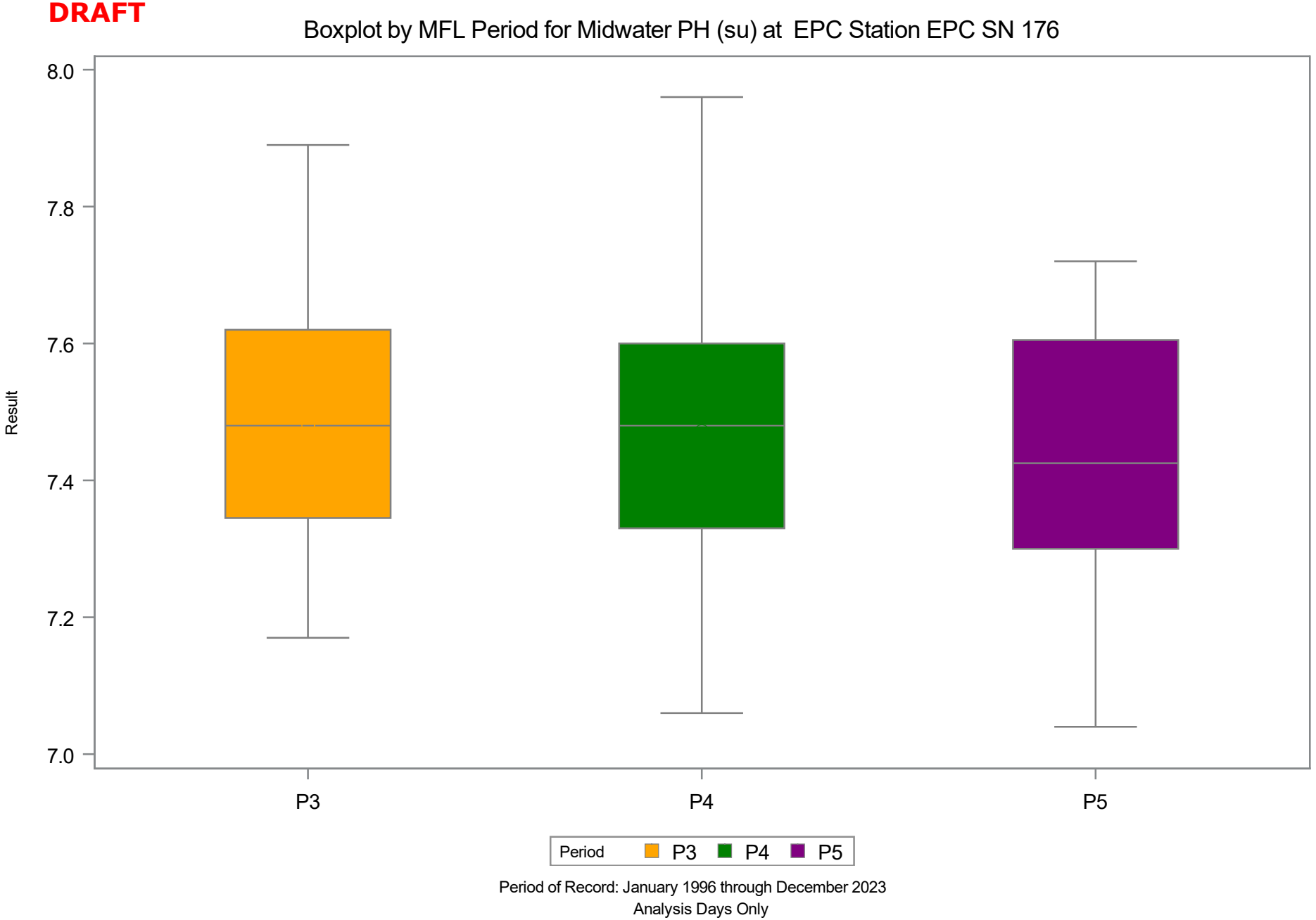
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 176

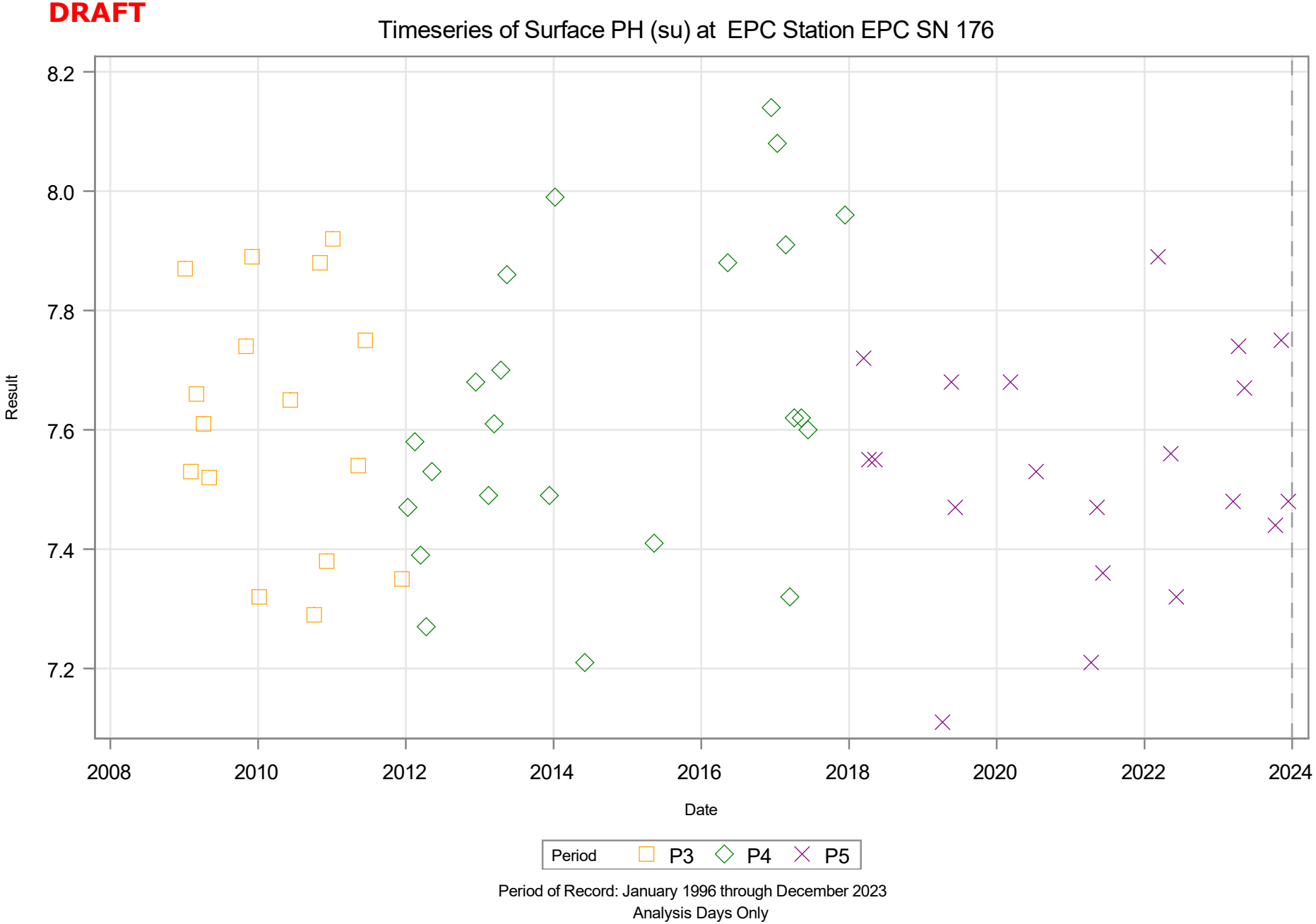
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.17	7.35	7.48	7.48	7.62	7.89
P4	23	7.06	7.33	7.47	7.48	7.60	7.96
P5	20	7.04	7.30	7.44	7.43	7.61	7.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

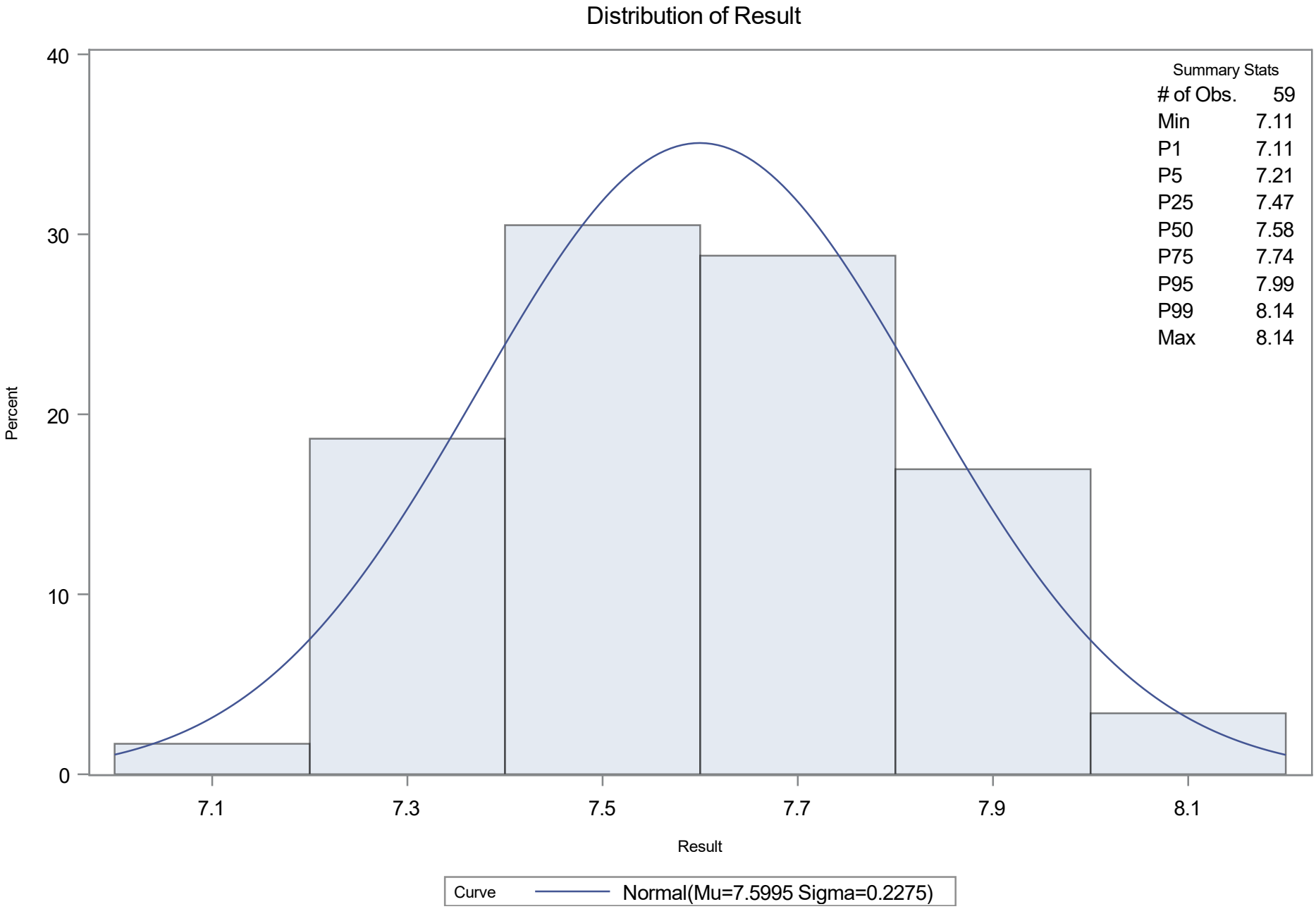

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 176
8.0
7.8
7.6
7.4
7.2
7.0
Result
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 176
8.2
8.0
7.8
7.6
7.4
7.2
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.599492
Std Dev	Sigma	0.227493

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07731137	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04447611	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28731265	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.11000	7.07026
5.0	7.21000	7.22530
10.0	7.32000	7.30795
25.0	7.47000	7.44605
50.0	7.58000	7.59949
75.0	7.74000	7.75293
90.0	7.91000	7.89104
95.0	7.99000	7.97368
99.0	8.14000	8.12872

Period of Record: January 1996 through December 2023
Analysis Days Only

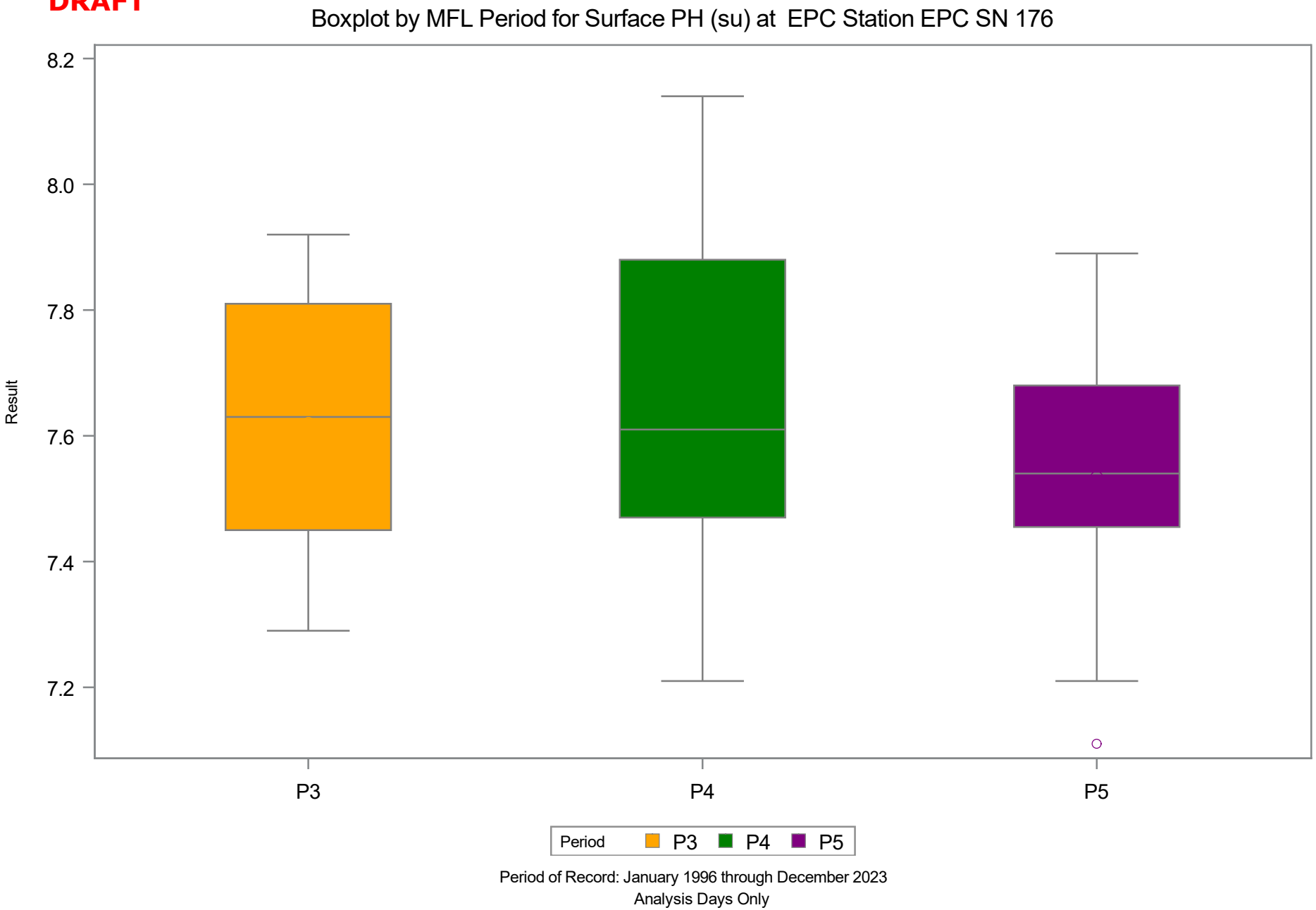
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 176

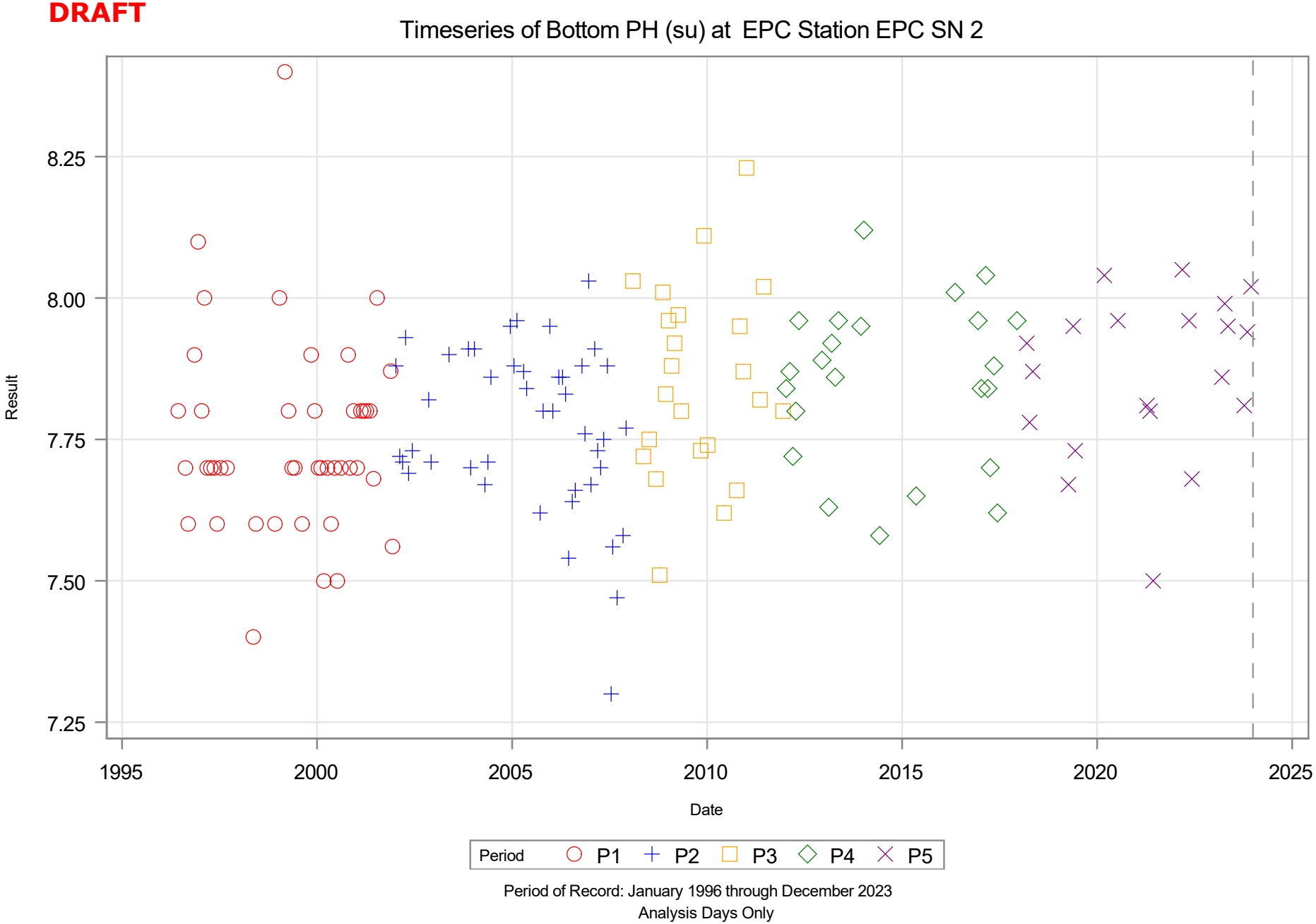
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	7.29	7.45	7.62	7.63	7.81	7.92
P4	23	7.21	7.47	7.64	7.61	7.88	8.14
P5	20	7.11	7.46	7.53	7.54	7.68	7.89

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

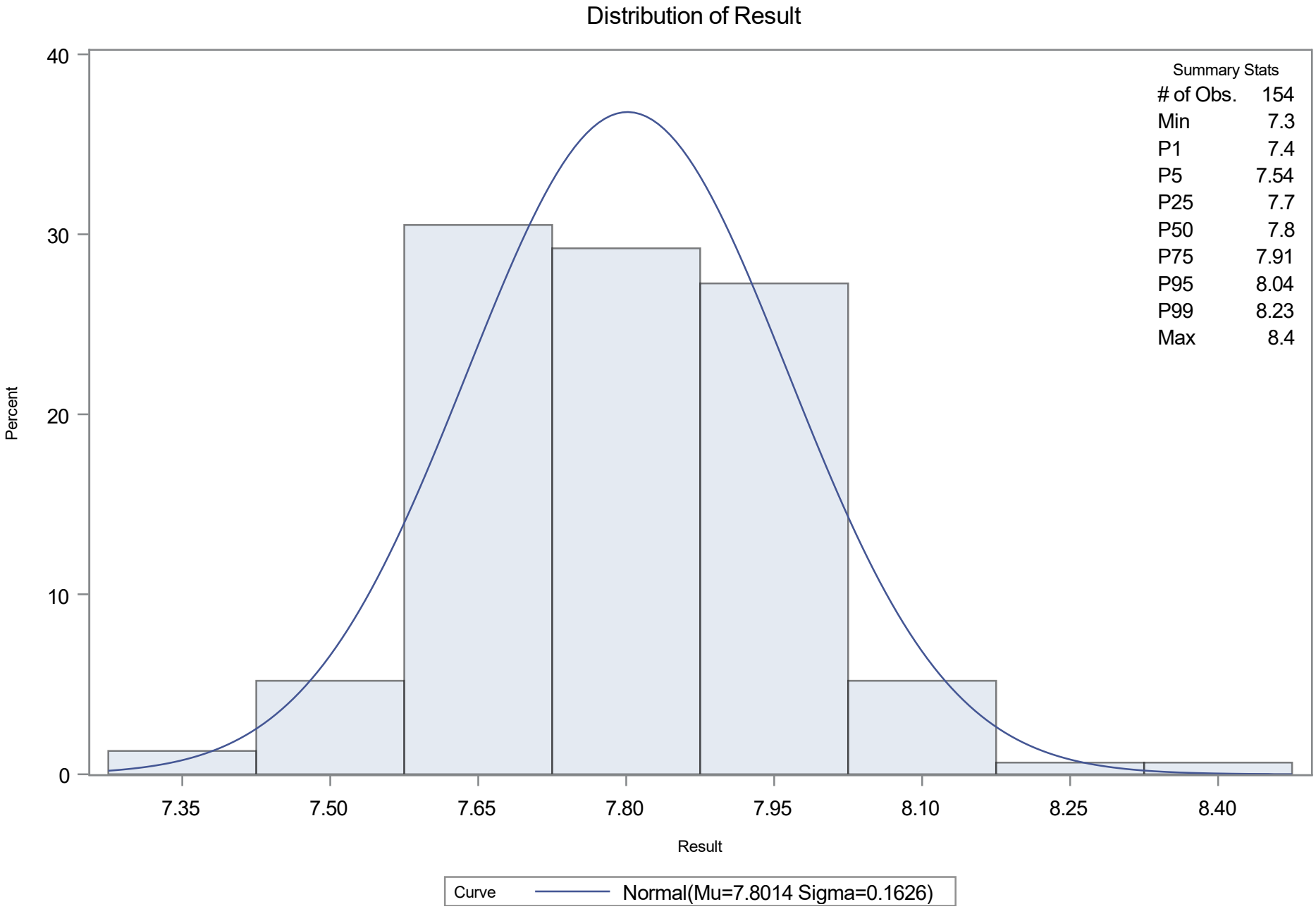

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 176
Result
8.2
8.0
7.8
7.6
7.4
7.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 2
Result
8.25
8.00
7.75
7.50
7.25
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.801364
Std Dev	Sigma	0.162642

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06569261	**Pr > D**	0.100
Cramer-von Mises	**W-Sq**	0.10216571	**Pr > W-Sq**	0.106
Anderson-Darling	**A-Sq**	0.60882560	**Pr > A-Sq**	0.114

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.40000	7.42300
5.0	7.54000	7.53384
10.0	7.60000	7.59293
25.0	7.70000	7.69166
50.0	7.80000	7.80136
75.0	7.91000	7.91106
90.0	8.00000	8.00980
95.0	8.04000	8.06889
99.0	8.23000	8.17973

Period of Record: January 1996 through December 2023
Analysis Days Only

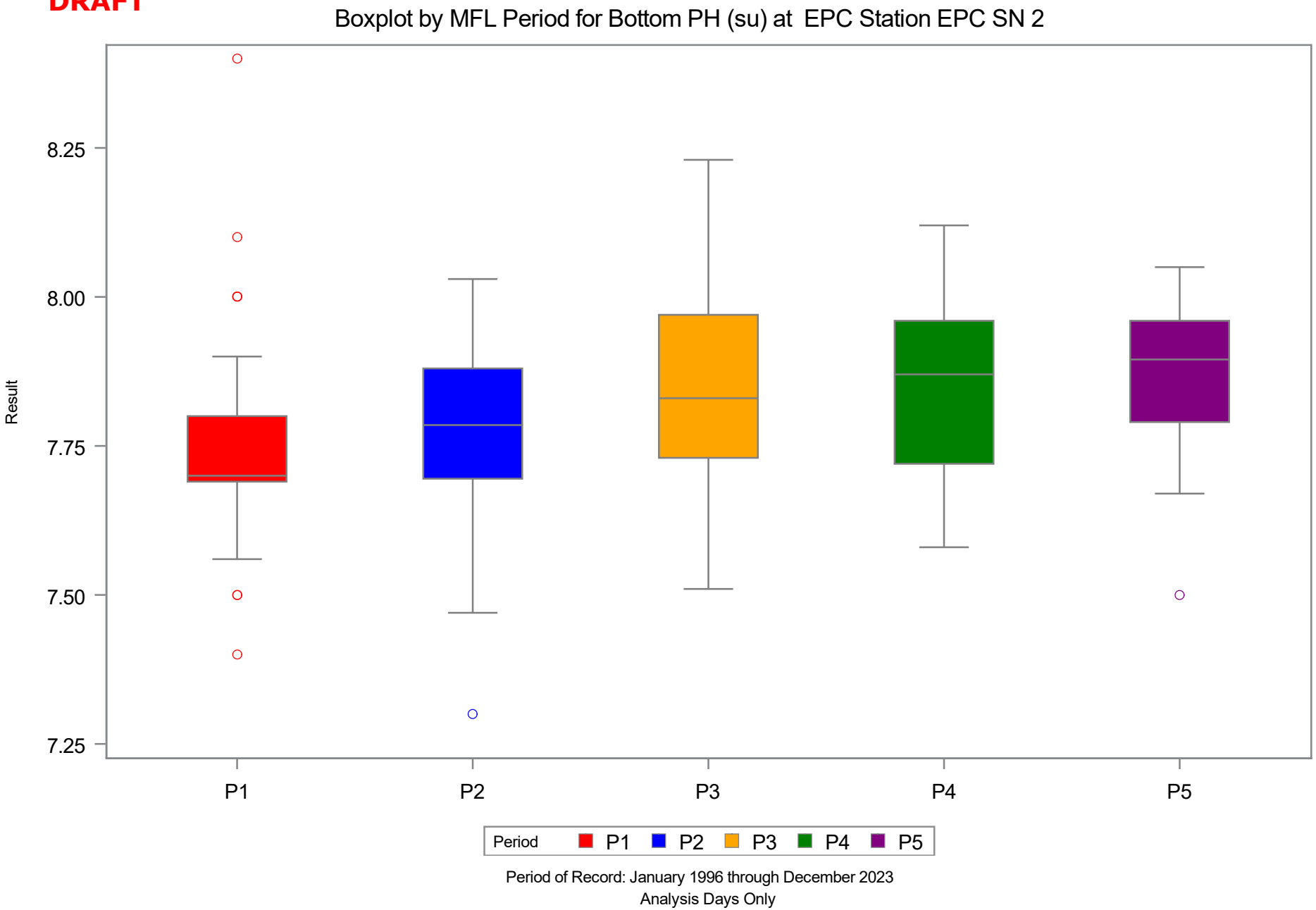
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 2

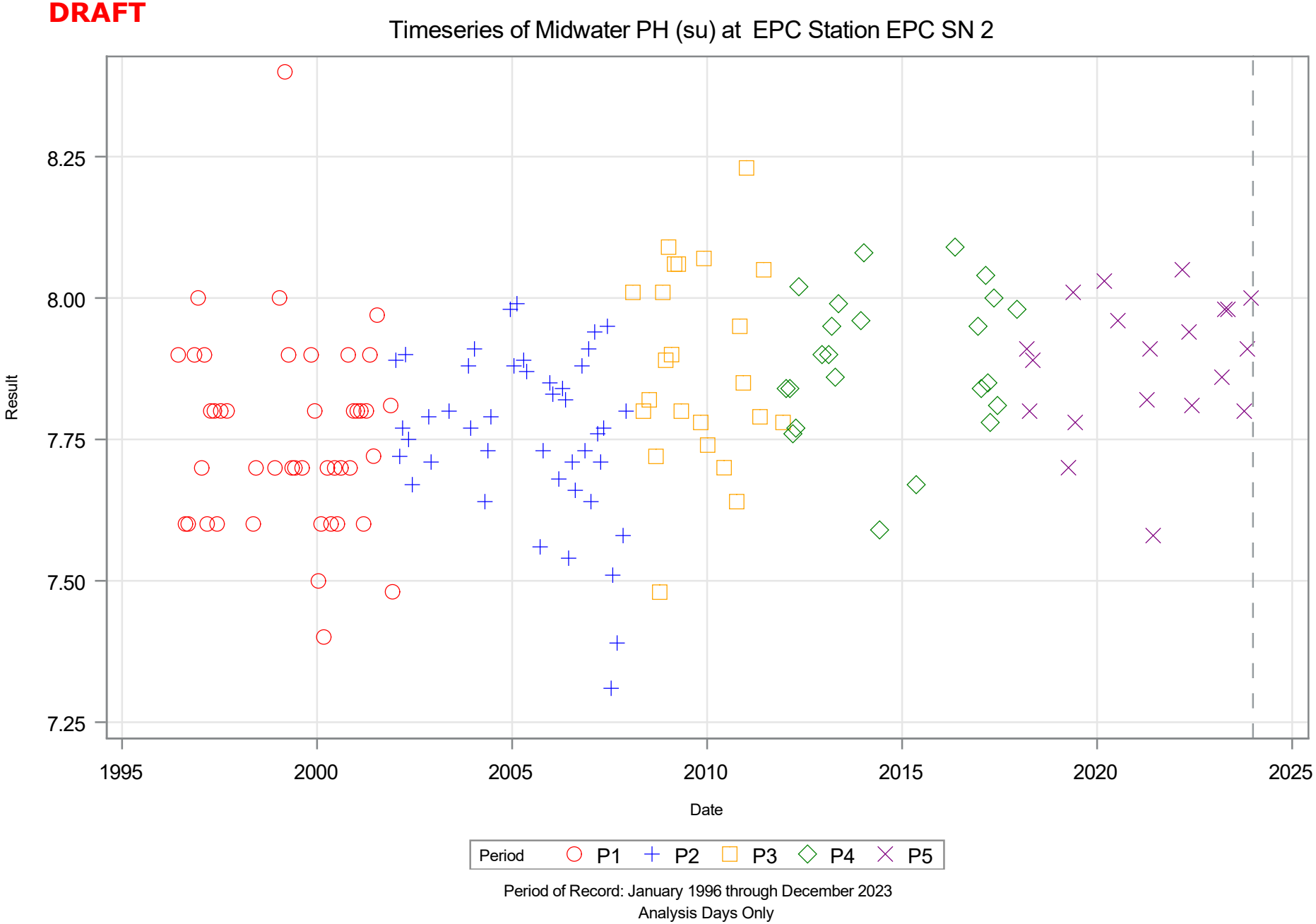
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.40	7.69	7.75	7.70	7.80	8.40
P2	44	7.30	7.70	7.77	7.79	7.88	8.03
P3	23	7.51	7.73	7.85	7.83	7.97	8.23
P4	23	7.58	7.72	7.85	7.87	7.96	8.12
P5	20	7.50	7.79	7.86	7.90	7.96	8.05

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

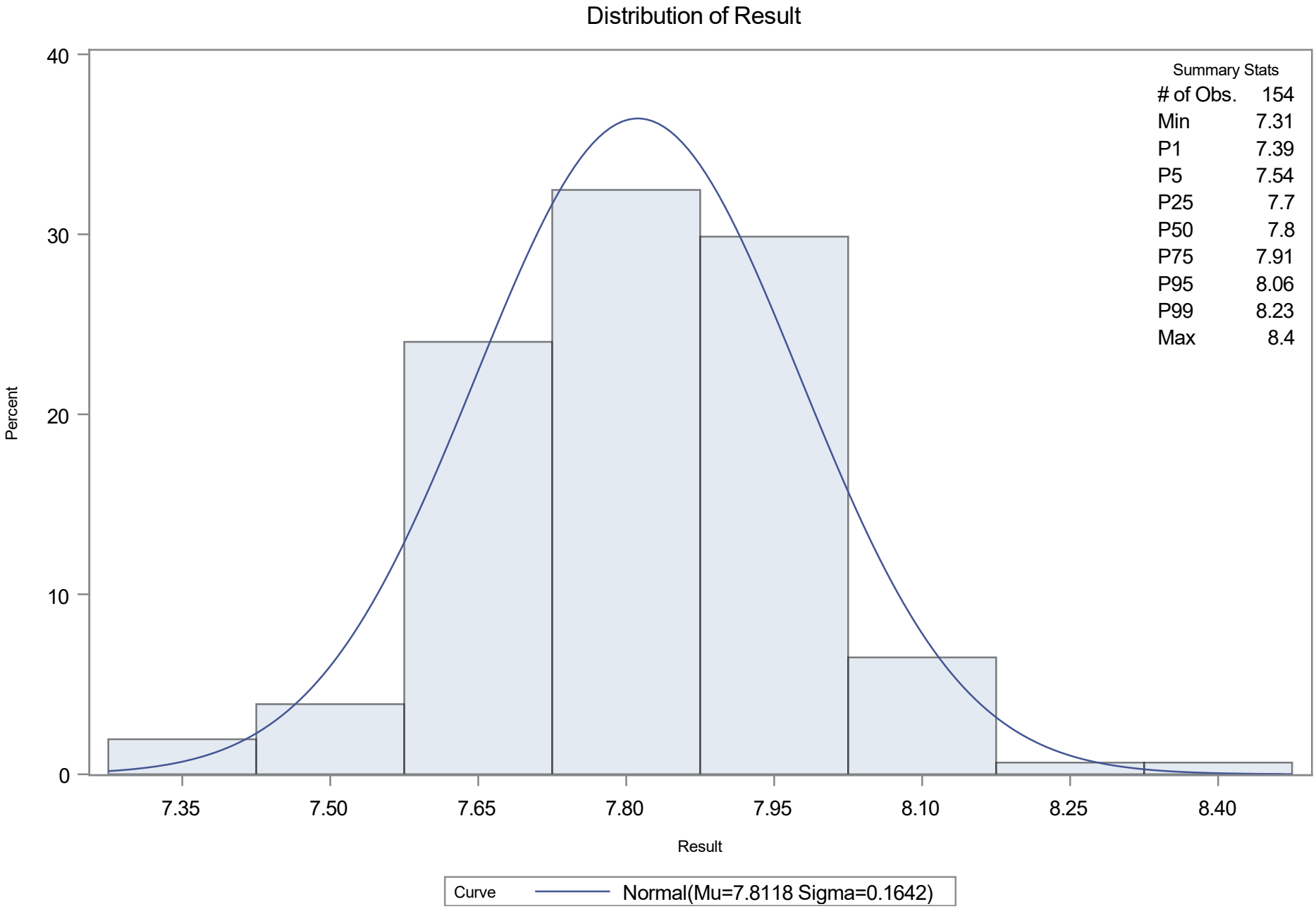

Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 2
Result
8.25
8.00
7.75
7.50
7.25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at EPC Station EPC SN 2
Result
8.25
8.00
7.75
7.50
7.25
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.811818
Std Dev	Sigma	0.164231

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06616218	**Pr > D**	0.096
Cramer-von Mises	**W-Sq**	0.08545689	**Pr > W-Sq**	0.181
Anderson-Darling	**A-Sq**	0.55405436	**Pr > A-Sq**	0.155

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.39000	7.42976
5.0	7.54000	7.54168
10.0	7.60000	7.60135
25.0	7.70000	7.70105
50.0	7.80000	7.81182
75.0	7.91000	7.92259
90.0	8.01000	8.02229
95.0	8.06000	8.08195
99.0	8.23000	8.19388

Period of Record: January 1996 through December 2023
Analysis Days Only

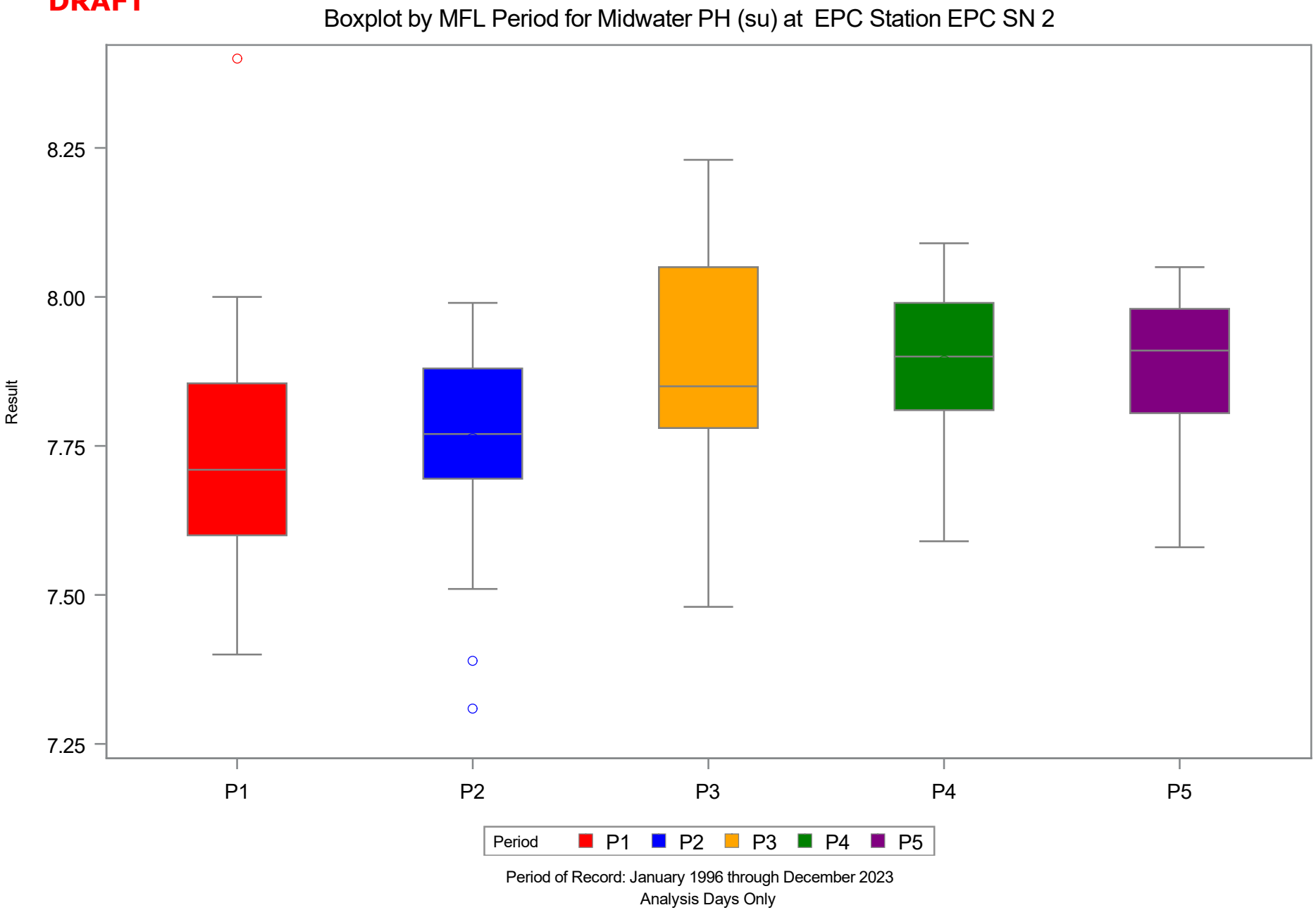
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 2

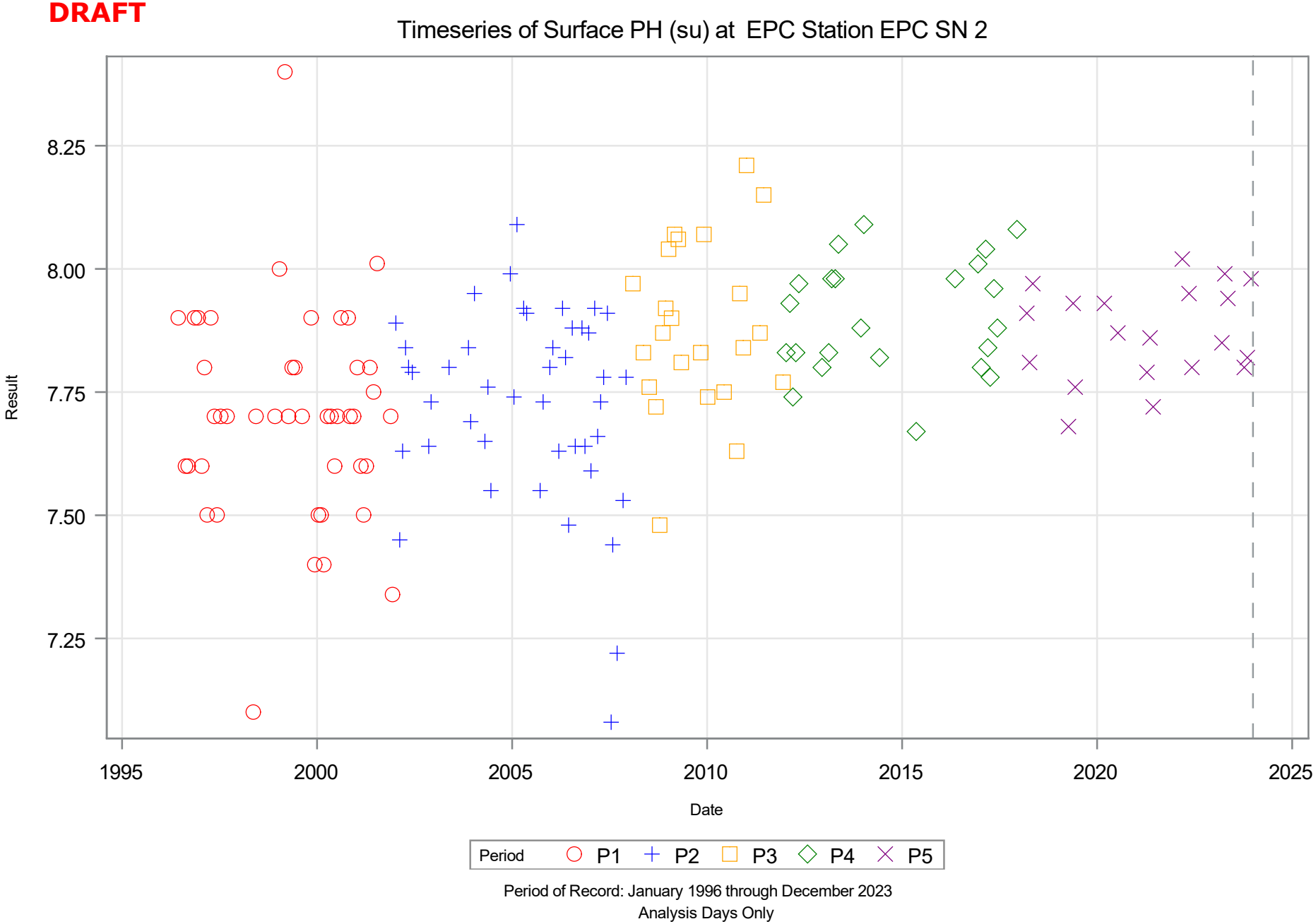
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.40	7.60	7.75	7.71	7.86	8.40
P2	44	7.31	7.70	7.76	7.77	7.88	7.99
P3	23	7.48	7.78	7.88	7.85	8.05	8.23
P4	23	7.59	7.81	7.89	7.90	7.99	8.09
P5	20	7.58	7.81	7.89	7.91	7.98	8.05

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

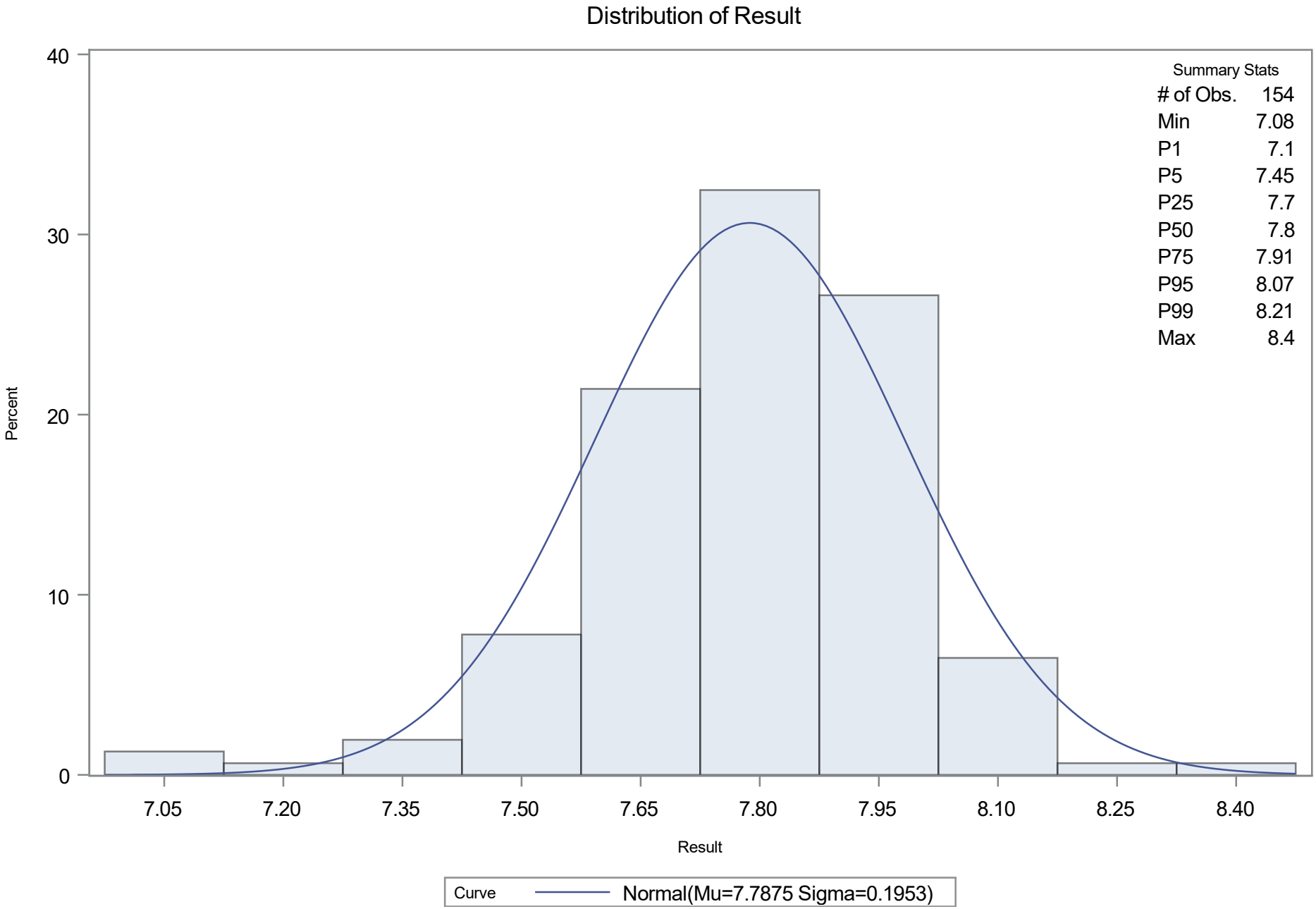

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 2
Result
8.25
8.00
7.75
7.50
7.25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 2
Result
8.25
8.00
7.75
7.50
7.25
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.787468
Std Dev	Sigma	0.195279

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09334301	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.20054059	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.25068834	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.10000	7.33318
5.0	7.45000	7.46626
10.0	7.53000	7.53721
25.0	7.70000	7.65575
50.0	7.80000	7.78747
75.0	7.91000	7.91918
90.0	8.00000	8.03773
95.0	8.07000	8.10867
99.0	8.21000	8.24176

Period of Record: January 1996 through December 2023
Analysis Days Only

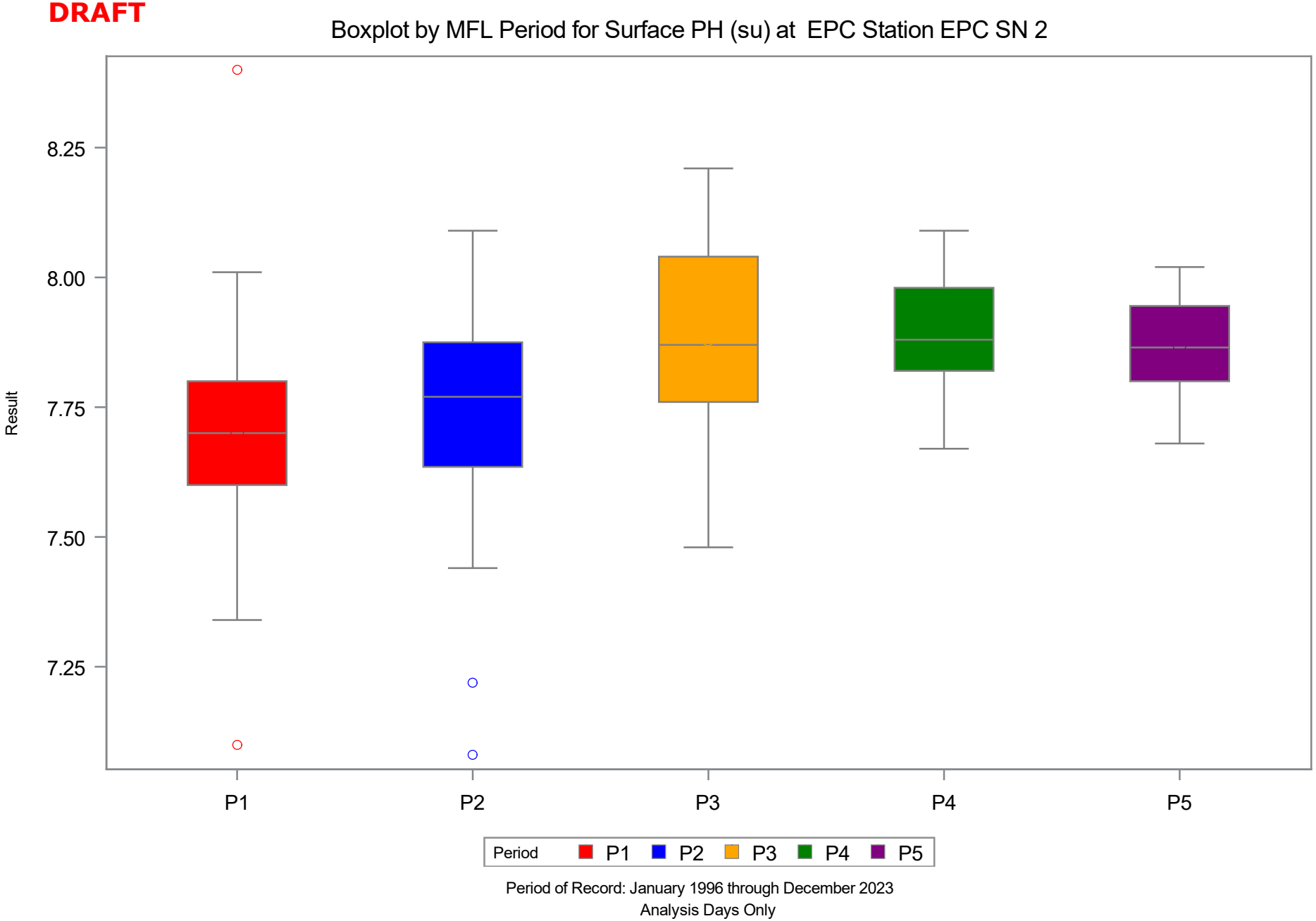
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 2

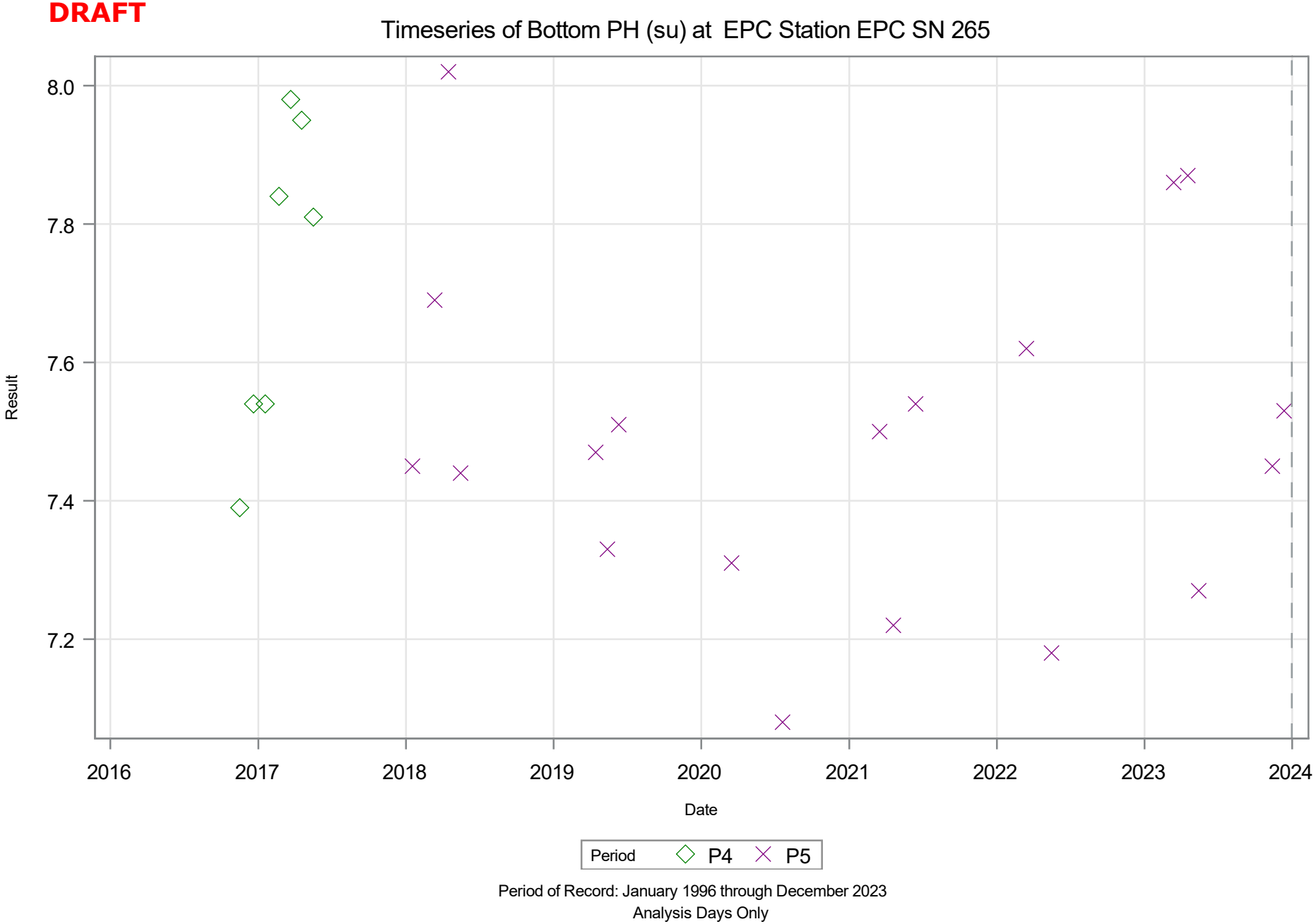
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	7.10	7.60	7.70	7.70	7.80	8.40
P2	44	7.08	7.64	7.73	7.77	7.88	8.09
P3	23	7.48	7.76	7.88	7.87	8.04	8.21
P4	23	7.67	7.82	7.90	7.88	7.98	8.09
P5	20	7.68	7.80	7.87	7.87	7.95	8.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

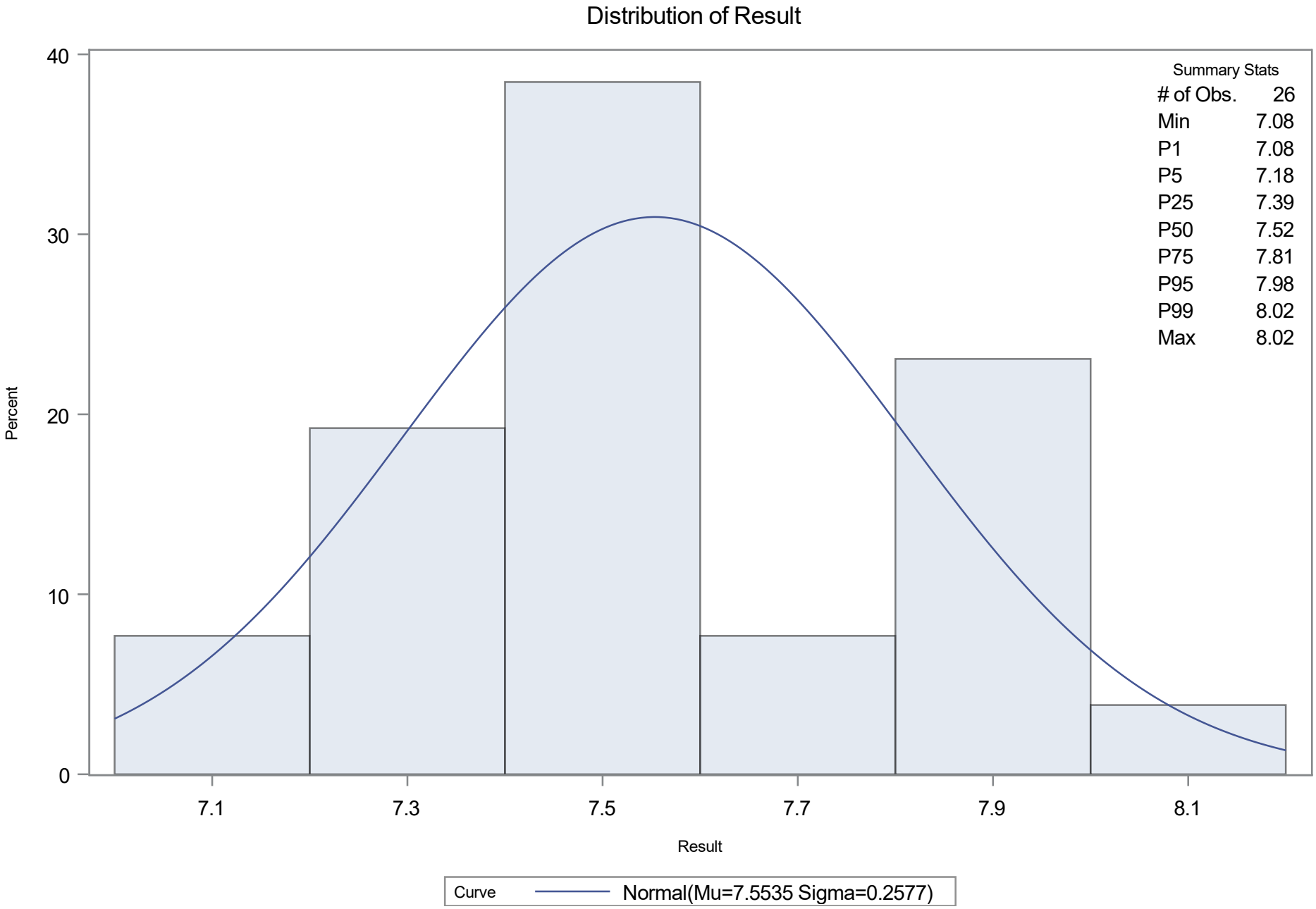

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 2
Result
8.25
8.00
7.75
7.50
7.25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 265
Result
8.0
7.8
7.6
7.4
7.2
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.553462
Std Dev	Sigma	0.257697

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17467660	**Pr > D**	0.040
Cramer-von Mises	**W-Sq**	0.08227371	**Pr > W-Sq**	0.192
Anderson-Darling	**A-Sq**	0.44909081	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.08000	6.95397
5.0	7.18000	7.12959
10.0	7.22000	7.22321
25.0	7.39000	7.37965
50.0	7.52000	7.55346
75.0	7.81000	7.72728
90.0	7.95000	7.88371
95.0	7.98000	7.97733
99.0	8.02000	8.15295

Period of Record: January 1996 through December 2023
Analysis Days Only

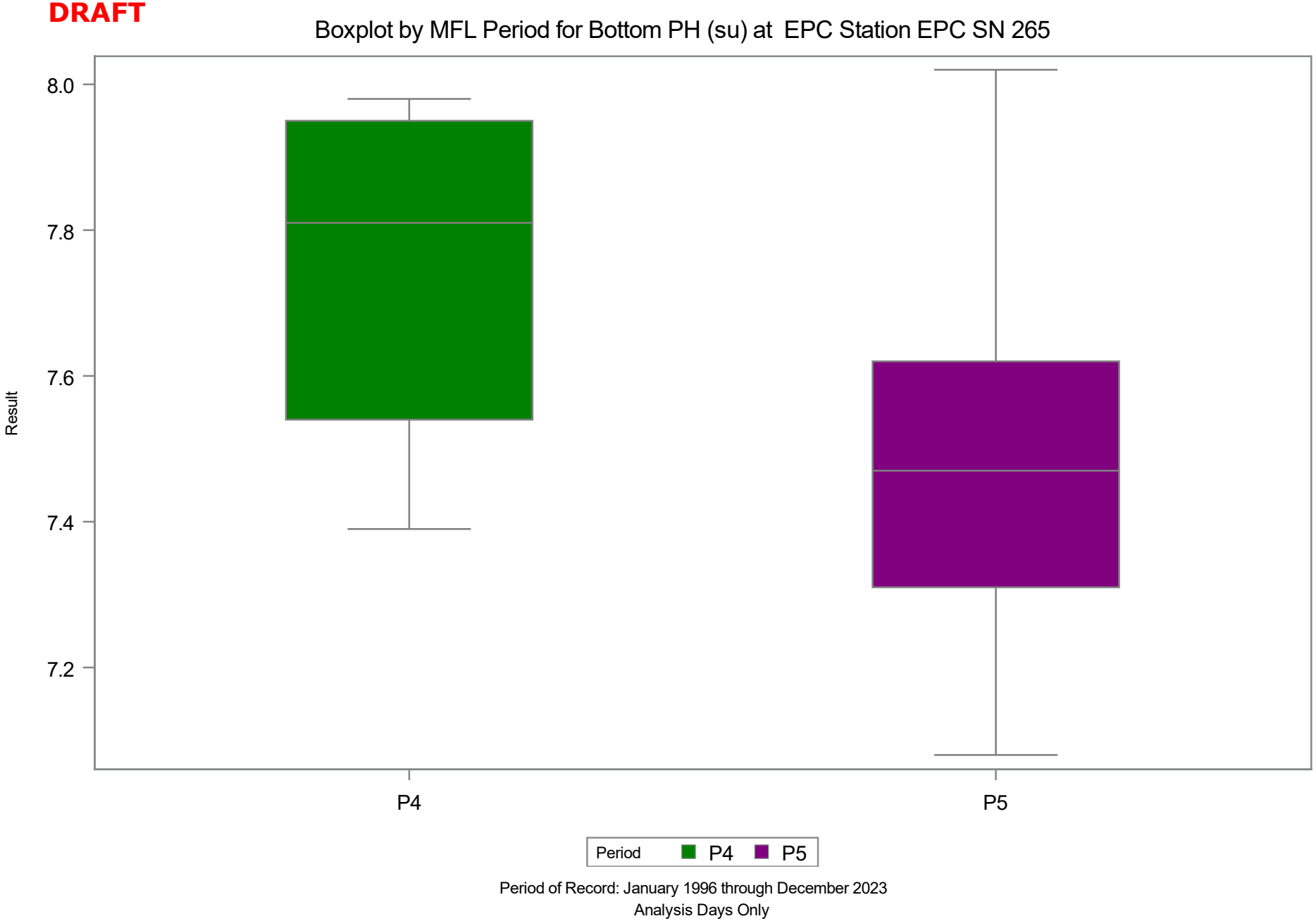
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 265

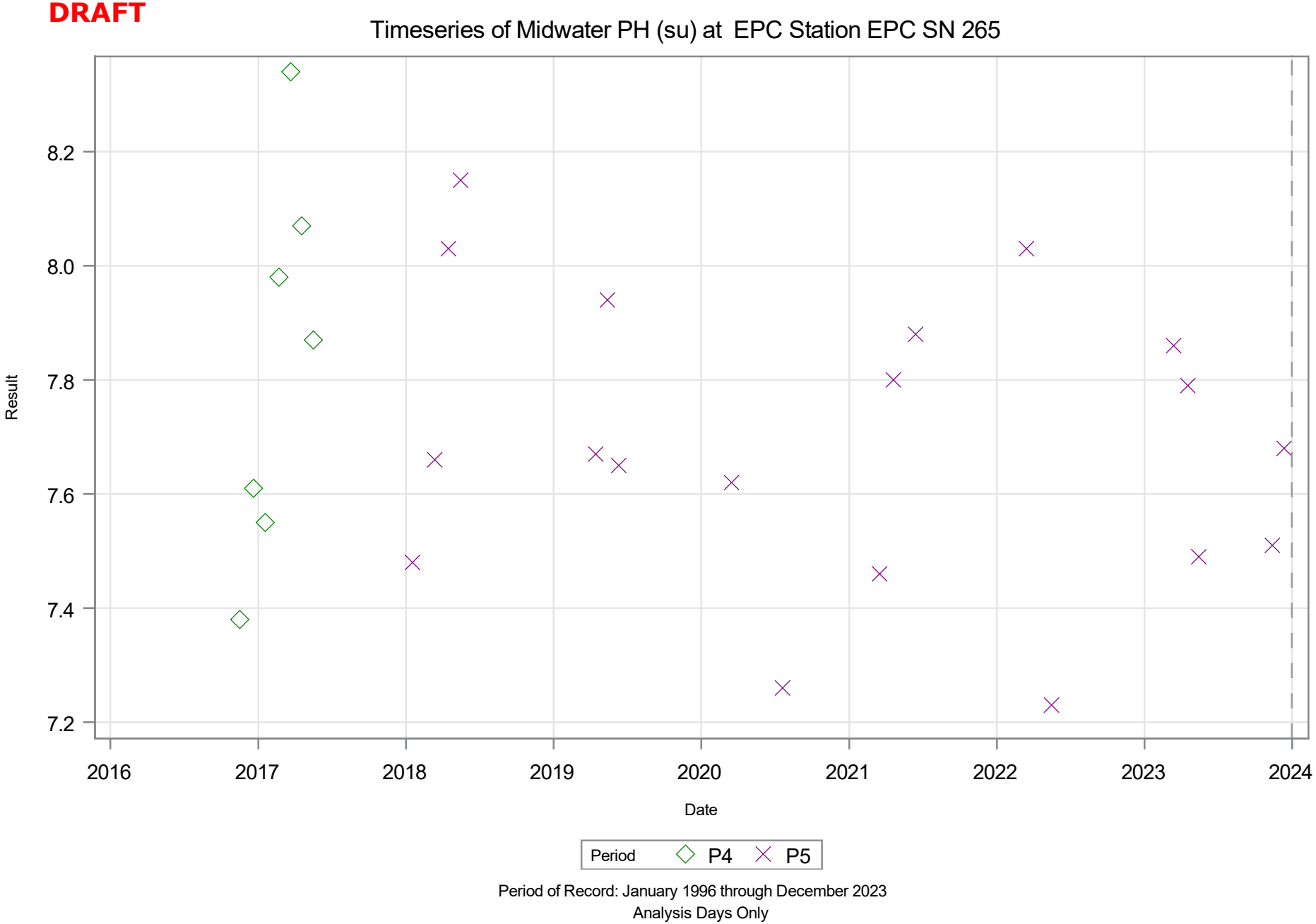
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	7	7.39	7.54	7.72	7.81	7.95	7.98
P5	19	7.08	7.31	7.49	7.47	7.62	8.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 265
8.0
7.8
7.6
7.4
7.2
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

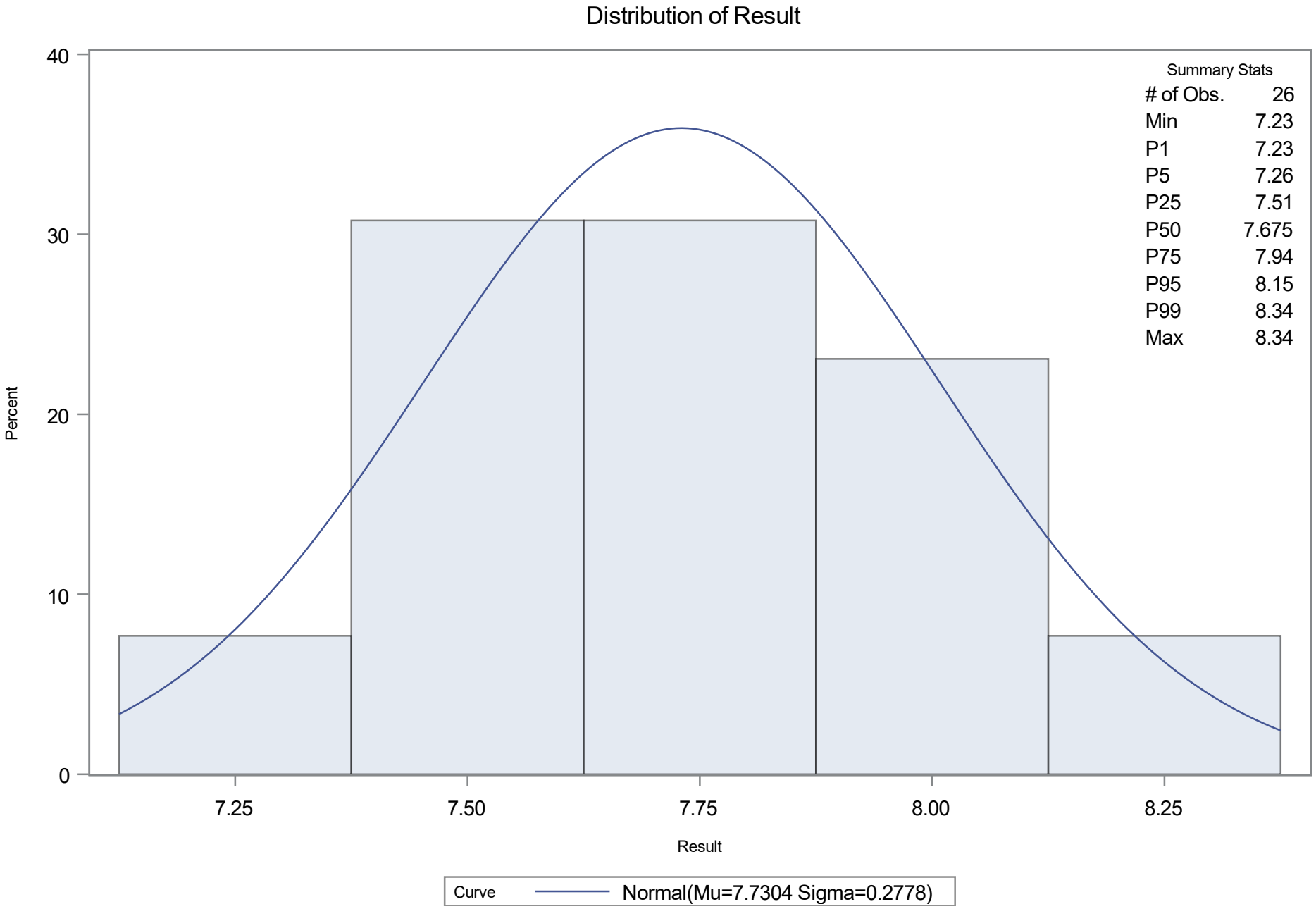
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.730385
Std Dev	Sigma	0.277798

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11042346	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02854825	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.16937479	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.23000	7.08413
5.0	7.26000	7.27345
10.0	7.38000	7.37437
25.0	7.51000	7.54301
50.0	7.67500	7.73038
75.0	7.94000	7.91776
90.0	8.07000	8.08640
95.0	8.15000	8.18732
99.0	8.34000	8.37664

Period of Record: January 1996 through December 2023
Analysis Days Only

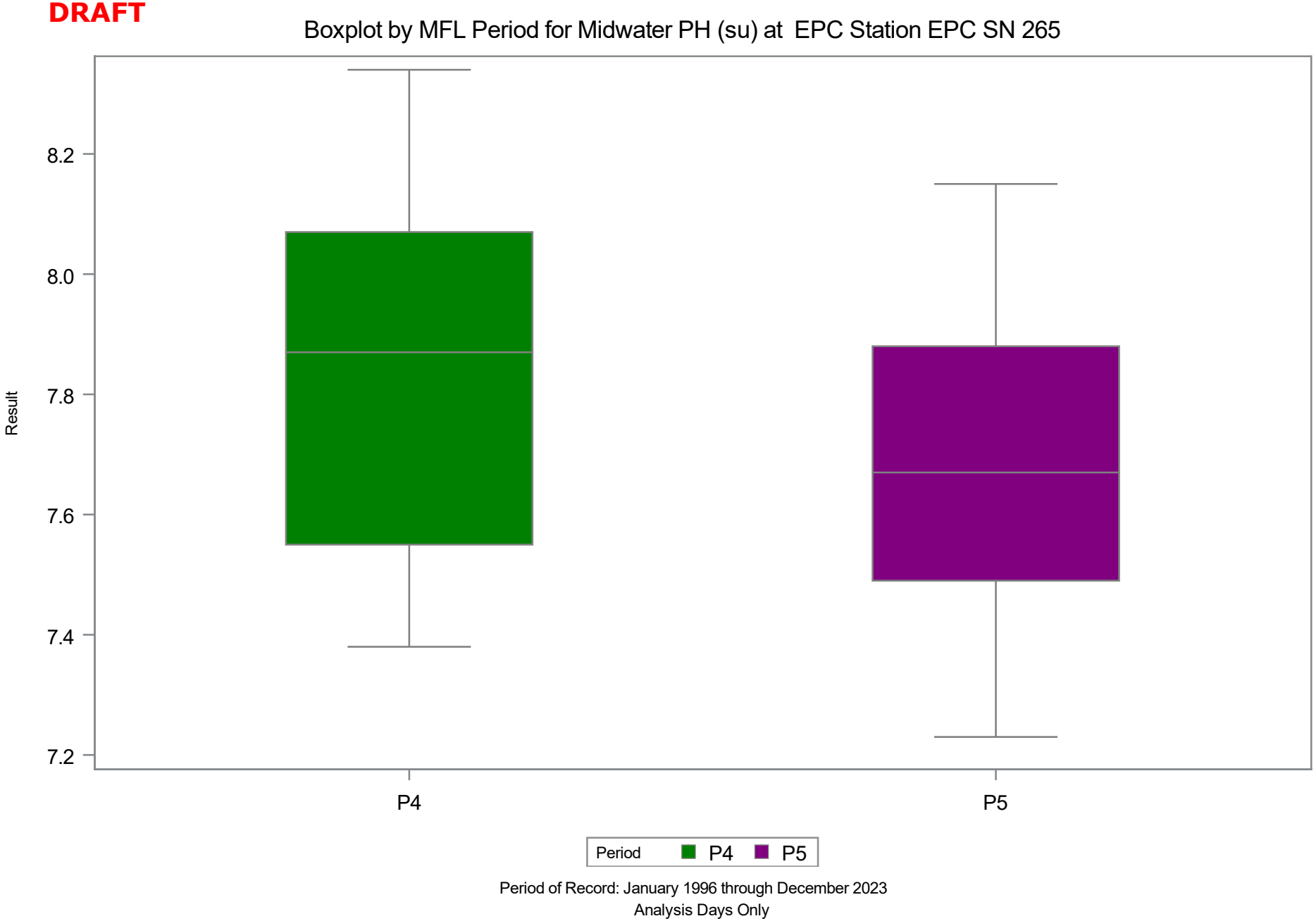
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 265

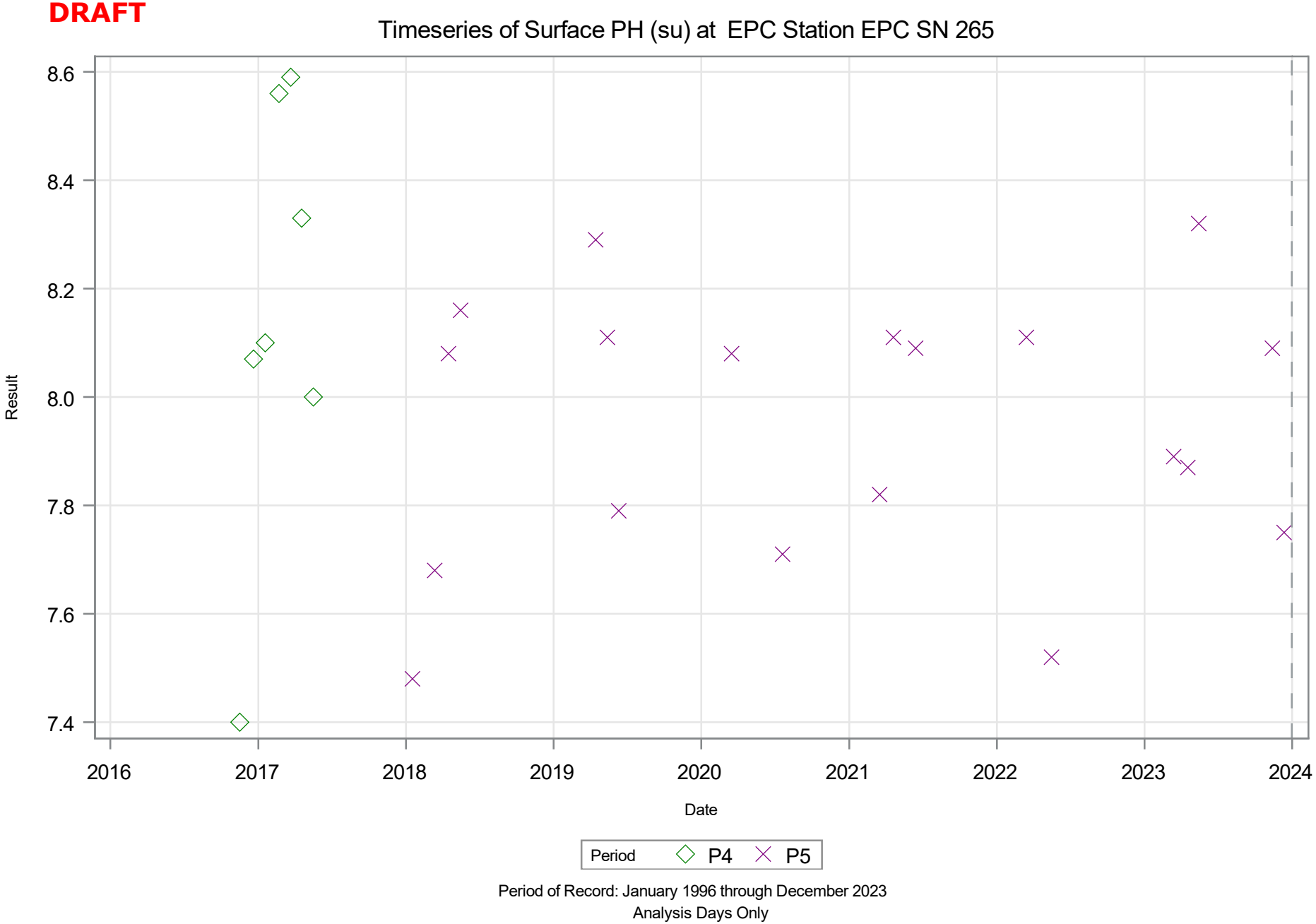
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	7	7.38	7.55	7.83	7.87	8.07	8.34
P5	19	7.23	7.49	7.69	7.67	7.88	8.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

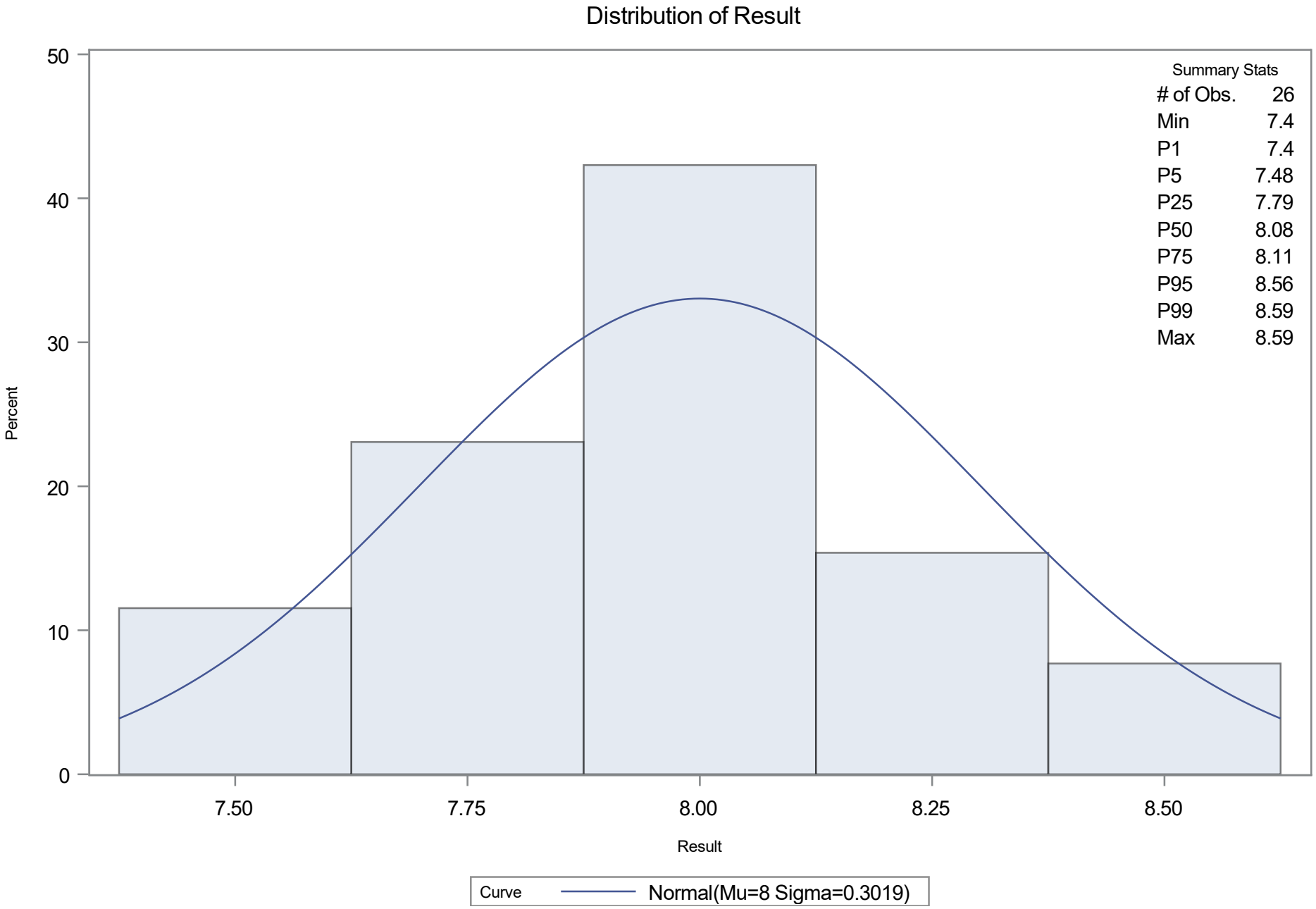

Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 265
Result
8.2
8.0
7.8
7.6
7.4
7.2
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at EPC Station EPC SN 265
Result
8.6
8.4
8.2
8.0
7.8
7.6
7.4
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8
Std Dev	Sigma	0.301874

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16860930	**Pr > D**	0.056
Cramer-von Mises	**W-Sq**	0.09108356	**Pr > W-Sq**	0.143
Anderson-Darling	**A-Sq**	0.45987426	**Pr > A-Sq**	0.245

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.40000	7.29774
5.0	7.48000	7.50346
10.0	7.52000	7.61313
25.0	7.79000	7.79639
50.0	8.08000	8.00000
75.0	8.11000	8.20361
90.0	8.33000	8.38687
95.0	8.56000	8.49654
99.0	8.59000	8.70226

Period of Record: January 1996 through December 2023
Analysis Days Only

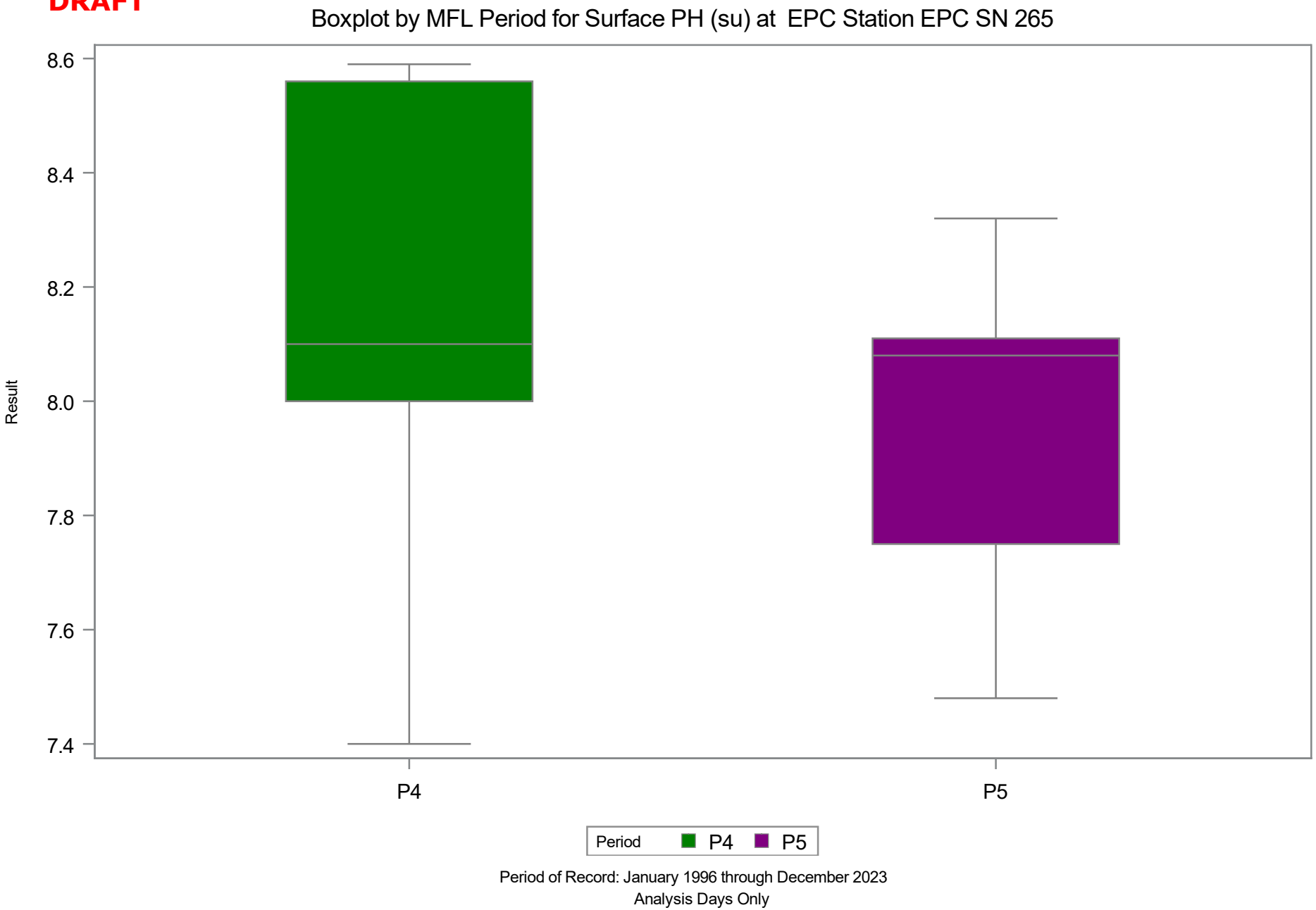
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 265

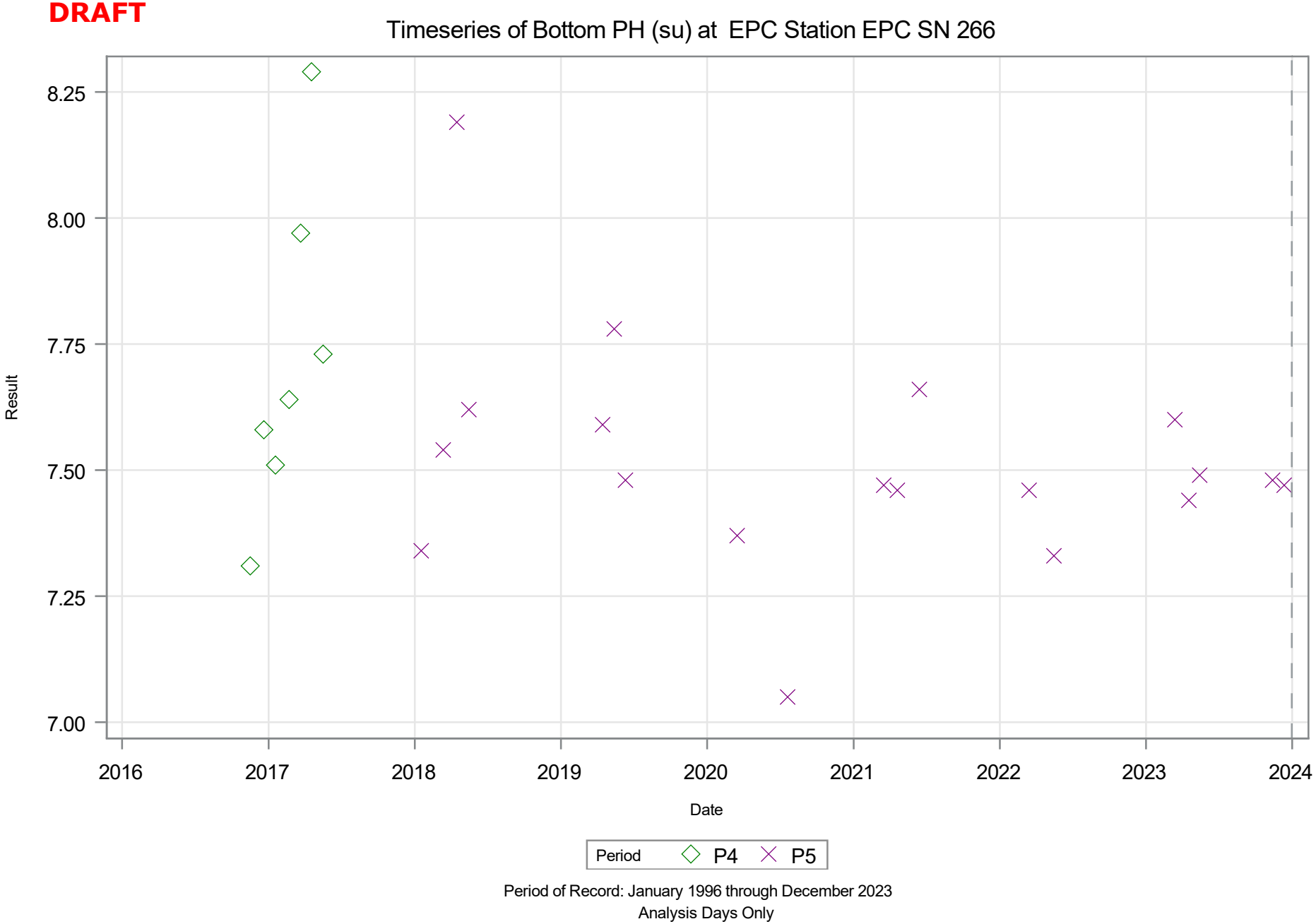
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	7	7.40	8.00	8.15	8.10	8.56	8.59
P5	19	7.48	7.75	7.94	8.08	8.11	8.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 265
Result
8.6
8.4
8.2
8.0
7.8
7.6
7.4
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

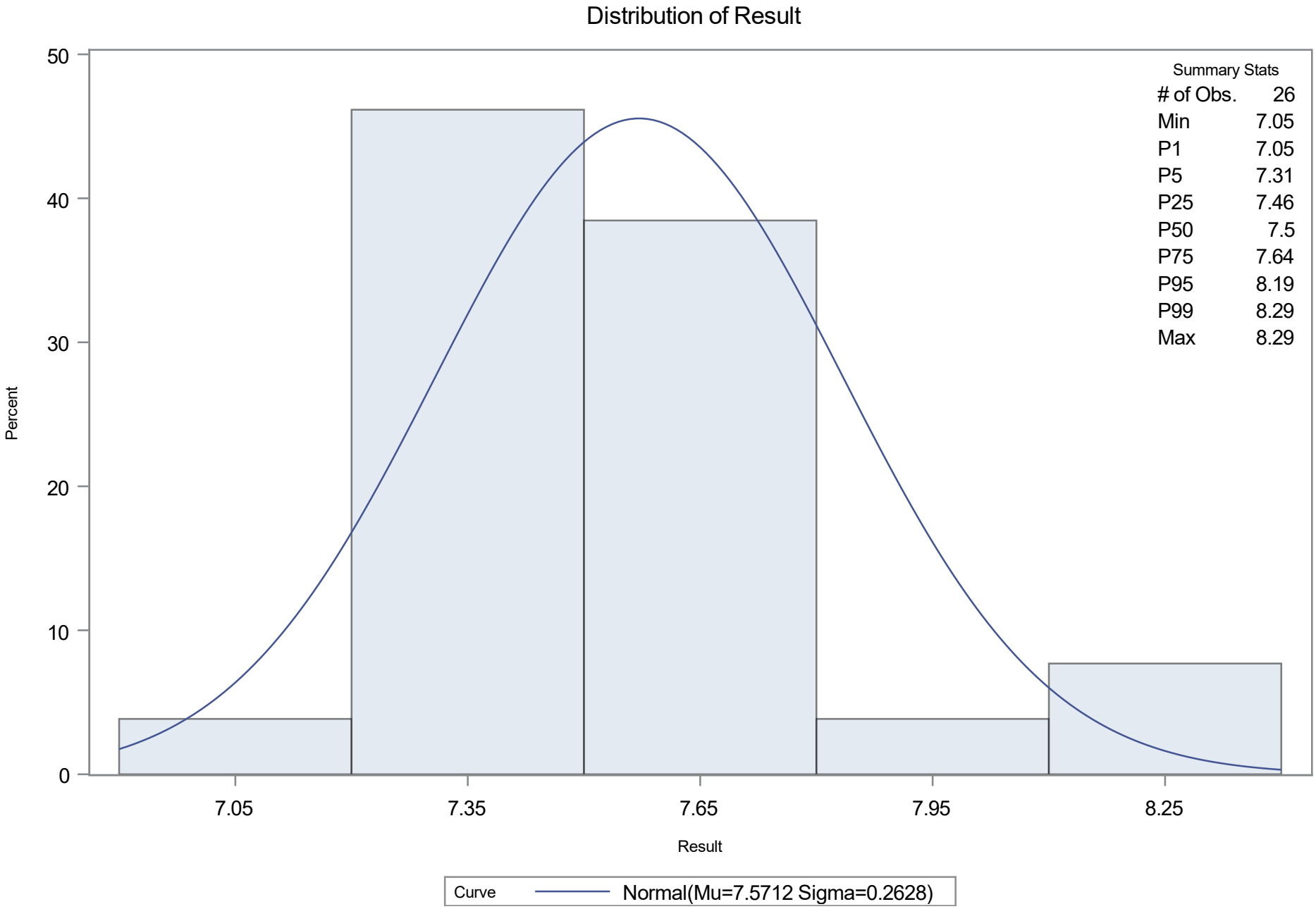
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.571154
Std Dev	Sigma	0.26276

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17532600	**Pr > D**	0.039
Cramer-von Mises	**W-Sq**	0.20683892	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.19129408	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.05000	6.95988
5.0	7.31000	7.13895
10.0	7.33000	7.23441
25.0	7.46000	7.39393
50.0	7.50000	7.57115
75.0	7.64000	7.74838
90.0	7.97000	7.90789
95.0	8.19000	8.00335
99.0	8.29000	8.18242

Period of Record: January 1996 through December 2023
Analysis Days Only

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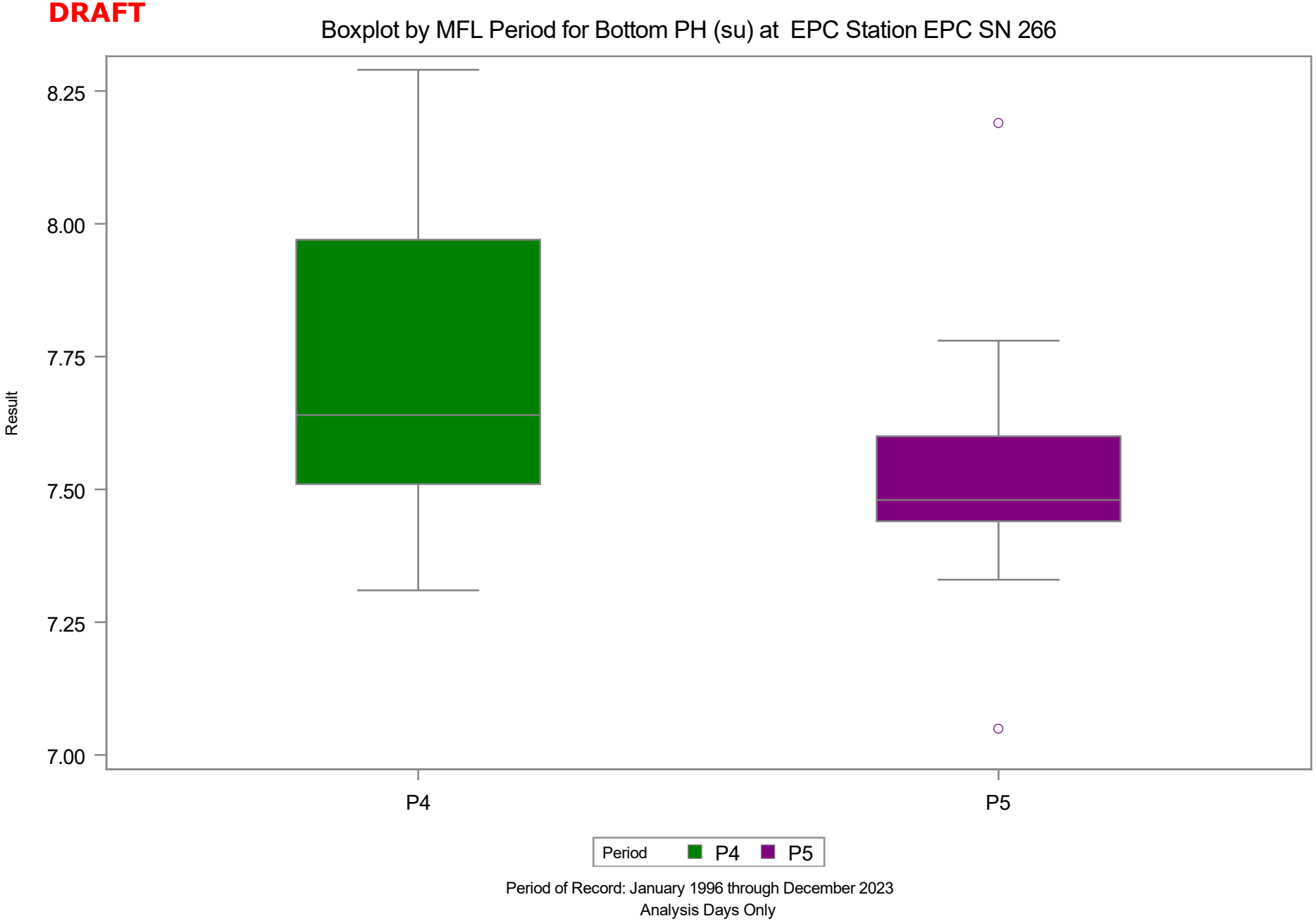
Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 266

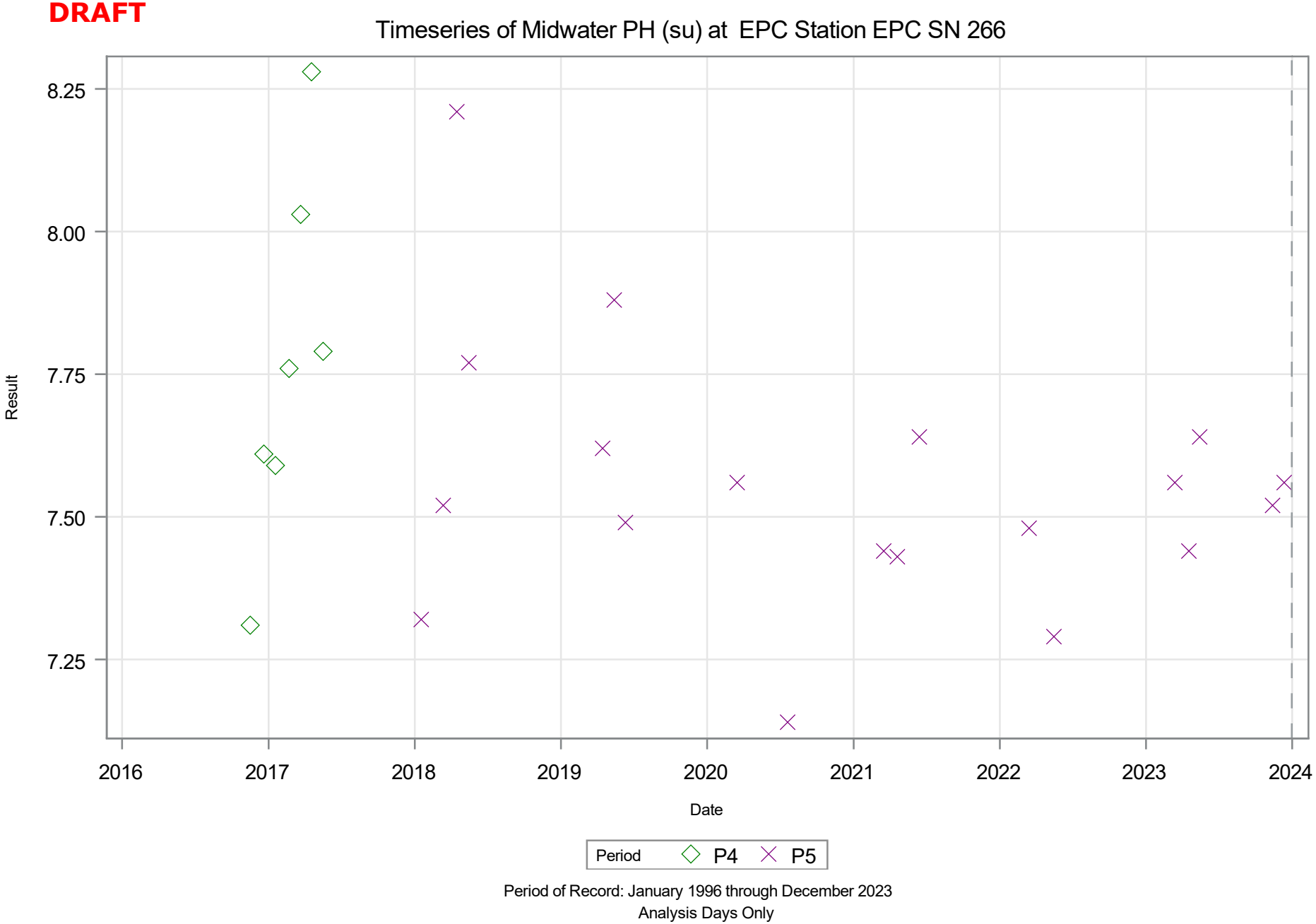
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	7	7.31	7.51	7.72	7.64	7.97	8.29
P5	19	7.05	7.44	7.52	7.48	7.60	8.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

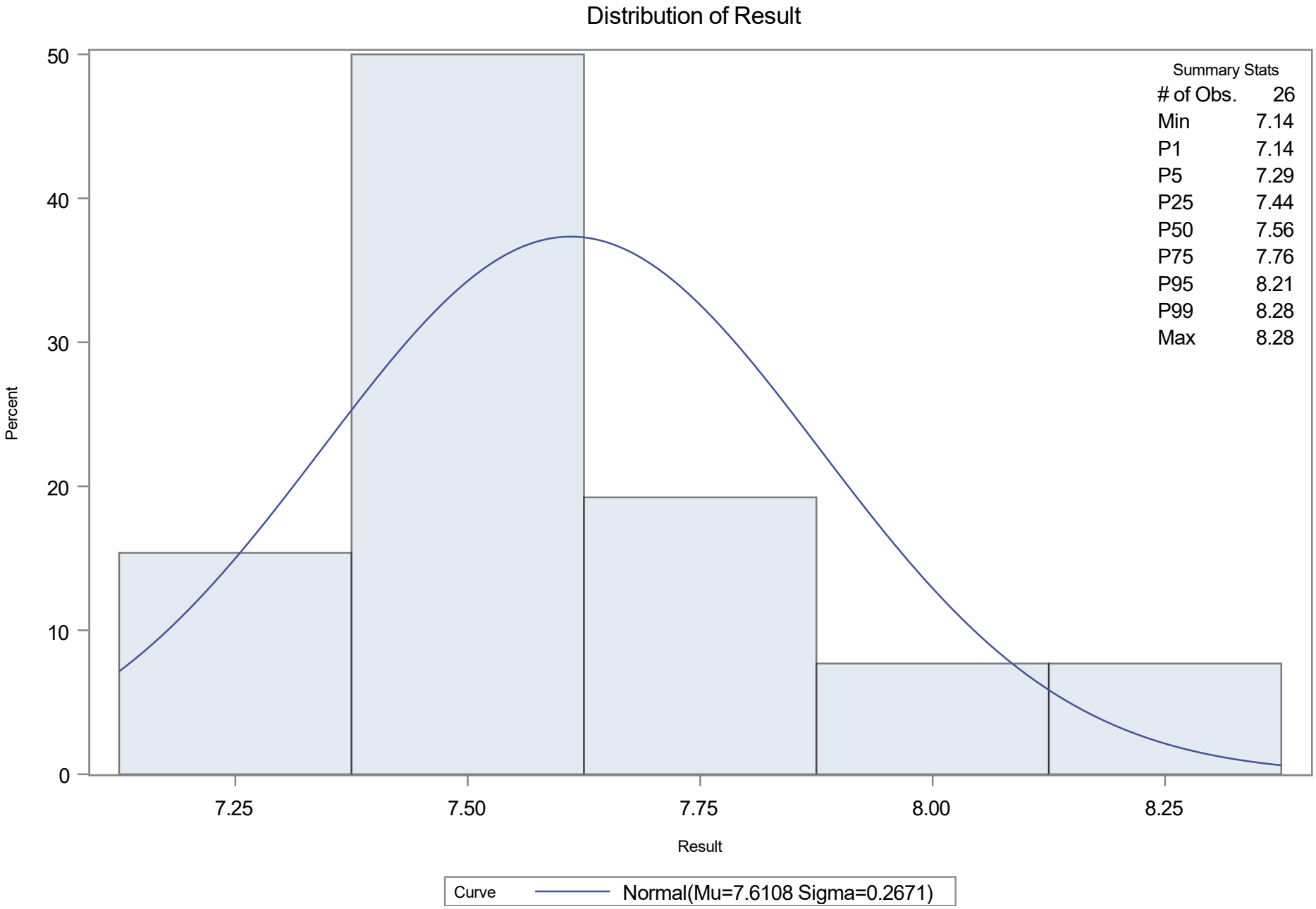

Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 266
Result
8.25
8.00
7.75
7.50
7.25
7.00
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at EPC Station EPC SN 266
Result
8.25
8.00
7.75
7.50
7.25
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.610769
Std Dev	Sigma	0.267102

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18719725	**Pr > D**	0.020
Cramer-von Mises	**W-Sq**	0.12348639	**Pr > W-Sq**	0.050
Anderson-Darling	**A-Sq**	0.71792674	**Pr > A-Sq**	0.055

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.14000	6.98940
5.0	7.29000	7.17143
10.0	7.31000	7.26846
25.0	7.44000	7.43061
50.0	7.56000	7.61077
75.0	7.76000	7.79093
90.0	8.03000	7.95307
95.0	8.21000	8.05011
99.0	8.28000	8.23214

Period of Record: January 1996 through December 2023
Analysis Days Only

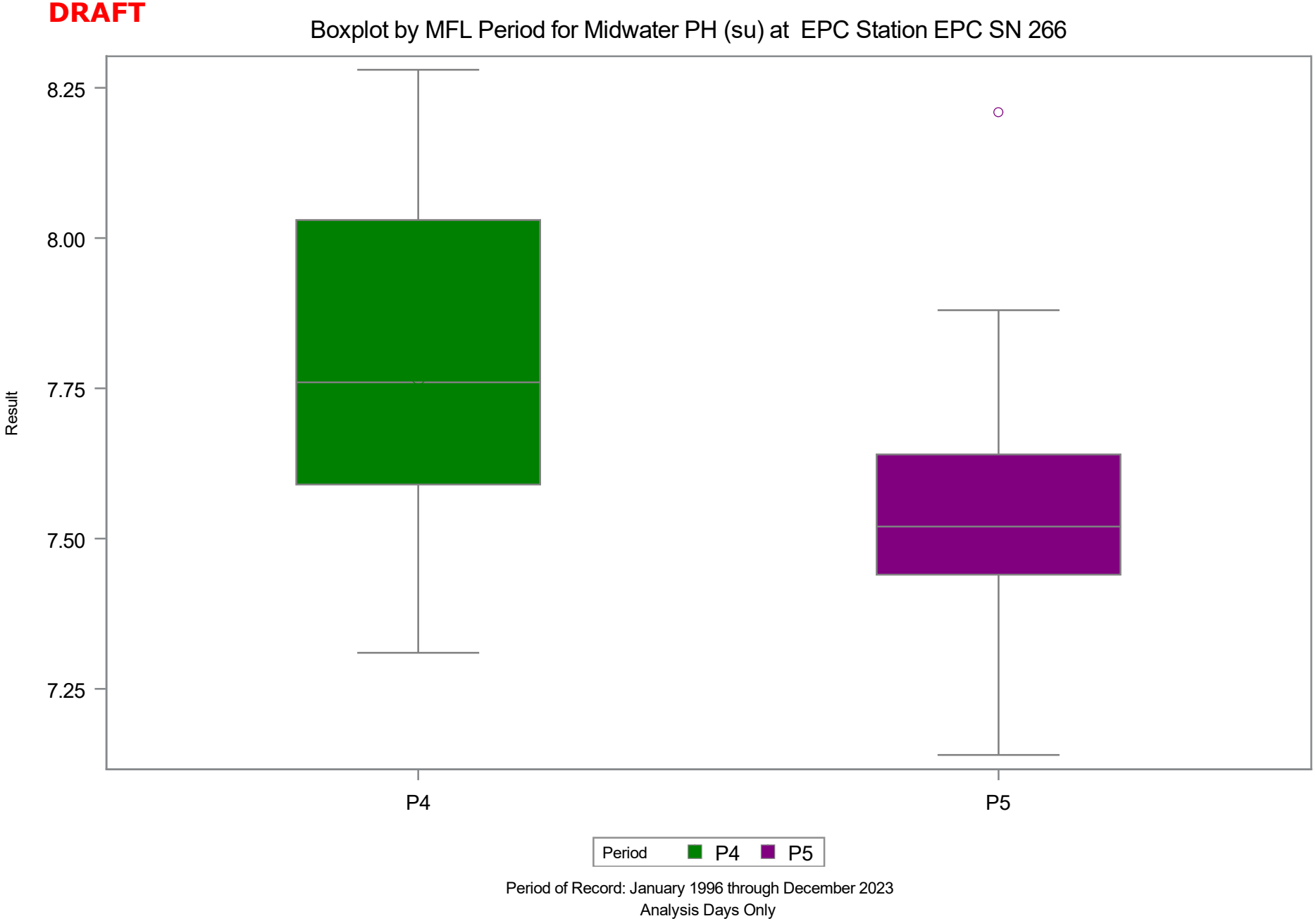
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 266

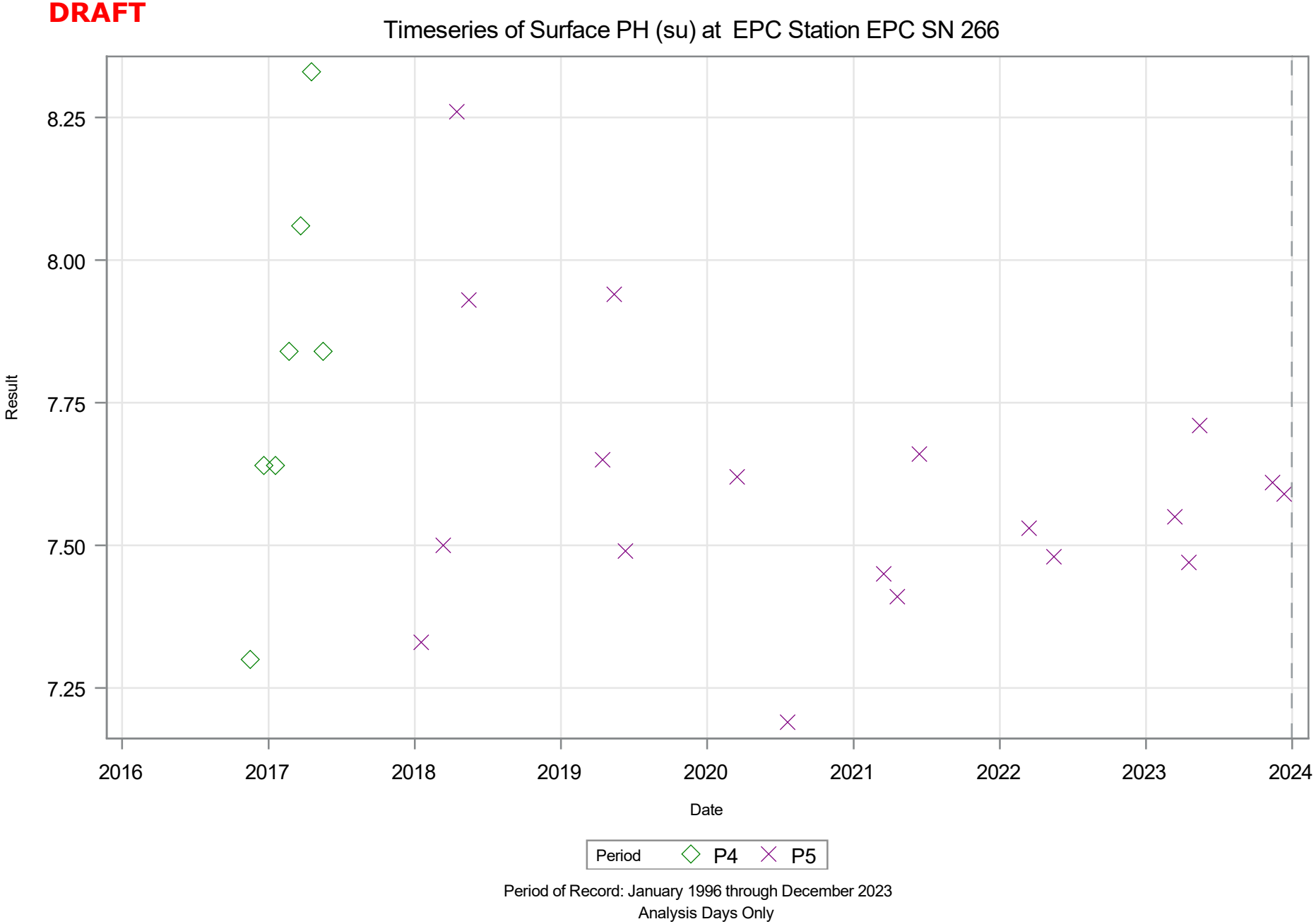
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	7	7.31	7.59	7.77	7.76	8.03	8.28
P5	19	7.14	7.44	7.55	7.52	7.64	8.21

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 266
Result
8.25
8.00
7.75
7.50
7.25
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

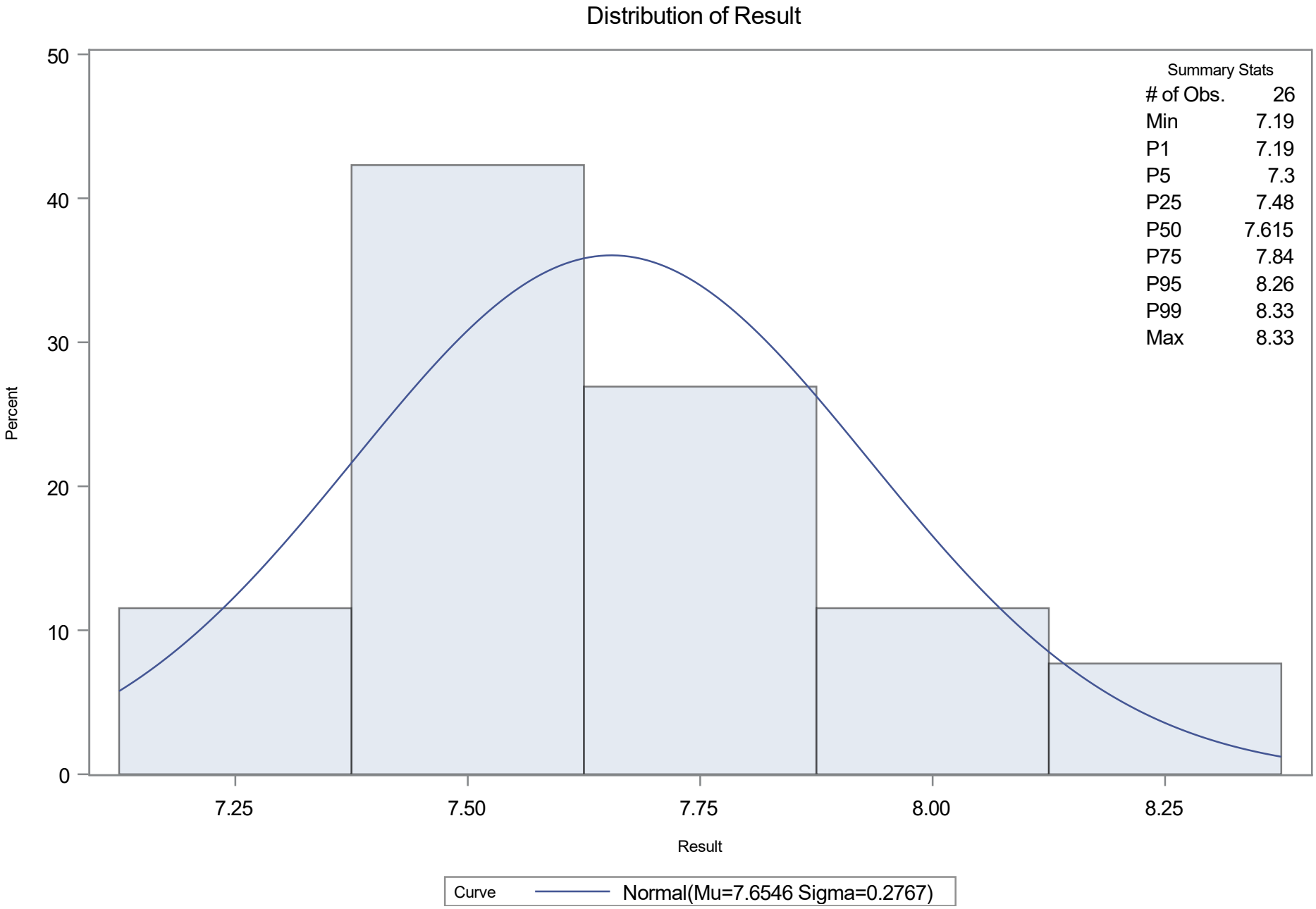
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.654615
Std Dev	Sigma	0.276741

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18454588	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.11746535	**Pr > W-Sq**	0.064
Anderson-Darling	**A-Sq**	0.65171008	**Pr > A-Sq**	0.083

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.19000	7.01082
5.0	7.30000	7.19942
10.0	7.33000	7.29996
25.0	7.48000	7.46796
50.0	7.61500	7.65462
75.0	7.84000	7.84127
90.0	8.06000	8.00927
95.0	8.26000	8.10981
99.0	8.33000	8.29841

Period of Record: January 1996 through December 2023
Analysis Days Only

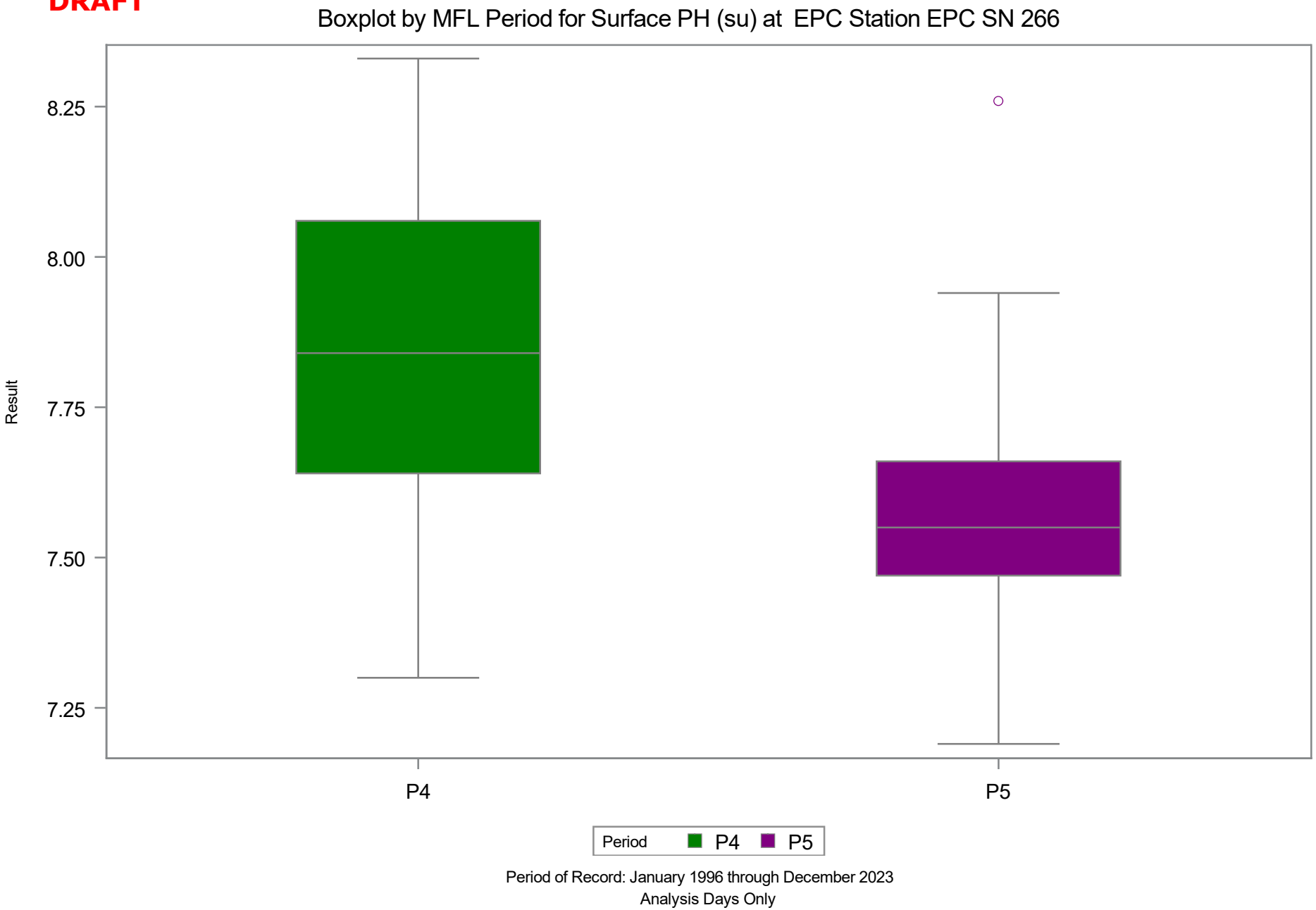
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 266

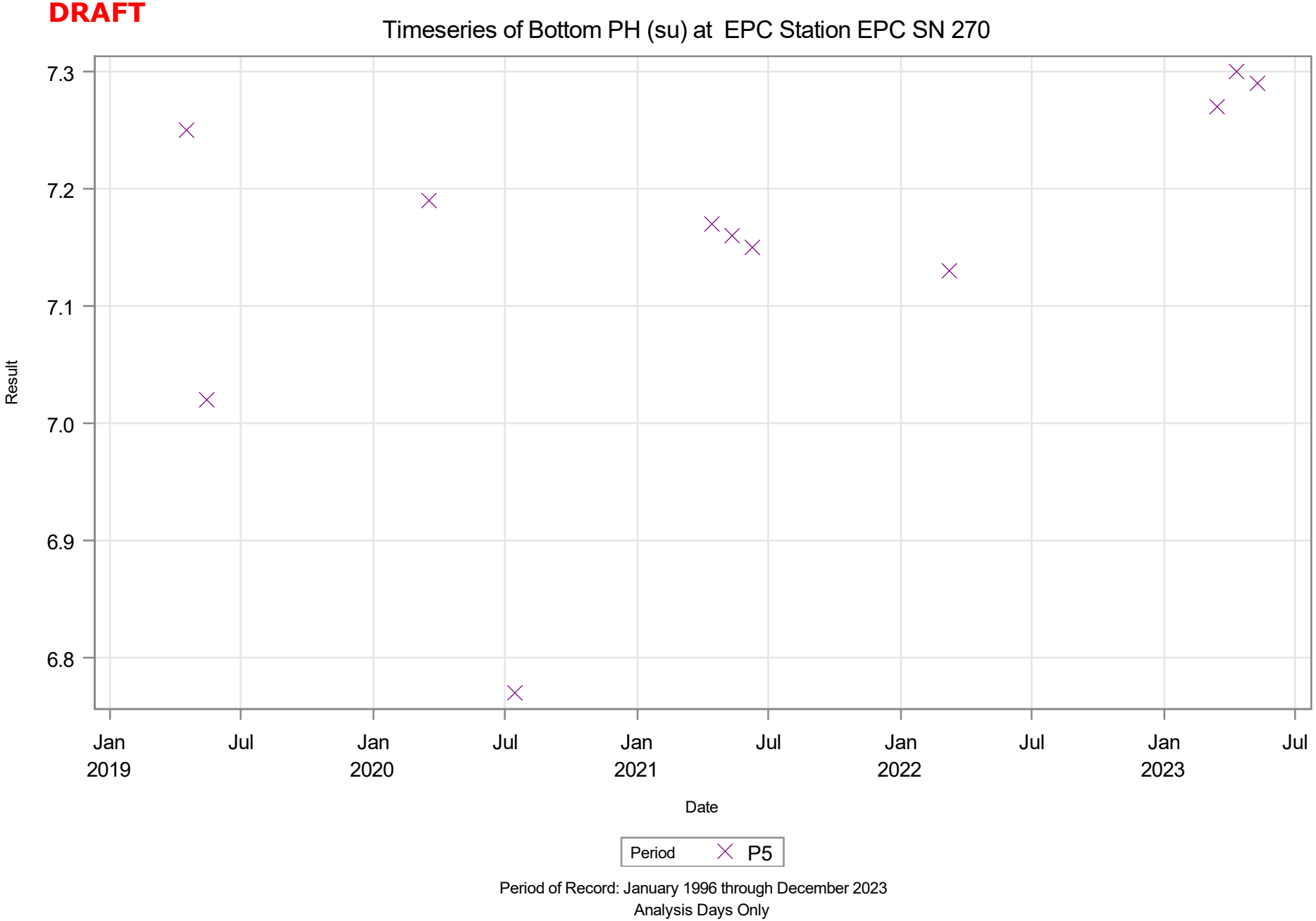
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	7	7.30	7.64	7.81	7.84	8.06	8.33
P5	19	7.19	7.47	7.60	7.55	7.66	8.26

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

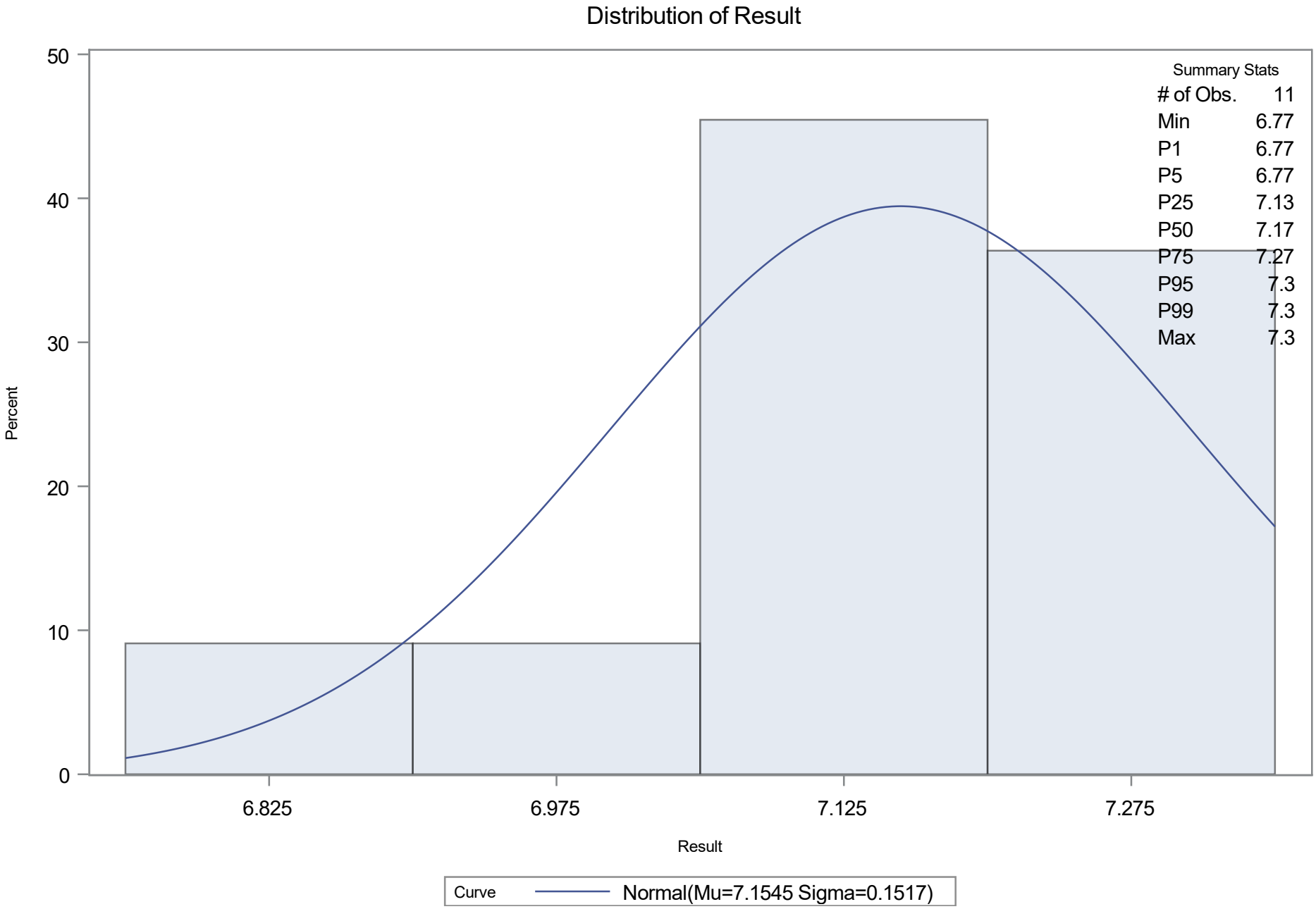

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 266
Result
8.25
8.00
7.75
7.50
7.25
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at EPC Station EPC SN 270
7.3
7.2
7.1
7.0
6.9
6.8
Result
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.154545
Std Dev	Sigma	0.151681

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25390469	**Pr > D**	0.046
Cramer-von Mises	**W-Sq**	0.11737145	**Pr > W-Sq**	0.057
Anderson-Darling	**A-Sq**	0.73797164	**Pr > A-Sq**	0.040

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.77000	6.80168
5.0	6.77000	6.90505
10.0	7.02000	6.96016
25.0	7.13000	7.05224
50.0	7.17000	7.15455
75.0	7.27000	7.25685
90.0	7.29000	7.34893
95.0	7.30000	7.40404
99.0	7.30000	7.50741

Period of Record: January 1996 through December 2023
Analysis Days Only

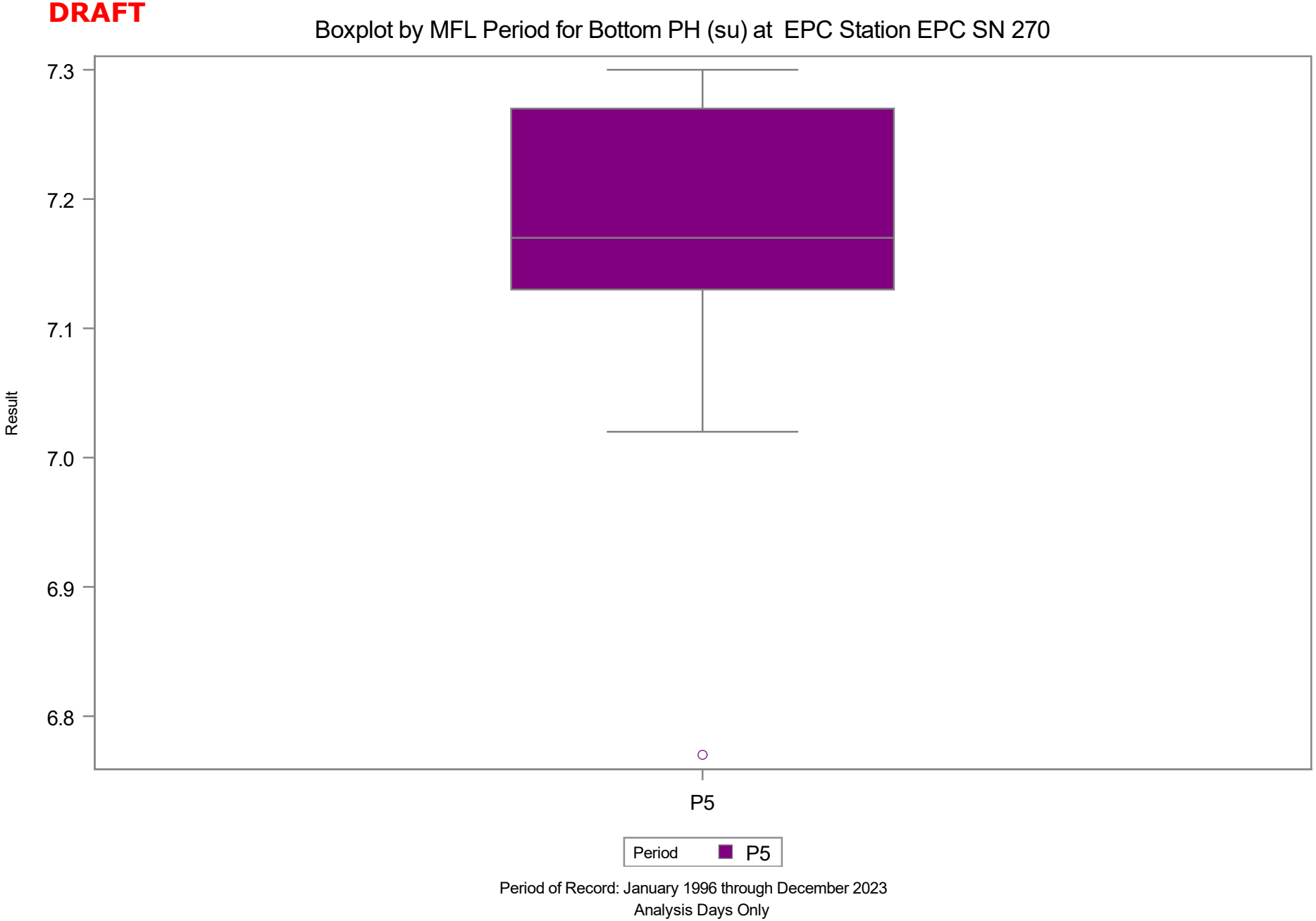
DRAFT

Distributional Statistics by Period for Bottom PH (su) at EPC Station EPC SN 270

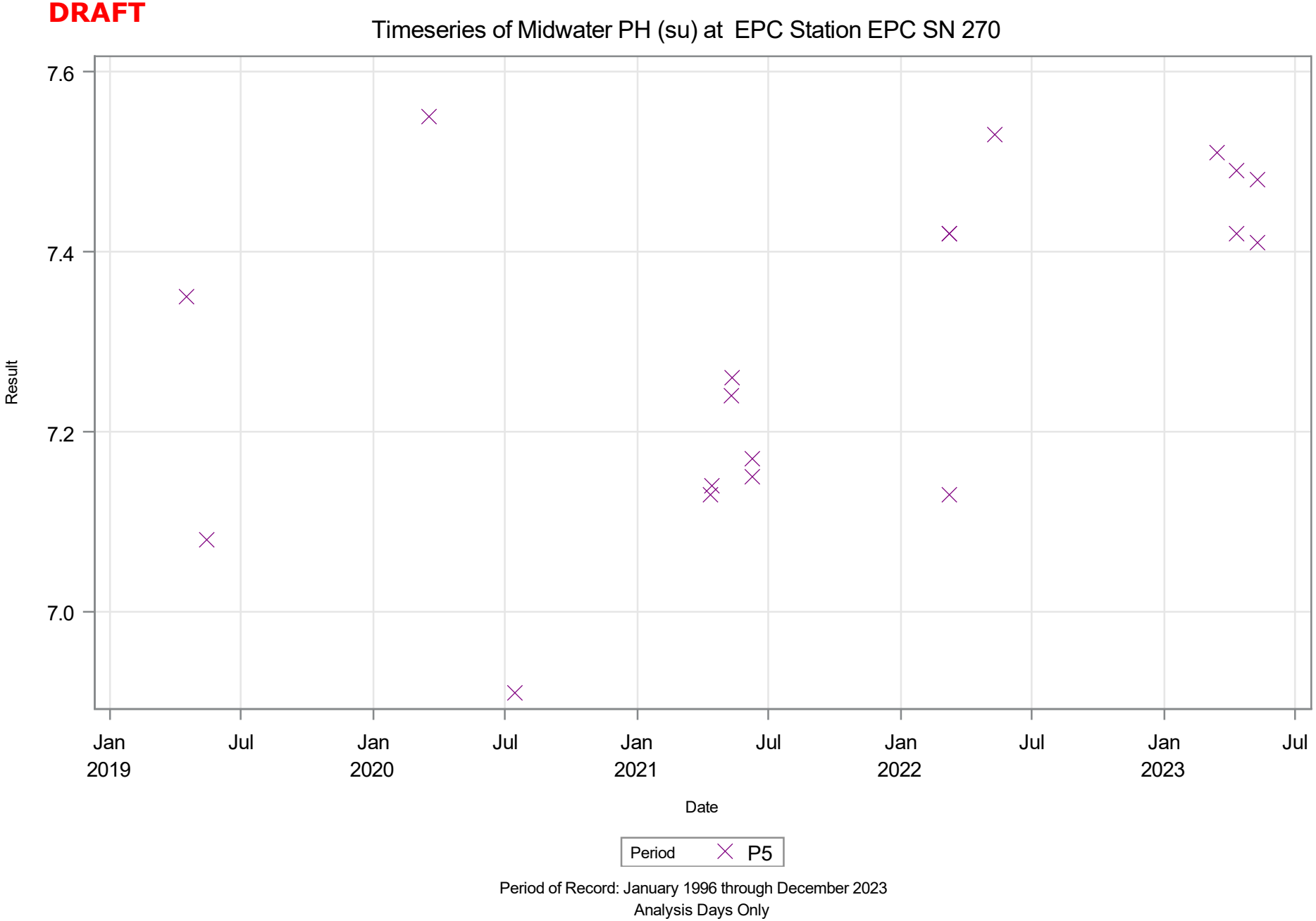
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	11	6.77	7.13	7.15	7.17	7.27	7.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at EPC Station EPC SN 270
Result
7.3
7.2
7.1
7.0
6.9
6.8
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

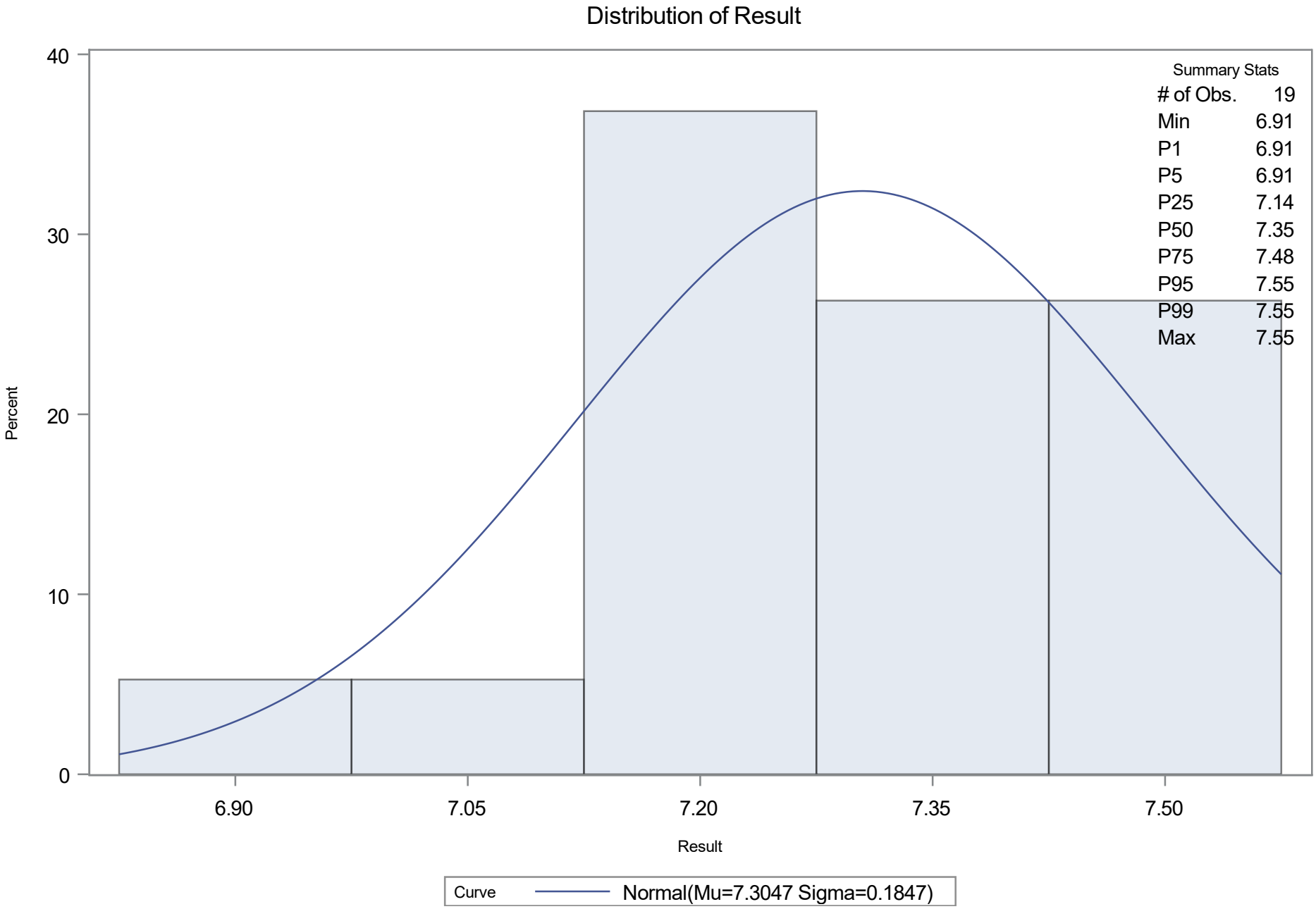
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.304737
Std Dev	Sigma	0.184673

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18934460	**Pr > D**	0.073
Cramer-von Mises	**W-Sq**	0.10165215	**Pr > W-Sq**	0.099
Anderson-Darling	**A-Sq**	0.59091227	**Pr > A-Sq**	0.109

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.91000	6.87512
5.0	6.91000	7.00098
10.0	7.08000	7.06807
25.0	7.14000	7.18018
50.0	7.35000	7.30474
75.0	7.48000	7.42930
90.0	7.53000	7.54140
95.0	7.55000	7.60850
99.0	7.55000	7.73435

Period of Record: January 1996 through December 2023
Analysis Days Only

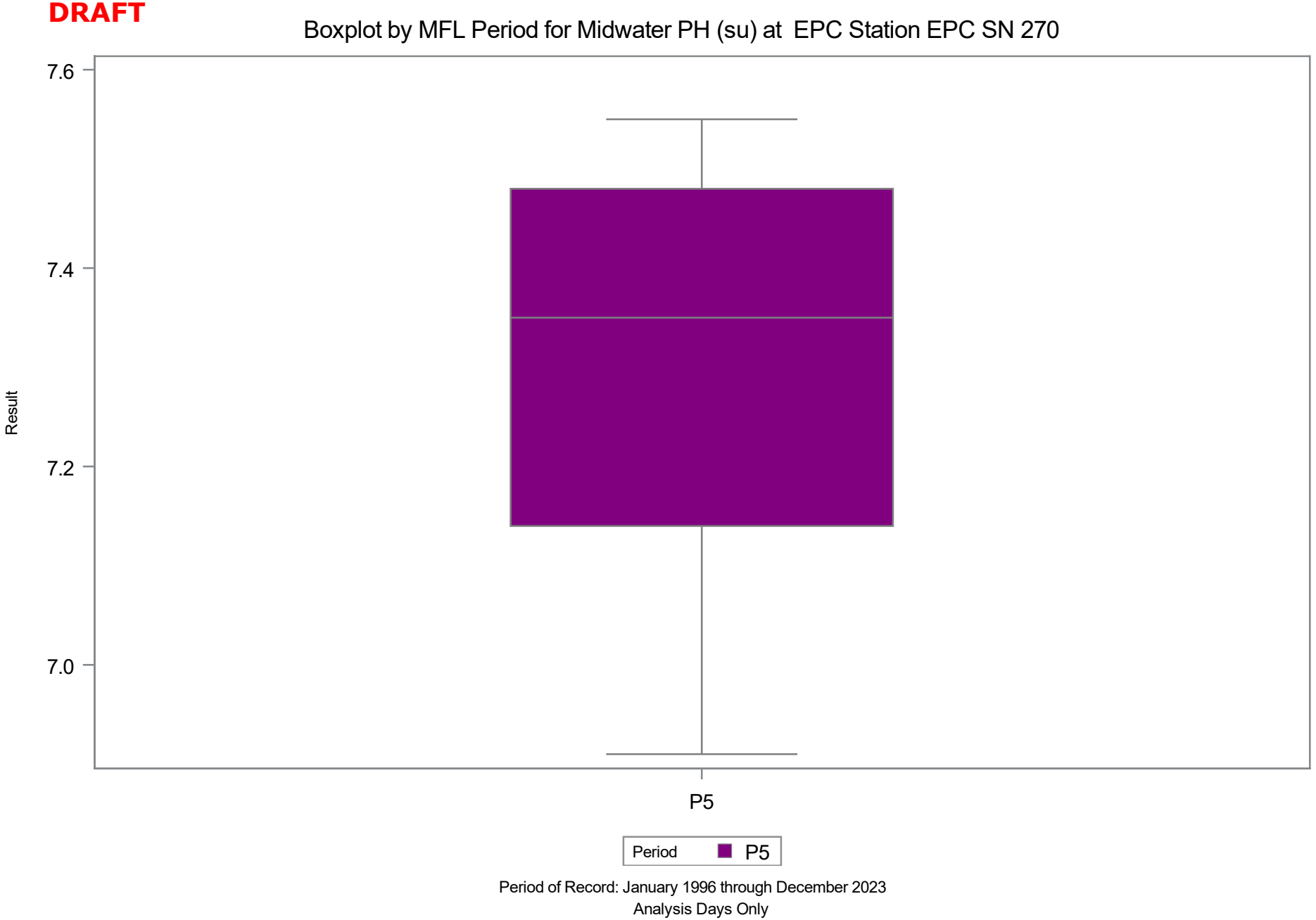
DRAFT

Distributional Statistics by Period for Midwater PH (su) at EPC Station EPC SN 270

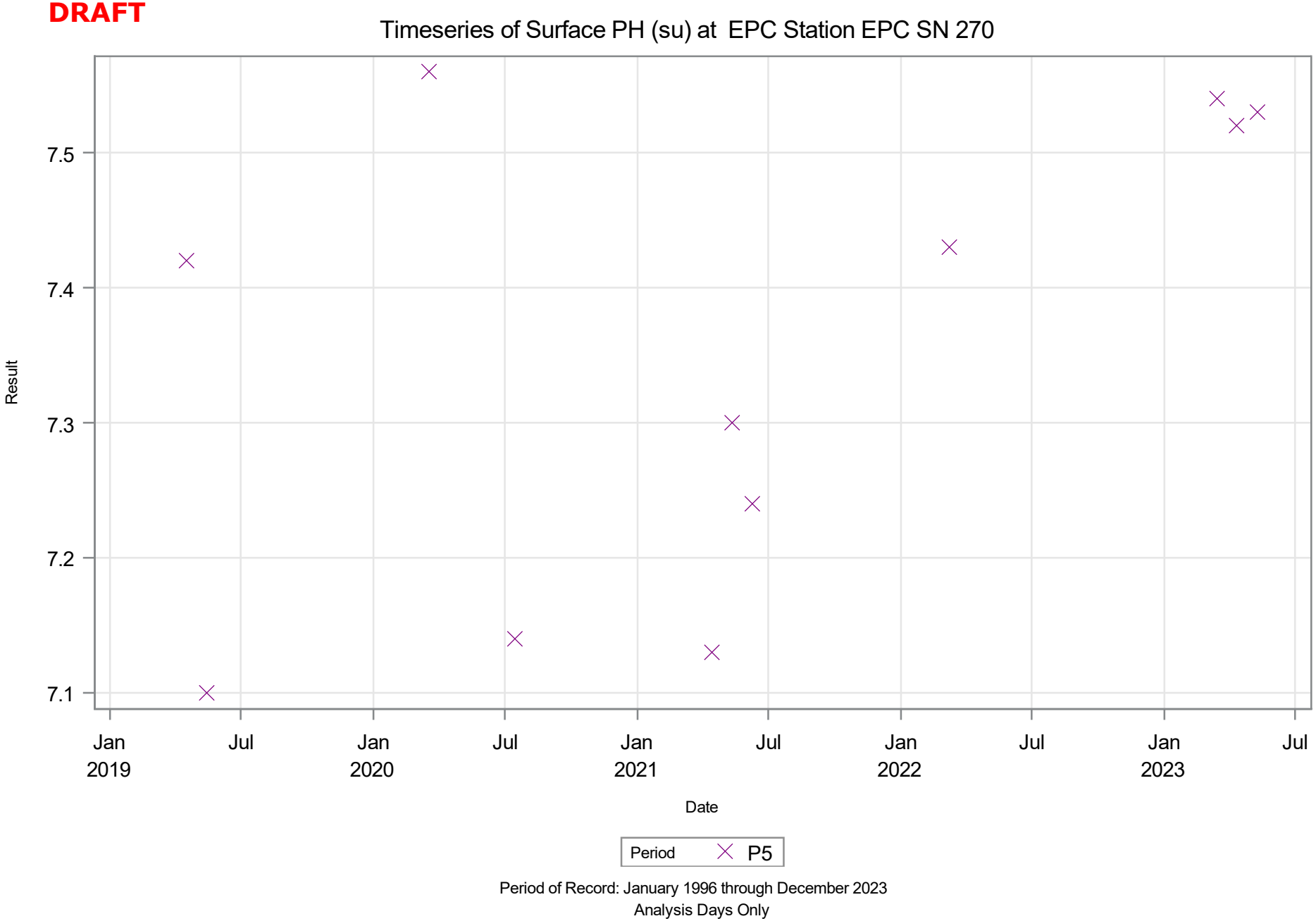
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	19	6.91	7.14	7.30	7.35	7.48	7.55

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at EPC Station EPC SN 270
7.6
7.4
7.2
7.0
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

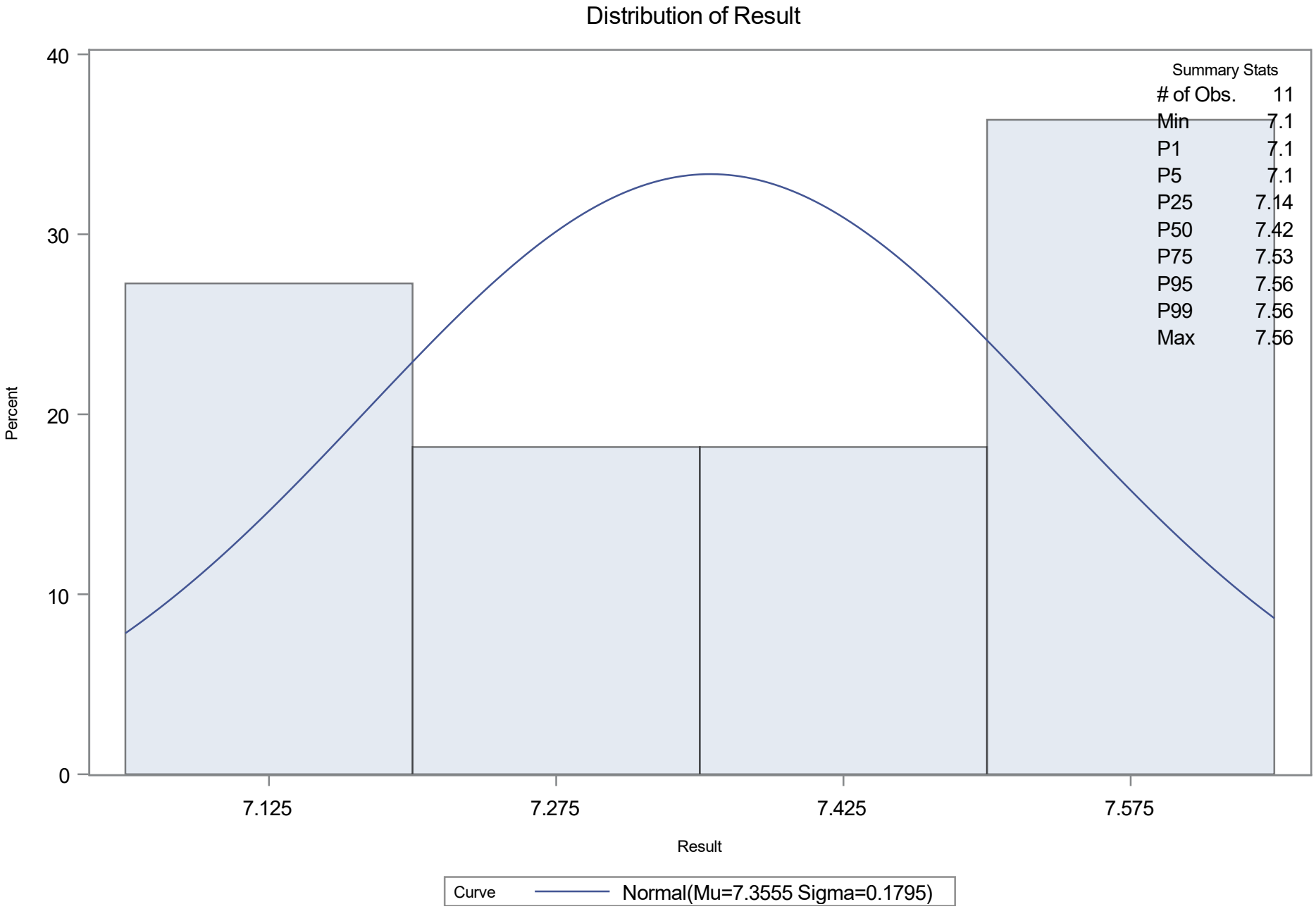
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.355455
Std Dev	Sigma	0.179464

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18590277	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08113400	**Pr > W-Sq**	0.186
Anderson-Darling	**A-Sq**	0.53822578	**Pr > A-Sq**	0.133

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.10000	6.93796
5.0	7.10000	7.06026
10.0	7.13000	7.12546
25.0	7.14000	7.23441
50.0	7.42000	7.35545
75.0	7.53000	7.47650
90.0	7.54000	7.58545
95.0	7.56000	7.65065
99.0	7.56000	7.77295

Period of Record: January 1996 through December 2023
Analysis Days Only

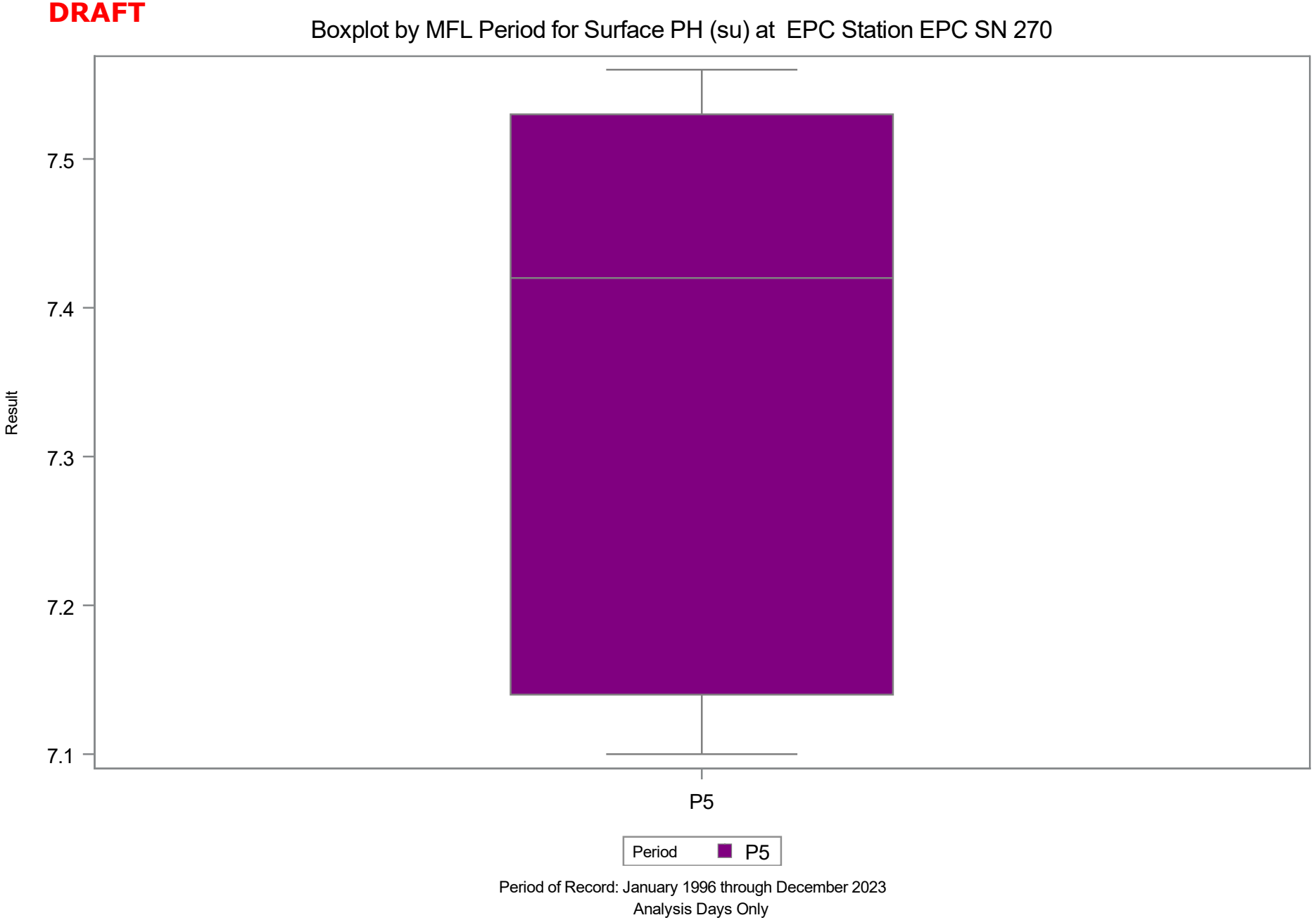
DRAFT

Distributional Statistics by Period for Surface PH (su) at EPC Station EPC SN 270

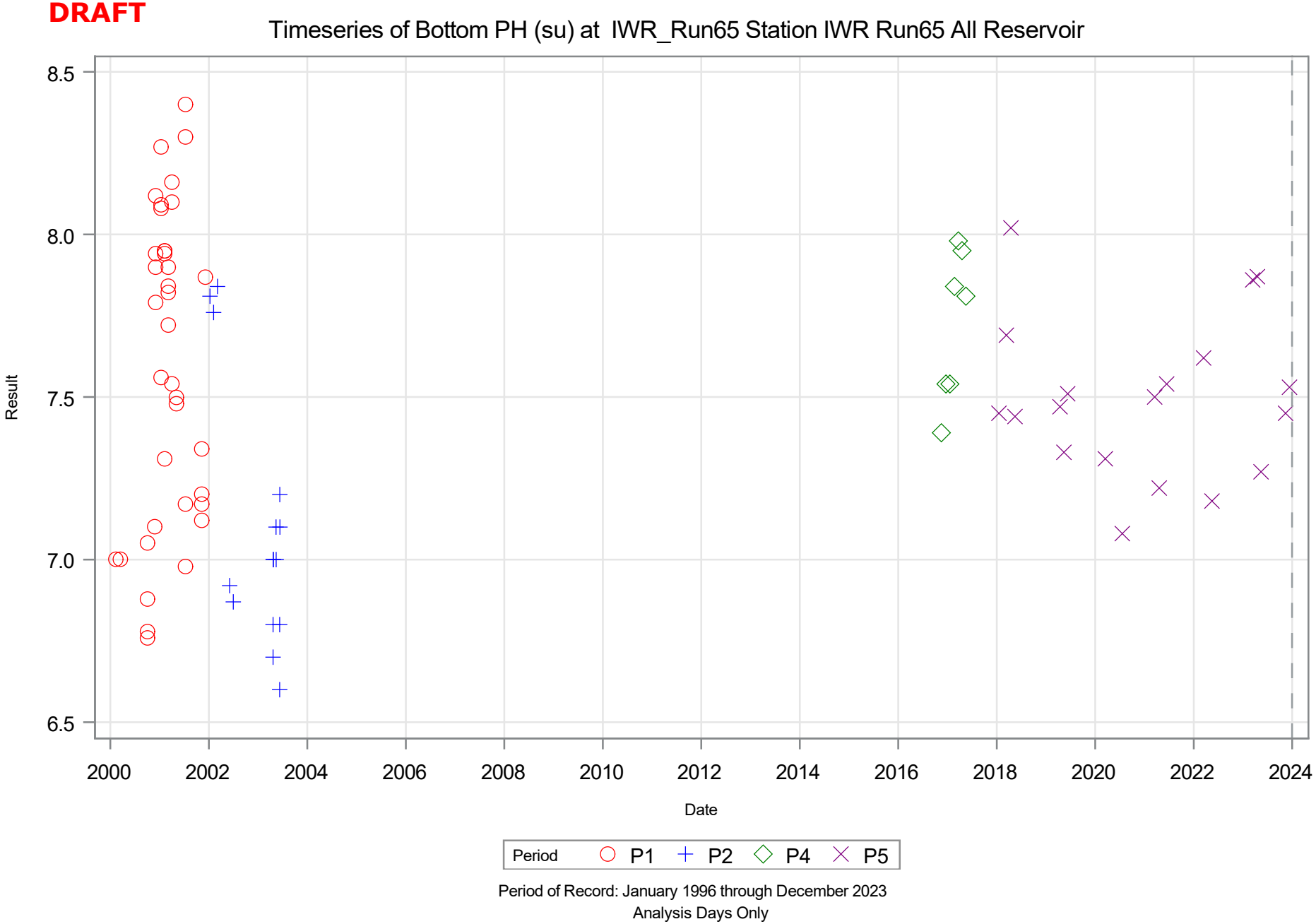
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	11	7.10	7.14	7.36	7.42	7.53	7.56

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

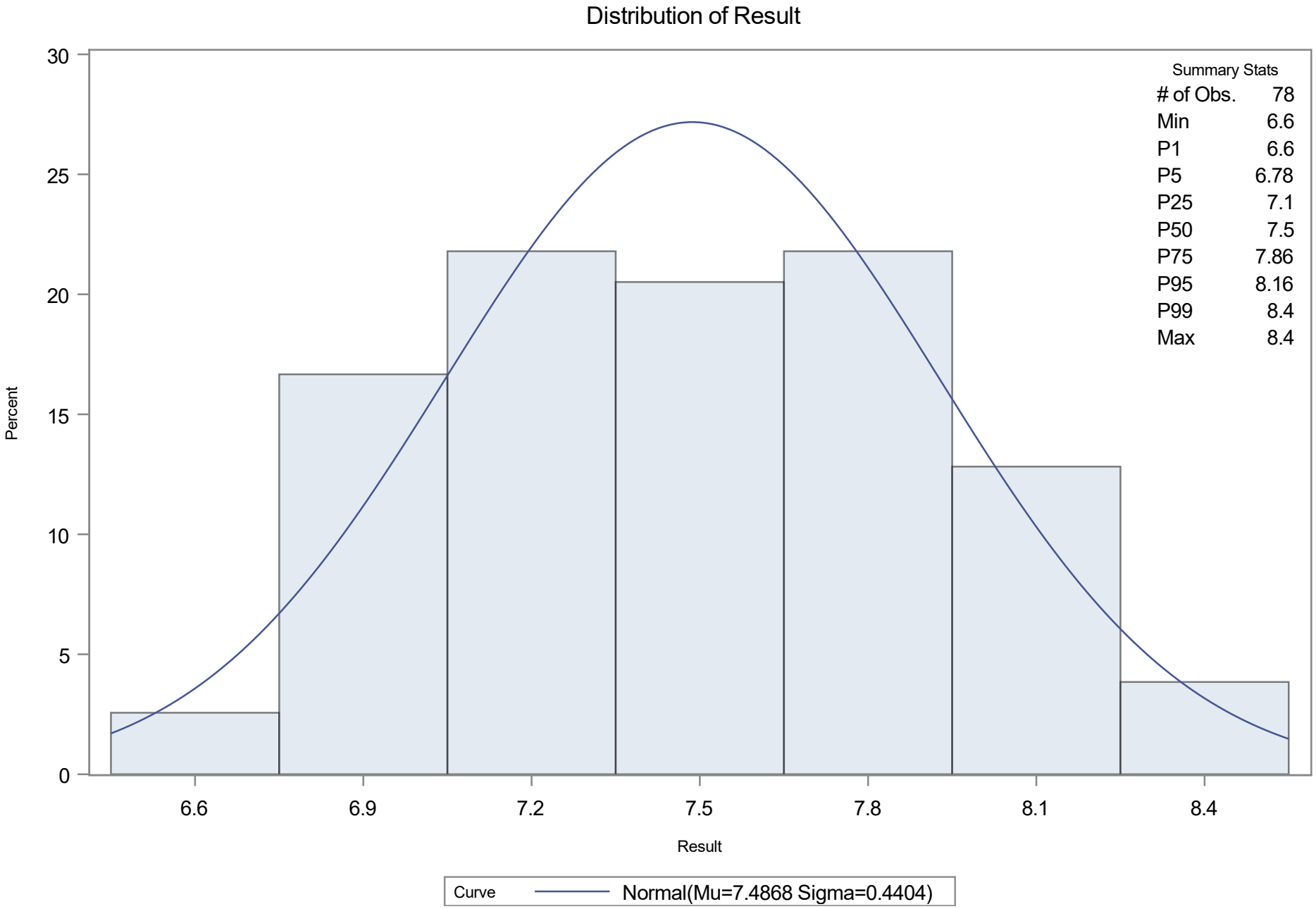

Boxplot by MFL Period for Surface PH (su) at EPC Station EPC SN 270
Result
7.5
7.4
7.3
7.2
7.1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at IWR_Run65 Station IWR Run65 All Reservoir
Result
8.5
8.0
7.5
7.0
6.5
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.486795
Std Dev	Sigma	0.440385

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10183304	**Pr > D**	0.045
Cramer-von Mises	**W-Sq**	0.12095355	**Pr > W-Sq**	0.060
Anderson-Darling	**A-Sq**	0.71948963	**Pr > A-Sq**	0.060

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.60000	6.46231
5.0	6.78000	6.76243
10.0	6.88000	6.92242
25.0	7.10000	7.18976
50.0	7.50000	7.48679
75.0	7.86000	7.78383
90.0	8.08000	8.05117
95.0	8.16000	8.21116
99.0	8.40000	8.51128

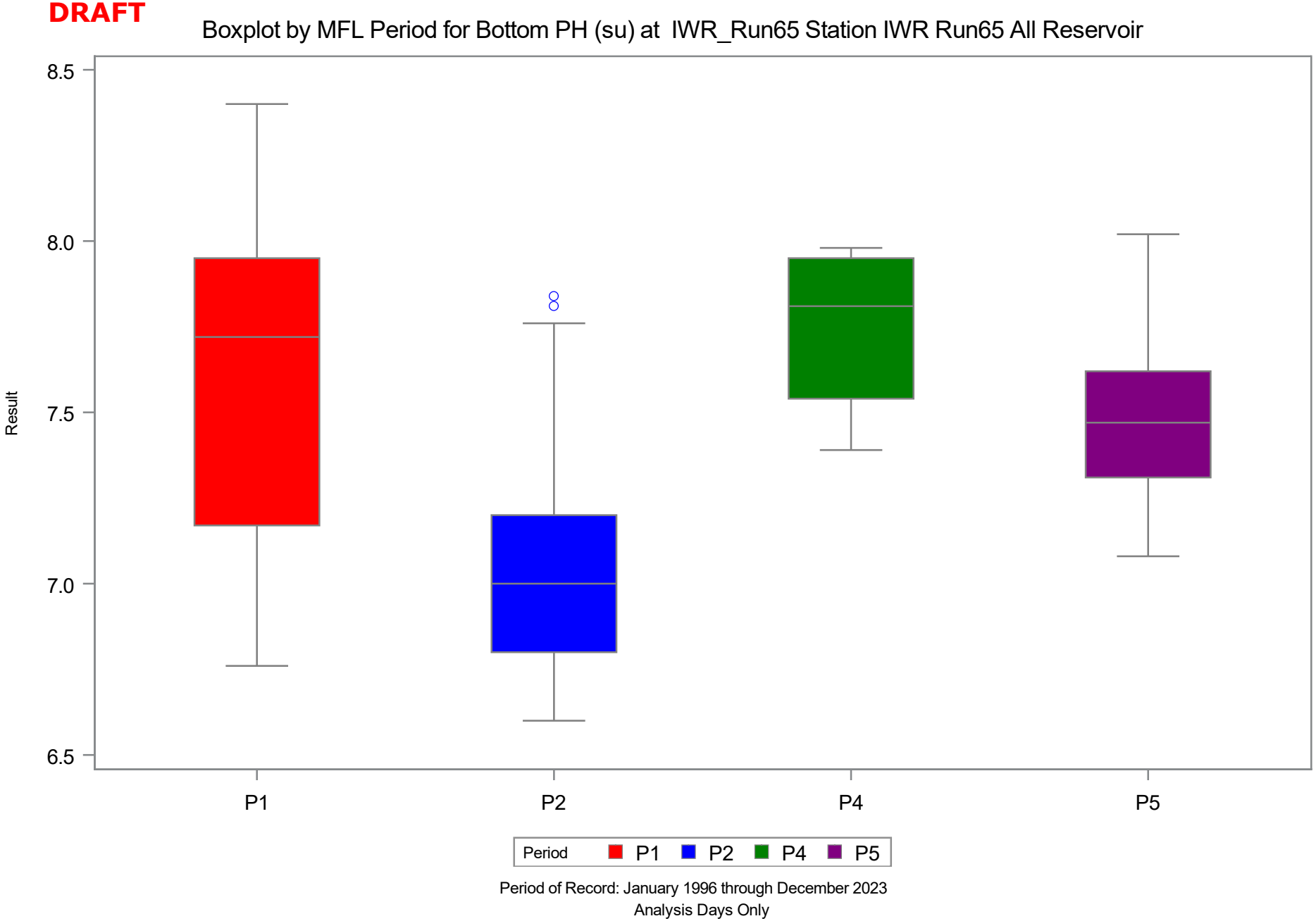
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at IWR_Run65 Station IWR Run65 All Reservoir**

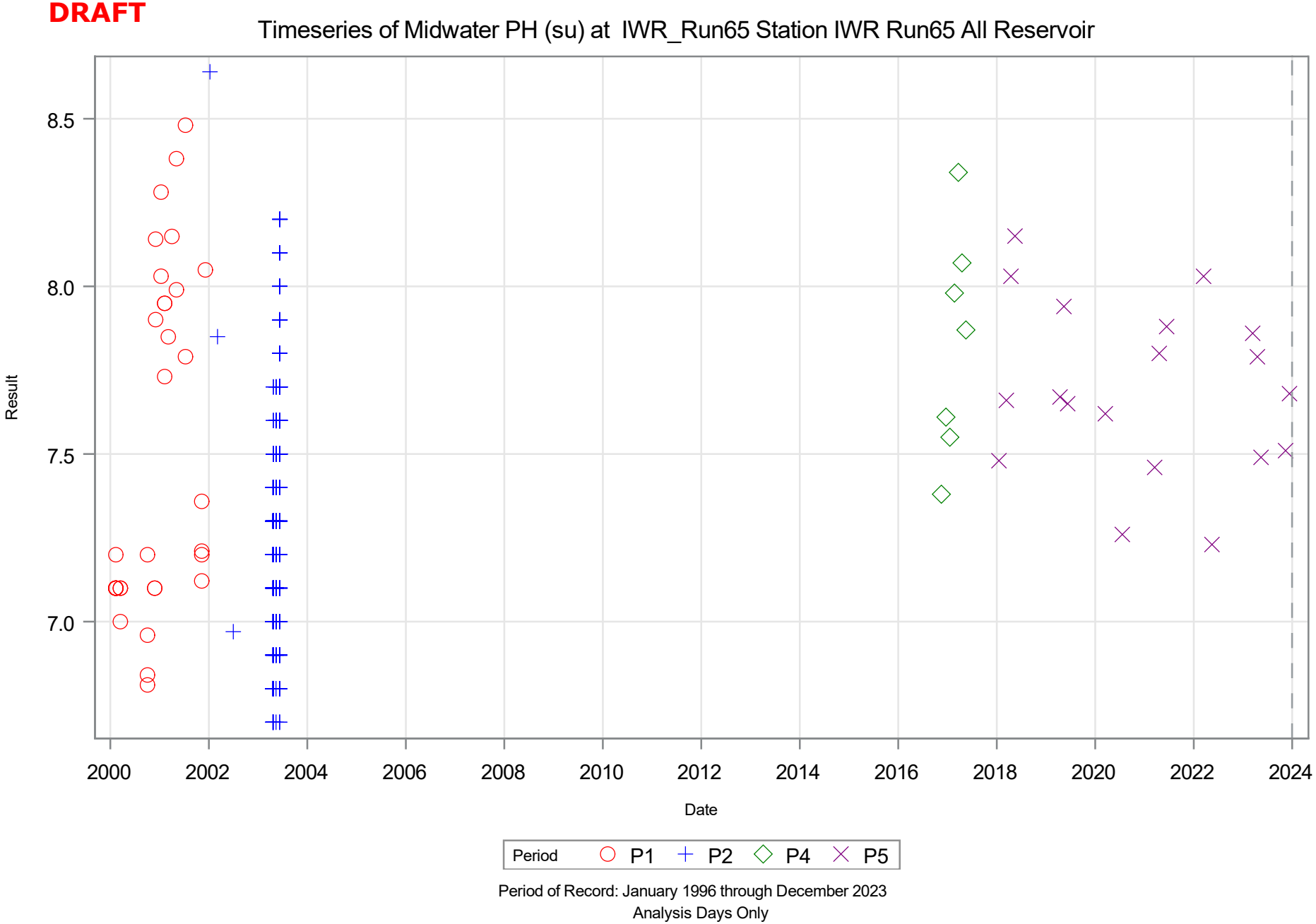
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	6.76	7.17	7.60	7.72	7.95	8.40
P2	15	6.60	6.80	7.10	7.00	7.20	7.84
P4	7	7.39	7.54	7.72	7.81	7.95	7.98
P5	19	7.08	7.31	7.49	7.47	7.62	8.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

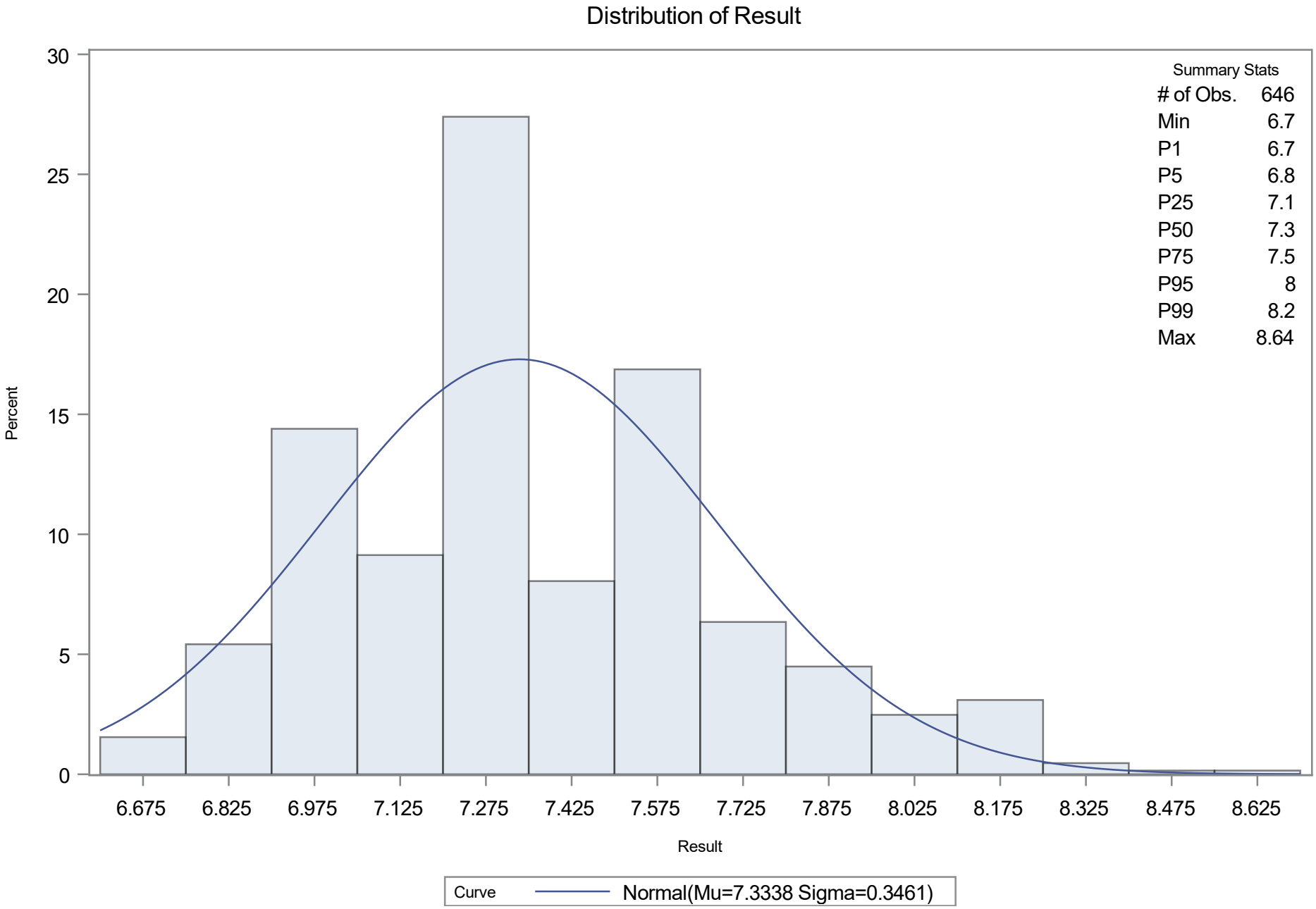

Boxplot by MFL Period for Bottom PH (su) at IWR_Run65 Station IWR Run65 All Reservoir
Result
8.5
8.0
7.5
7.0
6.5
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at IWR_Run65 Station IWR Run65 All Reservoir
Result
8.5
8.0
7.5
7.0
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.333777
Std Dev	Sigma	0.34607

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11782318	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.03154627	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.99252978	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.70000	6.52870
5.0	6.80000	6.76454
10.0	6.90000	6.89027
25.0	7.10000	7.10036
50.0	7.30000	7.33378
75.0	7.50000	7.56720
90.0	7.80000	7.77728
95.0	8.00000	7.90301
99.0	8.20000	8.13886

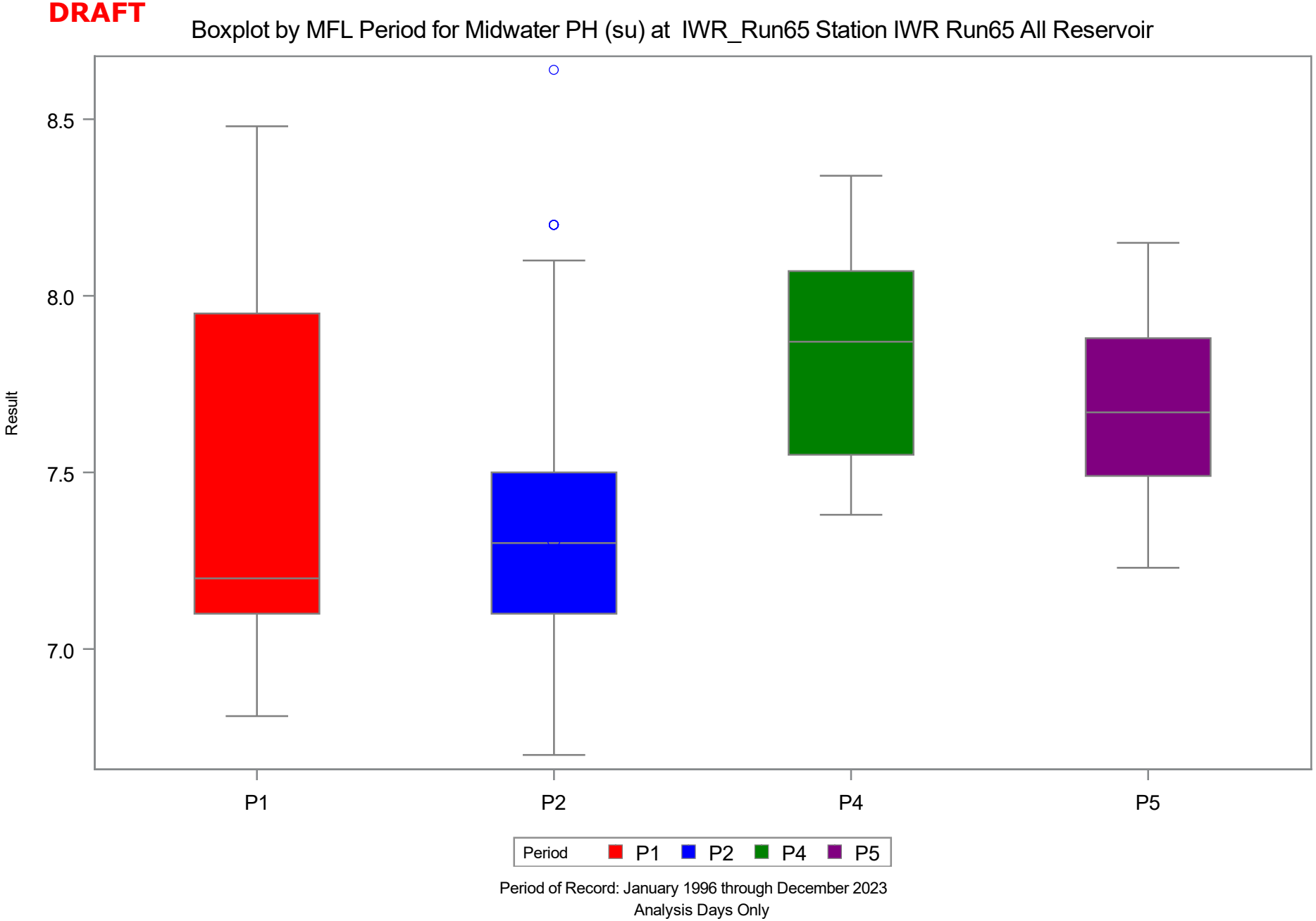
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater PH (su) at IWR_Run65 Station IWR Run65 All Reservoir**

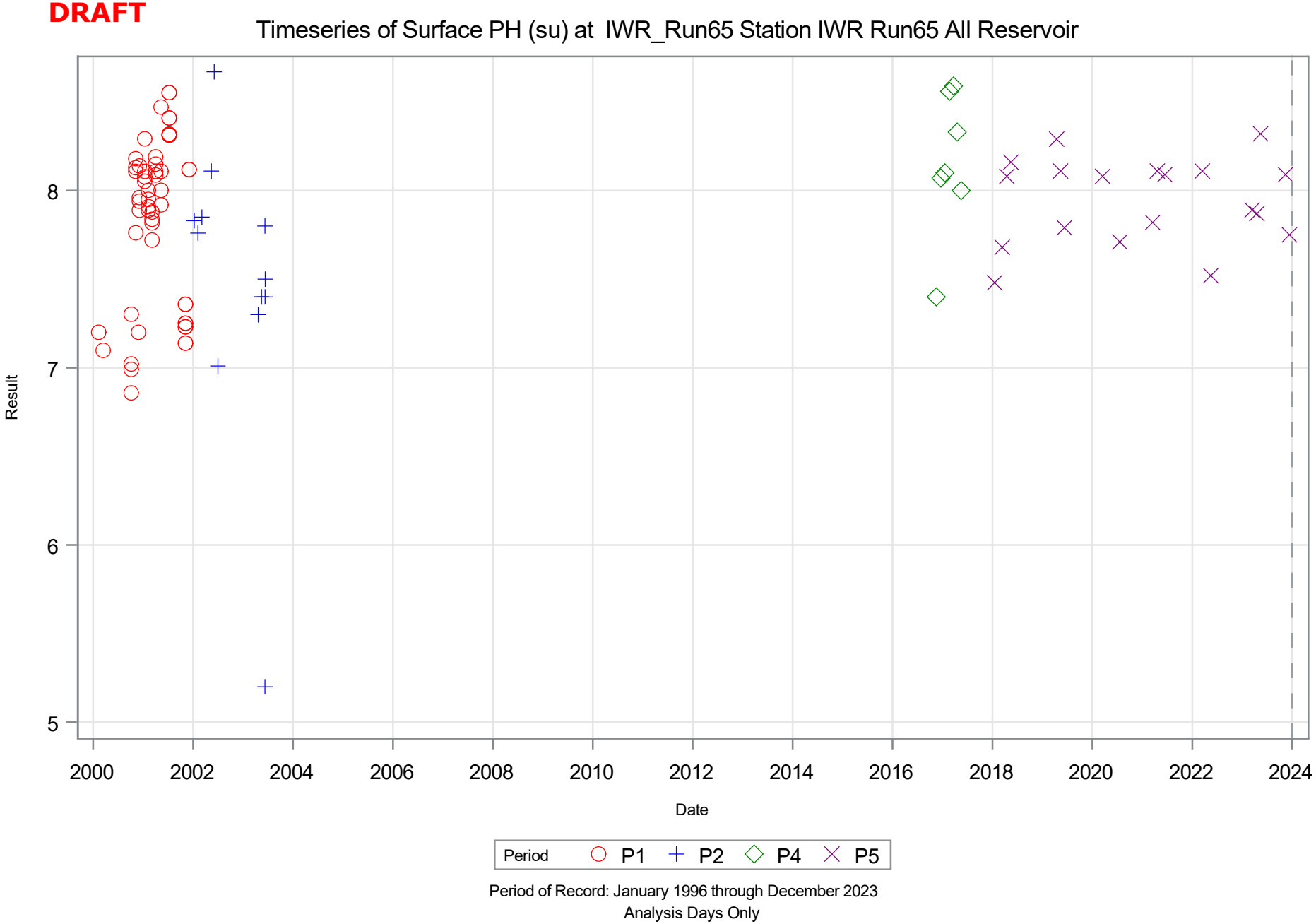
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	34	6.81	7.10	7.49	7.20	7.95	8.48
P2	586	6.70	7.10	7.31	7.30	7.50	8.64
P4	7	7.38	7.55	7.83	7.87	8.07	8.34
P5	19	7.23	7.49	7.69	7.67	7.88	8.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater PH (su) at IWR_Run65 Station IWR Run65 All Reservoir
Result
8.5
8.0
7.5
7.0
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

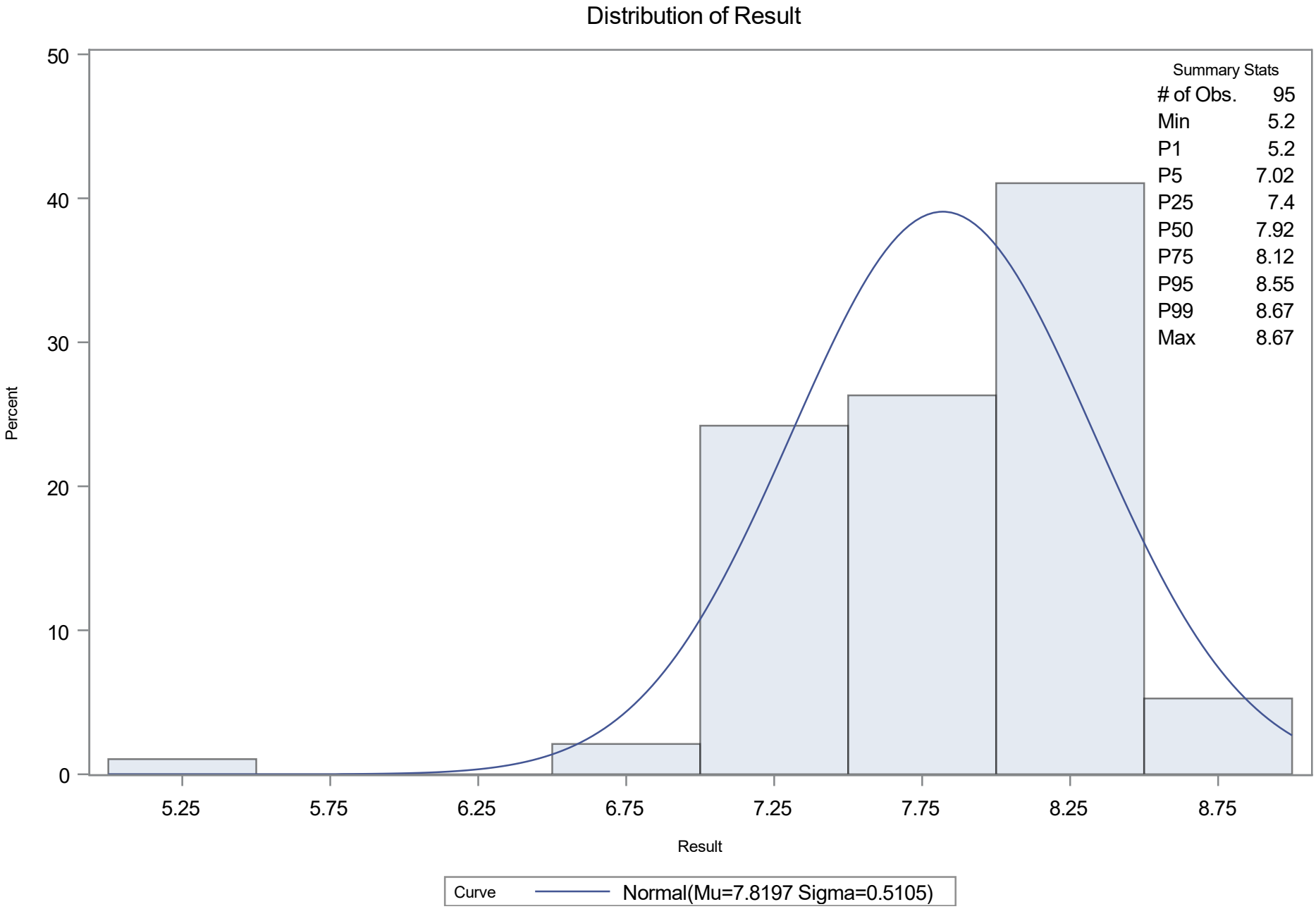
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.819684
Std Dev	Sigma	0.510512

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12129941	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37575597	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.05945194	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.20000	6.63206
5.0	7.02000	6.97997
10.0	7.20000	7.16544
25.0	7.40000	7.47535
50.0	7.92000	7.81968
75.0	8.12000	8.16402
90.0	8.32000	8.47393
95.0	8.55000	8.65940
99.0	8.67000	9.00731

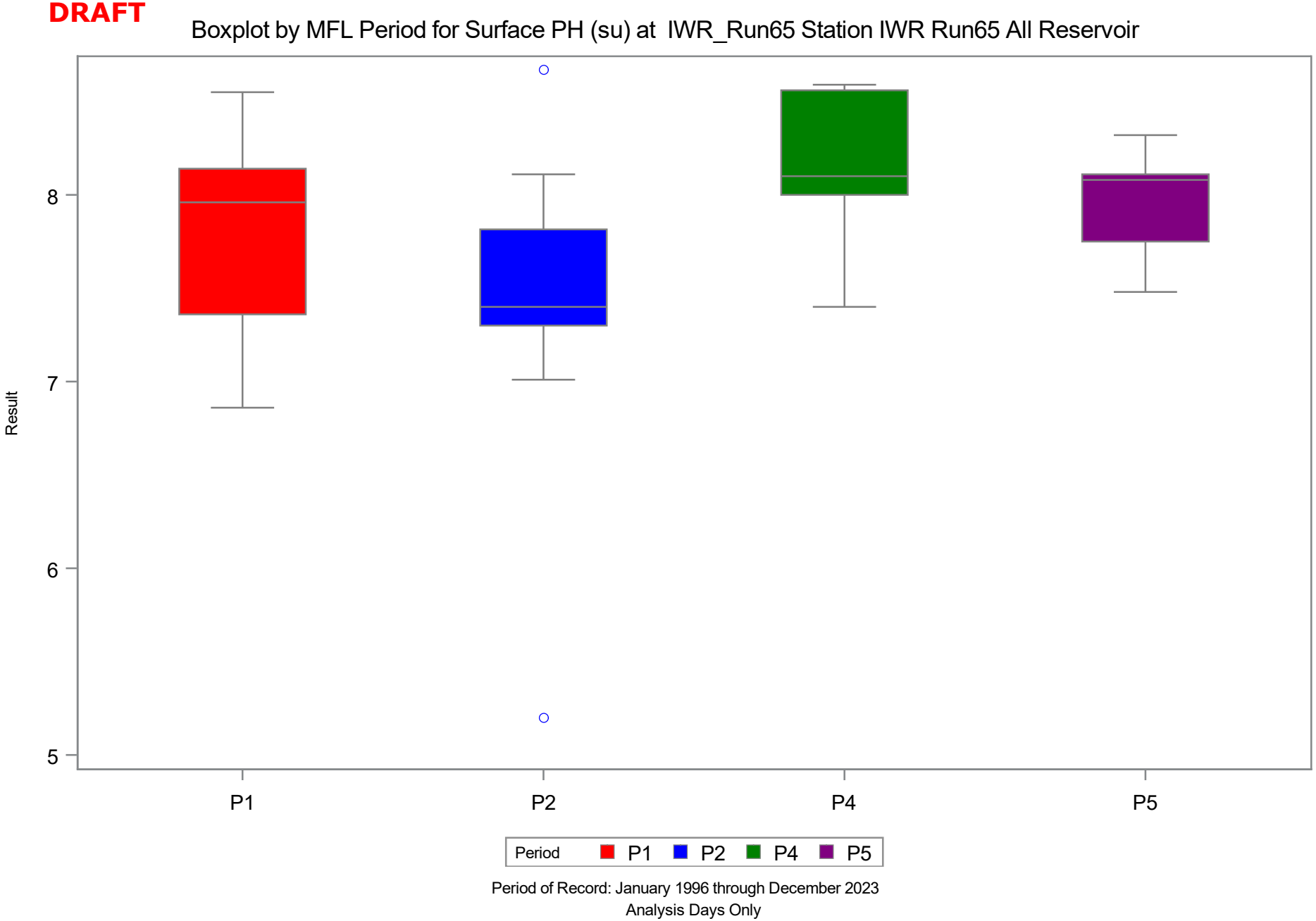
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at IWR_Run65 Station IWR Run65 All Reservoir**

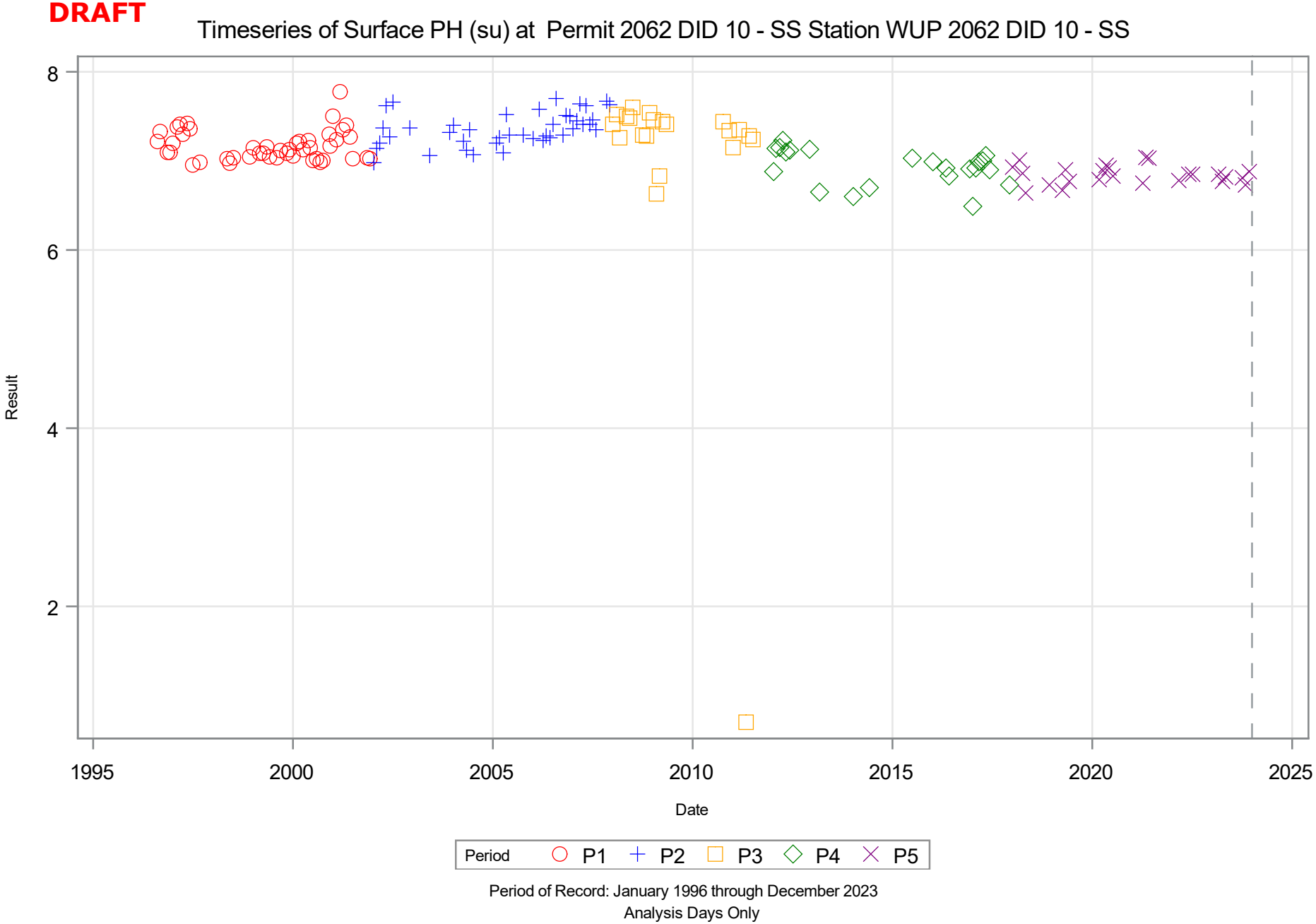
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	53	6.86	7.36	7.84	7.96	8.14	8.55
P2	16	5.20	7.30	7.45	7.40	7.82	8.67
P4	7	7.40	8.00	8.15	8.10	8.56	8.59
P5	19	7.48	7.75	7.94	8.08	8.11	8.32

Period of Record: January 1996 through December 2023
Analysis Days Only

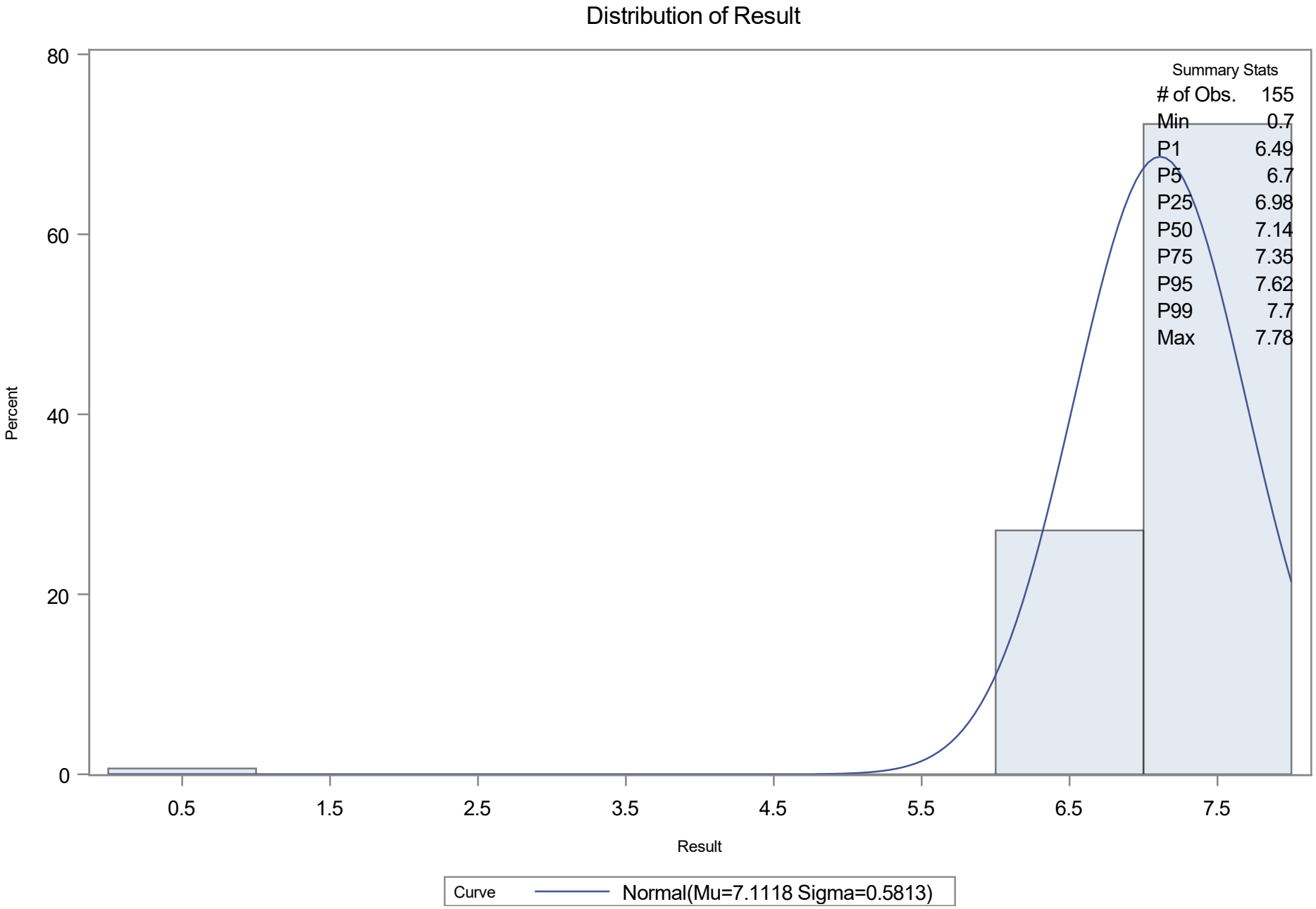
DRAFT


Boxplot by MFL Period for Surface PH (su) at IWR_Run65 Station IWR Run65 All Reservoir
Result
8
7
6
5
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
8
6
4
2
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface PH (su) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.111806
Std Dev	Sigma	0.581287

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2040322	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.3947401	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.8353340	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.49000	5.75953
5.0	6.70000	6.15568
10.0	6.79000	6.36686
25.0	6.98000	6.71973
50.0	7.14000	7.11181
75.0	7.35000	7.50388
90.0	7.50000	7.85676
95.0	7.62000	8.06794
99.0	7.70000	8.46408

Period of Record: January 1996 through December 2023
Analysis Days Only

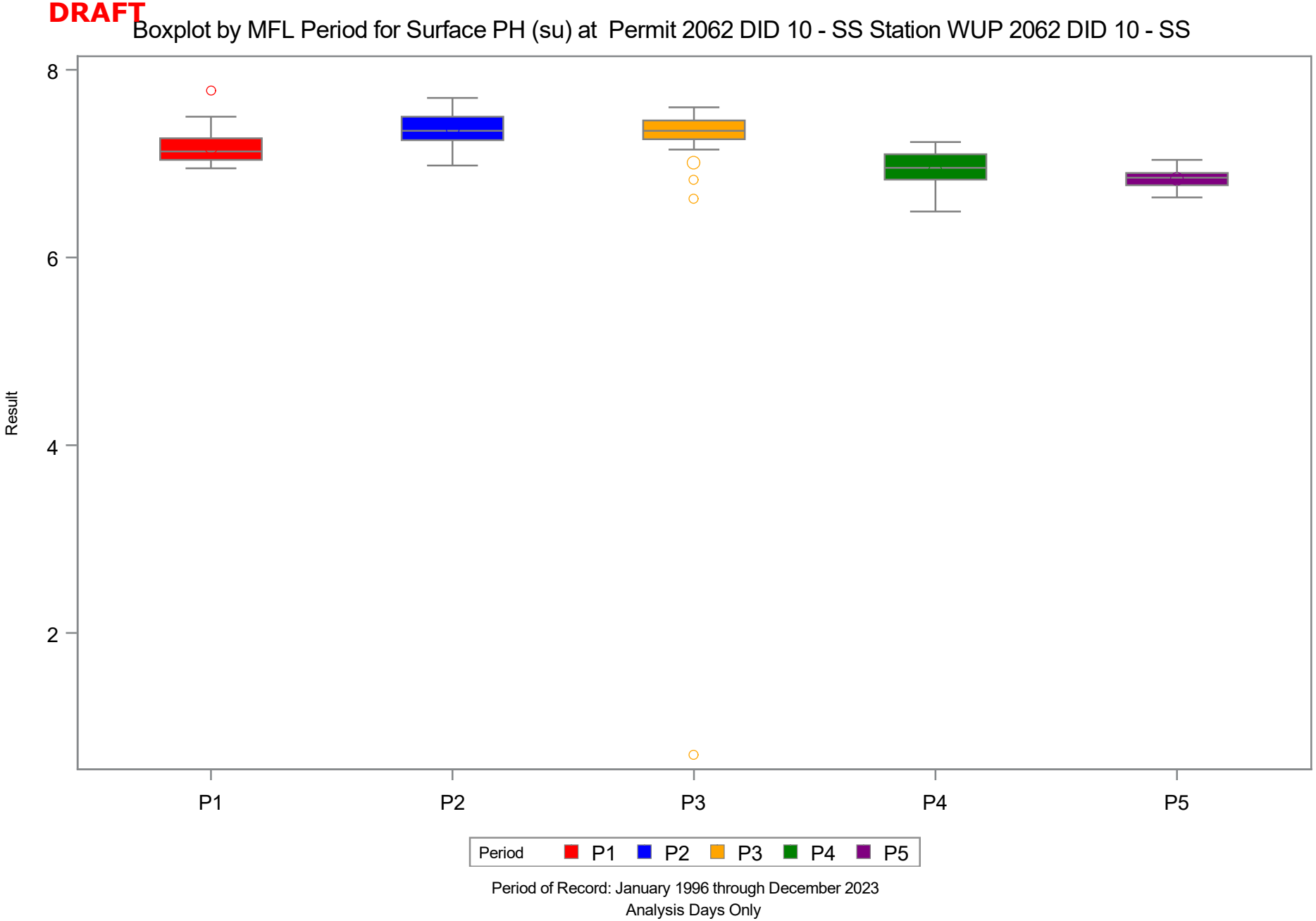
DRAFT

Distributional Statistics by Period for Surface PH (su) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

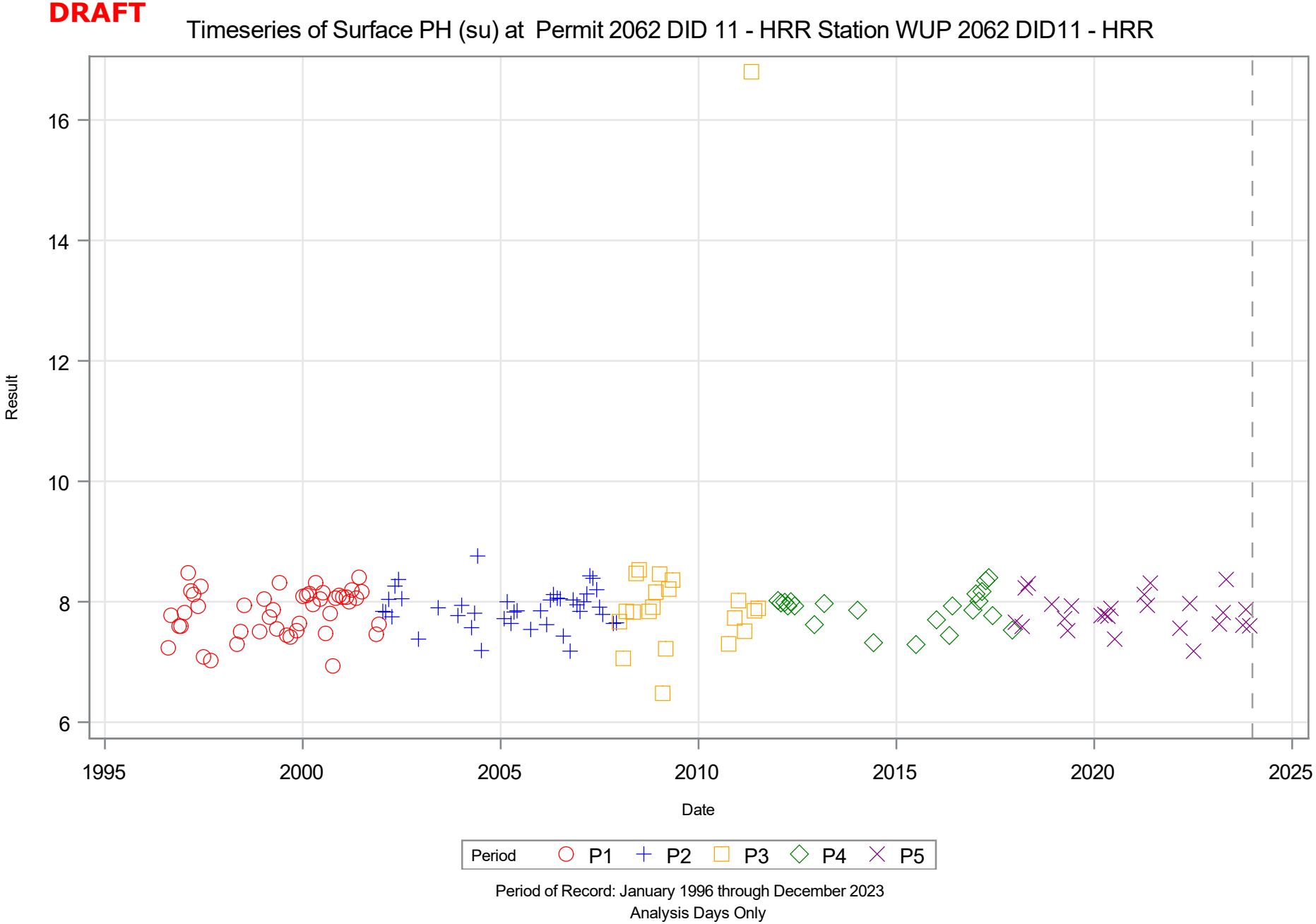
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	6.95	7.04	7.17	7.13	7.27	7.78
P2	41	6.98	7.25	7.36	7.35	7.50	7.70
P3	21	0.70	7.26	7.01	7.35	7.46	7.60
P4	22	6.49	6.83	6.93	6.96	7.10	7.23
P5	25	6.64	6.77	6.84	6.85	6.90	7.04

Period of Record: January 1996 through December 2023
Analysis Days Only

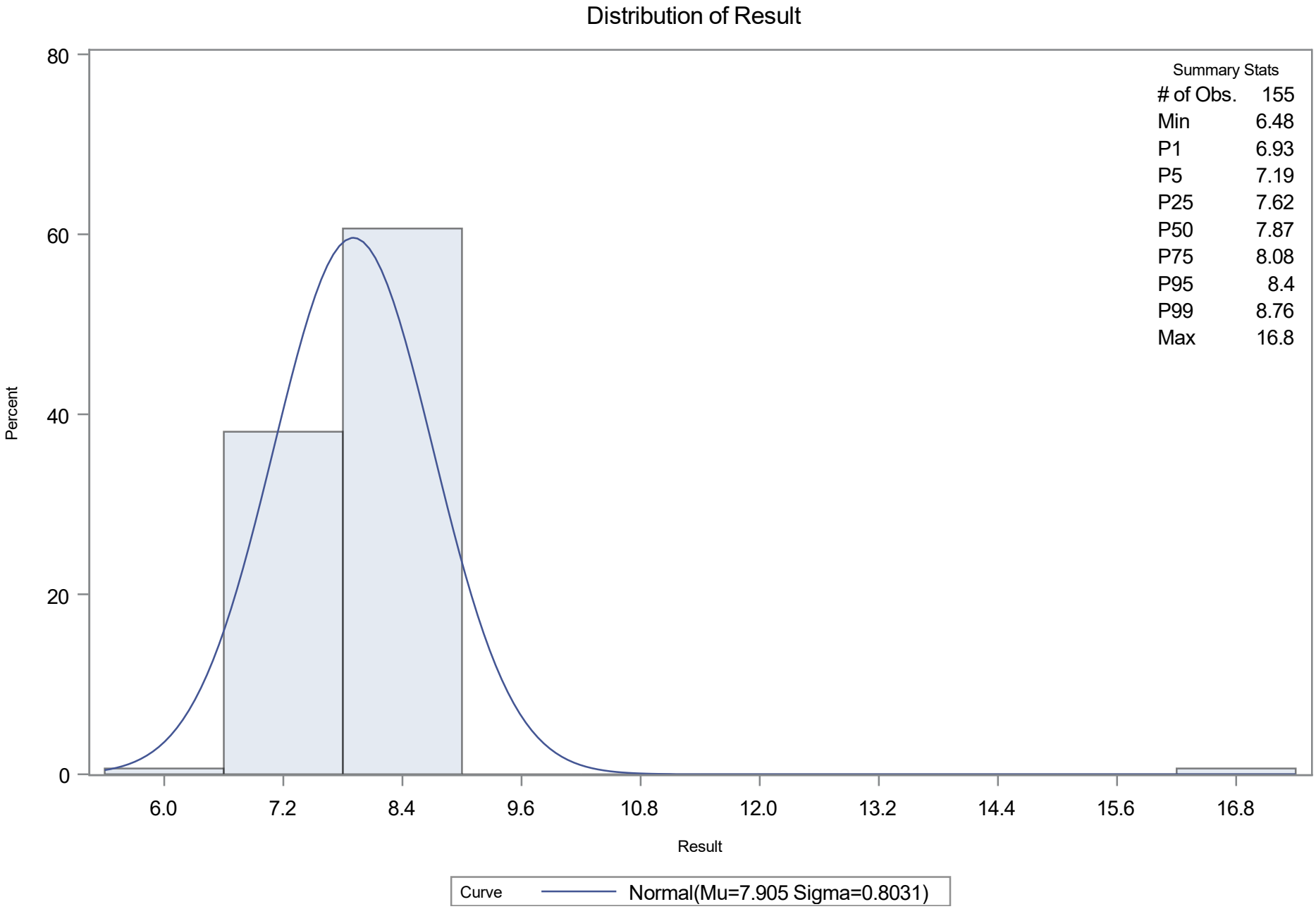
DRAFT


Boxplot by MFL Period for Surface PH (su) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
8
6
4
2
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR
Result
16
14
12
10
8
6
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface PH (su) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface PH (su) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.904968
Std Dev	Sigma	0.803076

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2236472	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.8217204	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.5685962	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.93000	6.03673
5.0	7.19000	6.58403
10.0	7.38000	6.87578
25.0	7.62000	7.36330
50.0	7.87000	7.90497
75.0	8.08000	8.44663
90.0	8.31000	8.93415
95.0	8.40000	9.22591
99.0	8.76000	9.77320

Period of Record: January 1996 through December 2023
Analysis Days Only

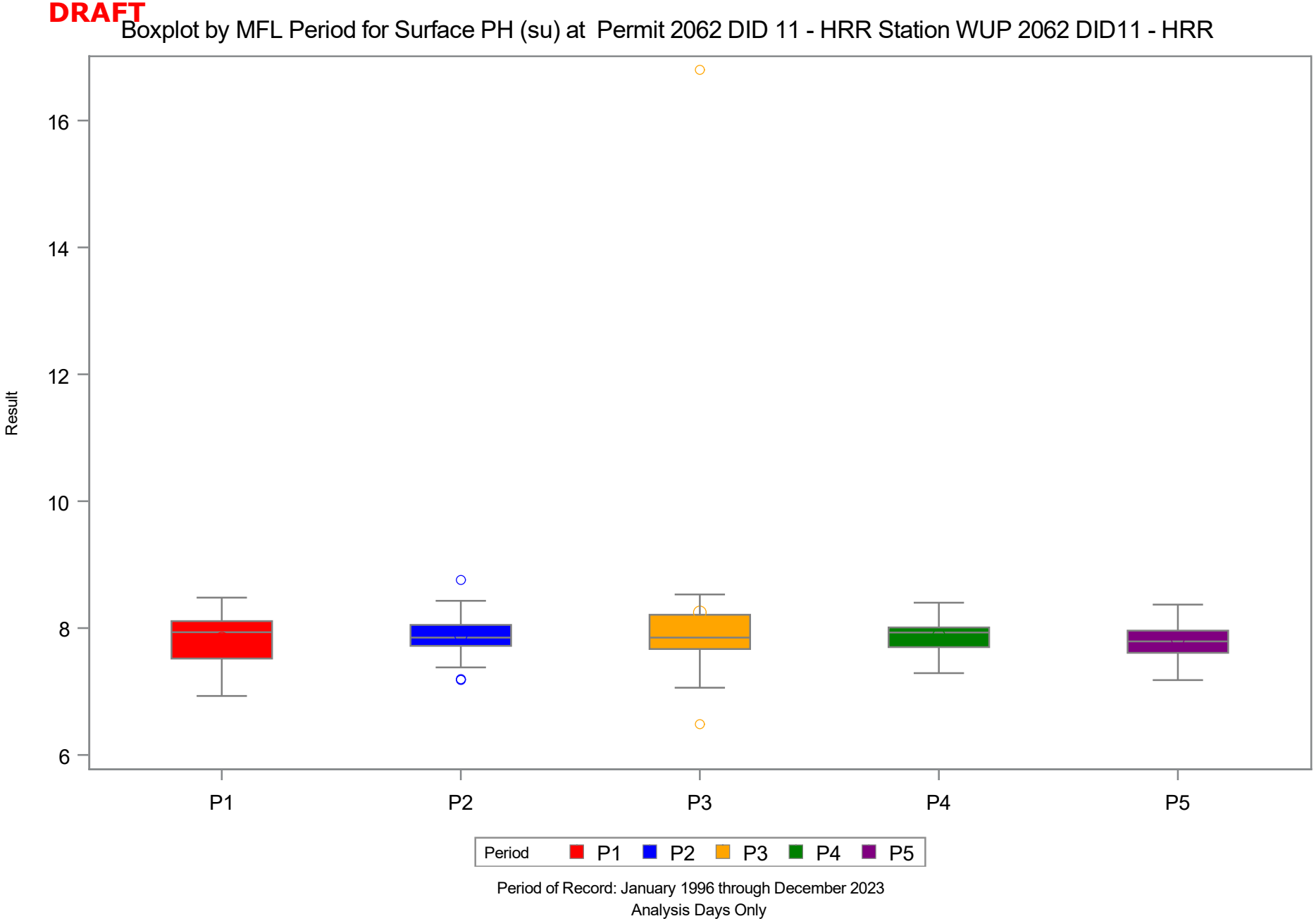
DRAFT

Distributional Statistics by Period for Surface PH (su) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

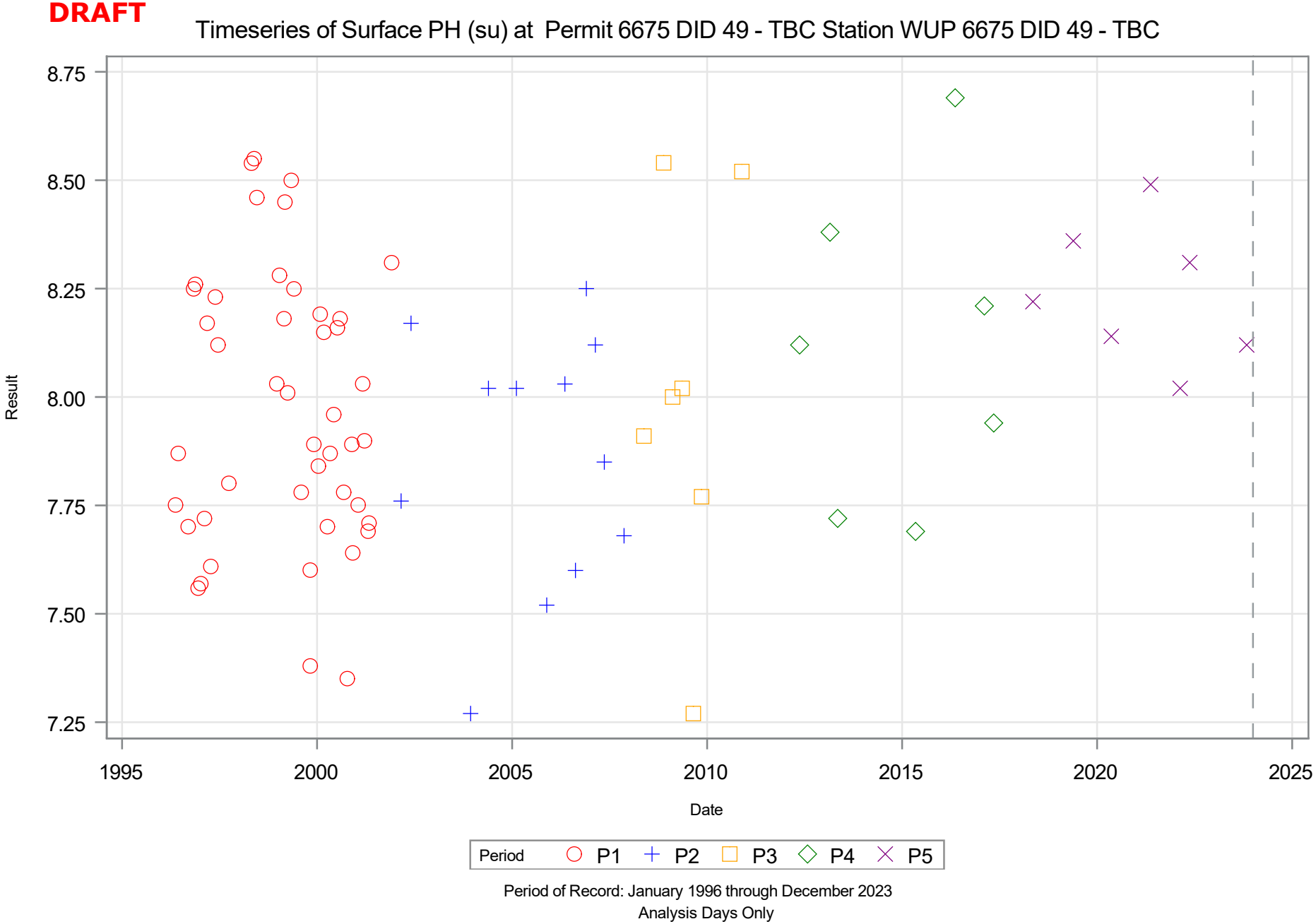
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	6.93	7.52	7.83	7.94	8.11	8.48
P2	41	7.18	7.72	7.89	7.85	8.05	8.76
P3	21	6.48	7.67	8.24	7.85	8.21	16.80
P4	22	7.29	7.70	7.87	7.93	8.01	8.40
P5	25	7.18	7.61	7.82	7.79	7.96	8.37

Period of Record: January 1996 through December 2023
Analysis Days Only

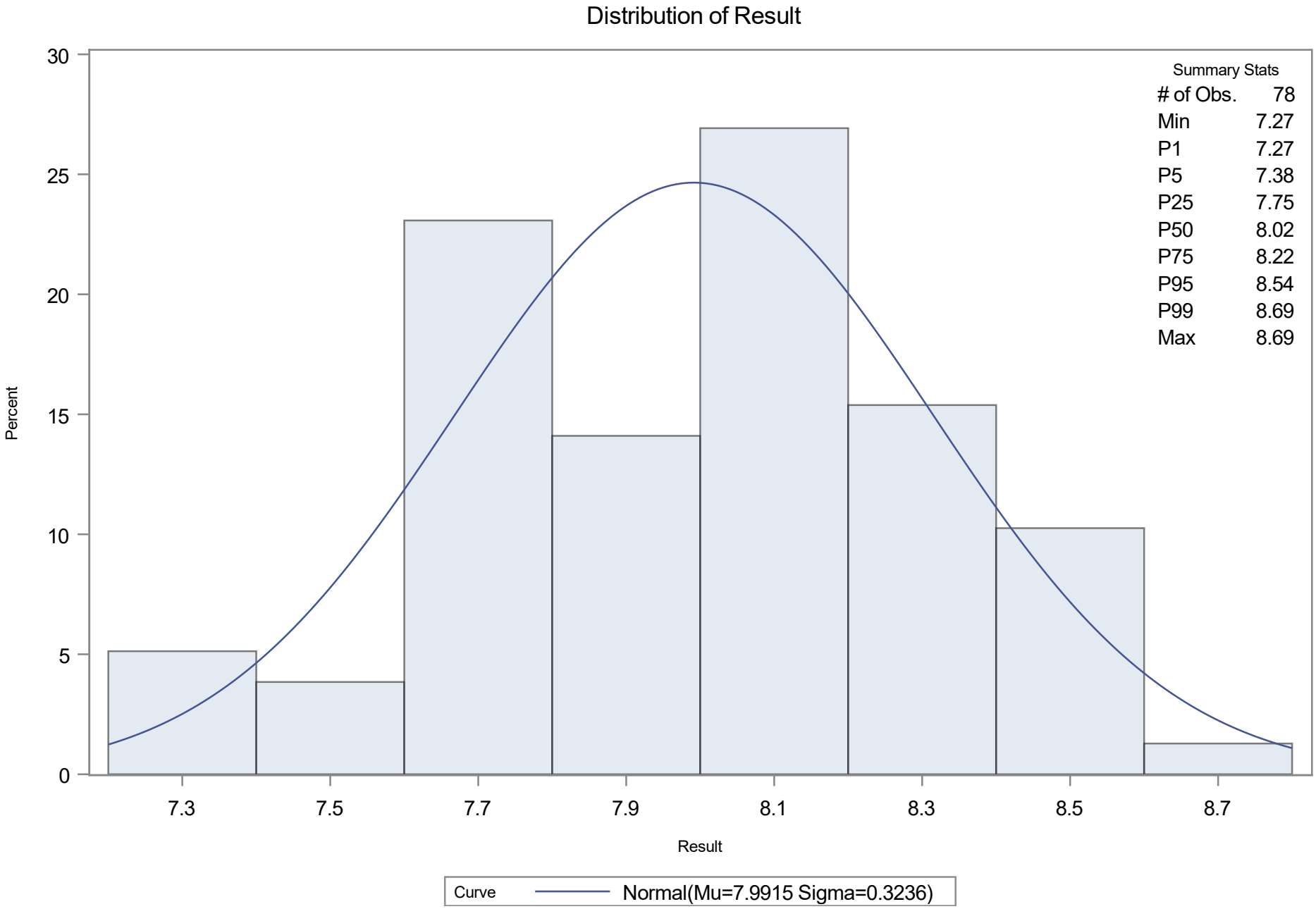
DRAFT


Boxplot by MFL Period for Surface PH (su) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR
Result
16
14
12
10
8
6
P1
P2
P3
P4
P5
Period P1 P2 P3 P4 P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC
Result
8.75
8.50
8.25
8.00
7.75
7.50
7.25
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface PH (su) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface PH (su) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.991538
Std Dev	Sigma	0.323632

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07736986	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05288017	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32638367	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.27000	7.23866
5.0	7.38000	7.45921
10.0	7.60000	7.57679
25.0	7.75000	7.77325
50.0	8.02000	7.99154
75.0	8.22000	8.20983
90.0	8.46000	8.40629
95.0	8.54000	8.52387
99.0	8.69000	8.74442

Period of Record: January 1996 through December 2023
Analysis Days Only

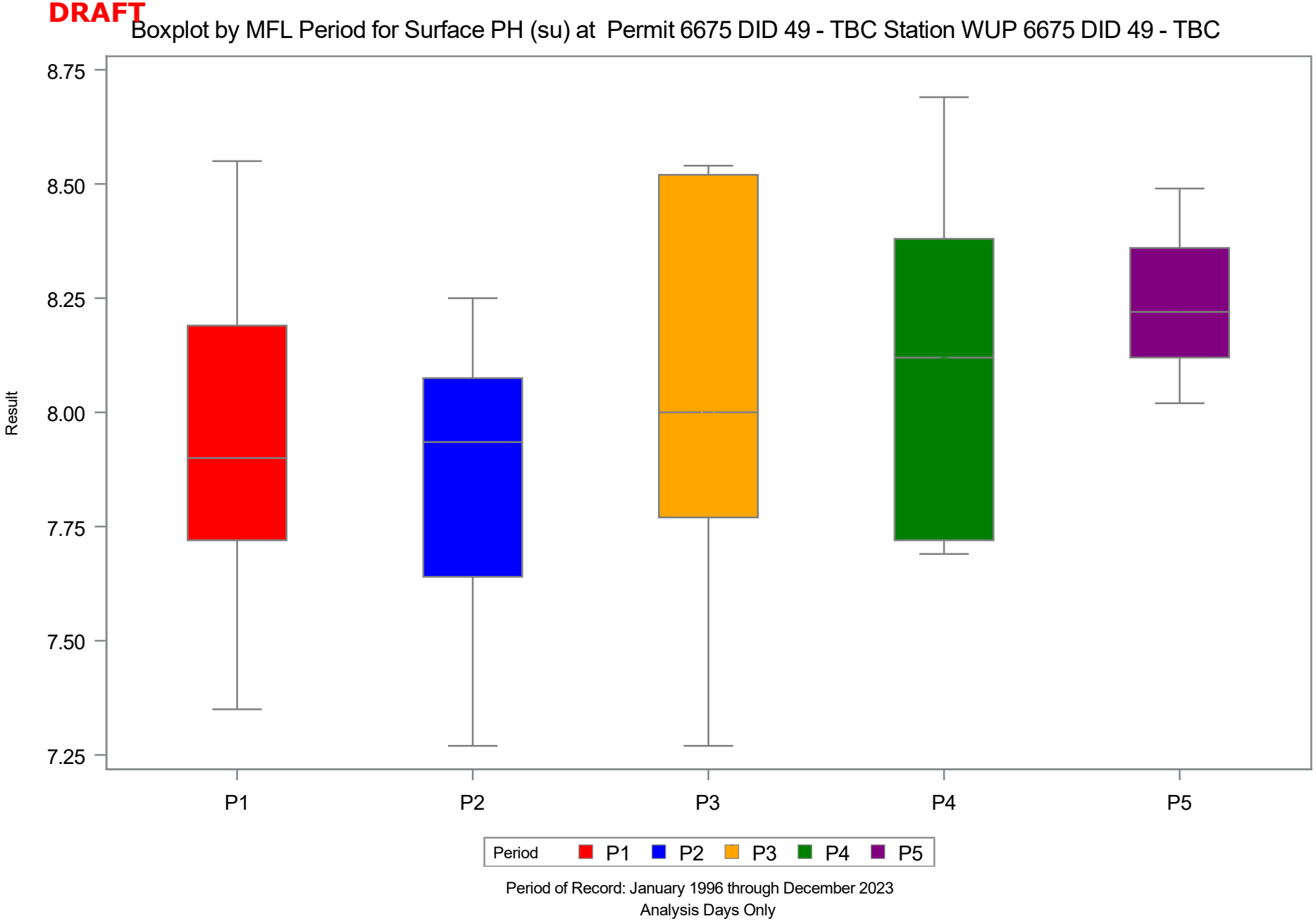
DRAFT

Distributional Statistics by Period for Surface PH (su) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

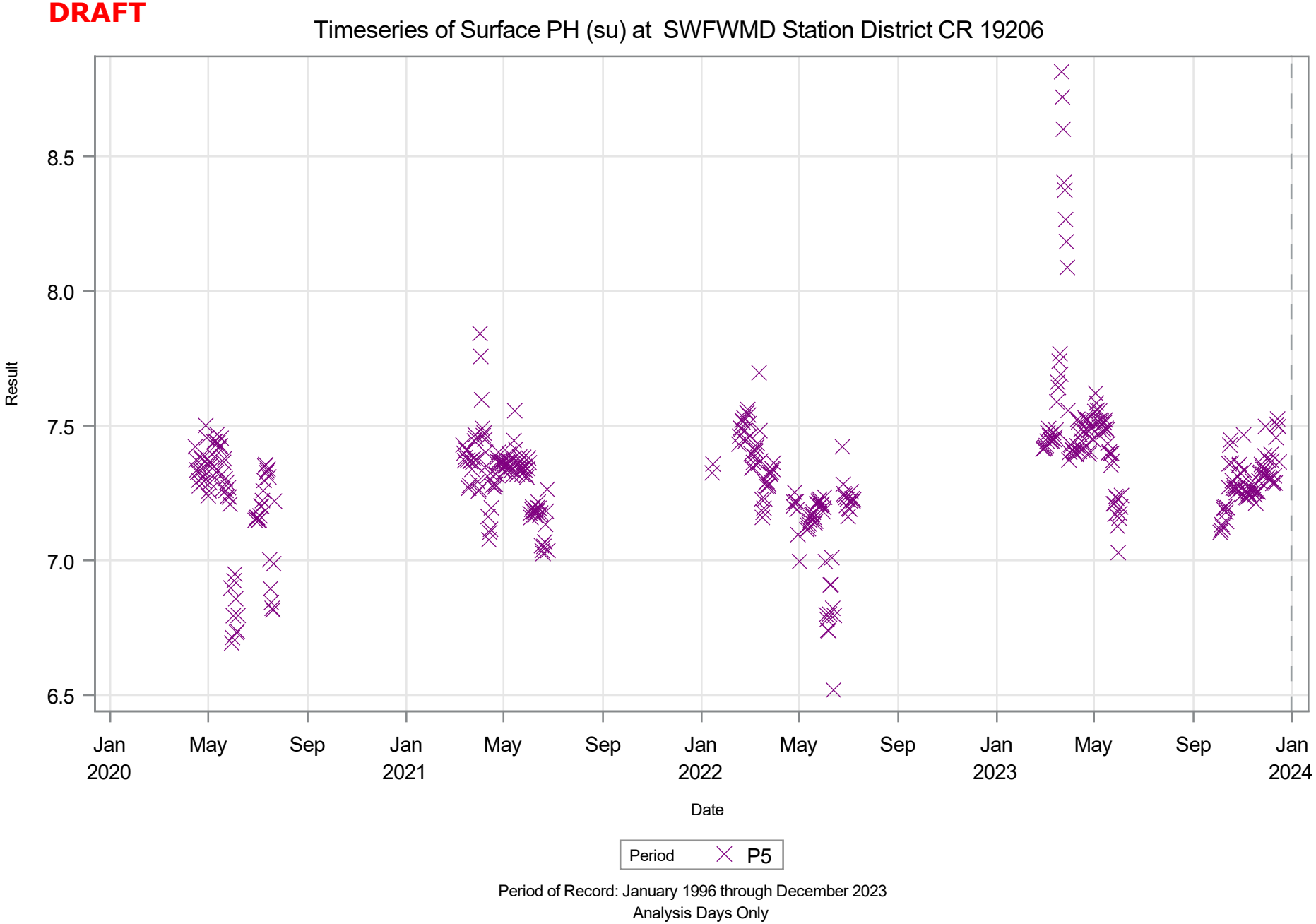
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	7.35	7.72	7.97	7.90	8.19	8.55
P2	12	7.27	7.64	7.86	7.94	8.08	8.25
P3	7	7.27	7.77	8.00	8.00	8.52	8.54
P4	7	7.69	7.72	8.11	8.12	8.38	8.69
P5	7	8.02	8.12	8.24	8.22	8.36	8.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC
Result
8.75
8.50
8.25
8.00
7.75
7.50
7.25
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

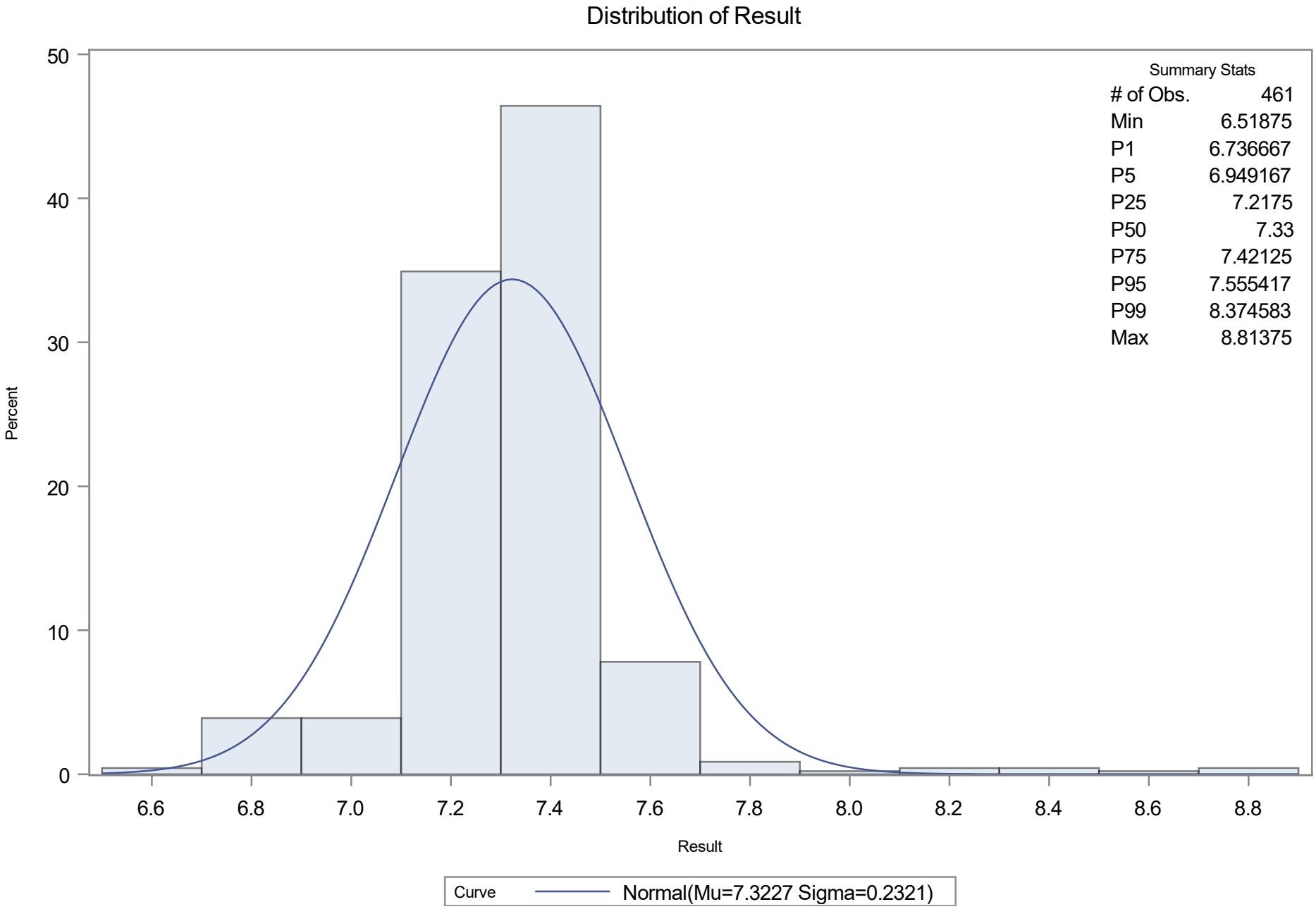
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station District CR 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station District CR 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.322726
Std Dev	Sigma	0.232104

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1266696	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.4346754	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	15.5654625	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.73667	6.78277
5.0	6.94917	6.94095
10.0	7.13083	7.02527
25.0	7.21750	7.16617
50.0	7.33000	7.32273
75.0	7.42125	7.47928
90.0	7.50333	7.62018
95.0	7.55542	7.70450
99.0	8.37458	7.86268

Period of Record: January 1996 through December 2023
Analysis Days Only

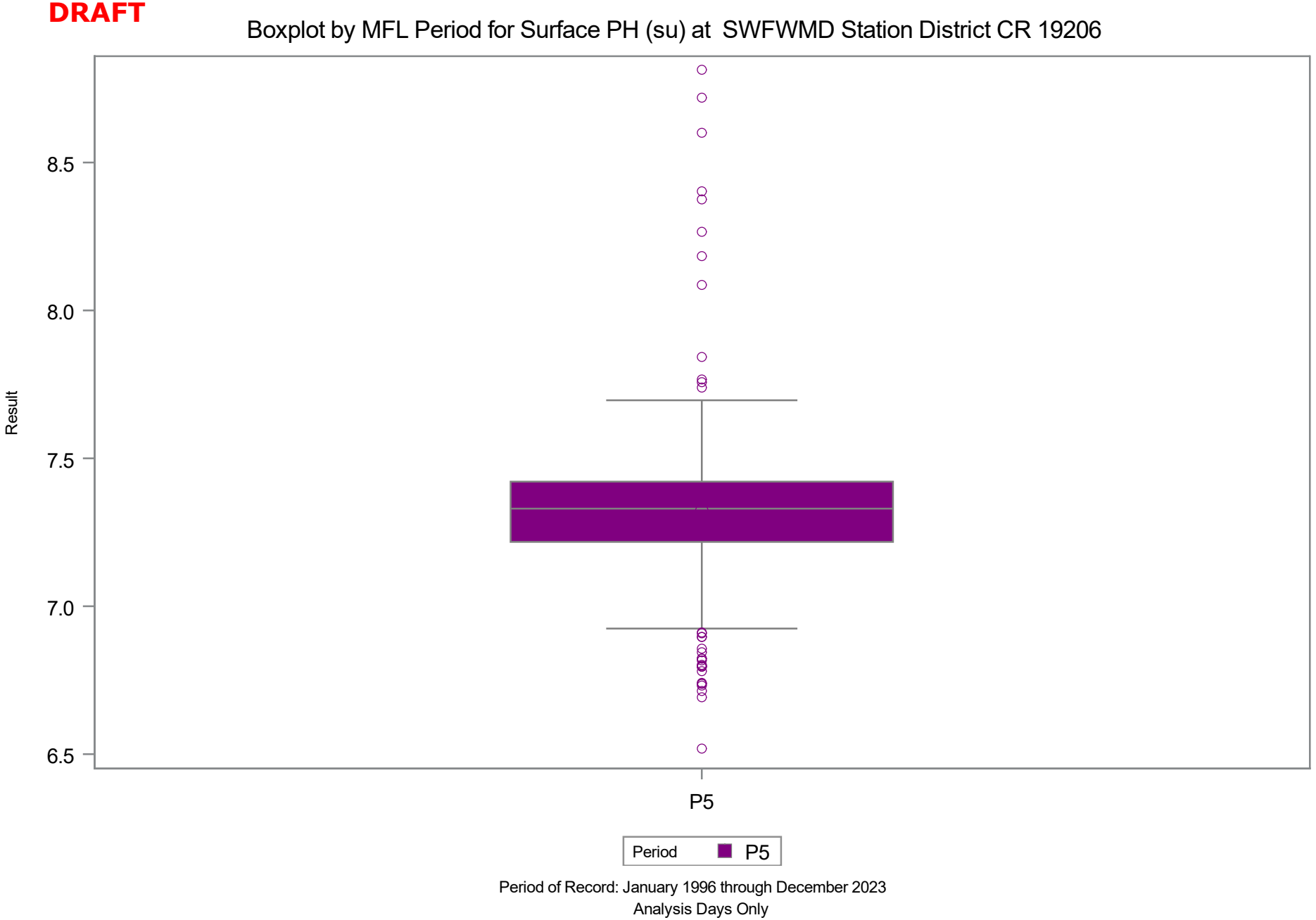
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station District CR 19206

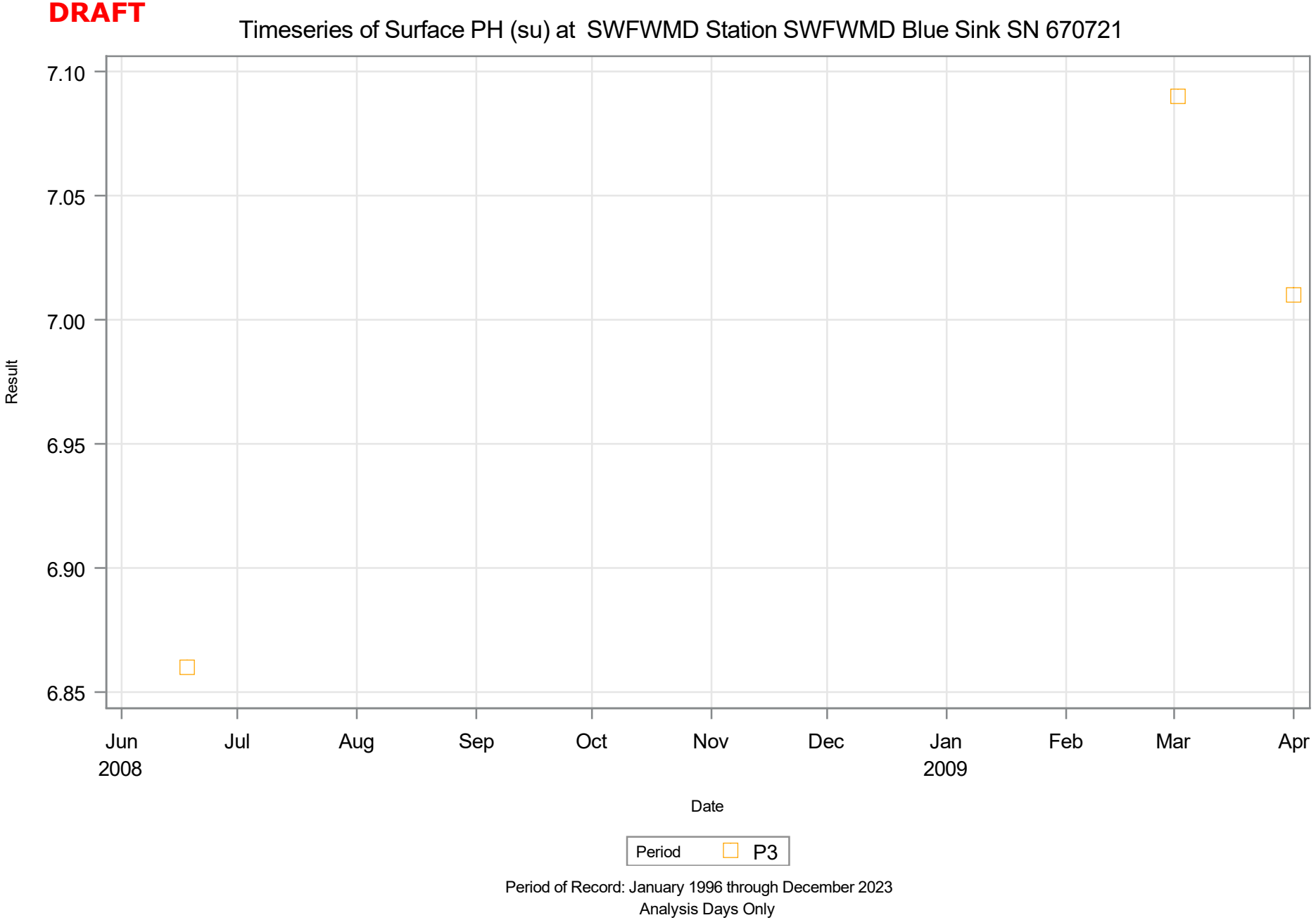
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	461	6.52	7.22	7.32	7.33	7.42	8.81

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

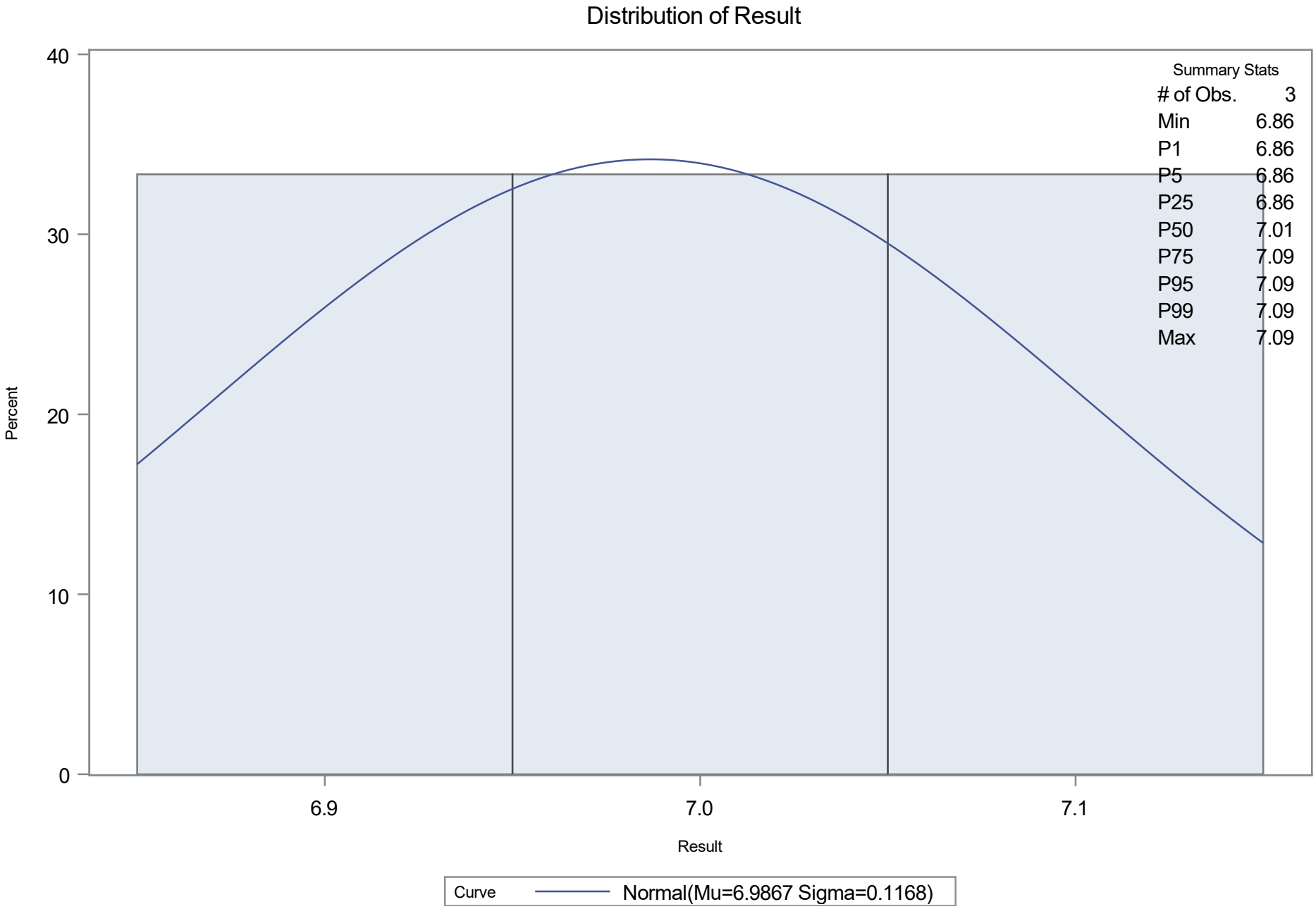

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station District CR 19206
Result
8.5
8.0
7.5
7.0
6.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD Blue Sink SN 670721
7.10
7.05
7.00
6.95
6.90
6.85
Result
Jun
2008
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2009
Feb
Mar
Apr
Date
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.986667
Std Dev	Sigma	0.116762

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24586261	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03527384	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22311662	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.86000	6.71504
5.0	6.86000	6.79461
10.0	6.86000	6.83703
25.0	6.86000	6.90791
50.0	7.01000	6.98667
75.0	7.09000	7.06542
90.0	7.09000	7.13630
95.0	7.09000	7.17872
99.0	7.09000	7.25830

Period of Record: January 1996 through December 2023
Analysis Days Only

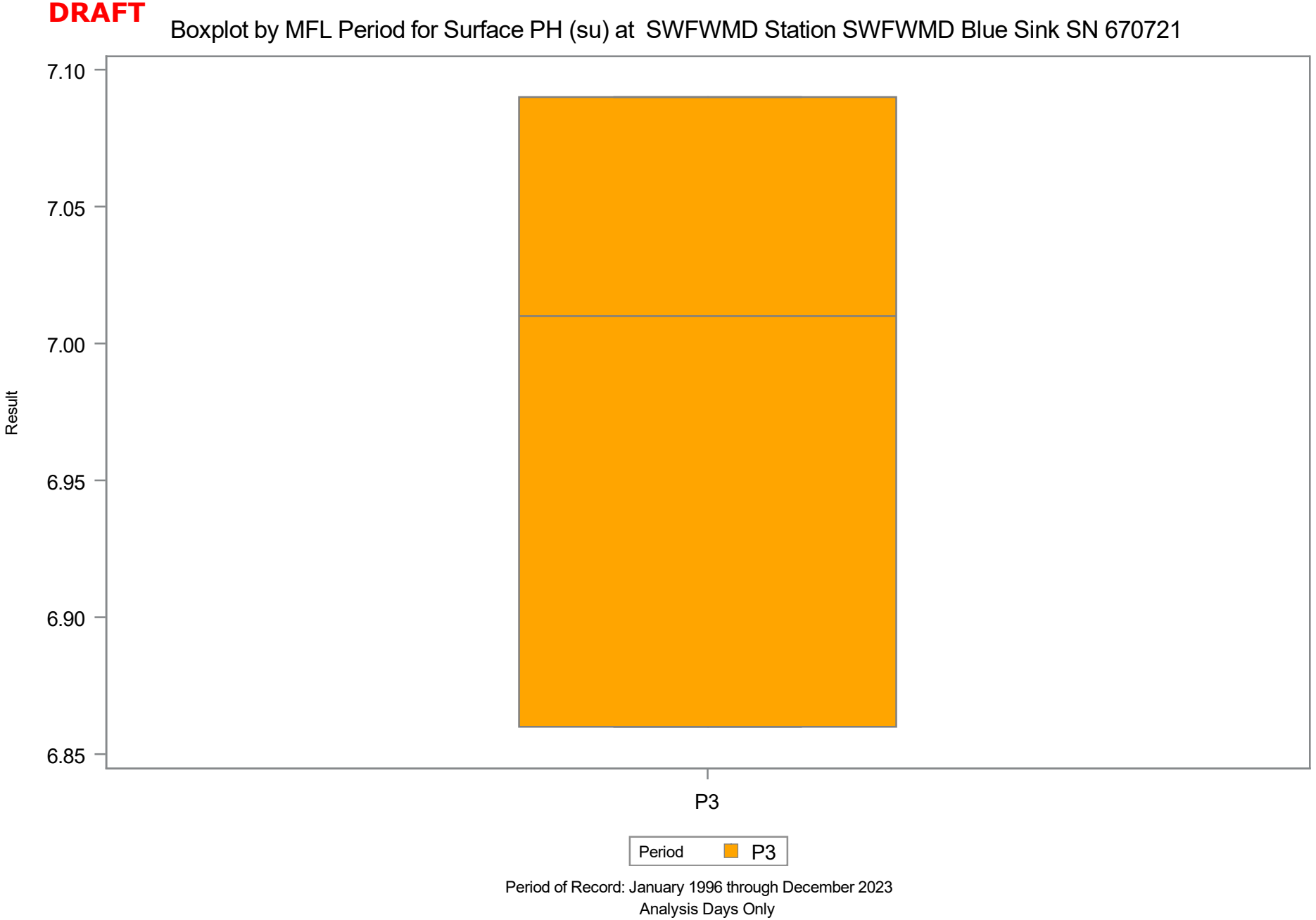
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD Blue Sink SN 670721

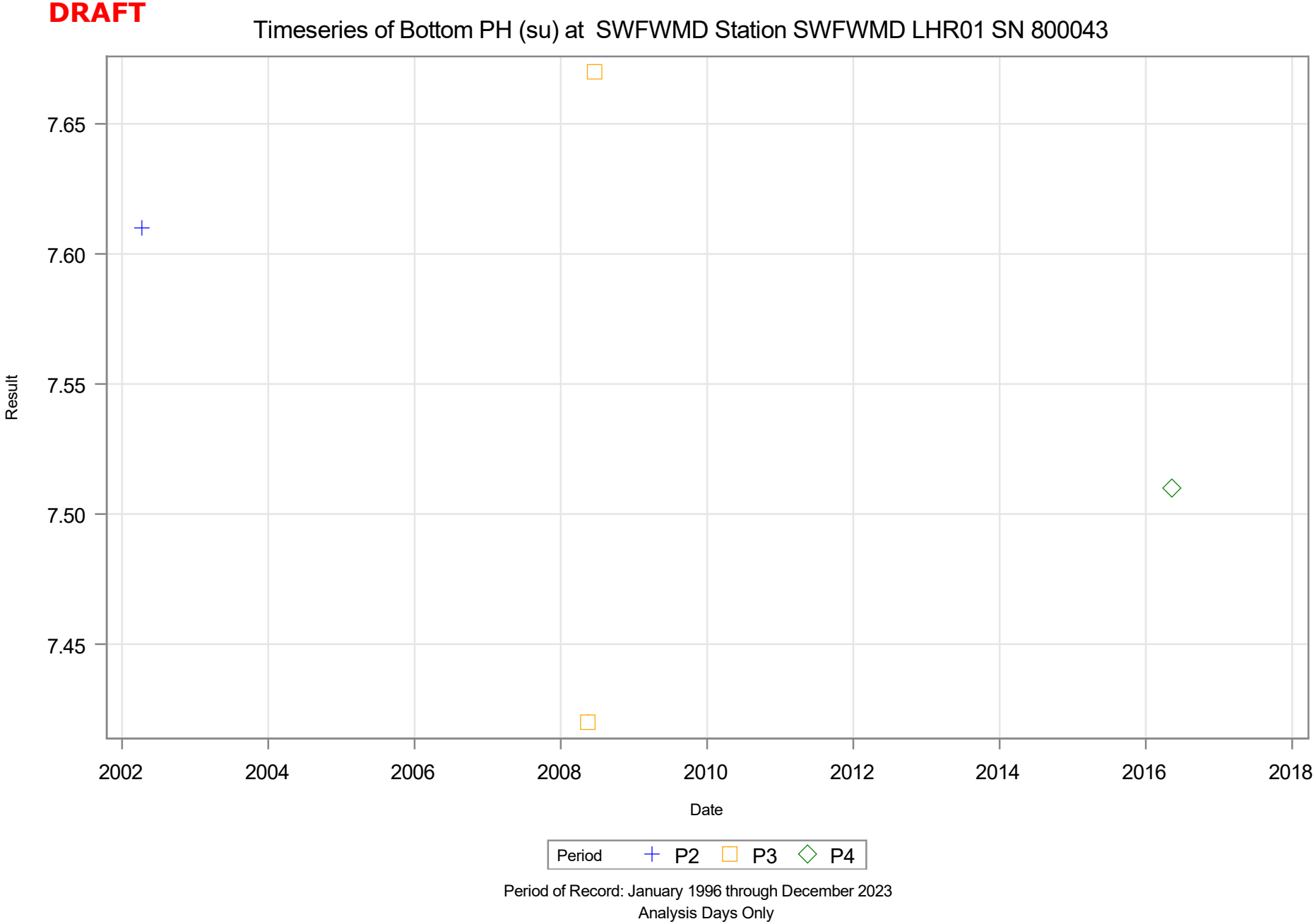
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	3	6.86	6.86	6.99	7.01	7.09	7.09

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

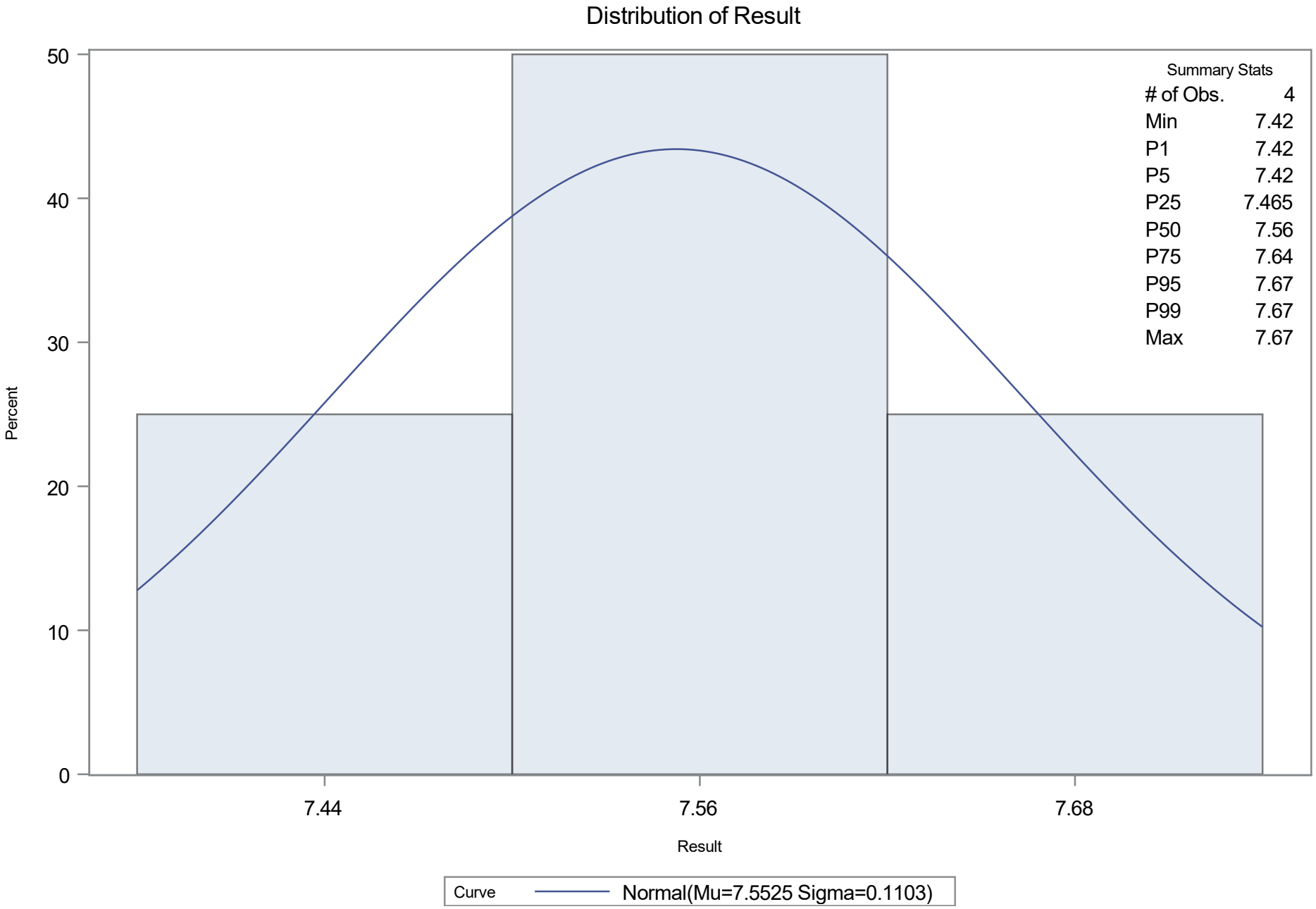

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD Blue Sink SN 670721
7.10
7.05
7.00
6.95
6.90
6.85
Result
P3
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
7.65
7.60
7.55
7.50
7.45
2002
2004
2006
2008
2010
2012
2014
2016
2018
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.5525
Std Dev	Sigma	0.110265

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19898092	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02737356	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18487616	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.42000	7.29599
5.0	7.42000	7.37113
10.0	7.42000	7.41119
25.0	7.46500	7.47813
50.0	7.56000	7.55250
75.0	7.64000	7.62687
90.0	7.67000	7.69381
95.0	7.67000	7.73387
99.0	7.67000	7.80901

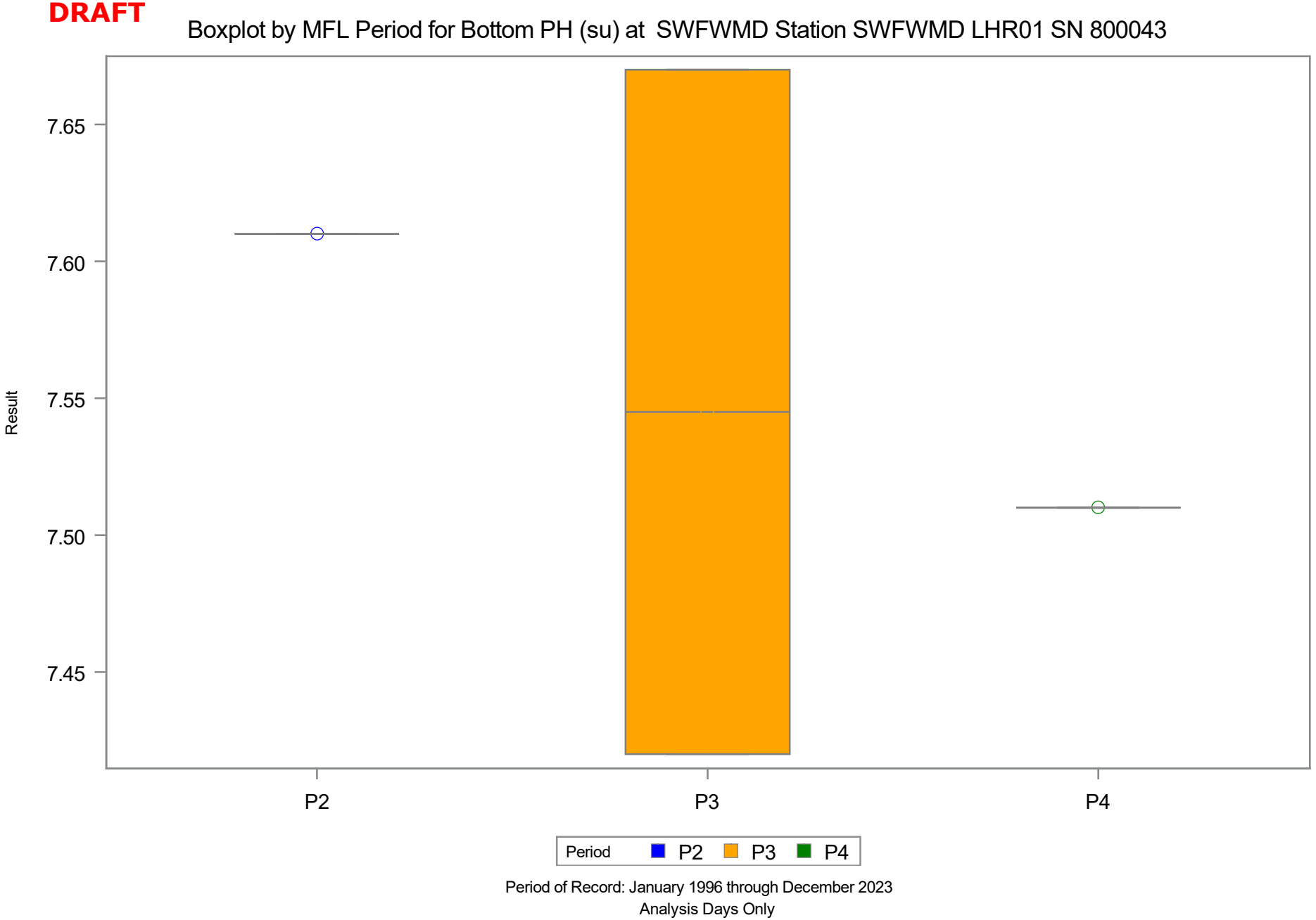
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043**

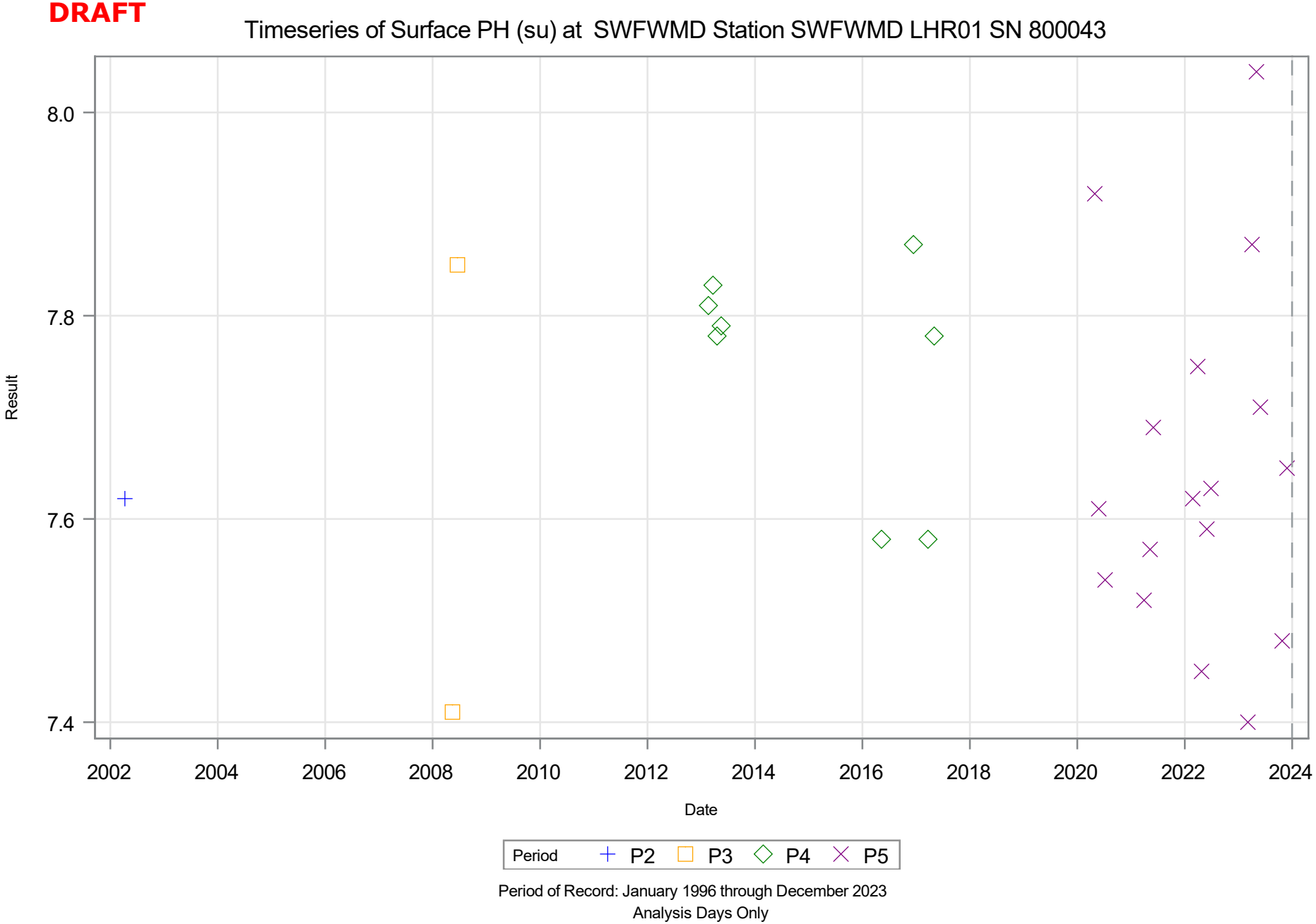
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	7.61	7.61	7.61	7.61	7.61	7.61
P3	2	7.42	7.42	7.55	7.55	7.67	7.67
P4	1	7.51	7.51	7.51	7.51	7.51	7.51

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

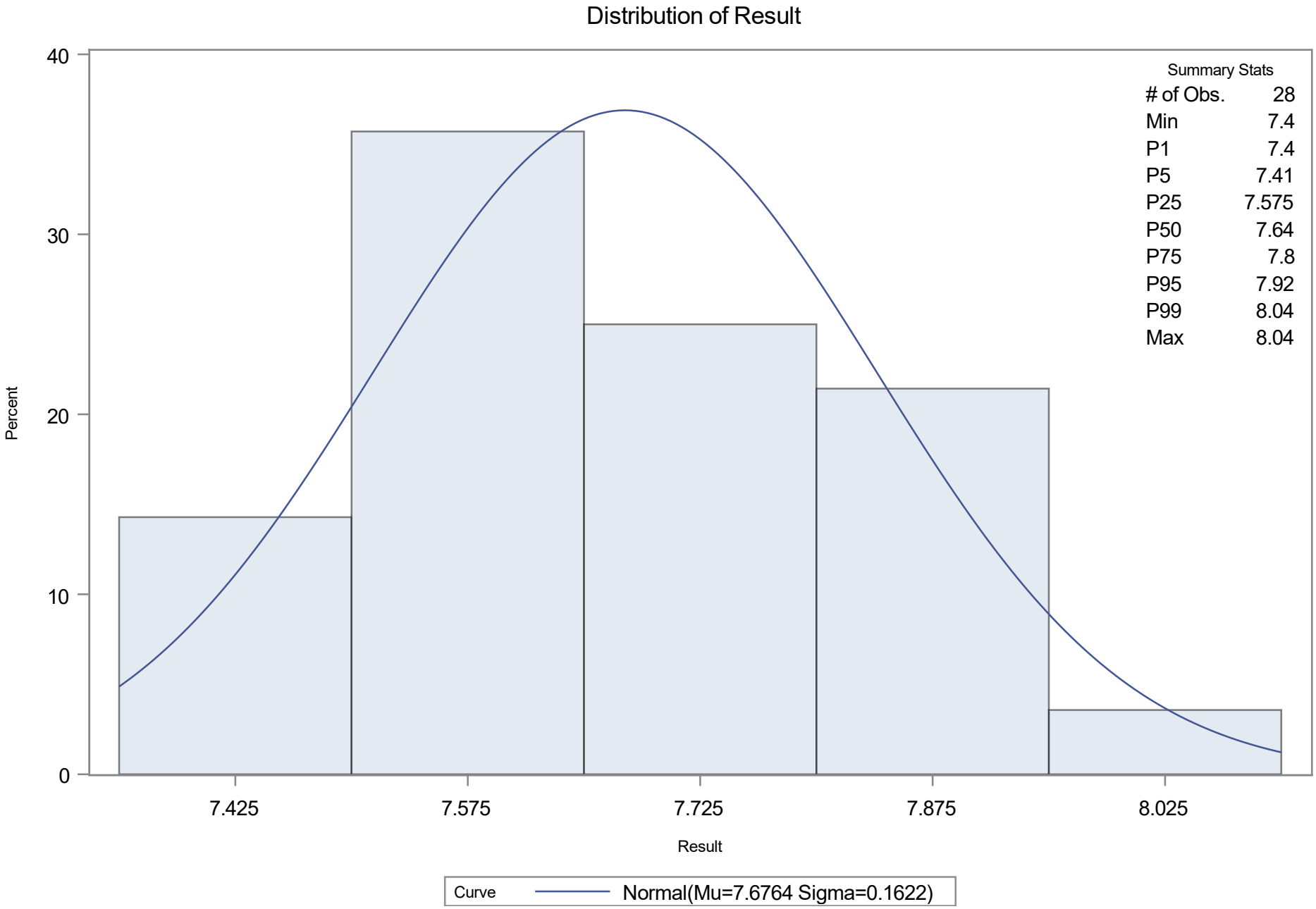

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
7.65
7.60
7.55
7.50
7.45
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
8.0
7.8
7.6
7.4
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.676429
Std Dev	Sigma	0.162212

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11264586	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04715956	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25953263	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.40000	7.29907
5.0	7.41000	7.40961
10.0	7.45000	7.46855
25.0	7.57500	7.56702
50.0	7.64000	7.67643
75.0	7.80000	7.78584
90.0	7.87000	7.88431
95.0	7.92000	7.94324
99.0	8.04000	8.05379

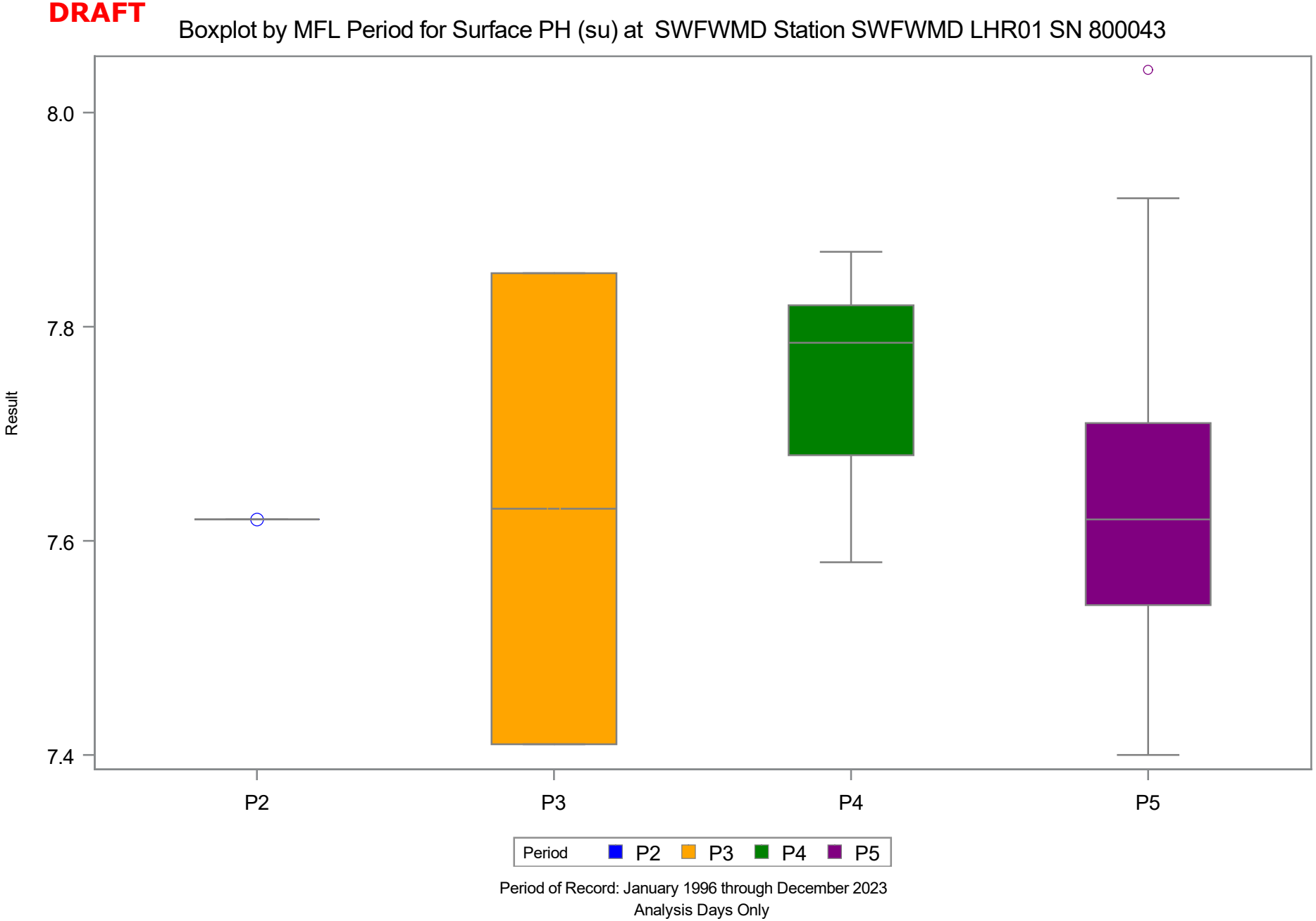
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043**

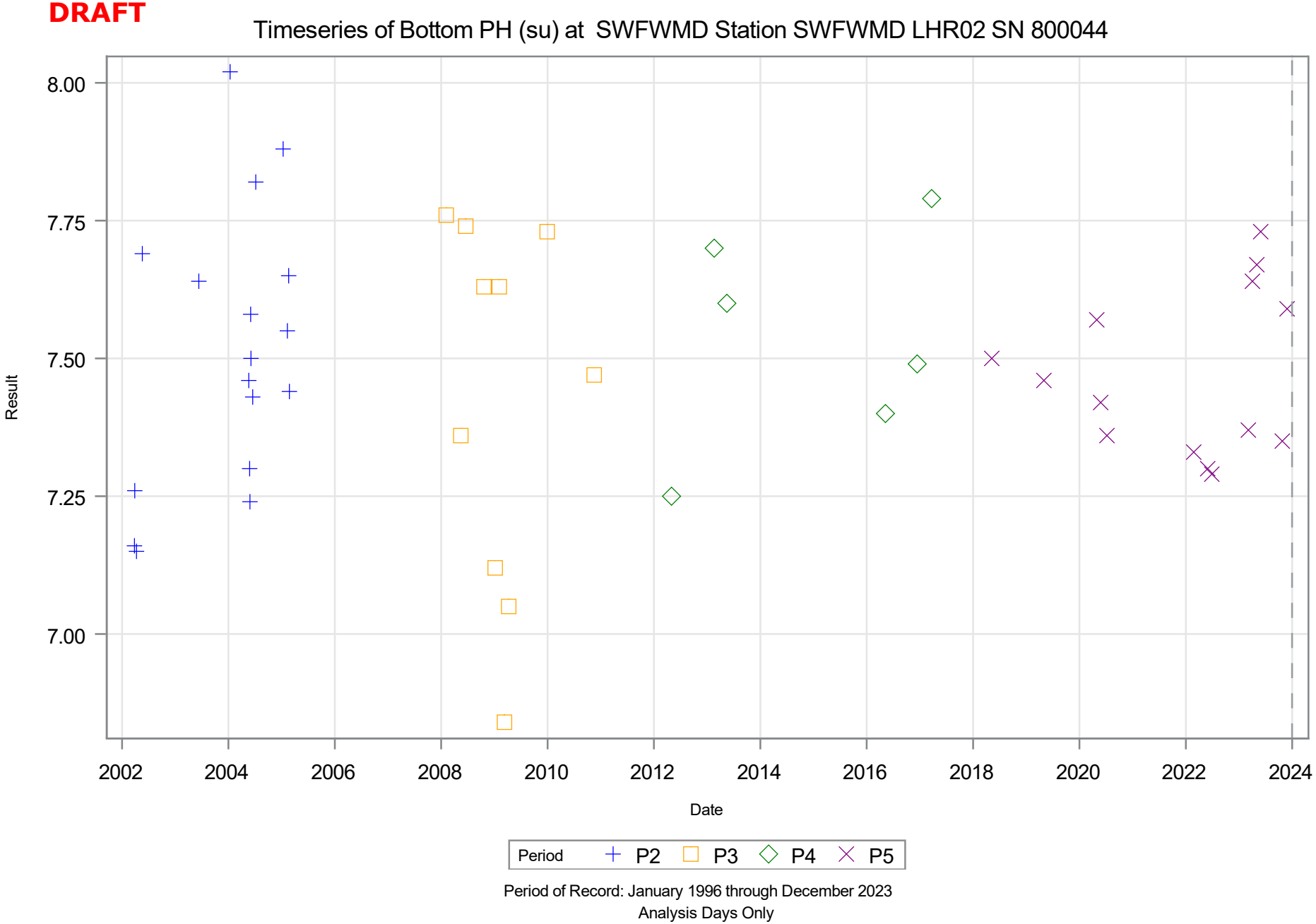
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	7.62	7.62	7.62	7.62	7.62	7.62
P3	2	7.41	7.41	7.63	7.63	7.85	7.85
P4	8	7.58	7.68	7.75	7.79	7.82	7.87
P5	17	7.40	7.54	7.65	7.62	7.71	8.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

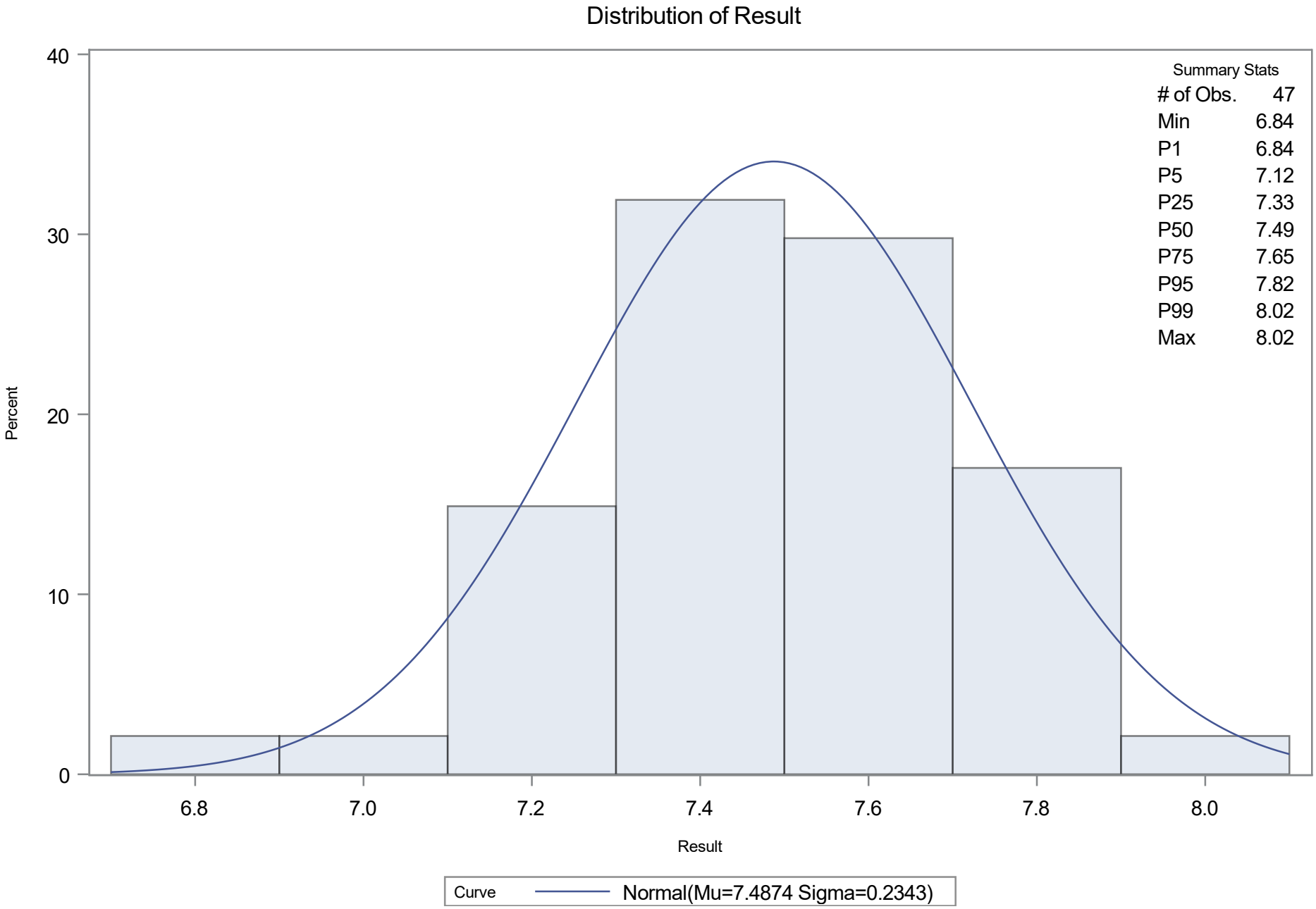

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
8.0
7.8
7.6
7.4
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
8.00
7.75
7.50
7.25
7.00
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.487447
Std Dev	Sigma	0.234349

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06892947	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02435221	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.16652315	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.84000	6.94227
5.0	7.12000	7.10198
10.0	7.16000	7.18712
25.0	7.33000	7.32938
50.0	7.49000	7.48745
75.0	7.65000	7.64551
90.0	7.76000	7.78778
95.0	7.82000	7.87292
99.0	8.02000	8.03262

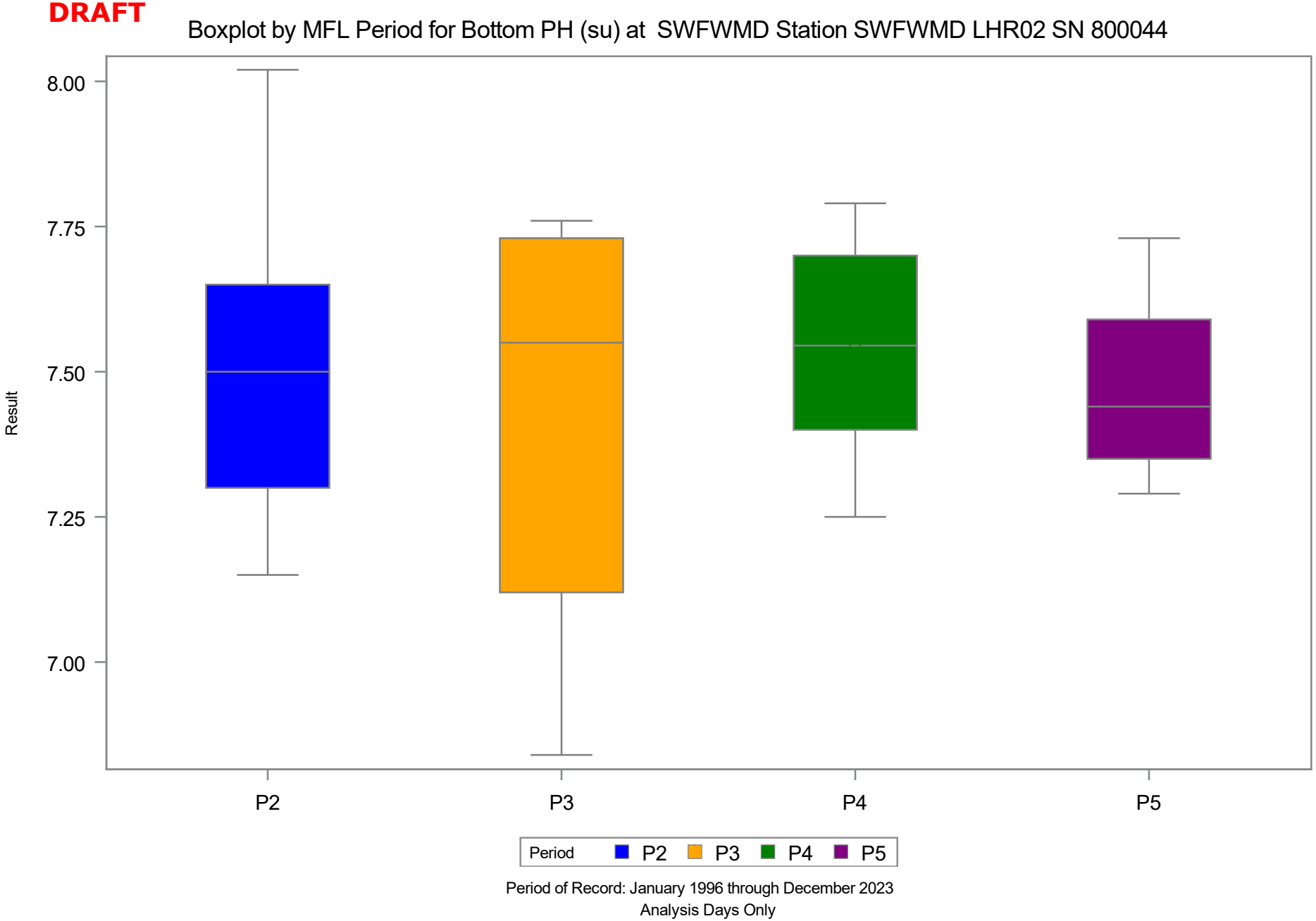
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044**

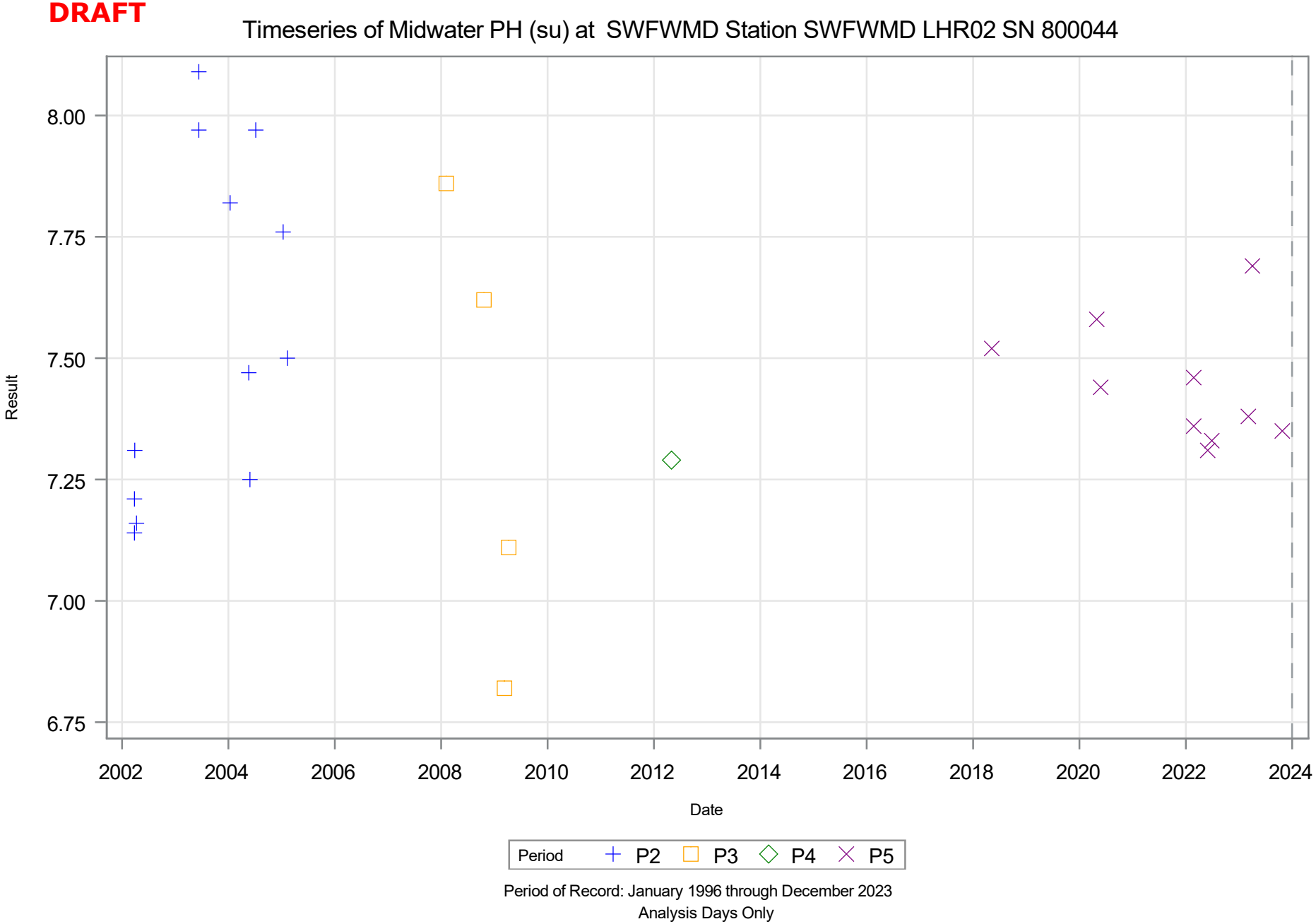
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	17	7.15	7.30	7.52	7.50	7.65	8.02
P3	10	6.84	7.12	7.43	7.55	7.73	7.76
P4	6	7.25	7.40	7.54	7.55	7.70	7.79
P5	14	7.29	7.35	7.47	7.44	7.59	7.73

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

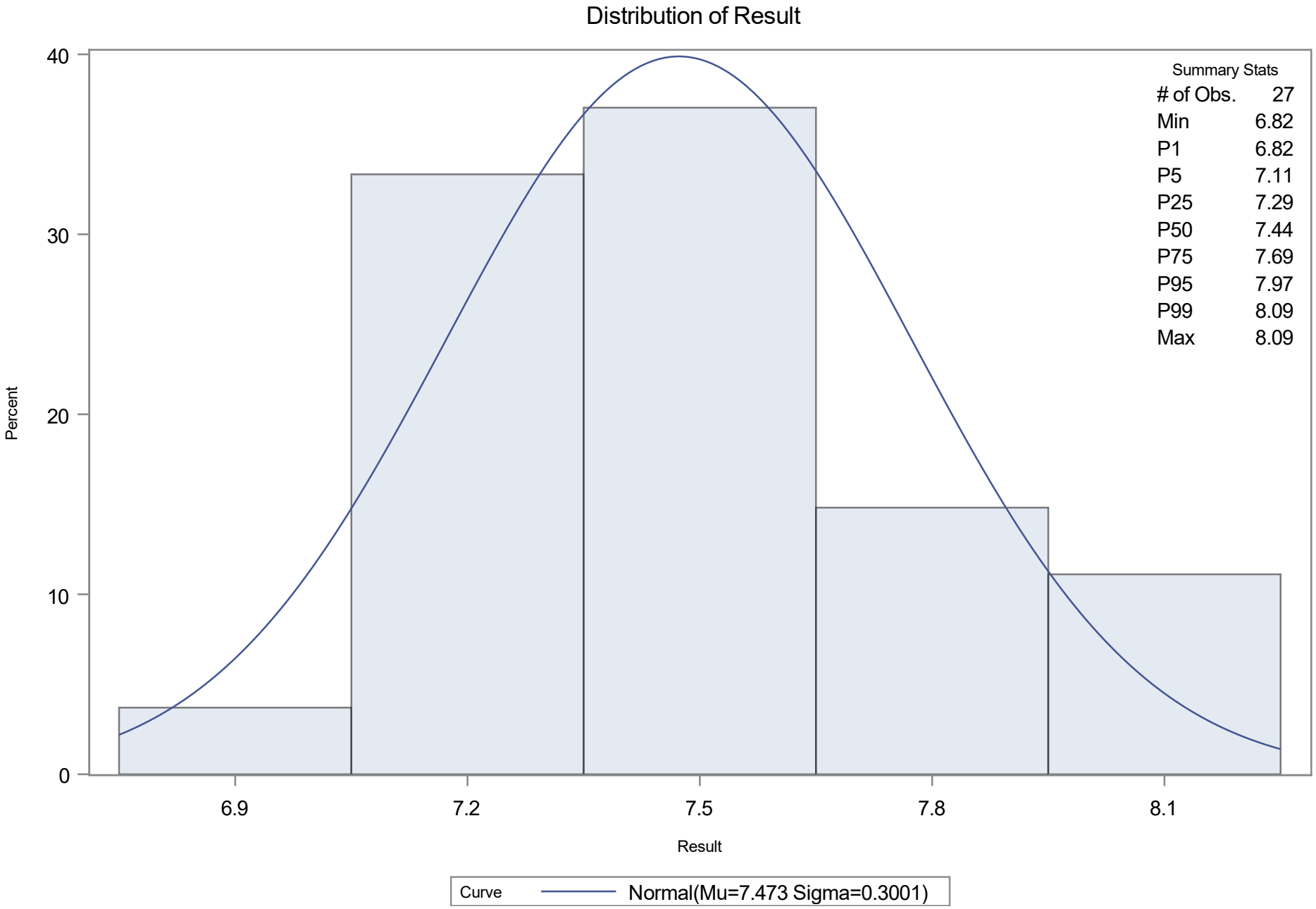

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
8.00
7.75
7.50
7.25
7.00
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
8.00
7.75
7.50
7.25
7.00
6.75
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.472963
Std Dev	Sigma	0.300075

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10438714	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06045763	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35764458	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.82000	6.77489
5.0	7.11000	6.97938
10.0	7.14000	7.08840
25.0	7.29000	7.27057
50.0	7.44000	7.47296
75.0	7.69000	7.67536
90.0	7.97000	7.85752
95.0	7.97000	7.96654
99.0	8.09000	8.17104

Period of Record: January 1996 through December 2023
Analysis Days Only

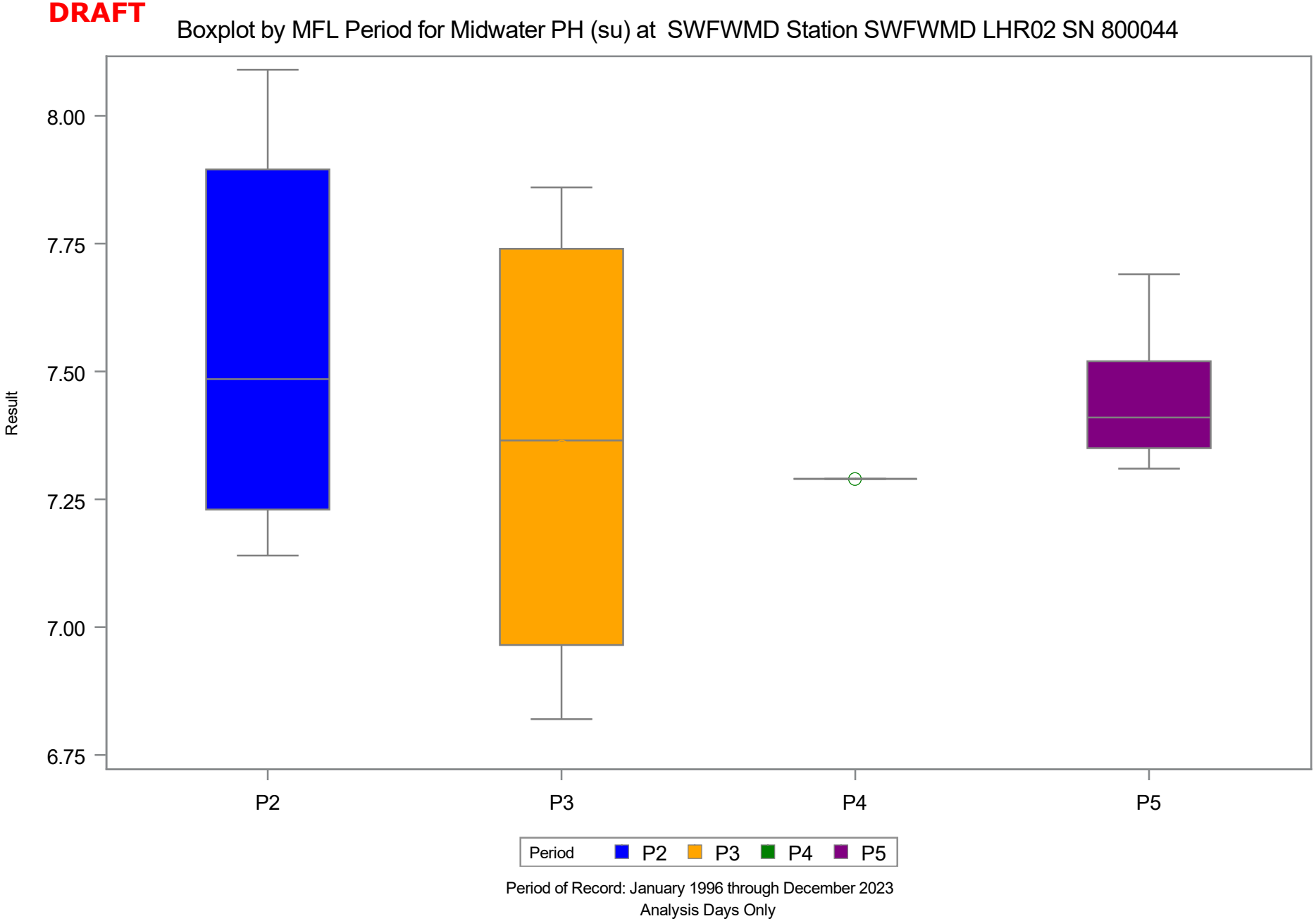
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044

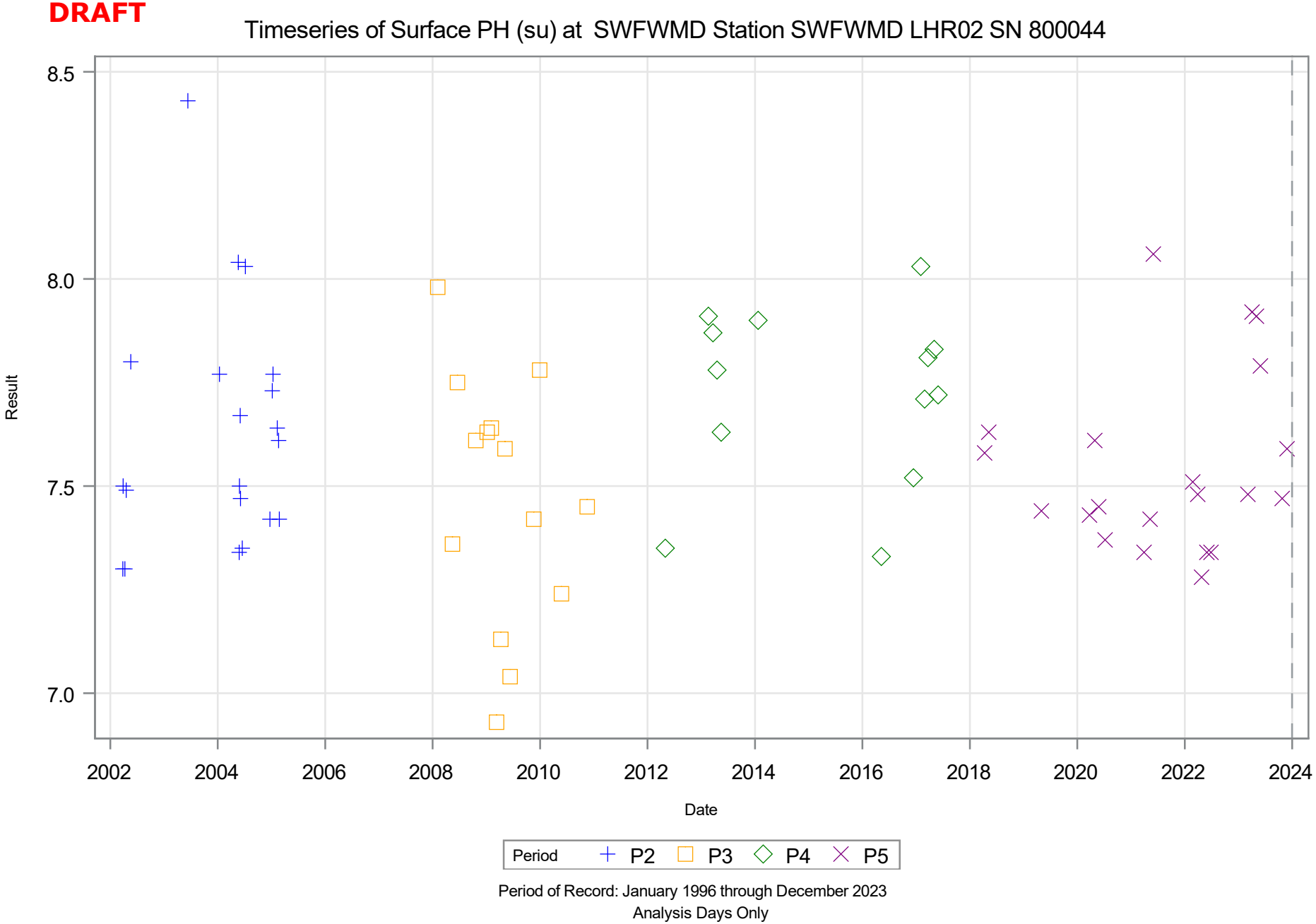
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	12	7.14	7.23	7.55	7.49	7.90	8.09
P3	4	6.82	6.97	7.35	7.37	7.74	7.86
P4	1	7.29	7.29	7.29	7.29	7.29	7.29
P5	10	7.31	7.35	7.44	7.41	7.52	7.69

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

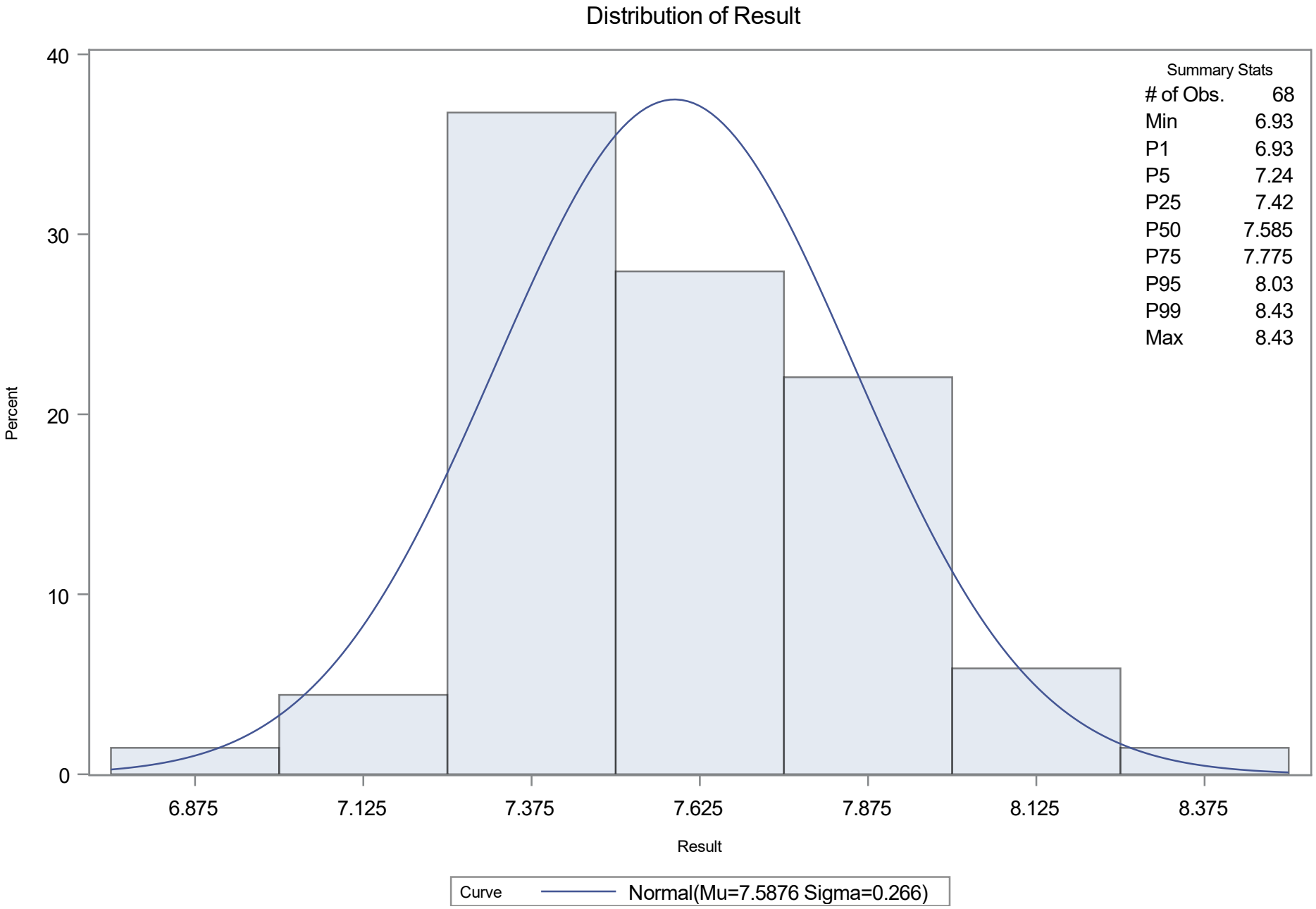

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
8.00
7.75
7.50
7.25
7.00
6.75
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044
8.5
8.0
7.5
7.0
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.587647
Std Dev	Sigma	0.266016

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08566103	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07668149	**Pr > W-Sq**	0.231
Anderson-Darling	**A-Sq**	0.47487802	**Pr > A-Sq**	0.239

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.93000	6.96880
5.0	7.24000	7.15009
10.0	7.30000	7.24673
25.0	7.42000	7.40822
50.0	7.58500	7.58765
75.0	7.77500	7.76707
90.0	7.92000	7.92856
95.0	8.03000	8.02520
99.0	8.43000	8.20649

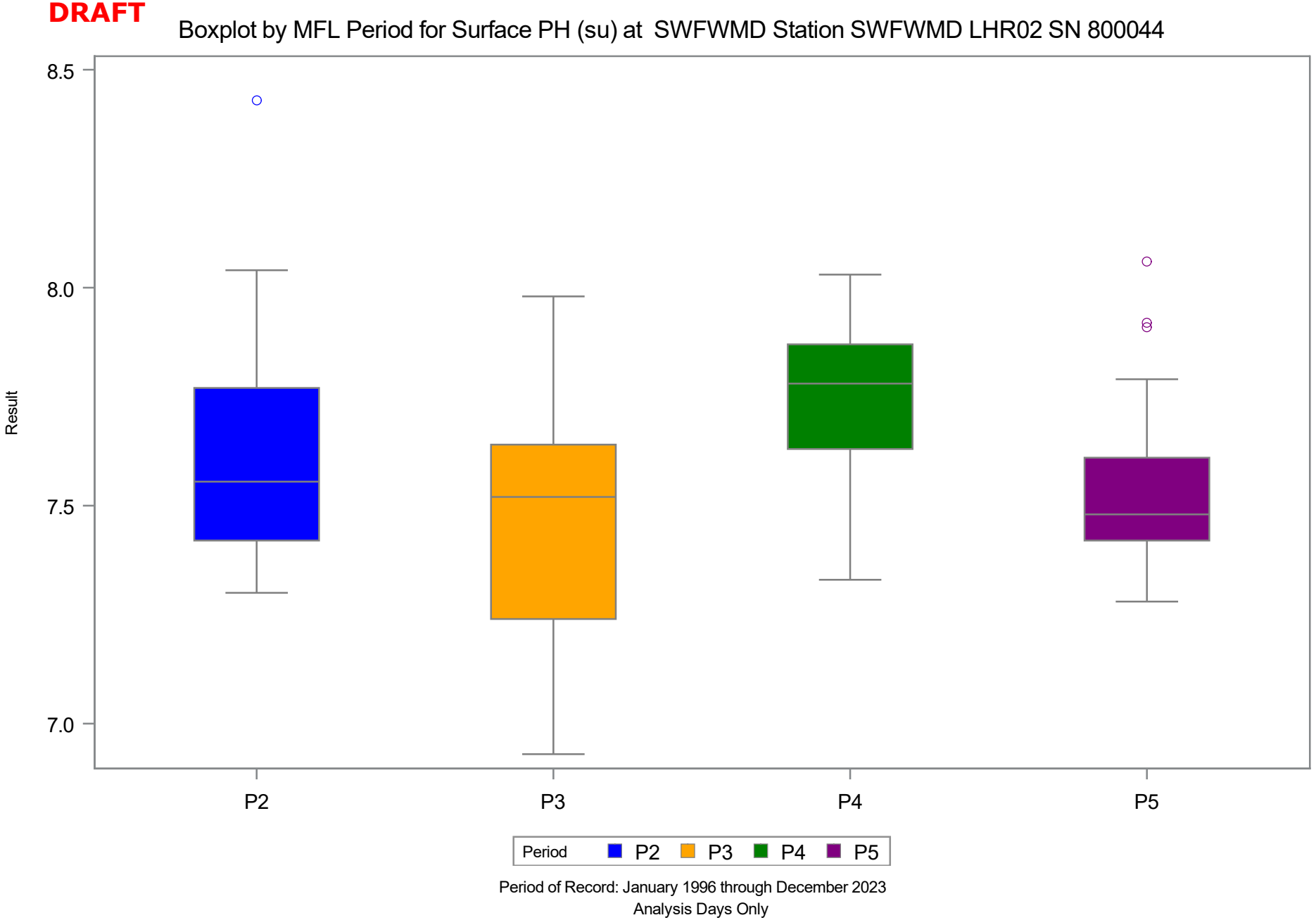
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044**

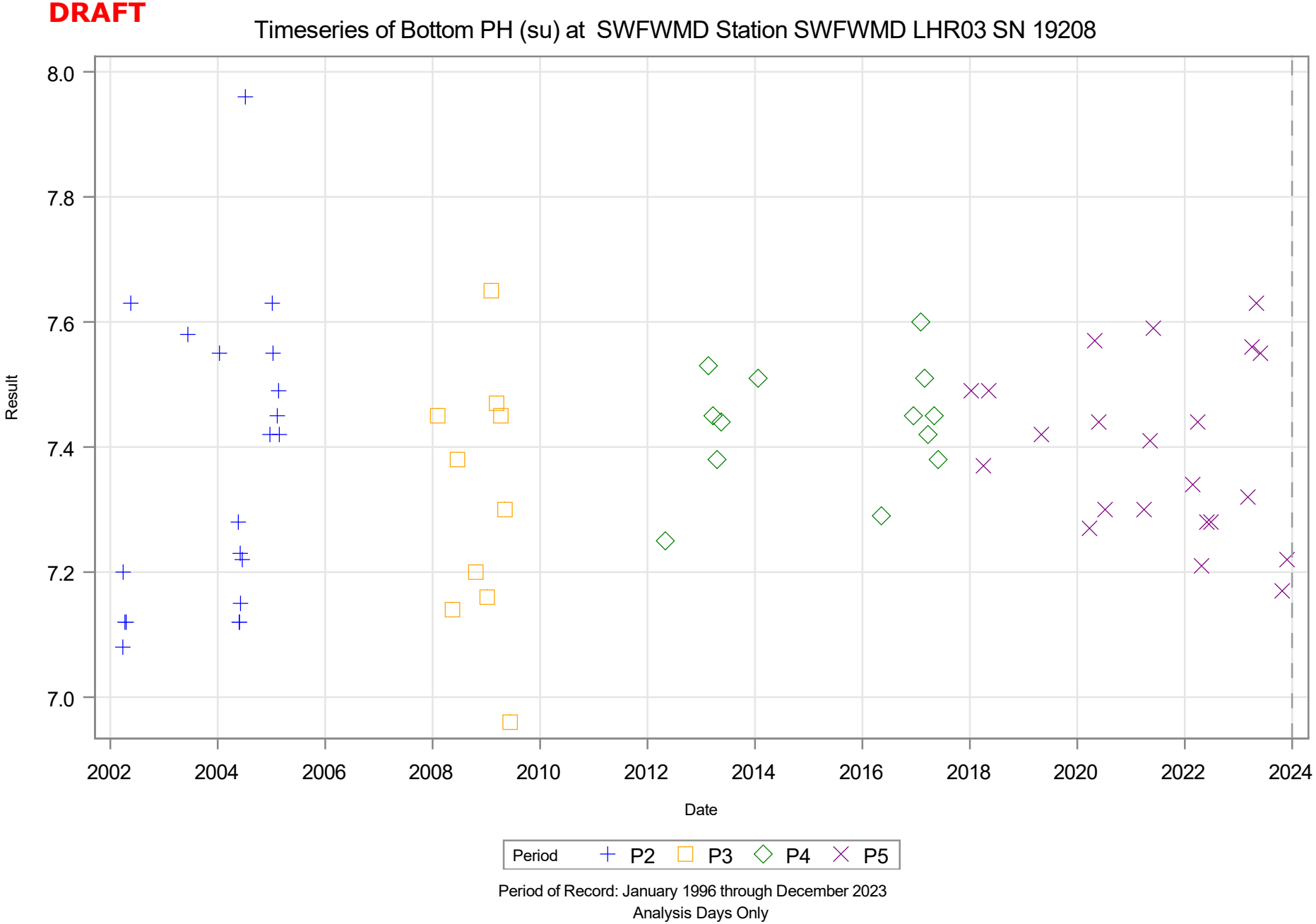
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	7.30	7.42	7.63	7.56	7.77	8.43
P3	14	6.93	7.24	7.47	7.52	7.64	7.98
P4	13	7.33	7.63	7.72	7.78	7.87	8.03
P5	21	7.28	7.42	7.54	7.48	7.61	8.06

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

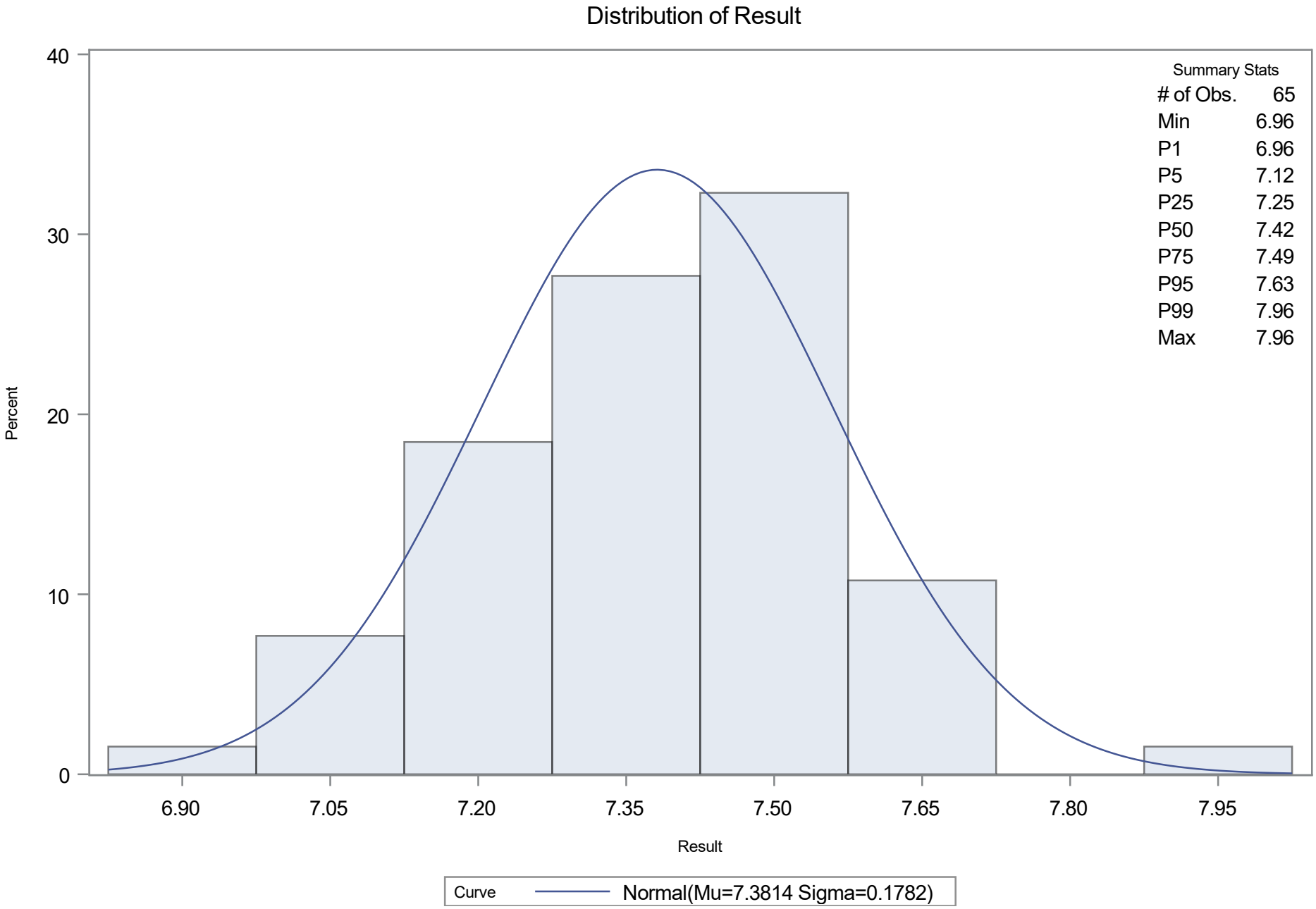

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
8.5
8.0
7.5
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
8.0
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.381385
Std Dev	Sigma	0.178158

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09348997	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07053086	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.46124476	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.96000	6.96693
5.0	7.12000	7.08834
10.0	7.14000	7.15307
25.0	7.25000	7.26122
50.0	7.42000	7.38138
75.0	7.49000	7.50155
90.0	7.59000	7.60970
95.0	7.63000	7.67443
99.0	7.96000	7.79584

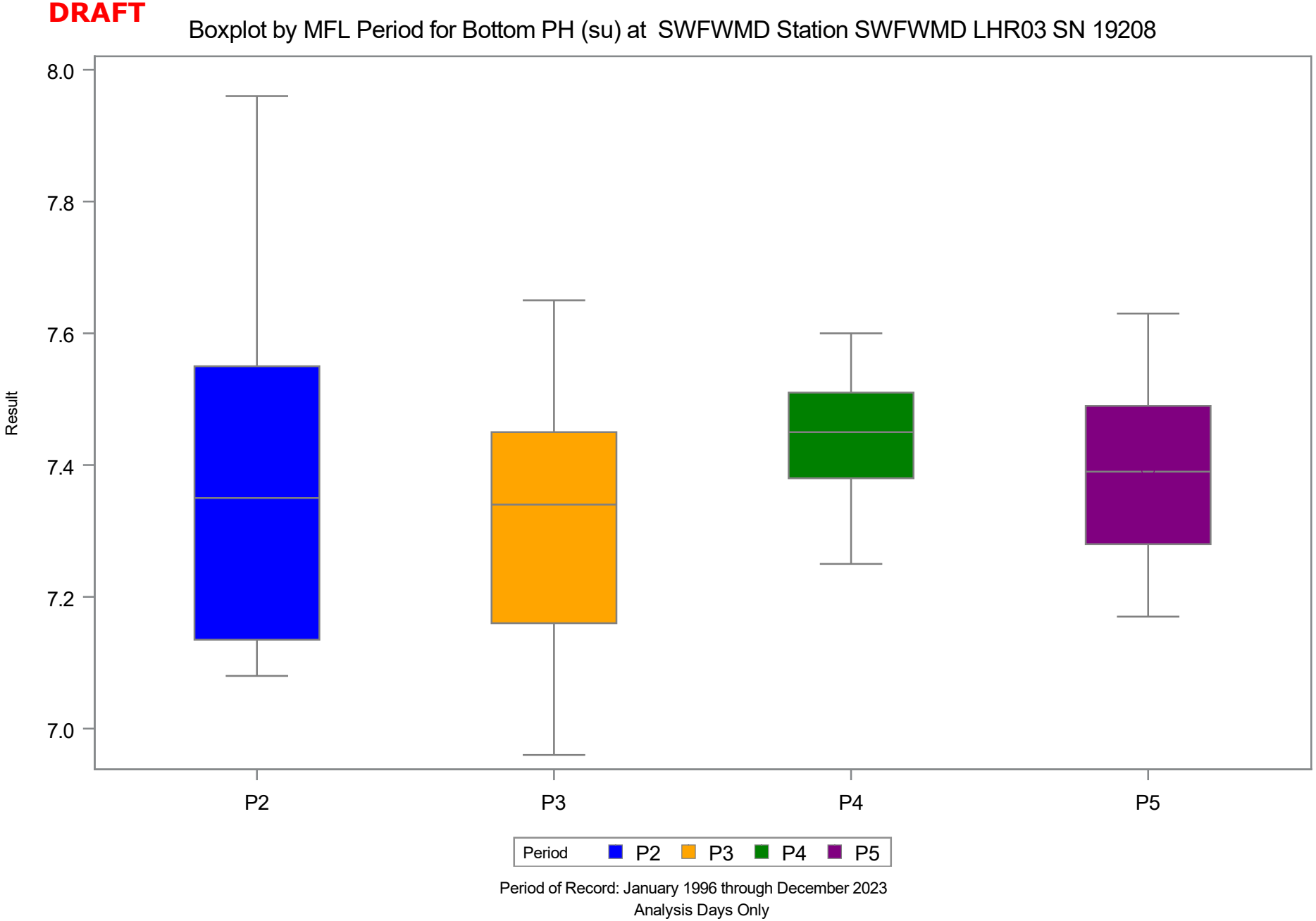
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208**

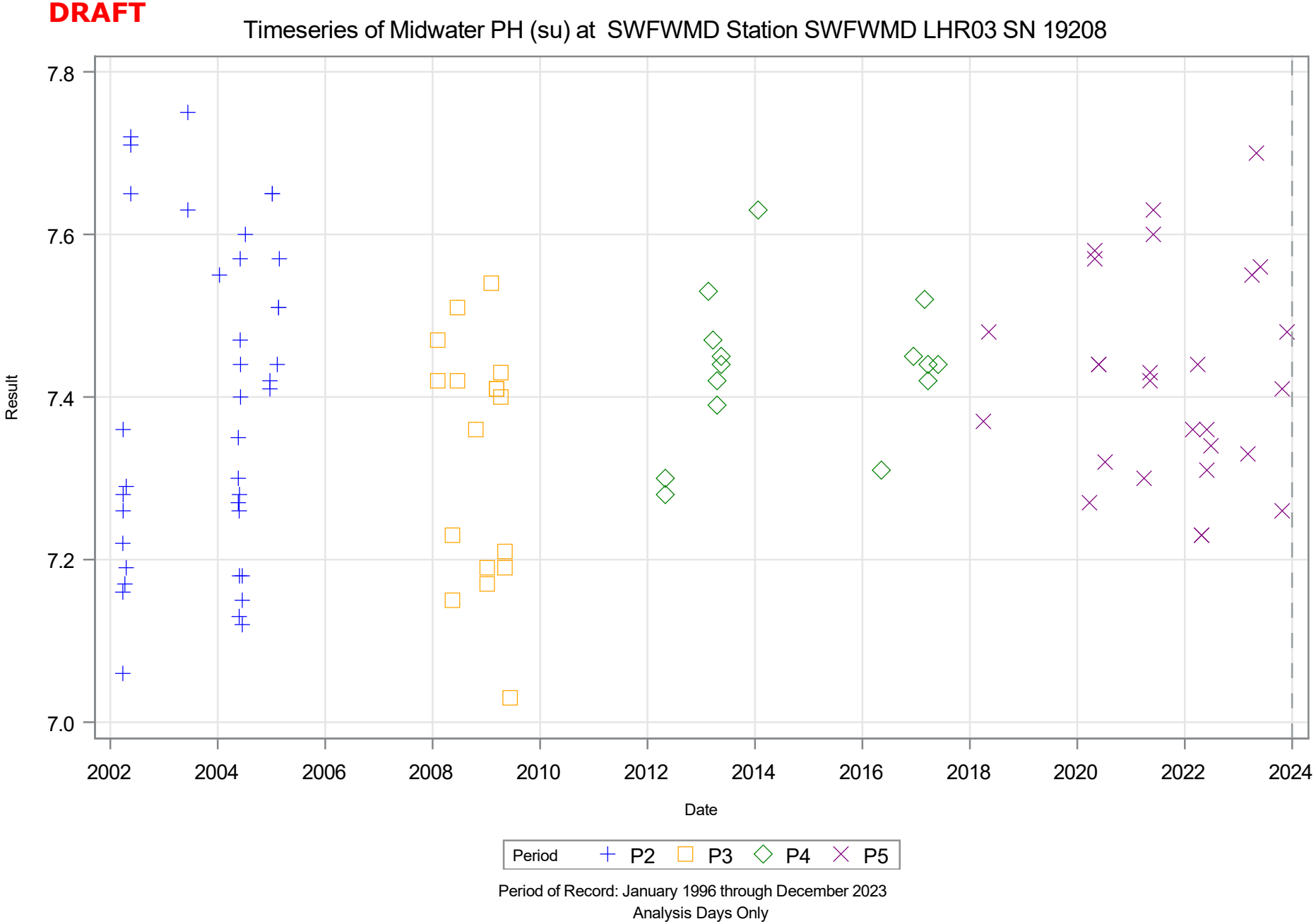
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	7.08	7.14	7.37	7.35	7.55	7.96
P3	10	6.96	7.16	7.32	7.34	7.45	7.65
P4	13	7.25	7.38	7.44	7.45	7.51	7.60
P5	22	7.17	7.28	7.39	7.39	7.49	7.63

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

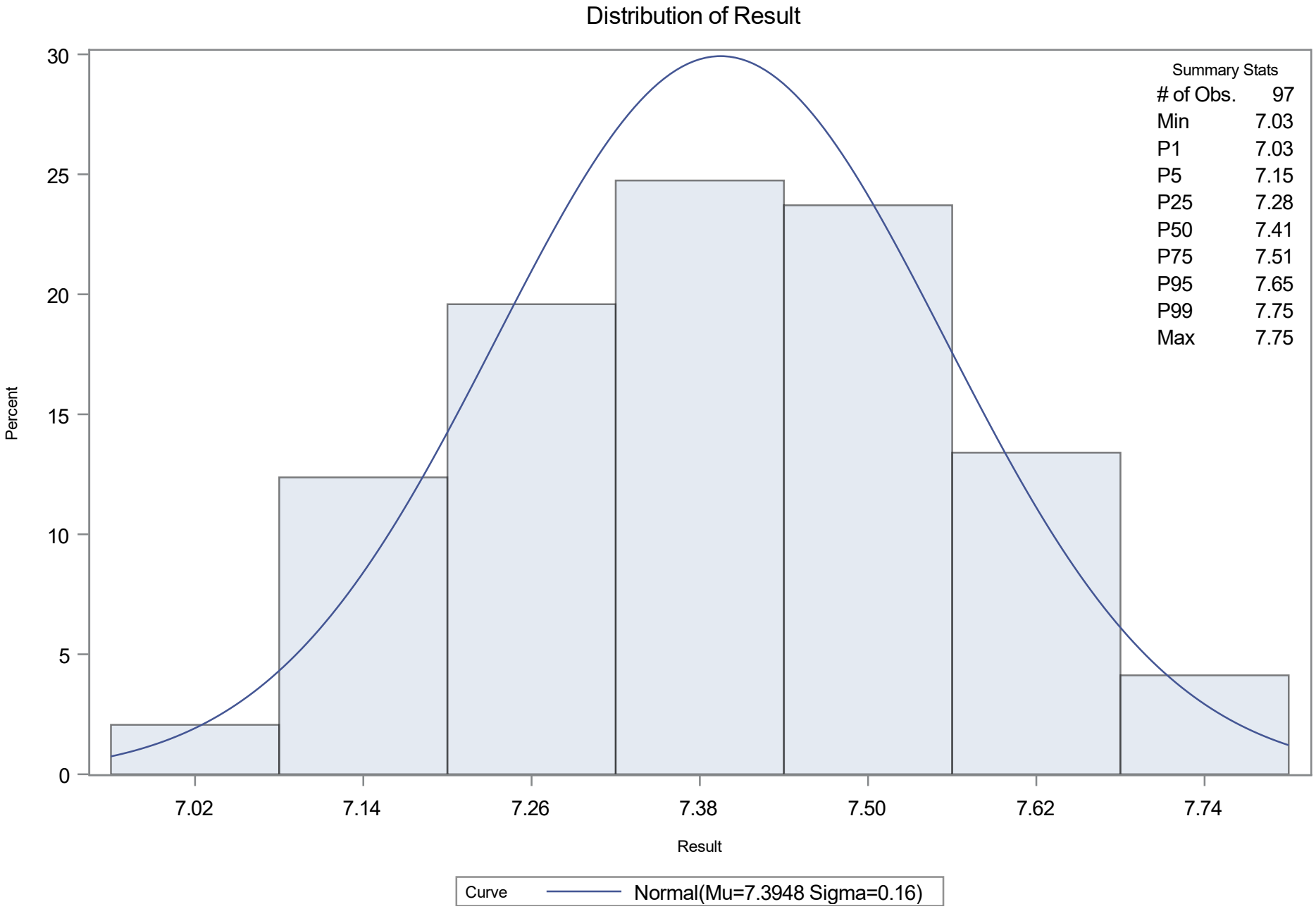

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
8.0
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.394845
Std Dev	Sigma	0.159975

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07381842	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06743218	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38501930	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.03000	7.02269
5.0	7.15000	7.13171
10.0	7.18000	7.18983
25.0	7.28000	7.28694
50.0	7.41000	7.39485
75.0	7.51000	7.50275
90.0	7.63000	7.59986
95.0	7.65000	7.65798
99.0	7.75000	7.76700

Period of Record: January 1996 through December 2023
Analysis Days Only

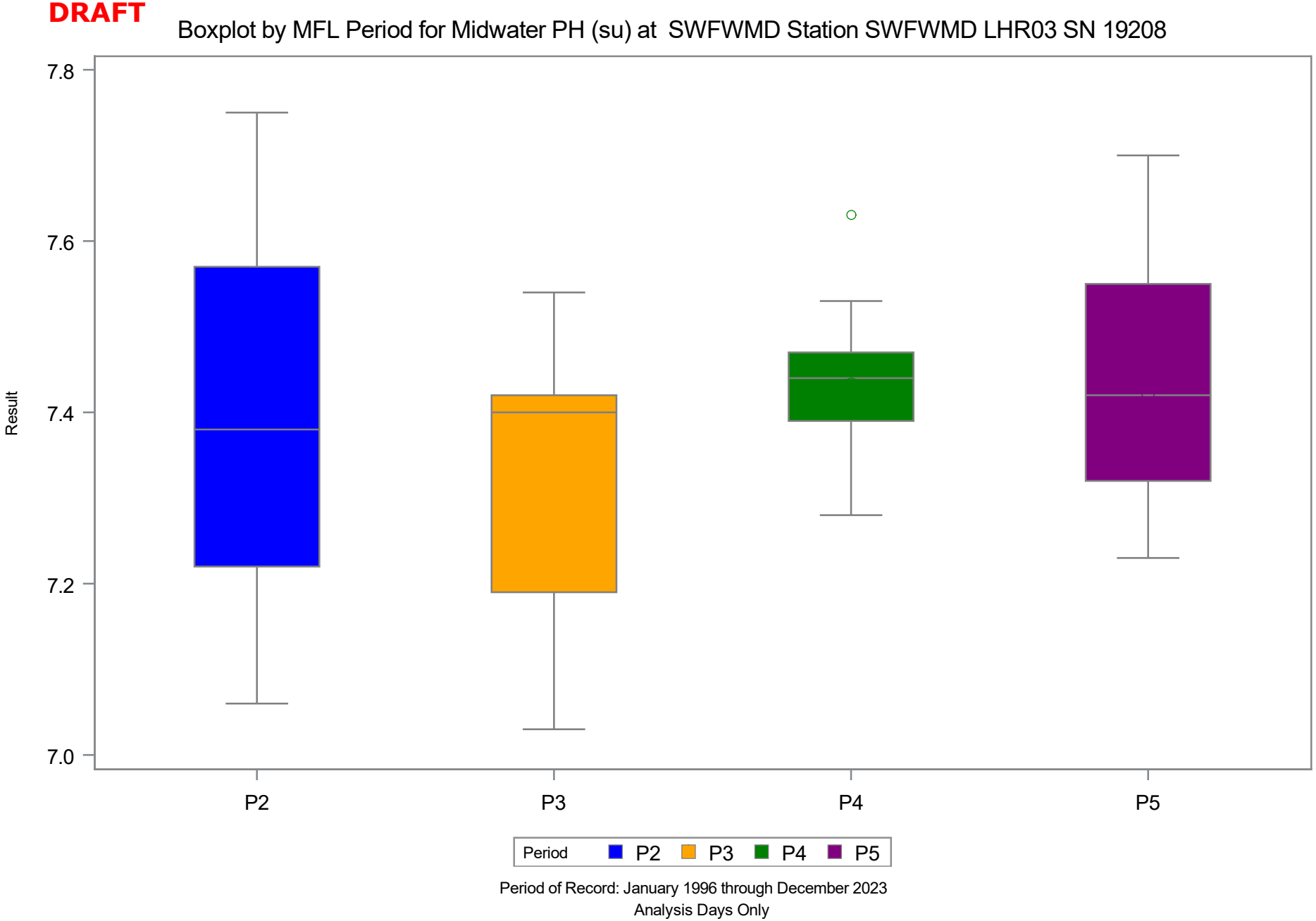
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208

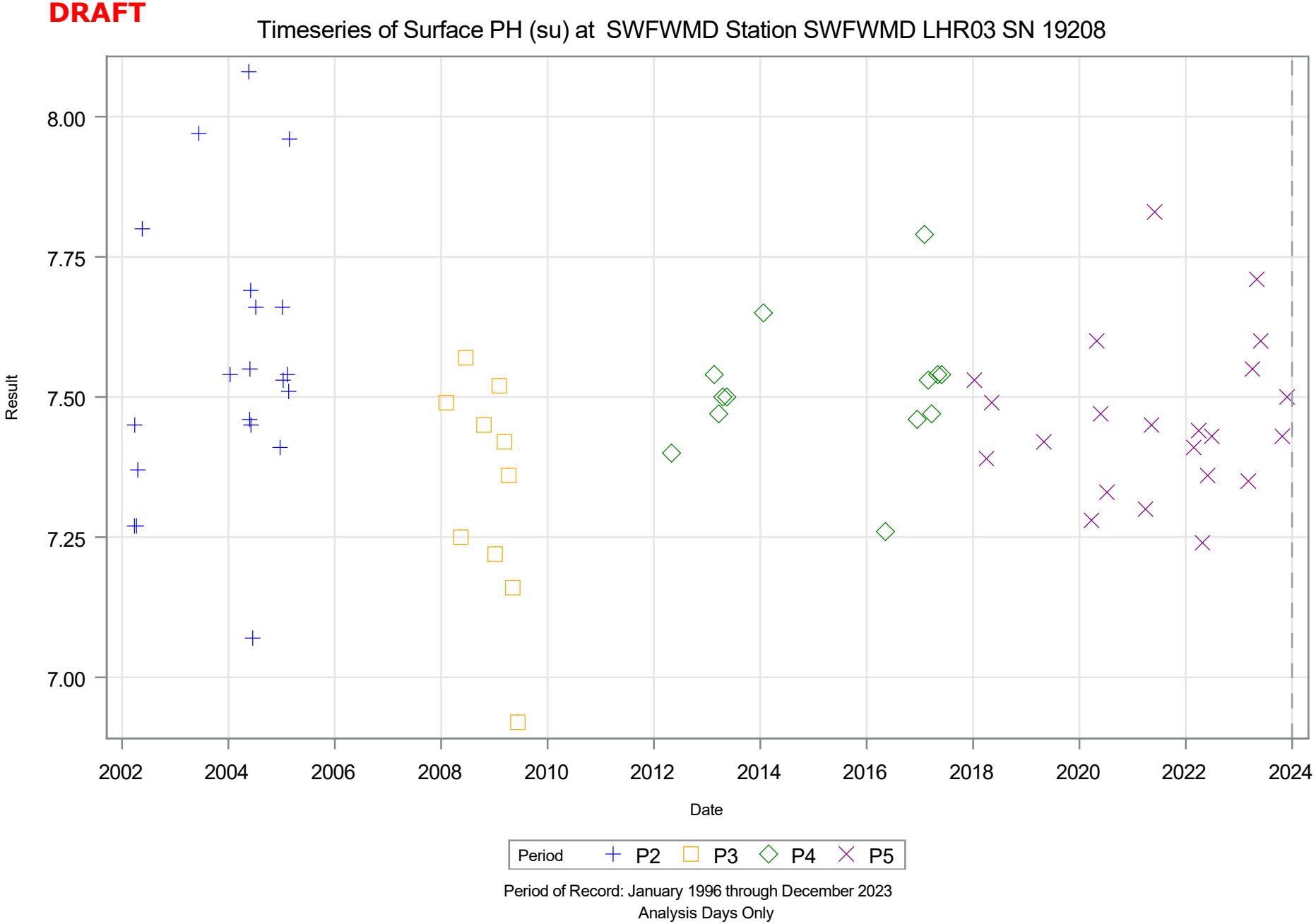
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	38	7.06	7.22	7.39	7.38	7.57	7.75
P3	17	7.03	7.19	7.33	7.40	7.42	7.54
P4	15	7.28	7.39	7.43	7.44	7.47	7.63
P5	27	7.23	7.32	7.42	7.42	7.55	7.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

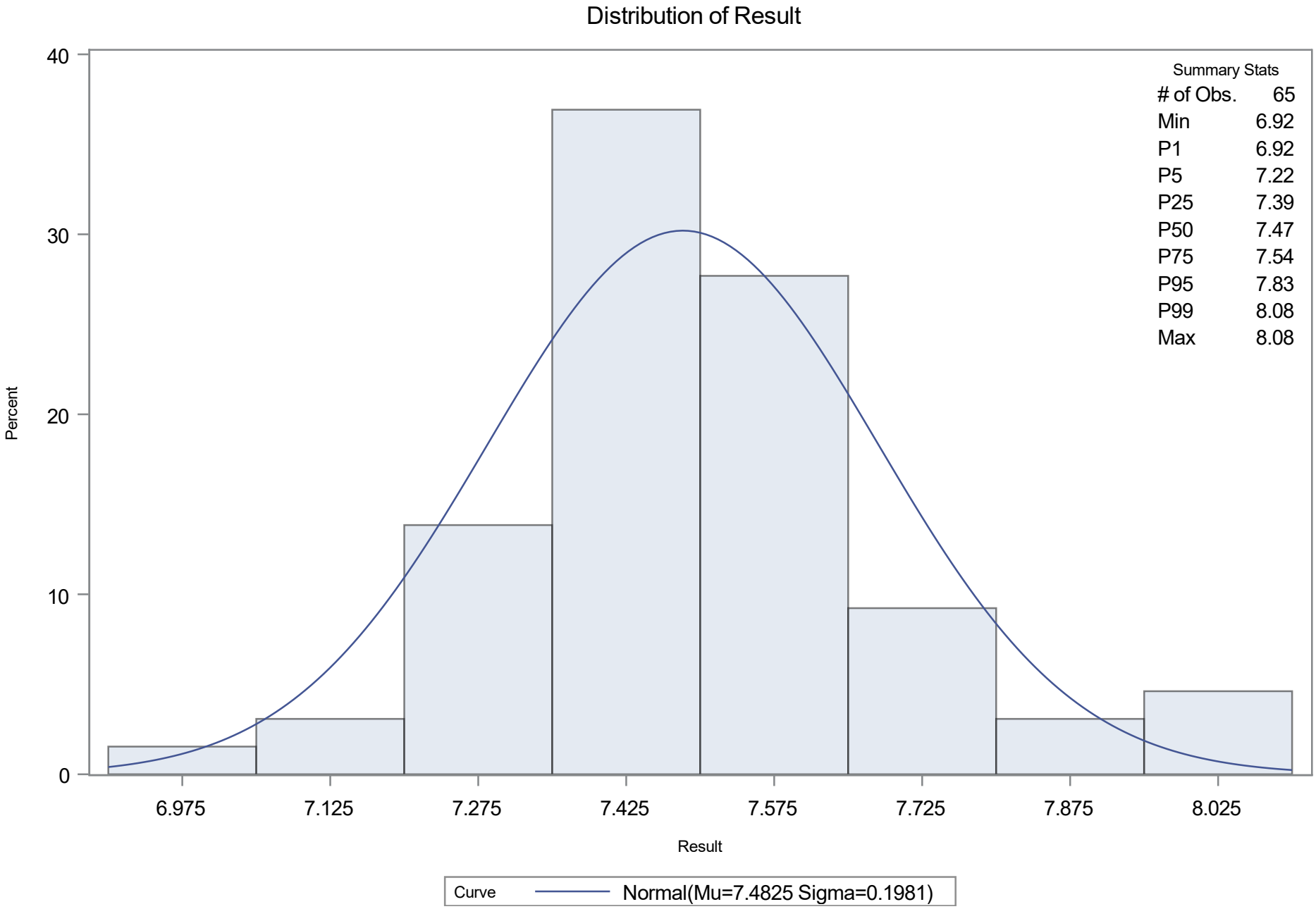

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
8.00
7.75
7.50
7.25
7.00
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.482462
Std Dev	Sigma	0.198124

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15120880	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21033011	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.16627257	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.92000	7.02156
5.0	7.22000	7.15658
10.0	7.26000	7.22856
25.0	7.39000	7.34883
50.0	7.47000	7.48246
75.0	7.54000	7.61609
90.0	7.71000	7.73637
95.0	7.83000	7.80835
99.0	8.08000	7.94337

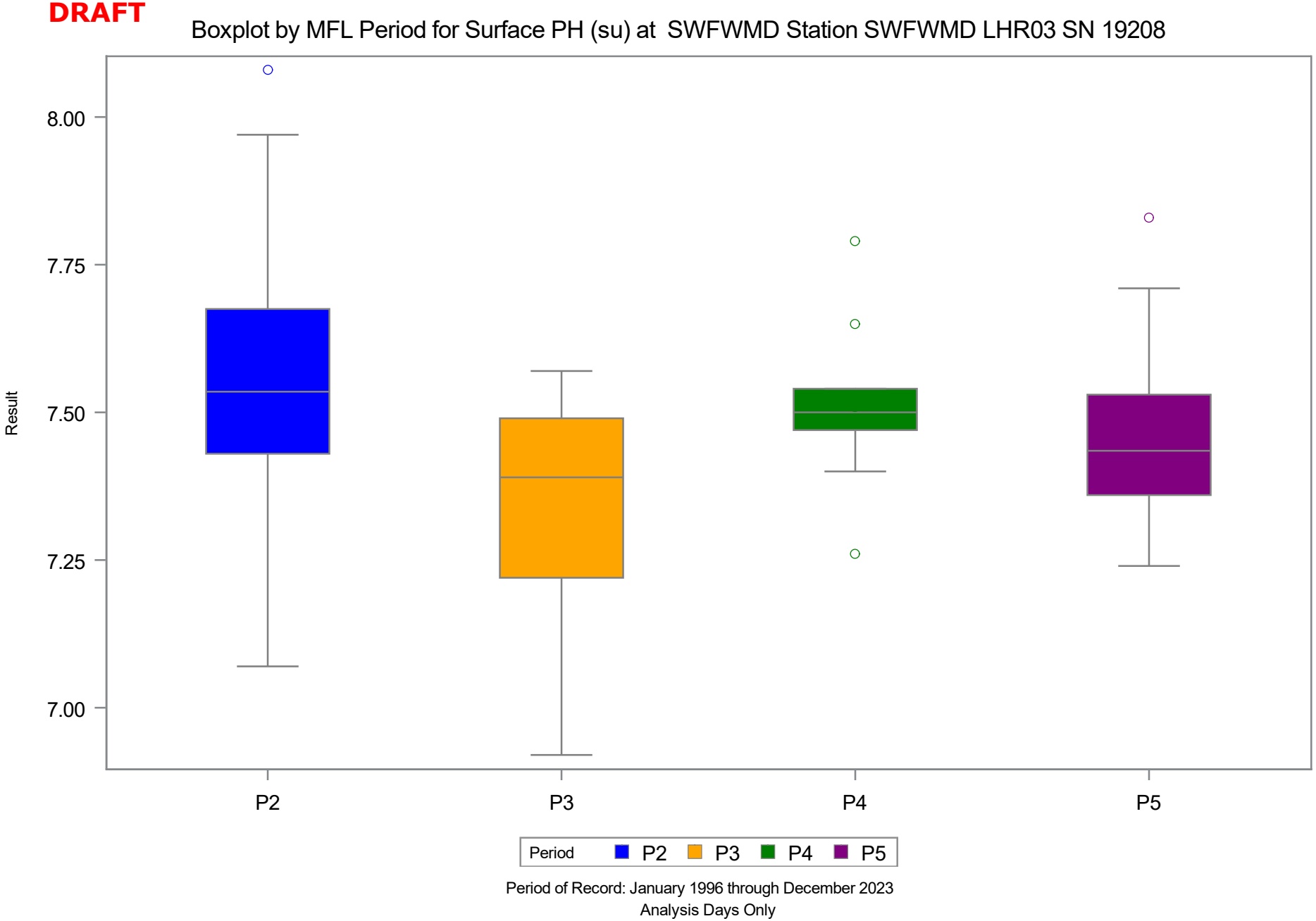
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208**

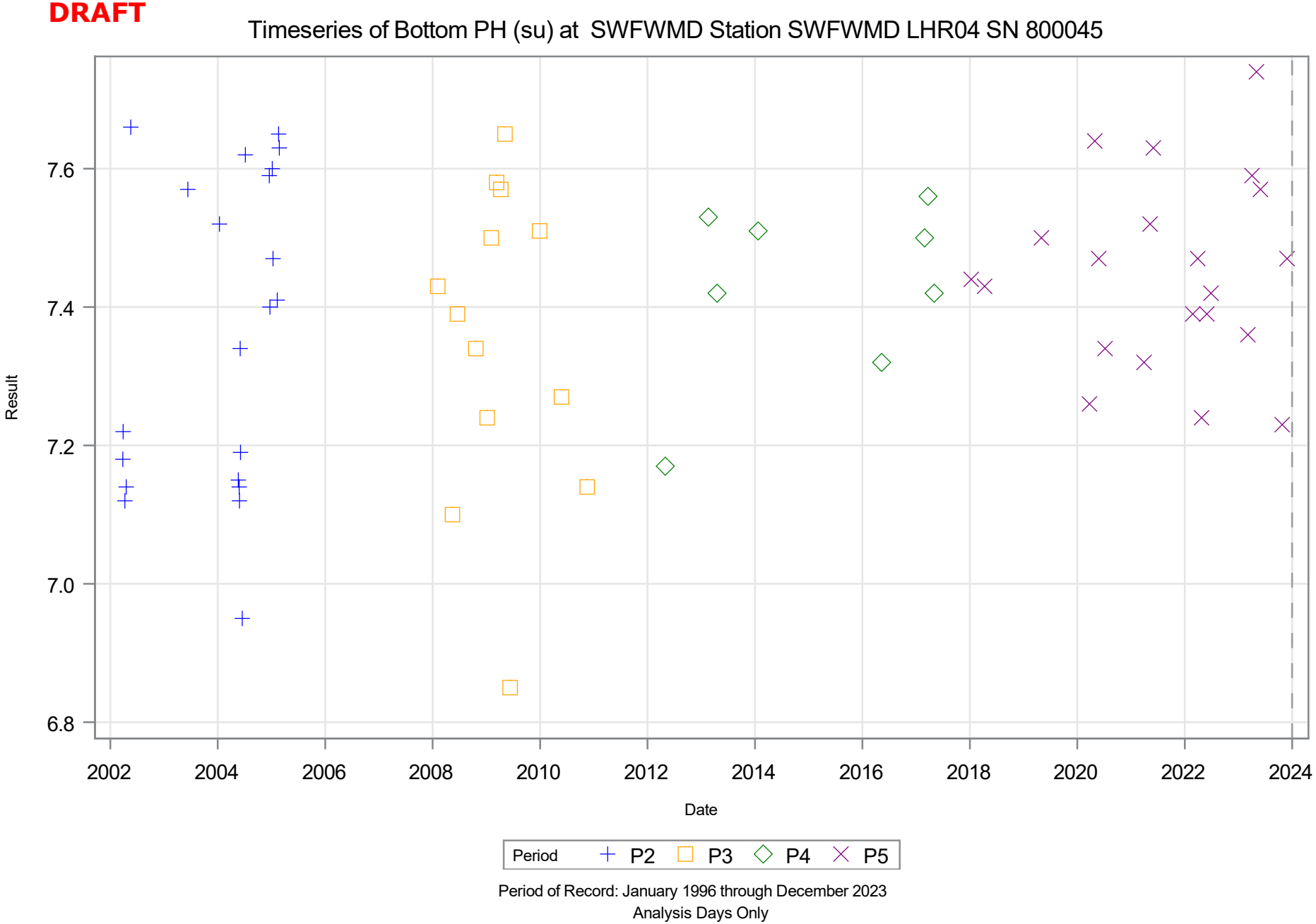
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	7.07	7.43	7.56	7.54	7.68	8.08
P3	10	6.92	7.22	7.34	7.39	7.49	7.57
P4	13	7.26	7.47	7.51	7.50	7.54	7.79
P5	22	7.24	7.36	7.46	7.44	7.53	7.83

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

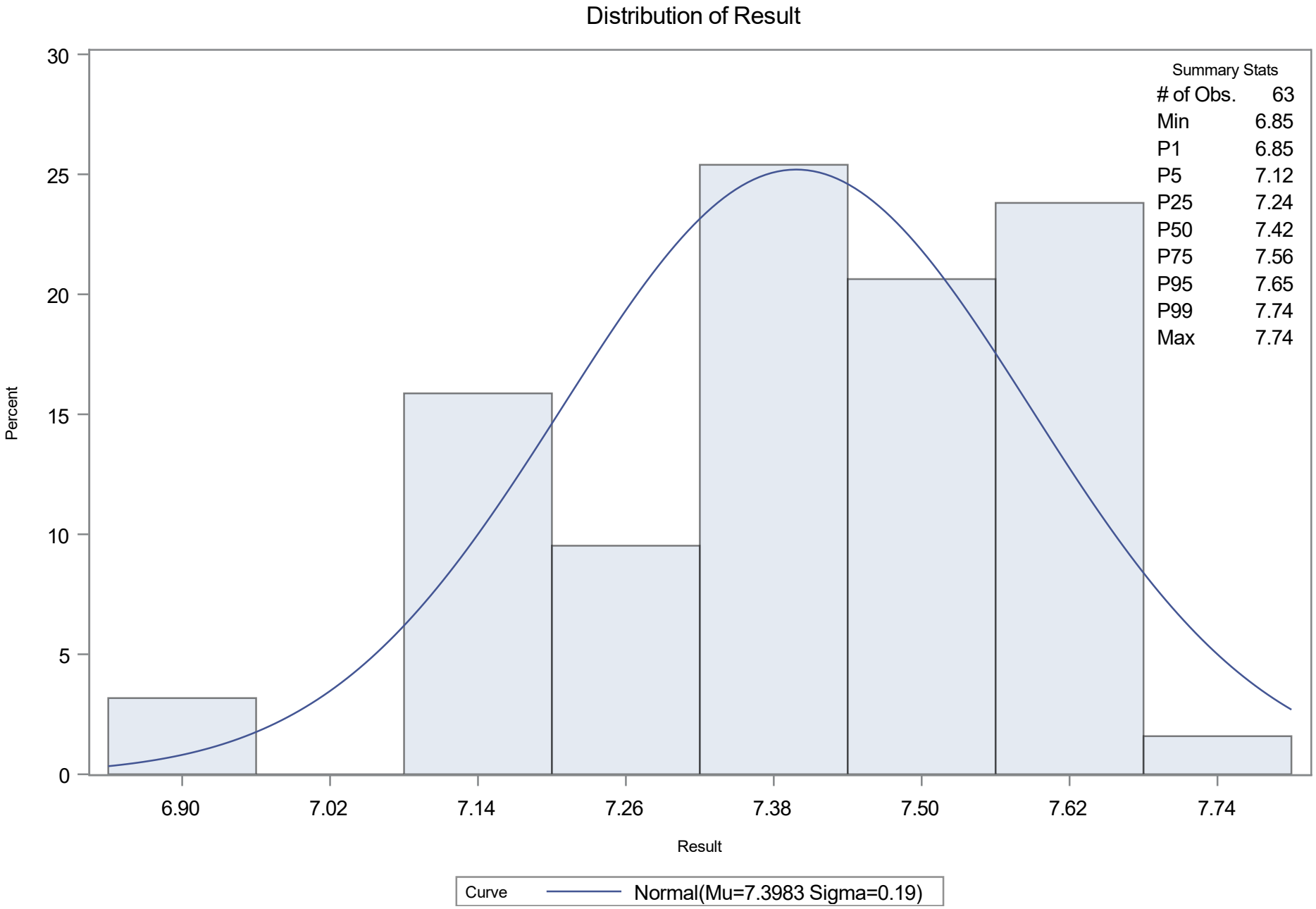

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
8.00
7.75
7.50
7.25
7.00
P2
P3
P4
P5
Period P2 P3 P4 P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.398254
Std Dev	Sigma	0.189988

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10172111	**Pr > D**	0.102
Cramer-von Mises	**W-Sq**	0.11999973	**Pr > W-Sq**	0.061
Anderson-Darling	**A-Sq**	0.74848675	**Pr > A-Sq**	0.049

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.85000	6.95628
5.0	7.12000	7.08575
10.0	7.14000	7.15478
25.0	7.24000	7.27011
50.0	7.42000	7.39825
75.0	7.56000	7.52640
90.0	7.63000	7.64173
95.0	7.65000	7.71076
99.0	7.74000	7.84023

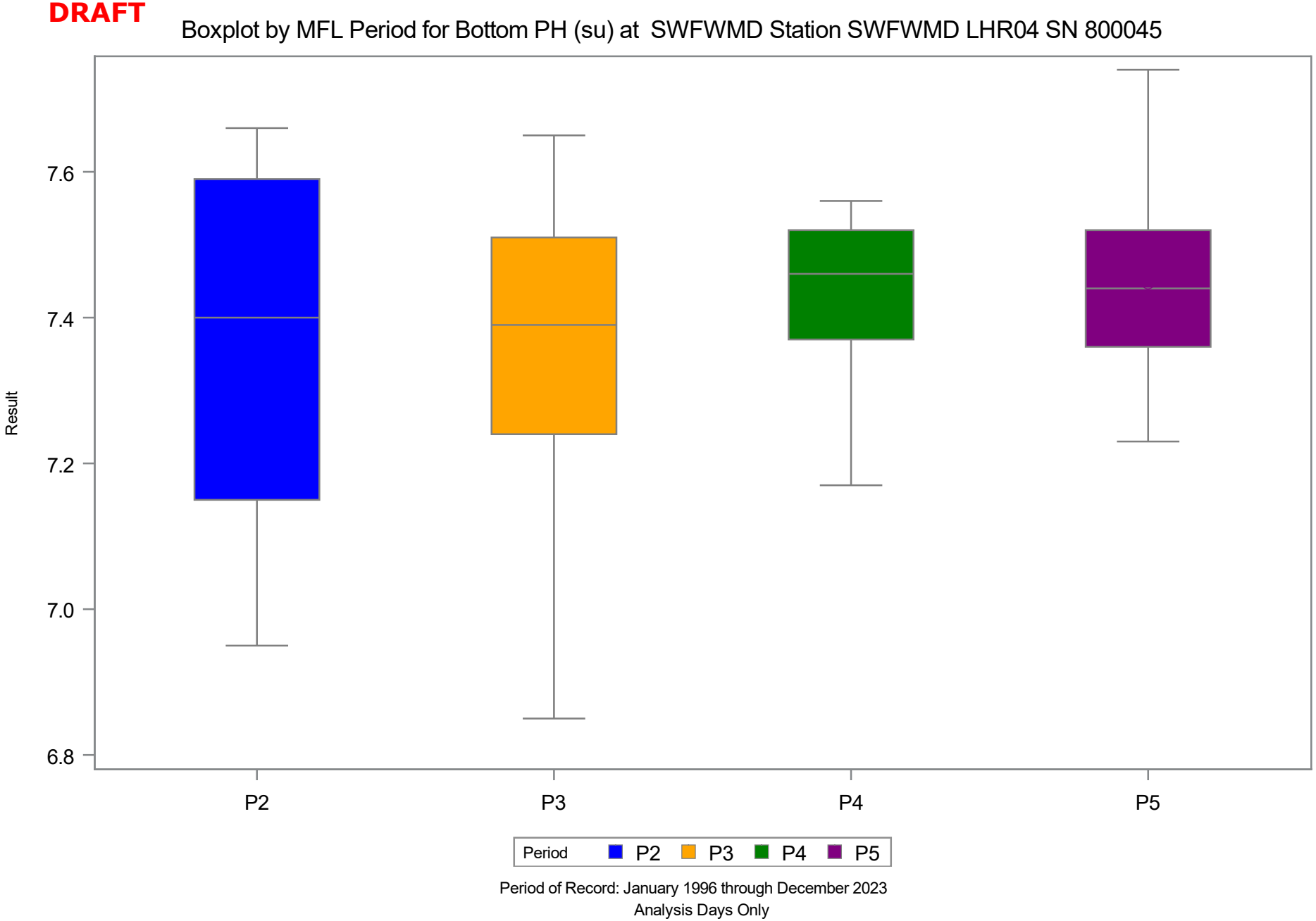
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045**

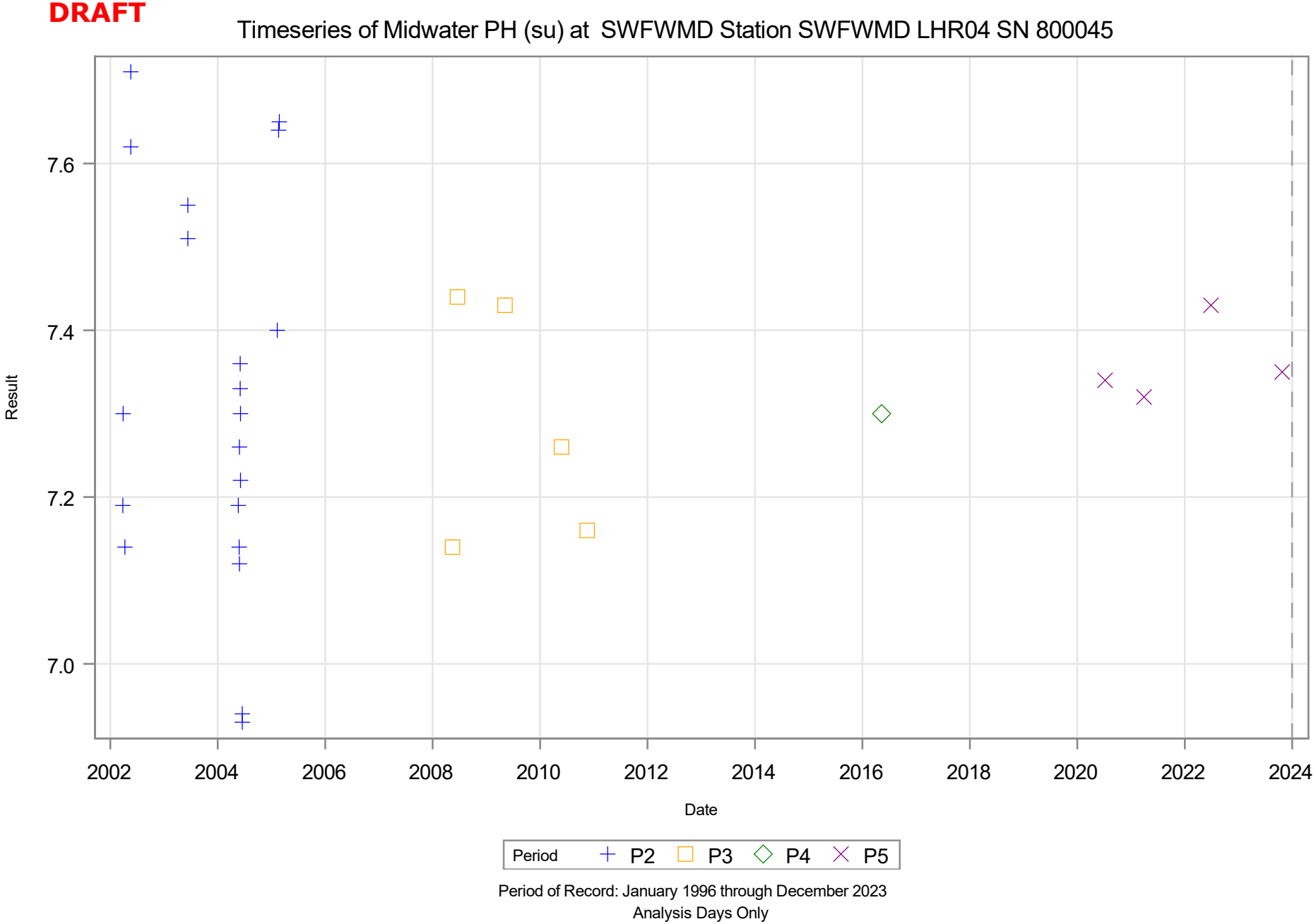
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.95	7.15	7.37	7.40	7.59	7.66
P3	13	6.85	7.24	7.35	7.39	7.51	7.65
P4	8	7.17	7.37	7.43	7.46	7.52	7.56
P5	21	7.23	7.36	7.45	7.44	7.52	7.74

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

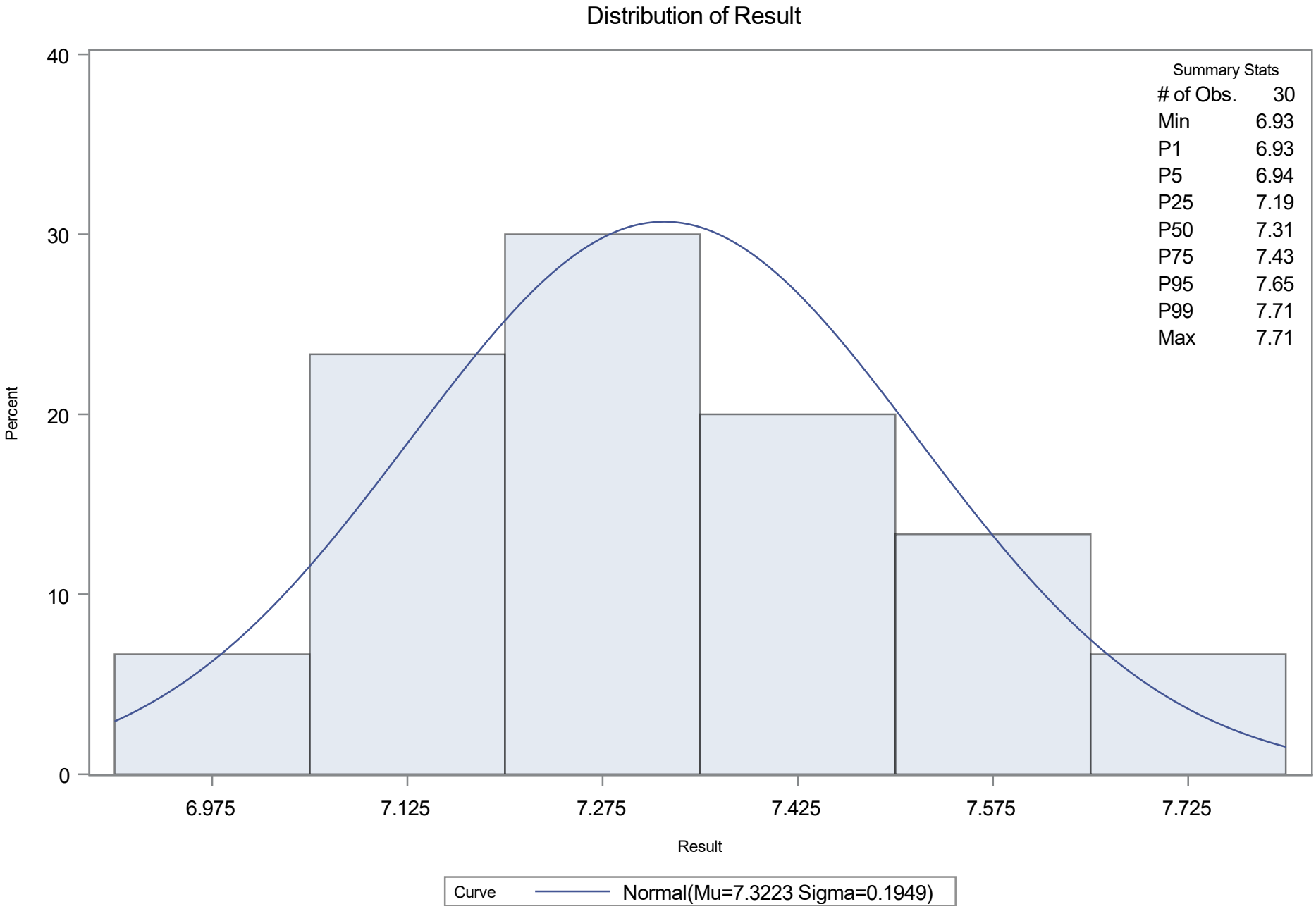

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.322333
Std Dev	Sigma	0.194913

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09004864	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04006071	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29473052	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.93000	6.86890
5.0	6.94000	7.00173
10.0	7.13000	7.07254
25.0	7.19000	7.19087
50.0	7.31000	7.32233
75.0	7.43000	7.45380
90.0	7.63000	7.57212
95.0	7.65000	7.64294
99.0	7.71000	7.77577

Period of Record: January 1996 through December 2023
Analysis Days Only

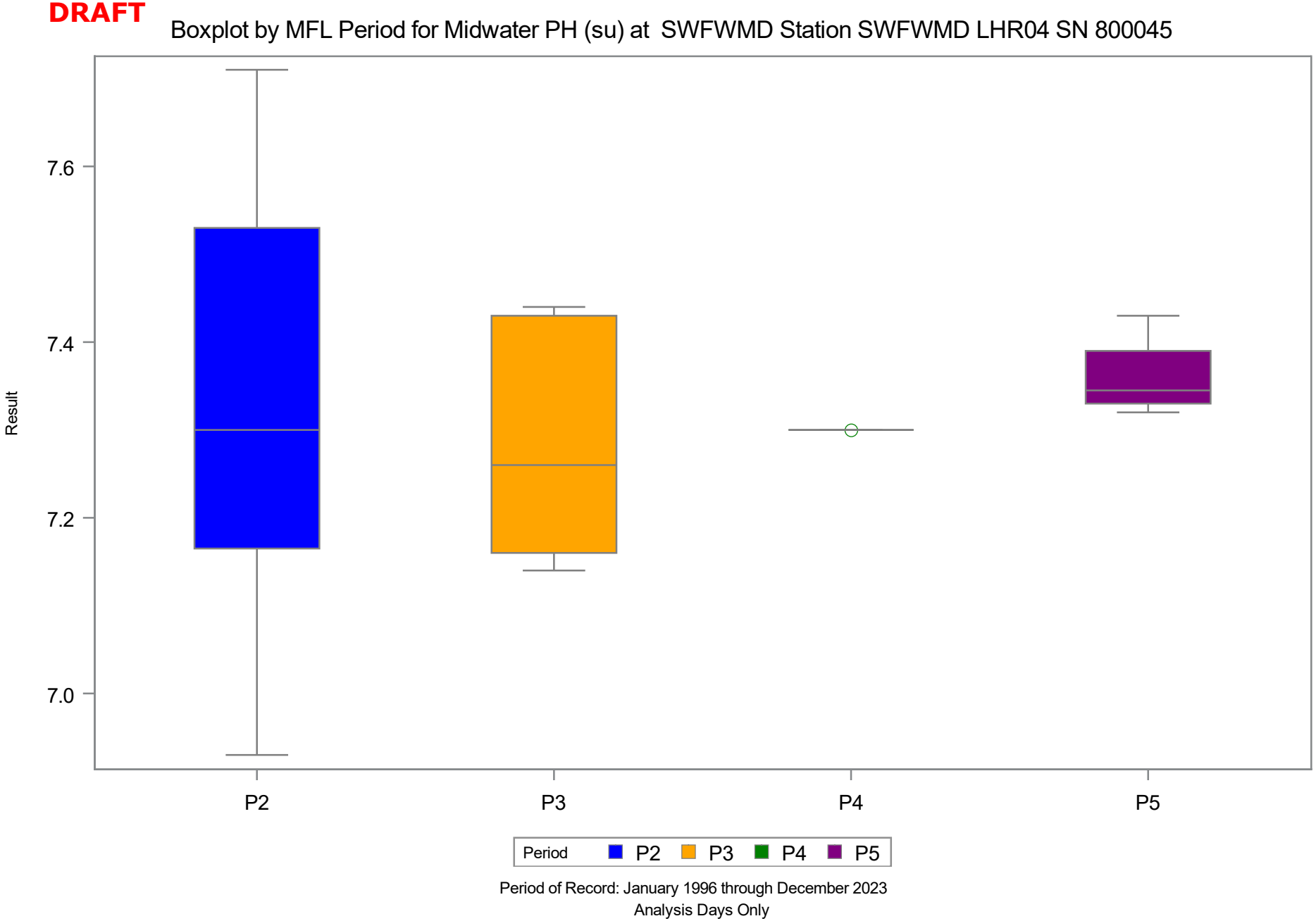
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045

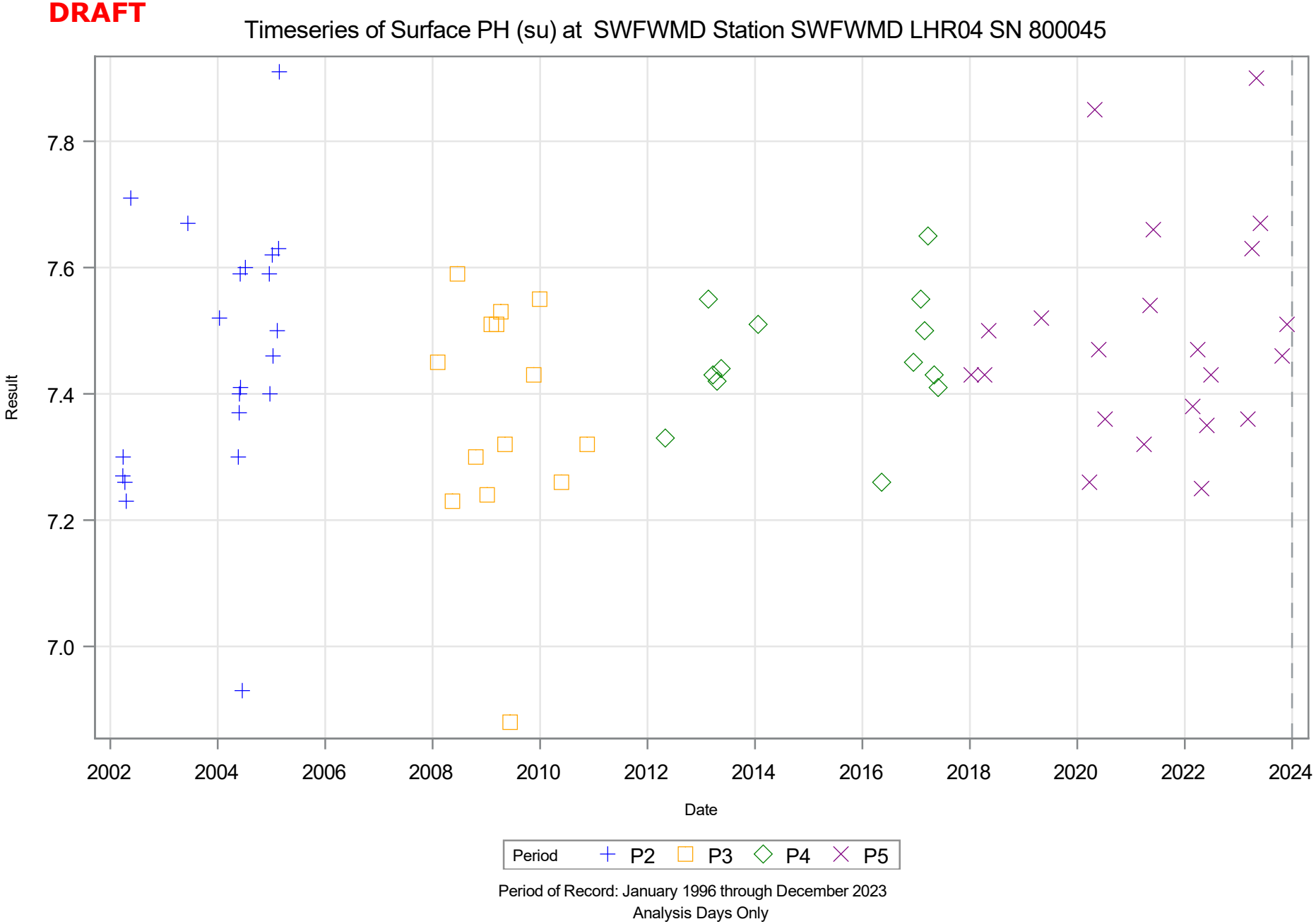
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	6.93	7.17	7.33	7.30	7.53	7.71
P3	5	7.14	7.16	7.29	7.26	7.43	7.44
P4	1	7.30	7.30	7.30	7.30	7.30	7.30
P5	4	7.32	7.33	7.36	7.35	7.39	7.43

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

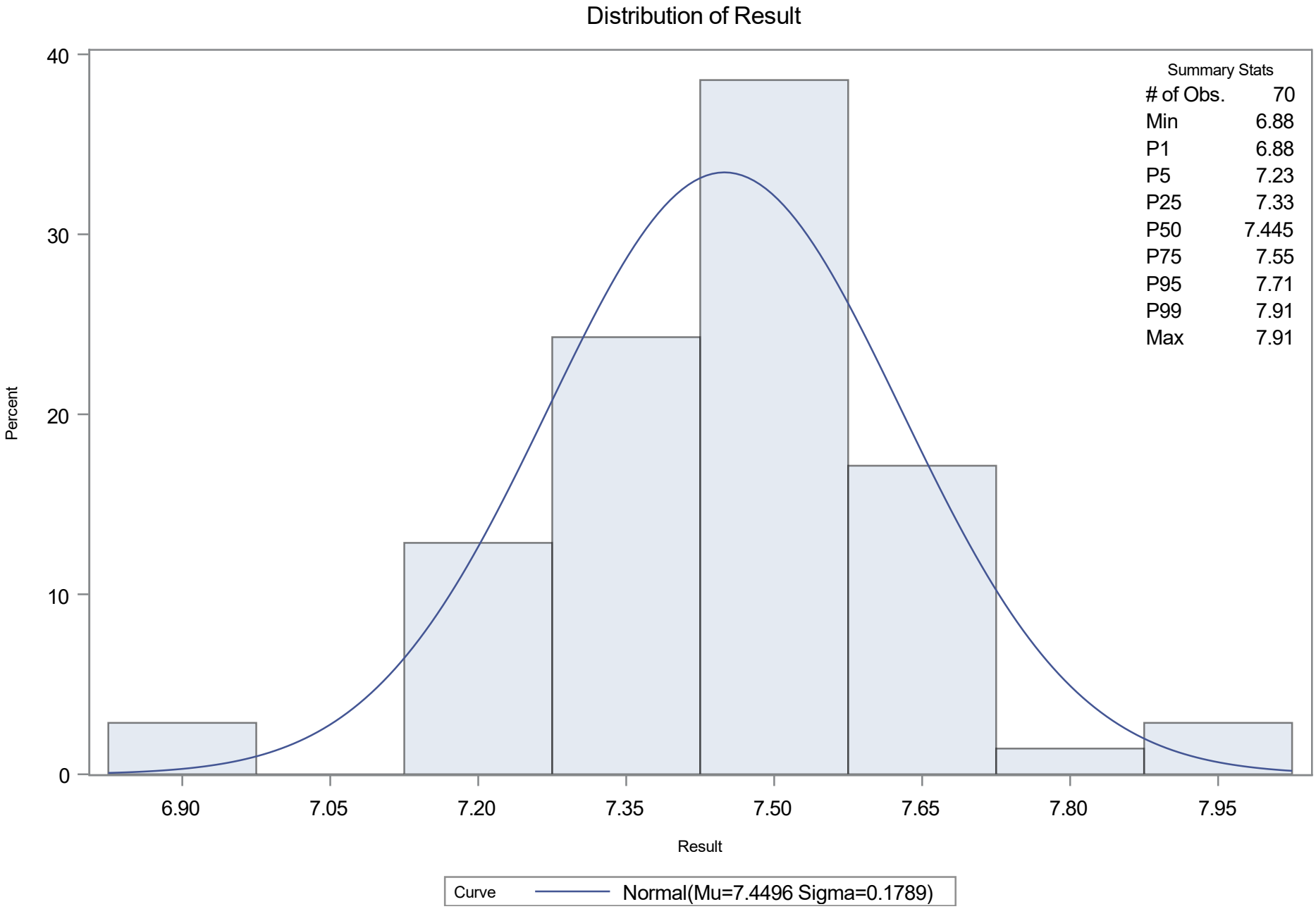

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.449571
Std Dev	Sigma	0.178946

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08133452	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07696058	**Pr > W-Sq**	0.229
Anderson-Darling	**A-Sq**	0.67942228	**Pr > A-Sq**	0.077

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.88000	7.03328
5.0	7.23000	7.15523
10.0	7.26000	7.22024
25.0	7.33000	7.32887
50.0	7.44500	7.44957
75.0	7.55000	7.57027
90.0	7.65500	7.67890
95.0	7.71000	7.74391
99.0	7.91000	7.86586

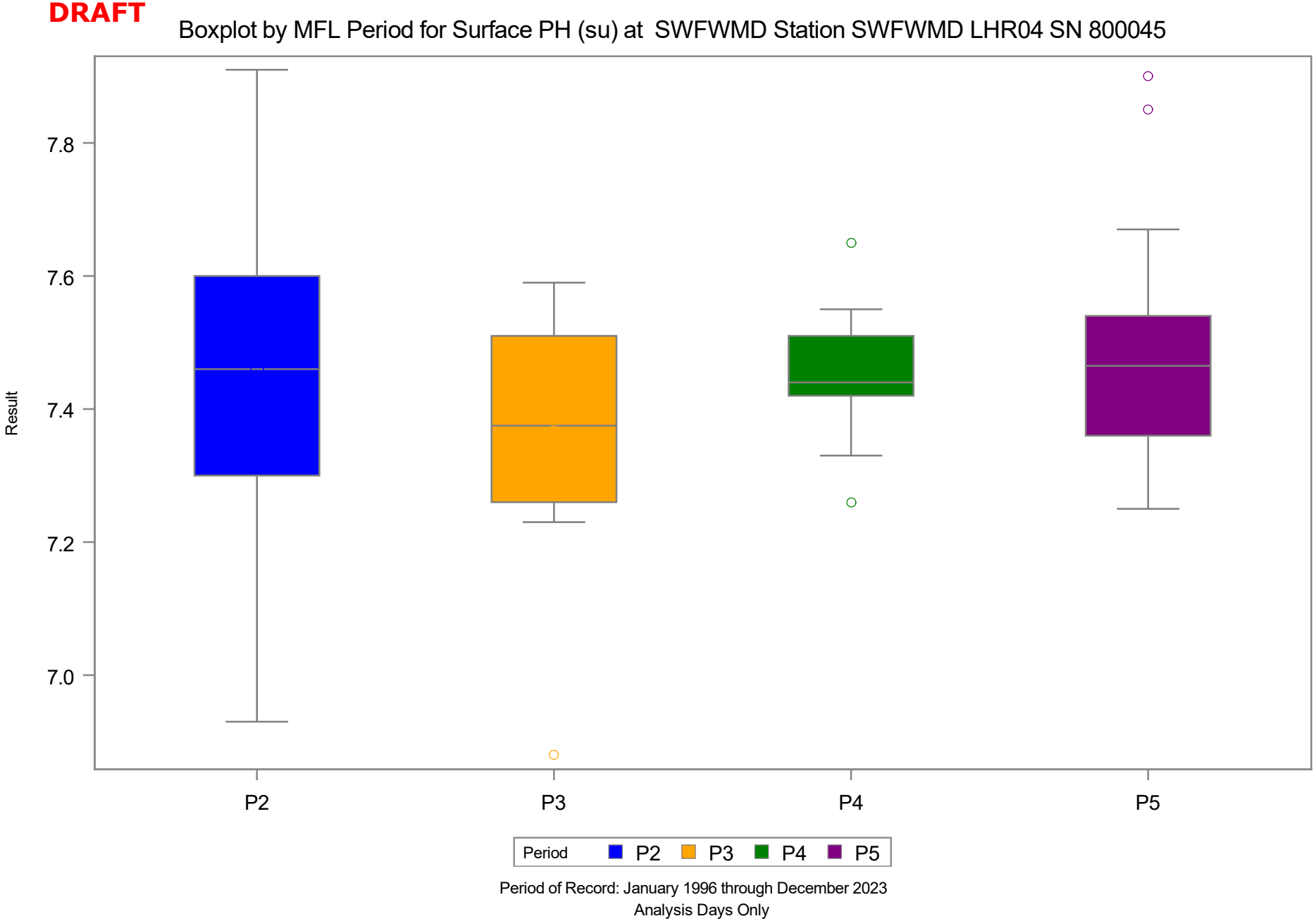
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045**

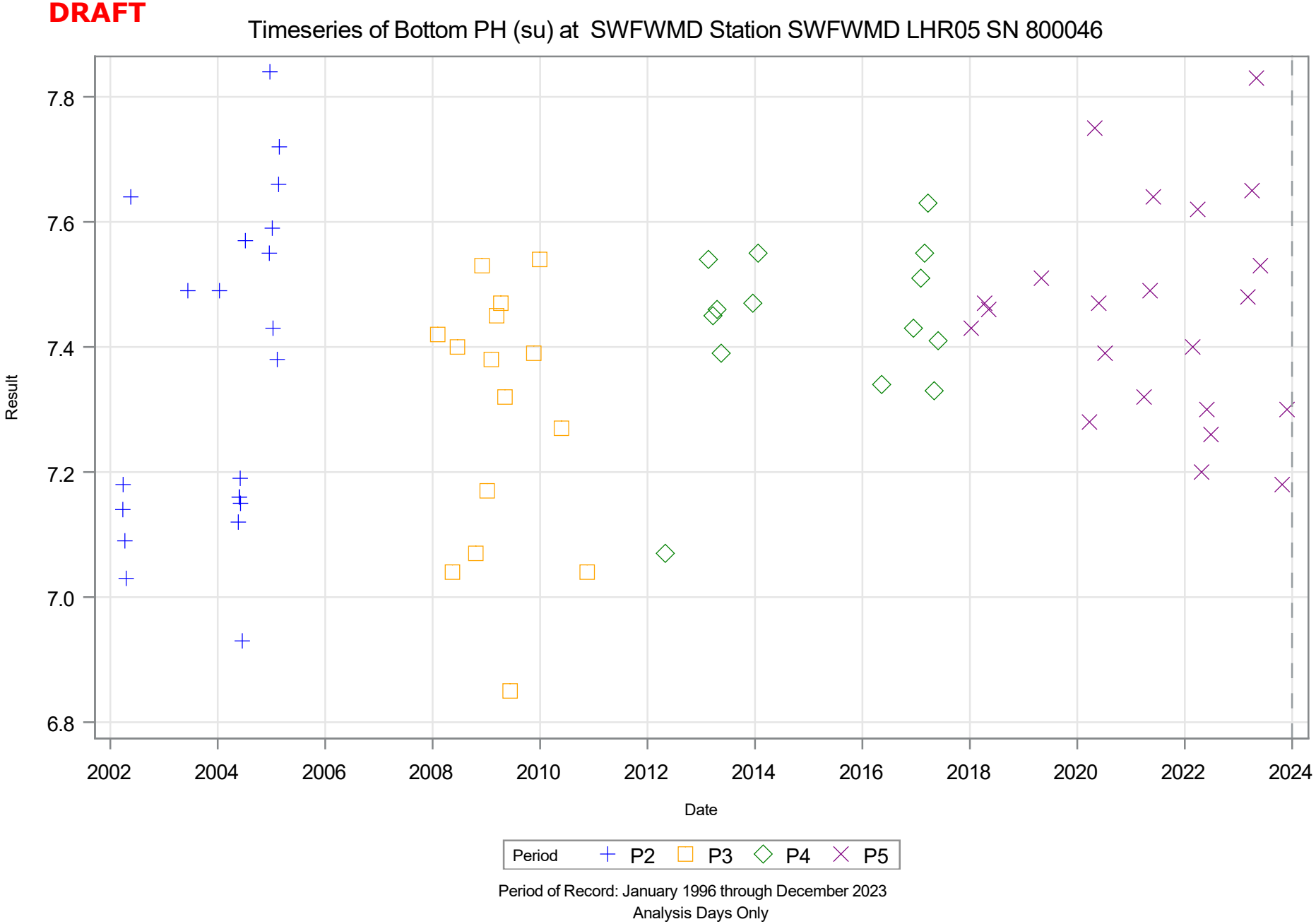
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.93	7.30	7.46	7.46	7.60	7.91
P3	14	6.88	7.26	7.37	7.38	7.51	7.59
P4	13	7.26	7.42	7.46	7.44	7.51	7.65
P5	22	7.25	7.36	7.49	7.47	7.54	7.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

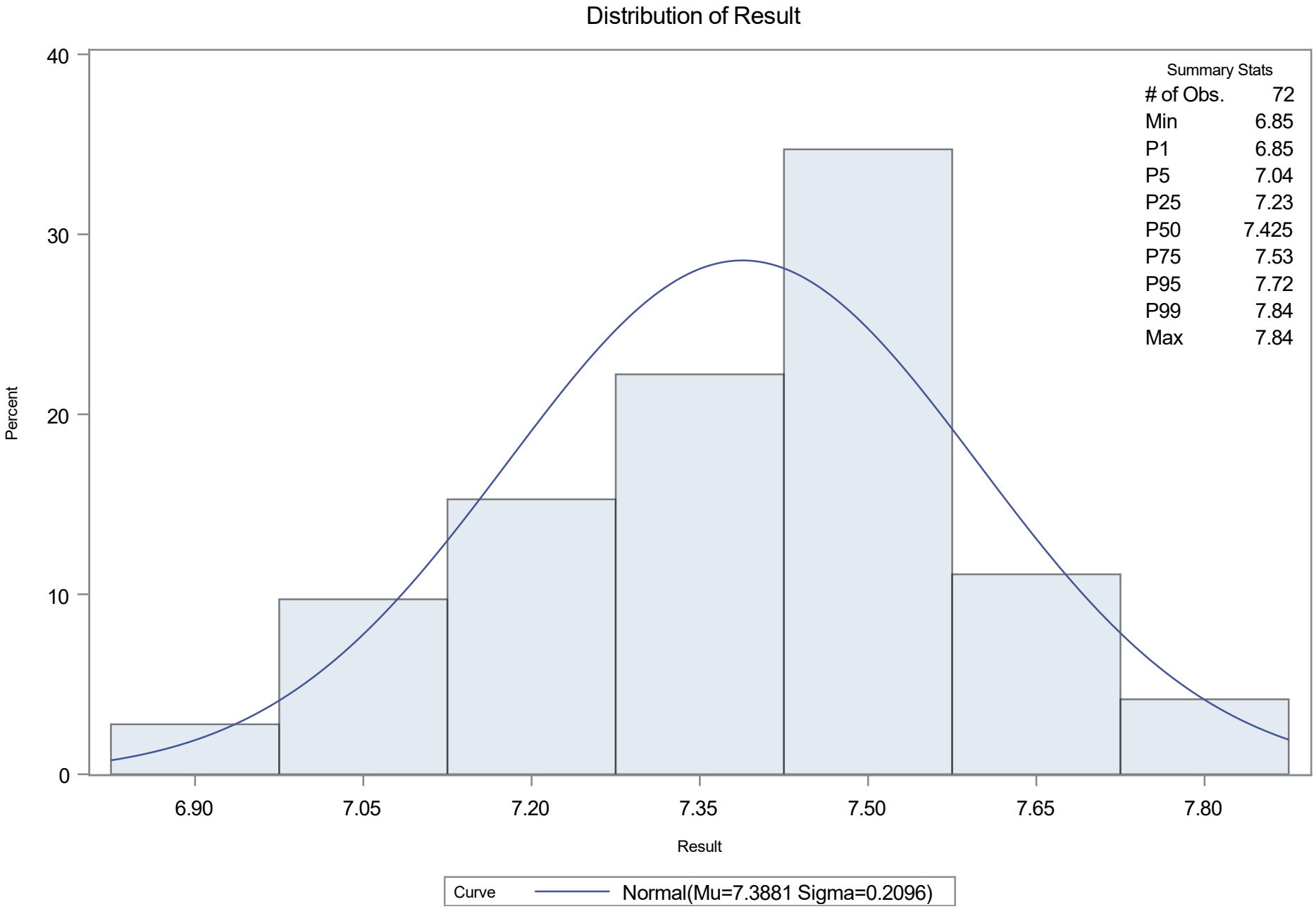

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.388056
Std Dev	Sigma	0.209605

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10967158	**Pr > D**	0.031
Cramer-von Mises	**W-Sq**	0.11881584	**Pr > W-Sq**	0.064
Anderson-Darling	**A-Sq**	0.60699072	**Pr > A-Sq**	0.112

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.85000	6.90044
5.0	7.04000	7.04329
10.0	7.09000	7.11944
25.0	7.23000	7.24668
50.0	7.42500	7.38806
75.0	7.53000	7.52943
90.0	7.64000	7.65667
95.0	7.72000	7.73282
99.0	7.84000	7.87567

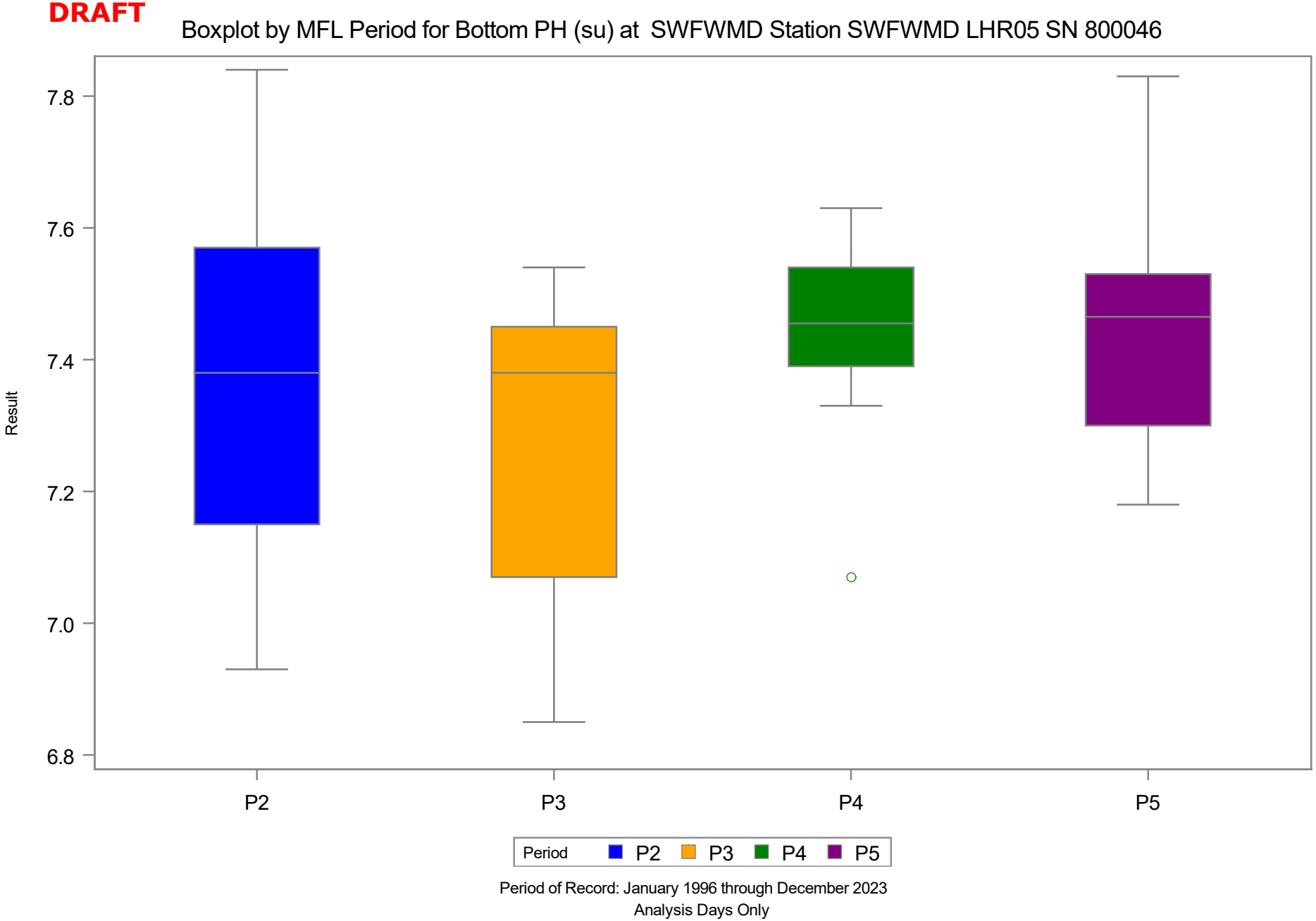
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046**

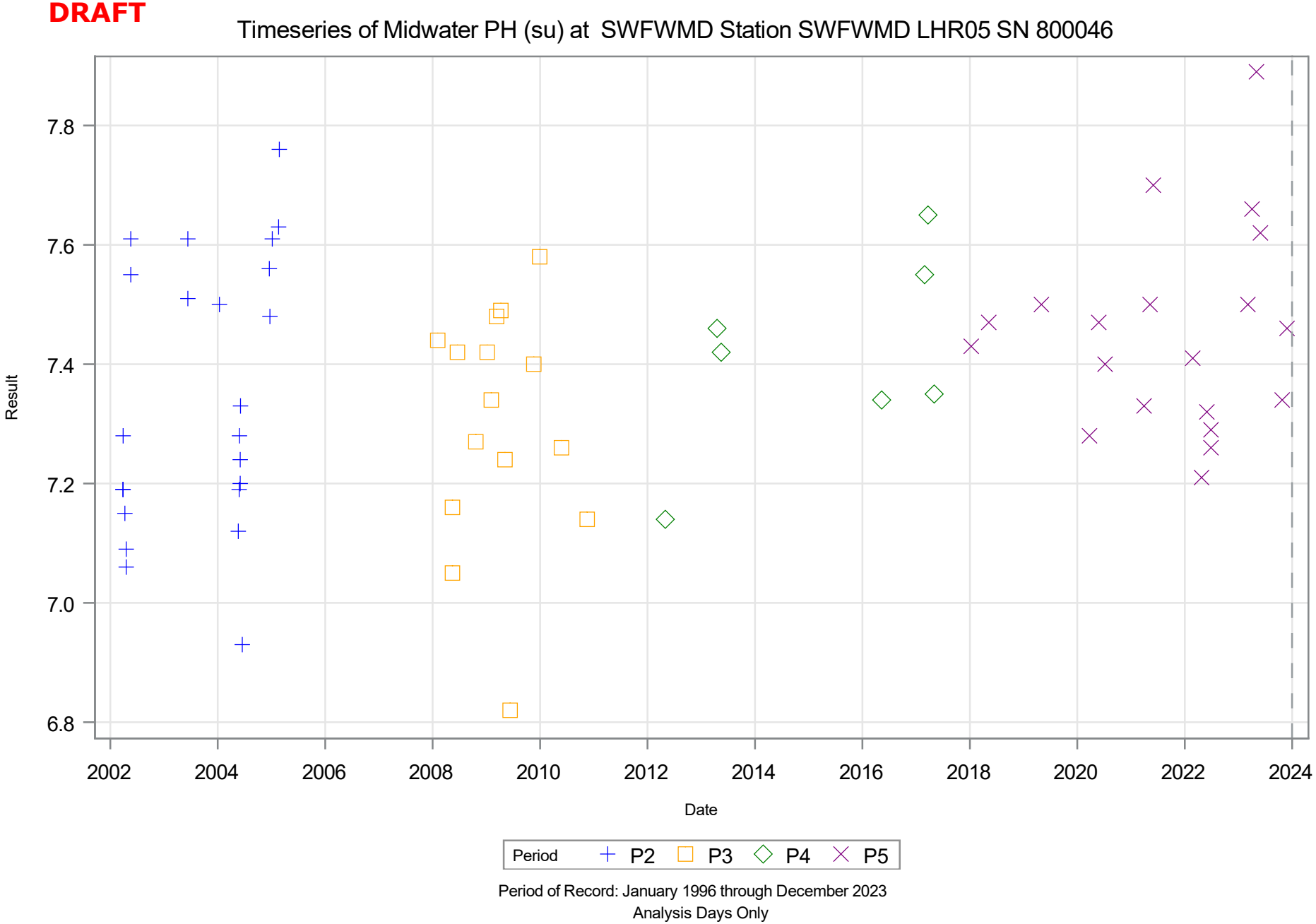
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.93	7.15	7.36	7.38	7.57	7.84
P3	15	6.85	7.07	7.29	7.38	7.45	7.54
P4	14	7.07	7.39	7.44	7.46	7.54	7.63
P5	22	7.18	7.30	7.45	7.47	7.53	7.83

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

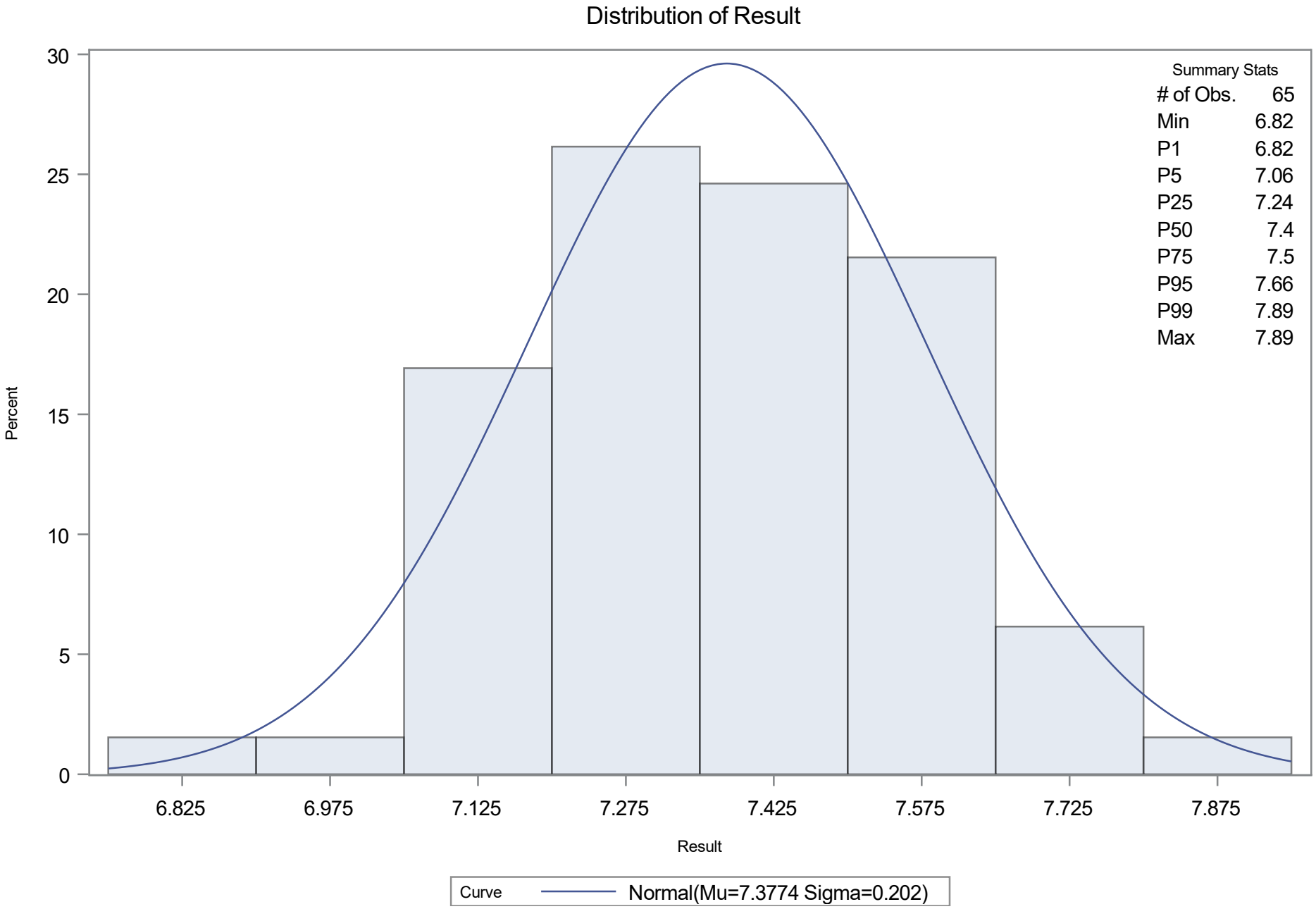

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.377385
Std Dev	Sigma	0.202046

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06763812	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03409493	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20579743	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.82000	6.90735
5.0	7.06000	7.04505
10.0	7.14000	7.11845
25.0	7.24000	7.24111
50.0	7.40000	7.37738
75.0	7.50000	7.51366
90.0	7.62000	7.63632
95.0	7.66000	7.70972
99.0	7.89000	7.84741

Period of Record: January 1996 through December 2023
Analysis Days Only

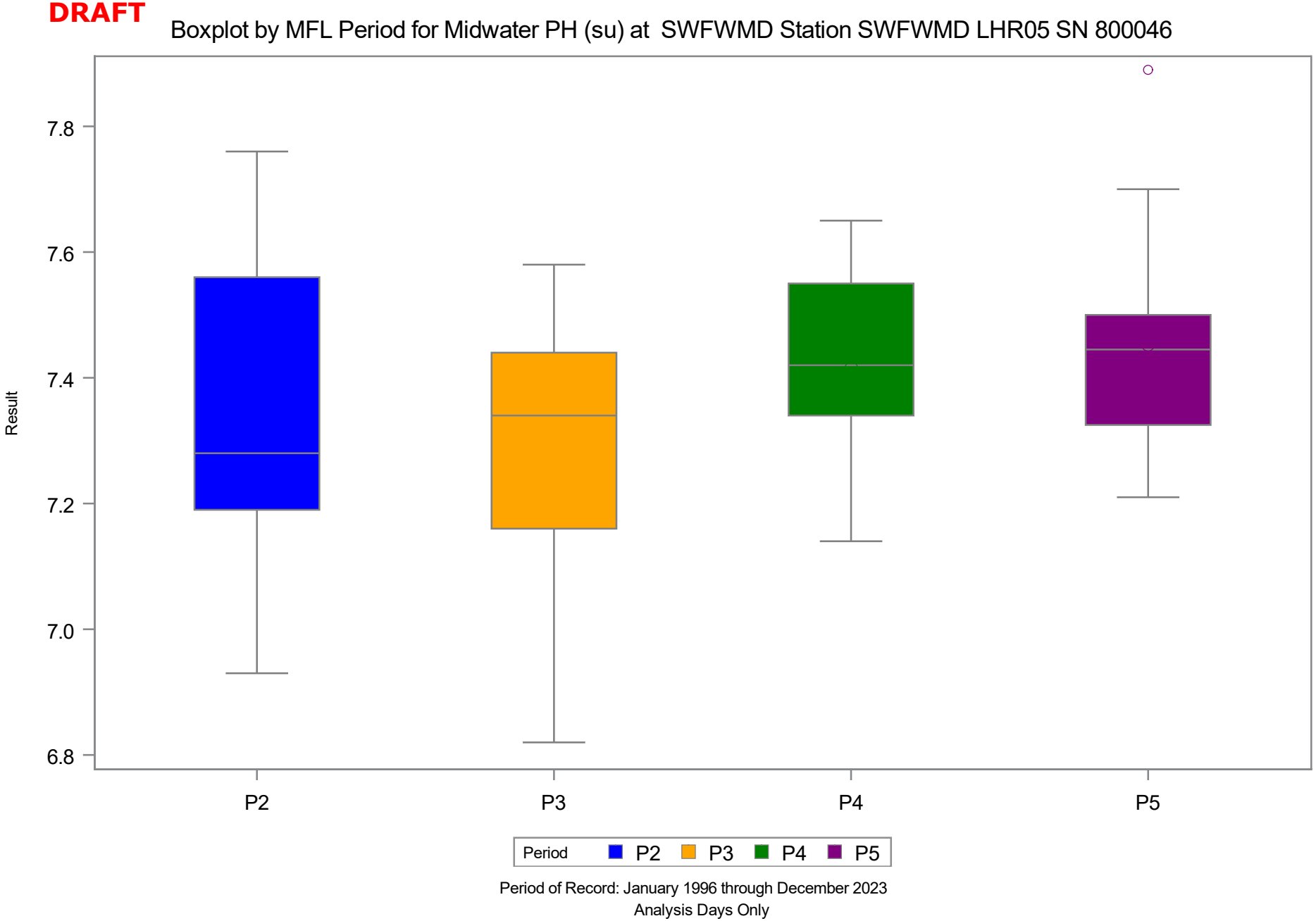
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046

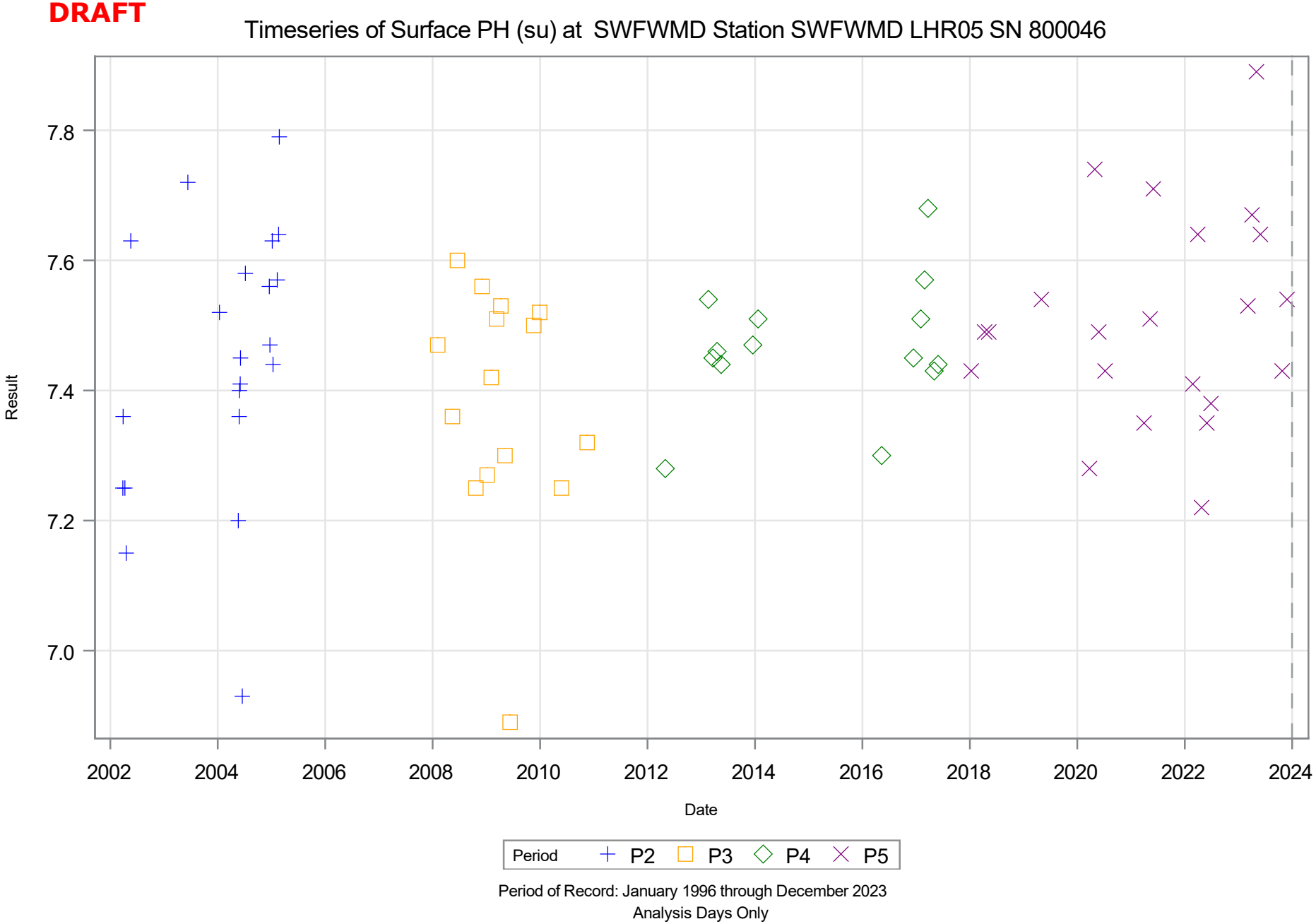
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	23	6.93	7.19	7.35	7.28	7.56	7.76
P3	15	6.82	7.16	7.30	7.34	7.44	7.58
P4	7	7.14	7.34	7.42	7.42	7.55	7.65
P5	20	7.21	7.33	7.45	7.45	7.50	7.89

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

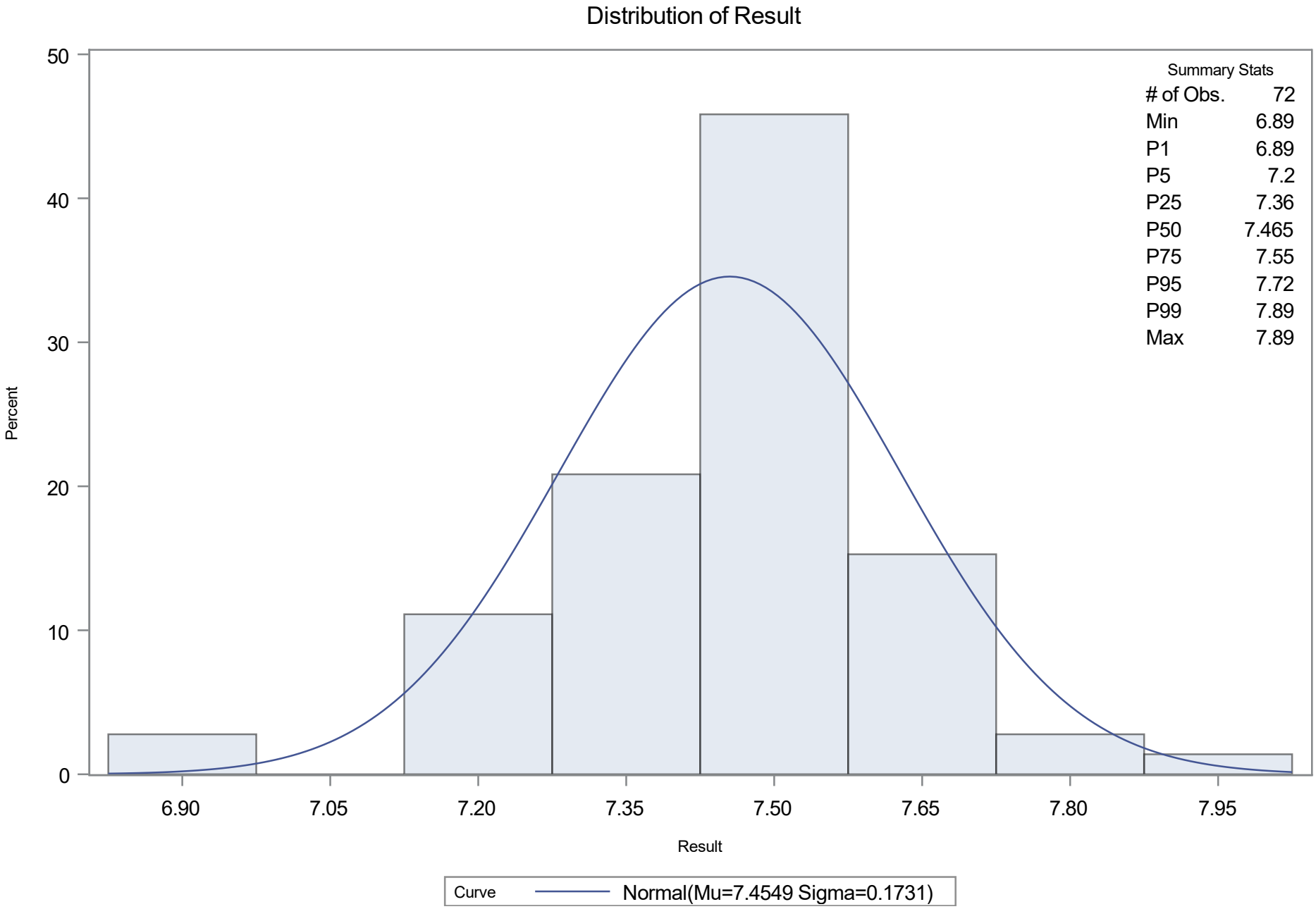

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.454861
Std Dev	Sigma	0.173124

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09568469	**Pr > D**	0.099
Cramer-von Mises	**W-Sq**	0.09422136	**Pr > W-Sq**	0.135
Anderson-Darling	**A-Sq**	0.58935294	**Pr > A-Sq**	0.125

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.89000	7.05212
5.0	7.20000	7.17010
10.0	7.25000	7.23299
25.0	7.36000	7.33809
50.0	7.46500	7.45486
75.0	7.55000	7.57163
90.0	7.64000	7.67673
95.0	7.72000	7.73962
99.0	7.89000	7.85761

Period of Record: January 1996 through December 2023
Analysis Days Only

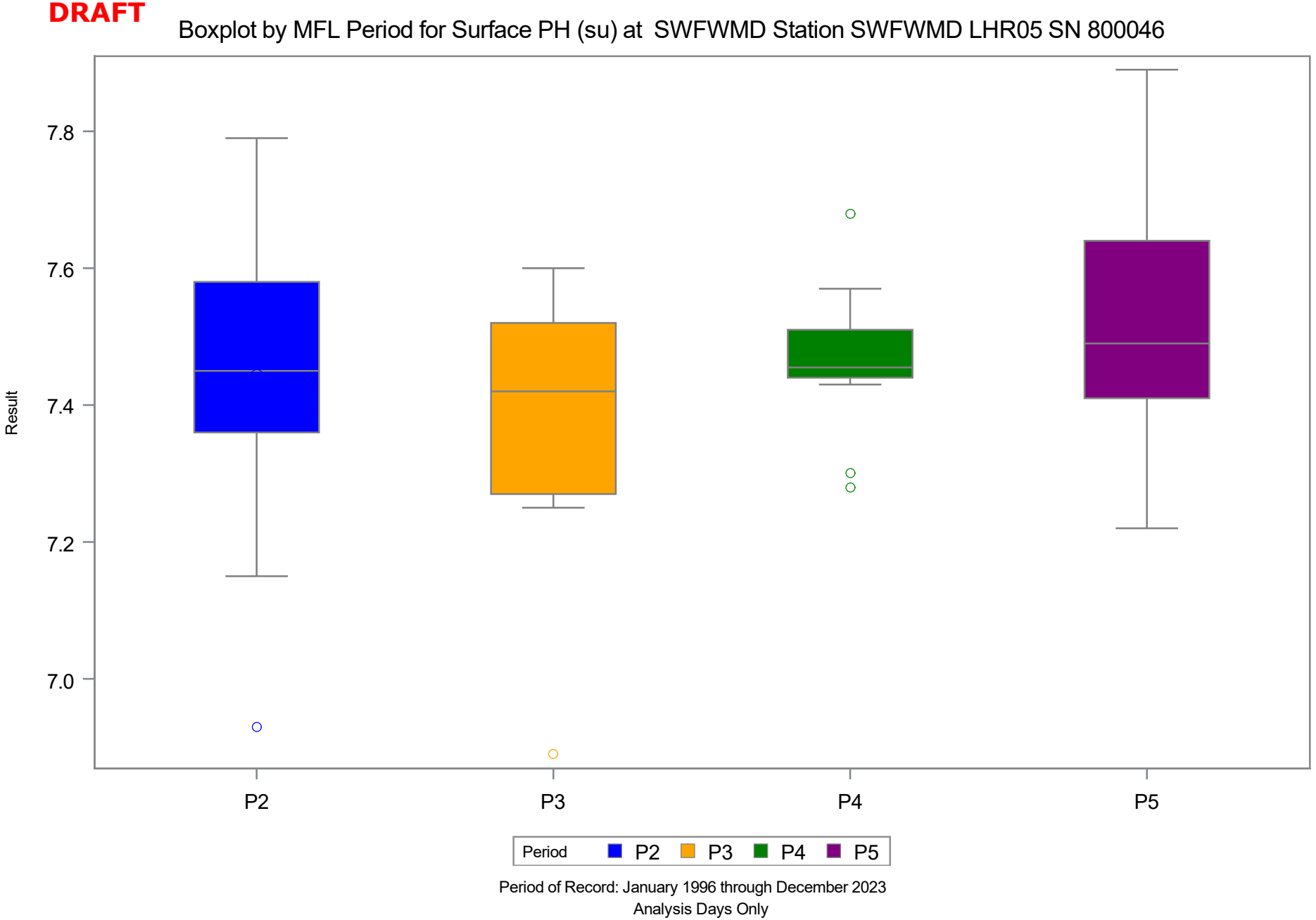
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046

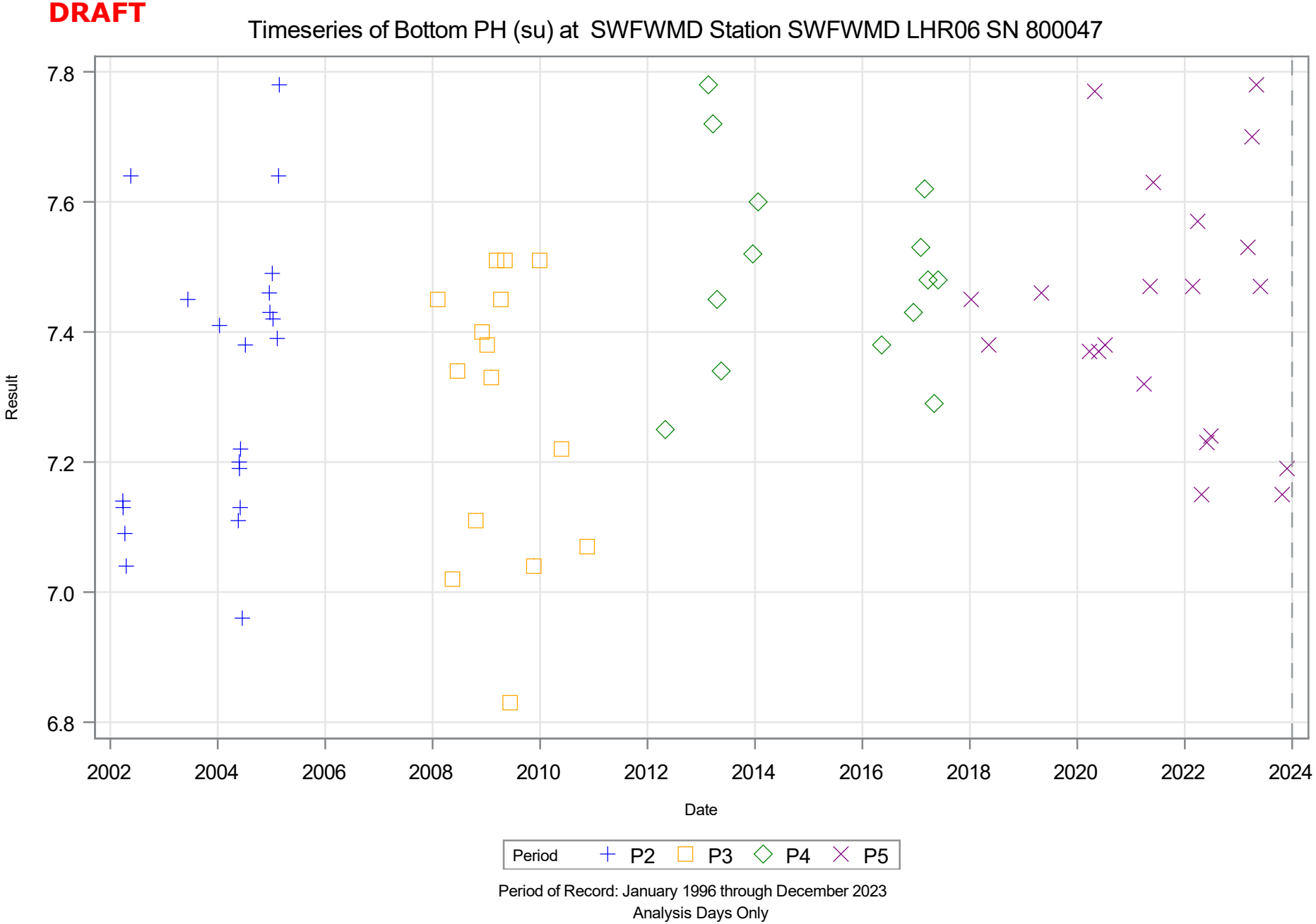
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.93	7.36	7.44	7.45	7.58	7.79
P3	15	6.89	7.27	7.38	7.42	7.52	7.60
P4	14	7.28	7.44	7.47	7.46	7.51	7.68
P5	22	7.22	7.41	7.51	7.49	7.64	7.89

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

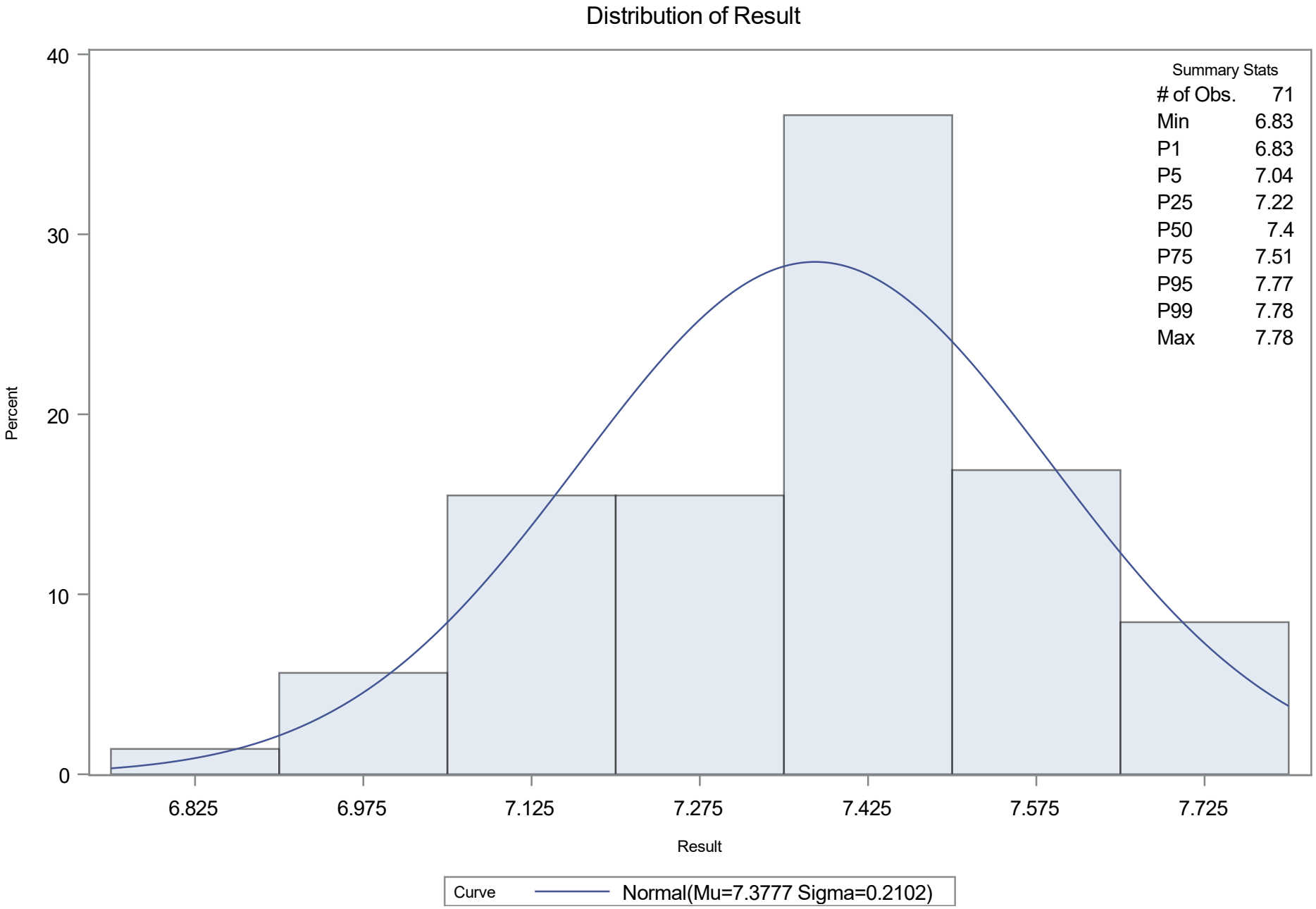

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.377746
Std Dev	Sigma	0.210205

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10501983	**Pr > D**	0.050
Cramer-von Mises	**W-Sq**	0.10697352	**Pr > W-Sq**	0.092
Anderson-Darling	**A-Sq**	0.55078429	**Pr > A-Sq**	0.155

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.83000	6.88874
5.0	7.04000	7.03199
10.0	7.11000	7.10836
25.0	7.22000	7.23597
50.0	7.40000	7.37775
75.0	7.51000	7.51953
90.0	7.64000	7.64714
95.0	7.77000	7.72350
99.0	7.78000	7.86676

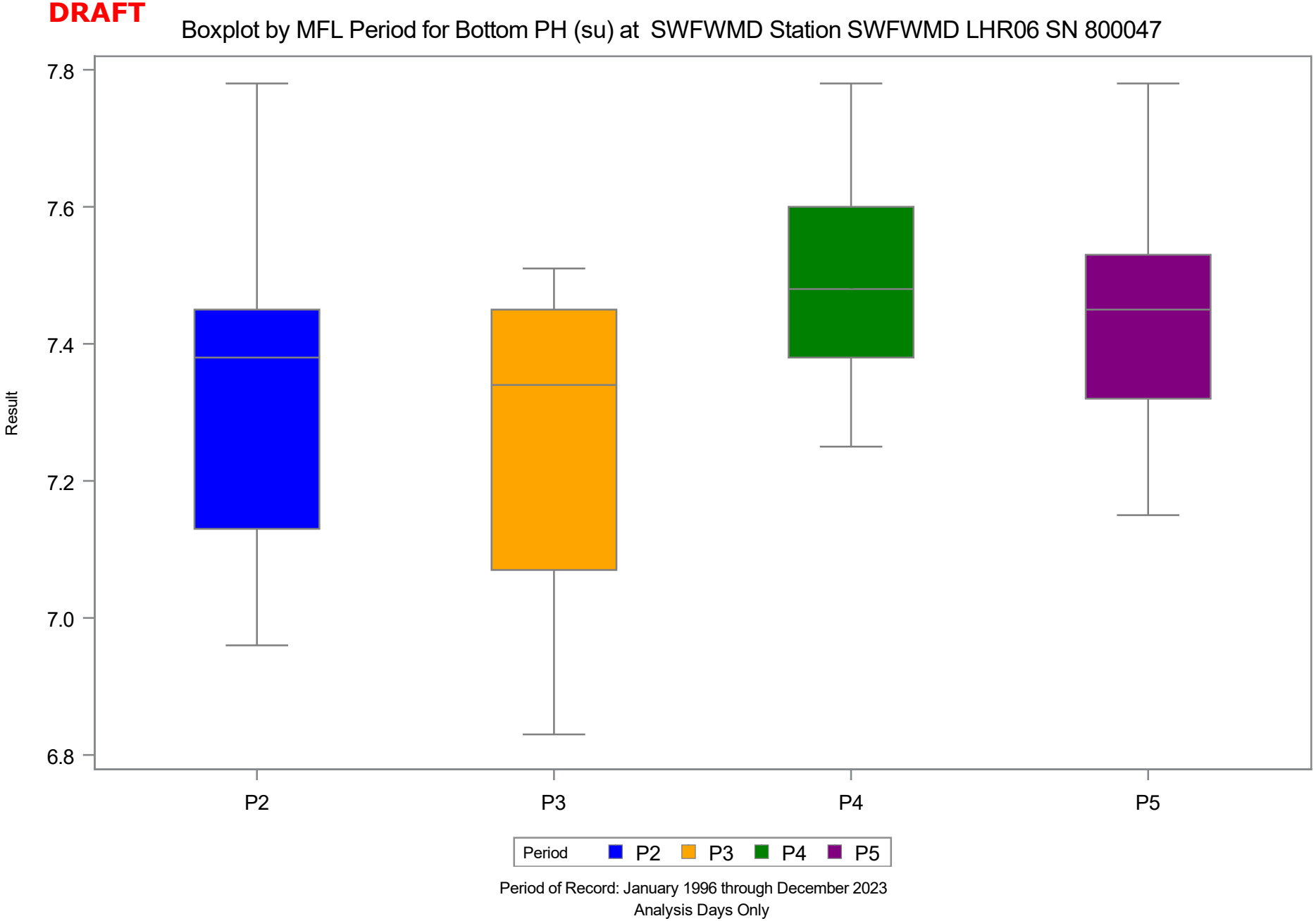
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047**

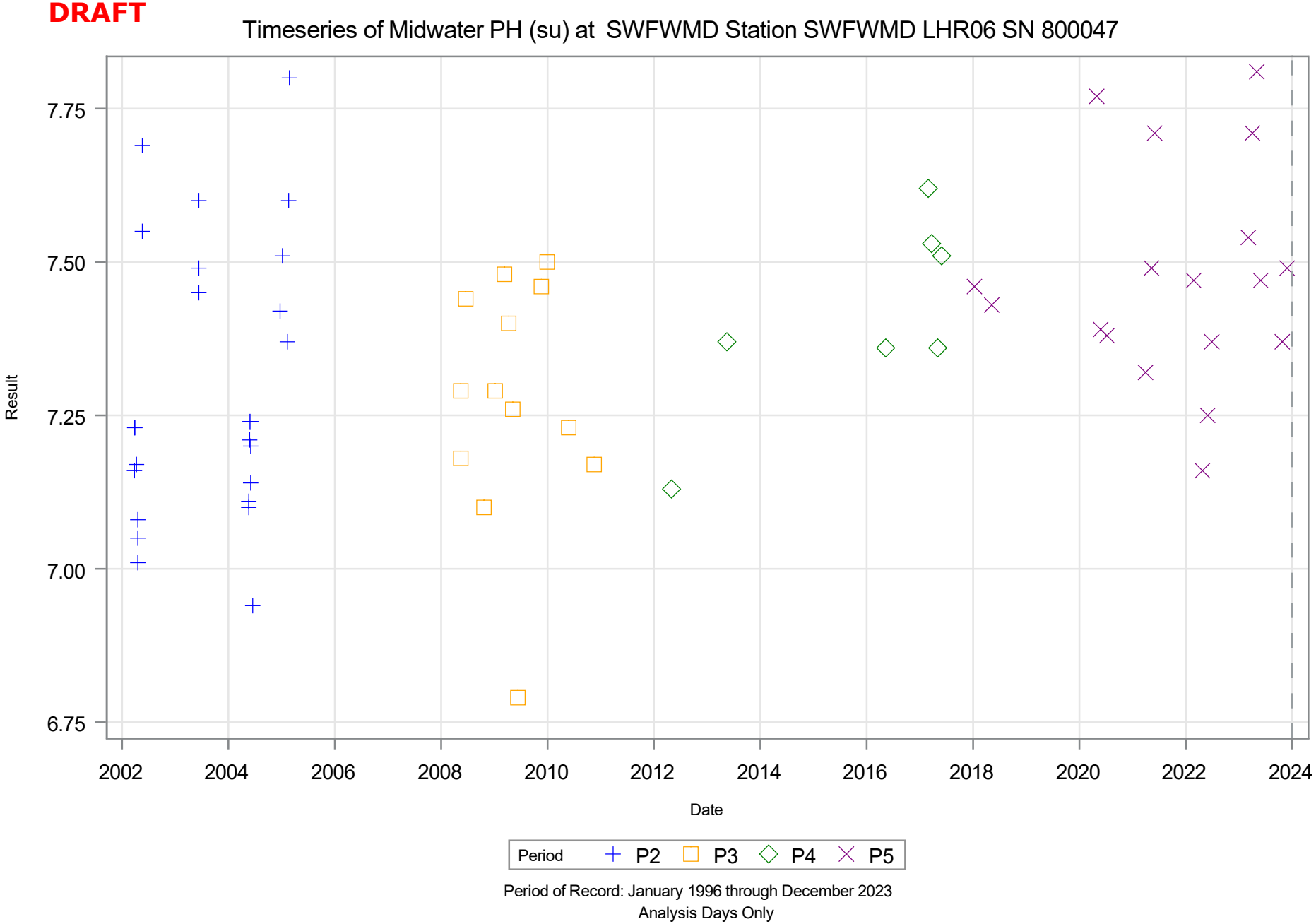
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.96	7.13	7.32	7.38	7.45	7.78
P3	15	6.83	7.07	7.28	7.34	7.45	7.51
P4	14	7.25	7.38	7.49	7.48	7.60	7.78
P5	21	7.15	7.32	7.43	7.45	7.53	7.78

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

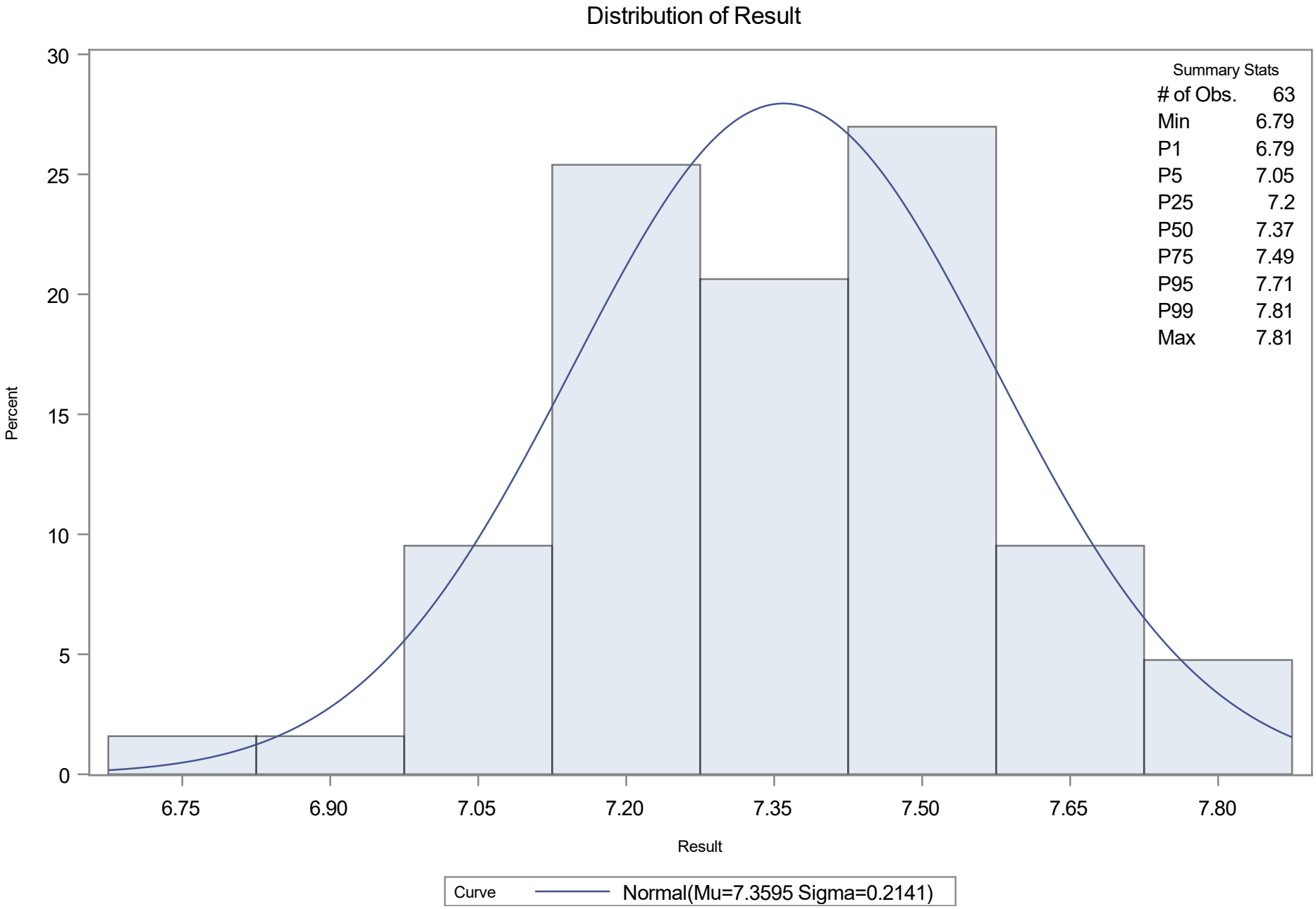
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.359524
Std Dev	Sigma	0.21408

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07231596	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04566605	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27182563	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.79000	6.86150
5.0	7.05000	7.00739
10.0	7.10000	7.08517
25.0	7.20000	7.21513
50.0	7.37000	7.35952
75.0	7.49000	7.50392
90.0	7.62000	7.63388
95.0	7.71000	7.71165
99.0	7.81000	7.85755

Period of Record: January 1996 through December 2023
Analysis Days Only

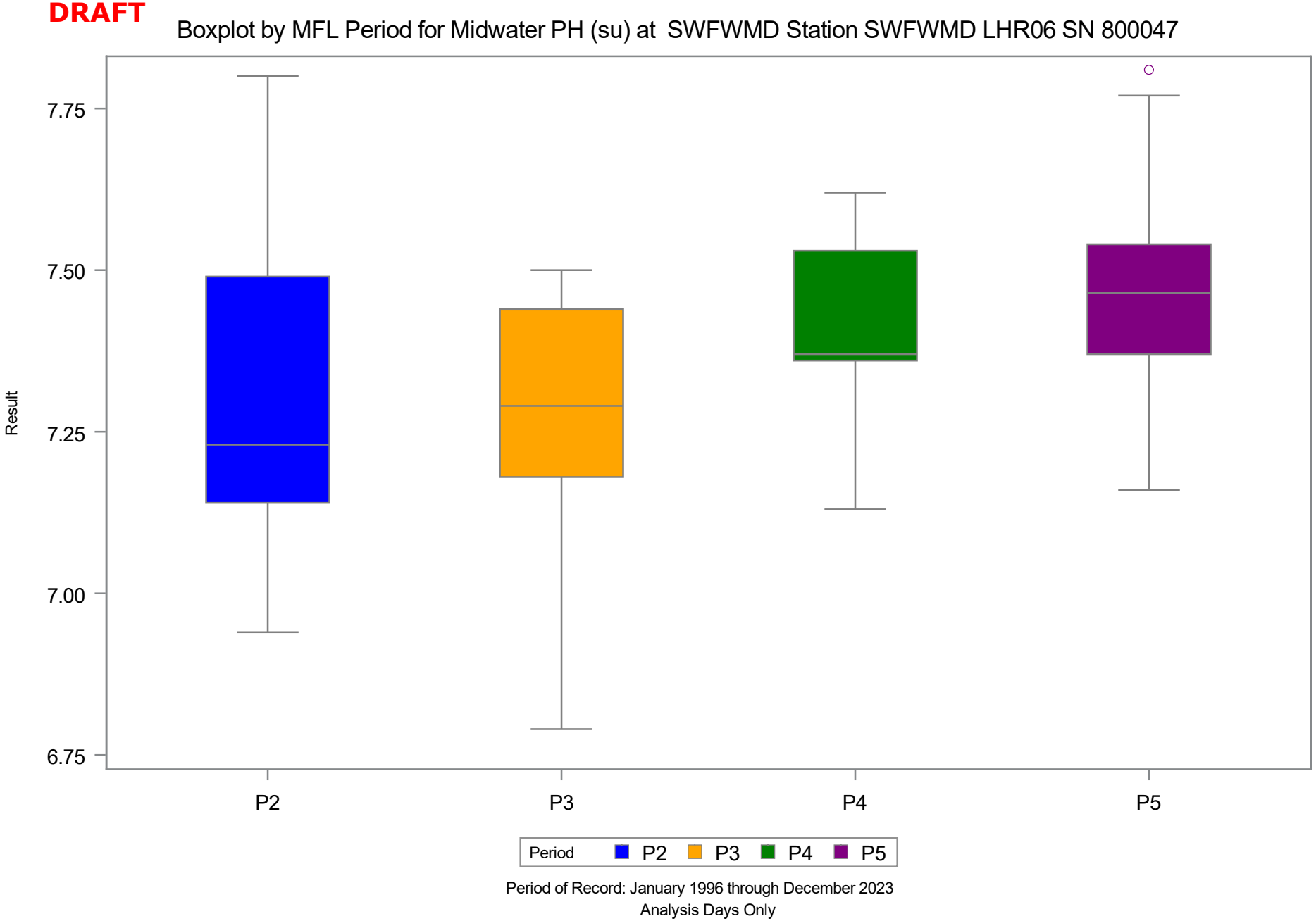
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047

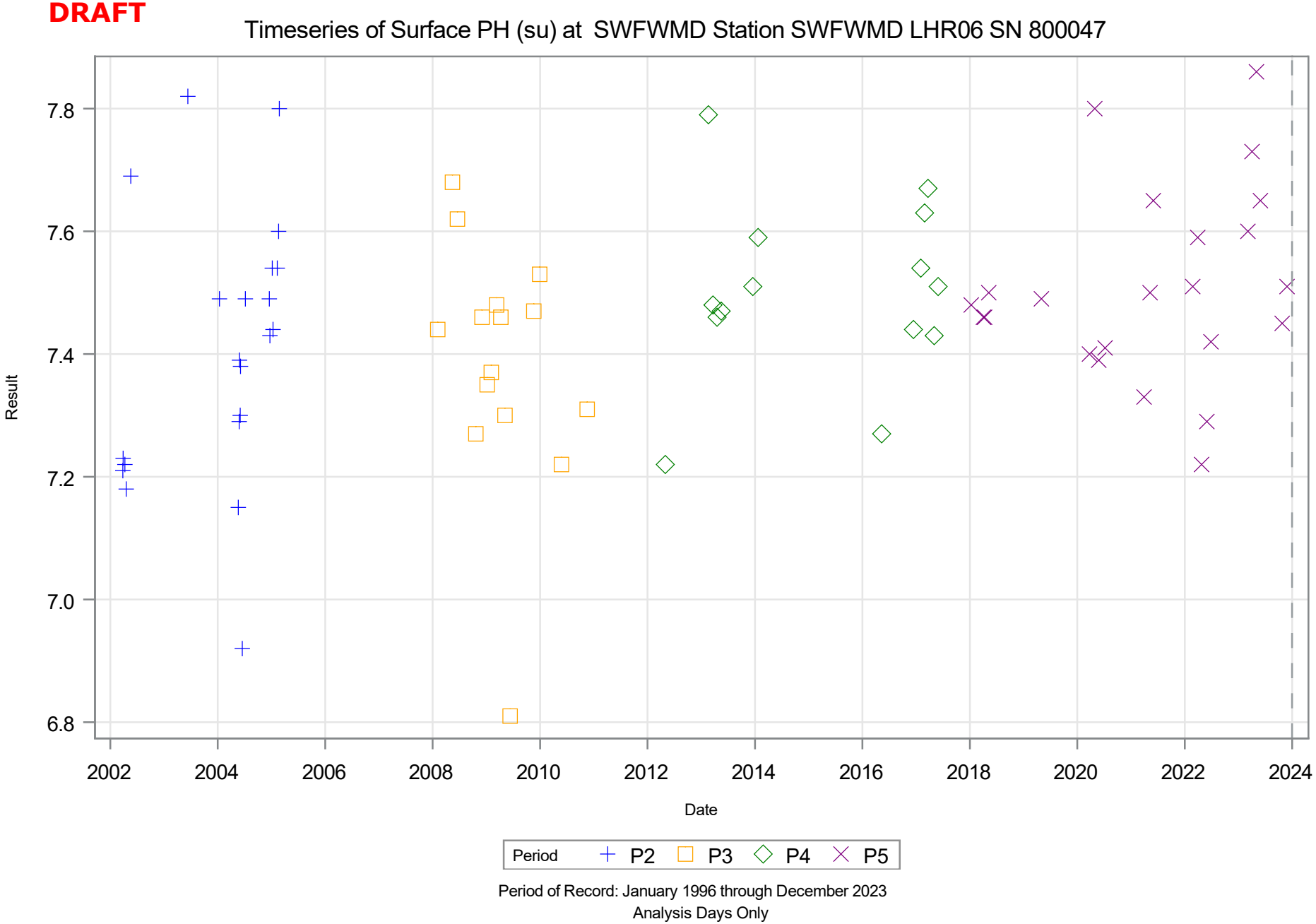
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	6.94	7.14	7.30	7.23	7.49	7.80
P3	13	6.79	7.18	7.28	7.29	7.44	7.50
P4	7	7.13	7.36	7.41	7.37	7.53	7.62
P5	18	7.16	7.37	7.48	7.47	7.54	7.81

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

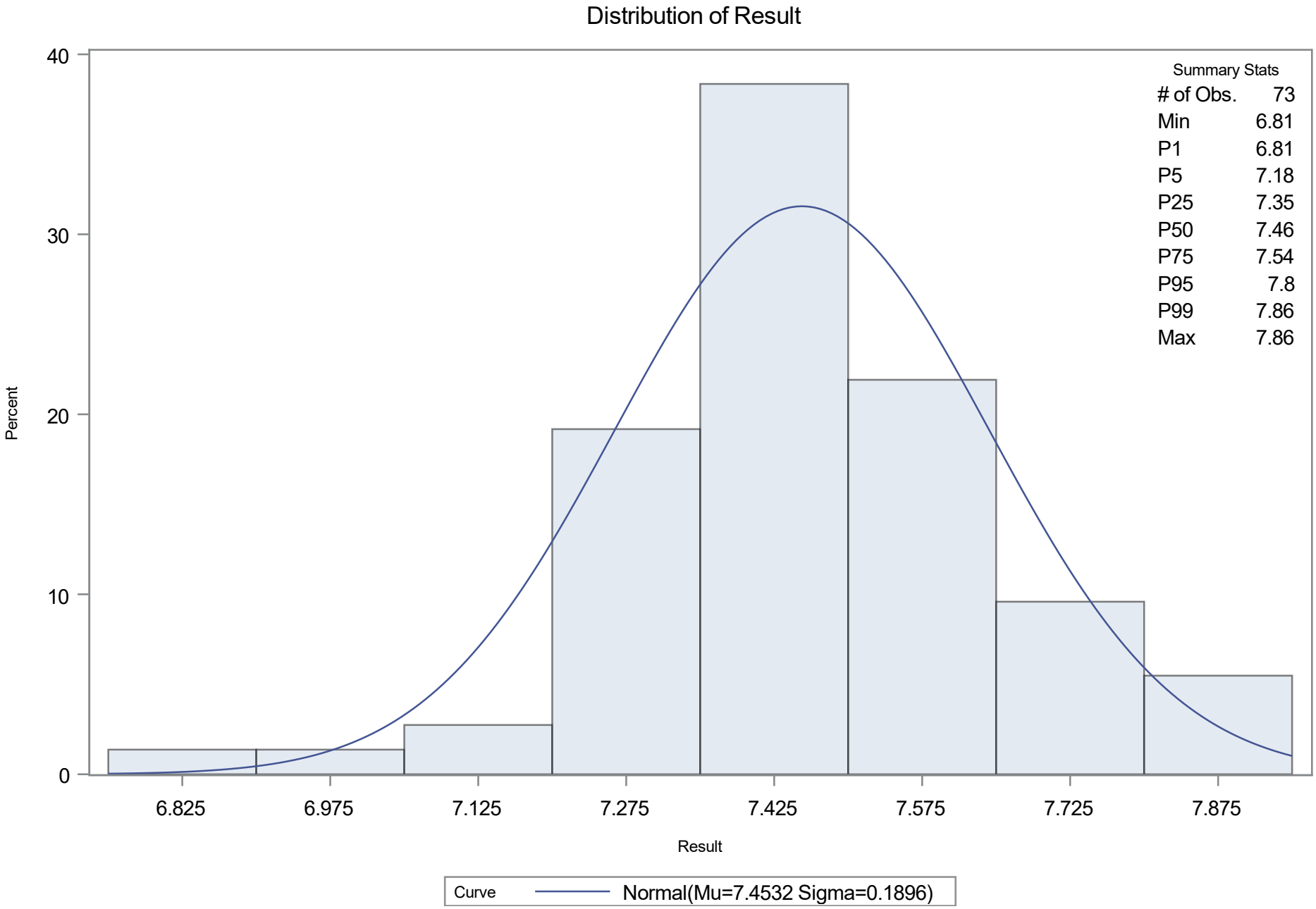

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
7.75
7.50
7.25
7.00
6.75
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.453151
Std Dev	Sigma	0.189619

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09524917	**Pr > D**	0.098
Cramer-von Mises	**W-Sq**	0.13778235	**Pr > W-Sq**	0.036
Anderson-Darling	**A-Sq**	0.76018102	**Pr > A-Sq**	0.047

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.81000	7.01203
5.0	7.18000	7.14126
10.0	7.22000	7.21014
25.0	7.35000	7.32525
50.0	7.46000	7.45315
75.0	7.54000	7.58105
90.0	7.68000	7.69616
95.0	7.80000	7.76505
99.0	7.86000	7.89427

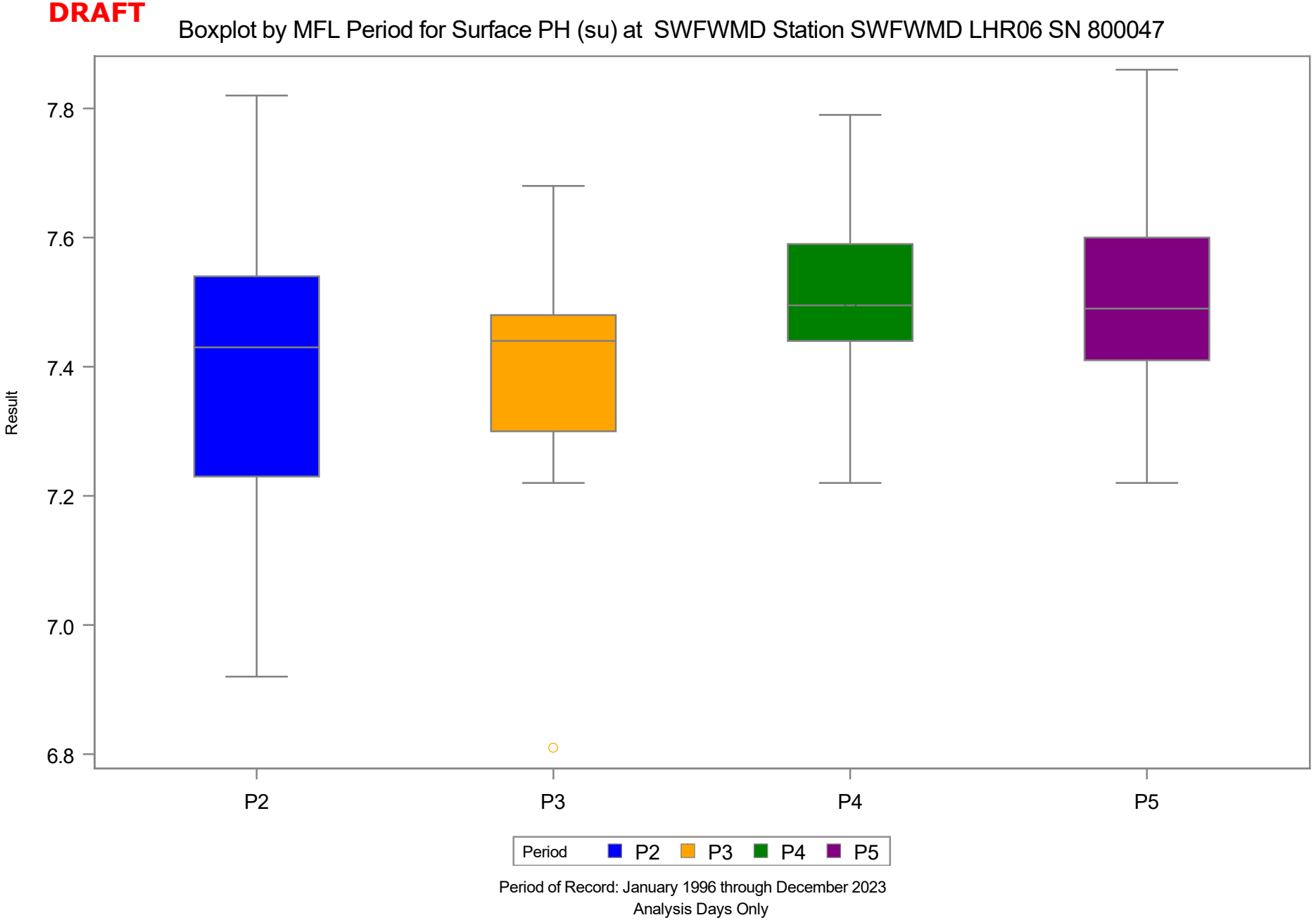
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047**

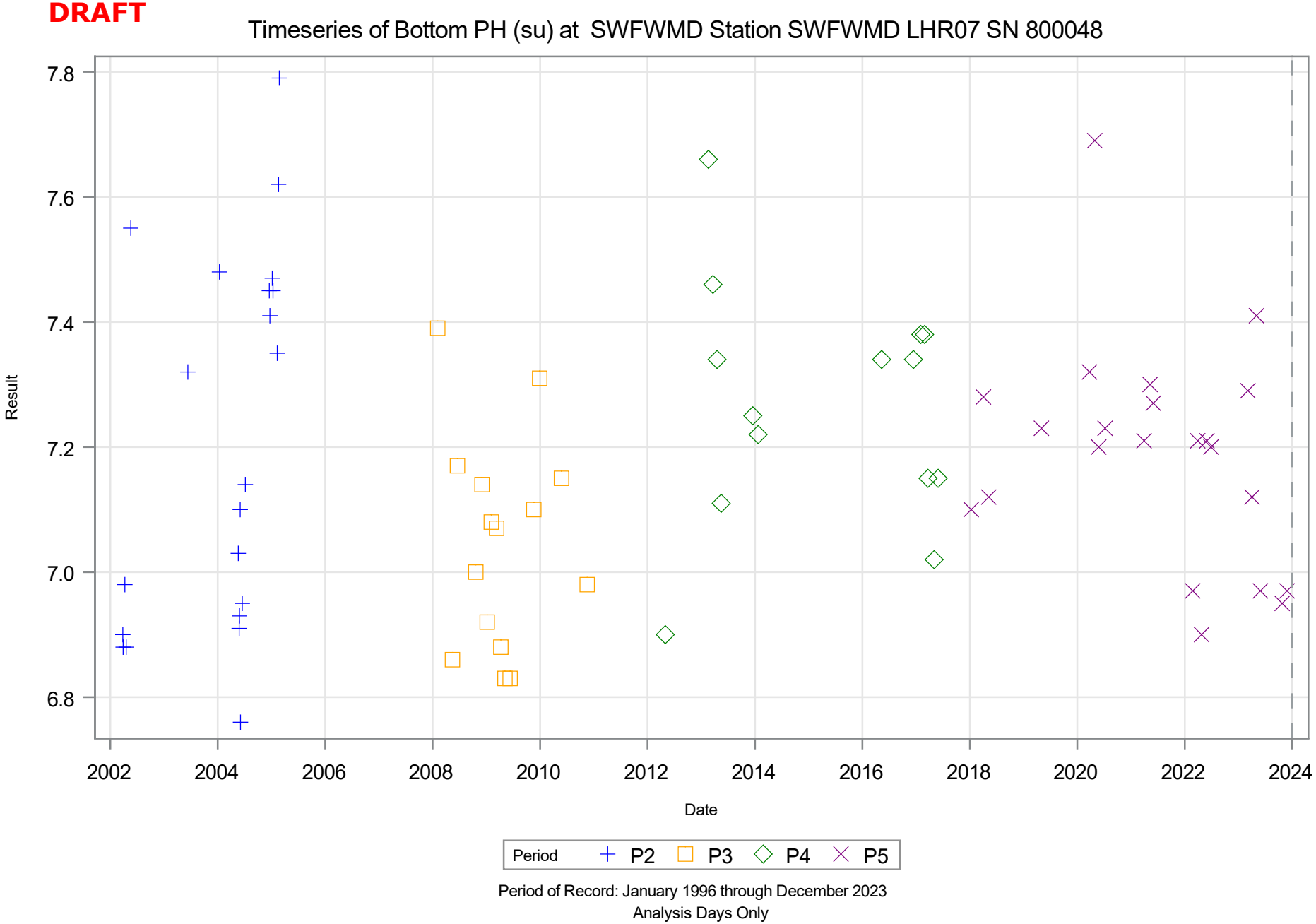
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.92	7.23	7.41	7.43	7.54	7.82
P3	15	6.81	7.30	7.38	7.44	7.48	7.68
P4	14	7.22	7.44	7.50	7.50	7.59	7.79
P5	23	7.22	7.41	7.51	7.49	7.60	7.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

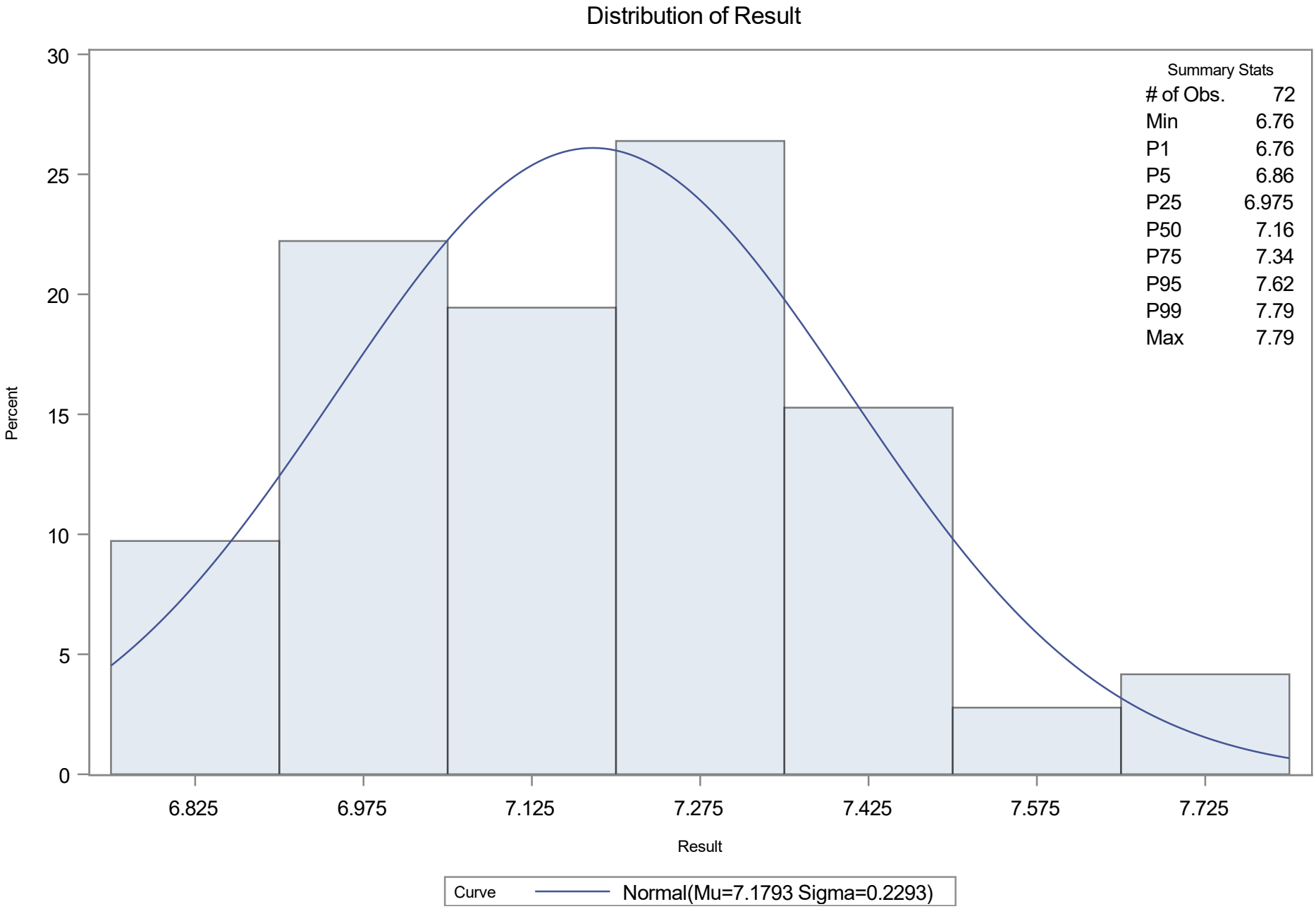

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.179306
Std Dev	Sigma	0.229287

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08541949	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05317845	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.43876858	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.76000	6.64590
5.0	6.86000	6.80216
10.0	6.90000	6.88546
25.0	6.97500	7.02465
50.0	7.16000	7.17931
75.0	7.34000	7.33396
90.0	7.46000	7.47315
95.0	7.62000	7.55645
99.0	7.79000	7.71271

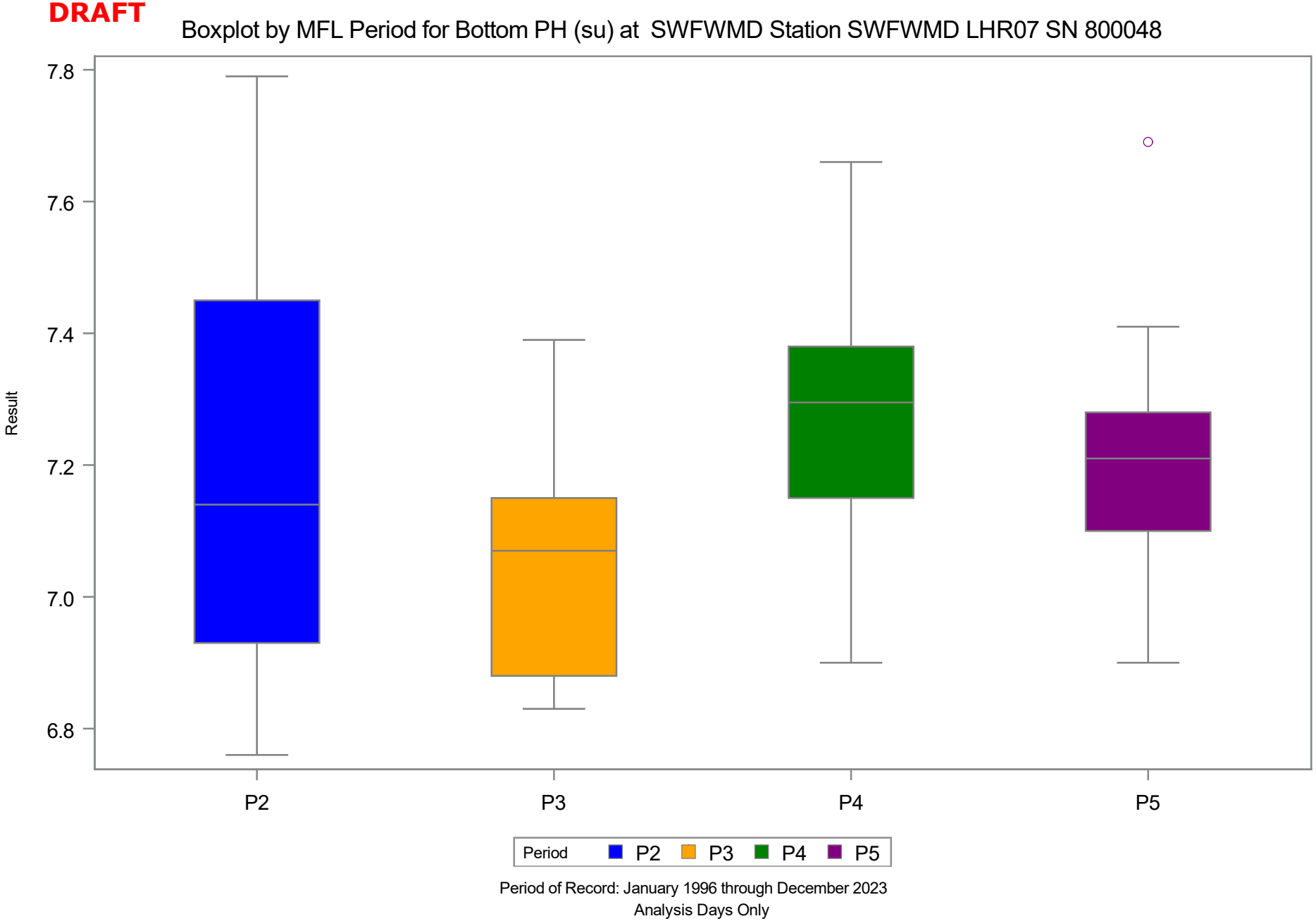
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048**

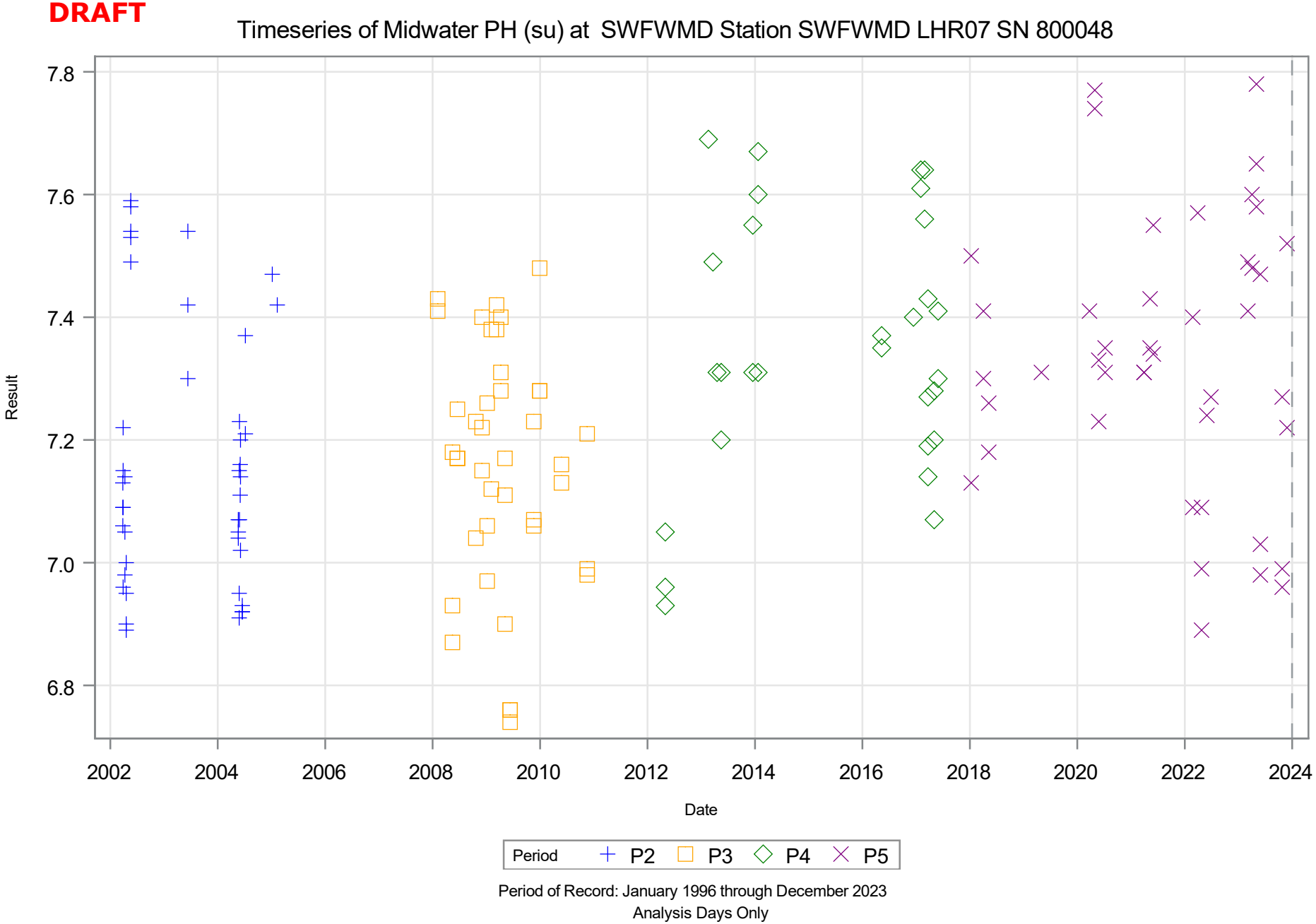
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.76	6.93	7.21	7.14	7.45	7.79
P3	15	6.83	6.88	7.05	7.07	7.15	7.39
P4	14	6.90	7.15	7.26	7.30	7.38	7.66
P5	22	6.90	7.10	7.19	7.21	7.28	7.69

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

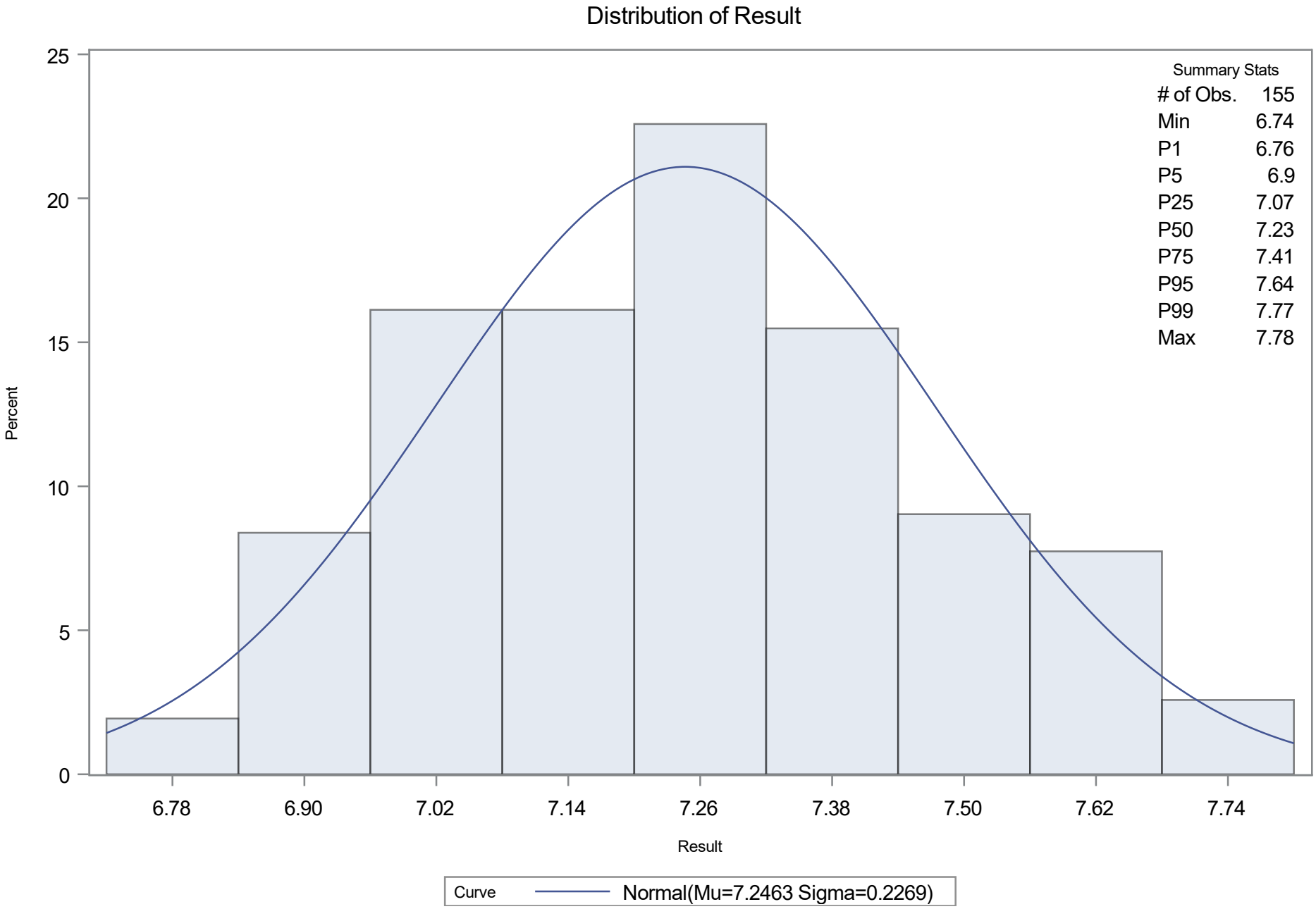

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.246323
Std Dev	Sigma	0.226939

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04592498	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05508178	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40368208	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.76000	6.71838
5.0	6.90000	6.87304
10.0	6.95000	6.95549
25.0	7.07000	7.09325
50.0	7.23000	7.24632
75.0	7.41000	7.39939
90.0	7.56000	7.53716
95.0	7.64000	7.61960
99.0	7.77000	7.77426

Period of Record: January 1996 through December 2023
Analysis Days Only

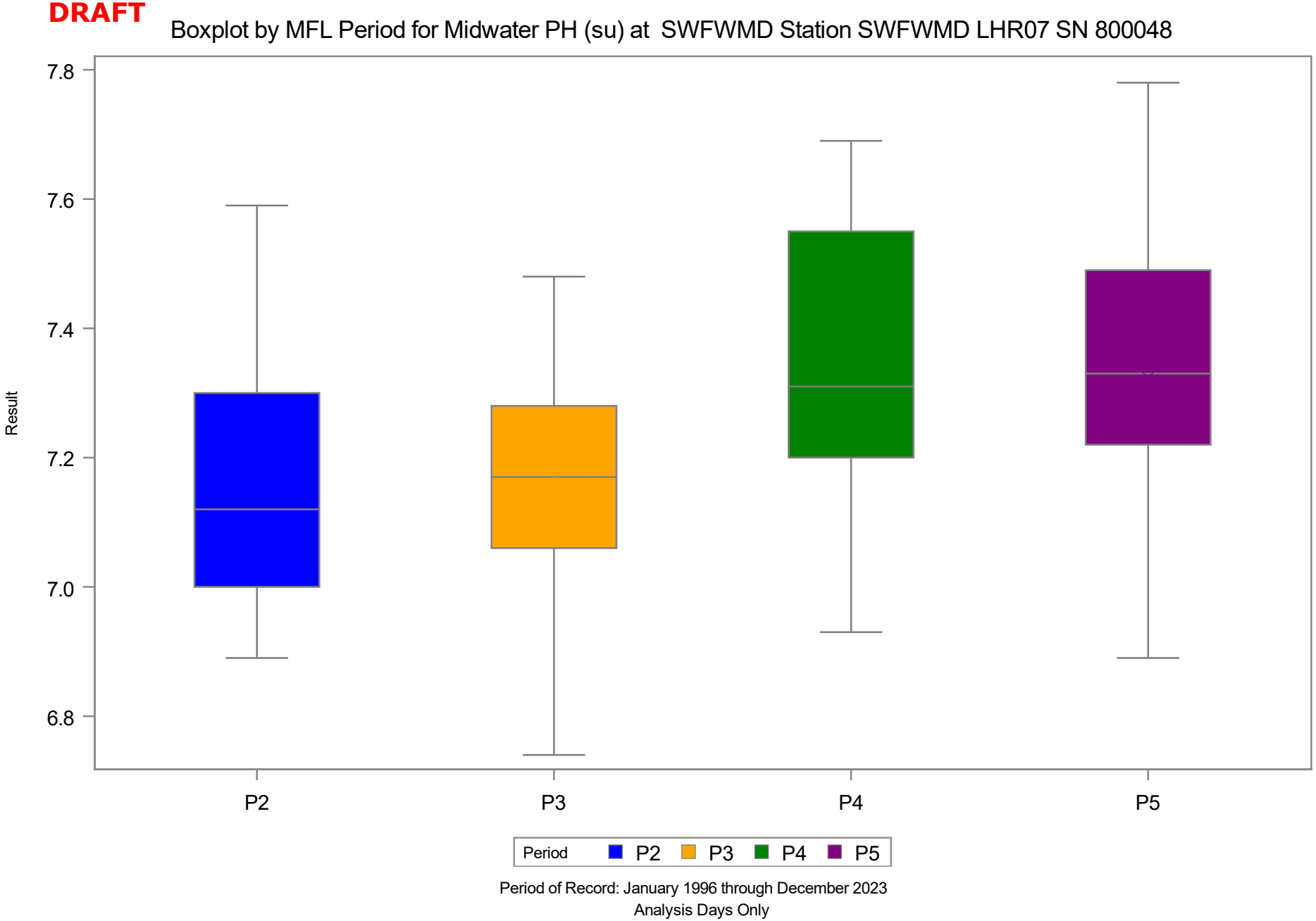
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048

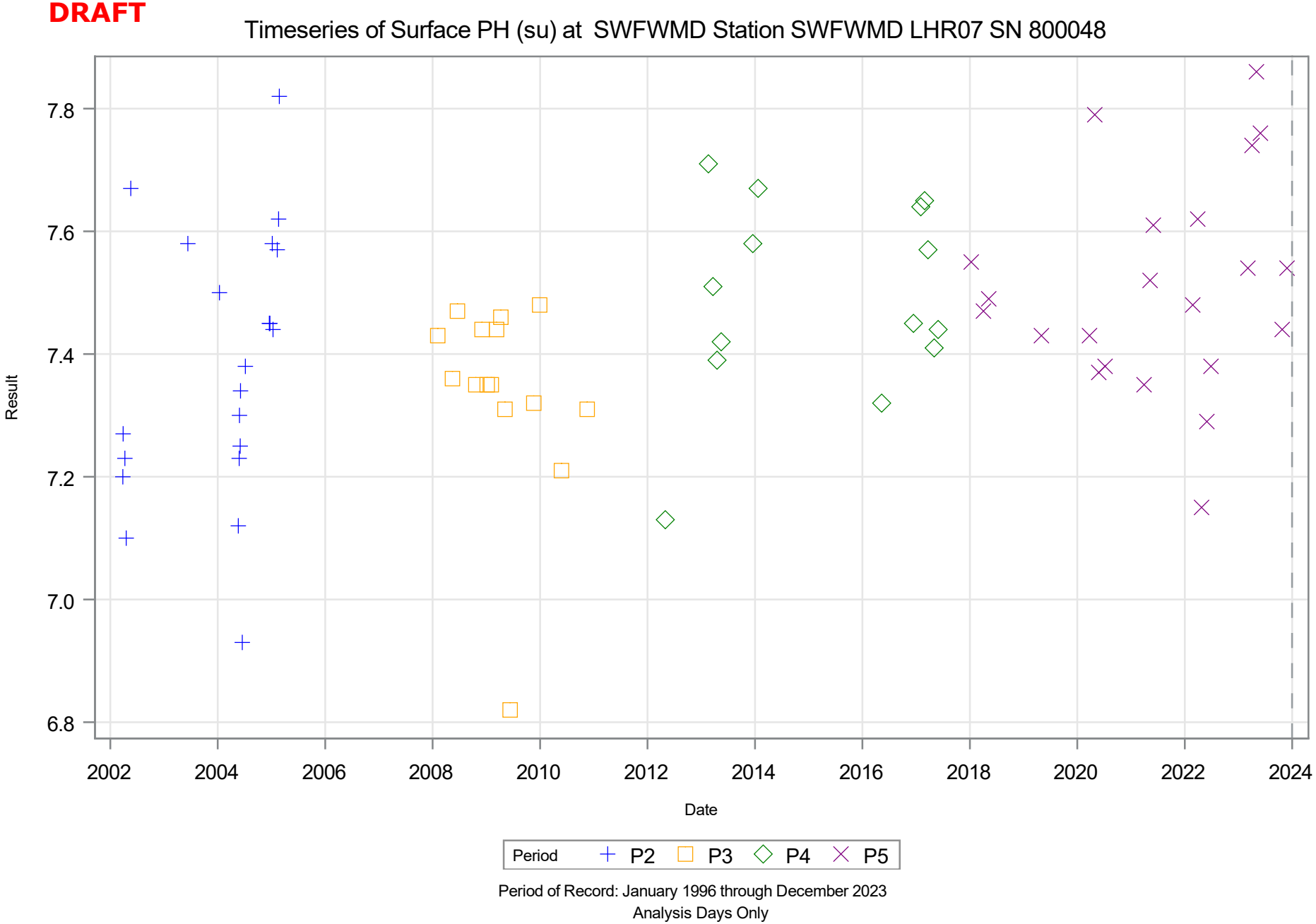
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	42	6.89	7.00	7.17	7.12	7.30	7.59
P3	41	6.74	7.06	7.16	7.17	7.28	7.48
P4	29	6.93	7.20	7.35	7.31	7.55	7.69
P5	43	6.89	7.22	7.34	7.33	7.49	7.78

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

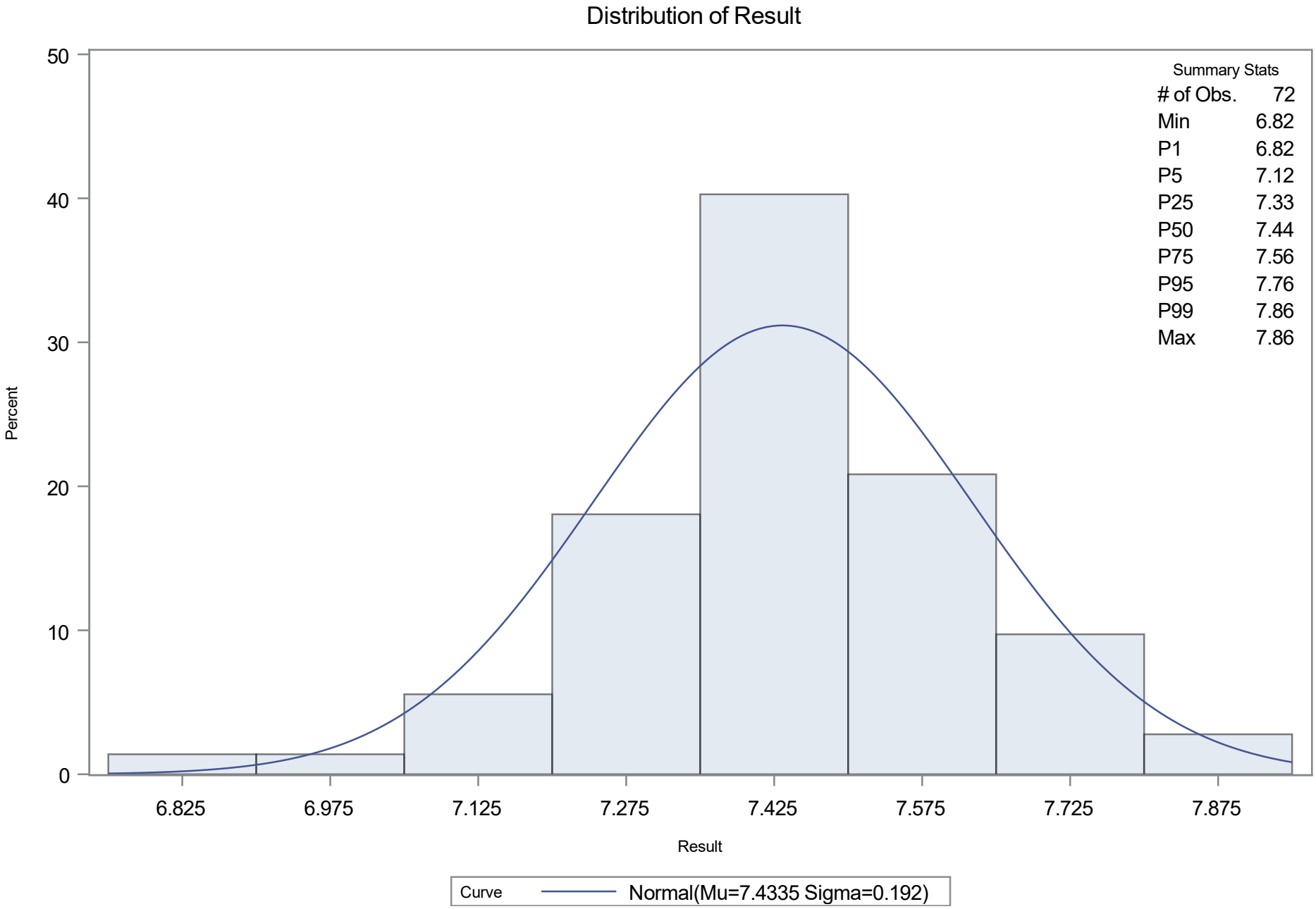

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.433472
Std Dev	Sigma	0.191974

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06796117	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06538911	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38918461	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.82000	6.98687
5.0	7.12000	7.11770
10.0	7.21000	7.18745
25.0	7.33000	7.30399
50.0	7.44000	7.43347
75.0	7.56000	7.56296
90.0	7.67000	7.67950
95.0	7.76000	7.74924
99.0	7.86000	7.88007

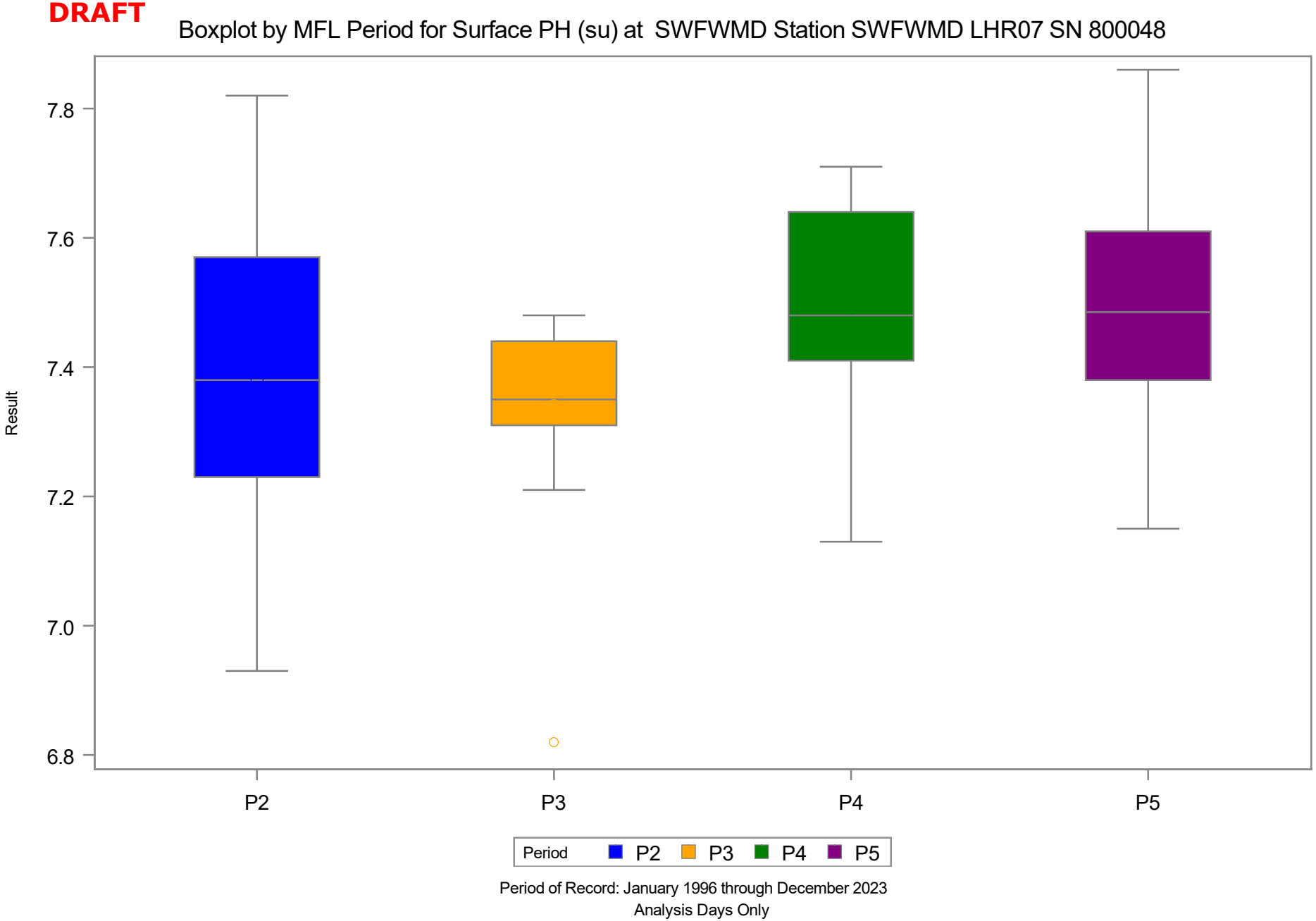
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048**

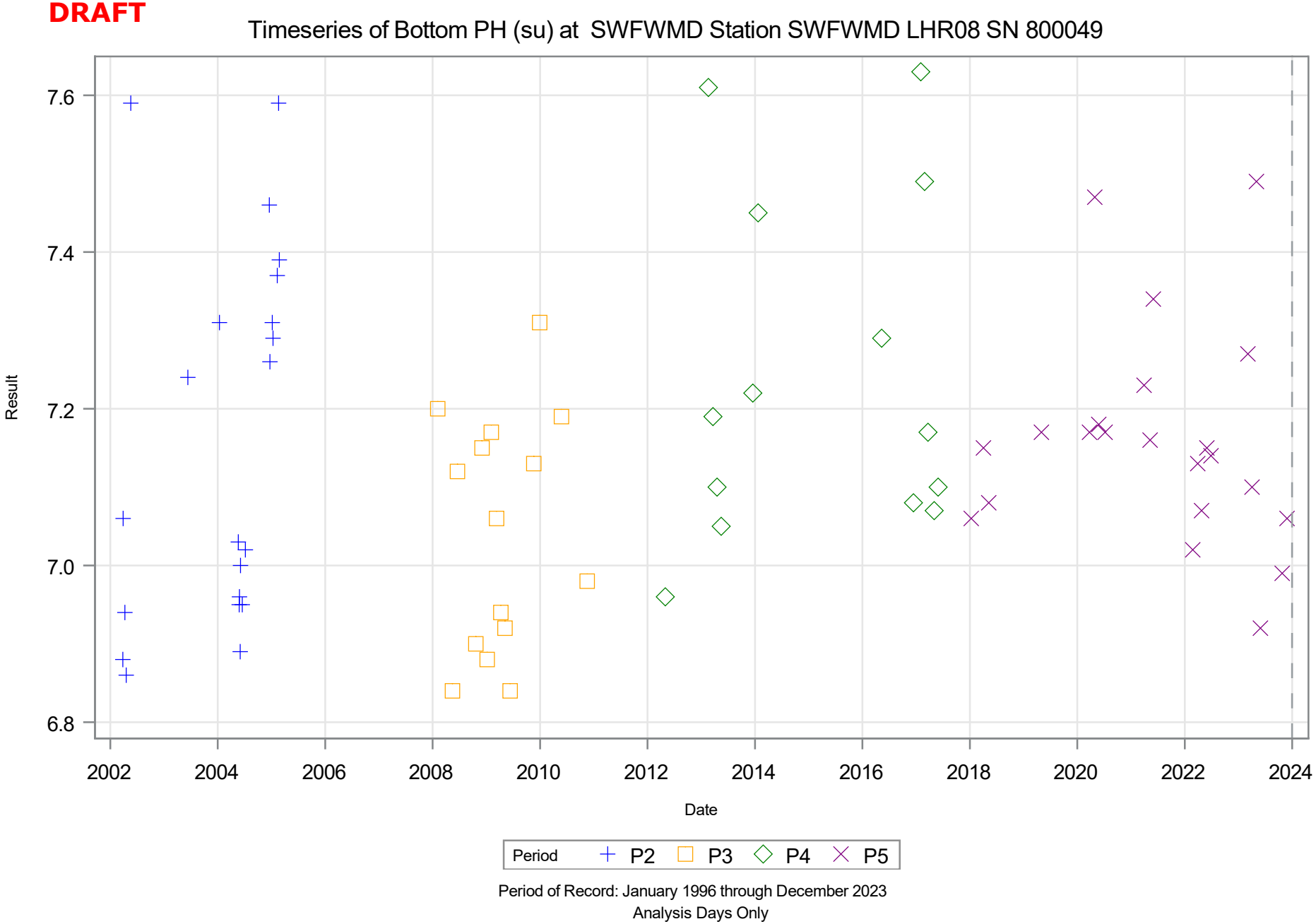
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.93	7.23	7.38	7.38	7.57	7.82
P3	15	6.82	7.31	7.34	7.35	7.44	7.48
P4	14	7.13	7.41	7.49	7.48	7.64	7.71
P5	22	7.15	7.38	7.51	7.49	7.61	7.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

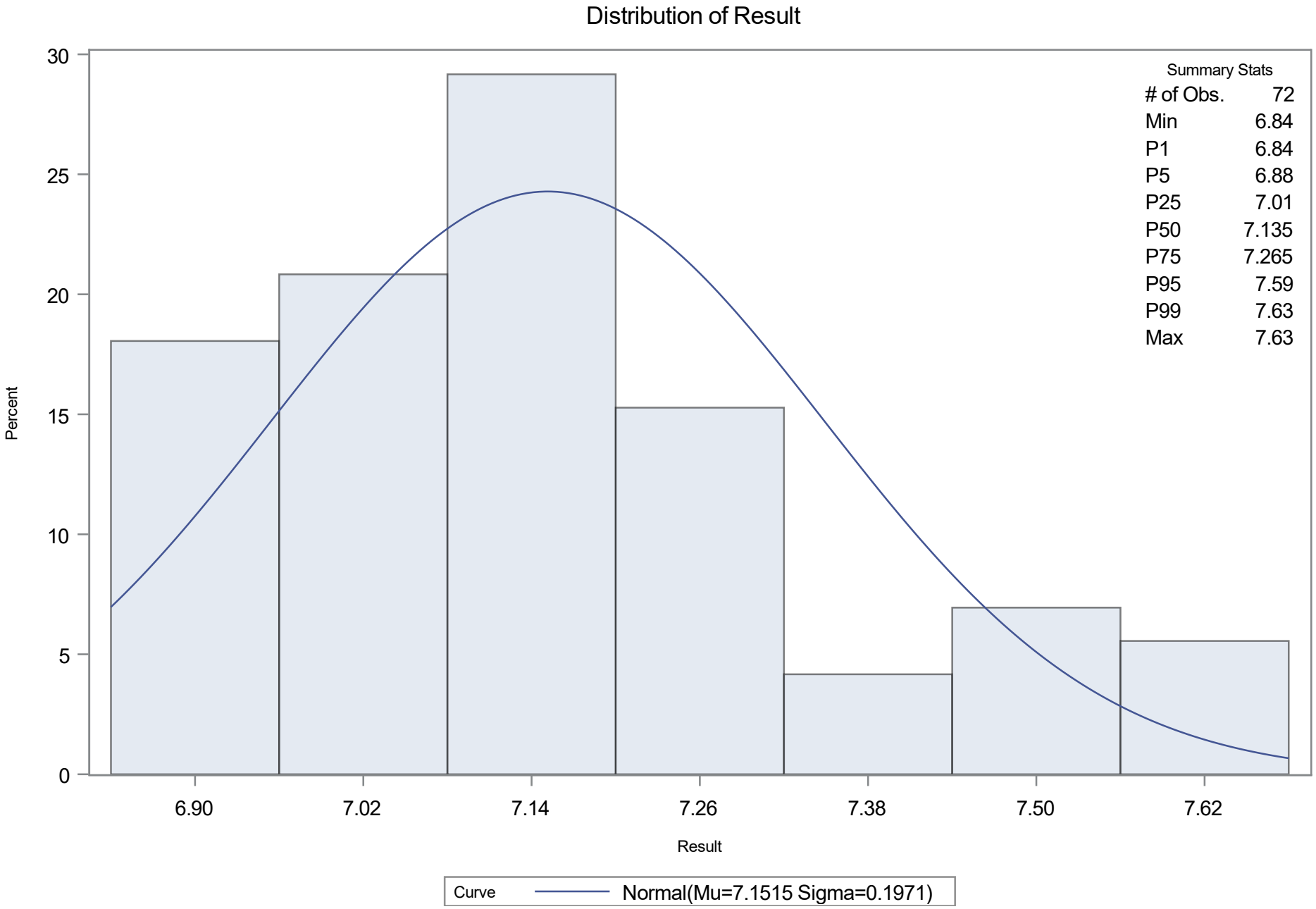

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.151528
Std Dev	Sigma	0.197139

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10319228	**Pr > D**	0.057
Cramer-von Mises	**W-Sq**	0.11943946	**Pr > W-Sq**	0.063
Anderson-Darling	**A-Sq**	0.83518426	**Pr > A-Sq**	0.031

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.84000	6.69291
5.0	6.88000	6.82726
10.0	6.92000	6.89888
25.0	7.01000	7.01856
50.0	7.13500	7.15153
75.0	7.26500	7.28450
90.0	7.46000	7.40417
95.0	7.59000	7.47579
99.0	7.63000	7.61014

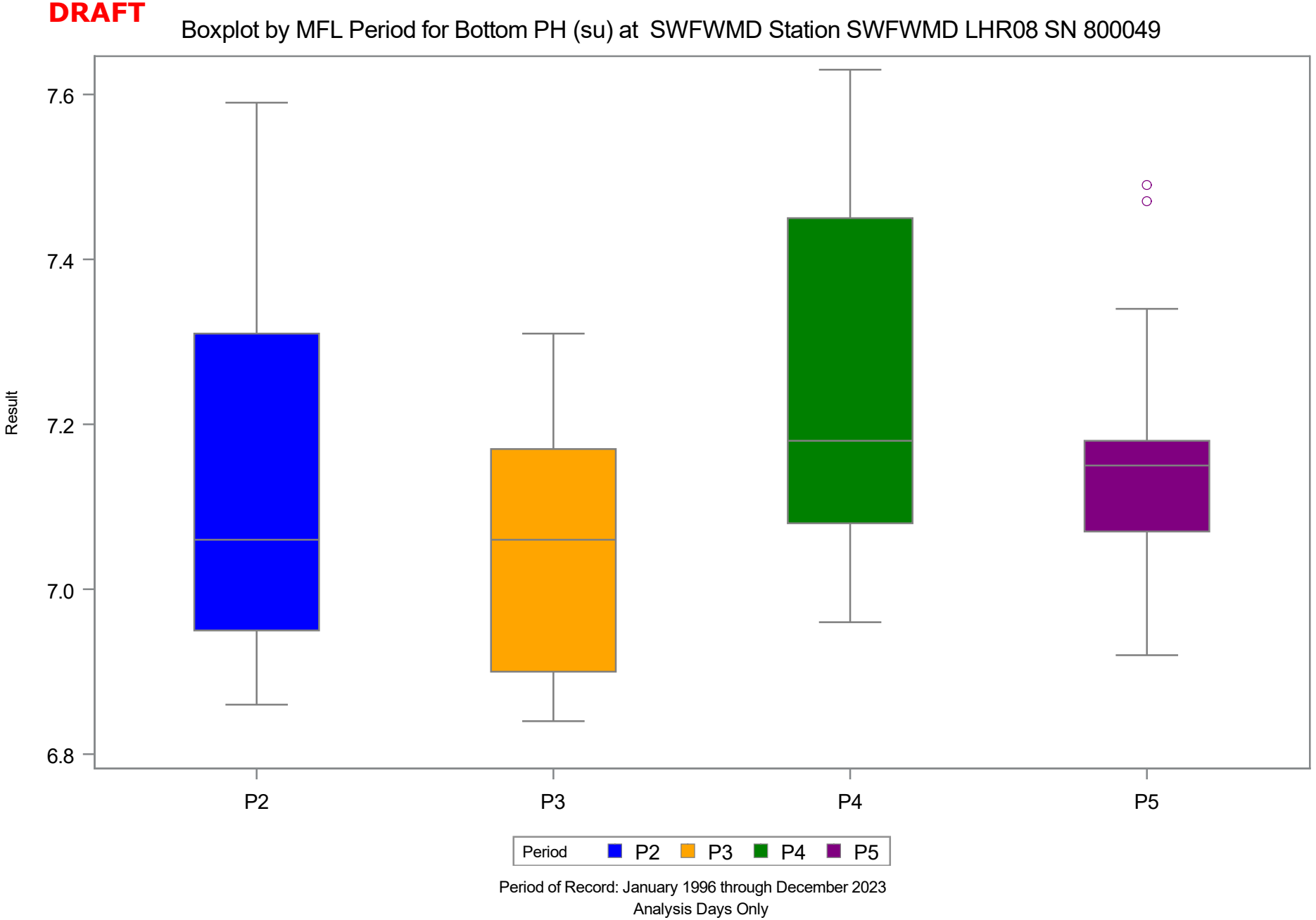
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049**

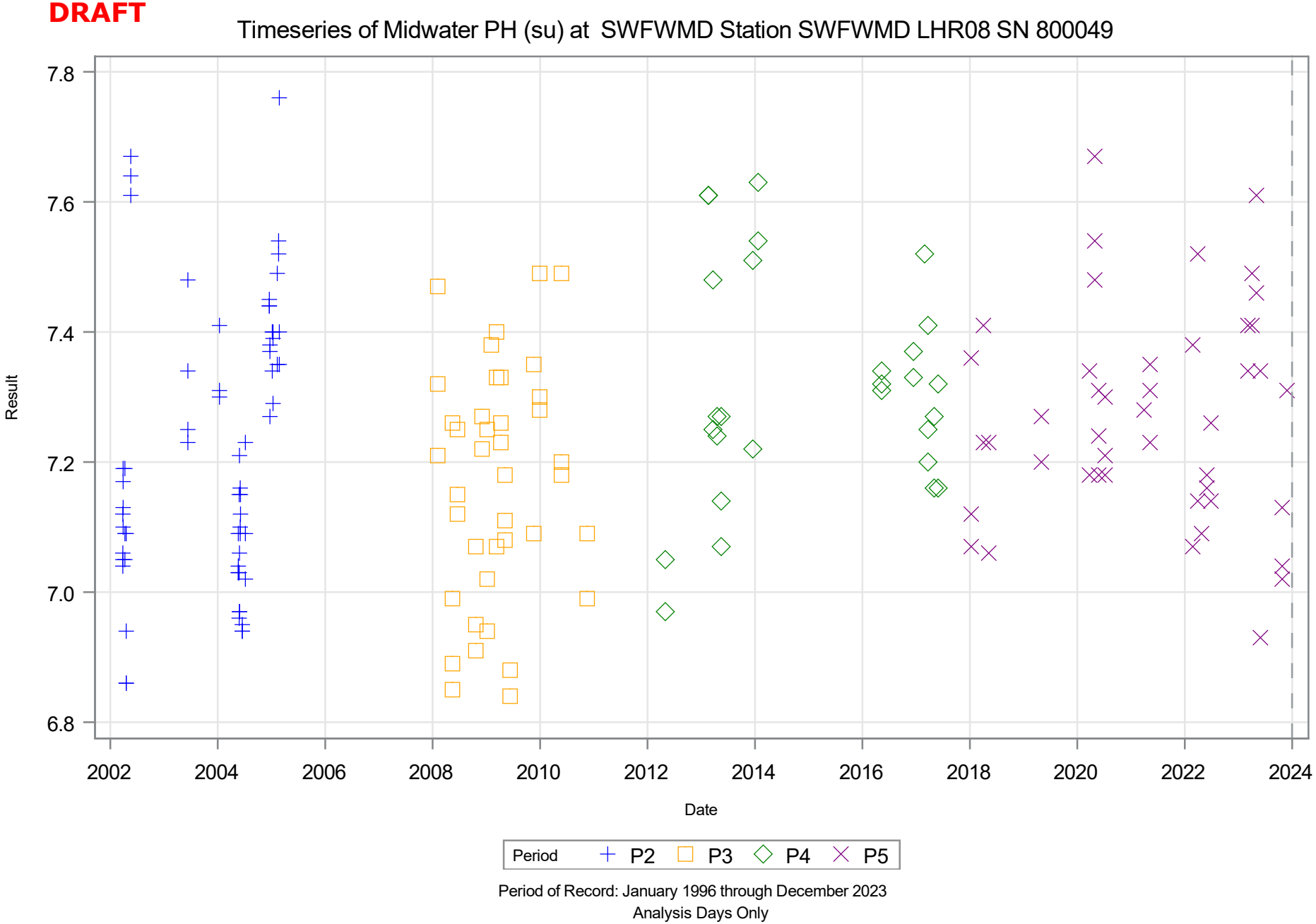
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.86	6.95	7.16	7.06	7.31	7.59
P3	15	6.84	6.90	7.04	7.06	7.17	7.31
P4	14	6.96	7.08	7.24	7.18	7.45	7.63
P5	22	6.92	7.07	7.16	7.15	7.18	7.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

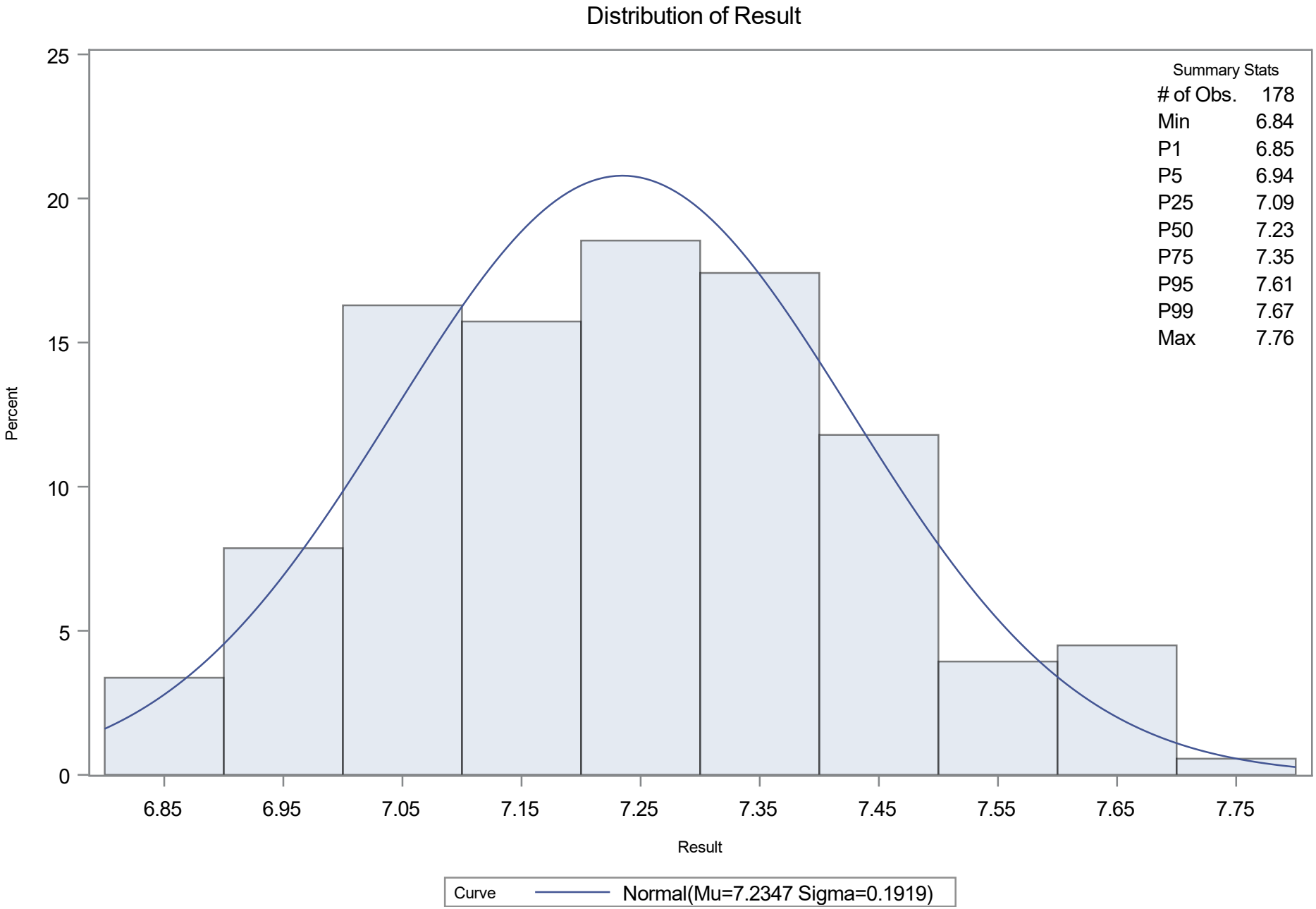

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
7.8
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.234719
Std Dev	Sigma	0.191887

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04991333	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04208683	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31965546	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.85000	6.78832
5.0	6.94000	6.91909
10.0	6.97000	6.98881
25.0	7.09000	7.10529
50.0	7.23000	7.23472
75.0	7.35000	7.36414
90.0	7.49000	7.48063
95.0	7.61000	7.55034
99.0	7.67000	7.68111

Period of Record: January 1996 through December 2023
Analysis Days Only

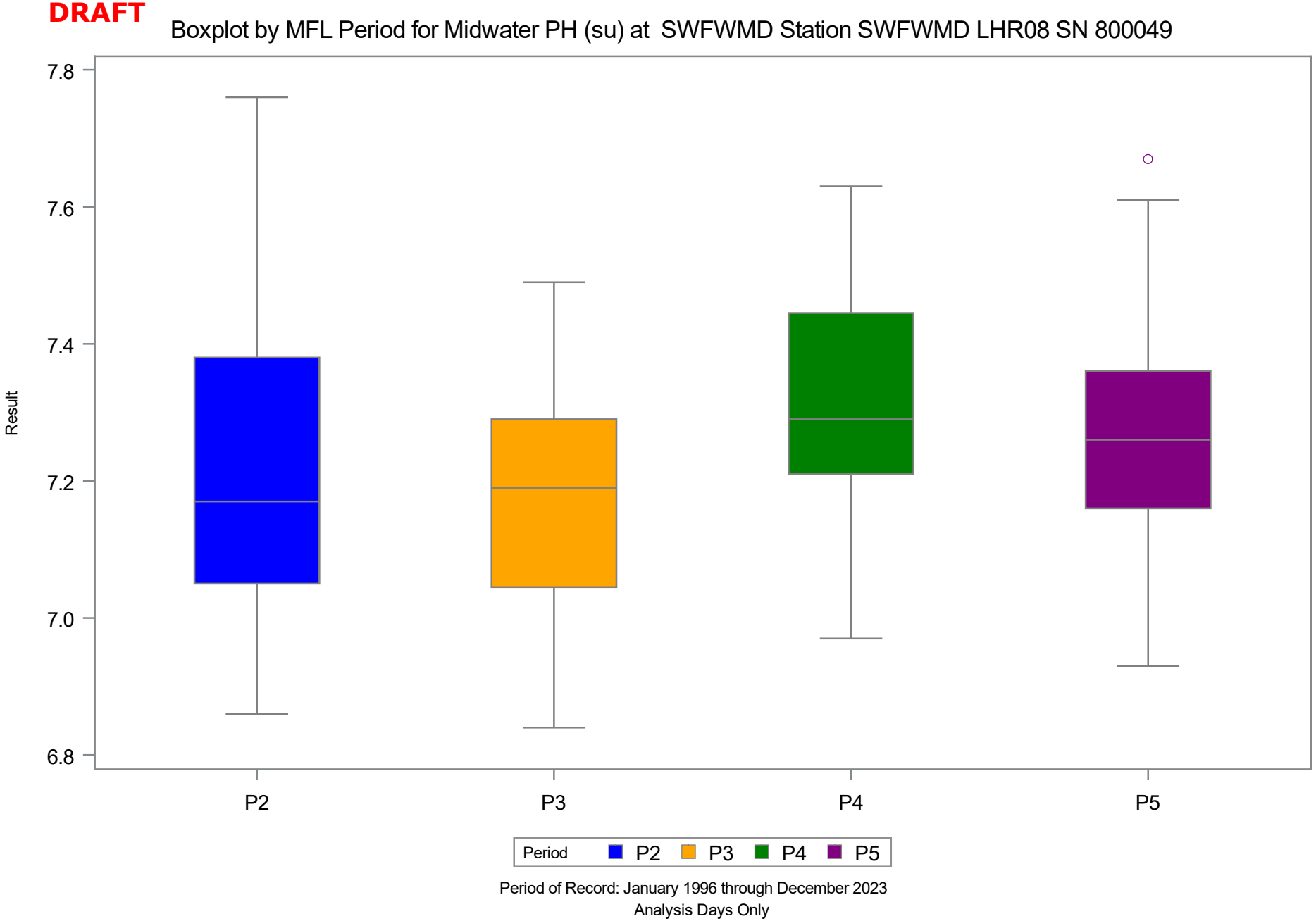
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049

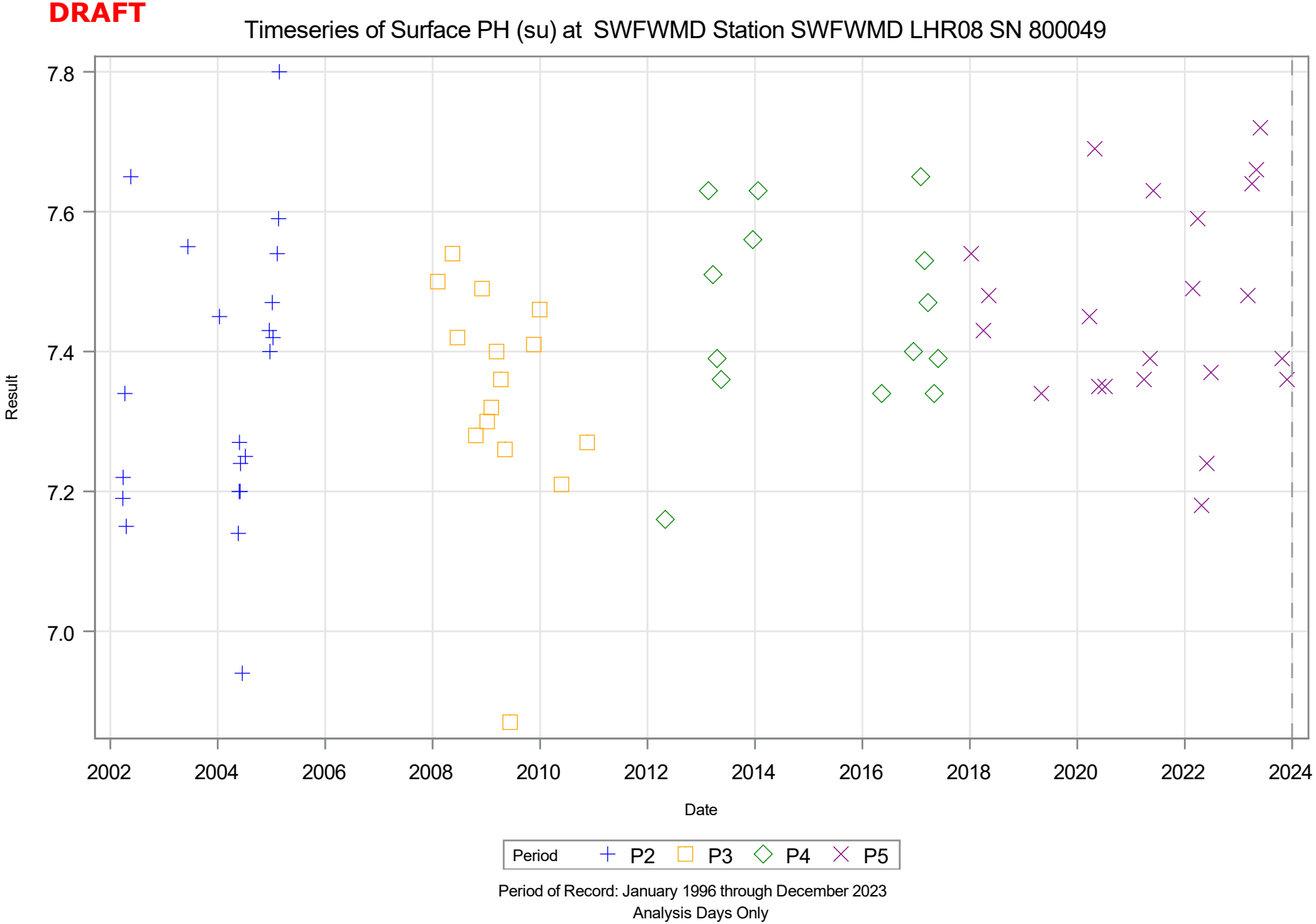
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	65	6.86	7.05	7.22	7.17	7.38	7.76
P3	40	6.84	7.05	7.17	7.19	7.29	7.49
P4	28	6.97	7.21	7.32	7.29	7.45	7.63
P5	45	6.93	7.16	7.27	7.26	7.36	7.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

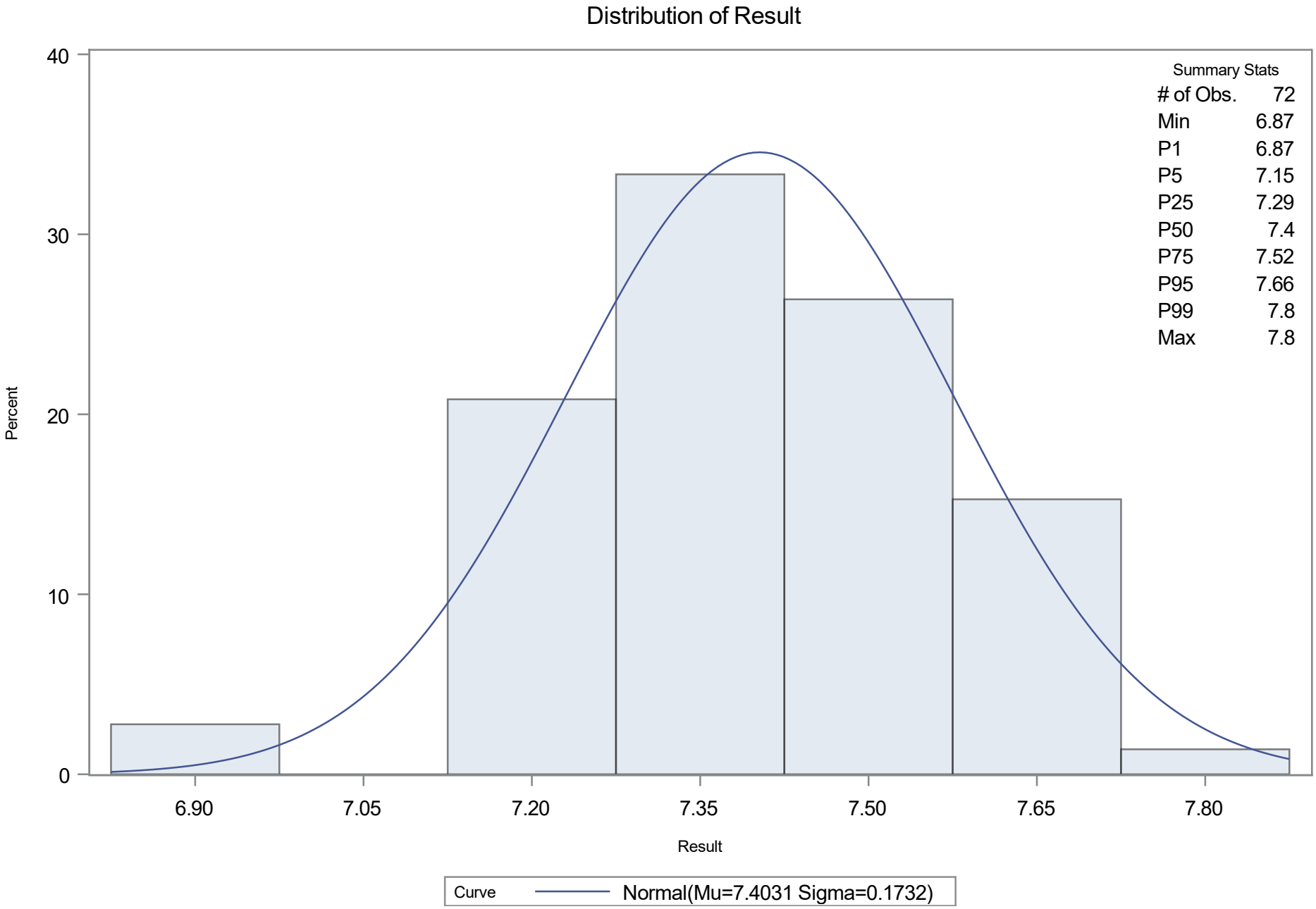

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
7.8
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.403056
Std Dev	Sigma	0.17317

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08010419	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03295528	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27106877	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.87000	7.00020
5.0	7.15000	7.11822
10.0	7.20000	7.18113
25.0	7.29000	7.28625
50.0	7.40000	7.40306
75.0	7.52000	7.51986
90.0	7.63000	7.62498
95.0	7.66000	7.68789
99.0	7.80000	7.80591

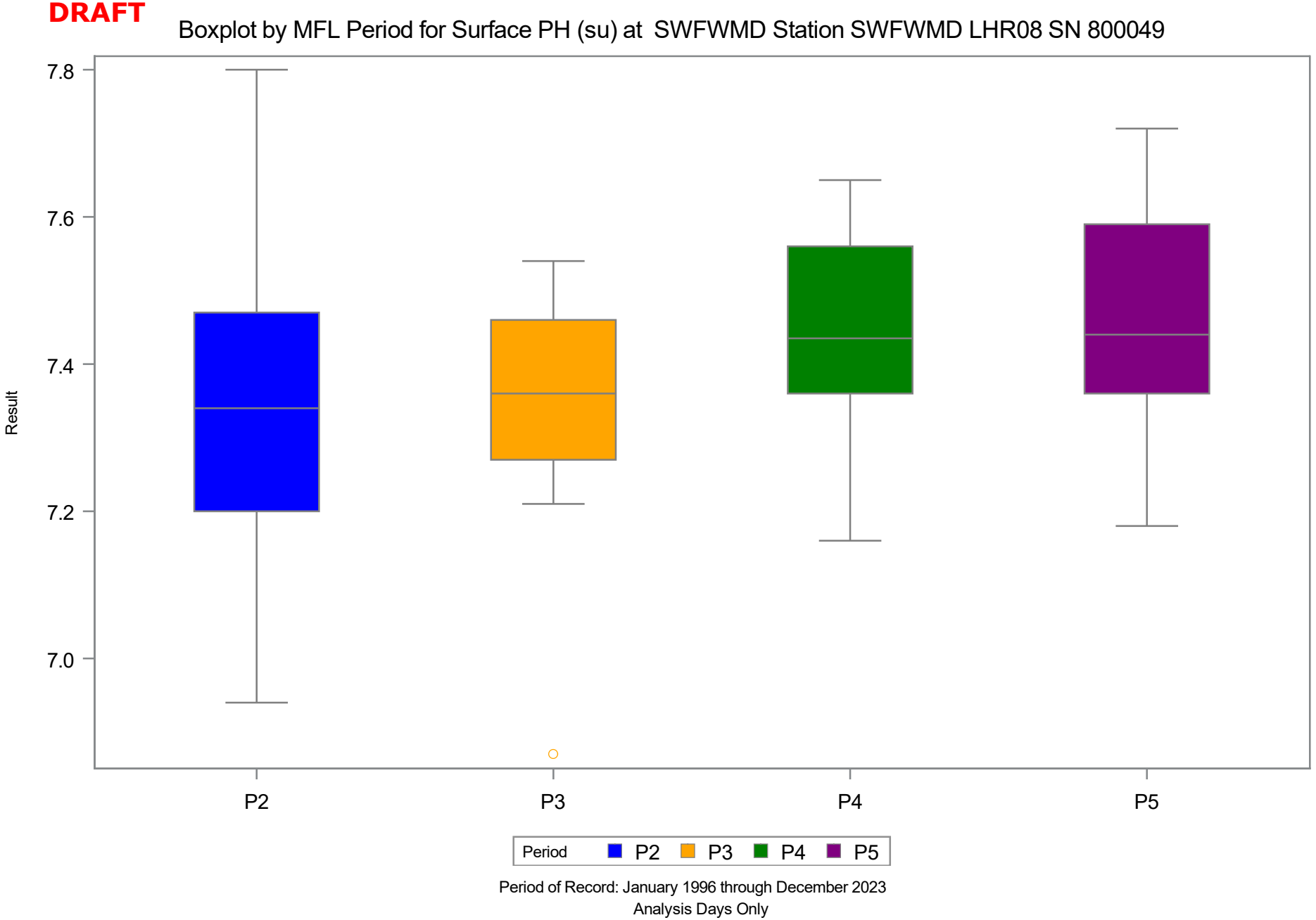
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049**

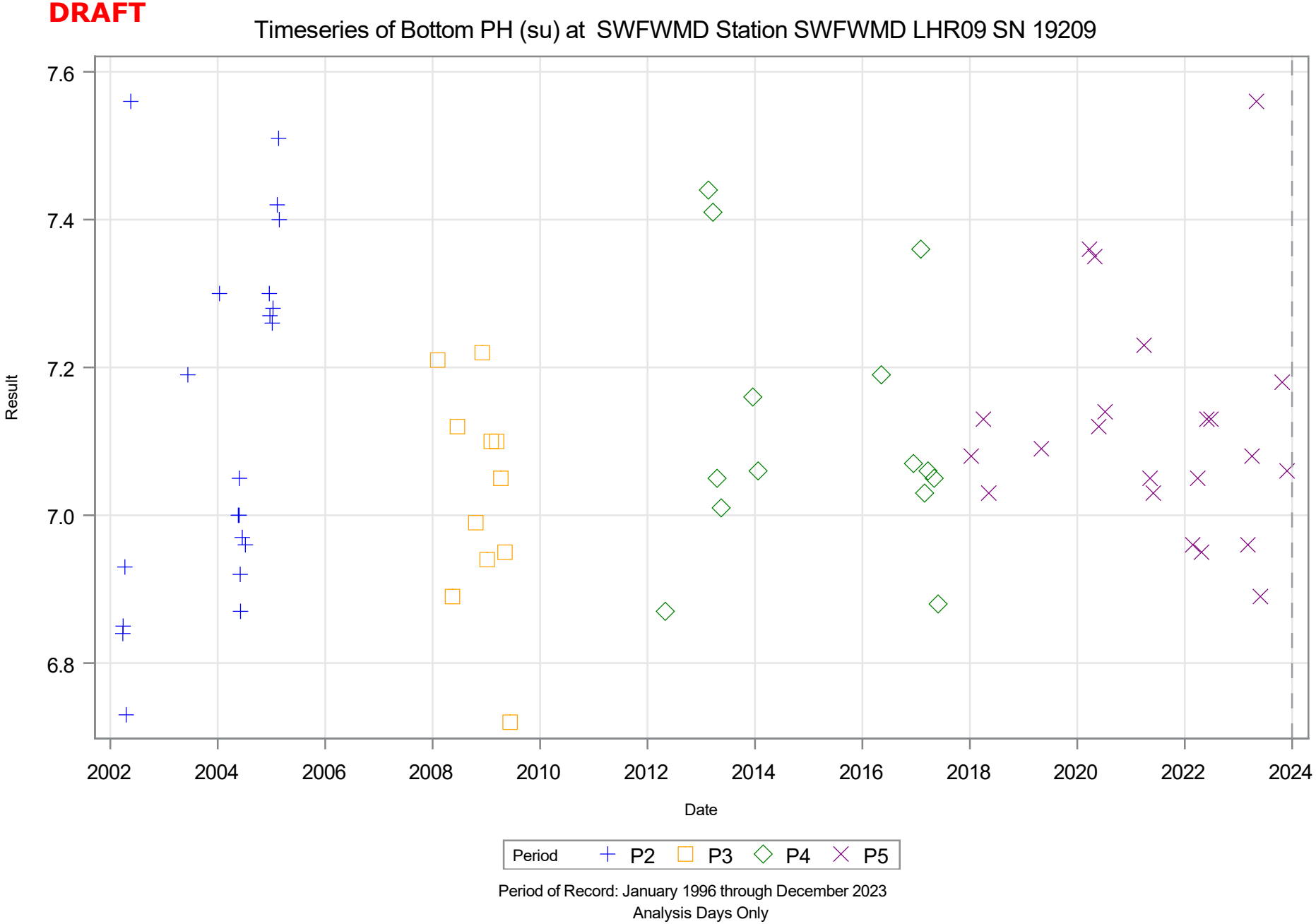
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.94	7.20	7.35	7.34	7.47	7.80
P3	15	6.87	7.27	7.34	7.36	7.46	7.54
P4	14	7.16	7.36	7.45	7.44	7.56	7.65
P5	22	7.18	7.36	7.46	7.44	7.59	7.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

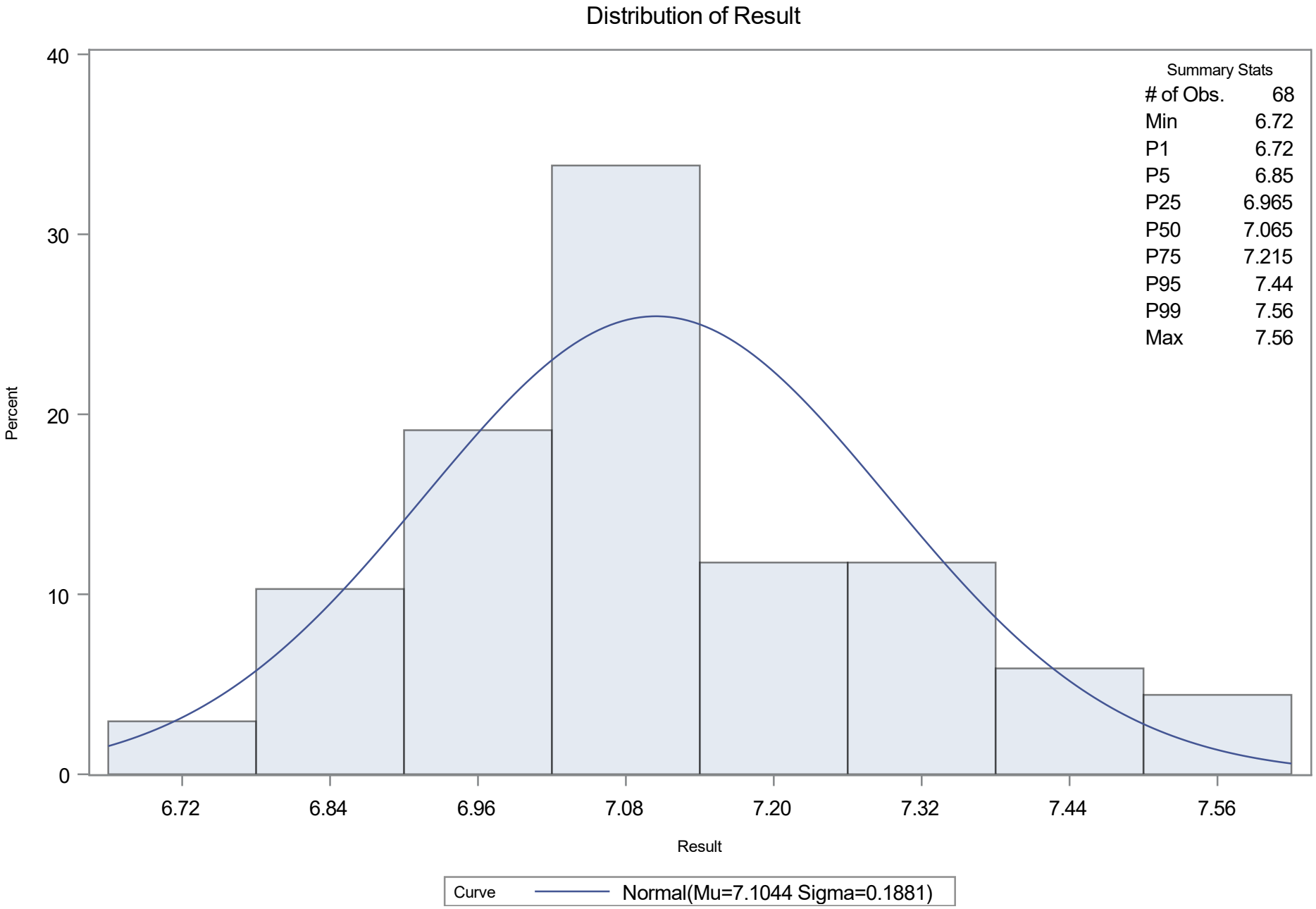

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.104412
Std Dev	Sigma	0.188128

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10766944	**Pr > D**	0.049
Cramer-von Mises	**W-Sq**	0.13683110	**Pr > W-Sq**	0.037
Anderson-Darling	**A-Sq**	0.75594114	**Pr > A-Sq**	0.047

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.72000	6.66676
5.0	6.85000	6.79497
10.0	6.88000	6.86332
25.0	6.96500	6.97752
50.0	7.06500	7.10441
75.0	7.21500	7.23130
90.0	7.40000	7.34551
95.0	7.44000	7.41385
99.0	7.56000	7.54206

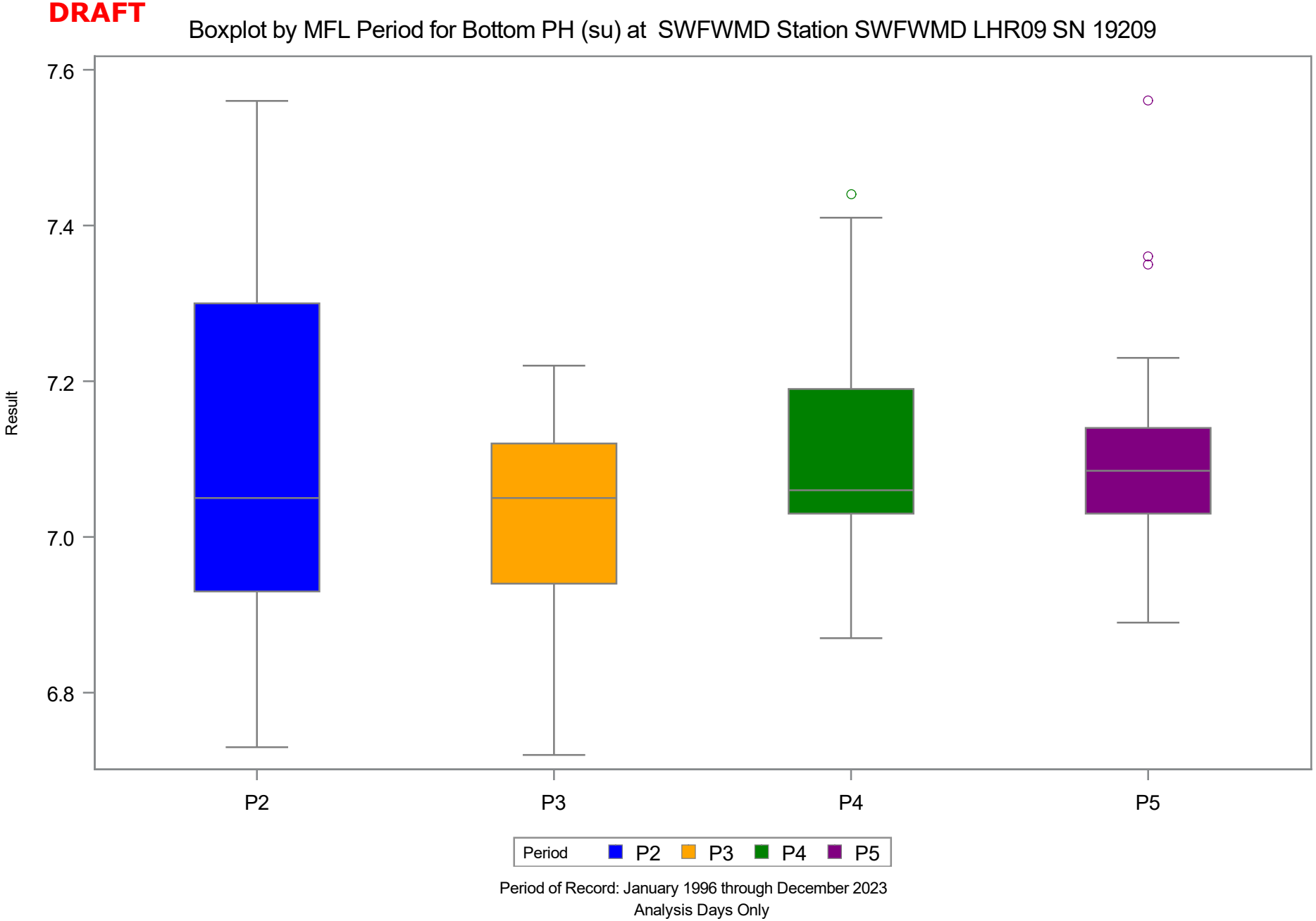
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209**

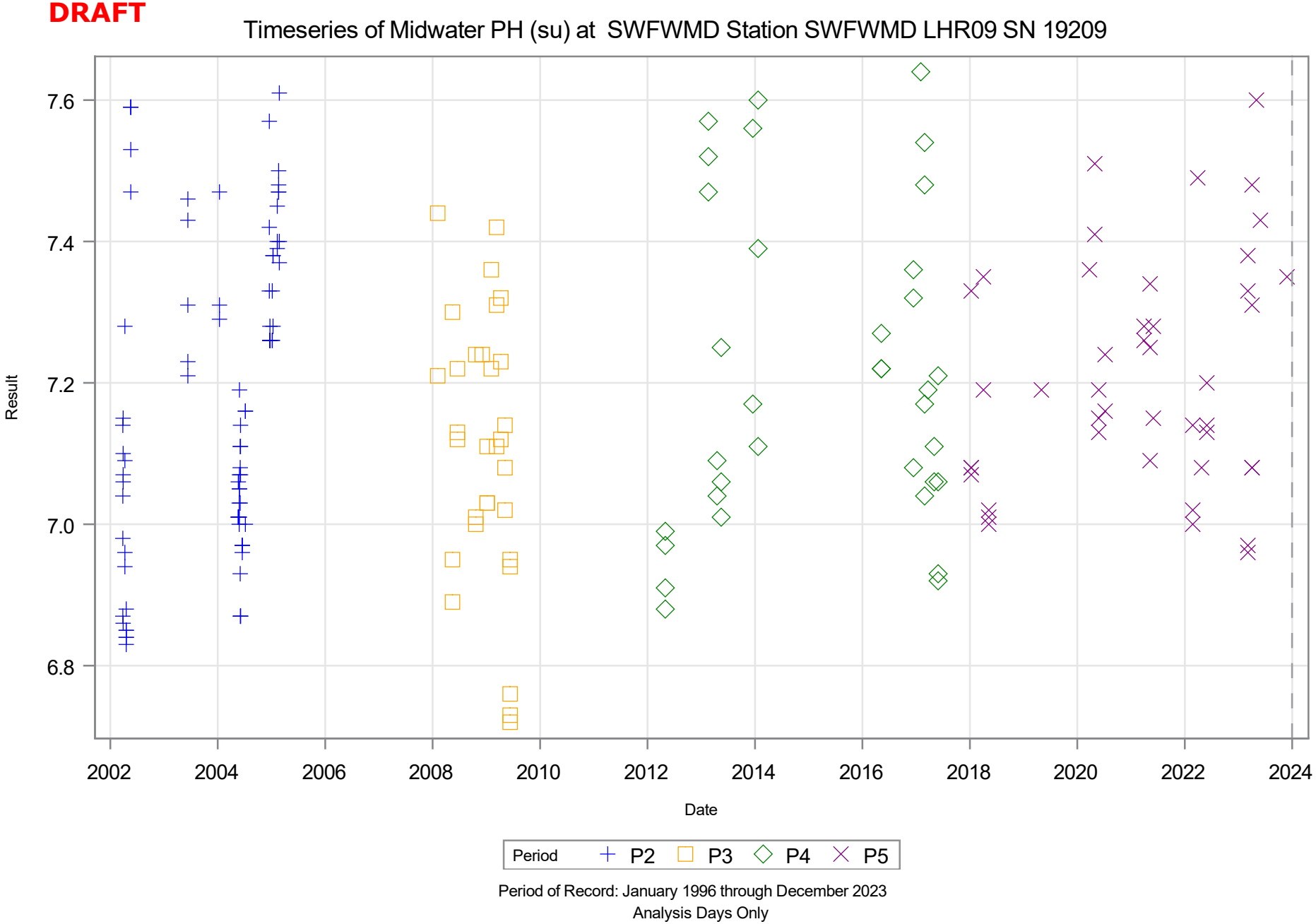
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.73	6.93	7.12	7.05	7.30	7.56
P3	11	6.72	6.94	7.03	7.05	7.12	7.22
P4	14	6.87	7.03	7.12	7.06	7.19	7.44
P5	22	6.89	7.03	7.12	7.09	7.14	7.56

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

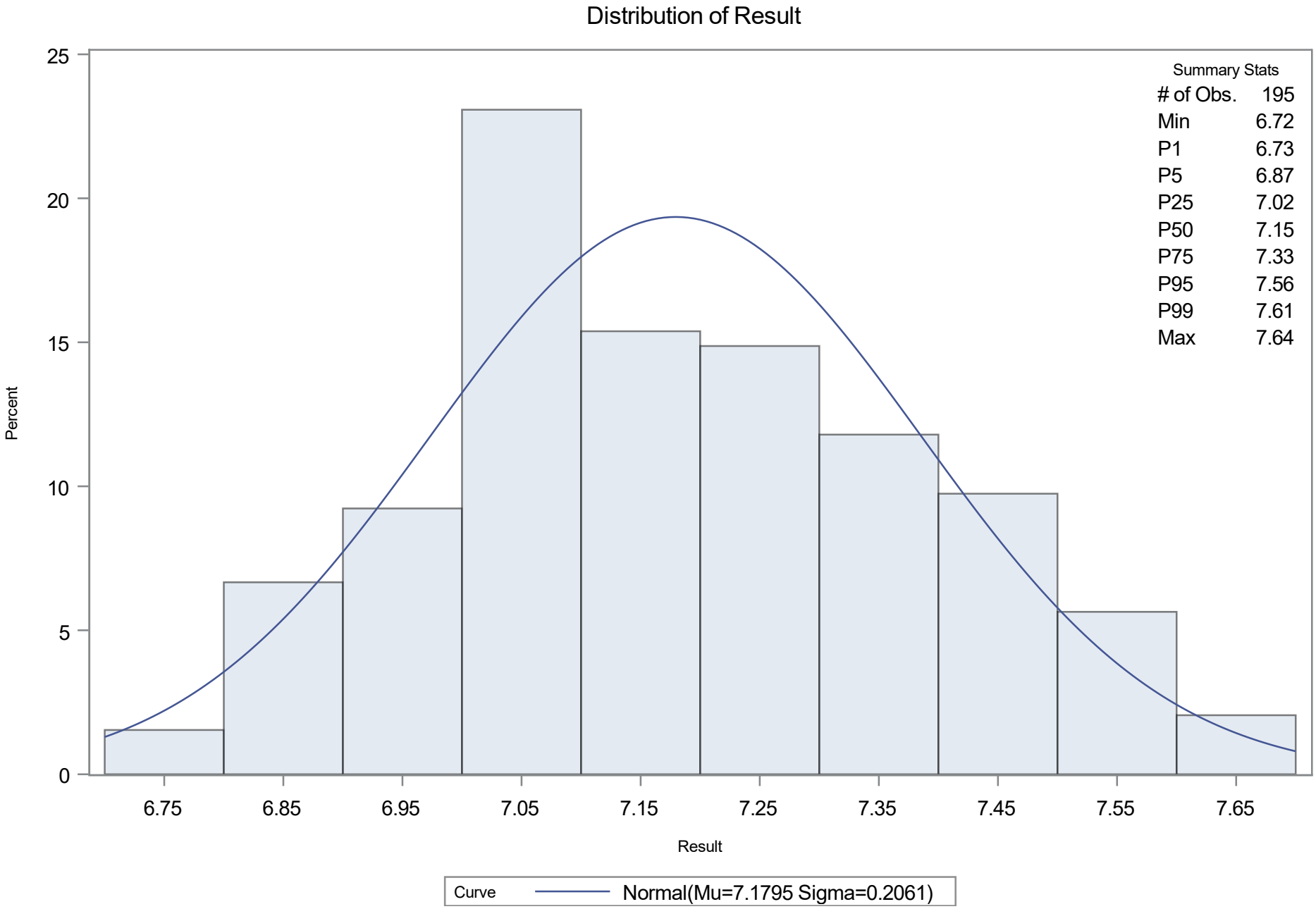

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.179487
Std Dev	Sigma	0.206147

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07505468	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18577483	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.09898533	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.73000	6.69992
5.0	6.87000	6.84041
10.0	6.93000	6.91530
25.0	7.02000	7.04044
50.0	7.15000	7.17949
75.0	7.33000	7.31853
90.0	7.47000	7.44368
95.0	7.56000	7.51857
99.0	7.61000	7.65906

Period of Record: January 1996 through December 2023
Analysis Days Only

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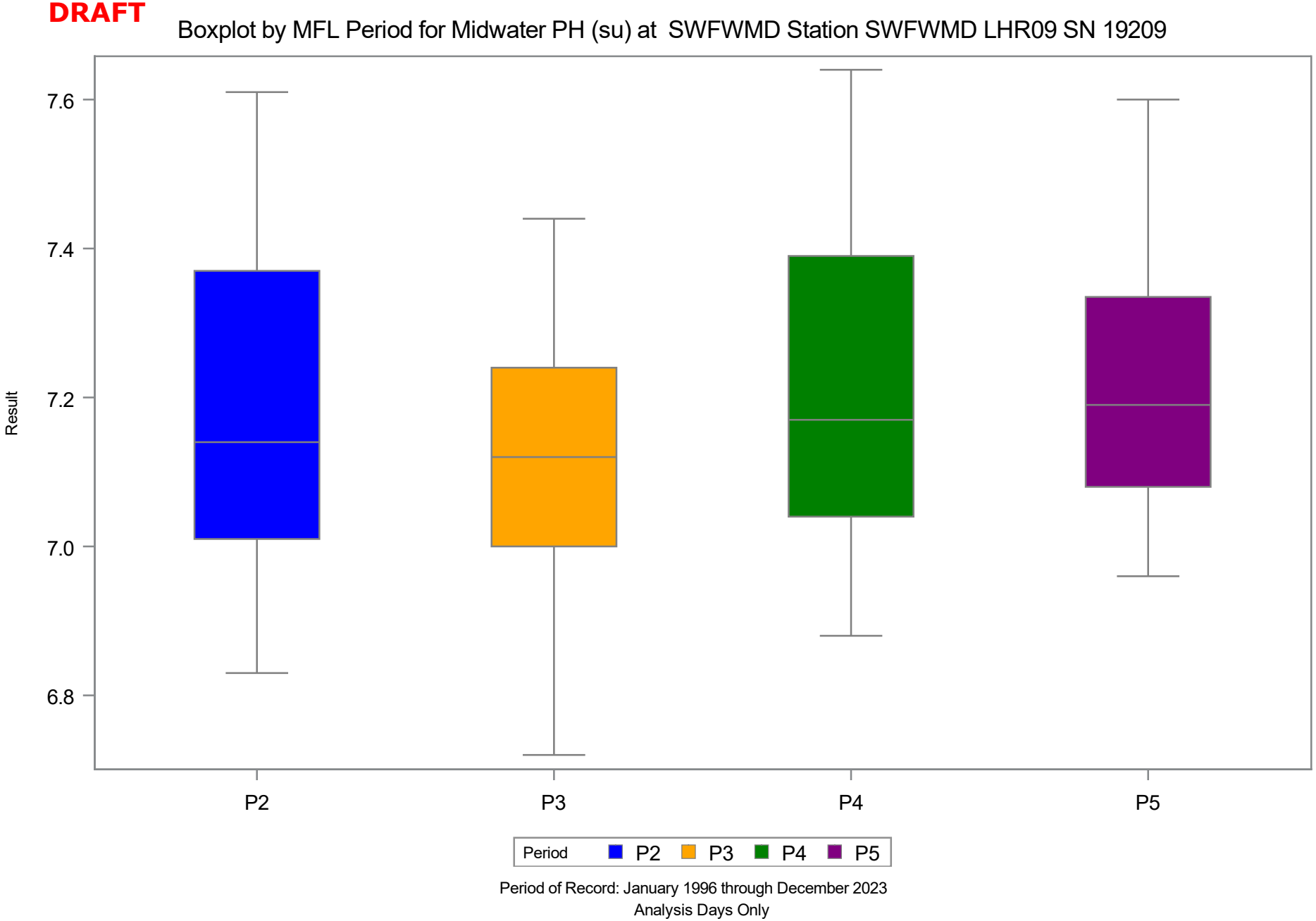
Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209

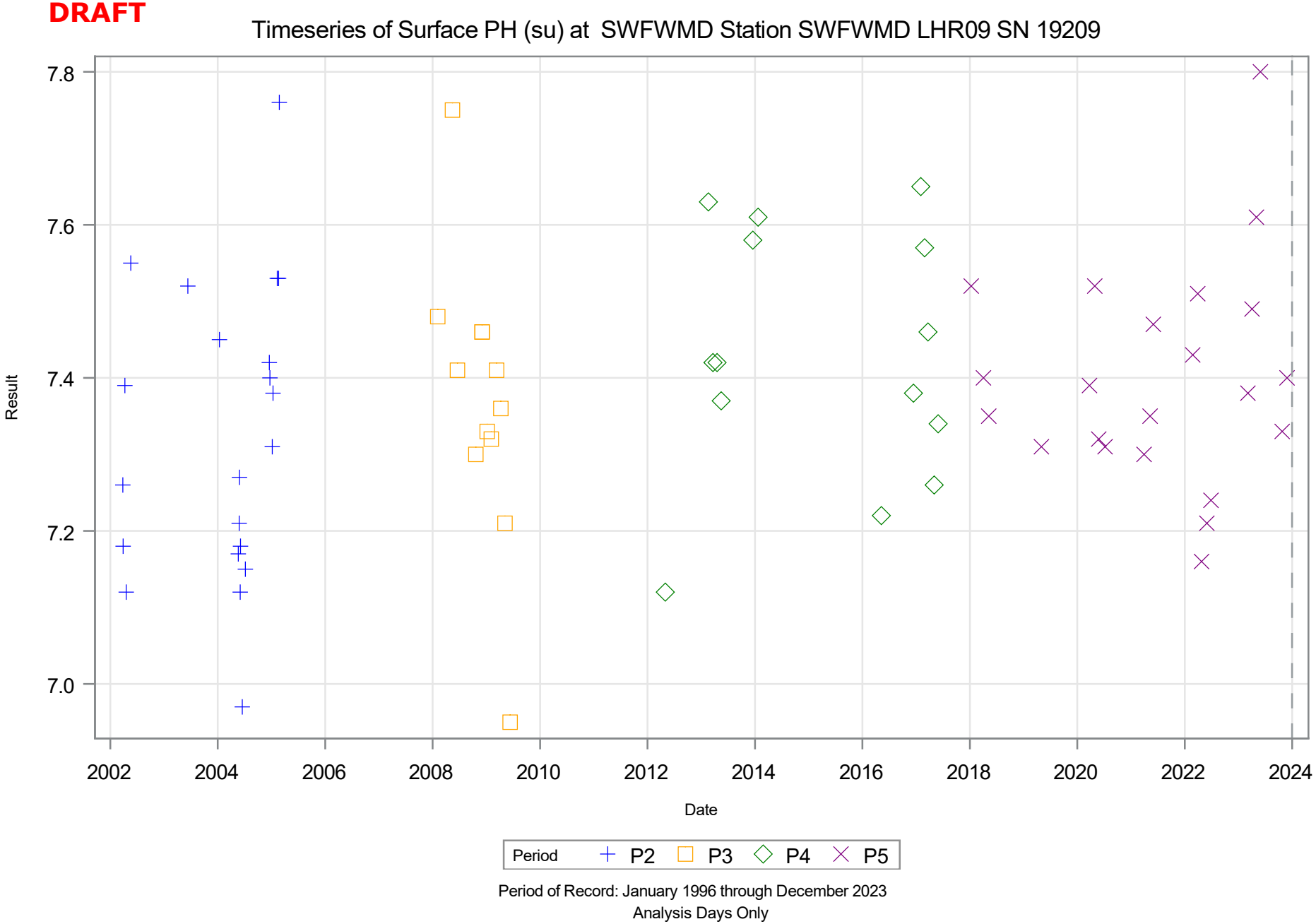
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	85	6.83	7.01	7.18	7.14	7.37	7.61
P3	31	6.72	7.00	7.11	7.12	7.24	7.44
P4	35	6.88	7.04	7.21	7.17	7.39	7.64
P5	44	6.96	7.08	7.21	7.19	7.34	7.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

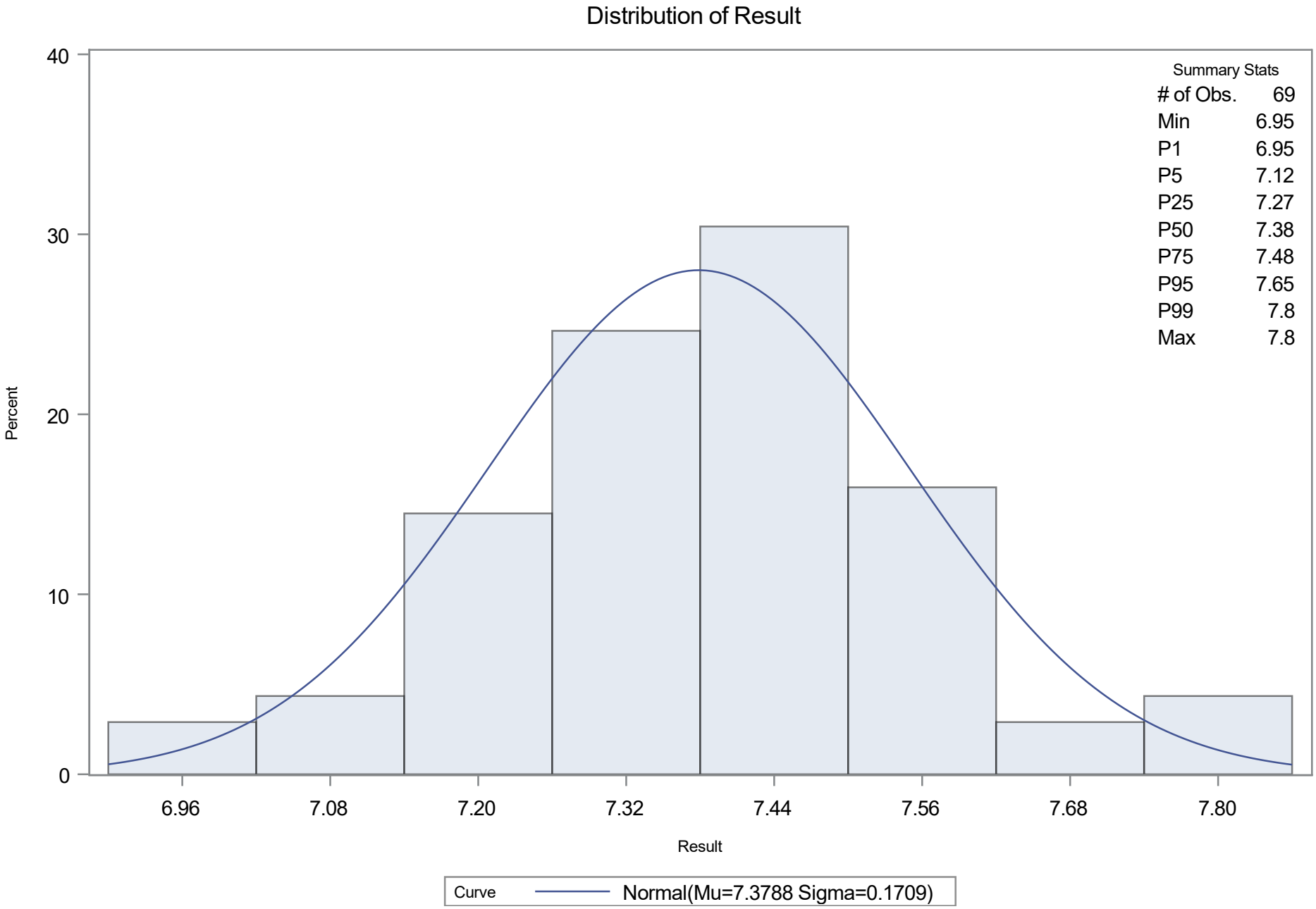

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.378841
Std Dev	Sigma	0.170936

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06144803	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03082215	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21594407	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.95000	6.98118
5.0	7.12000	7.09768
10.0	7.16000	7.15978
25.0	7.27000	7.26355
50.0	7.38000	7.37884
75.0	7.48000	7.49414
90.0	7.61000	7.59790
95.0	7.65000	7.66001
99.0	7.80000	7.77650

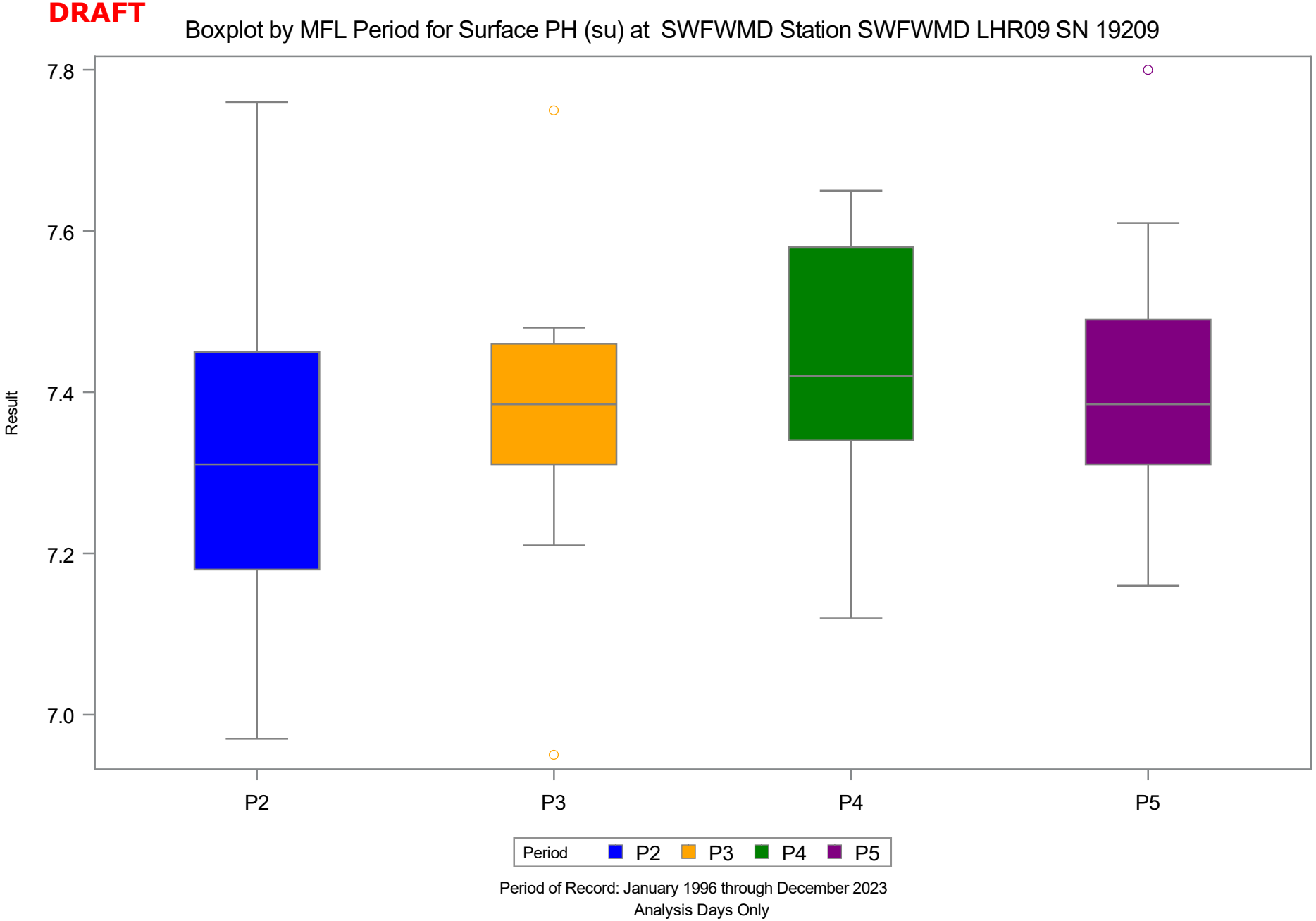
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209**

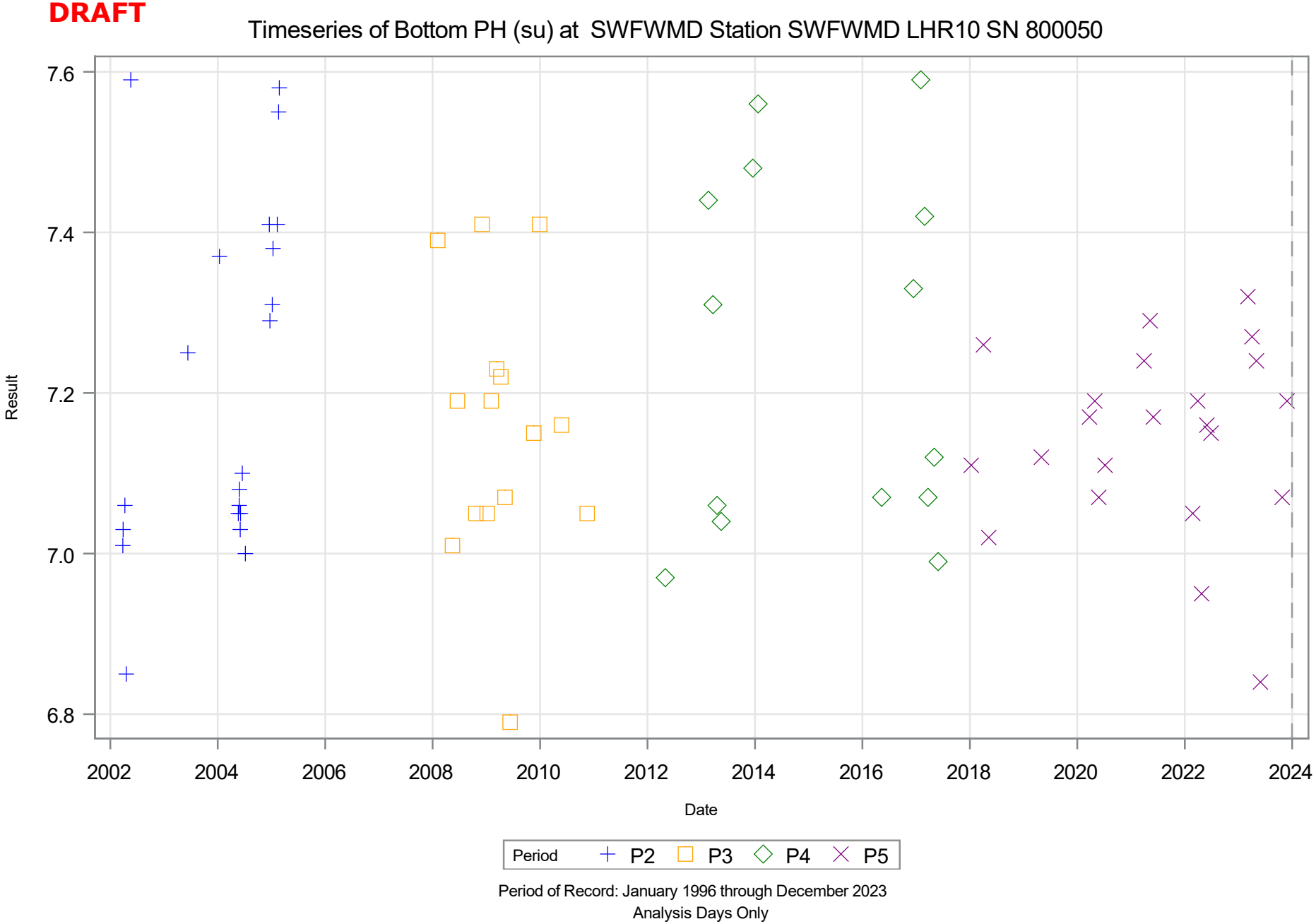
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.97	7.18	7.33	7.31	7.45	7.76
P3	12	6.95	7.31	7.37	7.39	7.46	7.75
P4	14	7.12	7.34	7.43	7.42	7.58	7.65
P5	22	7.16	7.31	7.40	7.39	7.49	7.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

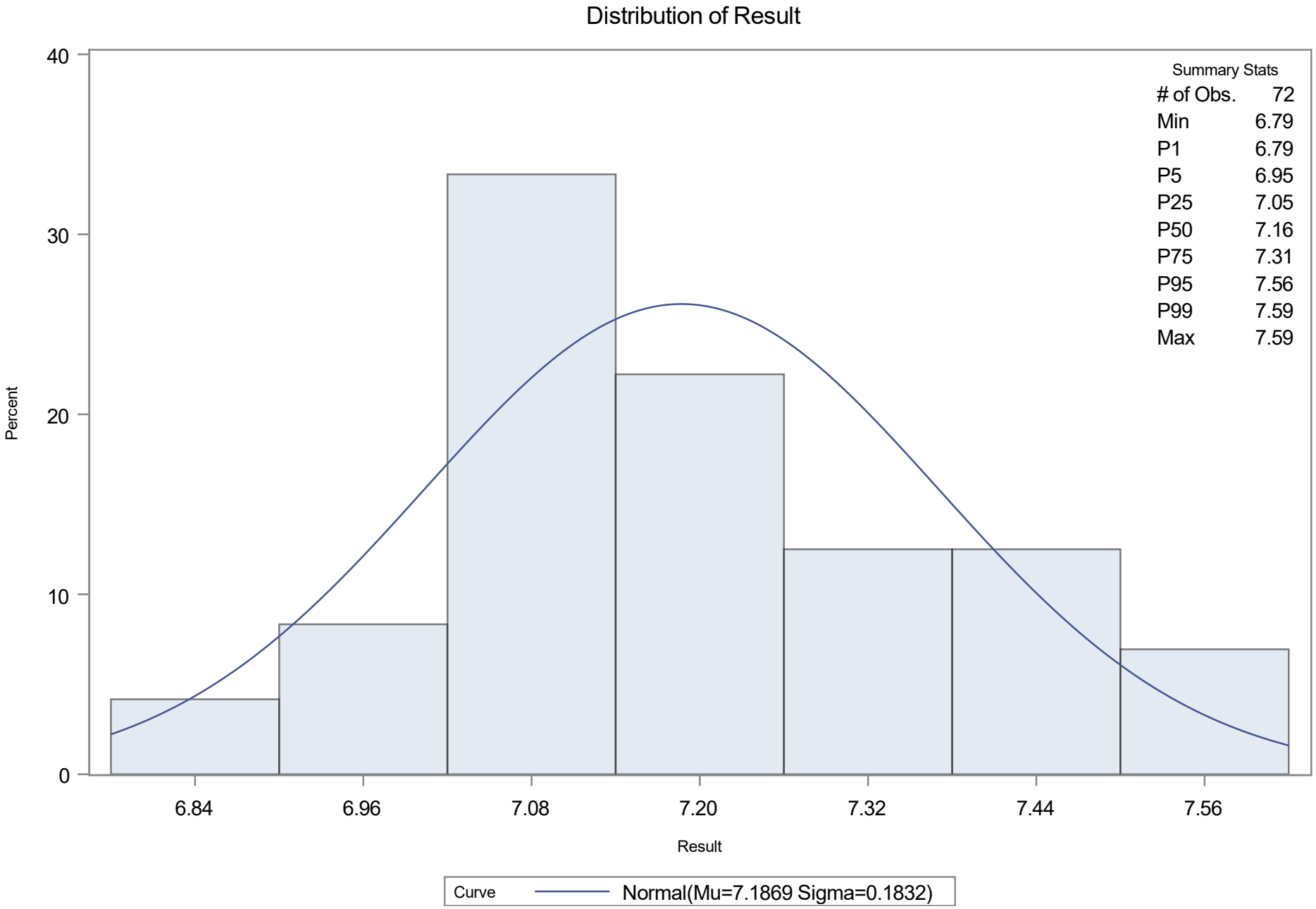

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.186944
Std Dev	Sigma	0.183231

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11333956	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.18516016	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.08922300	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.79000	6.76069
5.0	6.95000	6.88556
10.0	7.01000	6.95212
25.0	7.05000	7.06336
50.0	7.16000	7.18694
75.0	7.31000	7.31053
90.0	7.42000	7.42176
95.0	7.56000	7.48833
99.0	7.59000	7.61320

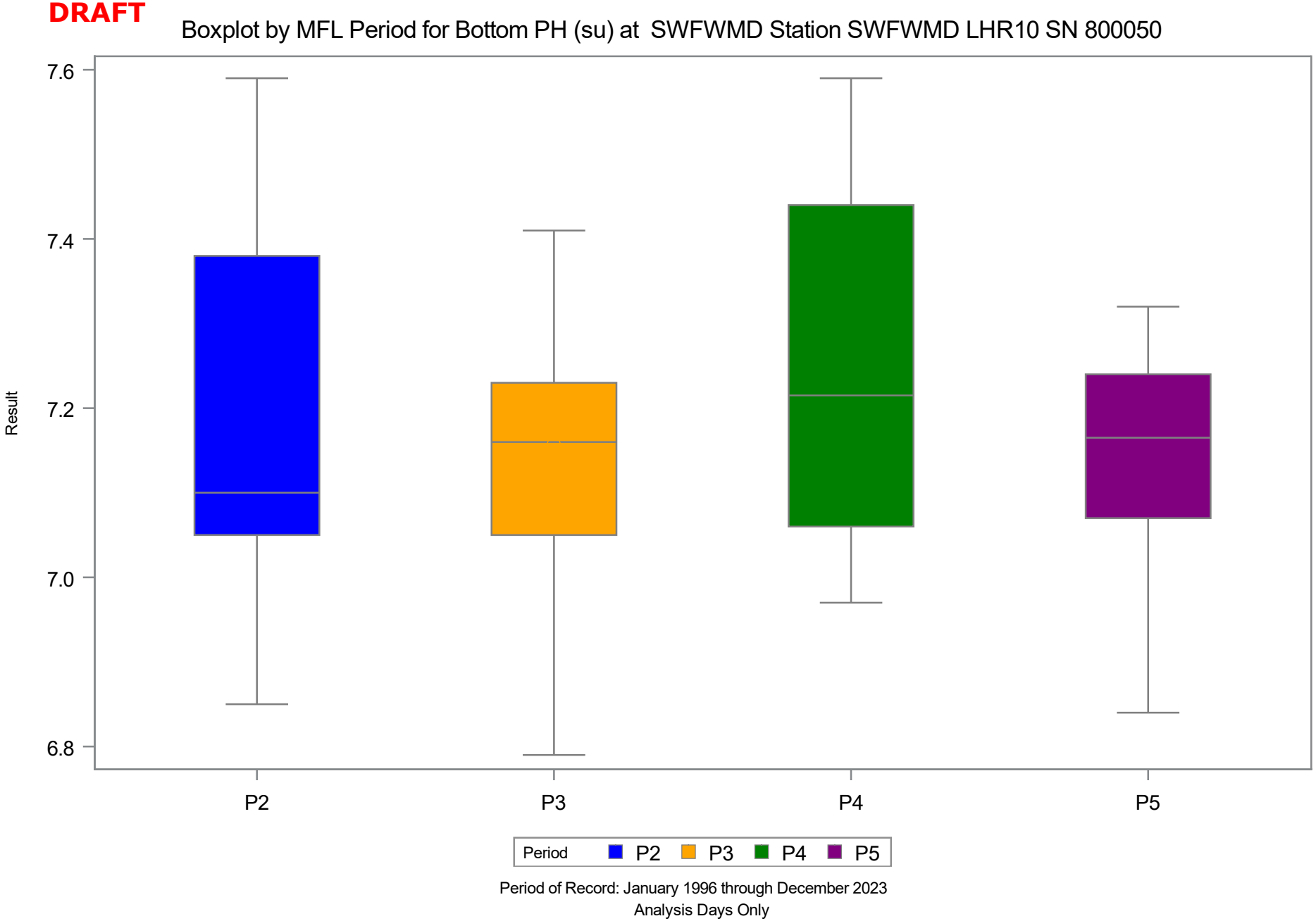
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050**

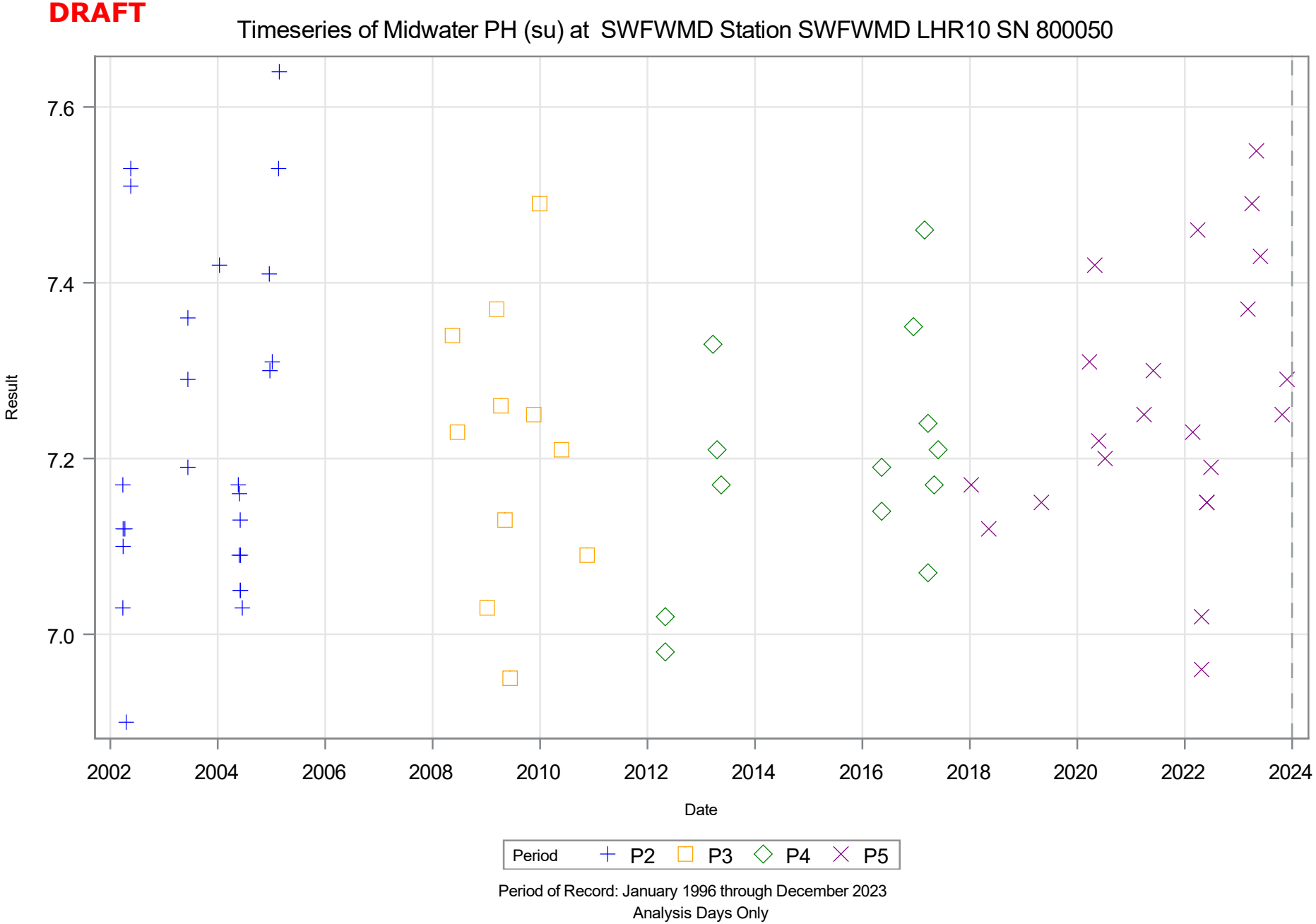
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.85	7.05	7.21	7.10	7.38	7.59
P3	15	6.79	7.05	7.16	7.16	7.23	7.41
P4	14	6.97	7.06	7.25	7.22	7.44	7.59
P5	22	6.84	7.07	7.14	7.17	7.24	7.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

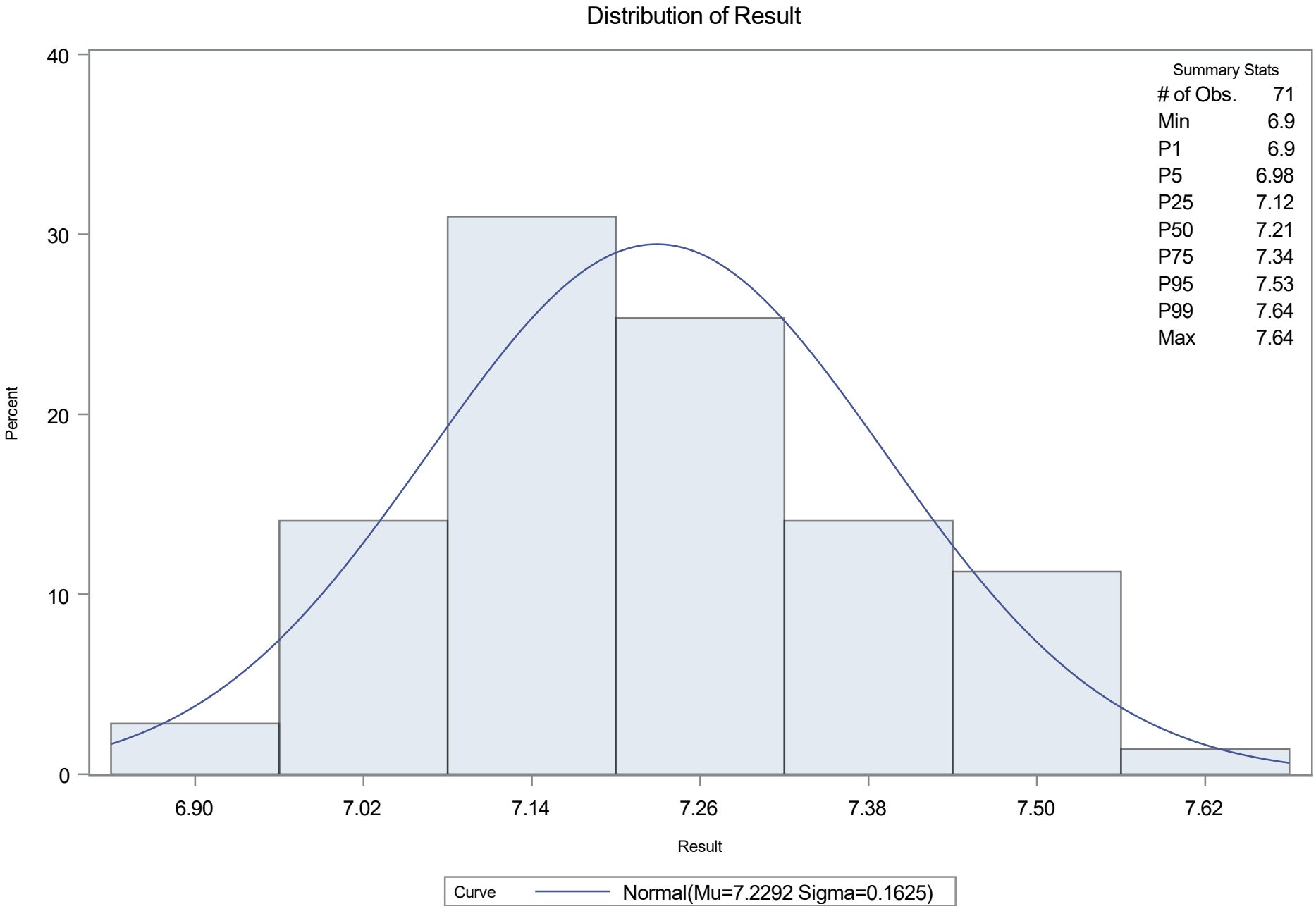

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.229155
Std Dev	Sigma	0.162549

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08278282	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08805377	**Pr > W-Sq**	0.164
Anderson-Darling	**A-Sq**	0.50888913	**Pr > A-Sq**	0.201

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.90000	6.85101
5.0	6.98000	6.96179
10.0	7.03000	7.02084
25.0	7.12000	7.11952
50.0	7.21000	7.22915
75.0	7.34000	7.33879
90.0	7.46000	7.43747
95.0	7.53000	7.49652
99.0	7.64000	7.60730

Period of Record: January 1996 through December 2023
Analysis Days Only

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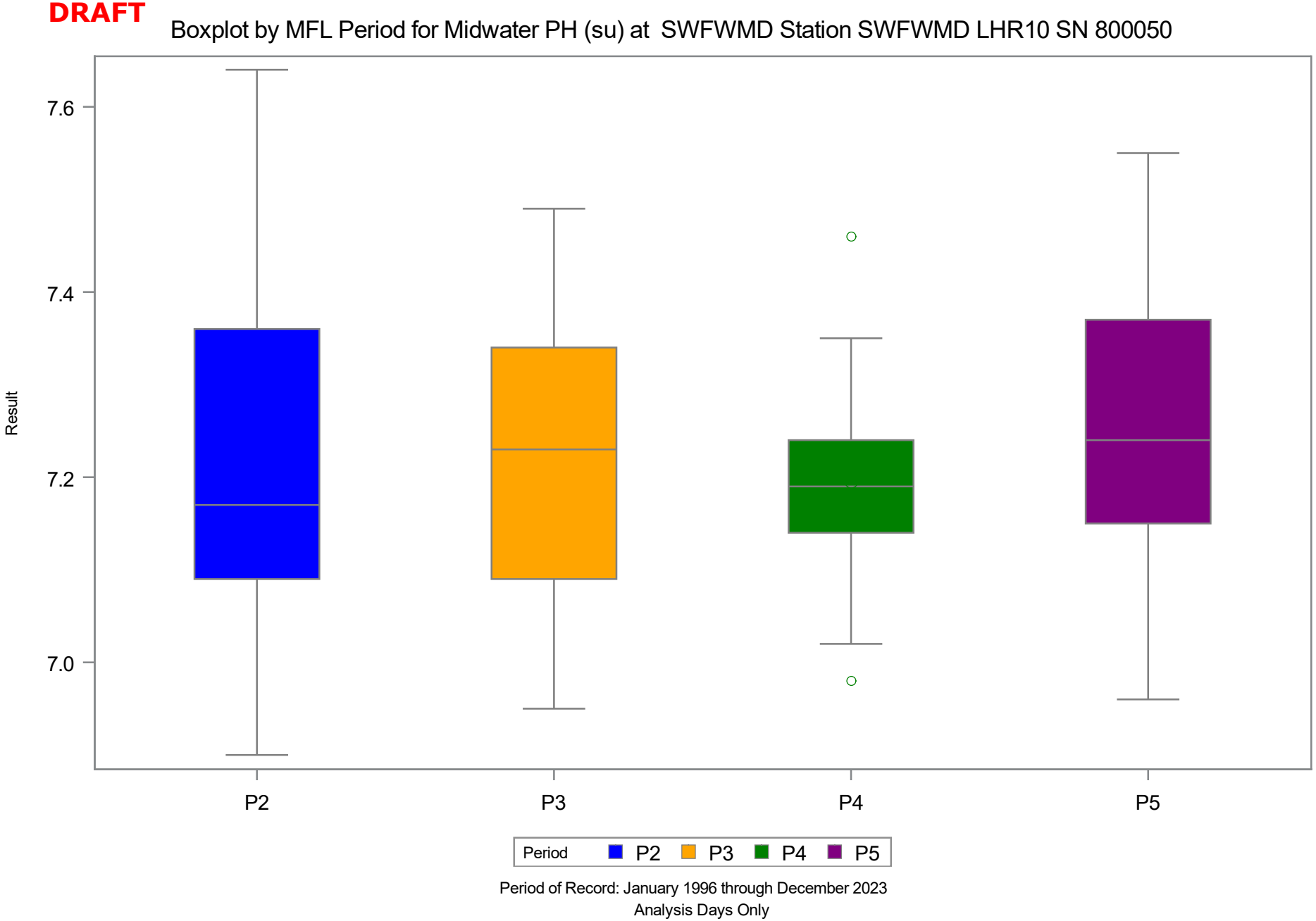
Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050

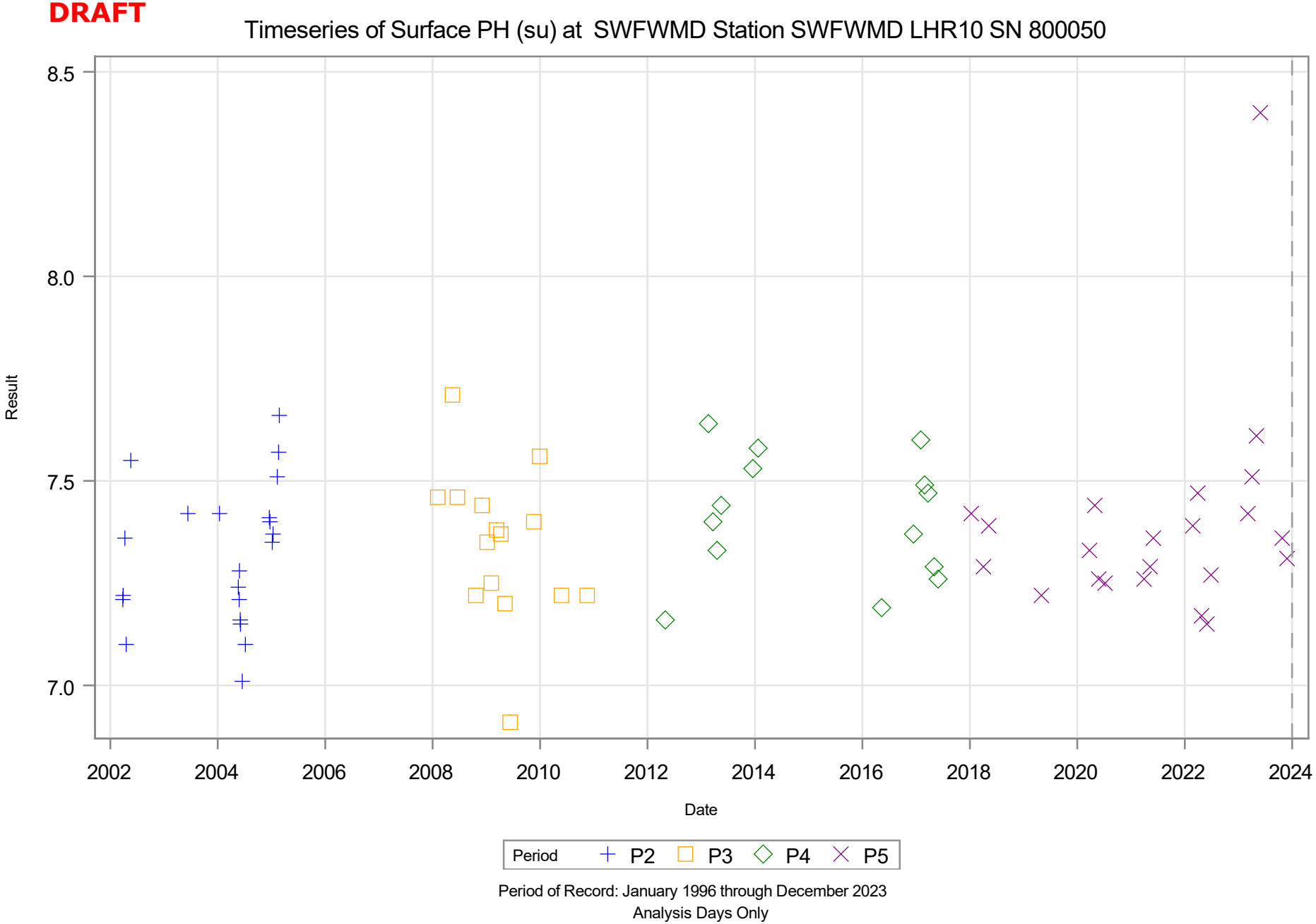
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	6.90	7.09	7.23	7.17	7.36	7.64
P3	11	6.95	7.09	7.21	7.23	7.34	7.49
P4	13	6.98	7.14	7.20	7.19	7.24	7.46
P5	22	6.96	7.15	7.26	7.24	7.37	7.55

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

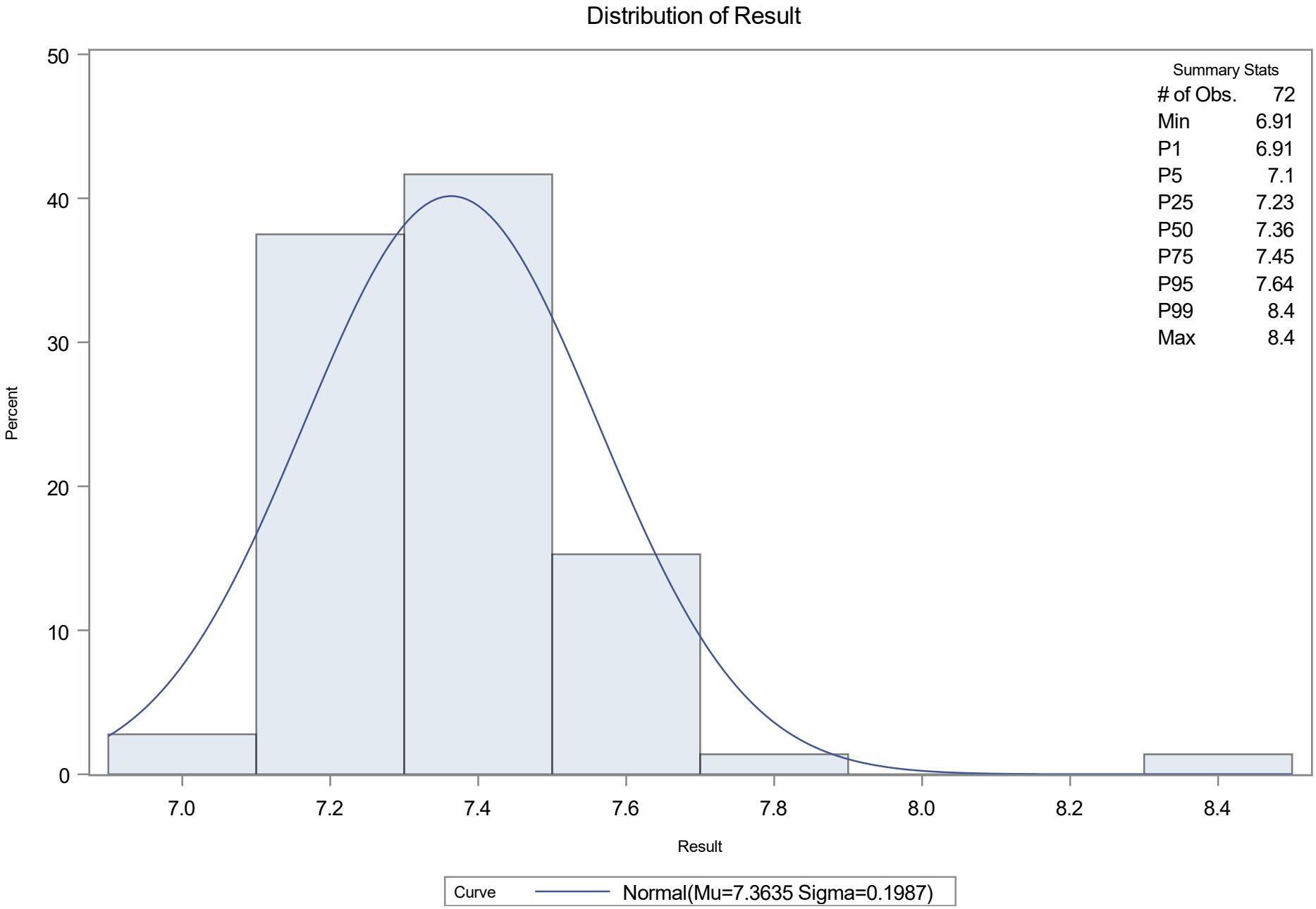

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050
8.5
8.0
7.5
7.0
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.363472
Std Dev	Sigma	0.198694

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10148654	**Pr > D**	0.066
Cramer-von Mises	**W-Sq**	0.15938072	**Pr > W-Sq**	0.019
Anderson-Darling	**A-Sq**	1.18442563	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.91000	6.90124
5.0	7.10000	7.03665
10.0	7.16000	7.10884
25.0	7.23000	7.22946
50.0	7.36000	7.36347
75.0	7.45000	7.49749
90.0	7.57000	7.61811
95.0	7.64000	7.69029
99.0	8.40000	7.82570

Period of Record: January 1996 through December 2023
Analysis Days Only

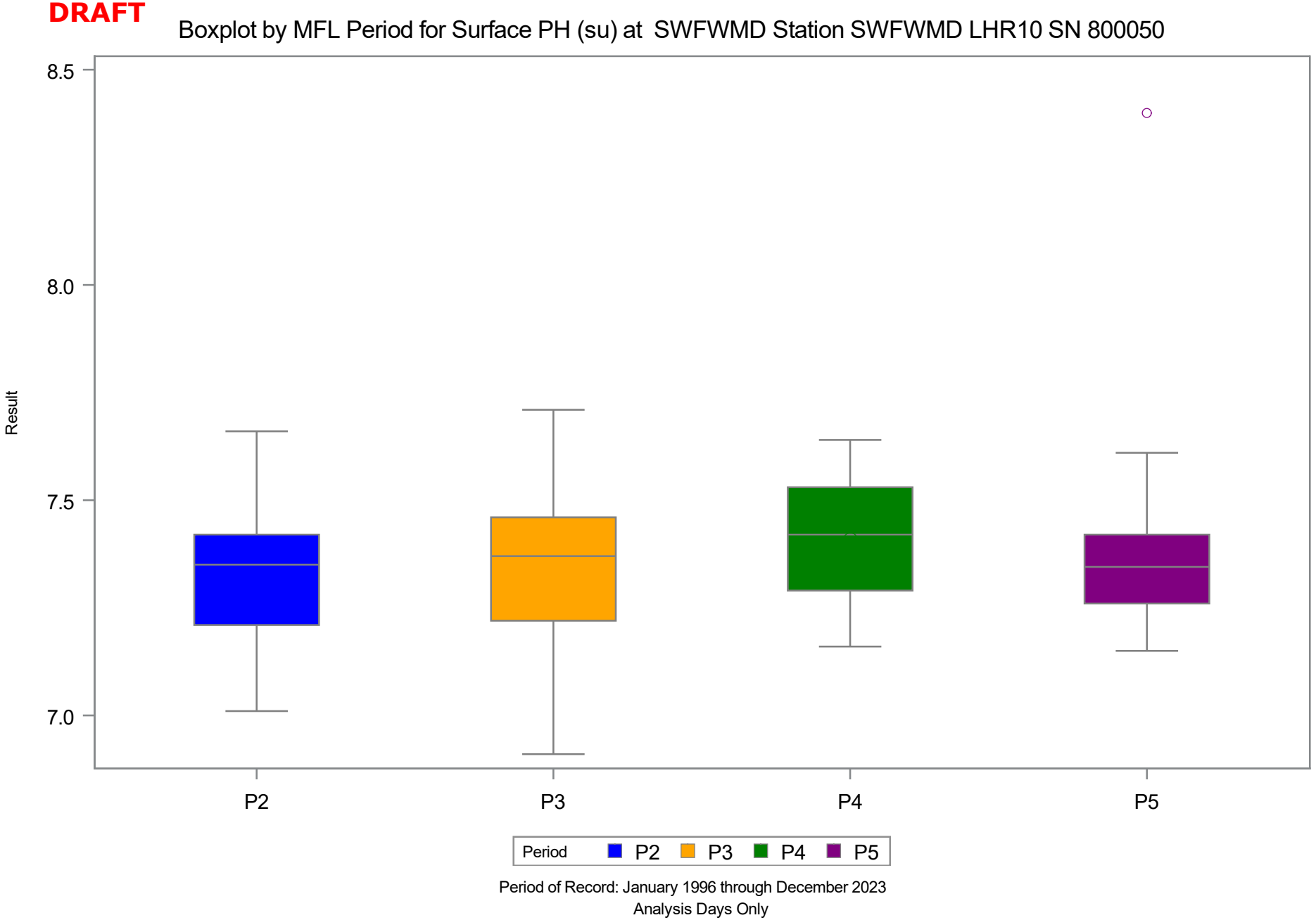
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050

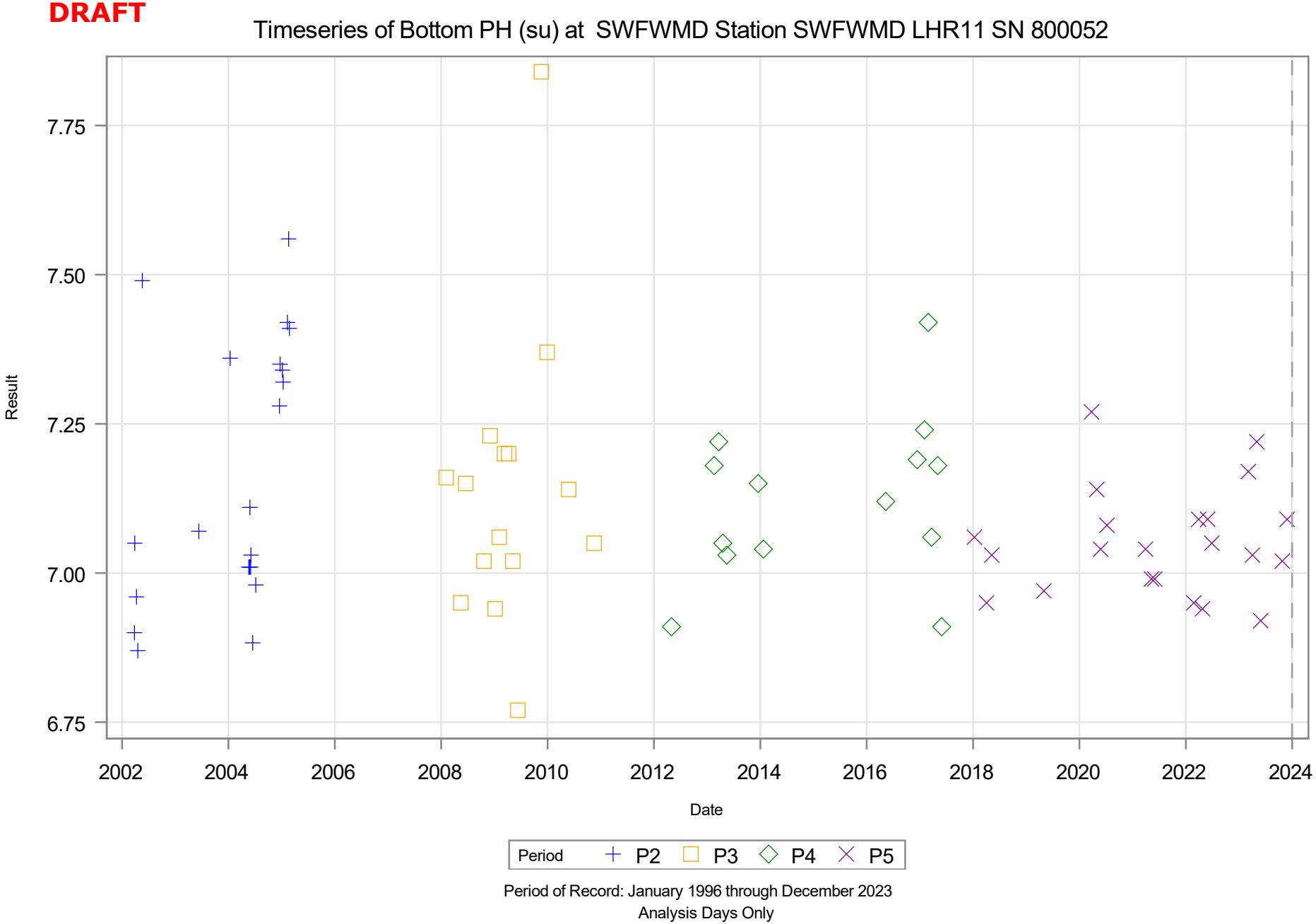
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	7.01	7.21	7.32	7.35	7.42	7.66
P3	15	6.91	7.22	7.34	7.37	7.46	7.71
P4	14	7.16	7.29	7.41	7.42	7.53	7.64
P5	22	7.15	7.26	7.39	7.35	7.42	8.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

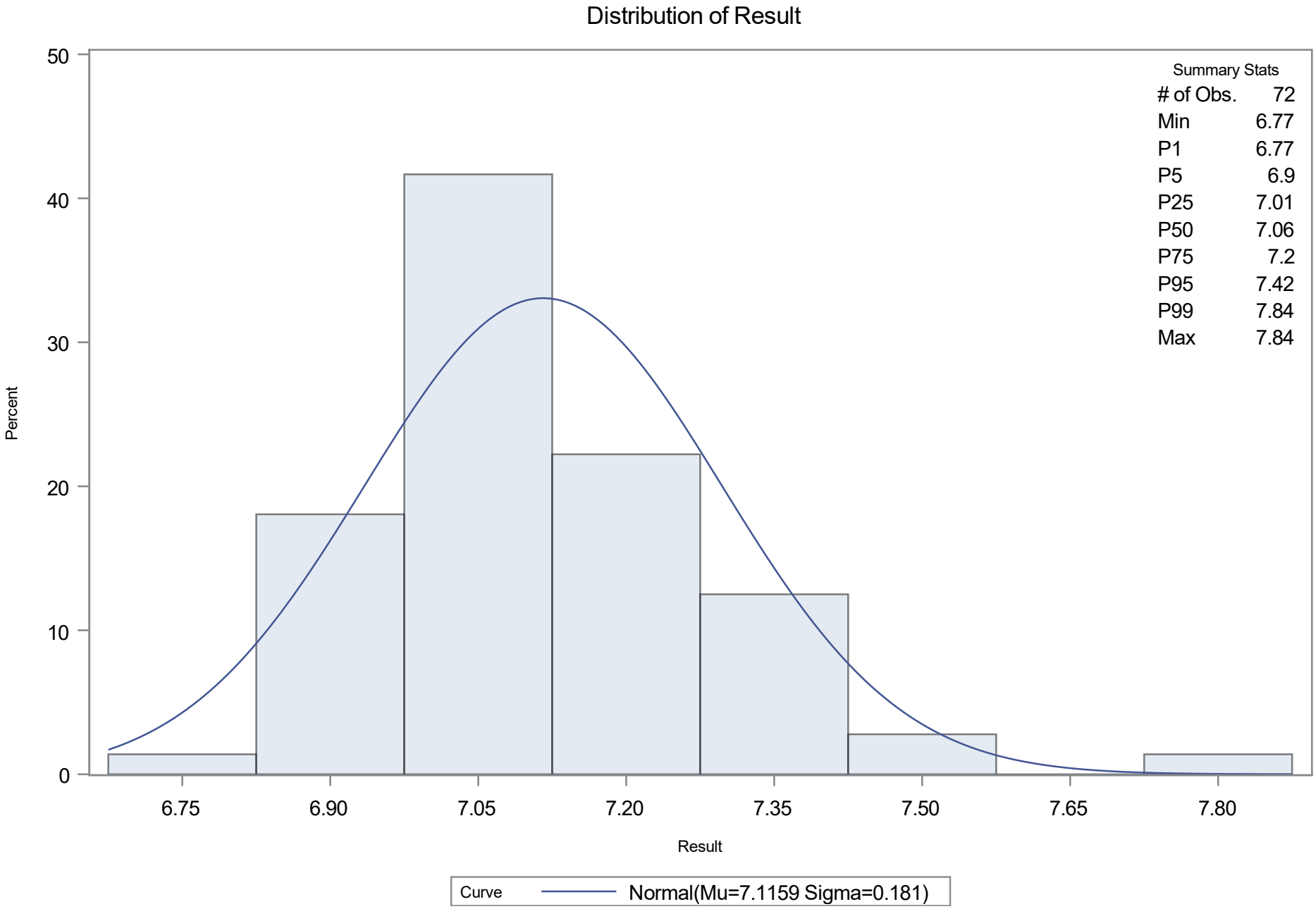

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR10 SN 800050
8.5
8.0
7.5
7.0
Result
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
7.75
7.50
7.25
7.00
6.75
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.115875
Std Dev	Sigma	0.180973

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14017913	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29186425	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.61940755	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.77000	6.69487
5.0	6.90000	6.81820
10.0	6.94000	6.88395
25.0	7.01000	6.99381
50.0	7.06000	7.11588
75.0	7.20000	7.23794
90.0	7.36000	7.34780
95.0	7.42000	7.41355
99.0	7.84000	7.53688

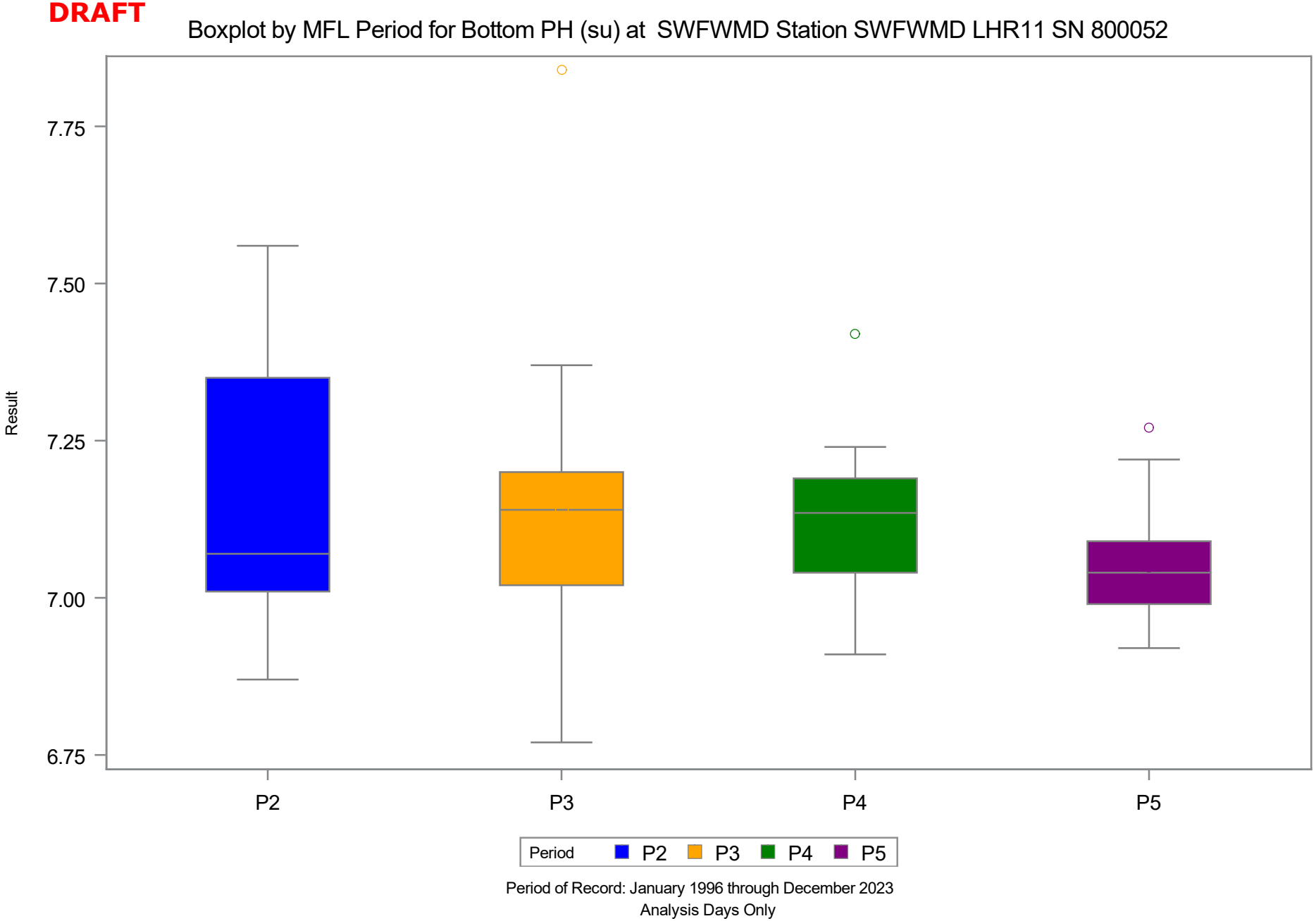
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052**

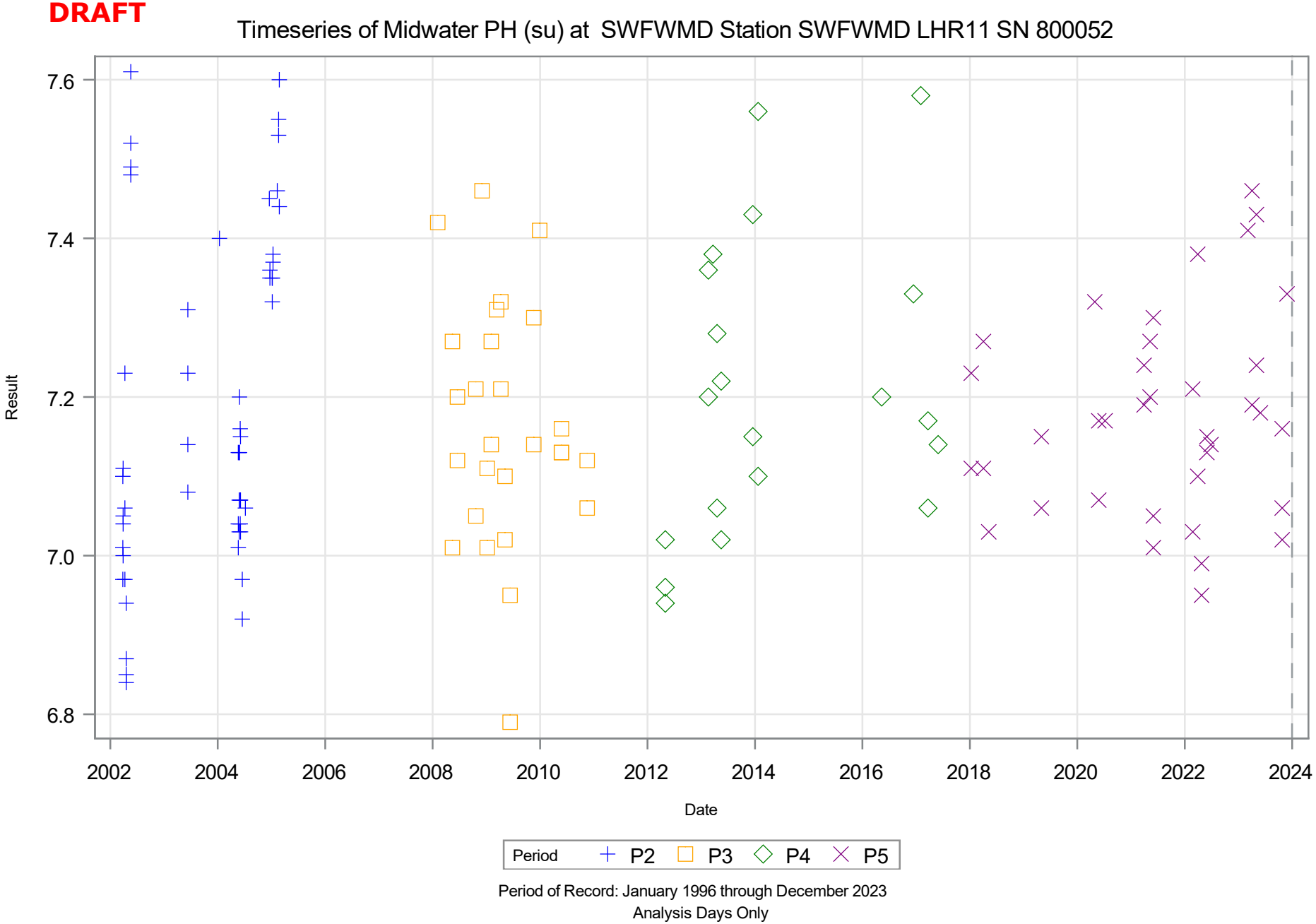
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.87	7.01	7.16	7.07	7.35	7.56
P3	15	6.77	7.02	7.14	7.14	7.20	7.84
P4	14	6.91	7.04	7.12	7.14	7.19	7.42
P5	22	6.92	6.99	7.05	7.04	7.09	7.27

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

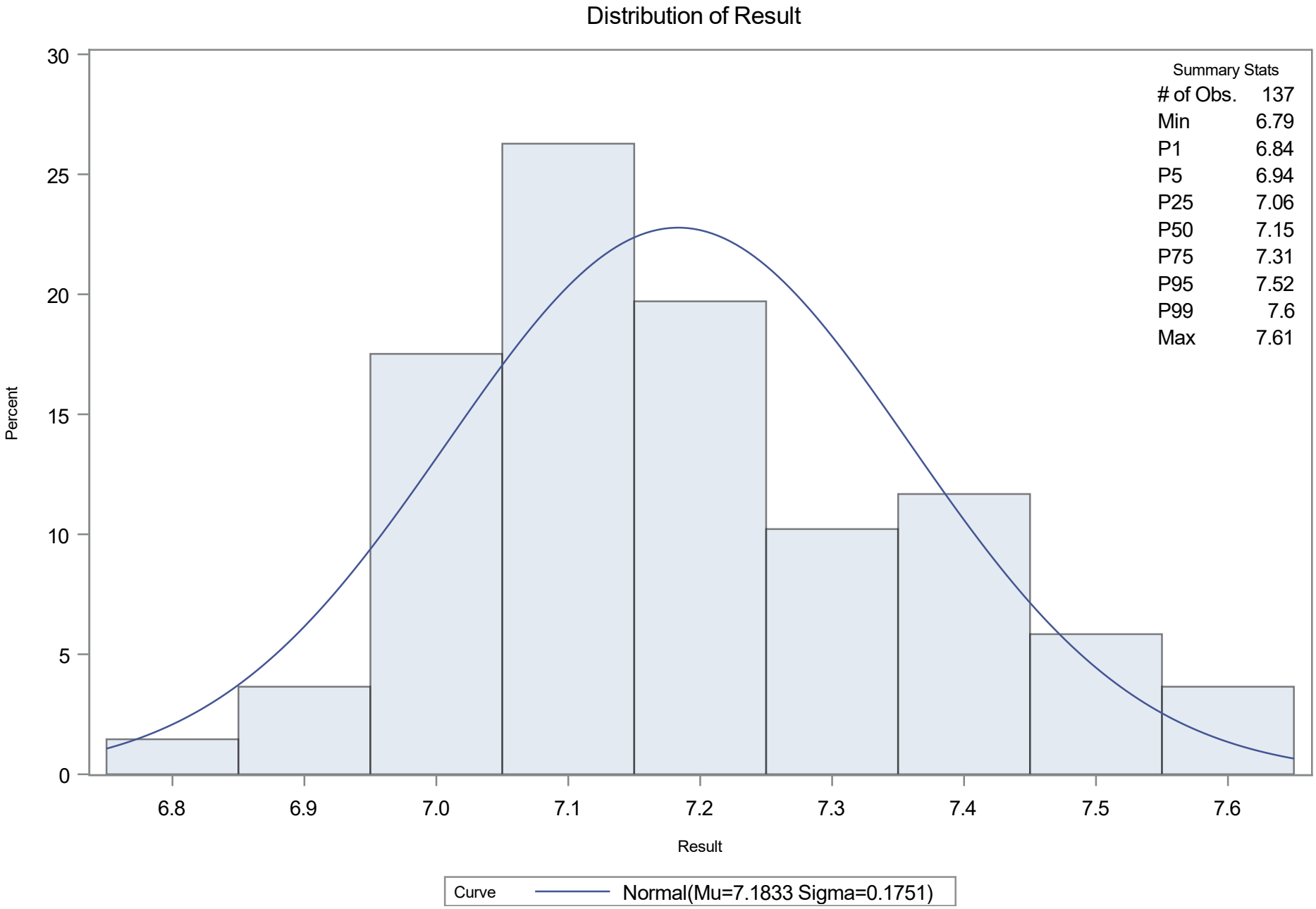

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
7.75
7.50
7.25
7.00
6.75
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.183285
Std Dev	Sigma	0.175147

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09360850	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25796743	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.41035720	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.84000	6.77583
5.0	6.94000	6.89519
10.0	6.99000	6.95882
25.0	7.06000	7.06515
50.0	7.15000	7.18328
75.0	7.31000	7.30142
90.0	7.44000	7.40775
95.0	7.52000	7.47138
99.0	7.60000	7.59074

Period of Record: January 1996 through December 2023
Analysis Days Only

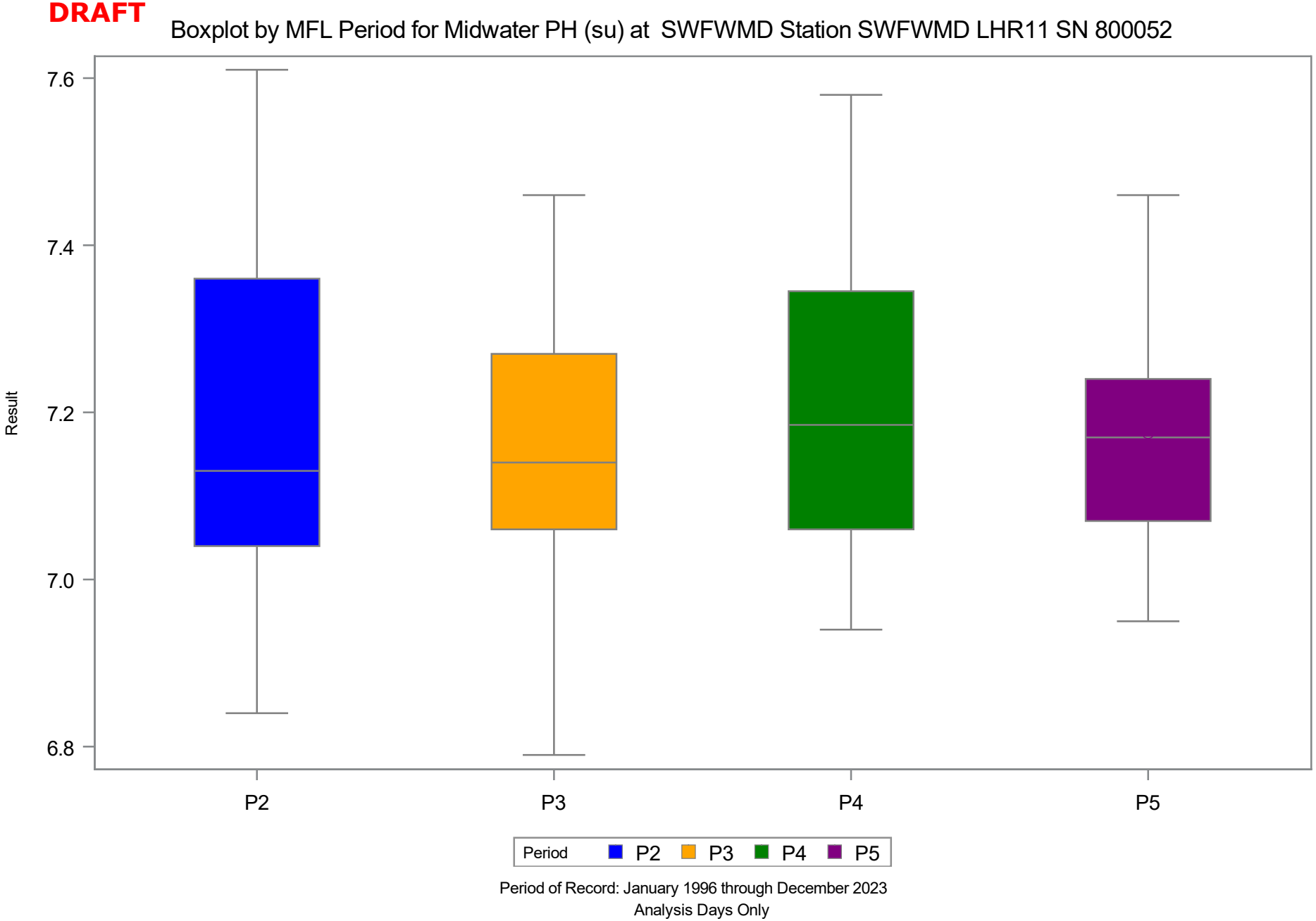
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052

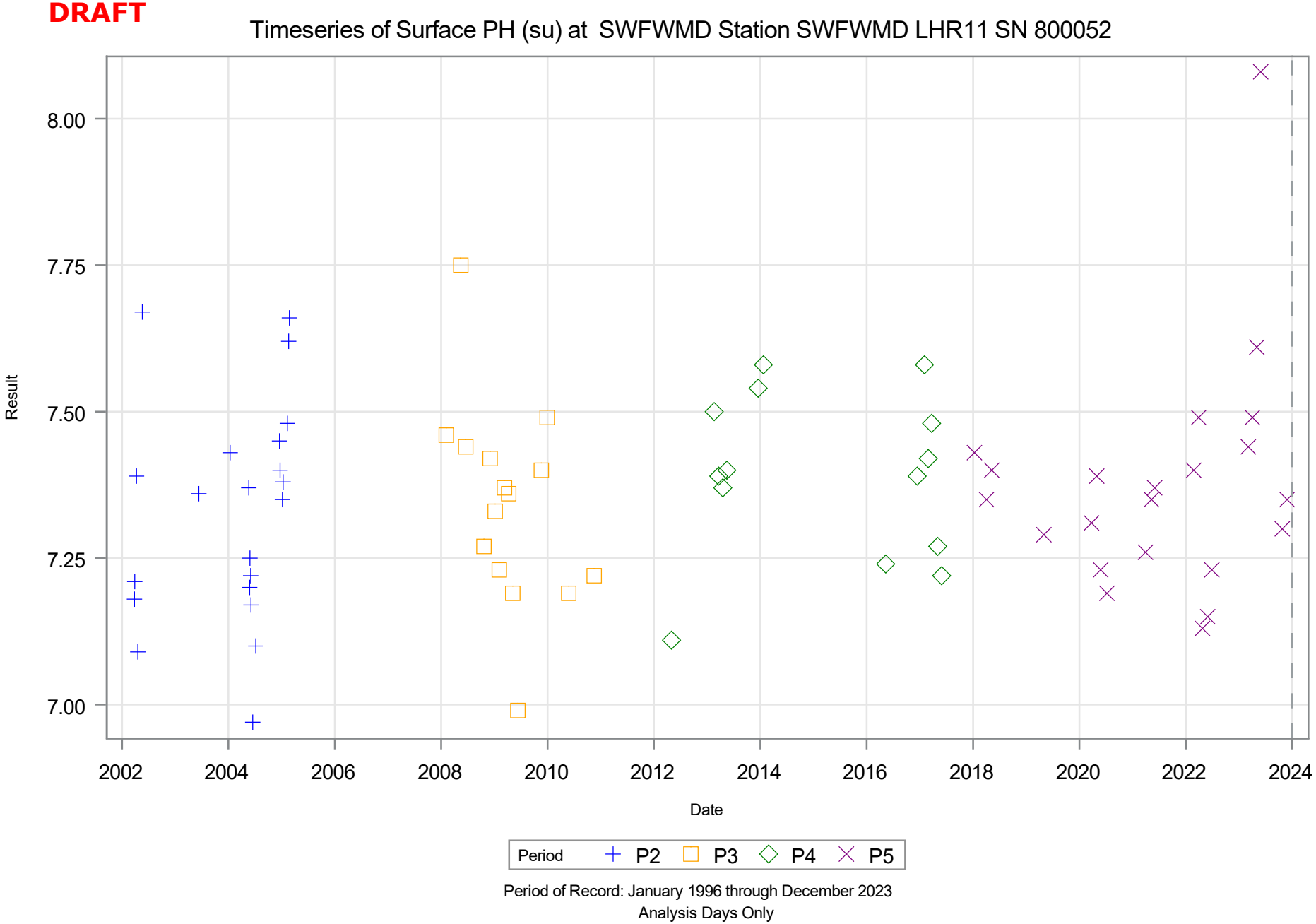
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	53	6.84	7.04	7.19	7.13	7.36	7.61
P3	27	6.79	7.06	7.16	7.14	7.27	7.46
P4	20	6.94	7.06	7.21	7.19	7.35	7.58
P5	37	6.95	7.07	7.18	7.17	7.24	7.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

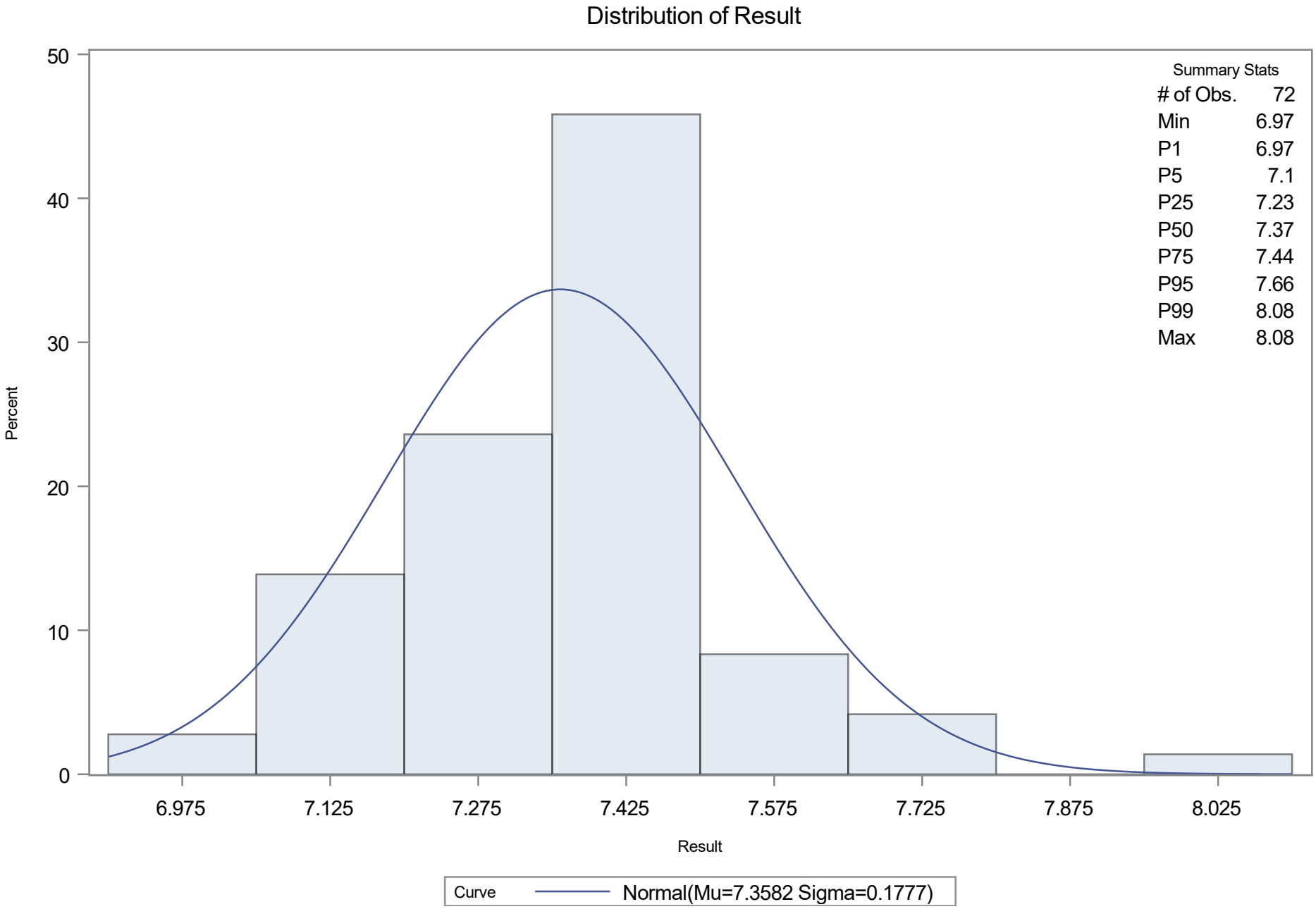

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
8.00
7.75
7.50
7.25
7.00
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.358194
Std Dev	Sigma	0.177695

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09023022	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.11545179	**Pr > W-Sq**	0.072
Anderson-Darling	**A-Sq**	0.71049532	**Pr > A-Sq**	0.064

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.97000	6.94481
5.0	7.10000	7.06591
10.0	7.17000	7.13047
25.0	7.23000	7.23834
50.0	7.37000	7.35819
75.0	7.44000	7.47805
90.0	7.58000	7.58592
95.0	7.66000	7.65048
99.0	8.08000	7.77158

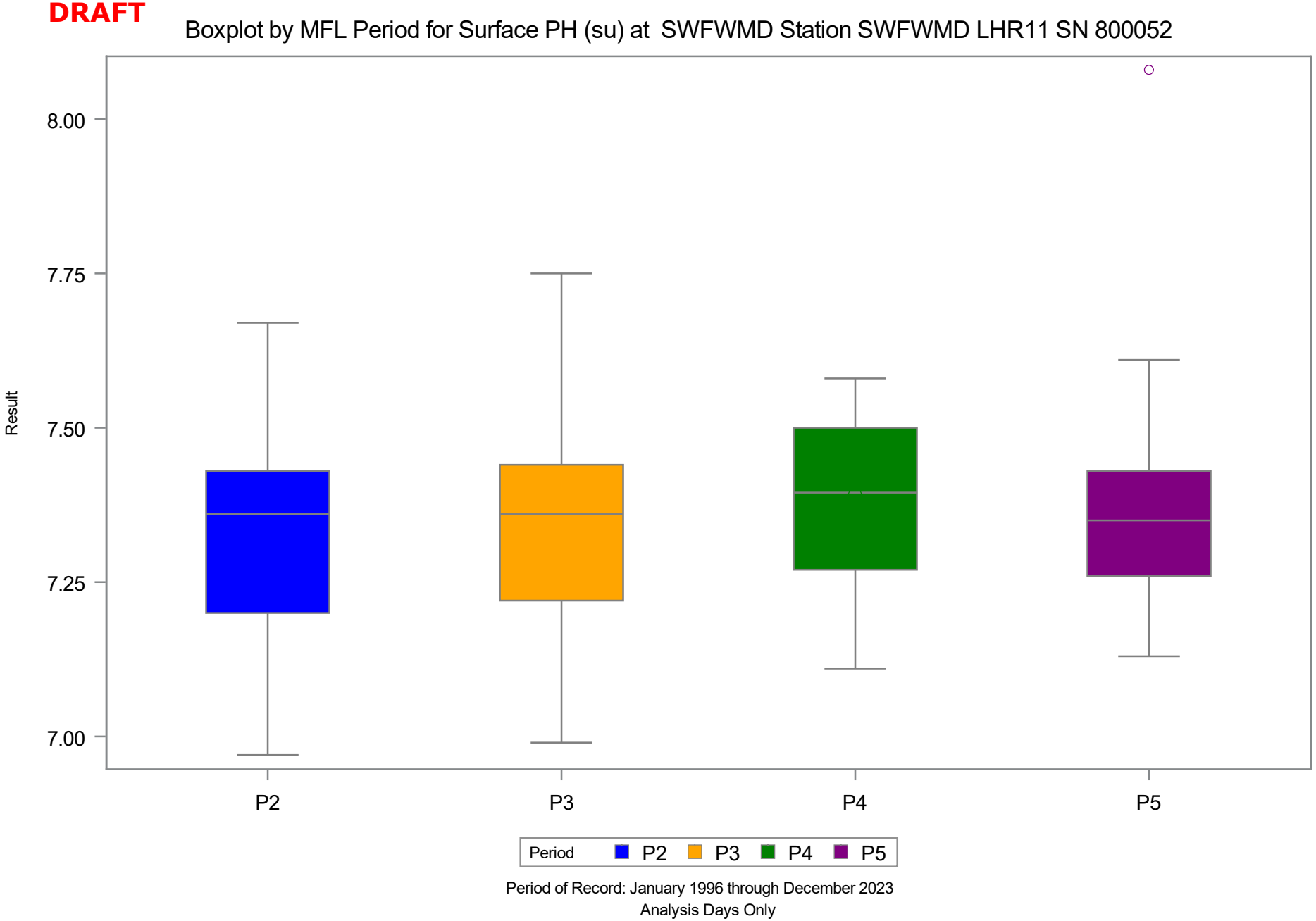
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052**

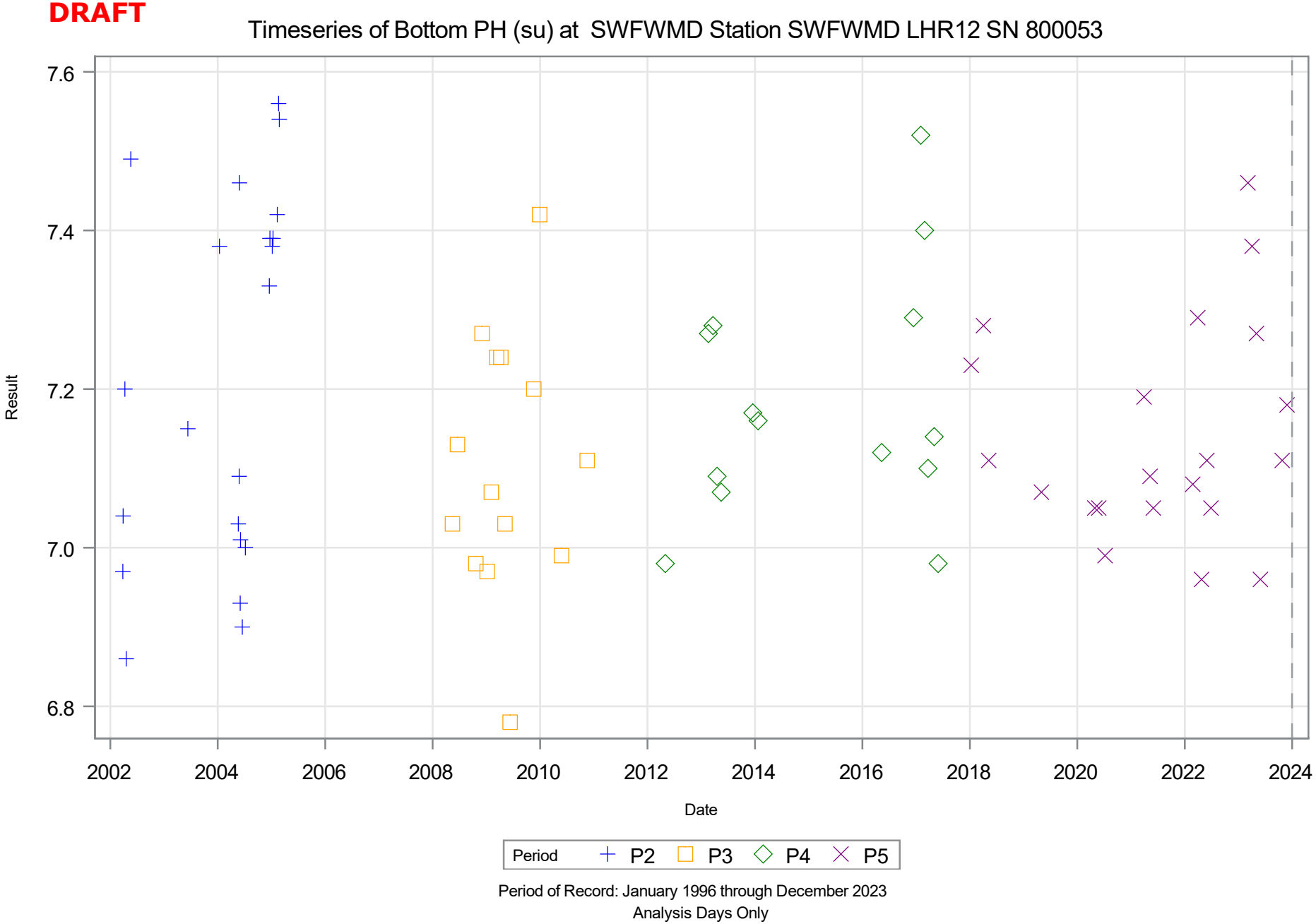
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.97	7.20	7.33	7.36	7.43	7.67
P3	15	6.99	7.22	7.34	7.36	7.44	7.75
P4	14	7.11	7.27	7.39	7.40	7.50	7.58
P5	22	7.13	7.26	7.37	7.35	7.43	8.08

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

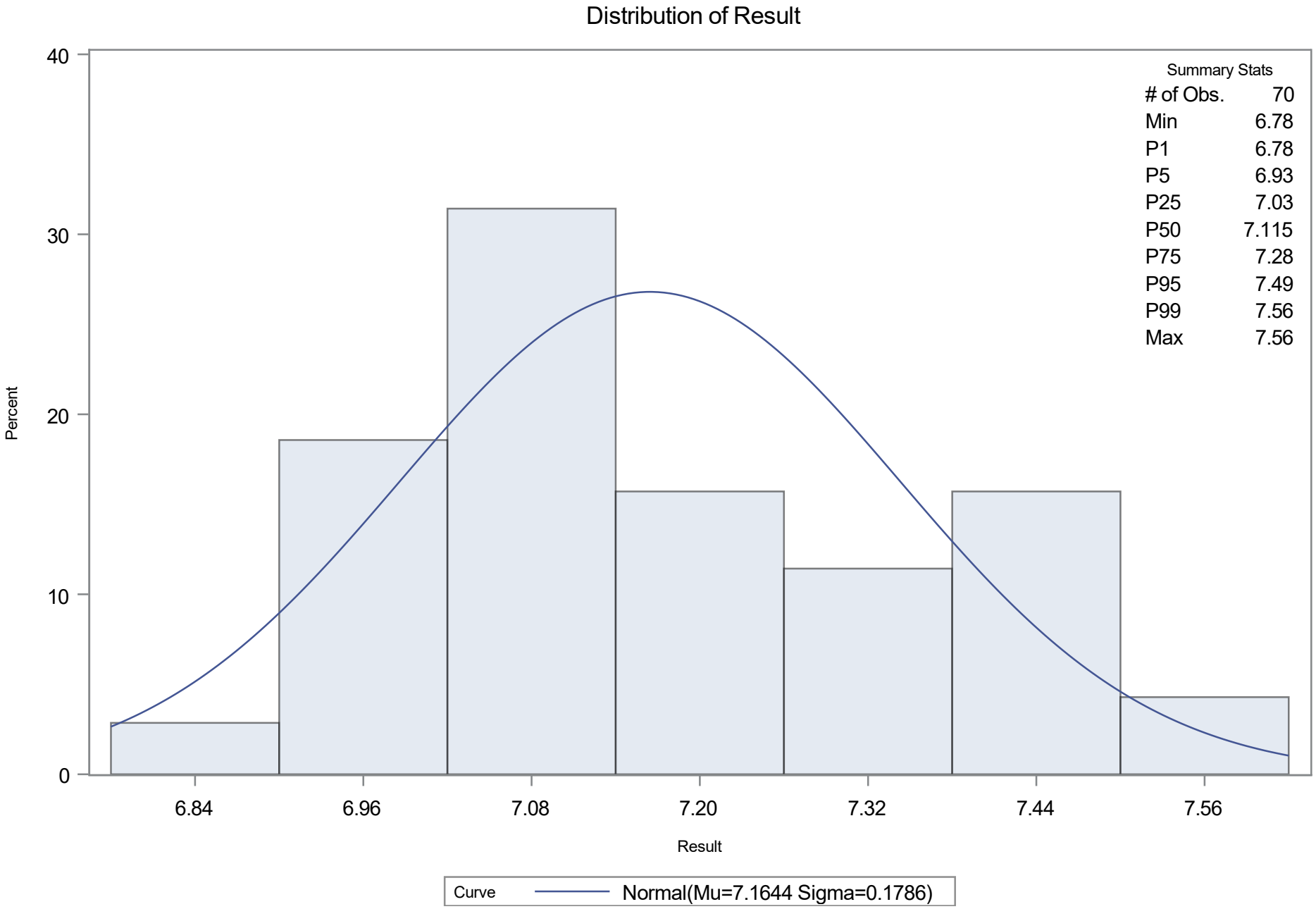

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
8.00
7.75
7.50
7.25
7.00
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.164429
Std Dev	Sigma	0.178607

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11971776	**Pr > D**	0.014
Cramer-von Mises	**W-Sq**	0.16971724	**Pr > W-Sq**	0.014
Anderson-Darling	**A-Sq**	0.96606581	**Pr > A-Sq**	0.015

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.78000	6.74893
5.0	6.93000	6.87065
10.0	6.97000	6.93553
25.0	7.03000	7.04396
50.0	7.11500	7.16443
75.0	7.28000	7.28490
90.0	7.42000	7.39332
95.0	7.49000	7.45821
99.0	7.56000	7.57993

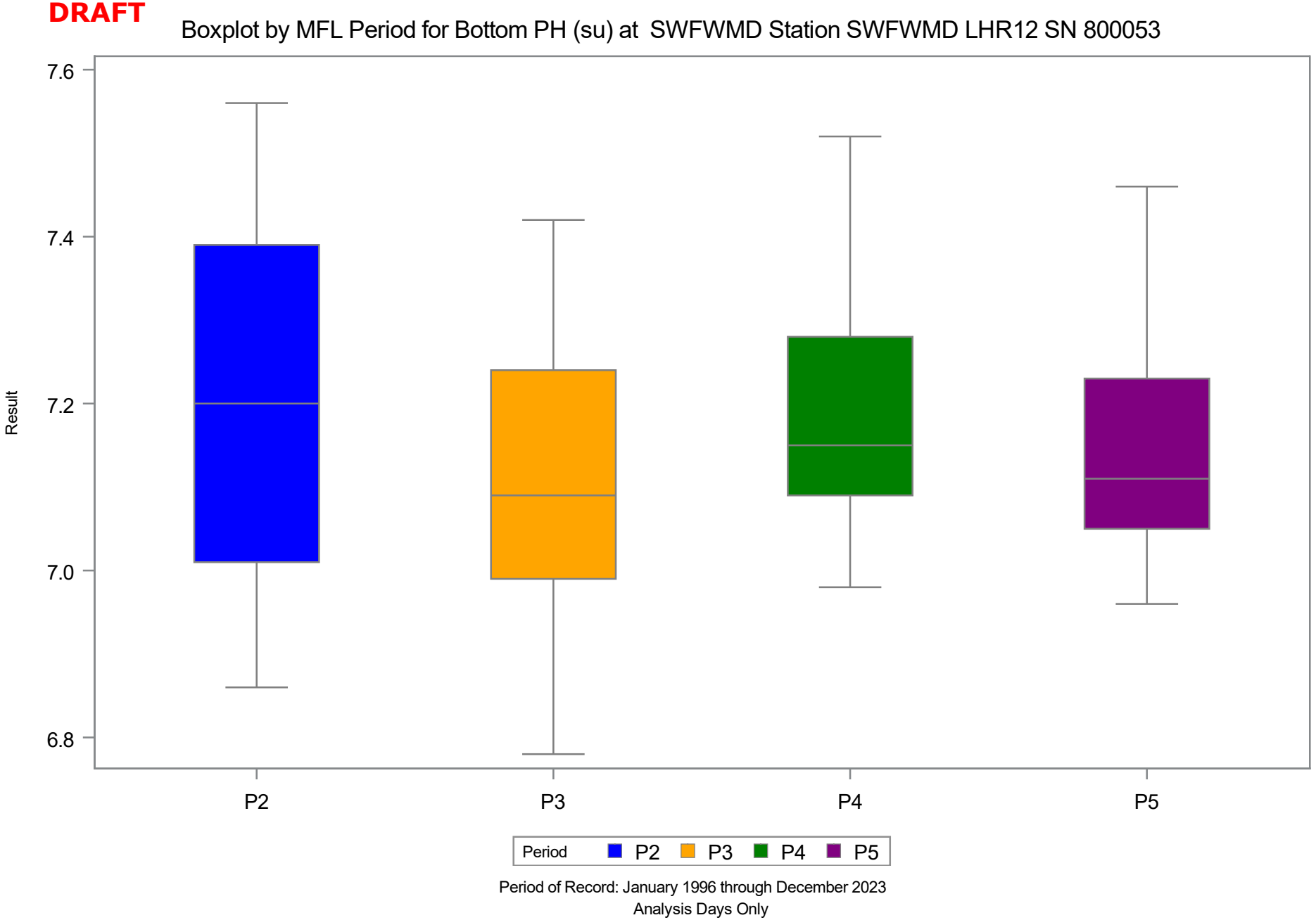
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053**

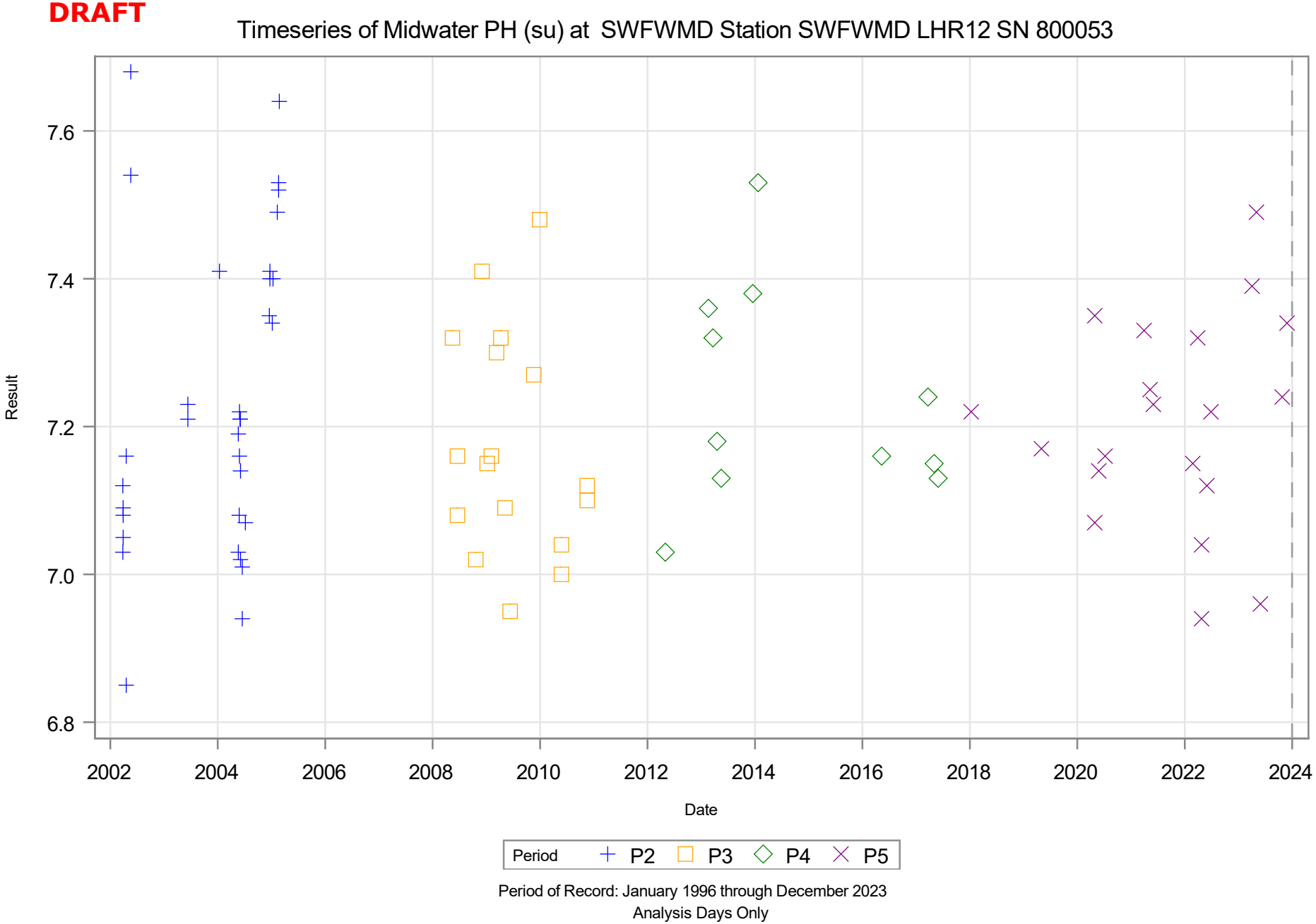
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.86	7.01	7.22	7.20	7.39	7.56
P3	14	6.78	6.99	7.10	7.09	7.24	7.42
P4	14	6.98	7.09	7.18	7.15	7.28	7.52
P5	21	6.96	7.05	7.14	7.11	7.23	7.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

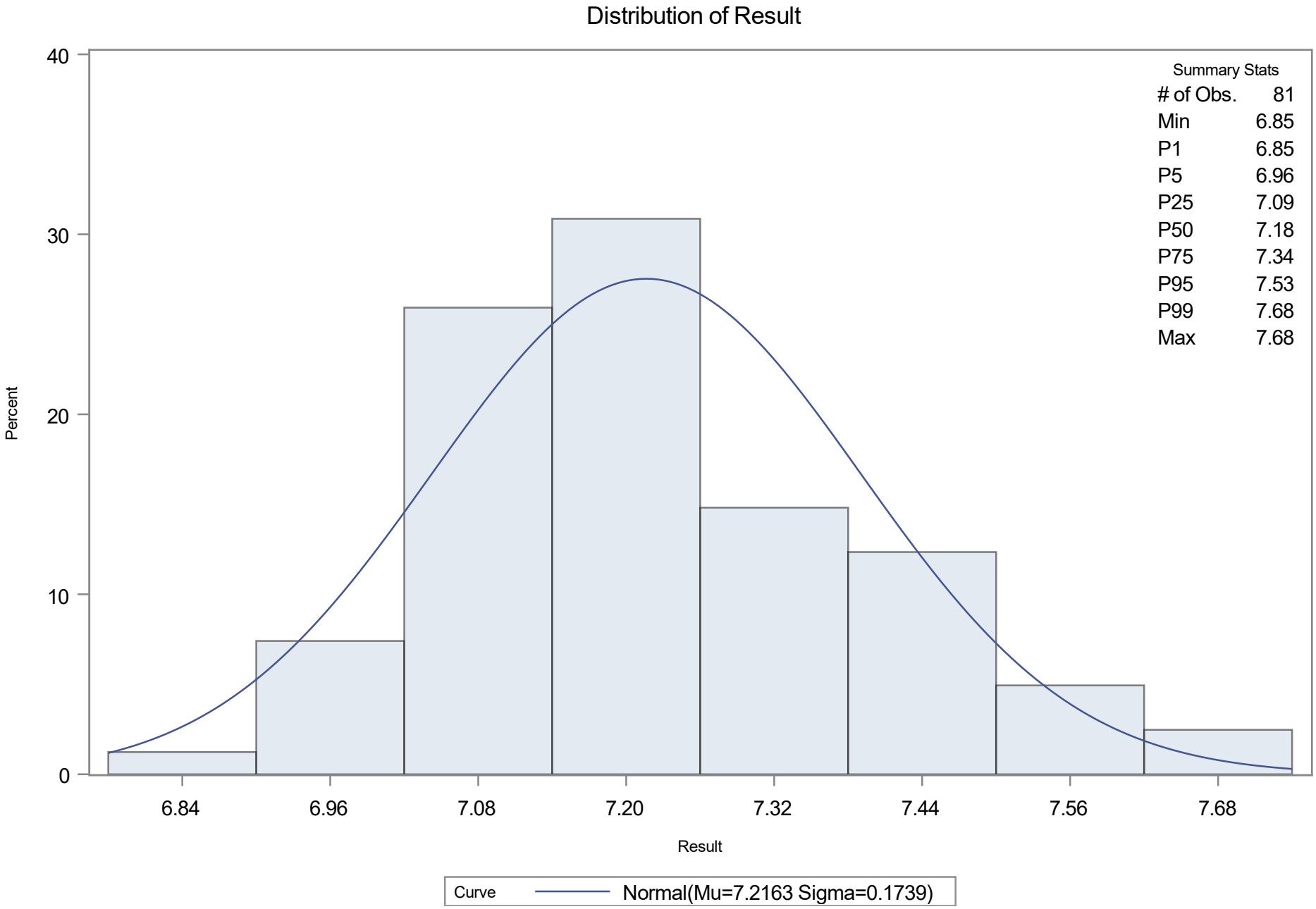

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.216296
Std Dev	Sigma	0.173885

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10841982	**Pr > D**	0.019
Cramer-von Mises	**W-Sq**	0.13421516	**Pr > W-Sq**	0.040
Anderson-Darling	**A-Sq**	0.74204811	**Pr > A-Sq**	0.051

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.85000	6.81178
5.0	6.96000	6.93028
10.0	7.02000	6.99345
25.0	7.09000	7.09901
50.0	7.18000	7.21630
75.0	7.34000	7.33358
90.0	7.48000	7.43914
95.0	7.53000	7.50231
99.0	7.68000	7.62081

Period of Record: January 1996 through December 2023
Analysis Days Only

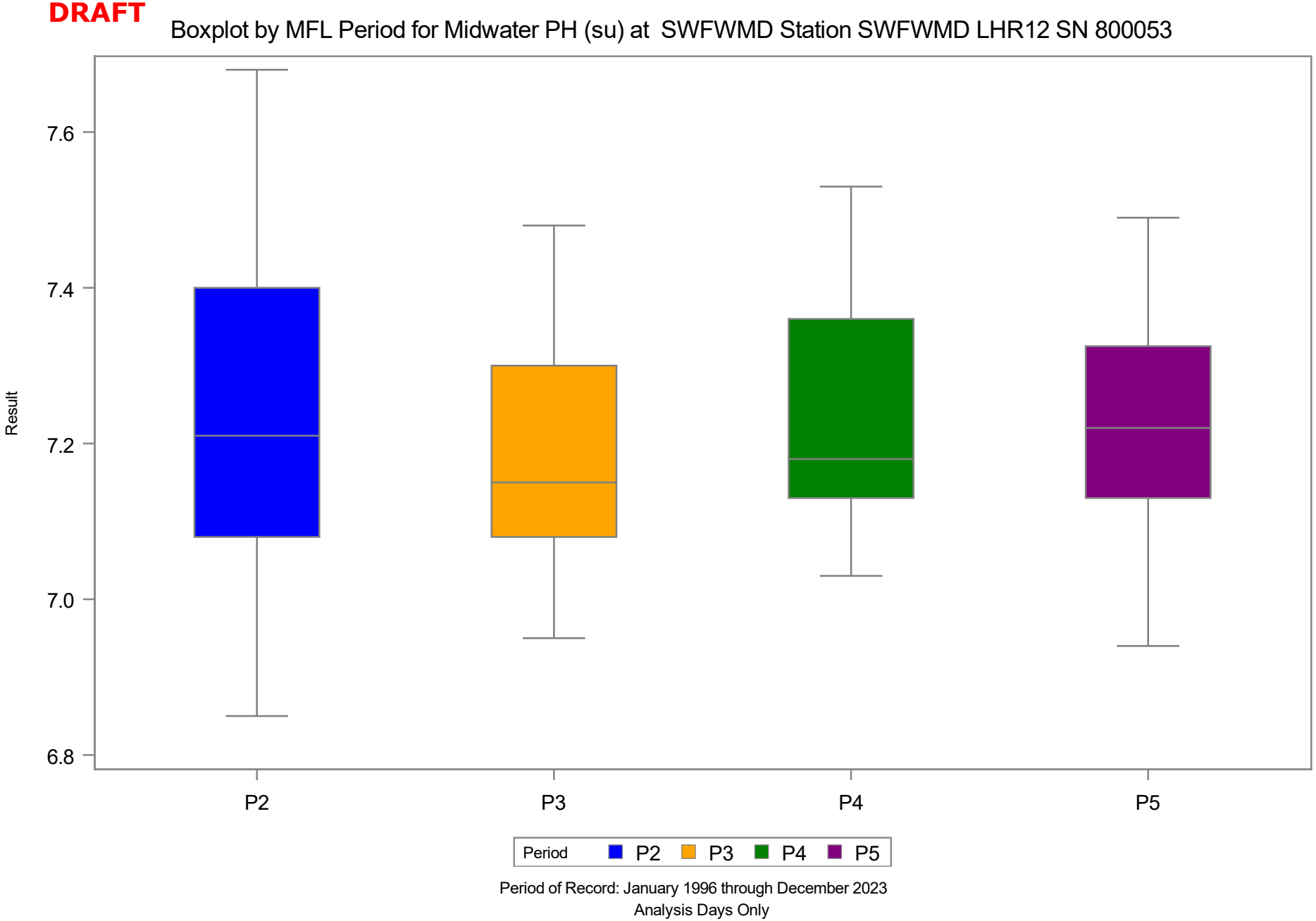
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053

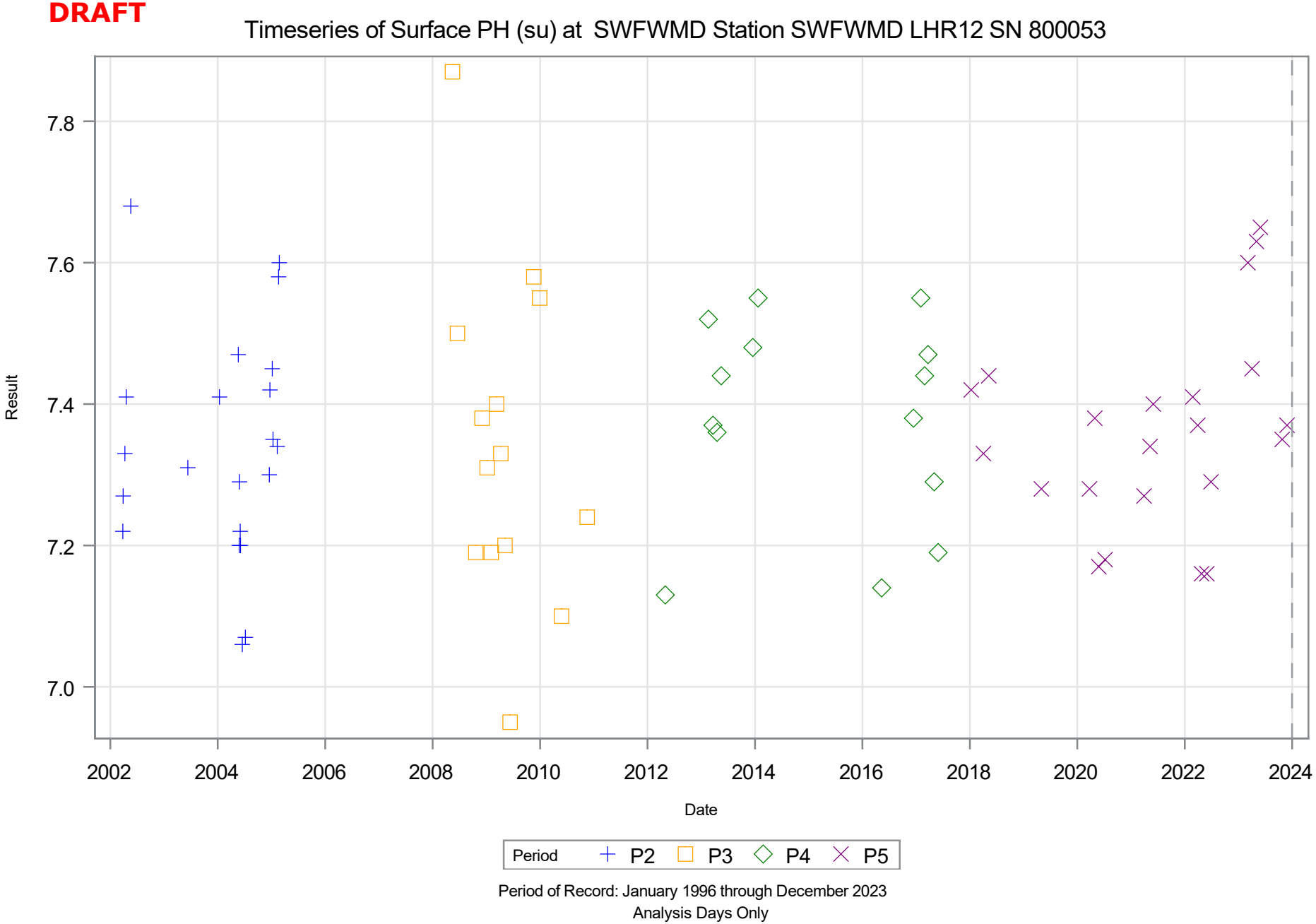
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	33	6.85	7.08	7.24	7.21	7.40	7.68
P3	17	6.95	7.08	7.17	7.15	7.30	7.48
P4	11	7.03	7.13	7.24	7.18	7.36	7.53
P5	20	6.94	7.13	7.21	7.22	7.33	7.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

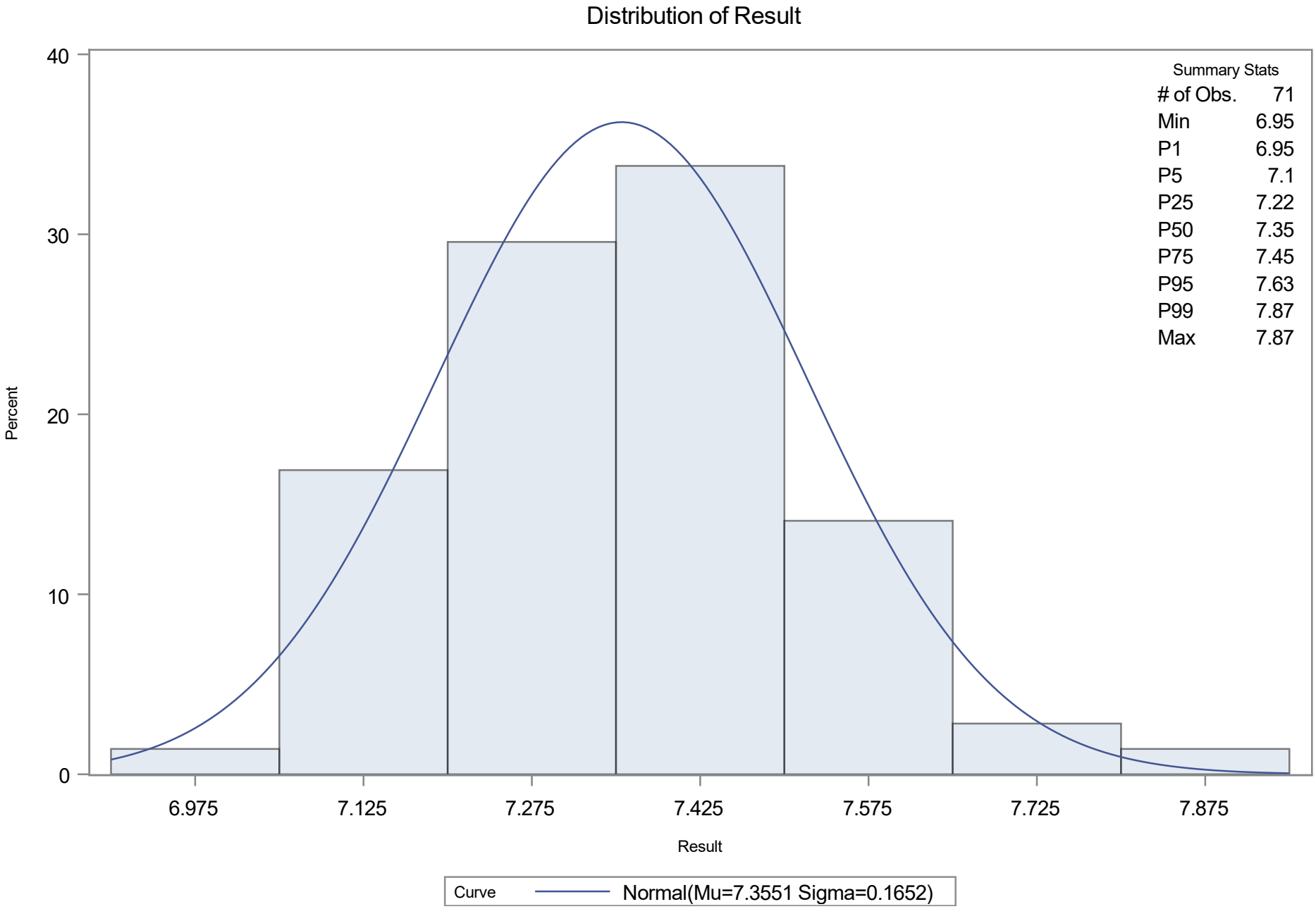

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.35507
Std Dev	Sigma	0.165157

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05736644	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03298002	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22594224	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.95000	6.97086
5.0	7.10000	7.08341
10.0	7.16000	7.14341
25.0	7.22000	7.24367
50.0	7.35000	7.35507
75.0	7.45000	7.46647
90.0	7.58000	7.56673
95.0	7.63000	7.62673
99.0	7.87000	7.73928

Period of Record: January 1996 through December 2023
Analysis Days Only

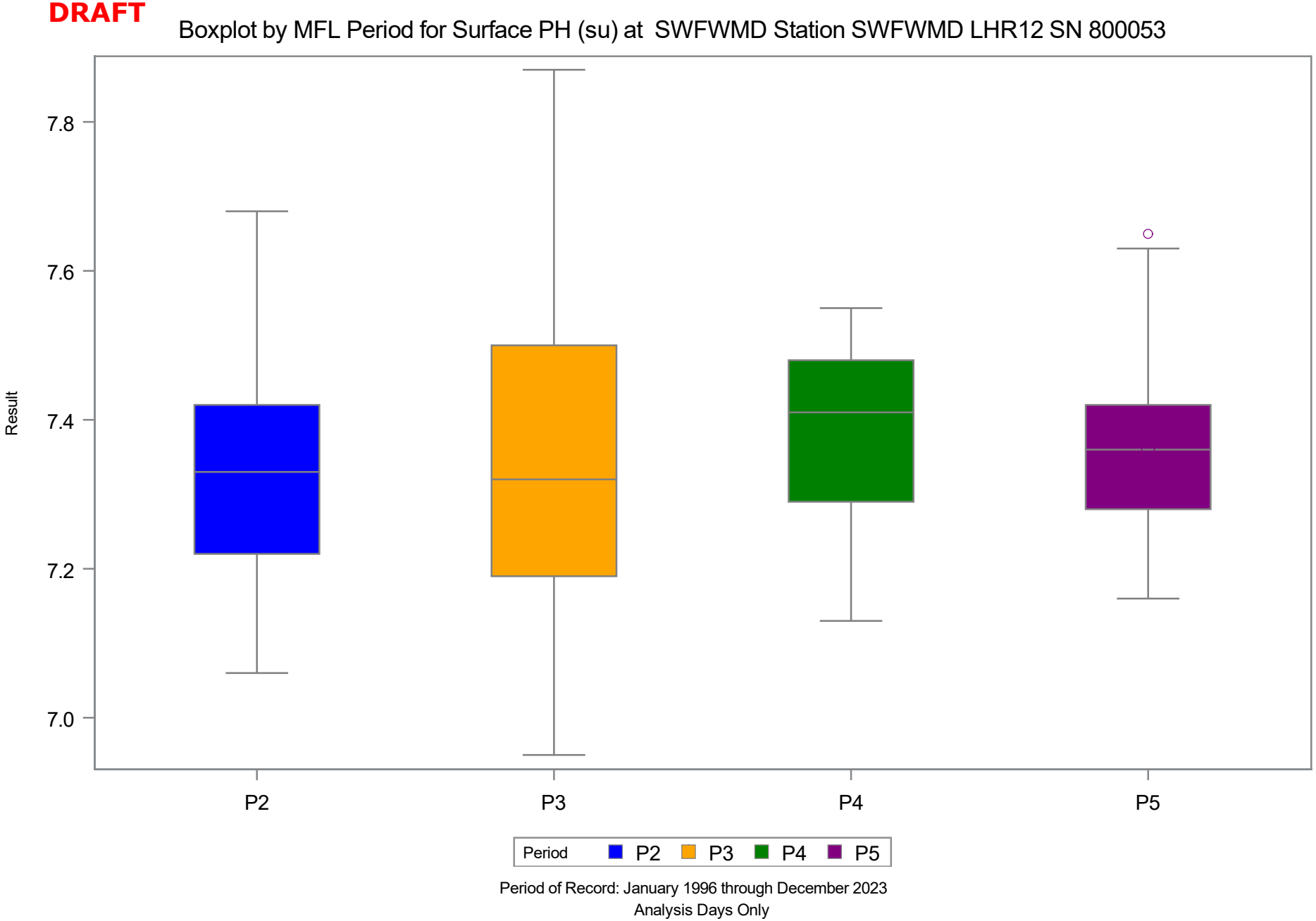
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053

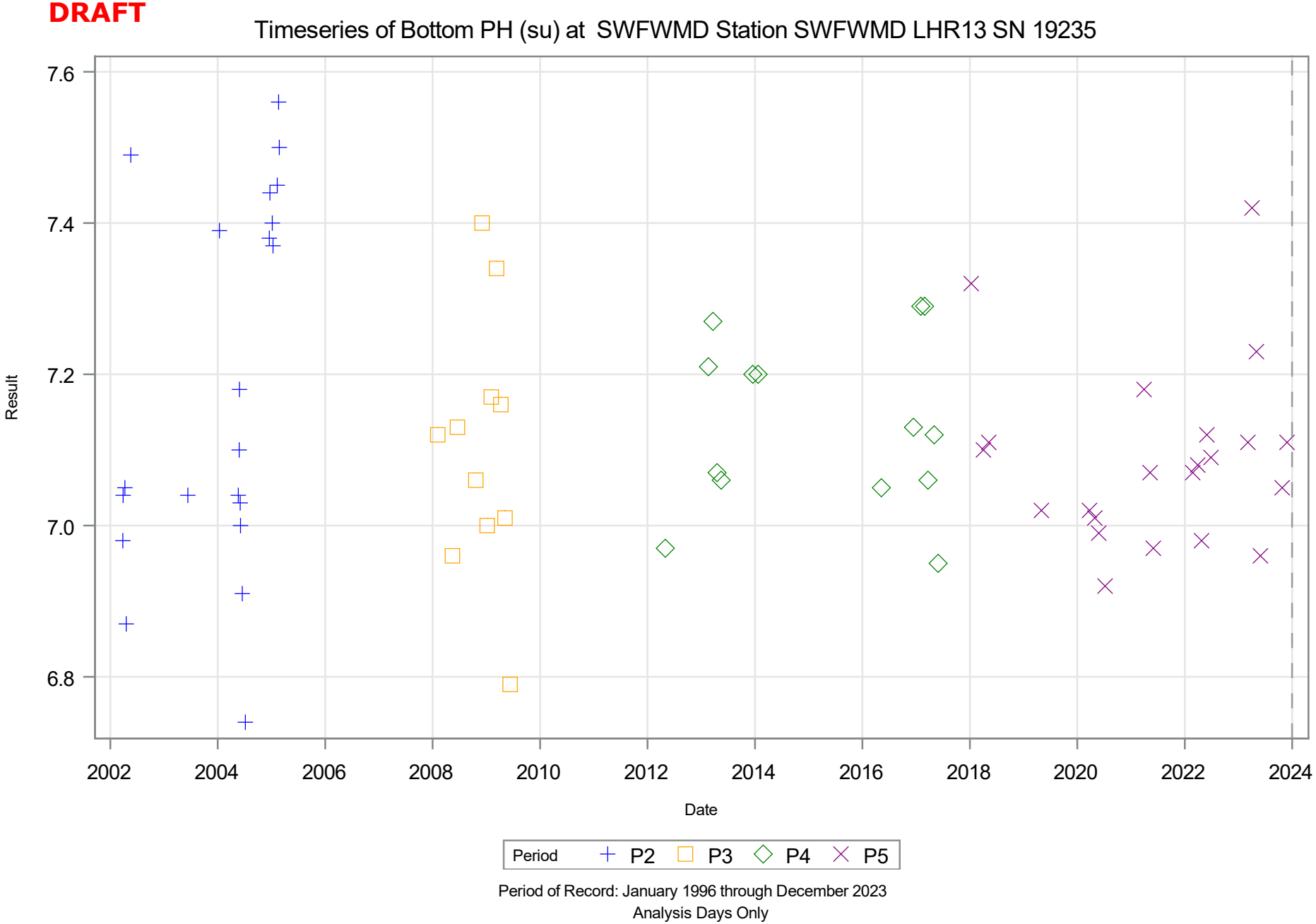
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	7.06	7.22	7.34	7.33	7.42	7.68
P3	14	6.95	7.19	7.34	7.32	7.50	7.87
P4	14	7.13	7.29	7.38	7.41	7.48	7.55
P5	22	7.16	7.28	7.36	7.36	7.42	7.65

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

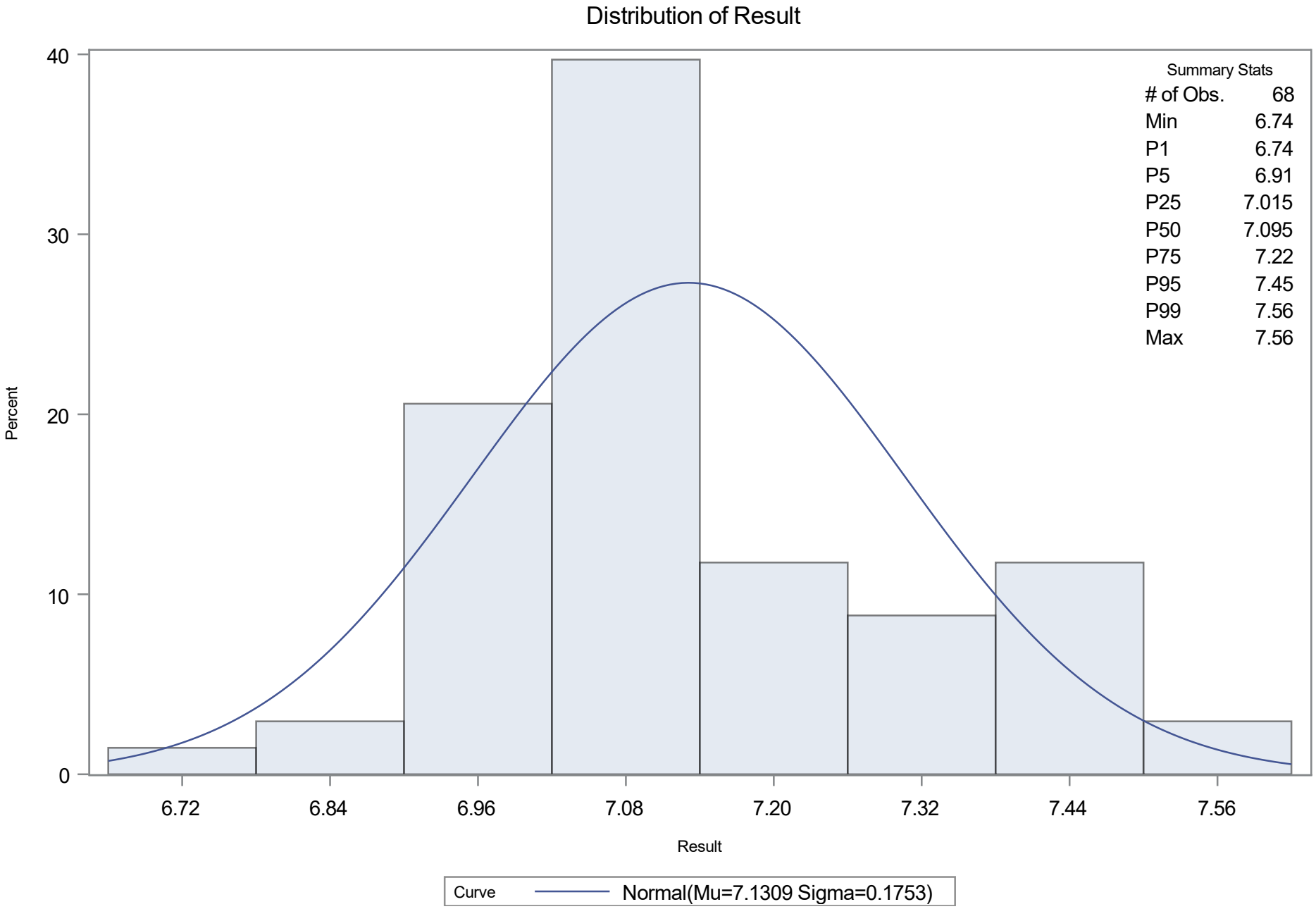

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.130882
Std Dev	Sigma	0.17531

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14906673	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27500742	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.47736925	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.74000	6.72305
5.0	6.91000	6.84252
10.0	6.96000	6.90621
25.0	7.01500	7.01264
50.0	7.09500	7.13088
75.0	7.22000	7.24913
90.0	7.40000	7.35555
95.0	7.45000	7.41924
99.0	7.56000	7.53871

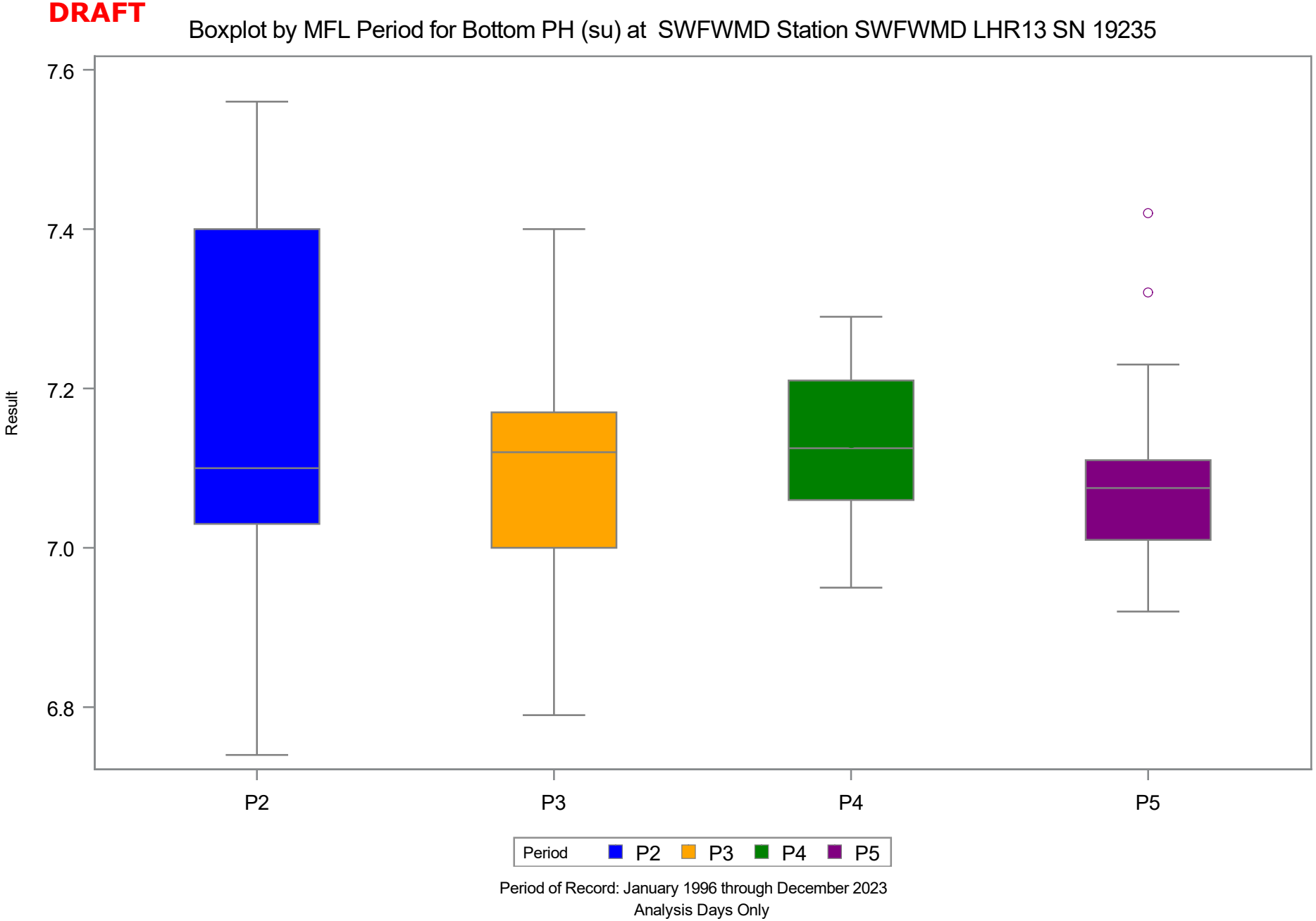
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235**

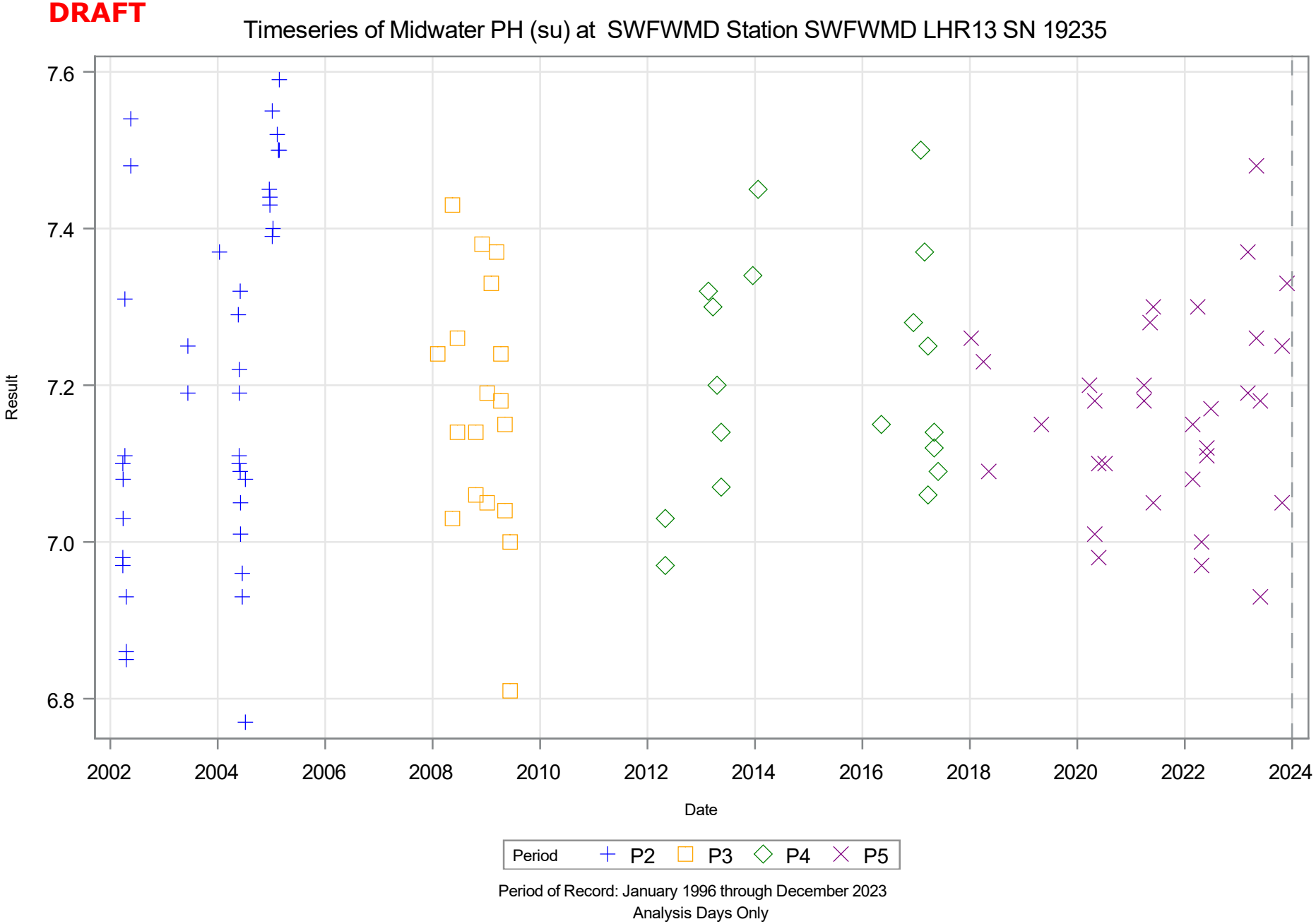
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.74	7.03	7.19	7.10	7.40	7.56
P3	11	6.79	7.00	7.10	7.12	7.17	7.40
P4	14	6.95	7.06	7.13	7.13	7.21	7.29
P5	22	6.92	7.01	7.09	7.08	7.11	7.42

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

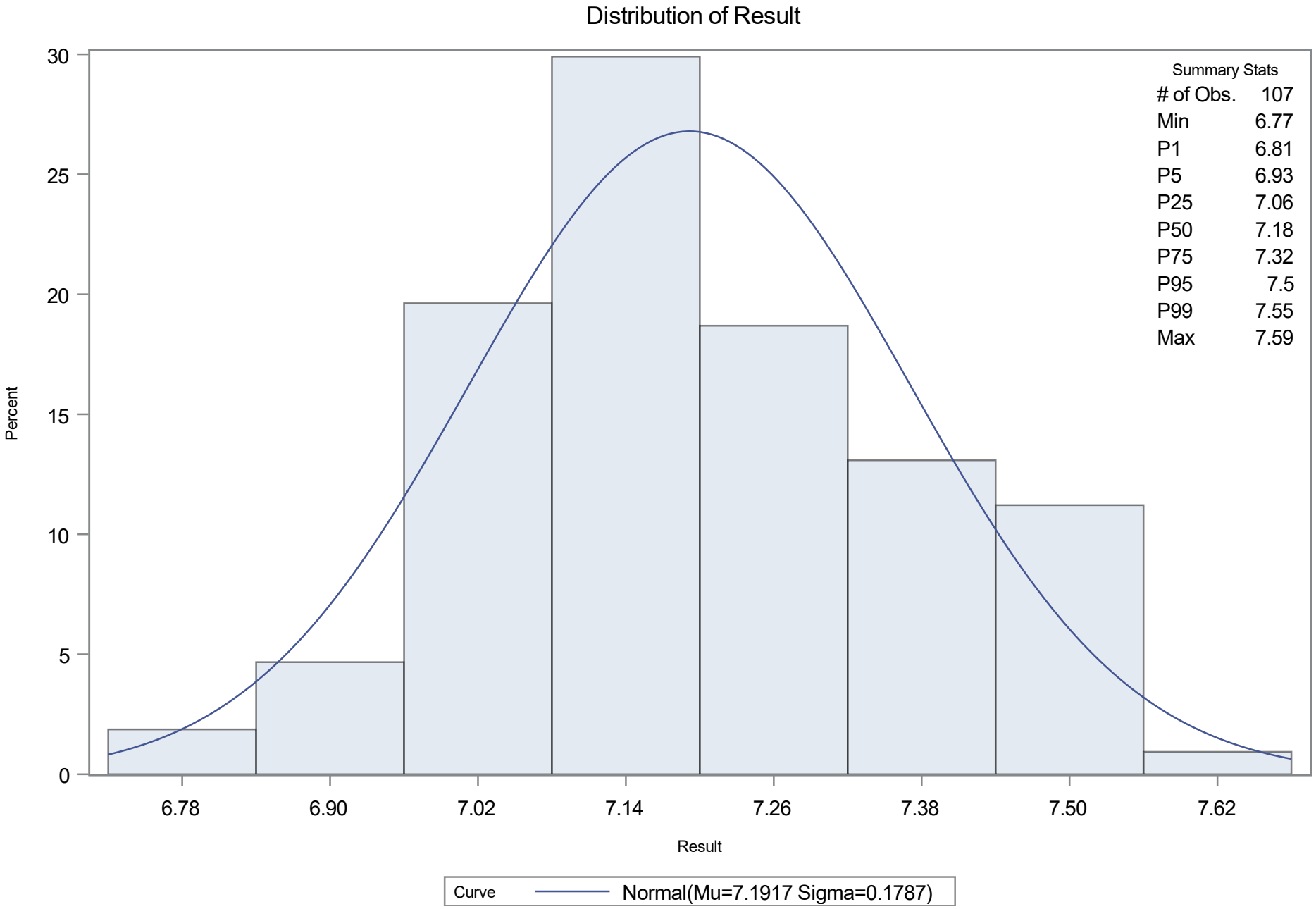

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.191682
Std Dev	Sigma	0.178672

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07021967	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08090030	**Pr > W-Sq**	0.207
Anderson-Darling	**A-Sq**	0.50526711	**Pr > A-Sq**	0.207

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.81000	6.77603
5.0	6.93000	6.89779
10.0	6.97000	6.96271
25.0	7.06000	7.07117
50.0	7.18000	7.19168
75.0	7.32000	7.31219
90.0	7.45000	7.42066
95.0	7.50000	7.48557
99.0	7.55000	7.60733

Period of Record: January 1996 through December 2023
Analysis Days Only

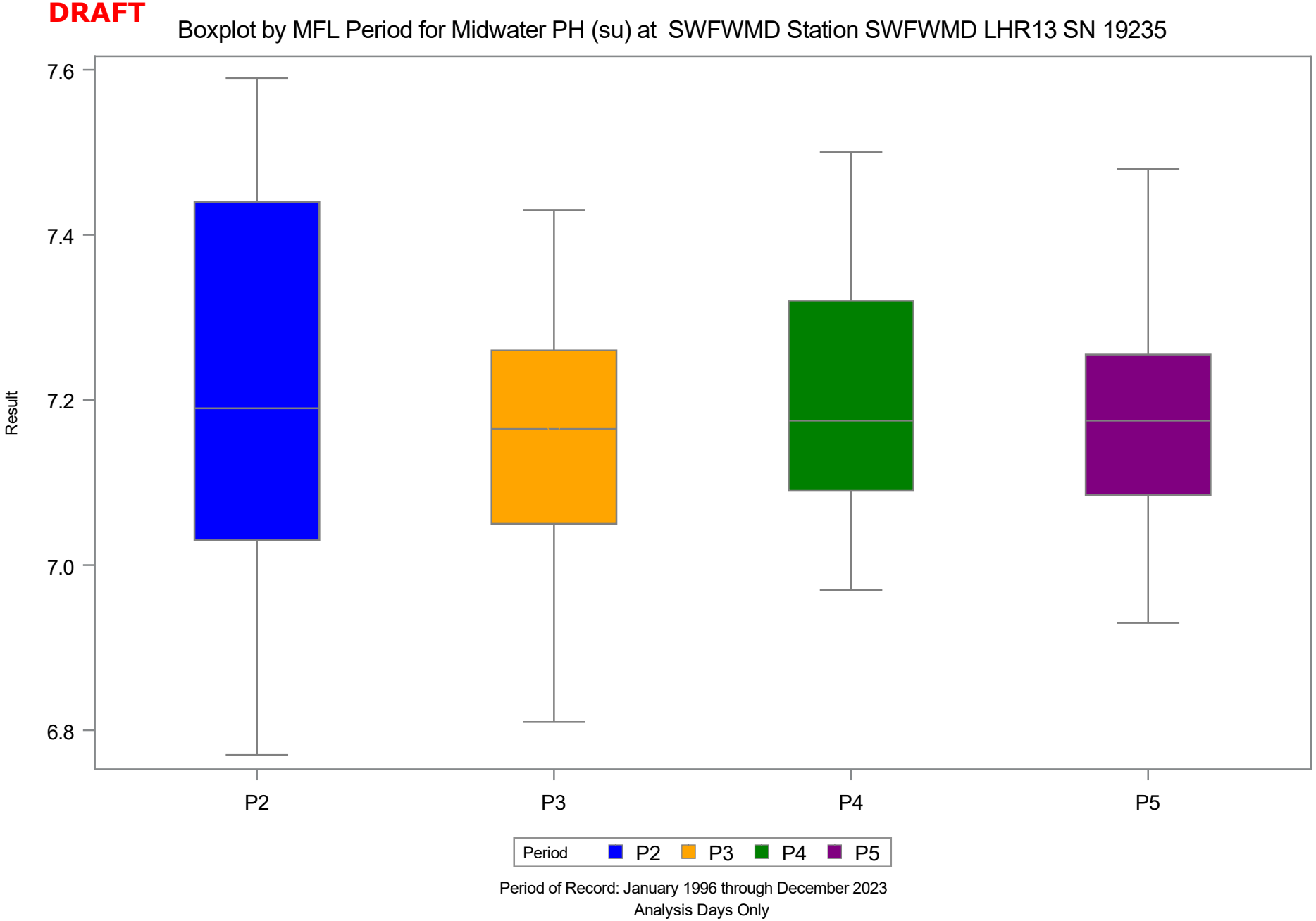
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235

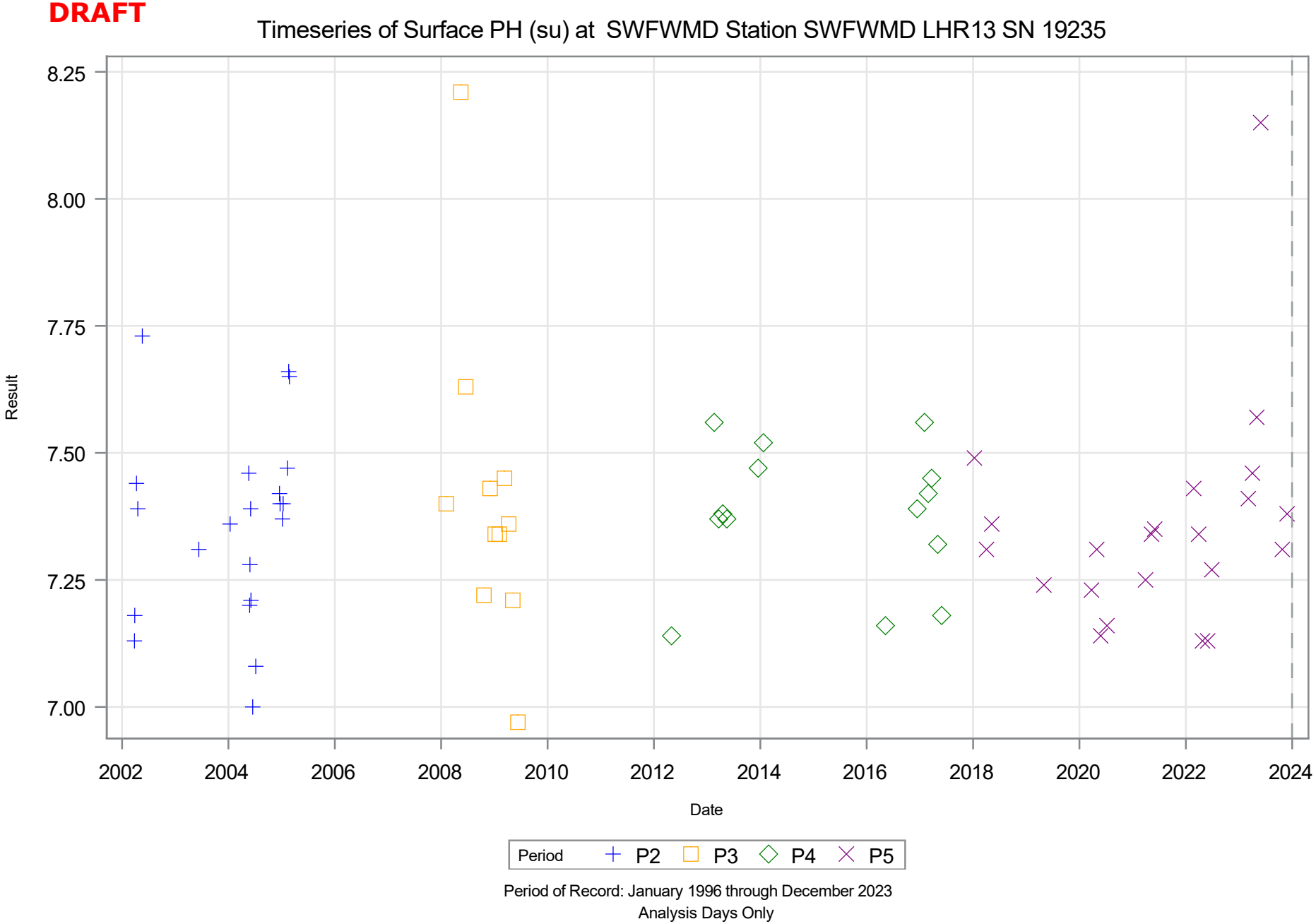
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	39	6.77	7.03	7.22	7.19	7.44	7.59
P3	18	6.81	7.05	7.17	7.17	7.26	7.43
P4	18	6.97	7.09	7.21	7.18	7.32	7.50
P5	32	6.93	7.09	7.16	7.18	7.26	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

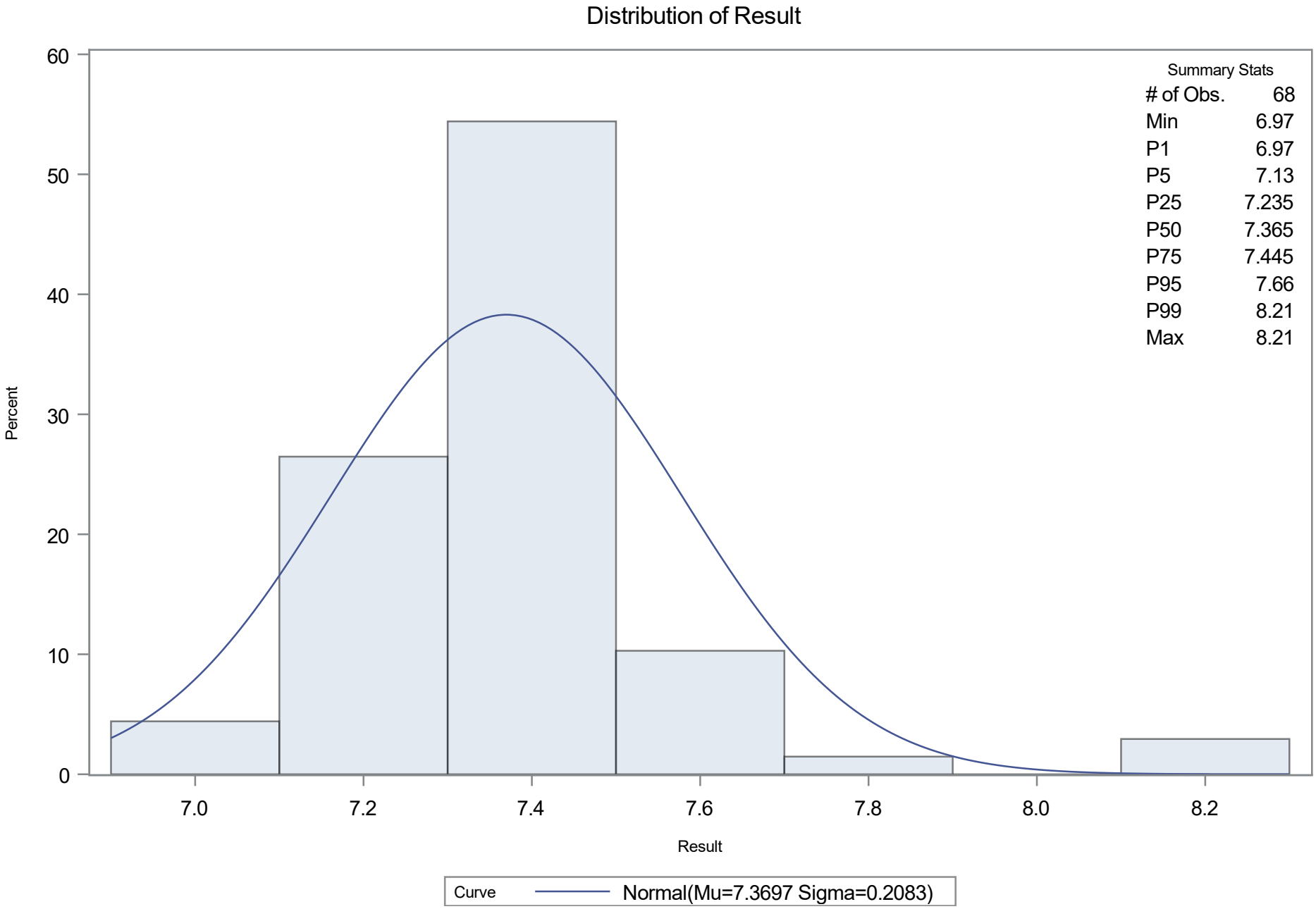

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235
8.25
8.00
7.75
7.50
7.25
7.00
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.369706
Std Dev	Sigma	0.208312

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15332982	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27587456	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.76997074	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.97000	6.88510
5.0	7.13000	7.02706
10.0	7.14000	7.10274
25.0	7.23500	7.22920
50.0	7.36500	7.36971
75.0	7.44500	7.51021
90.0	7.57000	7.63667
95.0	7.66000	7.71235
99.0	8.21000	7.85431

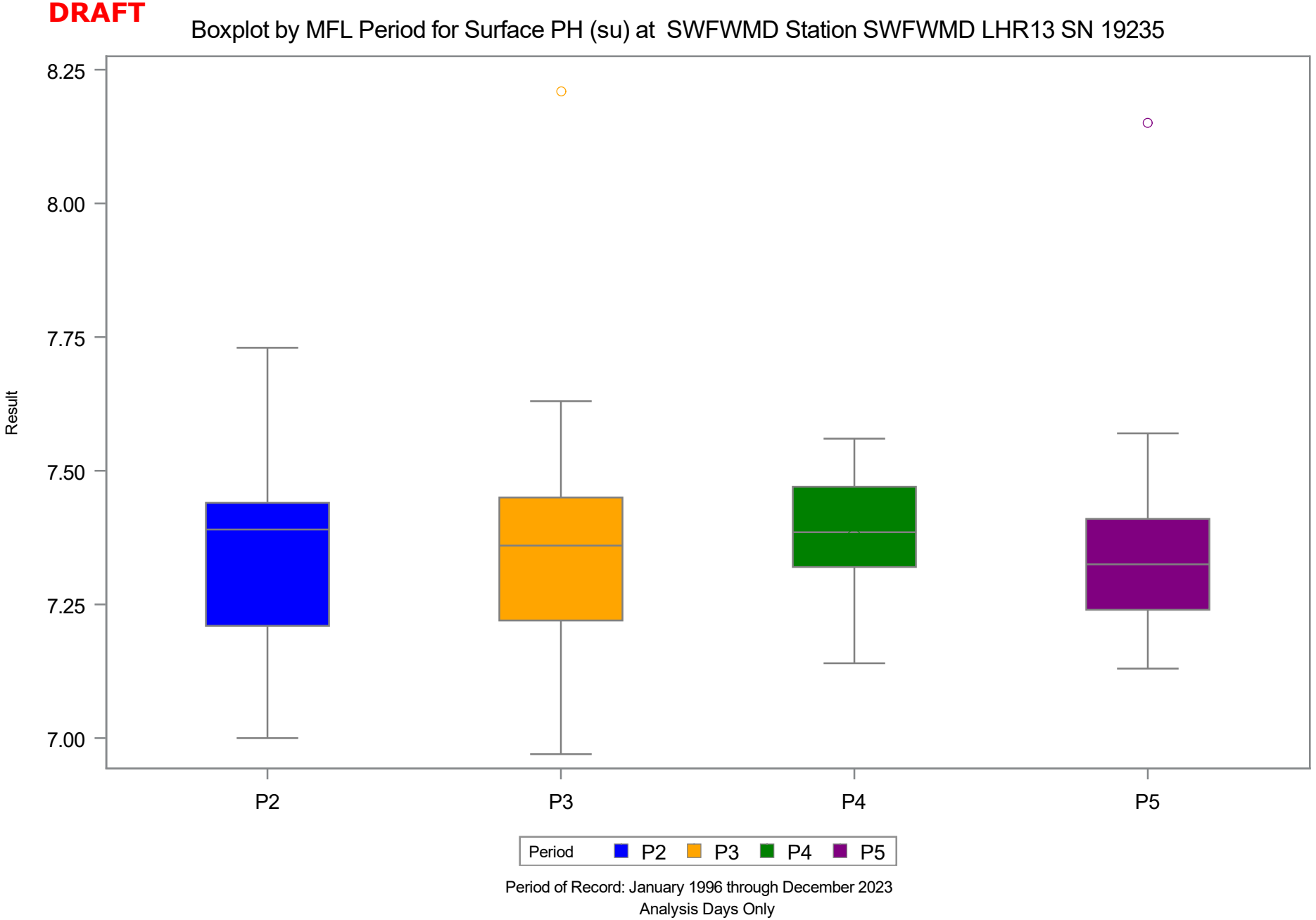
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235**

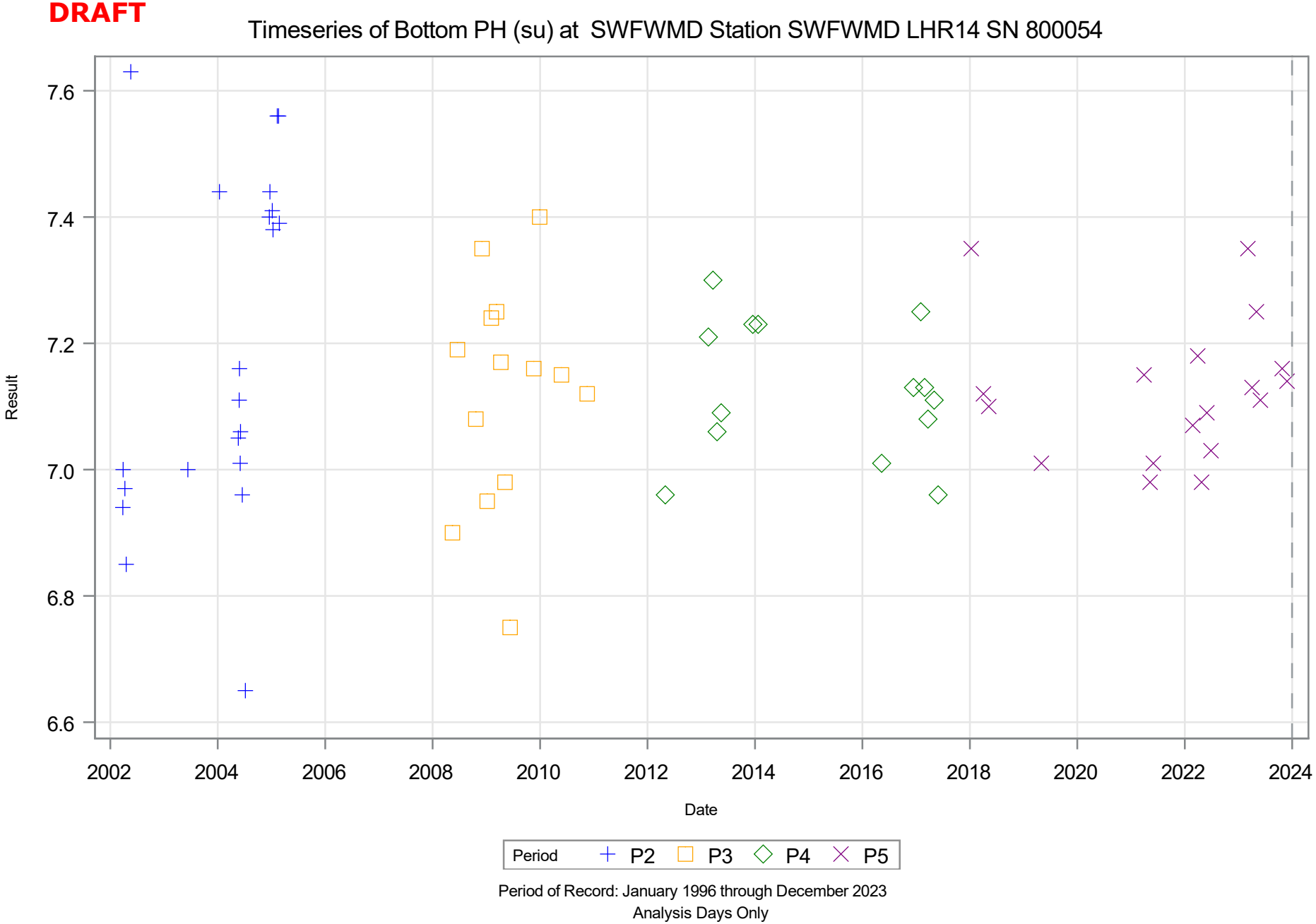
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	7.00	7.21	7.36	7.39	7.44	7.73
P3	11	6.97	7.22	7.41	7.36	7.45	8.21
P4	14	7.14	7.32	7.38	7.39	7.47	7.56
P5	22	7.13	7.24	7.35	7.33	7.41	8.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

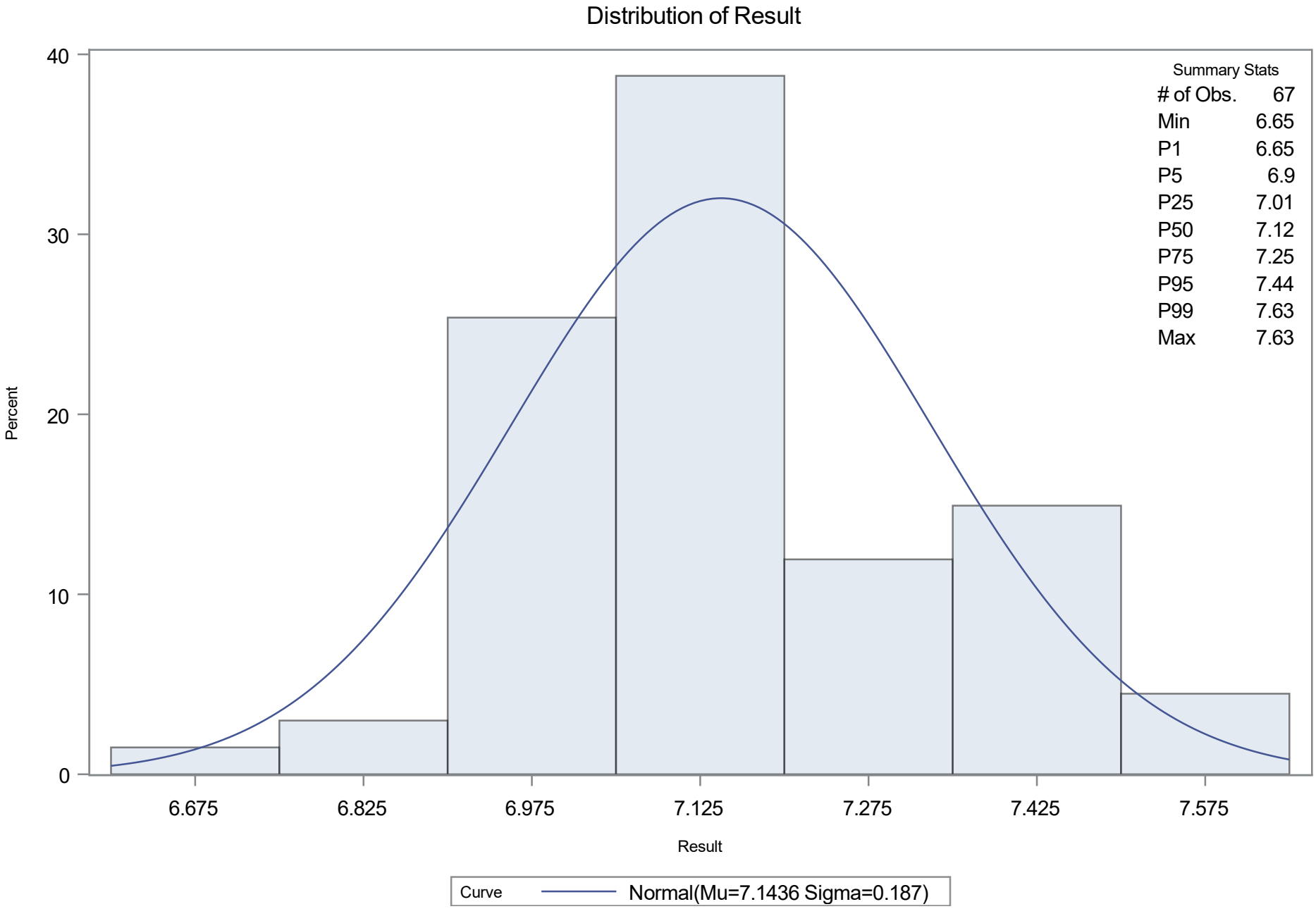

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
8.25
8.00
7.75
7.50
7.25
7.00
P2
P3
P4
P5
Period P2 P3 P4 P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
7.6
7.4
7.2
7.0
6.8
6.6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.143582
Std Dev	Sigma	0.186967

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10680418	**Pr > D**	0.057
Cramer-von Mises	**W-Sq**	0.12998250	**Pr > W-Sq**	0.044
Anderson-Darling	**A-Sq**	0.76164184	**Pr > A-Sq**	0.046

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.65000	6.70863
5.0	6.90000	6.83605
10.0	6.96000	6.90397
25.0	7.01000	7.01747
50.0	7.12000	7.14358
75.0	7.25000	7.26969
90.0	7.40000	7.38319
95.0	7.44000	7.45112
99.0	7.63000	7.57853

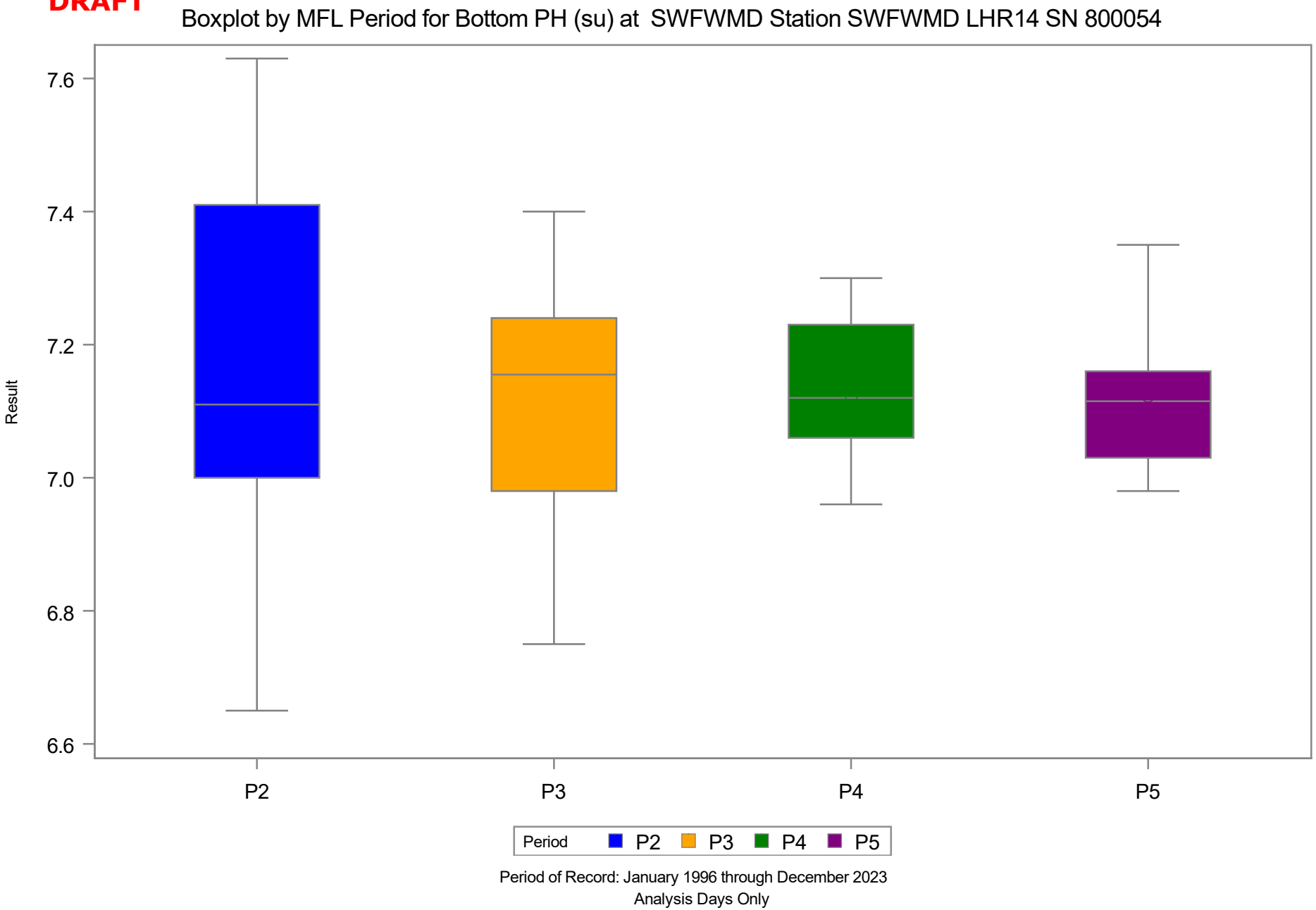
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054**

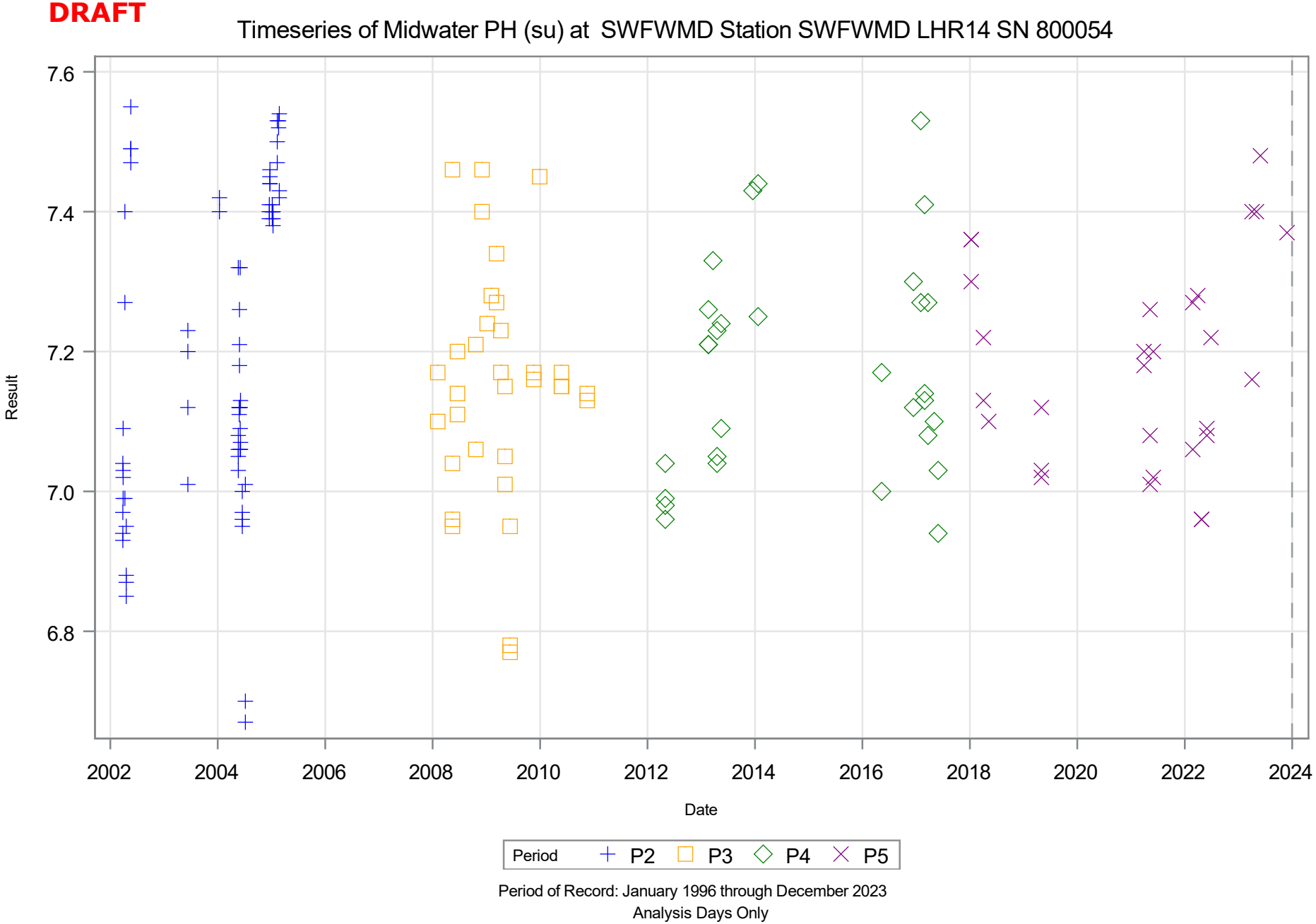
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.65	7.00	7.19	7.11	7.41	7.63
P3	14	6.75	6.98	7.12	7.16	7.24	7.40
P4	14	6.96	7.06	7.13	7.12	7.23	7.30
P5	18	6.98	7.03	7.12	7.12	7.16	7.35

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

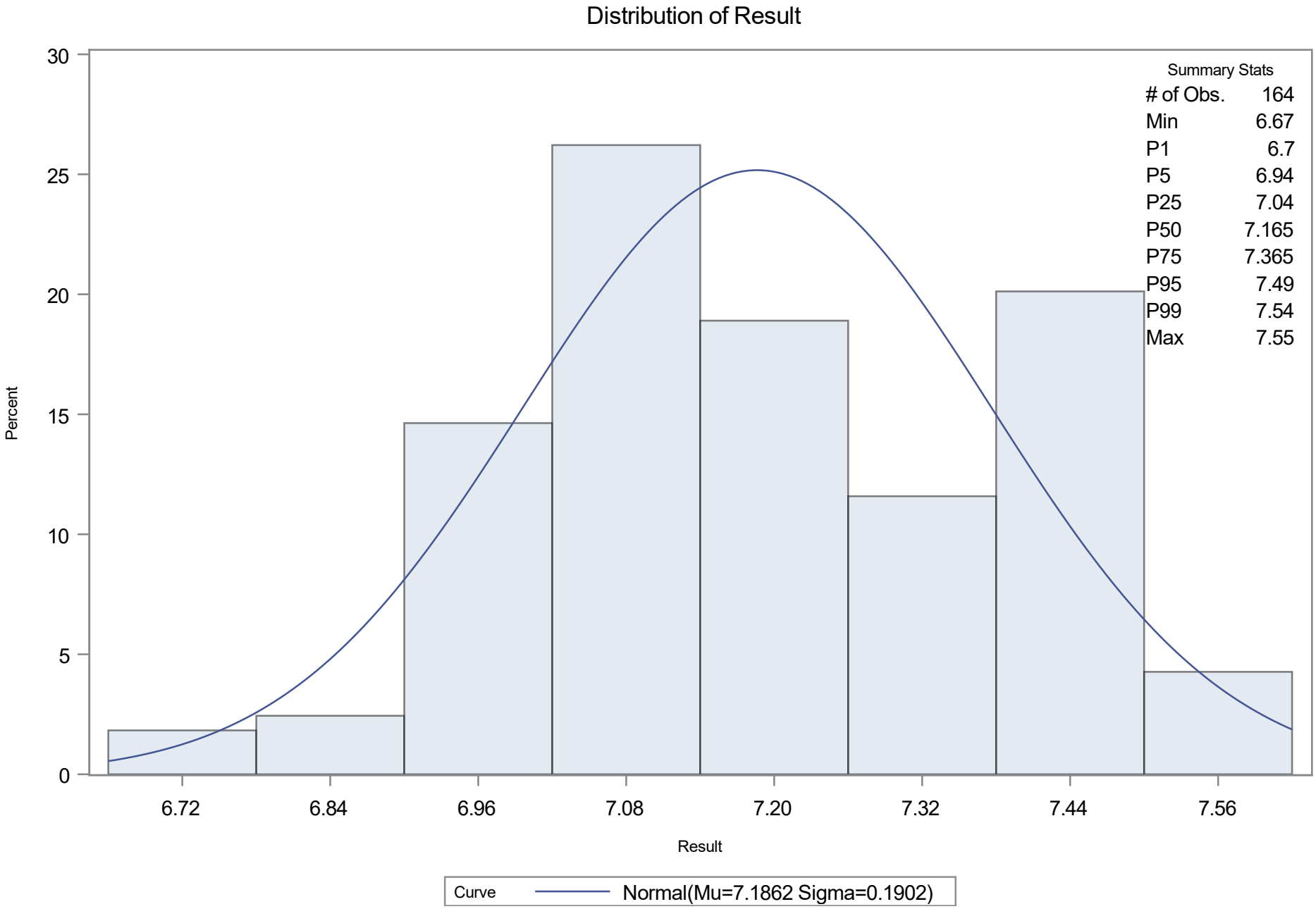

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
7.6
7.4
7.2
7.0
6.8
6.6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.186159
Std Dev	Sigma	0.190174

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09591531	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.23044854	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.50556900	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.70000	6.74375
5.0	6.94000	6.87335
10.0	6.96000	6.94244
25.0	7.04000	7.05789
50.0	7.16500	7.18616
75.0	7.36500	7.31443
90.0	7.45000	7.42988
95.0	7.49000	7.49897
99.0	7.54000	7.62857

Period of Record: January 1996 through December 2023
Analysis Days Only

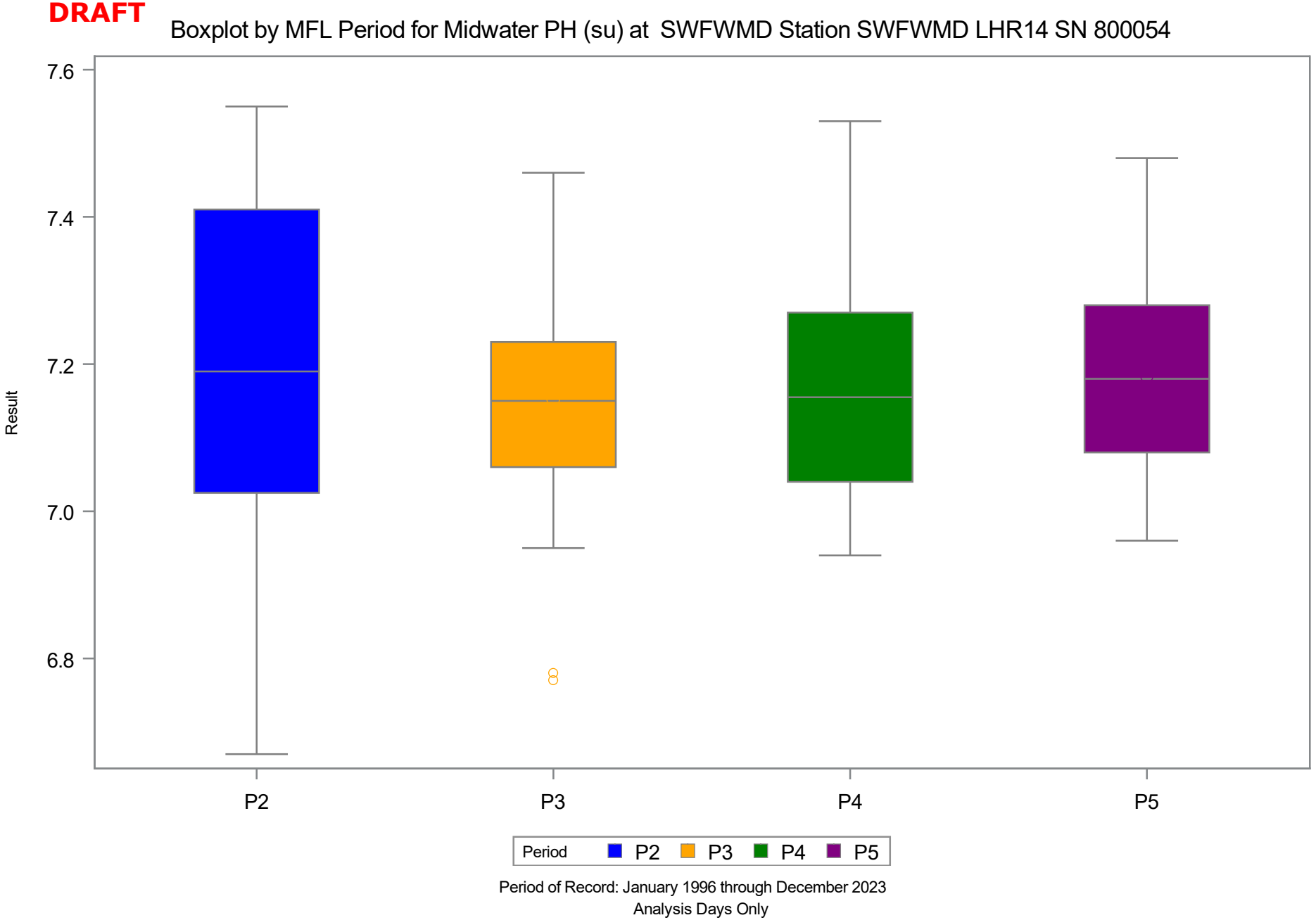
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054

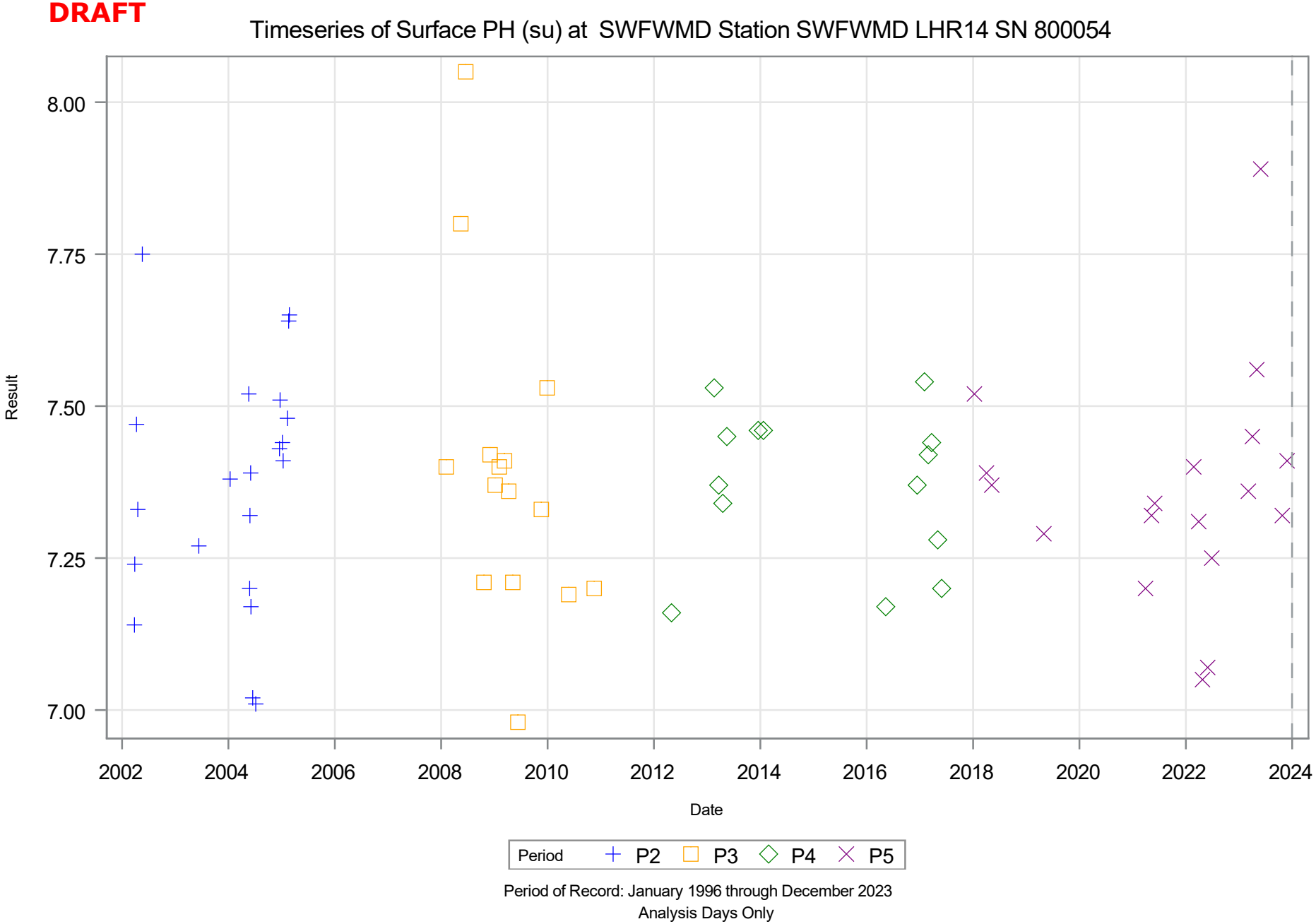
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	72	6.67	7.03	7.21	7.19	7.41	7.55
P3	33	6.77	7.06	7.15	7.15	7.23	7.46
P4	30	6.94	7.04	7.17	7.16	7.27	7.53
P5	29	6.96	7.08	7.18	7.18	7.28	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

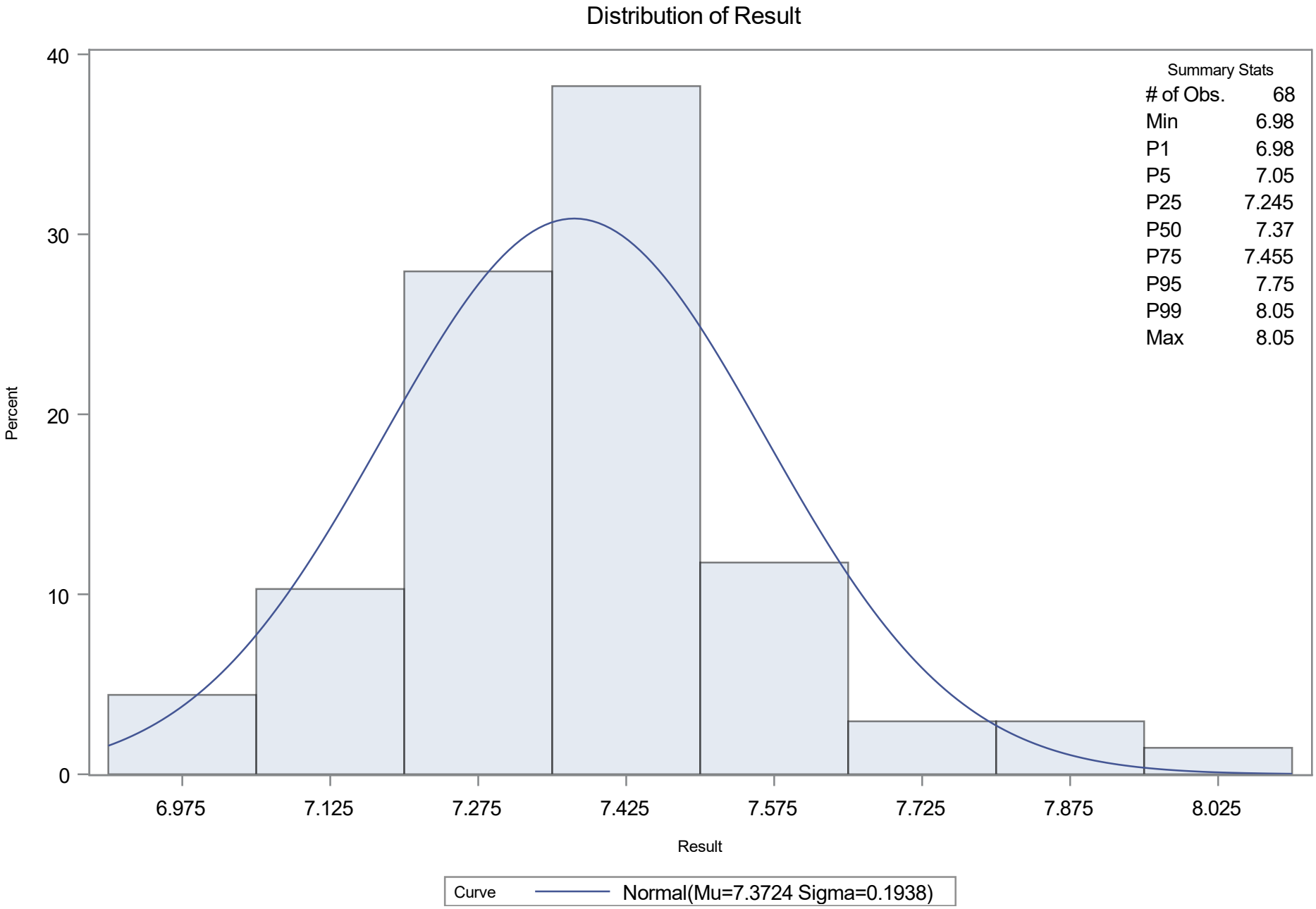

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
8.00
7.75
7.50
7.25
7.00
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.372353
Std Dev	Sigma	0.193808

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10496107	**Pr > D**	0.063
Cramer-von Mises	**W-Sq**	0.14492694	**Pr > W-Sq**	0.027
Anderson-Darling	**A-Sq**	0.91762460	**Pr > A-Sq**	0.020

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.98000	6.92149
5.0	7.05000	7.05357
10.0	7.16000	7.12398
25.0	7.24500	7.24163
50.0	7.37000	7.37235
75.0	7.45500	7.50307
90.0	7.56000	7.62073
95.0	7.75000	7.69114
99.0	8.05000	7.82322

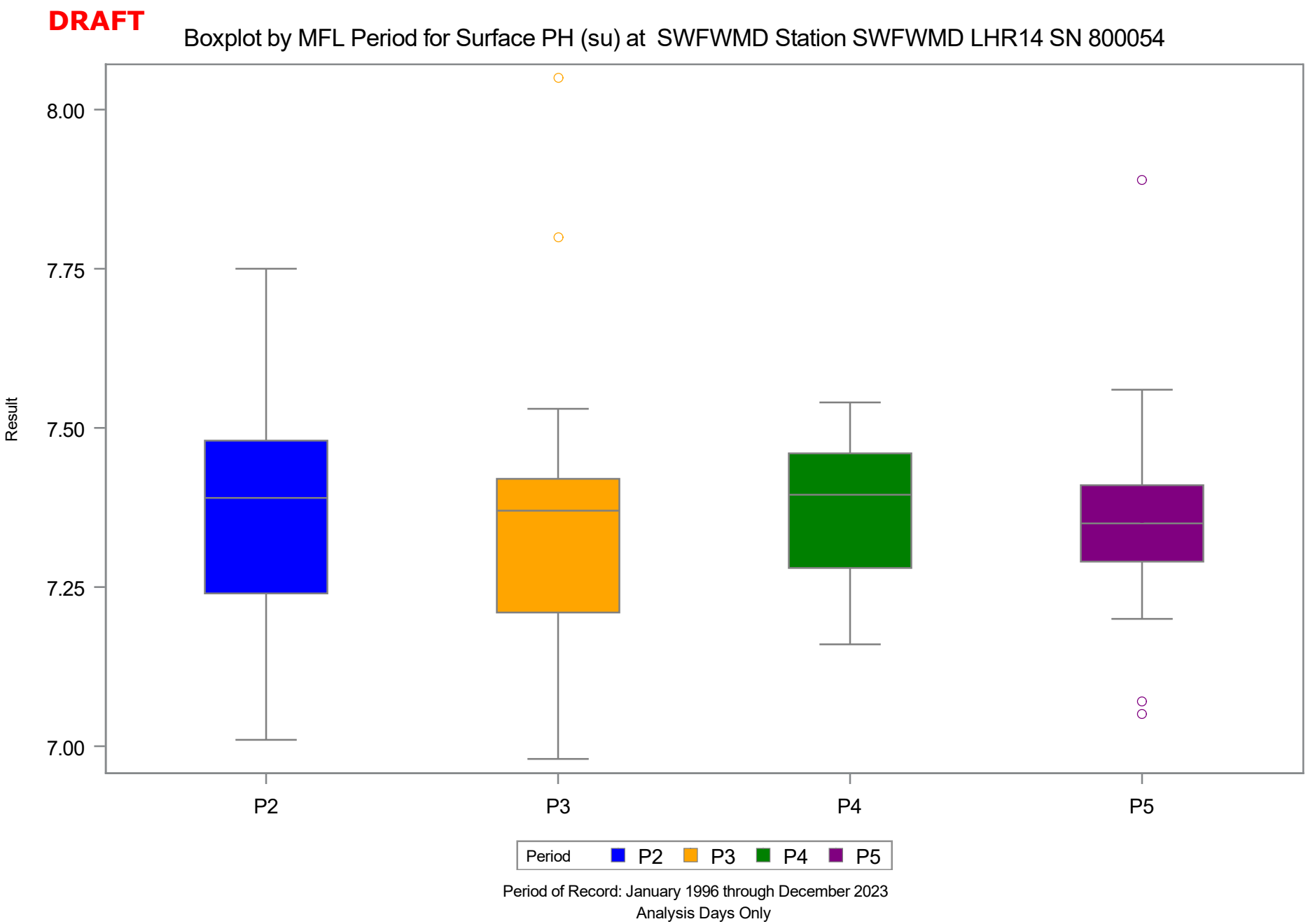
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054**

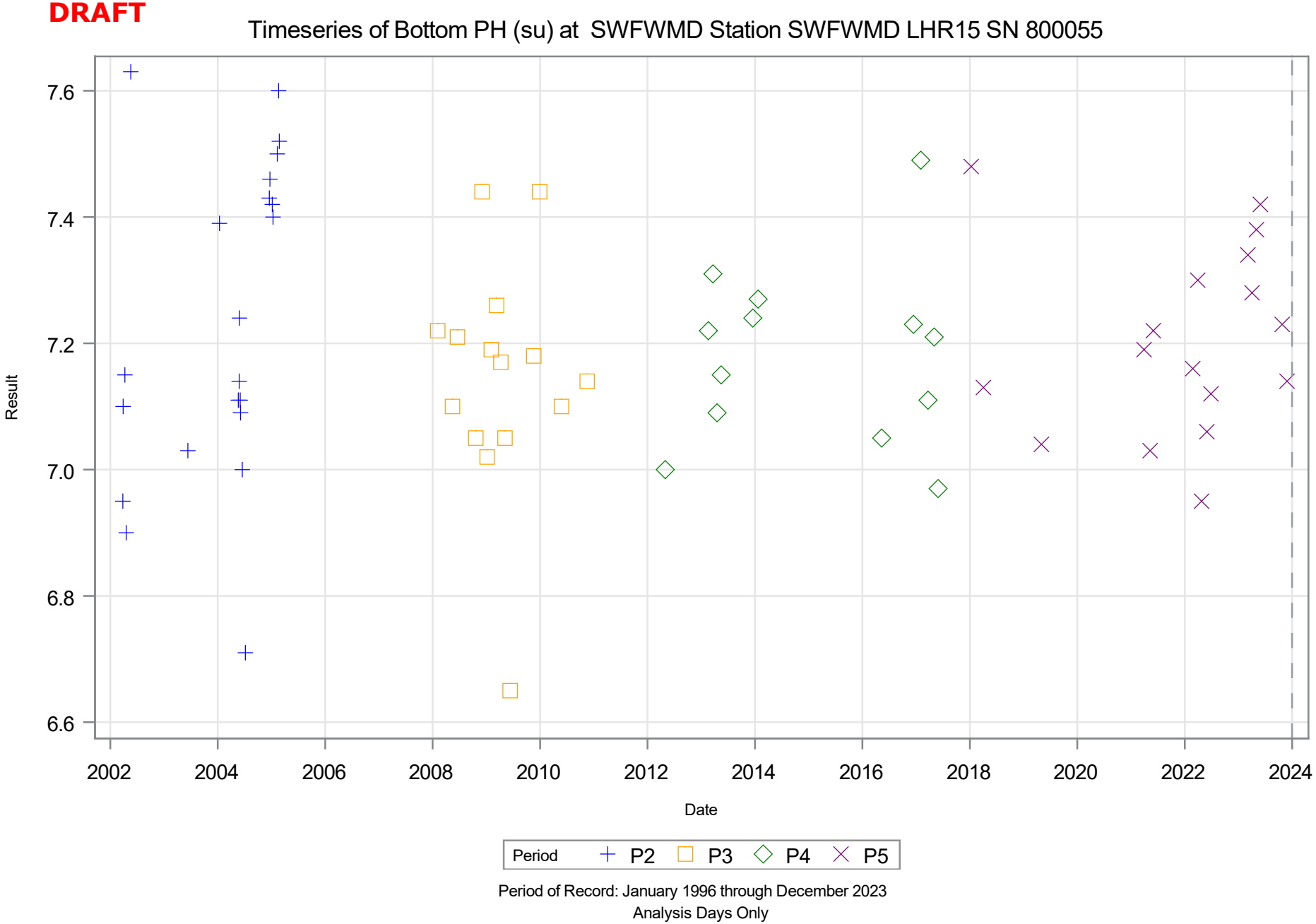
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	7.01	7.24	7.37	7.39	7.48	7.75
P3	15	6.98	7.21	7.39	7.37	7.42	8.05
P4	14	7.16	7.28	7.37	7.40	7.46	7.54
P5	18	7.05	7.29	7.36	7.35	7.41	7.89

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

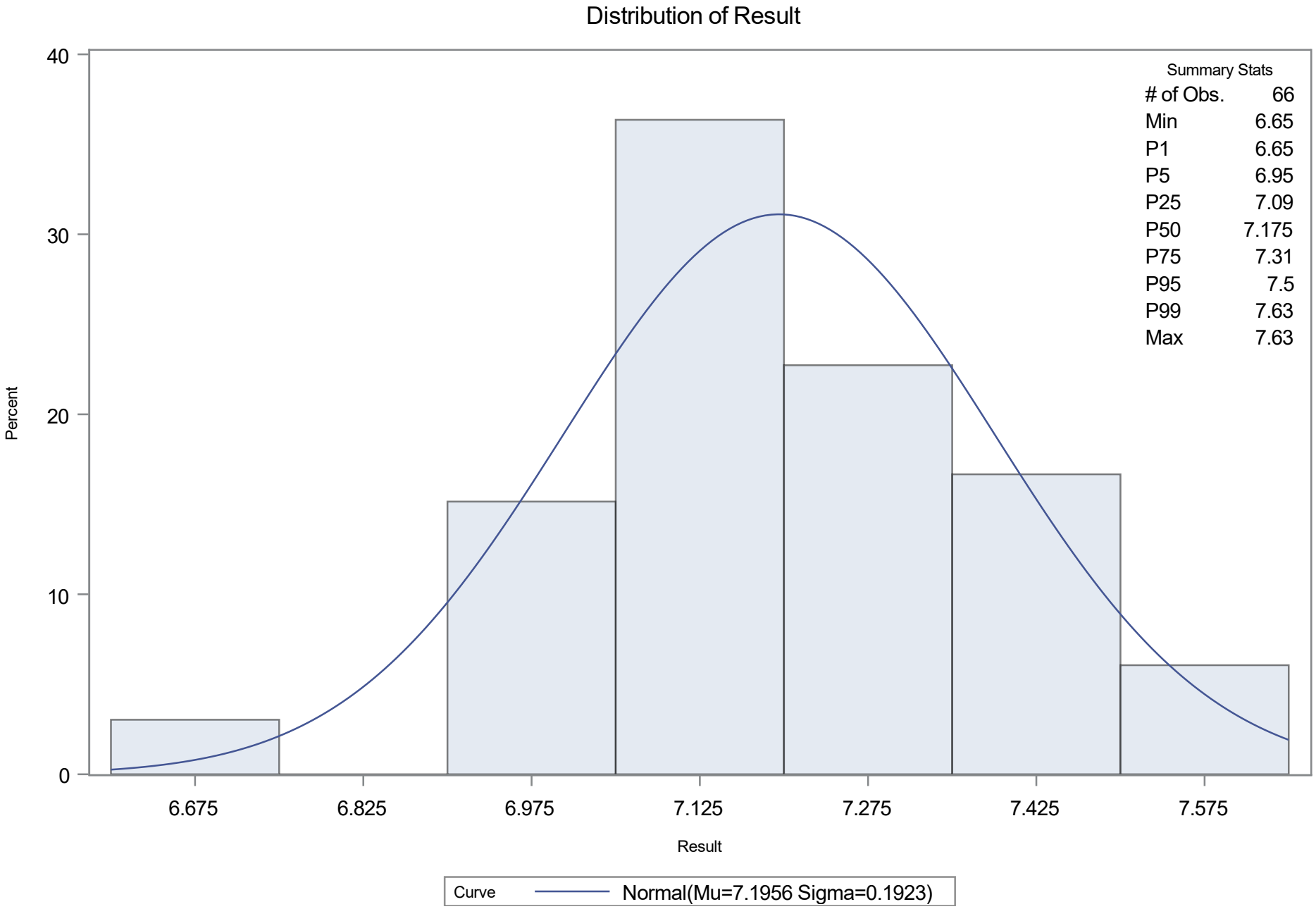

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
8.00
7.75
7.50
7.25
7.00
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
7.6
7.4
7.2
7.0
6.8
6.6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.195606
Std Dev	Sigma	0.192339

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09054898	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09792256	**Pr > W-Sq**	0.121
Anderson-Darling	**A-Sq**	0.60852206	**Pr > A-Sq**	0.111

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.65000	6.74816
5.0	6.95000	6.87924
10.0	7.00000	6.94911
25.0	7.09000	7.06588
50.0	7.17500	7.19561
75.0	7.31000	7.32534
90.0	7.46000	7.44210
95.0	7.50000	7.51198
99.0	7.63000	7.64305

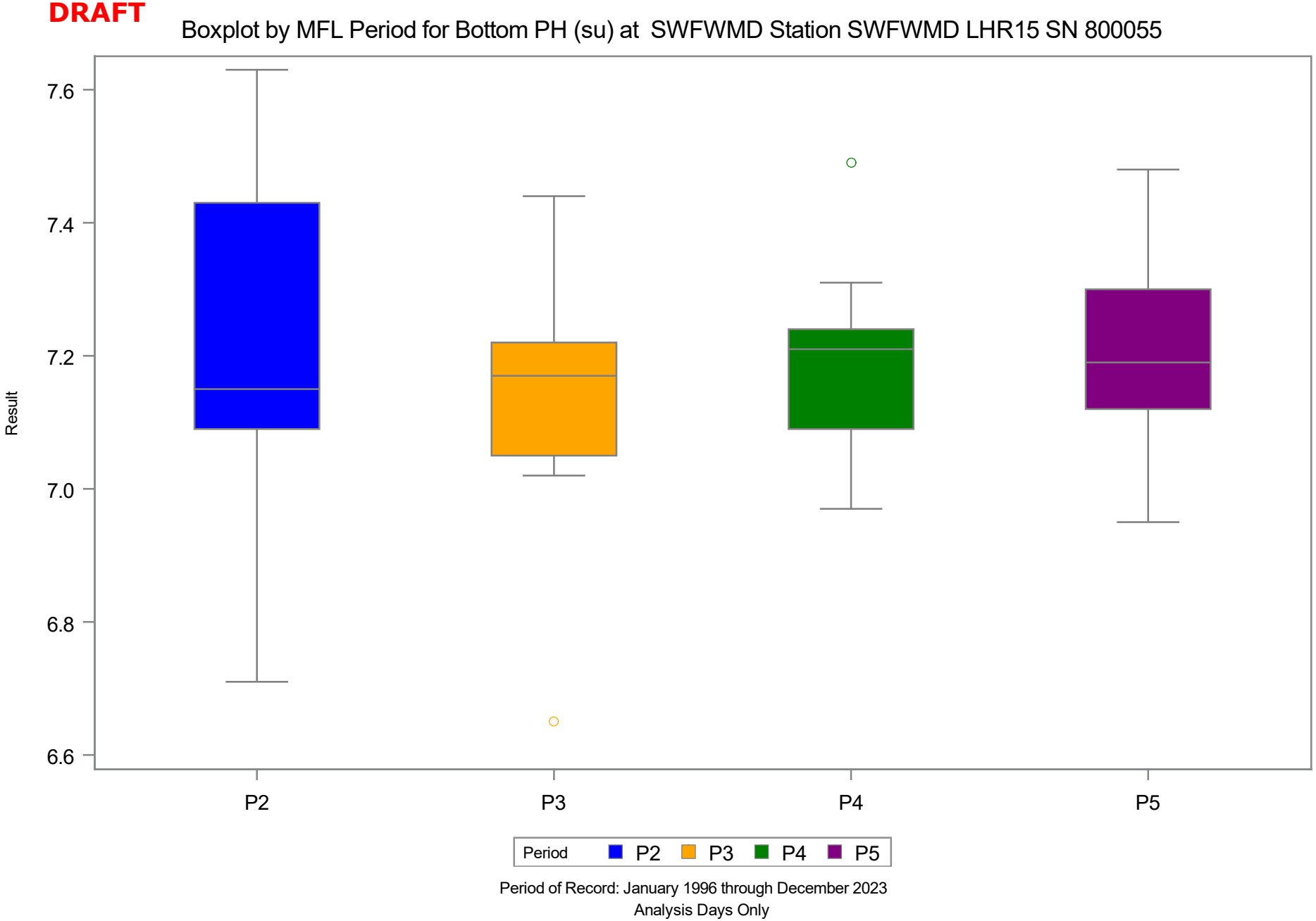
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055**

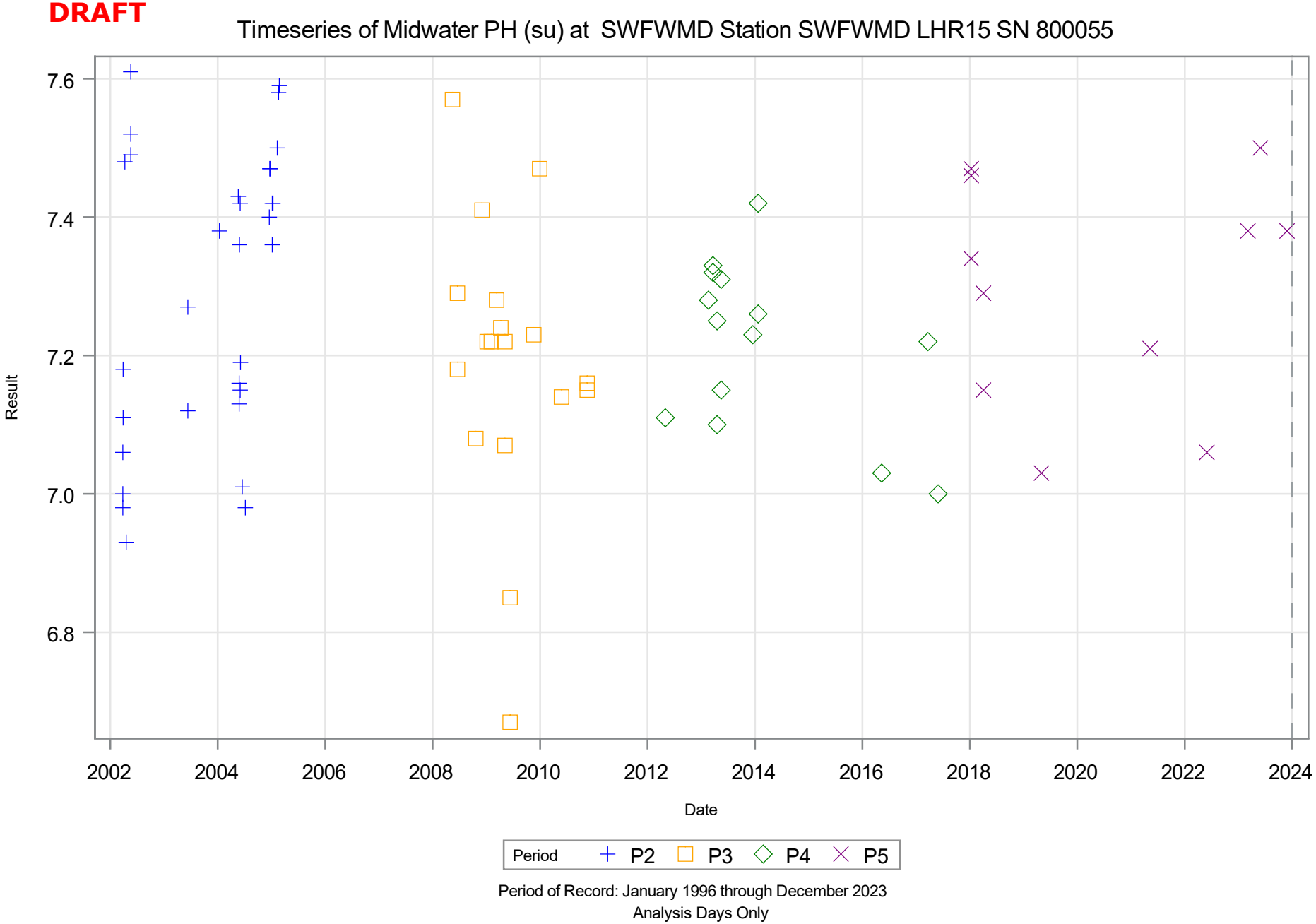
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.71	7.09	7.23	7.15	7.43	7.63
P3	15	6.65	7.05	7.15	7.17	7.22	7.44
P4	13	6.97	7.09	7.18	7.21	7.24	7.49
P5	17	6.95	7.12	7.20	7.19	7.30	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

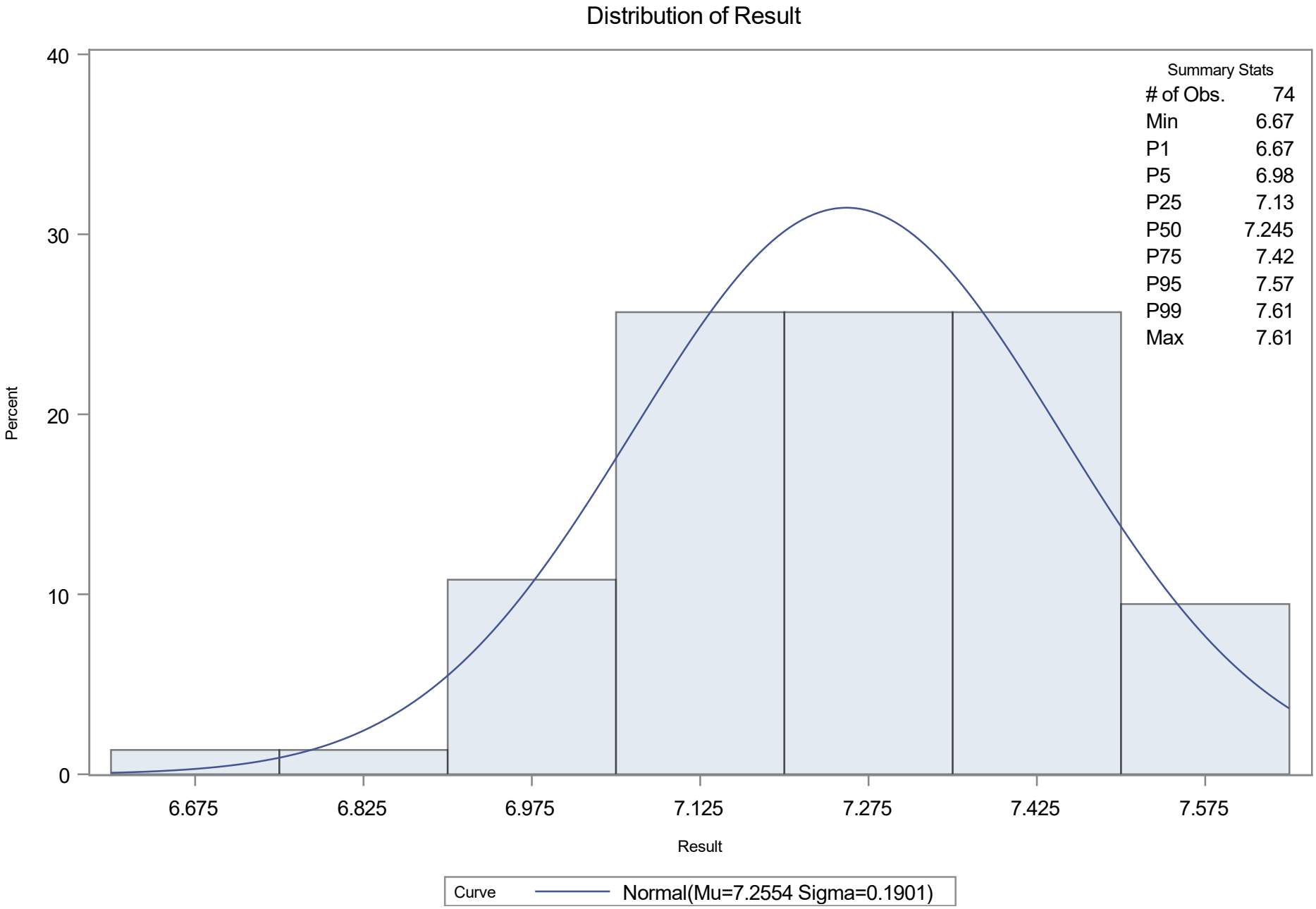

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
7.6
7.4
7.2
7.0
6.8
6.6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.255405
Std Dev	Sigma	0.190106

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06821785	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04383323	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32050295	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.67000	6.81315
5.0	6.98000	6.94271
10.0	7.01000	7.01177
25.0	7.13000	7.12718
50.0	7.24500	7.25541
75.0	7.42000	7.38363
90.0	7.49000	7.49904
95.0	7.57000	7.56810
99.0	7.61000	7.69766

Period of Record: January 1996 through December 2023
Analysis Days Only

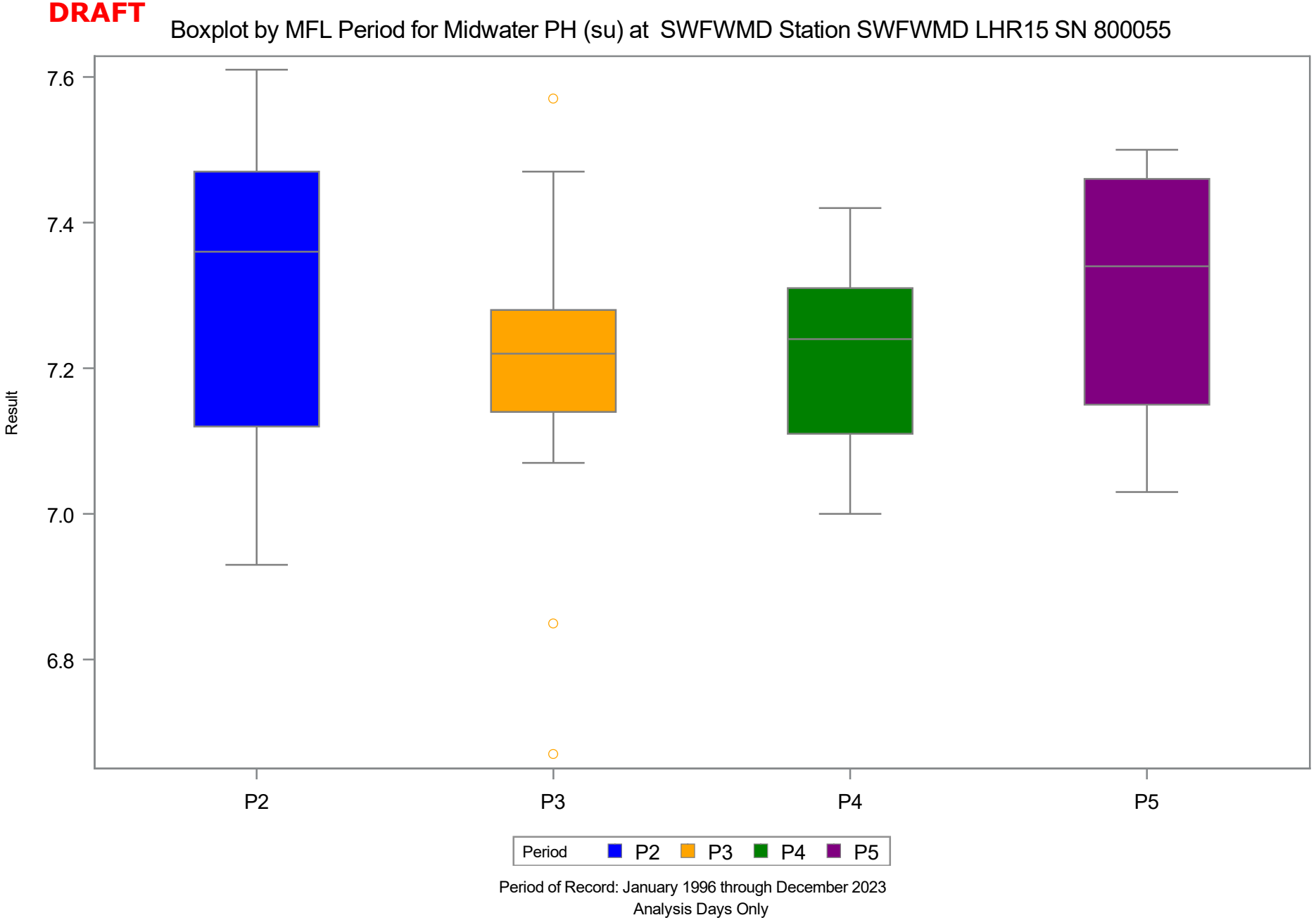
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055

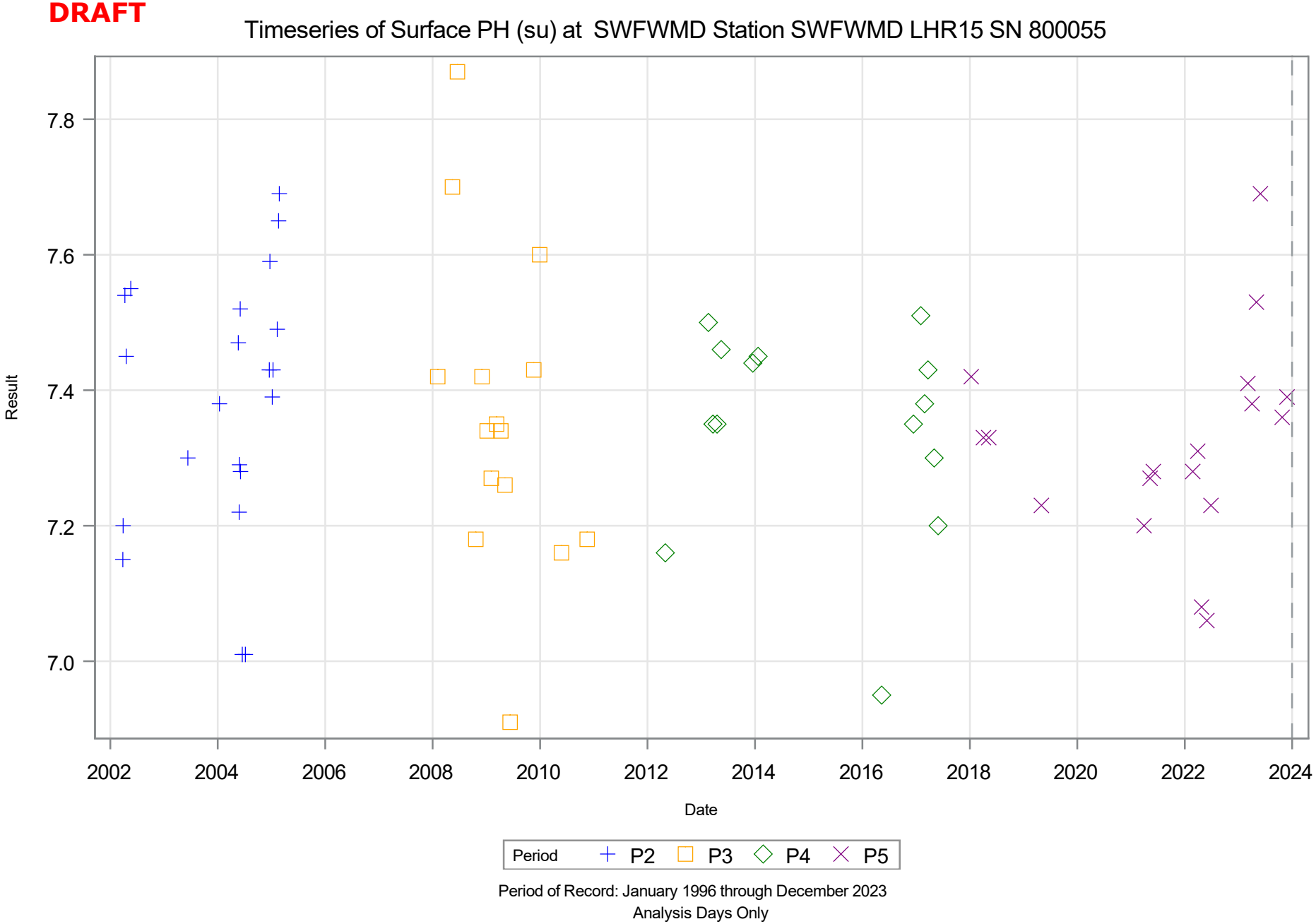
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	31	6.93	7.12	7.30	7.36	7.47	7.61
P3	18	6.67	7.14	7.19	7.22	7.28	7.57
P4	14	7.00	7.11	7.22	7.24	7.31	7.42
P5	11	7.03	7.15	7.30	7.34	7.46	7.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

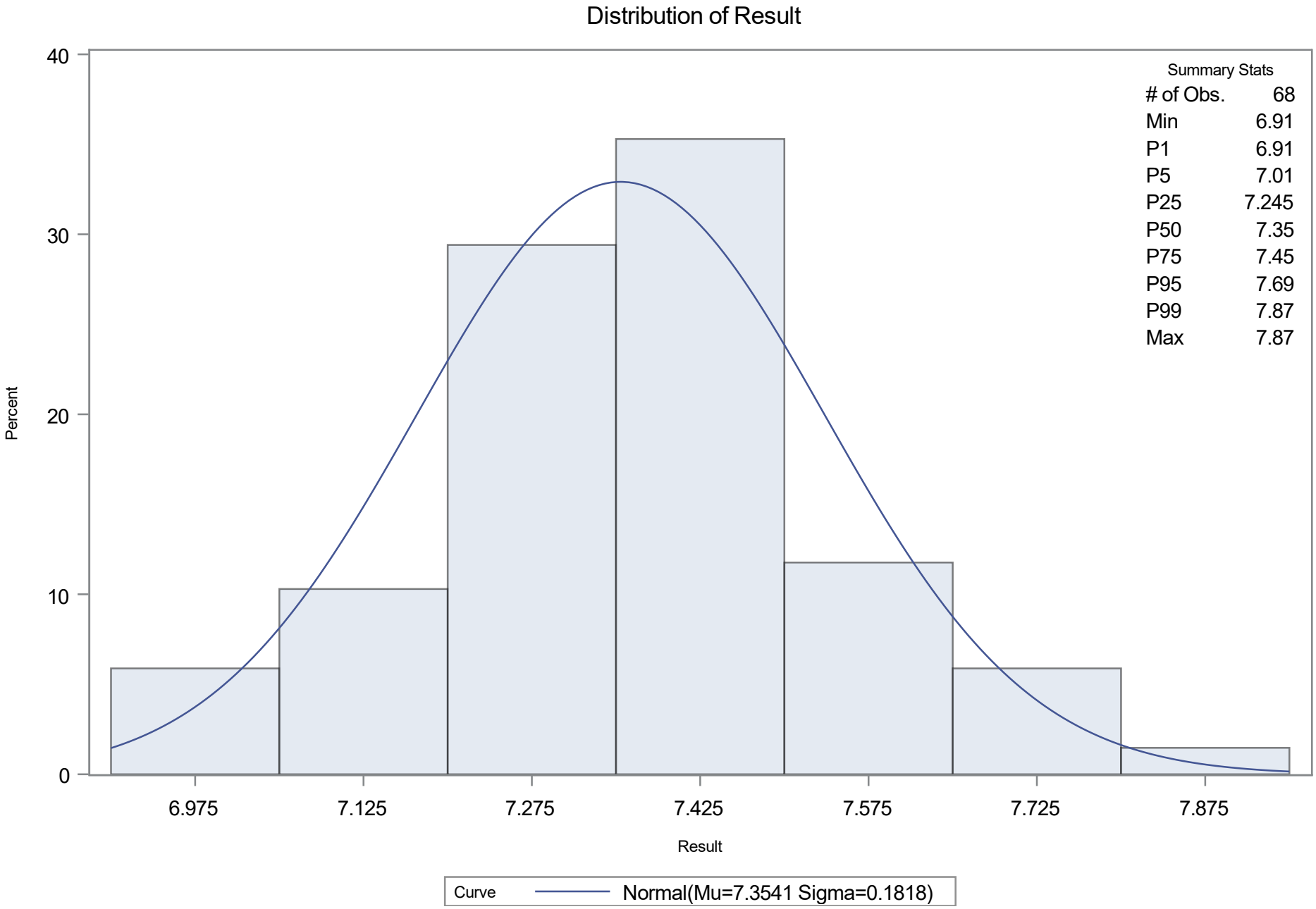

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
7.8
7.6
7.4
7.2
7.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.354118
Std Dev	Sigma	0.181801

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06366241	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04664974	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30274226	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.91000	6.93119
5.0	7.01000	7.05508
10.0	7.15000	7.12113
25.0	7.24500	7.23150
50.0	7.35000	7.35412
75.0	7.45000	7.47674
90.0	7.59000	7.58710
95.0	7.69000	7.65315
99.0	7.87000	7.77705

Period of Record: January 1996 through December 2023
Analysis Days Only

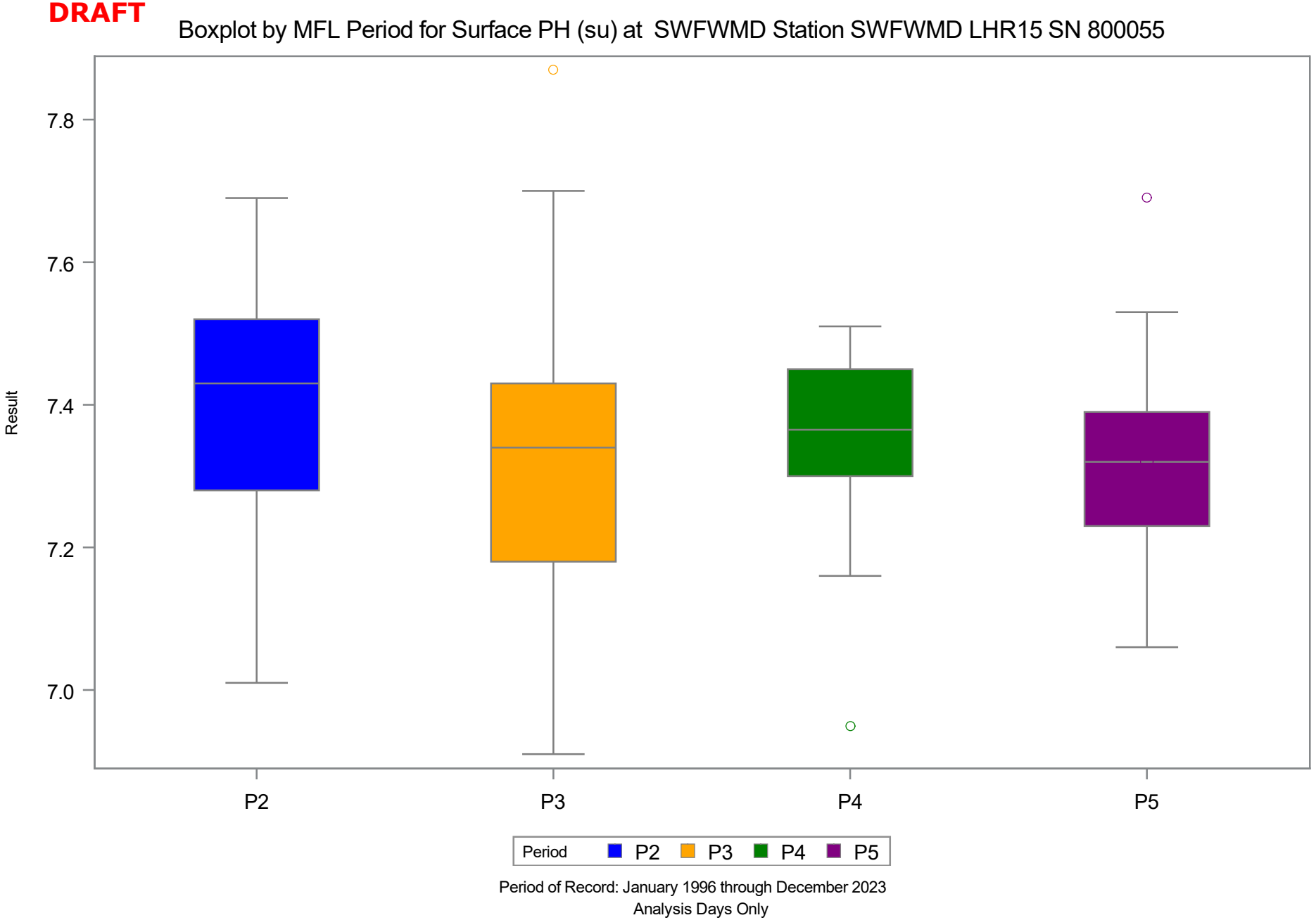
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055

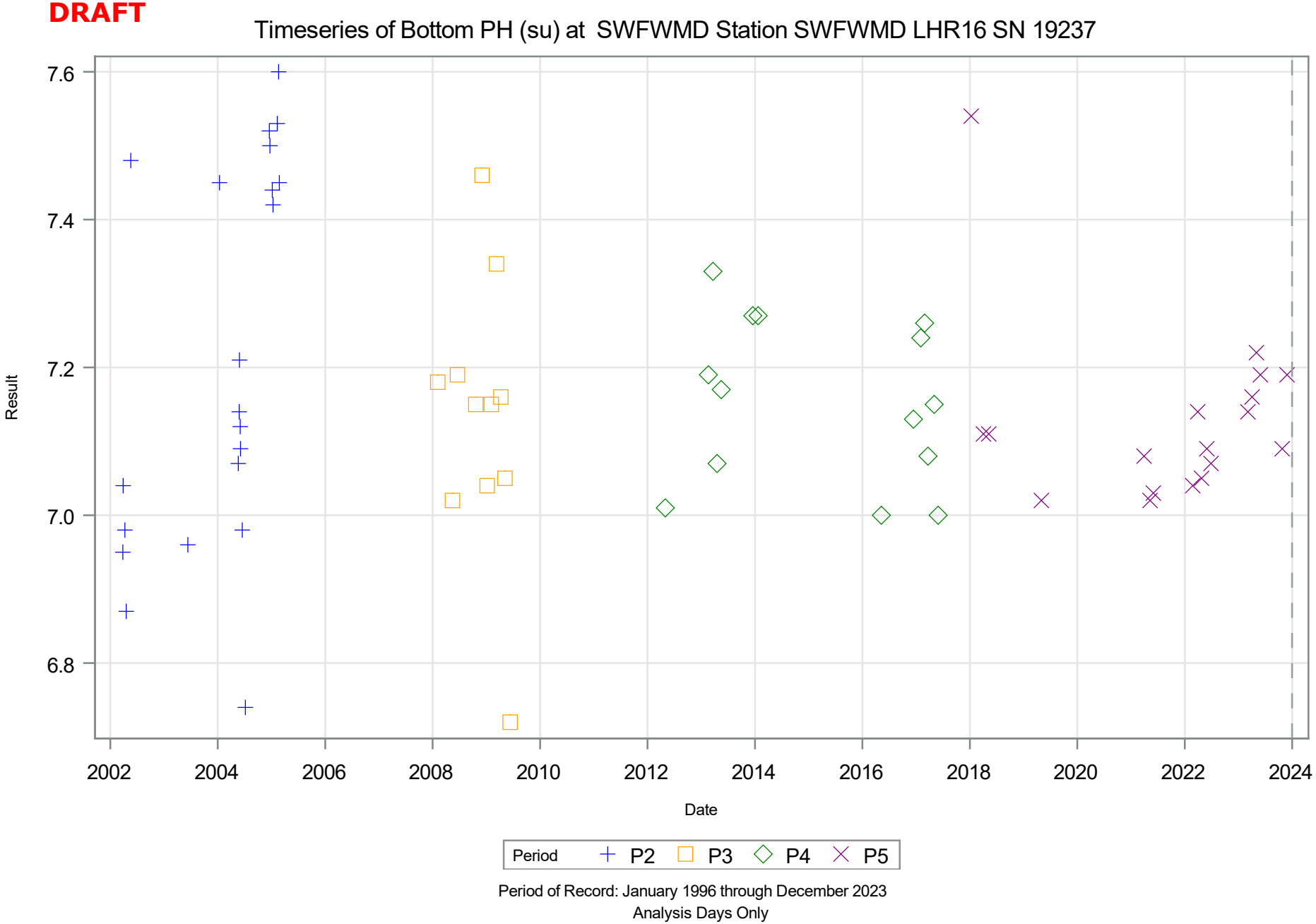
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	7.01	7.28	7.38	7.43	7.52	7.69
P3	15	6.91	7.18	7.36	7.34	7.43	7.87
P4	14	6.95	7.30	7.35	7.37	7.45	7.51
P5	18	7.06	7.23	7.32	7.32	7.39	7.69

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

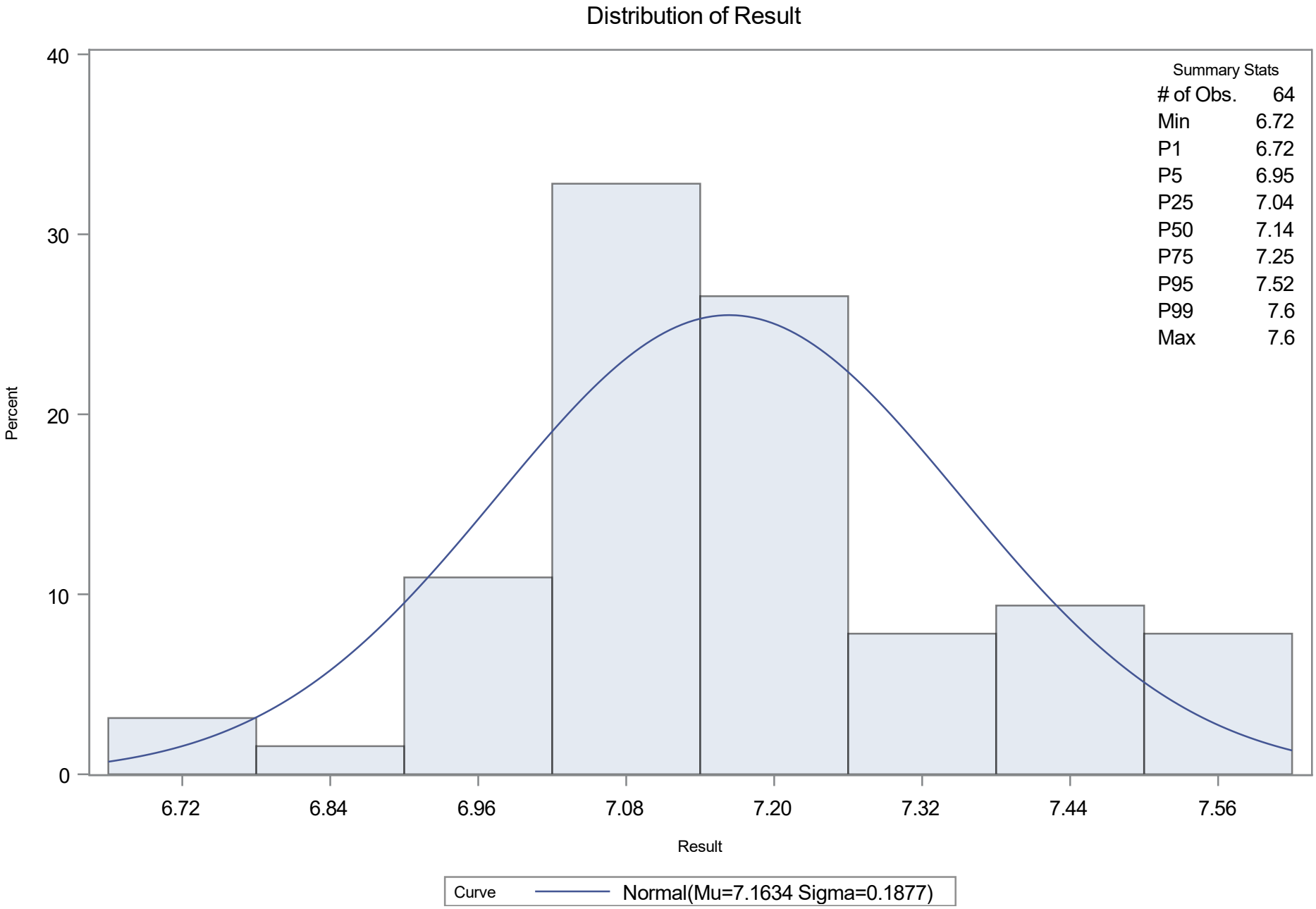

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
7.8
7.6
7.4
7.2
7.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.163438
Std Dev	Sigma	0.187661

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14684459	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26041377	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.52465625	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.72000	6.72687
5.0	6.95000	6.85476
10.0	6.98000	6.92294
25.0	7.04000	7.03686
50.0	7.14000	7.16344
75.0	7.25000	7.29001
90.0	7.46000	7.40393
95.0	7.52000	7.47211
99.0	7.60000	7.60000

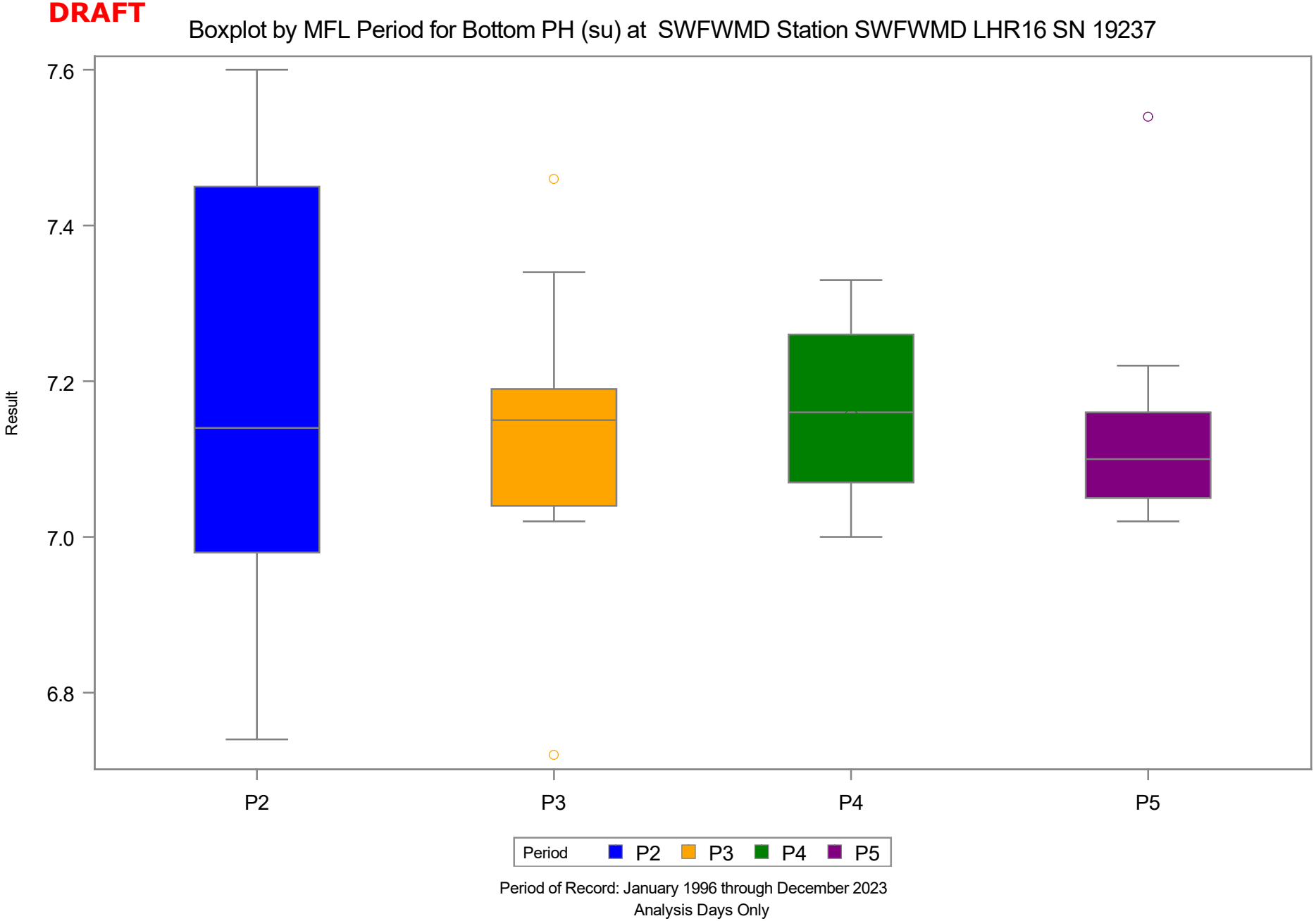
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237**

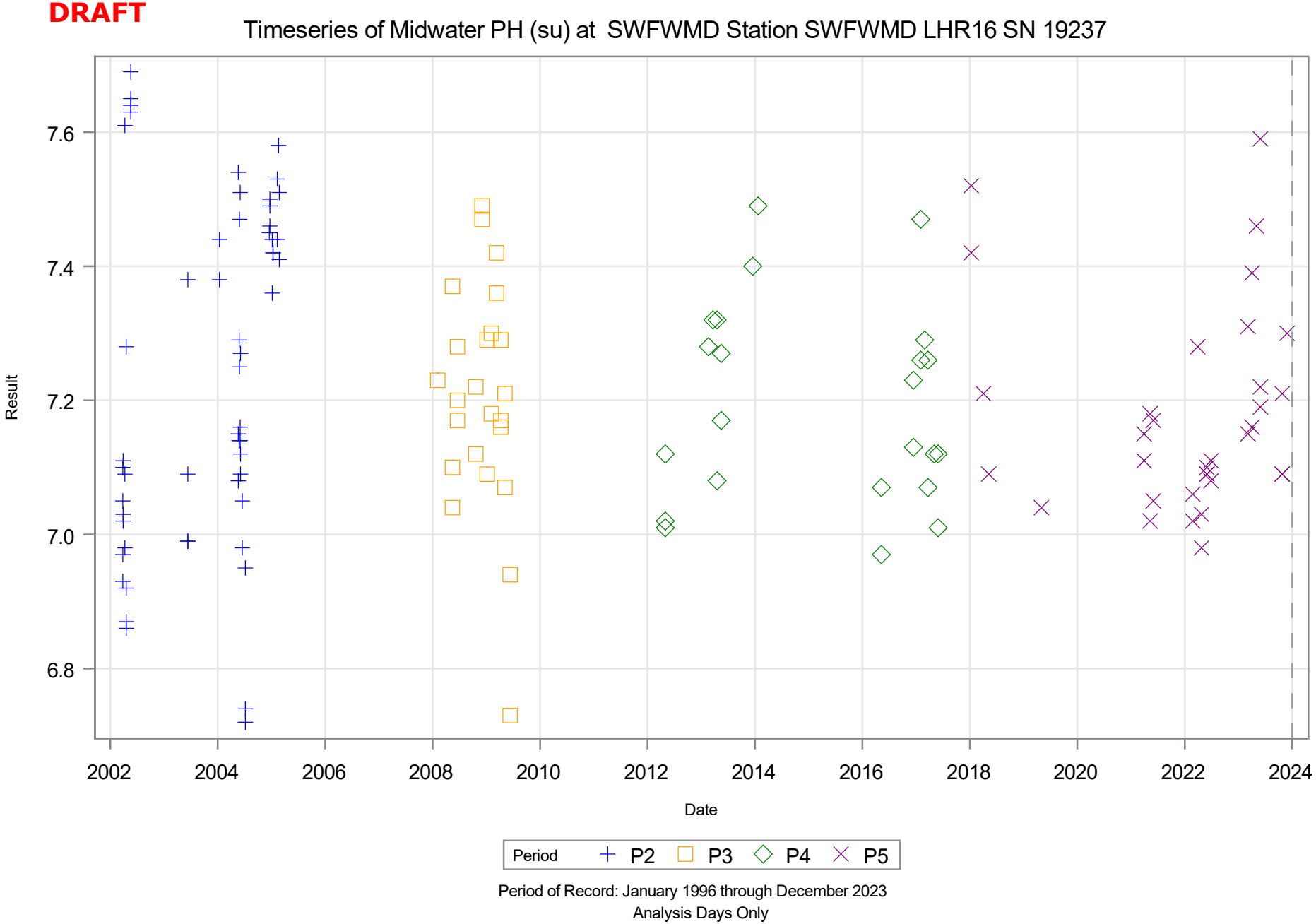
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.74	6.98	7.22	7.14	7.45	7.60
P3	11	6.72	7.04	7.13	7.15	7.19	7.46
P4	14	7.00	7.07	7.16	7.16	7.26	7.33
P5	18	7.02	7.05	7.13	7.10	7.16	7.54

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

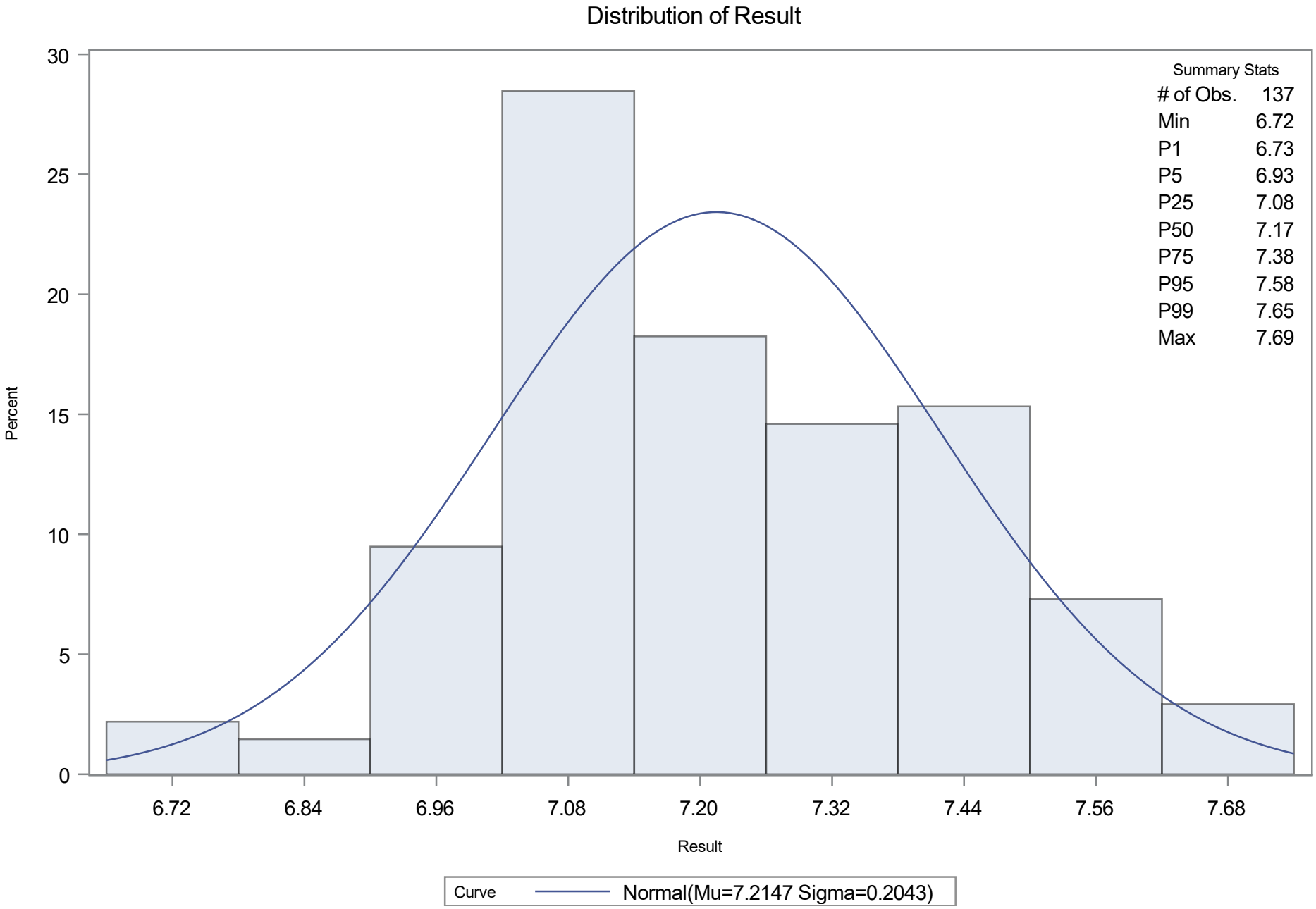

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
7.6
7.4
7.2
7.0
6.8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.214745
Std Dev	Sigma	0.204336

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09761438	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25184282	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.36316401	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.73000	6.73939
5.0	6.93000	6.87864
10.0	6.98000	6.95288
25.0	7.08000	7.07692
50.0	7.17000	7.21474
75.0	7.38000	7.35257
90.0	7.50000	7.47661
95.0	7.58000	7.55085
99.0	7.65000	7.69010

Period of Record: January 1996 through December 2023
Analysis Days Only

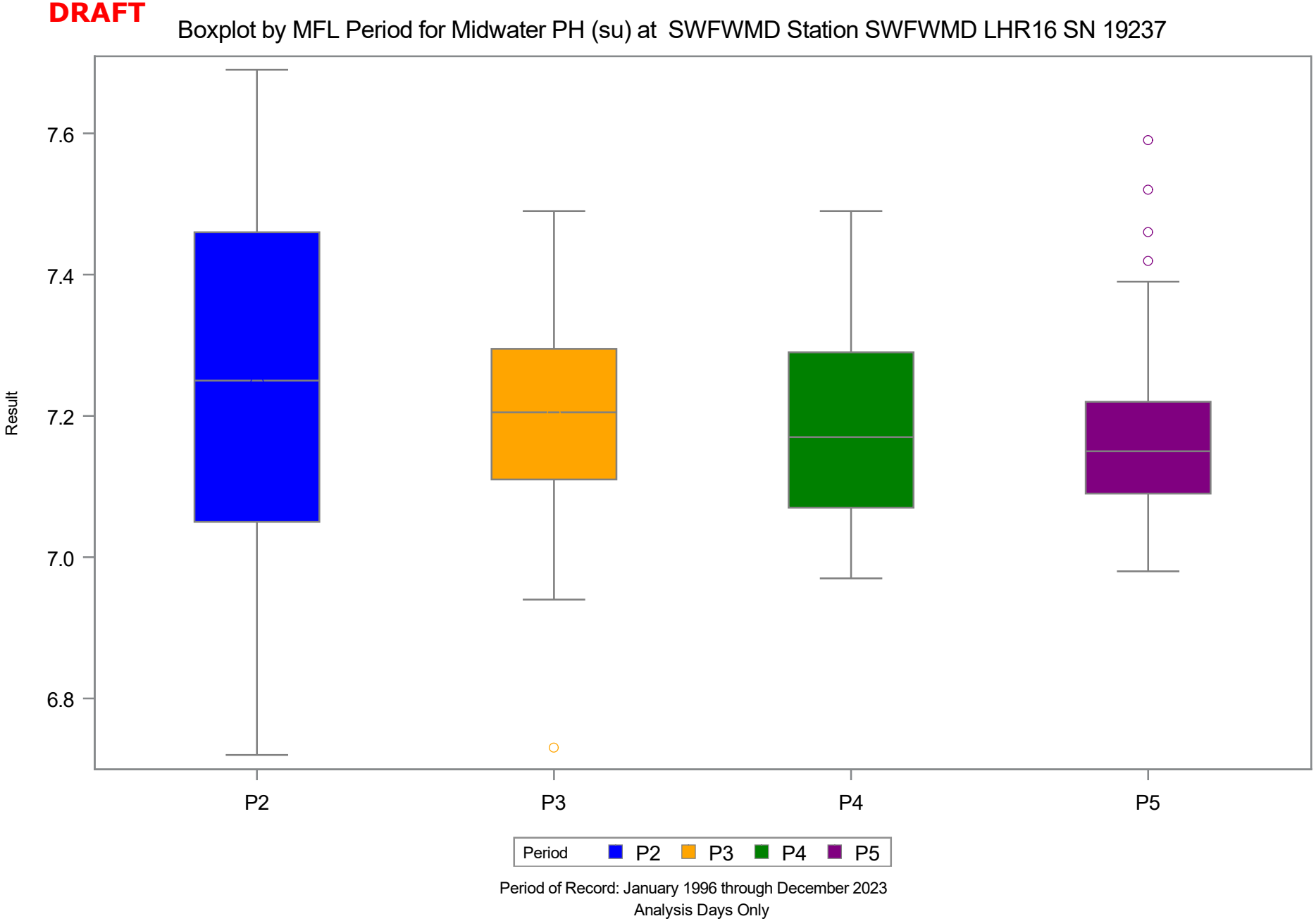
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237

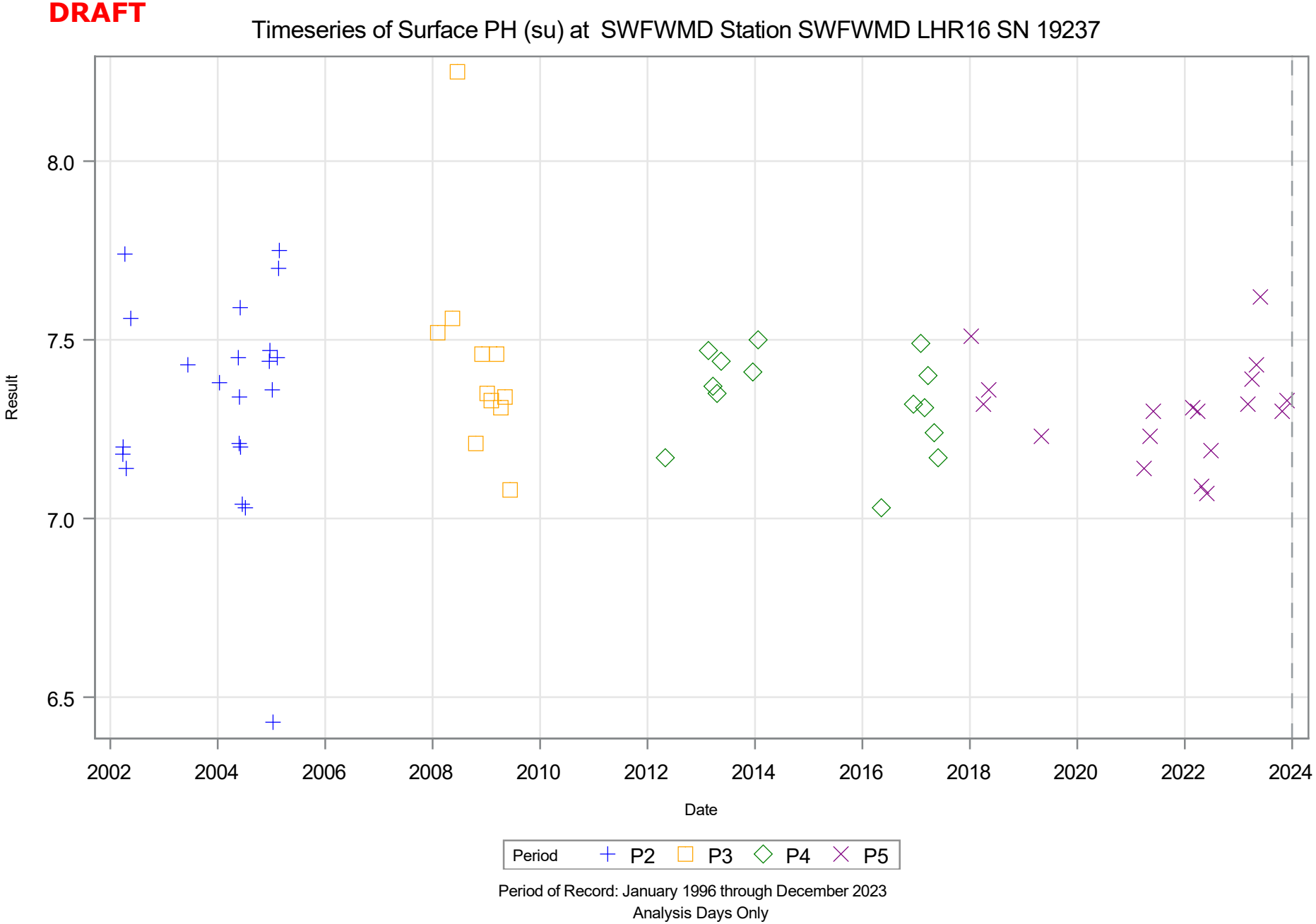
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	57	6.72	7.05	7.25	7.25	7.46	7.69
P3	24	6.73	7.11	7.20	7.21	7.30	7.49
P4	23	6.97	7.07	7.19	7.17	7.29	7.49
P5	33	6.98	7.09	7.18	7.15	7.22	7.59

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

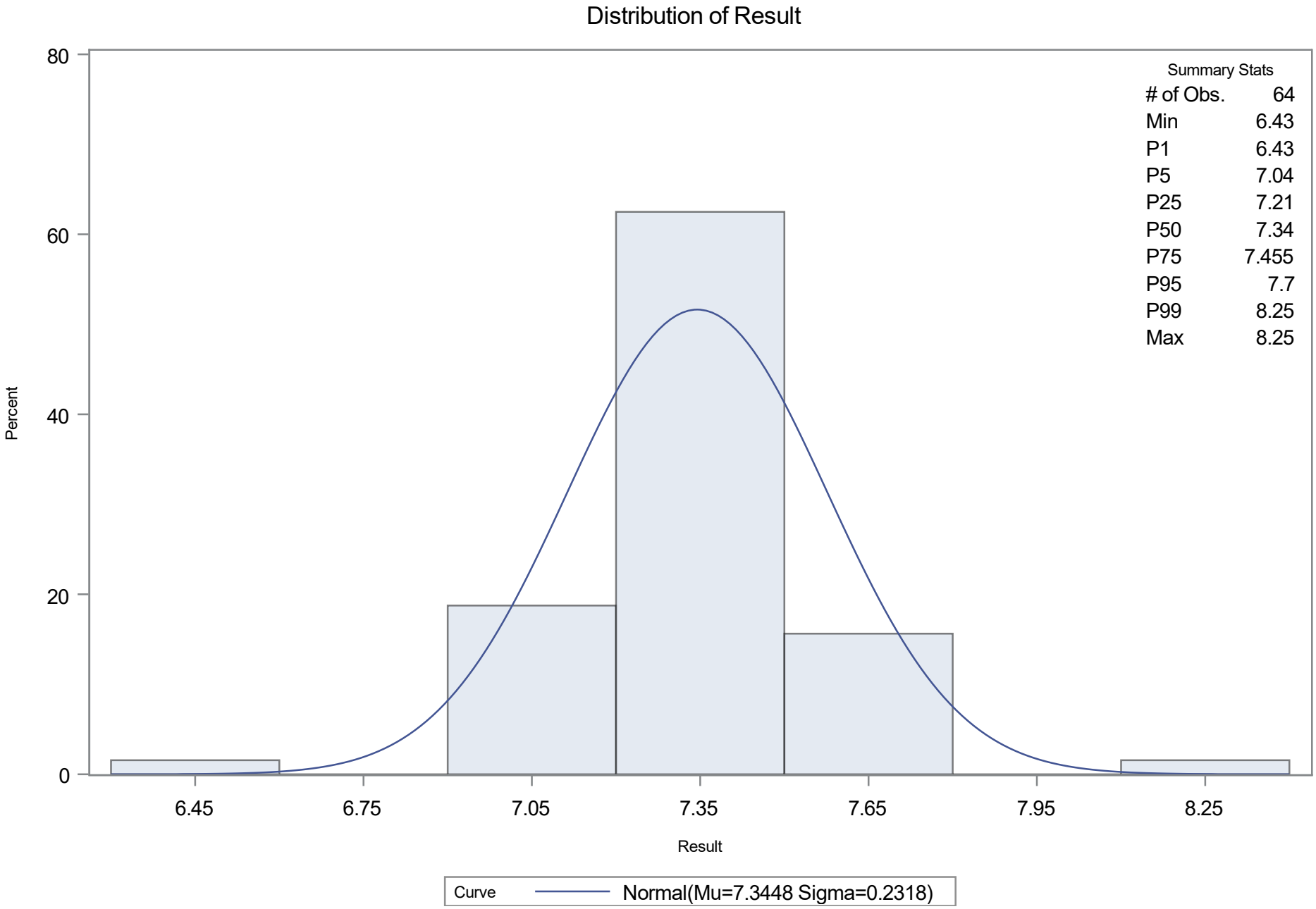

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
7.6
7.4
7.2
7.0
6.8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
8.0
7.5
7.0
6.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.344844
Std Dev	Sigma	0.23177

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11079010	**Pr > D**	0.049
Cramer-von Mises	**W-Sq**	0.18467255	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.26600602	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.43000	6.80567
5.0	7.04000	6.96362
10.0	7.09000	7.04782
25.0	7.21000	7.18852
50.0	7.34000	7.34484
75.0	7.45500	7.50117
90.0	7.56000	7.64187
95.0	7.70000	7.72607
99.0	8.25000	7.88402

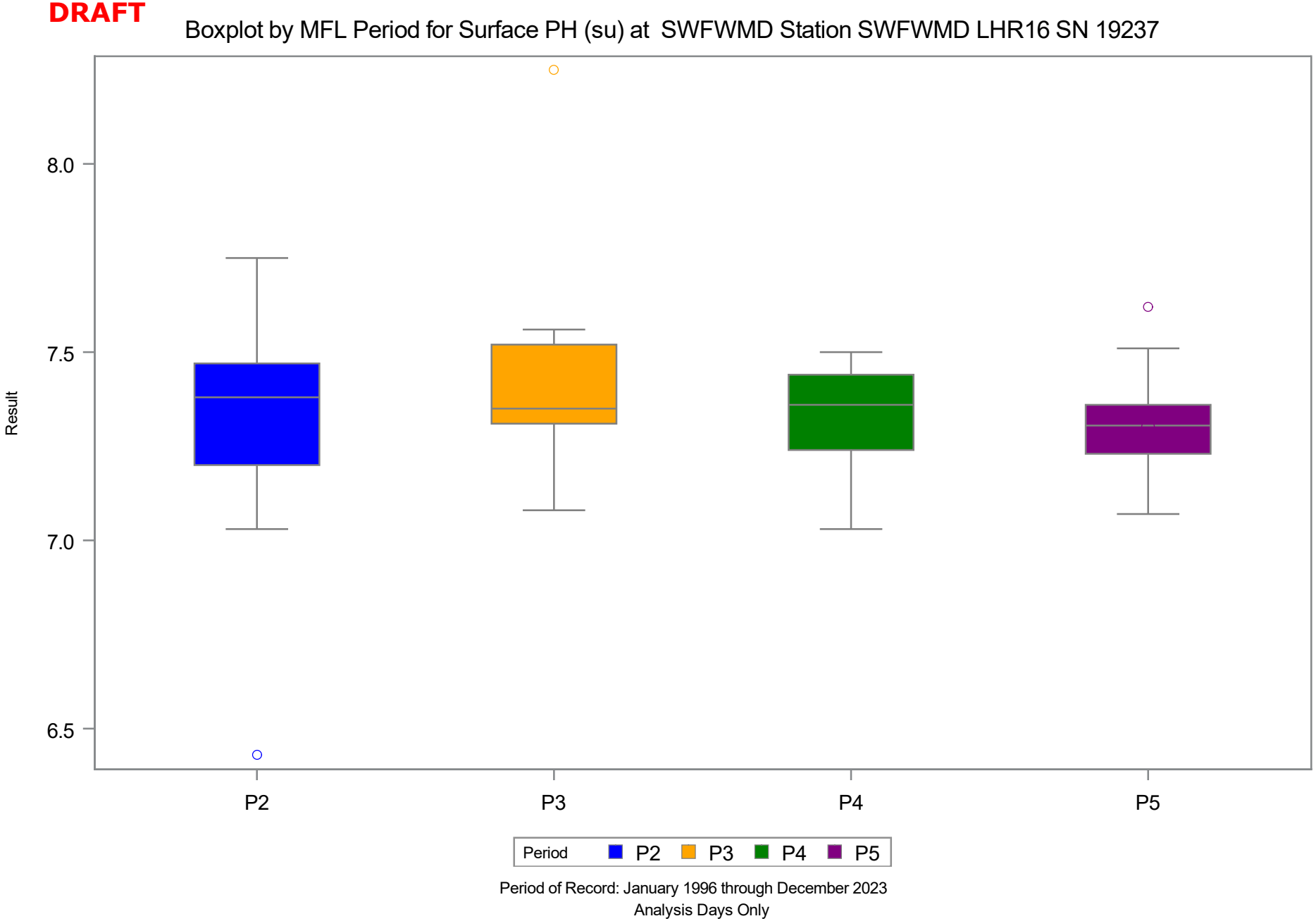
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237**

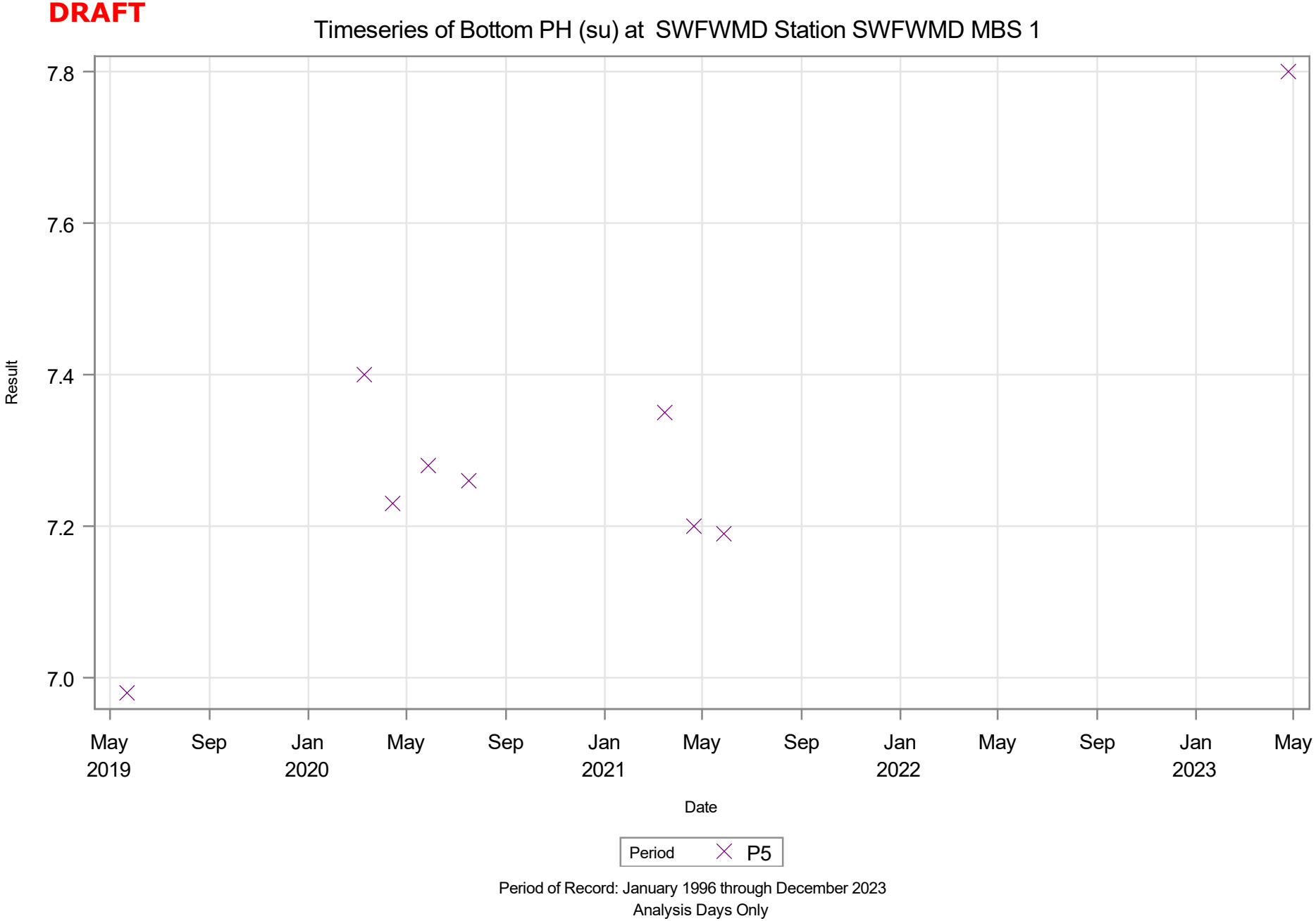
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.43	7.20	7.34	7.38	7.47	7.75
P3	11	7.08	7.31	7.44	7.35	7.52	8.25
P4	14	7.03	7.24	7.33	7.36	7.44	7.50
P5	18	7.07	7.23	7.30	7.31	7.36	7.62

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

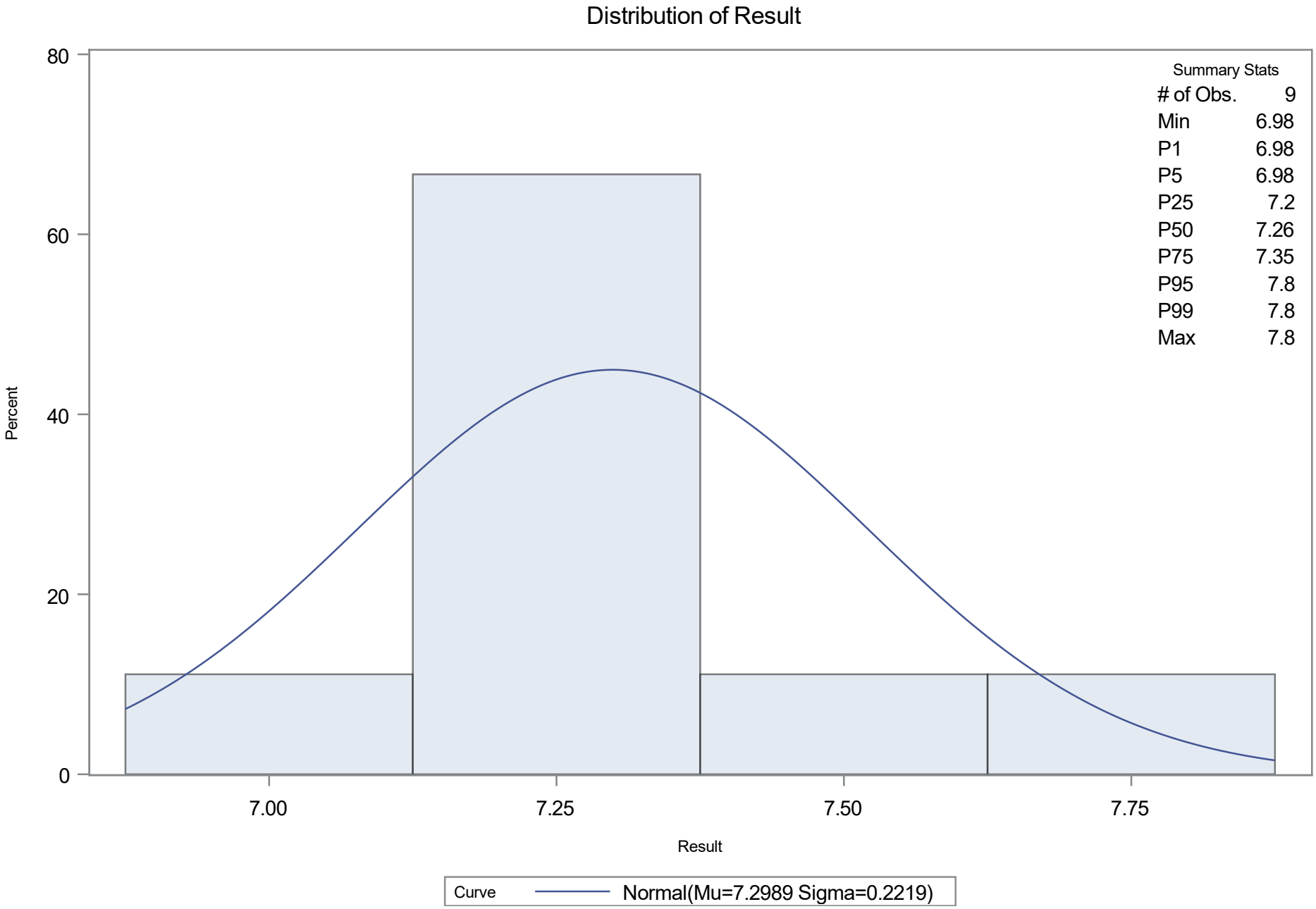

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
8.0
7.5
7.0
6.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD MBS 1
Result
7.8
7.6
7.4
7.2
7.0
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.298889
Std Dev	Sigma	0.221892

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21320006	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10316907	**Pr > W-Sq**	0.089
Anderson-Darling	**A-Sq**	0.60340947	**Pr > A-Sq**	0.084

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.98000	6.78269
5.0	6.98000	6.93391
10.0	6.98000	7.01452
25.0	7.20000	7.14922
50.0	7.26000	7.29889
75.0	7.35000	7.44855
90.0	7.80000	7.58326
95.0	7.80000	7.66387
99.0	7.80000	7.81509

Period of Record: January 1996 through December 2023
Analysis Days Only

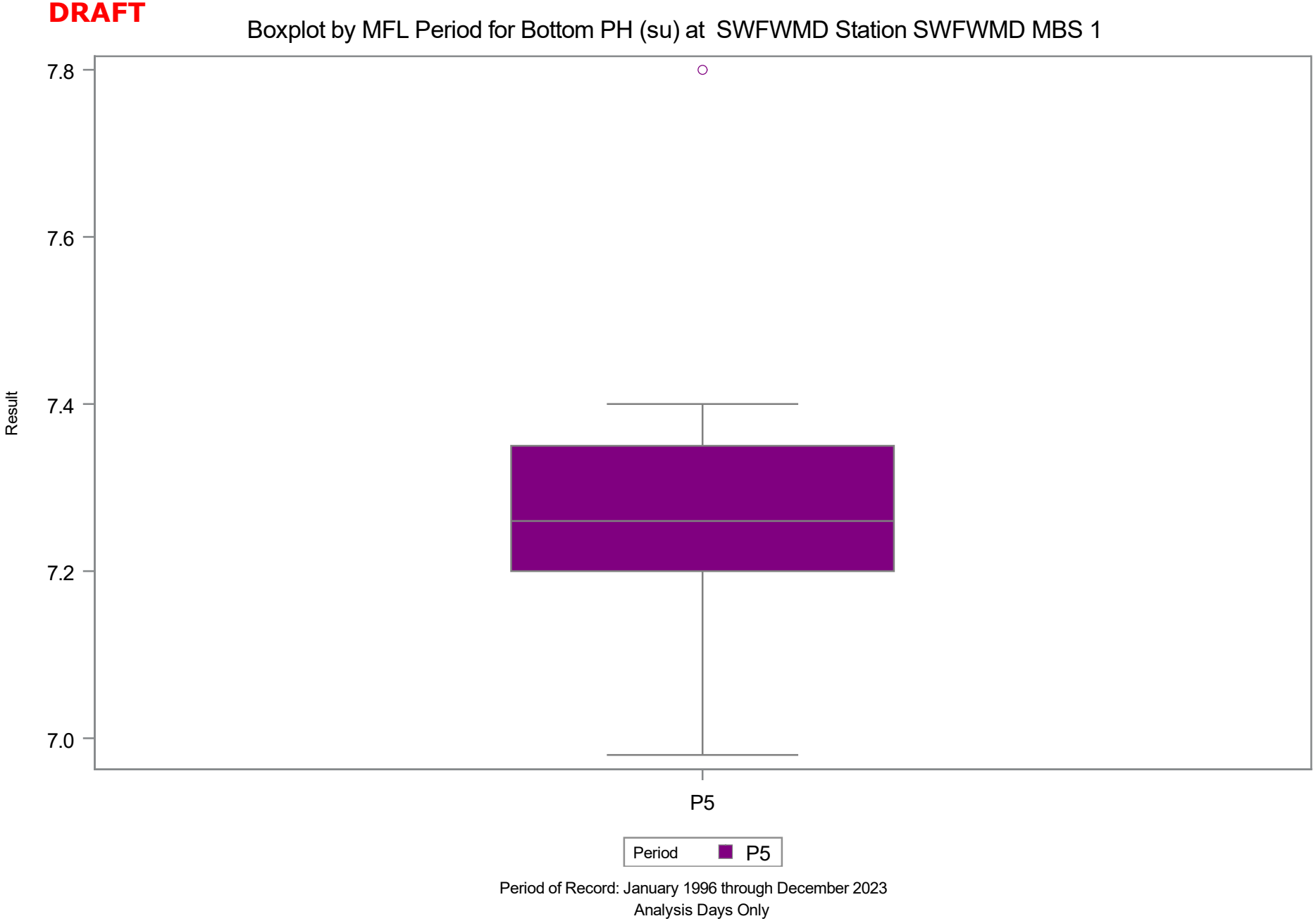
DRAFT

Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD MBS 1

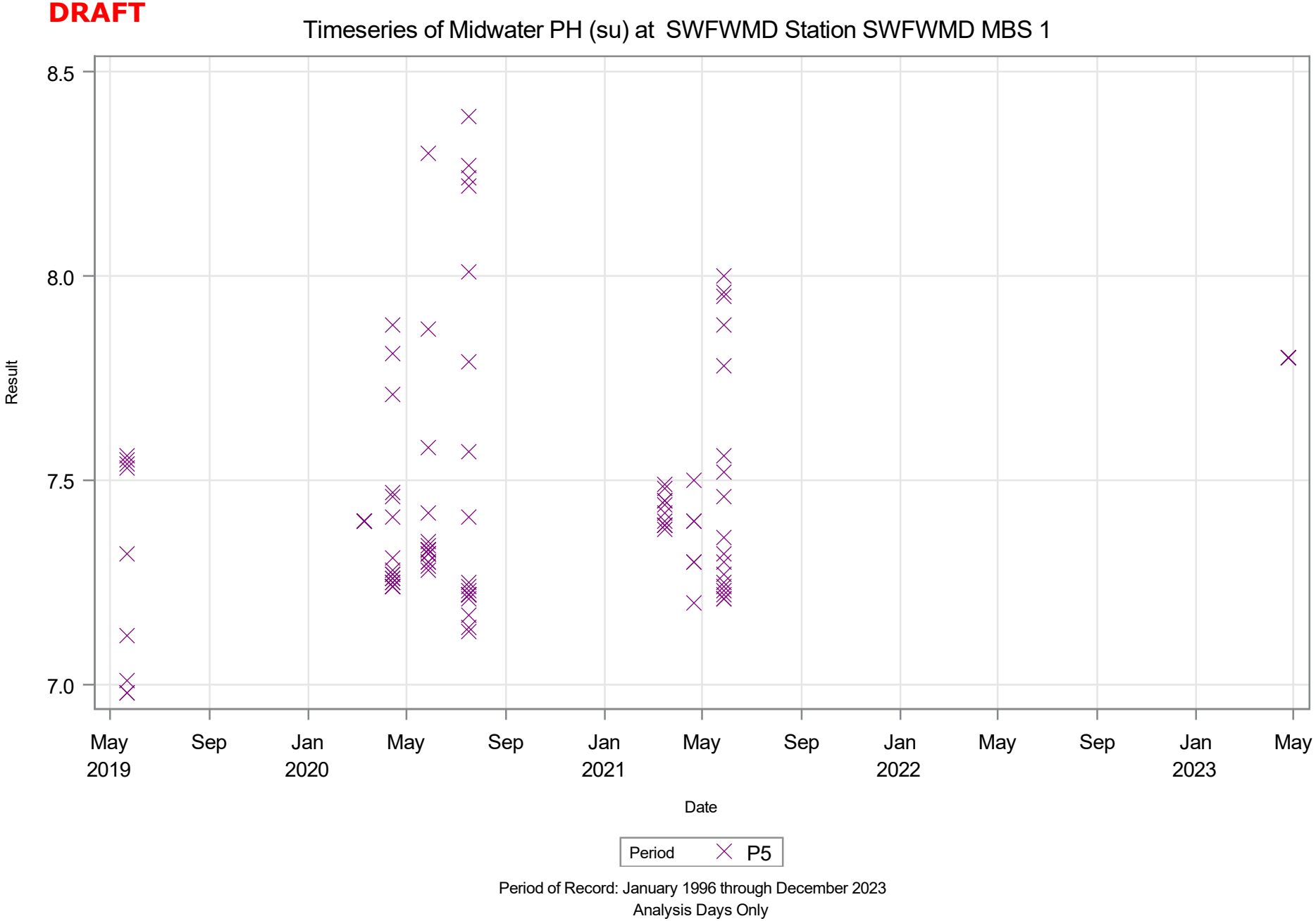
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	6.98	7.20	7.30	7.26	7.35	7.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

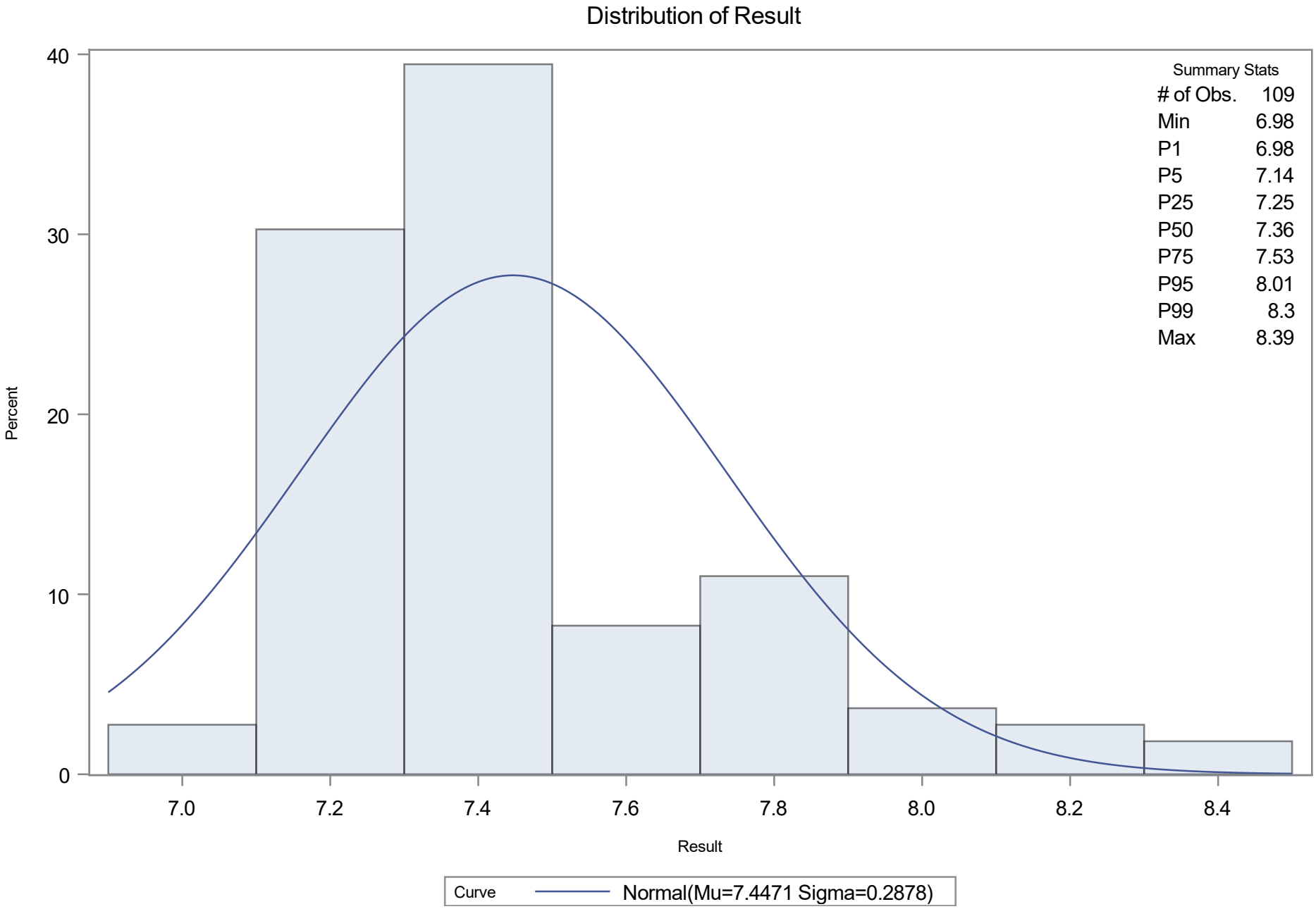

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD MBS 1
Result
7.8
7.6
7.4
7.2
7.0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD MBS 1
8.5
8.0
7.5
7.0
Result
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.447064
Std Dev	Sigma	0.287815

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18883480	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.07025334	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.73390388	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.98000	6.77751
5.0	7.14000	6.97365
10.0	7.21000	7.07821
25.0	7.25000	7.25294
50.0	7.36000	7.44706
75.0	7.53000	7.64119
90.0	7.88000	7.81591
95.0	8.01000	7.92048
99.0	8.30000	8.11662

Period of Record: January 1996 through December 2023
Analysis Days Only

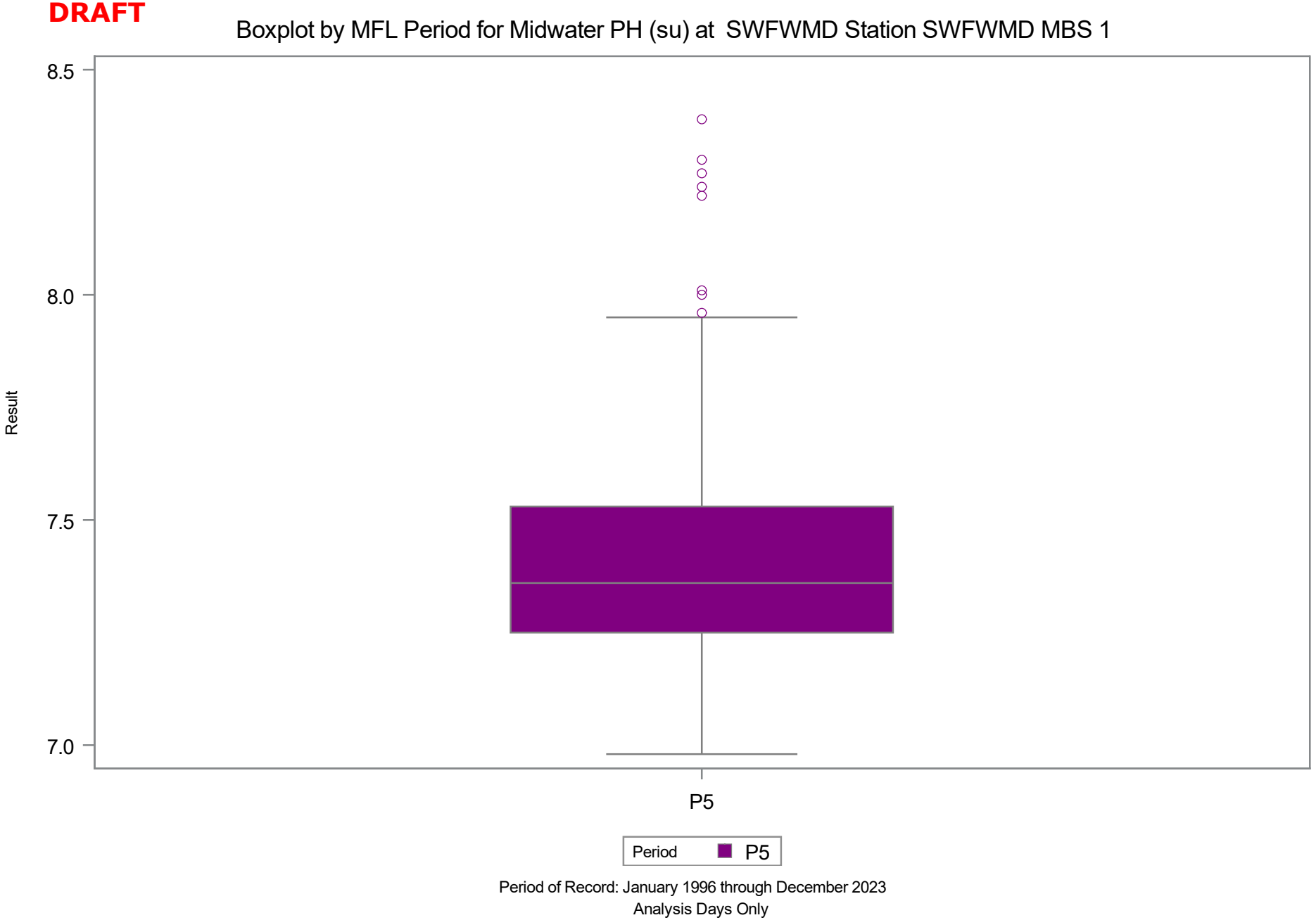
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD MBS 1

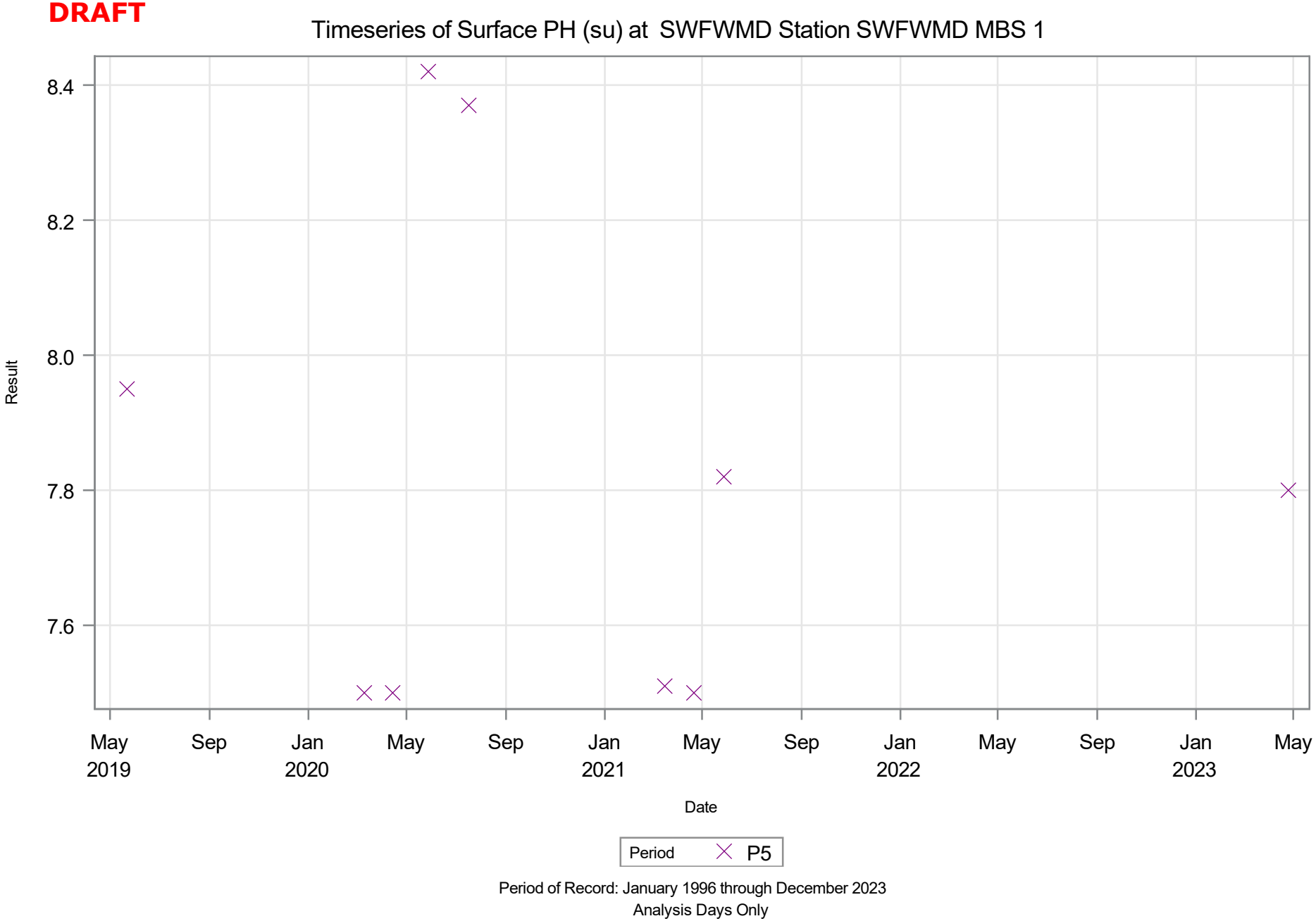
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	109	6.98	7.25	7.45	7.36	7.53	8.39

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

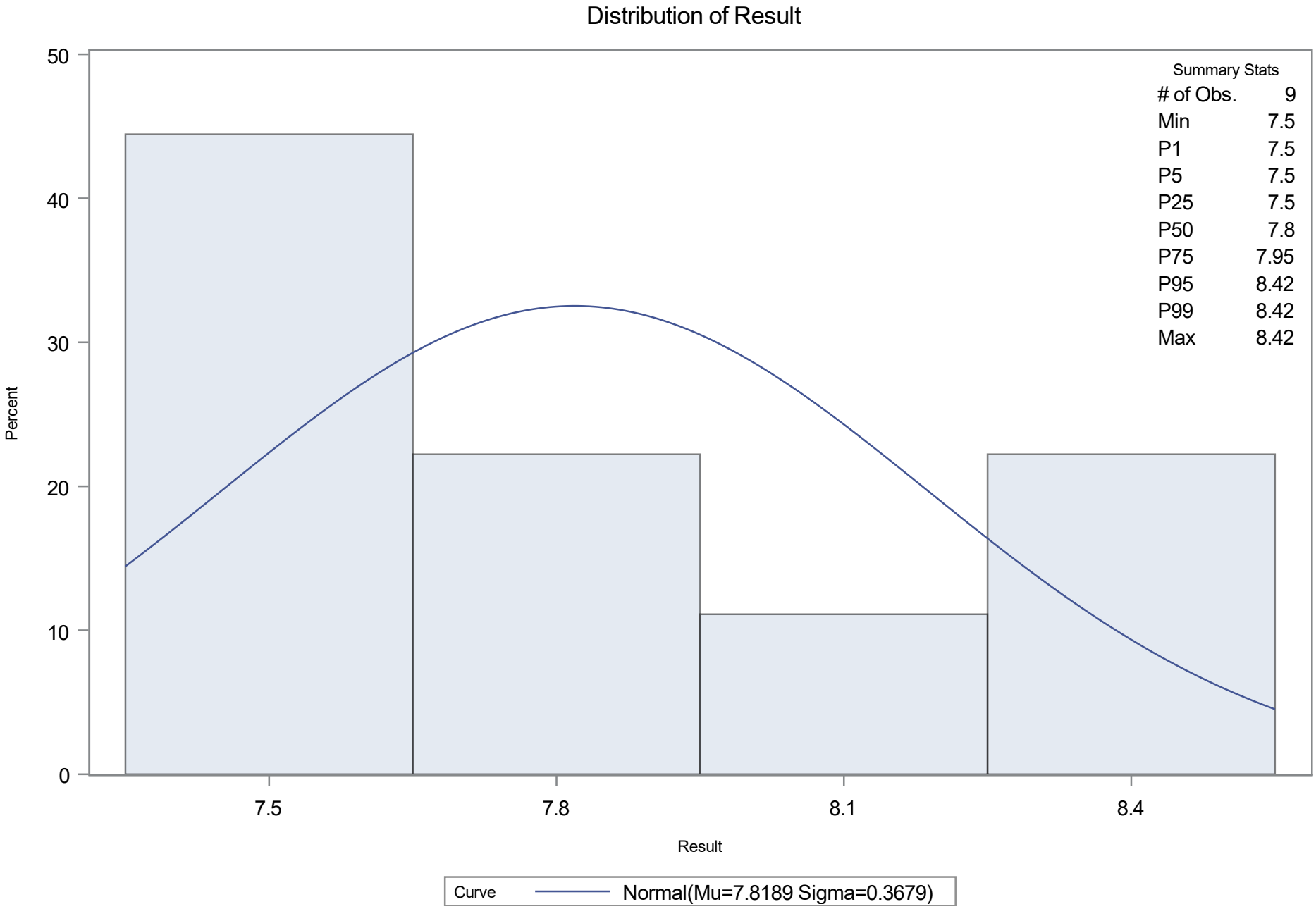

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD MBS 1
8.5
8.0
7.5
7.0
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD MBS 1
Result
8.4
8.2
8.0
7.8
7.6
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.818889
Std Dev	Sigma	0.367949

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24384708	**Pr > D**	0.124
Cramer-von Mises	**W-Sq**	0.10081925	**Pr > W-Sq**	0.094
Anderson-Darling	**A-Sq**	0.67220154	**Pr > A-Sq**	0.052

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.50000	6.96291
5.0	7.50000	7.21367
10.0	7.50000	7.34734
25.0	7.50000	7.57071
50.0	7.80000	7.81889
75.0	7.95000	8.06707
90.0	8.42000	8.29043
95.0	8.42000	8.42411
99.0	8.42000	8.67487

Period of Record: January 1996 through December 2023
Analysis Days Only

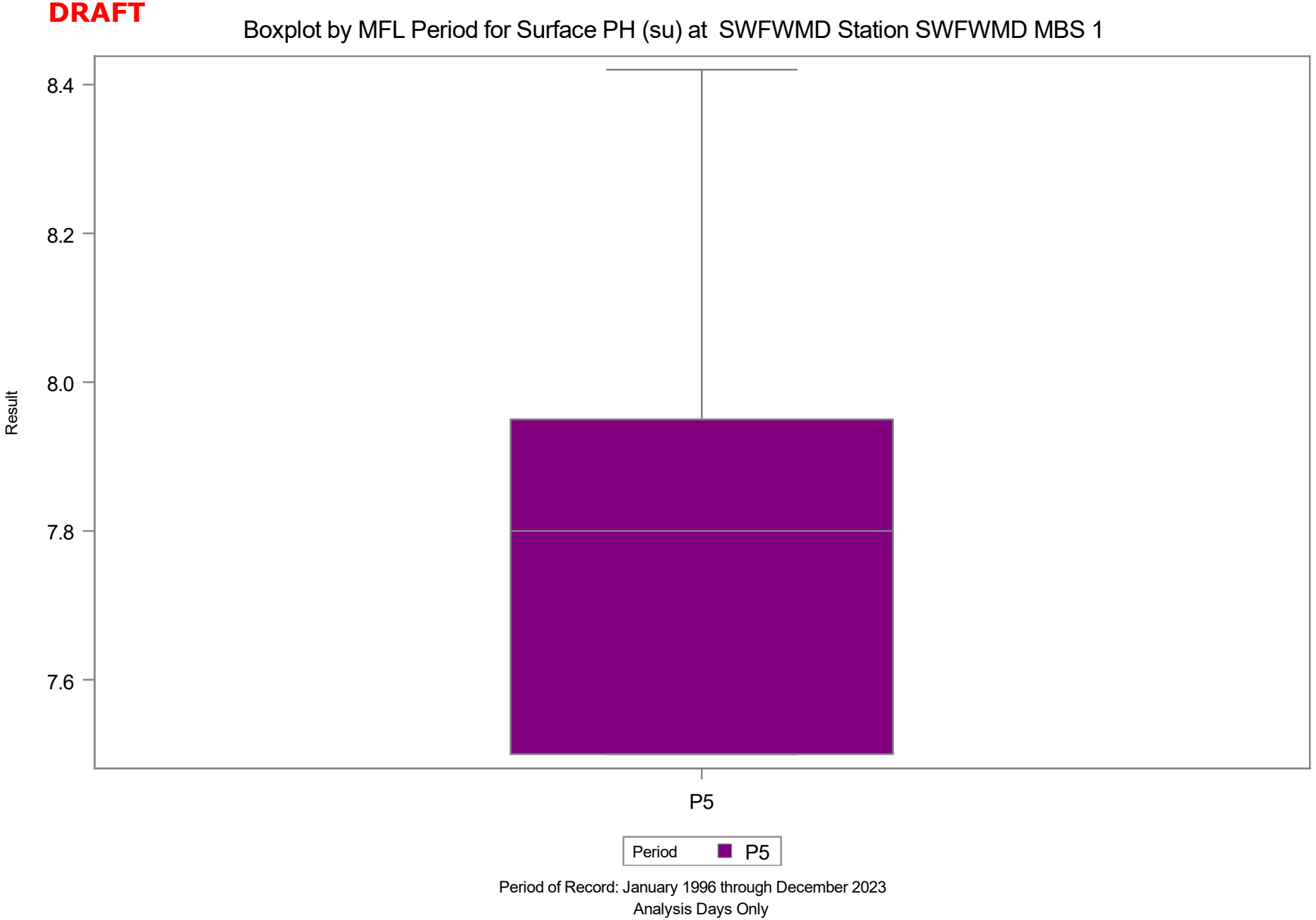
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD MBS 1

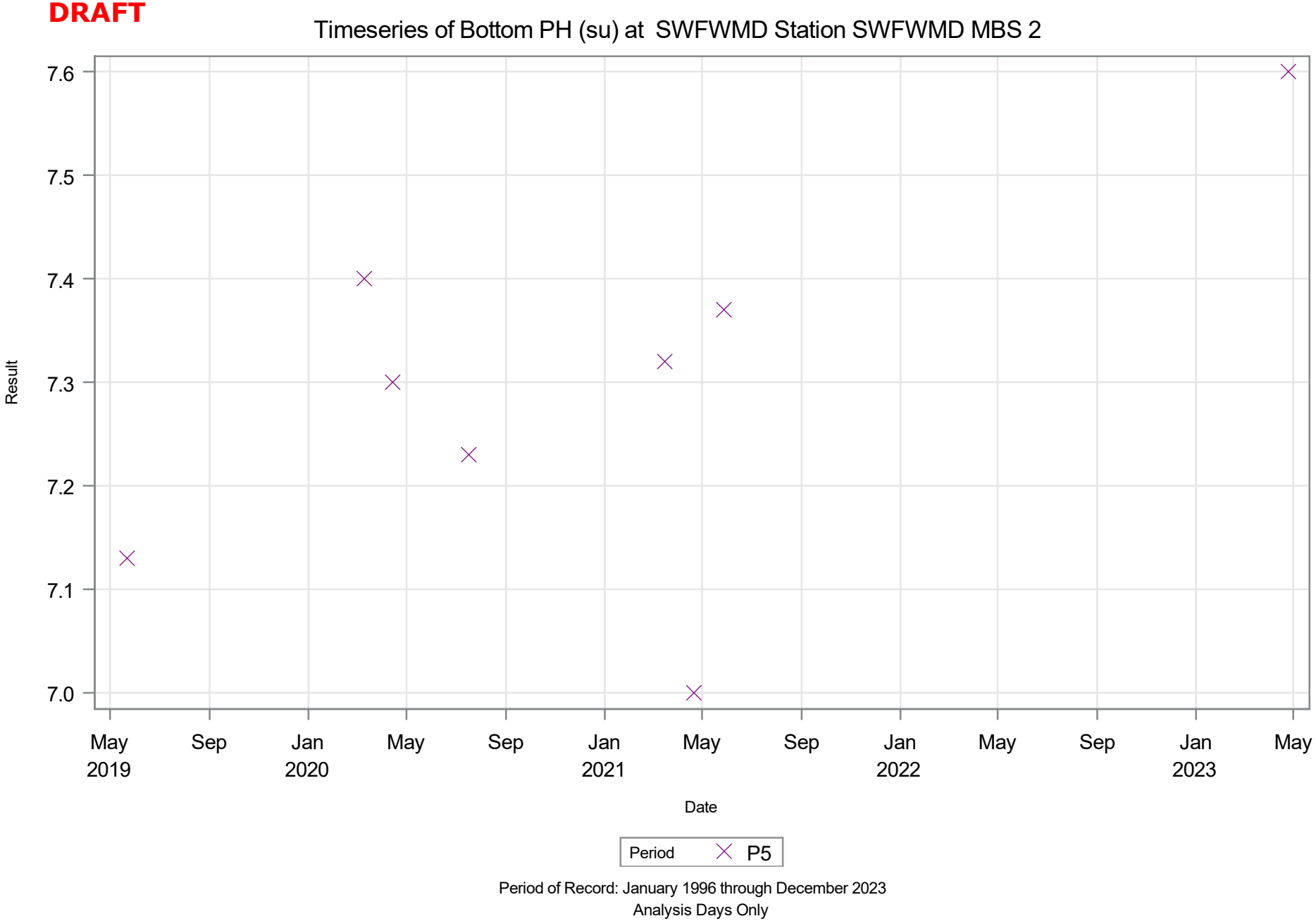
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	7.50	7.50	7.82	7.80	7.95	8.42

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD MBS 1
Result
8.4
8.2
8.0
7.8
7.6
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

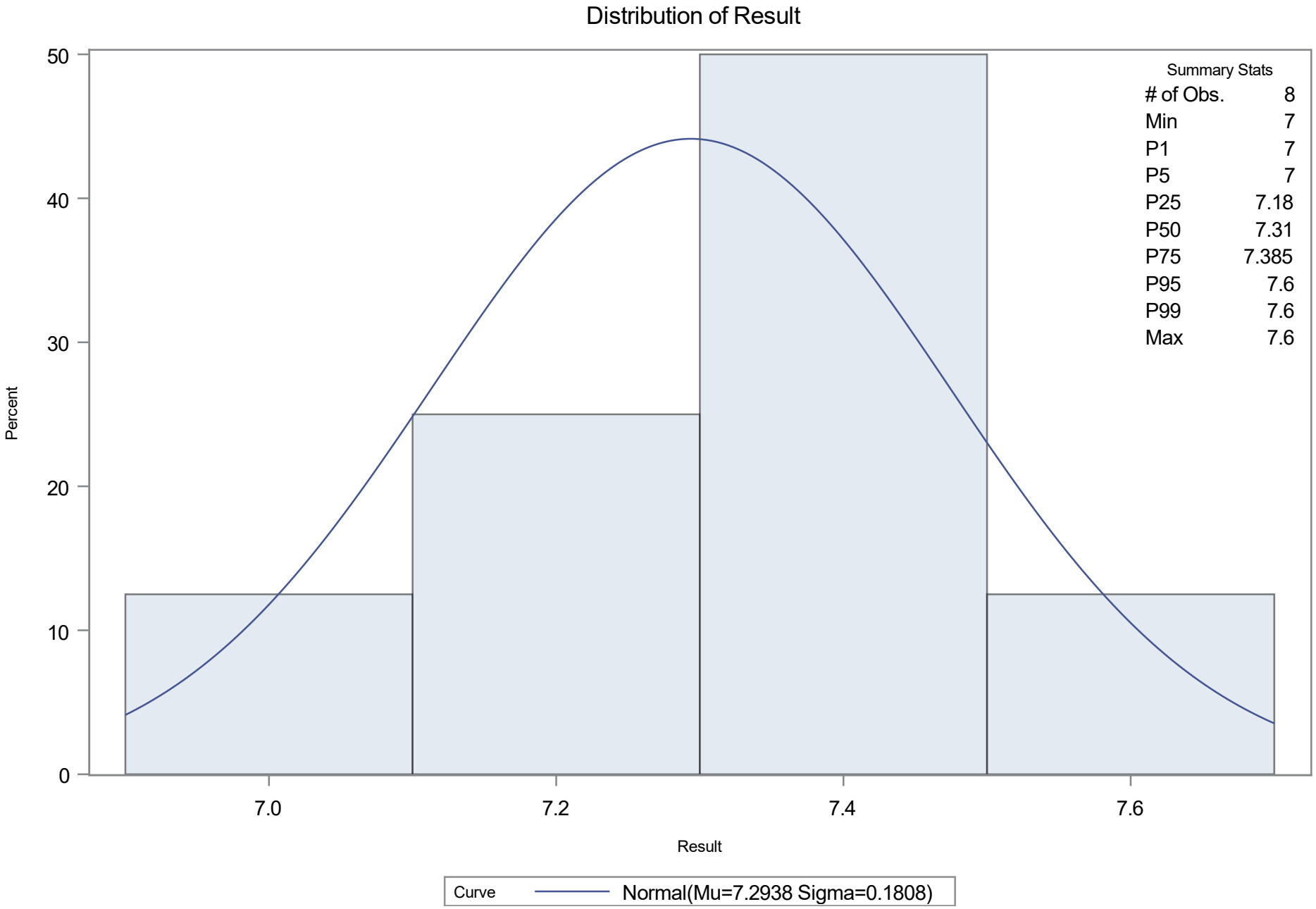
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.29375
Std Dev	Sigma	0.180787

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15336406	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02799952	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18109424	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.00000	6.87318
5.0	7.00000	6.99638
10.0	7.00000	7.06206
25.0	7.18000	7.17181
50.0	7.31000	7.29375
75.0	7.38500	7.41569
90.0	7.60000	7.52544
95.0	7.60000	7.59112
99.0	7.60000	7.71432

Period of Record: January 1996 through December 2023
Analysis Days Only

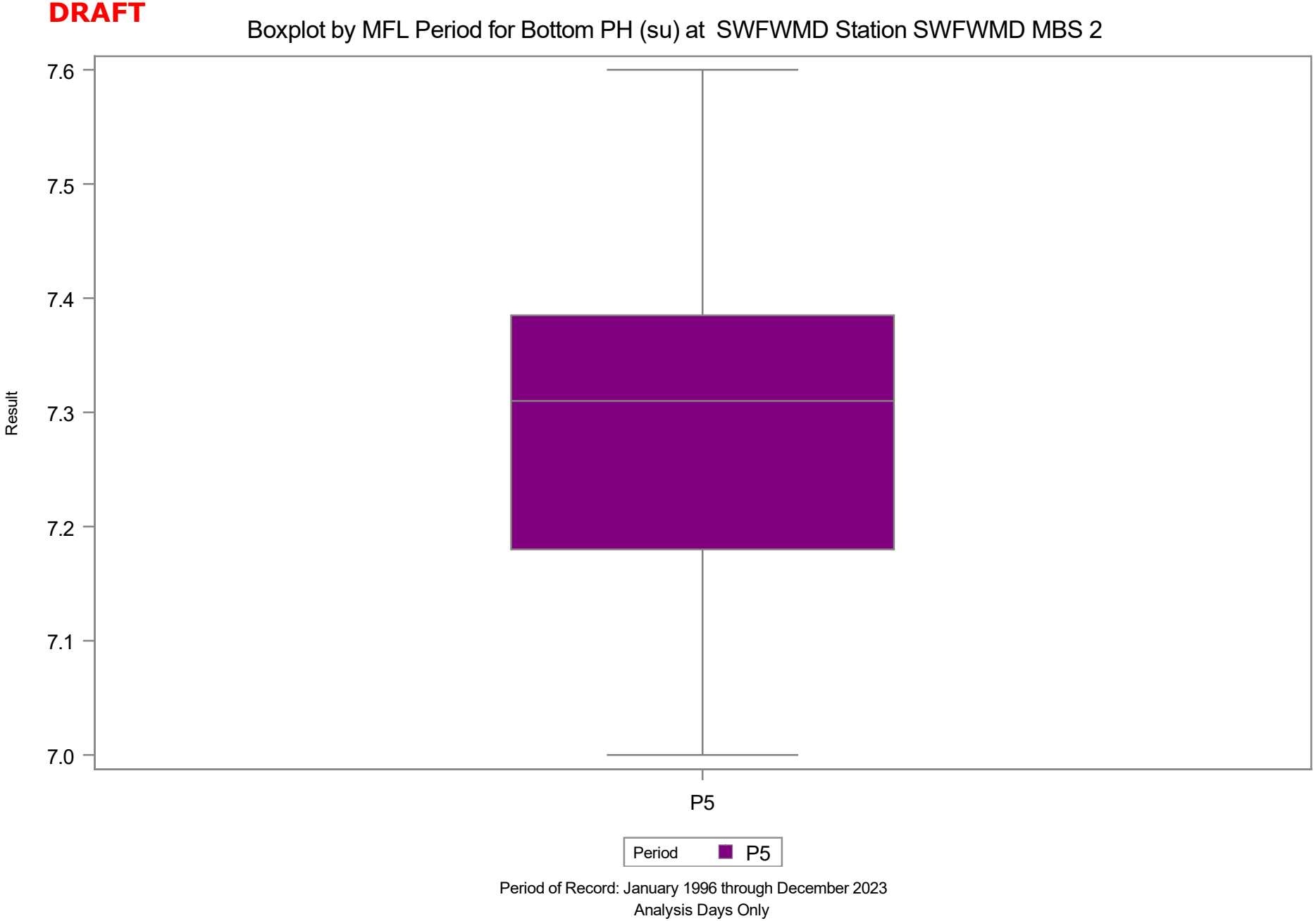
DRAFT

Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD MBS 2

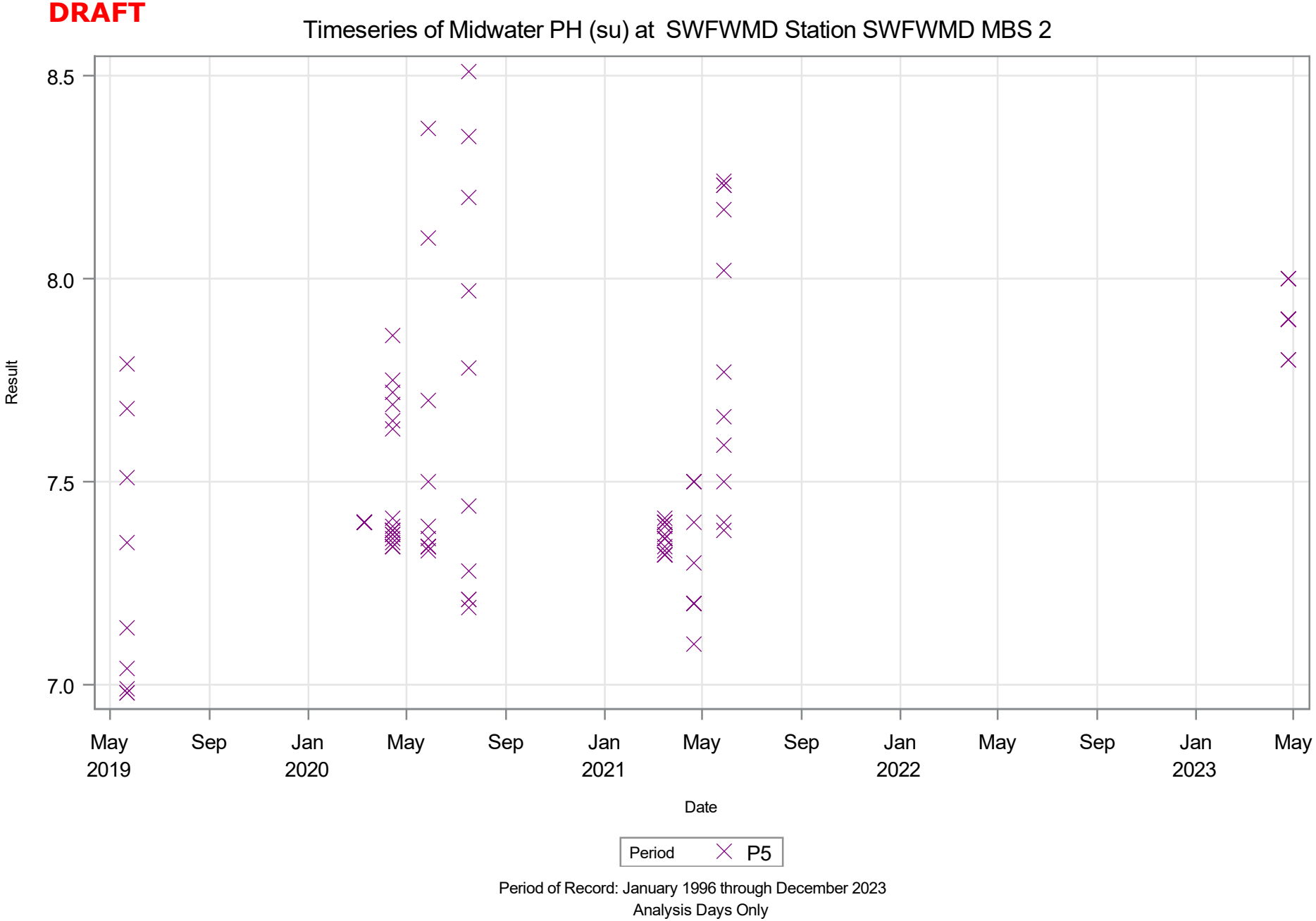
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	7.00	7.18	7.29	7.31	7.39	7.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

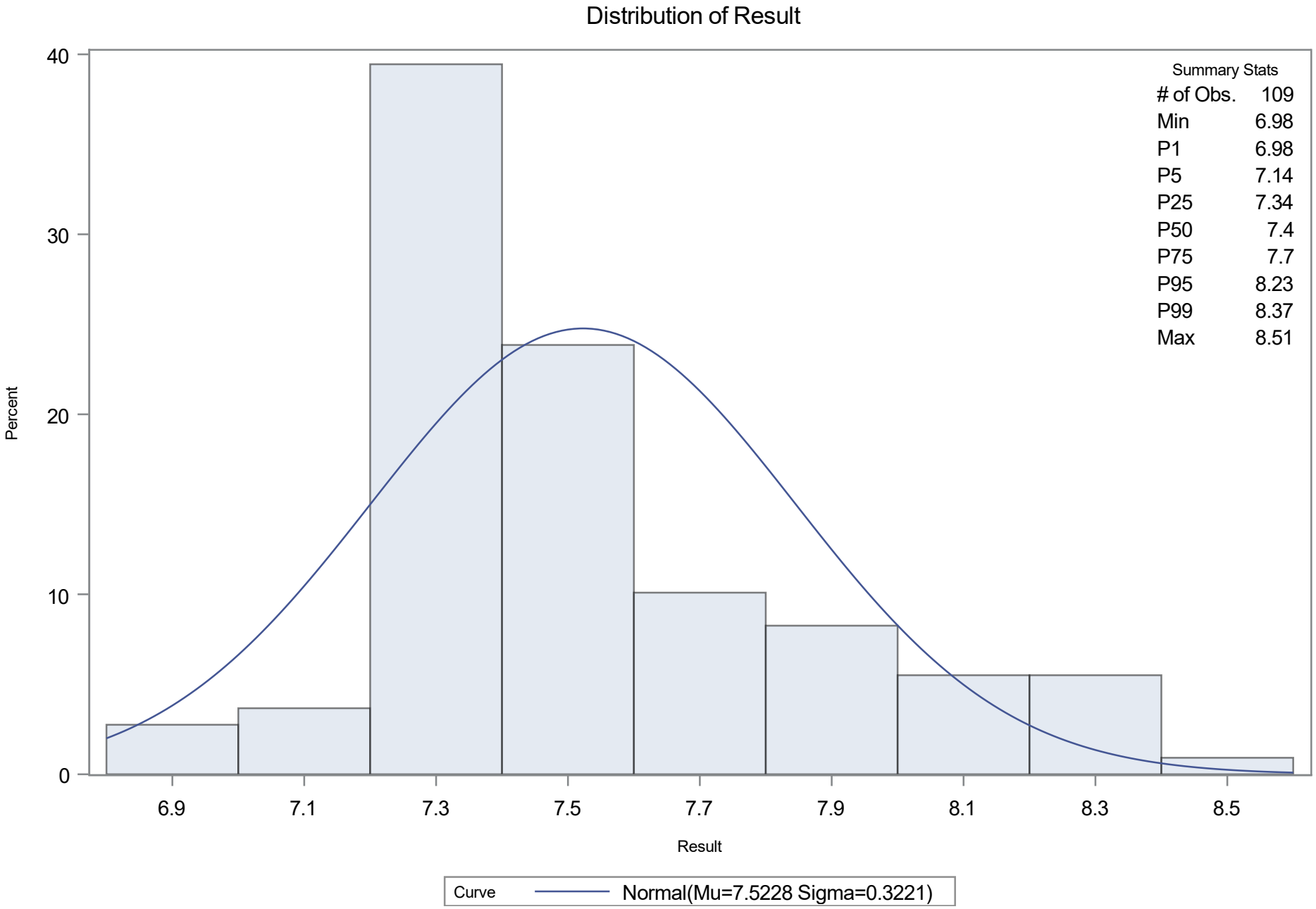

Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD MBS 2
Result
7.6
7.5
7.4
7.3
7.2
7.1
7.0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at SWFWMD Station SWFWMD MBS 2
8.5
8.0
7.5
7.0
Result
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.522844
Std Dev	Sigma	0.322108

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26080742	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.23601084	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.05807550	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.98000	6.77351
5.0	7.14000	6.99302
10.0	7.20000	7.11005
25.0	7.34000	7.30559
50.0	7.40000	7.52284
75.0	7.70000	7.74010
90.0	8.00000	7.93564
95.0	8.23000	8.05267
99.0	8.37000	8.27218

Period of Record: January 1996 through December 2023
Analysis Days Only

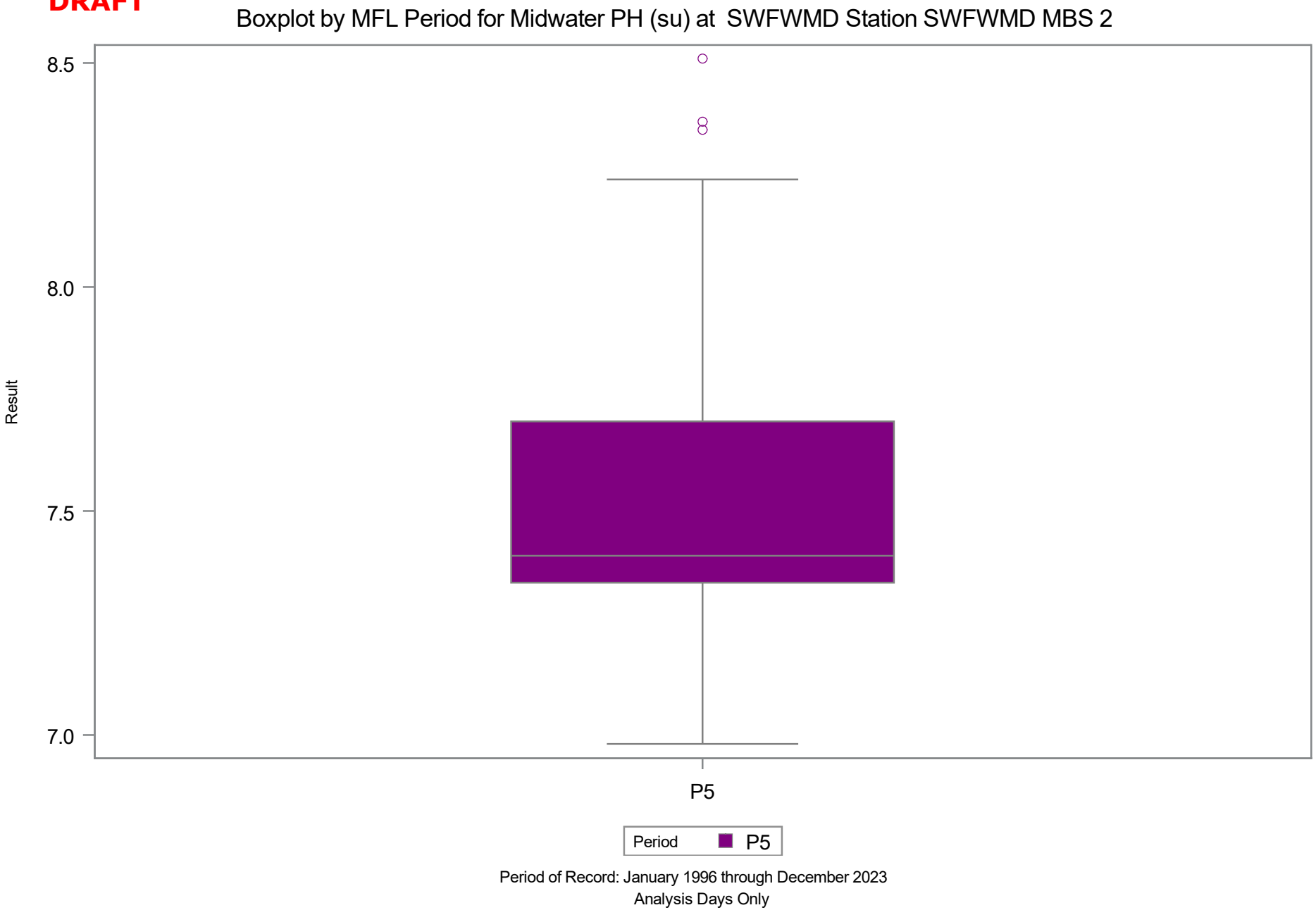
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD MBS 2

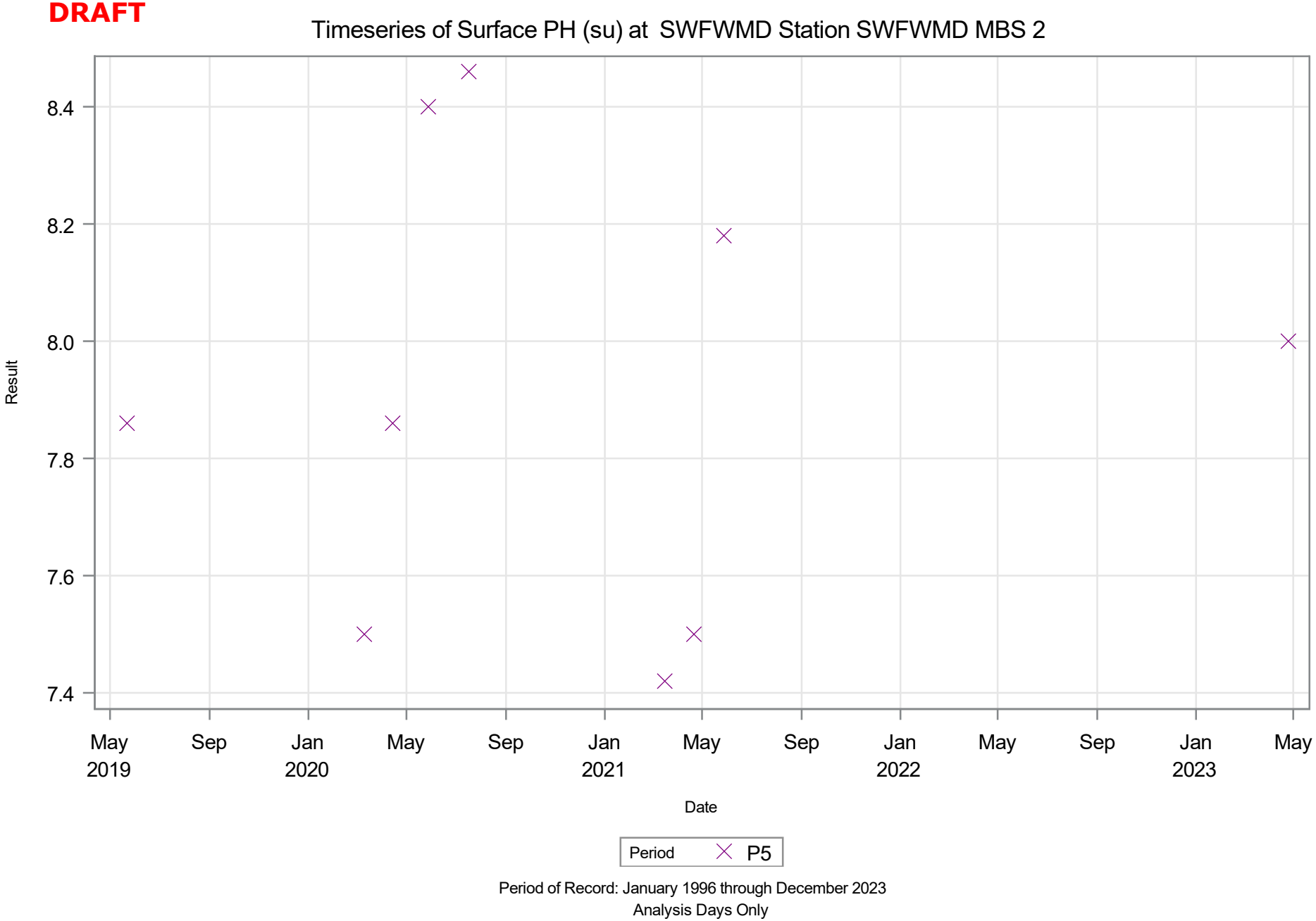
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	109	6.98	7.34	7.52	7.40	7.70	8.51

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

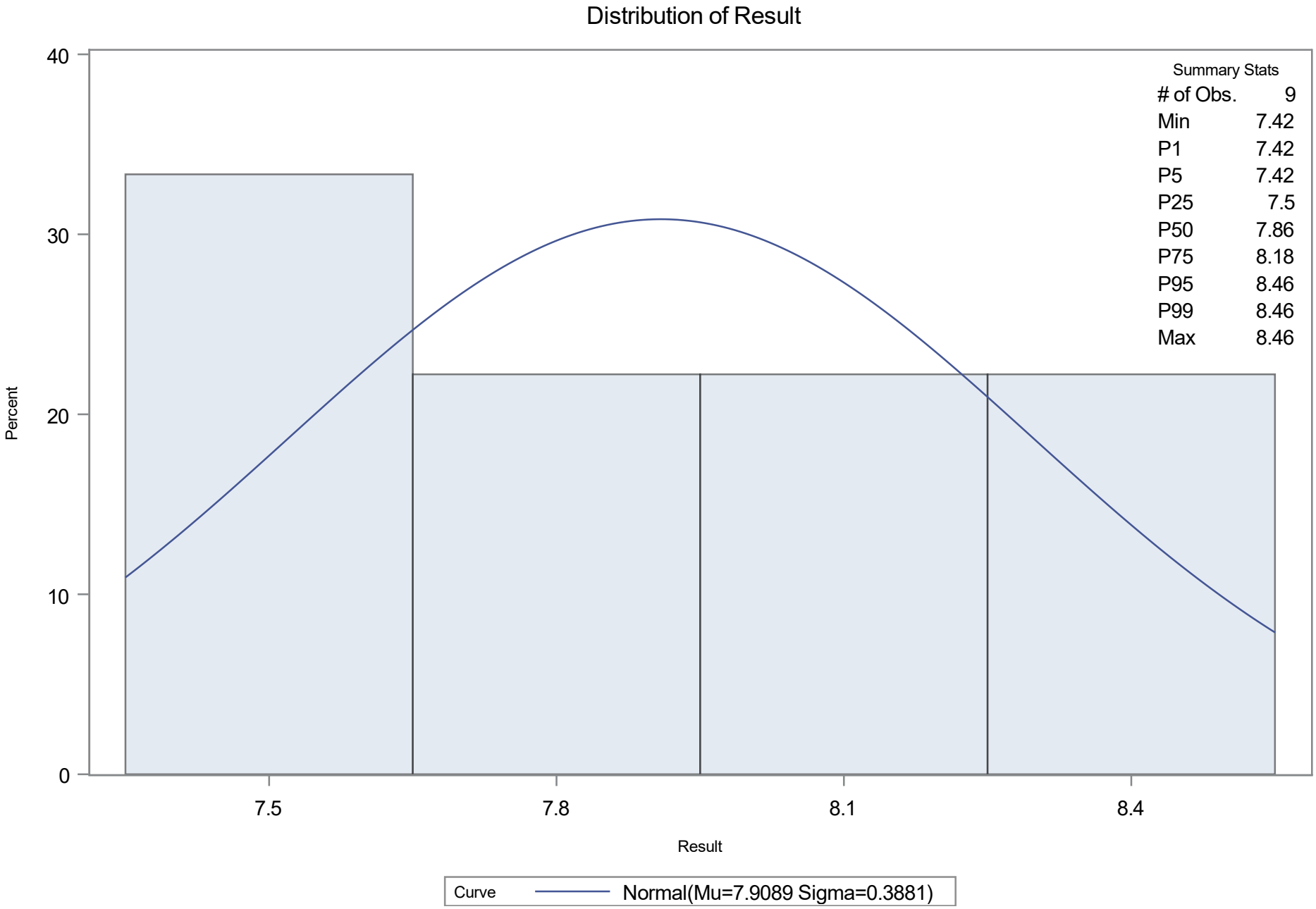

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD MBS 2
8.5
8.0
7.5
7.0
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD MBS 2
Result
8.4
8.2
8.0
7.8
7.6
7.4
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.908889
Std Dev	Sigma	0.388086

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18730087	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04176216	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31010277	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.42000	7.00606
5.0	7.42000	7.27054
10.0	7.42000	7.41154
25.0	7.50000	7.64713
50.0	7.86000	7.90889
75.0	8.18000	8.17065
90.0	8.46000	8.40624
95.0	8.46000	8.54723
99.0	8.46000	8.81171

Period of Record: January 1996 through December 2023
Analysis Days Only

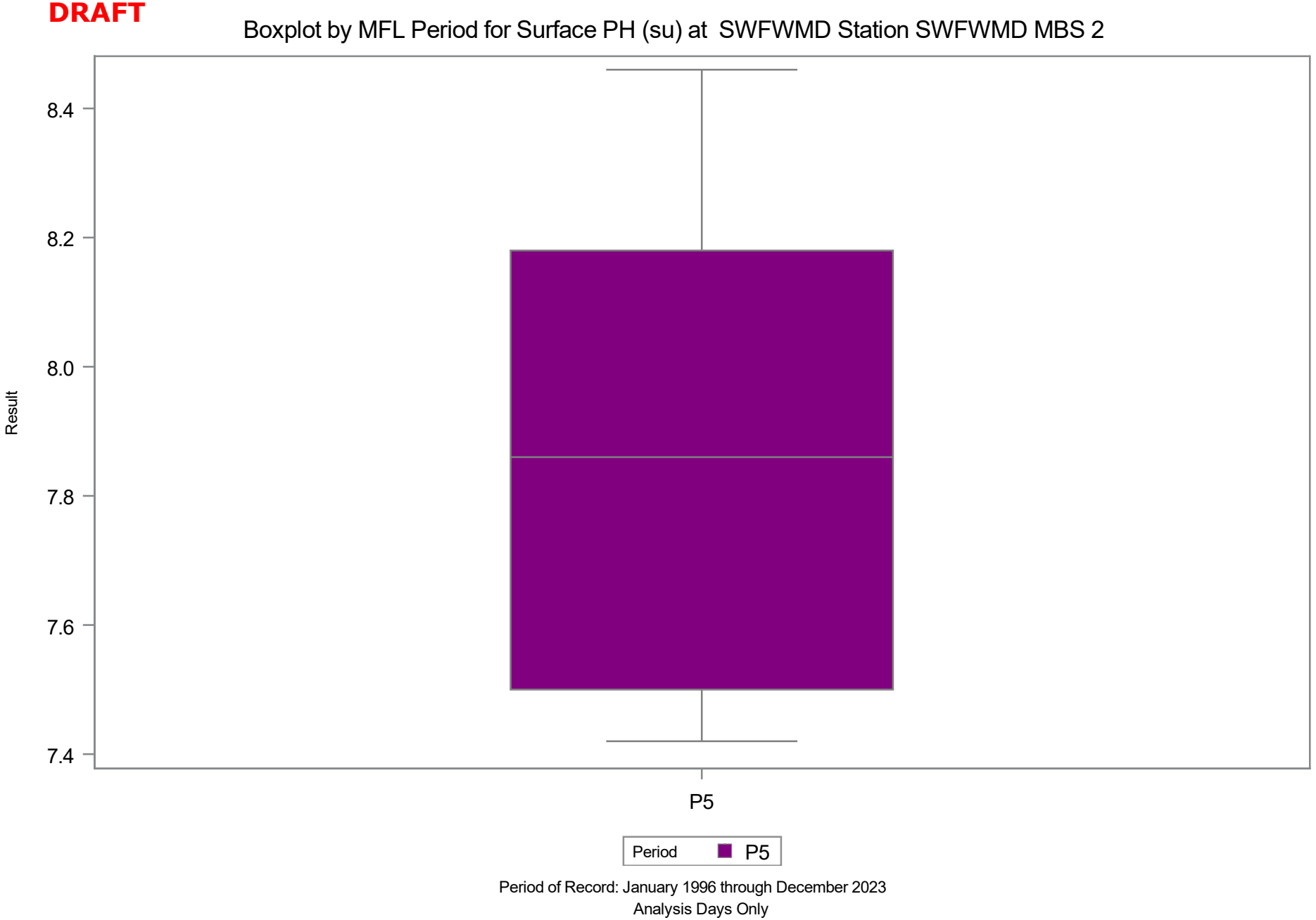
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD MBS 2

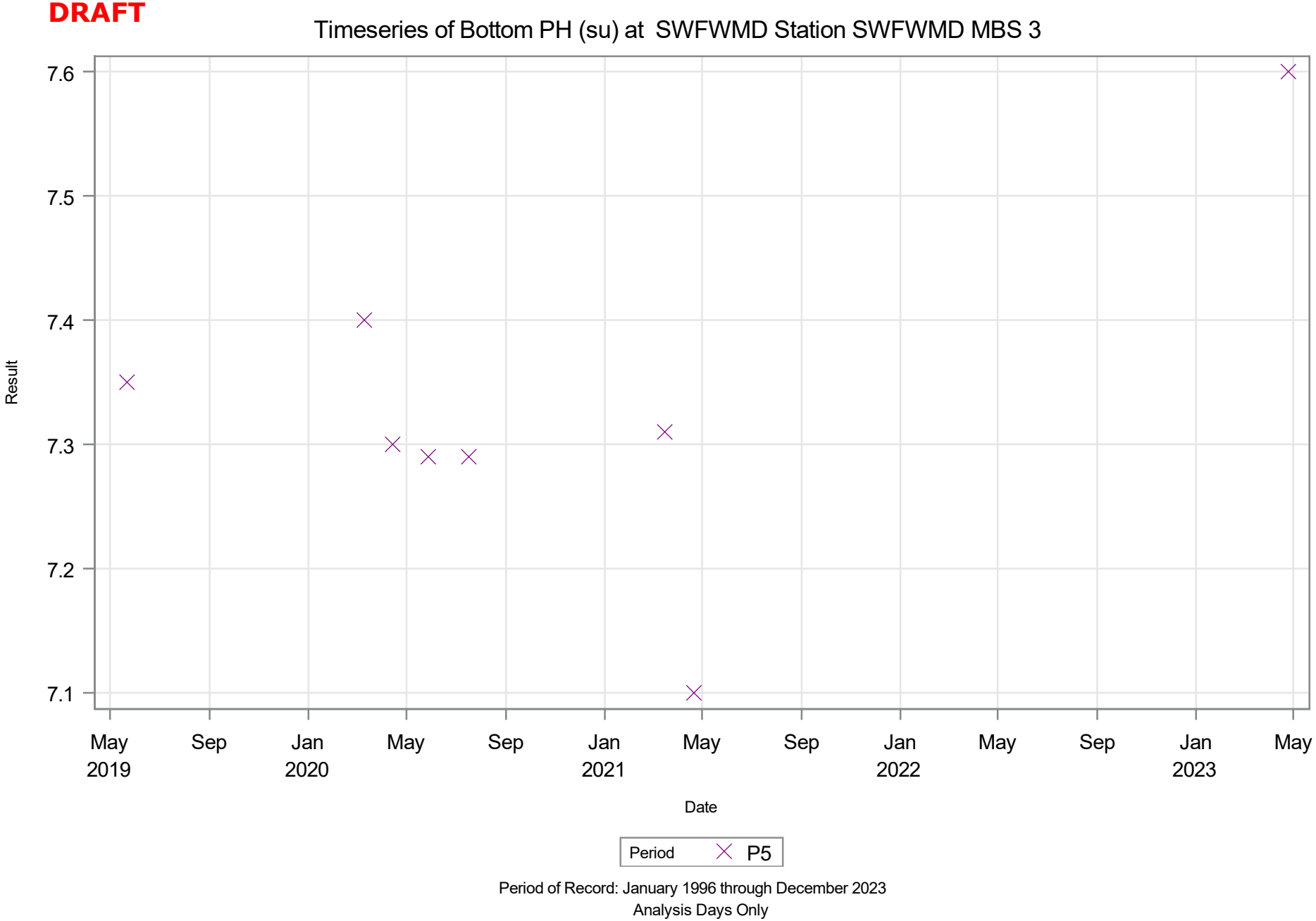
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	7.42	7.50	7.91	7.86	8.18	8.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

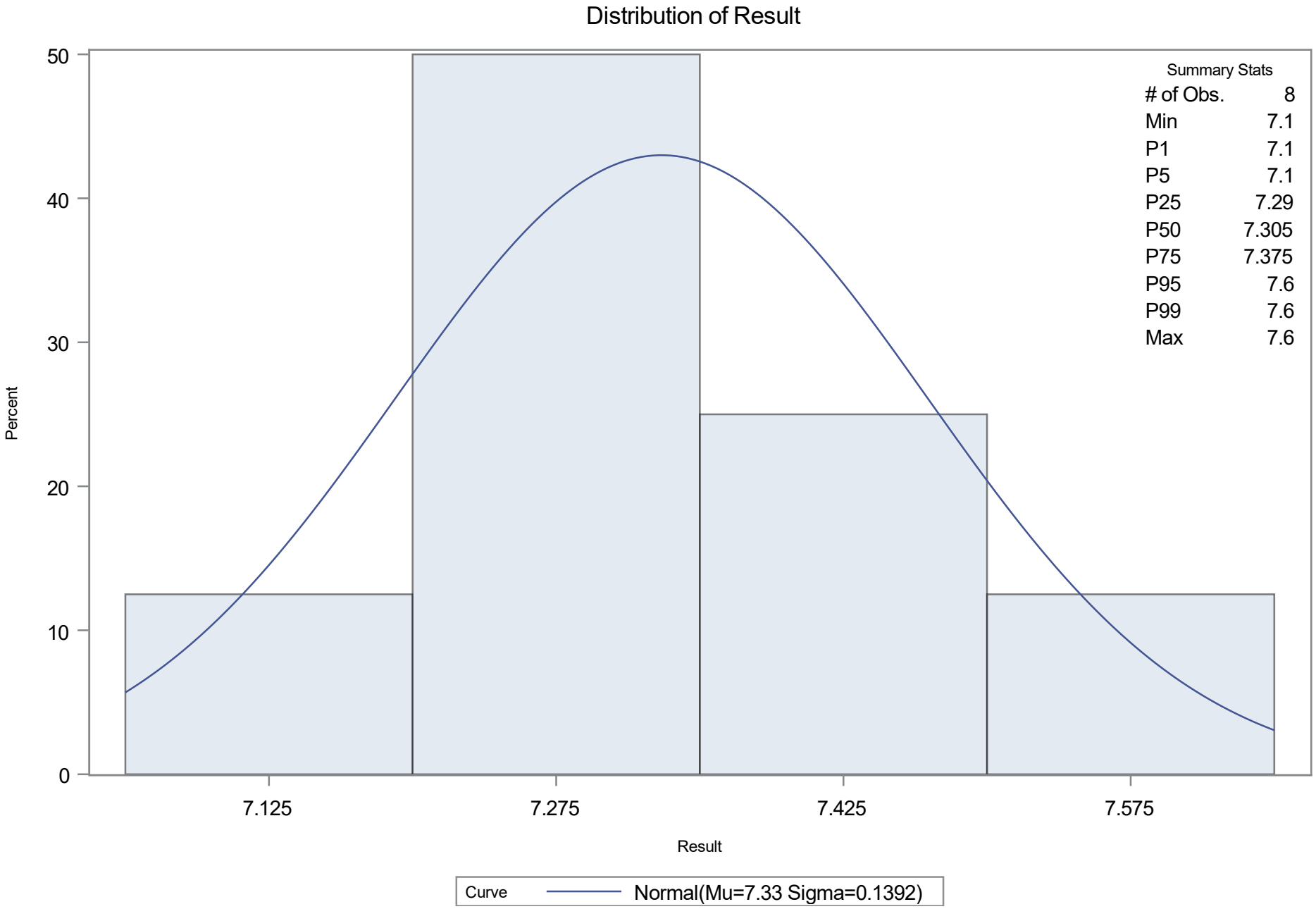

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD MBS 2
Result
8.4
8.2
8.0
7.8
7.6
7.4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at SWFWMD Station SWFWMD MBS 3
Result
7.6
7.5
7.4
7.3
7.2
7.1
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.33
Std Dev	Sigma	0.139181

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26190496	**Pr > D**	0.102
Cramer-von Mises	**W-Sq**	0.10343919	**Pr > W-Sq**	0.087
Anderson-Darling	**A-Sq**	0.54698772	**Pr > A-Sq**	0.110

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.10000	7.00622
5.0	7.10000	7.10107
10.0	7.10000	7.15163
25.0	7.29000	7.23612
50.0	7.30500	7.33000
75.0	7.37500	7.42388
90.0	7.60000	7.50837
95.0	7.60000	7.55893
99.0	7.60000	7.65378

Period of Record: January 1996 through December 2023
Analysis Days Only

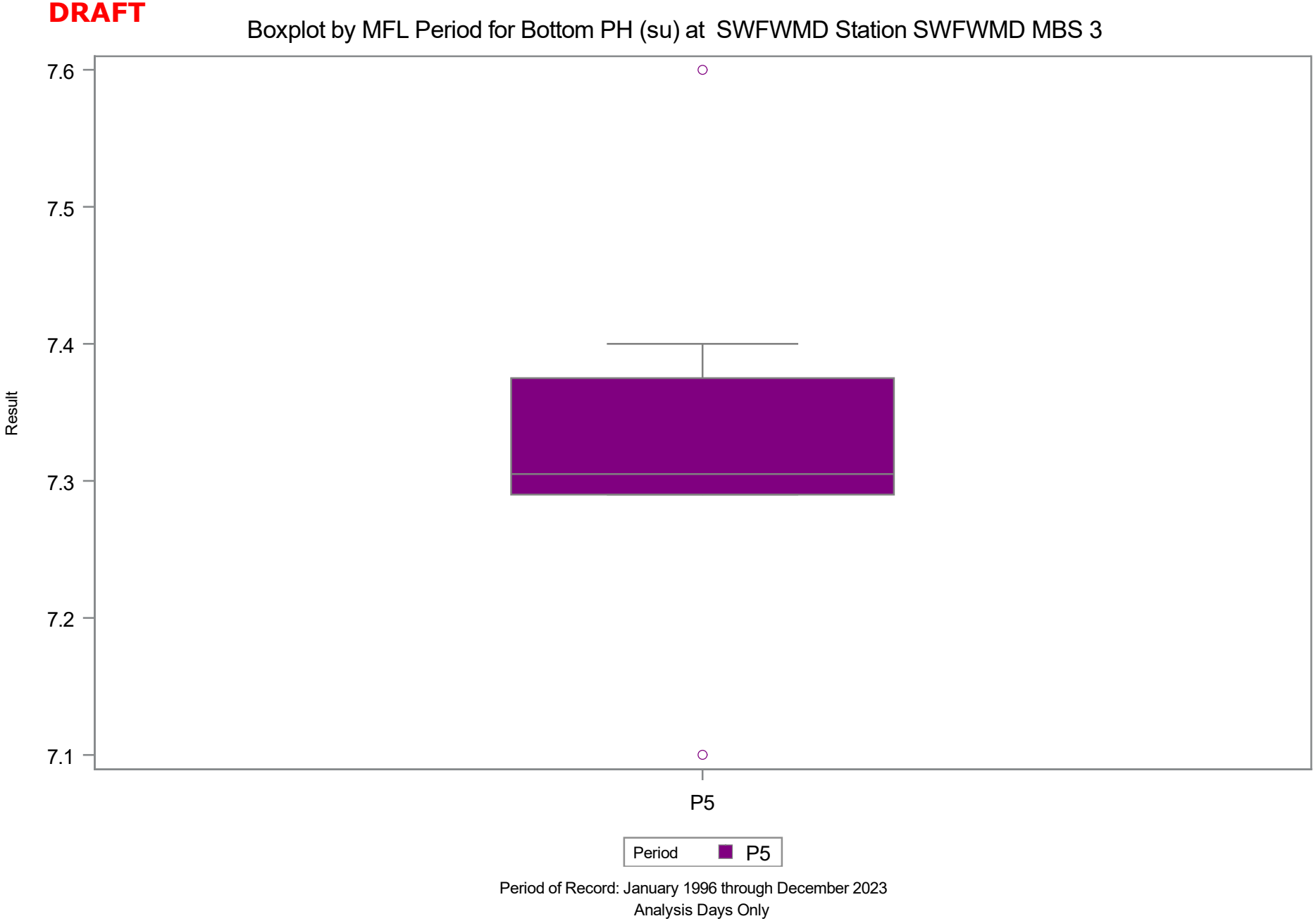
DRAFT

Distributional Statistics by Period for Bottom PH (su) at SWFWMD Station SWFWMD MBS 3

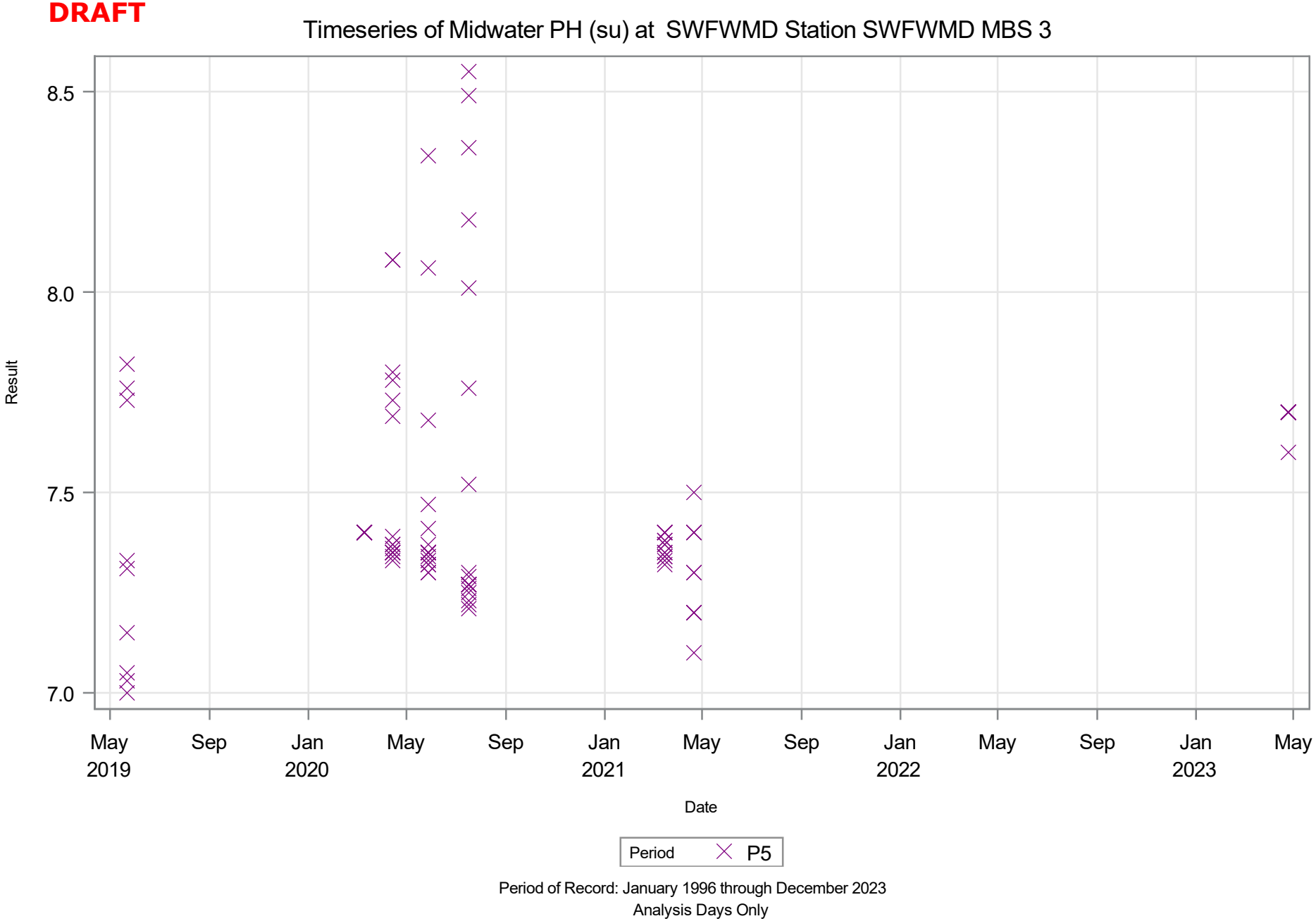
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	7.10	7.29	7.33	7.31	7.38	7.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at SWFWMD Station SWFWMD MBS 3
7.6
7.5
7.4
7.3
7.2
7.1
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

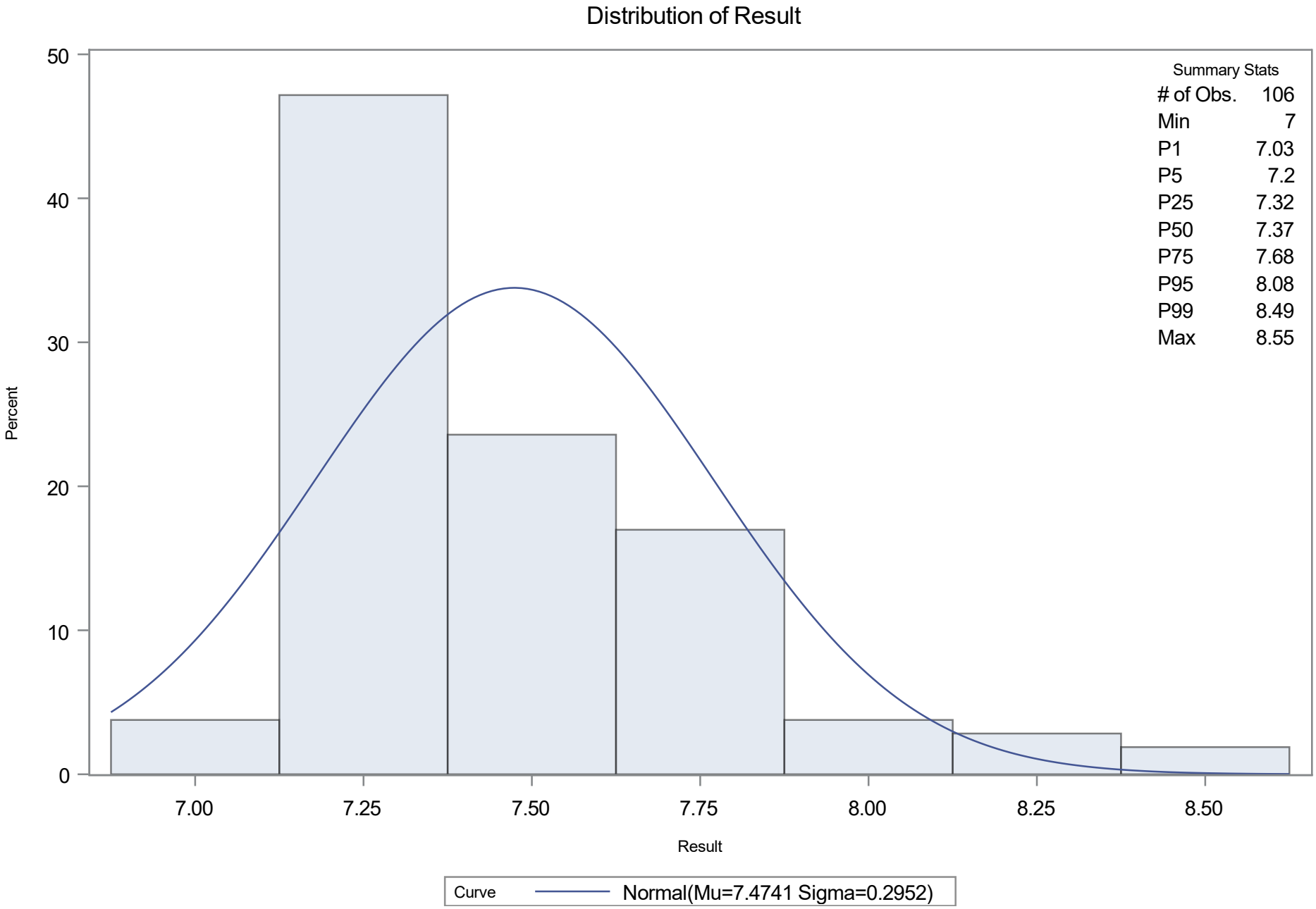
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.474057
Std Dev	Sigma	0.295222

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29714853	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.50337417	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.61813076	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.03000	6.78727
5.0	7.20000	6.98846
10.0	7.23000	7.09571
25.0	7.32000	7.27493
50.0	7.37000	7.47406
75.0	7.68000	7.67318
90.0	7.80000	7.85240
95.0	8.08000	7.95965
99.0	8.49000	8.16084

Period of Record: January 1996 through December 2023
Analysis Days Only

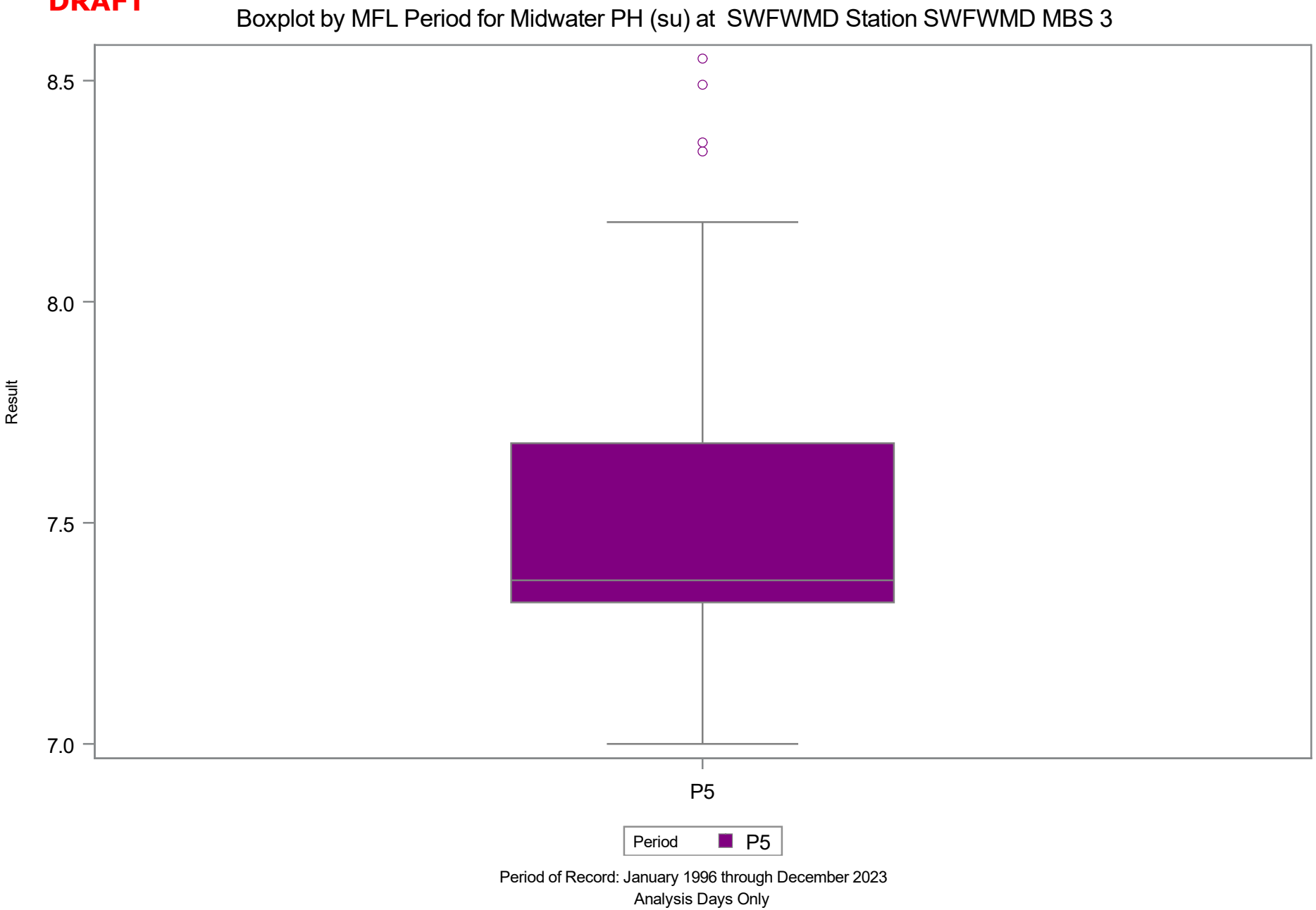
DRAFT

Distributional Statistics by Period for Midwater PH (su) at SWFWMD Station SWFWMD MBS 3

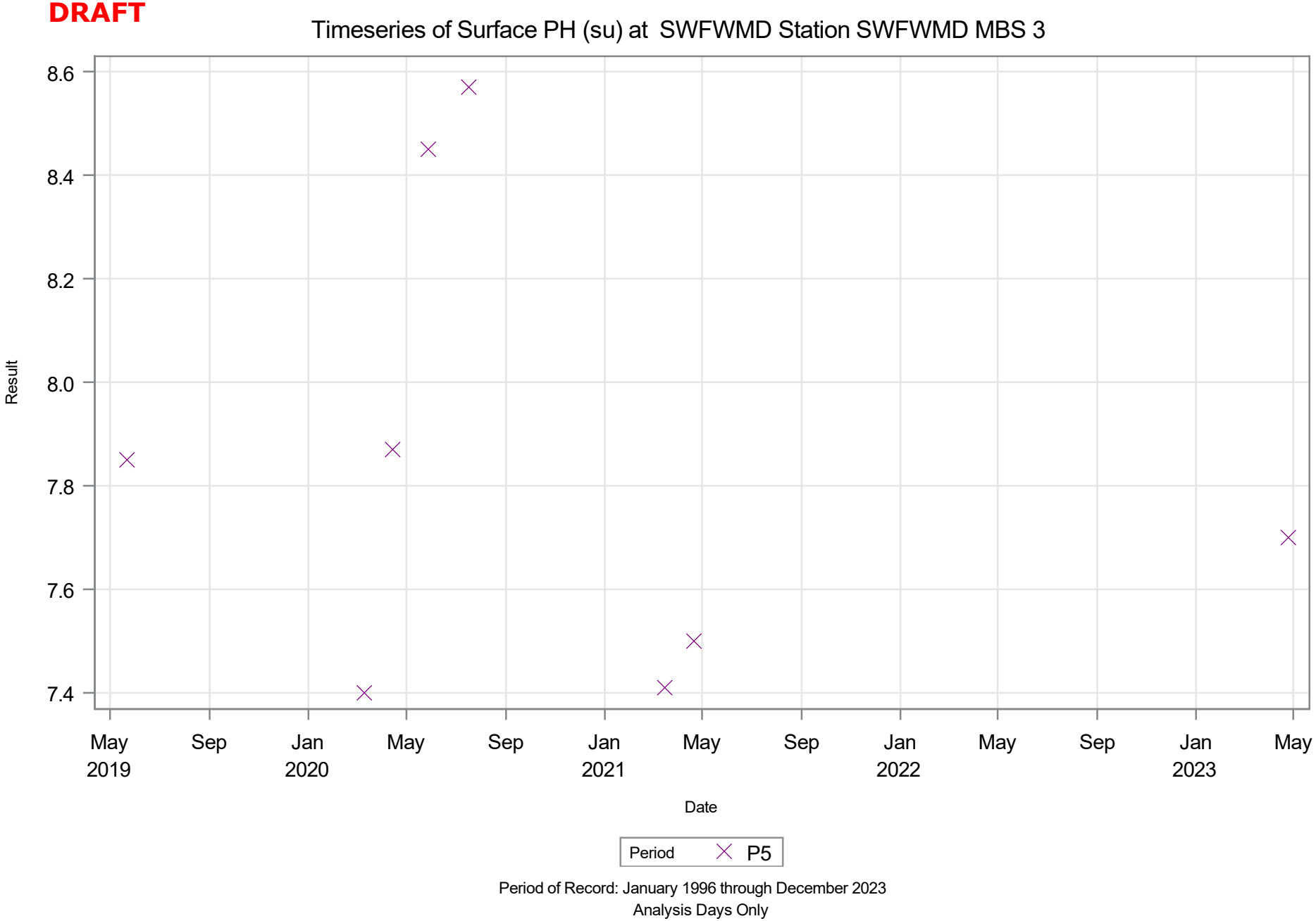
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	106	7.00	7.32	7.47	7.37	7.68	8.55

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

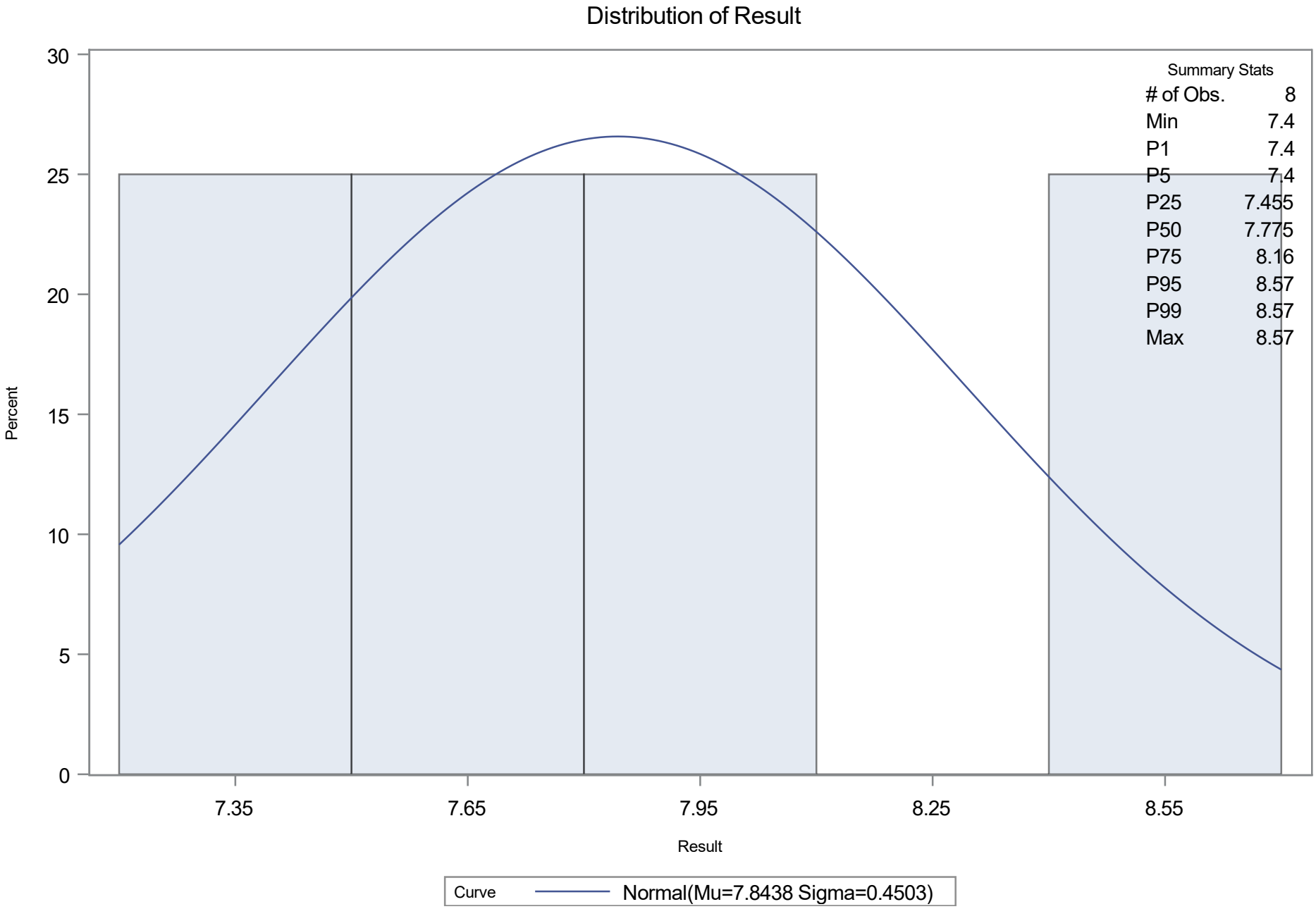

Boxplot by MFL Period for Midwater PH (su) at SWFWMD Station SWFWMD MBS 3
8.5
8.0
7.5
7.0
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at SWFWMD Station SWFWMD MBS 3
Result
8.6
8.4
8.2
8.0
7.8
7.6
7.4
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.84375
Std Dev	Sigma	0.450331

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22675865	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07274856	**Pr > W-Sq**	0.231
Anderson-Darling	**A-Sq**	0.46408597	**Pr > A-Sq**	0.191

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.40000	6.79612
5.0	7.40000	7.10302
10.0	7.40000	7.26663
25.0	7.45500	7.54001
50.0	7.77500	7.84375
75.0	8.16000	8.14749
90.0	8.57000	8.42087
95.0	8.57000	8.58448
99.0	8.57000	8.89138

Period of Record: January 1996 through December 2023
Analysis Days Only

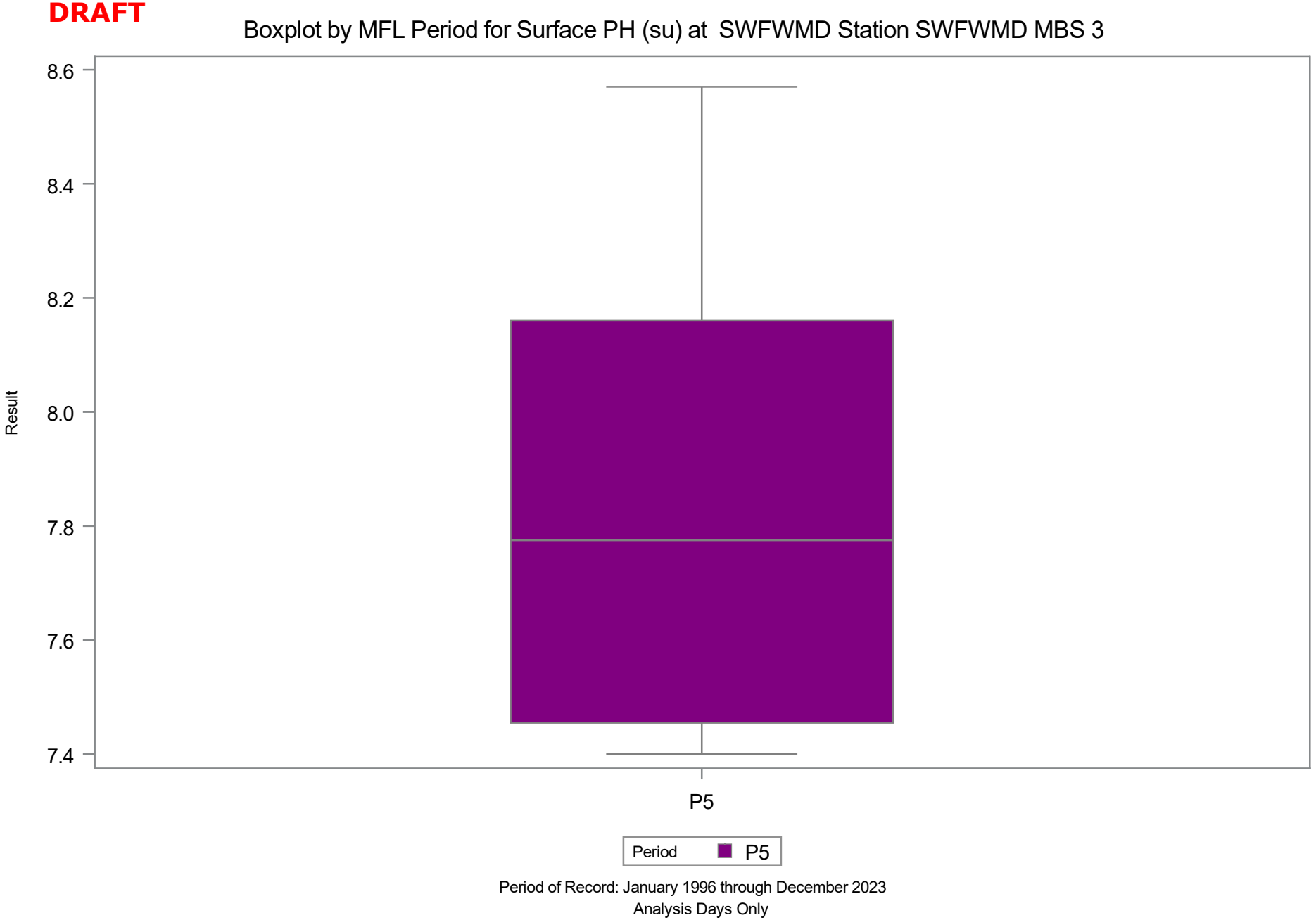
DRAFT

Distributional Statistics by Period for Surface PH (su) at SWFWMD Station SWFWMD MBS 3

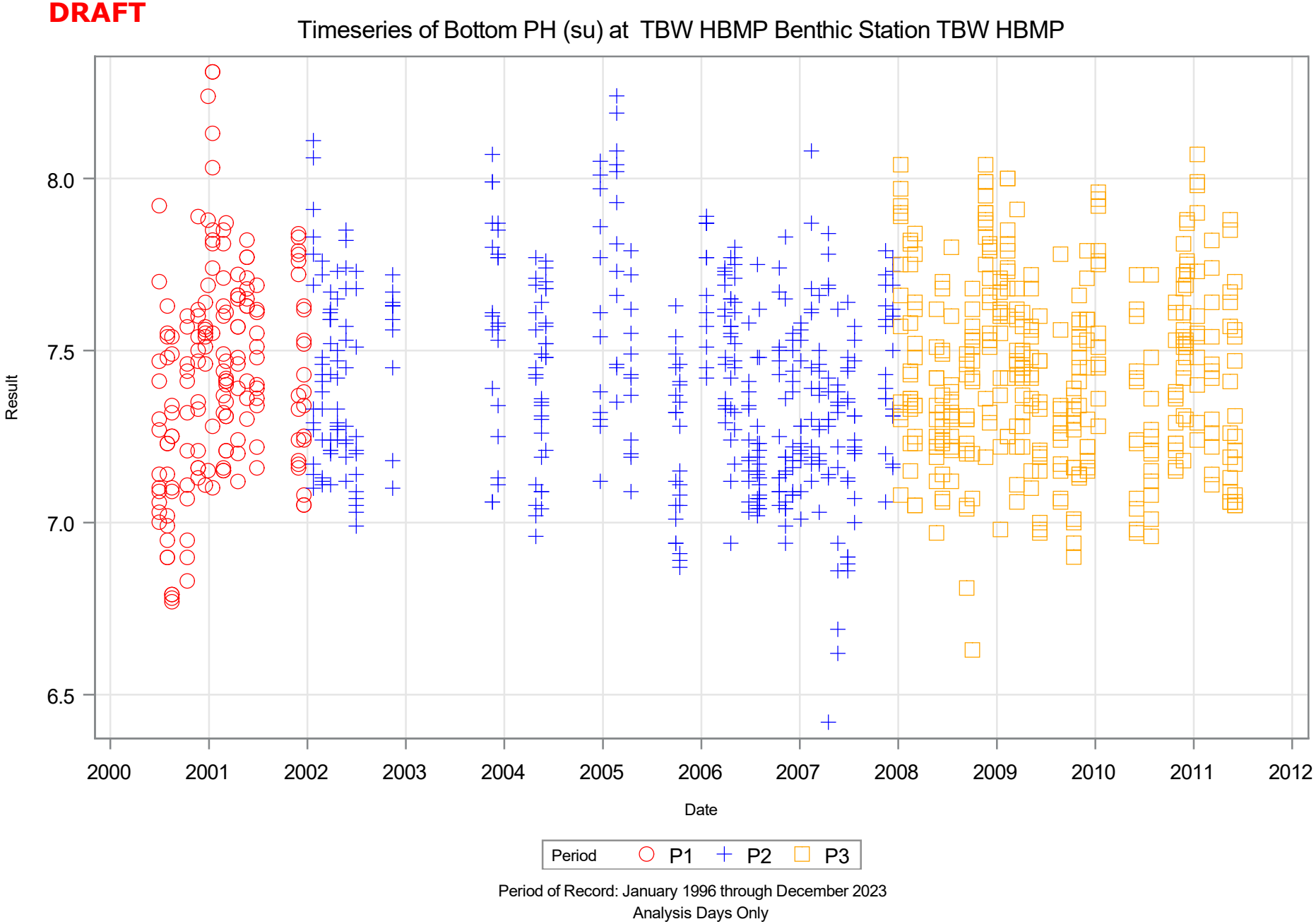
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	7.40	7.46	7.84	7.78	8.16	8.57

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

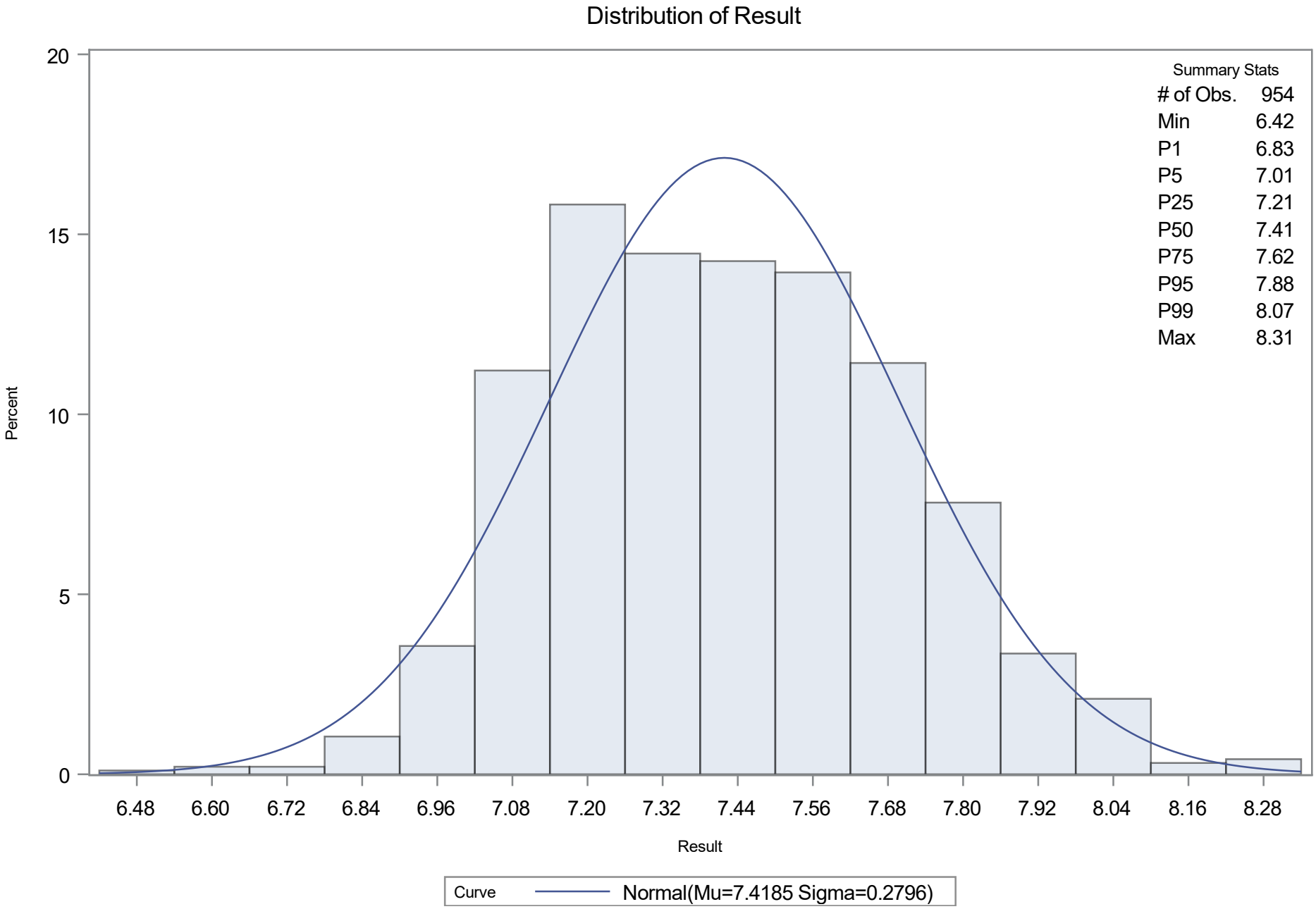

Boxplot by MFL Period for Surface PH (su) at SWFWMD Station SWFWMD MBS 3
8.6
8.4
8.2
8.0
7.8
7.6
7.4
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at TBW HBMP Benthic Station TBW HBMP
Result
8.0
7.5
7.0
6.5
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.418512
Std Dev	Sigma	0.279556

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04847598	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33830550	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.09671431	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.83000	6.76817
5.0	7.01000	6.95868
10.0	7.07000	7.06025
25.0	7.21000	7.22995
50.0	7.41000	7.41851
75.0	7.62000	7.60707
90.0	7.78000	7.77678
95.0	7.88000	7.87834
99.0	8.07000	8.06886

Period of Record: January 1996 through December 2023
Analysis Days Only

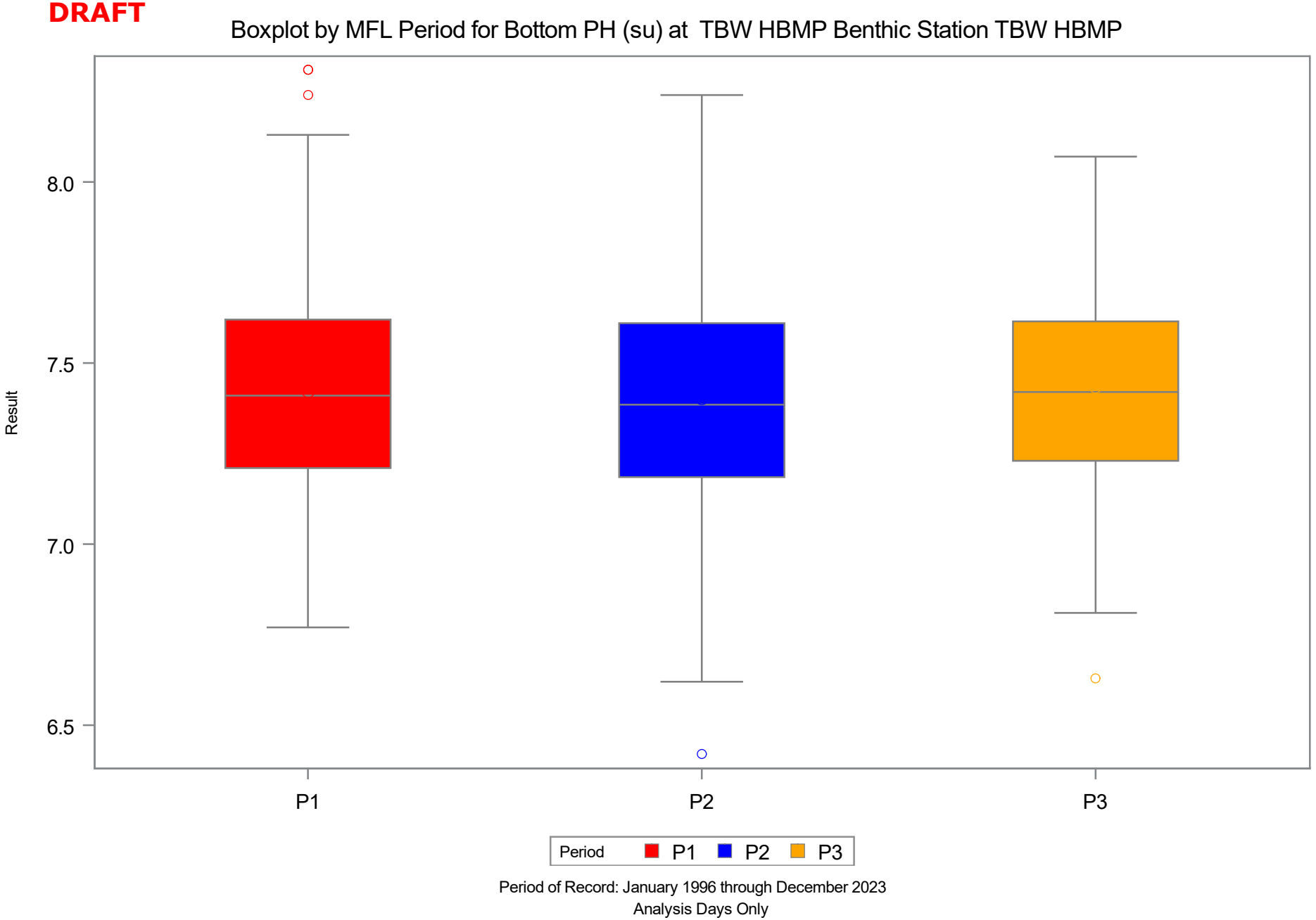
DRAFT

Distributional Statistics by Period for Bottom PH (su) at TBW HBMP Benthic Station TBW HBMP

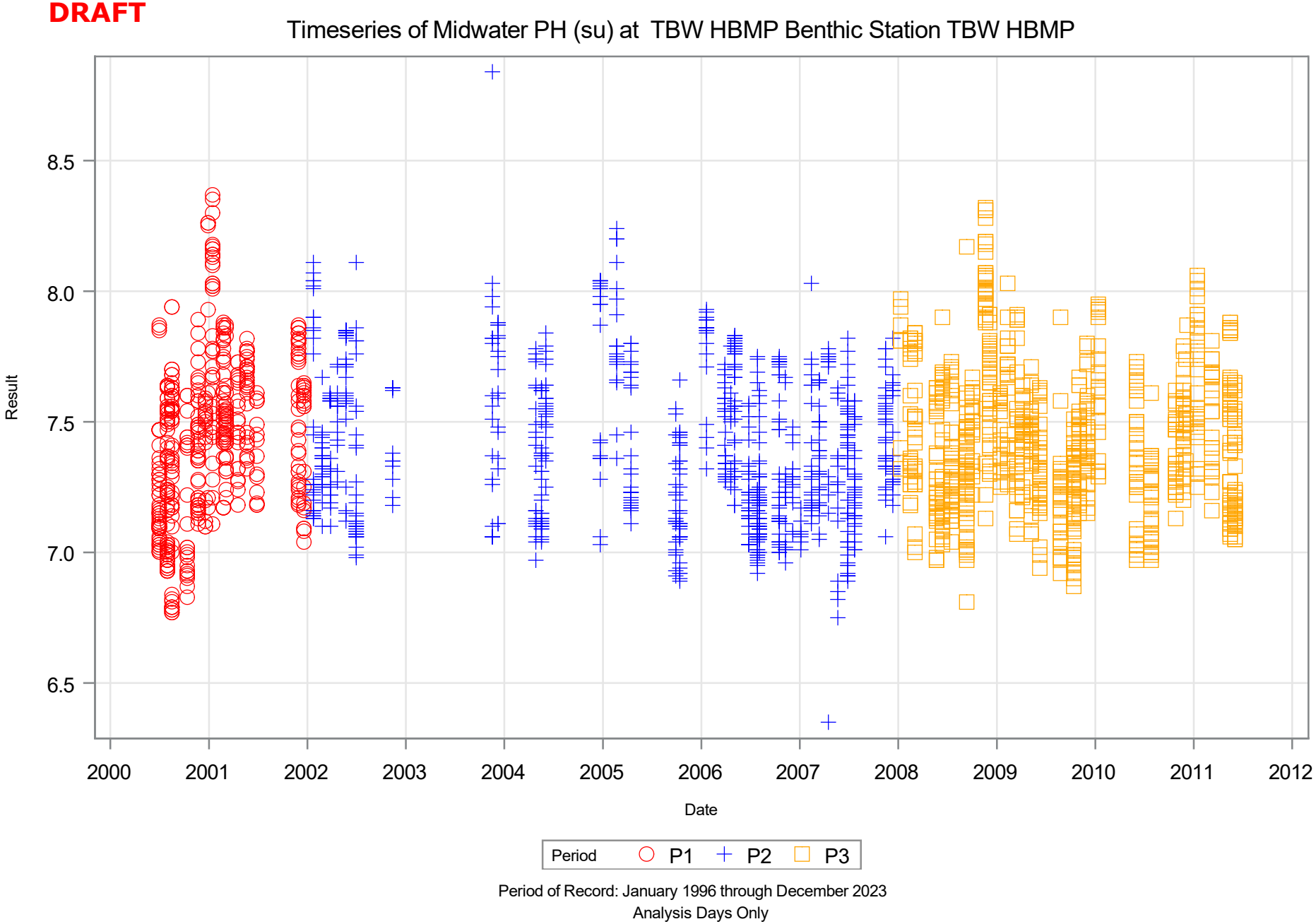
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	6.77	7.21	7.42	7.41	7.62	8.31
P2	428	6.42	7.19	7.40	7.39	7.61	8.24
P3	360	6.63	7.23	7.44	7.42	7.62	8.07

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

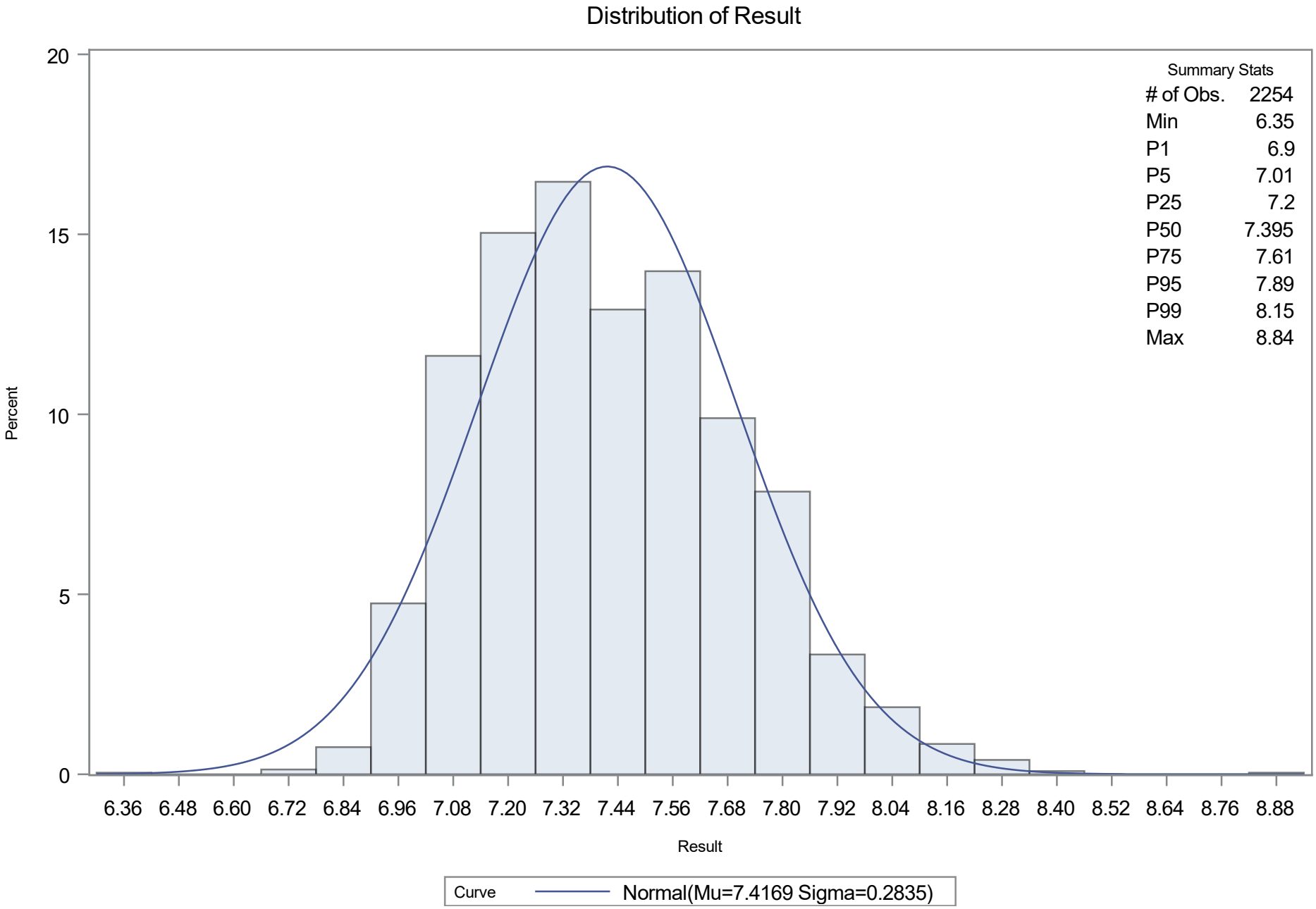

Boxplot by MFL Period for Bottom PH (su) at TBW HBMP Benthic Station TBW HBMP
Result
8.0
7.5
7.0
6.5
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at TBW HBMP Benthic Station TBW HBMP
Result
8.5
8.0
7.5
7.0
6.5
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.41693
Std Dev	Sigma	0.283543

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05435465	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.30078884	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.30729310	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.90000	6.75731
5.0	7.01000	6.95054
10.0	7.07000	7.05355
25.0	7.20000	7.22568
50.0	7.39500	7.41693
75.0	7.61000	7.60818
90.0	7.81000	7.78031
95.0	7.89000	7.88332
99.0	8.15000	8.07655

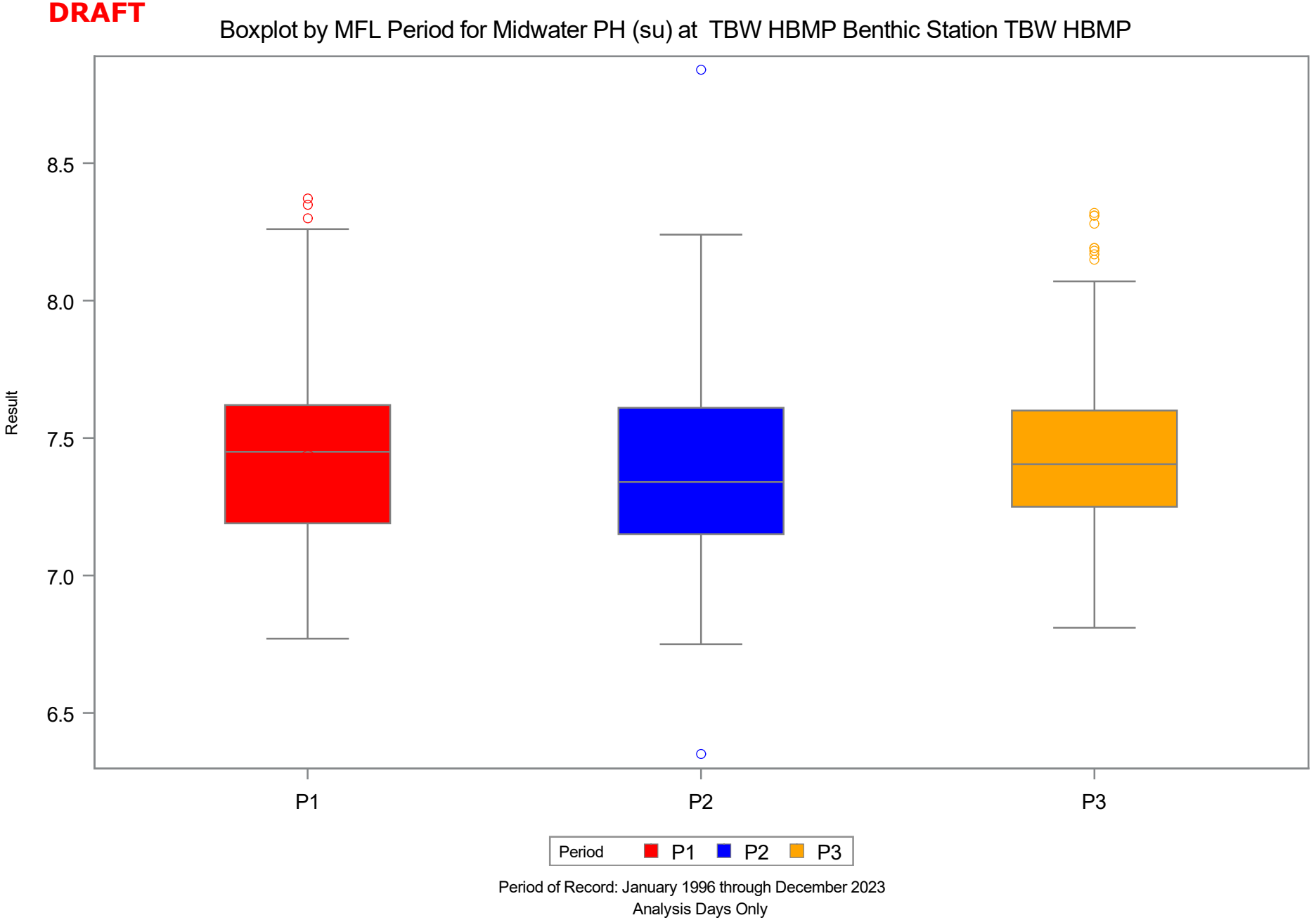
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater PH (su) at TBW HBMP Benthic Station TBW HBMP**

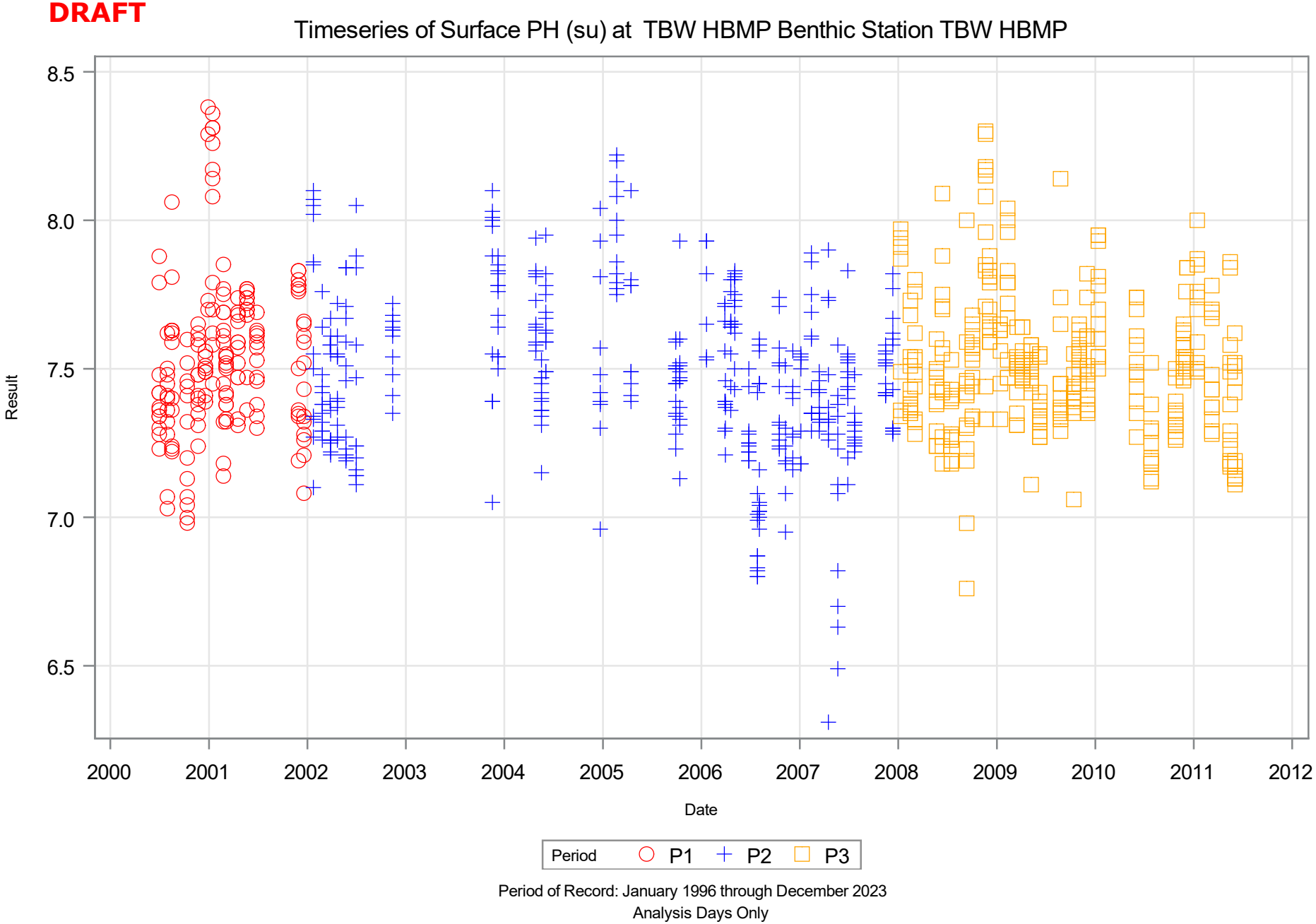
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	502	6.77	7.19	7.43	7.45	7.62	8.37
P2	872	6.35	7.15	7.39	7.34	7.61	8.84
P3	880	6.81	7.25	7.43	7.41	7.60	8.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

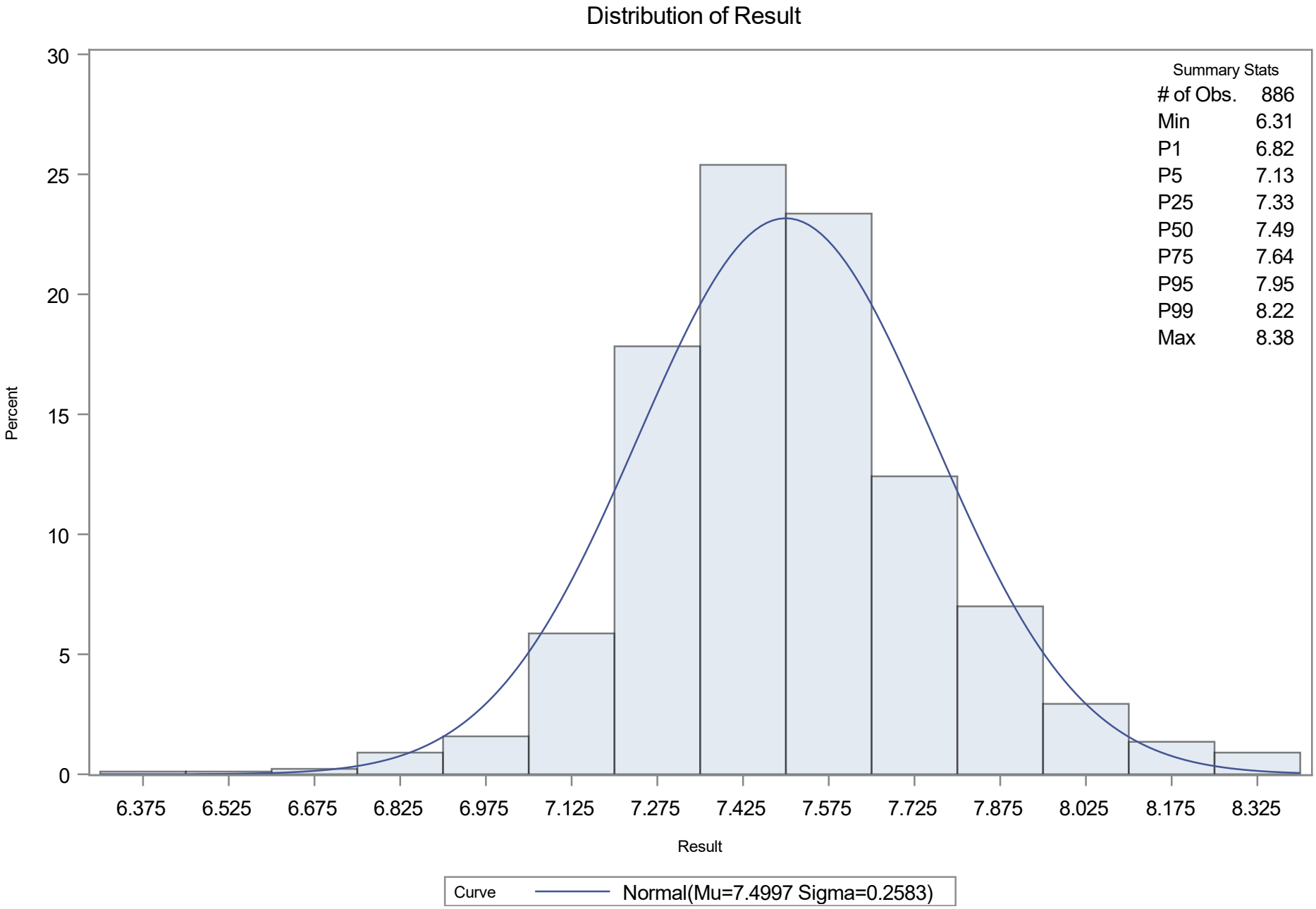

Boxplot by MFL Period for Midwater PH (su) at TBW HBMP Benthic Station TBW HBMP
Result
8.5
8.0
7.5
7.0
6.5
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at TBW HBMP Benthic Station TBW HBMP
Result
8.5
8.0
7.5
7.0
6.5
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.499718
Std Dev	Sigma	0.258278

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05487491	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.62150392	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.93983968	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.82000	6.89887
5.0	7.13000	7.07489
10.0	7.22000	7.16872
25.0	7.33000	7.32551
50.0	7.49000	7.49972
75.0	7.64000	7.67392
90.0	7.82000	7.83071
95.0	7.95000	7.92455
99.0	8.22000	8.10056

Period of Record: January 1996 through December 2023
Analysis Days Only

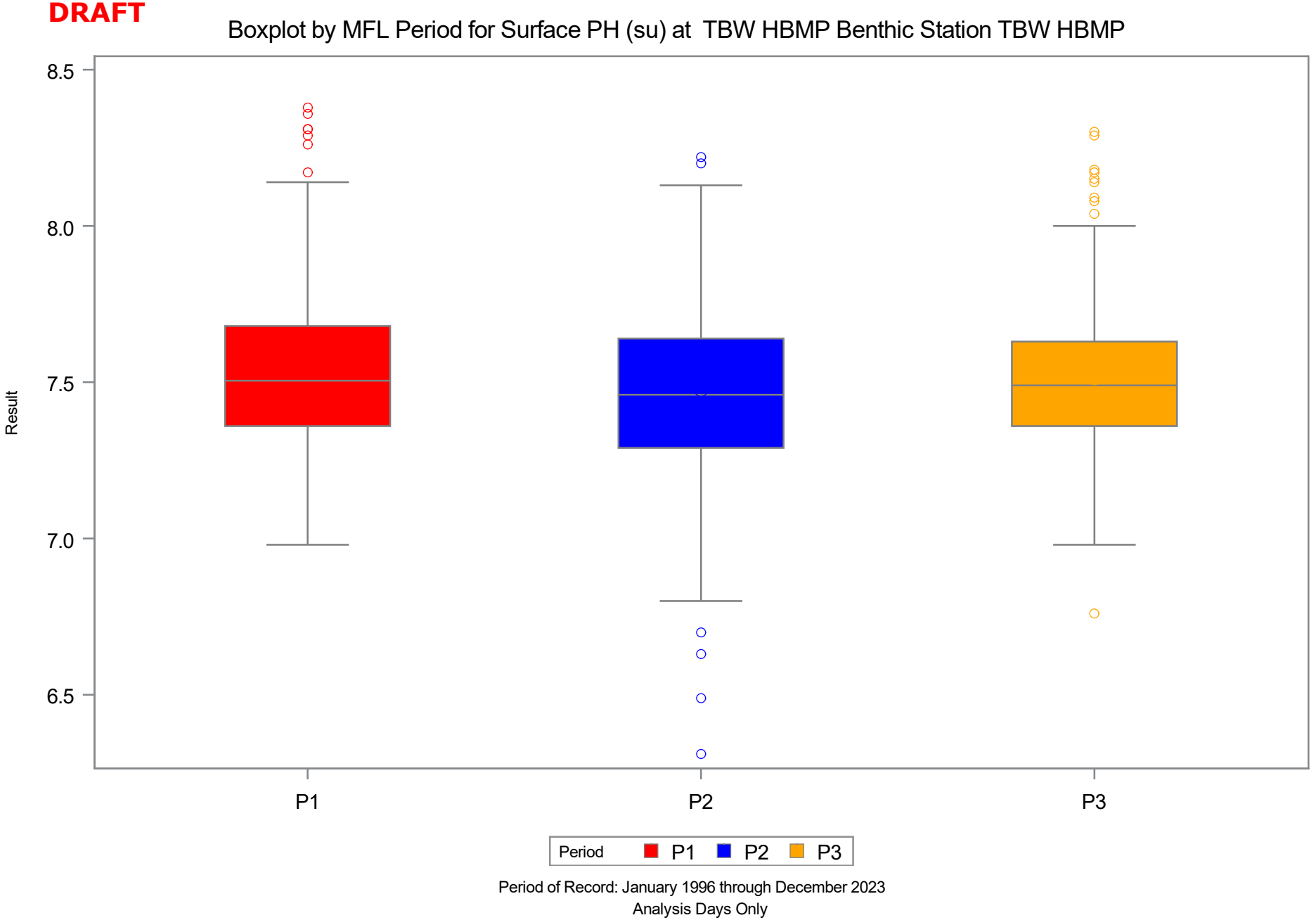
DRAFT

Distributional Statistics by Period for Surface PH (su) at TBW HBMP Benthic Station TBW HBMP

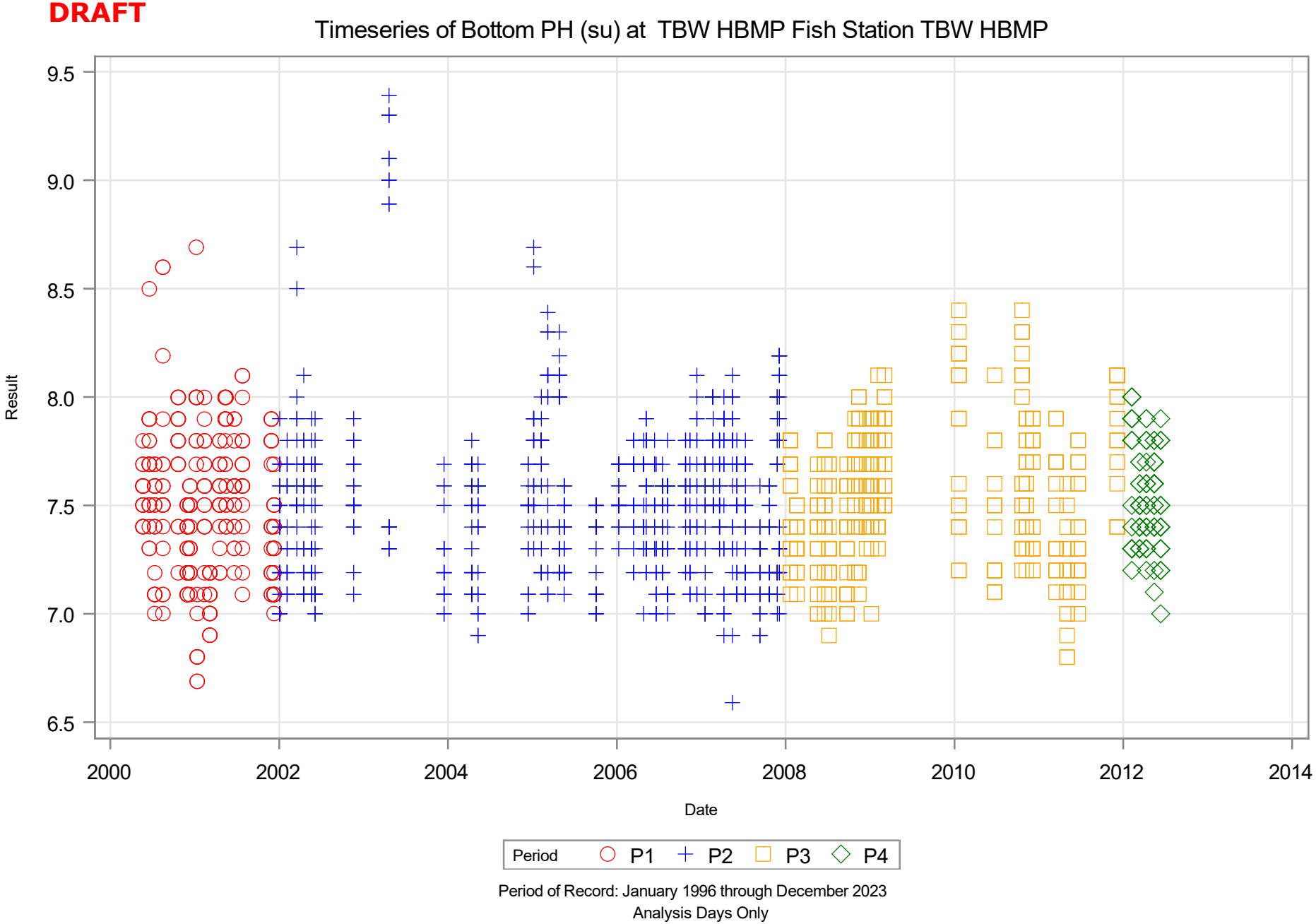
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	6.98	7.36	7.53	7.51	7.68	8.38
P2	391	6.31	7.29	7.48	7.46	7.64	8.22
P3	329	6.76	7.36	7.51	7.49	7.63	8.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

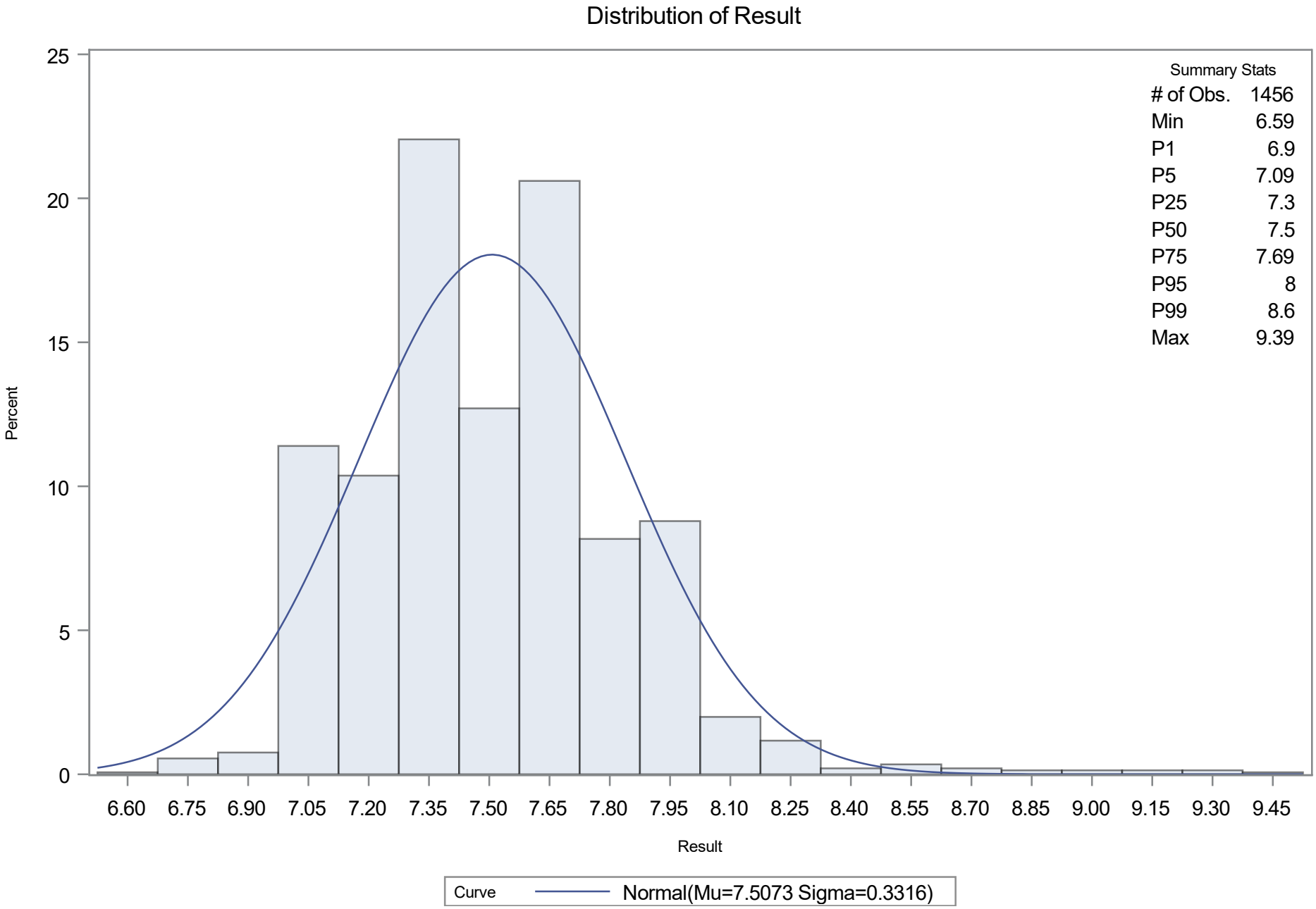

Boxplot by MFL Period for Surface PH (su) at TBW HBMP Benthic Station TBW HBMP
Result
8.5
8.0
7.5
7.0
6.5
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at TBW HBMP Fish Station TBW HBMP
Result
9.5
9.0
8.5
8.0
7.5
7.0
6.5
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.507321
Std Dev	Sigma	0.331644

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0877899	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.6975872	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.1014046	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.90000	6.73580
5.0	7.09000	6.96182
10.0	7.09000	7.08230
25.0	7.30000	7.28363
50.0	7.50000	7.50732
75.0	7.69000	7.73101
90.0	7.90000	7.93234
95.0	8.00000	8.05283
99.0	8.60000	8.27884

Period of Record: January 1996 through December 2023
Analysis Days Only

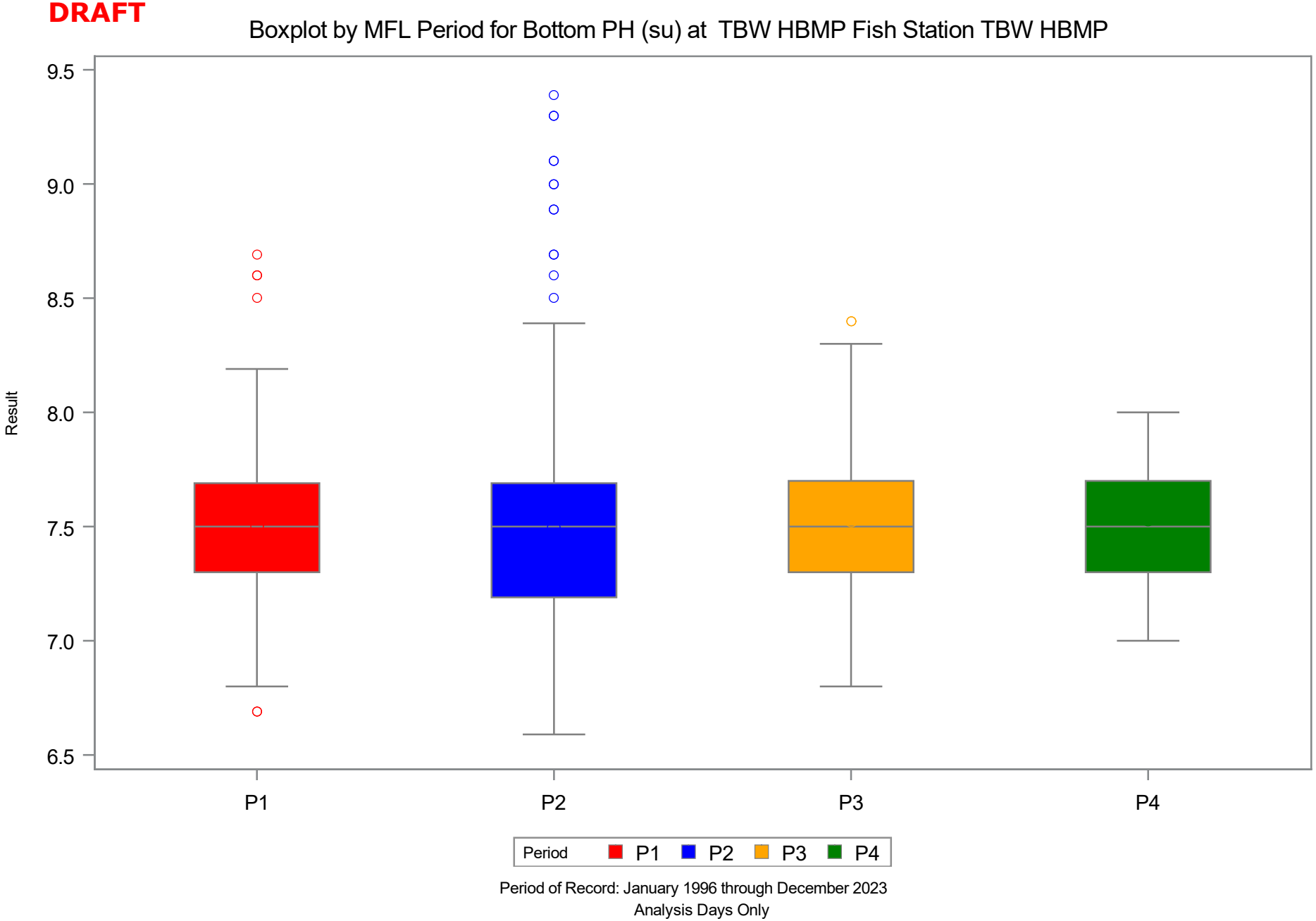
DRAFT

Distributional Statistics by Period for Bottom PH (su) at TBW HBMP Fish Station TBW HBMP

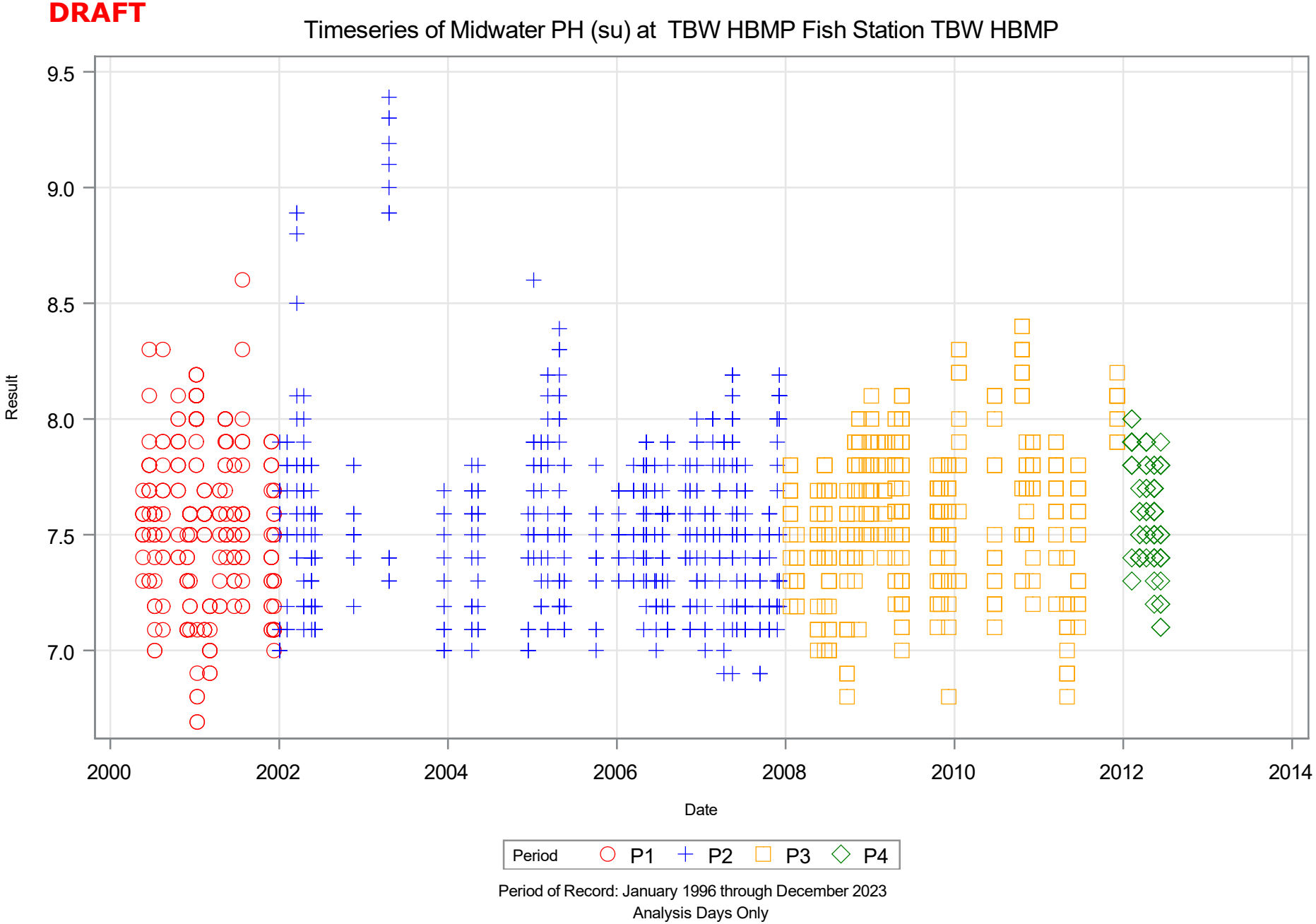
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	286	6.69	7.30	7.50	7.50	7.69	8.69
P2	702	6.59	7.19	7.50	7.50	7.69	9.39
P3	378	6.80	7.30	7.52	7.50	7.70	8.40
P4	90	7.00	7.30	7.53	7.50	7.70	8.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom PH (su) at TBW HBMP Fish Station TBW HBMP
Result
9.5
9.0
8.5
8.0
7.5
7.0
6.5
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

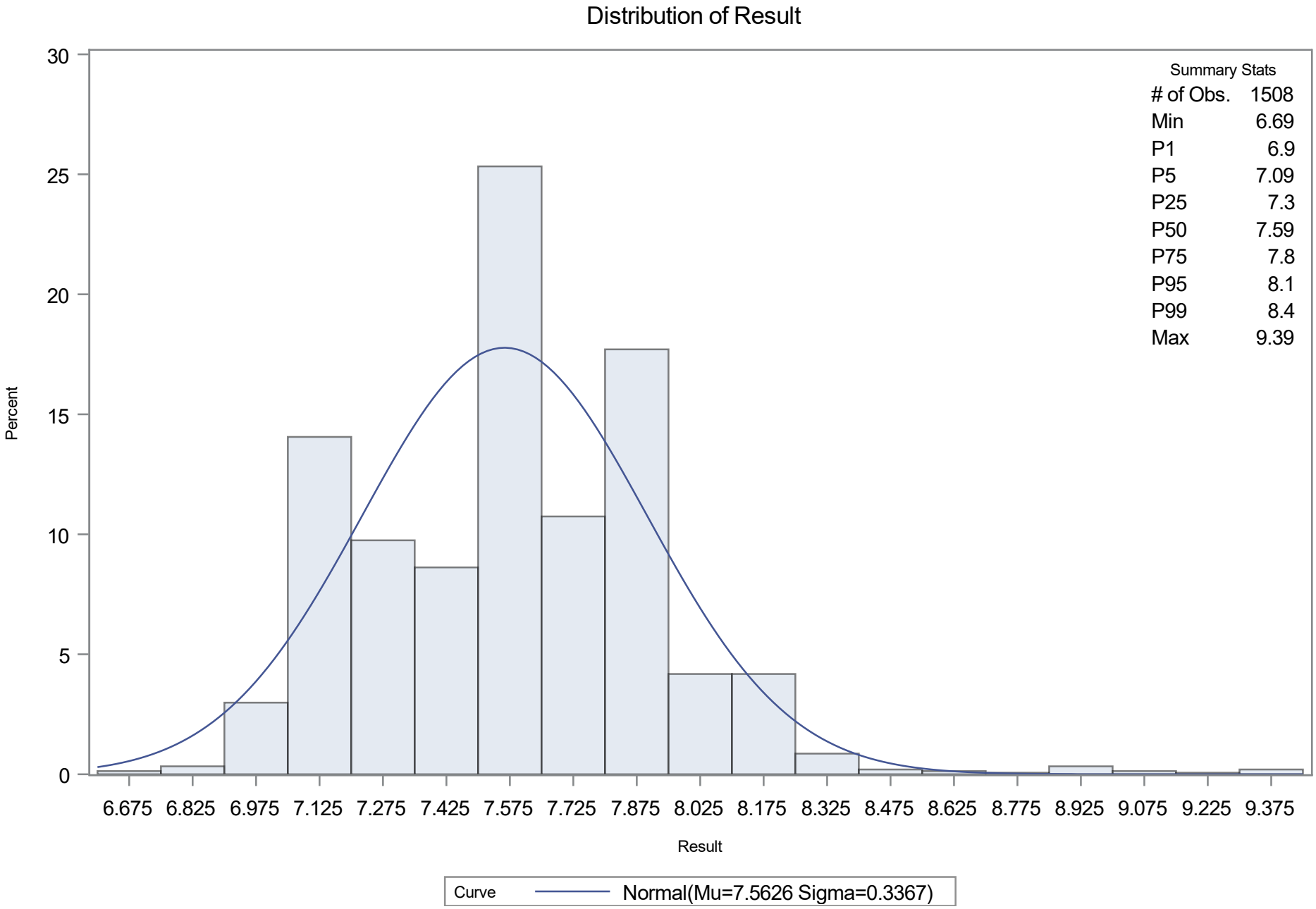
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.562619
Std Dev	Sigma	0.336699

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06786880	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.27260116	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.52049601	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.90000	6.77934
5.0	7.09000	7.00880
10.0	7.09000	7.13112
25.0	7.30000	7.33552
50.0	7.59000	7.56262
75.0	7.80000	7.78972
90.0	8.00000	7.99412
95.0	8.10000	8.11644
99.0	8.40000	8.34590

Period of Record: January 1996 through December 2023
Analysis Days Only

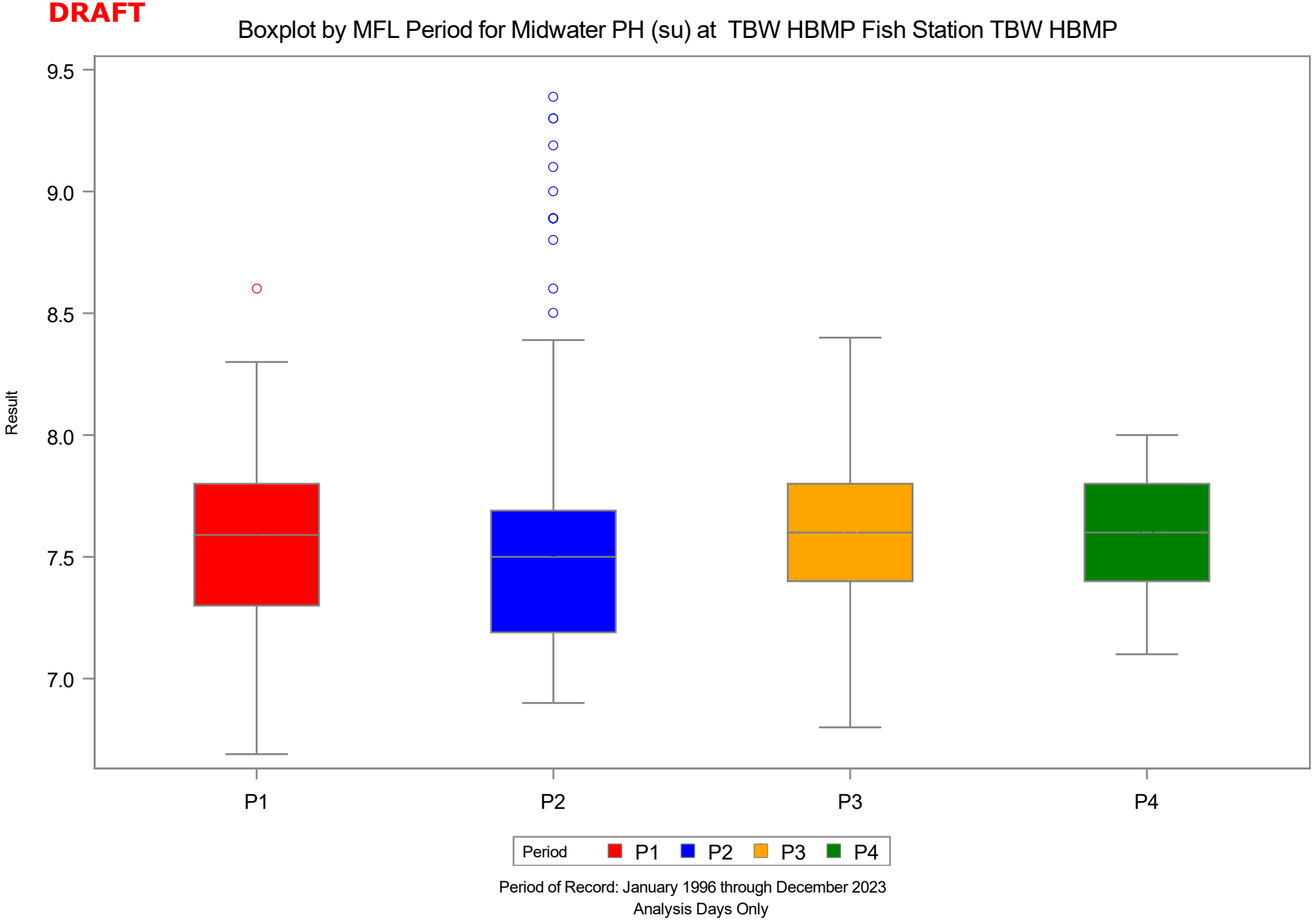
DRAFT

Distributional Statistics by Period for Midwater PH (su) at TBW HBMP Fish Station TBW HBMP

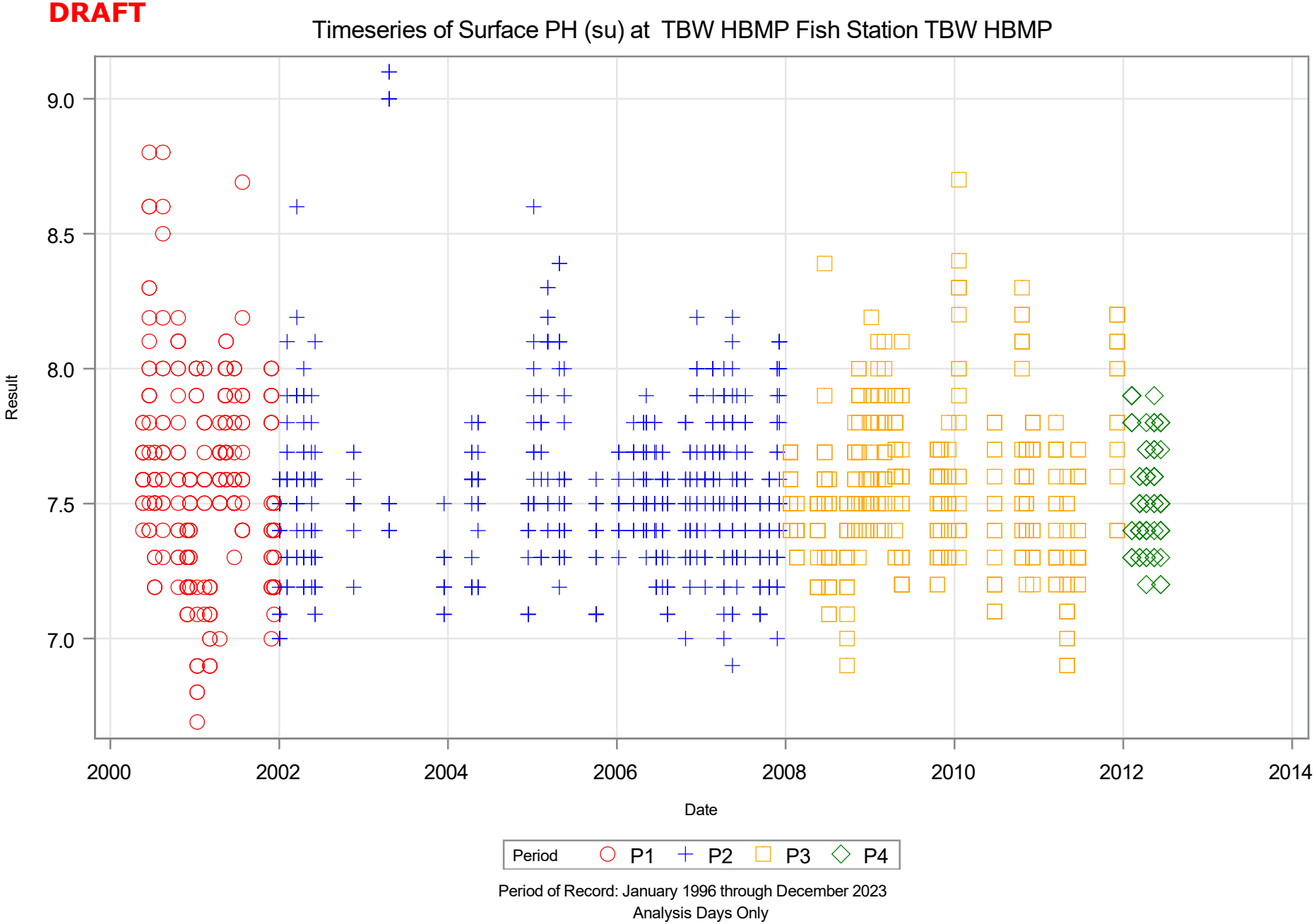
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	269	6.69	7.30	7.56	7.59	7.80	8.60
P2	656	6.90	7.19	7.53	7.50	7.69	9.39
P3	498	6.80	7.40	7.60	7.60	7.80	8.40
P4	85	7.10	7.40	7.61	7.60	7.80	8.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

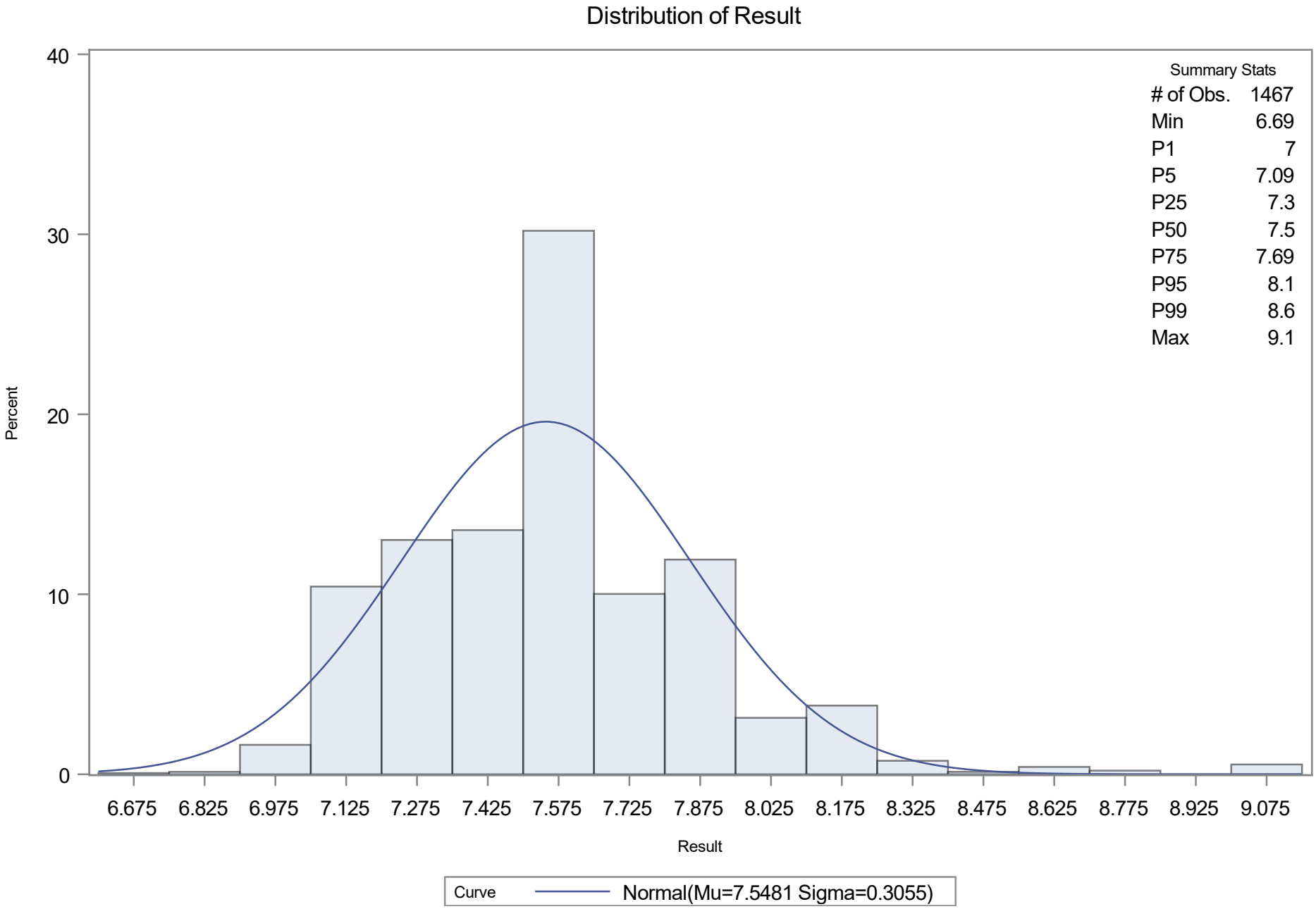

Boxplot by MFL Period for Midwater PH (su) at TBW HBMP Fish Station TBW HBMP
Result
9.5
9.0
8.5
8.0
7.5
7.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at TBW HBMP Fish Station TBW HBMP
Result
9.0
8.5
8.0
7.5
7.0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.54805
Std Dev	Sigma	0.305462

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1230029	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.3109269	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	18.6237233	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.00000	6.83744
5.0	7.09000	7.04561
10.0	7.19000	7.15659
25.0	7.30000	7.34202
50.0	7.50000	7.54805
75.0	7.69000	7.75408
90.0	7.90000	7.93952
95.0	8.10000	8.05049
99.0	8.60000	8.25866

Period of Record: January 1996 through December 2023
Analysis Days Only

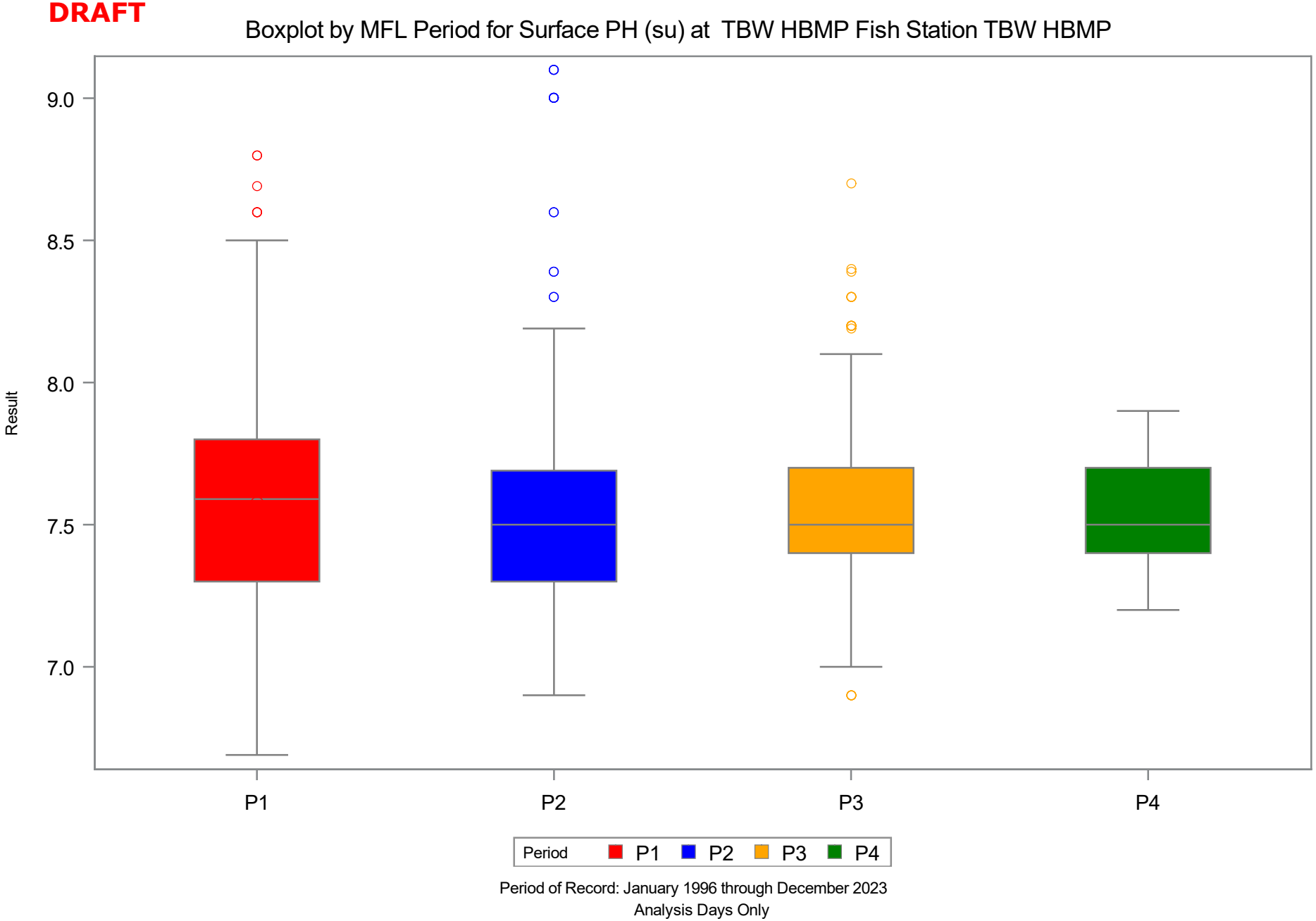
DRAFT

Distributional Statistics by Period for Surface PH (su) at TBW HBMP Fish Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	273	6.69	7.30	7.58	7.59	7.80	8.80
P2	661	6.90	7.30	7.54	7.50	7.69	9.10
P3	449	6.90	7.40	7.55	7.50	7.70	8.70
P4	84	7.20	7.40	7.54	7.50	7.70	7.90

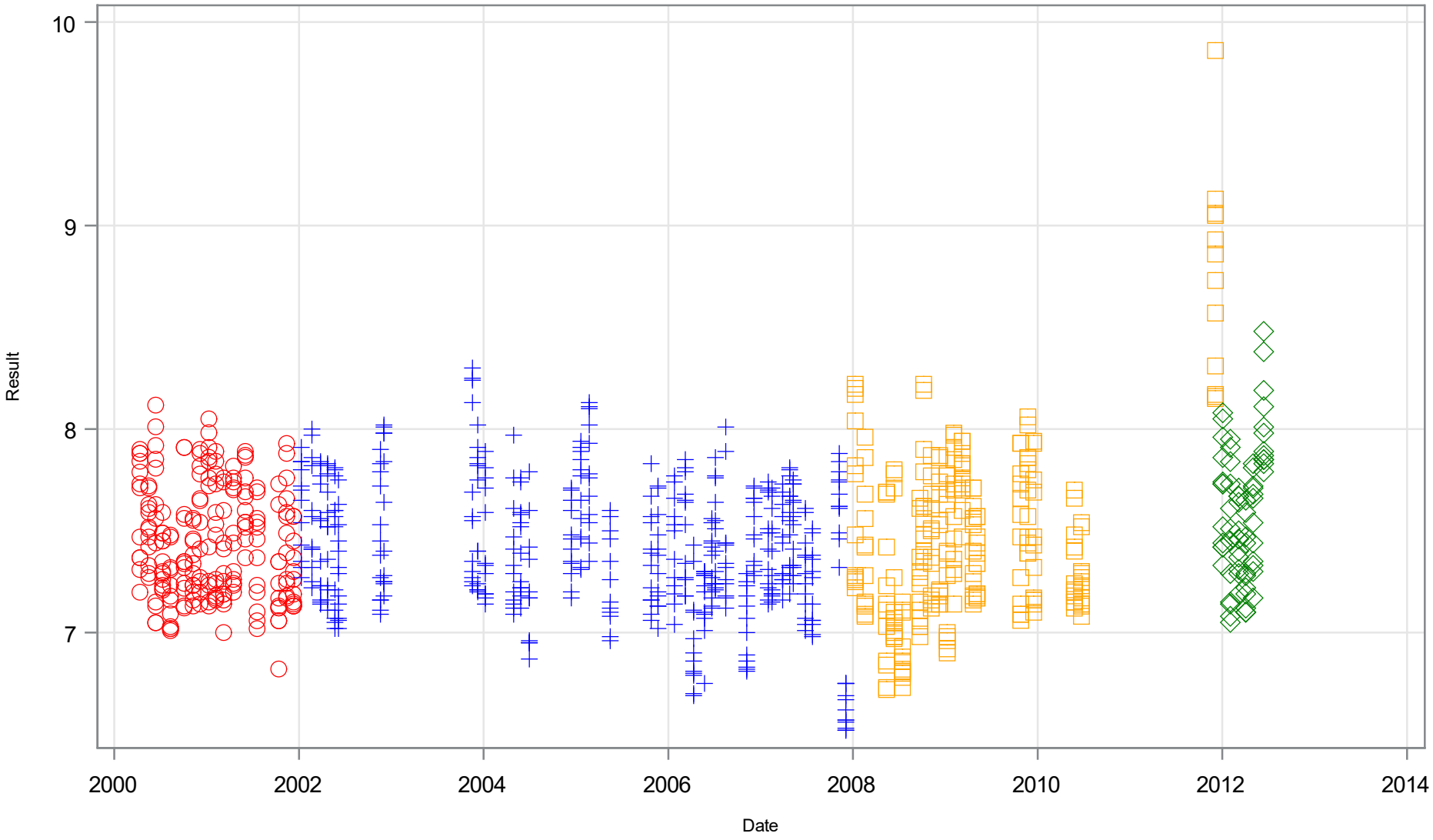
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface PH (su) at TBW HBMP Fish Station TBW HBMP
Result
9.0
8.5
8.0
7.5
7.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

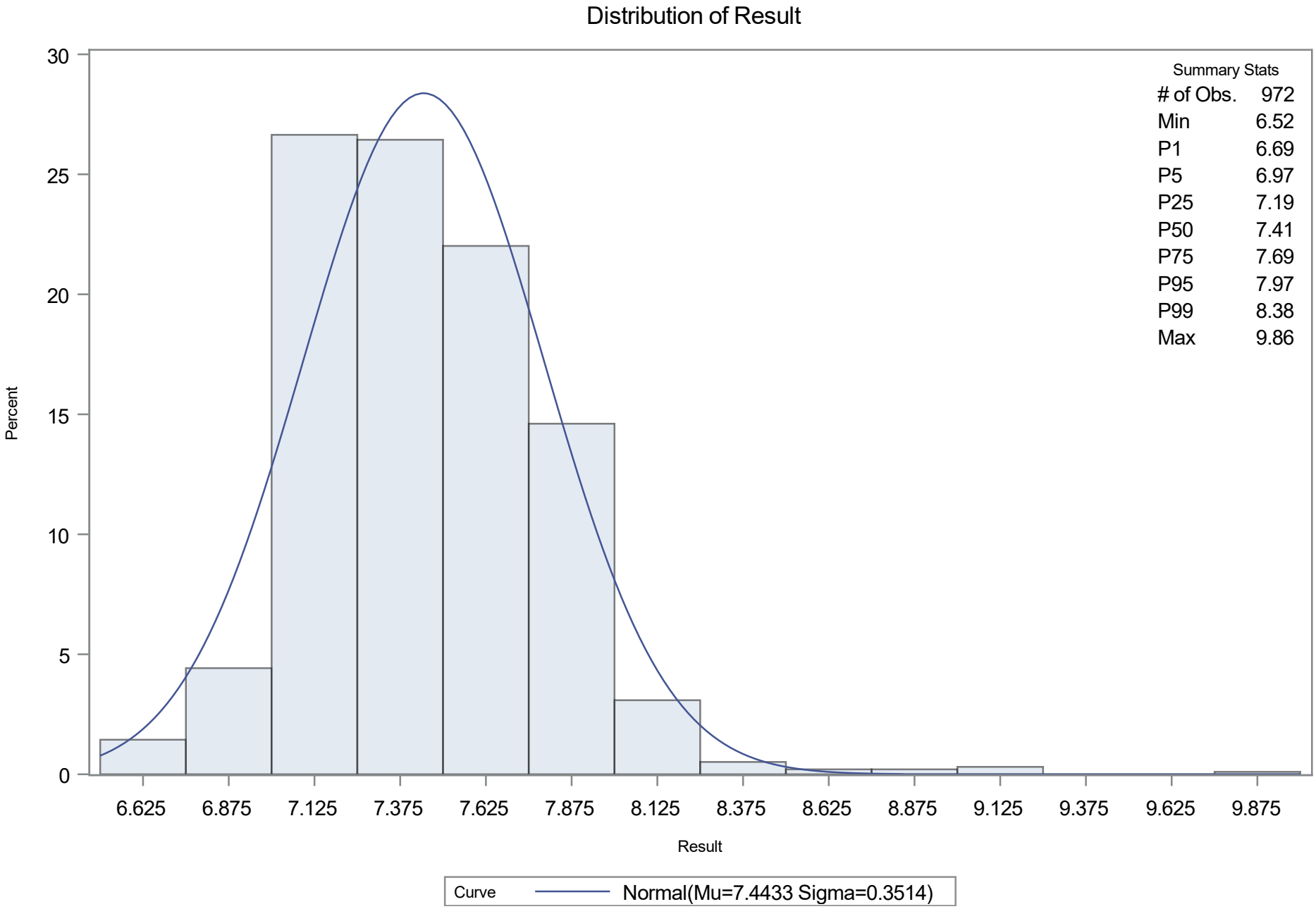
Timeseries of Bottom PH (su) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.443261
Std Dev	Sigma	0.351437

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06564006	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.91102312	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.78843486	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.69000	6.62570
5.0	6.97000	6.86520
10.0	7.07000	6.99288
25.0	7.19000	7.20622
50.0	7.41000	7.44326
75.0	7.69000	7.68030
90.0	7.86000	7.89365
95.0	7.97000	8.02132
99.0	8.38000	8.26083

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom PH (su) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	204	6.82	7.22	7.44	7.42	7.66	8.12
P2	456	6.52	7.19	7.40	7.38	7.65	8.30
P3	240	6.72	7.15	7.48	7.40	7.71	9.86
P4	72	7.05	7.32	7.58	7.57	7.83	8.48

Period of Record: January 1996 through December 2023
Analysis Days Only

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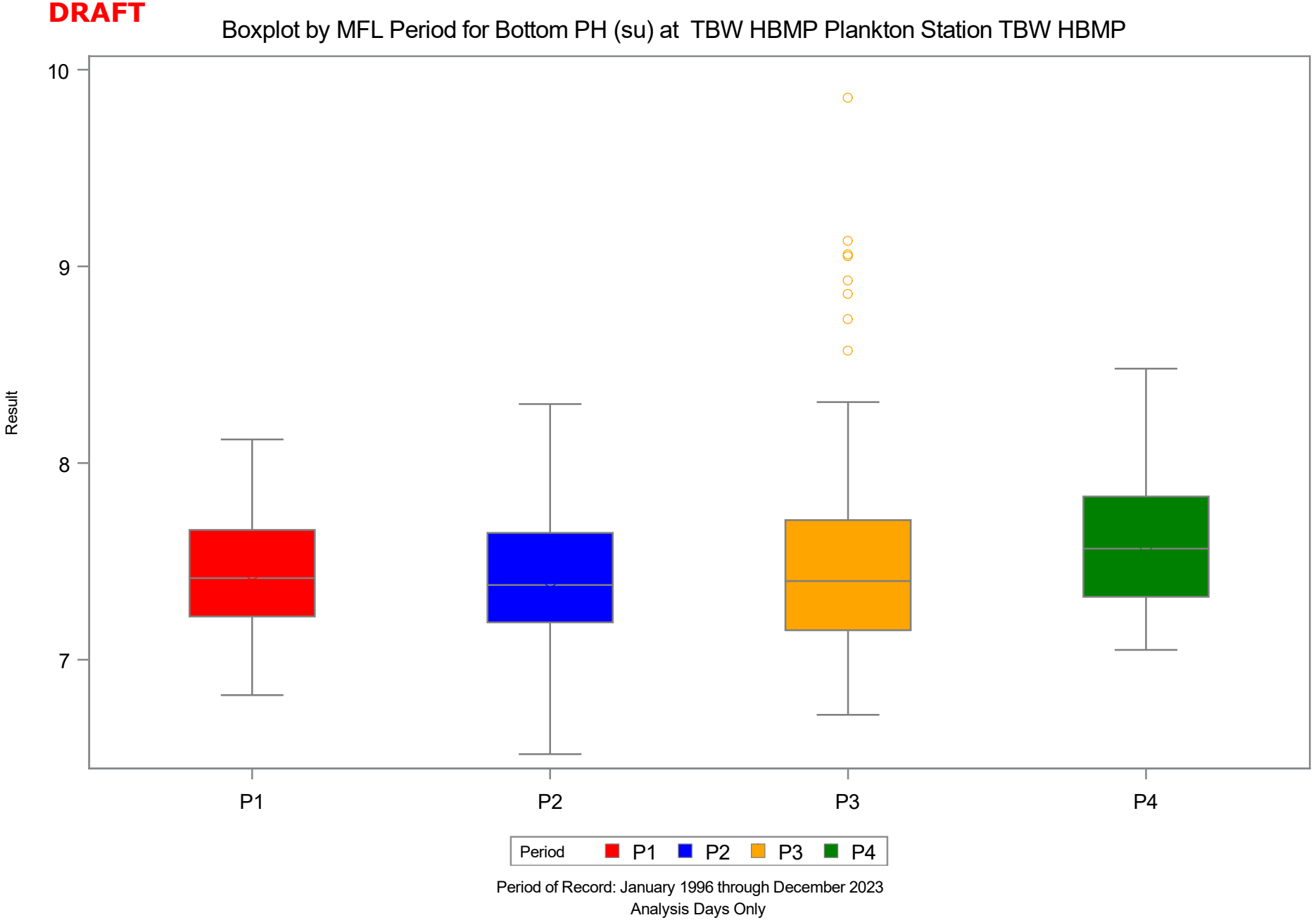
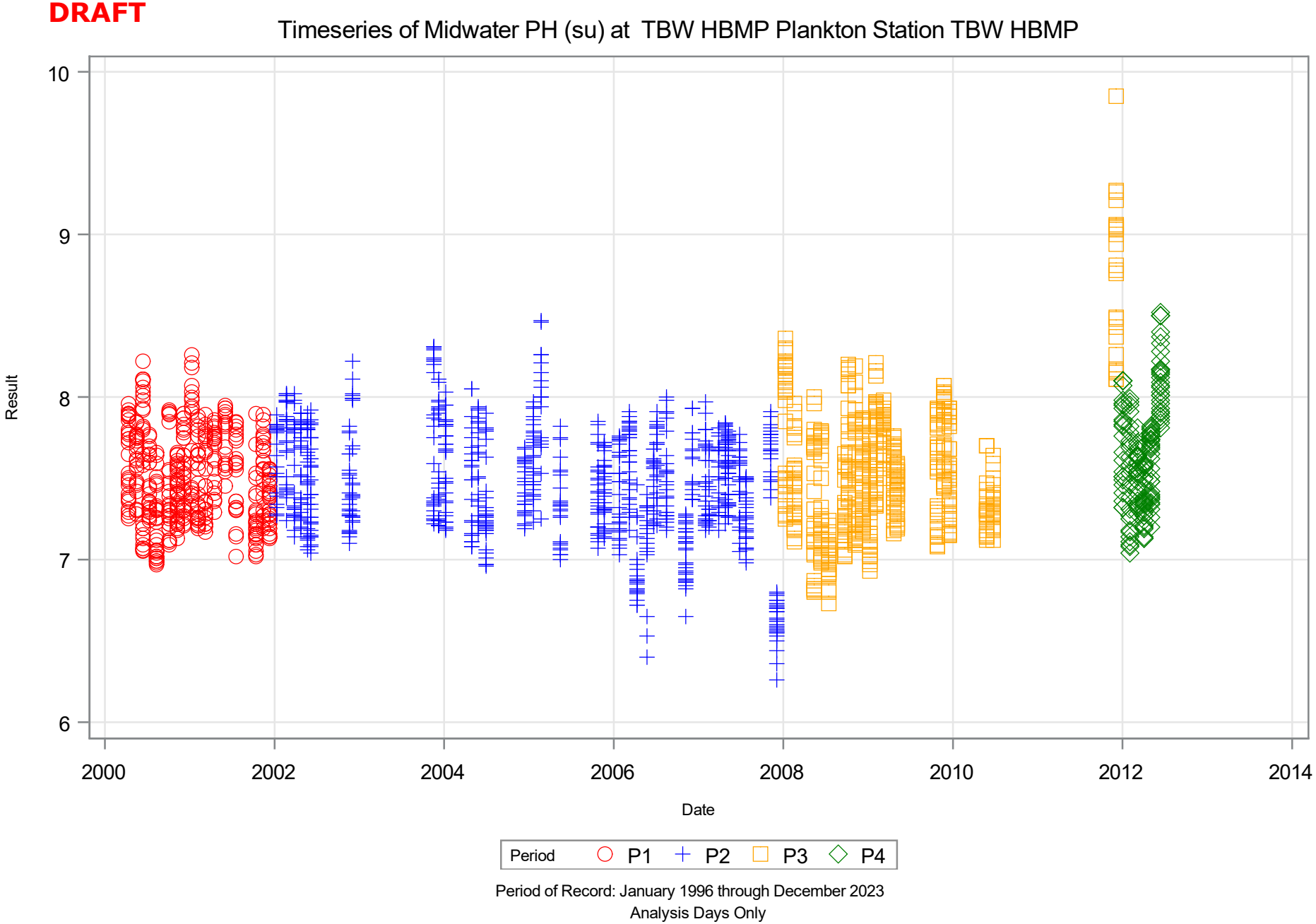

Boxplot by MFL Period for Bottom PH (su) at TBW HBMP Plankton Station TBW HBMP
Result
10
9
8
7
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

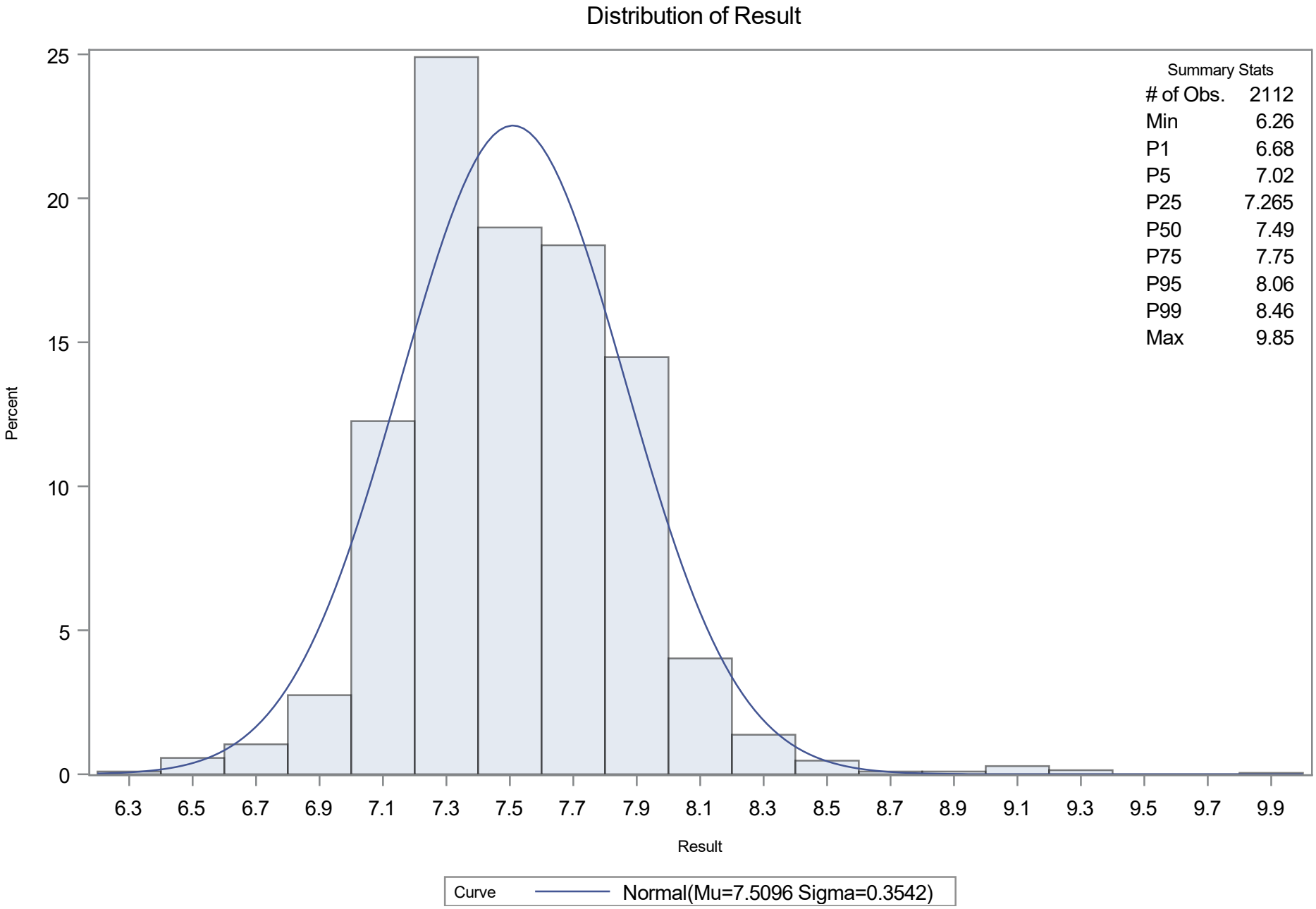
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.50956
Std Dev	Sigma	0.354207

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05090784	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.14282540	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.95376624	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.68000	6.68555
5.0	7.02000	6.92694
10.0	7.12000	7.05563
25.0	7.26500	7.27065
50.0	7.49000	7.50956
75.0	7.75000	7.74847
90.0	7.92000	7.96349
95.0	8.06000	8.09218
99.0	8.46000	8.33357

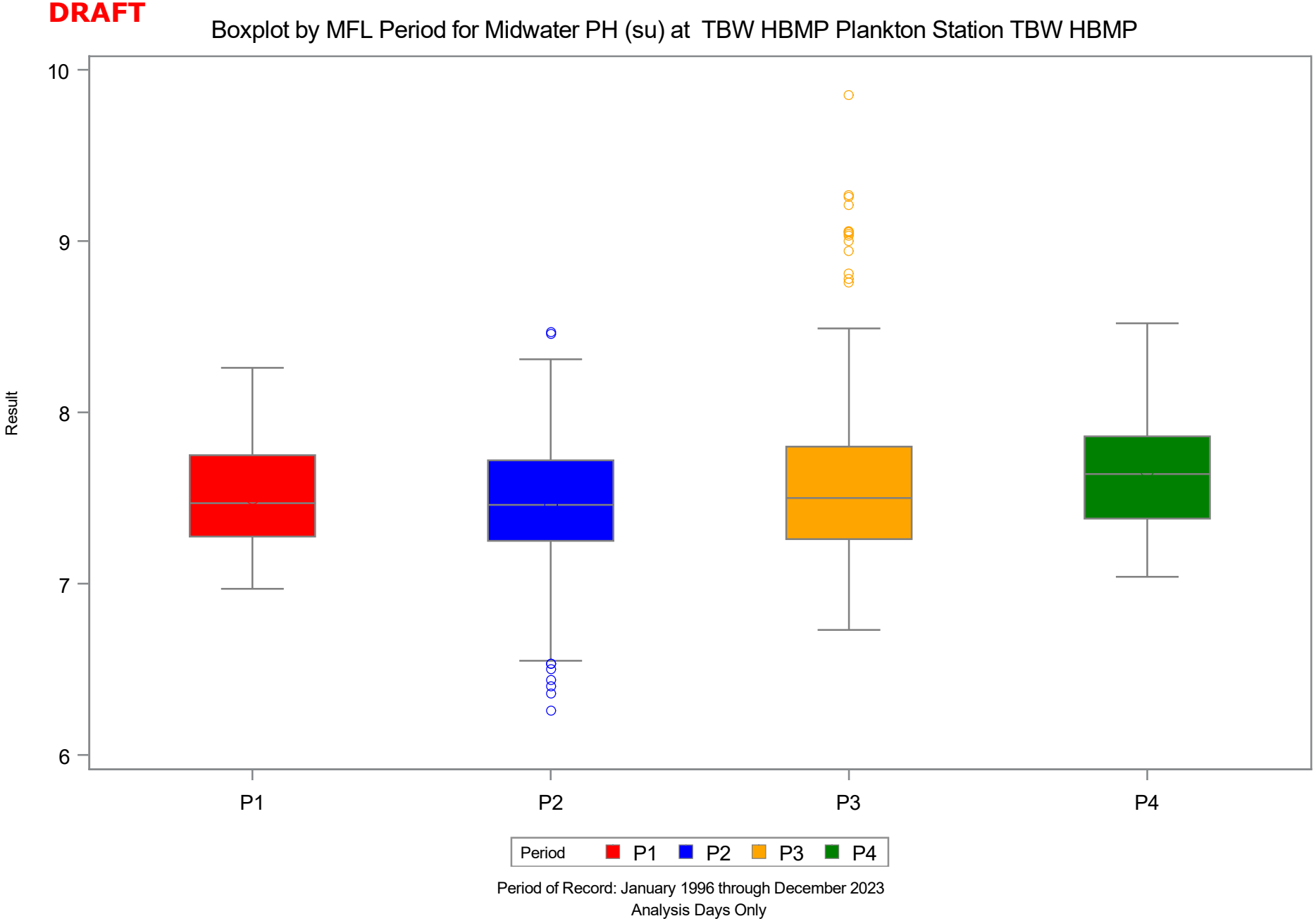
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater PH (su) at TBW HBMP Plankton Station TBW HBMP**

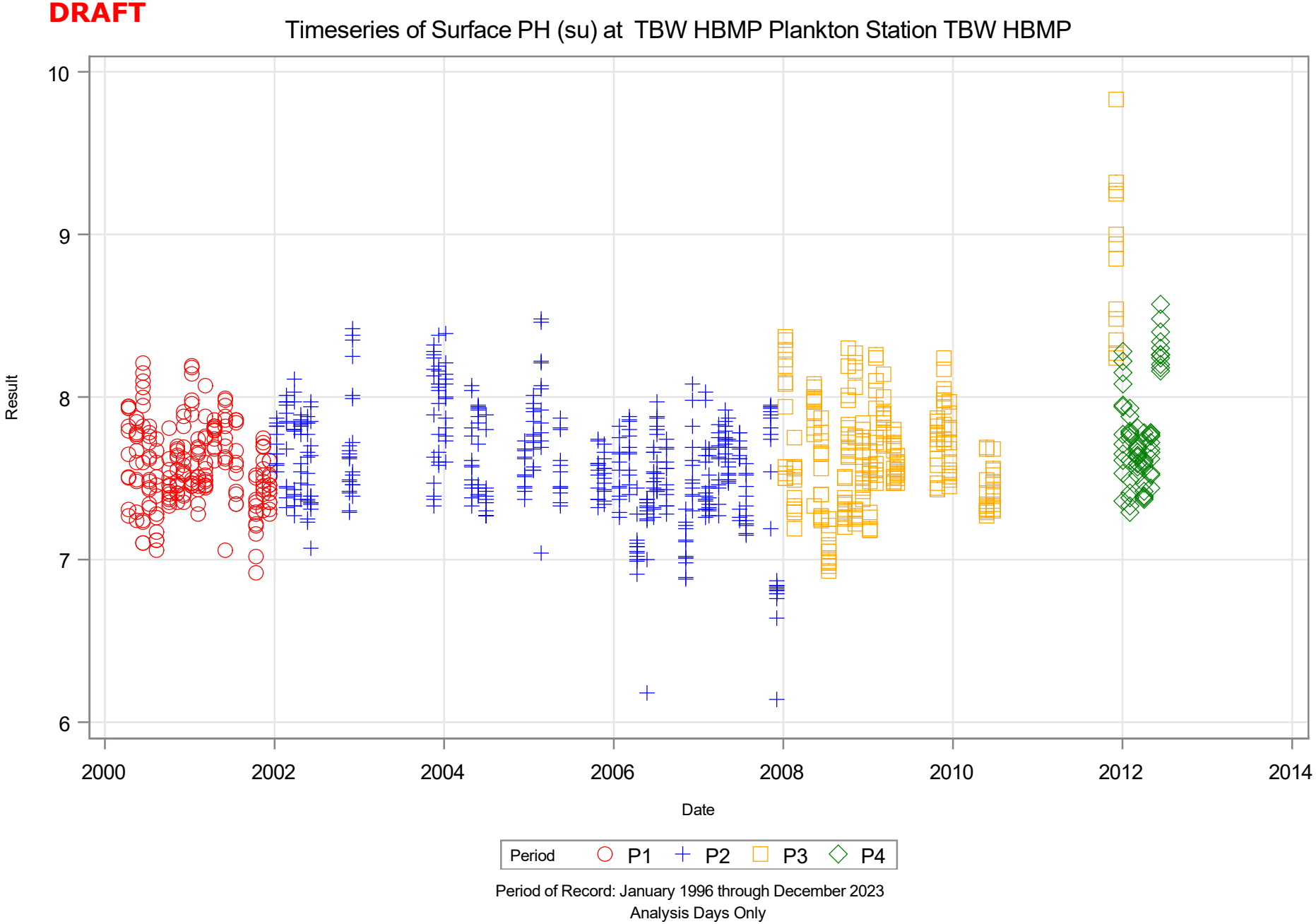
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	420	6.97	7.28	7.50	7.47	7.75	8.26
P2	949	6.26	7.25	7.46	7.46	7.72	8.47
P3	574	6.73	7.26	7.55	7.50	7.80	9.85
P4	169	7.04	7.38	7.66	7.64	7.86	8.52

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

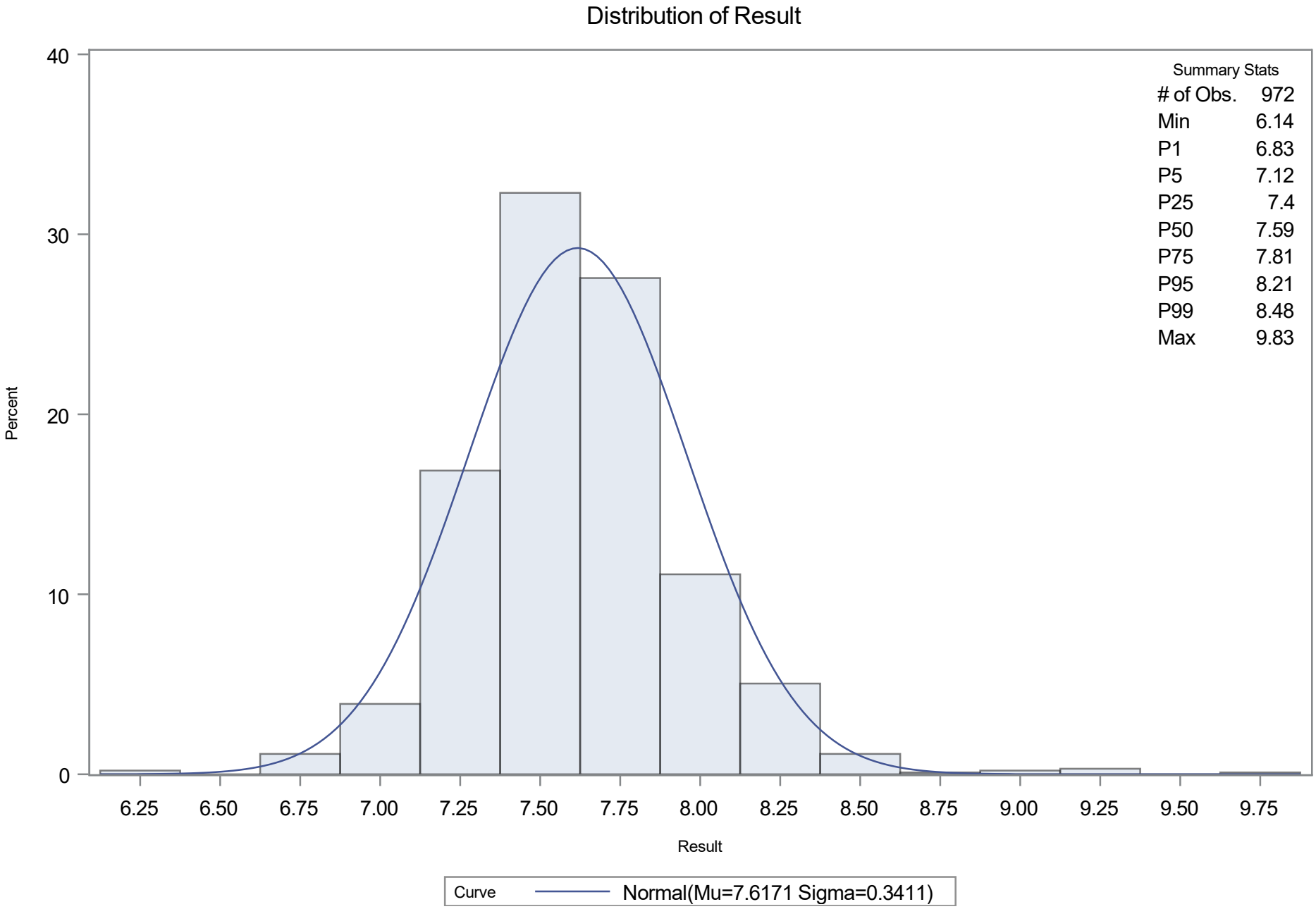

Boxplot by MFL Period for Midwater PH (su) at TBW HBMP Plankton Station TBW HBMP
Result
10
9
8
7
6
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at TBW HBMP Plankton Station TBW HBMP
Result
10
9
8
7
6
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Surface PH (su) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.617078
Std Dev	Sigma	0.34112

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06015132	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.91754723	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.04360393	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.83000	6.82352
5.0	7.12000	7.05599
10.0	7.27000	7.17992
25.0	7.40000	7.38700
50.0	7.59000	7.61708
75.0	7.81000	7.84716
90.0	8.01000	8.05424
95.0	8.21000	8.17817
99.0	8.48000	8.41064

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface PH (su) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	204	6.92	7.42	7.58	7.56	7.77	8.21
P2	456	6.14	7.37	7.58	7.58	7.80	8.48
P3	240	6.93	7.41	7.68	7.60	7.87	9.83
P4	72	7.29	7.57	7.77	7.70	7.94	8.57

Period of Record: January 1996 through December 2023
Analysis Days Only

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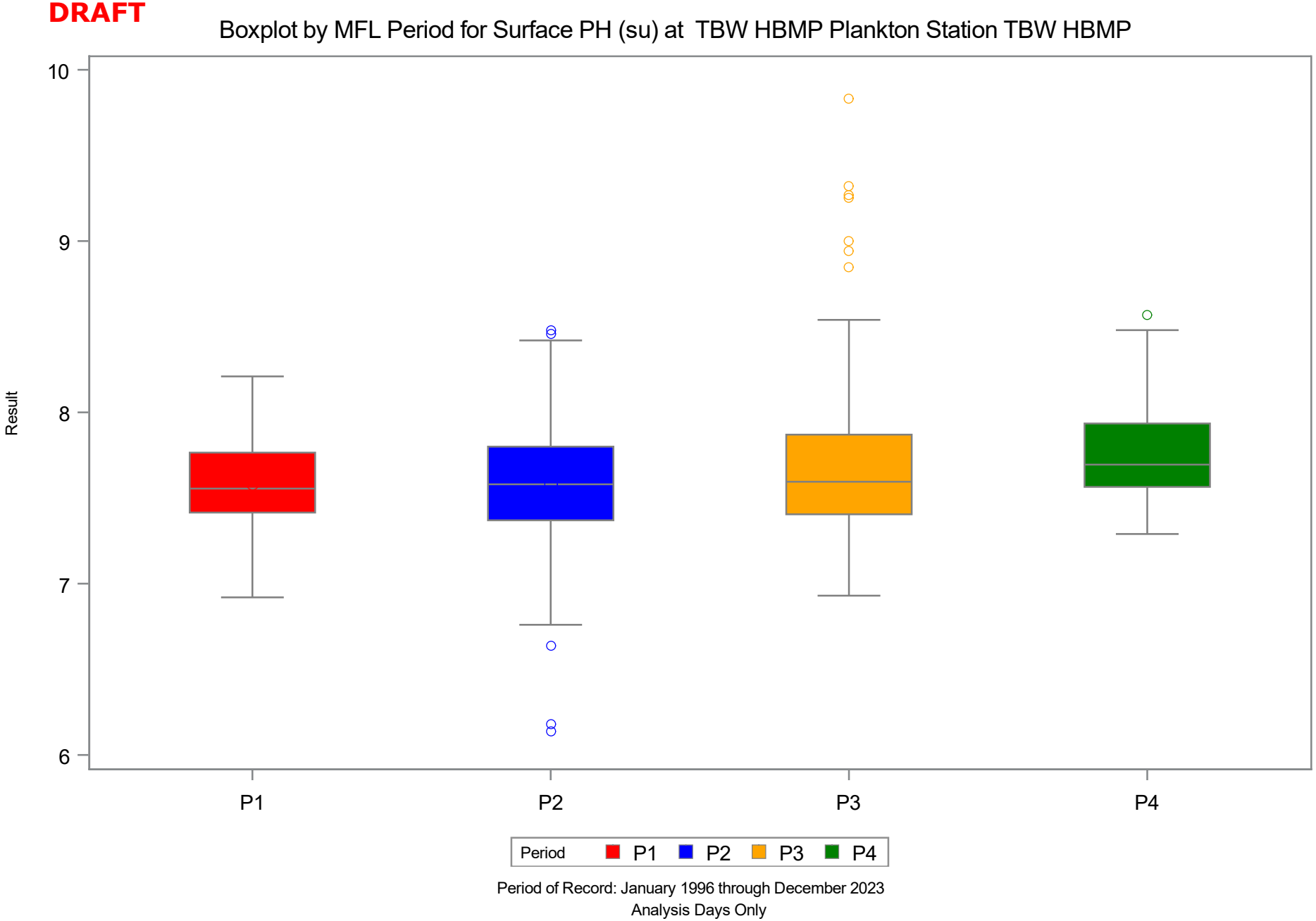
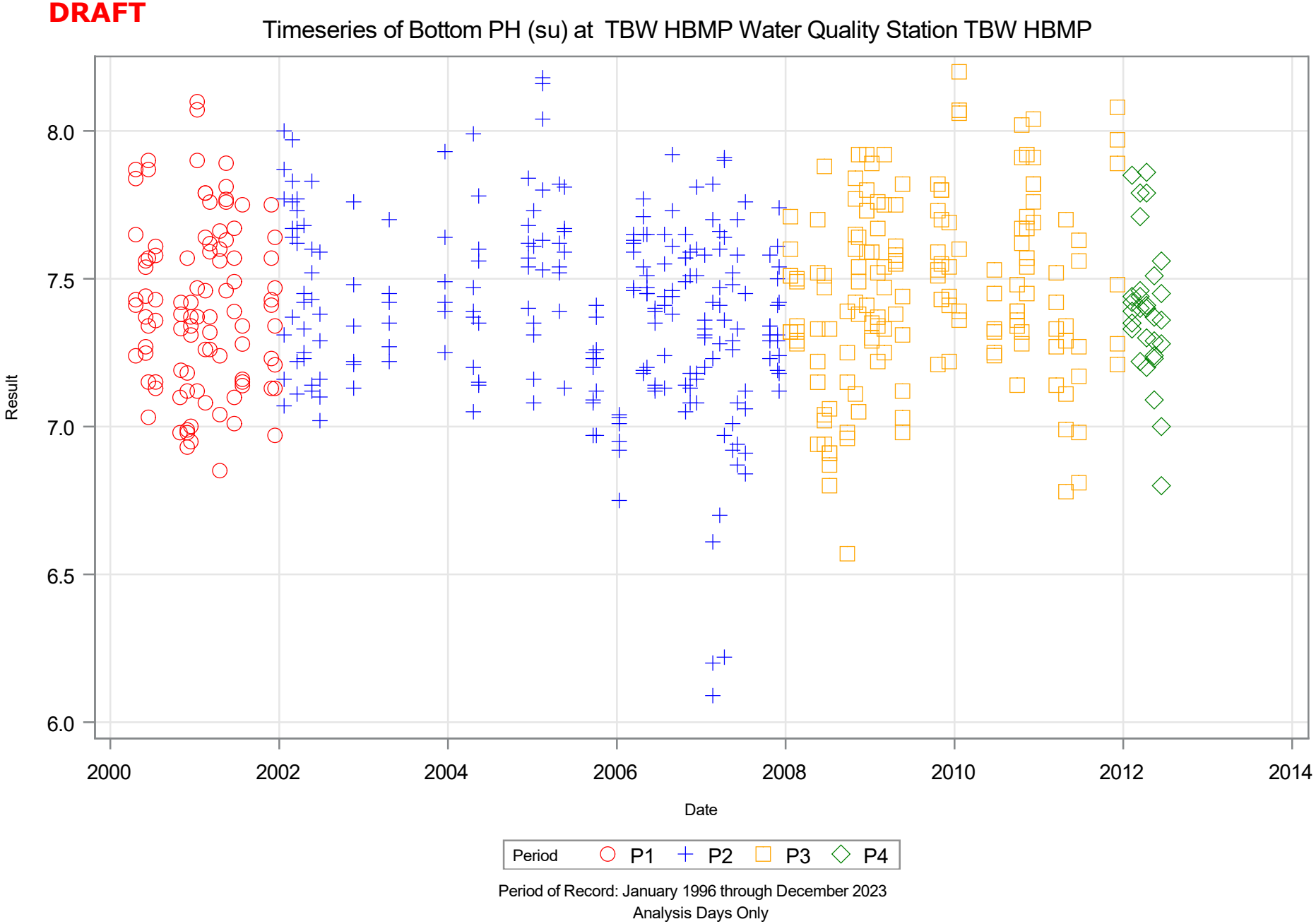

Boxplot by MFL Period for Surface PH (su) at TBW HBMP Plankton Station TBW HBMP
Result
10
9
8
7
6
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom PH (su) at TBW HBMP Water Quality Station TBW HBMP
Result
8.0
7.5
7.0
6.5
6.0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

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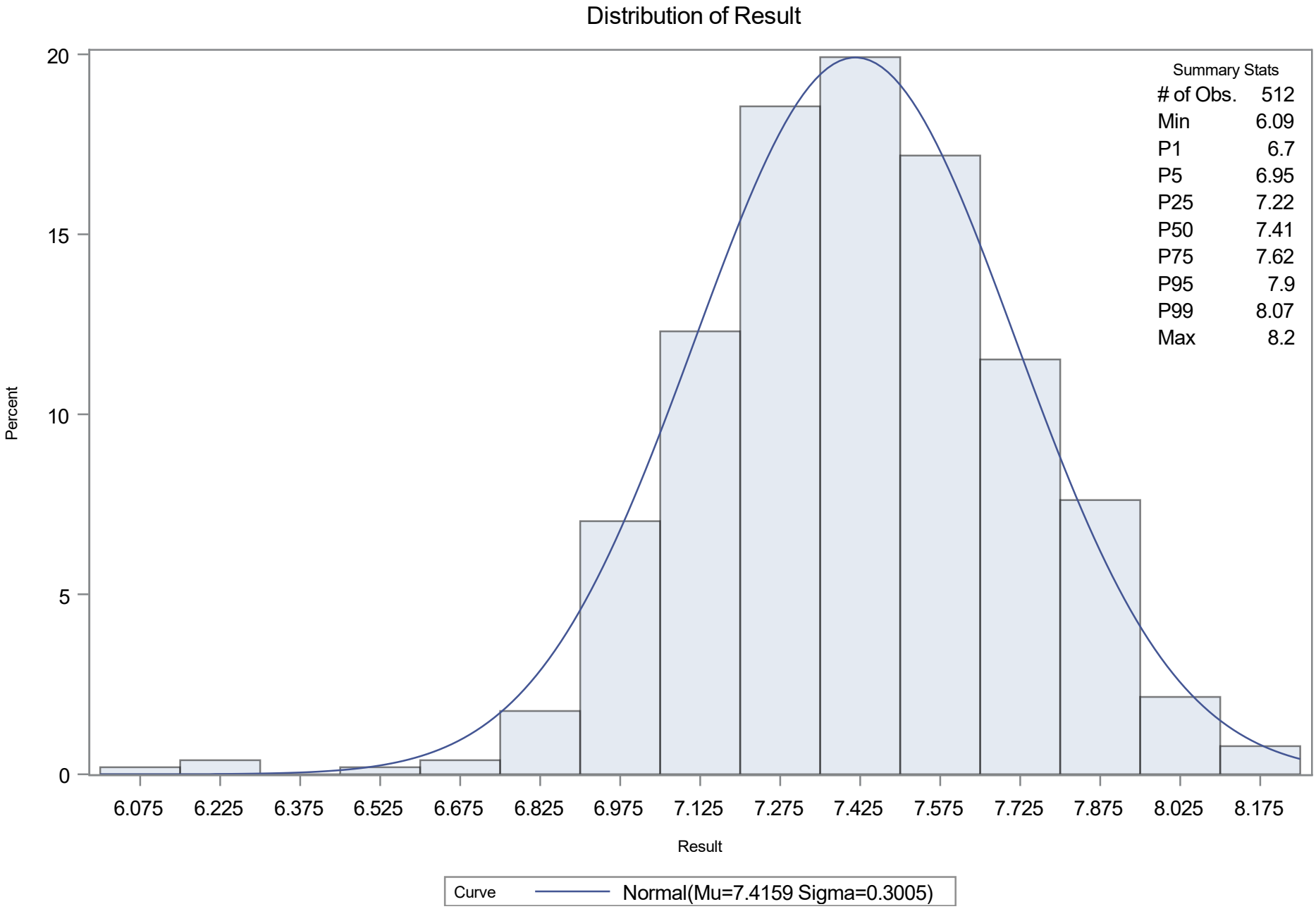
Univariate Histogram of Bottom PH (su) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom PH (su) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.415879
Std Dev	Sigma	0.300521

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02374973	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03654751	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37554634	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.70000	6.71676
5.0	6.95000	6.92157
10.0	7.05000	7.03075
25.0	7.22000	7.21318
50.0	7.41000	7.41588
75.0	7.62000	7.61858
90.0	7.80000	7.80101
95.0	7.90000	7.91019
99.0	8.07000	8.11499

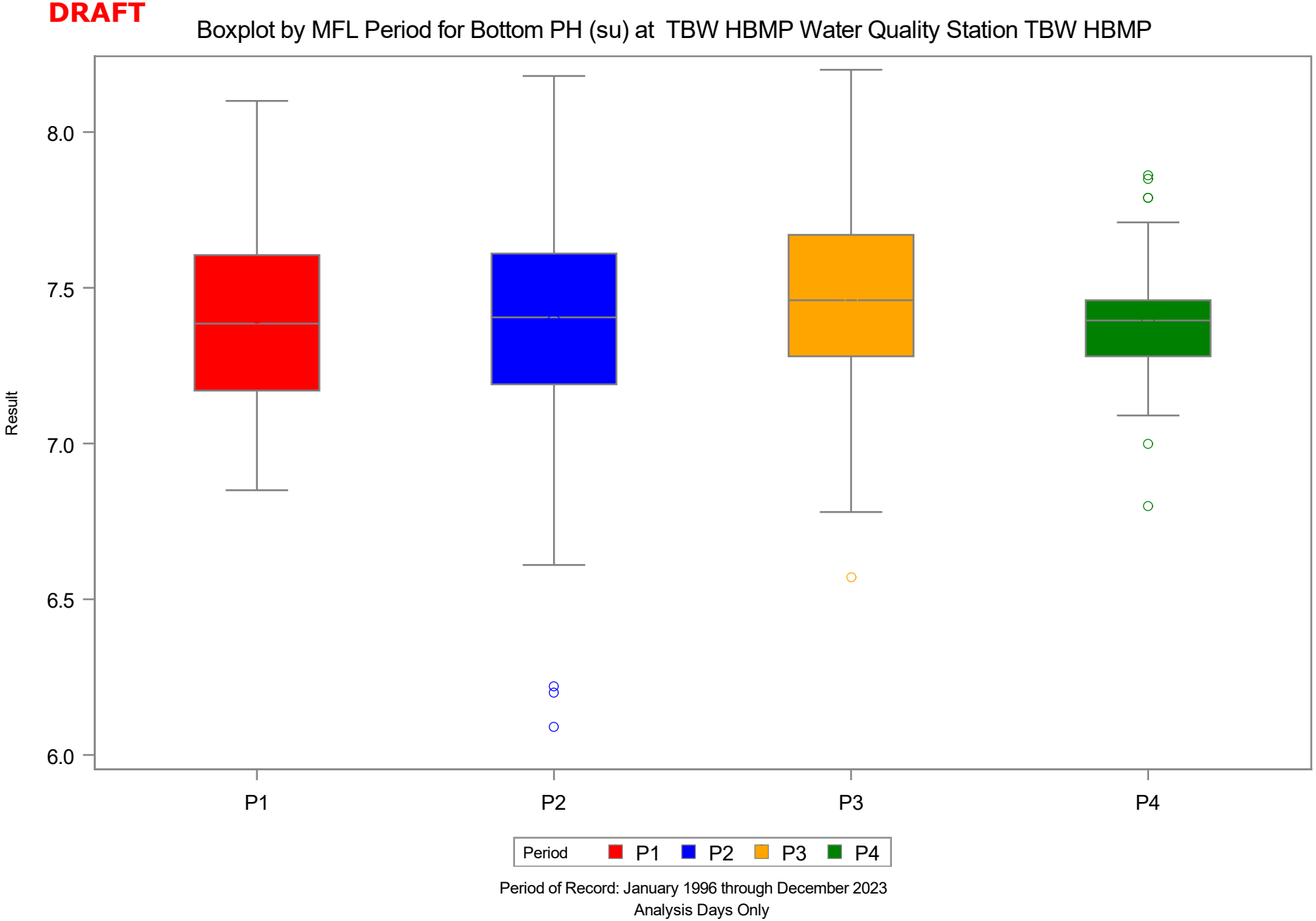
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom PH (su) at TBW HBMP Water Quality Station TBW HBMP**

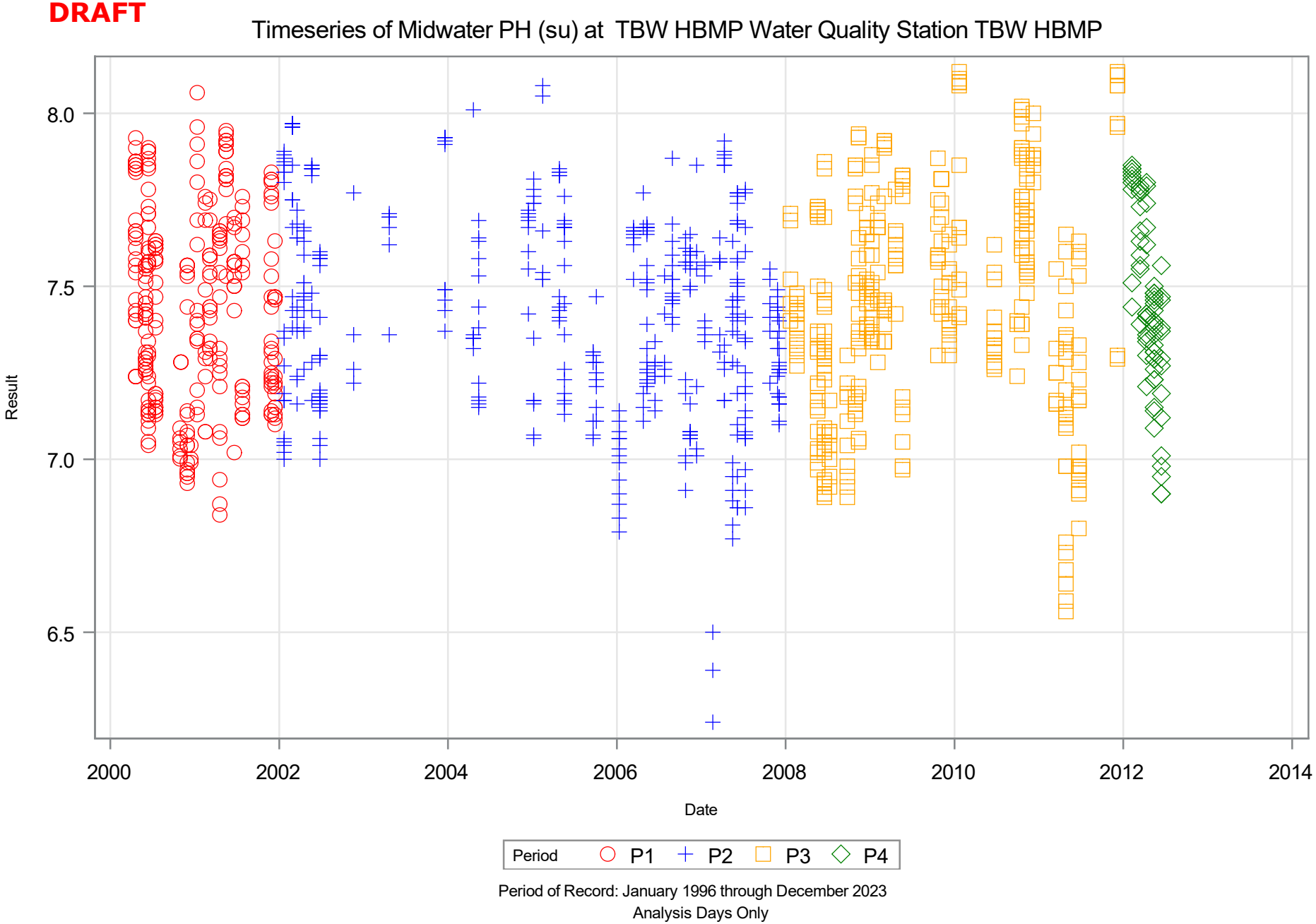
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	96	6.85	7.17	7.41	7.39	7.61	8.10
P2	226	6.09	7.19	7.39	7.41	7.61	8.18
P3	160	6.57	7.28	7.46	7.46	7.67	8.20
P4	30	6.80	7.28	7.40	7.40	7.46	7.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

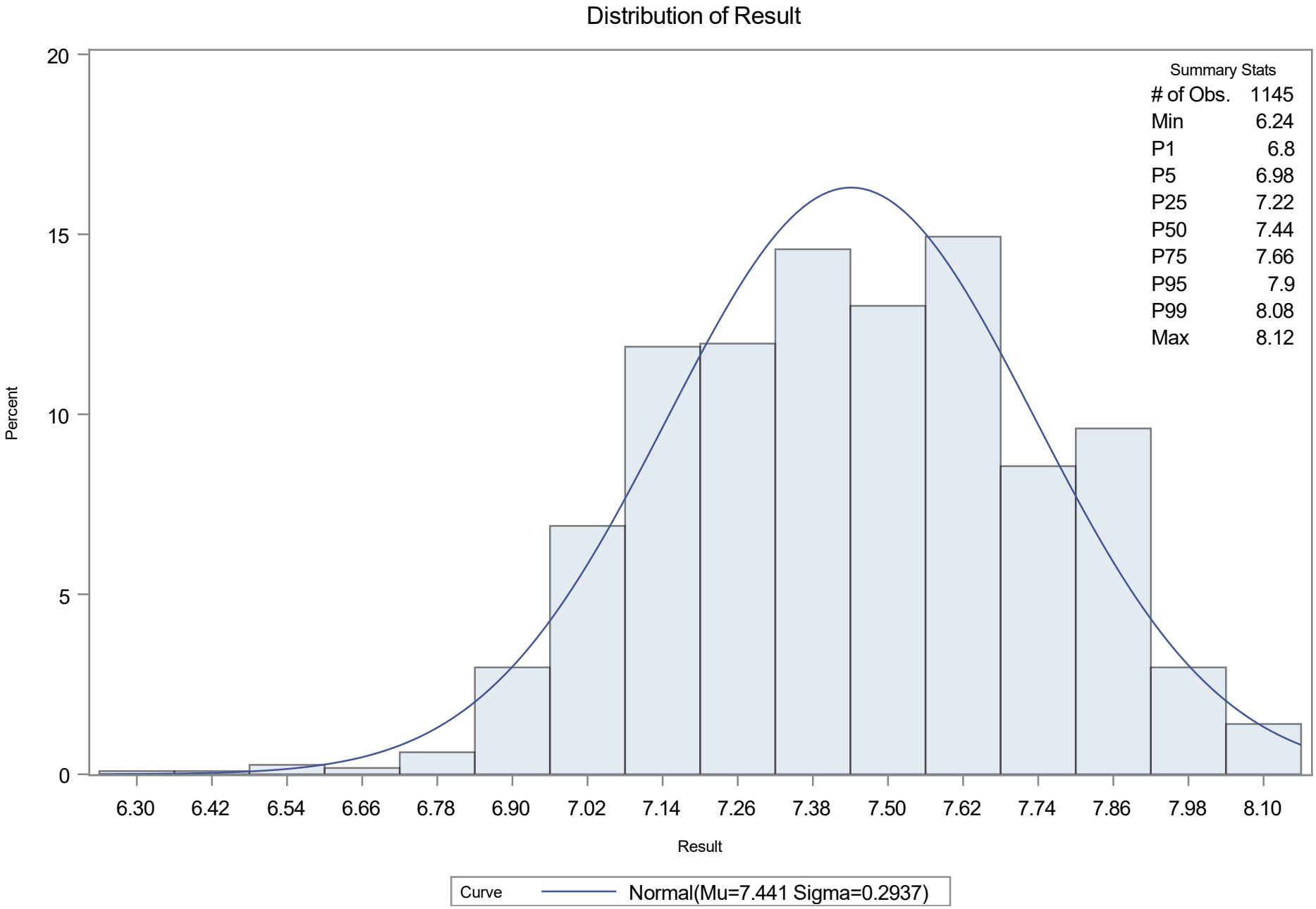

Boxplot by MFL Period for Bottom PH (su) at TBW HBMP Water Quality Station TBW HBMP
Result
8.0
7.5
7.0
6.5
6.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater PH (su) at TBW HBMP Water Quality Station TBW HBMP
Result
8.0
7.5
7.0
6.5
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater PH (su) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.440996
Std Dev	Sigma	0.293725

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03328753	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26830262	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.93674060	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.80000	6.75769
5.0	6.98000	6.95786
10.0	7.06000	7.06457
25.0	7.22000	7.24288
50.0	7.44000	7.44100
75.0	7.66000	7.63911
90.0	7.84000	7.81742
95.0	7.90000	7.92413
99.0	8.08000	8.12430

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater PH (su) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	287	6.84	7.21	7.45	7.46	7.65	8.06
P2	406	6.24	7.19	7.41	7.41	7.64	8.08
P3	379	6.56	7.27	7.46	7.45	7.70	8.12
P4	73	6.90	7.30	7.45	7.42	7.63	7.85

Period of Record: January 1996 through December 2023
Analysis Days Only

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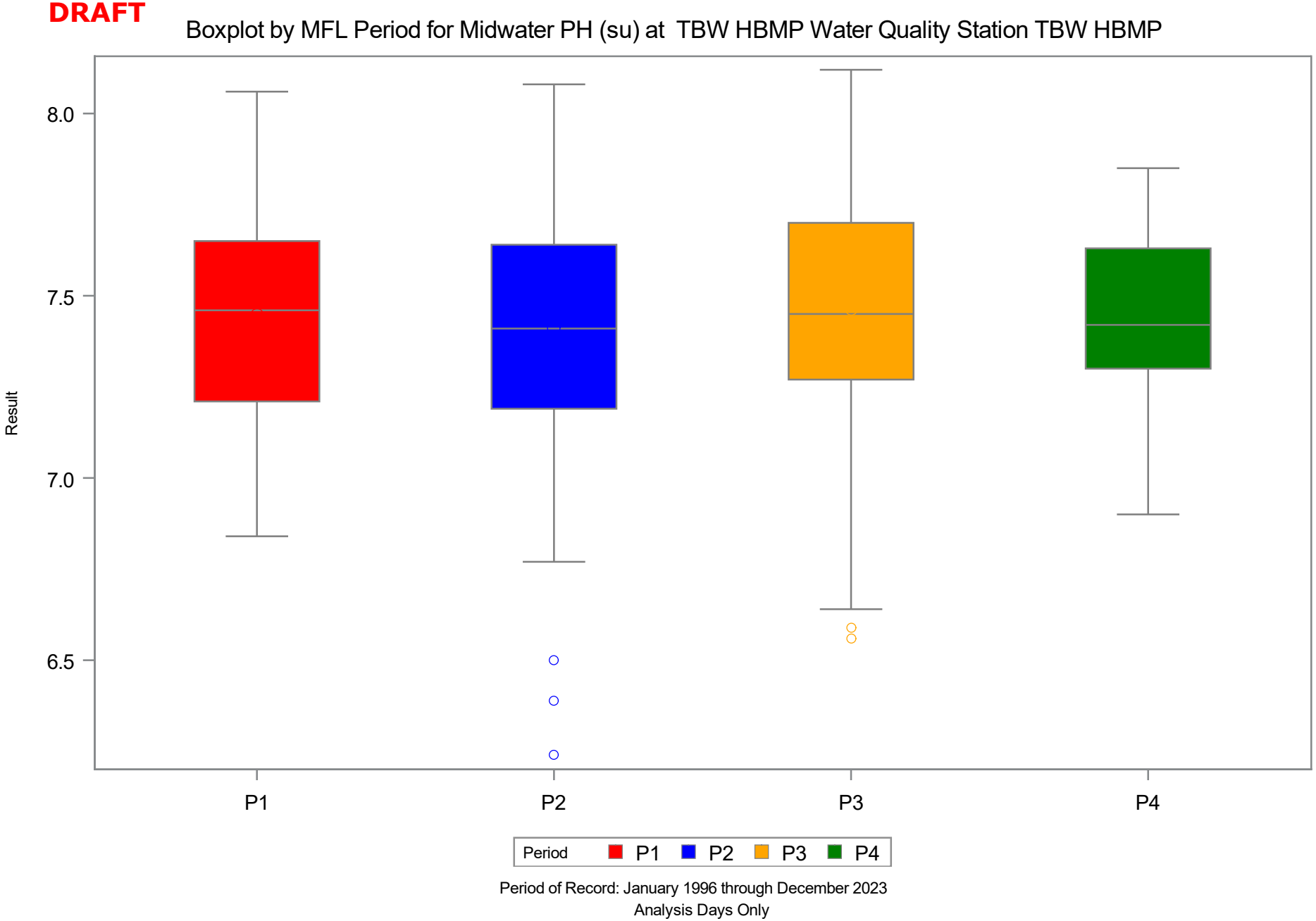
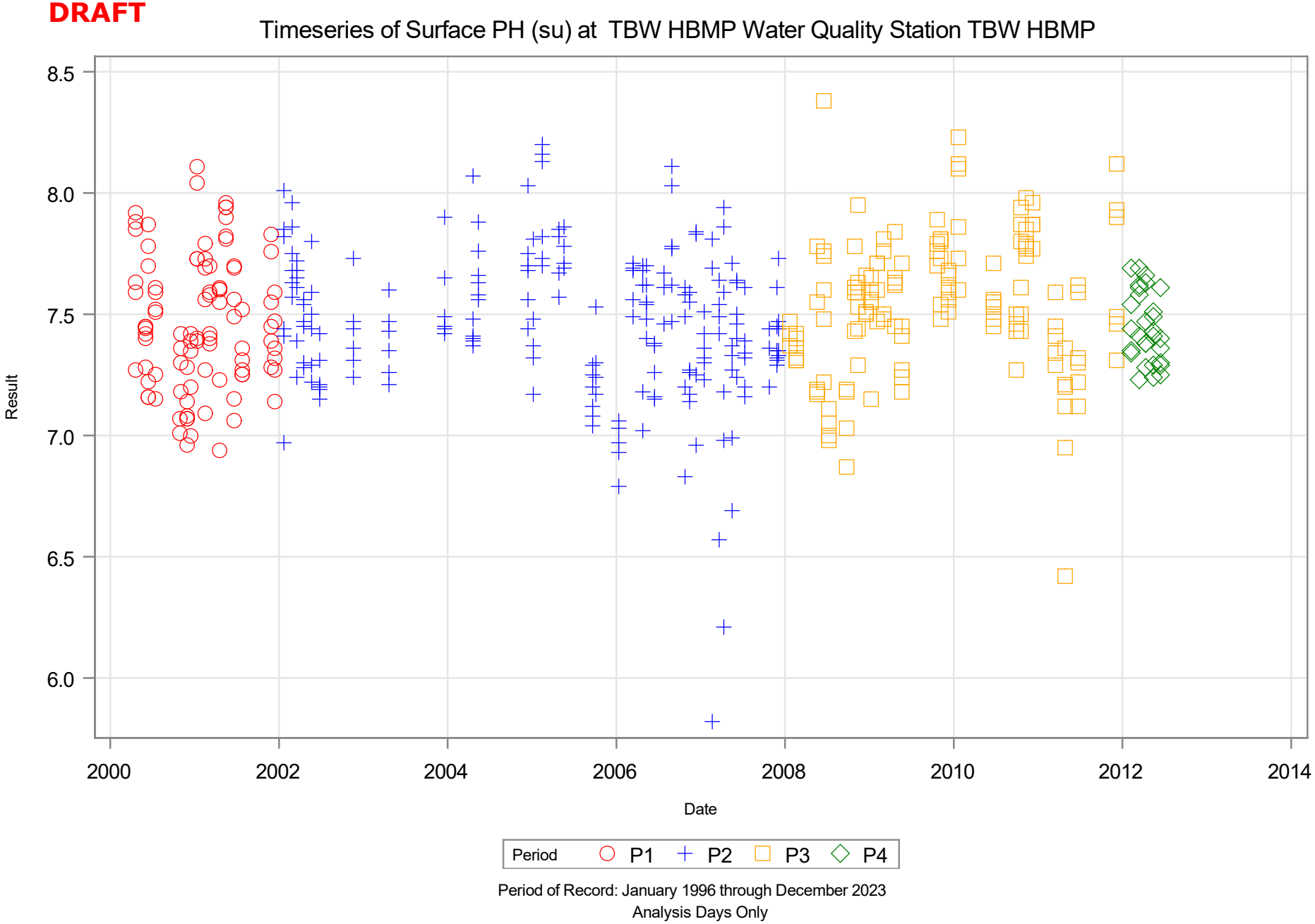
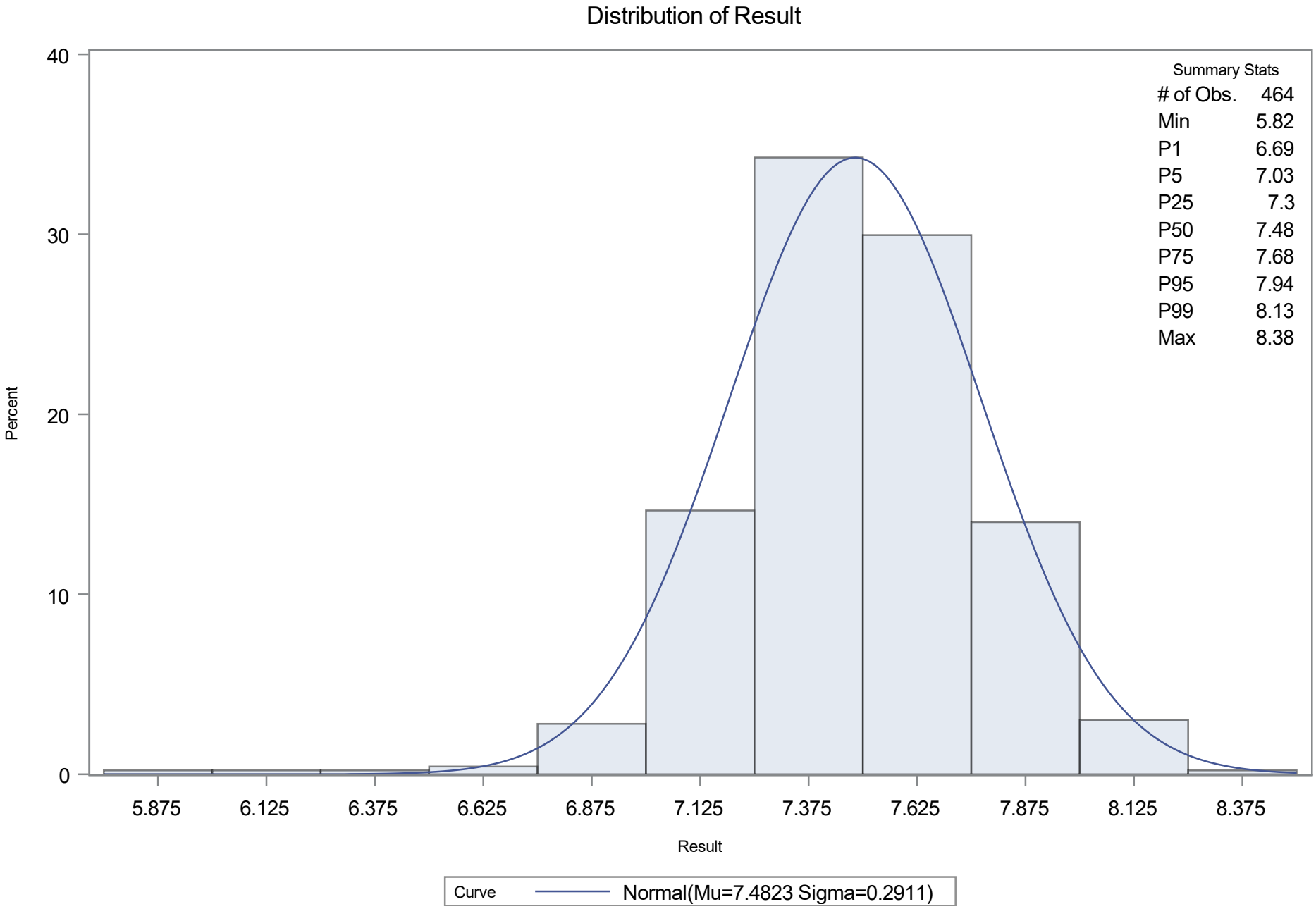

Boxplot by MFL Period for Midwater PH (su) at TBW HBMP Water Quality Station TBW HBMP
Result
8.0
7.5
7.0
6.5
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface PH (su) at TBW HBMP Water Quality Station TBW HBMP
Result
8.5
8.0
7.5
7.0
6.5
6.0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface PH (su) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.482263
Std Dev	Sigma	0.291094

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03848345	**Pr > D**	0.093
Cramer-von Mises	**W-Sq**	0.09665905	**Pr > W-Sq**	0.128
Anderson-Darling	**A-Sq**	0.87391733	**Pr > A-Sq**	0.025

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.69000	6.80508
5.0	7.03000	7.00346
10.0	7.16000	7.10921
25.0	7.30000	7.28592
50.0	7.48000	7.48226
75.0	7.68000	7.67860
90.0	7.83000	7.85531
95.0	7.94000	7.96107
99.0	8.13000	8.15945

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface PH (su) at TBW HBMP Water Quality Station TBW HBMP**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	95	6.94	7.27	7.46	7.42	7.69	8.11
P2	203	5.82	7.29	7.46	7.46	7.67	8.20
P3	137	6.42	7.36	7.54	7.55	7.74	8.38
P4	29	7.23	7.34	7.44	7.41	7.58	7.69

Period of Record: January 1996 through December 2023
Analysis Days Only

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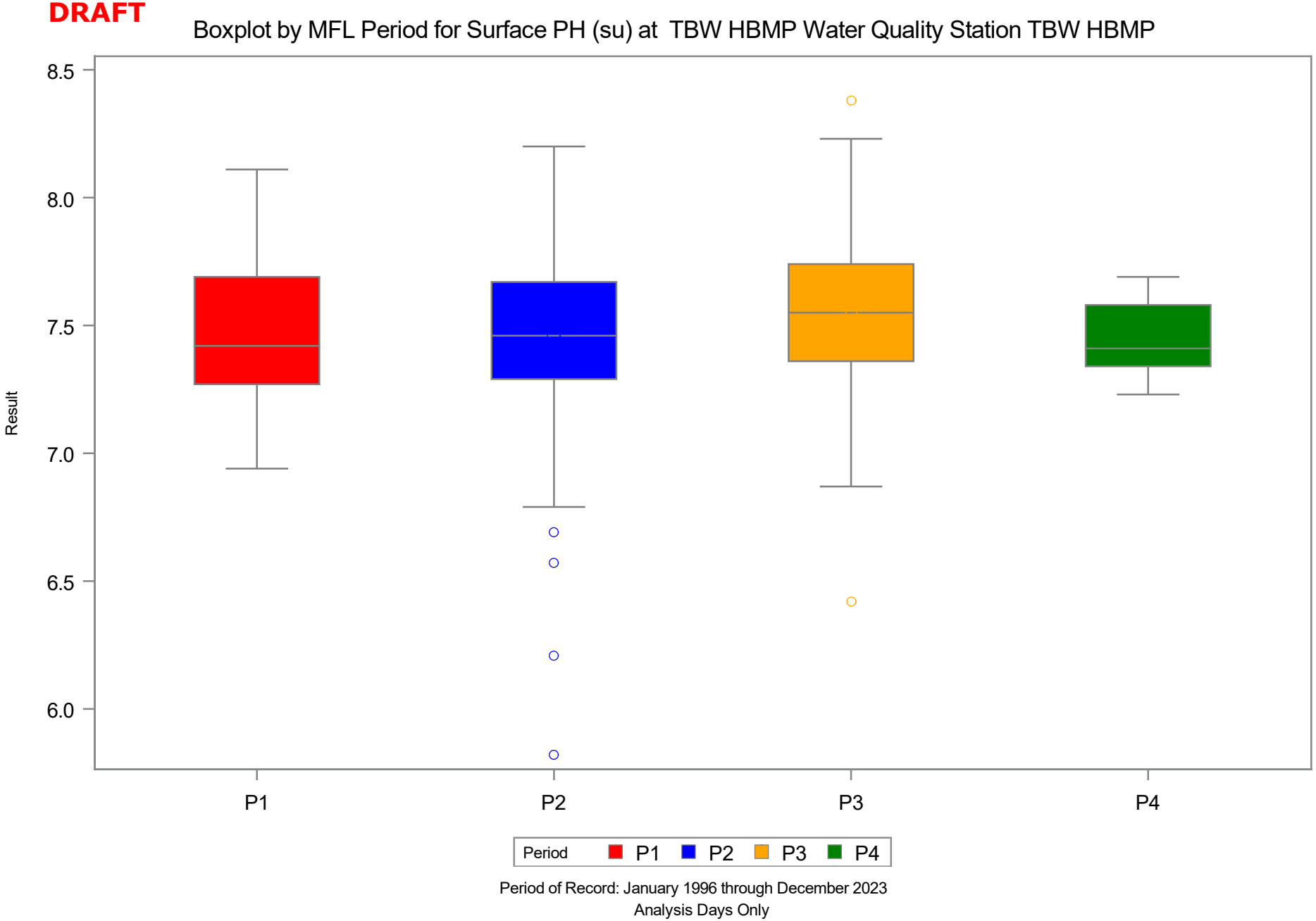
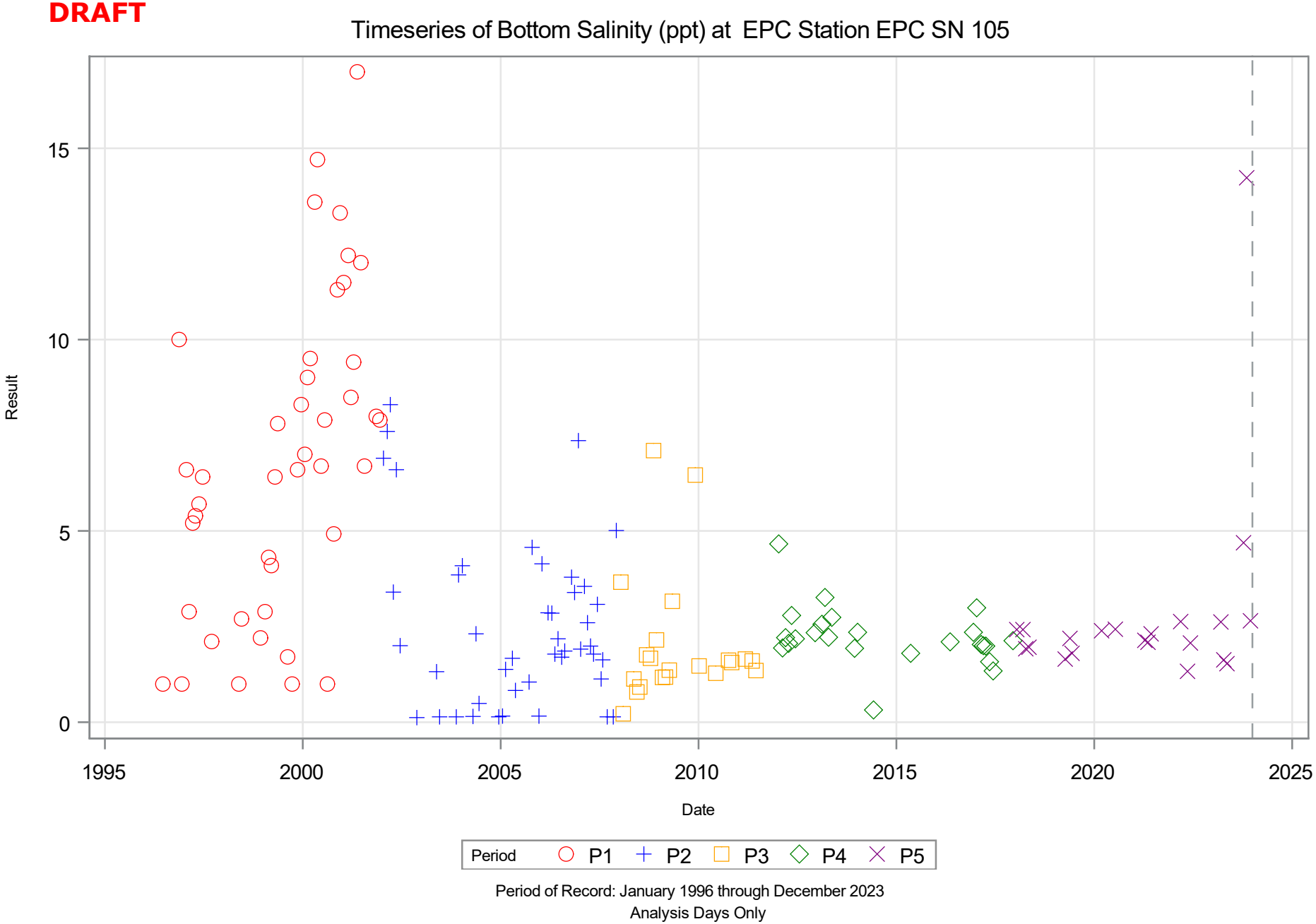
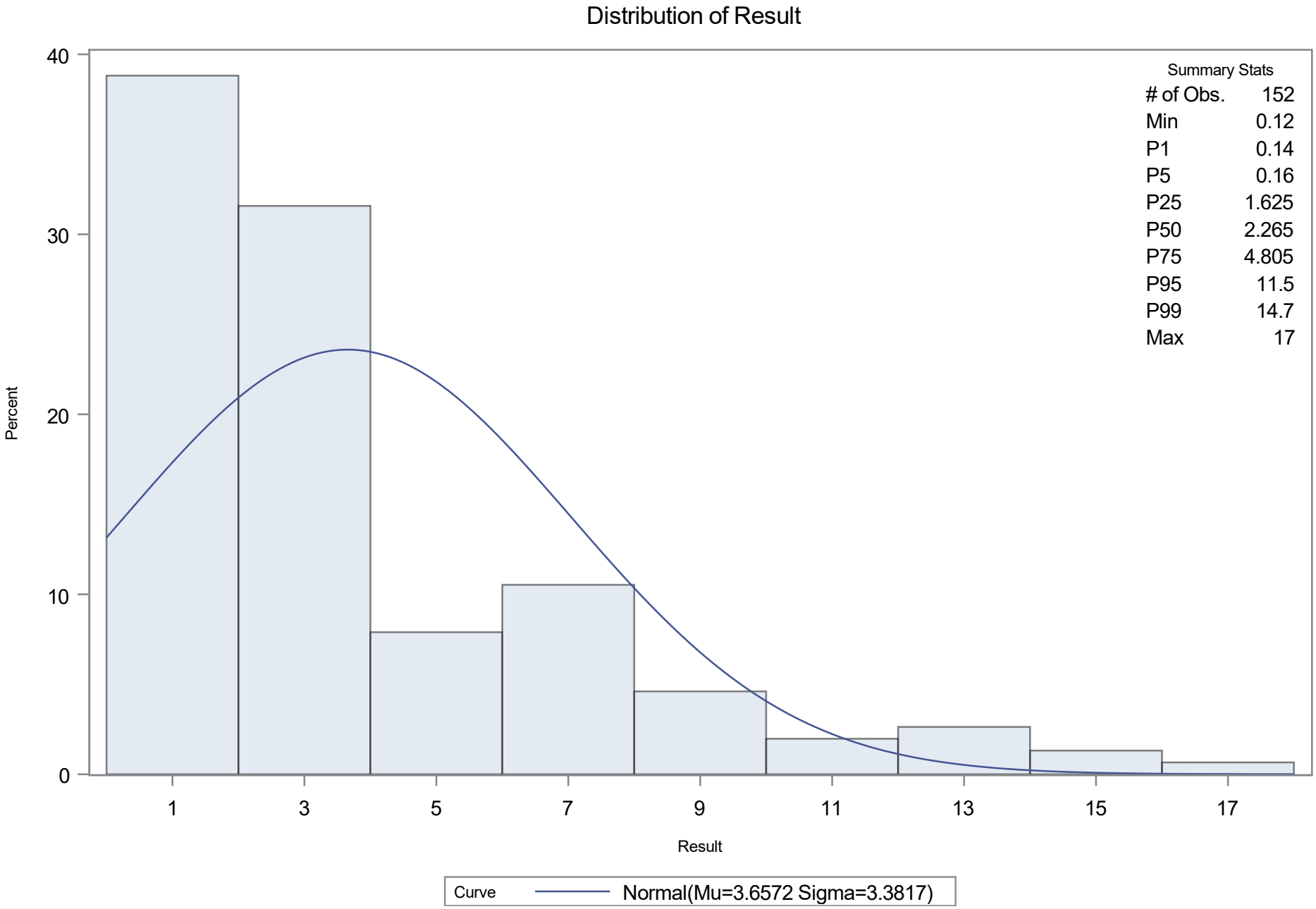

Boxplot by MFL Period for Surface PH (su) at TBW HBMP Water Quality Station TBW HBMP
Result
8.5
8.0
7.5
7.0
6.5
6.0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 105
Result
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.657171
Std Dev	Sigma	3.381747

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2267401	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.9984796	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.5152215	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.14000	-4.20995
5.0	0.16000	-1.90531
10.0	1.00000	-0.67671
25.0	1.62500	1.37622
50.0	2.26500	3.65717
75.0	4.80500	5.93812
90.0	8.30000	7.99105
95.0	11.50000	9.21965
99.0	14.70000	11.52429

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 105

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	1.00	2.90	6.84	6.65	9.40	17.00
P2	44	0.12	0.94	2.55	1.95	3.67	8.30
P3	21	0.22	1.18	2.06	1.56	1.76	7.10
P4	24	0.32	1.97	2.24	2.16	2.46	4.66
P5	21	1.33	1.92	2.81	2.19	2.43	14.23

Period of Record: January 1996 through December 2023
Analysis Days Only

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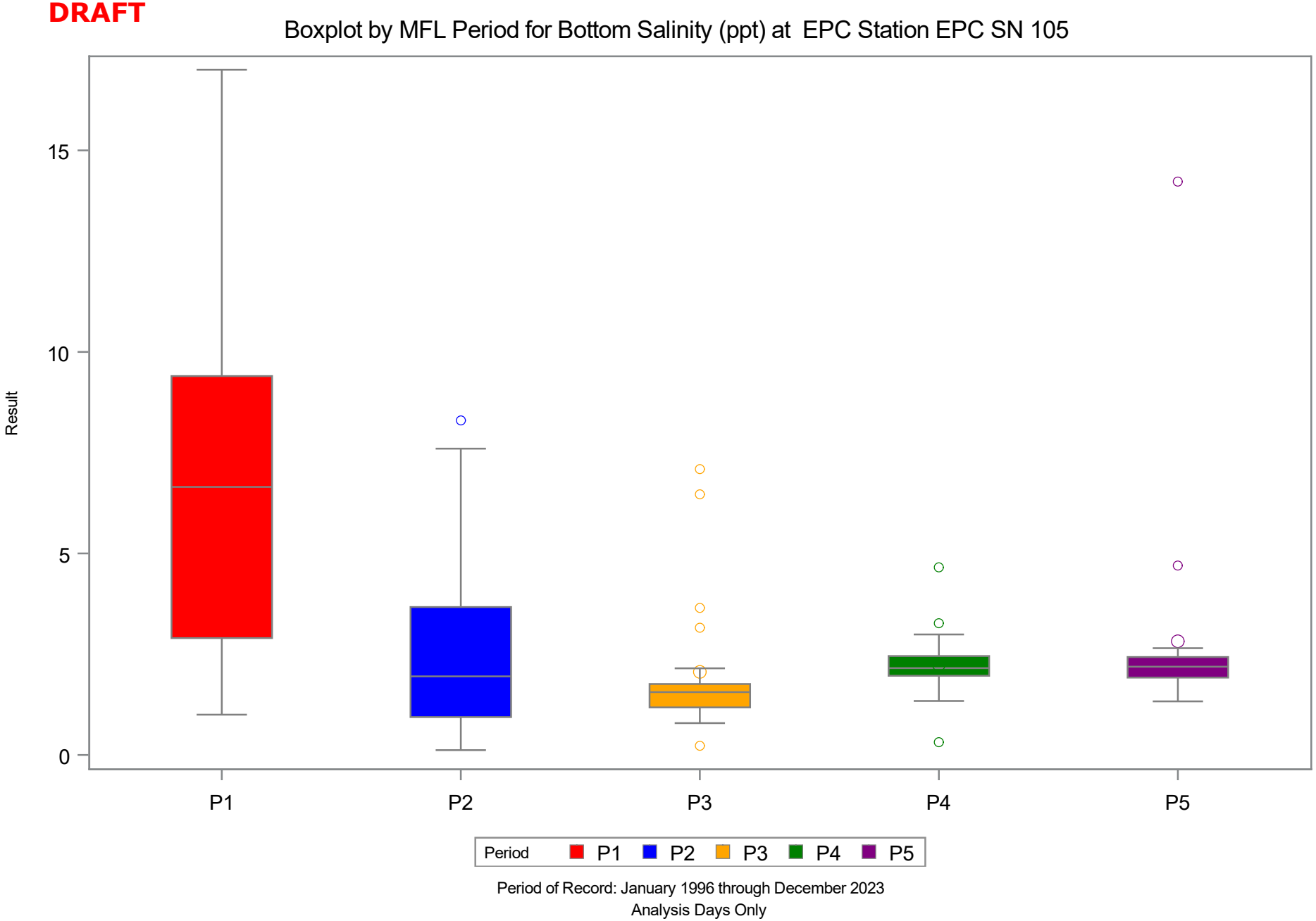
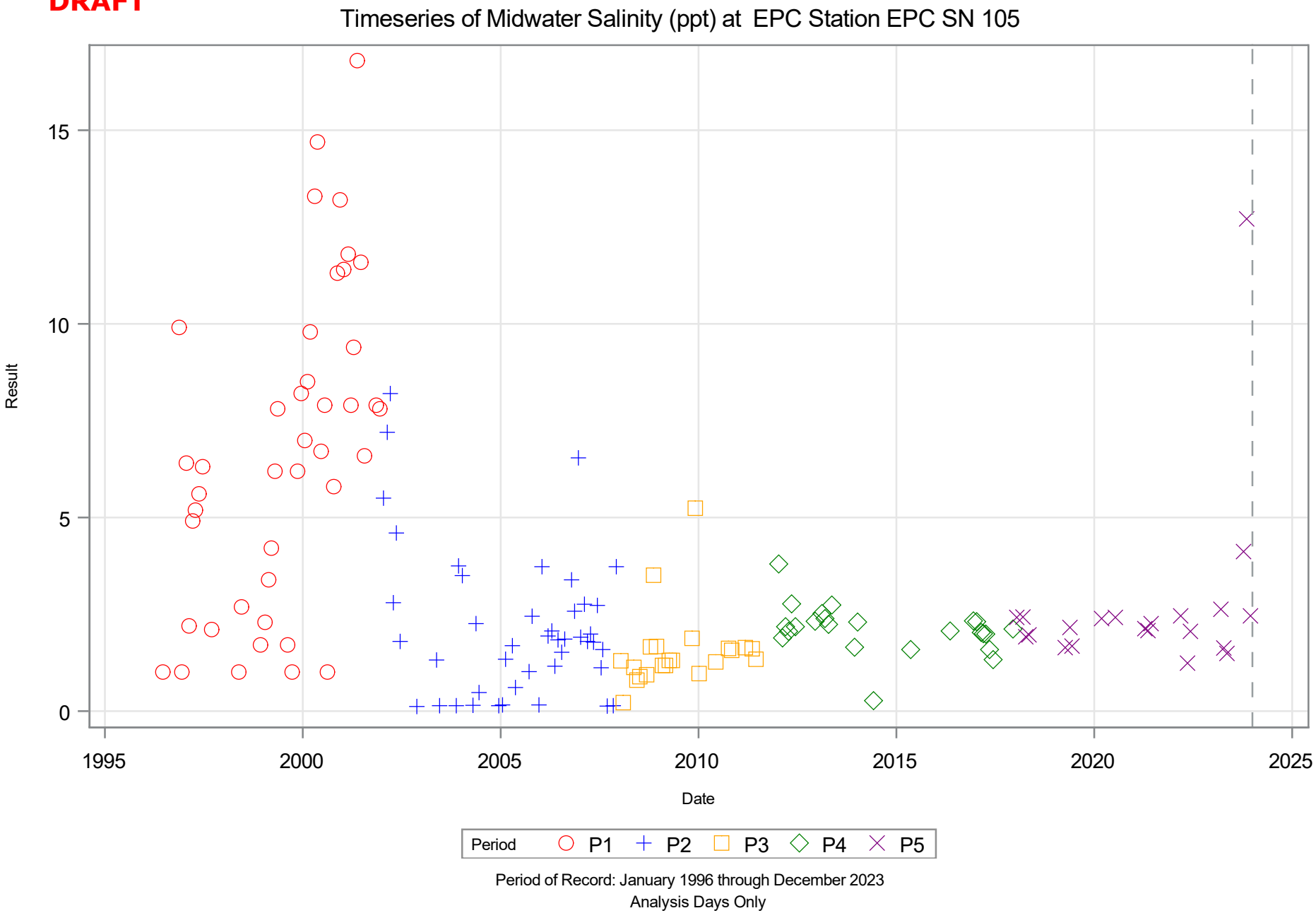

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 105
Result
15
10
5
0
P1
P2
P3
P4
P5
Period P1 P2 P3 P4 P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 105
Result
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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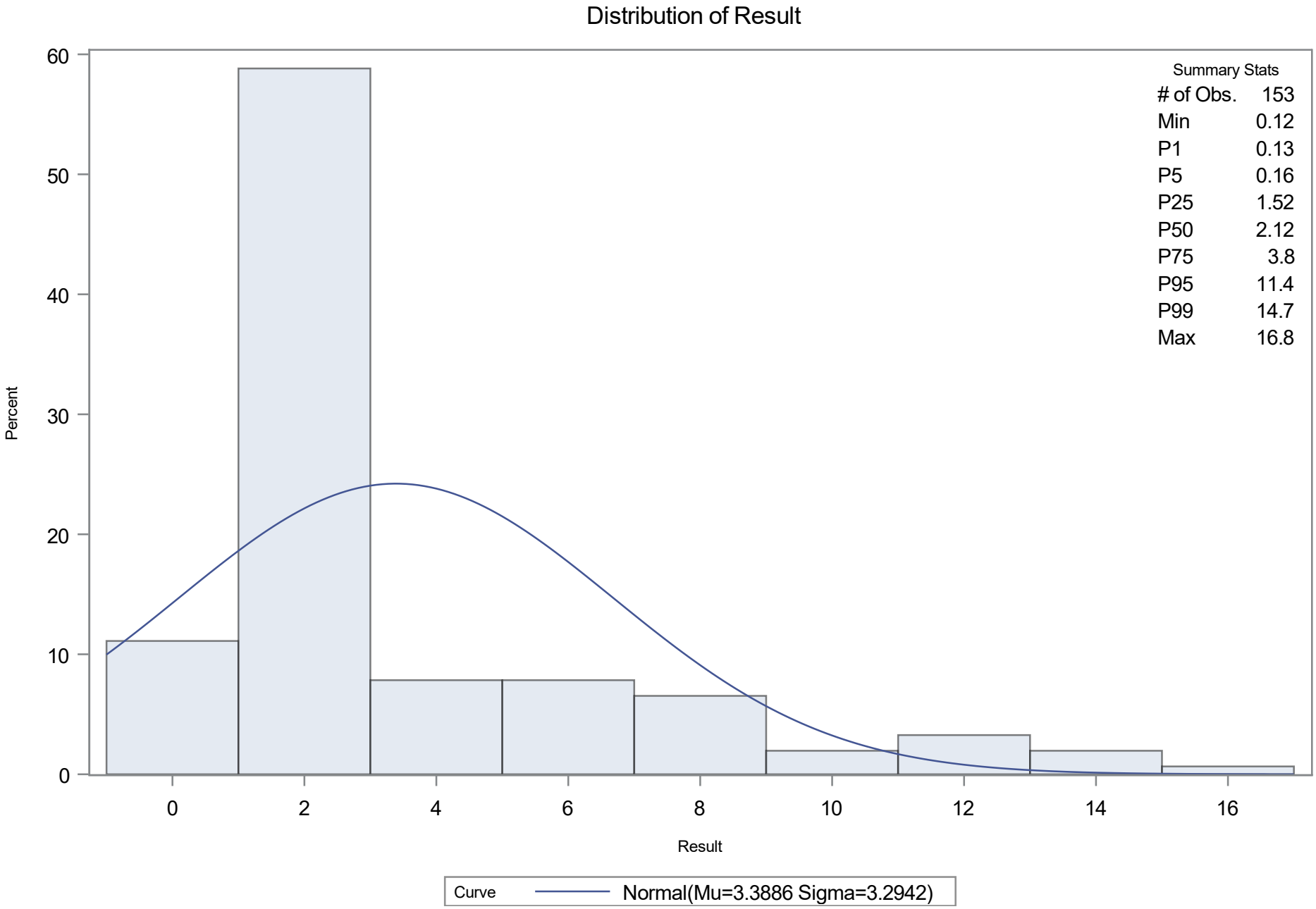
Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.388562
Std Dev	Sigma	3.294178

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2702469	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.5188310	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.0052826	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13000	-4.27484
5.0	0.16000	-2.02988
10.0	0.94000	-0.83310
25.0	1.52000	1.16667
50.0	2.12000	3.38856
75.0	3.80000	5.61045
90.0	7.90000	7.61022
95.0	11.40000	8.80700
99.0	14.70000	11.05197

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 105

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	1.00	2.70	6.70	6.50	9.40	16.80
P2	44	0.12	0.82	2.18	1.82	2.78	8.20
P3	22	0.22	1.13	1.56	1.31	1.64	5.24
P4	24	0.27	1.94	2.11	2.15	2.33	3.80
P5	21	1.24	1.92	2.68	2.16	2.43	12.71

Period of Record: January 1996 through December 2023
Analysis Days Only

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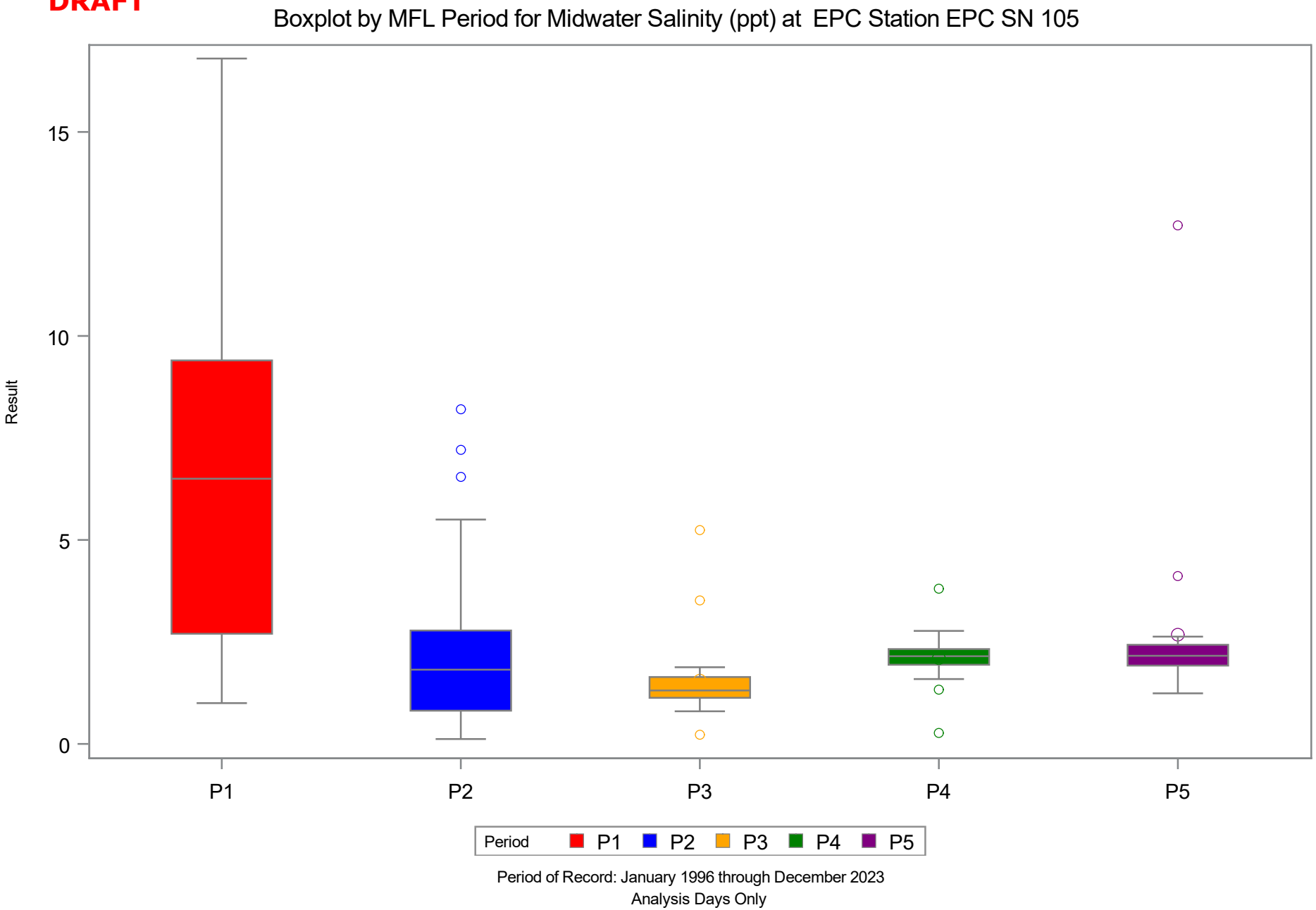
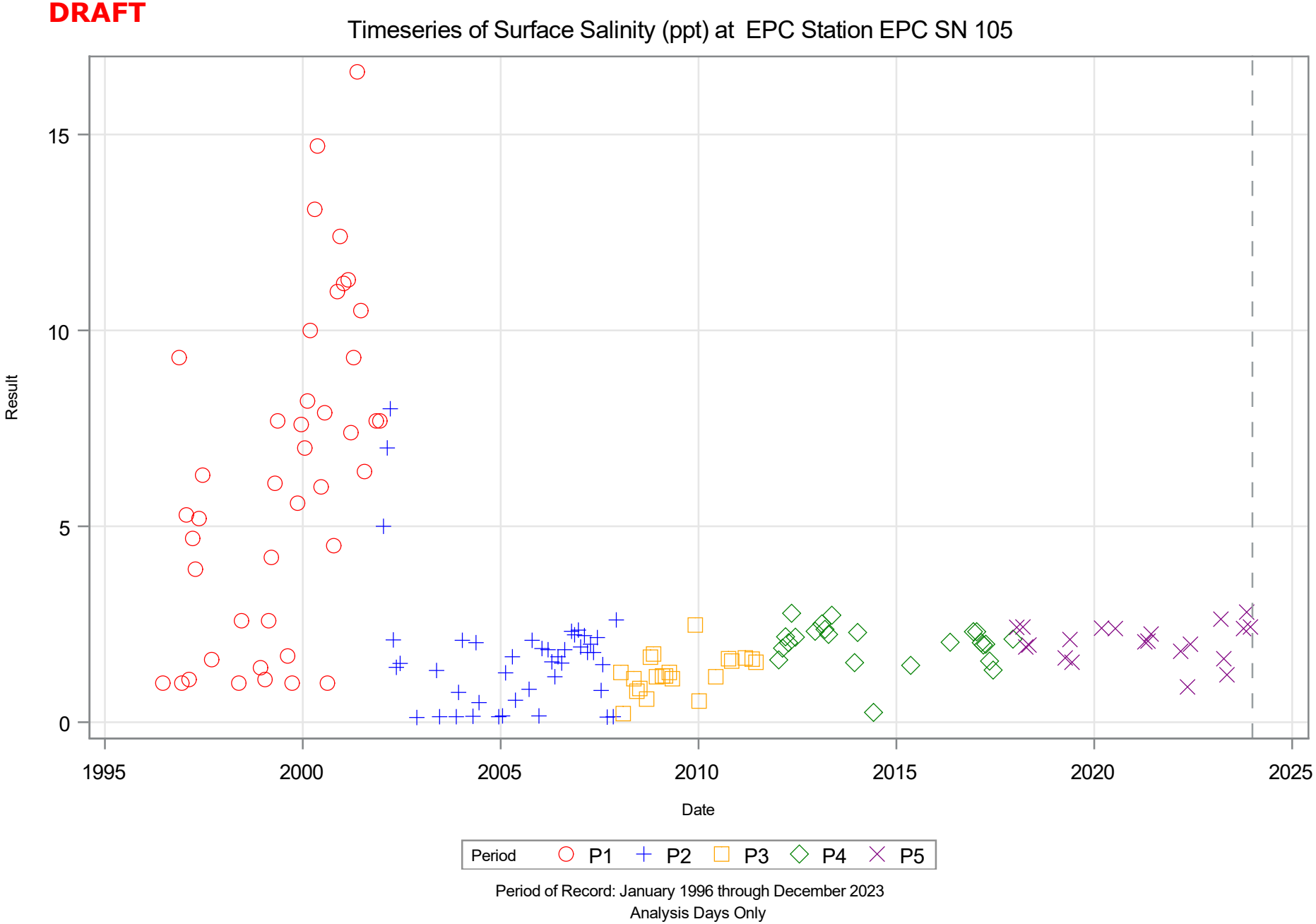
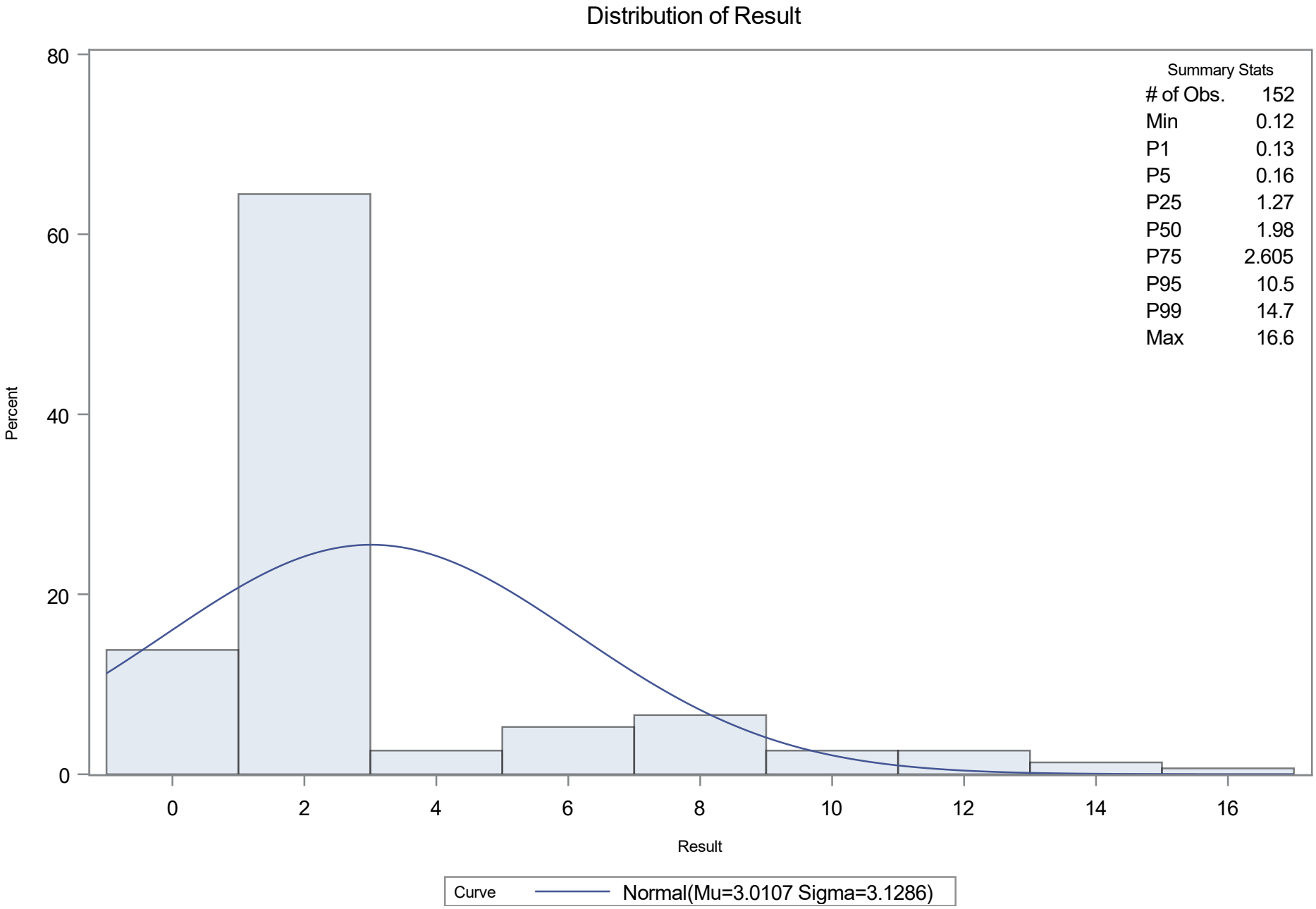

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 105
Result
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 105
Result
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.010658
Std Dev	Sigma	3.128619

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3115776	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.2343204	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.2031010	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13000	-4.26760
5.0	0.16000	-2.13546
10.0	0.76000	-0.99883
25.0	1.27000	0.90044
50.0	1.98000	3.01066
75.0	2.60500	5.12088
90.0	7.70000	7.02014
95.0	10.50000	8.15678
99.0	14.70000	10.28891

Period of Record: January 1996 through December 2023
Analysis Days Only

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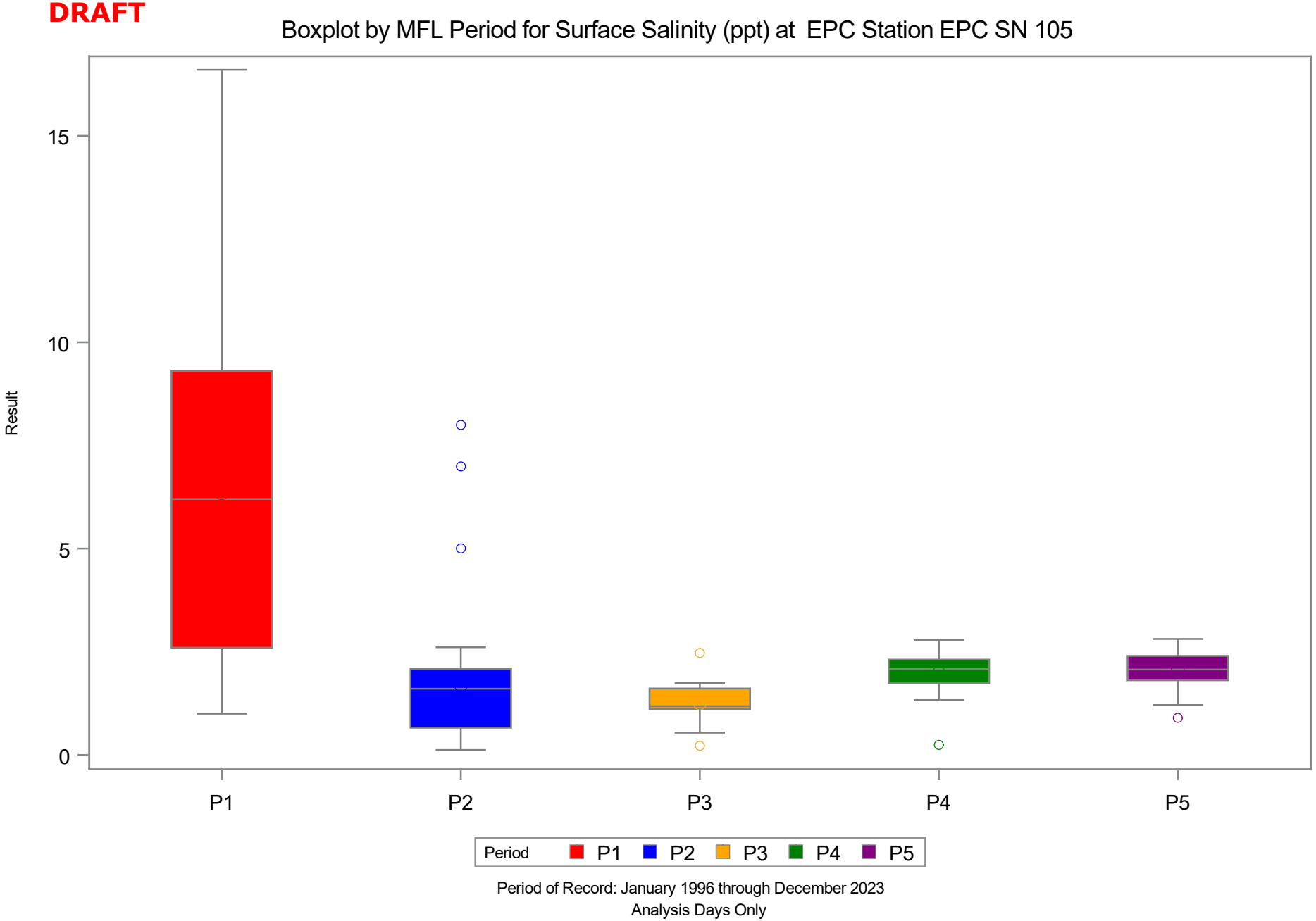
Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 105

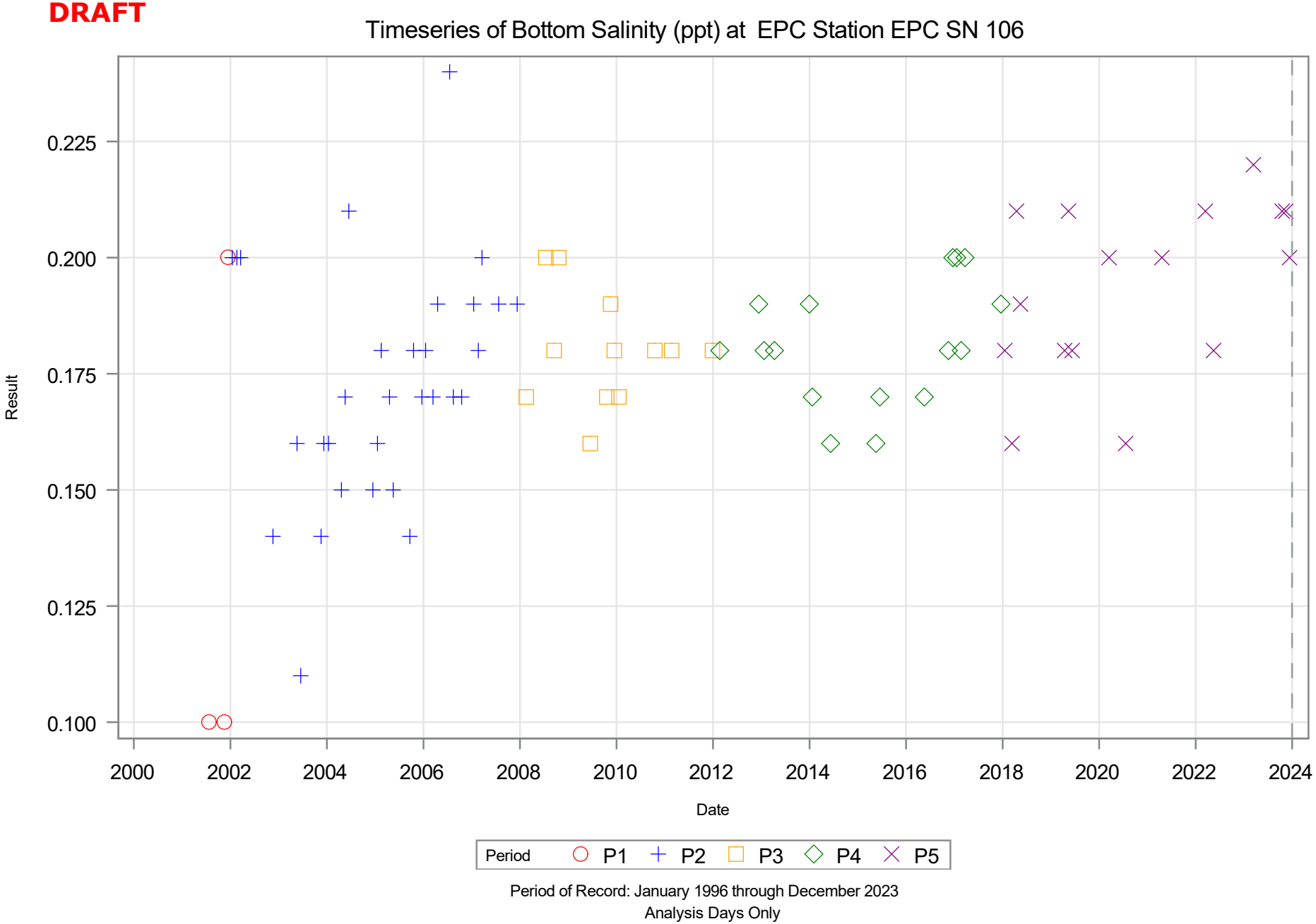
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	1.00	2.60	6.33	6.20	9.30	16.60
P2	44	0.12	0.66	1.69	1.61	2.09	8.00
P3	21	0.22	1.11	1.25	1.18	1.61	2.48
P4	24	0.25	1.74	2.00	2.08	2.31	2.78
P5	21	0.90	1.81	2.05	2.07	2.40	2.81

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 105
Result
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

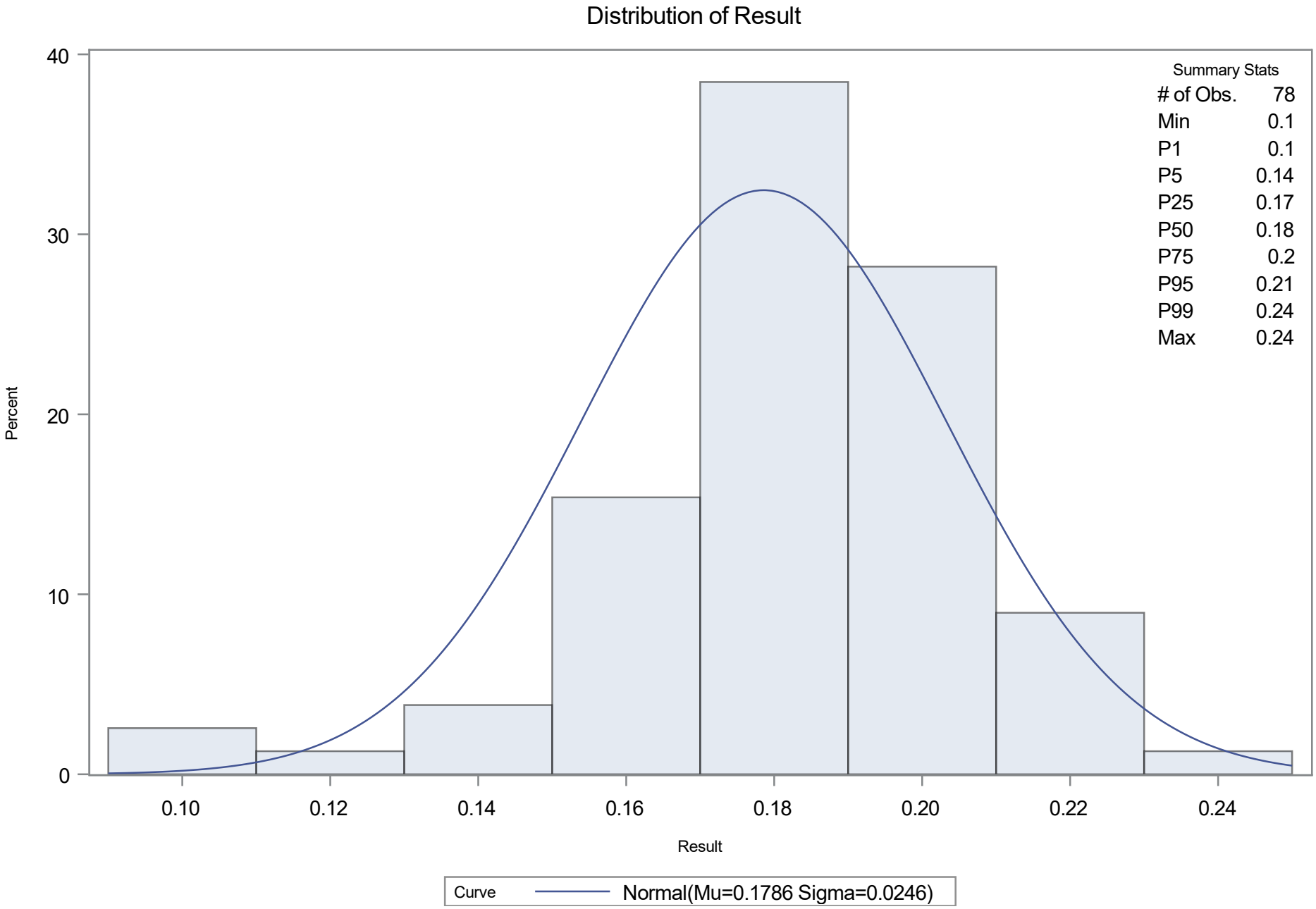
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.17859
Std Dev	Sigma	0.024586

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13825532	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24094373	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.52649403	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	0.12139
5.0	0.14000	0.13815
10.0	0.15000	0.14708
25.0	0.17000	0.16201
50.0	0.18000	0.17859
75.0	0.20000	0.19517
90.0	0.21000	0.21010
95.0	0.21000	0.21903
99.0	0.24000	0.23579

Period of Record: January 1996 through December 2023
Analysis Days Only

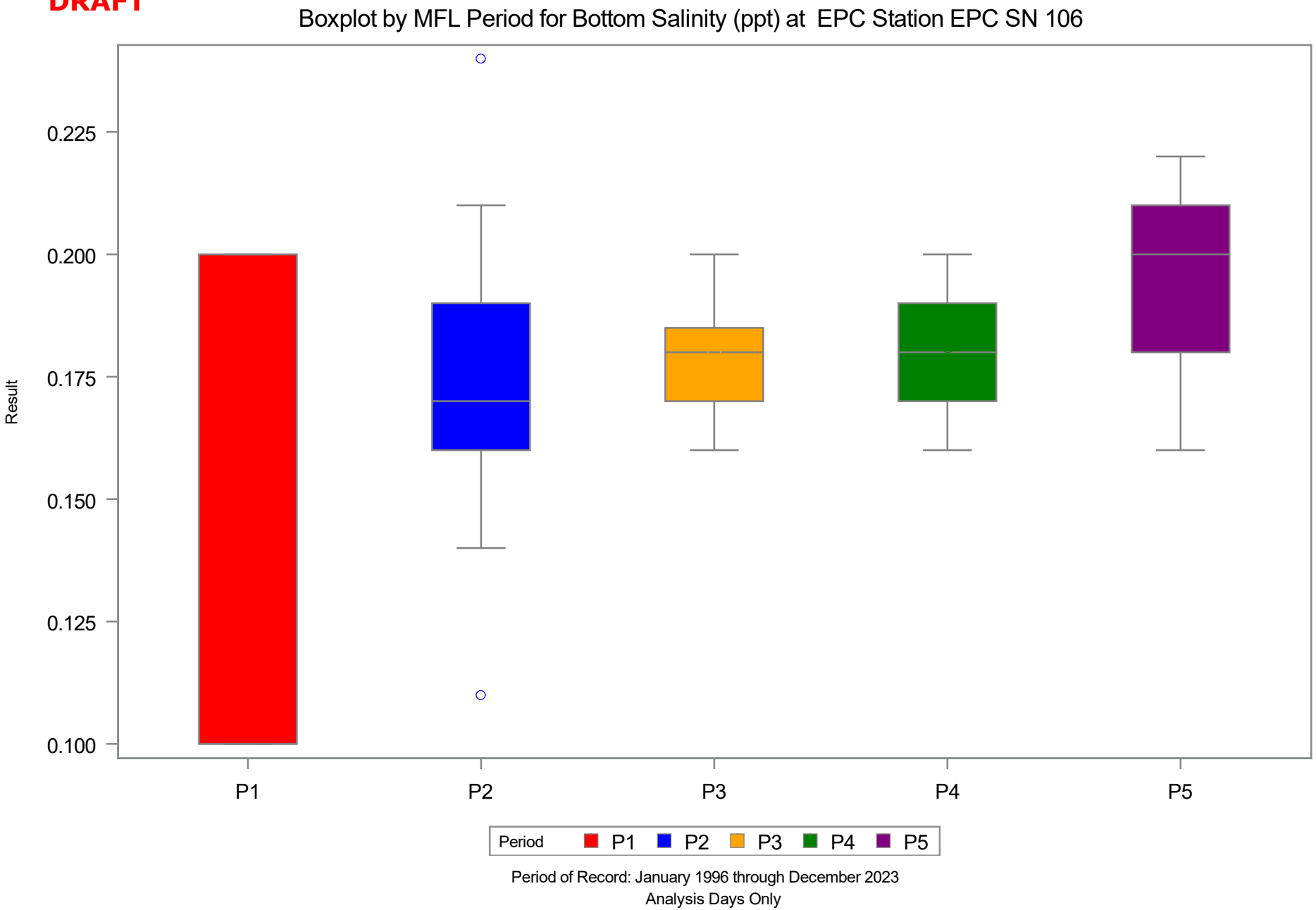
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 106

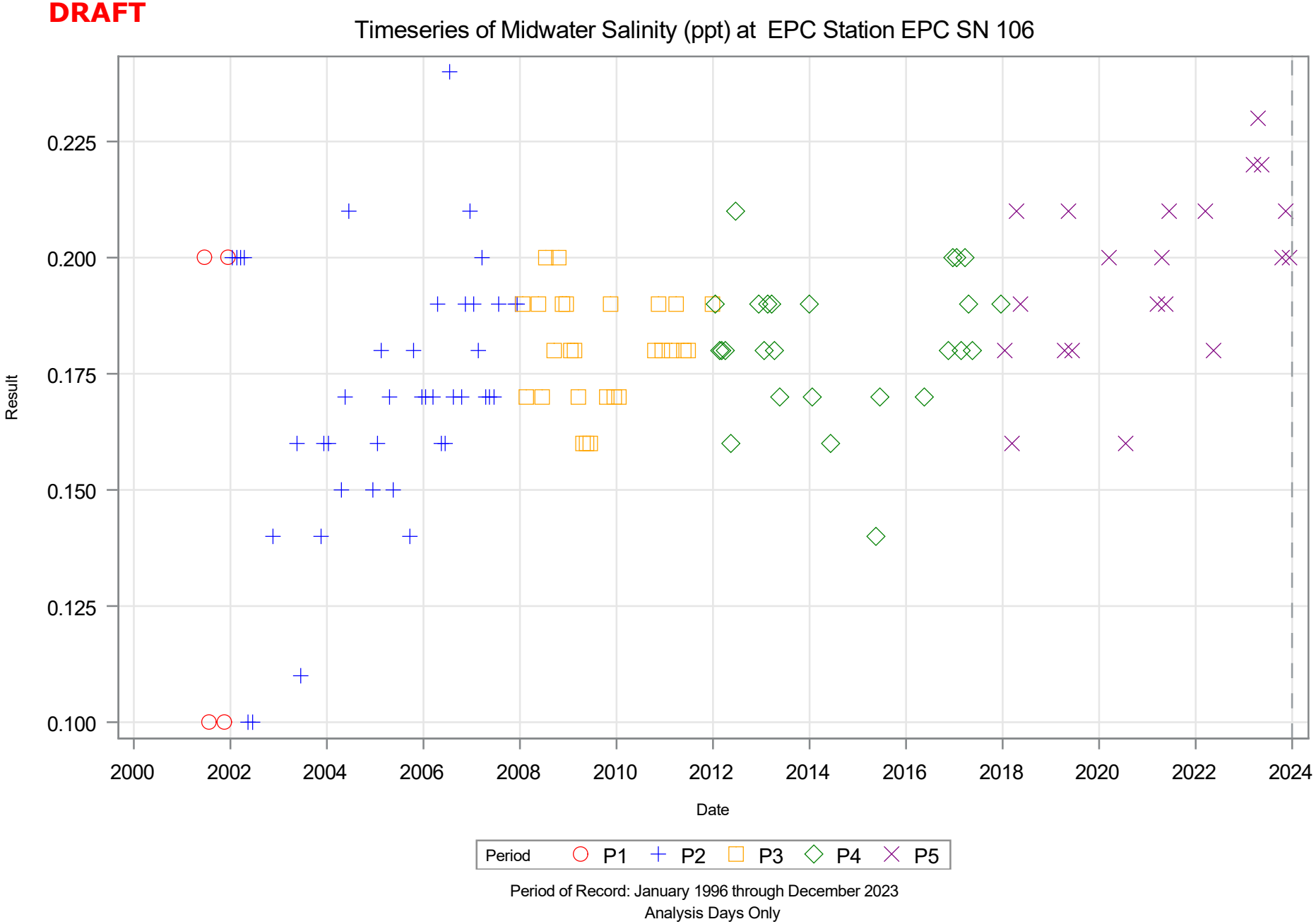
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	3	0.10	0.10	0.13	0.10	0.20	0.20
P2	31	0.11	0.16	0.17	0.17	0.19	0.24
P3	12	0.16	0.17	0.18	0.18	0.19	0.20
P4	16	0.16	0.17	0.18	0.18	0.19	0.20
P5	16	0.16	0.18	0.19	0.20	0.21	0.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

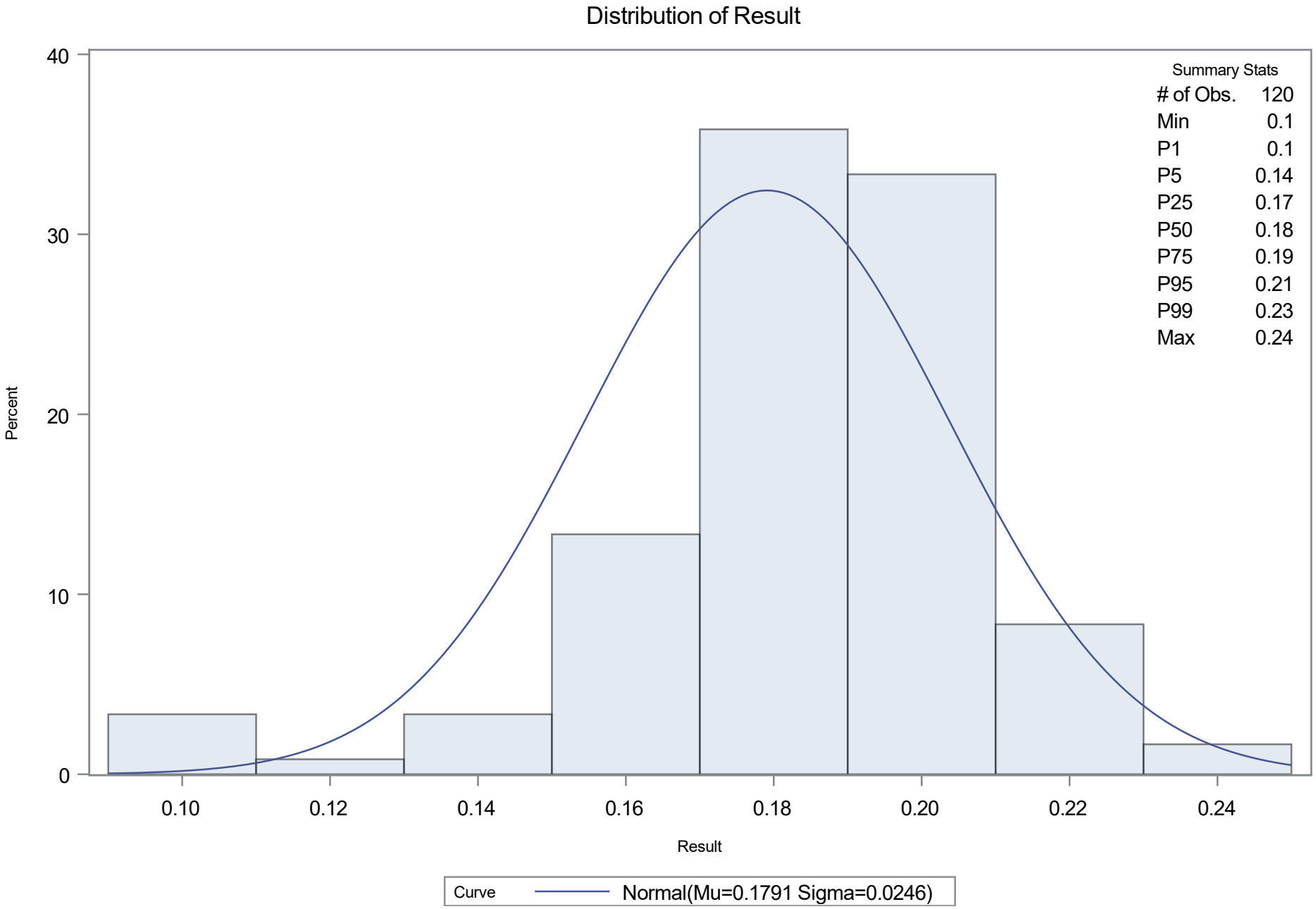

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 106
Result
0.225
0.200
0.175
0.150
0.125
0.100
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 106
Result
0.225
0.200
0.175
0.150
0.125
0.100
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.179083
Std Dev	Sigma	0.024597

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14762643	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.45231047	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.87036447	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	0.12186
5.0	0.14000	0.13862
10.0	0.15500	0.14756
25.0	0.17000	0.16249
50.0	0.18000	0.17908
75.0	0.19000	0.19567
90.0	0.20500	0.21061
95.0	0.21000	0.21954
99.0	0.23000	0.23631

Period of Record: January 1996 through December 2023
Analysis Days Only

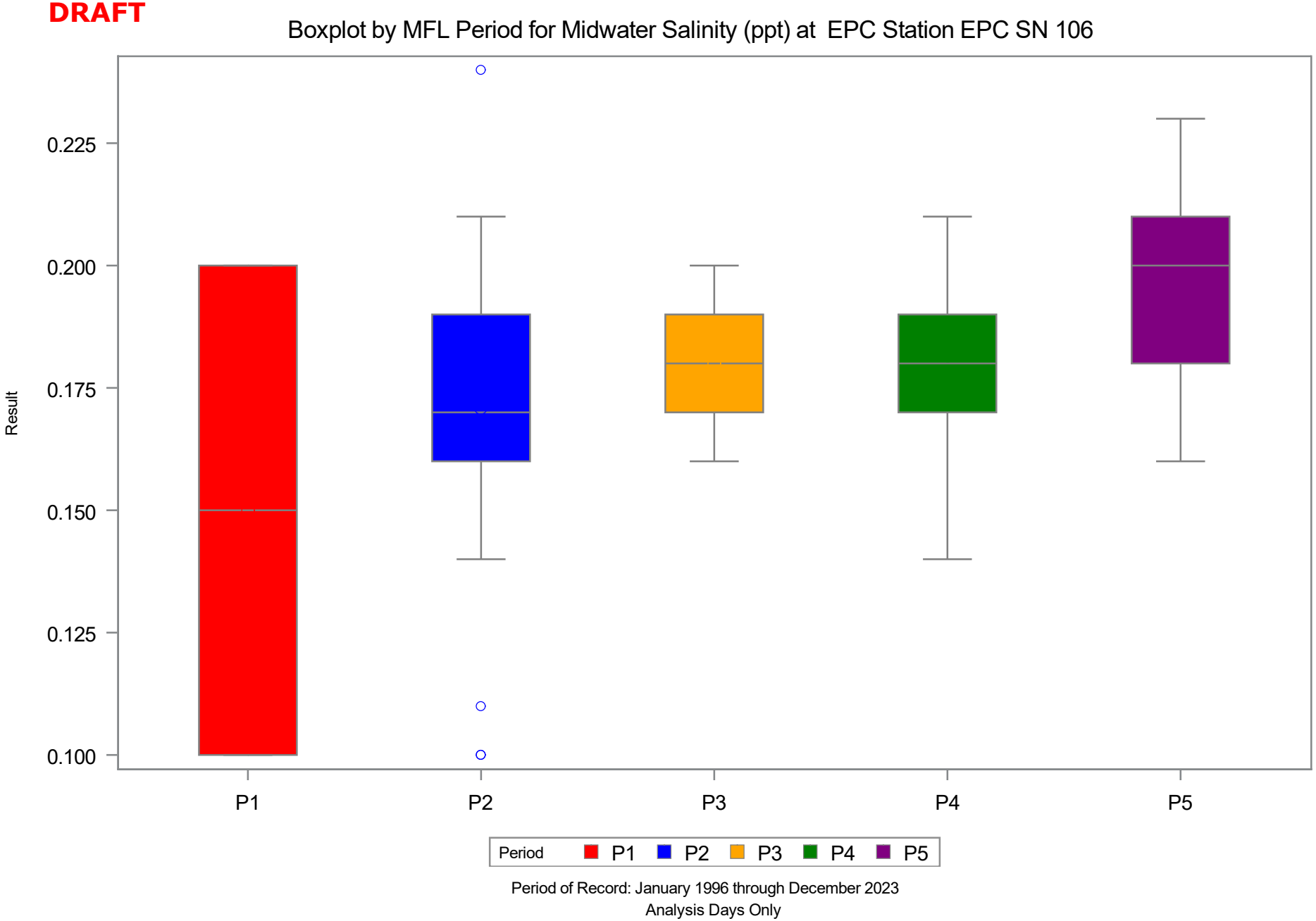
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 106

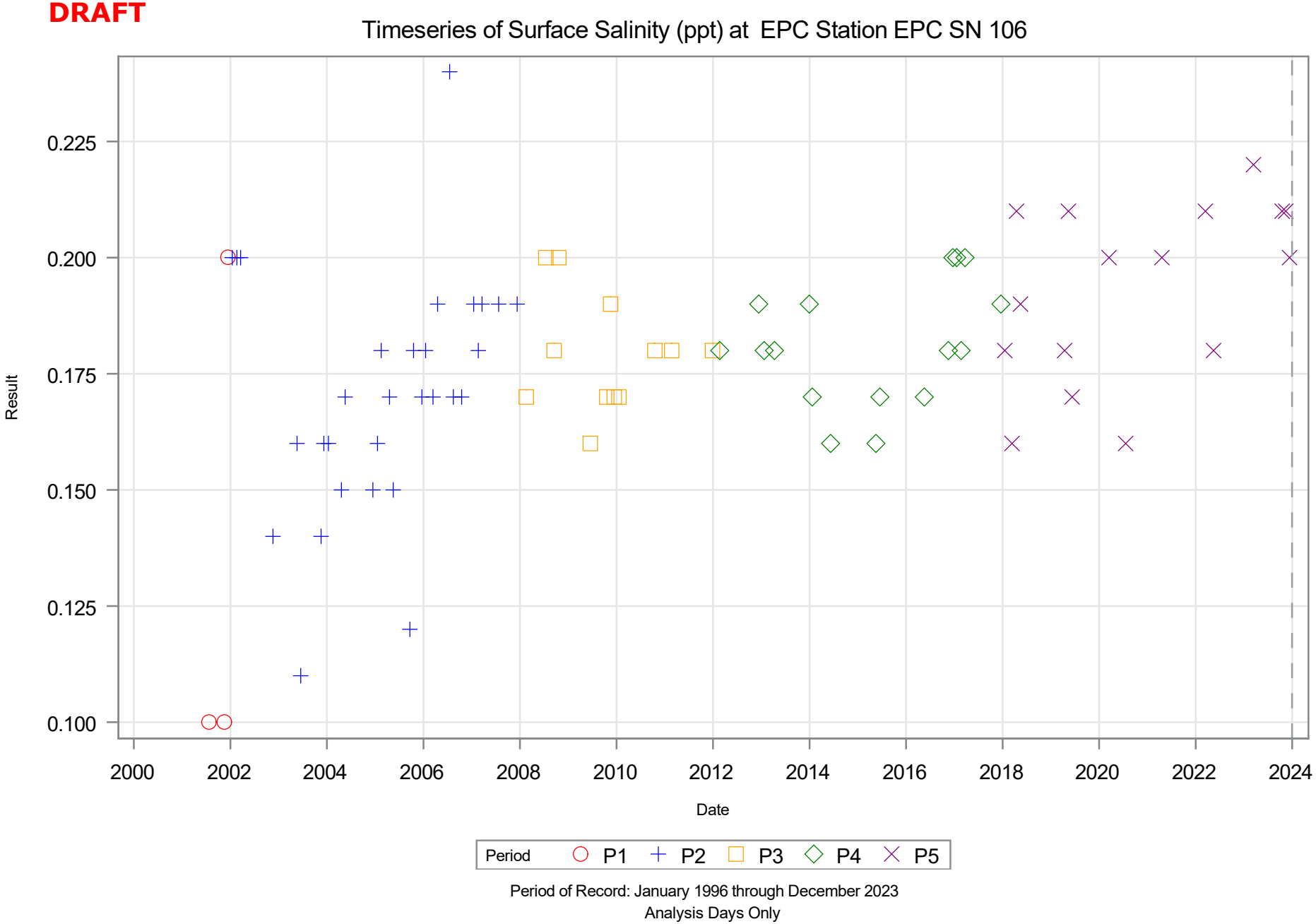
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	4	0.10	0.10	0.15	0.15	0.20	0.20
P2	42	0.10	0.16	0.17	0.17	0.19	0.24
P3	27	0.16	0.17	0.18	0.18	0.19	0.20
P4	26	0.14	0.17	0.18	0.18	0.19	0.21
P5	21	0.16	0.18	0.20	0.20	0.21	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 106
Result
0.225
0.200
0.175
0.150
0.125
0.100
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

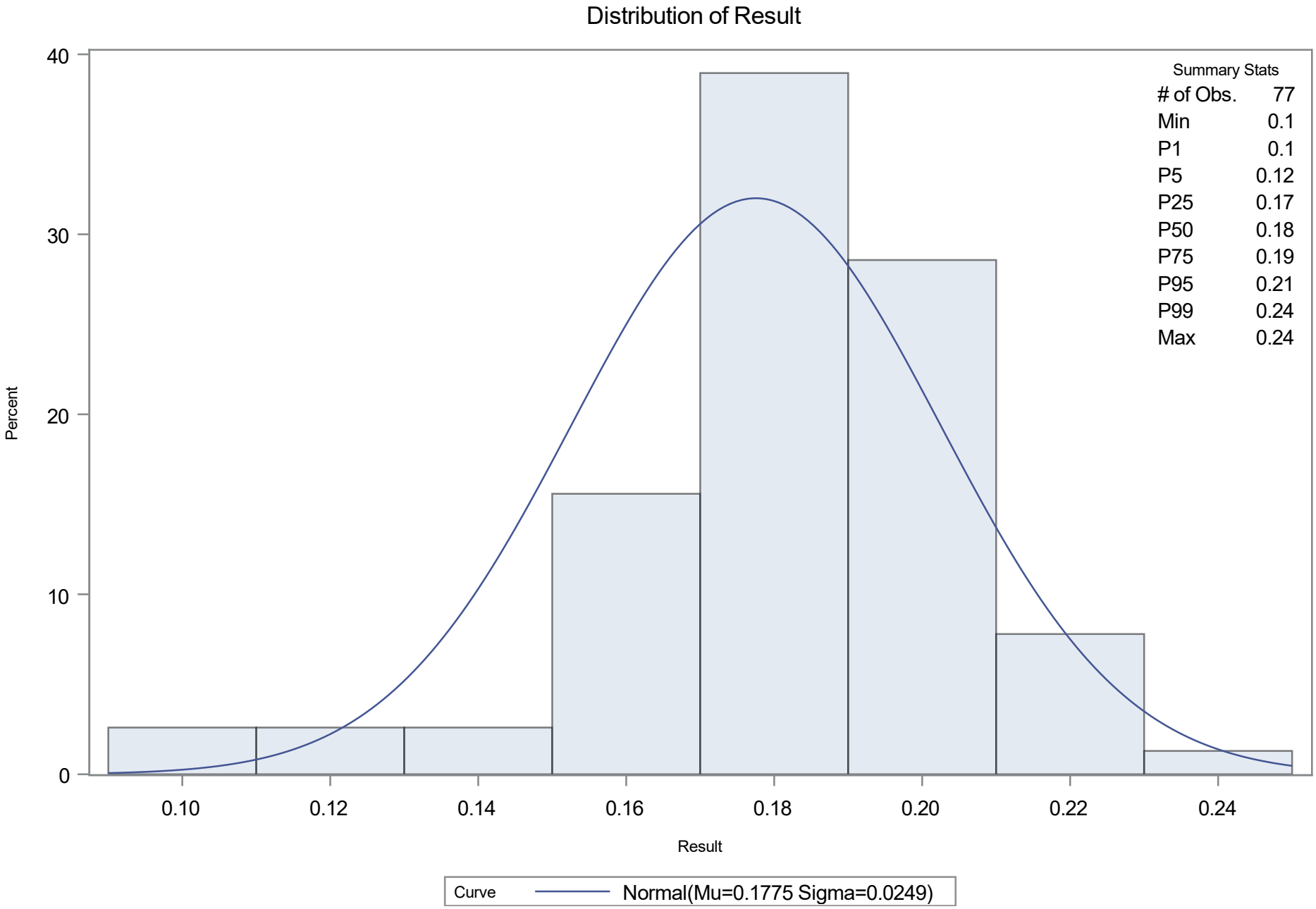
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.177532
Std Dev	Sigma	0.024929

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14750074	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25420231	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.63666358	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	0.11954
5.0	0.12000	0.13653
10.0	0.15000	0.14558
25.0	0.17000	0.16072
50.0	0.18000	0.17753
75.0	0.19000	0.19435
90.0	0.20000	0.20948
95.0	0.21000	0.21854
99.0	0.24000	0.23553

Period of Record: January 1996 through December 2023
Analysis Days Only

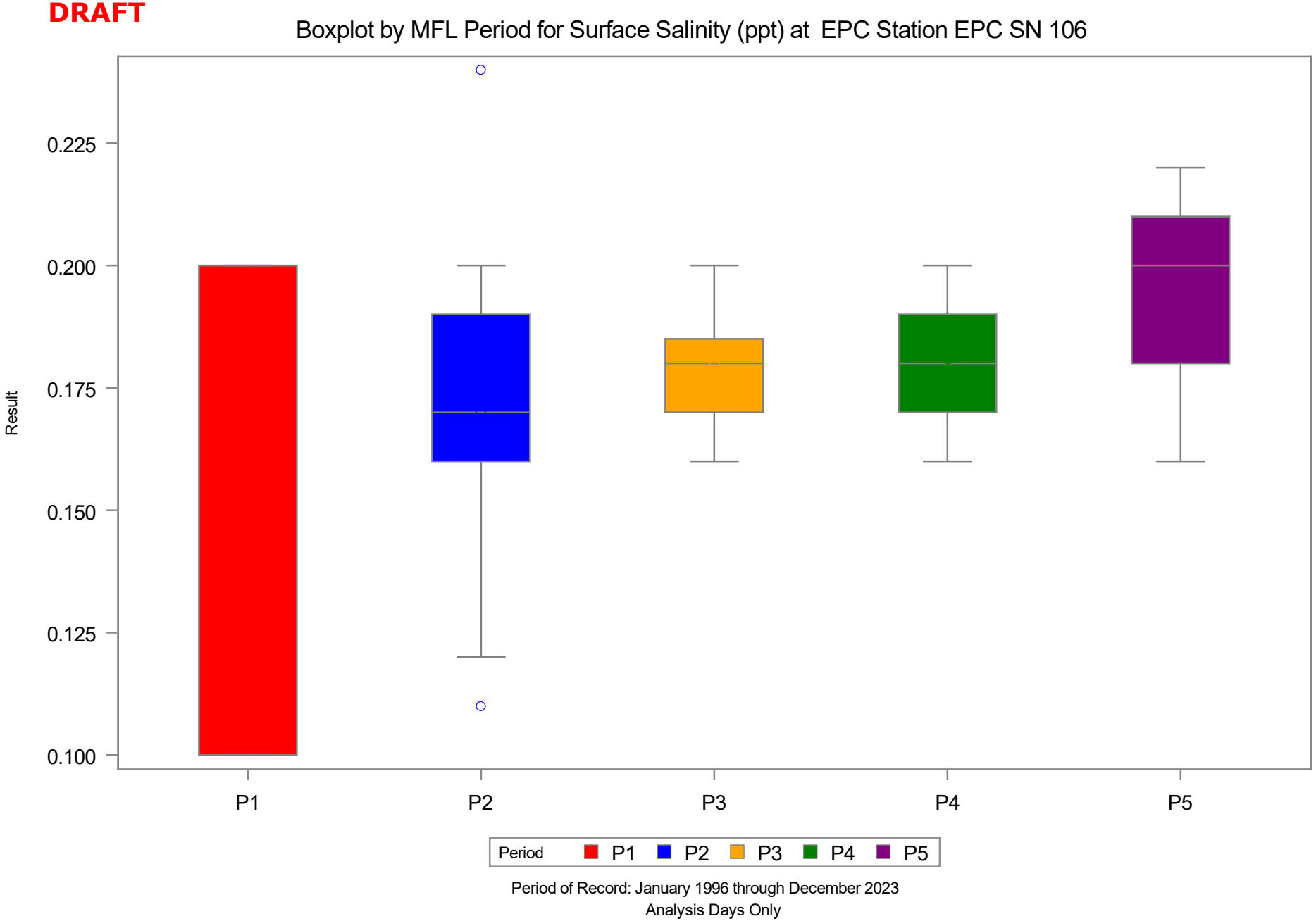
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 106

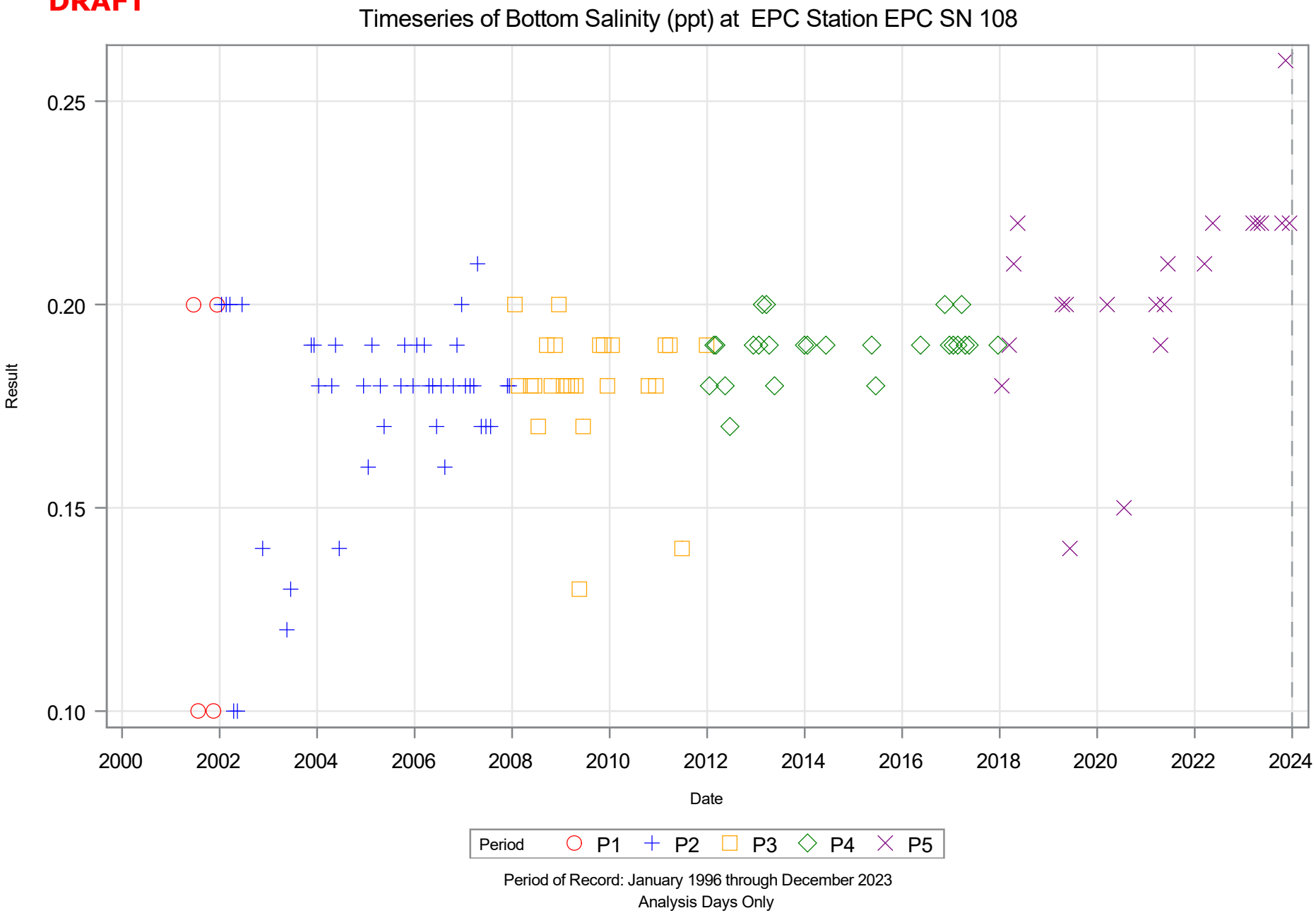
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	3	0.10	0.10	0.13	0.10	0.20	0.20
P2	30	0.11	0.16	0.17	0.17	0.19	0.24
P3	12	0.16	0.17	0.18	0.18	0.19	0.20
P4	16	0.16	0.17	0.18	0.18	0.19	0.20
P5	16	0.16	0.18	0.19	0.20	0.21	0.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

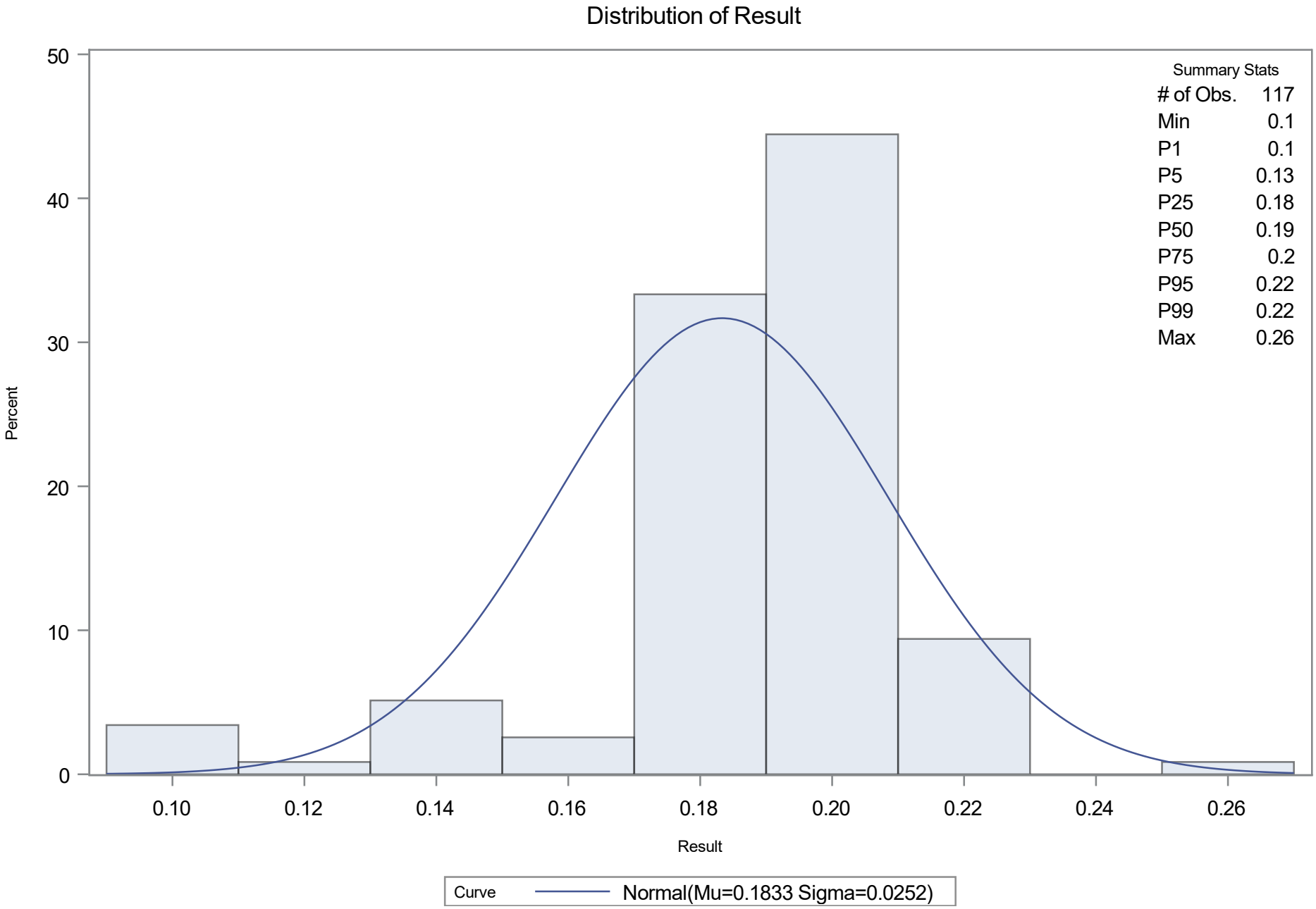

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 106
Result
0.225
0.200
0.175
0.150
0.125
0.100
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 108
Result
0.25
0.20
0.15
0.10
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.183333
Std Dev	Sigma	0.025189

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25932618	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.27004955	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.75058427	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	0.12474
5.0	0.13000	0.14190
10.0	0.15000	0.15105
25.0	0.18000	0.16634
50.0	0.19000	0.18333
75.0	0.20000	0.20032
90.0	0.21000	0.21561
95.0	0.22000	0.22477
99.0	0.22000	0.24193

Period of Record: January 1996 through December 2023
Analysis Days Only

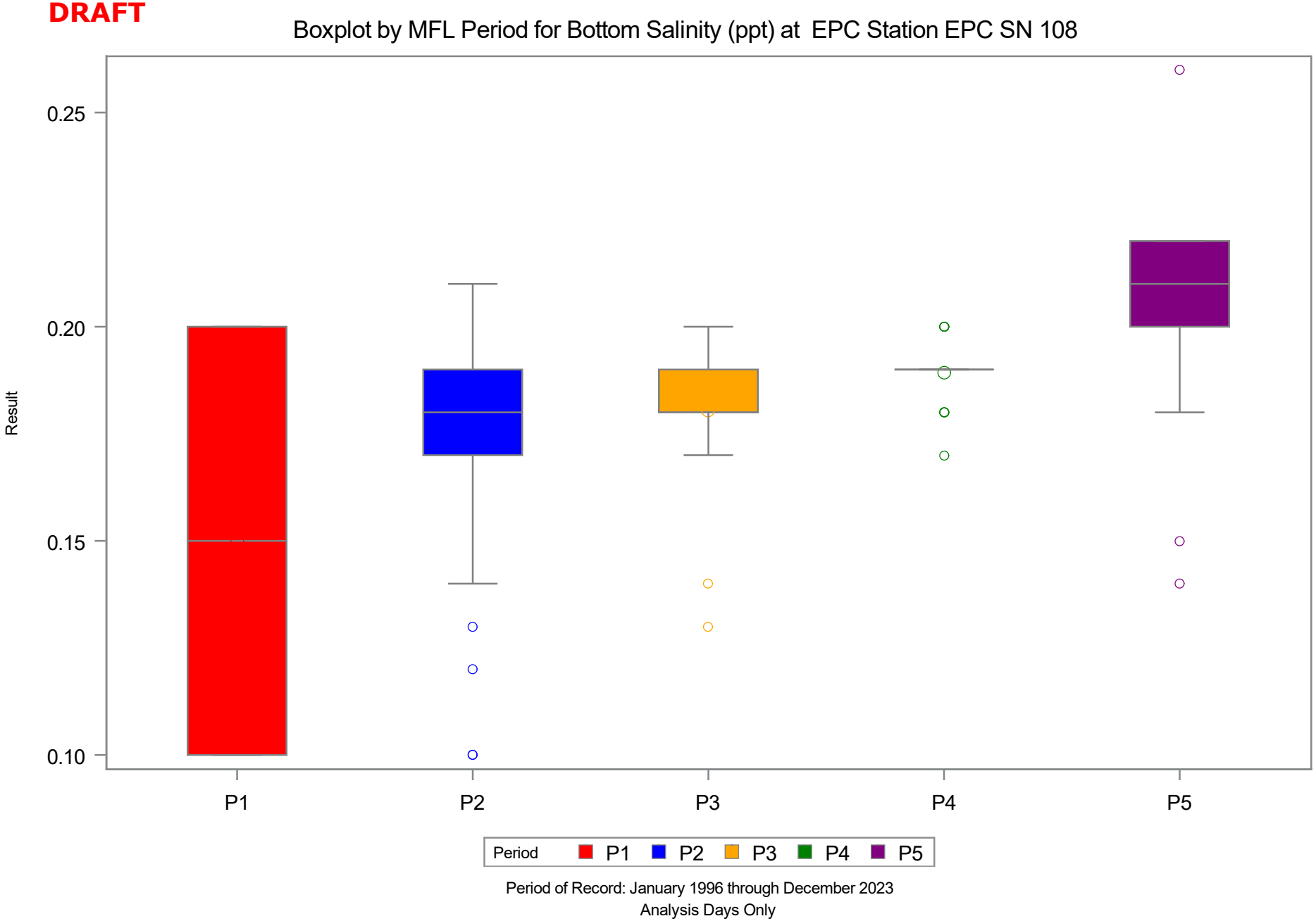
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 108

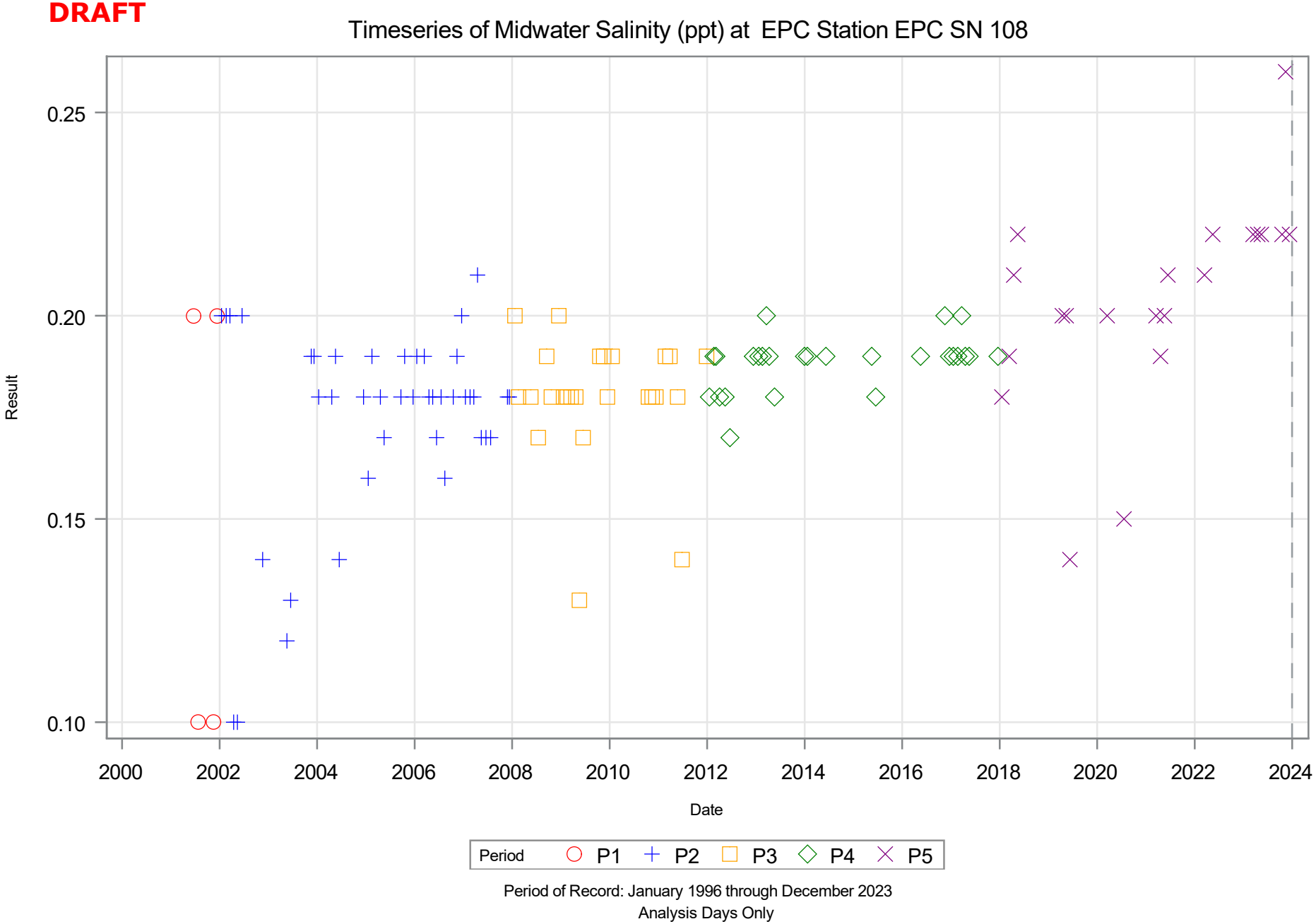
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	4	0.10	0.10	0.15	0.15	0.20	0.20
P2	42	0.10	0.17	0.17	0.18	0.19	0.21
P3	25	0.13	0.18	0.18	0.18	0.19	0.20
P4	25	0.17	0.19	0.19	0.19	0.19	0.20
P5	21	0.14	0.20	0.20	0.21	0.22	0.26

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

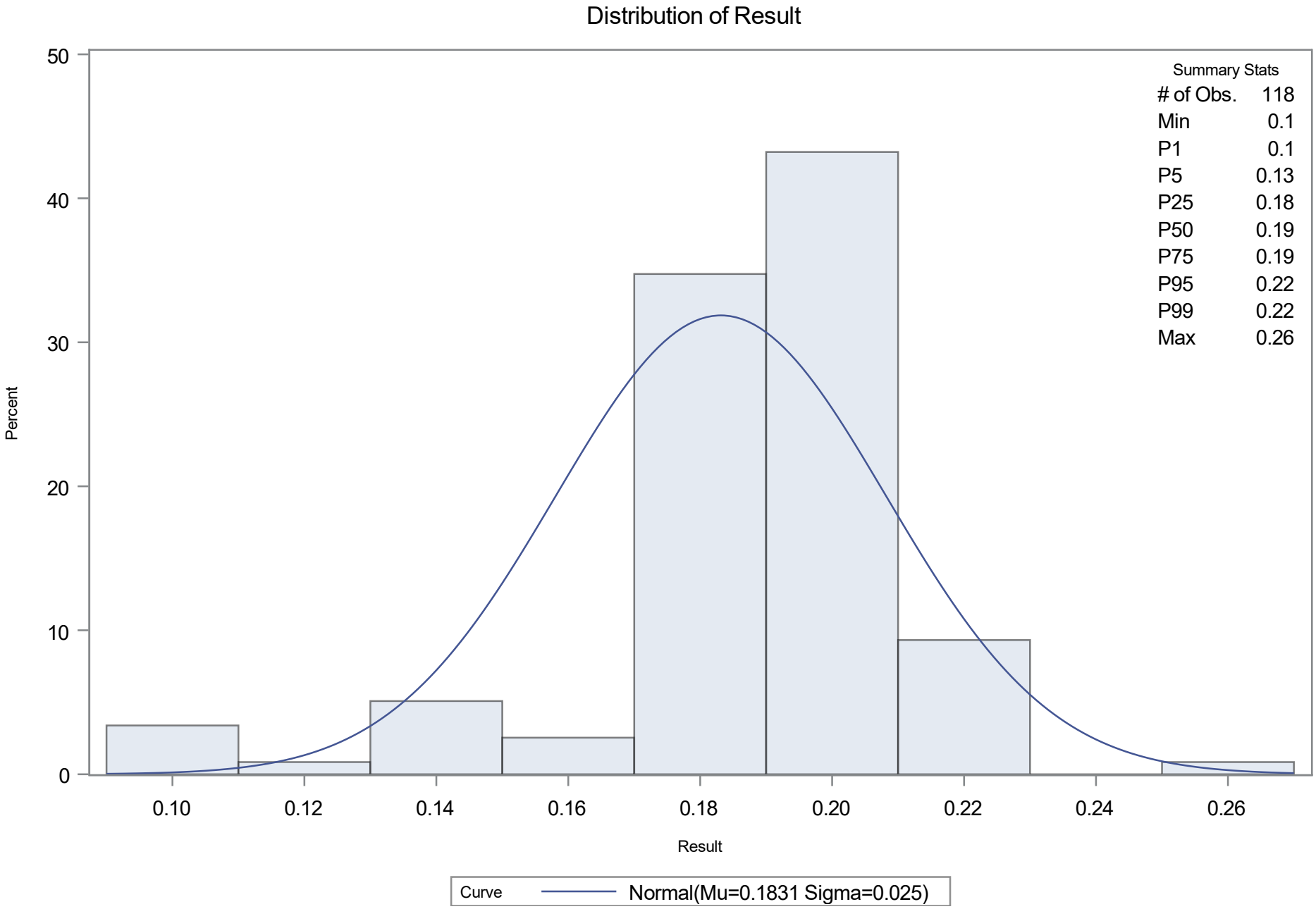

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 108
Result
0.25
0.20
0.15
0.10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 108
Result
0.25
0.20
0.15
0.10
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.183136
Std Dev	Sigma	0.025037

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26372614	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.30461019	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.89821984	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	0.12489
5.0	0.13000	0.14195
10.0	0.15000	0.15105
25.0	0.18000	0.16625
50.0	0.19000	0.18314
75.0	0.19000	0.20002
90.0	0.21000	0.21522
95.0	0.22000	0.22432
99.0	0.22000	0.24138

Period of Record: January 1996 through December 2023
Analysis Days Only

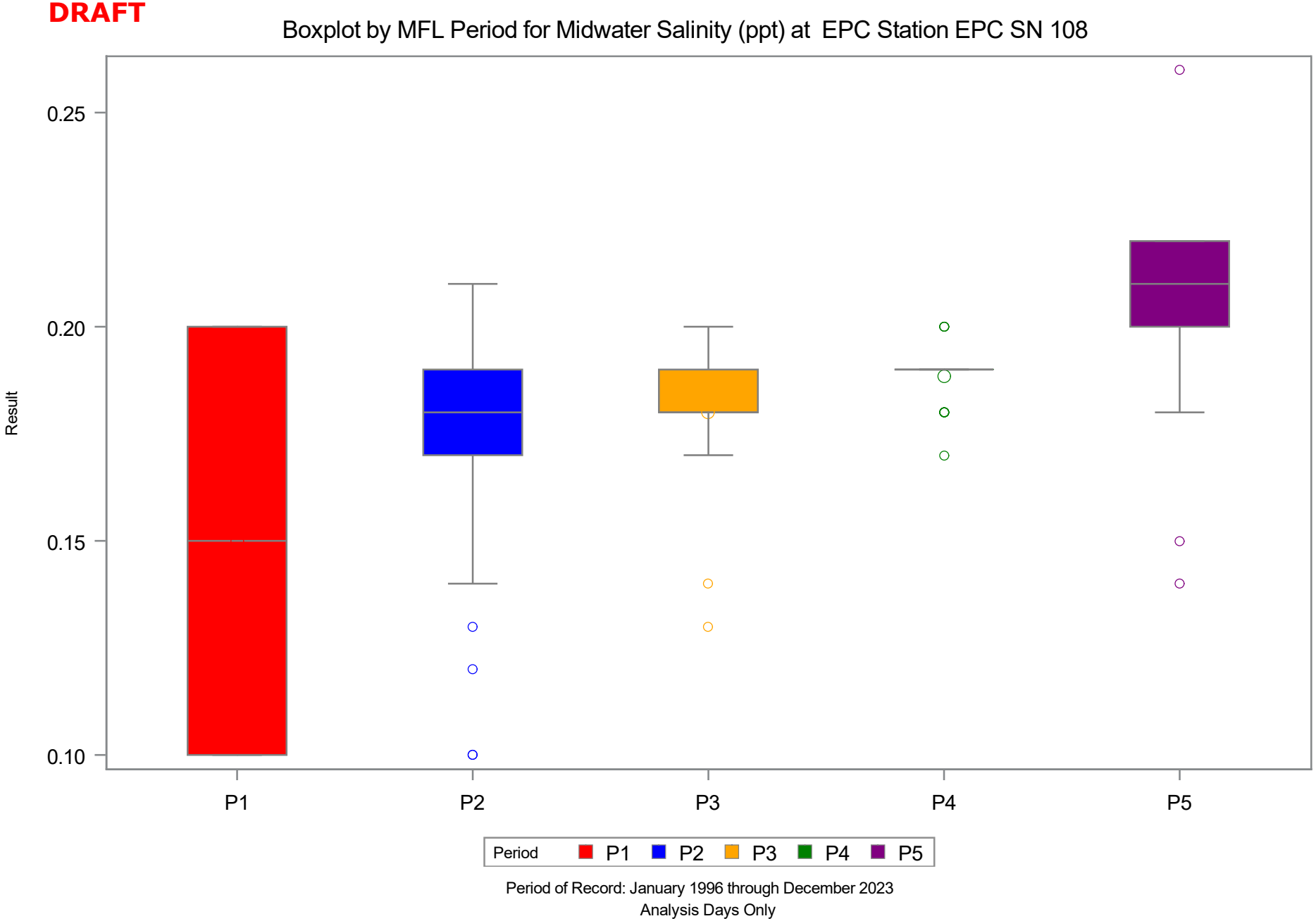
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 108

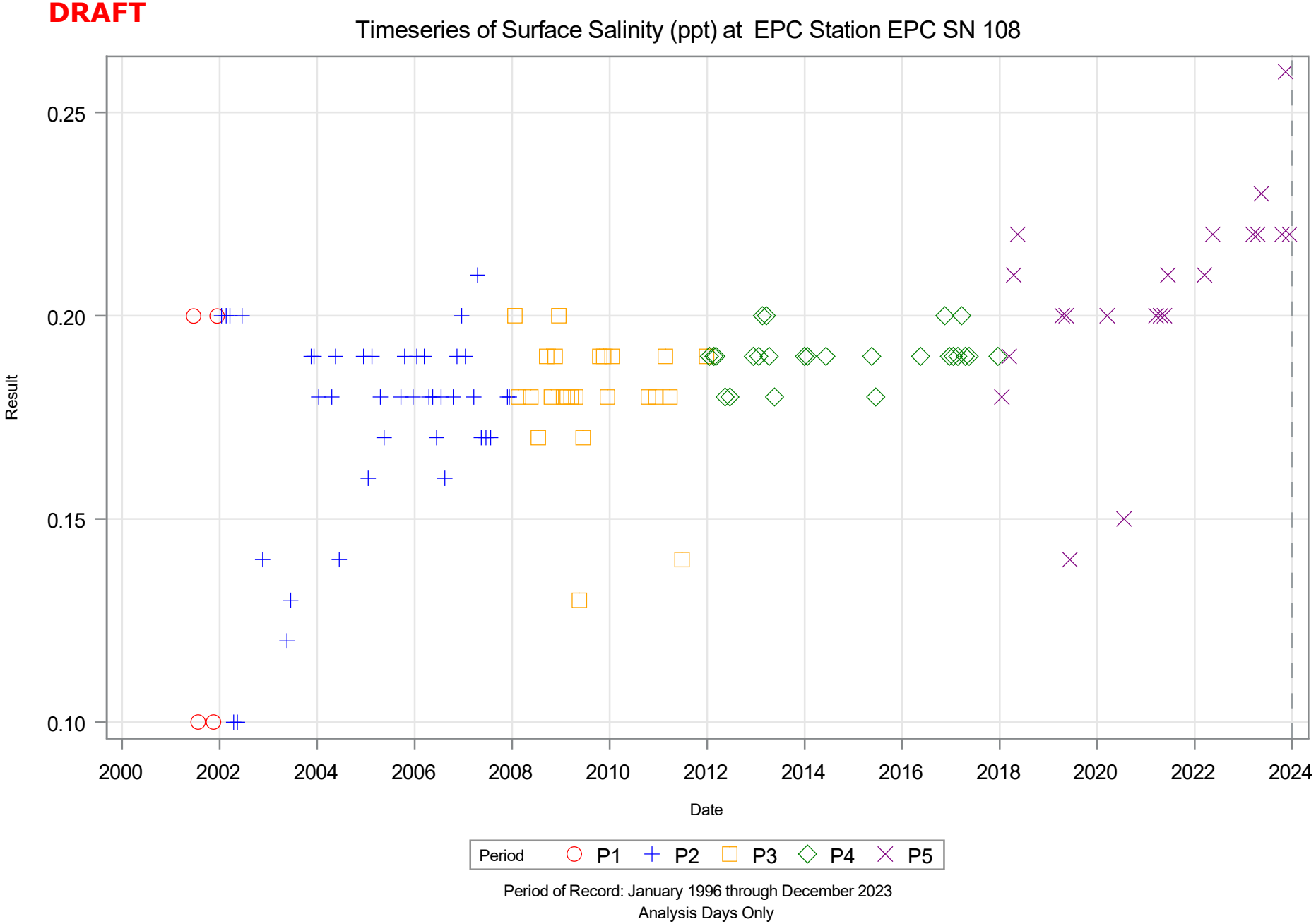
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	4	0.10	0.10	0.15	0.15	0.20	0.20
P2	42	0.10	0.17	0.17	0.18	0.19	0.21
P3	25	0.13	0.18	0.18	0.18	0.19	0.20
P4	26	0.17	0.19	0.19	0.19	0.19	0.20
P5	21	0.14	0.20	0.20	0.21	0.22	0.26

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

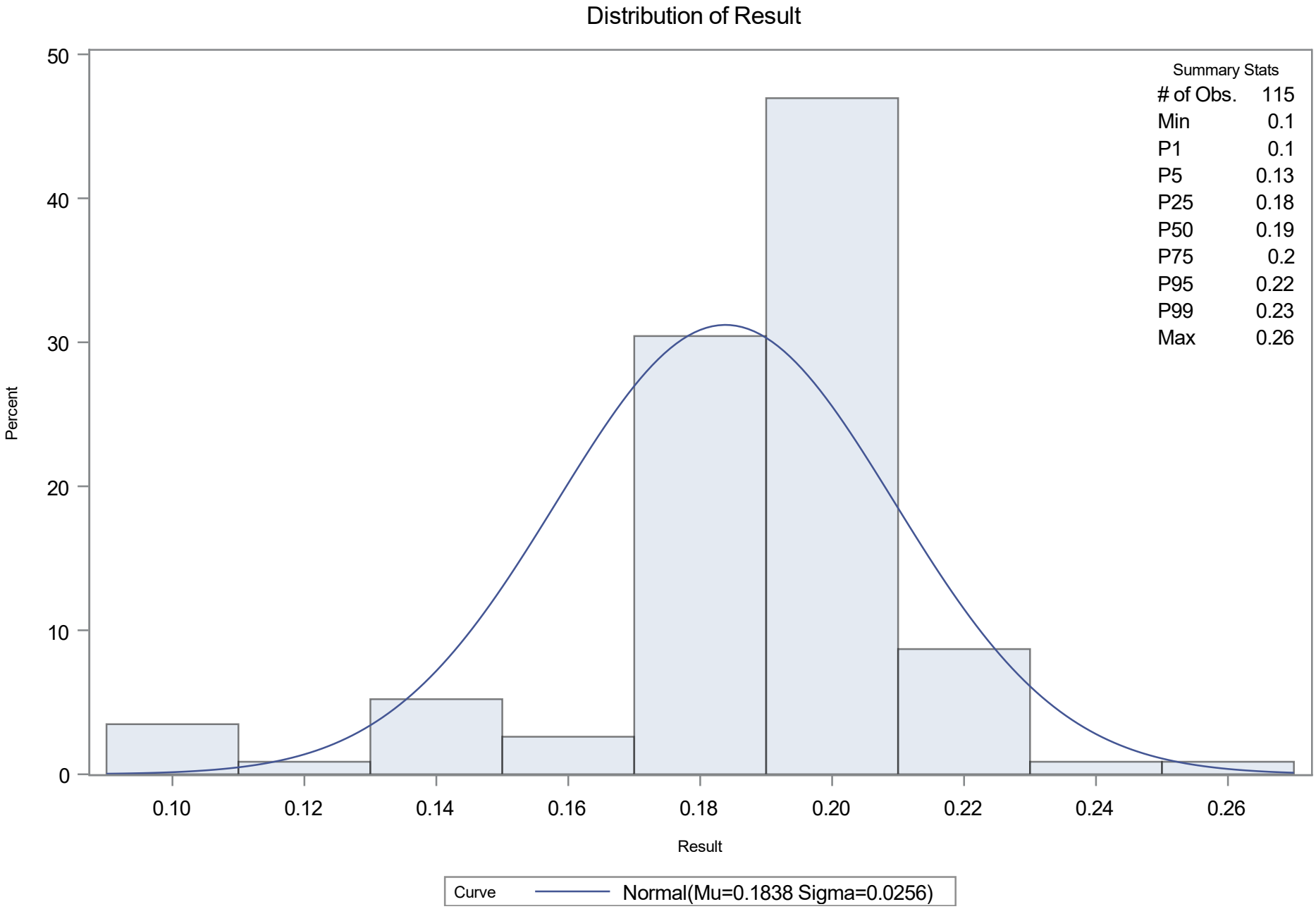

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 108
Result
0.25
0.20
0.15
0.10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 108
Result
0.25
0.20
0.15
0.10
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.183826
Std Dev	Sigma	0.025567

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25791111	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.28153909	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.75886594	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	0.12435
5.0	0.13000	0.14177
10.0	0.15000	0.15106
25.0	0.18000	0.16658
50.0	0.19000	0.18383
75.0	0.20000	0.20107
90.0	0.21000	0.21659
95.0	0.22000	0.22588
99.0	0.23000	0.24330

Period of Record: January 1996 through December 2023
Analysis Days Only

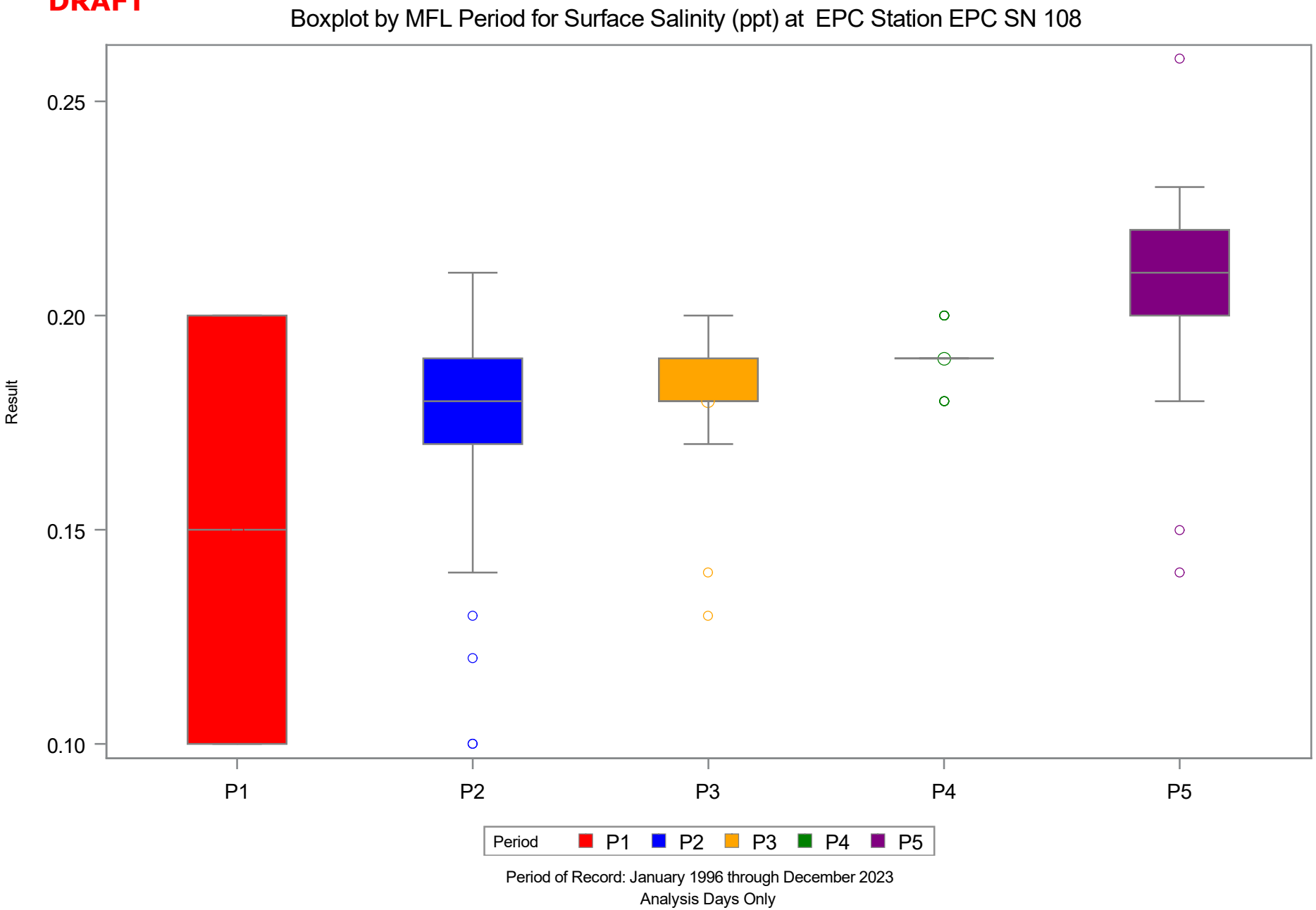
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 108

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	4	0.10	0.10	0.15	0.15	0.20	0.20
P2	41	0.10	0.17	0.17	0.18	0.19	0.21
P3	24	0.13	0.18	0.18	0.18	0.19	0.20
P4	25	0.18	0.19	0.19	0.19	0.19	0.20
P5	21	0.14	0.20	0.20	0.21	0.22	0.26

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 108
Result
0.25
0.20
0.15
0.10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

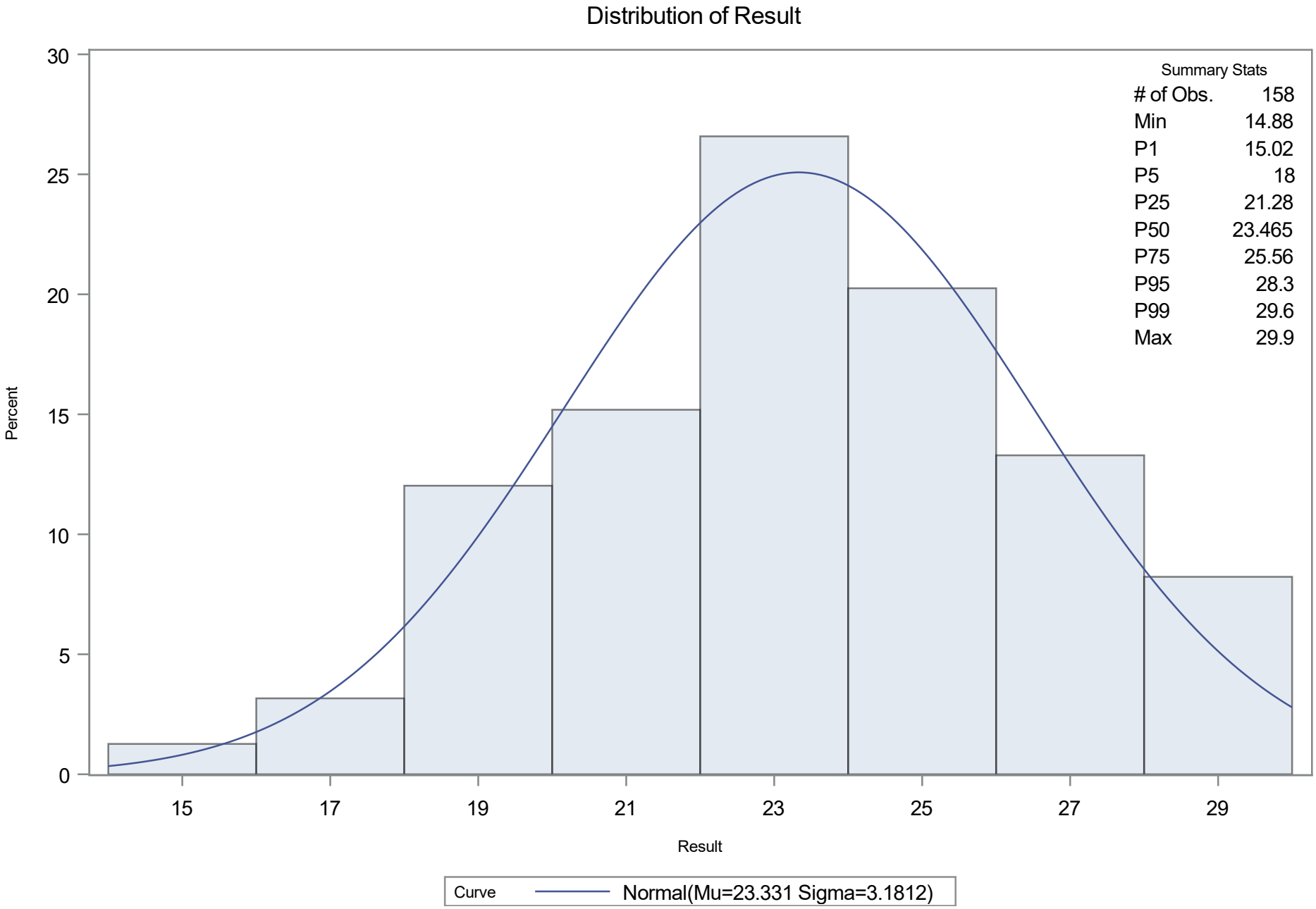
DRAFT

Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 137

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.33146
Std Dev	Sigma	3.181163

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03290793	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03007778	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25855360	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0200	15.9310
5.0	18.0000	18.0989
10.0	18.8000	19.2546
25.0	21.2800	21.1858
50.0	23.4650	23.3315
75.0	25.5600	25.4771
90.0	27.8000	27.4083
95.0	28.3000	28.5640
99.0	29.6000	30.7319

Period of Record: January 1996 through December 2023
Analysis Days Only

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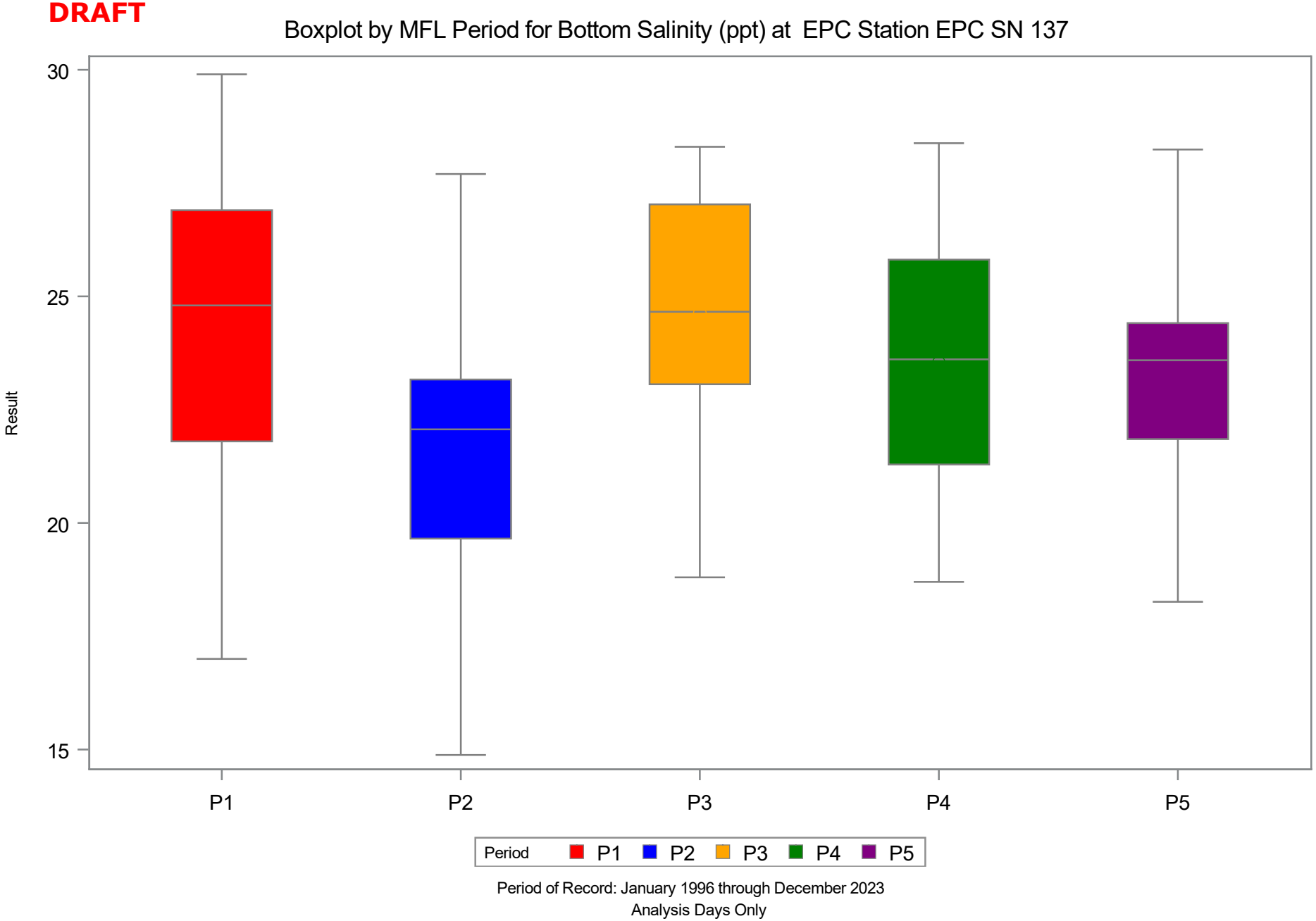
Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 137

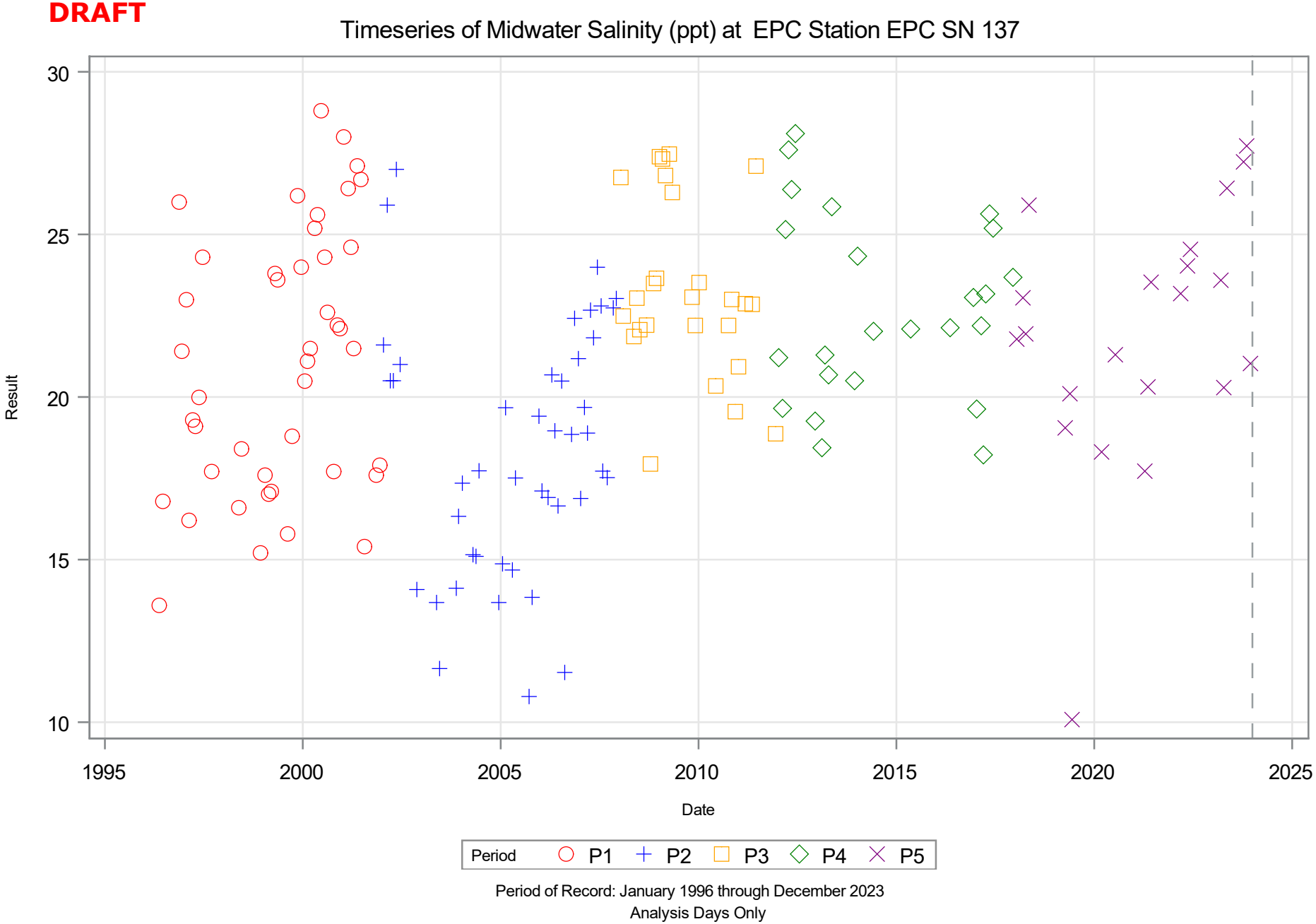
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	17.00	21.80	24.34	24.80	26.90	29.90
P2	44	14.88	19.66	21.48	22.07	23.17	27.70
P3	26	18.80	23.06	24.64	24.66	27.03	28.30
P4	24	18.70	21.29	23.53	23.61	25.81	28.38
P5	21	18.26	21.85	23.31	23.59	24.41	28.24

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

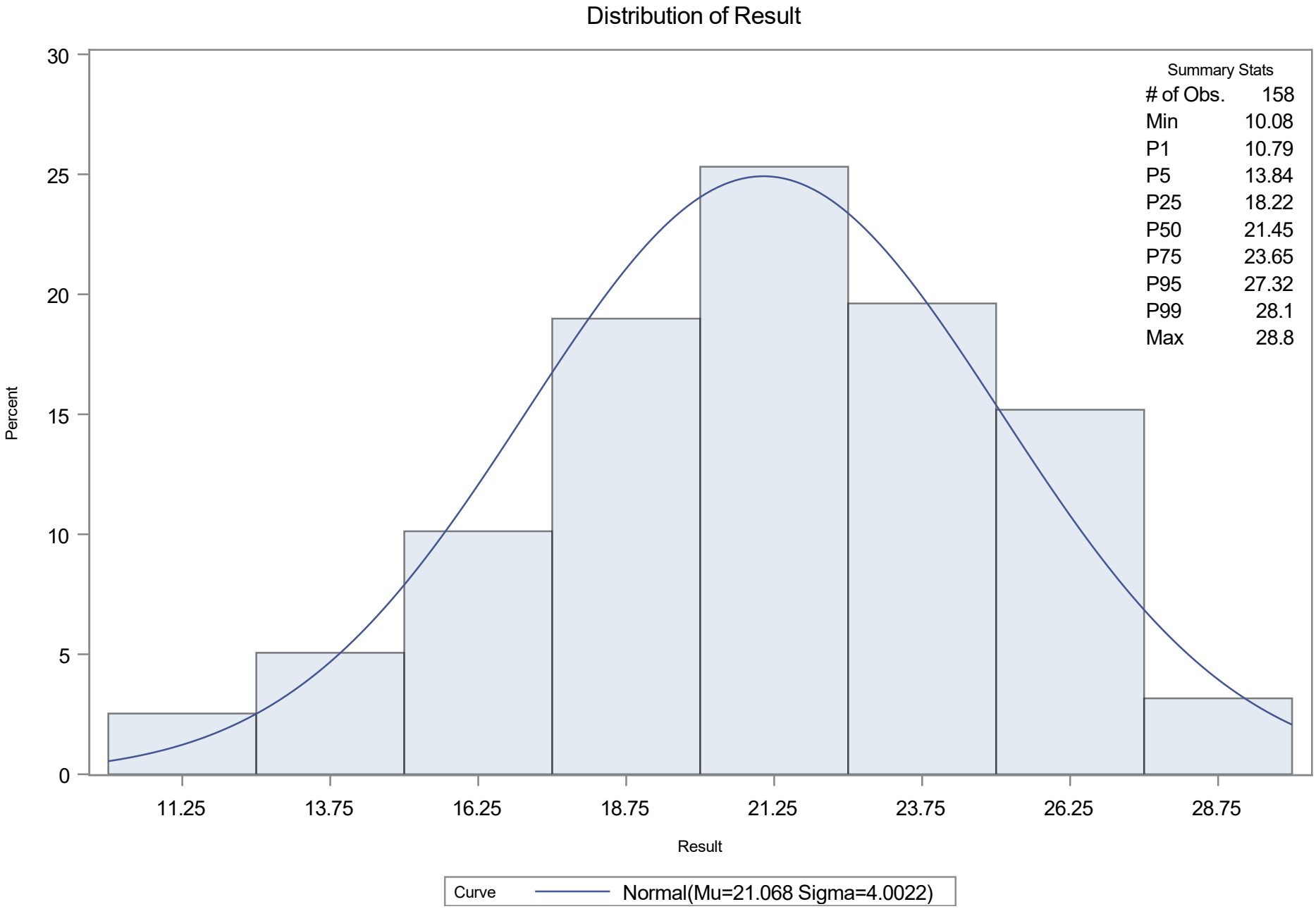

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 137
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 137
Result
30
25
20
15
10
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.06829
Std Dev	Sigma	4.002211

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05158399	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07327151	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.52891306	**Pr > A-Sq**	0.182

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.7900	11.7578
5.0	13.8400	14.4852
10.0	15.4000	15.9393
25.0	18.2200	18.3688
50.0	21.4500	21.0683
75.0	23.6500	23.7677
90.0	26.4200	26.1973
95.0	27.3200	27.6513
99.0	28.1000	30.3788

Period of Record: January 1996 through December 2023
Analysis Days Only

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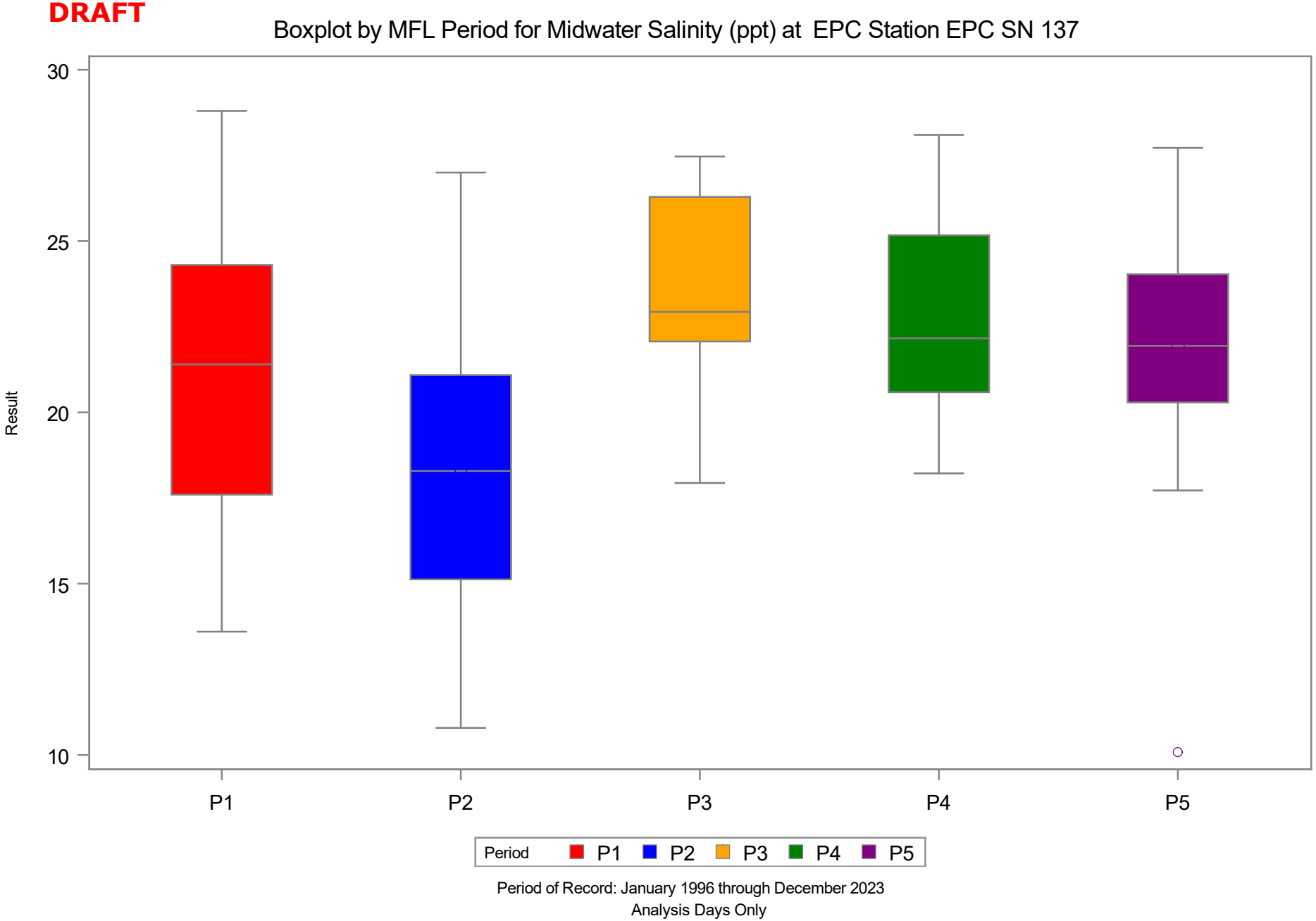
Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 137

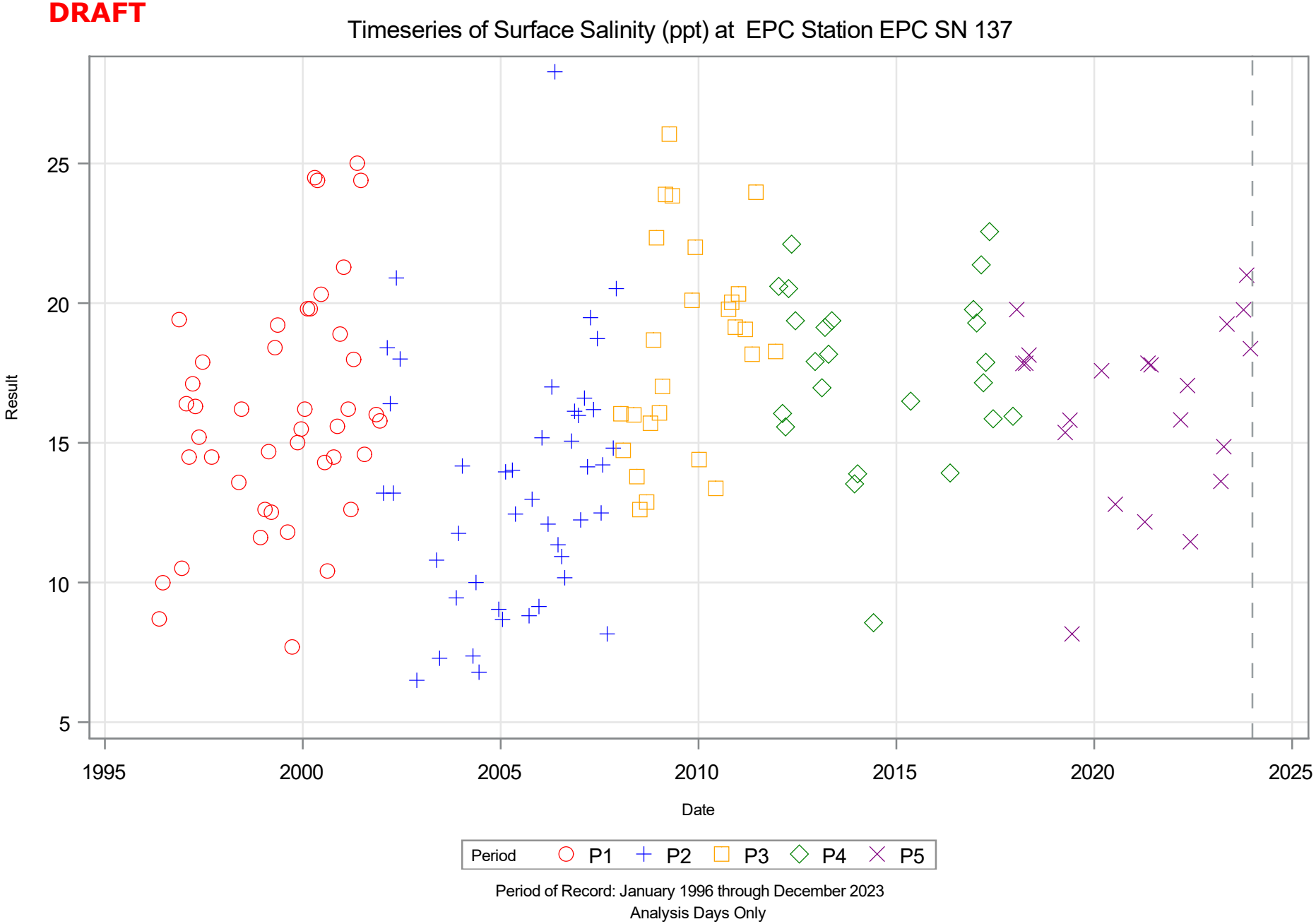
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	13.60	17.60	21.12	21.40	24.30	28.80
P2	44	10.79	15.13	18.38	18.29	21.09	27.00
P3	26	17.94	22.07	23.28	22.94	26.29	27.47
P4	24	18.22	20.59	22.73	22.16	25.17	28.10
P5	21	10.08	20.29	21.96	21.94	24.03	27.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

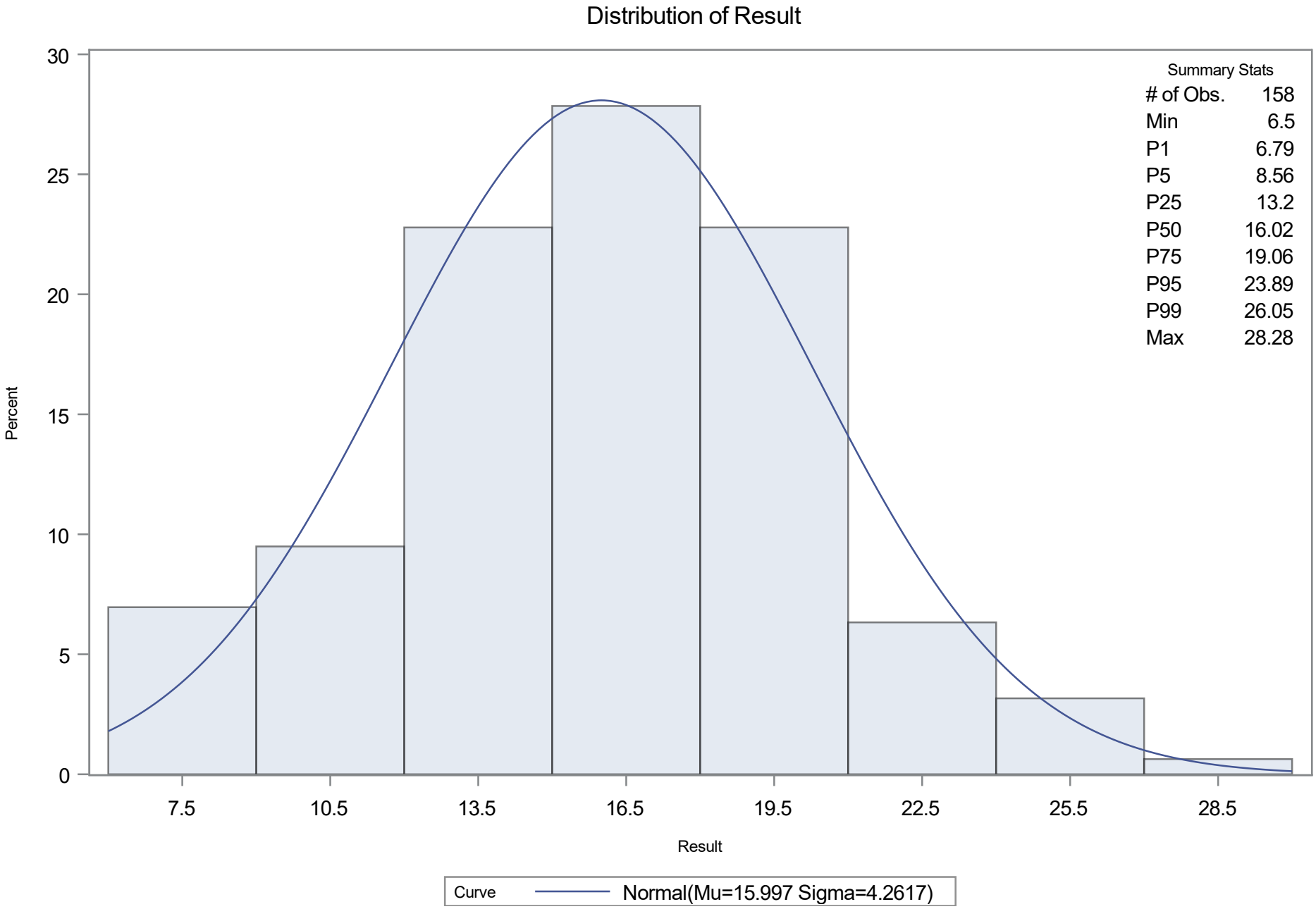

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 137
Result
30
25
20
15
10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 137
Result
25
20
15
10
5
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.99696
Std Dev	Sigma	4.261666

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03644392	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03633736	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28258502	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.79000	6.08284
5.0	8.56000	8.98714
10.0	10.00000	10.53542
25.0	13.20000	13.12251
50.0	16.02000	15.99696
75.0	19.06000	18.87141
90.0	21.00000	21.45851
95.0	23.89000	23.00678
99.0	26.05000	25.91108

Period of Record: January 1996 through December 2023
Analysis Days Only

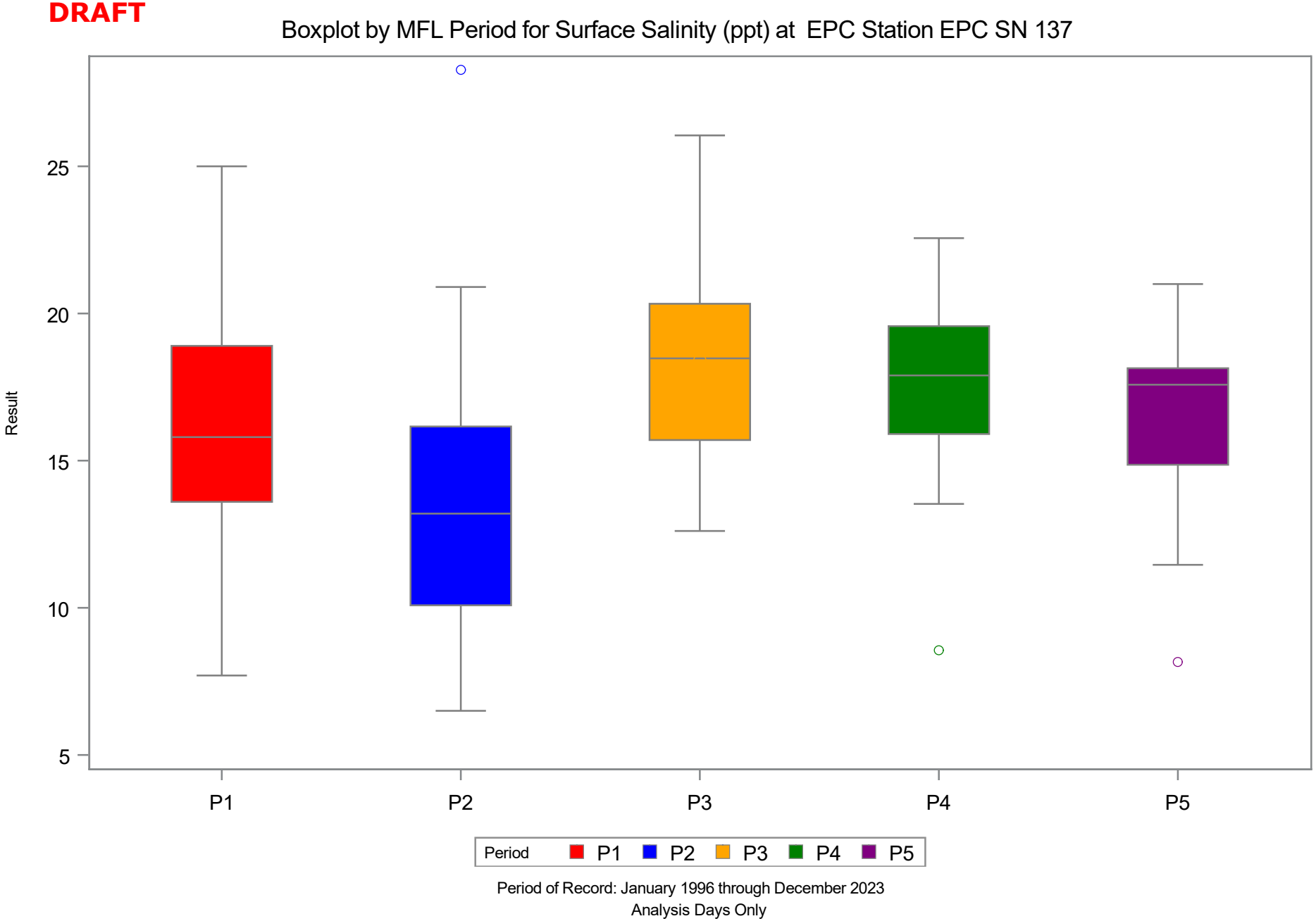
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 137

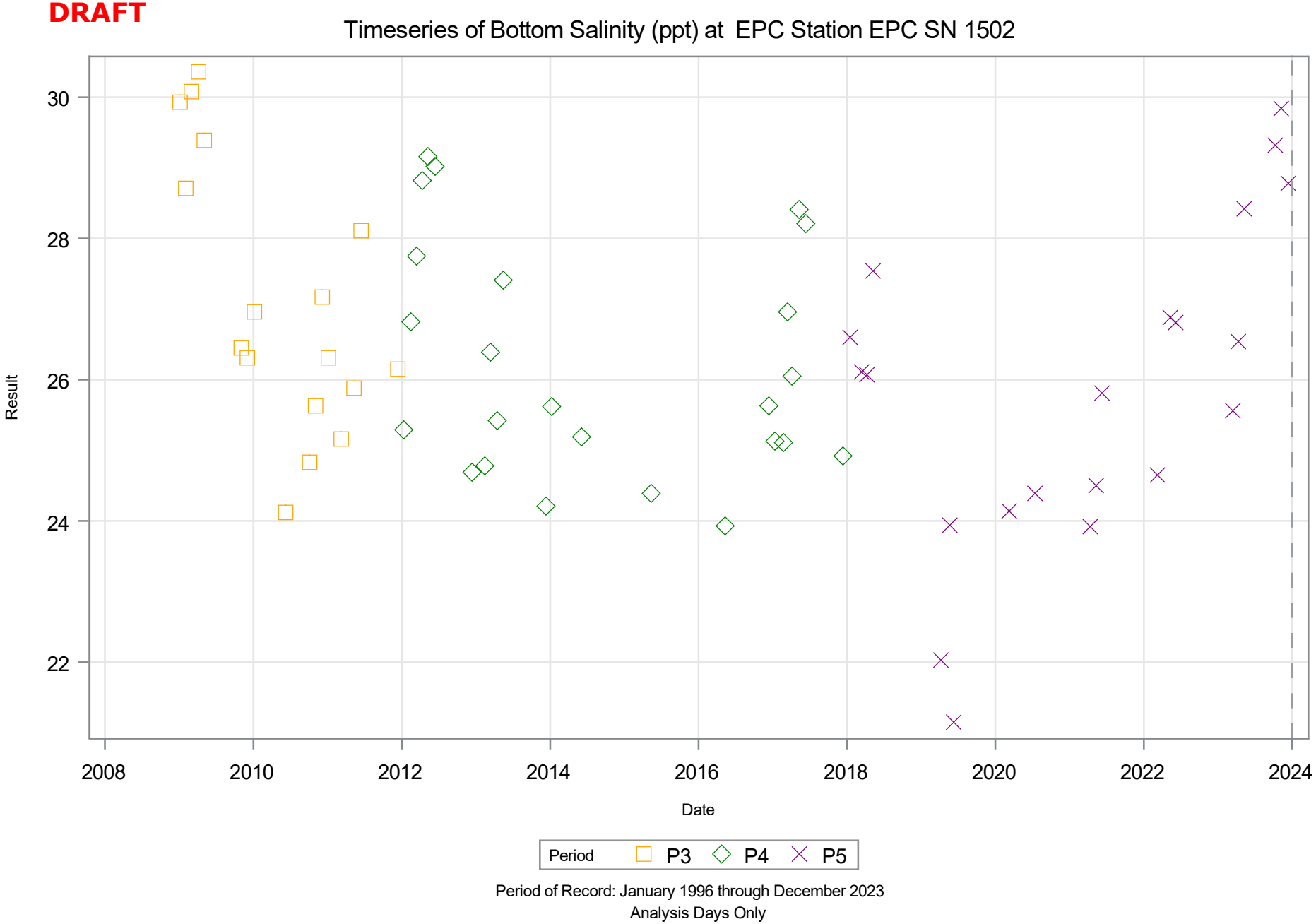
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	7.70	13.60	16.09	15.80	18.90	25.00
P2	44	6.50	10.09	13.48	13.20	16.16	28.28
P3	26	12.61	15.70	18.39	18.48	20.33	26.05
P4	24	8.56	15.91	17.58	17.90	19.57	22.56
P5	21	8.16	14.86	16.30	17.58	18.14	21.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

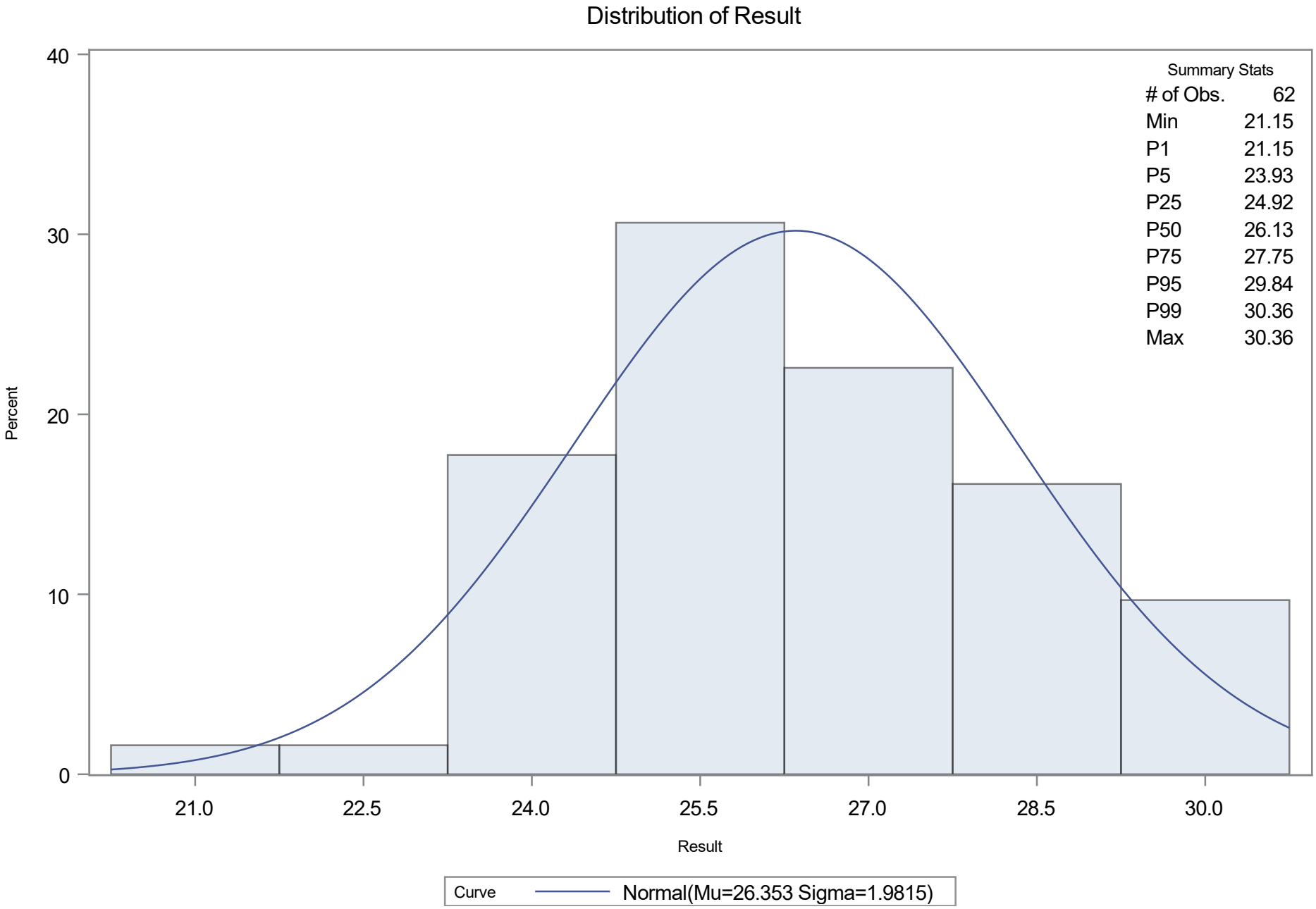

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 137
Result
25
20
15
10
5
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1502
Result
30
28
26
24
22
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.35258
Std Dev	Sigma	1.98151

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07753298	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07674141	**Pr > W-Sq**	0.230
Anderson-Darling	**A-Sq**	0.52300359	**Pr > A-Sq**	0.184

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.1500	21.7429
5.0	23.9300	23.0933
10.0	24.1400	23.8132
25.0	24.9200	25.0161
50.0	26.1300	26.3526
75.0	27.7500	27.6891
90.0	29.1600	28.8920
95.0	29.8400	29.6119
99.0	30.3600	30.9623

Period of Record: January 1996 through December 2023
Analysis Days Only

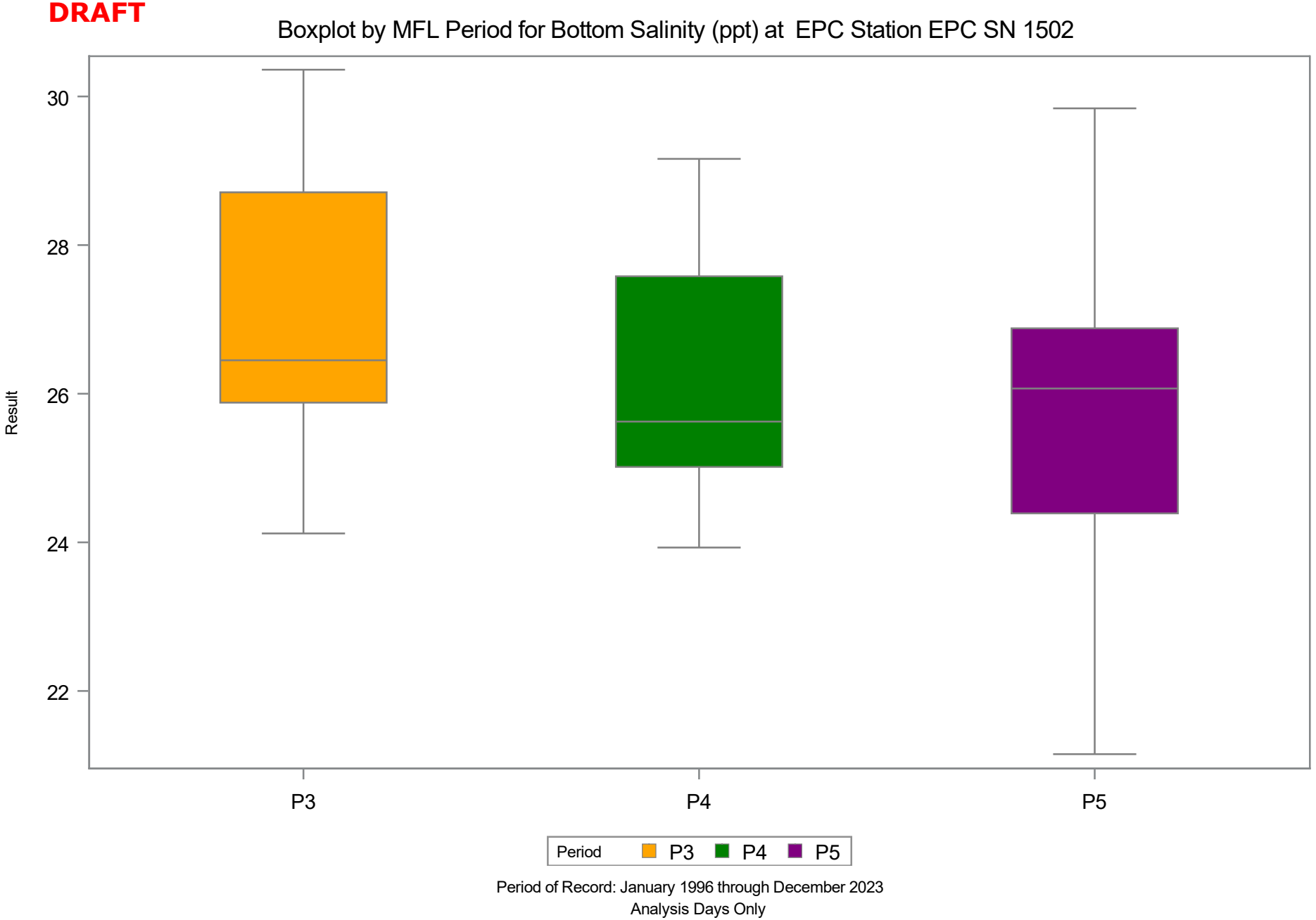
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1502

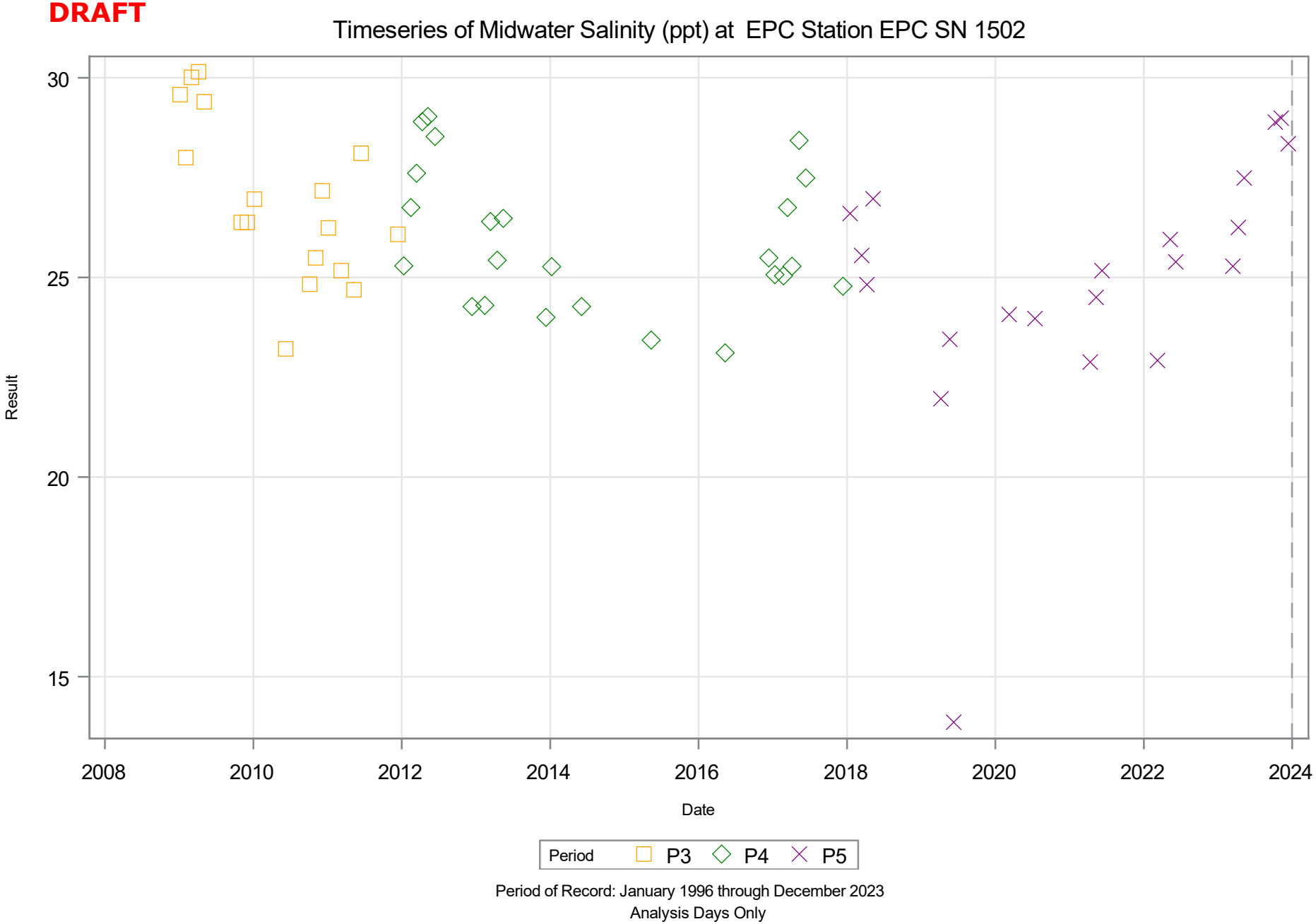
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	24.12	25.88	27.15	26.45	28.71	30.36
P4	24	23.93	25.02	26.22	25.63	27.58	29.16
P5	21	21.15	24.39	25.86	26.07	26.88	29.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

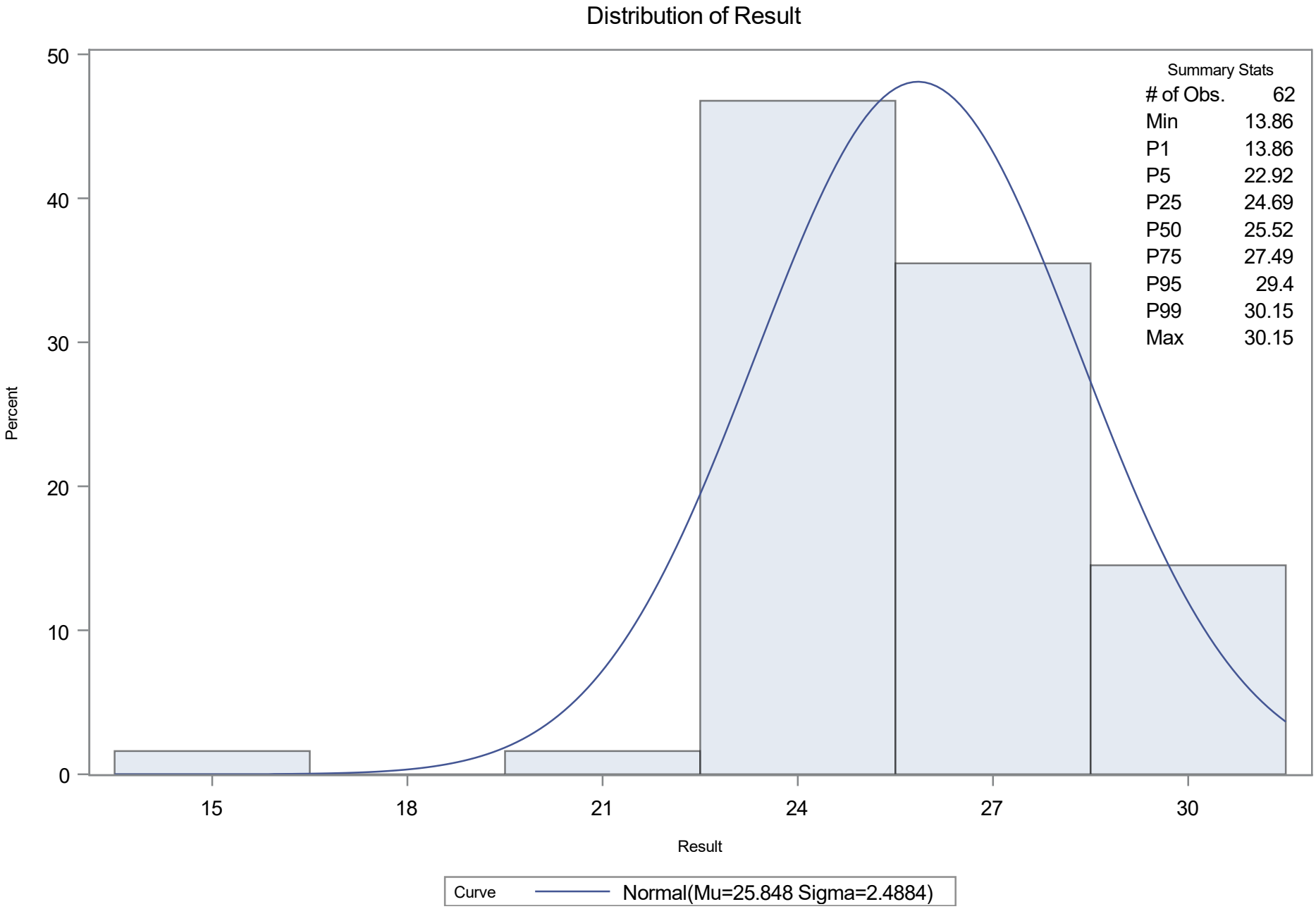

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1502
Result
30
28
26
24
22
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1502
Result
30
25
20
15
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.84774
Std Dev	Sigma	2.488409

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09621362	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10735978	**Pr > W-Sq**	0.090
Anderson-Darling	**A-Sq**	0.89769559	**Pr > A-Sq**	0.022

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.8600	20.0588
5.0	22.9200	21.7547
10.0	23.4300	22.6587
25.0	24.6900	24.1693
50.0	25.5200	25.8477
75.0	27.4900	27.5261
90.0	28.9000	29.0368
95.0	29.4000	29.9408
99.0	30.1500	31.6366

Period of Record: January 1996 through December 2023
Analysis Days Only

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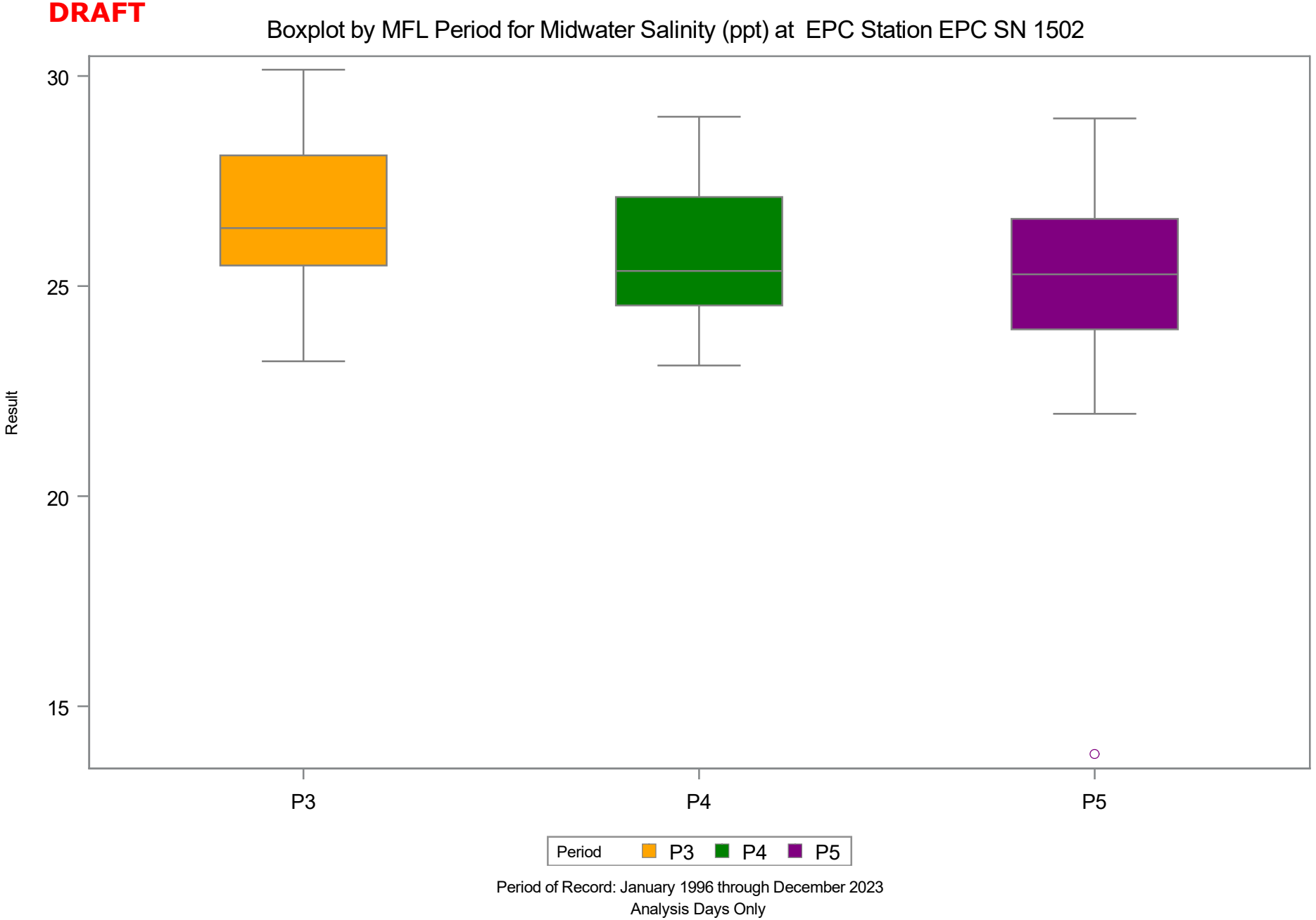
Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1502

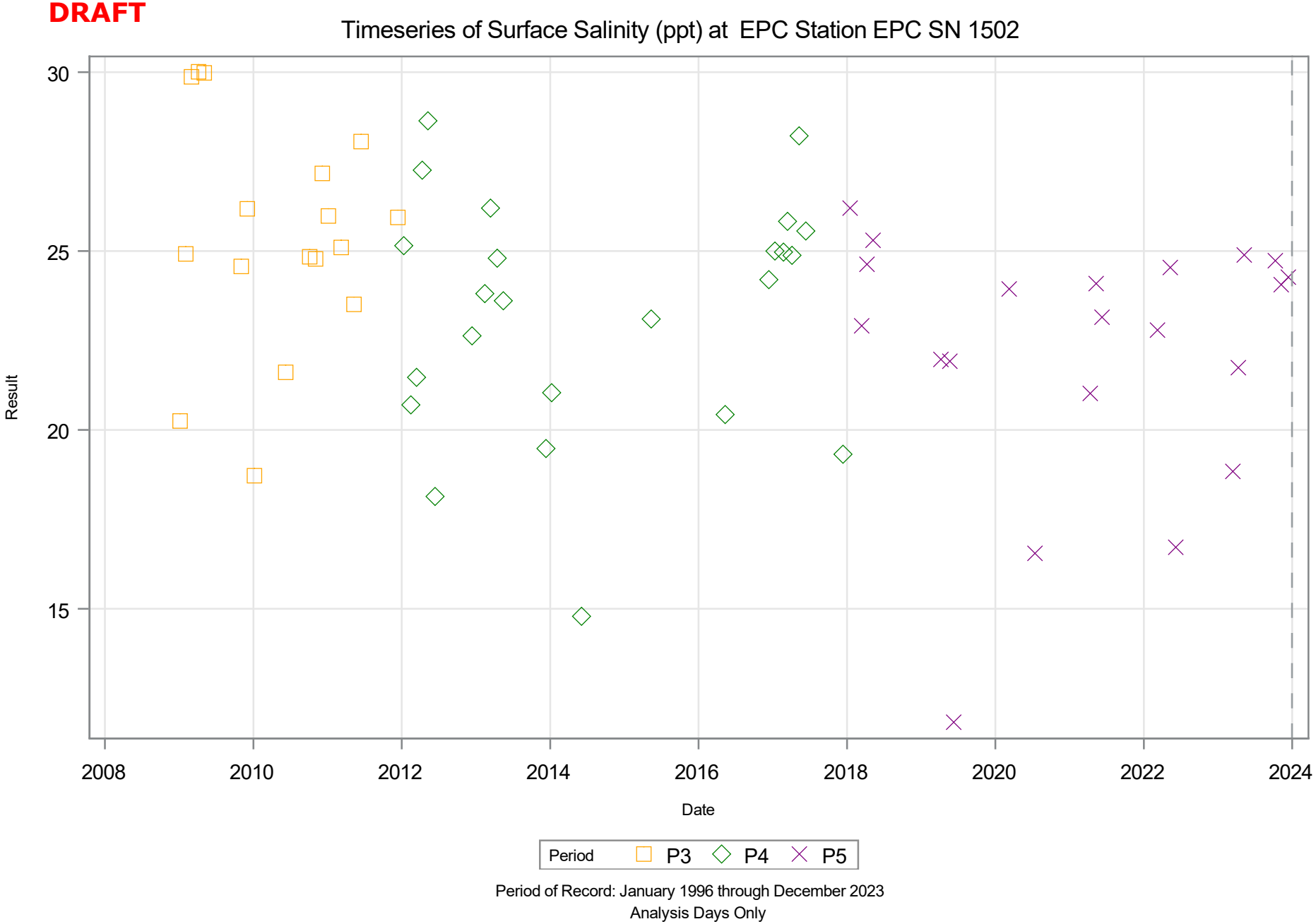
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	23.21	25.49	26.93	26.38	28.11	30.15
P4	24	23.11	24.54	25.89	25.36	27.12	29.03
P5	21	13.86	23.97	24.92	25.28	26.60	28.99

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

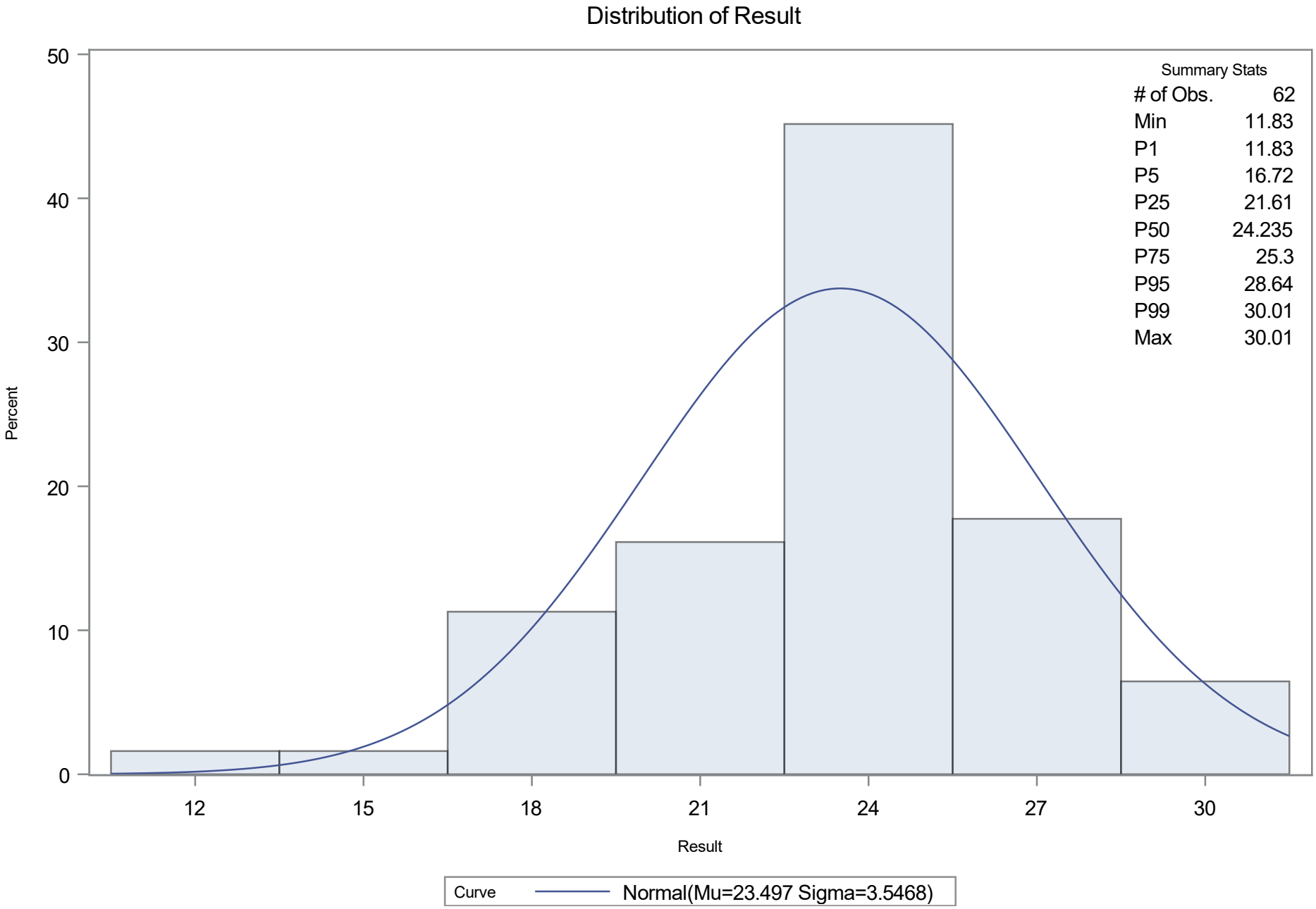

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1502
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 1502
Result
30
25
20
15
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.49694
Std Dev	Sigma	3.546774

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11581308	**Pr > D**	0.038
Cramer-von Mises	**W-Sq**	0.20003587	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.03042628	**Pr > A-Sq**	0.010

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.8300	15.2459
5.0	16.7200	17.6630
10.0	18.8400	18.9516
25.0	21.6100	21.1047
50.0	24.2350	23.4969
75.0	25.3000	25.8892
90.0	27.2600	28.0423
95.0	28.6400	29.3309
99.0	30.0100	31.7480

Period of Record: January 1996 through December 2023
Analysis Days Only

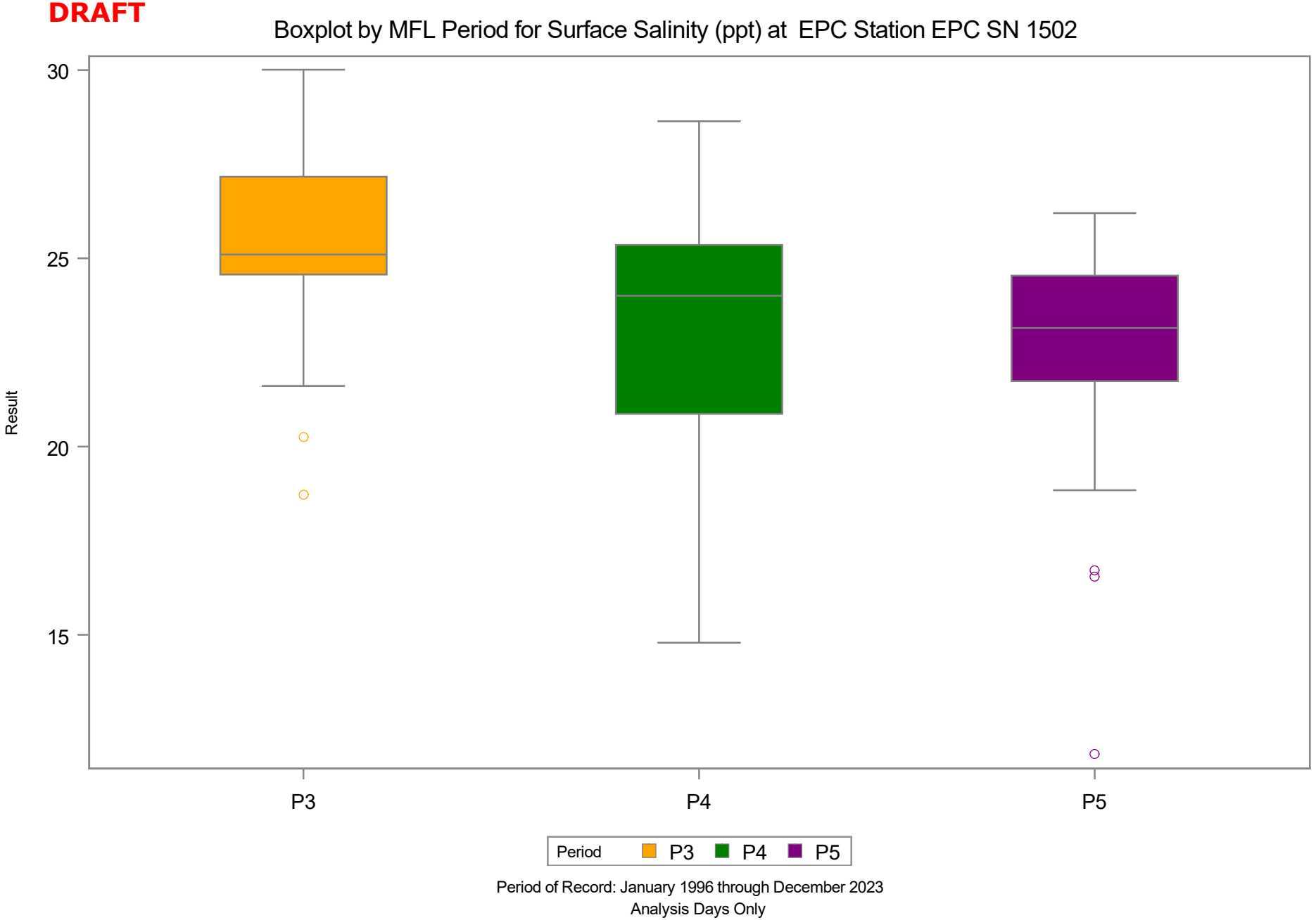
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1502

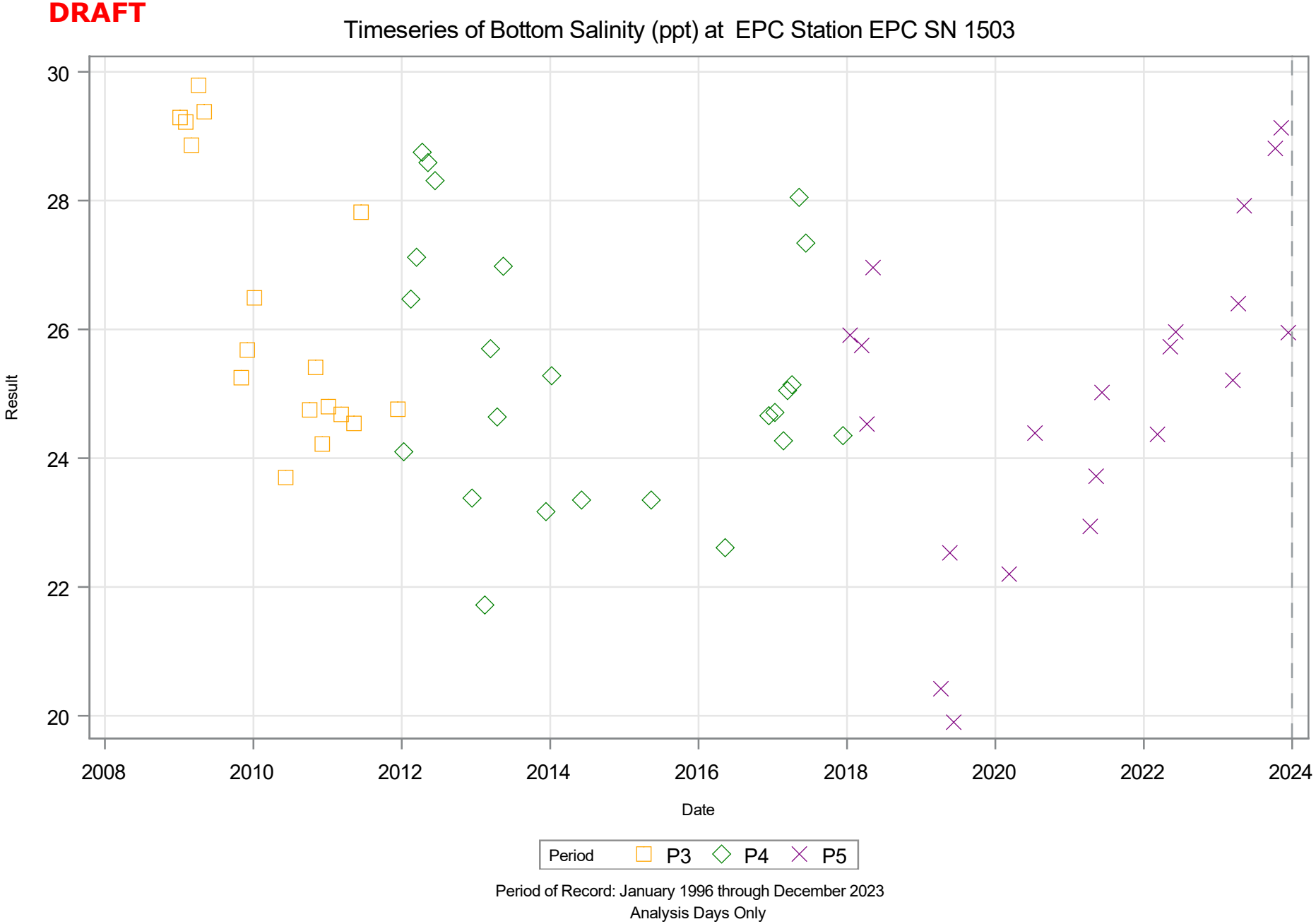
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	18.72	24.57	25.38	25.10	27.17	30.01
P4	24	14.79	20.87	23.30	24.01	25.36	28.64
P5	21	11.83	21.74	22.19	23.15	24.54	26.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

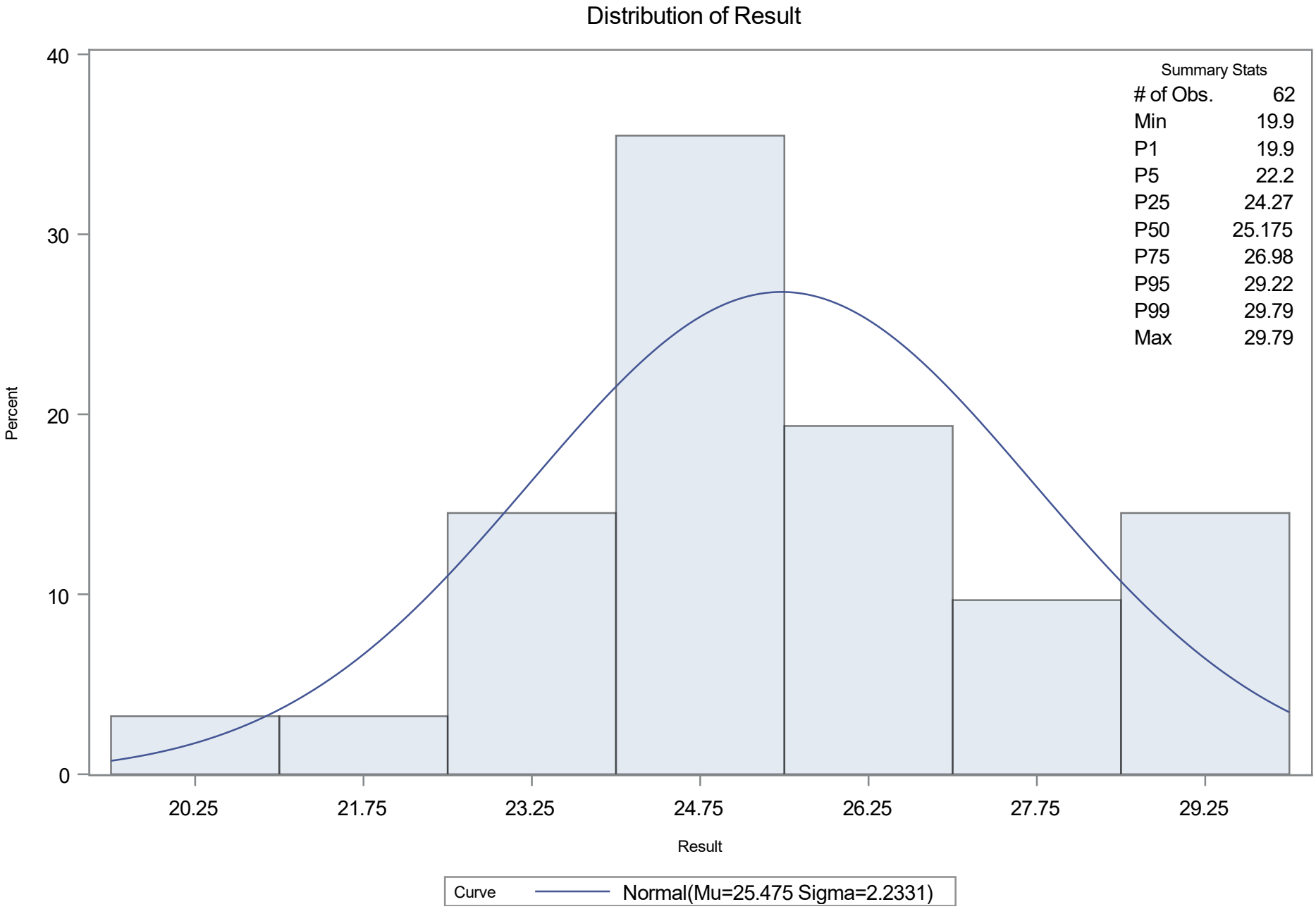

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1502
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1503
Result
30
28
26
24
22
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.47548
Std Dev	Sigma	2.23309

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09153476	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10090590	**Pr > W-Sq**	0.109
Anderson-Darling	**A-Sq**	0.60541151	**Pr > A-Sq**	0.113

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19.9000	20.2805
5.0	22.2000	21.8024
10.0	22.9400	22.6137
25.0	24.2700	23.9693
50.0	25.1750	25.4755
75.0	26.9800	26.9817
90.0	28.8100	28.3373
95.0	29.2200	29.1486
99.0	29.7900	30.6704

Period of Record: January 1996 through December 2023
Analysis Days Only

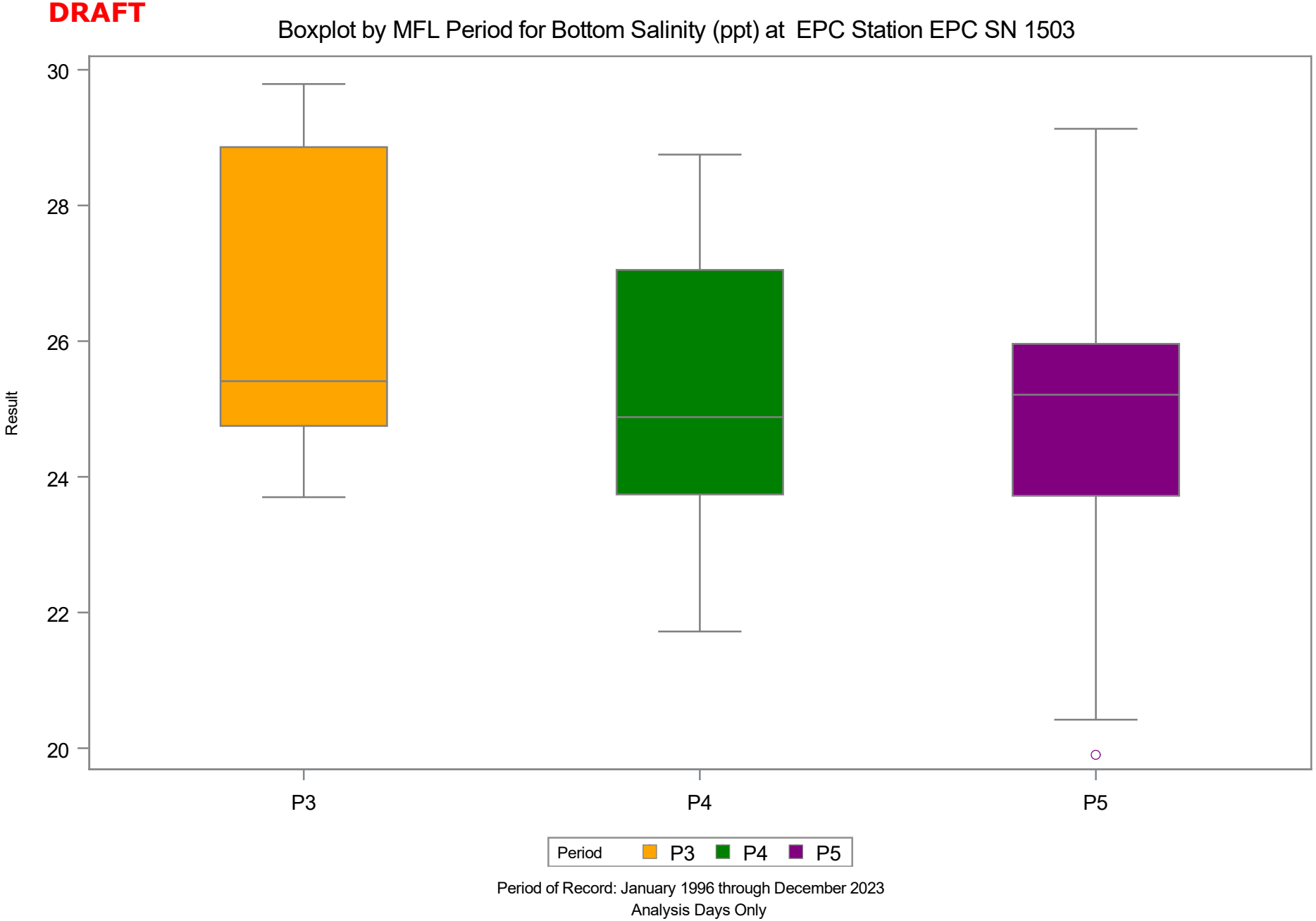
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	23.70	24.75	26.39	25.41	28.86	29.79
P4	24	21.72	23.74	25.30	24.88	27.05	28.75
P5	21	19.90	23.72	24.94	25.21	25.96	29.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1503
Result
30
28
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24
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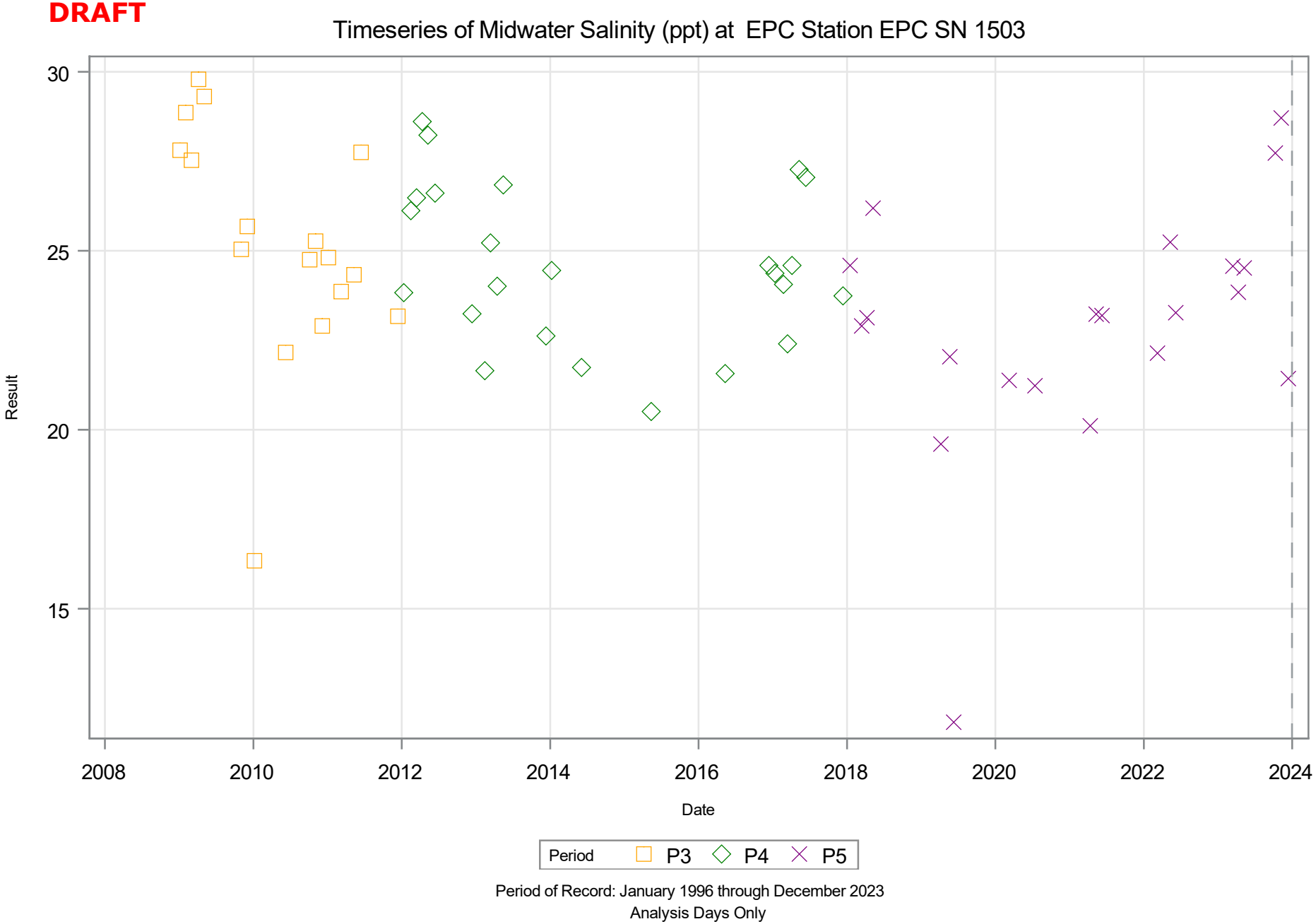
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1503
Result
30
25
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2008
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2012
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2016
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2020
2022
2024
Date
Period
P3
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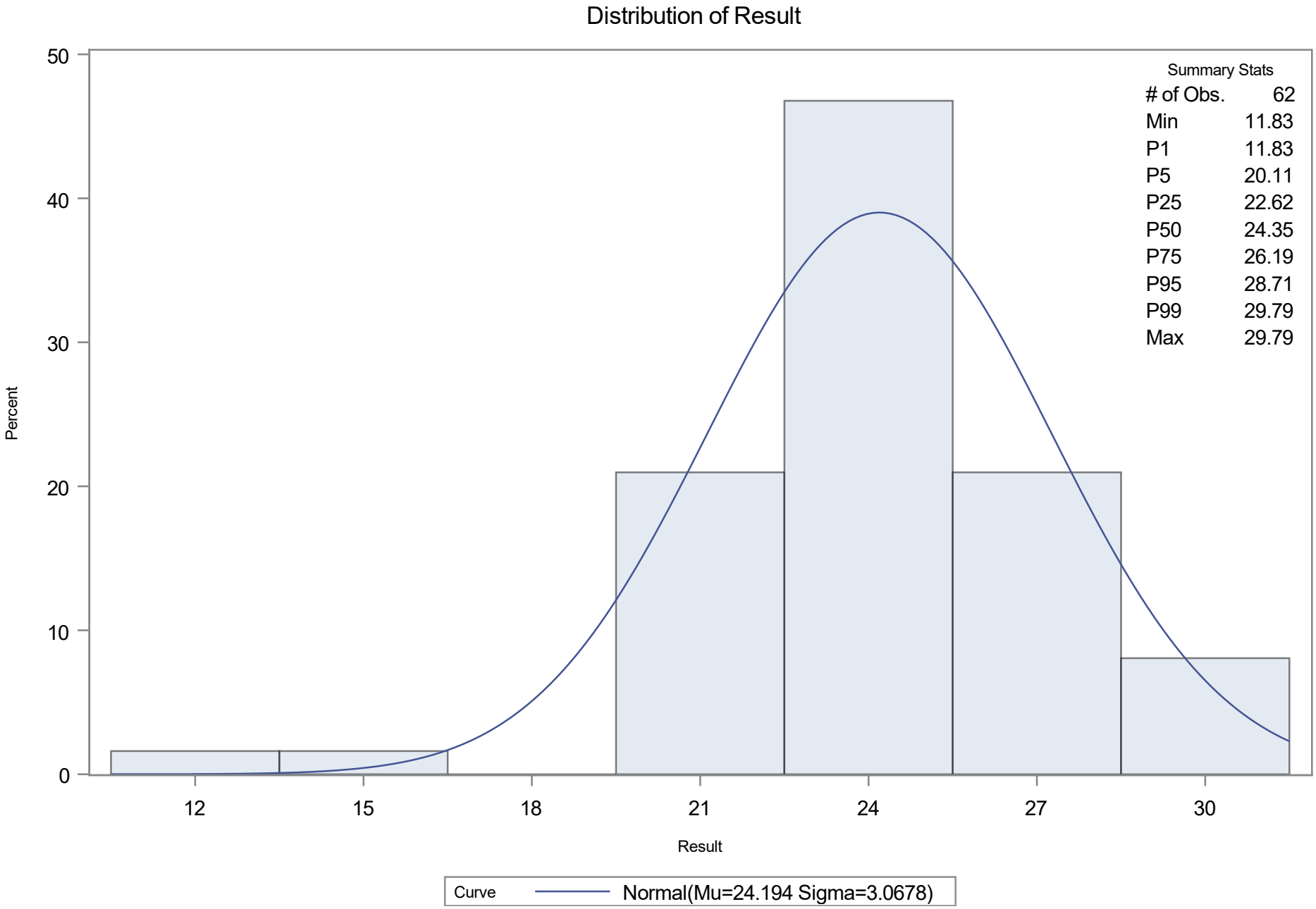
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.19403
Std Dev	Sigma	3.06783

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08633543	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08976308	**Pr > W-Sq**	0.153
Anderson-Darling	**A-Sq**	0.68492068	**Pr > A-Sq**	0.074

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.8300	17.0572
5.0	20.1100	19.1479
10.0	21.3800	20.2625
25.0	22.6200	22.1248
50.0	24.3500	24.1940
75.0	26.1900	26.2633
90.0	27.8100	28.1256
95.0	28.7100	29.2402
99.0	29.7900	31.3309

Period of Record: January 1996 through December 2023
Analysis Days Only

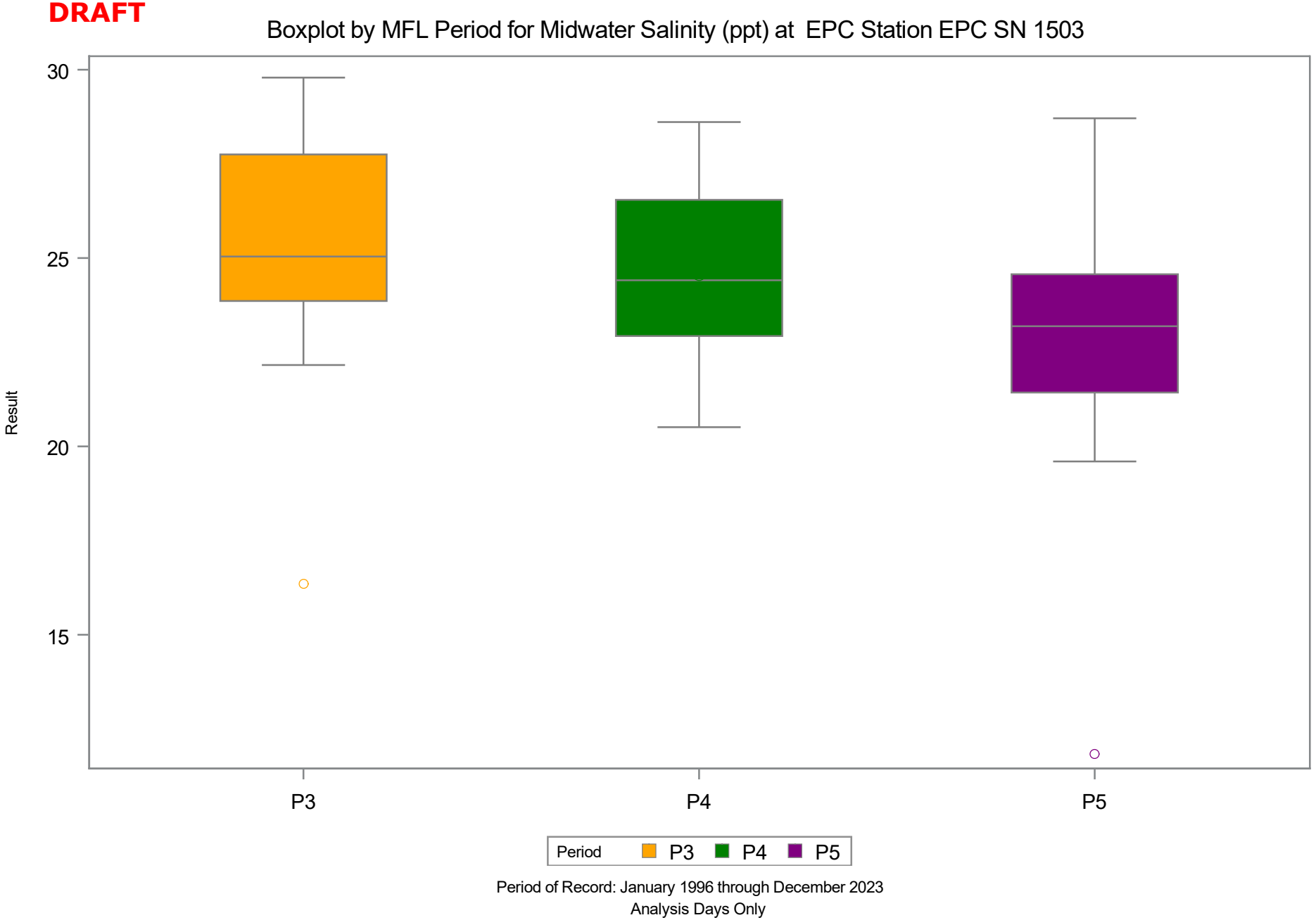
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.34	23.86	25.26	25.04	27.75	29.79
P4	24	20.51	22.93	24.57	24.41	26.55	28.61
P5	21	11.83	21.43	22.90	23.19	24.57	28.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1503
Result
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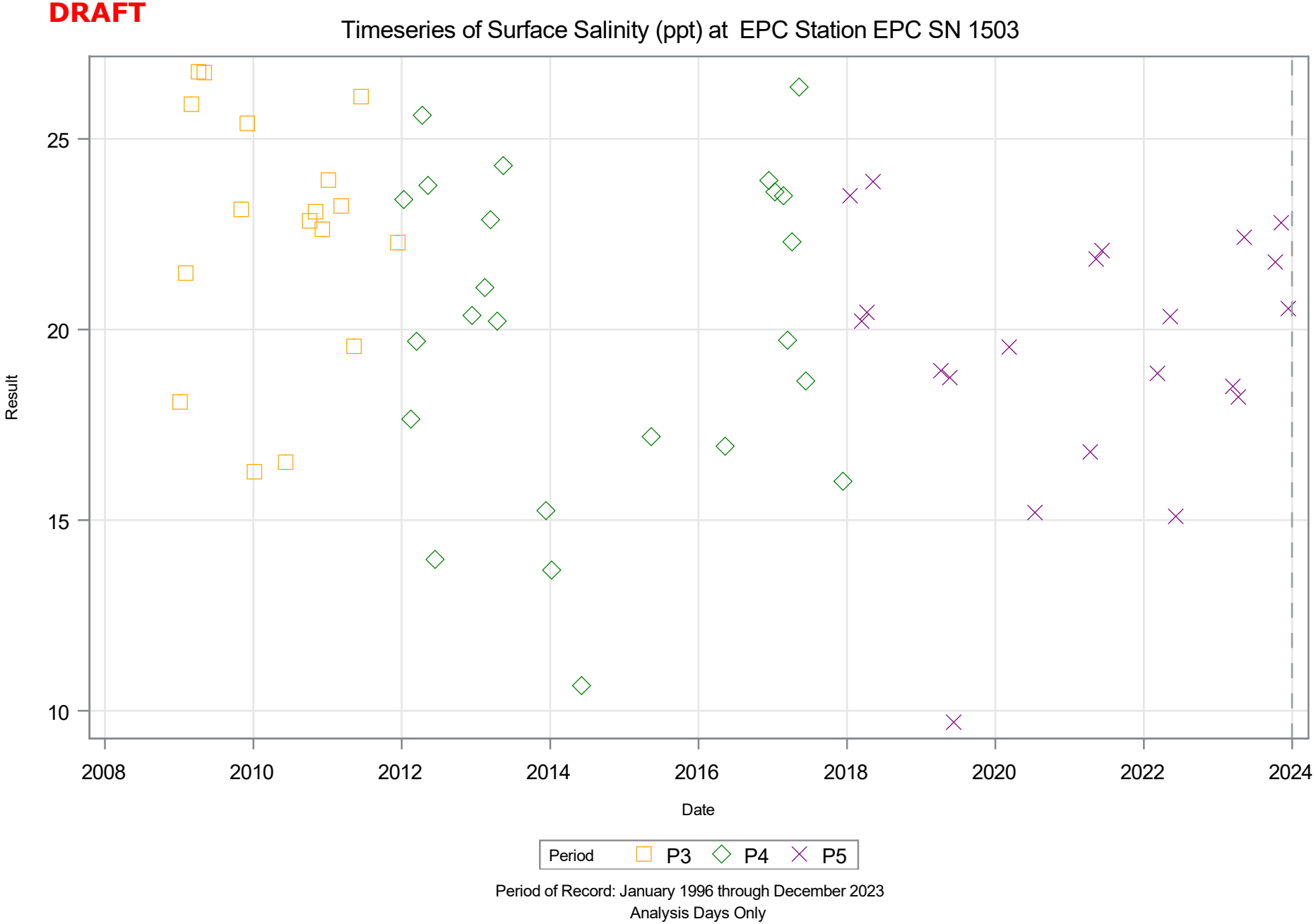
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 1503
Result
25
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2024
Date
Period
P3
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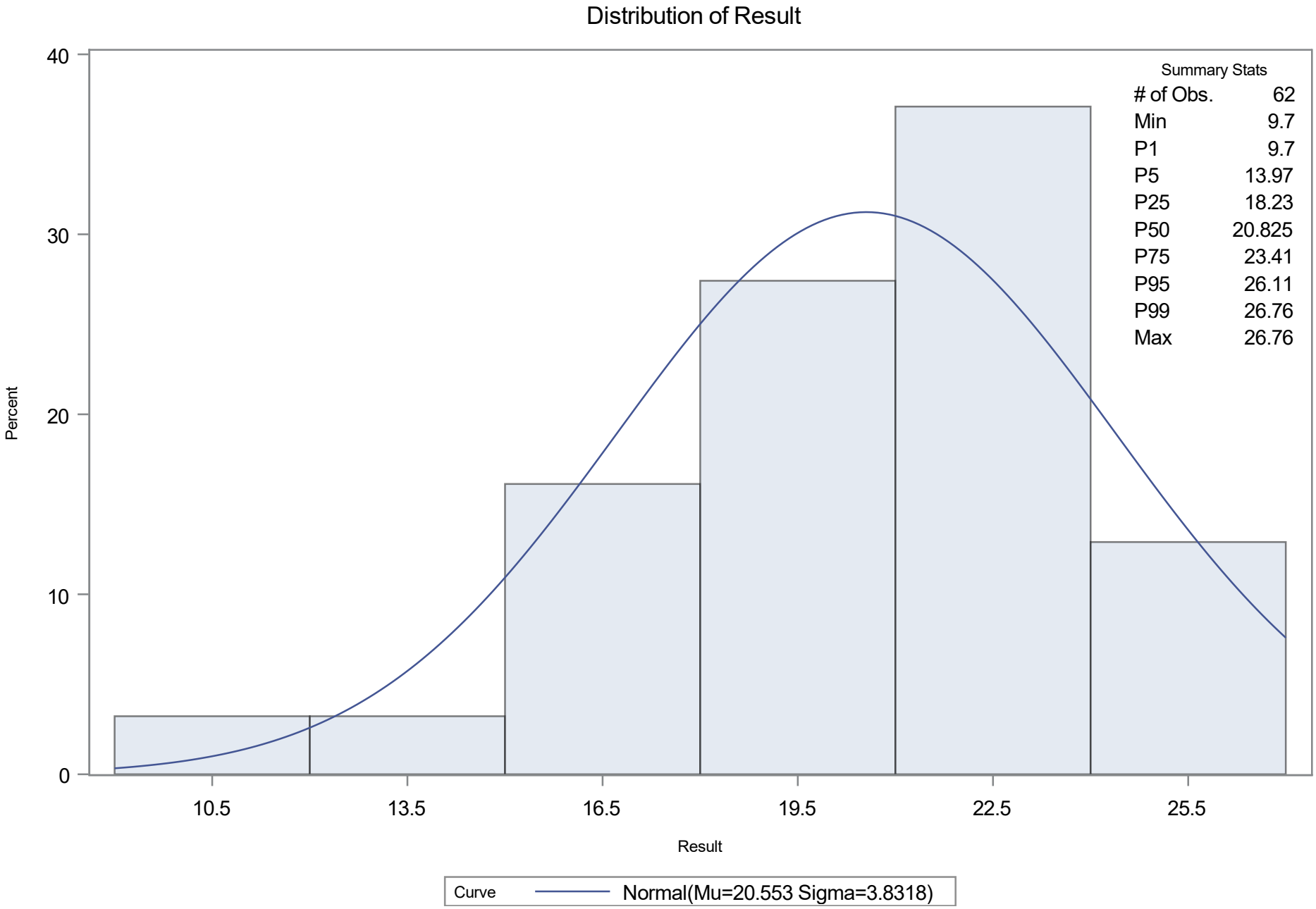
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20.55258
Std Dev	Sigma	3.831775

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09329319	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09084178	**Pr > W-Sq**	0.148
Anderson-Darling	**A-Sq**	0.56878840	**Pr > A-Sq**	0.139

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	9.70000	11.6385
5.0	13.97000	14.2499
10.0	15.25000	15.6420
25.0	18.23000	17.9681
50.0	20.82500	20.5526
75.0	23.41000	23.1371
90.0	25.41000	25.4632
95.0	26.11000	26.8553
99.0	26.76000	29.4666

Period of Record: January 1996 through December 2023
Analysis Days Only

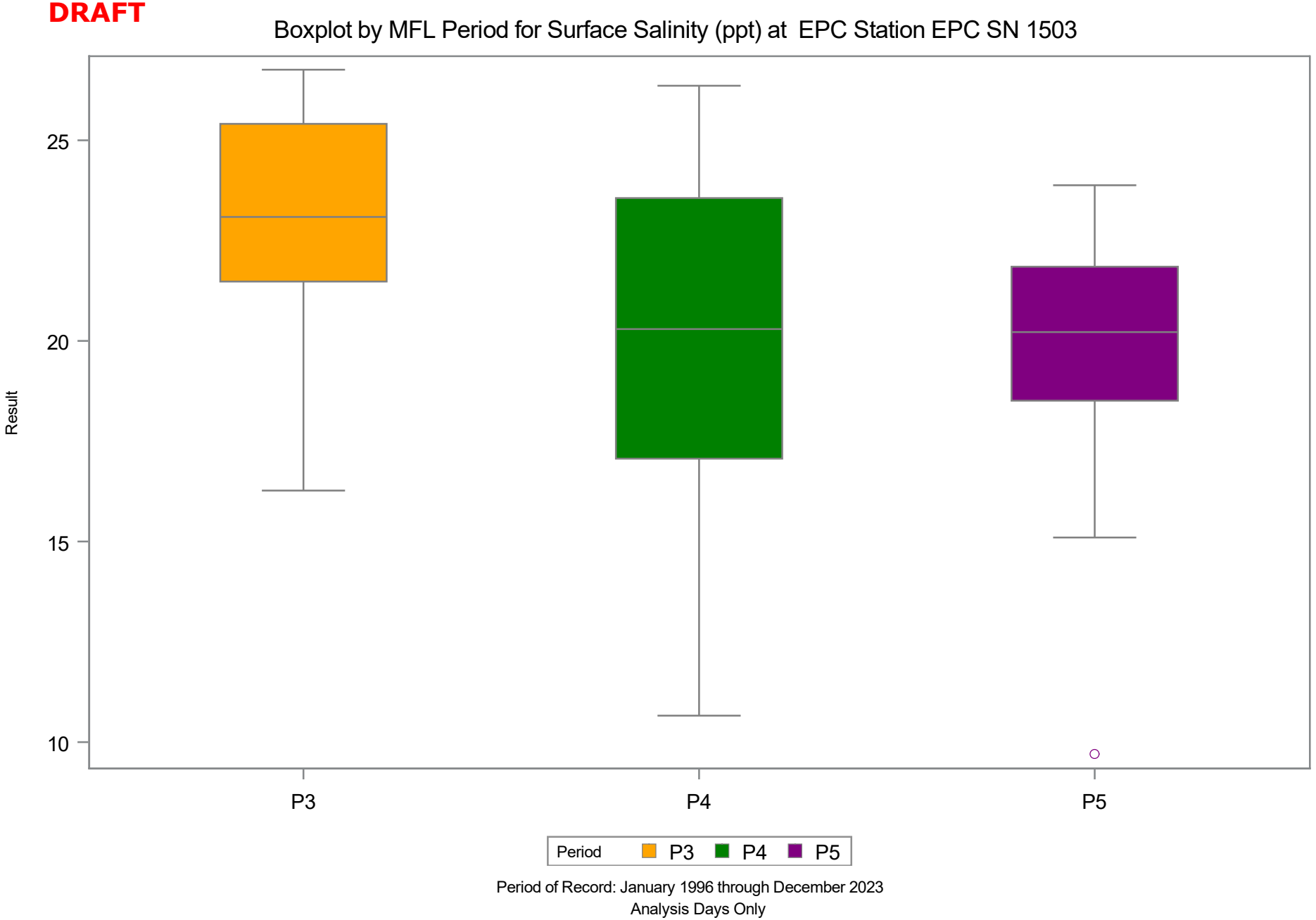
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.27	21.48	22.59	23.09	25.41	26.76
P4	24	10.66	17.07	20.03	20.30	23.56	26.36
P5	21	9.70	18.51	19.50	20.22	21.85	23.88

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1503
Result
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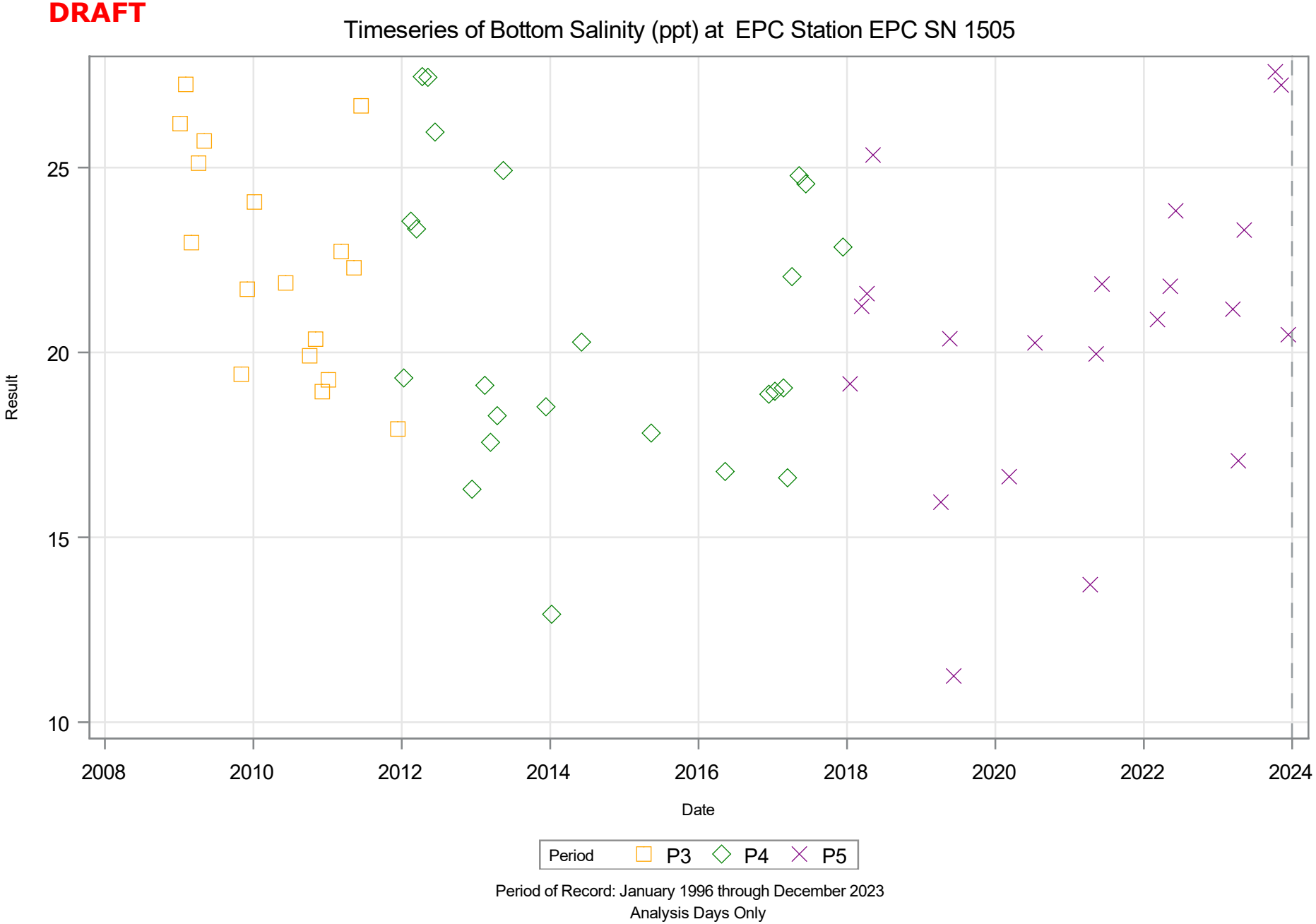
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1505
Result
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2008
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2022
2024
Date
Period
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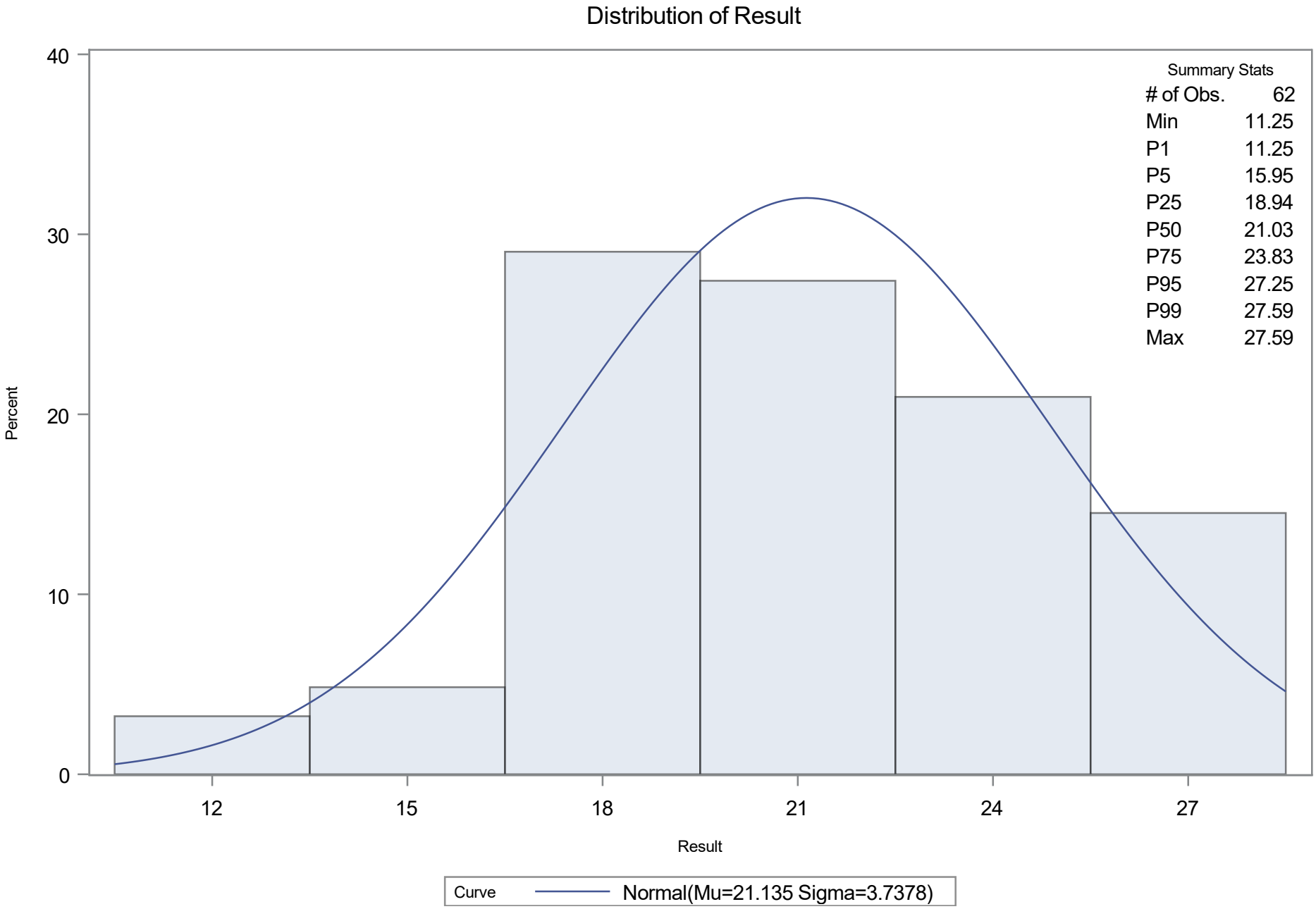
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.13532
Std Dev	Sigma	3.737778

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05345849	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02912430	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25884239	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.2500	12.4400
5.0	15.9500	14.9872
10.0	16.6400	16.3452
25.0	18.9400	18.6142
50.0	21.0300	21.1353
75.0	23.8300	23.6564
90.0	26.1900	25.9255
95.0	27.2500	27.2834
99.0	27.5900	29.8307

Period of Record: January 1996 through December 2023
Analysis Days Only

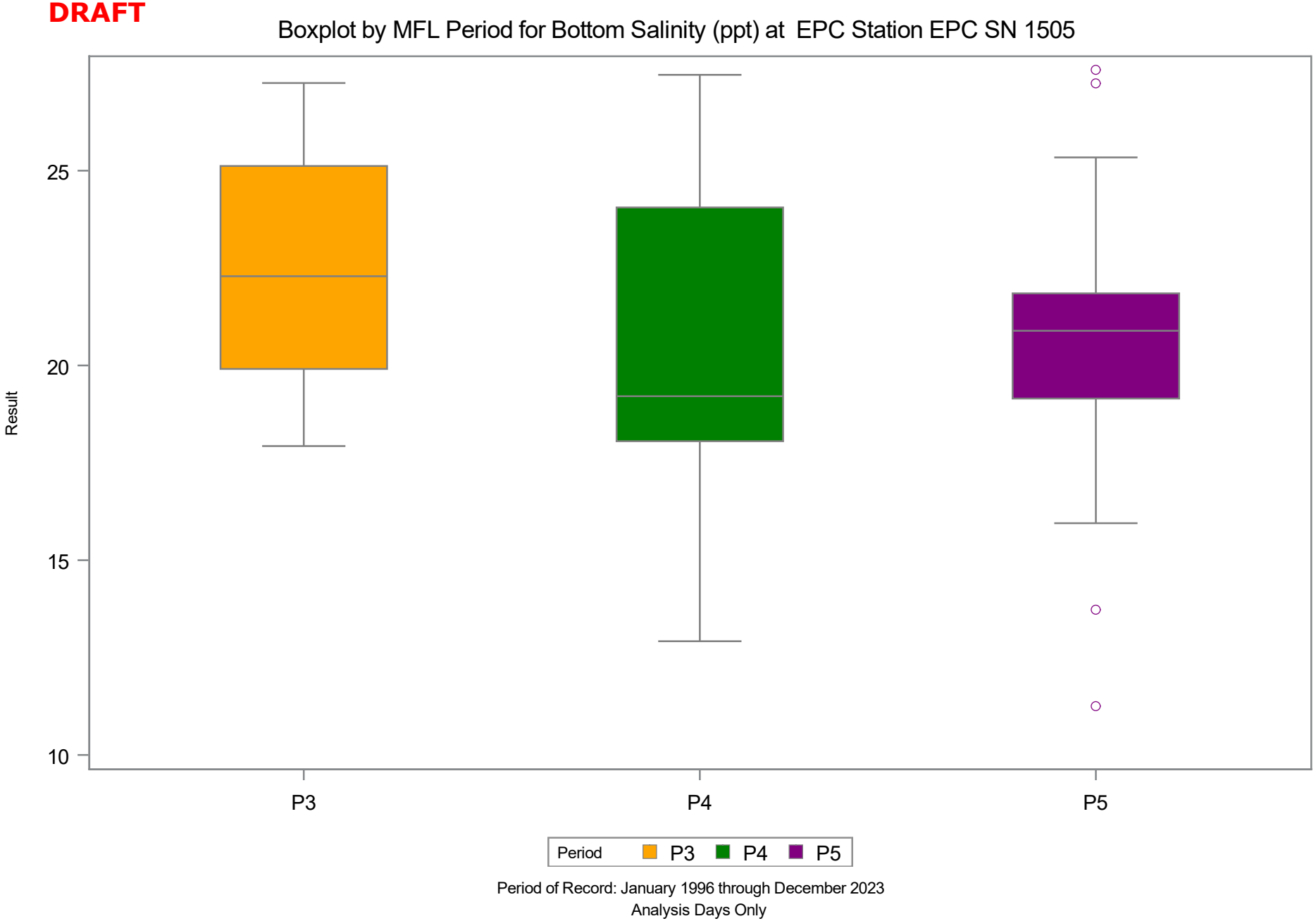
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	17.93	19.91	22.49	22.29	25.12	27.25
P4	24	12.92	18.06	20.72	19.21	24.06	27.46
P5	21	11.25	19.15	20.51	20.89	21.85	27.59

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1505
Result
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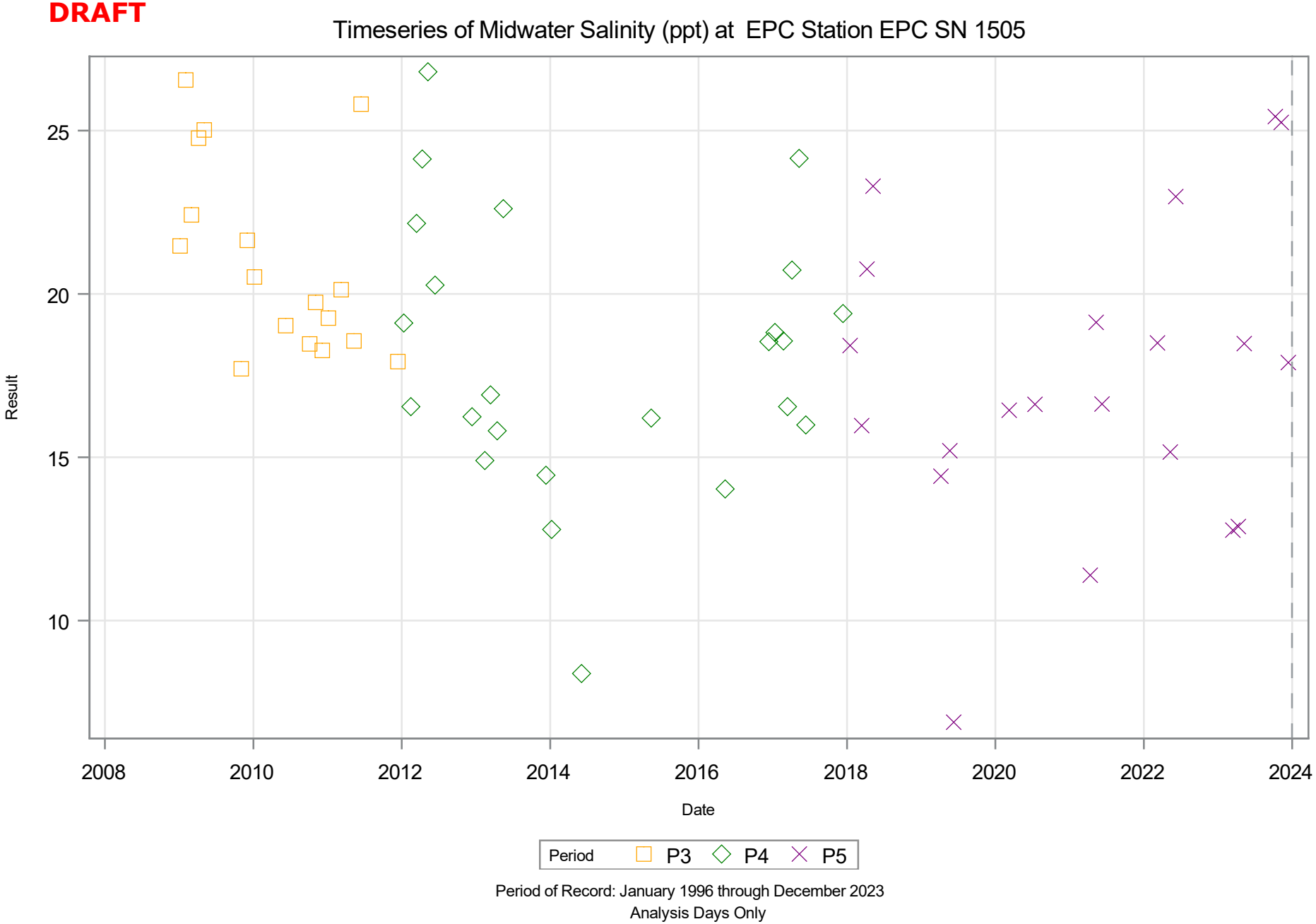
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1505
Result
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2008
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2022
2024
Date
Period
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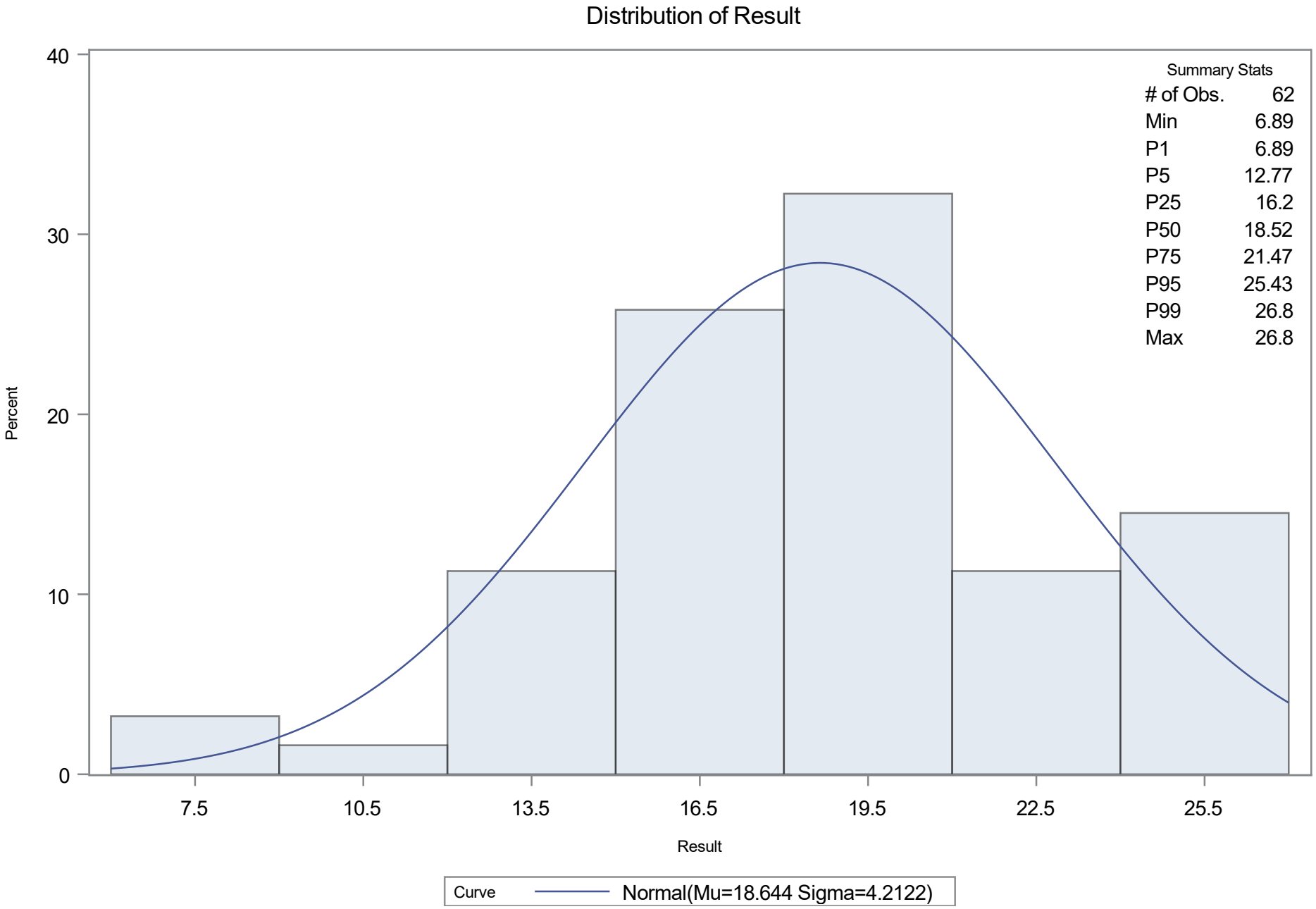
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.64355
Std Dev	Sigma	4.212181

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07389983	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05727584	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.37065975	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.89000	8.84455
5.0	12.77000	11.71513
10.0	14.03000	13.24542
25.0	16.20000	15.80248
50.0	18.52000	18.64355
75.0	21.47000	21.48462
90.0	24.77000	24.04168
95.0	25.43000	25.57197
99.0	26.80000	28.44255

Period of Record: January 1996 through December 2023
Analysis Days Only

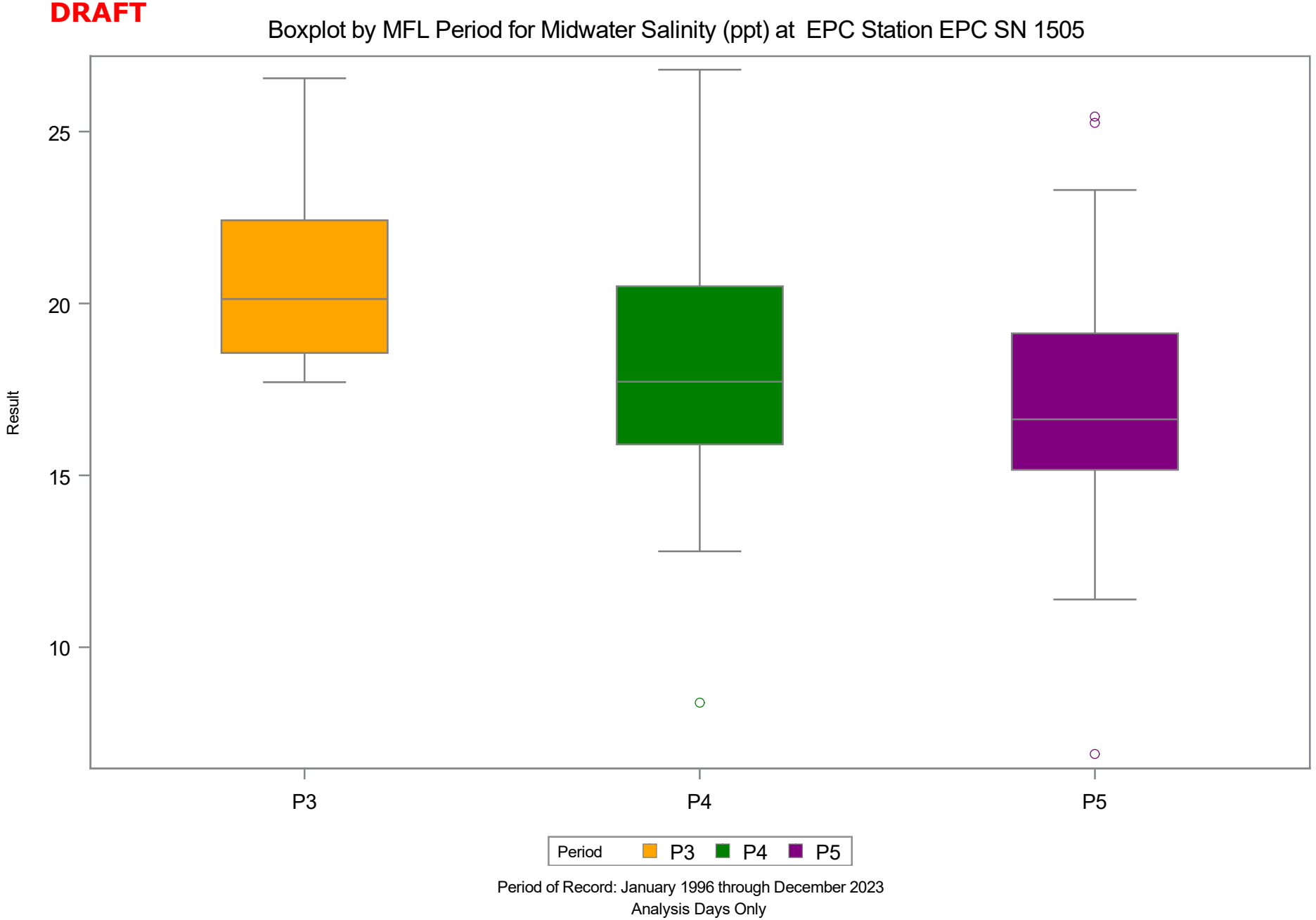
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	17.71	18.56	21.02	20.13	22.42	26.55
P4	24	8.38	15.90	18.09	17.73	20.50	26.80
P5	21	6.89	15.16	17.36	16.63	19.13	25.43

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1505
Result
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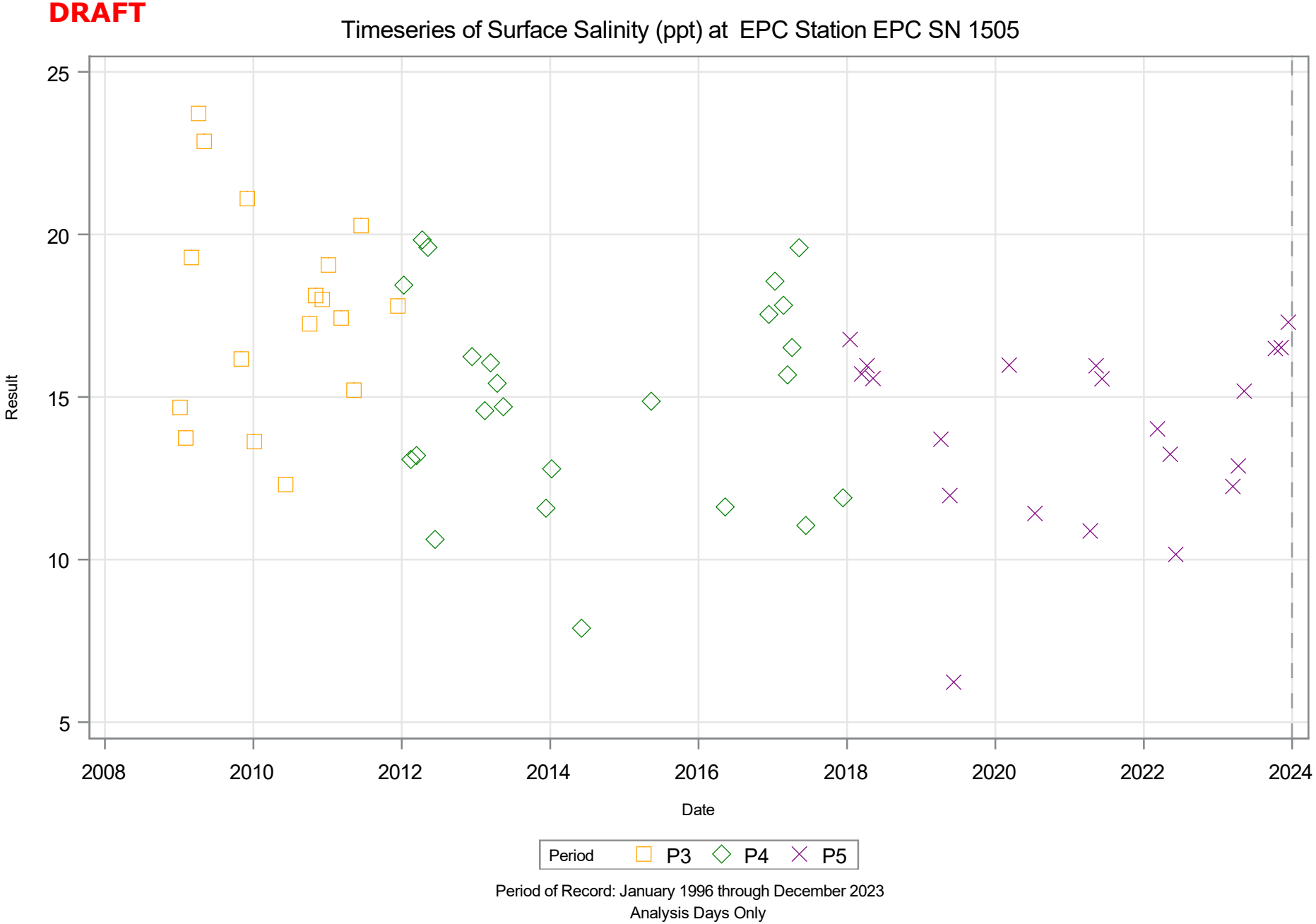
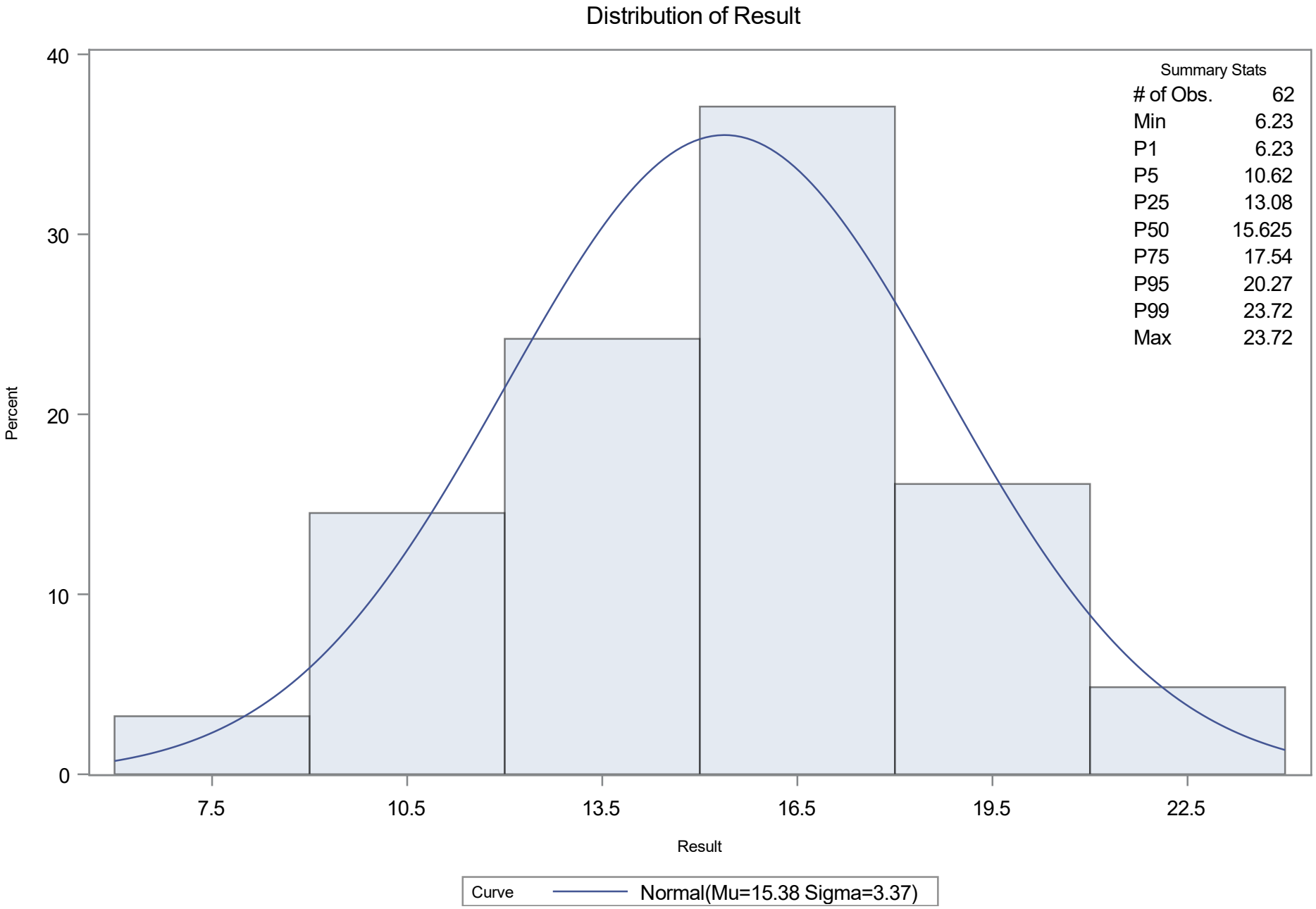
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 1505
Result
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.38
Std Dev	Sigma	3.369978

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05698280	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02631094	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.17243828	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.23000	7.54026
5.0	10.62000	9.83688
10.0	11.42000	11.06120
25.0	13.08000	13.10698
50.0	15.62500	15.38000
75.0	17.54000	17.65302
90.0	19.59000	19.69880
95.0	20.27000	20.92312
99.0	23.72000	23.21974

Period of Record: January 1996 through December 2023
Analysis Days Only

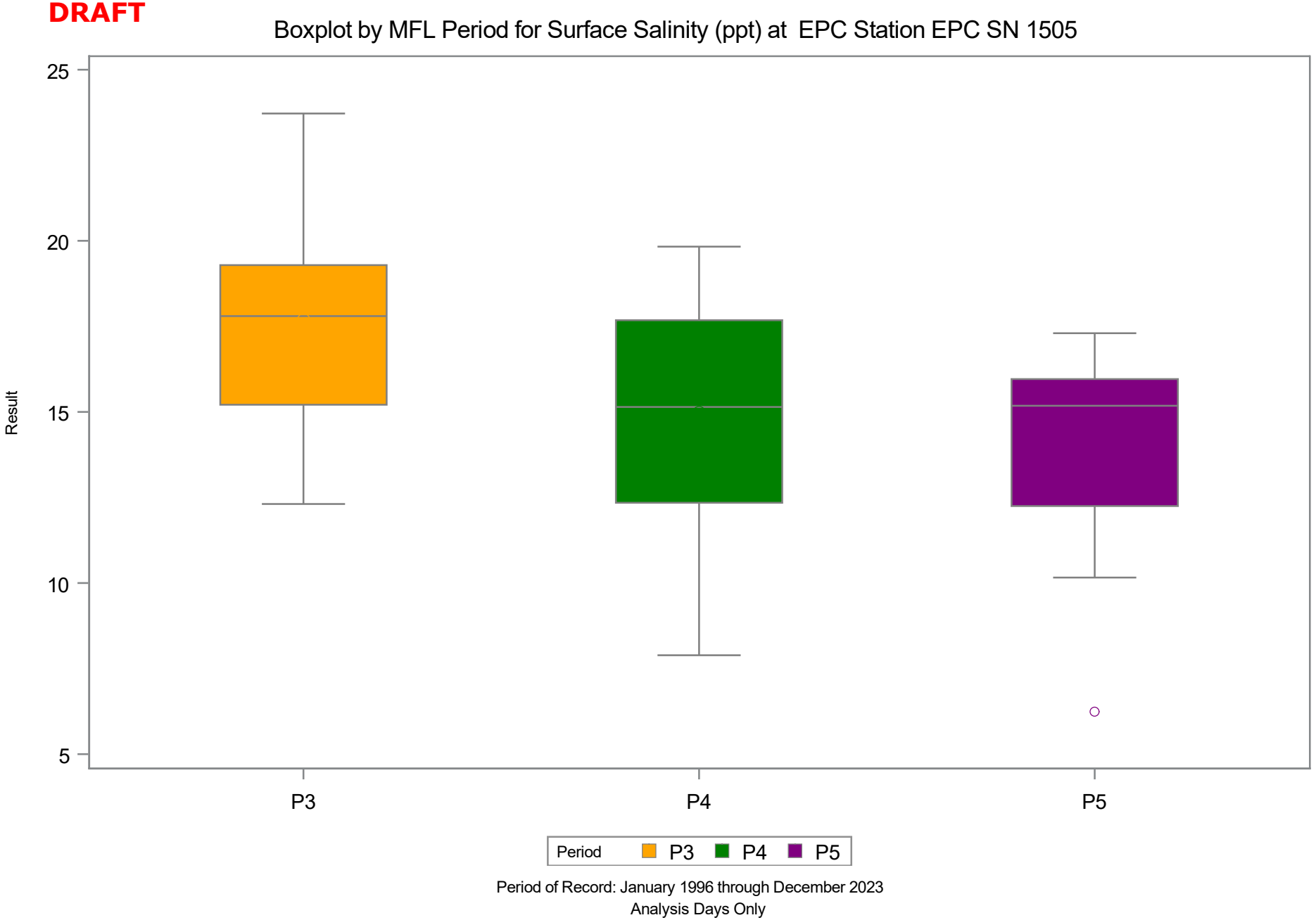
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	12.31	15.21	17.68	17.80	19.29	23.72
P4	24	7.89	12.35	14.97	15.15	17.68	19.83
P5	21	6.23	12.25	13.99	15.18	15.96	17.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1505
Result
25
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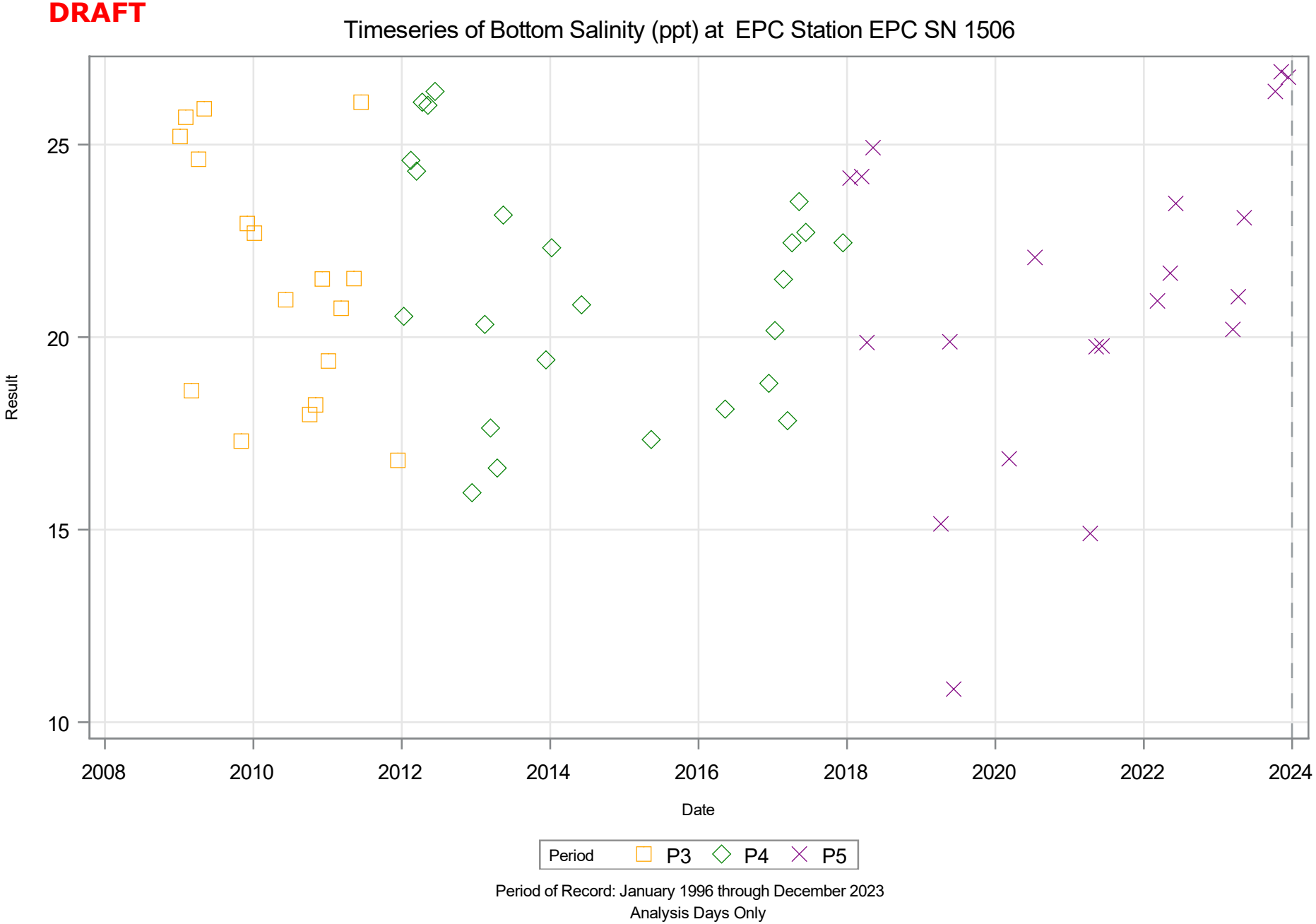
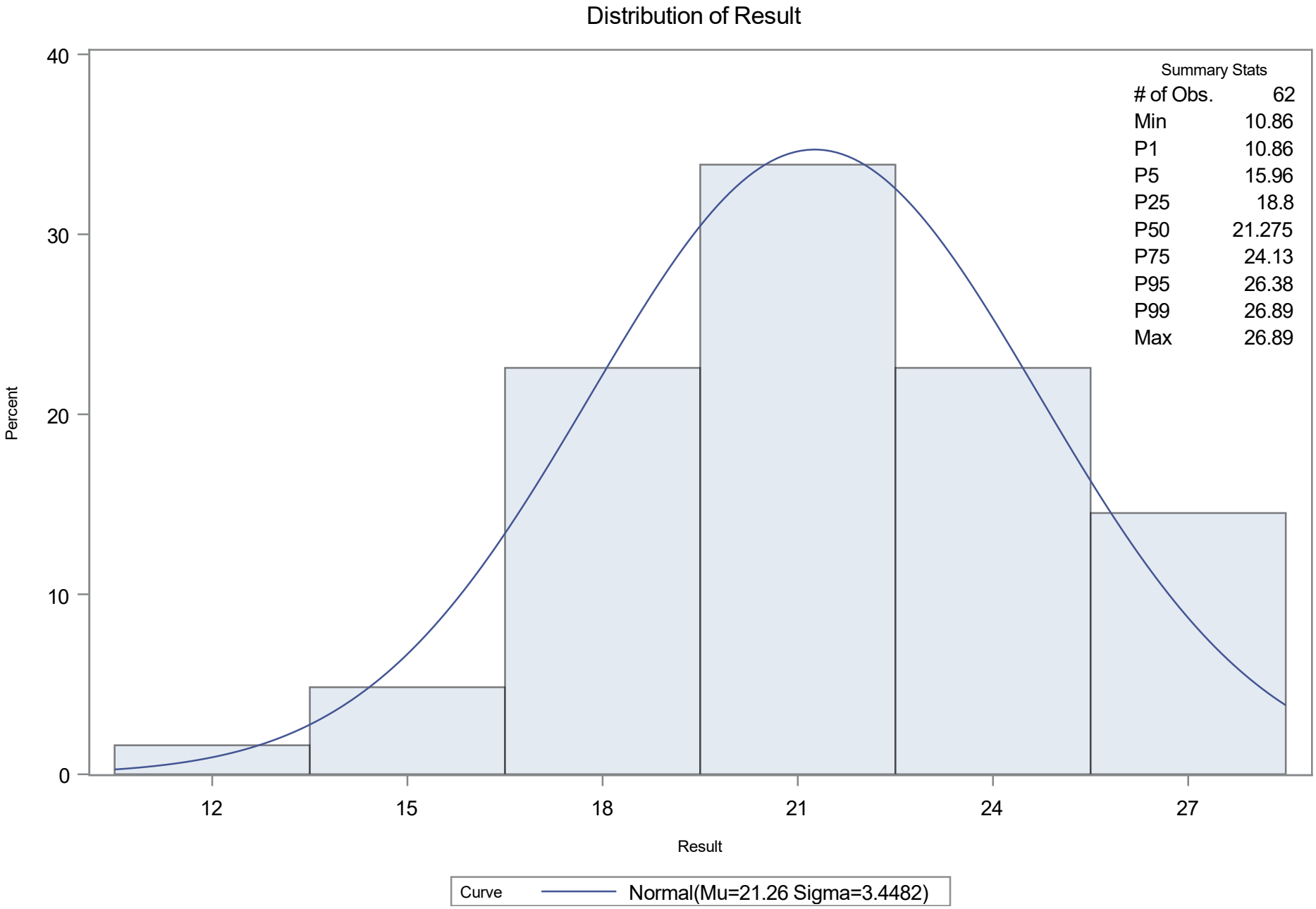
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1506
Result
25
20
15
10
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.26048
Std Dev	Sigma	3.448157

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05541322	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02639412	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27287950	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.8600	13.2389
5.0	15.9600	15.5888
10.0	16.8400	16.8415
25.0	18.8000	18.9347
50.0	21.2750	21.2605
75.0	24.1300	23.5862
90.0	26.0200	25.6795
95.0	26.3800	26.9322
99.0	26.8900	29.2821

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1506

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.80	18.61	21.55	21.51	24.62	26.10
P4	24	15.96	18.47	21.21	21.17	23.35	26.38
P5	21	10.86	19.77	21.08	21.05	24.13	26.89

Period of Record: January 1996 through December 2023
Analysis Days Only

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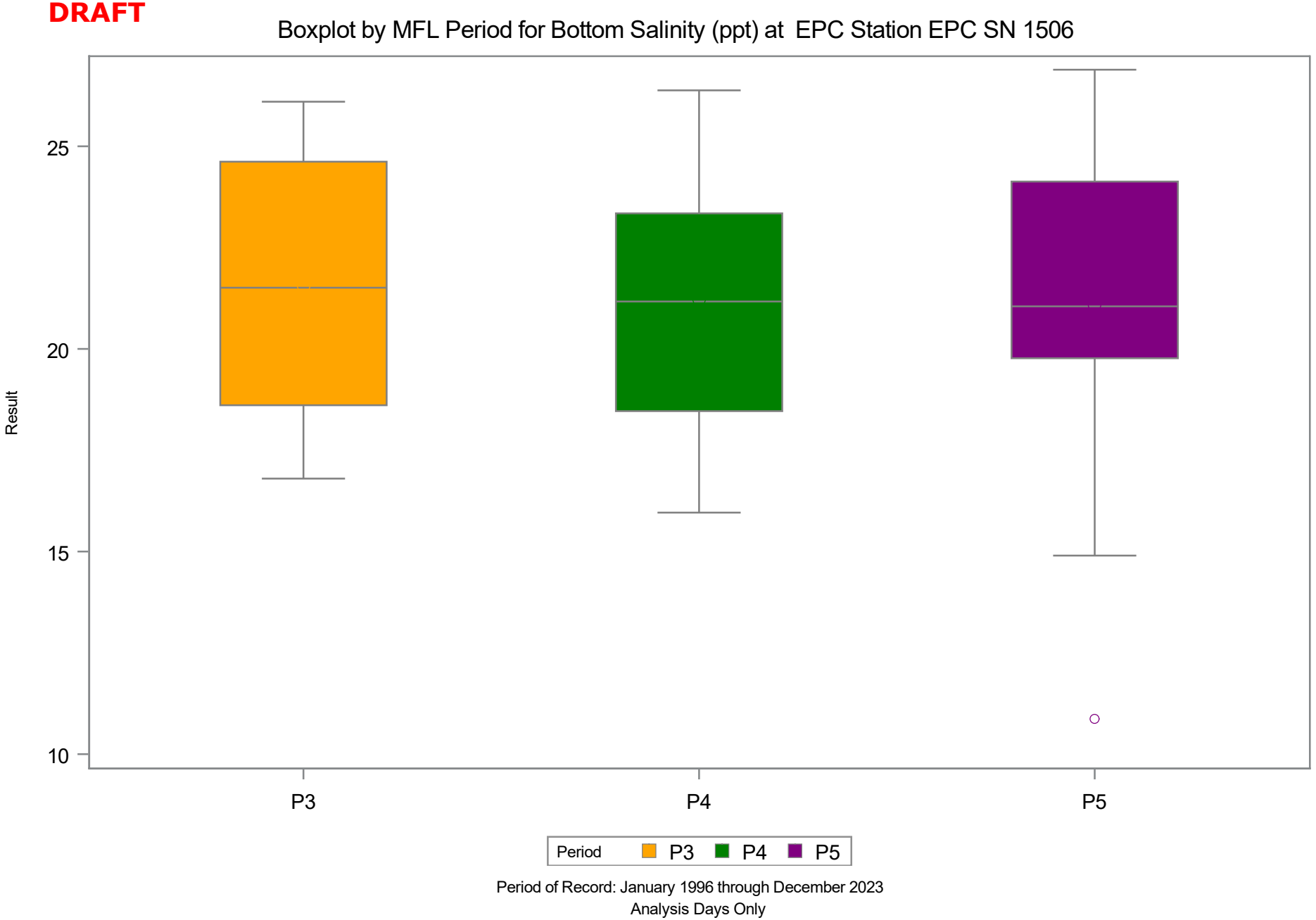
Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1506
Result
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P3
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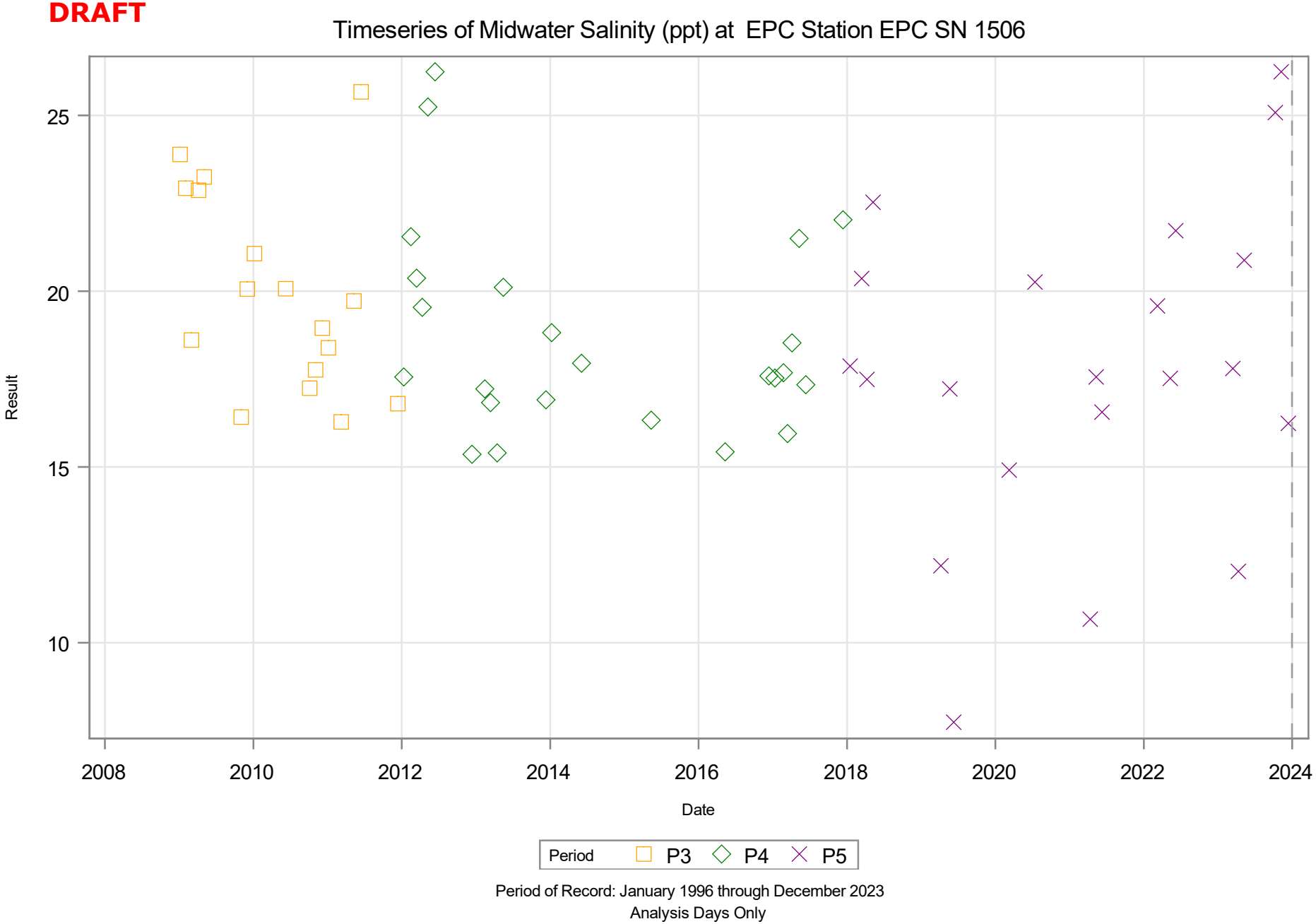
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1506
Result
25
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2008
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2016
2018
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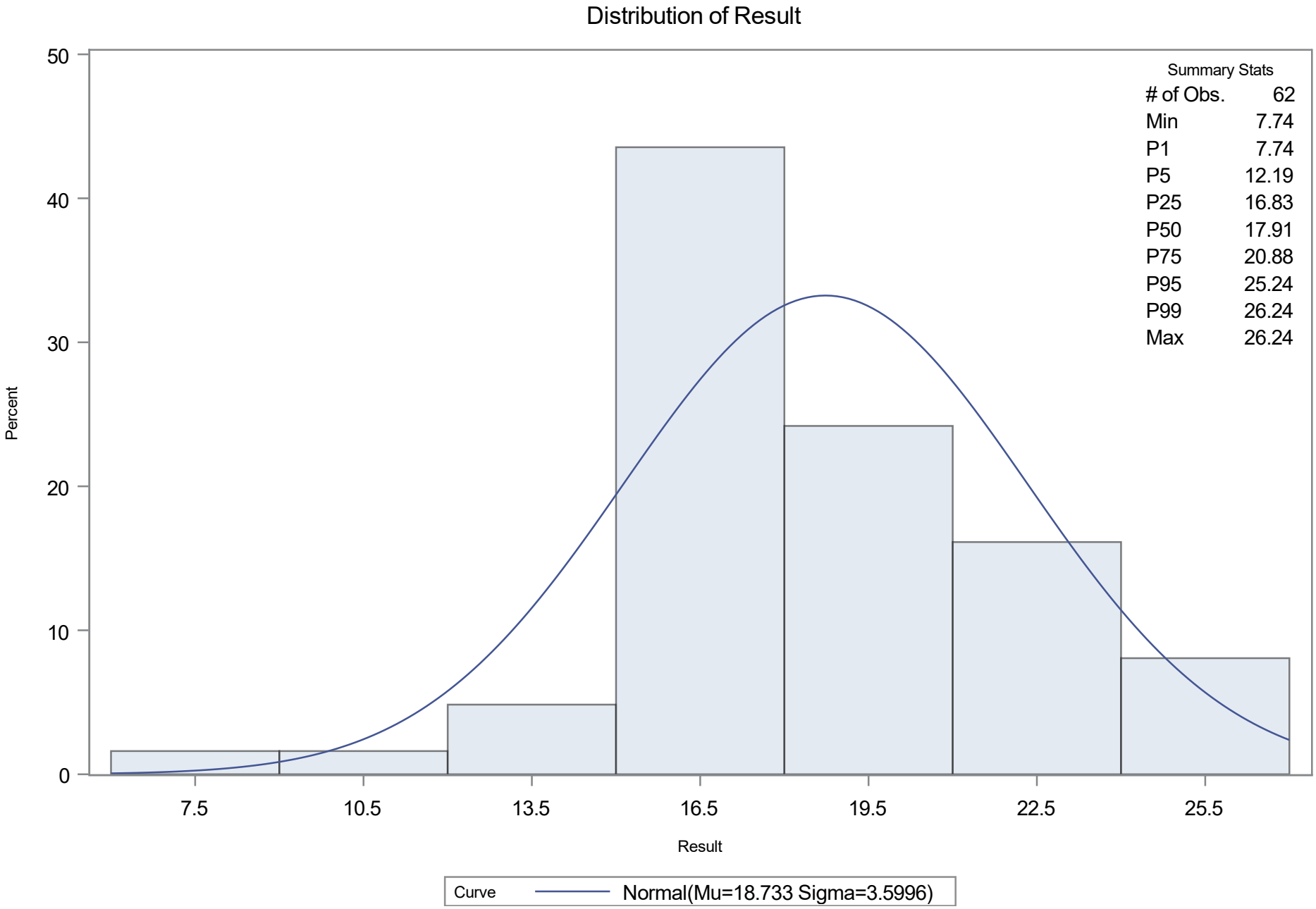
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.7329
Std Dev	Sigma	3.599638

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10221772	**Pr > D**	0.105
Cramer-von Mises	**W-Sq**	0.13979736	**Pr > W-Sq**	0.033
Anderson-Darling	**A-Sq**	0.83110546	**Pr > A-Sq**	0.031

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.74000	10.3589
5.0	12.19000	12.8120
10.0	15.40000	14.1198
25.0	16.83000	16.3050
50.0	17.91000	18.7329
75.0	20.88000	21.1608
90.0	23.25000	23.3460
95.0	25.24000	24.6538
99.0	26.24000	27.1069

Period of Record: January 1996 through December 2023
Analysis Days Only

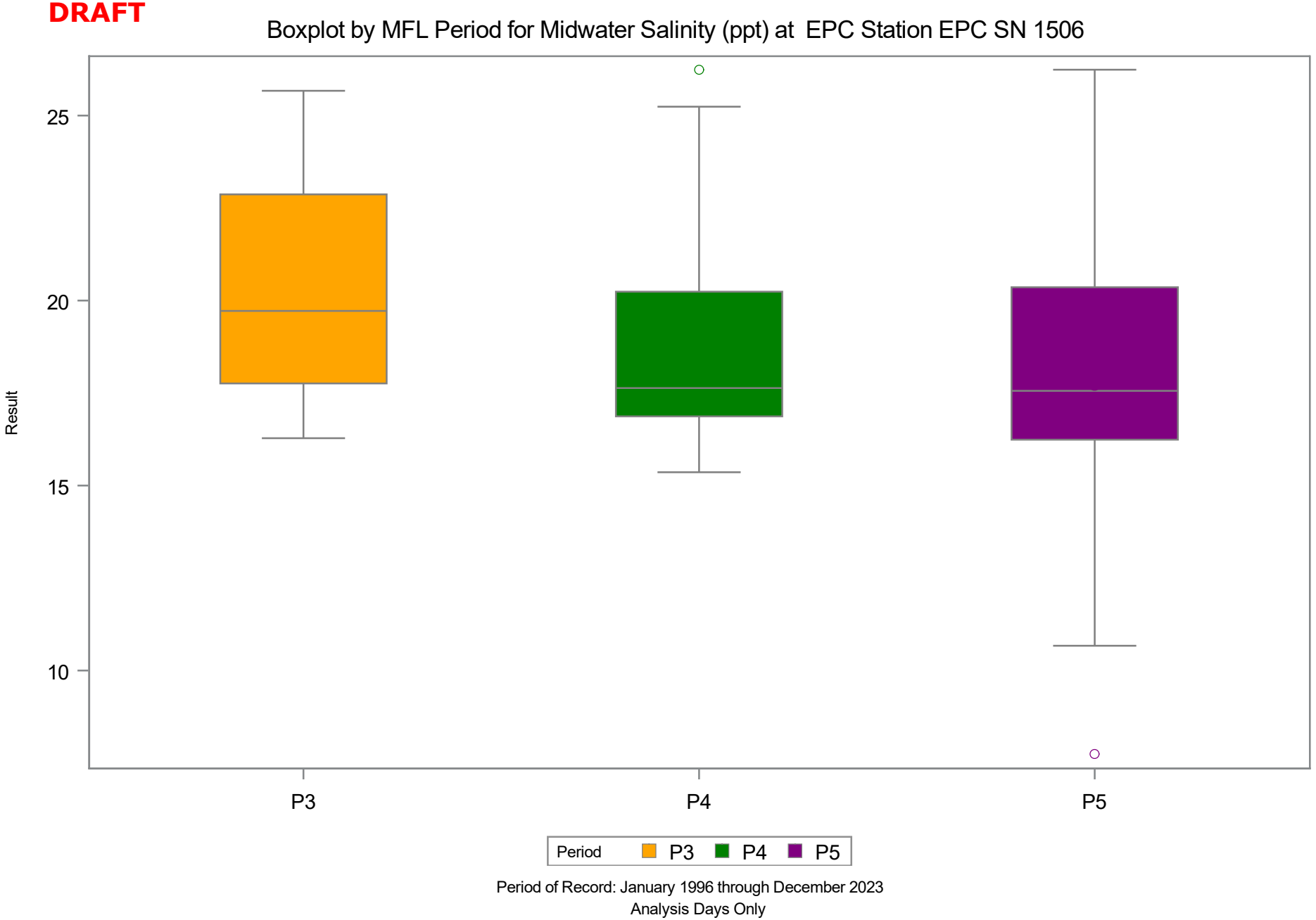
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1506

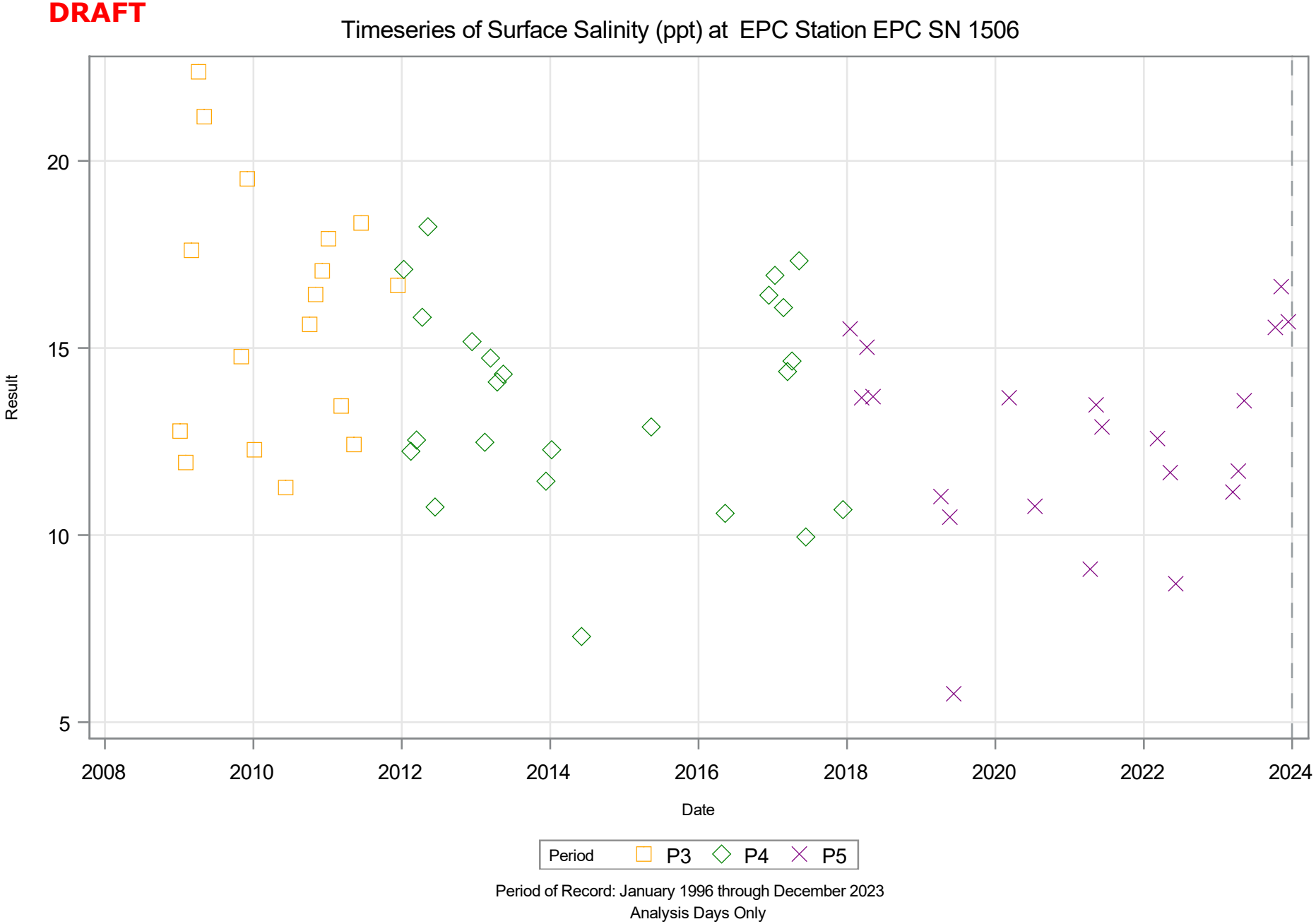
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.28	17.76	20.00	19.72	22.87	25.67
P4	24	15.36	16.87	18.71	17.64	20.24	26.24
P5	21	7.74	16.24	17.74	17.56	20.36	26.24

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1506
Result
25
20
15
10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

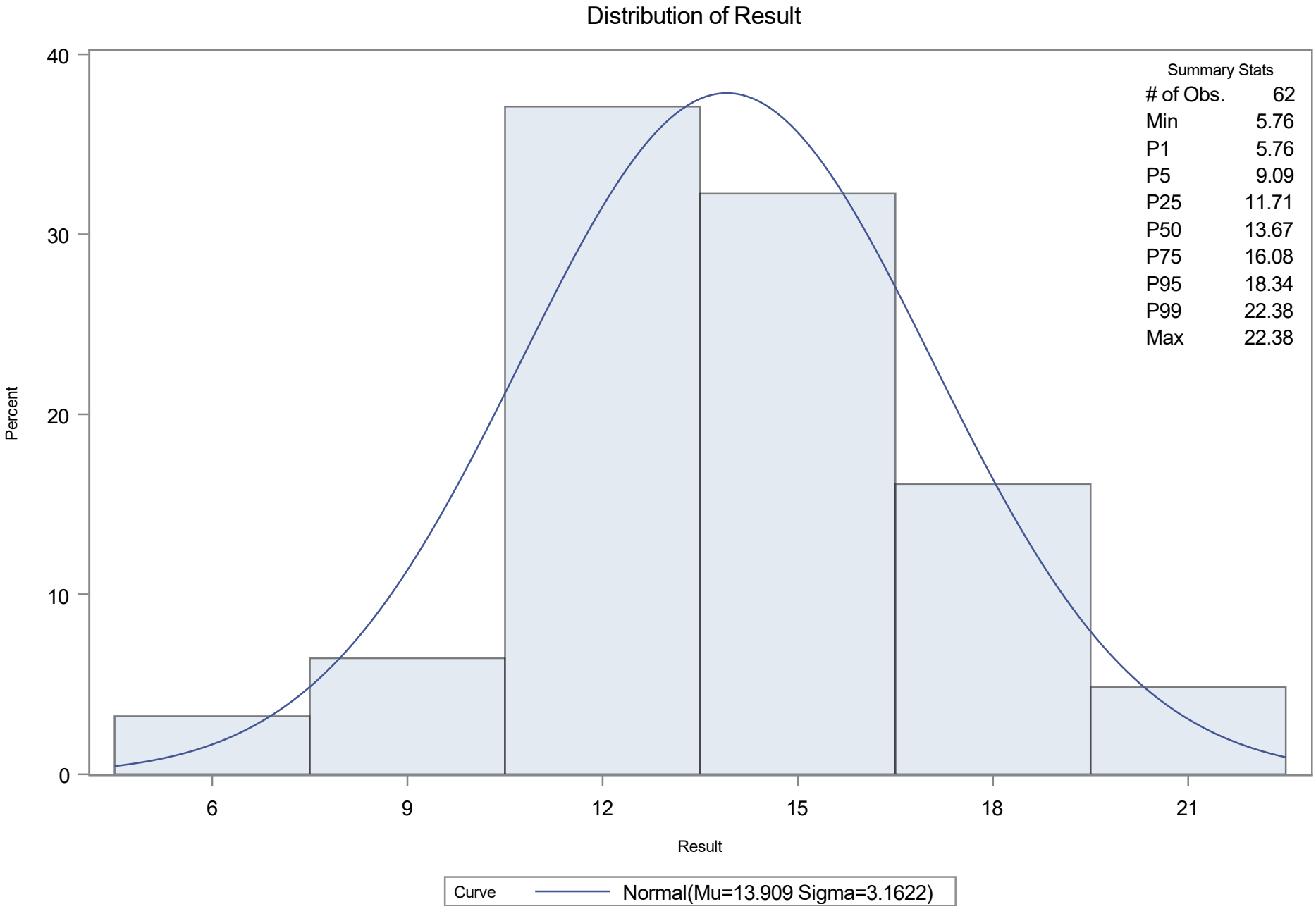
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.90903
Std Dev	Sigma	3.162247

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06185198	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02712867	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19761252	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.76000	6.55254
5.0	9.09000	8.70760
10.0	10.58000	9.85645
25.0	11.71000	11.77613
50.0	13.67000	13.90903
75.0	16.08000	16.04194
90.0	17.61000	17.96162
95.0	18.34000	19.11047
99.0	22.38000	21.26552

Period of Record: January 1996 through December 2023
Analysis Days Only

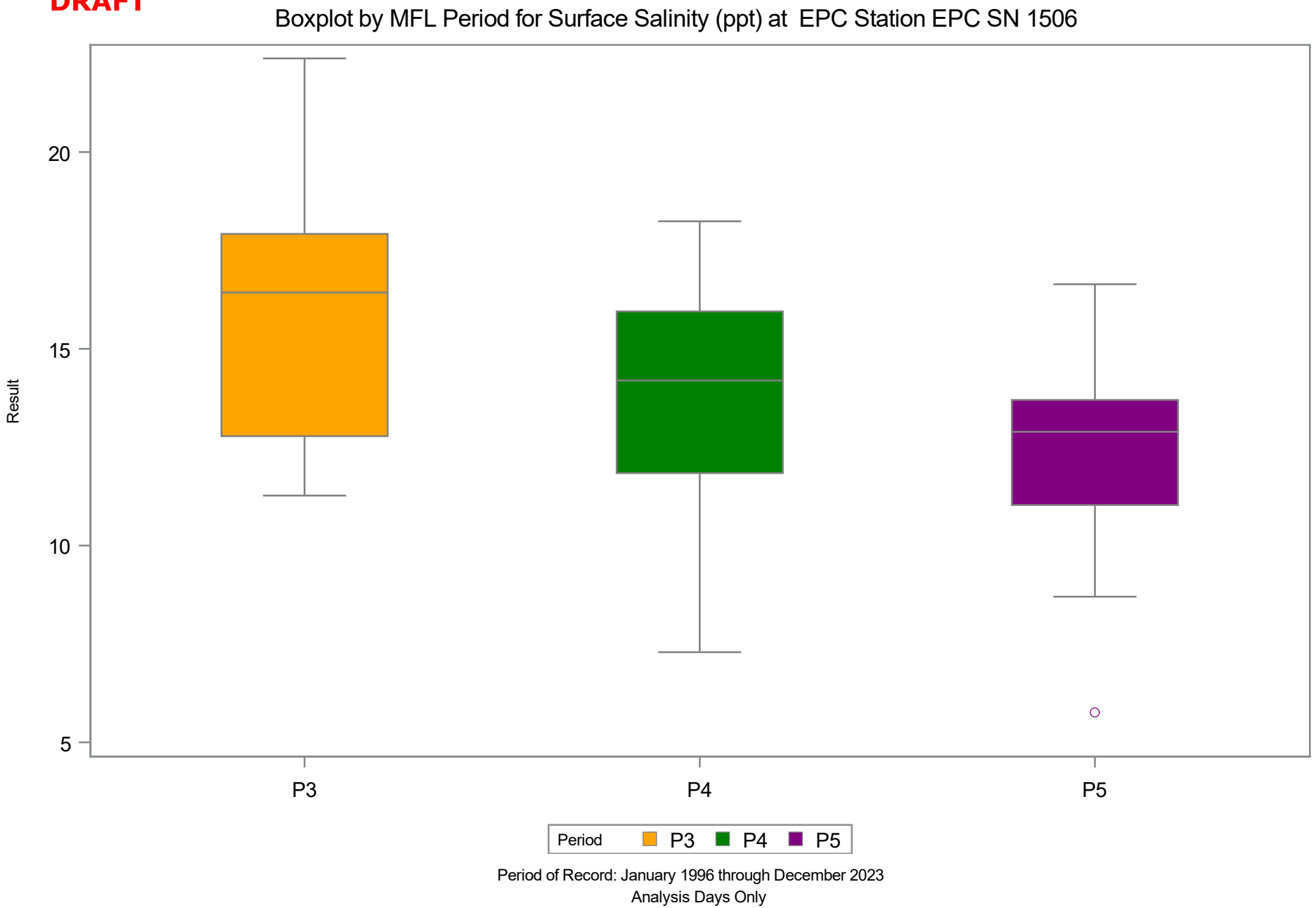
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1506

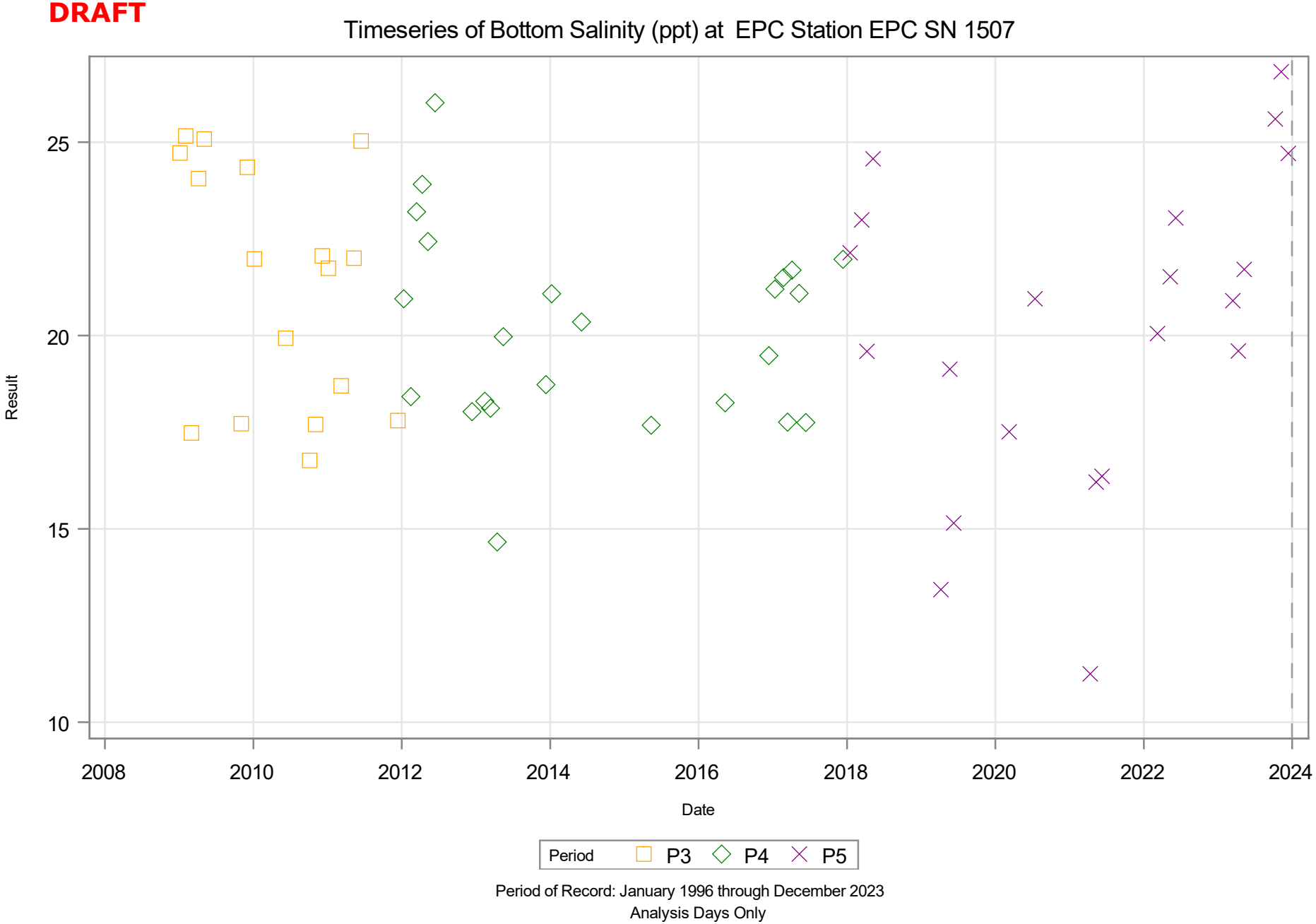
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	11.27	12.78	15.98	16.43	17.92	22.38
P4	24	7.29	11.84	13.68	14.20	15.95	18.24
P5	21	5.76	11.03	12.49	12.89	13.70	16.64

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

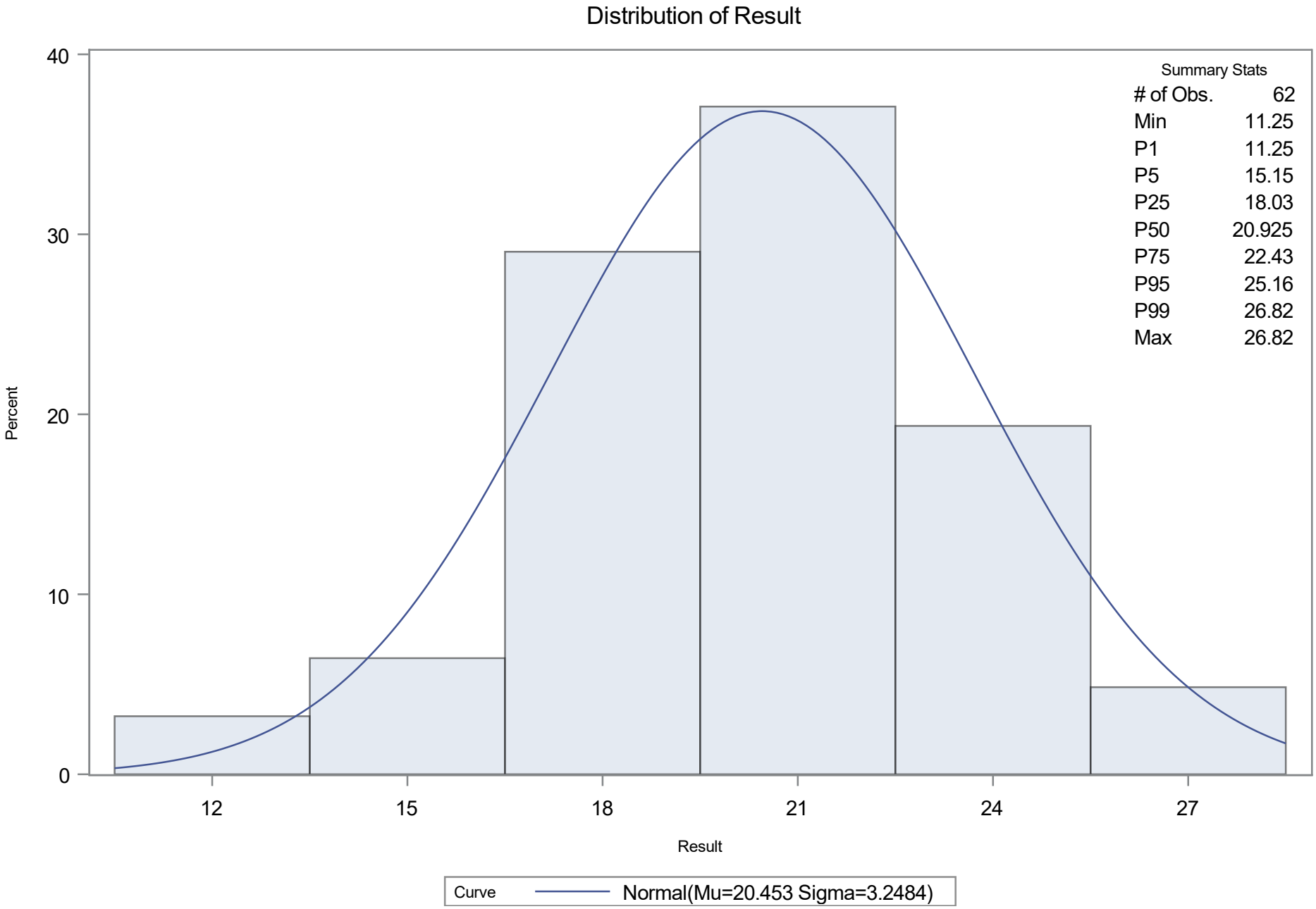

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1506
Result
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1507
Result
25
20
15
10
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20.45258
Std Dev	Sigma	3.248426

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07090379	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04787494	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33281610	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.2500	12.8956
5.0	15.1500	15.1094
10.0	16.7700	16.2896
25.0	18.0300	18.2616
50.0	20.9250	20.4526
75.0	22.4300	22.6436
90.0	24.7200	24.6156
95.0	25.1600	25.7958
99.0	26.8200	28.0095

Period of Record: January 1996 through December 2023
Analysis Days Only

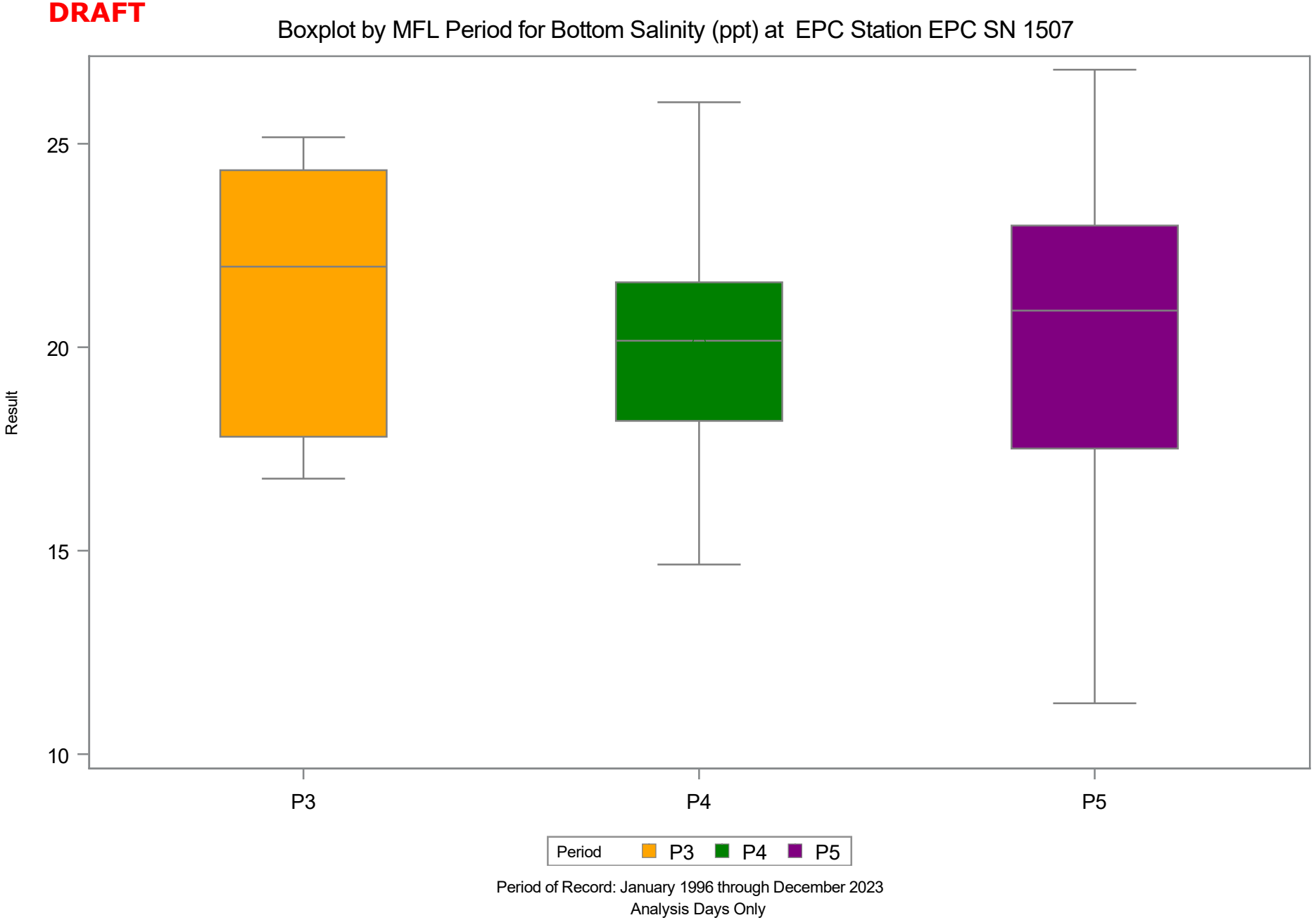
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1507

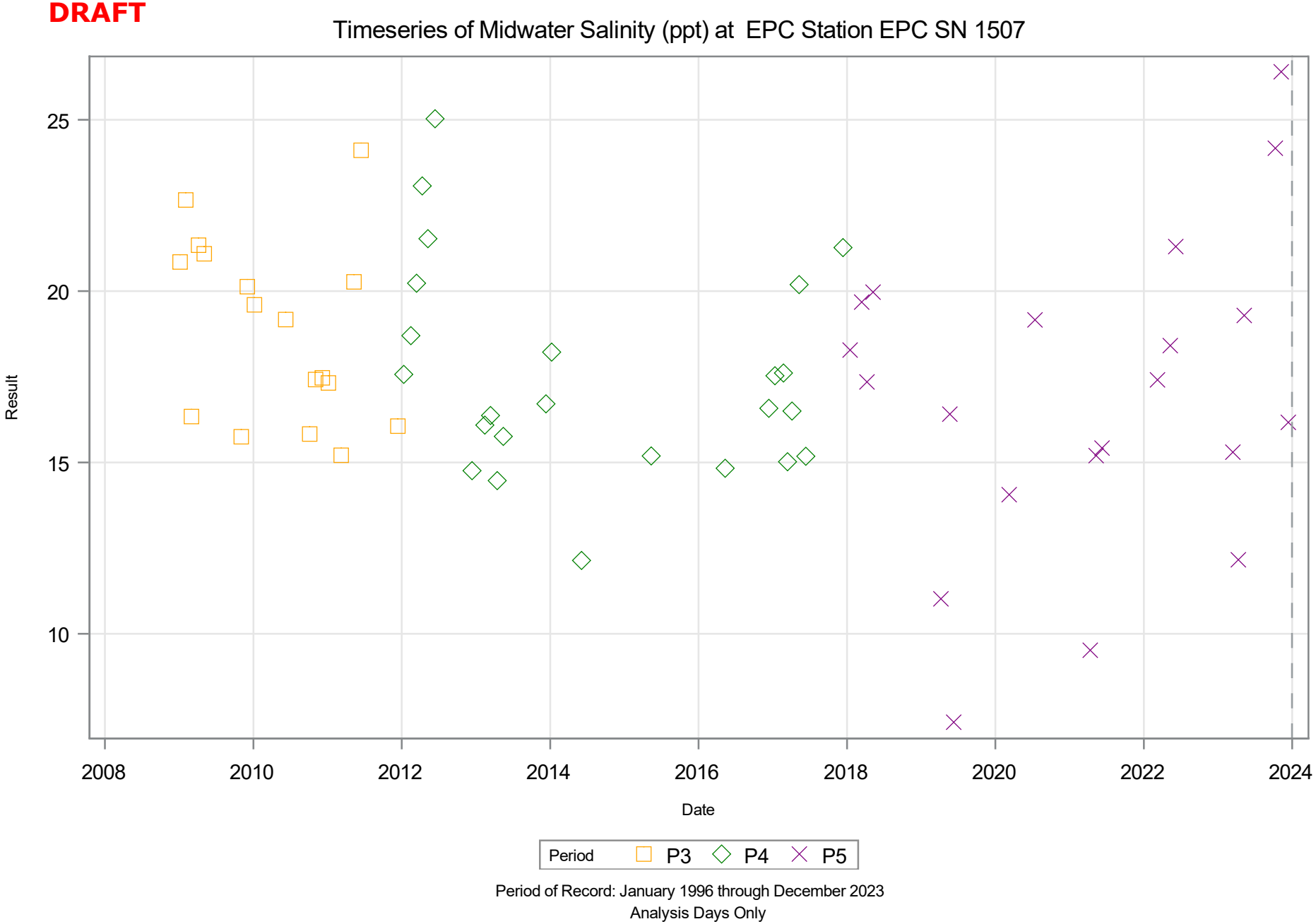
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.77	17.80	21.31	21.98	24.35	25.16
P4	24	14.66	18.19	20.11	20.16	21.60	26.02
P5	21	11.25	17.51	20.15	20.90	22.99	26.82

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

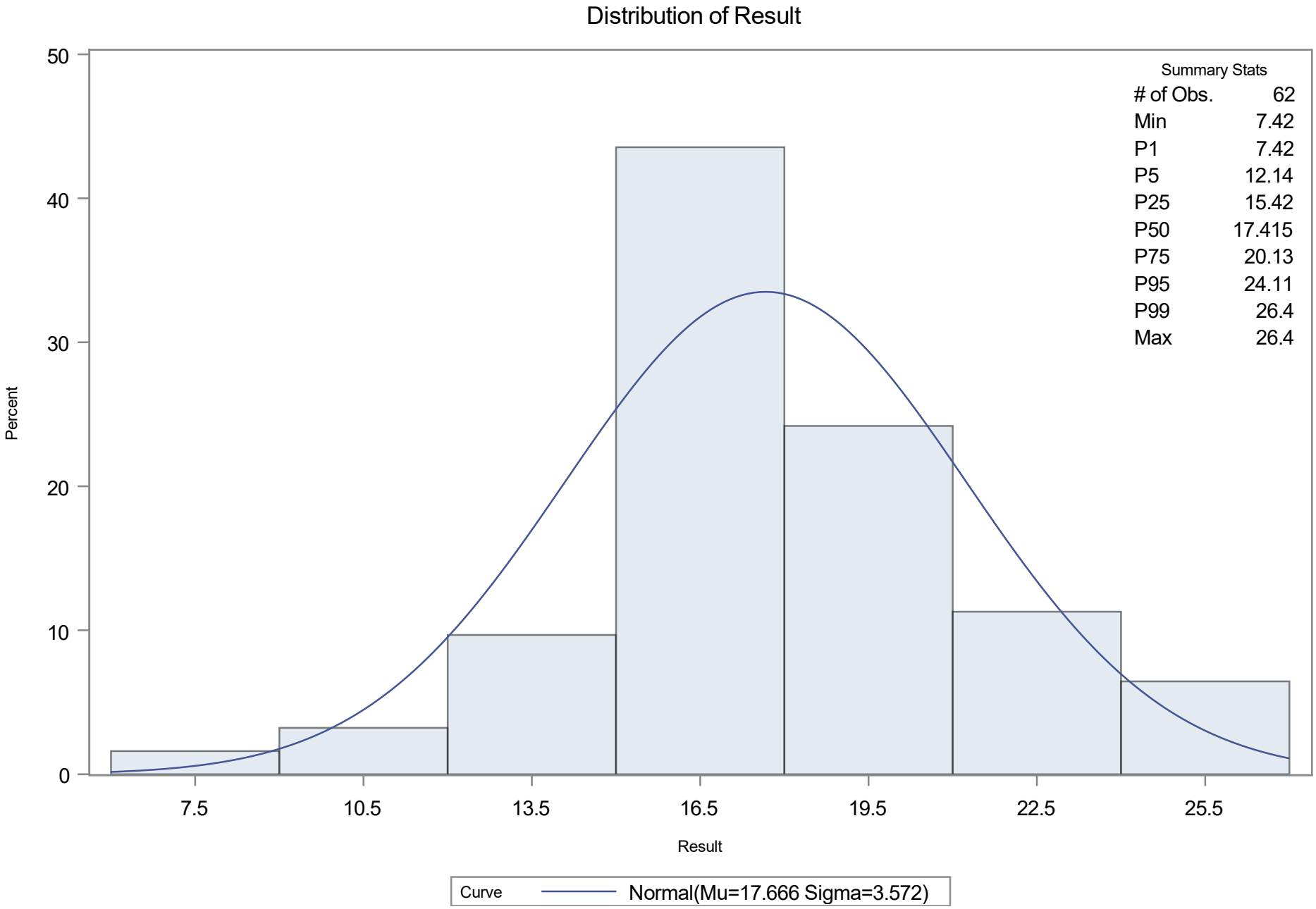

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1507
Result
25
20
15
10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1507
Result
25
20
15
10
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.66565
Std Dev	Sigma	3.571973

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09507493	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07988771	**Pr > W-Sq**	0.212
Anderson-Darling	**A-Sq**	0.50161676	**Pr > A-Sq**	0.208

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	7.42000	9.35599
5.0	12.14000	11.79027
10.0	14.47000	13.08798
25.0	15.42000	15.25639
50.0	17.41500	17.66565
75.0	20.13000	20.07490
90.0	21.53000	22.24331
95.0	24.11000	23.54102
99.0	26.40000	25.97530

Period of Record: January 1996 through December 2023
Analysis Days Only

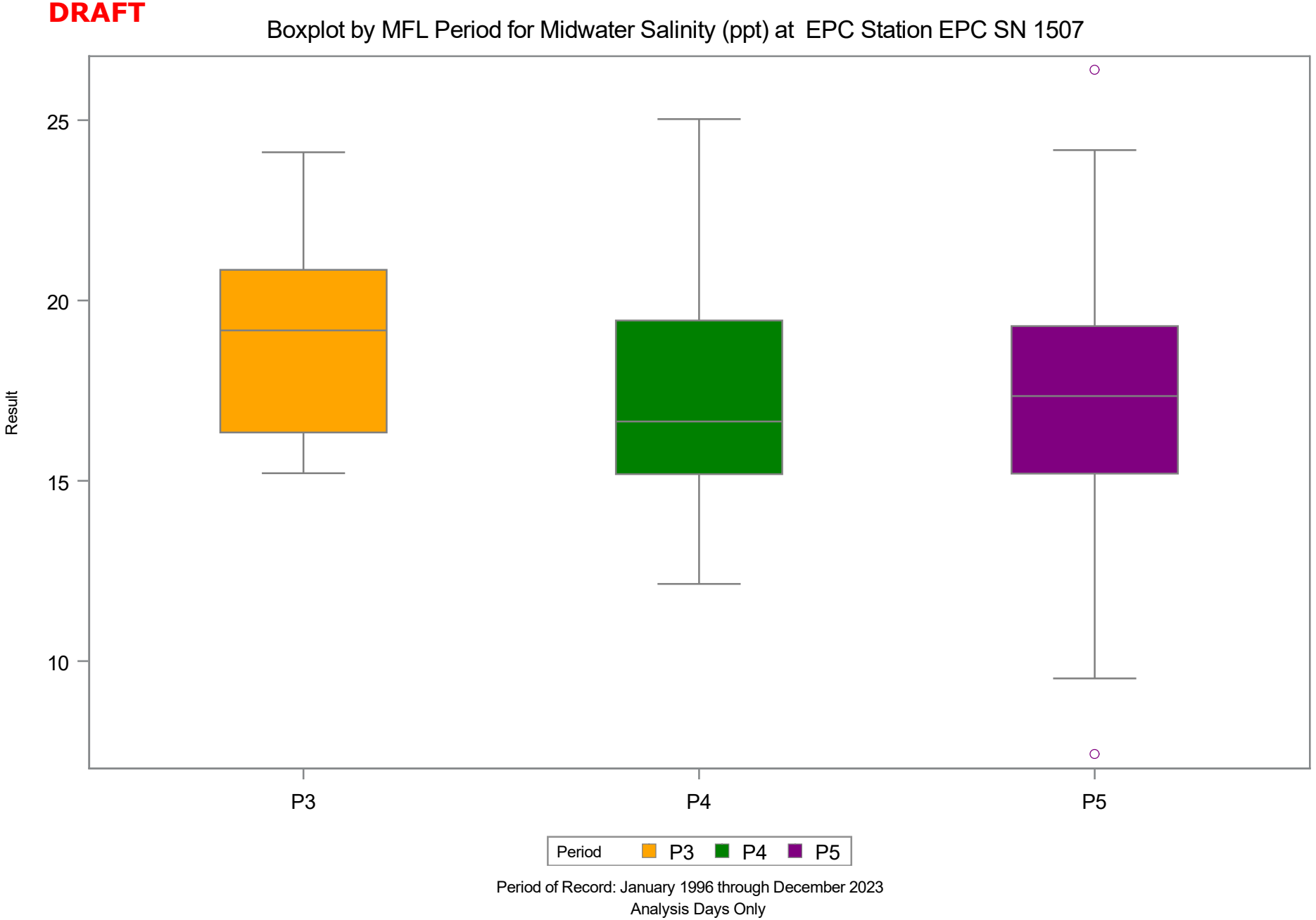
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1507

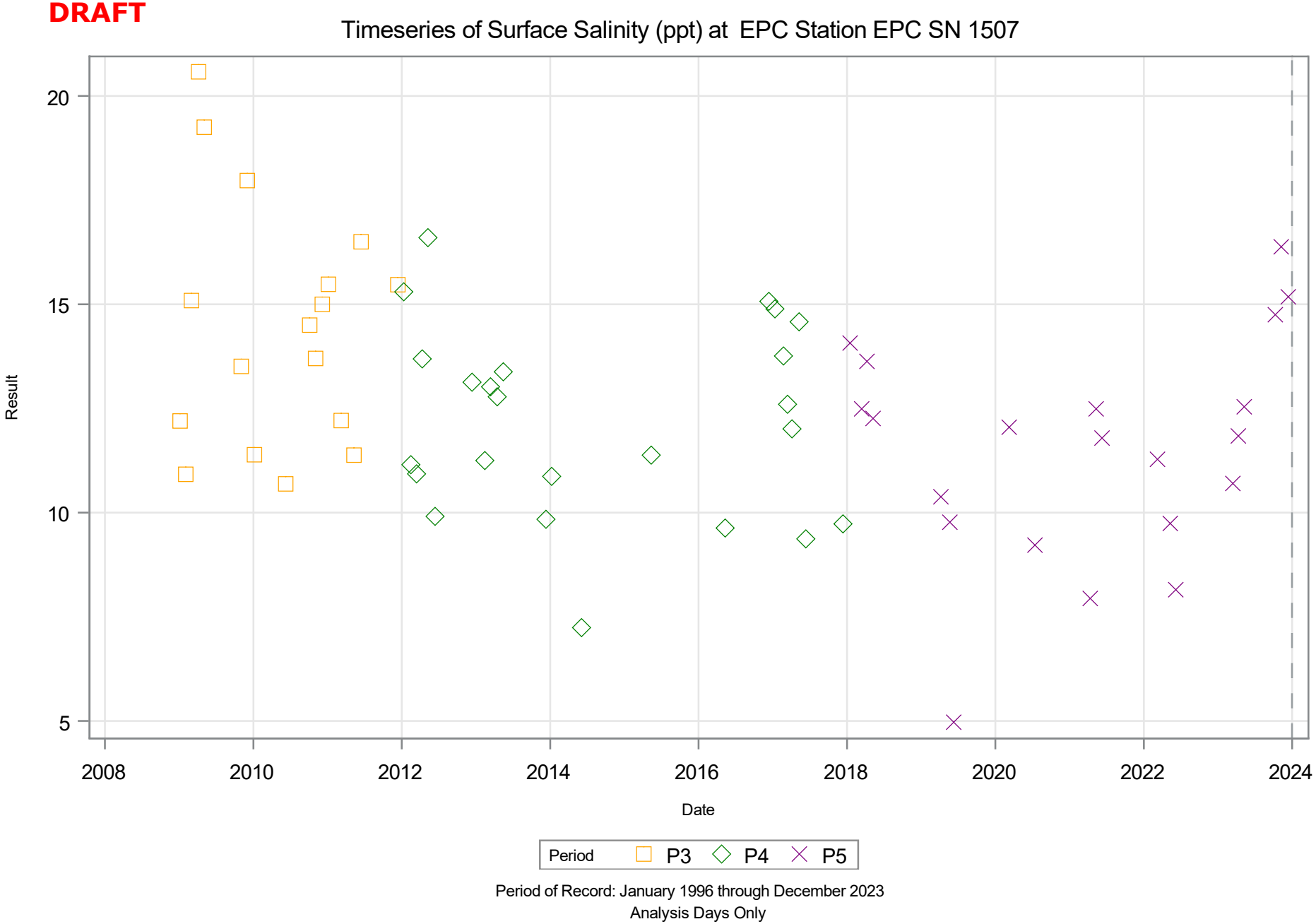
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.21	16.34	18.86	19.17	20.85	24.11
P4	24	12.14	15.19	17.52	16.65	19.45	25.03
P5	21	7.42	15.20	16.86	17.35	19.29	26.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

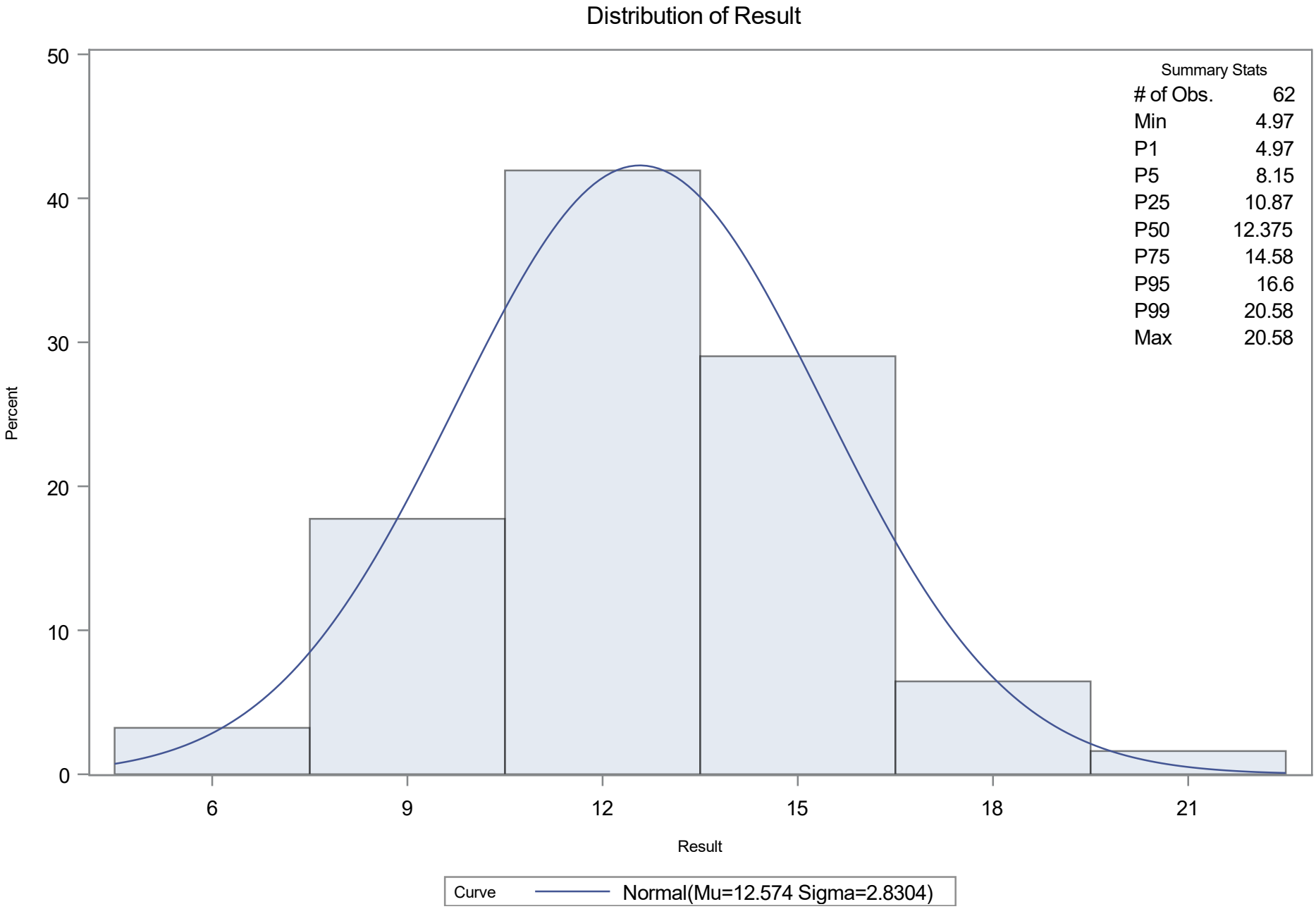

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1507
Result
25
20
15
10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 1507
Result
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.57371
Std Dev	Sigma	2.830407

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06081059	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03709017	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27171880	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.97000	5.98920
5.0	8.15000	7.91810
10.0	9.63000	8.94640
25.0	10.87000	10.66463
50.0	12.37500	12.57371
75.0	14.58000	14.48279
90.0	15.48000	16.20102
95.0	16.60000	17.22931
99.0	20.58000	19.15822

Period of Record: January 1996 through December 2023
Analysis Days Only

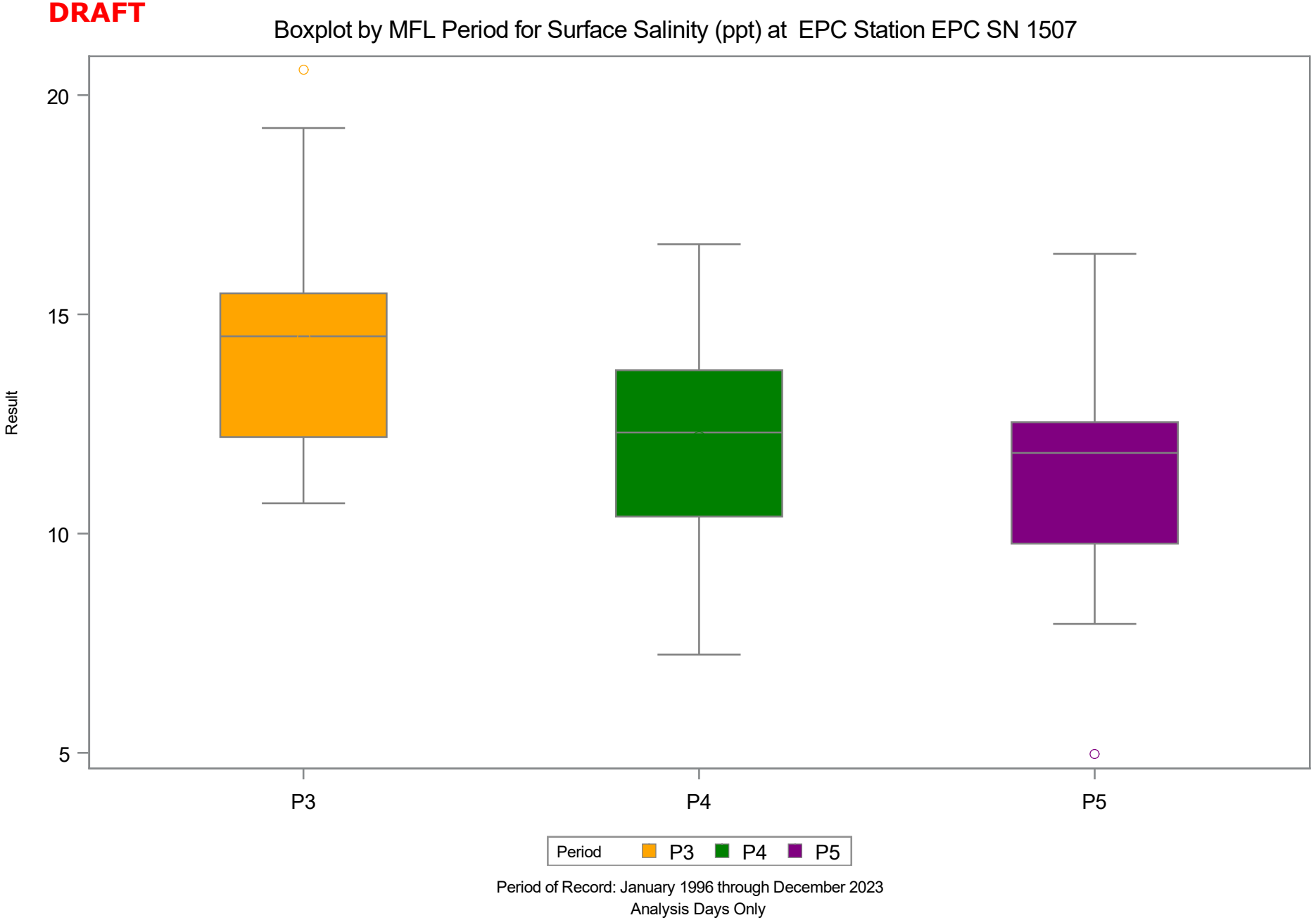
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1507

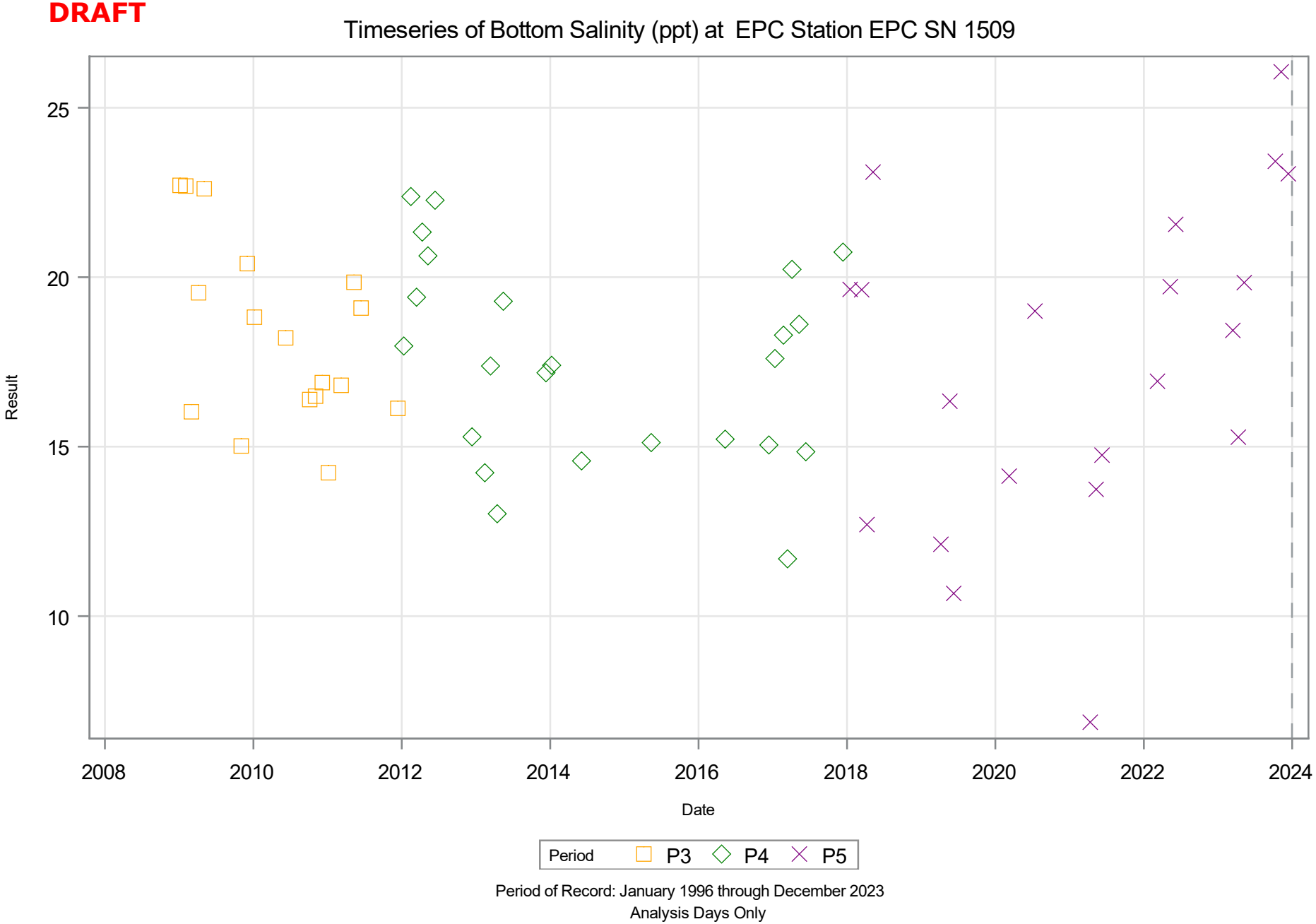
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	10.69	12.20	14.46	14.50	15.48	20.58
P4	24	7.24	10.39	12.17	12.31	13.73	16.60
P5	21	4.97	9.77	11.51	11.84	12.54	16.38

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

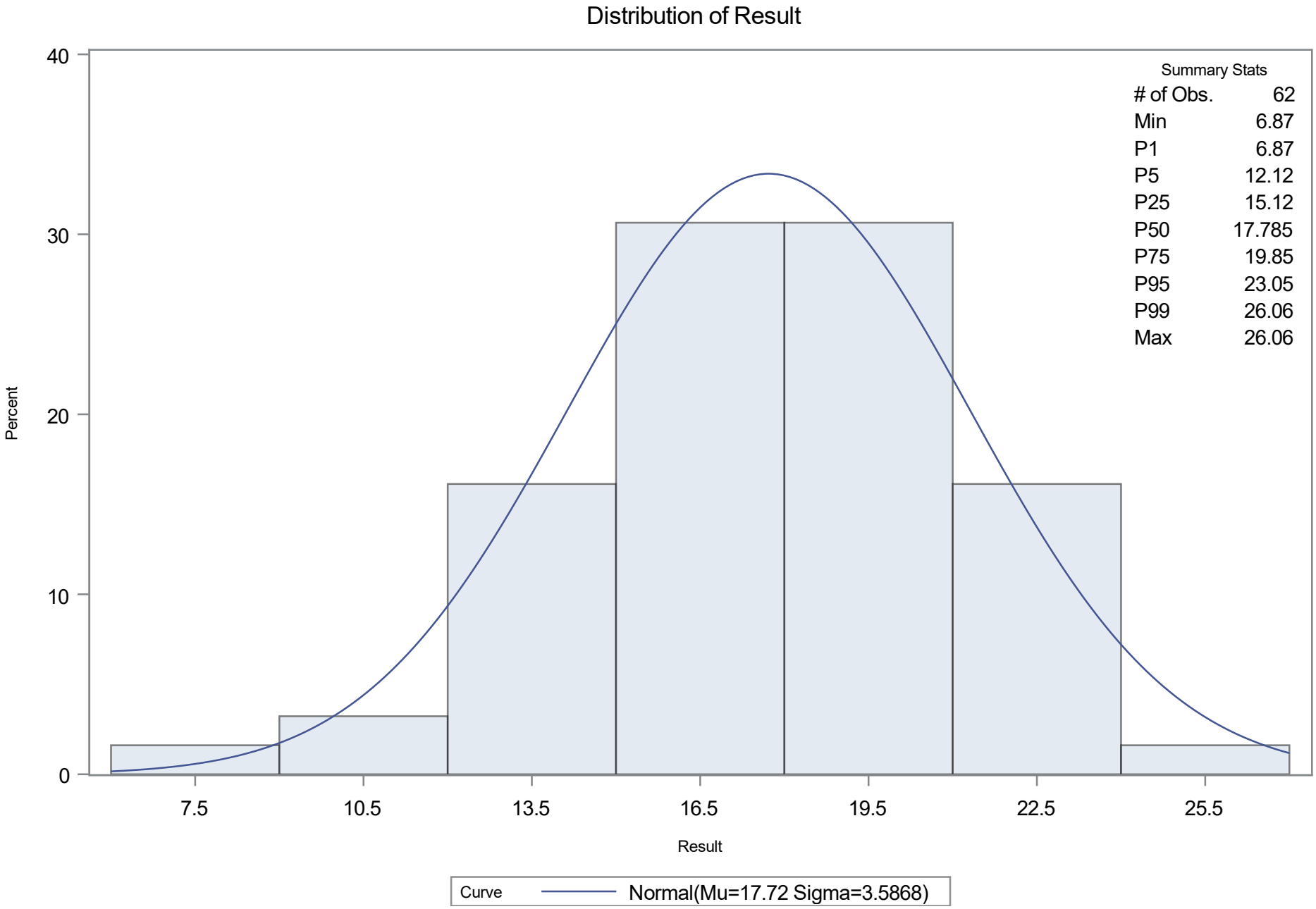

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1507
Result
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1509
Result
25
20
15
10
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.72016
Std Dev	Sigma	3.586844

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05741383	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02507675	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20420272	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.87000	9.37592
5.0	12.12000	11.82033
10.0	13.74000	13.12344
25.0	15.12000	15.30087
50.0	17.78500	17.72016
75.0	19.85000	20.13945
90.0	22.61000	22.31689
95.0	23.05000	23.61999
99.0	26.06000	26.06441

Period of Record: January 1996 through December 2023
Analysis Days Only

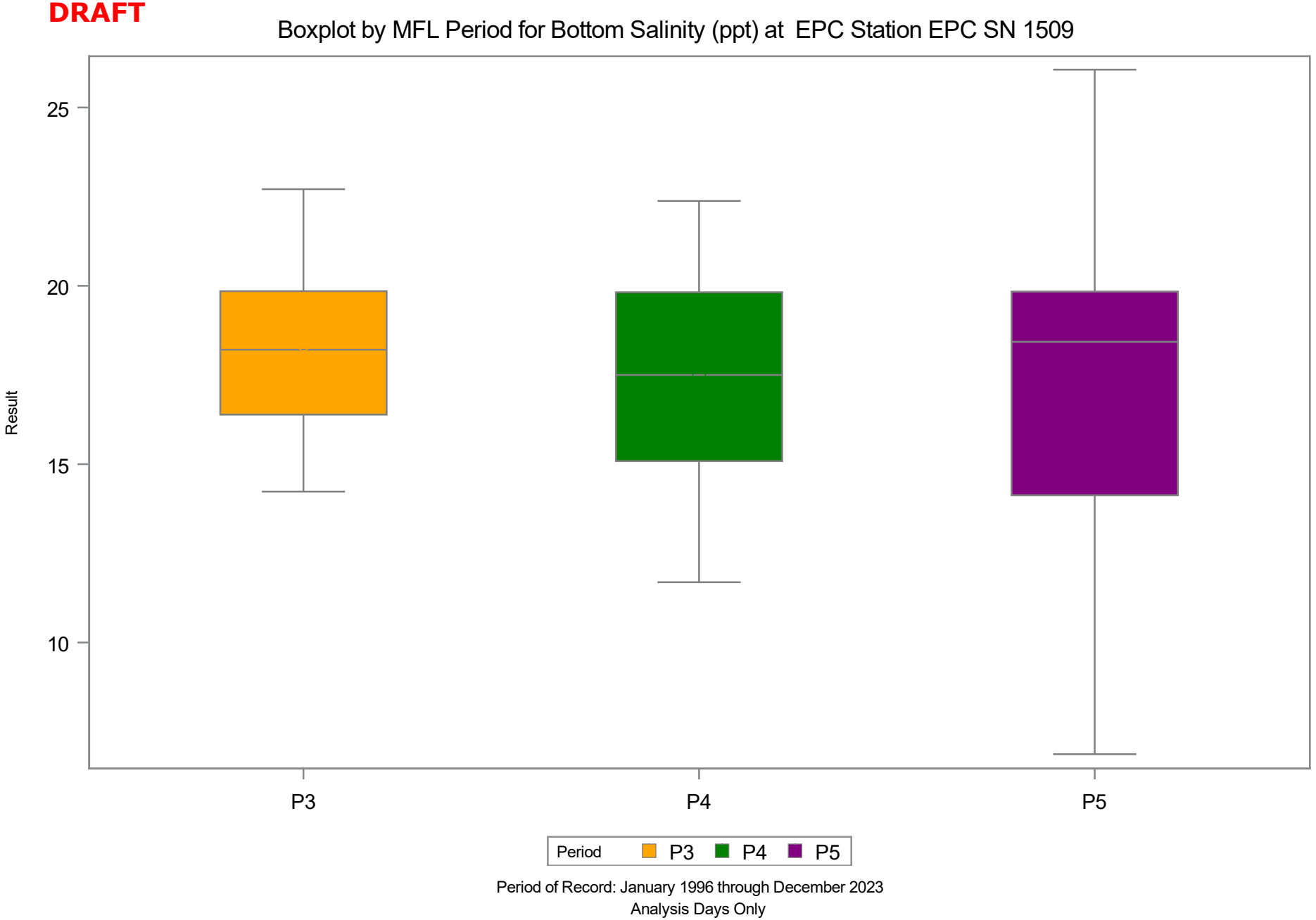
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1509

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.23	16.39	18.35	18.21	19.85	22.71
P4	24	11.69	15.09	17.49	17.50	19.82	22.38
P5	21	6.87	14.13	17.48	18.43	19.84	26.06

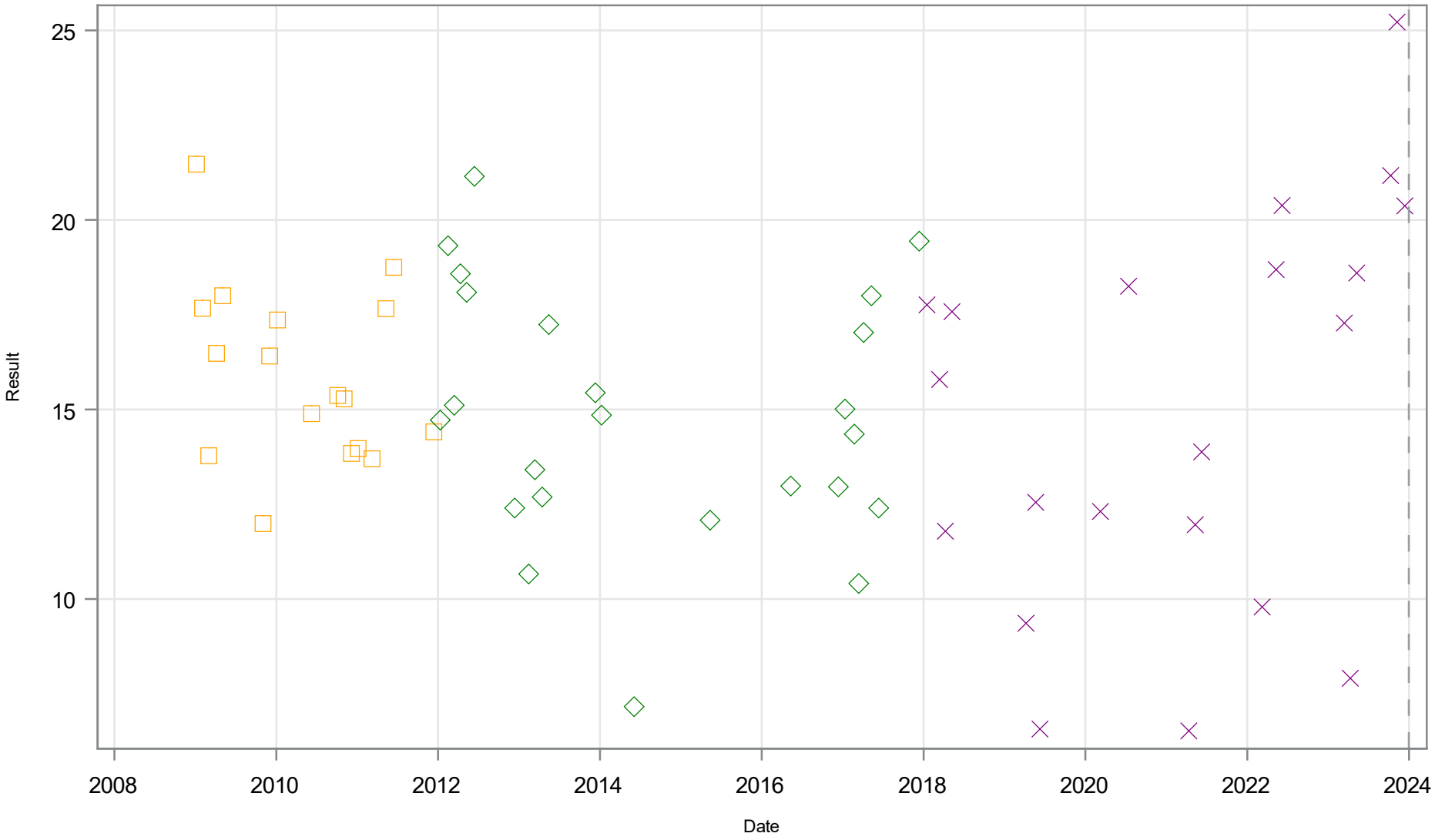
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1509
Result
25
20
15
10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

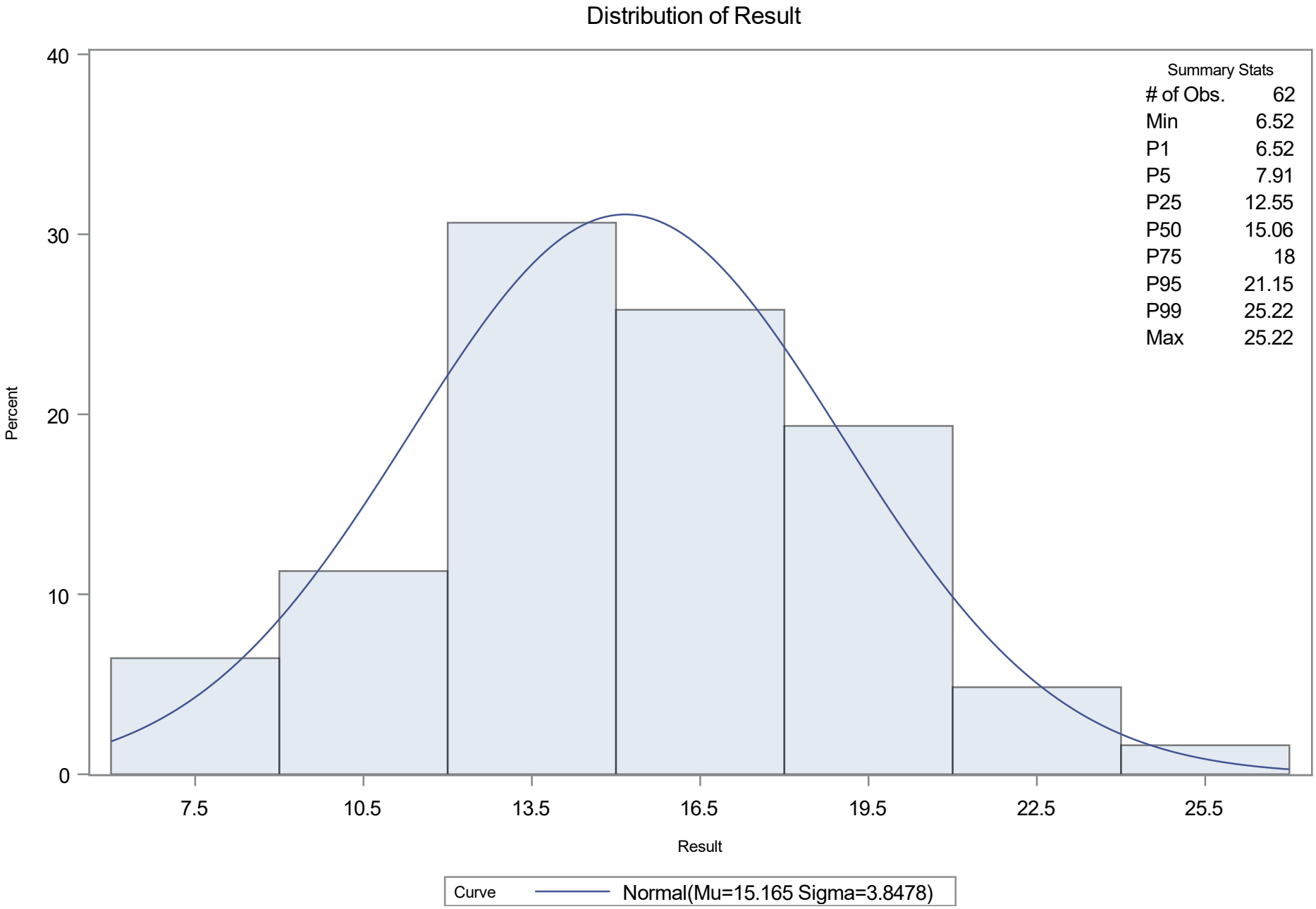
Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.16516
Std Dev	Sigma	3.847774

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07610397	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04099032	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.29696968	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.52000	6.21390
5.0	7.91000	8.83614
10.0	10.41000	10.23404
25.0	12.55000	12.56988
50.0	15.06000	15.16516
75.0	18.00000	17.76045
90.0	19.44000	20.09628
95.0	21.15000	21.49419
99.0	25.22000	24.11642

Period of Record: January 1996 through December 2023
Analysis Days Only

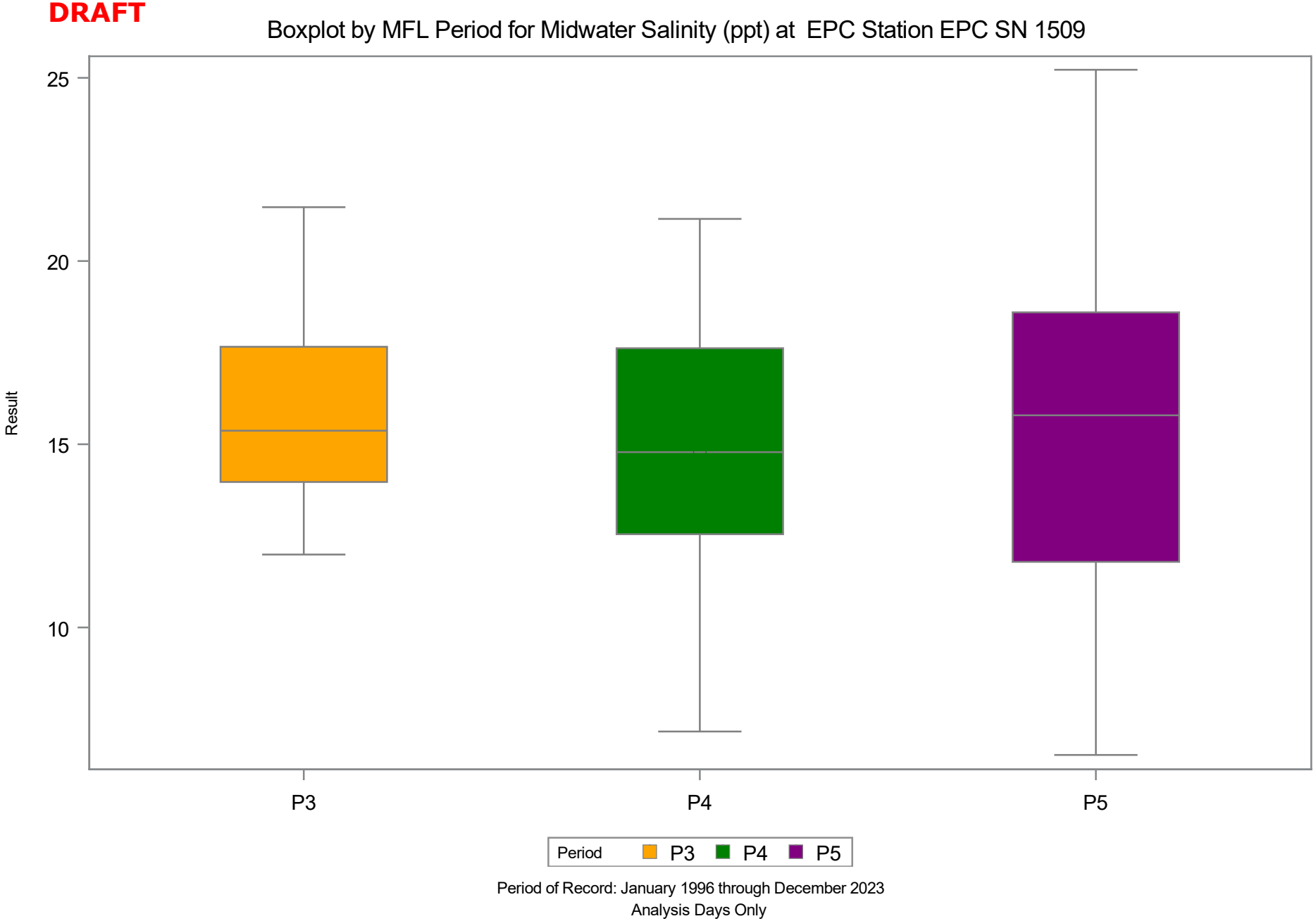
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1509

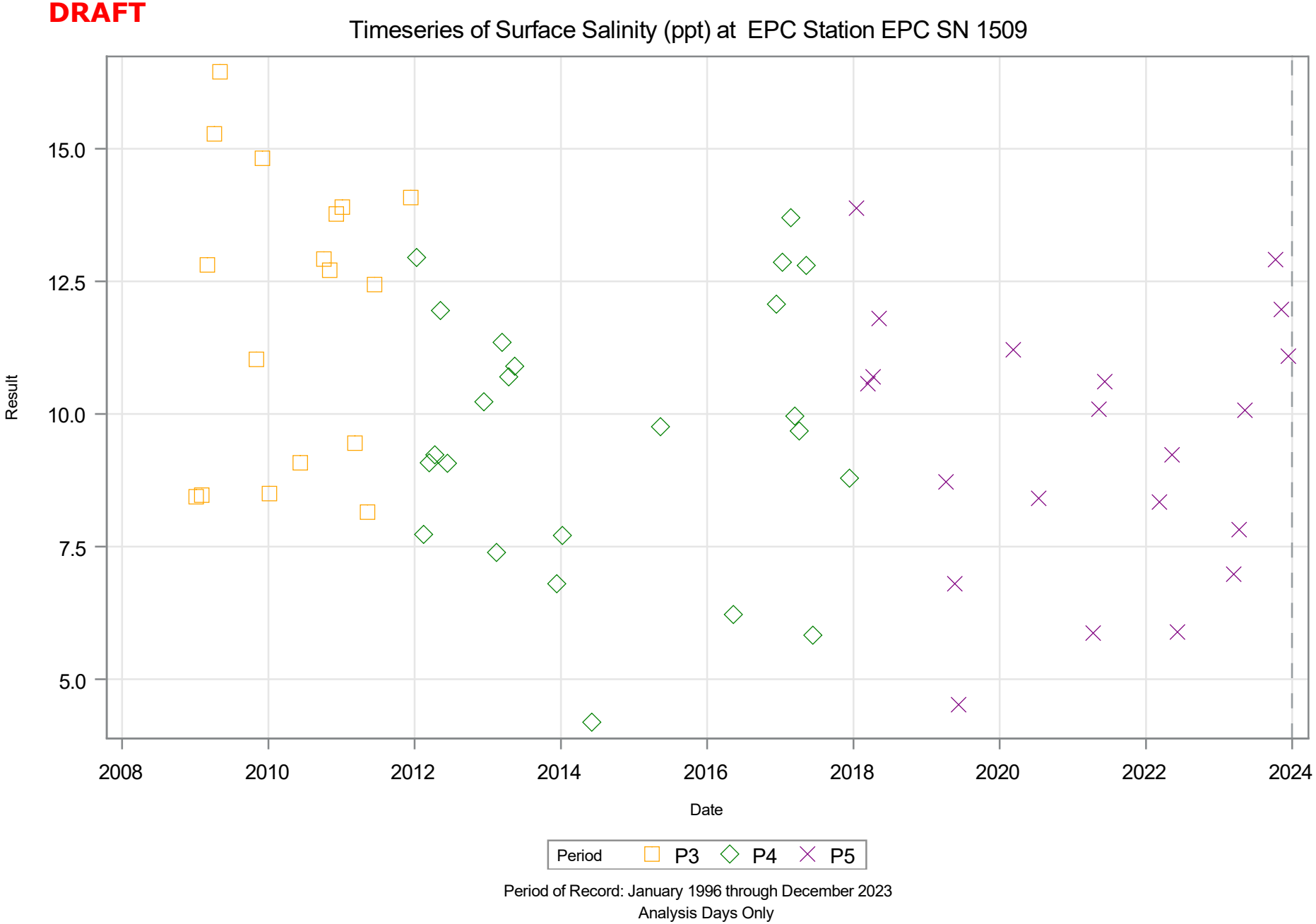
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	11.99	13.97	15.94	15.37	17.66	21.47
P4	24	7.16	12.55	14.81	14.79	17.62	21.15
P5	21	6.52	11.79	14.94	15.79	18.60	25.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

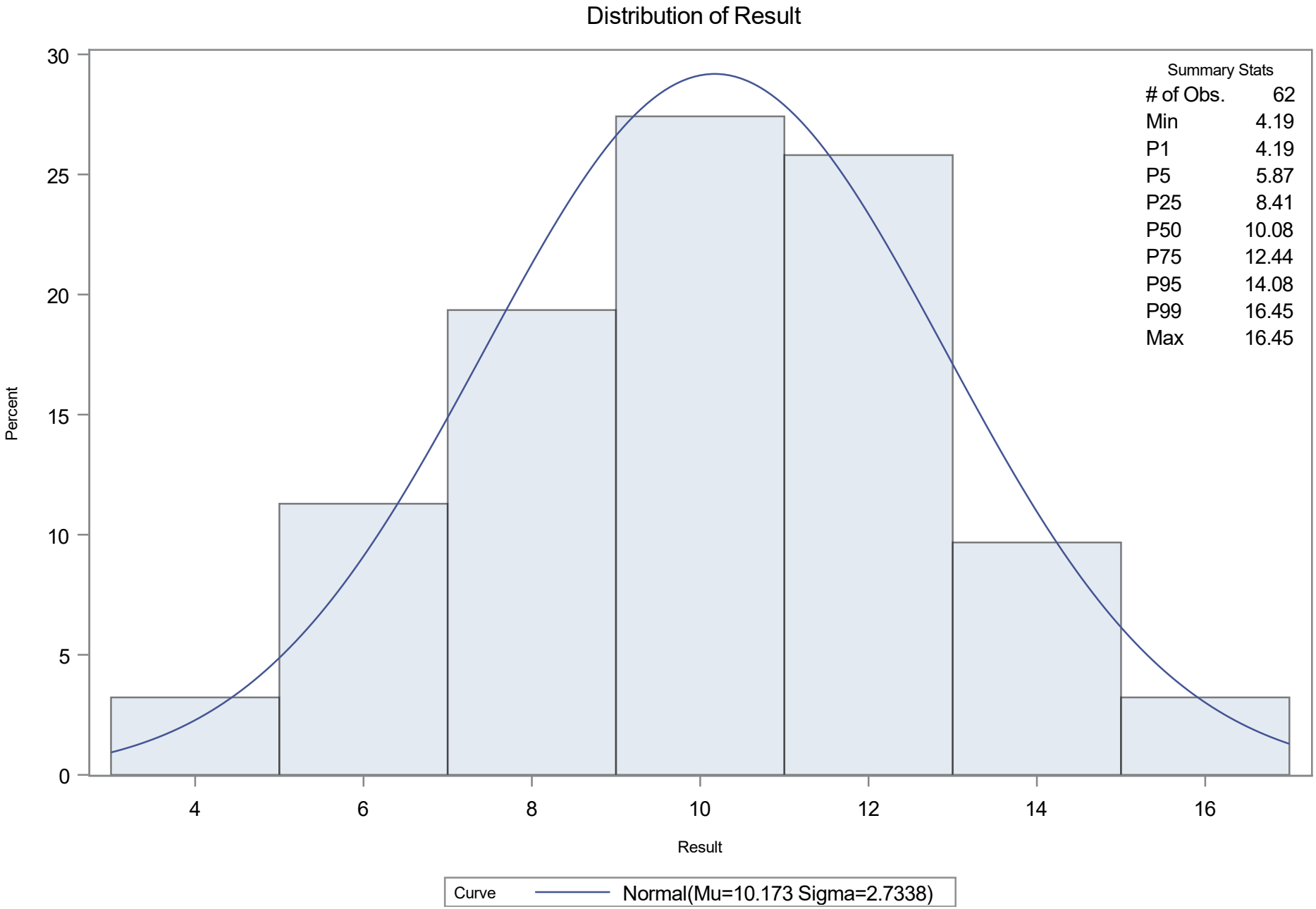

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1509
Result
25
20
15
10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 1509
Result
15.0
12.5
10.0
7.5
5.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10.17306
Std Dev	Sigma	2.733798

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06522895	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02837723	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18782352	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.19000	3.81330
5.0	5.87000	5.67637
10.0	6.80000	6.66956
25.0	8.41000	8.32915
50.0	10.08000	10.17306
75.0	12.44000	12.01698
90.0	13.77000	13.67657
95.0	14.08000	14.66976
99.0	16.45000	16.53283

Period of Record: January 1996 through December 2023
Analysis Days Only

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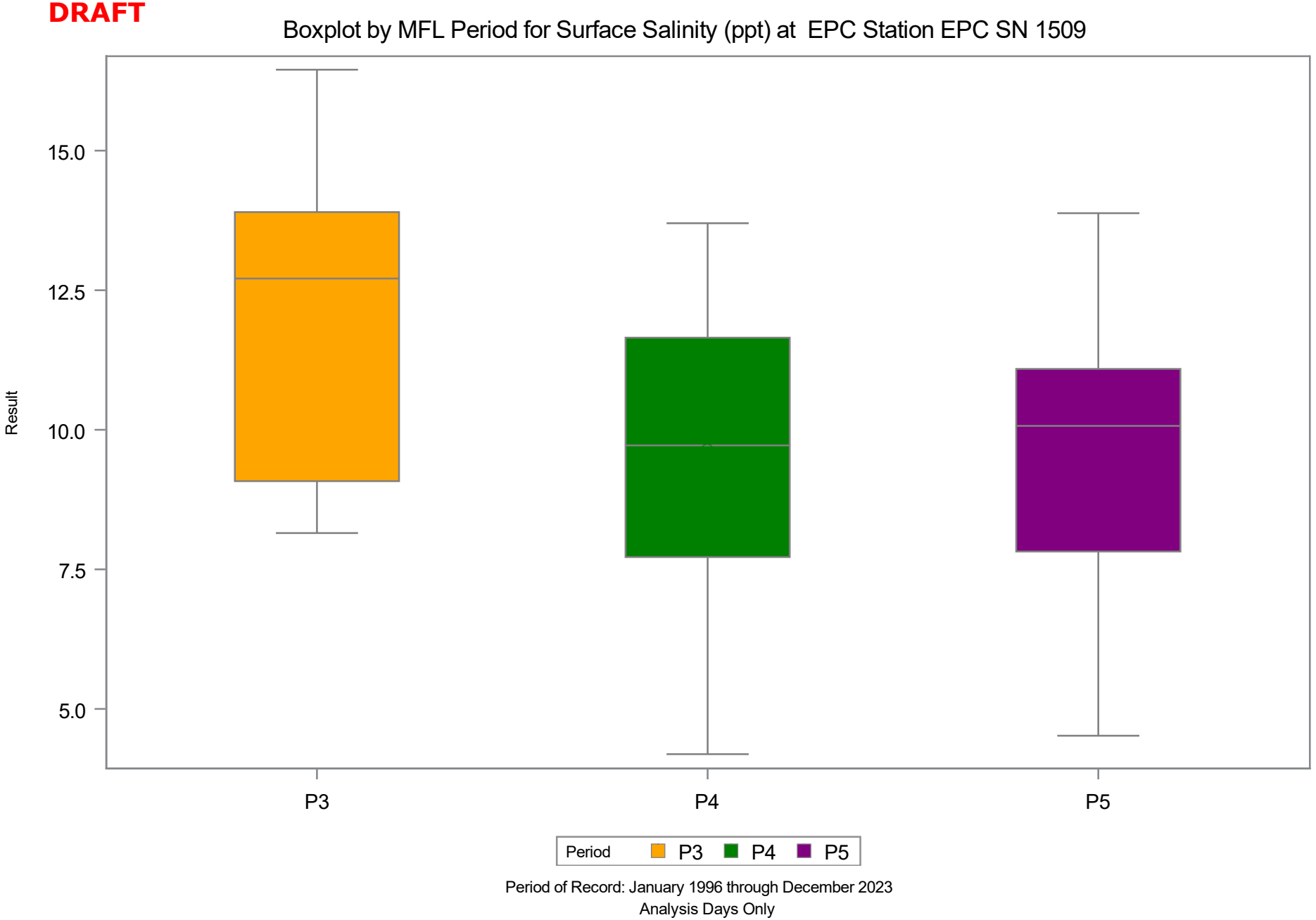
Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1509

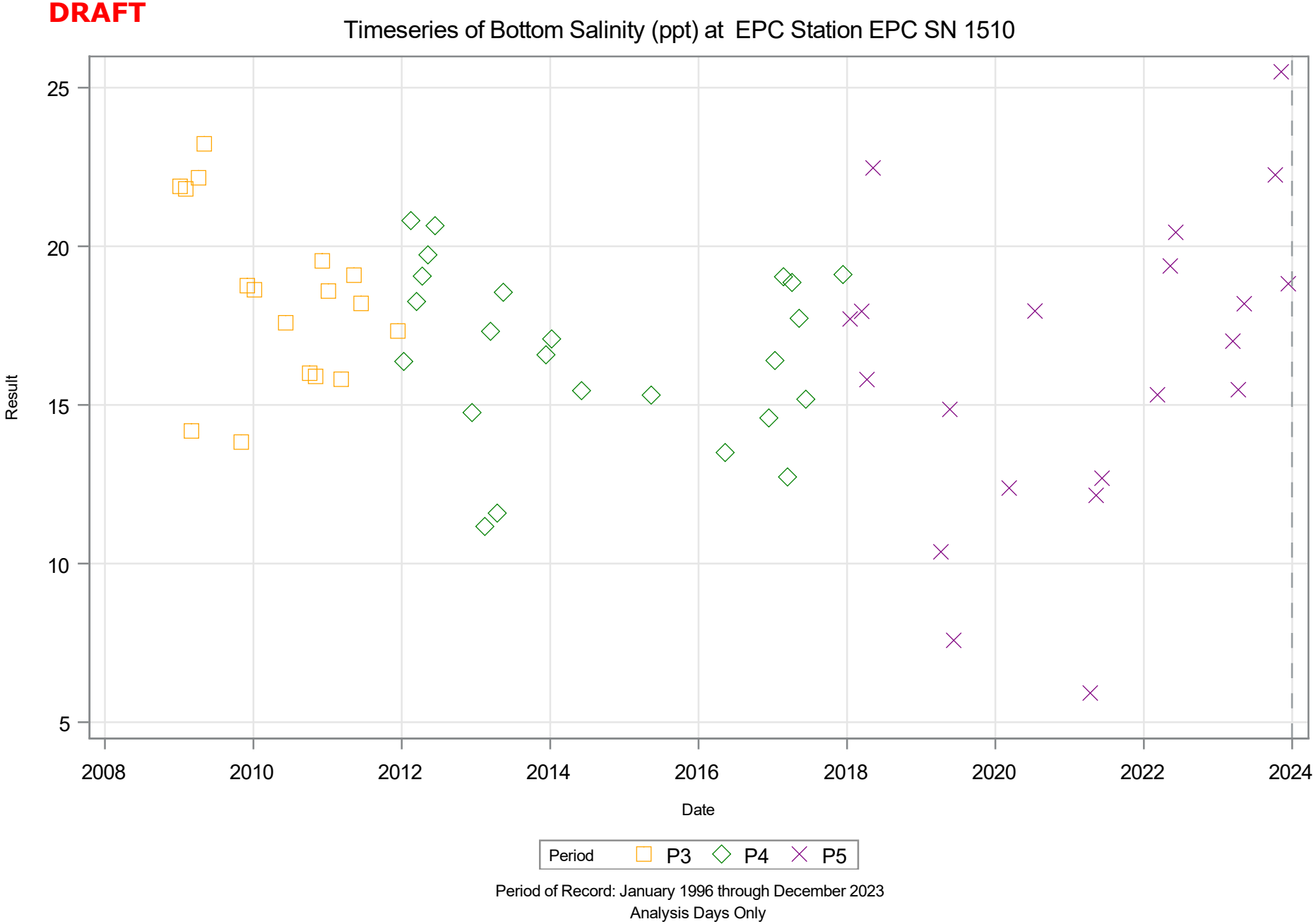
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	8.15	9.08	11.90	12.71	13.90	16.45
P4	24	4.19	7.72	9.62	9.72	11.65	13.70
P5	21	4.52	7.82	9.40	10.07	11.09	13.88

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

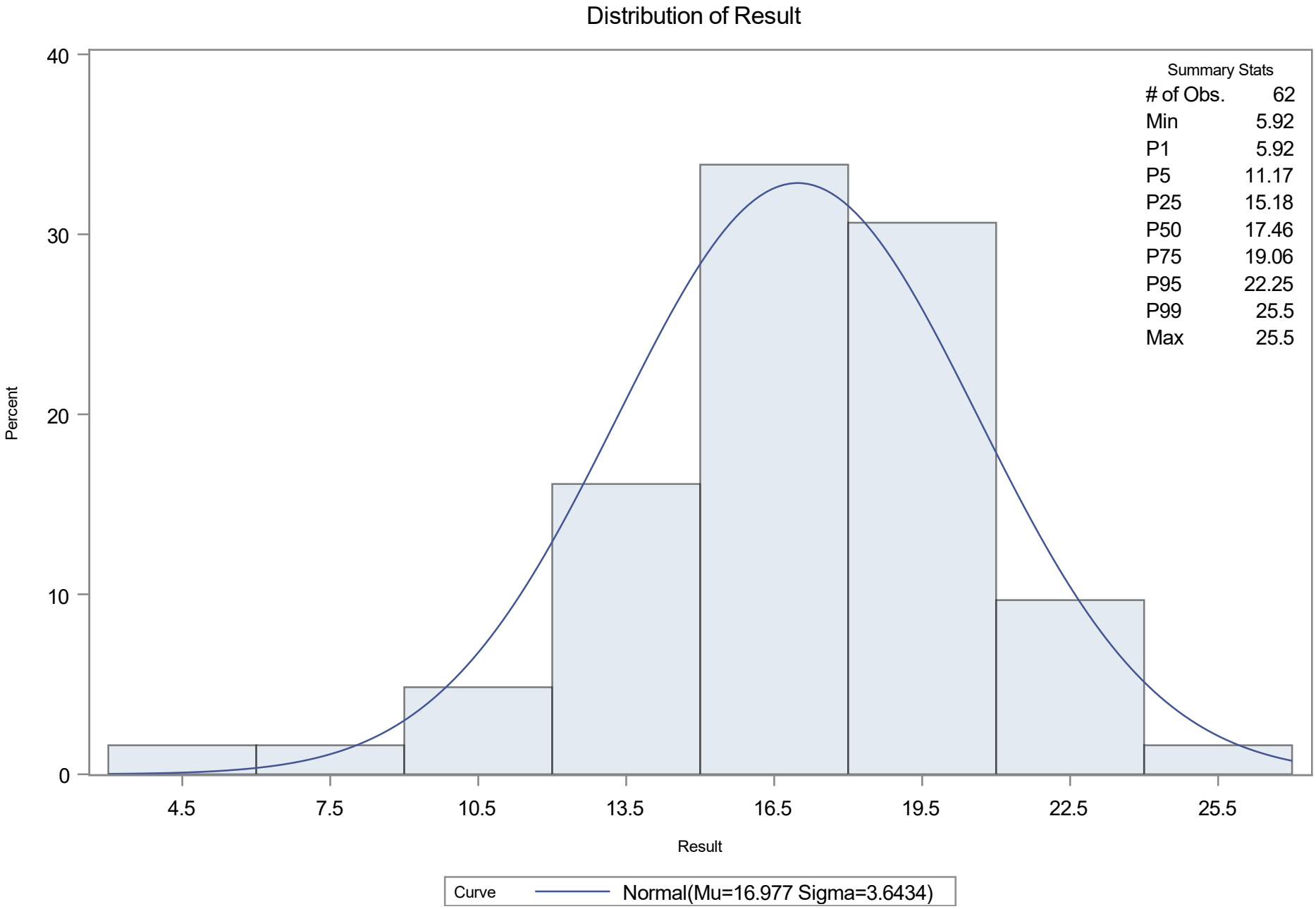

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1509
Result
15.0
12.5
10.0
7.5
5.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1510
Result
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.97742
Std Dev	Sigma	3.643398

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06971452	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07730227	**Pr > W-Sq**	0.227
Anderson-Darling	**A-Sq**	0.45928473	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.92000	8.50161
5.0	11.17000	10.98456
10.0	12.38000	12.30822
25.0	15.18000	14.51998
50.0	17.46000	16.97742
75.0	19.06000	19.43485
90.0	21.81000	21.64662
95.0	22.25000	22.97028
99.0	25.50000	25.45323

Period of Record: January 1996 through December 2023
Analysis Days Only

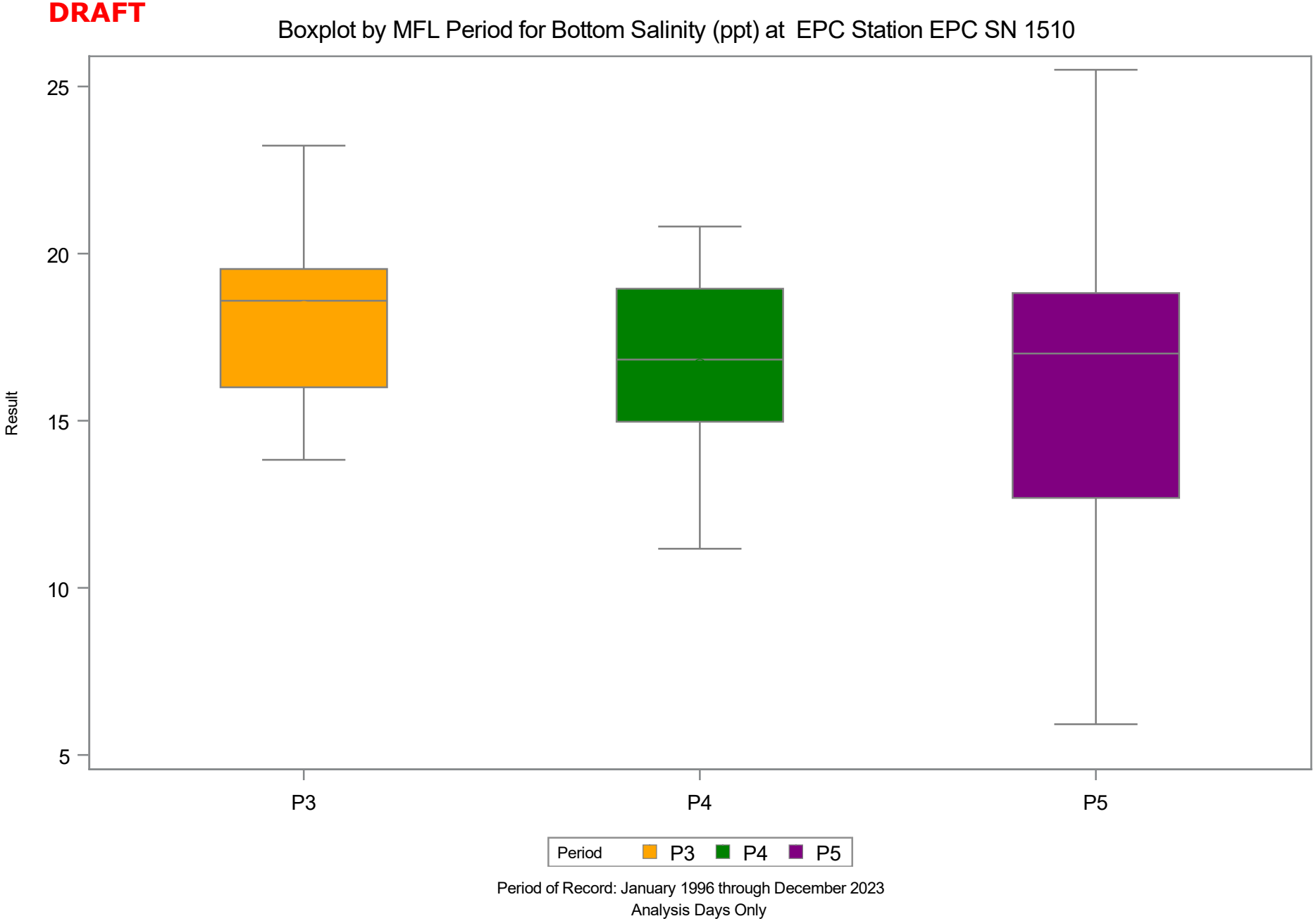
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1510

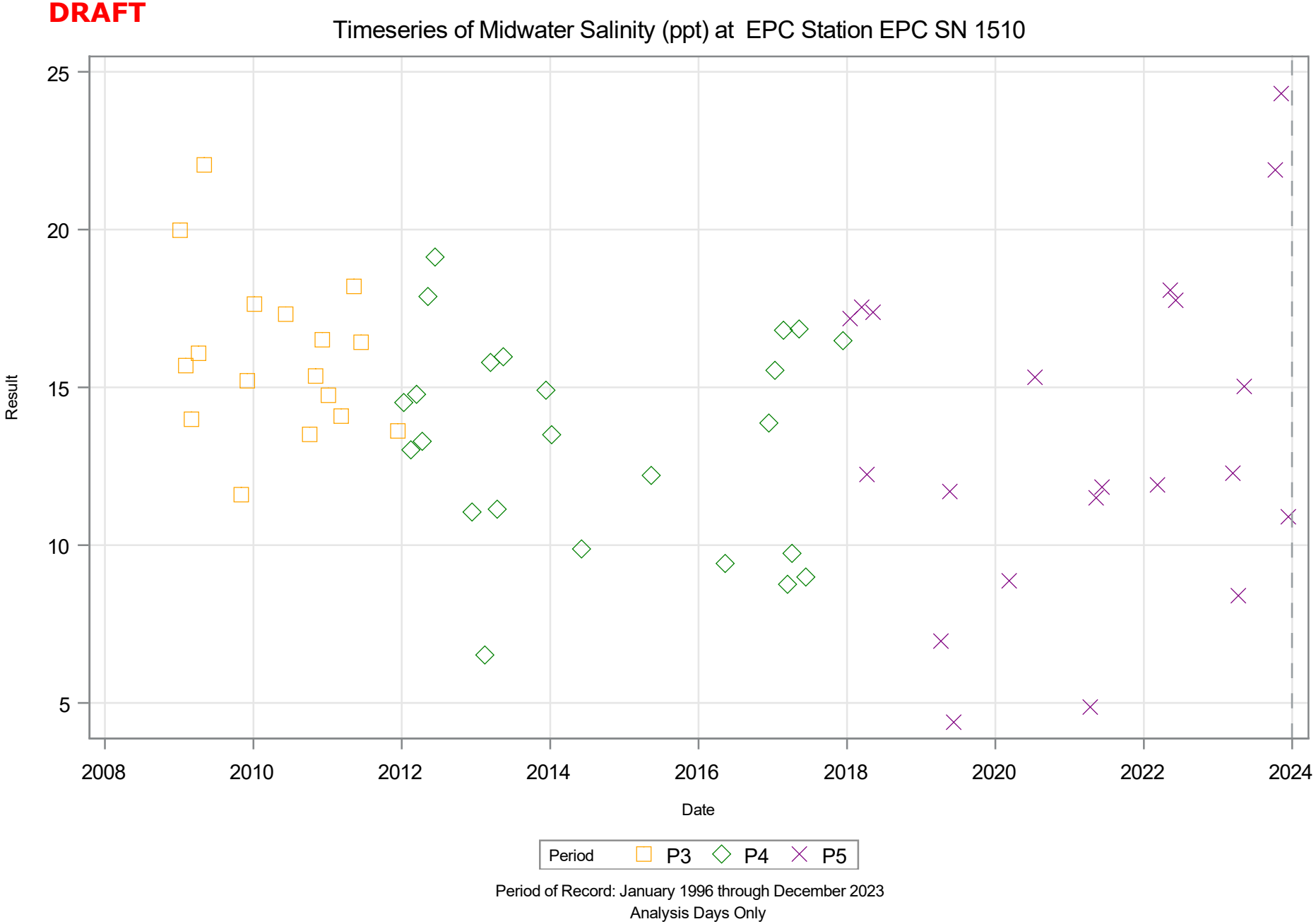
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	13.83	16.00	18.38	18.59	19.54	23.23
P4	24	11.17	14.97	16.66	16.83	18.95	20.81
P5	21	5.92	12.69	16.20	17.01	18.82	25.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

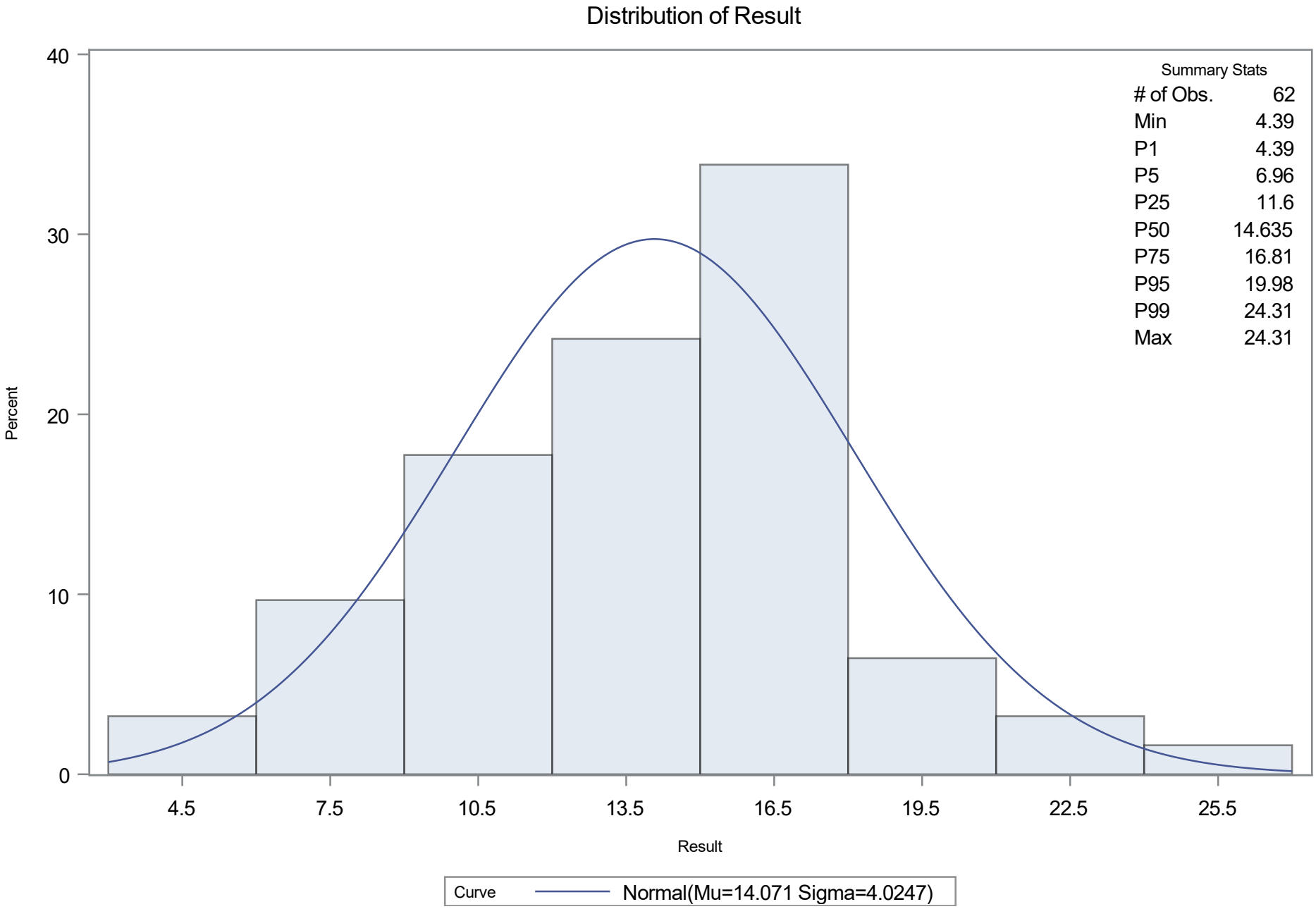

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1510
Result
25
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1510
Result
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14.07145
Std Dev	Sigma	4.024706

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07184748	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04849258	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31221786	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.39000	4.70859
5.0	6.96000	7.45140
10.0	8.87000	8.91358
25.0	11.60000	11.35683
50.0	14.63500	14.07145
75.0	16.81000	16.78607
90.0	18.08000	19.22932
95.0	19.98000	20.69150
99.0	24.31000	23.43432

Period of Record: January 1996 through December 2023
Analysis Days Only

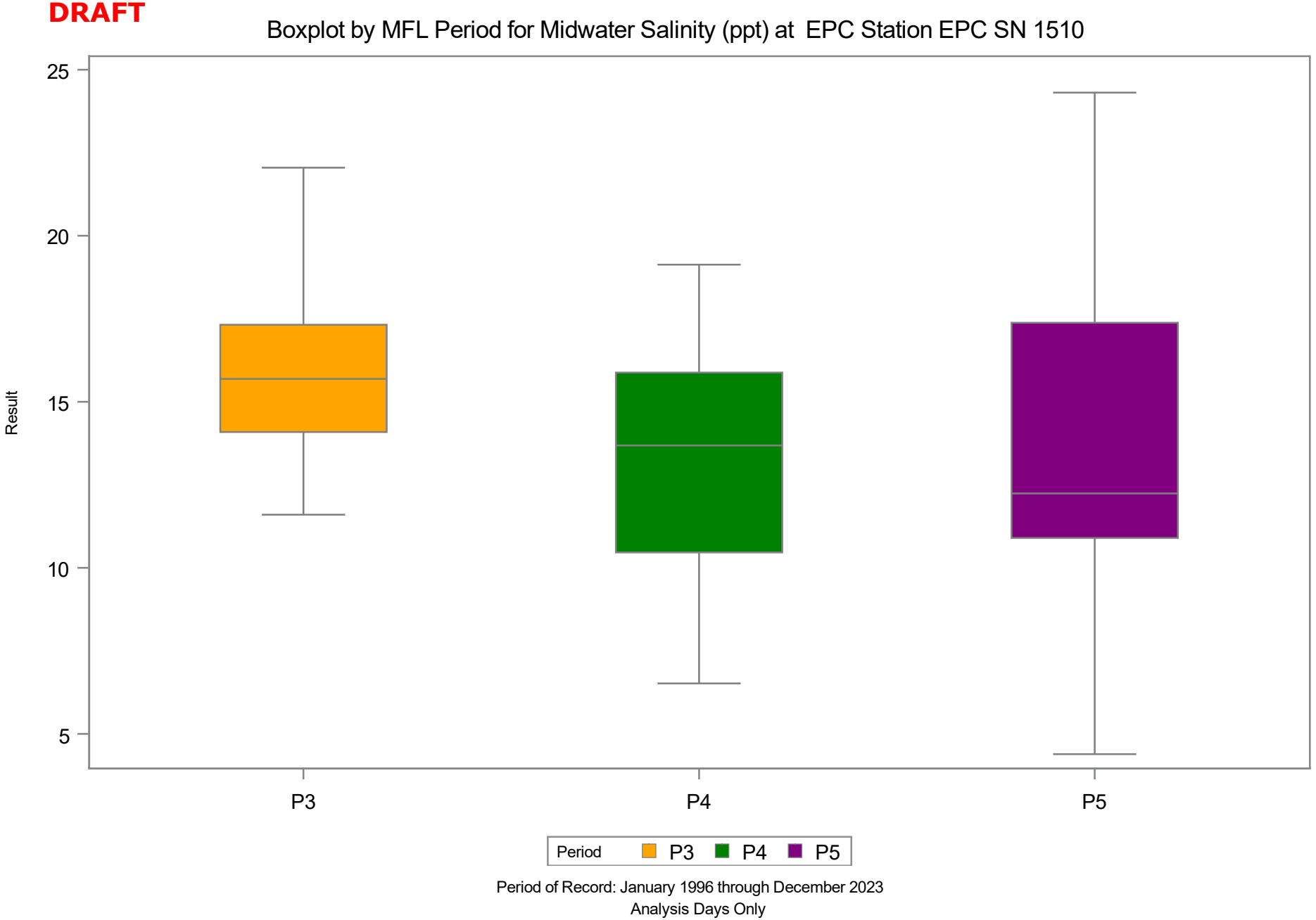
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1510

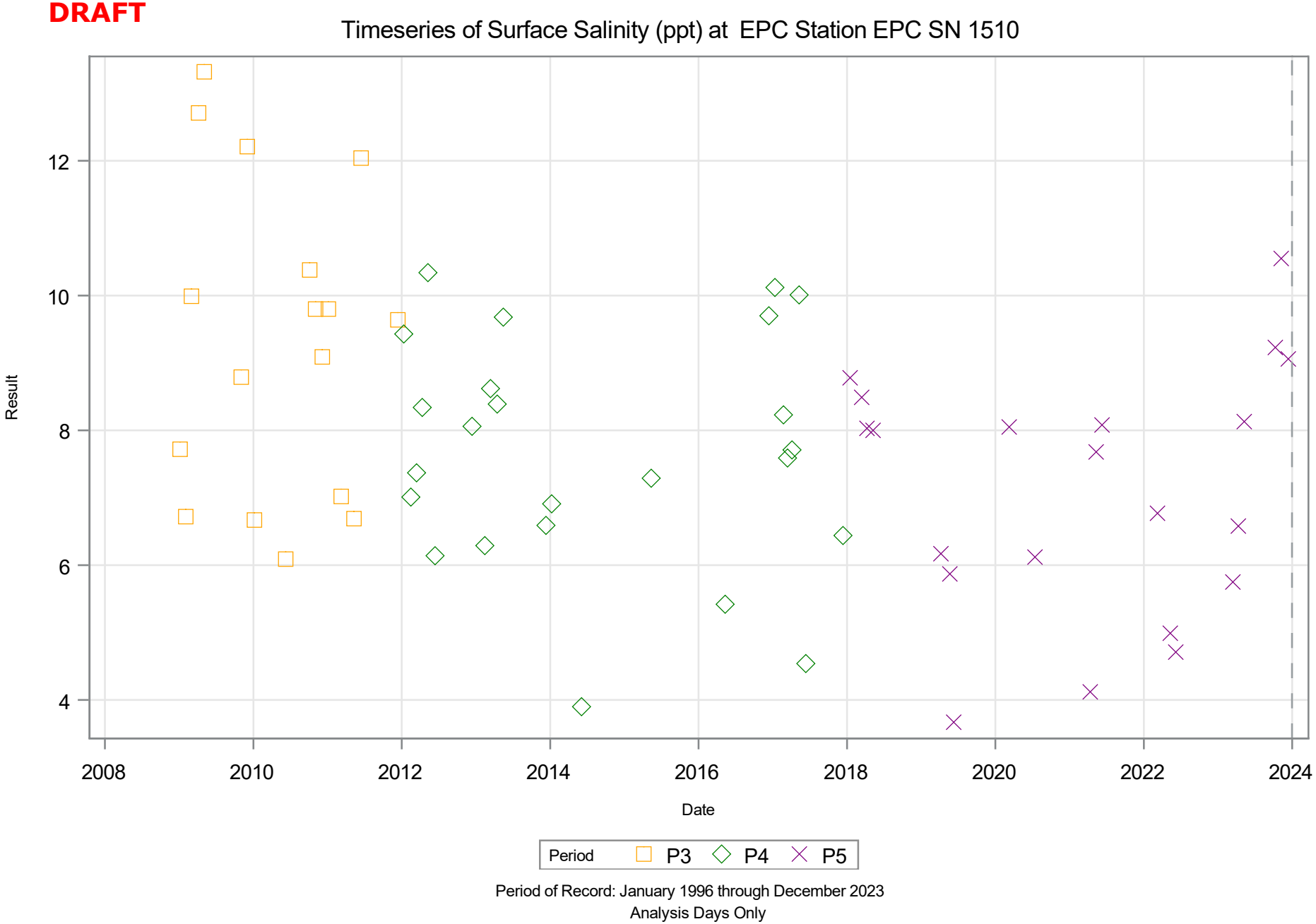
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	11.60	14.09	16.00	15.69	17.32	22.05
P4	24	6.52	10.47	13.34	13.69	15.88	19.13
P5	21	4.39	10.90	13.35	12.24	17.38	24.31

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

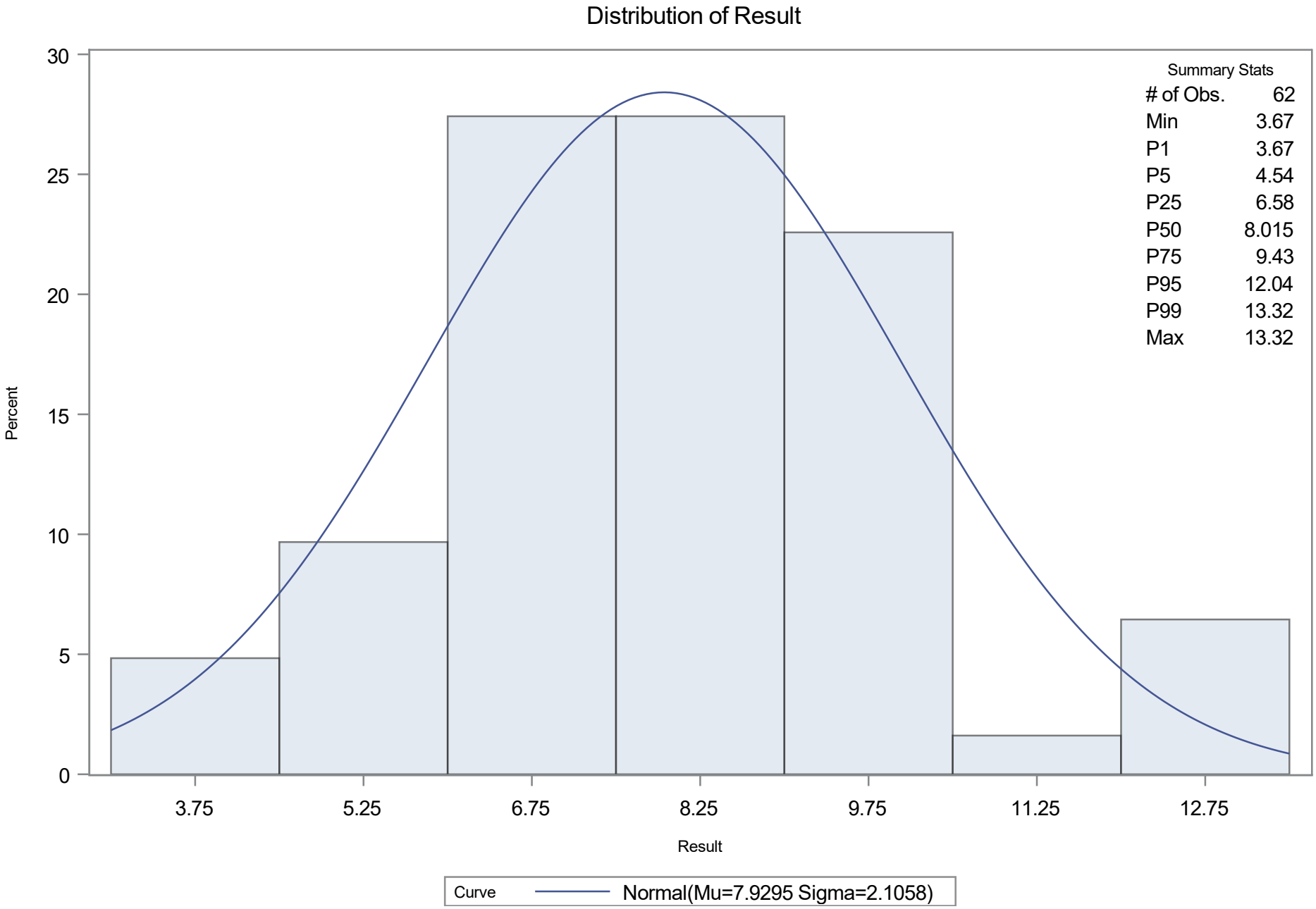

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1510
Result
25
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 1510
Result
12
10
8
6
4
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.929516
Std Dev	Sigma	2.105799

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05419346	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02944481	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23864883	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.67000	3.03070
5.0	4.54000	4.46579
10.0	5.42000	5.23083
25.0	6.58000	6.50918
50.0	8.01500	7.92952
75.0	9.43000	9.34986
90.0	10.34000	10.62821
95.0	12.04000	11.39325
99.0	13.32000	12.82834

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	6.09	7.02	9.33	9.64	10.38	13.32
P4	24	3.90	6.52	7.67	7.65	9.03	10.34
P5	21	3.67	5.87	7.09	7.68	8.13	10.55

Period of Record: January 1996 through December 2023
Analysis Days Only

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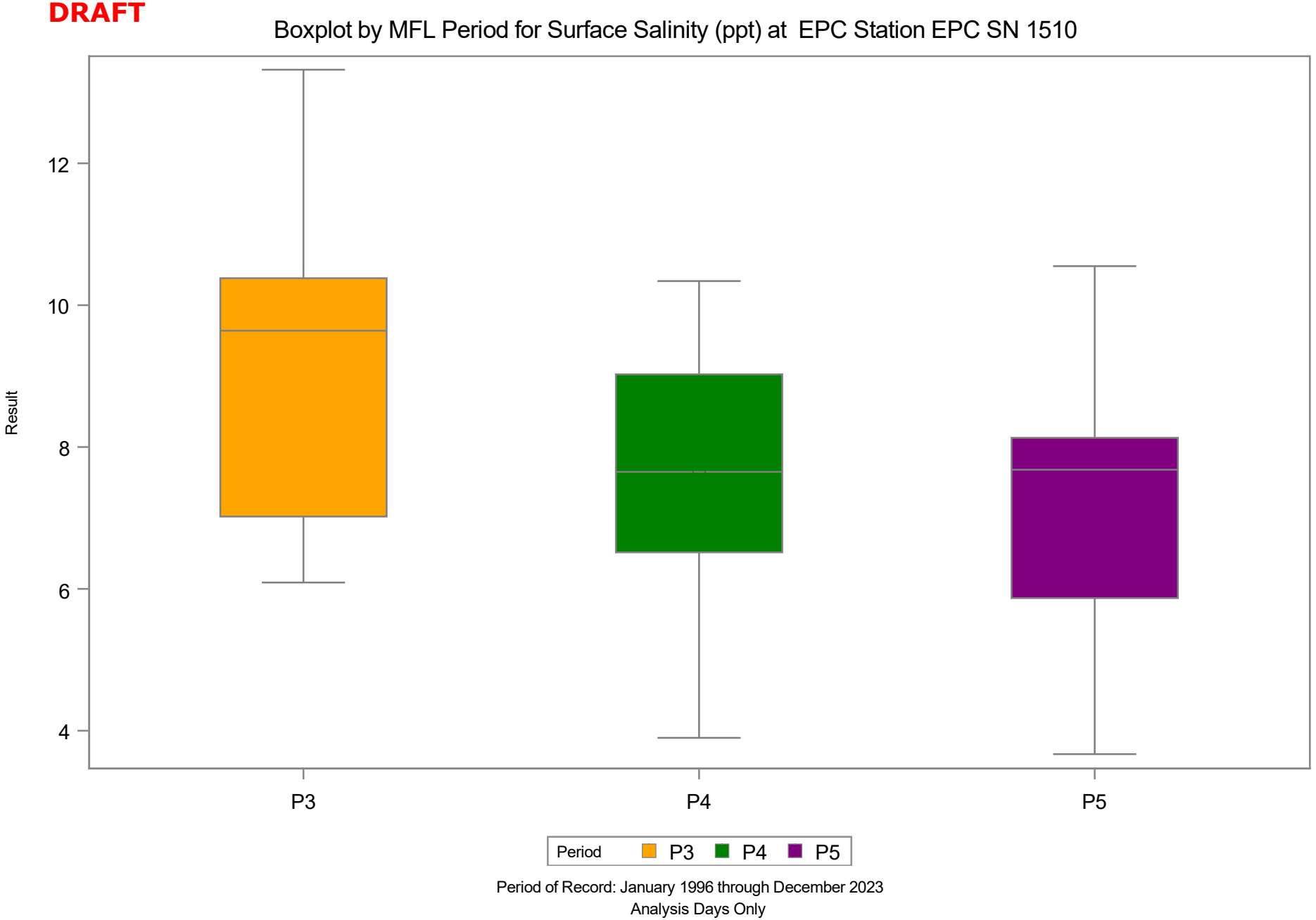
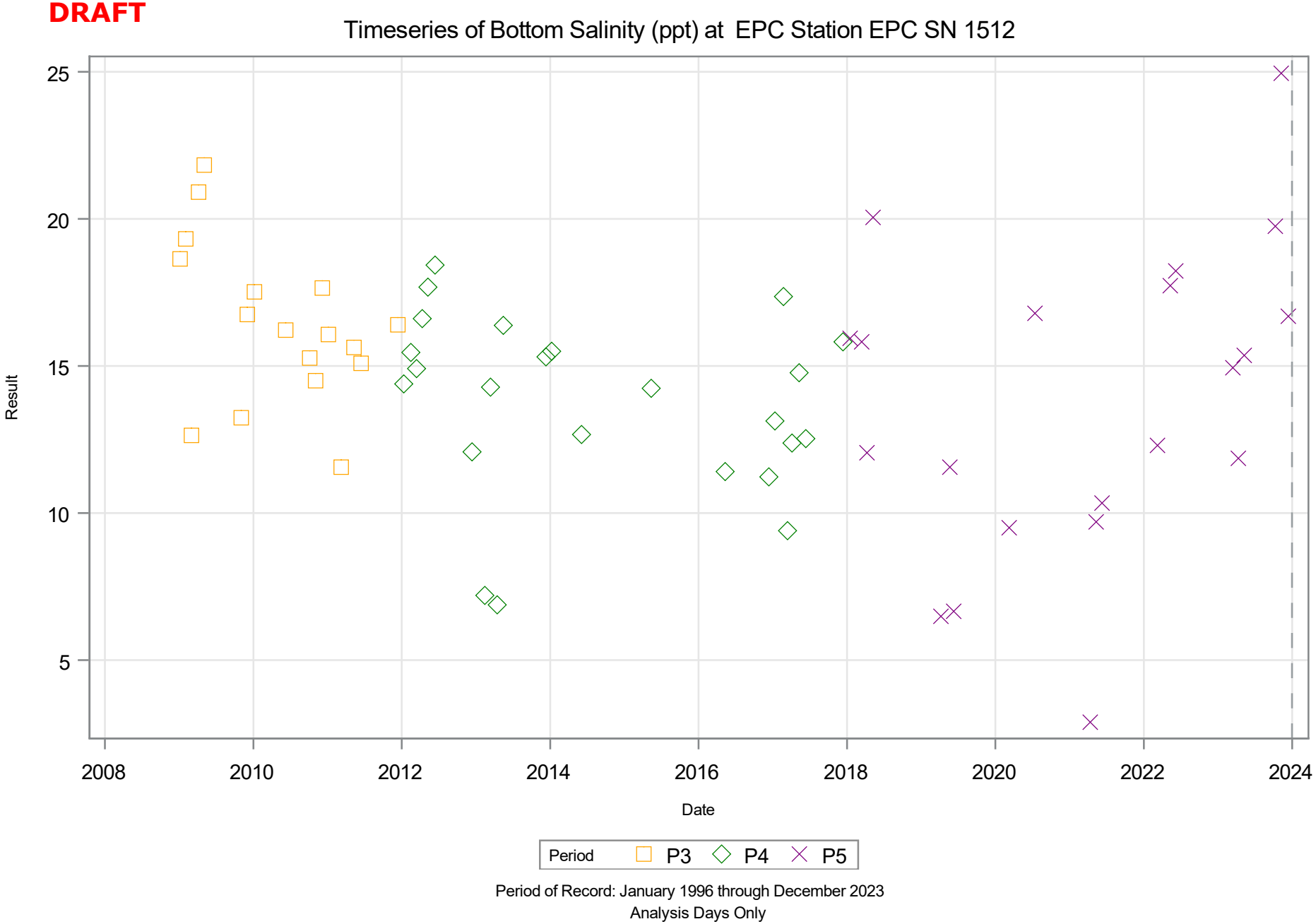
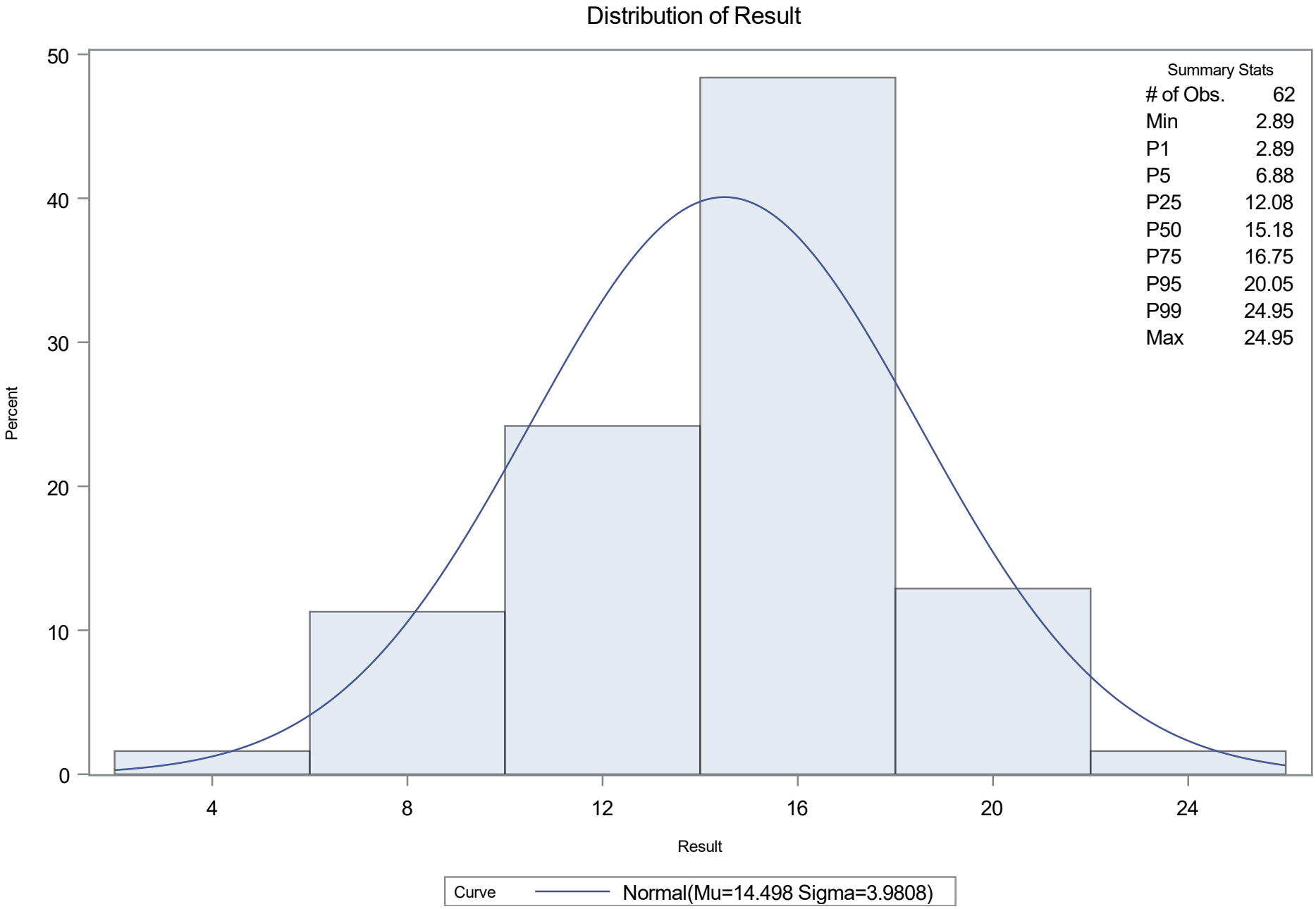

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1510
Result
12
10
8
6
4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1512
Result
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14.49823
Std Dev	Sigma	3.98076

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10317162	**Pr > D**	0.098
Cramer-von Mises	**W-Sq**	0.09885559	**Pr > W-Sq**	0.117
Anderson-Darling	**A-Sq**	0.56725345	**Pr > A-Sq**	0.140

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.89000	5.23759
5.0	6.88000	7.95046
10.0	9.50000	9.39668
25.0	12.08000	11.81324
50.0	15.18000	14.49823
75.0	16.75000	17.18321
90.0	18.64000	19.59978
95.0	20.05000	21.04599
99.0	24.95000	23.75886

Period of Record: January 1996 through December 2023
Analysis Days Only

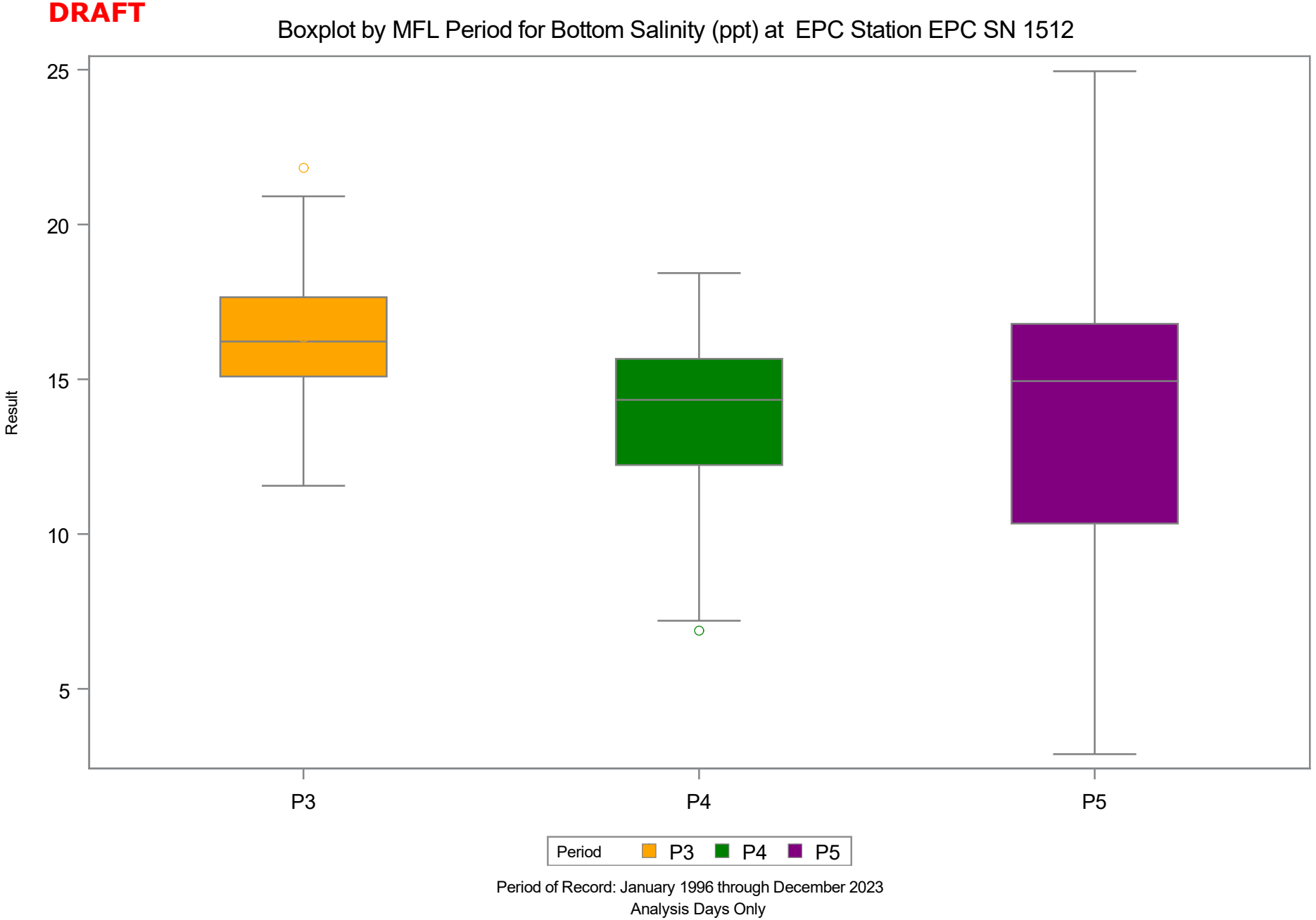
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1512

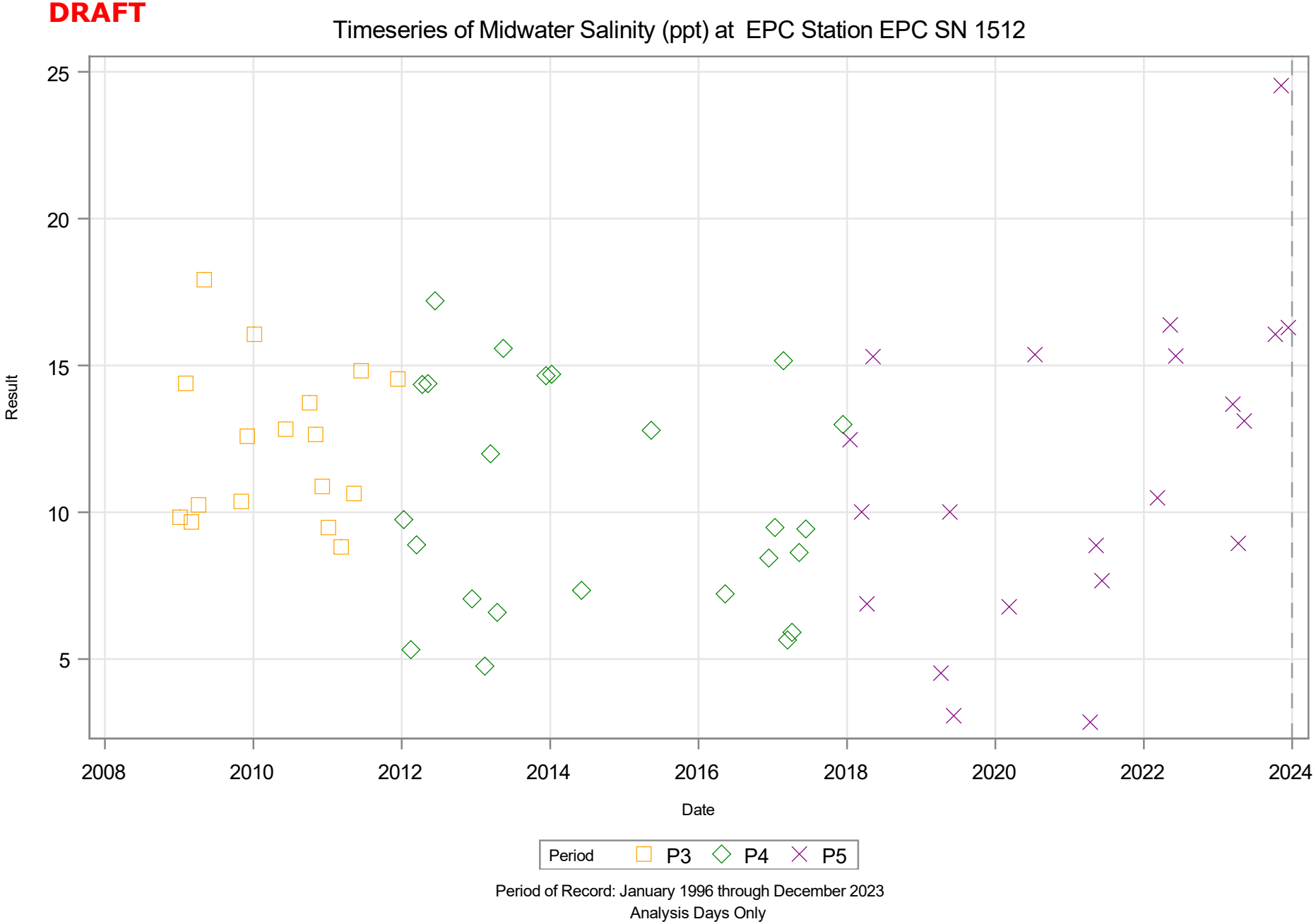
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	11.56	15.09	16.43	16.22	17.65	21.83
P4	24	6.88	12.23	13.75	14.34	15.66	18.43
P5	21	2.89	10.34	13.79	14.94	16.79	24.95

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

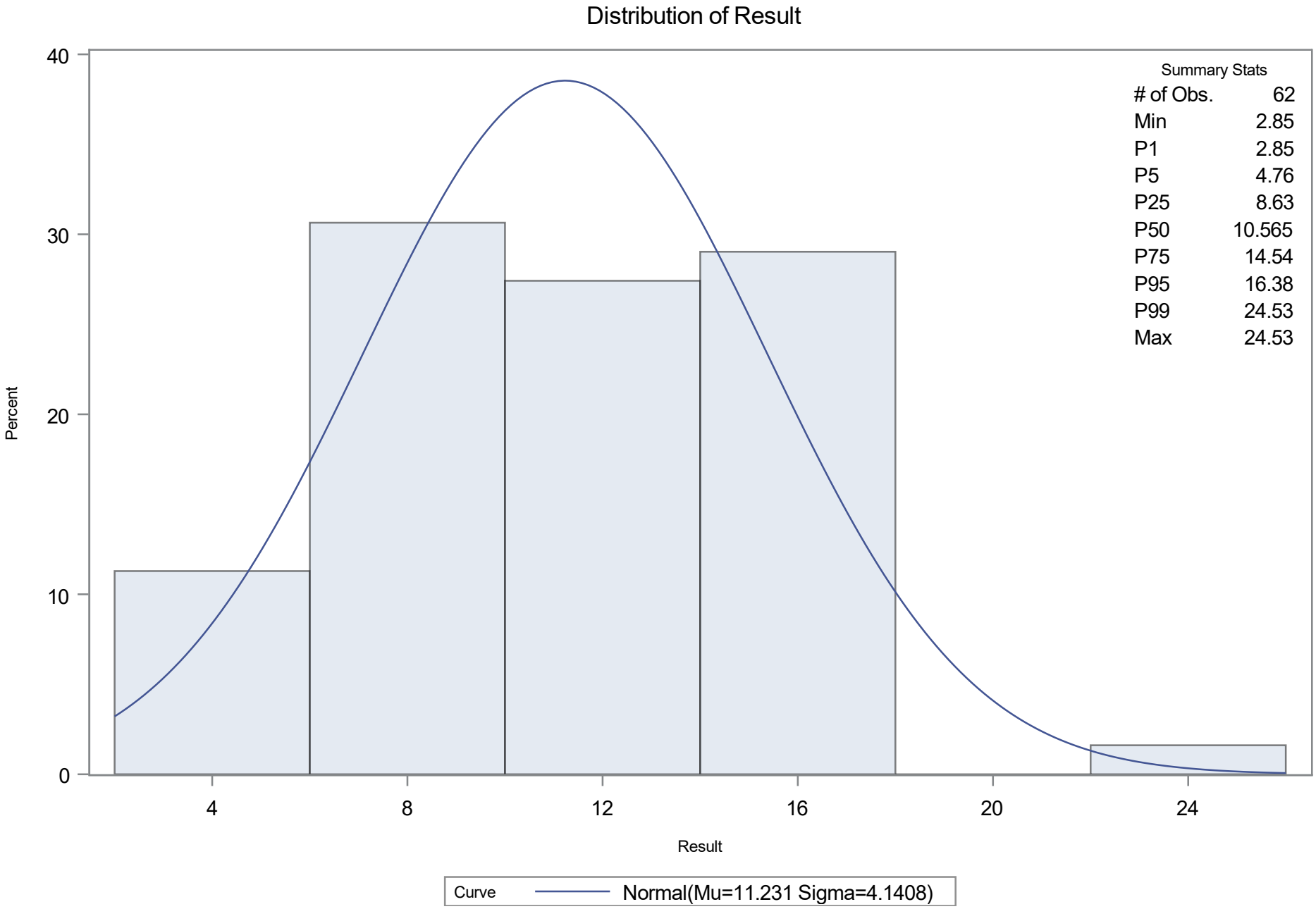

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1512
Result
25
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1512
Result
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.23097
Std Dev	Sigma	4.140789

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08080051	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07357081	**Pr > W-Sq**	0.249
Anderson-Darling	**A-Sq**	0.46171923	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.85000	1.59805
5.0	4.76000	4.41998
10.0	5.91000	5.92433
25.0	8.63000	8.43805
50.0	10.56500	11.23097
75.0	14.54000	14.02389
90.0	16.06000	16.53760
95.0	16.38000	18.04196
99.0	24.53000	20.86388

Period of Record: January 1996 through December 2023
Analysis Days Only

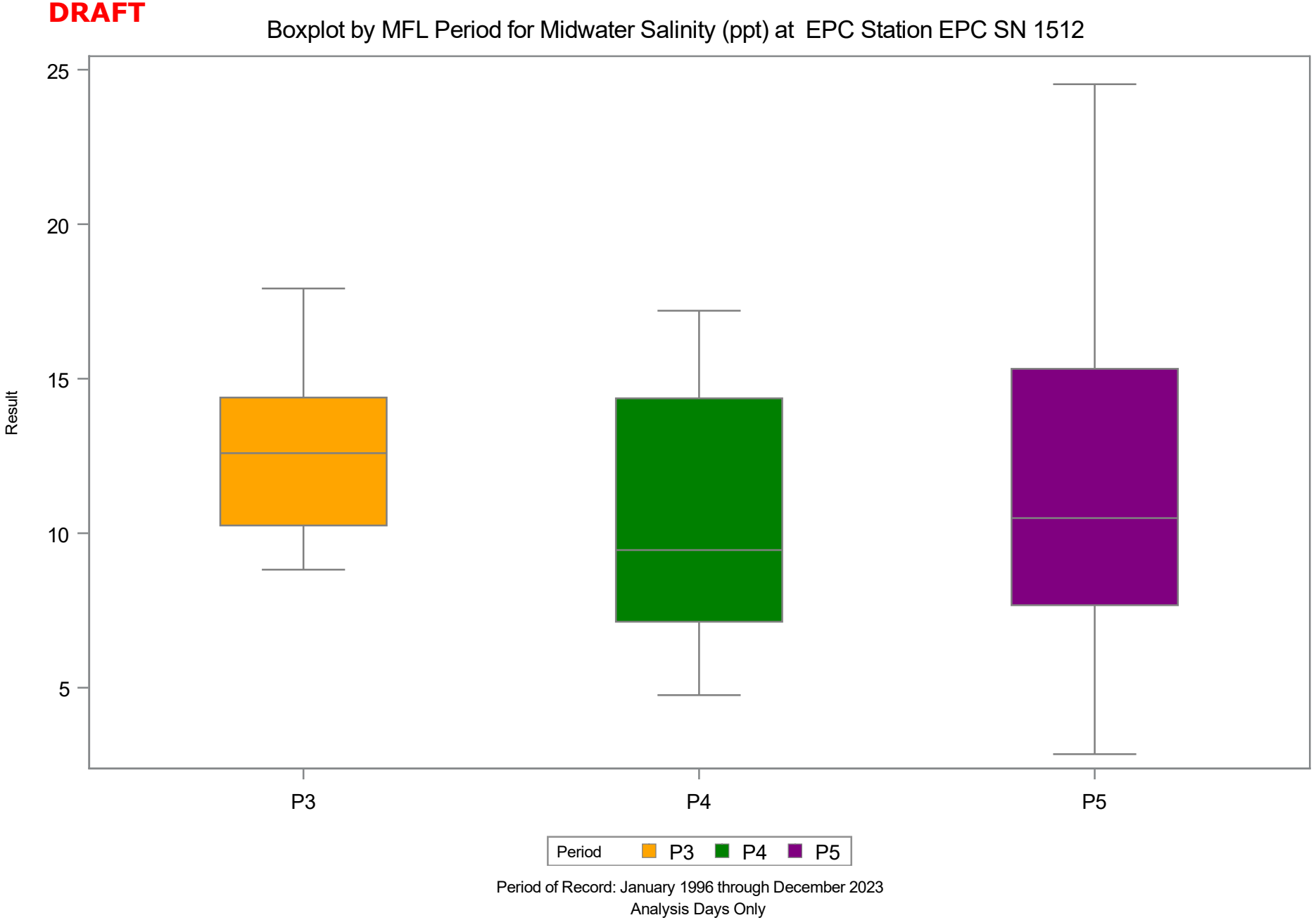
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1512

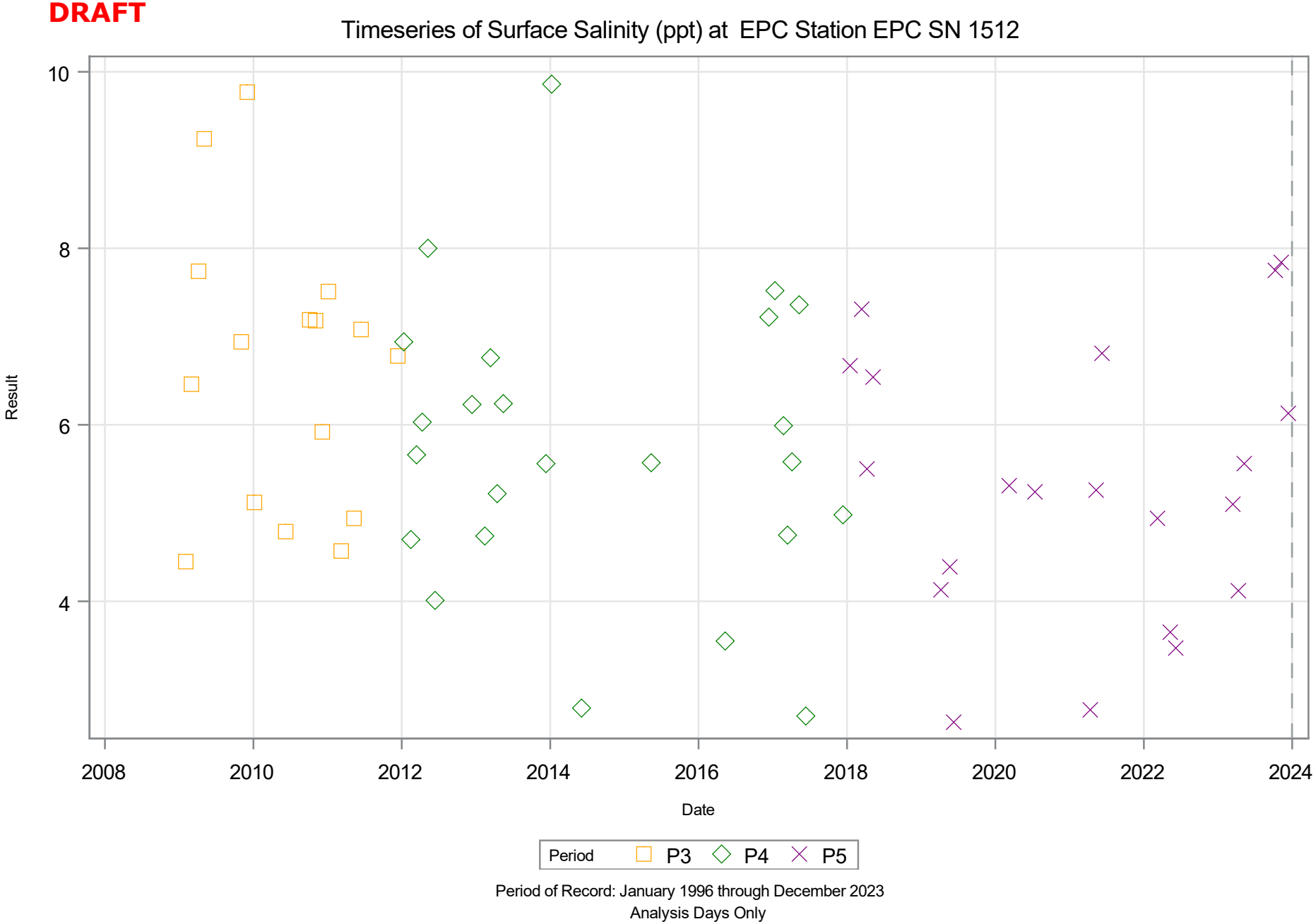
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	8.82	10.25	12.32	12.59	14.39	17.92
P4	24	4.76	7.14	10.34	9.46	14.37	17.20
P5	21	2.85	7.67	11.36	10.49	15.32	24.53

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1512
Result
25
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

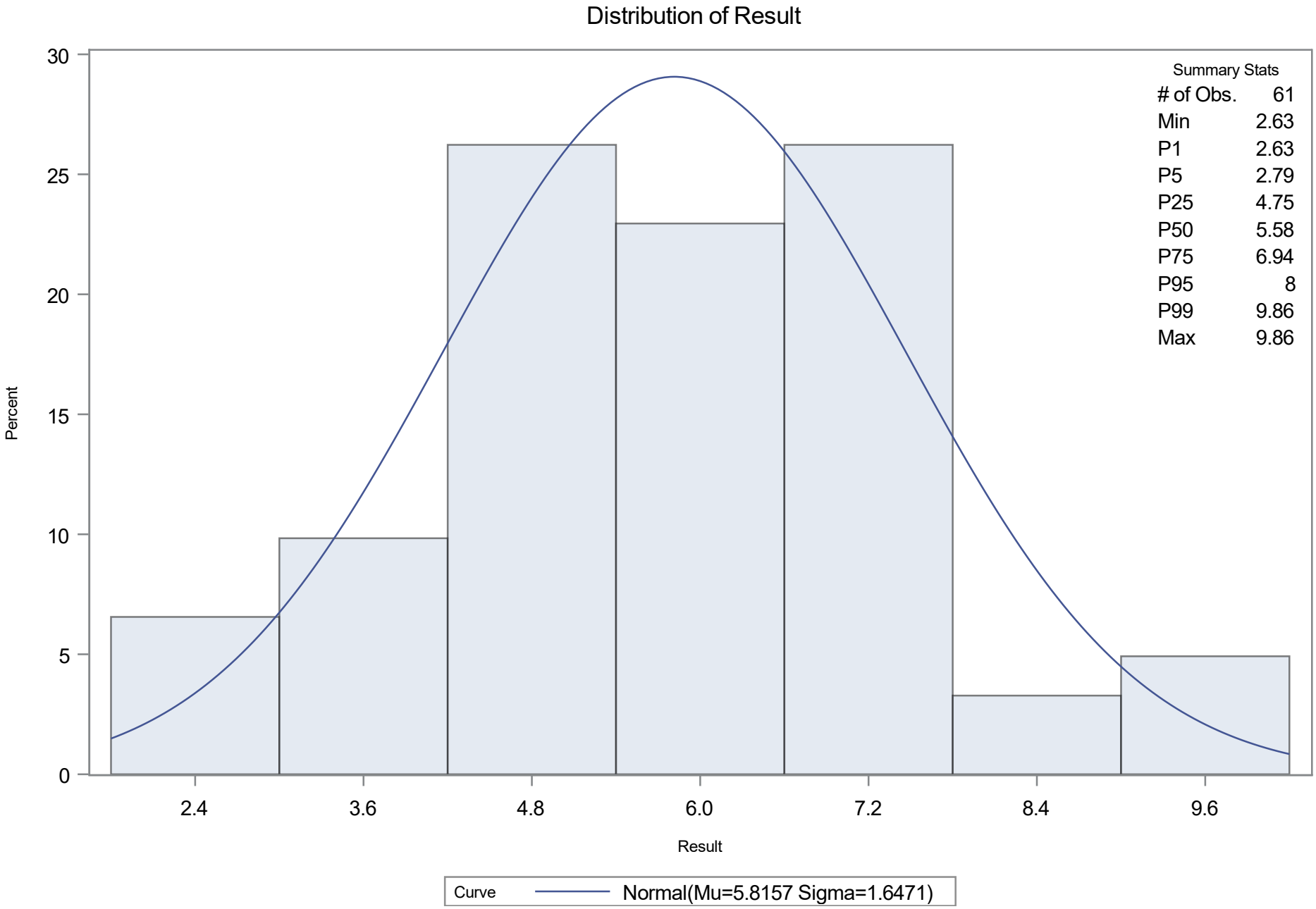
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.815738
Std Dev	Sigma	1.647074

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06510106	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02977460	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.24854459	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.63000	1.98407
5.0	2.79000	3.10654
10.0	3.65000	3.70493
25.0	4.75000	4.70480
50.0	5.58000	5.81574
75.0	6.94000	6.92667
90.0	7.74000	7.92655
95.0	8.00000	8.52493
99.0	9.86000	9.64740

Period of Record: January 1996 through December 2023
Analysis Days Only

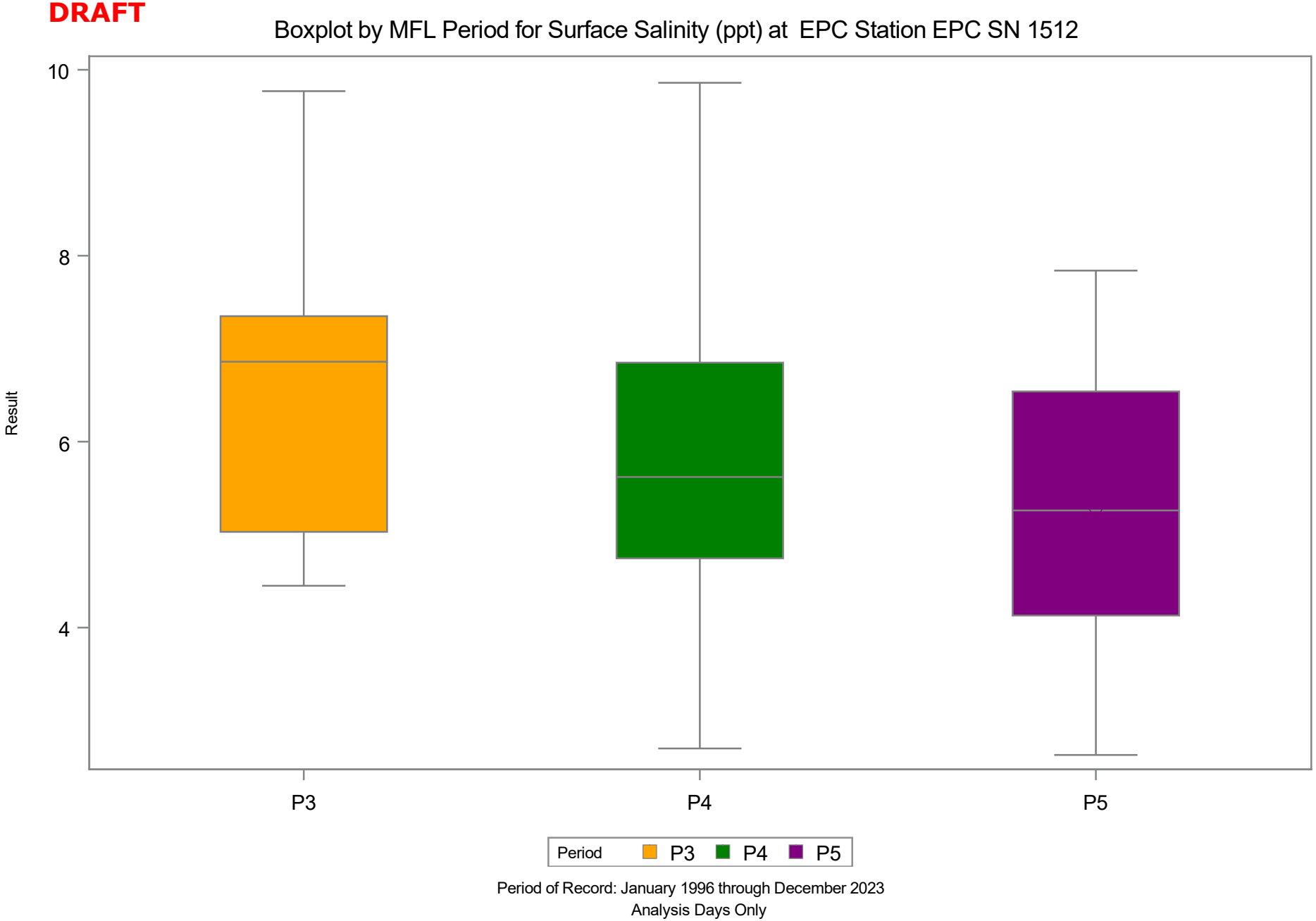
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1512

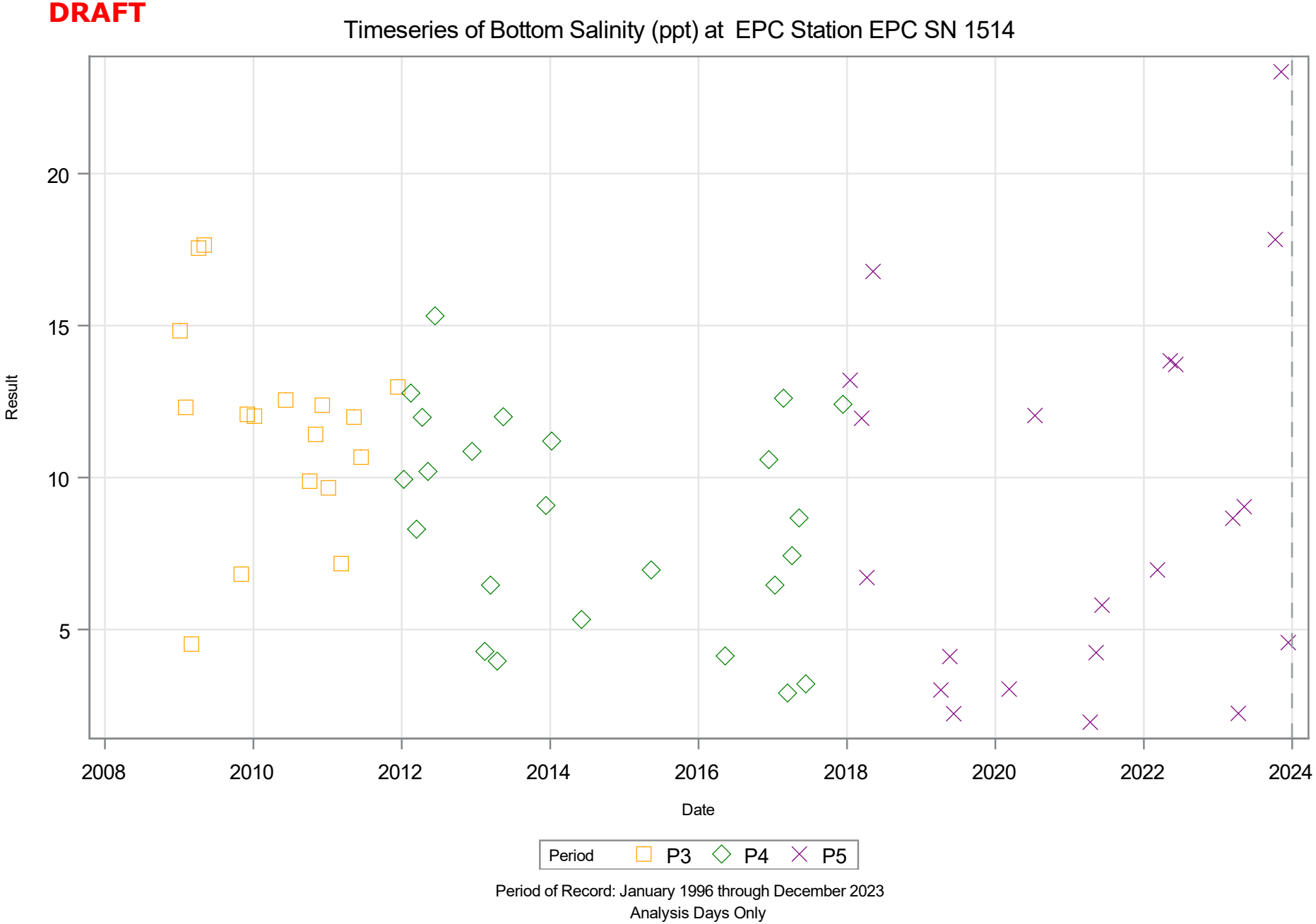
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	4.45	5.03	6.61	6.86	7.35	9.77
P4	24	2.70	4.75	5.75	5.62	6.85	9.86
P5	21	2.63	4.13	5.29	5.26	6.54	7.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

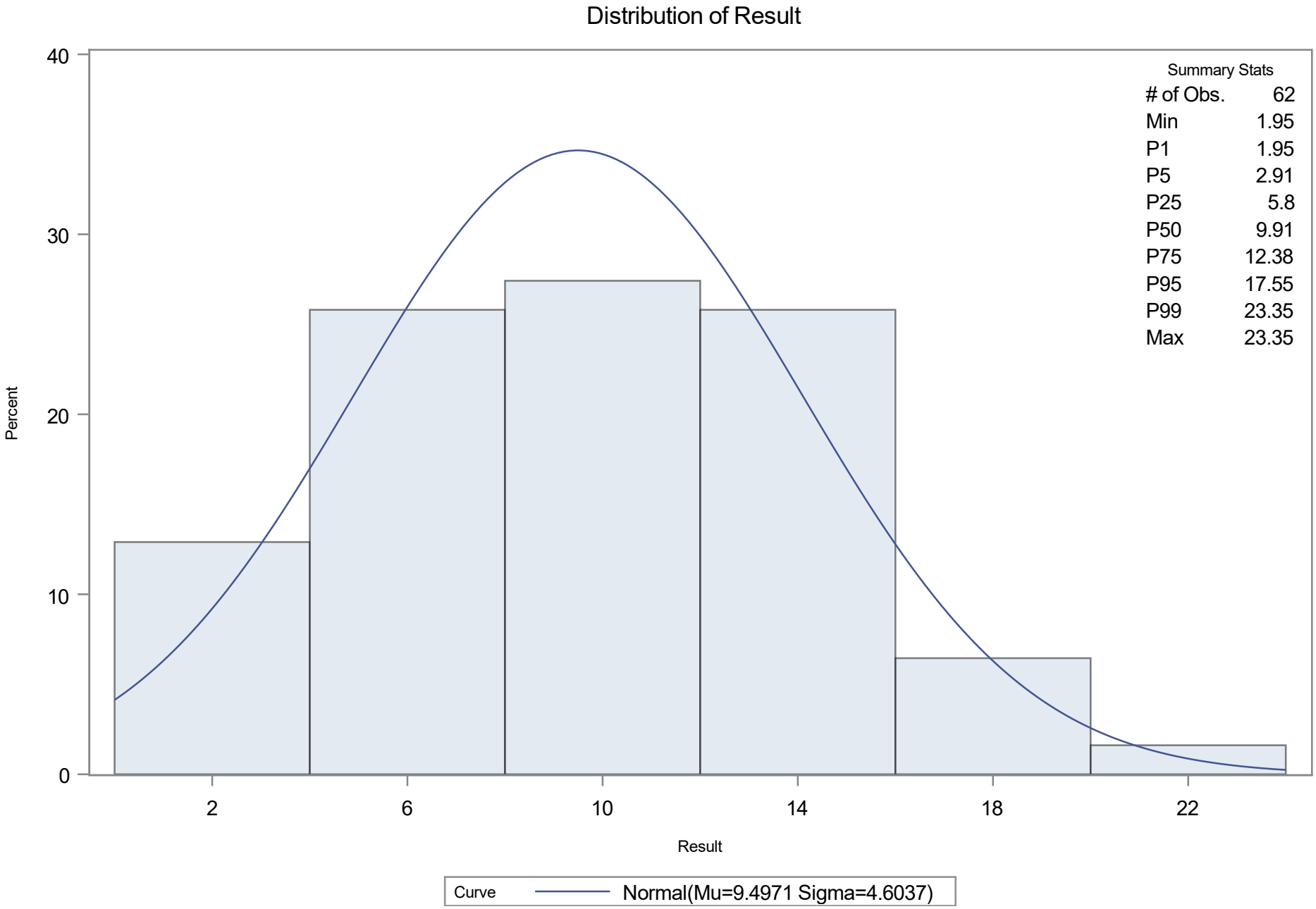

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1512
Result
10
8
6
4
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1514
Result
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.497097
Std Dev	Sigma	4.603681

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09001543	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09346719	**Pr > W-Sq**	0.138
Anderson-Darling	**A-Sq**	0.63305920	**Pr > A-Sq**	0.096

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.95000	-1.21267
5.0	2.91000	1.92472
10.0	3.21000	3.59724
25.0	5.80000	6.39196
50.0	9.91000	9.49710
75.0	12.38000	12.60223
90.0	14.83000	15.39695
95.0	17.55000	17.06948
99.0	23.35000	20.20686

Period of Record: January 1996 through December 2023
Analysis Days Only

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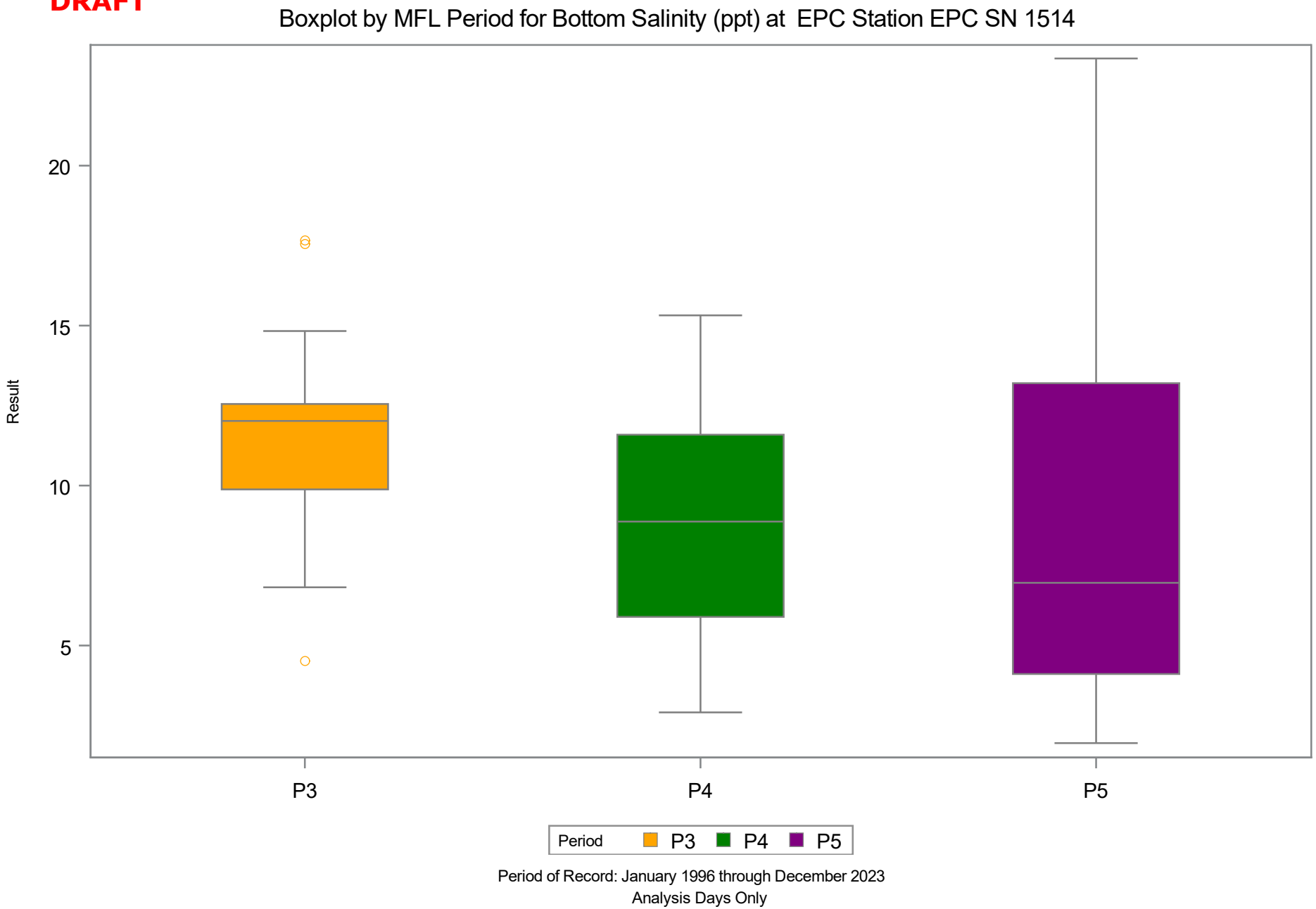
Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1514

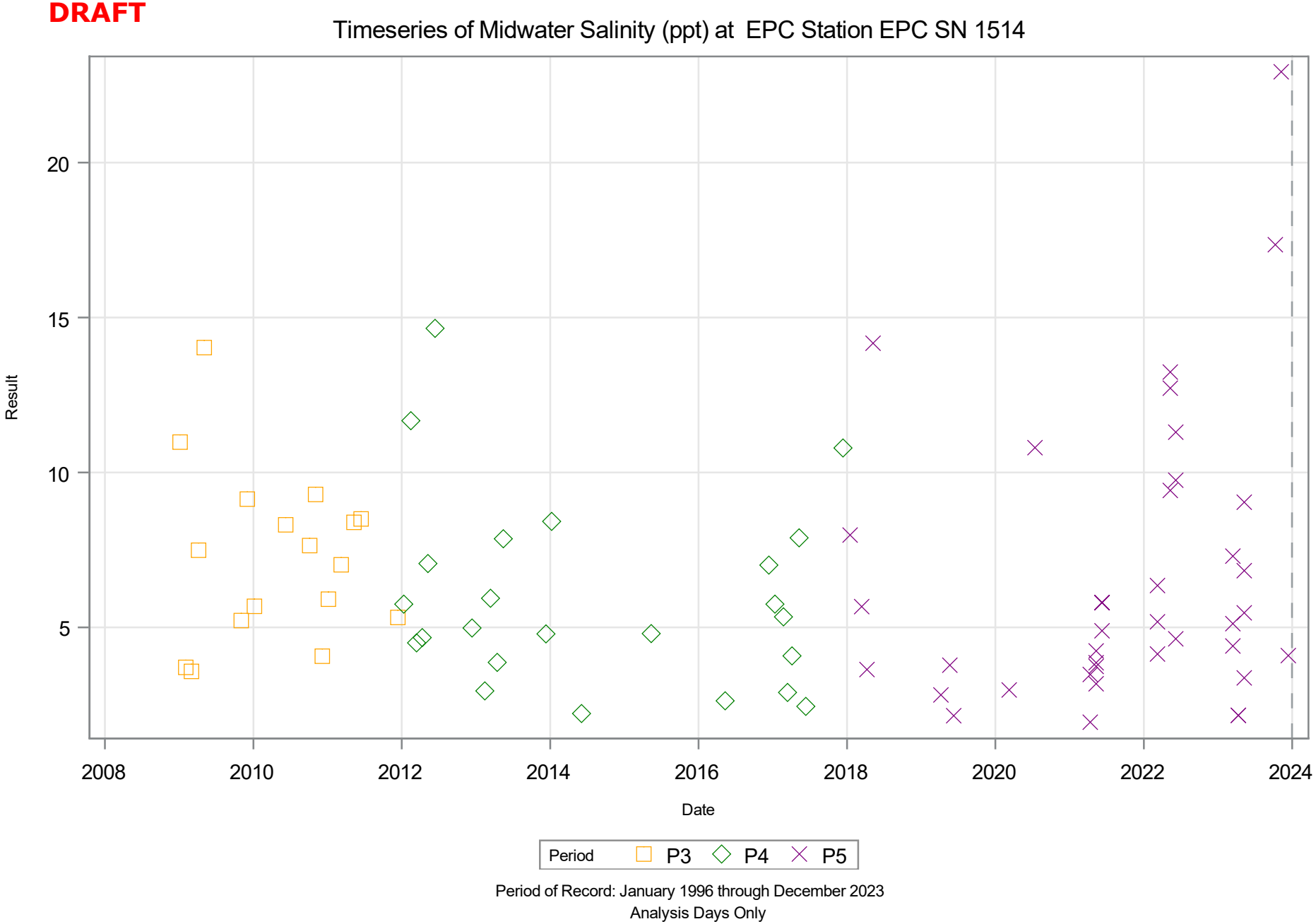
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	4.52	9.88	11.56	12.02	12.55	17.65
P4	24	2.91	5.90	8.63	8.88	11.59	15.32
P5	21	1.95	4.11	8.82	6.96	13.20	23.35

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

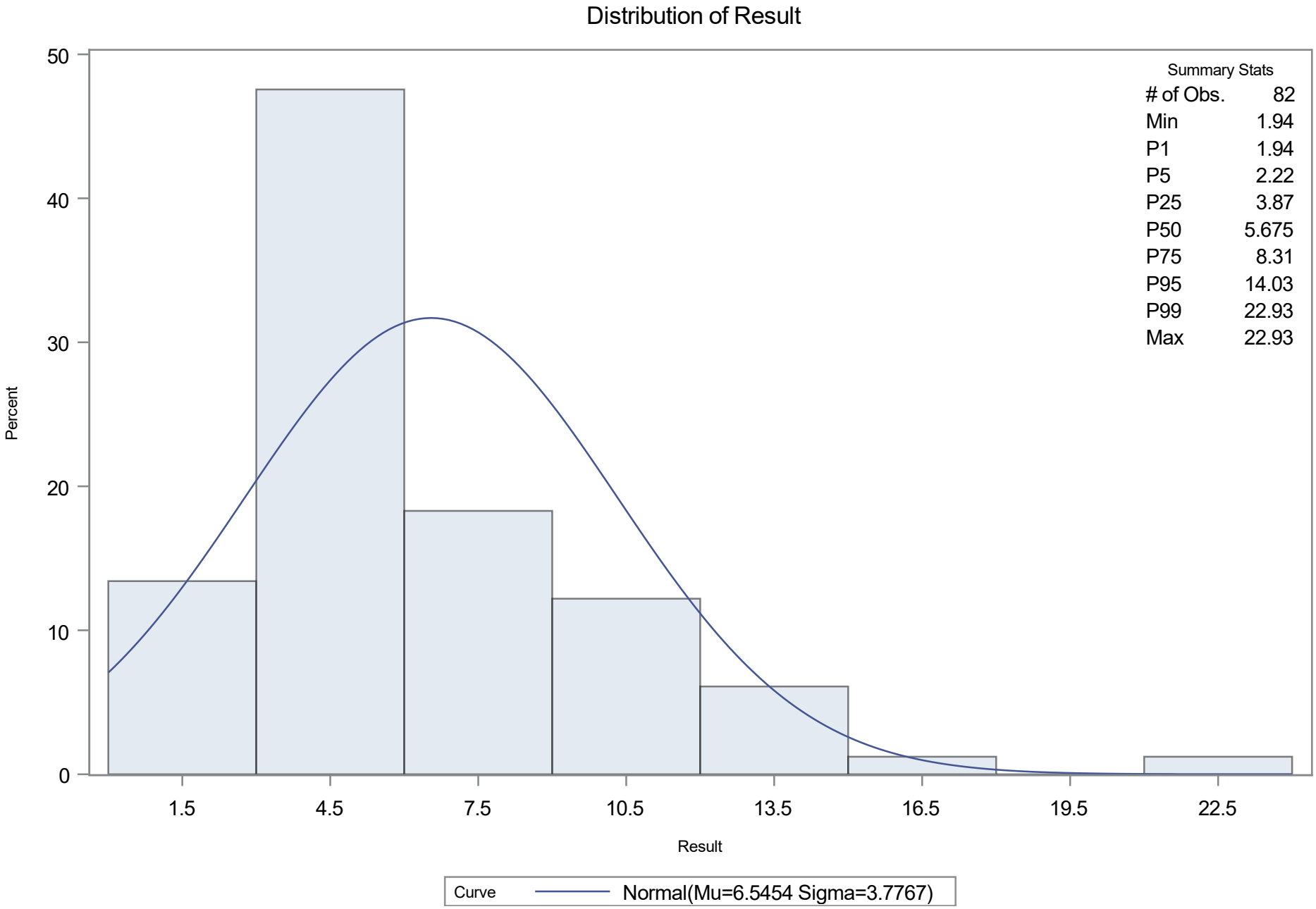

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1514
Result
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1514
Result
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.545366
Std Dev	Sigma	3.776667

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17343019	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.46726686	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.73132960	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.94000	-2.24048
5.0	2.22000	0.33330
10.0	2.90000	1.70537
25.0	3.87000	3.99804
50.0	5.67500	6.54537
75.0	8.31000	9.09269
90.0	11.30000	11.38536
95.0	14.03000	12.75743
99.0	22.93000	15.33121

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1514

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	3.58	5.32	7.31	7.49	8.50	14.03
P4	24	2.22	3.98	5.96	5.16	7.46	14.65
P5	41	1.94	3.74	6.57	5.18	7.98	22.93

Period of Record: January 1996 through December 2023
Analysis Days Only

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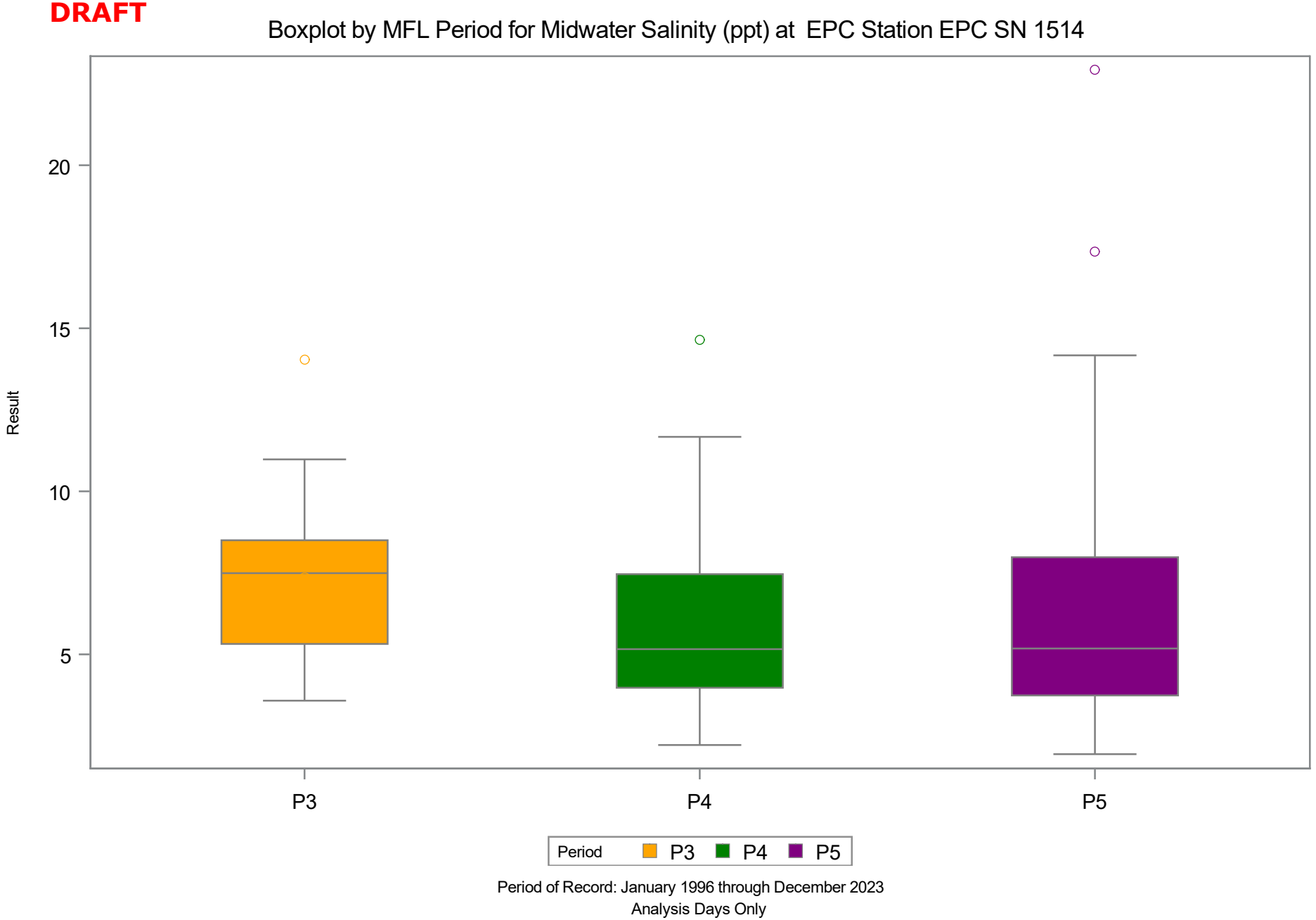
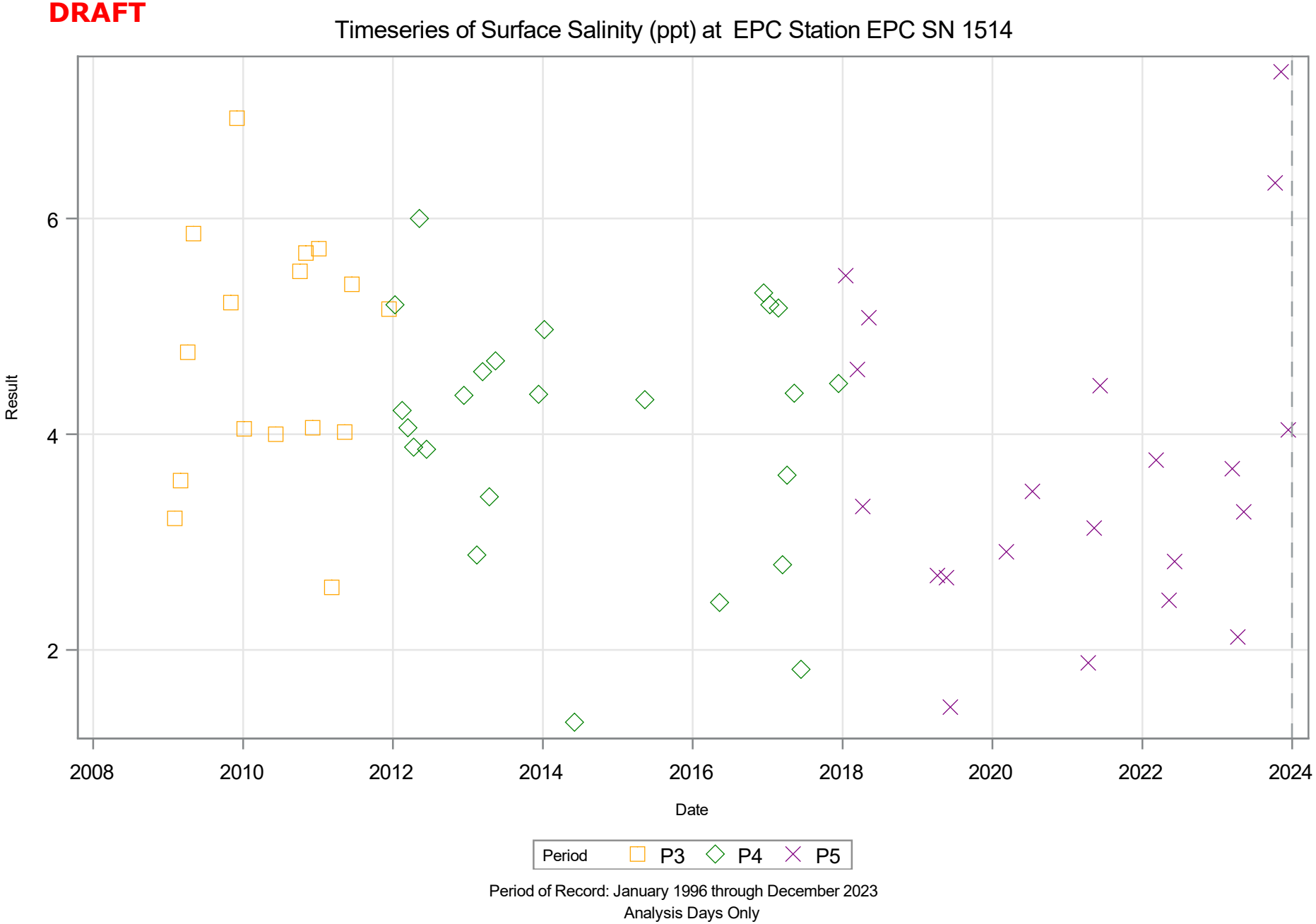
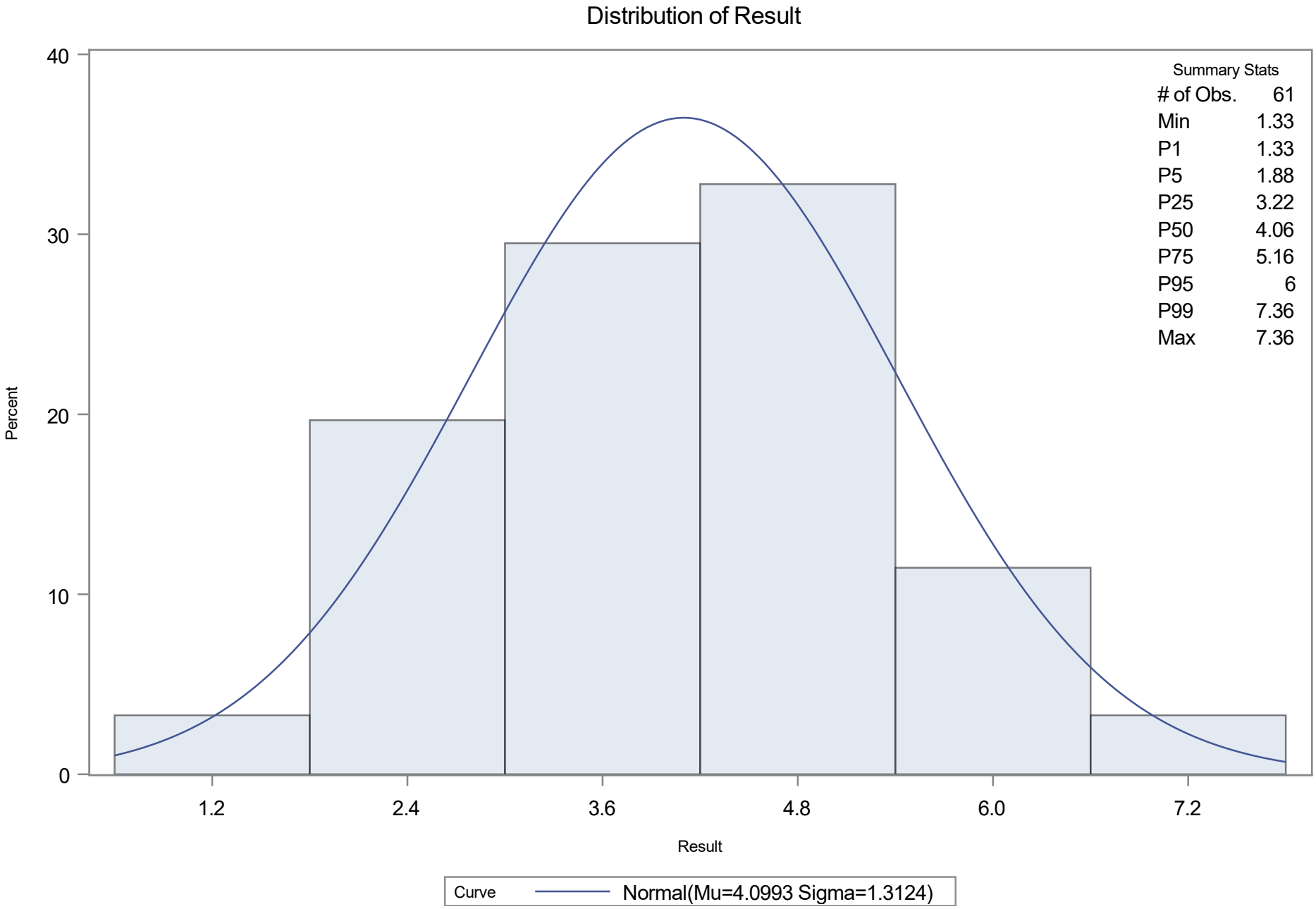

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1514
Result
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 1514
Result
6
4
2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.099344
Std Dev	Sigma	1.312403

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05280105	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.01892307	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.13315742	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.33000	1.04624
5.0	1.88000	1.94063
10.0	2.46000	2.41743
25.0	3.22000	3.21414
50.0	4.06000	4.09934
75.0	5.16000	4.98455
90.0	5.68000	5.78126
95.0	6.00000	6.25806
99.0	7.36000	7.15245

Period of Record: January 1996 through December 2023
Analysis Days Only

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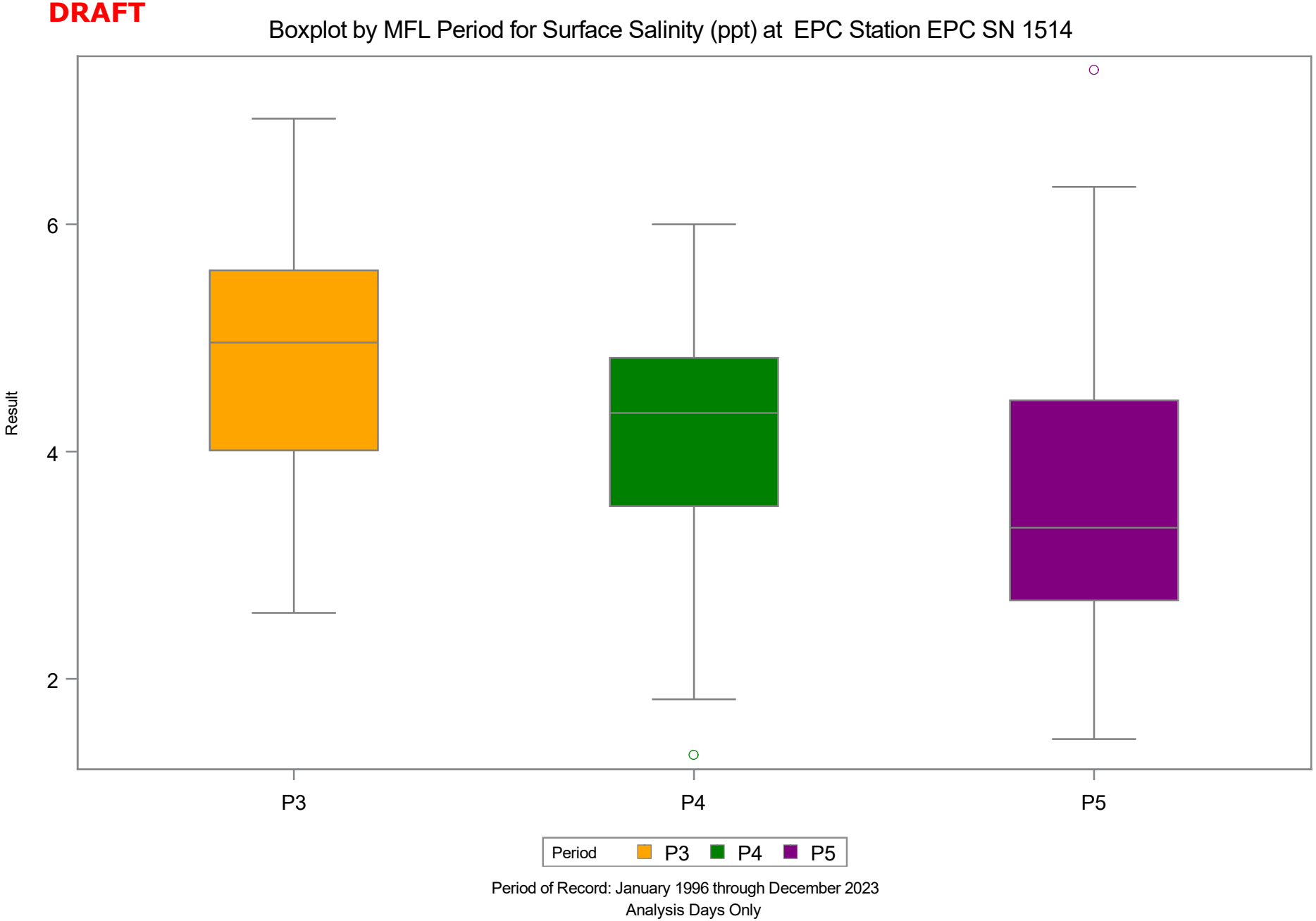
Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1514

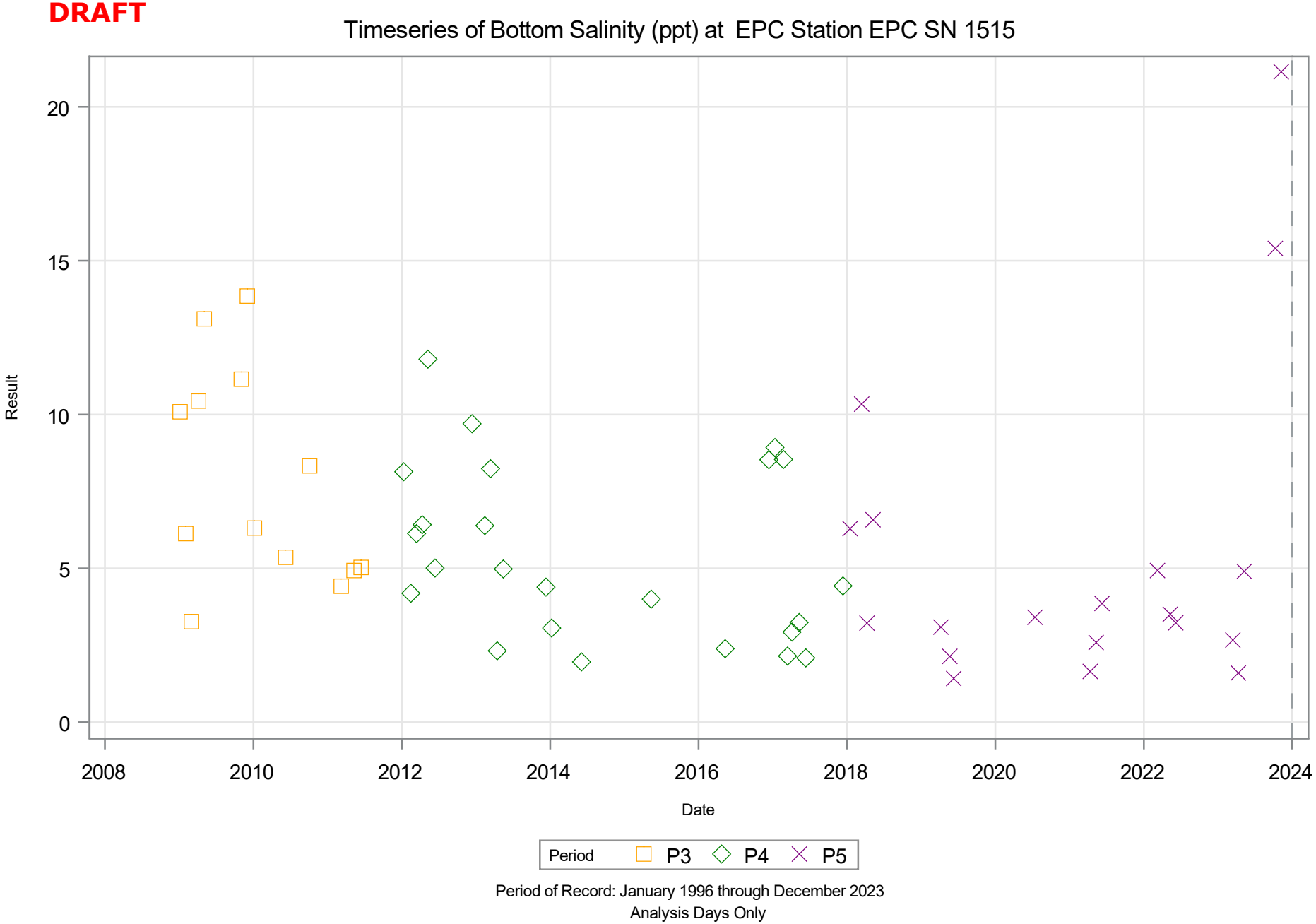
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	2.58	4.01	4.73	4.96	5.60	6.93
P4	24	1.33	3.52	4.06	4.34	4.83	6.00
P5	21	1.47	2.69	3.67	3.33	4.45	7.36

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

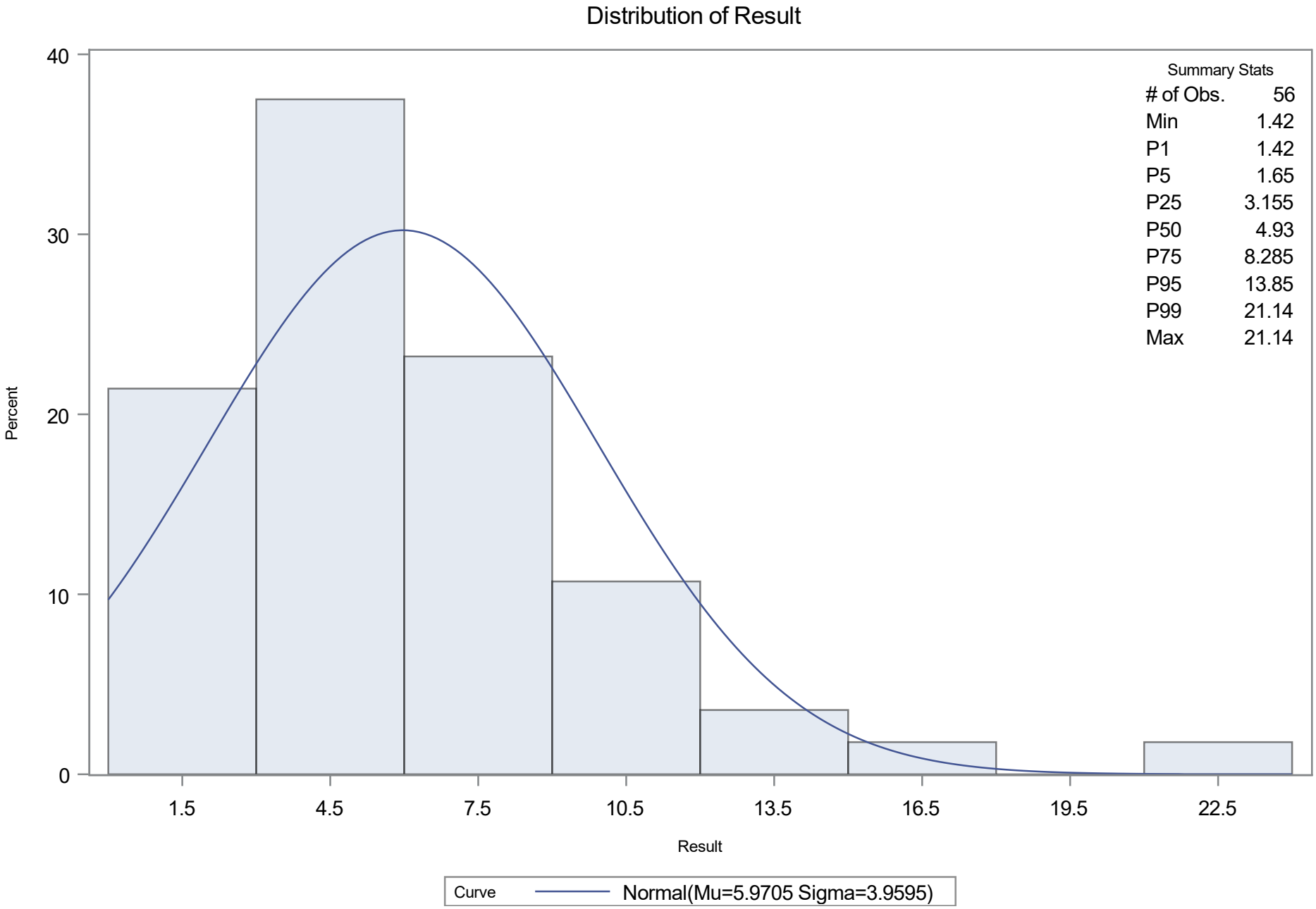

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1514
Result
6
4
2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 1515
Result
20
15
10
5
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.970536
Std Dev	Sigma	3.959468

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16530998	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33895650	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.98241597	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.42000	-3.24057
5.0	1.65000	-0.54221
10.0	2.14000	0.89627
25.0	3.15500	3.29991
50.0	4.93000	5.97054
75.0	8.28500	8.64116
90.0	11.15000	11.04480
95.0	13.85000	12.48328
99.0	21.14000	15.18164

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 1515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	3.27	5.03	7.88	6.31	10.44	13.85
P4	24	1.96	3.00	5.41	4.71	8.19	11.80
P5	19	1.42	2.59	5.37	3.41	6.29	21.14

Period of Record: January 1996 through December 2023
Analysis Days Only

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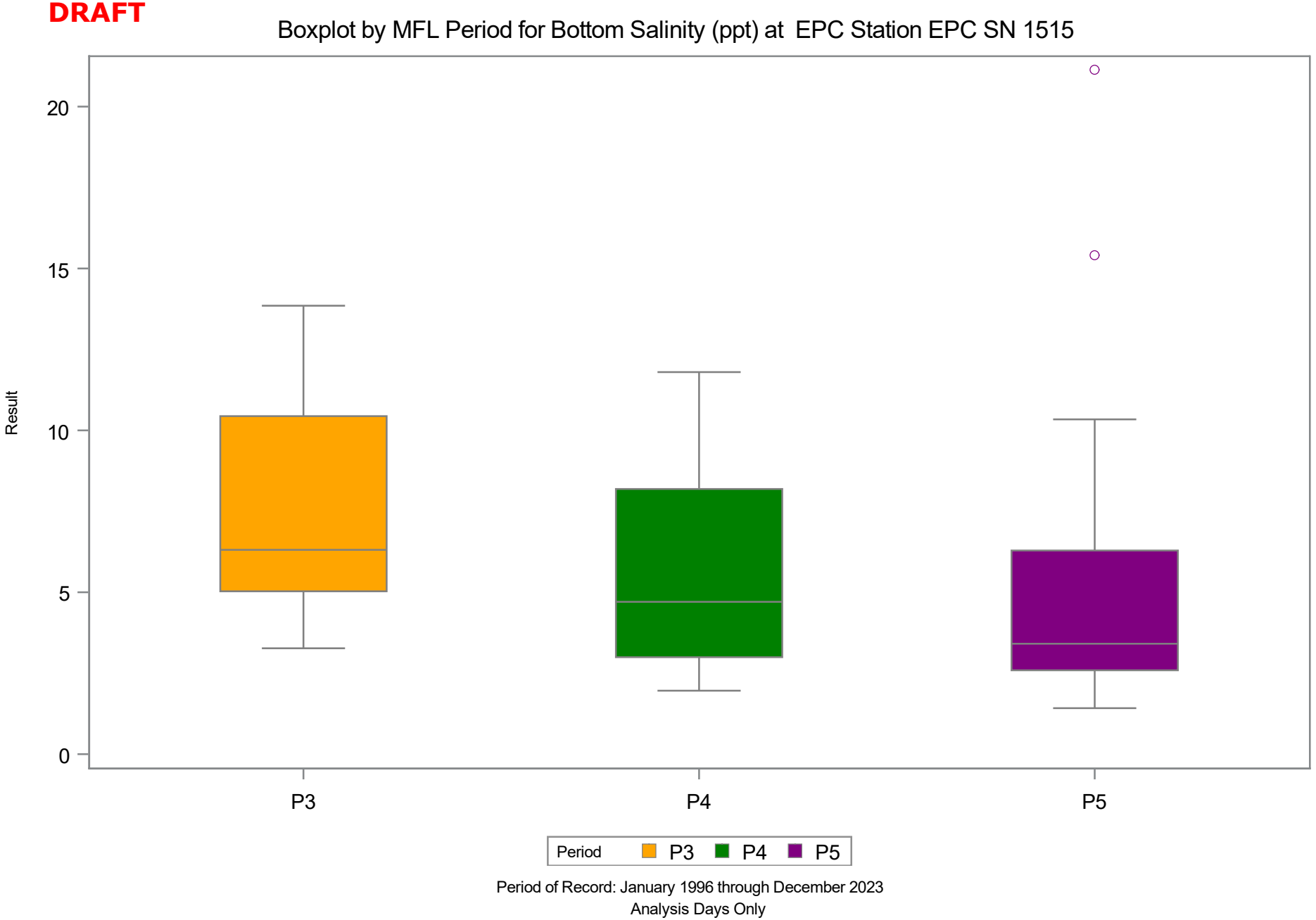
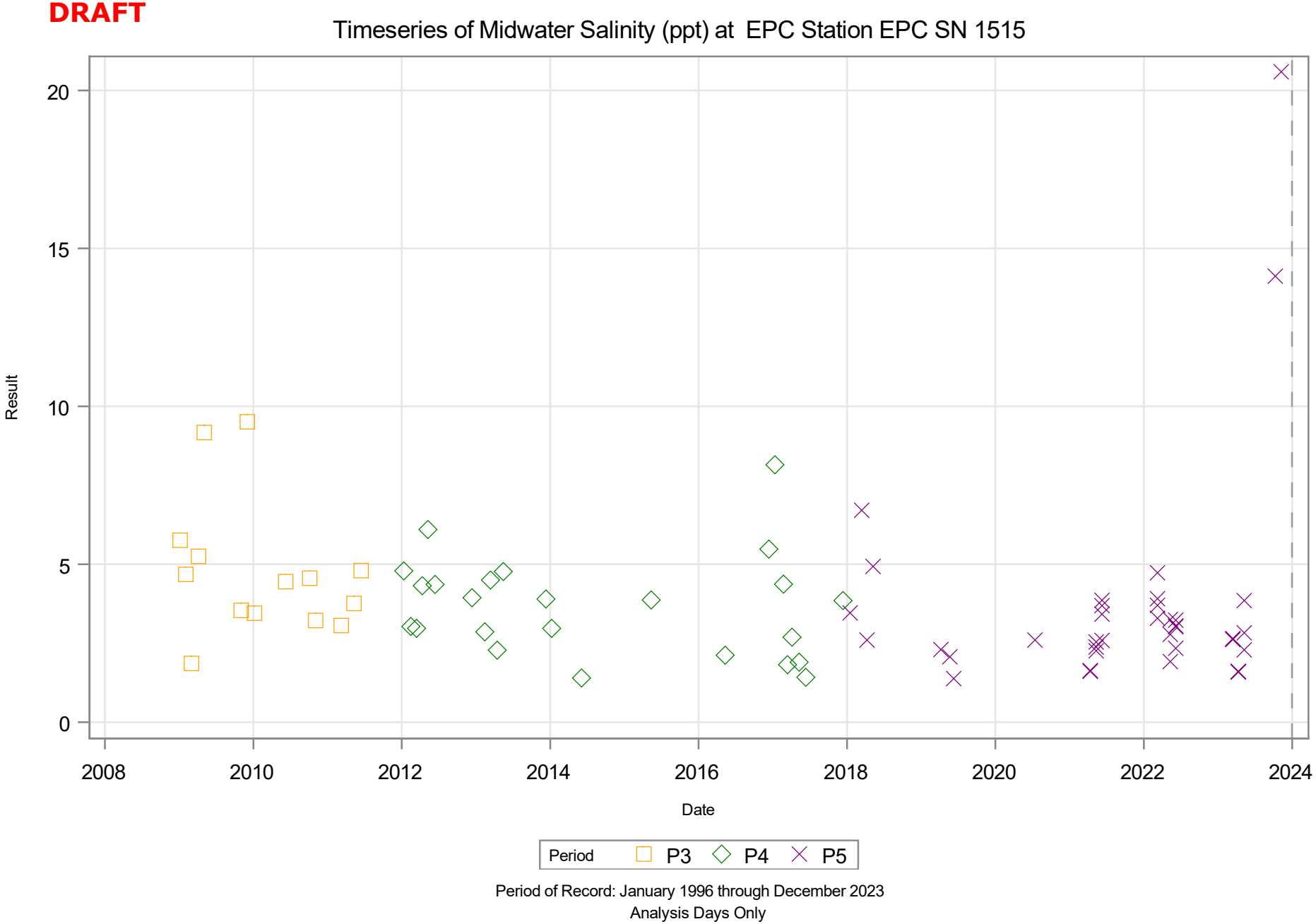
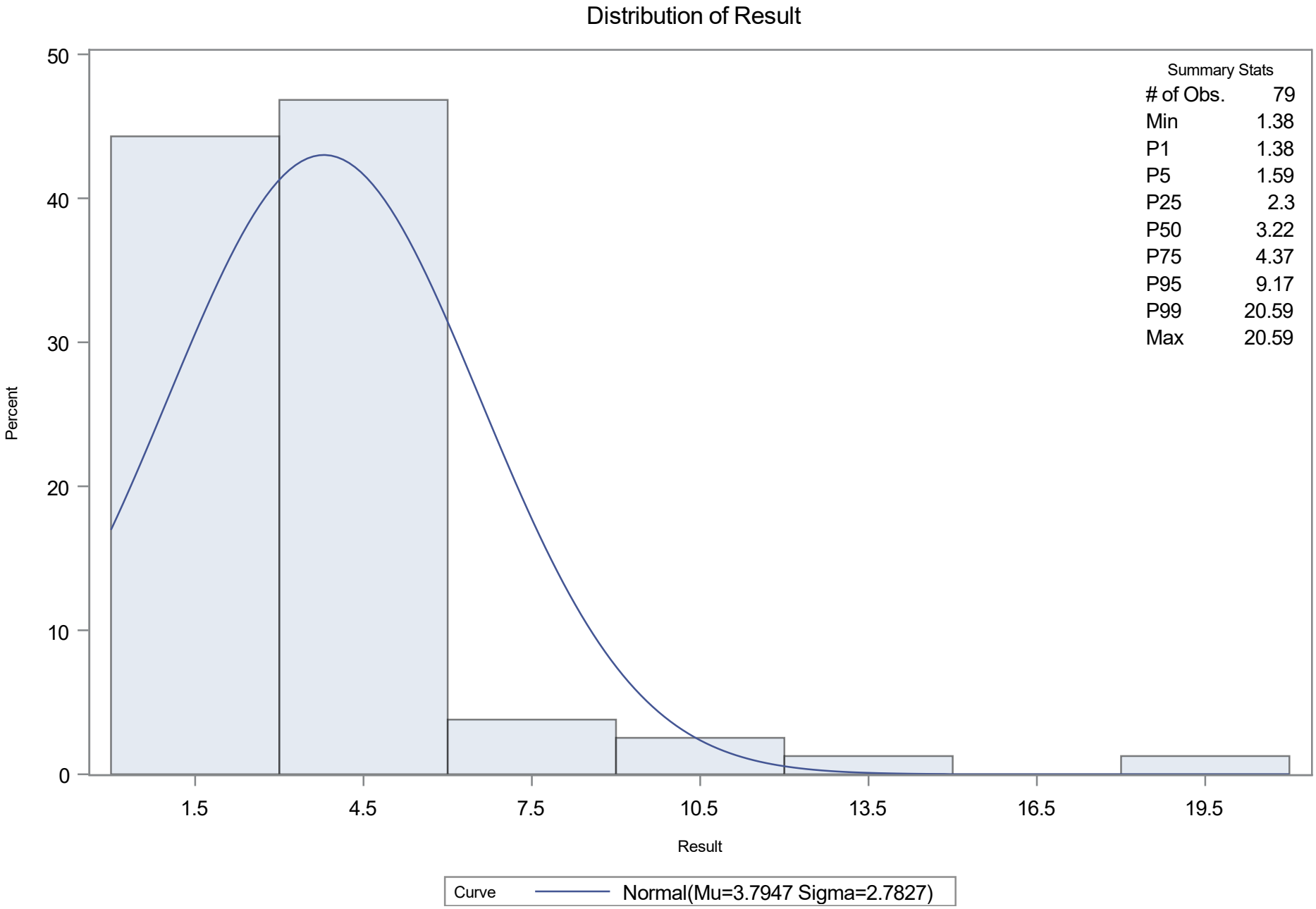

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 1515
Result
20
15
10
5
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 1515
Result
20
15
10
5
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.794684
Std Dev	Sigma	2.782651

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21970452	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.16987311	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.73915352	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.38000	-2.67873
5.0	1.59000	-0.78237
10.0	1.61000	0.22857
25.0	2.30000	1.91781
50.0	3.22000	3.79468
75.0	4.37000	5.67155
90.0	5.76000	7.36079
95.0	9.17000	8.37174
99.0	20.59000	10.26810

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 1515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	1.86	3.45	4.79	4.51	5.25	9.51
P4	24	1.40	2.49	3.66	3.86	4.44	8.15
P5	41	1.38	2.26	3.53	2.62	3.46	20.59

Period of Record: January 1996 through December 2023
Analysis Days Only

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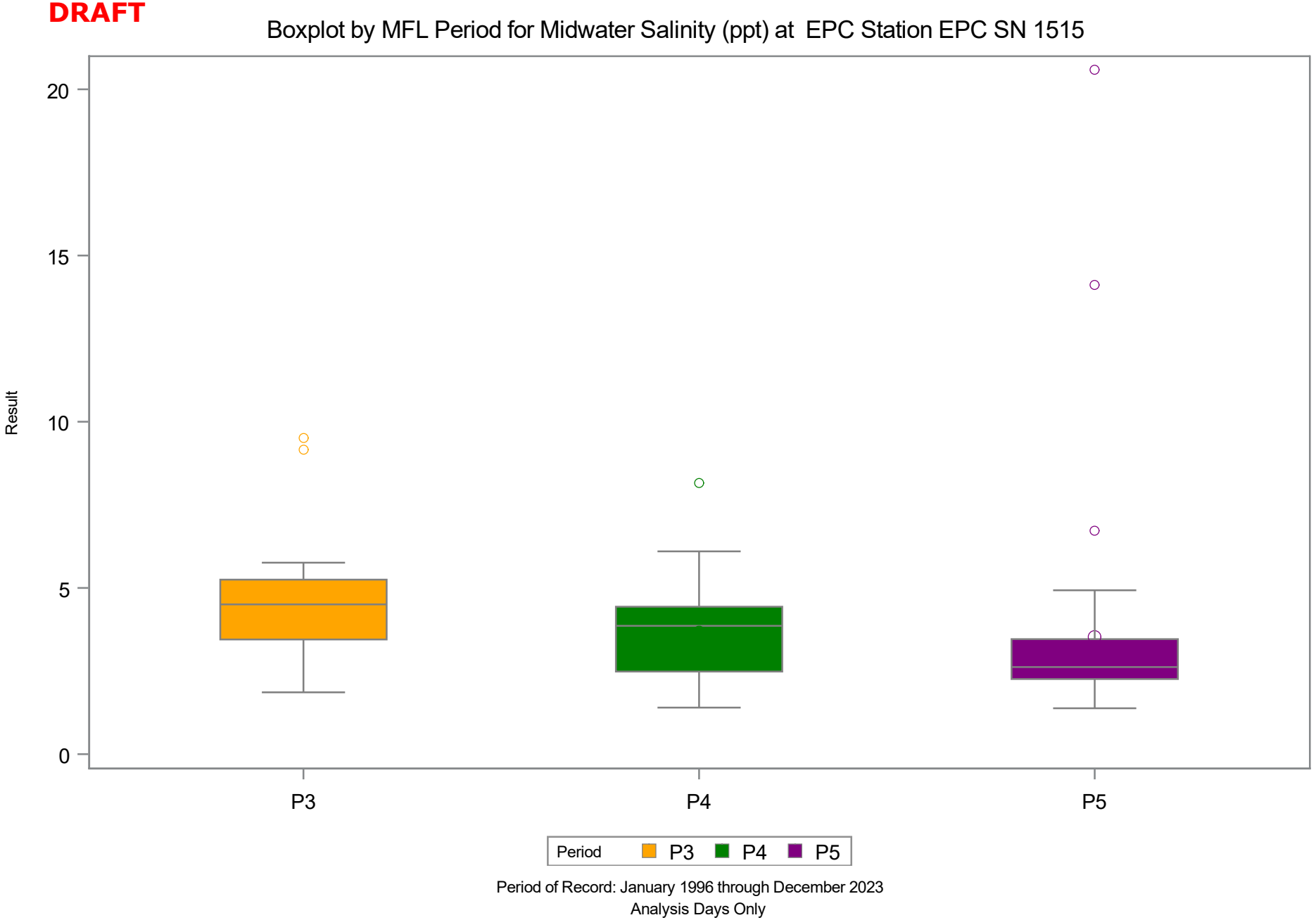
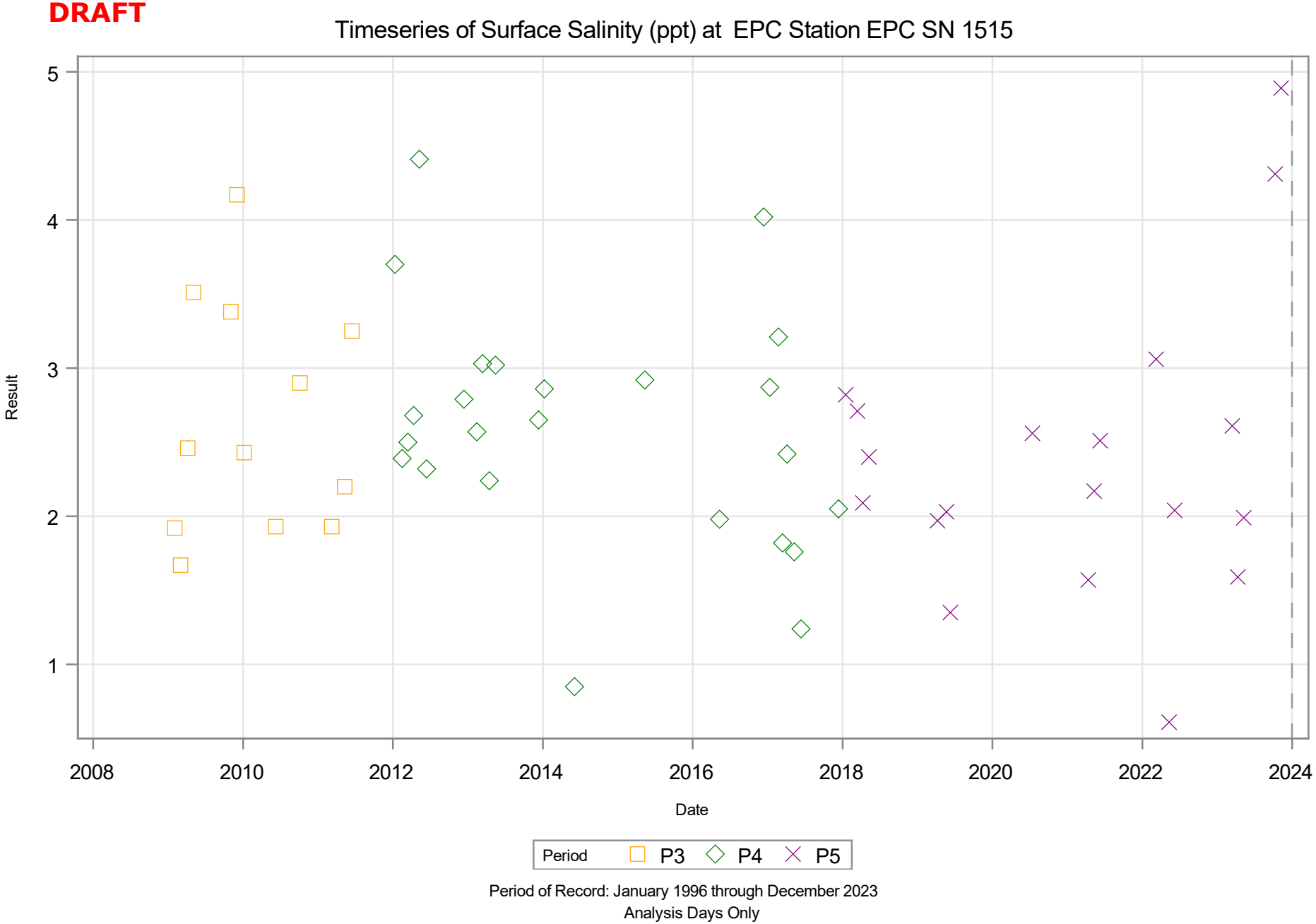

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 1515
Result
20
15
10
5
0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

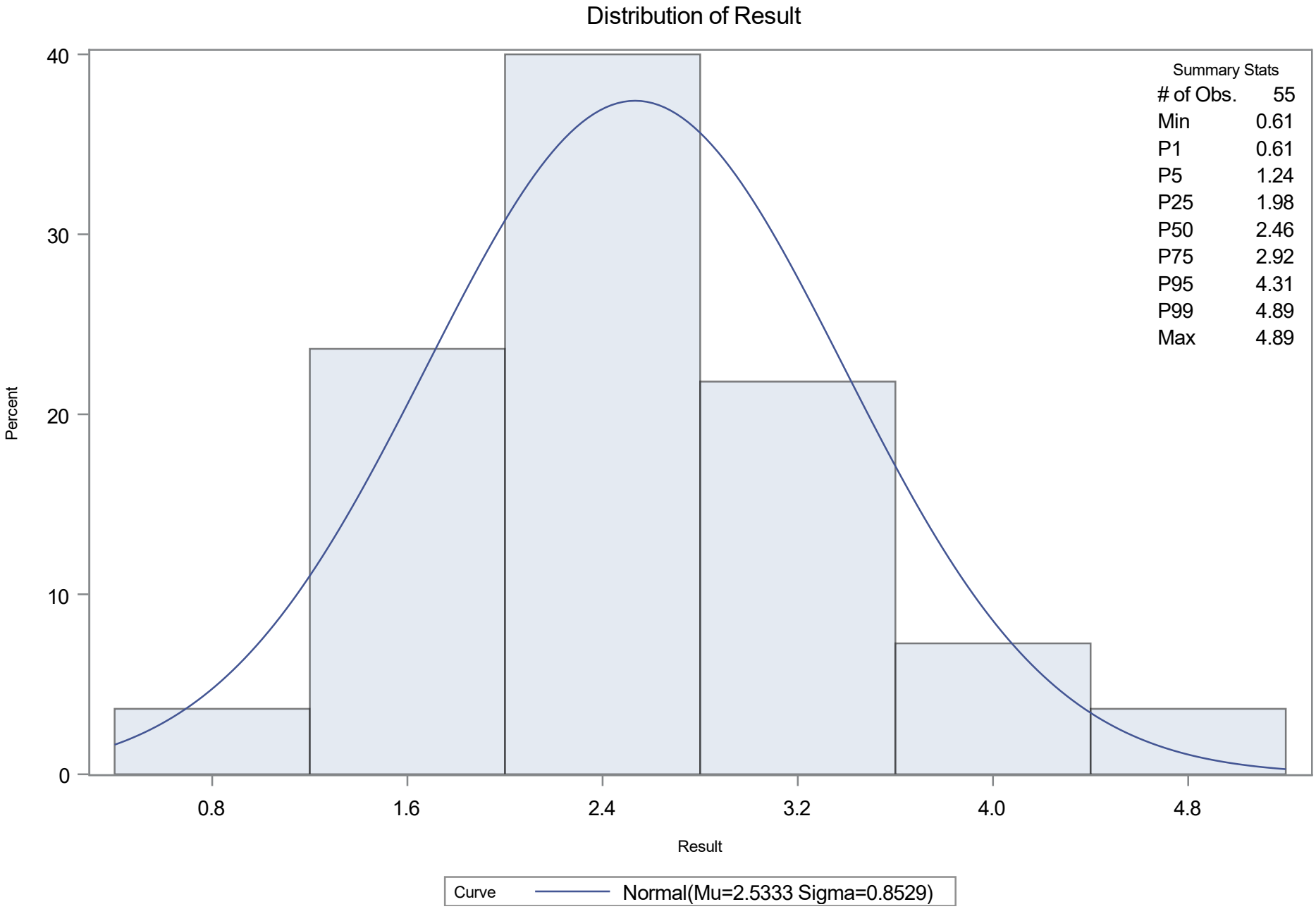
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.533273
Std Dev	Sigma	0.852893

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08875589	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09361434	**Pr > W-Sq**	0.137
Anderson-Darling	**A-Sq**	0.60229623	**Pr > A-Sq**	0.114

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.61000	0.54915
5.0	1.24000	1.13039
10.0	1.59000	1.44025
25.0	1.98000	1.95801
50.0	2.46000	2.53327
75.0	2.92000	3.10854
90.0	3.70000	3.62630
95.0	4.31000	3.93616
99.0	4.89000	4.51740

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 1515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	12	1.67	1.93	2.65	2.45	3.32	4.17
P4	24	0.85	2.15	2.60	2.61	2.97	4.41
P5	19	0.61	1.97	2.38	2.17	2.71	4.89

Period of Record: January 1996 through December 2023
Analysis Days Only

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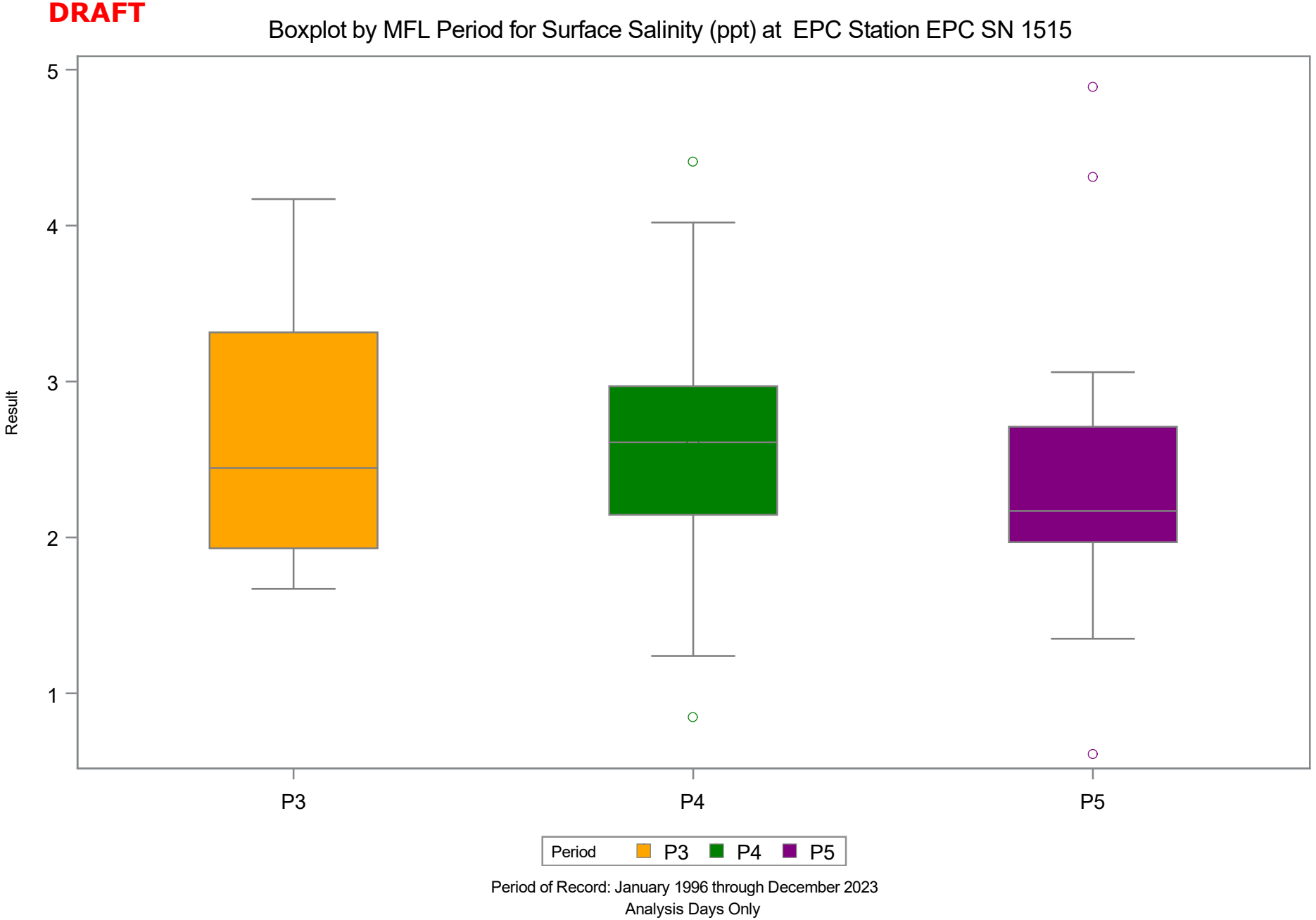
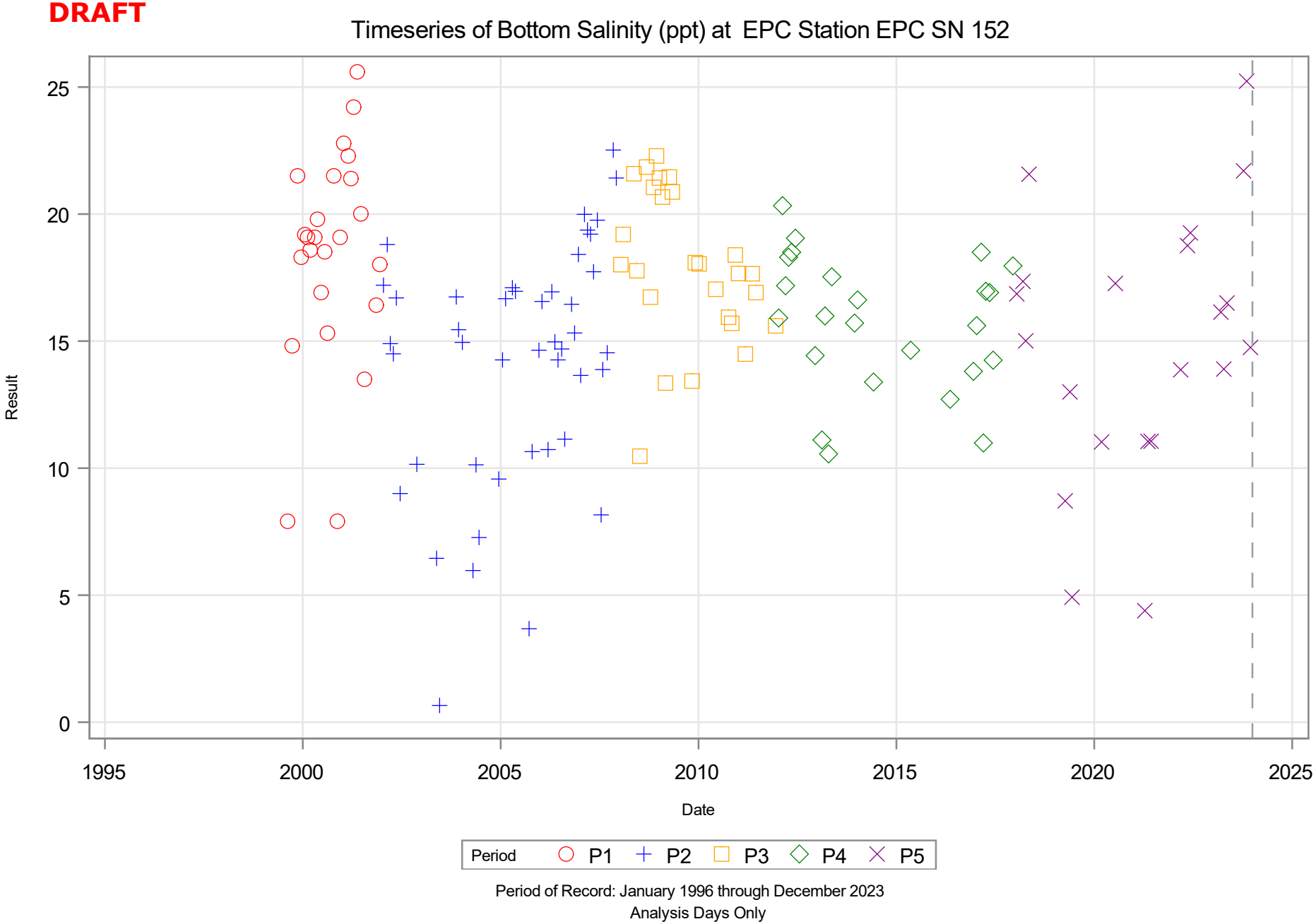
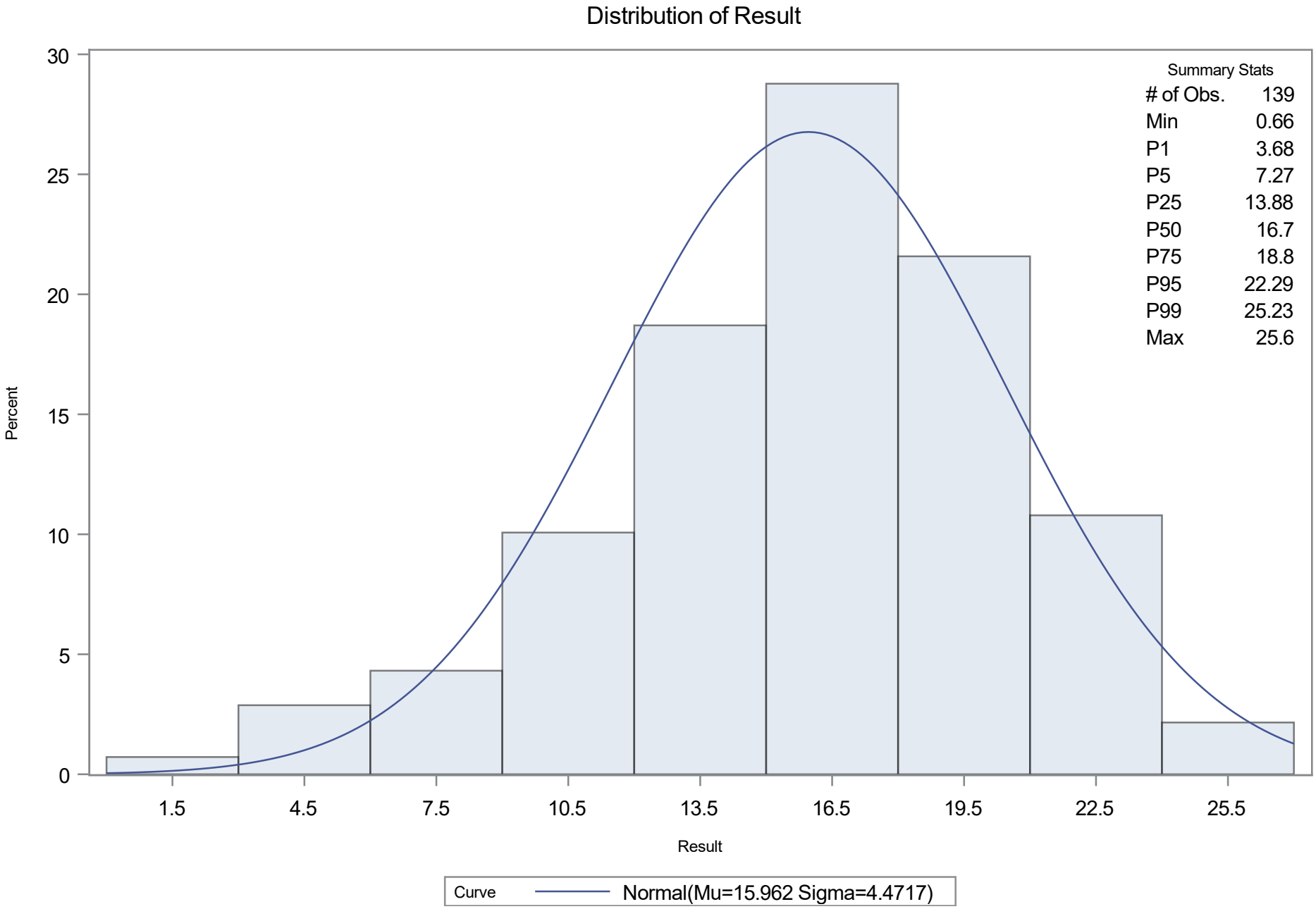

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 1515
Result
5
4
3
2
1
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 152
Result
25
20
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.96223
Std Dev	Sigma	4.471673

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09190193	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27040768	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.55443844	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.68000	5.55956
5.0	7.27000	8.60698
10.0	10.13000	10.23155
25.0	13.88000	12.94613
50.0	16.70000	15.96223
75.0	18.80000	18.97833
90.0	21.46000	21.69291
95.0	22.29000	23.31748
99.0	25.23000	26.36490

Period of Record: January 1996 through December 2023
Analysis Days Only

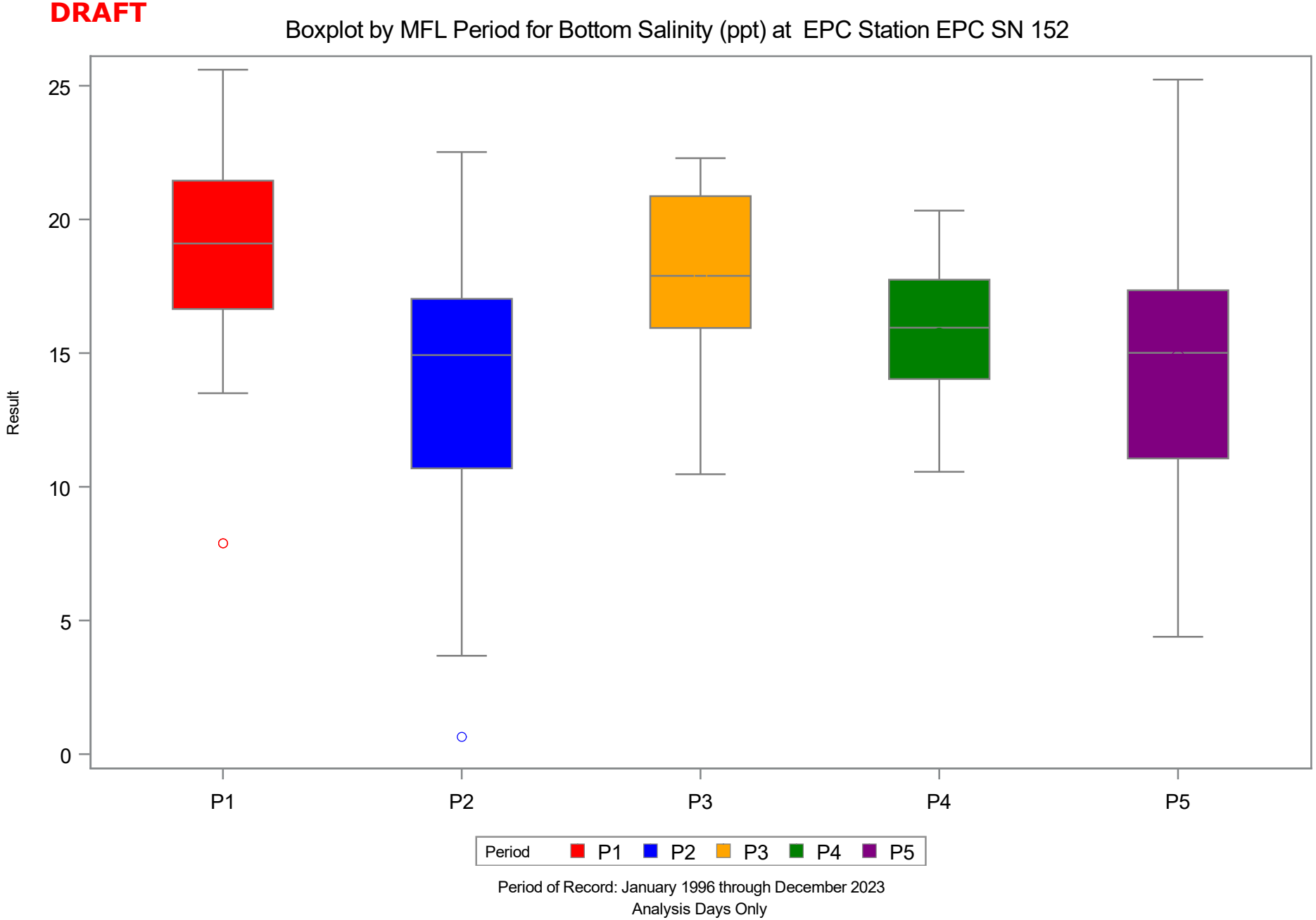
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 152

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	7.90	16.65	18.40	19.10	21.45	25.60
P2	44	0.66	10.69	14.14	14.93	17.03	22.52
P3	26	10.47	15.94	17.91	17.89	20.87	22.29
P4	24	10.56	14.03	15.71	15.95	17.75	20.33
P5	21	4.39	11.06	14.87	15.01	17.35	25.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 152
Result
25
20
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

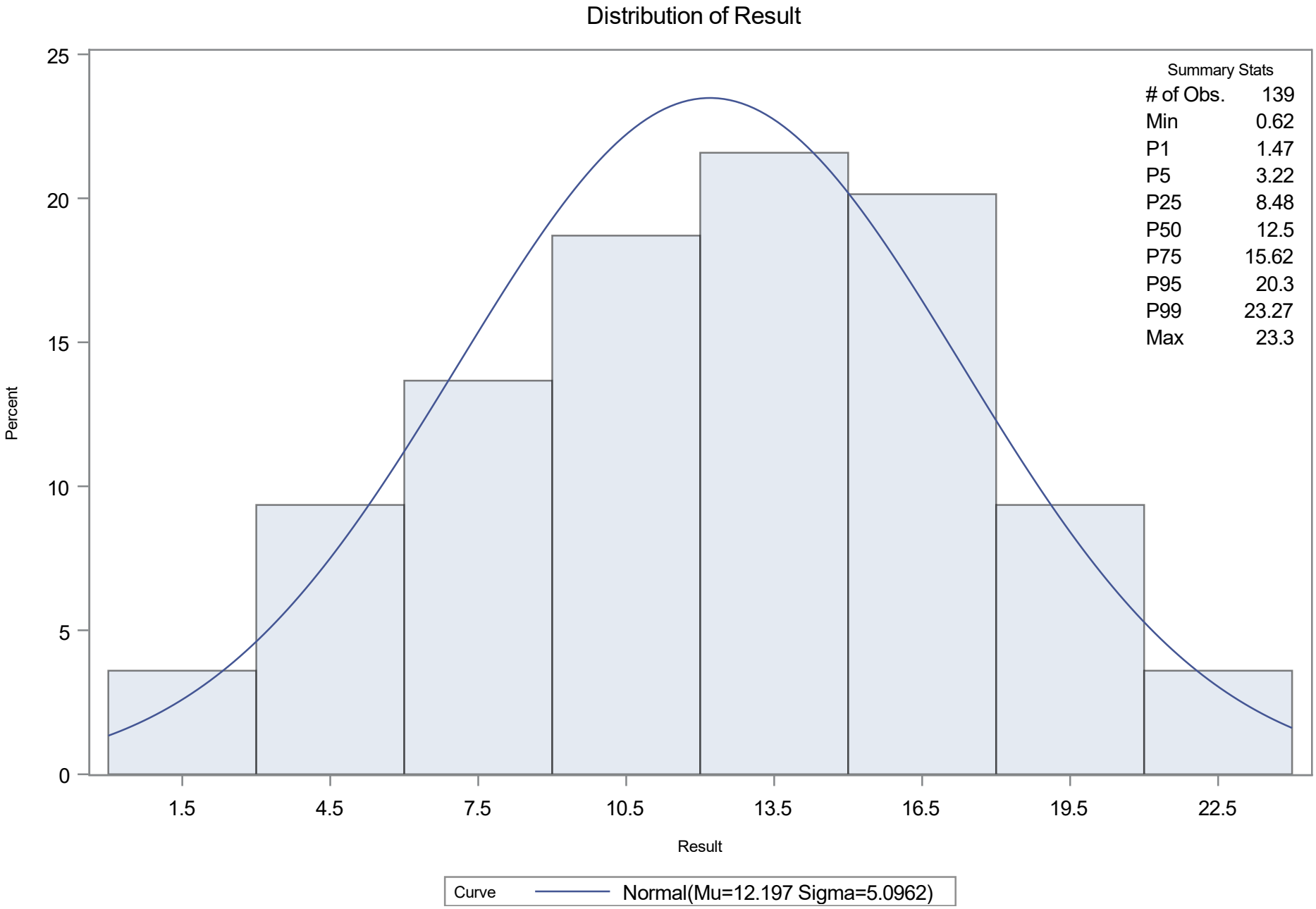
DRAFT

Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 152

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.19698
Std Dev	Sigma	5.096193

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08952855	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.11457686	**Pr > W-Sq**	0.075
Anderson-Darling	**A-Sq**	0.63988436	**Pr > A-Sq**	0.095

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.47000	0.34146
5.0	3.22000	3.81449
10.0	4.89000	5.66594
25.0	8.48000	8.75965
50.0	12.50000	12.19698
75.0	15.62000	15.63431
90.0	18.80000	18.72801
95.0	20.30000	20.57947
99.0	23.27000	24.05250

Period of Record: January 1996 through December 2023
Analysis Days Only

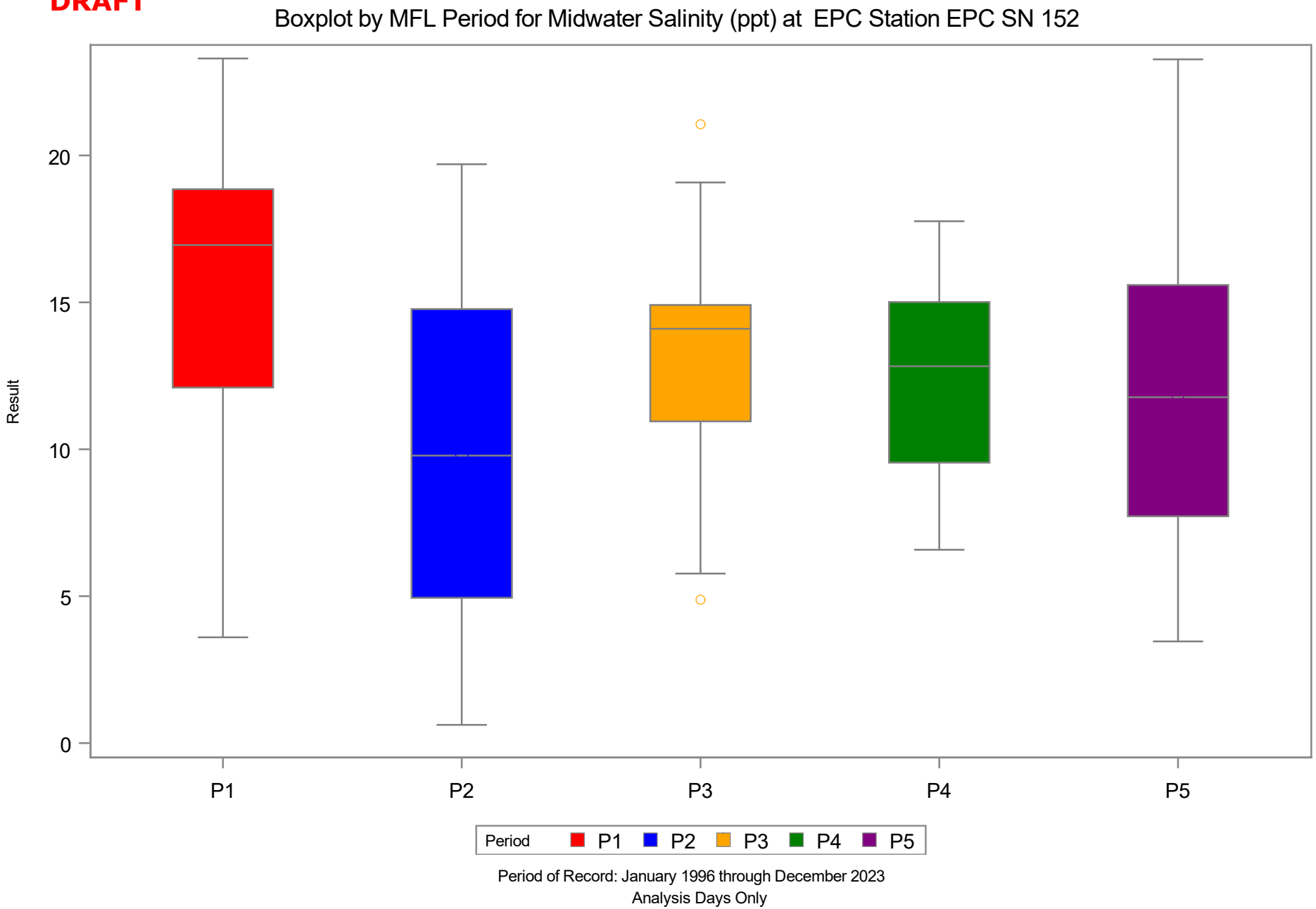
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 152

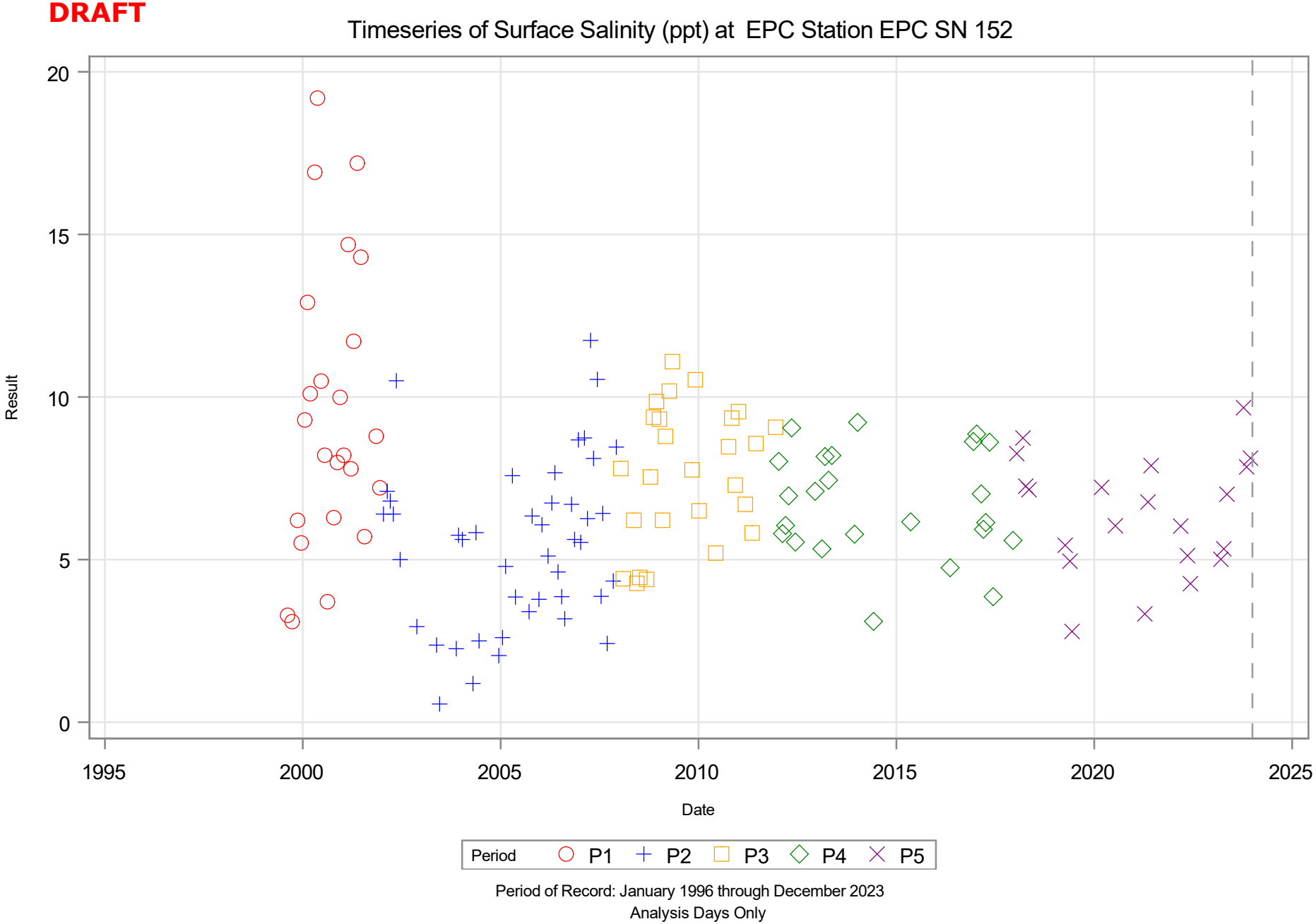
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	3.60	12.10	15.50	16.95	18.85	23.30
P2	44	0.62	4.95	9.85	9.79	14.77	19.70
P3	26	4.89	10.95	13.21	14.10	14.91	21.05
P4	24	6.58	9.55	12.40	12.83	15.01	17.76
P5	21	3.46	7.72	11.86	11.77	15.59	23.27

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

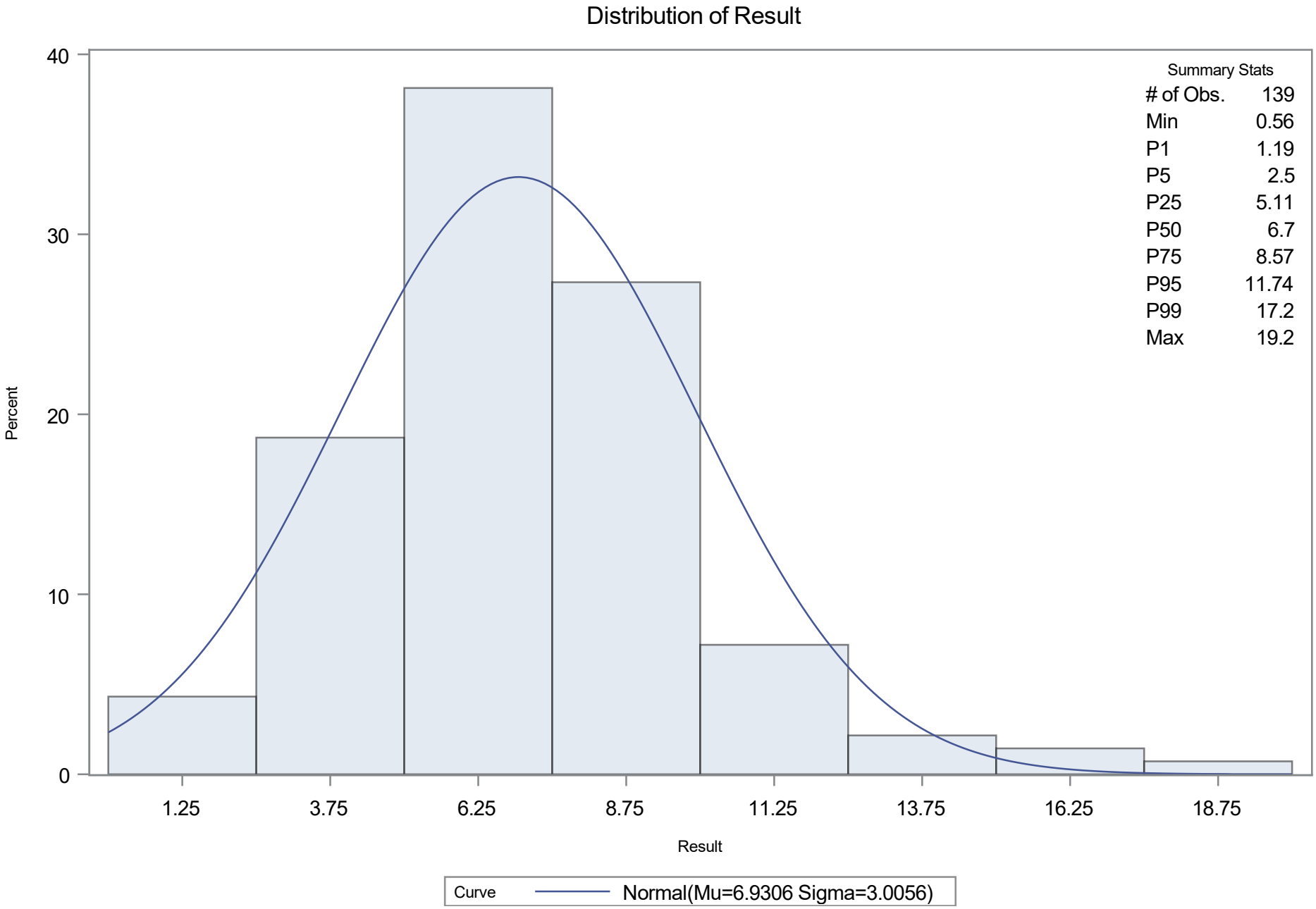

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 152
Result
0
5
10
15
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 152
Result
20
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.930576
Std Dev	Sigma	3.00564

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07340747	**Pr > D**	0.066
Cramer-von Mises	**W-Sq**	0.17631858	**Pr > W-Sq**	0.011
Anderson-Darling	**A-Sq**	1.36282319	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.19000	-0.06159
5.0	2.50000	1.98674
10.0	3.30000	3.07869
25.0	5.11000	4.90330
50.0	6.70000	6.93058
75.0	8.57000	8.95785
90.0	10.18000	10.78246
95.0	11.74000	11.87441
99.0	17.20000	13.92274

Period of Record: January 1996 through December 2023
Analysis Days Only

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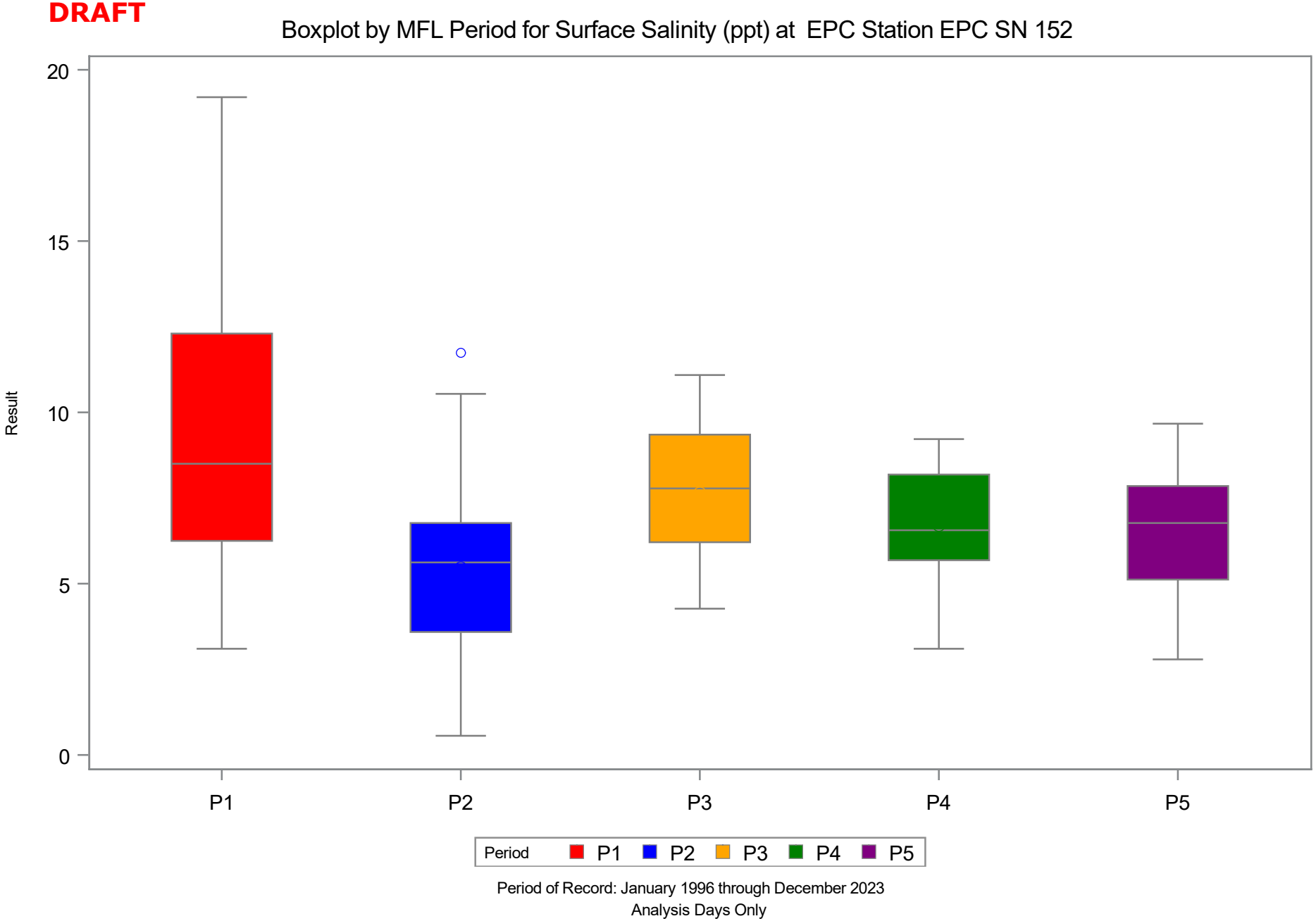
Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 152

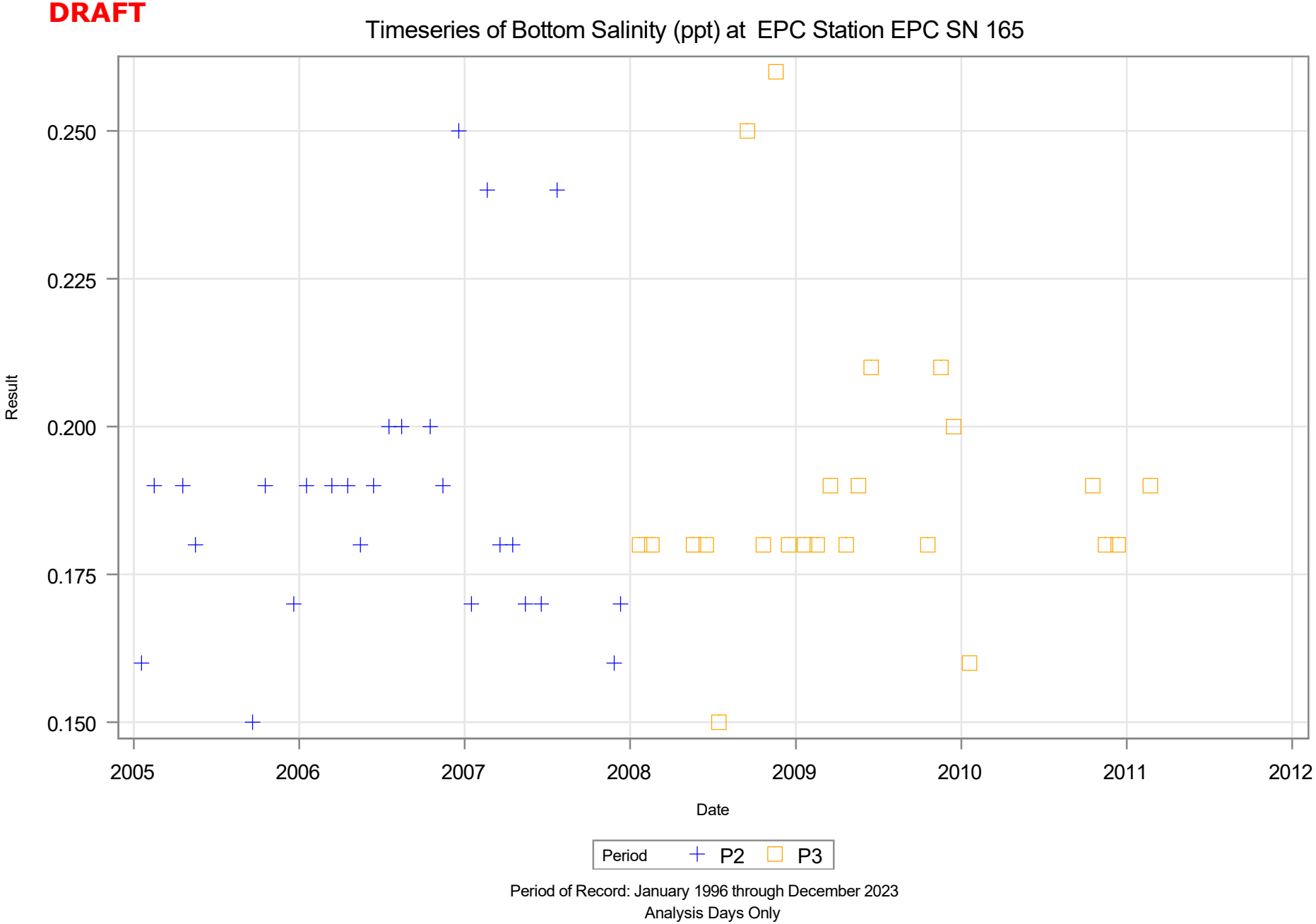
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	3.10	6.25	9.53	8.50	12.30	19.20
P2	44	0.56	3.59	5.46	5.62	6.77	11.74
P3	26	4.27	6.21	7.64	7.78	9.35	11.09
P4	24	3.10	5.69	6.72	6.56	8.19	9.22
P5	21	2.79	5.12	6.39	6.77	7.85	9.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

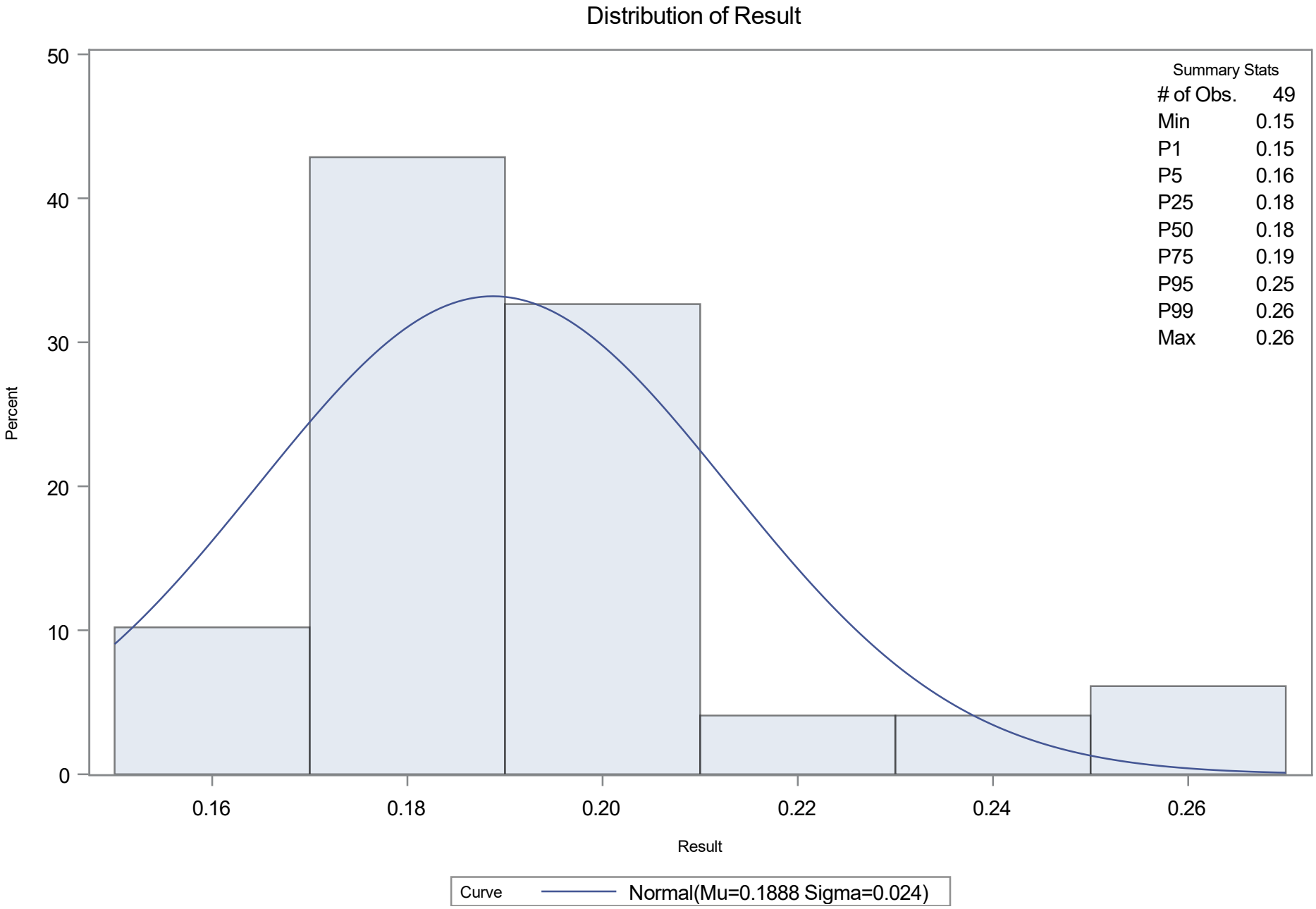

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 152
Result
20
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 165
Result
0.250
0.225
0.200
0.175
0.150
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.188776
Std Dev	Sigma	0.024034

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25519364	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.54687290	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.03264392	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	0.13286
5.0	0.16000	0.14924
10.0	0.16000	0.15797
25.0	0.18000	0.17256
50.0	0.18000	0.18878
75.0	0.19000	0.20499
90.0	0.24000	0.21958
95.0	0.25000	0.22831
99.0	0.26000	0.24469

Period of Record: January 1996 through December 2023
Analysis Days Only

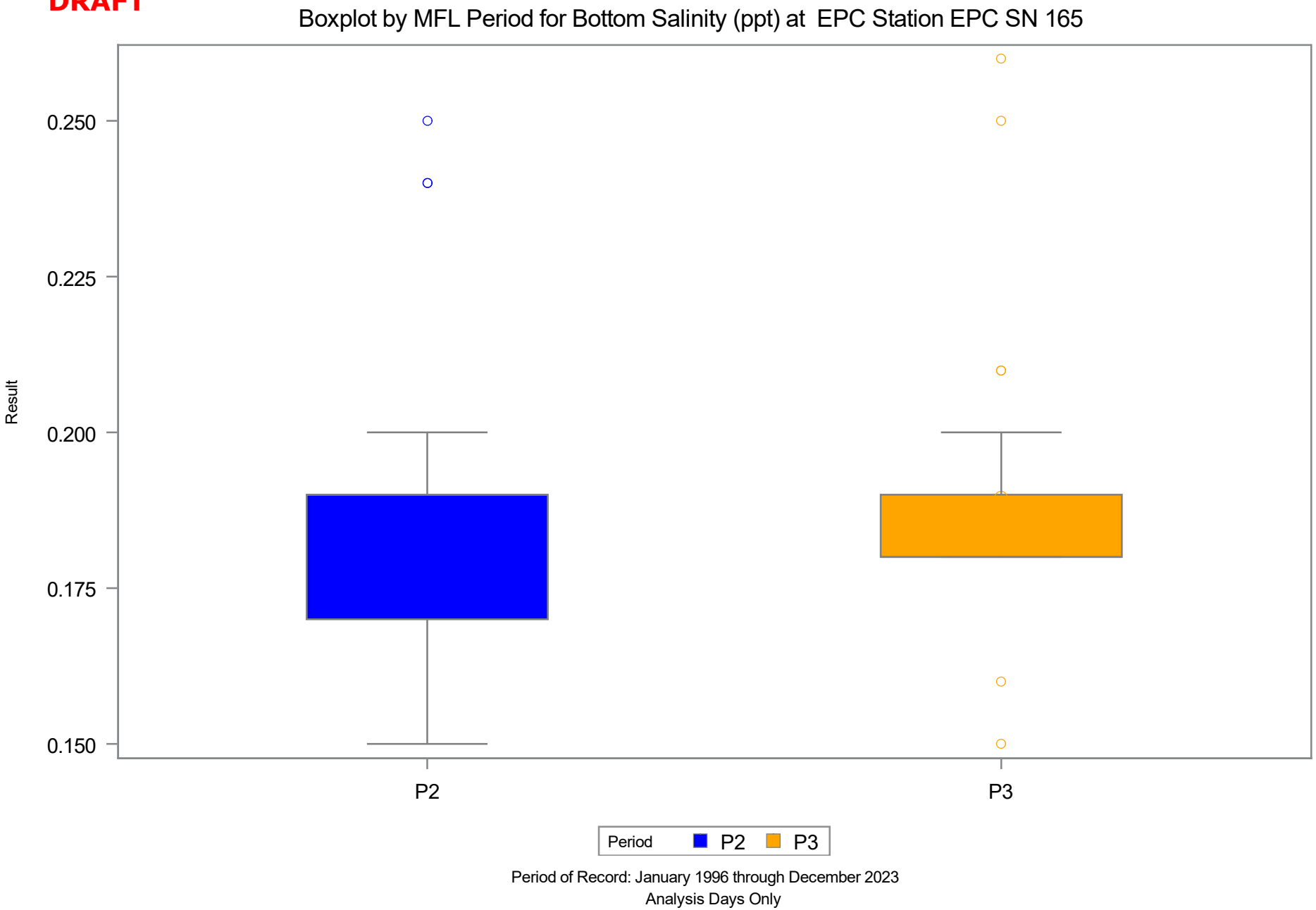
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 165

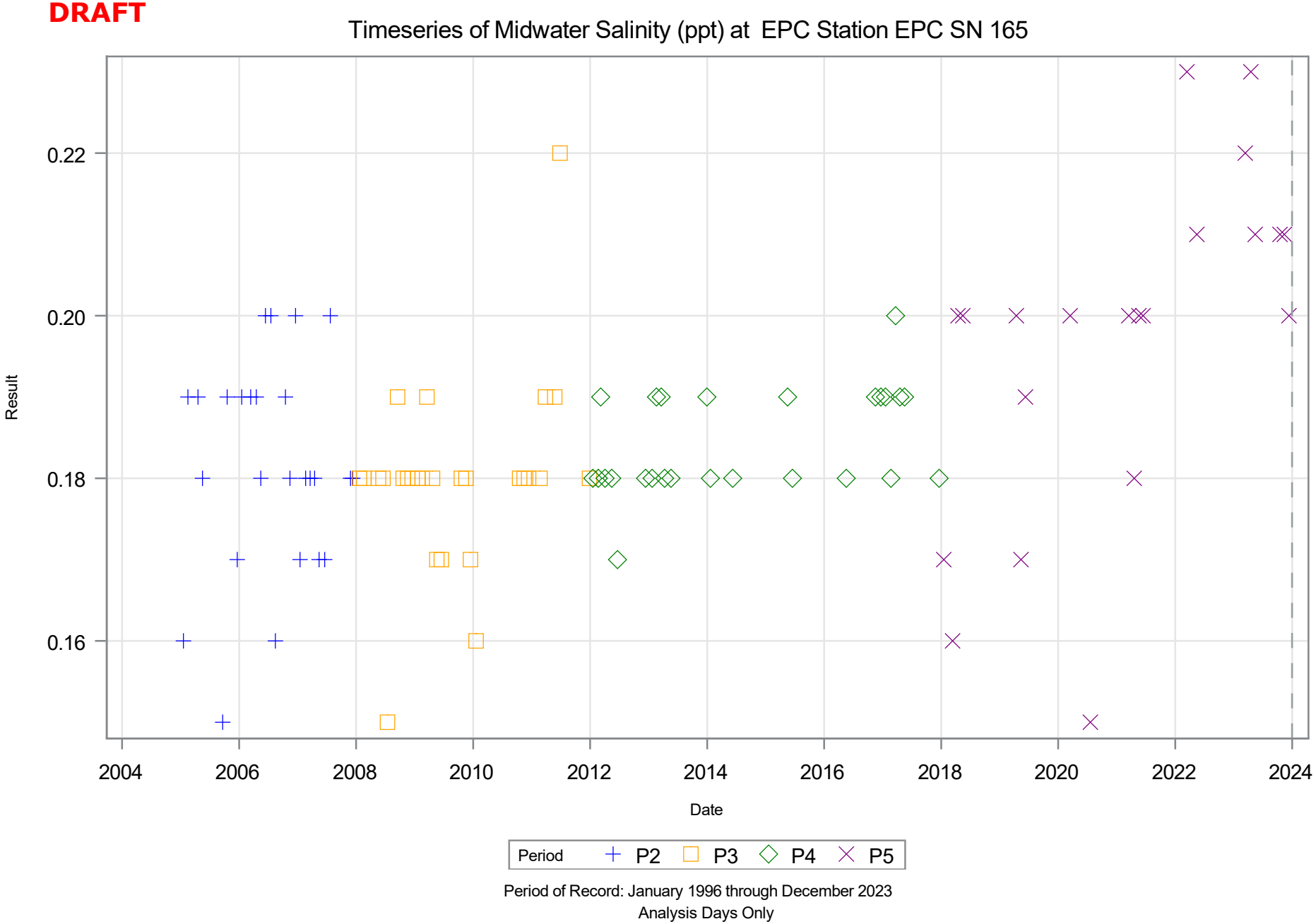
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	0.15	0.17	0.19	0.19	0.19	0.25
P3	23	0.15	0.18	0.19	0.18	0.19	0.26

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

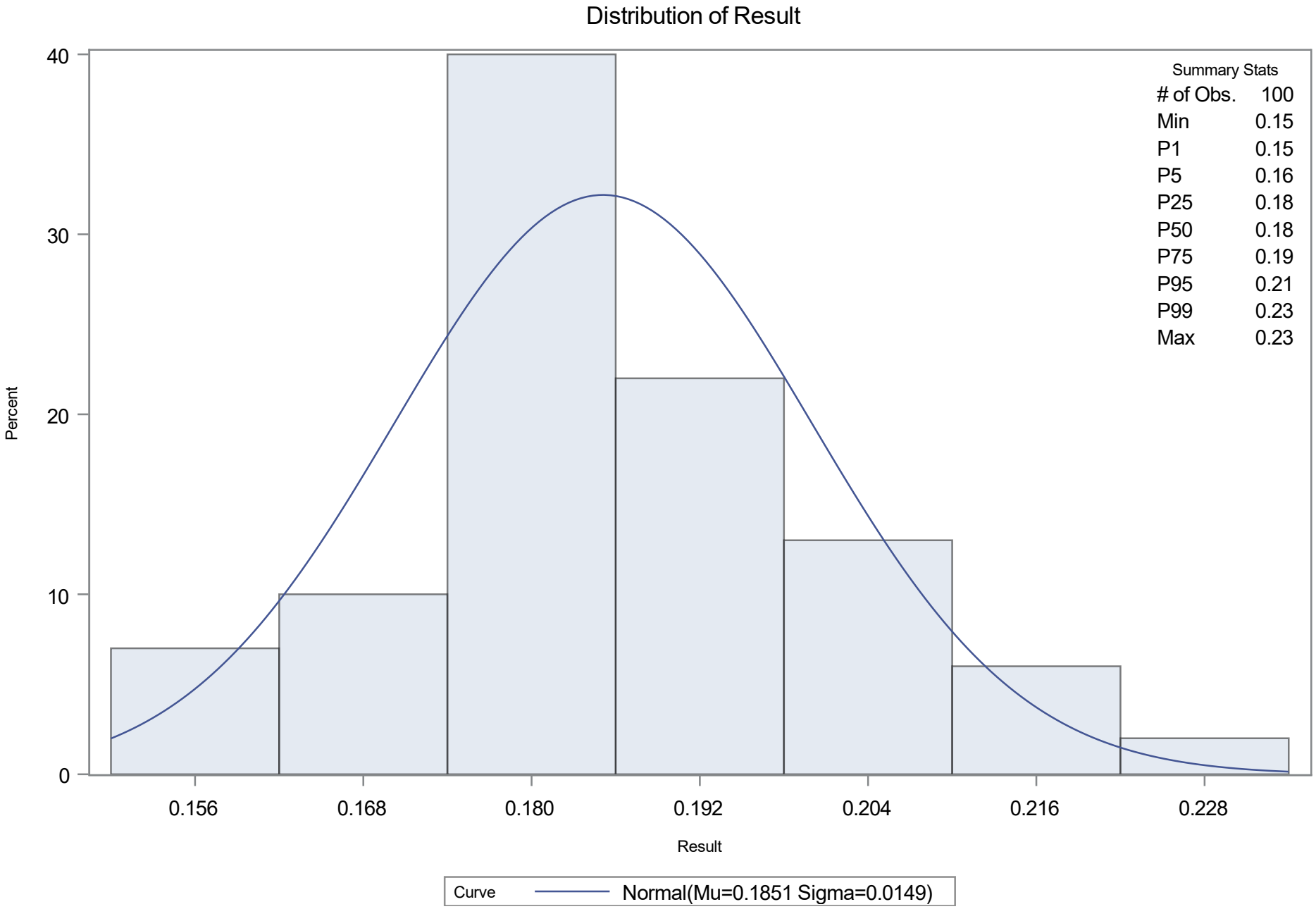

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 165
Result
0.250
0.225
0.200
0.175
0.150
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 165
Result
0.22
0.20
0.18
0.16
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.1851
Std Dev	Sigma	0.014873

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20416557	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.72418858	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.53352959	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	0.15050
5.0	0.16000	0.16064
10.0	0.17000	0.16604
25.0	0.18000	0.17507
50.0	0.18000	0.18510
75.0	0.19000	0.19513
90.0	0.20000	0.20416
95.0	0.21000	0.20956
99.0	0.23000	0.21970

Period of Record: January 1996 through December 2023
Analysis Days Only

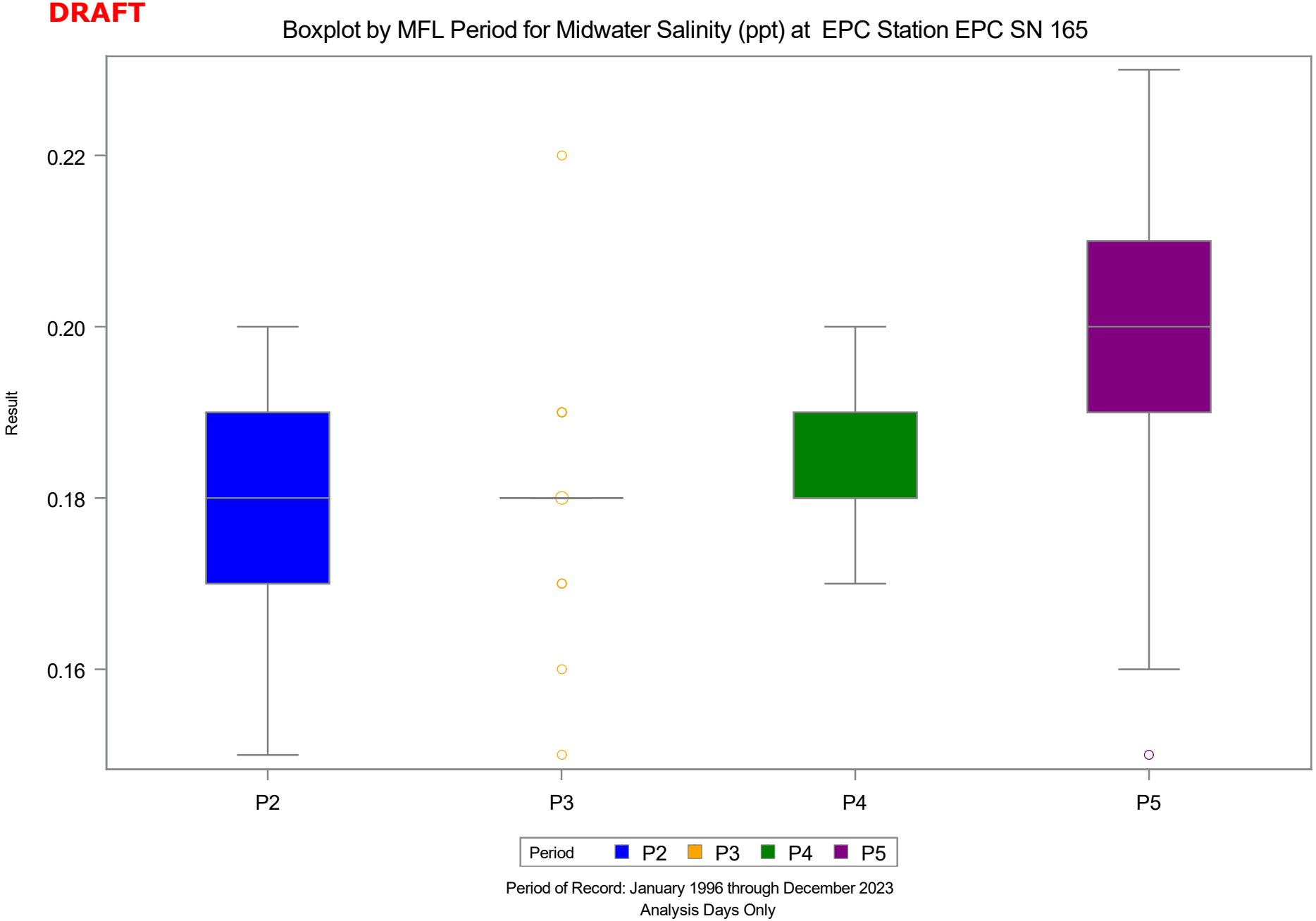
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 165

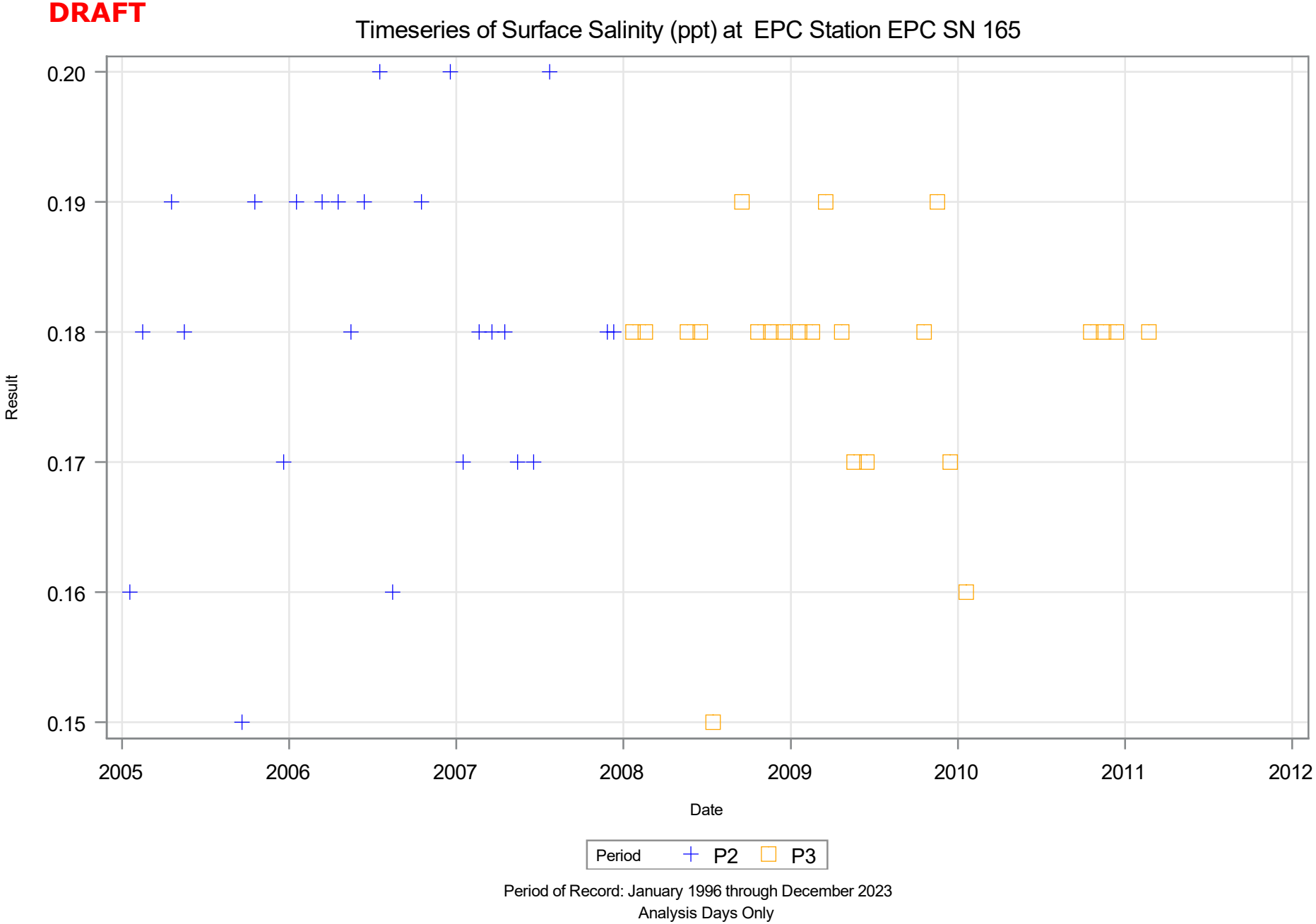
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	0.15	0.17	0.18	0.18	0.19	0.20
P3	27	0.15	0.18	0.18	0.18	0.18	0.22
P4	26	0.17	0.18	0.18	0.18	0.19	0.20
P5	21	0.15	0.19	0.20	0.20	0.21	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

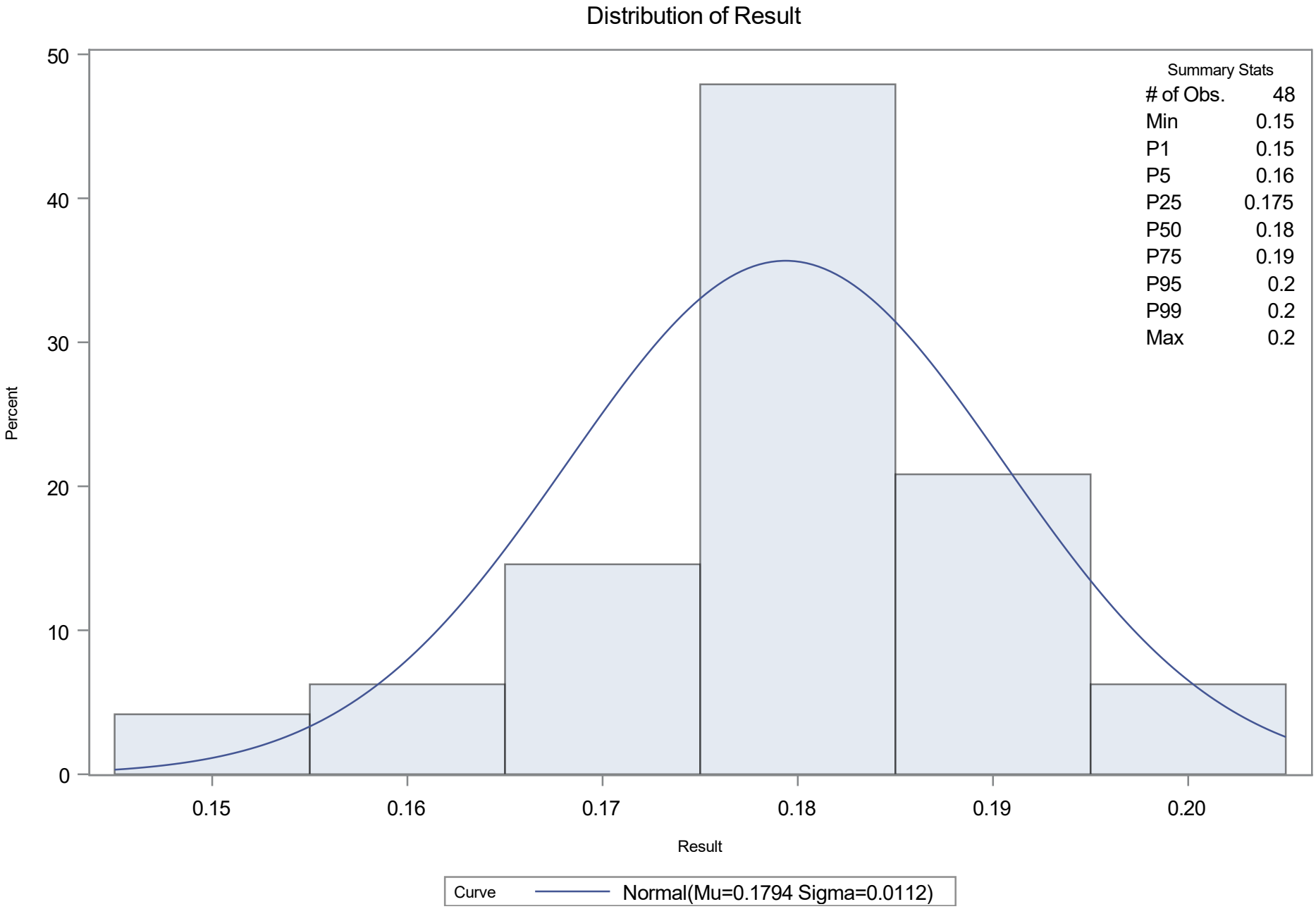

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 165
Result
0.22
0.20
0.18
0.16
P2
P3
P4
P5
Period P2 P3 P4 P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 165
Result
0.20
0.19
0.18
0.17
0.16
0.15
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.179375
Std Dev	Sigma	0.011186

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27227811	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.52315627	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.48121803	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	0.15335
5.0	0.16000	0.16098
10.0	0.16000	0.16504
25.0	0.17500	0.17183
50.0	0.18000	0.17937
75.0	0.19000	0.18692
90.0	0.19000	0.19371
95.0	0.20000	0.19777
99.0	0.20000	0.20540

Period of Record: January 1996 through December 2023
Analysis Days Only

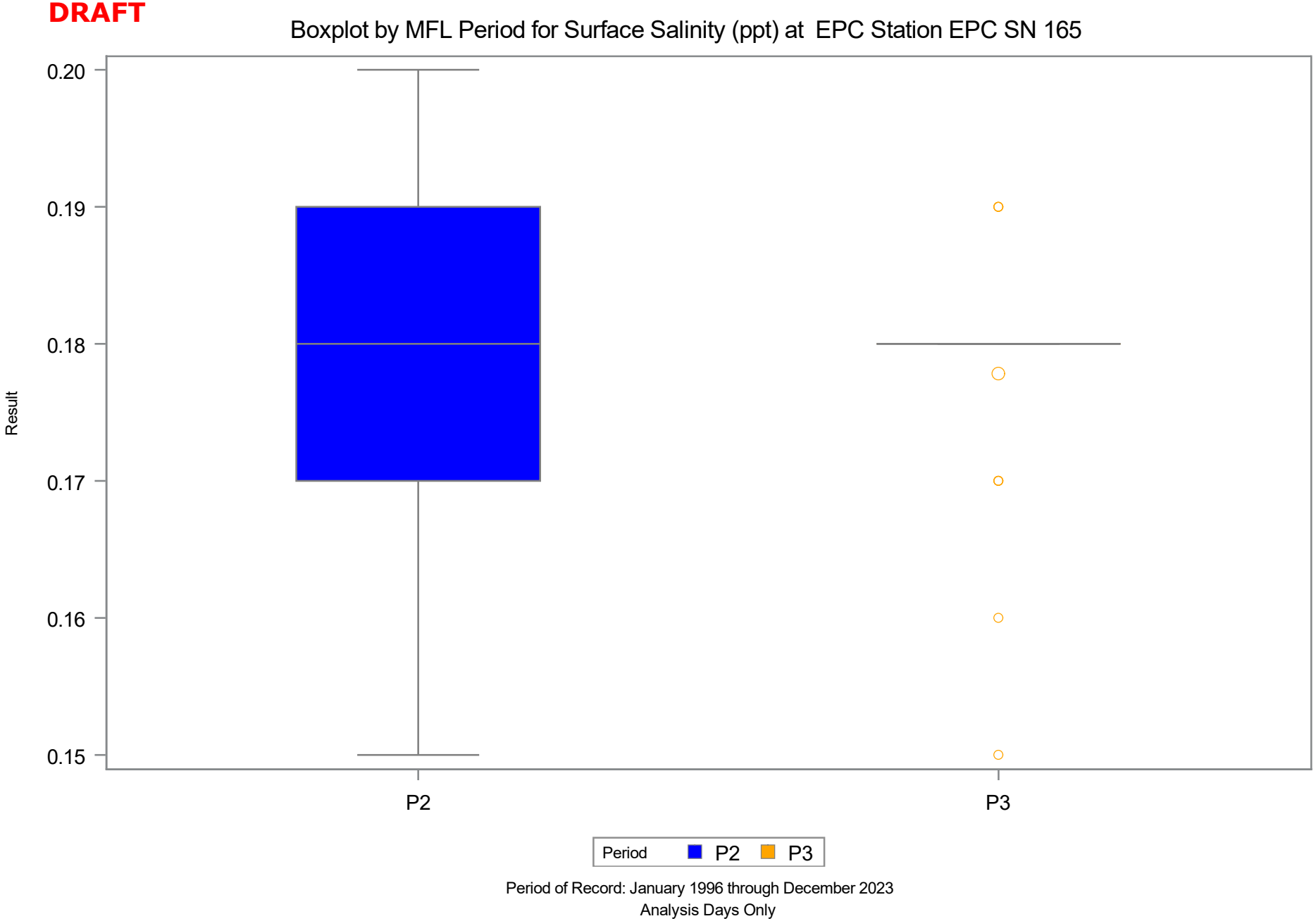
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 165

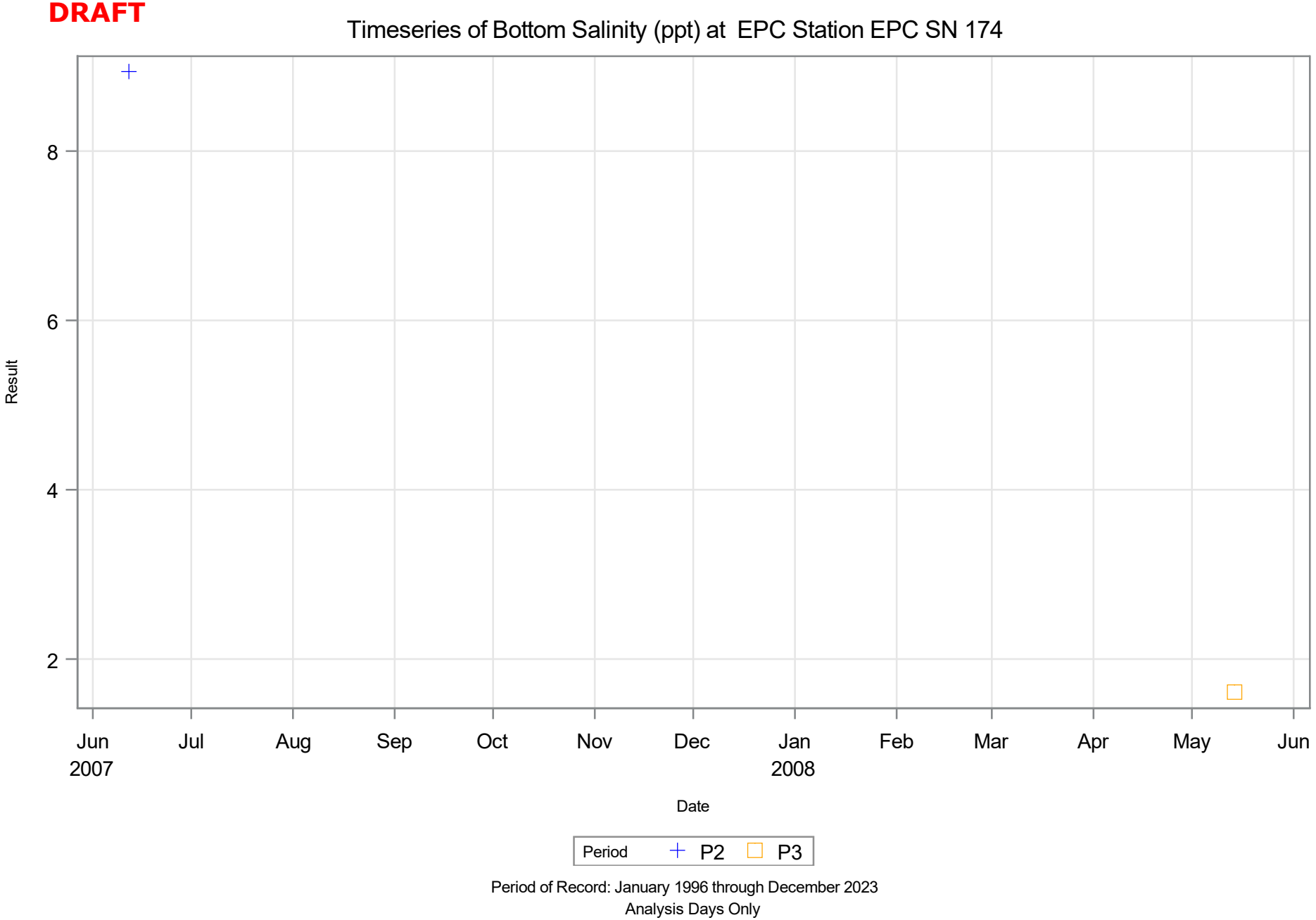
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.15	0.17	0.18	0.18	0.19	0.20
P3	23	0.15	0.18	0.18	0.18	0.18	0.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 165
Result
0.20
0.19
0.18
0.17
0.16
0.15
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

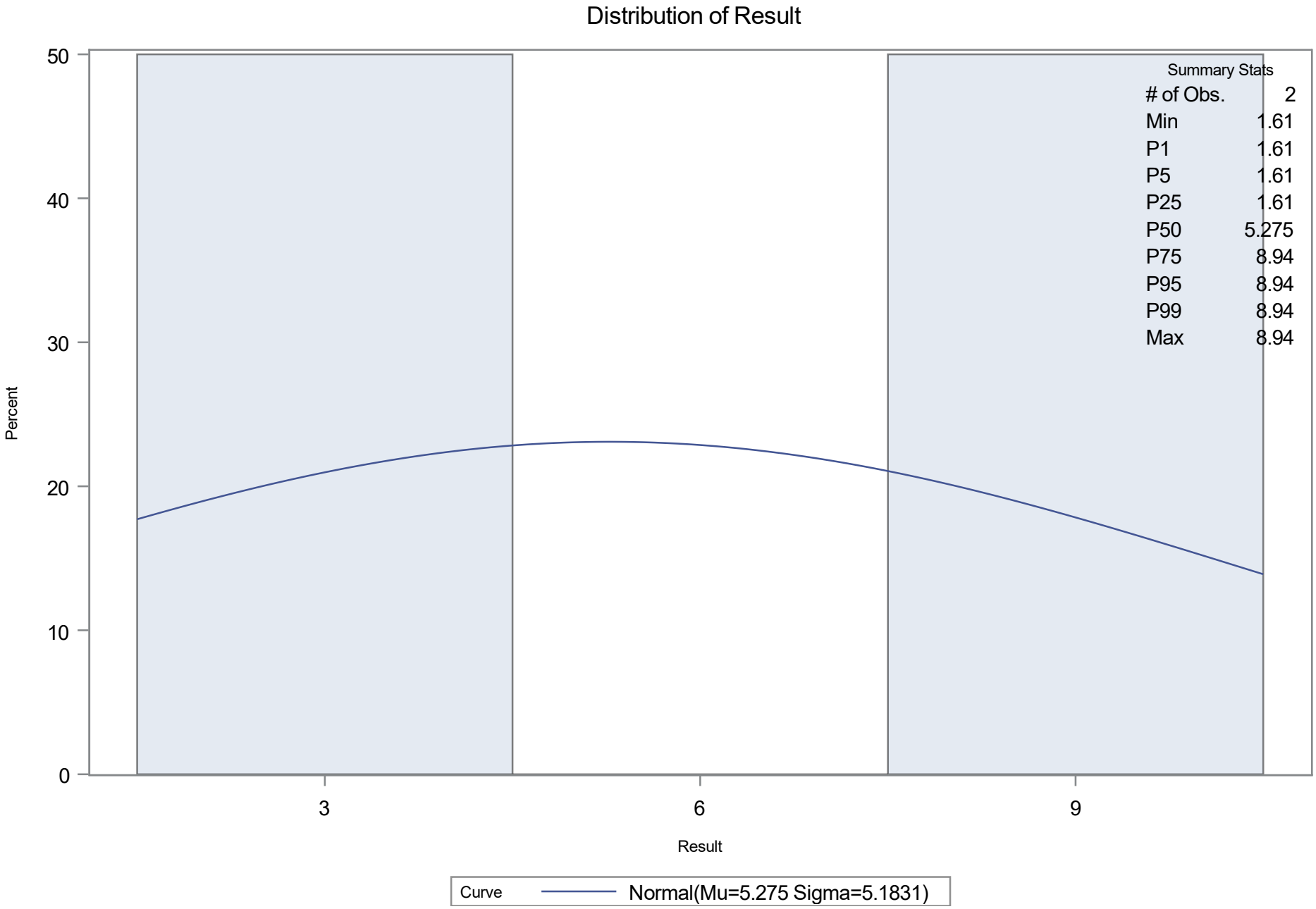
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.275
Std Dev	Sigma	5.183093

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.61000	-6.78268
5.0	1.61000	-3.25043
10.0	1.61000	-1.36740
25.0	1.61000	1.77906
50.0	5.27500	5.27500
75.0	8.94000	8.77094
90.0	8.94000	11.91740
95.0	8.94000	13.80043
99.0	8.94000	17.33268

Period of Record: January 1996 through December 2023
Analysis Days Only

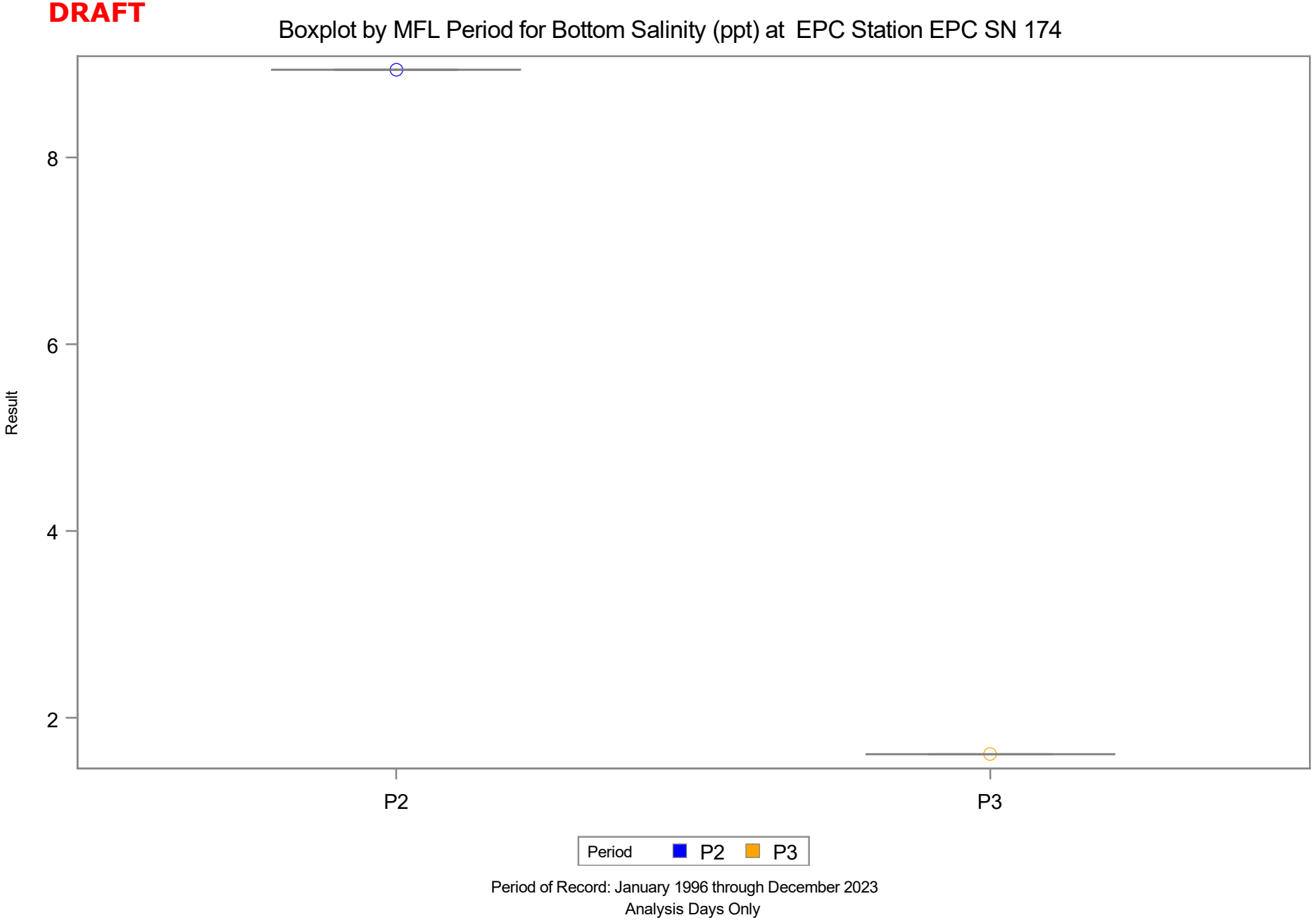
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 174

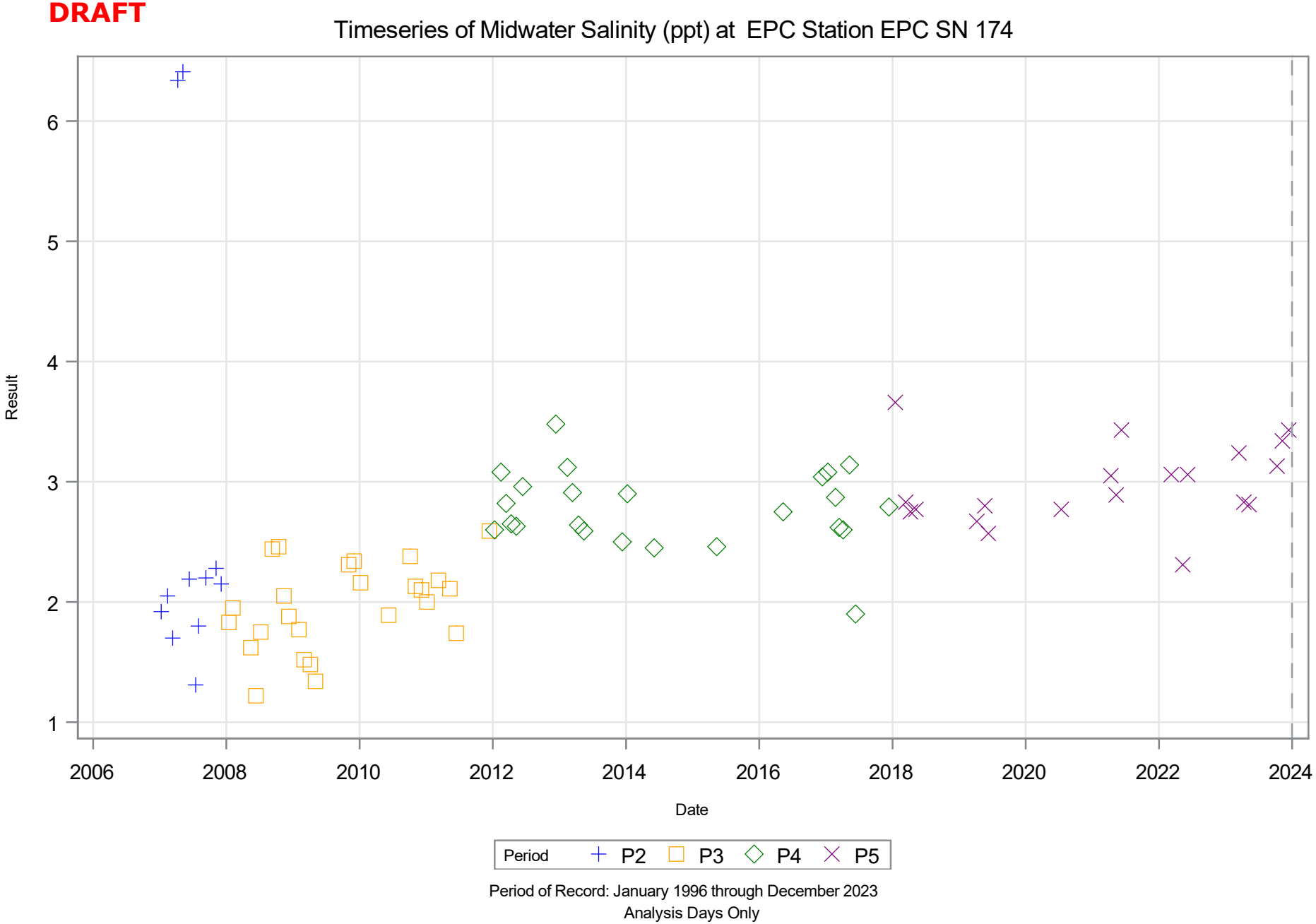
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	8.94	8.94	8.94	8.94	8.94	8.94
P3	1	1.61	1.61	1.61	1.61	1.61	1.61

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 174
Result
8
6
4
2
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

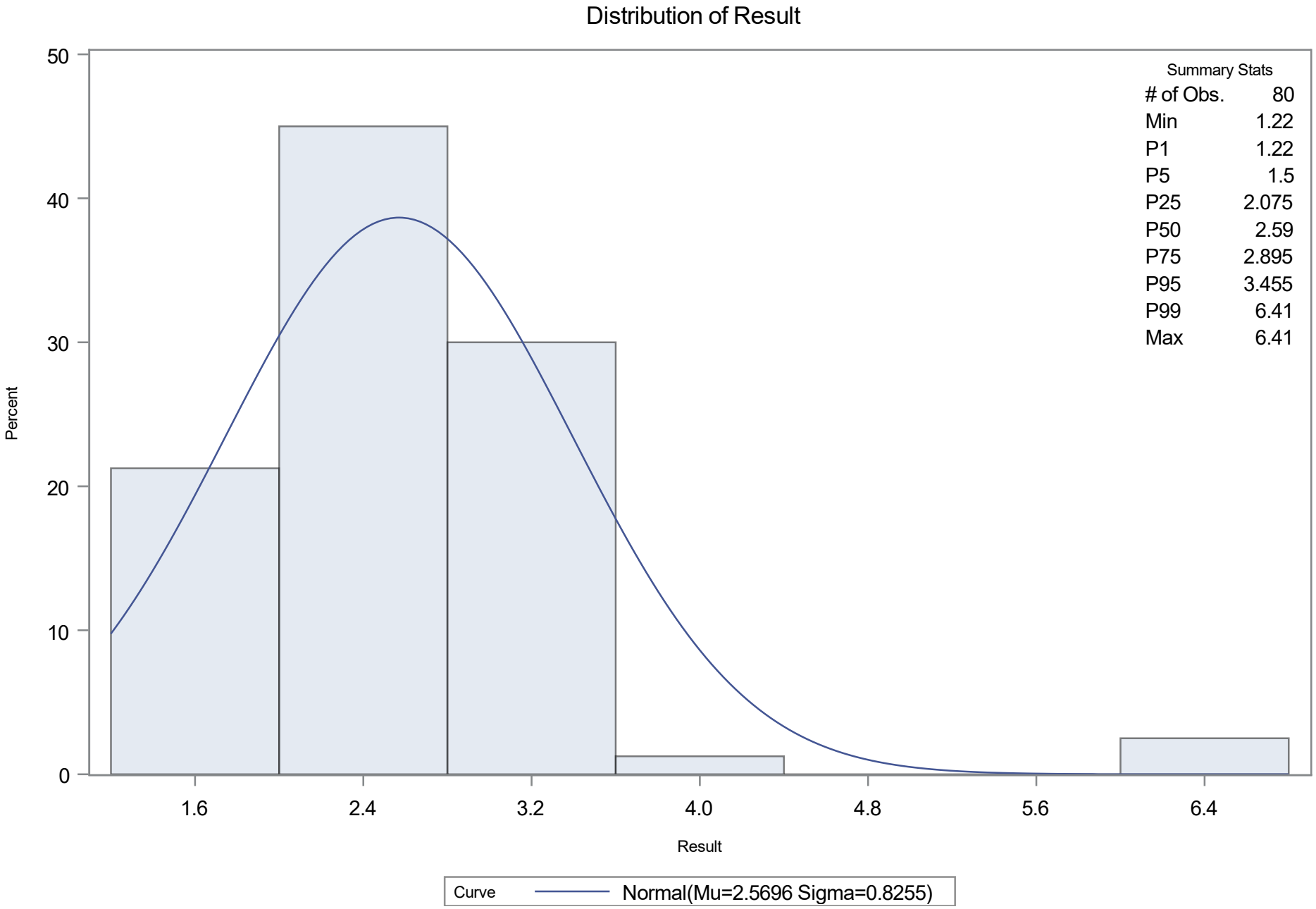
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.569625
Std Dev	Sigma	0.825513

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14480356	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29608101	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.38667892	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.22000	0.64919
5.0	1.50000	1.21178
10.0	1.74500	1.51169
25.0	2.07500	2.01282
50.0	2.59000	2.56963
75.0	2.89500	3.12643
90.0	3.19000	3.62756
95.0	3.45500	3.92747
99.0	6.41000	4.49006

Period of Record: January 1996 through December 2023
Analysis Days Only

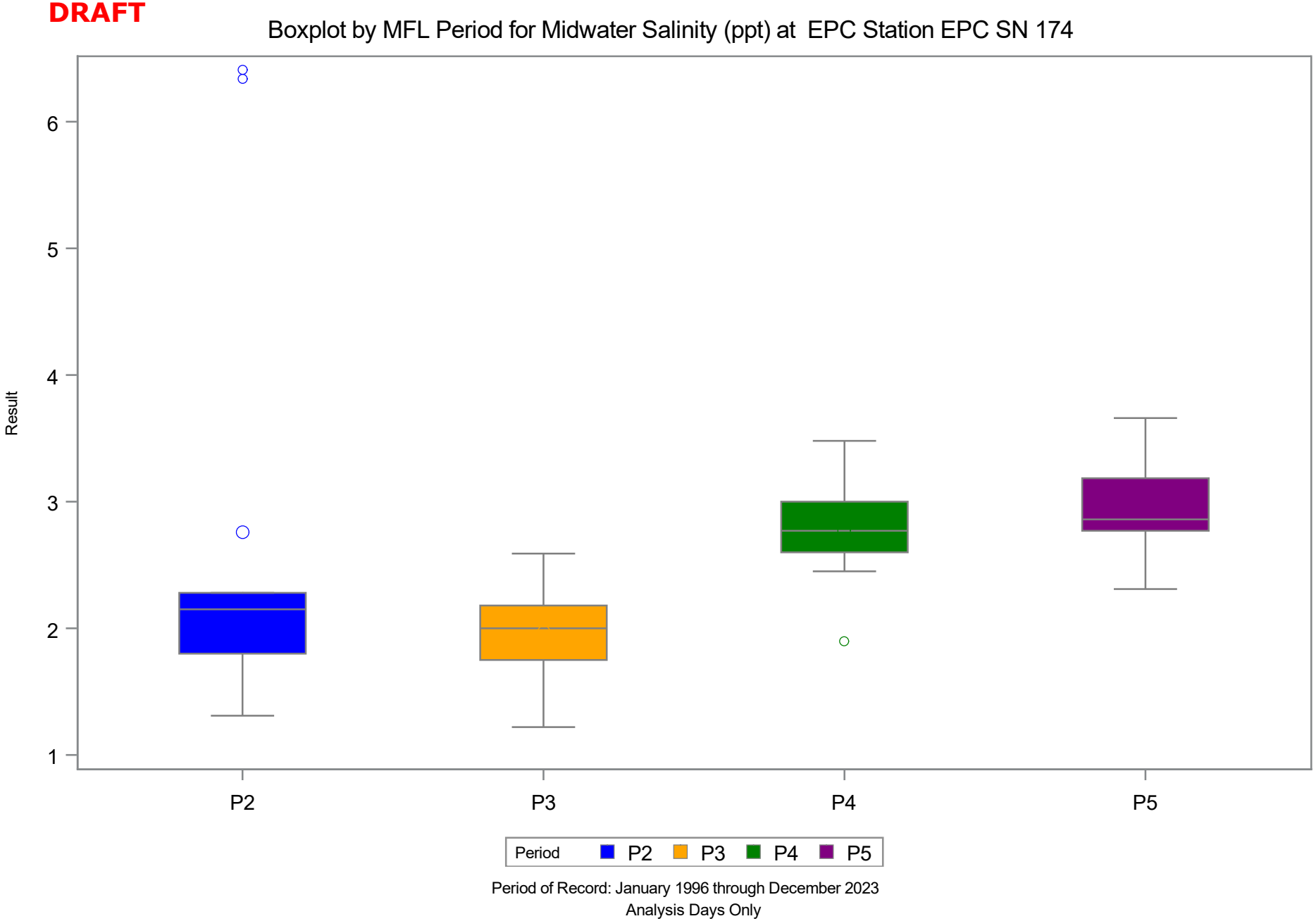
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 174

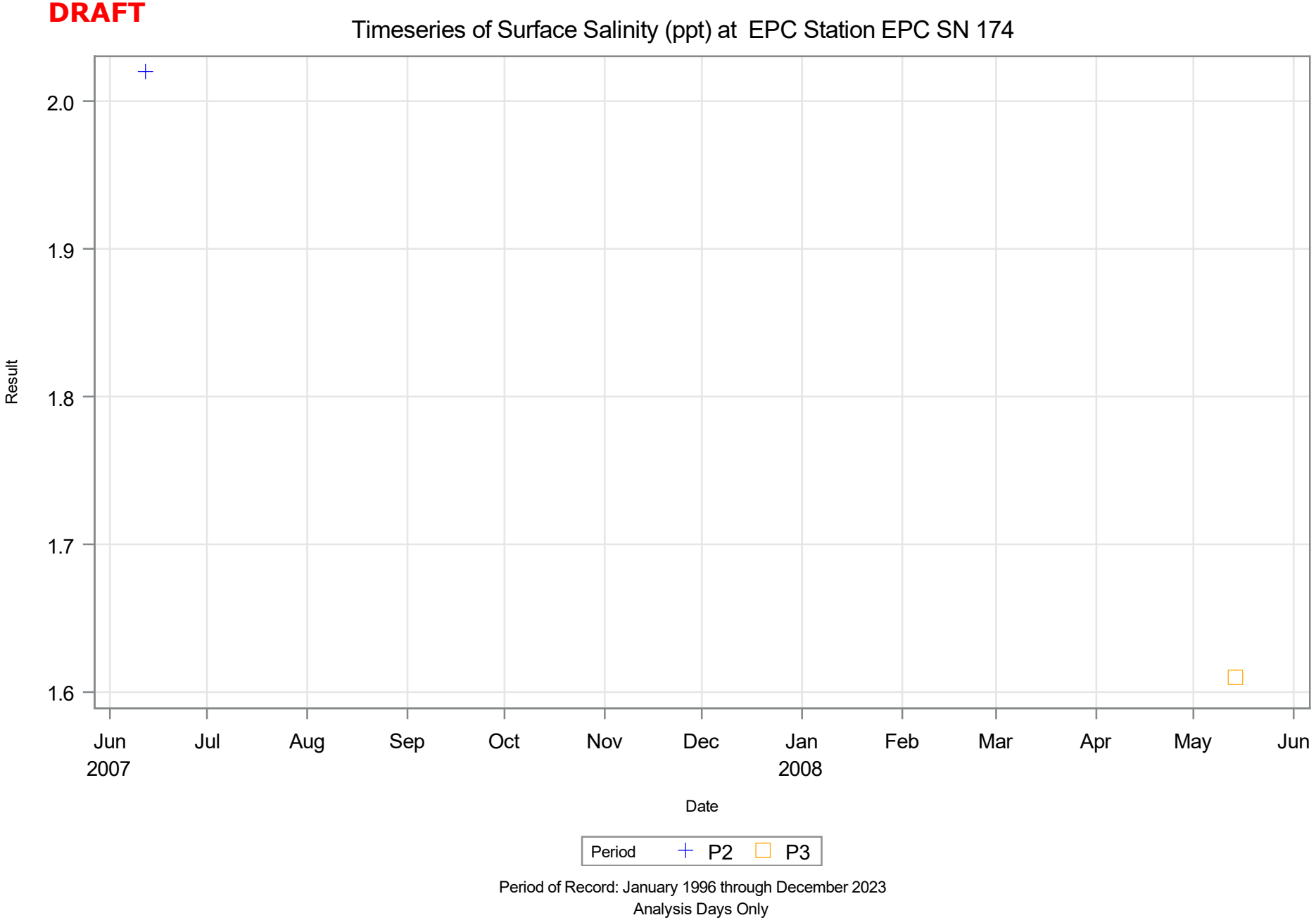
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	1.31	1.80	2.76	2.15	2.28	6.41
P3	25	1.22	1.75	1.97	2.00	2.18	2.59
P4	24	1.90	2.60	2.77	2.77	3.00	3.48
P5	20	2.31	2.77	2.97	2.86	3.19	3.66

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

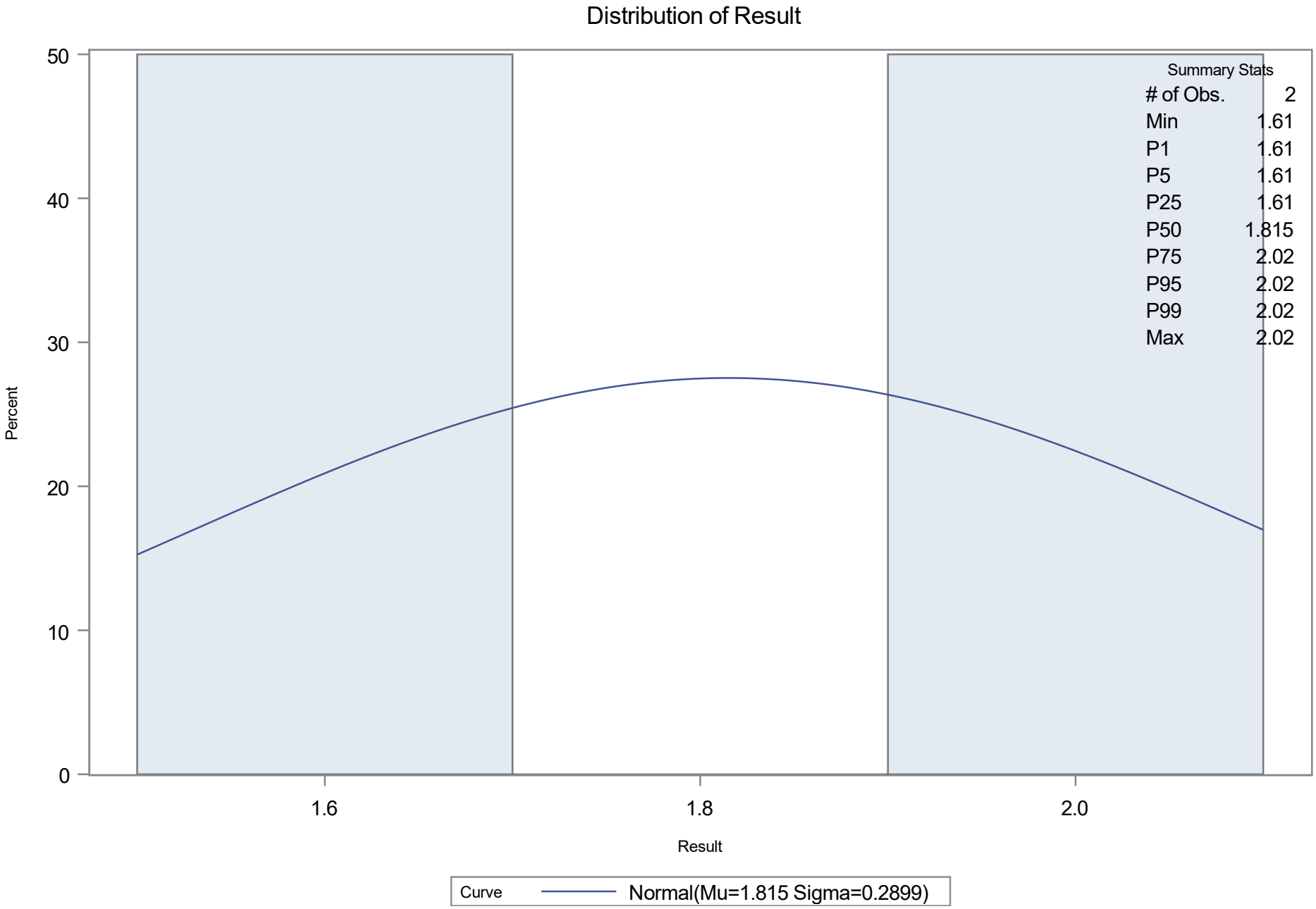

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 174
Result
6
5
4
3
2
1
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 174
Result
2.0
1.9
1.8
1.7
1.6
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.815
Std Dev	Sigma	0.289914

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.61000	1.14056
5.0	1.61000	1.33813
10.0	1.61000	1.44346
25.0	1.61000	1.61946
50.0	1.81500	1.81500
75.0	2.02000	2.01054
90.0	2.02000	2.18654
95.0	2.02000	2.29187
99.0	2.02000	2.48944

Period of Record: January 1996 through December 2023
Analysis Days Only

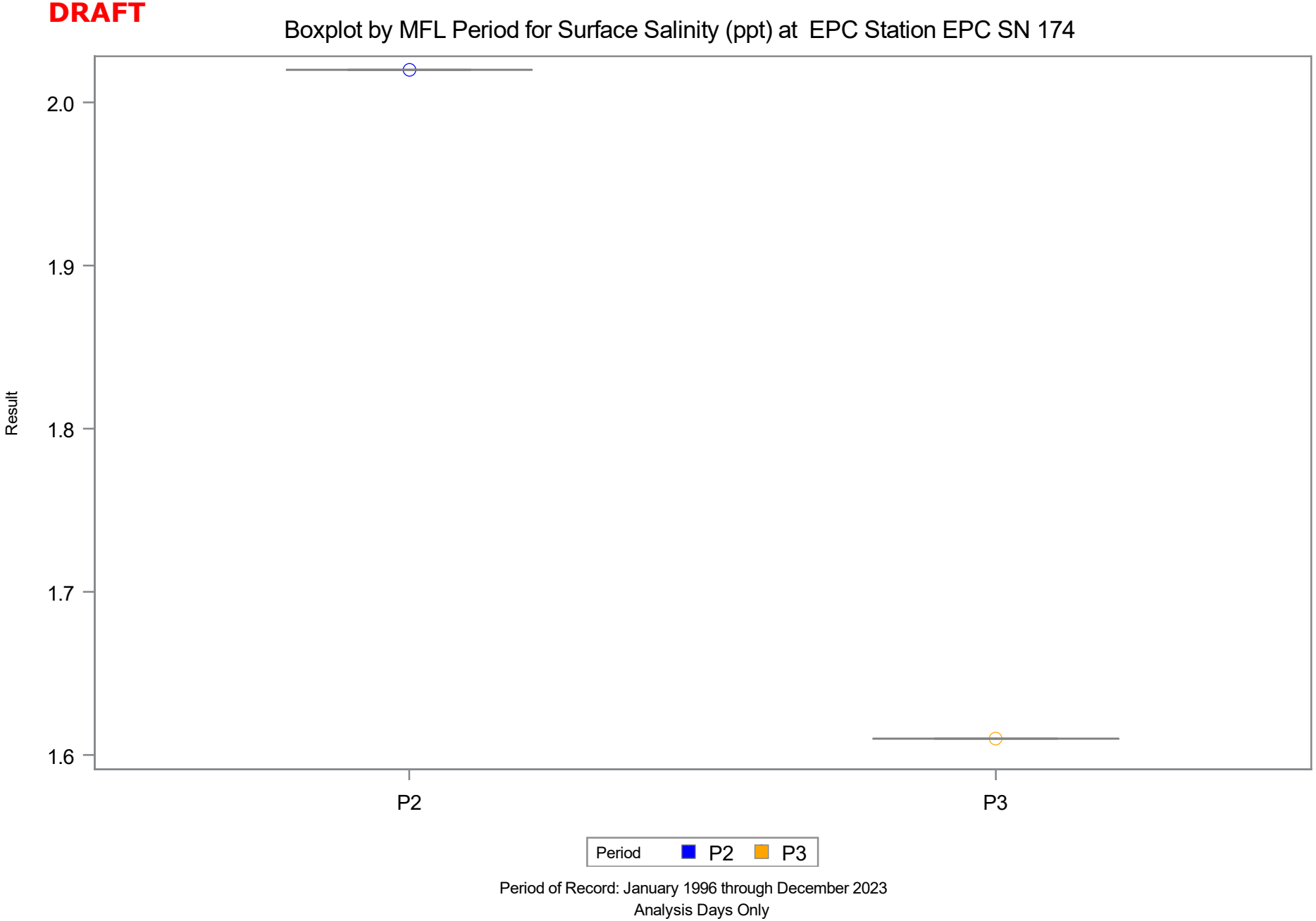
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 174

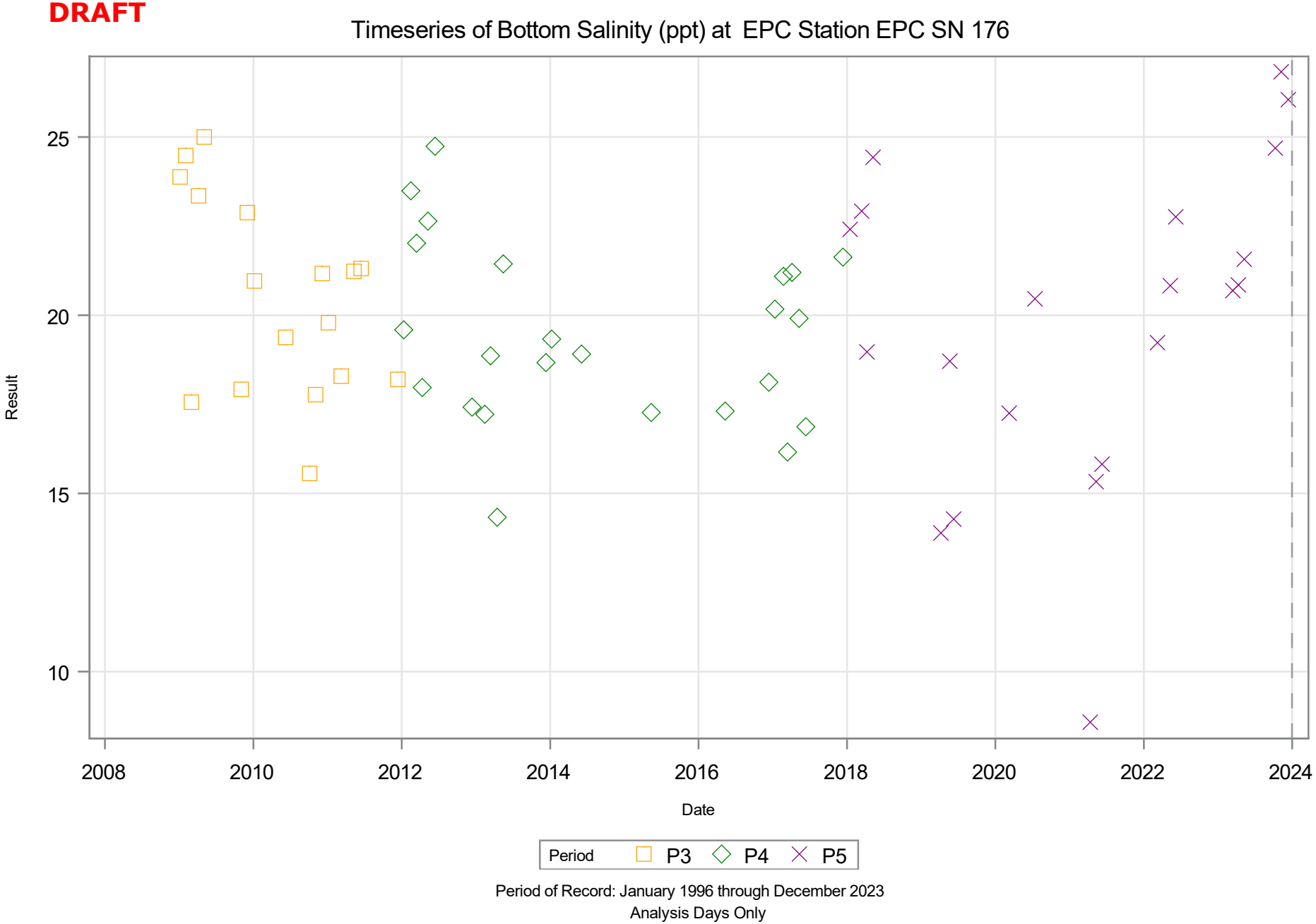
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	2.02	2.02	2.02	2.02	2.02	2.02
P3	1	1.61	1.61	1.61	1.61	1.61	1.61

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

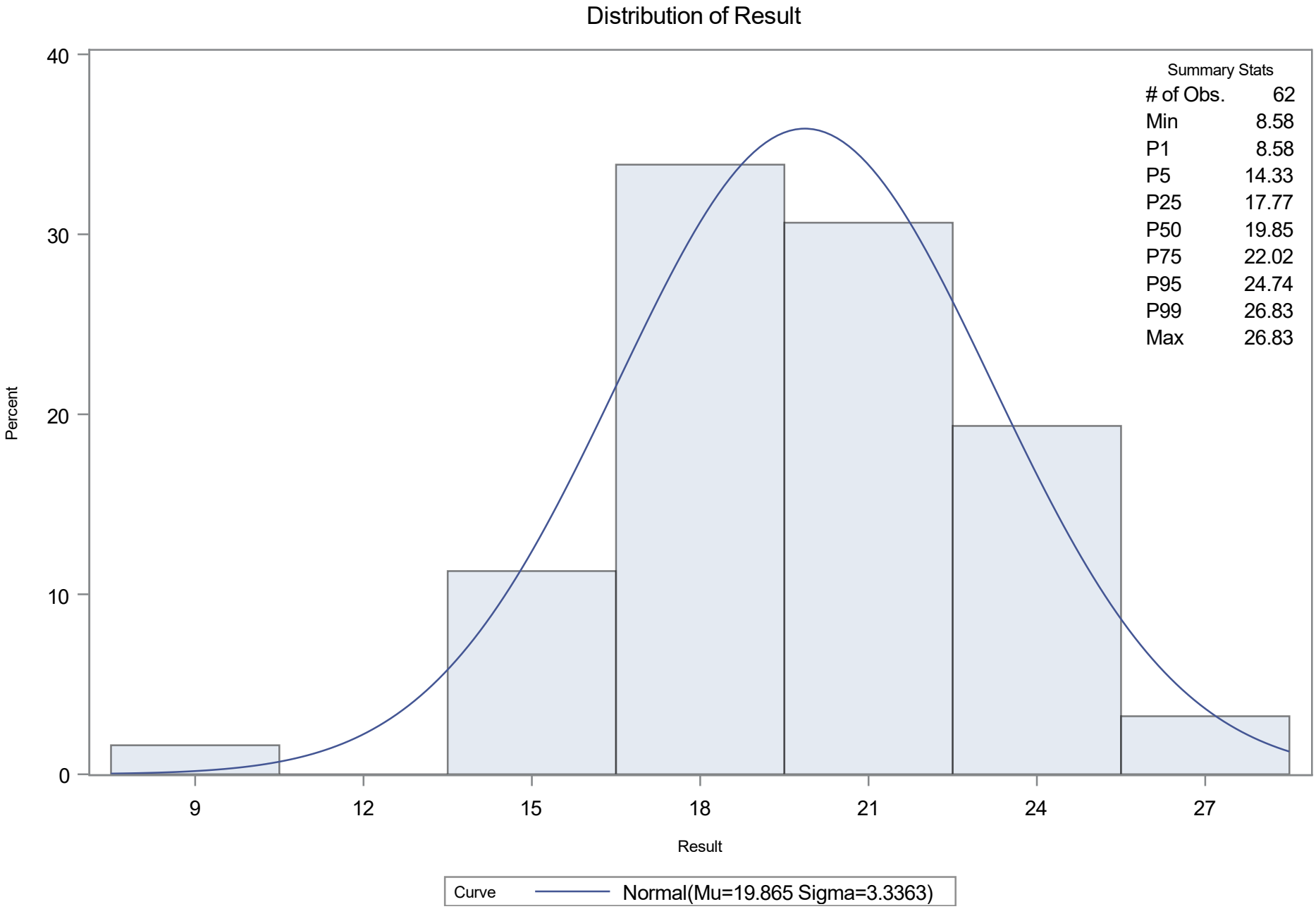

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 174
Result
2.0
1.9
1.8
1.7
1.6
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 176
Result
25
20
15
10
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	19.86516
Std Dev	Sigma	3.336331

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06877561	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02463144	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20729572	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8.58000	12.1037
5.0	14.33000	14.3774
10.0	15.82000	15.5895
25.0	17.77000	17.6148
50.0	19.85000	19.8652
75.0	22.02000	22.1155
90.0	24.43000	24.1408
95.0	24.74000	25.3529
99.0	26.83000	27.6266

Period of Record: January 1996 through December 2023
Analysis Days Only

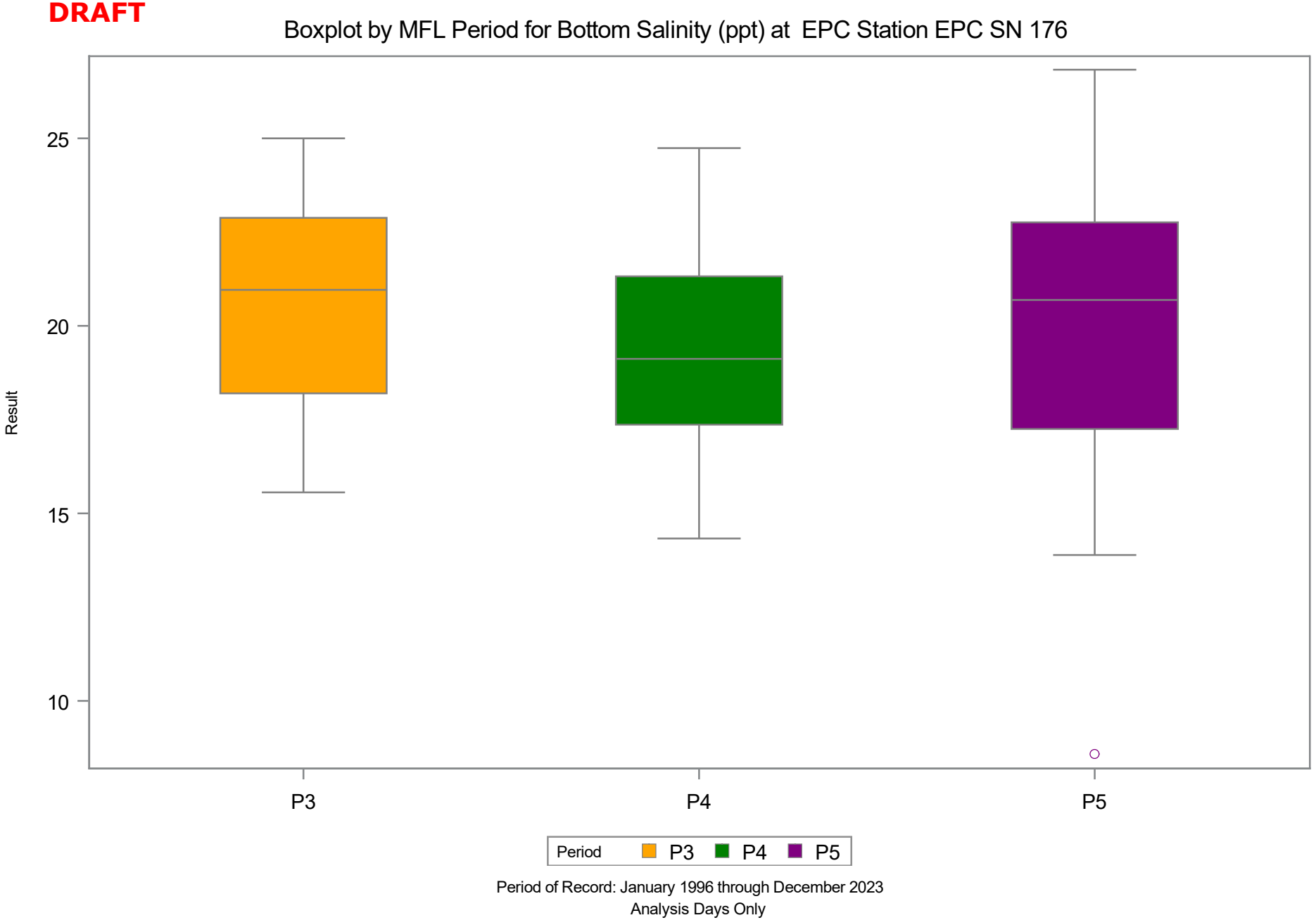
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 176

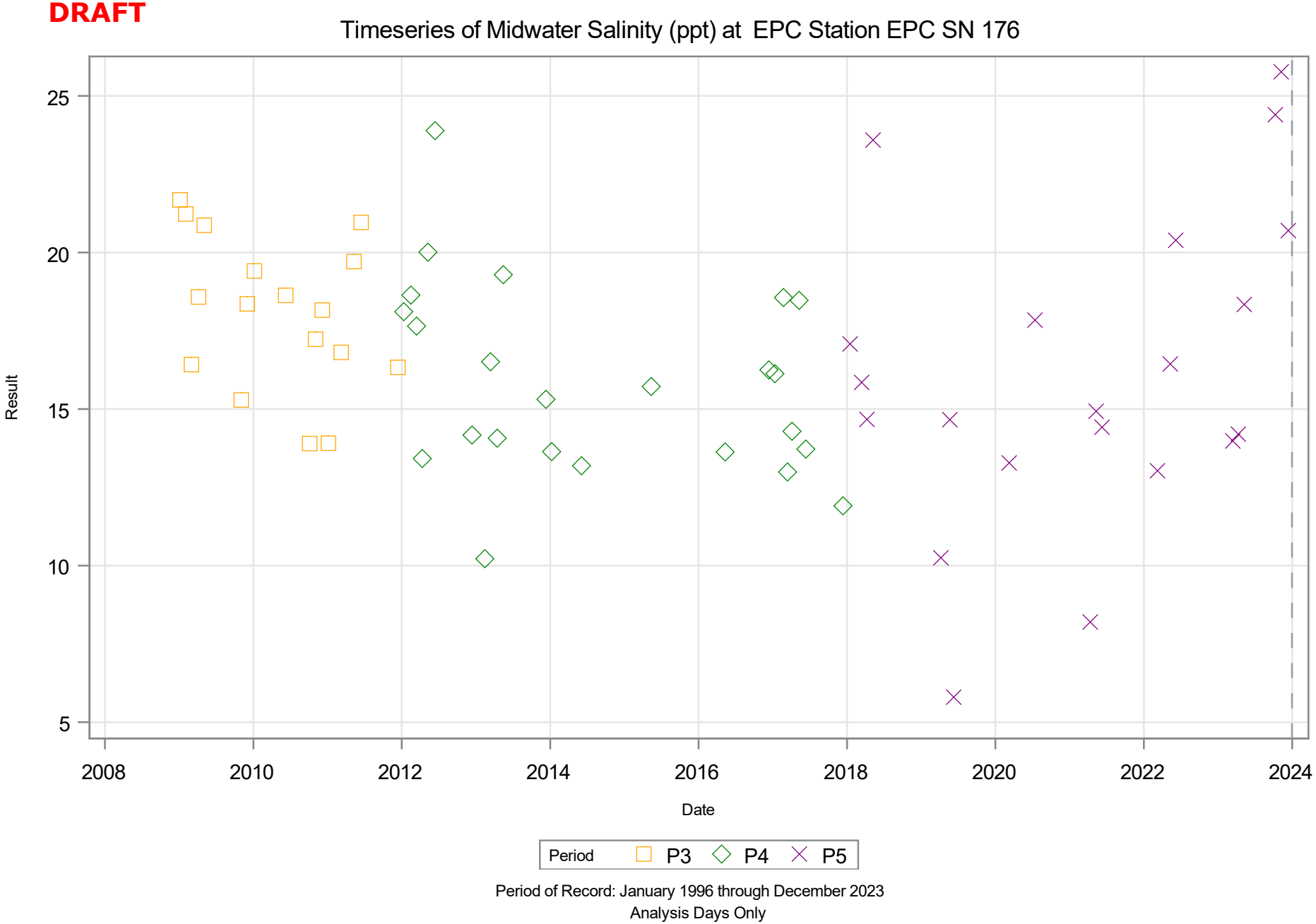
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.56	18.20	20.51	20.96	22.88	25.00
P4	24	14.33	17.37	19.43	19.12	21.32	24.74
P5	21	8.58	17.25	19.84	20.69	22.76	26.83

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

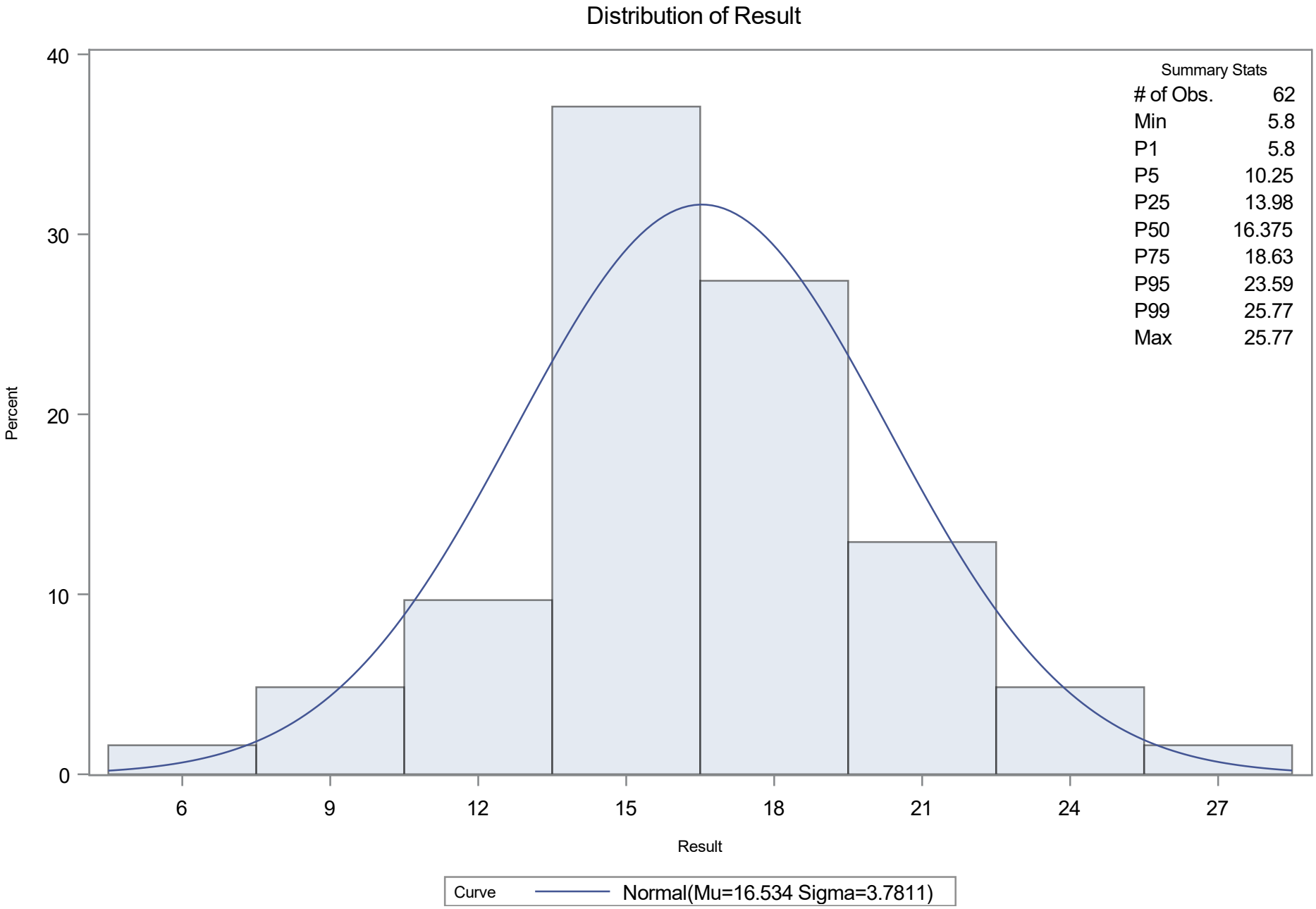

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 176
Result
25
20
15
10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 176
Result
25
20
15
10
5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.53371
Std Dev	Sigma	3.781114

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09367931	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05894025	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41279102	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.80000	7.73752
5.0	10.25000	10.31433
10.0	13.03000	11.68802
25.0	13.98000	13.98339
50.0	16.37500	16.53371
75.0	18.63000	19.08403
90.0	20.96000	21.37940
95.0	23.59000	22.75309
99.0	25.77000	25.32990

Period of Record: January 1996 through December 2023
Analysis Days Only

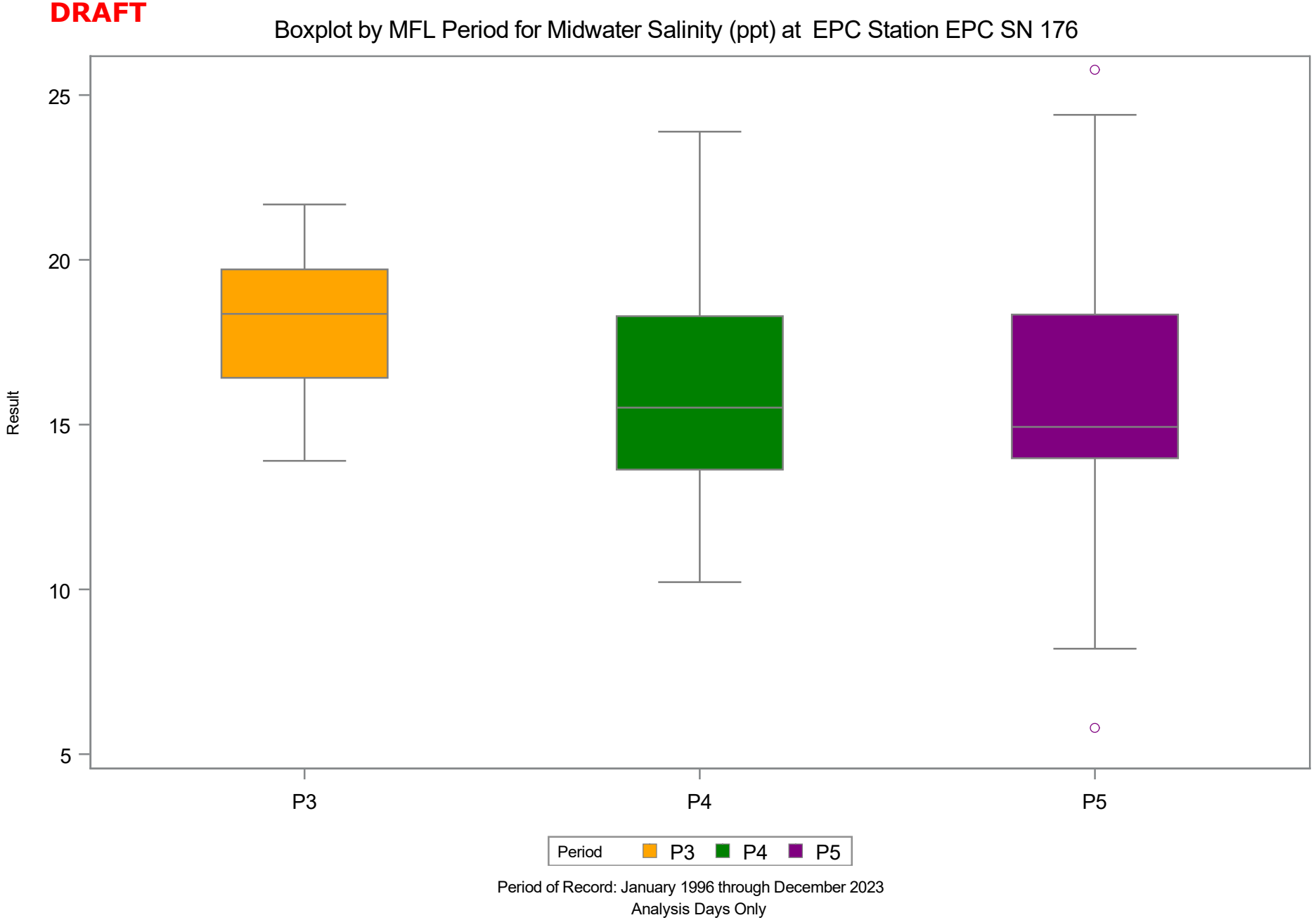
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 176

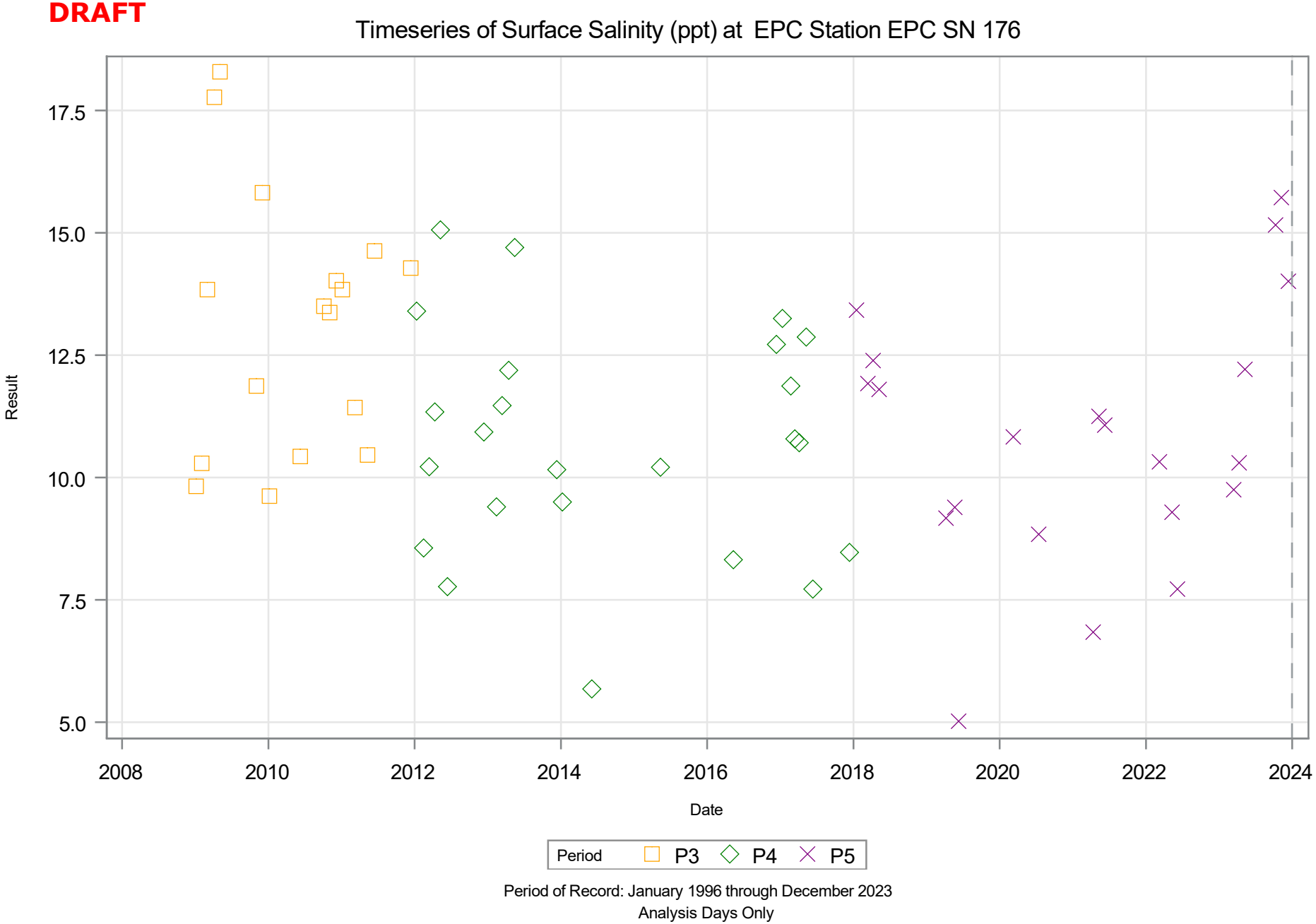
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	13.90	16.42	18.09	18.36	19.71	21.68
P4	24	10.22	13.64	15.82	15.52	18.29	23.89
P5	21	5.80	13.98	16.09	14.93	18.34	25.77

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

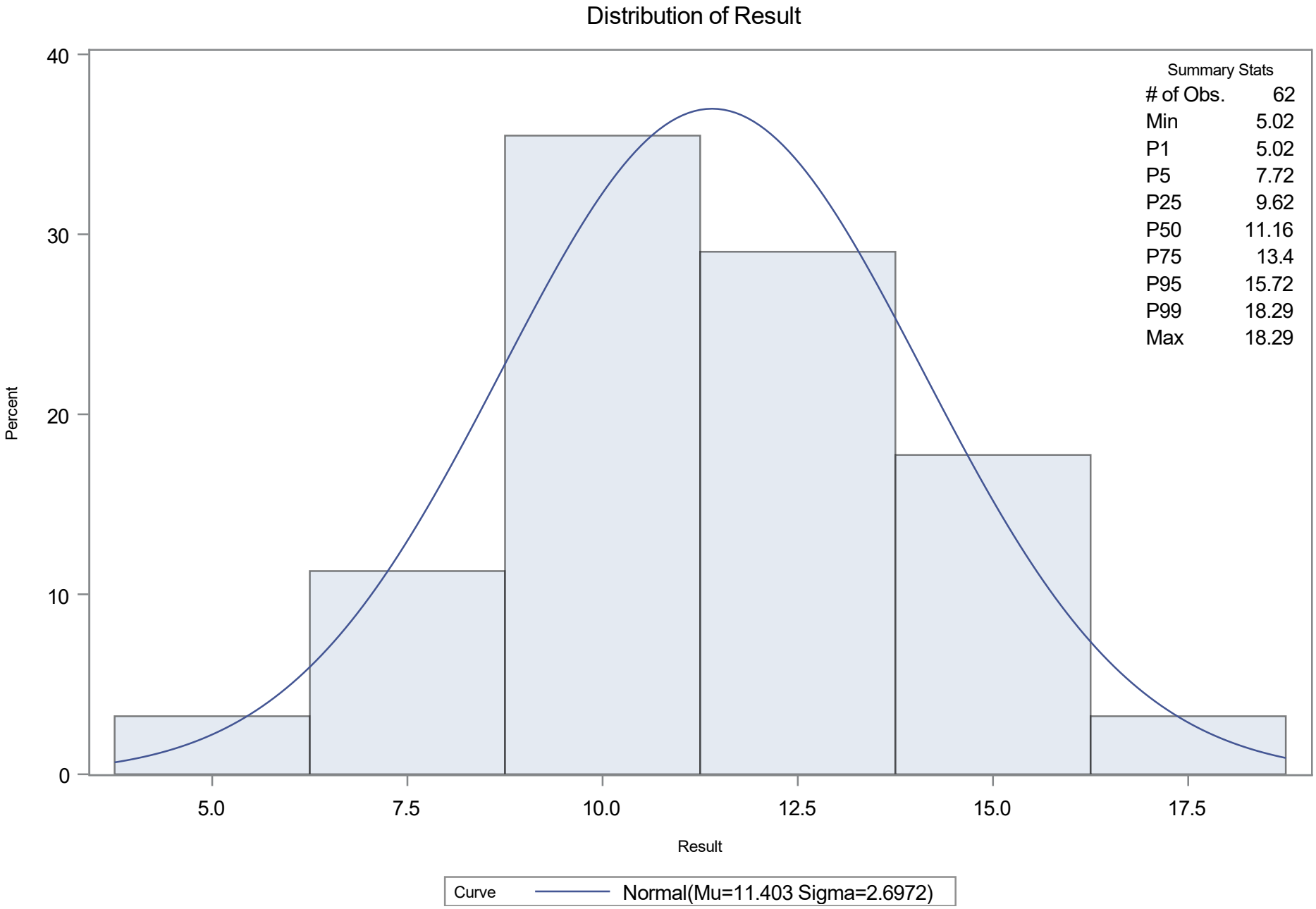

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 176
Result
25
20
15
10
5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 176
Result
17.5
15.0
12.5
10.0
7.5
5.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.40339
Std Dev	Sigma	2.697162

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05609926	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03634971	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21327535	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.02000	5.12885
5.0	7.72000	6.96695
10.0	8.32000	7.94683
25.0	9.62000	9.58418
50.0	11.16000	11.40339
75.0	13.40000	13.22260
90.0	14.70000	14.85994
95.0	15.72000	15.83982
99.0	18.29000	17.67793

Period of Record: January 1996 through December 2023
Analysis Days Only

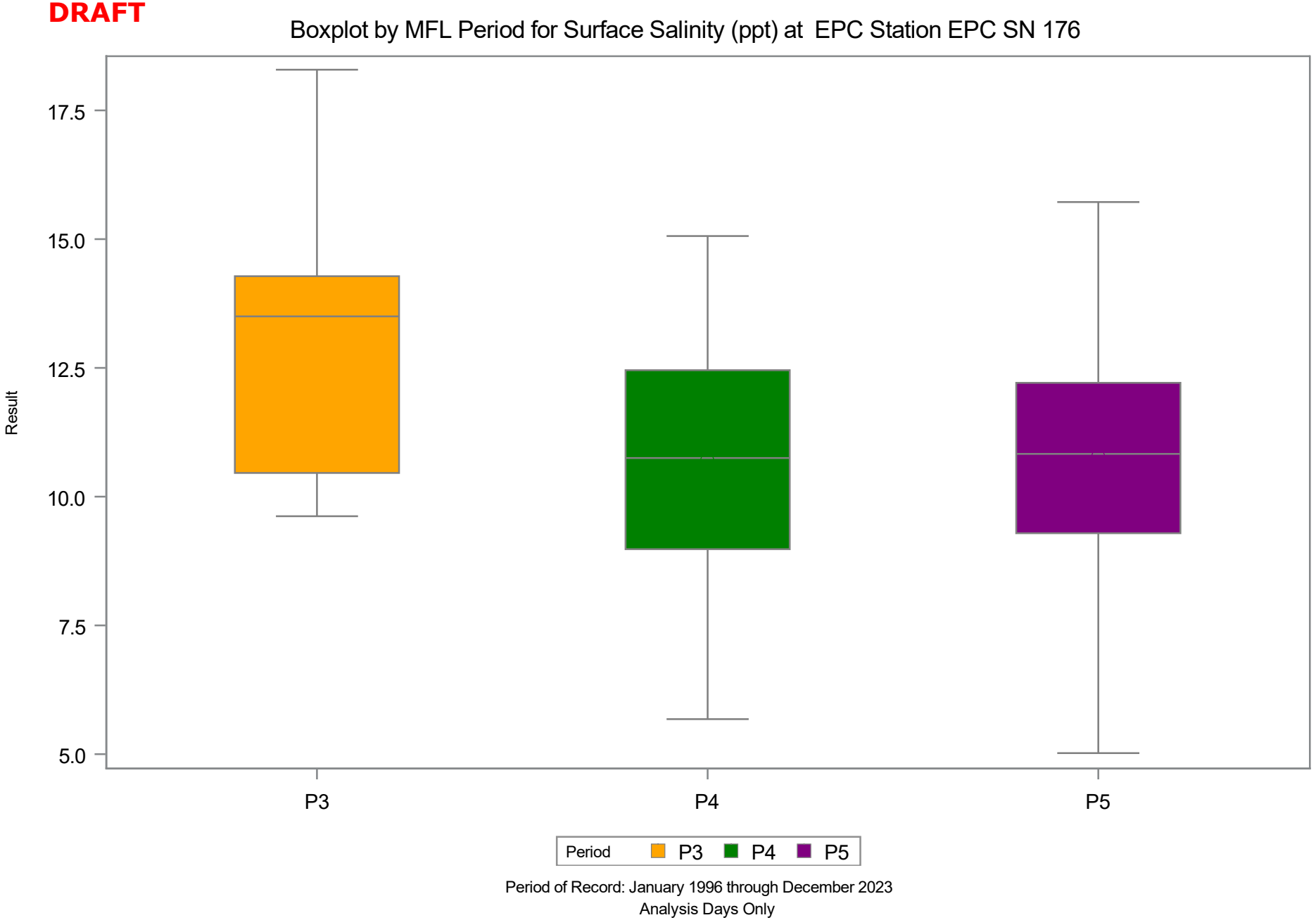
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 176

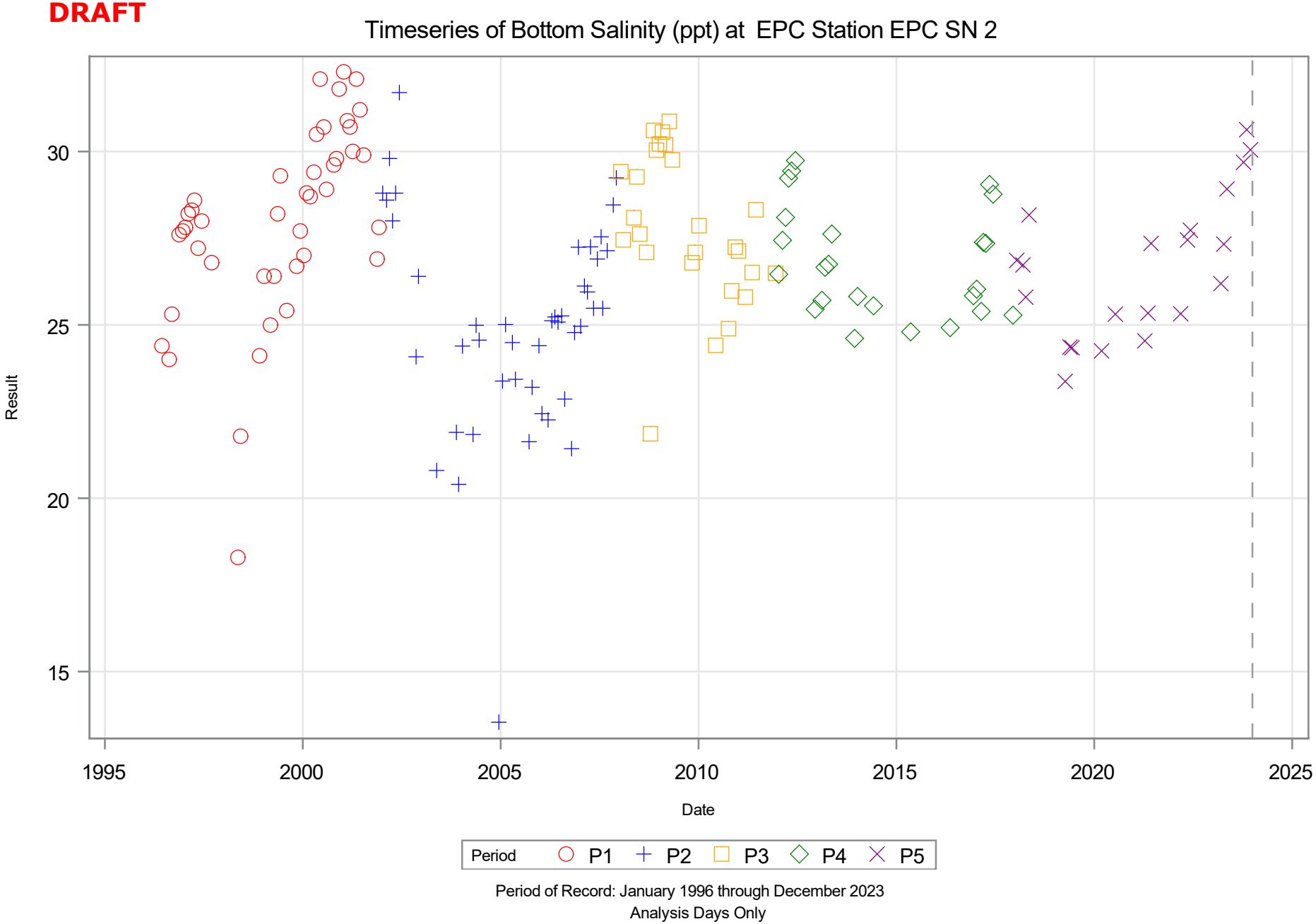
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	9.62	10.46	13.13	13.50	14.28	18.29
P4	24	5.68	8.98	10.72	10.75	12.46	15.06
P5	21	5.02	9.29	10.78	10.83	12.21	15.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

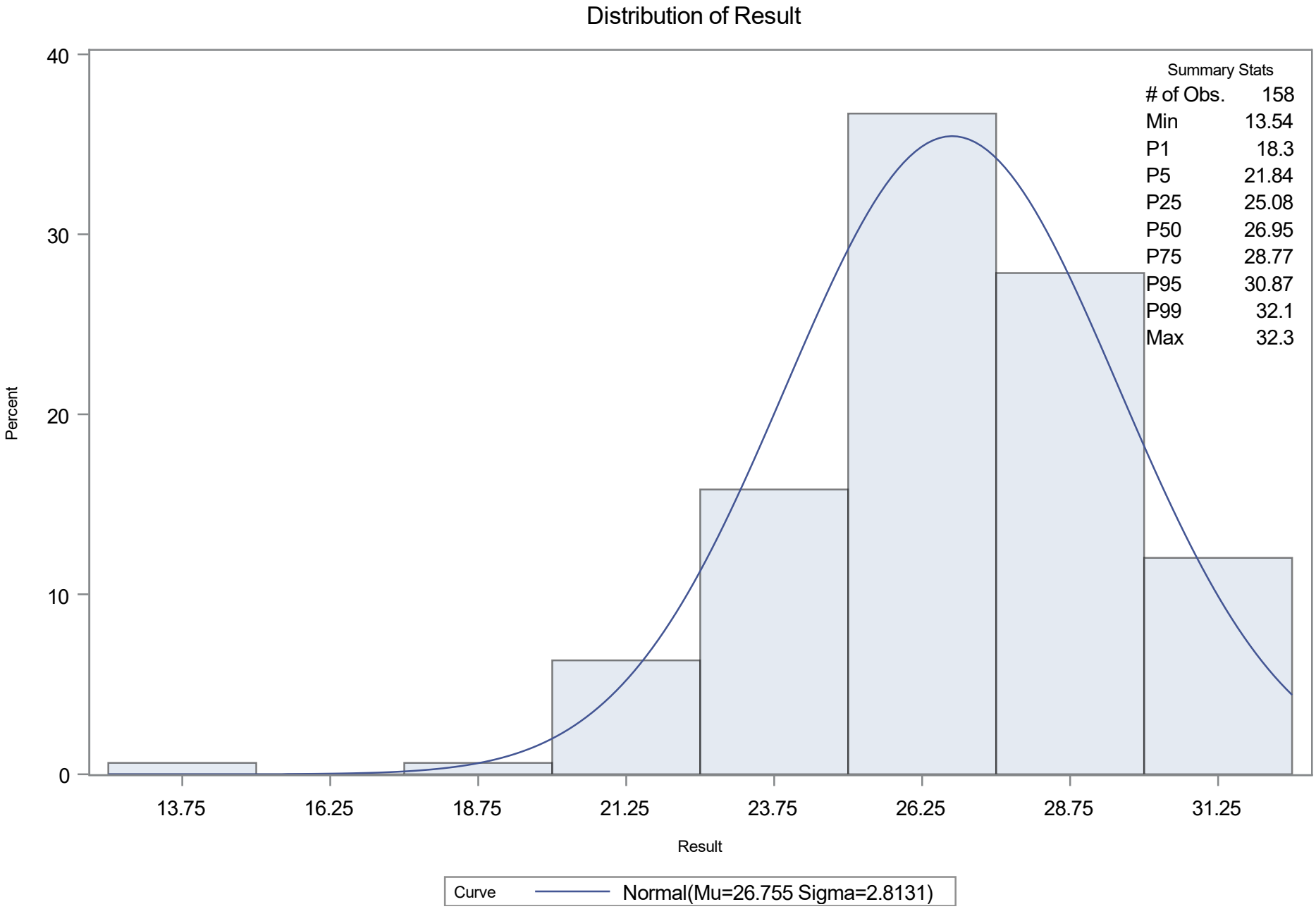

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 176
Result
17.5
15.0
12.5
10.0
7.5
5.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 2
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.75538
Std Dev	Sigma	2.813135

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06236710	**Pr > D**	0.136
Cramer-von Mises	**W-Sq**	0.08133919	**Pr > W-Sq**	0.205
Anderson-Darling	**A-Sq**	0.64413713	**Pr > A-Sq**	0.093

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.3000	20.2110
5.0	21.8400	22.1282
10.0	23.3800	23.1502
25.0	25.0800	24.8579
50.0	26.9500	26.7554
75.0	28.7700	28.6528
90.0	30.2000	30.3606
95.0	30.8700	31.3826
99.0	32.1000	33.2997

Period of Record: January 1996 through December 2023
Analysis Days Only

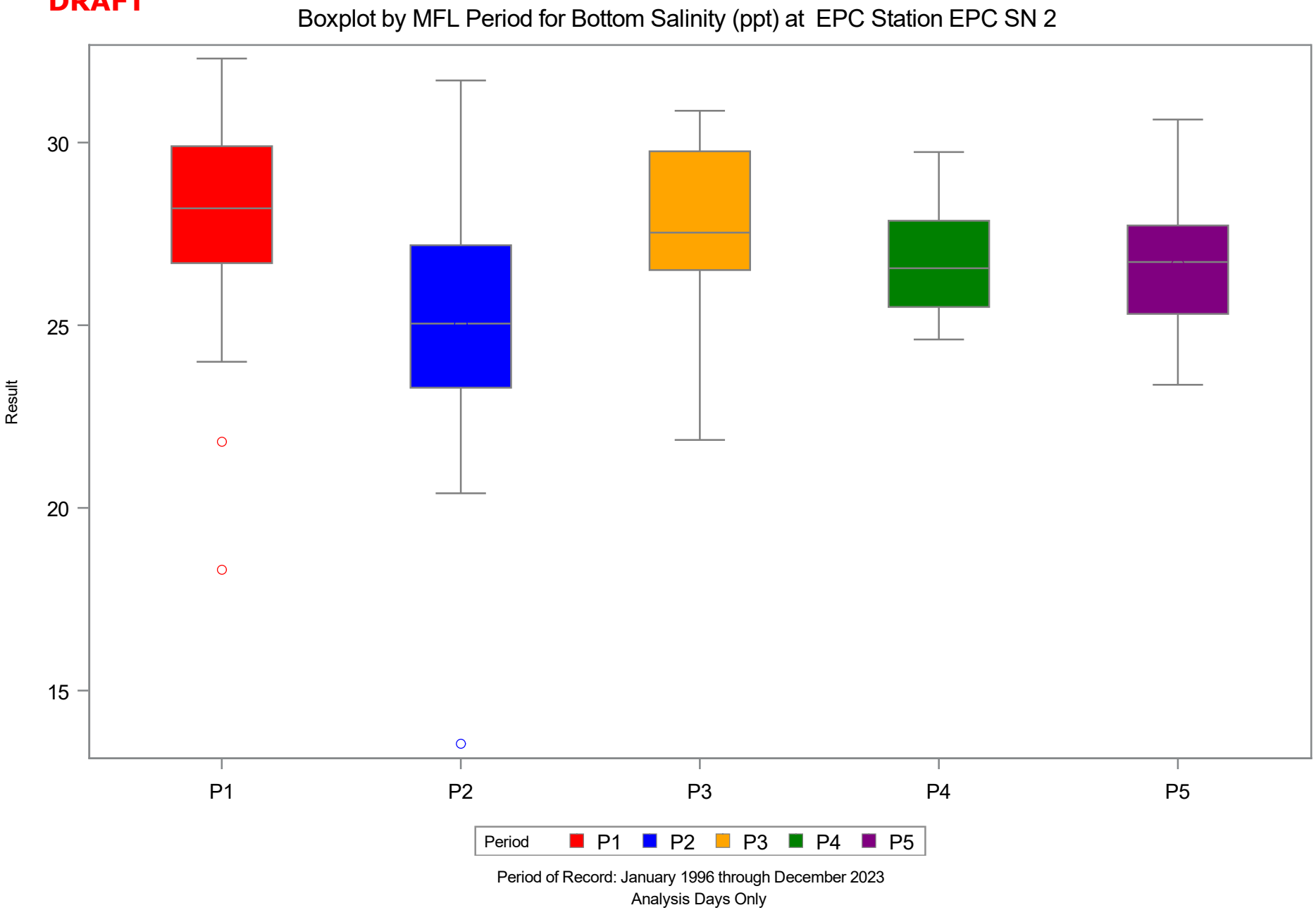
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 2

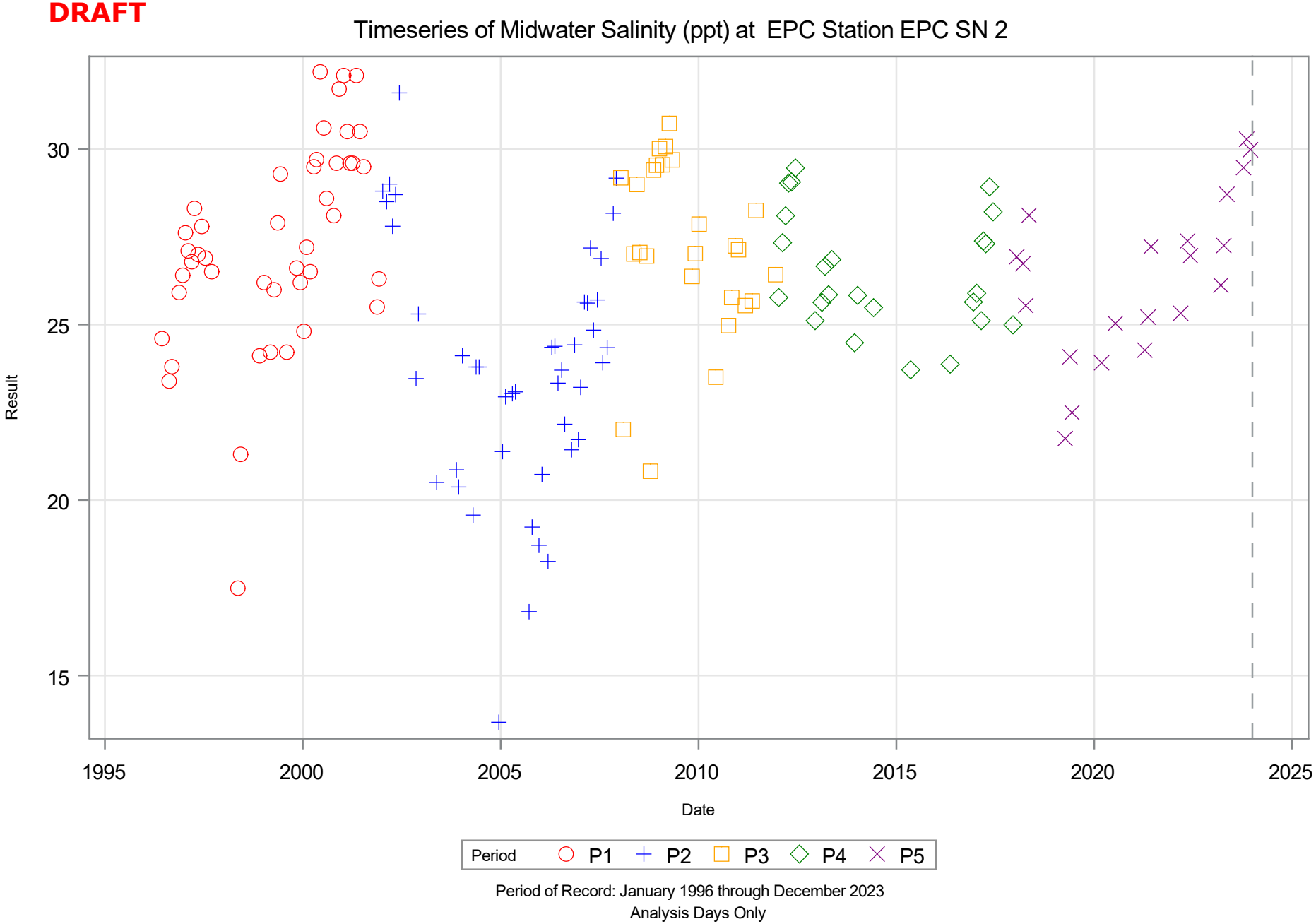
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	18.30	26.70	27.96	28.20	29.90	32.30
P2	44	13.54	23.29	25.01	25.05	27.19	31.70
P3	26	21.86	26.51	27.75	27.54	29.76	30.87
P4	24	24.61	25.50	26.81	26.56	27.86	29.74
P5	21	23.37	25.31	26.65	26.73	27.73	30.63

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

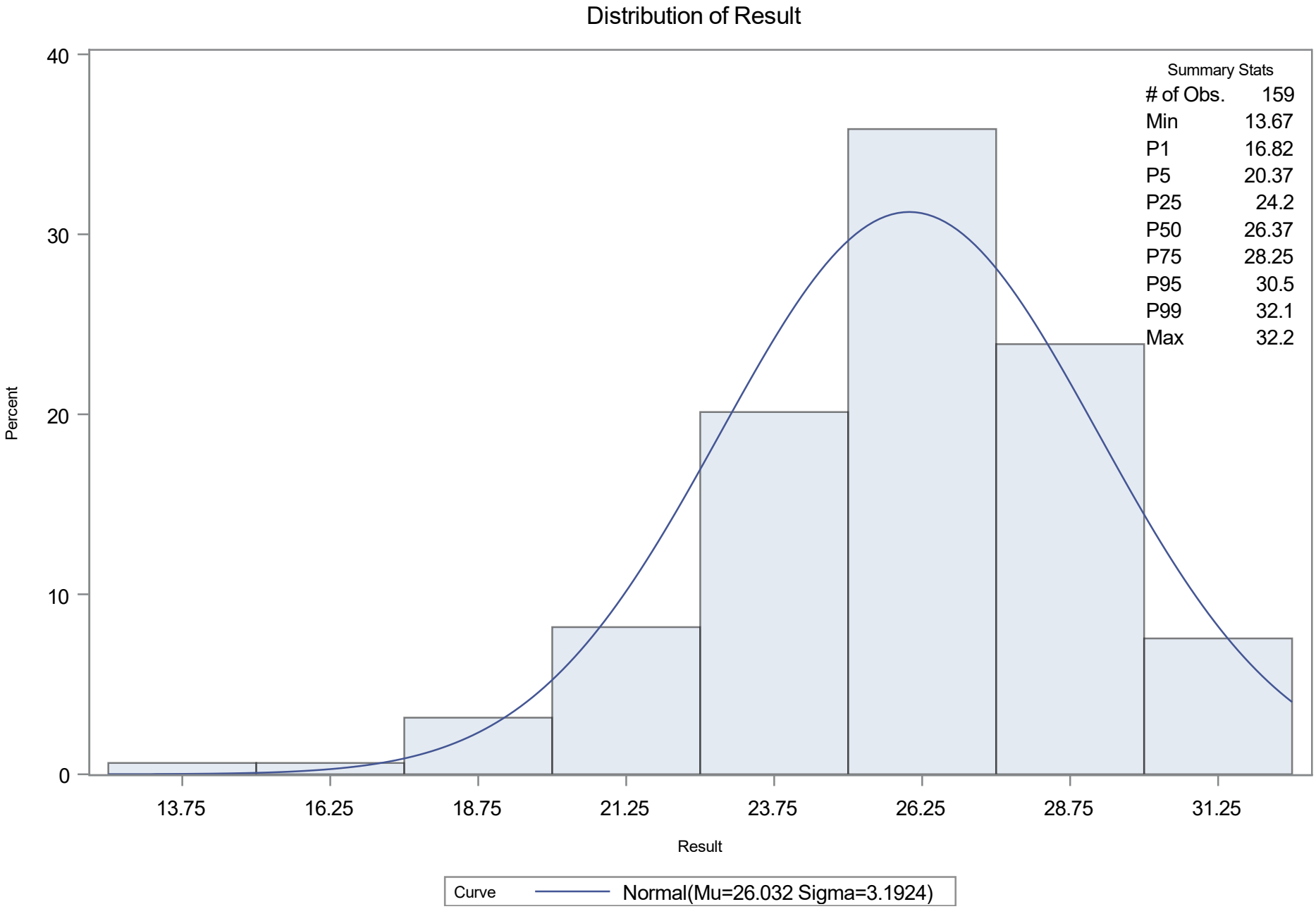

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 2
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 2
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.03189
Std Dev	Sigma	3.192411

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06659513	**Pr > D**	0.084
Cramer-von Mises	**W-Sq**	0.14832460	**Pr > W-Sq**	0.025
Anderson-Darling	**A-Sq**	1.02777582	**Pr > A-Sq**	0.010

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.8200	18.6052
5.0	20.3700	20.7808
10.0	21.7200	21.9406
25.0	24.2000	23.8786
50.0	26.3700	26.0319
75.0	28.2500	28.1851
90.0	29.6000	30.1231
95.0	30.5000	31.2829
99.0	32.1000	33.4585

Period of Record: January 1996 through December 2023
Analysis Days Only

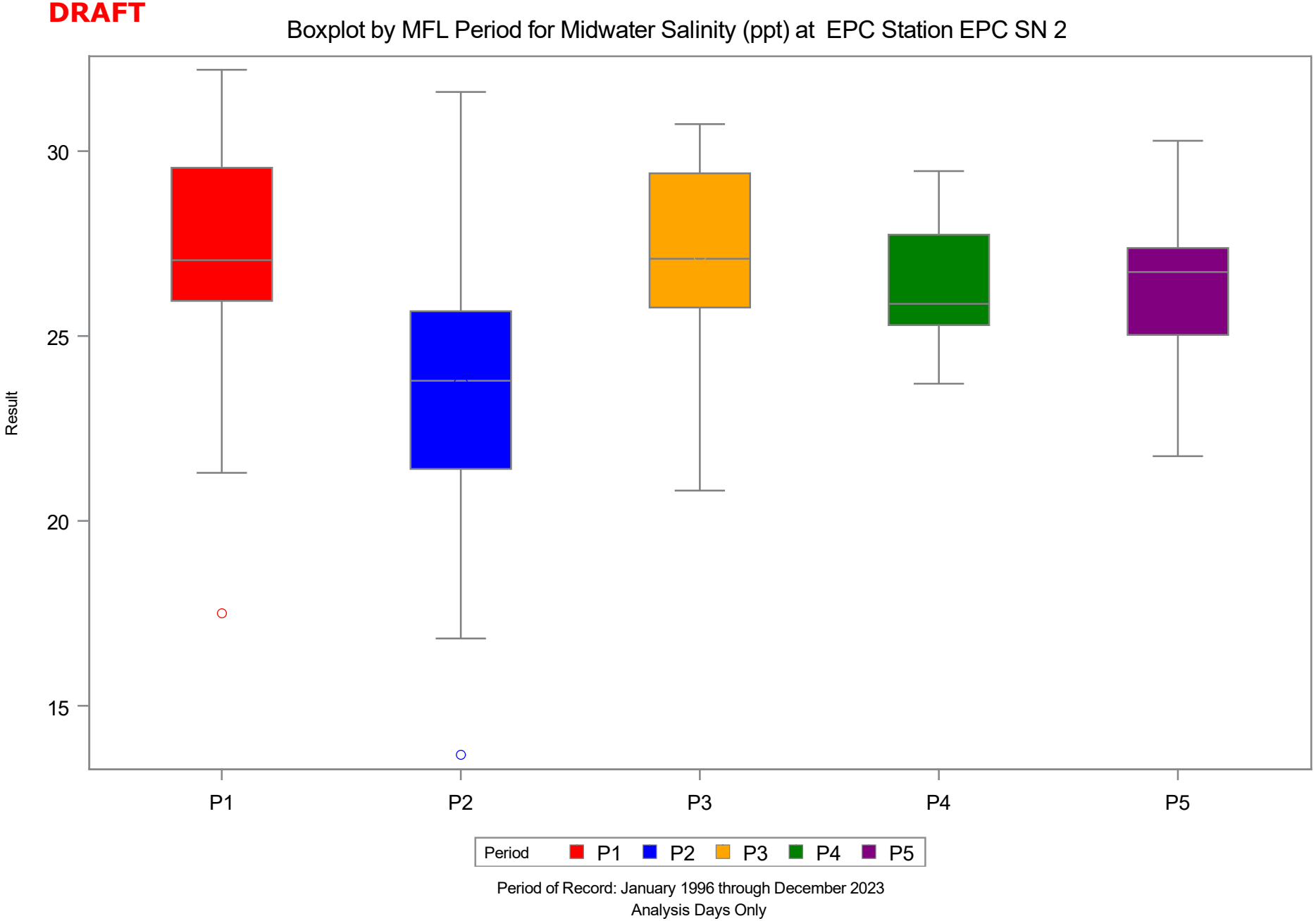
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 2

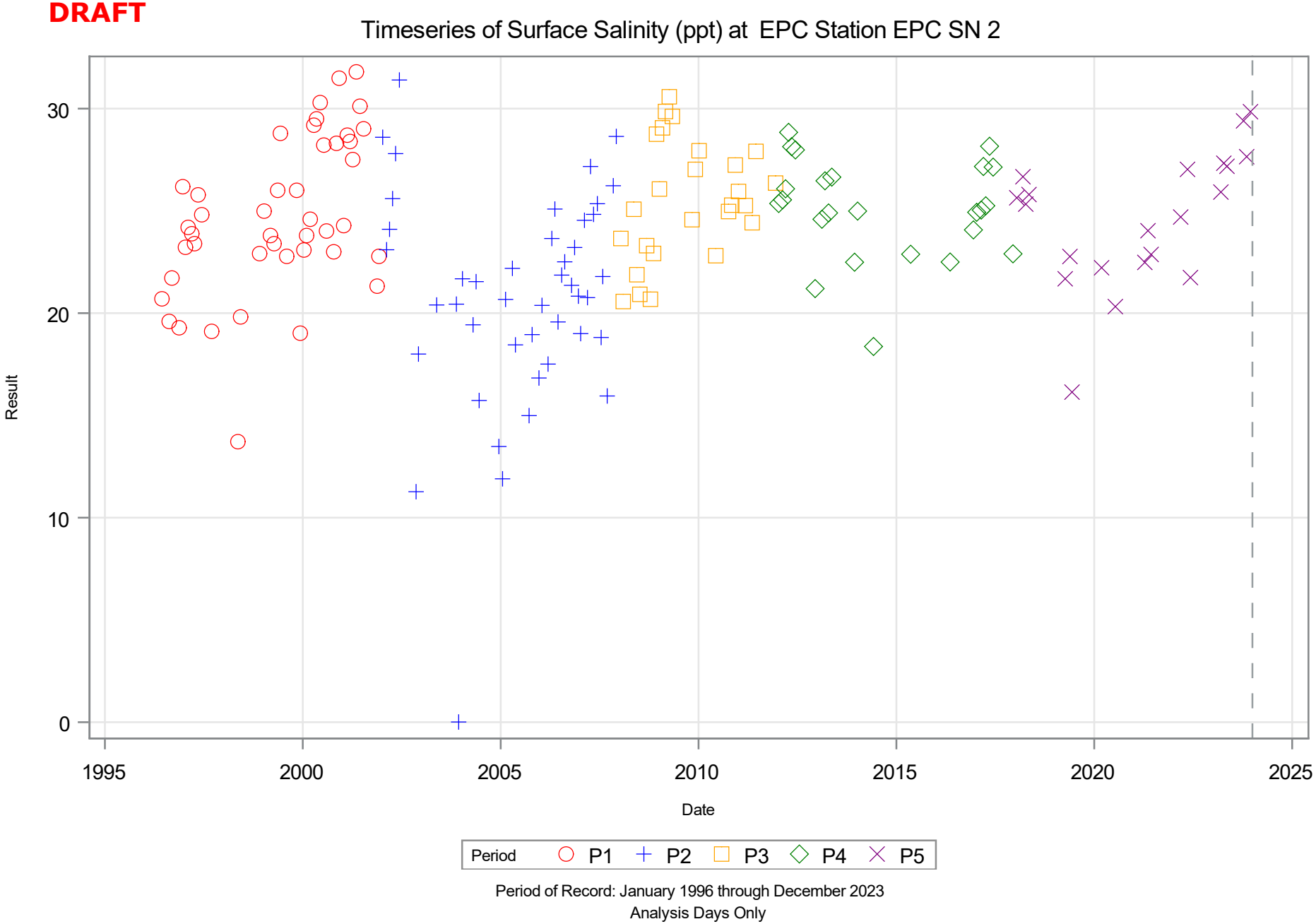
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	17.50	25.95	27.27	27.05	29.55	32.20
P2	44	13.67	21.41	23.73	23.79	25.67	31.60
P3	26	20.82	25.77	27.18	27.09	29.40	30.73
P4	24	23.71	25.30	26.49	25.87	27.74	29.46
P5	21	21.75	25.03	26.32	26.73	27.38	30.28

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

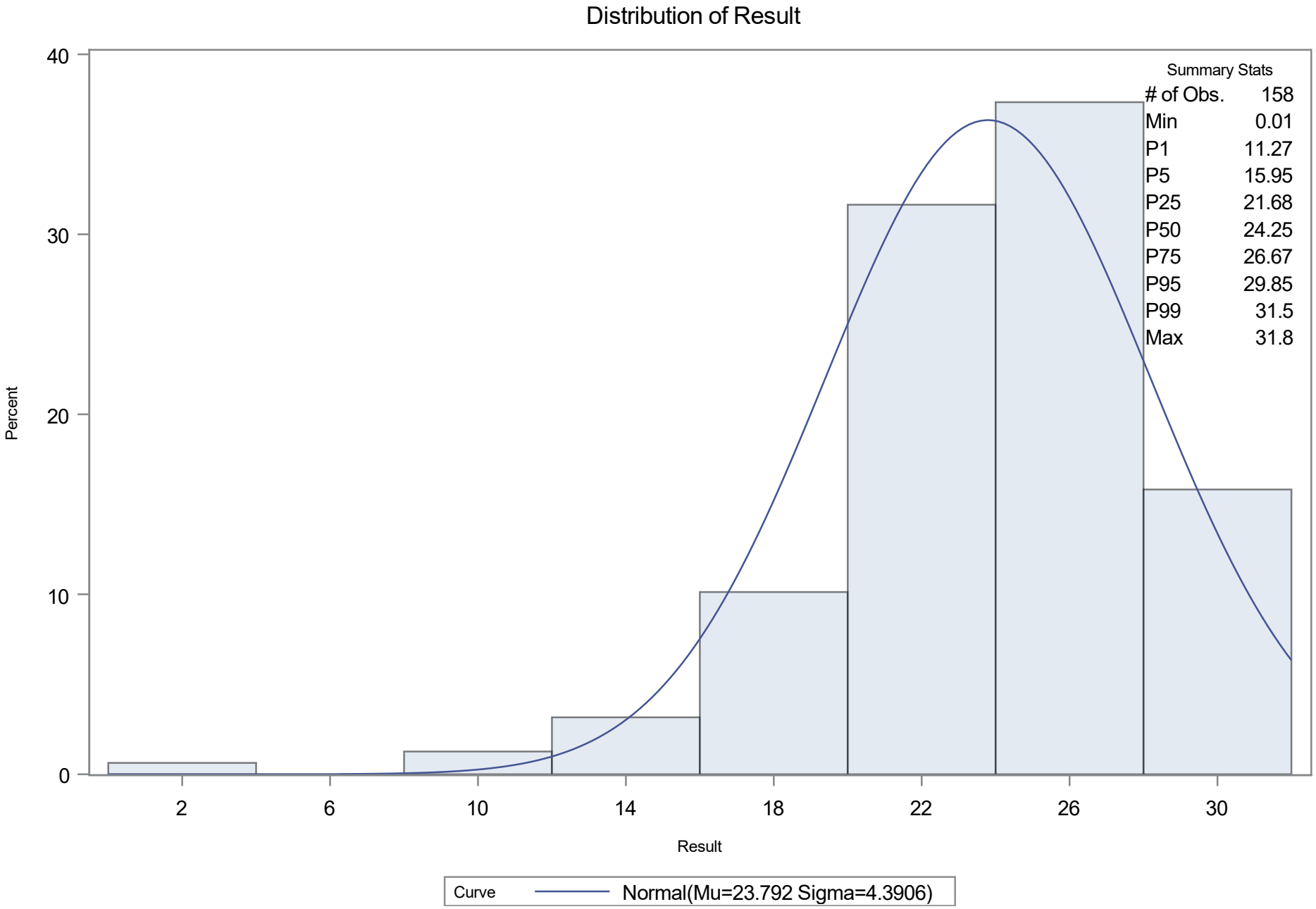

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 2
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 2
Result
30
20
10
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.79222
Std Dev	Sigma	4.39064

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07883786	**Pr > D**	0.017
Cramer-von Mises	**W-Sq**	0.20597786	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.42795082	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.2700	13.5781
5.0	15.9500	16.5703
10.0	18.9500	18.1654
25.0	21.6800	20.8308
50.0	24.2500	23.7922
75.0	26.6700	26.7537
90.0	28.8000	29.4190
95.0	29.8500	31.0142
99.0	31.5000	34.0064

Period of Record: January 1996 through December 2023
Analysis Days Only

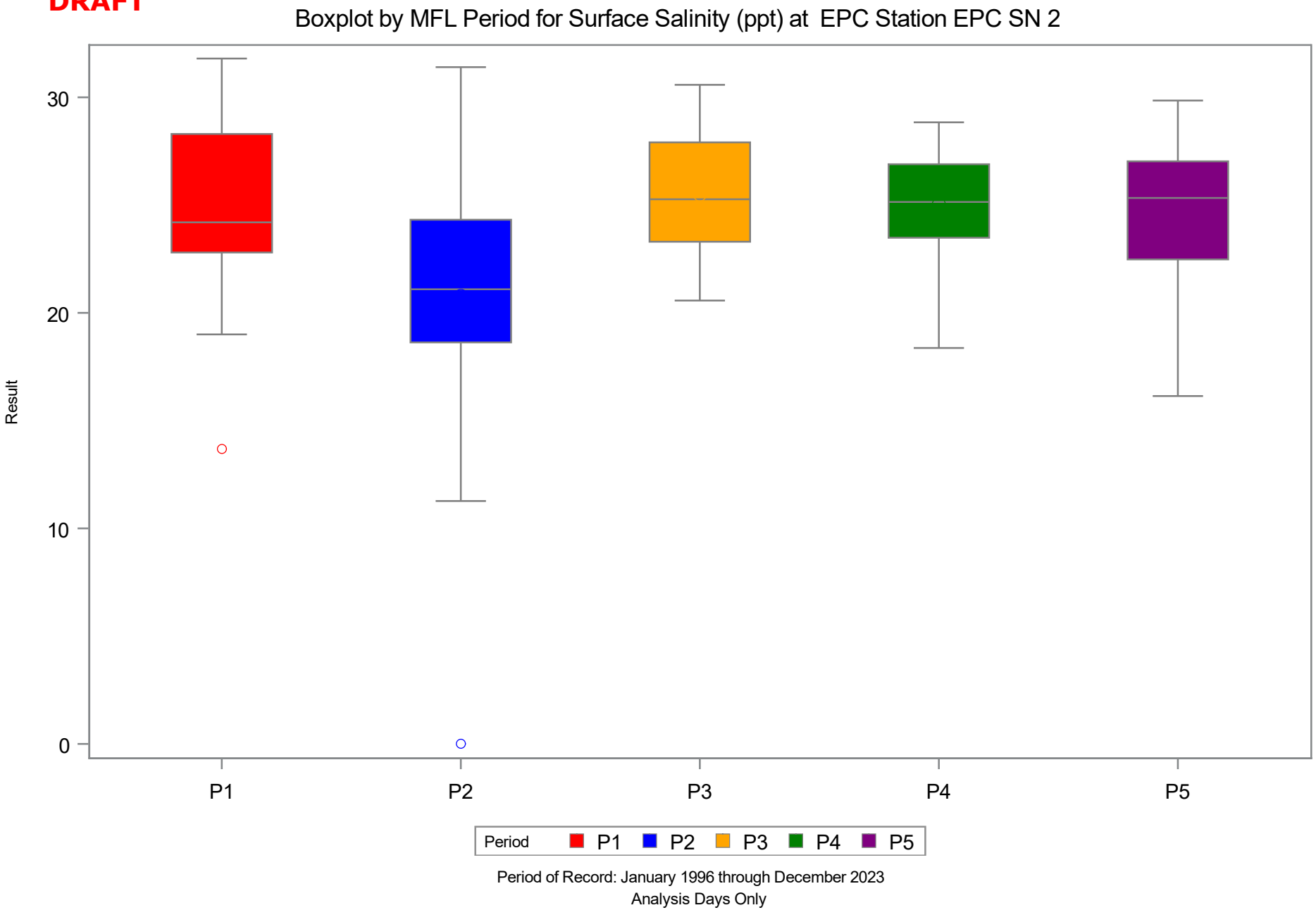
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 2

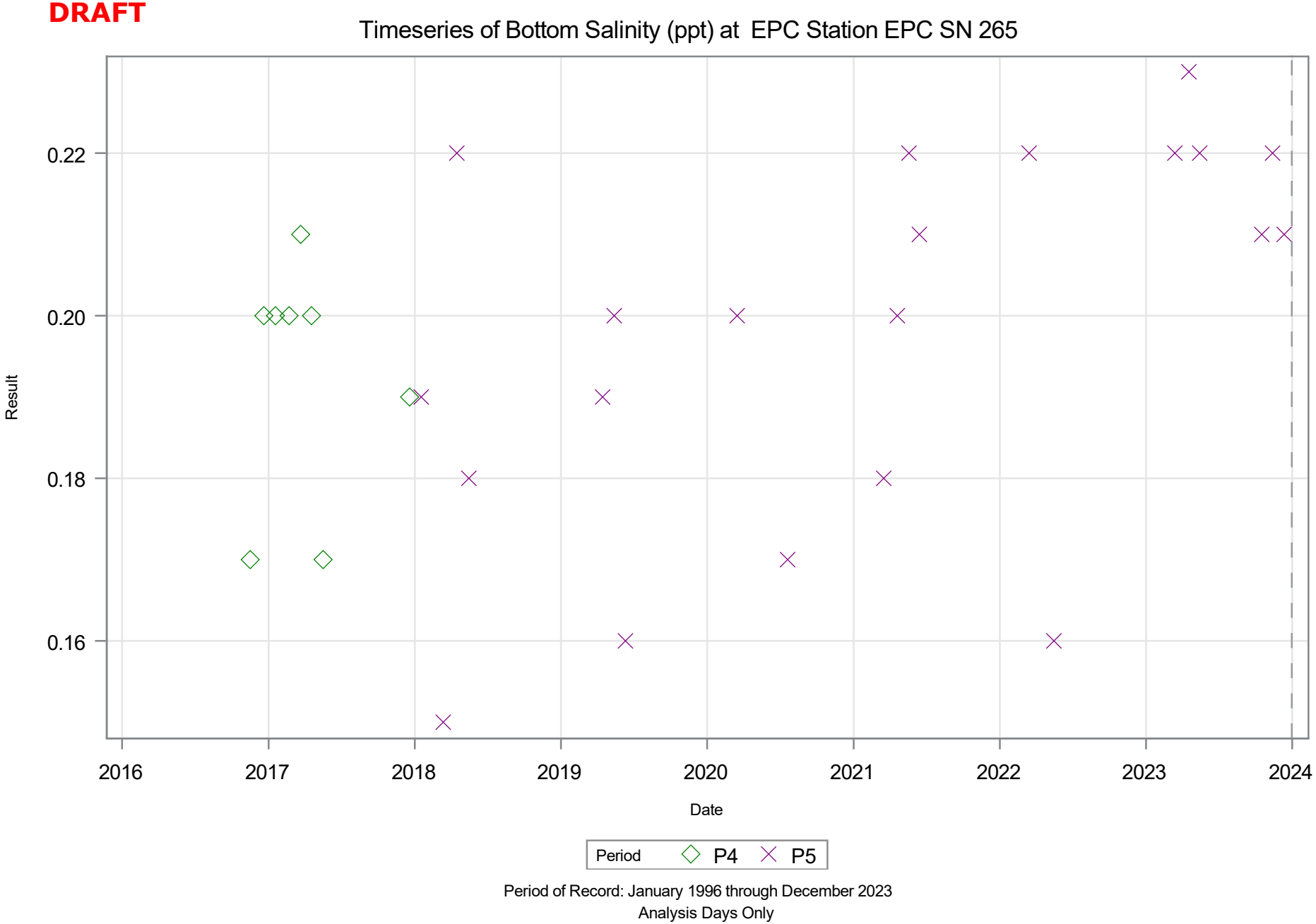
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	13.70	22.80	24.71	24.20	28.30	31.80
P2	44	0.01	18.63	20.81	21.10	24.32	31.40
P3	26	20.57	23.30	25.49	25.27	27.91	30.58
P4	24	18.37	23.49	25.07	25.15	26.90	28.84
P5	21	16.14	22.48	24.61	25.33	27.03	29.85

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

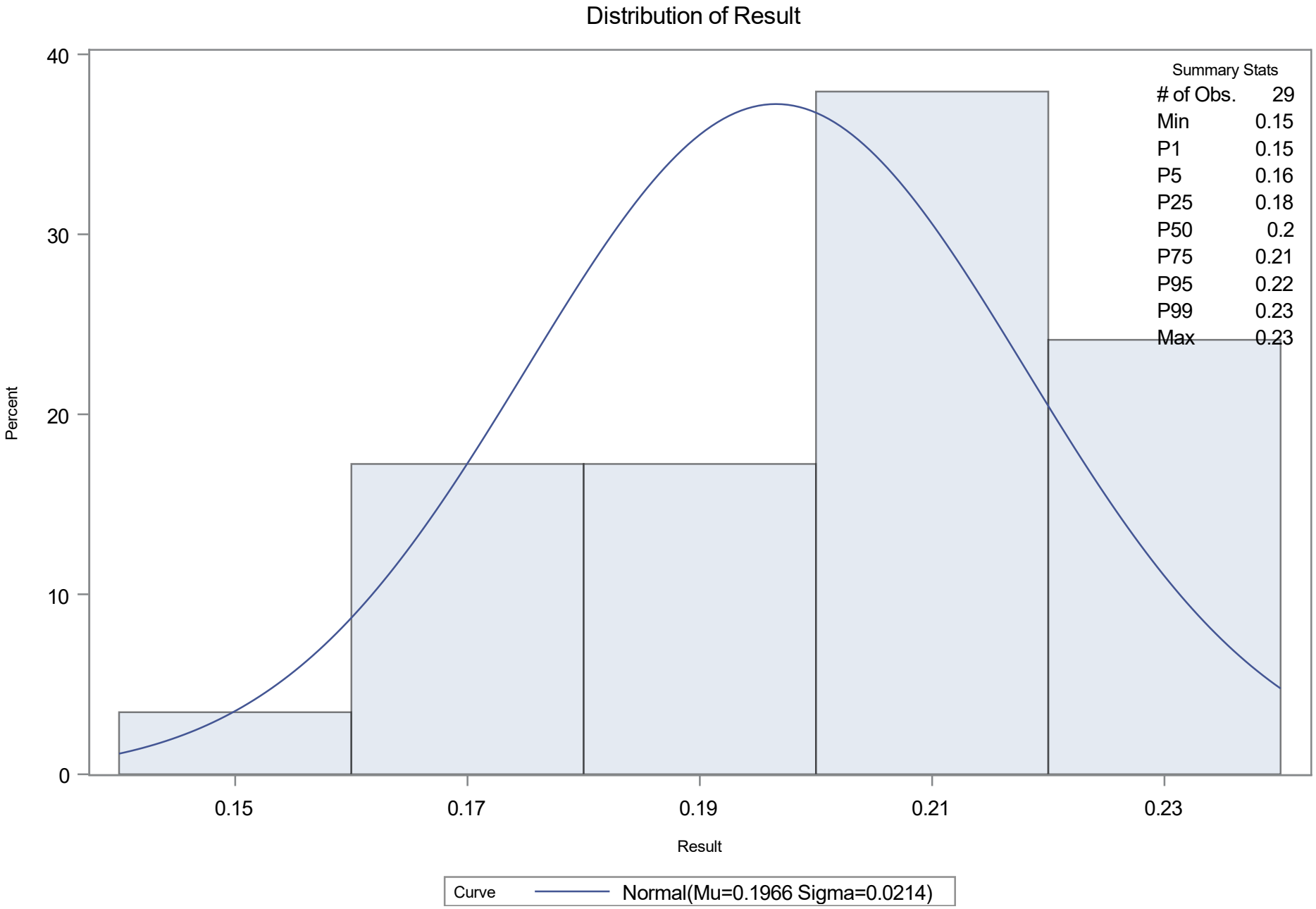

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 2
Result
30
20
10
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 265
Result
0.22
0.20
0.18
0.16
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.196552
Std Dev	Sigma	0.021427

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18461613	**Pr > D**	0.013
Cramer-von Mises	**W-Sq**	0.12458134	**Pr > W-Sq**	0.049
Anderson-Darling	**A-Sq**	0.74936725	**Pr > A-Sq**	0.046

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	0.14671
5.0	0.16000	0.16131
10.0	0.16000	0.16909
25.0	0.18000	0.18210
50.0	0.20000	0.19655
75.0	0.21000	0.21100
90.0	0.22000	0.22401
95.0	0.22000	0.23180
99.0	0.23000	0.24640

Period of Record: January 1996 through December 2023
Analysis Days Only

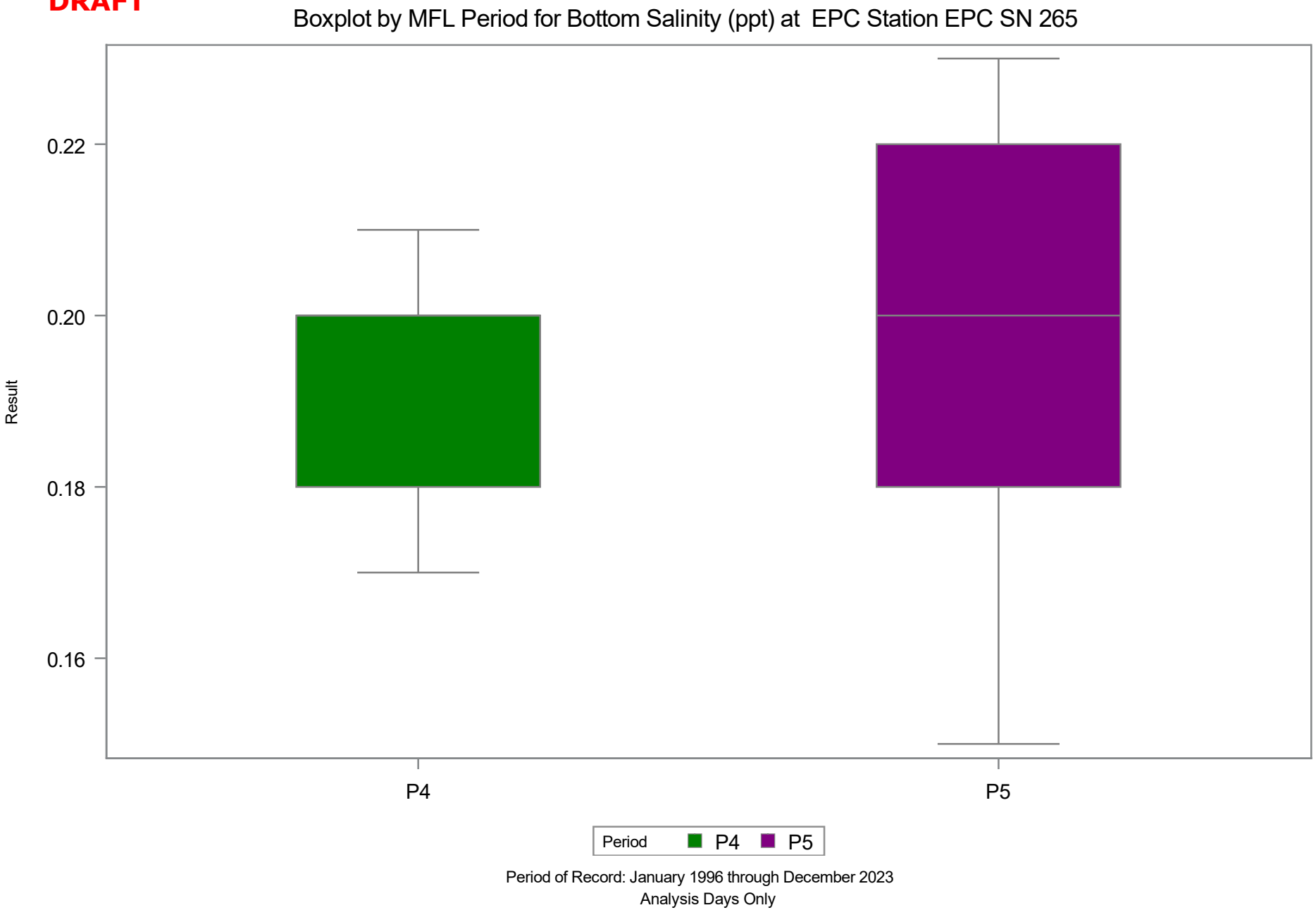
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 265

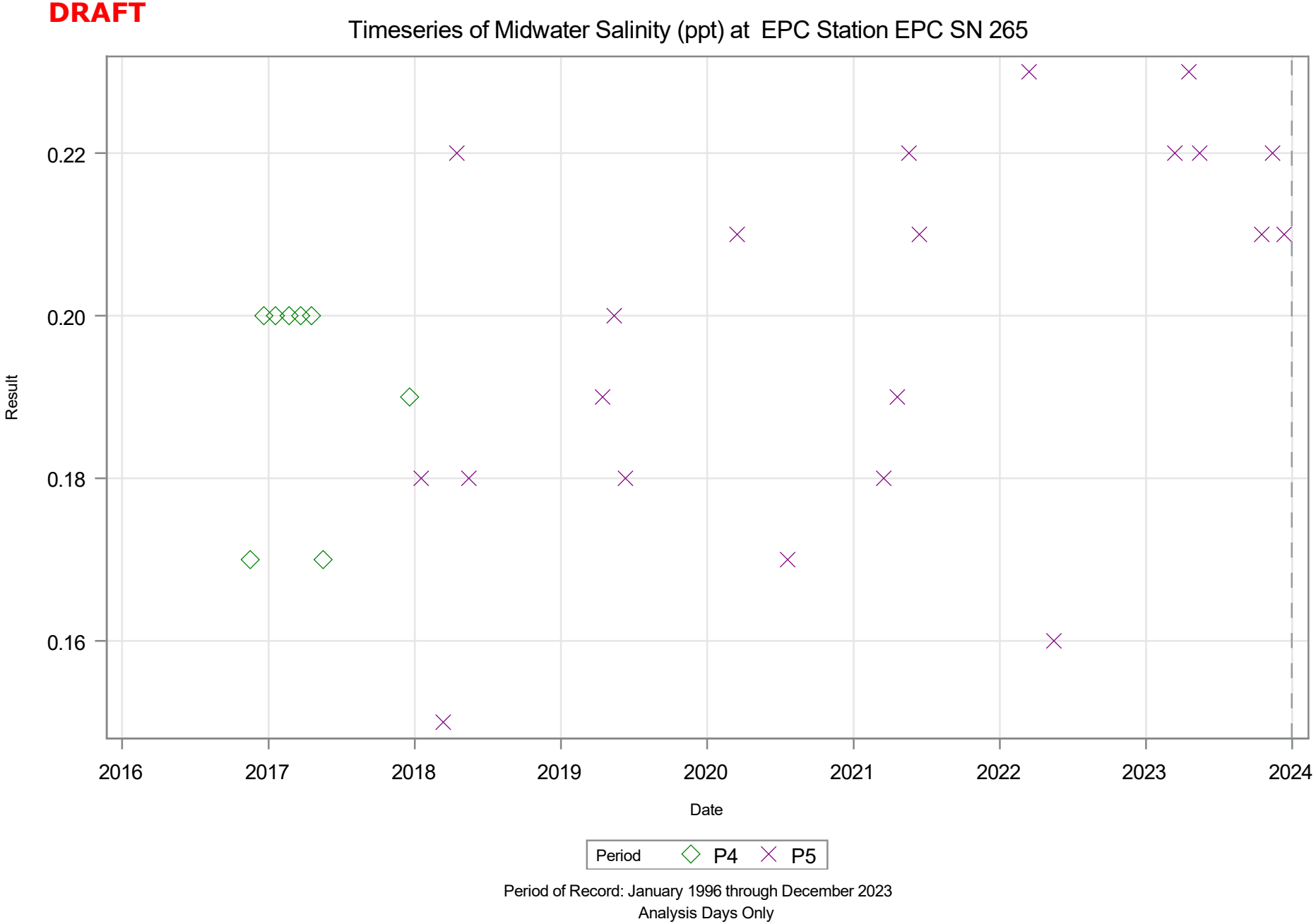
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.17	0.18	0.19	0.20	0.20	0.21
P5	21	0.15	0.18	0.20	0.20	0.22	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

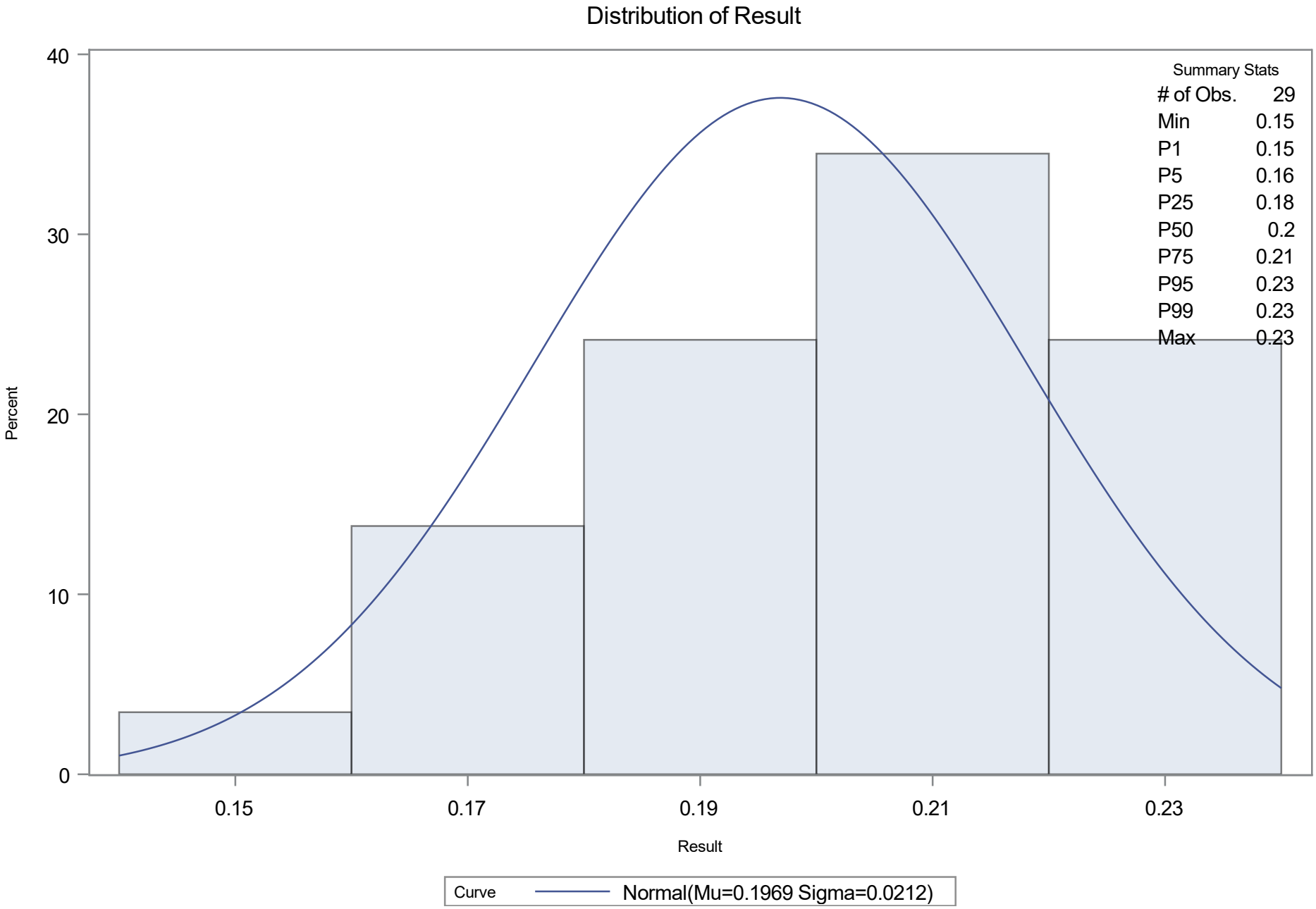

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 265
Result
0.22
0.20
0.18
0.16
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 265
Result
0.22
0.20
0.18
0.16
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.196897
Std Dev	Sigma	0.021231

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14431646	**Pr > D**	0.123
Cramer-von Mises	**W-Sq**	0.07715436	**Pr > W-Sq**	0.224
Anderson-Darling	**A-Sq**	0.46776901	**Pr > A-Sq**	0.238

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	0.14751
5.0	0.16000	0.16198
10.0	0.17000	0.16969
25.0	0.18000	0.18258
50.0	0.20000	0.19690
75.0	0.21000	0.21122
90.0	0.22000	0.22410
95.0	0.23000	0.23182
99.0	0.23000	0.24629

Period of Record: January 1996 through December 2023
Analysis Days Only

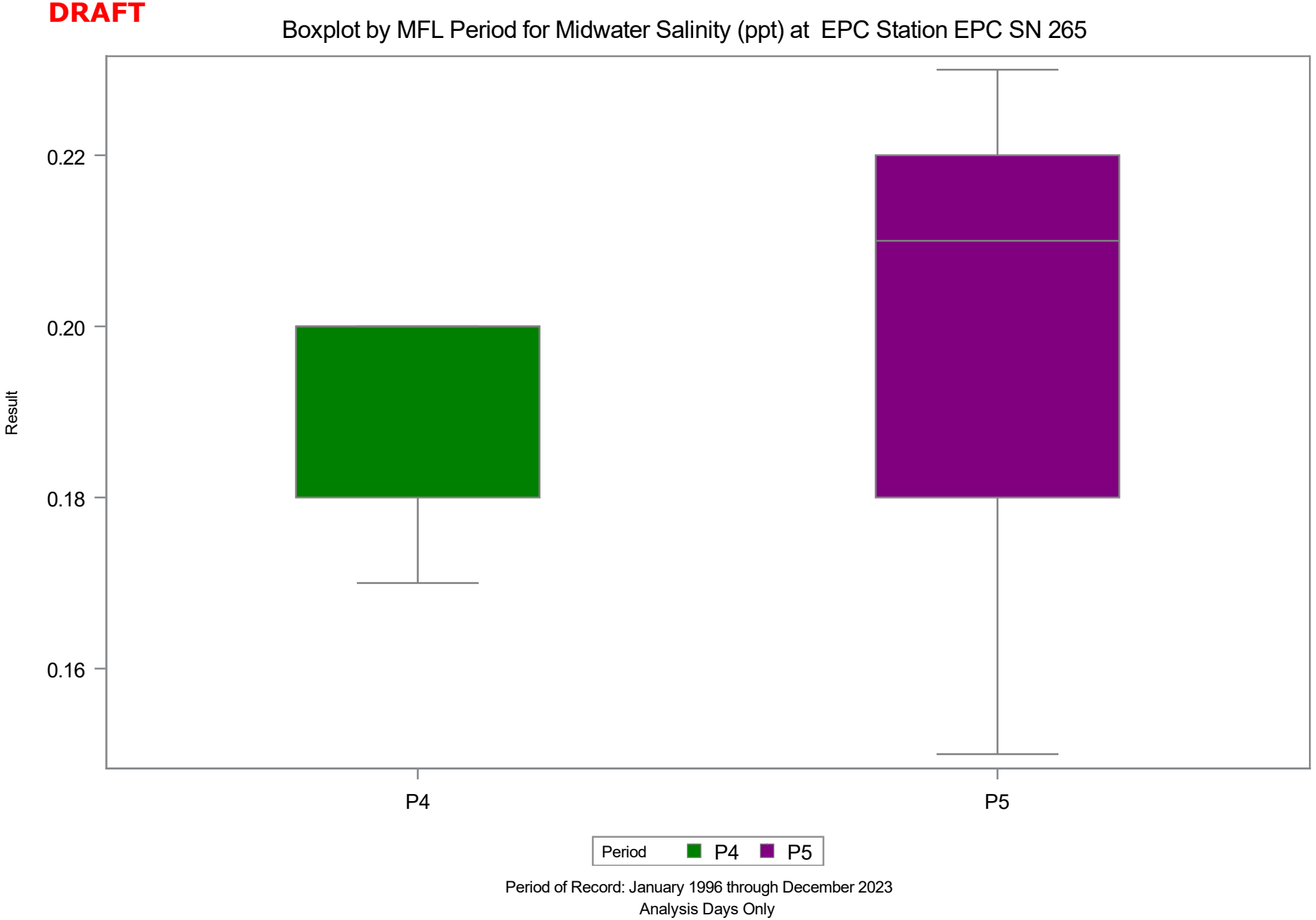
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 265

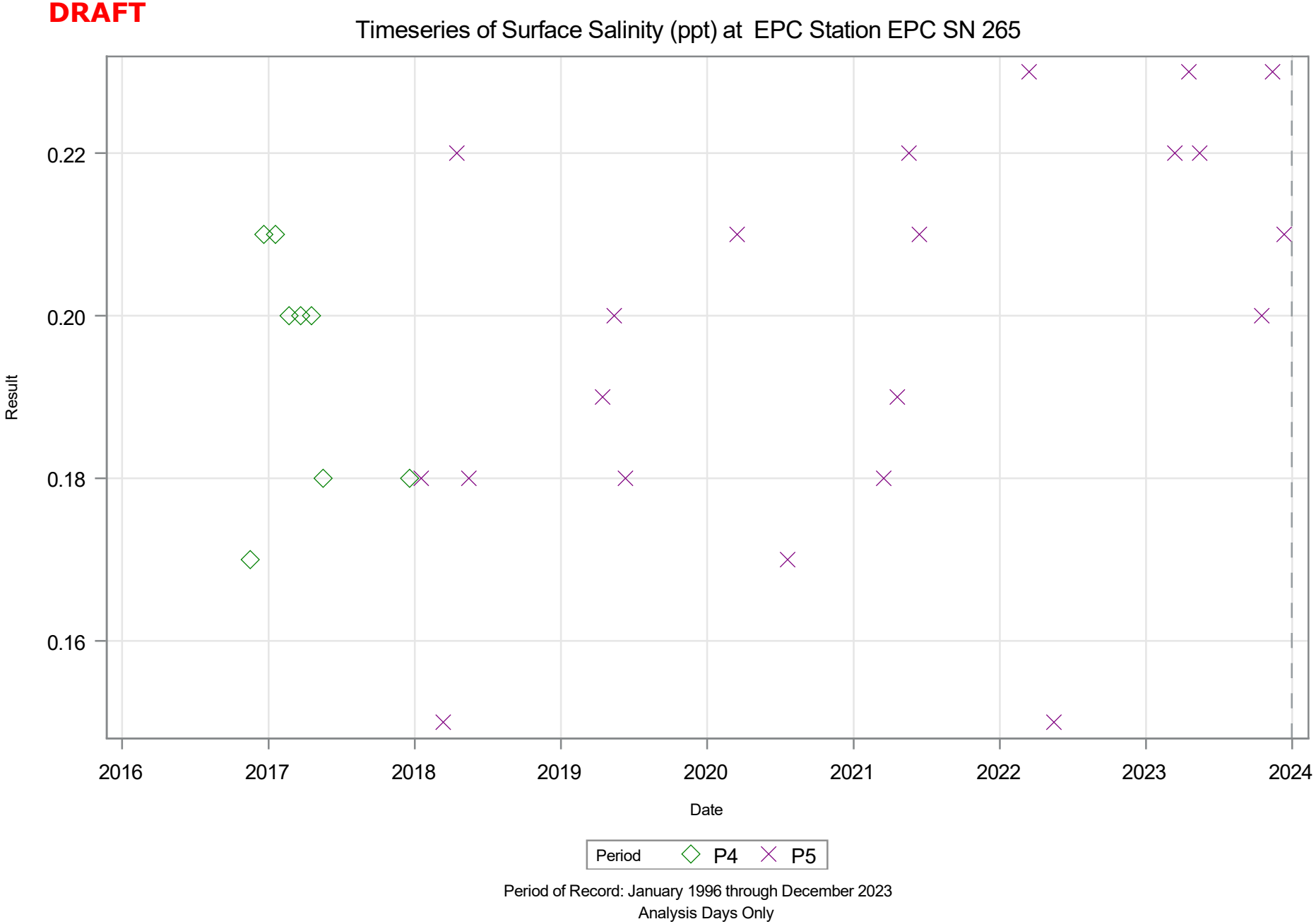
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.17	0.18	0.19	0.20	0.20	0.20
P5	21	0.15	0.18	0.20	0.21	0.22	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

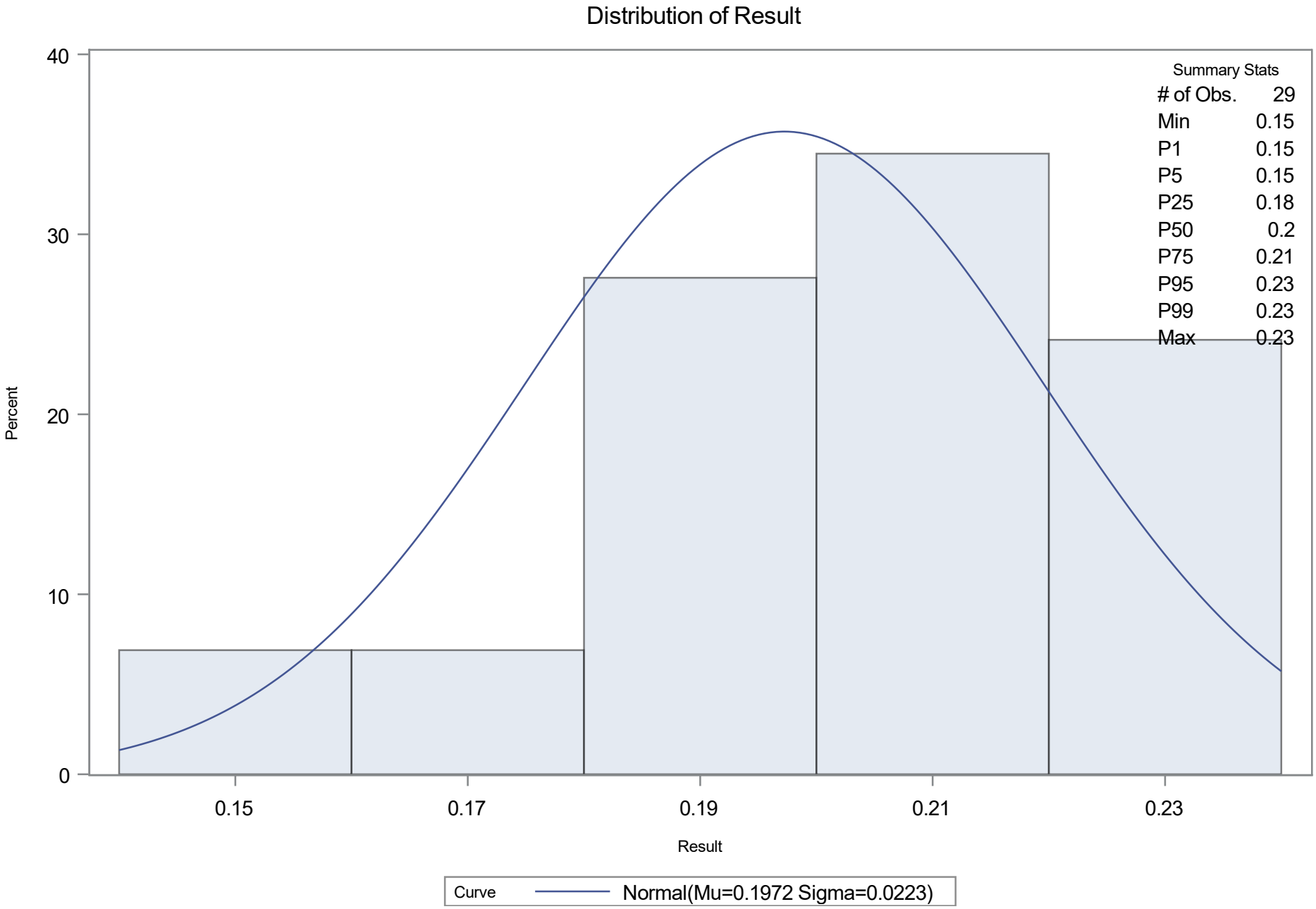

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 265
Result
0.22
0.20
0.18
0.16
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 265
Result
0.22
0.20
0.18
0.16
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.197241
Std Dev	Sigma	0.022344

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13533568	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08511608	**Pr > W-Sq**	0.176
Anderson-Darling	**A-Sq**	0.53929271	**Pr > A-Sq**	0.157

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	0.14526
5.0	0.15000	0.16049
10.0	0.17000	0.16861
25.0	0.18000	0.18217
50.0	0.20000	0.19724
75.0	0.21000	0.21231
90.0	0.23000	0.22588
95.0	0.23000	0.23399
99.0	0.23000	0.24922

Period of Record: January 1996 through December 2023
Analysis Days Only

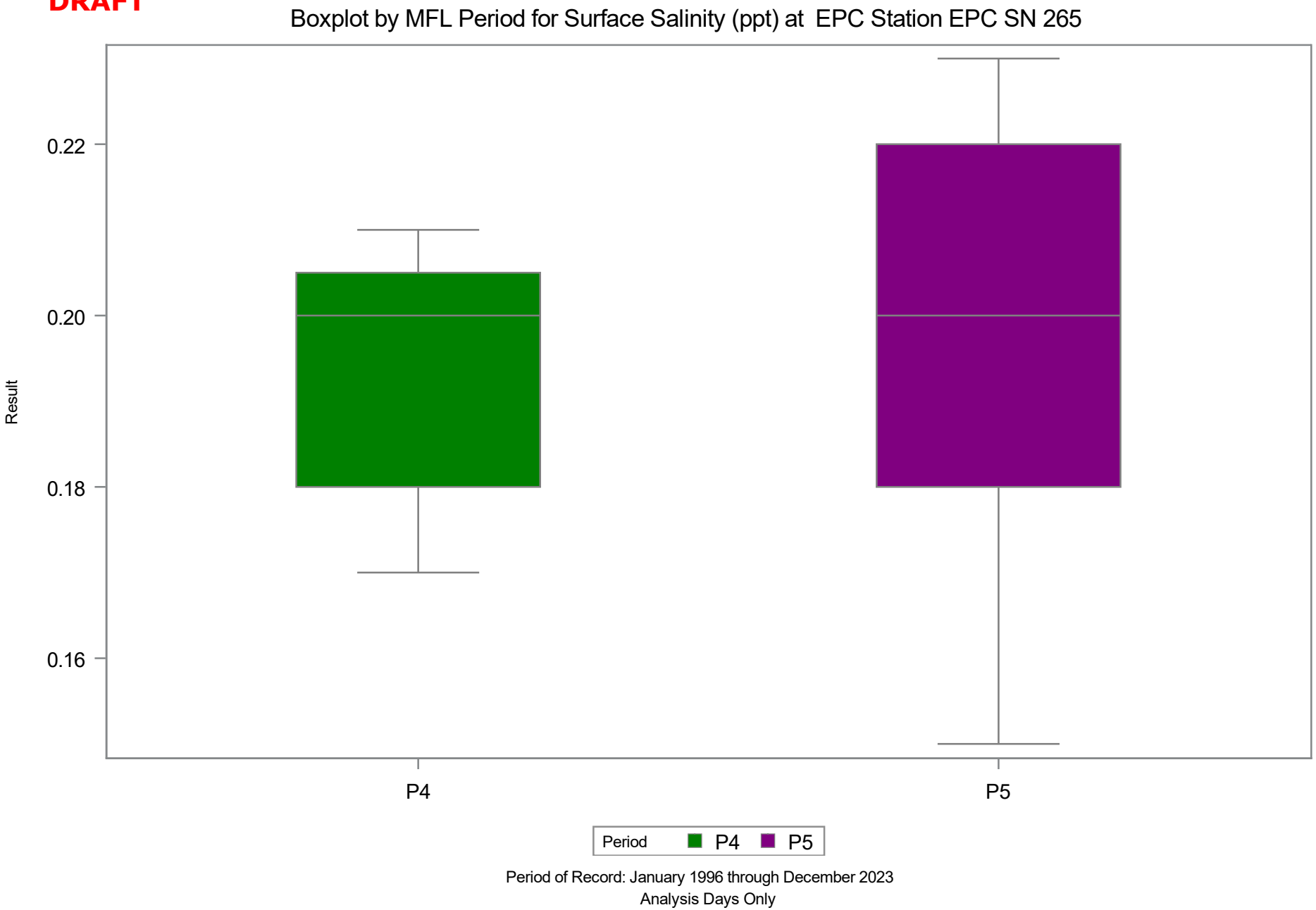
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 265

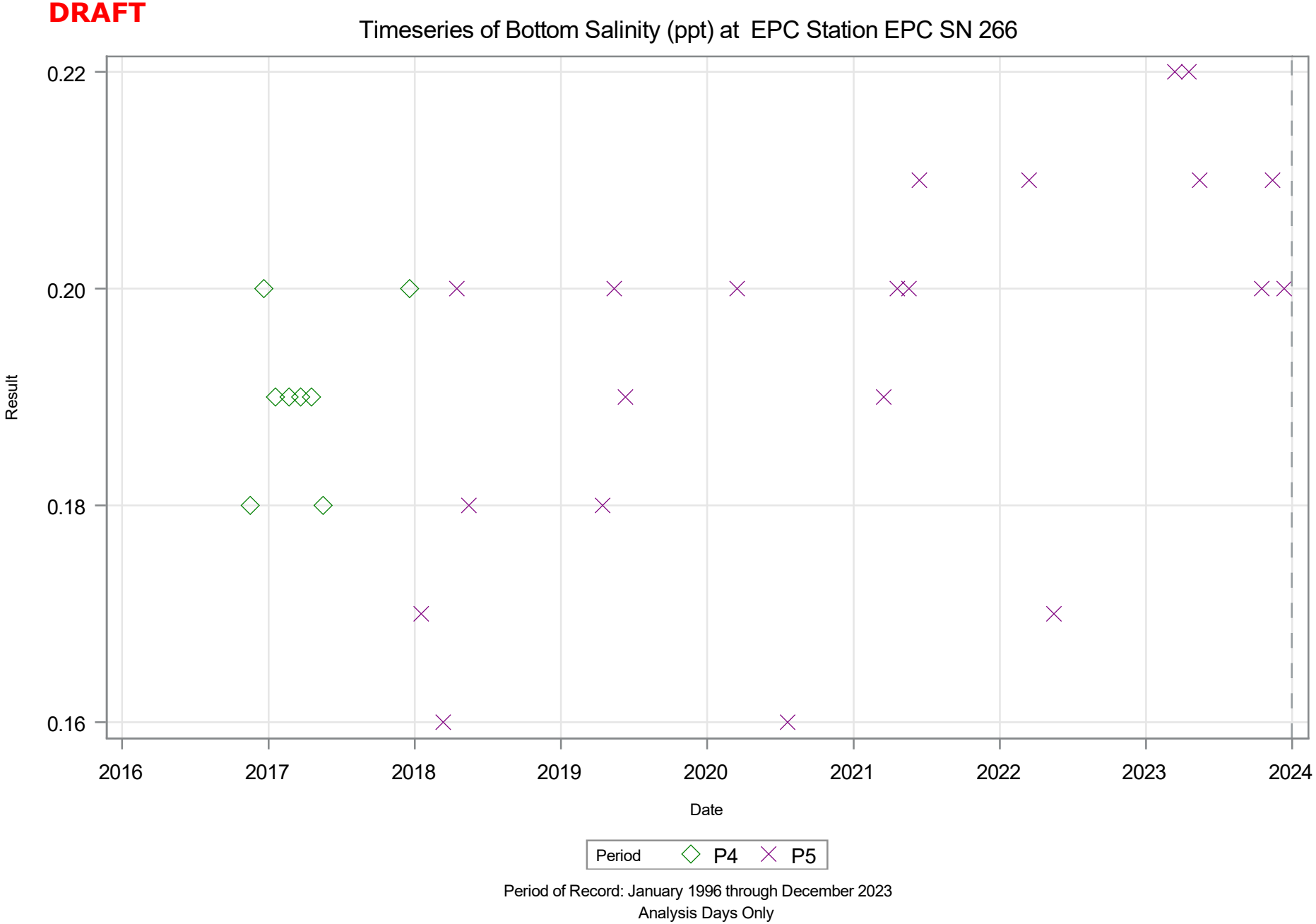
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.17	0.18	0.19	0.20	0.21	0.21
P5	21	0.15	0.18	0.20	0.20	0.22	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

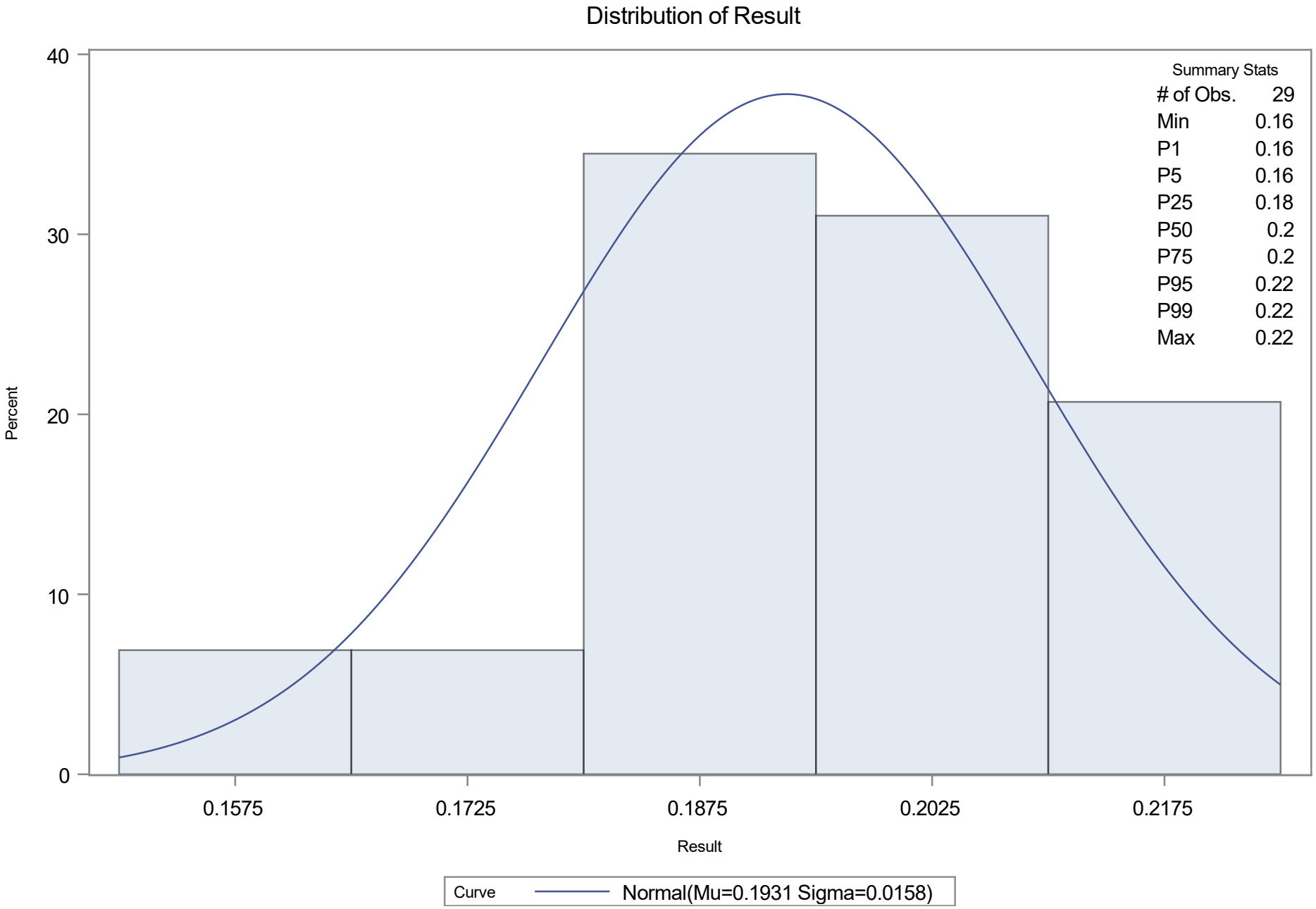

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 265
Result
0.22
0.20
0.18
0.16
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 266
0.22
0.20
0.18
0.16
Result
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.193103
Std Dev	Sigma	0.015835

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18565361	**Pr > D**	0.011
Cramer-von Mises	**W-Sq**	0.13096788	**Pr > W-Sq**	0.042
Anderson-Darling	**A-Sq**	0.70440415	**Pr > A-Sq**	0.061

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.16000	0.15627
5.0	0.16000	0.16706
10.0	0.17000	0.17281
25.0	0.18000	0.18242
50.0	0.20000	0.19310
75.0	0.20000	0.20378
90.0	0.21000	0.21340
95.0	0.22000	0.21915
99.0	0.22000	0.22994

Period of Record: January 1996 through December 2023
Analysis Days Only

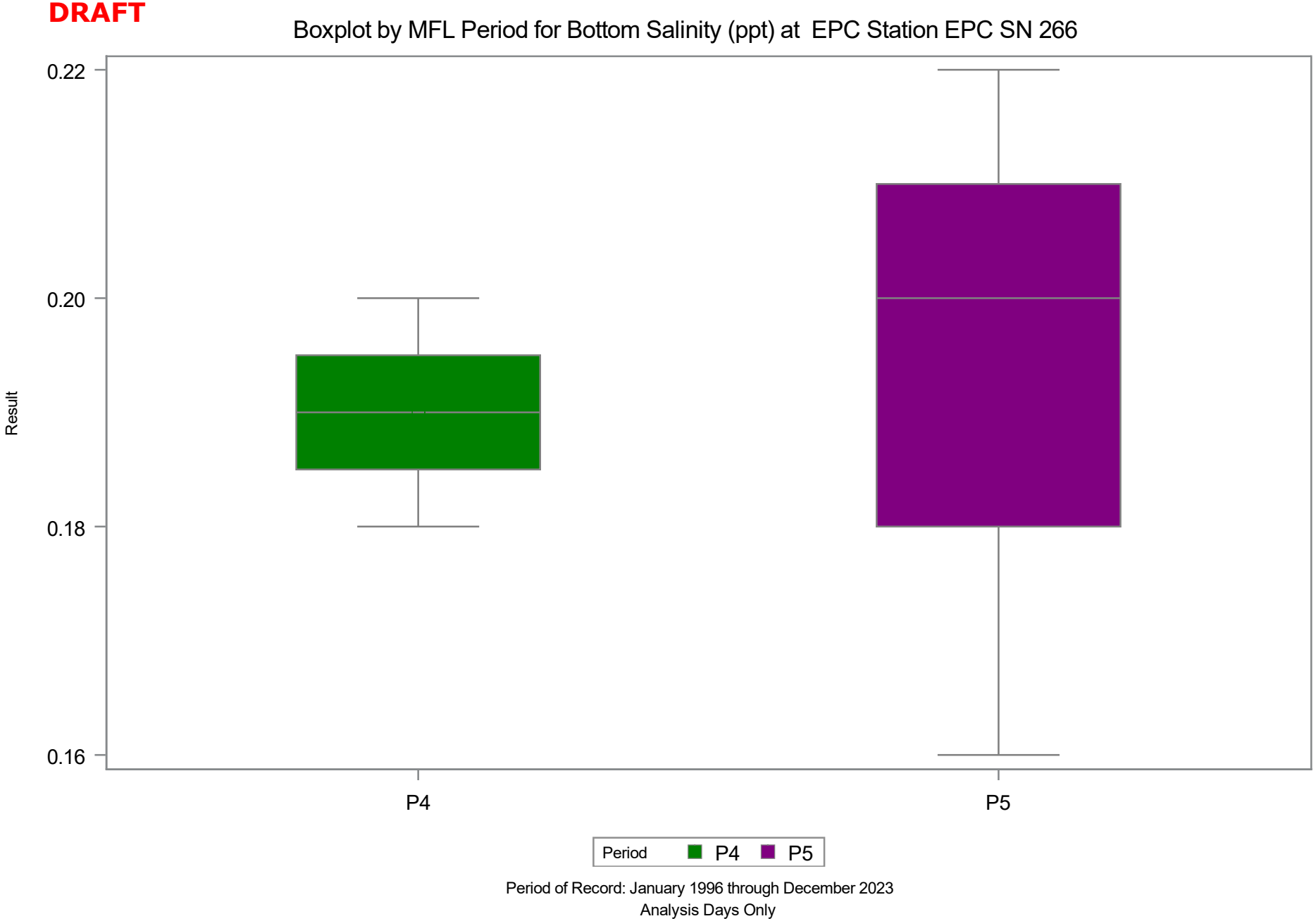
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 266

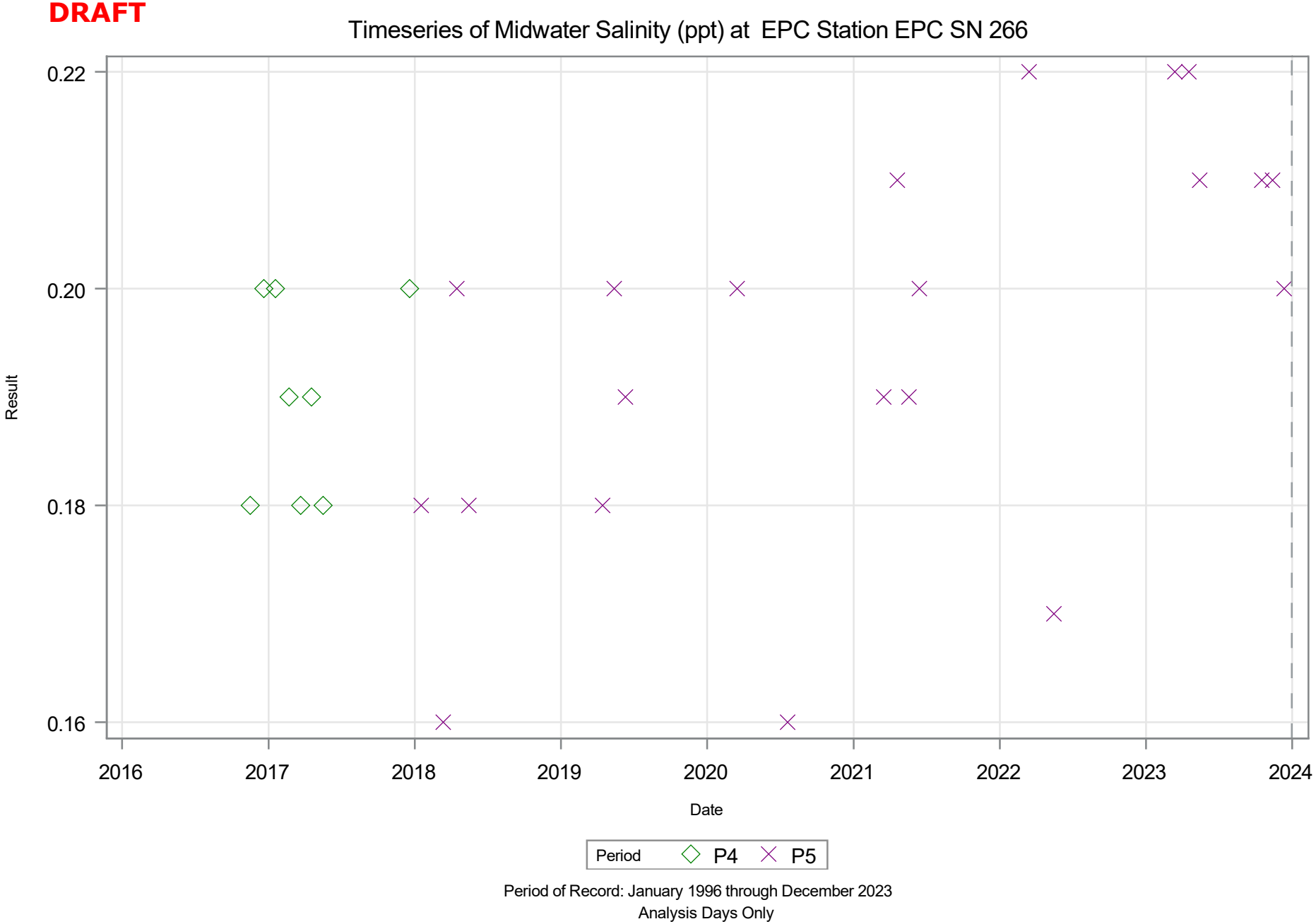
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.18	0.19	0.19	0.19	0.20	0.20
P5	21	0.16	0.18	0.19	0.20	0.21	0.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

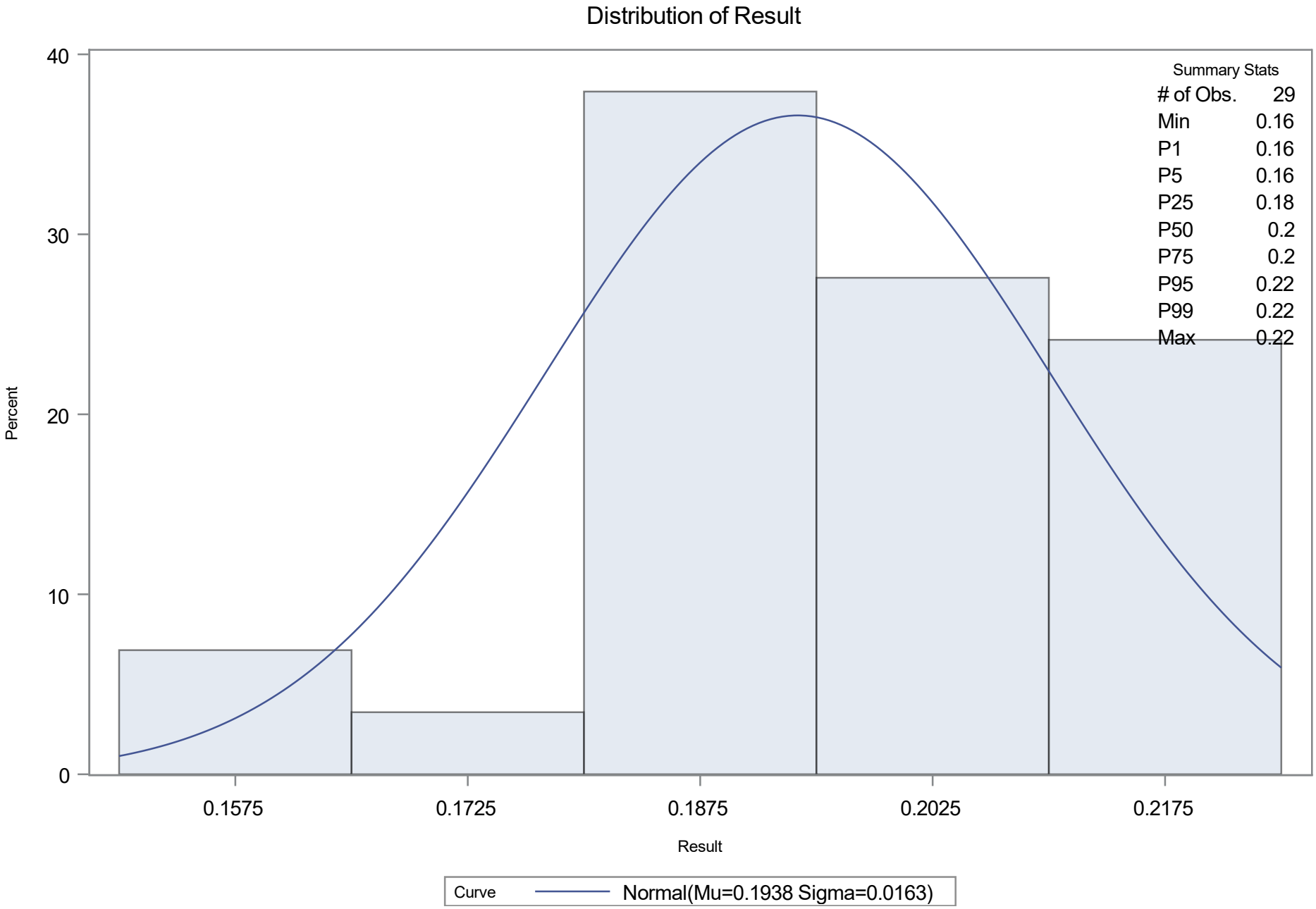

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 266
0.22
0.20
0.18
0.16
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 266
Result
0.22
0.20
0.18
0.16
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.193793
Std Dev	Sigma	0.016348

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16515150	**Pr > D**	0.042
Cramer-von Mises	**W-Sq**	0.10258552	**Pr > W-Sq**	0.099
Anderson-Darling	**A-Sq**	0.59668994	**Pr > A-Sq**	0.112

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.16000	0.15576
5.0	0.16000	0.16690
10.0	0.17000	0.17284
25.0	0.18000	0.18277
50.0	0.20000	0.19379
75.0	0.20000	0.20482
90.0	0.22000	0.21474
95.0	0.22000	0.22068
99.0	0.22000	0.23182

Period of Record: January 1996 through December 2023
Analysis Days Only

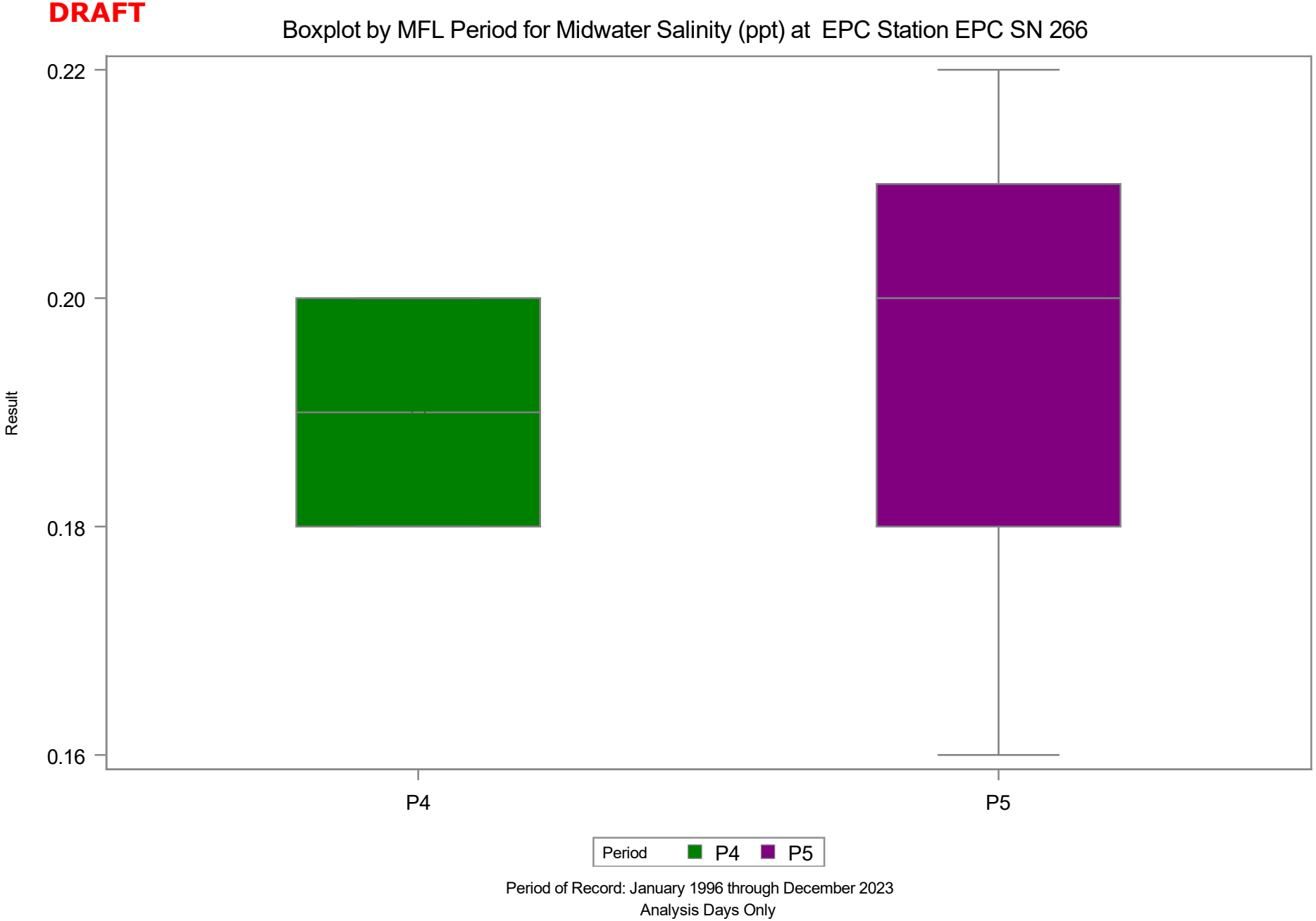
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 266

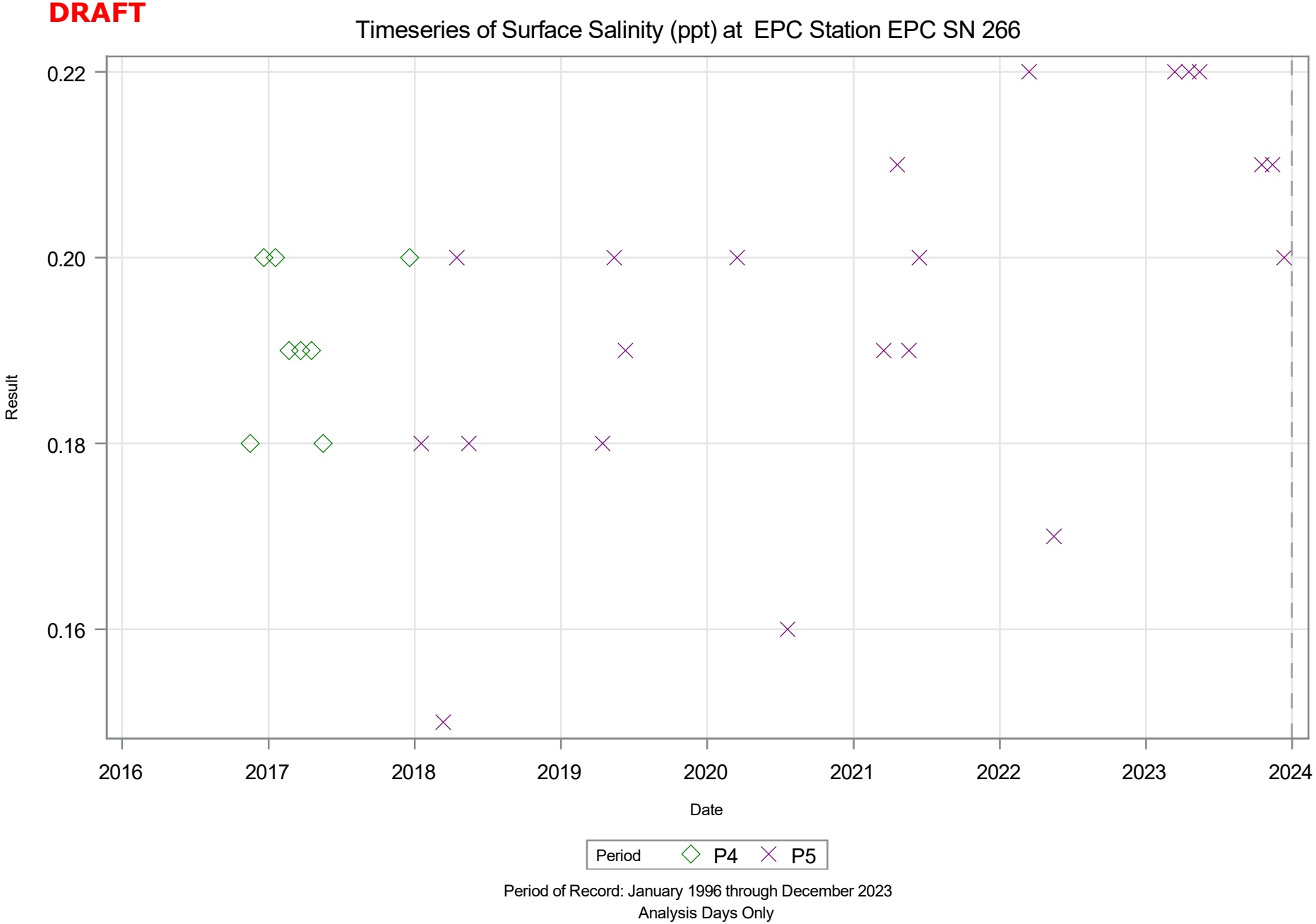
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.18	0.18	0.19	0.19	0.20	0.20
P5	21	0.16	0.18	0.20	0.20	0.21	0.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

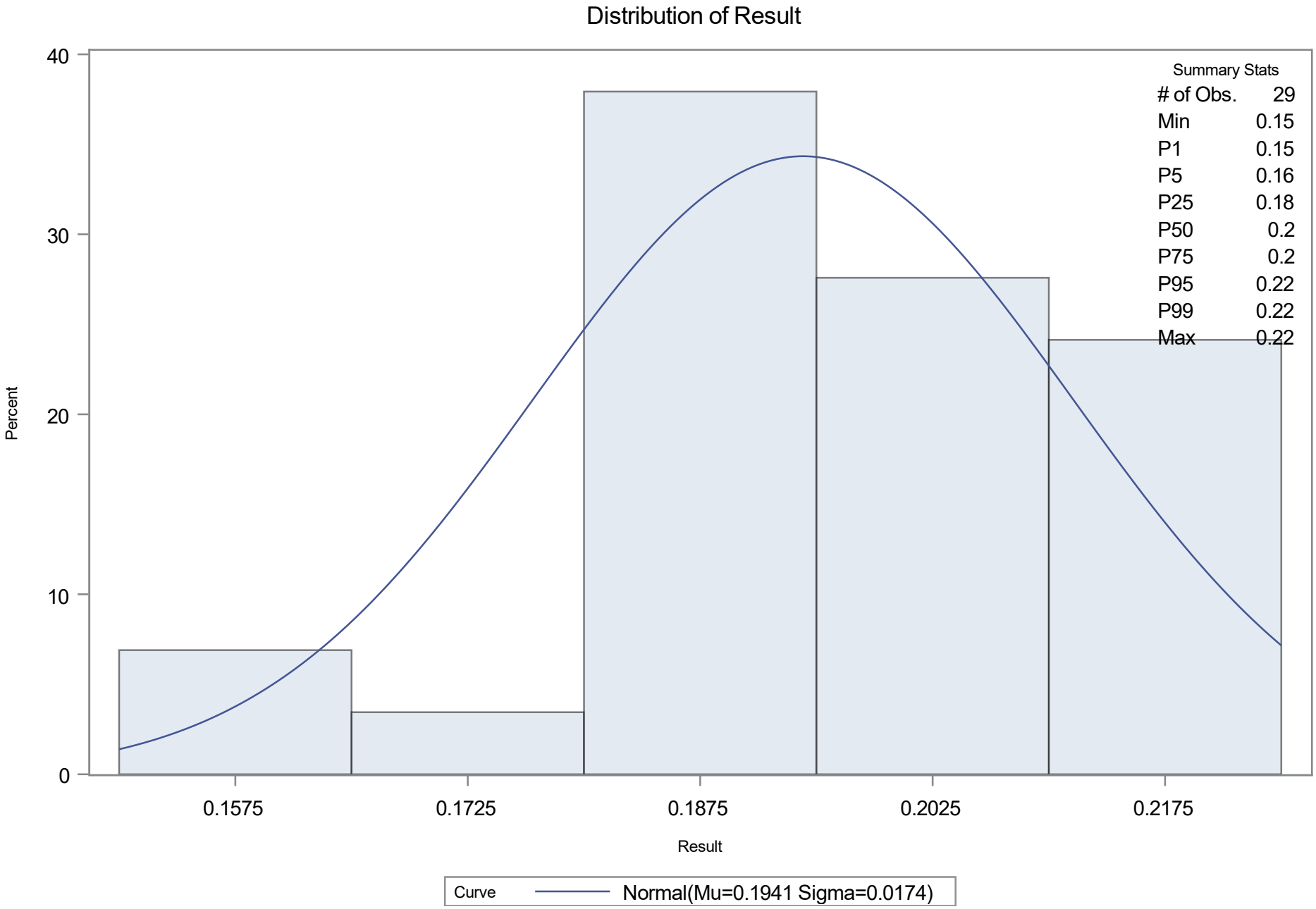

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 266
0.22
0.20
0.18
0.16
Result
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 266
Result
0.22
0.20
0.18
0.16
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.194138
Std Dev	Sigma	0.017427

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14894987	**Pr > D**	0.097
Cramer-von Mises	**W-Sq**	0.10198929	**Pr > W-Sq**	0.101
Anderson-Darling	**A-Sq**	0.60479928	**Pr > A-Sq**	0.106

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.15000	0.15360
5.0	0.16000	0.16547
10.0	0.17000	0.17180
25.0	0.18000	0.18238
50.0	0.20000	0.19414
75.0	0.20000	0.20589
90.0	0.22000	0.21647
95.0	0.22000	0.22280
99.0	0.22000	0.23468

Period of Record: January 1996 through December 2023
Analysis Days Only

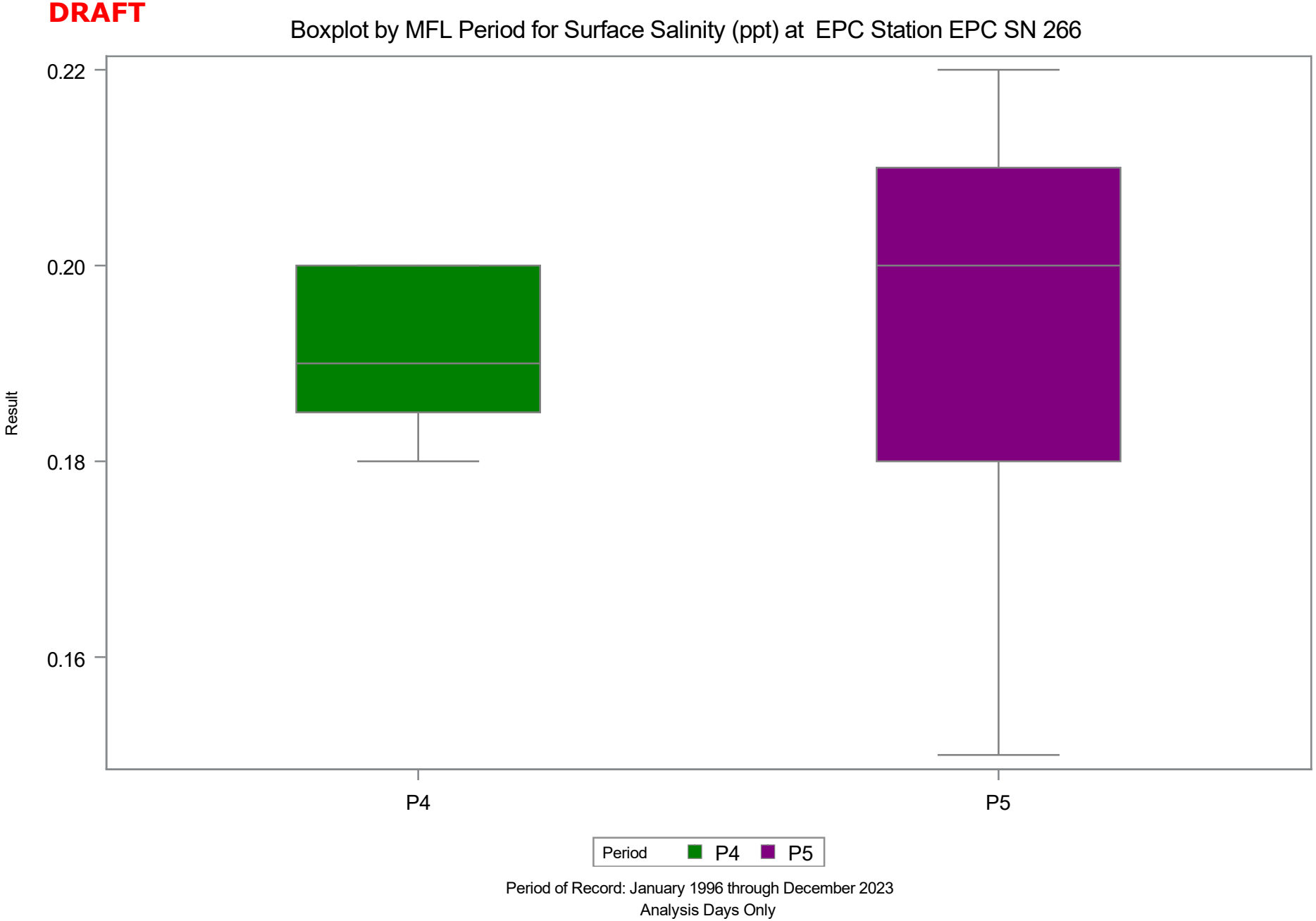
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 266

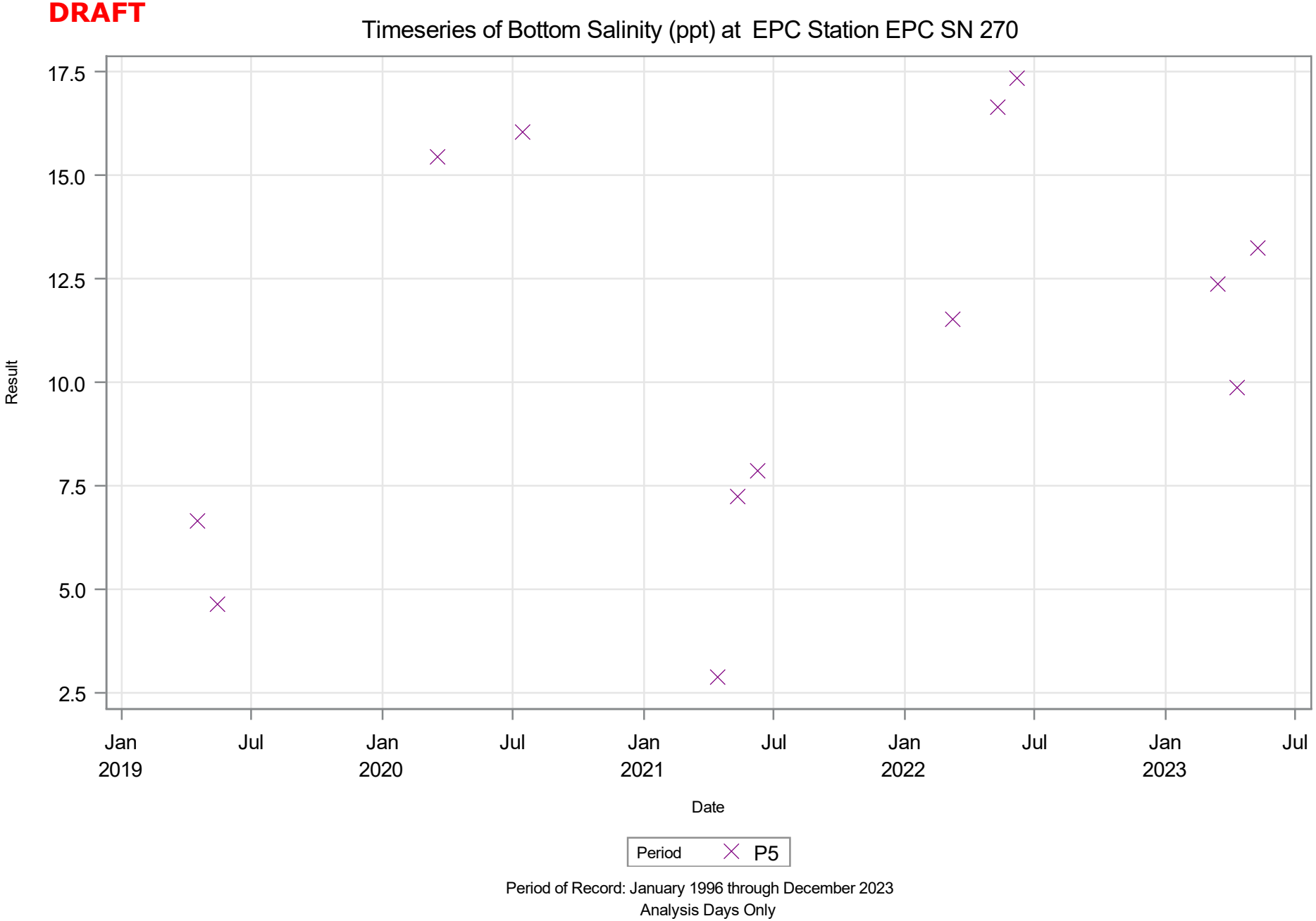
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.18	0.19	0.19	0.19	0.20	0.20
P5	21	0.15	0.18	0.20	0.20	0.21	0.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

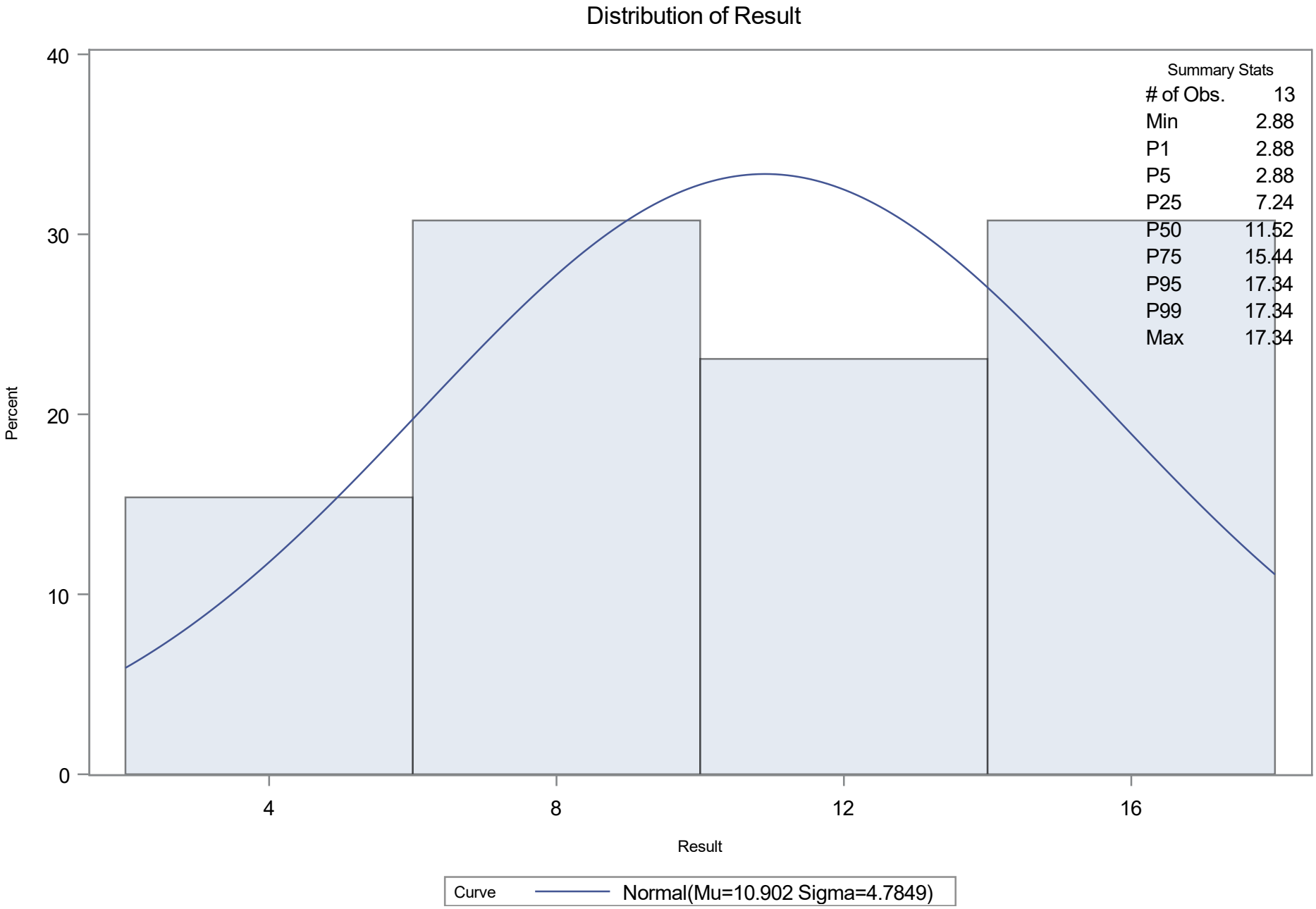

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 266
Result
0.22
0.20
0.18
0.16
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at EPC Station EPC SN 270
Result
17.5
15.0
12.5
10.0
7.5
5.0
2.5
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10.90231
Std Dev	Sigma	4.784888

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13621367	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03659862	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25745151	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.88000	-0.22901
5.0	2.88000	3.03187
10.0	4.64000	4.77023
25.0	7.24000	7.67495
50.0	11.52000	10.90231
75.0	15.44000	14.12967
90.0	16.64000	17.03439
95.0	17.34000	18.77275
99.0	17.34000	22.03362

Period of Record: January 1996 through December 2023
Analysis Days Only

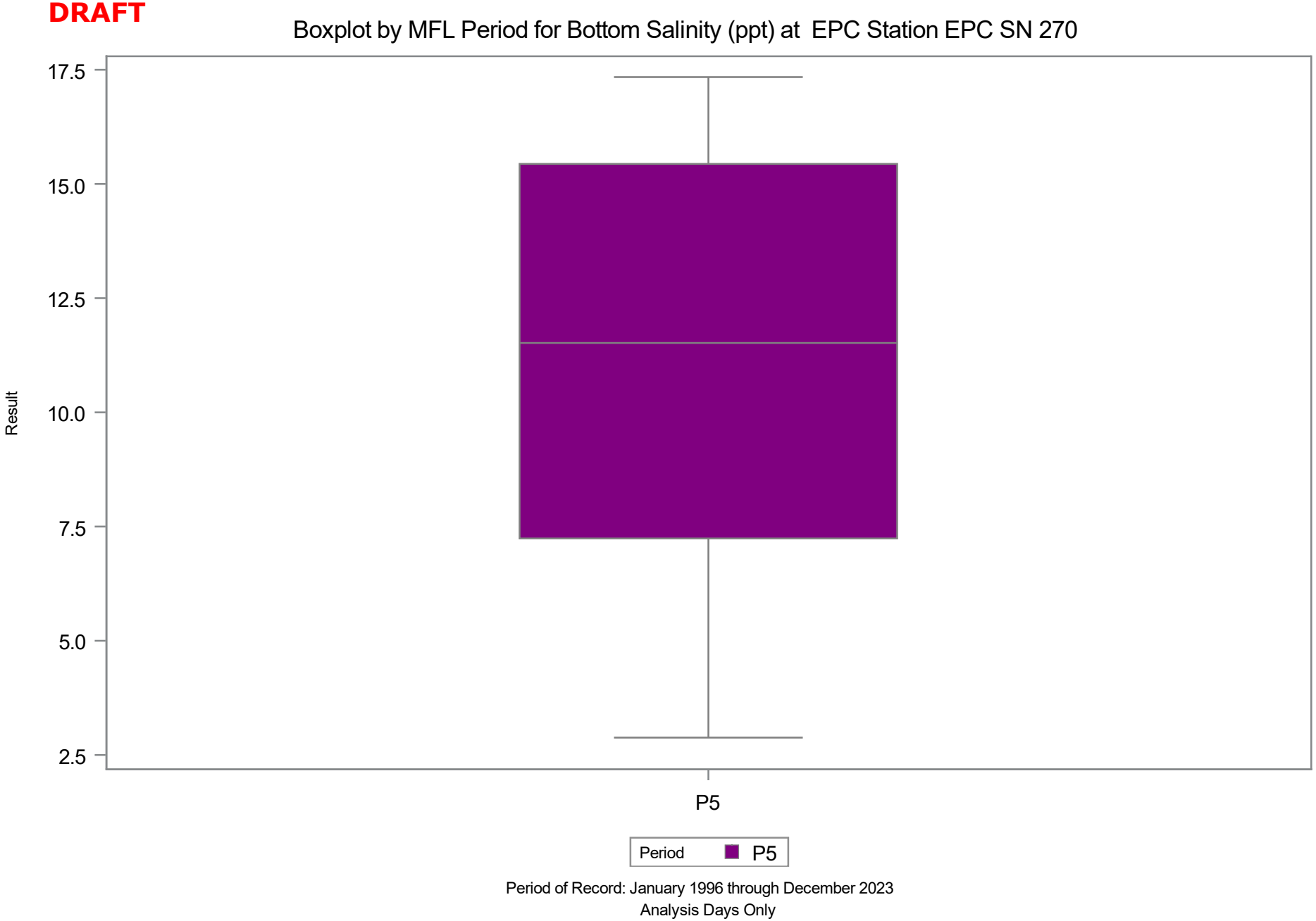
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Station EPC SN 270

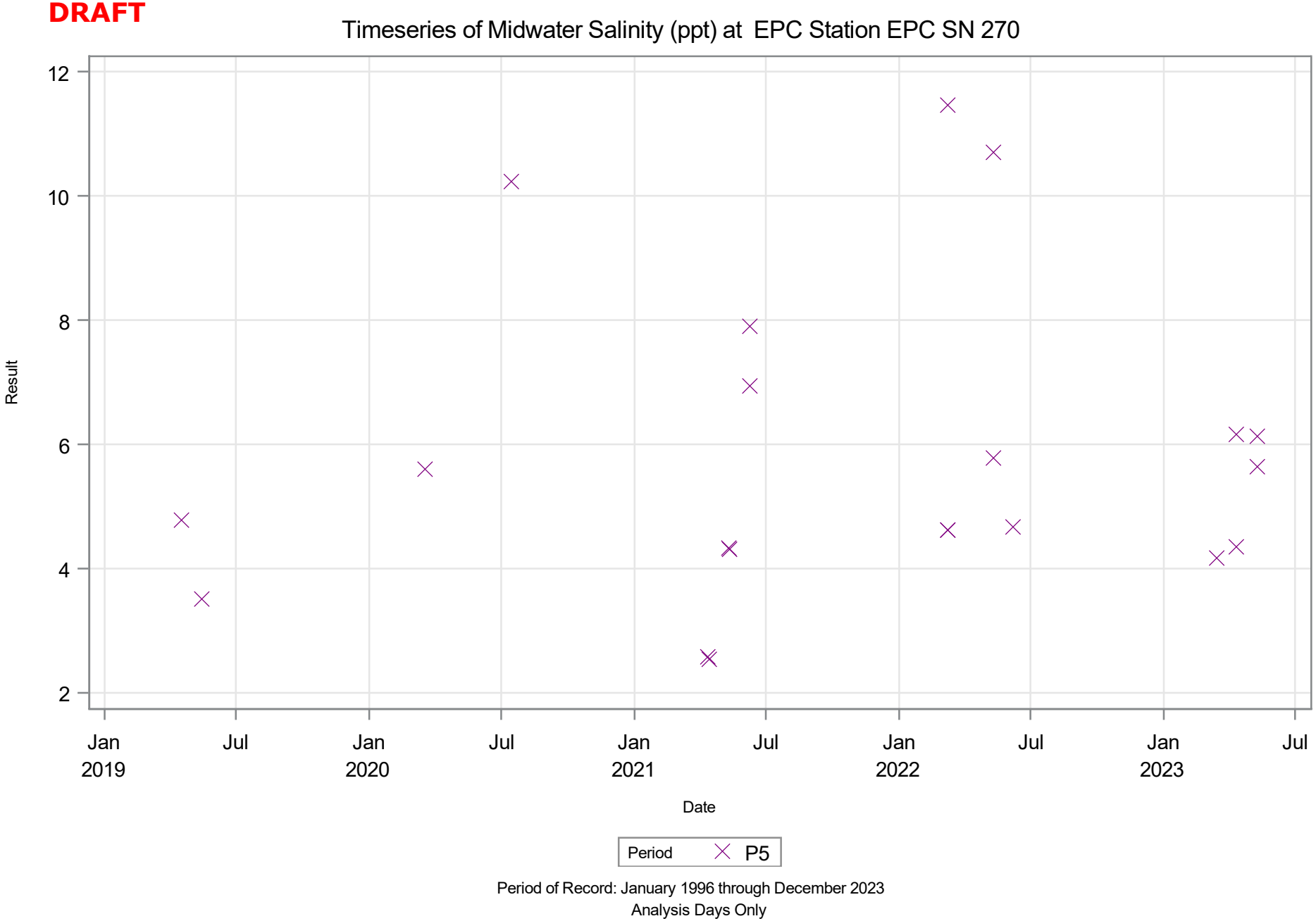
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	2.88	7.24	10.90	11.52	15.44	17.34

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

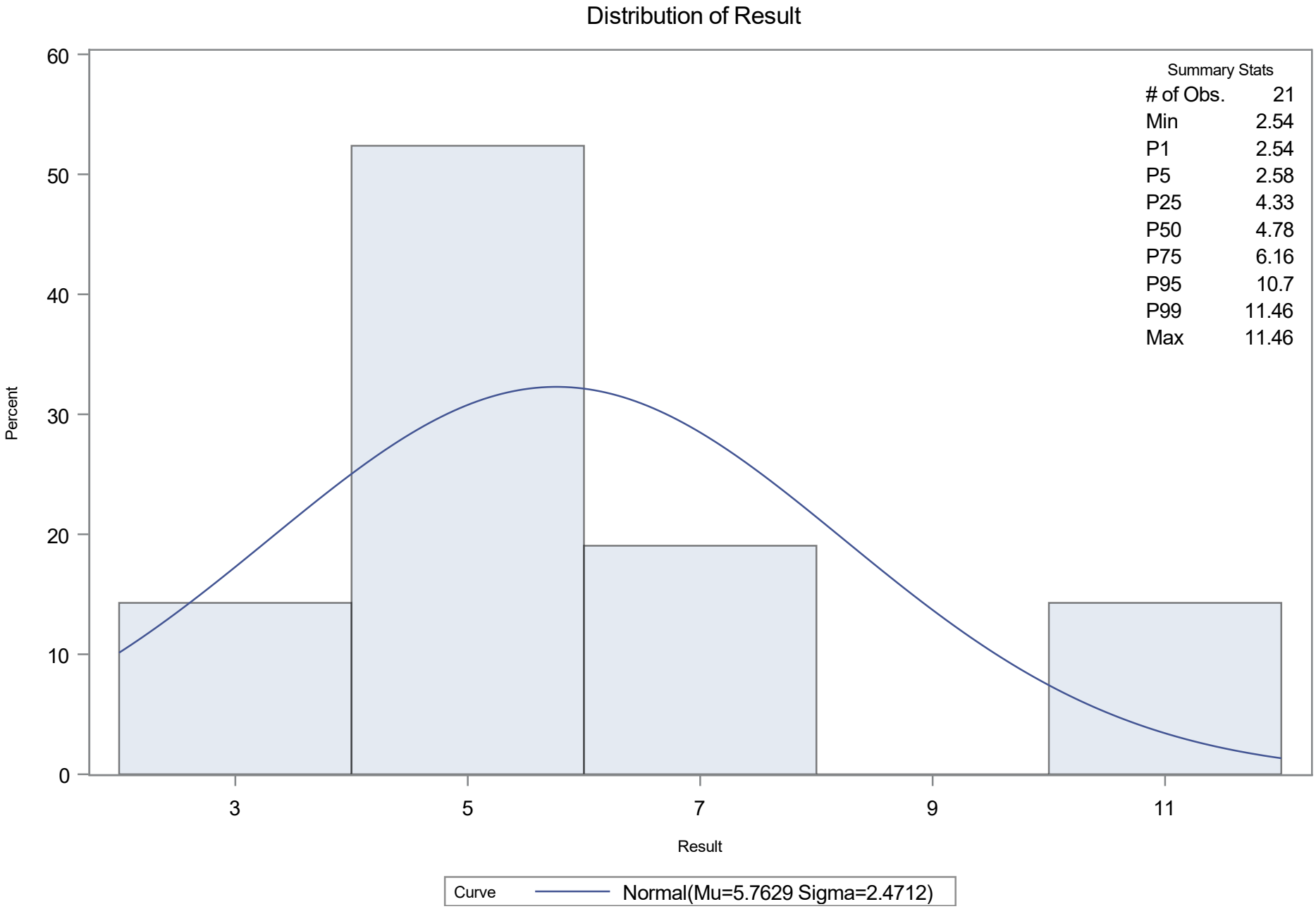

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Station EPC SN 270
Result
17.5
15.0
12.5
10.0
7.5
5.0
2.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at EPC Station EPC SN 270
Result
12
10
8
6
4
2
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.762857
Std Dev	Sigma	2.471217

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19806668	**Pr > D**	0.030
Cramer-von Mises	**W-Sq**	0.18150101	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.06613459	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.54000	0.01395
5.0	2.58000	1.69807
10.0	3.51000	2.59587
25.0	4.33000	4.09605
50.0	4.78000	5.76286
75.0	6.16000	7.42967
90.0	10.23000	8.92985
95.0	10.70000	9.82765
99.0	11.46000	11.51177

Period of Record: January 1996 through December 2023
Analysis Days Only

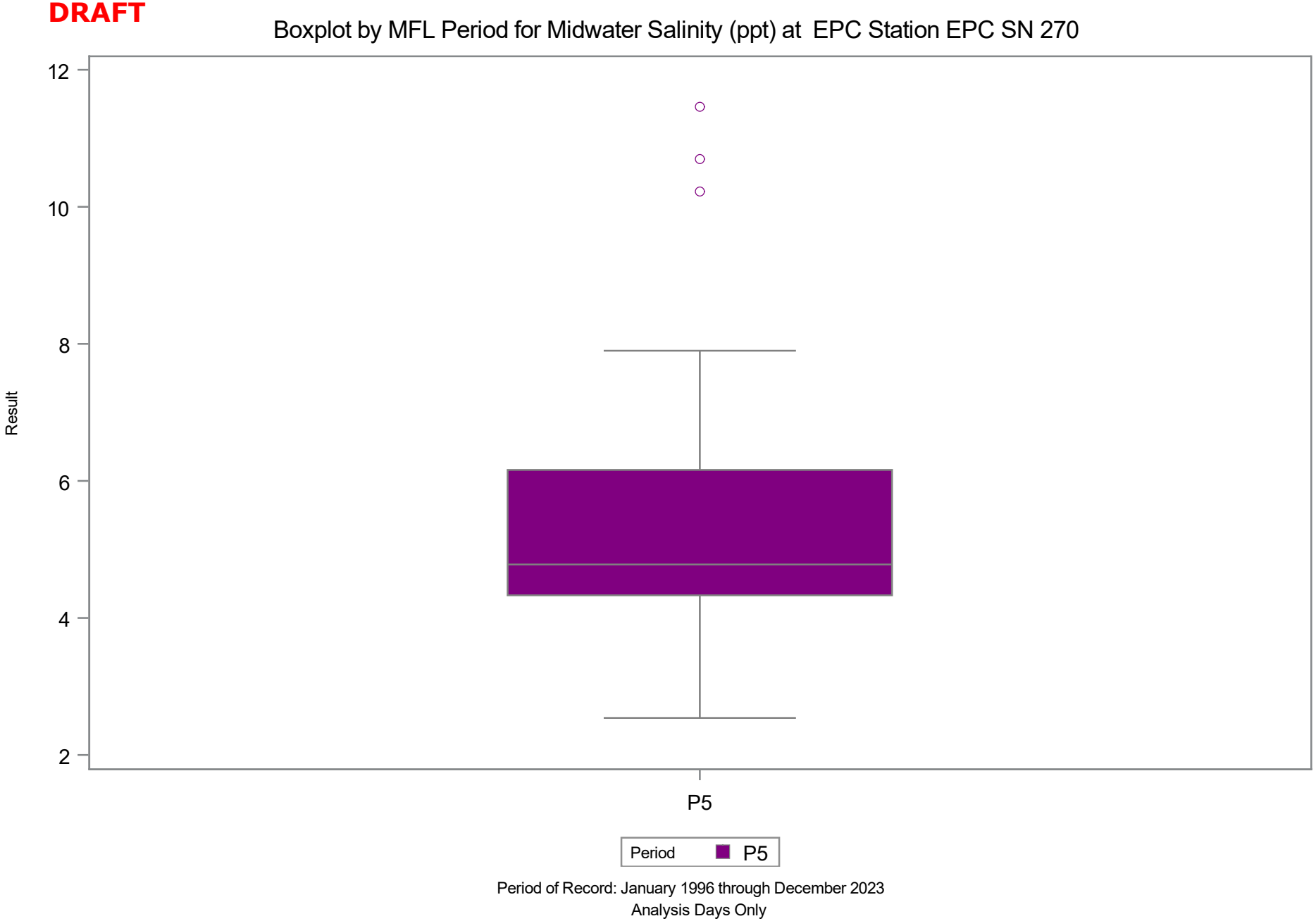
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at EPC Station EPC SN 270

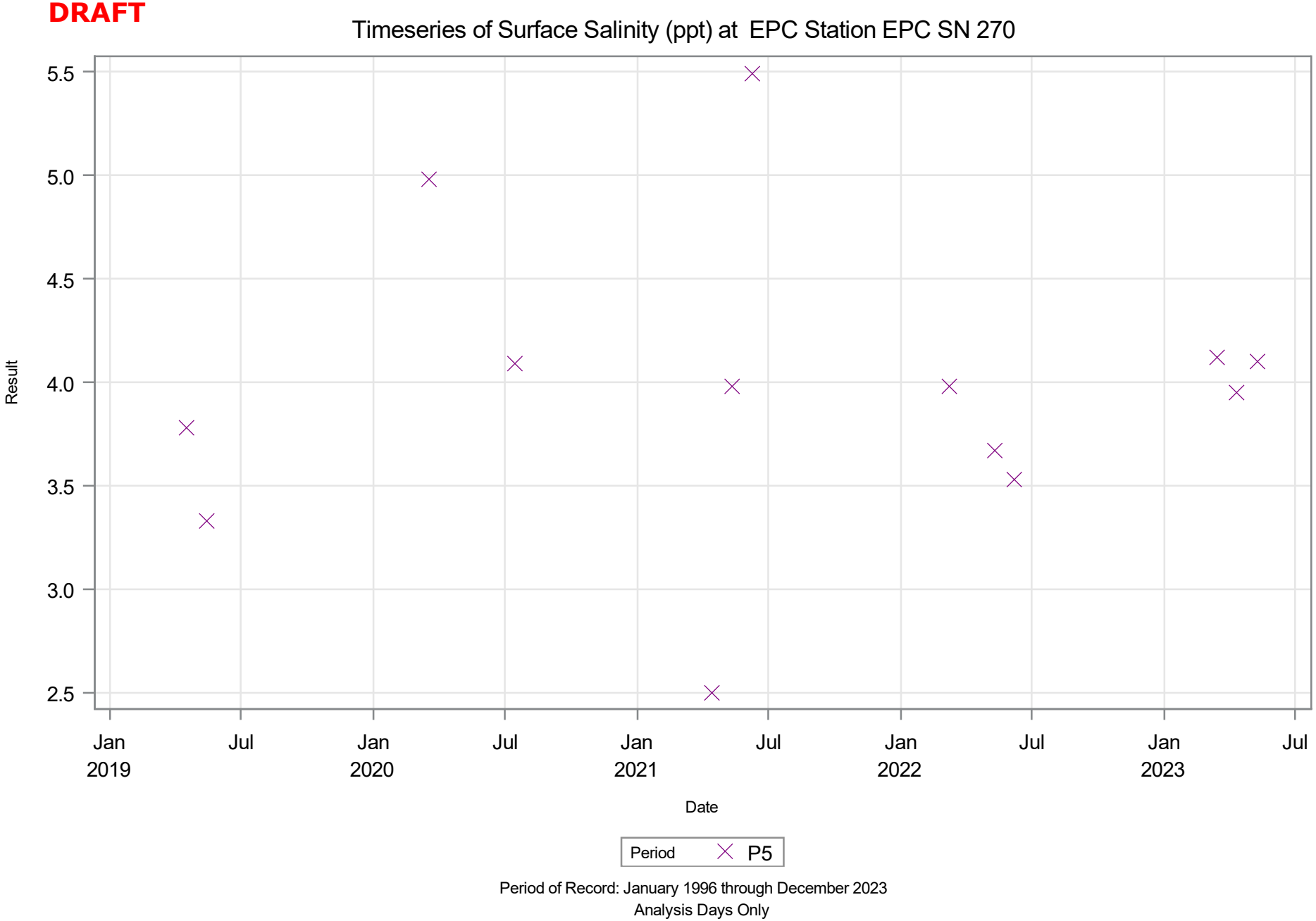
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	2.54	4.33	5.76	4.78	6.16	11.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

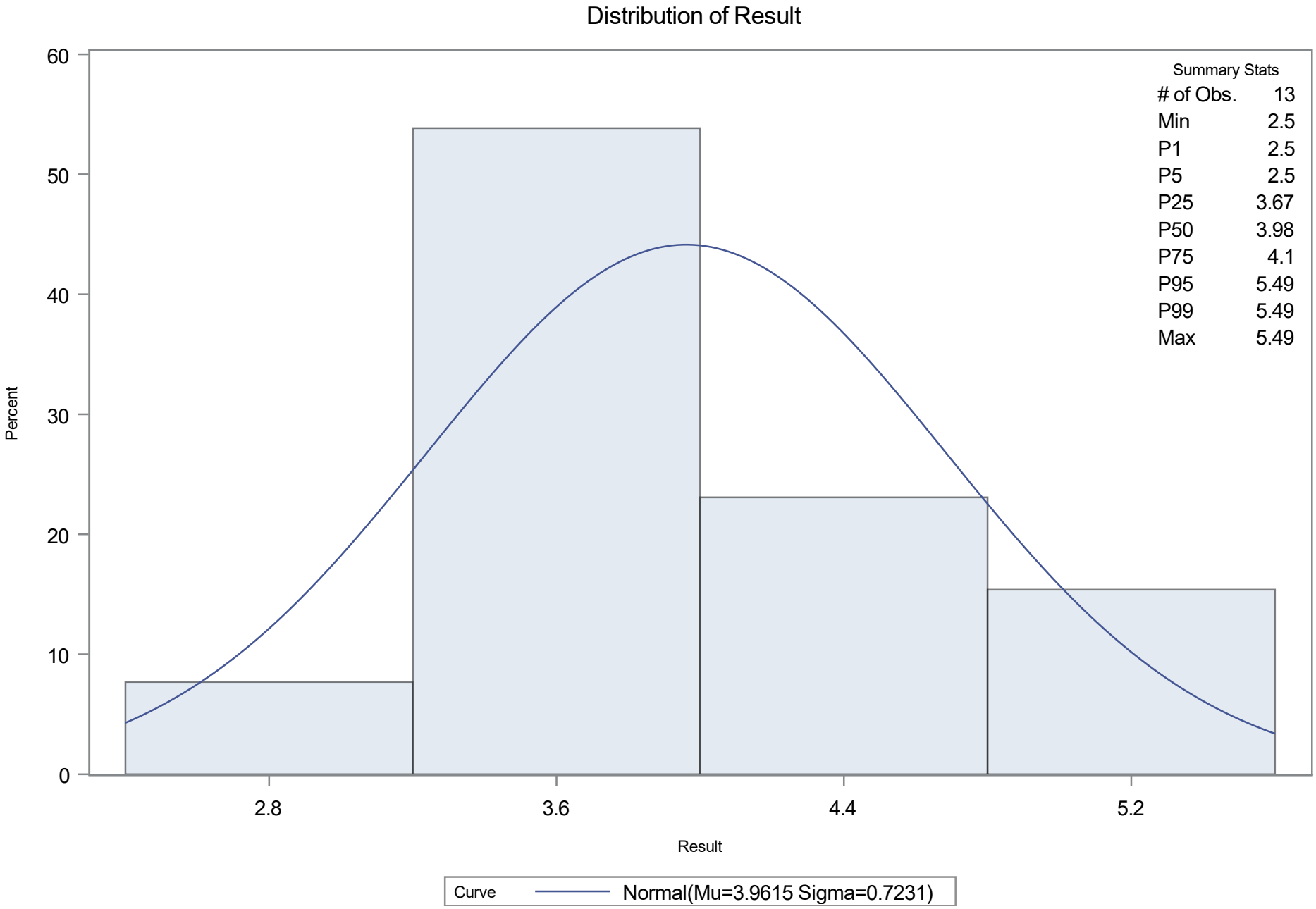

Boxplot by MFL Period for Midwater Salinity (ppt) at EPC Station EPC SN 270
12
10
8
6
4
2
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Station EPC SN 270
Result
5.5
5.0
4.5
4.0
3.5
3.0
2.5
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.961538
Std Dev	Sigma	0.723082

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25942145	**Pr > D**	0.018
Cramer-von Mises	**W-Sq**	0.11885159	**Pr > W-Sq**	0.056
Anderson-Darling	**A-Sq**	0.61846865	**Pr > A-Sq**	0.087

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.50000	2.27940
5.0	2.50000	2.77217
10.0	3.33000	3.03487
25.0	3.67000	3.47383
50.0	3.98000	3.96154
75.0	4.10000	4.44925
90.0	4.98000	4.88821
95.0	5.49000	5.15090
99.0	5.49000	5.64368

Period of Record: January 1996 through December 2023
Analysis Days Only

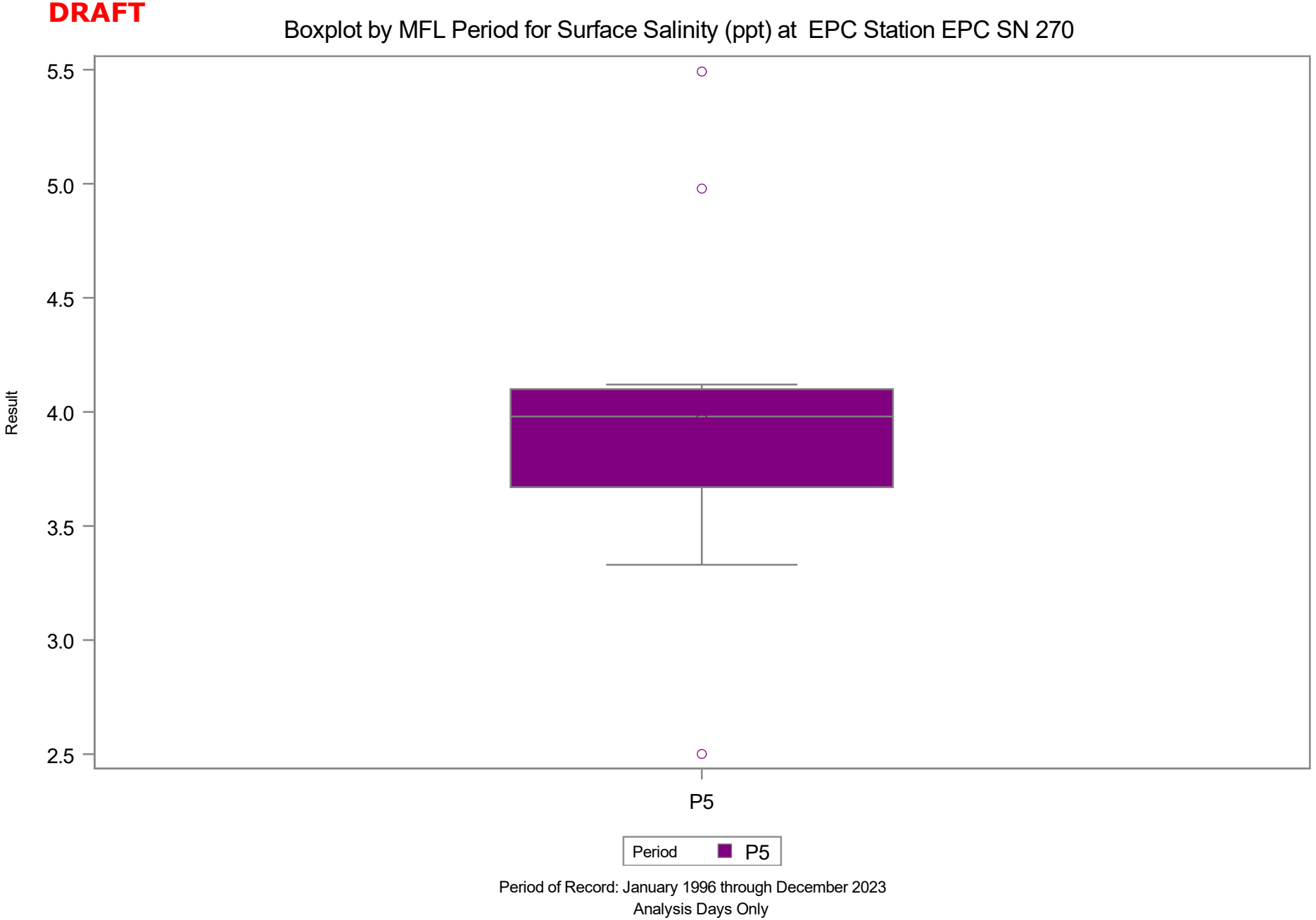
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Station EPC SN 270

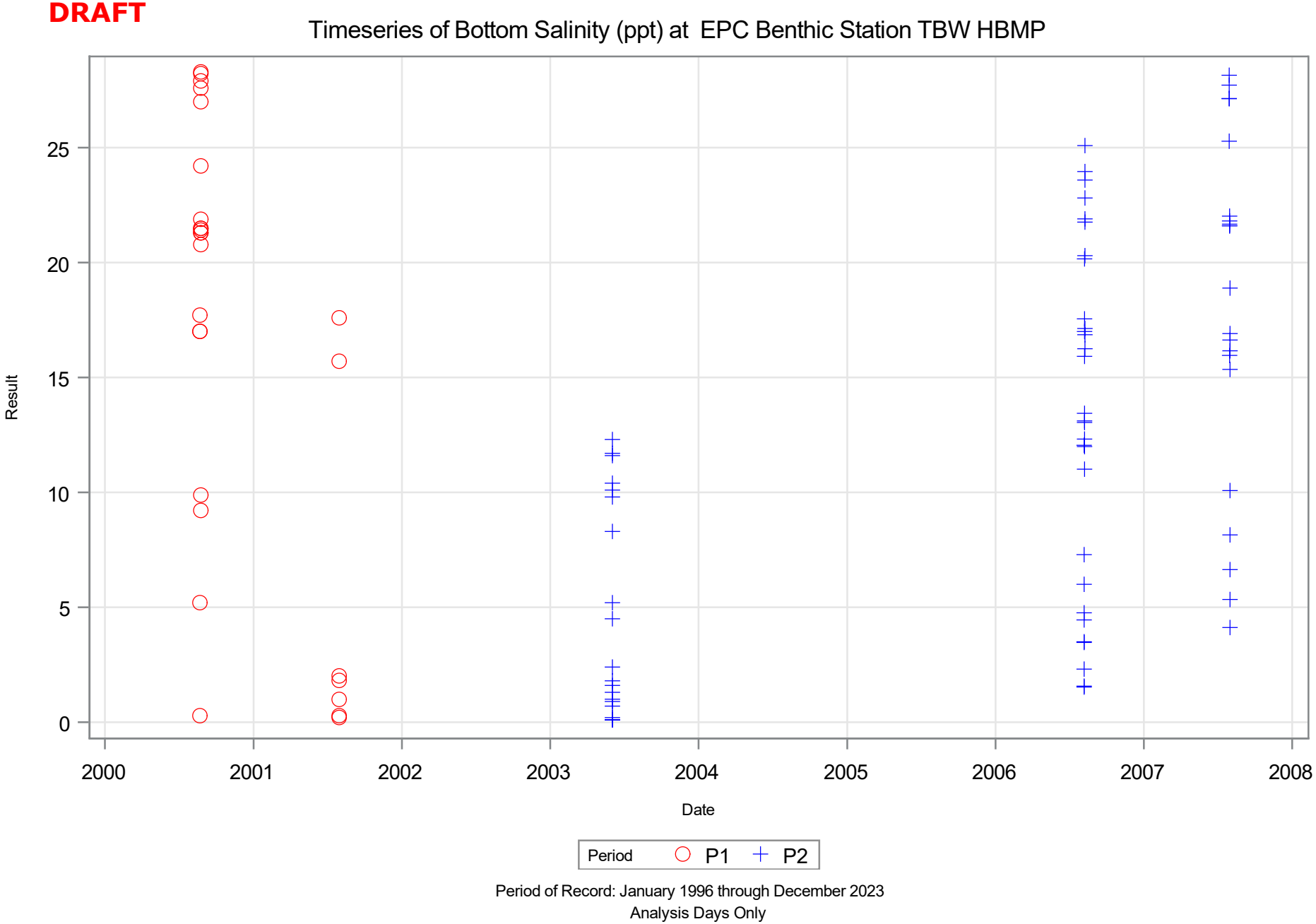
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	2.50	3.67	3.96	3.98	4.10	5.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at EPC Station EPC SN 270
Result
5.5
5.0
4.5
4.0
3.5
3.0
2.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

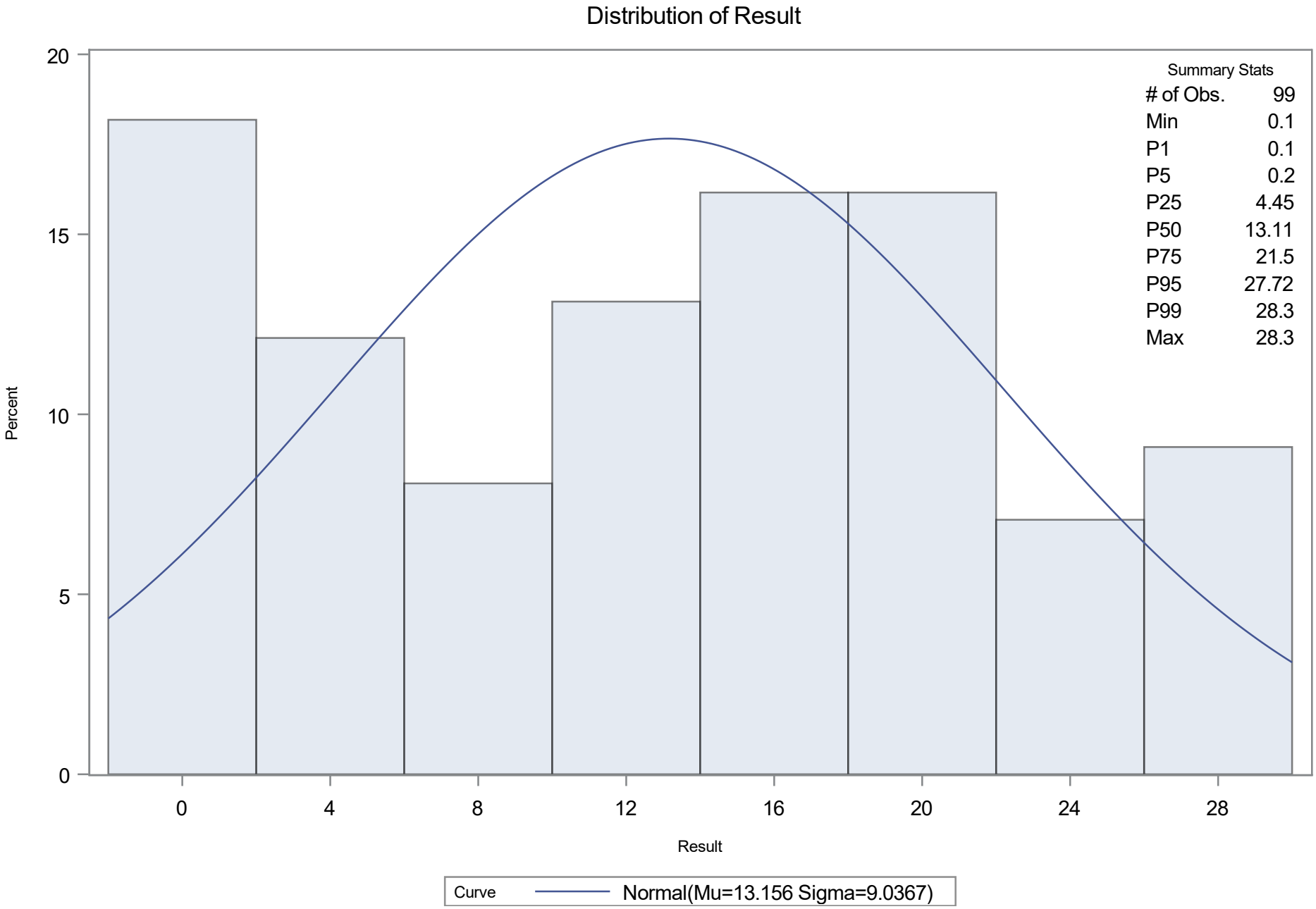
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.15626
Std Dev	Sigma	9.036668

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10949709	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27576363	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.97134572	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-7.86617
5.0	0.20000	-1.70773
10.0	0.90000	1.57531
25.0	4.45000	7.06112
50.0	13.11000	13.15626
75.0	21.50000	19.25140
90.0	25.28000	24.73722
95.0	27.72000	28.02026
99.0	28.30000	34.17870

Period of Record: January 1996 through December 2023
Analysis Days Only

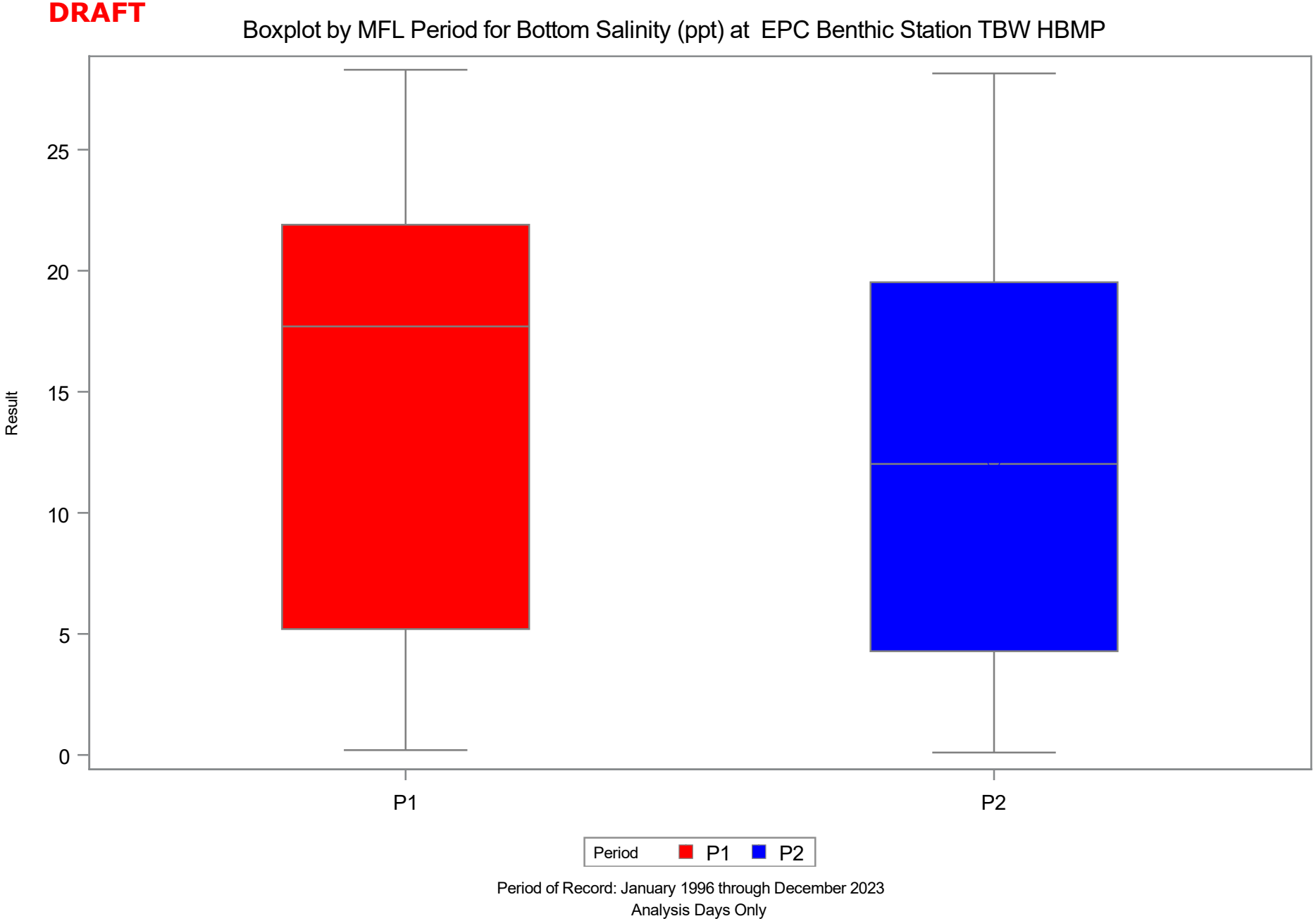
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at EPC Benthic Station TBW HBMP

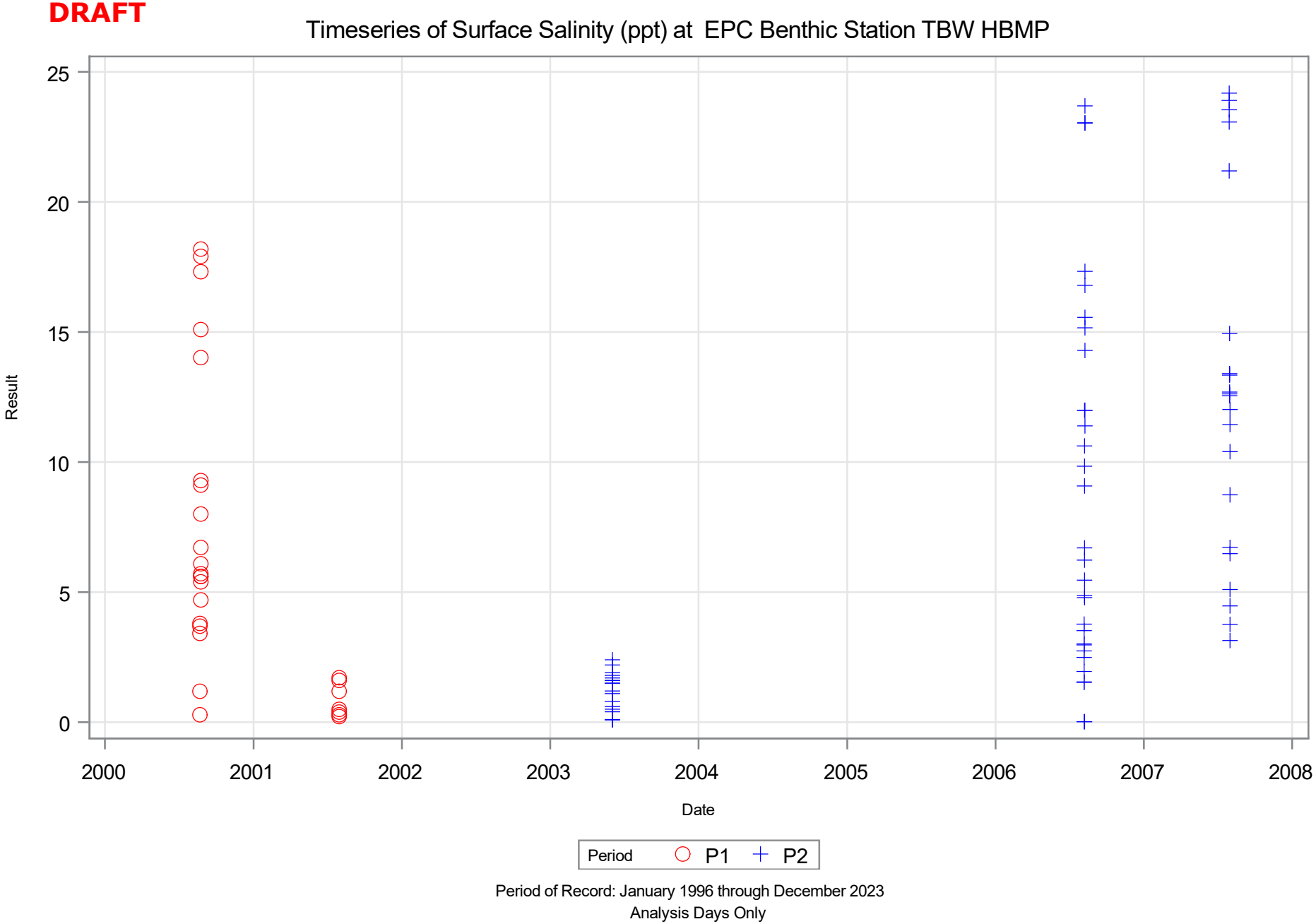
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	0.20	5.20	15.84	17.70	21.90	28.30
P2	72	0.10	4.29	12.15	12.02	19.53	28.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

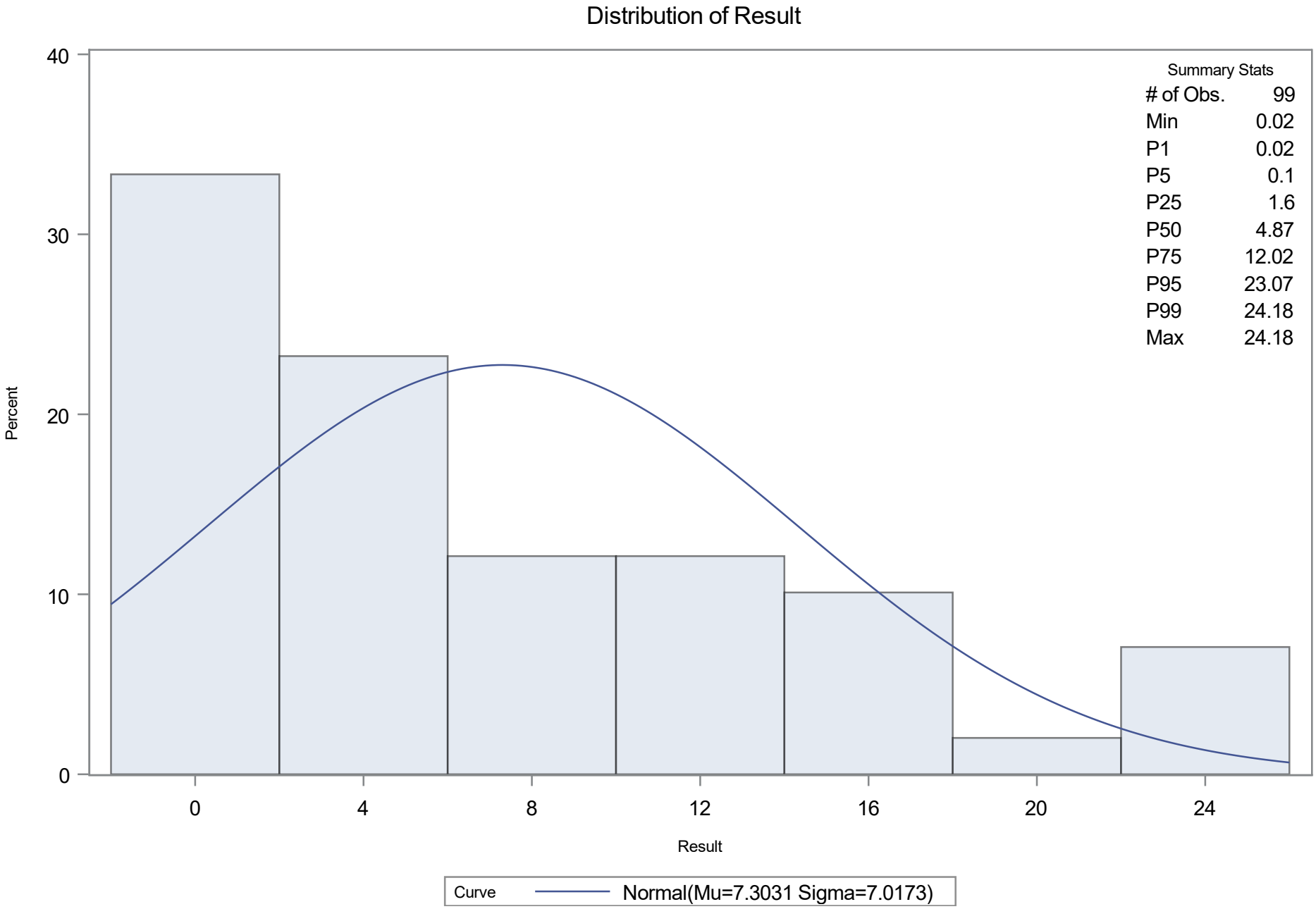

Boxplot by MFL Period for Bottom Salinity (ppt) at EPC Benthic Station TBW HBMP
Result
25
20
15
10
5
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at EPC Benthic Station TBW HBMP
Result
25
20
15
10
5
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.303131
Std Dev	Sigma	7.017258

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15937646	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.71910287	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.35121974	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.02000	-9.02145
5.0	0.10000	-4.23923
10.0	0.30000	-1.68985
25.0	1.60000	2.57006
50.0	4.87000	7.30313
75.0	12.02000	12.03620
90.0	17.90000	16.29611
95.0	23.07000	18.84549
99.0	24.18000	23.62771

Period of Record: January 1996 through December 2023
Analysis Days Only

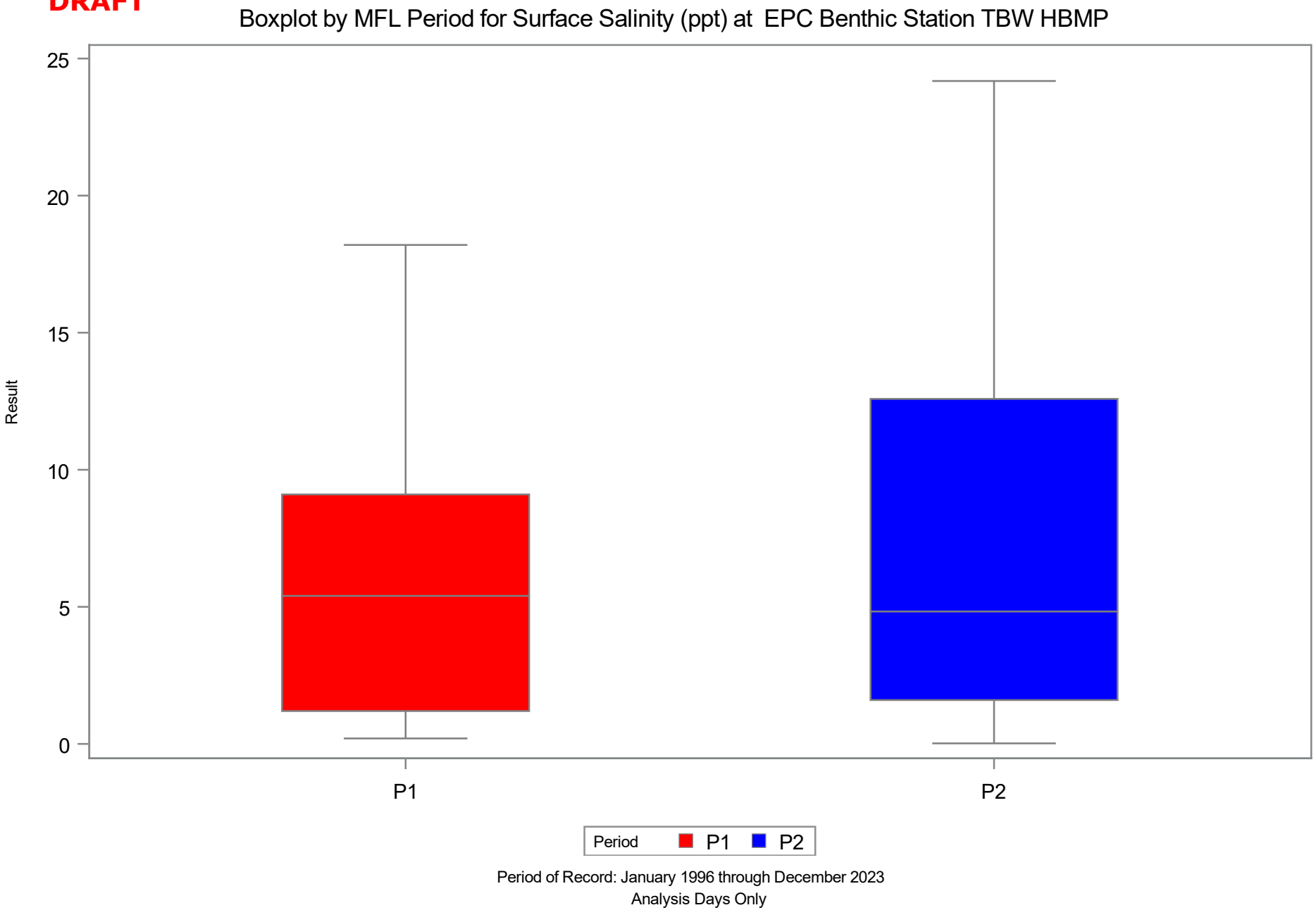
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at EPC Benthic Station TBW HBMP

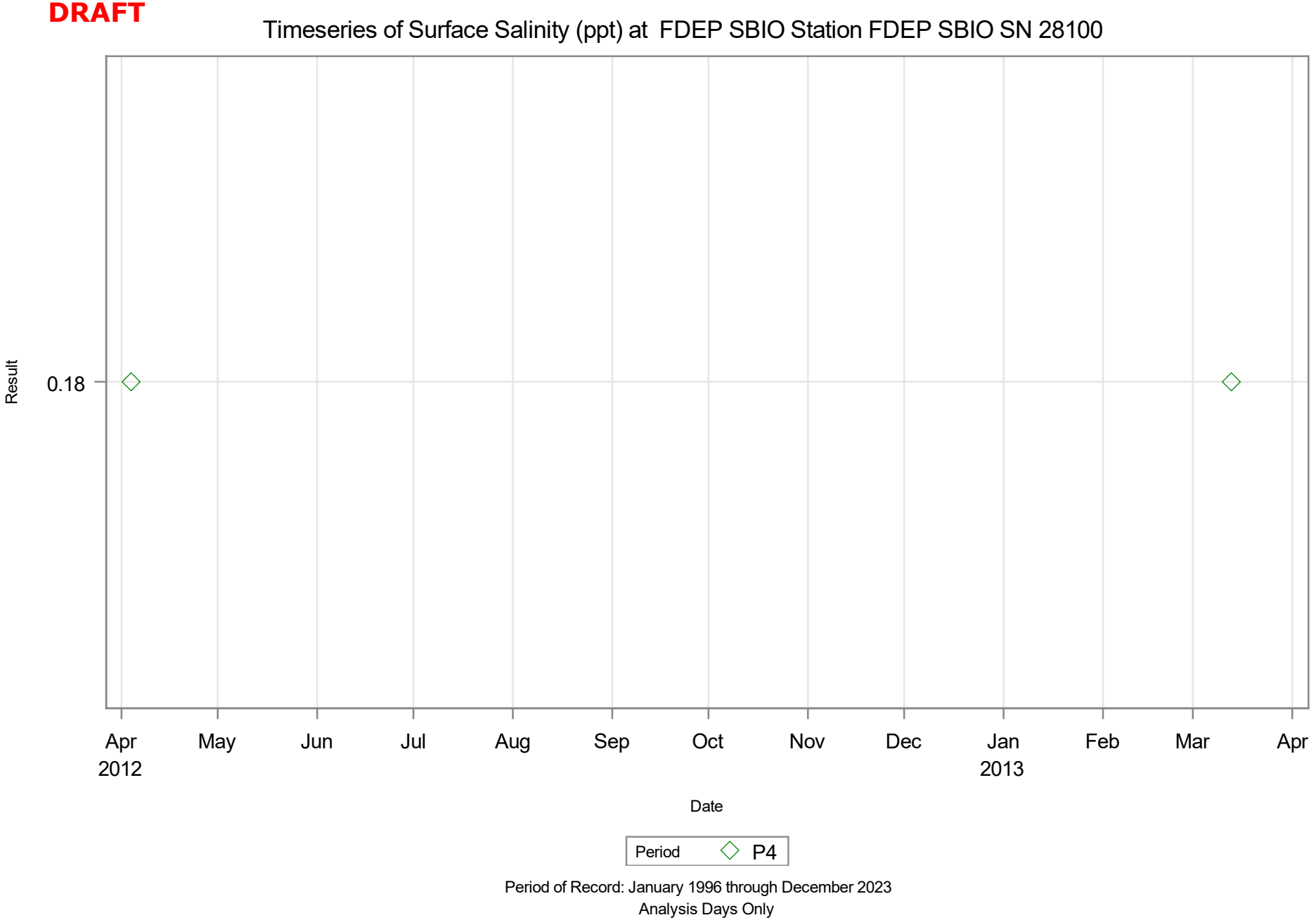
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	0.20	1.20	6.19	5.40	9.10	18.20
P2	72	0.02	1.60	7.72	4.83	12.59	24.18

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

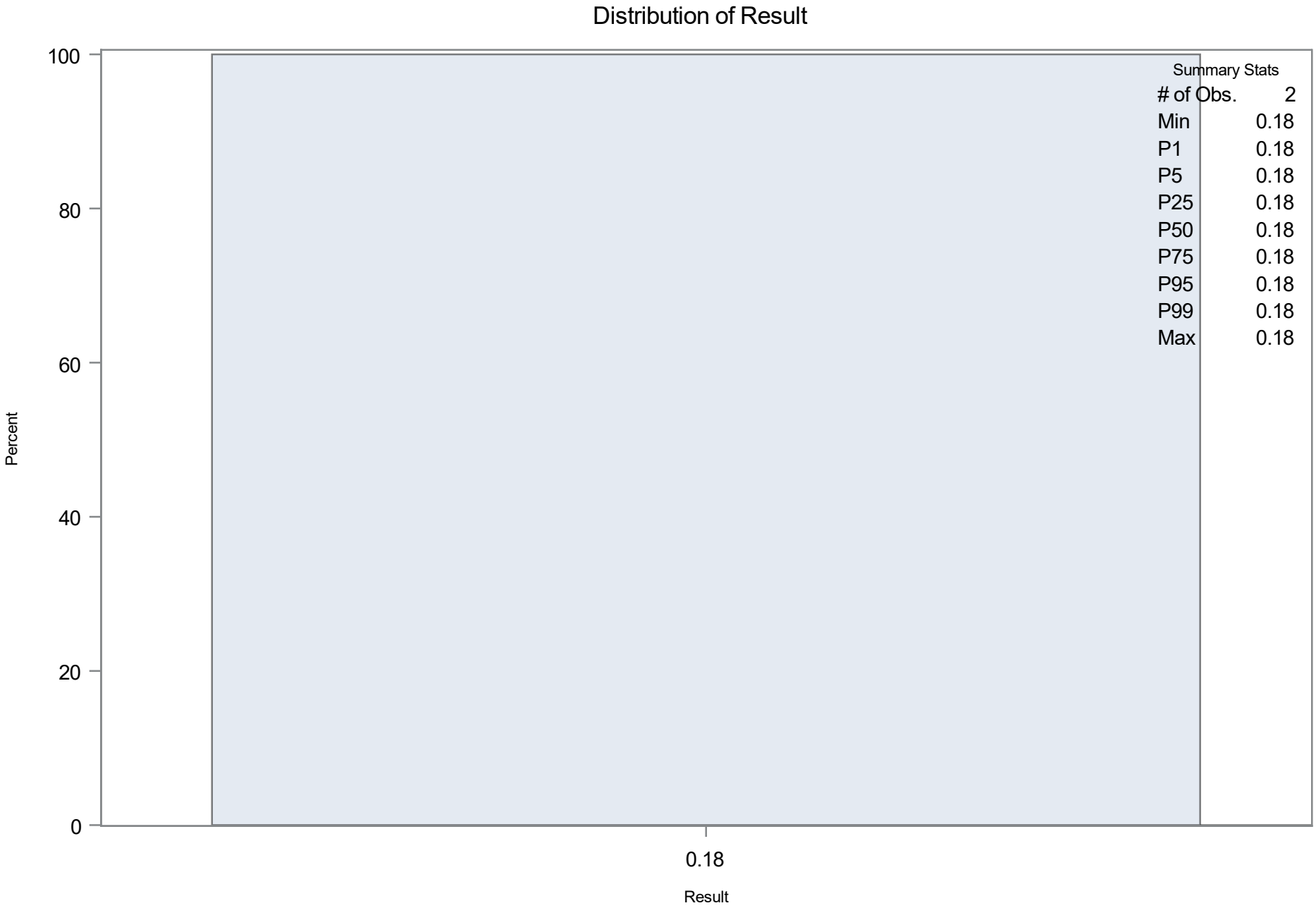

Boxplot by MFL Period for Surface Salinity (ppt) at EPC Benthic Station TBW HBMP
Result
25
20
15
10
5
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at FDEP SBIO Station FDEP SBIO SN 28100
Result
0.18
Apr
2012
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2013
Feb
Mar
Apr
Date
Period
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at FDEP SBIO Station FDEP SBIO SN 28100



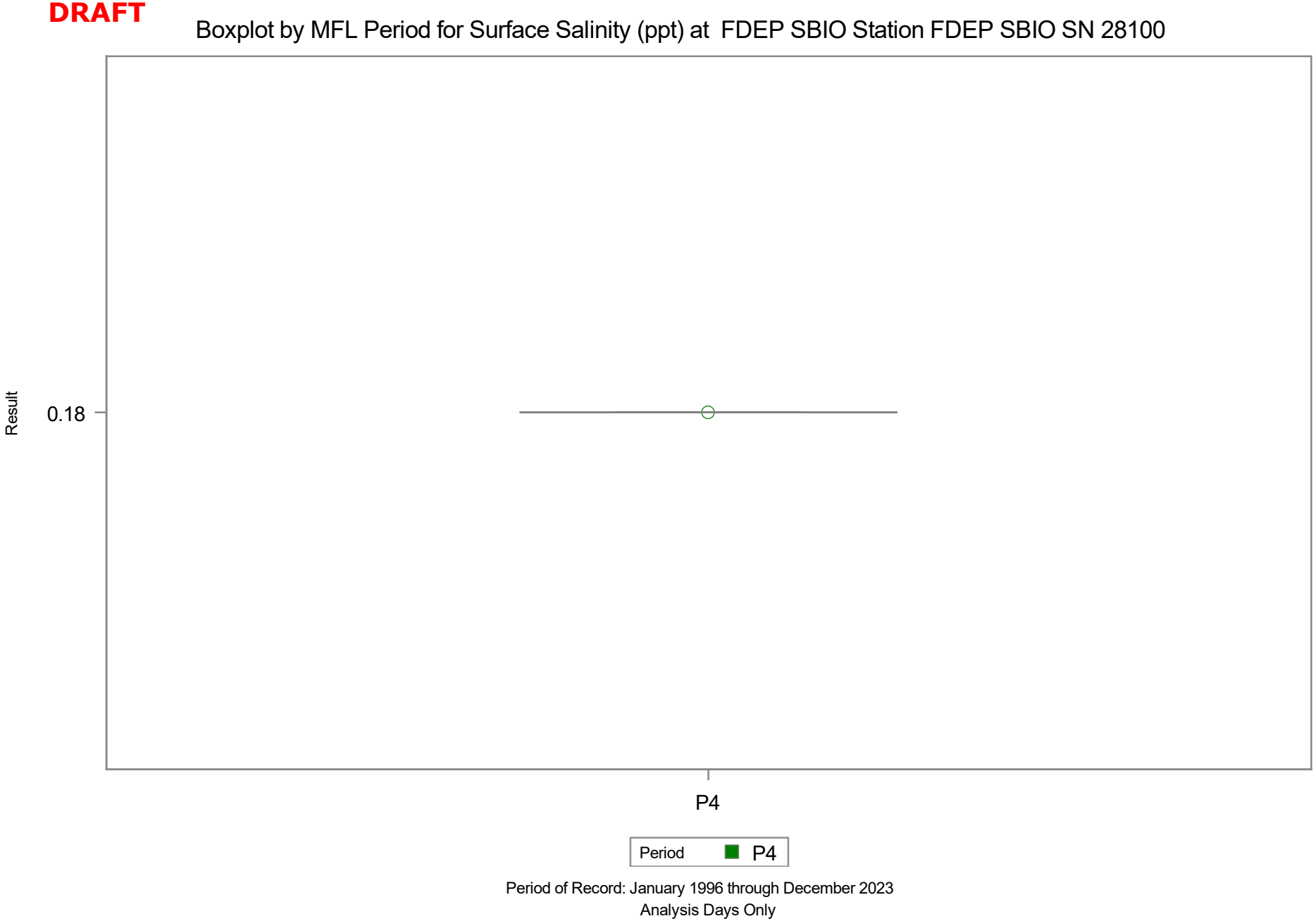
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Salinity (ppt) at FDEP SBIO Station FDEP SBIO SN 28100**

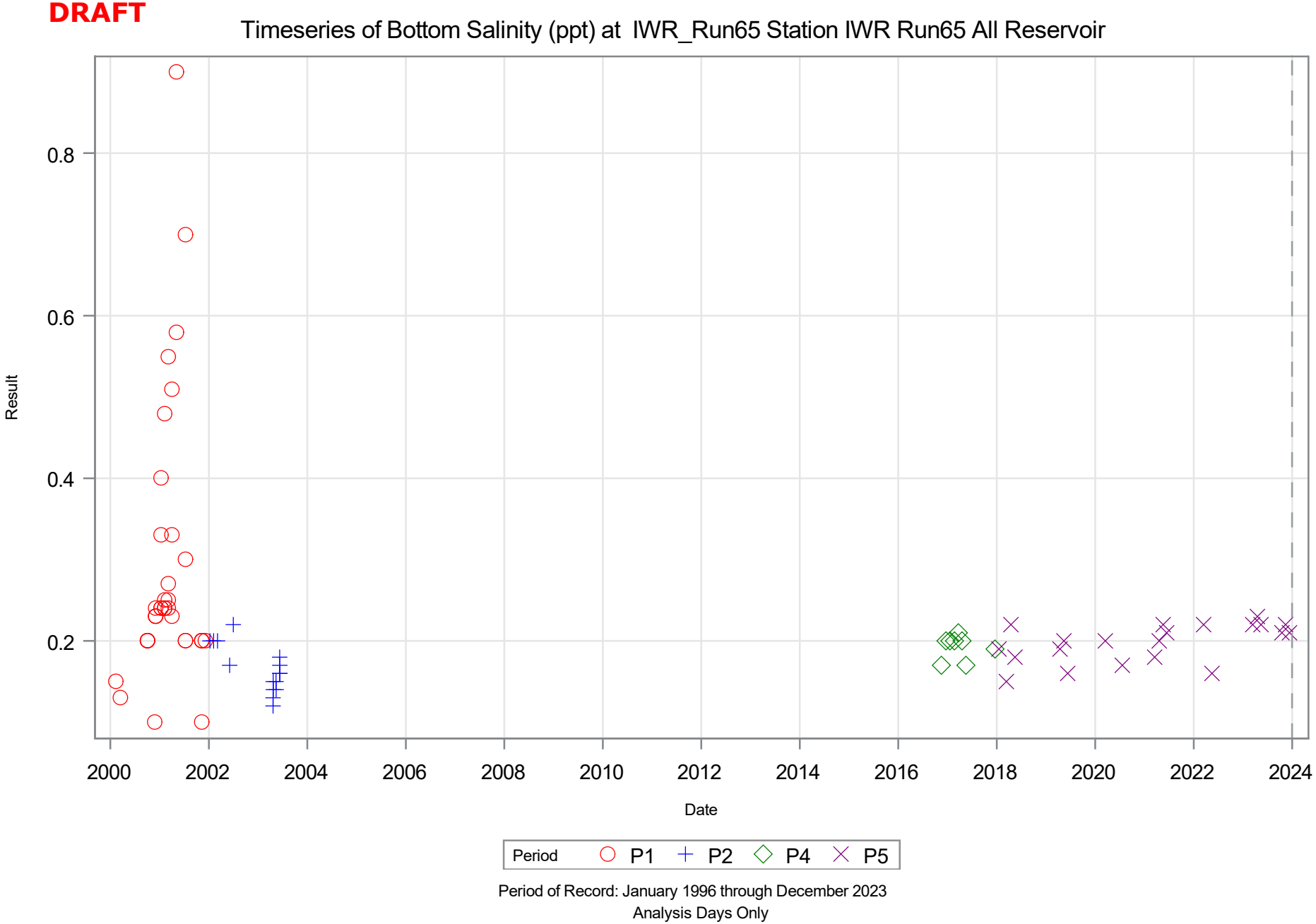
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	2	0.18	0.18	0.18	0.18	0.18	0.18

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

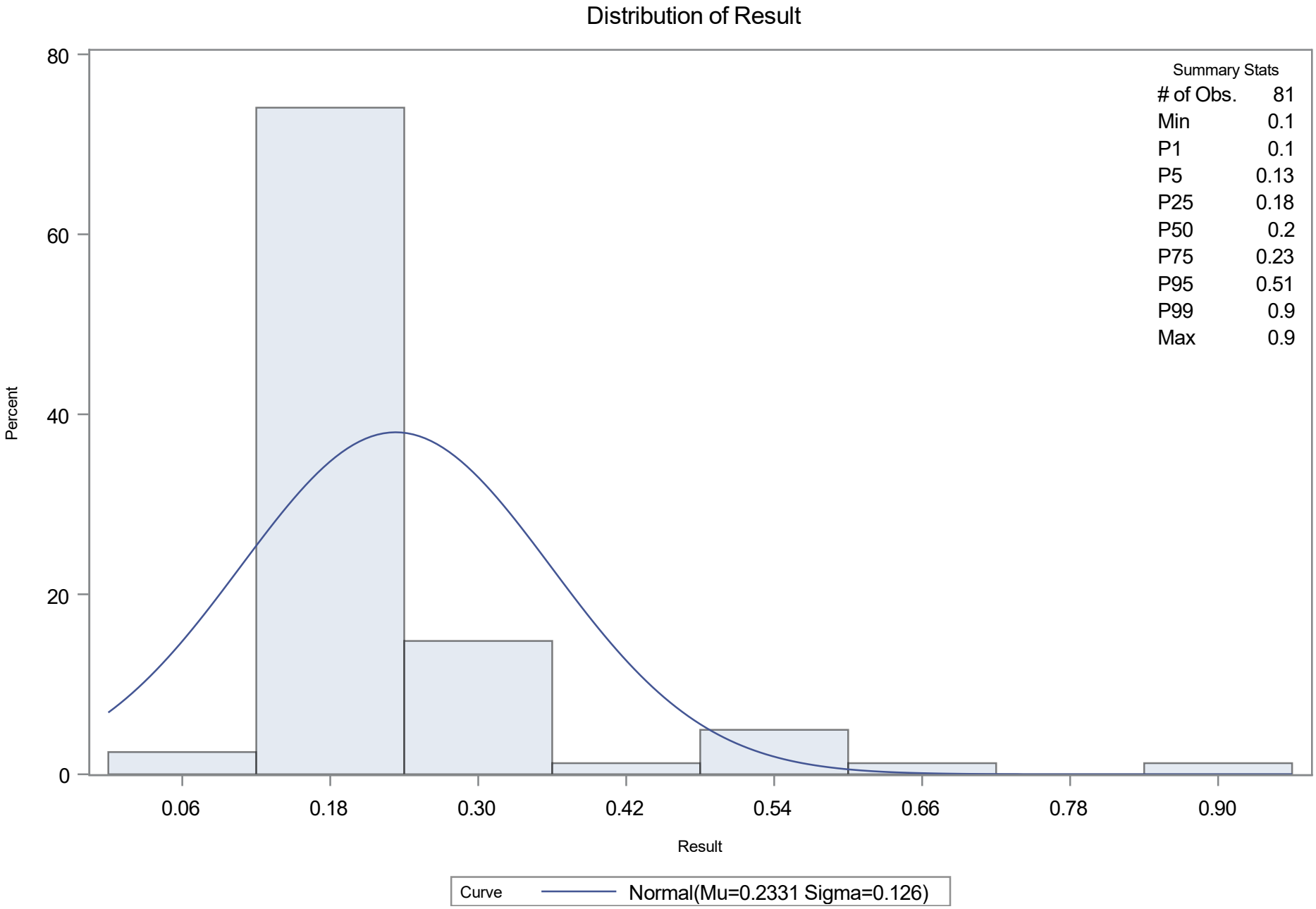

Boxplot by MFL Period for Surface Salinity (ppt) at FDEP SBIO Station FDEP SBIO SN 28100
Result
0.18
P4
Period
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.8
0.6
0.4
0.2
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.233086
Std Dev	Sigma	0.125973

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3176226	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.0065998	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.3122047	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-0.05997
5.0	0.13000	0.02588
10.0	0.15000	0.07165
25.0	0.18000	0.14812
50.0	0.20000	0.23309
75.0	0.23000	0.31805
90.0	0.33000	0.39453
95.0	0.51000	0.44029
99.0	0.90000	0.52614

Period of Record: January 1996 through December 2023
Analysis Days Only

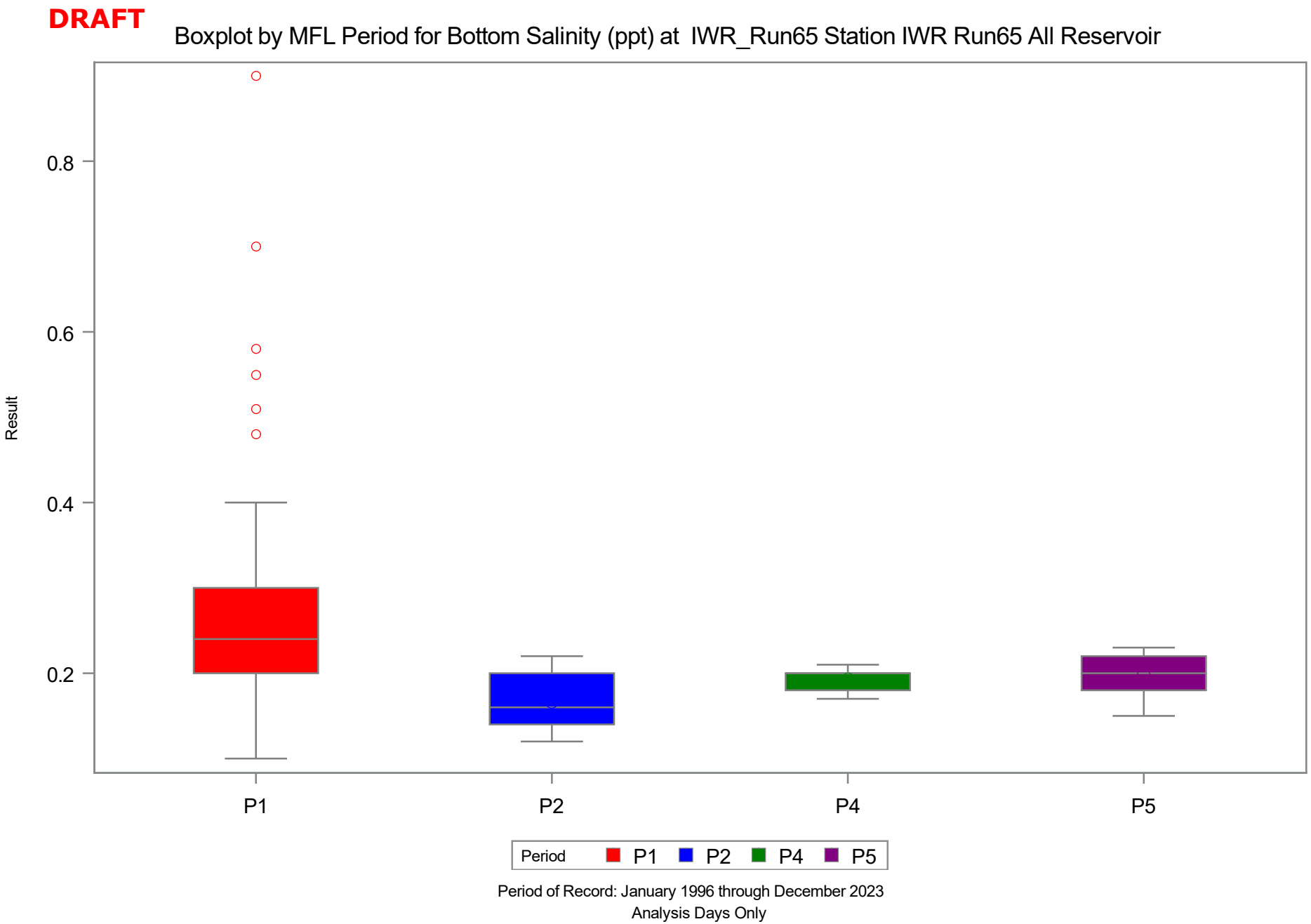
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir

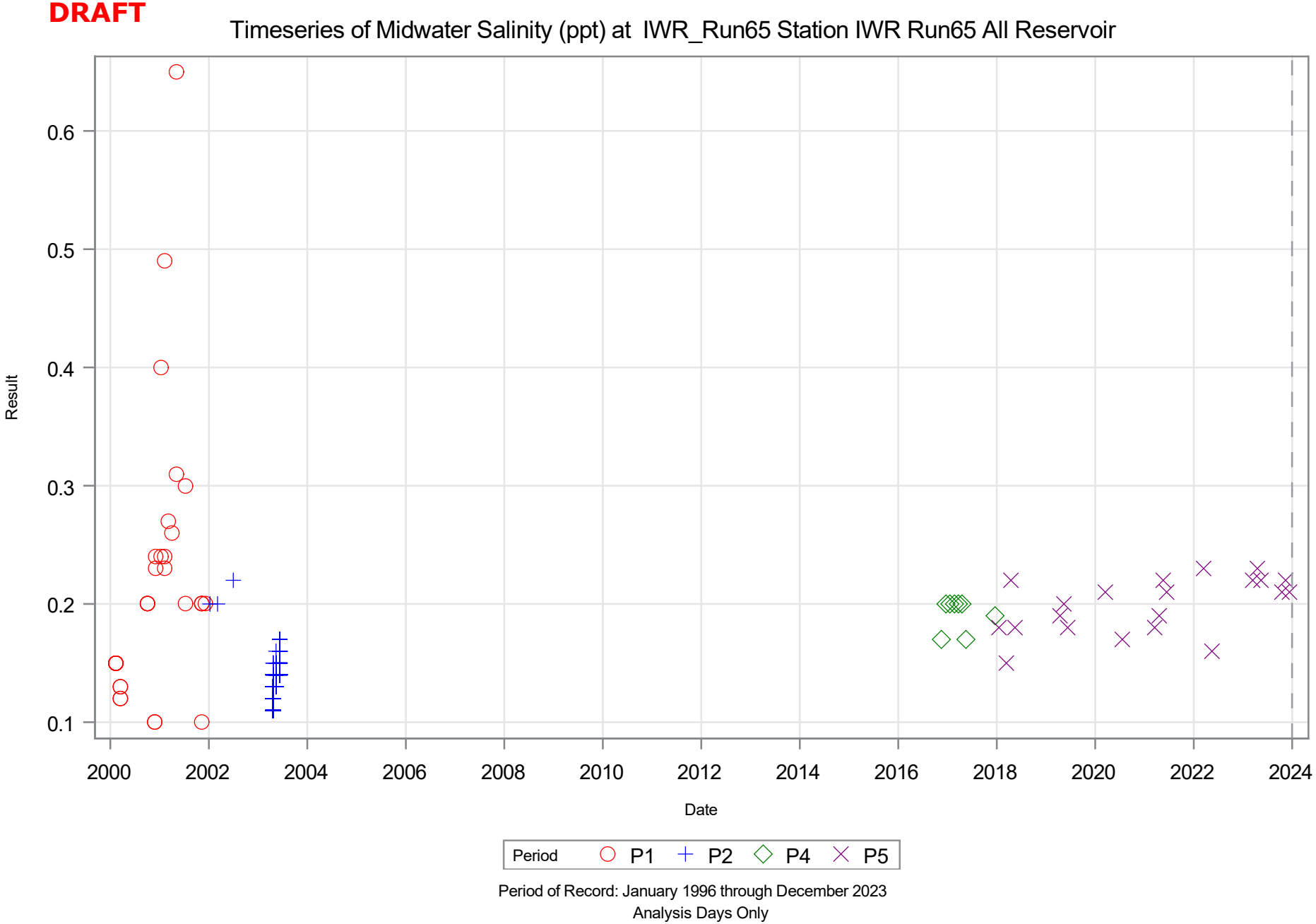
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	0.10	0.20	0.29	0.24	0.30	0.90
P2	15	0.12	0.14	0.17	0.16	0.20	0.22
P4	8	0.17	0.18	0.19	0.20	0.20	0.21
P5	21	0.15	0.18	0.20	0.20	0.22	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

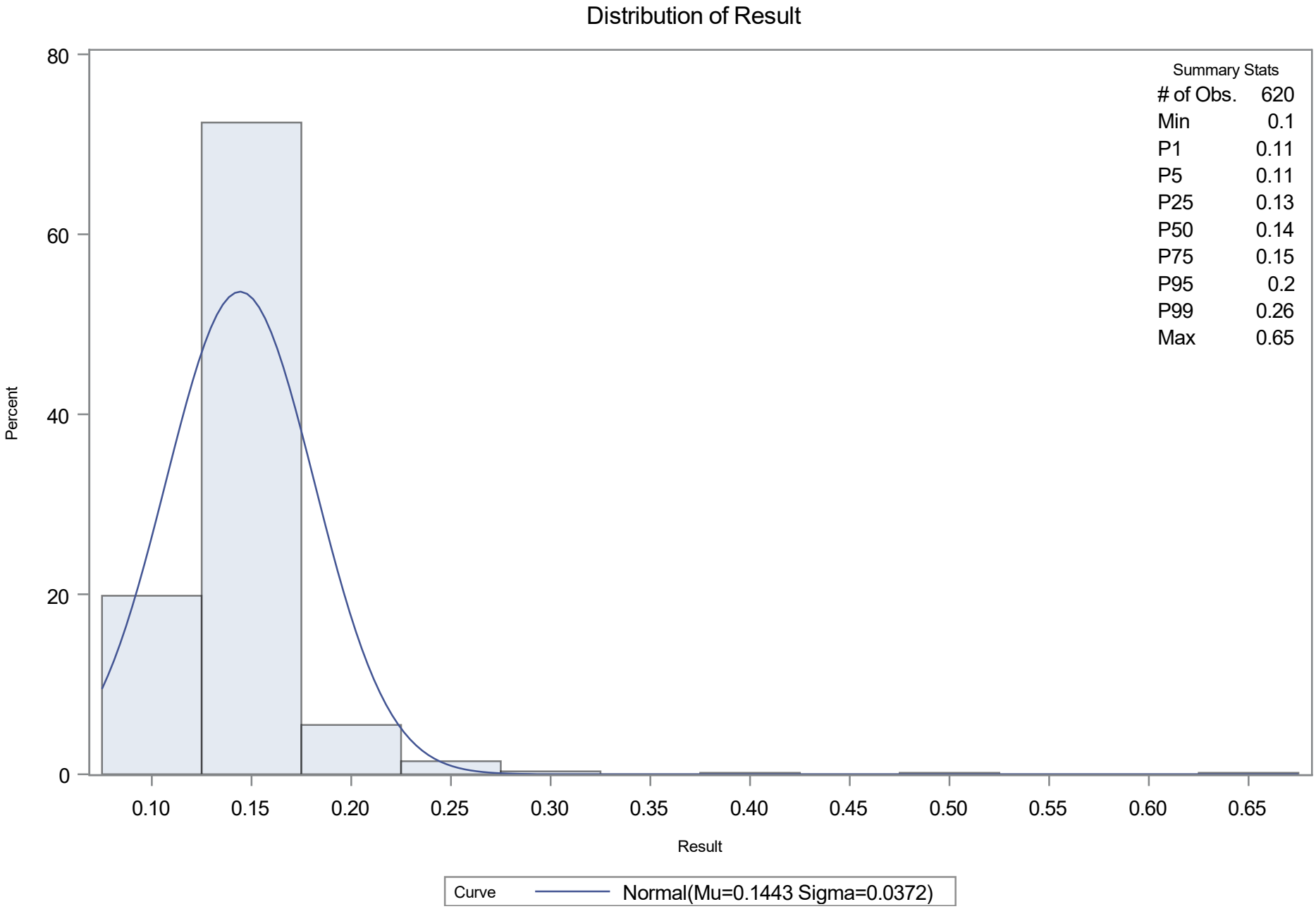
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.8
0.6
0.4
0.2
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.6
0.5
0.4
0.3
0.2
0.1
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.144258
Std Dev	Sigma	0.037199

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2596320	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	11.3614399	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	58.6625035	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	0.05772
5.0	0.11000	0.08307
10.0	0.11000	0.09659
25.0	0.13000	0.11917
50.0	0.14000	0.14426
75.0	0.15000	0.16935
90.0	0.17000	0.19193
95.0	0.20000	0.20545
99.0	0.26000	0.23080

Period of Record: January 1996 through December 2023
Analysis Days Only

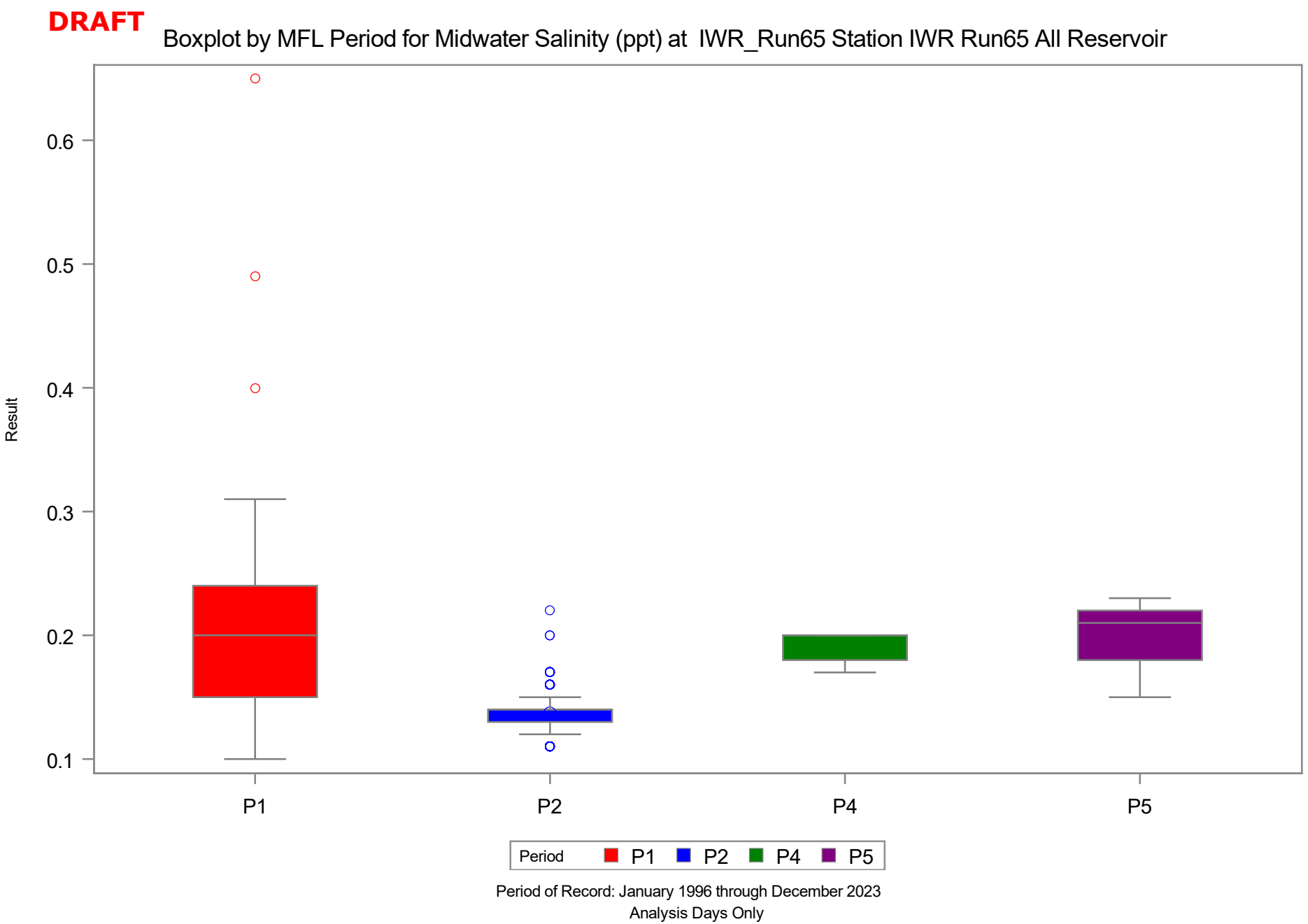
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir

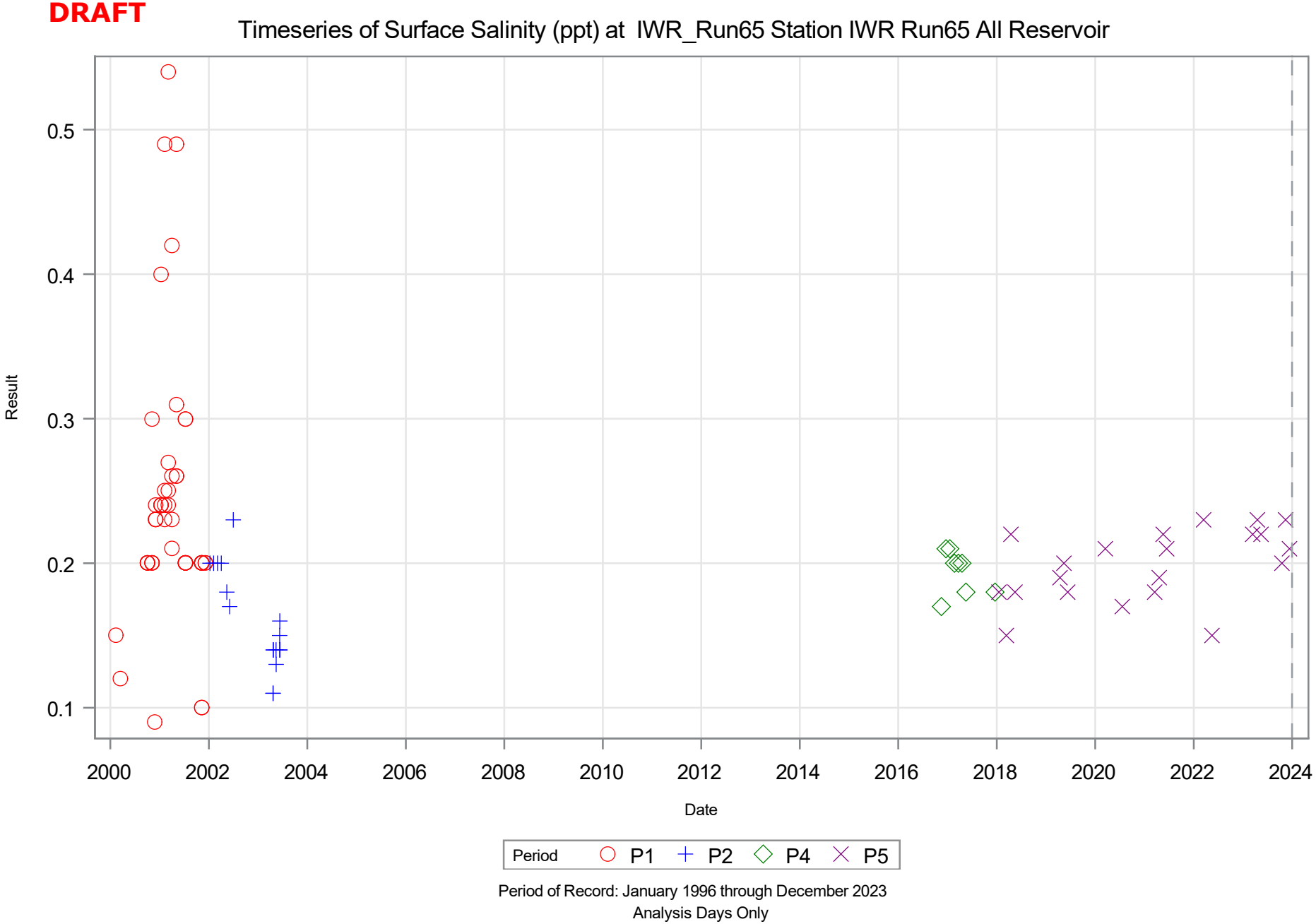
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	35	0.10	0.15	0.21	0.20	0.24	0.65
P2	556	0.11	0.13	0.14	0.14	0.14	0.22
P4	8	0.17	0.18	0.19	0.20	0.20	0.20
P5	21	0.15	0.18	0.20	0.21	0.22	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

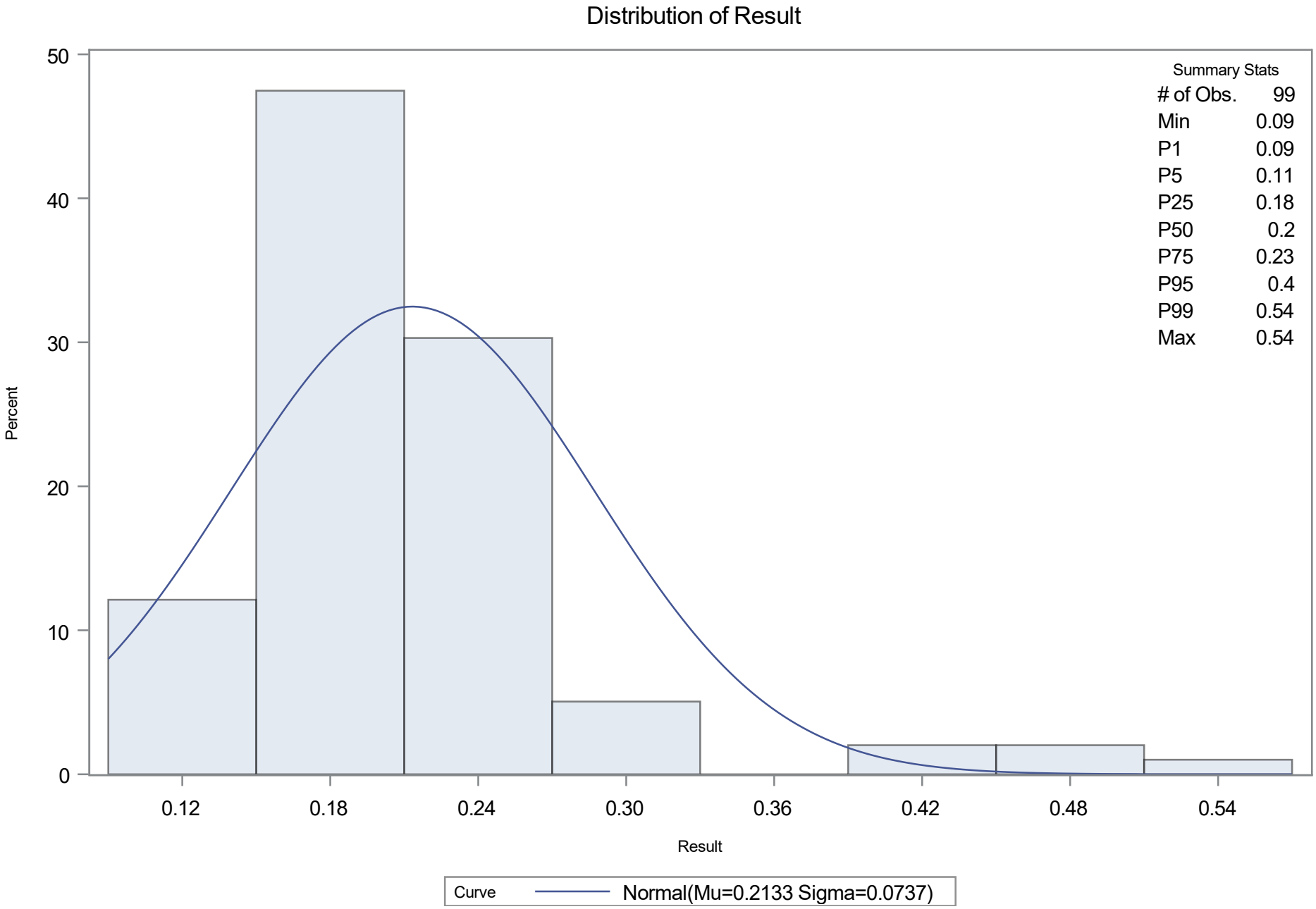

Boxplot by MFL Period for Midwater Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.6
0.5
0.4
0.3
0.2
0.1
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.5
0.4
0.3
0.2
0.1
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.213333
Std Dev	Sigma	0.073693

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20721201	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.15182493	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.31186094	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09000	0.04190
5.0	0.11000	0.09212
10.0	0.14000	0.11889
25.0	0.18000	0.16363
50.0	0.20000	0.21333
75.0	0.23000	0.26304
90.0	0.27000	0.30777
95.0	0.40000	0.33455
99.0	0.54000	0.38477

Period of Record: January 1996 through December 2023
Analysis Days Only

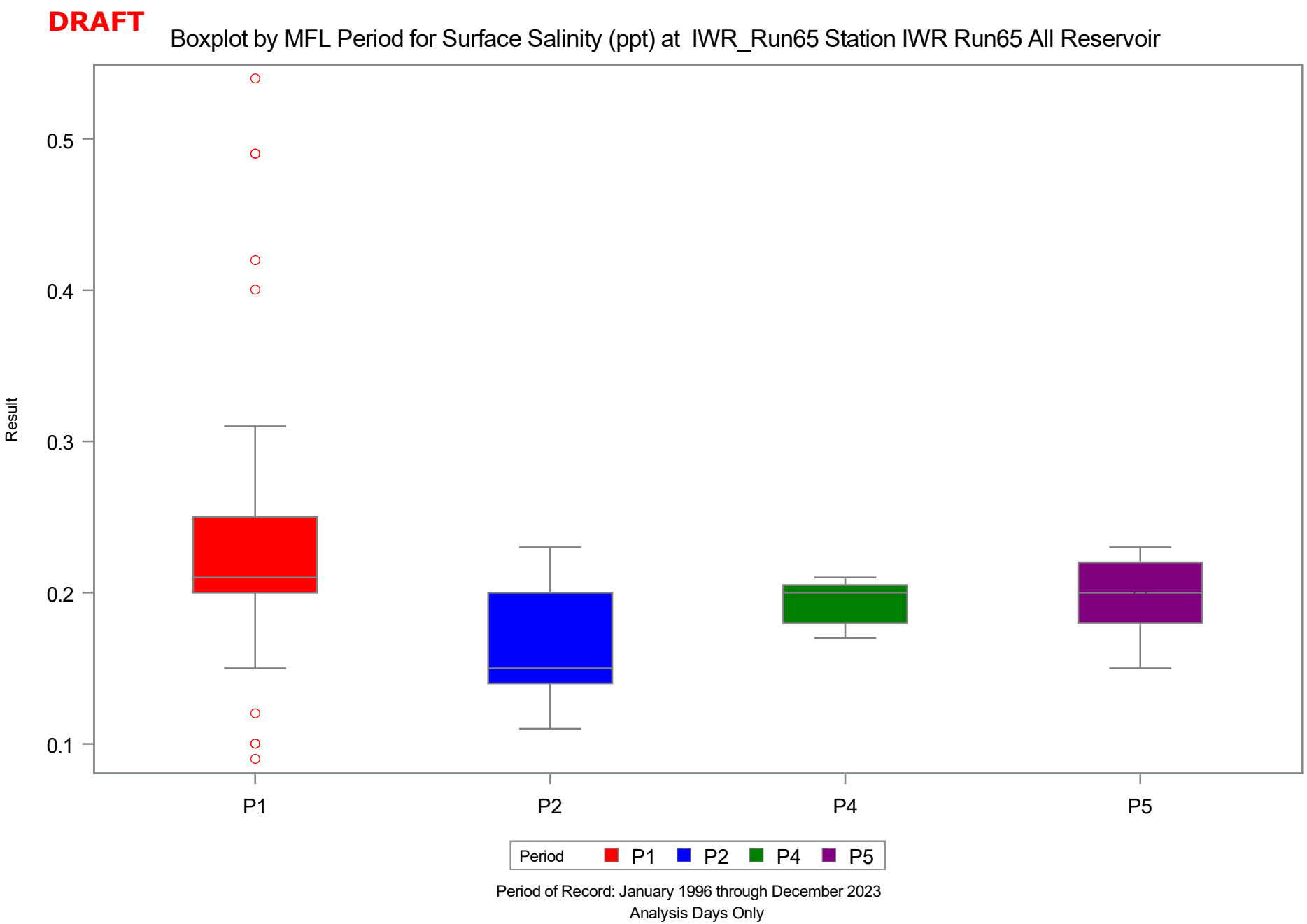
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir

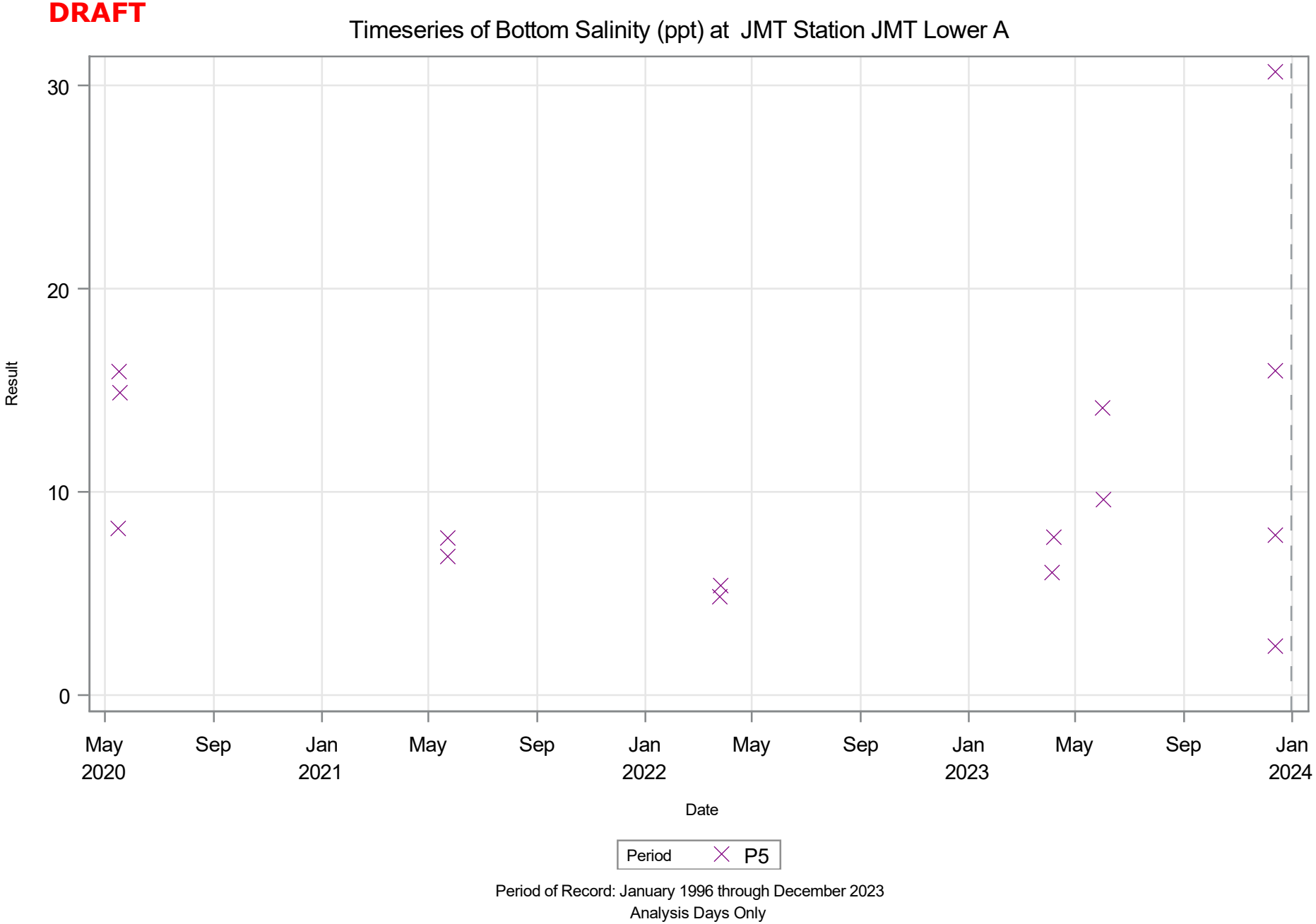
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	53	0.09	0.20	0.24	0.21	0.25	0.54
P2	17	0.11	0.14	0.16	0.15	0.20	0.23
P4	8	0.17	0.18	0.19	0.20	0.21	0.21
P5	21	0.15	0.18	0.20	0.20	0.22	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

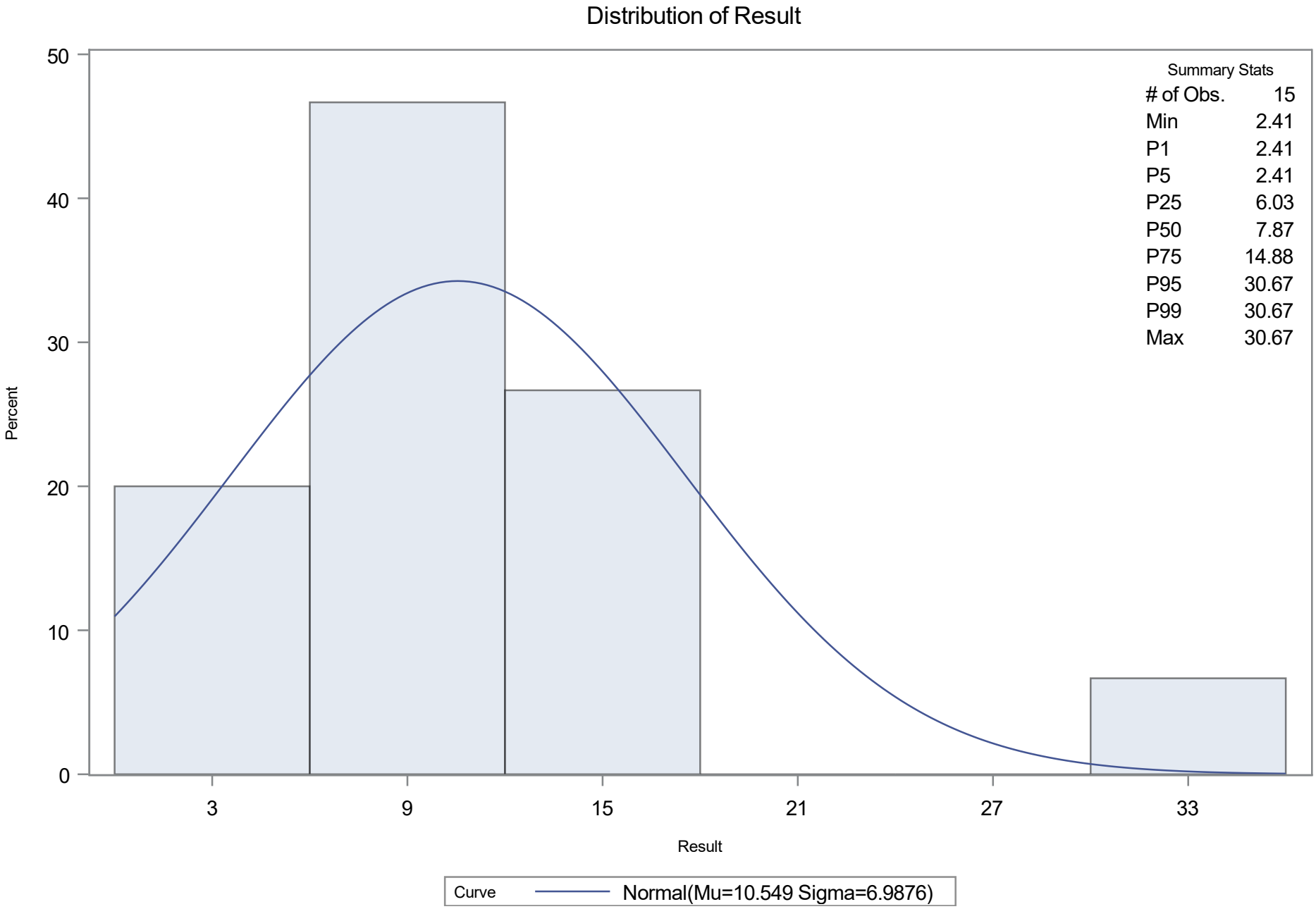

Boxplot by MFL Period for Surface Salinity (ppt) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.5
0.4
0.3
0.2
0.1
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Lower A
Result
30
20
10
0
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10.54933
Std Dev	Sigma	6.98758

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23164585	**Pr > D**	0.029
Cramer-von Mises	**W-Sq**	0.15352583	**Pr > W-Sq**	0.020
Anderson-Darling	**A-Sq**	0.94552038	**Pr > A-Sq**	0.013

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.41000	-5.70621
5.0	2.41000	-0.94421
10.0	4.84000	1.59439
25.0	6.03000	5.83628
50.0	7.87000	10.54933
75.0	14.88000	15.26238
90.0	15.96000	19.50428
95.0	30.67000	22.04288
99.0	30.67000	26.80488

Period of Record: January 1996 through December 2023
Analysis Days Only

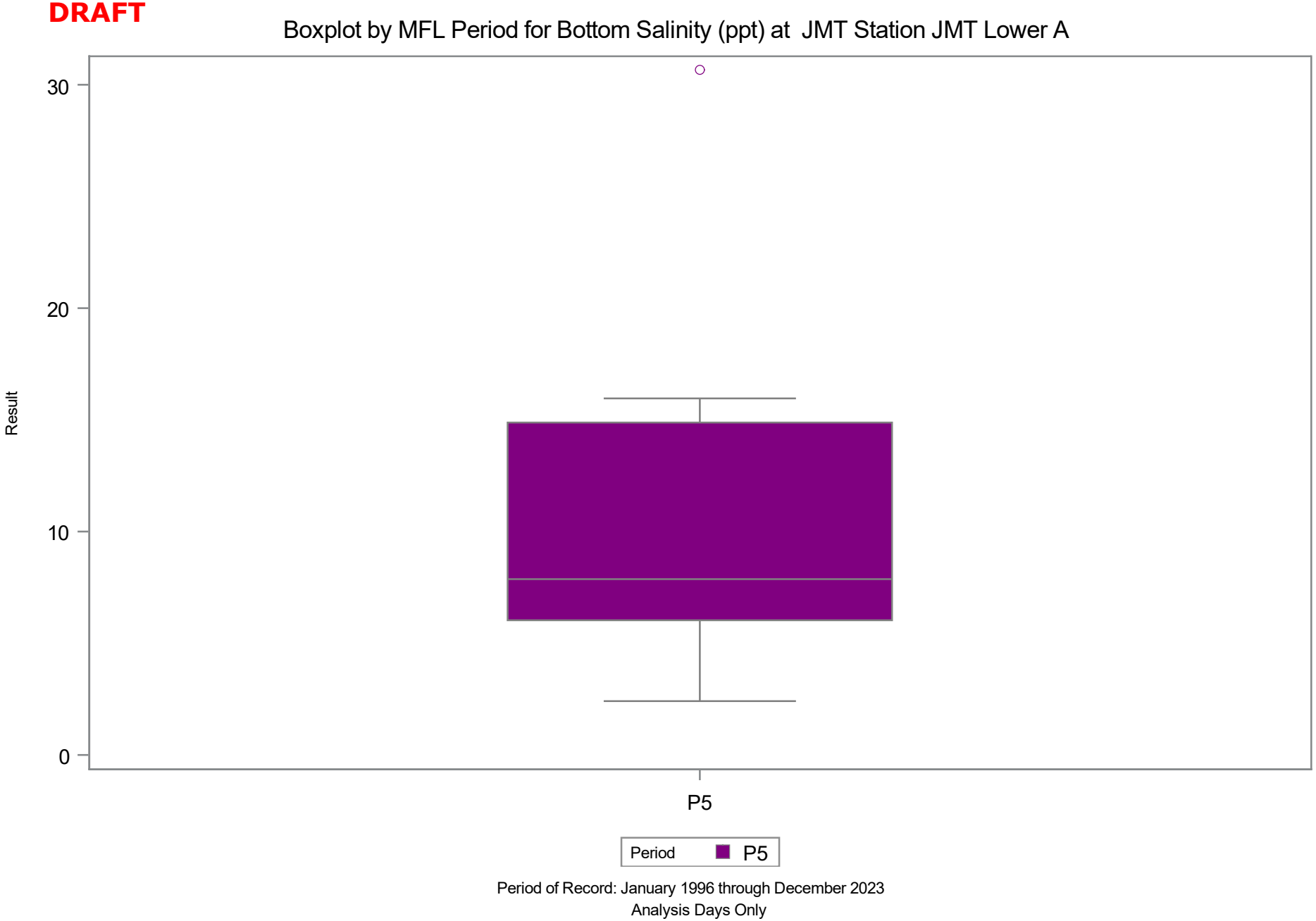
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Lower A

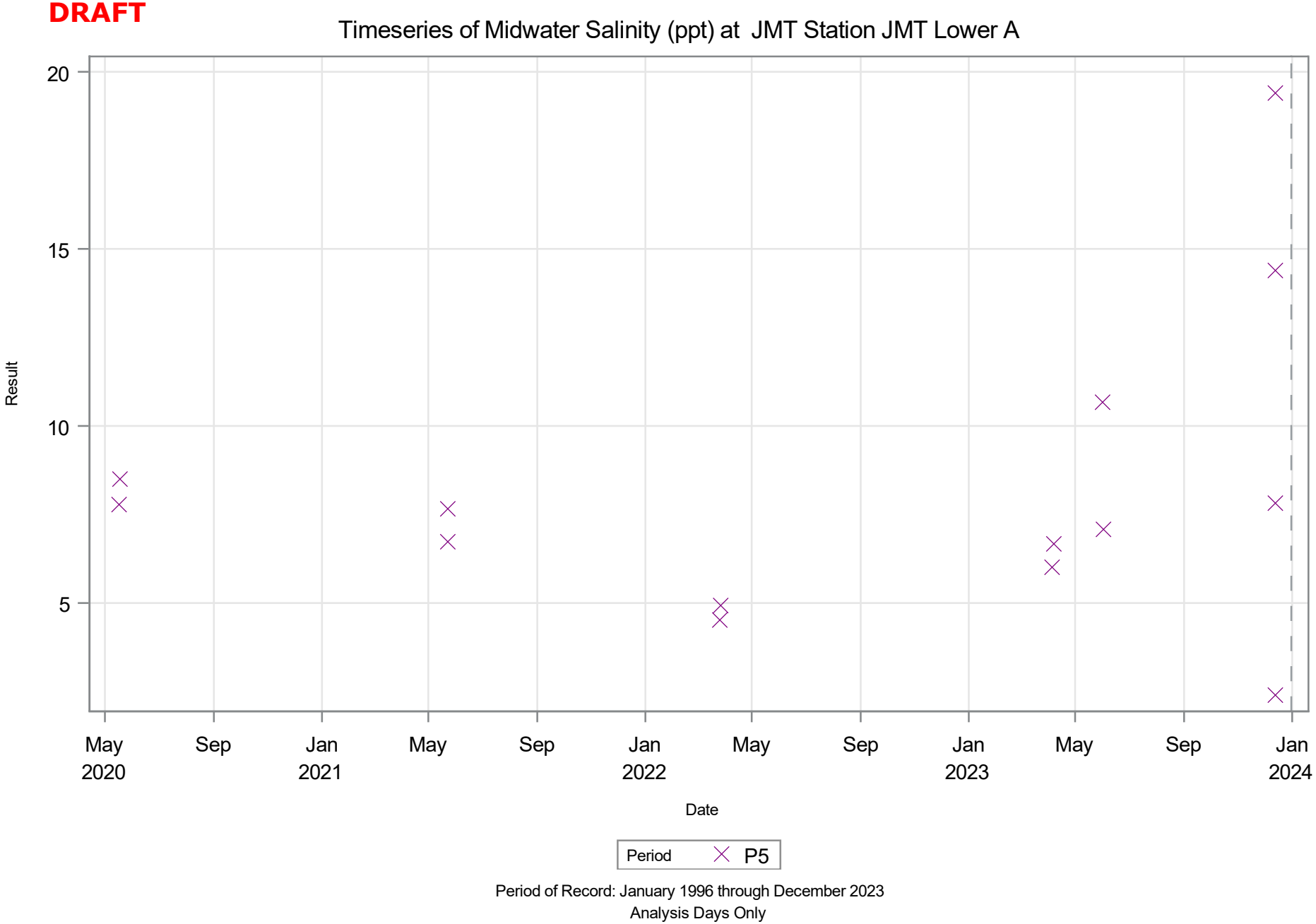
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	2.41	6.03	10.55	7.87	14.88	30.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

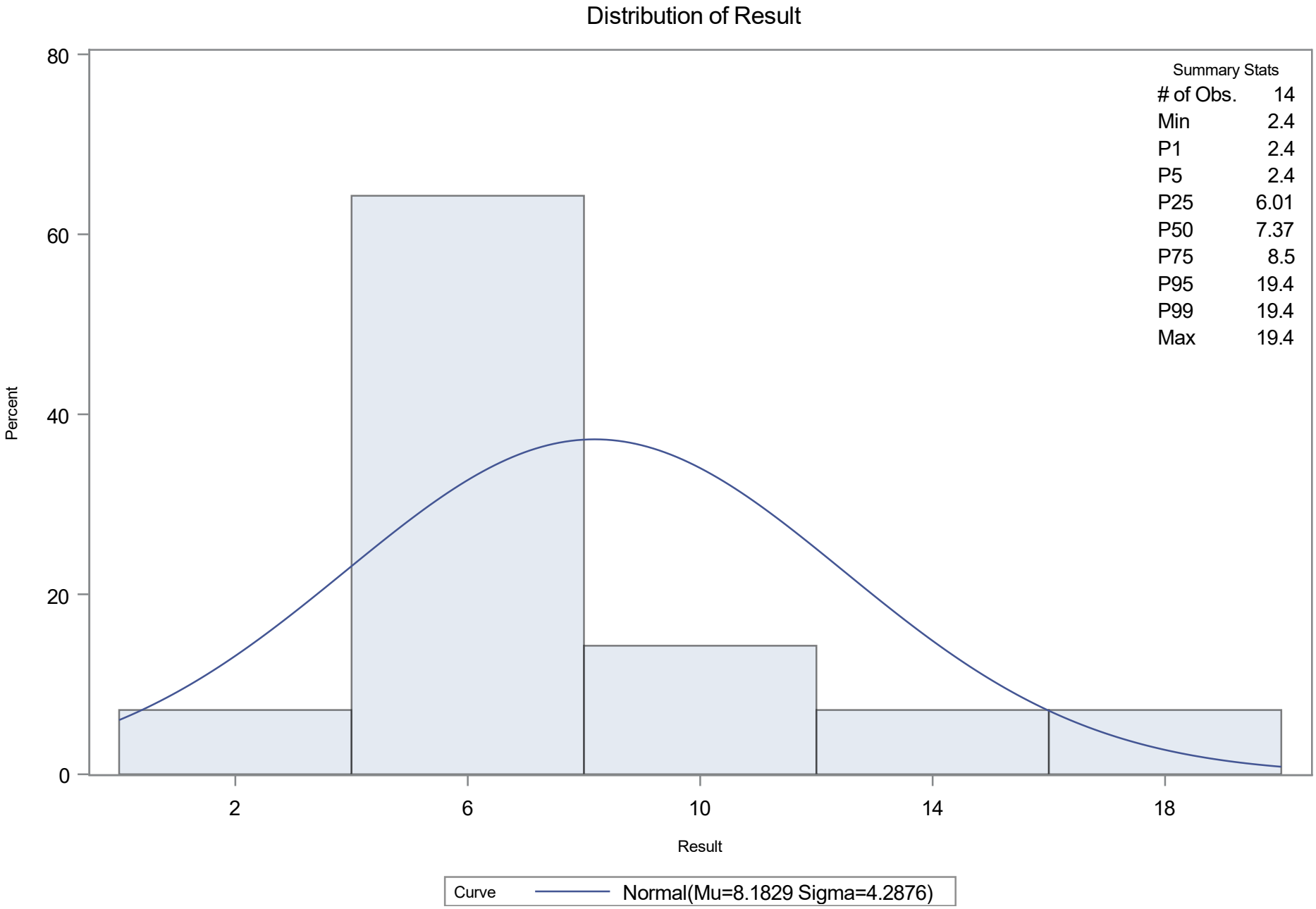

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Lower A
Result
30
20
10
0
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Lower A
Result
20
15
10
5
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.182857
Std Dev	Sigma	4.287575

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25623225	**Pr > D**	0.014
Cramer-von Mises	**W-Sq**	0.16284951	**Pr > W-Sq**	0.015
Anderson-Darling	**A-Sq**	0.87710379	**Pr > A-Sq**	0.019

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.40000	-1.79153
5.0	2.40000	1.13042
10.0	4.52000	2.68811
25.0	6.01000	5.29093
50.0	7.37000	8.18286
75.0	8.50000	11.07478
90.0	14.39000	13.67761
95.0	19.40000	15.23529
99.0	19.40000	18.15725

Period of Record: January 1996 through December 2023
Analysis Days Only

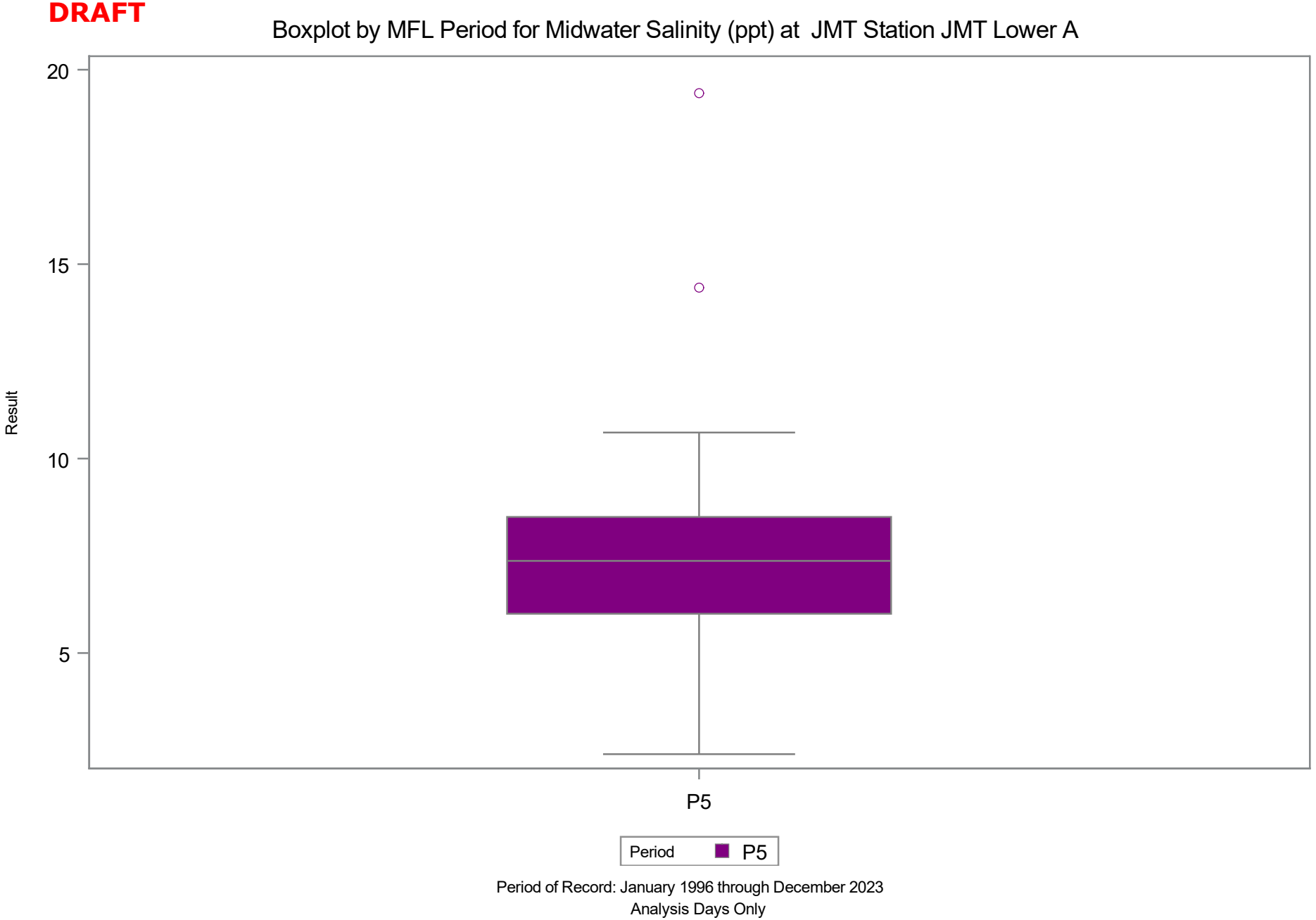
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Lower A

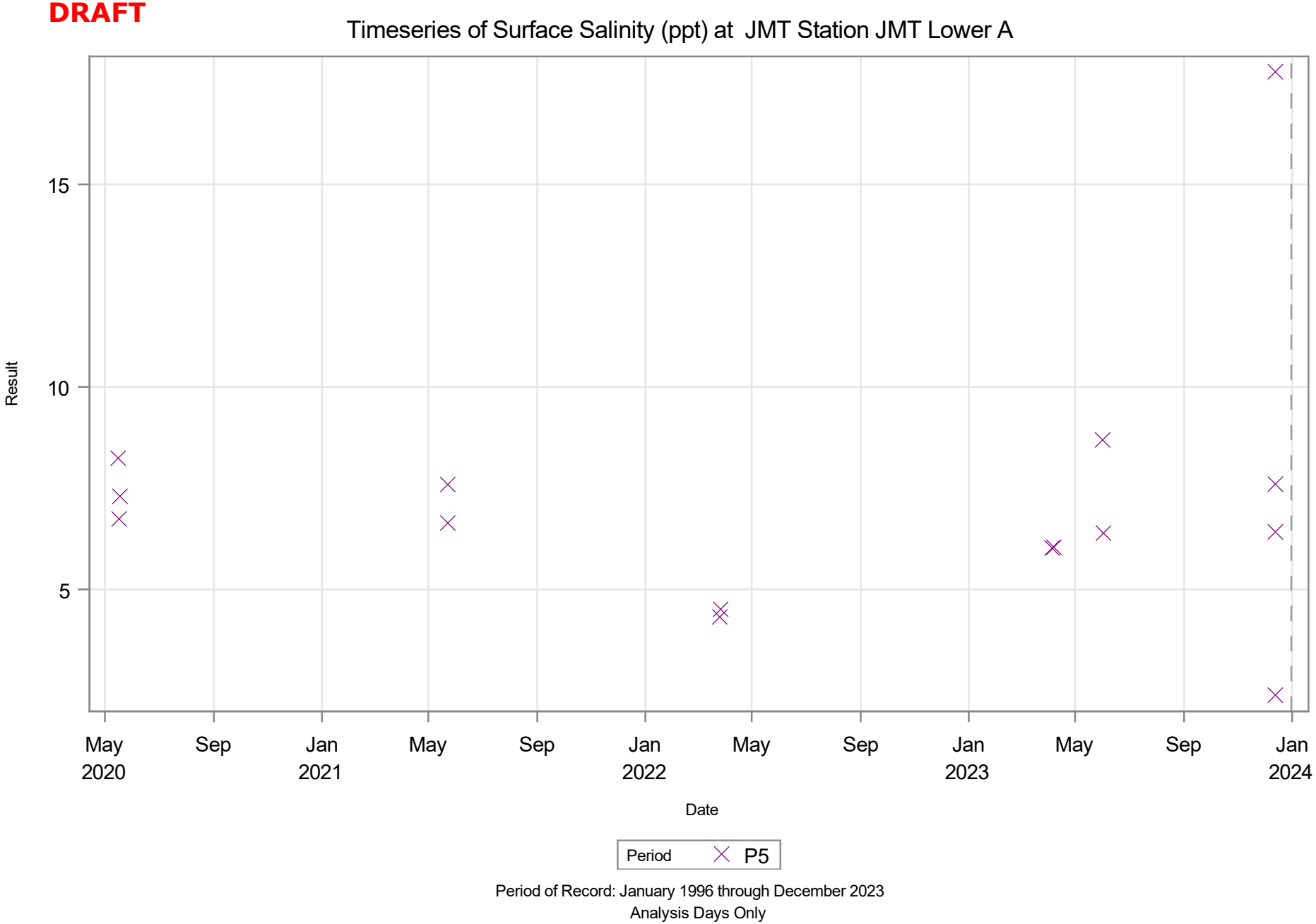
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.40	6.01	8.18	7.37	8.50	19.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

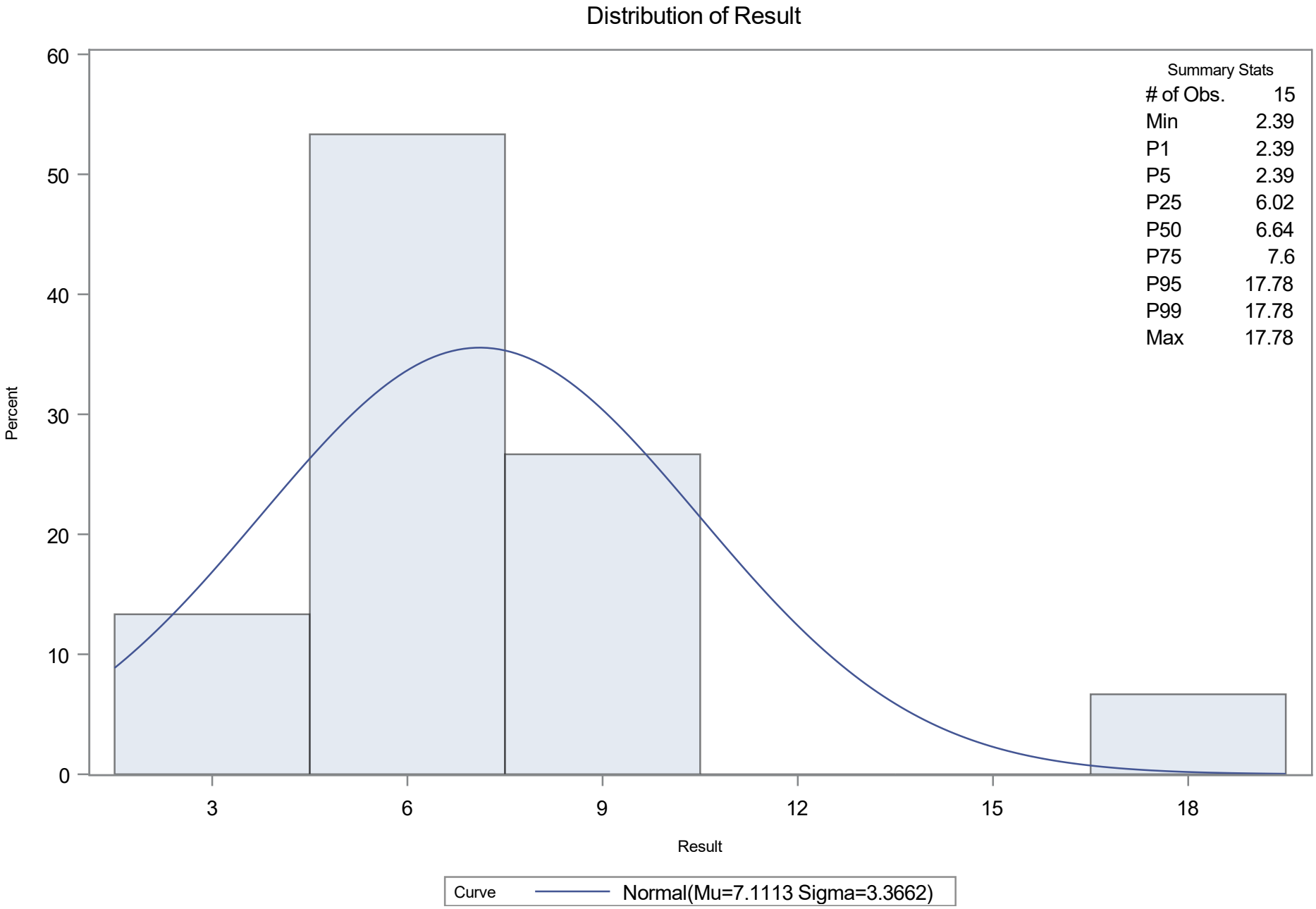

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Lower A
Result
20
15
10
5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Lower A
Result
15
10
5
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.111333
Std Dev	Sigma	3.366182

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25287589	**Pr > D**	0.010
Cramer-von Mises	**W-Sq**	0.23096223	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.35805459	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.39000	-0.71958
5.0	2.39000	1.57446
10.0	4.32000	2.79740
25.0	6.02000	4.84088
50.0	6.64000	7.11133
75.0	7.60000	9.38179
90.0	8.69000	11.42527
95.0	17.78000	12.64821
99.0	17.78000	14.94224

Period of Record: January 1996 through December 2023
Analysis Days Only

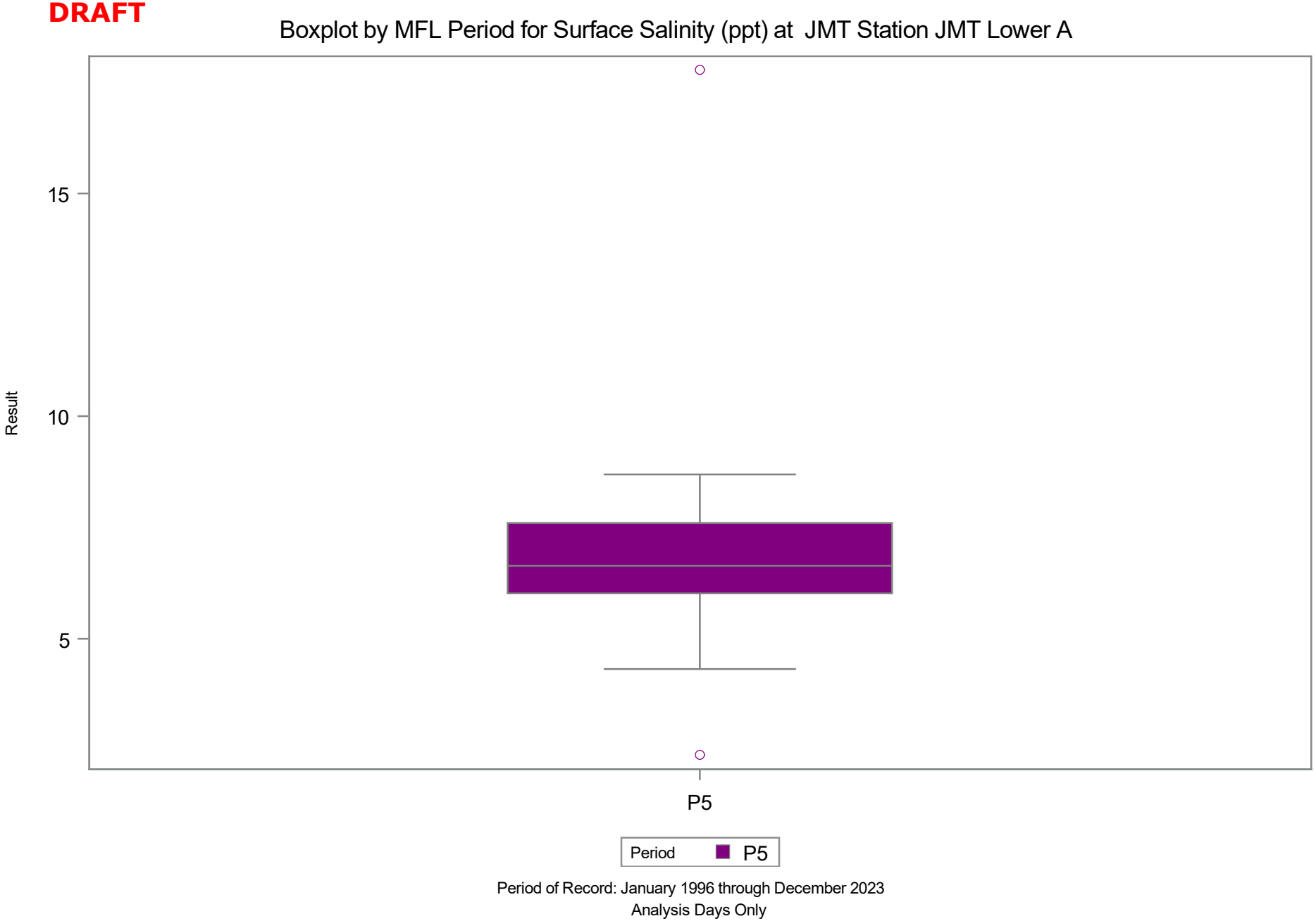
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Lower A

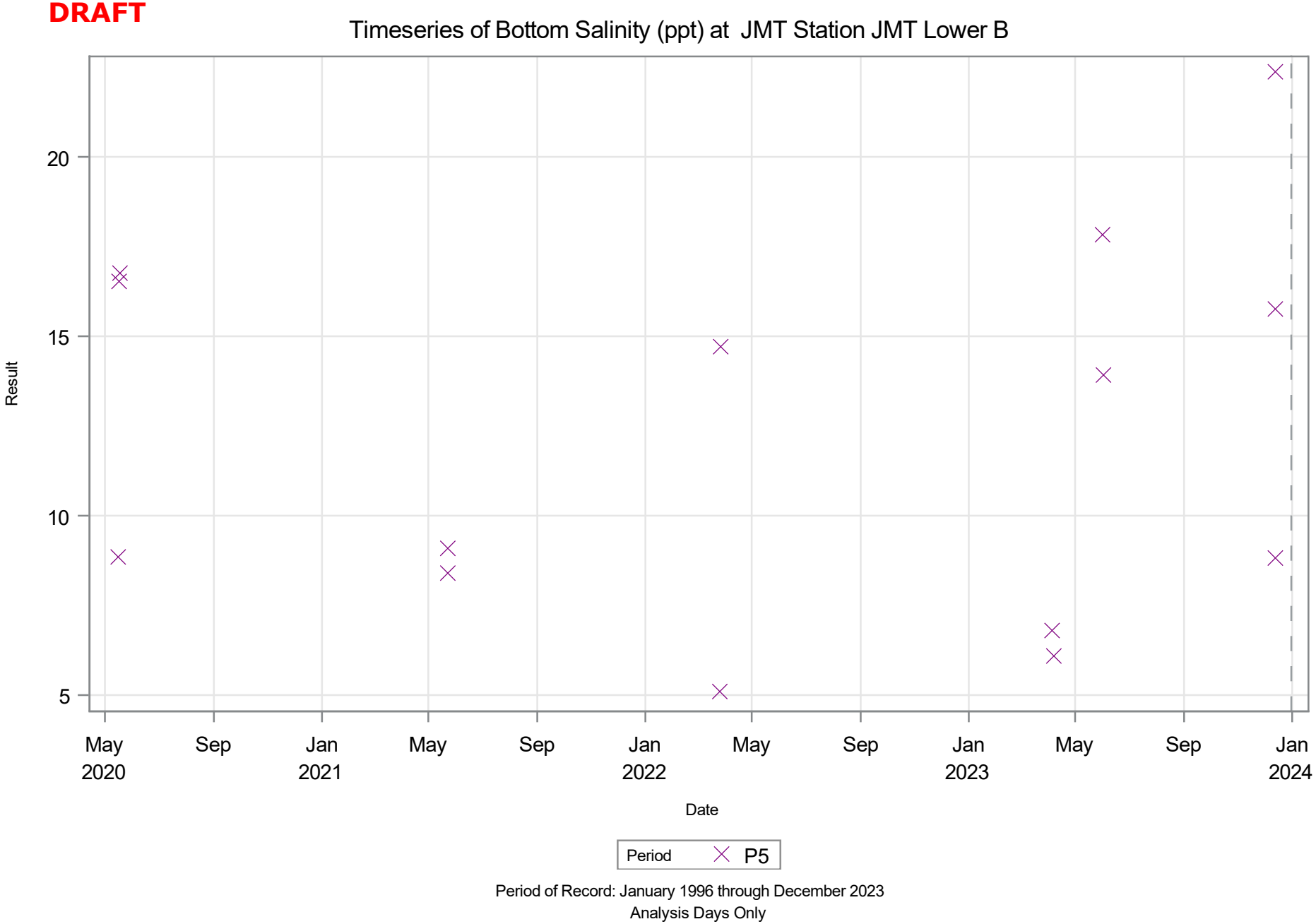
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	2.39	6.02	7.11	6.64	7.60	17.78

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

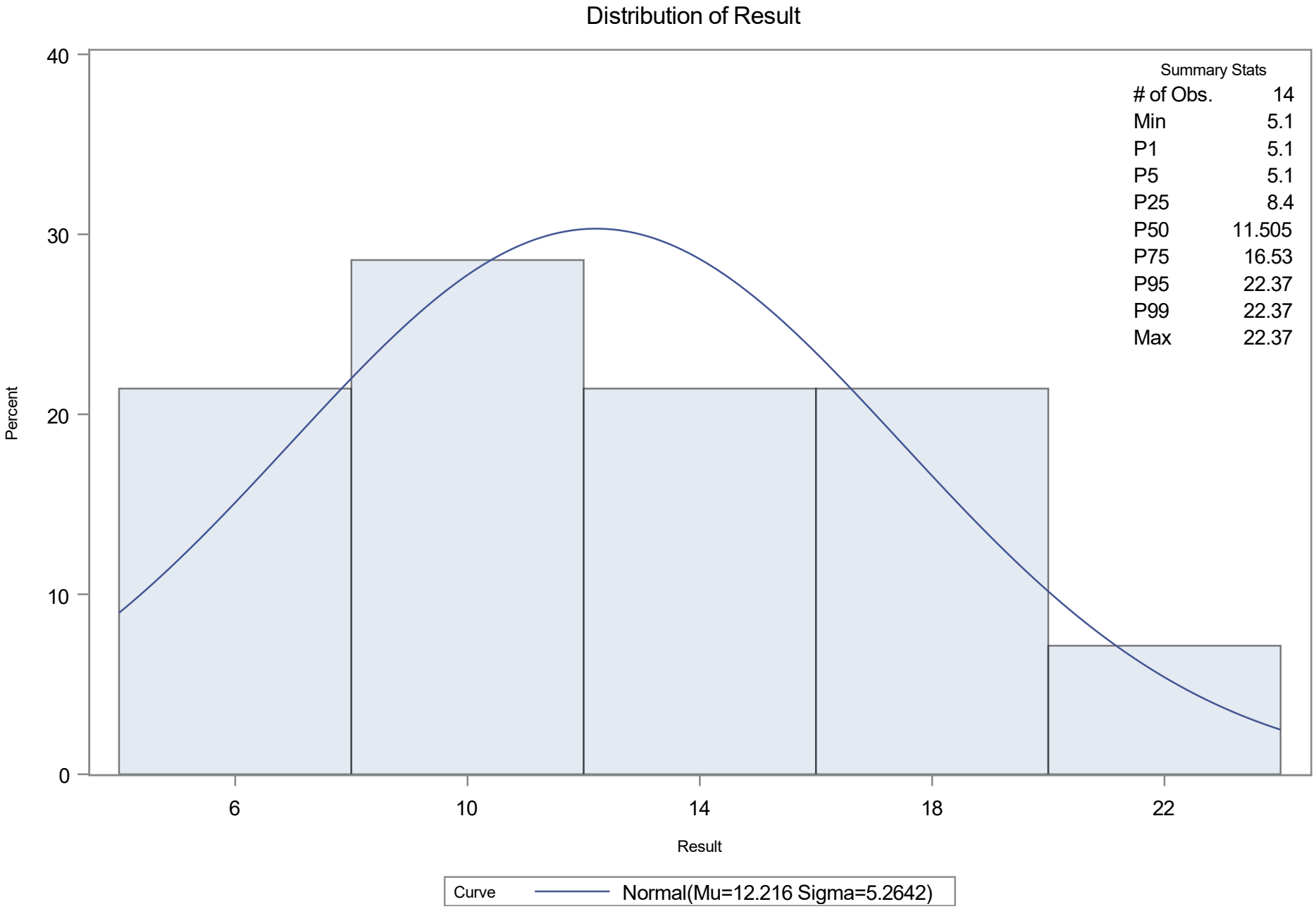

Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Lower A
Result
15
10
5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Lower B
Result
20
15
10
5
May
2020
Sep
Jan
2021
May
Sep
Jan
2022
May
Sep
Jan
2023
May
Sep
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.21643
Std Dev	Sigma	5.264231

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22371060	**Pr > D**	0.056
Cramer-von Mises	**W-Sq**	0.08891535	**Pr > W-Sq**	0.146
Anderson-Darling	**A-Sq**	0.48395616	**Pr > A-Sq**	0.200

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.10000	-0.03000
5.0	5.10000	3.55754
10.0	6.09000	5.47004
25.0	8.40000	8.66576
50.0	11.50500	12.21643
75.0	16.53000	15.76710
90.0	17.83000	18.96281
95.0	22.37000	20.87532
99.0	22.37000	24.46286

Period of Record: January 1996 through December 2023
Analysis Days Only

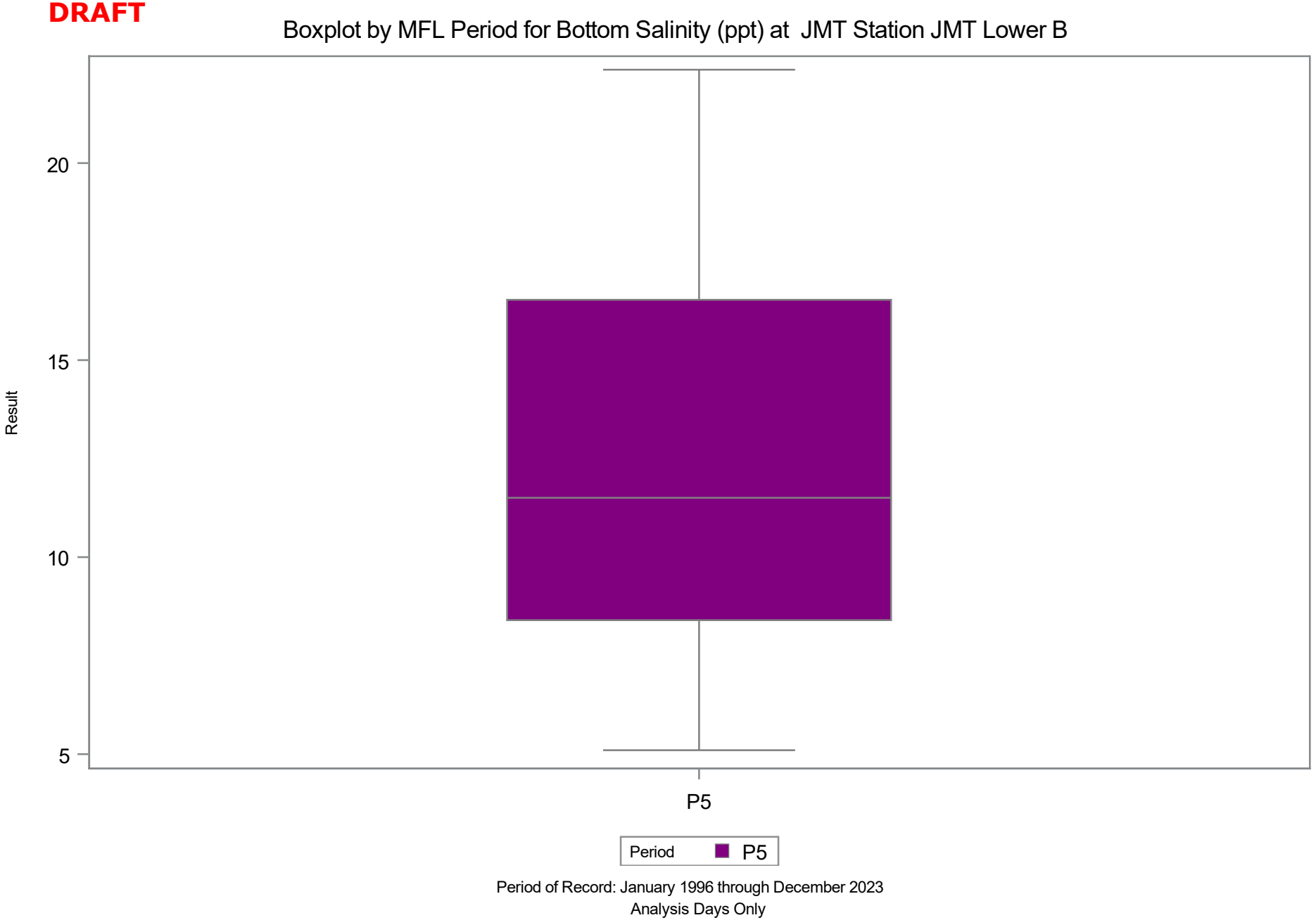
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Lower B

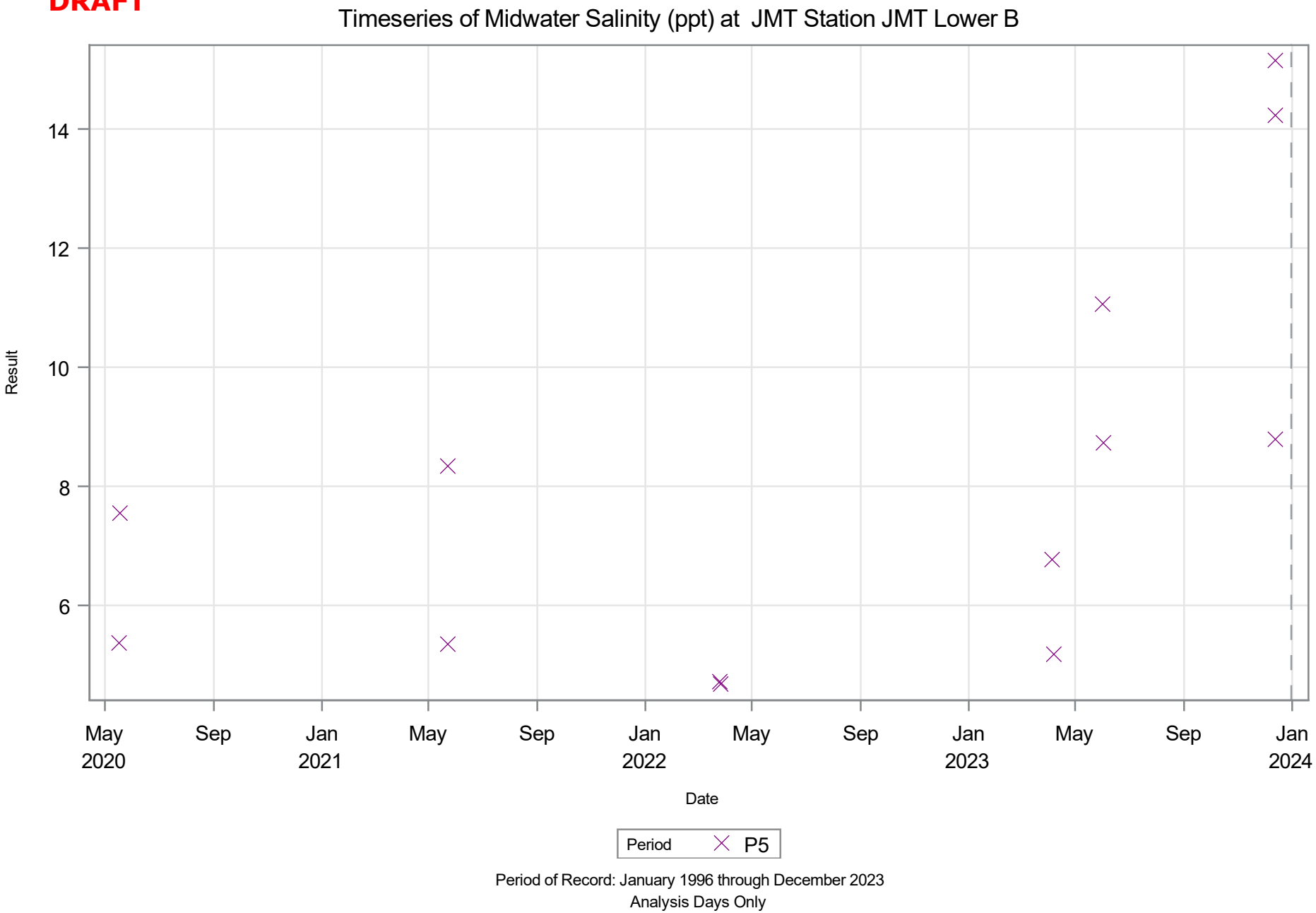
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	5.10	8.40	12.22	11.51	16.53	22.37

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

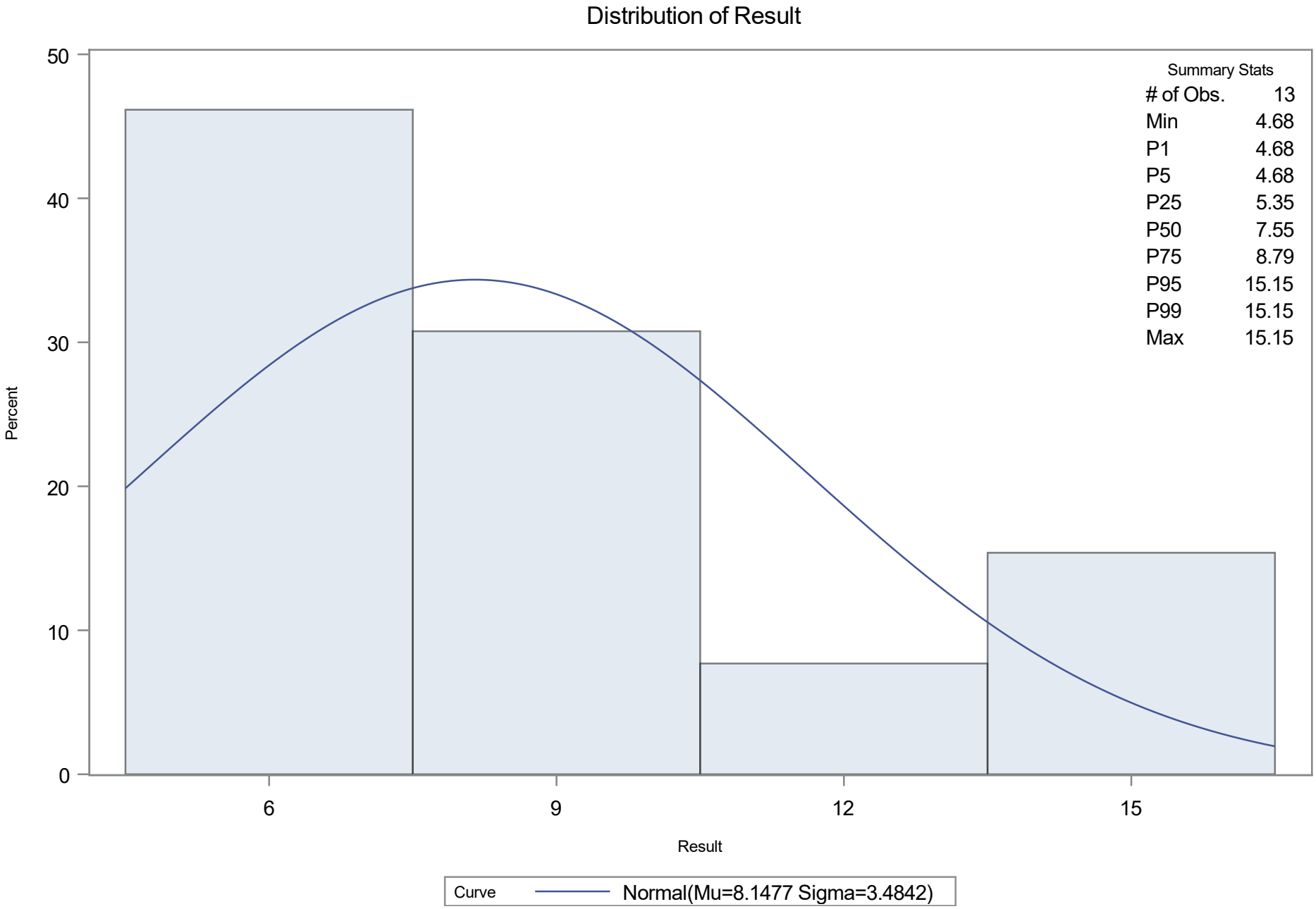

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Lower B
Result
20
15
10
5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Lower B
Result
14
12
10
8
6
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.147692
Std Dev	Sigma	3.484203

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19610079	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09662383	**Pr > W-Sq**	0.114
Anderson-Darling	**A-Sq**	0.64726839	**Pr > A-Sq**	0.074

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.68000	0.04222
5.0	4.68000	2.41669
10.0	4.72000	3.68251
25.0	5.35000	5.79763
50.0	7.55000	8.14769
75.0	8.79000	10.49775
90.0	14.23000	12.61288
95.0	15.15000	13.87870
99.0	15.15000	16.25316

Period of Record: January 1996 through December 2023
Analysis Days Only

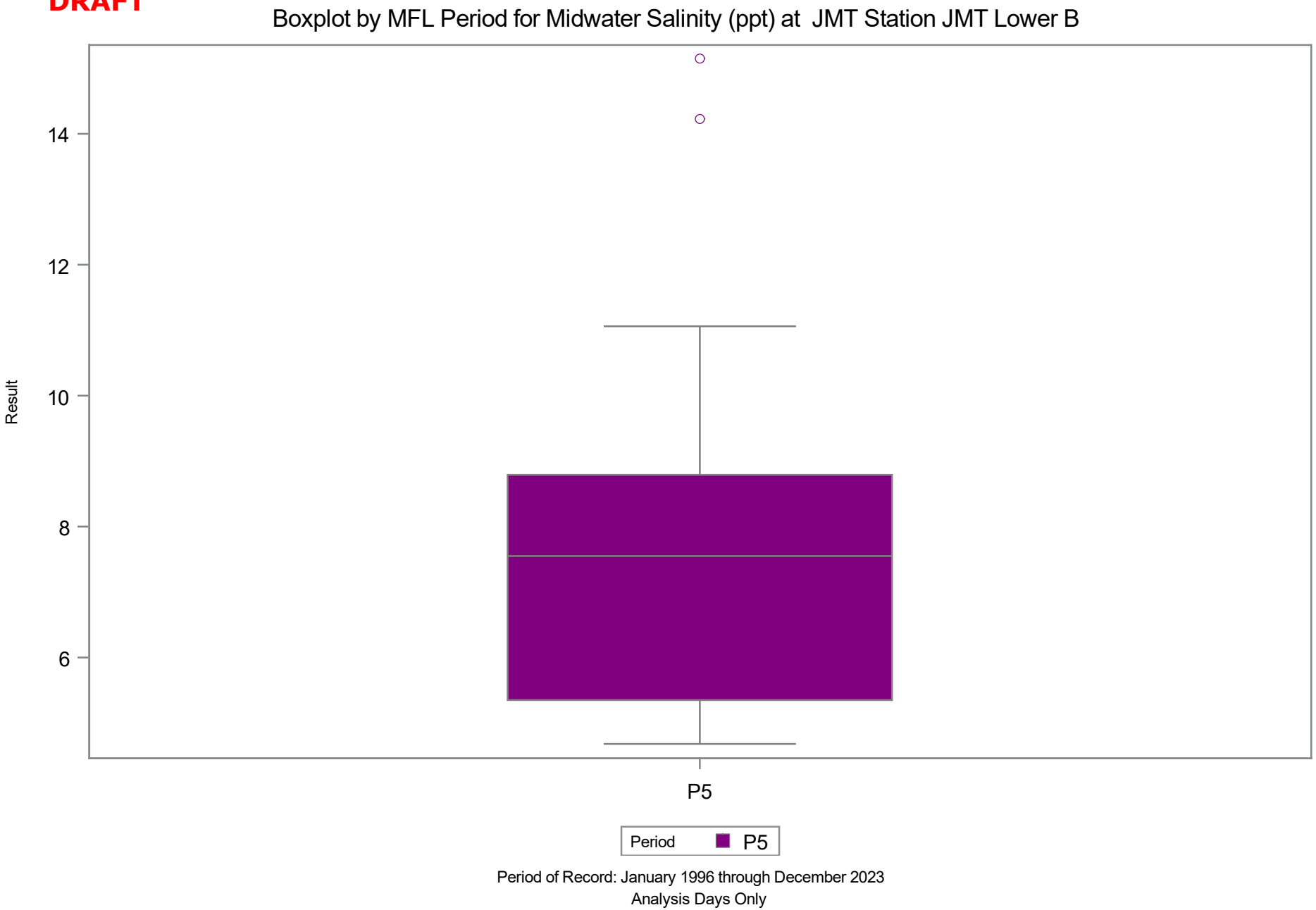
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Lower B

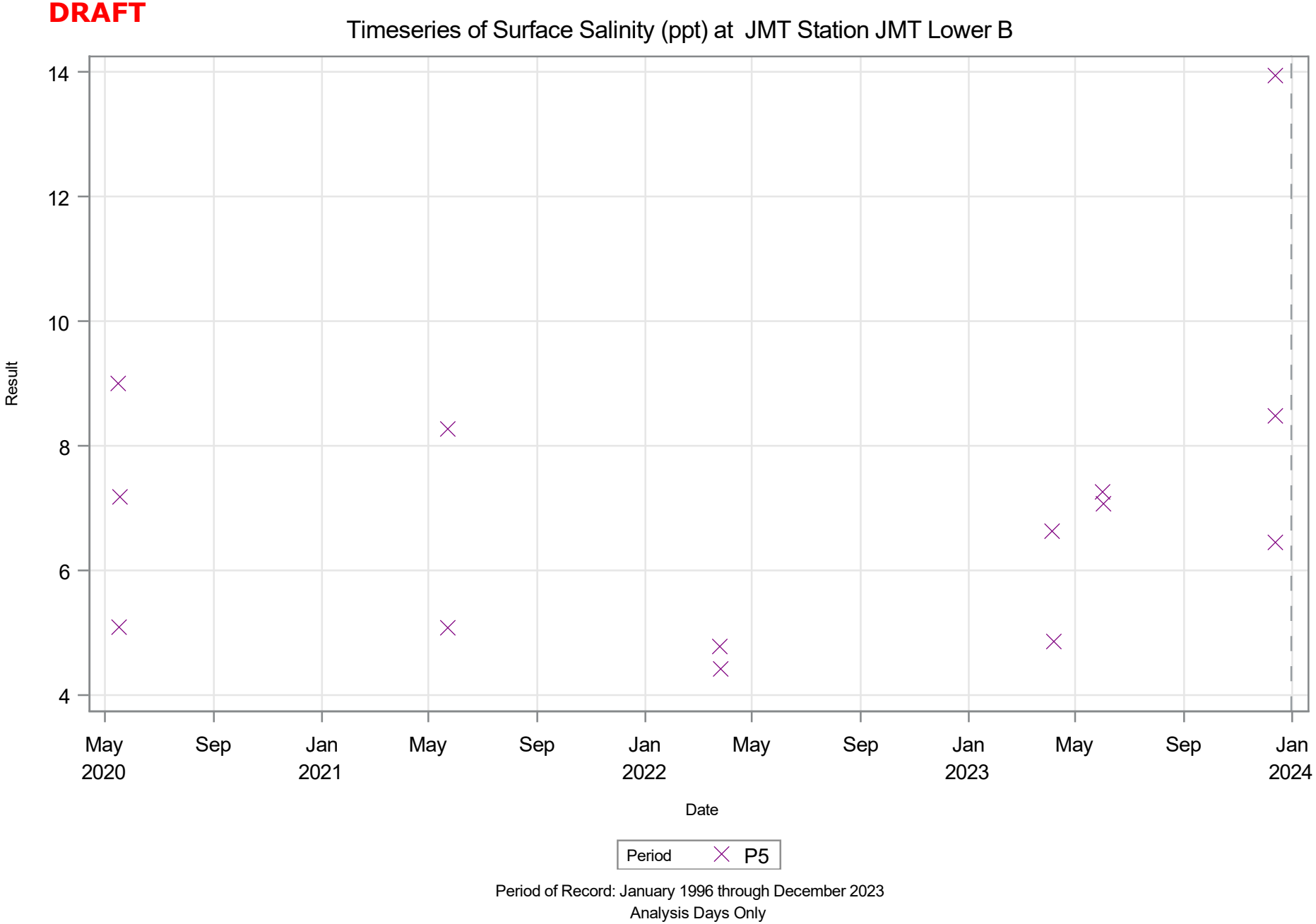
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	4.68	5.35	8.15	7.55	8.79	15.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

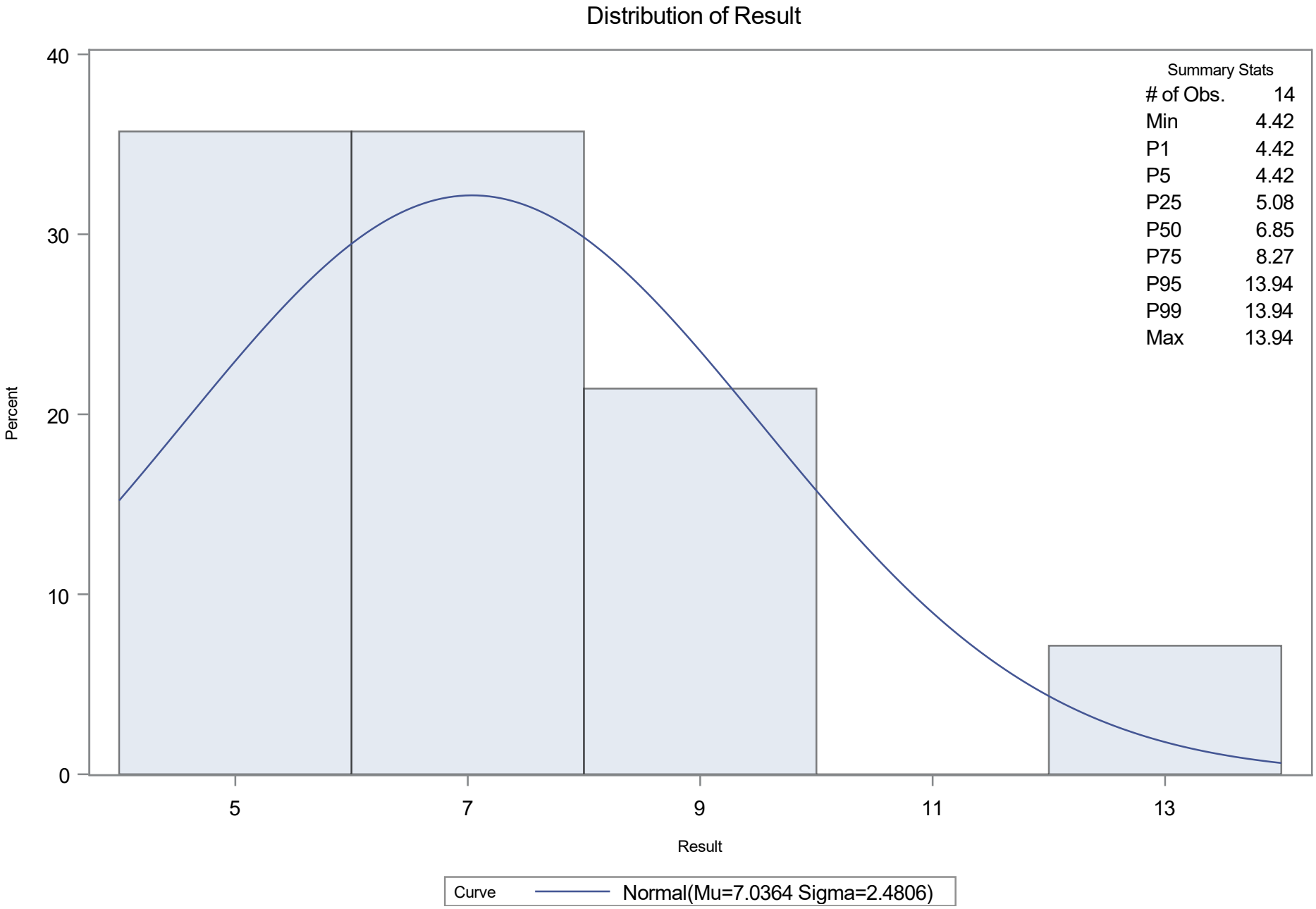

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Lower B
Result
14
12
10
8
6
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Lower B
Result
14
12
10
8
6
4
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.036429
Std Dev	Sigma	2.480563

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17837795	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09183903	**Pr > W-Sq**	0.134
Anderson-Darling	**A-Sq**	0.69488265	**Pr > A-Sq**	0.055

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.42000	1.26578
5.0	4.42000	2.95627
10.0	4.78000	3.85746
25.0	5.08000	5.36331
50.0	6.85000	7.03643
75.0	8.27000	8.70954
90.0	9.00000	10.21540
95.0	13.94000	11.11659
99.0	13.94000	12.80708

Period of Record: January 1996 through December 2023
Analysis Days Only

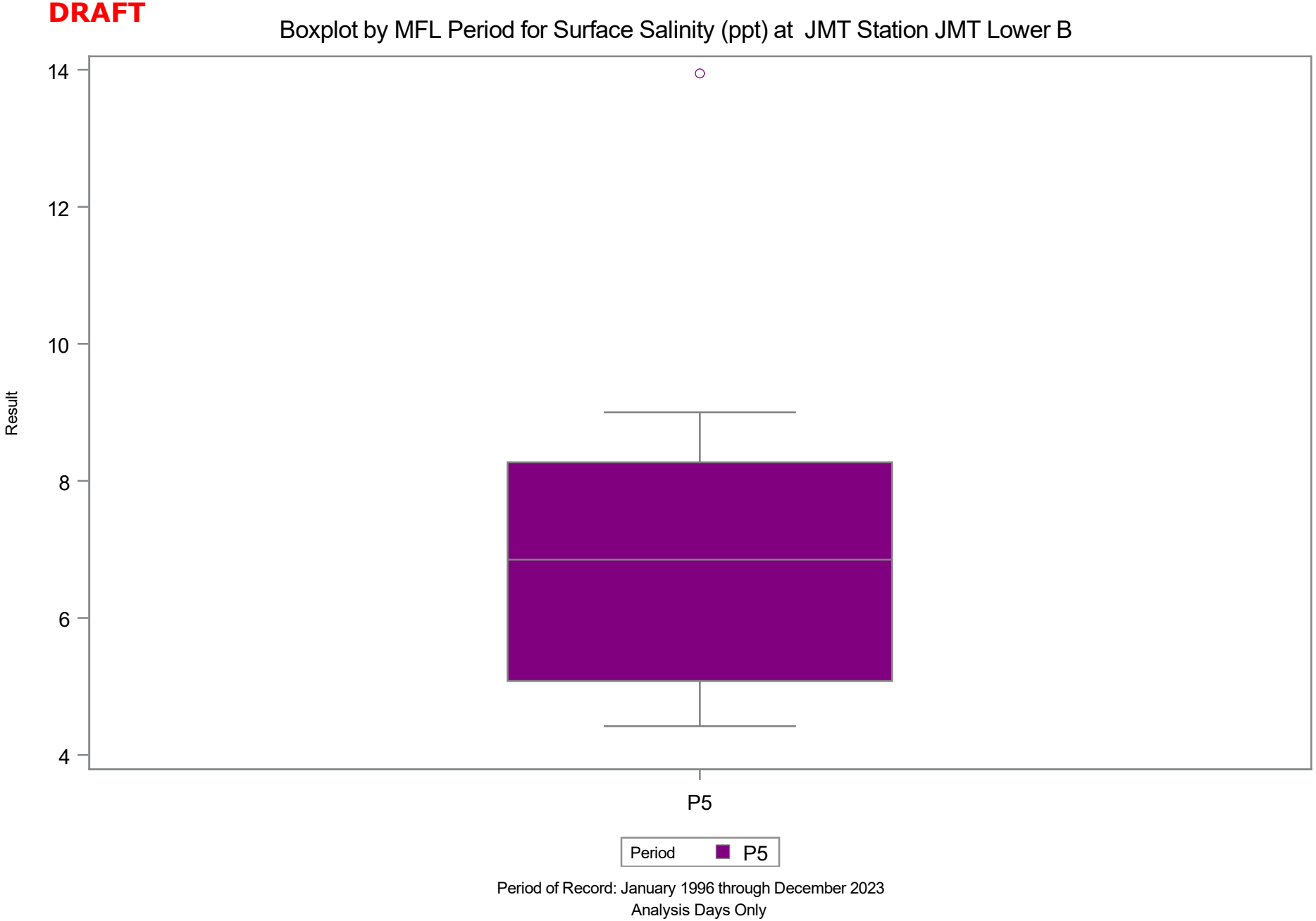
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Lower B

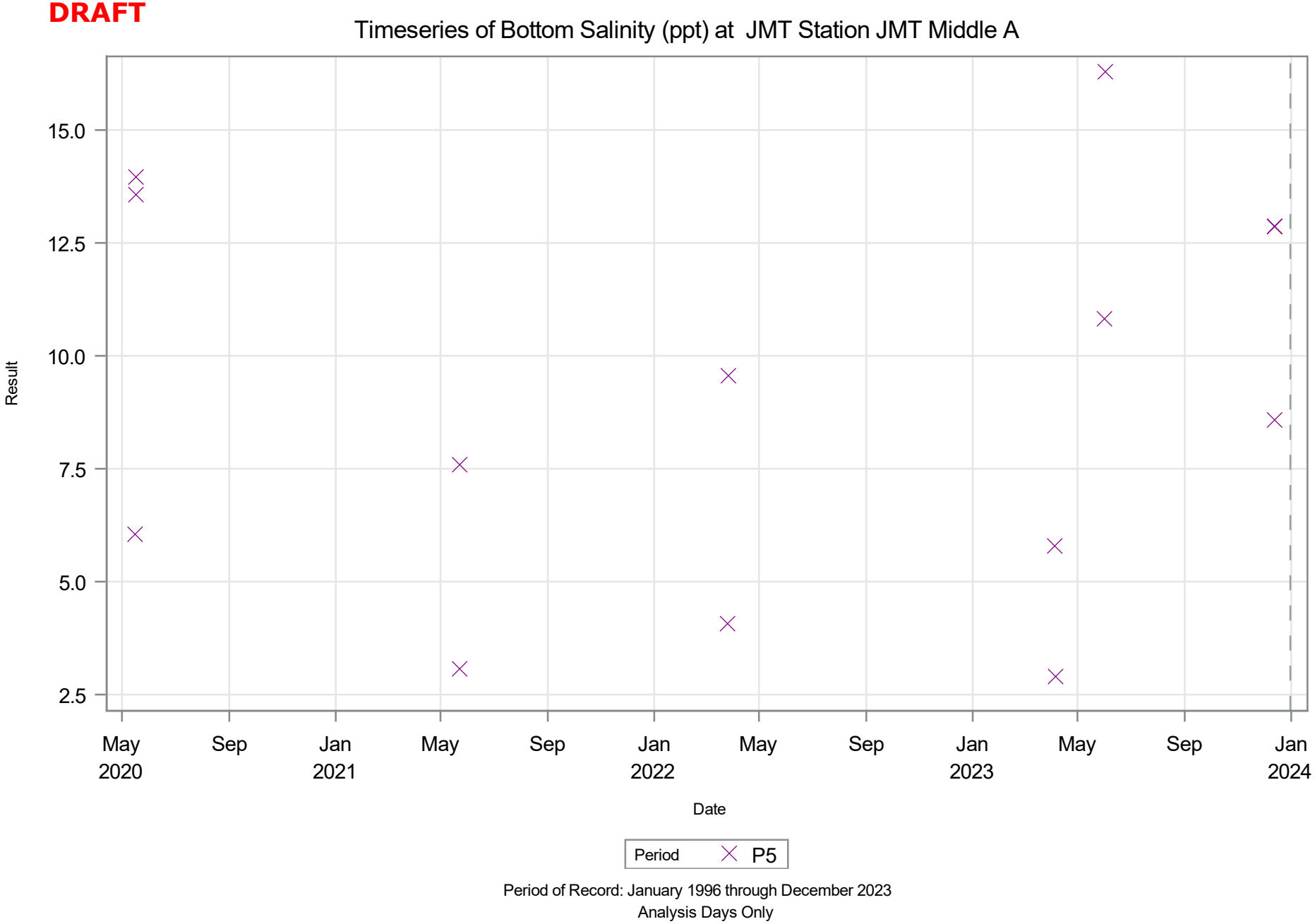
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	4.42	5.08	7.04	6.85	8.27	13.94

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

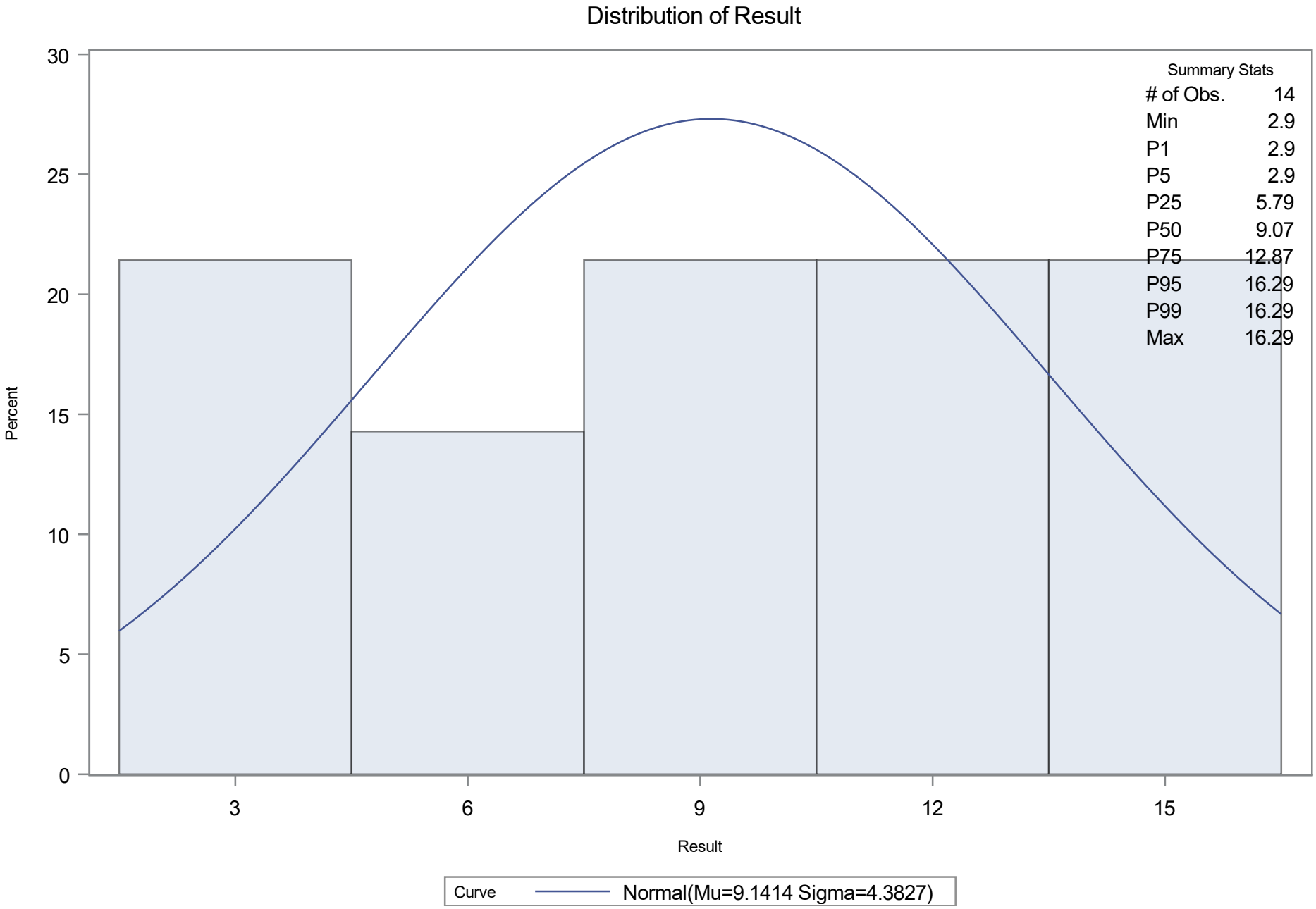

Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Lower B
Result
14
12
10
8
6
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Middle A
Result
15.0
12.5
10.0
7.5
5.0
2.5
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.141429
Std Dev	Sigma	4.382693

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15905395	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04115305	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.28905699	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.90000	-1.05424
5.0	2.90000	1.93254
10.0	3.07000	3.52478
25.0	5.79000	6.18535
50.0	9.07000	9.14143
75.0	12.87000	12.09751
90.0	13.96000	14.75808
95.0	16.29000	16.35032
99.0	16.29000	19.33710

Period of Record: January 1996 through December 2023
Analysis Days Only

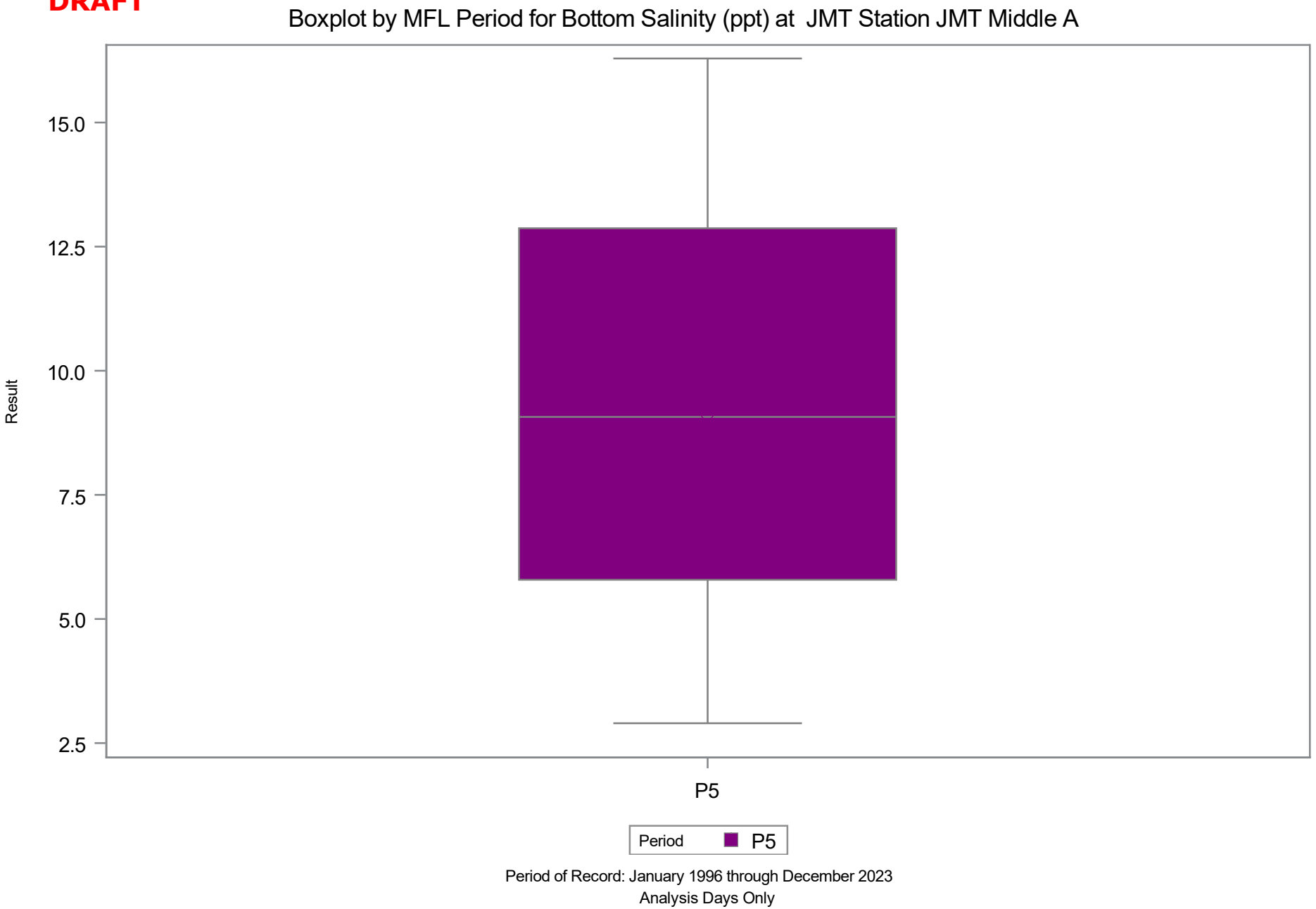
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Middle A

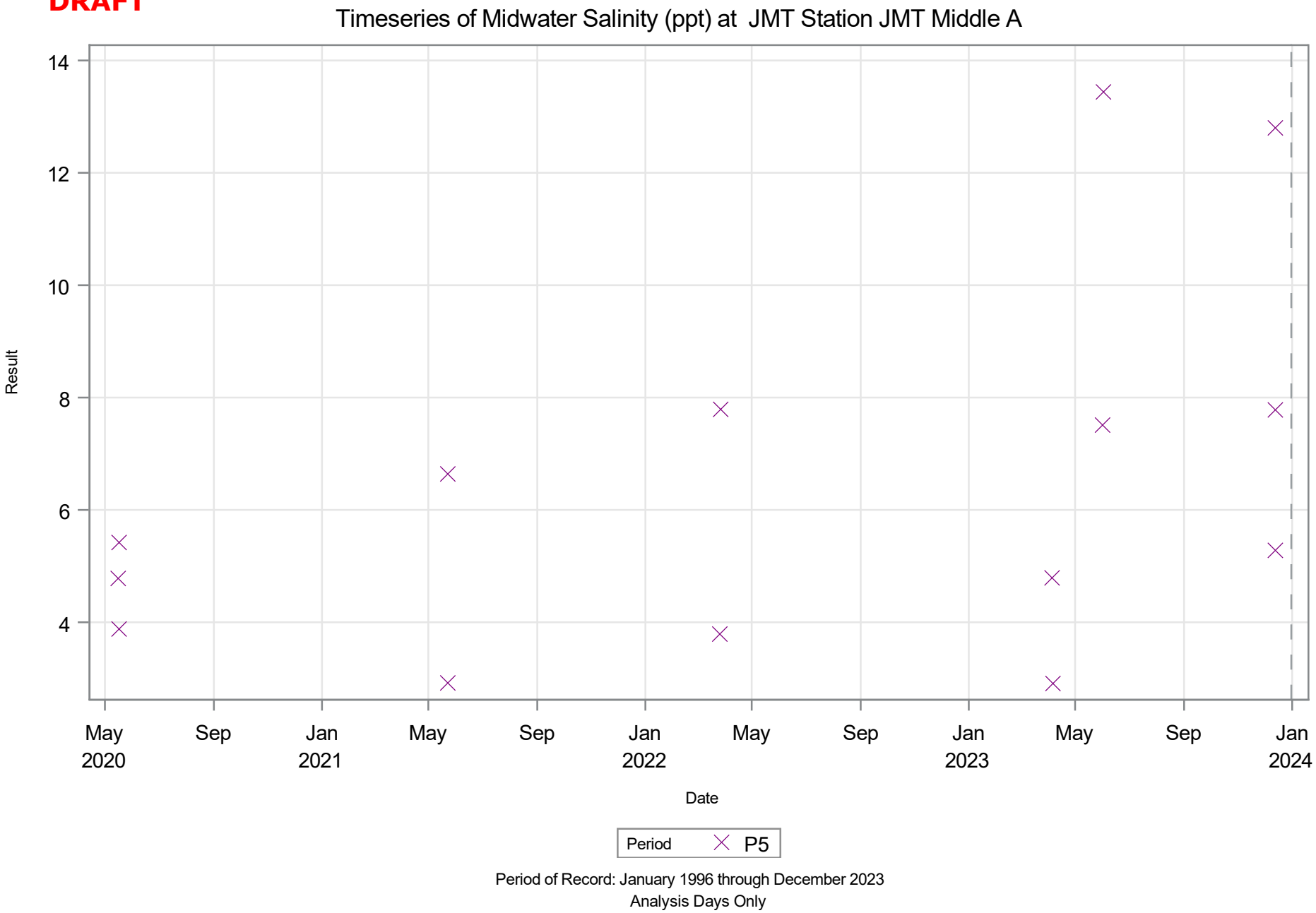
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.90	5.79	9.14	9.07	12.87	16.29

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

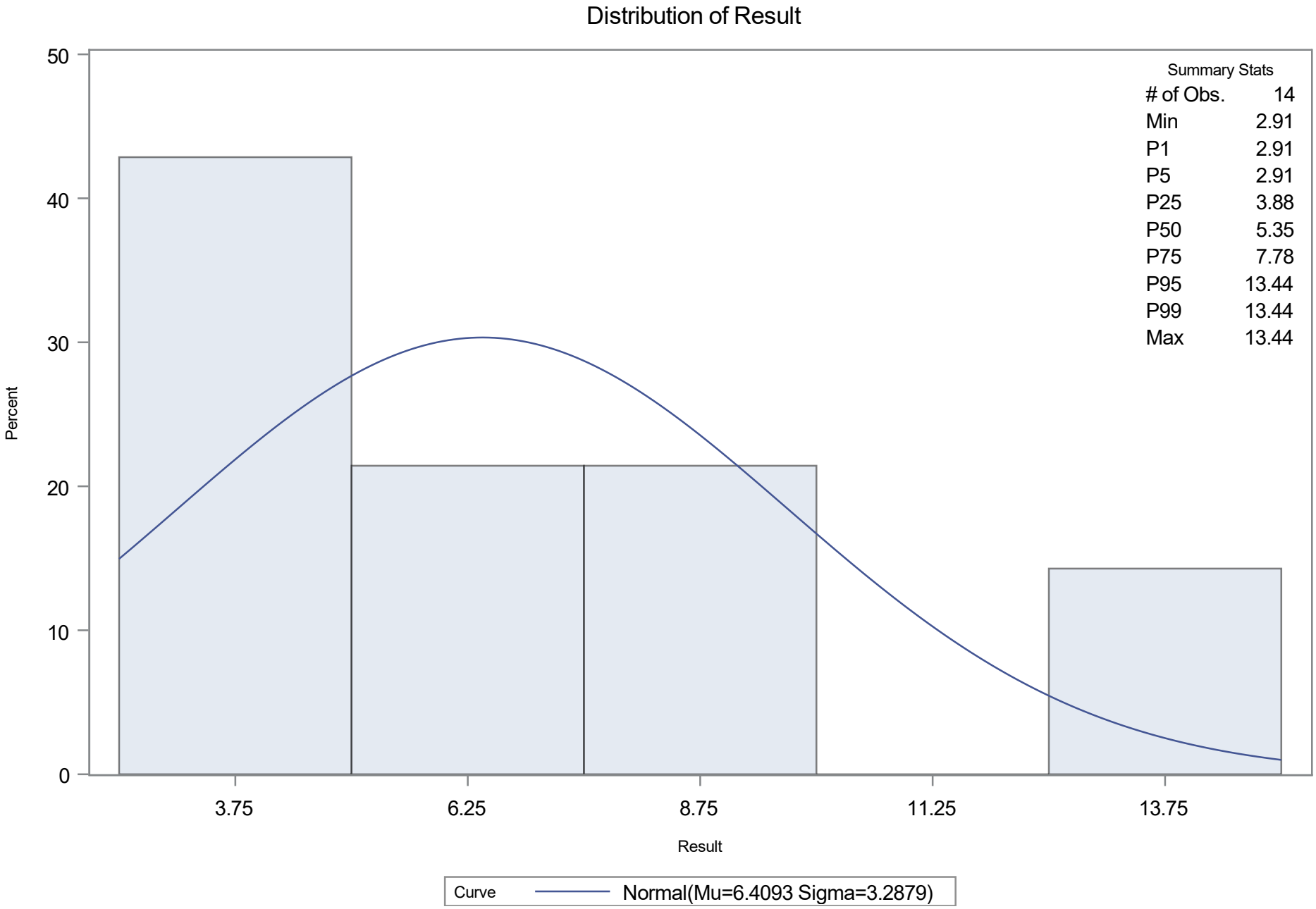

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Middle A
Result
15.0
12.5
10.0
7.5
5.0
2.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Middle A
Result
14
12
10
8
6
4
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.409286
Std Dev	Sigma	3.287867

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19440667	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.10971527	**Pr > W-Sq**	0.078
Anderson-Darling	**A-Sq**	0.74423401	**Pr > A-Sq**	0.042

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.91000	-1.23944
5.0	2.91000	1.00123
10.0	2.92000	2.19571
25.0	3.88000	4.19165
50.0	5.35000	6.40929
75.0	7.78000	8.62692
90.0	12.80000	10.62286
95.0	13.44000	11.81735
99.0	13.44000	14.05801

Period of Record: January 1996 through December 2023
Analysis Days Only

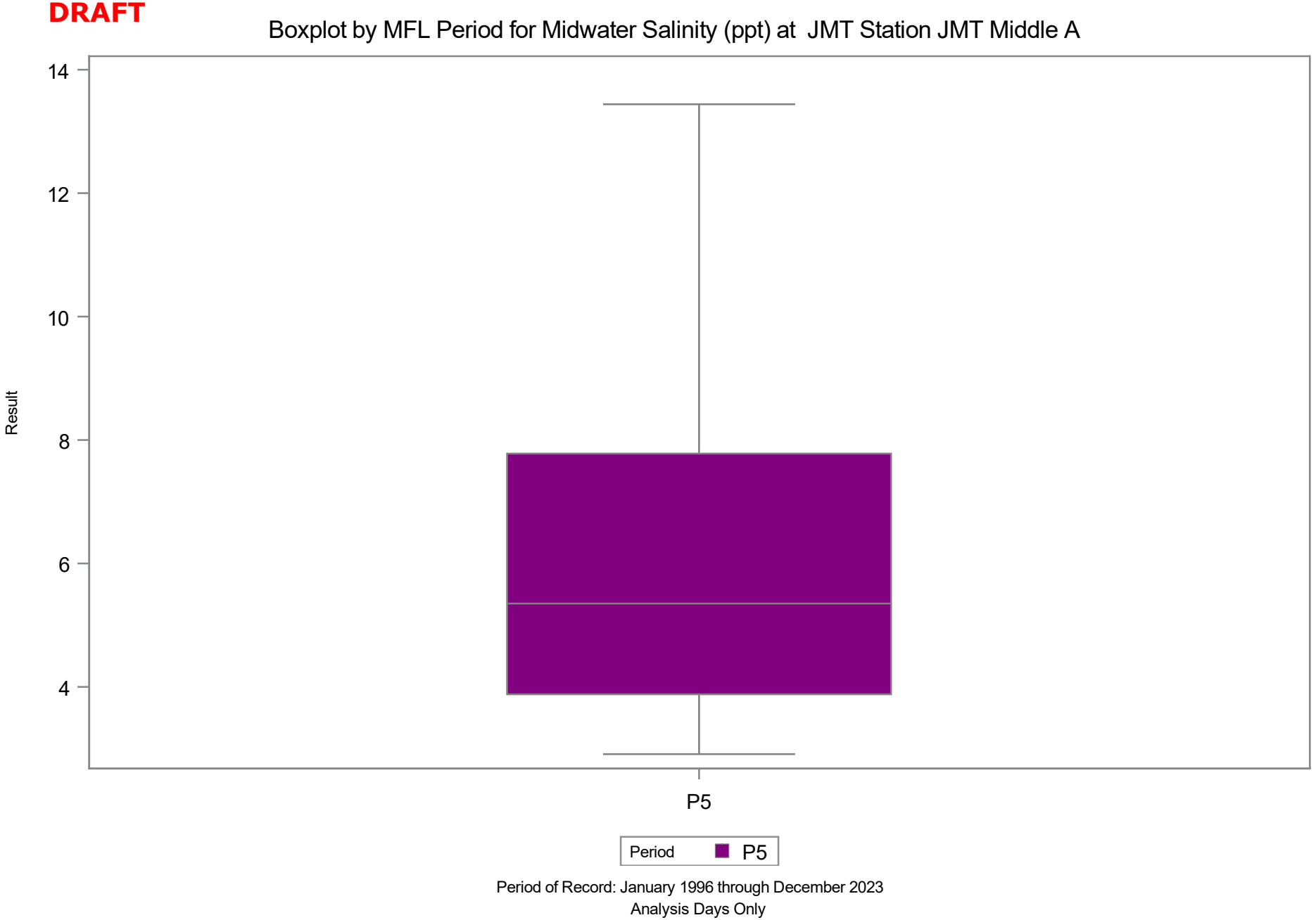
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Middle A

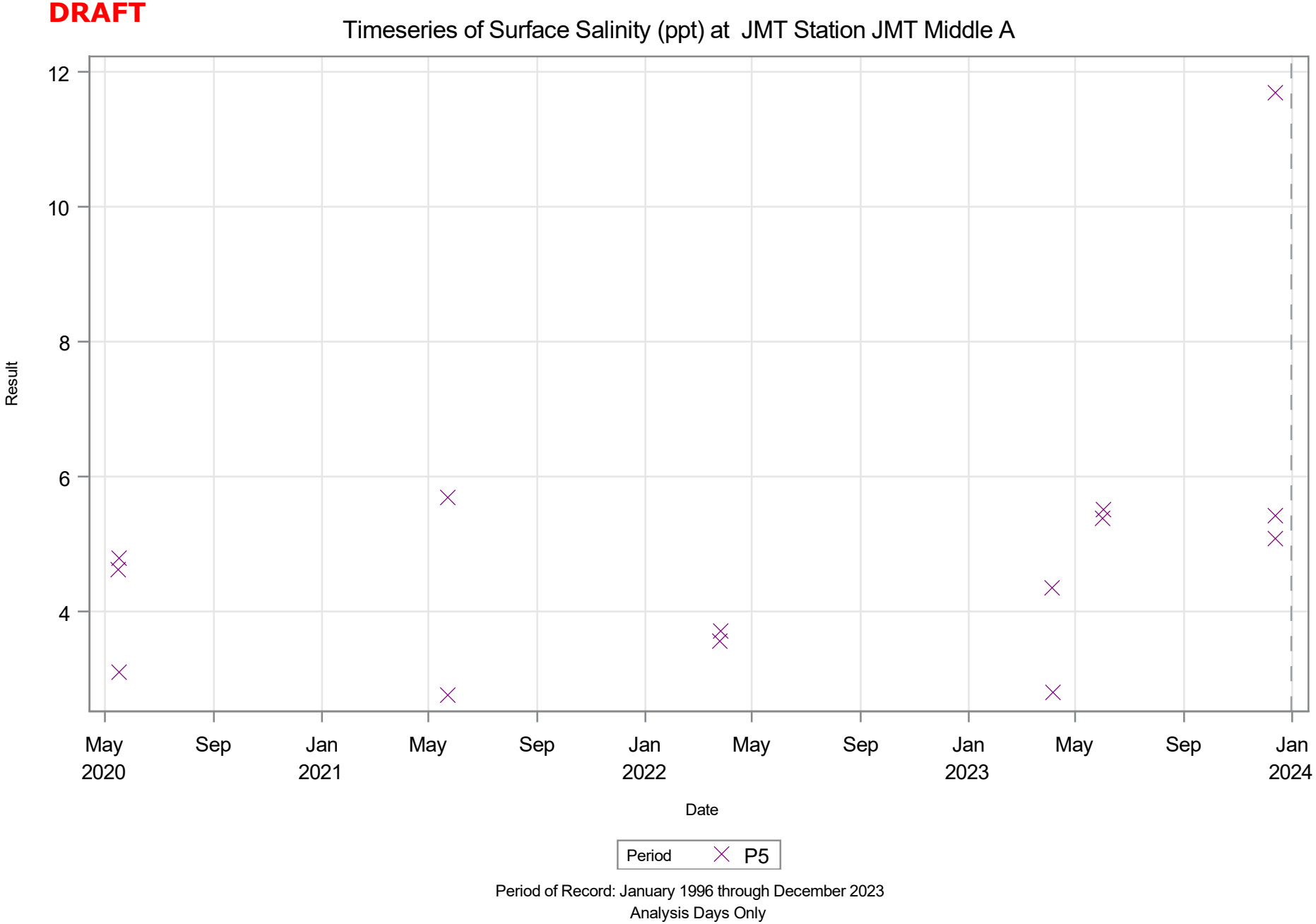
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.91	3.88	6.41	5.35	7.78	13.44

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

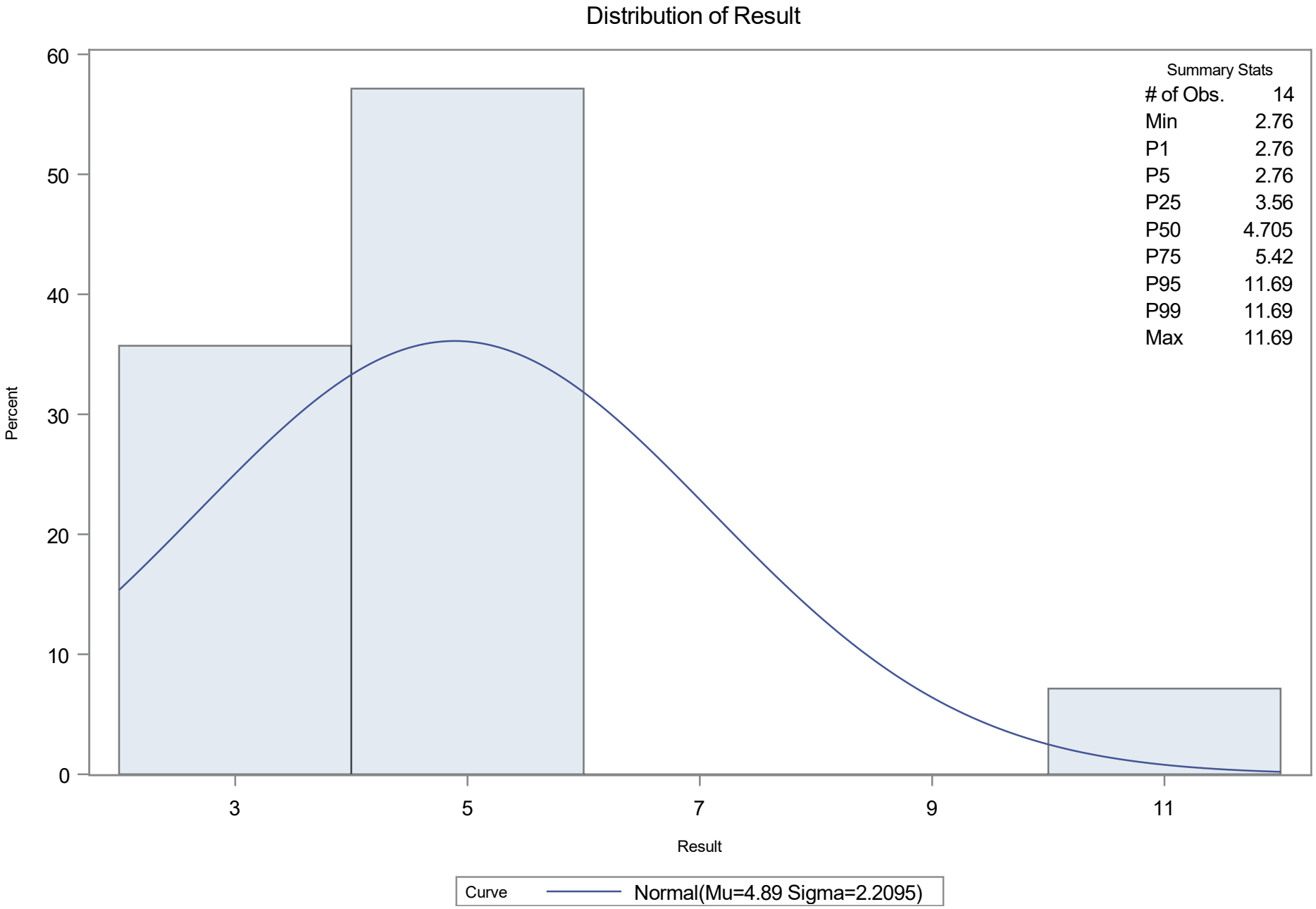

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Middle A
Result
14
12
10
8
6
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Middle A
Result
12
10
8
6
4
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.89
Std Dev	Sigma	2.209532

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28722216	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.17941154	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	1.17745956	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.76000	-0.25014
5.0	2.76000	1.25564
10.0	2.80000	2.05837
25.0	3.56000	3.39969
50.0	4.70500	4.89000
75.0	5.42000	6.38031
90.0	5.69000	7.72163
95.0	11.69000	8.52436
99.0	11.69000	10.03014

Period of Record: January 1996 through December 2023
Analysis Days Only

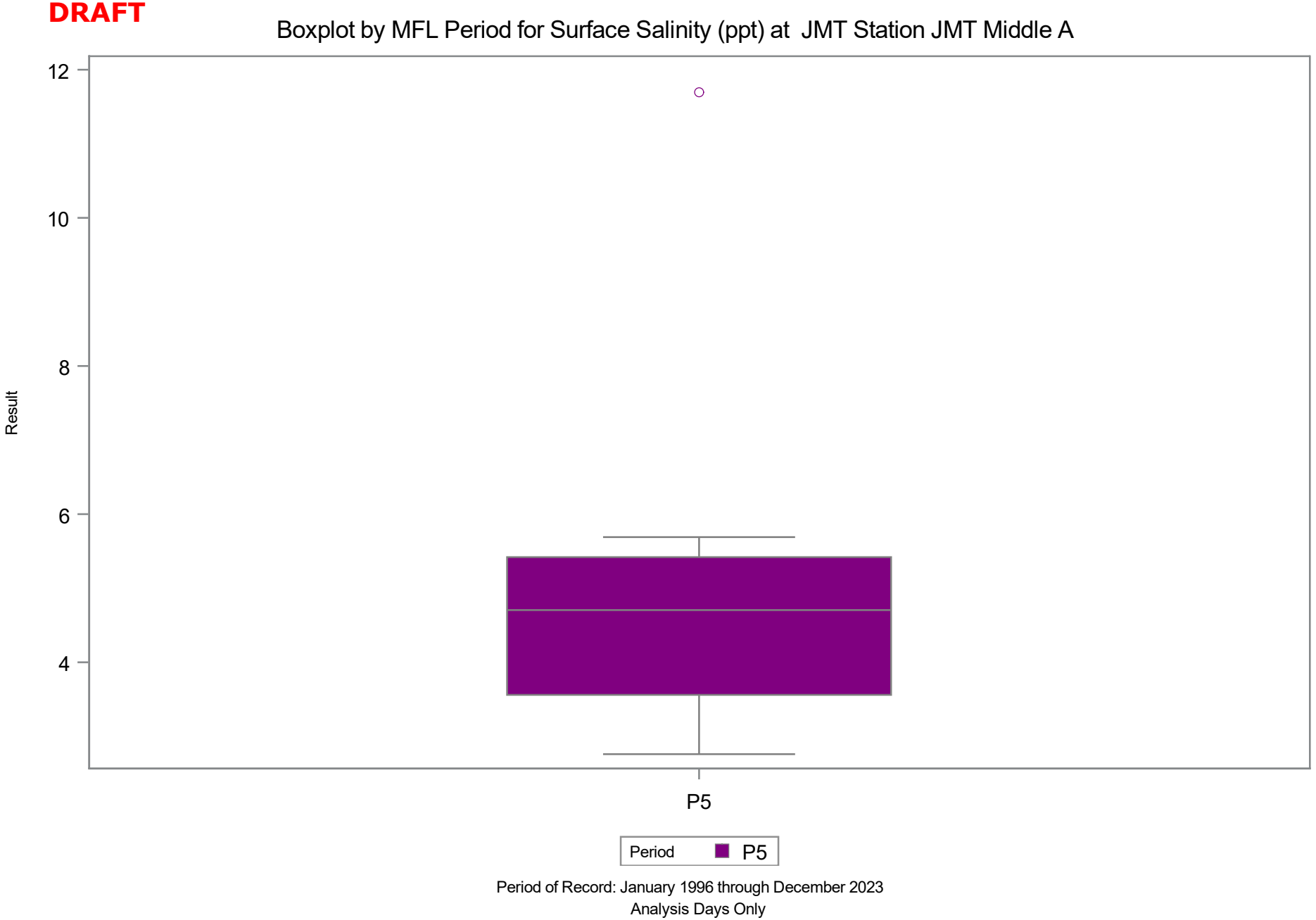
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Middle A

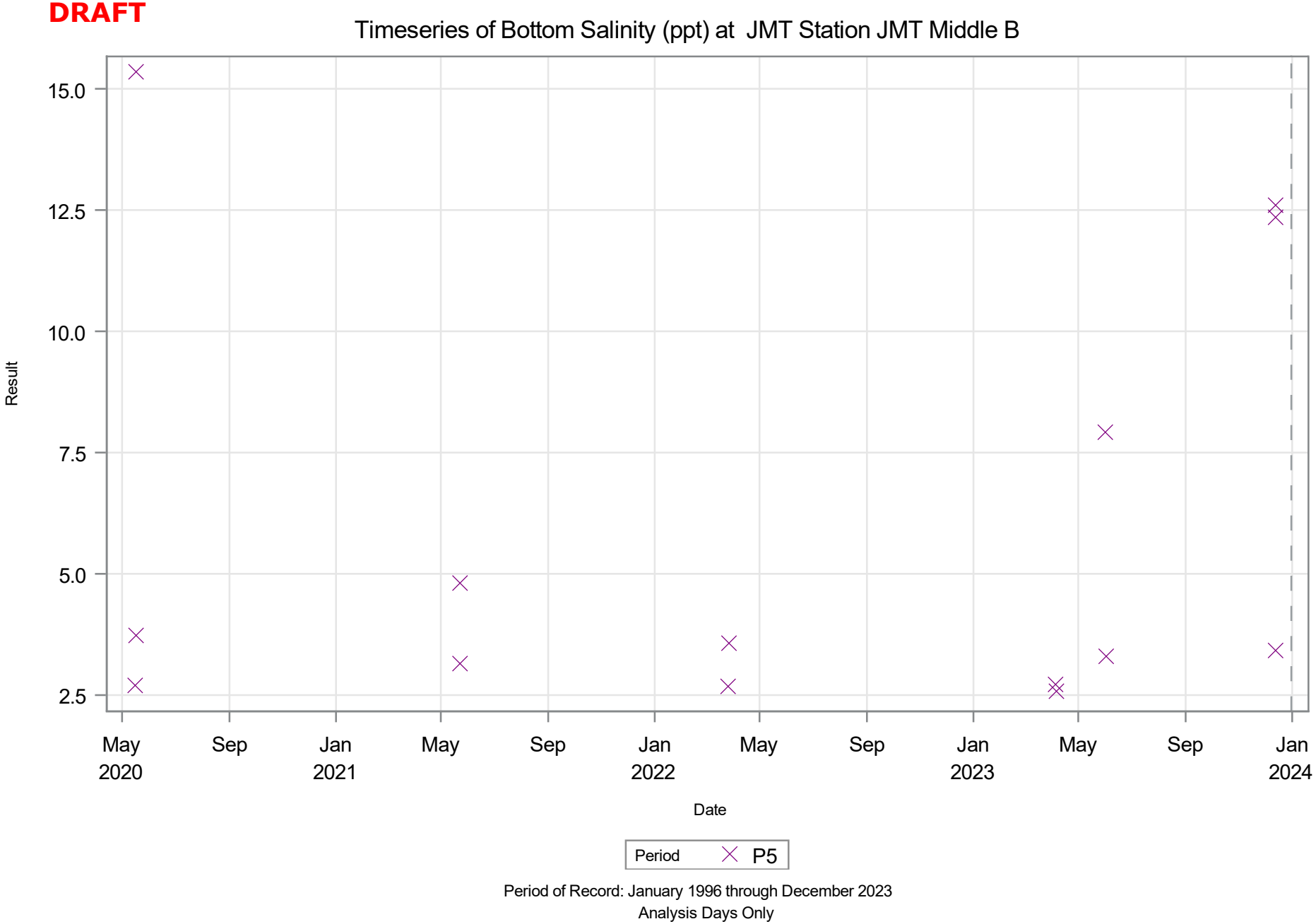
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.76	3.56	4.89	4.71	5.42	11.69

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

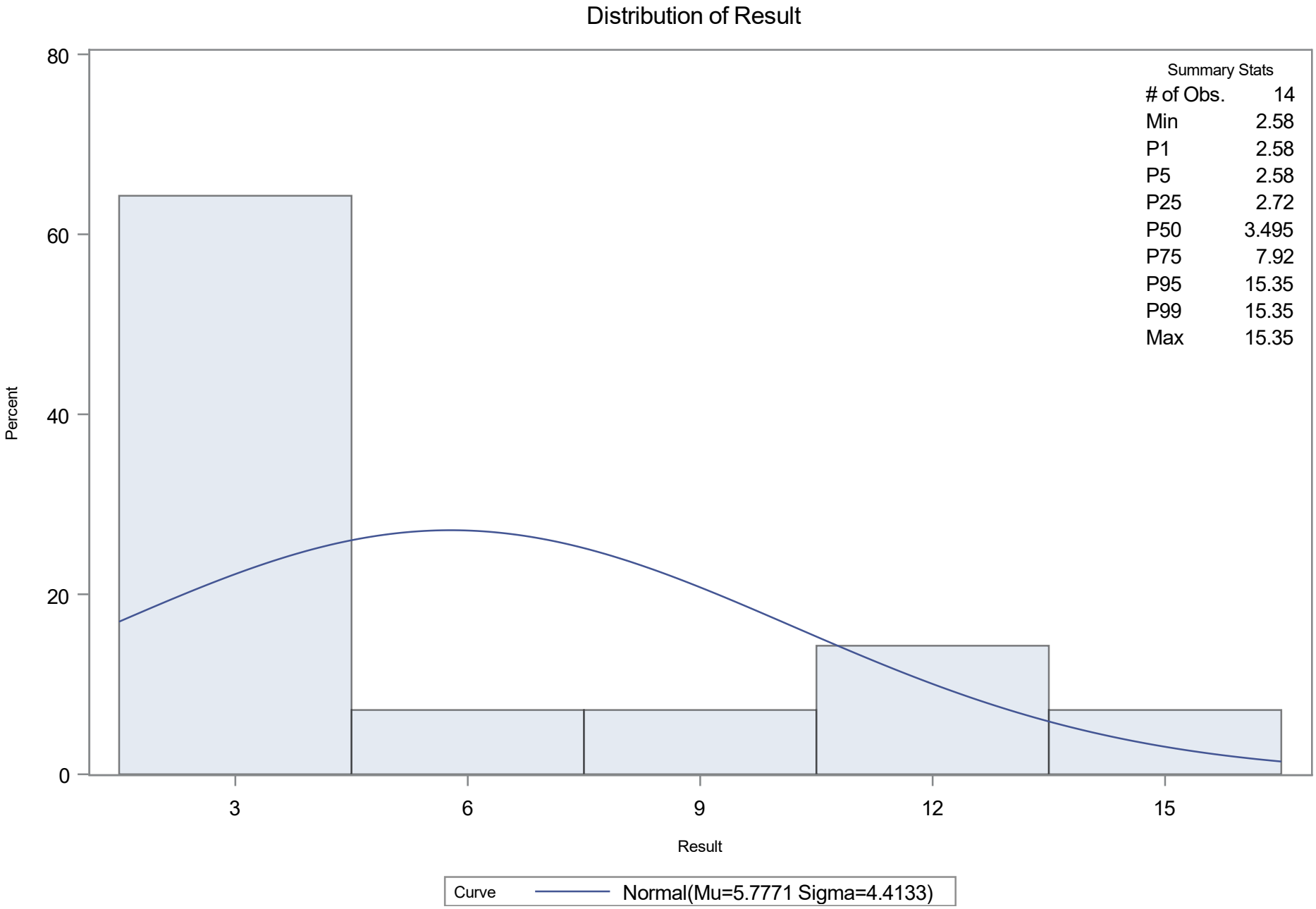

Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Middle A
12
10
8
6
4
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Middle B
Result
15.0
12.5
10.0
7.5
5.0
2.5
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.777143
Std Dev	Sigma	4.41332

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.32148152	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33140439	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.75429236	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.58000	-4.48977
5.0	2.58000	-1.48212
10.0	2.68000	0.12125
25.0	2.72000	2.80040
50.0	3.49500	5.77714
75.0	7.92000	8.75388
90.0	12.60000	11.43304
95.0	15.35000	13.03641
99.0	15.35000	16.04406

Period of Record: January 1996 through December 2023
Analysis Days Only

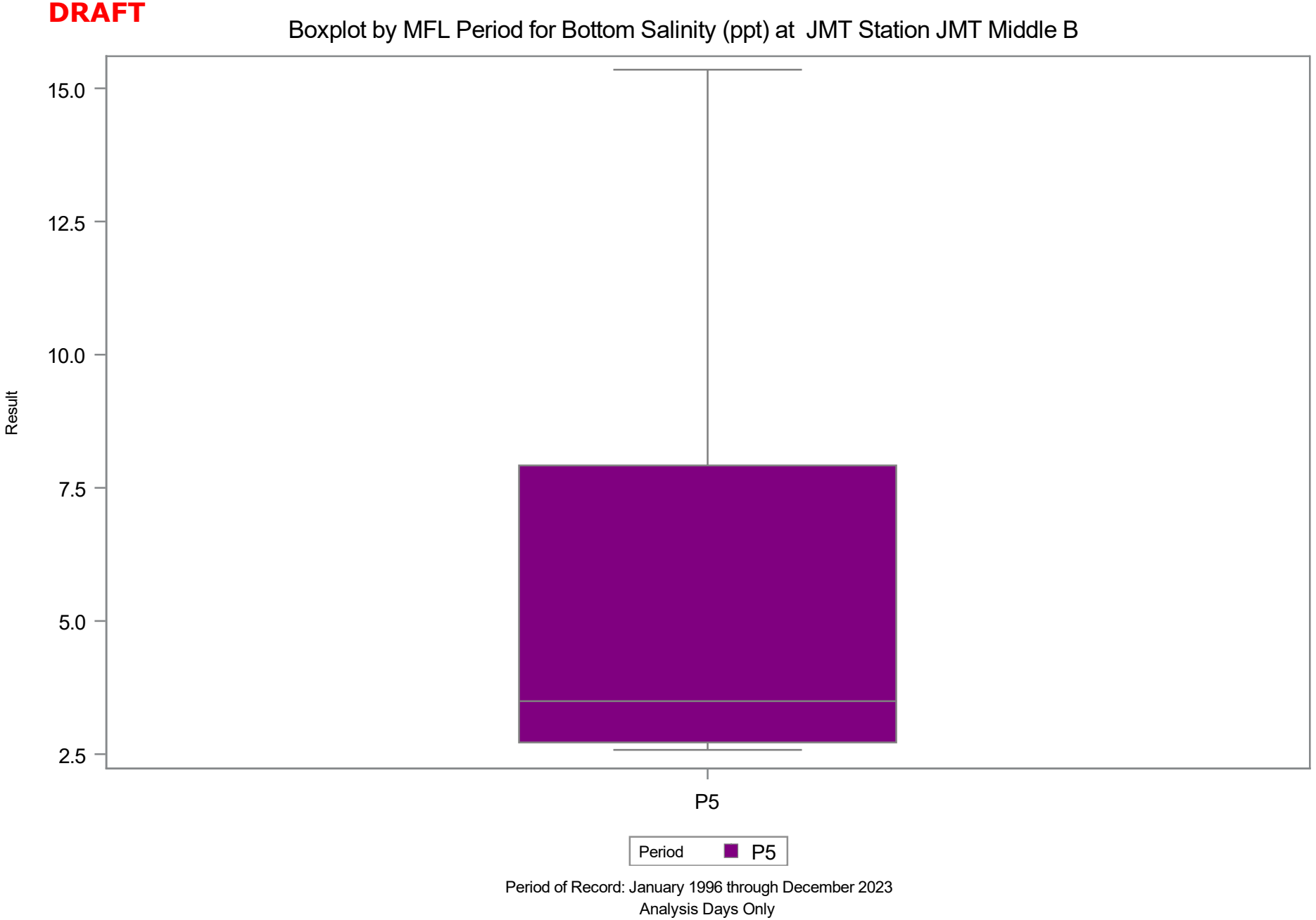
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Middle B

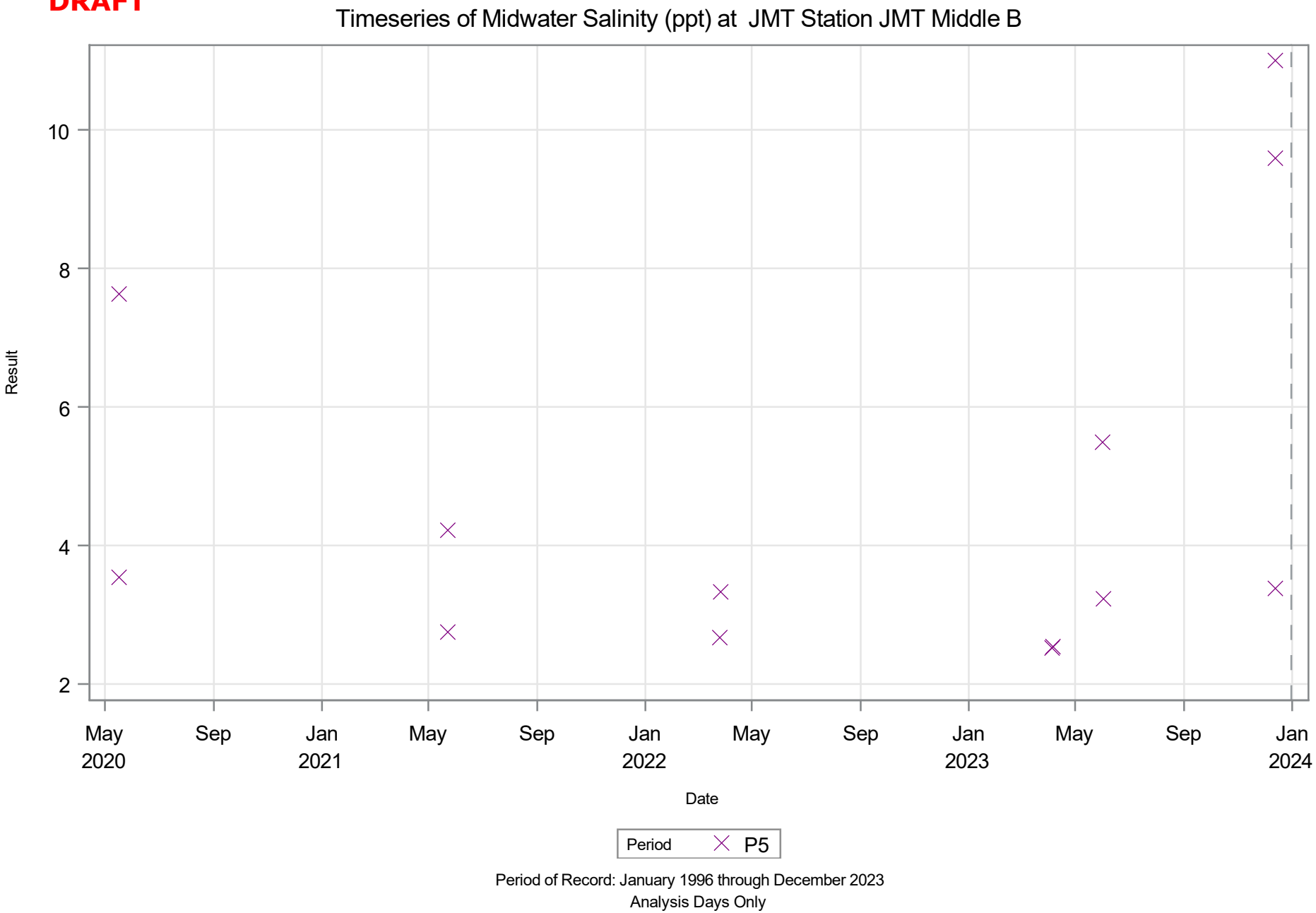
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.58	2.72	5.78	3.50	7.92	15.35

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

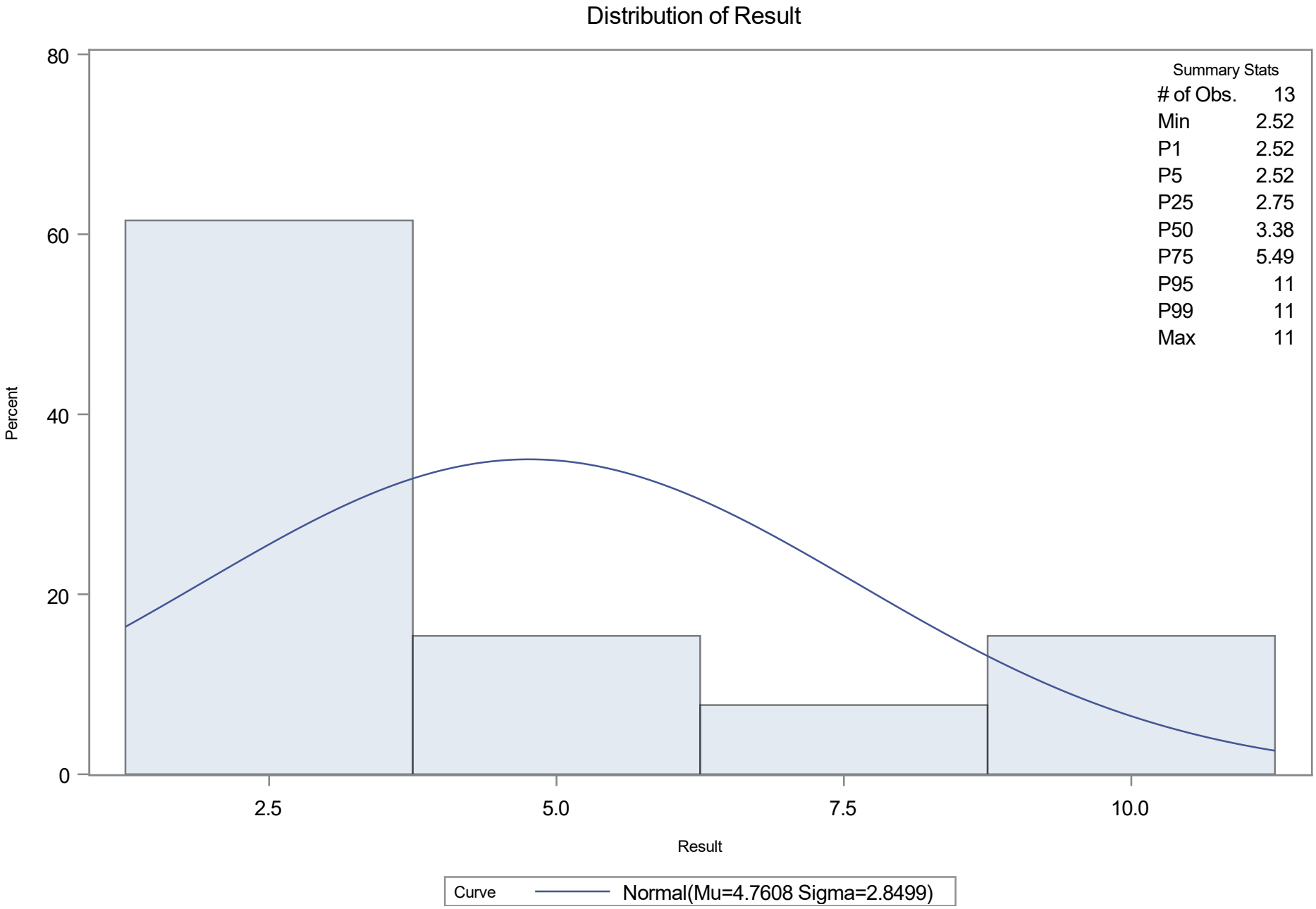

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Middle B
15.0
12.5
10.0
7.5
5.0
2.5
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Middle B
Result
10
8
6
4
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.760769
Std Dev	Sigma	2.849864

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28119029	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.23622682	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.27791568	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.52000	-1.86901
5.0	2.52000	0.07316
10.0	2.54000	1.10852
25.0	2.75000	2.83857
50.0	3.38000	4.76077
75.0	5.49000	6.68297
90.0	9.59000	8.41302
95.0	11.00000	9.44838
99.0	11.00000	11.39054

Period of Record: January 1996 through December 2023
Analysis Days Only

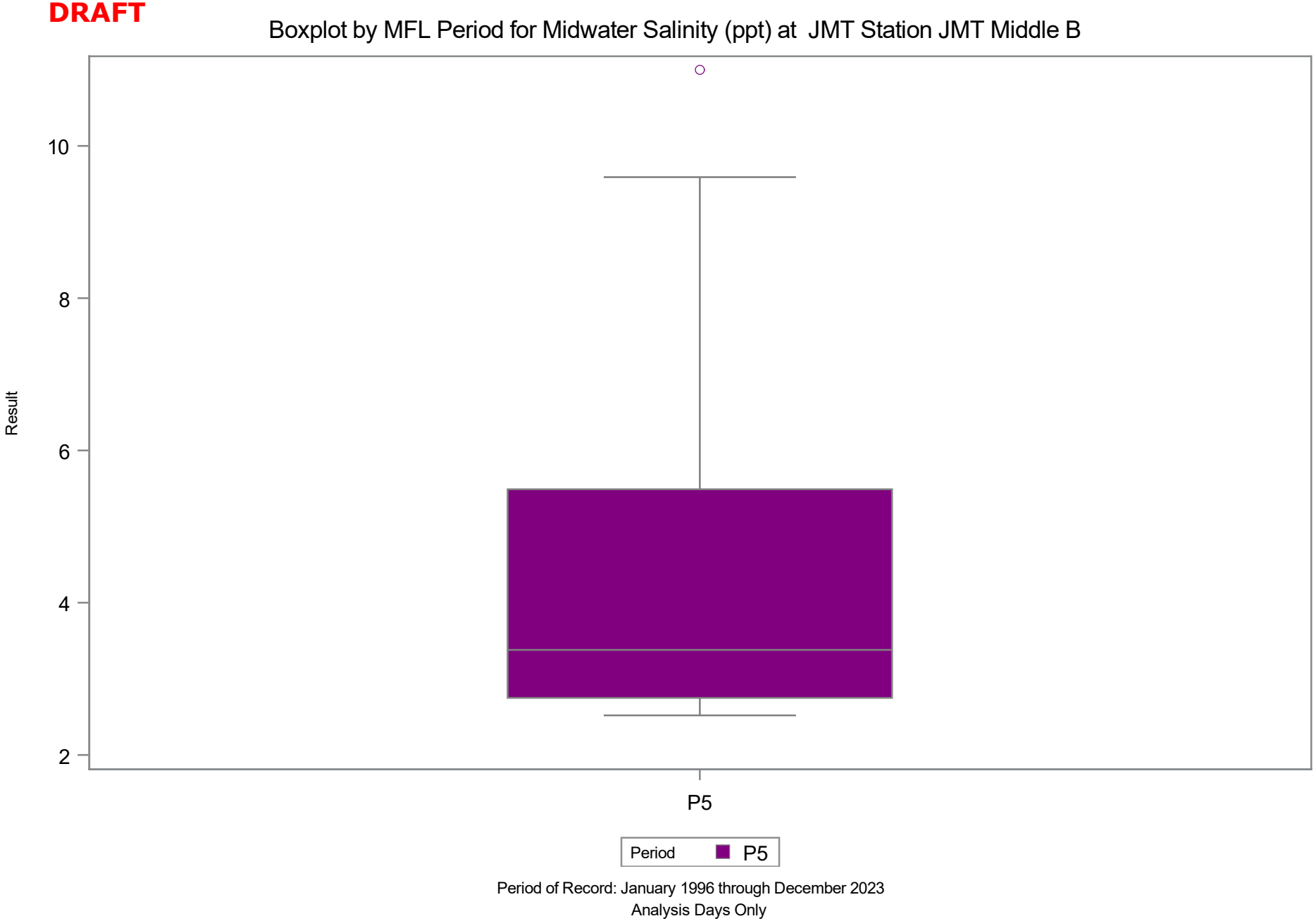
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Middle B

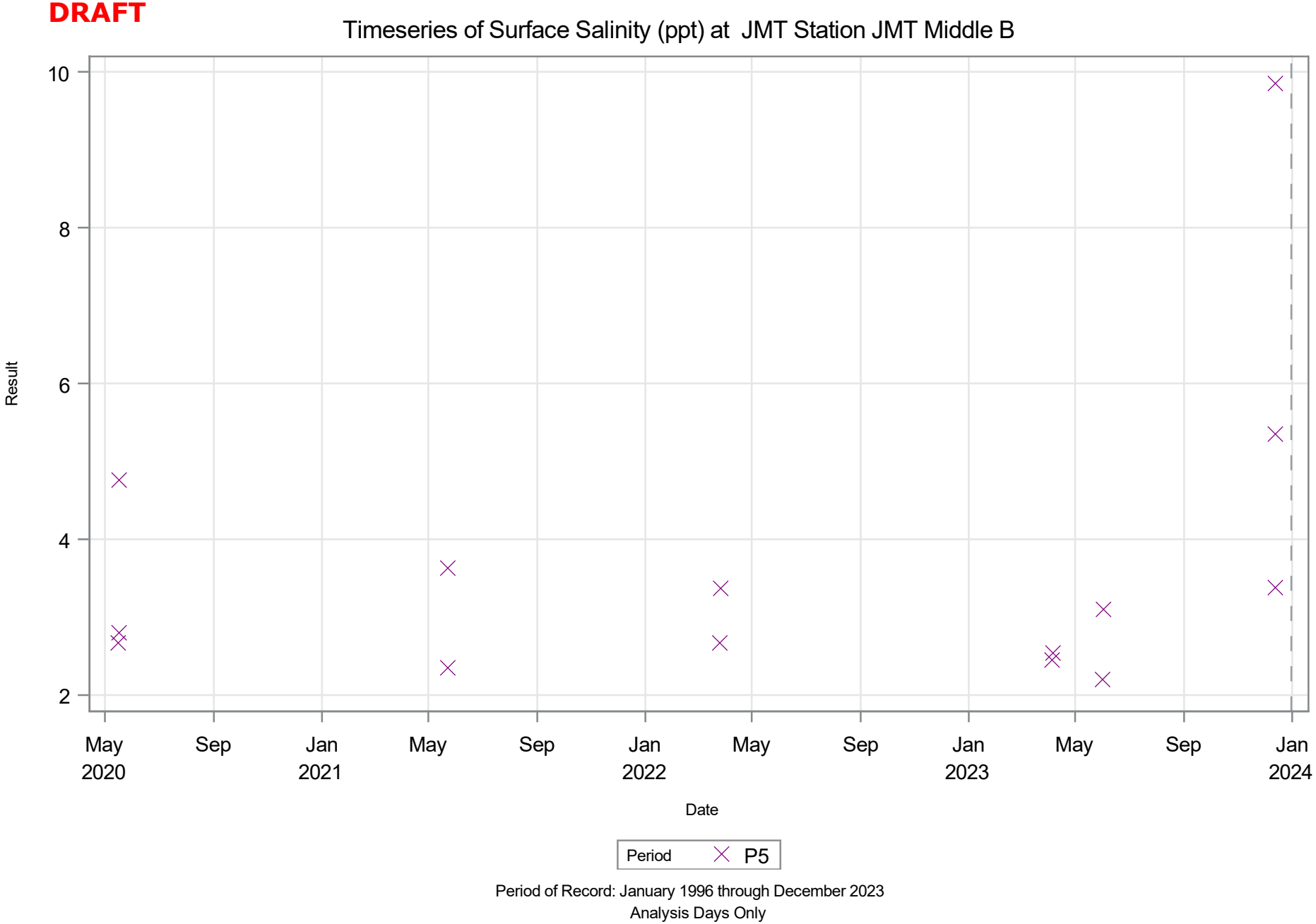
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	2.52	2.75	4.76	3.38	5.49	11.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

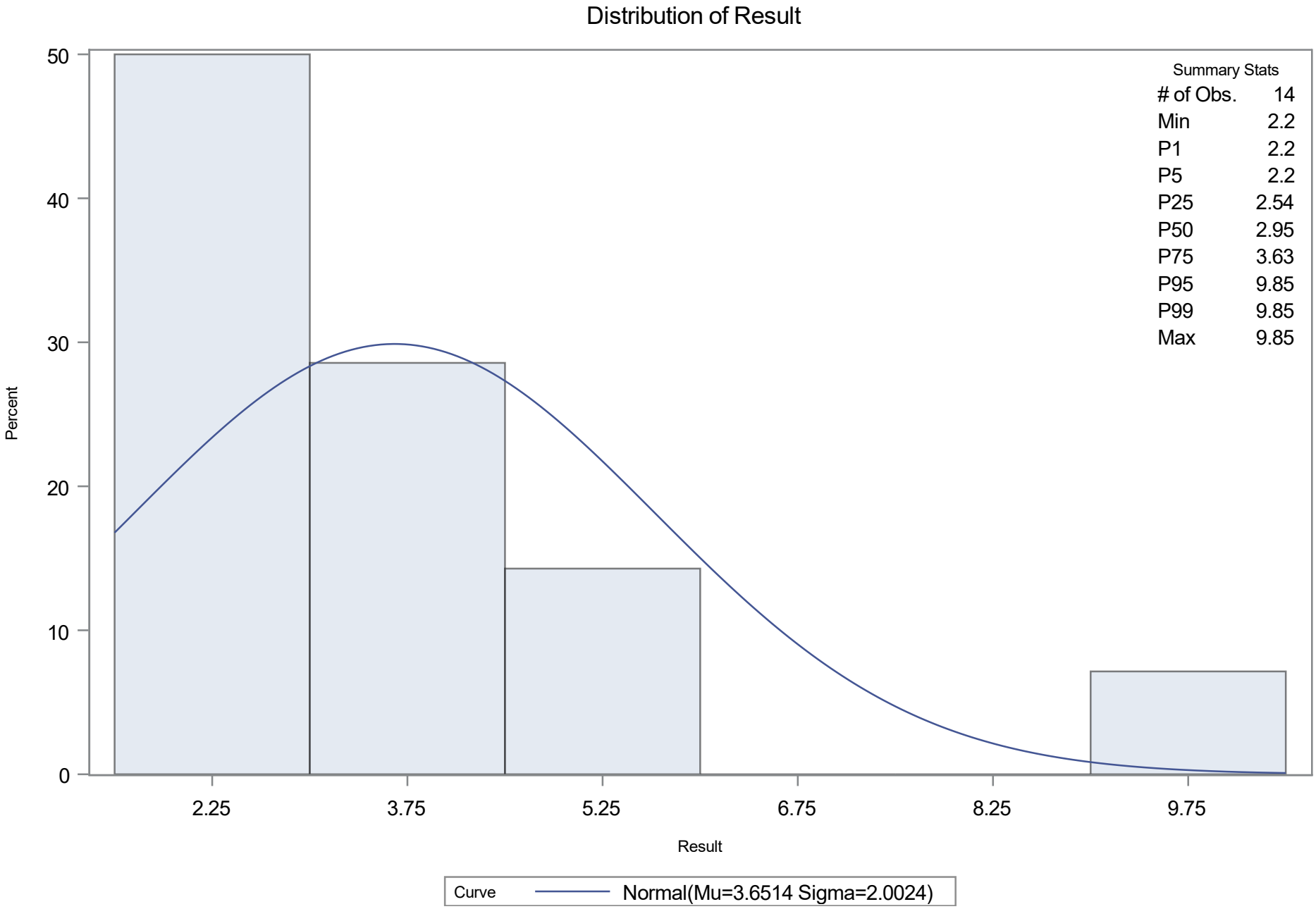

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Middle B
Result
10
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Middle B
Result
10
8
6
4
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.651429
Std Dev	Sigma	2.002386

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28998349	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29001423	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.66597472	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.20000	-1.00682
5.0	2.20000	0.35780
10.0	2.35000	1.08527
25.0	2.54000	2.30084
50.0	2.95000	3.65143
75.0	3.63000	5.00202
90.0	5.35000	6.21759
95.0	9.85000	6.94506
99.0	9.85000	8.30968

Period of Record: January 1996 through December 2023
Analysis Days Only

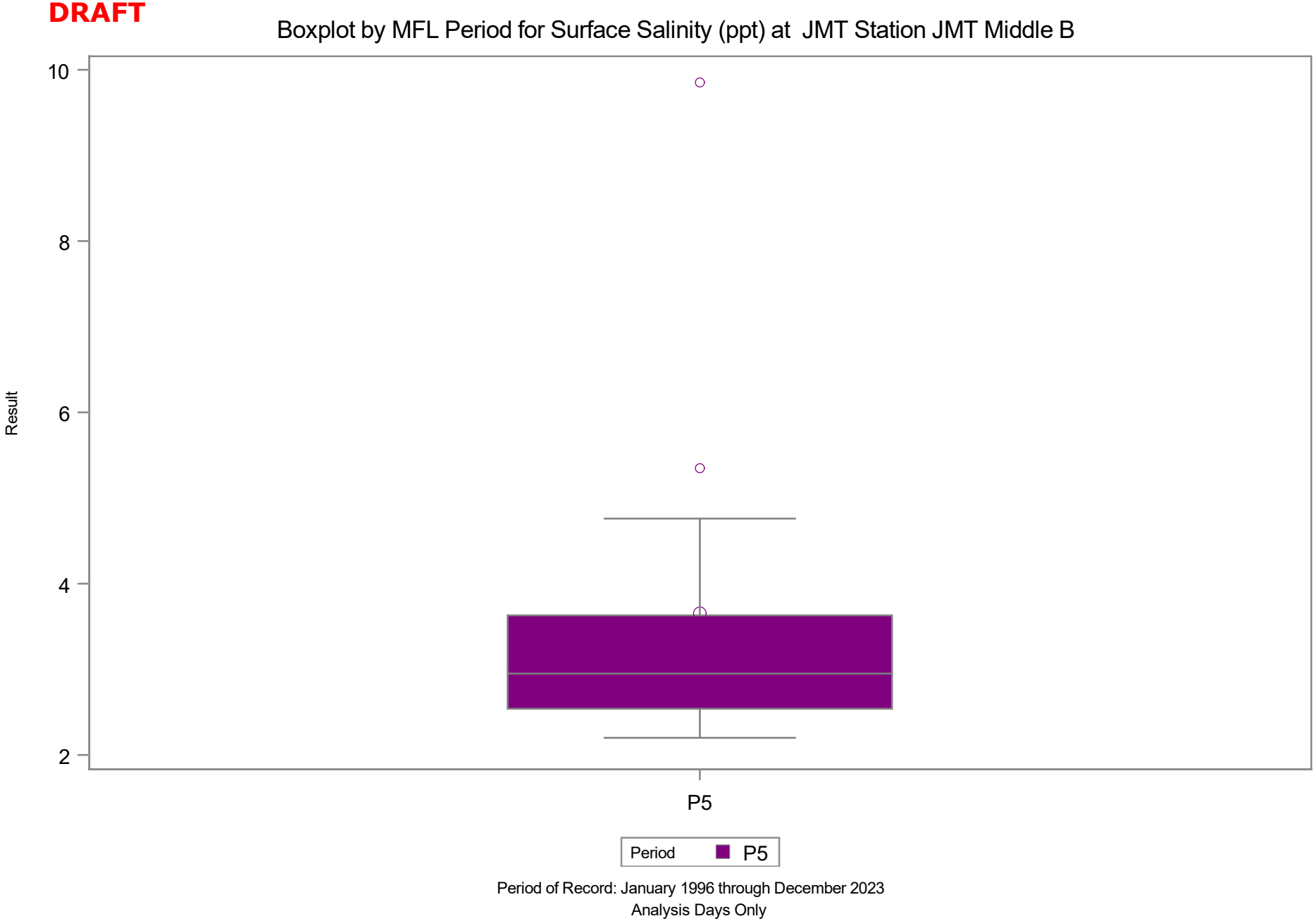
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Middle B

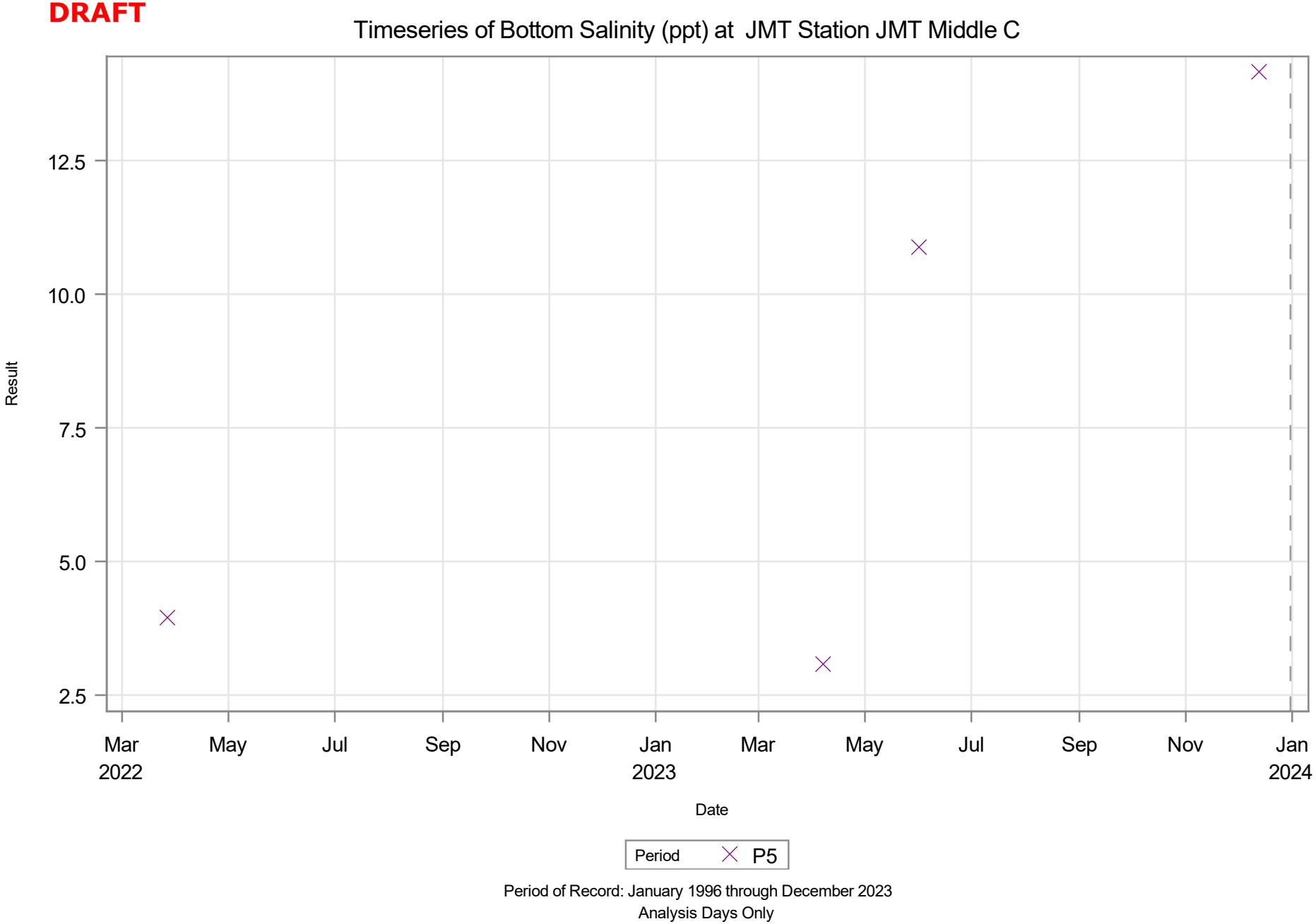
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	2.20	2.54	3.65	2.95	3.63	9.85

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

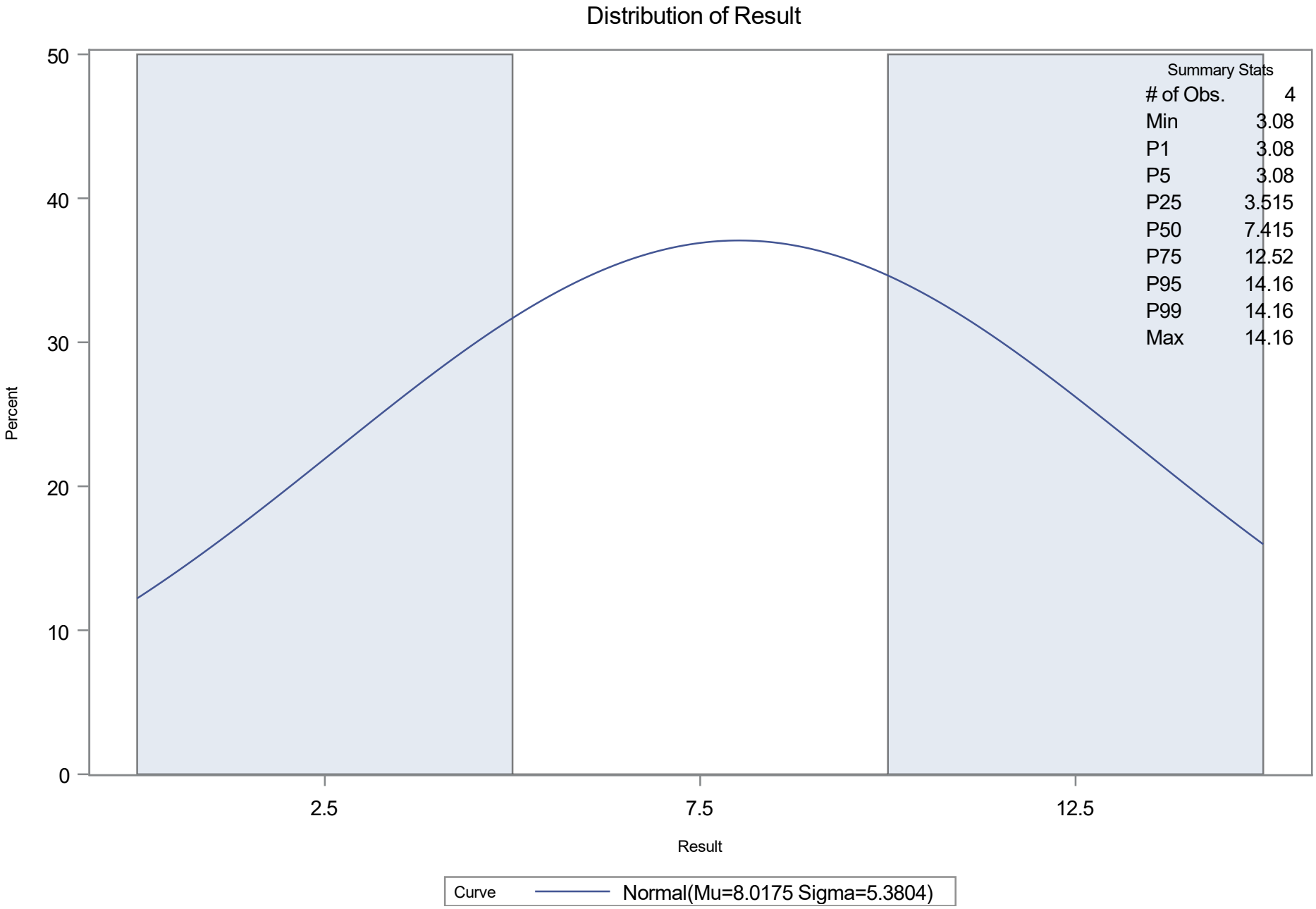

Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Middle B
Result
10
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Middle C
Result
12.5
10.0
7.5
5.0
2.5
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.0175
Std Dev	Sigma	5.380448

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27516877	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05237454	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.31750609	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.08000	-4.49929
5.0	3.08000	-0.83255
10.0	3.08000	1.12218
25.0	3.51500	4.38844
50.0	7.41500	8.01750
75.0	12.52000	11.64656
90.0	14.16000	14.91282
95.0	14.16000	16.86755
99.0	14.16000	20.53429

Period of Record: January 1996 through December 2023
Analysis Days Only

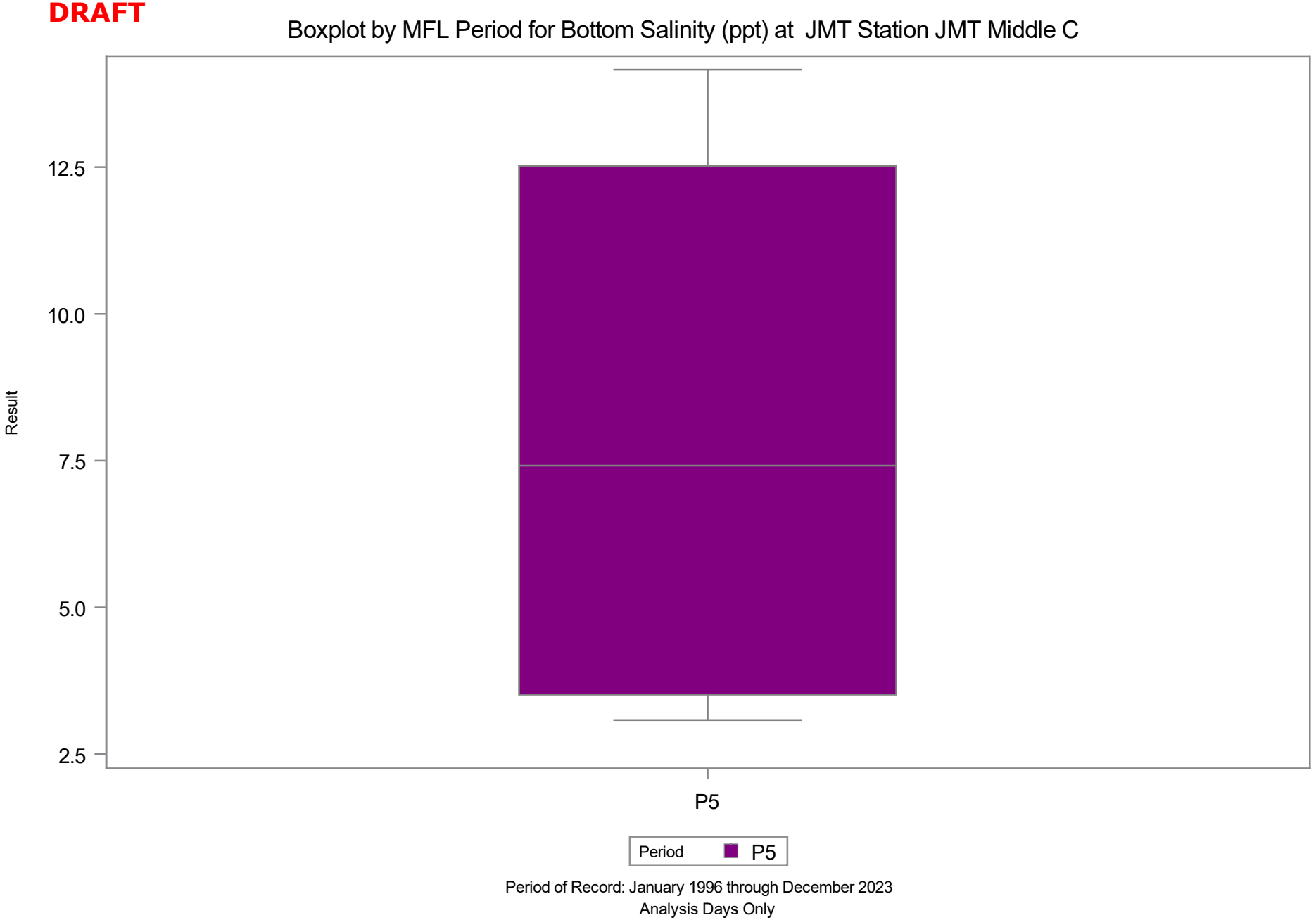
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Middle C

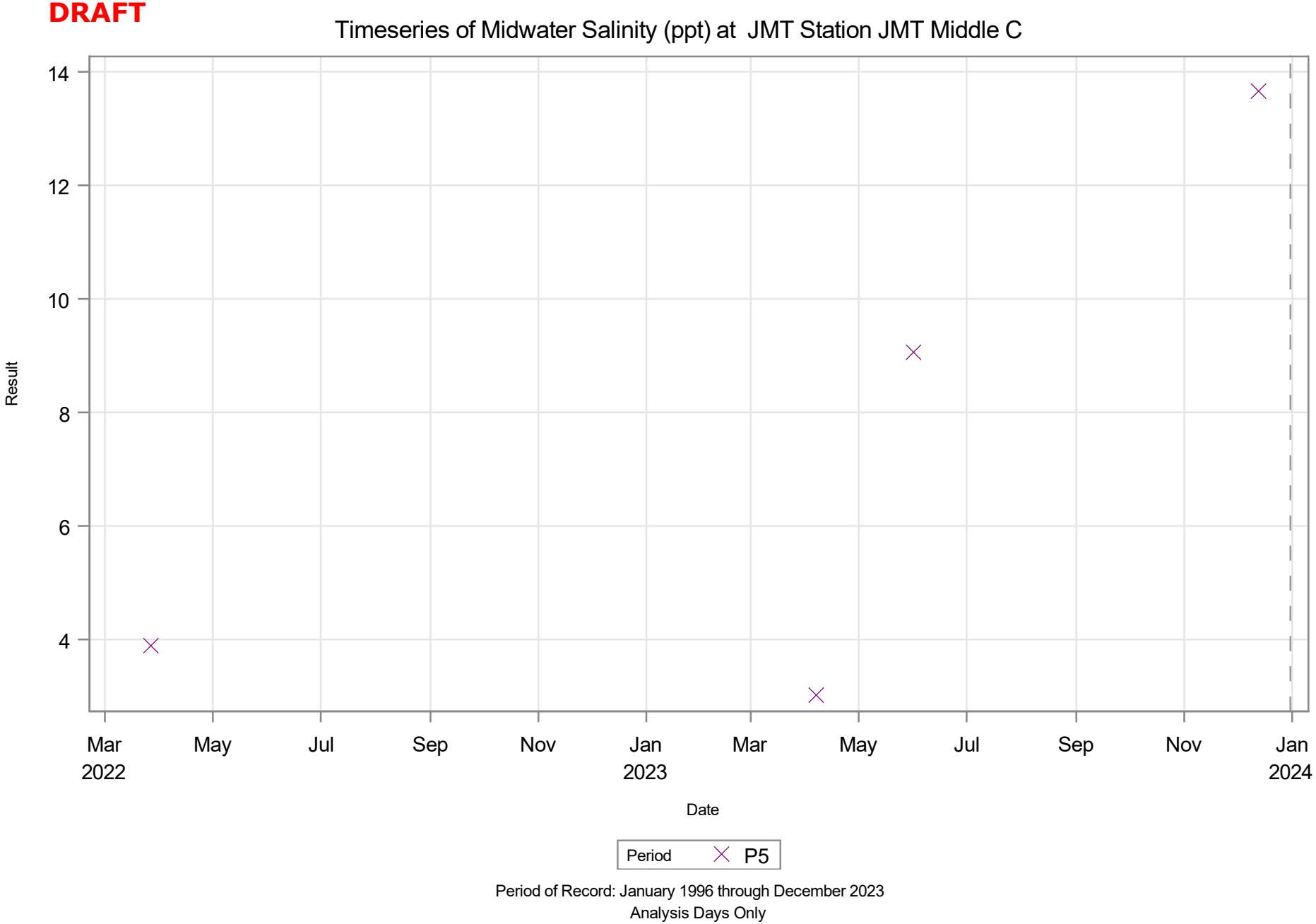
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	3.08	3.52	8.02	7.42	12.52	14.16

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

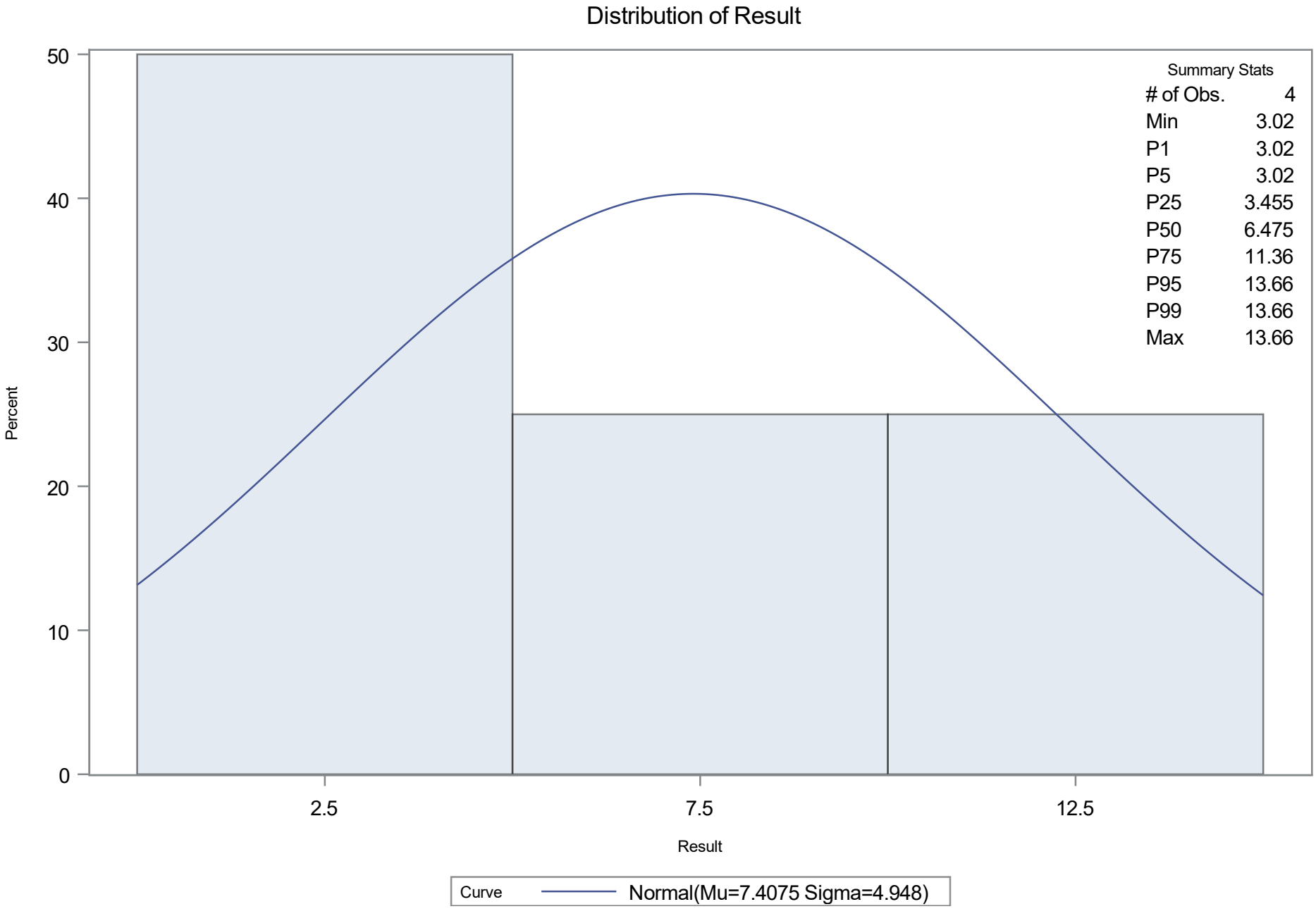

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Middle C
Result
12.5
10.0
7.5
5.0
2.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Middle C
Result
14
12
10
8
6
4
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.4075
Std Dev	Sigma	4.947979

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26142577	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04387558	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27913203	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.02000	-4.10322
5.0	3.02000	-0.73120
10.0	3.02000	1.06641
25.0	3.45500	4.07014
50.0	6.47500	7.40750
75.0	11.36000	10.74486
90.0	13.66000	13.74859
95.0	13.66000	15.54620
99.0	13.66000	18.91822

Period of Record: January 1996 through December 2023
Analysis Days Only

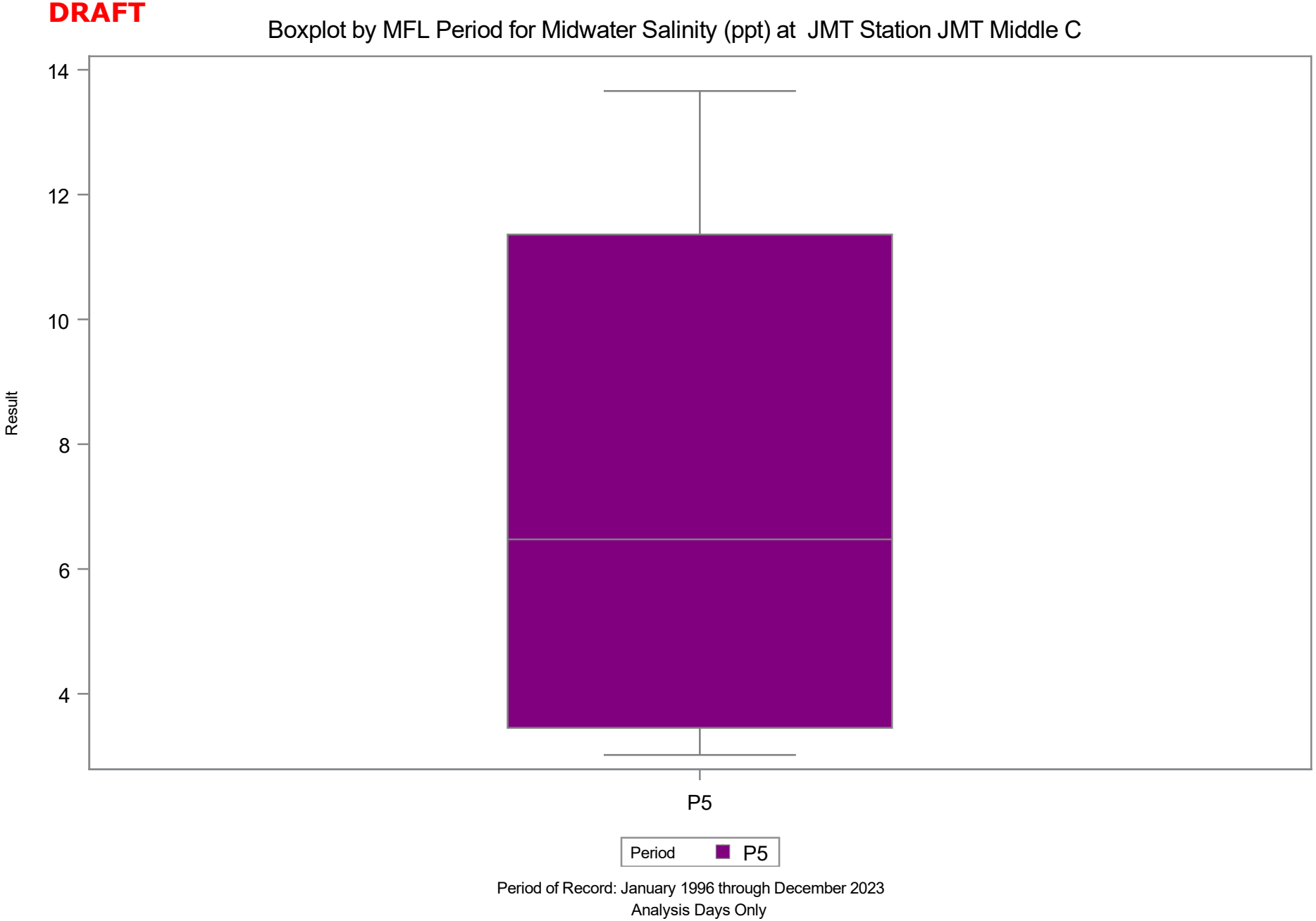
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Middle C

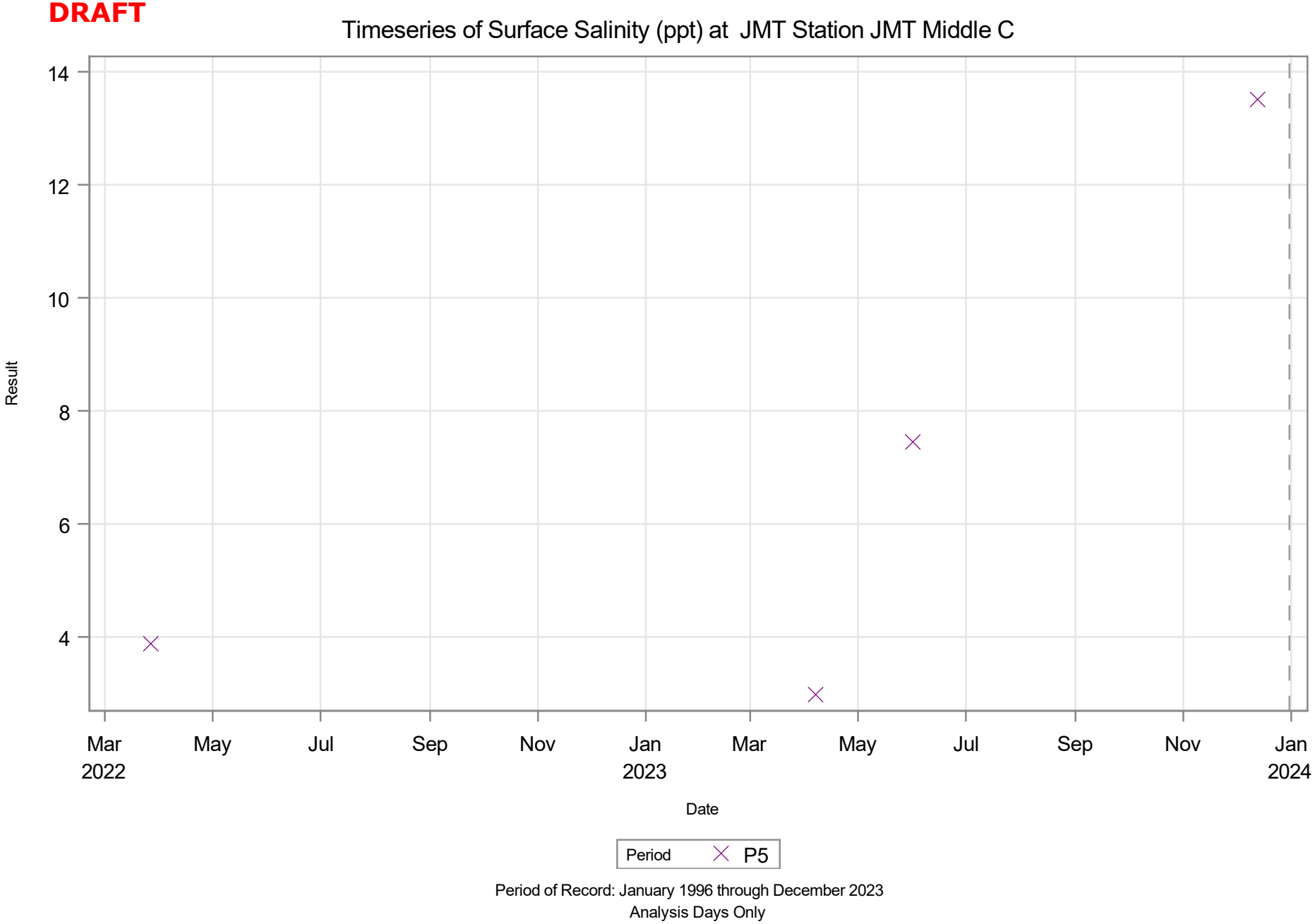
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	3.02	3.46	7.41	6.48	11.36	13.66

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

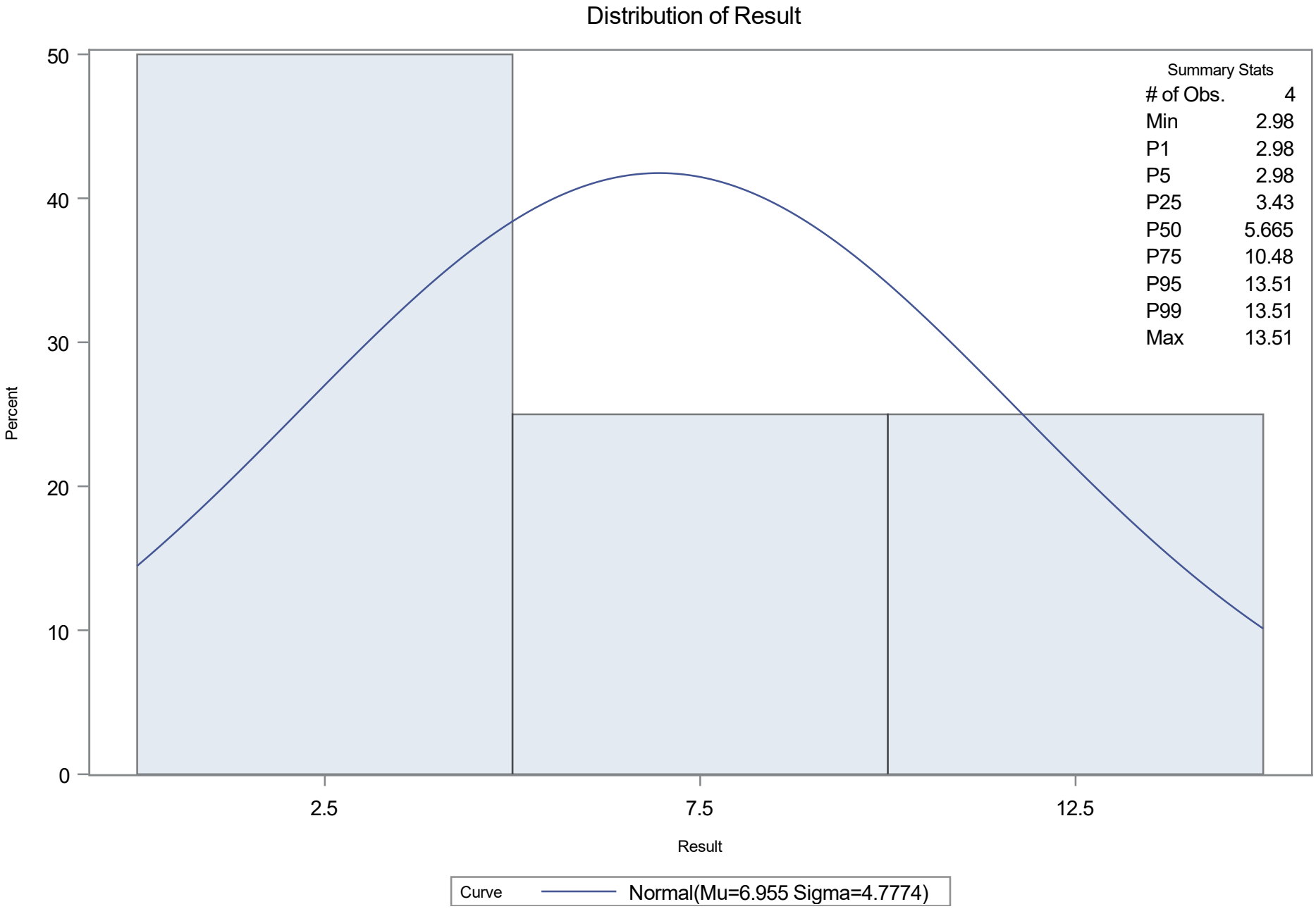

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Middle C
Result
14
12
10
8
6
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Middle C
Result
14
12
10
8
6
4
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.955
Std Dev	Sigma	4.777353

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24010265	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04872844	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30570999	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.98000	-4.15878
5.0	2.98000	-0.90305
10.0	2.98000	0.83258
25.0	3.43000	3.73272
50.0	5.66500	6.95500
75.0	10.48000	10.17728
90.0	13.51000	13.07742
95.0	13.51000	14.81305
99.0	13.51000	18.06878

Period of Record: January 1996 through December 2023
Analysis Days Only

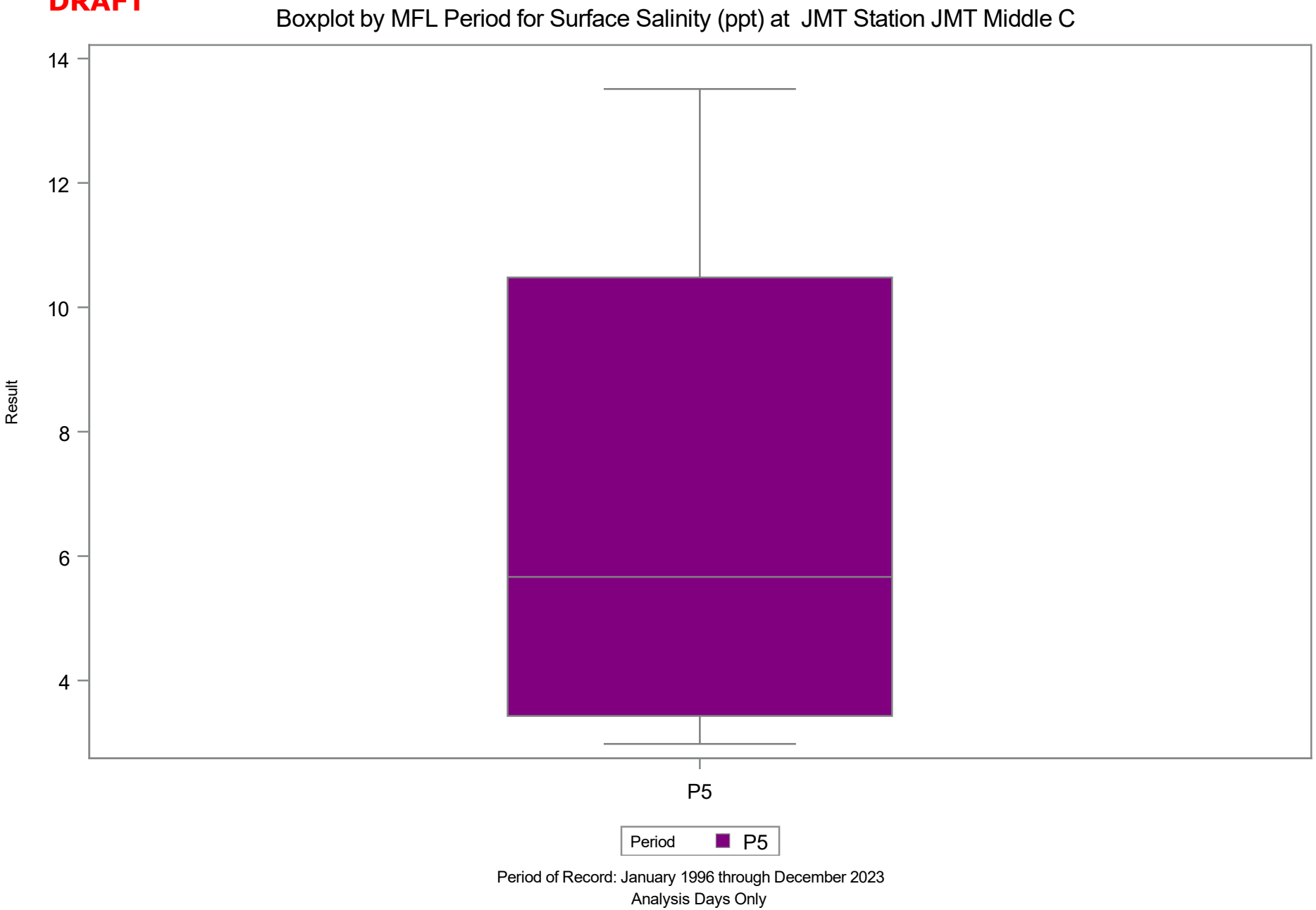
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Middle C

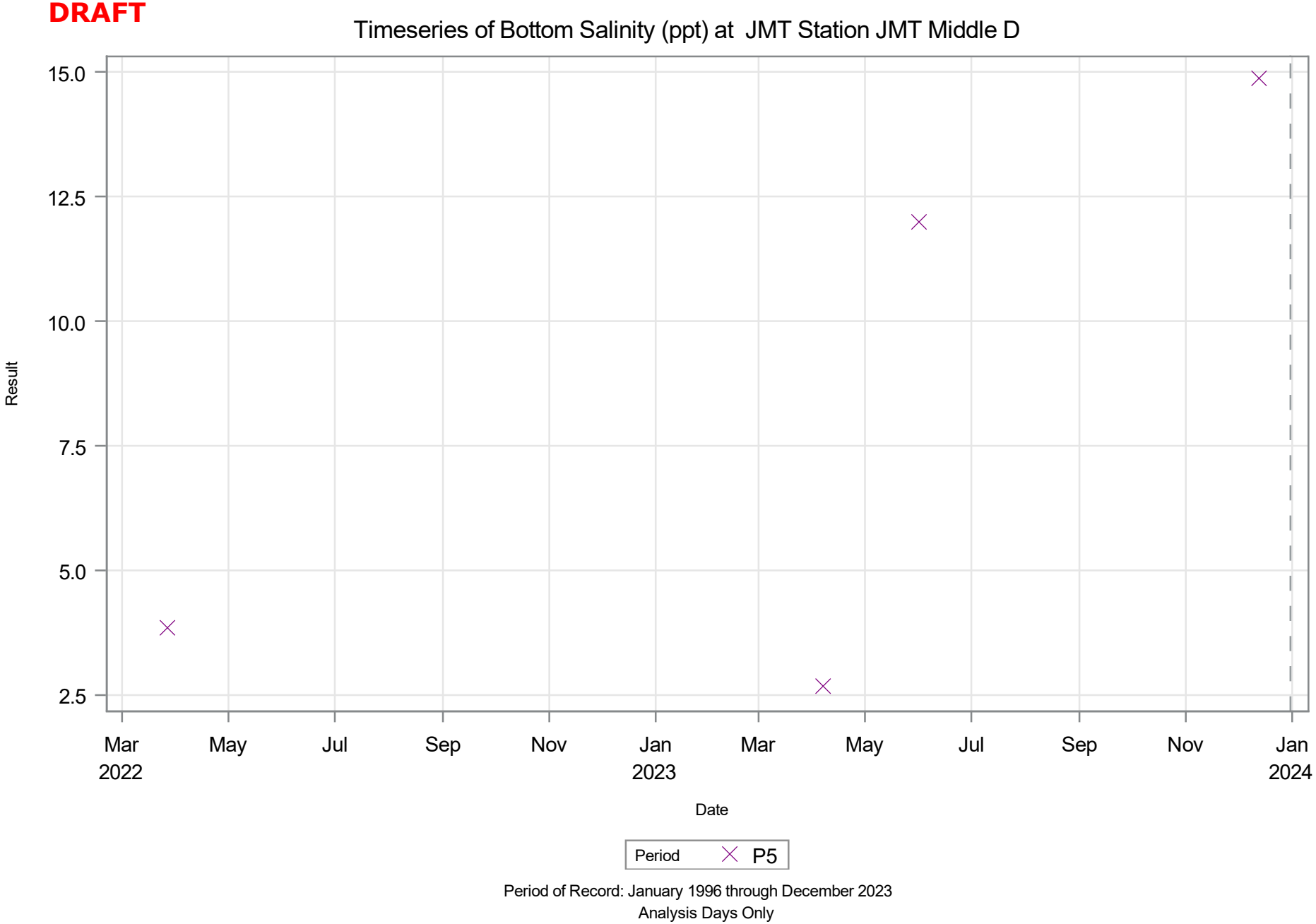
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	2.98	3.43	6.96	5.67	10.48	13.51

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

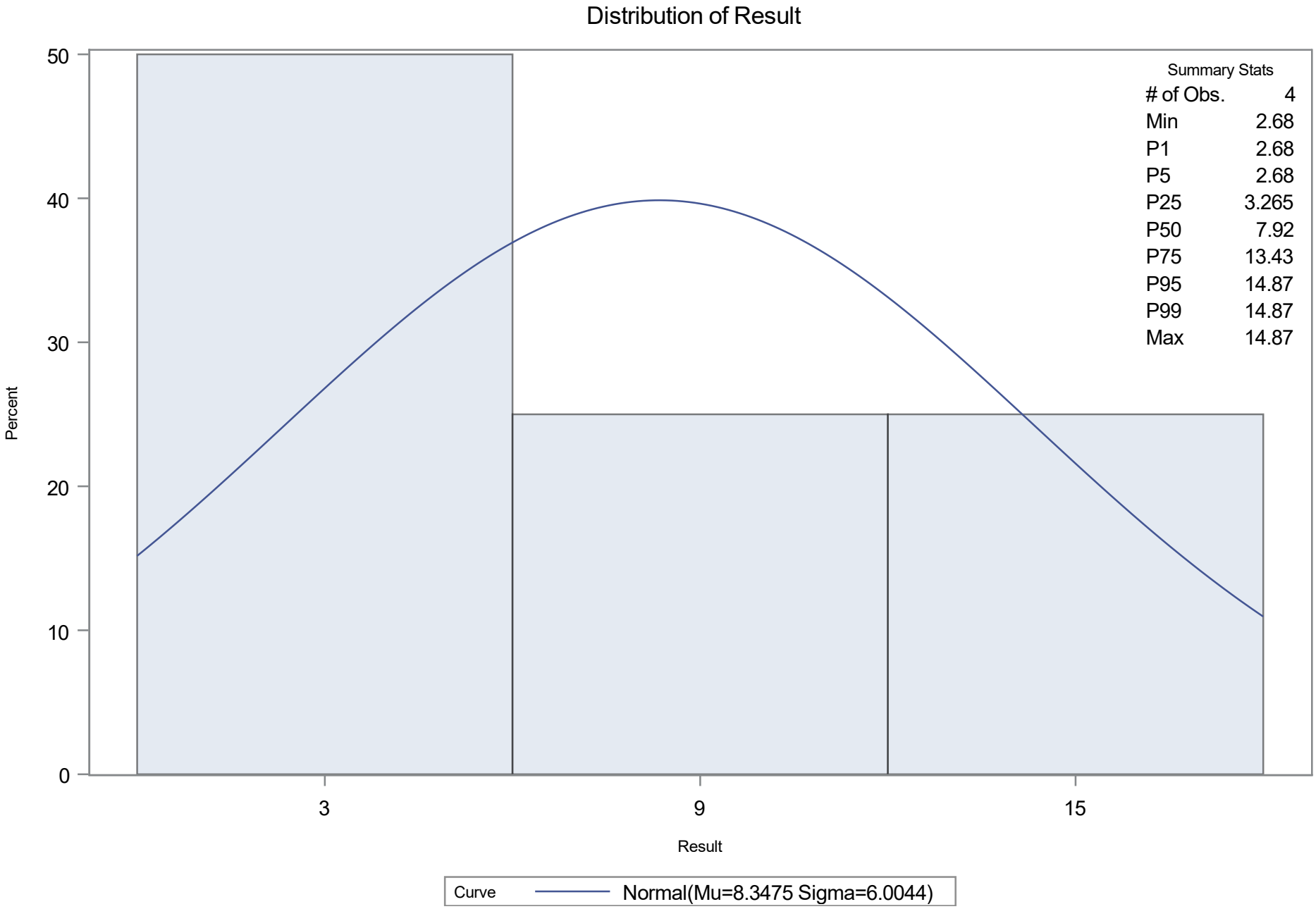

Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Middle C
Result
14
12
10
8
6
4
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Middle D
15.0
12.5
10.0
7.5
5.0
2.5
Result
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.3475
Std Dev	Sigma	6.004412

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27308122	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05581500	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33324381	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.68000	-5.62085
5.0	2.68000	-1.52888
10.0	2.68000	0.65254
25.0	3.26500	4.29759
50.0	7.92000	8.34750
75.0	13.43000	12.39741
90.0	14.87000	16.04246
95.0	14.87000	18.22388
99.0	14.87000	22.31585

Period of Record: January 1996 through December 2023
Analysis Days Only

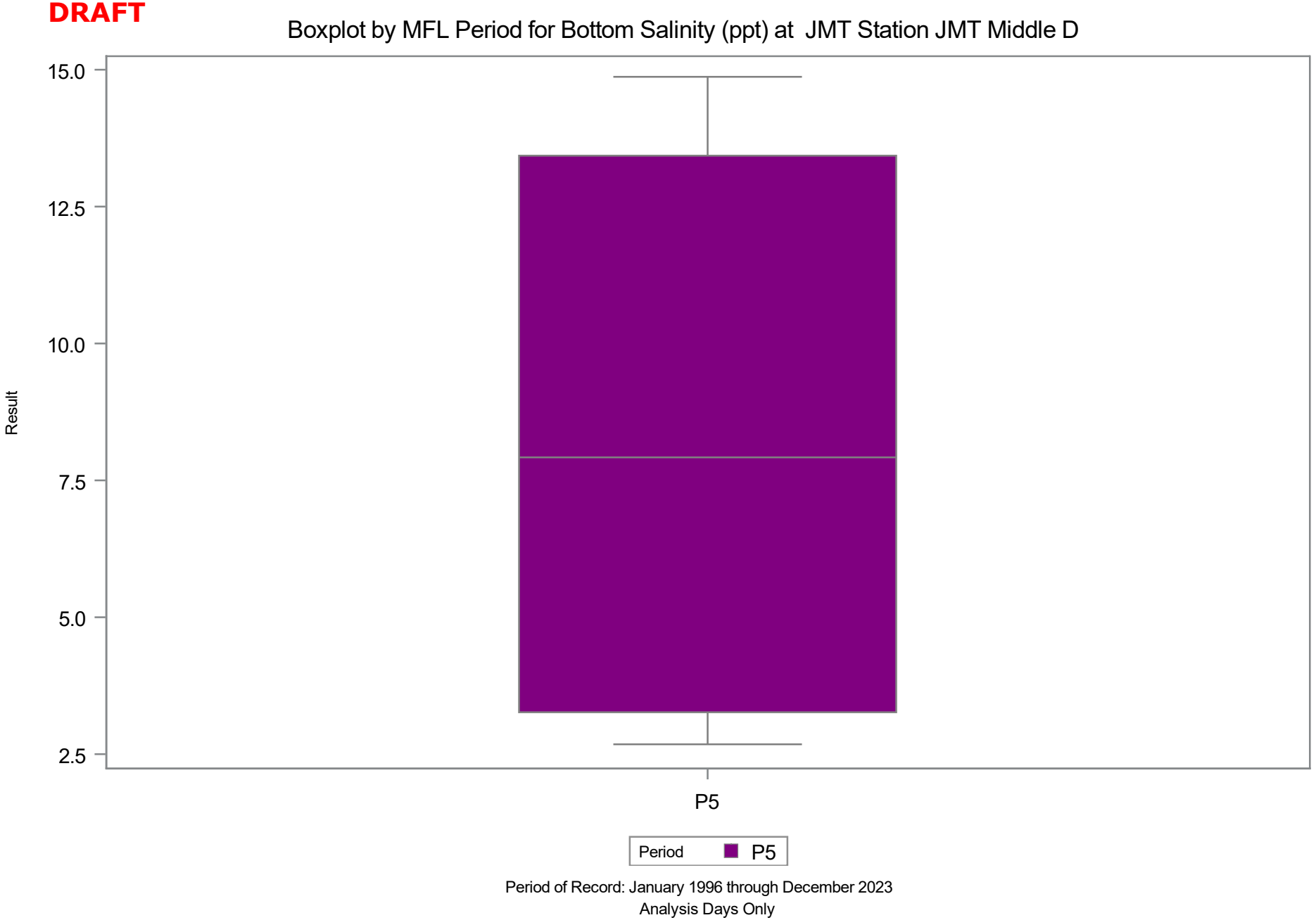
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Middle D

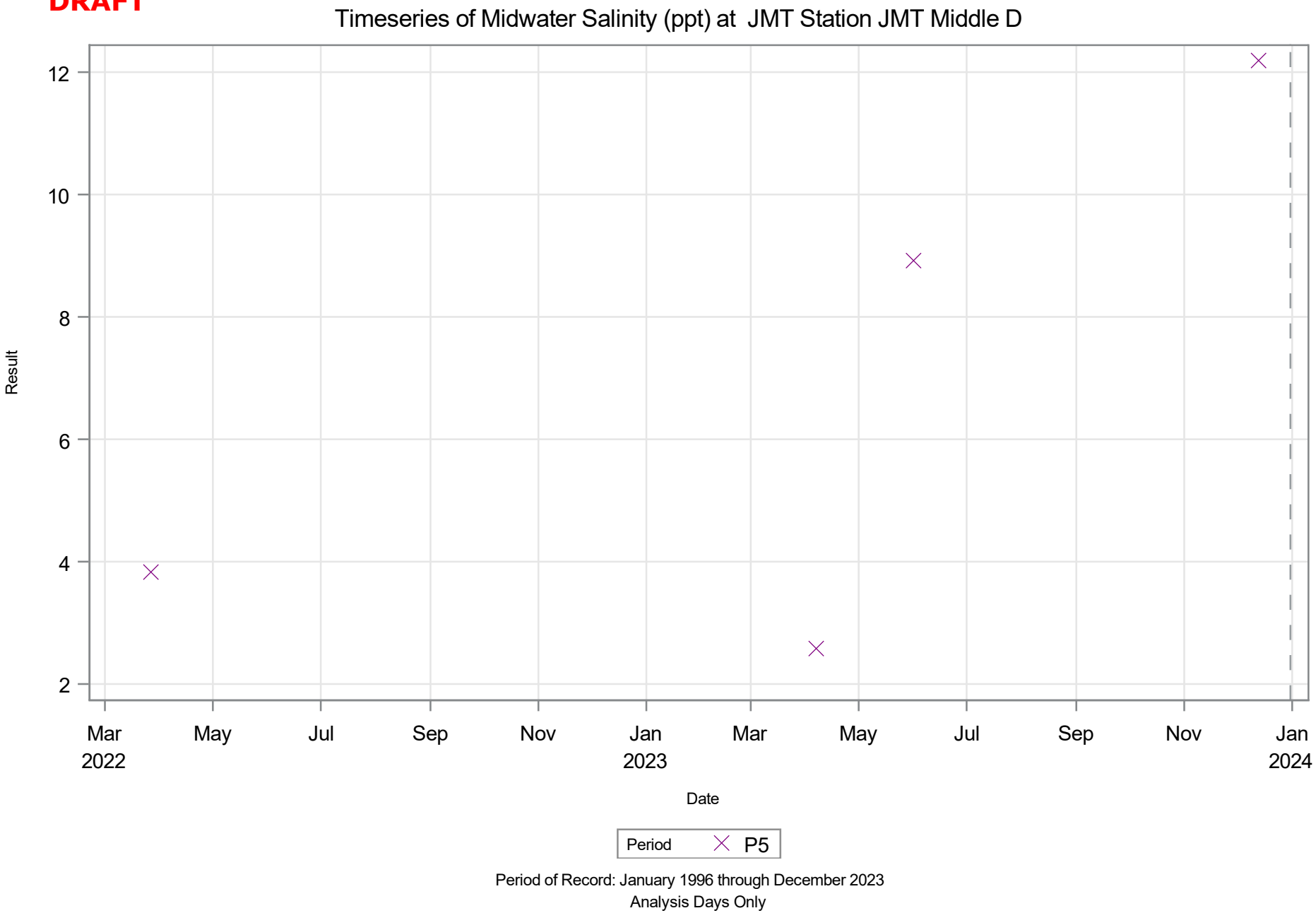
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	2.68	3.27	8.35	7.92	13.43	14.87

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Middle D
15.0
12.5
10.0
7.5
5.0
2.5
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

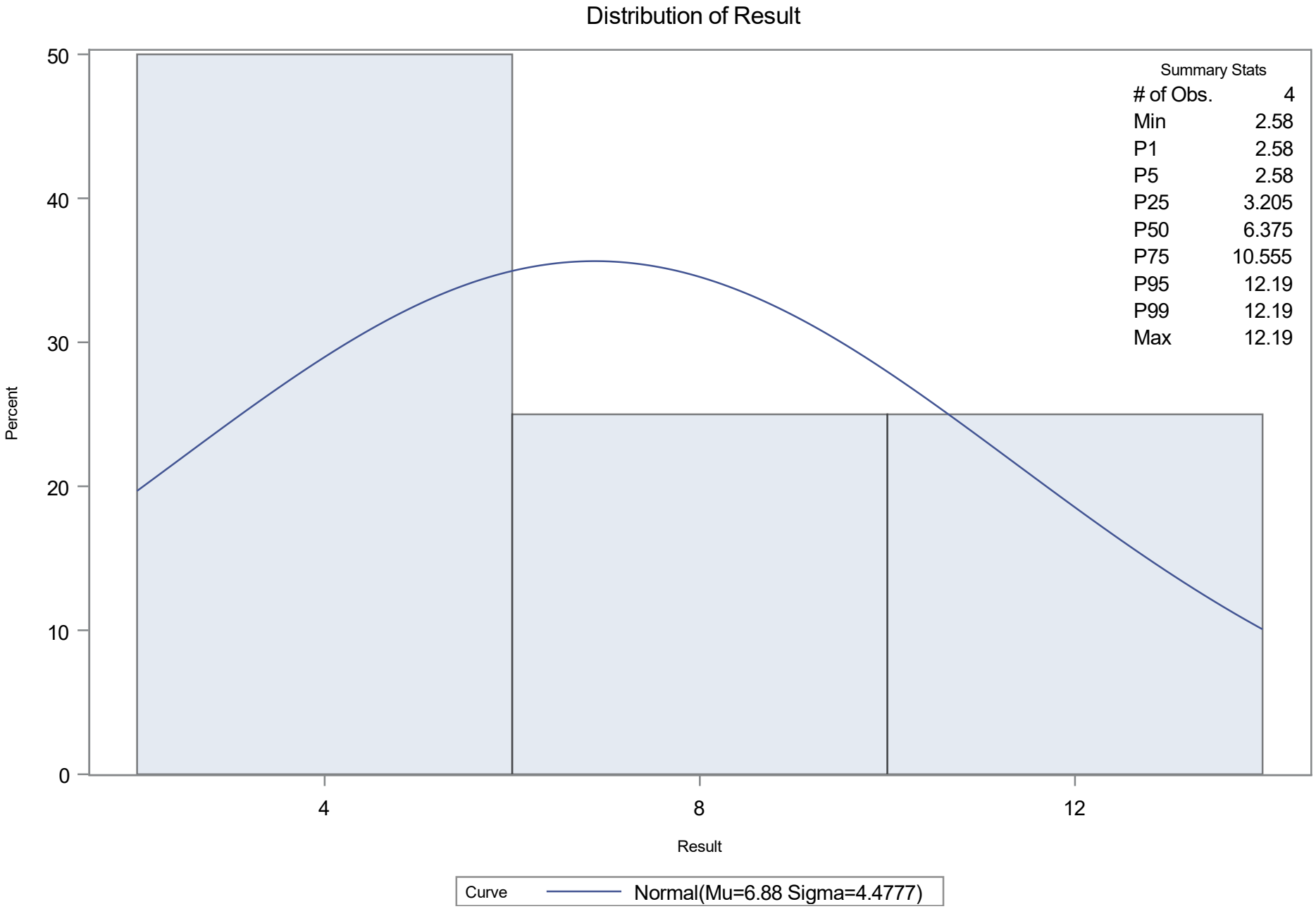
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.88
Std Dev	Sigma	4.47773

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25211130	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04149595	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25883899	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.58000	-3.53676
5.0	2.58000	-0.48521
10.0	2.58000	1.14156
25.0	3.20500	3.85982
50.0	6.37500	6.88000
75.0	10.55500	9.90018
90.0	12.19000	12.61844
95.0	12.19000	14.24521
99.0	12.19000	17.29676

Period of Record: January 1996 through December 2023
Analysis Days Only

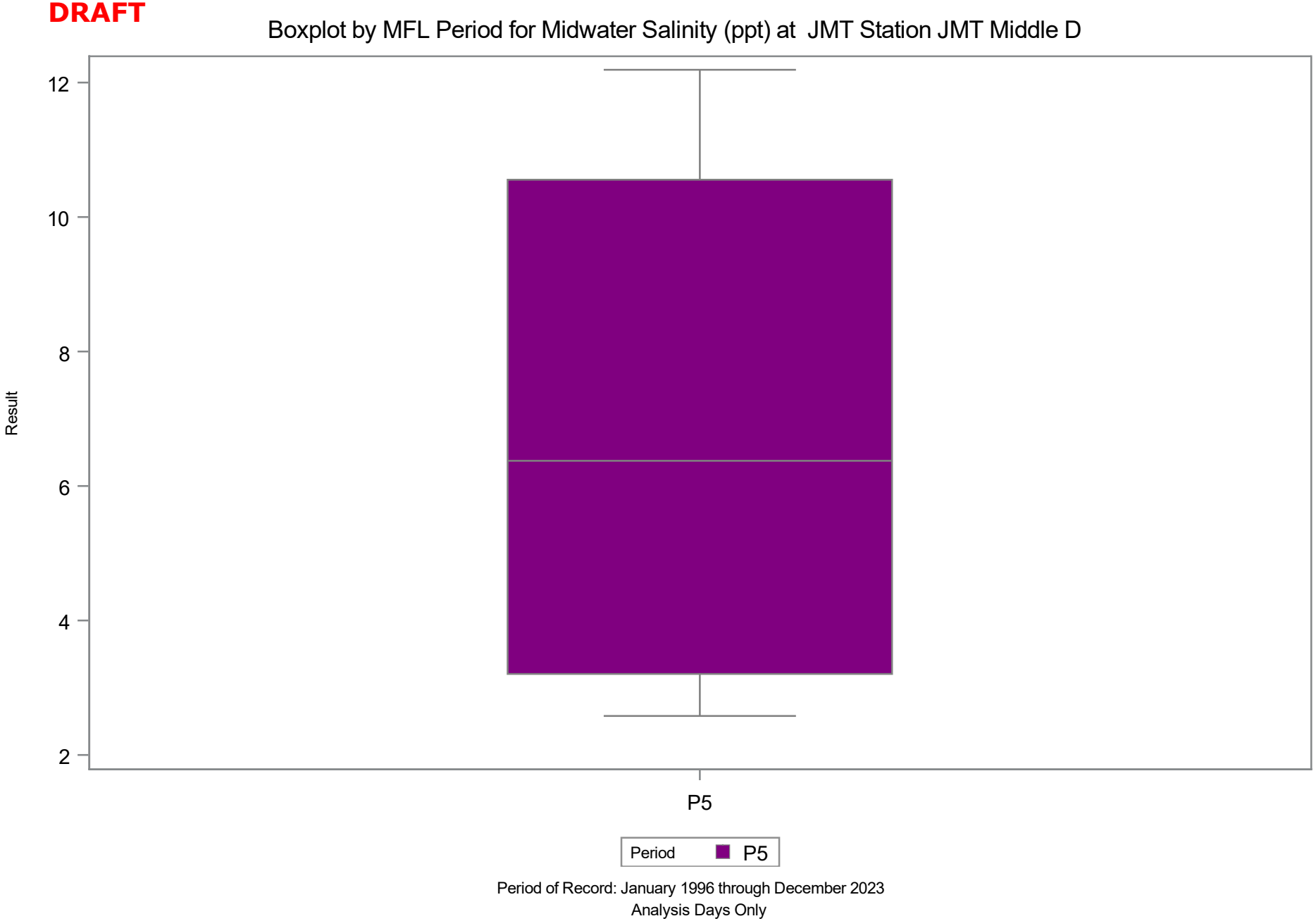
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Middle D

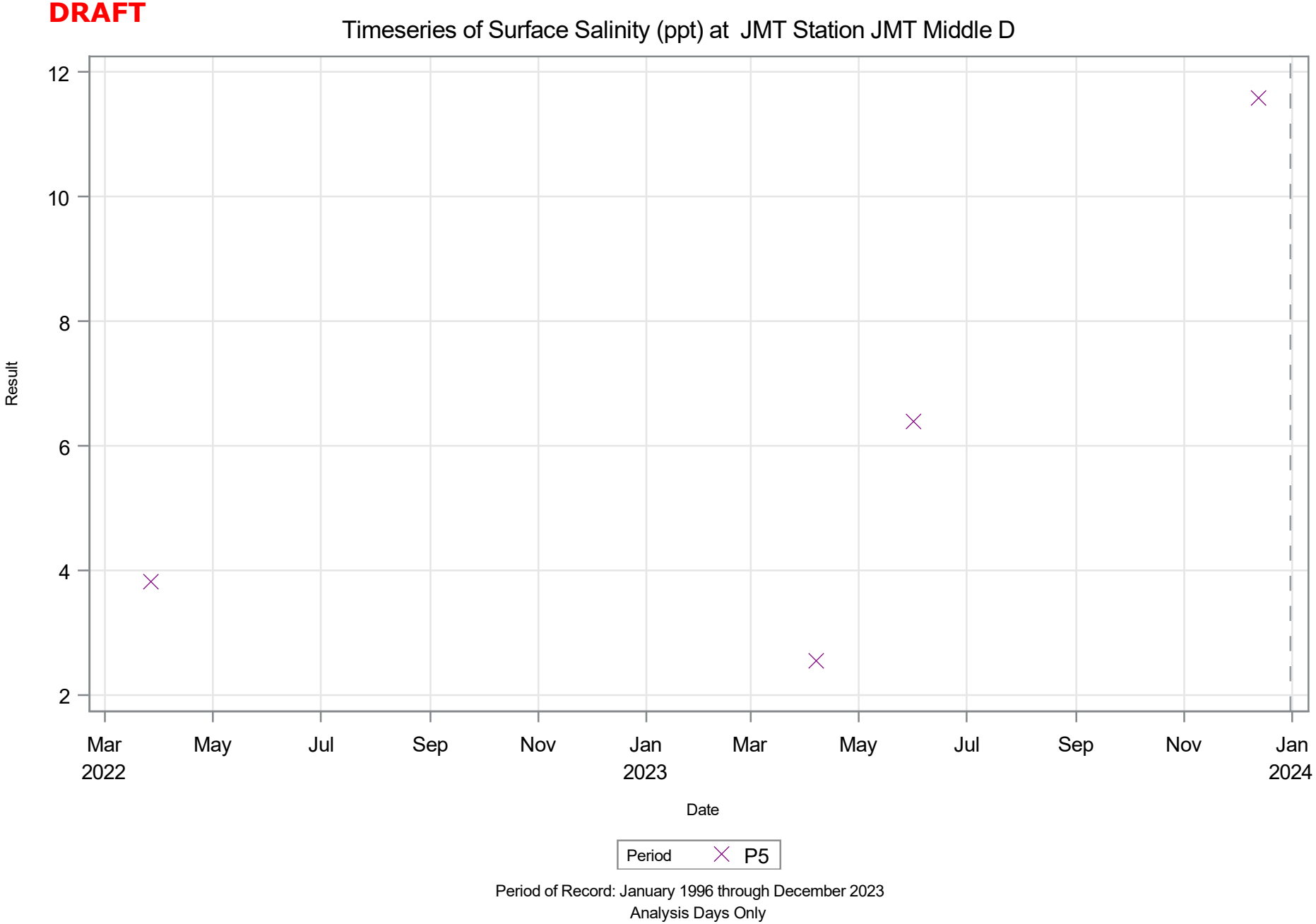
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	2.58	3.21	6.88	6.38	10.56	12.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Middle D
Result
12
10
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

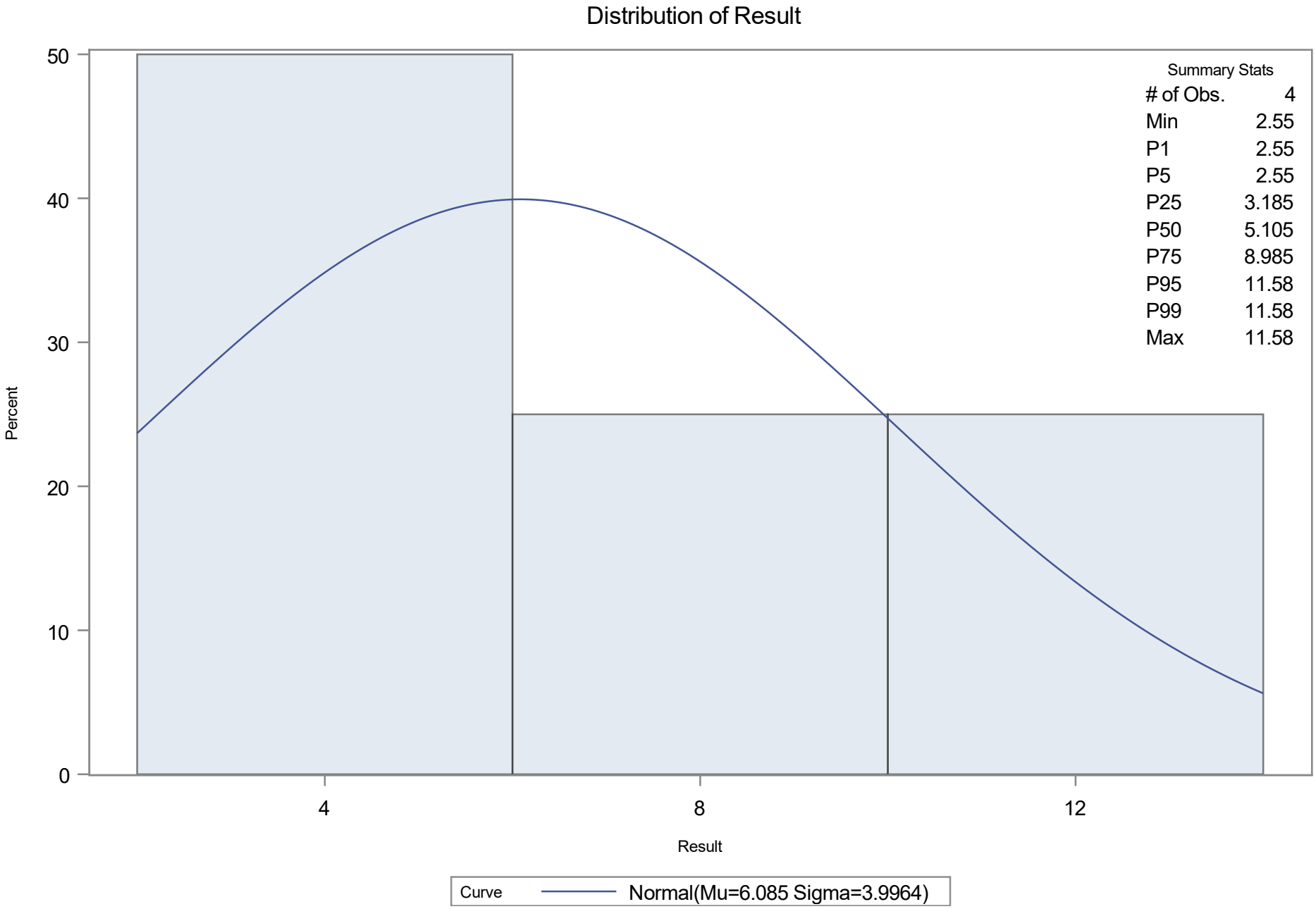
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.085
Std Dev	Sigma	3.996436

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.21958305	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04342945	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27456902	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.55000	-3.21210
5.0	2.55000	-0.48855
10.0	2.55000	0.96336
25.0	3.18500	3.38944
50.0	5.10500	6.08500
75.0	8.98500	8.78056
90.0	11.58000	11.20664
95.0	11.58000	12.65855
99.0	11.58000	15.38210

Period of Record: January 1996 through December 2023
Analysis Days Only

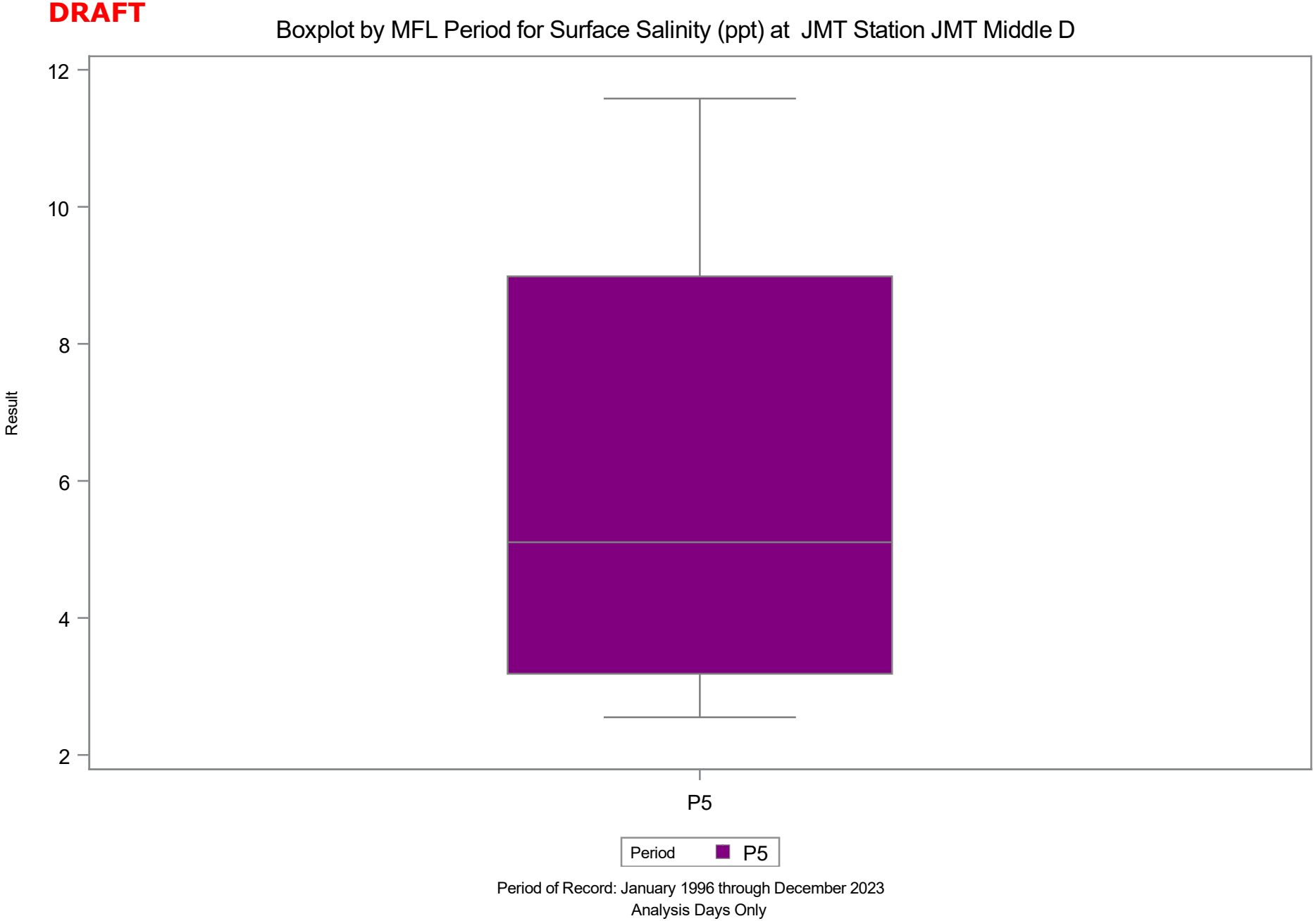
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Middle D

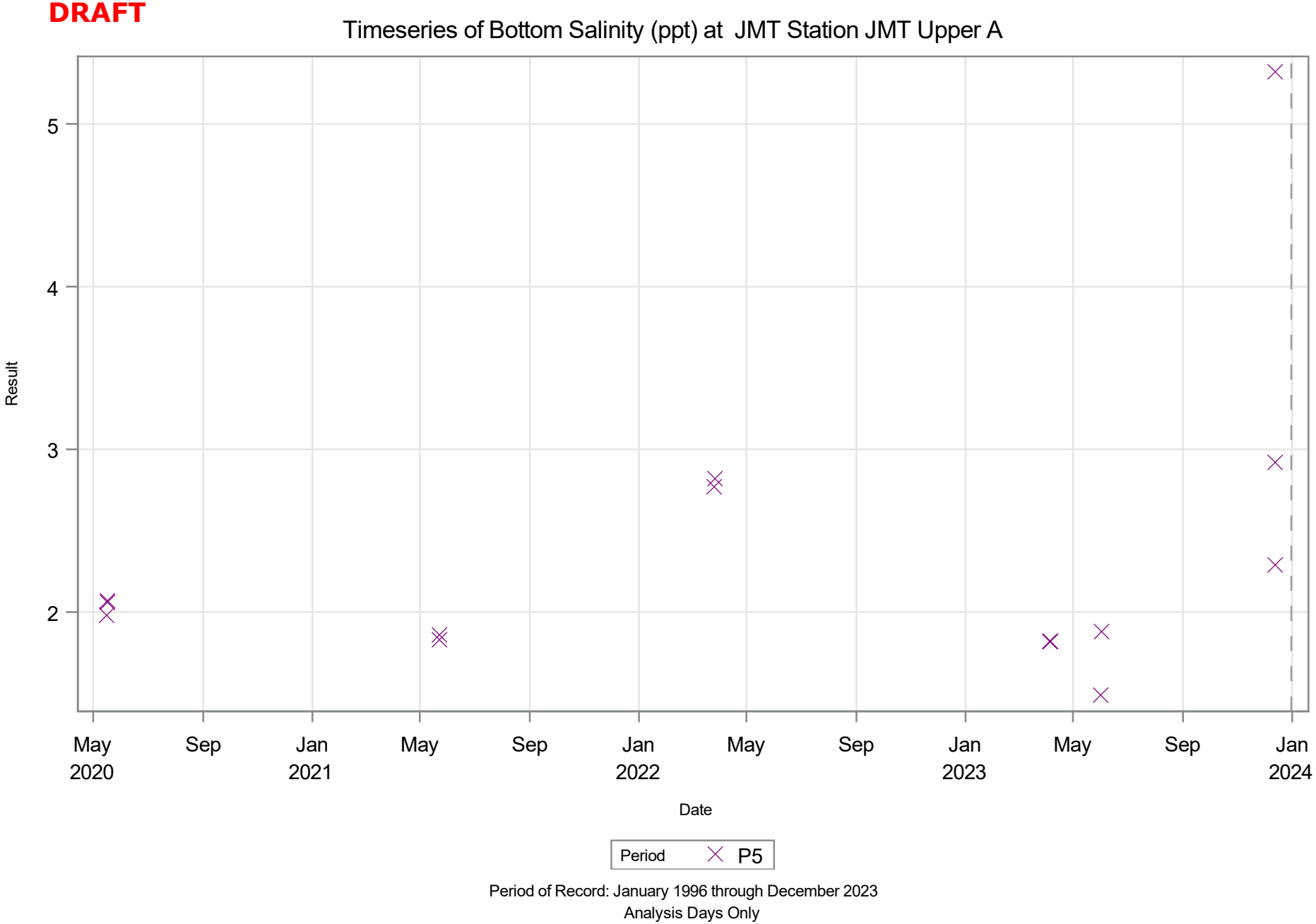
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	2.55	3.19	6.09	5.11	8.99	11.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

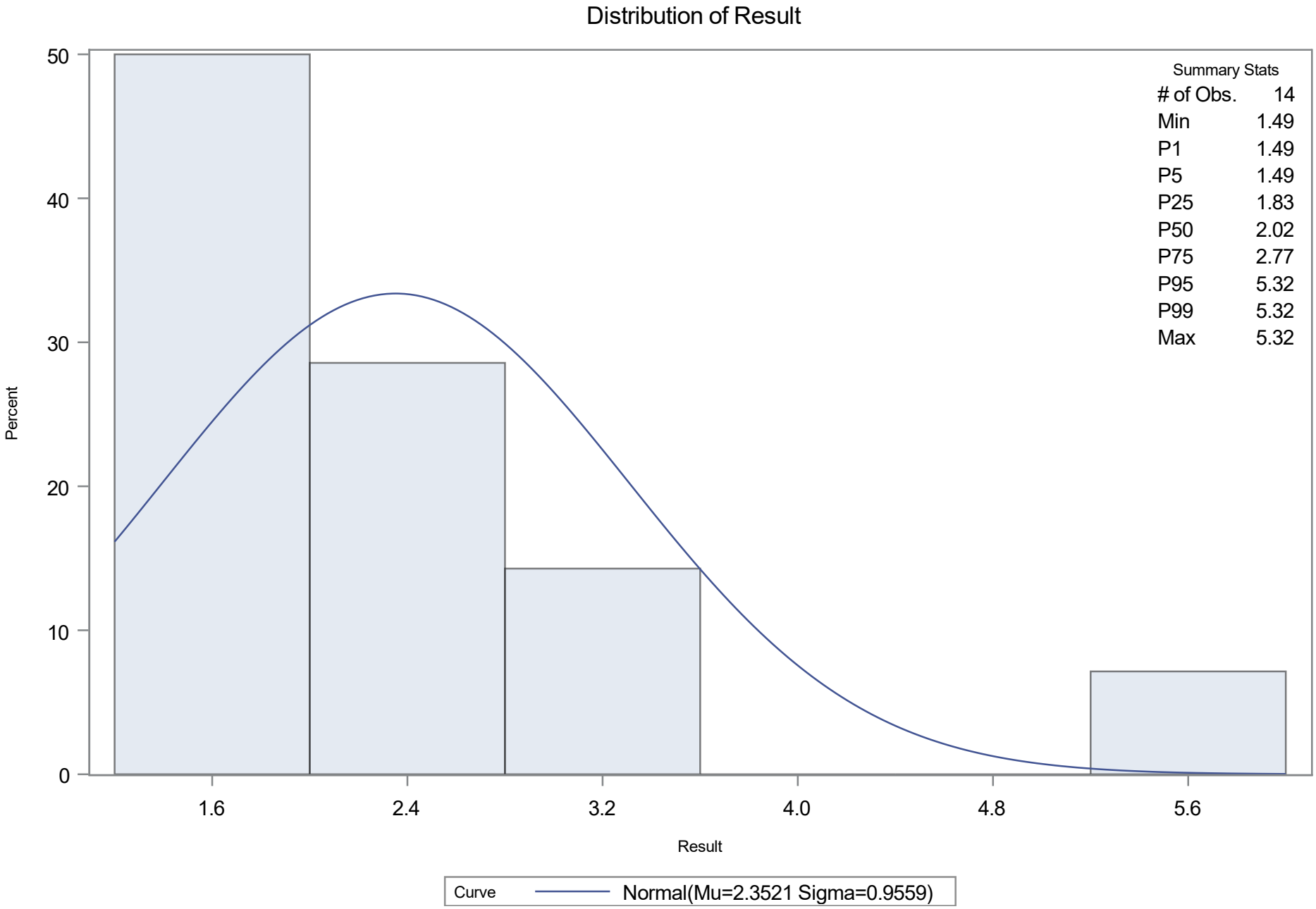

Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Middle D
Result
12
10
8
6
4
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Upper A
Result
5
4
3
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.352143
Std Dev	Sigma	0.955906

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25892035	**Pr > D**	0.012
Cramer-von Mises	**W-Sq**	0.26542045	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.57771027	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.49000	0.12837
5.0	1.49000	0.77982
10.0	1.82000	1.12710
25.0	1.83000	1.70739
50.0	2.02000	2.35214
75.0	2.77000	2.99689
90.0	2.92000	3.57719
95.0	5.32000	3.92447
99.0	5.32000	4.57591

Period of Record: January 1996 through December 2023
Analysis Days Only

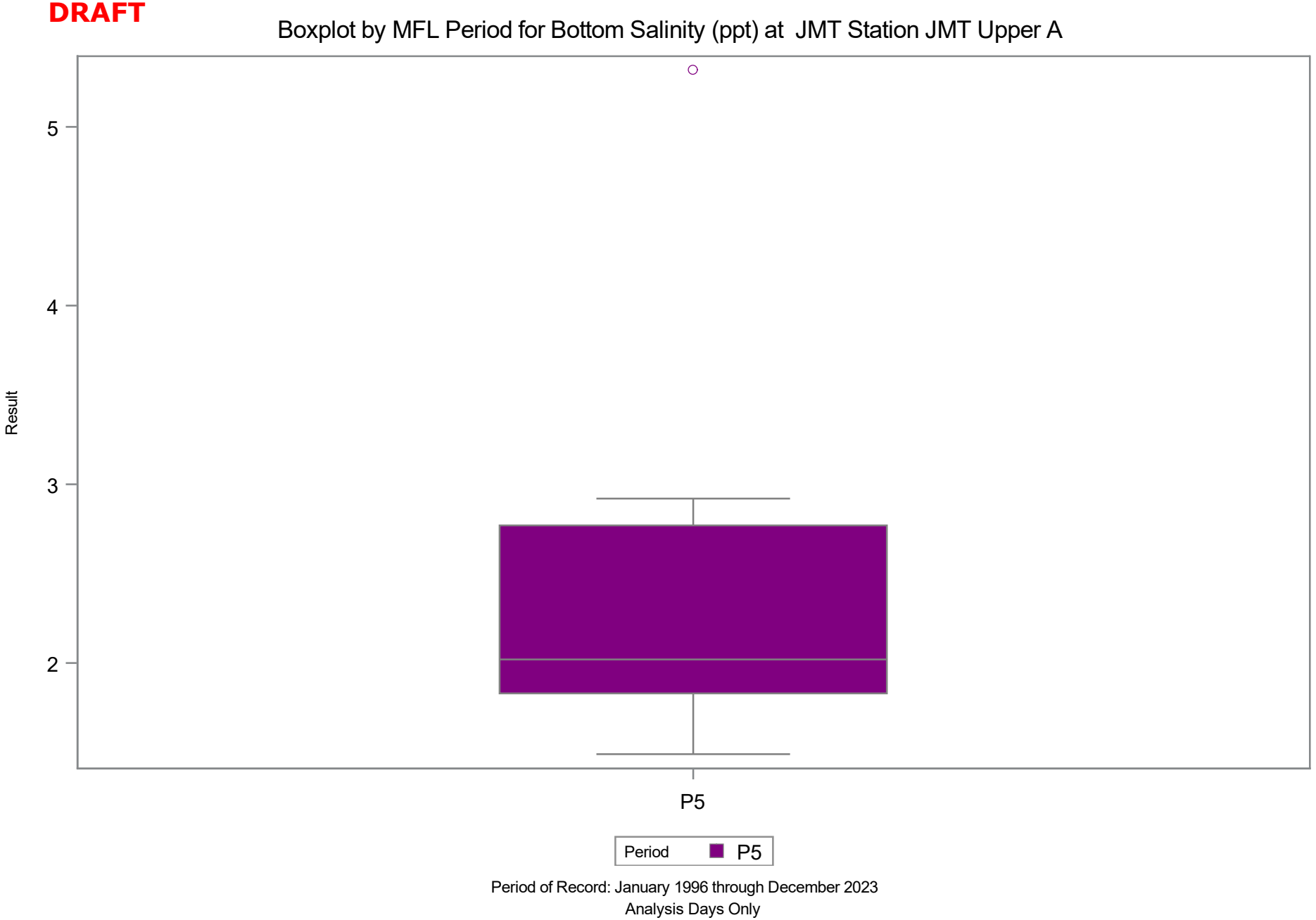
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Upper A

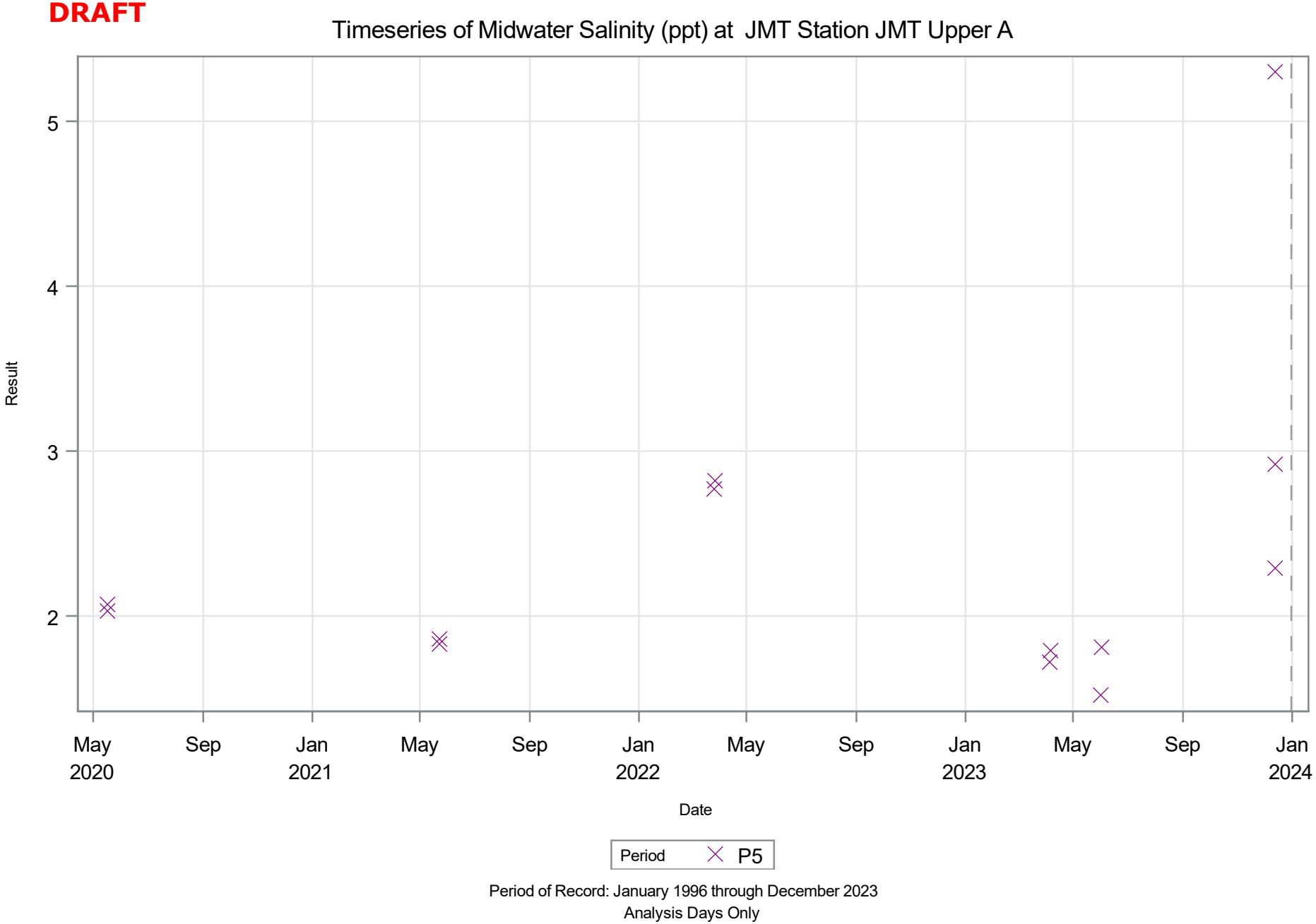
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1.49	1.83	2.35	2.02	2.77	5.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

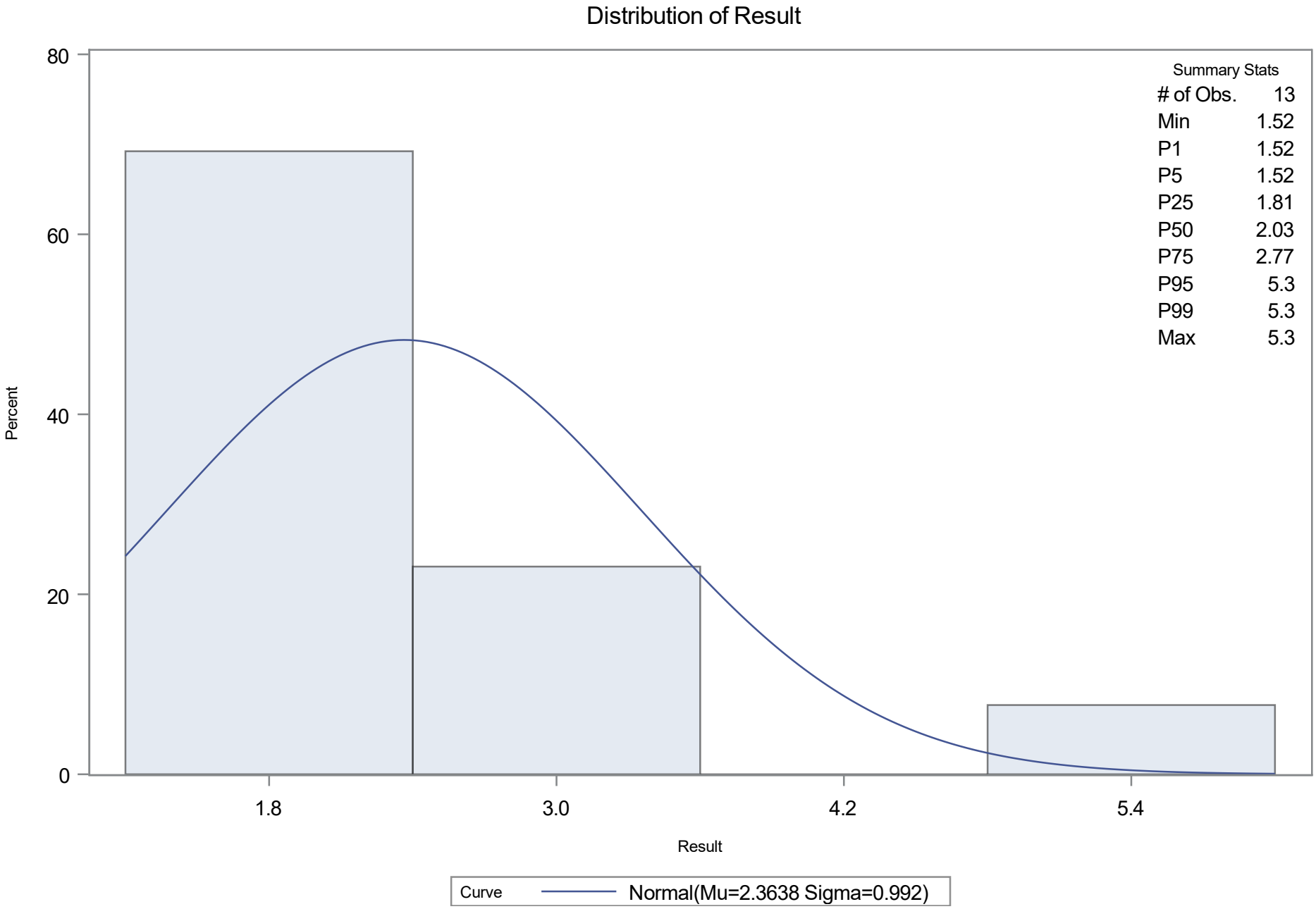

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Upper A
Result
5
4
3
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Upper A
Result
5
4
3
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.363846
Std Dev	Sigma	0.991972

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23185517	**Pr > D**	0.054
Cramer-von Mises	**W-Sq**	0.21838322	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.34470832	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.52000	0.05617
5.0	1.52000	0.73220
10.0	1.72000	1.09258
25.0	1.81000	1.69477
50.0	2.03000	2.36385
75.0	2.77000	3.03292
90.0	2.92000	3.63511
95.0	5.30000	3.99550
99.0	5.30000	4.67152

Period of Record: January 1996 through December 2023
Analysis Days Only

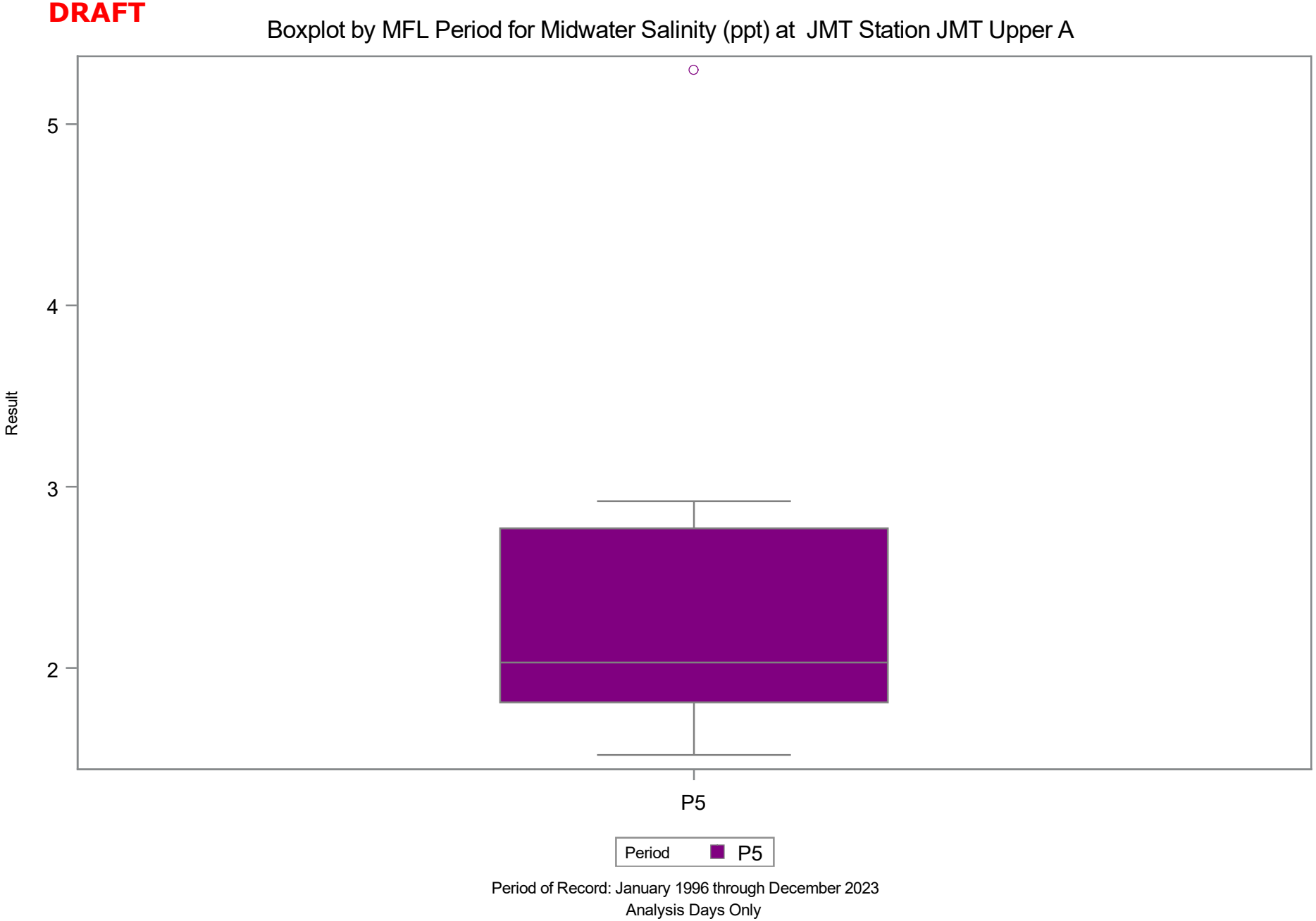
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Upper A

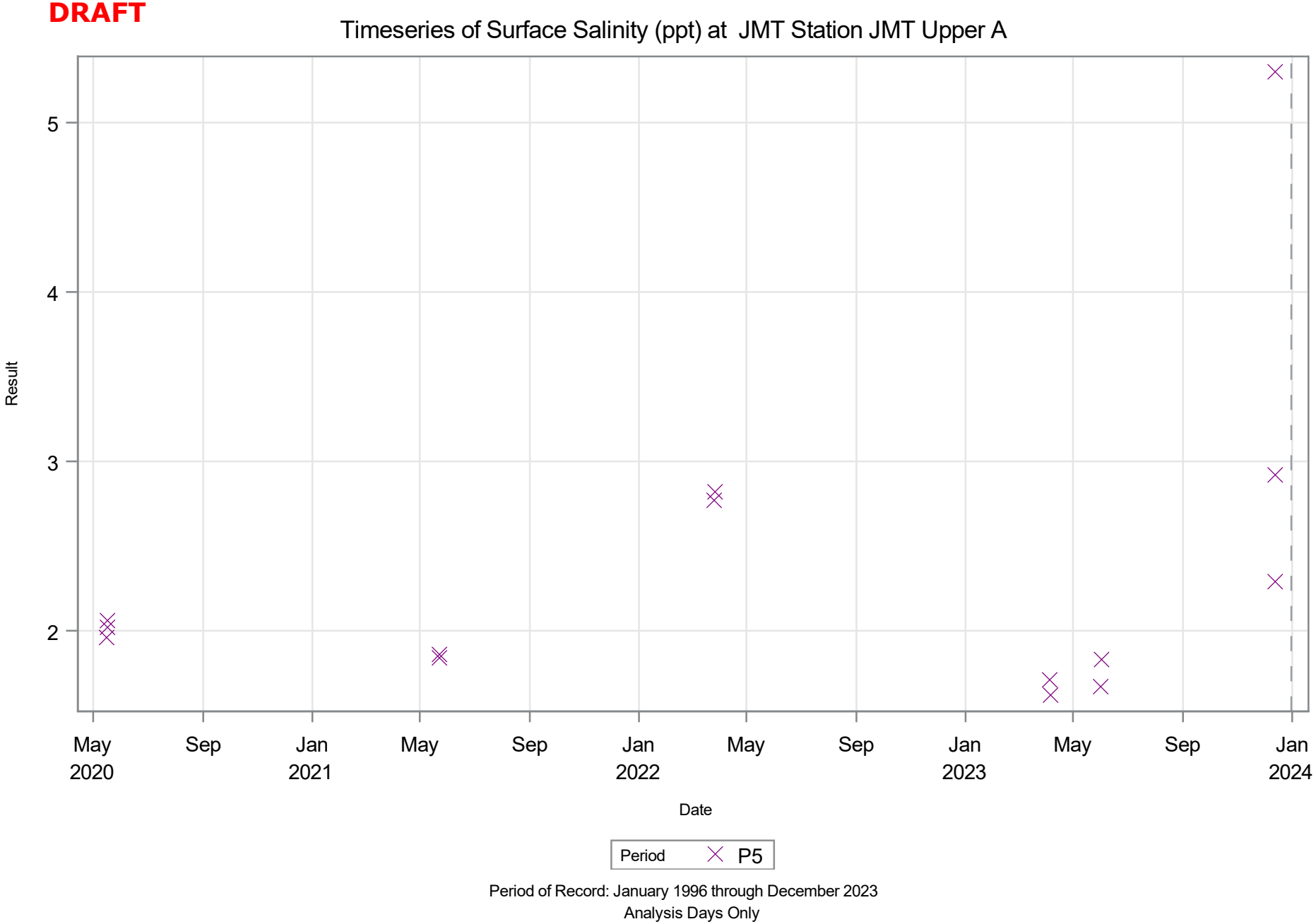
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	1.52	1.81	2.36	2.03	2.77	5.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

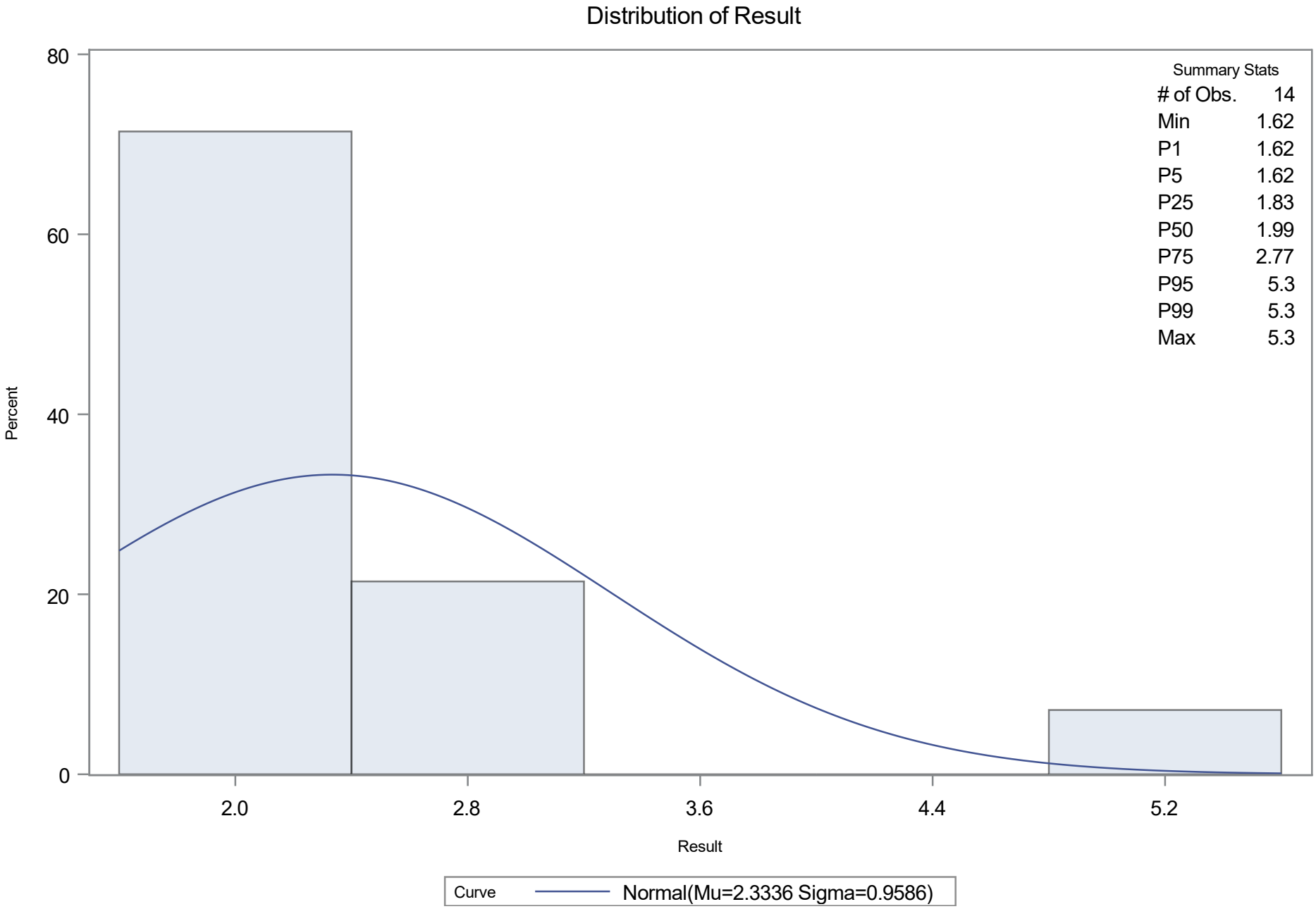

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Upper A
Result
5
4
3
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Upper A
Result
5
4
3
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.333571
Std Dev	Sigma	0.95857

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25518657	**Pr > D**	0.015
Cramer-von Mises	**W-Sq**	0.25446406	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.53901880	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.62000	0.10361
5.0	1.62000	0.75686
10.0	1.67000	1.10512
25.0	1.83000	1.68703
50.0	1.99000	2.33357
75.0	2.77000	2.98012
90.0	2.92000	3.56203
95.0	5.30000	3.91028
99.0	5.30000	4.56354

Period of Record: January 1996 through December 2023
Analysis Days Only

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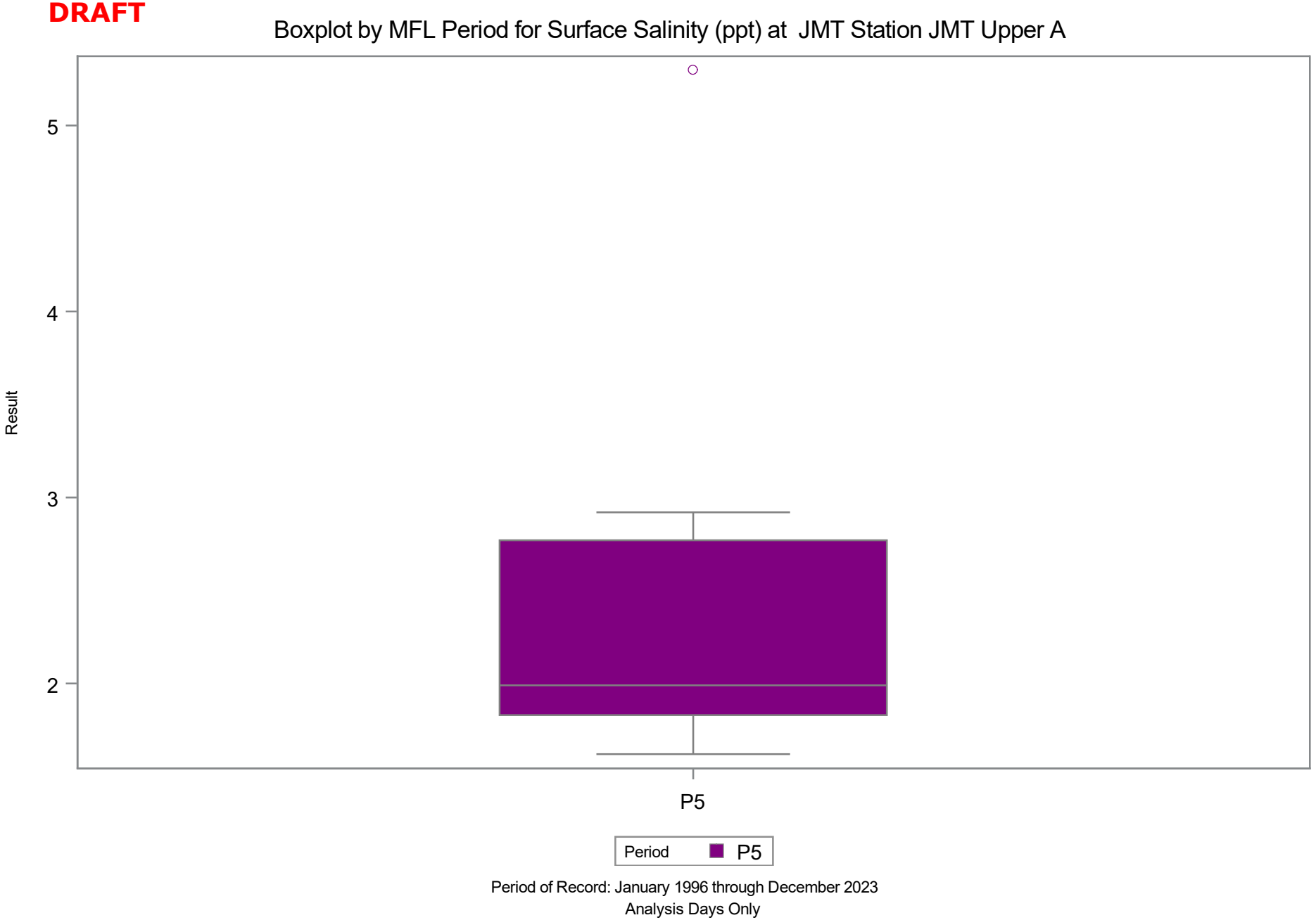
Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Upper A

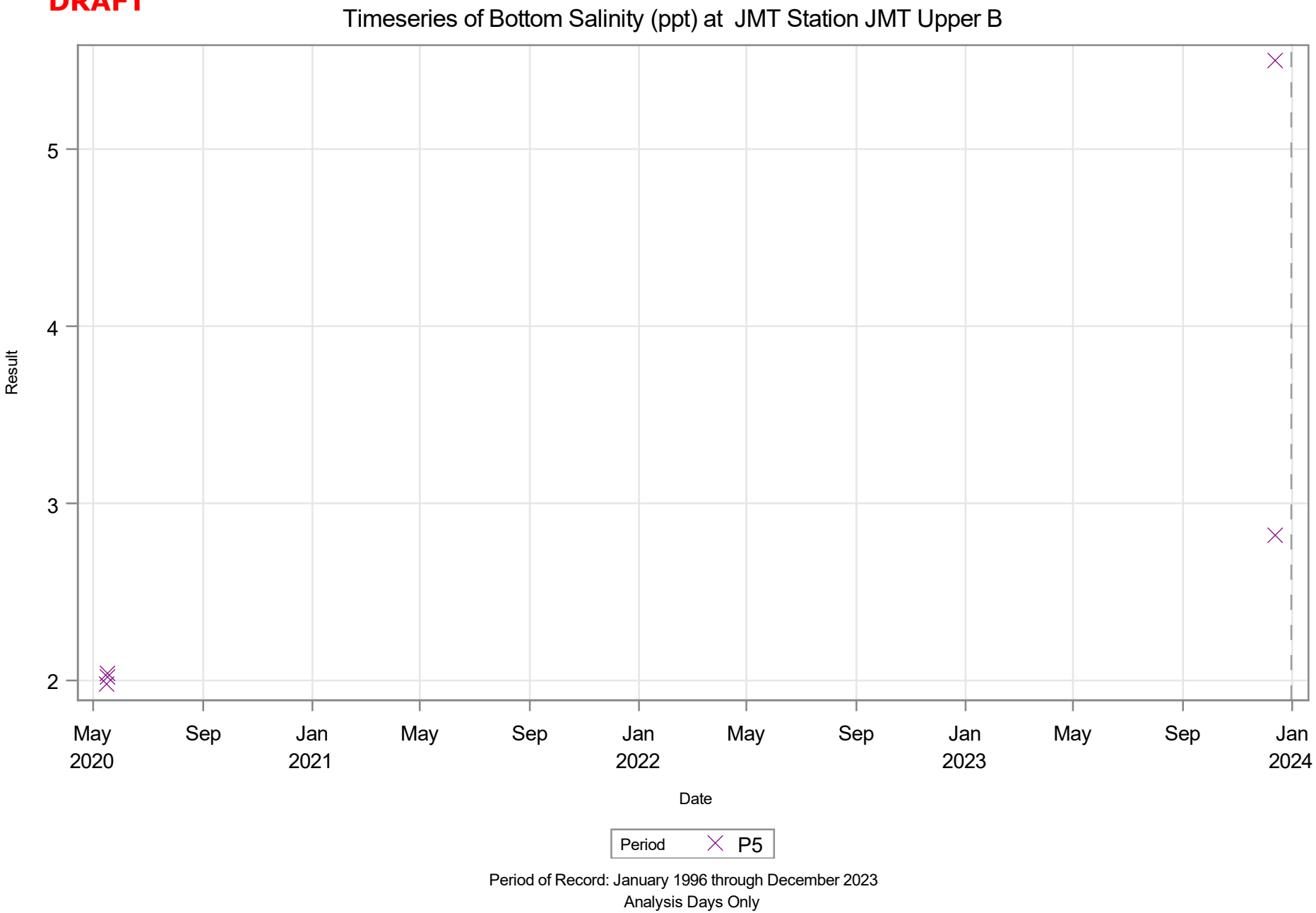
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	1.62	1.83	2.33	1.99	2.77	5.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

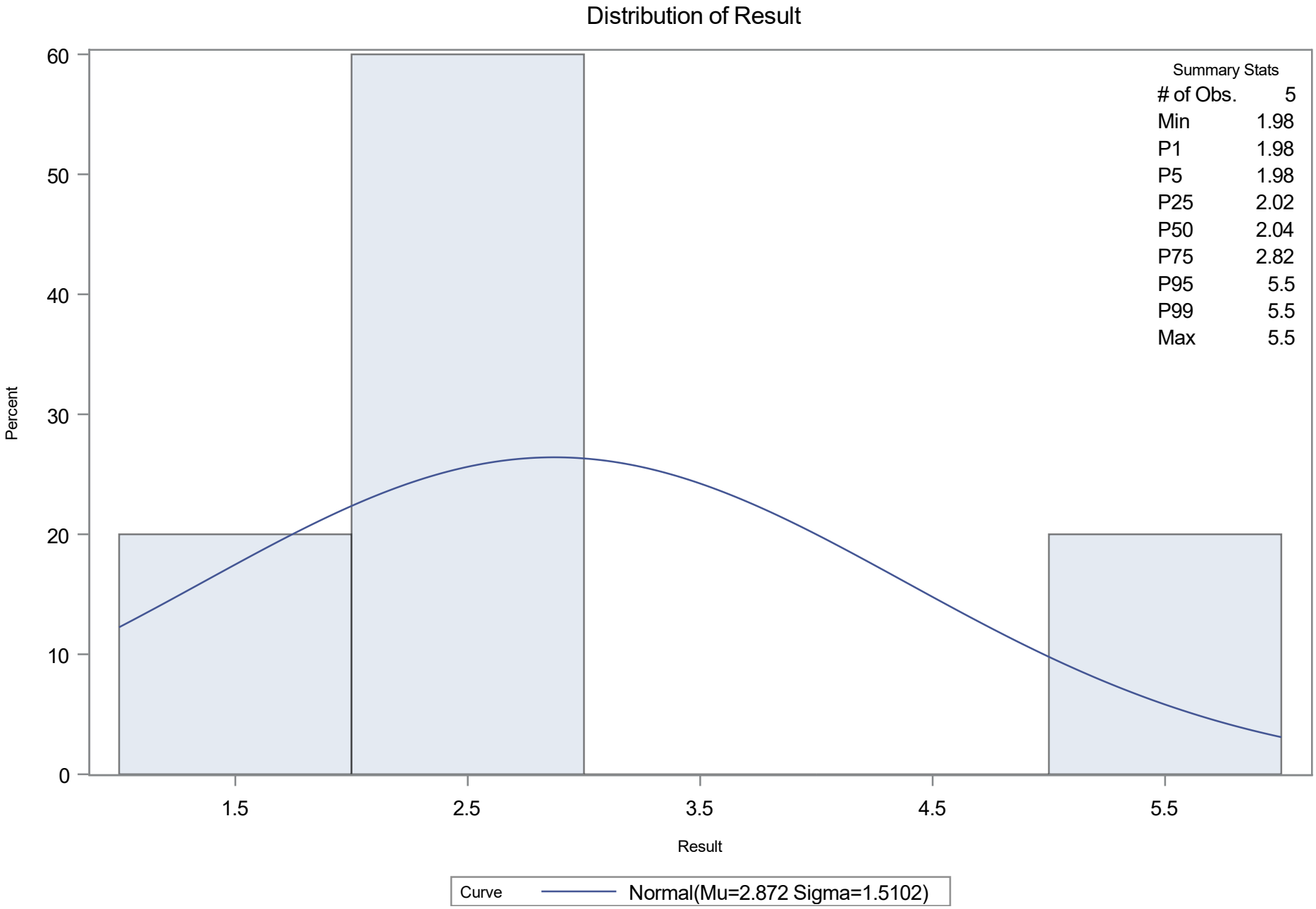

Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Upper A
Result
5
4
3
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at JMT Station JMT Upper B
Result
5
4
3
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.872
Std Dev	Sigma	1.510205

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.31373383	**Pr > D**	0.102
Cramer-von Mises	**W-Sq**	0.14123579	**Pr > W-Sq**	0.021
Anderson-Darling	**A-Sq**	0.76599662	**Pr > A-Sq**	0.018

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.98000	-0.64126
5.0	1.98000	0.38793
10.0	1.98000	0.93659
25.0	2.02000	1.85338
50.0	2.04000	2.87200
75.0	2.82000	3.89062
90.0	5.50000	4.80741
95.0	5.50000	5.35607
99.0	5.50000	6.38526

Period of Record: January 1996 through December 2023
Analysis Days Only

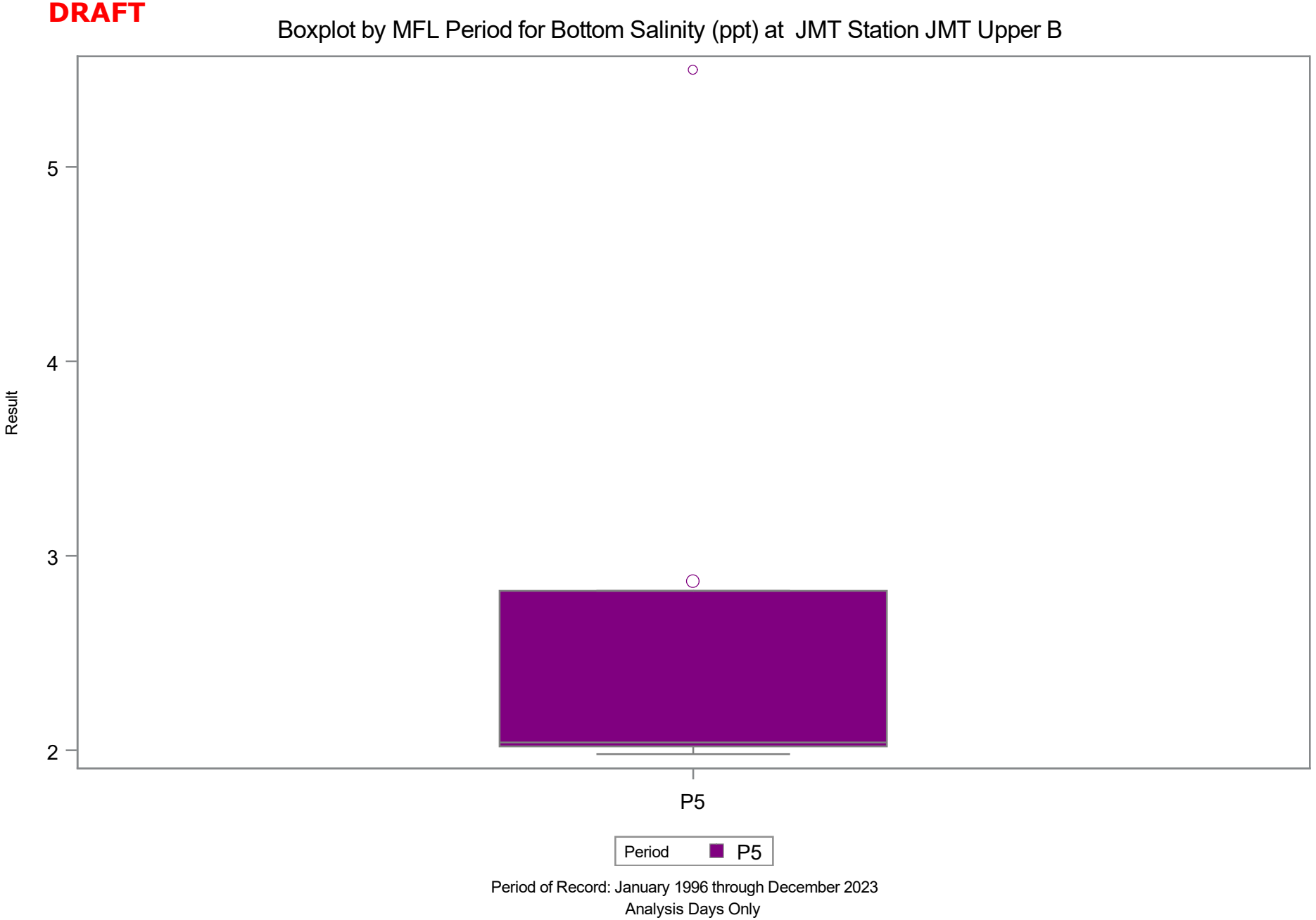
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Upper B

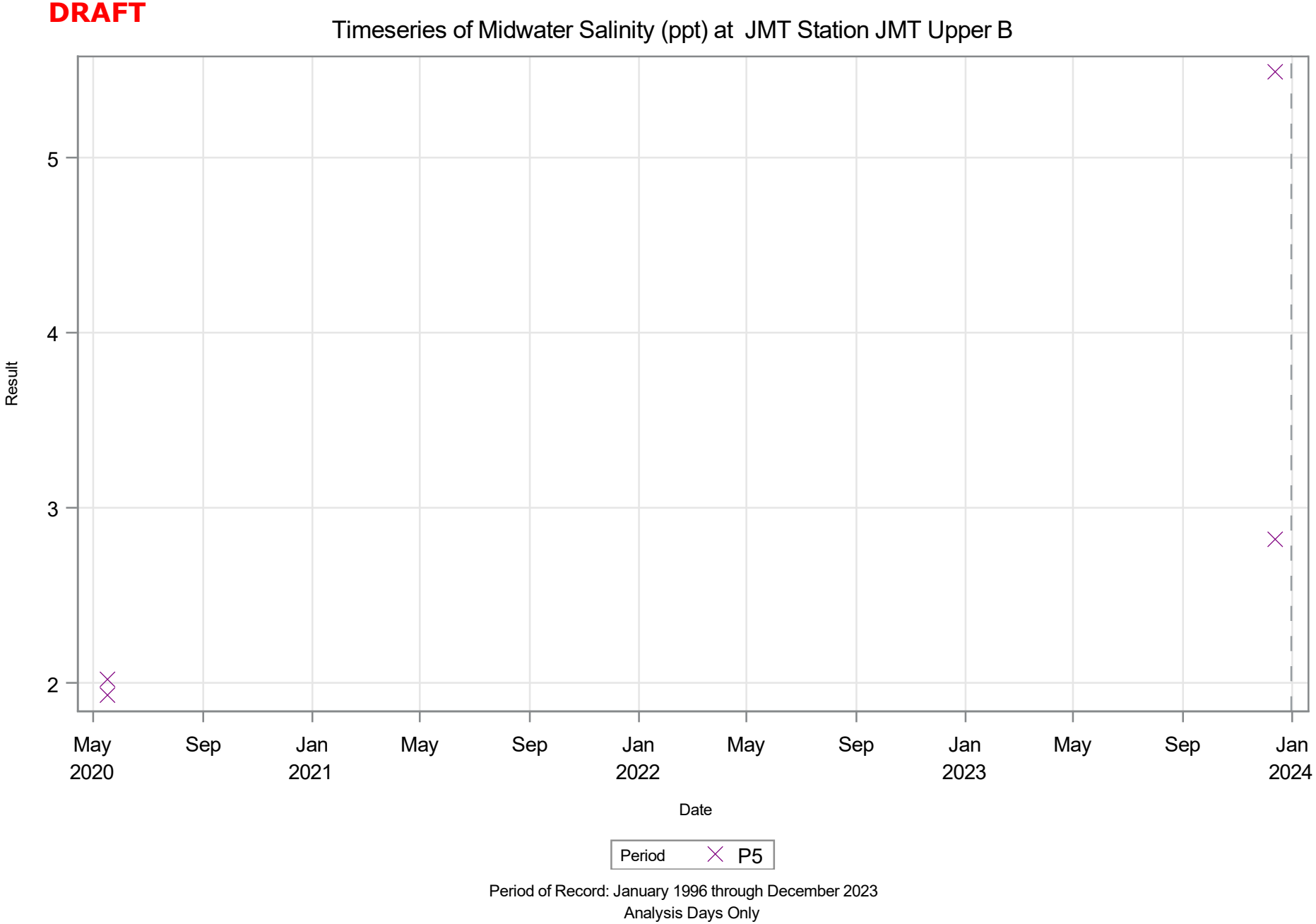
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	1.98	2.02	2.87	2.04	2.82	5.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

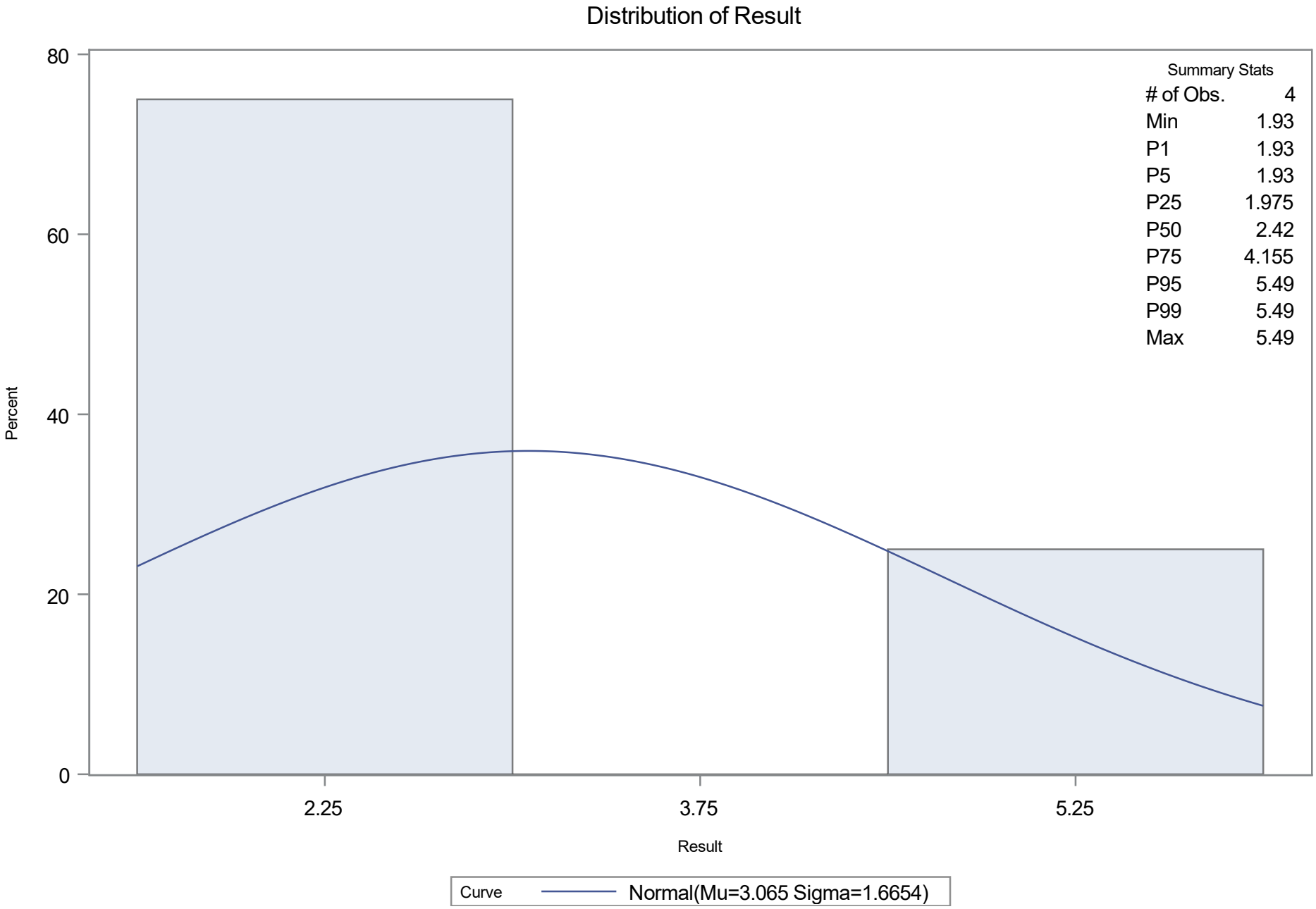

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Upper B
Result
5
4
3
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Upper B
Result
5
4
3
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.065
Std Dev	Sigma	1.665423

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30847732	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08436913	**Pr > W-Sq**	0.135
Anderson-Darling	**A-Sq**	0.47402215	**Pr > A-Sq**	0.101

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.93000	-0.80935
5.0	1.93000	0.32562
10.0	1.93000	0.93067
25.0	1.97500	1.94169
50.0	2.42000	3.06500
75.0	4.15500	4.18831
90.0	5.49000	5.19933
95.0	5.49000	5.80438
99.0	5.49000	6.93935

Period of Record: January 1996 through December 2023
Analysis Days Only

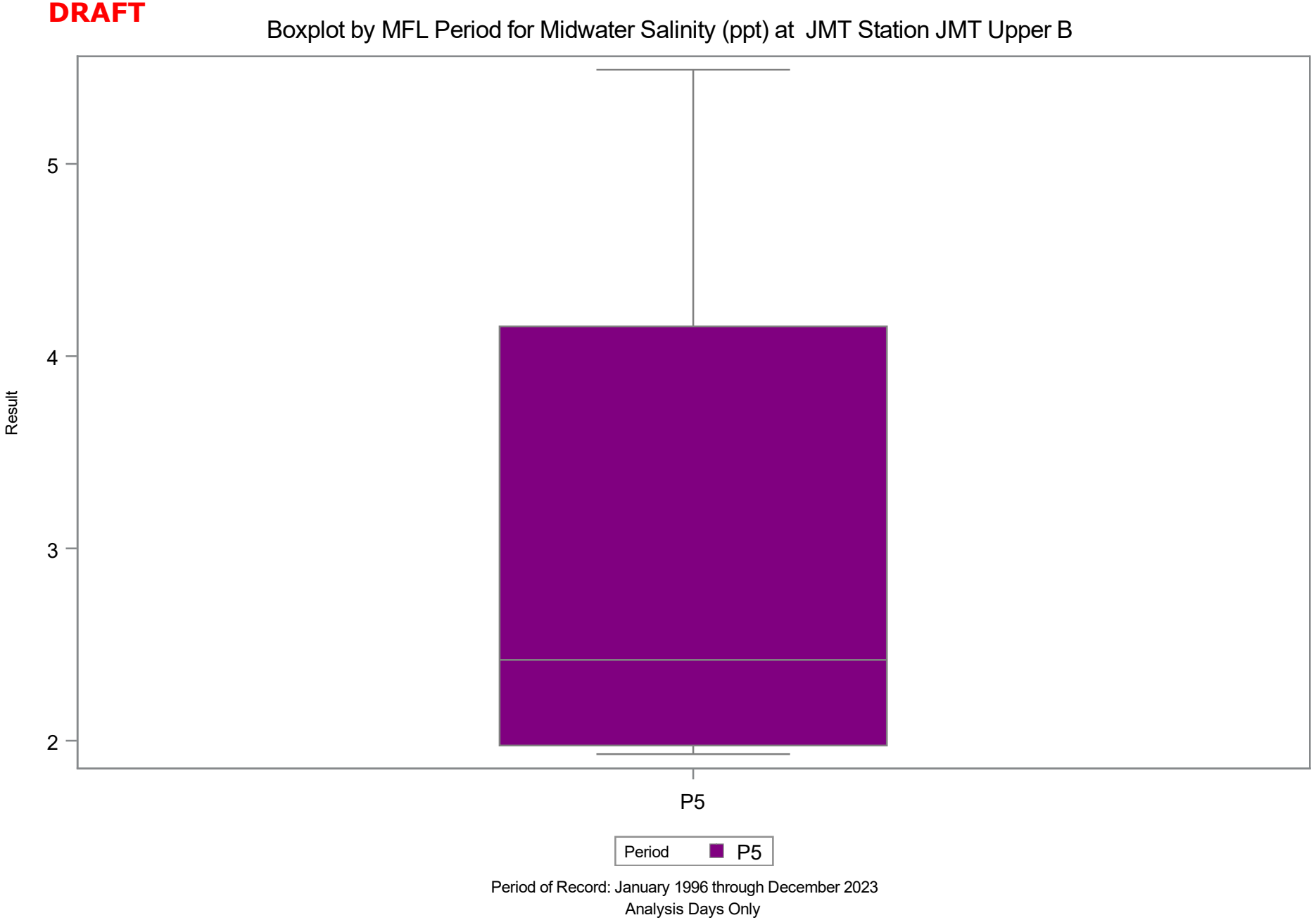
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Upper B

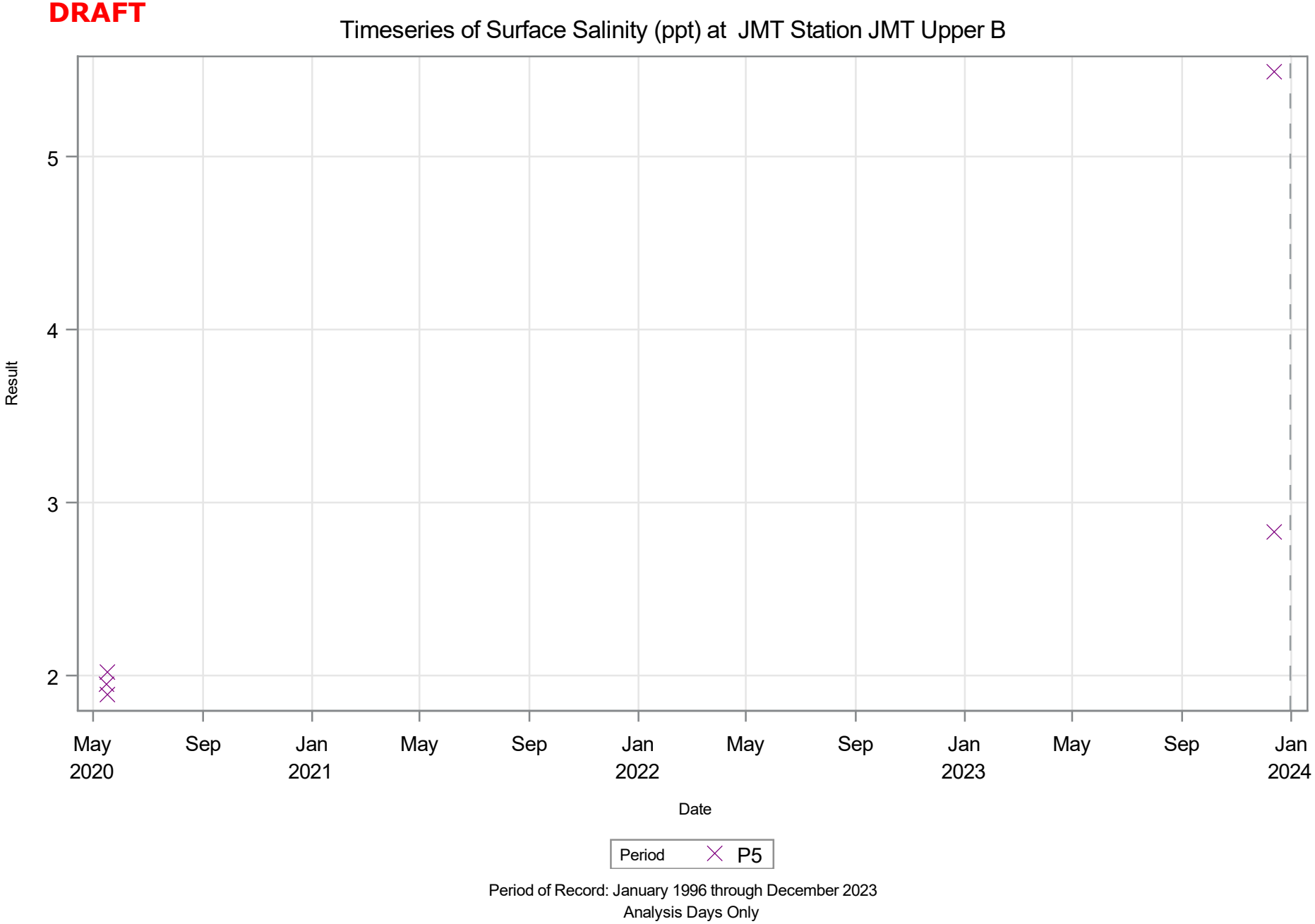
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	1.93	1.98	3.07	2.42	4.16	5.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

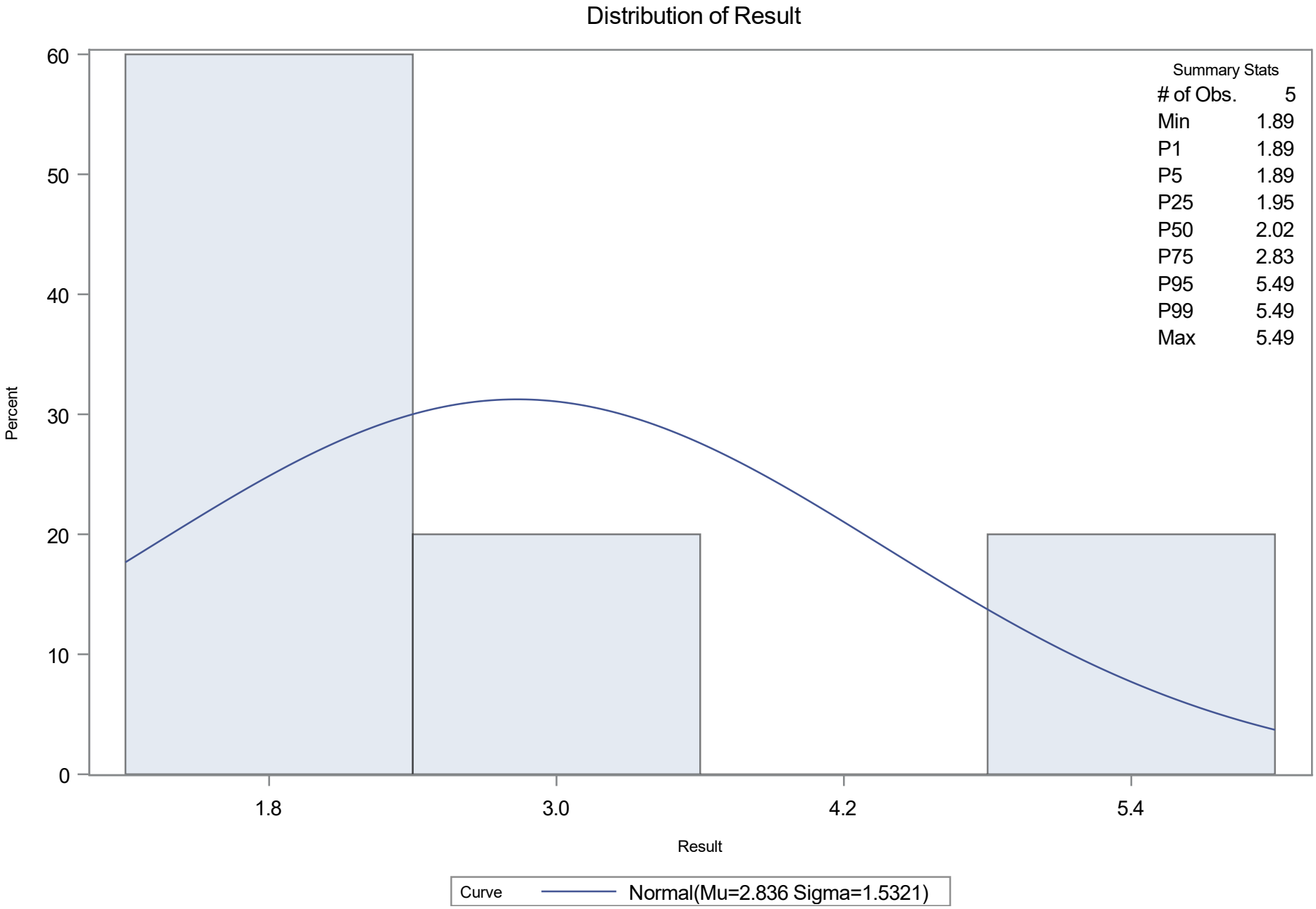

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Upper B
Result
5
4
3
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Upper B
Result
5
4
3
2
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.836
Std Dev	Sigma	1.532116

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30284360	**Pr > D**	0.134
Cramer-von Mises	**W-Sq**	0.13057146	**Pr > W-Sq**	0.030
Anderson-Darling	**A-Sq**	0.71639716	**Pr > A-Sq**	0.024

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.89000	-0.72824
5.0	1.89000	0.31589
10.0	1.89000	0.87251
25.0	1.95000	1.80260
50.0	2.02000	2.83600
75.0	2.83000	3.86940
90.0	5.49000	4.79949
95.0	5.49000	5.35611
99.0	5.49000	6.40024

Period of Record: January 1996 through December 2023
Analysis Days Only

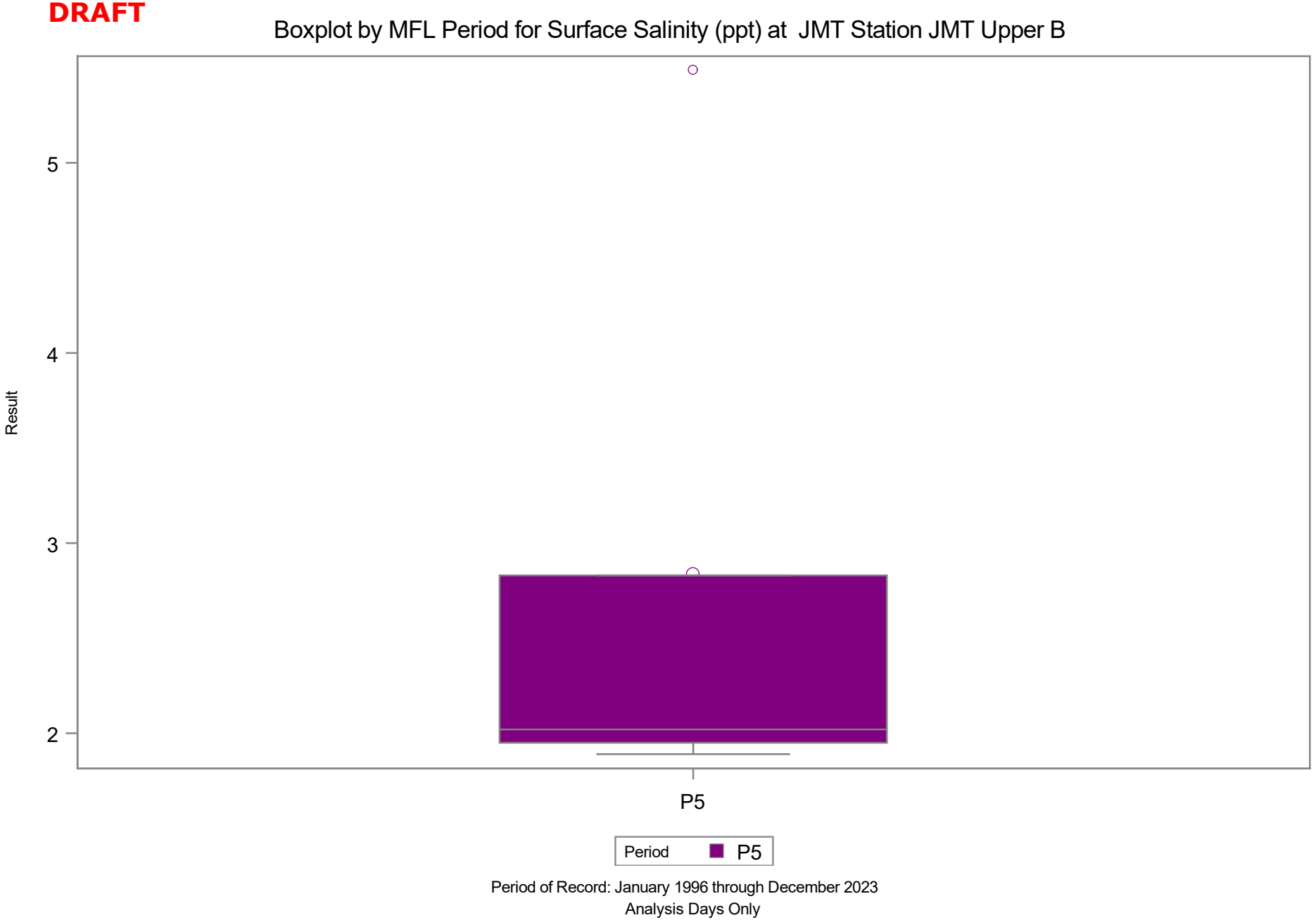
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Upper B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	1.89	1.95	2.84	2.02	2.83	5.49

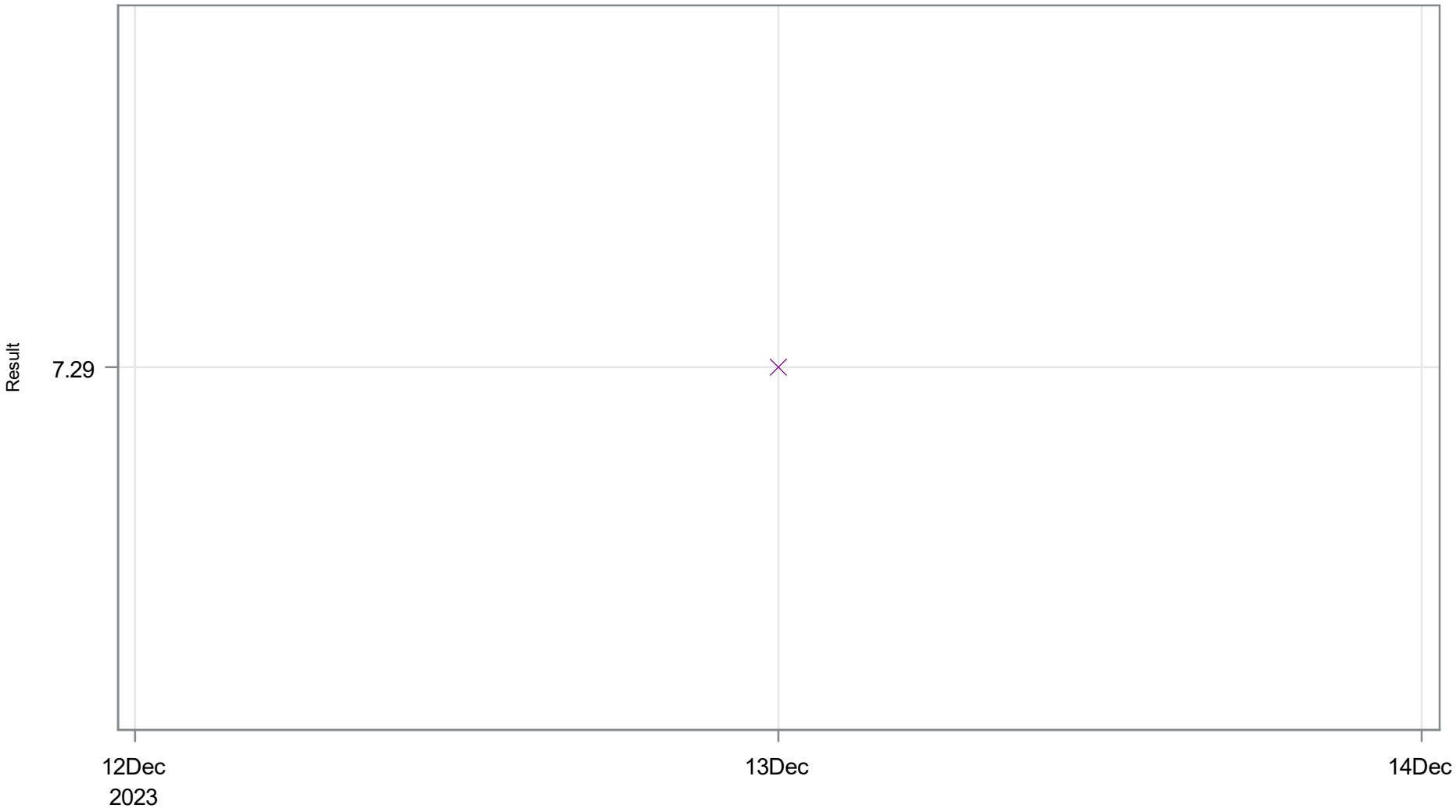
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Upper B
Result
5
4
3
2
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

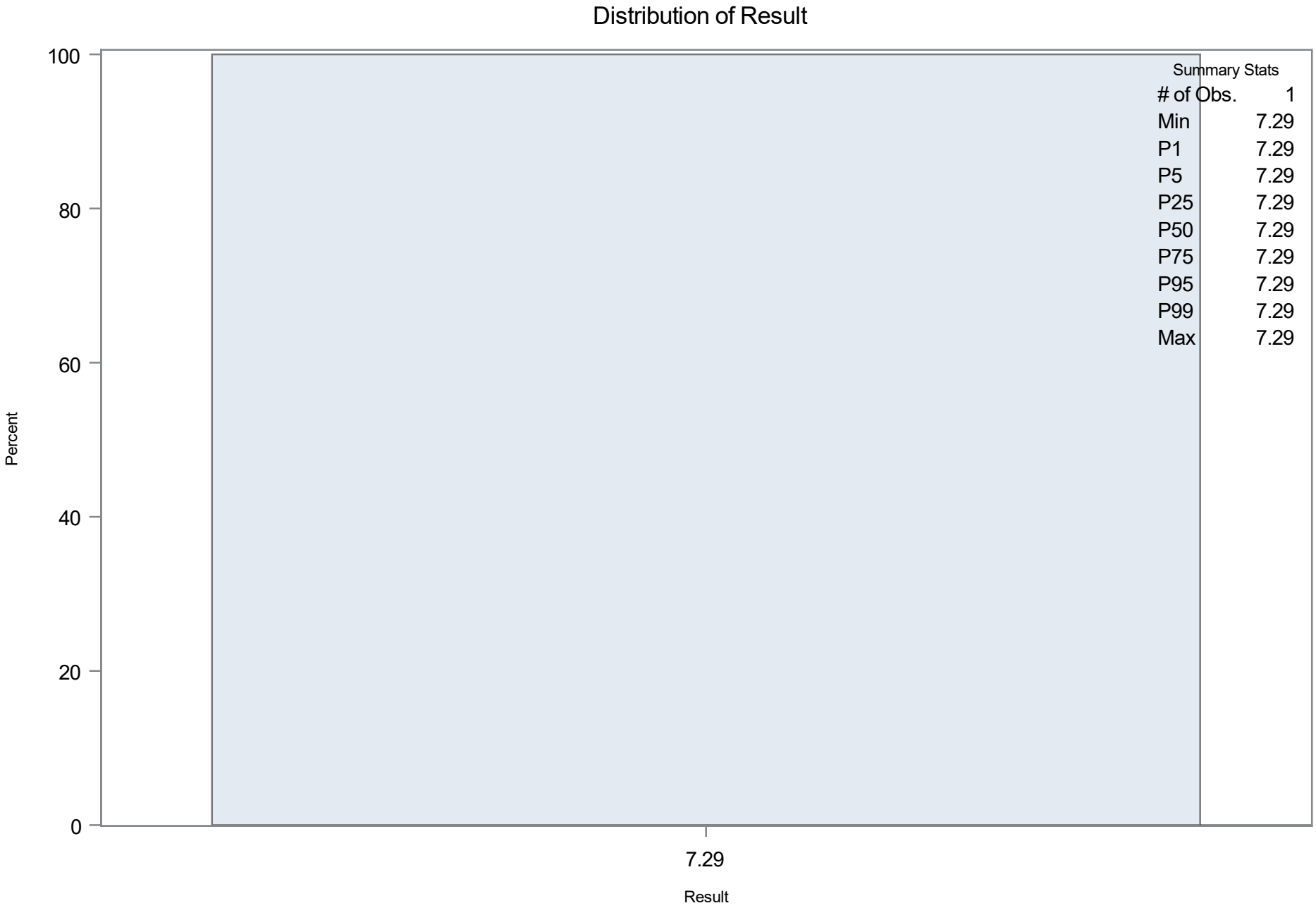
Timeseries of Bottom Salinity (ppt) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

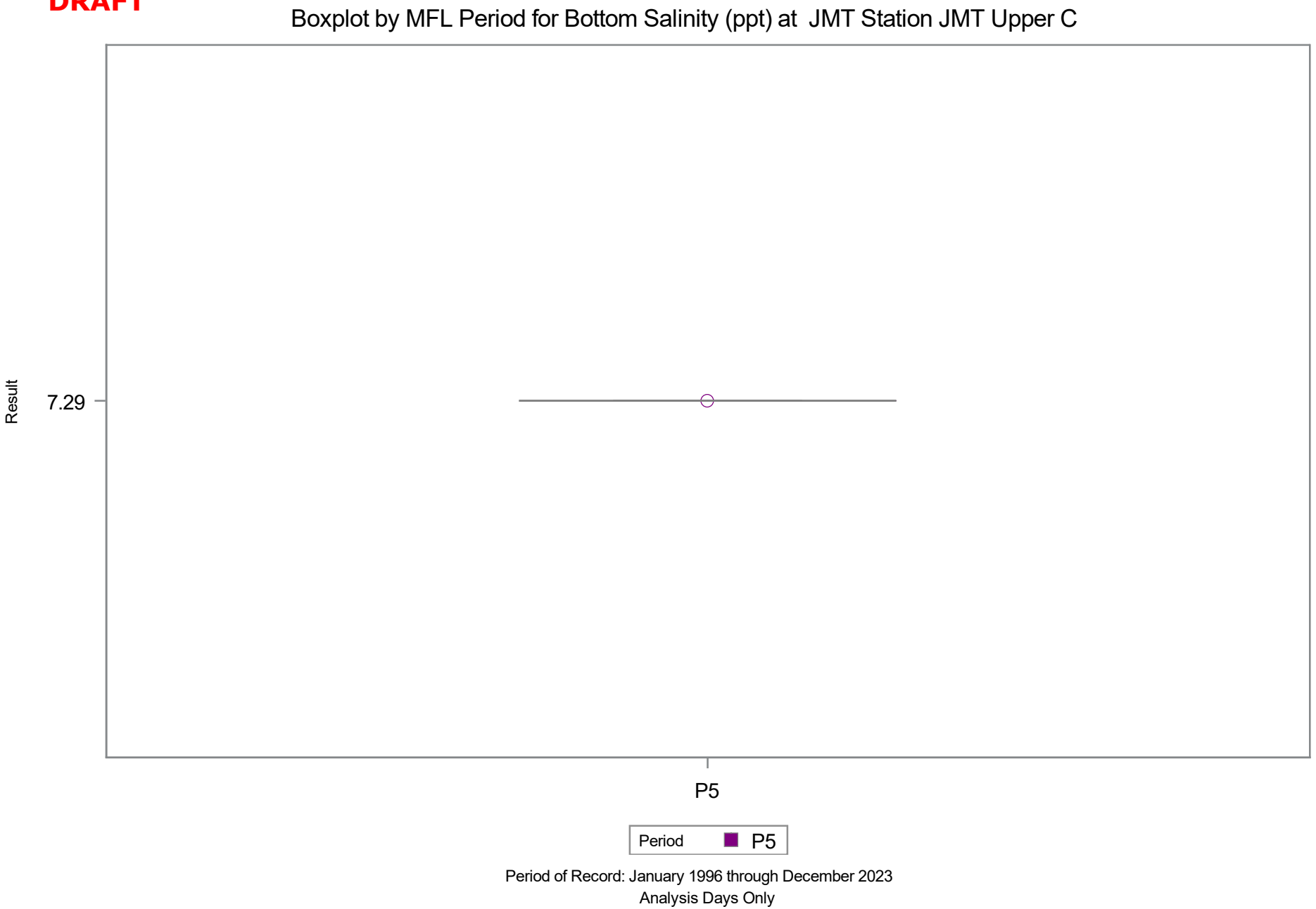
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Upper C

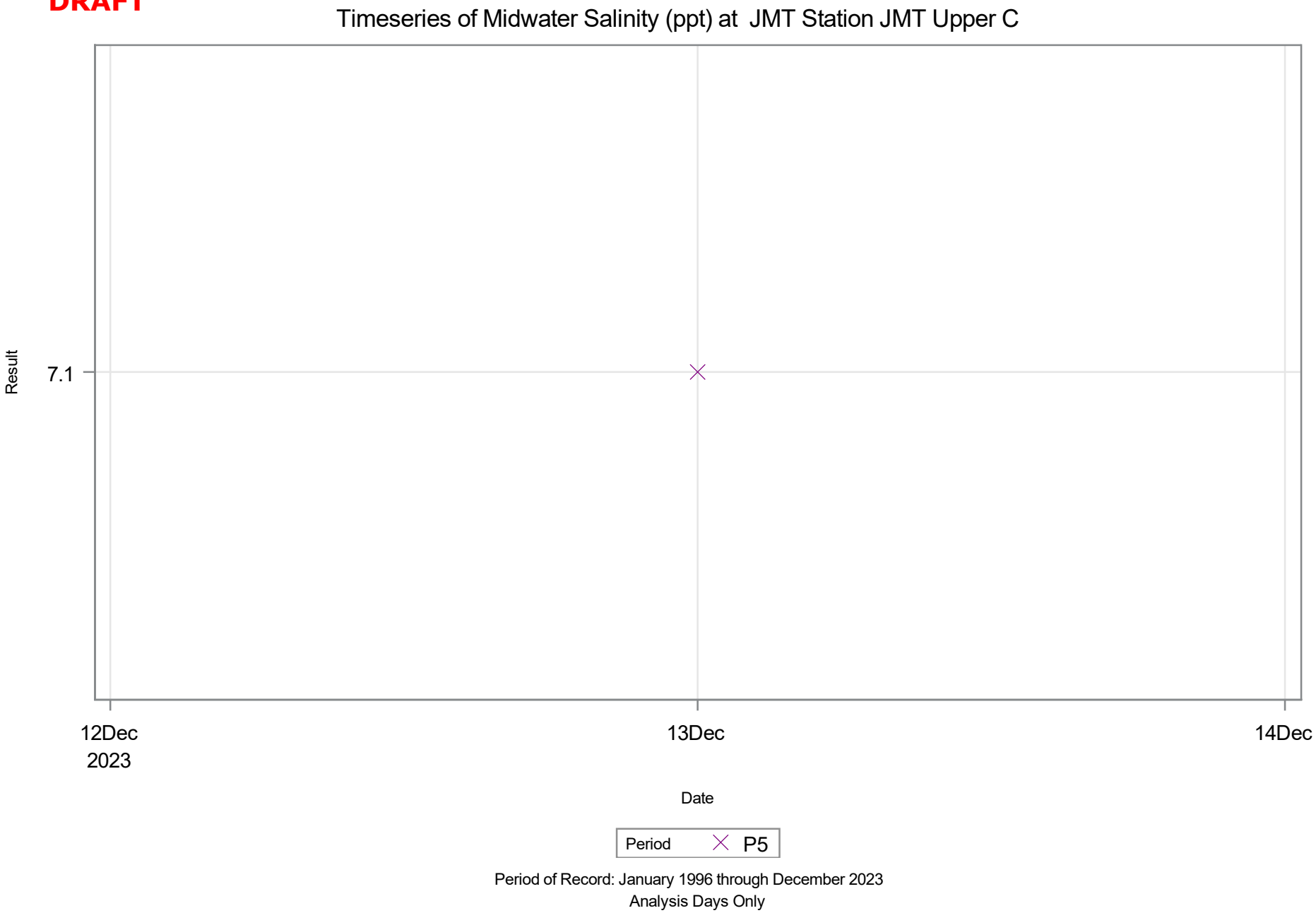
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	7.29	7.29	7.29	7.29	7.29	7.29

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

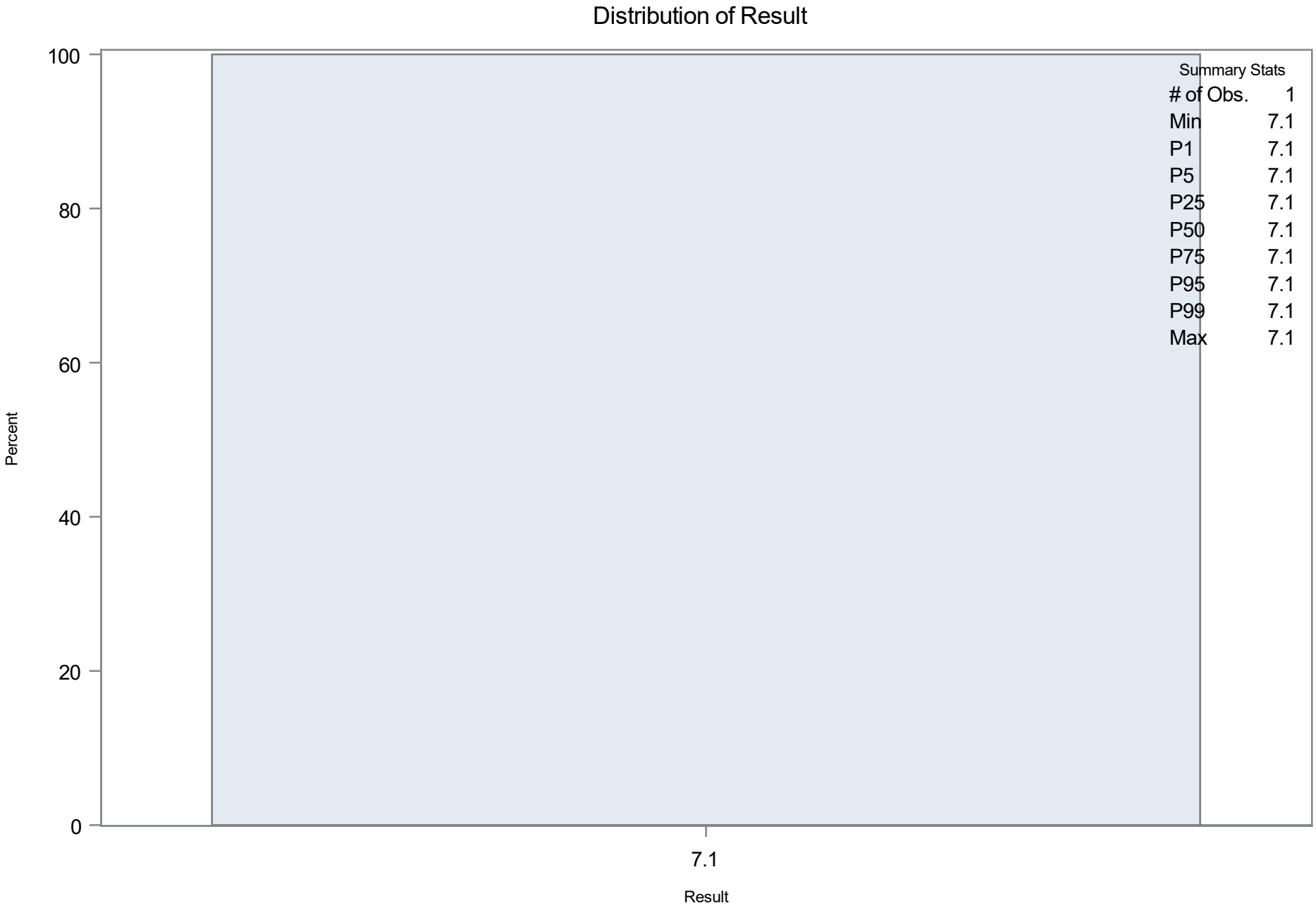

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Upper C
Result
7.29
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Upper C
Result
7.1
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

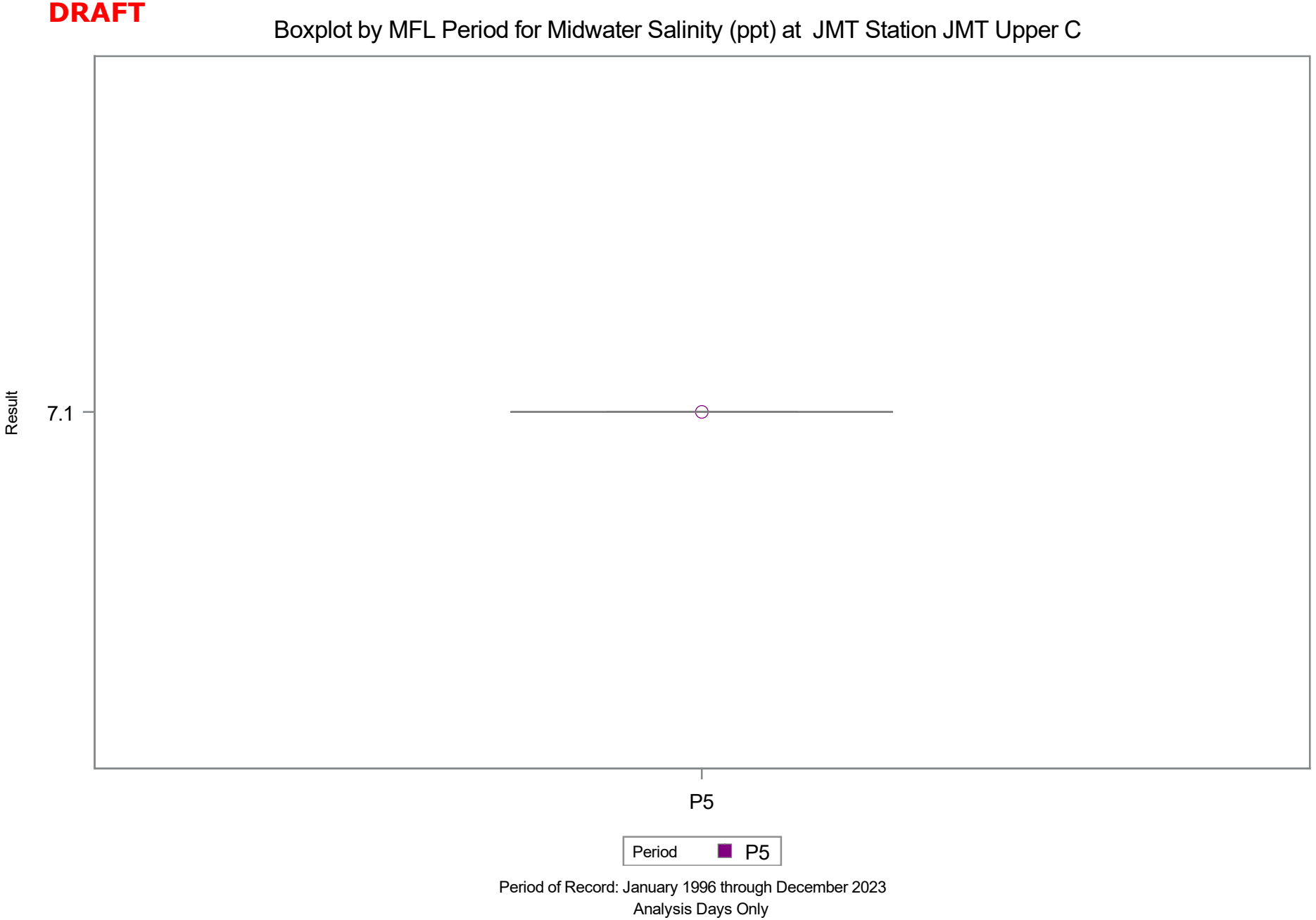
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Upper C

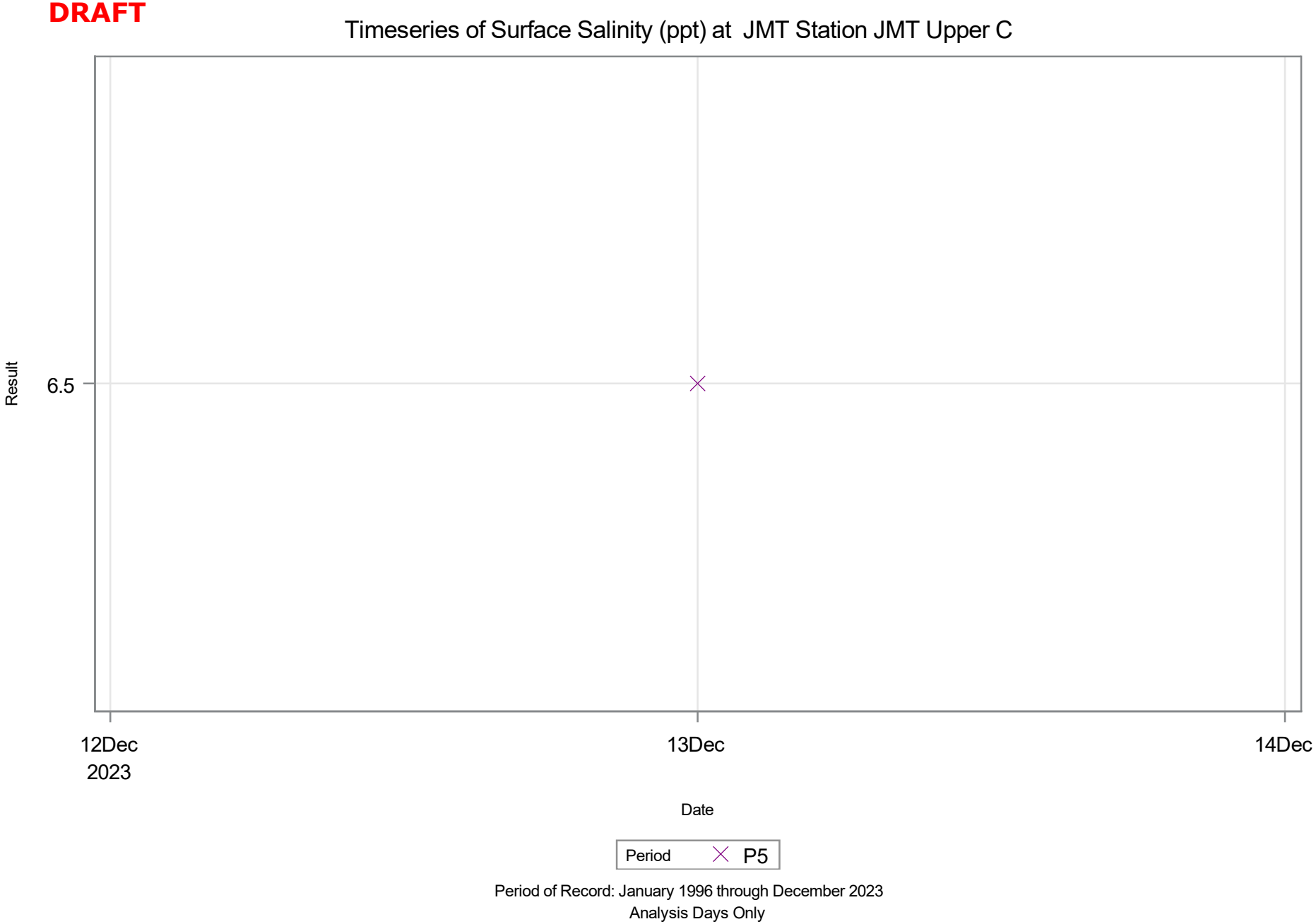
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	7.10	7.10	7.10	7.10	7.10	7.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

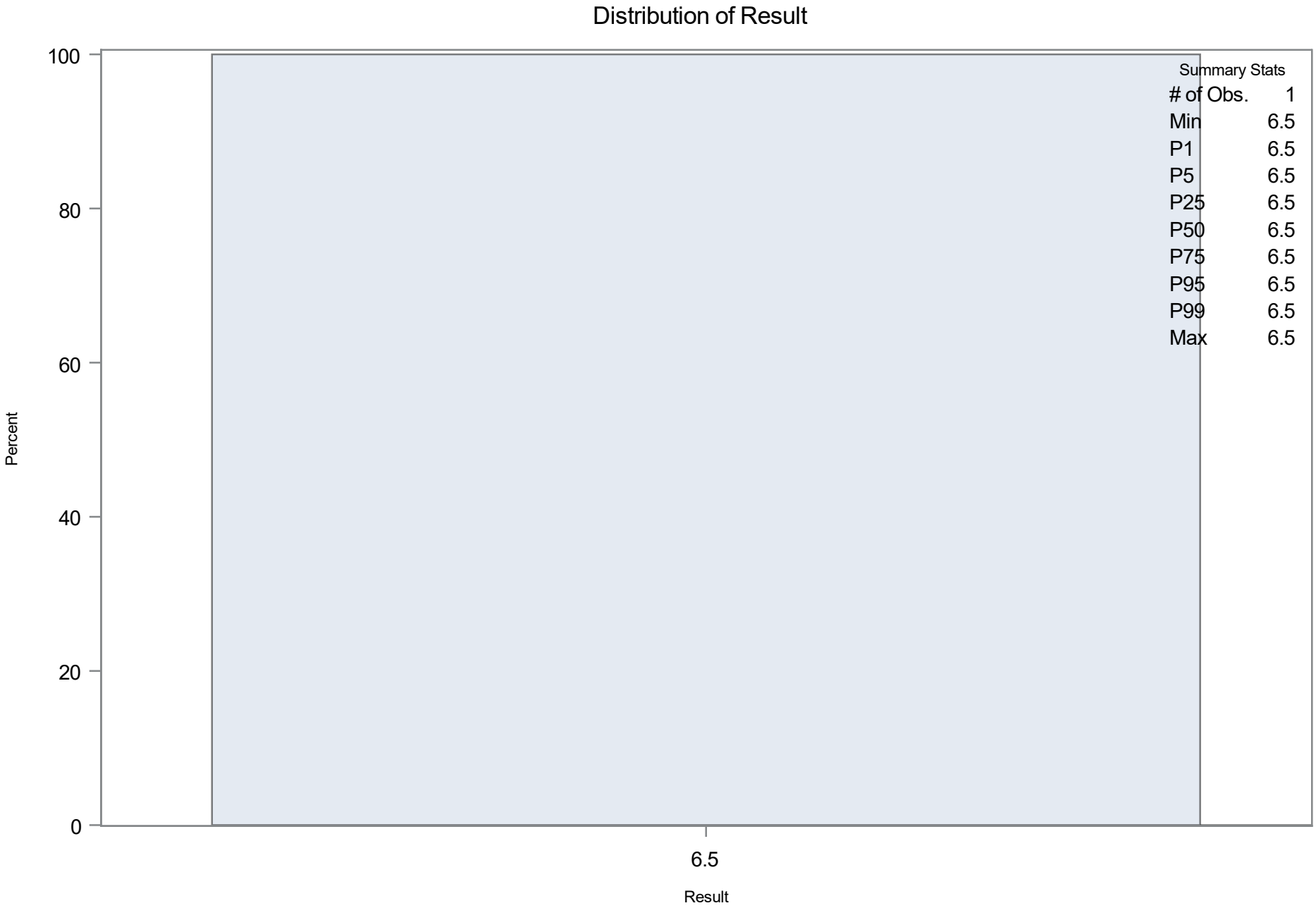

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Upper C
Result
7.1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Upper C
Result
6.5
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

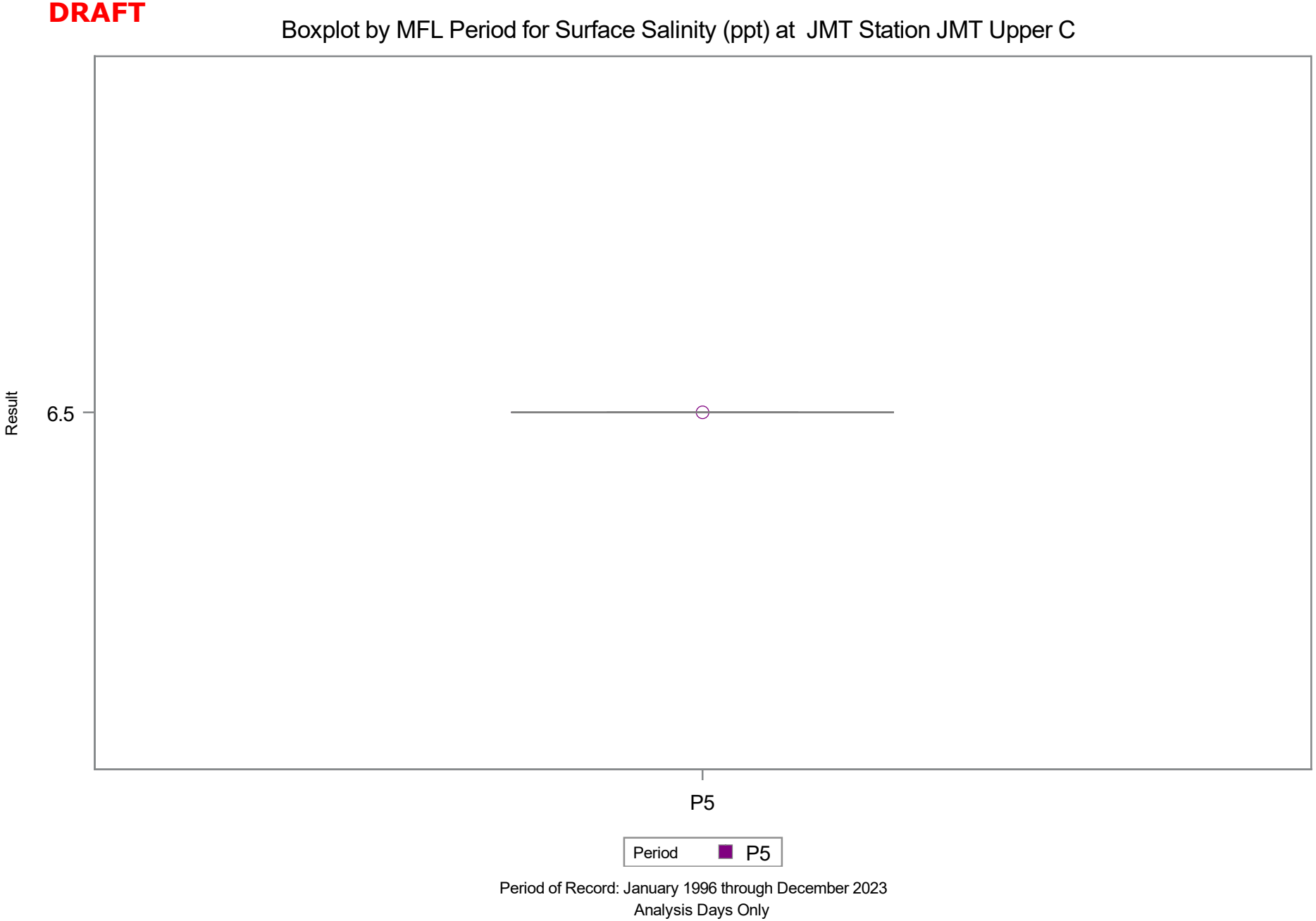
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Upper C

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	6.50	6.50	6.50	6.50	6.50	6.50

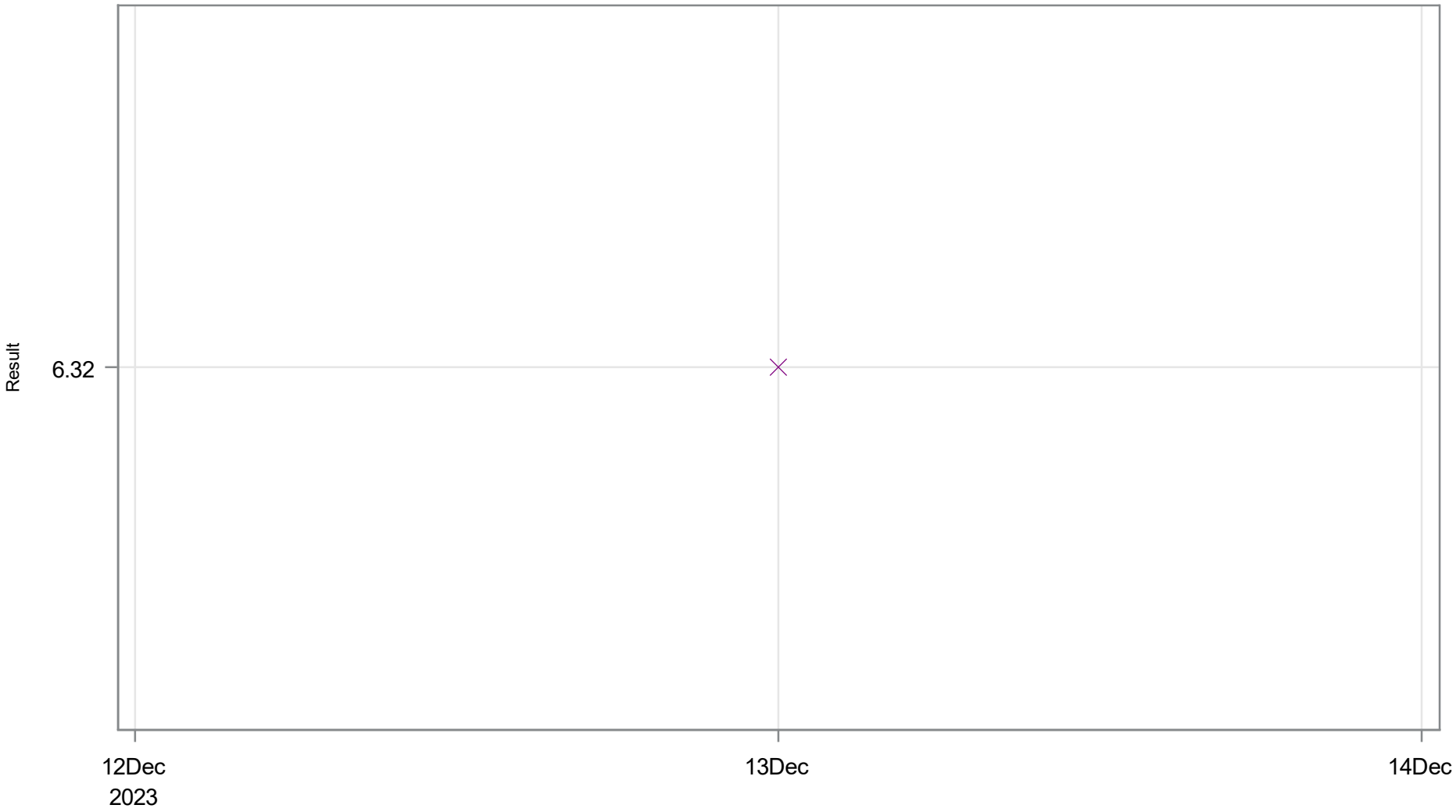
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Upper C
Result
6.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

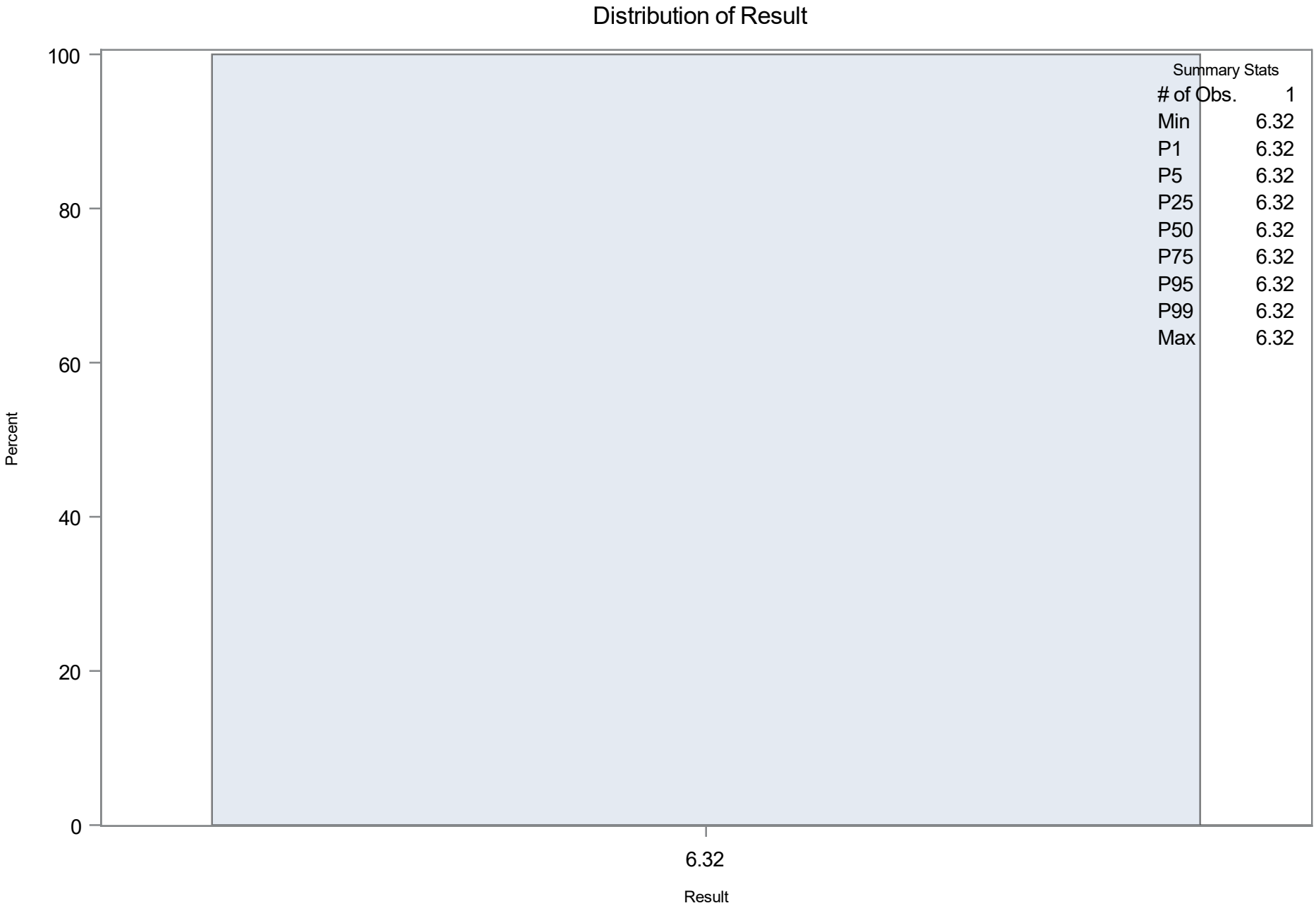
Timeseries of Bottom Salinity (ppt) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

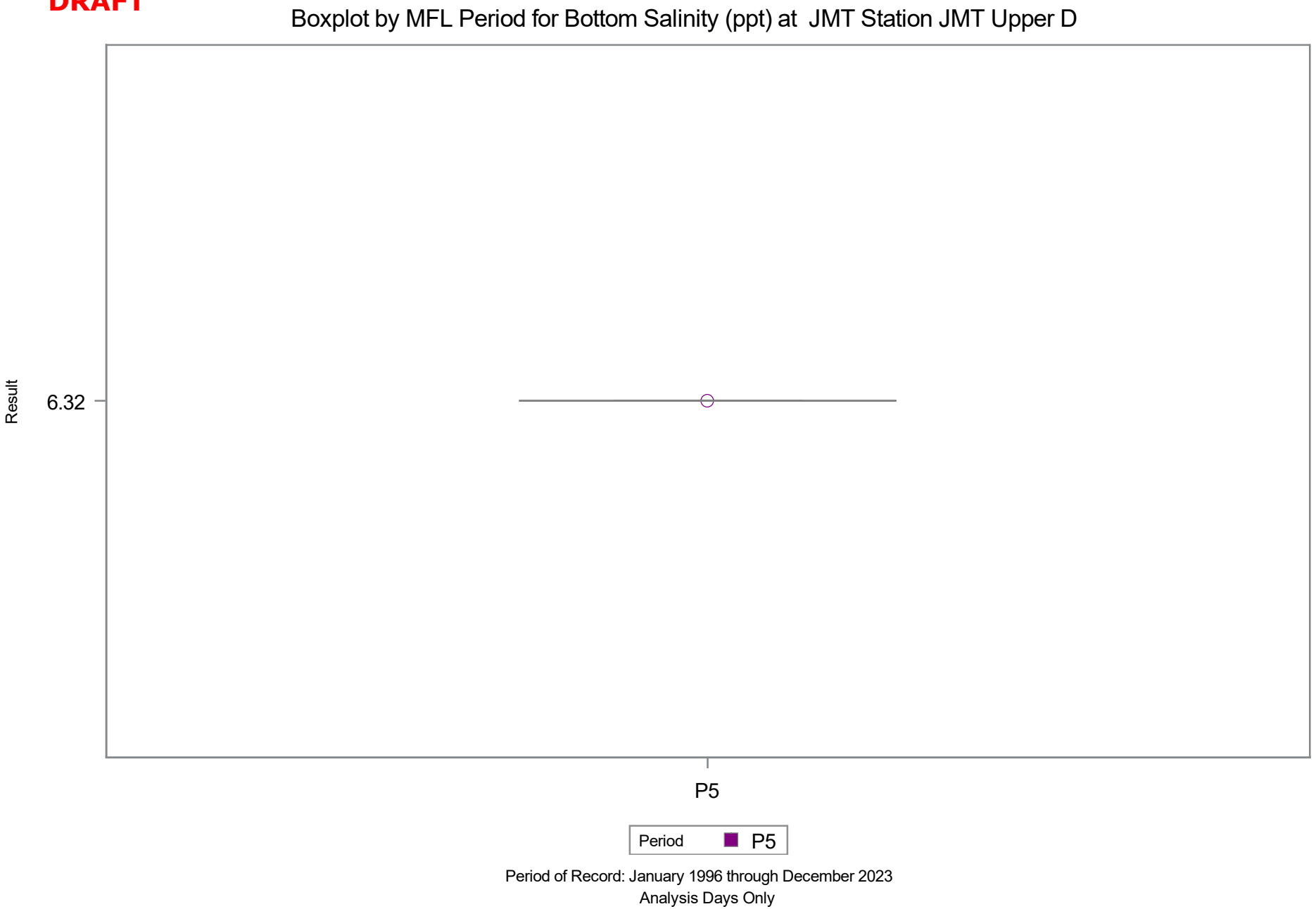
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at JMT Station JMT Upper D

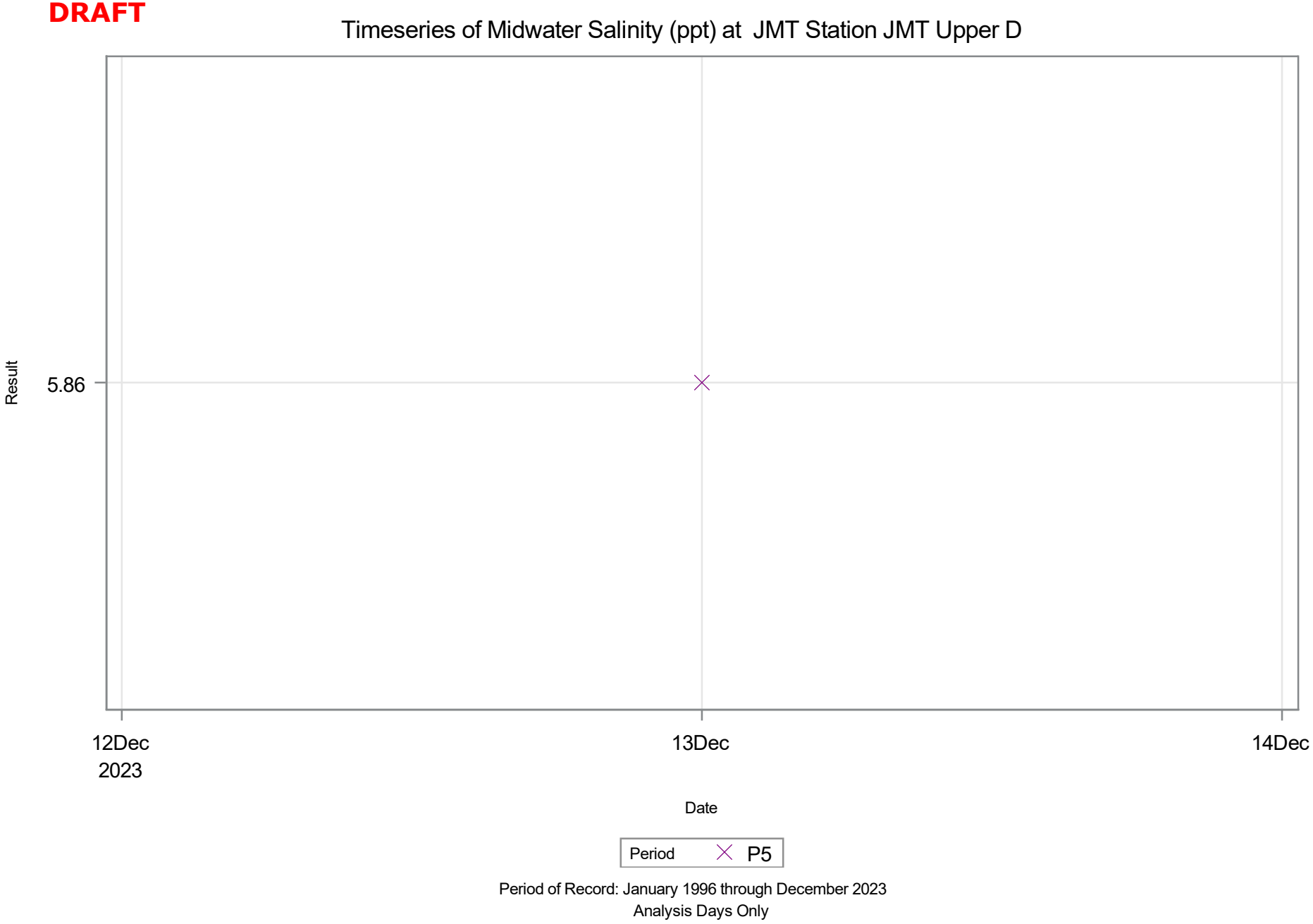
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	6.32	6.32	6.32	6.32	6.32	6.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

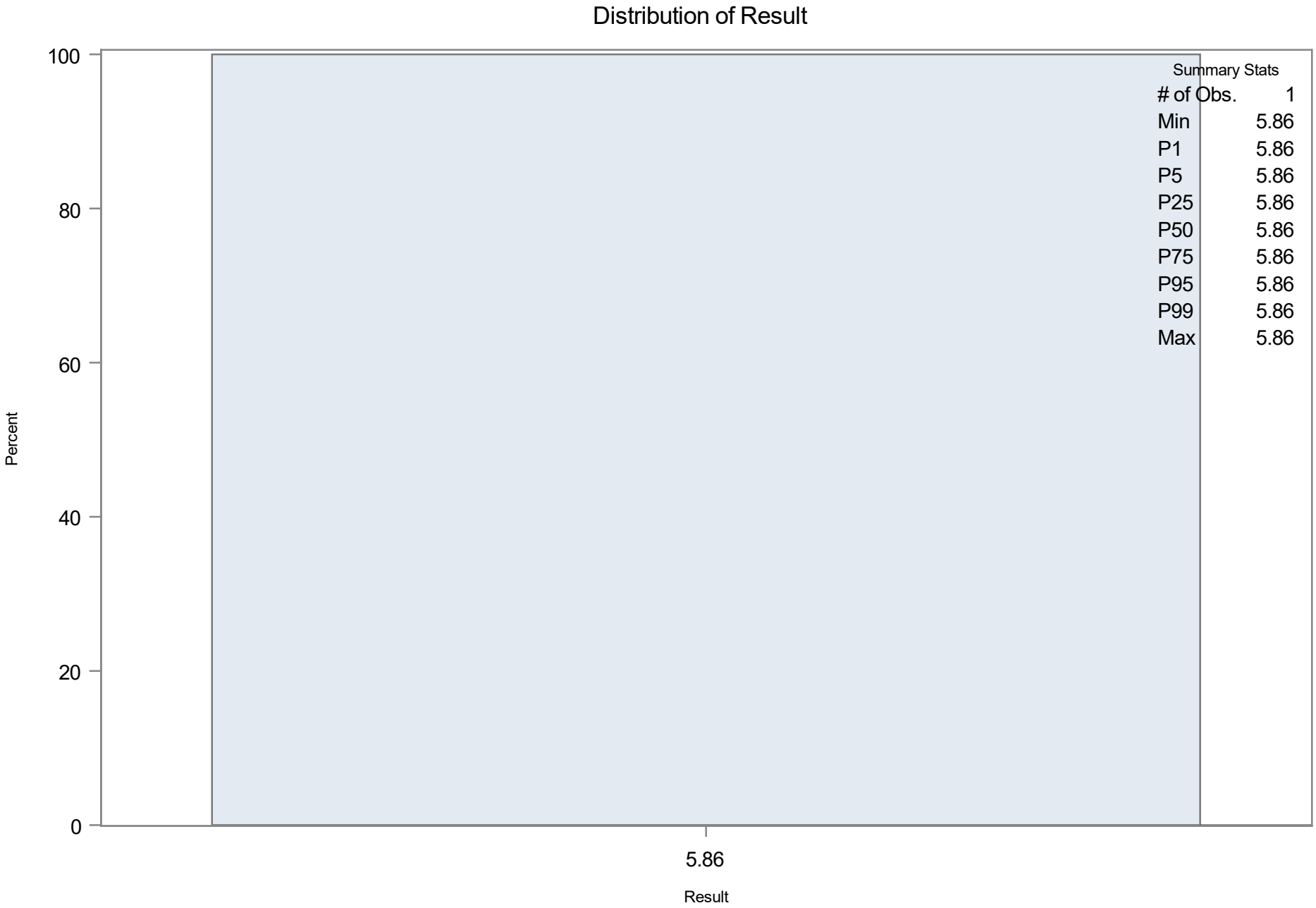

Boxplot by MFL Period for Bottom Salinity (ppt) at JMT Station JMT Upper D
Result
6.32
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at JMT Station JMT Upper D
Result
5.86
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

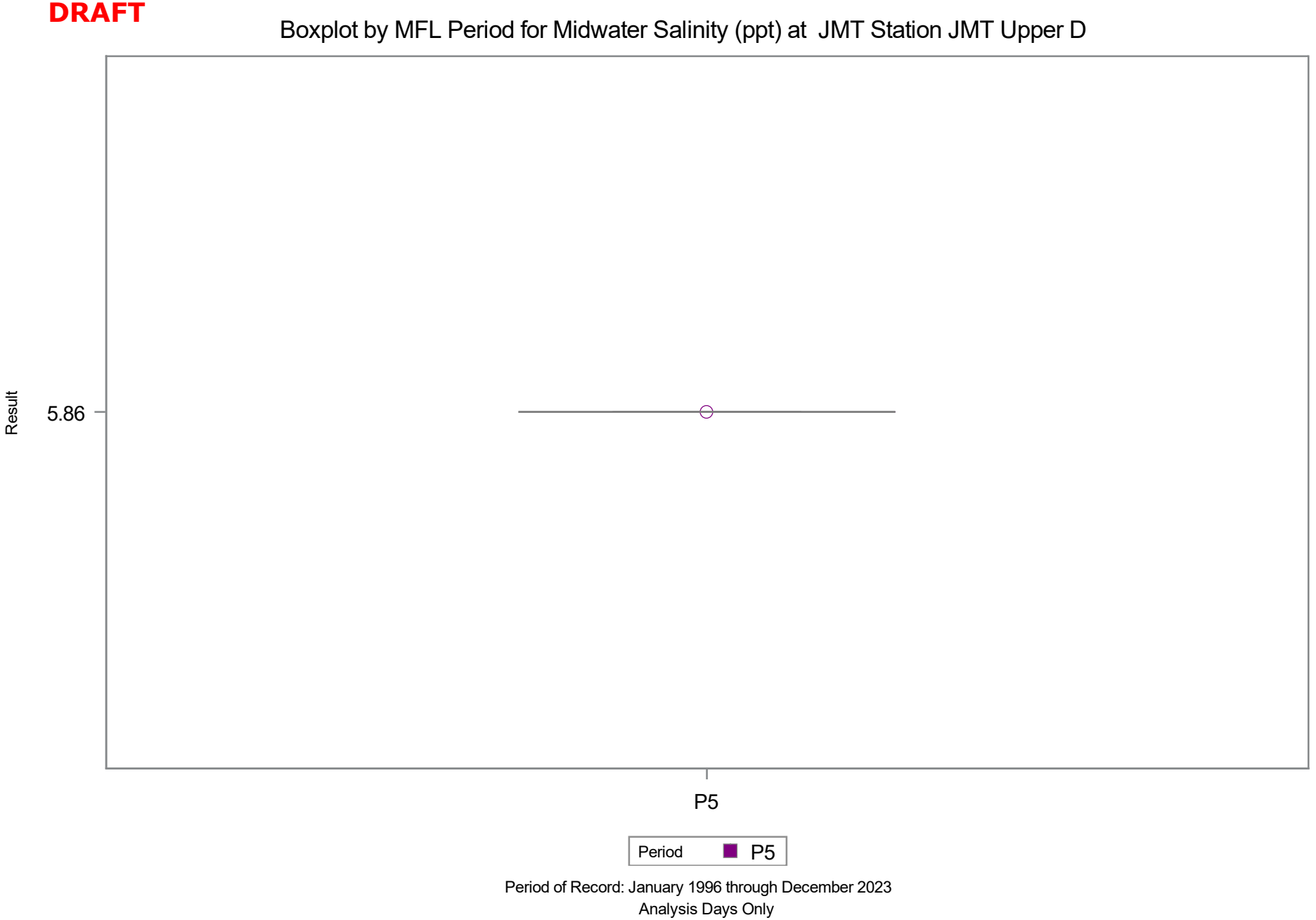
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at JMT Station JMT Upper D

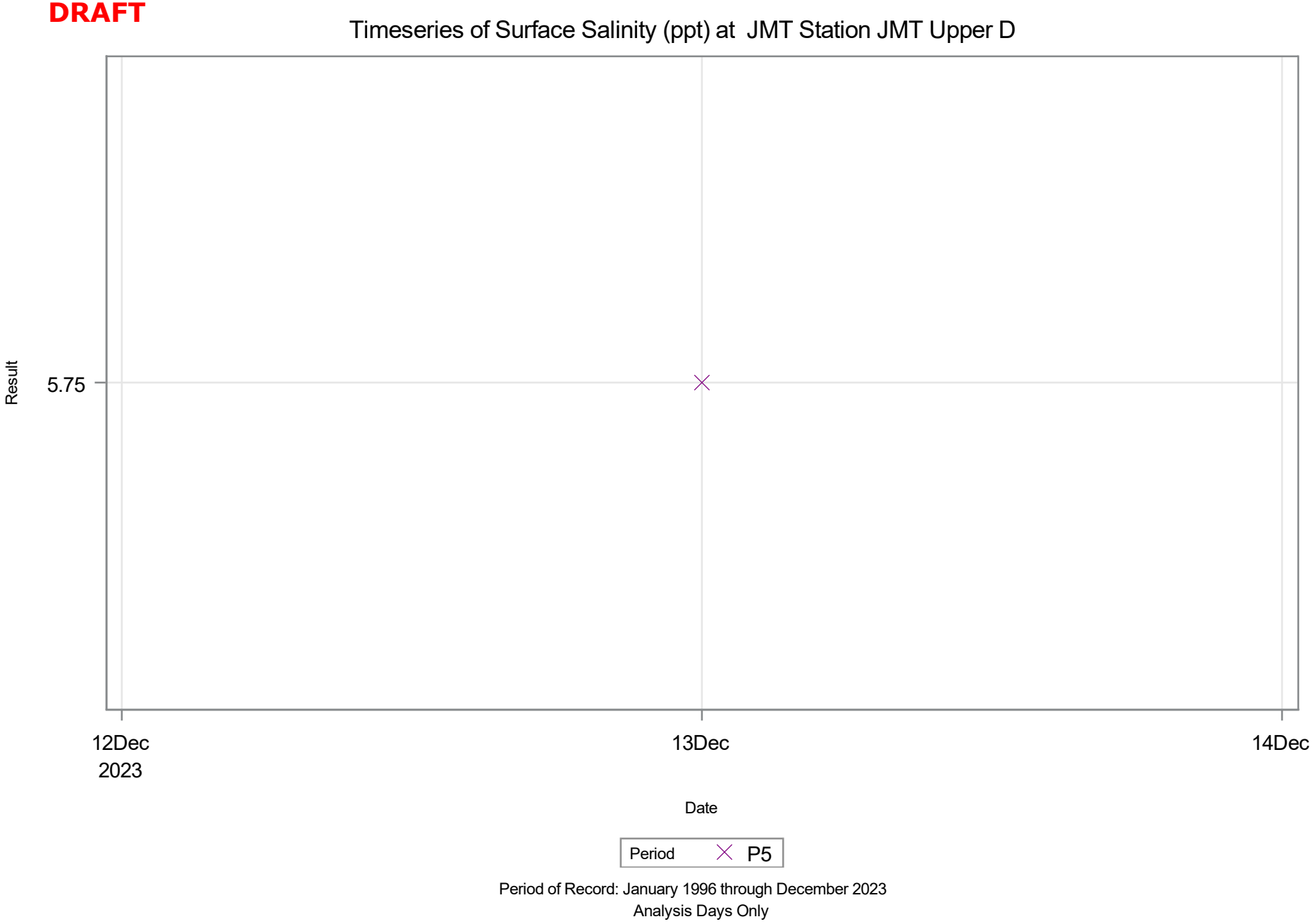
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	5.86	5.86	5.86	5.86	5.86	5.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

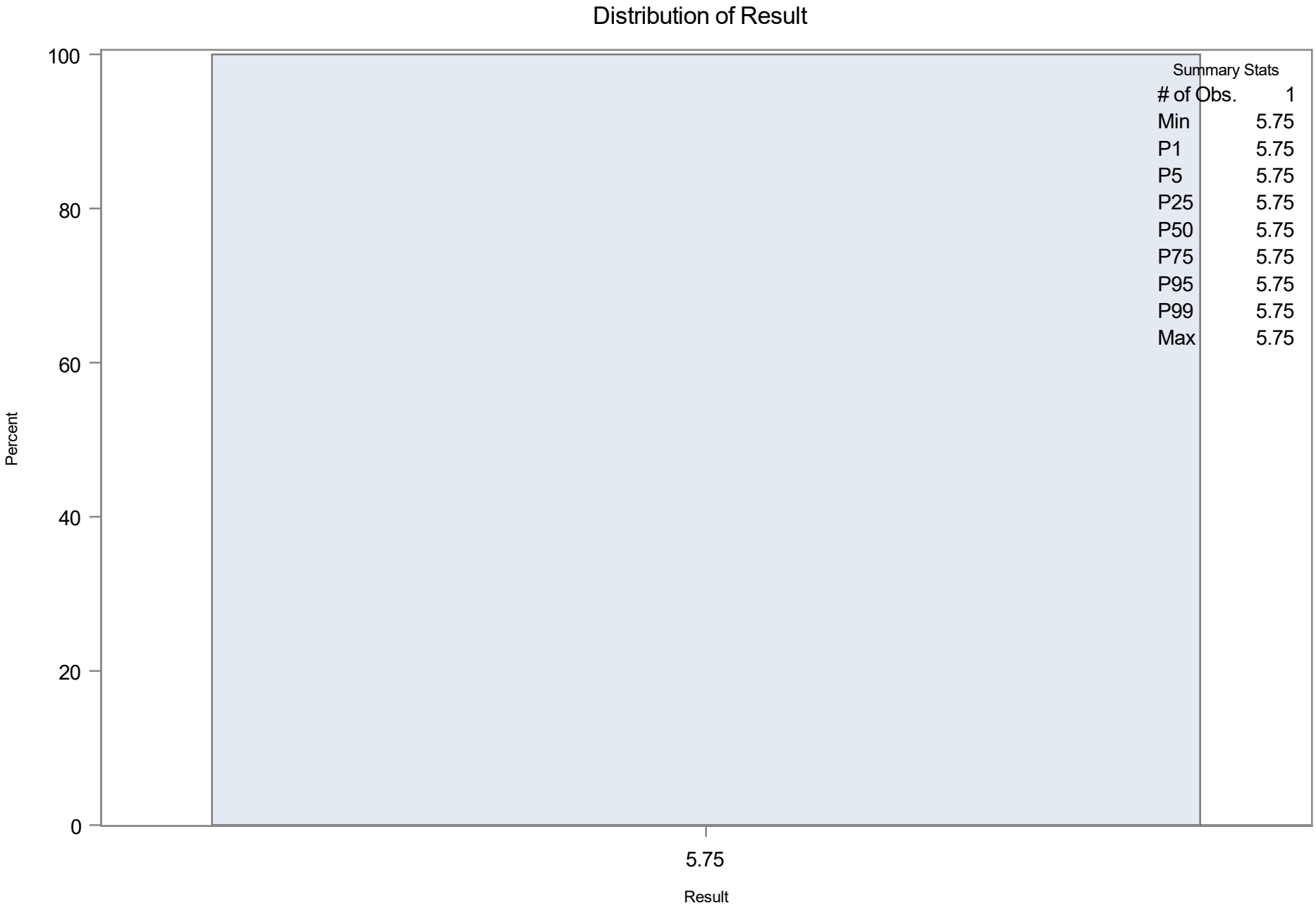

Boxplot by MFL Period for Midwater Salinity (ppt) at JMT Station JMT Upper D
Result
5.86
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at JMT Station JMT Upper D
Result
5.75
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

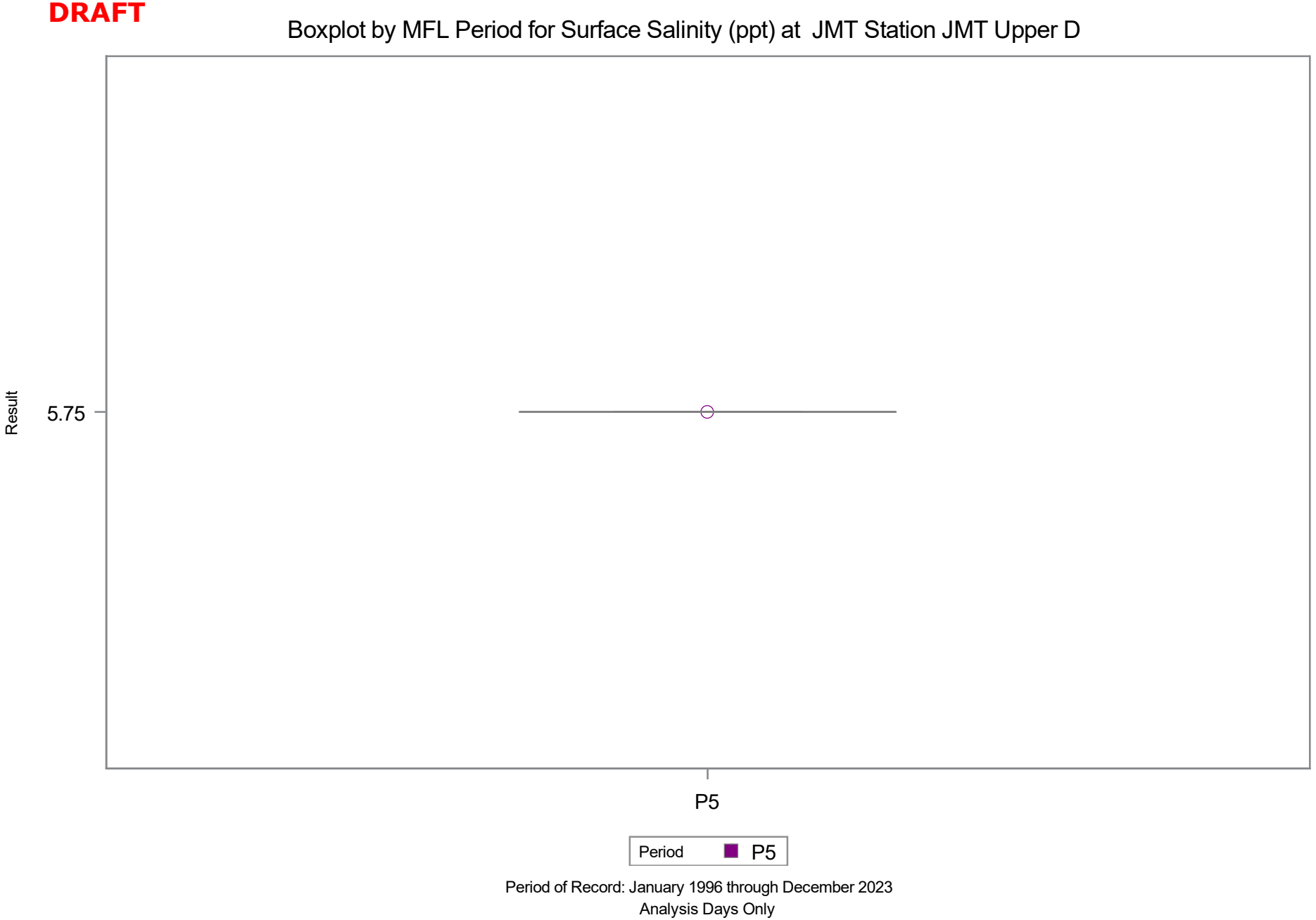
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at JMT Station JMT Upper D

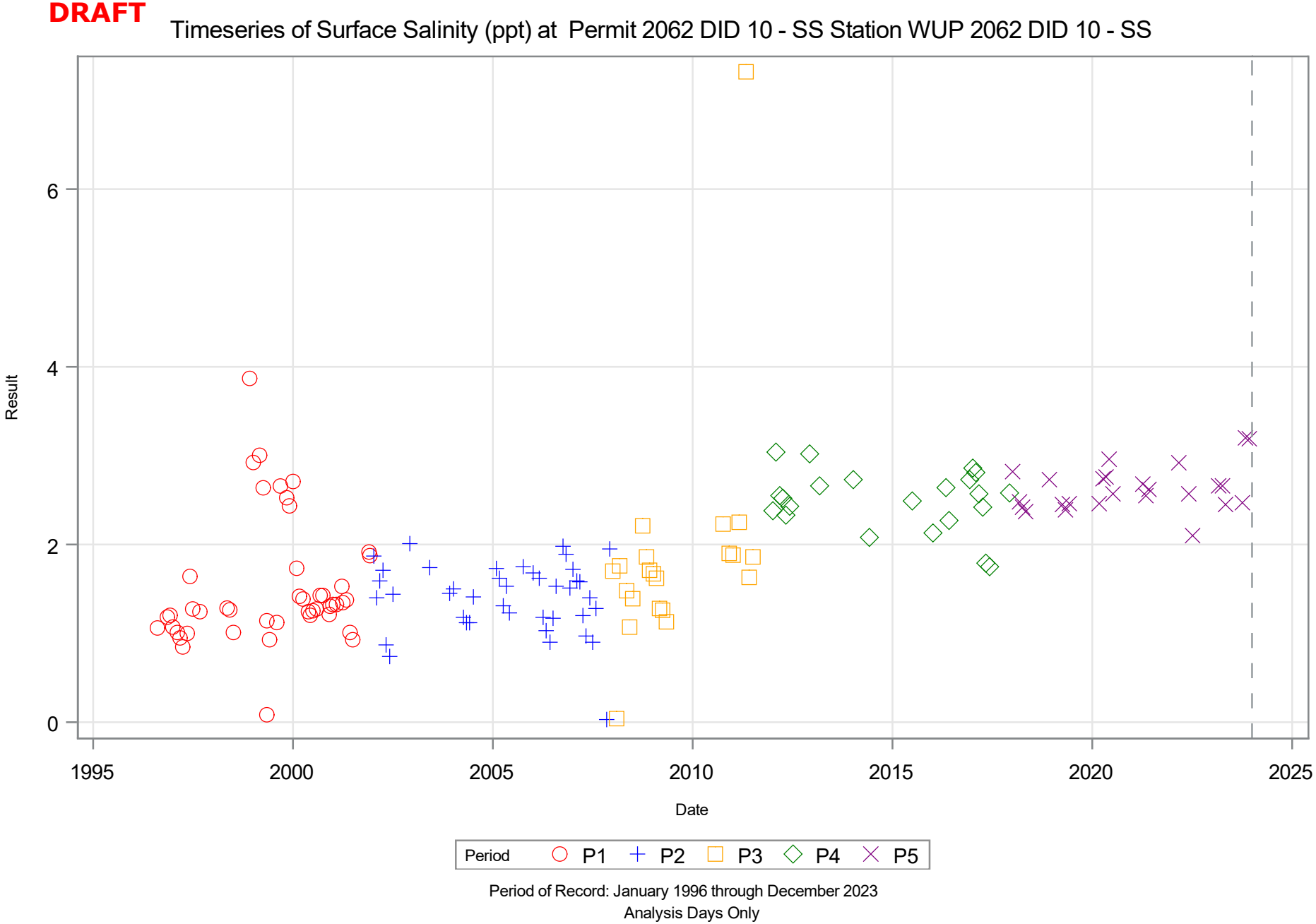
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	5.75	5.75	5.75	5.75	5.75	5.75

Period of Record: January 1996 through December 2023
Analysis Days Only

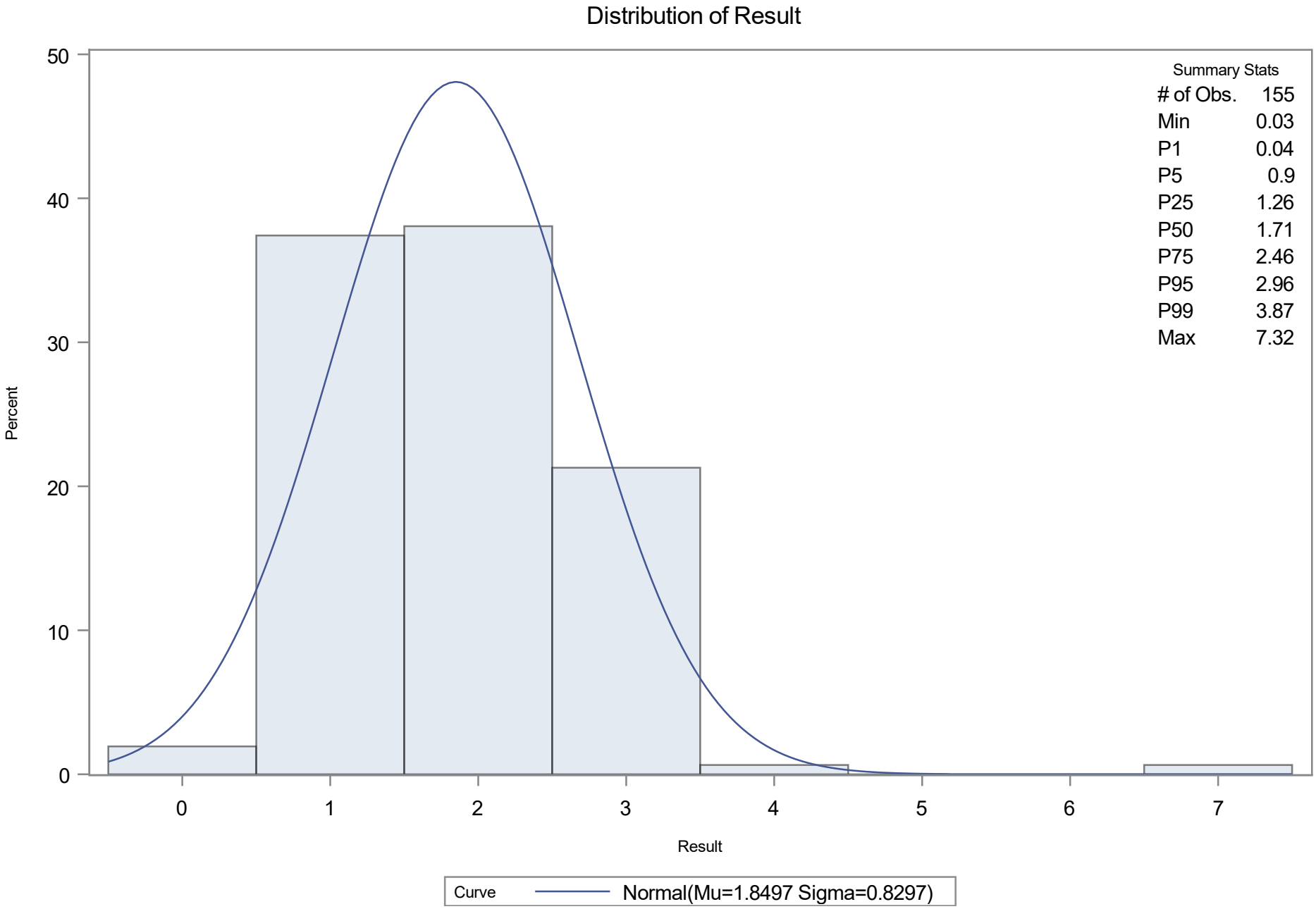
DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at JMT Station JMT Upper D
Result
5.75
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
0
2
4
6
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity (ppt) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity (ppt) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.849742
Std Dev	Sigma	0.829656

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09790737	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.38719036	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.62989051	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.04000	-0.08033
5.0	0.90000	0.48508
10.0	1.01000	0.78650
25.0	1.26000	1.29015
50.0	1.71000	1.84974
75.0	2.46000	2.40934
90.0	2.73000	2.91299
95.0	2.96000	3.21440
99.0	3.87000	3.77981

Period of Record: January 1996 through December 2023
Analysis Days Only

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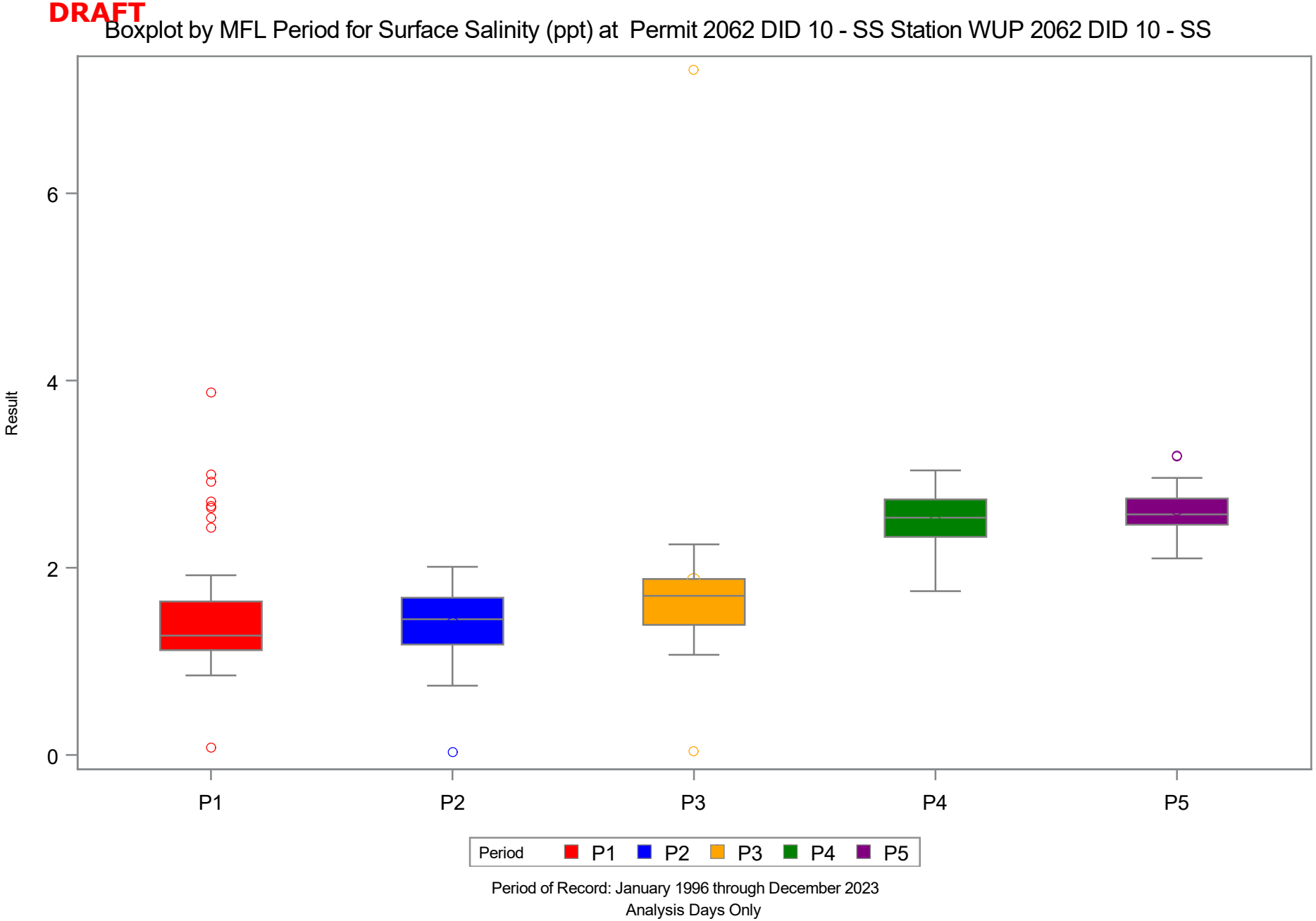
Distributional Statistics by Period for Surface Salinity (ppt) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

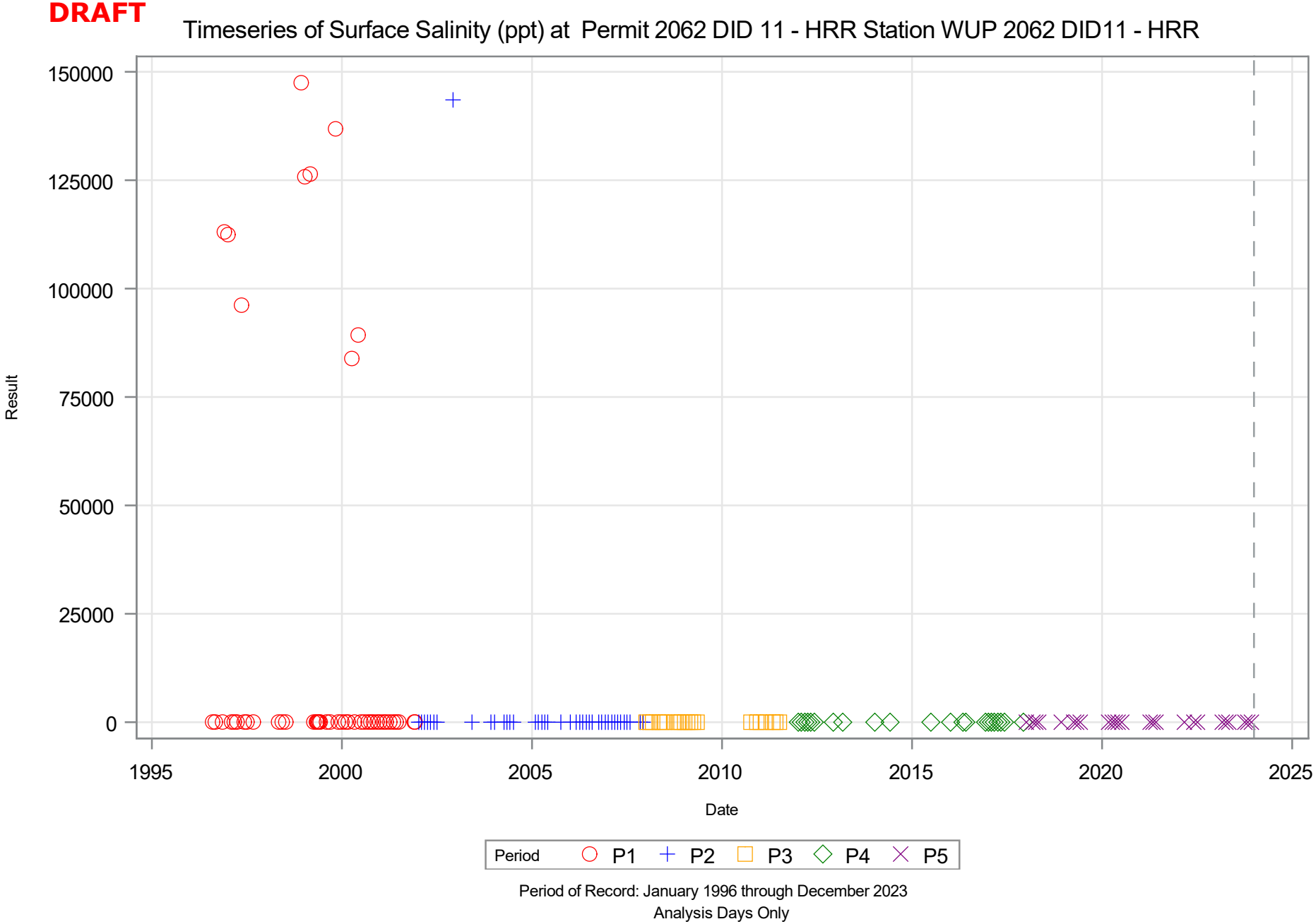
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.08	1.12	1.51	1.28	1.64	3.87
P2	41	0.03	1.18	1.40	1.45	1.68	2.01
P3	21	0.04	1.39	1.87	1.70	1.88	7.32
P4	22	1.75	2.33	2.49	2.54	2.73	3.04
P5	25	2.10	2.46	2.63	2.57	2.74	3.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

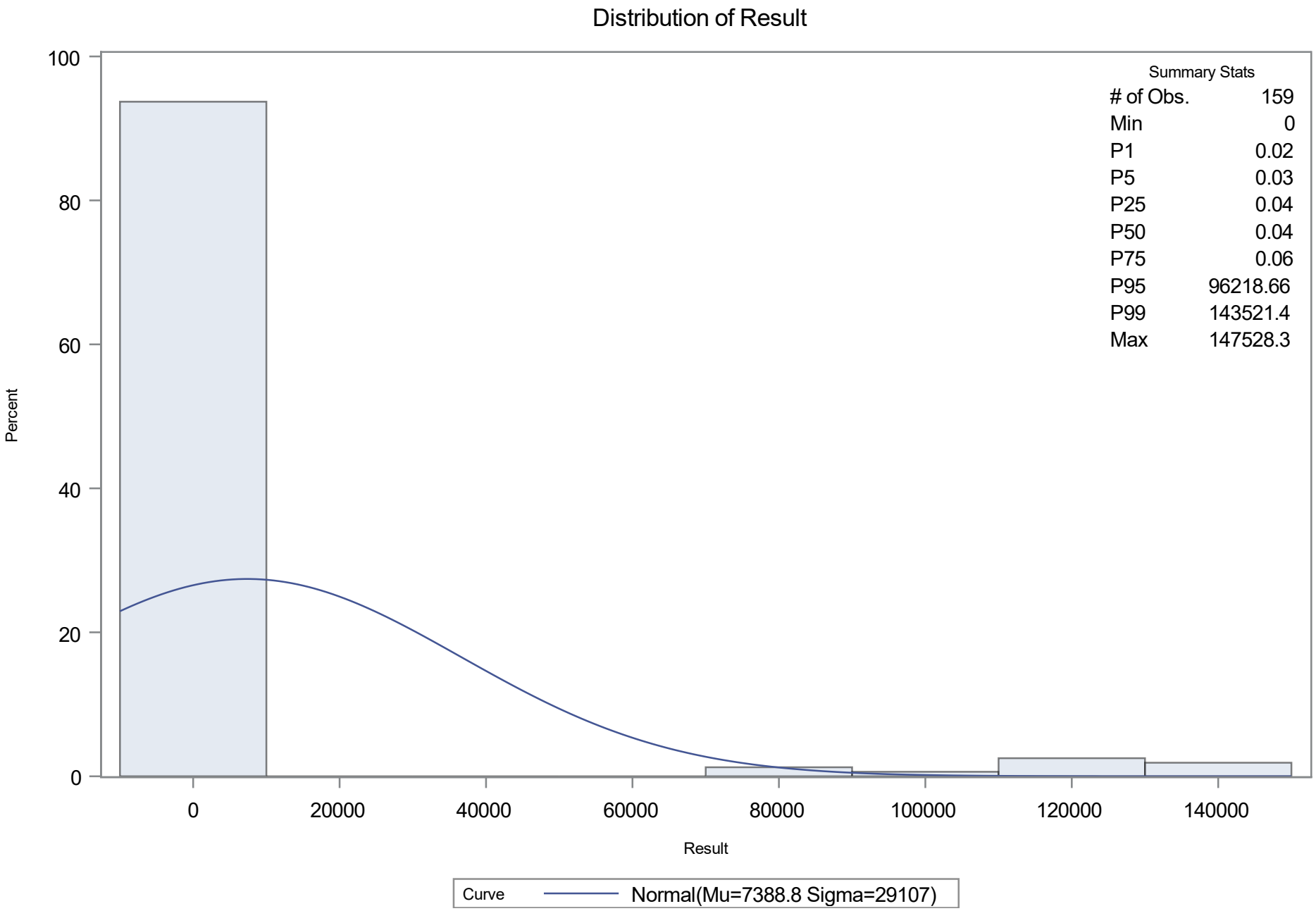

Boxplot by MFL Period for Surface Salinity (ppt) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
0
2
4
6
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR
Result
150000
125000
100000
75000
50000
25000
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7388.761
Std Dev	Sigma	29107.27

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.5372715	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	11.6202487	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	54.9412957	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.0200	-60324.87
5.0	0.0300	-40488.43
10.0	0.0300	-29913.70
25.0	0.0400	-12243.79
50.0	0.0400	7388.76
75.0	0.0600	27021.31
90.0	1.0700	44691.22
95.0	96218.6600	55265.95
99.0	143521.3600	75102.39

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

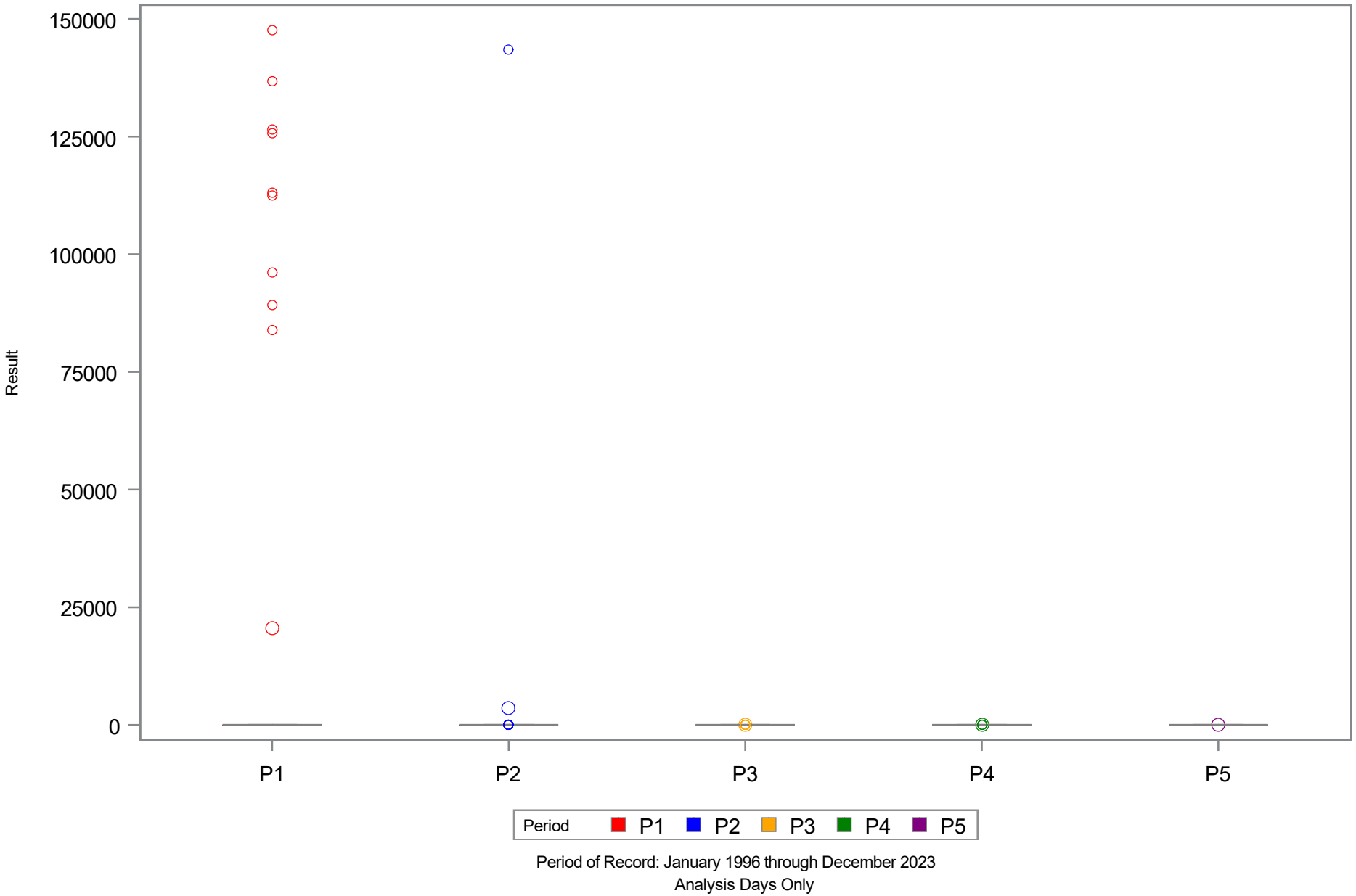
Distributional Statistics by Period for Surface Salinity (ppt) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	50	0.02	0.04	20625.64	0.08	0.91	147528.29
P2	41	0.02	0.04	3500.61	0.04	0.05	143521.36
P3	21	0.03	0.04	0.18	0.04	0.05	1.75
P4	22	0.00	0.04	0.04	0.04	0.05	0.08
P5	25	0.04	0.04	0.04	0.04	0.05	0.05

Period of Record: January 1996 through December 2023
Analysis Days Only

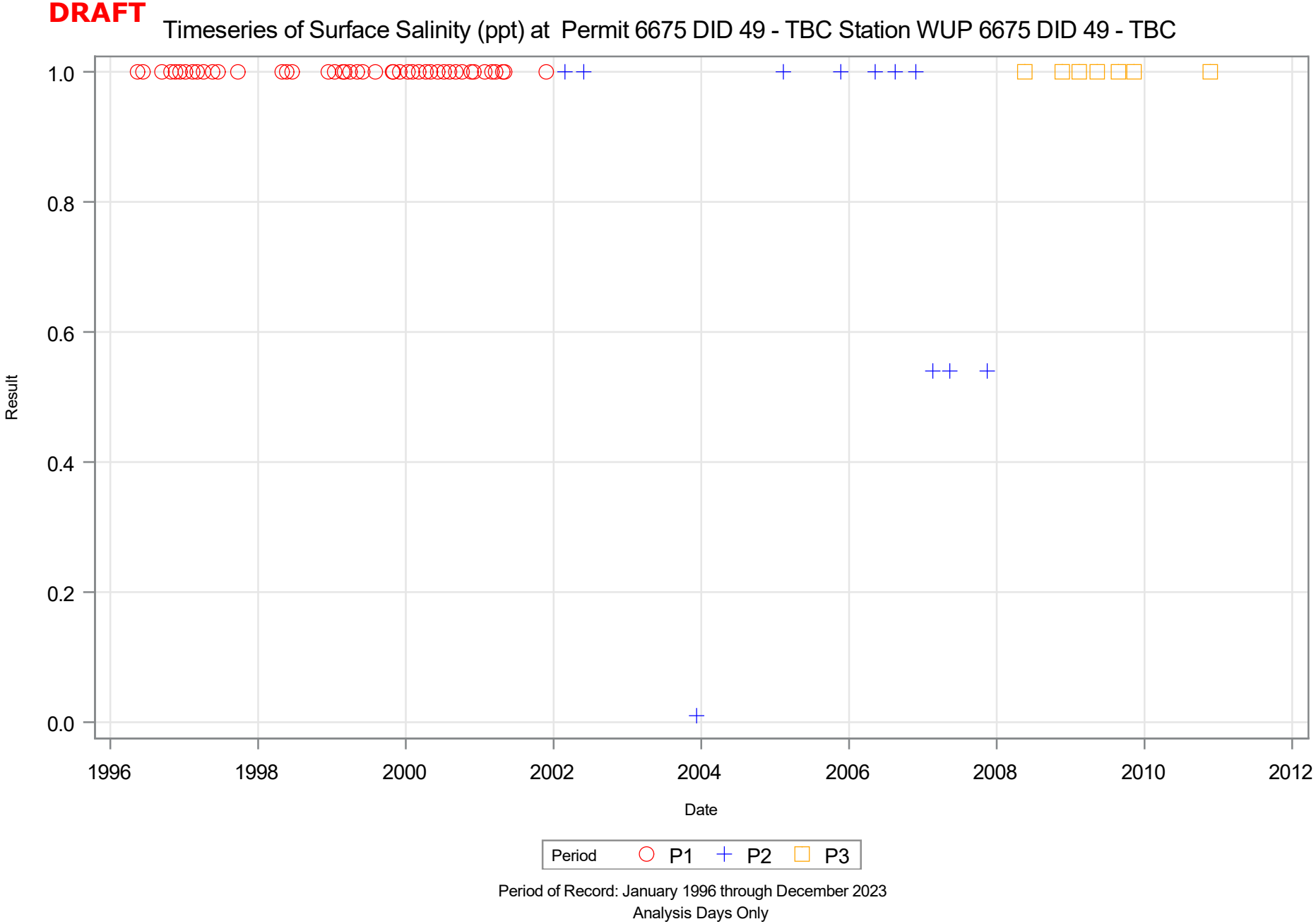
DRAFT

Boxplot by MFL Period for Surface Salinity (ppt) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



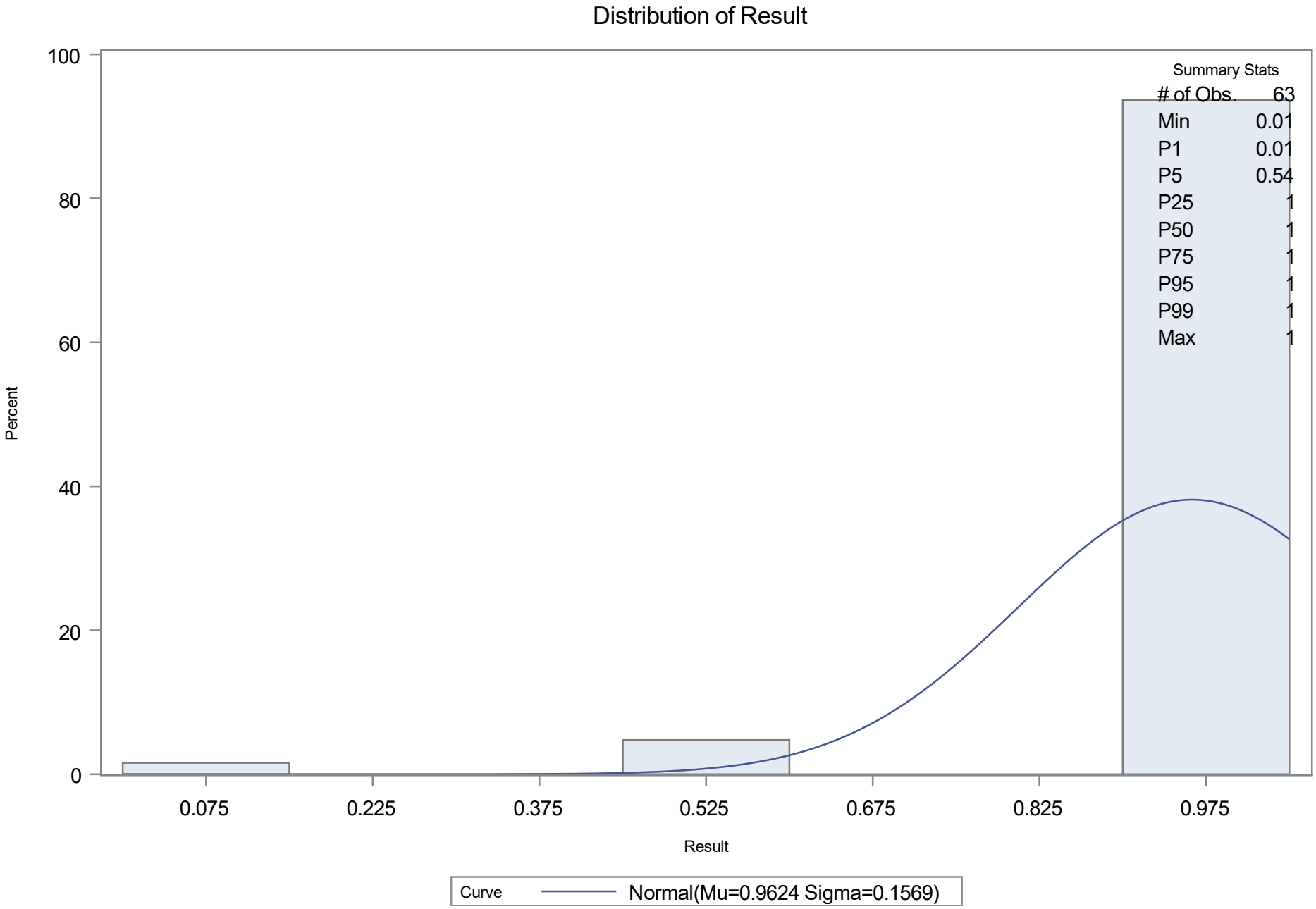
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC
Result
1.0
0.8
0.6
0.4
0.2
0.0
1996
1998
2000
2002
2004
2006
2008
2010
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.962381
Std Dev	Sigma	0.156872

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.5312682	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.5509939	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	21.2121991	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	0.59744
5.0	0.54000	0.70435
10.0	1.00000	0.76134
25.0	1.00000	0.85657
50.0	1.00000	0.96238
75.0	1.00000	1.06819
90.0	1.00000	1.16342
95.0	1.00000	1.22041
99.0	1.00000	1.32732

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

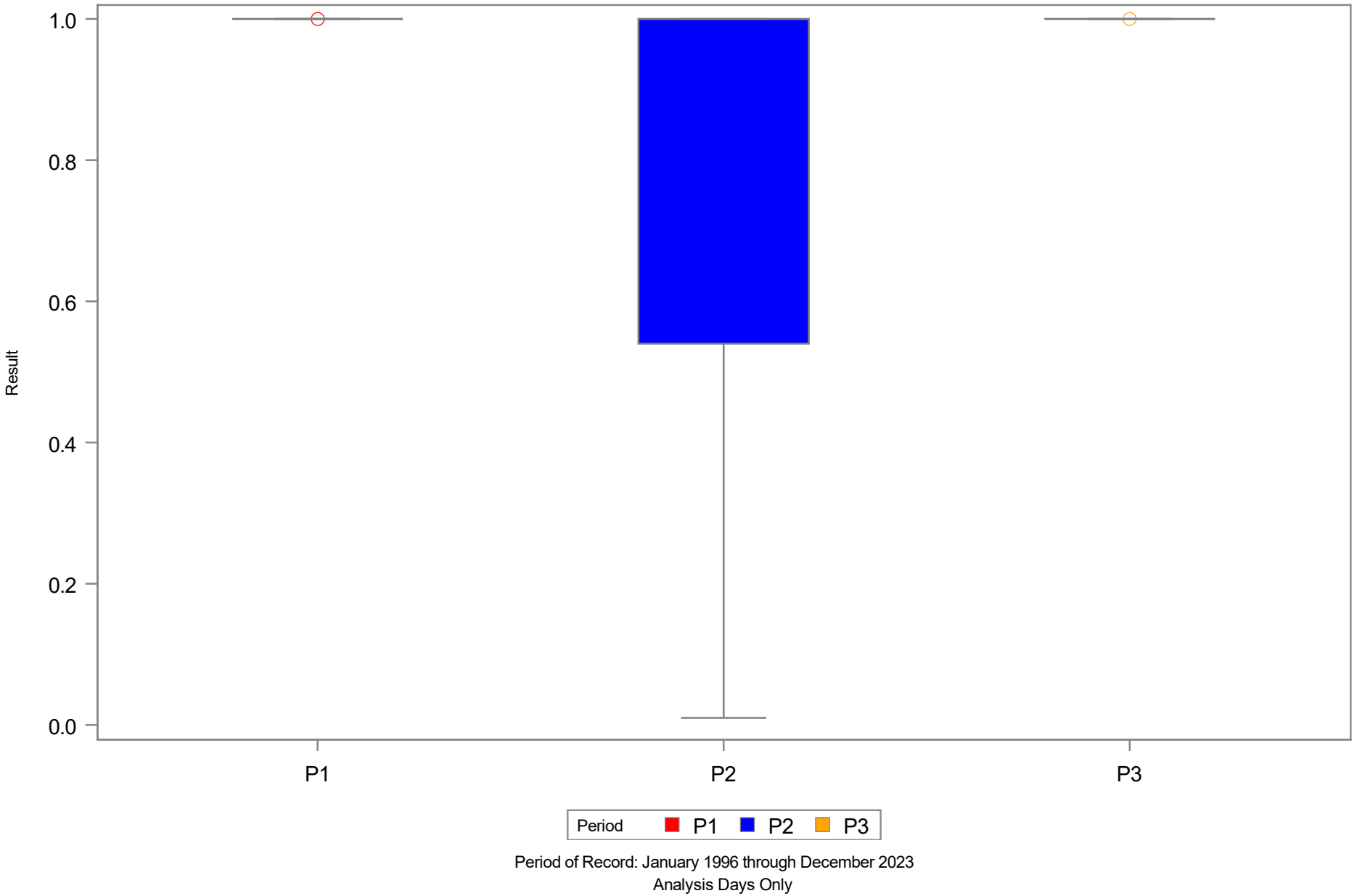
Distributional Statistics by Period for Surface Salinity (ppt) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	1.00	1.00	1.00	1.00	1.00	1.00
P2	11	0.01	0.54	0.78	1.00	1.00	1.00
P3	7	1.00	1.00	1.00	1.00	1.00	1.00

Period of Record: January 1996 through December 2023
Analysis Days Only

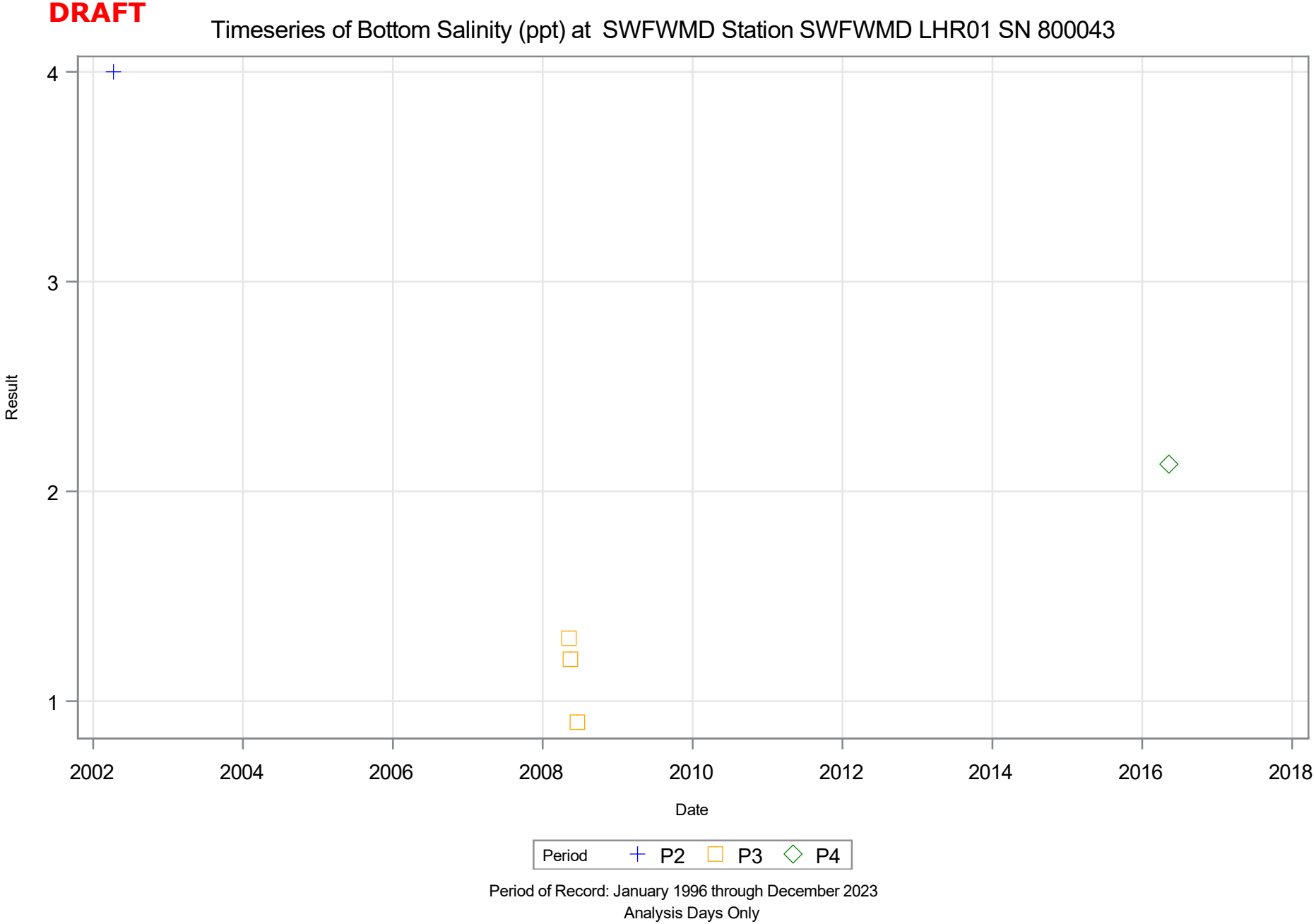
DRAFT

Boxplot by MFL Period for Surface Salinity (ppt) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



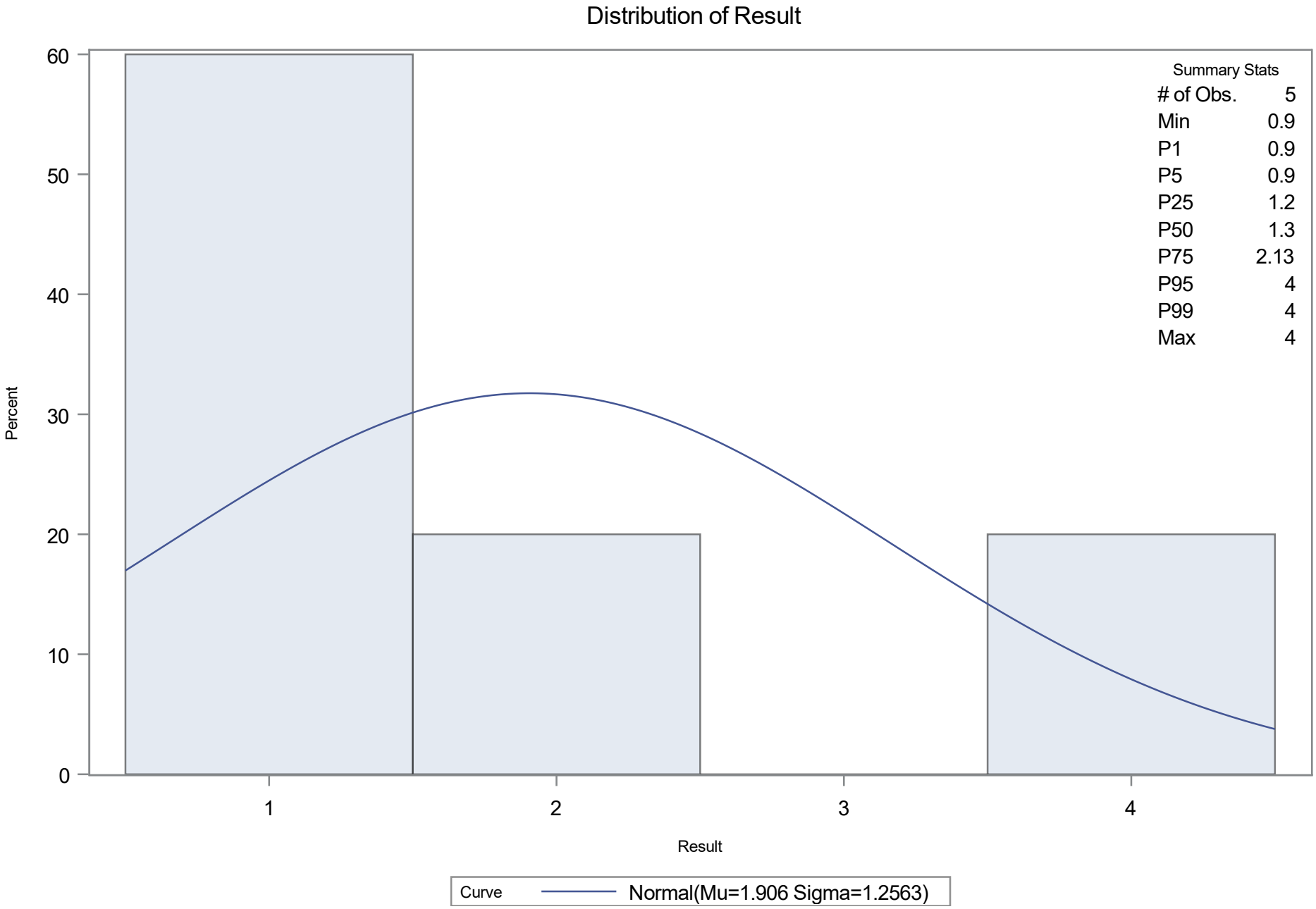
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
4
3
2
1
2002
2004
2006
2008
2010
2012
2014
2016
2018
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.906
Std Dev	Sigma	1.256256

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.28523398	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08303704	**Pr > W-Sq**	0.149
Anderson-Darling	**A-Sq**	0.48397697	**Pr > A-Sq**	0.122

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.90000	-1.01649
5.0	0.90000	-0.16036
10.0	0.90000	0.29604
25.0	1.20000	1.05867
50.0	1.30000	1.90600
75.0	2.13000	2.75333
90.0	4.00000	3.51596
95.0	4.00000	3.97236
99.0	4.00000	4.82849

Period of Record: January 1996 through December 2023
Analysis Days Only

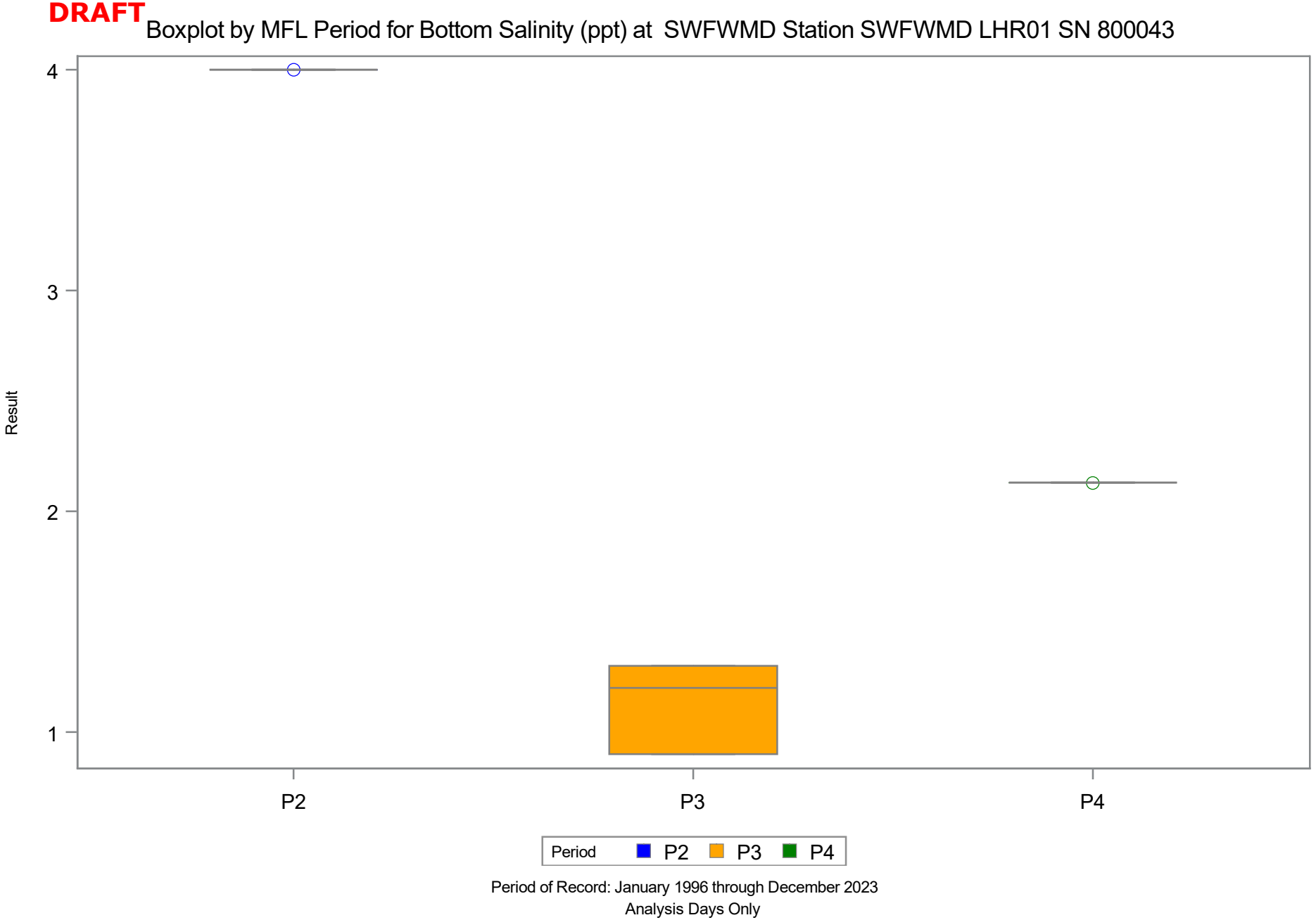
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043

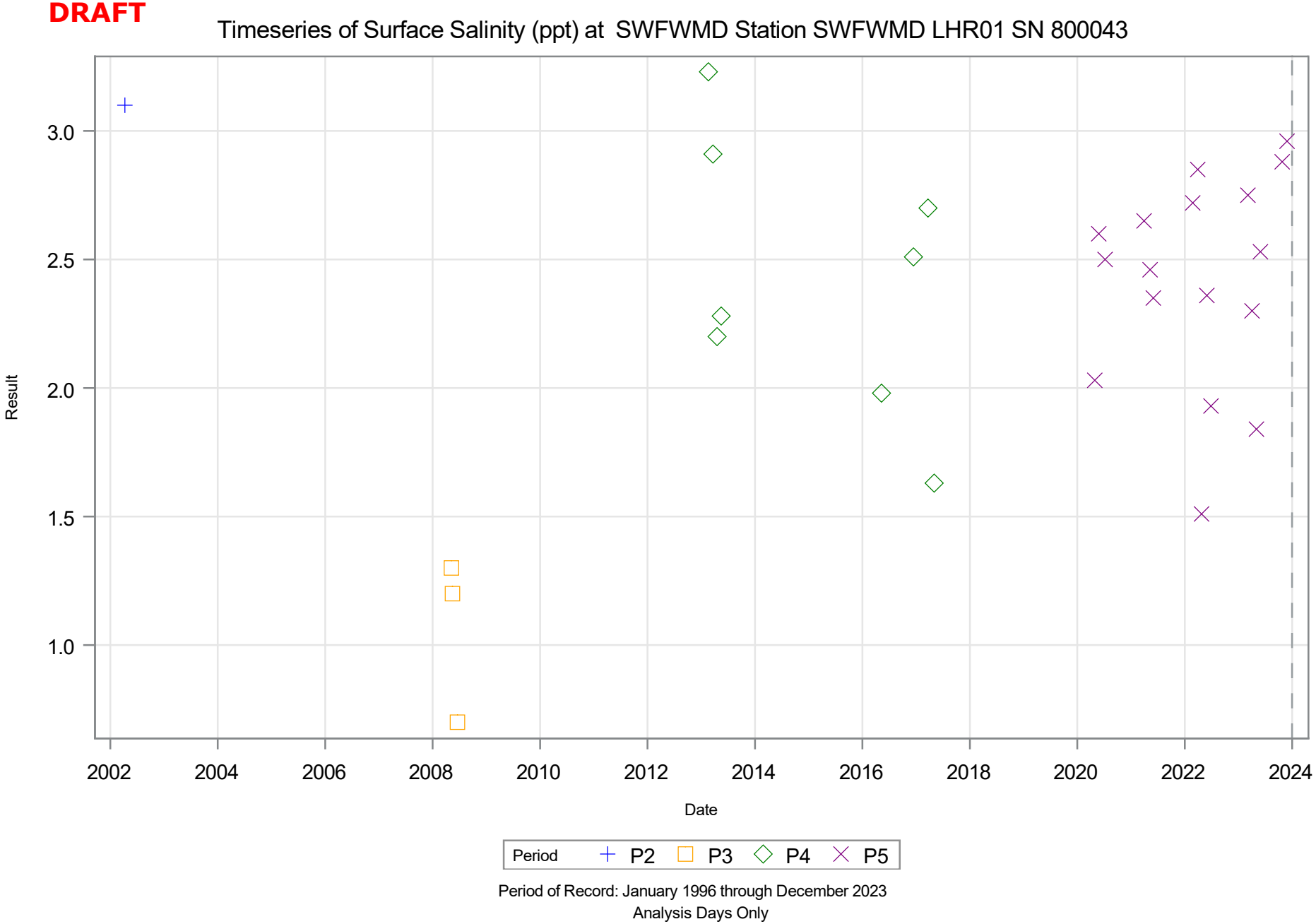
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	4.00	4.00	4.00	4.00	4.00	4.00
P3	3	0.90	0.90	1.13	1.20	1.30	1.30
P4	1	2.13	2.13	2.13	2.13	2.13	2.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

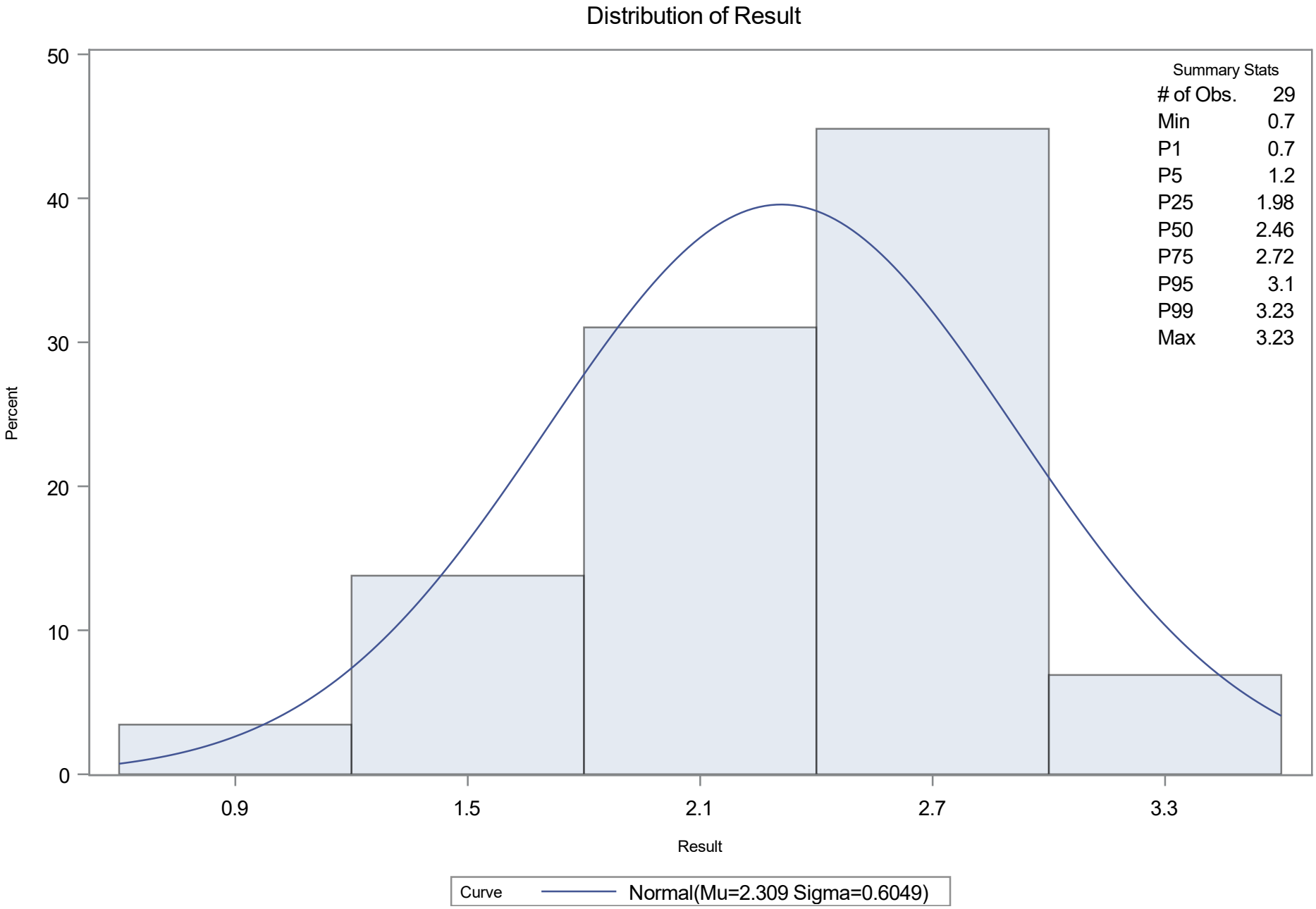

Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
4
3
2
1
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
3.0
2.5
2.0
1.5
1.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.308966
Std Dev	Sigma	0.604934

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13607752	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09572858	**Pr > W-Sq**	0.125
Anderson-Darling	**A-Sq**	0.56404859	**Pr > A-Sq**	0.136

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.70000	0.90168
5.0	1.20000	1.31394
10.0	1.30000	1.53371
25.0	1.98000	1.90094
50.0	2.46000	2.30897
75.0	2.72000	2.71699
90.0	2.96000	3.08422
95.0	3.10000	3.30399
99.0	3.23000	3.71625

Period of Record: January 1996 through December 2023
Analysis Days Only

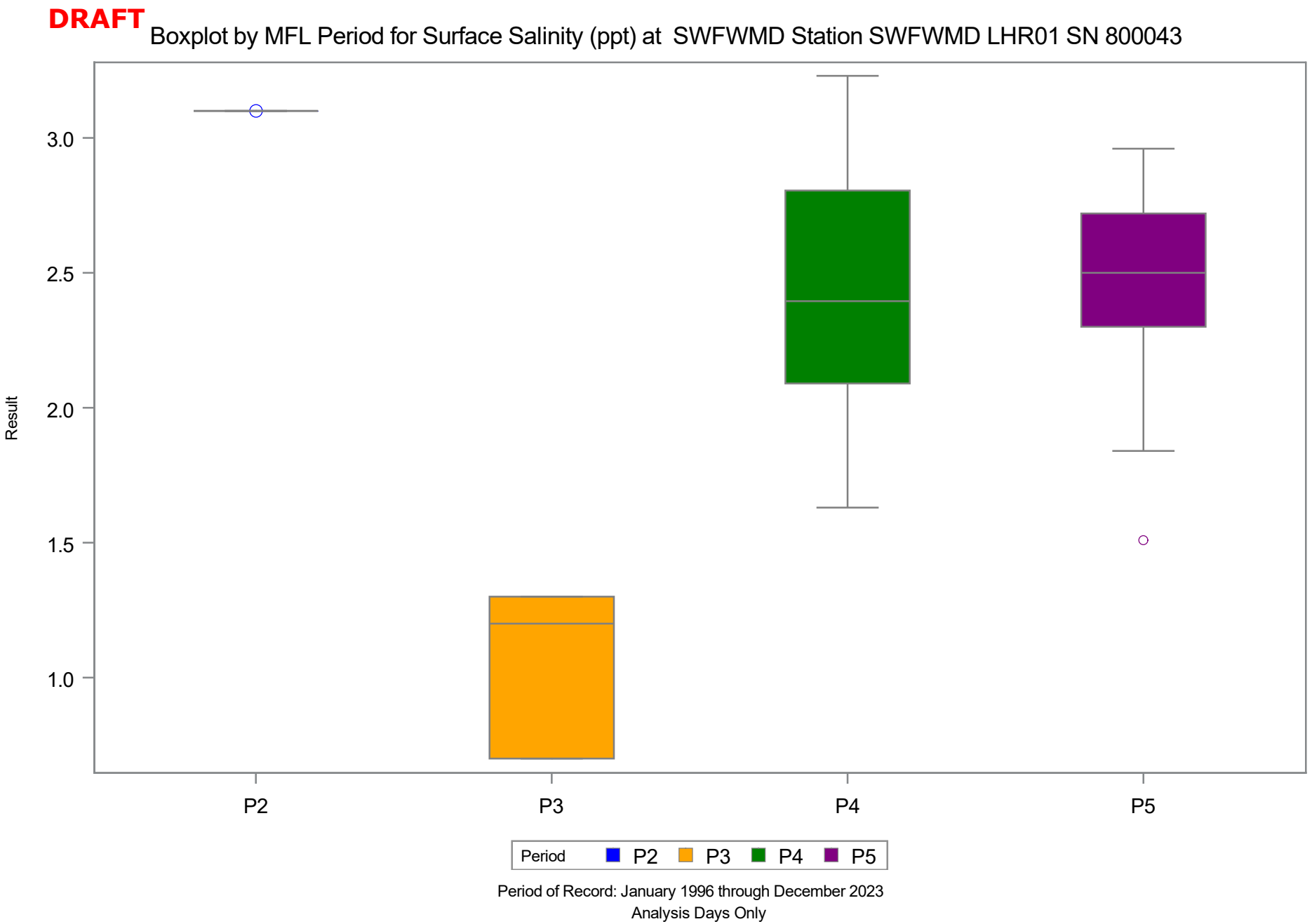
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043

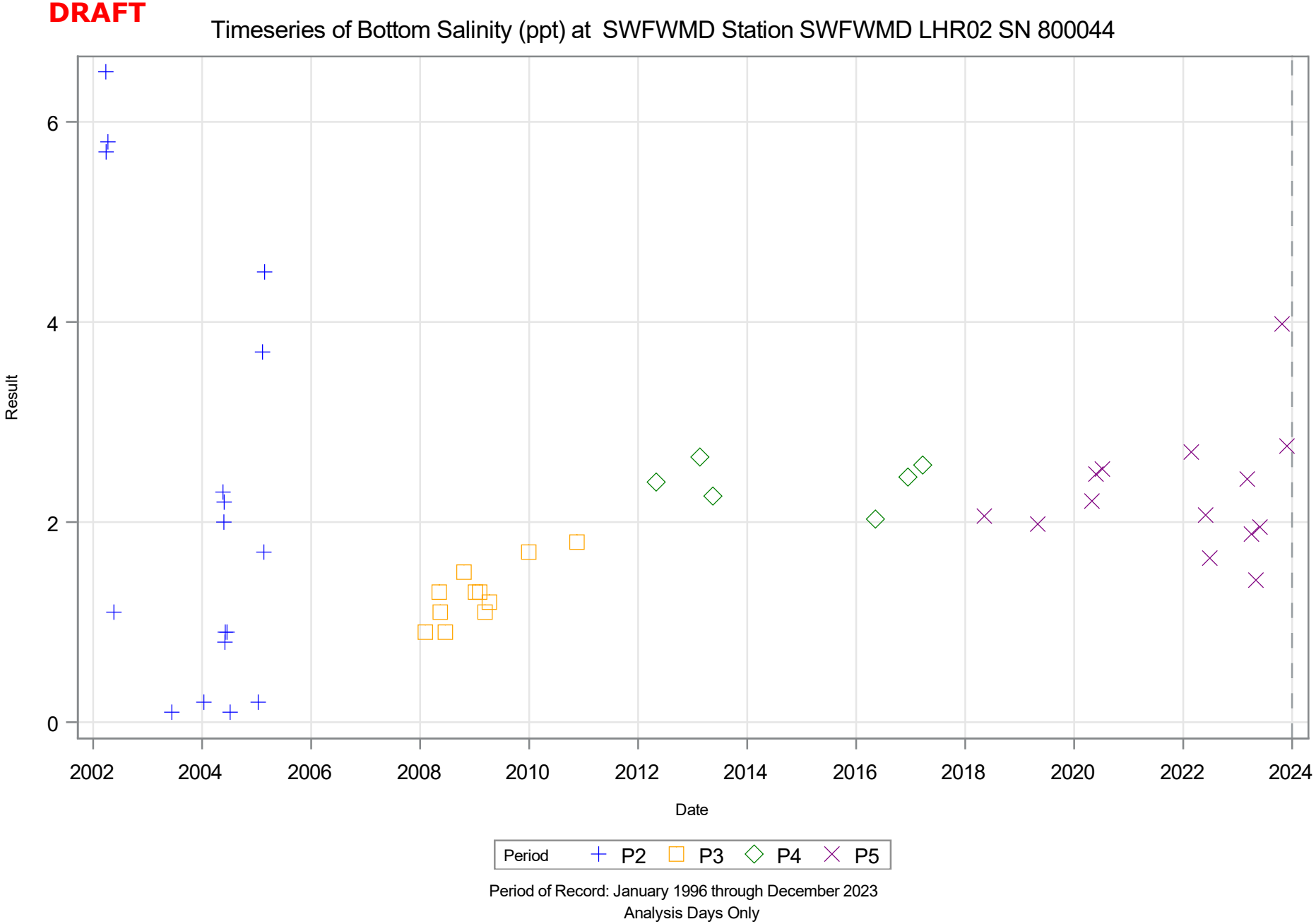
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	3.10	3.10	3.10	3.10	3.10	3.10
P3	3	0.70	0.70	1.07	1.20	1.30	1.30
P4	8	1.63	2.09	2.43	2.39	2.81	3.23
P5	17	1.51	2.30	2.42	2.50	2.72	2.96

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

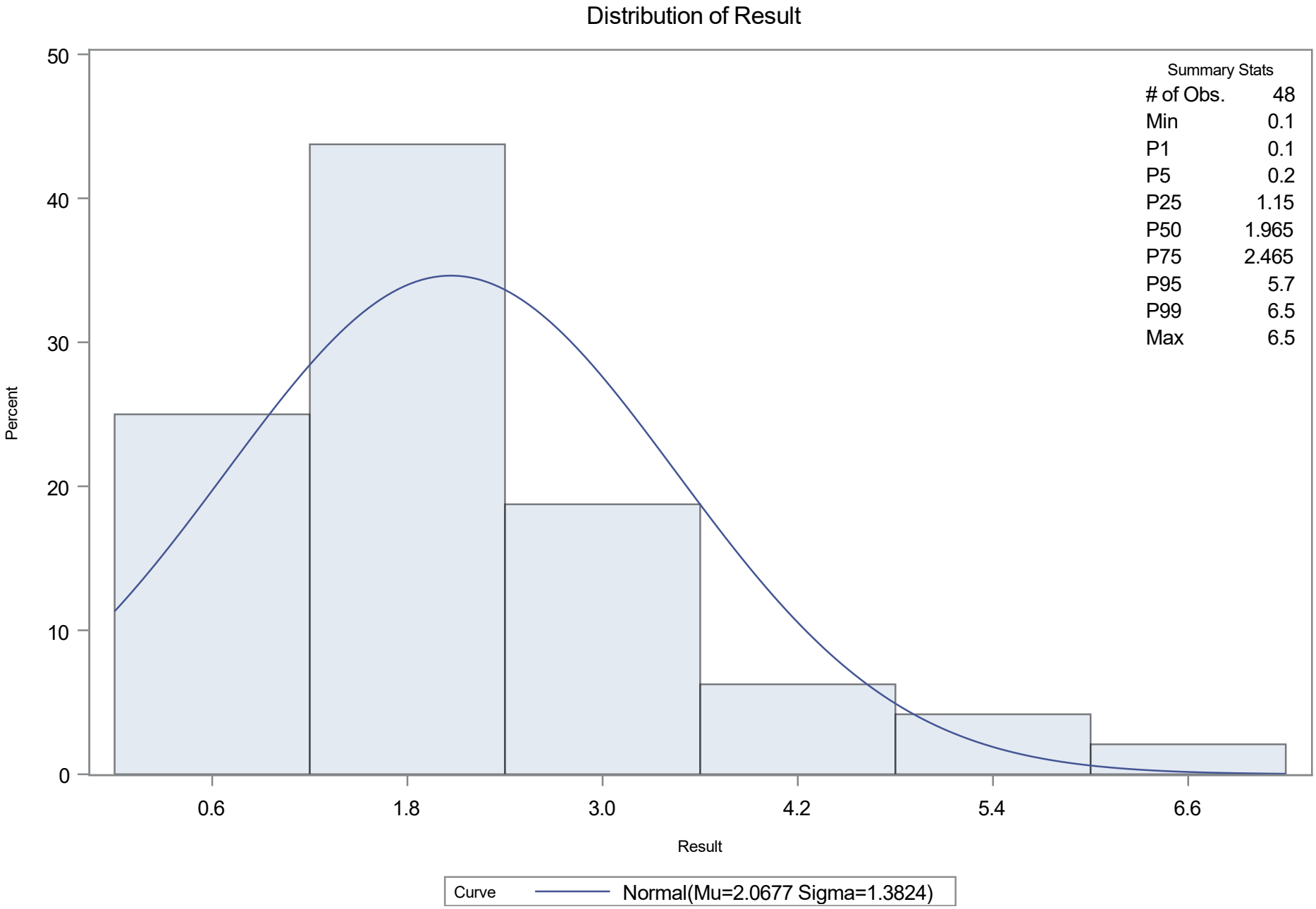

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
3.0
2.5
2.0
1.5
1.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
0
2
4
6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.067708
Std Dev	Sigma	1.3824

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18325962	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29550964	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.85951132	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.14824
5.0	0.20000	-0.20614
10.0	0.80000	0.29609
25.0	1.15000	1.13529
50.0	1.96500	2.06771
75.0	2.46500	3.00012
90.0	3.98000	3.83933
95.0	5.70000	4.34155
99.0	6.50000	5.28365

Period of Record: January 1996 through December 2023
Analysis Days Only

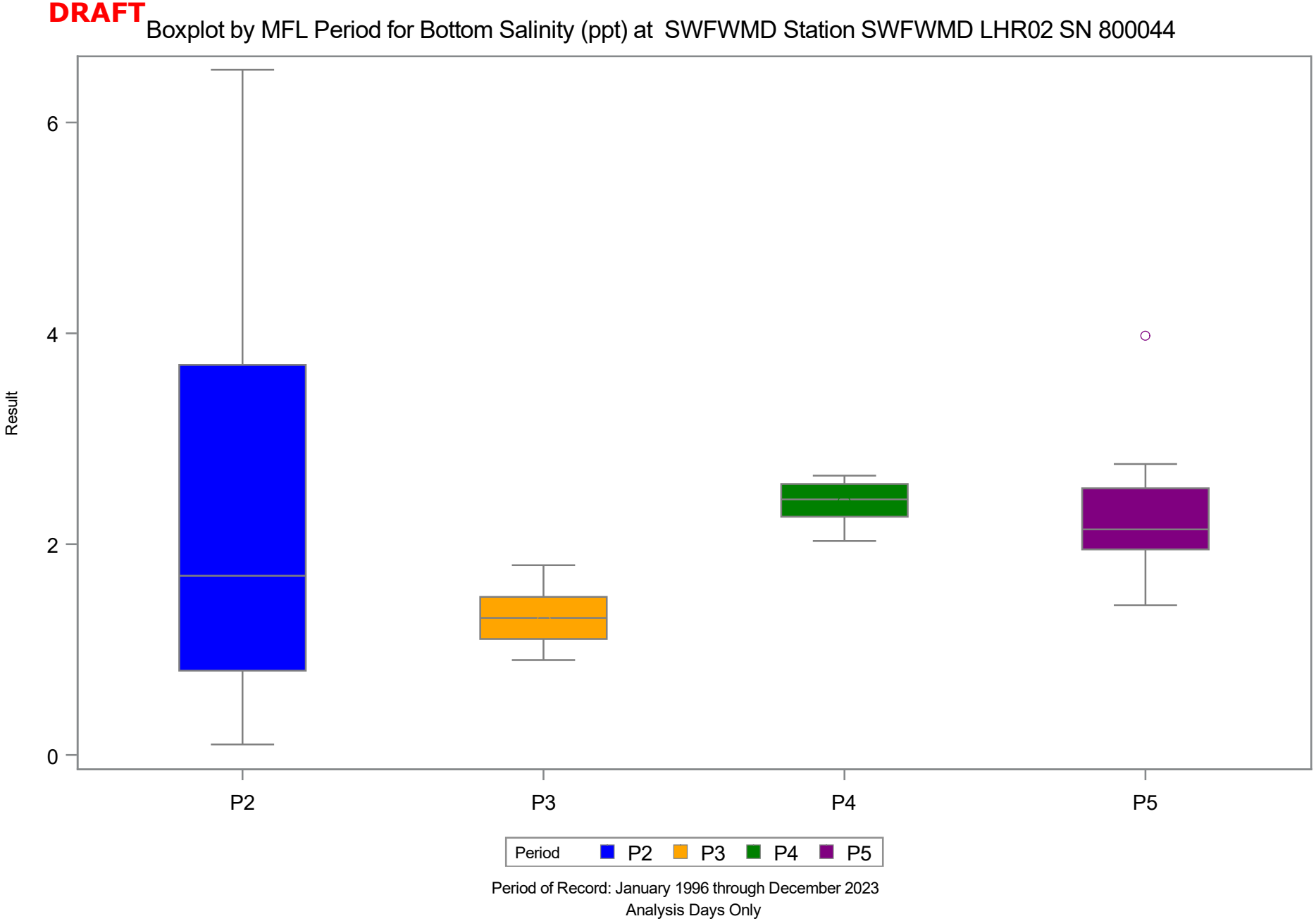
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044

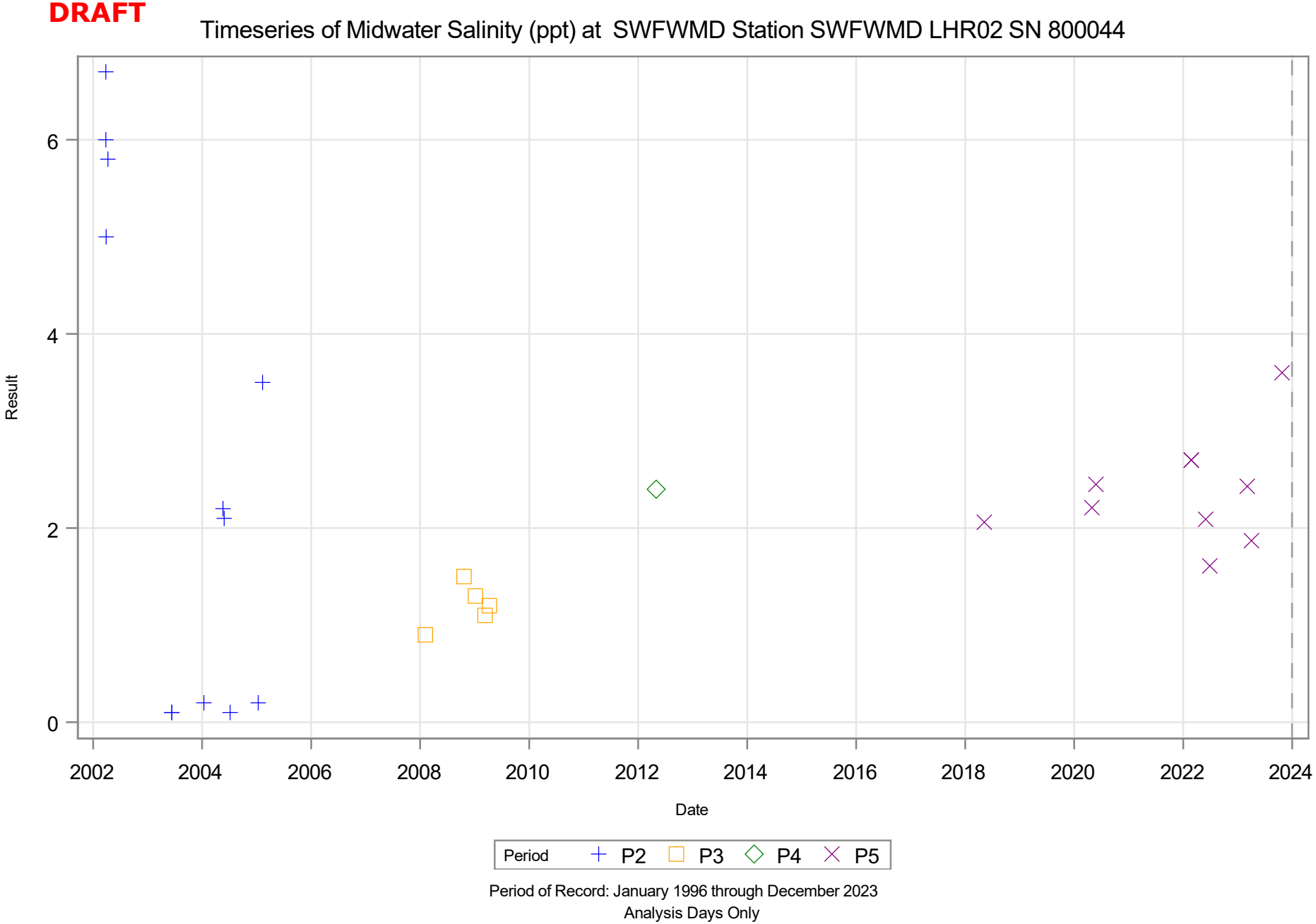
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	17	0.10	0.80	2.28	1.70	3.70	6.50
P3	11	0.90	1.10	1.28	1.30	1.50	1.80
P4	6	2.03	2.26	2.39	2.43	2.57	2.65
P5	14	1.42	1.95	2.29	2.14	2.53	3.98

Period of Record: January 1996 through December 2023
Analysis Days Only

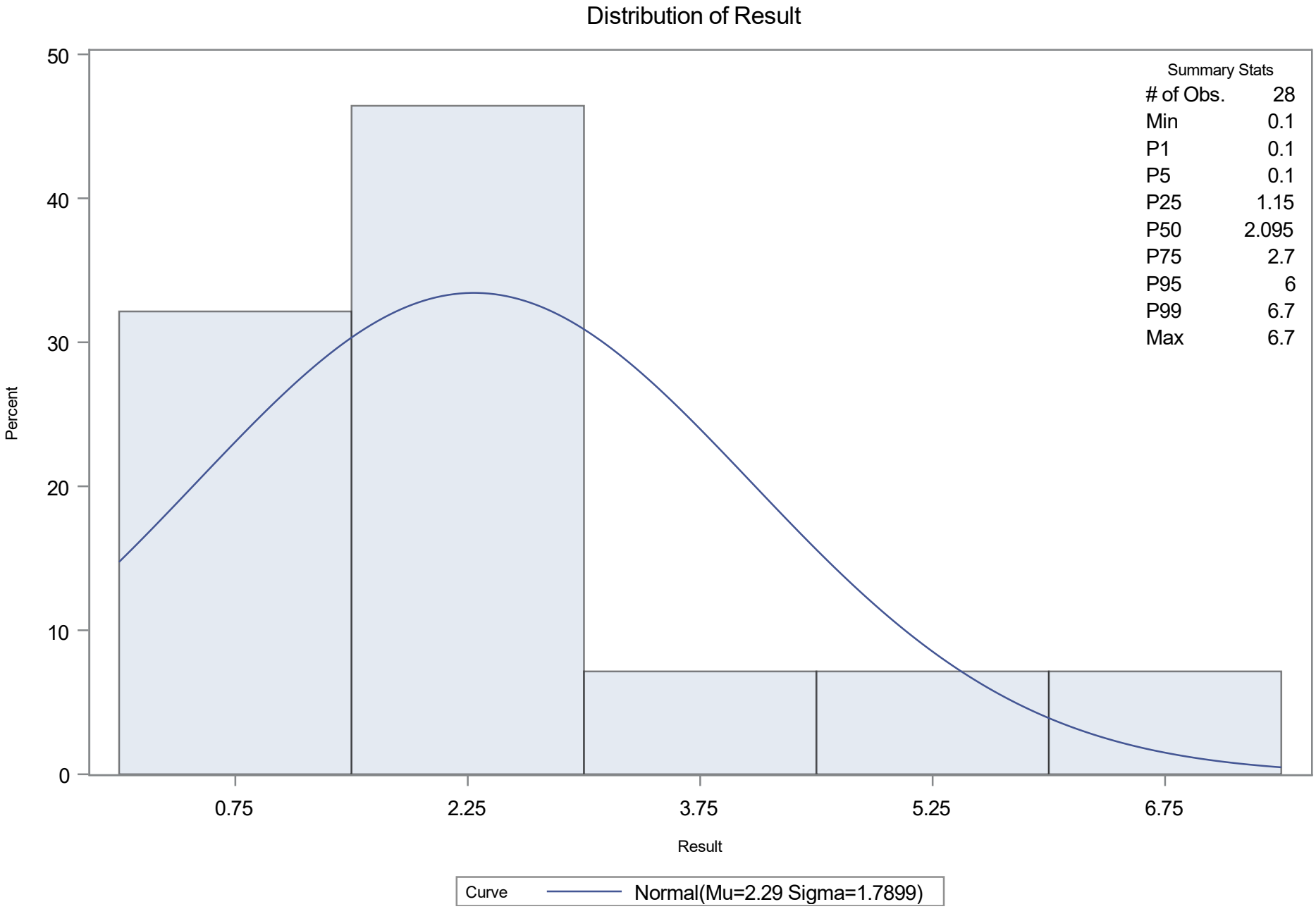
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
0
2
4
6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
0
2
4
6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.29
Std Dev	Sigma	1.789862

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19512236	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.16097784	**Pr > W-Sq**	0.017
Anderson-Darling	**A-Sq**	1.01293527	**Pr > A-Sq**	0.010

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.87384
5.0	0.10000	-0.65406
10.0	0.10000	-0.00380
25.0	1.15000	1.08276
50.0	2.09500	2.29000
75.0	2.70000	3.49724
90.0	5.80000	4.58380
95.0	6.00000	5.23406
99.0	6.70000	6.45384

Period of Record: January 1996 through December 2023
Analysis Days Only

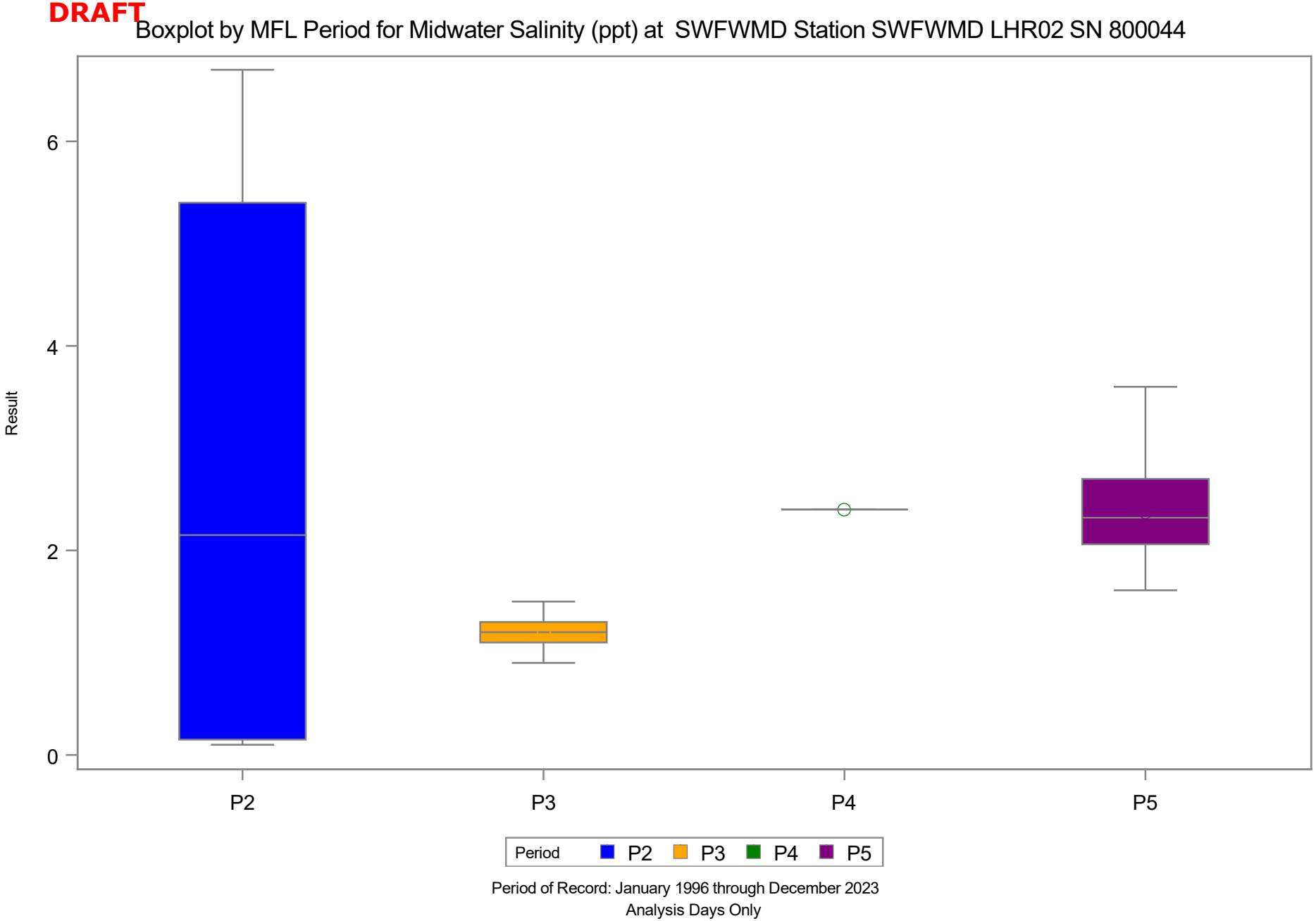
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044

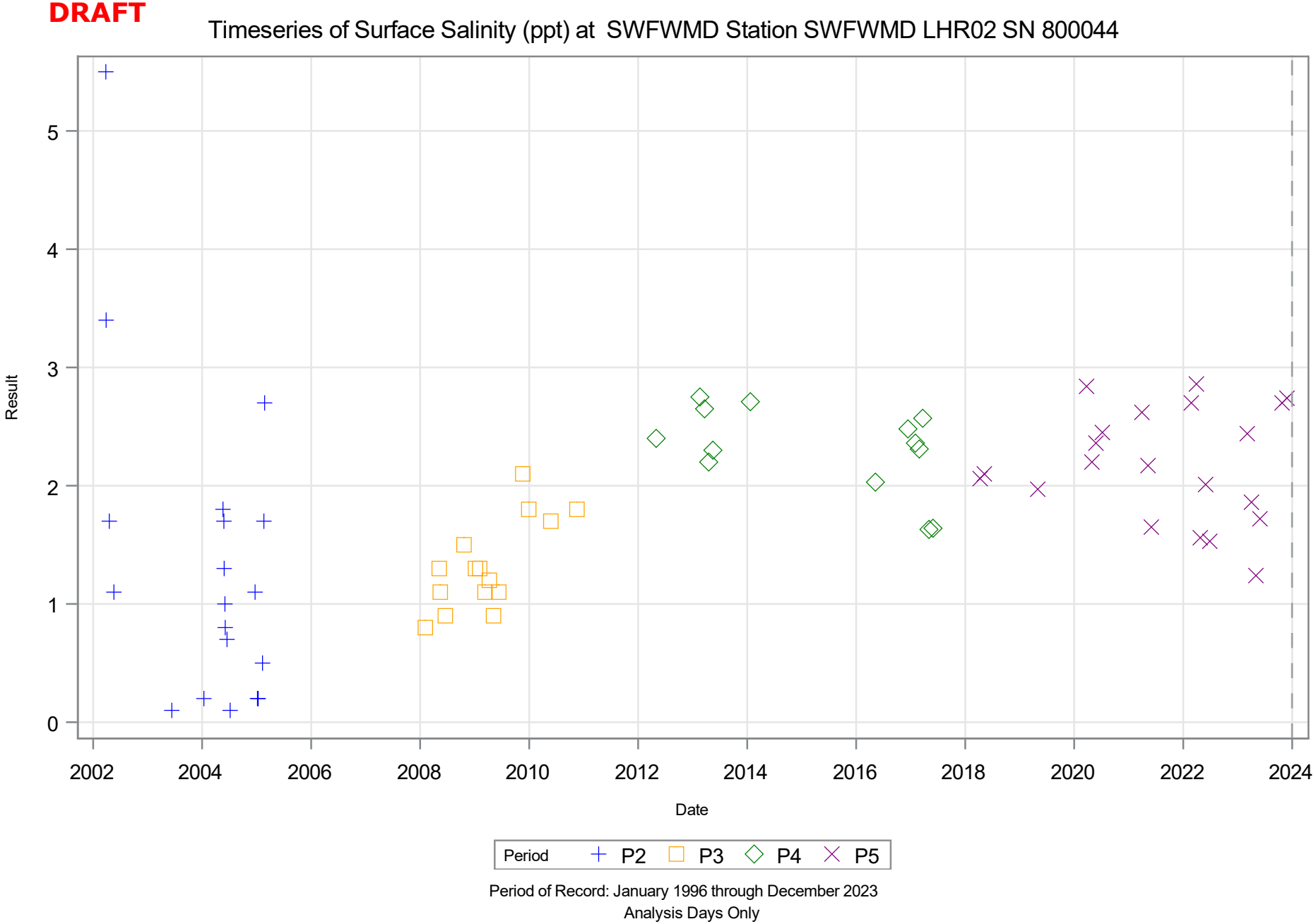
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	12	0.10	0.15	2.67	2.15	5.40	6.70
P3	5	0.90	1.10	1.20	1.20	1.30	1.50
P4	1	2.40	2.40	2.40	2.40	2.40	2.40
P5	10	1.61	2.06	2.37	2.32	2.70	3.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

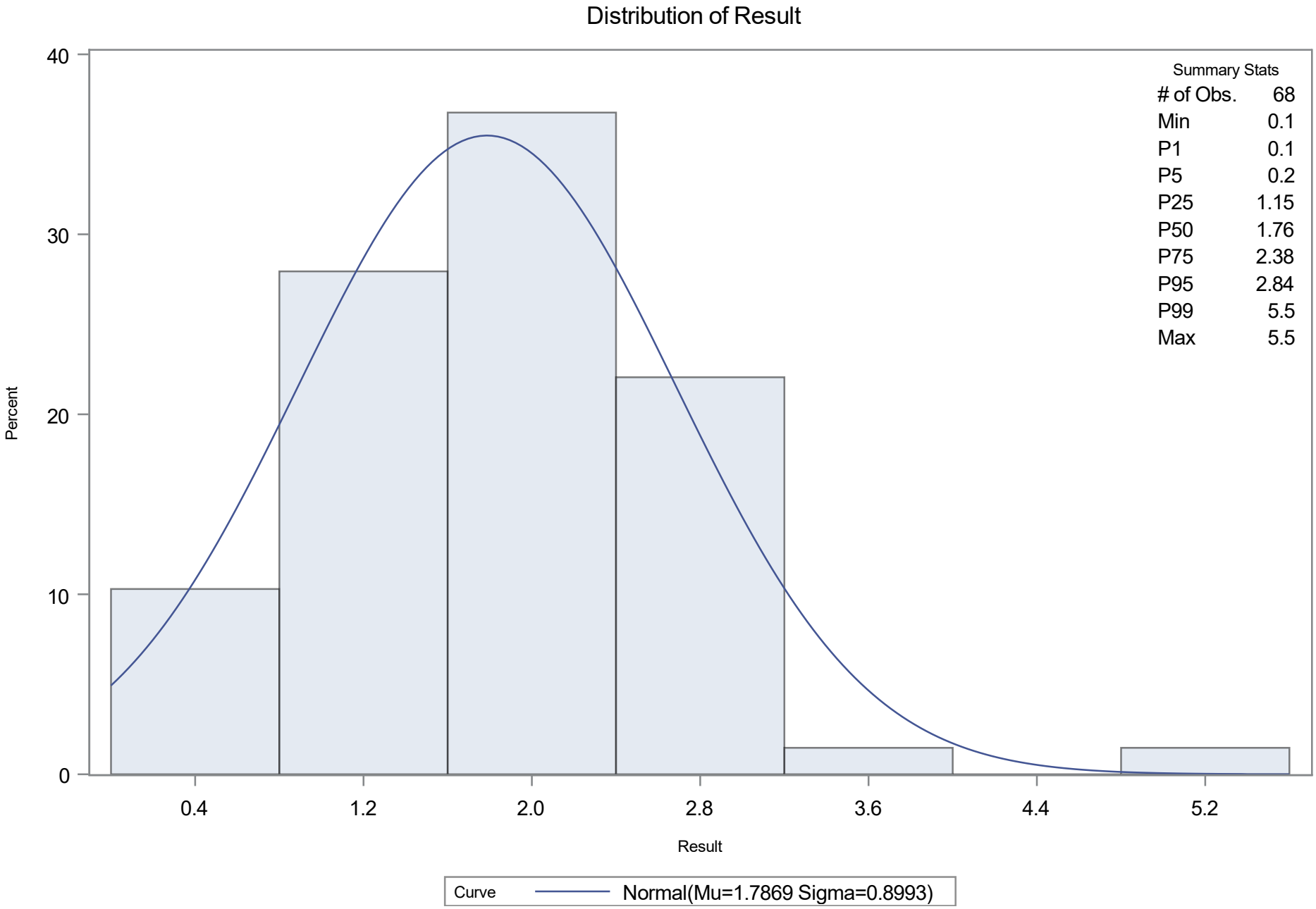

Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
0
1
2
3
4
5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.786912
Std Dev	Sigma	0.899327

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08698128	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04829857	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.52432497	**Pr > A-Sq**	0.184

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-0.30524
5.0	0.20000	0.30765
10.0	0.70000	0.63438
25.0	1.15000	1.18033
50.0	1.76000	1.78691
75.0	2.38000	2.39350
90.0	2.71000	2.93945
95.0	2.84000	3.26617
99.0	5.50000	3.87906

Period of Record: January 1996 through December 2023
Analysis Days Only

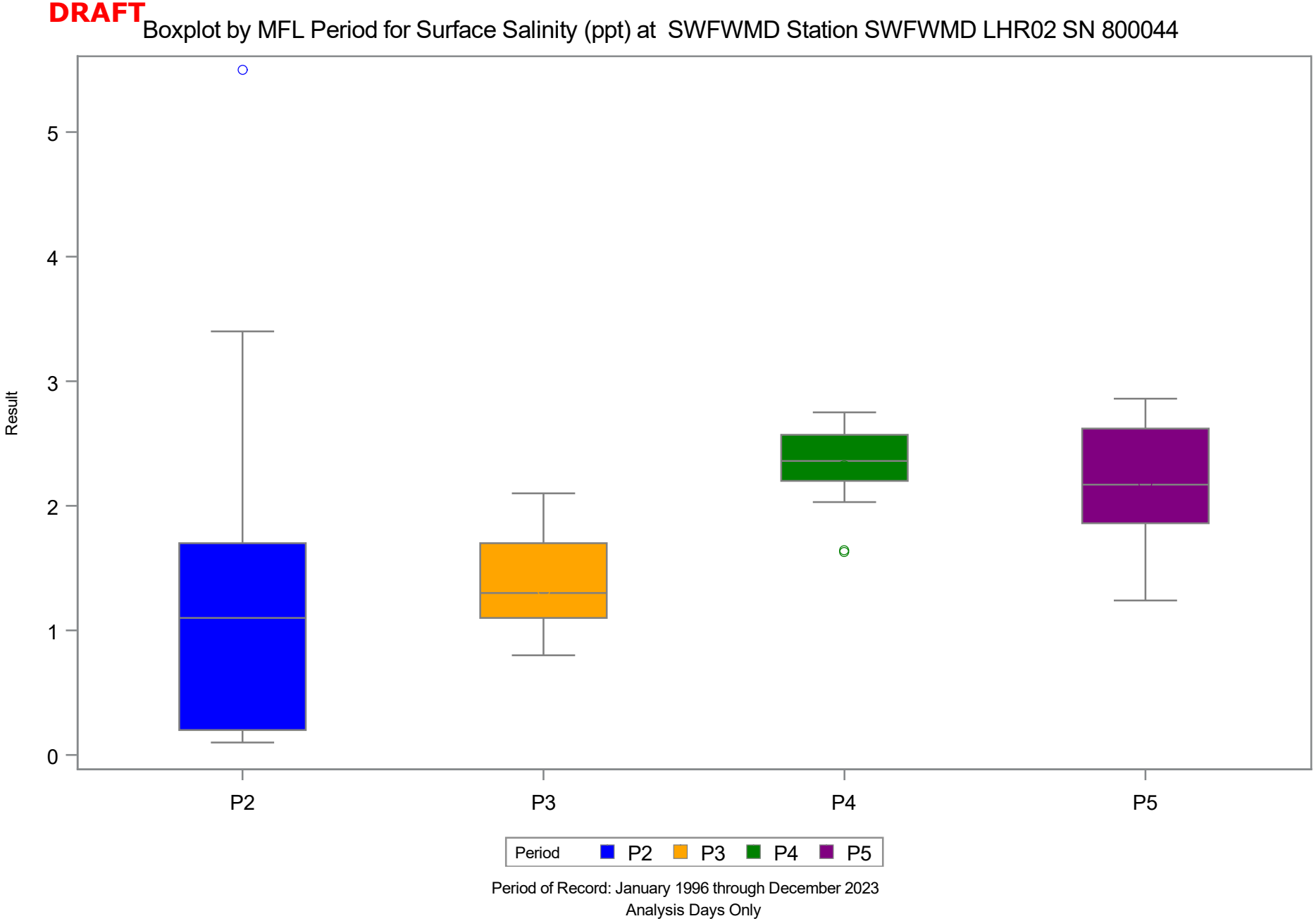
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044

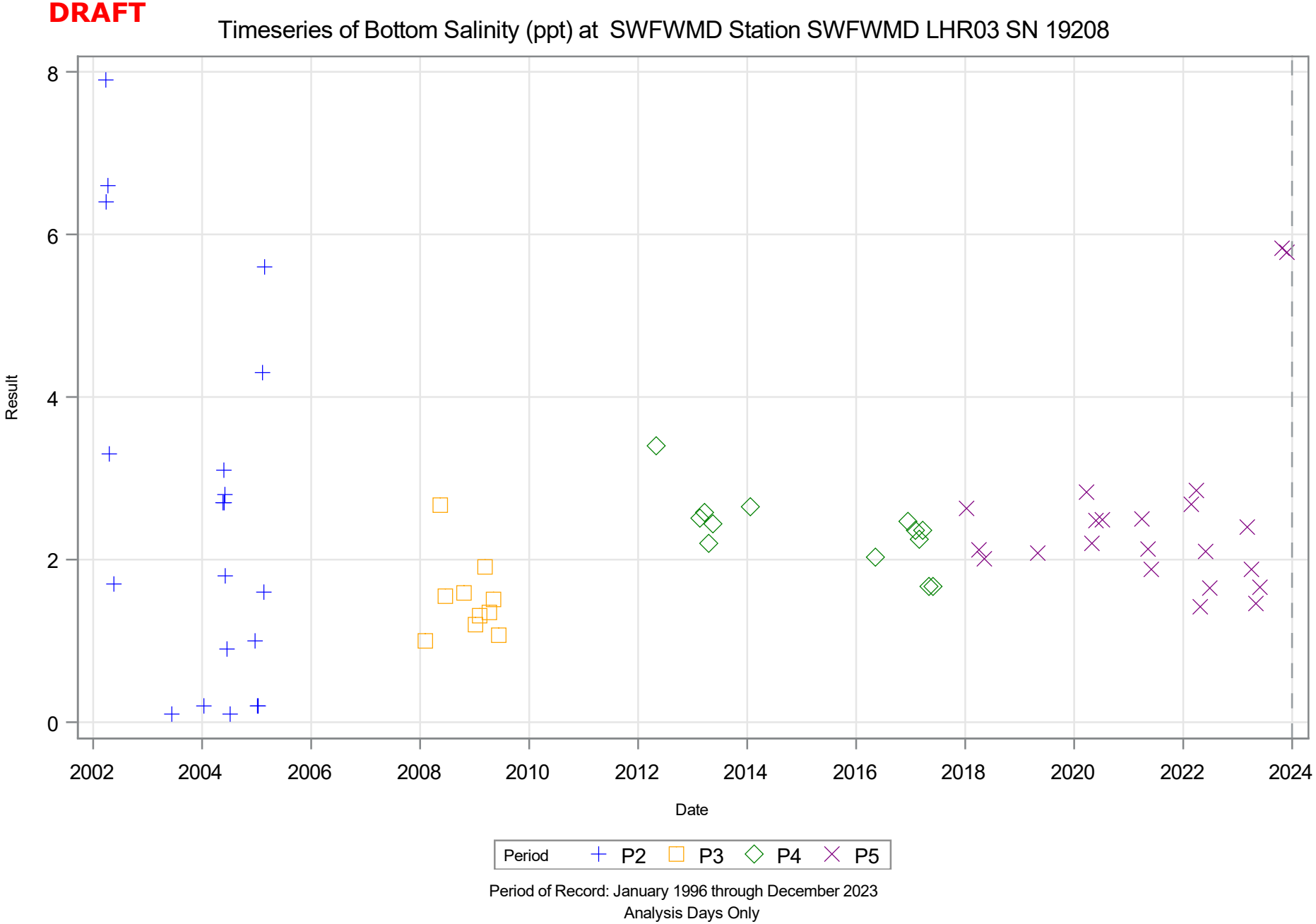
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	19	0.10	0.20	1.36	1.10	1.70	5.50
P3	15	0.80	1.10	1.33	1.30	1.70	2.10
P4	13	1.63	2.20	2.31	2.36	2.57	2.75
P5	21	1.24	1.86	2.18	2.17	2.62	2.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

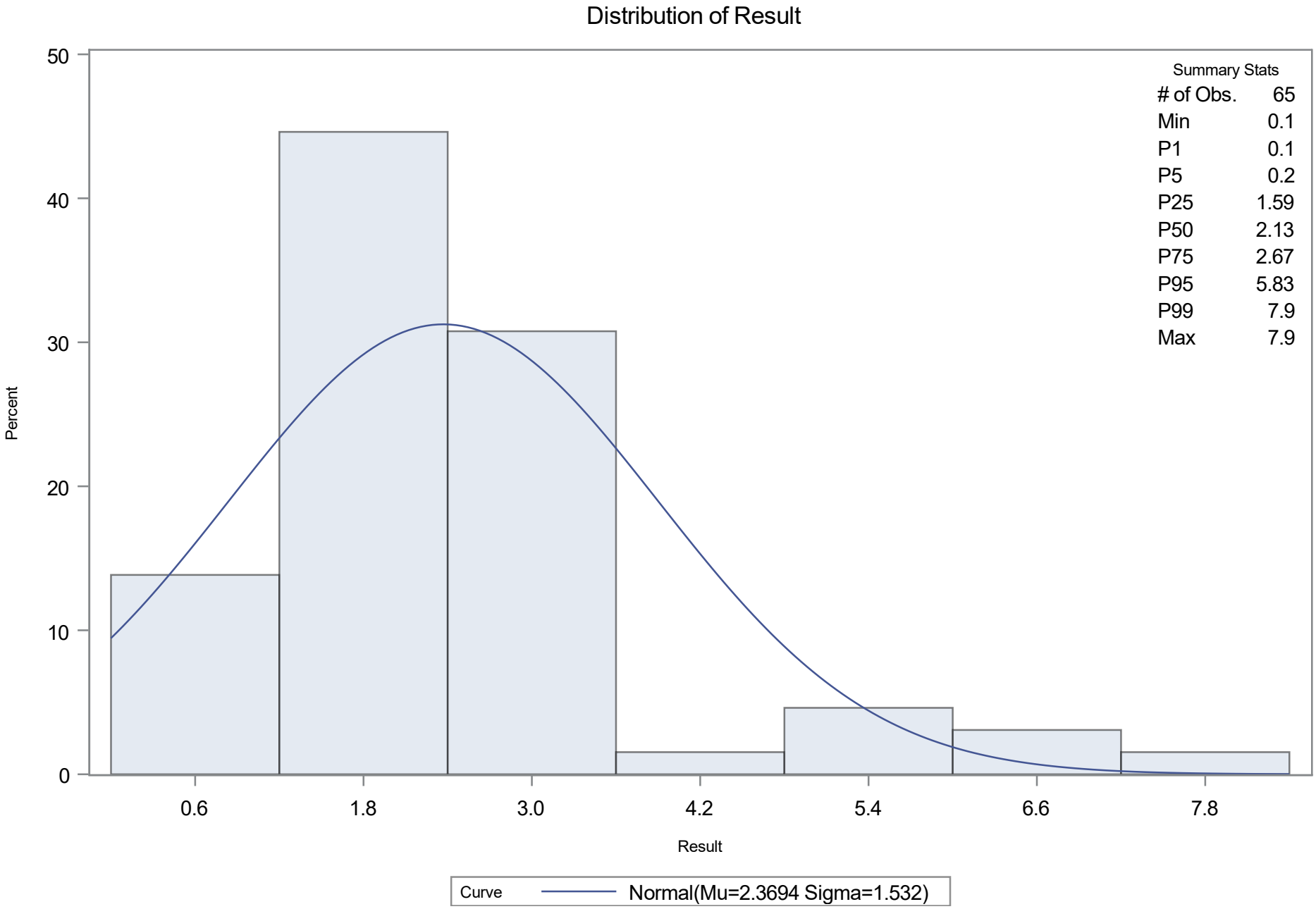

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
0
1
2
3
4
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.369385
Std Dev	Sigma	1.531989

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22302075	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.61787400	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.57630786	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.19455
5.0	0.20000	-0.15051
10.0	1.00000	0.40606
25.0	1.59000	1.33607
50.0	2.13000	2.36938
75.0	2.67000	3.40270
90.0	4.30000	4.33271
95.0	5.83000	4.88928
99.0	7.90000	5.93332

Period of Record: January 1996 through December 2023
Analysis Days Only

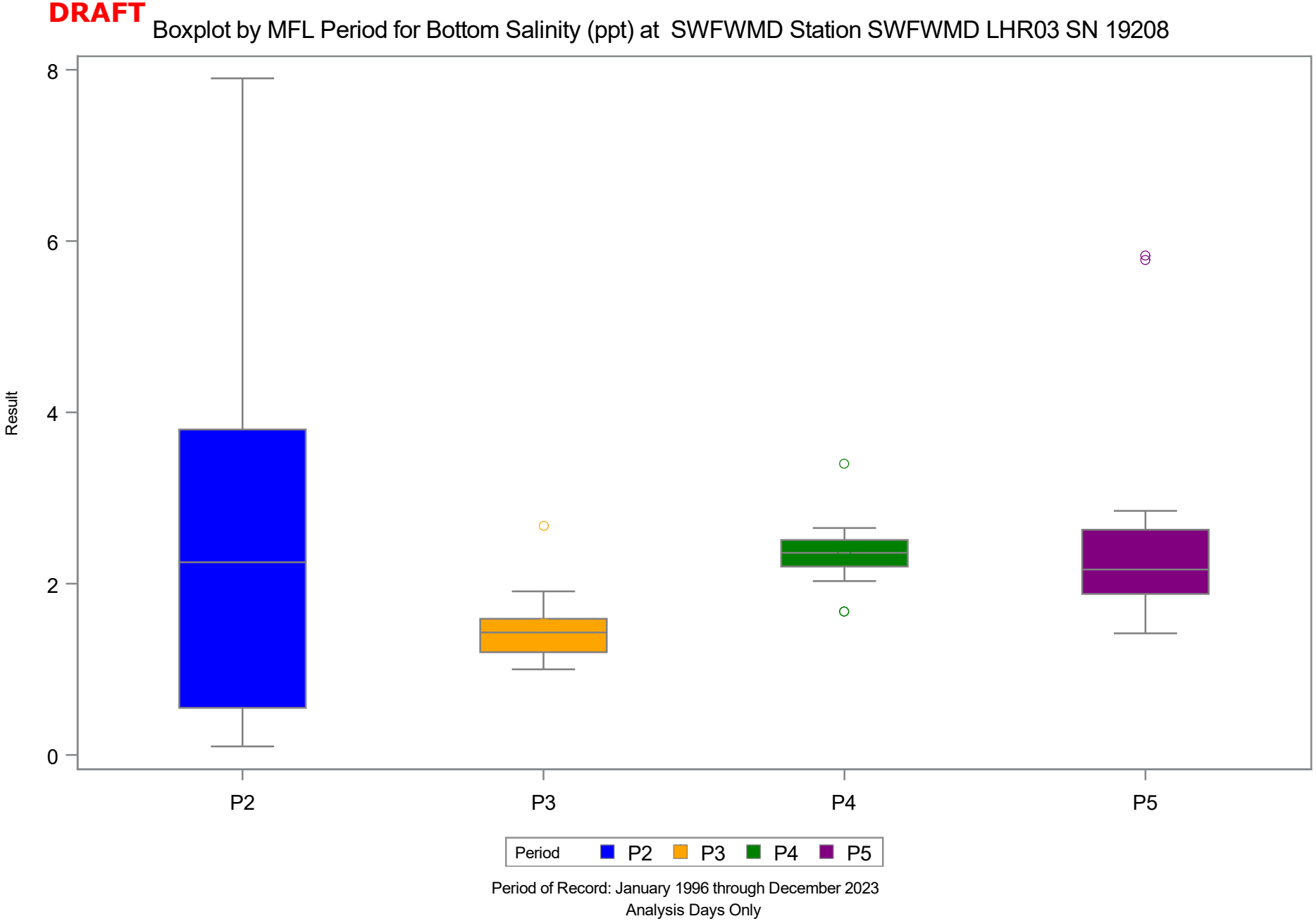
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208

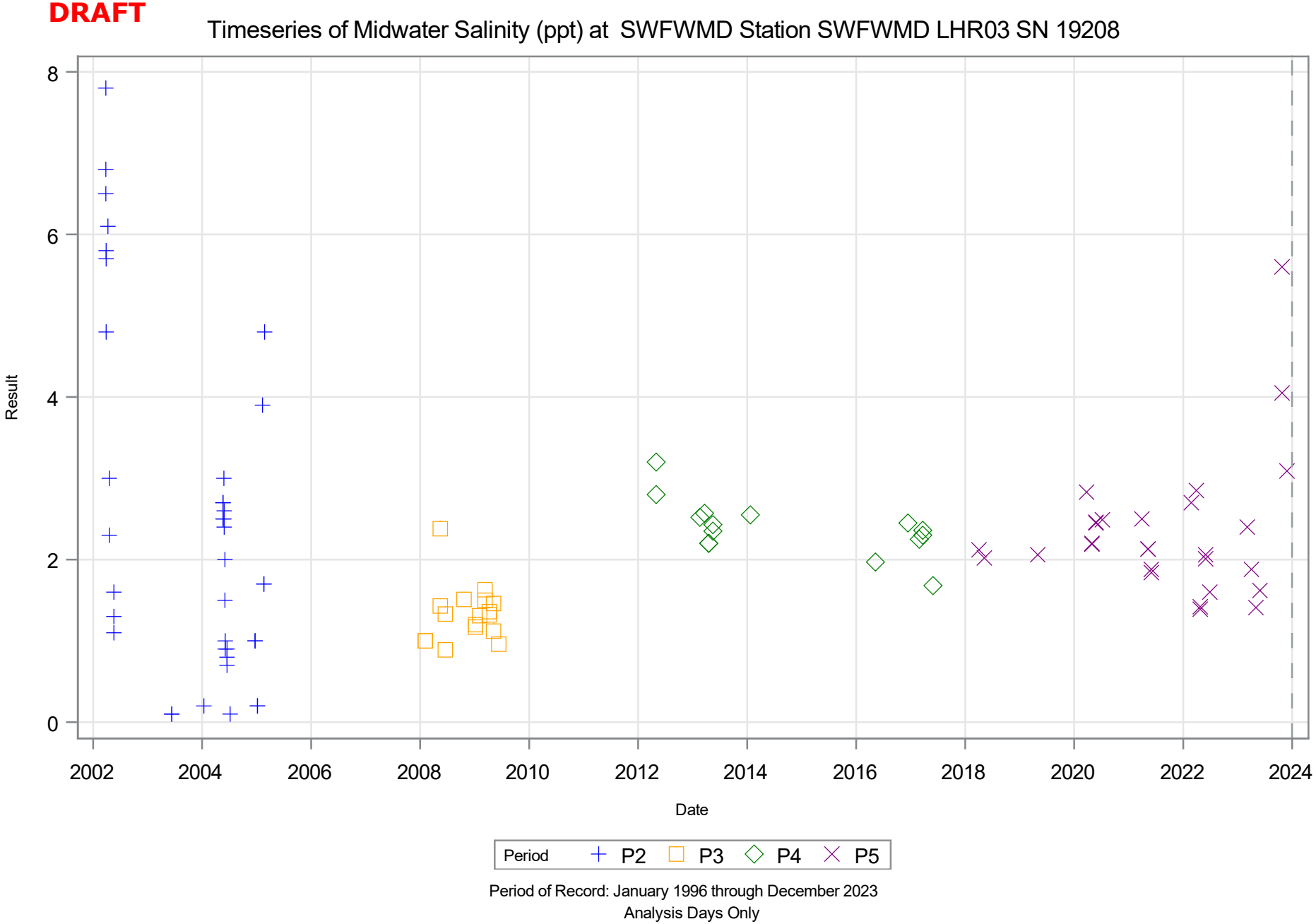
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.10	0.55	2.66	2.25	3.80	7.90
P3	10	1.00	1.20	1.52	1.43	1.59	2.67
P4	13	1.67	2.20	2.35	2.36	2.51	3.40
P5	22	1.42	1.88	2.50	2.17	2.63	5.83

Period of Record: January 1996 through December 2023
Analysis Days Only

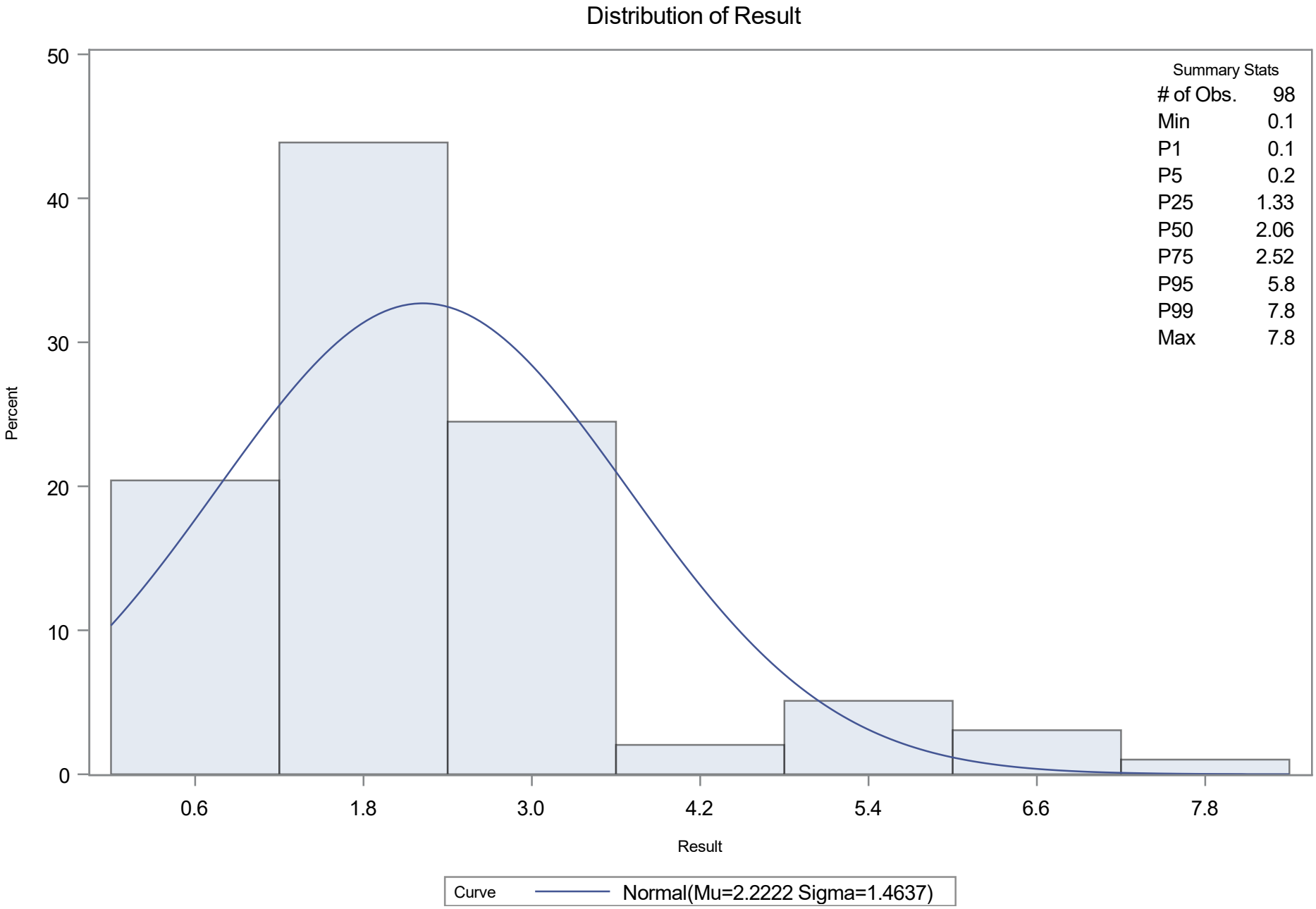
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.222245
Std Dev	Sigma	1.463713

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18838758	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.75026137	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.55178327	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.18286
5.0	0.20000	-0.18535
10.0	0.90000	0.34642
25.0	1.33000	1.23499
50.0	2.06000	2.22224
75.0	2.52000	3.20950
90.0	4.05000	4.09807
95.0	5.80000	4.62984
99.0	7.80000	5.62735

Period of Record: January 1996 through December 2023
Analysis Days Only

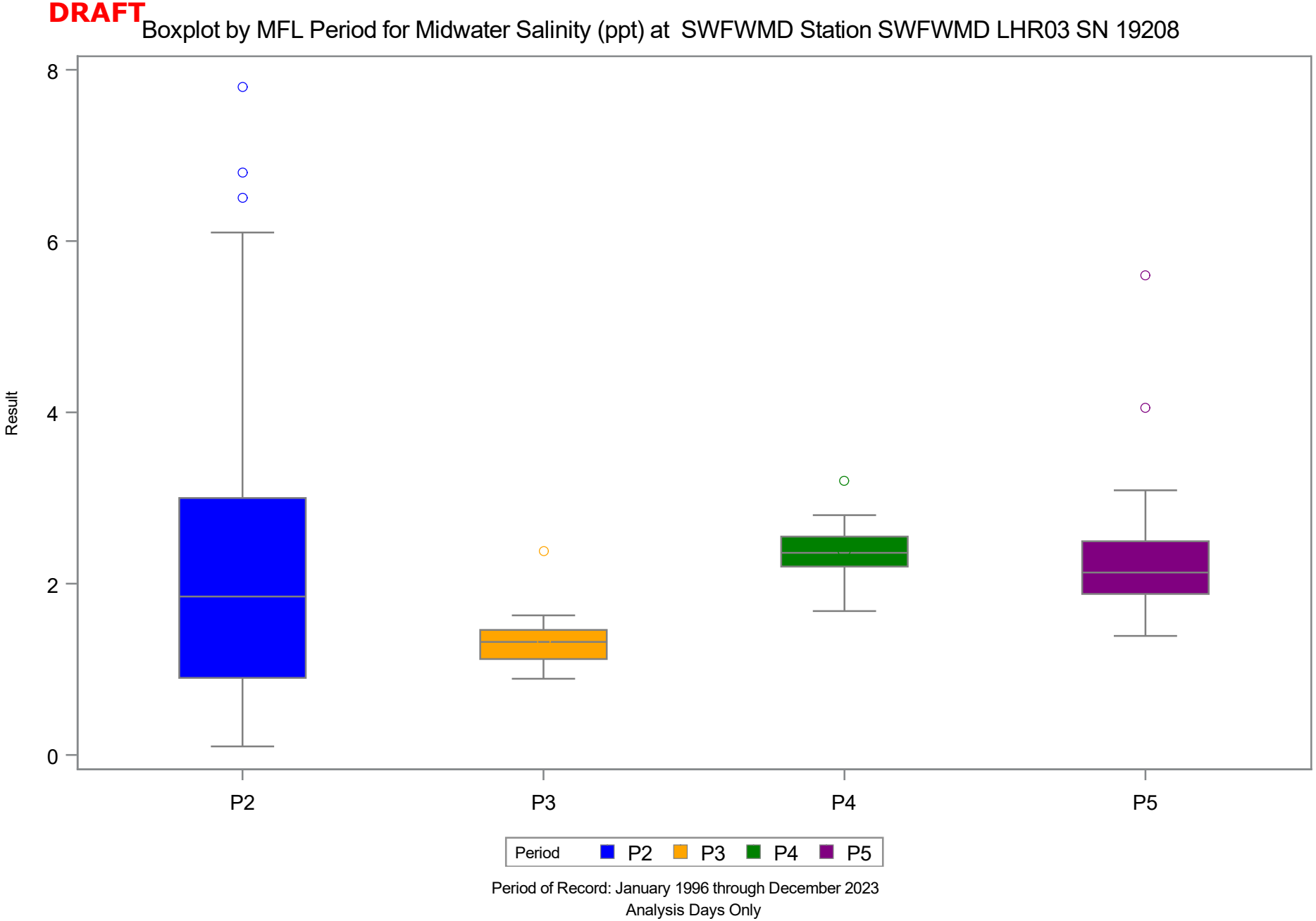
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208

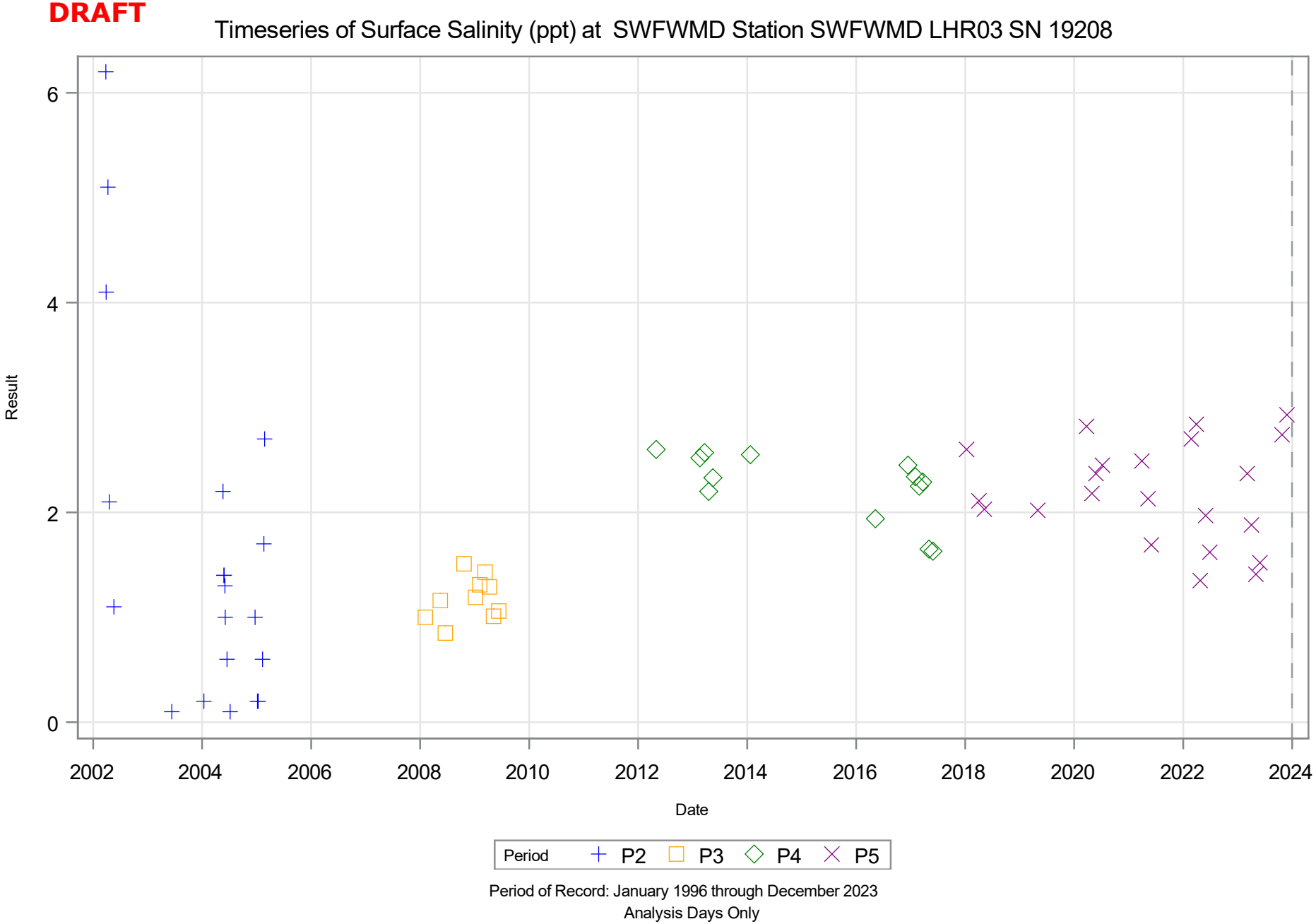
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	38	0.10	0.90	2.47	1.85	3.00	7.80
P3	17	0.89	1.12	1.33	1.32	1.46	2.38
P4	15	1.68	2.20	2.39	2.36	2.55	3.20
P5	28	1.39	1.88	2.34	2.13	2.50	5.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

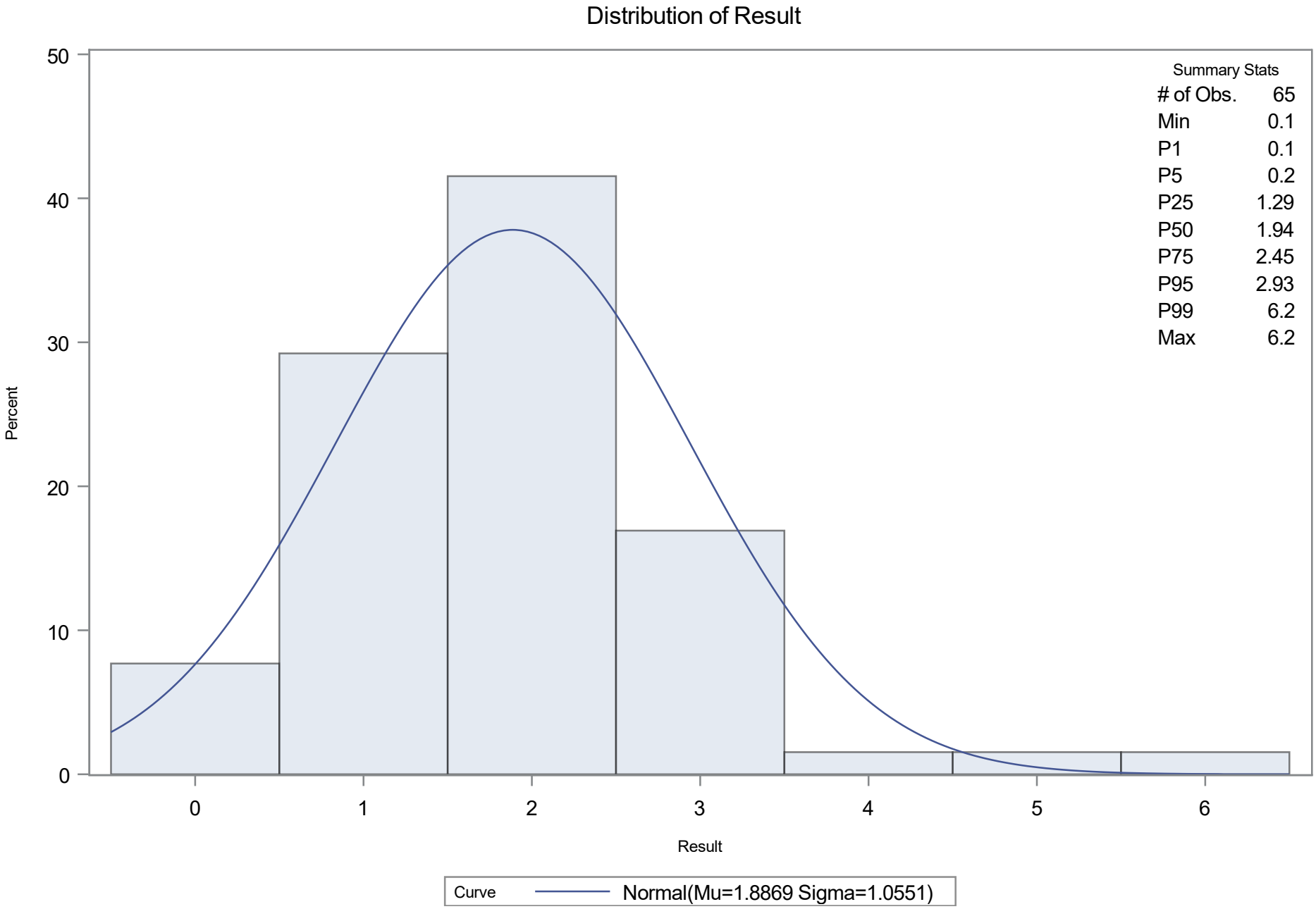

Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0
2
4
6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.886923
Std Dev	Sigma	1.055068

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12163634	**Pr > D**	0.018
Cramer-von Mises	**W-Sq**	0.14599496	**Pr > W-Sq**	0.026
Anderson-Darling	**A-Sq**	1.21495414	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-0.56753
5.0	0.20000	0.15149
10.0	0.60000	0.53480
25.0	1.29000	1.17529
50.0	1.94000	1.88692
75.0	2.45000	2.59856
90.0	2.74000	3.23905
95.0	2.93000	3.62236
99.0	6.20000	4.34138

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

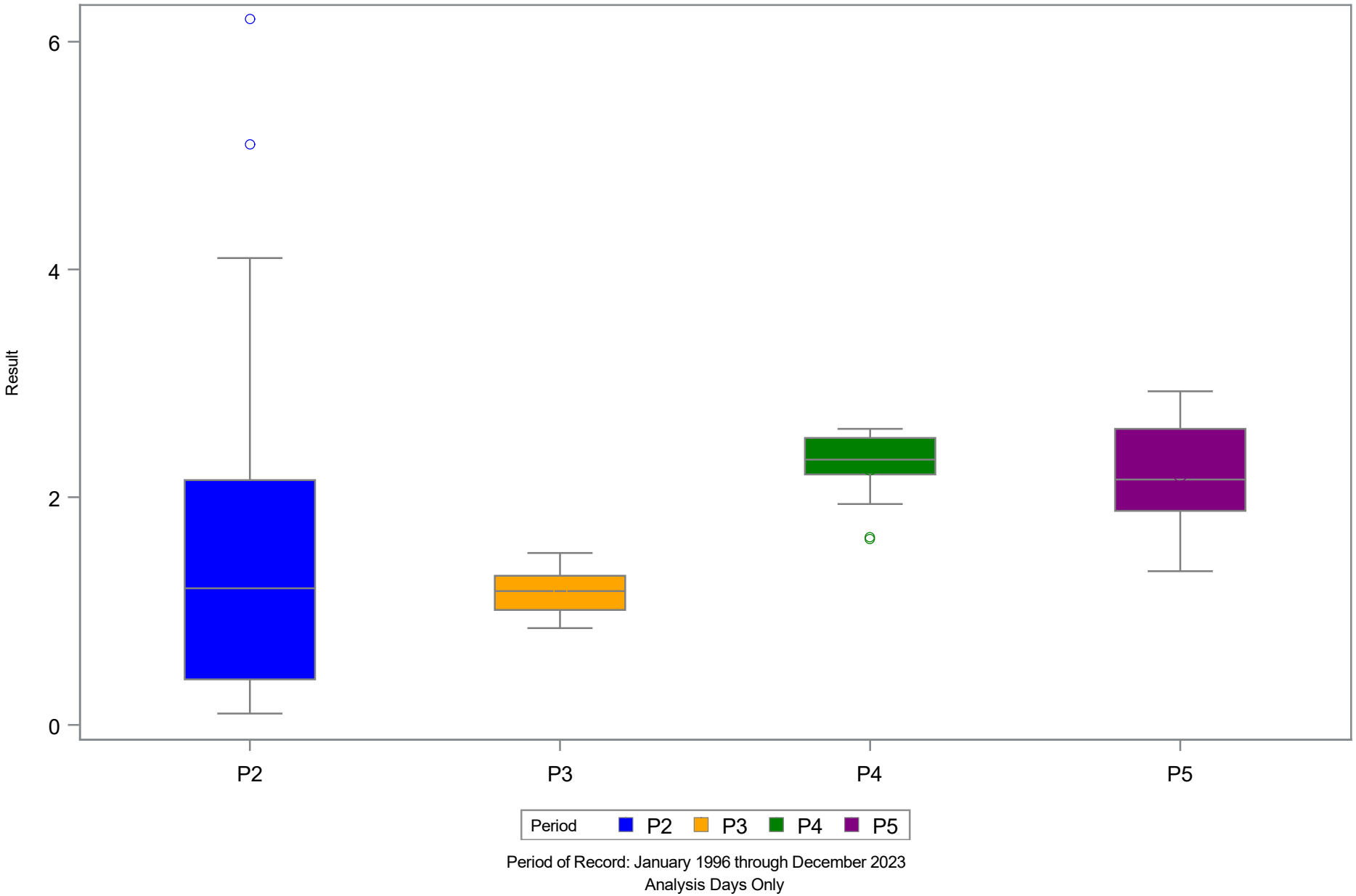
Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.10	0.40	1.67	1.20	2.15	6.20
P3	10	0.85	1.01	1.18	1.17	1.31	1.51
P4	13	1.63	2.20	2.26	2.33	2.52	2.60
P5	22	1.35	1.88	2.19	2.16	2.60	2.93

Period of Record: January 1996 through December 2023
Analysis Days Only

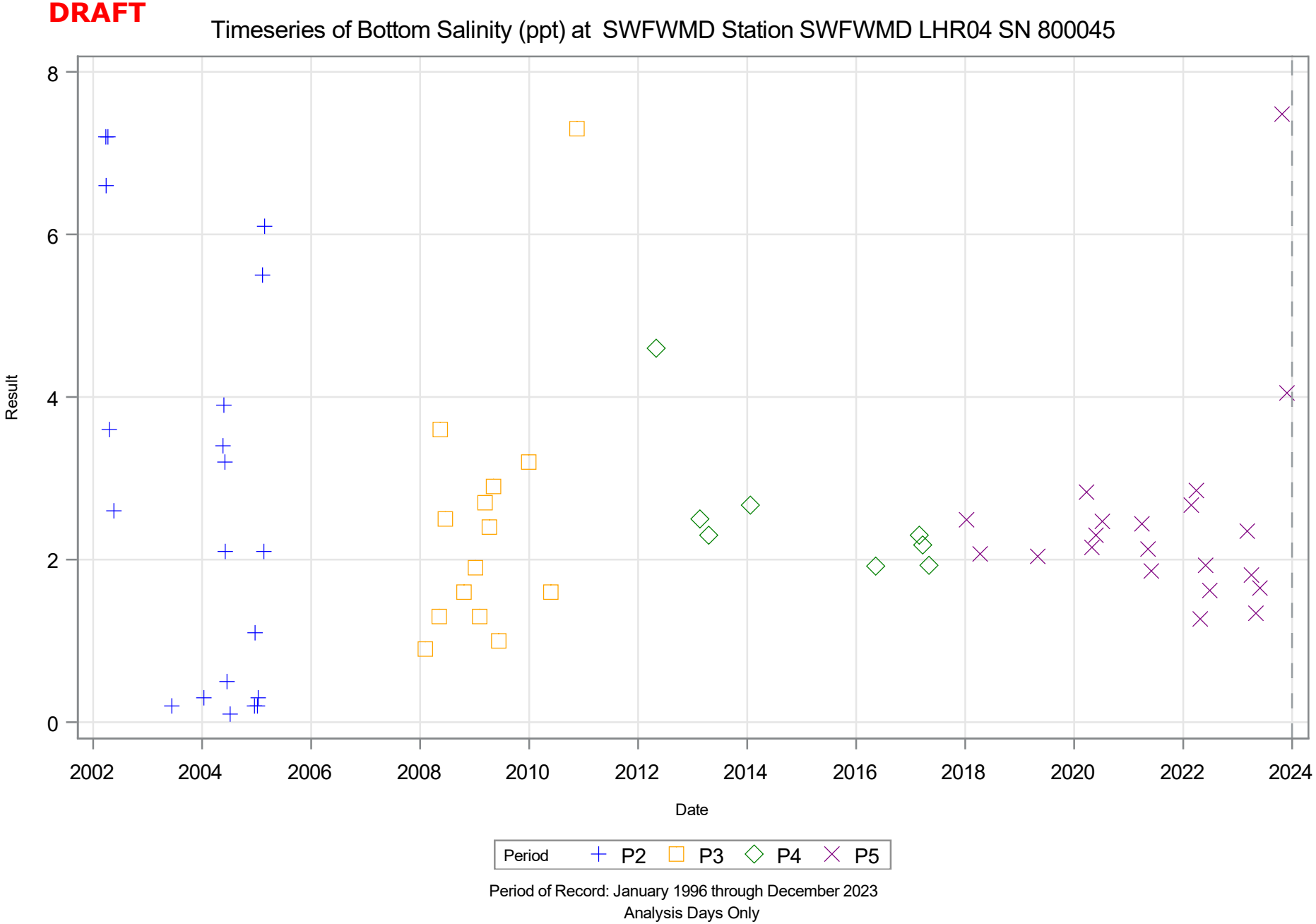
DRAFT

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR03 SN 19208

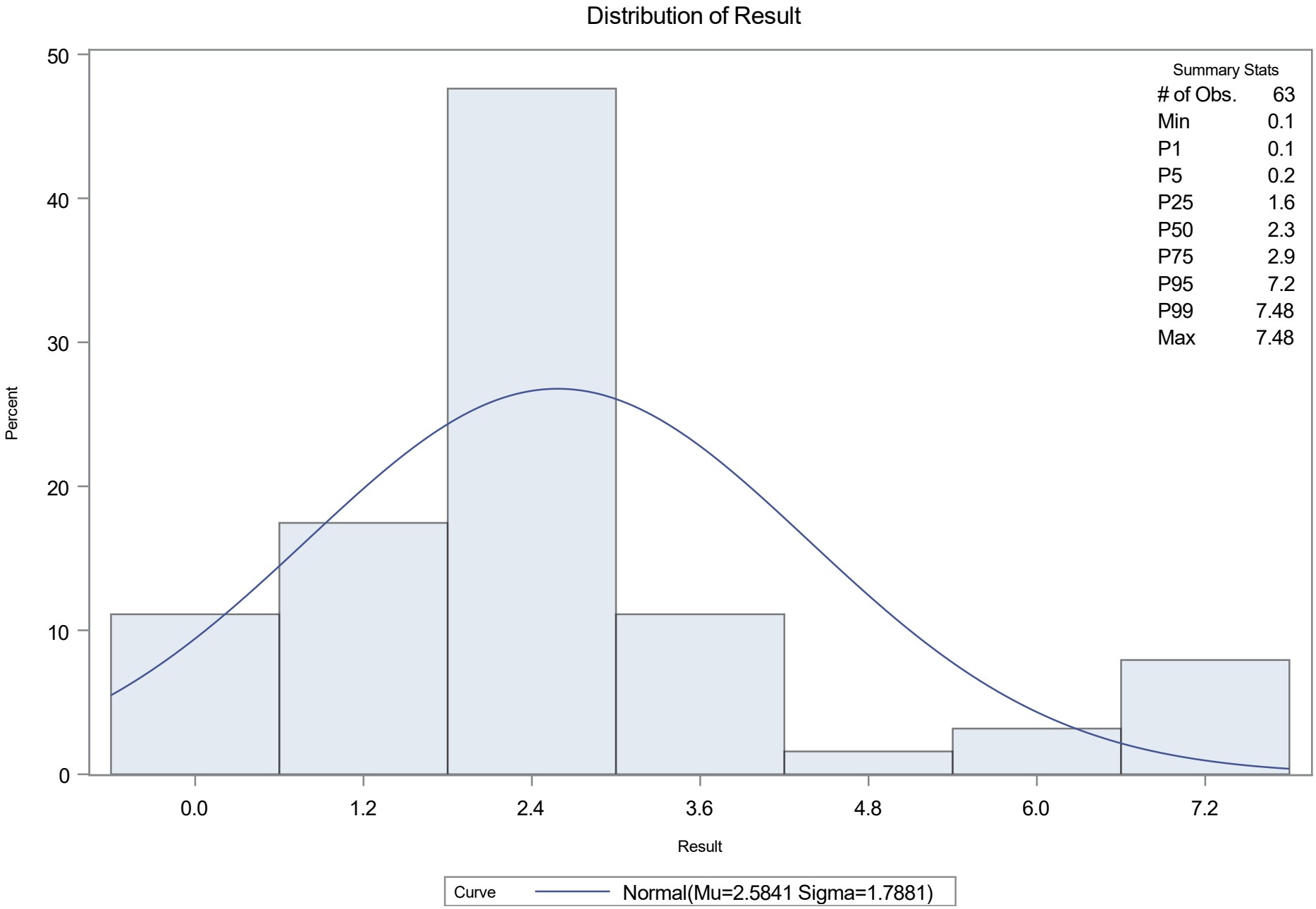


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.584127
Std Dev	Sigma	1.788083

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19179463	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.50409272	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.97811363	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.57558
5.0	0.20000	-0.35701
10.0	0.50000	0.29261
25.0	1.60000	1.37808
50.0	2.30000	2.58413
75.0	2.90000	3.79017
90.0	5.50000	4.87565
95.0	7.20000	5.52526
99.0	7.48000	6.74383

Period of Record: January 1996 through December 2023
Analysis Days Only

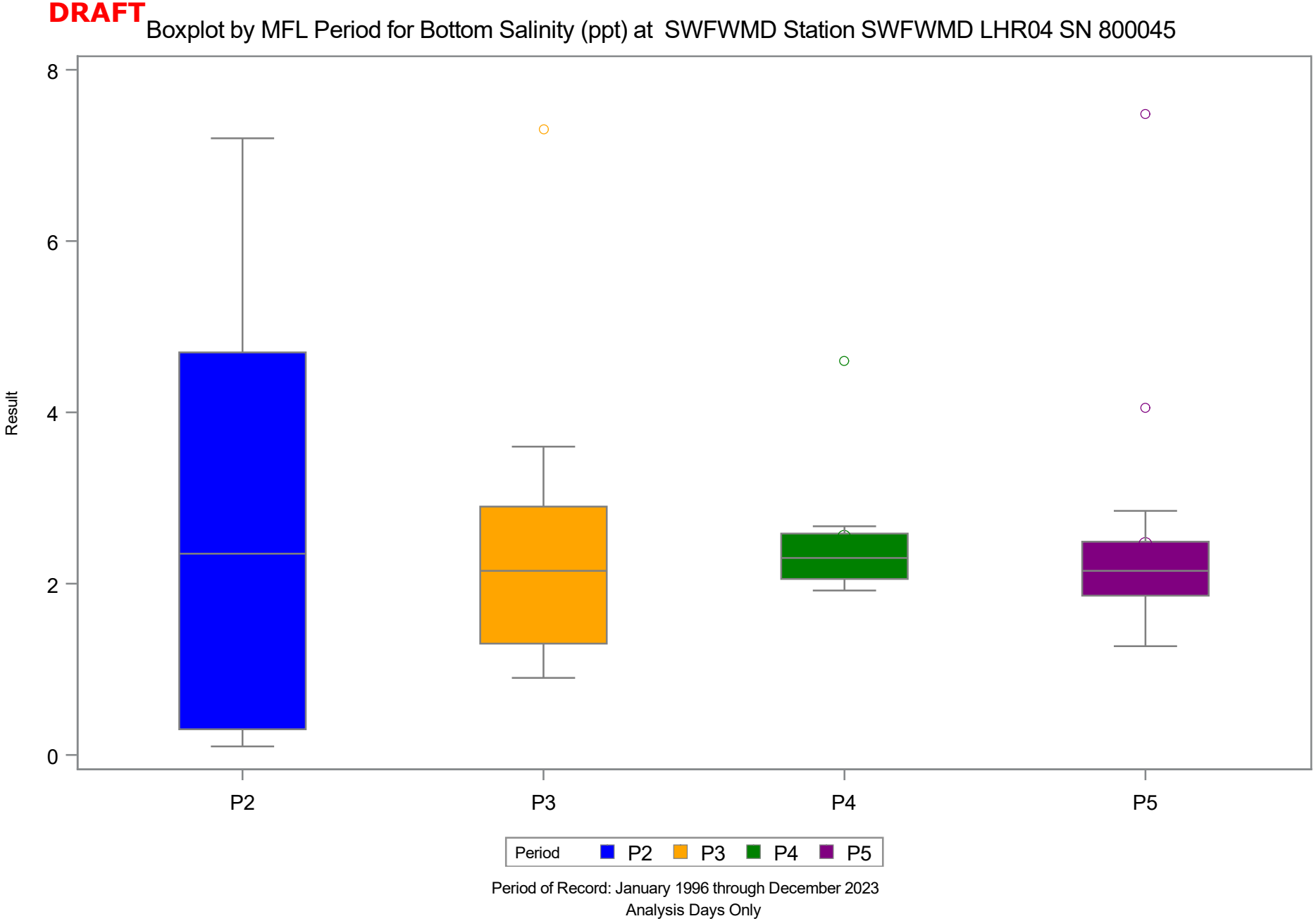
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045

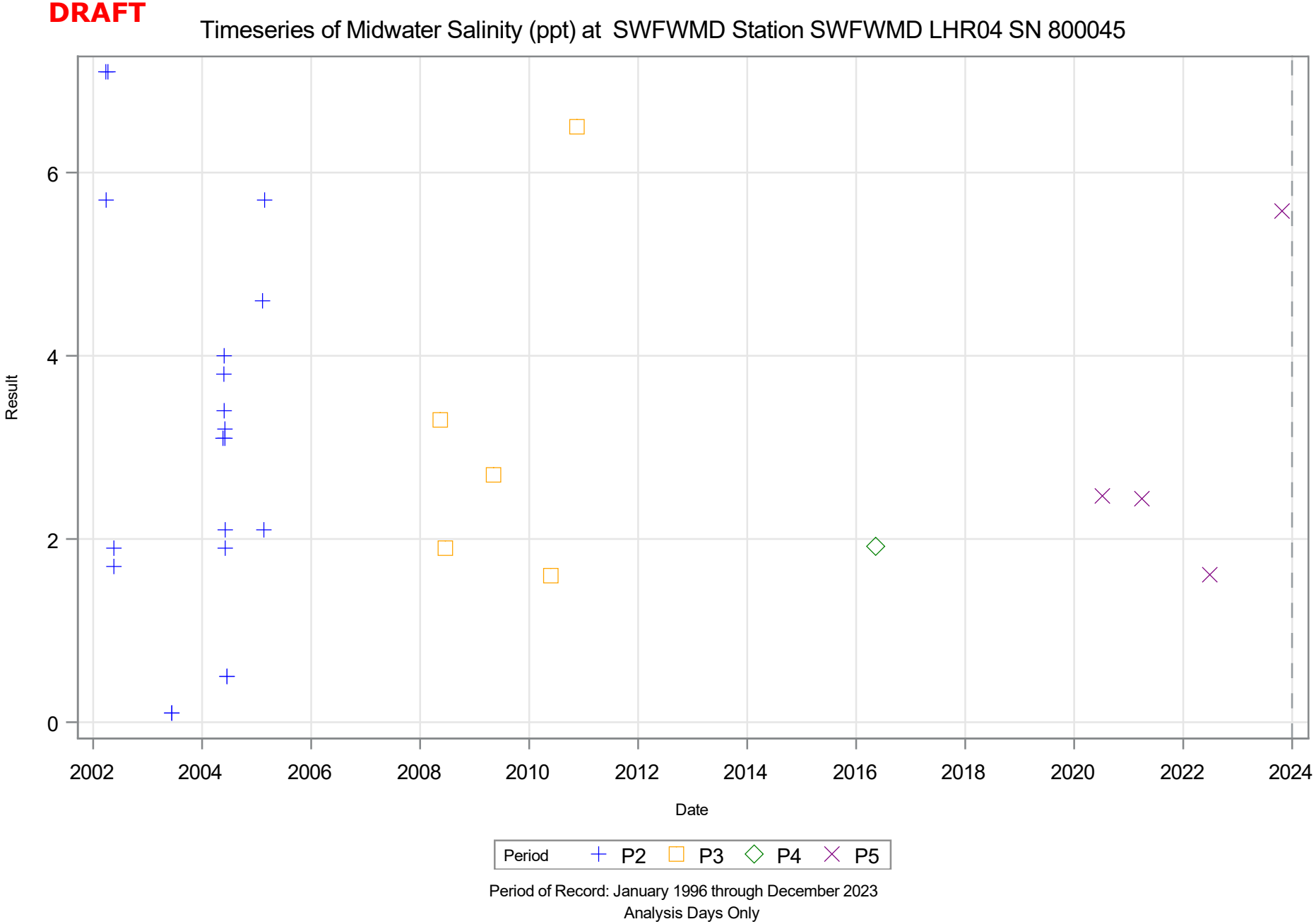
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.10	0.30	2.82	2.35	4.70	7.20
P3	14	0.90	1.30	2.44	2.15	2.90	7.30
P4	8	1.92	2.06	2.55	2.30	2.59	4.60
P5	21	1.27	1.86	2.47	2.15	2.49	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

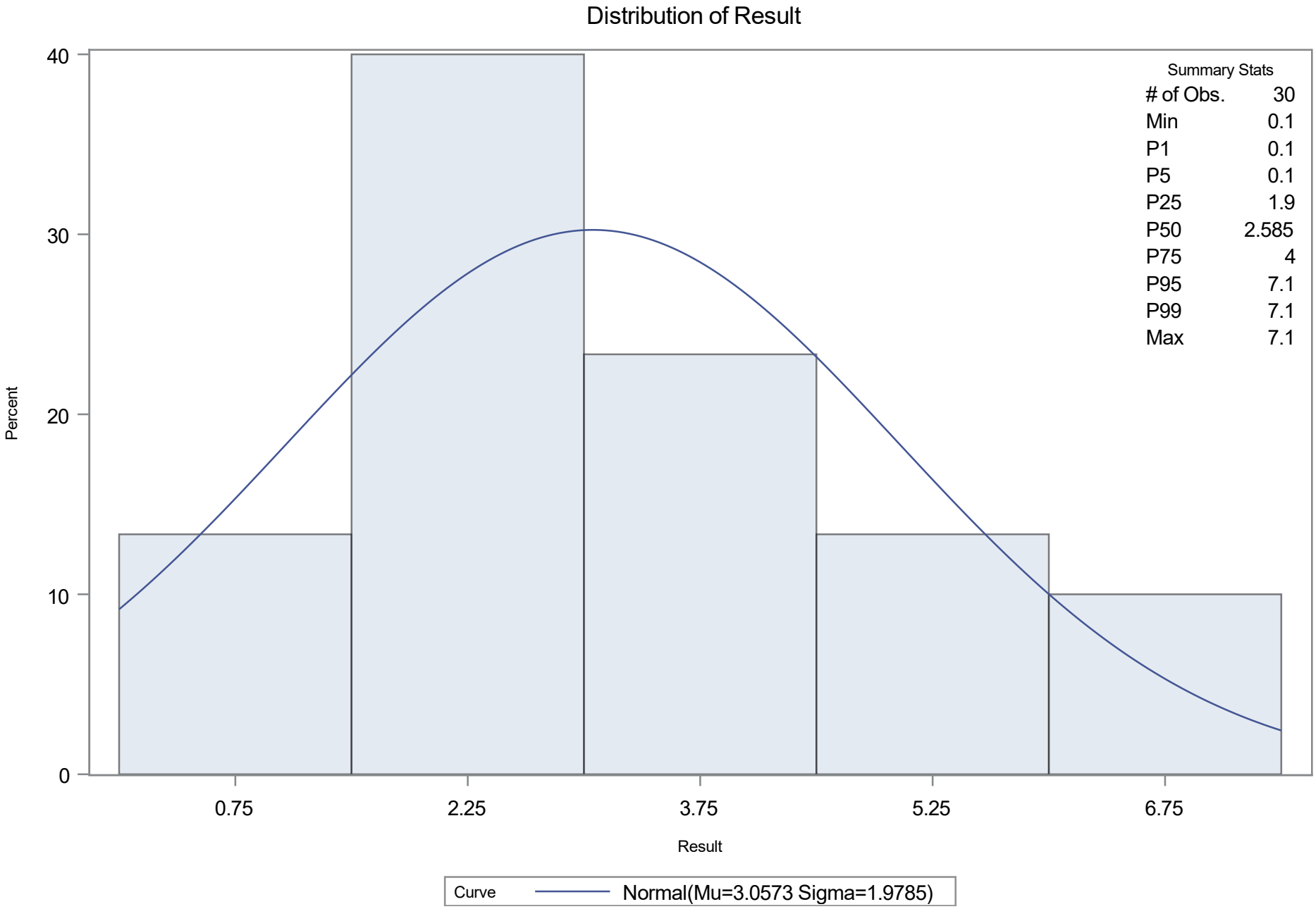

Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.057333
Std Dev	Sigma	1.978512

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13124942	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.12257174	**Pr > W-Sq**	0.053
Anderson-Darling	**A-Sq**	0.73013027	**Pr > A-Sq**	0.051

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.54537
5.0	0.10000	-0.19703
10.0	0.50000	0.52177
25.0	1.90000	1.72285
50.0	2.58500	3.05733
75.0	4.00000	4.39182
90.0	6.10000	5.59290
95.0	7.10000	6.31170
99.0	7.10000	7.66004

Period of Record: January 1996 through December 2023
Analysis Days Only

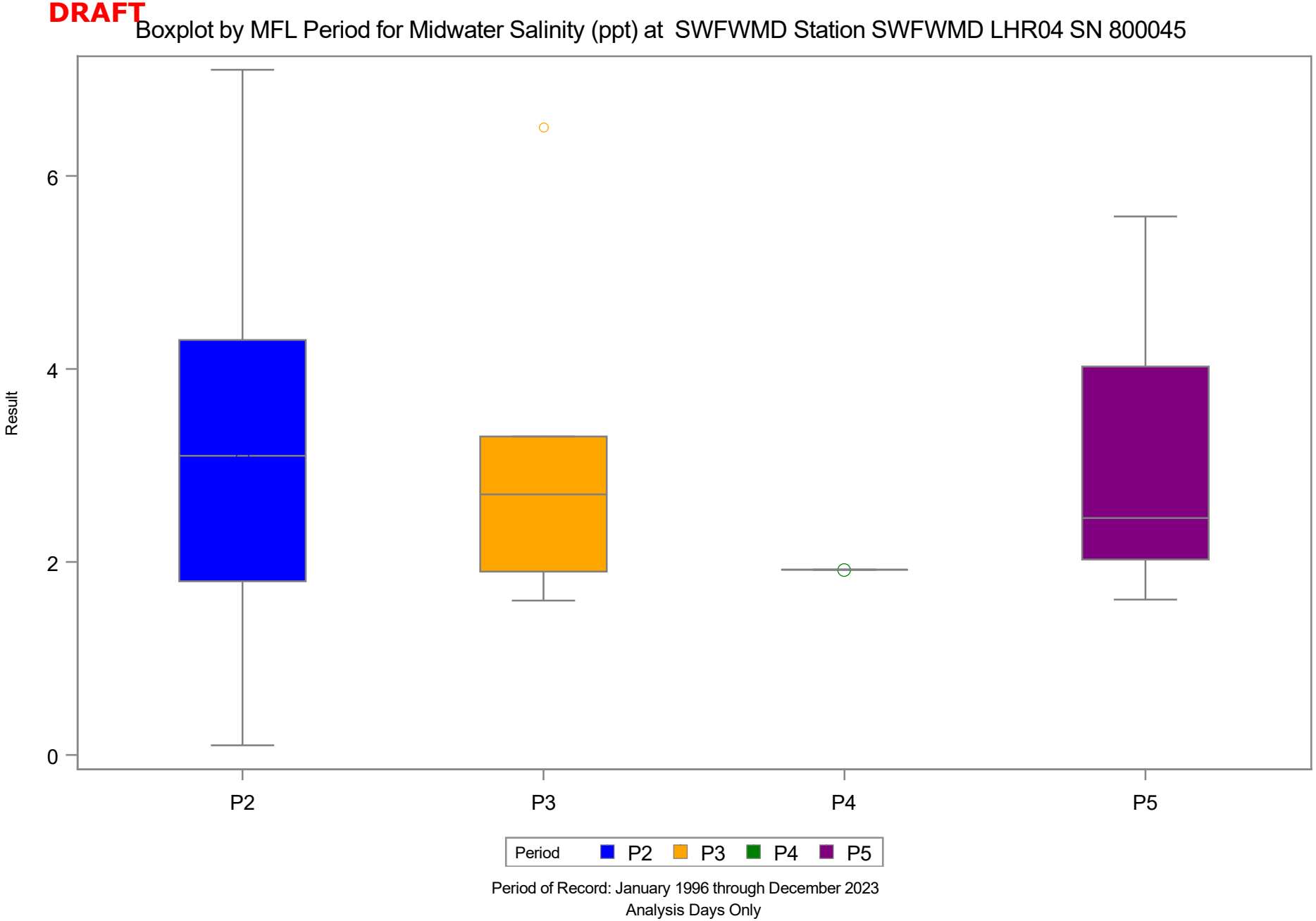
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045

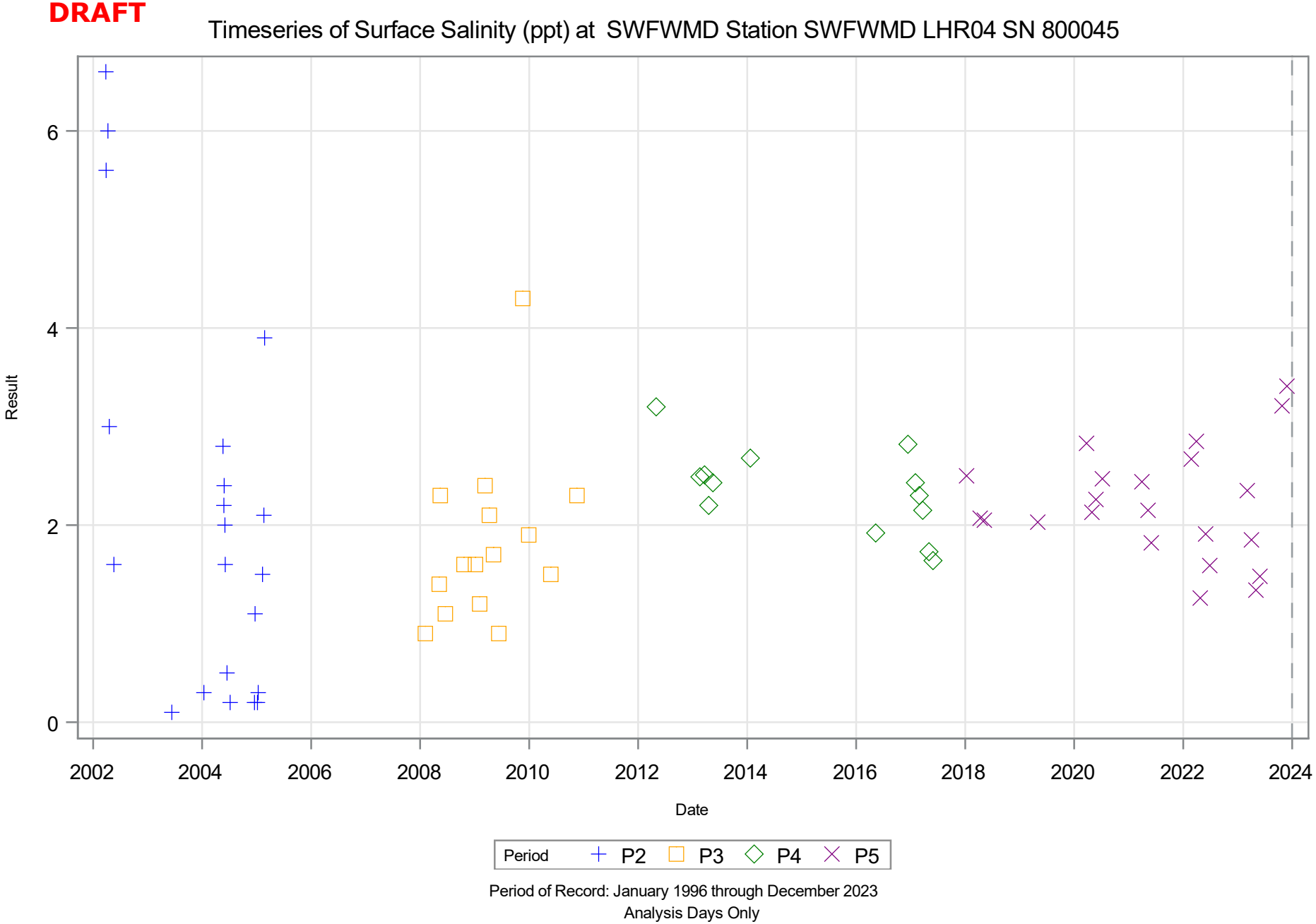
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	0.10	1.80	3.09	3.10	4.30	7.10
P3	5	1.60	1.90	3.20	2.70	3.30	6.50
P4	1	1.92	1.92	1.92	1.92	1.92	1.92
P5	4	1.61	2.03	3.03	2.46	4.03	5.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

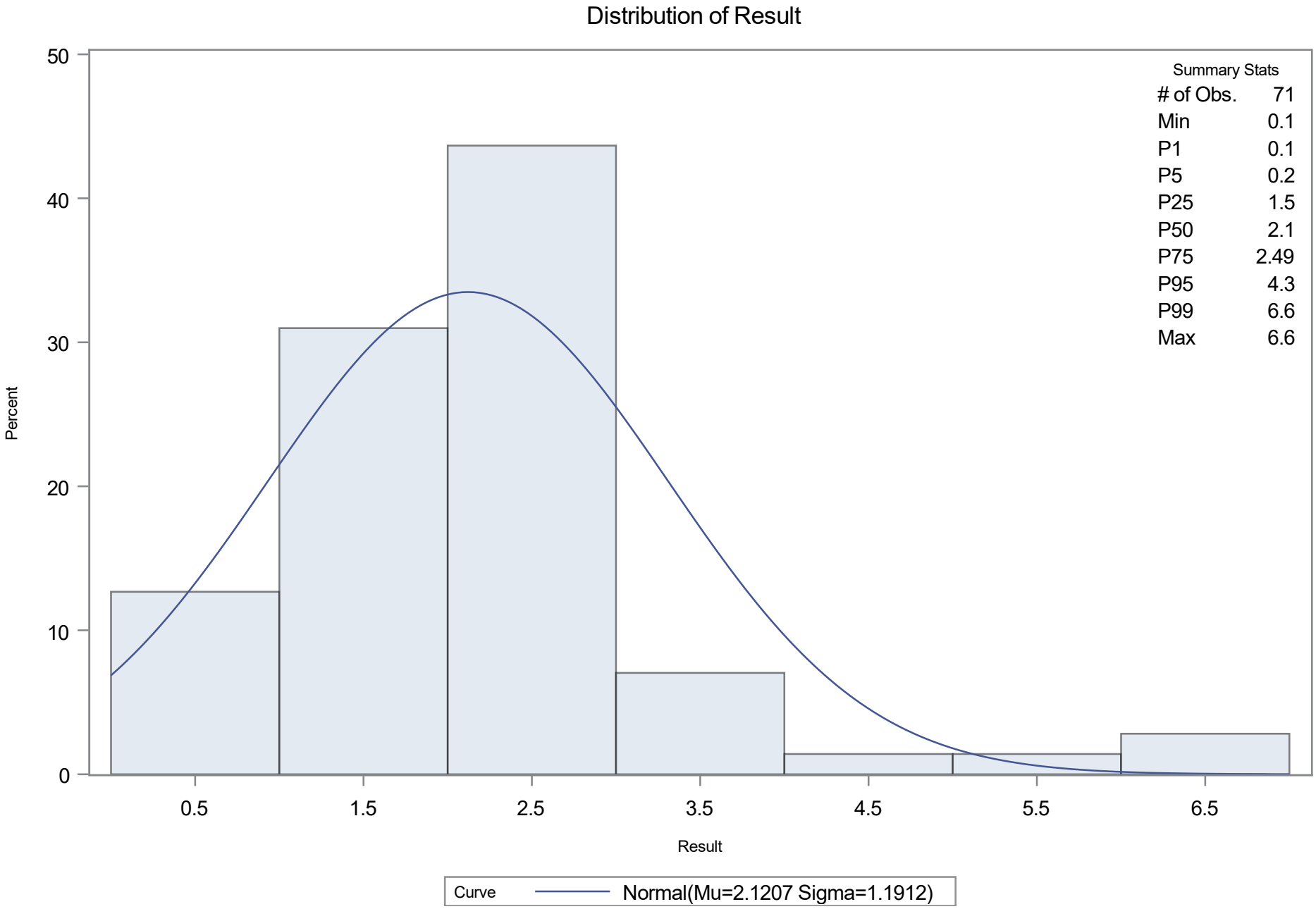

Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
0
2
4
6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
0
2
4
6
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.120704
Std Dev	Sigma	1.191225

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16064093	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33760847	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.12375729	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-0.65050
5.0	0.20000	0.16131
10.0	0.90000	0.59409
25.0	1.50000	1.31723
50.0	2.10000	2.12070
75.0	2.49000	2.92417
90.0	3.20000	3.64732
95.0	4.30000	4.08010
99.0	6.60000	4.89191

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

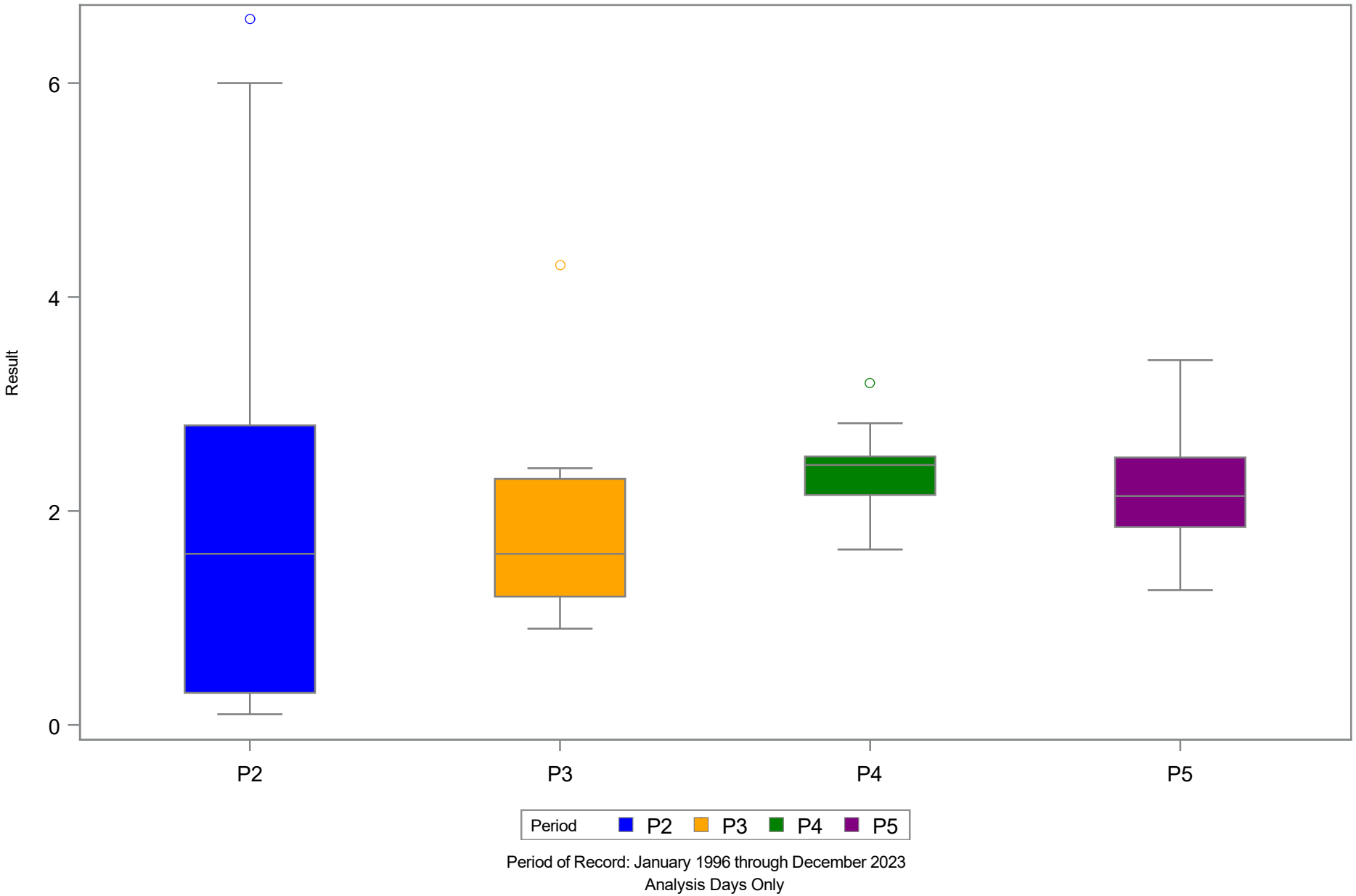
Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.10	0.30	2.10	1.60	2.80	6.60
P3	15	0.90	1.20	1.81	1.60	2.30	4.30
P4	13	1.64	2.15	2.35	2.43	2.51	3.20
P5	22	1.26	1.85	2.21	2.14	2.50	3.41

Period of Record: January 1996 through December 2023
Analysis Days Only

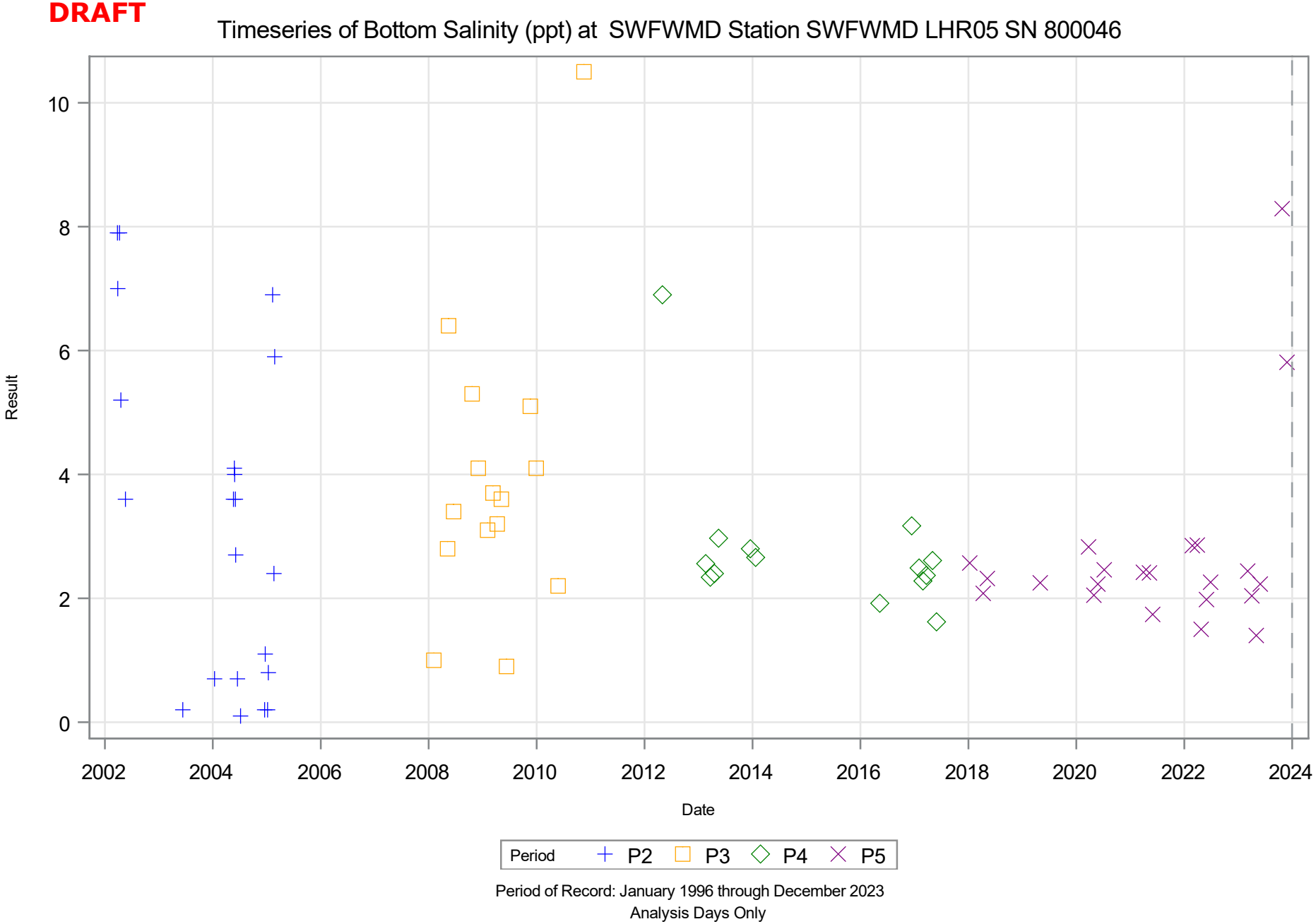
DRAFT

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR04 SN 800045



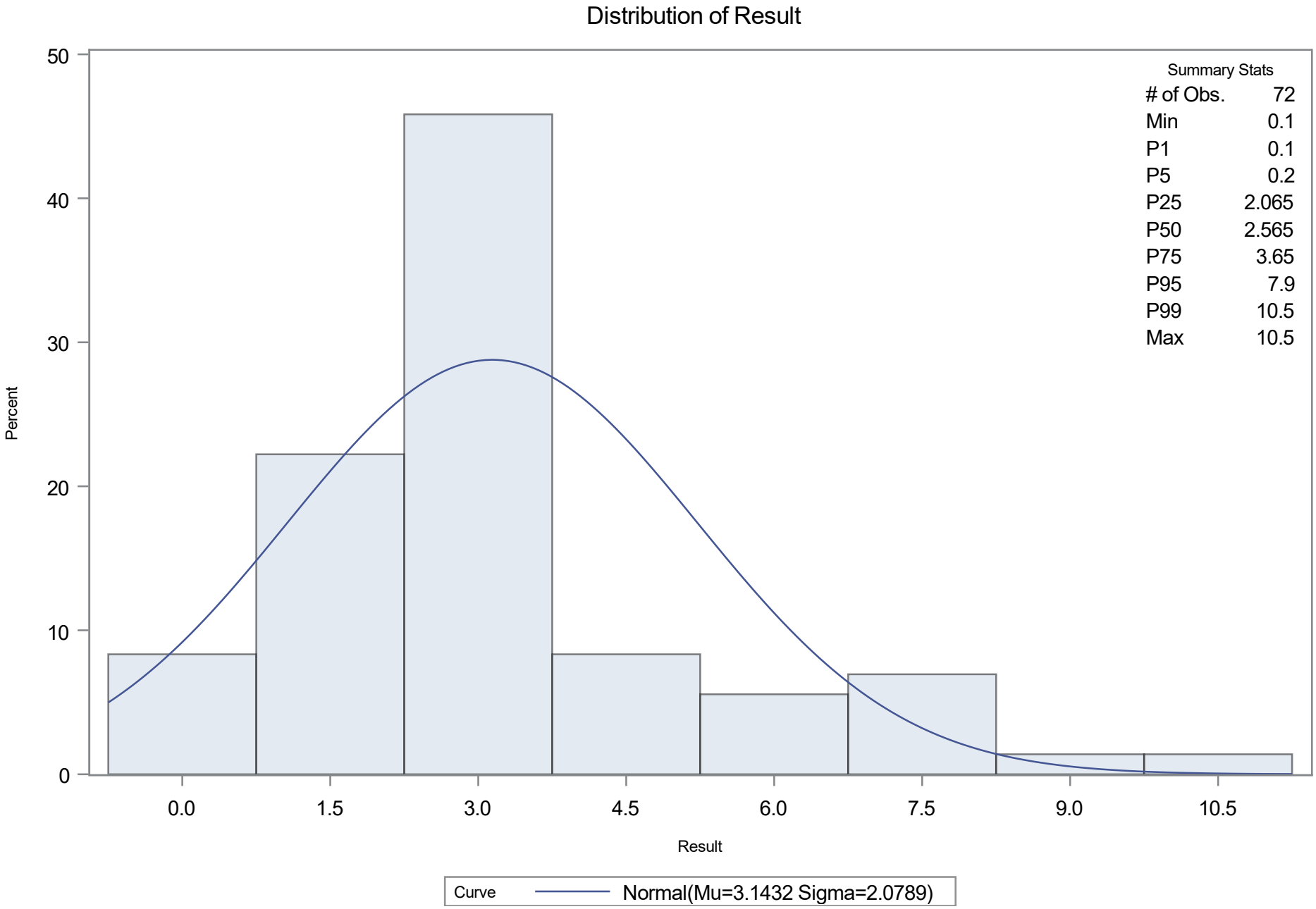
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
0
2
4
6
8
10
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.143194
Std Dev	Sigma	2.078932

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17917675	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.57635654	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.00267162	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-1.69313
5.0	0.20000	-0.27635
10.0	0.90000	0.47894
25.0	2.06500	1.74098
50.0	2.56500	3.14319
75.0	3.65000	4.54541
90.0	6.40000	5.80745
95.0	7.90000	6.56273
99.0	10.50000	7.97951

Period of Record: January 1996 through December 2023
Analysis Days Only

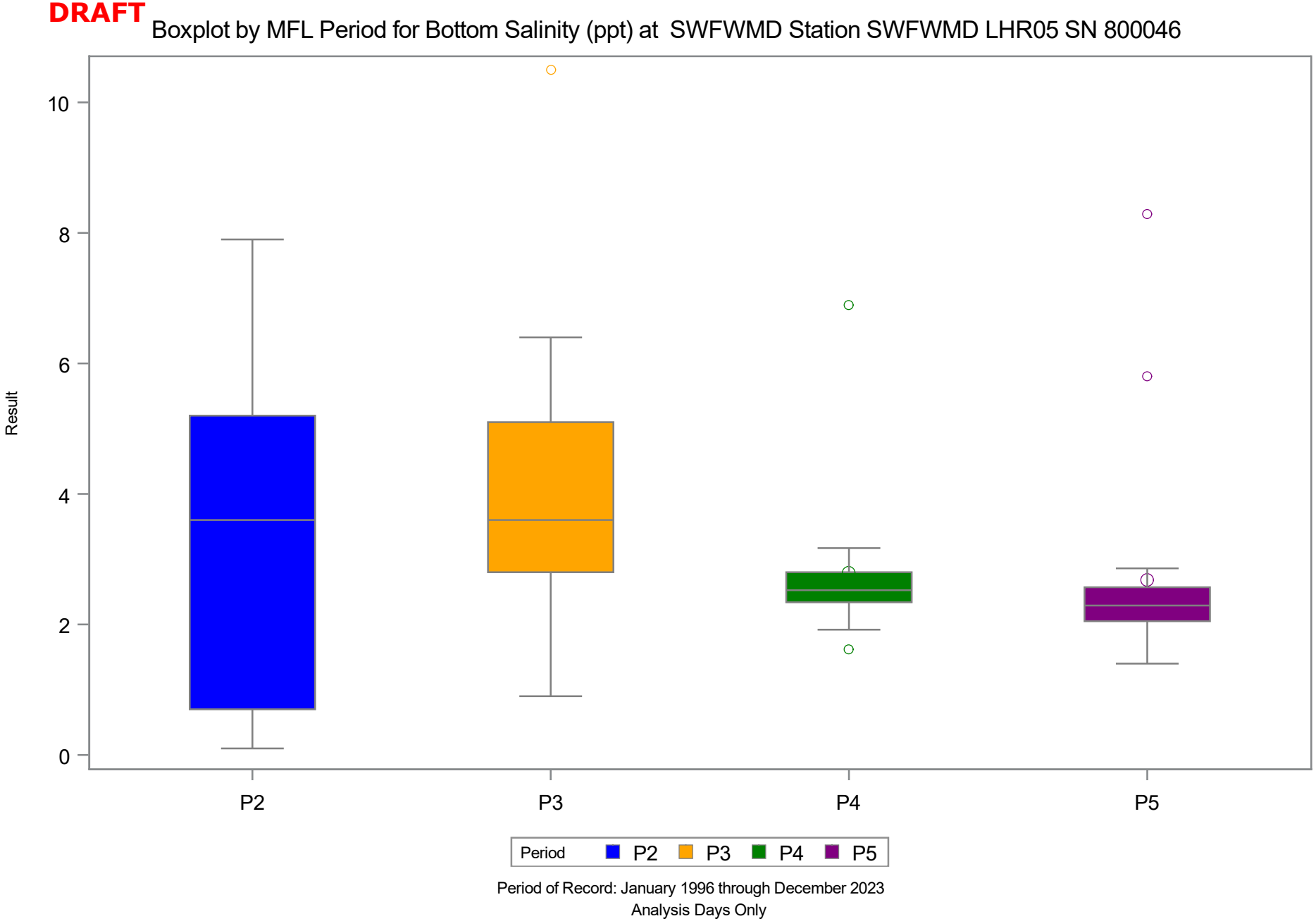
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046

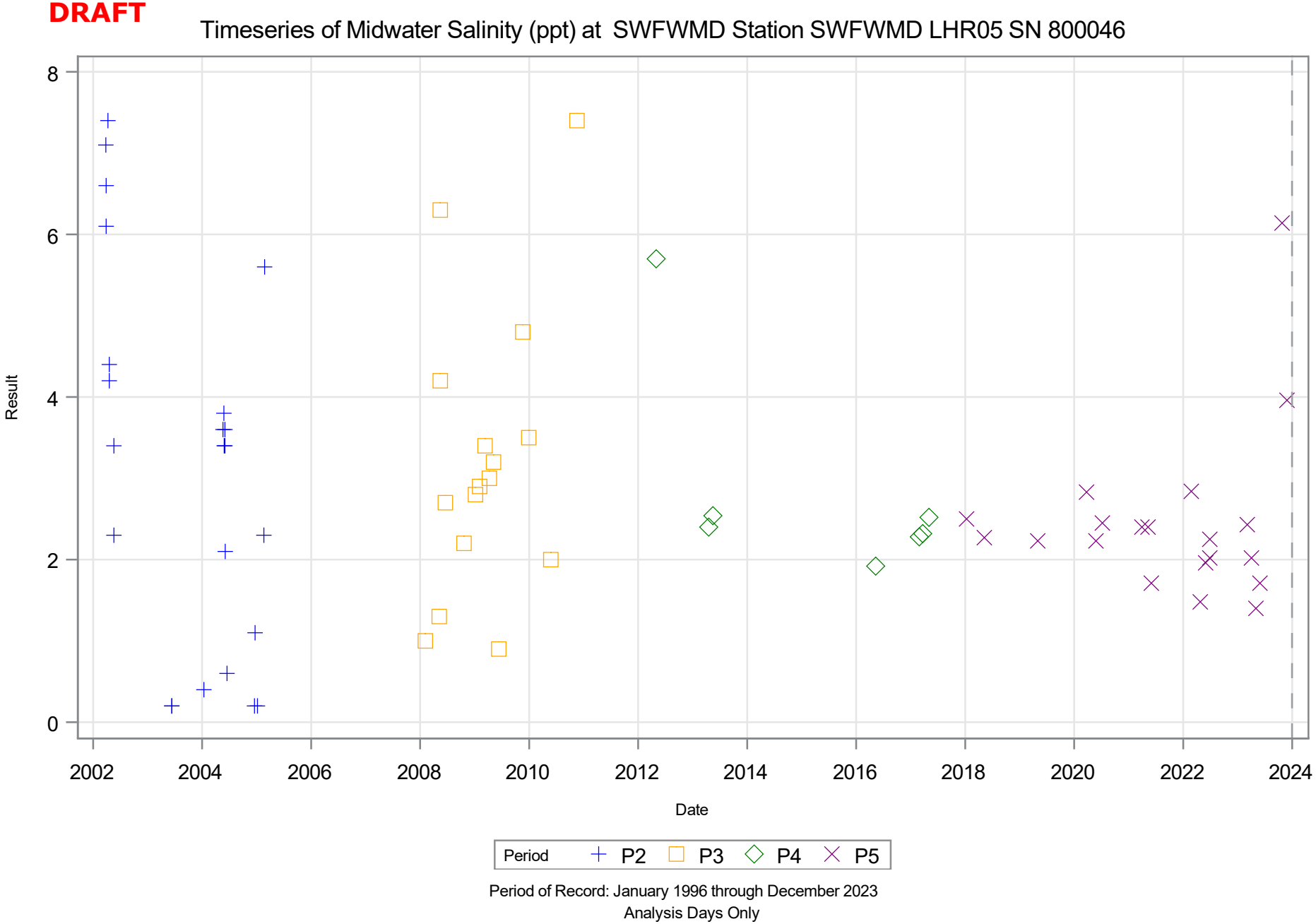
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.10	0.70	3.28	3.60	5.20	7.90
P3	15	0.90	2.80	3.96	3.60	5.10	10.50
P4	14	1.62	2.34	2.79	2.53	2.80	6.90
P5	22	1.40	2.05	2.68	2.29	2.57	8.29

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

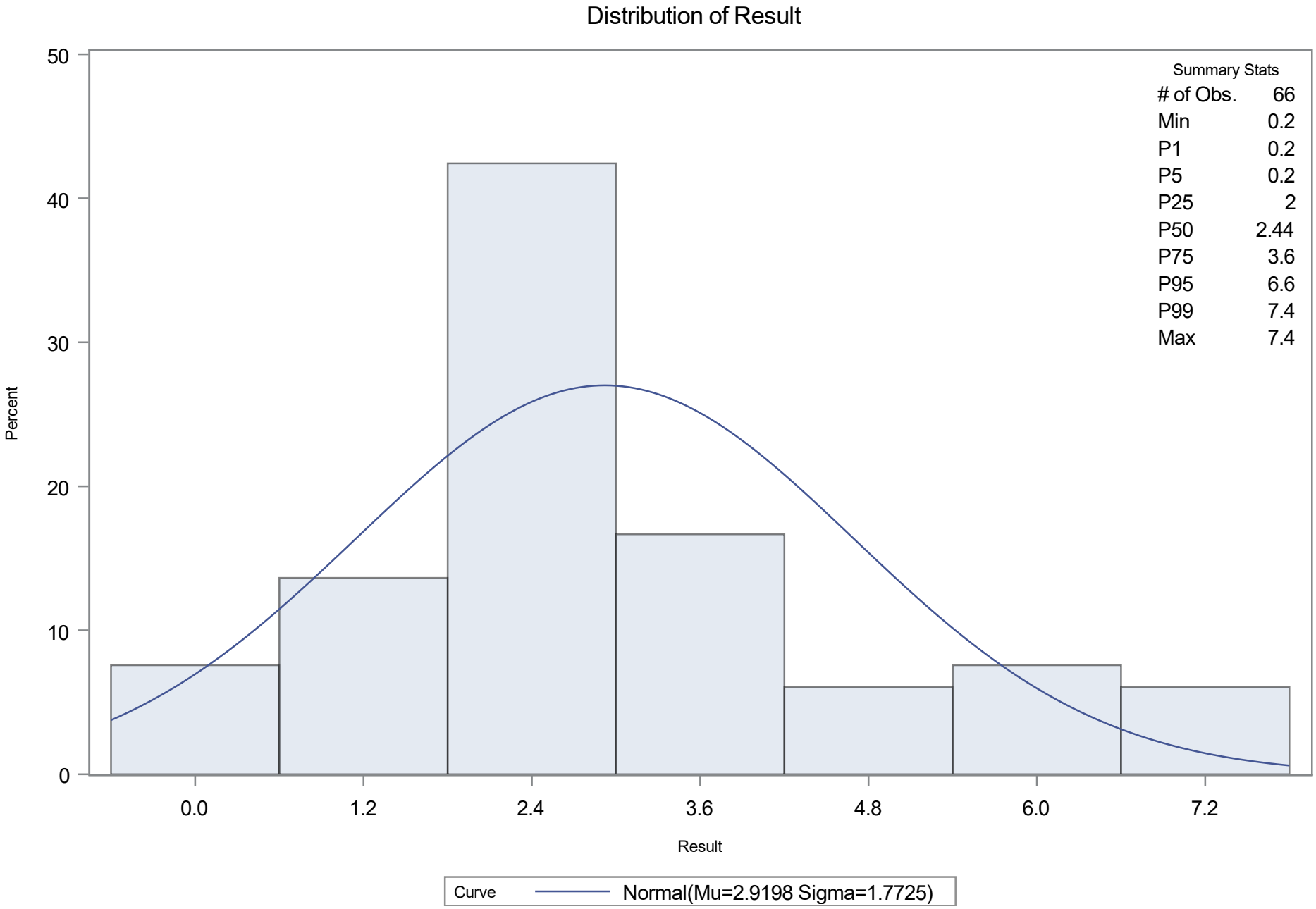

Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
10
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.919848
Std Dev	Sigma	1.772484

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14545063	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33972350	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.92198996	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-1.20357
5.0	0.20000	0.00437
10.0	0.90000	0.64832
25.0	2.00000	1.72433
50.0	2.44000	2.91985
75.0	3.60000	4.11537
90.0	6.10000	5.19138
95.0	6.60000	5.83533
99.0	7.40000	7.04326

Period of Record: January 1996 through December 2023
Analysis Days Only

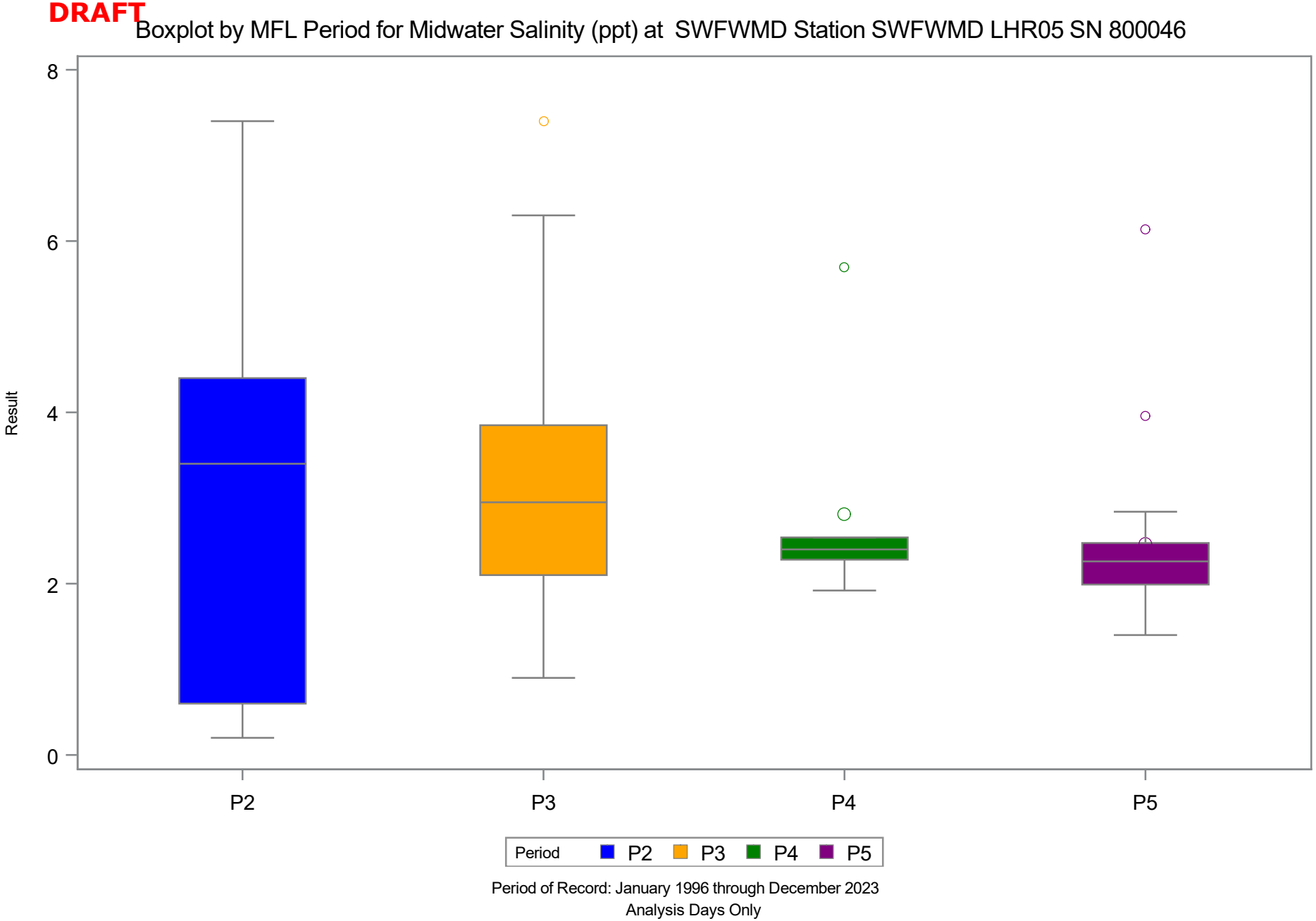
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046

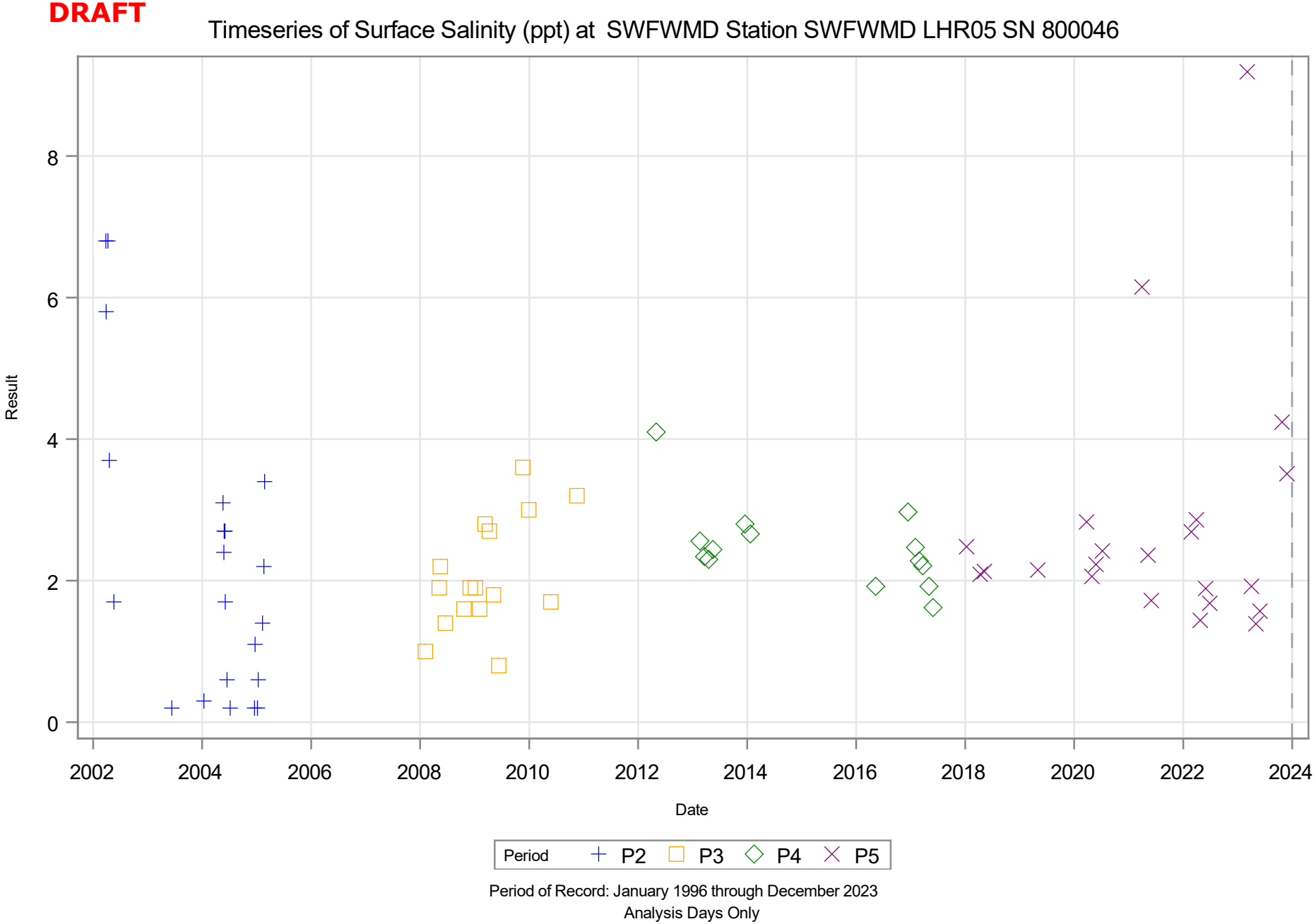
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	23	0.20	0.60	3.14	3.40	4.40	7.40
P3	16	0.90	2.10	3.23	2.95	3.85	7.40
P4	7	1.92	2.28	2.81	2.40	2.54	5.70
P5	20	1.40	1.99	2.46	2.26	2.48	6.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

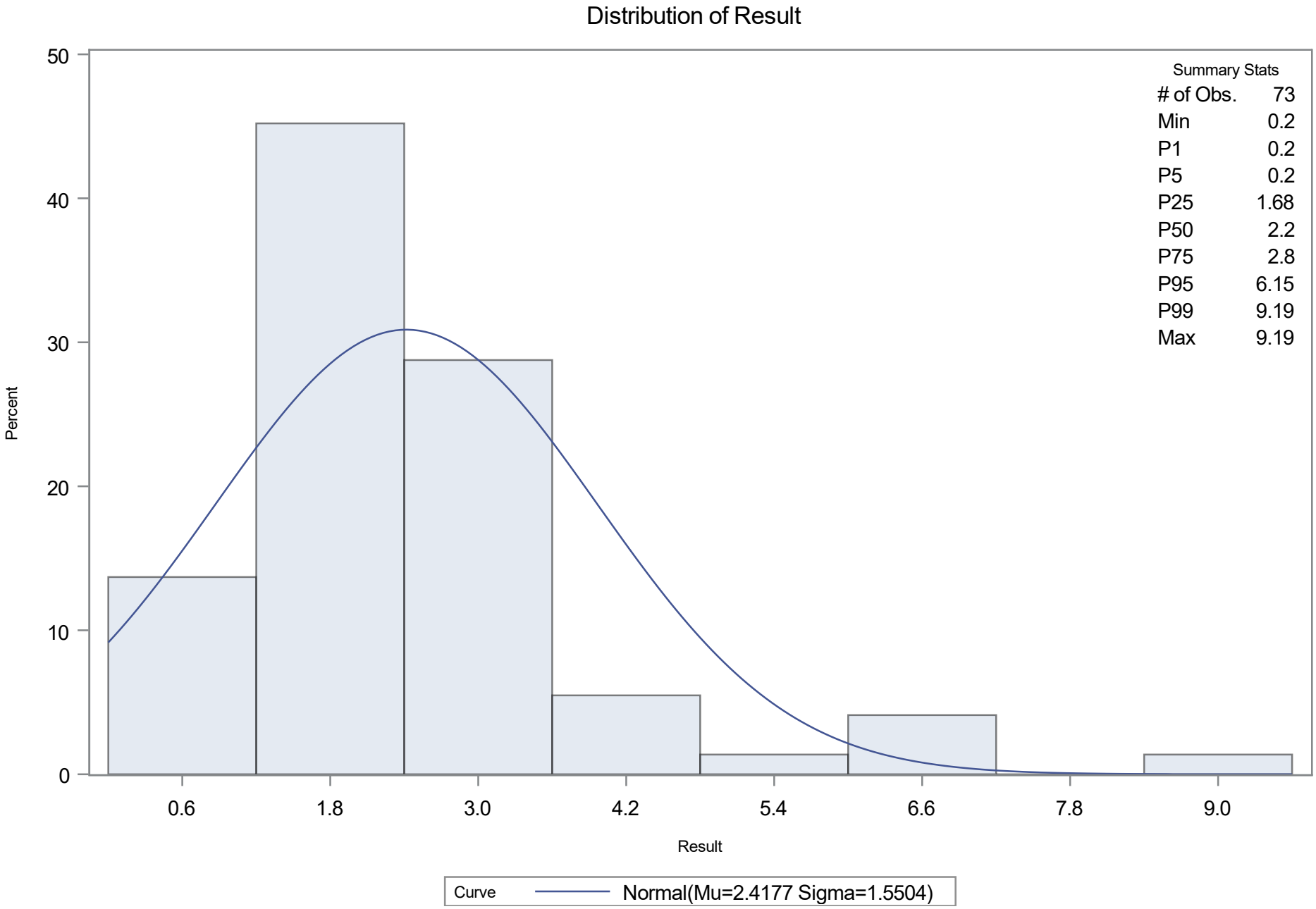
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.417671
Std Dev	Sigma	1.550387

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18222685	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.59827015	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.48499423	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-1.18907
5.0	0.20000	-0.13249
10.0	0.80000	0.43077
25.0	1.68000	1.37195
50.0	2.20000	2.41767
75.0	2.80000	3.46339
90.0	3.70000	4.40457
95.0	6.15000	4.96783
99.0	9.19000	6.02441

Period of Record: January 1996 through December 2023
Analysis Days Only

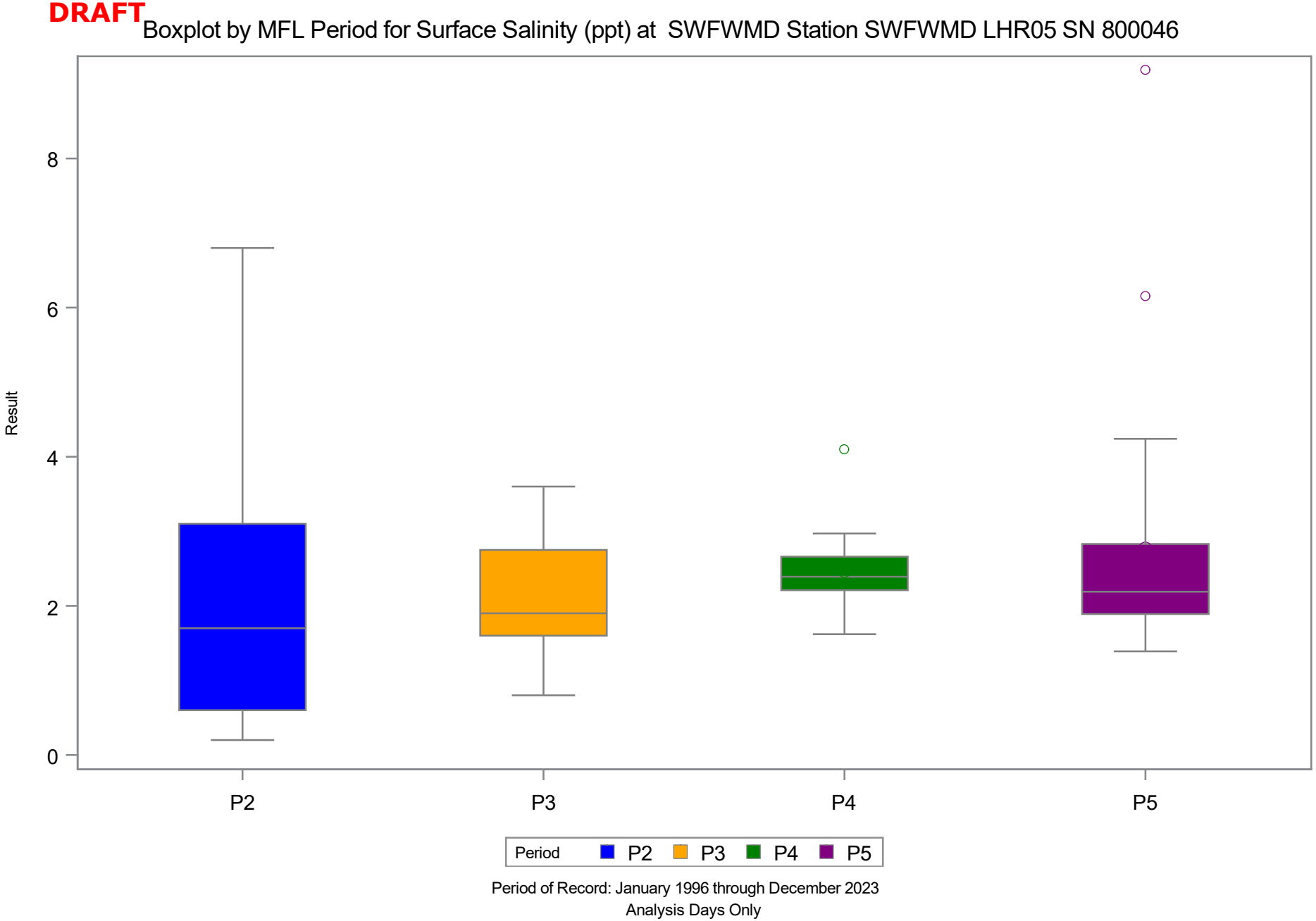
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046

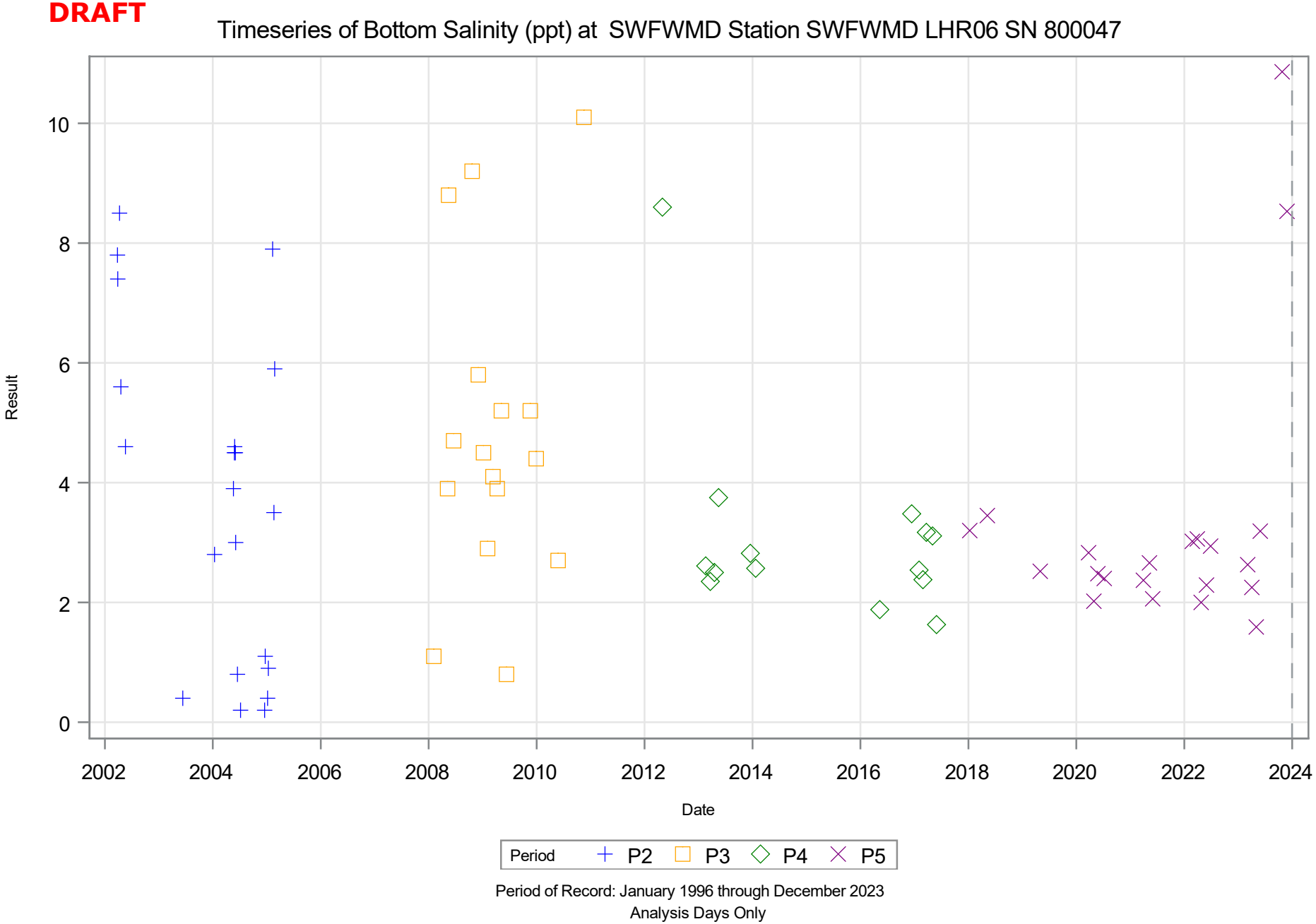
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	0.60	2.28	1.70	3.10	6.80
P3	16	0.80	1.60	2.07	1.90	2.75	3.60
P4	14	1.62	2.21	2.47	2.39	2.66	4.10
P5	22	1.39	1.89	2.77	2.19	2.83	9.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

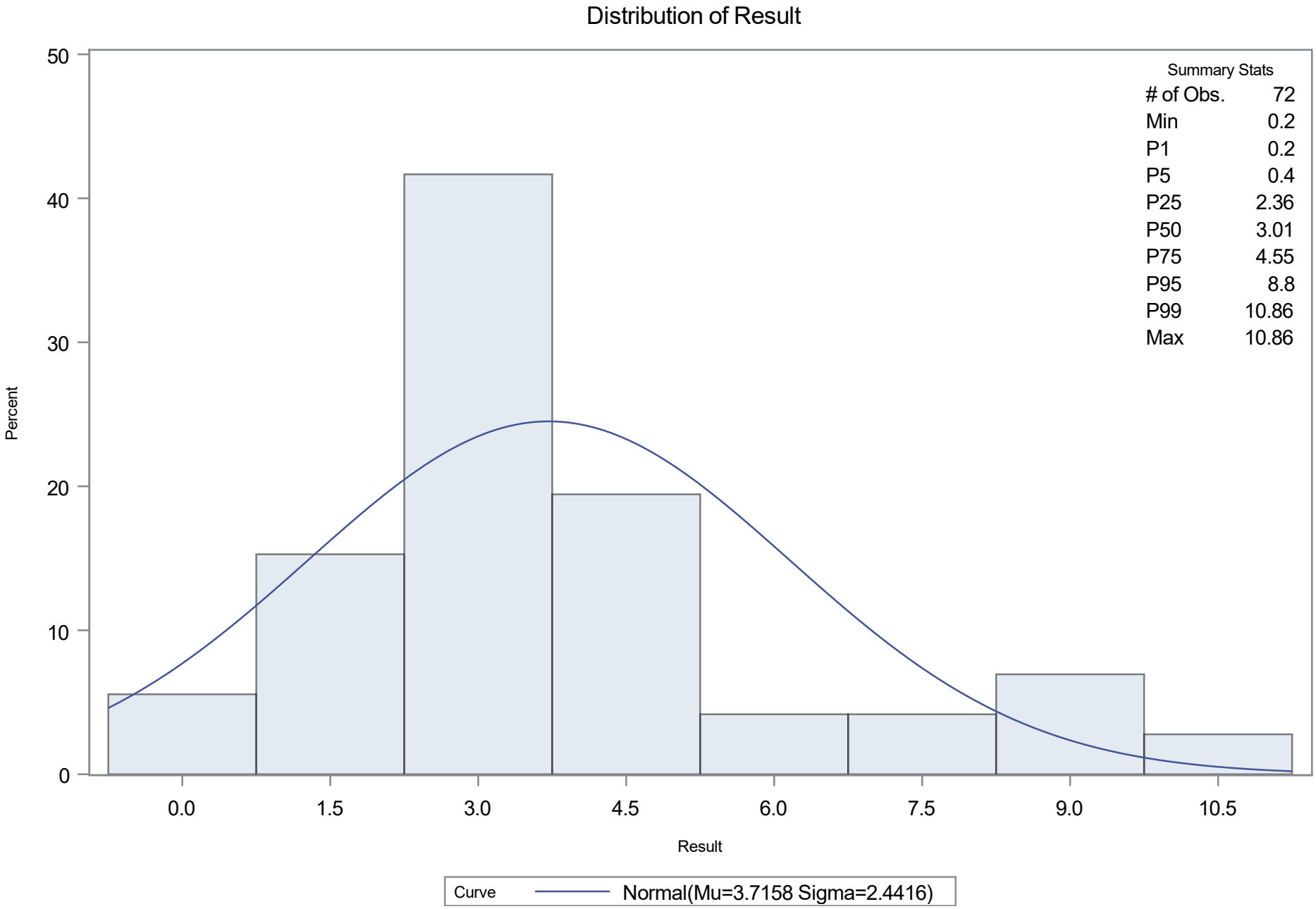

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
0
2
4
6
8
10
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.715833
Std Dev	Sigma	2.441581

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16699512	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.50435378	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.87113973	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-1.96413
5.0	0.40000	-0.30021
10.0	1.10000	0.58682
25.0	2.36000	2.06901
50.0	3.01000	3.71583
75.0	4.55000	5.36265
90.0	7.90000	6.84485
95.0	8.80000	7.73188
99.0	10.86000	9.39580

Period of Record: January 1996 through December 2023
Analysis Days Only

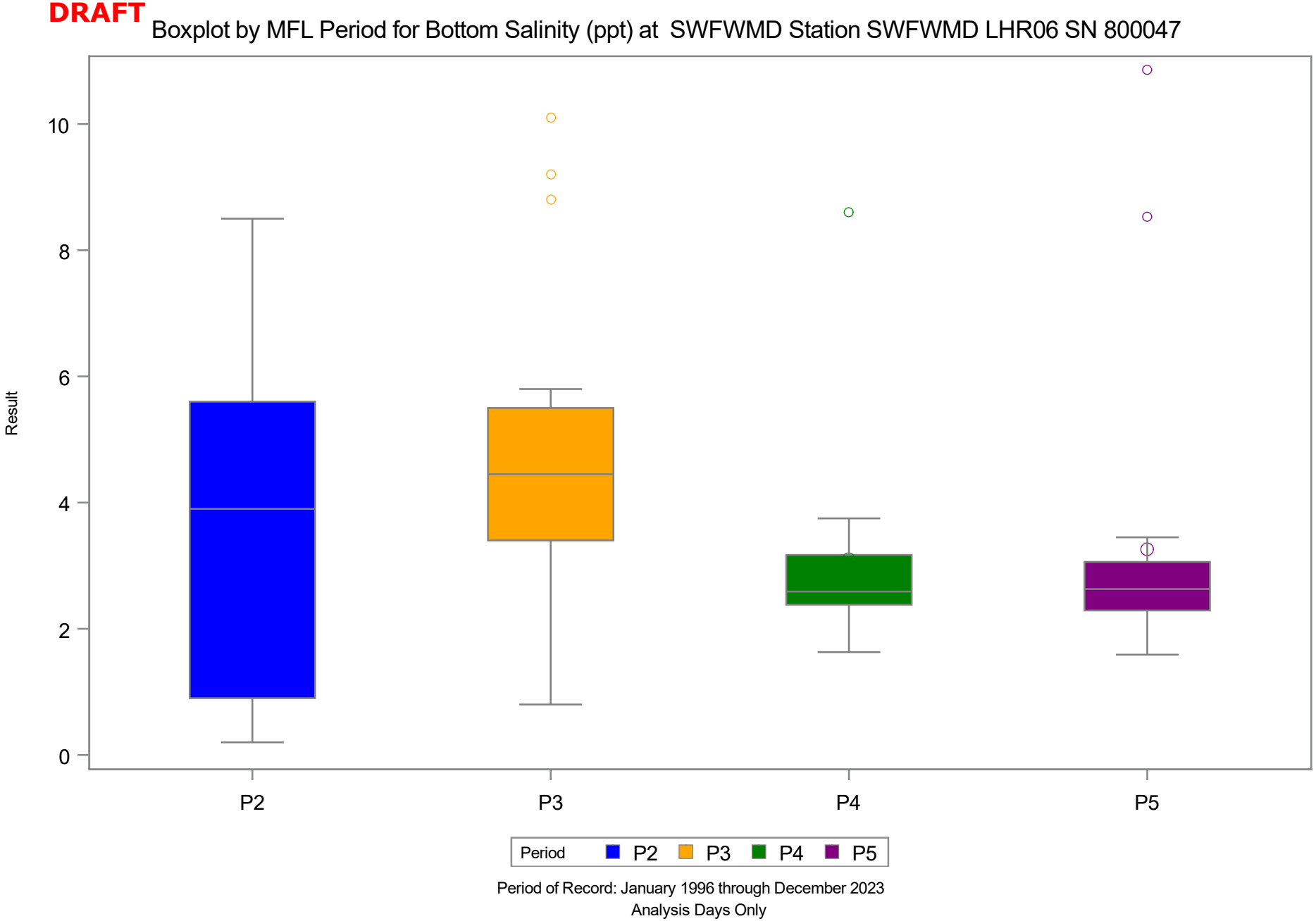
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047

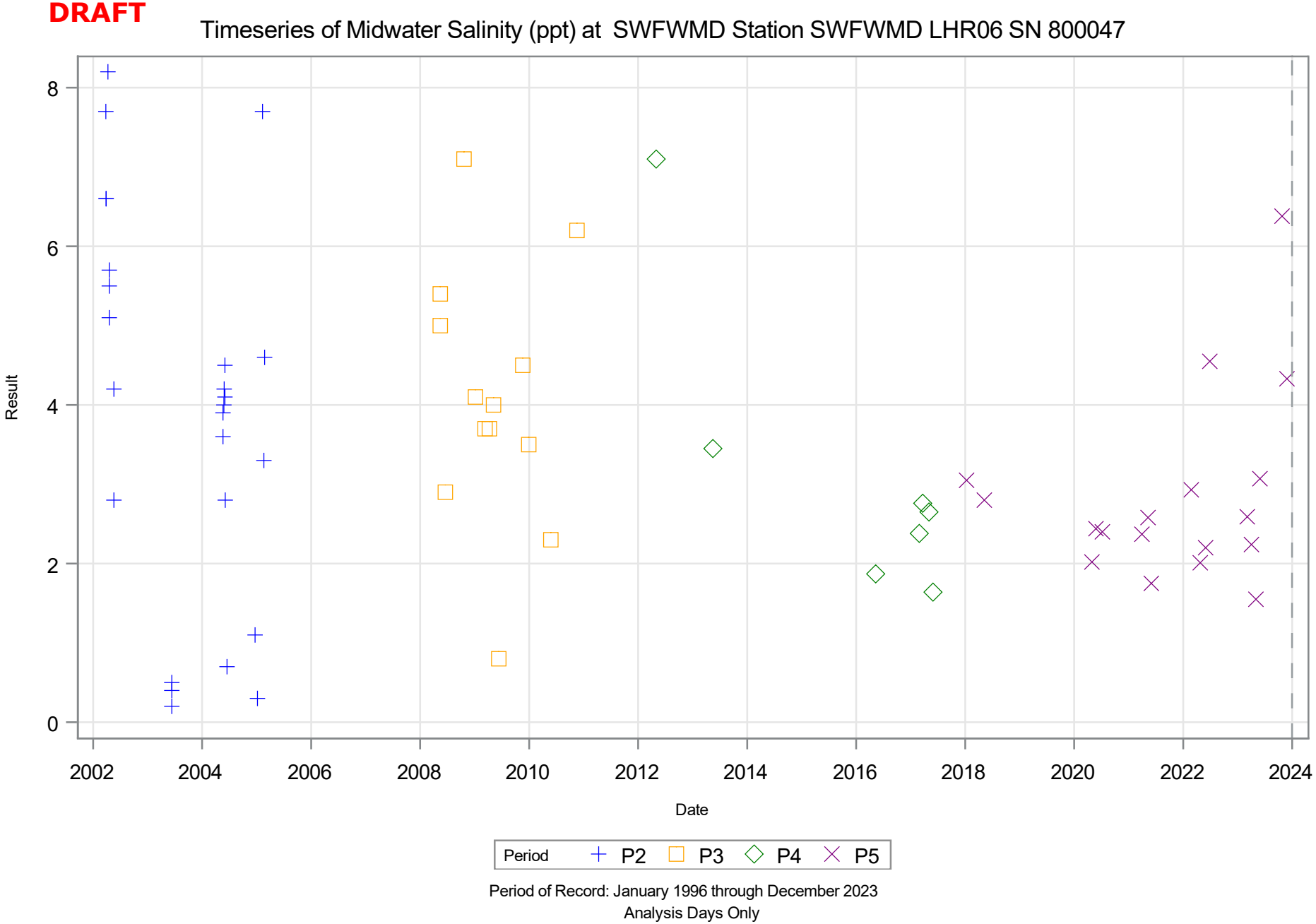
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	0.90	3.74	3.90	5.60	8.50
P3	16	0.80	3.40	4.83	4.45	5.50	10.10
P4	14	1.63	2.38	3.10	2.59	3.17	8.60
P5	21	1.59	2.29	3.25	2.63	3.06	10.86

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

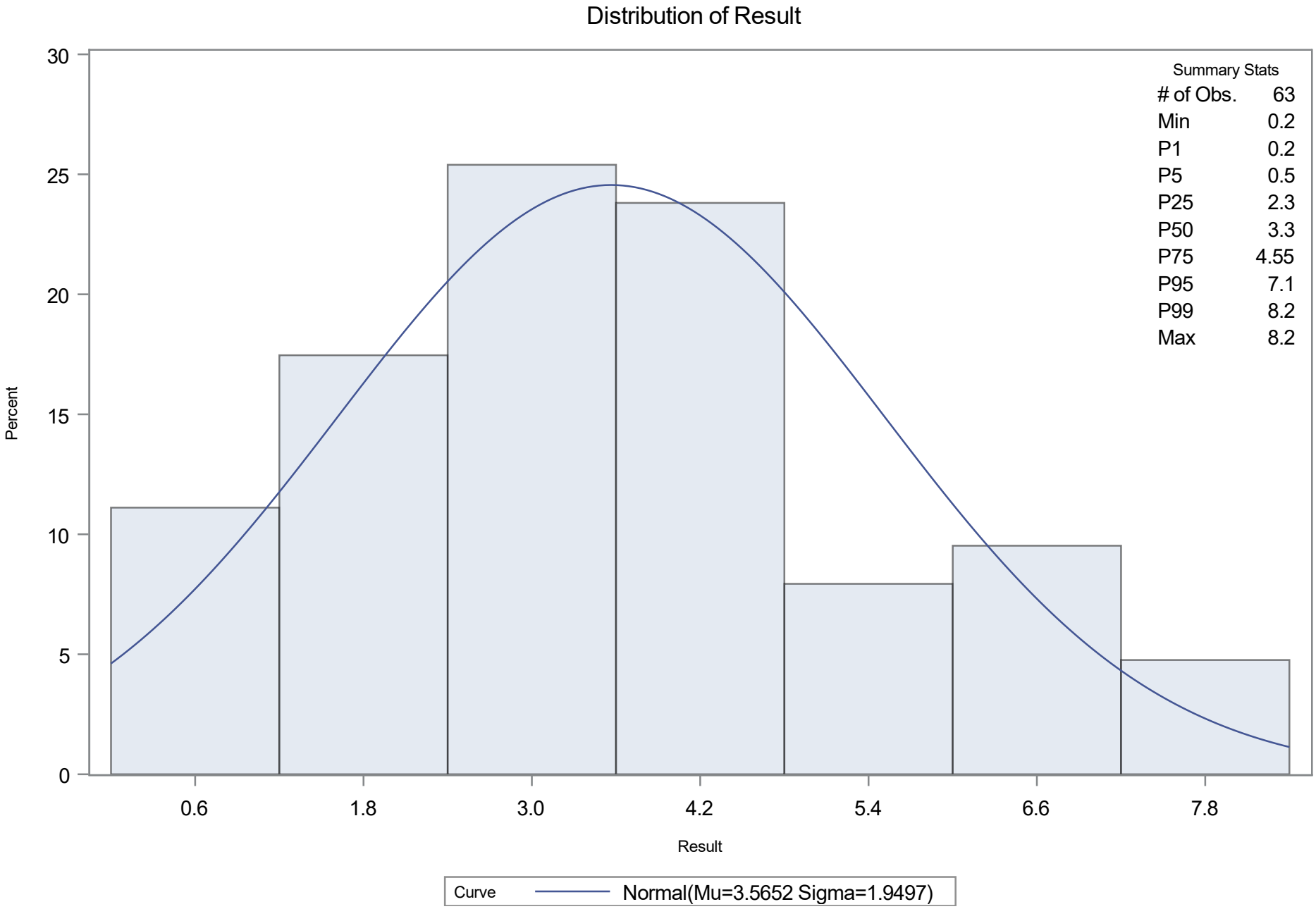

Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
10
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.565238
Std Dev	Sigma	1.949655

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09232081	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09827357	**Pr > W-Sq**	0.119
Anderson-Darling	**A-Sq**	0.62149979	**Pr > A-Sq**	0.101

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-0.97034
5.0	0.50000	0.35834
10.0	1.10000	1.06665
25.0	2.30000	2.25022
50.0	3.30000	3.56524
75.0	4.55000	4.88026
90.0	6.60000	6.06382
95.0	7.10000	6.77214
99.0	8.20000	8.10081

Period of Record: January 1996 through December 2023
Analysis Days Only

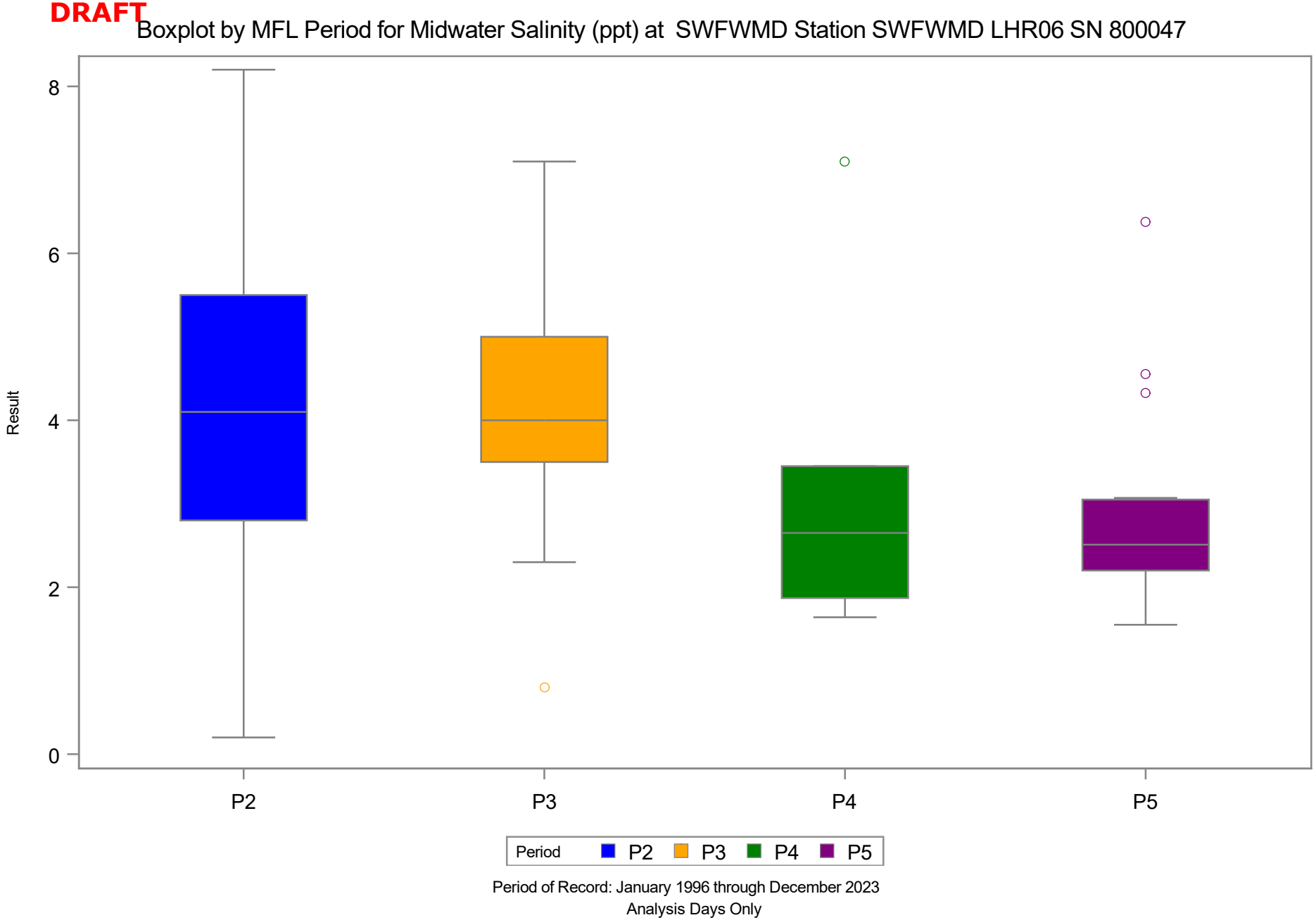
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047

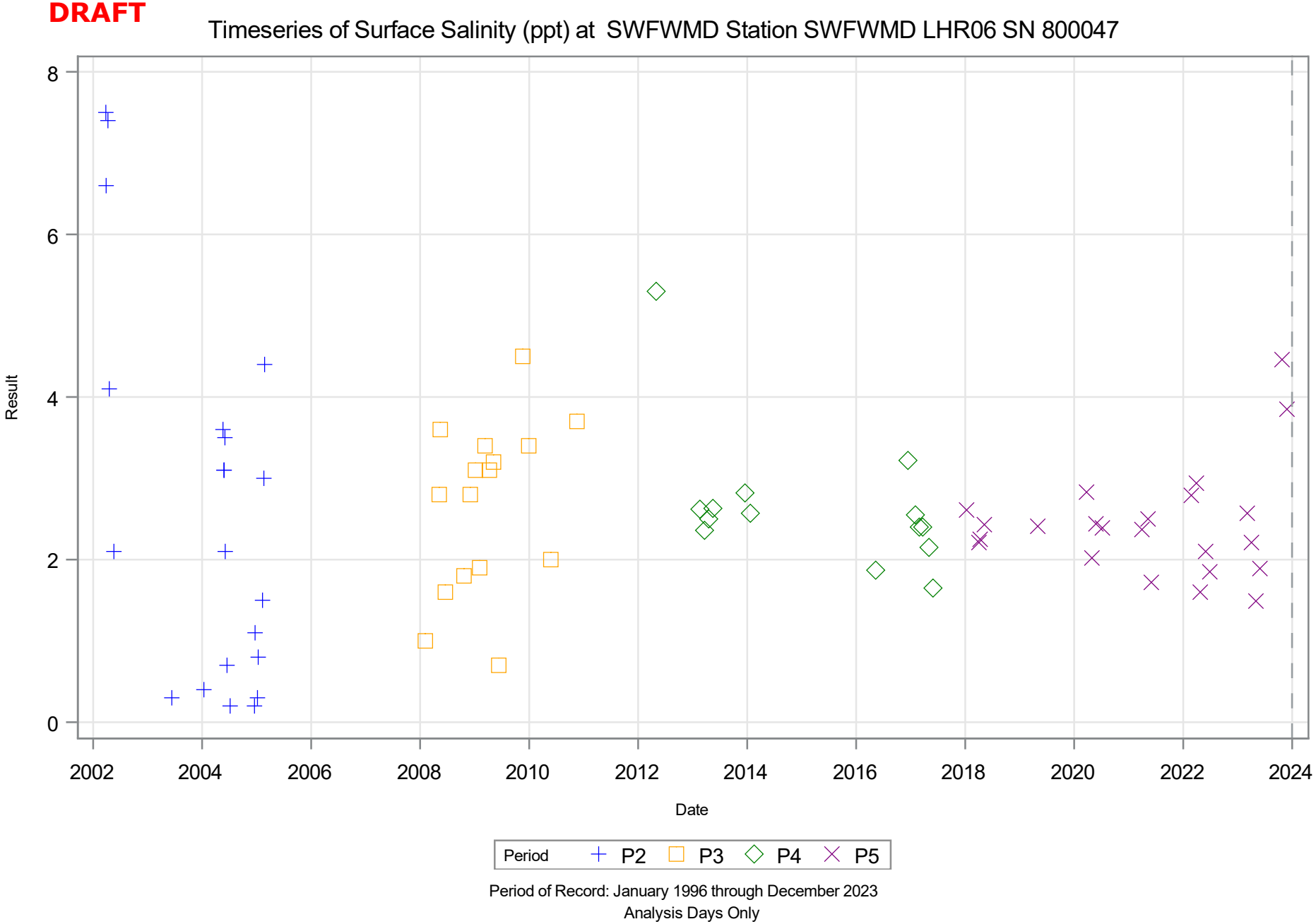
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.20	2.80	3.93	4.10	5.50	8.20
P3	13	0.80	3.50	4.09	4.00	5.00	7.10
P4	7	1.64	1.87	3.12	2.65	3.45	7.10
P5	18	1.55	2.20	2.85	2.51	3.05	6.38

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

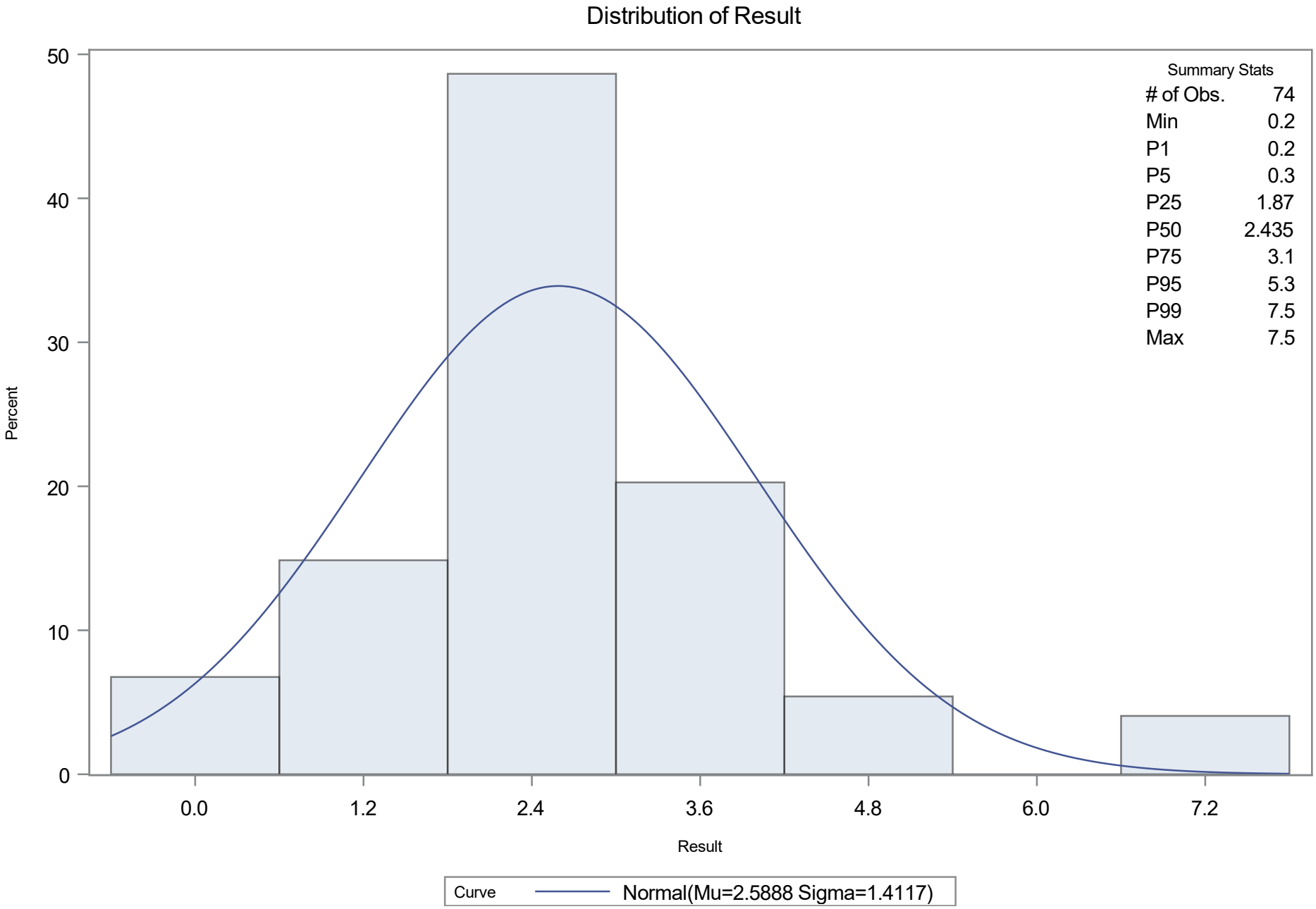

Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.588784
Std Dev	Sigma	1.41167

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12889551	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29570616	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.81316520	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-0.69525
5.0	0.30000	0.26679
10.0	0.80000	0.77966
25.0	1.87000	1.63663
50.0	2.43500	2.58878
75.0	3.10000	3.54094
90.0	4.10000	4.39791
95.0	5.30000	4.91077
99.0	7.50000	5.87282

Period of Record: January 1996 through December 2023
Analysis Days Only

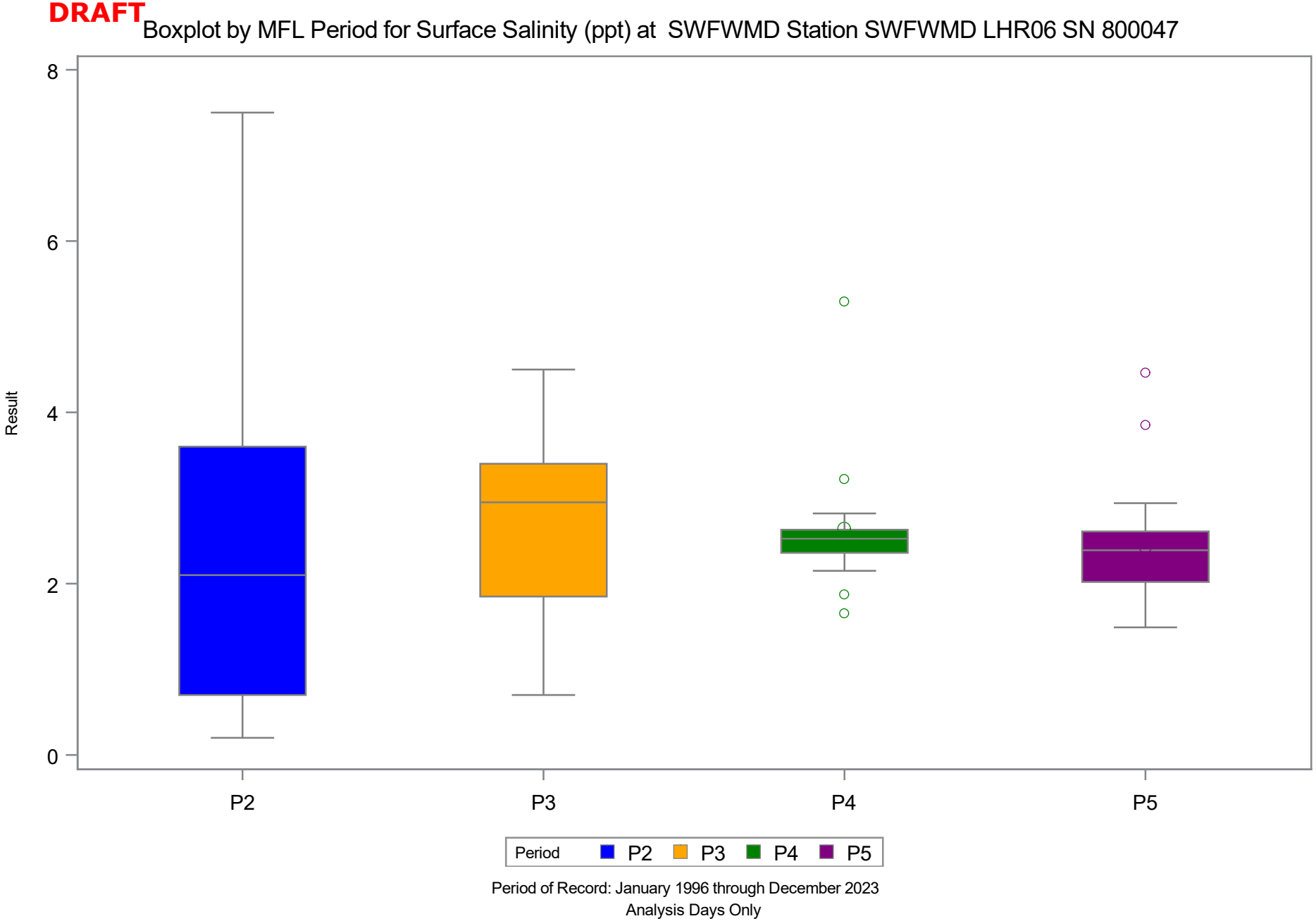
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047

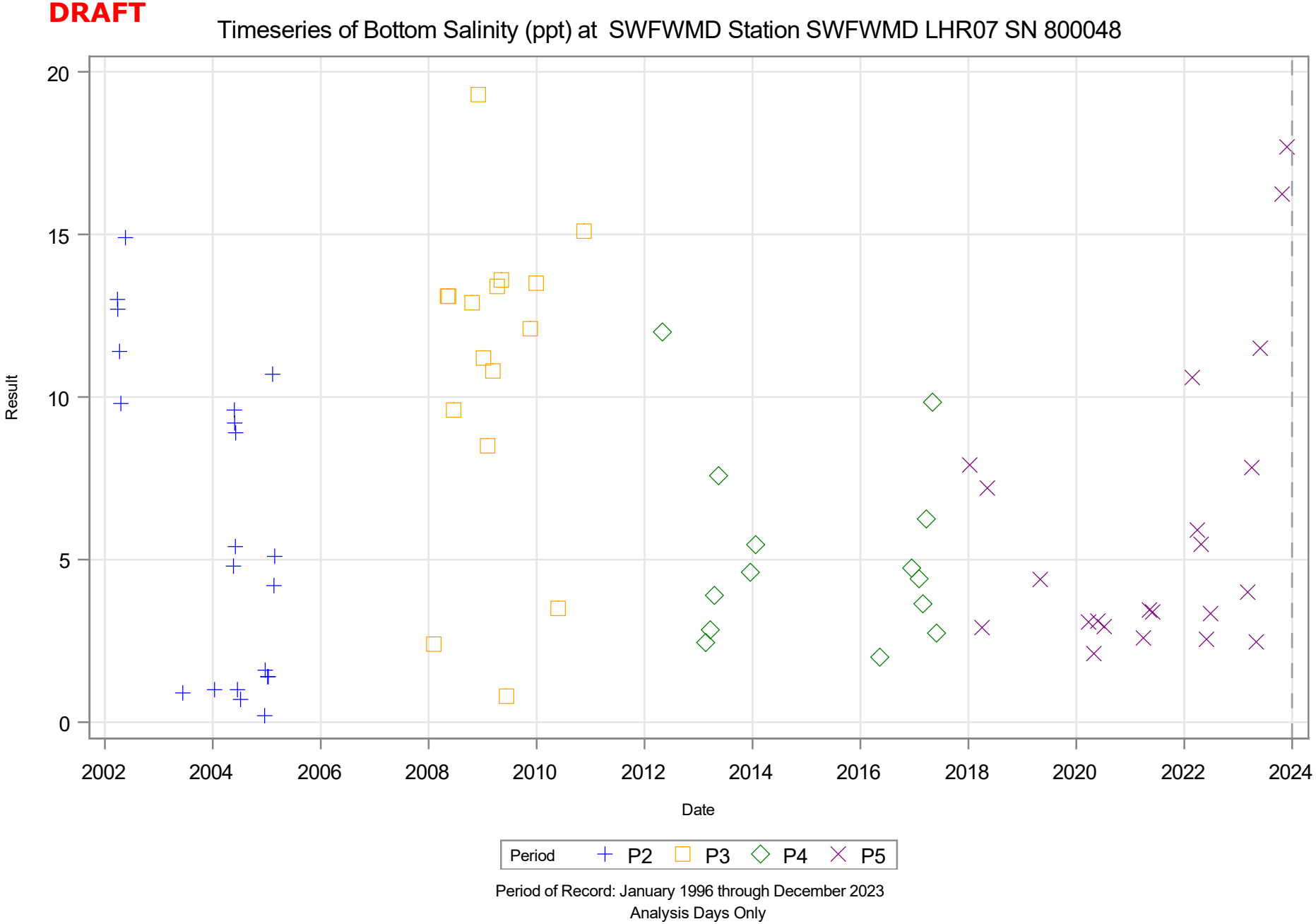
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	0.70	2.67	2.10	3.60	7.50
P3	16	0.70	1.85	2.66	2.95	3.40	4.50
P4	14	1.65	2.36	2.65	2.53	2.63	5.30
P5	23	1.49	2.02	2.43	2.39	2.61	4.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

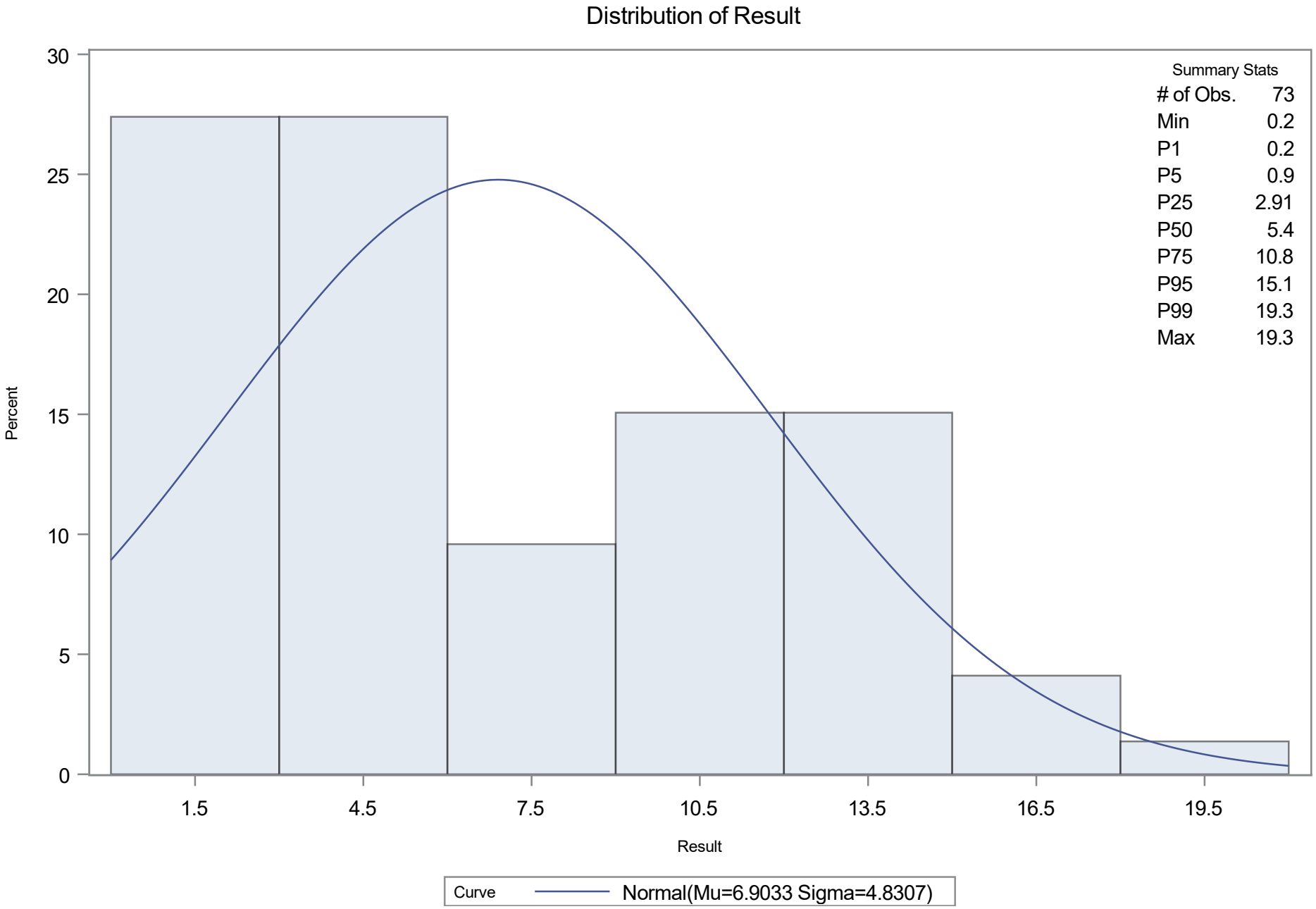
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.903288
Std Dev	Sigma	4.830663

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15090116	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.35621830	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.99616618	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-4.33452
5.0	0.90000	-1.04245
10.0	1.40000	0.71254
25.0	2.91000	3.64505
50.0	5.40000	6.90329
75.0	10.80000	10.16152
90.0	13.40000	13.09403
95.0	15.10000	14.84902
99.0	19.30000	18.14109

Period of Record: January 1996 through December 2023
Analysis Days Only

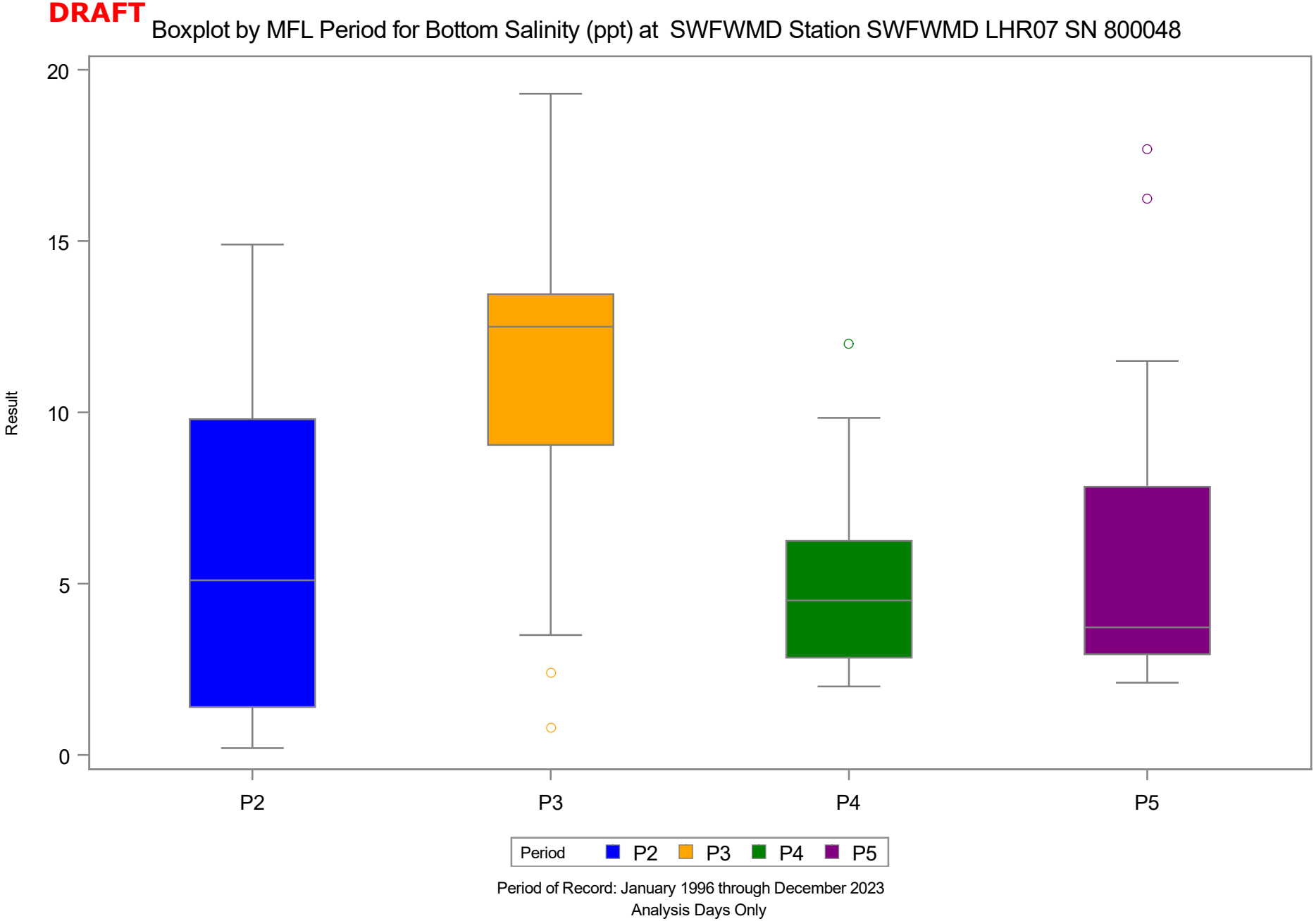
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048

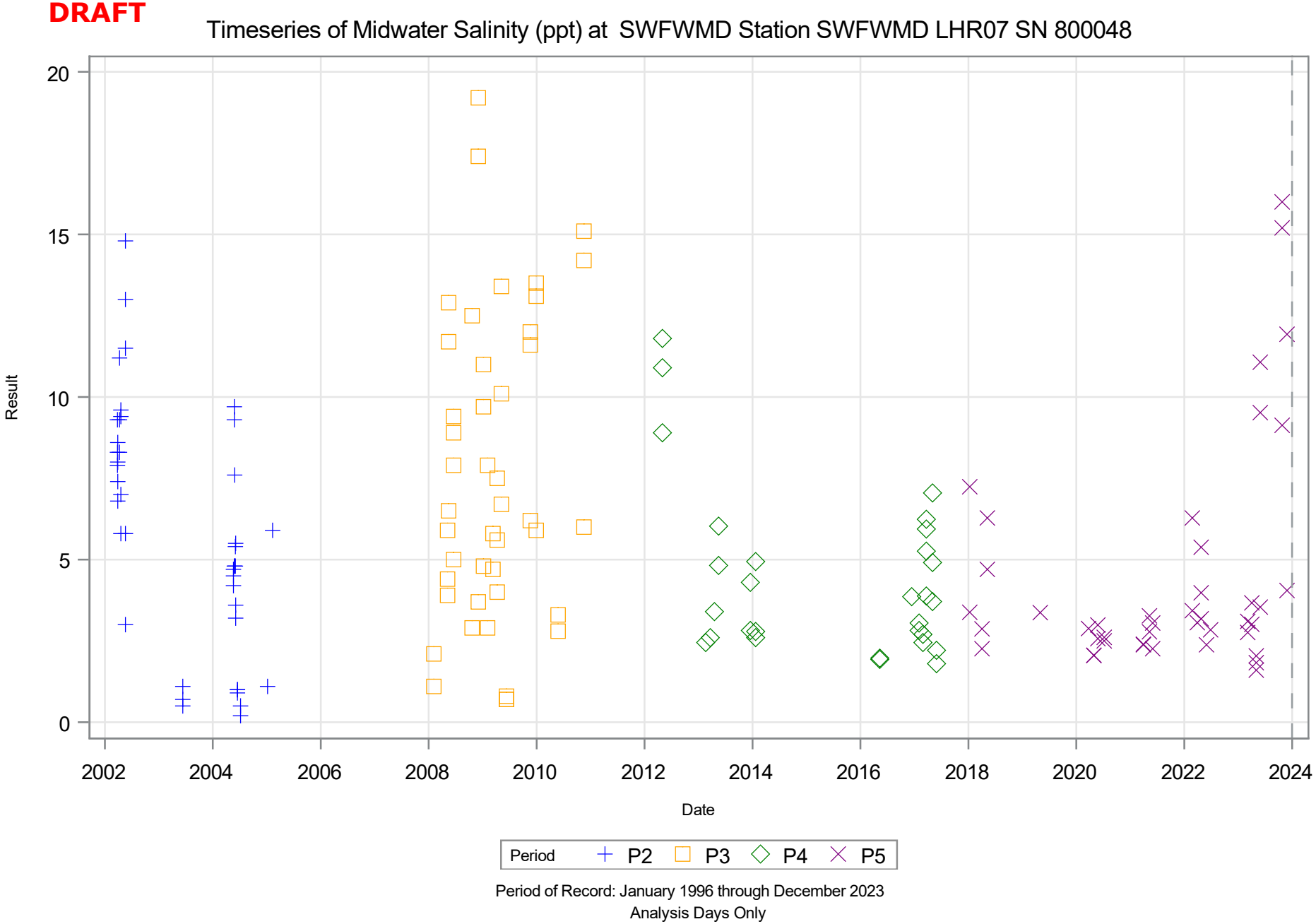
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	1.40	6.09	5.10	9.80	14.90
P3	16	0.80	9.05	10.81	12.50	13.45	19.30
P4	14	2.00	2.84	5.18	4.51	6.25	12.00
P5	22	2.11	2.94	5.94	3.73	7.83	17.69

Period of Record: January 1996 through December 2023
Analysis Days Only

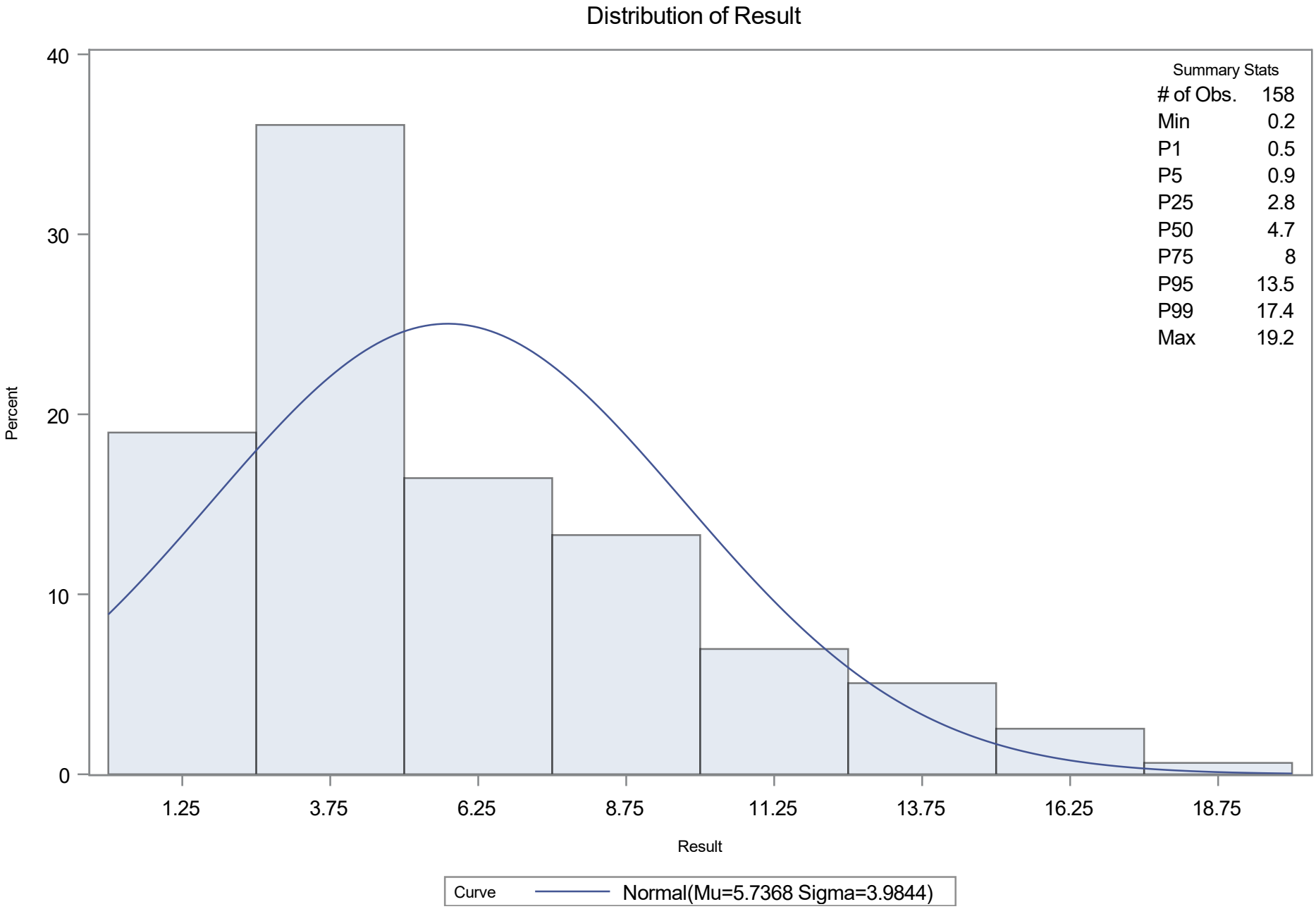
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
20
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.736772
Std Dev	Sigma	3.984365

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13031450	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.82046390	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.69734607	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.50000	-3.53225
5.0	0.90000	-0.81692
10.0	1.83000	0.63060
25.0	2.80000	3.04936
50.0	4.70000	5.73677
75.0	8.00000	8.42419
90.0	11.80000	10.84294
95.0	13.50000	12.29047
99.0	17.40000	15.00579

Period of Record: January 1996 through December 2023
Analysis Days Only

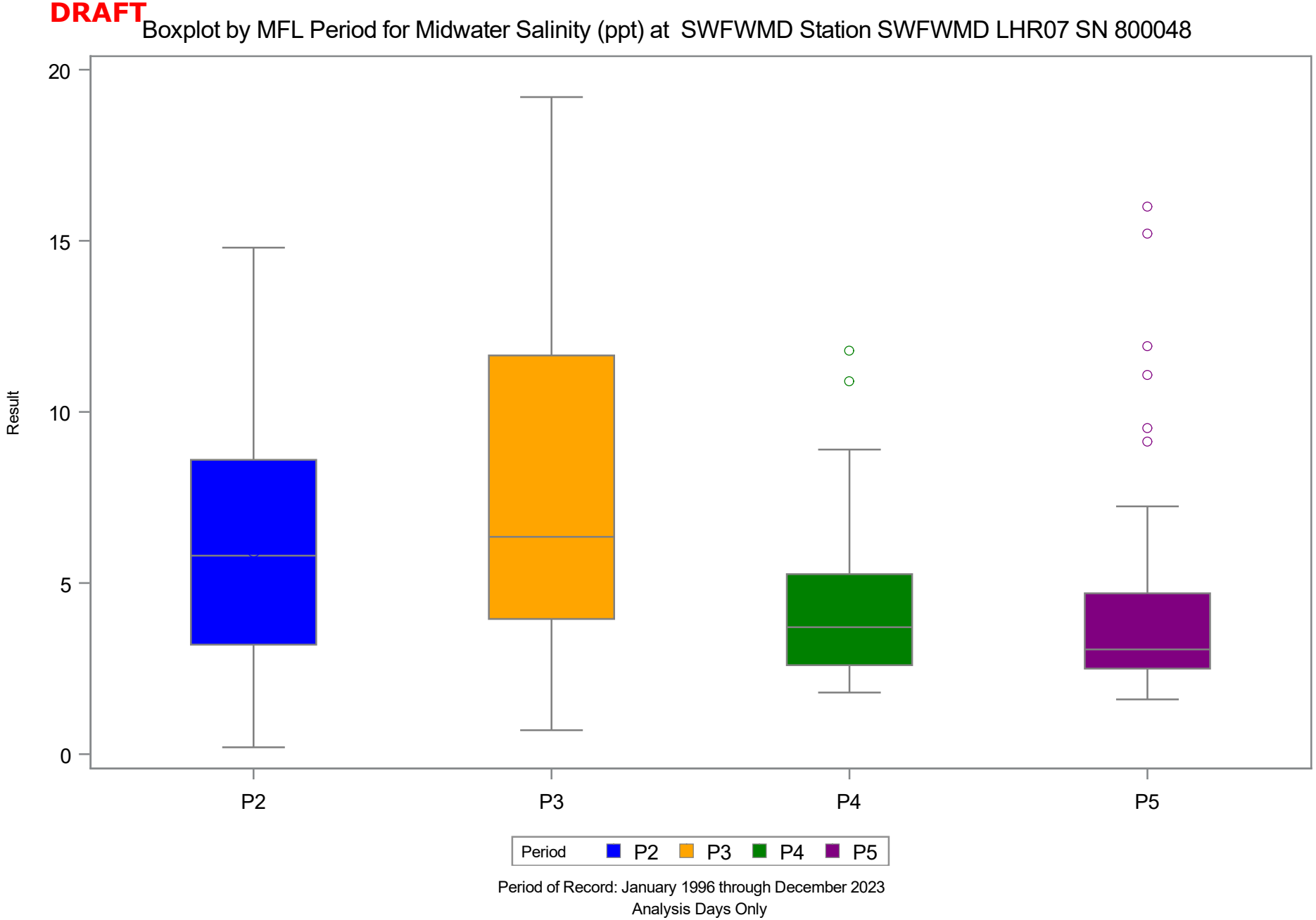
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048

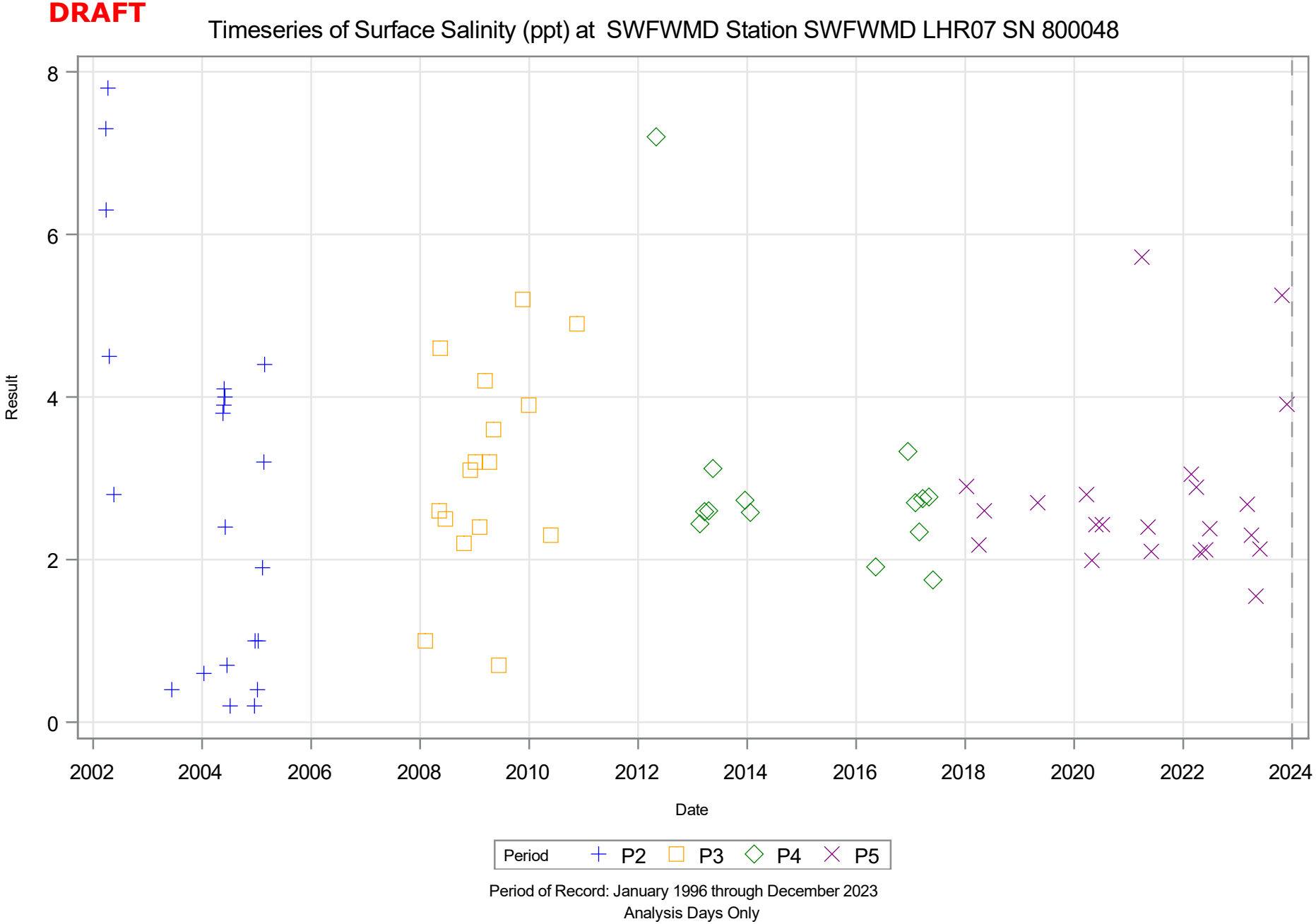
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	42	0.20	3.20	5.95	5.80	8.60	14.80
P3	44	0.70	3.95	7.62	6.35	11.65	19.20
P4	29	1.80	2.60	4.42	3.71	5.26	11.80
P5	43	1.60	2.50	4.49	3.06	4.70	16.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

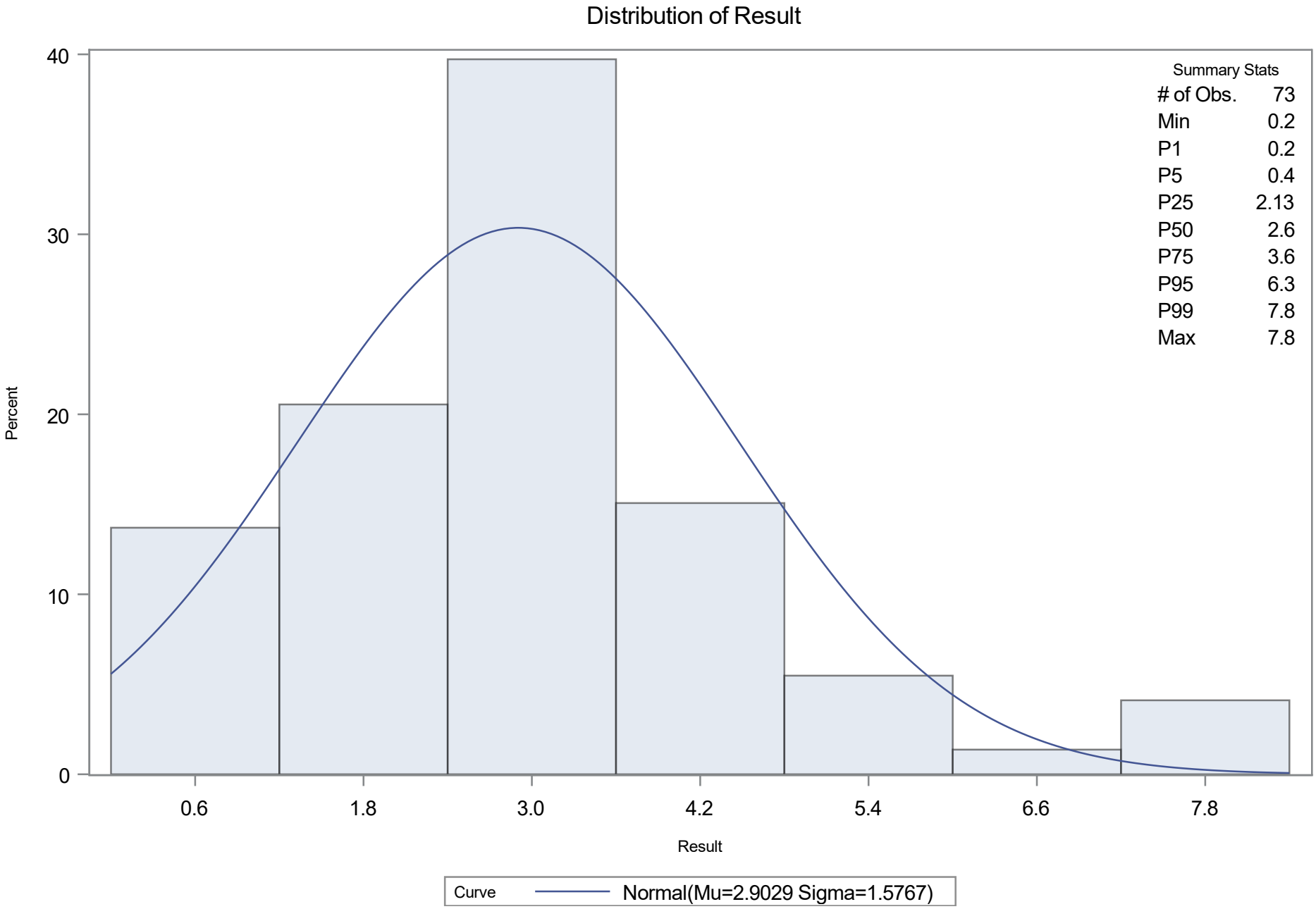

Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.902877
Std Dev	Sigma	1.576749

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15129310	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.34816236	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.84436614	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-0.76519
5.0	0.40000	0.30936
10.0	1.00000	0.88219
25.0	2.13000	1.83938
50.0	2.60000	2.90288
75.0	3.60000	3.96638
90.0	4.90000	4.92356
95.0	6.30000	5.49640
99.0	7.80000	6.57094

Period of Record: January 1996 through December 2023
Analysis Days Only

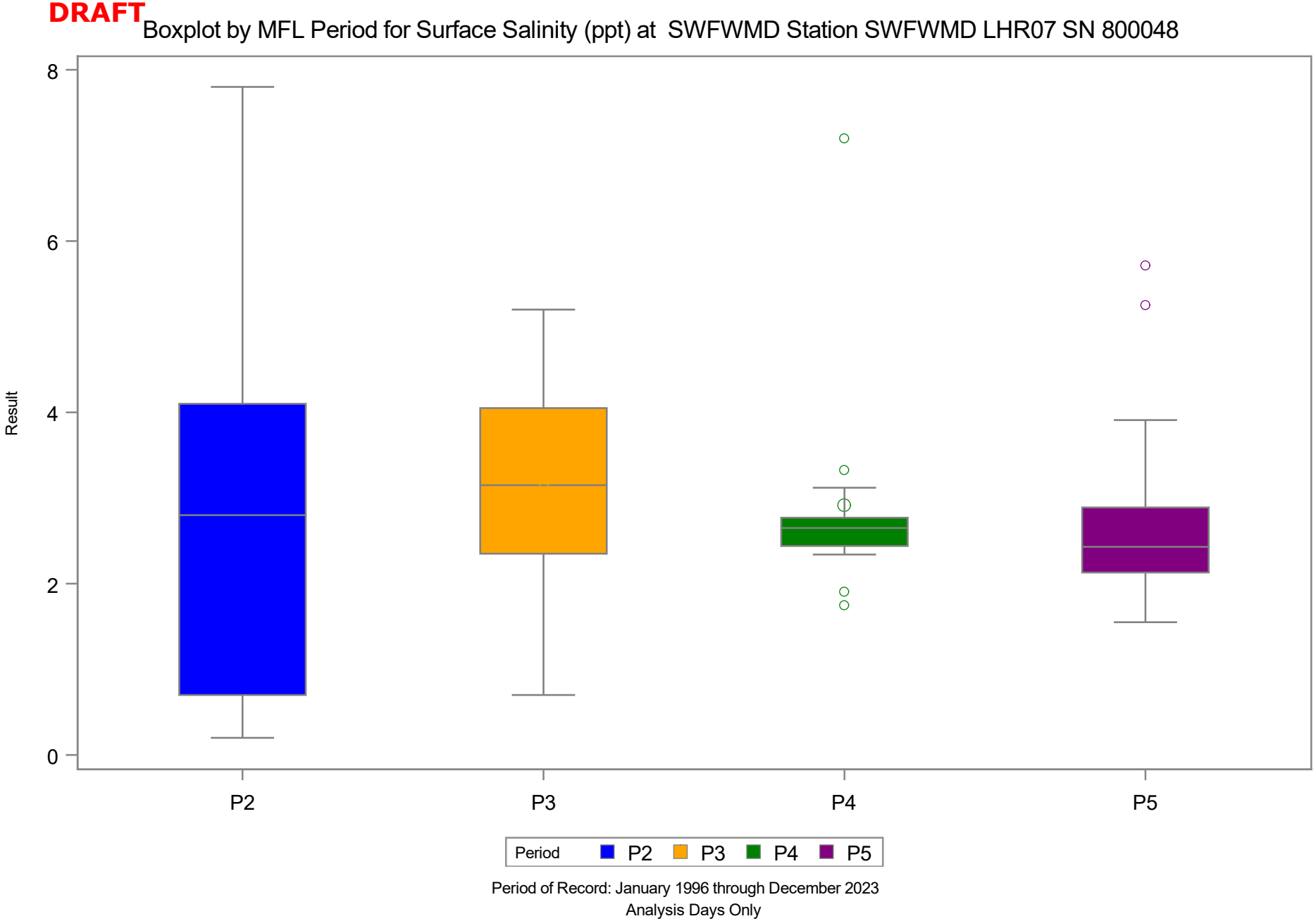
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048

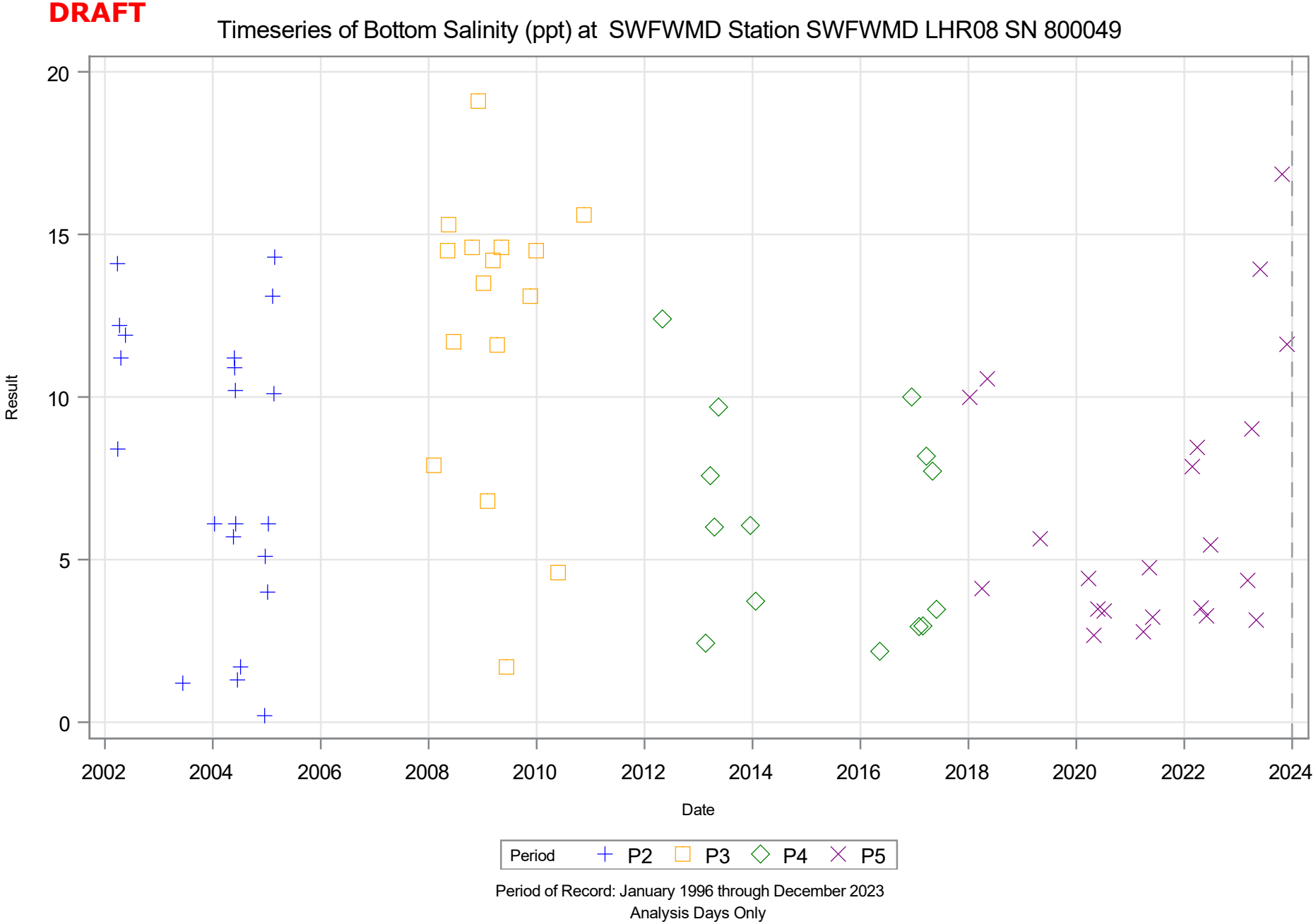
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	0.70	2.90	2.80	4.10	7.80
P3	16	0.70	2.35	3.10	3.15	4.05	5.20
P4	14	1.75	2.44	2.92	2.65	2.77	7.20
P5	22	1.55	2.13	2.75	2.43	2.89	5.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

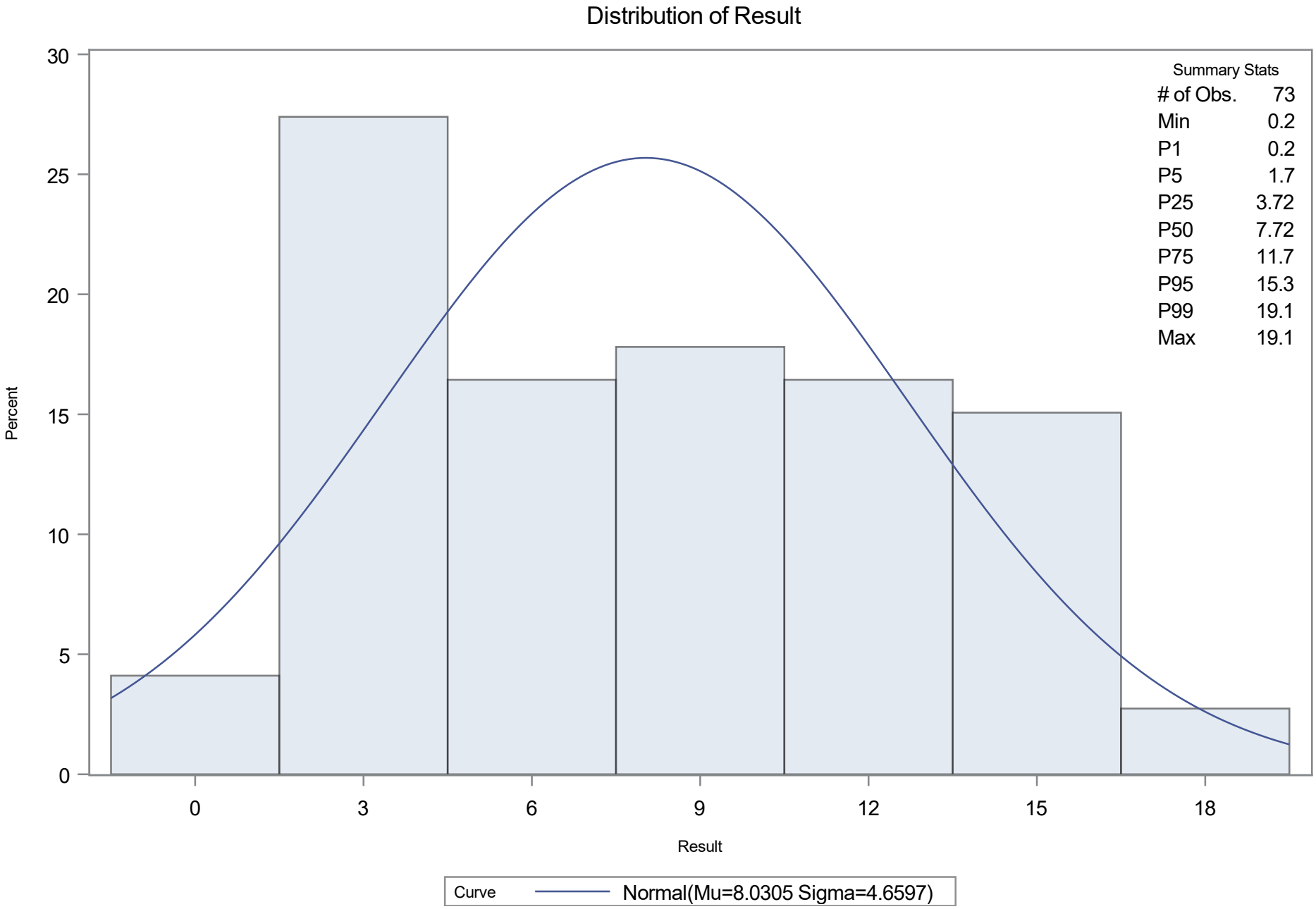

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.030548
Std Dev	Sigma	4.659712

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12642853	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.20482653	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.25600148	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-2.80956
5.0	1.70000	0.36600
10.0	2.67000	2.05889
25.0	3.72000	4.88762
50.0	7.72000	8.03055
75.0	11.70000	11.17348
90.0	14.50000	14.00221
95.0	15.30000	15.69509
99.0	19.10000	18.87066

Period of Record: January 1996 through December 2023
Analysis Days Only

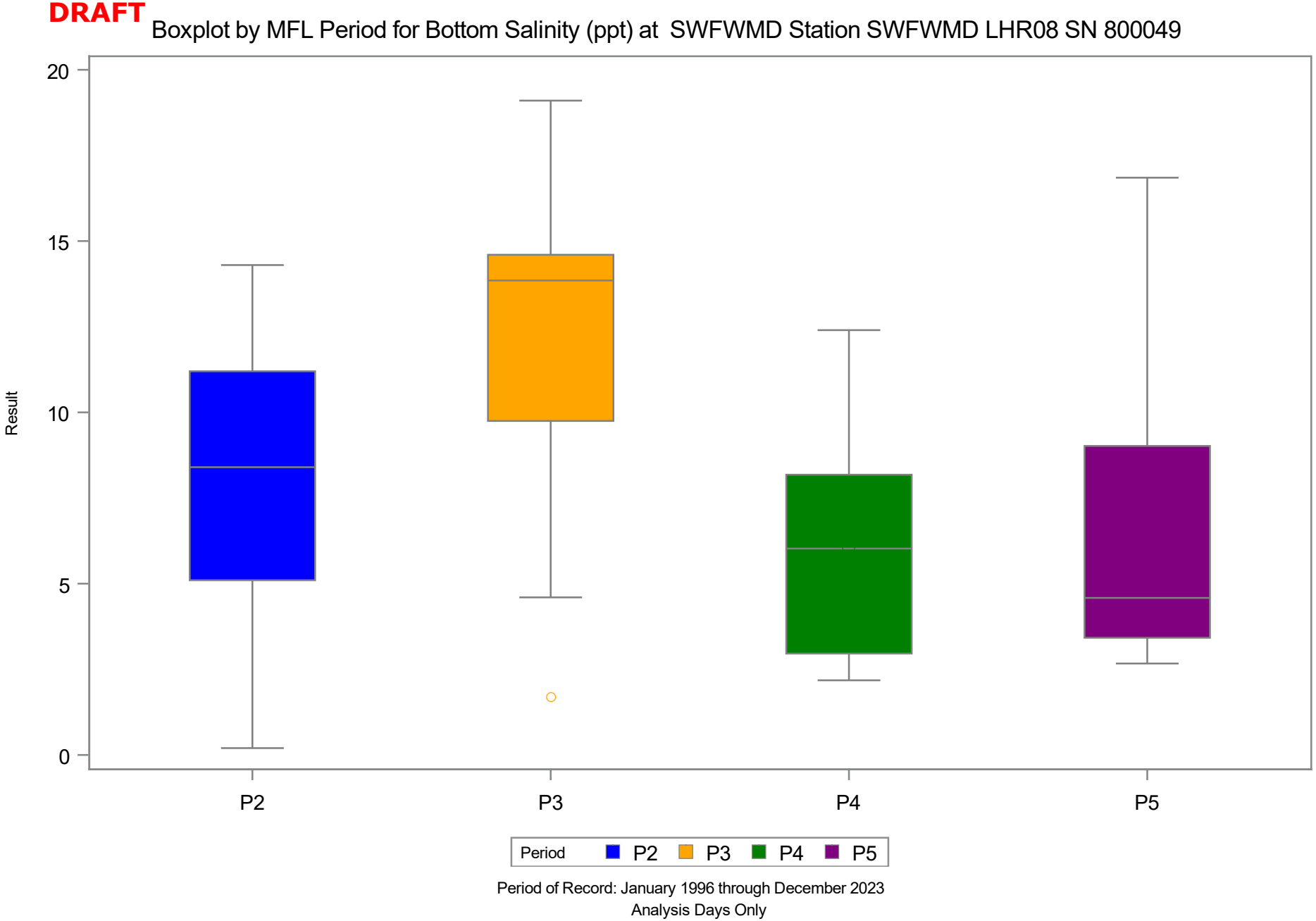
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049

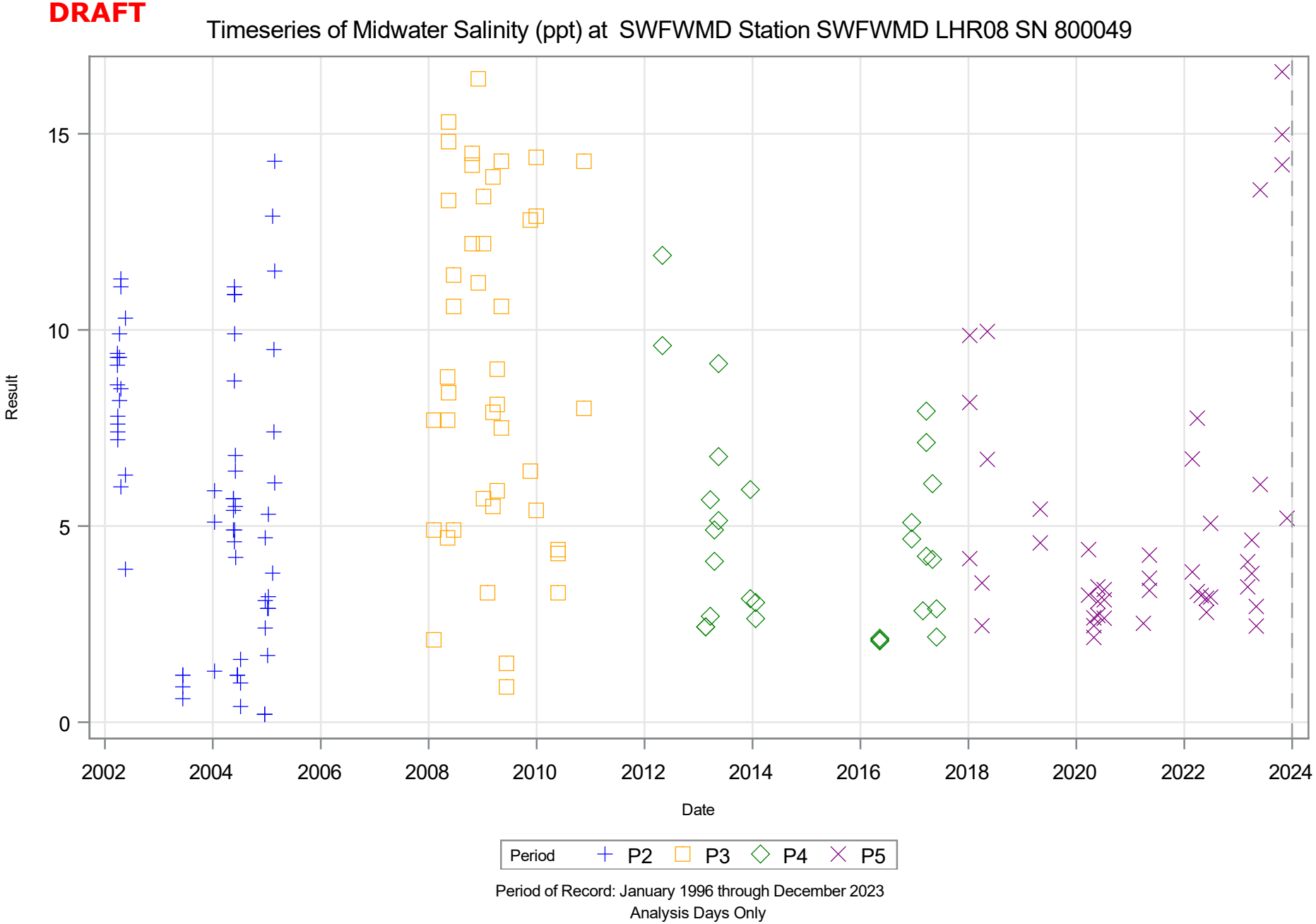
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	5.10	7.86	8.40	11.20	14.30
P3	16	1.70	9.75	12.08	13.85	14.60	19.10
P4	14	2.18	2.96	6.09	6.03	8.18	12.40
P5	22	2.67	3.42	6.48	4.59	9.02	16.85

Period of Record: January 1996 through December 2023
Analysis Days Only

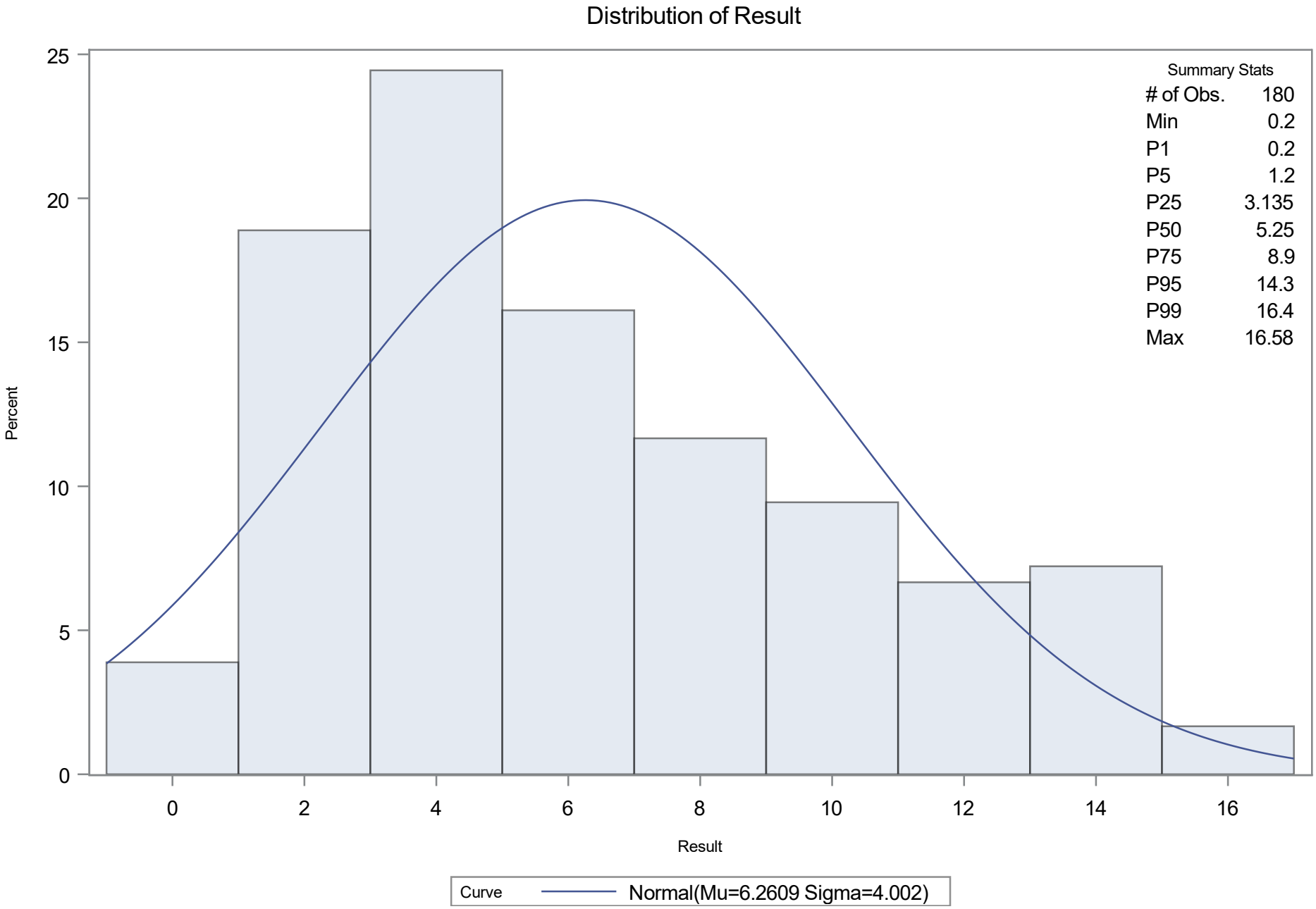
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
0
5
10
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.260889
Std Dev	Sigma	4.002049

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11128498	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.61012235	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.69402130	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-3.04927
5.0	1.20000	-0.32190
10.0	2.08500	1.13206
25.0	3.13500	3.56155
50.0	5.25000	6.26089
75.0	8.90000	8.96023
90.0	12.85000	11.38972
95.0	14.30000	12.84367
99.0	16.40000	15.57105

Period of Record: January 1996 through December 2023
Analysis Days Only

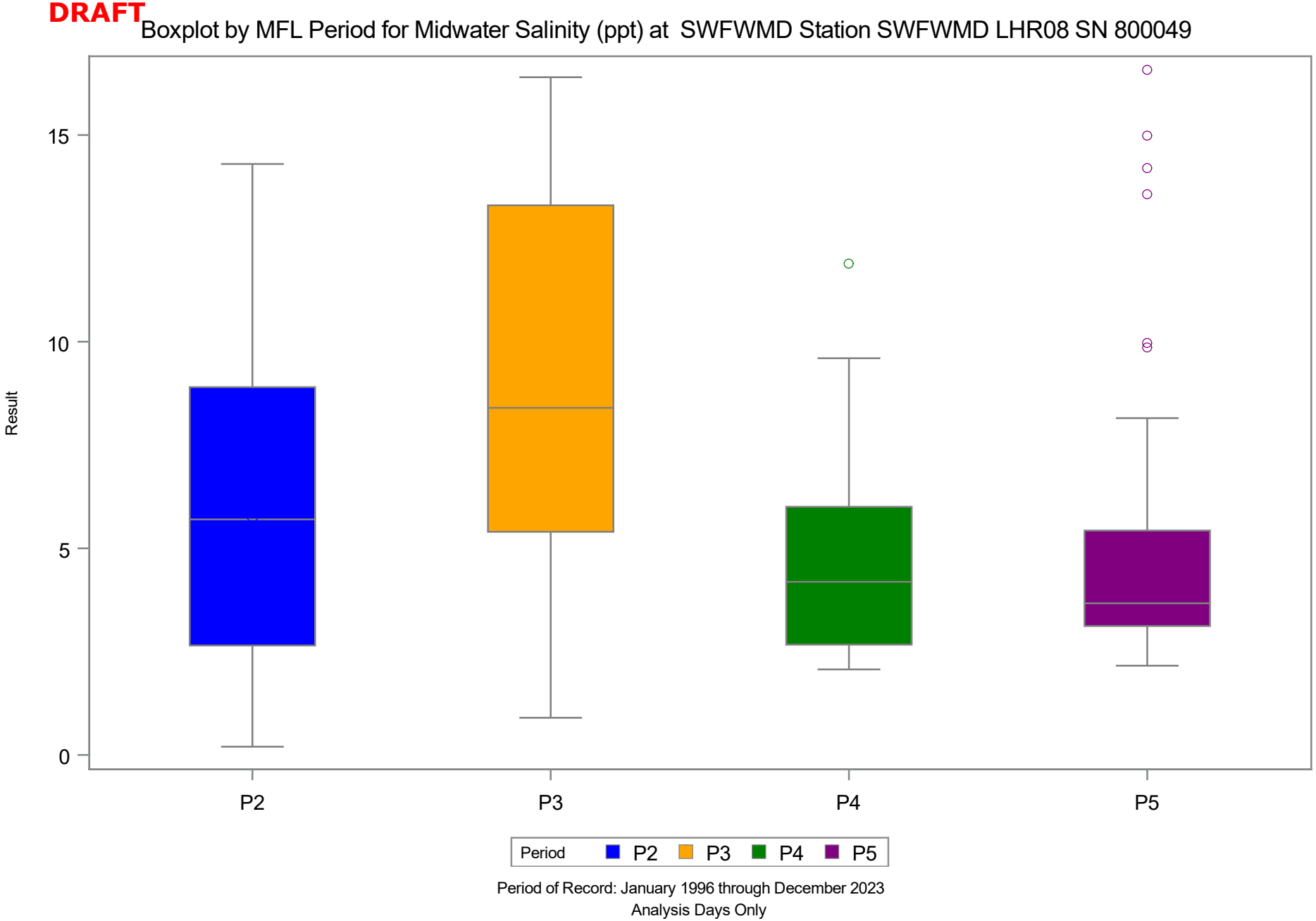
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049

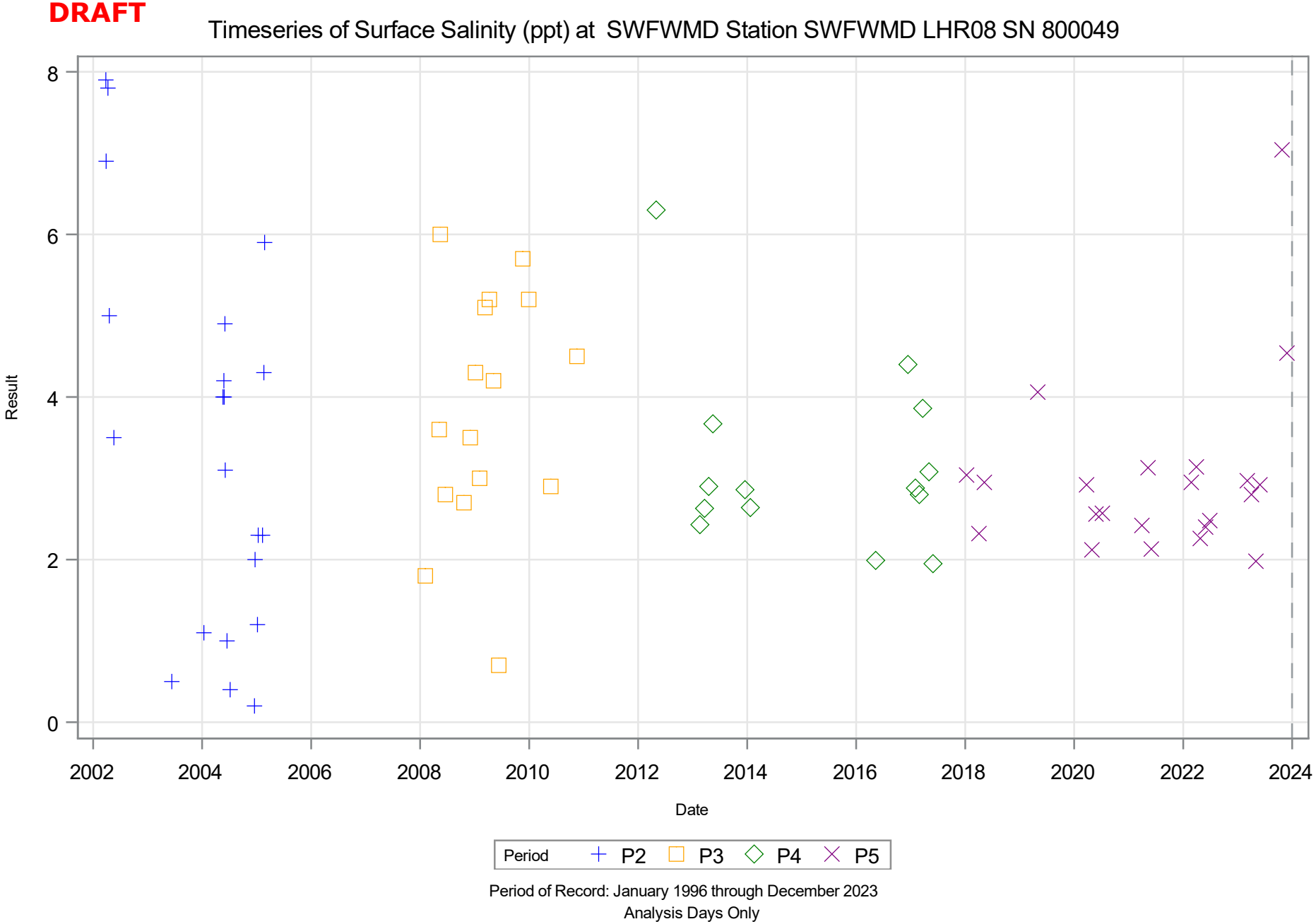
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	64	0.20	2.65	5.81	5.70	8.90	14.30
P3	43	0.90	5.40	9.05	8.40	13.30	16.40
P4	28	2.07	2.67	4.75	4.19	6.01	11.90
P5	45	2.16	3.12	5.18	3.67	5.43	16.58

Period of Record: January 1996 through December 2023
Analysis Days Only

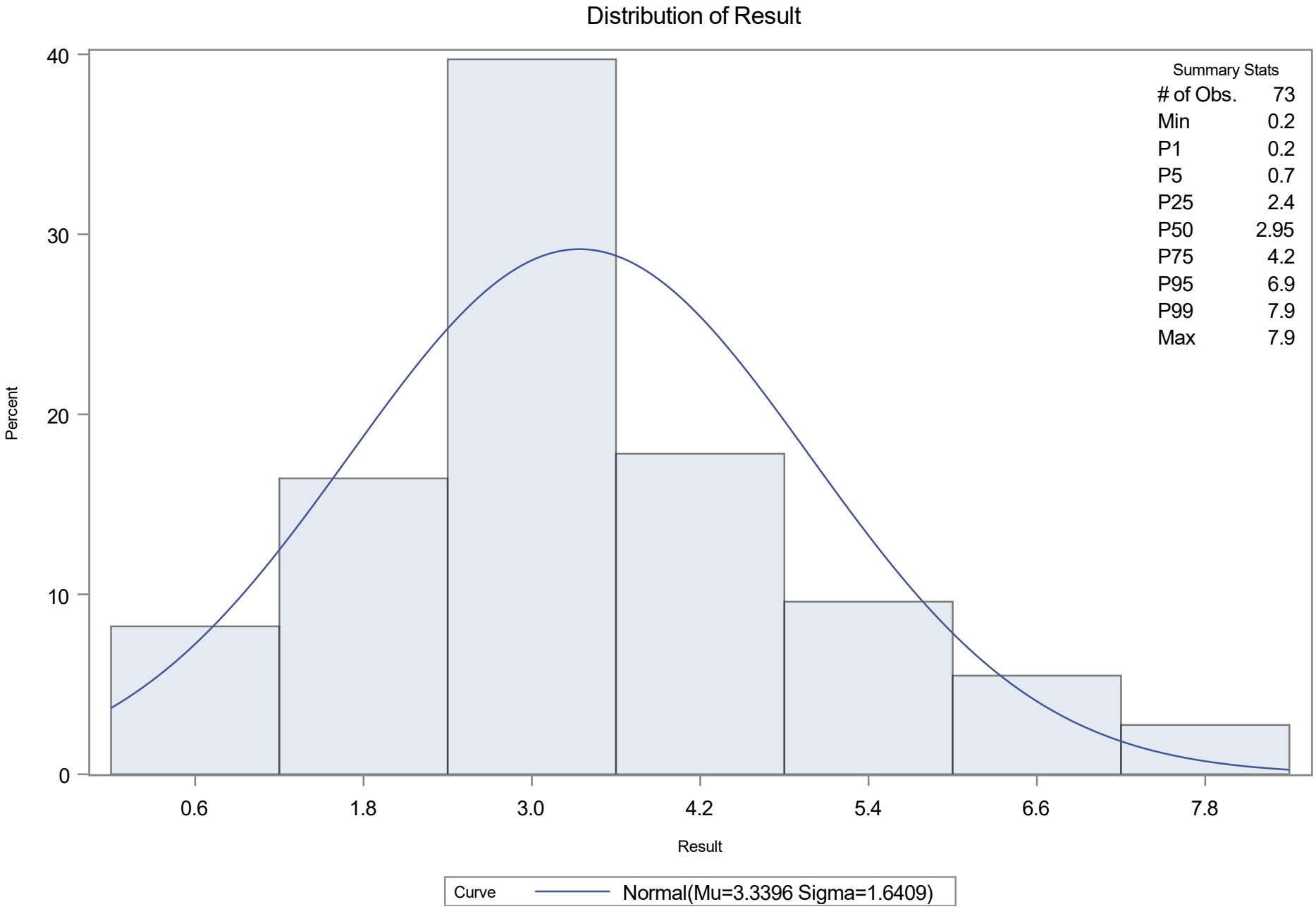
DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
0
2
4
6
8
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.339589
Std Dev	Sigma	1.640863

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16484495	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27301678	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.42003290	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-0.47763
5.0	0.70000	0.64061
10.0	1.80000	1.23674
25.0	2.40000	2.23284
50.0	2.95000	3.33959
75.0	4.20000	4.44633
90.0	5.70000	5.44244
95.0	6.90000	6.03857
99.0	7.90000	7.15681

Period of Record: January 1996 through December 2023
Analysis Days Only

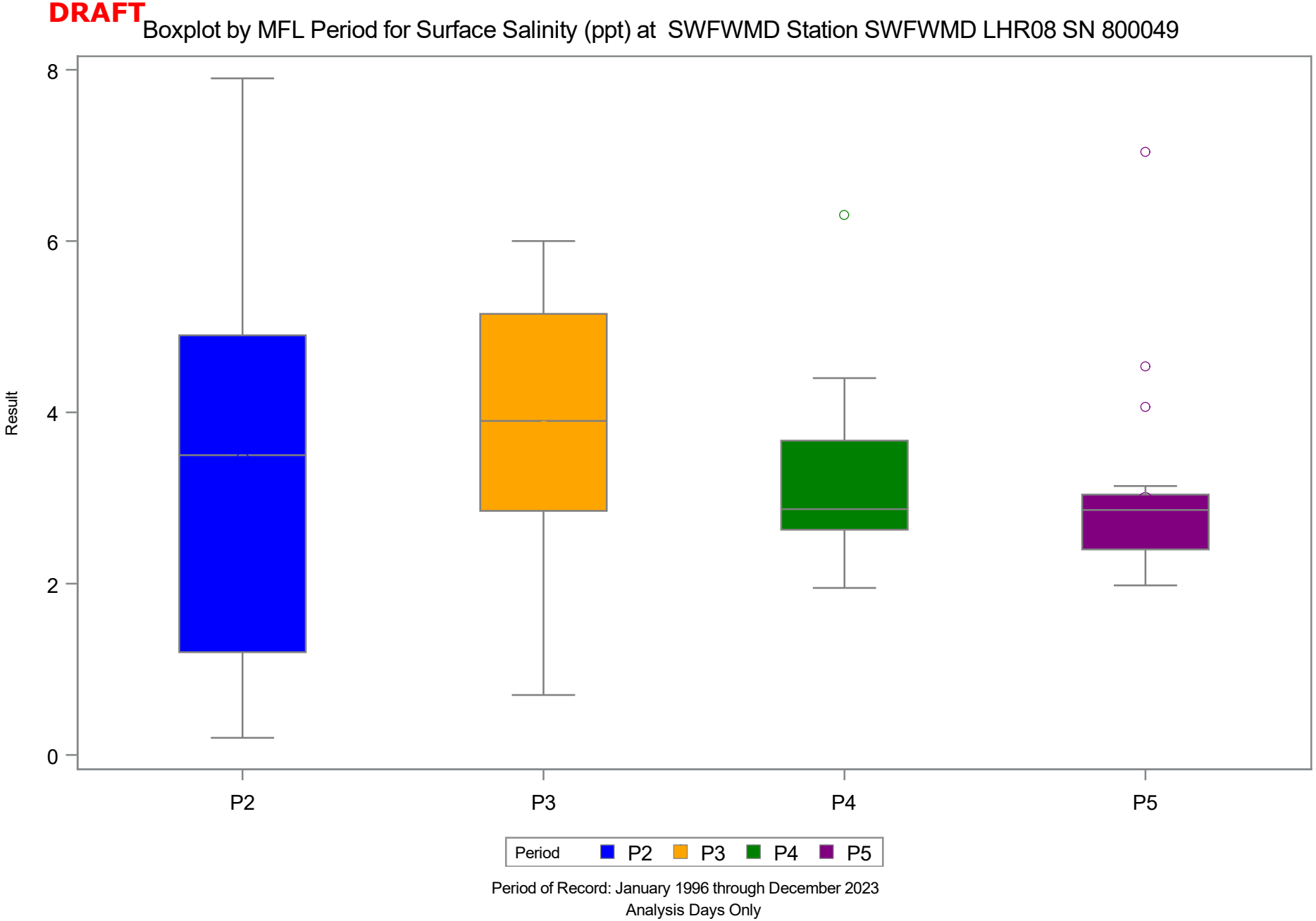
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049

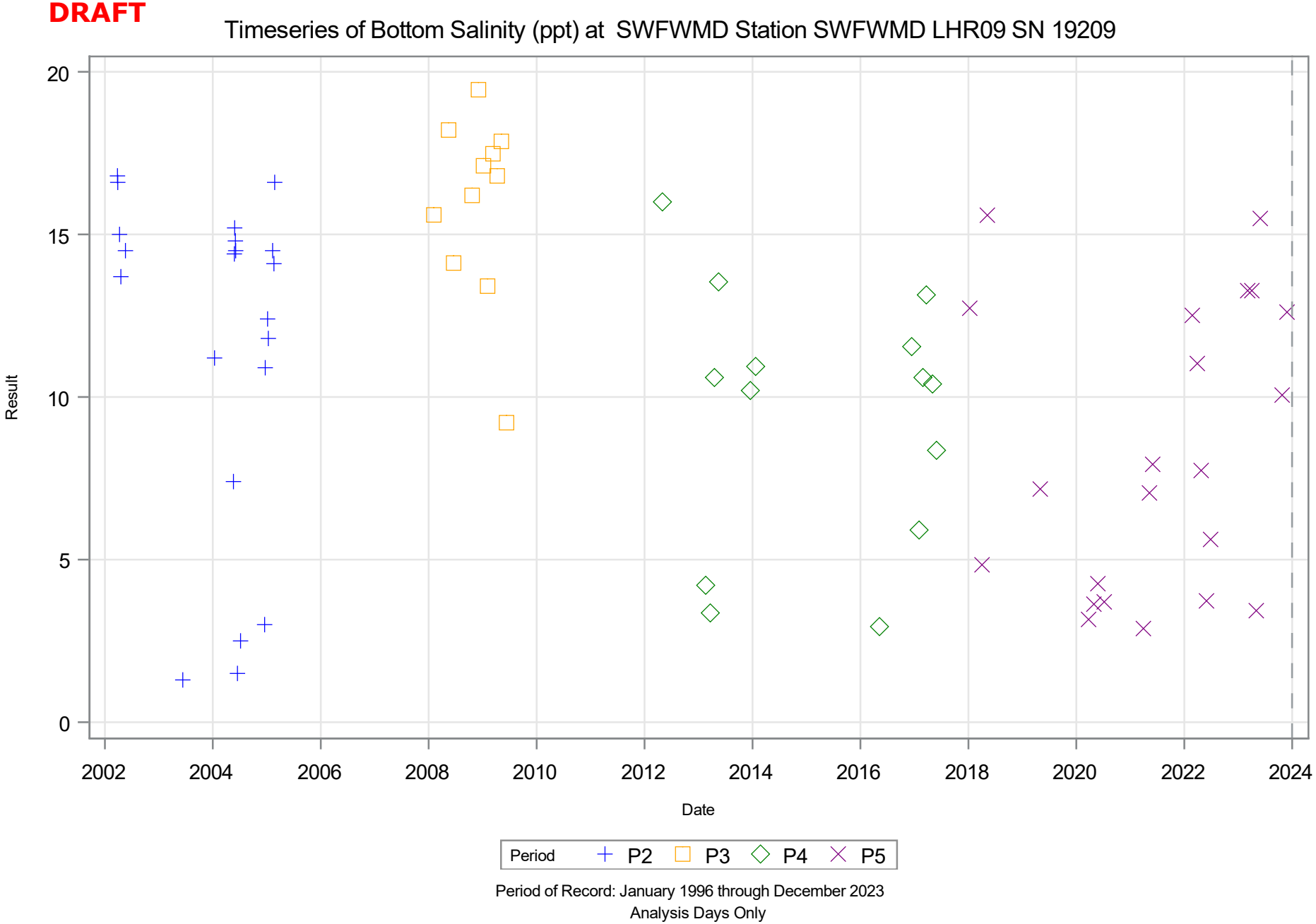
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	1.20	3.45	3.50	4.90	7.90
P3	16	0.70	2.85	3.83	3.90	5.15	6.00
P4	14	1.95	2.63	3.17	2.87	3.67	6.30
P5	22	1.98	2.40	2.99	2.86	3.04	7.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

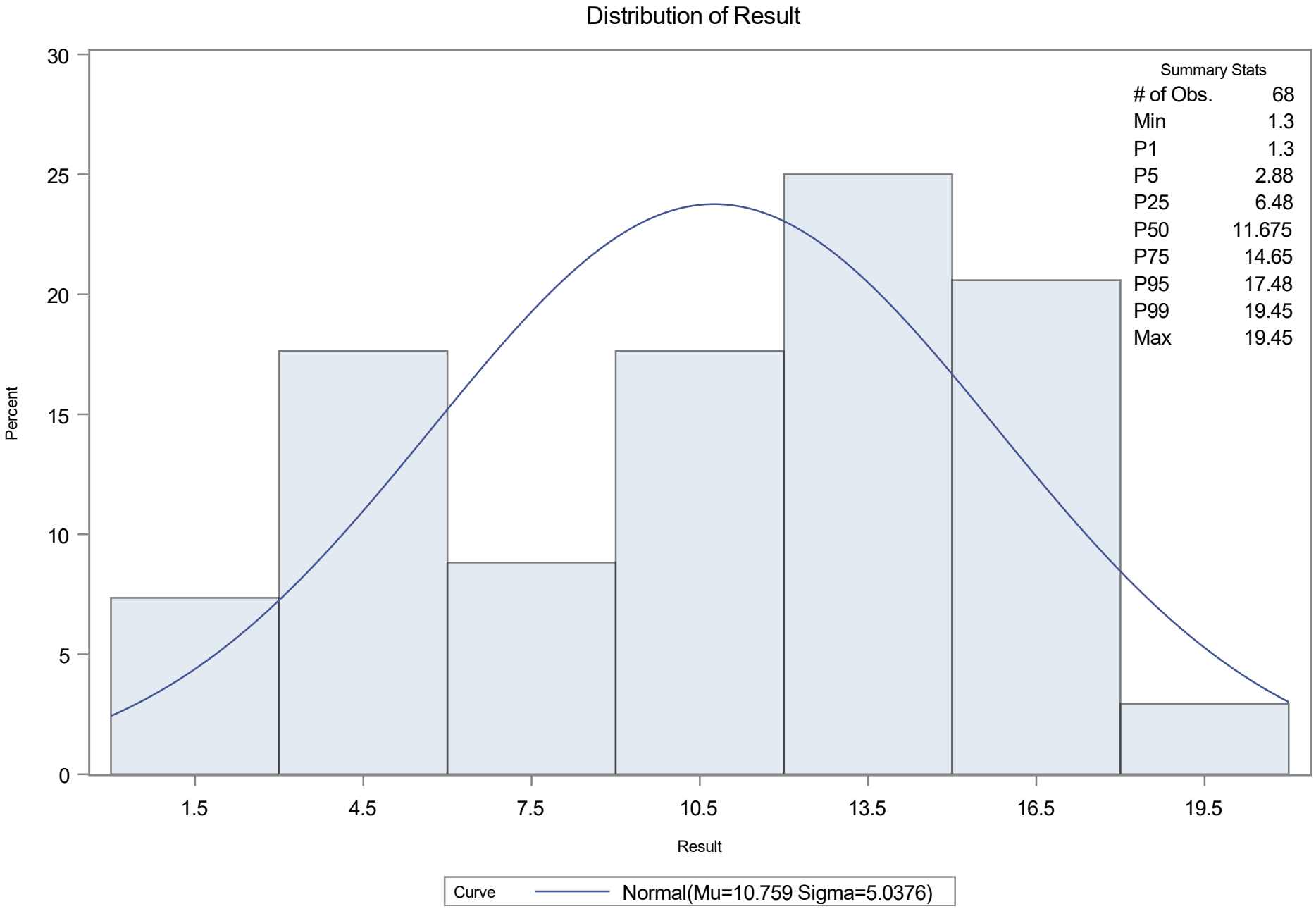

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
20
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10.75882
Std Dev	Sigma	5.037638

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11299983	**Pr > D**	0.030
Cramer-von Mises	**W-Sq**	0.23843506	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.52462886	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.30000	-0.96047
5.0	2.88000	2.47265
10.0	3.16000	4.30283
25.0	6.48000	7.36099
50.0	11.67500	10.75882
75.0	14.65000	14.15666
90.0	16.80000	17.21482
95.0	17.48000	19.04500
99.0	19.45000	22.47812

Period of Record: January 1996 through December 2023
Analysis Days Only

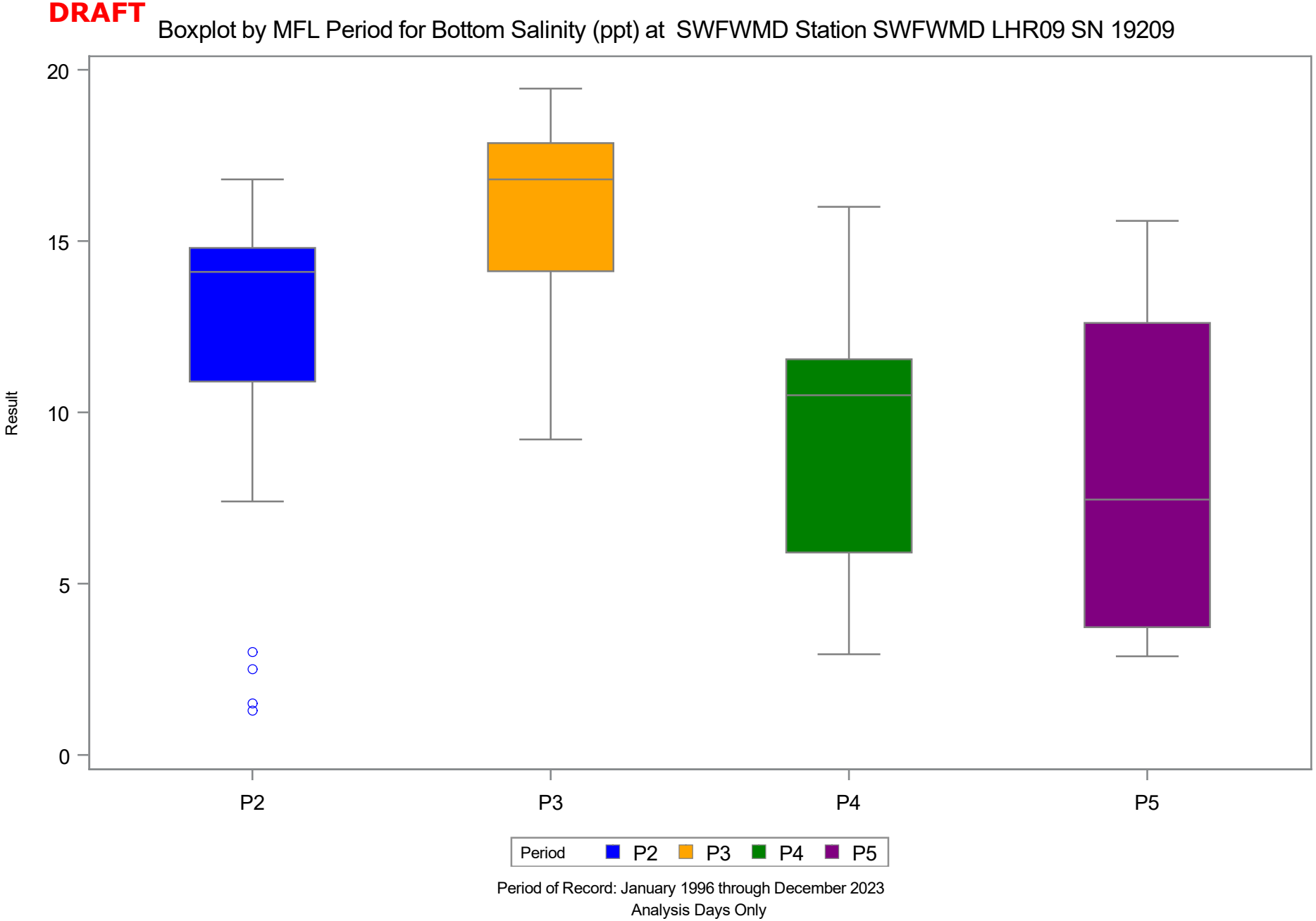
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209

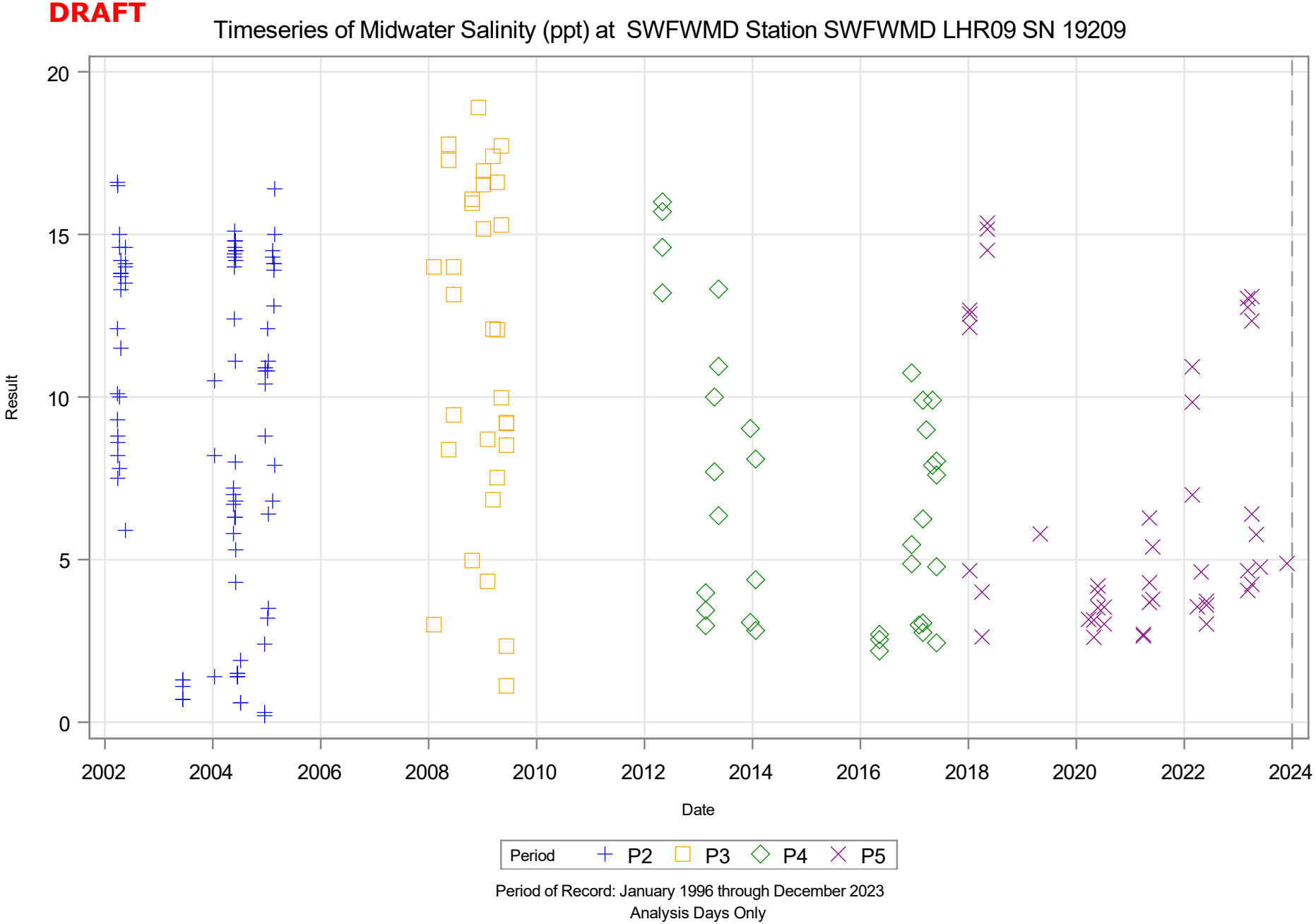
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.30	10.90	11.56	14.10	14.80	16.80
P3	11	9.21	14.12	15.95	16.80	17.86	19.45
P4	14	2.94	5.91	9.41	10.50	11.55	16.00
P5	22	2.88	3.73	8.26	7.46	12.61	15.59

Period of Record: January 1996 through December 2023
Analysis Days Only

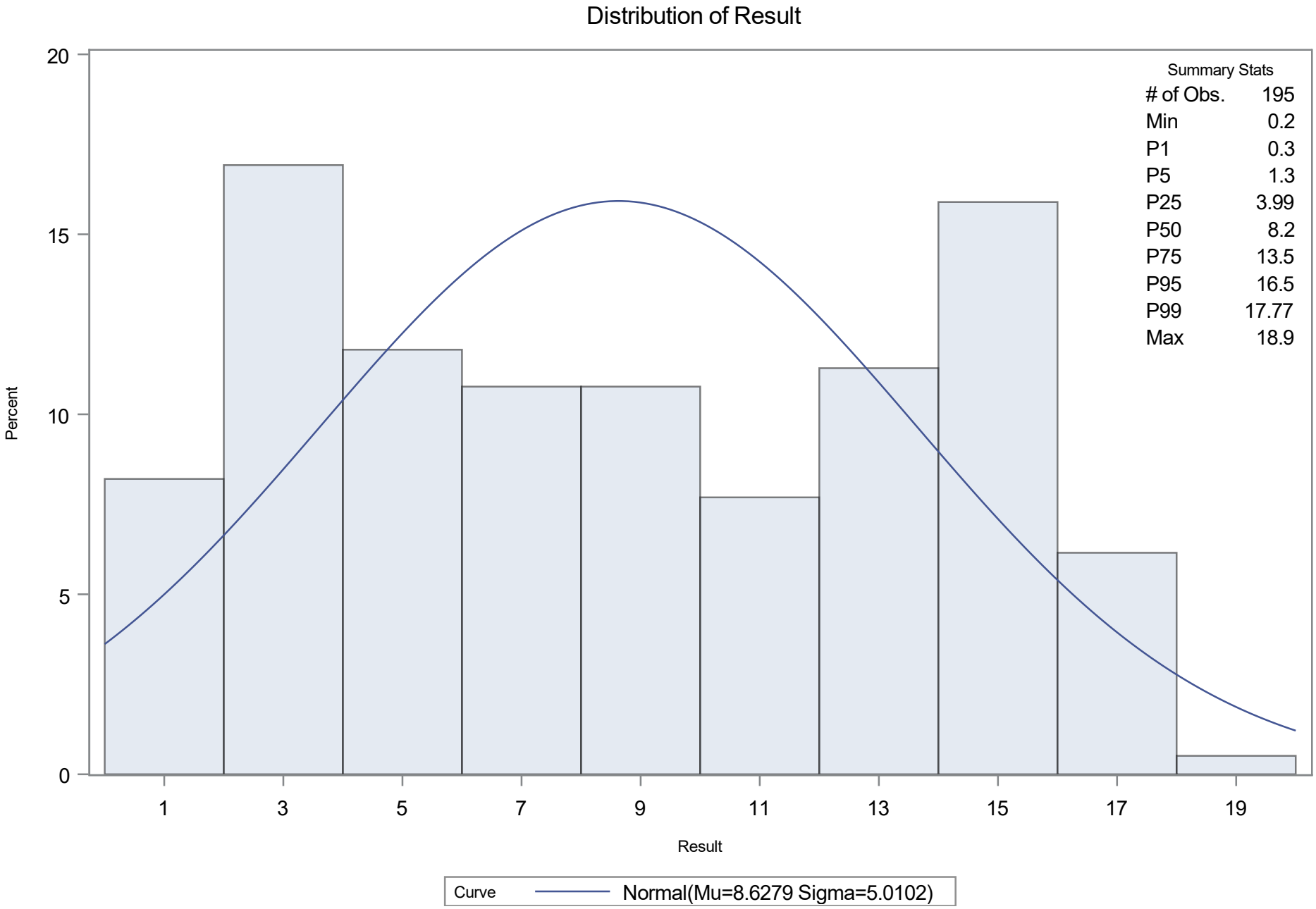
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
20
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.627897
Std Dev	Sigma	5.010236

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10098954	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.53556274	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.45915436	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-3.02765
5.0	1.30000	0.38679
10.0	2.44000	2.20702
25.0	3.99000	5.24854
50.0	8.20000	8.62790
75.0	13.50000	12.00725
90.0	15.10000	15.04877
95.0	16.50000	16.86900
99.0	17.77000	20.28345

Period of Record: January 1996 through December 2023
Analysis Days Only

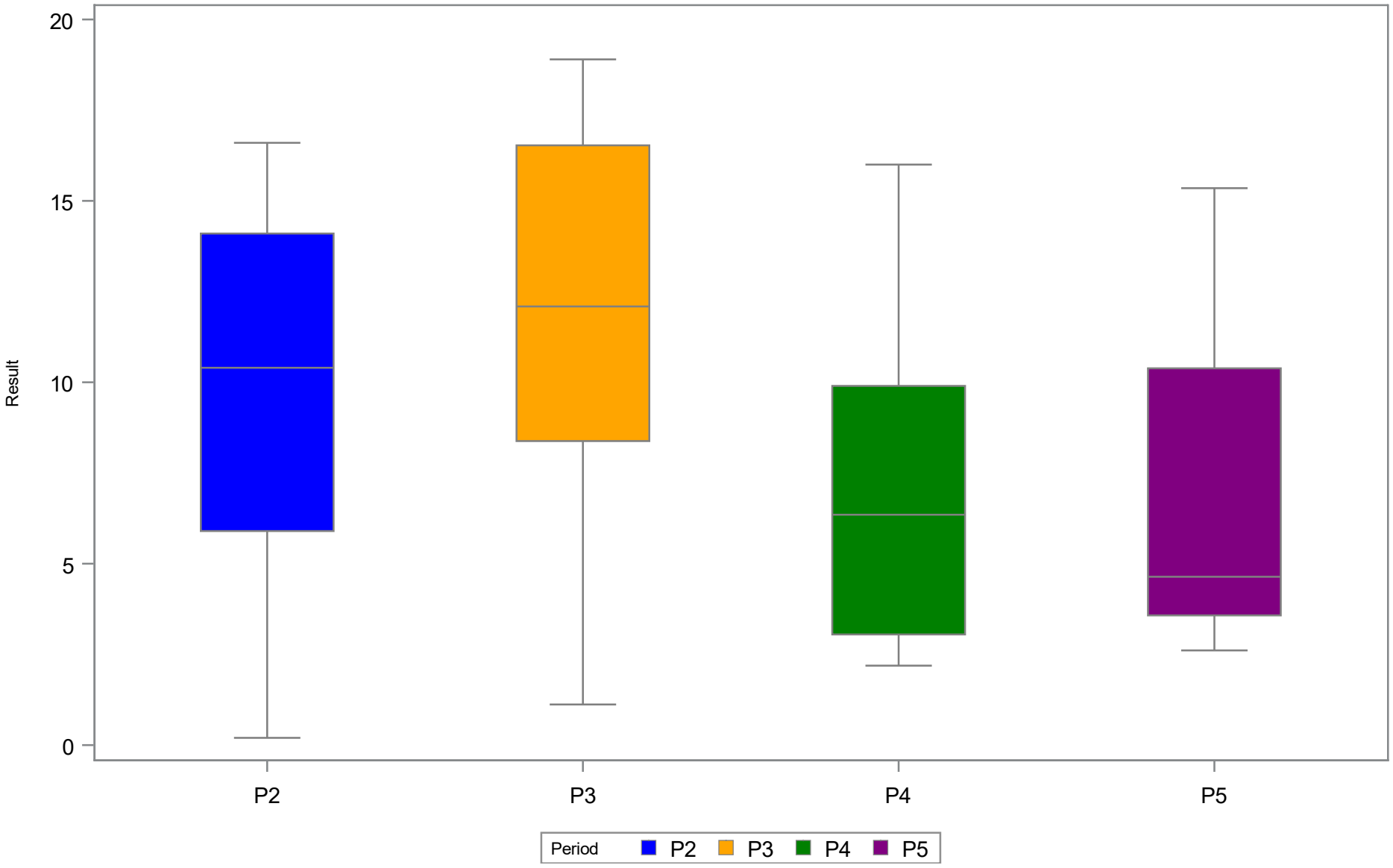
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	85	0.20	5.90	9.24	10.40	14.10	16.60
P3	31	1.12	8.38	11.63	12.09	16.53	18.90
P4	35	2.19	3.05	7.11	6.35	9.90	16.00
P5	44	2.61	3.58	6.54	4.64	10.39	15.35

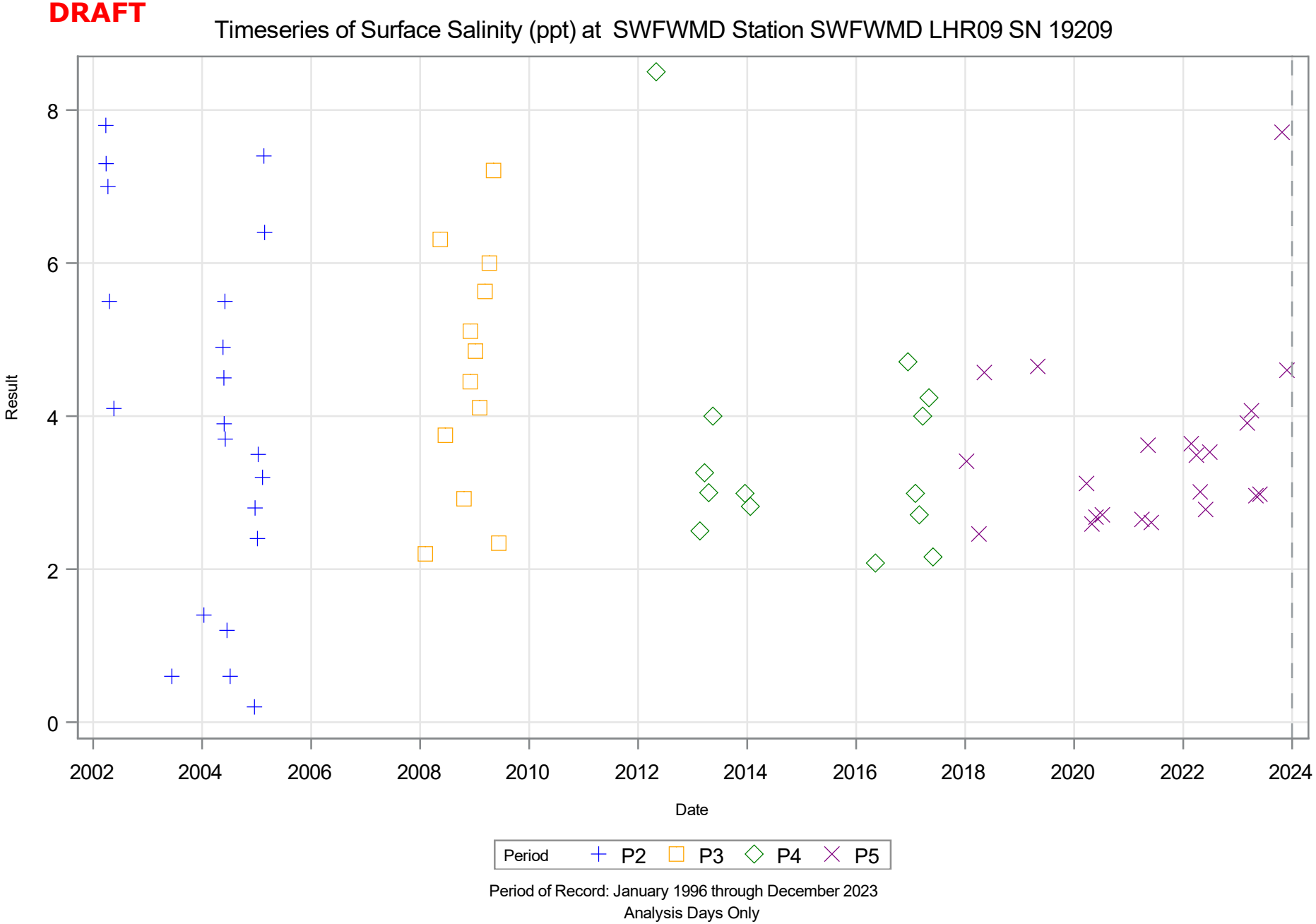
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

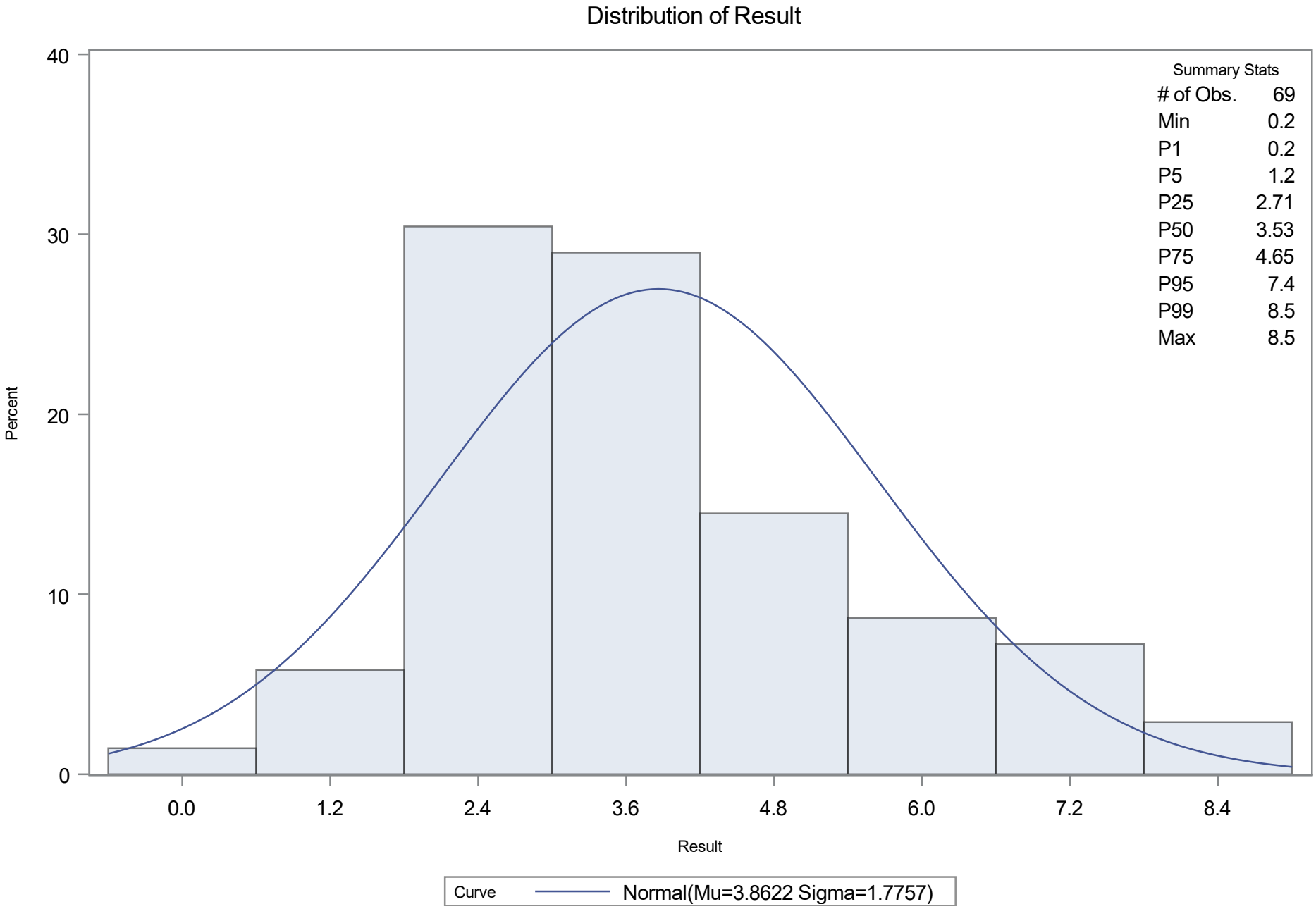
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.862174
Std Dev	Sigma	1.775658

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11116710	**Pr > D**	0.034
Cramer-von Mises	**W-Sq**	0.22534281	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.32008188	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20000	-0.26862
5.0	1.20000	0.94148
10.0	2.16000	1.58658
25.0	2.71000	2.66451
50.0	3.53000	3.86217
75.0	4.65000	5.05984
90.0	7.00000	6.13777
95.0	7.40000	6.78287
99.0	8.50000	7.99297

Period of Record: January 1996 through December 2023
Analysis Days Only

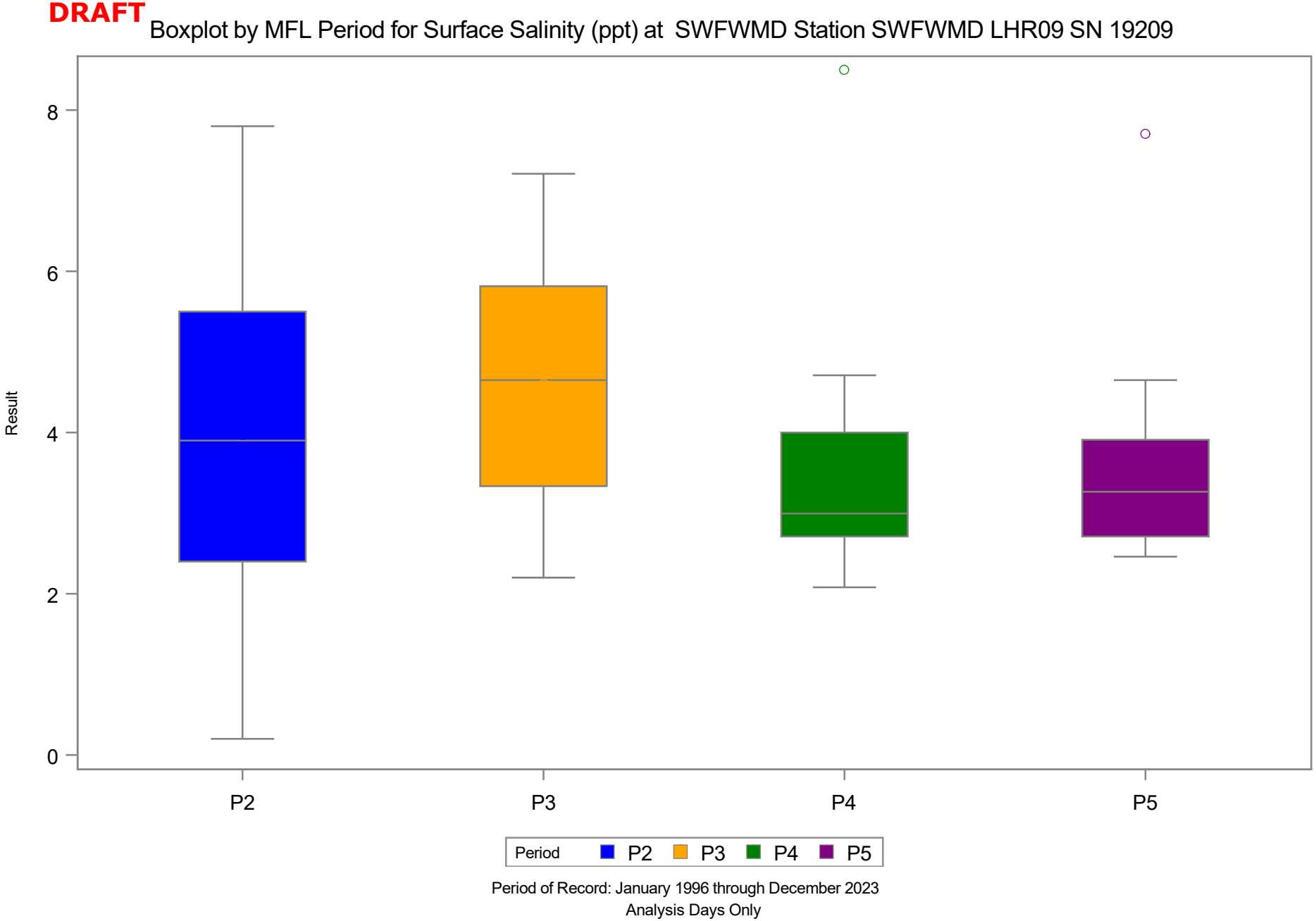
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209

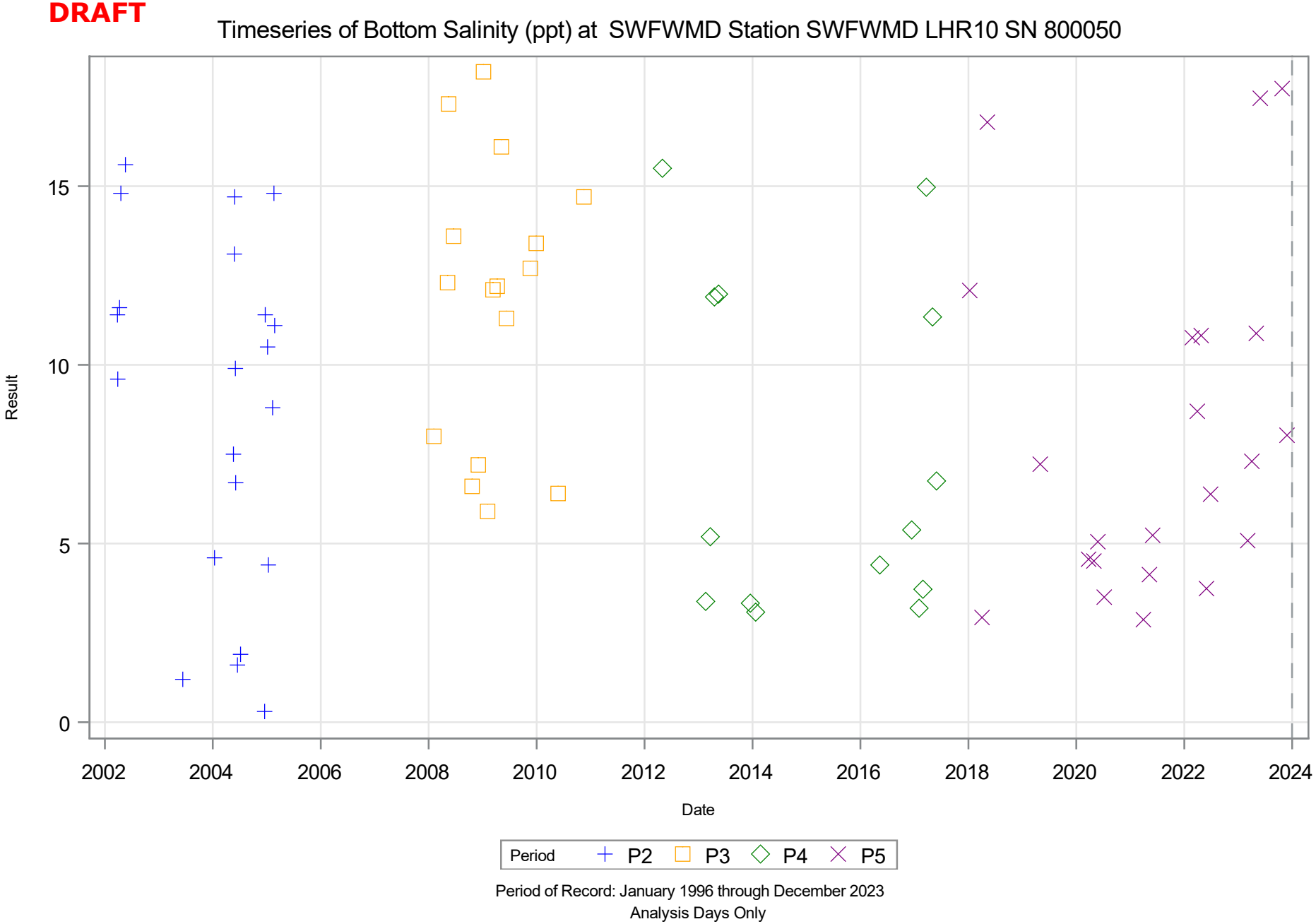
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.20	2.40	4.00	3.90	5.50	7.80
P3	12	2.20	3.34	4.57	4.65	5.82	7.21
P4	14	2.08	2.71	3.57	3.00	4.00	8.50
P5	22	2.46	2.71	3.53	3.27	3.91	7.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

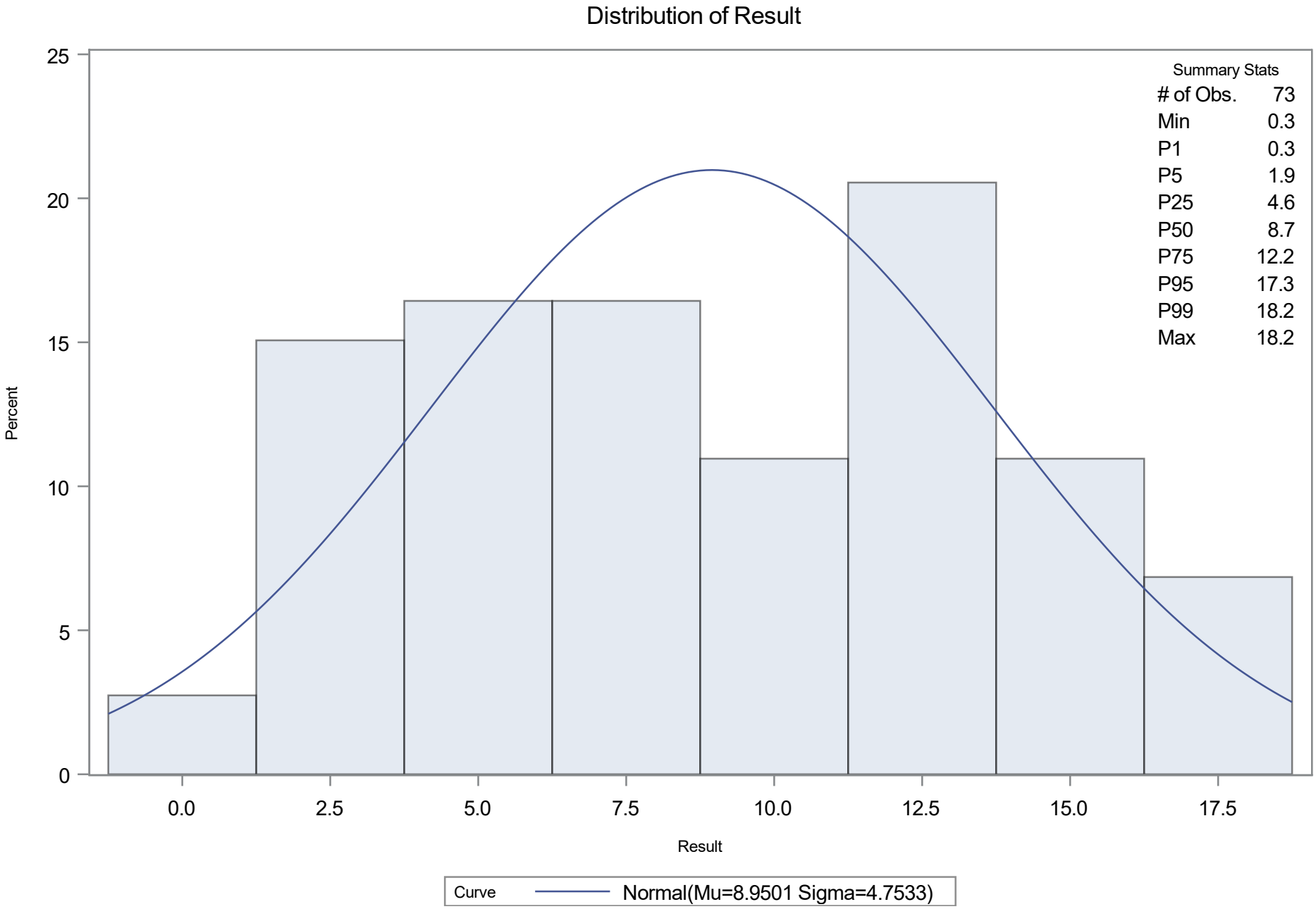

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
0
5
10
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.950137
Std Dev	Sigma	4.753343

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10246462	**Pr > D**	0.057
Cramer-von Mises	**W-Sq**	0.16877711	**Pr > W-Sq**	0.014
Anderson-Darling	**A-Sq**	0.98349303	**Pr > A-Sq**	0.014

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-2.10779
5.0	1.90000	1.13158
10.0	3.19000	2.85848
25.0	4.60000	5.74406
50.0	8.70000	8.95014
75.0	12.20000	12.15622
90.0	15.50000	15.04179
95.0	17.30000	16.76869
99.0	18.20000	20.00807

Period of Record: January 1996 through December 2023
Analysis Days Only

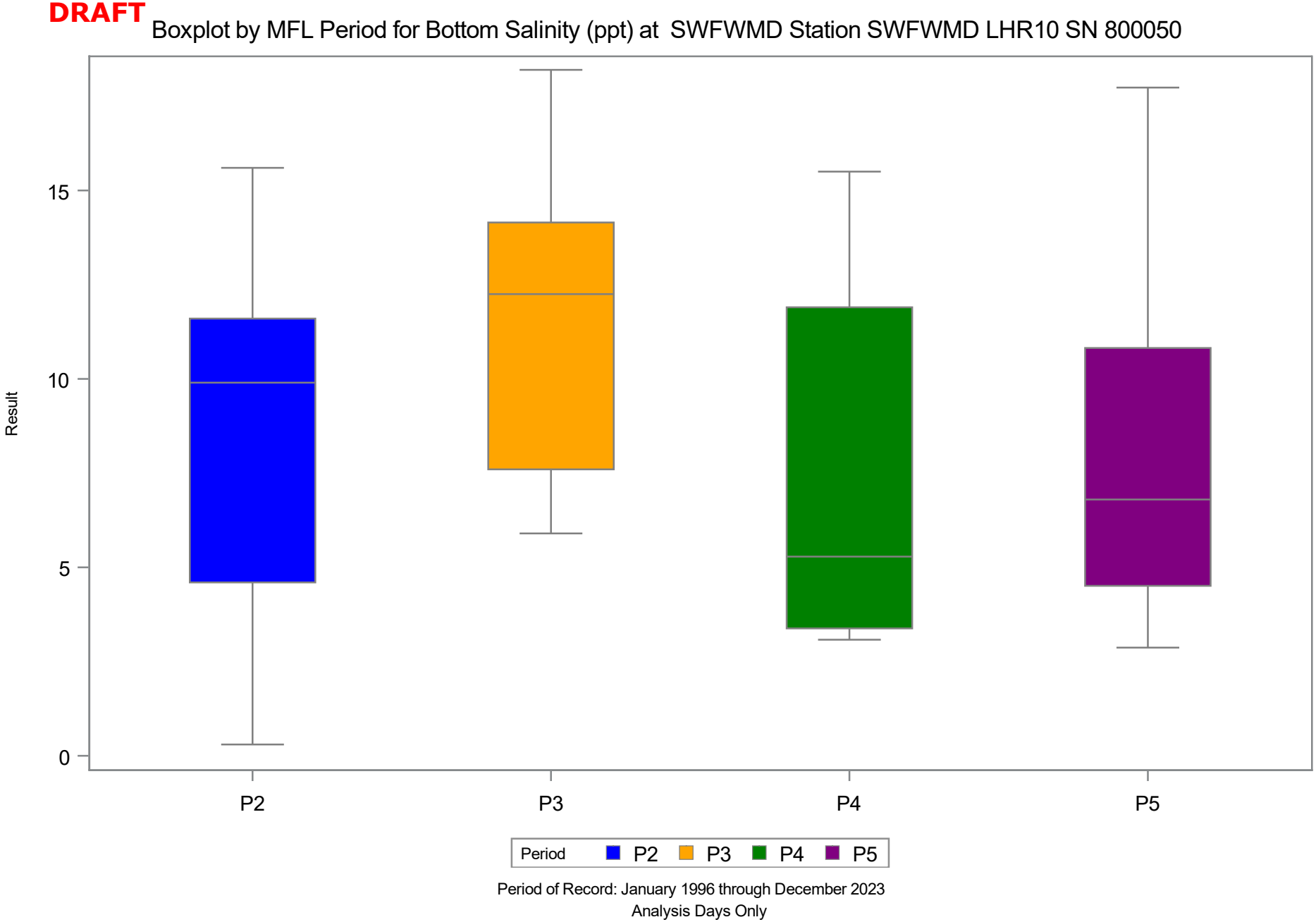
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050

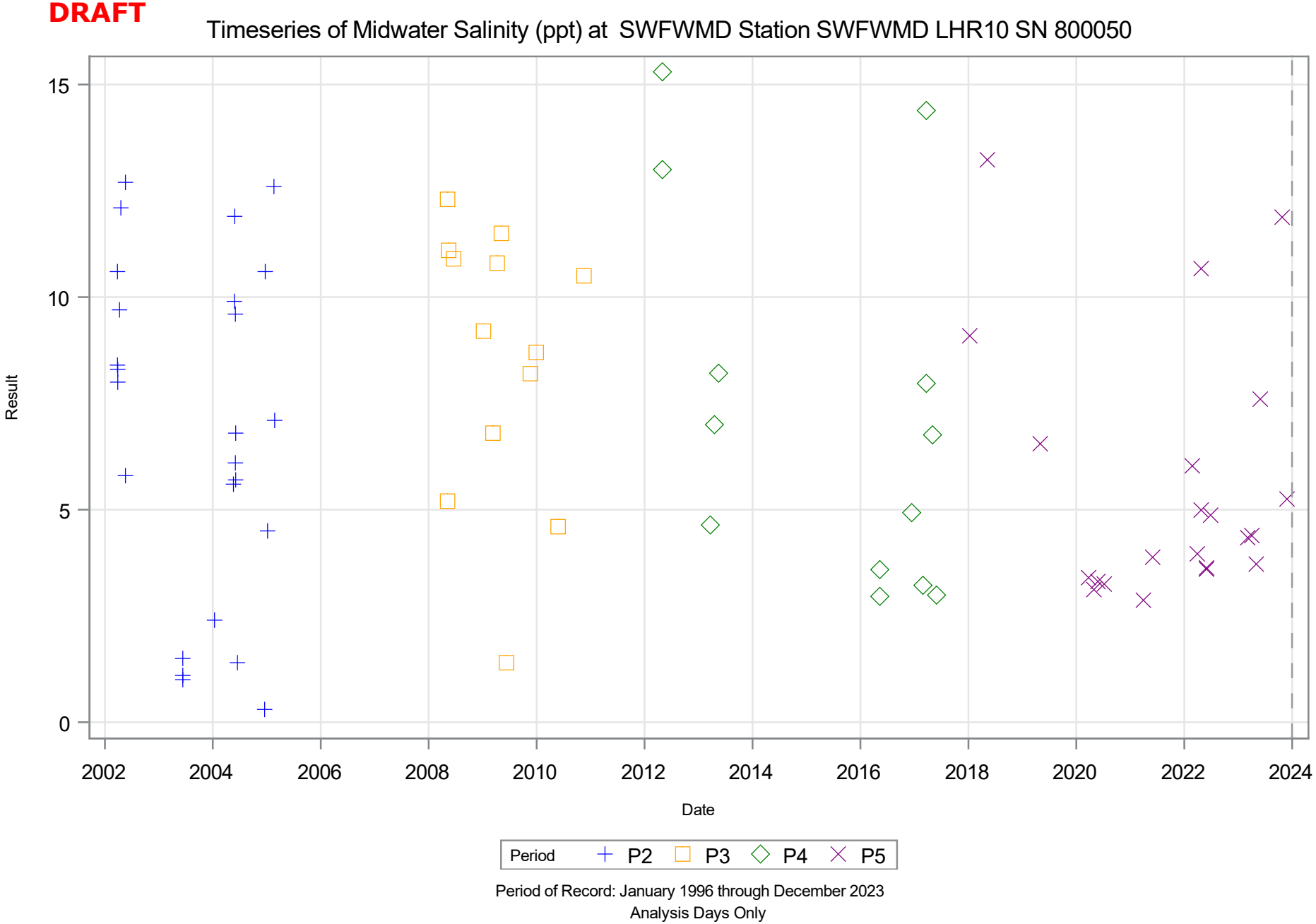
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.30	4.60	8.83	9.90	11.60	15.60
P3	16	5.90	7.60	11.75	12.25	14.15	18.20
P4	14	3.08	3.38	7.44	5.29	11.90	15.50
P5	22	2.87	4.51	7.99	6.80	10.82	17.73

Period of Record: January 1996 through December 2023
Analysis Days Only

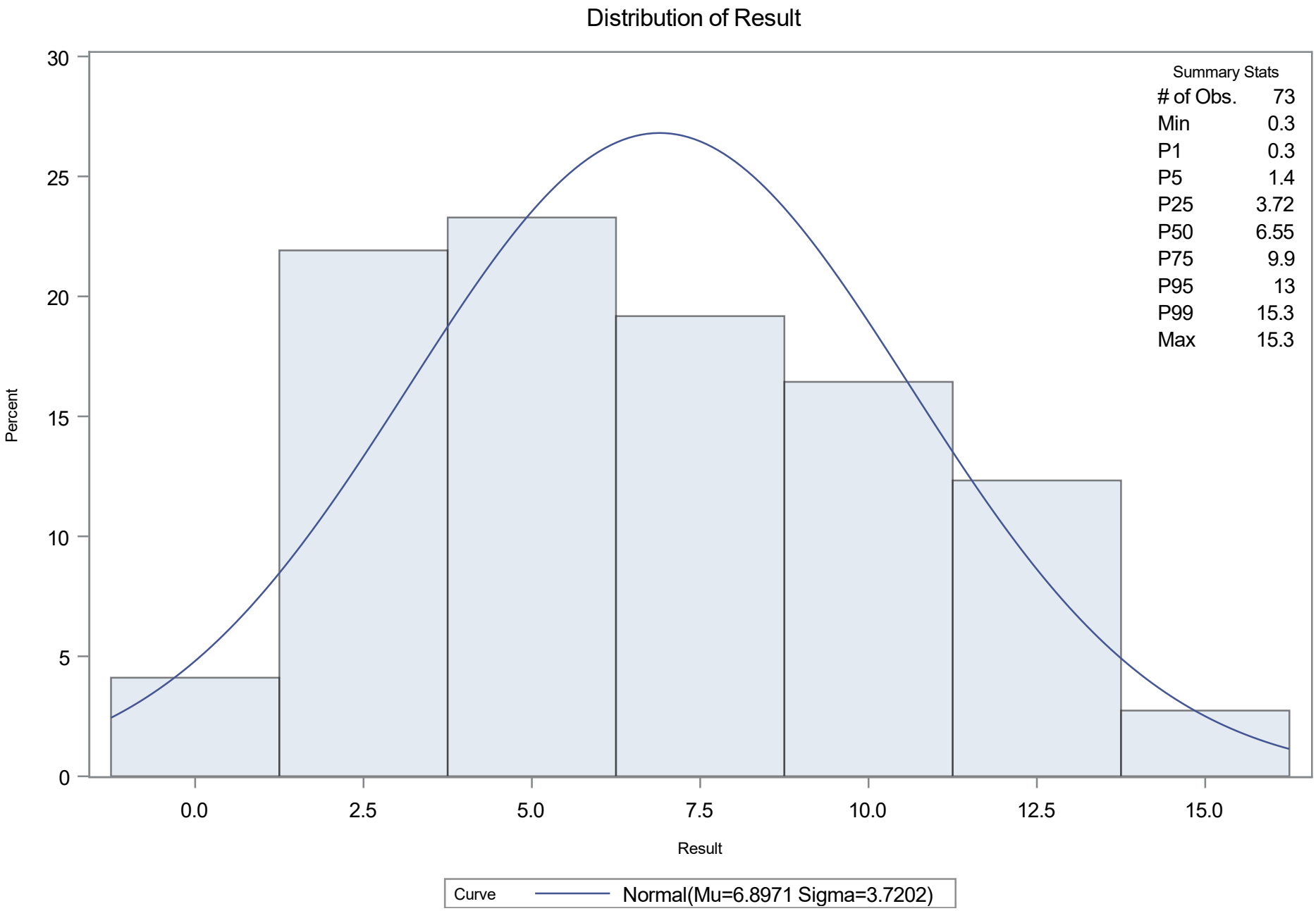
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
0
5
10
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.897123
Std Dev	Sigma	3.720161

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09568640	**Pr > D**	0.095
Cramer-von Mises	**W-Sq**	0.14254501	**Pr > W-Sq**	0.030
Anderson-Darling	**A-Sq**	0.84603461	**Pr > A-Sq**	0.029

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	-1.75726
5.0	1.40000	0.77800
10.0	2.87000	2.12955
25.0	3.72000	4.38791
50.0	6.55000	6.89712
75.0	9.90000	9.40633
90.0	12.10000	11.66470
95.0	13.00000	13.01624
99.0	15.30000	15.55151

Period of Record: January 1996 through December 2023
Analysis Days Only

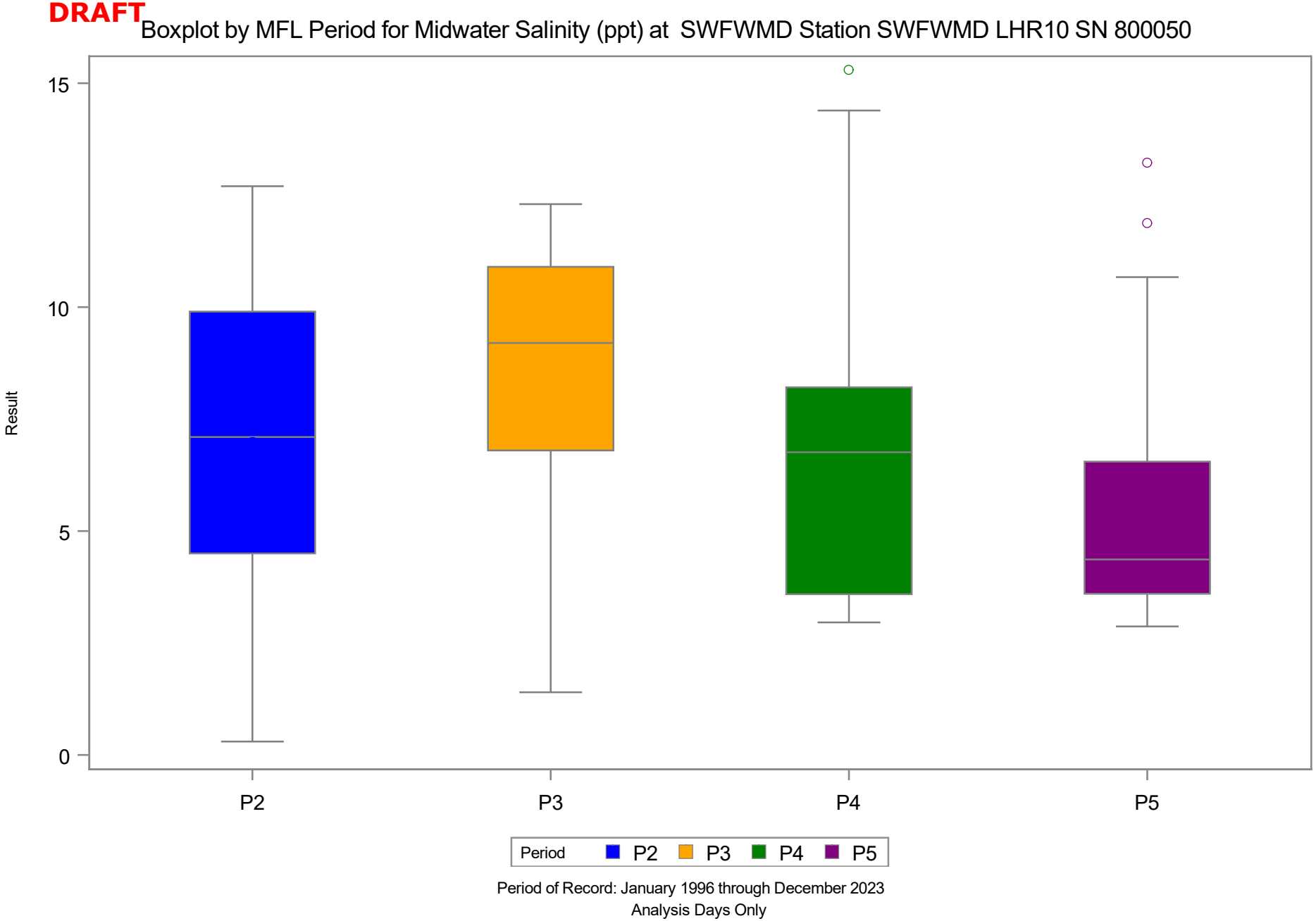
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050

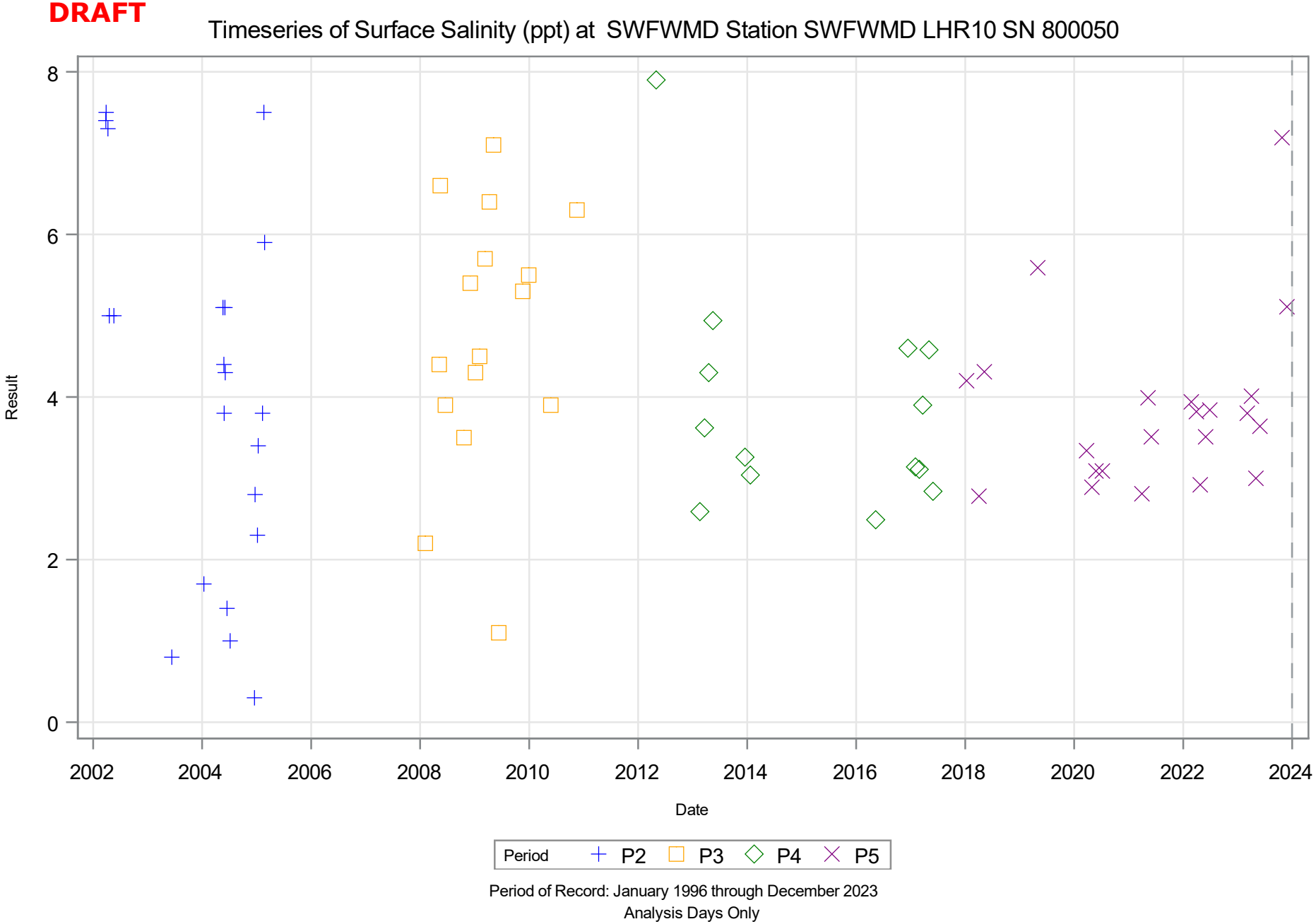
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.30	4.50	6.95	7.10	9.90	12.70
P3	13	1.40	6.80	8.55	9.20	10.90	12.30
P4	13	2.96	3.59	7.30	6.76	8.21	15.30
P5	22	2.87	3.60	5.62	4.37	6.55	13.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

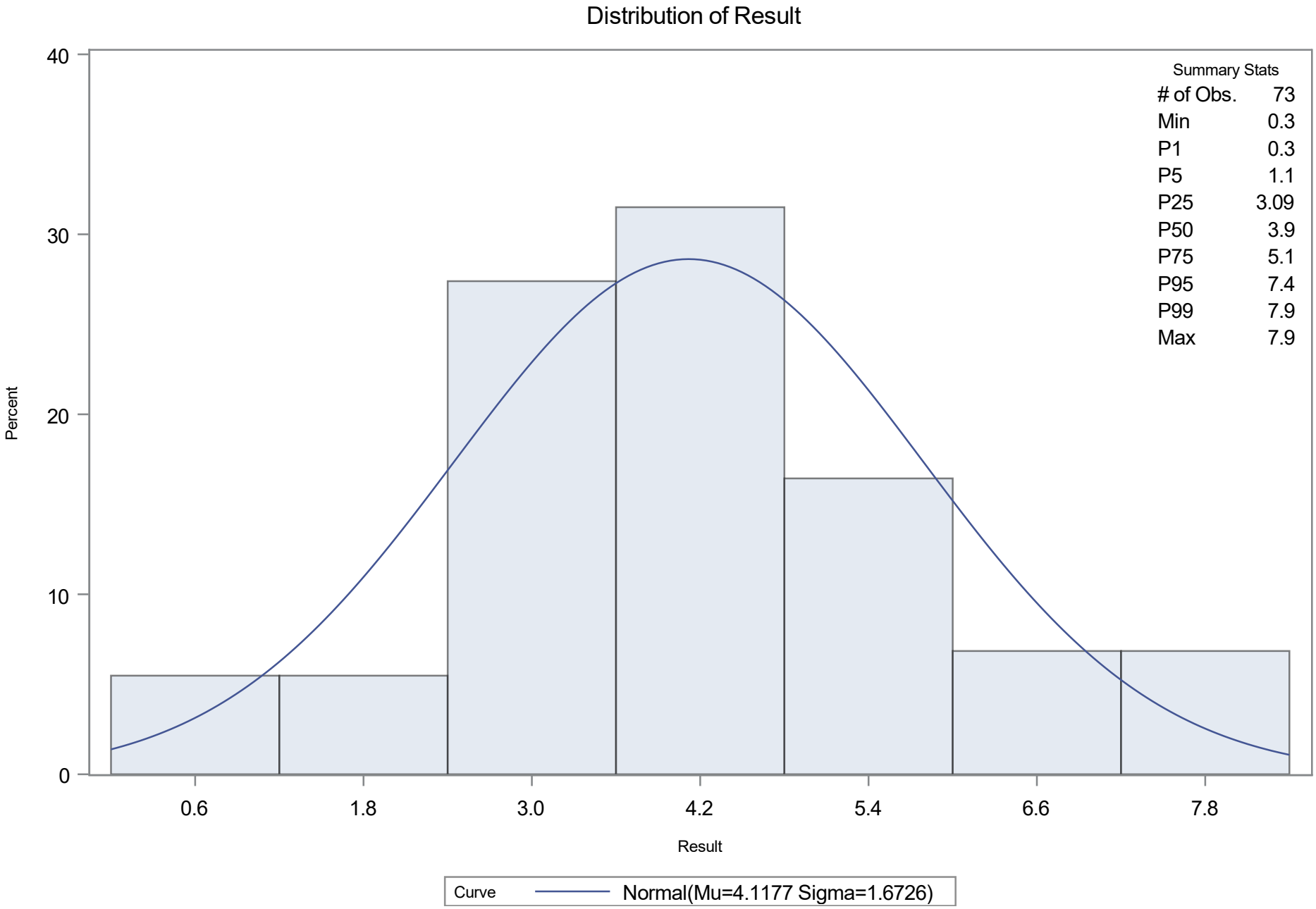
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.117671
Std Dev	Sigma	1.672602

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09051276	**Pr > D**	0.143
Cramer-von Mises	**W-Sq**	0.11561483	**Pr > W-Sq**	0.072
Anderson-Darling	**A-Sq**	0.71748600	**Pr > A-Sq**	0.061

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.30000	0.22662
5.0	1.10000	1.36649
10.0	2.30000	1.97415
25.0	3.09000	2.98952
50.0	3.90000	4.11767
75.0	5.10000	5.24582
90.0	6.60000	6.26120
95.0	7.40000	6.86886
99.0	7.90000	8.00873

Period of Record: January 1996 through December 2023
Analysis Days Only

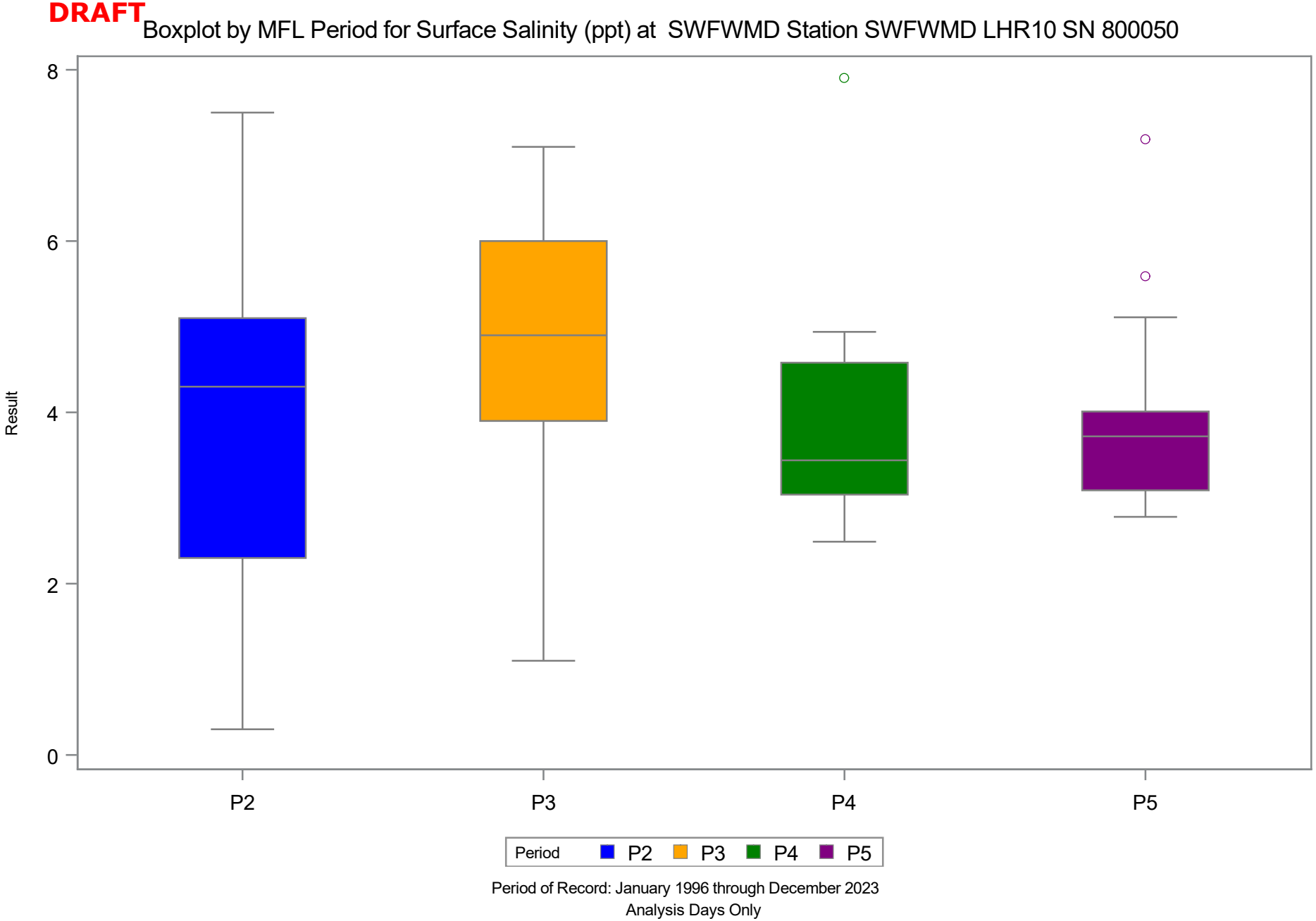
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050

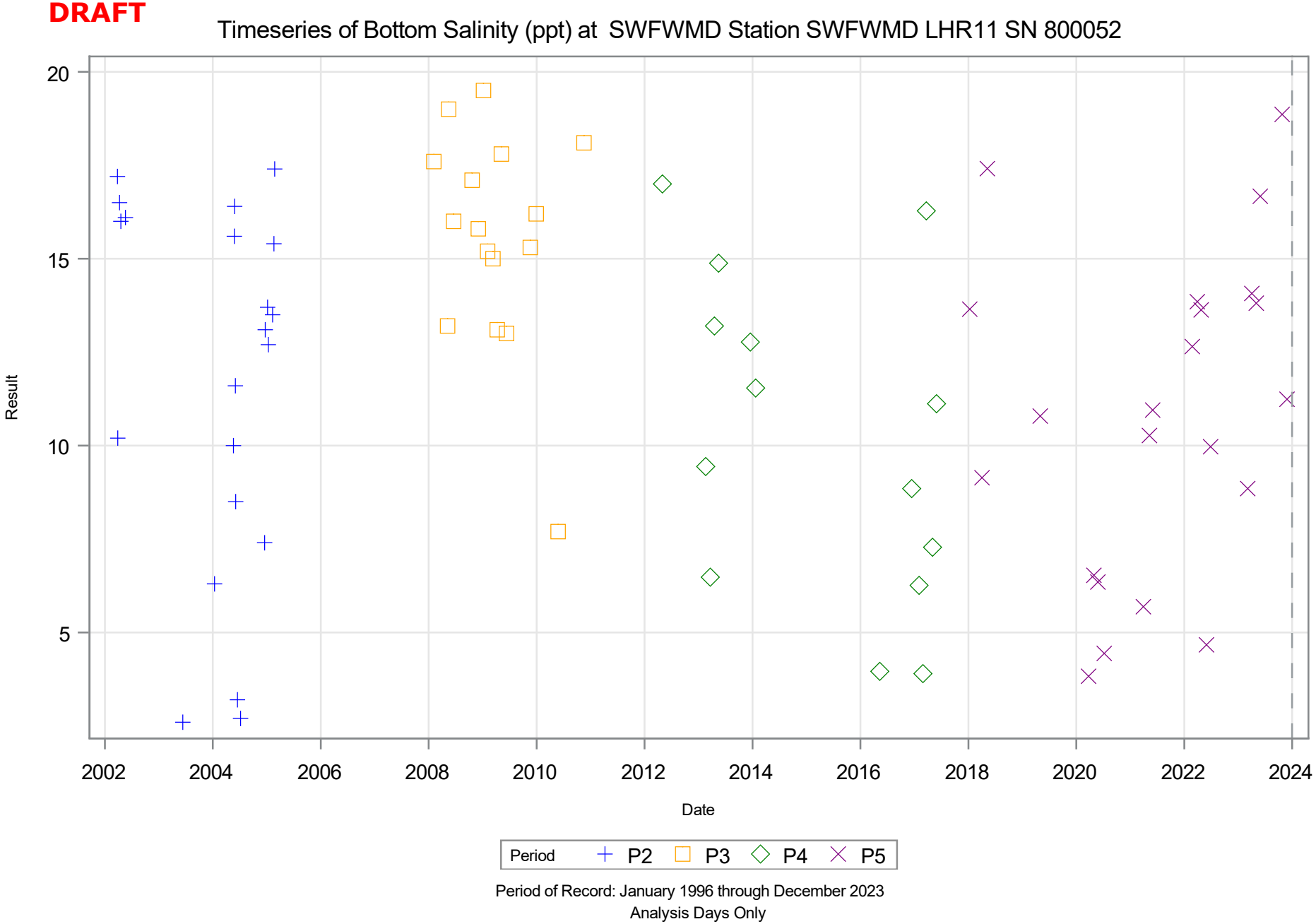
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.30	2.30	4.09	4.30	5.10	7.50
P3	16	1.10	3.90	4.76	4.90	6.00	7.10
P4	14	2.49	3.04	3.88	3.44	4.58	7.90
P5	22	2.78	3.09	3.84	3.72	4.01	7.19

Period of Record: January 1996 through December 2023
Analysis Days Only

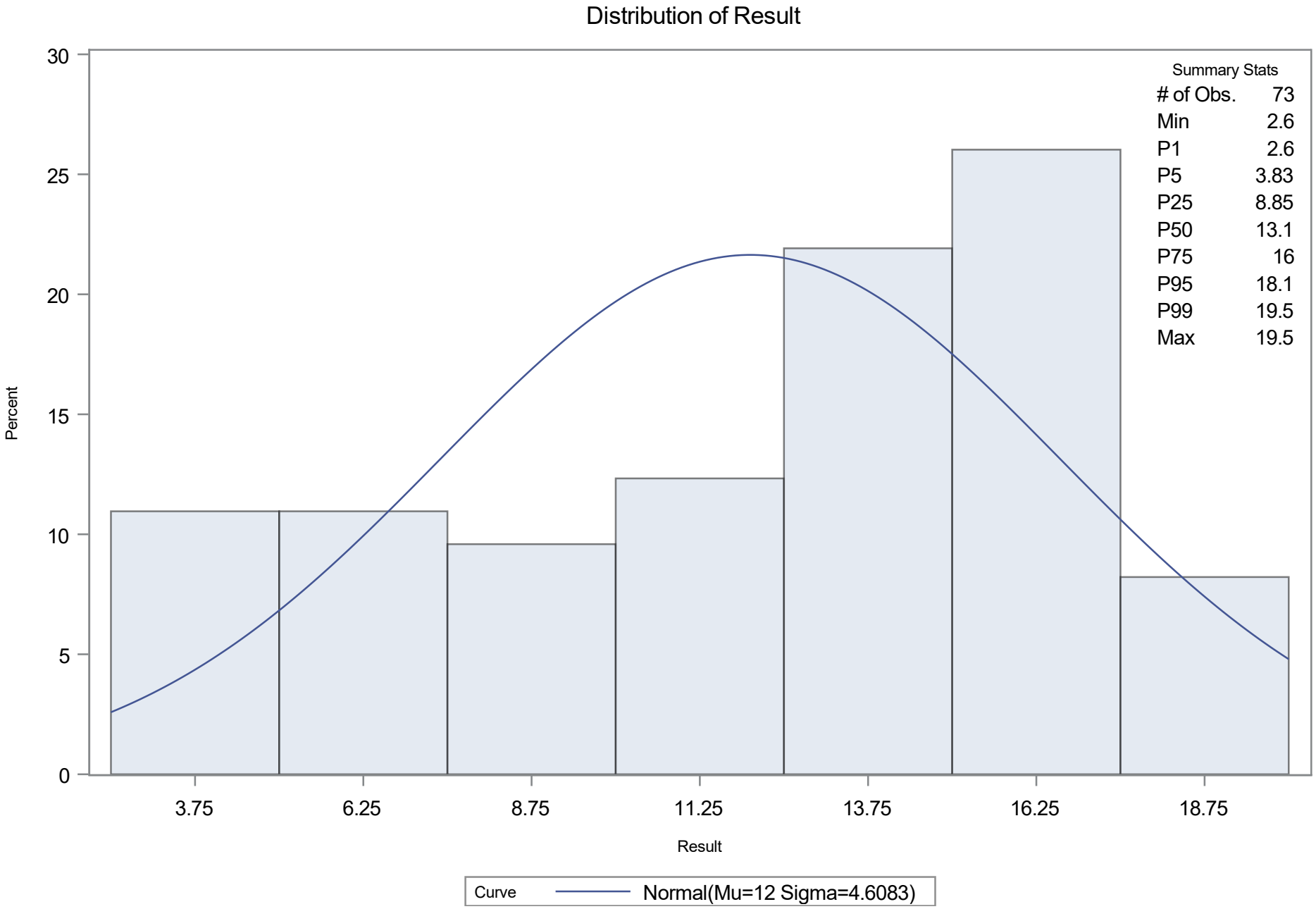
DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
8
6
4
2
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
20
15
10
5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.99973
Std Dev	Sigma	4.608294

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11775211	**Pr > D**	0.013
Cramer-von Mises	**W-Sq**	0.17943839	**Pr > W-Sq**	0.009
Anderson-Darling	**A-Sq**	1.13913242	**Pr > A-Sq**	0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.60000	1.27923
5.0	3.83000	4.41976
10.0	4.67000	6.09396
25.0	8.85000	8.89148
50.0	13.10000	11.99973
75.0	16.00000	15.10797
90.0	17.40000	17.90549
95.0	18.10000	19.57969
99.0	19.50000	22.72022

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	2.60	8.50	11.72	13.10	16.00	17.40
P3	16	7.70	14.10	15.60	15.90	17.70	19.50
P4	14	3.90	6.48	10.21	10.28	13.20	17.00
P5	22	3.83	6.53	10.79	10.87	13.81	18.86

Period of Record: January 1996 through December 2023
Analysis Days Only

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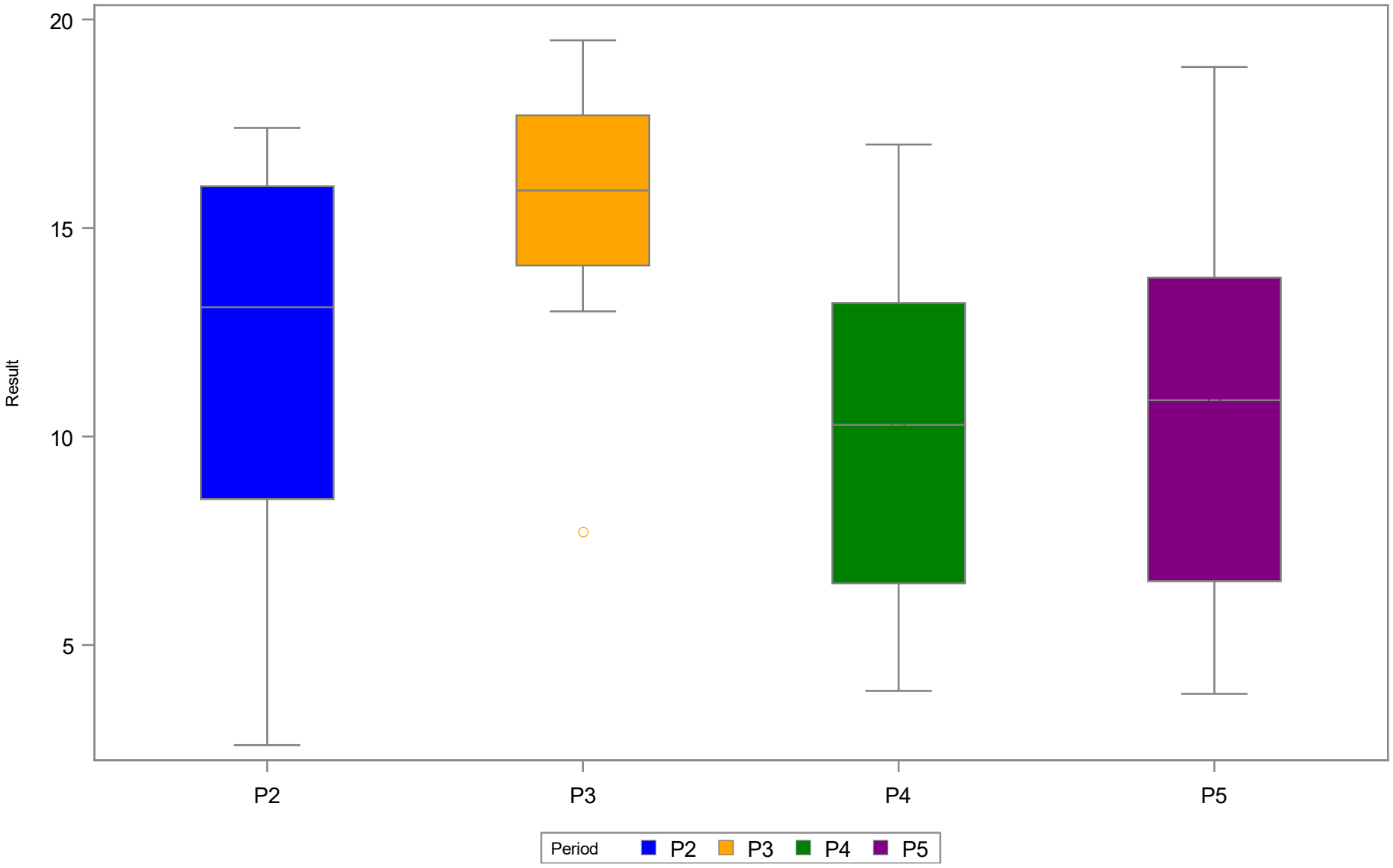
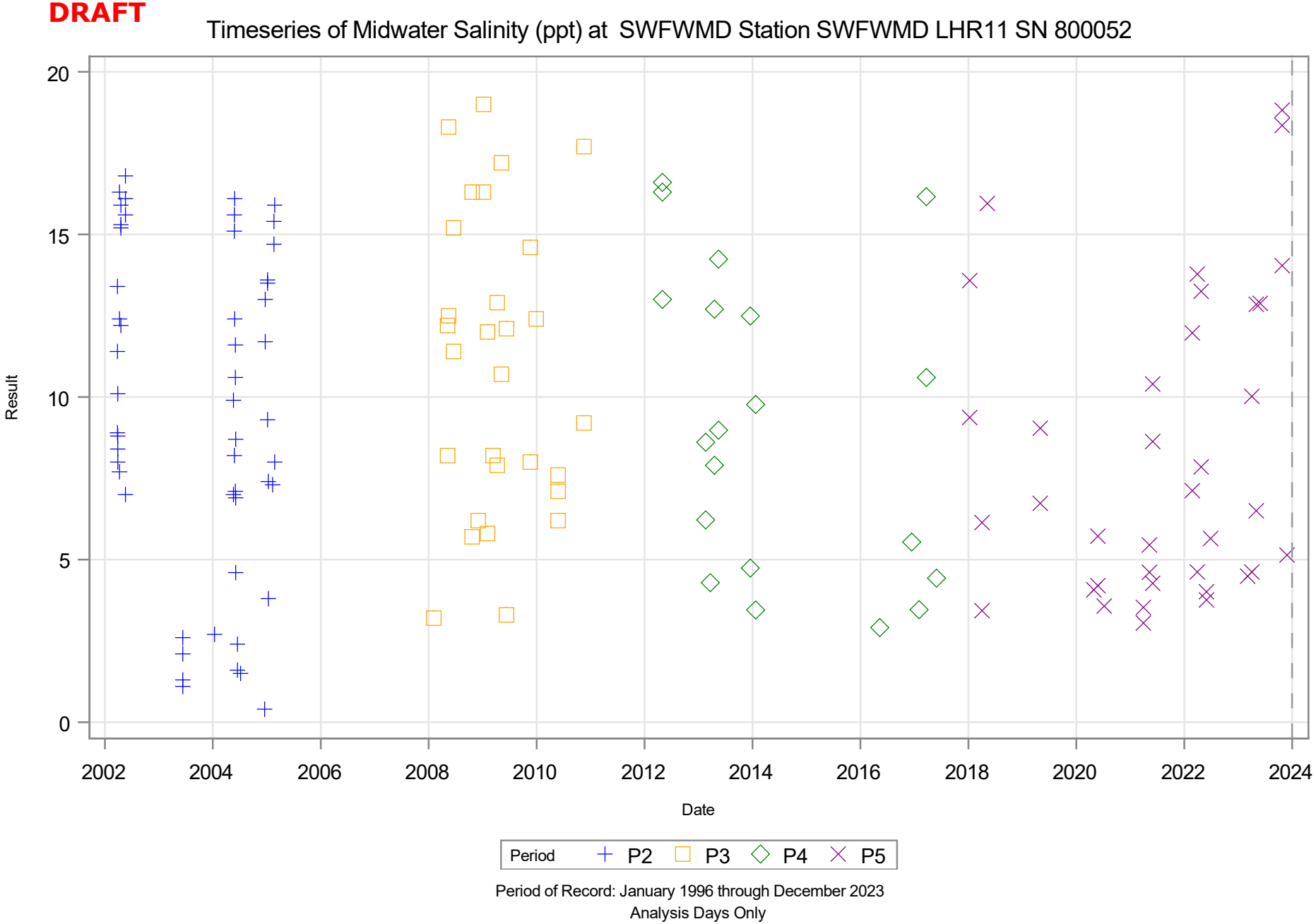
Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052

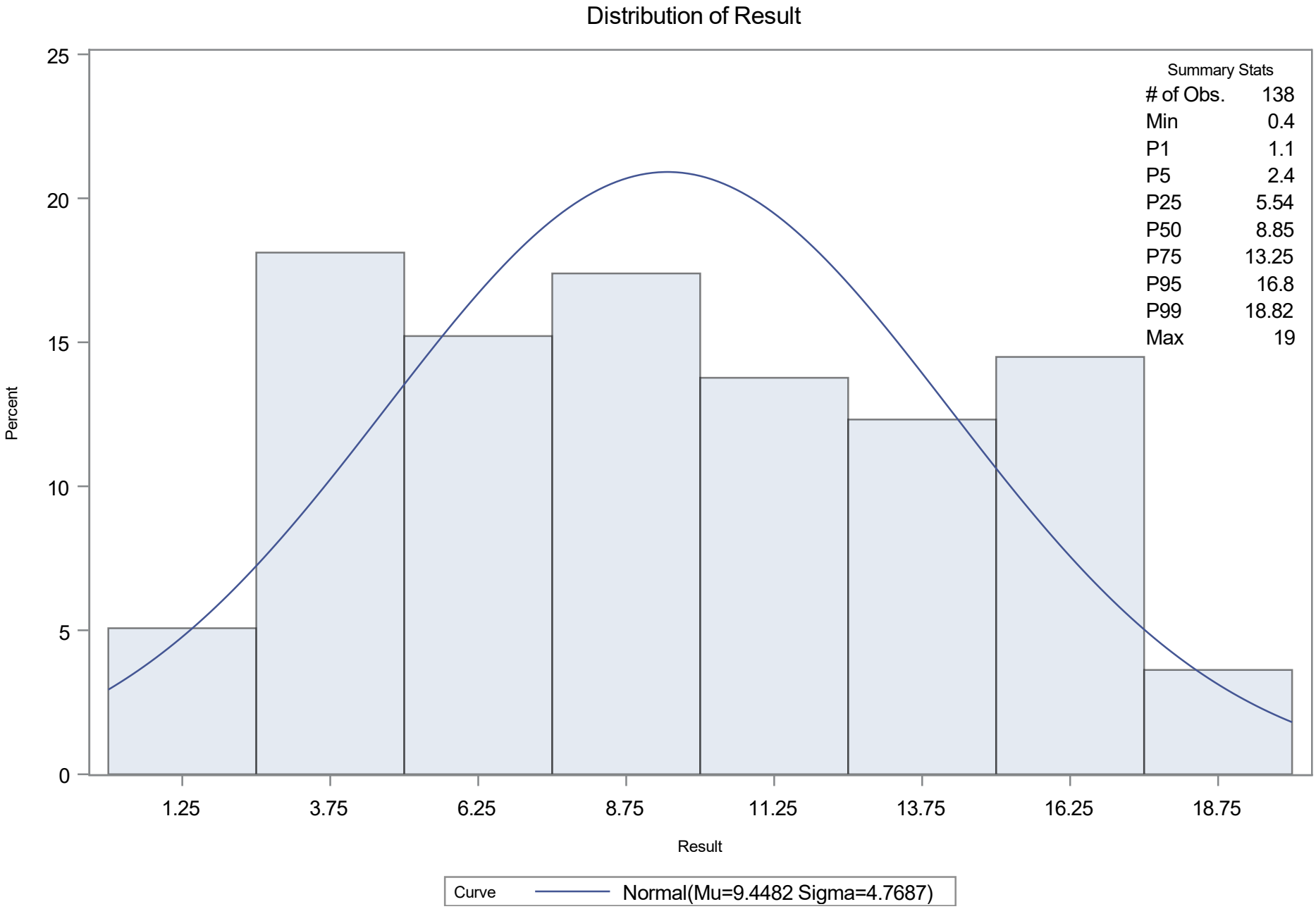


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
20
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.448188
Std Dev	Sigma	4.76867

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07110323	**Pr > D**	0.086
Cramer-von Mises	**W-Sq**	0.22044641	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.40776323	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.10000	-1.64540
5.0	2.40000	1.60442
10.0	3.43000	3.33689
25.0	5.54000	6.23177
50.0	8.85000	9.44819
75.0	13.25000	12.66461
90.0	16.10000	15.55948
95.0	16.80000	17.29195
99.0	18.82000	20.54177

Period of Record: January 1996 through December 2023
Analysis Days Only

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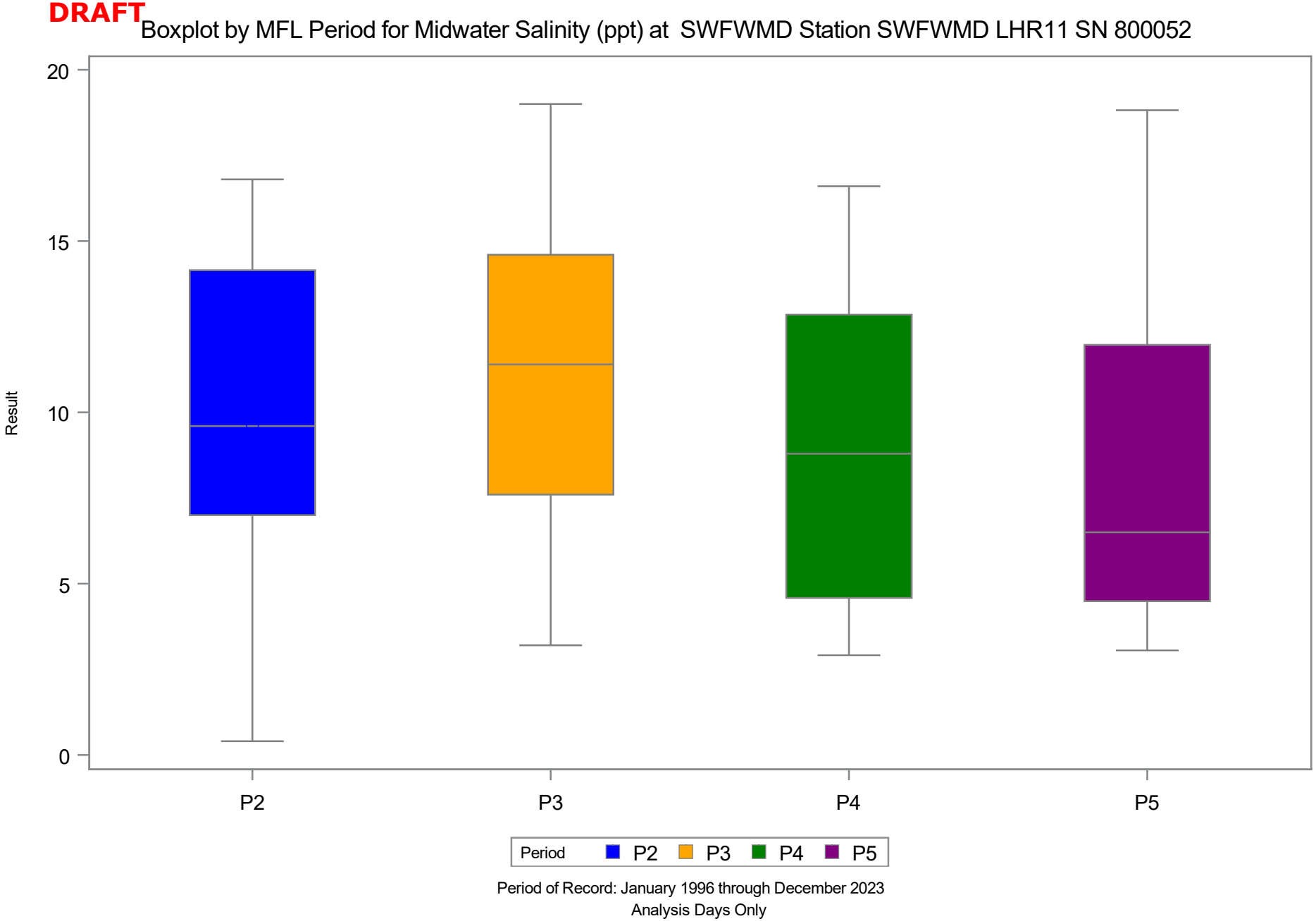
Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052

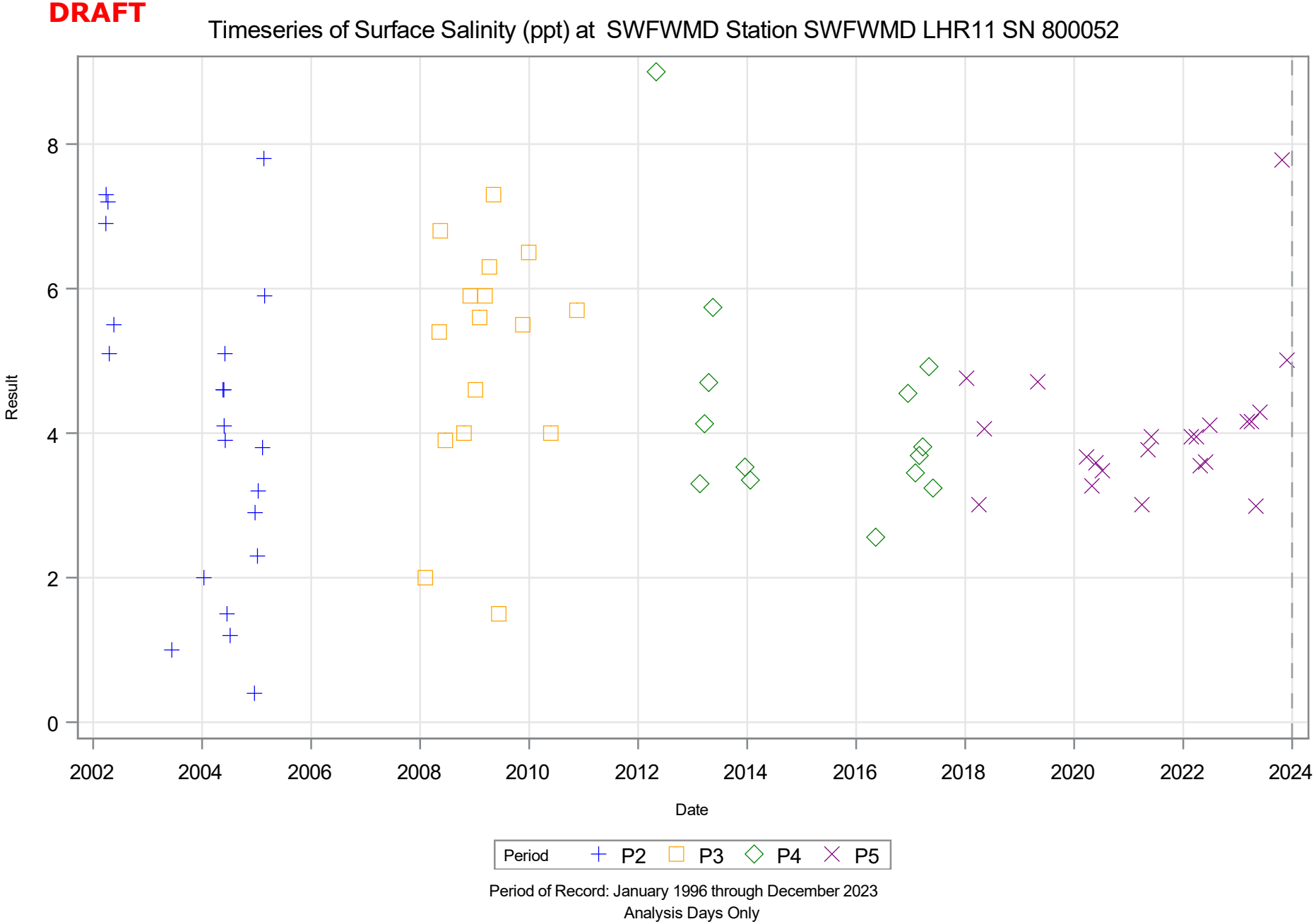
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	52	0.40	7.00	9.67	9.60	14.15	16.80
P3	29	3.20	7.60	10.94	11.40	14.60	19.00
P4	20	2.91	4.59	9.12	8.80	12.85	16.60
P5	37	3.05	4.49	8.15	6.50	11.97	18.82

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

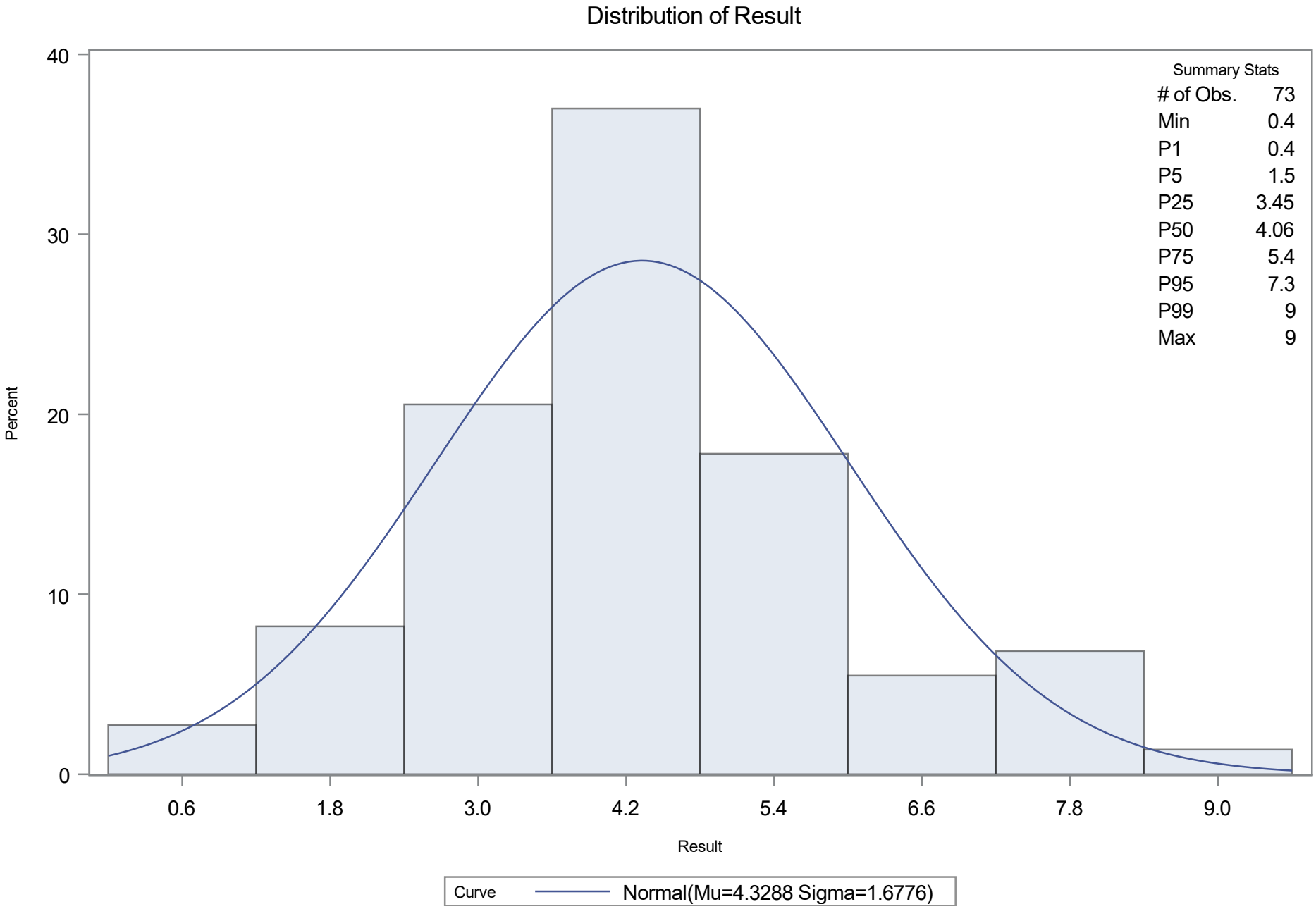
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.328767
Std Dev	Sigma	1.677618

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11540817	**Pr > D**	0.017
Cramer-von Mises	**W-Sq**	0.14493476	**Pr > W-Sq**	0.027
Anderson-Darling	**A-Sq**	0.74507423	**Pr > A-Sq**	0.050

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.40000	0.42604
5.0	1.50000	1.56933
10.0	2.30000	2.17881
25.0	3.45000	3.19723
50.0	4.06000	4.32877
75.0	5.40000	5.46030
90.0	6.80000	6.47872
95.0	7.30000	7.08820
99.0	9.00000	8.23149

Period of Record: January 1996 through December 2023
Analysis Days Only

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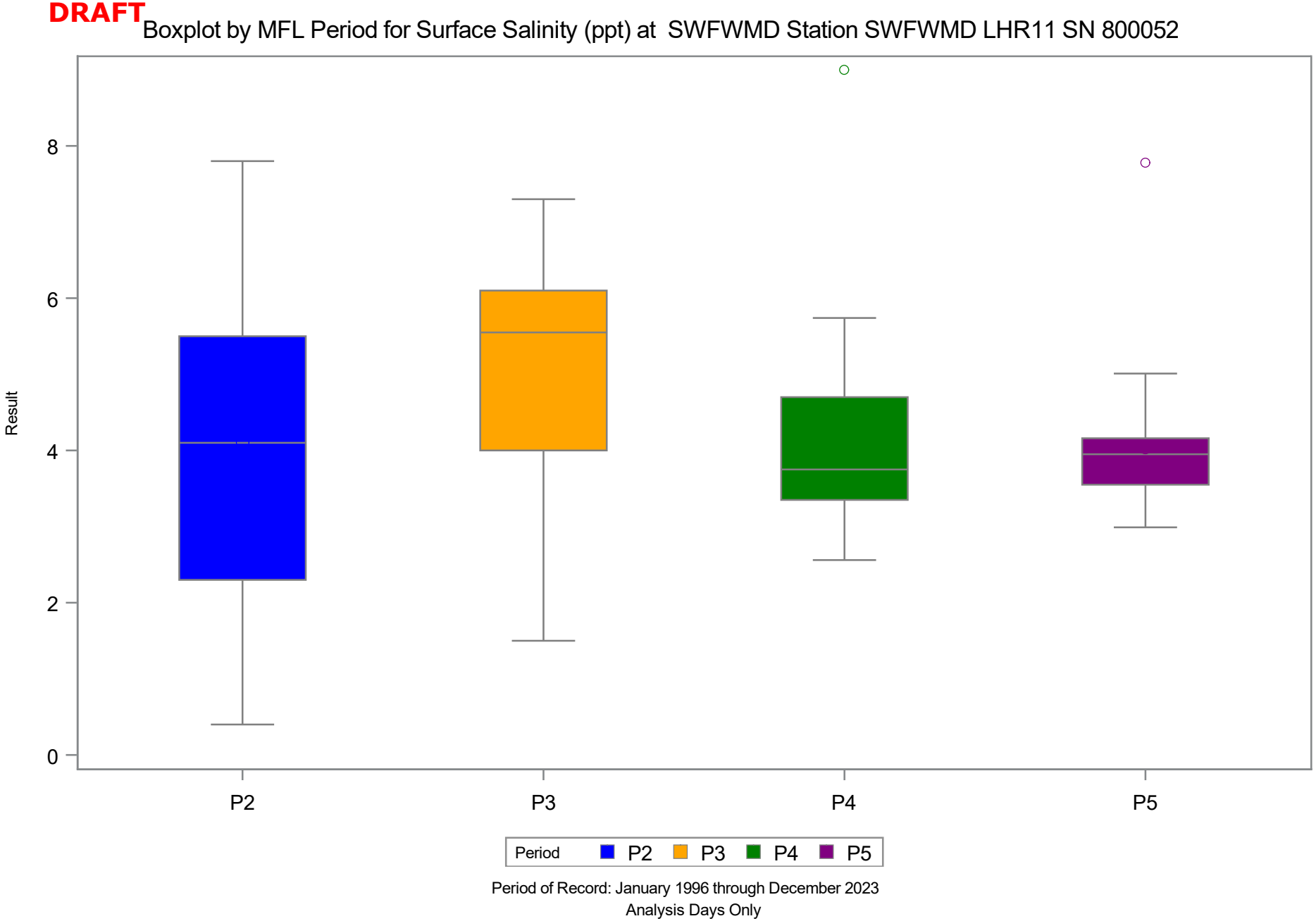
Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052

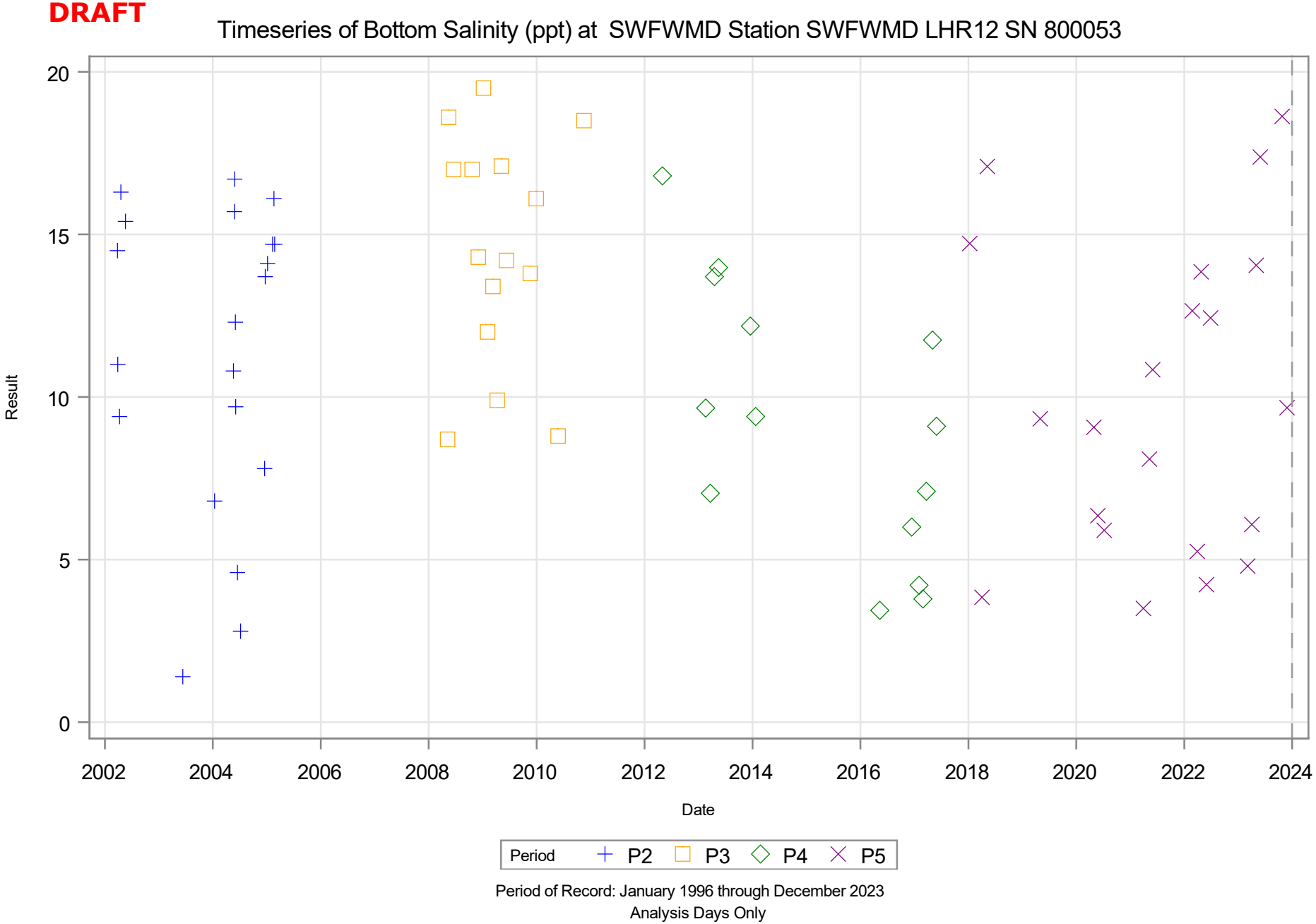
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	0.40	2.30	4.11	4.10	5.50	7.80
P3	16	1.50	4.00	5.06	5.55	6.10	7.30
P4	14	2.56	3.35	4.28	3.75	4.70	9.00
P5	22	2.99	3.55	4.04	3.95	4.16	7.78

Period of Record: January 1996 through December 2023
Analysis Days Only

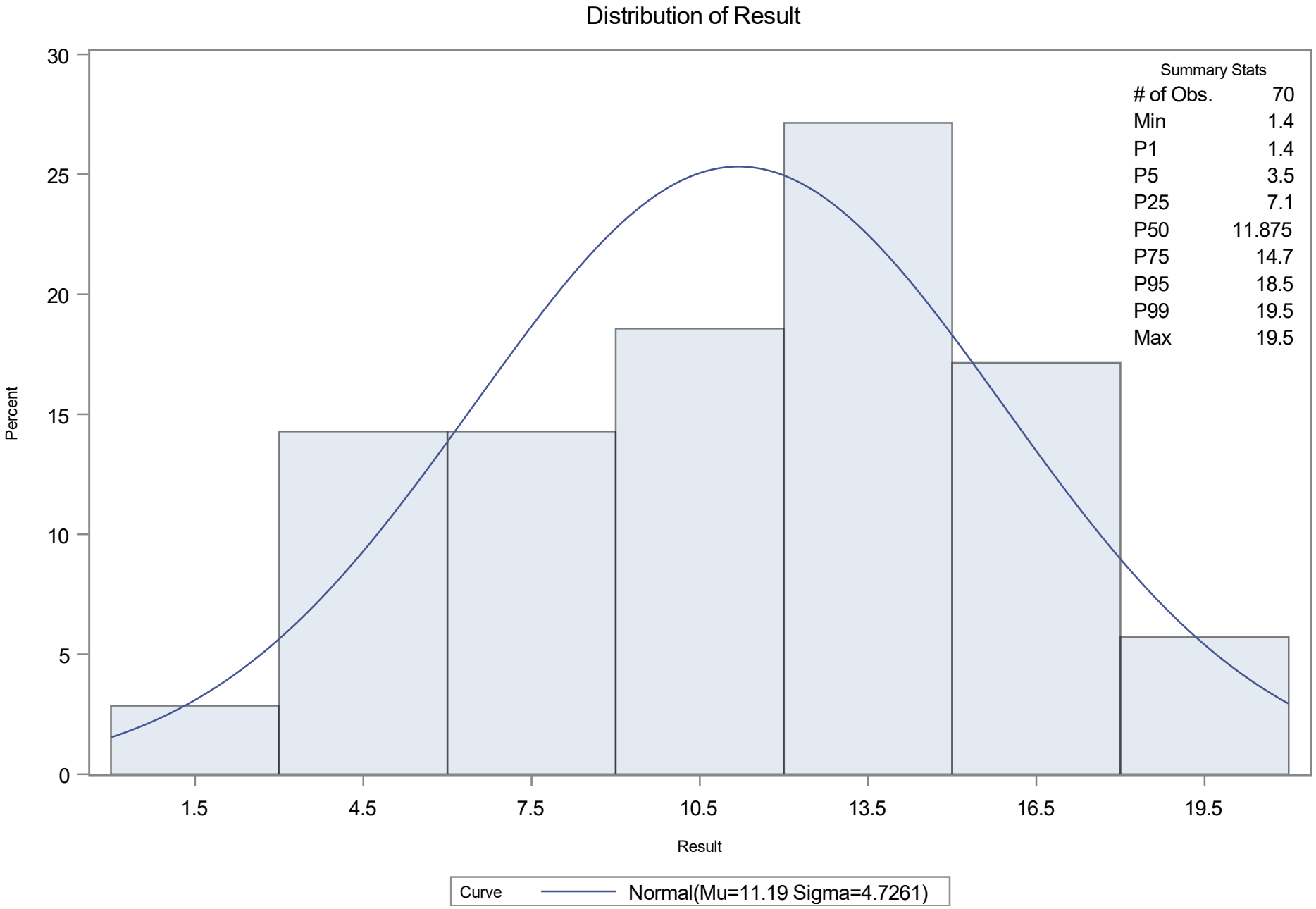
DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
0
2
4
6
8
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
20
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.19
Std Dev	Sigma	4.726097

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11660875	**Pr > D**	0.019
Cramer-von Mises	**W-Sq**	0.12949672	**Pr > W-Sq**	0.045
Anderson-Darling	**A-Sq**	0.81841821	**Pr > A-Sq**	0.034

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.40000	0.19545
5.0	3.50000	3.41626
10.0	4.22000	5.13326
25.0	7.10000	8.00230
50.0	11.87500	11.19000
75.0	14.70000	14.37770
90.0	17.04500	17.24674
95.0	18.50000	18.96374
99.0	19.50000	22.18455

Period of Record: January 1996 through December 2023
Analysis Days Only

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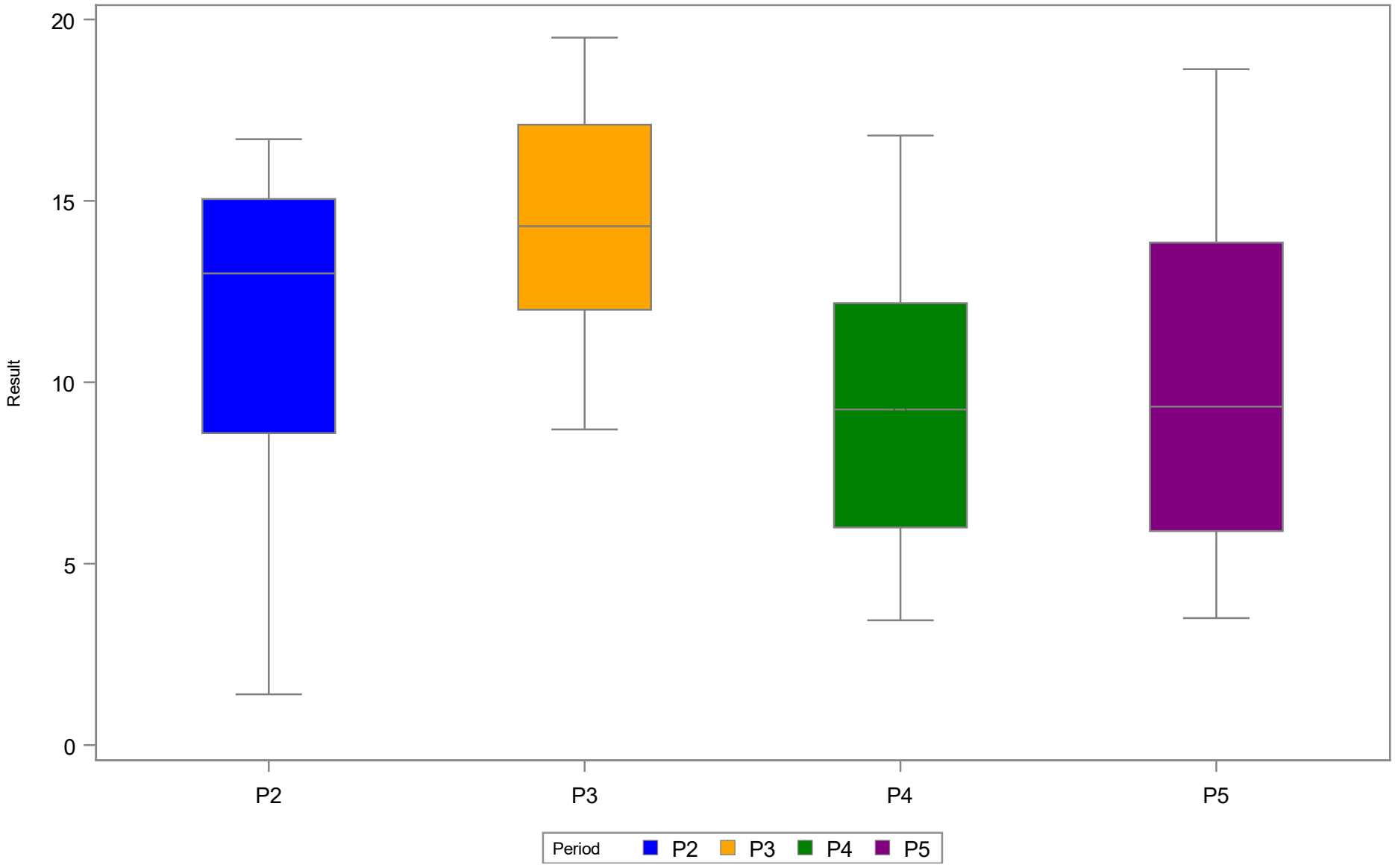
Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	1.40	8.60	11.43	13.00	15.05	16.70
P3	15	8.70	12.00	14.59	14.30	17.10	19.50
P4	14	3.44	6.00	9.15	9.25	12.18	16.80
P5	21	3.50	5.90	9.89	9.33	13.85	18.63

Period of Record: January 1996 through December 2023
Analysis Days Only

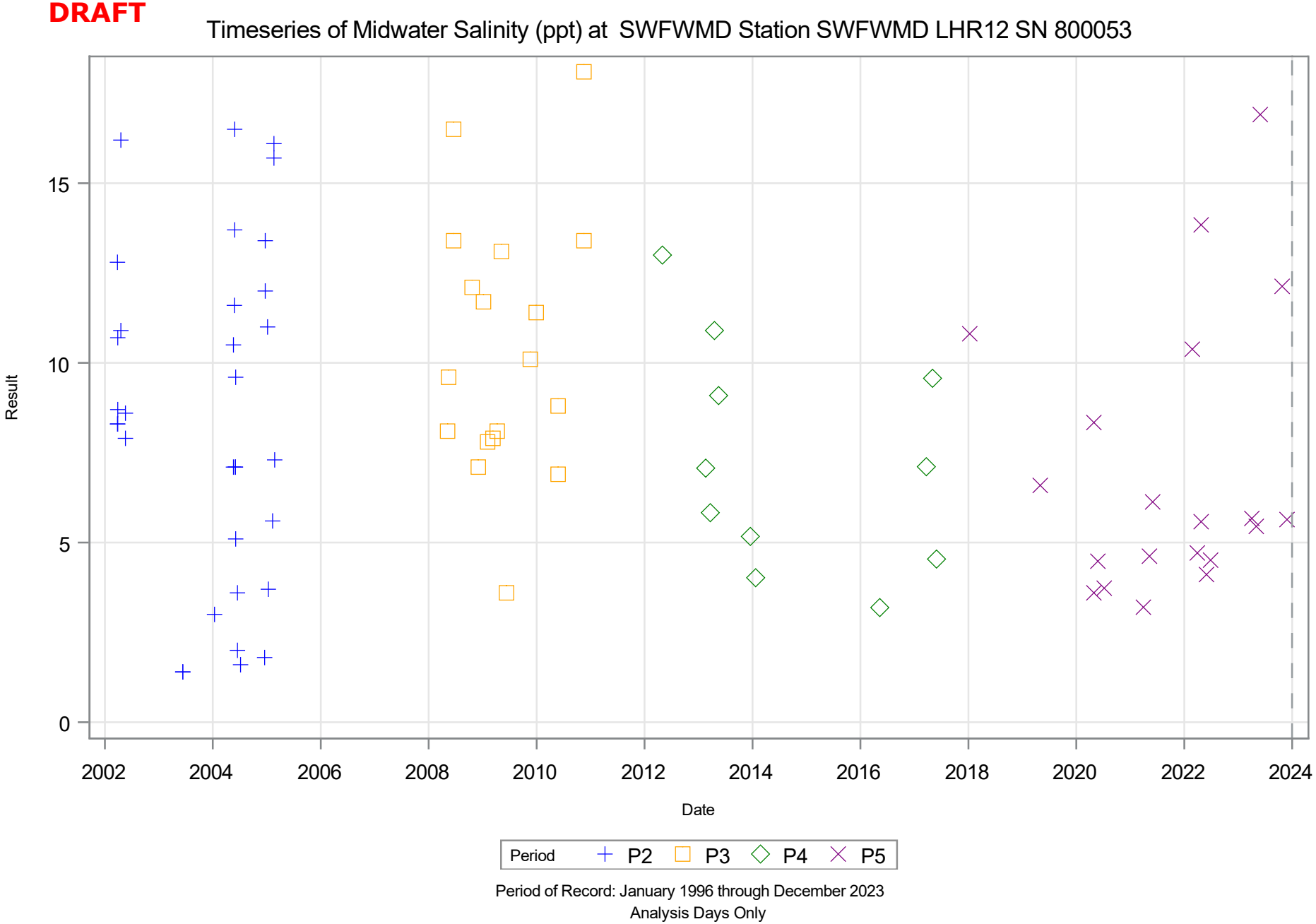
DRAFT

Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053

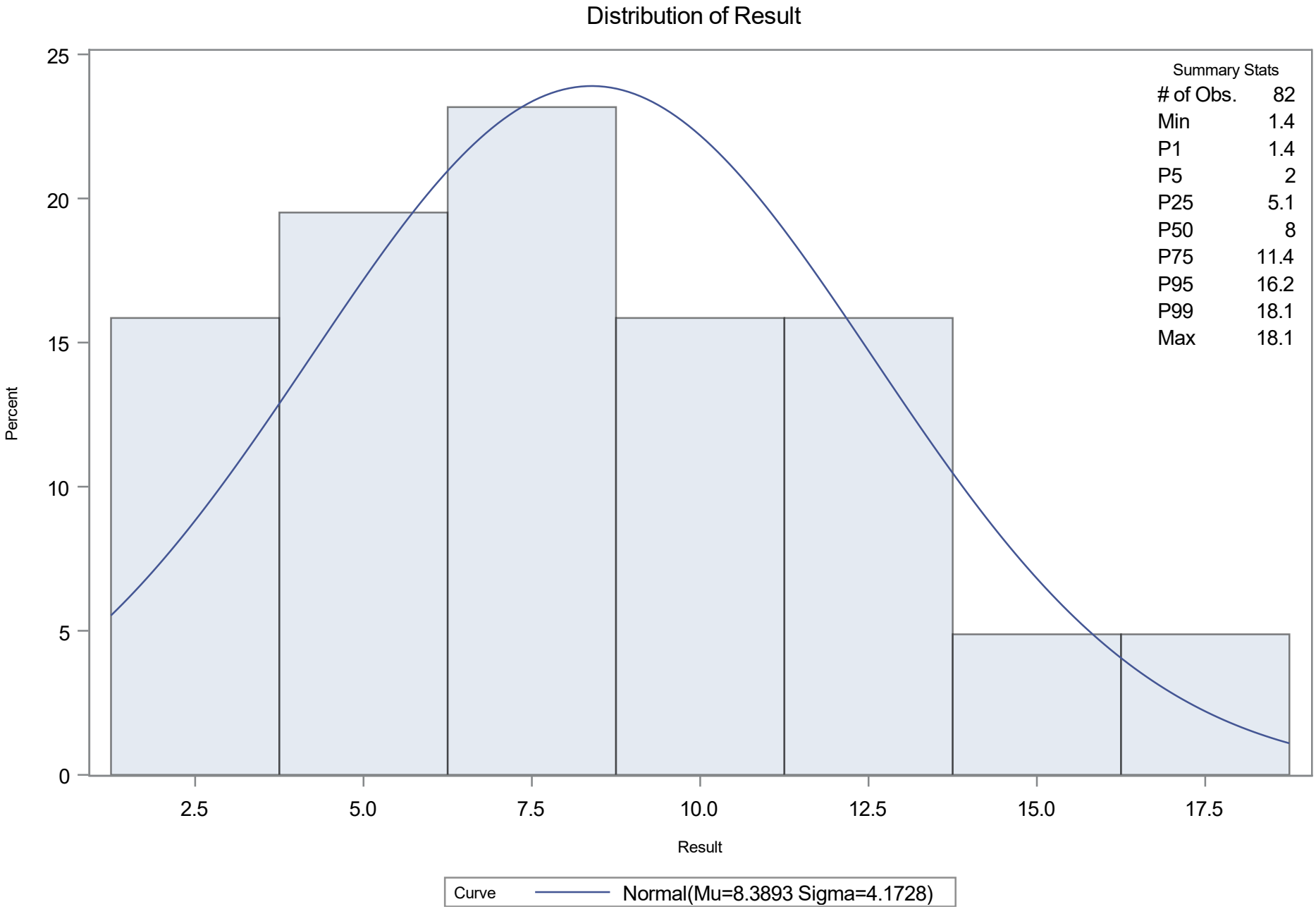


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
0
5
10
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.389268
Std Dev	Sigma	4.172771

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07196114	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08493190	**Pr > W-Sq**	0.183
Anderson-Darling	**A-Sq**	0.59330003	**Pr > A-Sq**	0.123

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.40000	-1.31805
5.0	2.00000	1.52567
10.0	3.60000	3.04165
25.0	5.10000	5.57478
50.0	8.00000	8.38927
75.0	11.40000	11.20376
90.0	13.70000	13.73689
95.0	16.20000	15.25287
99.0	18.10000	18.09659

Period of Record: January 1996 through December 2023
Analysis Days Only

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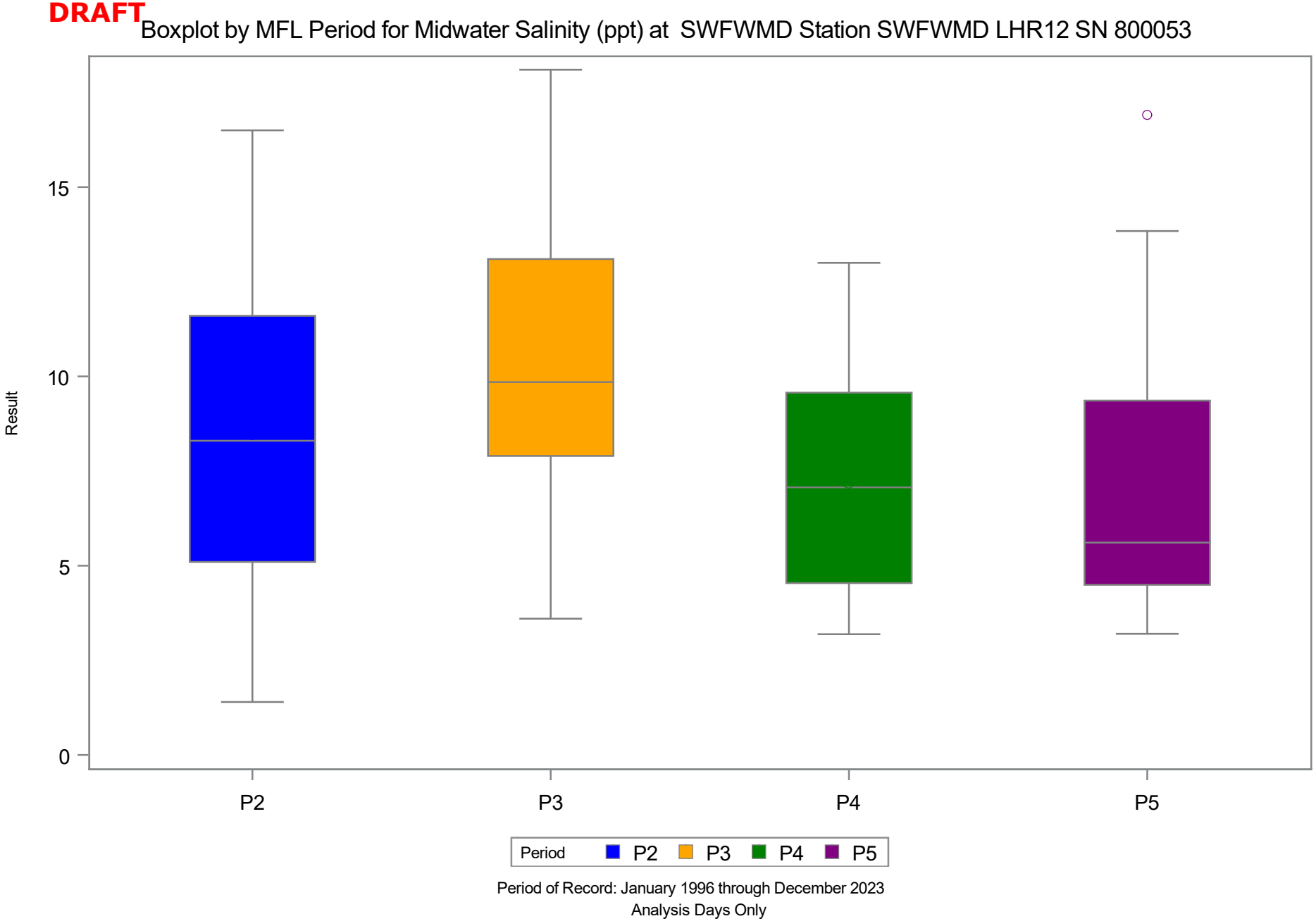
Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053

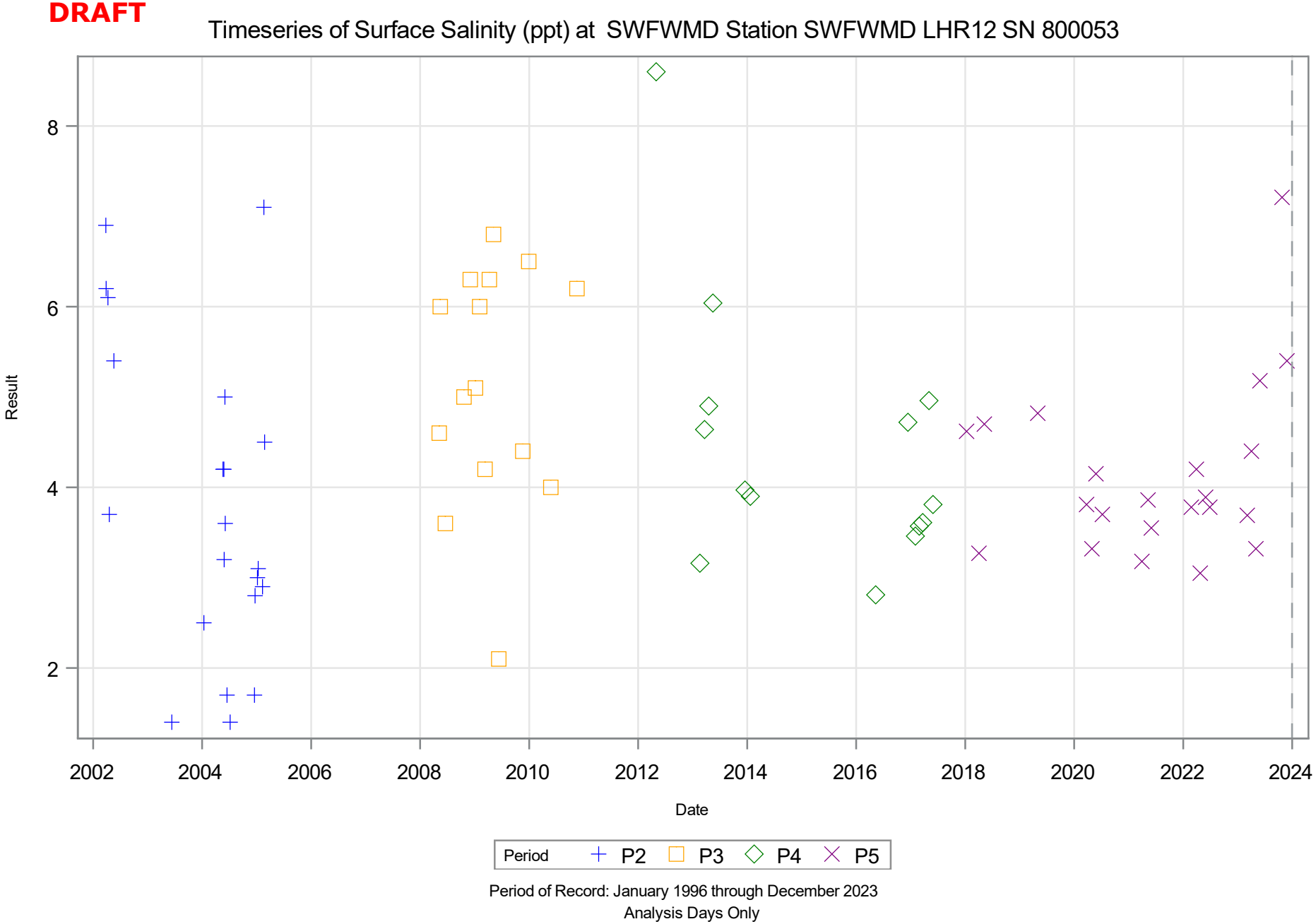
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	33	1.40	5.10	8.49	8.30	11.60	16.50
P3	18	3.60	7.90	10.43	9.85	13.10	18.10
P4	11	3.19	4.54	7.23	7.07	9.57	13.00
P5	20	3.20	4.50	7.02	5.61	9.36	16.91

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

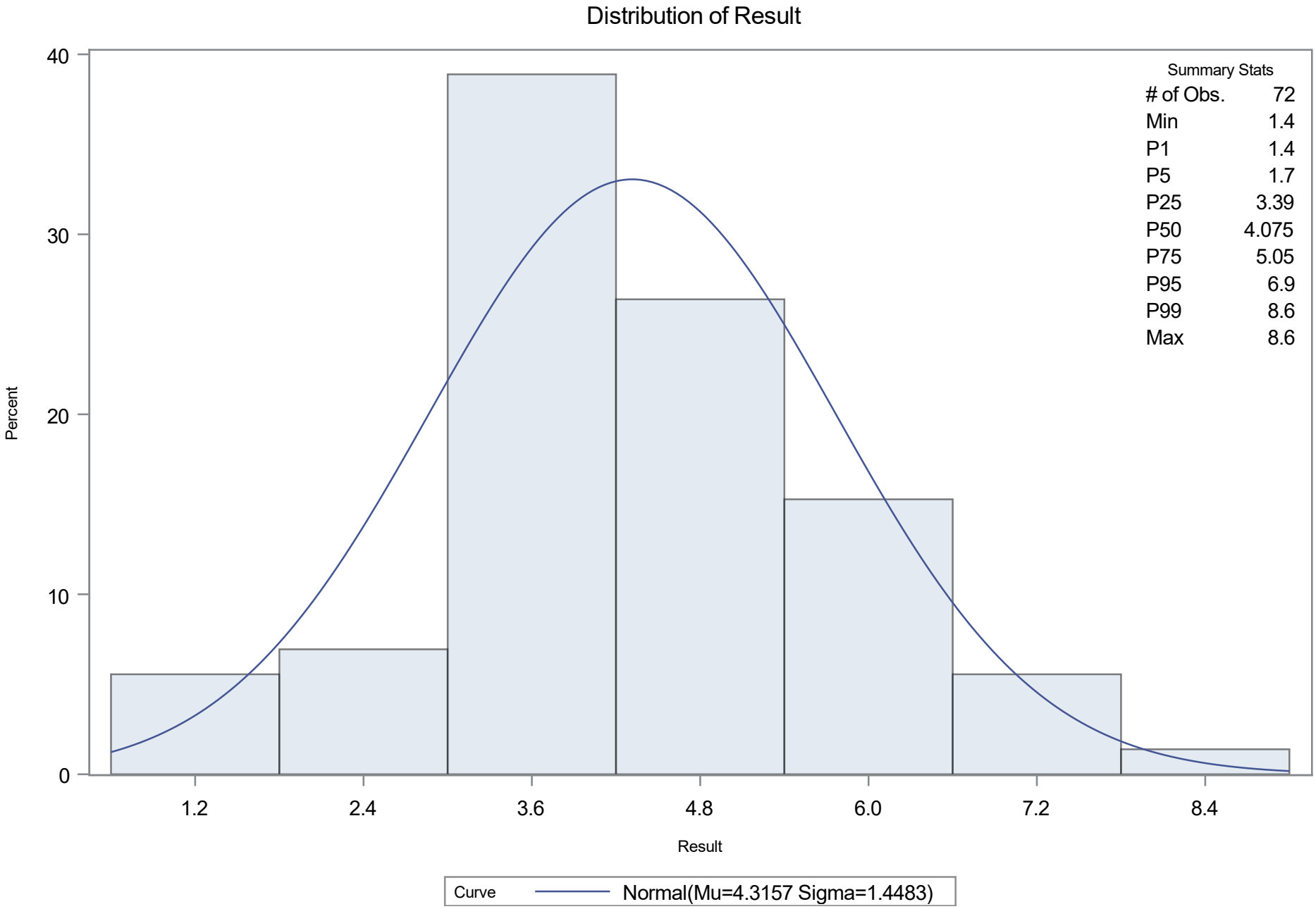

Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.315694
Std Dev	Sigma	1.448284

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10127961	**Pr > D**	0.067
Cramer-von Mises	**W-Sq**	0.13762142	**Pr > W-Sq**	0.036
Anderson-Darling	**A-Sq**	0.75257105	**Pr > A-Sq**	0.048

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.40000	0.94648
5.0	1.70000	1.93348
10.0	2.81000	2.45964
25.0	3.39000	3.33884
50.0	4.07500	4.31569
75.0	5.05000	5.29255
90.0	6.30000	6.17174
95.0	6.90000	6.69791
99.0	8.60000	7.68491

Period of Record: January 1996 through December 2023
Analysis Days Only

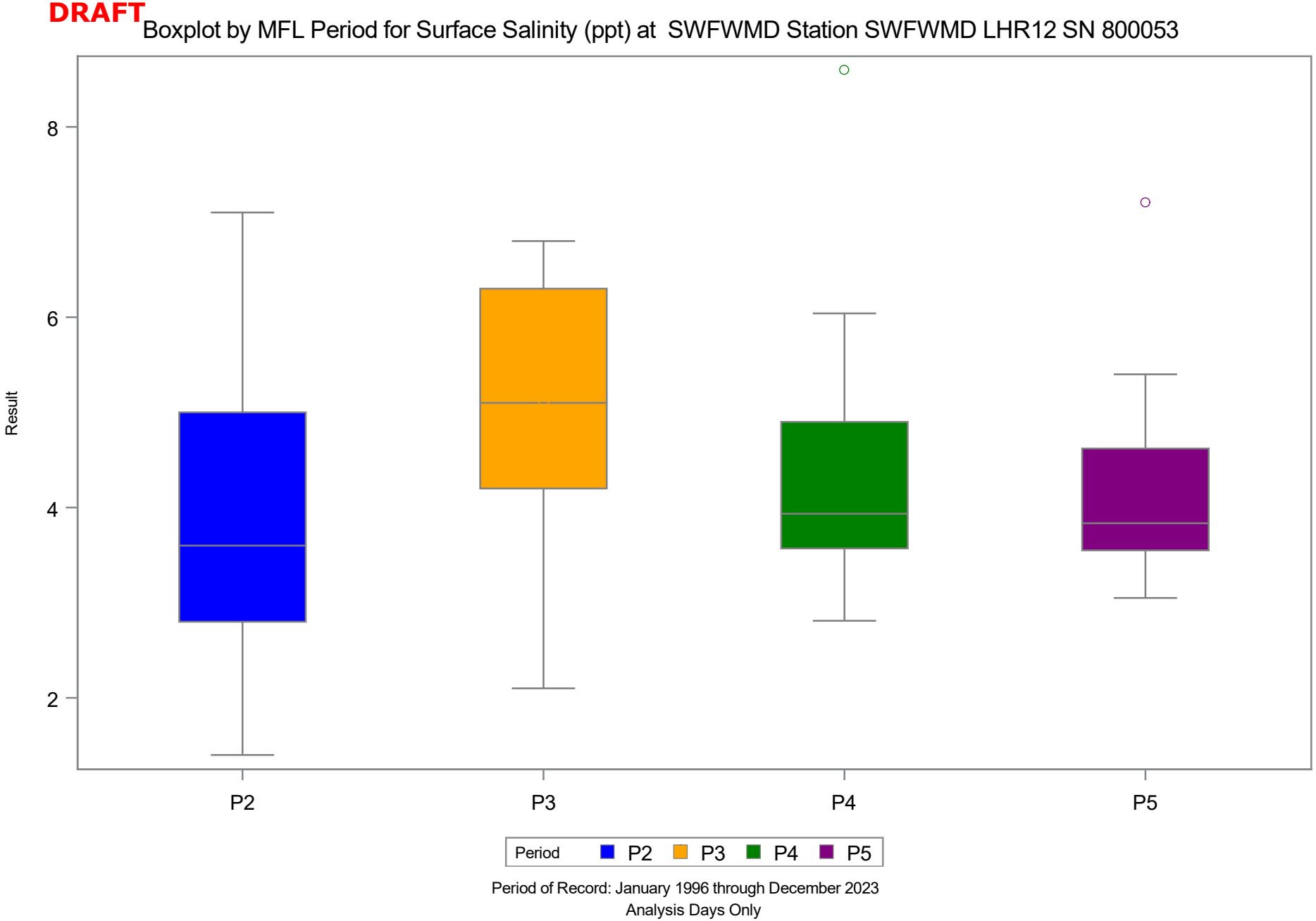
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053

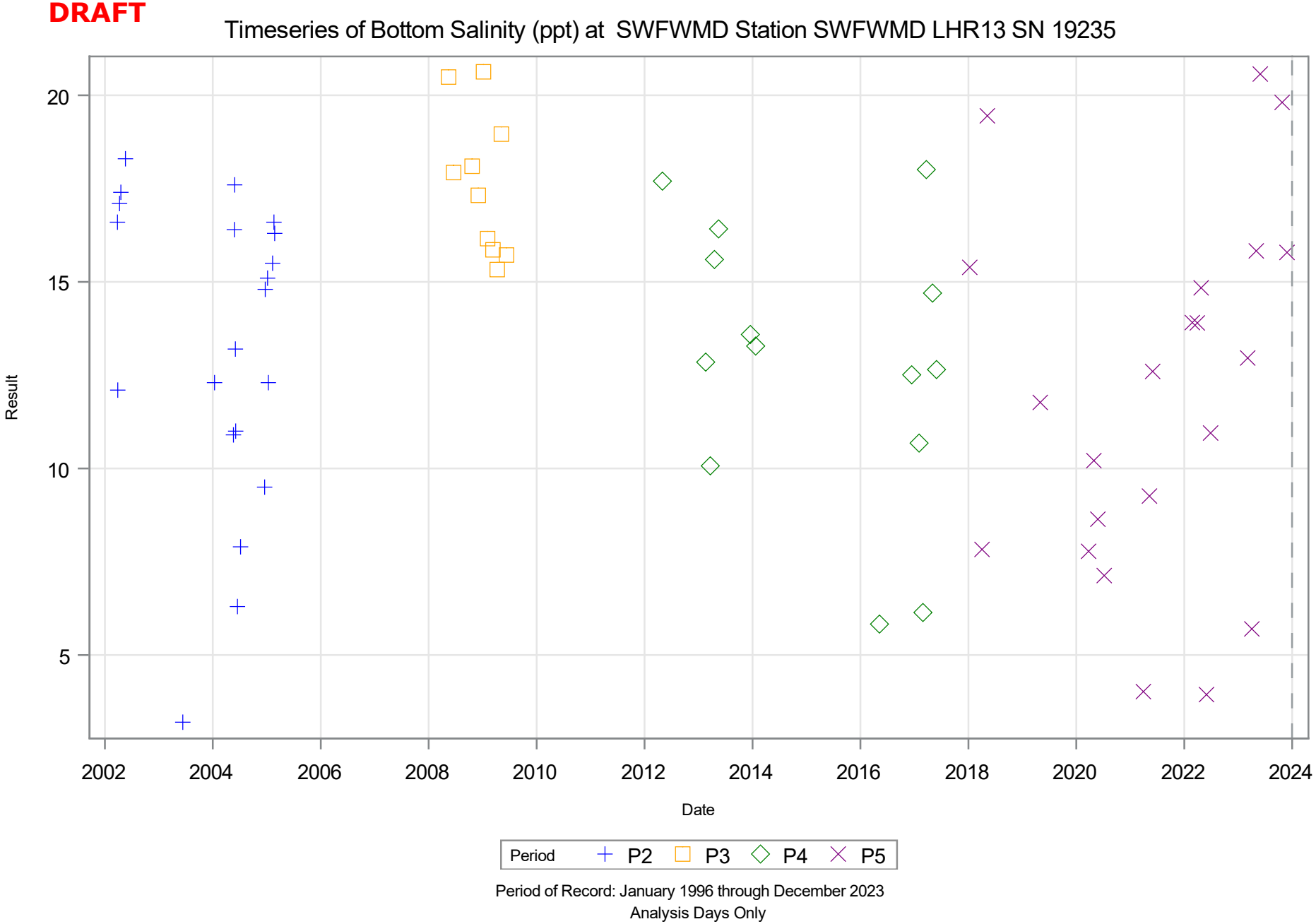
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.40	2.80	3.84	3.60	5.00	7.10
P3	15	2.10	4.20	5.14	5.10	6.30	6.80
P4	14	2.81	3.57	4.44	3.94	4.90	8.60
P5	22	3.05	3.55	4.13	3.84	4.62	7.21

Period of Record: January 1996 through December 2023
Analysis Days Only

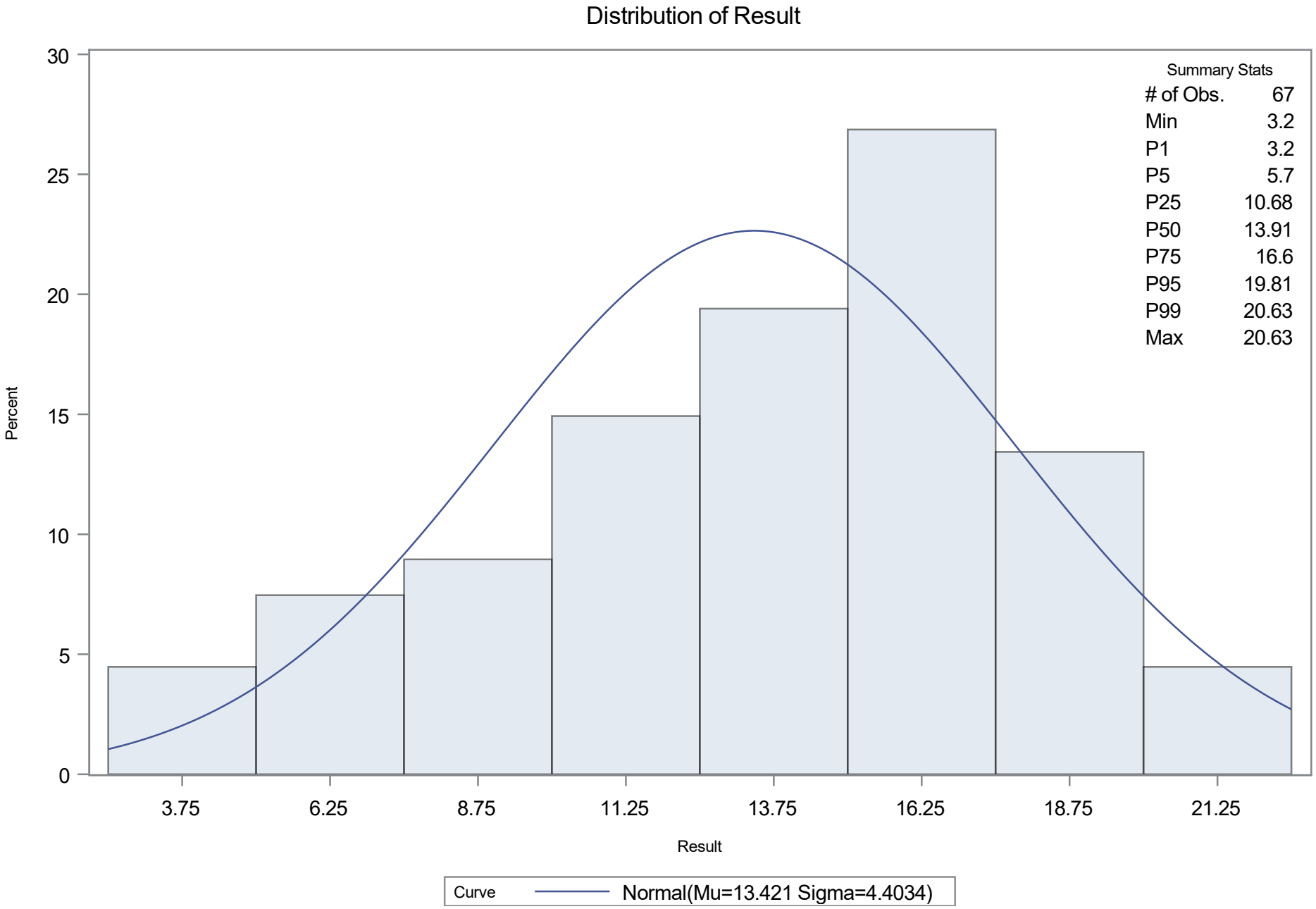
DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
20
15
10
5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.42104
Std Dev	Sigma	4.403431

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10679947	**Pr > D**	0.057
Cramer-von Mises	**W-Sq**	0.12657803	**Pr > W-Sq**	0.048
Anderson-Darling	**A-Sq**	0.77367296	**Pr > A-Sq**	0.044

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.20000	3.17713
5.0	5.70000	6.17805
10.0	6.30000	7.77782
25.0	10.68000	10.45098
50.0	13.91000	13.42104
75.0	16.60000	16.39111
90.0	18.30000	19.06427
95.0	19.81000	20.66404
99.0	20.63000	23.66496

Period of Record: January 1996 through December 2023
Analysis Days Only

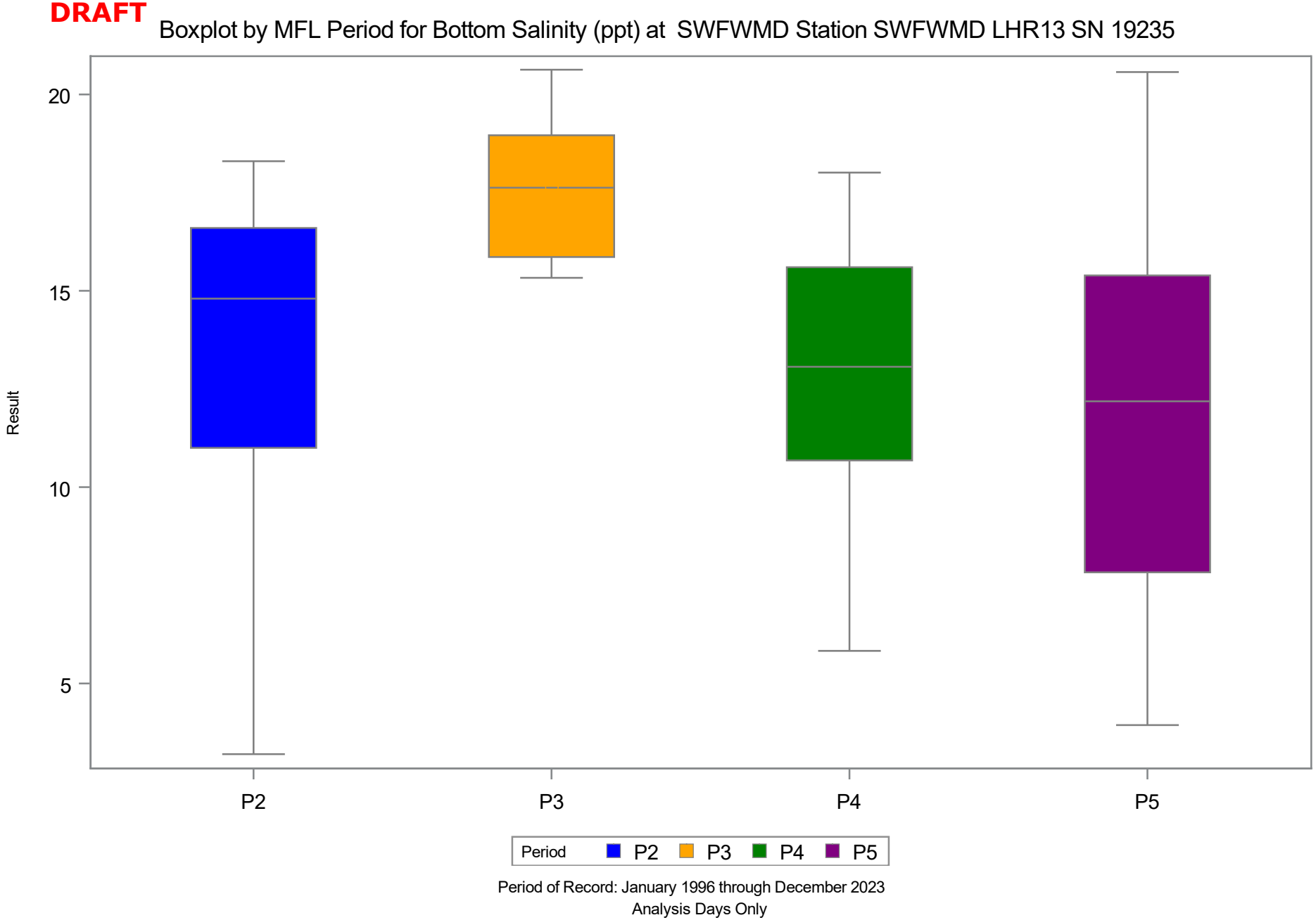
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	3.20	11.00	13.35	14.80	16.60	18.30
P3	10	15.33	15.86	17.65	17.63	18.96	20.63
P4	14	5.83	10.68	12.86	13.07	15.60	18.01
P5	22	3.94	7.83	11.92	12.19	15.39	20.57

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
20
15
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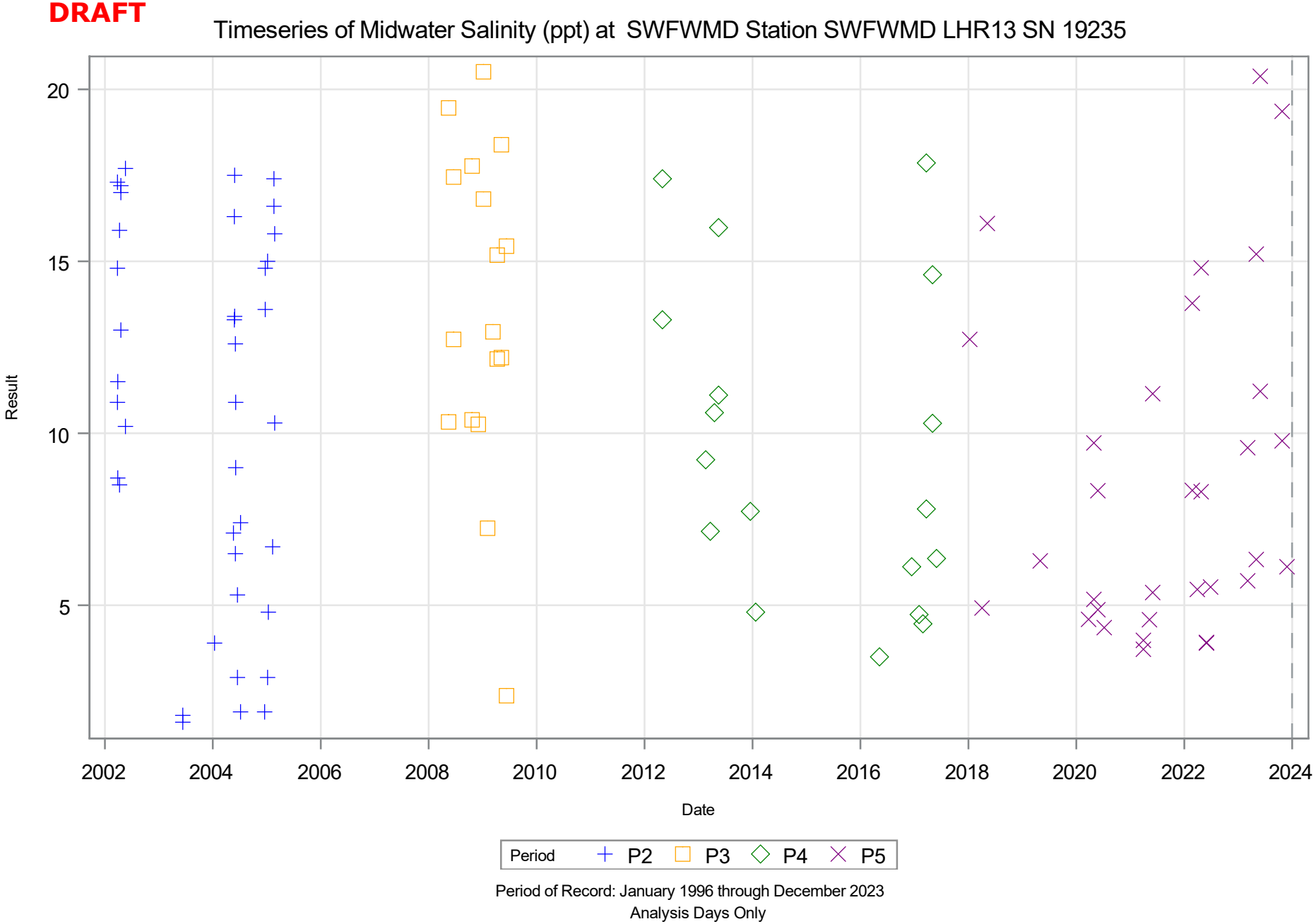
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
20
15
10
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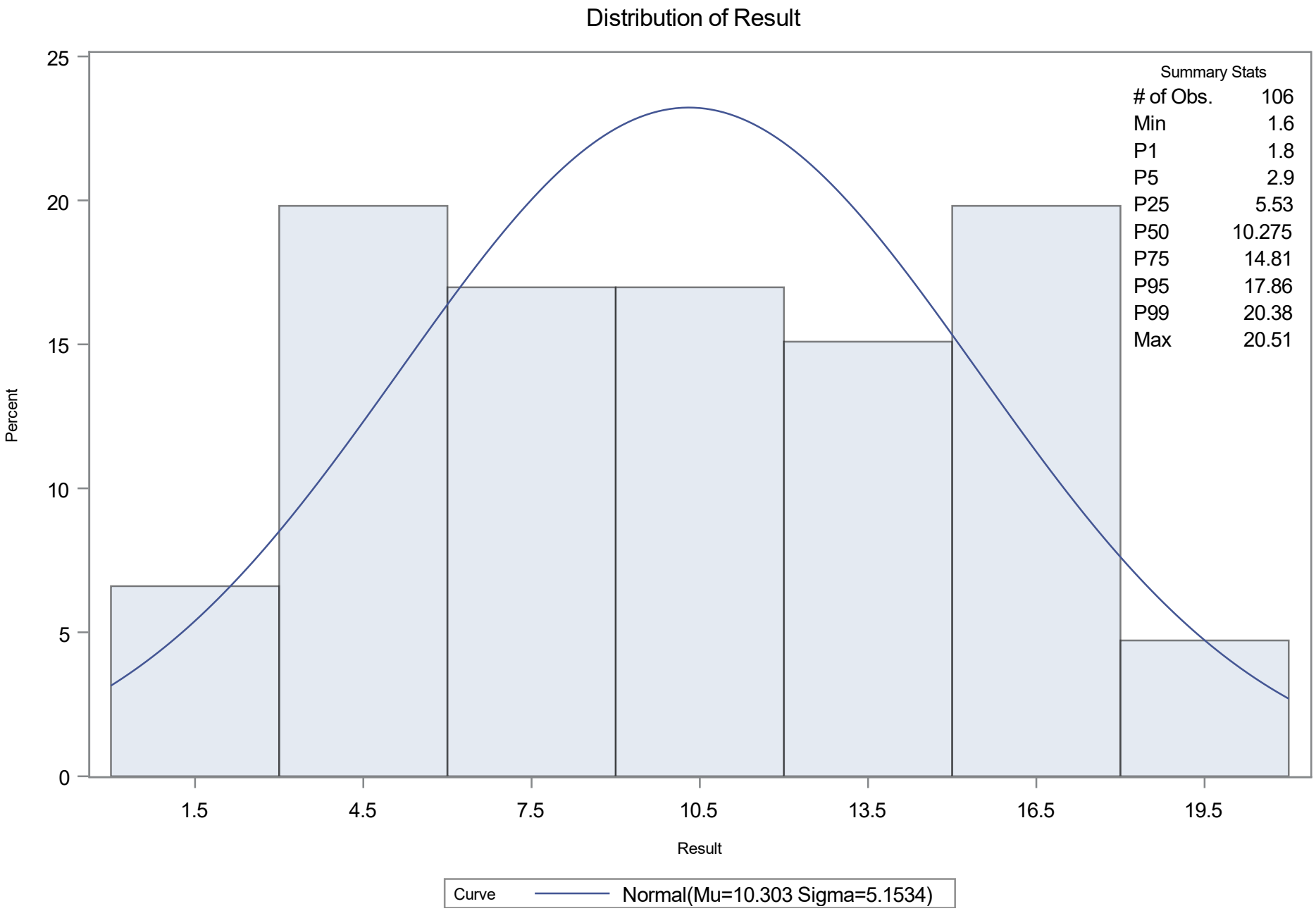
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	10.30349
Std Dev	Sigma	5.153368

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09051546	**Pr > D**	0.032
Cramer-von Mises	**W-Sq**	0.20451374	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.36304369	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.80000	-1.68504
5.0	2.90000	1.82695
10.0	3.90000	3.69918
25.0	5.53000	6.82760
50.0	10.27500	10.30349
75.0	14.81000	13.77938
90.0	17.40000	16.90780
95.0	17.86000	18.78003
99.0	20.38000	22.29202

Period of Record: January 1996 through December 2023
Analysis Days Only

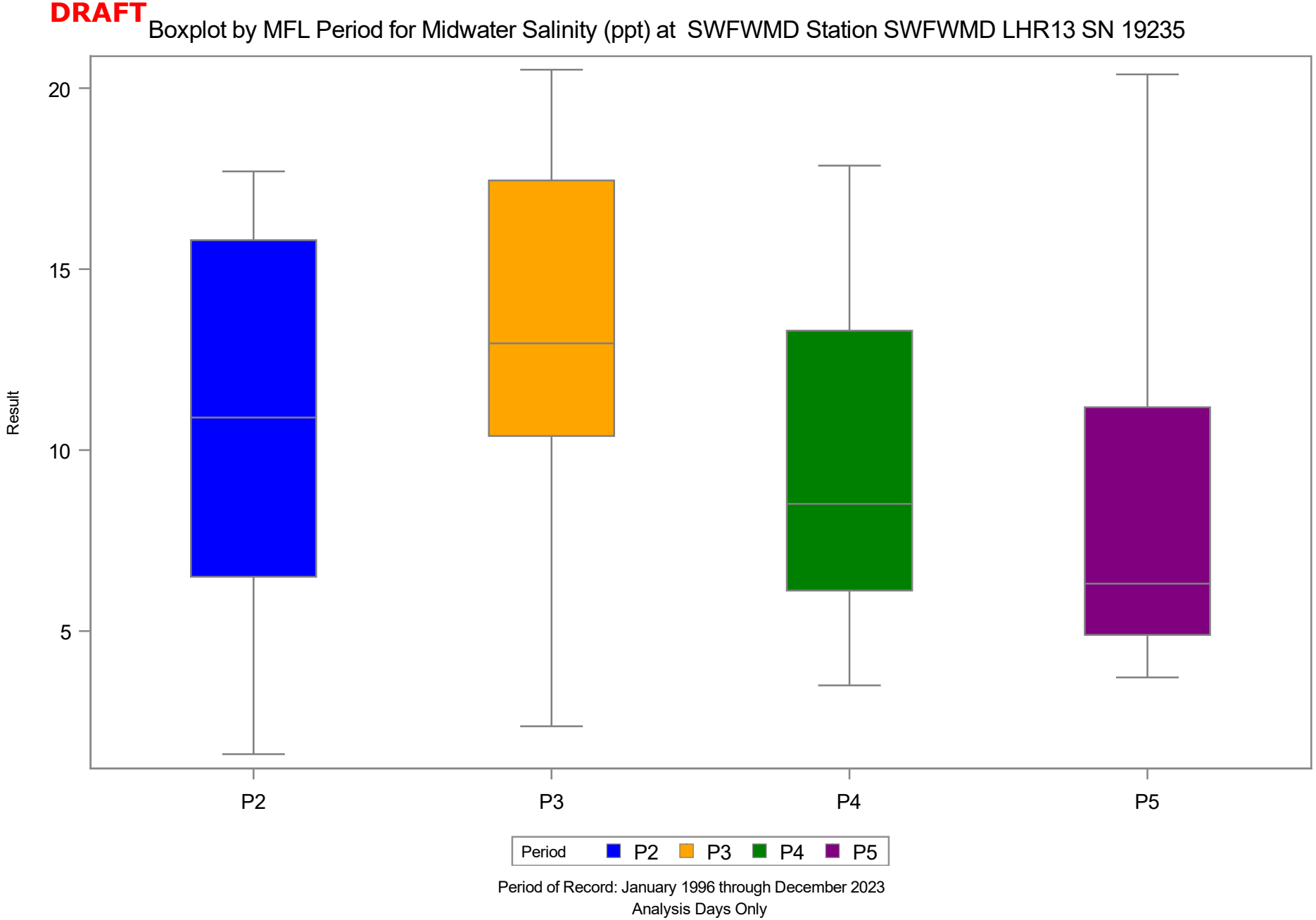
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235

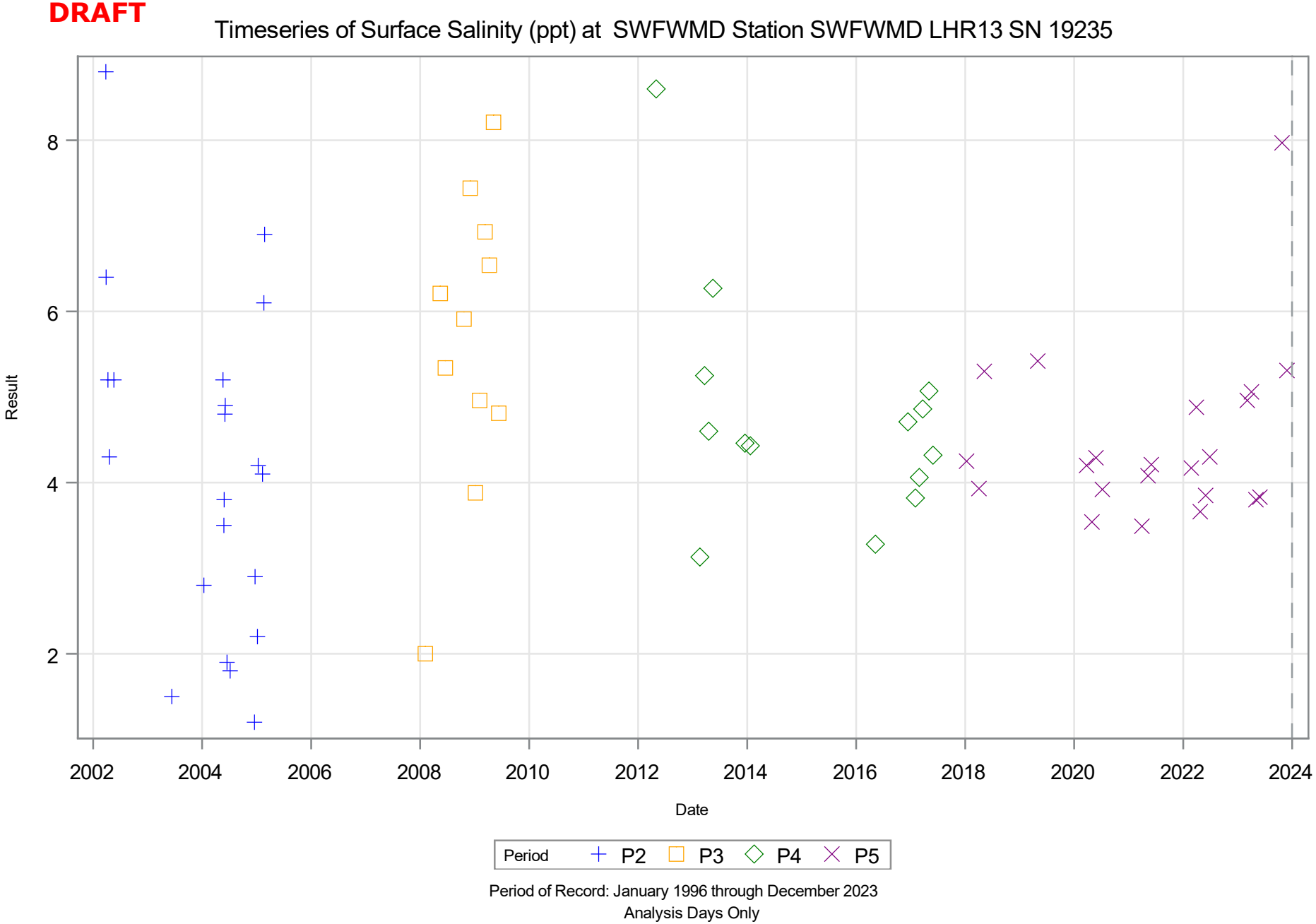
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	39	1.60	6.50	10.61	10.90	15.80	17.70
P3	17	2.37	10.39	13.63	12.95	17.45	20.51
P4	18	3.50	6.12	9.61	8.52	13.30	17.86
P5	32	3.72	4.90	8.55	6.31	11.19	20.38

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
20
15
10
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

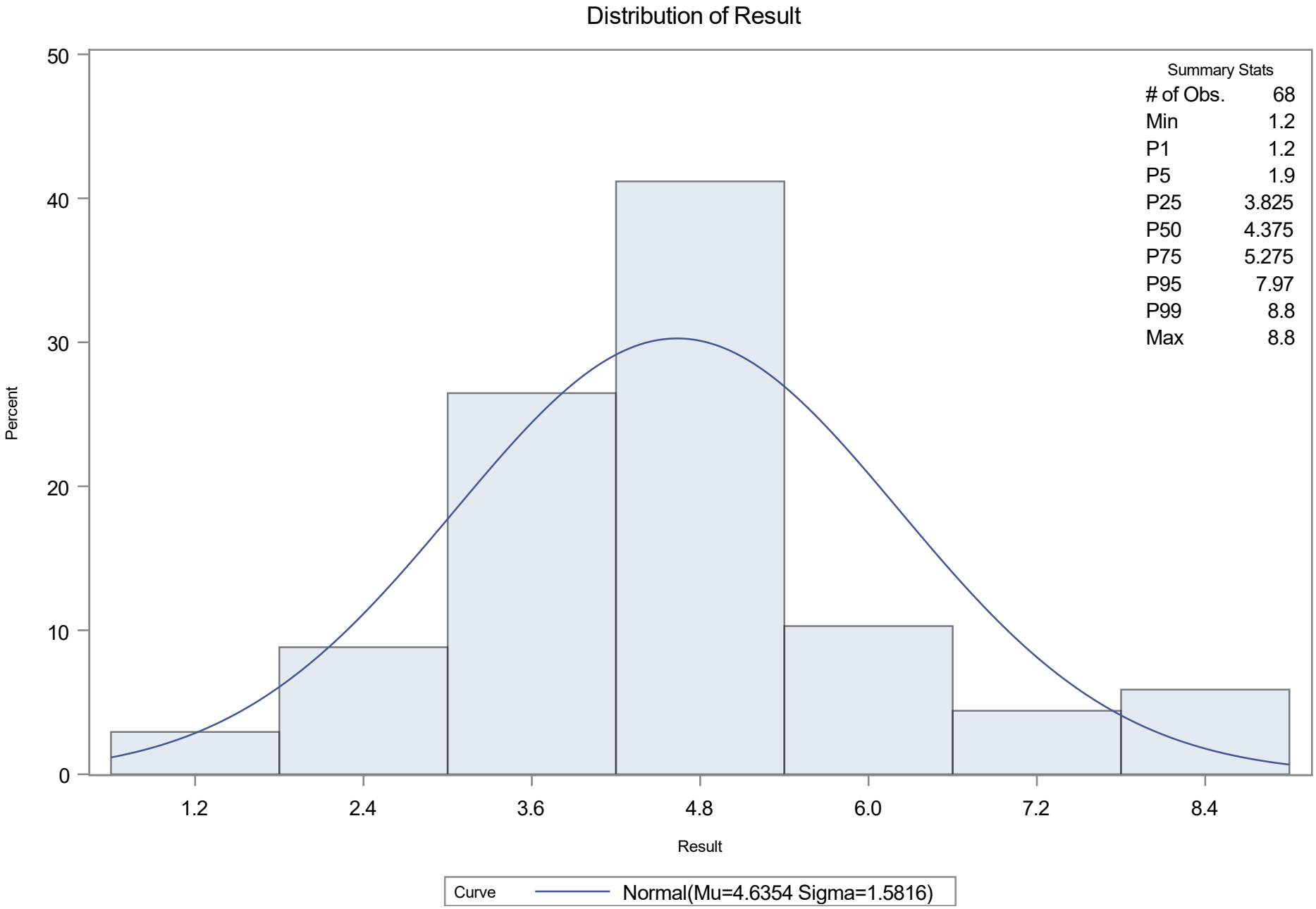
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.635441
Std Dev	Sigma	1.581563

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12210316	**Pr > D**	0.013
Cramer-von Mises	**W-Sq**	0.17892867	**Pr > W-Sq**	0.010
Anderson-Darling	**A-Sq**	1.00387080	**Pr > A-Sq**	0.012

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.20000	0.95618
5.0	1.90000	2.03400
10.0	2.80000	2.60859
25.0	3.82500	3.56869
50.0	4.37500	4.63544
75.0	5.27500	5.70219
90.0	6.90000	6.66230
95.0	7.97000	7.23688
99.0	8.80000	8.31471

Period of Record: January 1996 through December 2023
Analysis Days Only

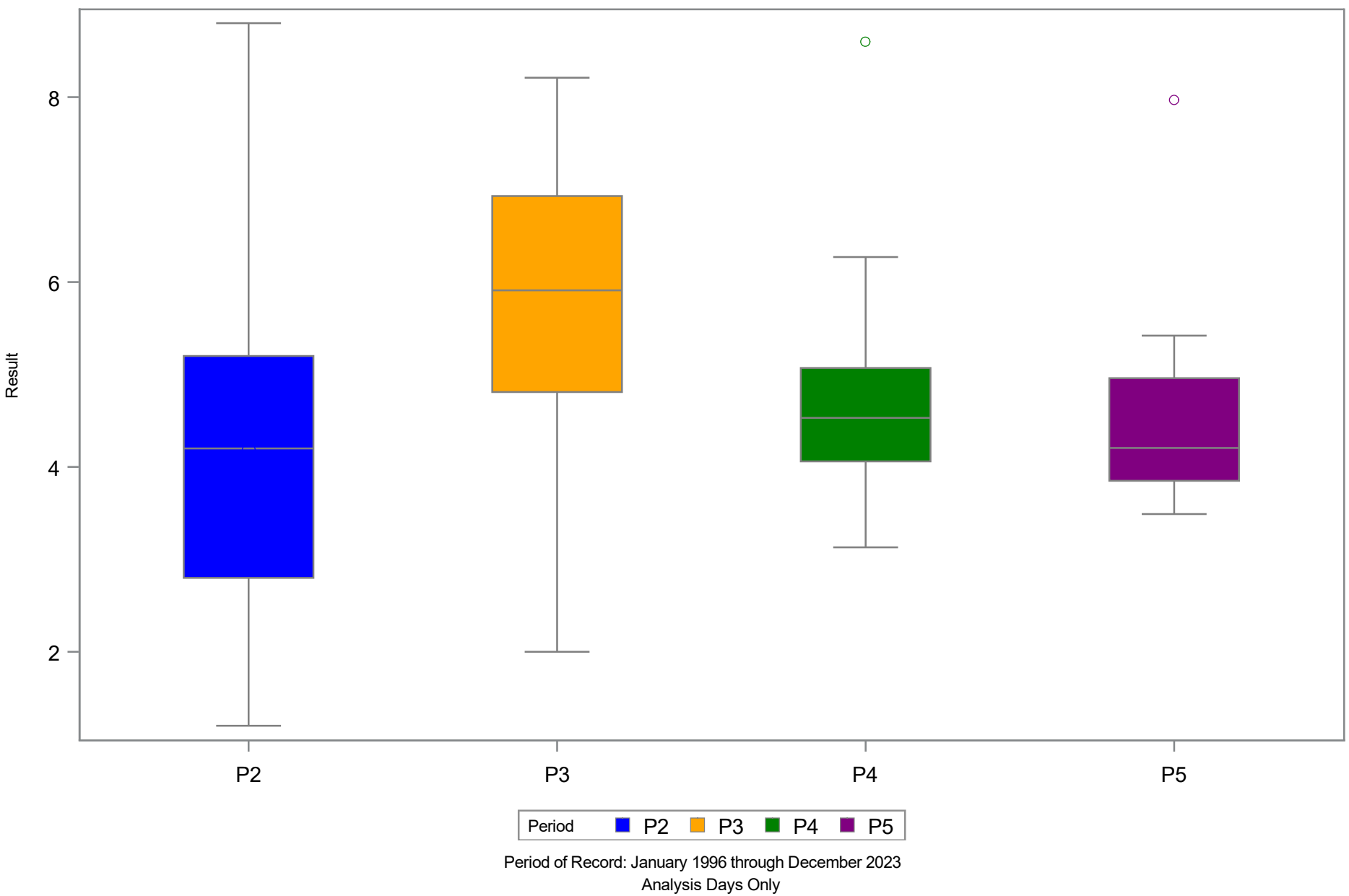
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235

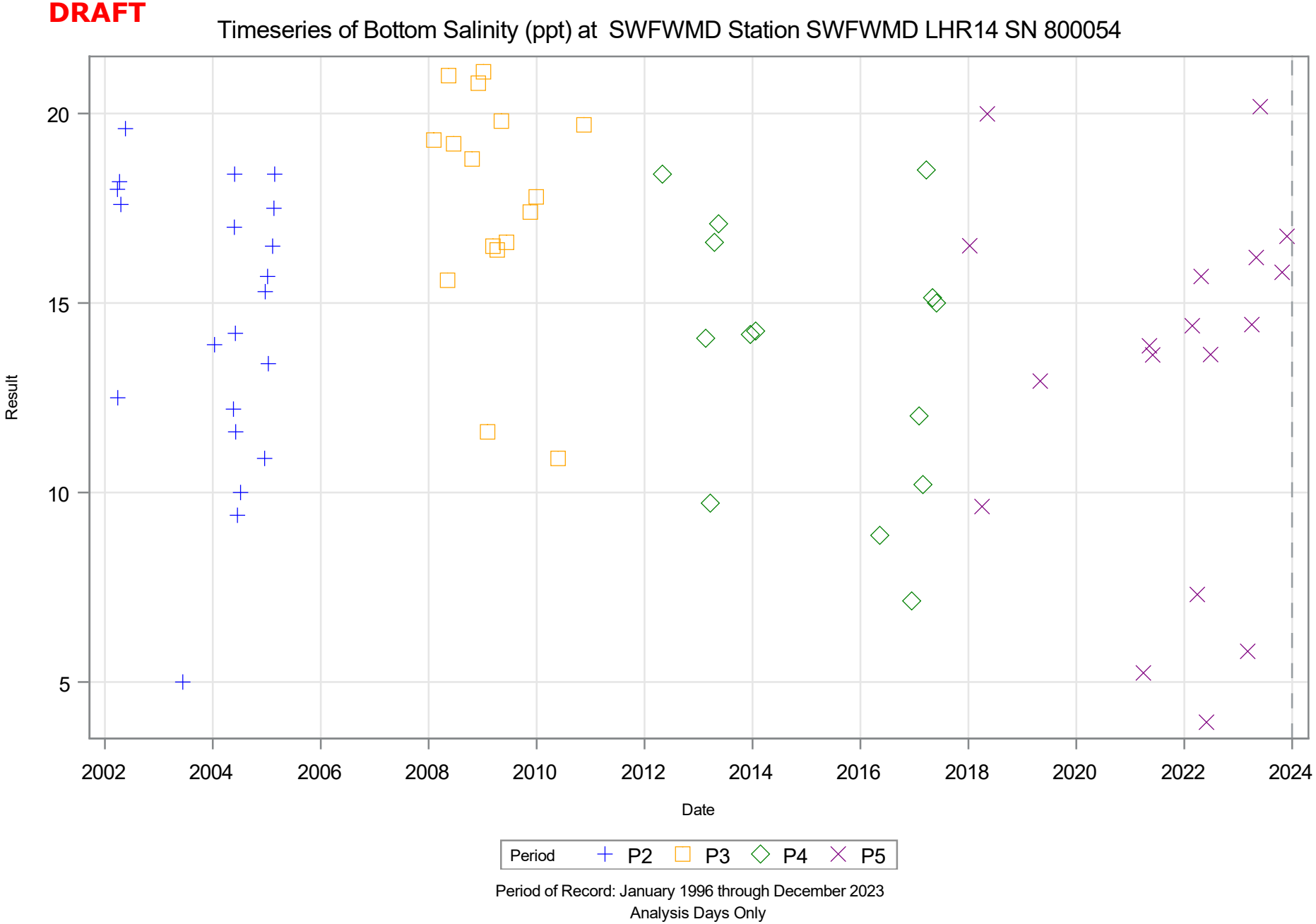
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.20	2.80	4.18	4.20	5.20	8.80
P3	11	2.00	4.81	5.66	5.91	6.93	8.21
P4	14	3.13	4.06	4.78	4.53	5.07	8.60
P5	22	3.49	3.85	4.47	4.21	4.96	7.97

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

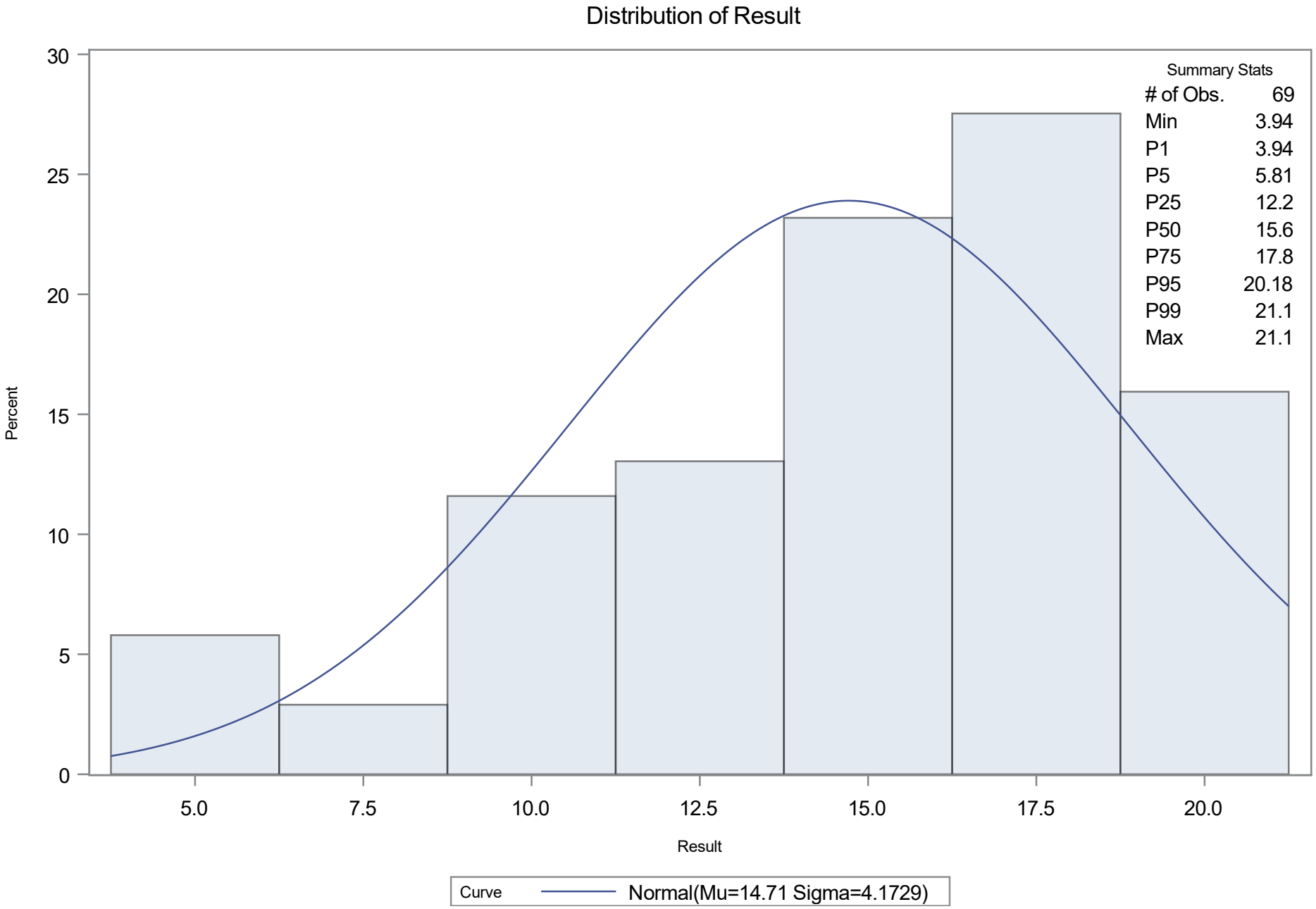
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	14.71
Std Dev	Sigma	4.172854

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09354090	**Pr > D**	0.138
Cramer-von Mises	**W-Sq**	0.14523886	**Pr > W-Sq**	0.027
Anderson-Darling	**A-Sq**	0.93666734	**Pr > A-Sq**	0.018

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	3.94000	5.00249
5.0	5.81000	7.84627
10.0	8.87000	9.36227
25.0	12.20000	11.89545
50.0	15.60000	14.71000
75.0	17.80000	17.52455
90.0	19.70000	20.05773
95.0	20.18000	21.57373
99.0	21.10000	24.41751

Period of Record: January 1996 through December 2023
Analysis Days Only

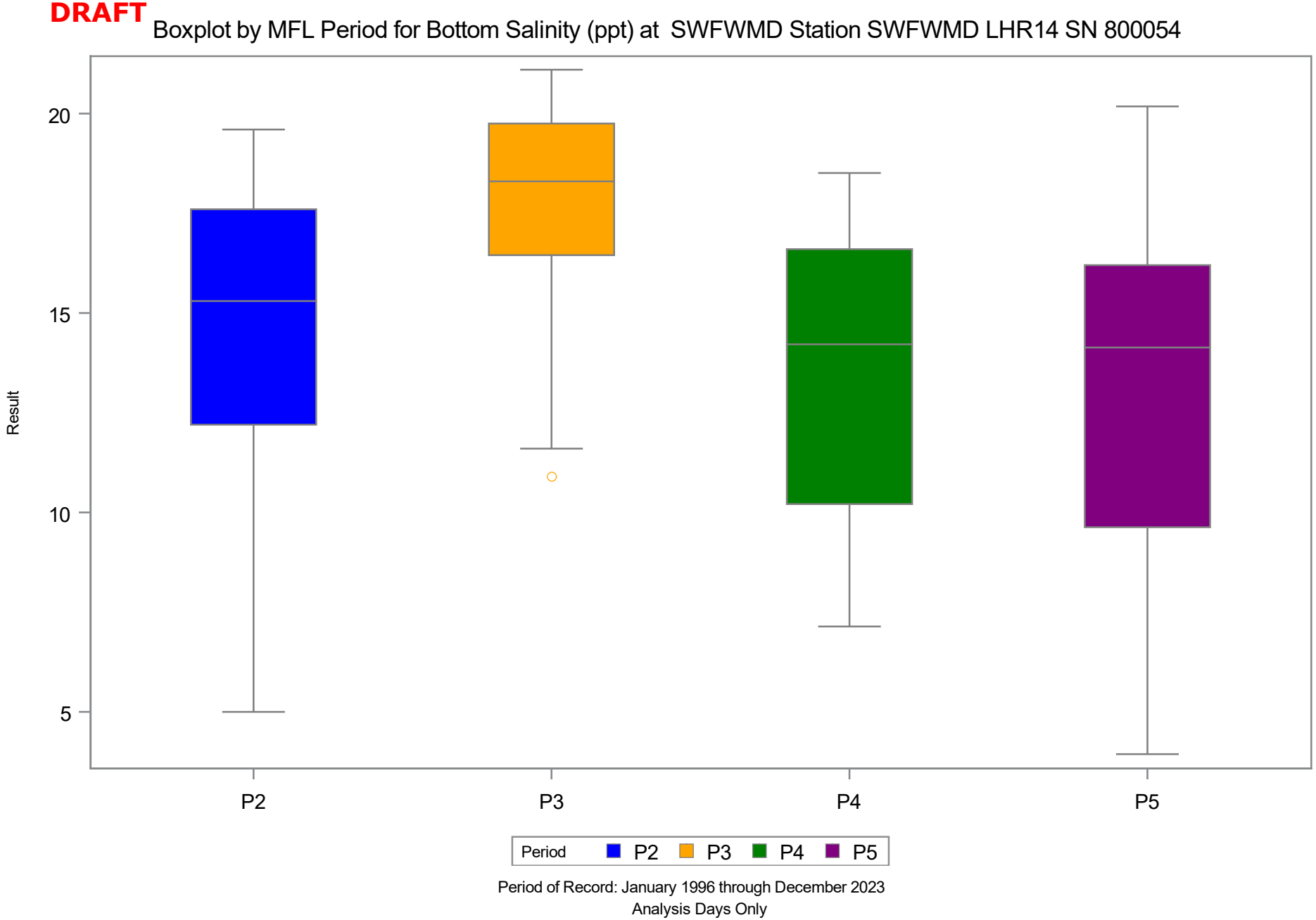
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054

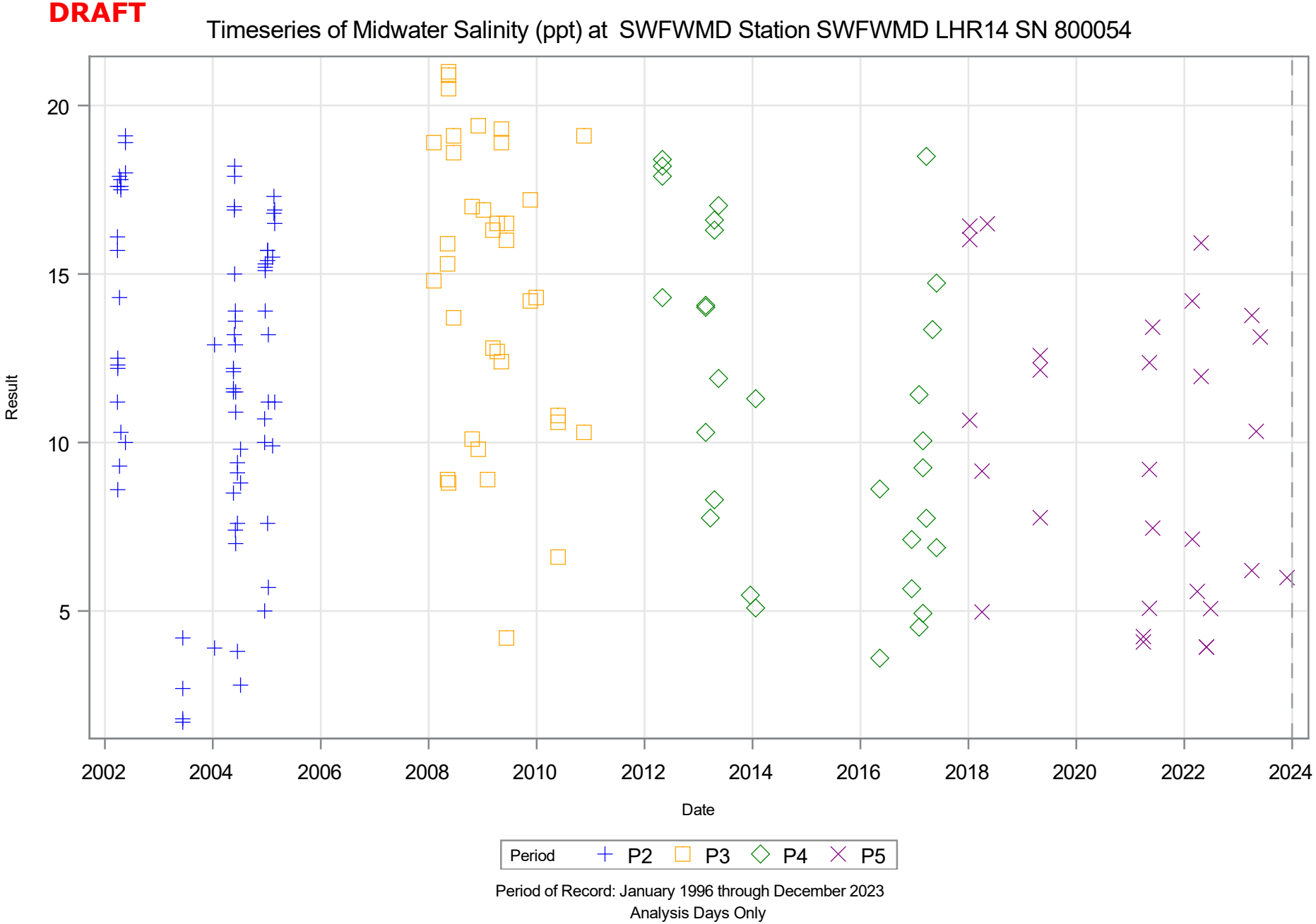
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	5.00	12.20	14.54	15.30	17.60	19.60
P3	16	10.90	16.45	17.66	18.30	19.75	21.10
P4	14	7.14	10.21	13.66	14.22	16.60	18.51
P5	18	3.94	9.63	13.11	14.14	16.20	20.18

Period of Record: January 1996 through December 2023
Analysis Days Only

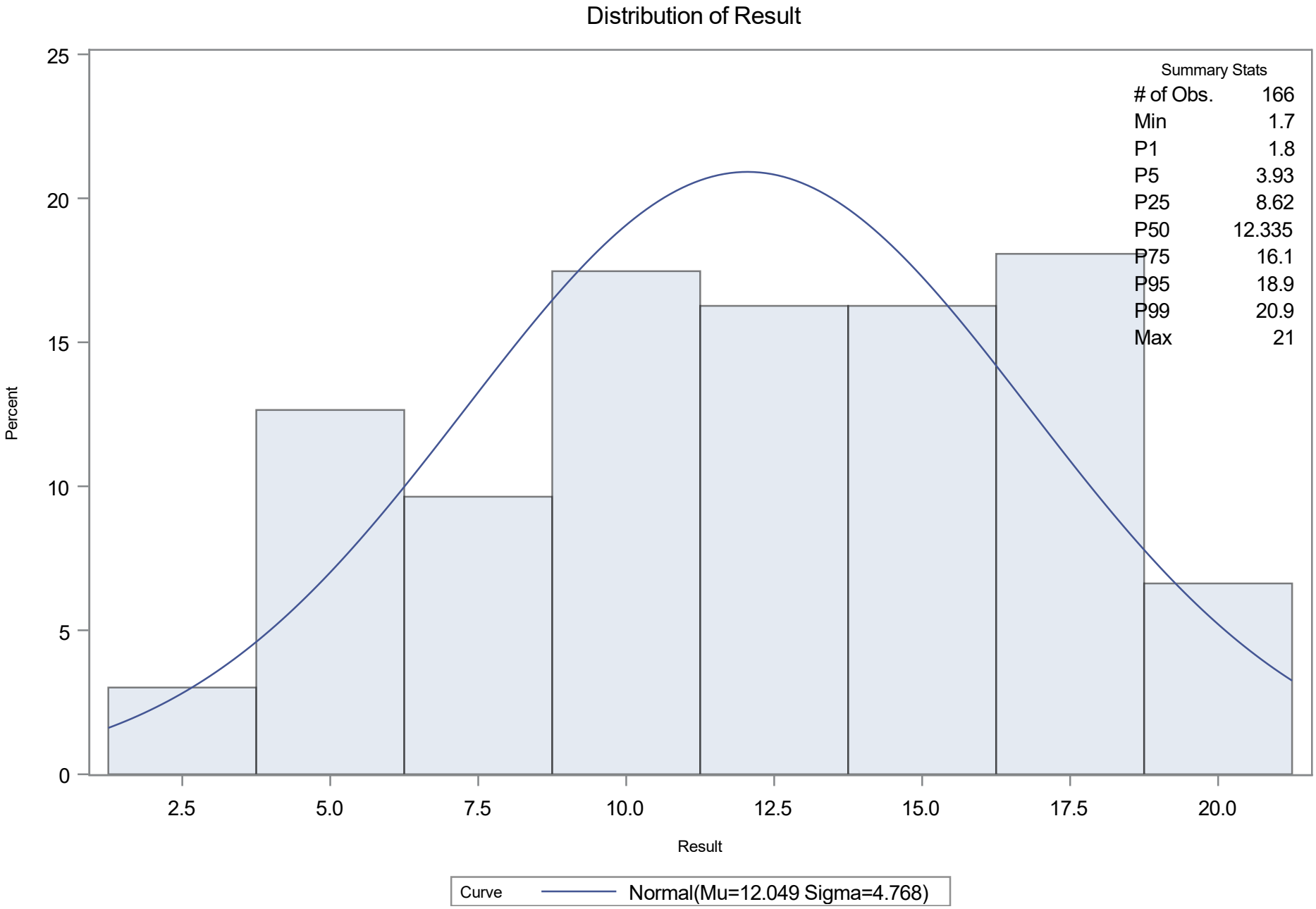
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
20
15
10
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
20
15
10
5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.0494
Std Dev	Sigma	4.768043

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07323532	**Pr > D**	0.028
Cramer-von Mises	**W-Sq**	0.17868076	**Pr > W-Sq**	0.010
Anderson-Darling	**A-Sq**	1.29626237	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.80000	0.95727
5.0	3.93000	4.20666
10.0	5.00000	5.93890
25.0	8.62000	8.83340
50.0	12.33500	12.04940
75.0	16.10000	15.26539
90.0	18.00000	18.15989
95.0	18.90000	19.89213
99.0	20.90000	23.14152

Period of Record: January 1996 through December 2023
Analysis Days Only

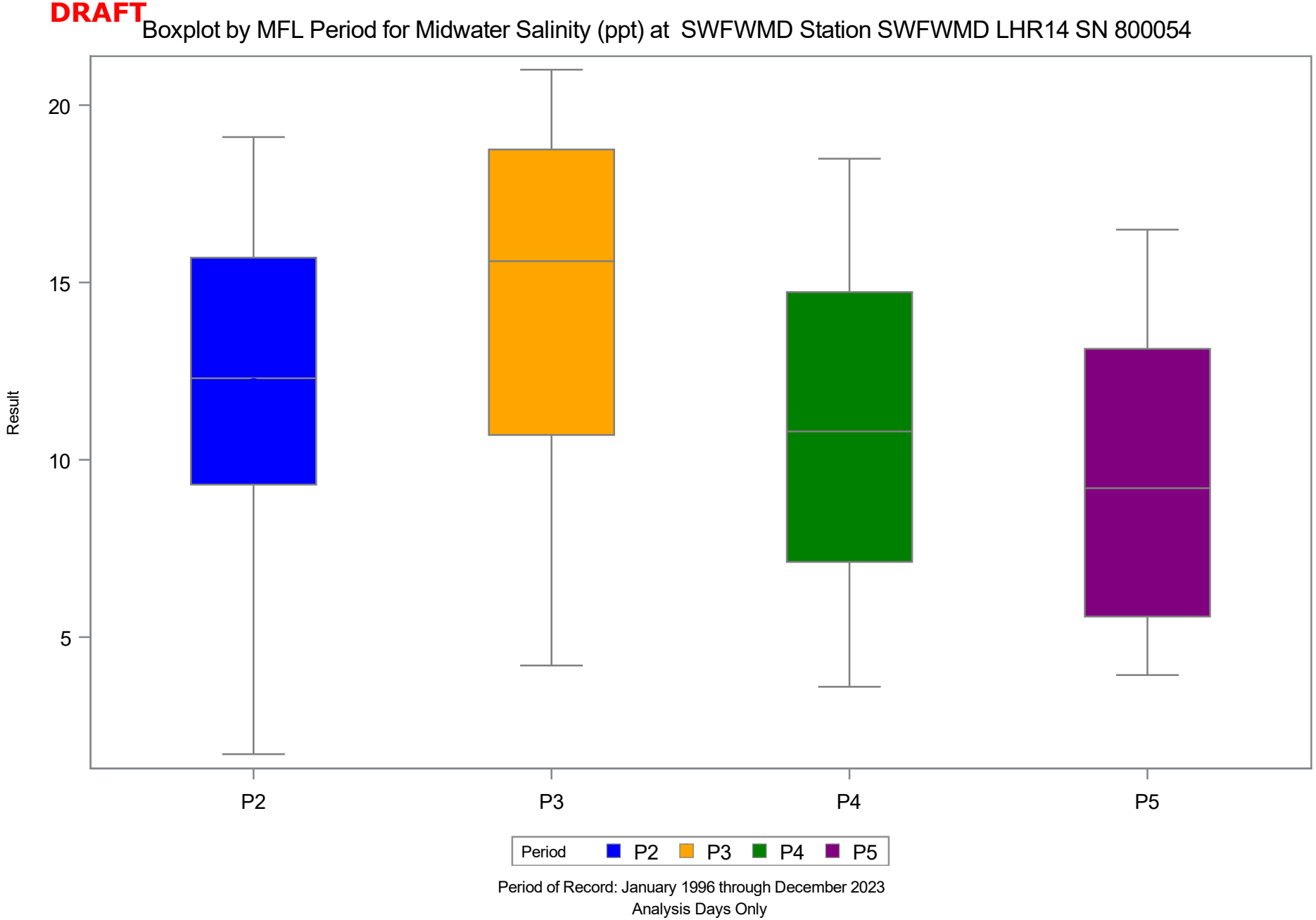
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054

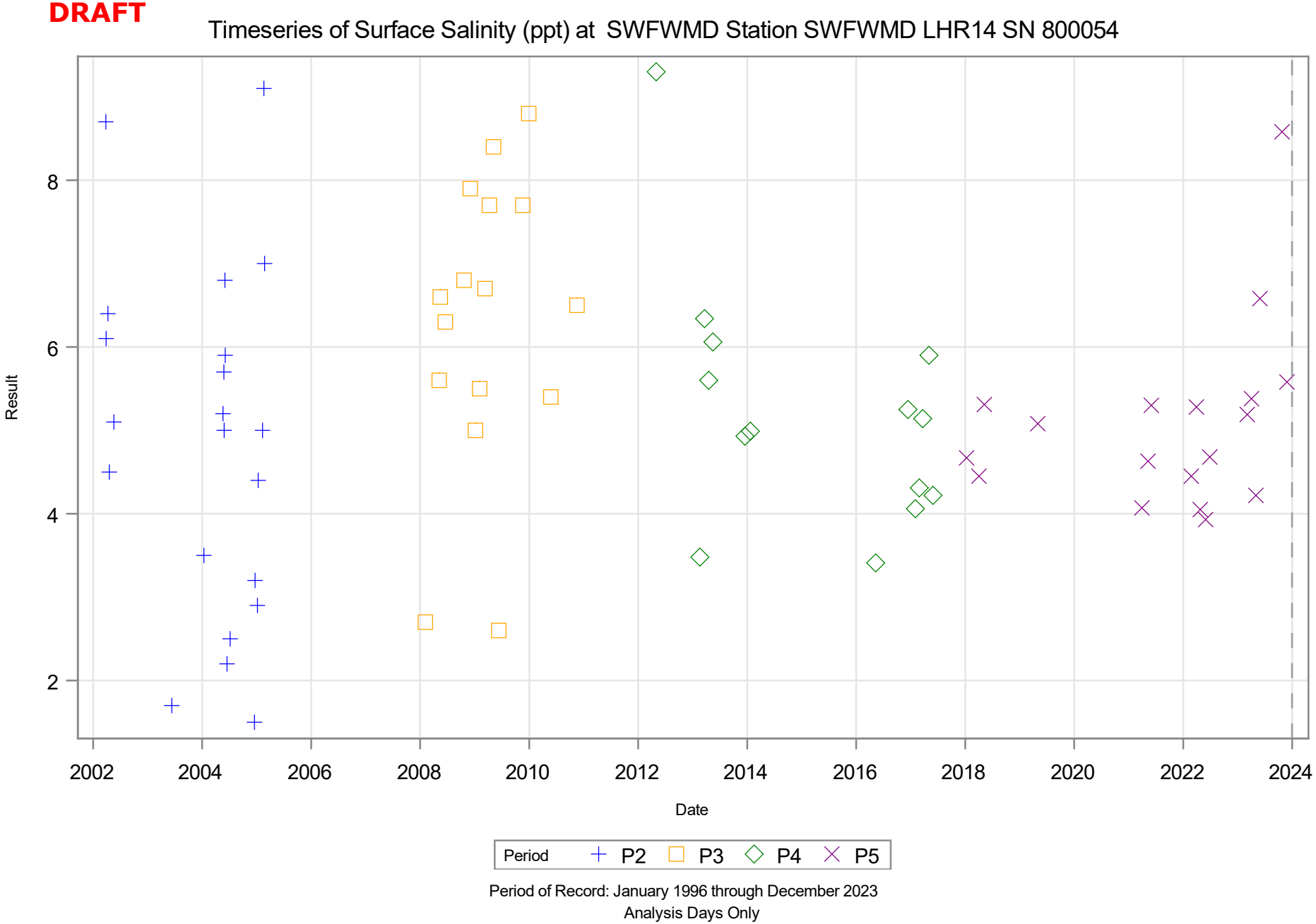
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	71	1.70	9.30	12.12	12.30	15.70	19.10
P3	36	4.20	10.70	14.64	15.60	18.75	21.00
P4	30	3.60	7.12	11.11	10.80	14.73	18.49
P5	29	3.93	5.58	9.63	9.20	13.13	16.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
20
15
10
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

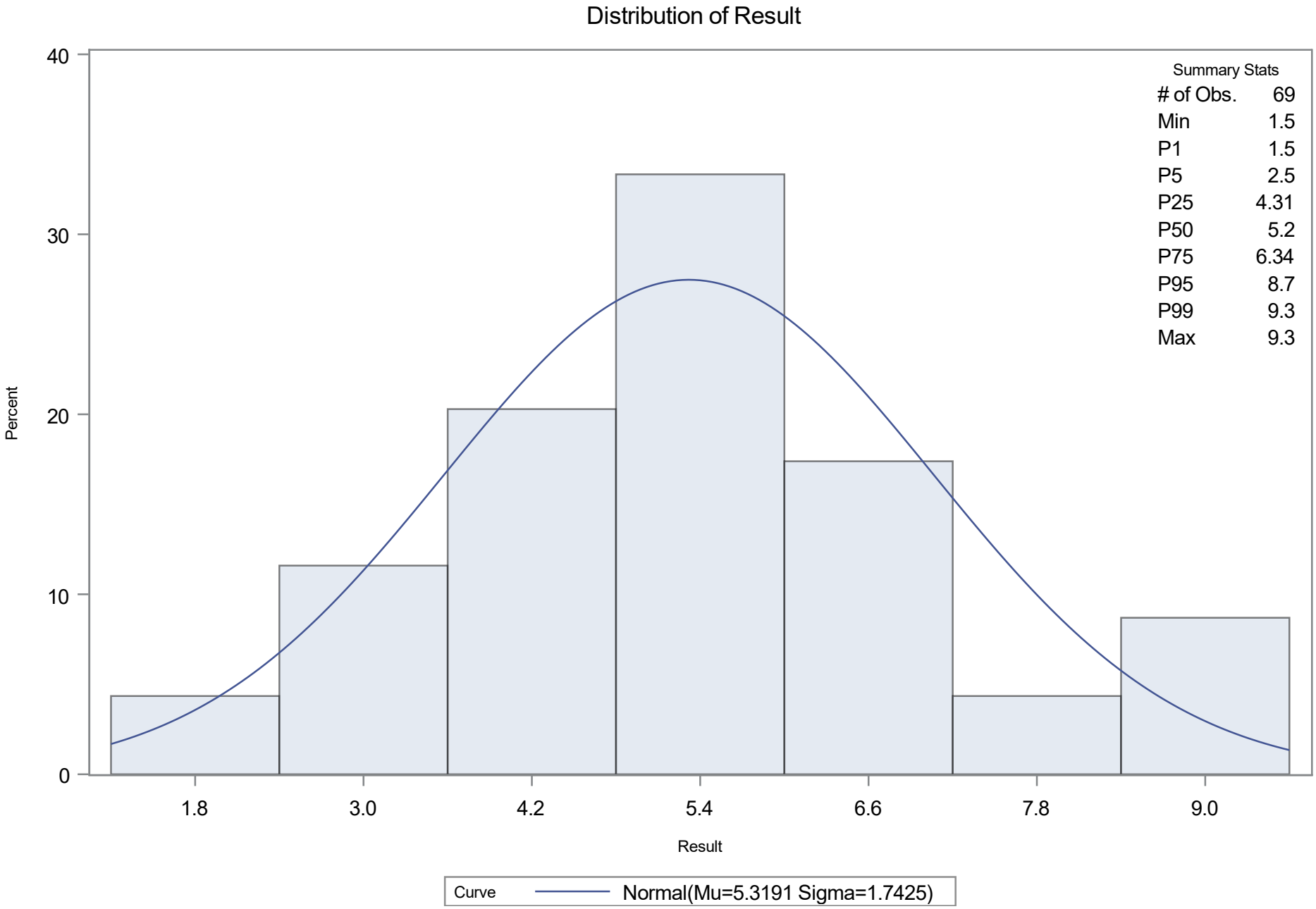
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.31913
Std Dev	Sigma	1.742463

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08814536	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08361542	**Pr > W-Sq**	0.190
Anderson-Darling	**A-Sq**	0.50369842	**Pr > A-Sq**	0.207

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.50000	1.26555
5.0	2.50000	2.45303
10.0	2.90000	3.08607
25.0	4.31000	4.14386
50.0	5.20000	5.31913
75.0	6.34000	6.49440
90.0	7.90000	7.55219
95.0	8.70000	8.18523
99.0	9.30000	9.37271

Period of Record: January 1996 through December 2023
Analysis Days Only

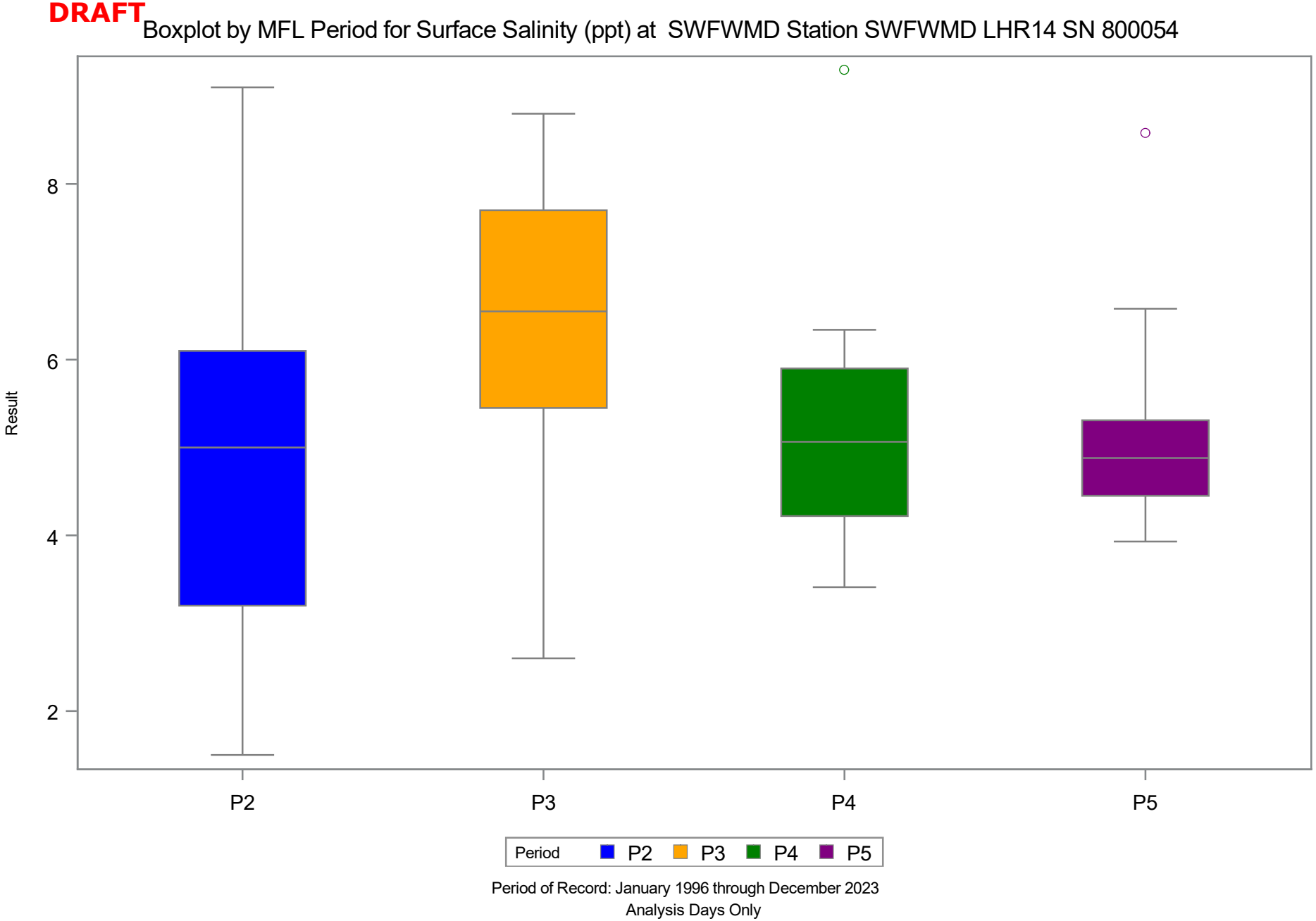
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054

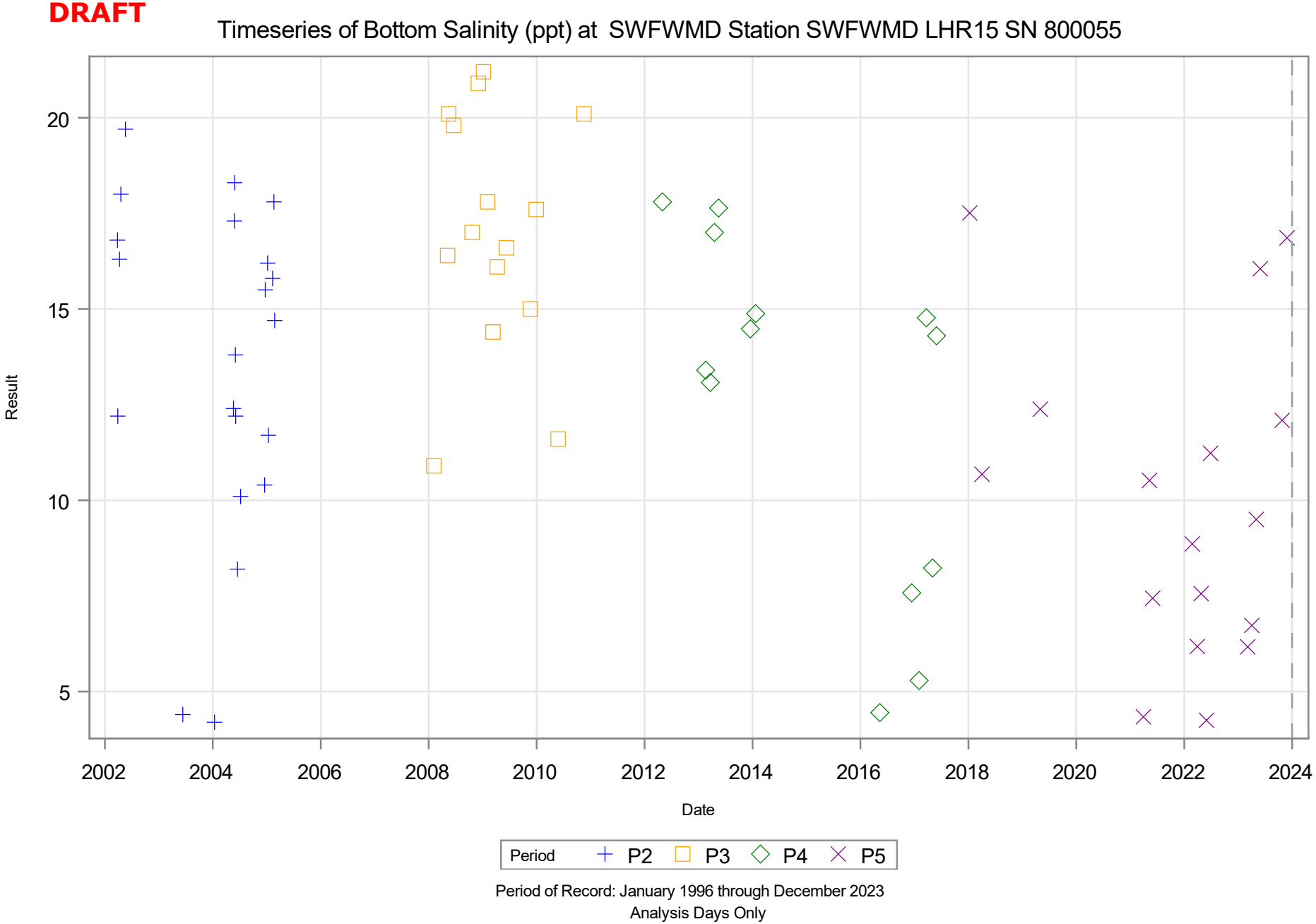
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.50	3.20	4.88	5.00	6.10	9.10
P3	16	2.60	5.45	6.26	6.55	7.70	8.80
P4	14	3.41	4.22	5.21	5.07	5.90	9.30
P5	18	3.93	4.45	5.08	4.88	5.31	8.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

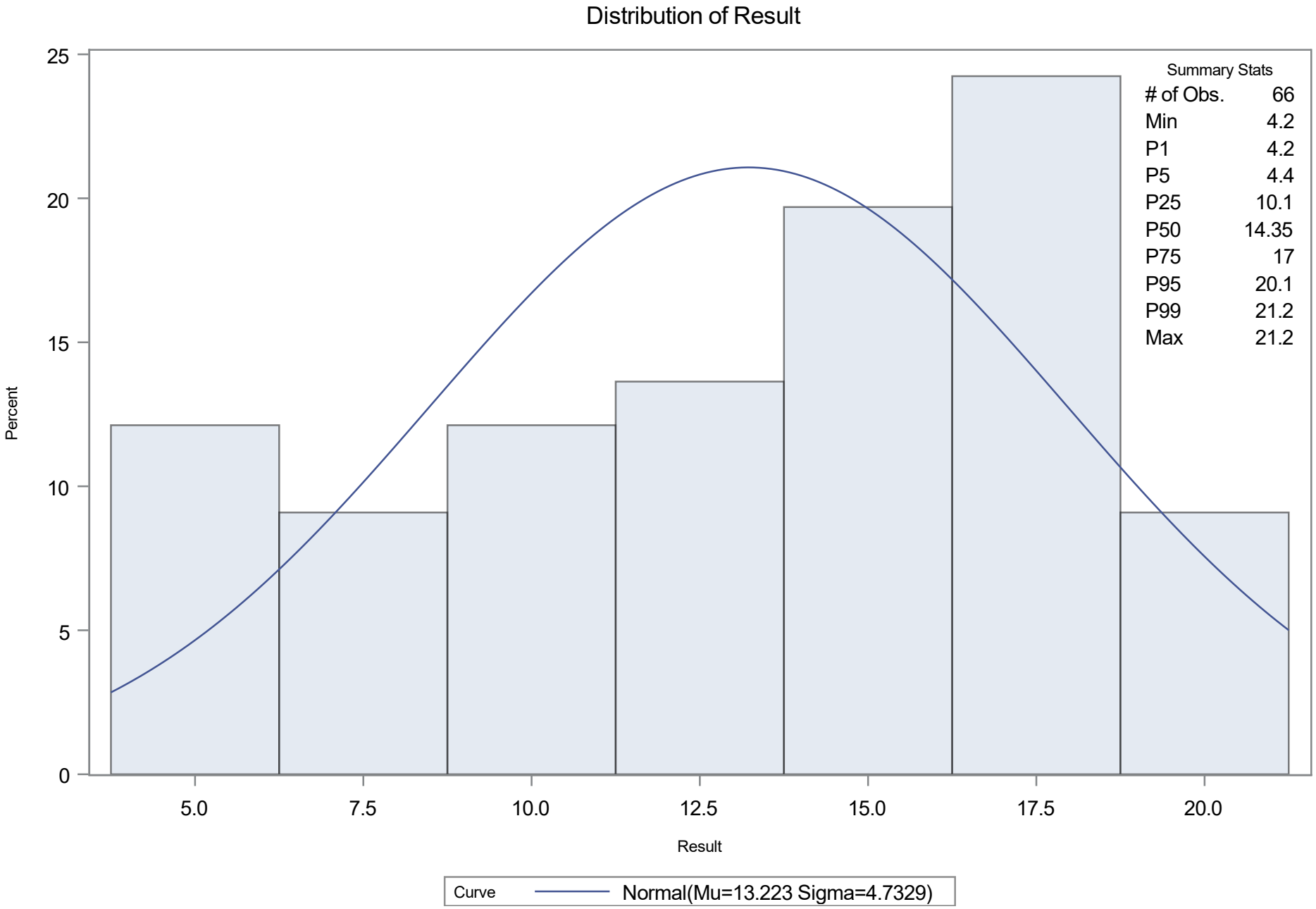

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
20
15
10
5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	13.22348
Std Dev	Sigma	4.732901

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10511598	**Pr > D**	0.070
Cramer-von Mises	**W-Sq**	0.15047242	**Pr > W-Sq**	0.023
Anderson-Darling	**A-Sq**	0.96114097	**Pr > A-Sq**	0.016

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.20000	2.21311
5.0	4.40000	5.43856
10.0	6.17000	7.15803
25.0	10.10000	10.03119
50.0	14.35000	13.22348
75.0	17.00000	16.41578
90.0	18.30000	19.28894
95.0	20.10000	21.00841
99.0	21.20000	24.23386

Period of Record: January 1996 through December 2023
Analysis Days Only

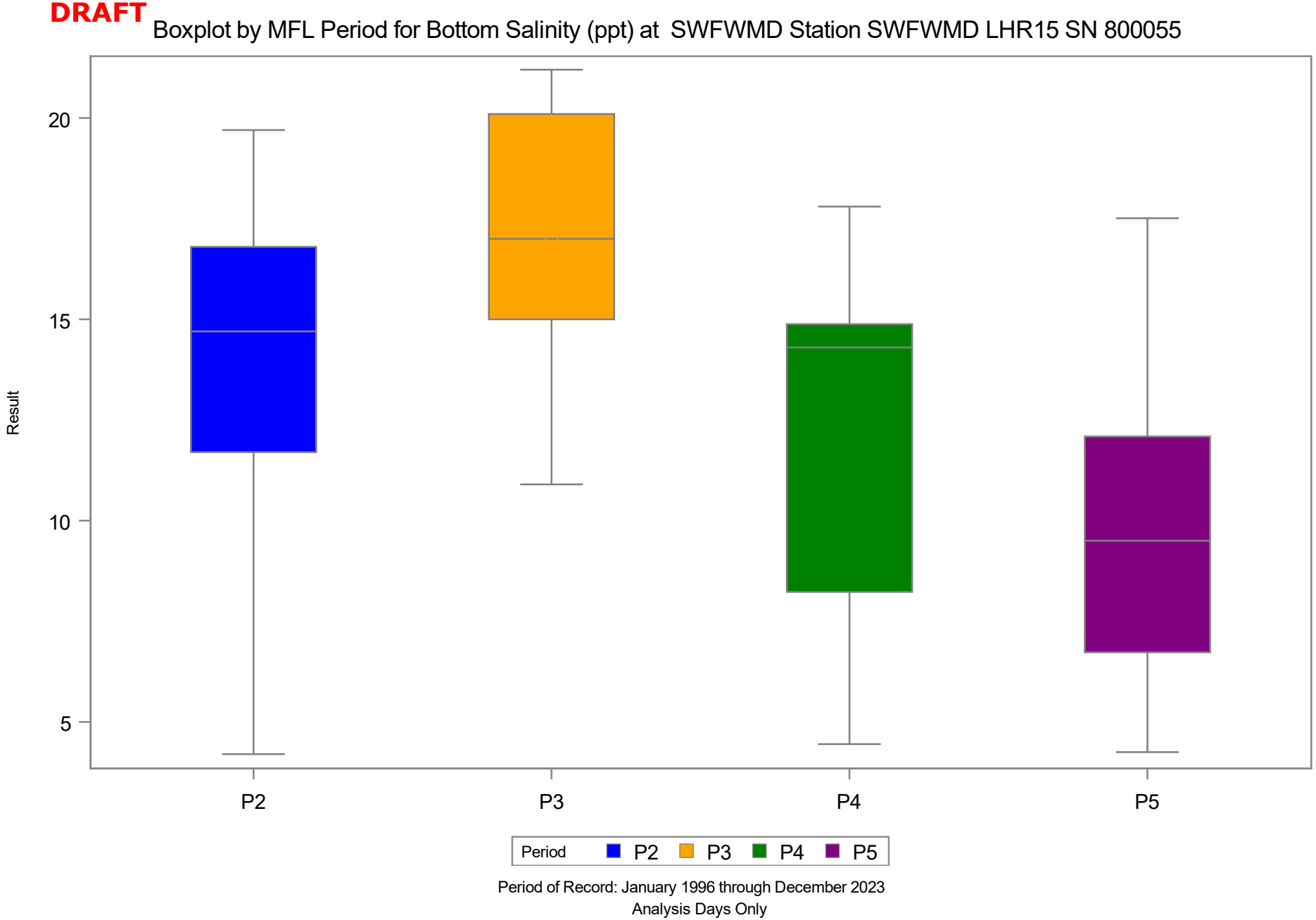
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055

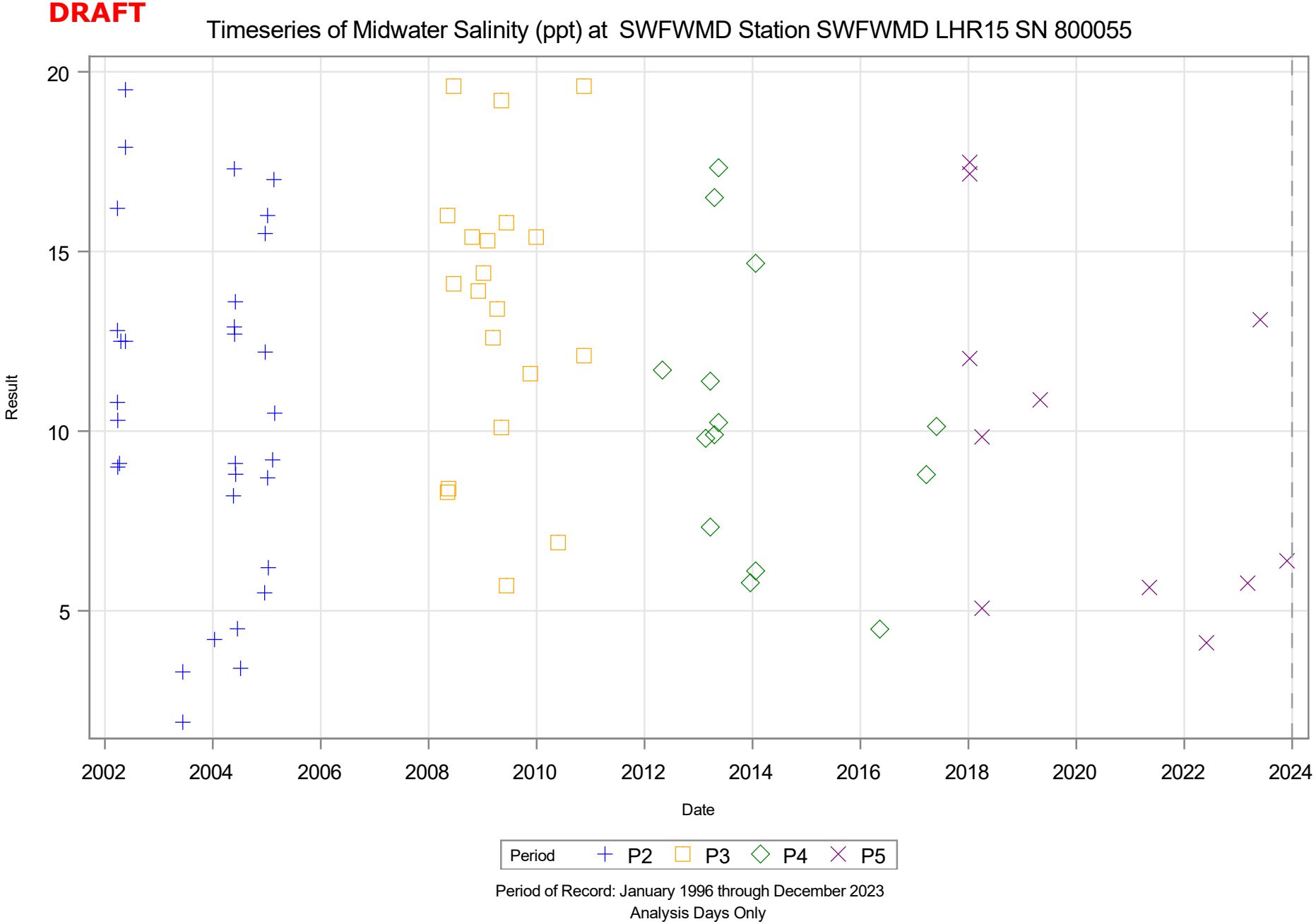
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	4.20	11.70	13.62	14.70	16.80	19.70
P3	15	10.90	15.00	17.03	17.00	20.10	21.20
P4	13	4.45	8.23	12.53	14.30	14.88	17.80
P5	17	4.25	6.73	9.90	9.50	12.09	17.51

Period of Record: January 1996 through December 2023
Analysis Days Only

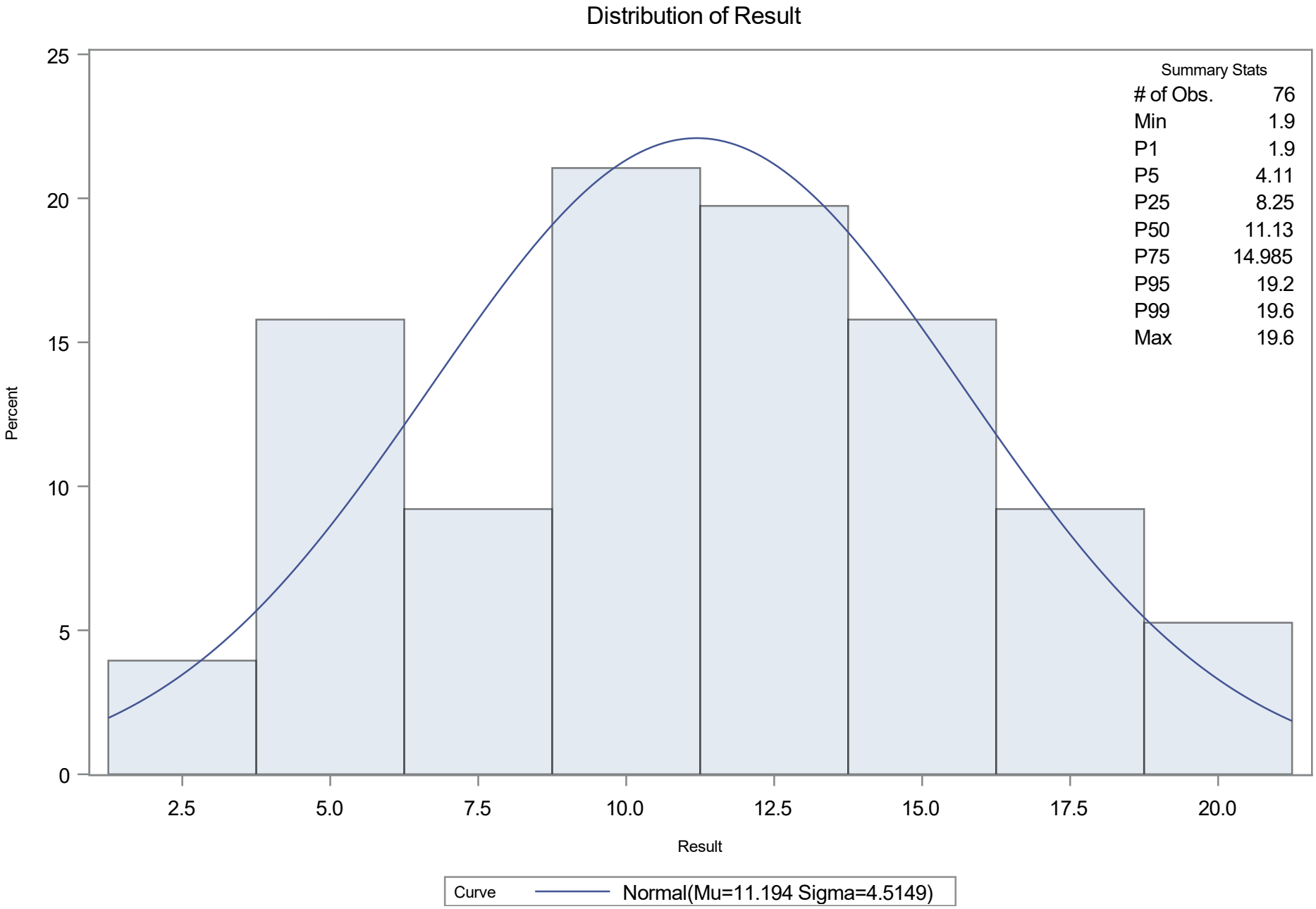
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
20
15
10
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
20
15
10
5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.19368
Std Dev	Sigma	4.514924

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06845643	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04773001	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.38348874	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.90000	0.69040
5.0	4.11000	3.76730
10.0	5.07000	5.40758
25.0	8.25000	8.14841
50.0	11.13000	11.19368
75.0	14.98500	14.23895
90.0	17.30000	16.97979
95.0	19.20000	18.62007
99.0	19.60000	21.69697

Period of Record: January 1996 through December 2023
Analysis Days Only

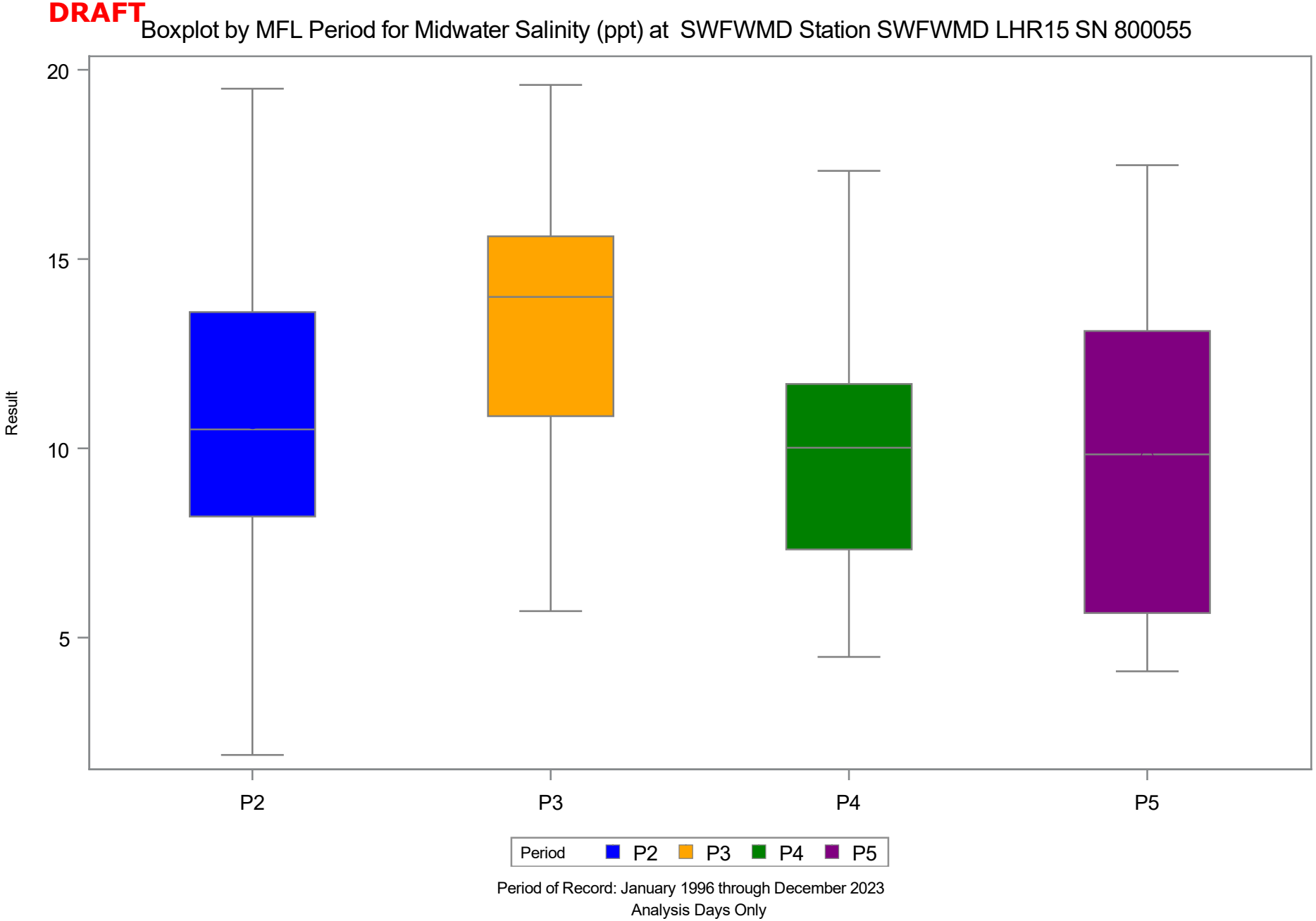
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055

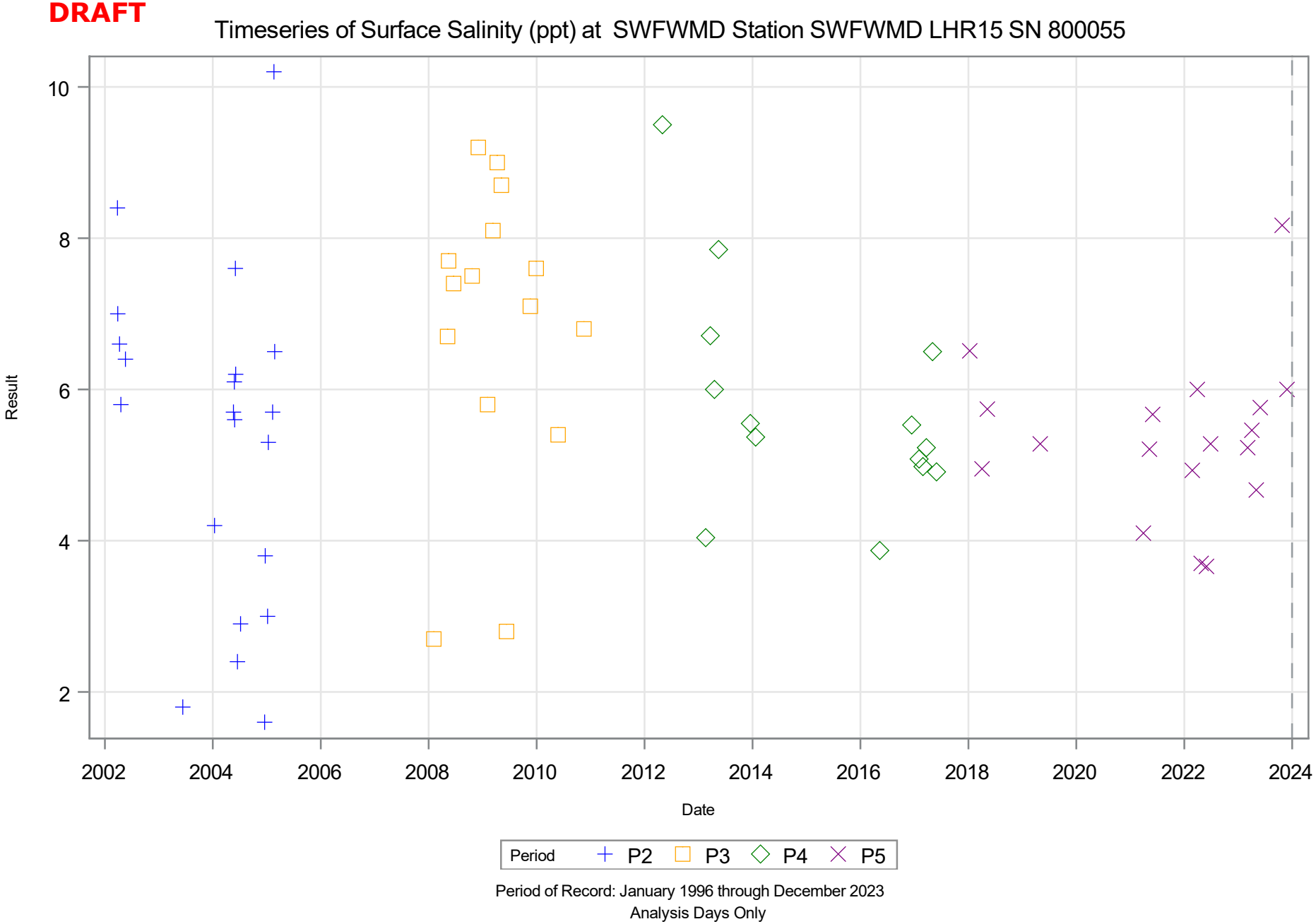
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	31	1.90	8.20	10.69	10.50	13.60	19.50
P3	20	5.70	10.85	13.39	14.00	15.60	19.60
P4	14	4.49	7.33	10.30	10.02	11.70	17.33
P5	11	4.11	5.65	9.77	9.84	13.10	17.48

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

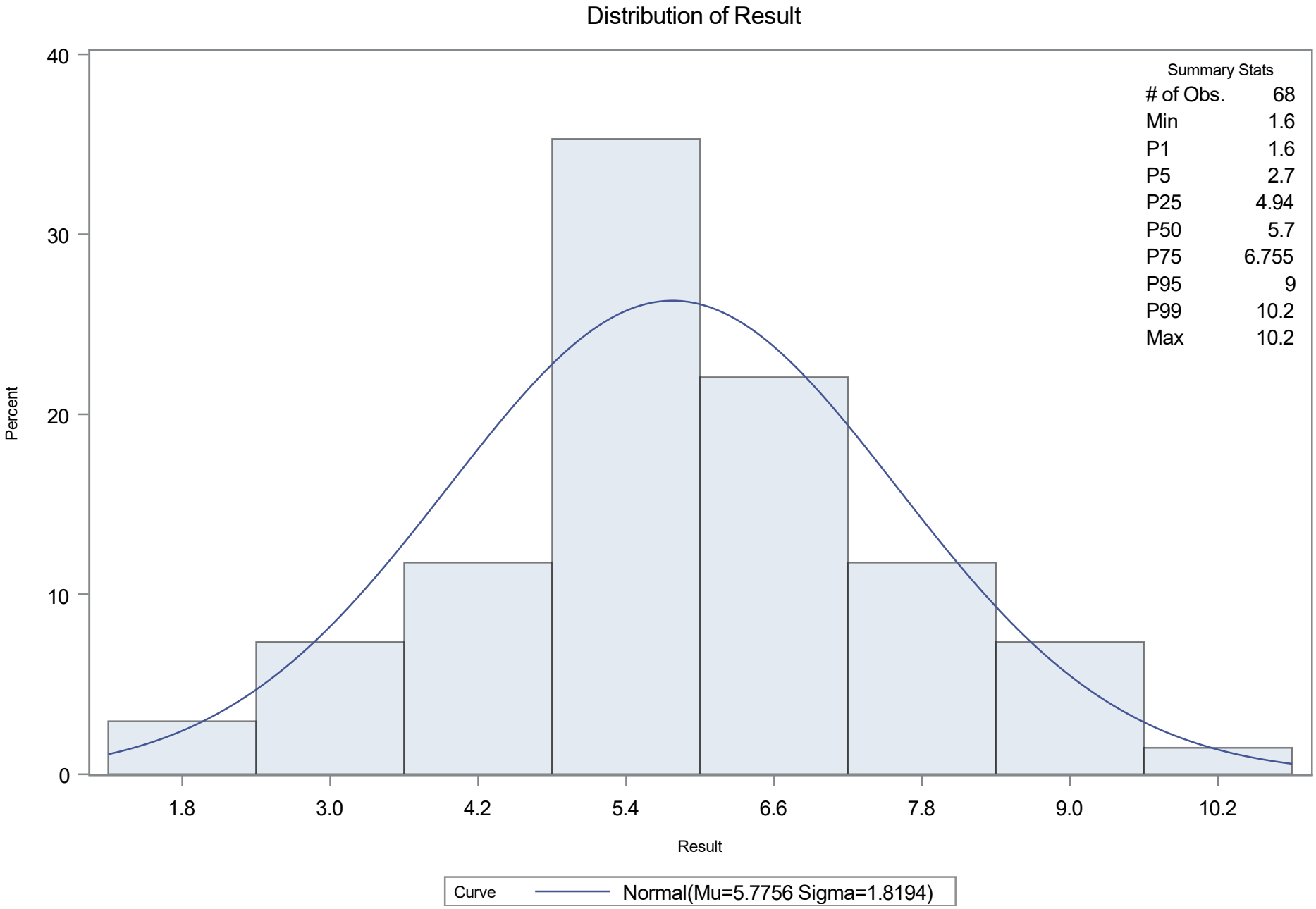

Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
20
15
10
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
10
8
6
4
2
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.775588
Std Dev	Sigma	1.819378

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09653424	**Pr > D**	0.116
Cramer-von Mises	**W-Sq**	0.08361438	**Pr > W-Sq**	0.190
Anderson-Darling	**A-Sq**	0.42451513	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.60000	1.54308
5.0	2.70000	2.78298
10.0	3.00000	3.44396
25.0	4.94000	4.54844
50.0	5.70000	5.77559
75.0	6.75500	7.00274
90.0	8.17000	8.10721
95.0	9.00000	8.76820
99.0	10.20000	10.00809

Period of Record: January 1996 through December 2023
Analysis Days Only

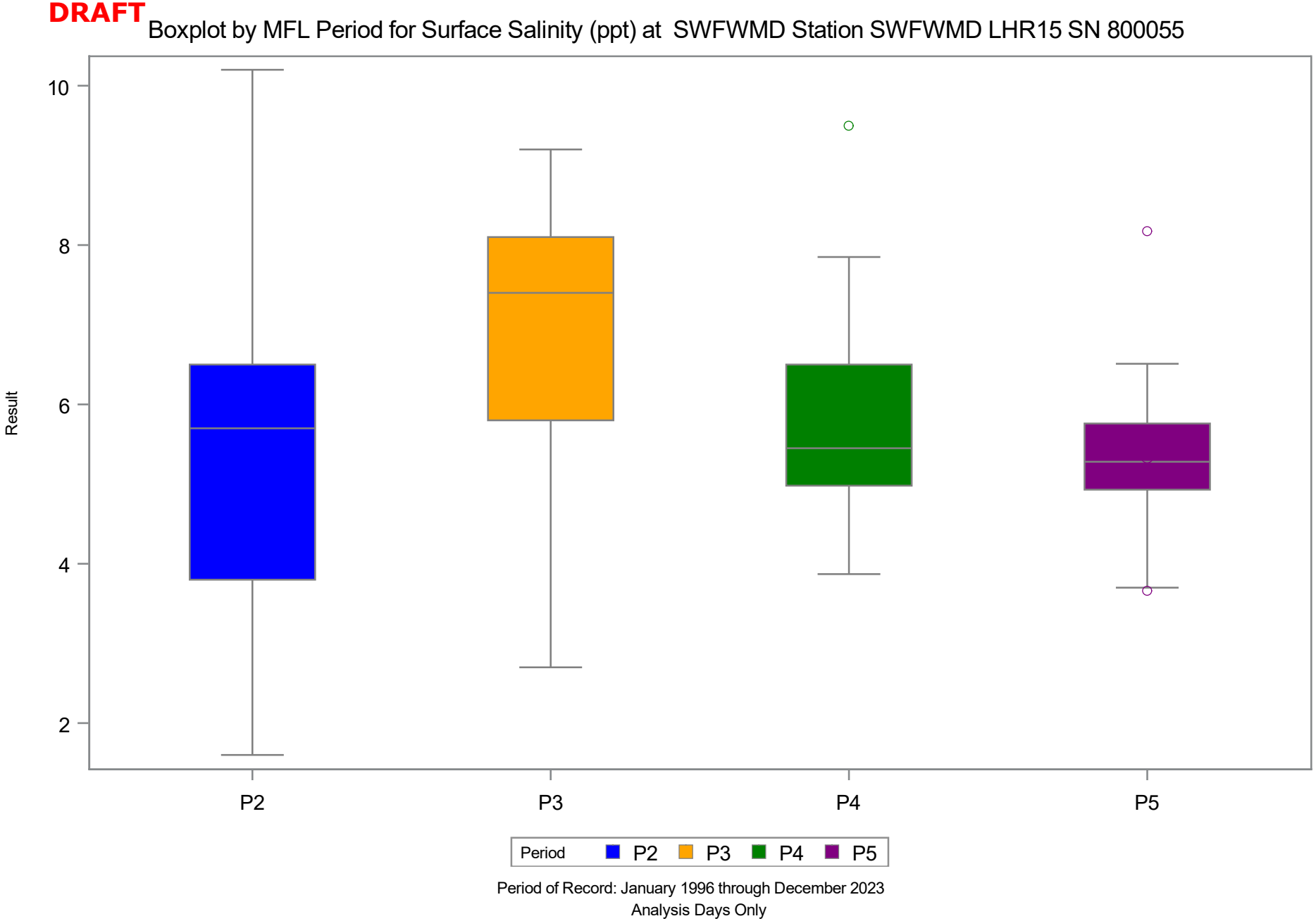
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055

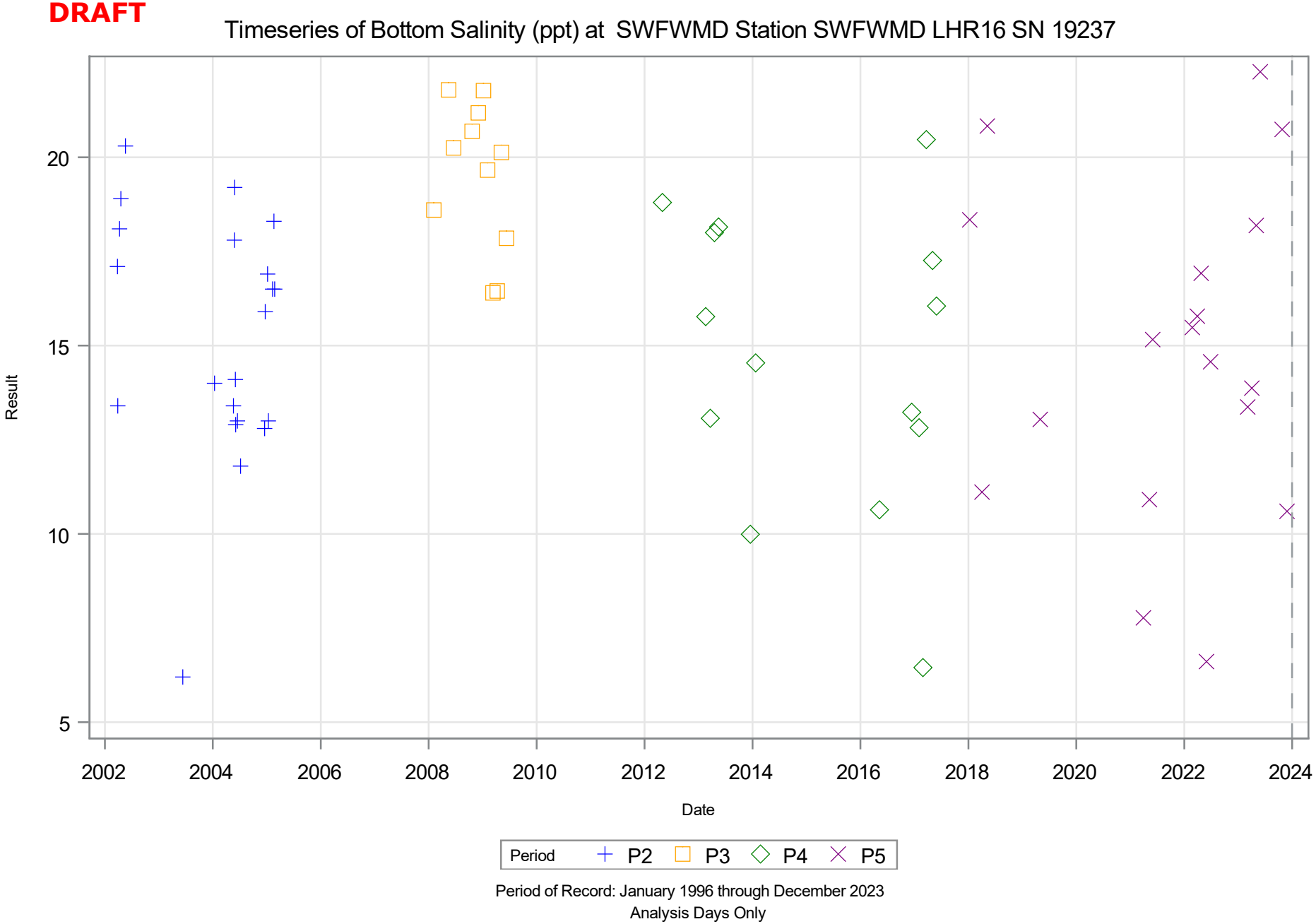
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	1.60	3.80	5.37	5.70	6.50	10.20
P3	15	2.70	5.80	6.83	7.40	8.10	9.20
P4	14	3.87	4.98	5.79	5.45	6.50	9.50
P5	18	3.66	4.93	5.35	5.28	5.76	8.17

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
10
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

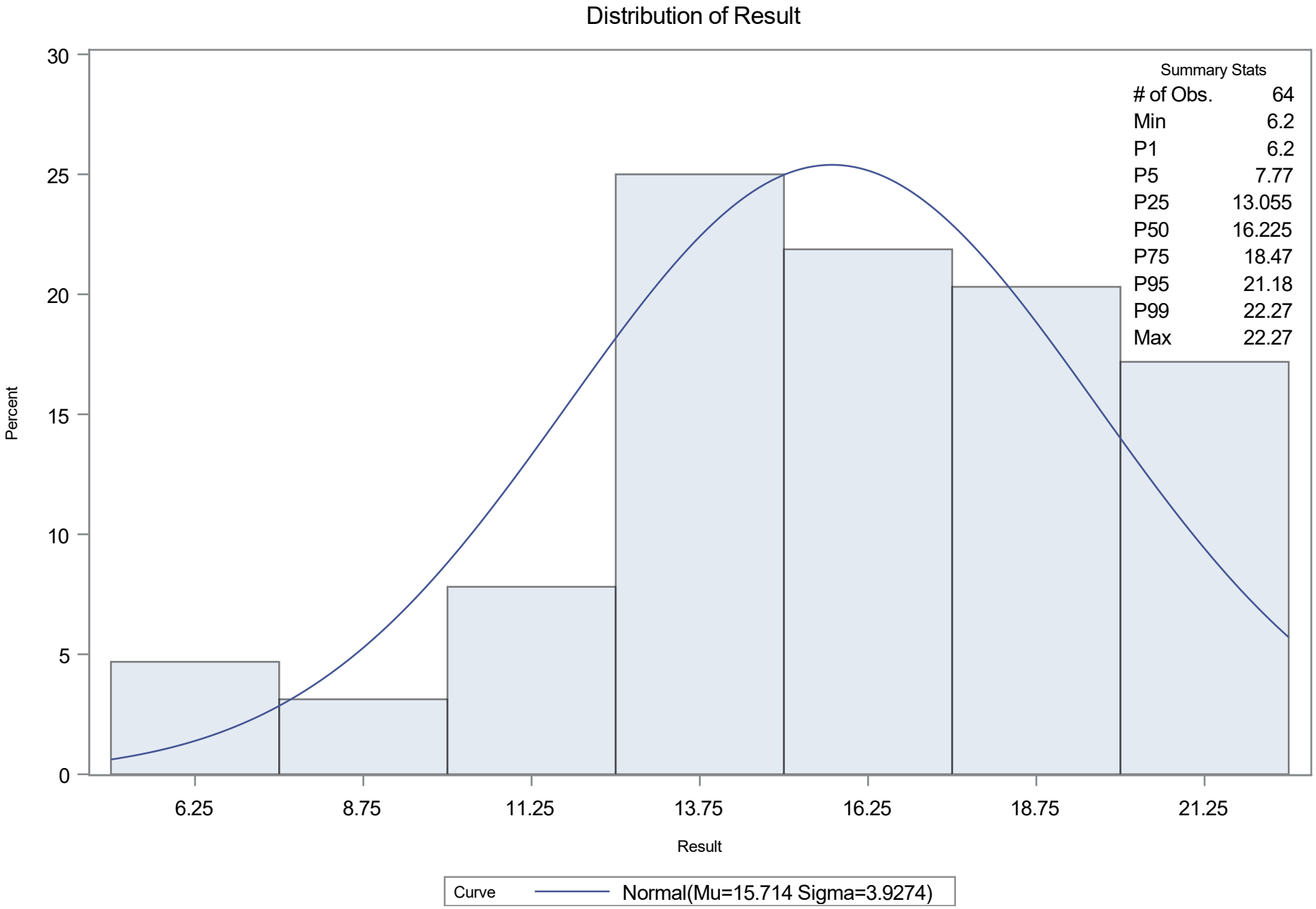
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.71359
Std Dev	Sigma	3.927444

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07737295	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06936715	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.52667918	**Pr > A-Sq**	0.181

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	6.20000	6.57699
5.0	7.77000	9.25352
10.0	10.64000	10.68037
25.0	13.05500	13.06457
50.0	16.22500	15.71359
75.0	18.47000	18.36261
90.0	20.69000	20.74682
95.0	21.18000	22.17366
99.0	22.27000	24.85019

Period of Record: January 1996 through December 2023
Analysis Days Only

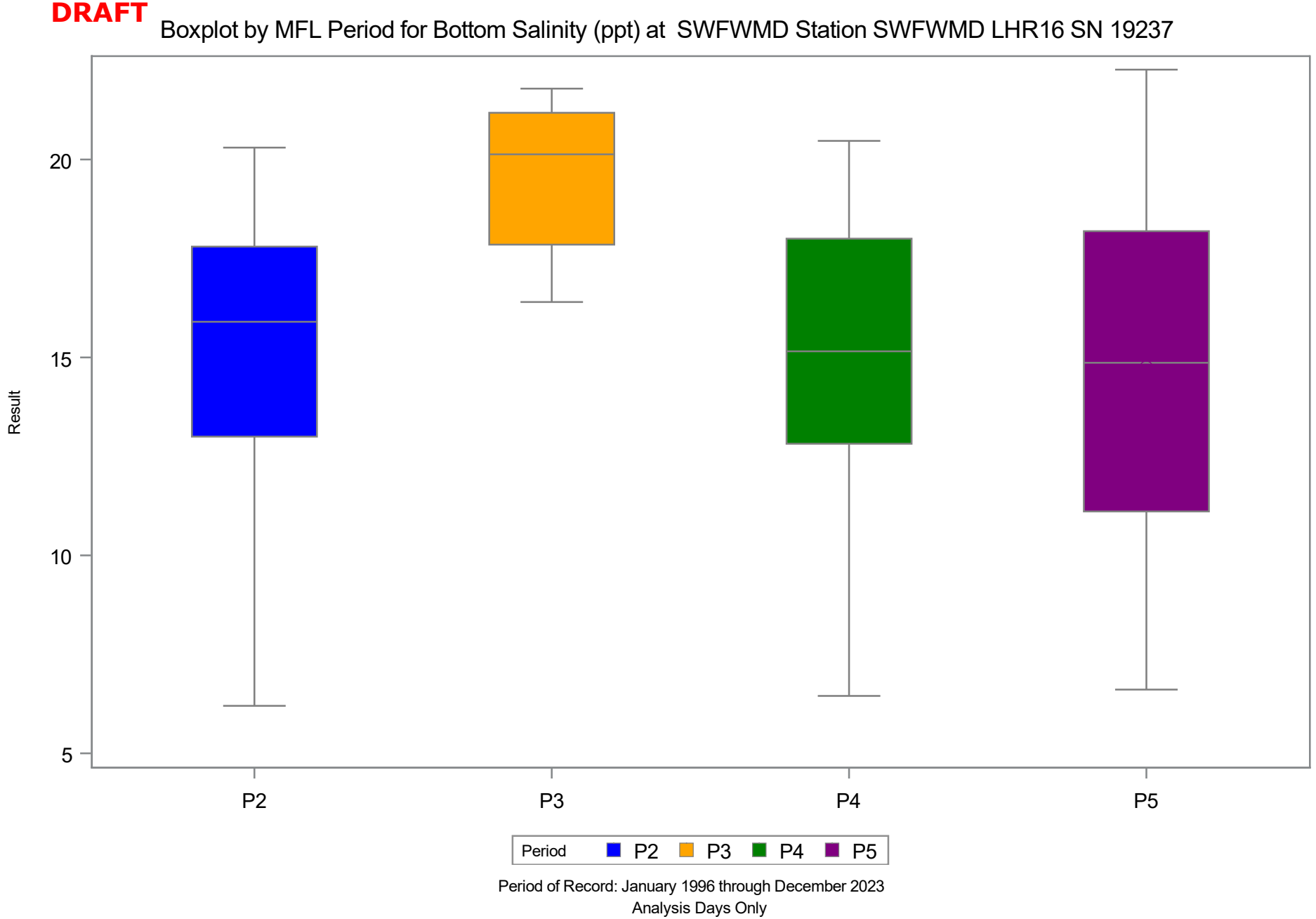
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237

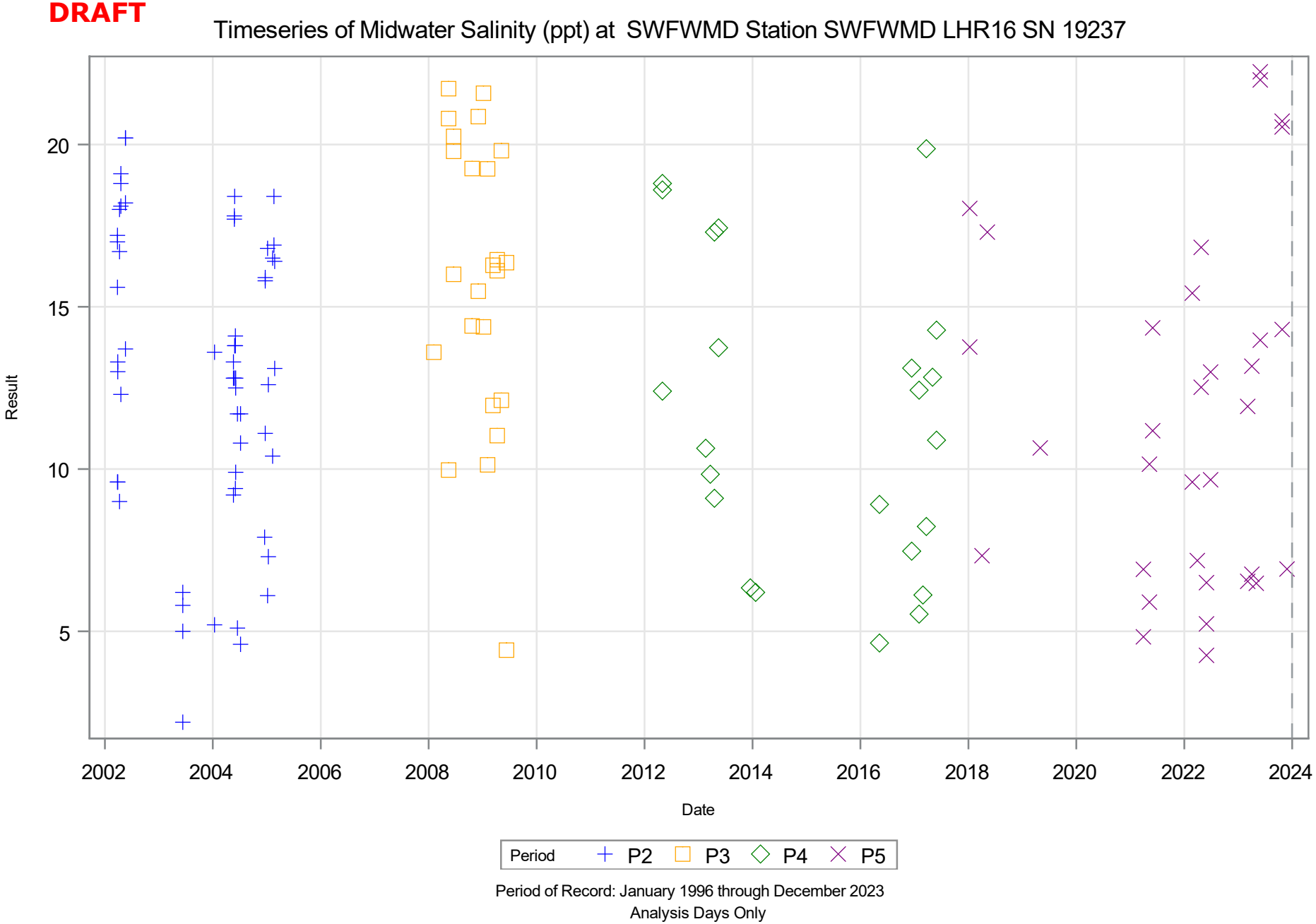
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	6.20	13.00	15.24	15.90	17.80	20.30
P3	11	16.40	17.85	19.52	20.13	21.18	21.79
P4	14	6.45	12.82	14.66	15.16	18.00	20.47
P5	18	6.61	11.11	14.75	14.87	18.19	22.27

Period of Record: January 1996 through December 2023
Analysis Days Only

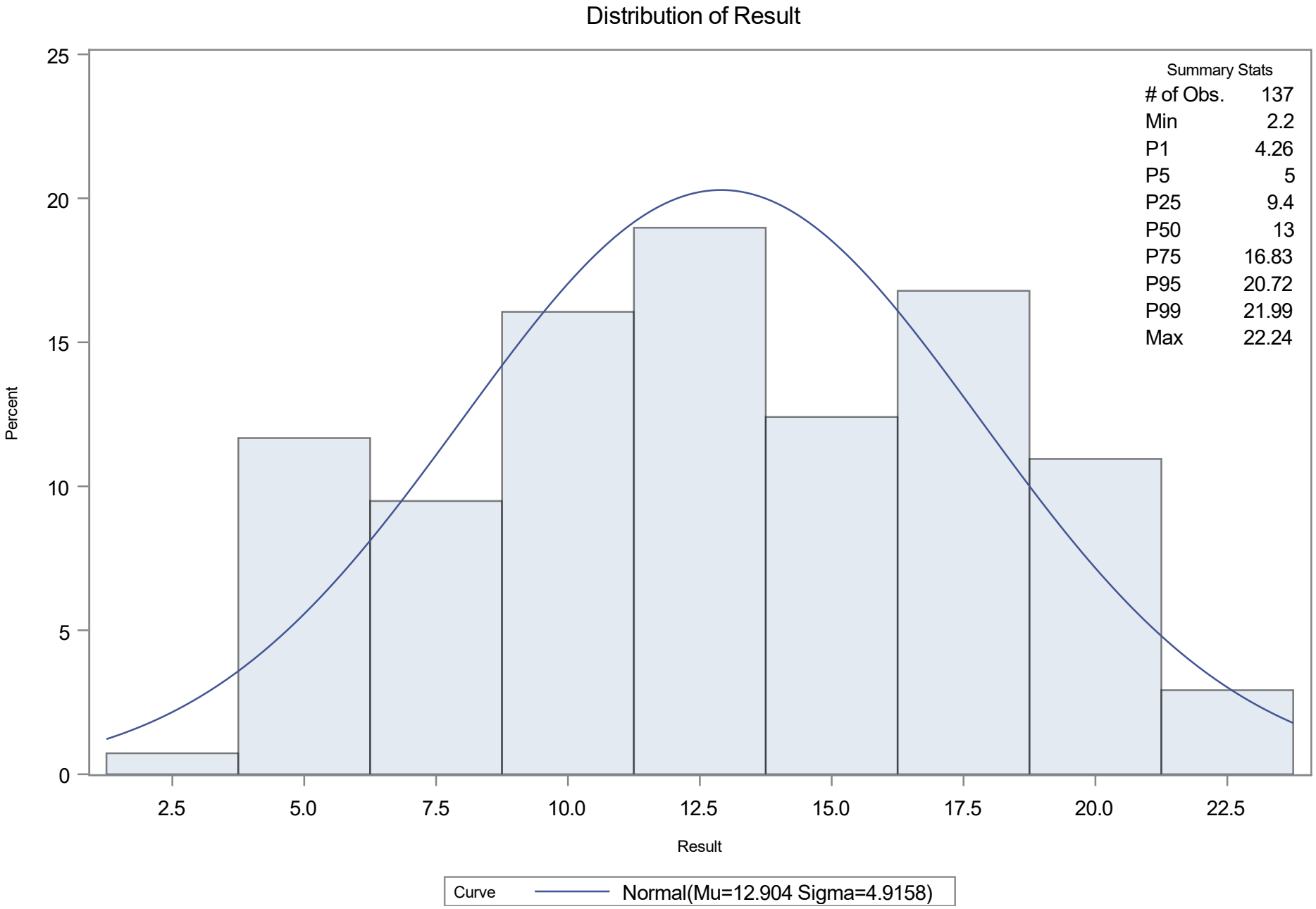
DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
20
15
10
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
20
15
10
5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.90416
Std Dev	Sigma	4.91576

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06989871	**Pr > D**	0.098
Cramer-von Mises	**W-Sq**	0.11482442	**Pr > W-Sq**	0.074
Anderson-Darling	**A-Sq**	0.90799557	**Pr > A-Sq**	0.021

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	4.26000	1.46839
5.0	5.00000	4.81845
10.0	6.10000	6.60436
25.0	9.40000	9.58853
50.0	13.00000	12.90416
75.0	16.83000	16.21979
90.0	19.79000	19.20396
95.0	20.72000	20.98987
99.0	21.99000	24.33993

Period of Record: January 1996 through December 2023
Analysis Days Only

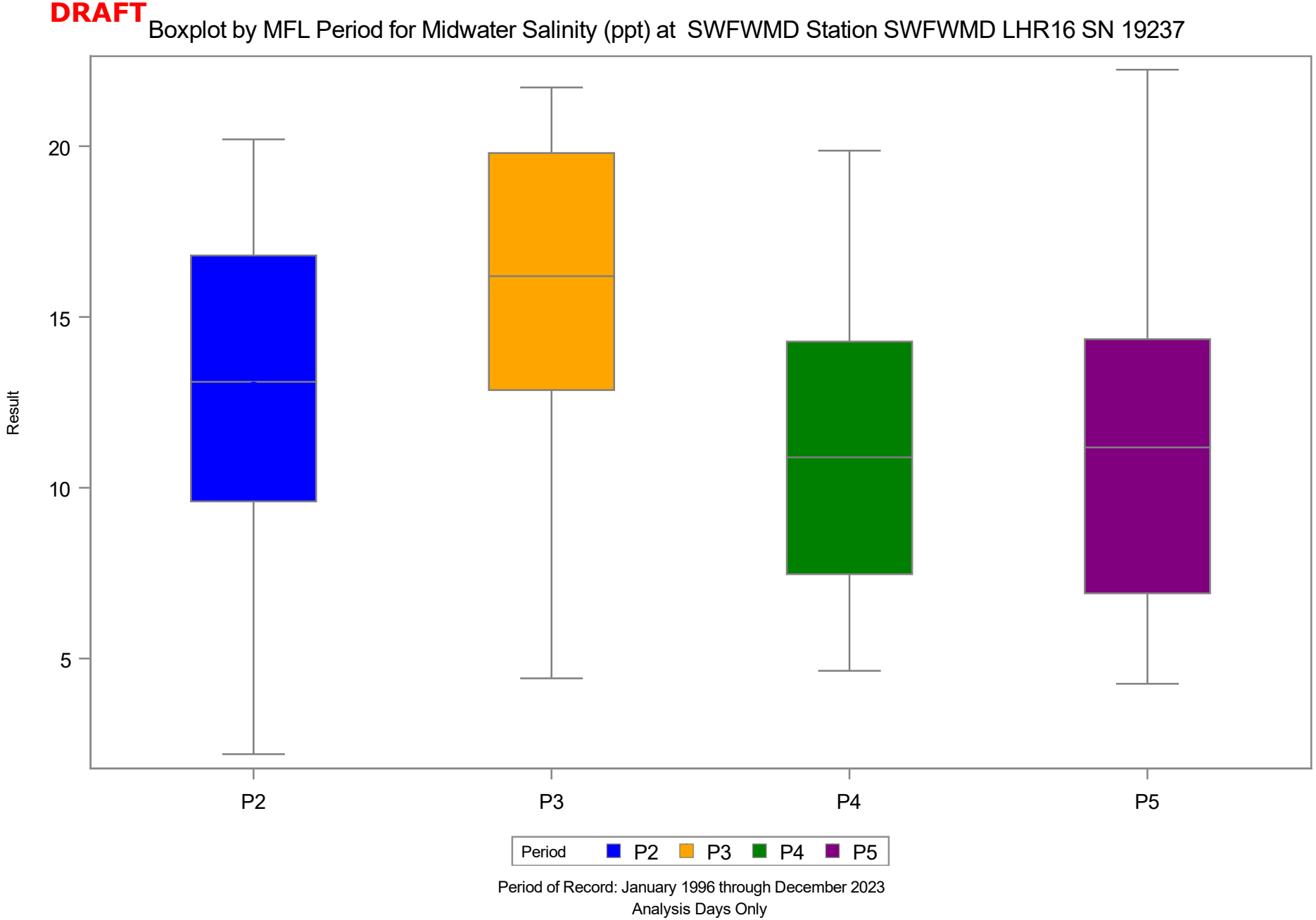
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	57	2.20	9.60	12.89	13.10	16.80	20.20
P3	24	4.42	12.86	15.92	16.20	19.80	21.72
P4	23	4.64	7.47	11.51	10.89	14.28	19.87
P5	33	4.26	6.91	11.70	11.18	14.35	22.24

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
20
15
10
5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

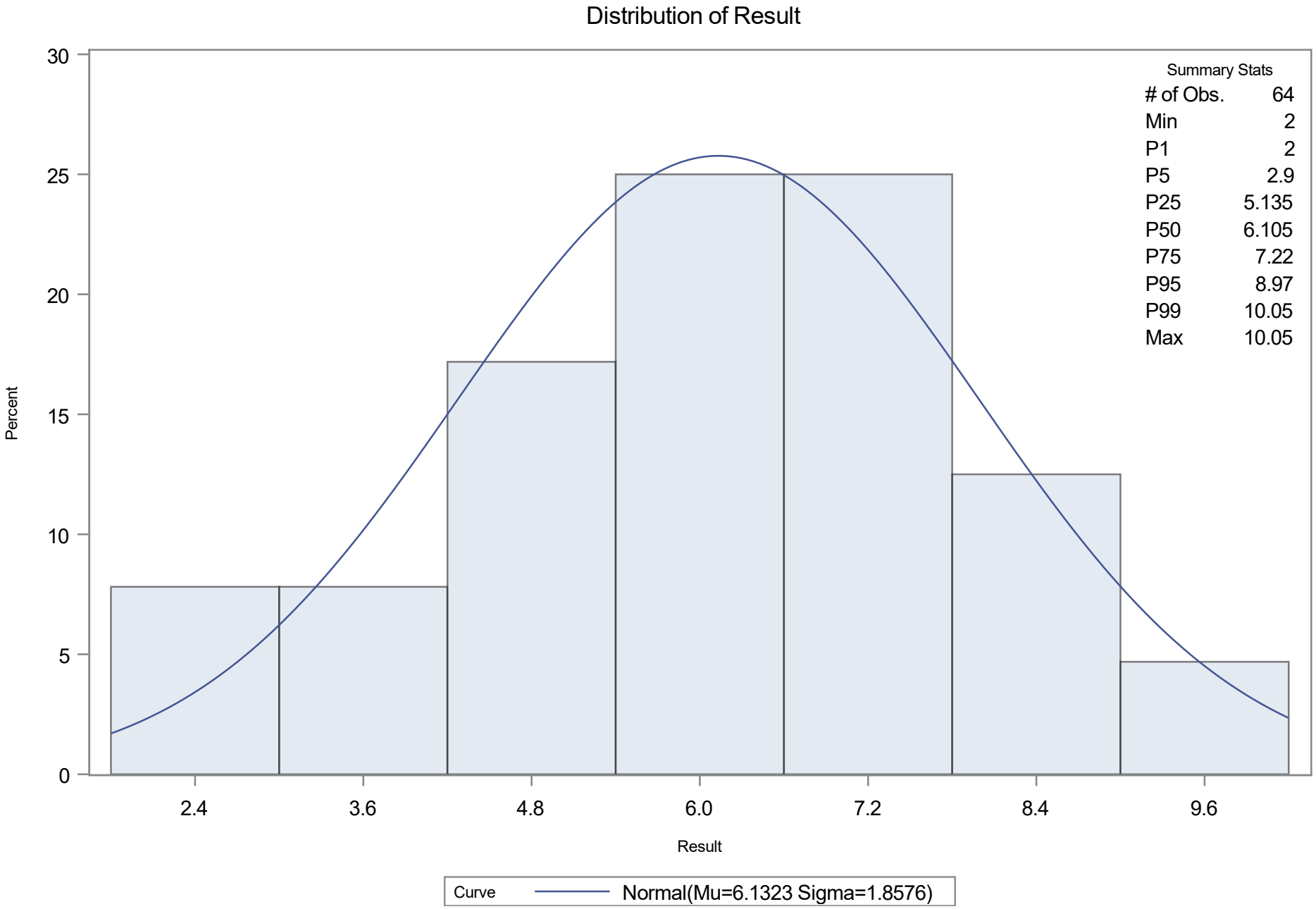
DRAFT

Timeseries of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.132344
Std Dev	Sigma	1.857629

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05786900	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03398749	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23764706	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	1.81085
5.0	2.90000	3.07682
10.0	3.40000	3.75170
25.0	5.13500	4.87939
50.0	6.10500	6.13234
75.0	7.22000	7.38530
90.0	8.51000	8.51299
95.0	8.97000	9.18787
99.0	10.05000	10.45384

Period of Record: January 1996 through December 2023
Analysis Days Only

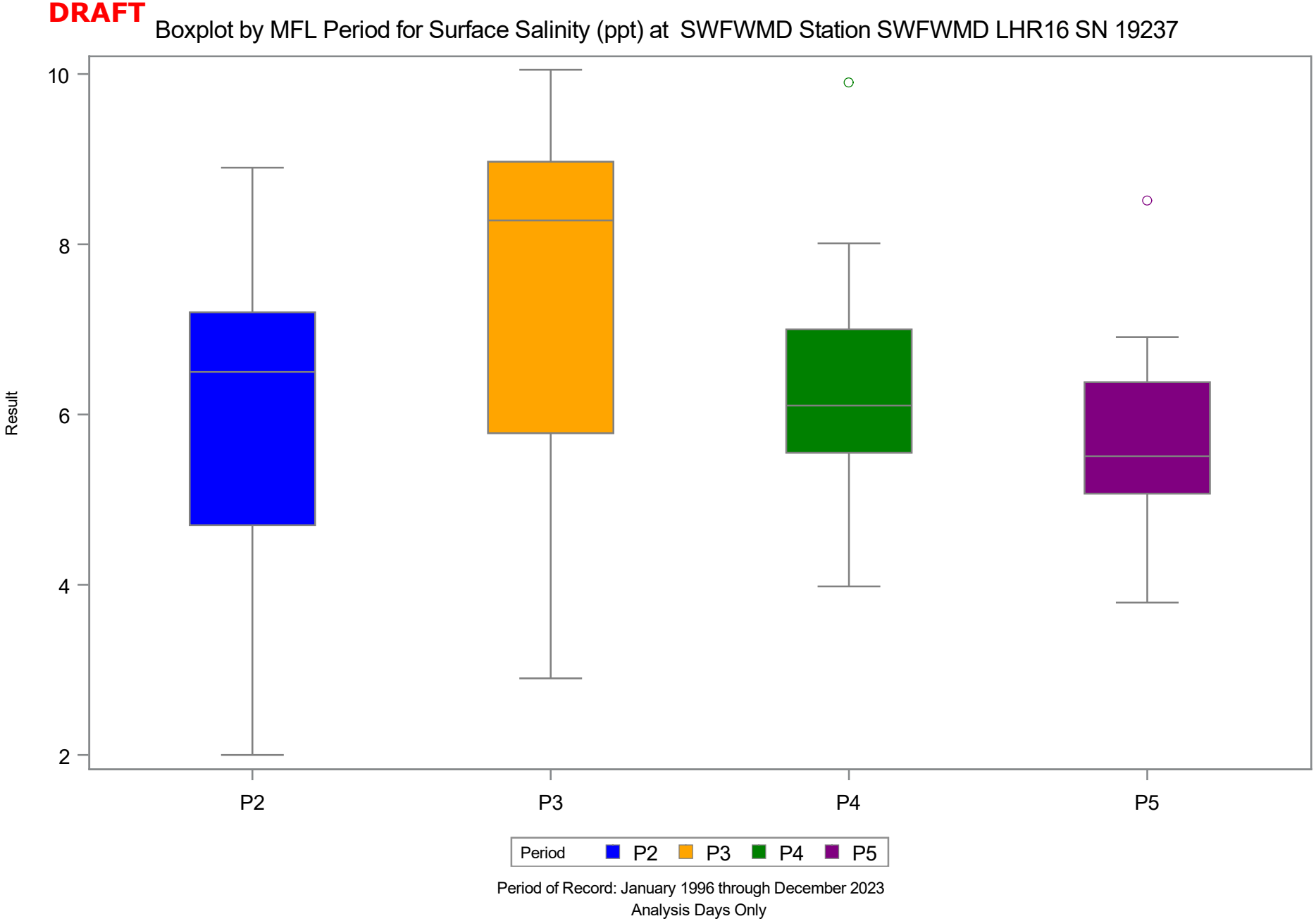
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237

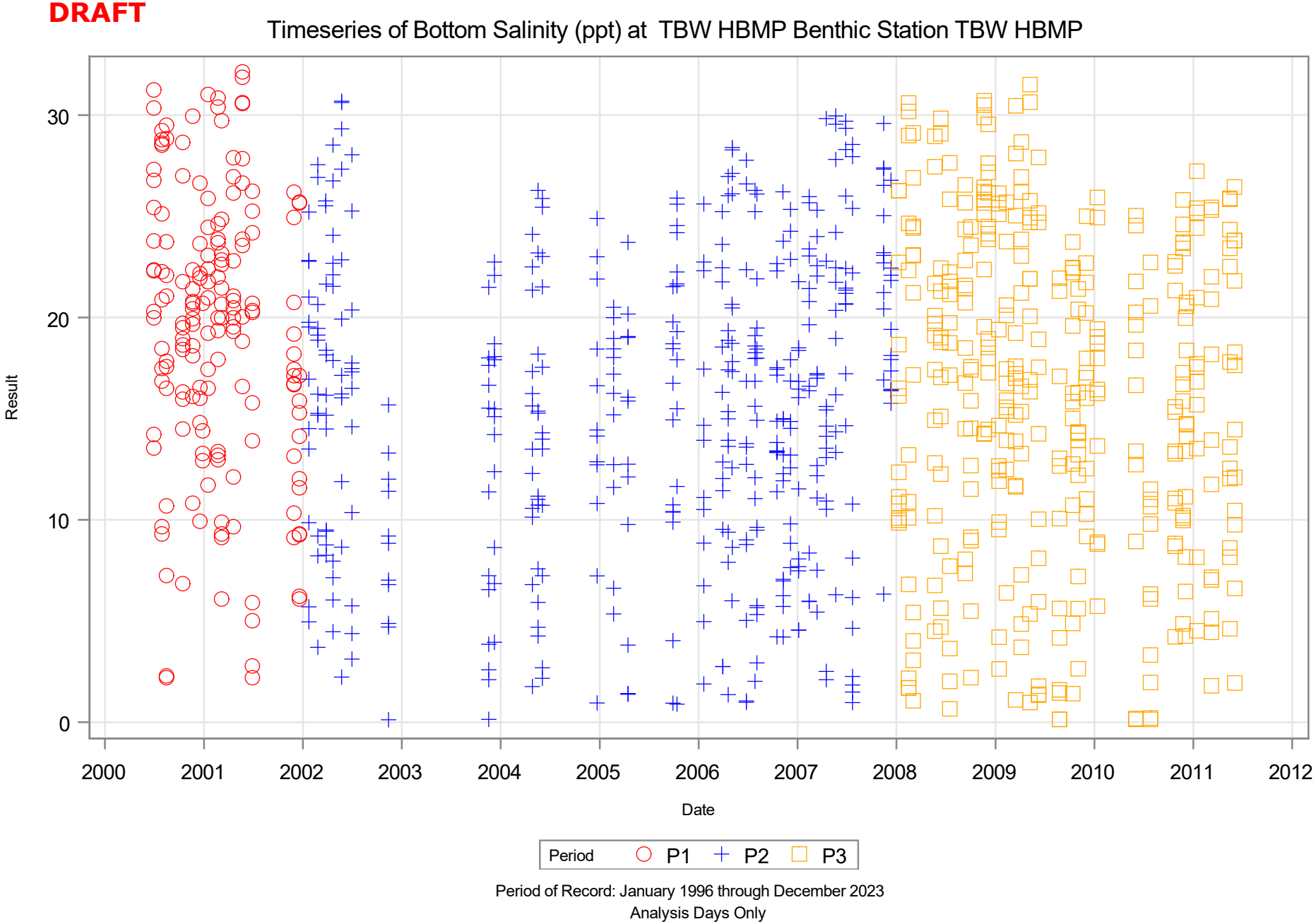
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	2.00	4.70	5.77	6.50	7.20	8.90
P3	11	2.90	5.78	7.32	8.28	8.97	10.05
P4	14	3.98	5.55	6.31	6.11	7.00	9.90
P5	18	3.79	5.07	5.69	5.51	6.38	8.51

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

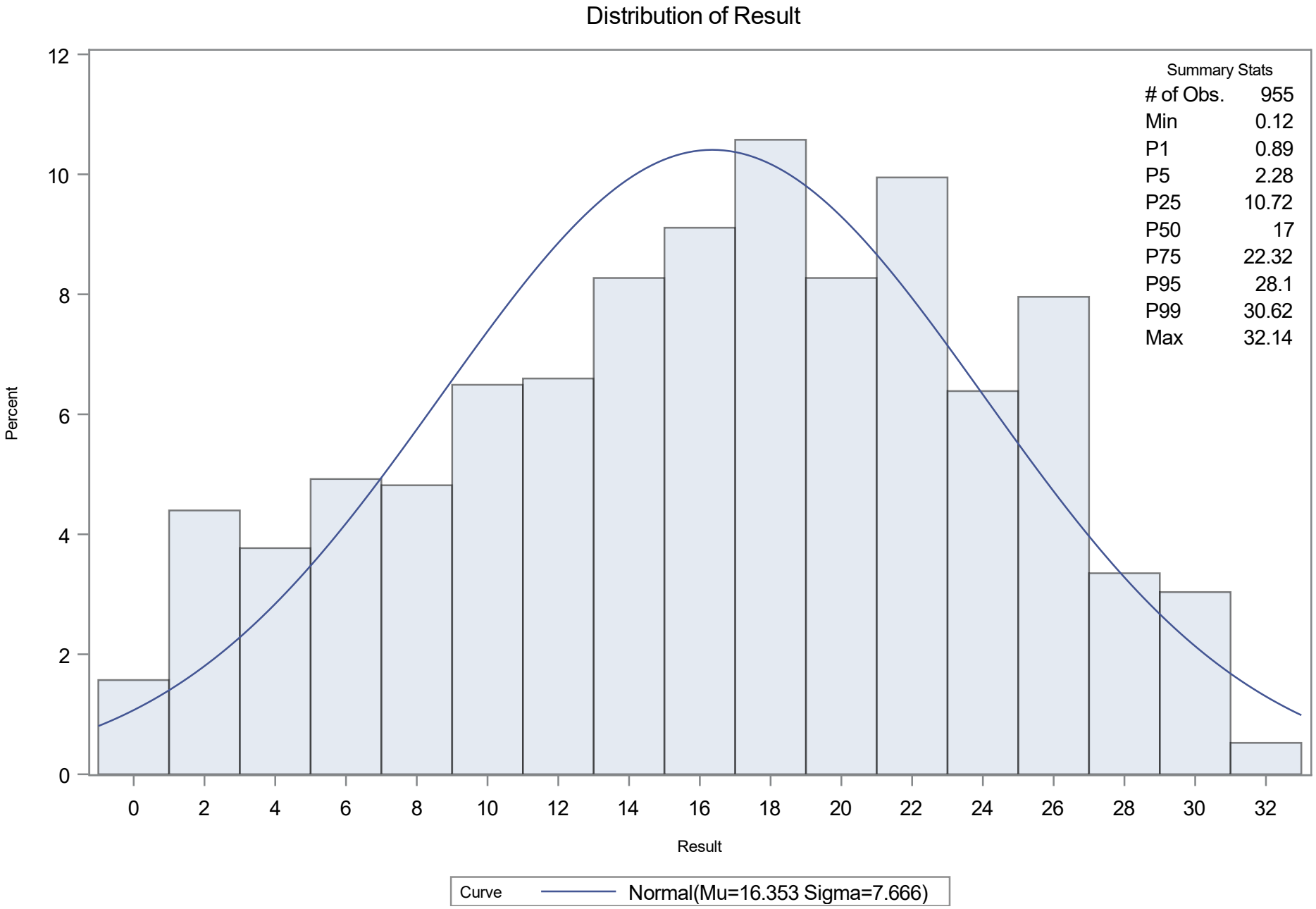

Boxplot by MFL Period for Surface Salinity (ppt) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
10
8
6
4
2
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP
Result
30
20
10
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.3534
Std Dev	Sigma	7.666037

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04428598	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.59912304	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.33893077	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.89000	-1.48047
5.0	2.28000	3.74389
10.0	5.11000	6.52898
25.0	10.72000	11.18274
50.0	17.00000	16.35340
75.0	22.32000	21.52407
90.0	26.10000	26.17782
95.0	28.10000	28.96291
99.0	30.62000	34.18727

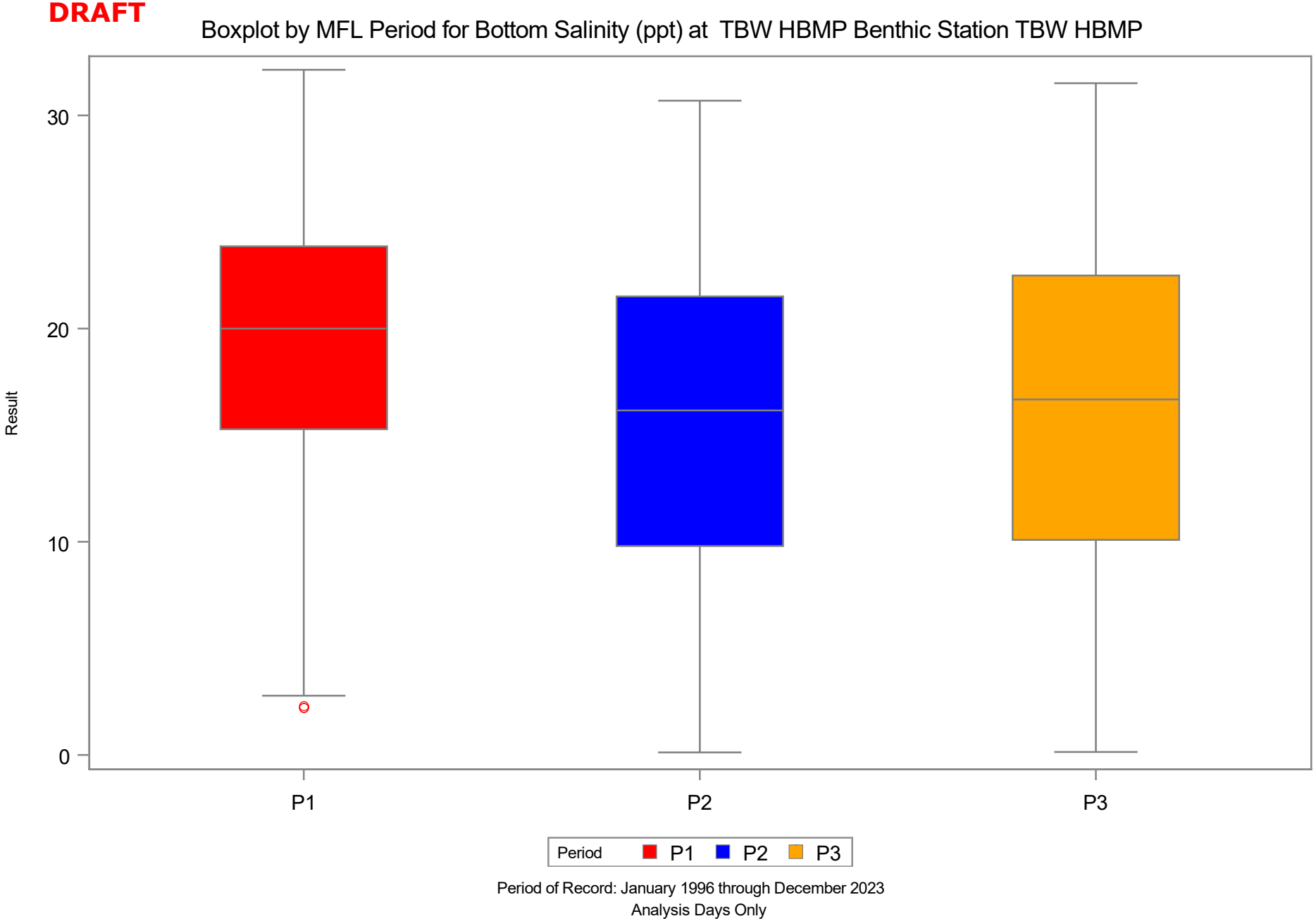
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP**

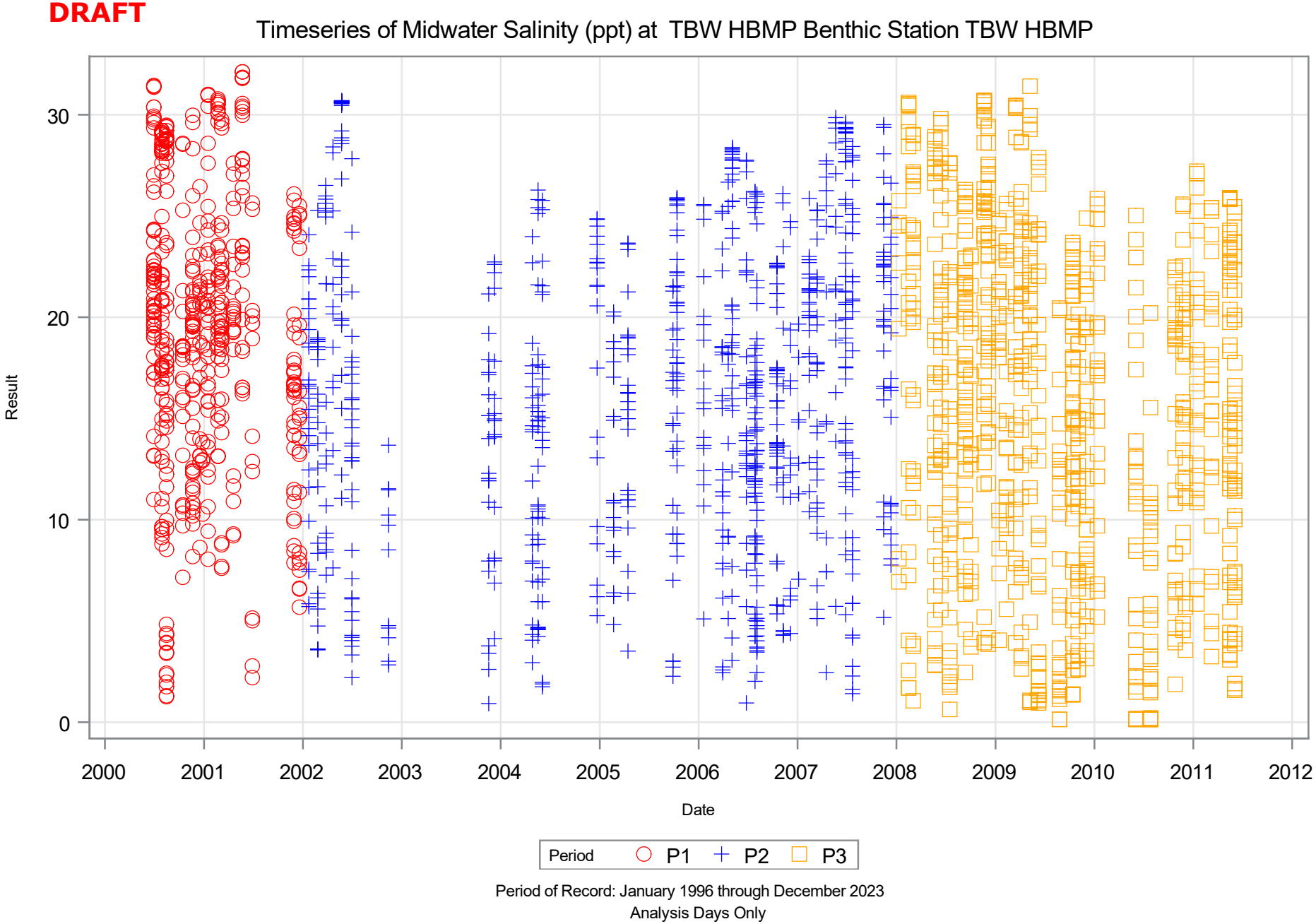
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	2.19	15.28	19.32	20.00	23.86	32.14
P2	429	0.12	9.80	15.50	16.16	21.51	30.69
P3	360	0.14	10.09	16.01	16.67	22.49	31.51

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

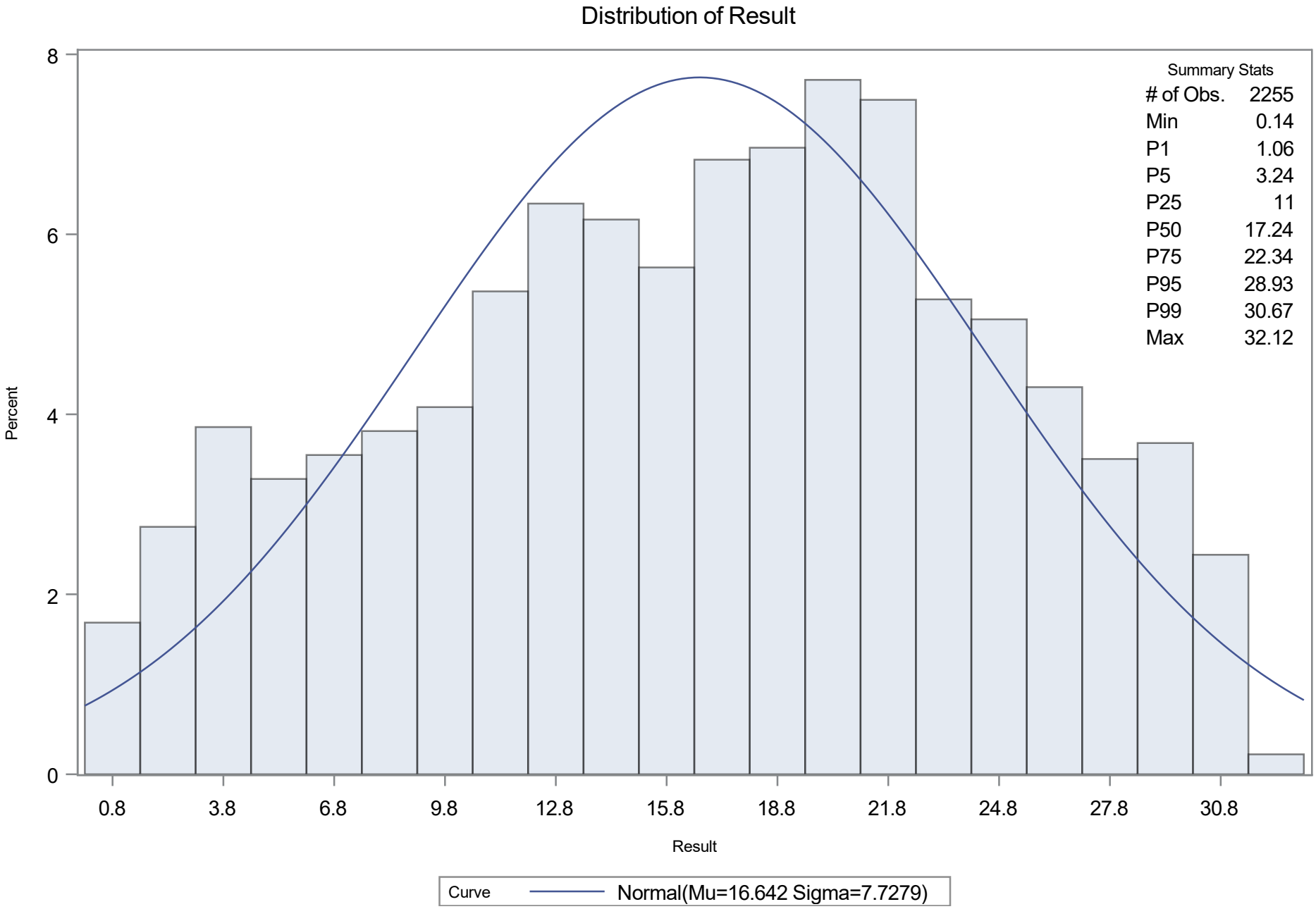

Boxplot by MFL Period for Bottom Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP
Result
0
10
20
30
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.64217
Std Dev	Sigma	7.727922

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04165255	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.20906846	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.06913877	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.06000	-1.33567
5.0	3.24000	3.93087
10.0	5.19000	6.73844
25.0	11.00000	11.42976
50.0	17.24000	16.64217
75.0	22.34000	21.85457
90.0	26.90000	26.54590
95.0	28.93000	29.35347
99.0	30.67000	34.62000

Period of Record: January 1996 through December 2023
Analysis Days Only

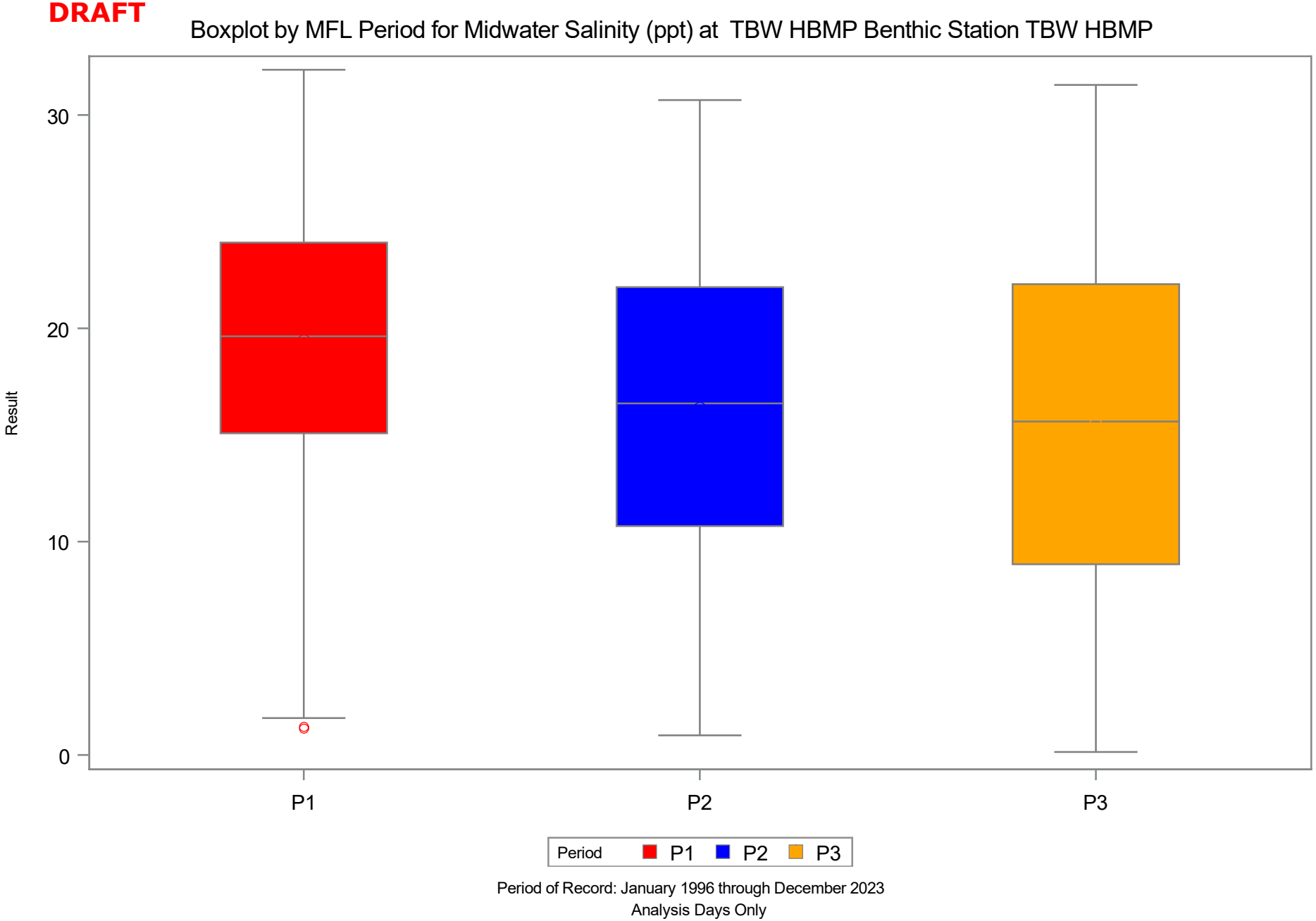
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	502	1.24	15.08	19.39	19.63	24.02	32.12
P2	873	0.92	10.73	16.22	16.48	21.93	30.70
P3	880	0.14	8.94	15.49	15.63	22.07	31.41

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

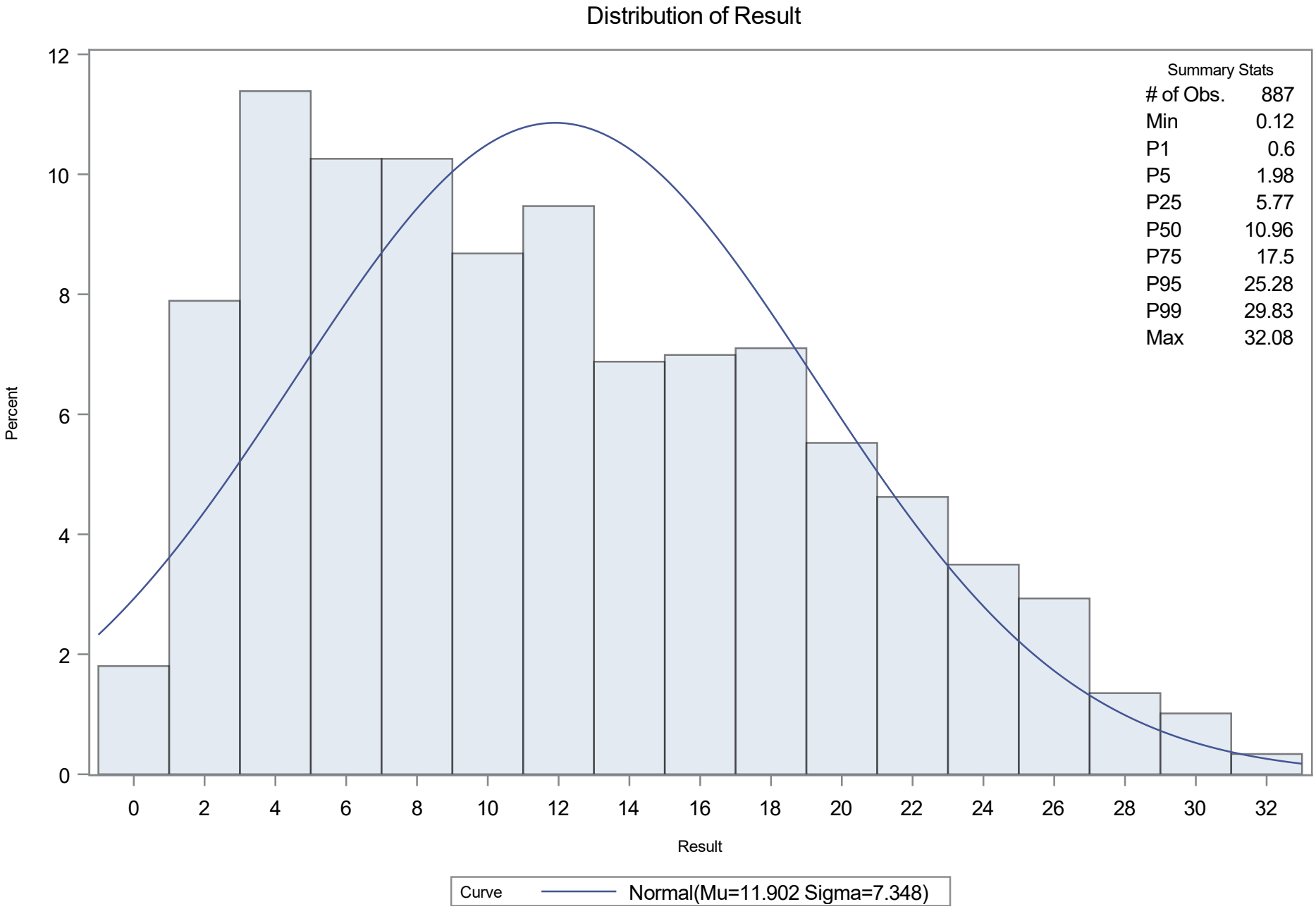

Boxplot by MFL Period for Midwater Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP
Result
30
20
10
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	11.90158
Std Dev	Sigma	7.348011

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07628636	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.50791782	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.71220589	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.60000	-5.19245
5.0	1.98000	-0.18482
10.0	3.01000	2.48472
25.0	5.77000	6.94542
50.0	10.96000	11.90158
75.0	17.50000	16.85774
90.0	22.30000	21.31843
95.0	25.28000	23.98798
99.0	29.83000	28.99561

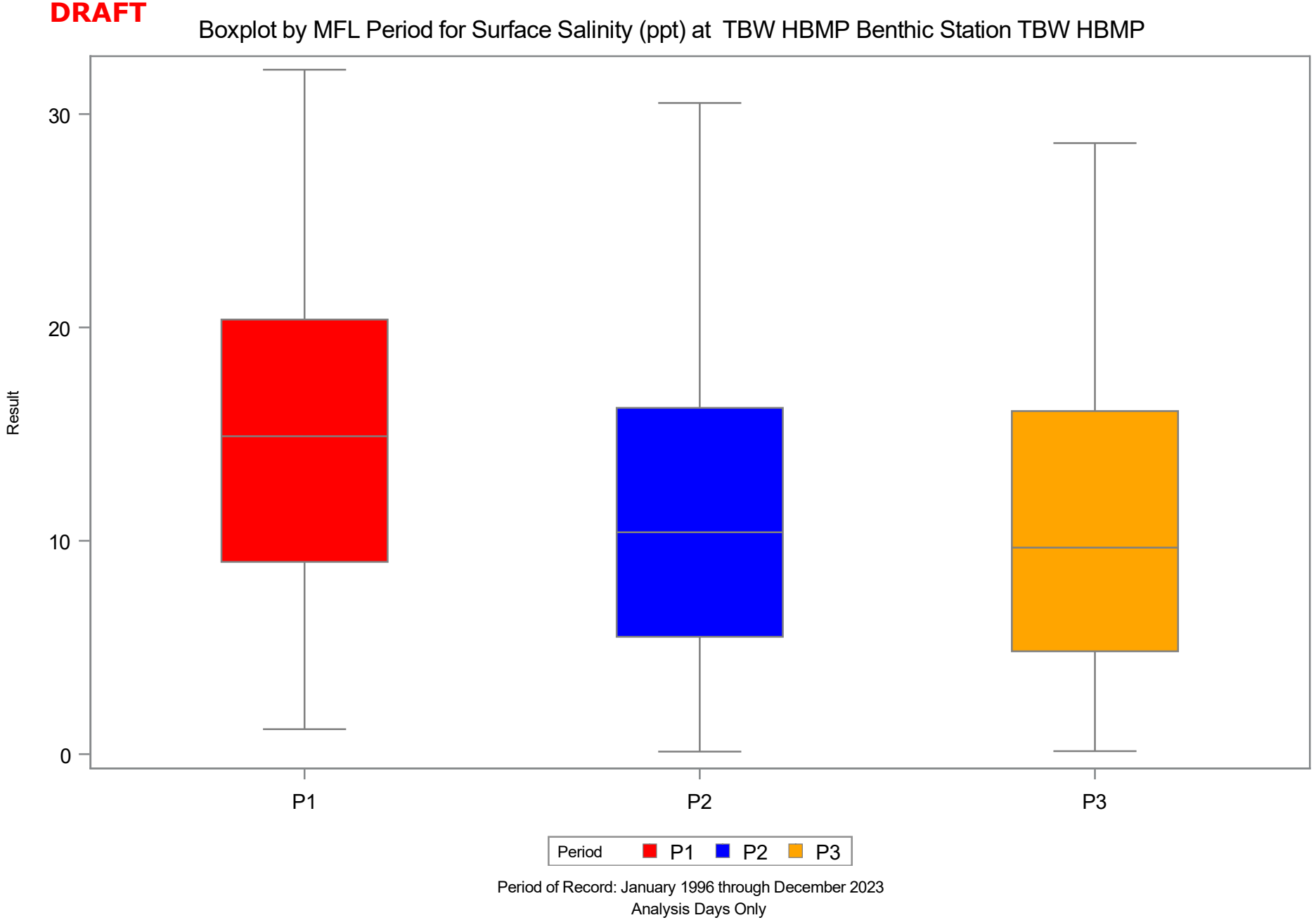
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP**

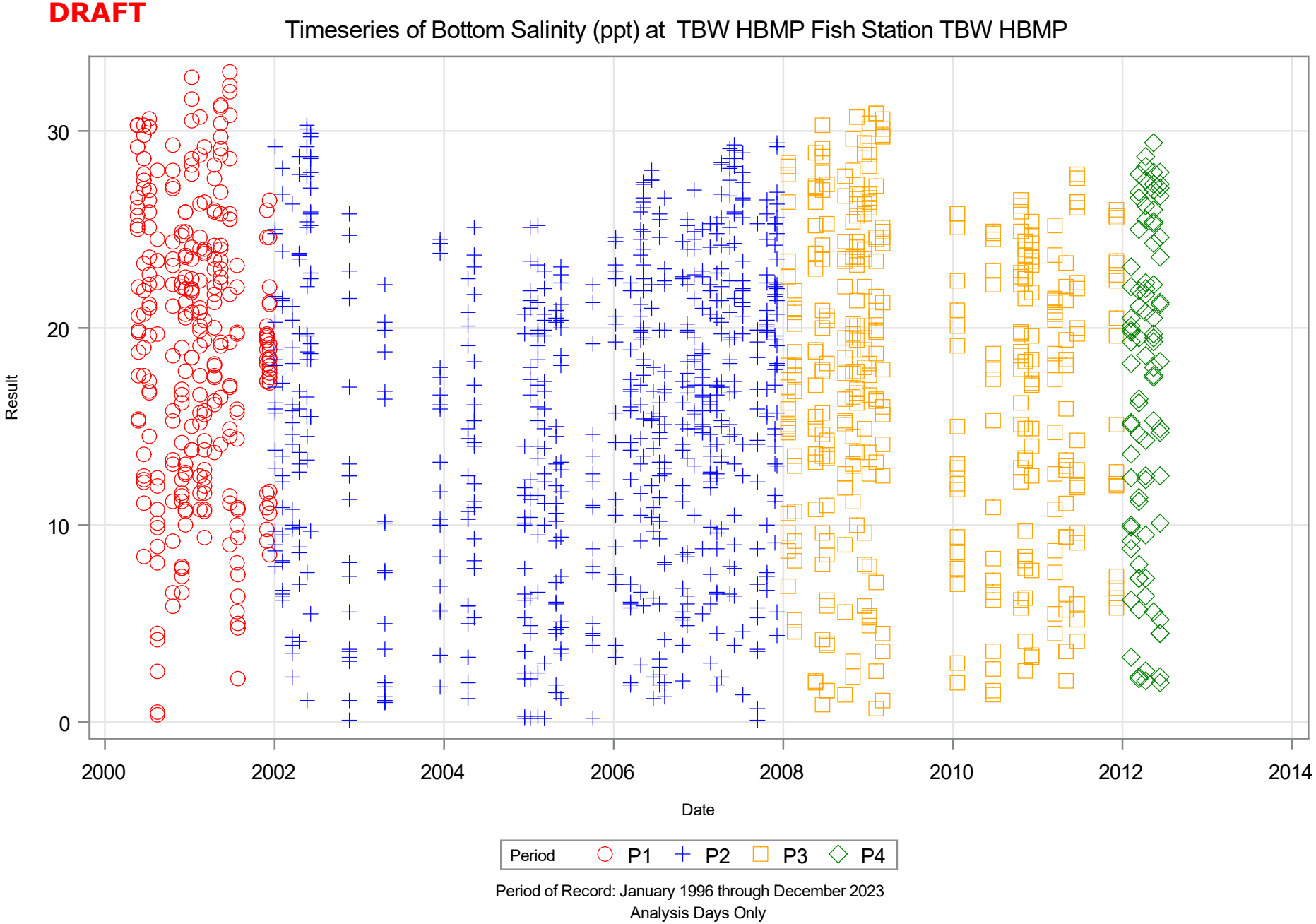
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	1.17	9.01	15.26	14.90	20.37	32.08
P2	392	0.12	5.50	11.39	10.40	16.23	30.52
P3	329	0.14	4.82	10.81	9.68	16.08	28.64

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at TBW HBMP Benthic Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

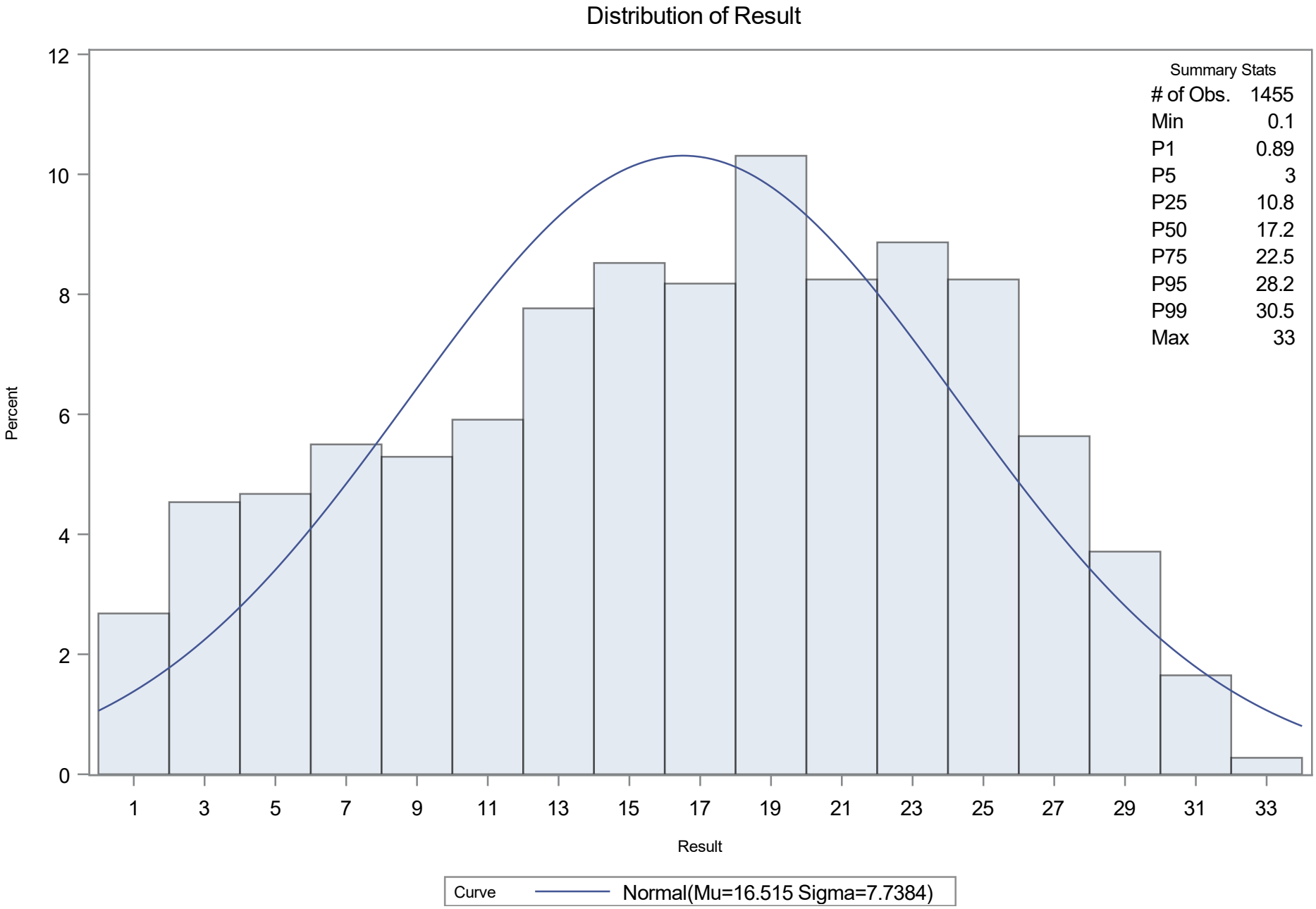
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.51471
Std Dev	Sigma	7.738359

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05451308	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.21303245	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.36910252	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.89000	-1.48741
5.0	3.00000	3.78624
10.0	5.30000	6.59760
25.0	10.80000	11.29526
50.0	17.20000	16.51471
75.0	22.50000	21.73415
90.0	26.39000	26.43181
95.0	28.20000	29.24318
99.0	30.50000	34.51682

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Salinity (ppt) at TBW HBMP Fish Station TBW HBMP**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	286	0.40	13.69	19.09	19.60	24.20	33.00
P2	701	0.10	9.19	15.19	15.69	21.20	30.29
P3	378	0.69	11.00	16.93	17.84	23.50	30.89
P4	90	2.00	10.00	16.92	18.45	23.60	29.40

Period of Record: January 1996 through December 2023
Analysis Days Only

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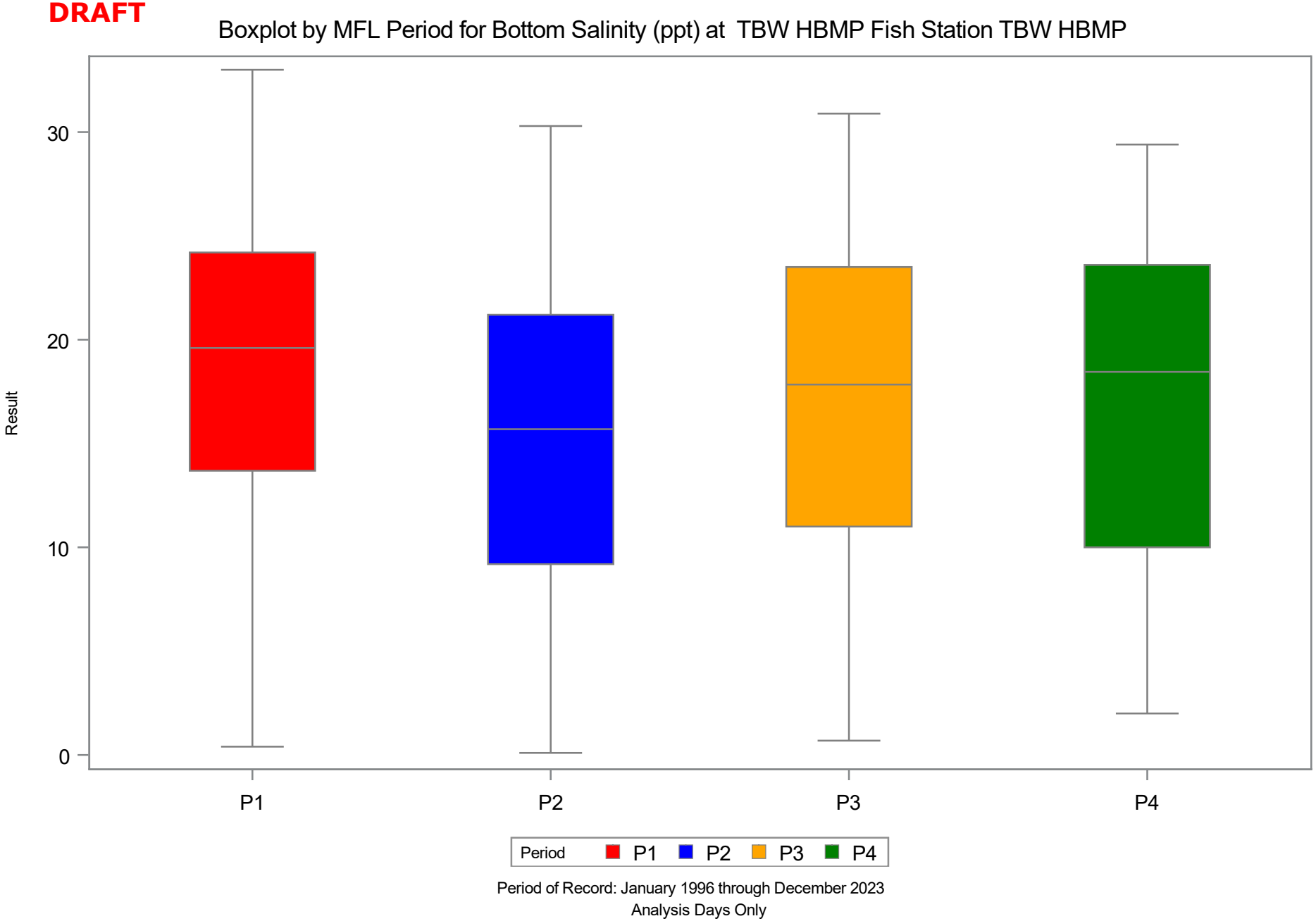
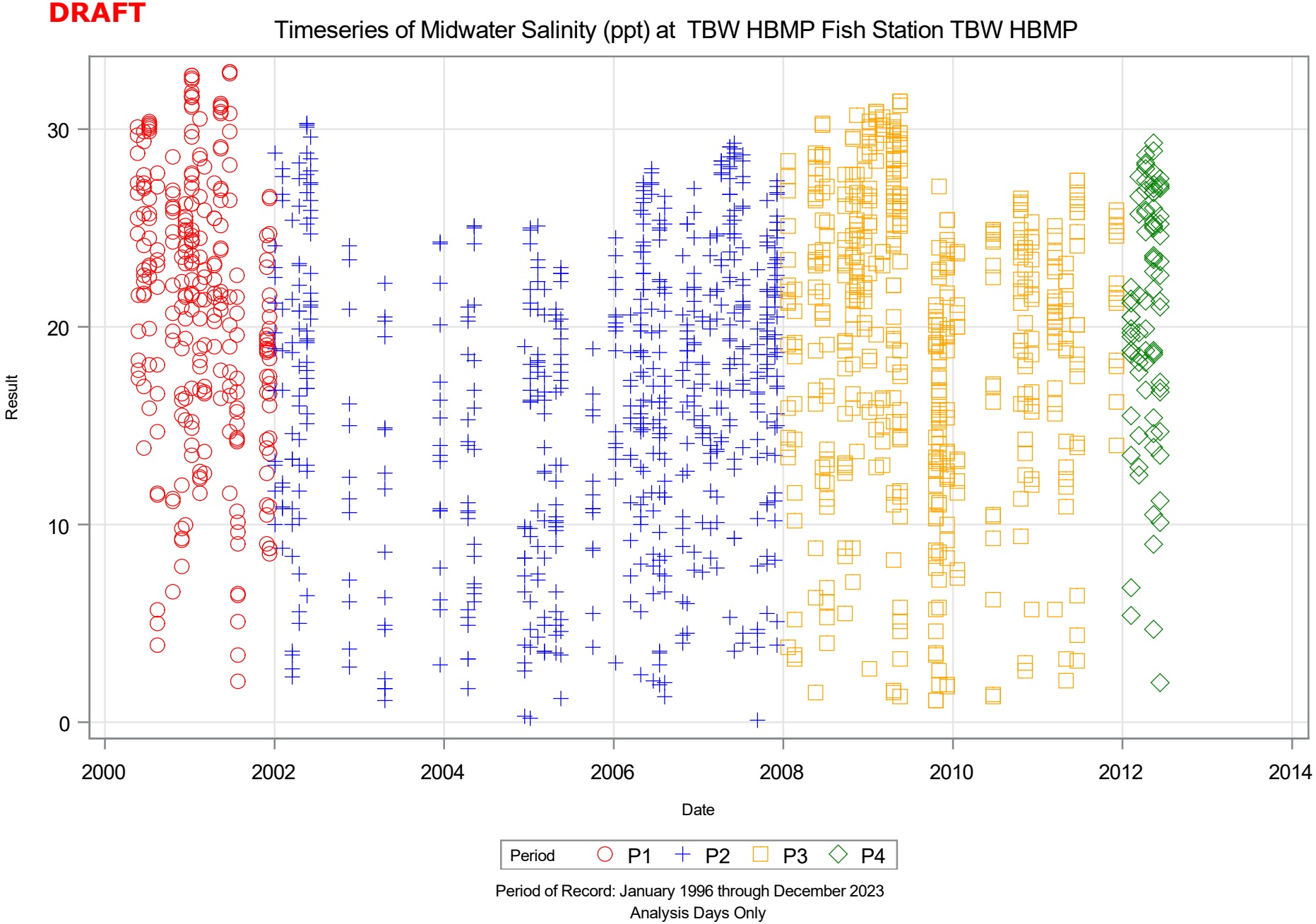
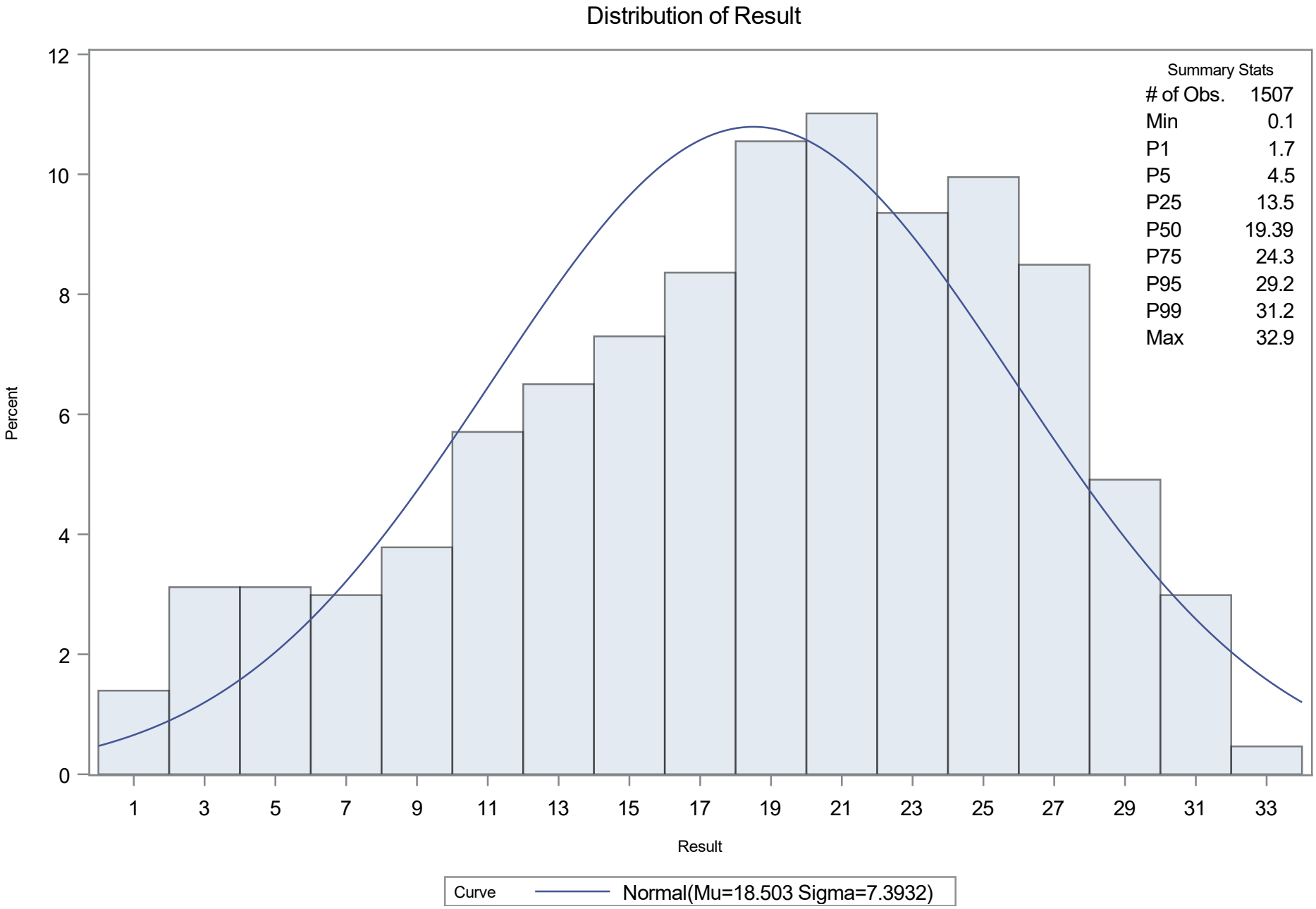

Boxplot by MFL Period for Bottom Salinity (ppt) at TBW HBMP Fish Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at TBW HBMP Fish Station TBW HBMP
Result
30
20
10
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	18.50276
Std Dev	Sigma	7.393198

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0580008	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.5526836	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.5043553	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.70000	1.30361
5.0	4.50000	6.34203
10.0	7.50000	9.02800
25.0	13.50000	13.51612
50.0	19.39000	18.50276
75.0	24.30000	23.48940
90.0	27.50000	27.97752
95.0	29.20000	30.66349
99.0	31.20000	35.70191

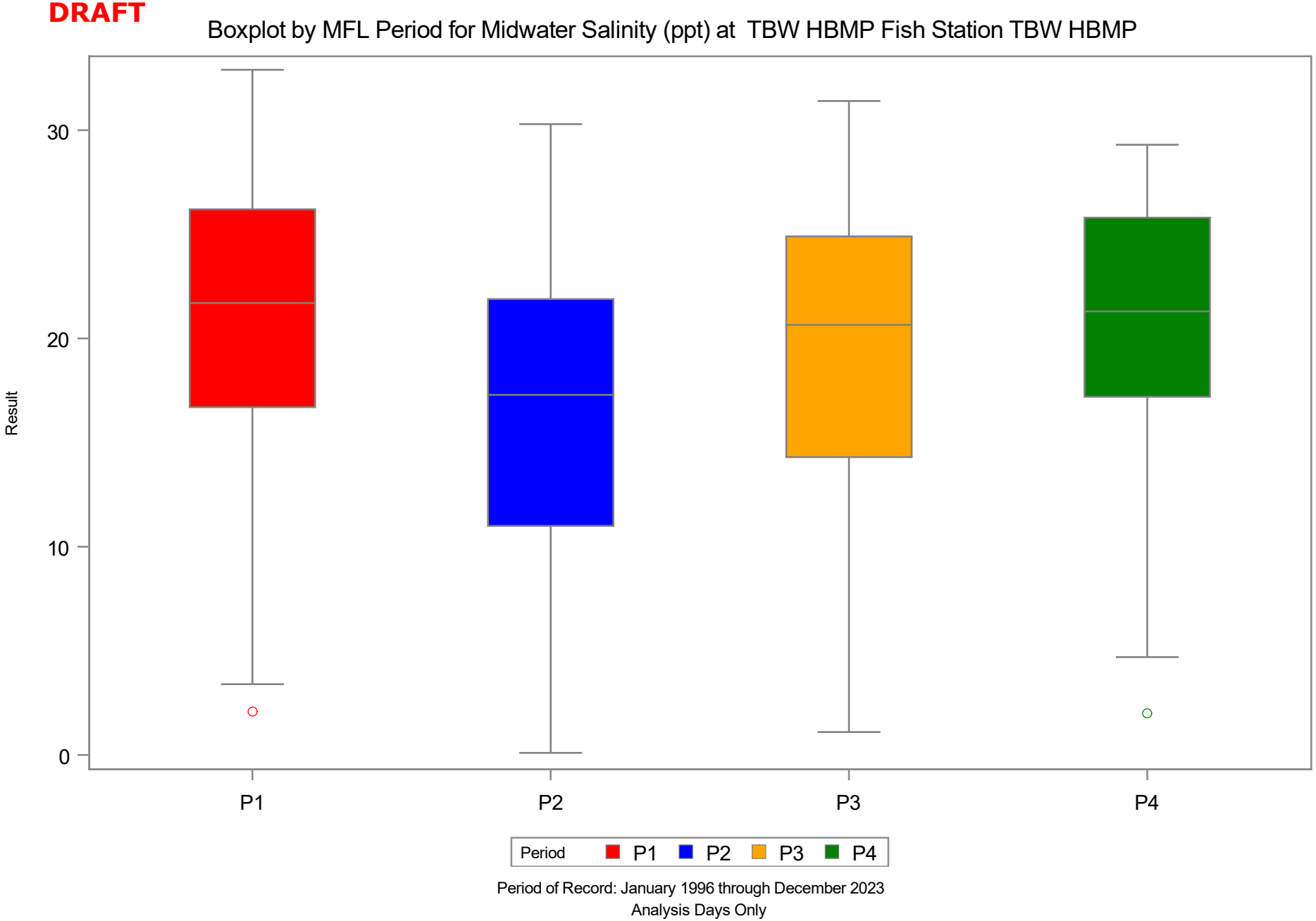
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Salinity (ppt) at TBW HBMP Fish Station TBW HBMP**

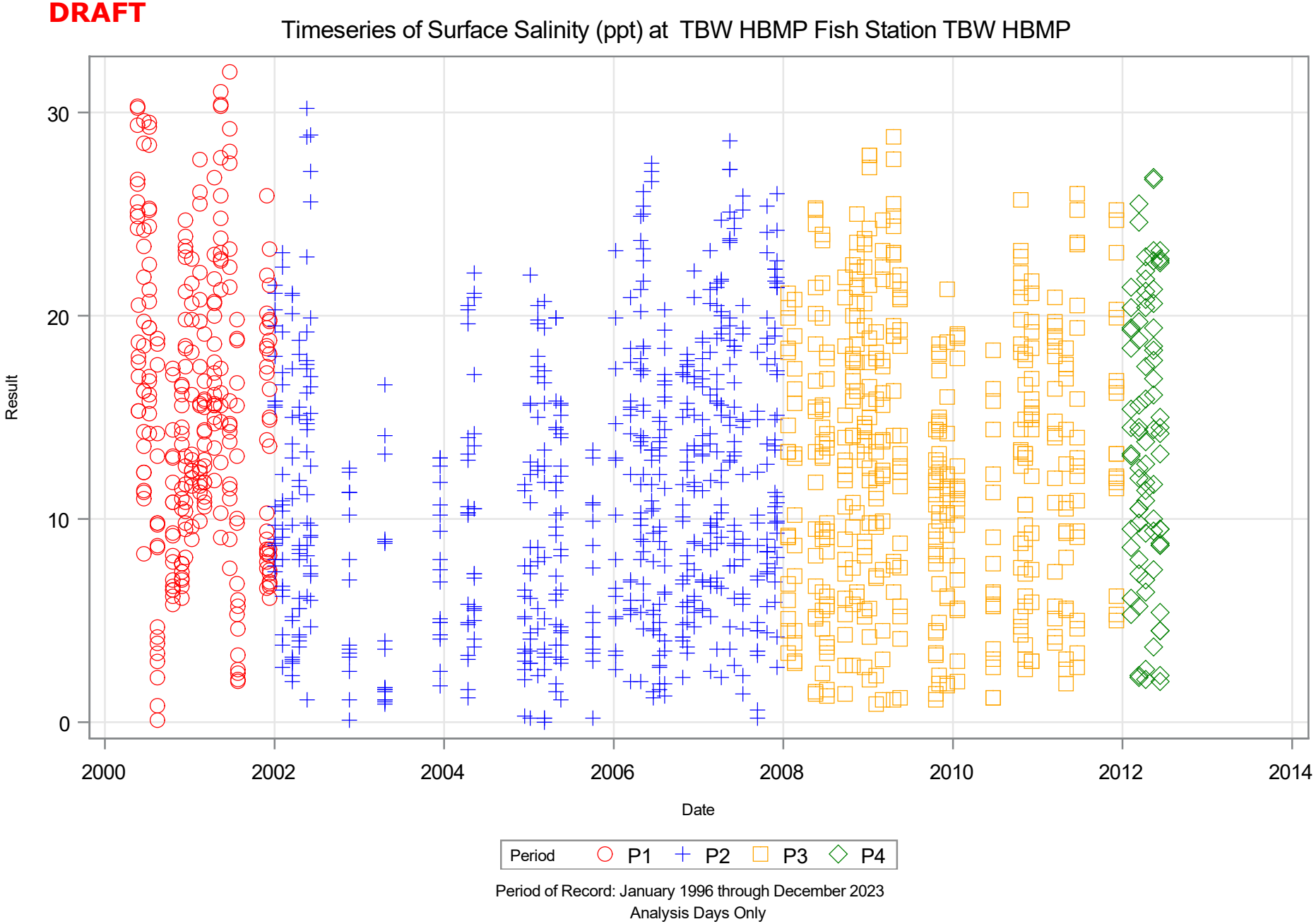
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	269	2.09	16.70	21.12	21.70	26.20	32.90
P2	655	0.10	11.00	16.54	17.29	21.89	30.29
P3	498	1.10	14.30	19.31	20.65	24.90	31.40
P4	85	2.00	17.20	20.60	21.30	25.80	29.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

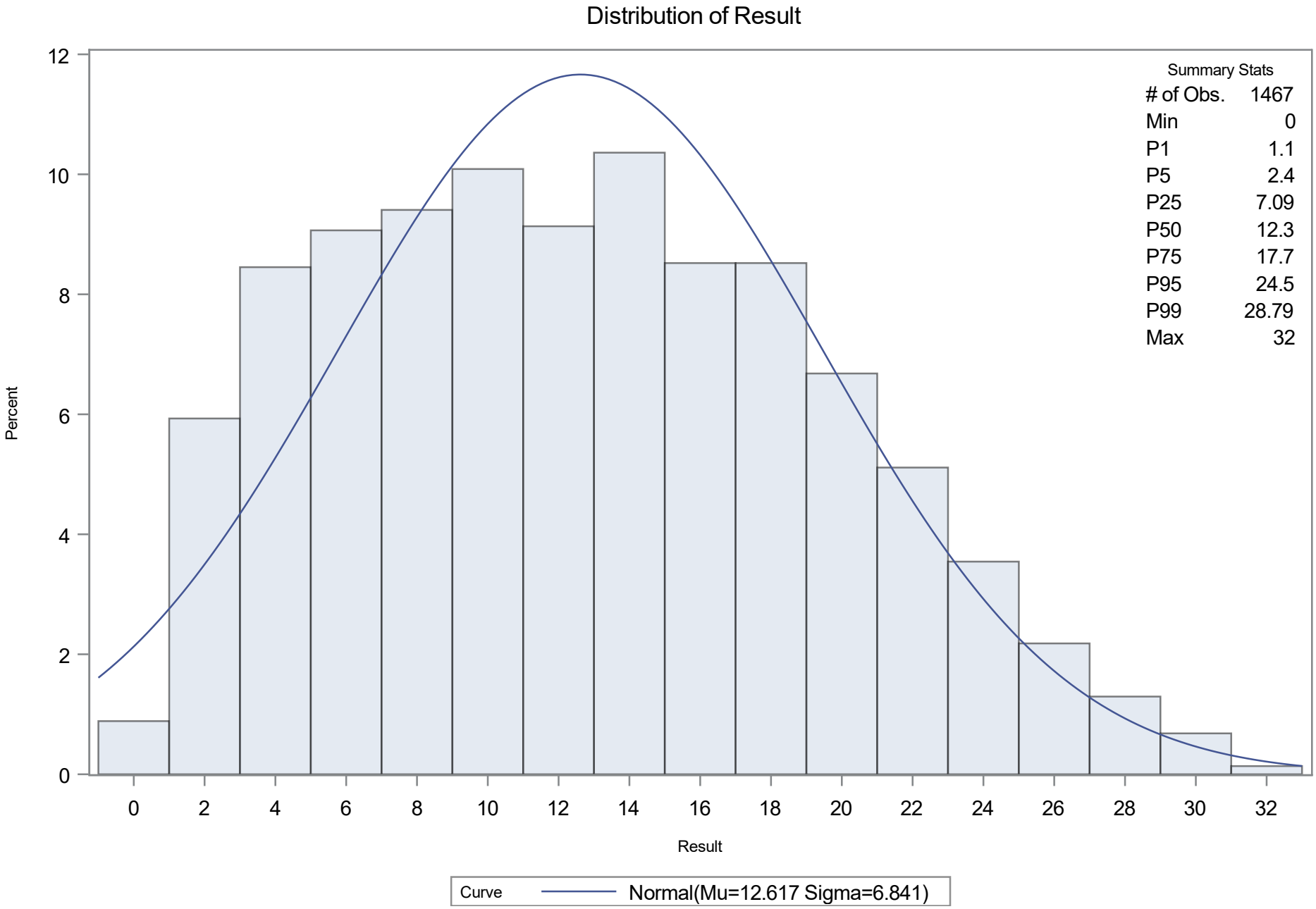

Boxplot by MFL Period for Midwater Salinity (ppt) at TBW HBMP Fish Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at TBW HBMP Fish Station TBW HBMP
Result
30
20
10
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.61671
Std Dev	Sigma	6.841

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05032773	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.92543543	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.66401857	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.10000	-3.29784
5.0	2.40000	1.36426
10.0	3.59000	3.84961
25.0	7.09000	8.00252
50.0	12.30000	12.61671
75.0	17.70000	17.23089
90.0	21.89000	21.38380
95.0	24.50000	23.86915
99.0	28.79000	28.53125

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Salinity (ppt) at TBW HBMP Fish Station TBW HBMP**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	273	0.10	10.00	15.34	15.00	19.79	32.00
P2	661	0.00	5.69	11.27	10.30	15.80	30.20
P3	449	0.89	7.30	12.71	12.60	18.00	28.80
P4	84	2.00	8.75	13.88	14.00	19.55	26.80

Period of Record: January 1996 through December 2023
Analysis Days Only

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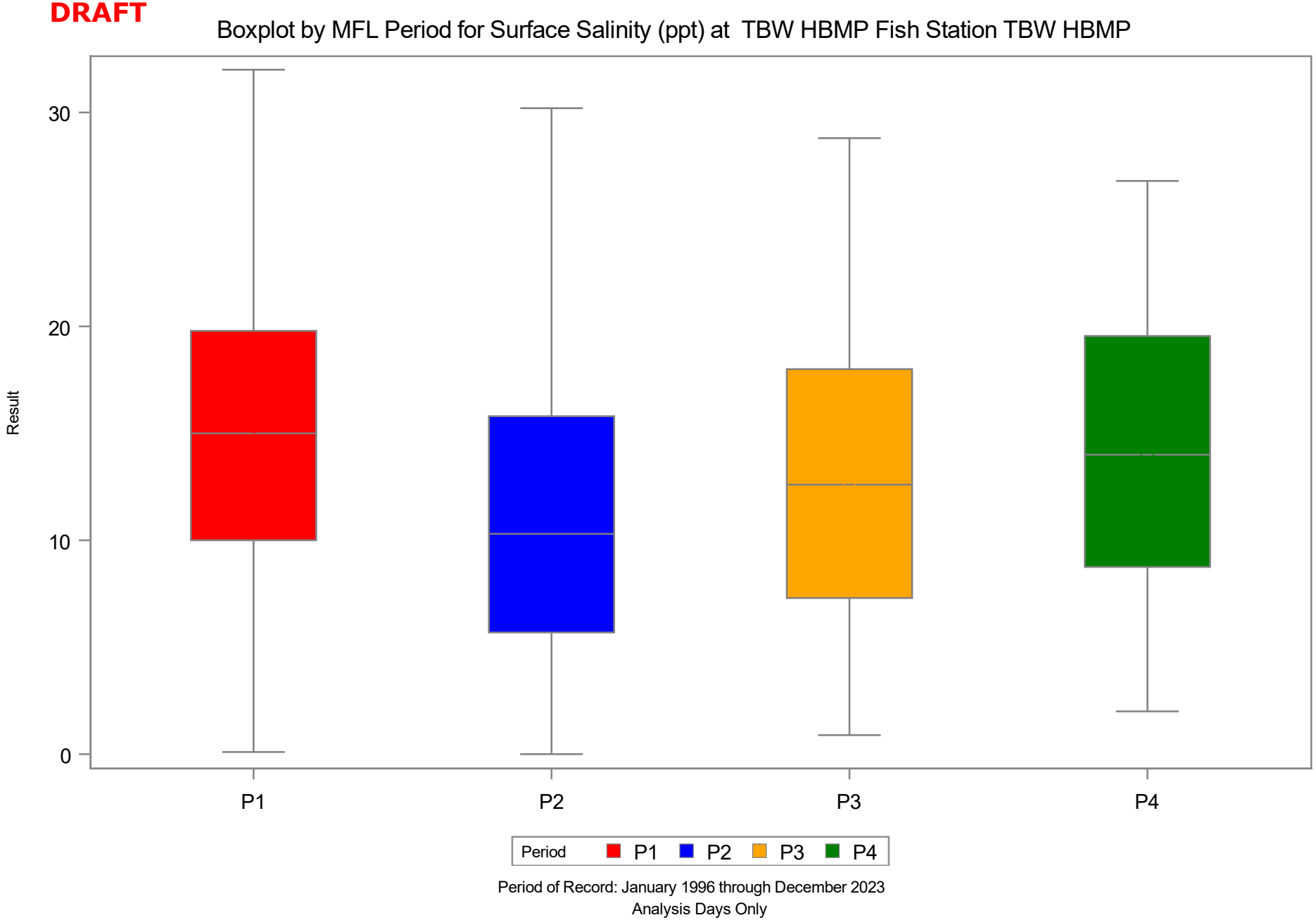
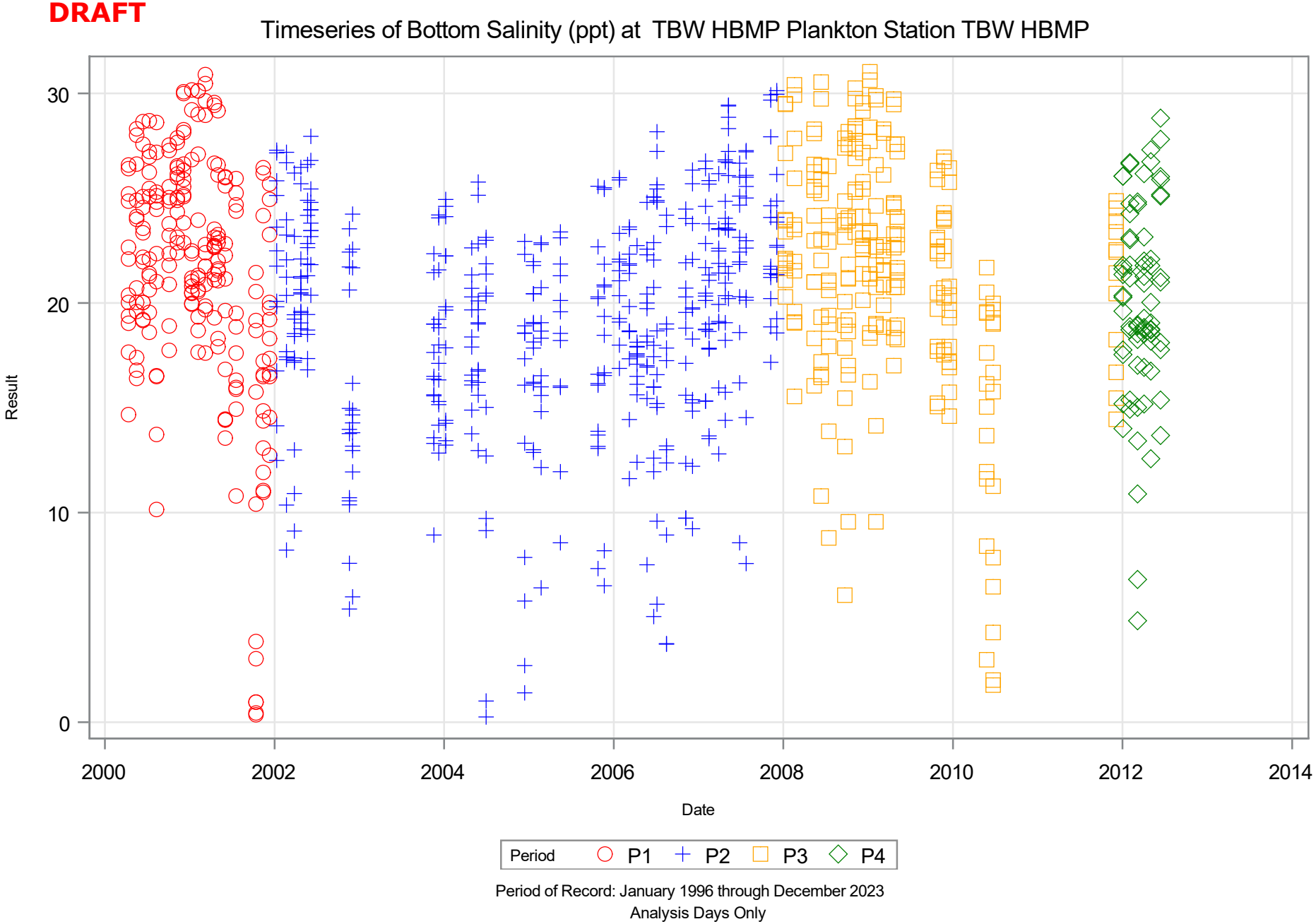

Boxplot by MFL Period for Surface Salinity (ppt) at TBW HBMP Fish Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

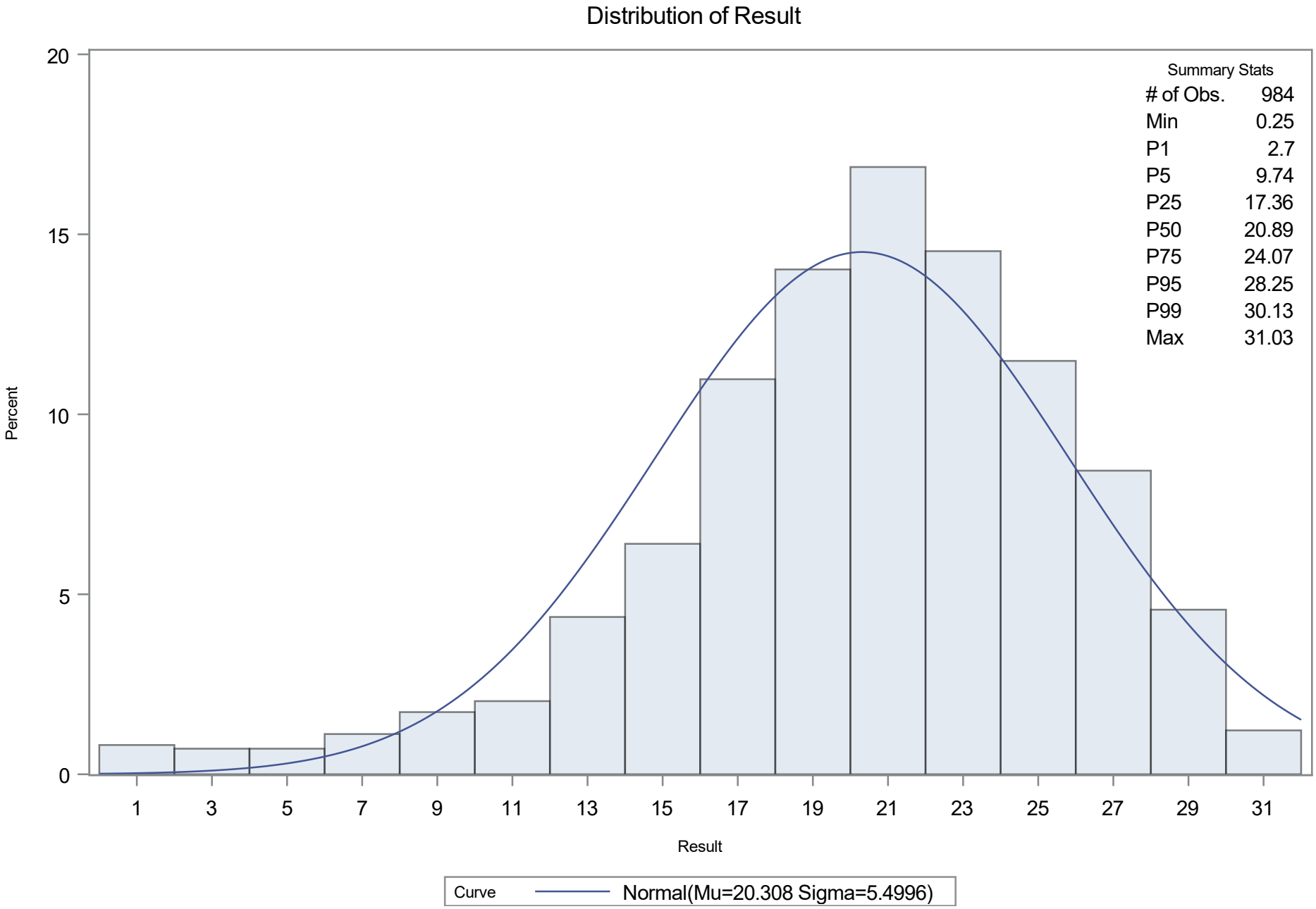
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20.30776
Std Dev	Sigma	5.499556

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06125882	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.93209707	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.59227629	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.70000	7.51388
5.0	9.74000	11.26180
10.0	13.43000	13.25980
25.0	17.36000	16.59837
50.0	20.89000	20.30776
75.0	24.07000	24.01716
90.0	26.69000	27.35573
95.0	28.25000	29.35373
99.0	30.13000	33.10164

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Bottom Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	0.36	19.09	21.55	22.23	25.50	30.88
P2	456	0.25	16.14	19.15	19.68	22.84	30.13
P3	240	1.77	18.90	21.48	22.00	24.87	31.03
P4	72	4.84	17.77	20.03	19.82	23.13	28.82

Period of Record: January 1996 through December 2023
Analysis Days Only

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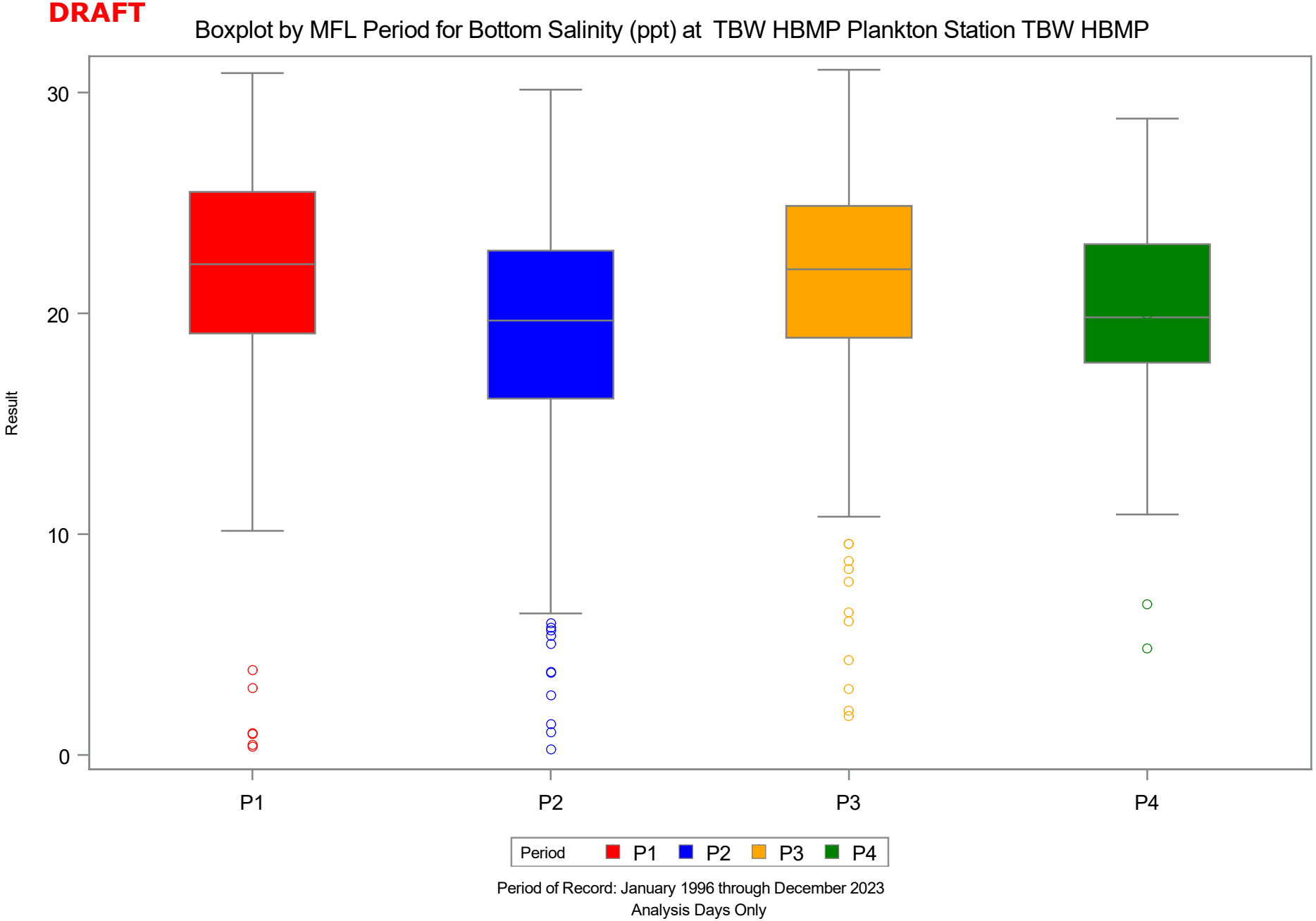
Boxplot by MFL Period for Bottom Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP
Result
30
20
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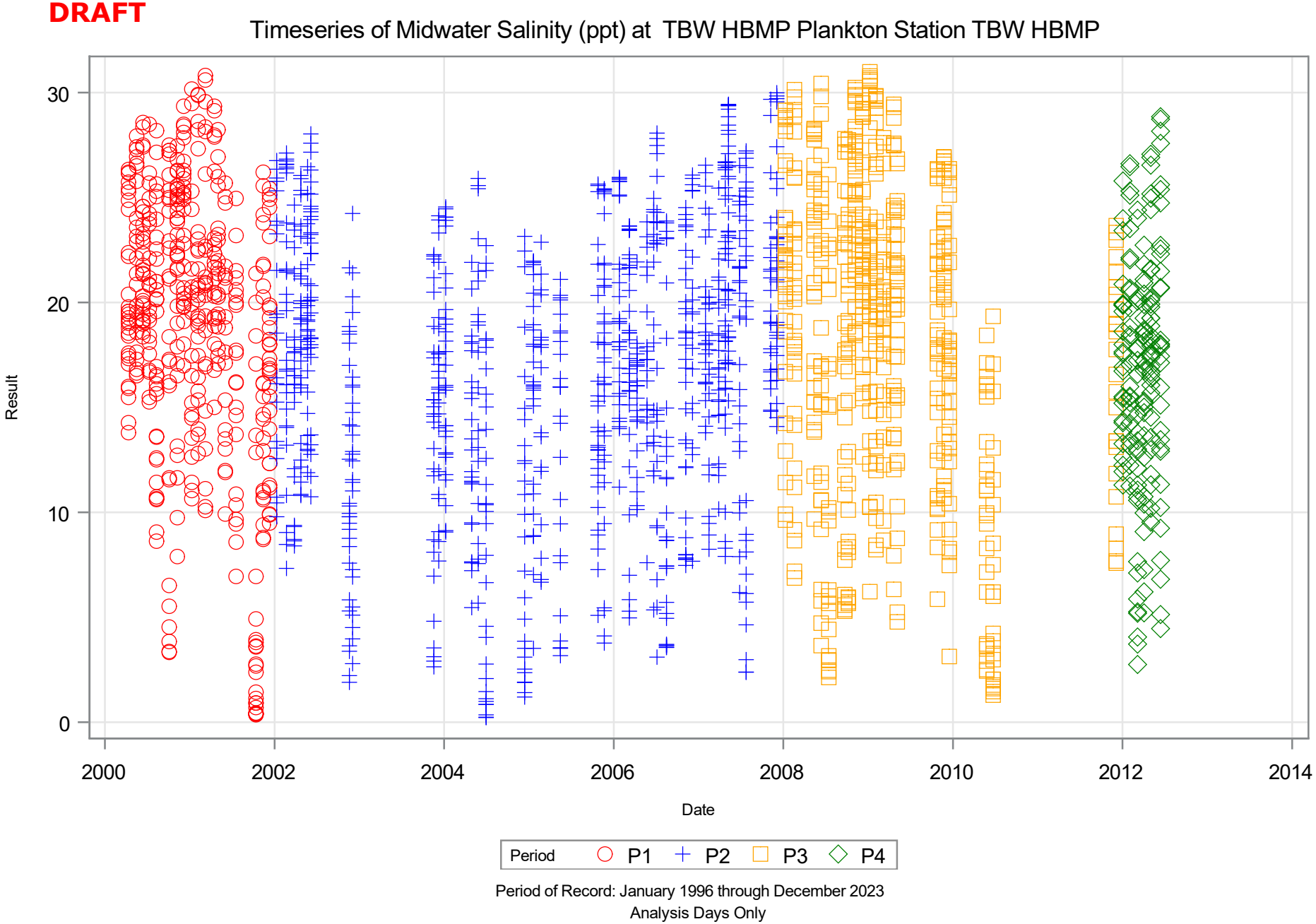
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP
Result
30
20
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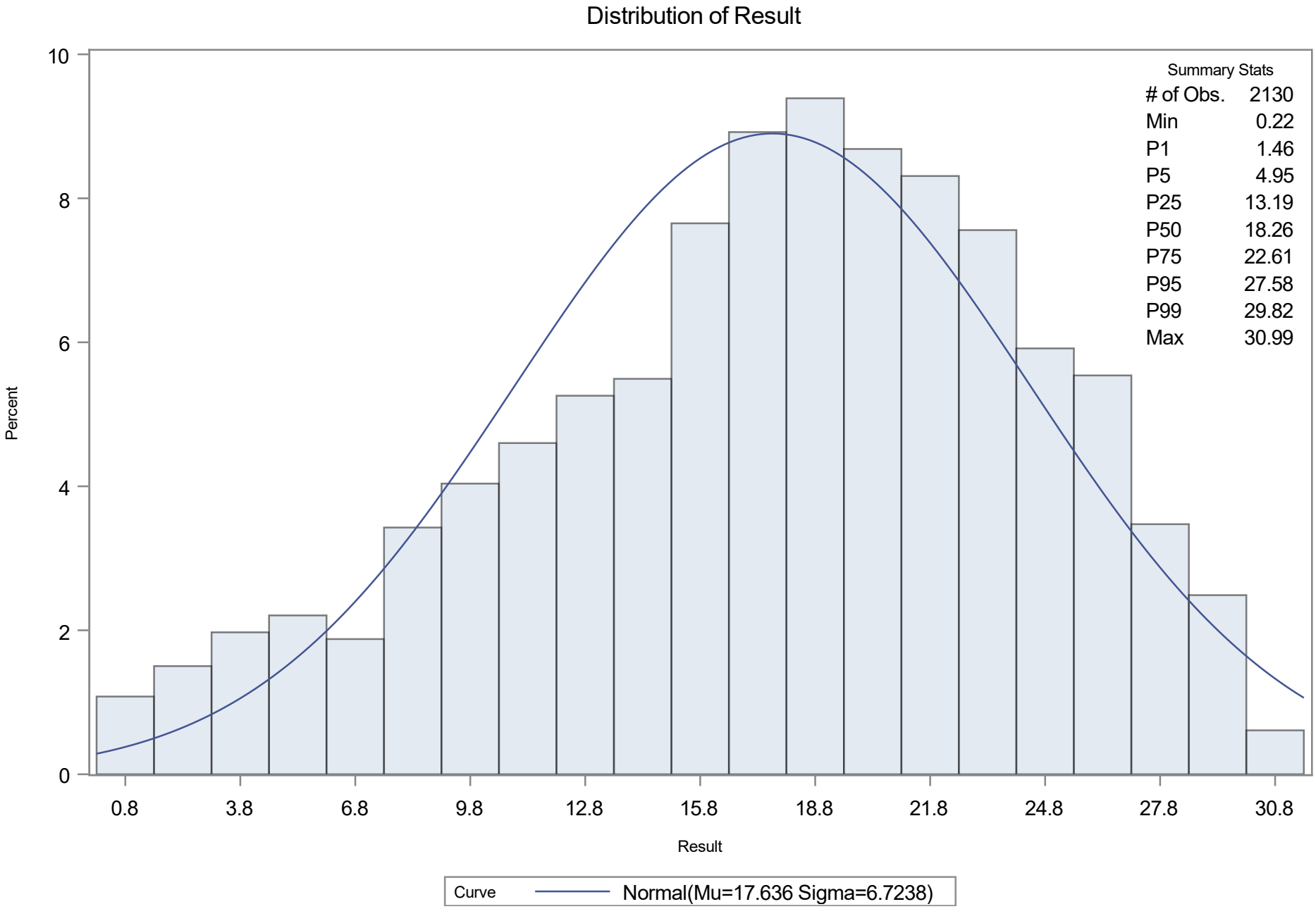
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.63596
Std Dev	Sigma	6.723817

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04582618	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.45613388	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.89121464	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.46000	1.99402
5.0	4.95000	6.57626
10.0	8.10000	9.01904
25.0	13.19000	13.10081
50.0	18.26000	17.63596
75.0	22.61000	22.17110
90.0	26.03500	26.25288
95.0	27.58000	28.69565
99.0	29.82000	33.27790

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	438	0.36	15.92	19.01	19.86	23.81	30.81
P2	949	0.22	12.43	16.67	17.24	21.62	29.99
P3	574	1.29	13.36	18.46	19.66	23.84	30.99
P4	169	2.75	13.03	16.70	17.13	20.20	28.85

Period of Record: January 1996 through December 2023
Analysis Days Only

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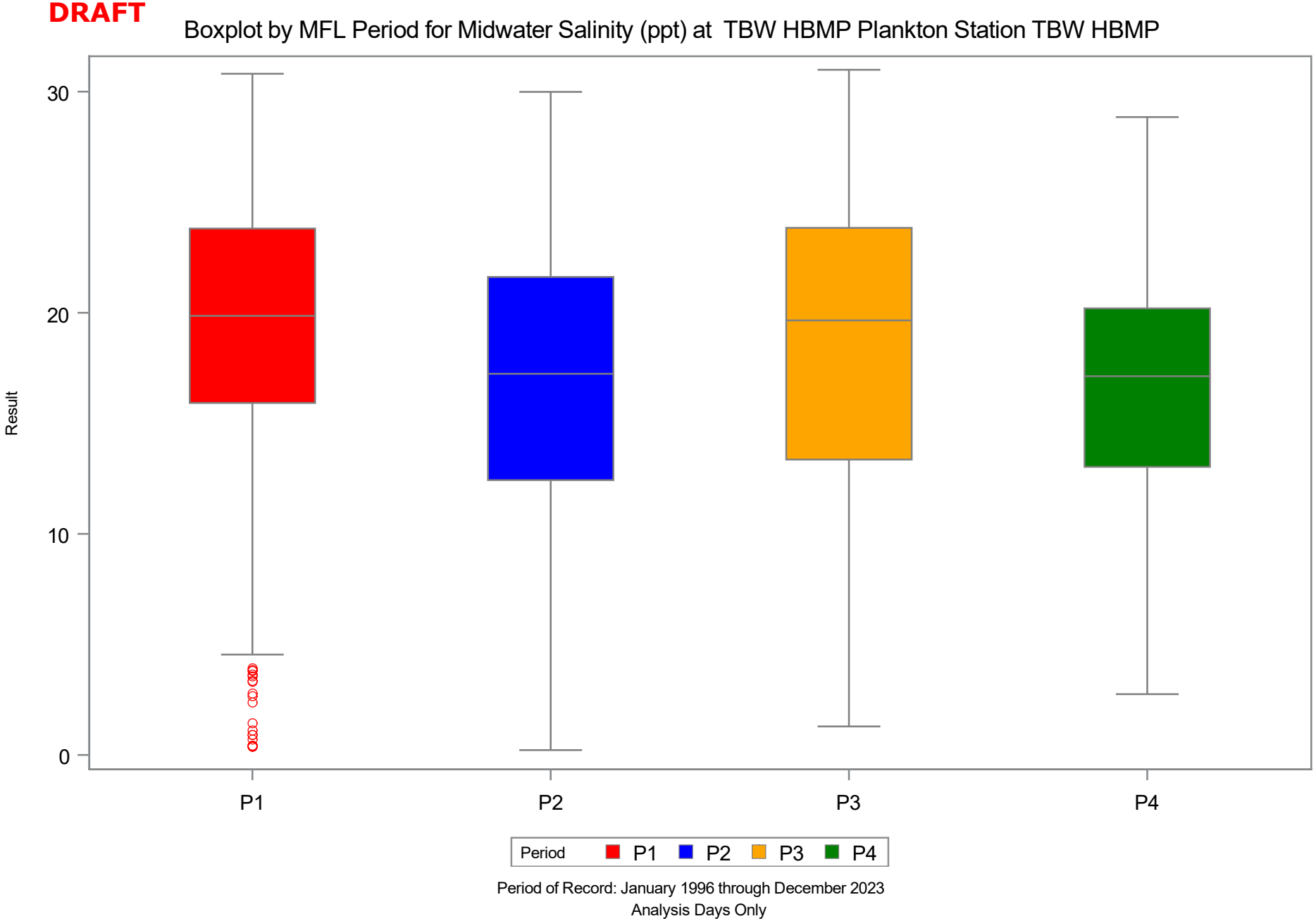
Boxplot by MFL Period for Midwater Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP
Result
30
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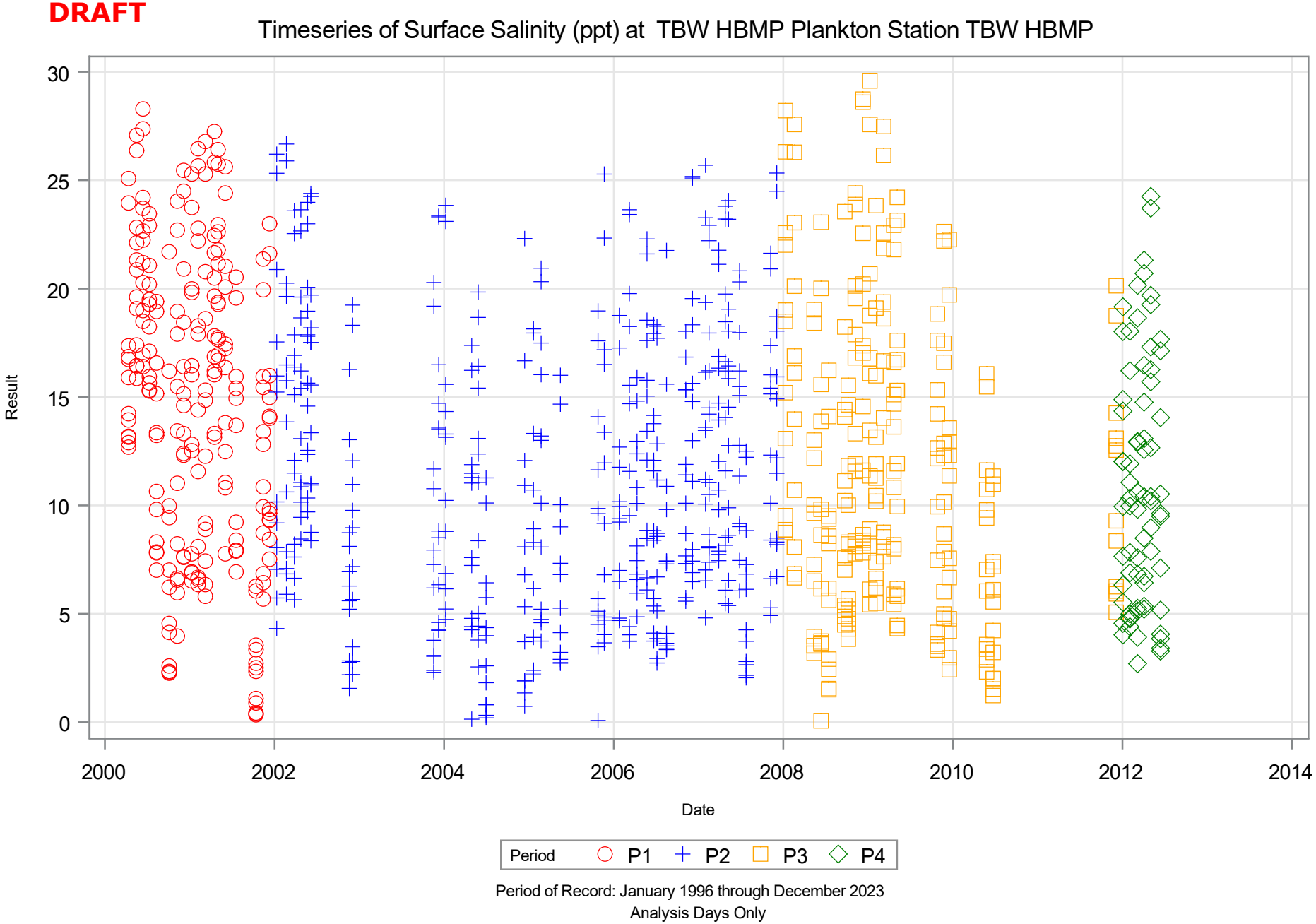
10
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP
Result
30
25
20
15
10
5
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2004
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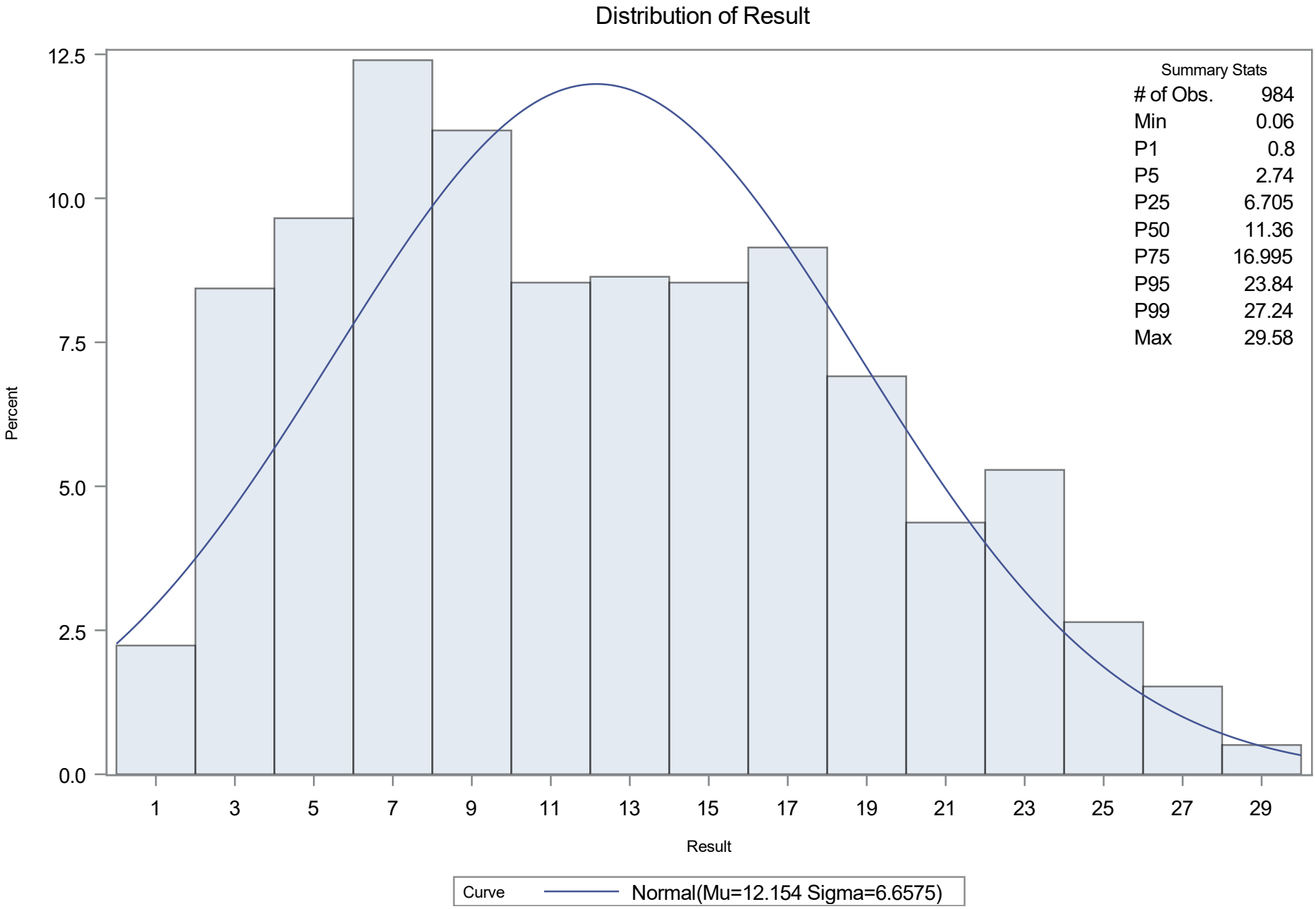
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.15402
Std Dev	Sigma	6.657452

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08084018	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.37485845	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.58972180	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.80000	-3.33353
5.0	2.74000	1.20349
10.0	3.85000	3.62216
25.0	6.70500	7.66364
50.0	11.36000	12.15402
75.0	16.99500	16.64441
90.0	21.85000	20.68589
95.0	23.84000	23.10456
99.0	27.24000	27.64157

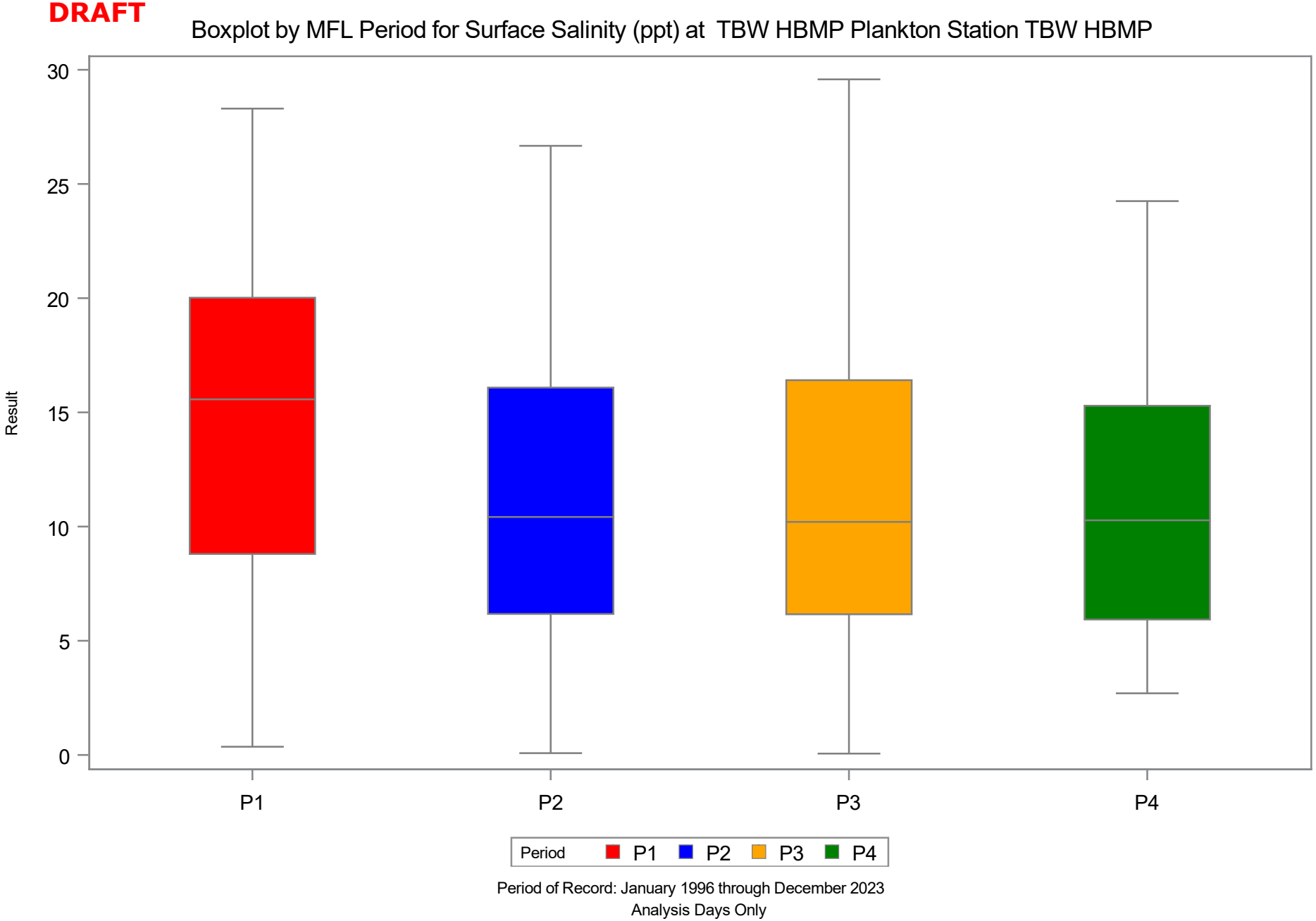
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP**

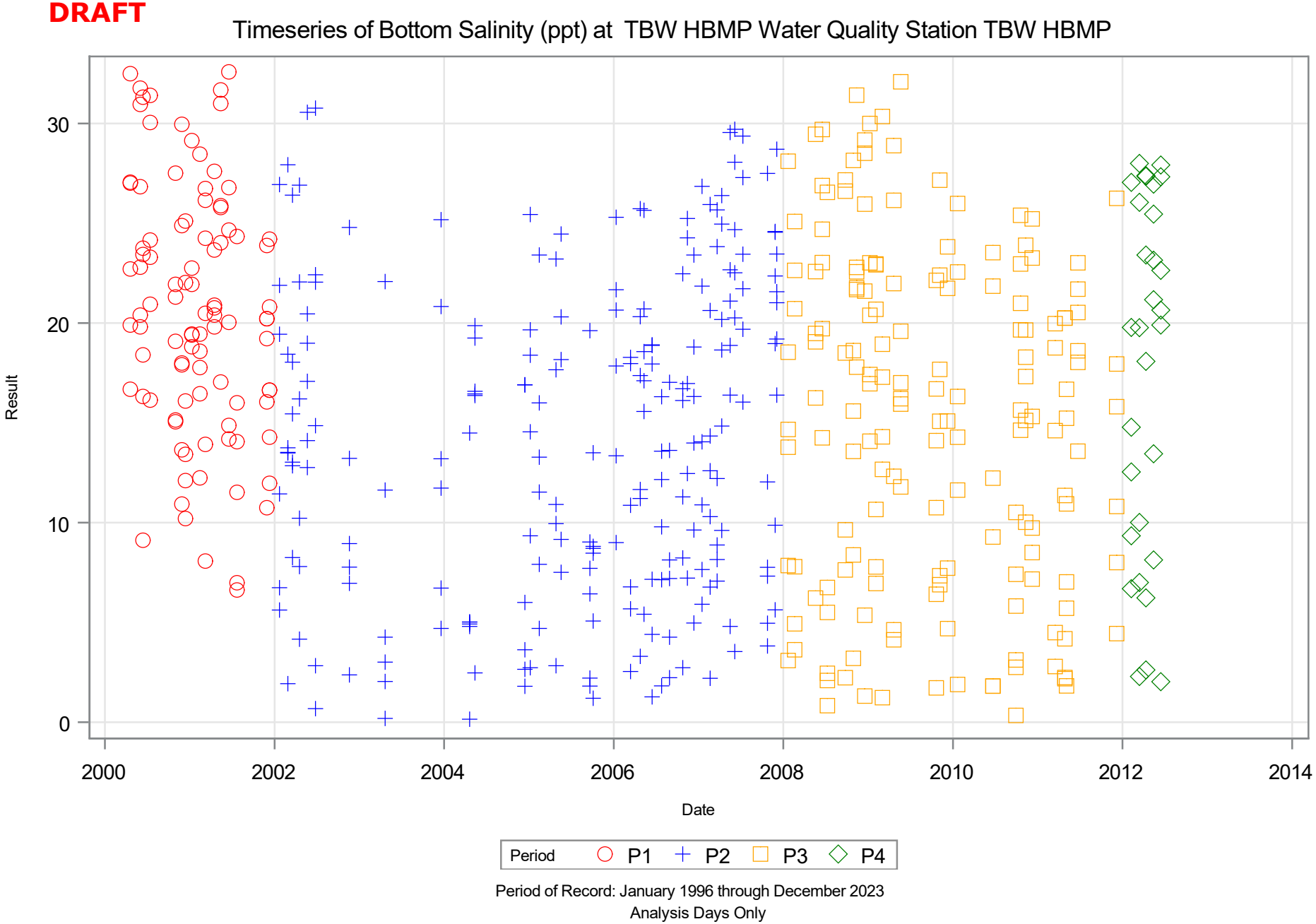
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	0.36	8.80	14.82	15.57	20.02	28.30
P2	456	0.08	6.18	11.31	10.42	16.09	26.67
P3	240	0.06	6.16	11.71	10.21	16.41	29.58
P4	72	2.70	5.93	10.96	10.28	15.29	24.25

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

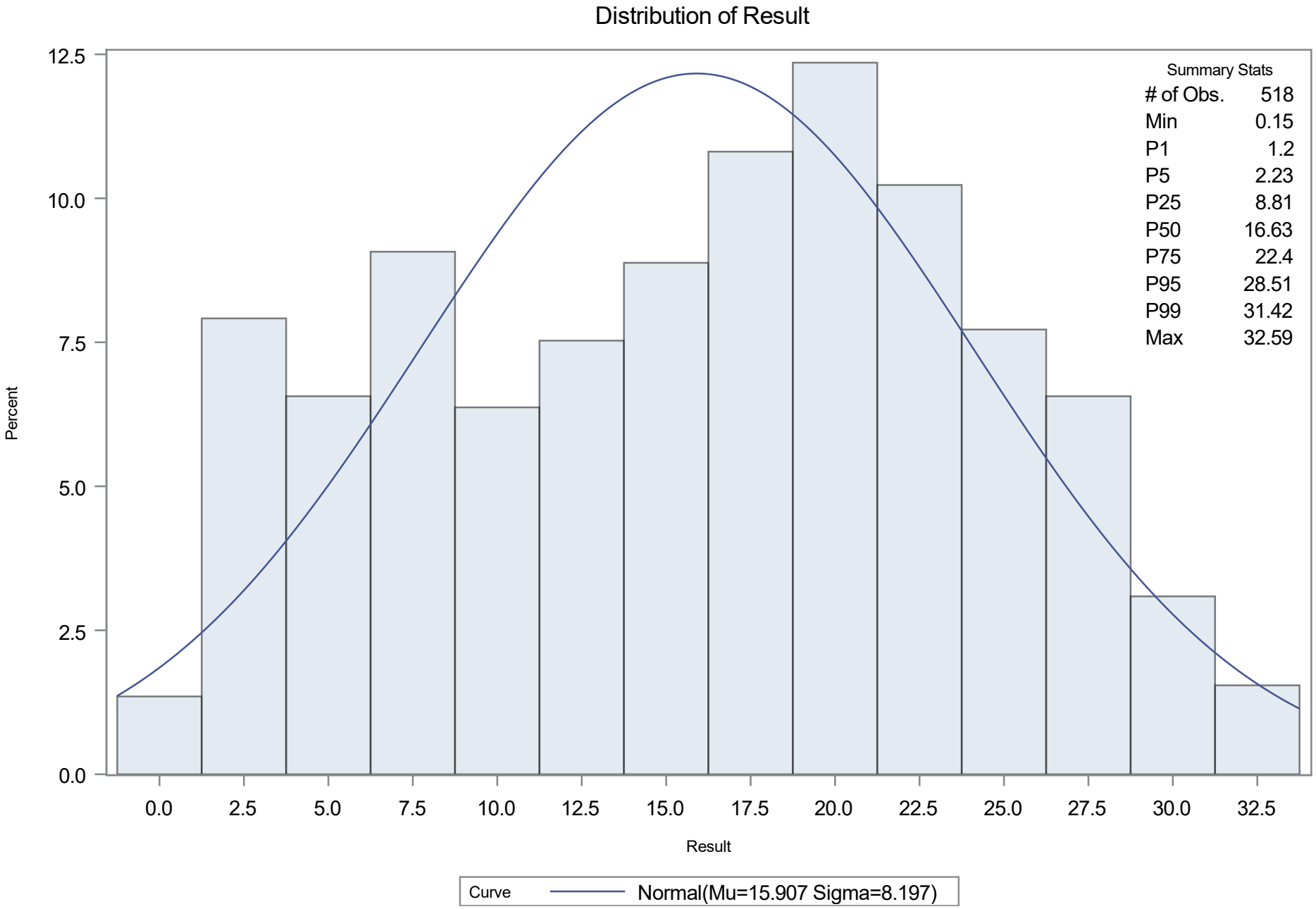

Boxplot by MFL Period for Surface Salinity (ppt) at TBW HBMP Plankton Station TBW HBMP
Result
30
25
20
15
10
5
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP
Result
30
20
10
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.90654
Std Dev	Sigma	8.197005

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06617783	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.57650621	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.89041697	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.20000	-3.16254
5.0	2.23000	2.42367
10.0	4.18000	5.40166
25.0	8.81000	10.37775
50.0	16.63000	15.90654
75.0	22.40000	21.43534
90.0	26.77000	26.41143
95.0	28.51000	29.38942
99.0	31.42000	34.97563

Period of Record: January 1996 through December 2023
Analysis Days Only

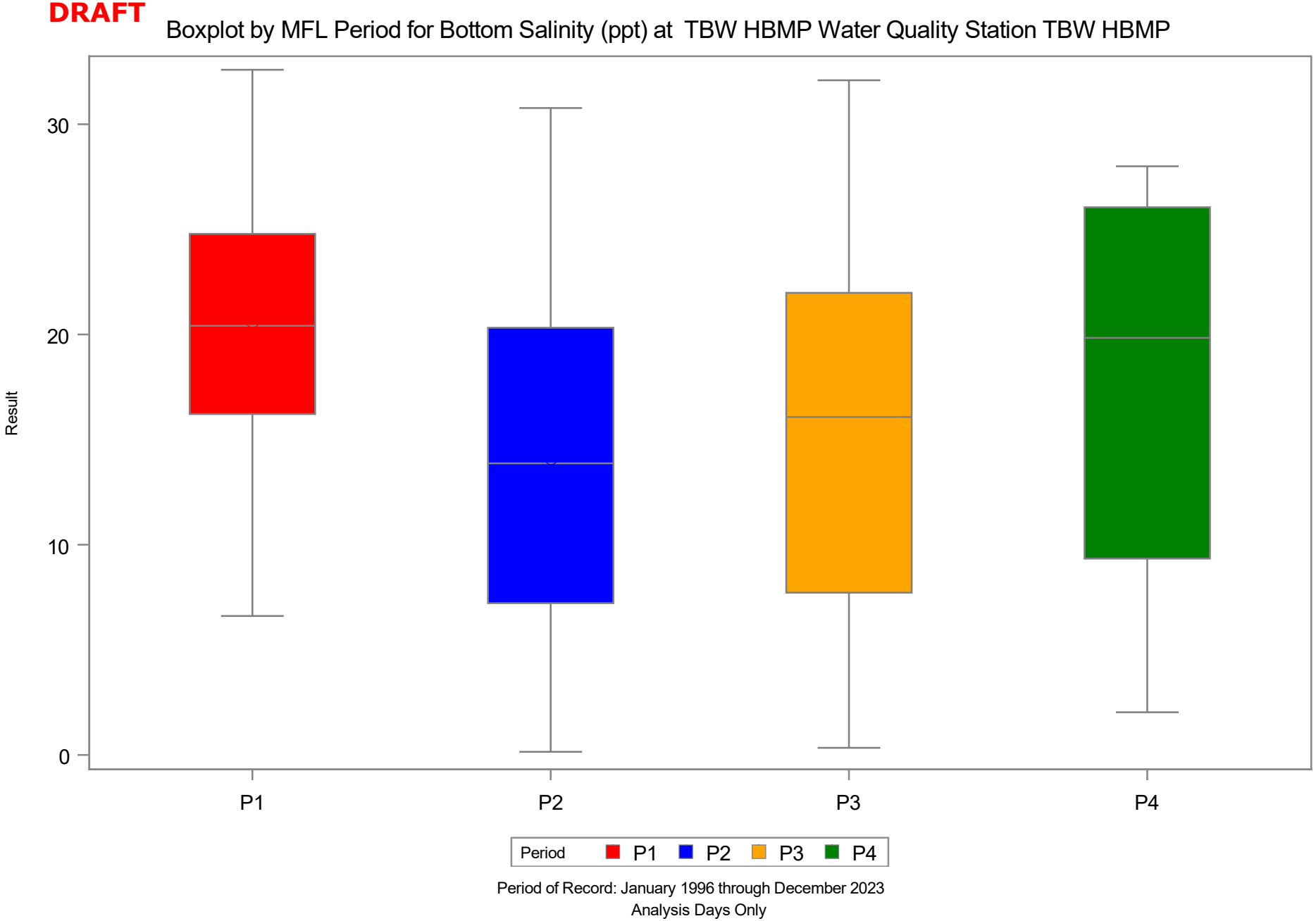
DRAFT

Distributional Statistics by Period for Bottom Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP

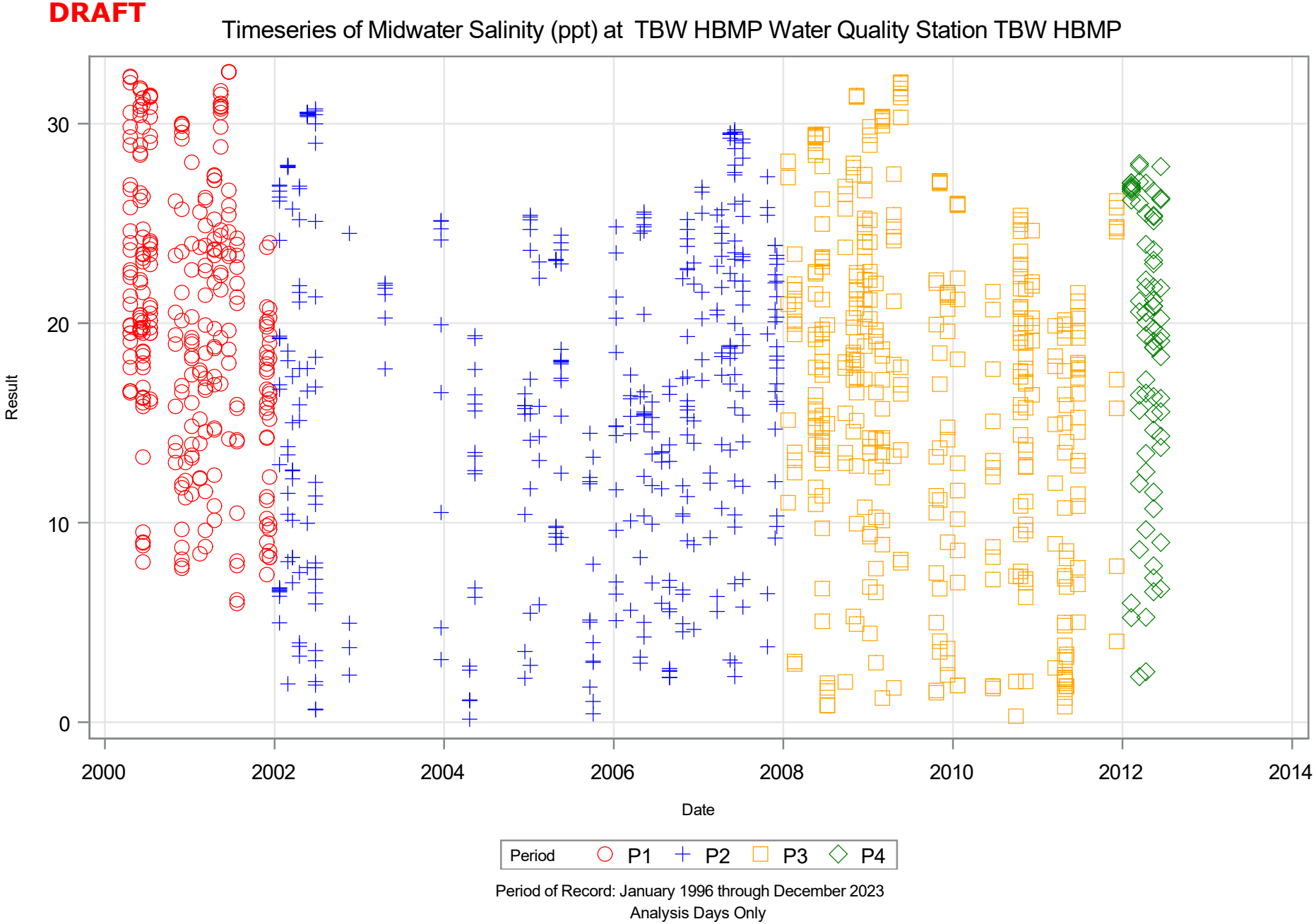
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	96	6.61	16.22	20.64	20.42	24.79	32.59
P2	226	0.15	7.22	14.12	13.87	20.32	30.77
P3	166	0.34	7.72	15.30	16.08	21.98	32.09
P4	30	2.03	9.34	17.57	19.84	26.05	28.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

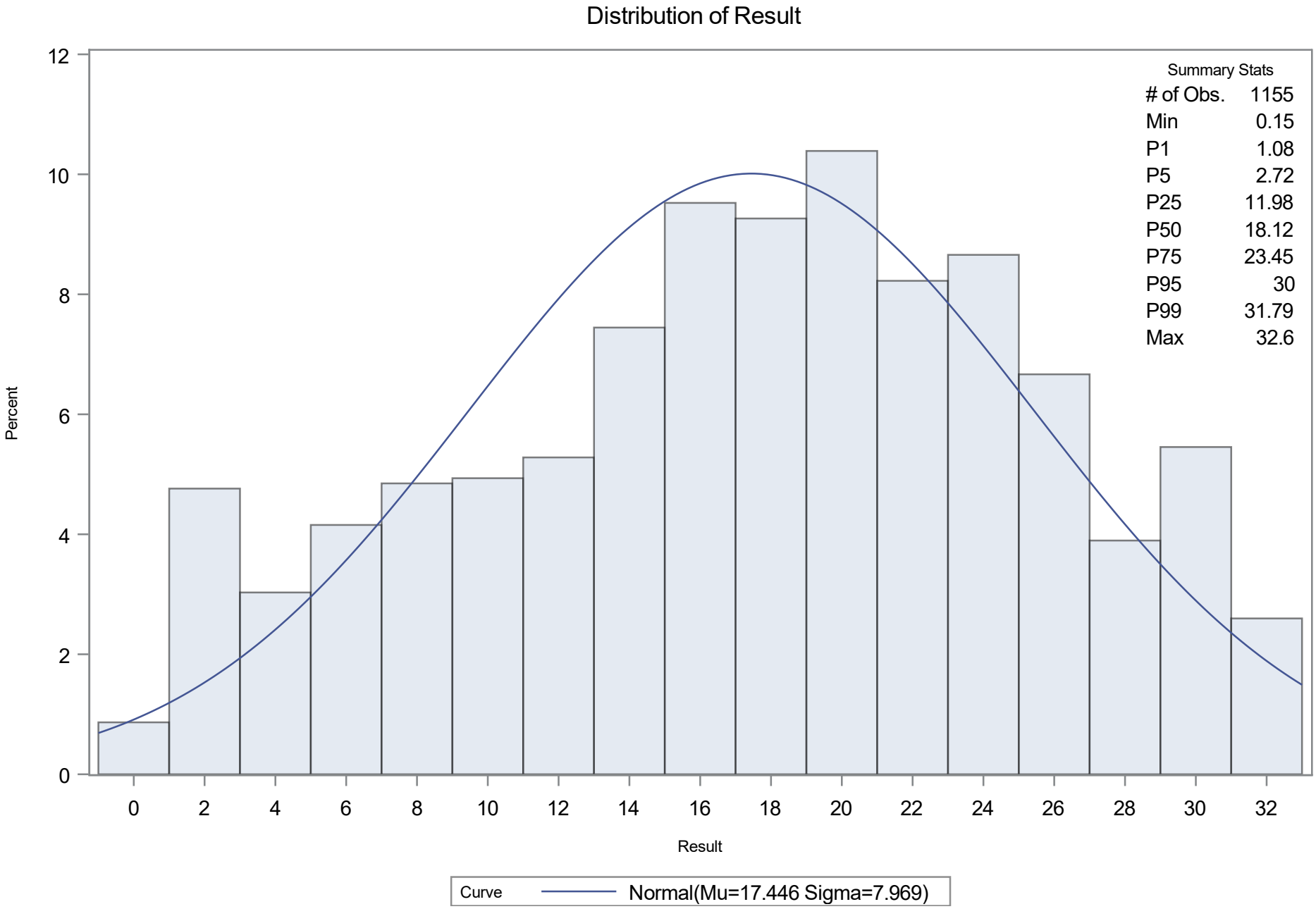
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.44558
Std Dev	Sigma	7.969009

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03859607	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.66682103	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.17005050	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.08000	-1.09310
5.0	2.72000	4.33773
10.0	5.89000	7.23289
25.0	11.98000	12.07057
50.0	18.12000	17.44558
75.0	23.45000	22.82060
90.0	27.82000	27.65828
95.0	30.00000	30.55344
99.0	31.79000	35.98427

Period of Record: January 1996 through December 2023
Analysis Days Only

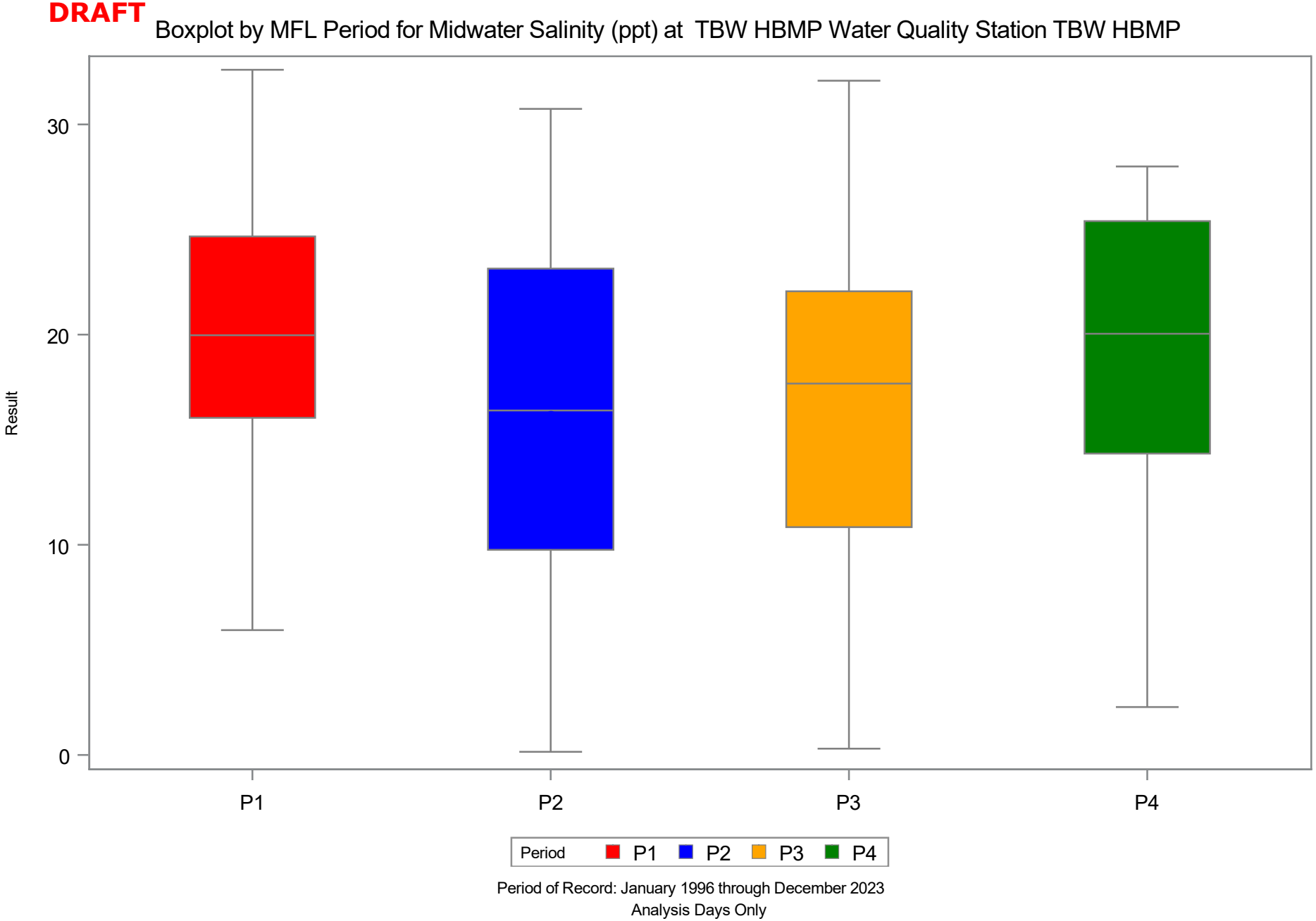
DRAFT

Distributional Statistics by Period for Midwater Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP

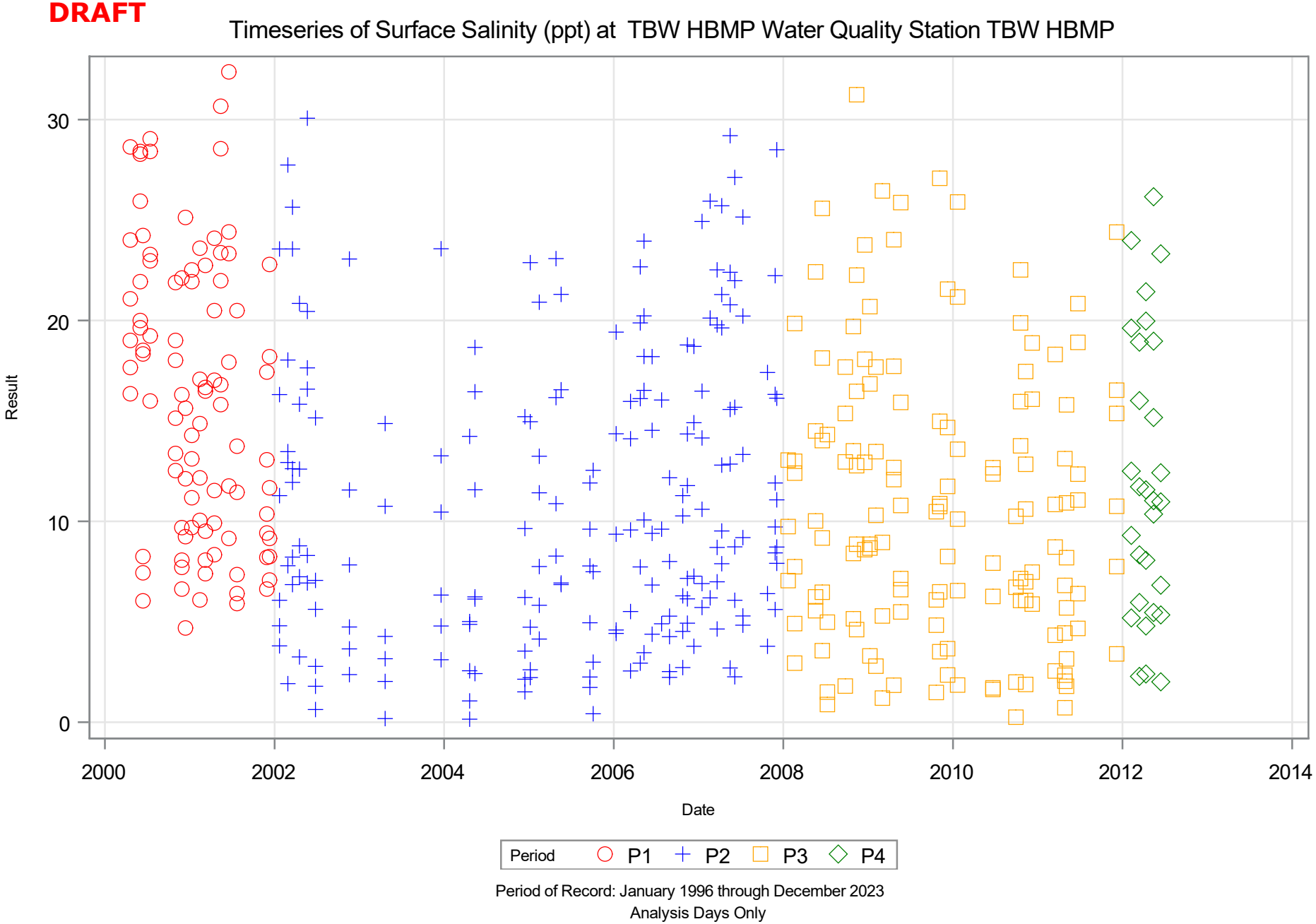
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	287	5.94	16.04	20.42	19.97	24.67	32.60
P2	406	0.15	9.76	16.03	16.39	23.14	30.74
P3	389	0.30	10.84	16.49	17.67	22.06	32.08
P4	73	2.28	14.34	18.72	20.04	25.40	28.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

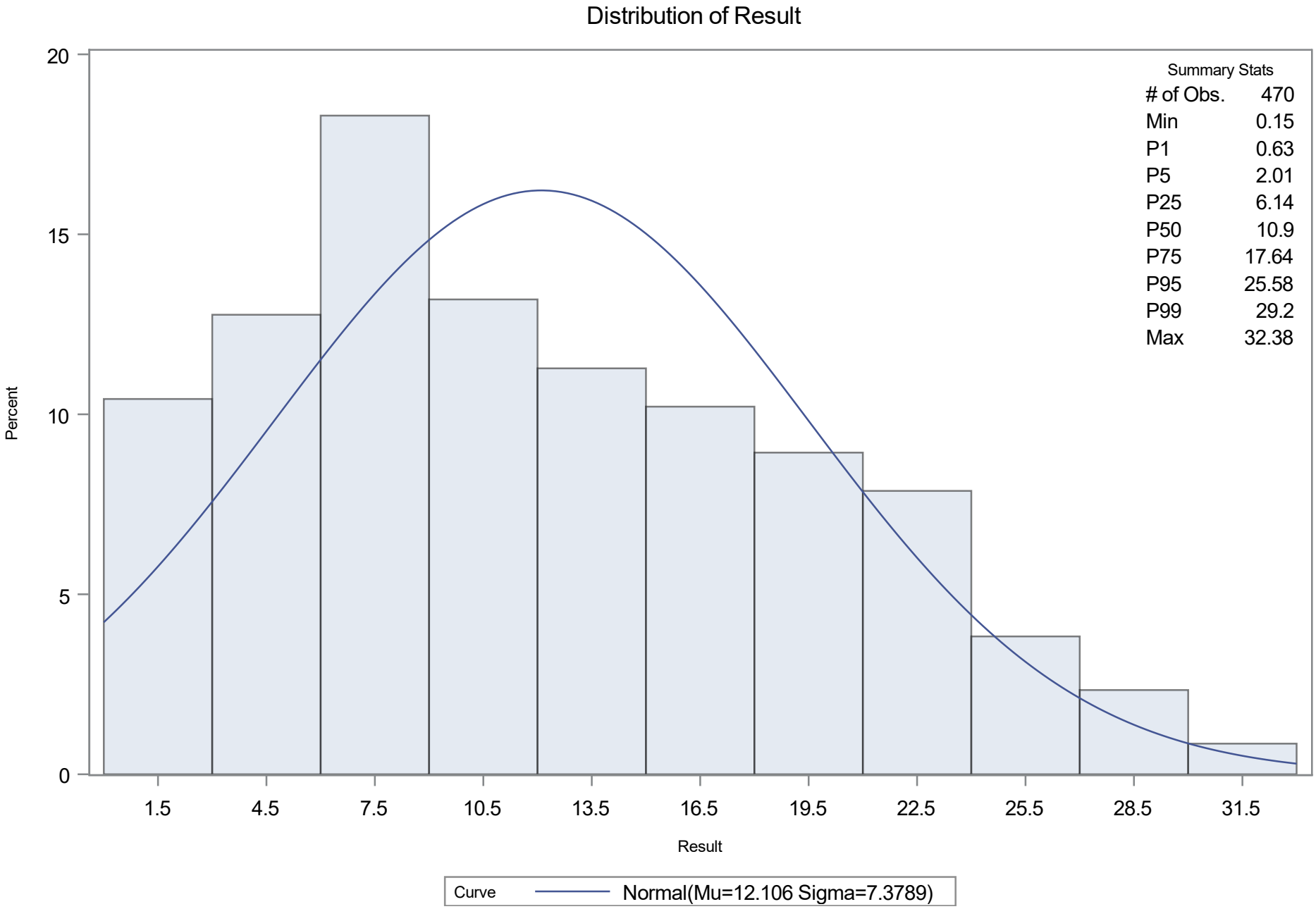

Boxplot by MFL Period for Midwater Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP
Result
30
20
10
0
2000
2002
2004
2006
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.10574
Std Dev	Sigma	7.378851

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08445611	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.87091468	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.45057383	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.63000	-5.06003
5.0	2.01000	-0.03138
10.0	2.94000	2.64937
25.0	6.14000	7.12879
50.0	10.90000	12.10574
75.0	17.64000	17.08270
90.0	22.91500	21.56212
95.0	25.58000	24.24287
99.0	29.20000	29.27152

Period of Record: January 1996 through December 2023
Analysis Days Only

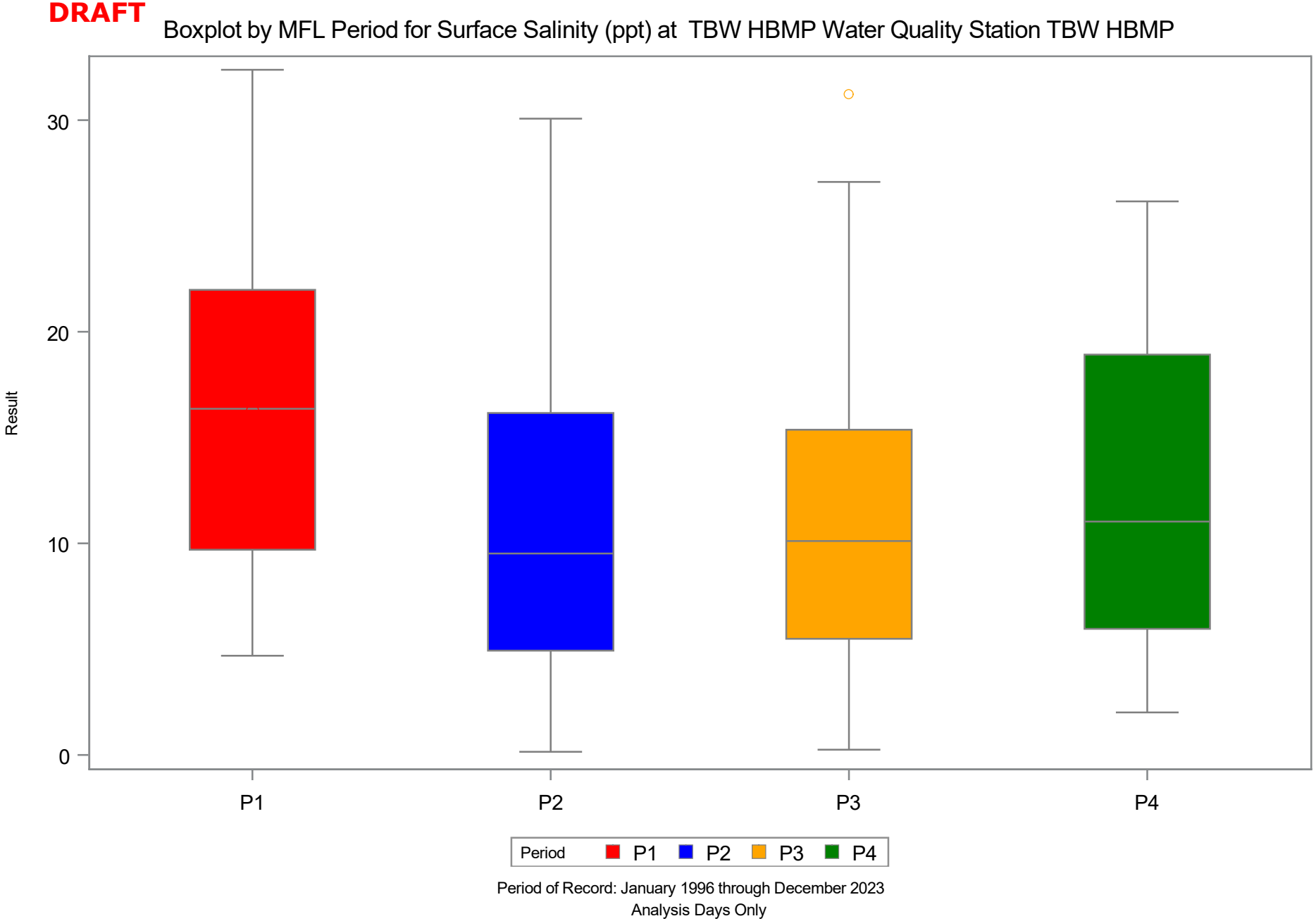
DRAFT

Distributional Statistics by Period for Surface Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	95	4.69	9.70	16.24	16.36	21.98	32.38
P2	203	0.15	4.93	11.08	9.52	16.16	30.07
P3	143	0.25	5.49	10.83	10.11	15.37	31.24
P4	29	2.01	5.96	12.07	11.03	18.92	26.16

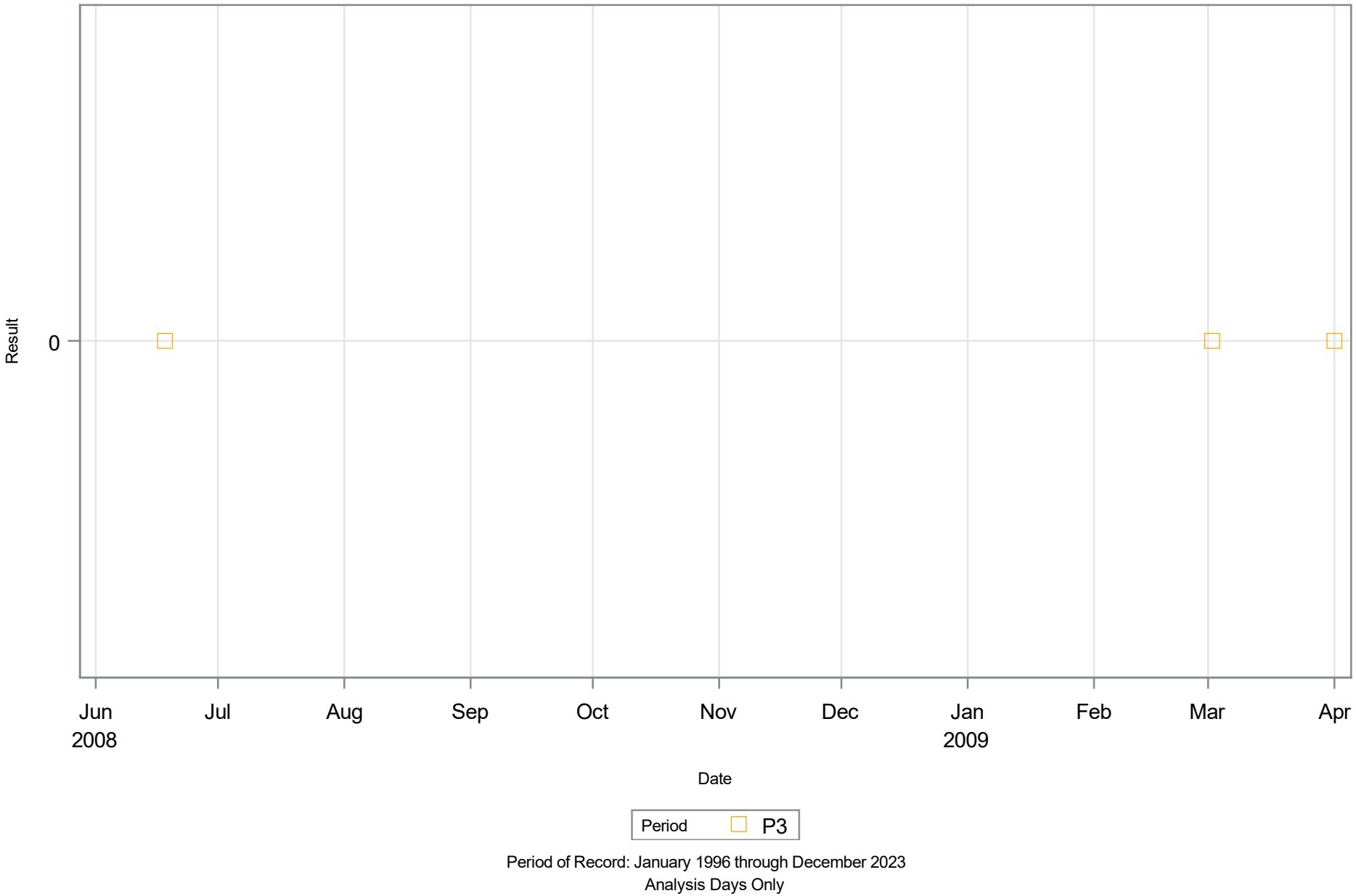
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity (ppt) at TBW HBMP Water Quality Station TBW HBMP
Result
30
20
10
0
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

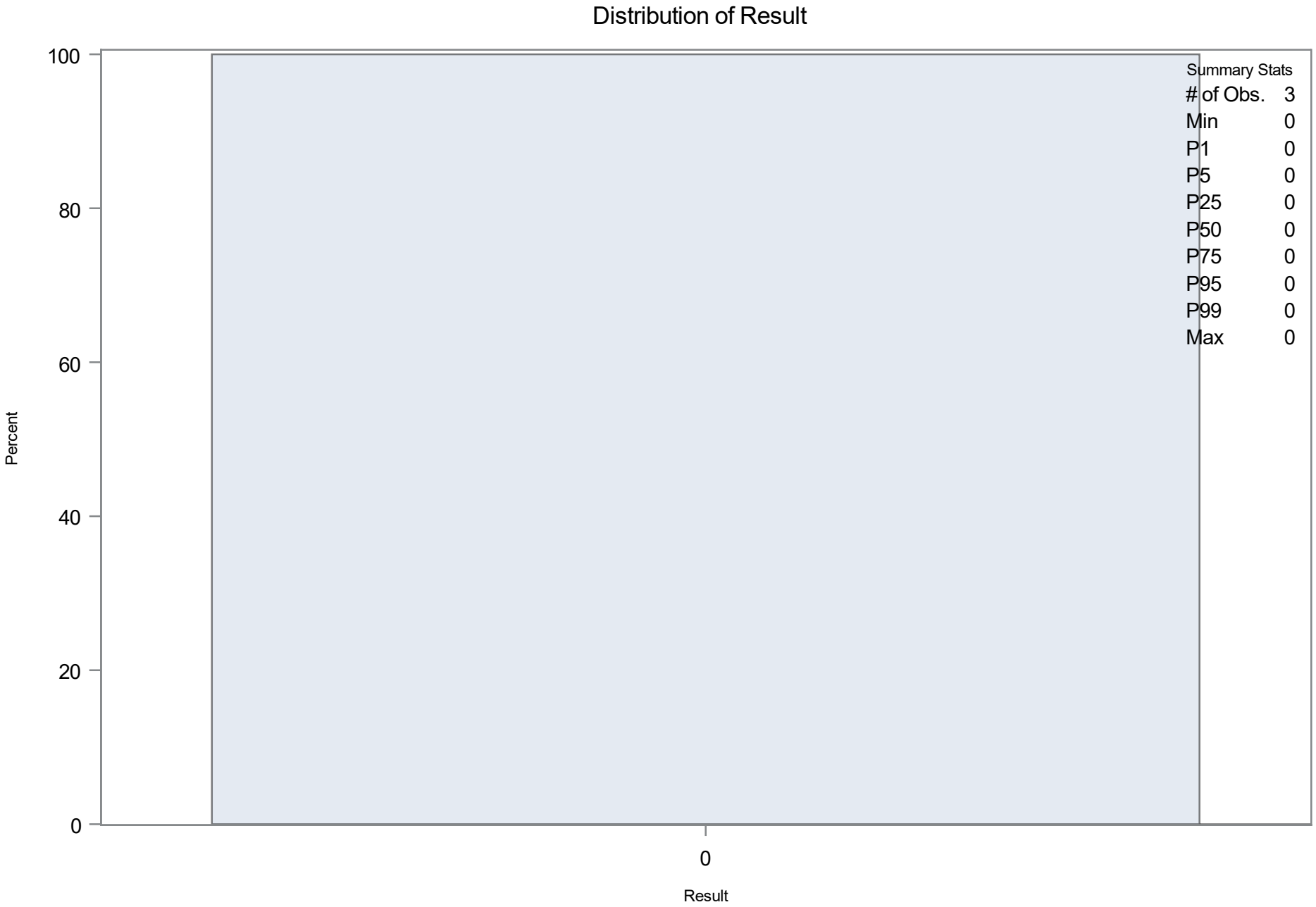
Timeseries of Surface Salinity (Calculated) (ppt) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity (Calculated) (ppt) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

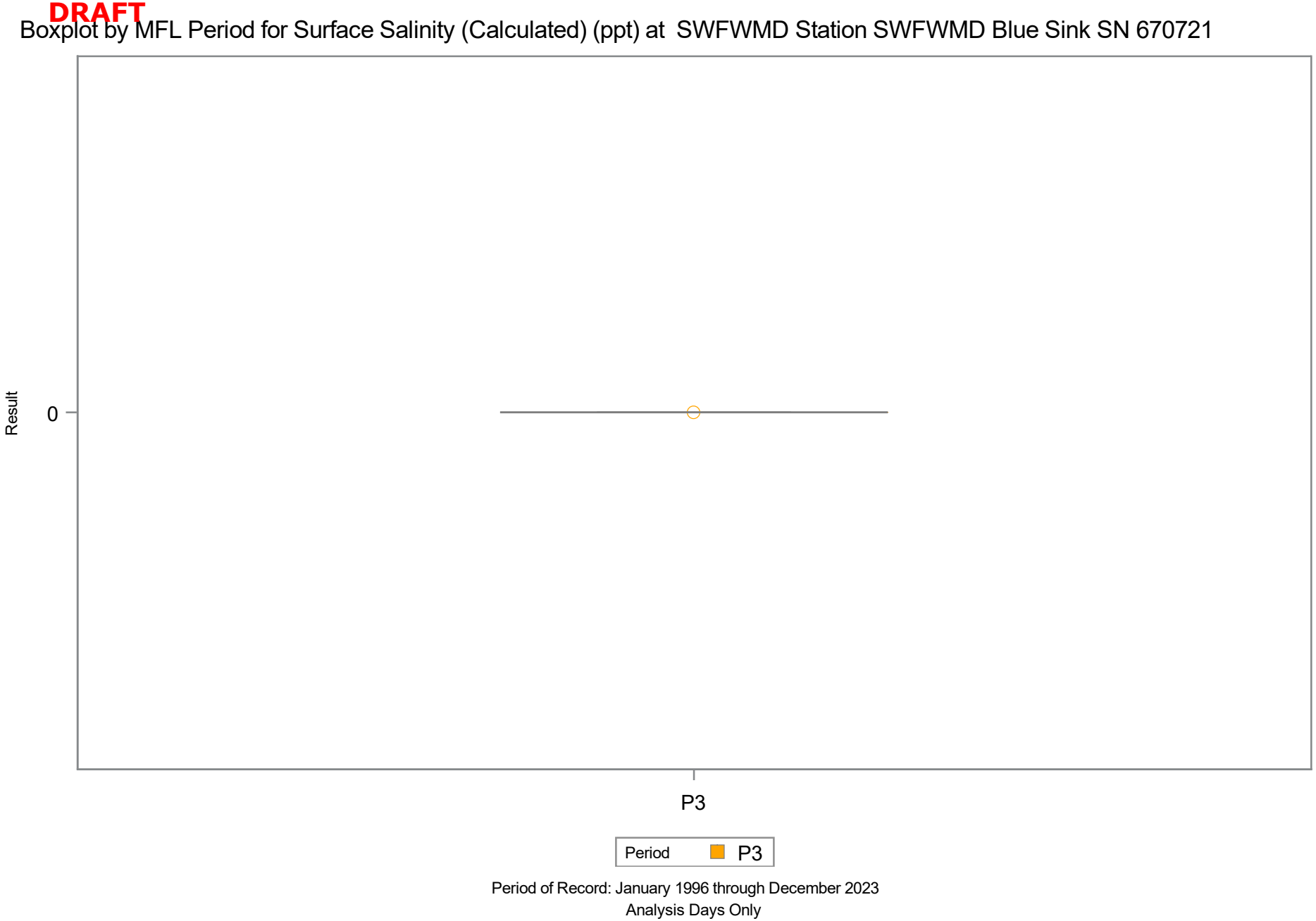
DRAFT

Distributional Statistics by Period for Surface Salinity (Calculated) (ppt) at SWFWMD Station SWFWMD Blue Sink SN 670721

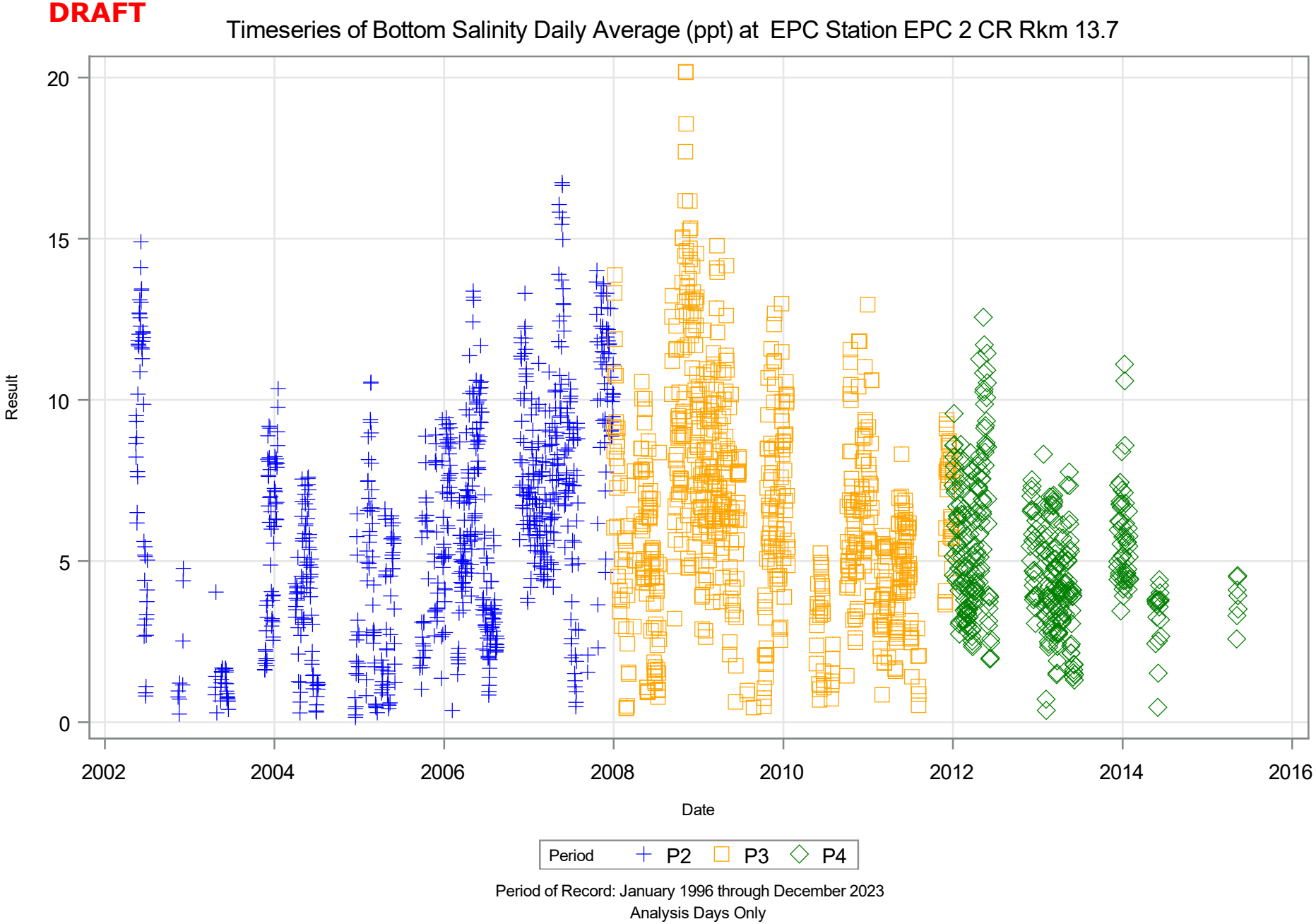
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	3	0.00	0.00	0.00	0.00	0.00	0.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

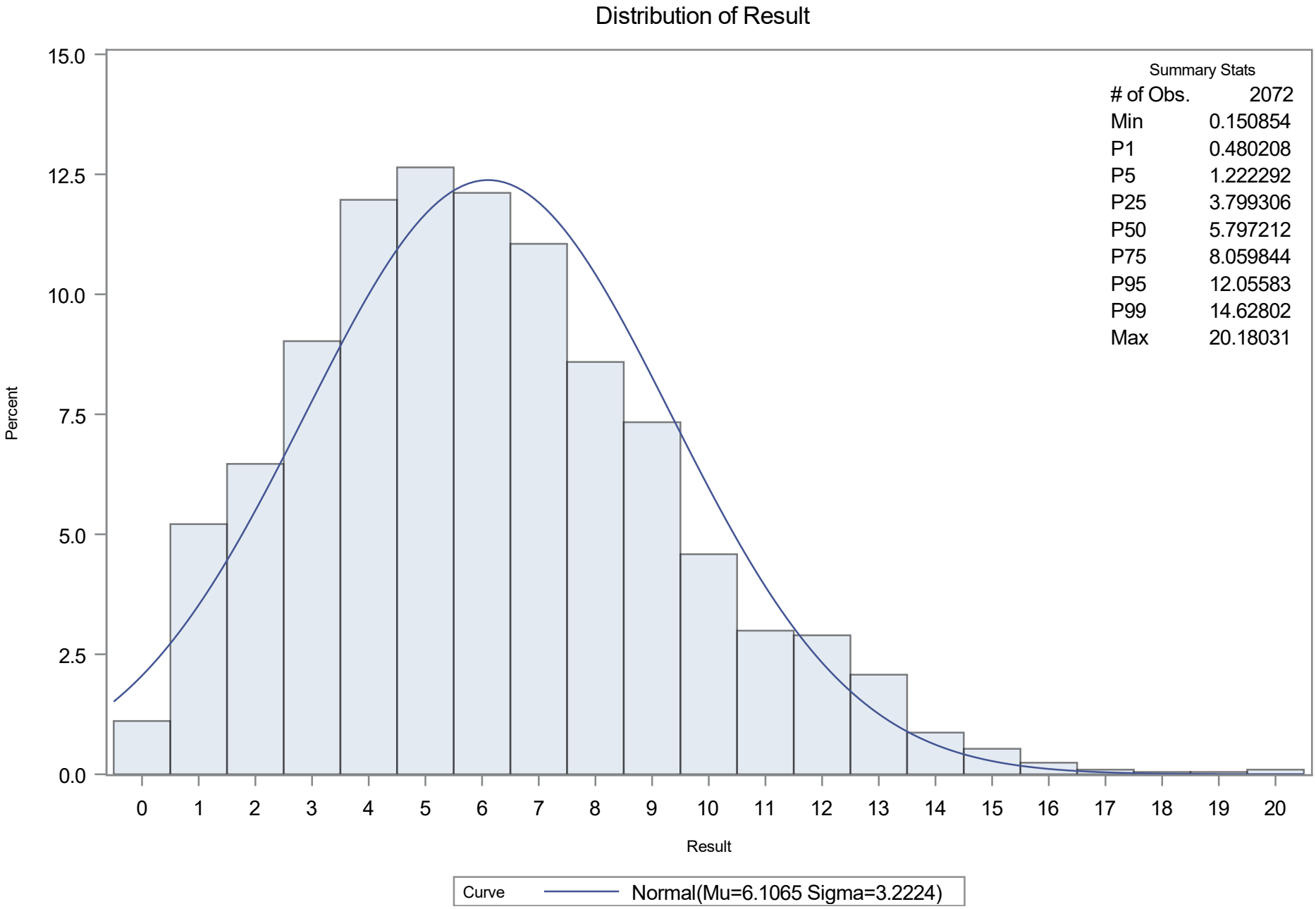

Boxplot by MFL Period for Surface Salinity (Calculated) (ppt) at SWFWMD Station SWFWMD Blue Sink SN 670721
Result
0
P3
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7
Result
20
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	6.106535
Std Dev	Sigma	3.222385

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04113298	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.24565185	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.62746020	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.48021	-1.38985
5.0	1.22229	0.80618
10.0	2.01906	1.97688
25.0	3.79931	3.93307
50.0	5.79721	6.10653
75.0	8.05984	8.28000
90.0	10.47977	10.23619
95.0	12.05583	11.40689
99.0	14.62802	13.60292

Period of Record: January 1996 through December 2023
Analysis Days Only

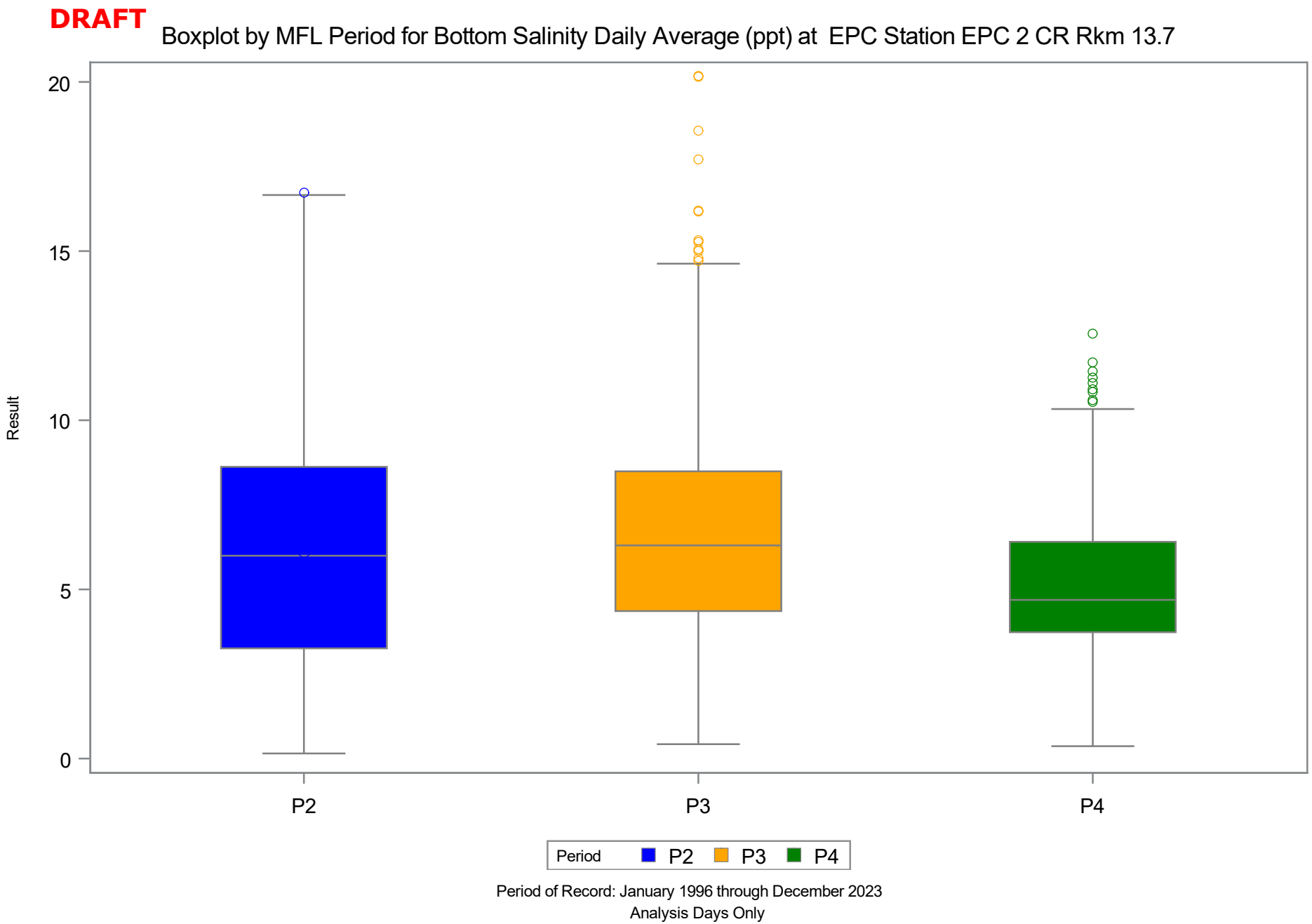
DRAFT

Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7

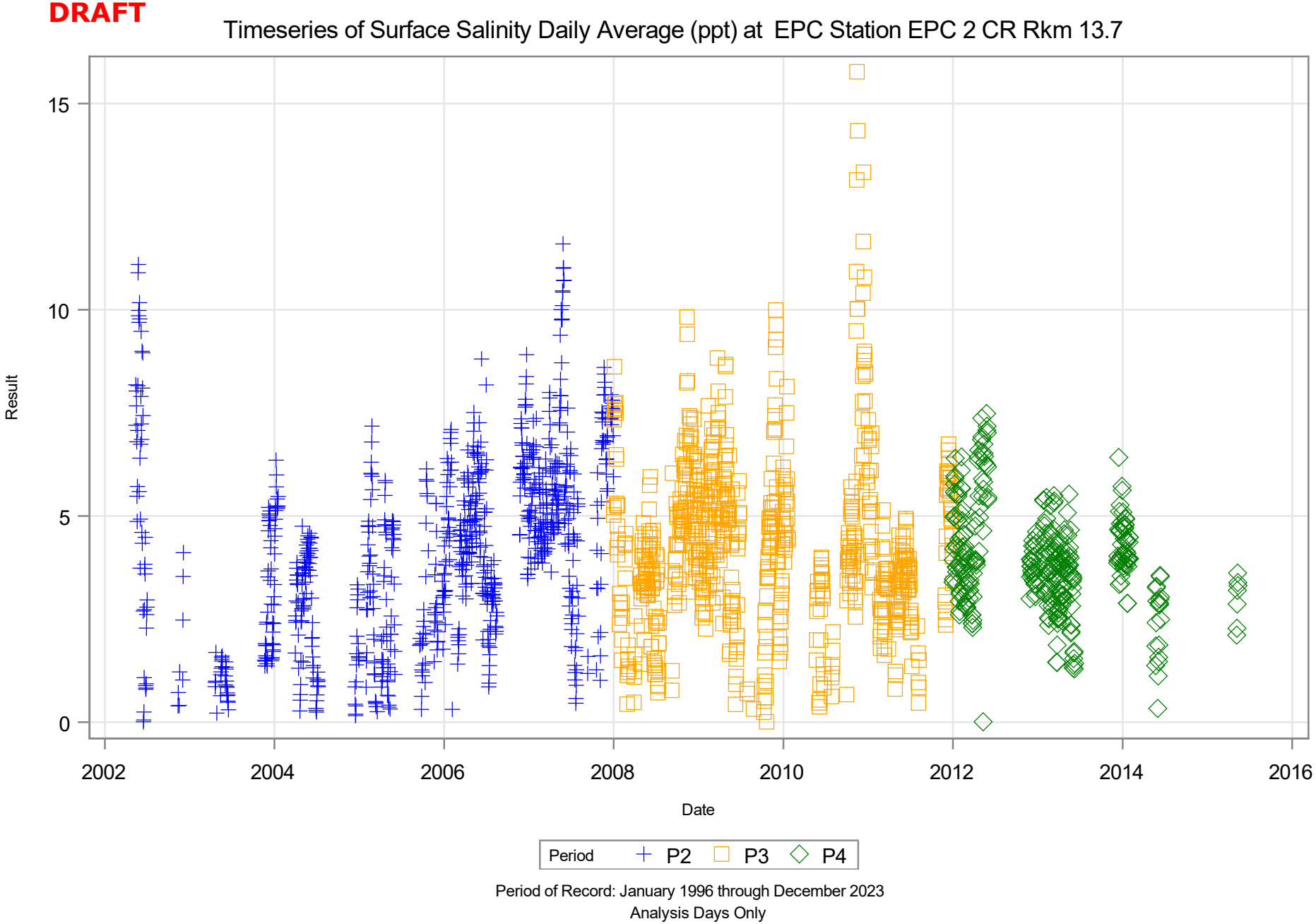
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	910	0.15	3.26	6.14	6.00	8.62	16.74
P3	767	0.43	4.36	6.60	6.30	8.49	20.18
P4	395	0.37	3.74	5.08	4.69	6.41	12.56

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

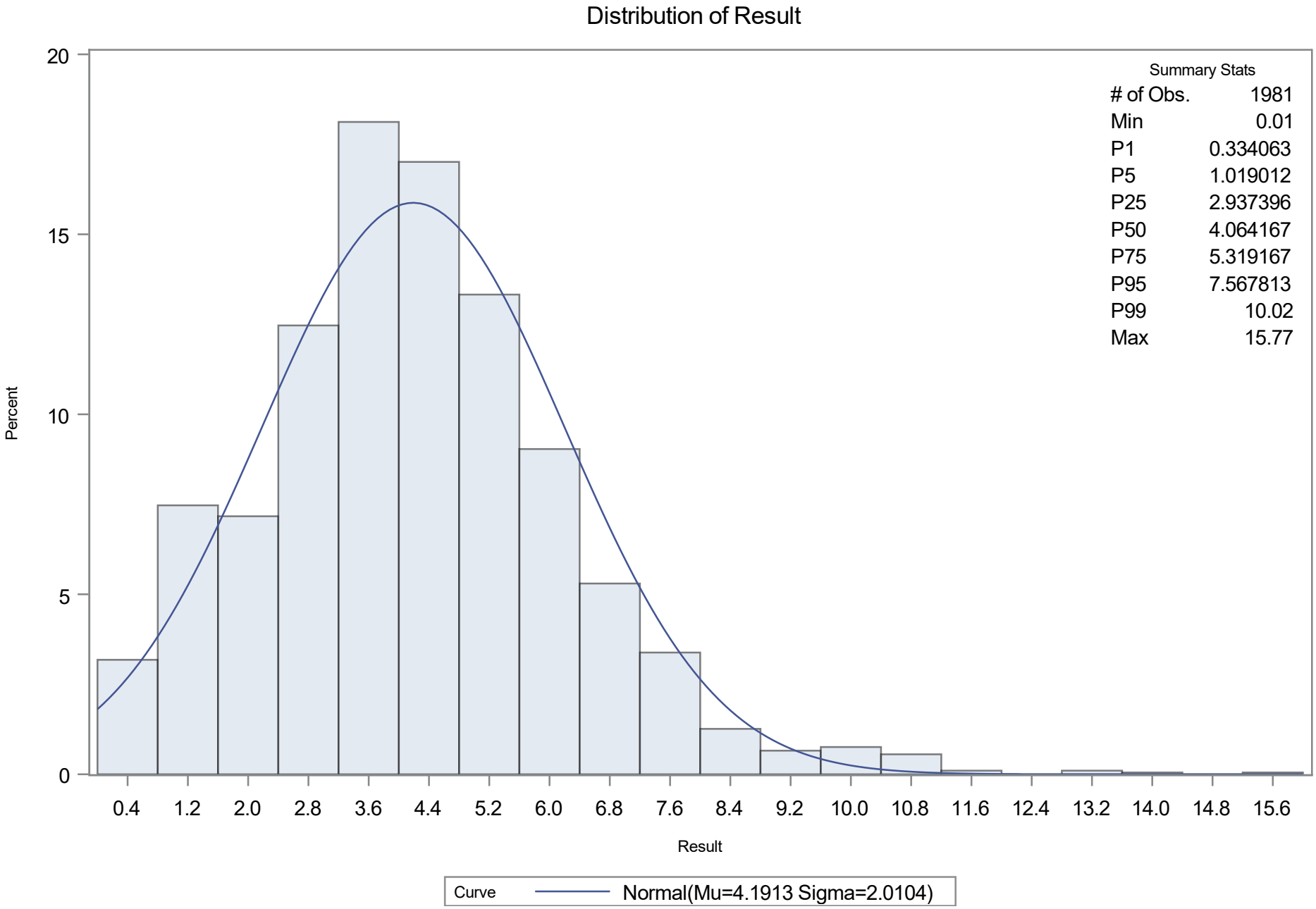

Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7
Result
20
15
10
5
0
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7
Result
15
10
5
0
2002
2004
2006
2008
2010
2012
2014
2016
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.191316
Std Dev	Sigma	2.010375

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04197545	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.85632199	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.79188017	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.33406	-0.48552
5.0	1.01901	0.88454
10.0	1.53333	1.61492
25.0	2.93740	2.83534
50.0	4.06417	4.19132
75.0	5.31917	5.54729
90.0	6.68958	6.76772
95.0	7.56781	7.49809
99.0	10.02000	8.86815

Period of Record: January 1996 through December 2023
Analysis Days Only

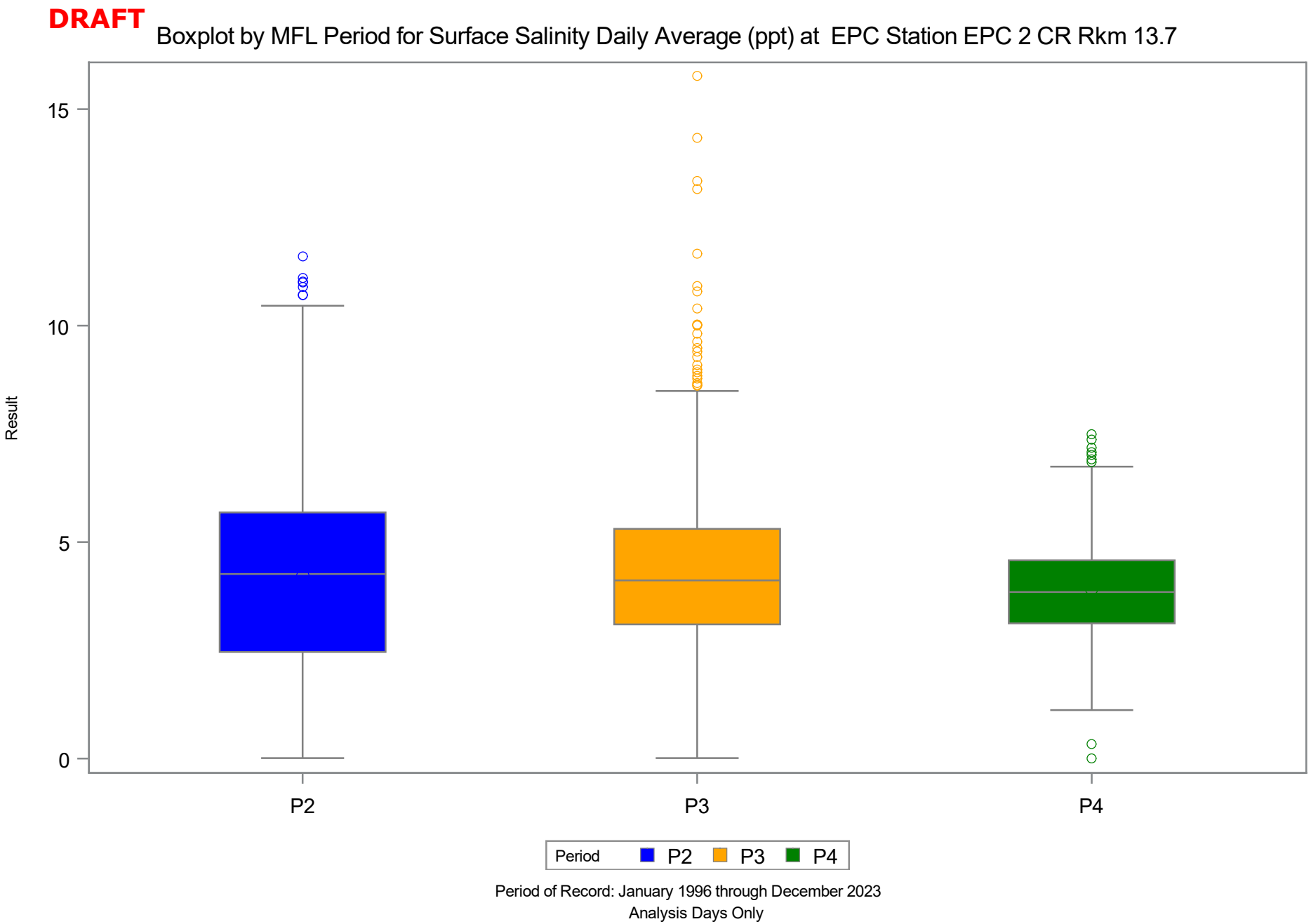
DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7

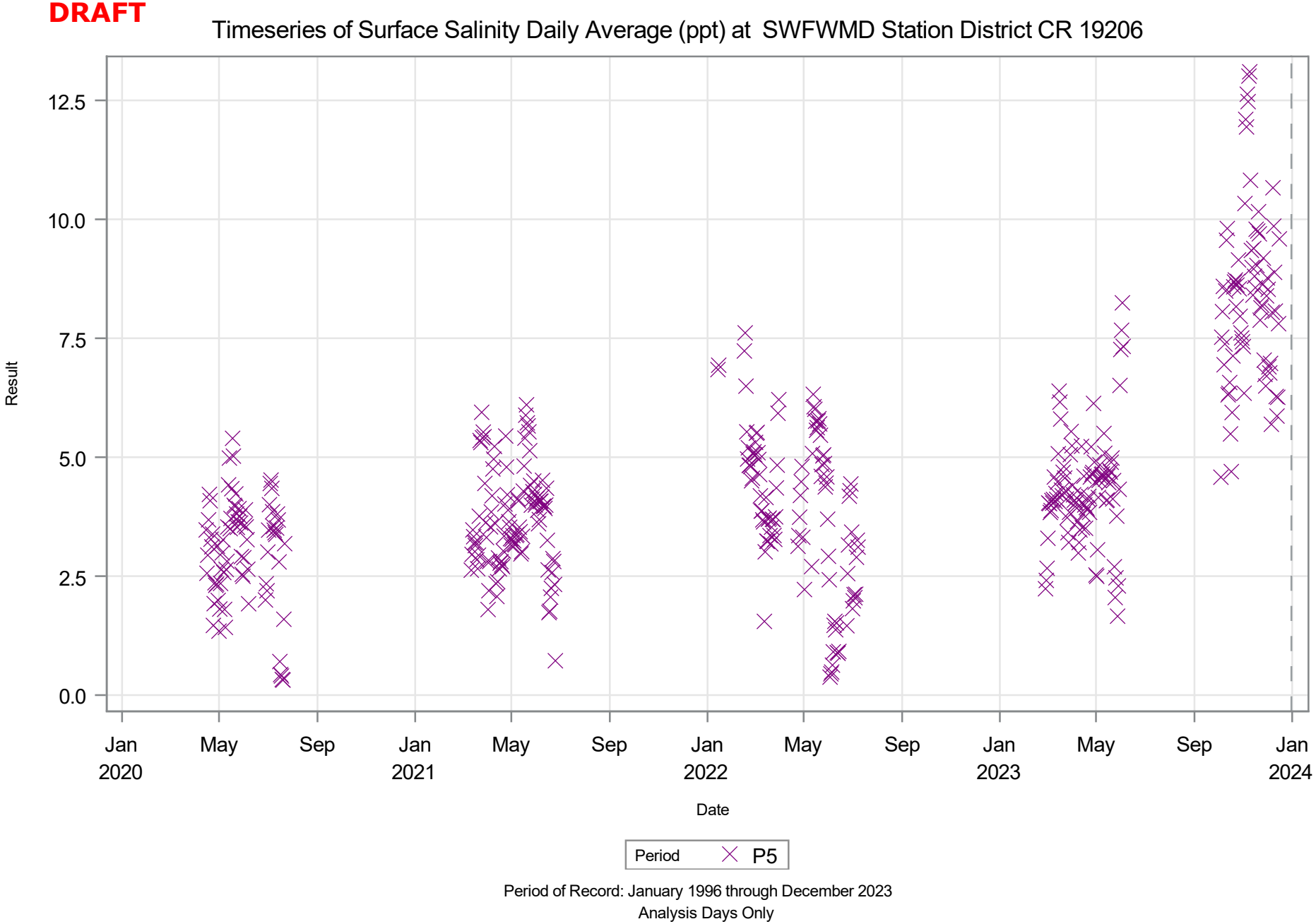
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	894	0.01	2.46	4.21	4.26	5.68	11.60
P3	741	0.01	3.10	4.29	4.12	5.31	15.77
P4	346	0.01	3.12	3.92	3.85	4.58	7.48

Period of Record: January 1996 through December 2023
Analysis Days Only

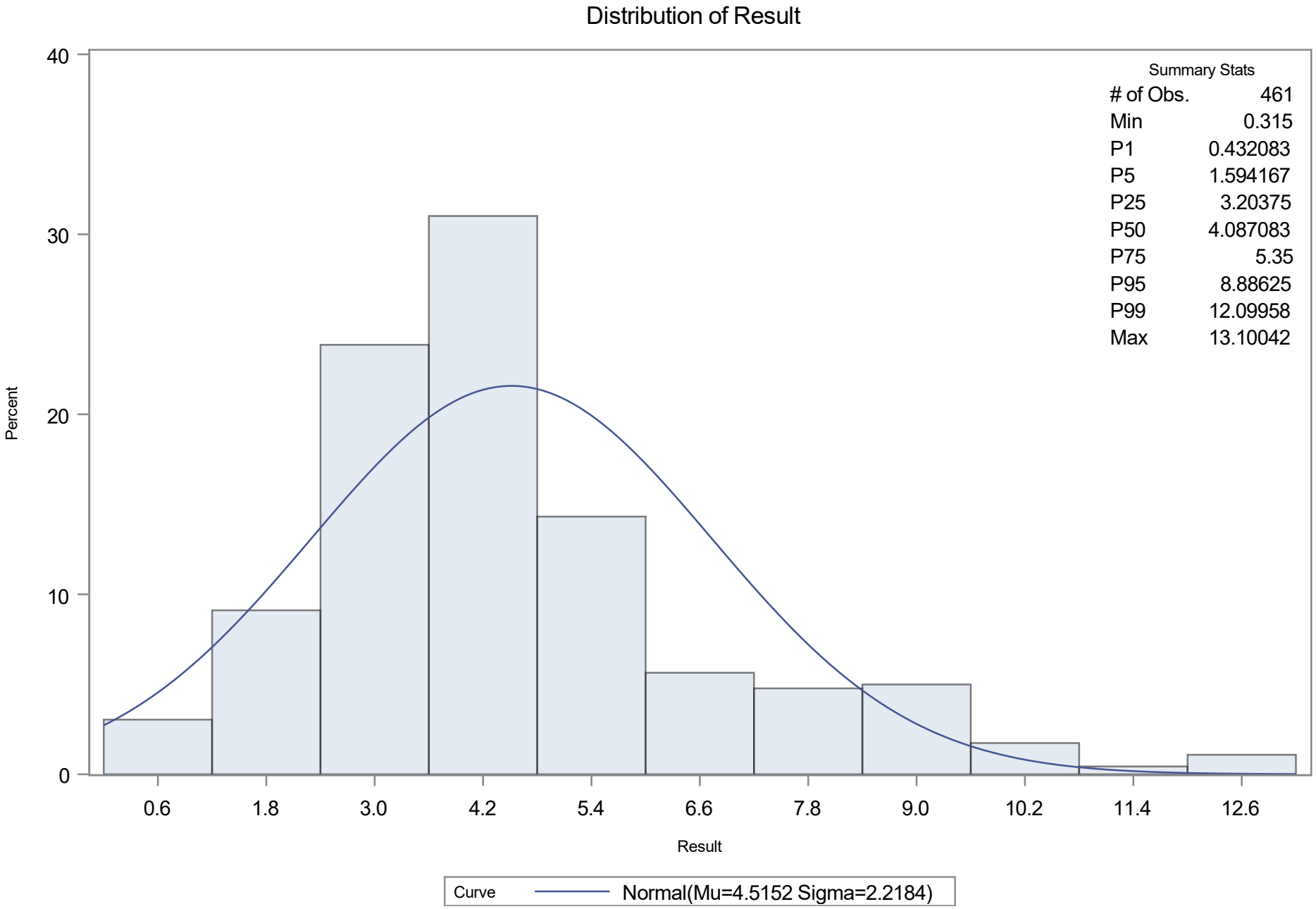
DRAFT


Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at EPC Station EPC 2 CR Rkm 13.7
Result
15
10
5
0
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at SWFWMD Station District CR 19206
Result
12.5
10.0
7.5
5.0
2.5
0.0
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at SWFWMD Station District CR 19206**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at SWFWMD Station District CR 19206**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.515199
Std Dev	Sigma	2.218372

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1312446	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.1613639	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.6892534	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.43208	-0.64551
5.0	1.59417	0.86630
10.0	2.24375	1.67224
25.0	3.20375	3.01893
50.0	4.08708	4.51520
75.0	5.35000	6.01147
90.0	7.96125	7.35816
95.0	8.88625	8.16410
99.0	12.09958	9.67590

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

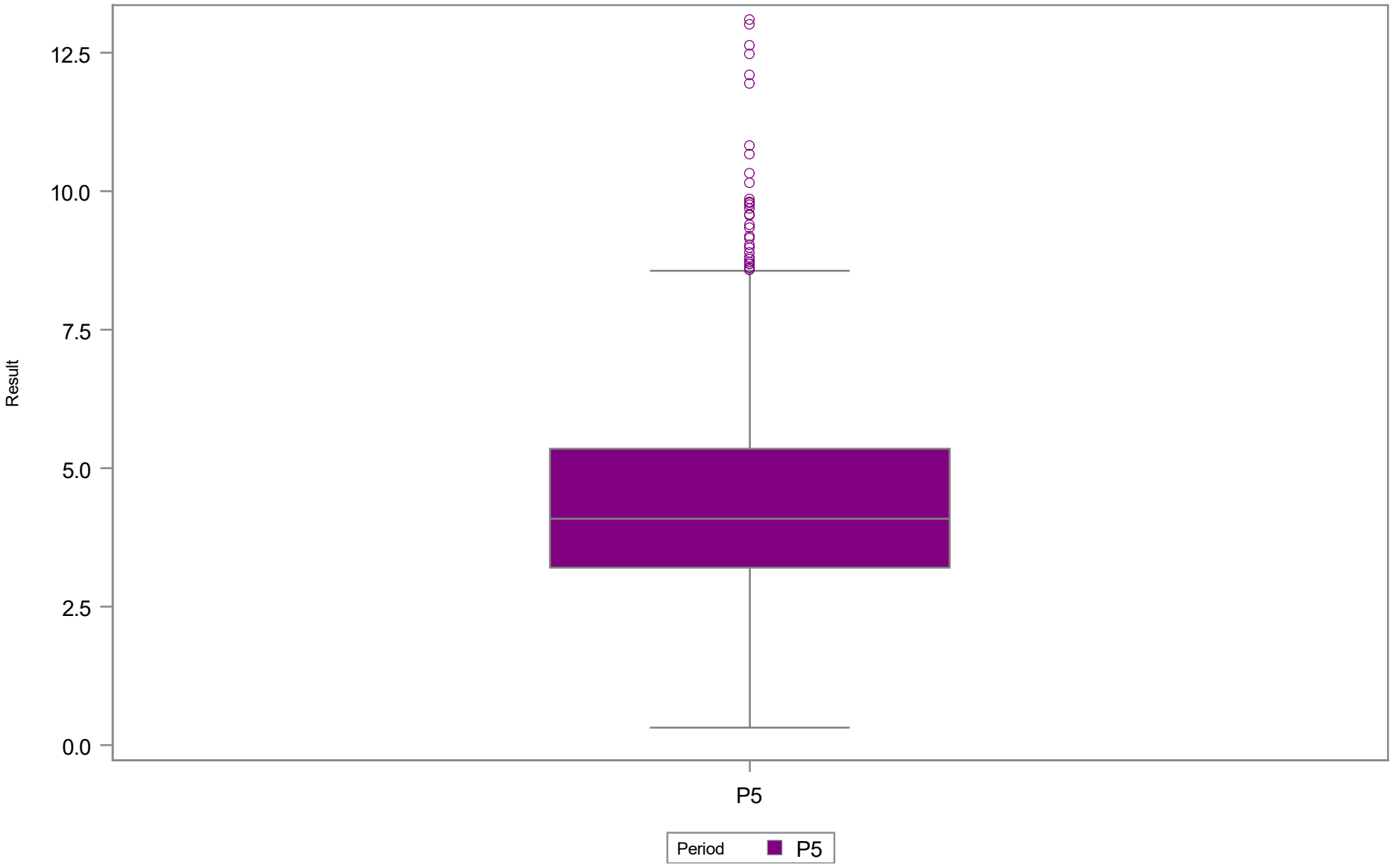
Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at SWFWMD Station District CR 19206

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	461	0.32	3.20	4.52	4.09	5.35	13.10

Period of Record: January 1996 through December 2023
Analysis Days Only

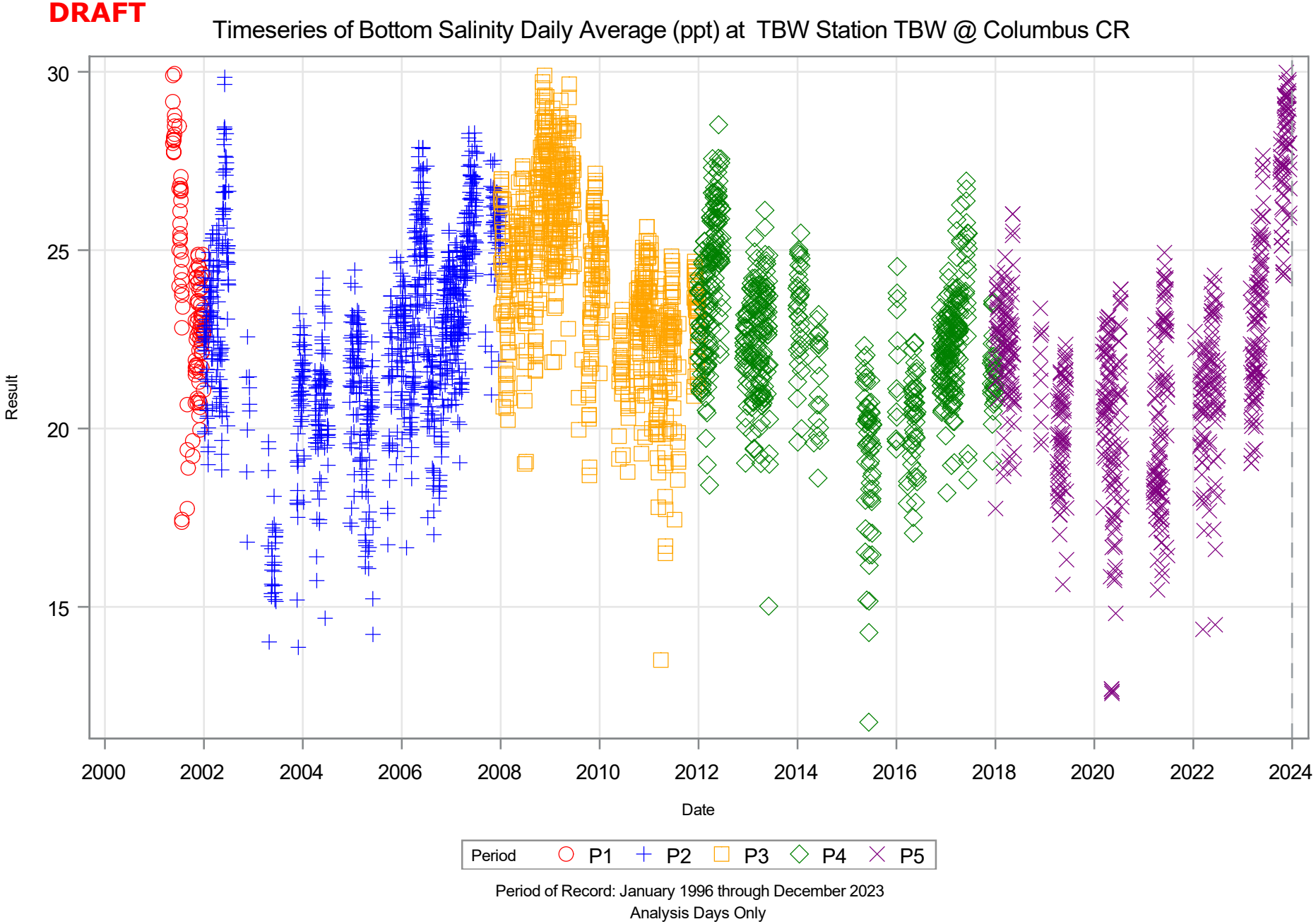
DRAFT

Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at SWFWMD Station District CR 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR
Result
30
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Date
Period
P1
P2
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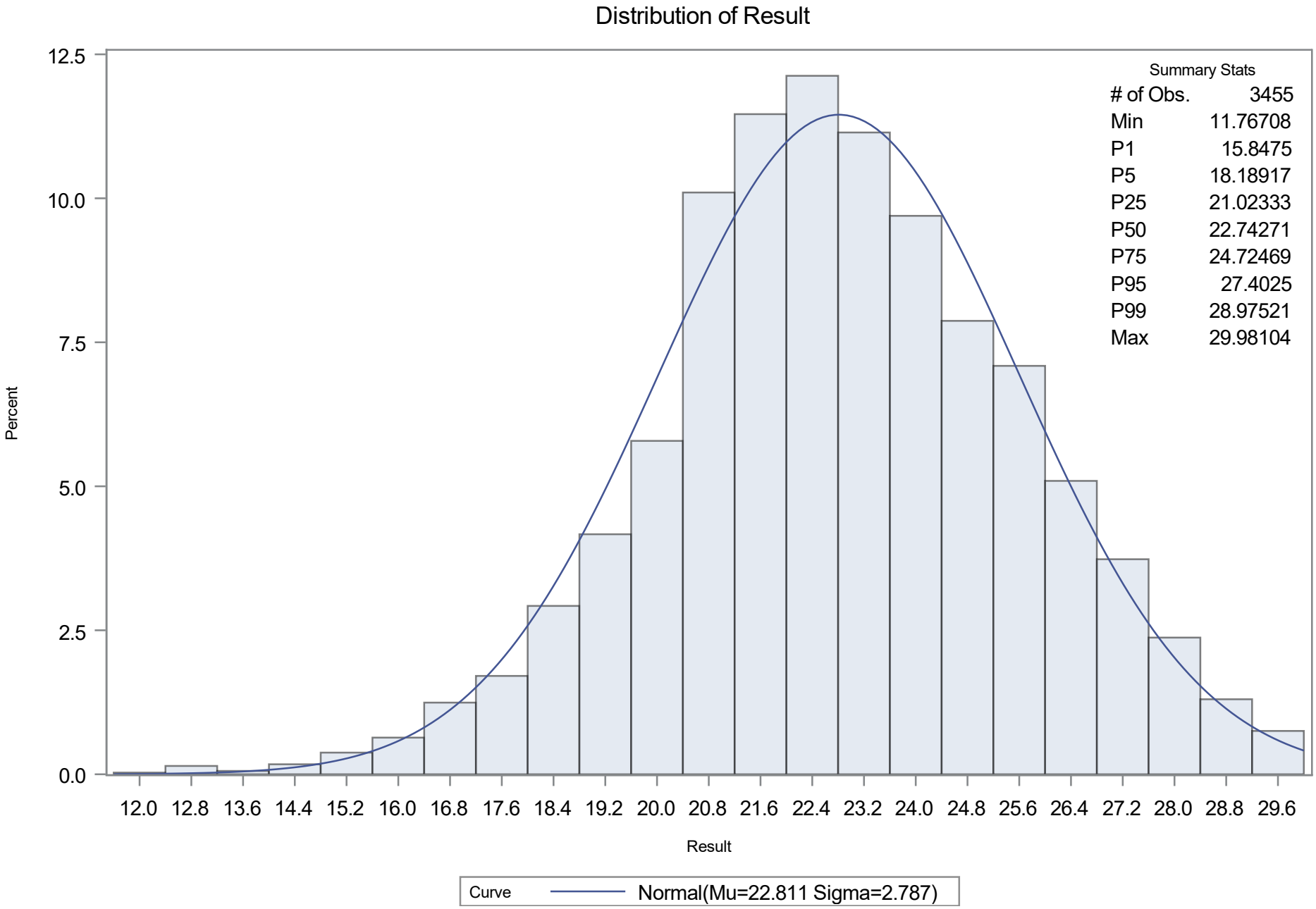
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.81149
Std Dev	Sigma	2.786952

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02332349	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29161256	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.01015720	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.8475	16.3281
5.0	18.1892	18.2274
10.0	19.3768	19.2399
25.0	21.0233	20.9317
50.0	22.7427	22.8115
75.0	24.7247	24.6913
90.0	26.4833	26.3831
95.0	27.4025	27.3956
99.0	28.9752	29.2949

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

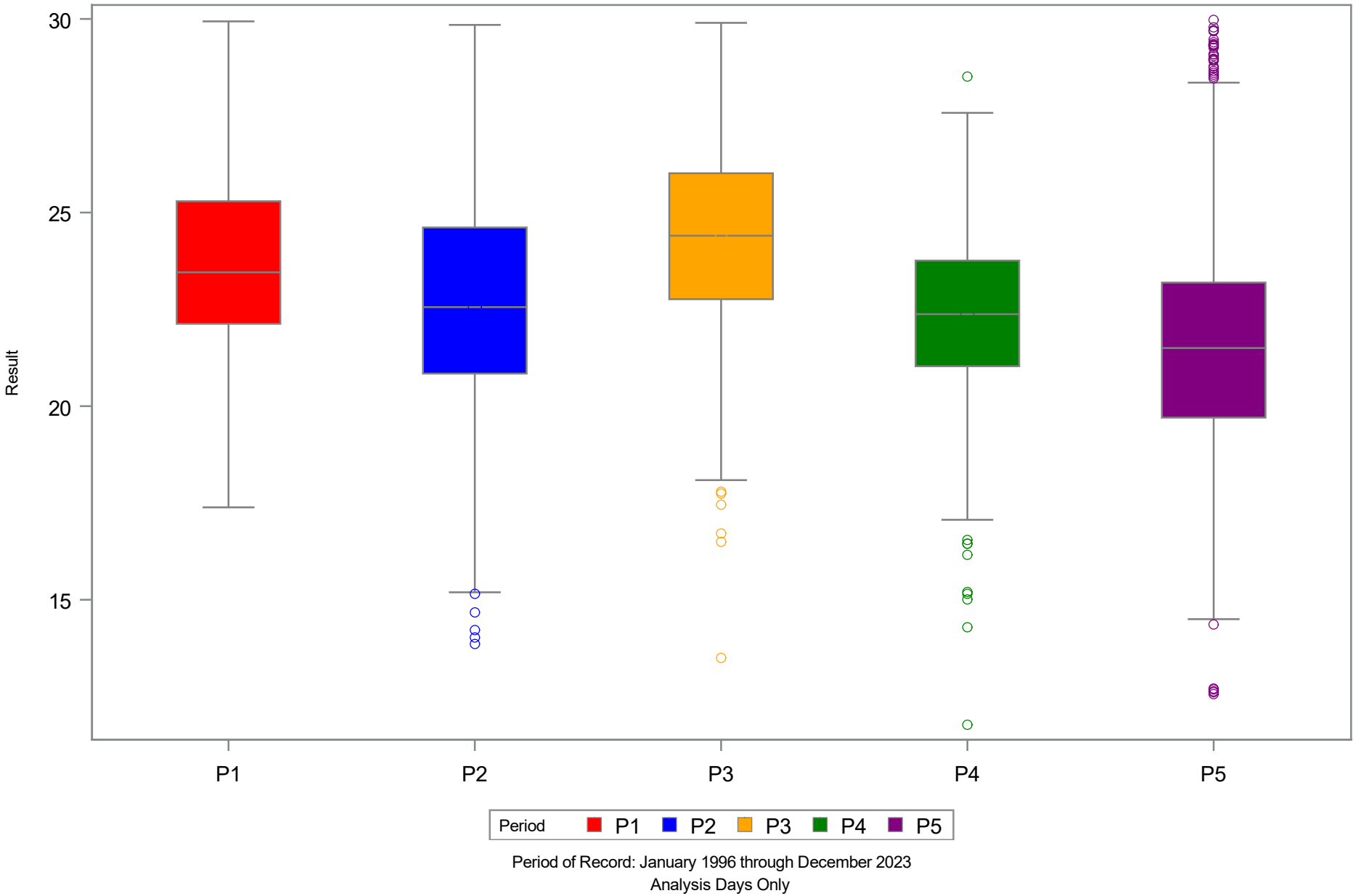
Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	111	17.39	22.13	23.77	23.46	25.29	29.94
P2	1110	13.87	20.84	22.57	22.56	24.61	29.85
P3	817	13.51	22.76	24.31	24.40	26.01	29.90
P4	721	11.77	21.03	22.39	22.37	23.76	28.52
P5	696	12.57	19.70	21.73	21.50	23.19	29.98

Period of Record: January 1996 through December 2023
Analysis Days Only

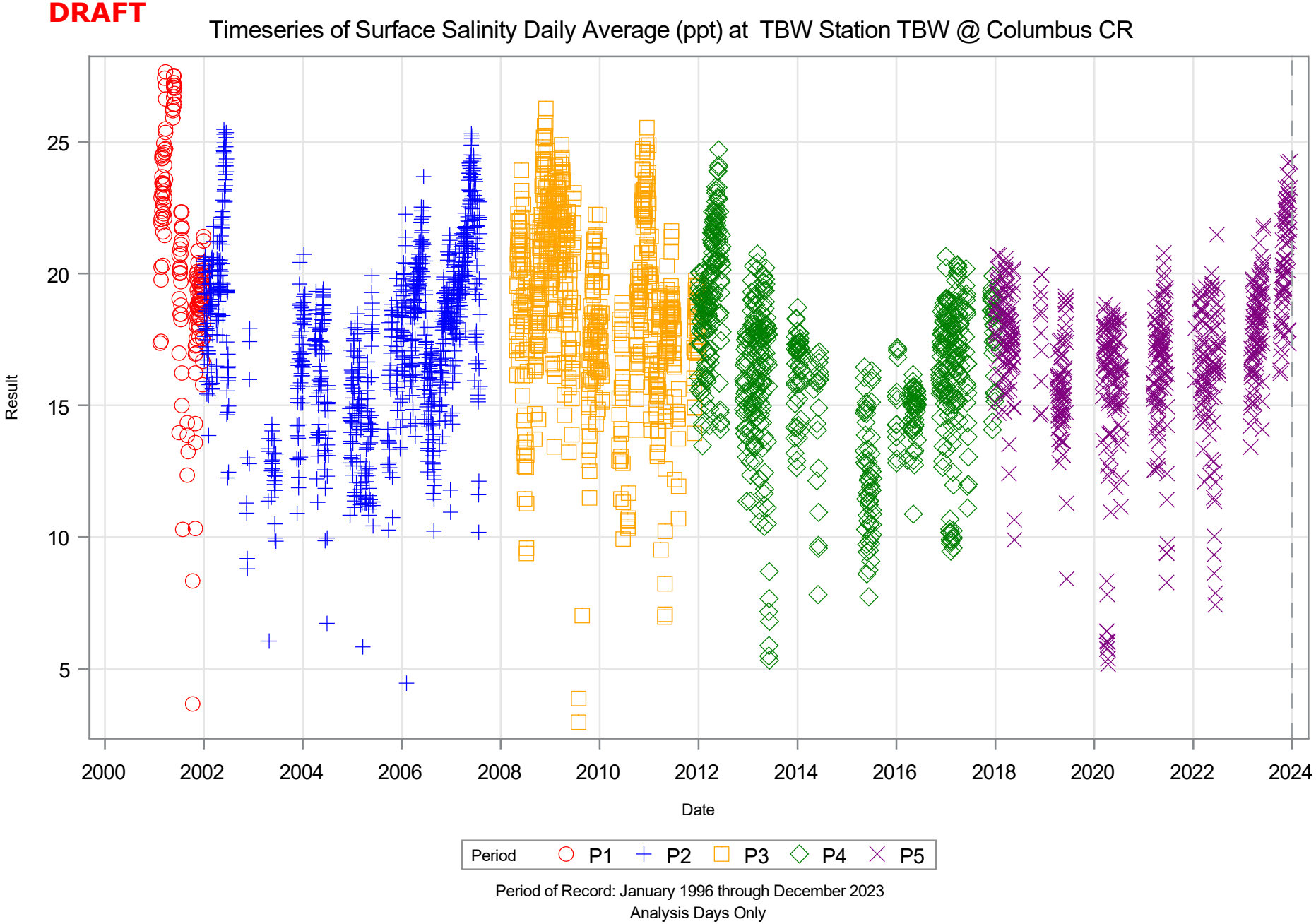
DRAFT

Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR
Result
25
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Date
Period
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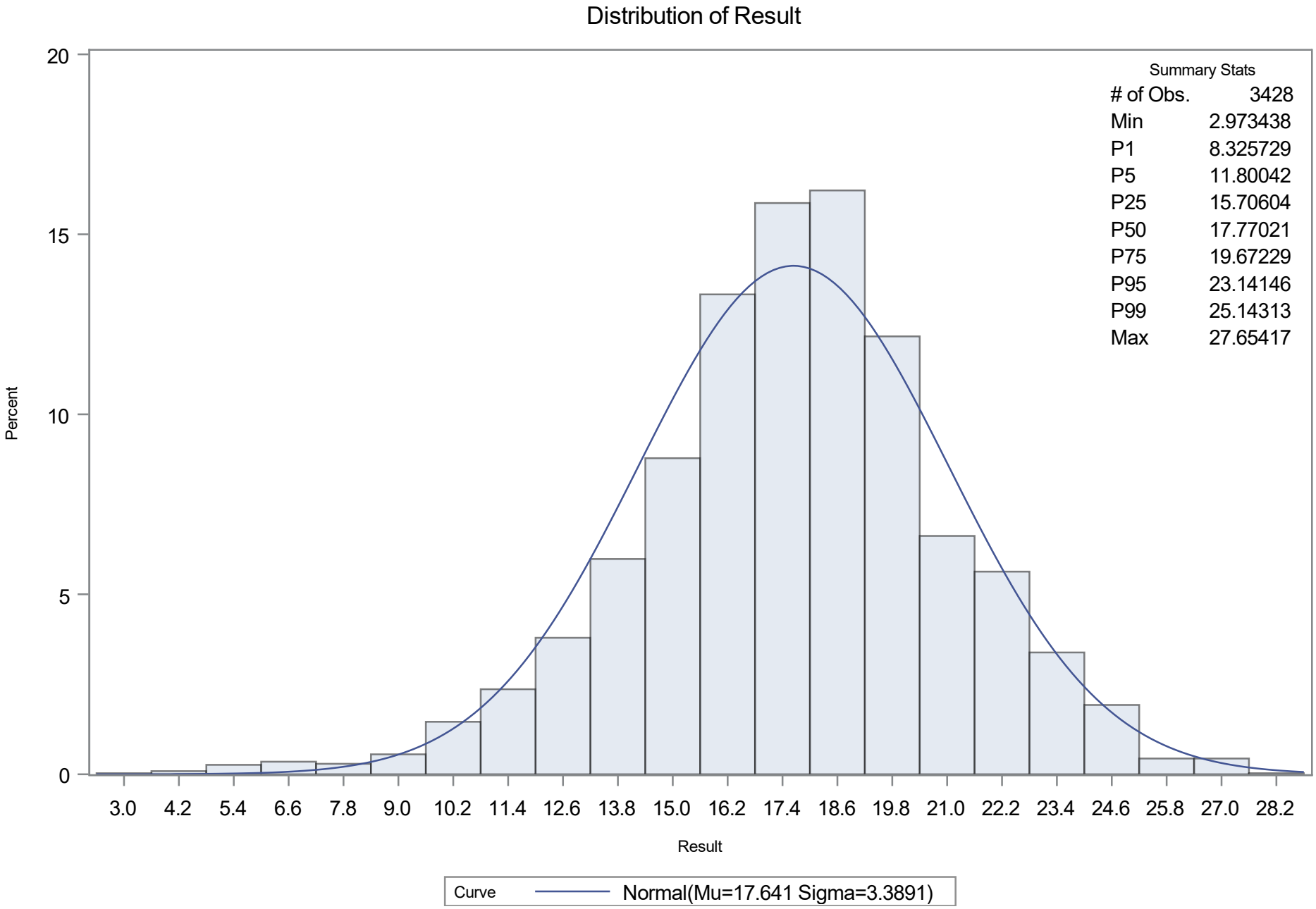
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	17.64086
Std Dev	Sigma	3.389133

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03453067	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.25496800	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.28227454	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	8.32573	9.75656
5.0	11.80042	12.06624
10.0	13.39635	13.29752
25.0	15.70604	15.35493
50.0	17.77021	17.64086
75.0	19.67229	19.92680
90.0	22.00417	21.98421
95.0	23.14146	23.21549
99.0	25.14313	25.52517

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

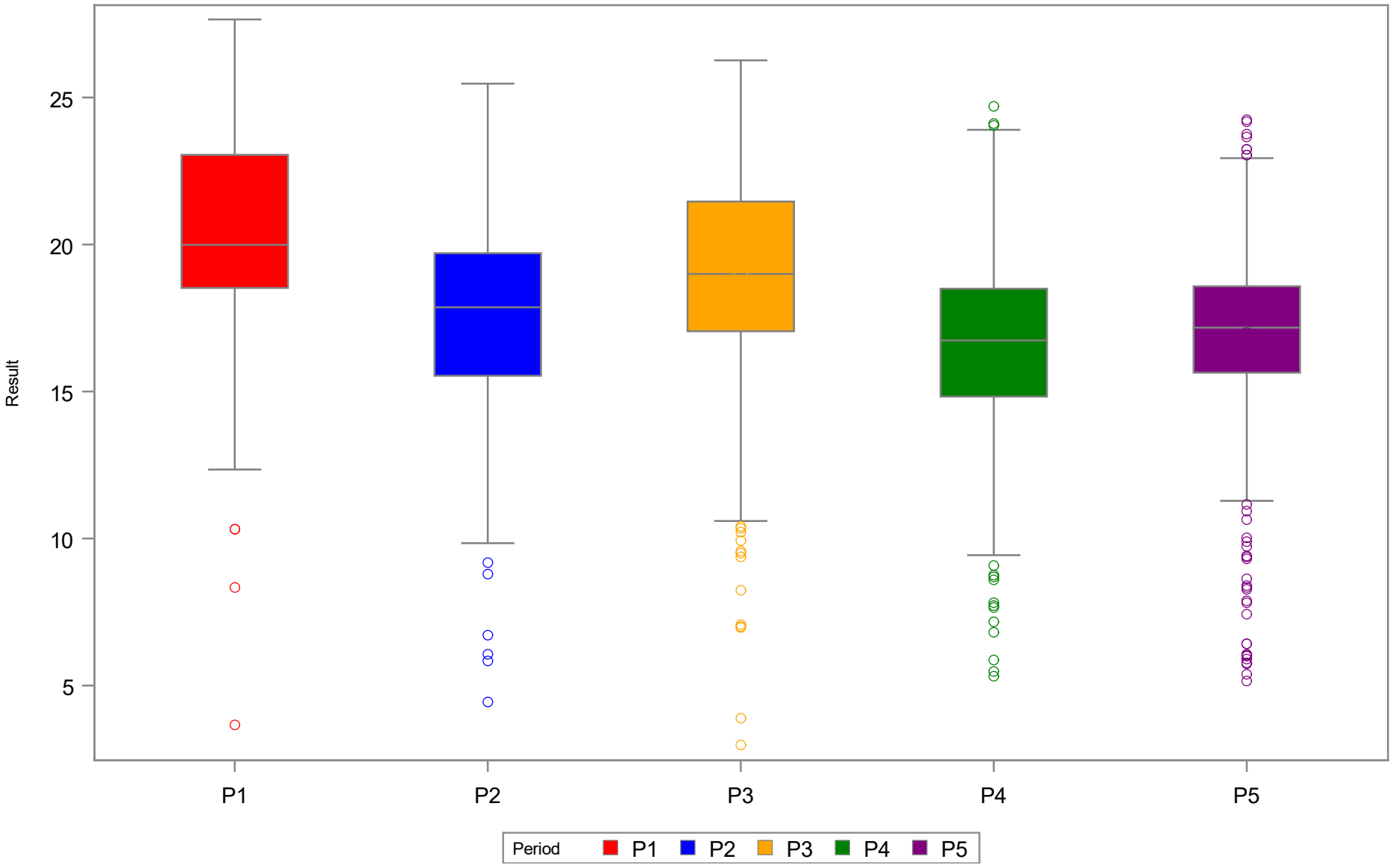
Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	152	3.66	18.52	20.47	19.99	23.05	27.65
P2	1066	4.45	15.53	17.57	17.87	19.70	25.47
P3	767	2.97	17.05	18.97	19.00	21.46	26.26
P4	747	5.32	14.83	16.46	16.74	18.50	24.69
P5	696	5.17	15.64	16.94	17.17	18.58	24.25

Period of Record: January 1996 through December 2023
Analysis Days Only

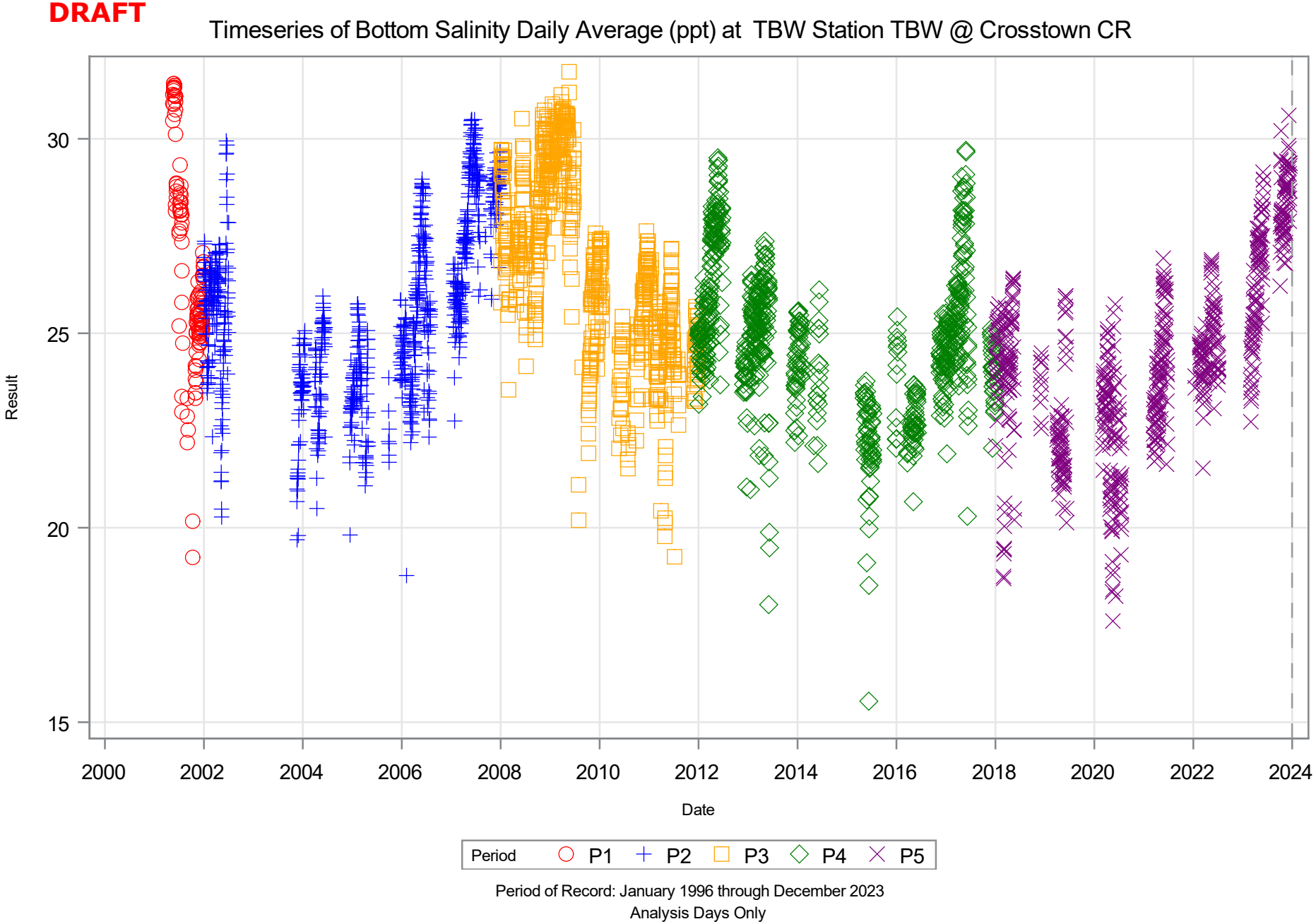
DRAFT

Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at TBW Station TBW @ Columbus CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR
Result
30
25
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2002
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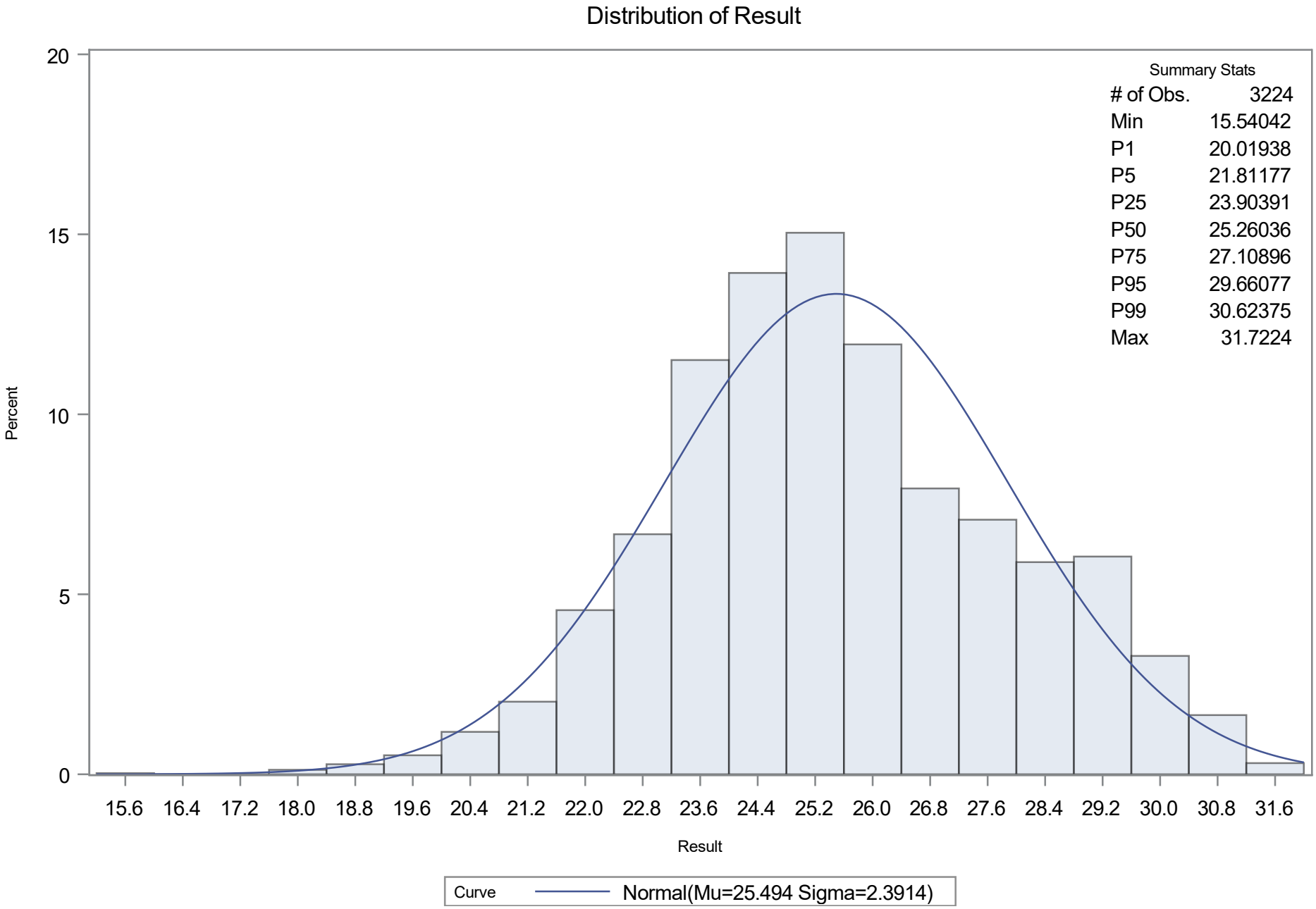
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.49423
Std Dev	Sigma	2.391378

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04332363	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.65496238	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.53847627	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.0194	19.9311
5.0	21.8118	21.5608
10.0	22.5793	22.4296
25.0	23.9039	23.8813
50.0	25.2604	25.4942
75.0	27.1090	27.1072
90.0	28.9478	28.5589
95.0	29.6608	29.4277
99.0	30.6238	31.0574

Period of Record: January 1996 through December 2023
Analysis Days Only

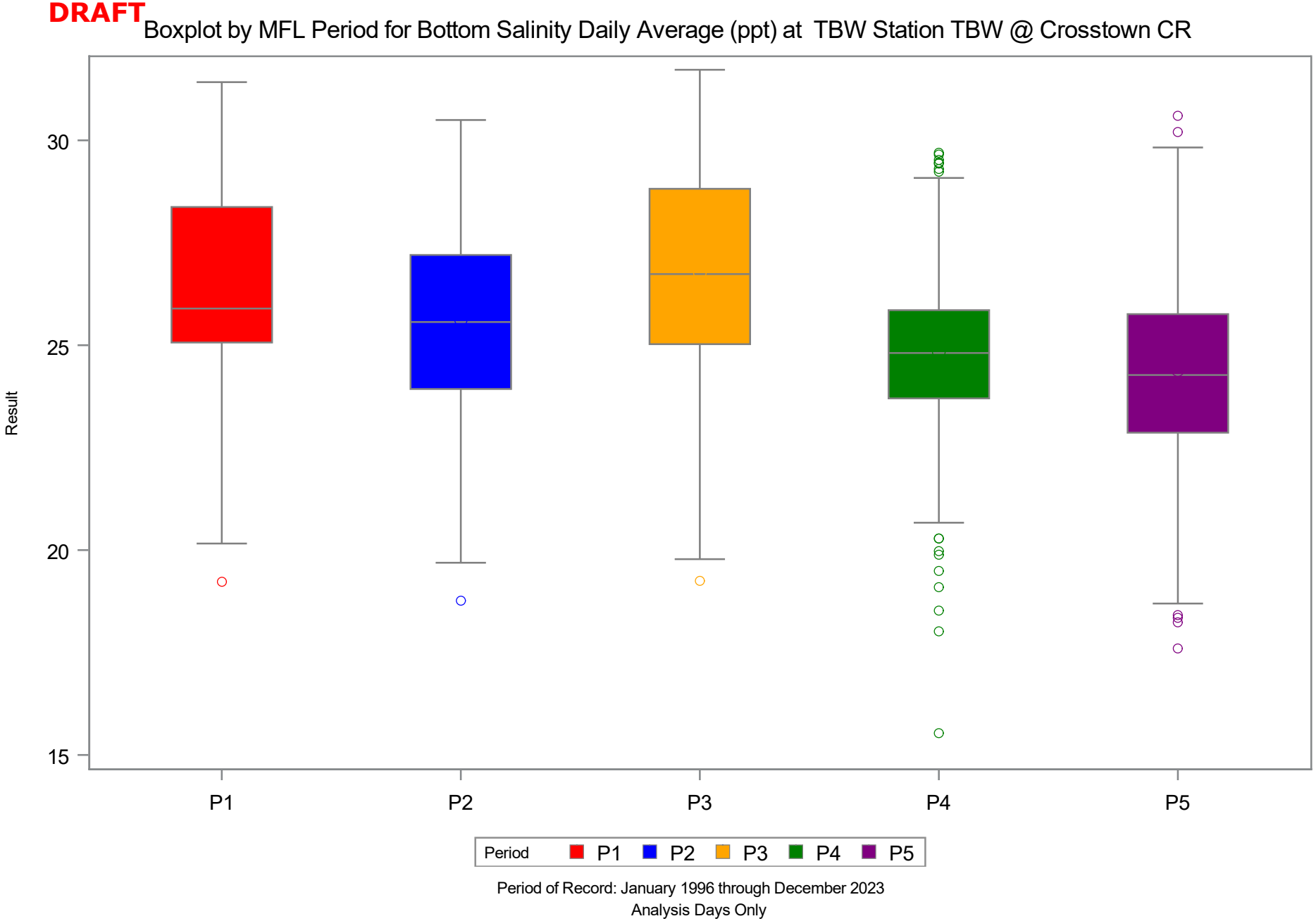
DRAFT

Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	123	19.23	25.07	26.70	25.90	28.37	31.42
P2	896	18.77	23.93	25.63	25.57	27.20	30.50
P3	764	19.25	25.03	26.78	26.74	28.82	31.72
P4	753	15.54	23.70	24.83	24.81	25.86	29.70
P5	688	17.60	22.87	24.40	24.27	25.76	30.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR
Result
30
25
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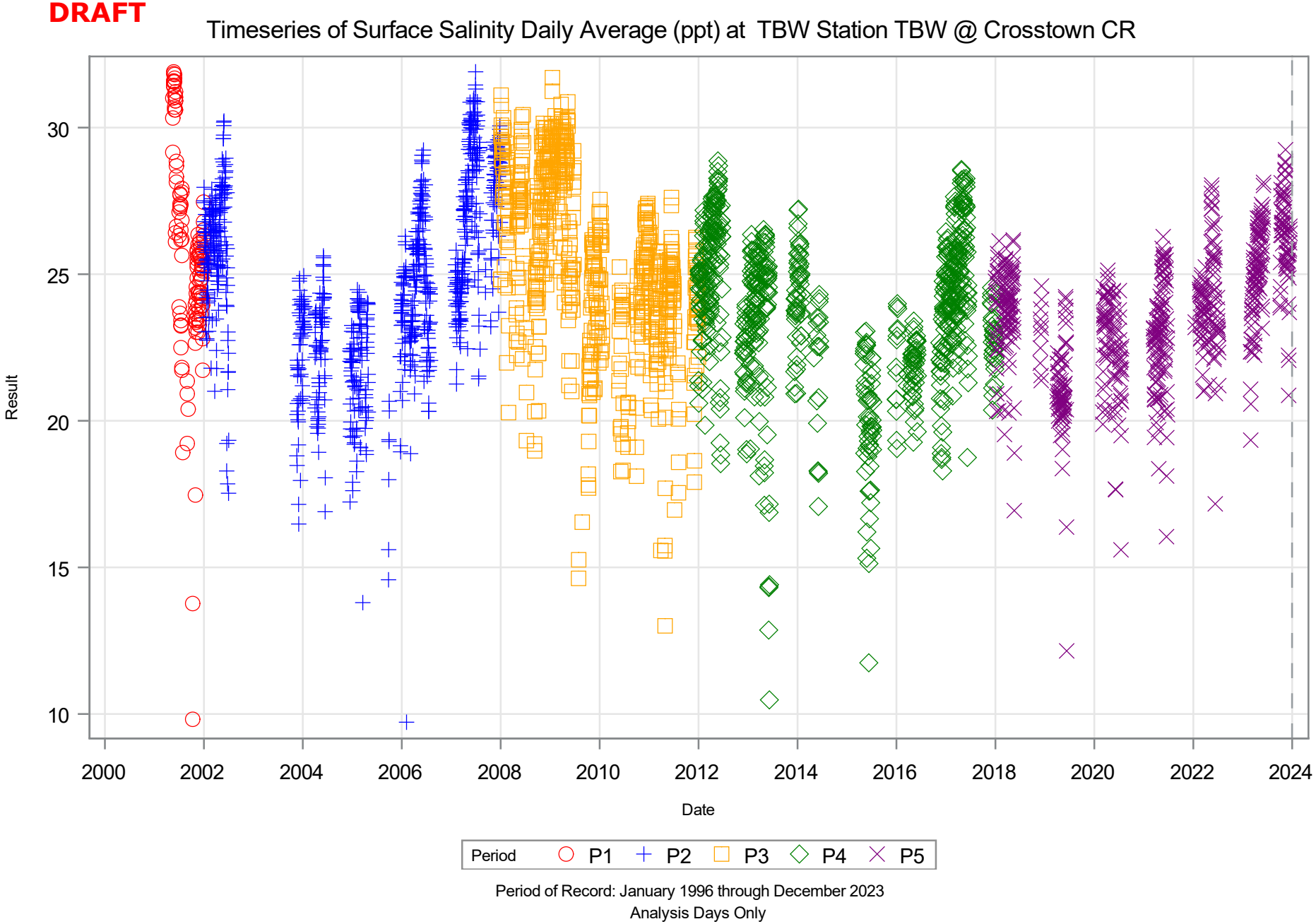
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR
Result
30
25
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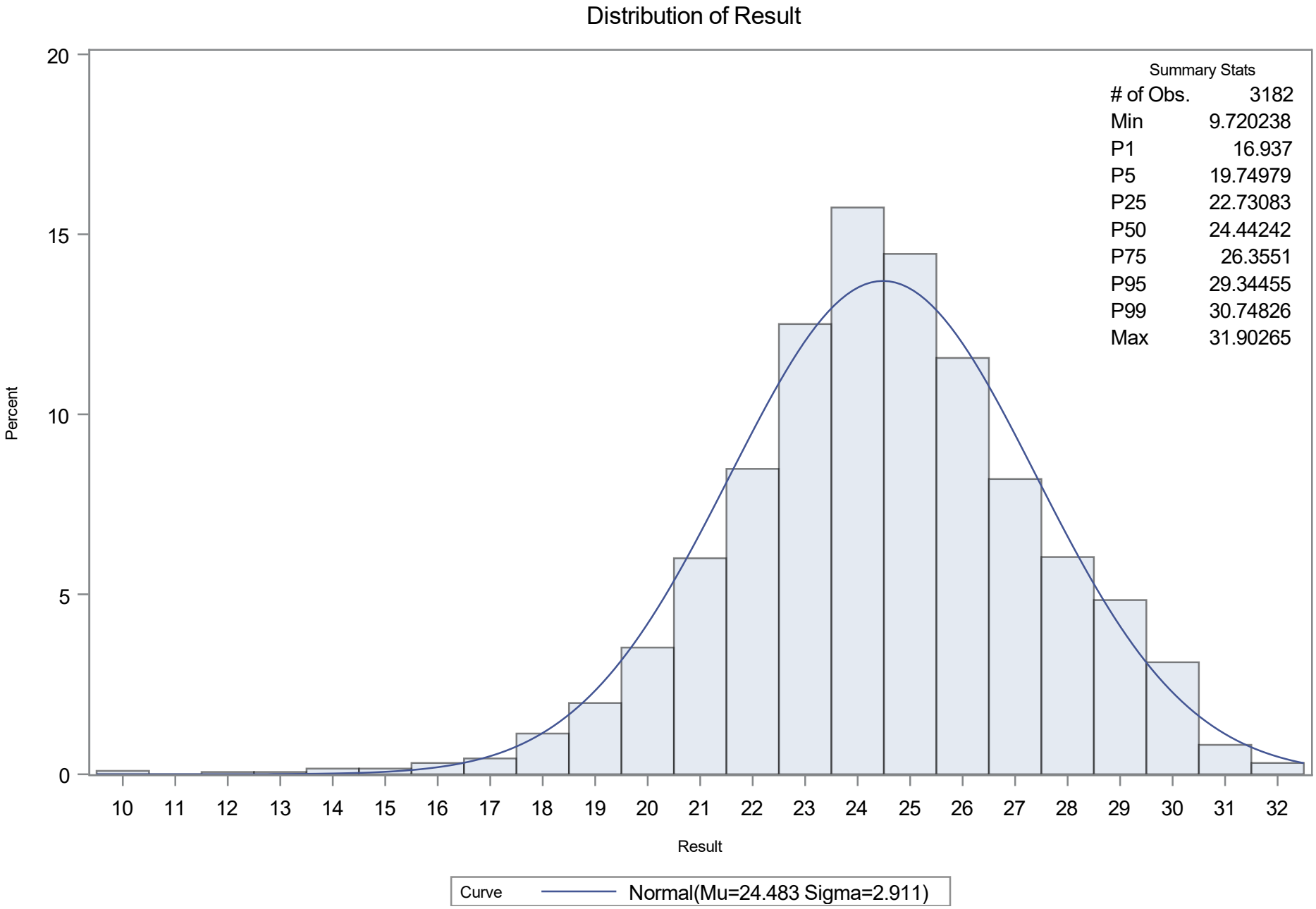
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.48262
Std Dev	Sigma	2.910962

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02876380	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.55420312	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.55527800	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.9370	17.7107
5.0	19.7498	19.6945
10.0	20.8327	20.7521
25.0	22.7308	22.5192
50.0	24.4424	24.4826
75.0	26.3551	26.4460
90.0	28.2910	28.2132
95.0	29.3445	29.2707
99.0	30.7483	31.2545

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	123	9.82	23.73	25.68	25.51	27.39	31.90
P2	882	9.72	22.95	24.83	24.78	27.12	31.90
P3	752	13.01	23.70	25.47	25.36	27.83	31.70
P4	762	10.48	22.26	23.67	23.96	25.54	28.86
P5	663	12.15	22.27	23.62	23.76	25.12	29.25

Period of Record: January 1996 through December 2023
Analysis Days Only

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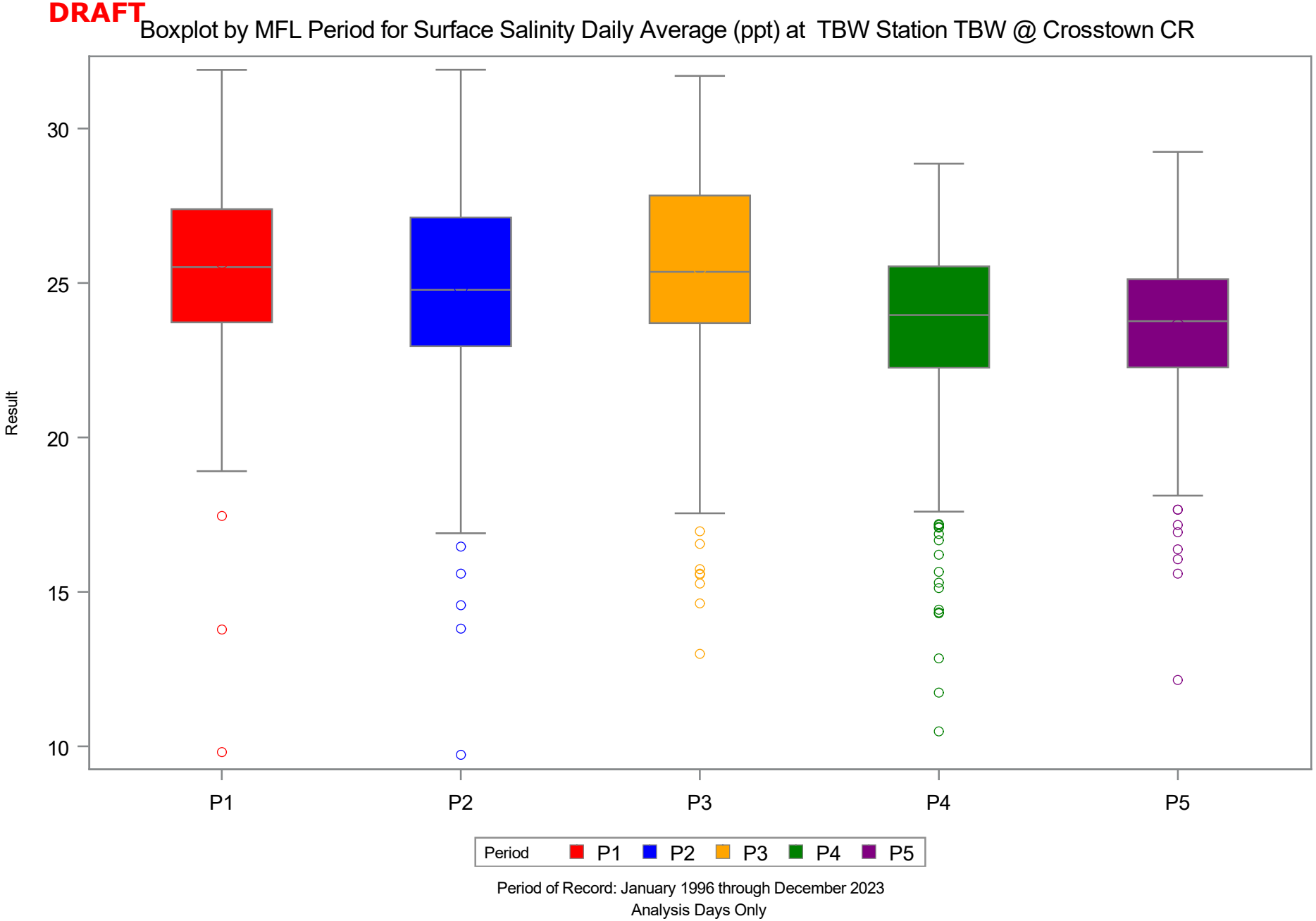
Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at TBW Station TBW @ Crosstown CR
Result
30
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P1
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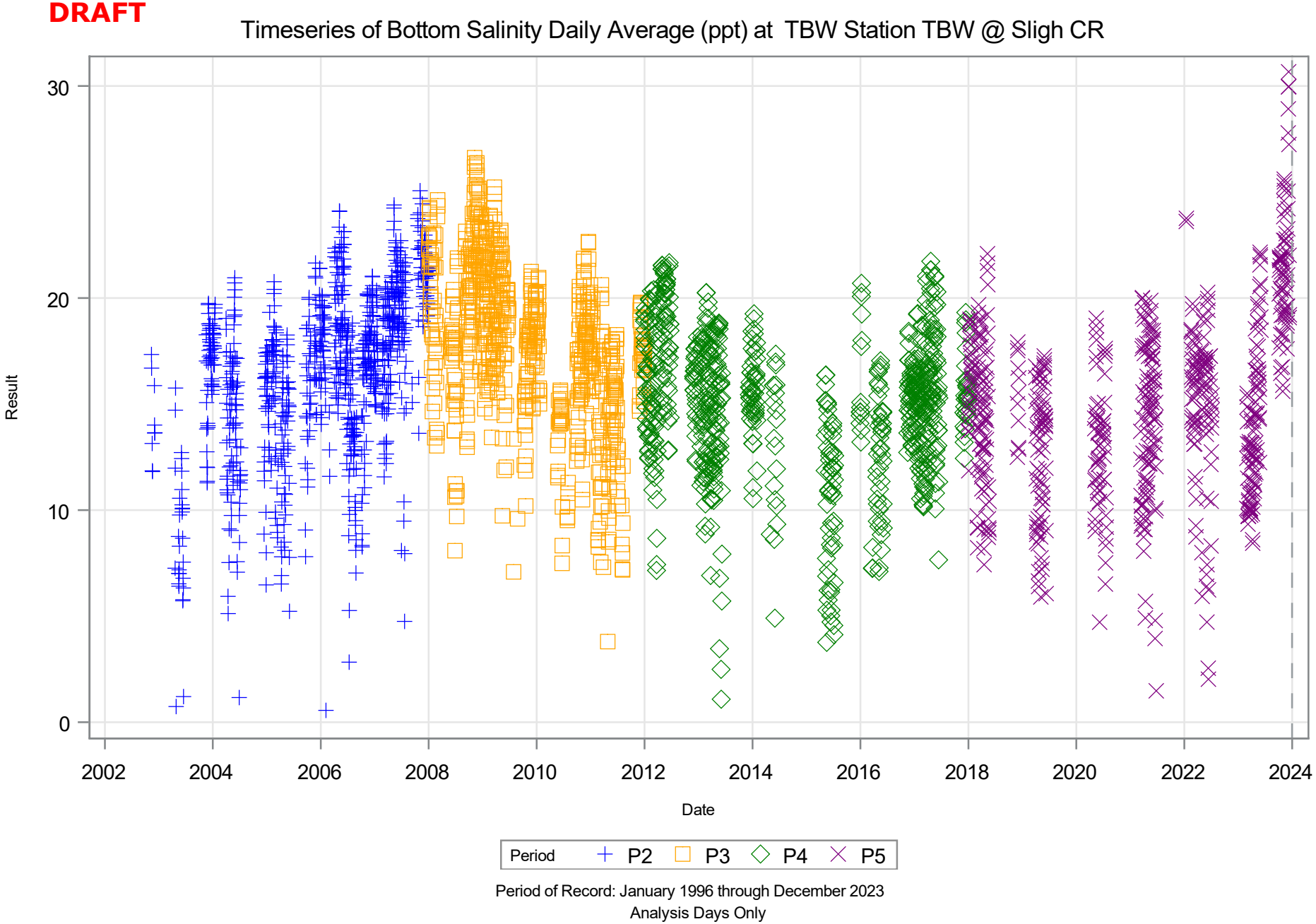
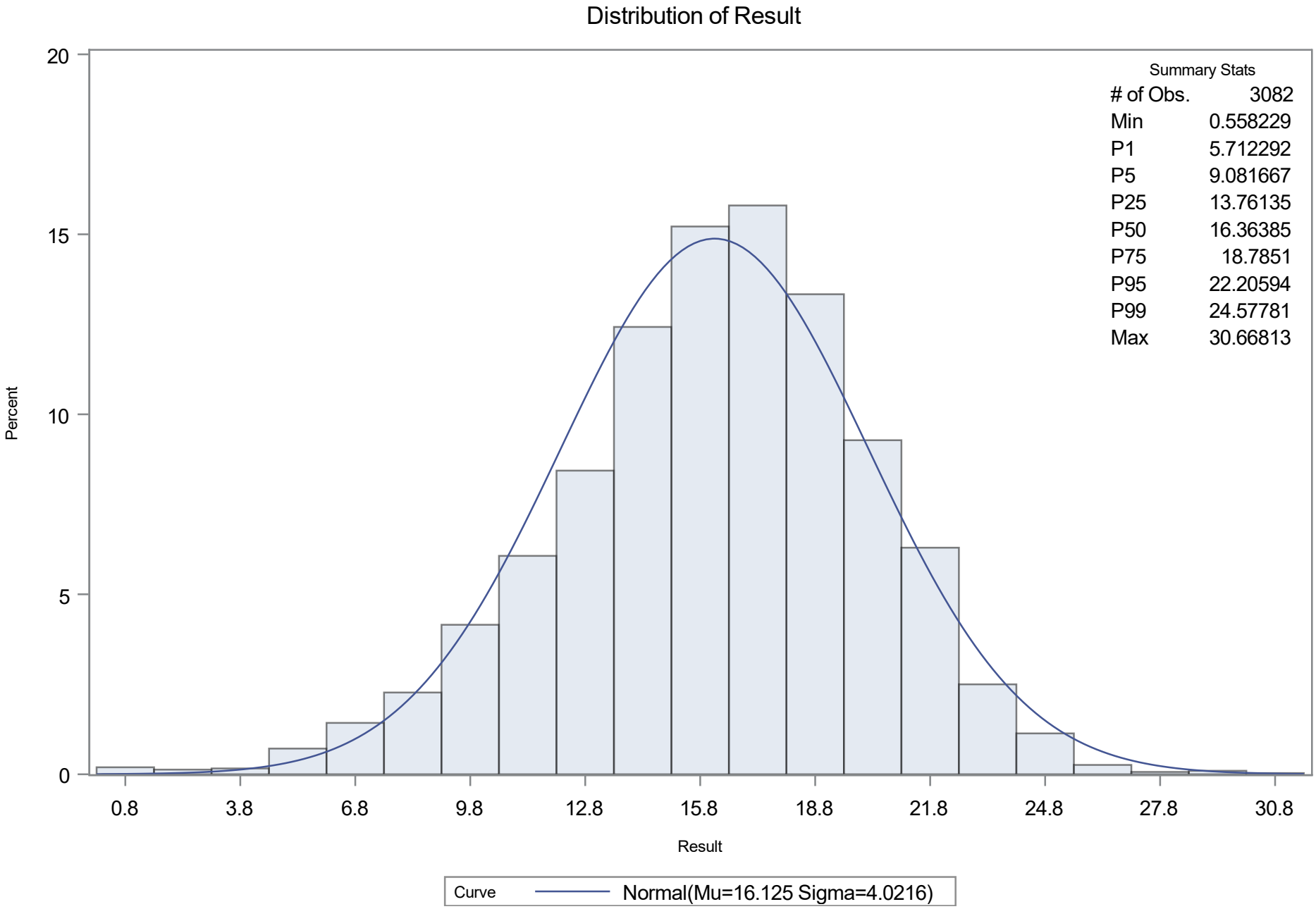
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR
Result
30
20
10
0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	16.12485
Std Dev	Sigma	4.021632

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03435079	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.07535973	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.39989445	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	5.71229	6.76913
5.0	9.08167	9.50985
10.0	10.79354	10.97092
25.0	13.76135	13.41230
50.0	16.36385	16.12485
75.0	18.78510	18.83740
90.0	21.05438	21.27878
95.0	22.20594	22.73984
99.0	24.57781	25.48056

Period of Record: January 1996 through December 2023
Analysis Days Only

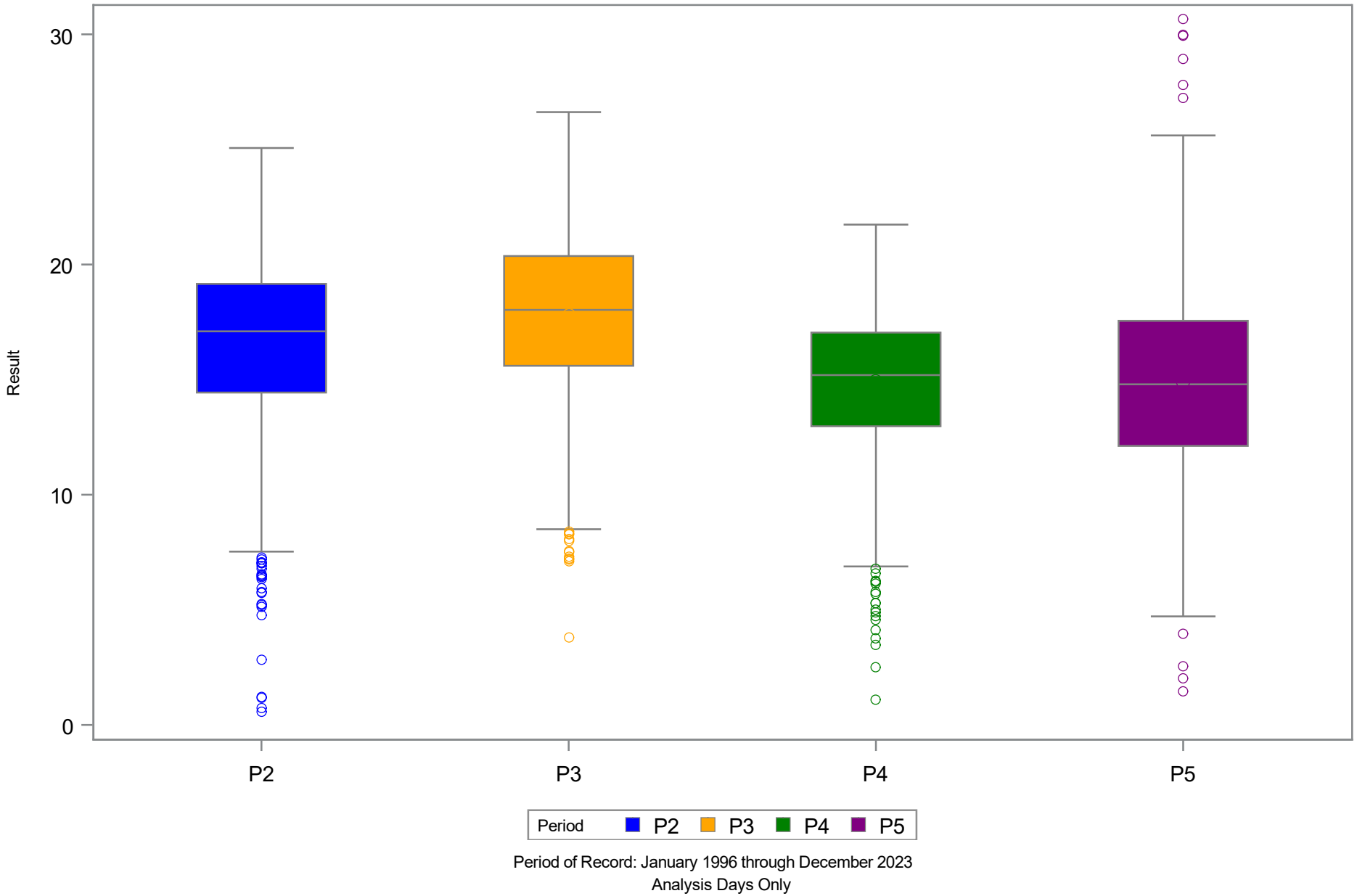
DRAFT

Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	909	0.56	14.44	16.53	17.10	19.16	25.06
P3	783	3.80	15.60	17.81	18.03	20.37	26.62
P4	759	1.08	12.97	14.92	15.20	17.04	21.73
P5	631	1.48	12.12	14.89	14.80	17.55	30.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR
Result
30
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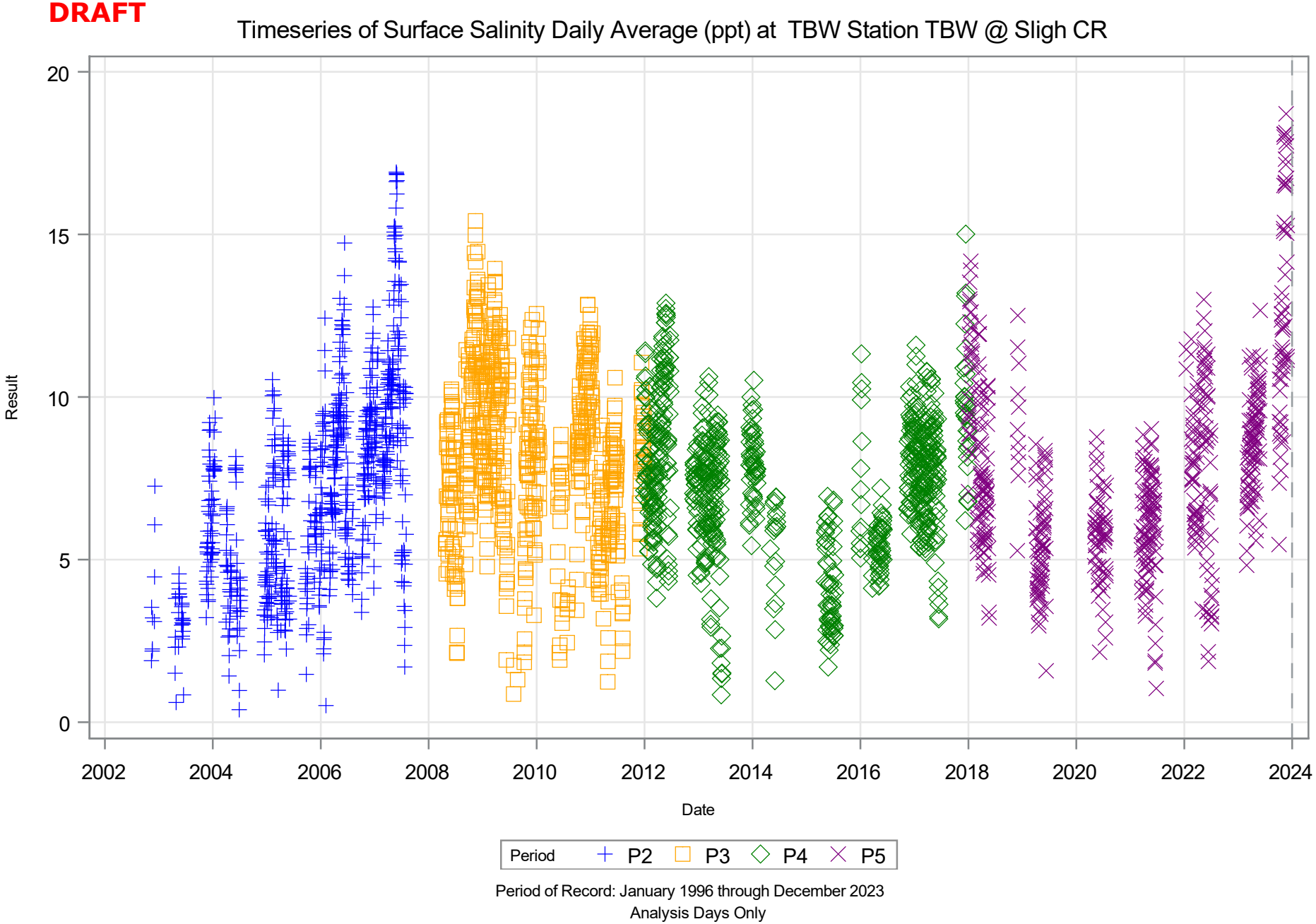
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR
Result
20
15
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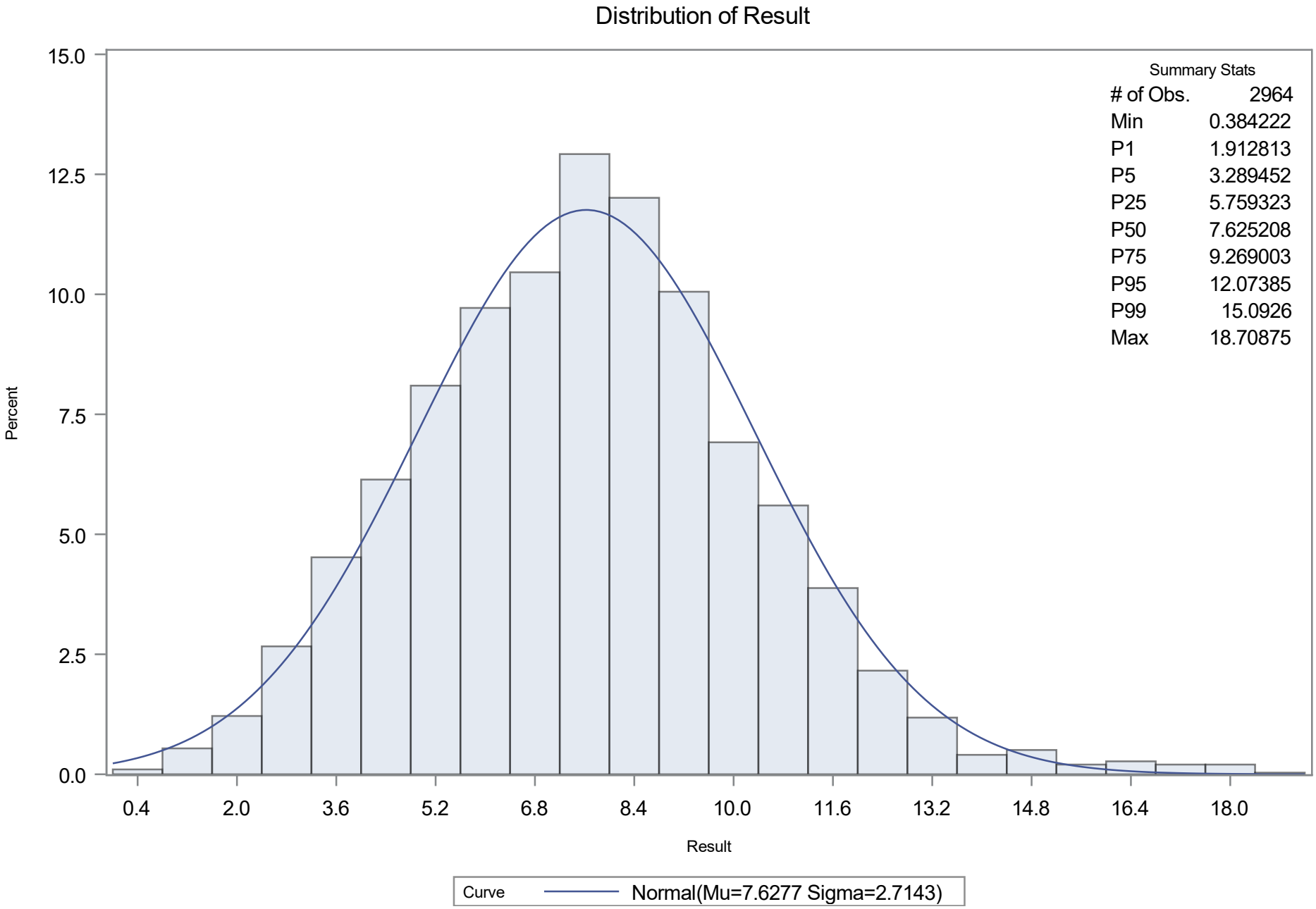
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	7.627682
Std Dev	Sigma	2.71432

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.02365301	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25522458	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.21150306	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.91281	1.31323
5.0	3.28945	3.16302
10.0	4.13186	4.14914
25.0	5.75932	5.79690
50.0	7.62521	7.62768
75.0	9.26900	9.45846
90.0	11.05595	11.10622
95.0	12.07385	12.09234
99.0	15.09260	13.94213

Period of Record: January 1996 through December 2023
Analysis Days Only

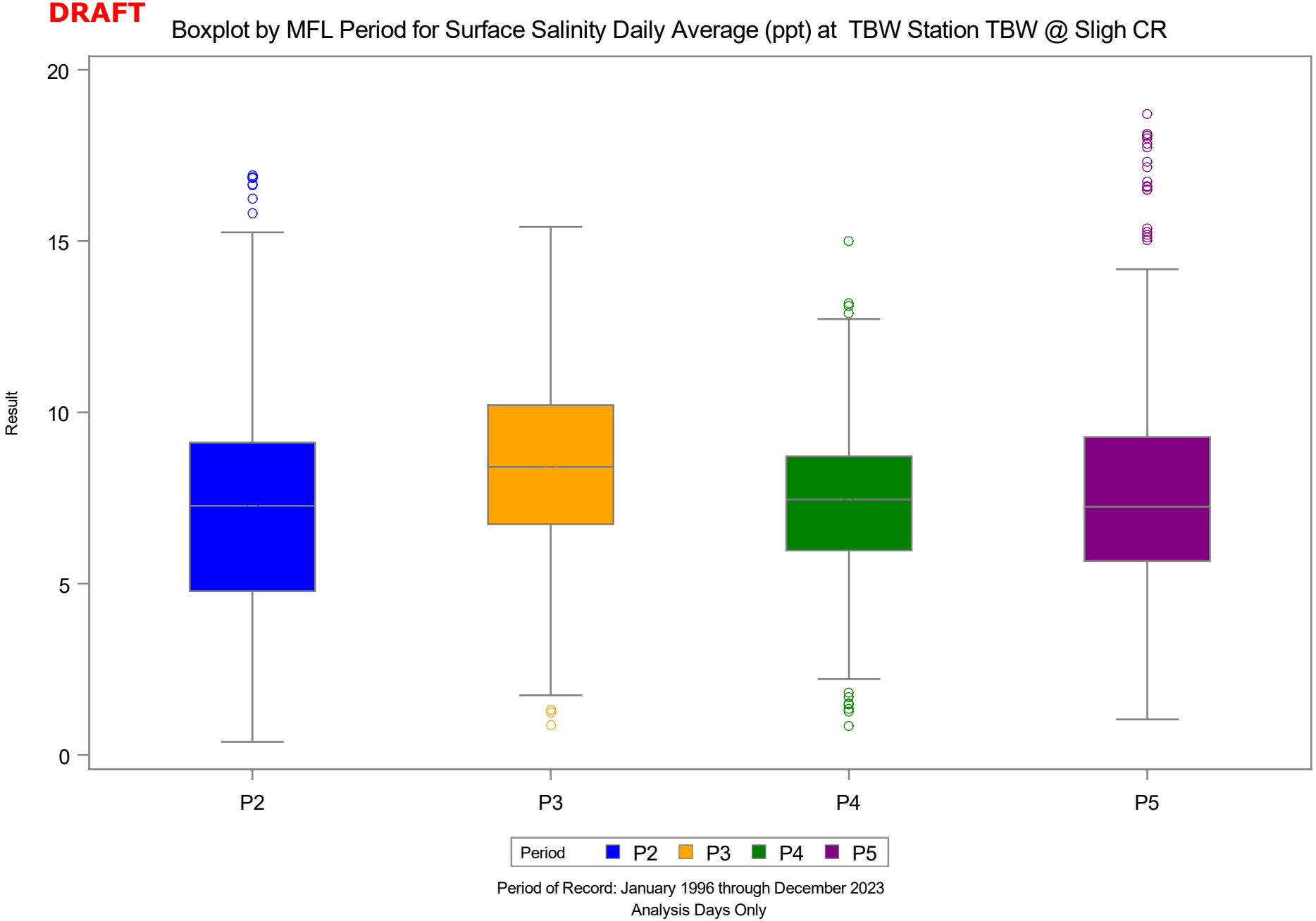
DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR

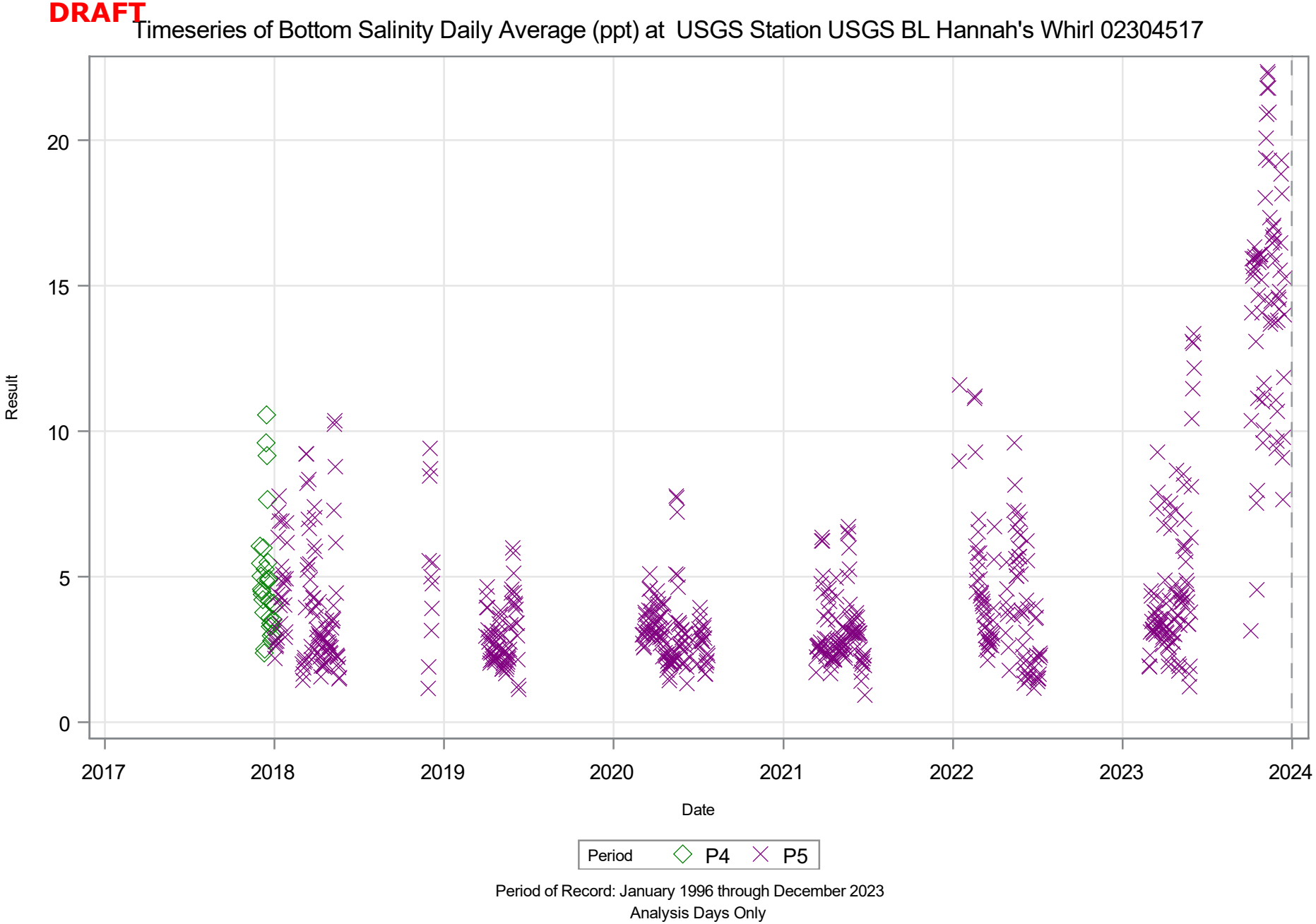
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	803	0.38	4.78	7.19	7.27	9.12	16.91
P3	769	0.87	6.74	8.32	8.41	10.21	15.42
P4	785	0.84	5.97	7.33	7.46	8.72	15.01
P5	607	1.04	5.66	7.71	7.25	9.28	18.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

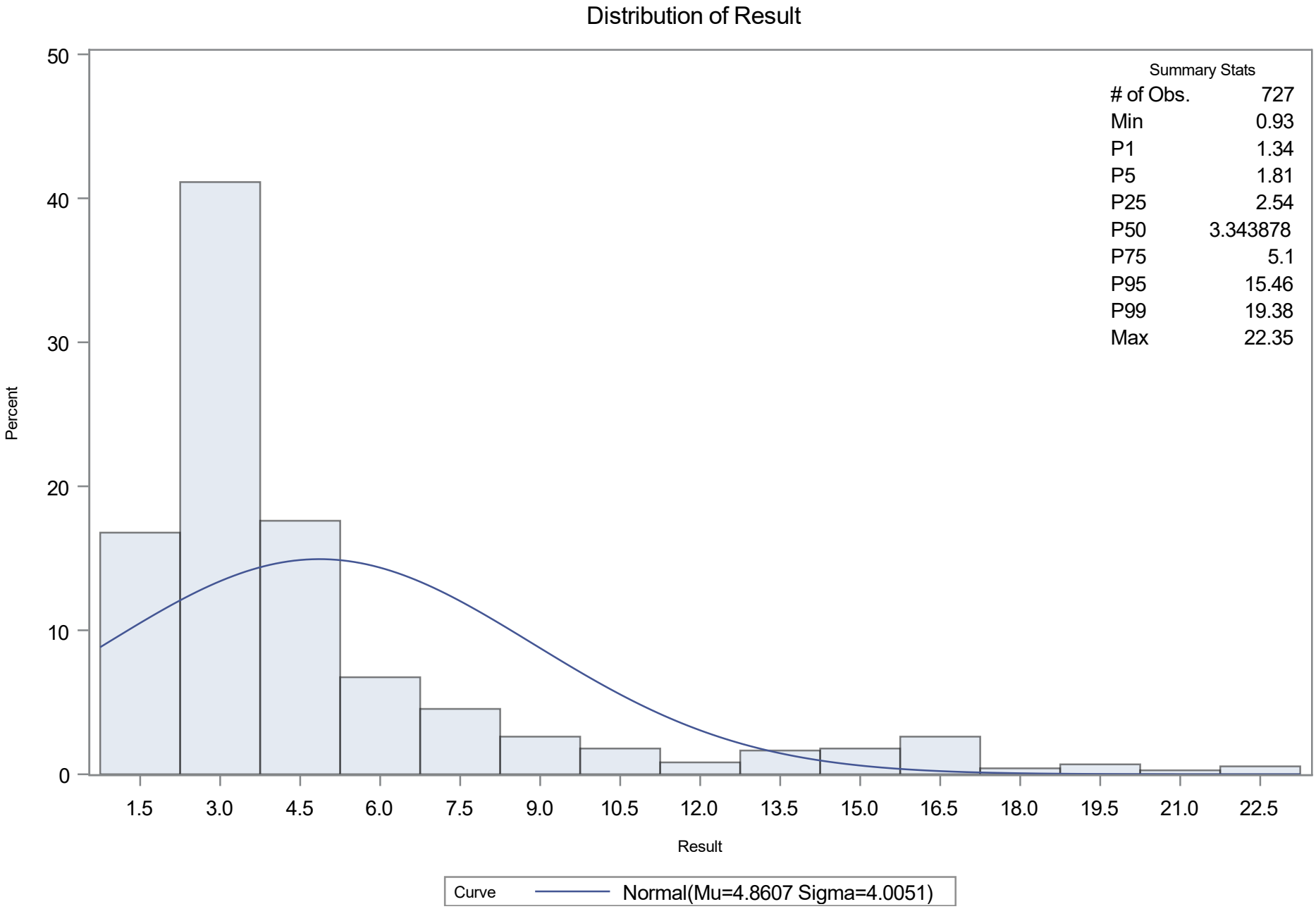

Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at TBW Station TBW @ Sligh CR
Result
20
15
10
5
0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517
Result
0
5
10
15
20
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.860743
Std Dev	Sigma	4.005082

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2357201	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	13.9620779	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	75.6294550	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.34000	-4.45647
5.0	1.81000	-1.72703
10.0	2.03000	-0.27198
25.0	2.54000	2.15936
50.0	3.34388	4.86074
75.0	5.10000	7.56213
90.0	10.36000	9.99346
95.0	15.46000	11.44852
99.0	19.38000	14.17796

Period of Record: January 1996 through December 2023
Analysis Days Only

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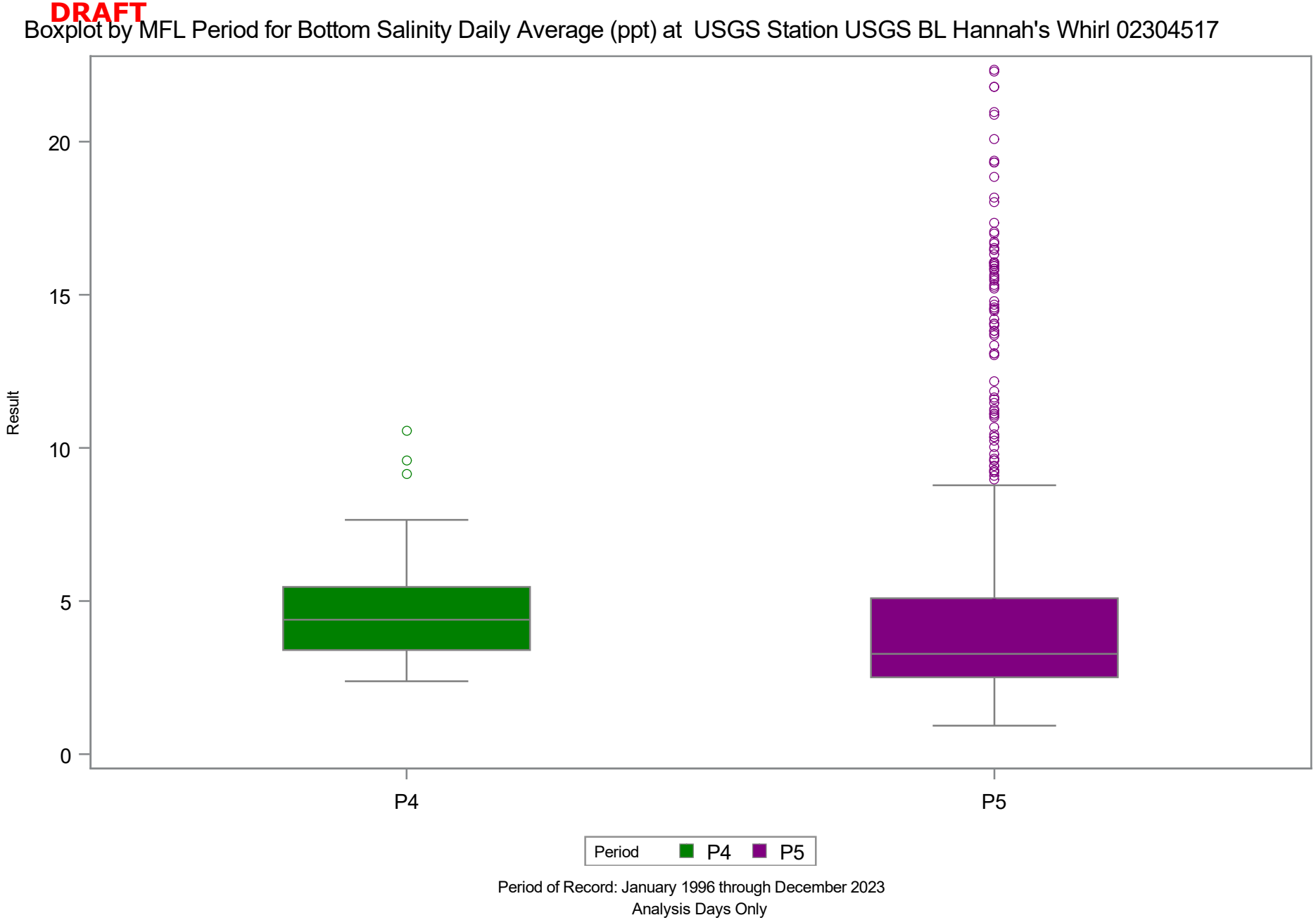
Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517

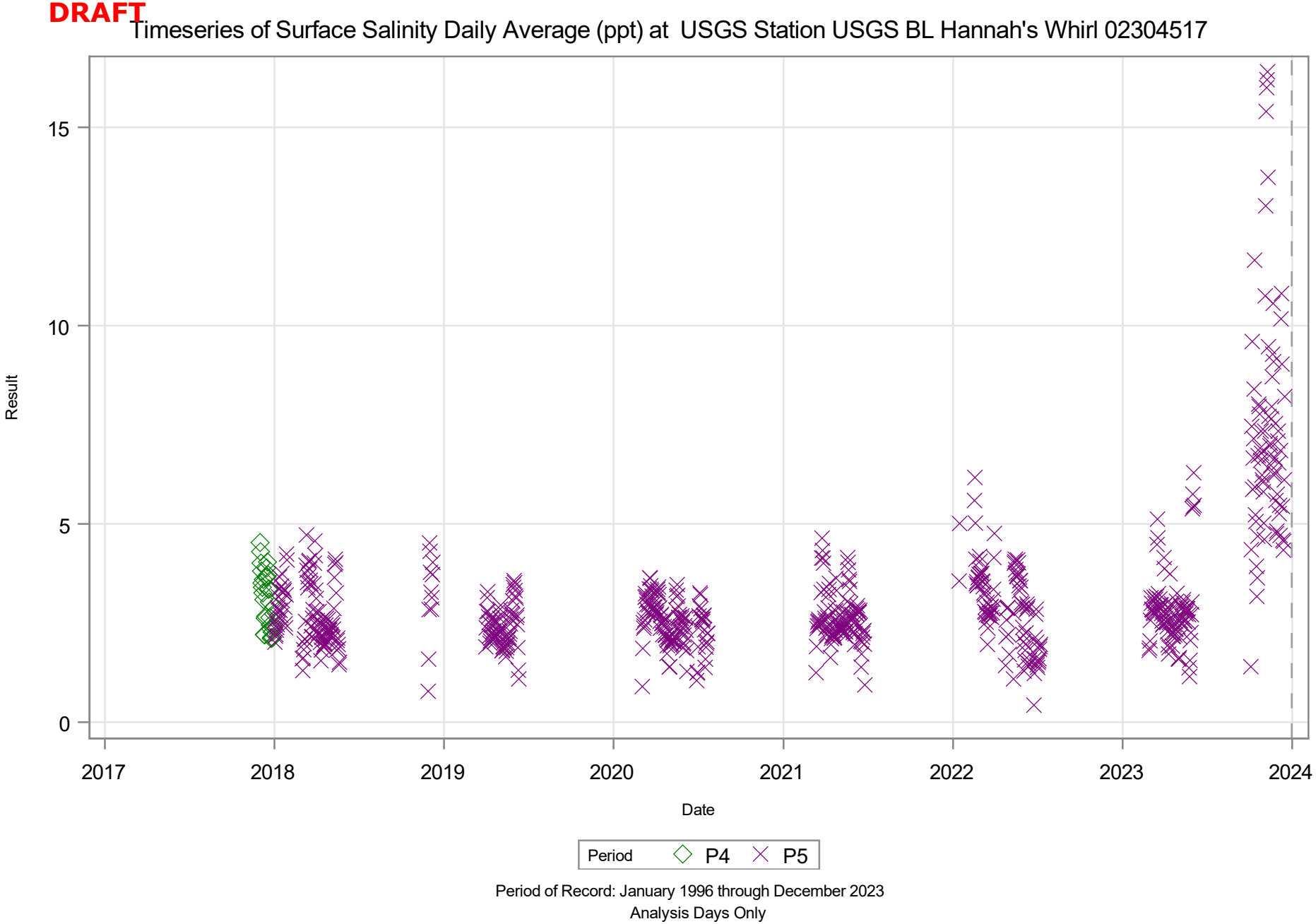
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	2.38	3.40	4.82	4.39	5.46	10.56
P5	696	0.93	2.51	4.86	3.28	5.09	22.35

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

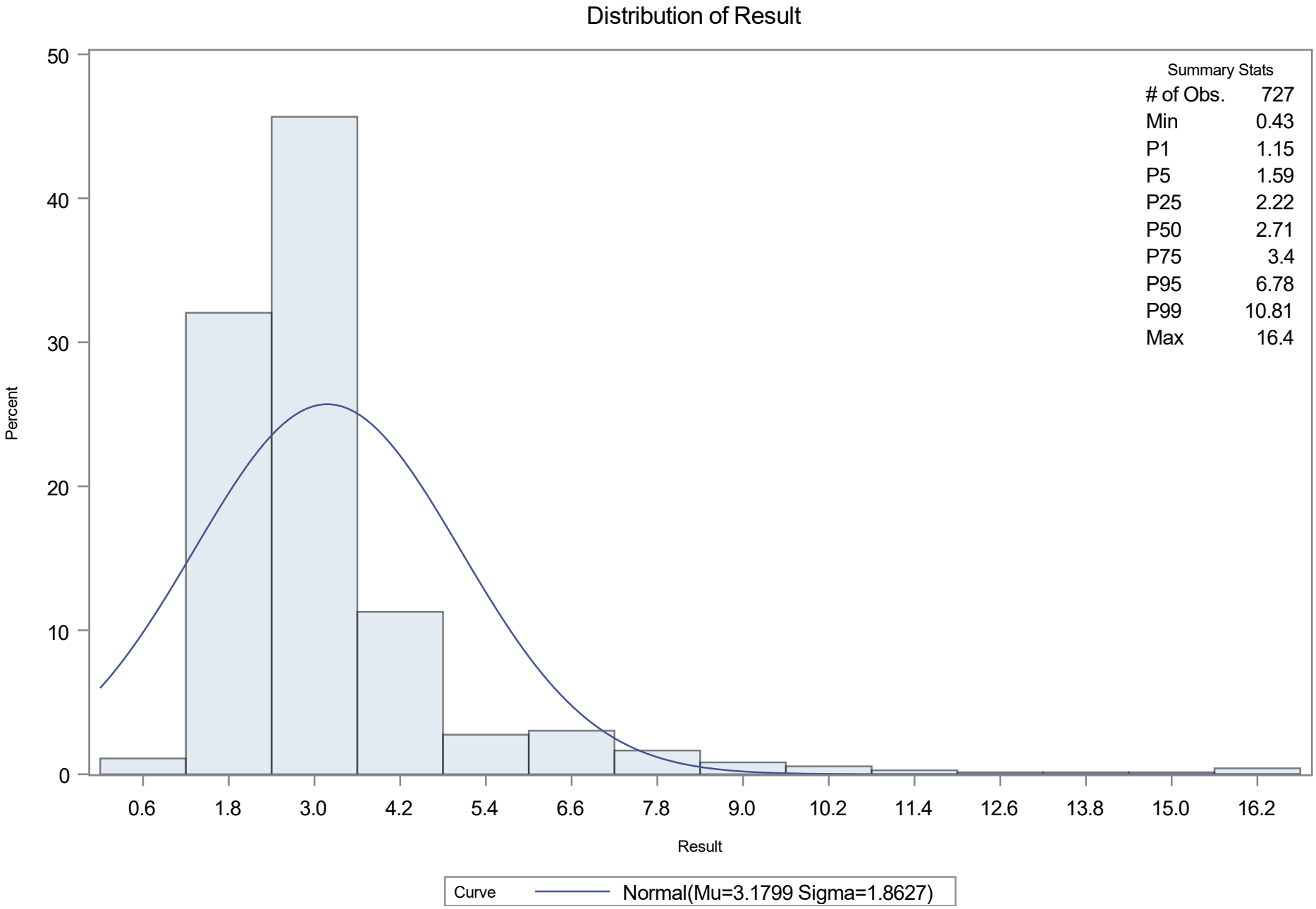

Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517
Result
0
5
10
15
20
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517
Result
15
10
5
0
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.179867
Std Dev	Sigma	1.862673

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2097603	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	12.1199116	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	64.6538972	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.15000	-1.15336
5.0	1.59000	0.11604
10.0	1.90000	0.79276
25.0	2.22000	1.92351
50.0	2.71000	3.17987
75.0	3.40000	4.43622
90.0	4.76000	5.56698
95.0	6.78000	6.24369
99.0	10.81000	7.51309

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	2.11	2.43	3.10	3.09	3.67	4.53
P5	696	0.43	2.22	3.18	2.70	3.35	16.40

Period of Record: January 1996 through December 2023
Analysis Days Only

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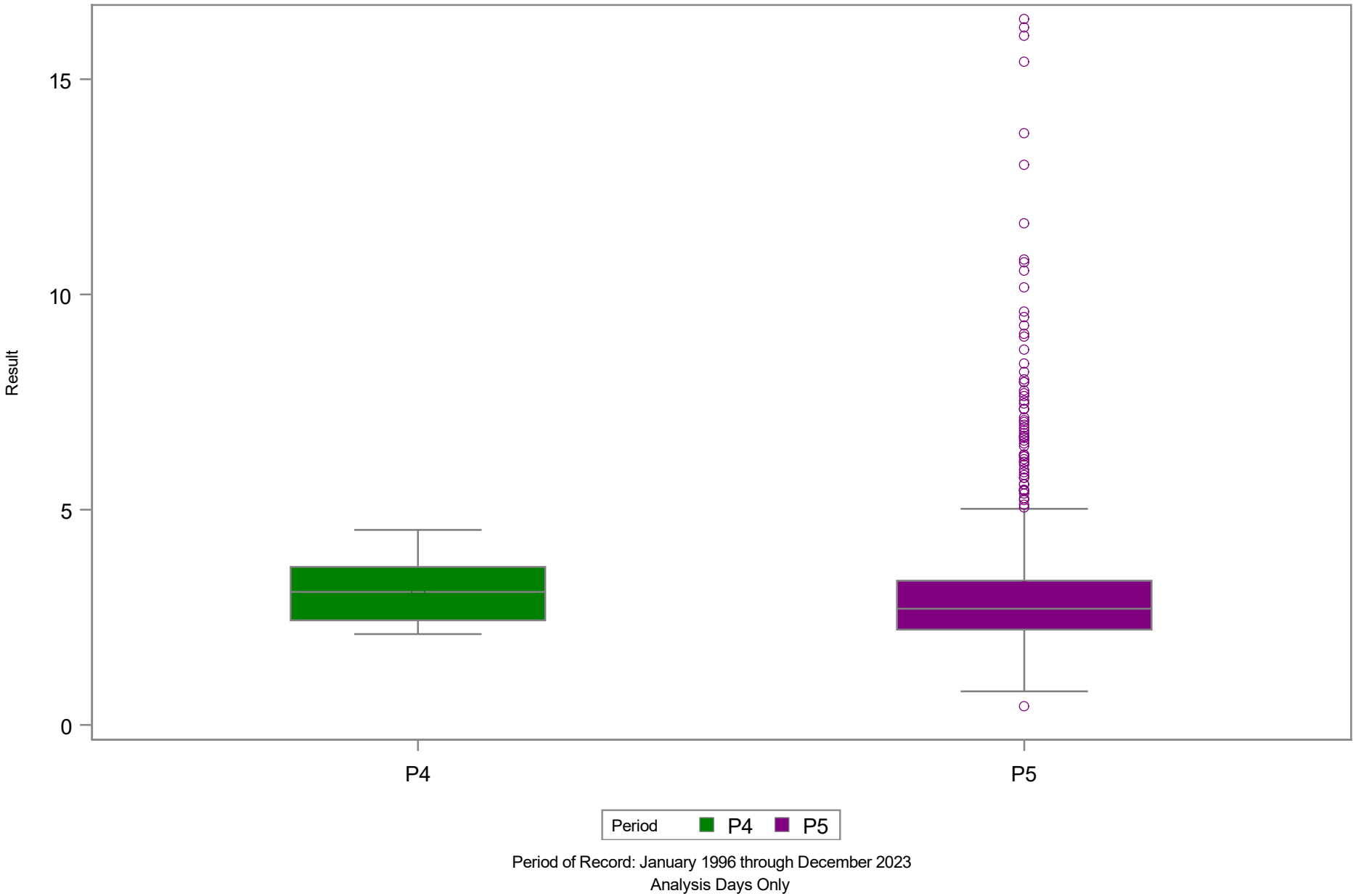
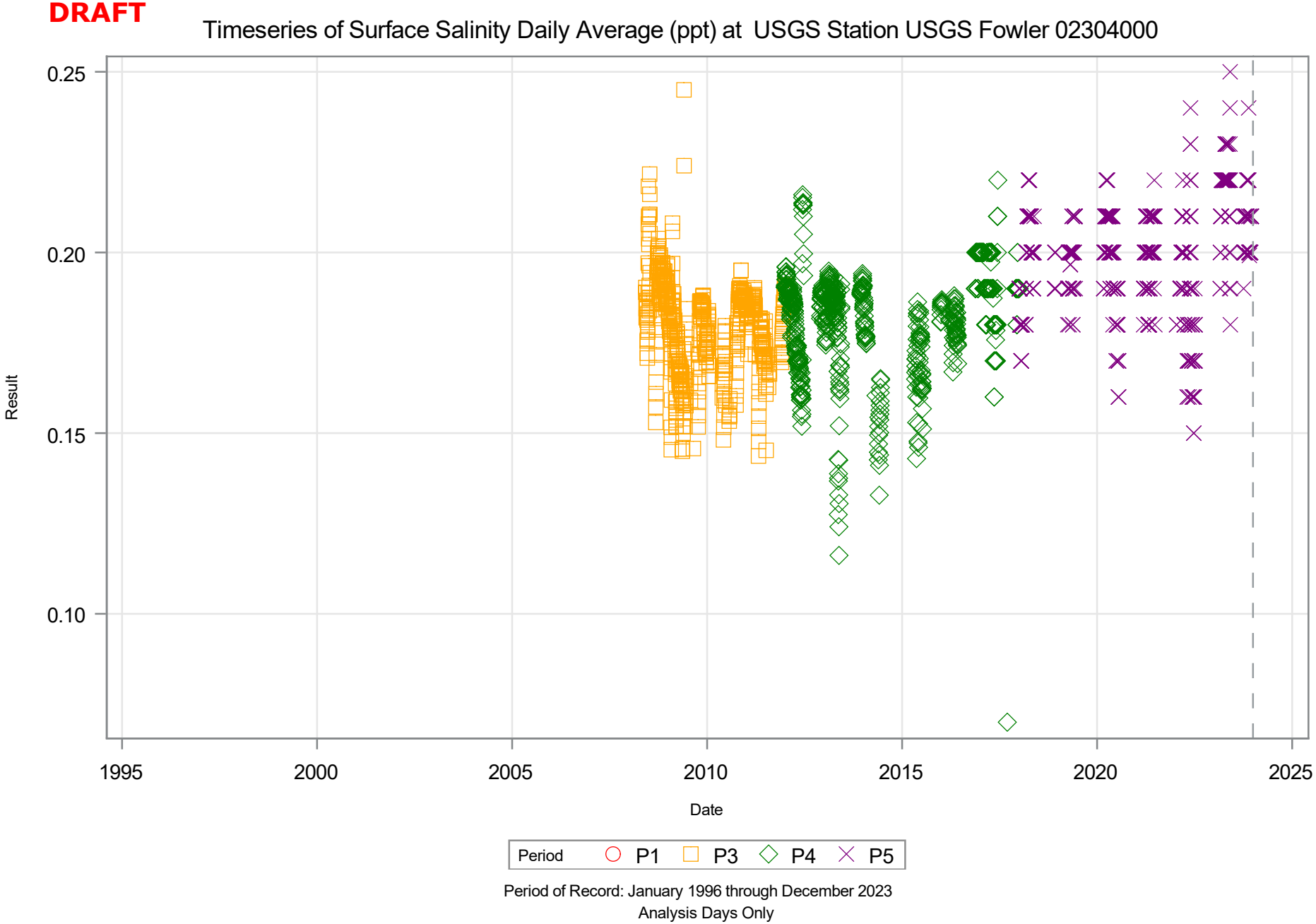
Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS BL Hannah's Whirl 02304517

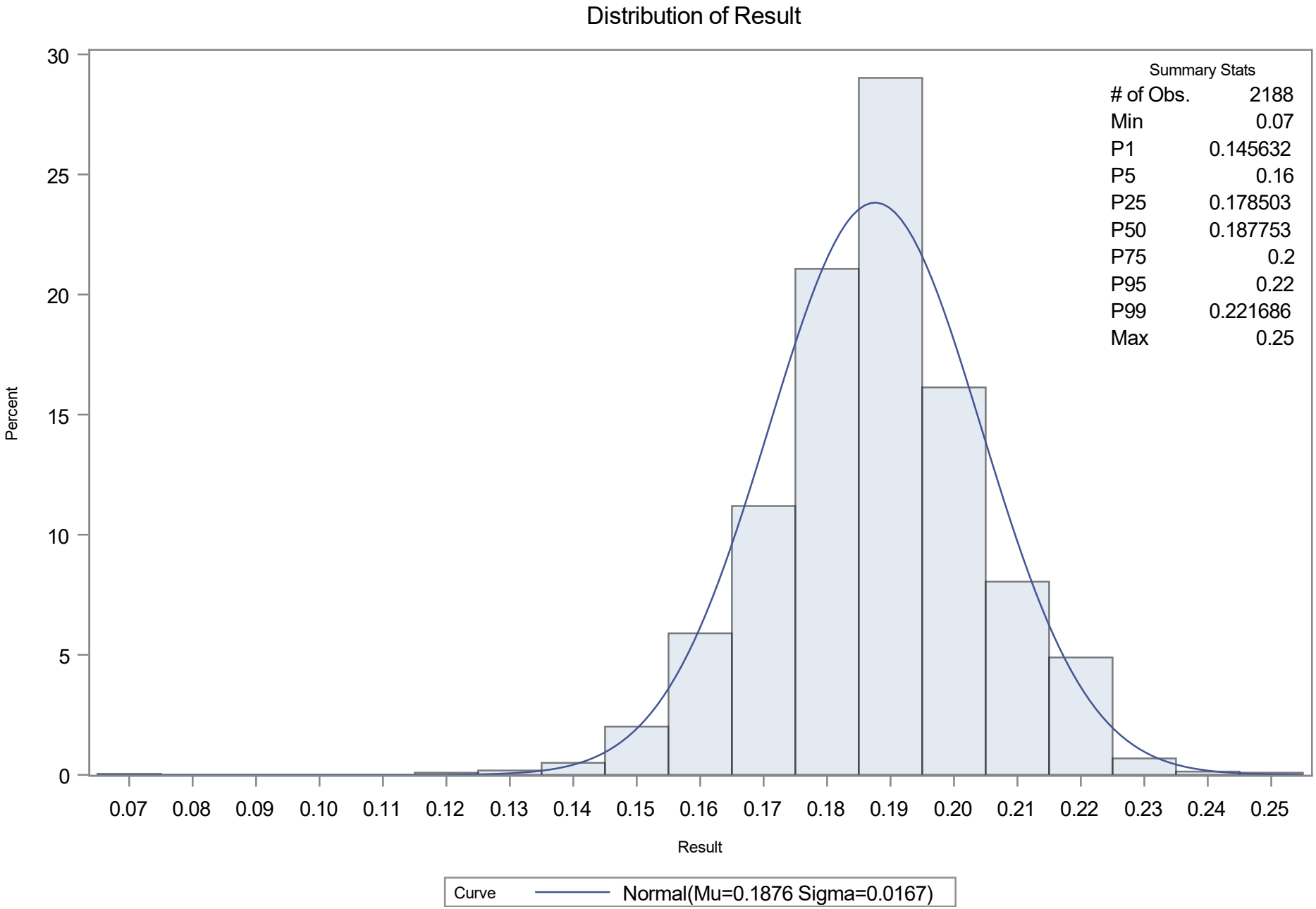


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS Fowler 02304000
0.25
0.20
0.15
0.10
Result
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Fowler 02304000**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Fowler 02304000**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.187564
Std Dev	Sigma	0.016743

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0900422	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.4550401	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.3344098	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.14563	0.14861
5.0	0.16000	0.16002
10.0	0.16688	0.16611
25.0	0.17850	0.17627
50.0	0.18775	0.18756
75.0	0.20000	0.19886
90.0	0.21000	0.20902
95.0	0.22000	0.21510
99.0	0.22169	0.22651

Period of Record: January 1996 through December 2023
Analysis Days Only

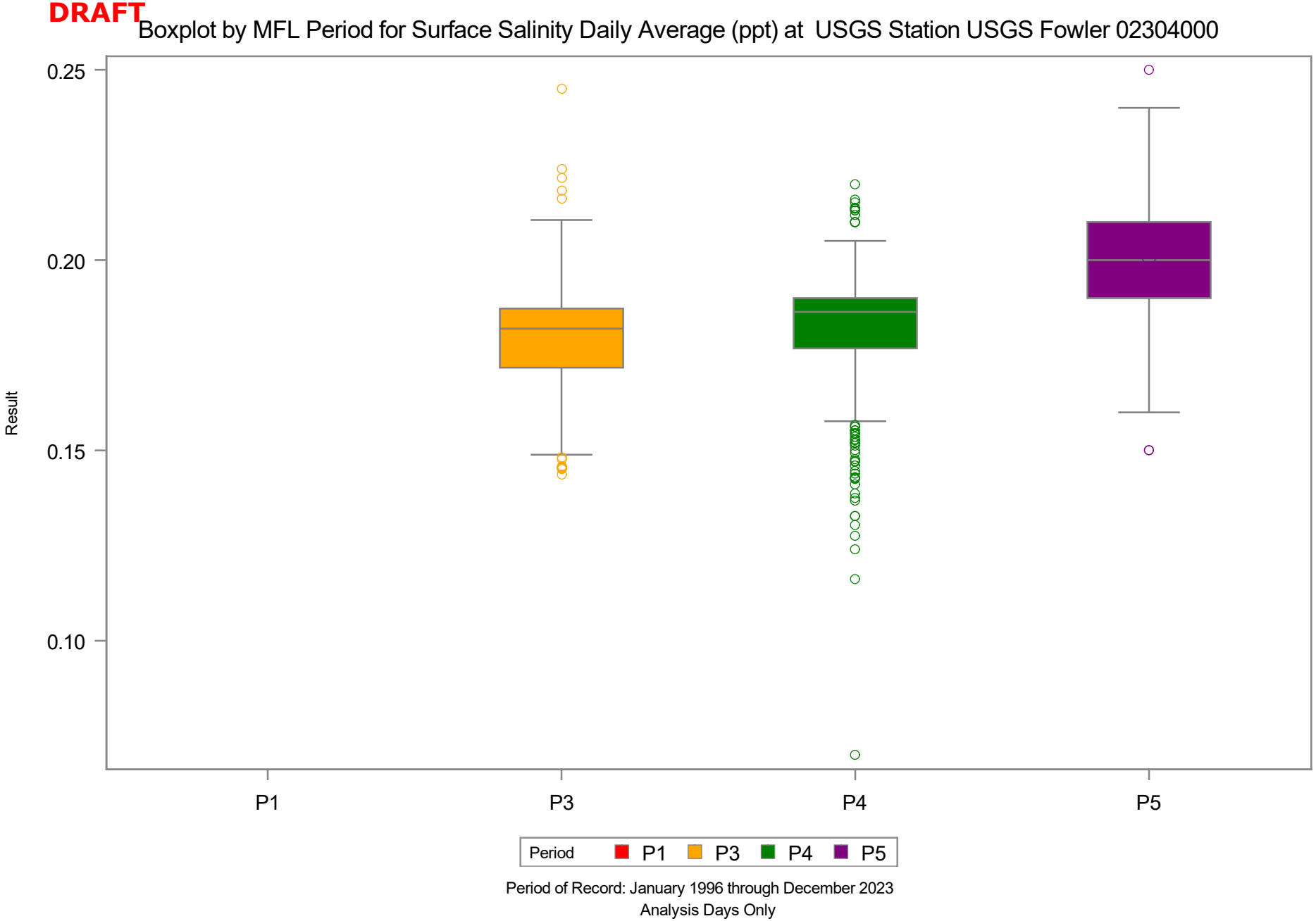
DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Fowler 02304000

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P3	713	0.14	0.17	0.18	0.18	0.19	0.25
P4	779	0.07	0.18	0.18	0.19	0.19	0.22
P5	696	0.15	0.19	0.20	0.20	0.21	0.25

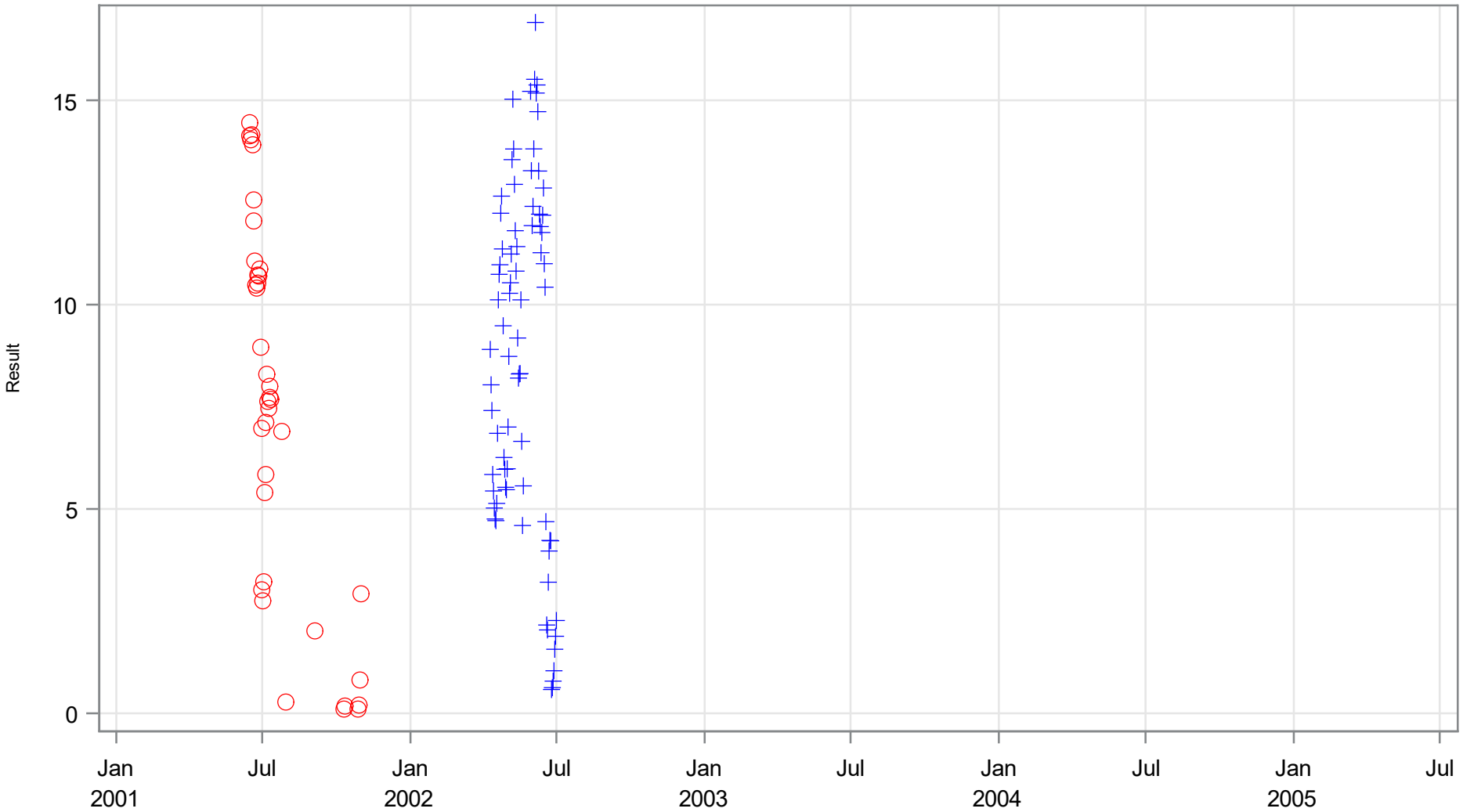
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Fowler 02304000
Result
0.25
0.20
0.15
0.10
P1
P3
P4
P5
Period
P1
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

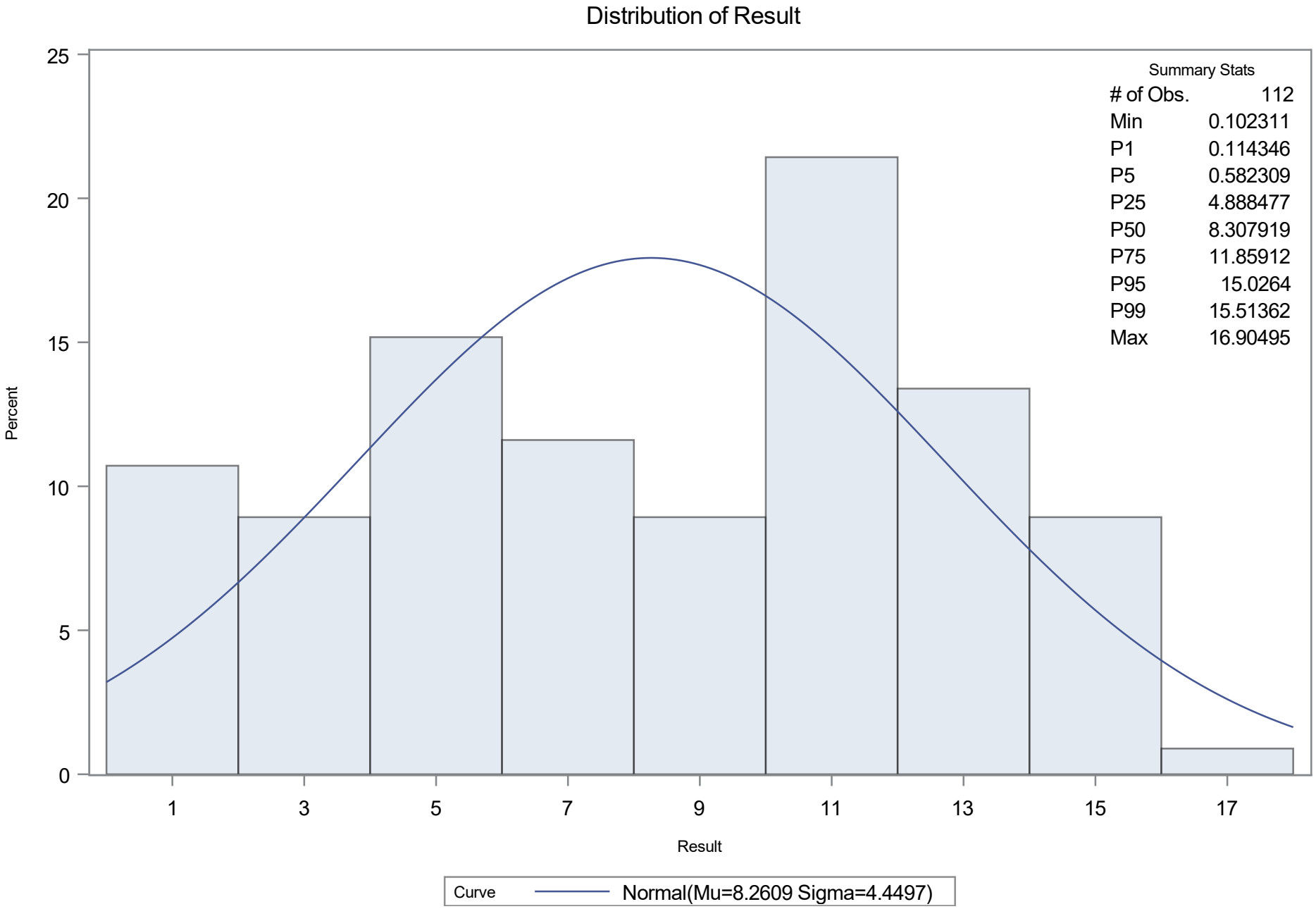
Timeseries of Bottom Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.260913
Std Dev	Sigma	4.449747

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10811049	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.16671931	**Pr > W-Sq**	0.015
Anderson-Darling	**A-Sq**	1.09423952	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11435	-2.09075
5.0	0.58231	0.94173
10.0	1.88543	2.55833
25.0	4.88848	5.25960
50.0	8.30792	8.26091
75.0	11.85912	11.26222
90.0	13.90568	13.96349
95.0	15.02640	15.58010
99.0	15.51362	18.61257

Period of Record: January 1996 through December 2023
Analysis Days Only

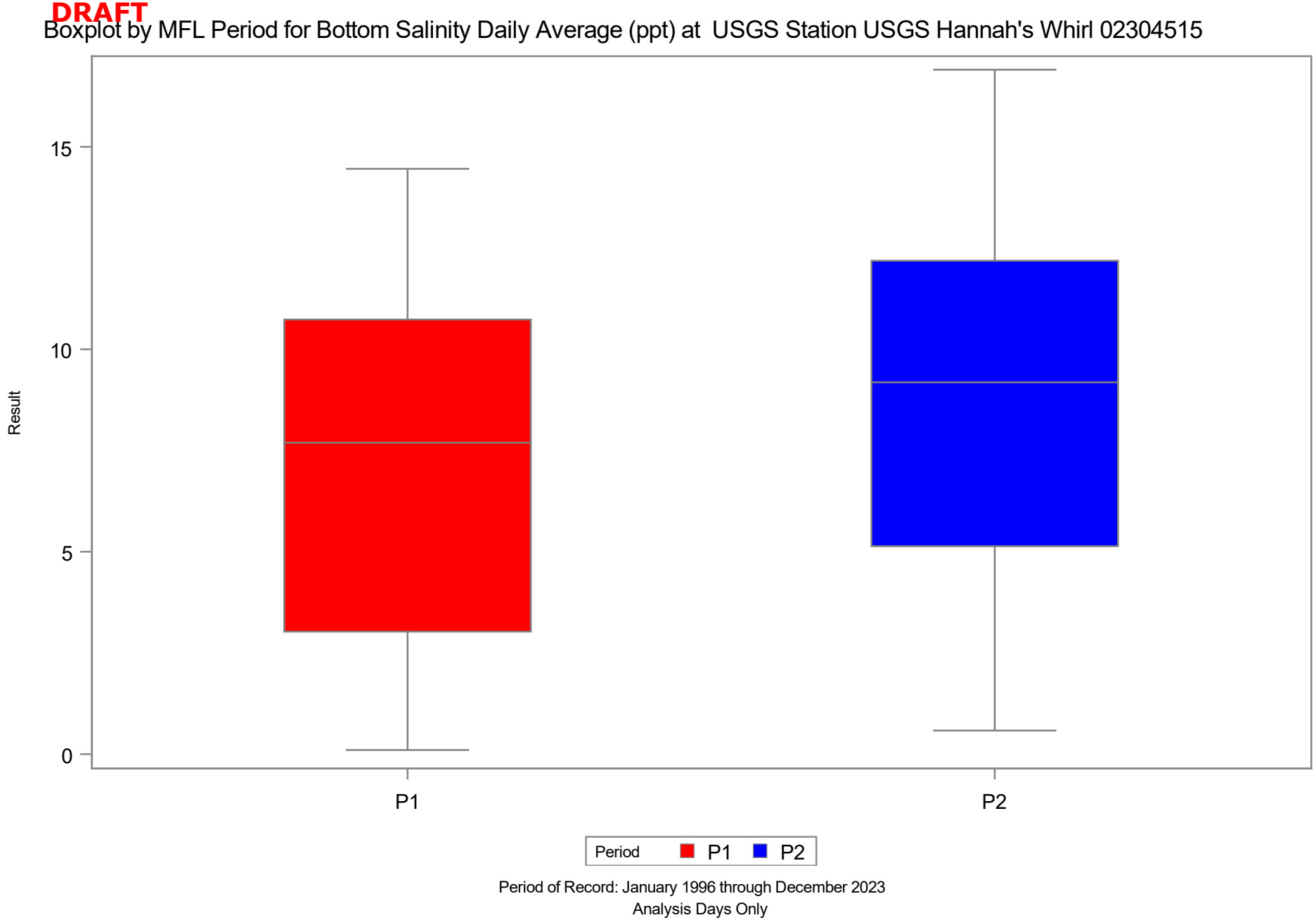
DRAFT

Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515

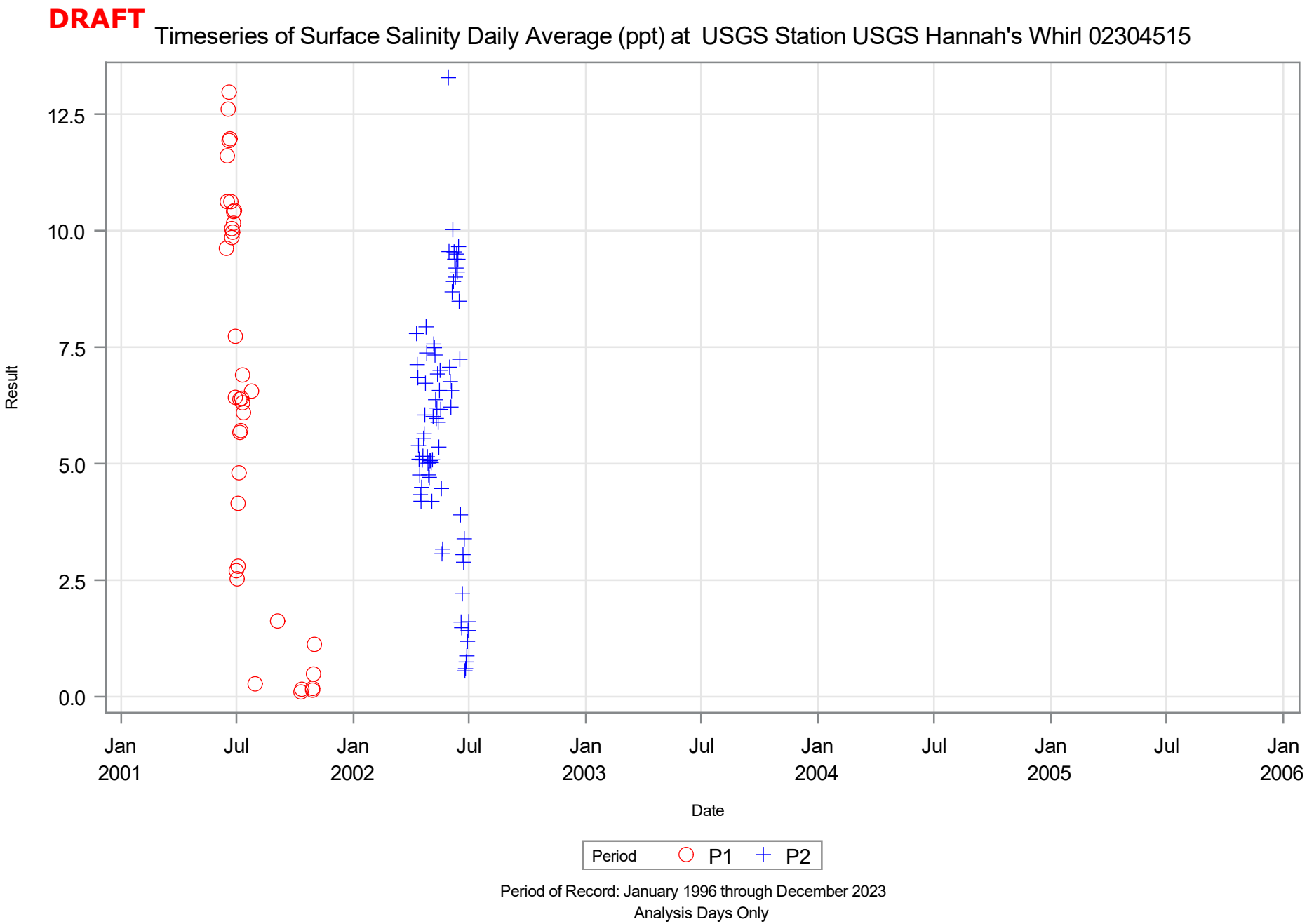
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	0.10	3.03	7.40	7.69	10.73	14.46
P2	75	0.58	5.14	8.69	9.18	12.19	16.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

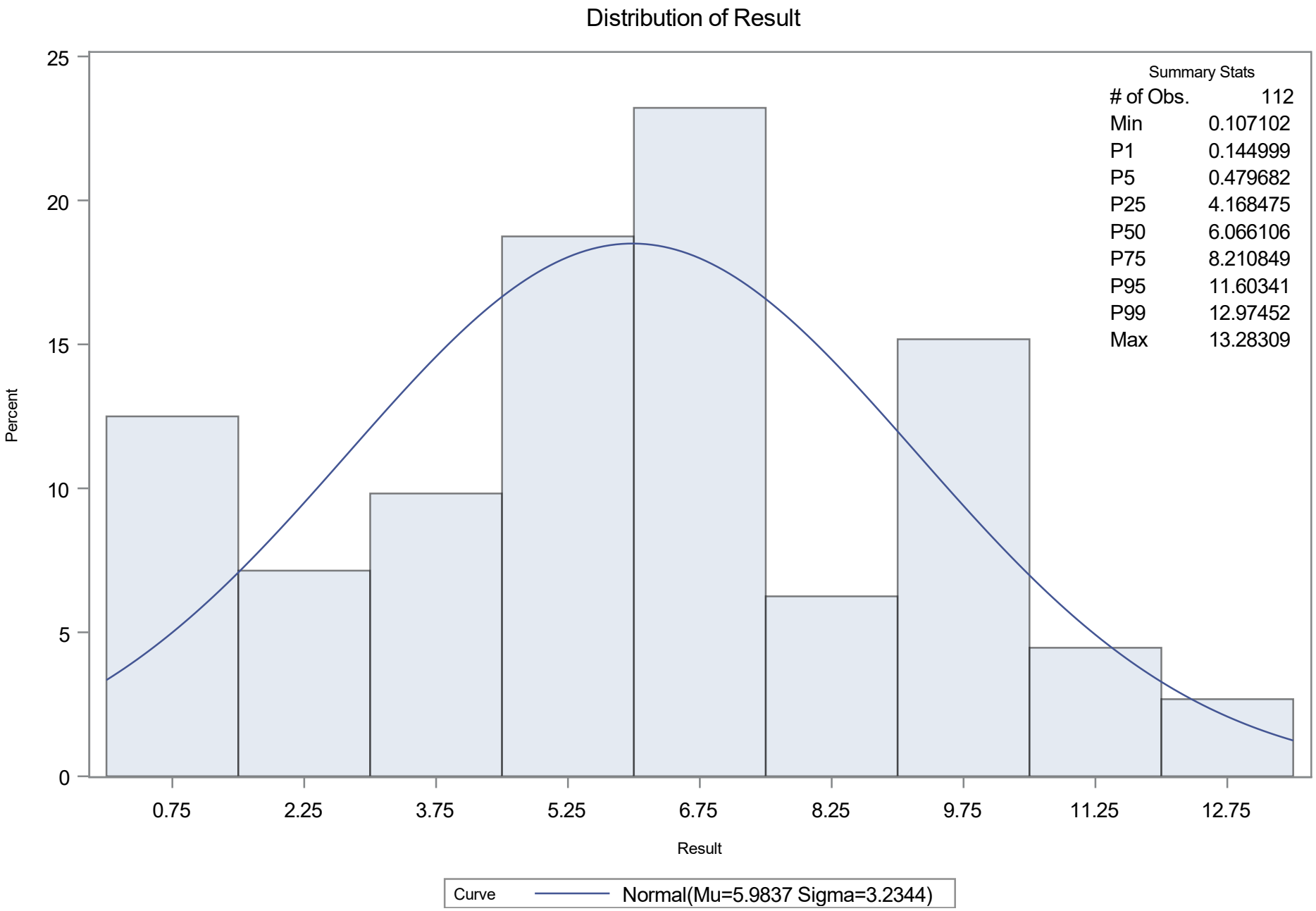

Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515
Result
15
10
5
0
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515
Result
12.5
10.0
7.5
5.0
2.5
0.0
Jan 2001
Jul
Jan 2002
Jul
Jan 2003
Jul
Jan 2004
Jul
Jan 2005
Jul
Jan 2006
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.983705
Std Dev	Sigma	3.234359

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06252411	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07633149	**Pr > W-Sq**	0.234
Anderson-Darling	**A-Sq**	0.58844626	**Pr > A-Sq**	0.128

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.14500	-1.54054
5.0	0.47968	0.66366
10.0	1.18730	1.83871
25.0	4.16848	3.80216
50.0	6.06611	5.98371
75.0	8.21085	8.16525
90.0	10.03888	10.12870
95.0	11.60341	11.30375
99.0	12.97452	13.50795

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	0.11	2.69	6.43	6.41	10.16	12.97
P2	75	0.55	4.33	5.76	5.89	7.37	13.28

Period of Record: January 1996 through December 2023
Analysis Days Only

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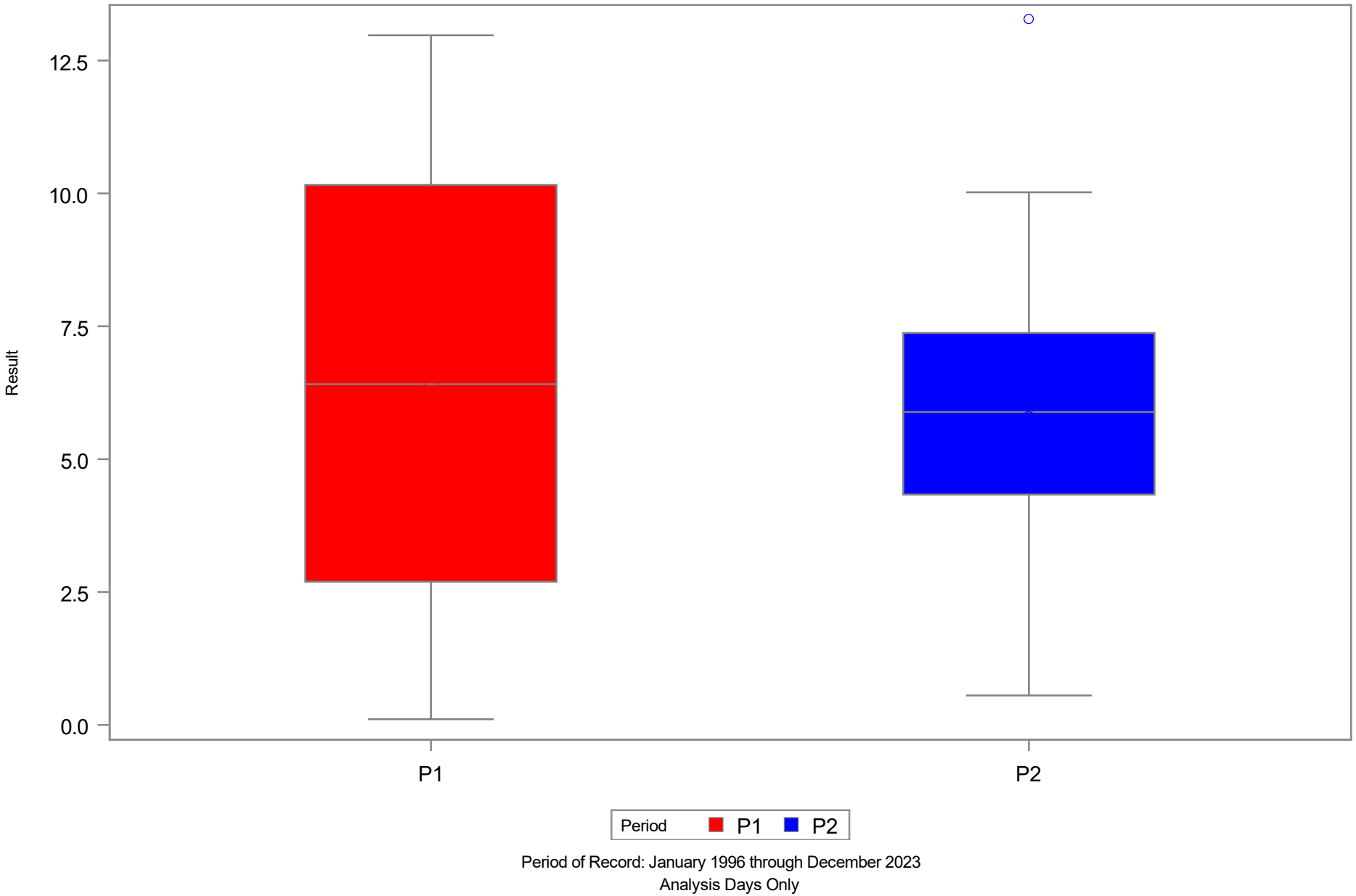
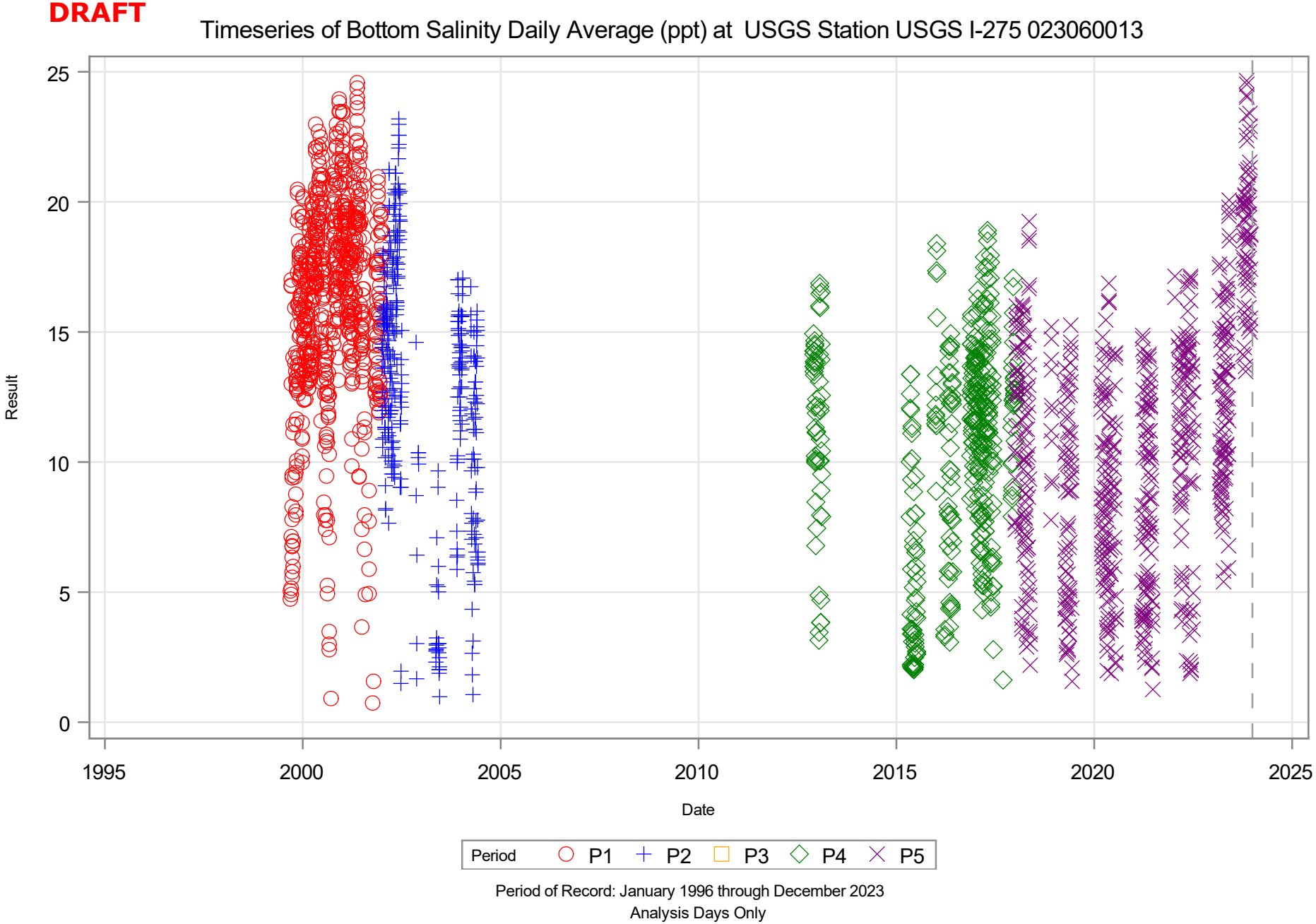
Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Hannah's Whirl 02304515

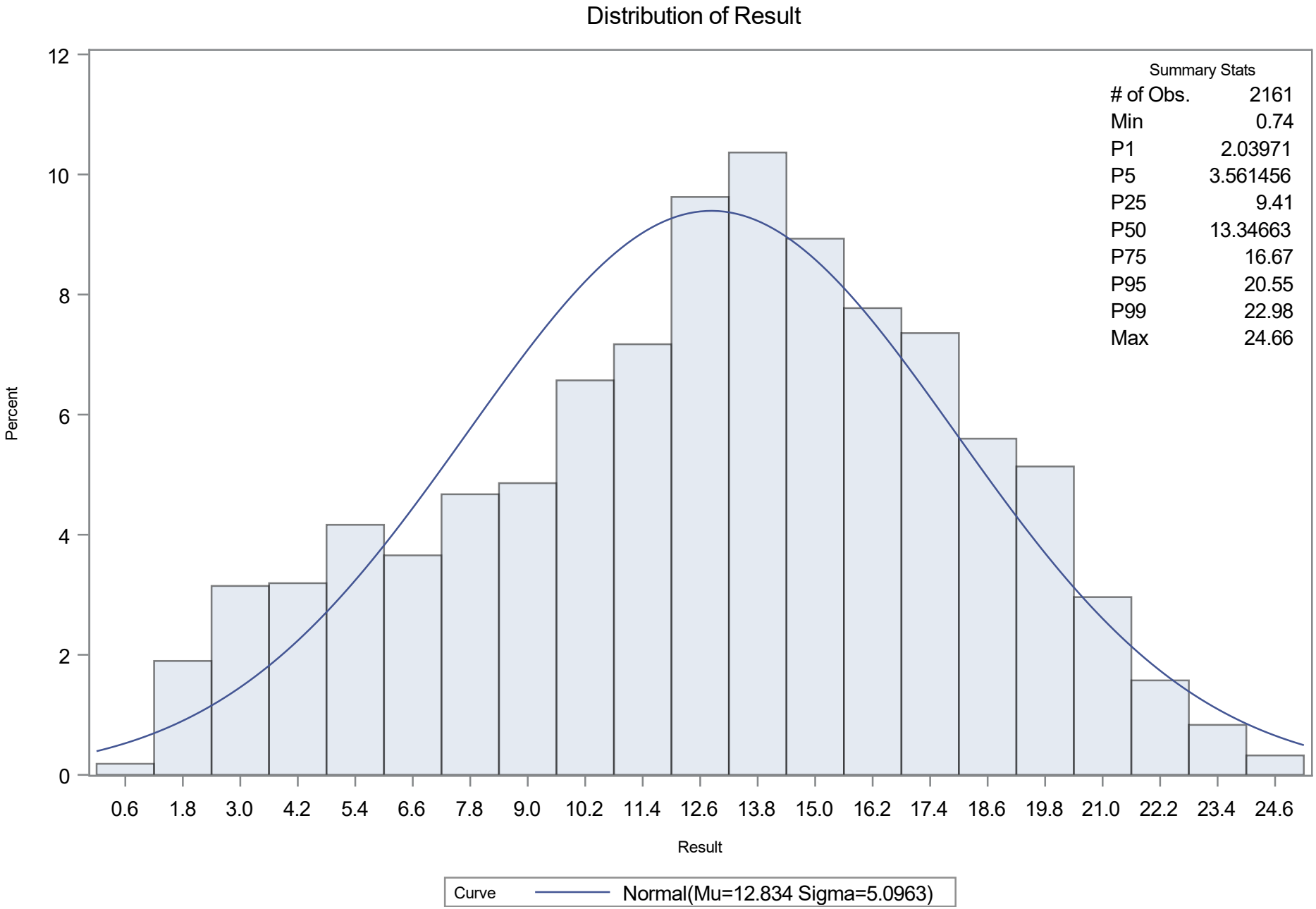


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013
Result
25
20
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	12.83439
Std Dev	Sigma	5.096267

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04632308	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.20870623	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.35274671	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.03971	0.97870
5.0	3.56146	4.45178
10.0	5.24000	6.30327
25.0	9.41000	9.39701
50.0	13.34663	12.83439
75.0	16.67000	16.27178
90.0	19.31000	19.36552
95.0	20.55000	21.21701
99.0	22.98000	24.69009

Period of Record: January 1996 through December 2023
Analysis Days Only

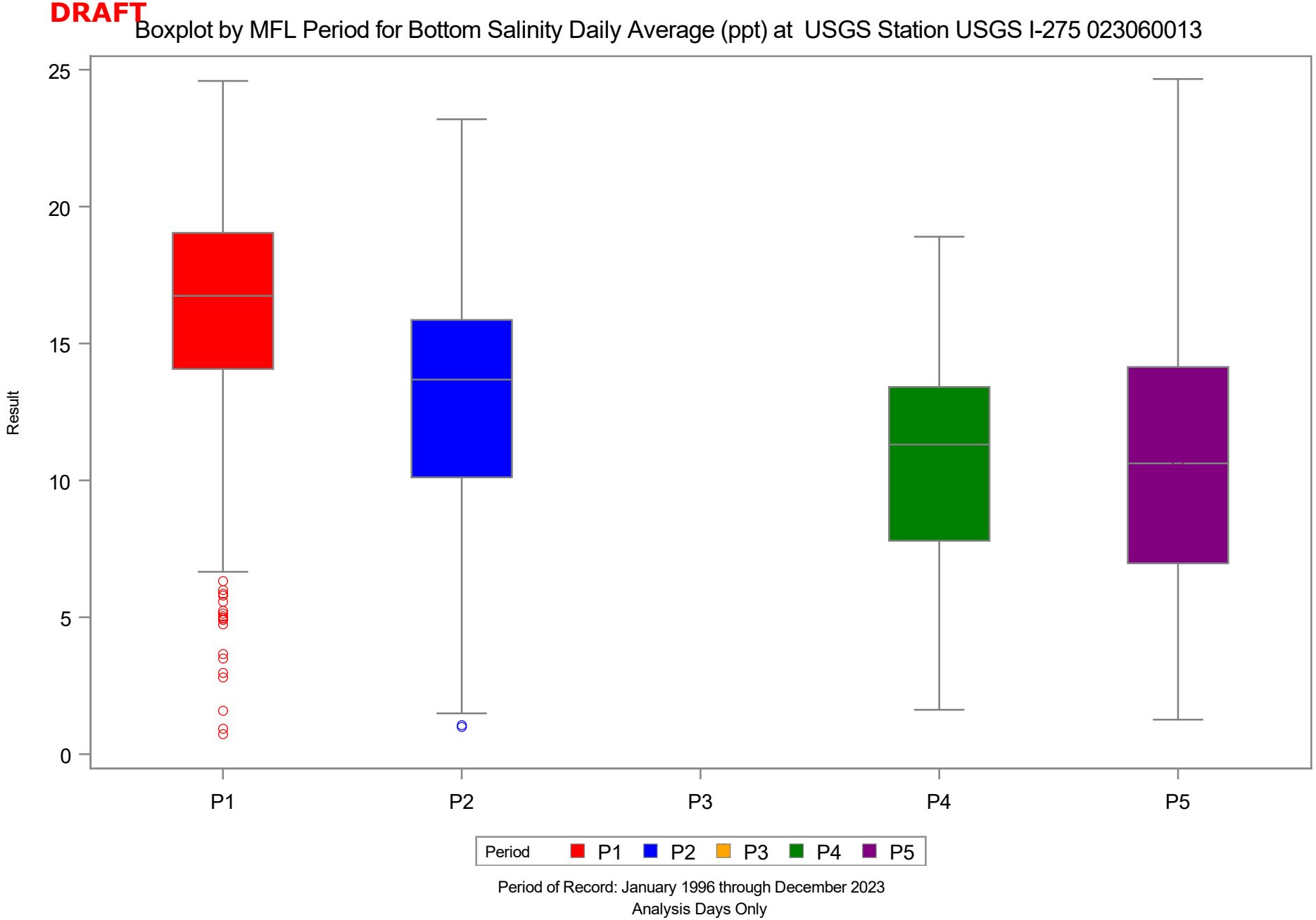
DRAFT

Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013

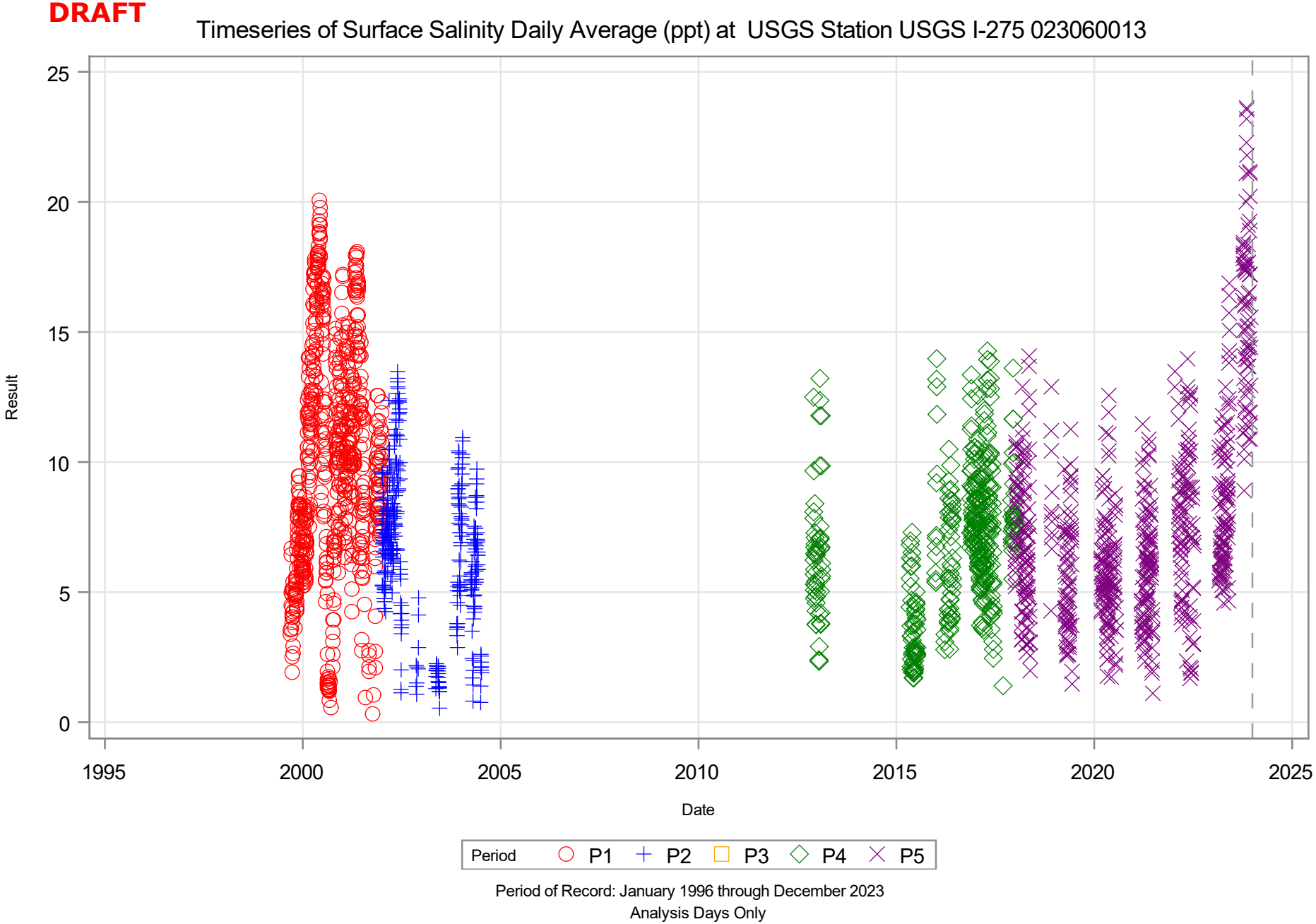
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	709	0.74	14.07	16.24	16.74	19.04	24.59
P2	338	0.98	10.11	12.86	13.68	15.86	23.19
P3	0	0	0	0	0	0	0
P4	418	1.62	7.80	10.48	11.31	13.41	18.90
P5	696	1.26	6.97	10.77	10.62	14.14	24.66

Period of Record: January 1996 through December 2023
Analysis Days Only

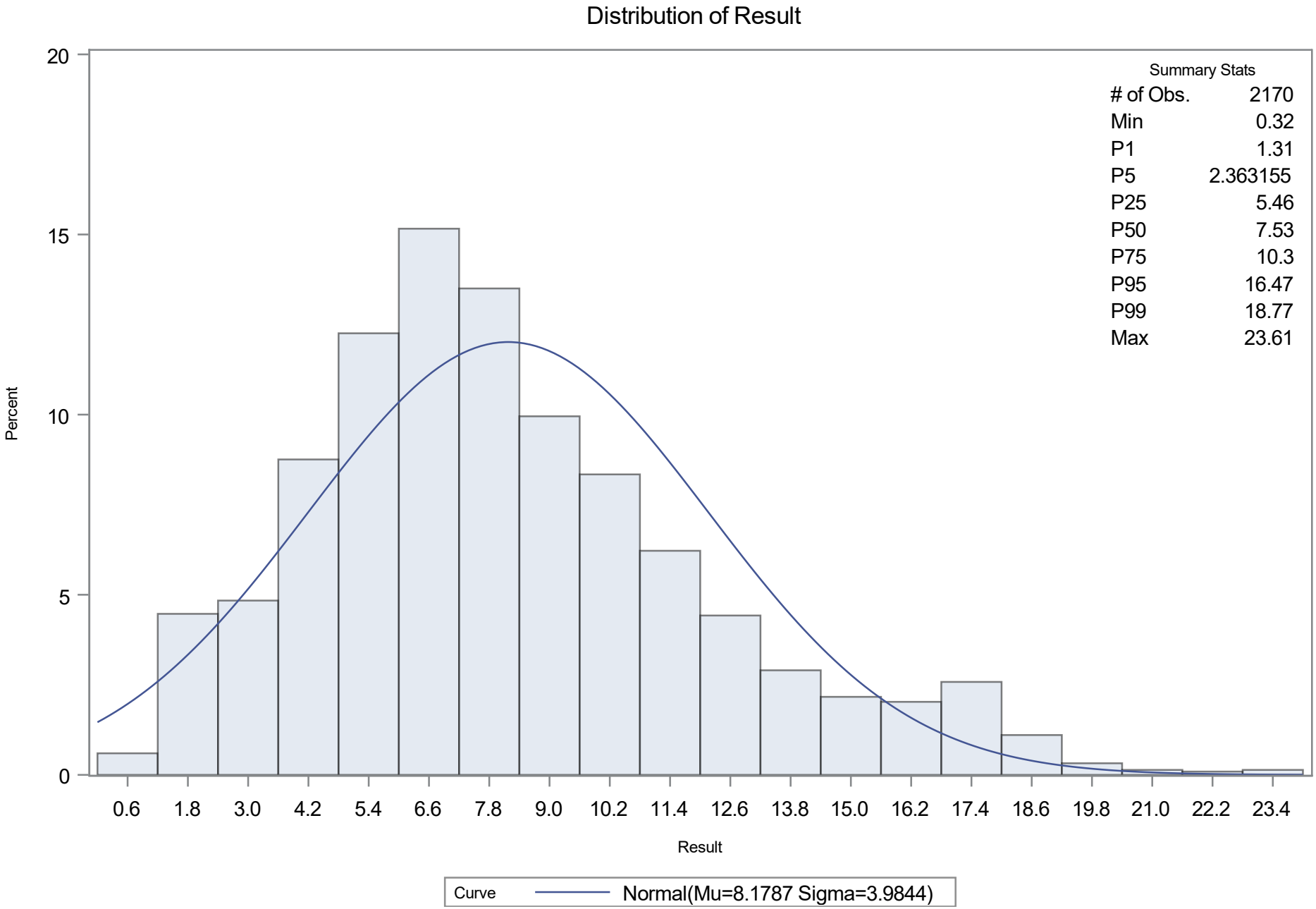
DRAFT


Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013
Result
25
20
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013
Result
25
20
15
10
5
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	8.178664
Std Dev	Sigma	3.984375

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0806147	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.7457542	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	22.6063712	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.31000	-1.09038
5.0	2.36315	1.62495
10.0	3.60692	3.07248
25.0	5.46000	5.49124
50.0	7.53000	8.17866
75.0	10.30000	10.86608
90.0	13.87000	13.28485
95.0	16.47000	14.73238
99.0	18.77000	17.44771

Period of Record: January 1996 through December 2023
Analysis Days Only

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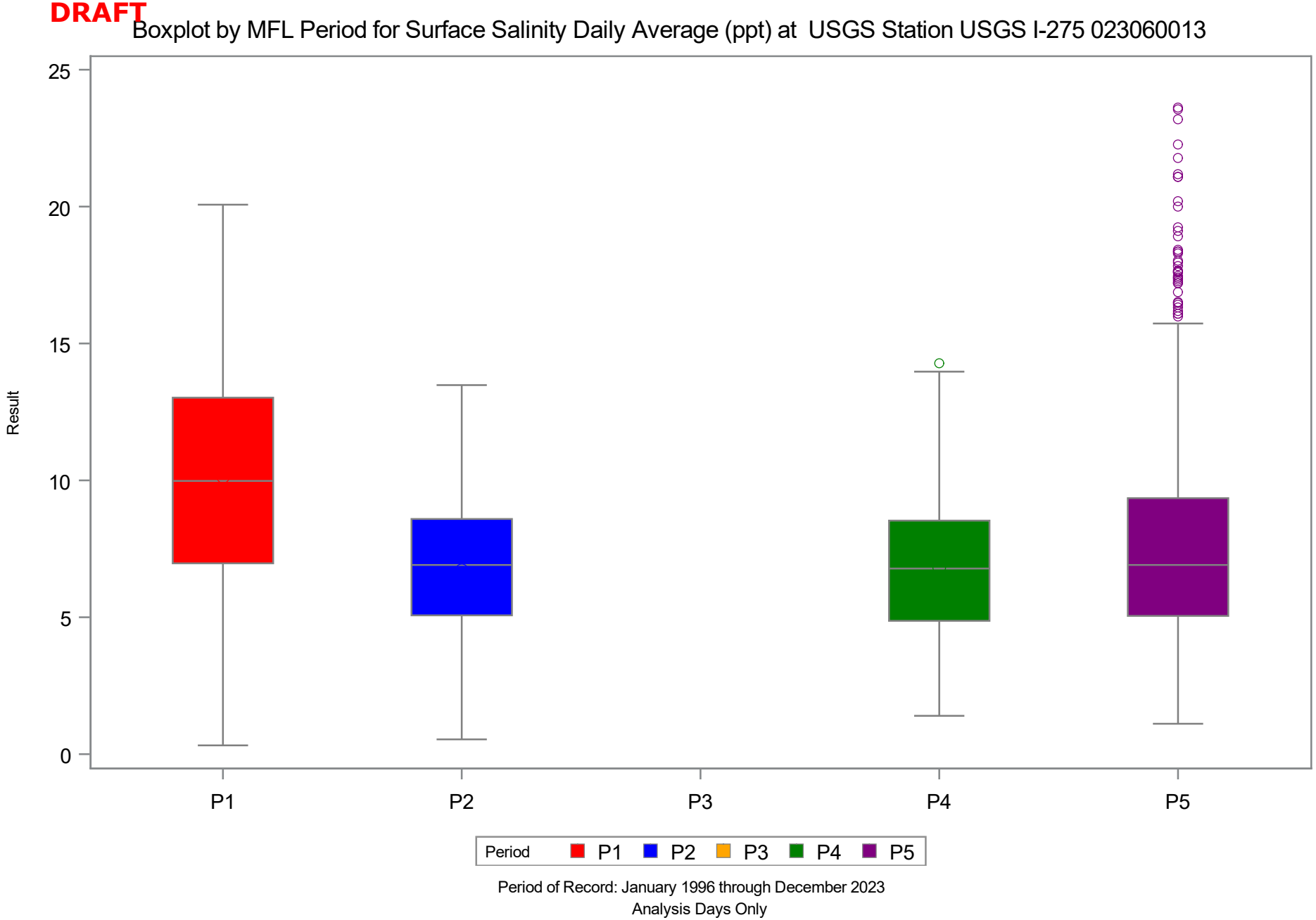
Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013

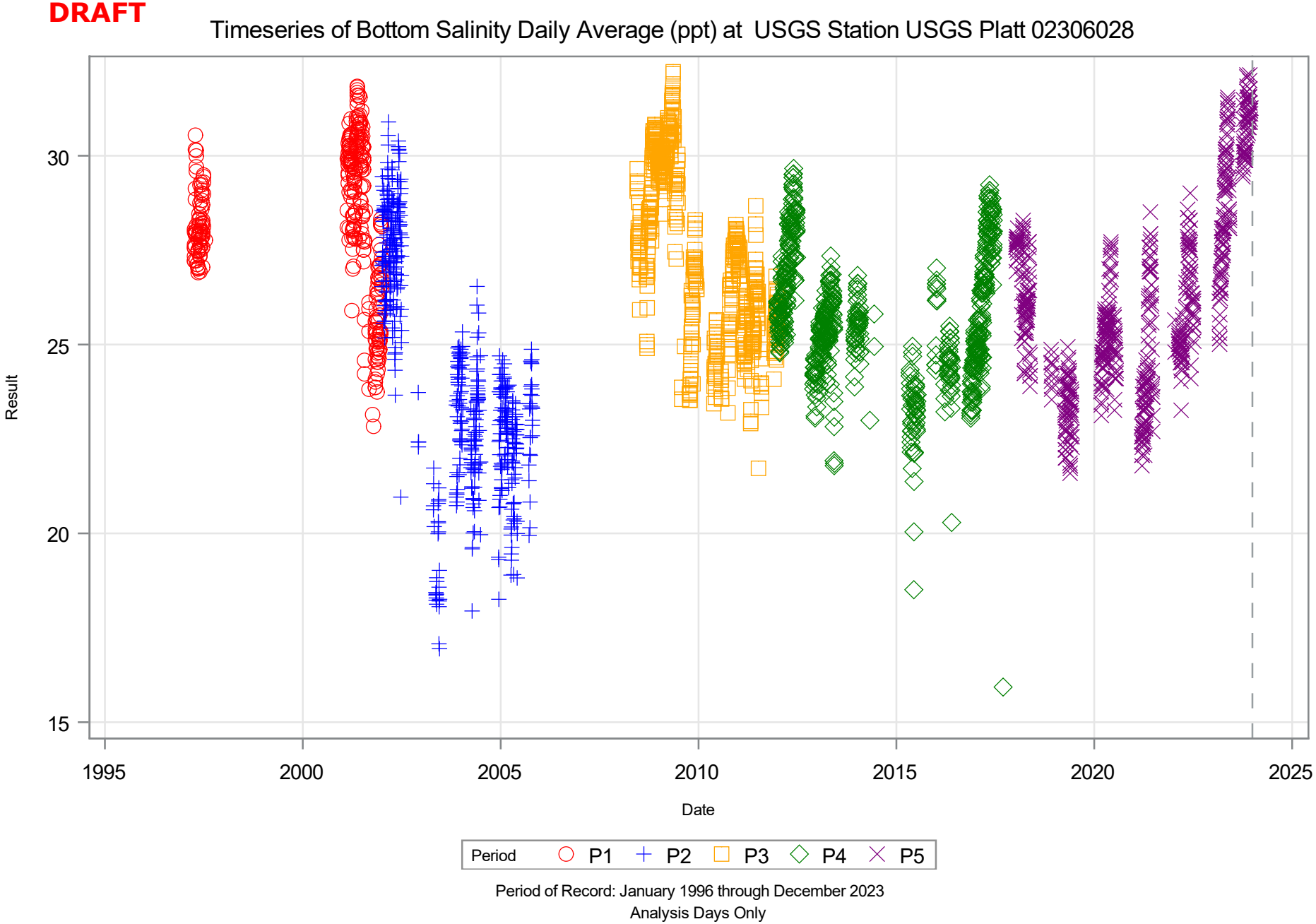
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	707	0.32	6.97	10.14	9.98	13.02	20.07
P2	345	0.54	5.07	6.71	6.91	8.59	13.48
P3	0	0	0	0	0	0	0
P4	423	1.40	4.87	6.83	6.78	8.53	14.27
P5	695	1.11	5.05	7.73	6.91	9.35	23.61

Period of Record: January 1996 through December 2023
Analysis Days Only

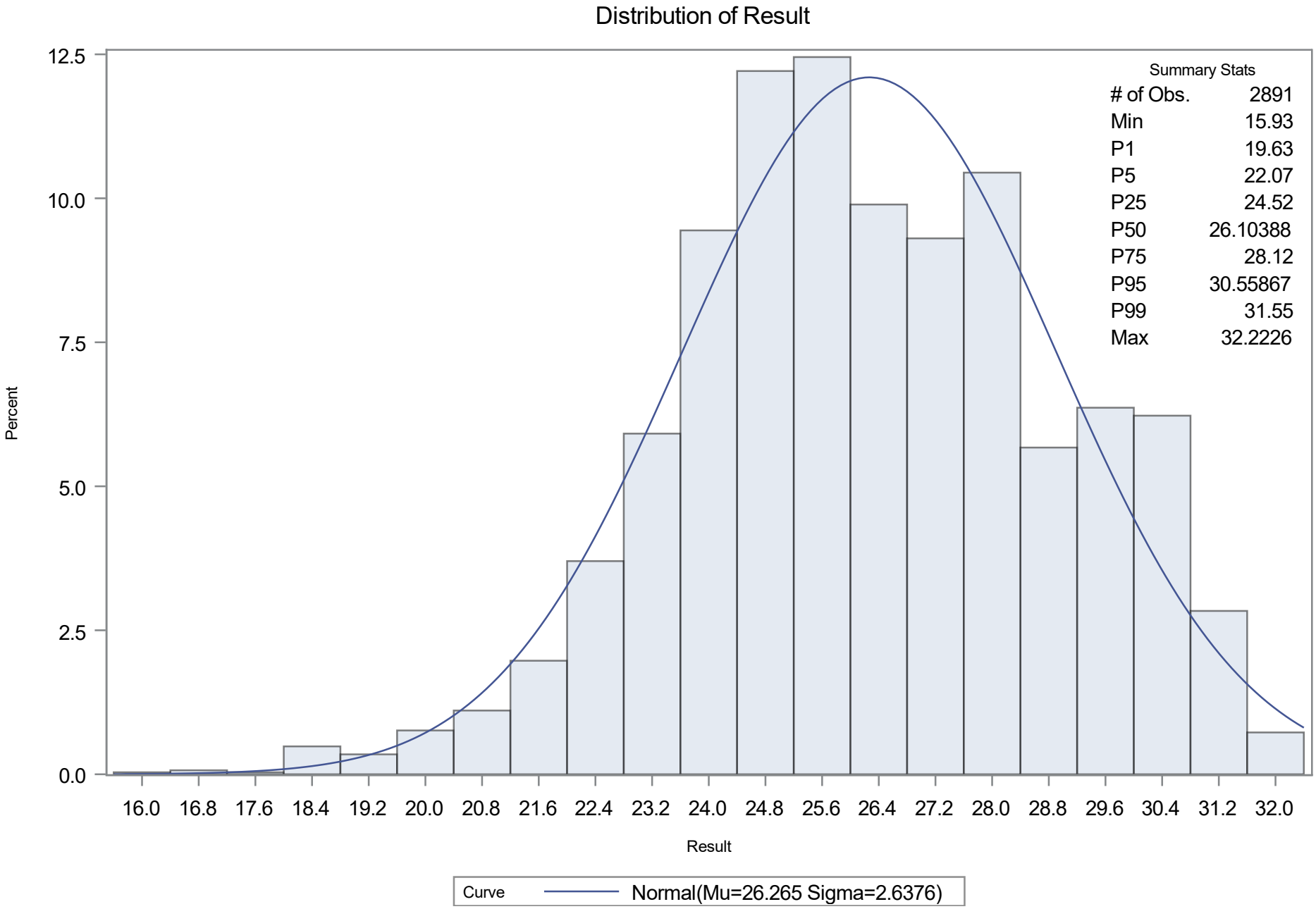
DRAFT


Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS I-275 023060013
Result
25
20
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.26485
Std Dev	Sigma	2.637571

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03343858	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.68600655	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.14190148	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19.6300	20.1289
5.0	22.0700	21.9264
10.0	23.0500	22.8847
25.0	24.5200	24.4858
50.0	26.1039	26.2648
75.0	28.1200	28.0439
90.0	29.9807	29.6450
95.0	30.5587	30.6033
99.0	31.5500	32.4008

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

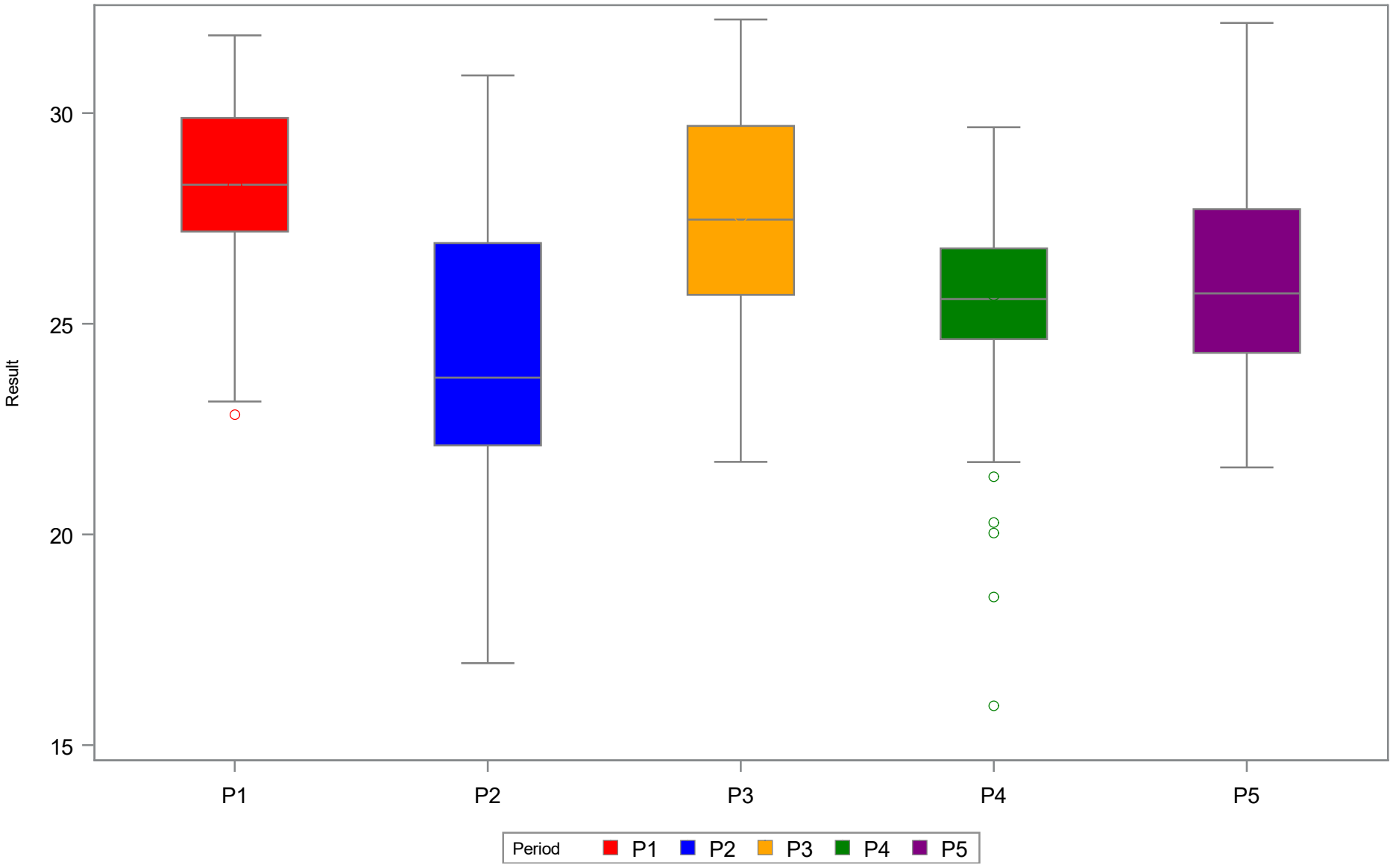
Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	309	22.85	27.19	28.29	28.30	29.89	31.85
P2	518	16.95	22.12	24.23	23.72	26.92	30.90
P3	657	21.72	25.69	27.57	27.47	29.70	32.22
P4	720	15.93	24.64	25.71	25.59	26.79	29.66
P5	687	21.59	24.31	26.23	25.72	27.72	32.14

Period of Record: January 1996 through December 2023
Analysis Days Only

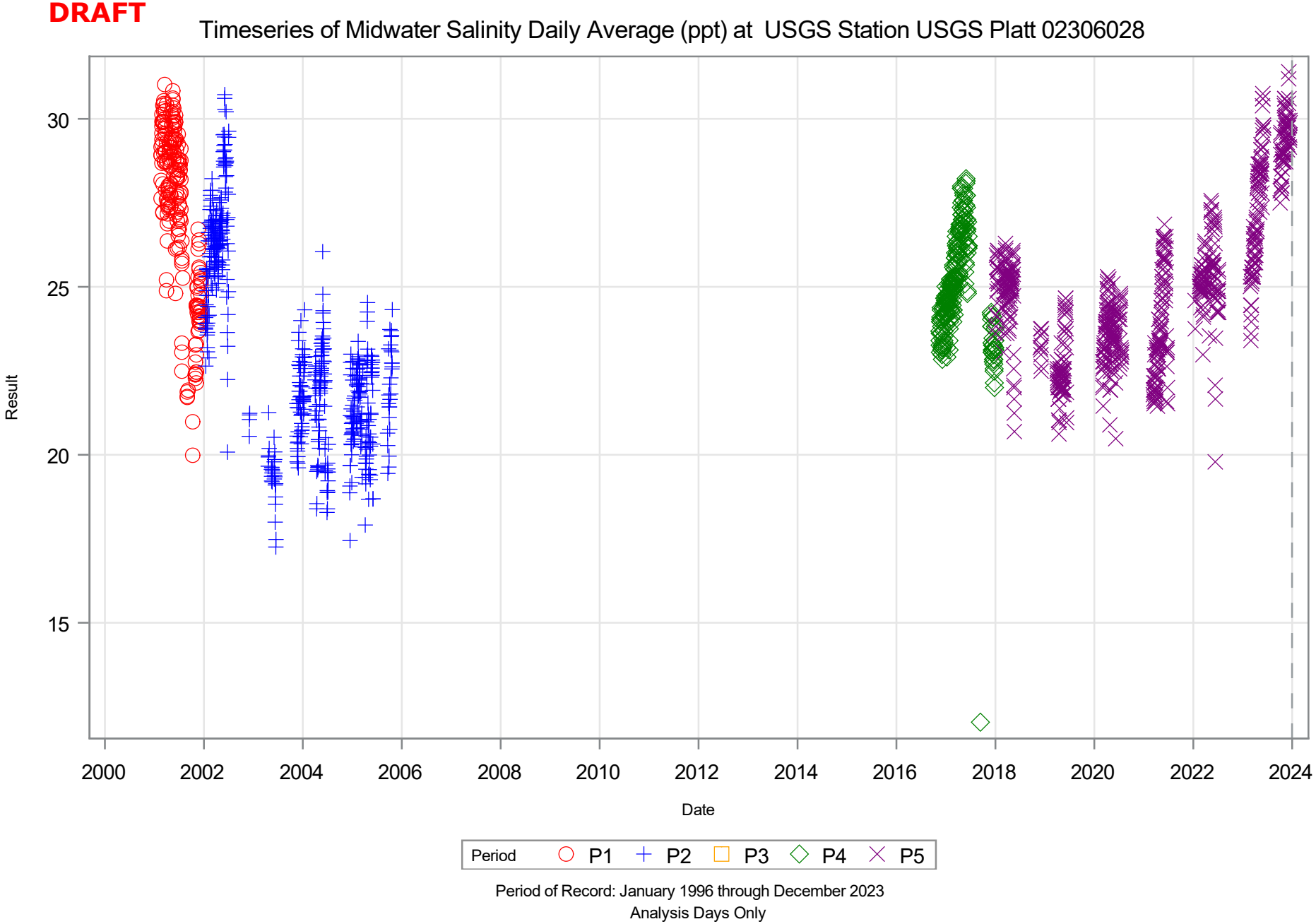
DRAFT

Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028

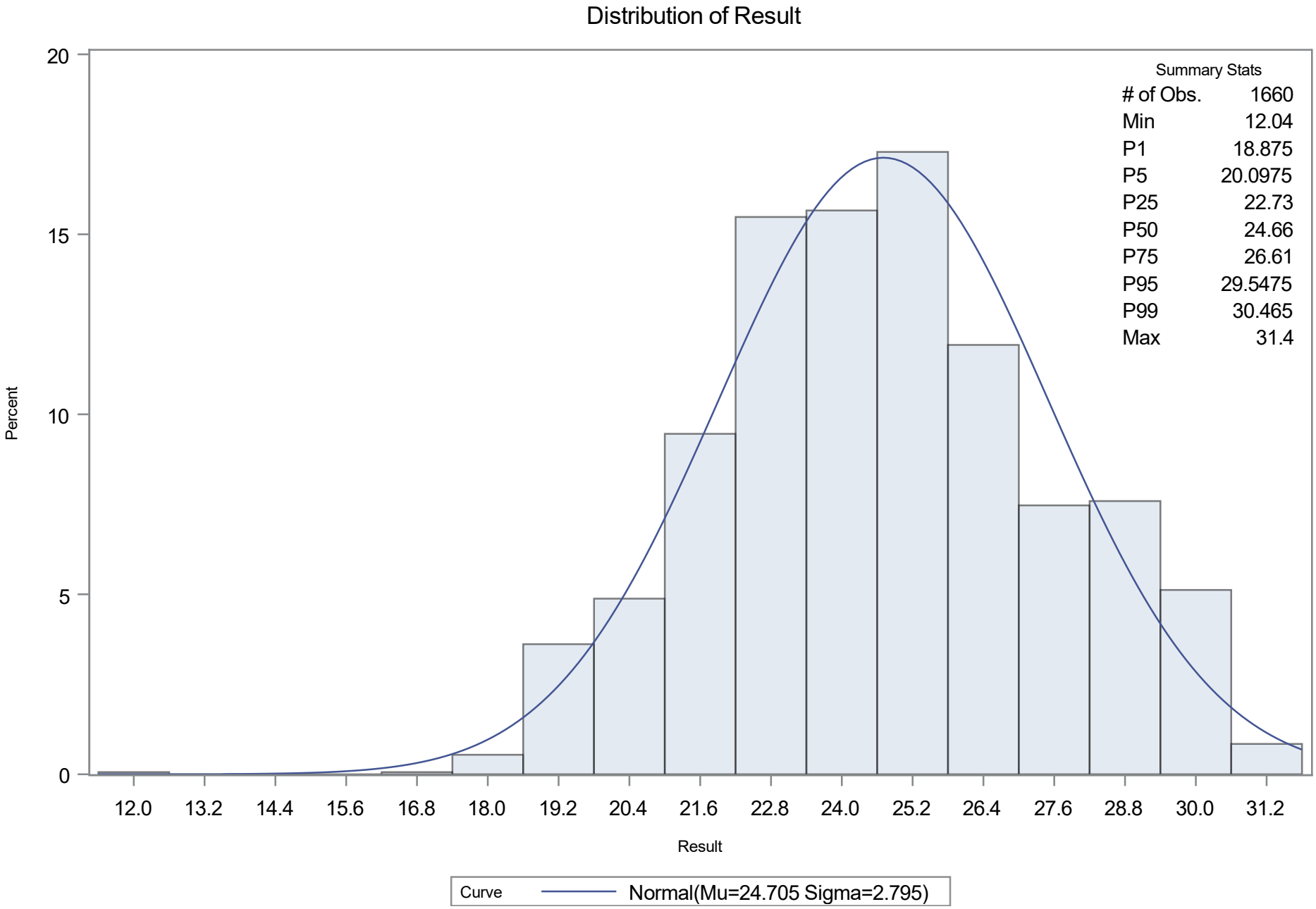


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028
Result
30
25
20
15
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.70506
Std Dev	Sigma	2.795024

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03460299	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.32585648	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.79952707	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.8750	18.2029
5.0	20.0975	20.1077
10.0	21.1250	21.1231
25.0	22.7300	22.8198
50.0	24.6600	24.7051
75.0	26.6100	26.5903
90.0	28.7500	28.2870
95.0	29.5475	29.3025
99.0	30.4650	31.2073

Period of Record: January 1996 through December 2023
Analysis Days Only

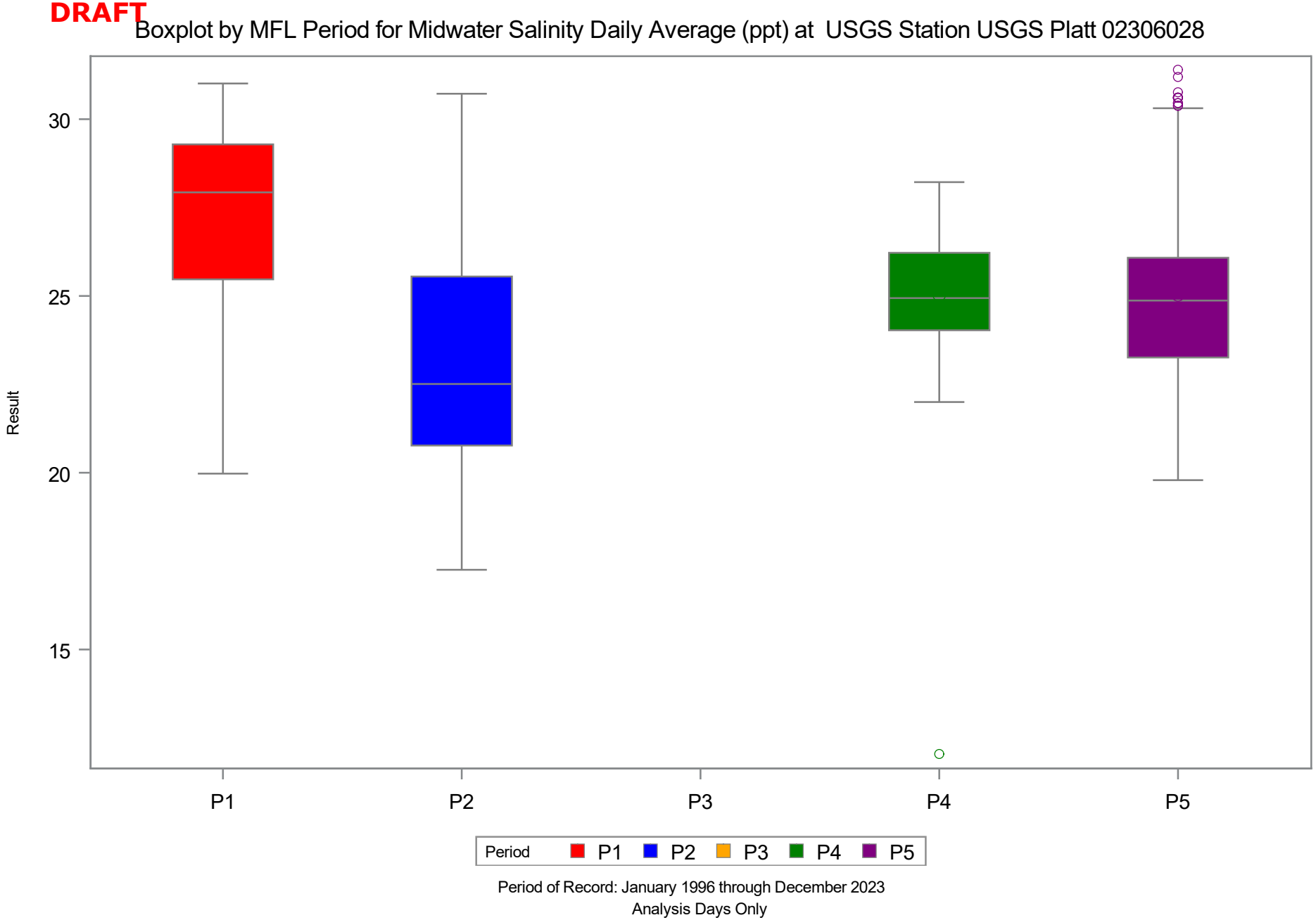
DRAFT

Distributional Statistics by Period for Midwater Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028

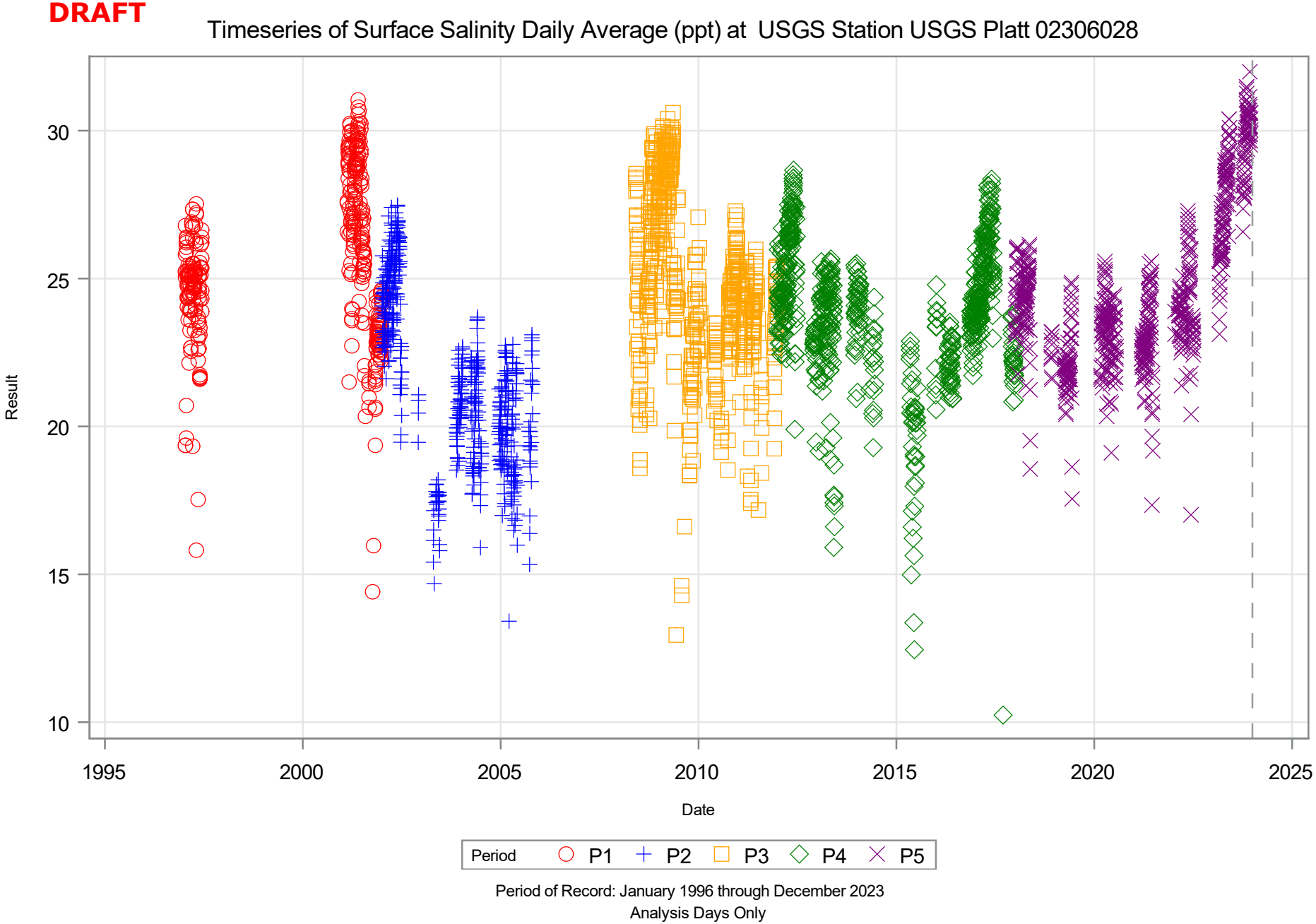
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	212	19.98	25.47	27.33	27.93	29.29	31.01
P2	517	17.26	20.77	23.03	22.51	25.55	30.72
P3	0	0	0	0	0	0	0
P4	244	12.04	24.03	25.03	24.94	26.22	28.22
P5	687	19.79	23.26	25.04	24.87	26.08	31.40

Period of Record: January 1996 through December 2023
Analysis Days Only

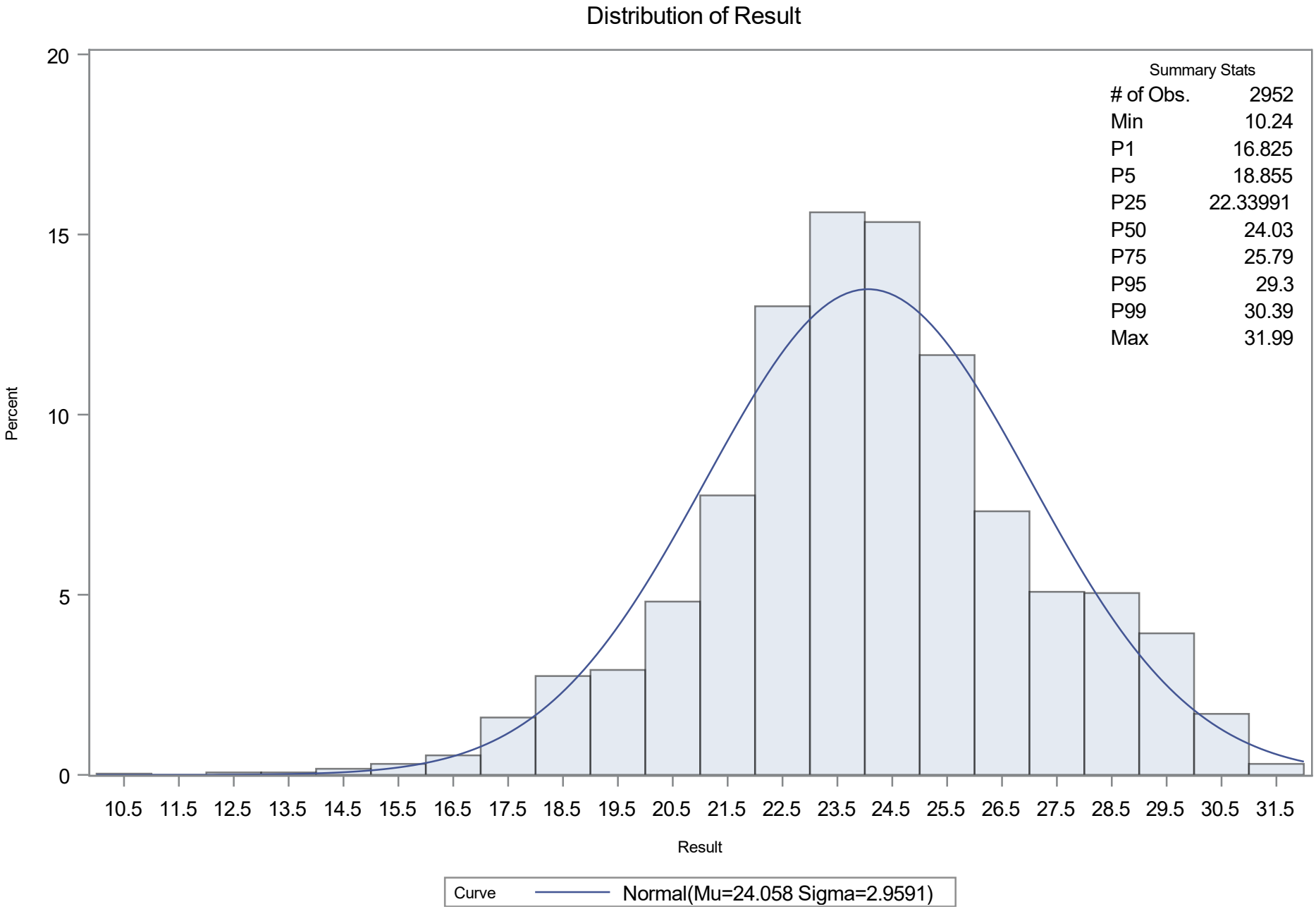
DRAFT


Boxplot by MFL Period for Midwater Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028
Result
30
25
20
15
10
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.05806
Std Dev	Sigma	2.95906

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04063768	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.23263976	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.47610630	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.8250	17.1743
5.0	18.8550	19.1908
10.0	20.4024	20.2659
25.0	22.3399	22.0622
50.0	24.0300	24.0581
75.0	25.7900	26.0539
90.0	28.2200	27.8503
95.0	29.3000	28.9253
99.0	30.3900	30.9419

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	365	14.41	23.59	25.47	25.23	27.36	31.05
P2	525	13.42	19.46	21.55	21.35	23.77	27.48
P3	655	12.95	23.09	24.89	24.62	27.17	30.61
P4	713	10.24	22.71	23.89	24.03	25.30	28.66
P5	694	17.01	22.77	24.60	23.89	25.86	31.99

Period of Record: January 1996 through December 2023
Analysis Days Only

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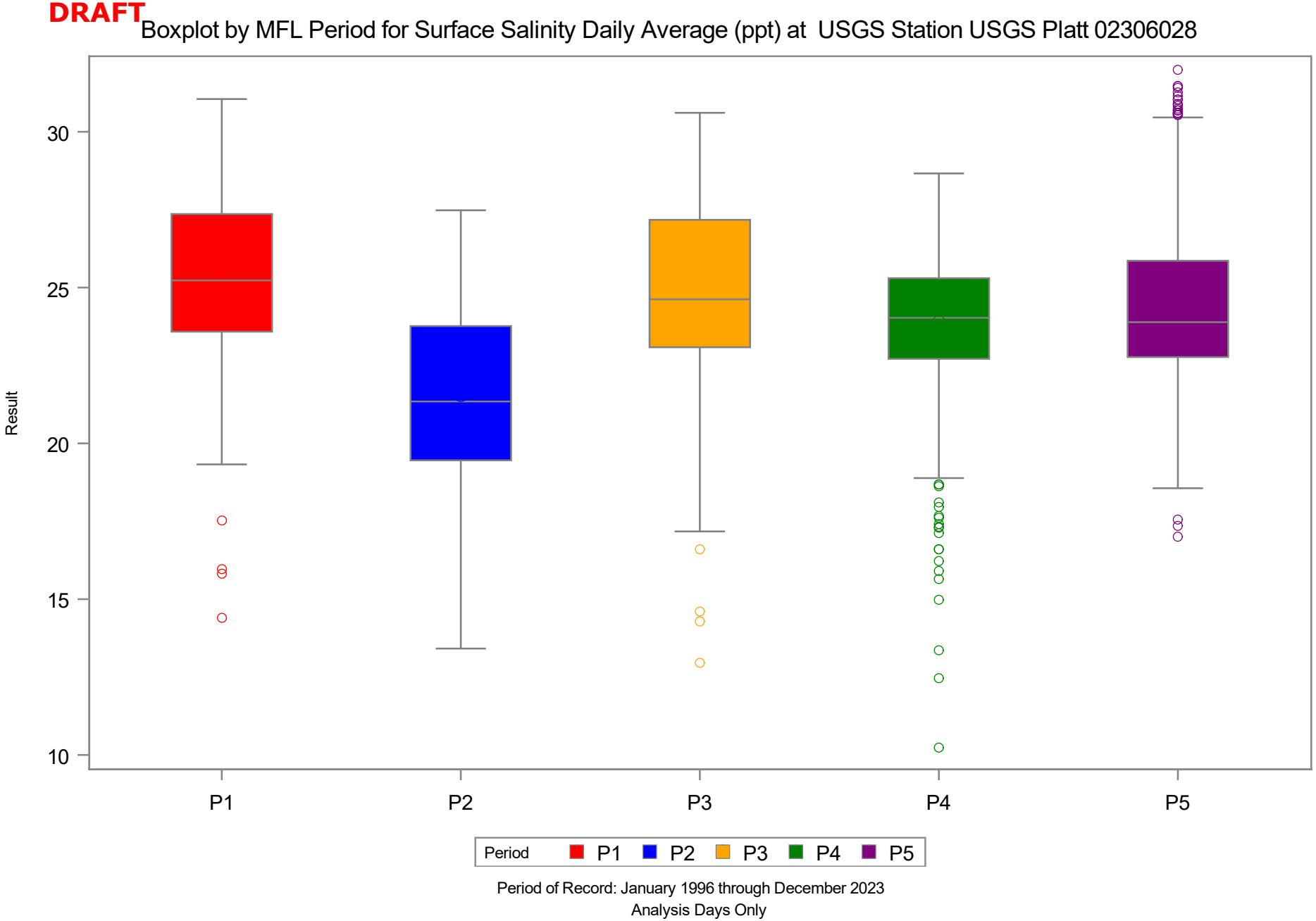
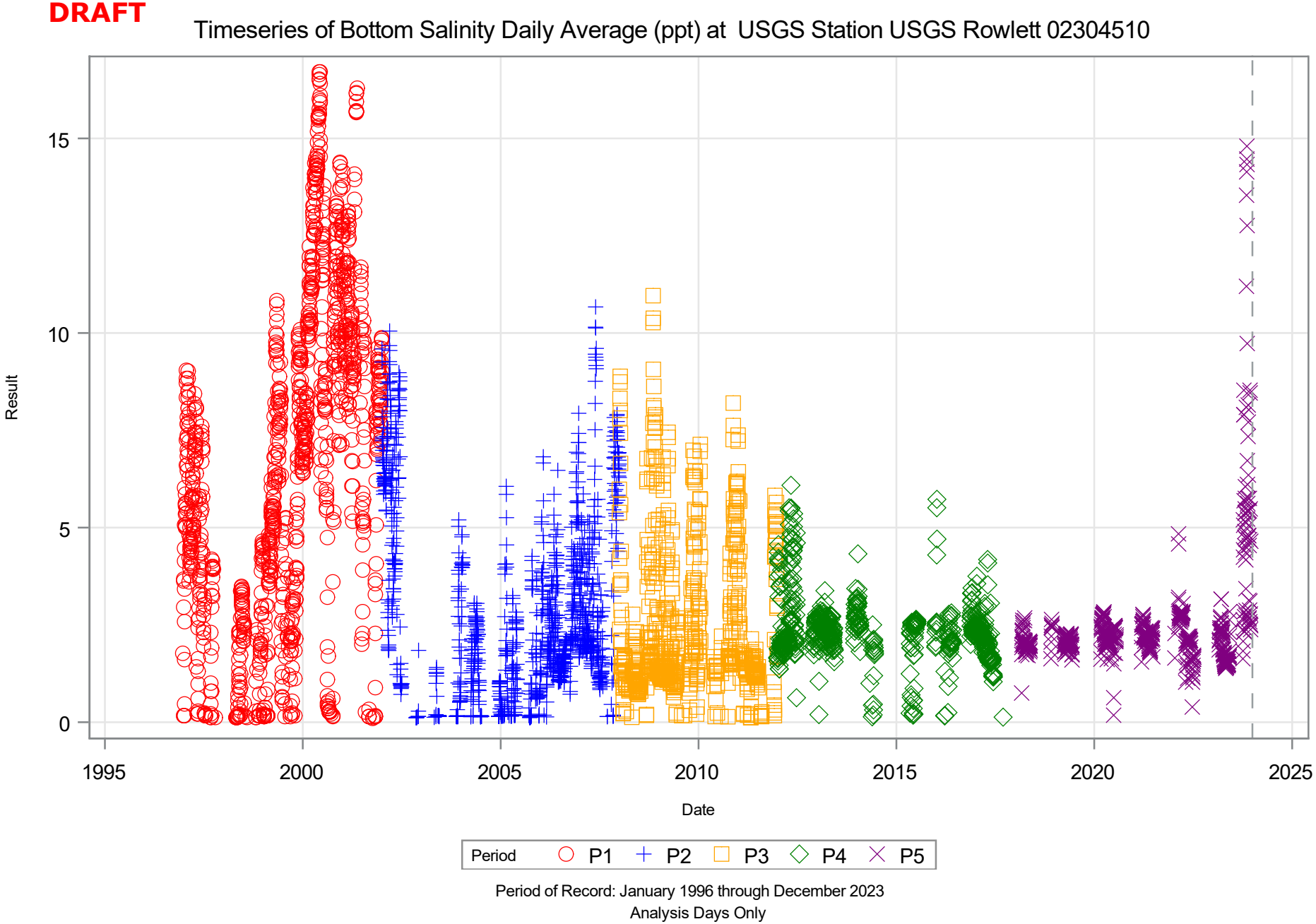
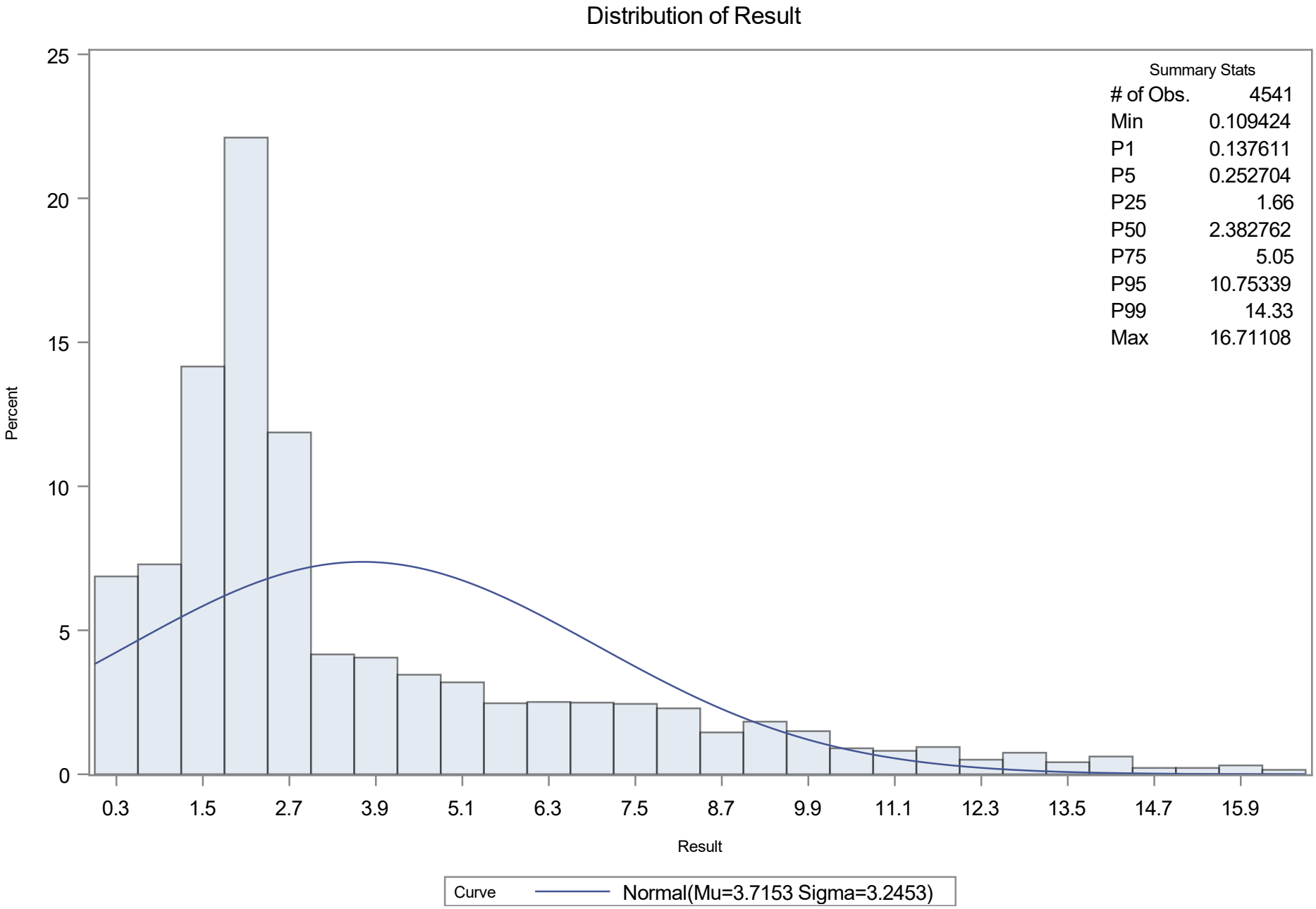

Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Platt 02306028
Result
30
25
20
15
10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510
Result
0
5
10
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.715316
Std Dev	Sigma	3.245271

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.214874	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	54.049766	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	286.150301	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13761	-3.83431
5.0	0.25270	-1.62268
10.0	0.97333	-0.44367
25.0	1.66000	1.52641
50.0	2.38276	3.71532
75.0	5.05000	5.90422
90.0	8.62701	7.87430
95.0	10.75339	9.05331
99.0	14.33000	11.26495

Period of Record: January 1996 through December 2023
Analysis Days Only

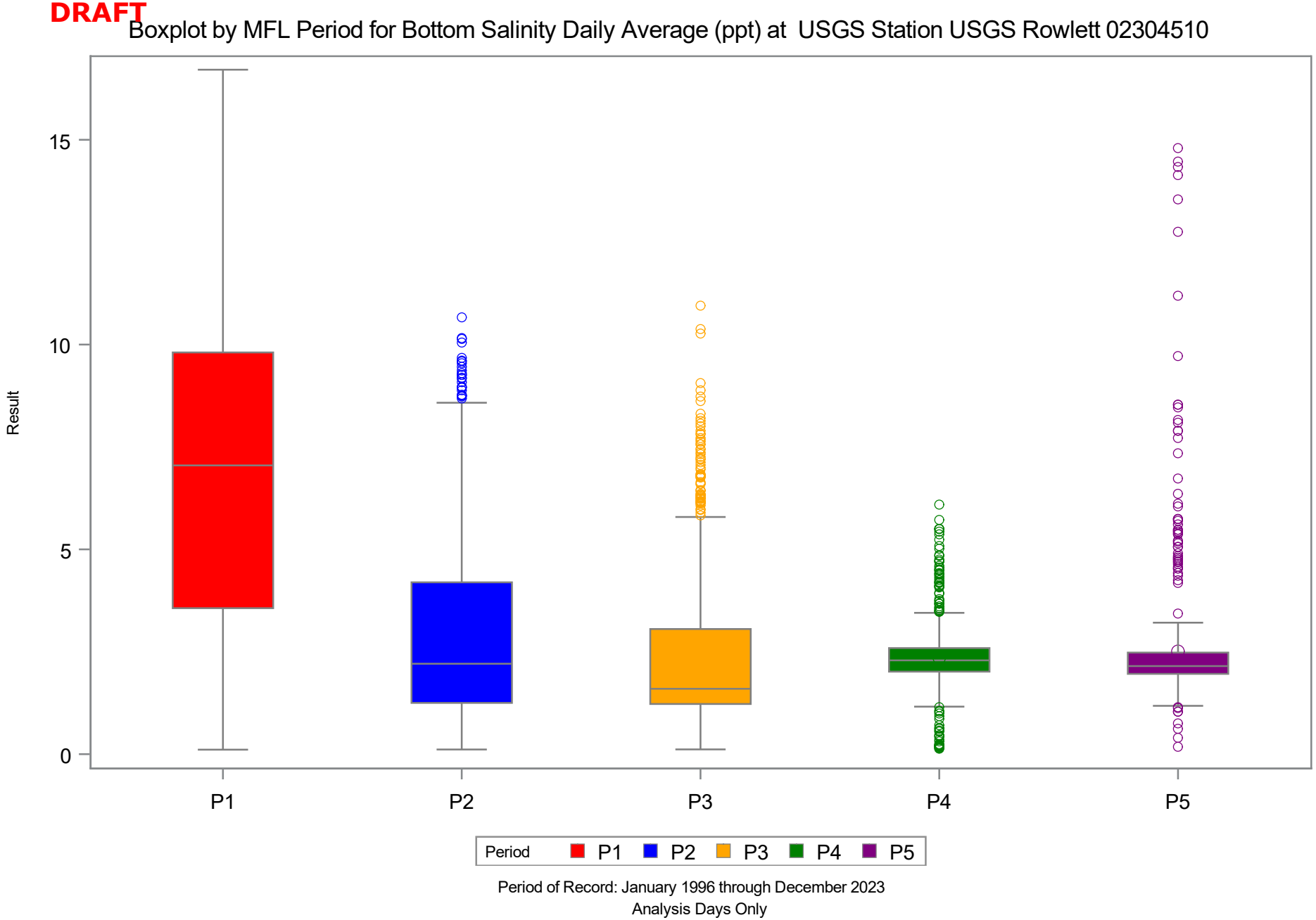
DRAFT

Distributional Statistics by Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510

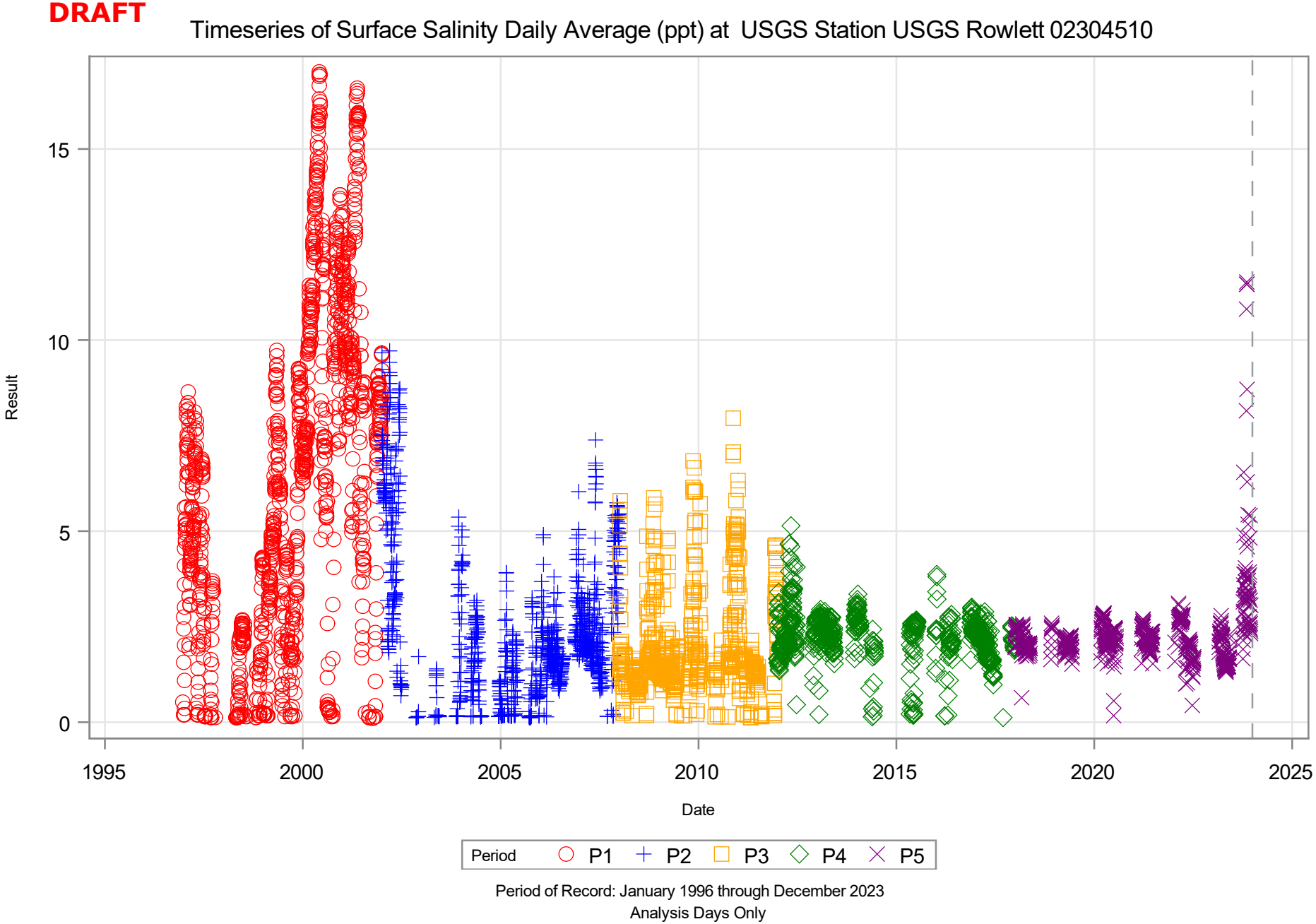
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1185	0.11	3.56	6.86	7.05	9.81	16.71
P2	1118	0.11	1.25	2.98	2.21	4.20	10.67
P3	825	0.12	1.22	2.41	1.60	3.06	10.96
P4	747	0.13	2.01	2.35	2.29	2.59	6.09
P5	666	0.18	1.96	2.51	2.15	2.48	14.80

Period of Record: January 1996 through December 2023
Analysis Days Only

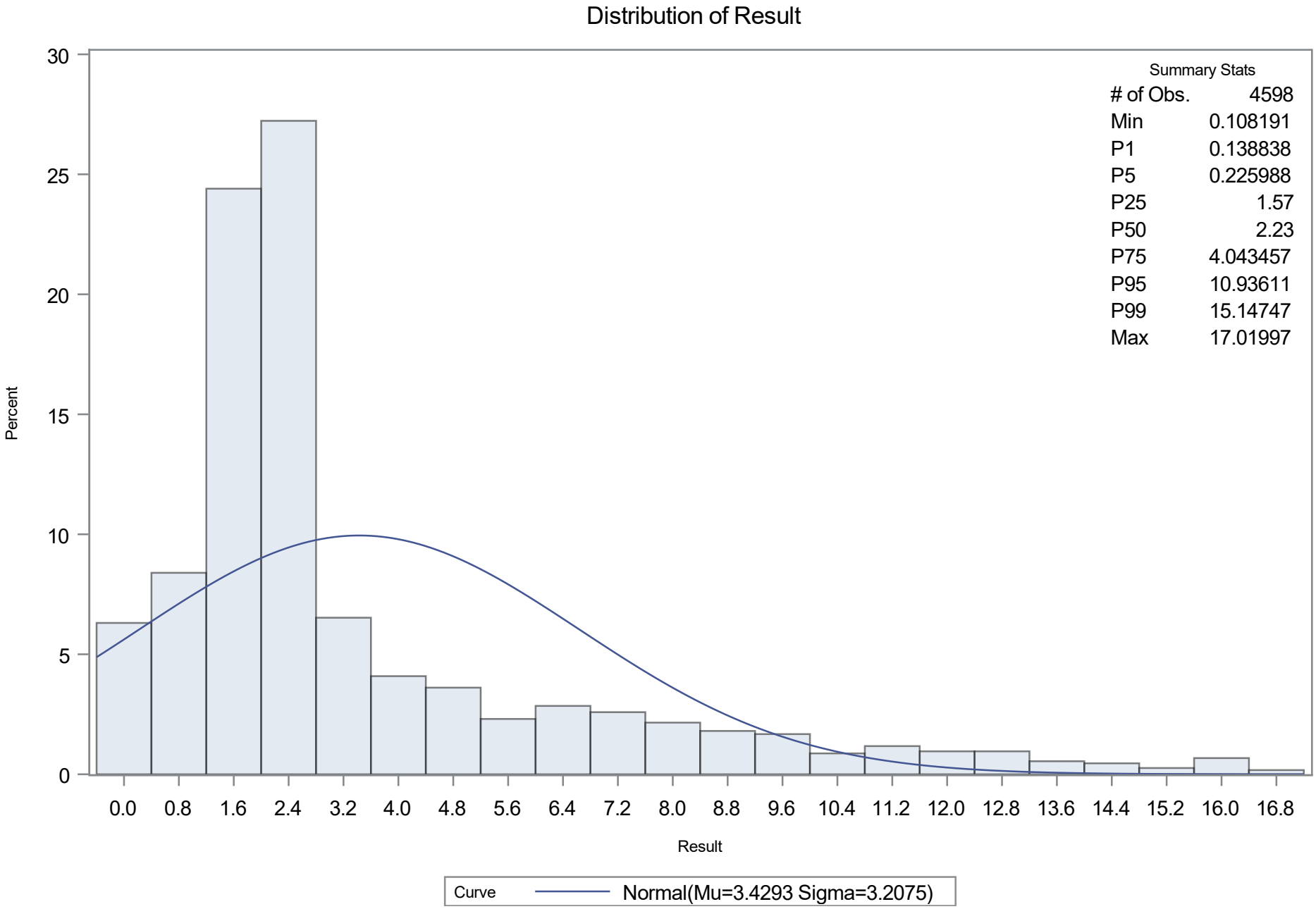
DRAFT


Boxplot by MFL Period for Bottom Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510
Result
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510
Result
0
5
10
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.429303
Std Dev	Sigma	3.207509

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.242577	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	73.105618	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	380.900202	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13884	-4.03248
5.0	0.22599	-1.84658
10.0	0.92590	-0.68129
25.0	1.57000	1.26587
50.0	2.23000	3.42930
75.0	4.04346	5.59273
90.0	8.26525	7.53989
95.0	10.93611	8.70519
99.0	15.14747	10.89109

Period of Record: January 1996 through December 2023
Analysis Days Only

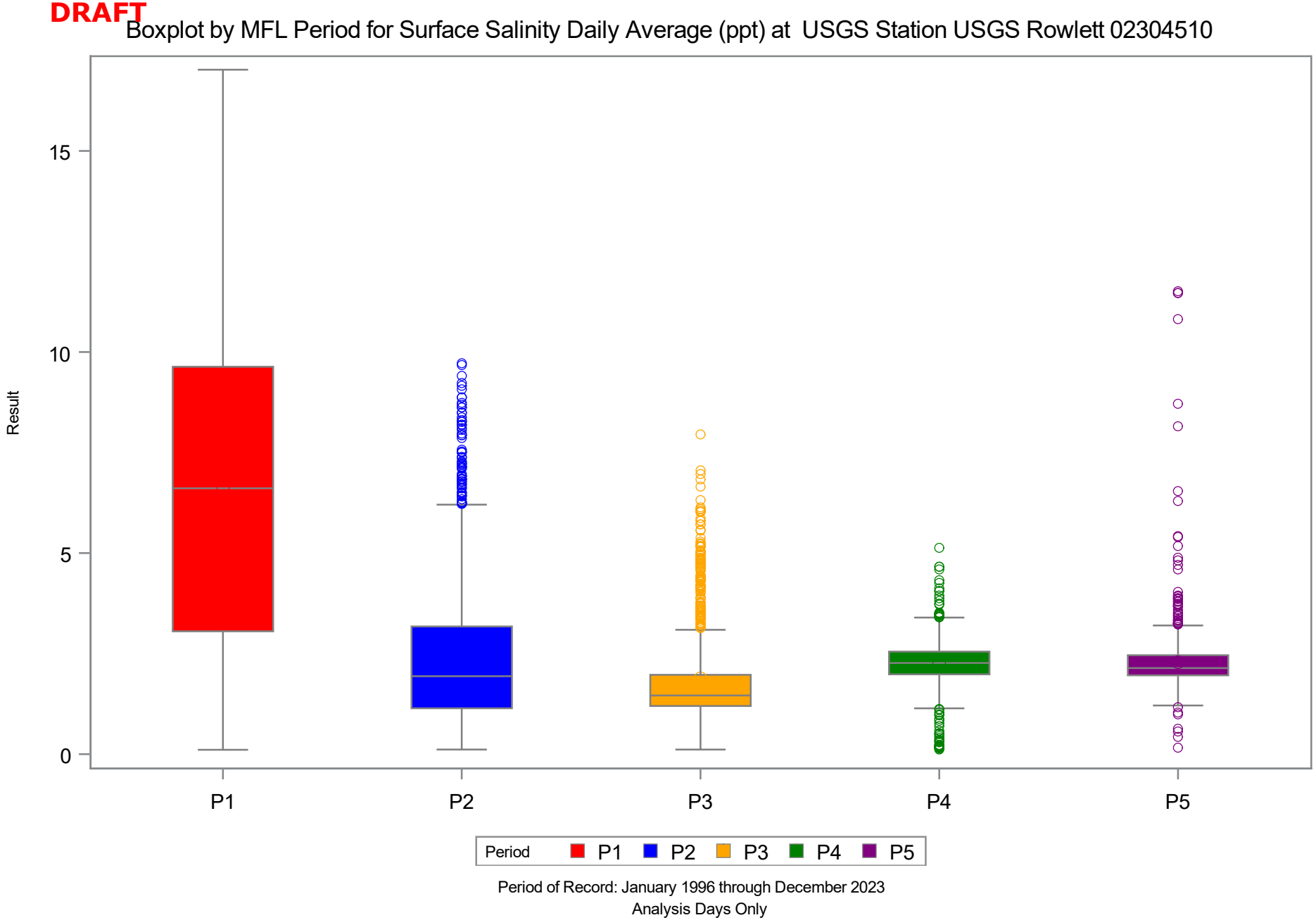
DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510

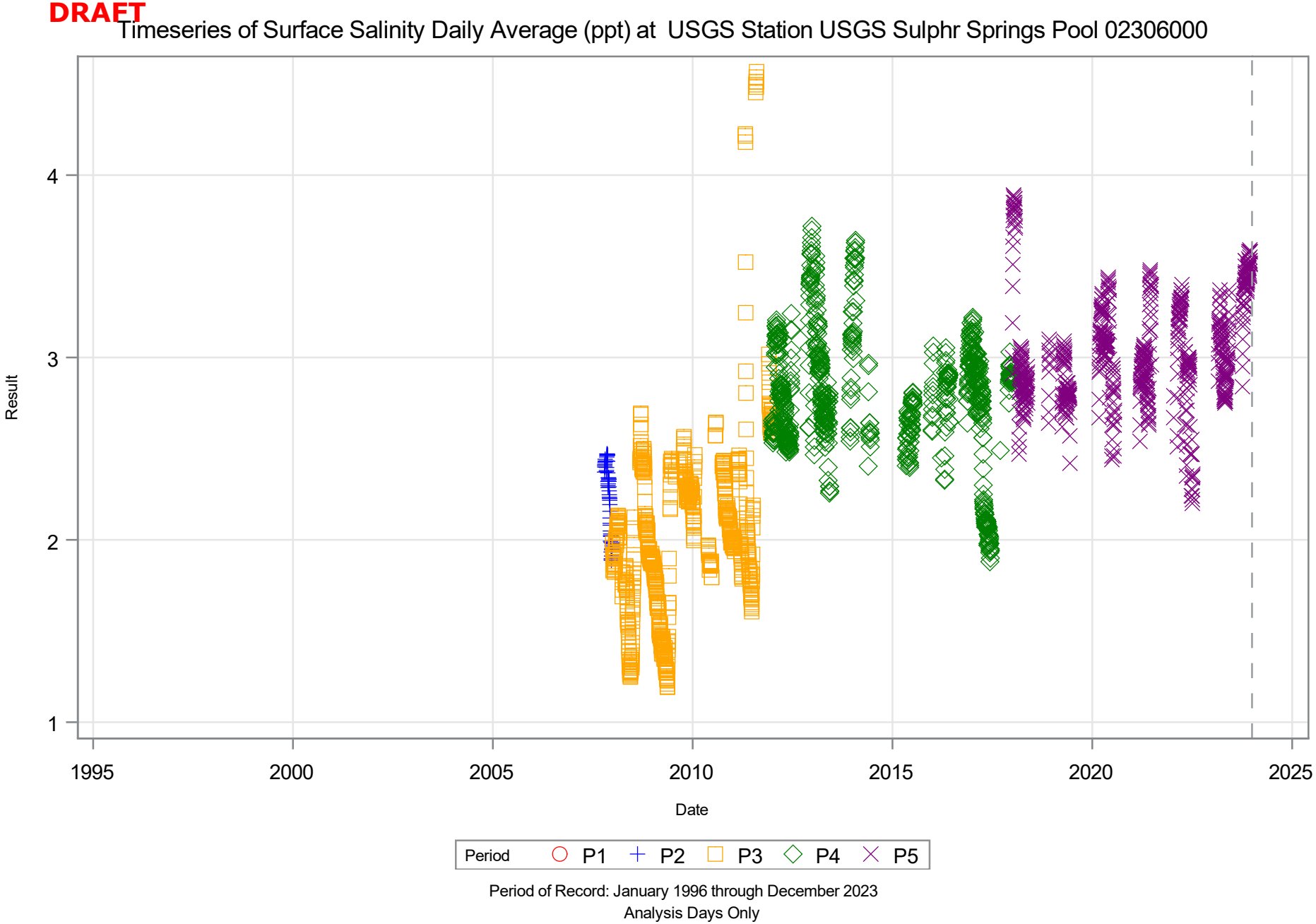
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1242	0.11	3.06	6.65	6.61	9.63	17.02
P2	1054	0.12	1.14	2.46	1.94	3.17	9.72
P3	822	0.11	1.20	1.89	1.46	1.97	7.96
P4	785	0.12	1.98	2.24	2.27	2.55	5.14
P5	695	0.17	1.96	2.30	2.14	2.46	11.52

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

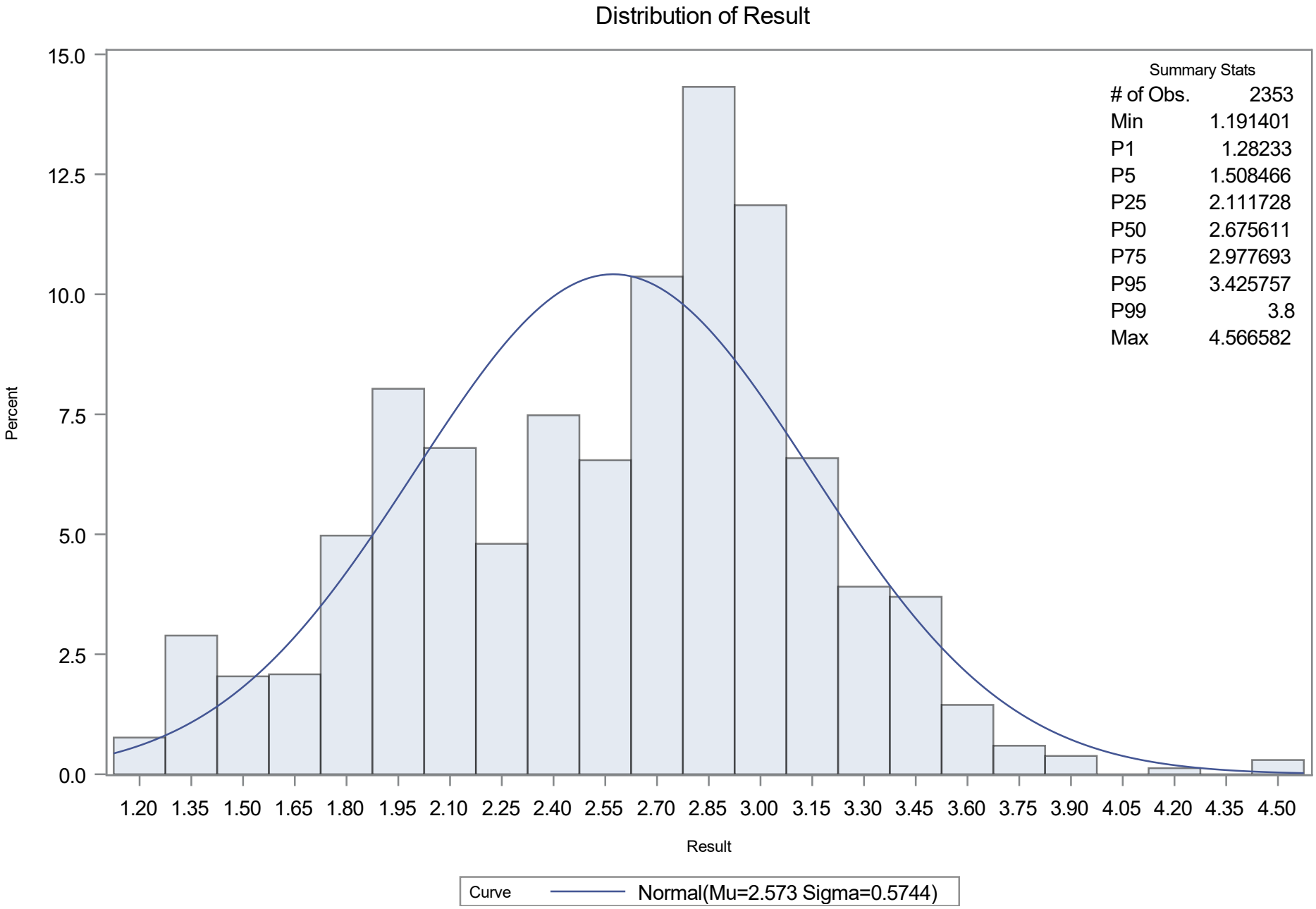

Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Rowlett 02304510
Result
15
10
5
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphr Springs Pool 02306000
Result
4
3
2
1
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphr Springs Pool 02306000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphr Springs Pool 02306000

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.572965
Std Dev	Sigma	0.574397

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0818099	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.3517590	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	17.2873226	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.28233	1.23672
5.0	1.50847	1.62817
10.0	1.80791	1.83684
25.0	2.11173	2.18554
50.0	2.67561	2.57296
75.0	2.97769	2.96039
90.0	3.24000	3.30908
95.0	3.42576	3.51776
99.0	3.80000	3.90921

Period of Record: January 1996 through December 2023
Analysis Days Only

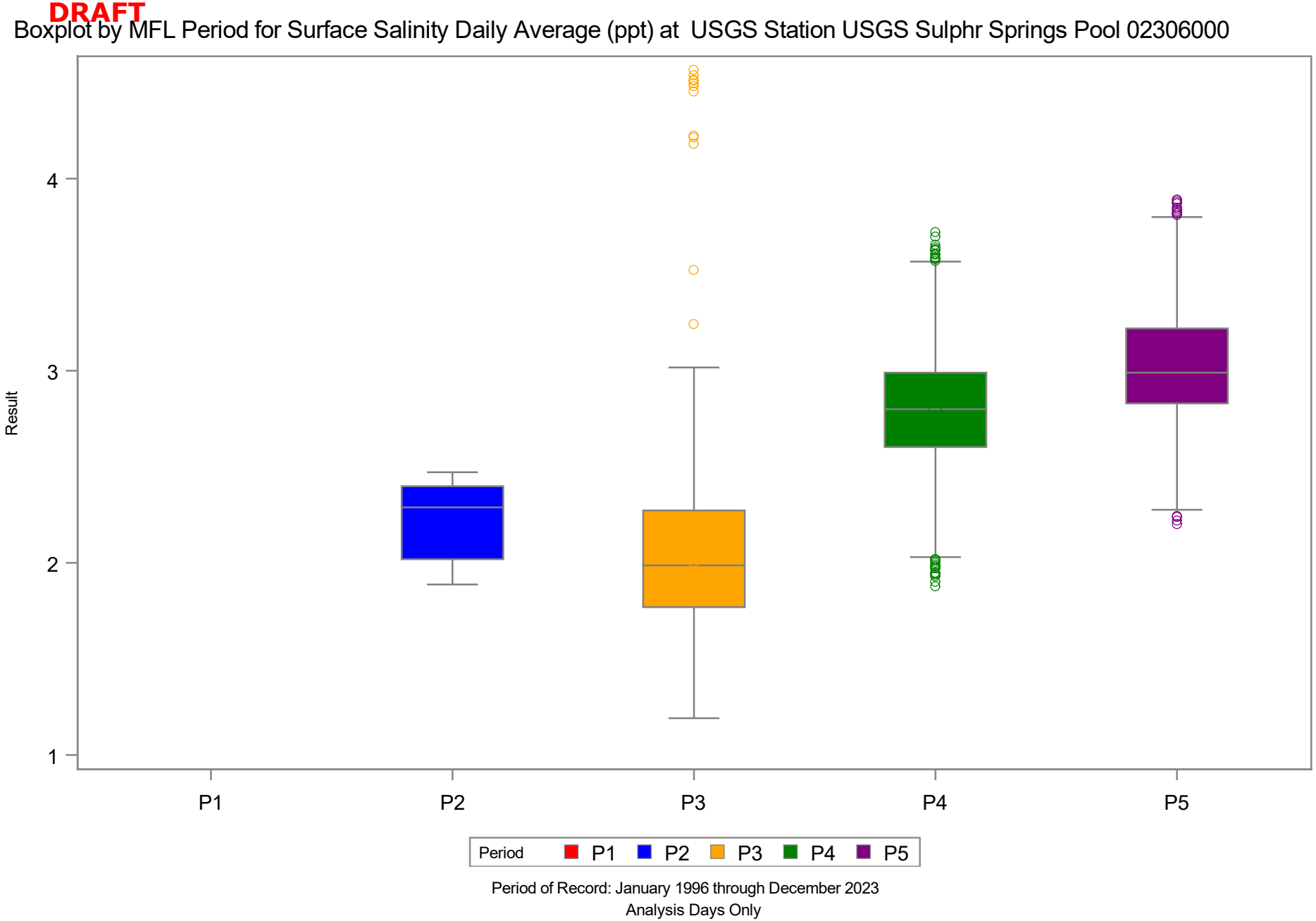
DRAFT

Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphr Springs Pool 02306000

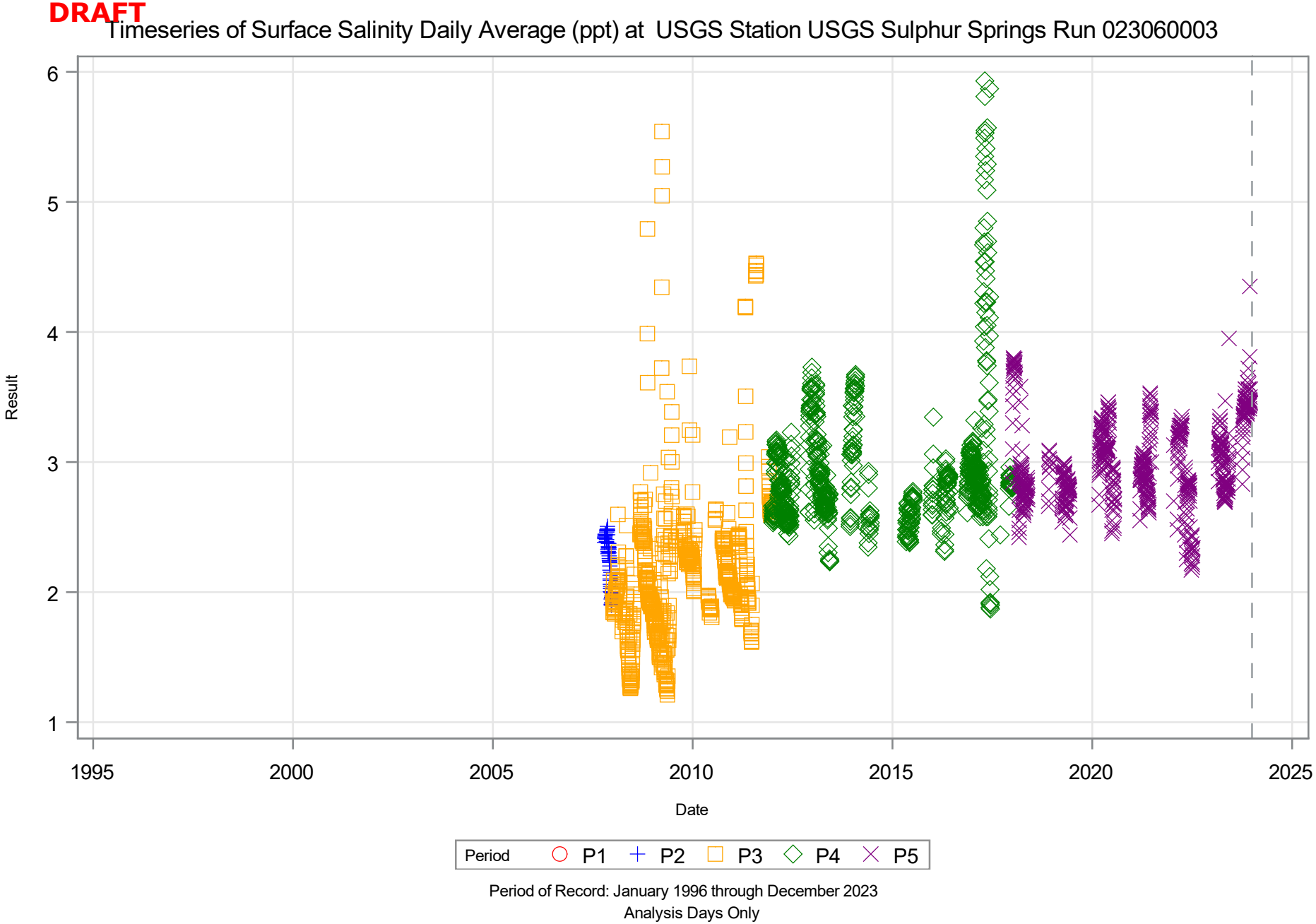
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	66	1.89	2.02	2.22	2.29	2.40	2.47
P3	828	1.19	1.77	2.02	1.99	2.27	4.57
P4	765	1.88	2.60	2.79	2.80	2.99	3.72
P5	694	2.20	2.83	3.03	2.99	3.22	3.89

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

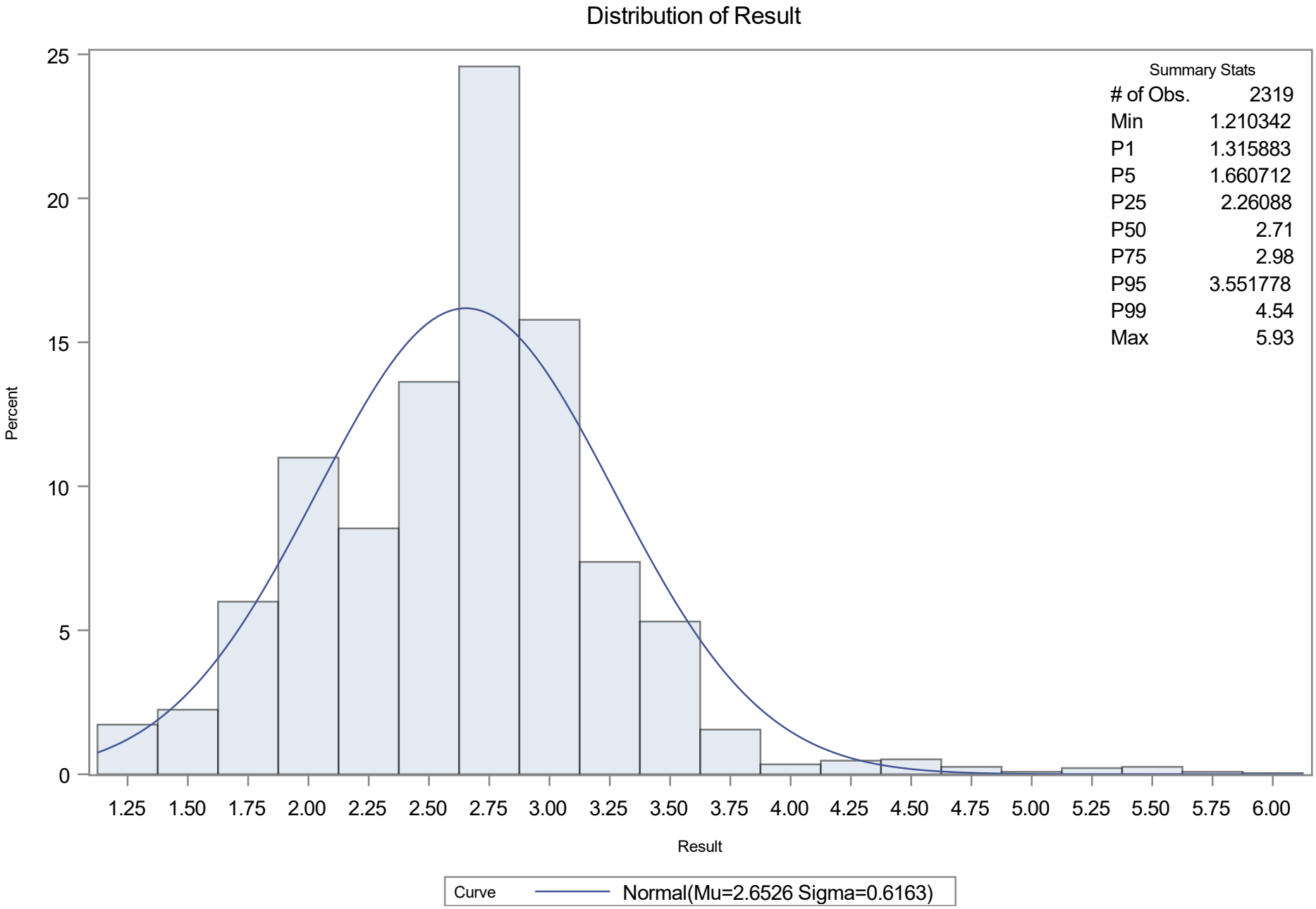

Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphr Springs Pool 02306000
Result
4
3
2
1
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphur Springs Run 023060003
Result
6
5
4
3
2
1
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphur Springs Run 023060003



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphur Springs Run 023060003

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	2.652614
Std Dev	Sigma	0.616297

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0610071	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.5522753	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	15.4327737	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.31588	1.21889
5.0	1.66071	1.63890
10.0	1.87537	1.86280
25.0	2.26088	2.23693
50.0	2.71000	2.65261
75.0	2.98000	3.06830
90.0	3.34932	3.44243
95.0	3.55178	3.66633
99.0	4.54000	4.08633

Period of Record: January 1996 through December 2023
Analysis Days Only

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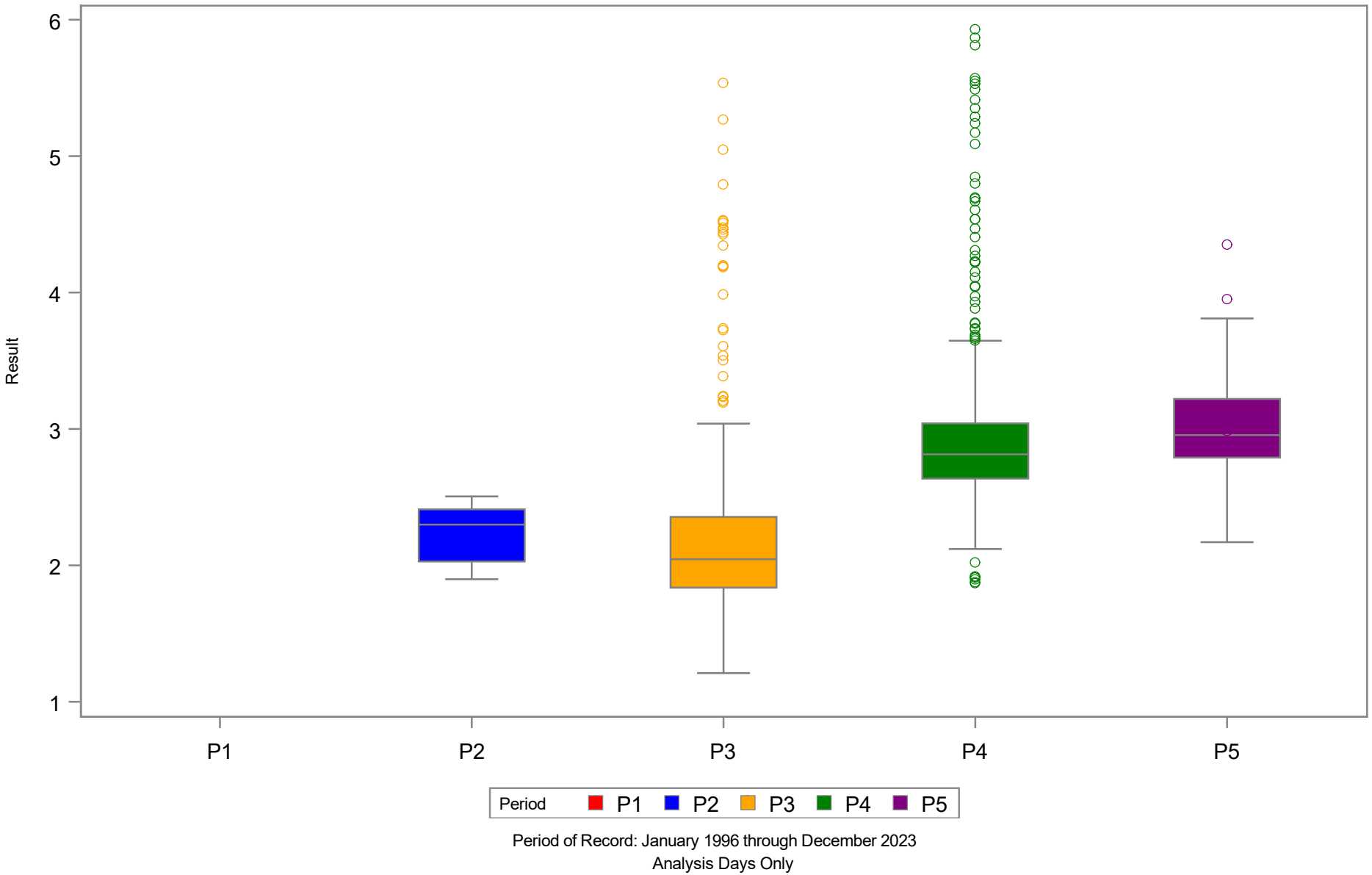
Distributional Statistics by Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphur Springs Run 023060003

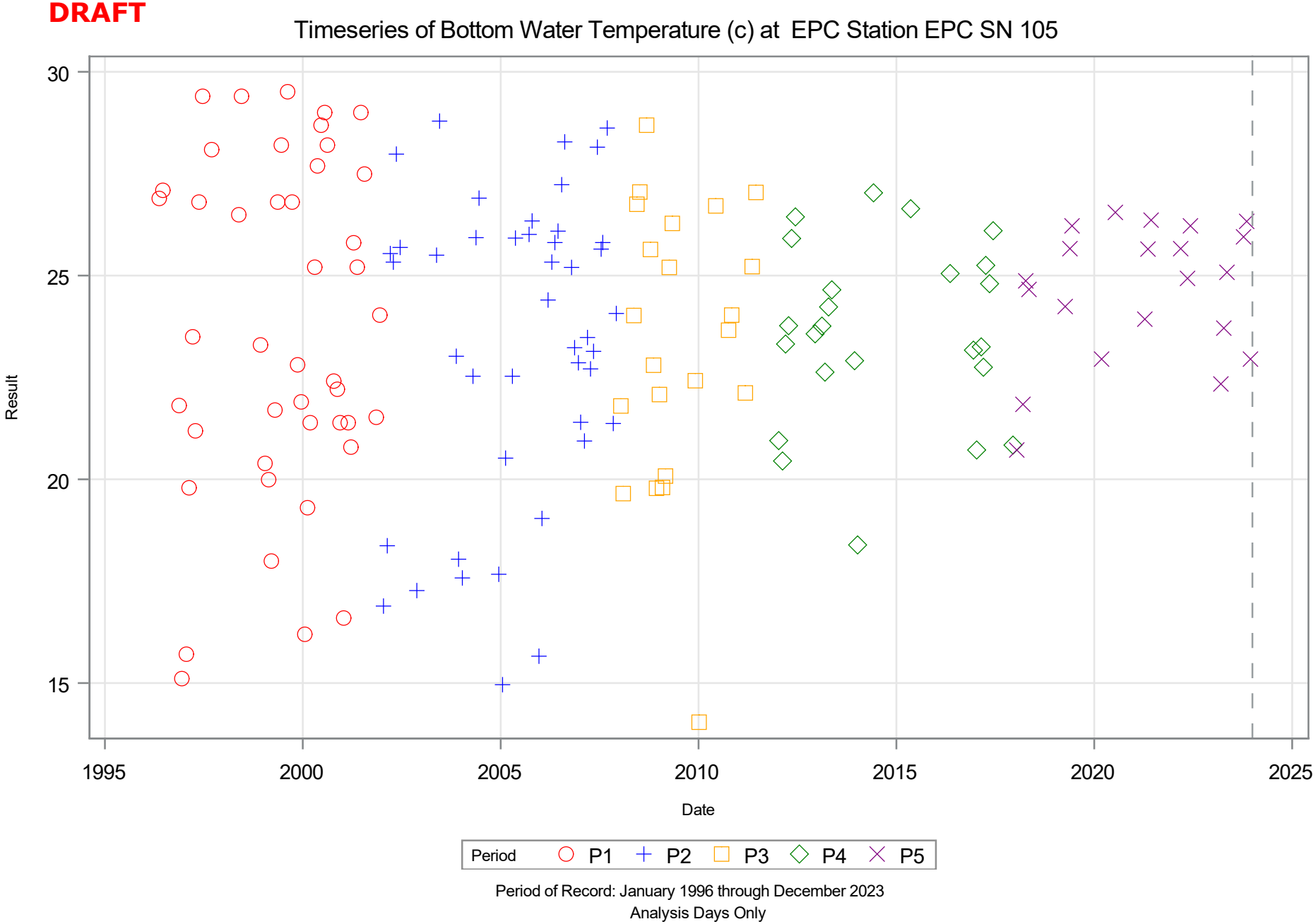
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	66	1.90	2.03	2.24	2.30	2.41	2.51
P3	790	1.21	1.84	2.12	2.04	2.36	5.54
P4	767	1.87	2.64	2.92	2.81	3.04	5.93
P5	696	2.17	2.79	3.00	2.96	3.22	4.35

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Salinity Daily Average (ppt) at USGS Station USGS Sulphur Springs Run 023060003
Result
6
5
4
3
2
1
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 105
Result
30
25
20
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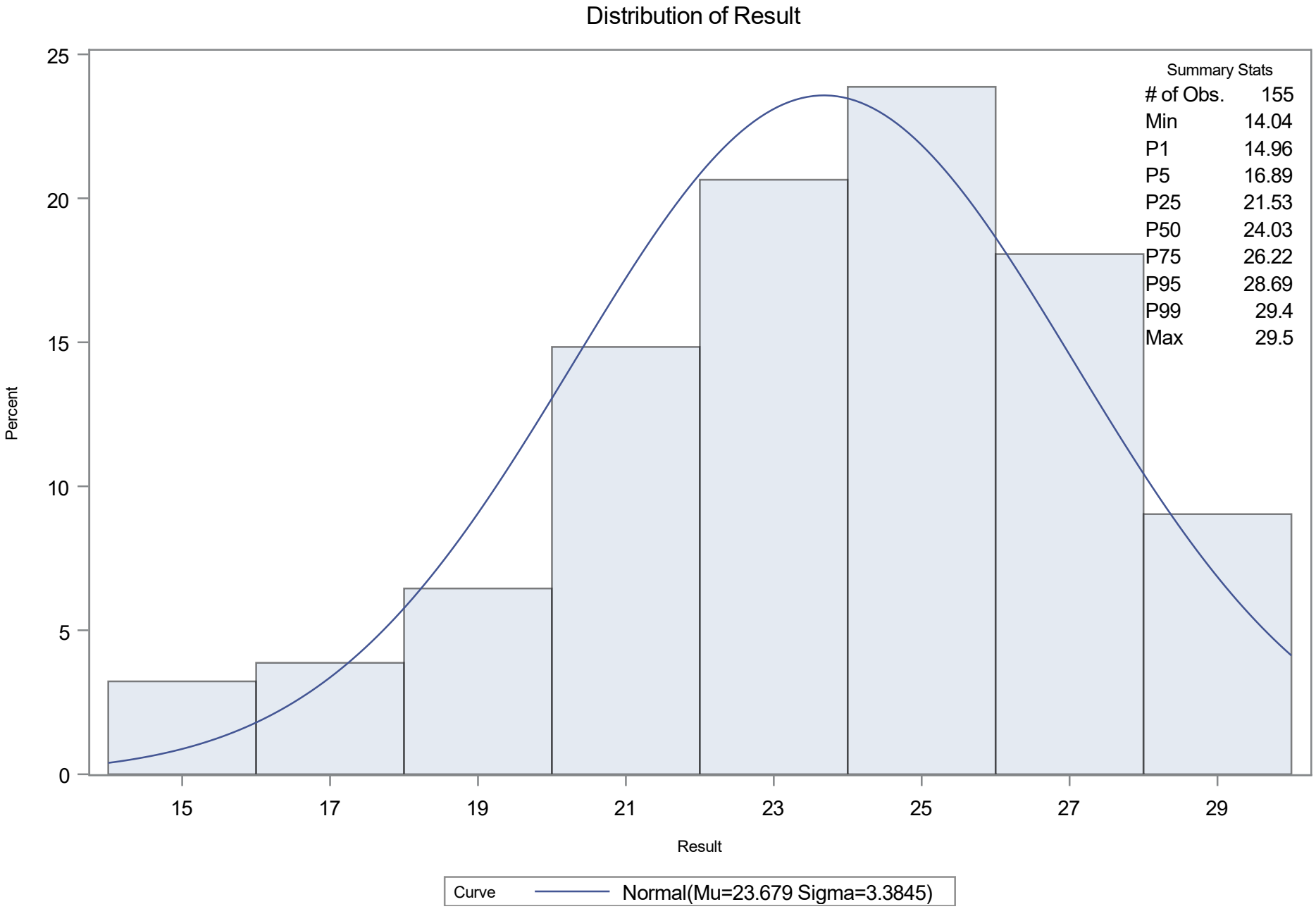
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.67929
Std Dev	Sigma	3.384509

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09275249	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.20868326	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.37955372	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.9600	15.8057
5.0	16.8900	18.1123
10.0	19.0400	19.3419
25.0	21.5300	21.3965
50.0	24.0300	23.6793
75.0	26.2200	25.9621
90.0	27.7000	28.0167
95.0	28.6900	29.2463
99.0	29.4000	31.5528

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 105

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	15.10	21.30	23.73	23.40	27.30	29.50
P2	44	14.96	21.16	23.36	24.24	25.93	28.79
P3	22	14.04	21.80	23.40	23.84	26.28	28.69
P4	24	18.39	22.69	23.61	23.67	25.15	27.03
P5	21	20.72	23.71	24.61	24.93	25.95	26.55

Period of Record: January 1996 through December 2023
Analysis Days Only

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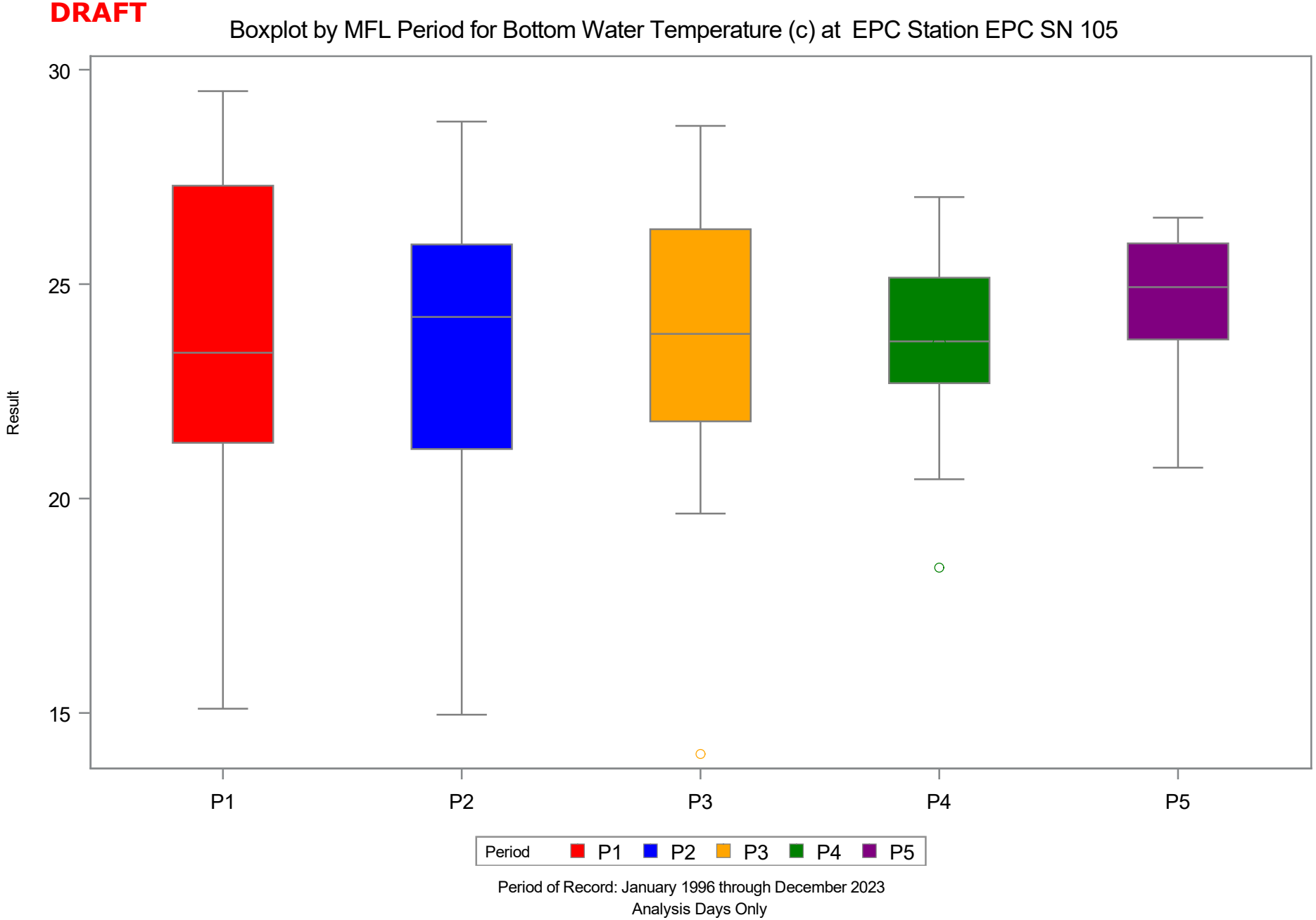
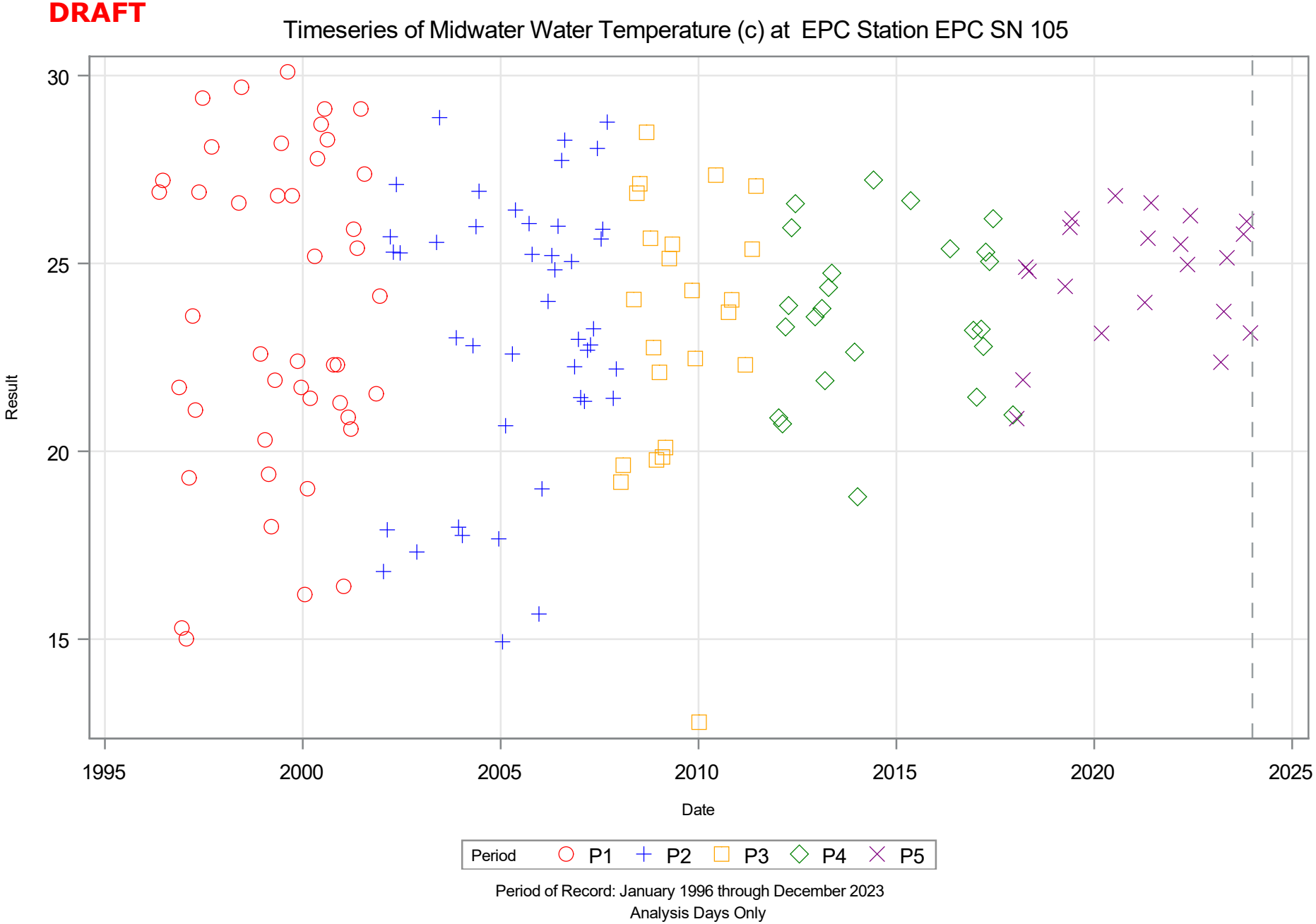

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 105
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 105
Result
30
25
20
15
1995
2000
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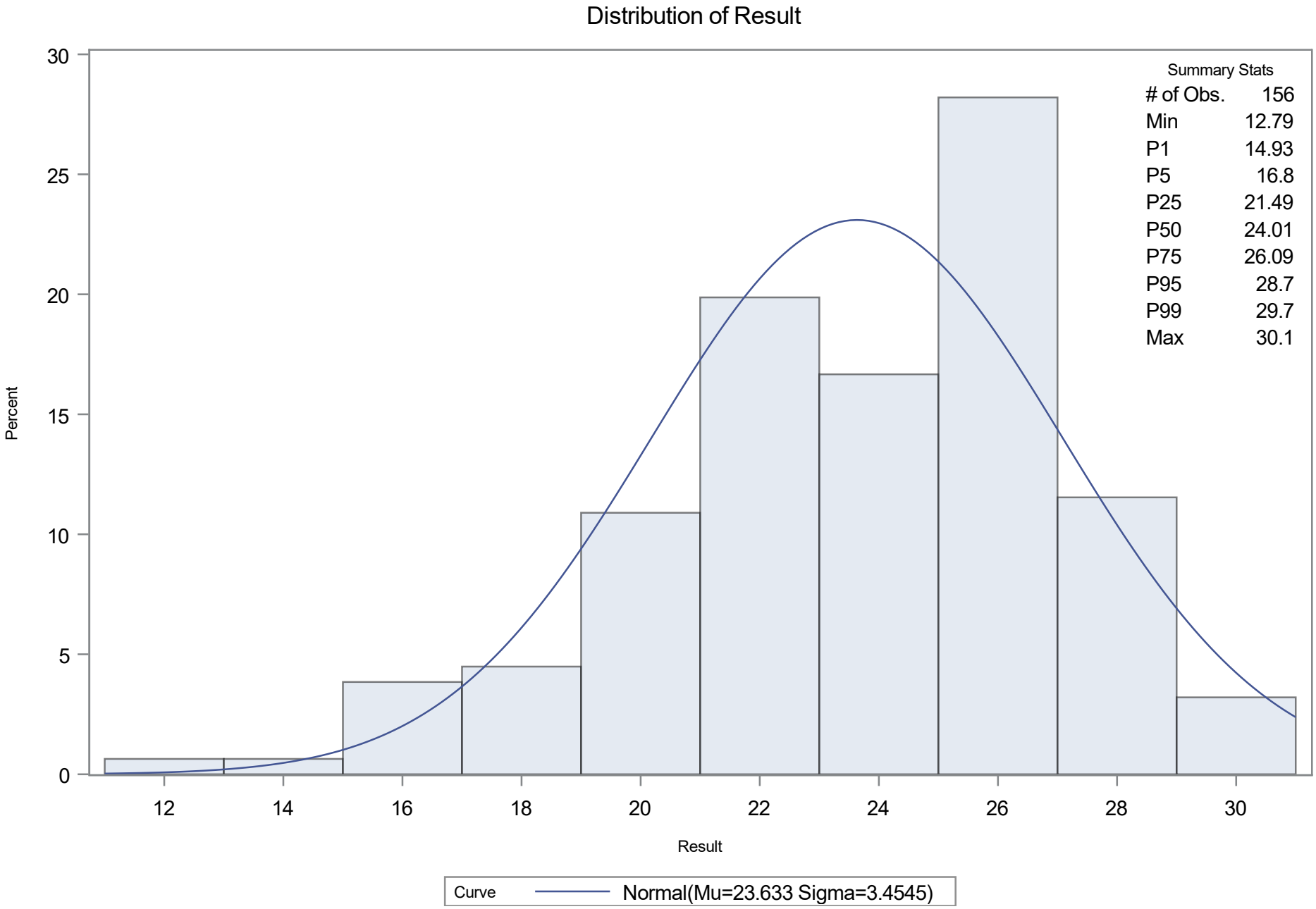
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.6334
Std Dev	Sigma	3.454481

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08861236	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.19477585	**Pr > W-Sq**	0.006
Anderson-Darling	**A-Sq**	1.25624049	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.9300	15.5971
5.0	16.8000	17.9513
10.0	19.0000	19.2063
25.0	21.4900	21.3034
50.0	24.0100	23.6334
75.0	26.0900	25.9634
90.0	27.7400	28.0605
95.0	28.7000	29.3155
99.0	29.7000	31.6697

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 105

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	15.00	21.00	23.68	23.10	27.30	30.10
P2	44	14.93	21.37	23.24	23.63	25.95	28.88
P3	23	12.79	20.10	23.29	24.03	25.67	28.49
P4	24	18.79	22.26	23.69	23.69	25.35	27.22
P5	21	20.87	23.72	24.68	24.97	25.96	26.80

Period of Record: January 1996 through December 2023
Analysis Days Only

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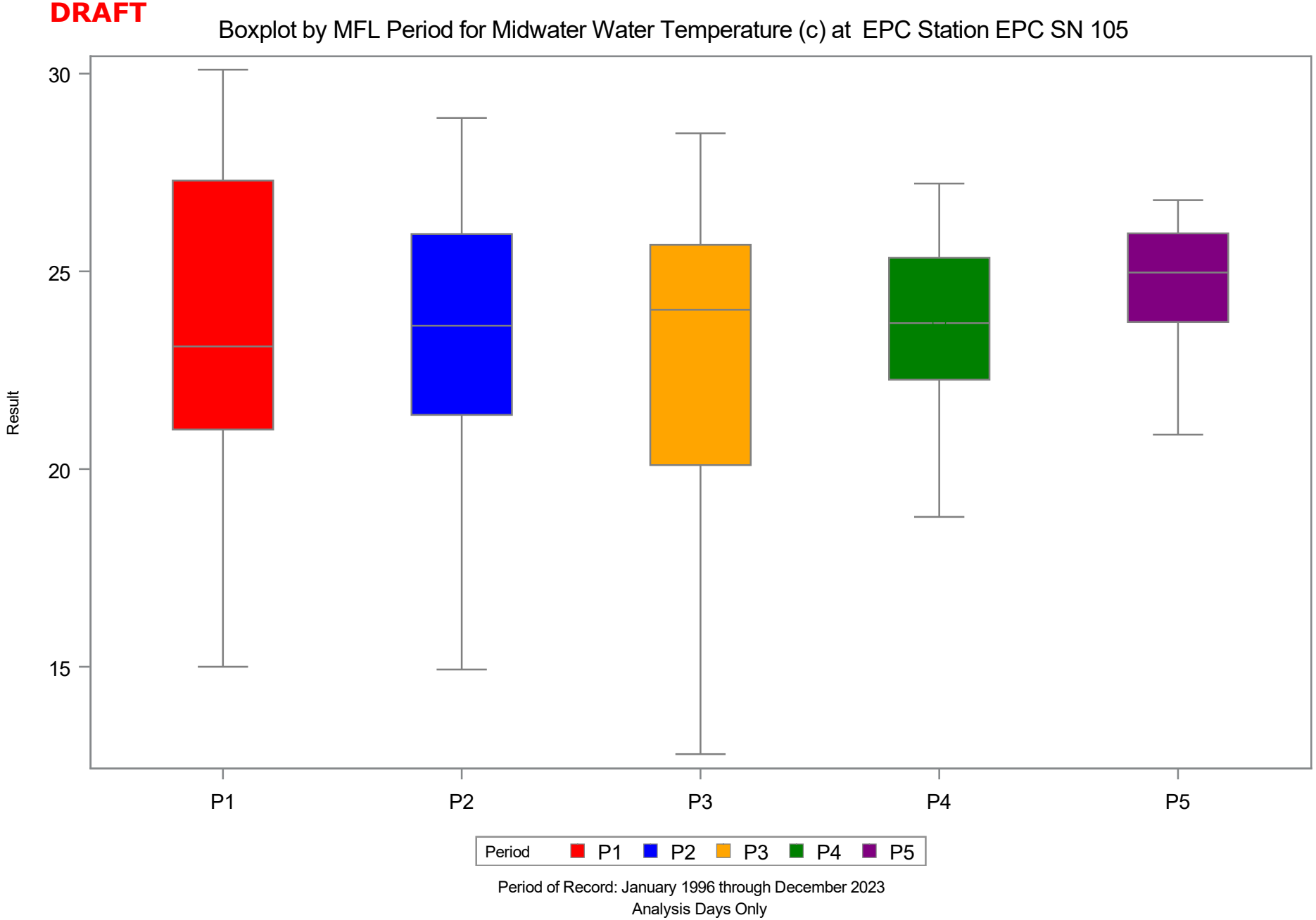
Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 105
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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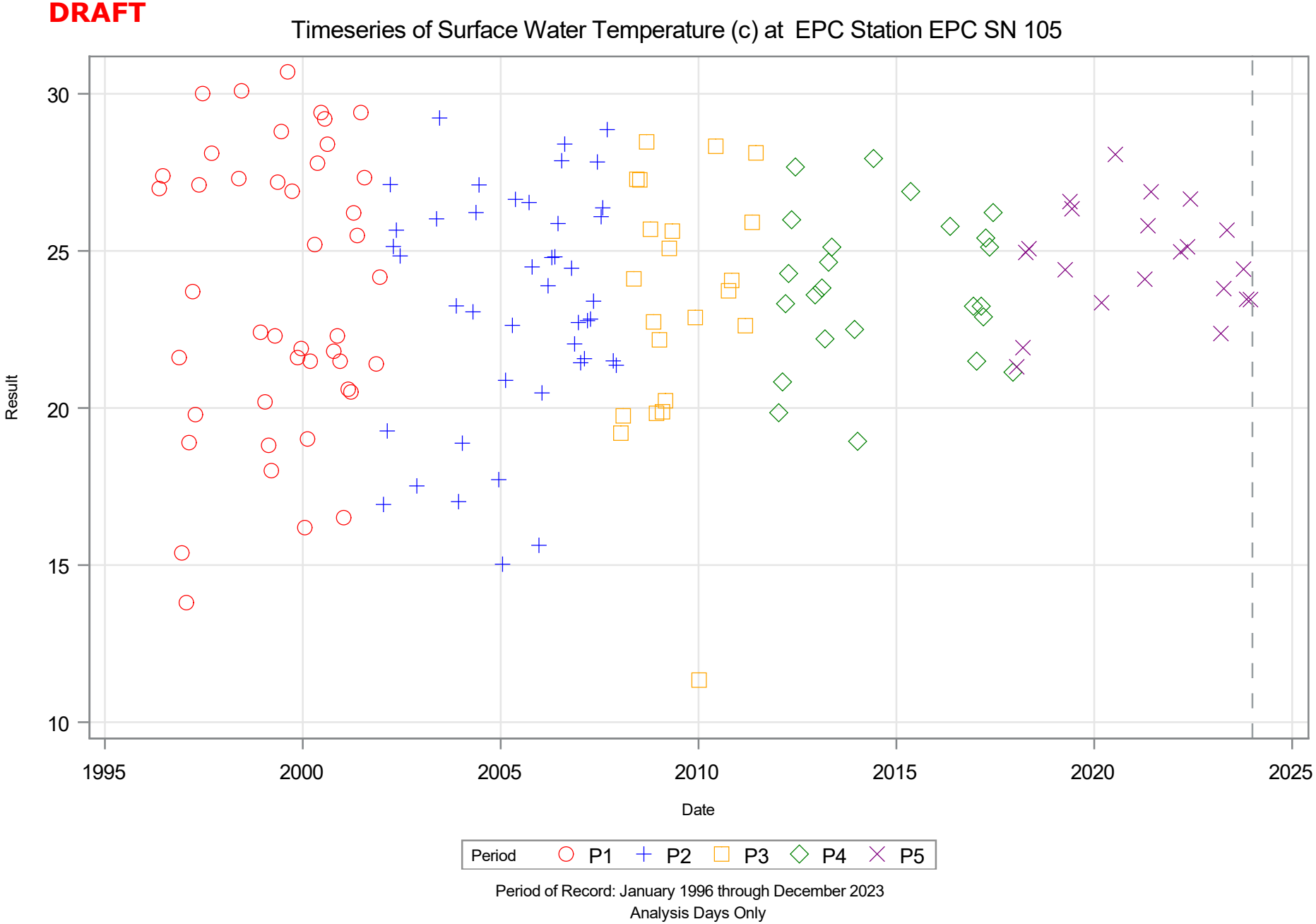
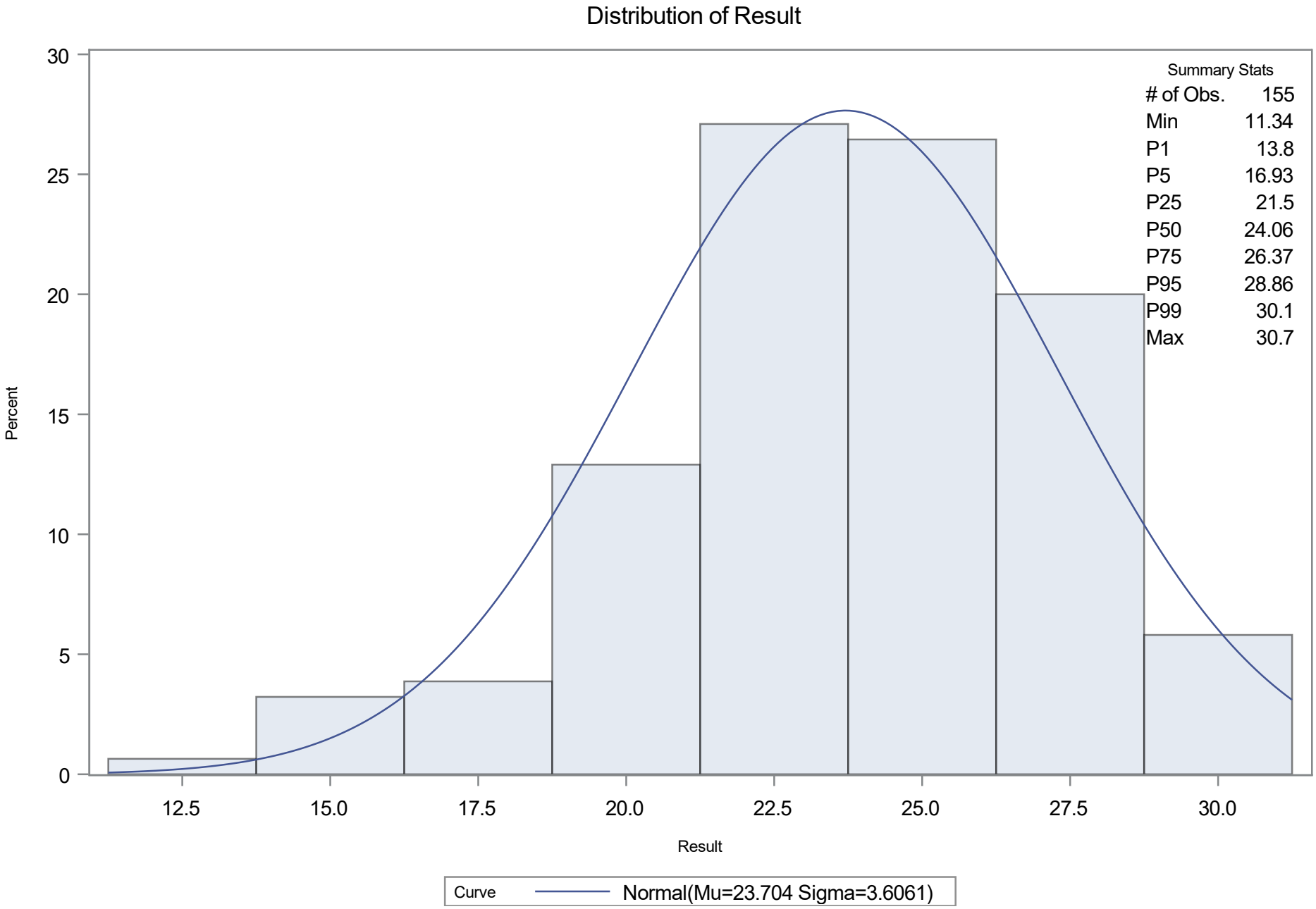

Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 105
Result
30
25
20
15
10
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.70426
Std Dev	Sigma	3.606148

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05703325	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.11016606	**Pr > W-Sq**	0.085
Anderson-Darling	**A-Sq**	0.79567506	**Pr > A-Sq**	0.040

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.8000	15.3151
5.0	16.9300	17.7727
10.0	18.9400	19.0828
25.0	21.5000	21.2719
50.0	24.0600	23.7043
75.0	26.3700	26.1366
90.0	28.0700	28.3257
95.0	28.8600	29.6358
99.0	30.1000	32.0934

Period of Record: January 1996 through December 2023
Analysis Days Only

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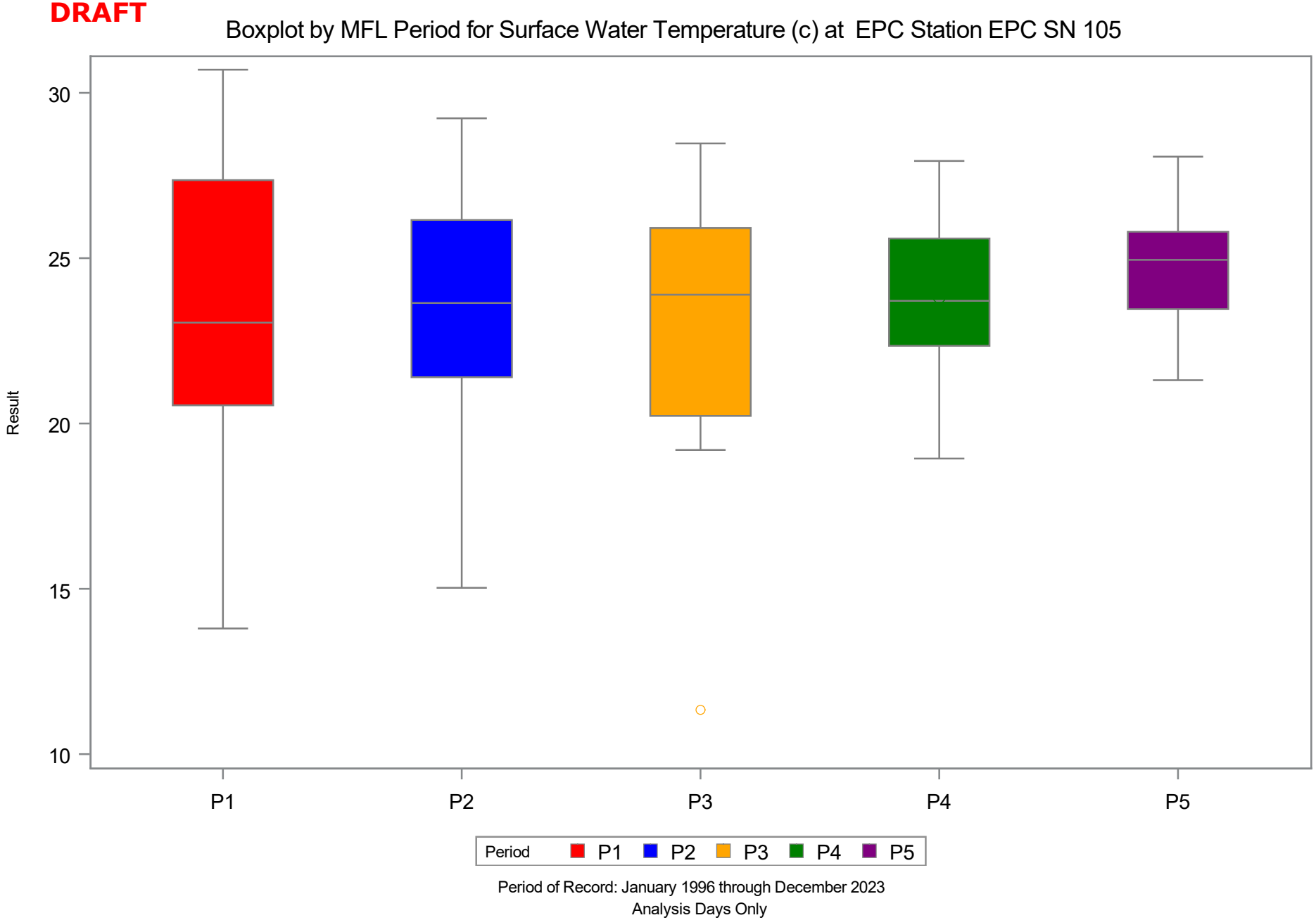
Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 105

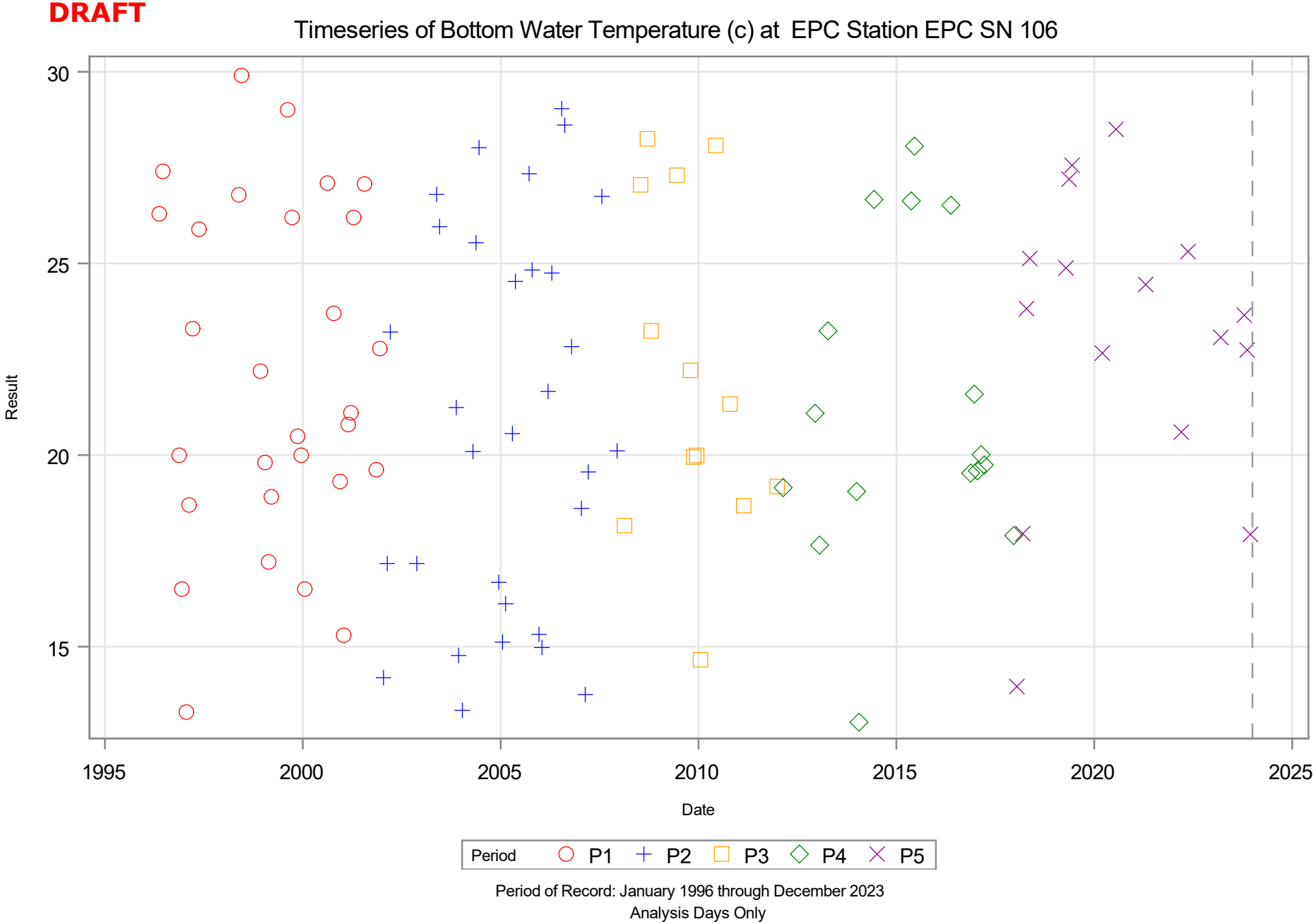
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	13.80	20.55	23.70	23.05	27.36	30.70
P2	44	15.03	21.40	23.32	23.65	26.16	29.23
P3	22	11.34	20.23	23.38	23.90	25.91	28.47
P4	24	18.94	22.35	23.84	23.71	25.60	27.94
P5	21	21.31	23.46	24.70	24.95	25.80	28.07

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

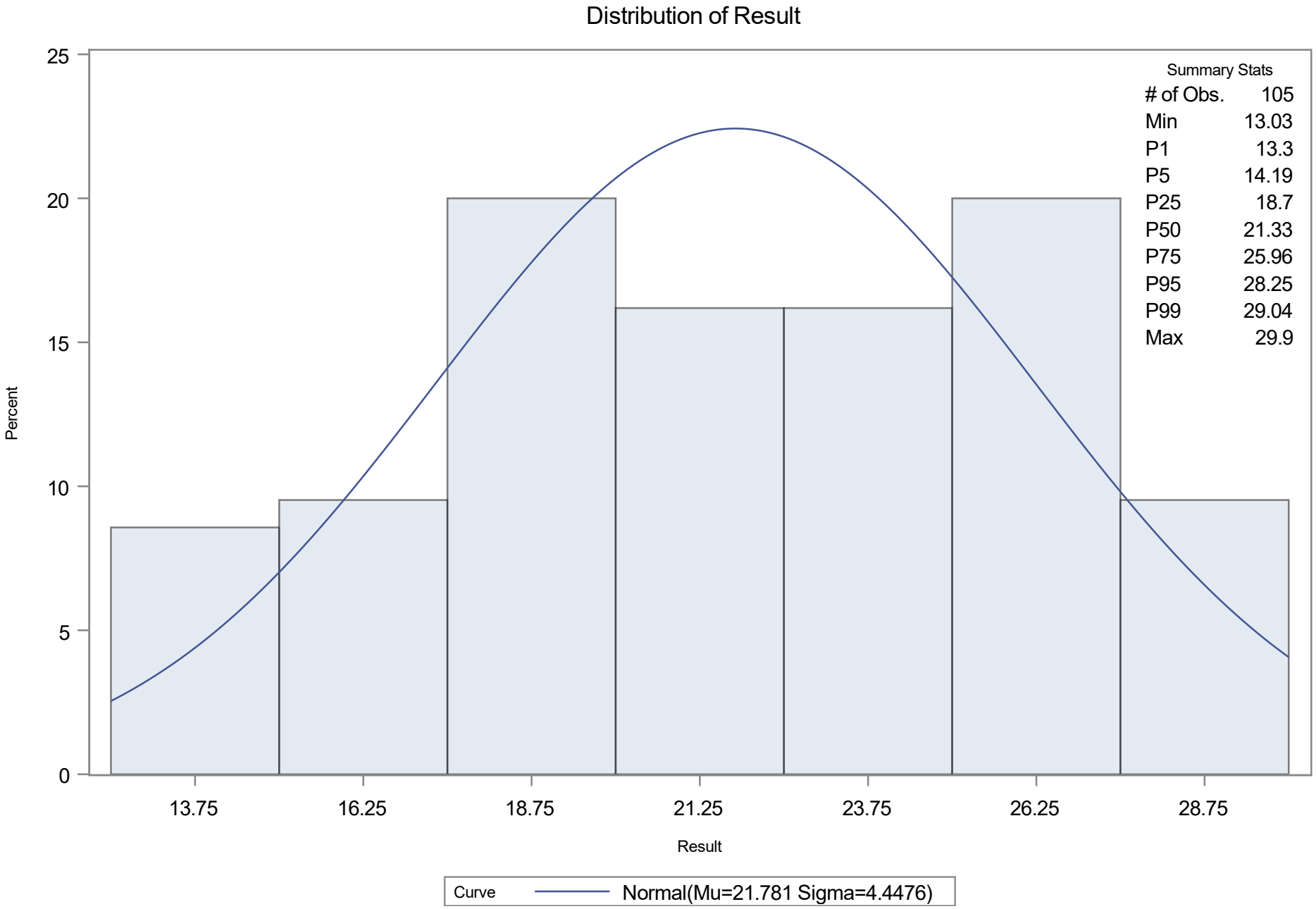

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 105
Result
30
25
20
15
10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 106
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.78057
Std Dev	Sigma	4.447643

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08949689	**Pr > D**	0.038
Cramer-von Mises	**W-Sq**	0.14613930	**Pr > W-Sq**	0.026
Anderson-Darling	**A-Sq**	1.00396051	**Pr > A-Sq**	0.012

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.3000	11.4338
5.0	14.1900	14.4648
10.0	15.3000	16.0807
25.0	18.7000	18.7807
50.0	21.3300	21.7806
75.0	25.9600	24.7805
90.0	27.4000	27.4805
95.0	28.2500	29.0963
99.0	29.0400	32.1273

Period of Record: January 1996 through December 2023
Analysis Days Only

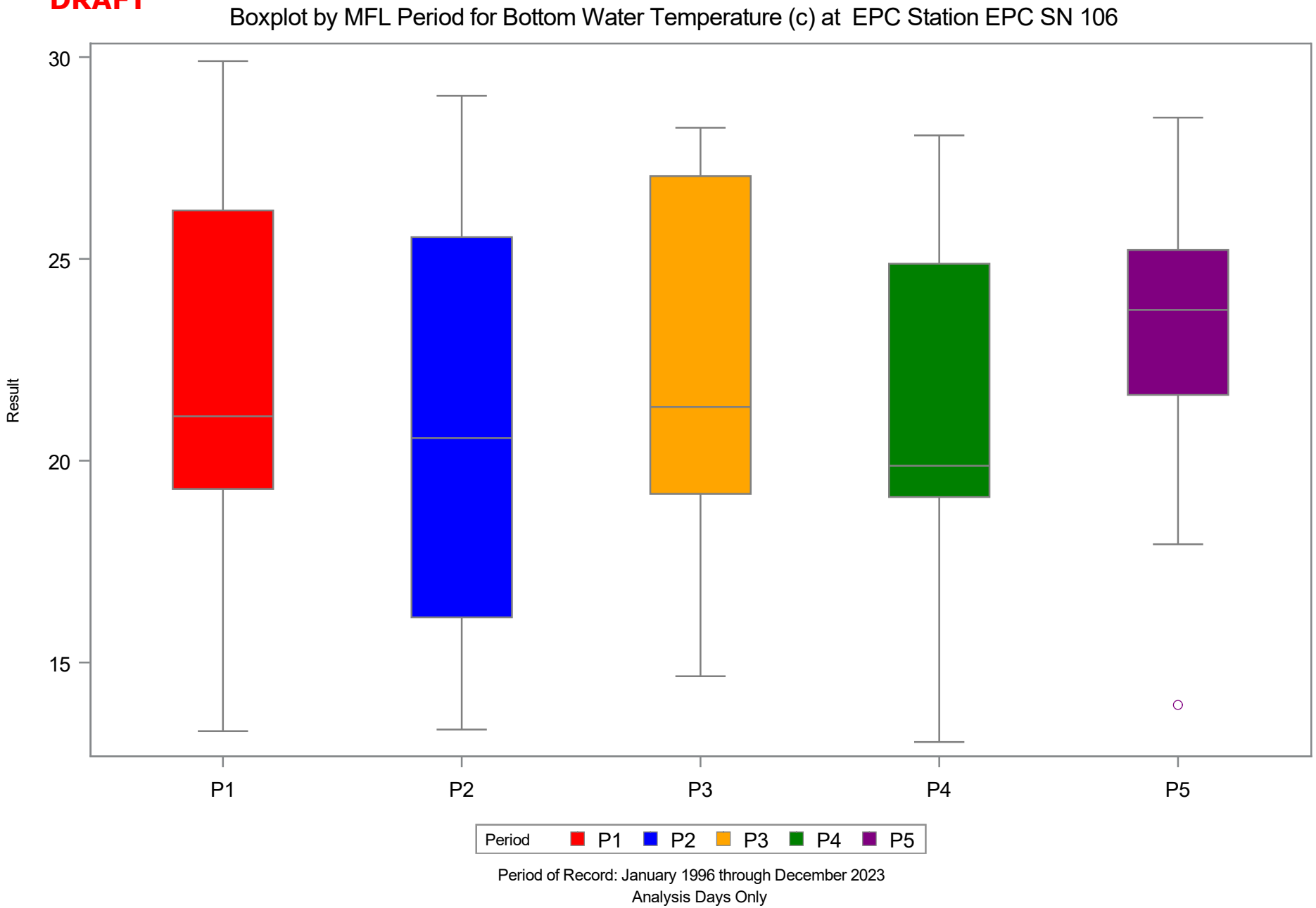
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 106

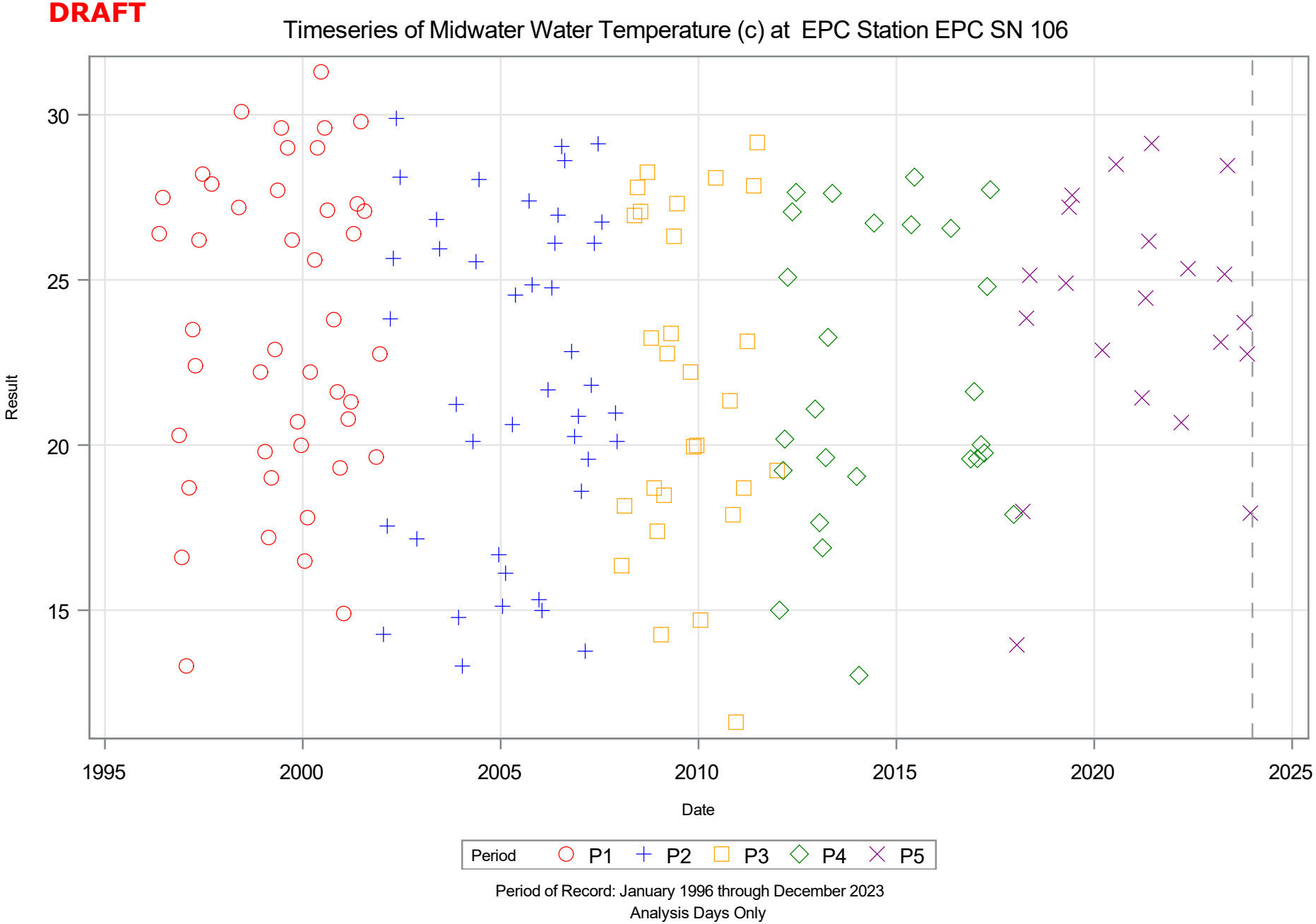
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	29	13.30	19.30	22.12	21.10	26.20	29.90
P2	31	13.34	16.12	20.92	20.56	25.54	29.04
P3	13	14.66	19.18	22.16	21.33	27.05	28.25
P4	16	13.03	19.10	21.22	19.88	24.88	28.06
P5	16	13.96	21.63	23.09	23.74	25.22	28.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 106
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

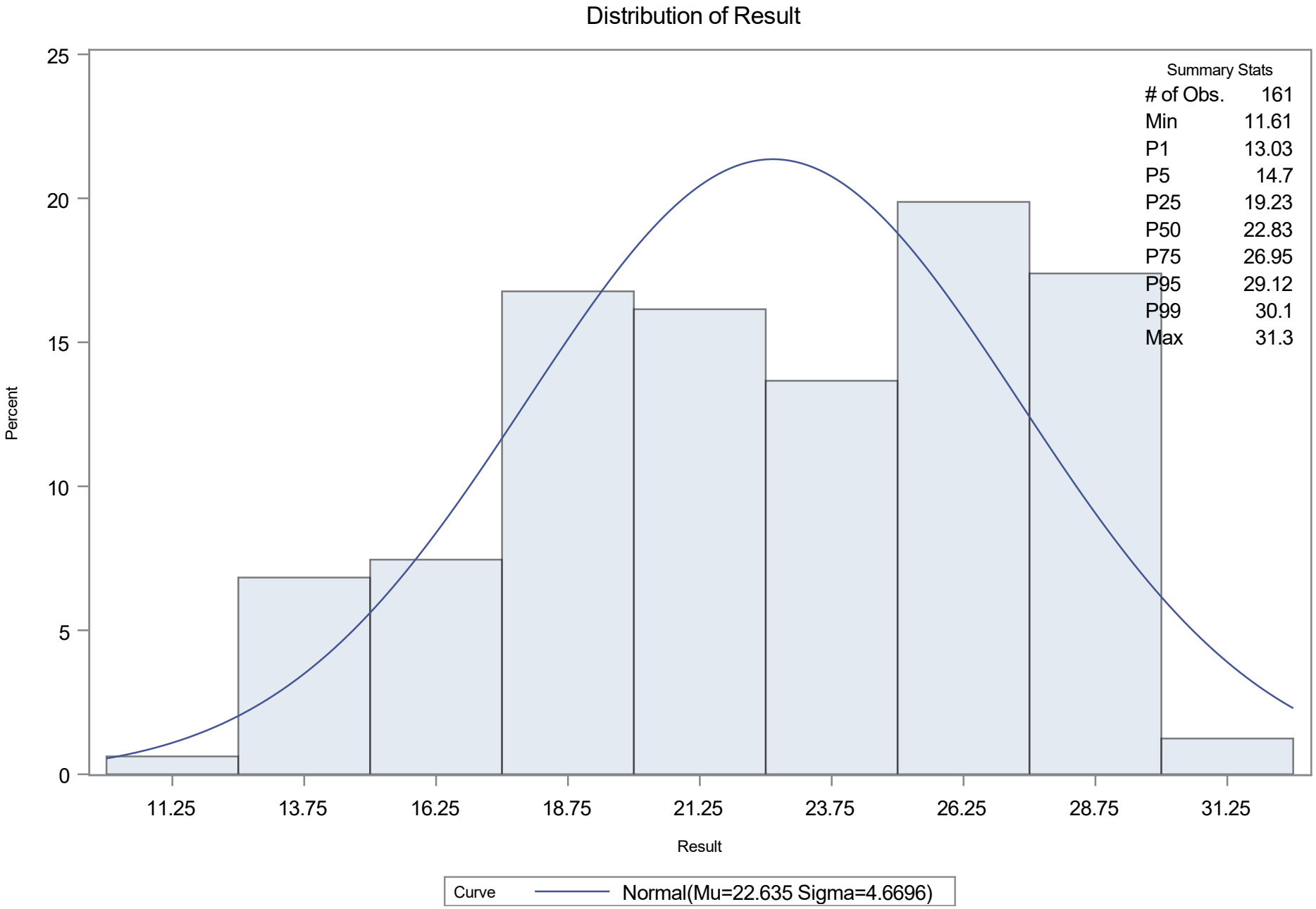
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.63509
Std Dev	Sigma	4.669566

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10701405	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29655142	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.89184582	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.0300	11.7721
5.0	14.7000	14.9543
10.0	16.3500	16.6508
25.0	19.2300	19.4855
50.0	22.8300	22.6351
75.0	26.9500	25.7847
90.0	28.2000	28.6194
95.0	29.1200	30.3158
99.0	30.1000	33.4981

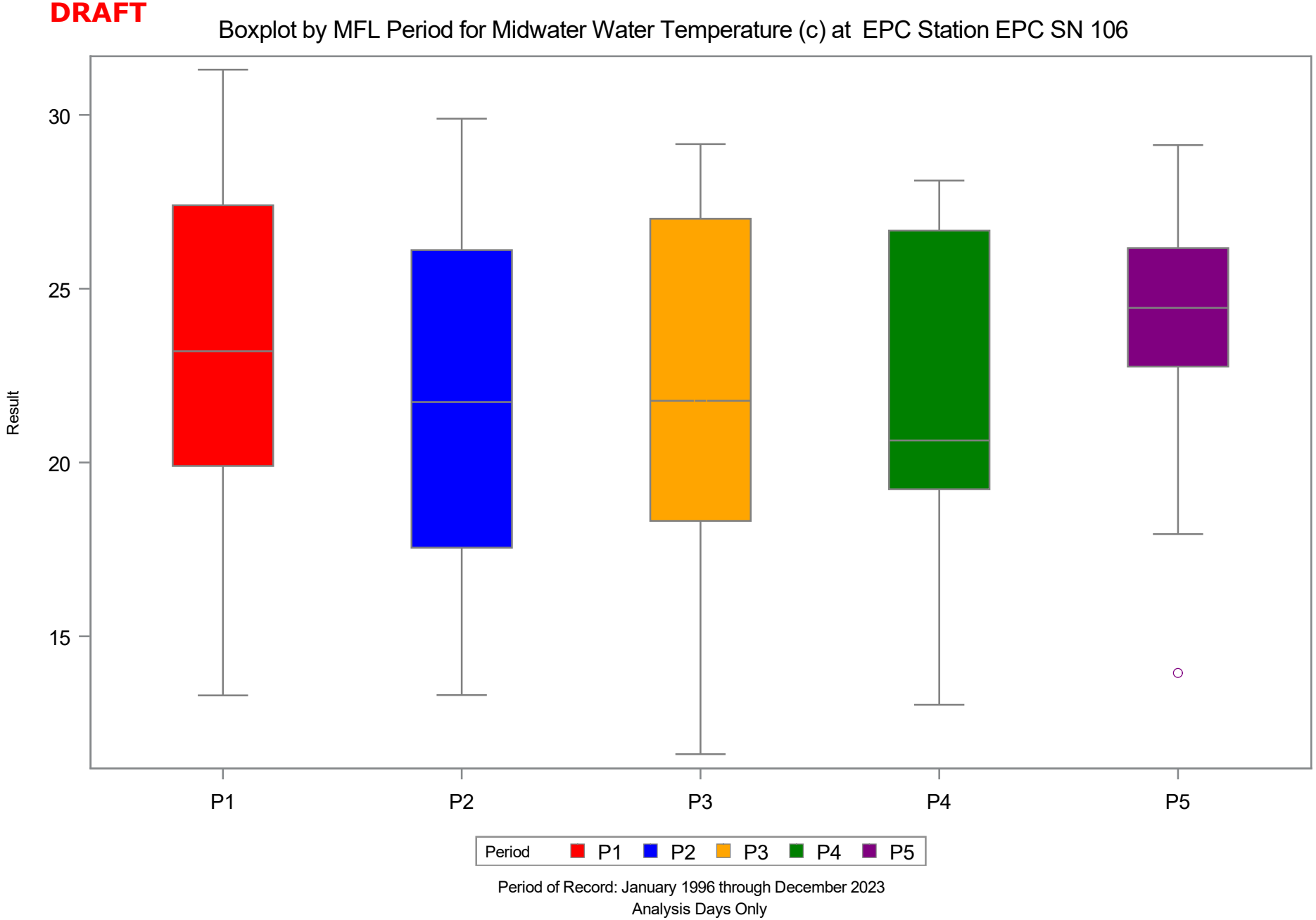
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 106**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	13.30	19.90	23.55	23.20	27.40	31.30
P2	42	13.31	17.55	22.04	21.74	26.11	29.89
P3	28	11.61	18.32	21.80	21.78	27.01	29.16
P4	26	13.03	19.23	21.98	20.64	26.67	28.11
P5	21	13.95	22.76	23.82	24.45	26.17	29.13

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 106
Result
30
25
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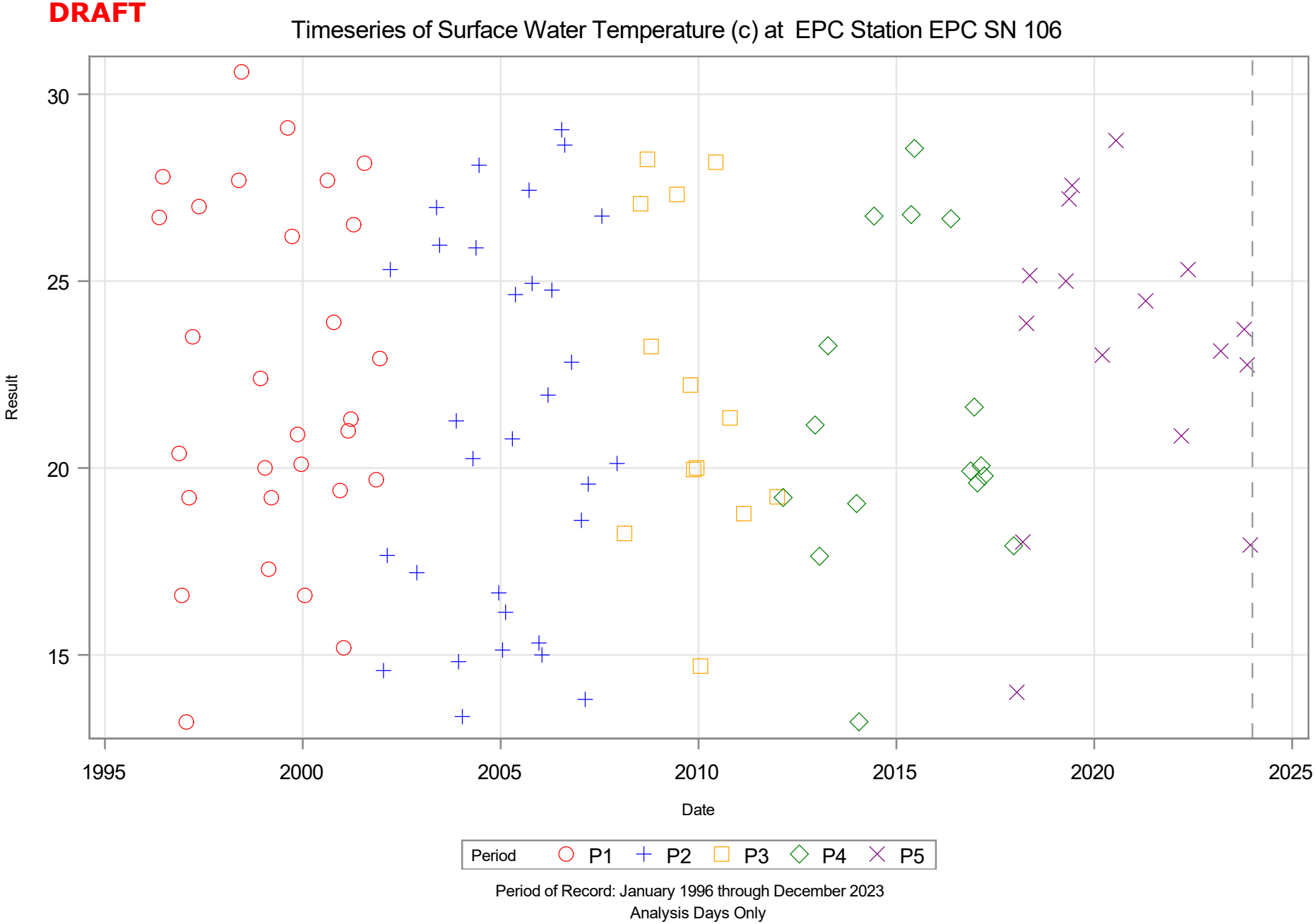
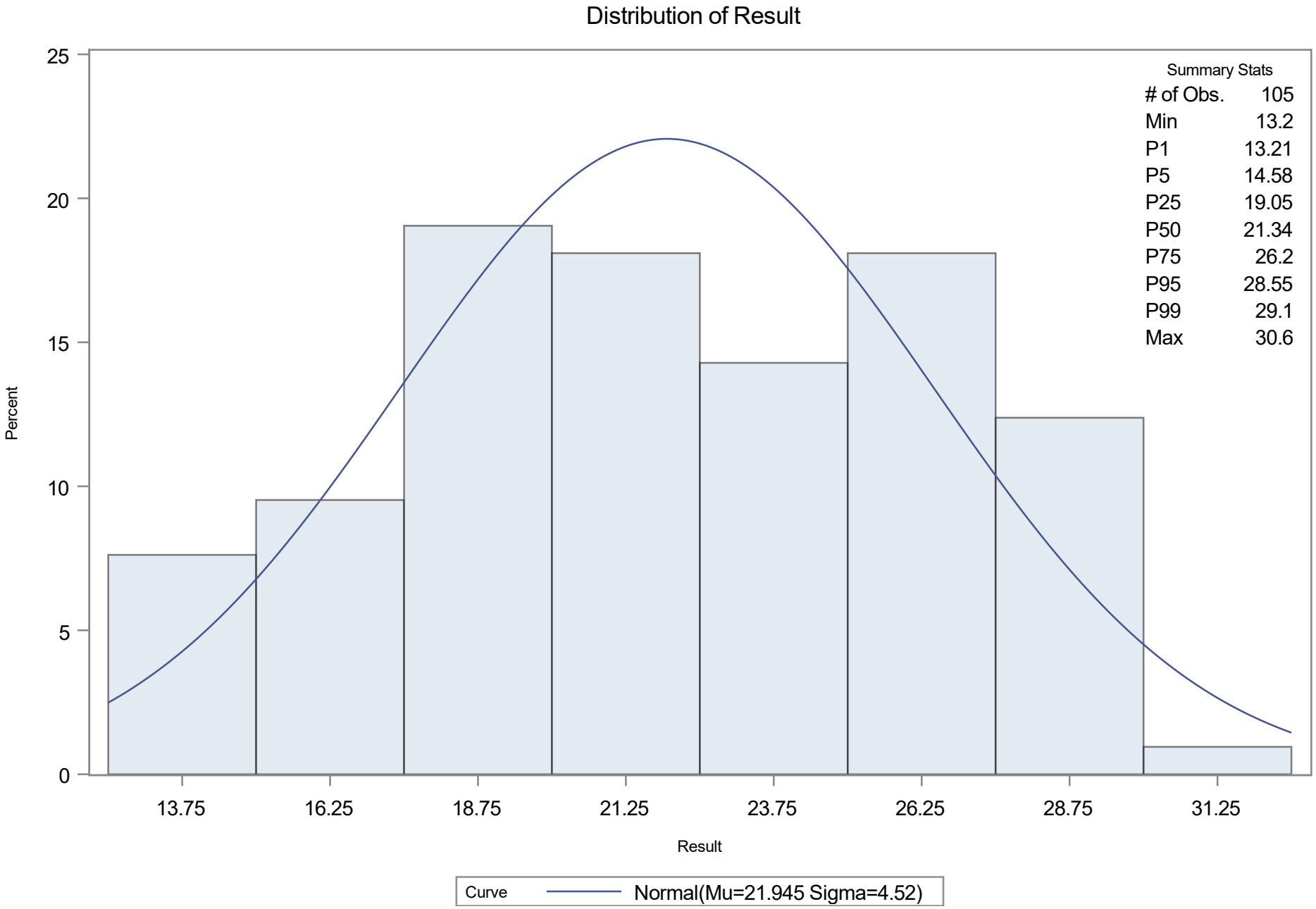
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 106
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.94505
Std Dev	Sigma	4.52002

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09082659	**Pr > D**	0.032
Cramer-von Mises	**W-Sq**	0.14805271	**Pr > W-Sq**	0.025
Anderson-Darling	**A-Sq**	1.03118872	**Pr > A-Sq**	0.010

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.2100	11.4299
5.0	14.5800	14.5103
10.0	15.2000	16.1524
25.0	19.0500	18.8963
50.0	21.3400	21.9450
75.0	26.2000	24.9938
90.0	27.8000	27.7377
95.0	28.5500	29.3798
99.0	29.1000	32.4602

Period of Record: January 1996 through December 2023
Analysis Days Only

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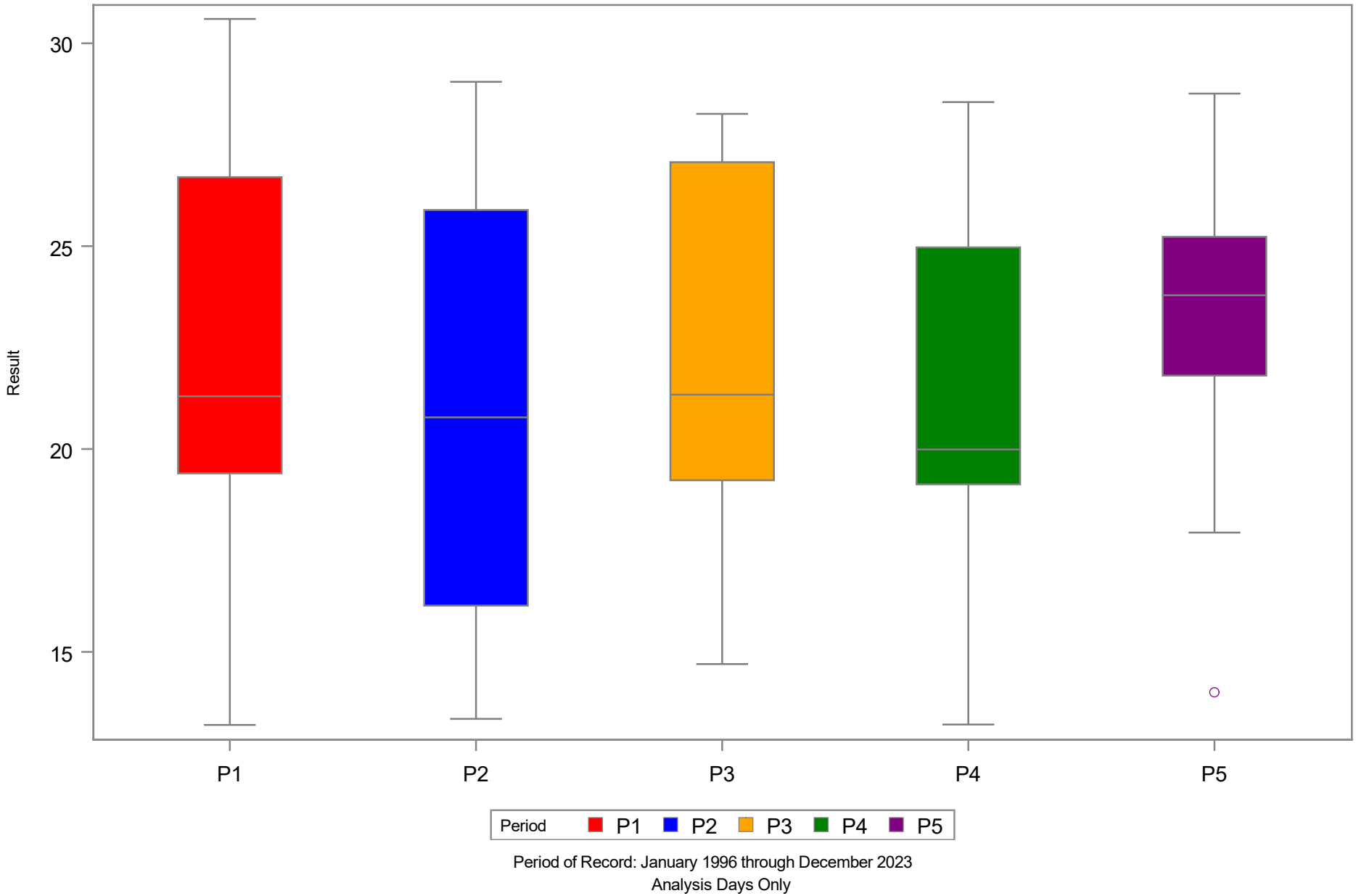
Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 106

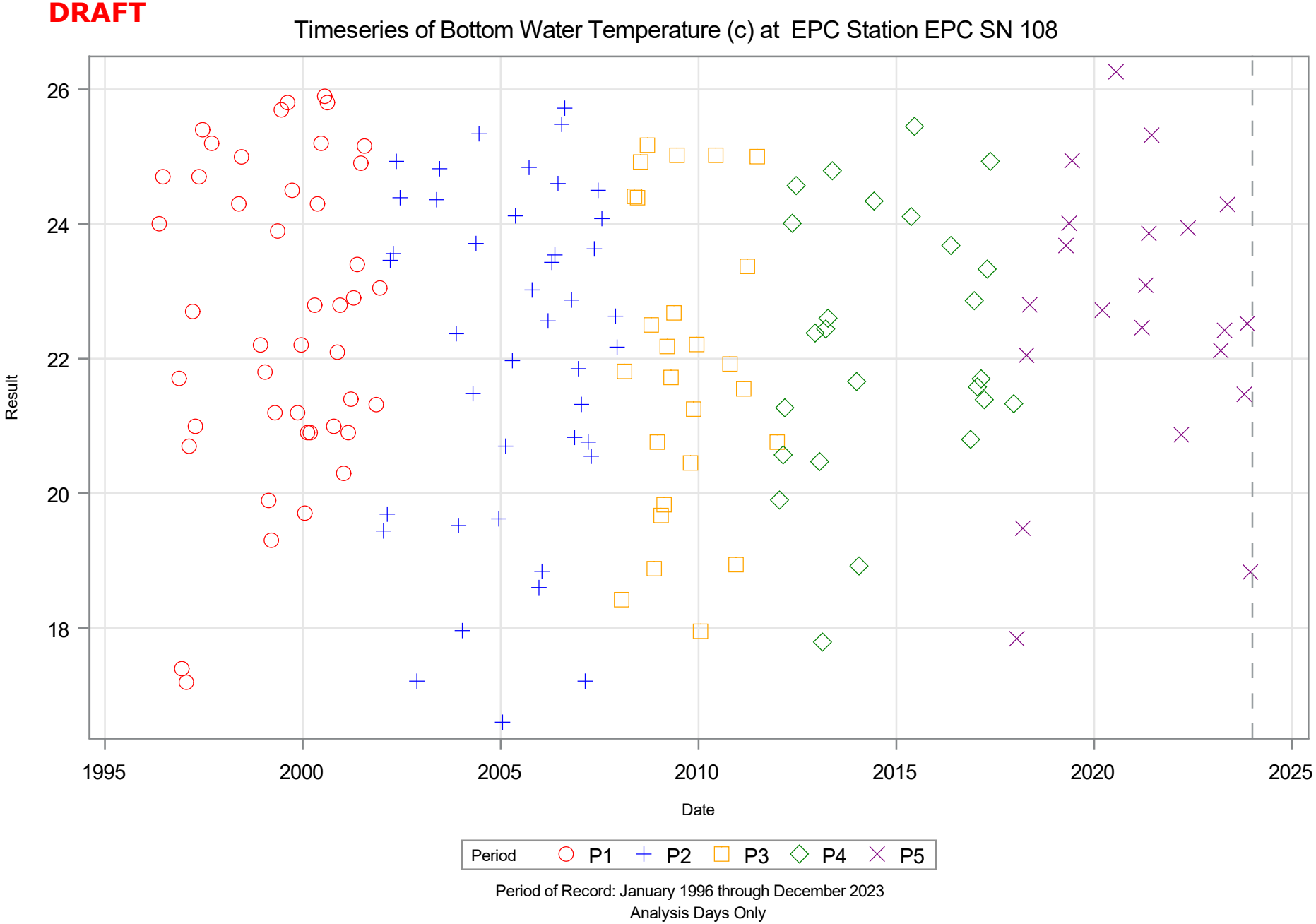
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	29	13.20	19.40	22.42	21.30	26.70	30.60
P2	31	13.35	16.14	21.08	20.78	25.89	29.05
P3	13	14.70	19.23	22.20	21.34	27.07	28.26
P4	16	13.21	19.13	21.32	19.99	24.97	28.55
P5	16	14.00	21.81	23.17	23.79	25.23	28.76

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

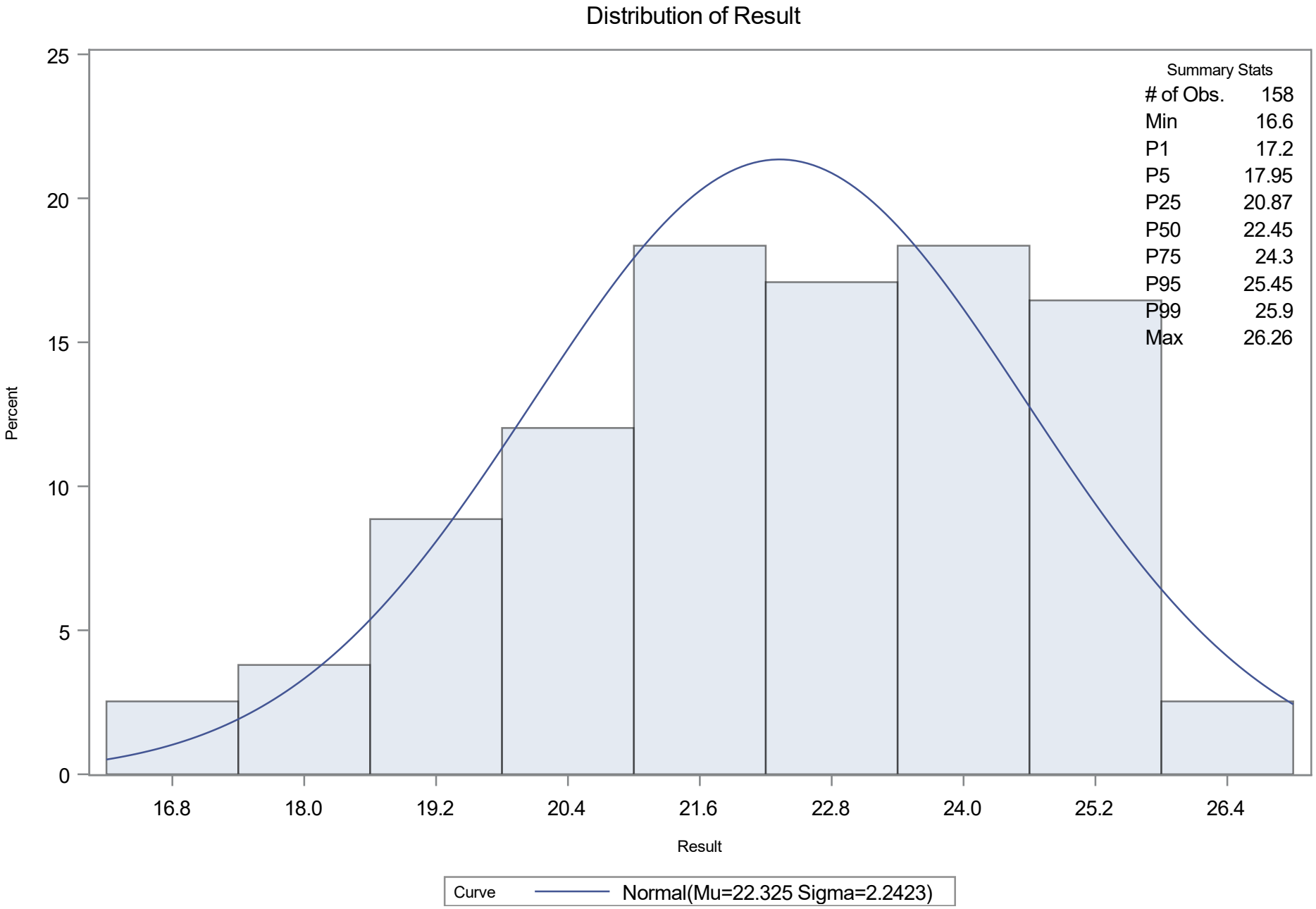

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 106
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 108
Result
26
24
22
20
18
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.32487
Std Dev	Sigma	2.242268

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06995704	**Pr > D**	0.058
Cramer-von Mises	**W-Sq**	0.14536656	**Pr > W-Sq**	0.027
Anderson-Darling	**A-Sq**	1.17079627	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.2000	17.1086
5.0	17.9500	18.6367
10.0	18.9400	19.4513
25.0	20.8700	20.8125
50.0	22.4500	22.3249
75.0	24.3000	23.8373
90.0	25.0200	25.1985
95.0	25.4500	26.0131
99.0	25.9000	27.5412

Period of Record: January 1996 through December 2023
Analysis Days Only

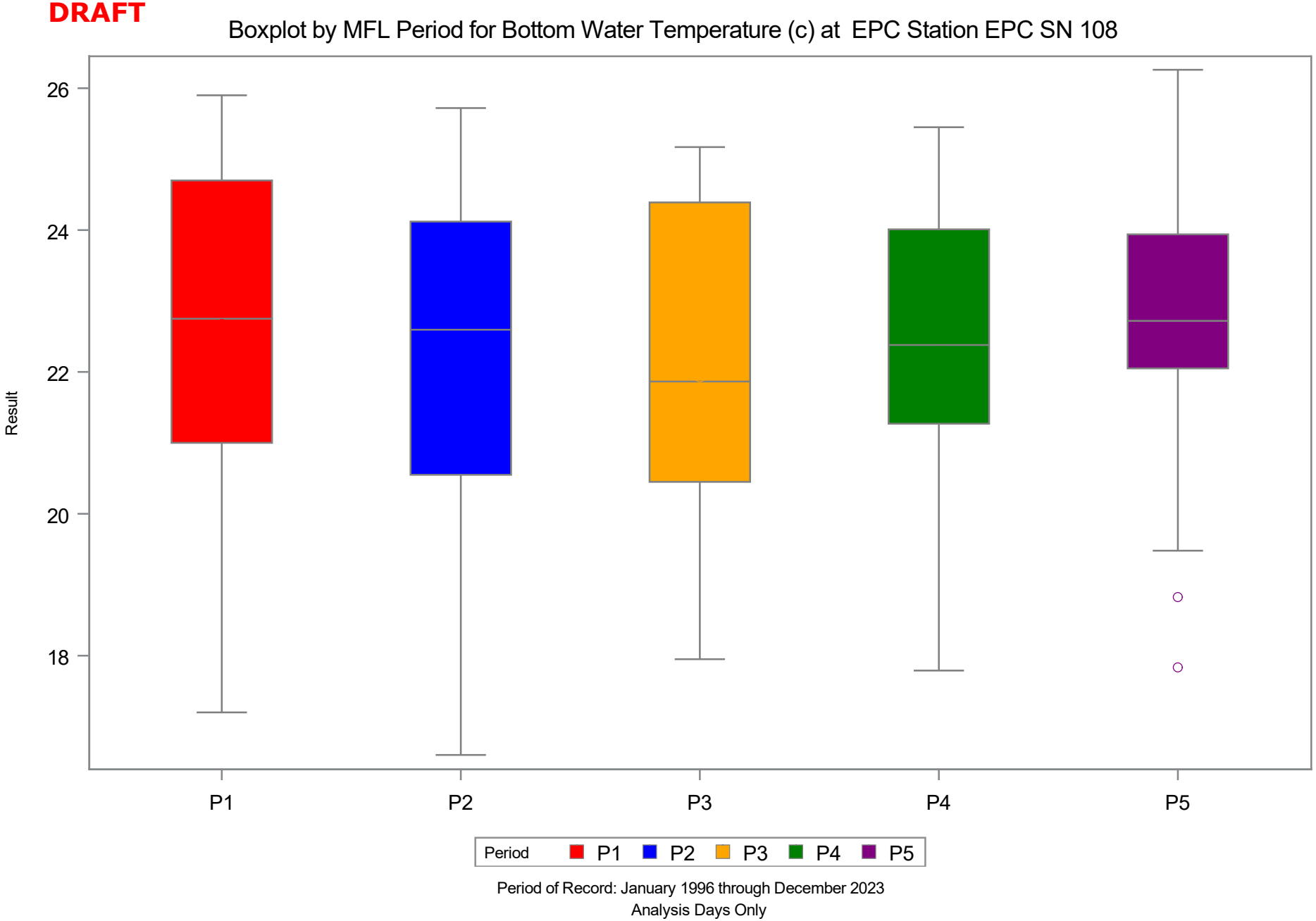
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 108

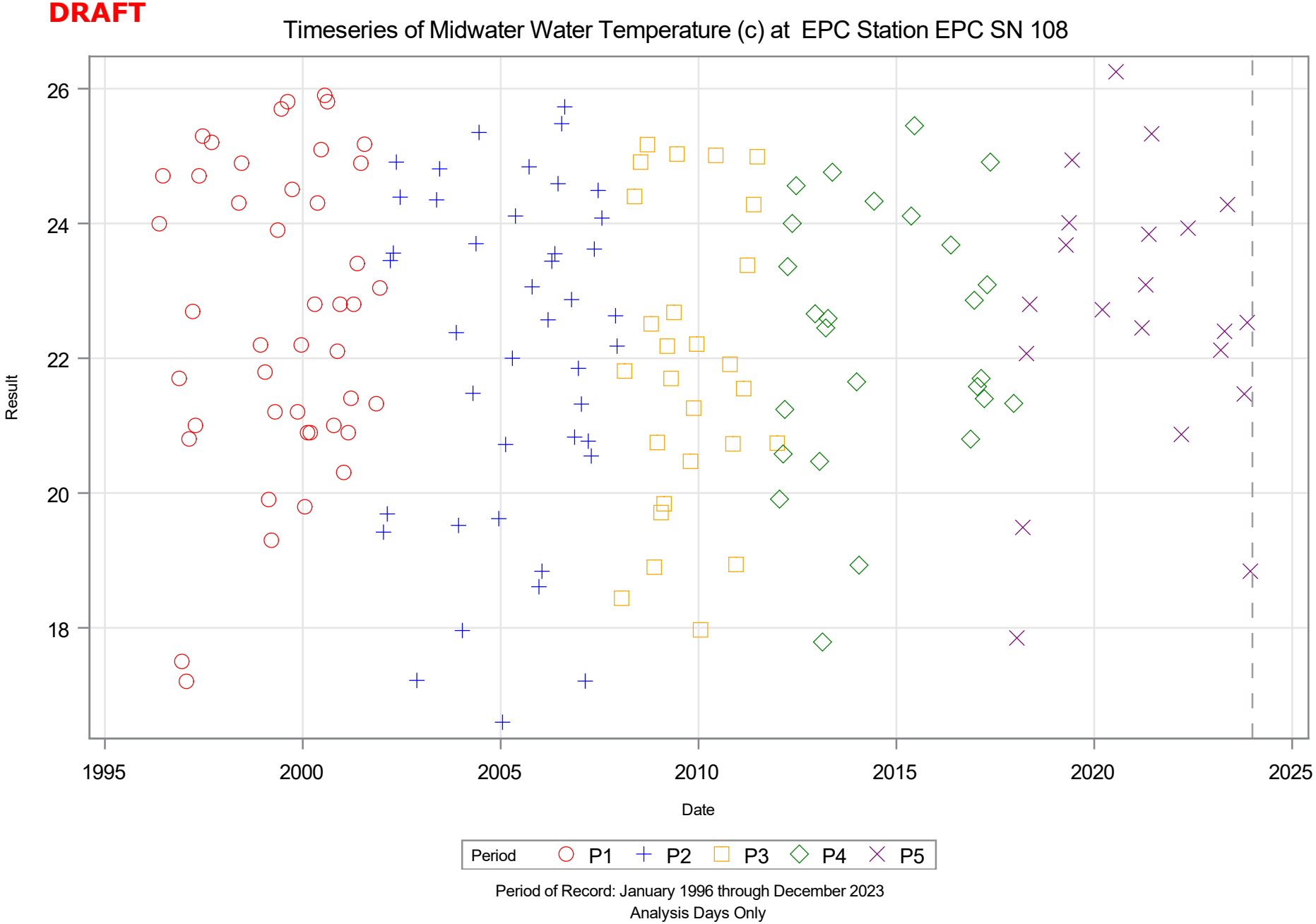
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	17.20	21.00	22.65	22.75	24.70	25.90
P2	42	16.60	20.55	22.10	22.60	24.12	25.72
P3	26	17.95	20.45	21.95	21.87	24.39	25.17
P4	25	17.79	21.27	22.27	22.38	24.01	25.45
P5	21	17.84	22.05	22.62	22.72	23.94	26.26

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

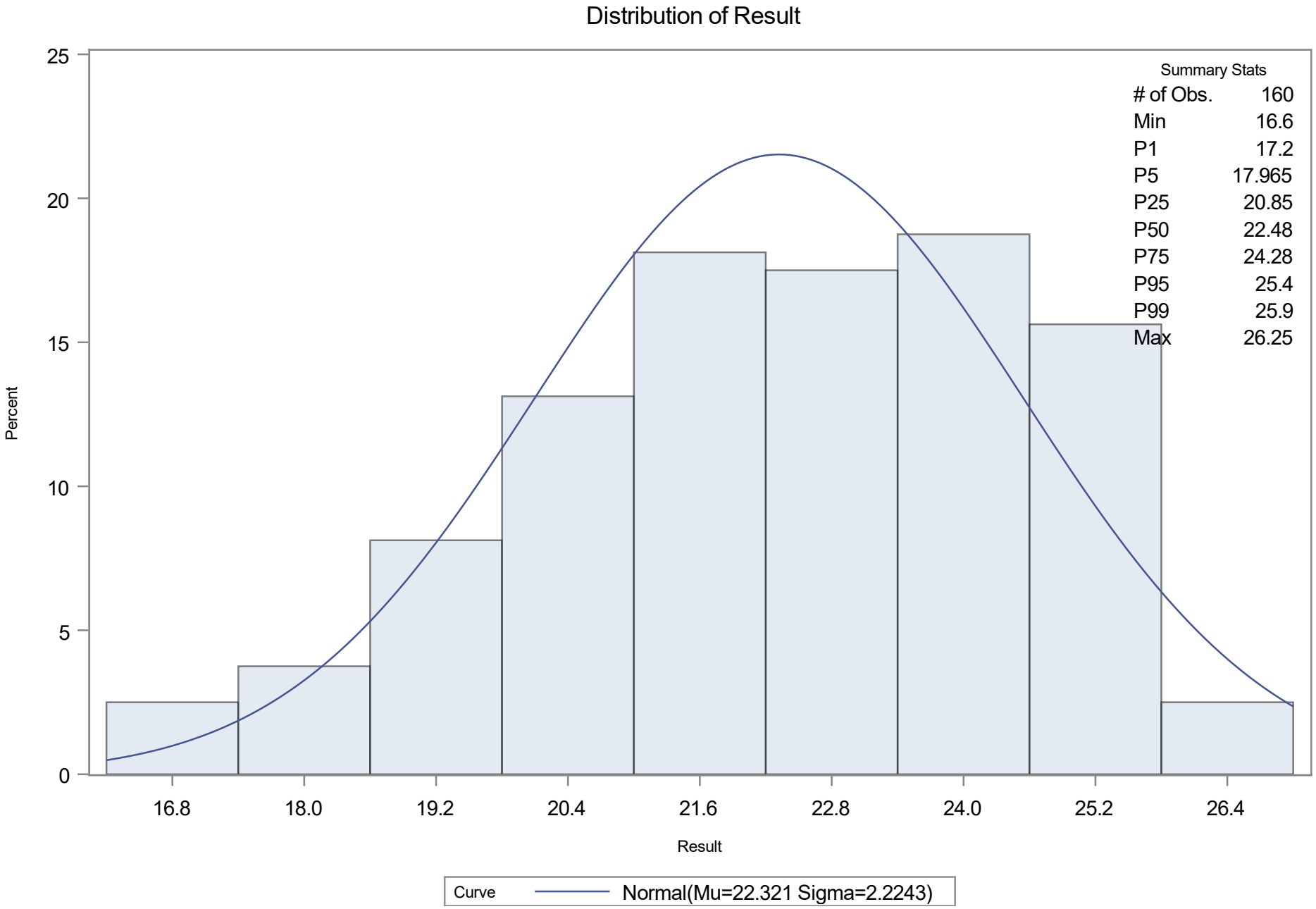

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 108
Result
26
24
22
20
18
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 108
Result
26
24
22
20
18
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.32069
Std Dev	Sigma	2.224267

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06862431	**Pr > D**	0.065
Cramer-von Mises	**W-Sq**	0.14185456	**Pr > W-Sq**	0.031
Anderson-Darling	**A-Sq**	1.13746664	**Pr > A-Sq**	0.006

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.2000	17.1463
5.0	17.9650	18.6621
10.0	19.1200	19.4702
25.0	20.8500	20.8204
50.0	22.4800	22.3207
75.0	24.2800	23.8209
90.0	25.0200	25.1712
95.0	25.4000	25.9793
99.0	25.9000	27.4951

Period of Record: January 1996 through December 2023
Analysis Days Only

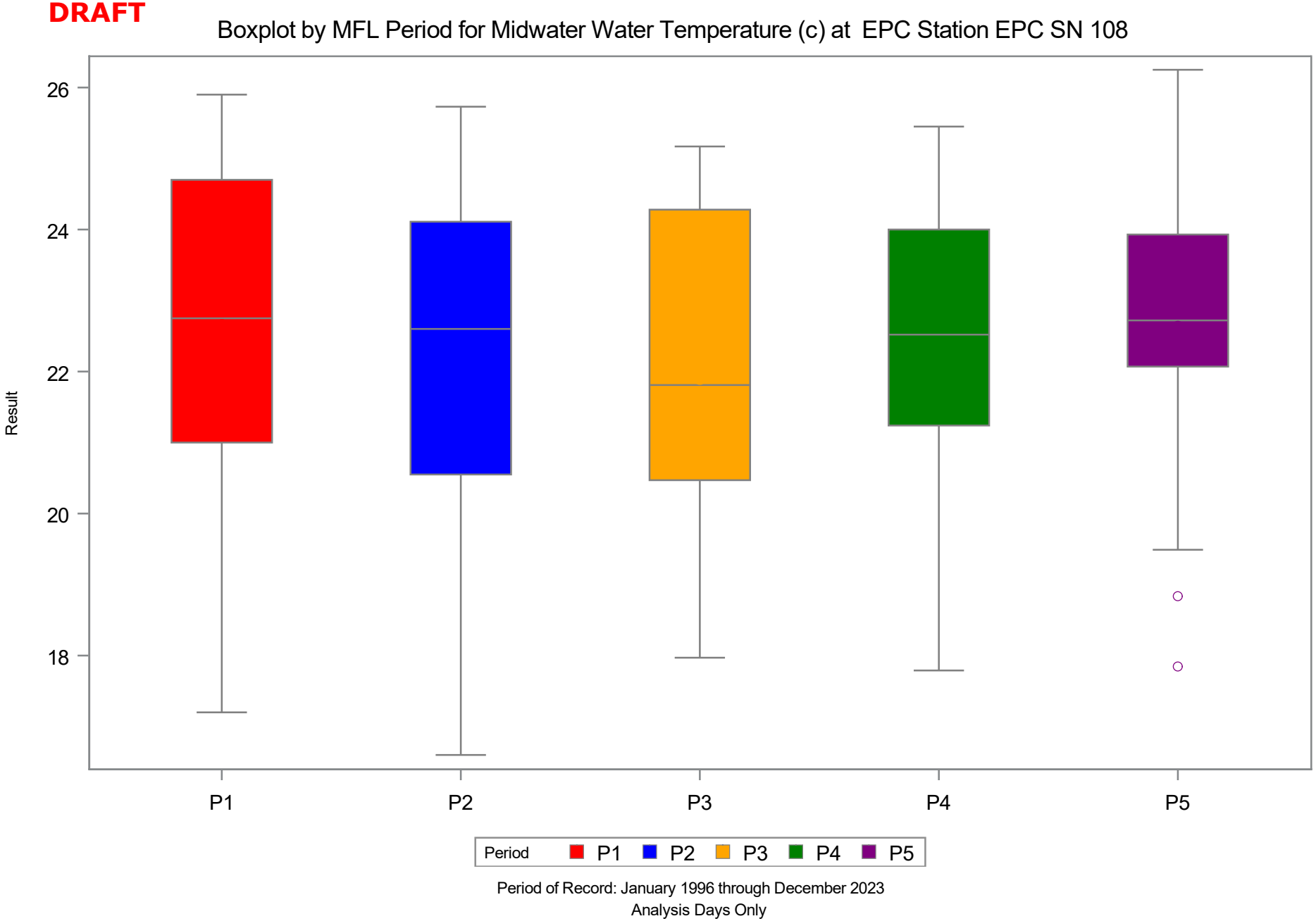
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 108

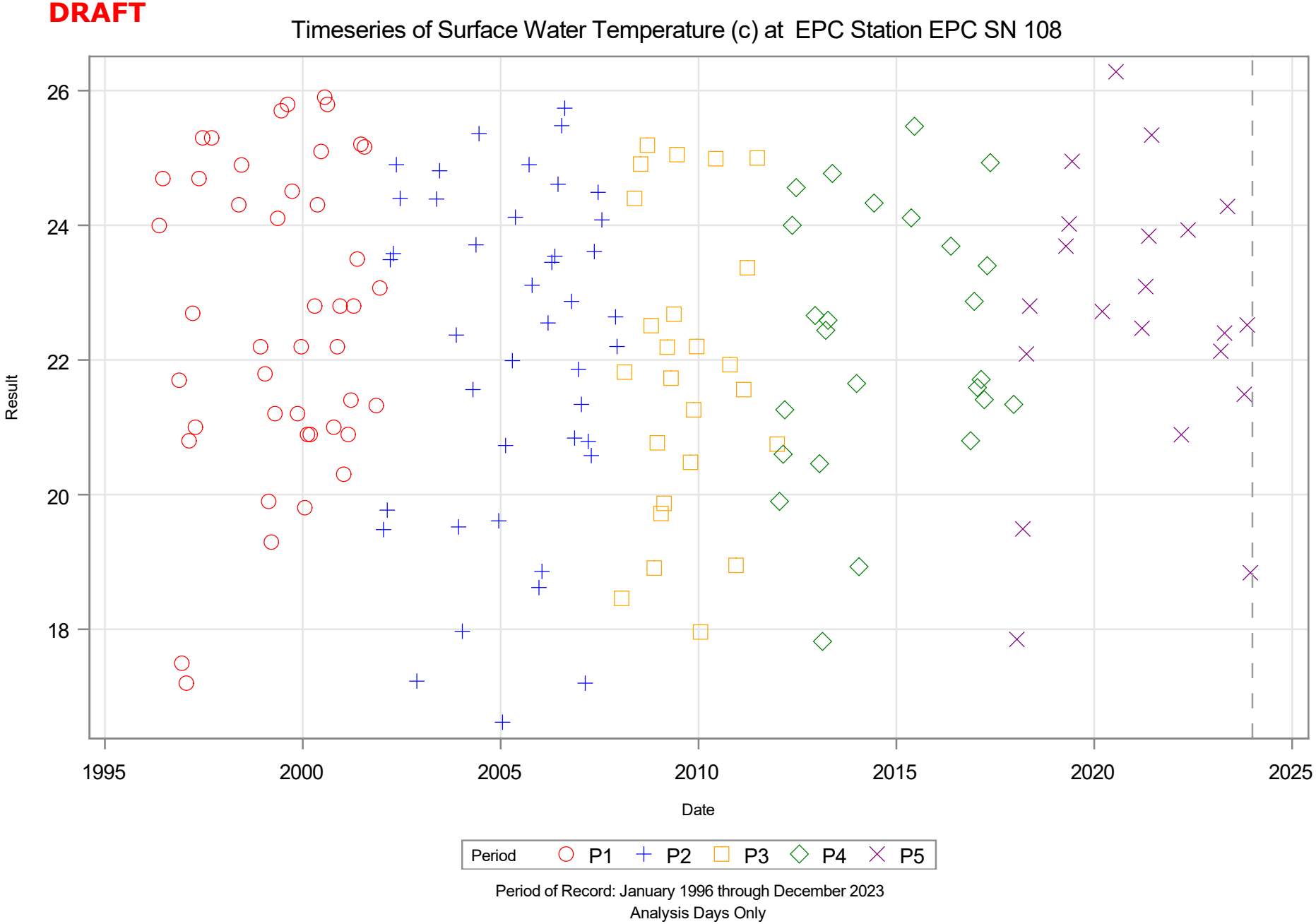
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	17.20	21.00	22.64	22.75	24.70	25.90
P2	42	16.60	20.55	22.10	22.60	24.11	25.73
P3	27	17.97	20.47	21.91	21.81	24.28	25.17
P4	26	17.79	21.24	22.32	22.52	24.00	25.45
P5	21	17.85	22.07	22.62	22.72	23.93	26.25

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 108
Result
26
24
22
20
18
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 108
Result
26
24
22
20
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1995
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2005
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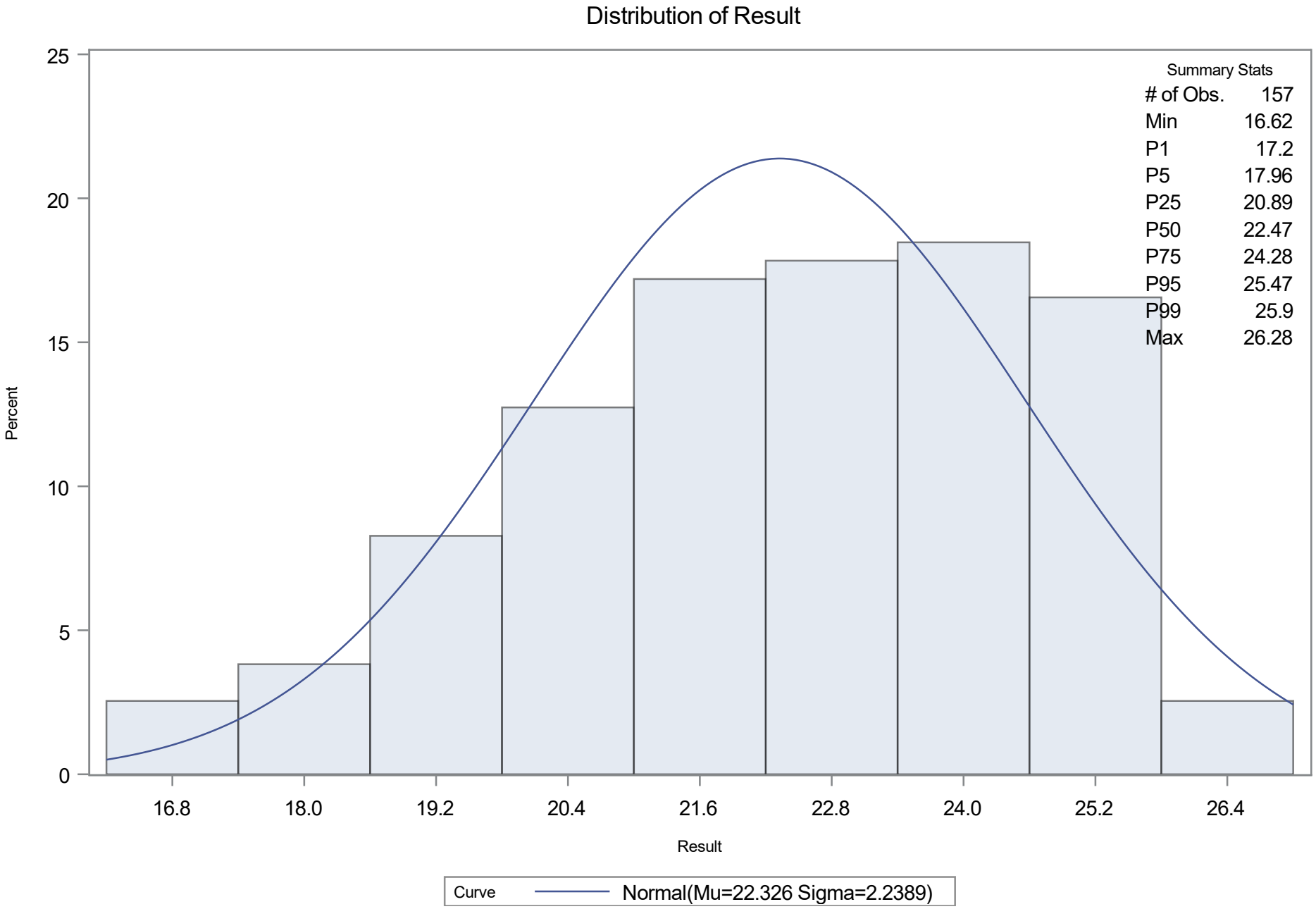
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.32611
Std Dev	Sigma	2.238886

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07202500	**Pr > D**	0.045
Cramer-von Mises	**W-Sq**	0.13862282	**Pr > W-Sq**	0.035
Anderson-Darling	**A-Sq**	1.12081298	**Pr > A-Sq**	0.006

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.2000	17.1177
5.0	17.9600	18.6435
10.0	18.9500	19.4569
25.0	20.8900	20.8160
50.0	22.4700	22.3261
75.0	24.2800	23.8362
90.0	25.1000	25.1954
95.0	25.4700	26.0088
99.0	25.9000	27.5345

Period of Record: January 1996 through December 2023
Analysis Days Only

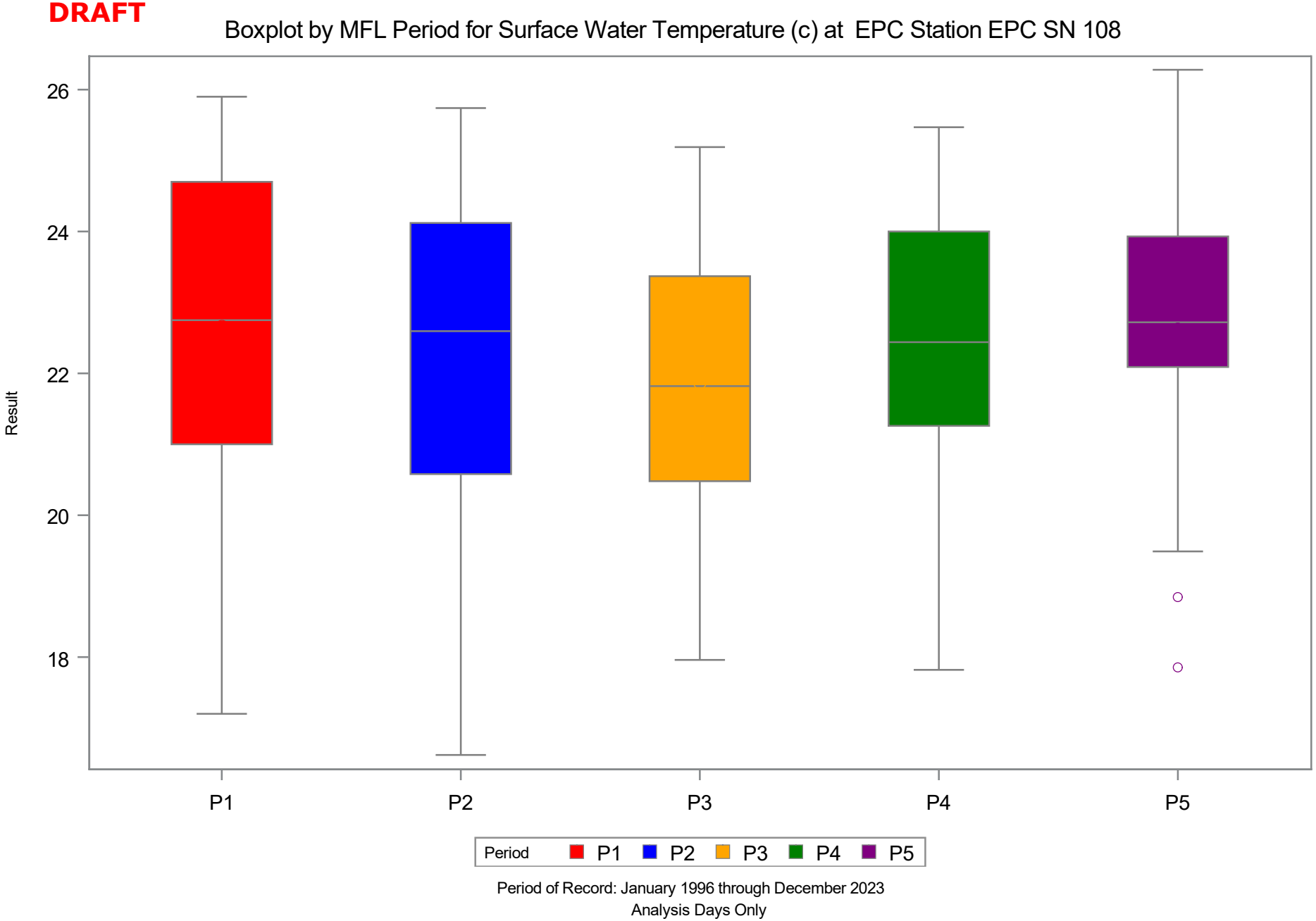
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 108

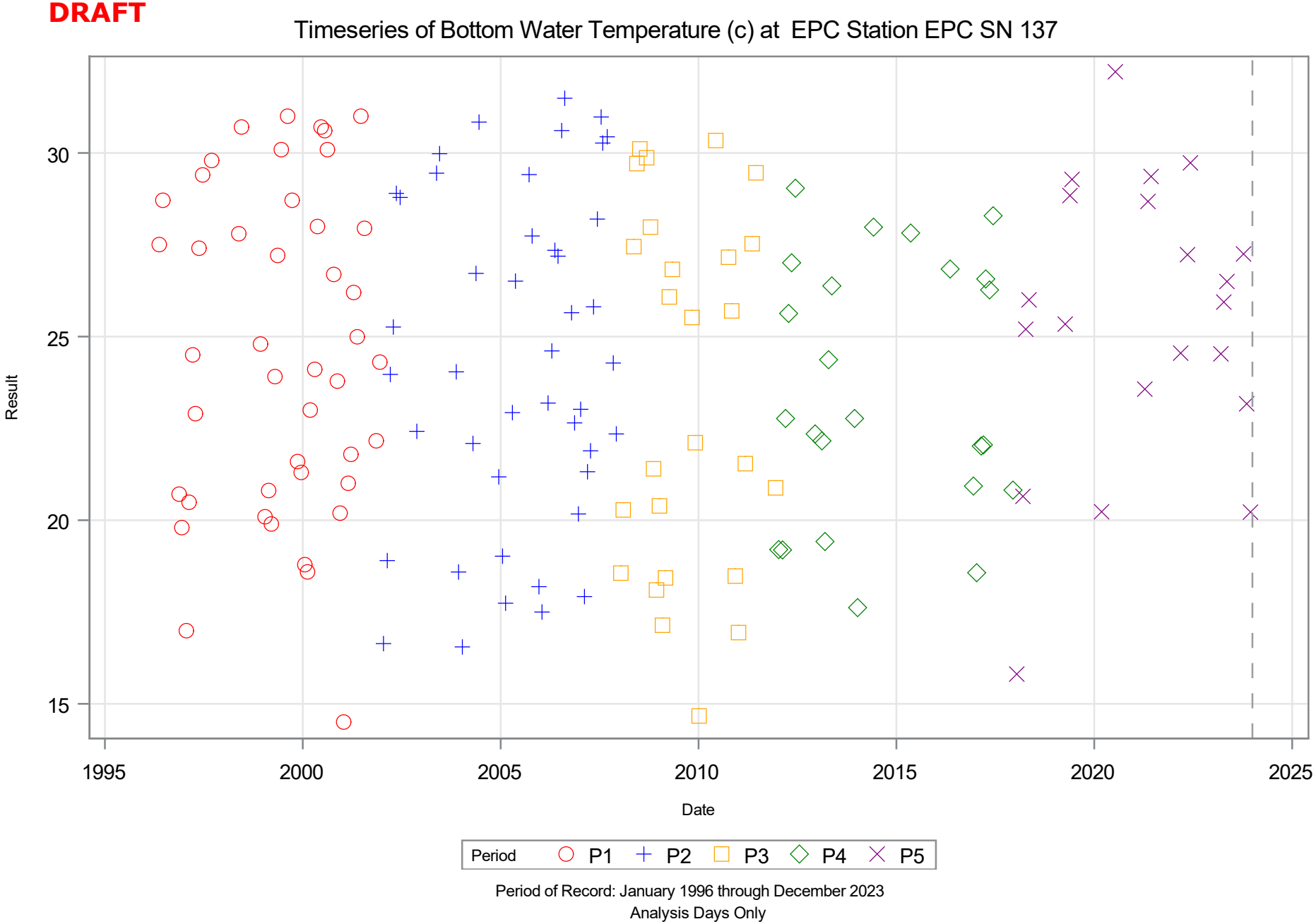
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	17.20	21.00	22.66	22.75	24.70	25.90
P2	42	16.62	20.58	22.12	22.60	24.12	25.74
P3	25	17.96	20.48	21.87	21.82	23.37	25.19
P4	25	17.82	21.26	22.29	22.44	24.00	25.47
P5	21	17.85	22.09	22.62	22.72	23.93	26.28

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

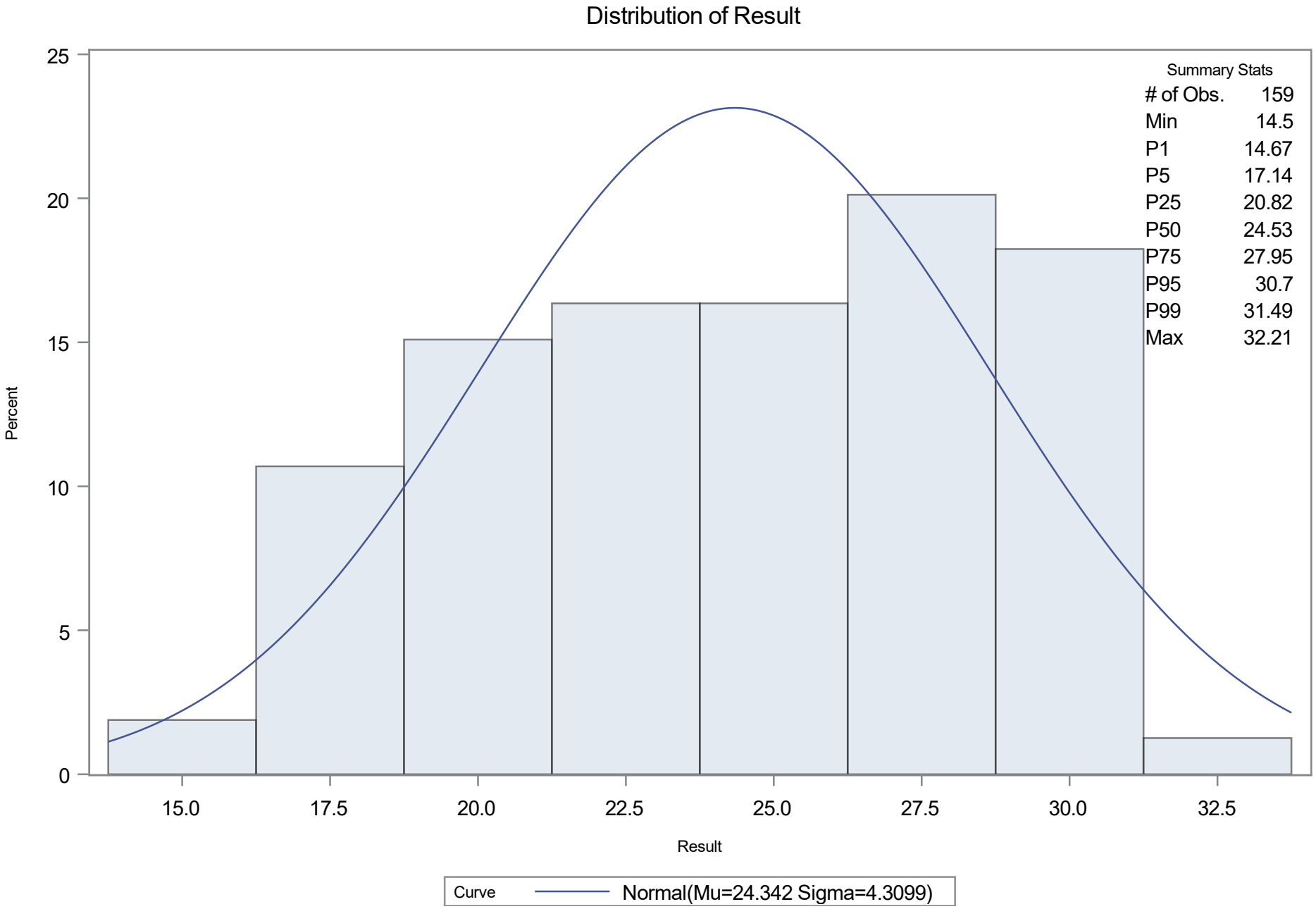

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 108
Result
26
24
22
20
18
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 137
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.34214
Std Dev	Sigma	4.309896

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07671686	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.23701635	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.49919242	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.6700	14.3158
5.0	17.1400	17.2530
10.0	18.4800	18.8188
25.0	20.8200	21.4352
50.0	24.5300	24.3421
75.0	27.9500	27.2491
90.0	30.1000	29.8655
95.0	30.7000	31.4313
99.0	31.4900	34.3685

Period of Record: January 1996 through December 2023
Analysis Days Only

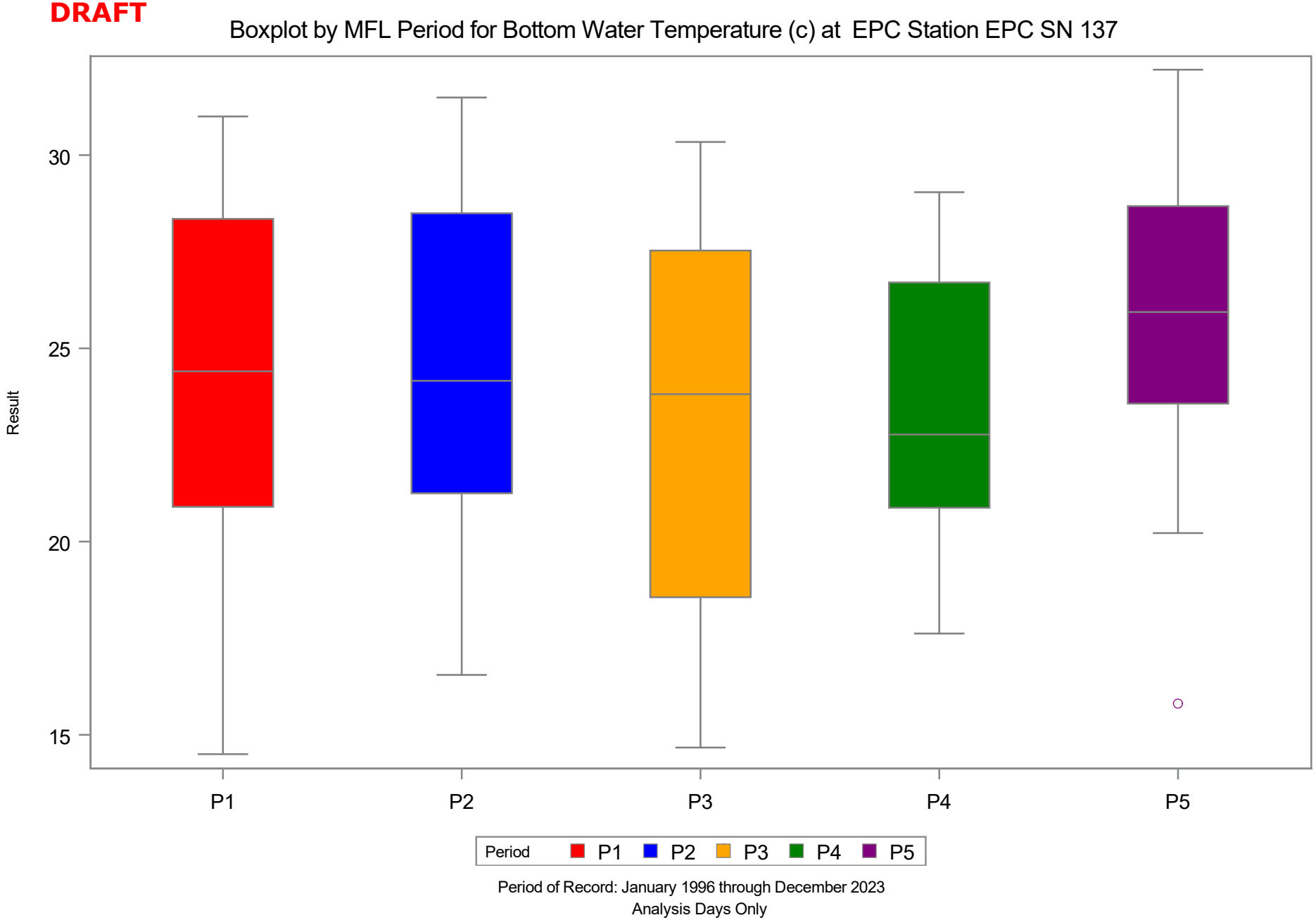
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 137

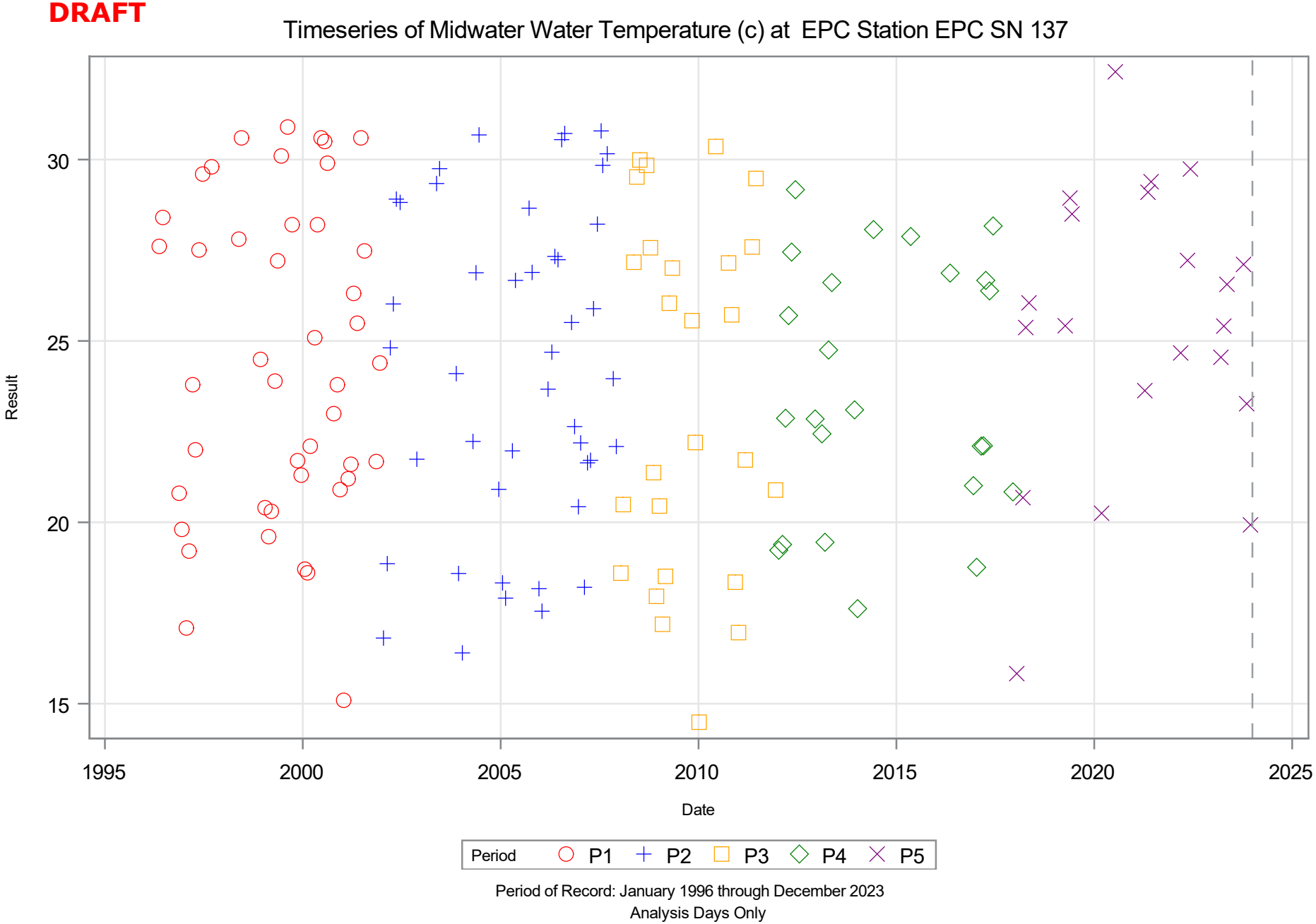
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	14.50	20.90	24.65	24.41	28.35	31.00
P2	44	16.55	21.25	24.38	24.16	28.50	31.49
P3	26	14.67	18.56	23.56	23.82	27.53	30.34
P4	24	17.62	20.88	23.59	22.77	26.71	29.04
P5	21	15.81	23.57	25.44	25.94	28.68	32.21

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

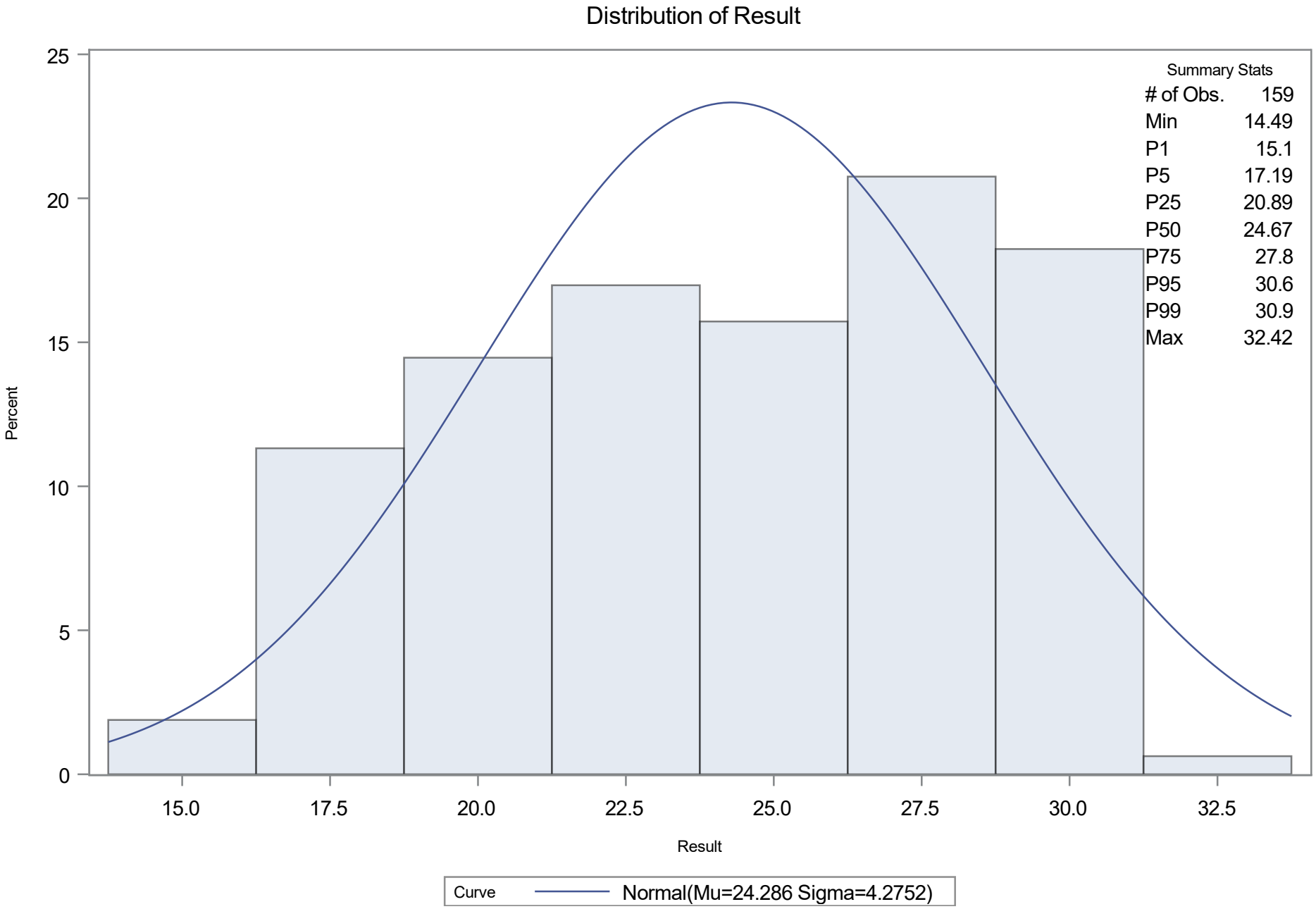

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 137
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 137
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.28635
Std Dev	Sigma	4.275185

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08622399	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.28636222	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.75714682	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.1000	14.3408
5.0	17.1900	17.2543
10.0	18.3500	18.8075
25.0	20.8900	21.4028
50.0	24.6700	24.2864
75.0	27.8000	27.1699
90.0	29.8400	29.7652
95.0	30.6000	31.3184
99.0	30.9000	34.2319

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

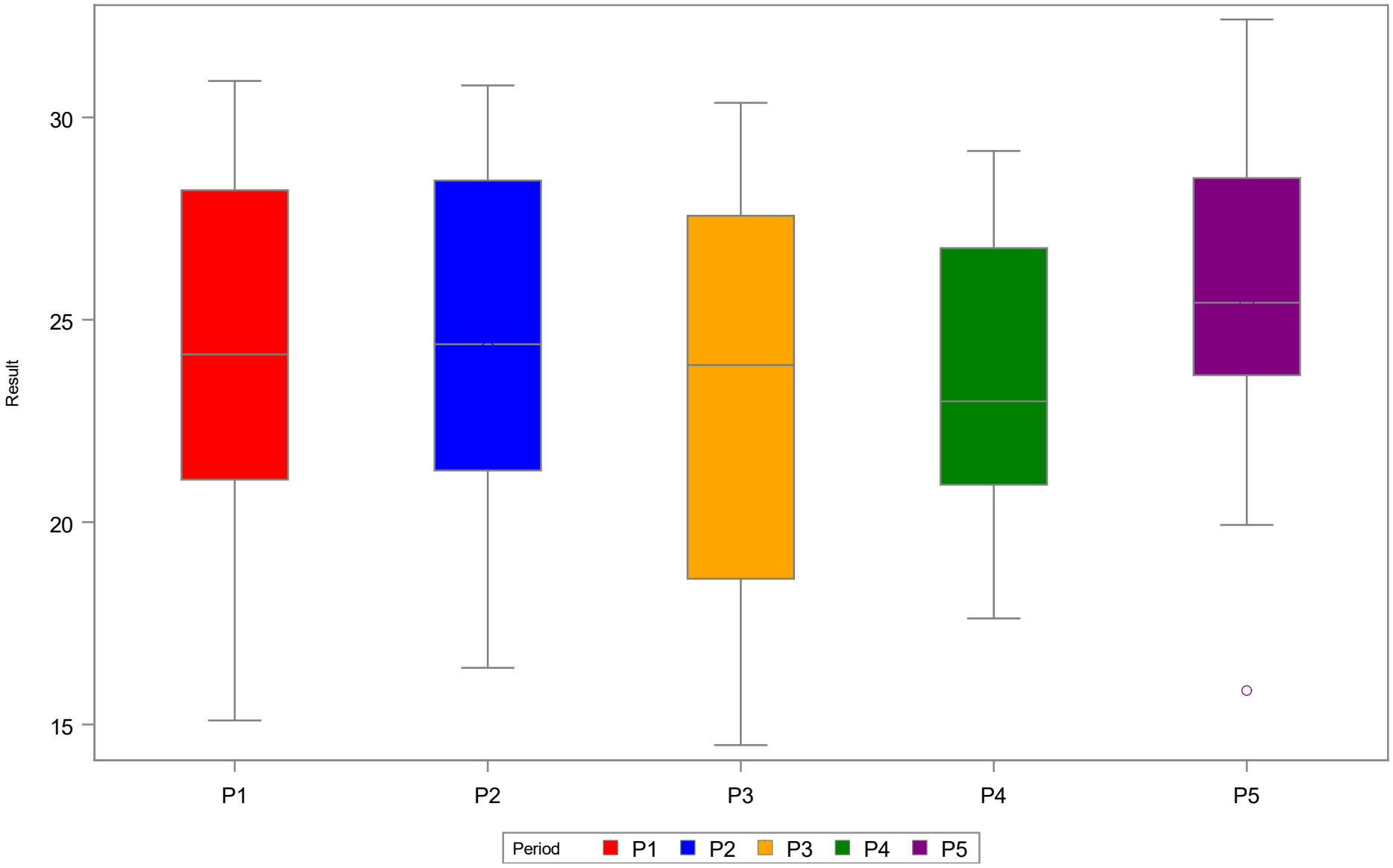
Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 137

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	15.10	21.05	24.49	24.15	28.20	30.90
P2	44	16.40	21.28	24.28	24.40	28.44	30.79
P3	26	14.49	18.60	23.55	23.88	27.57	30.36
P4	24	17.62	20.93	23.73	22.99	26.77	29.17
P5	21	15.83	23.63	25.43	25.42	28.50	32.42

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

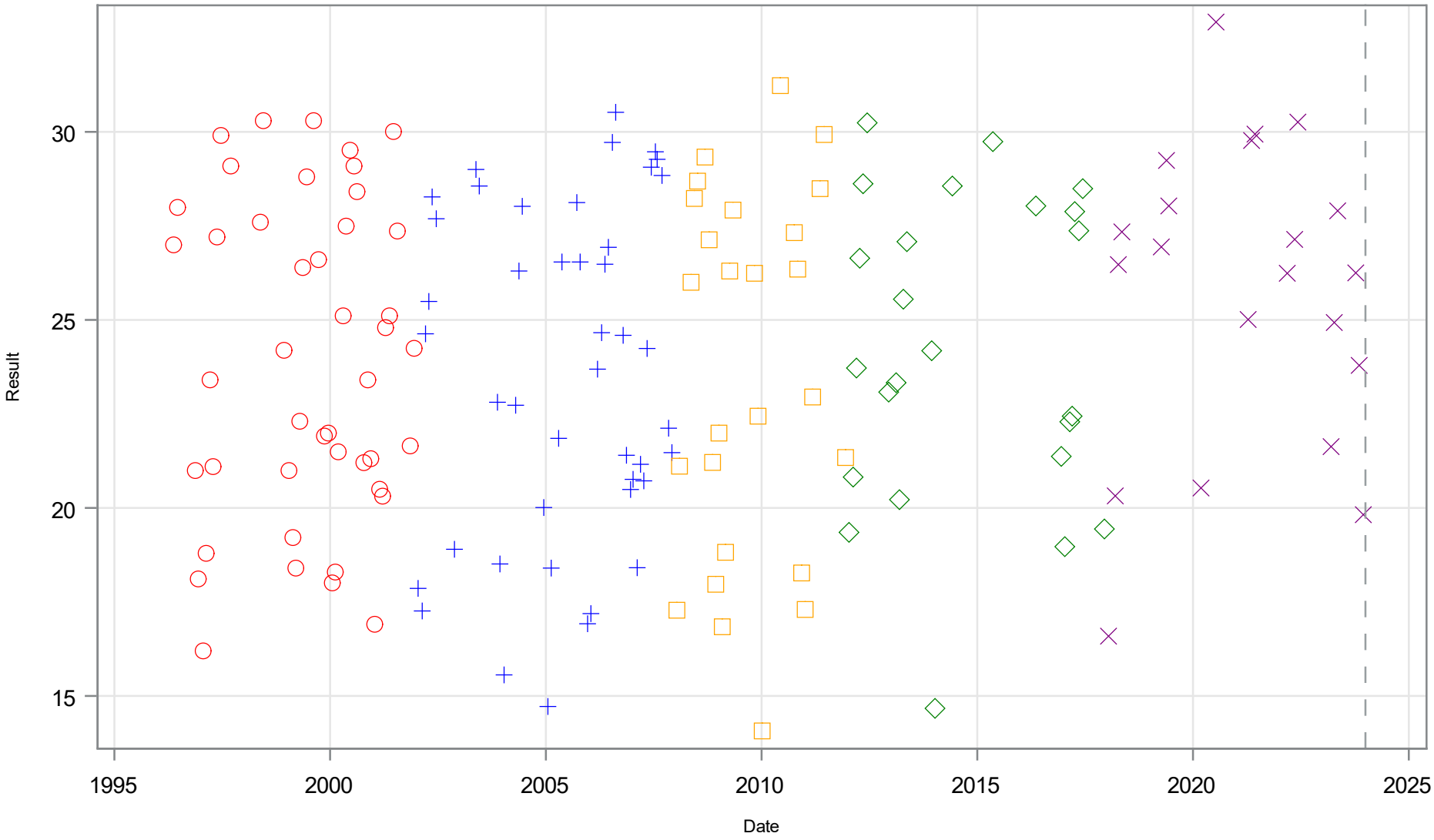
Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

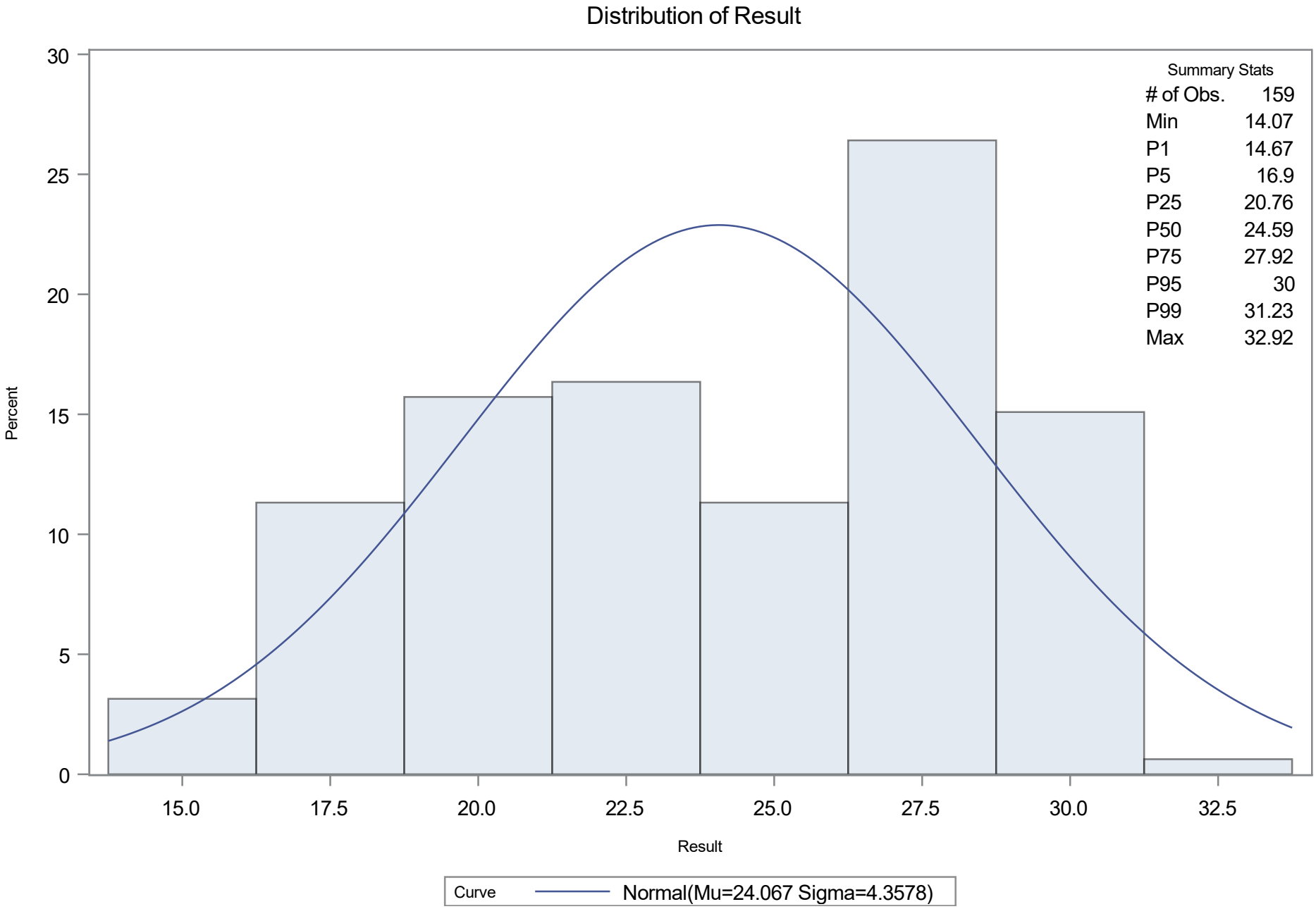
Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.06748
Std Dev	Sigma	4.357823

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12490783	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.38886294	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.27834622	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.6700	13.9297
5.0	16.9000	16.8995
10.0	18.0000	18.4827
25.0	20.7600	21.1282
50.0	24.5900	24.0675
75.0	27.9200	27.0068
90.0	29.4700	29.6523
95.0	30.0000	31.2355
99.0	31.2300	34.2053

Period of Record: January 1996 through December 2023
Analysis Days Only

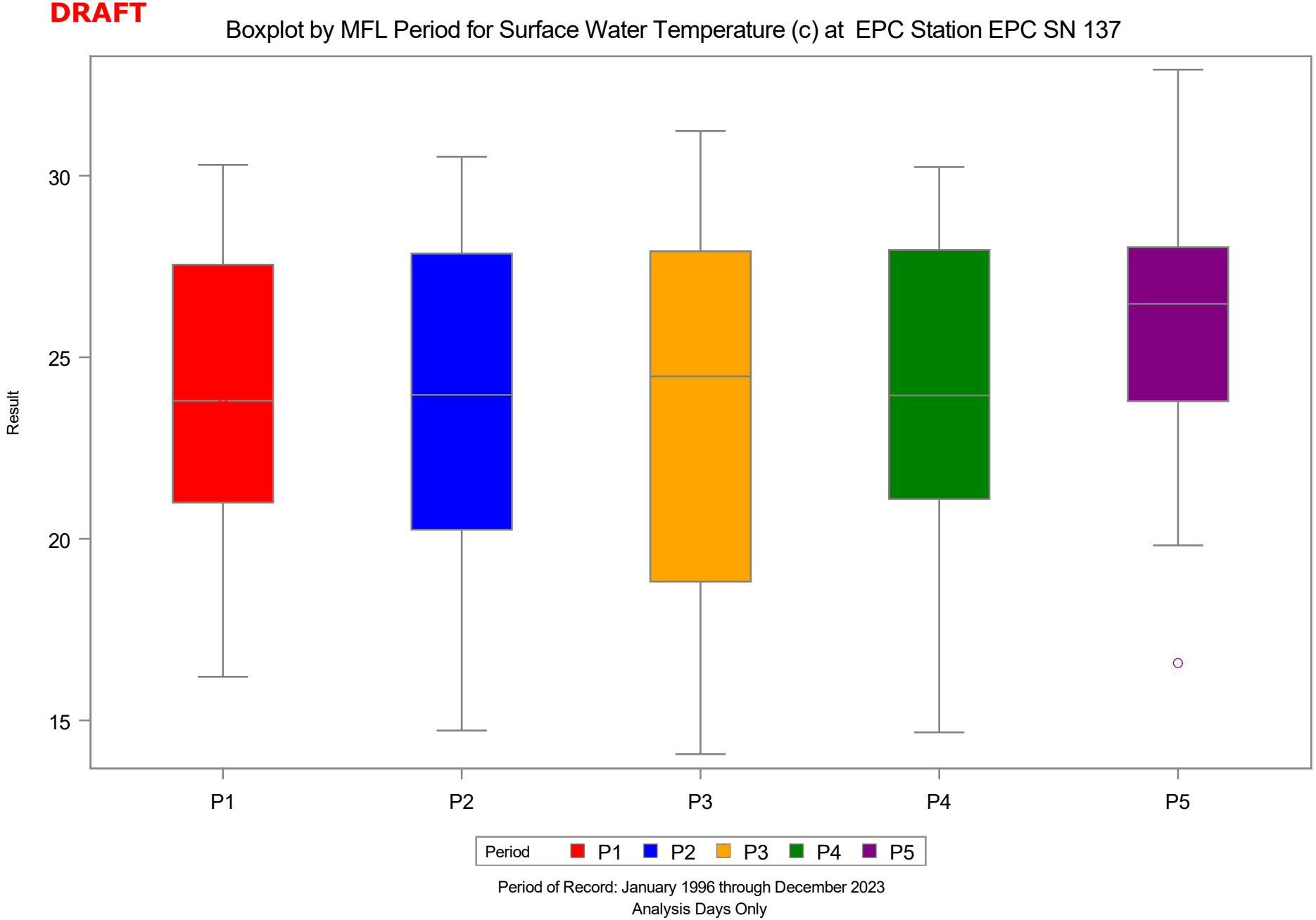
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 137

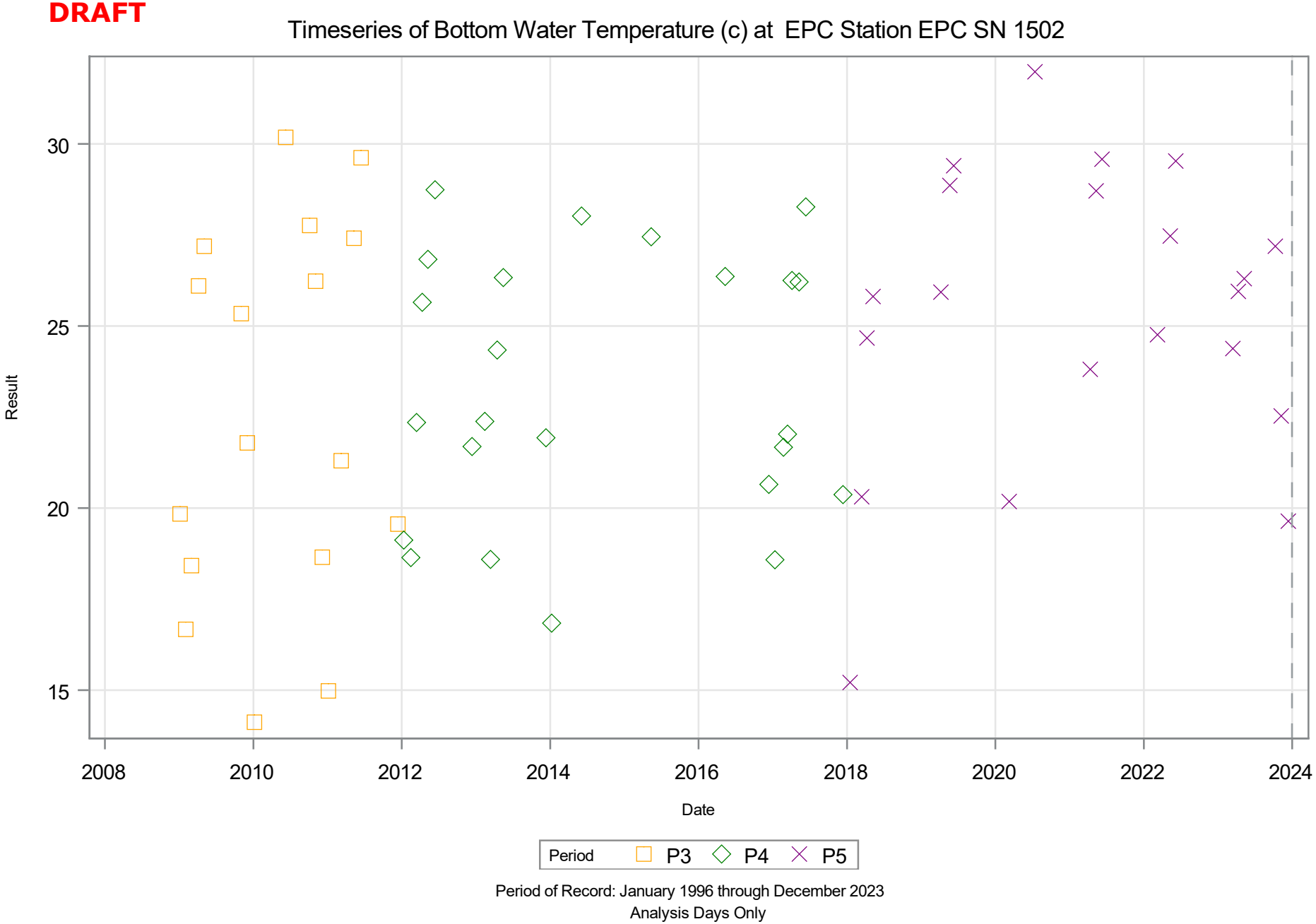
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	16.20	21.00	23.93	23.80	27.55	30.30
P2	44	14.72	20.25	23.54	23.97	27.86	30.52
P3	26	14.07	18.82	23.64	24.48	27.92	31.23
P4	24	14.67	21.10	24.25	23.95	27.96	30.24
P5	21	16.59	23.79	25.76	26.47	28.03	32.92

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 137
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1502
Result
30
25
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2008
2010
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2018
2020
2022
2024
Date
Period
P3
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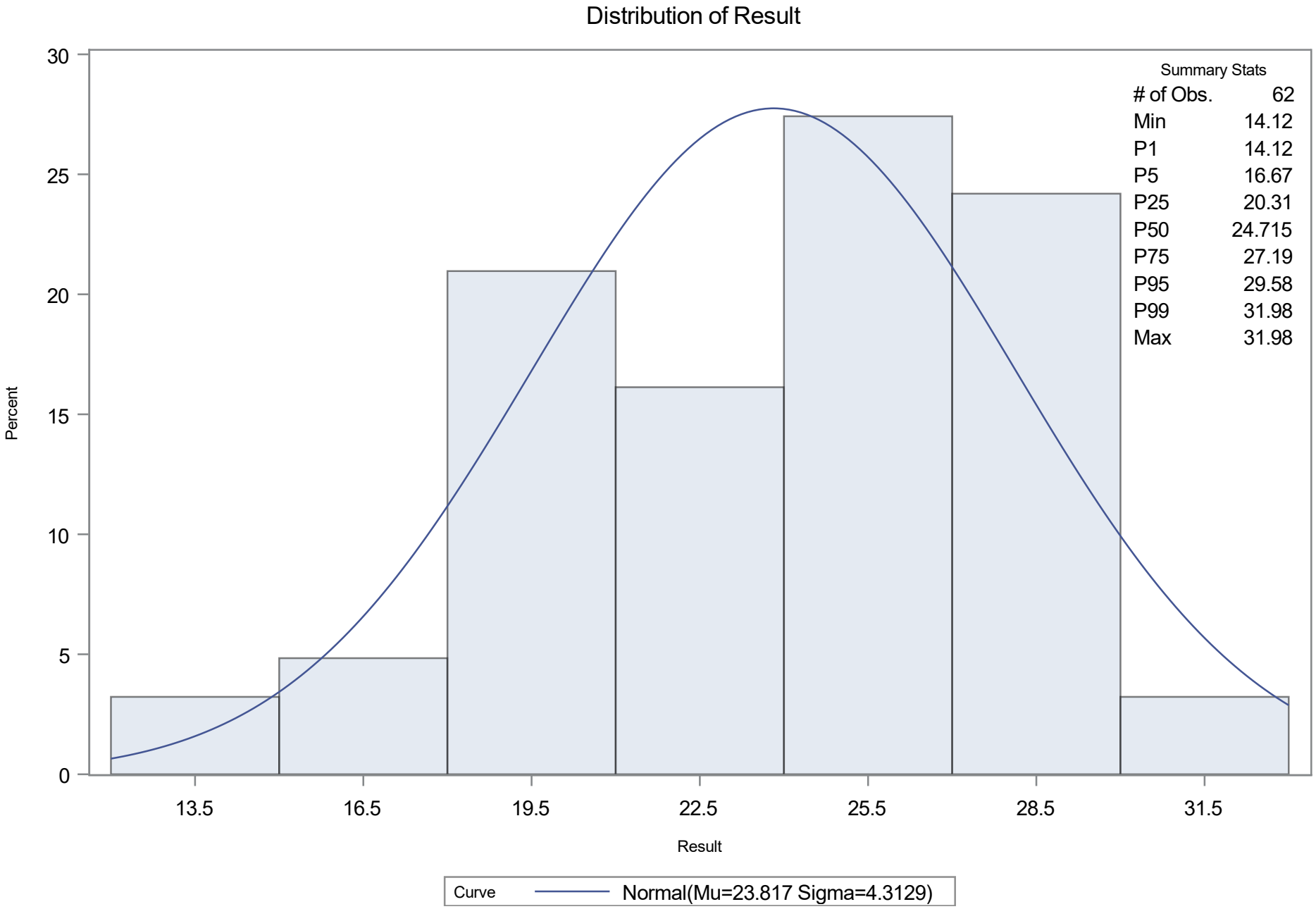
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.81694
Std Dev	Sigma	4.312931

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13232941	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.16698449	**Pr > W-Sq**	0.015
Anderson-Darling	**A-Sq**	0.89219831	**Pr > A-Sq**	0.022

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.1200	13.7836
5.0	16.6700	16.7228
10.0	18.5800	18.2897
25.0	20.3100	20.9079
50.0	24.7150	23.8169
75.0	27.1900	26.7260
90.0	28.8600	29.3442
95.0	29.5800	30.9111
99.0	31.9800	33.8503

Period of Record: January 1996 through December 2023
Analysis Days Only

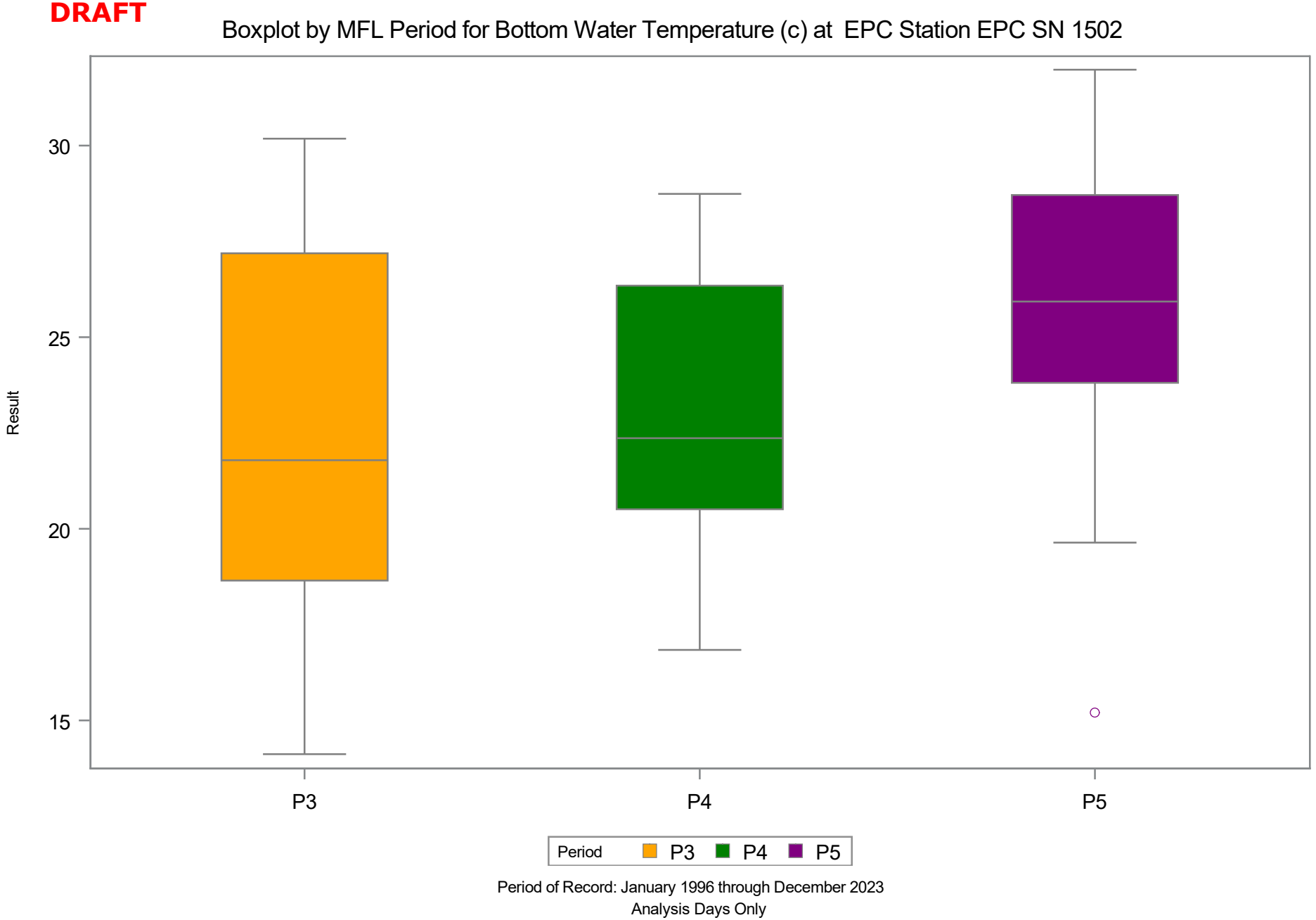
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1502

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.12	18.65	22.66	21.79	27.19	30.18
P4	24	16.84	20.51	23.30	22.37	26.35	28.74
P5	21	15.21	23.81	25.34	25.93	28.71	31.98

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1502
Result
30
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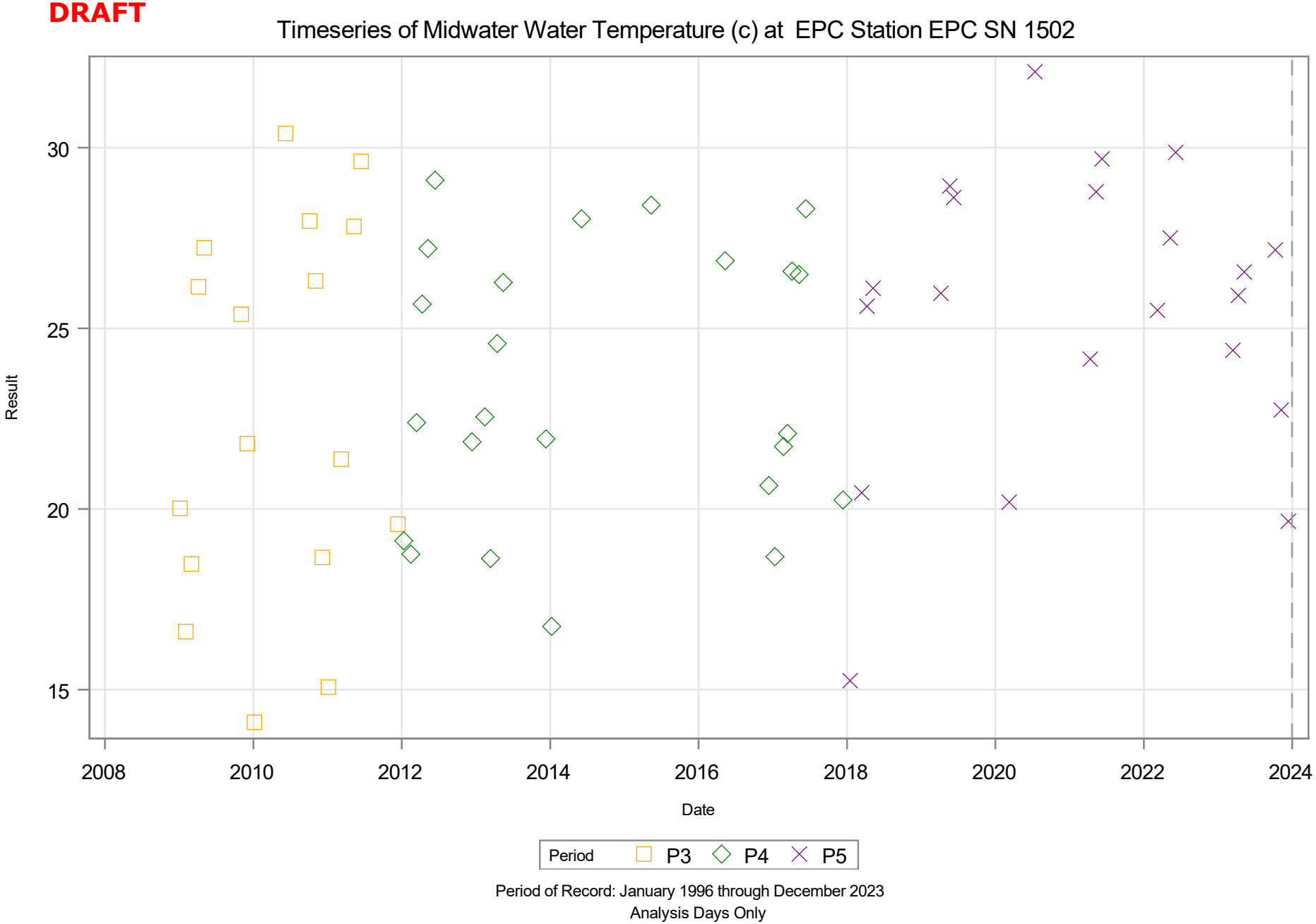
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1502
Result
30
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2008
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2012
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2016
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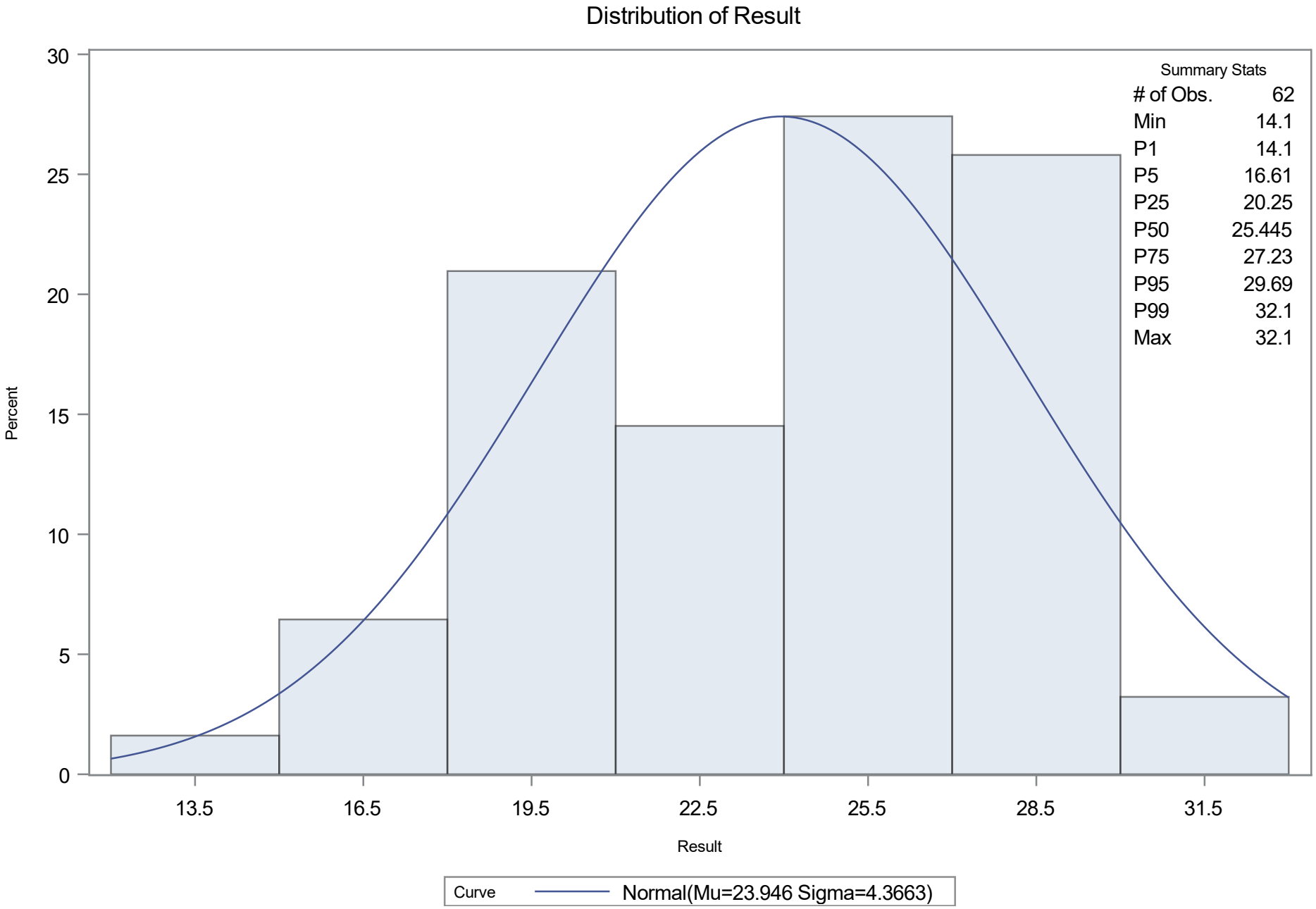
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.94613
Std Dev	Sigma	4.366285

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14568834	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.19319013	**Pr > W-Sq**	0.006
Anderson-Darling	**A-Sq**	1.02078855	**Pr > A-Sq**	0.010

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.1000	13.7886
5.0	16.6100	16.7642
10.0	18.6300	18.3505
25.0	20.2500	21.0011
50.0	25.4450	23.9461
75.0	27.2300	26.8911
90.0	28.9400	29.5417
95.0	29.6900	31.1280
99.0	32.1000	34.1036

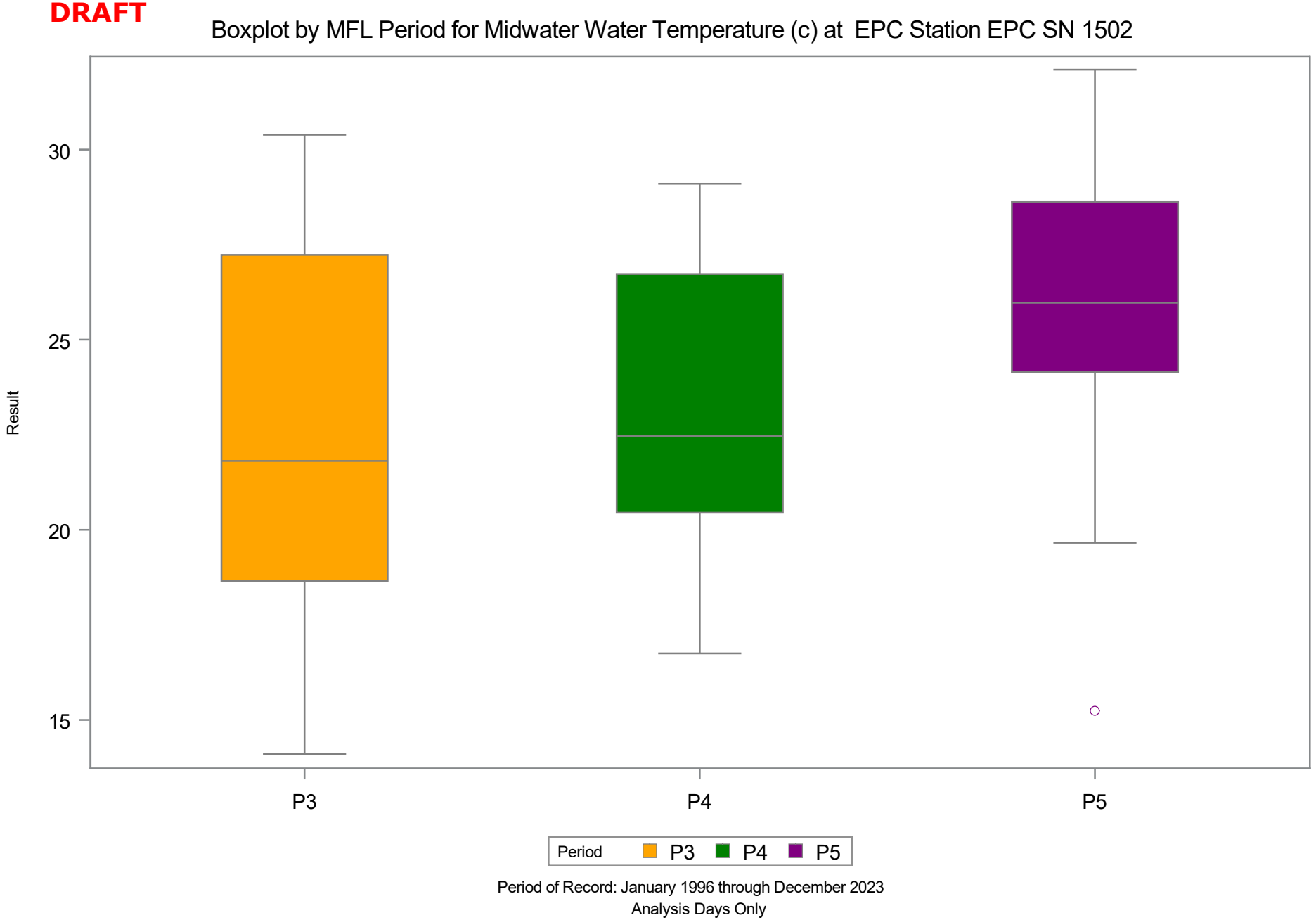
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1502**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.10	18.66	22.74	21.81	27.23	30.39
P4	24	16.75	20.45	23.45	22.47	26.73	29.10
P5	21	15.25	24.15	25.48	25.97	28.62	32.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1502
Result
30
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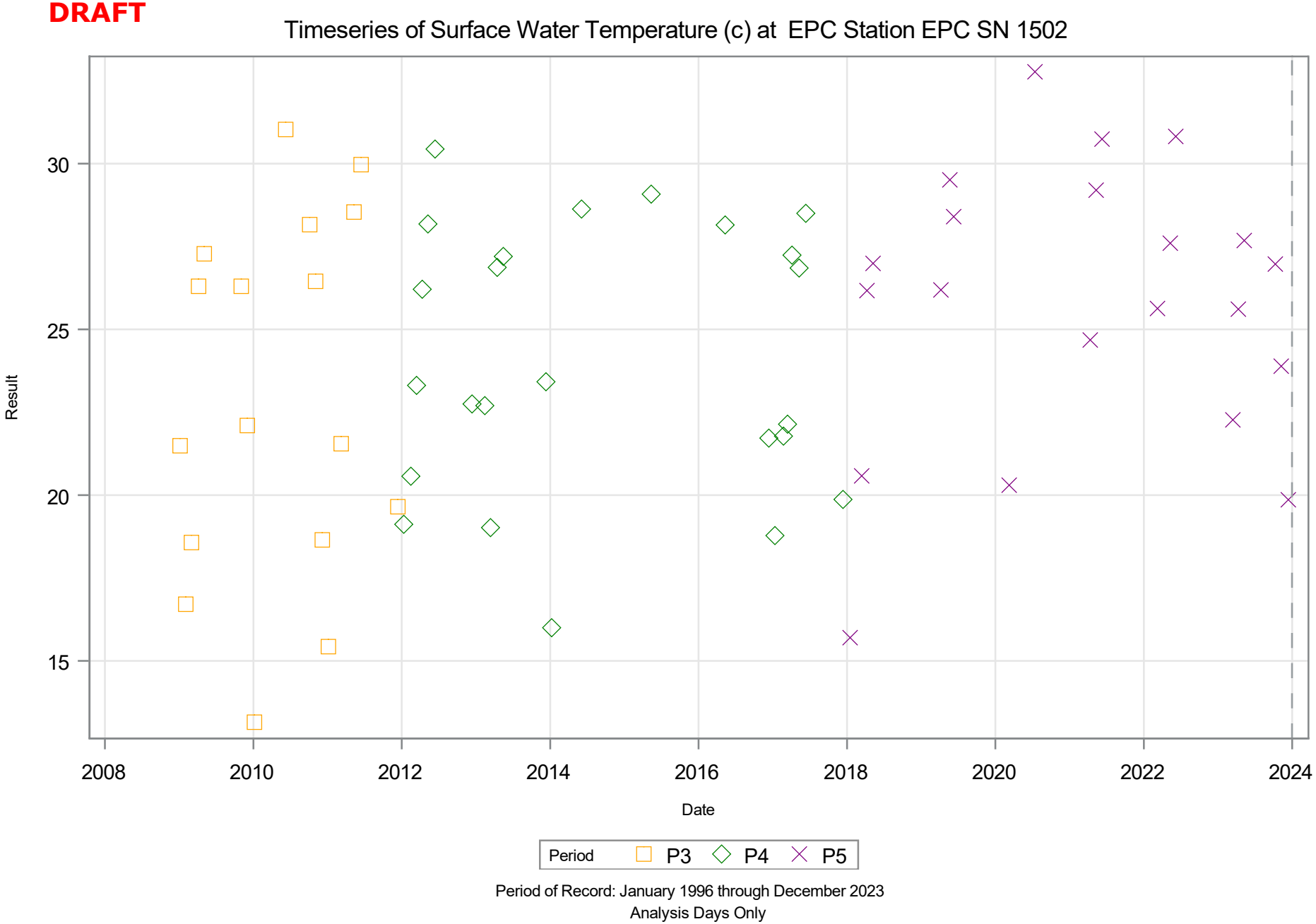
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1502
Result
30
25
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2008
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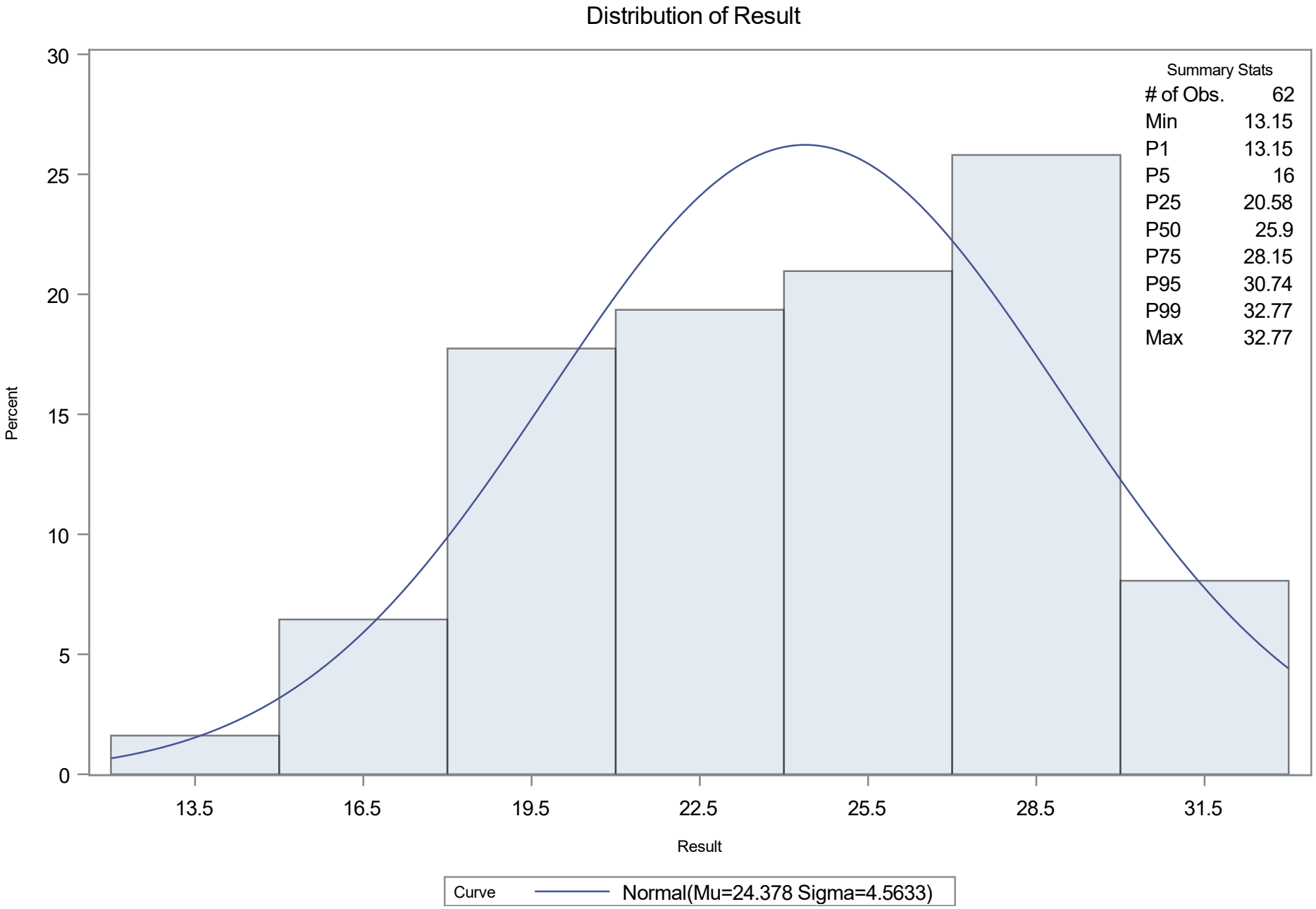
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1502

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.37774
Std Dev	Sigma	4.563254

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15275119	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18073585	**Pr > W-Sq**	0.009
Anderson-Darling	**A-Sq**	0.94880959	**Pr > A-Sq**	0.017

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.1500	13.7620
5.0	16.0000	16.8719
10.0	18.6500	18.5297
25.0	20.5800	21.2999
50.0	25.9000	24.3777
75.0	28.1500	27.4556
90.0	29.5100	30.2258
95.0	30.7400	31.8836
99.0	32.7700	34.9935

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

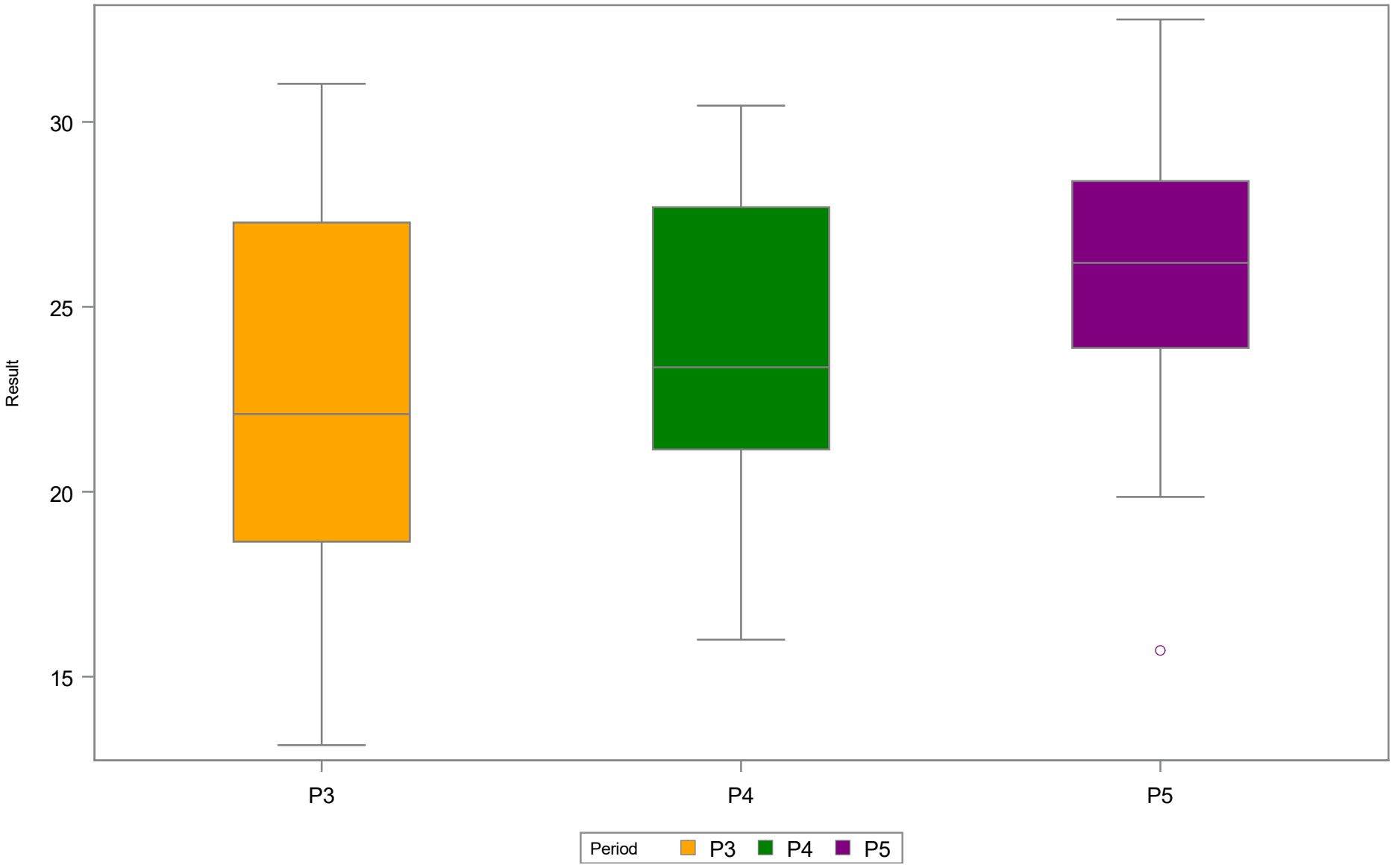
Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1502

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	13.15	18.65	23.02	22.10	27.28	31.03
P4	24	16.00	21.15	24.11	23.37	27.70	30.44
P5	21	15.70	23.89	25.79	26.19	28.40	32.77

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1502



Period of Record: January 1996 through December 2023
Analysis Days Only

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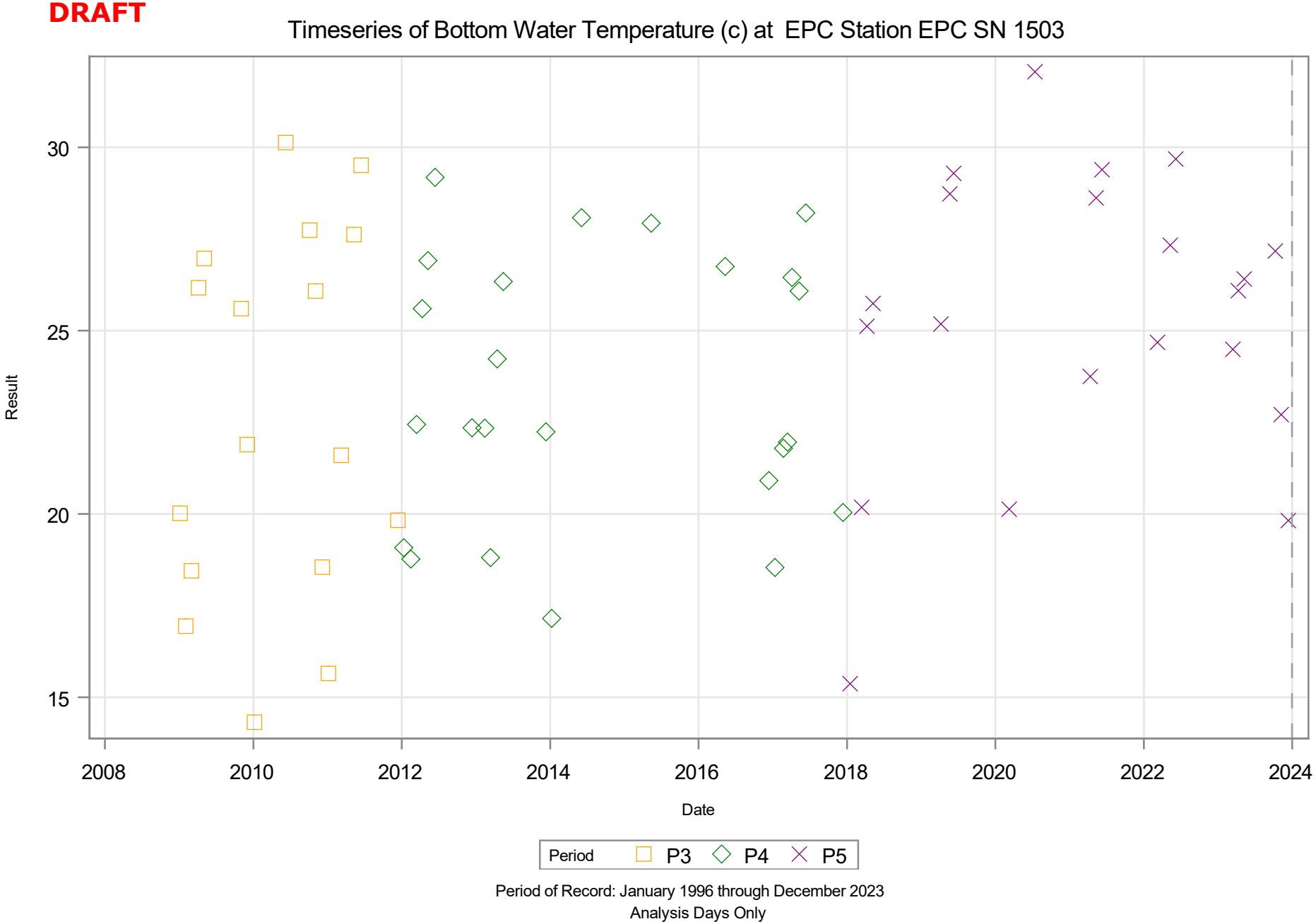
Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1503
Result
30
25
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2008
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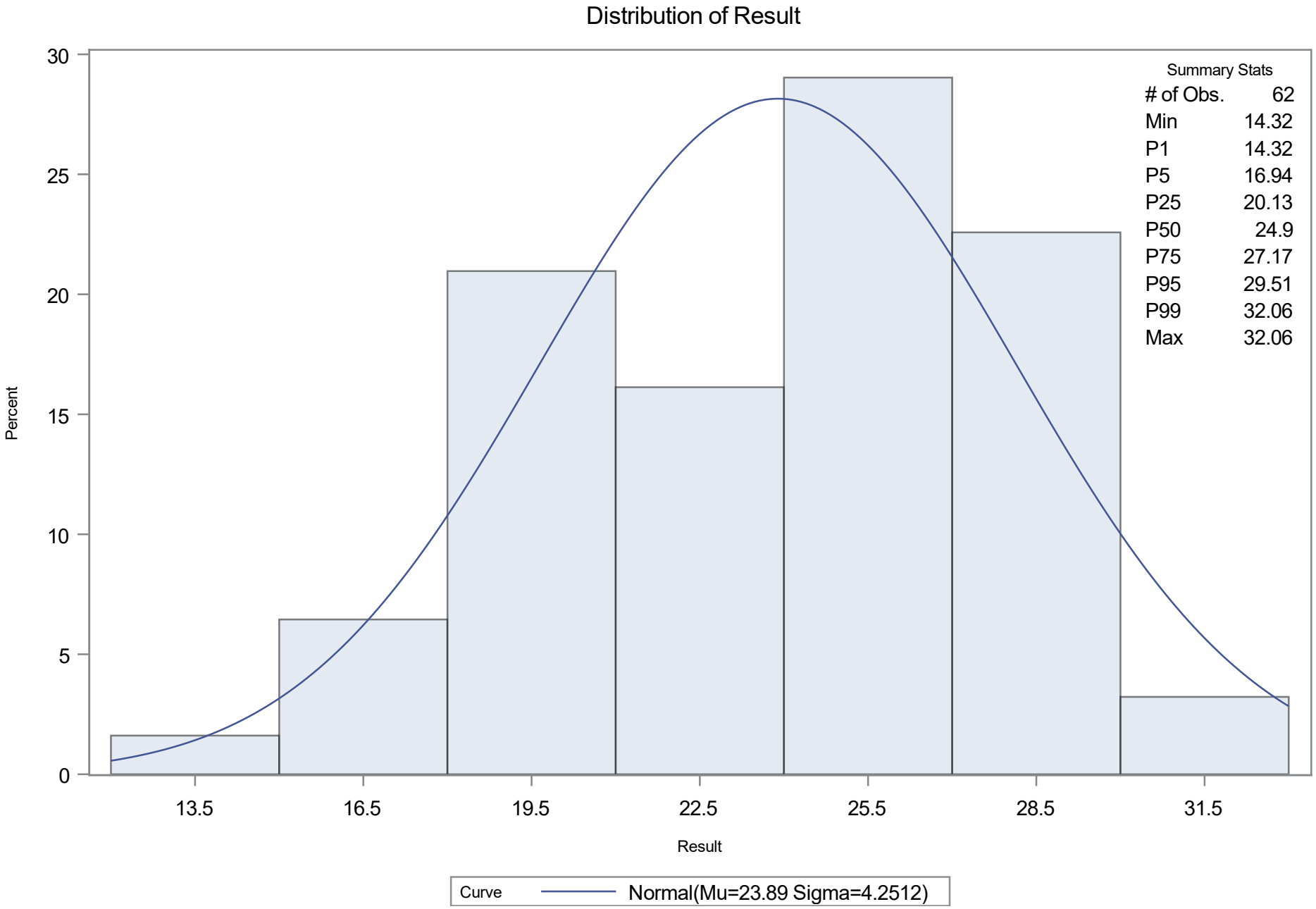
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.89016
Std Dev	Sigma	4.251206

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12397384	**Pr > D**	0.019
Cramer-von Mises	**W-Sq**	0.15530200	**Pr > W-Sq**	0.021
Anderson-Darling	**A-Sq**	0.84377619	**Pr > A-Sq**	0.029

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.3200	14.0004
5.0	16.9400	16.8976
10.0	18.5400	18.4420
25.0	20.1300	21.0228
50.0	24.9000	23.8902
75.0	27.1700	26.7576
90.0	29.1800	29.3383
95.0	29.5100	30.8828
99.0	32.0600	33.7799

Period of Record: January 1996 through December 2023
Analysis Days Only

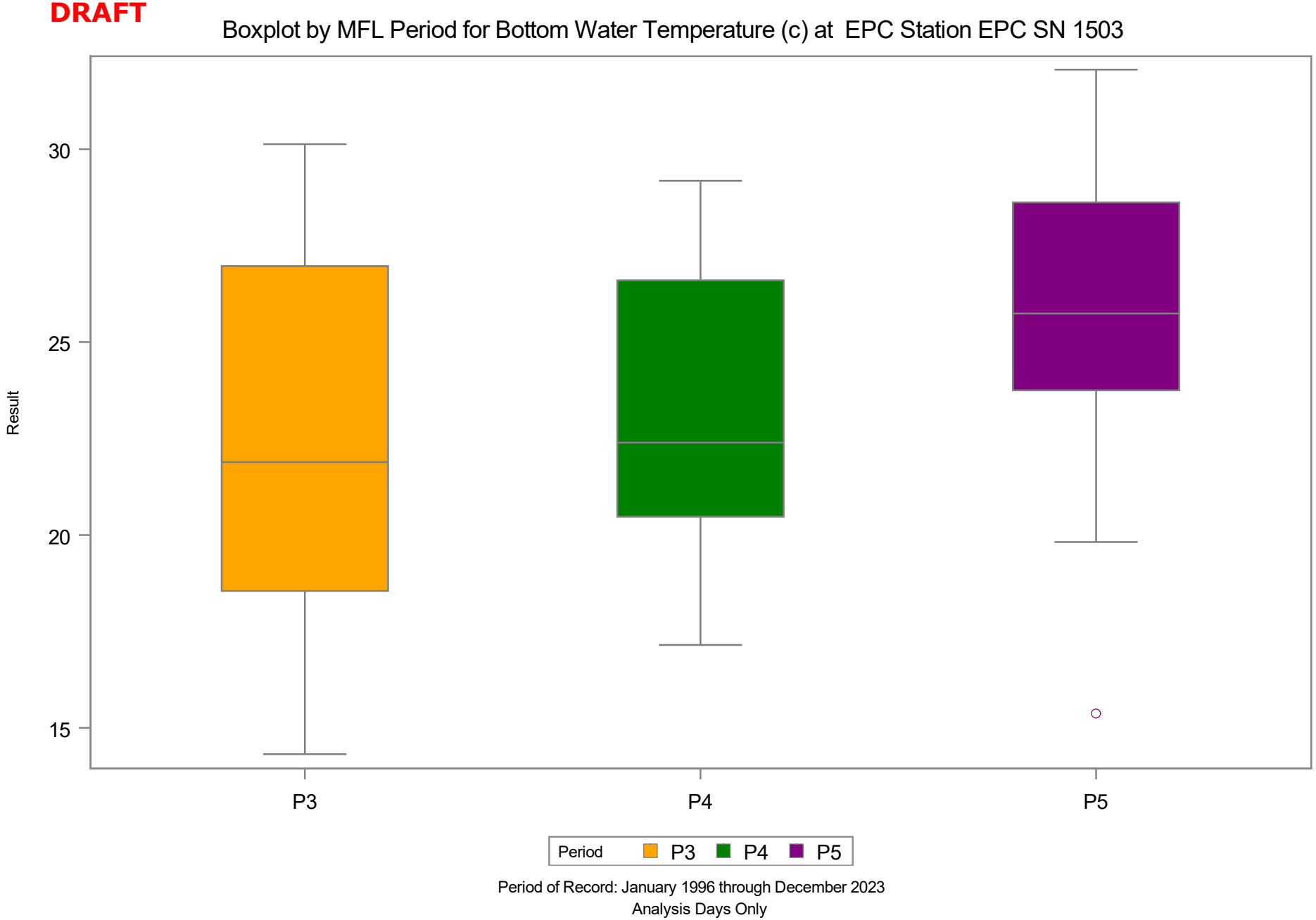
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.32	18.55	22.77	21.89	26.97	30.13
P4	24	17.15	20.48	23.42	22.40	26.60	29.18
P5	21	15.37	23.75	25.33	25.74	28.62	32.06

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1503
Result
30
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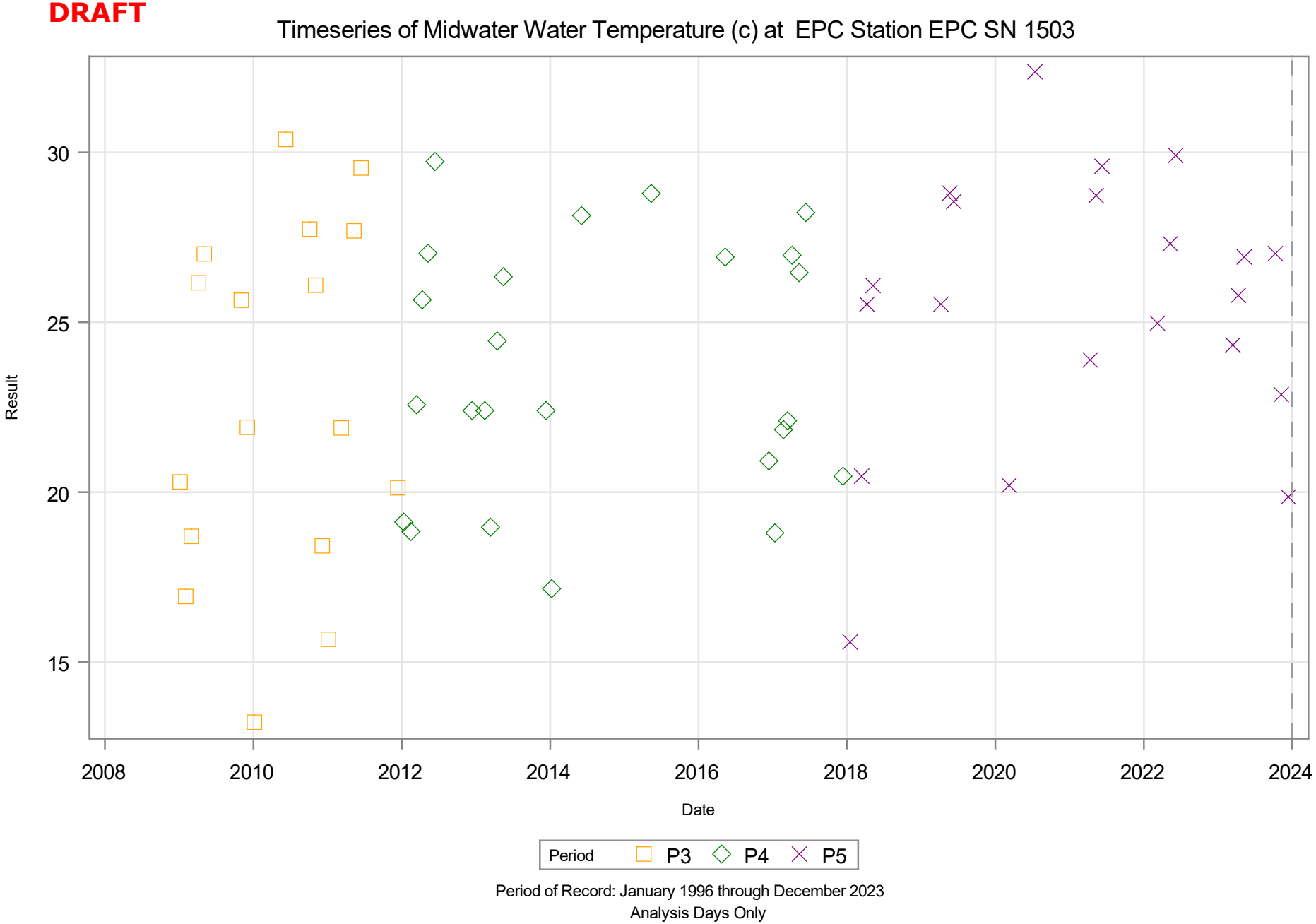
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1503
Result
30
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2008
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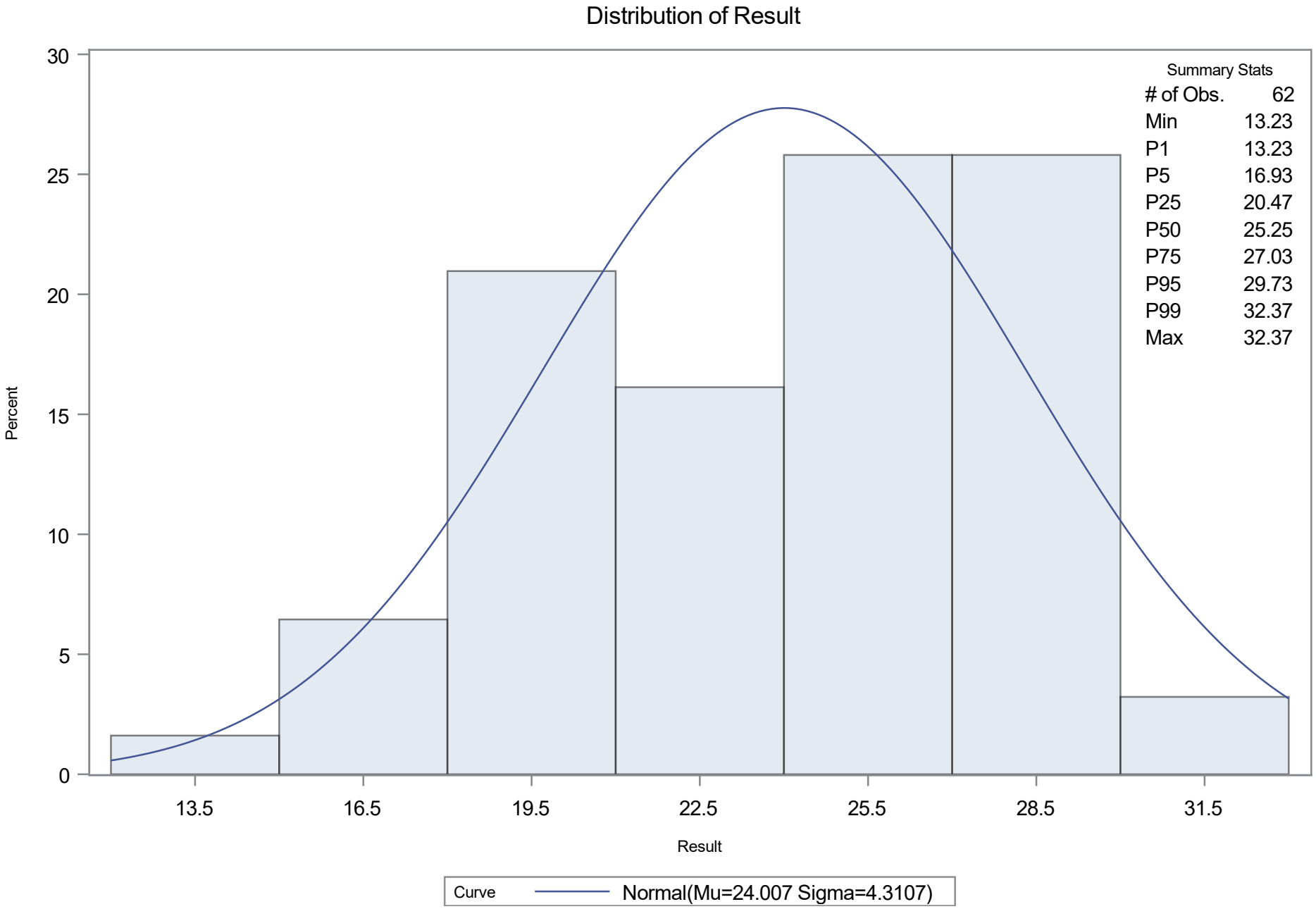
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.00742
Std Dev	Sigma	4.310683

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13803487	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.15329369	**Pr > W-Sq**	0.022
Anderson-Darling	**A-Sq**	0.81692146	**Pr > A-Sq**	0.034

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.2300	13.9793
5.0	16.9300	16.9170
10.0	18.7000	18.4831
25.0	20.4700	21.0999
50.0	25.2500	24.0074
75.0	27.0300	26.9149
90.0	28.8000	29.5318
95.0	29.7300	31.0979
99.0	32.3700	34.0356

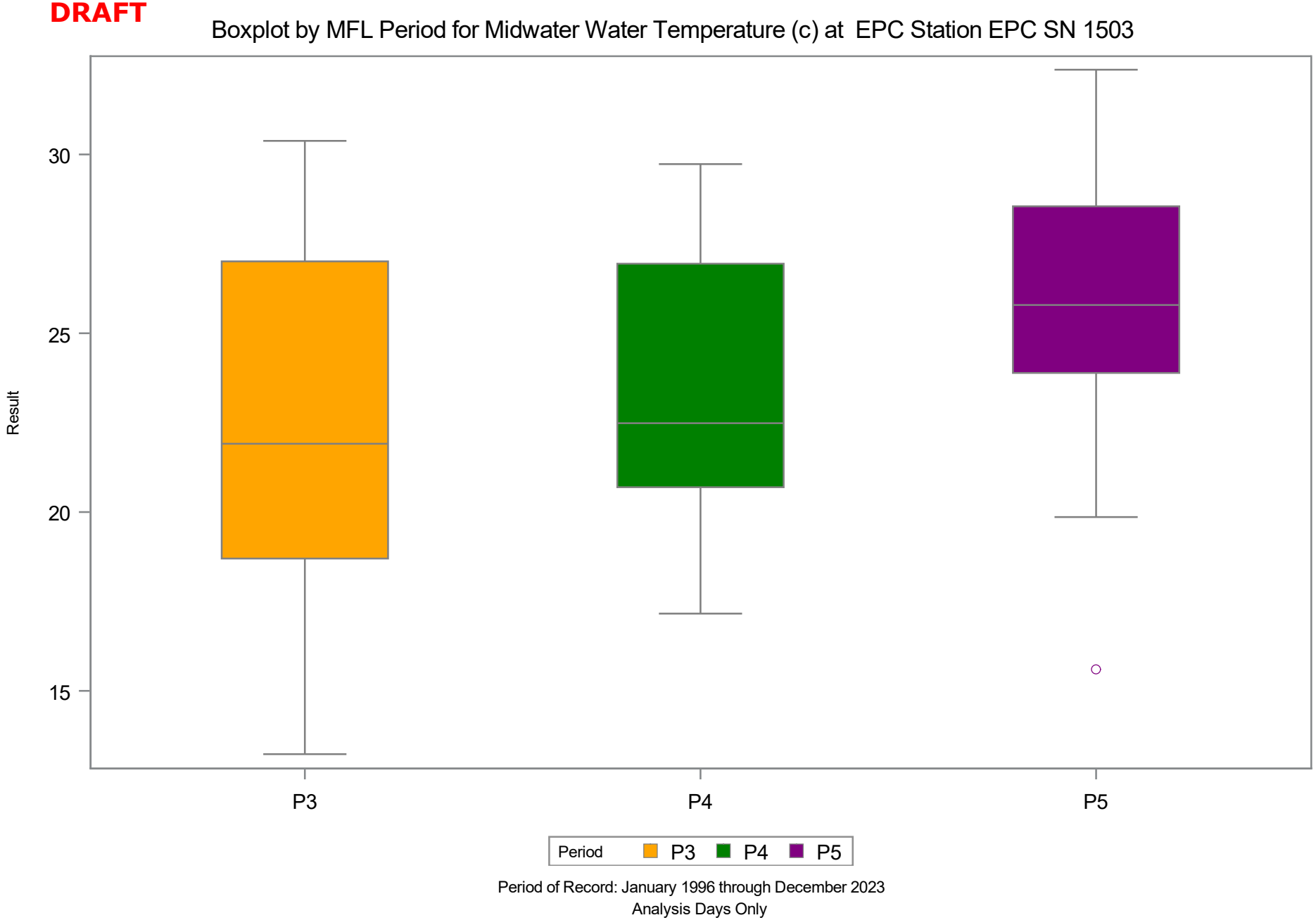
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1503**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	13.23	18.70	22.79	21.91	27.01	30.38
P4	24	17.16	20.70	23.61	22.49	26.95	29.73
P5	21	15.59	23.89	25.44	25.79	28.55	32.37

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1503
Result
30
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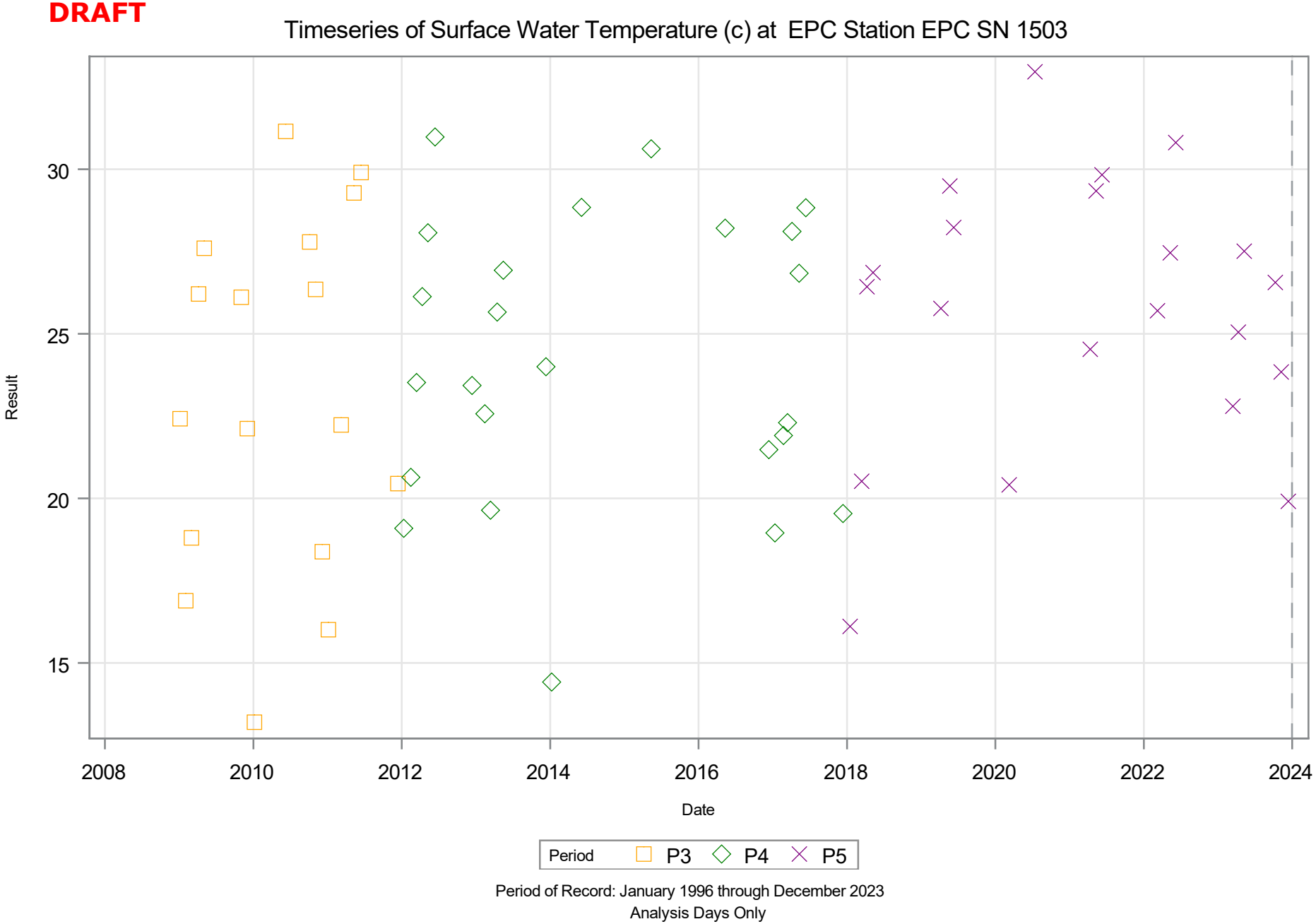
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1503
Result
30
25
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2008
2010
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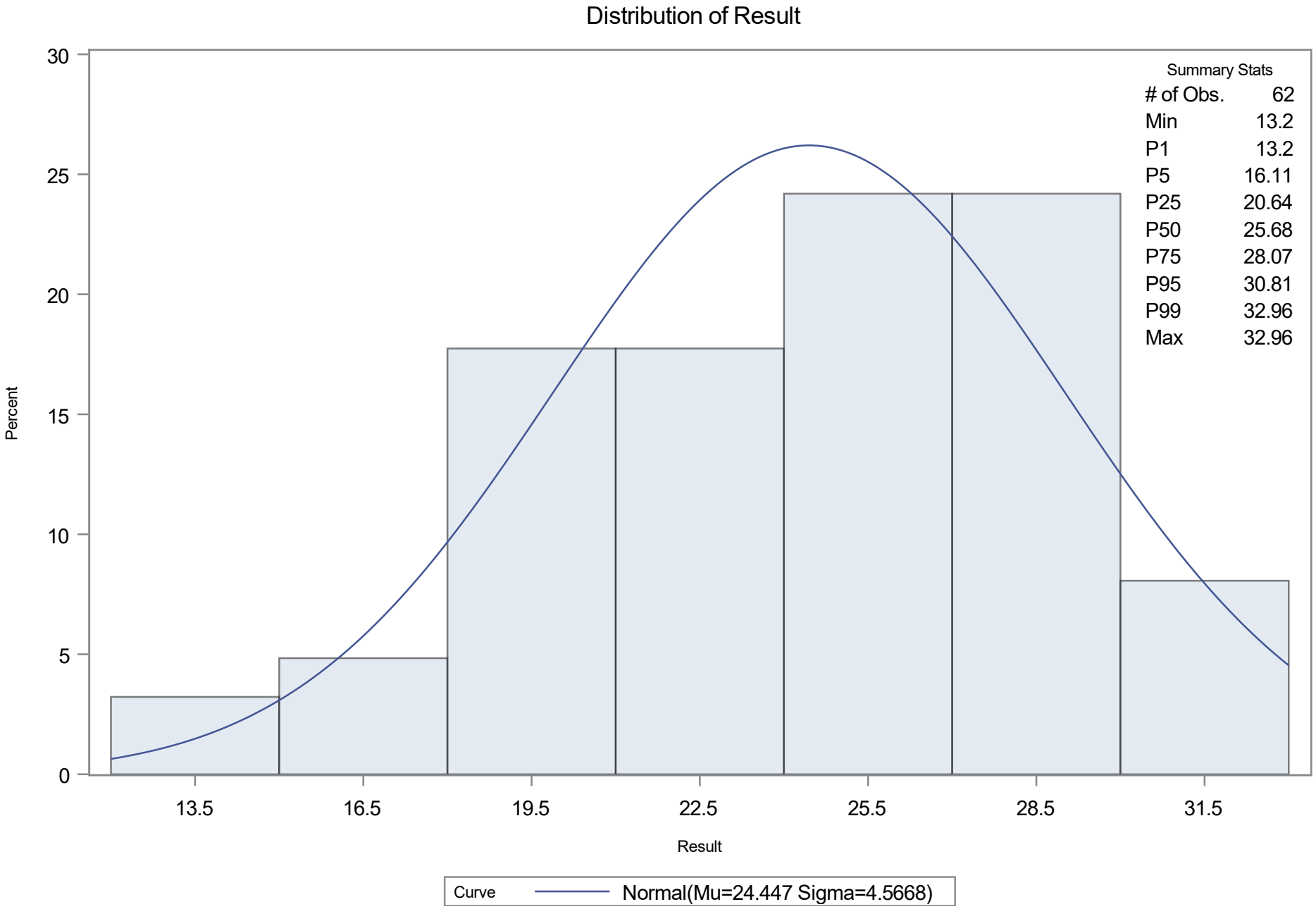
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1503



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1503

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.4471
Std Dev	Sigma	4.566823

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12085159	**Pr > D**	0.023
Cramer-von Mises	**W-Sq**	0.11144616	**Pr > W-Sq**	0.081
Anderson-Darling	**A-Sq**	0.62464643	**Pr > A-Sq**	0.099

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.2000	13.8231
5.0	16.1100	16.9353
10.0	18.8000	18.5945
25.0	20.6400	21.3668
50.0	25.6800	24.4471
75.0	28.0700	27.5274
90.0	29.8300	30.2997
95.0	30.8100	31.9589
99.0	32.9600	35.0711

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1503

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	13.20	18.80	23.23	22.42	27.60	31.15
P4	24	14.42	21.06	24.20	23.76	28.09	30.98
P5	21	16.11	23.84	25.72	26.43	28.23	32.96

Period of Record: January 1996 through December 2023
Analysis Days Only

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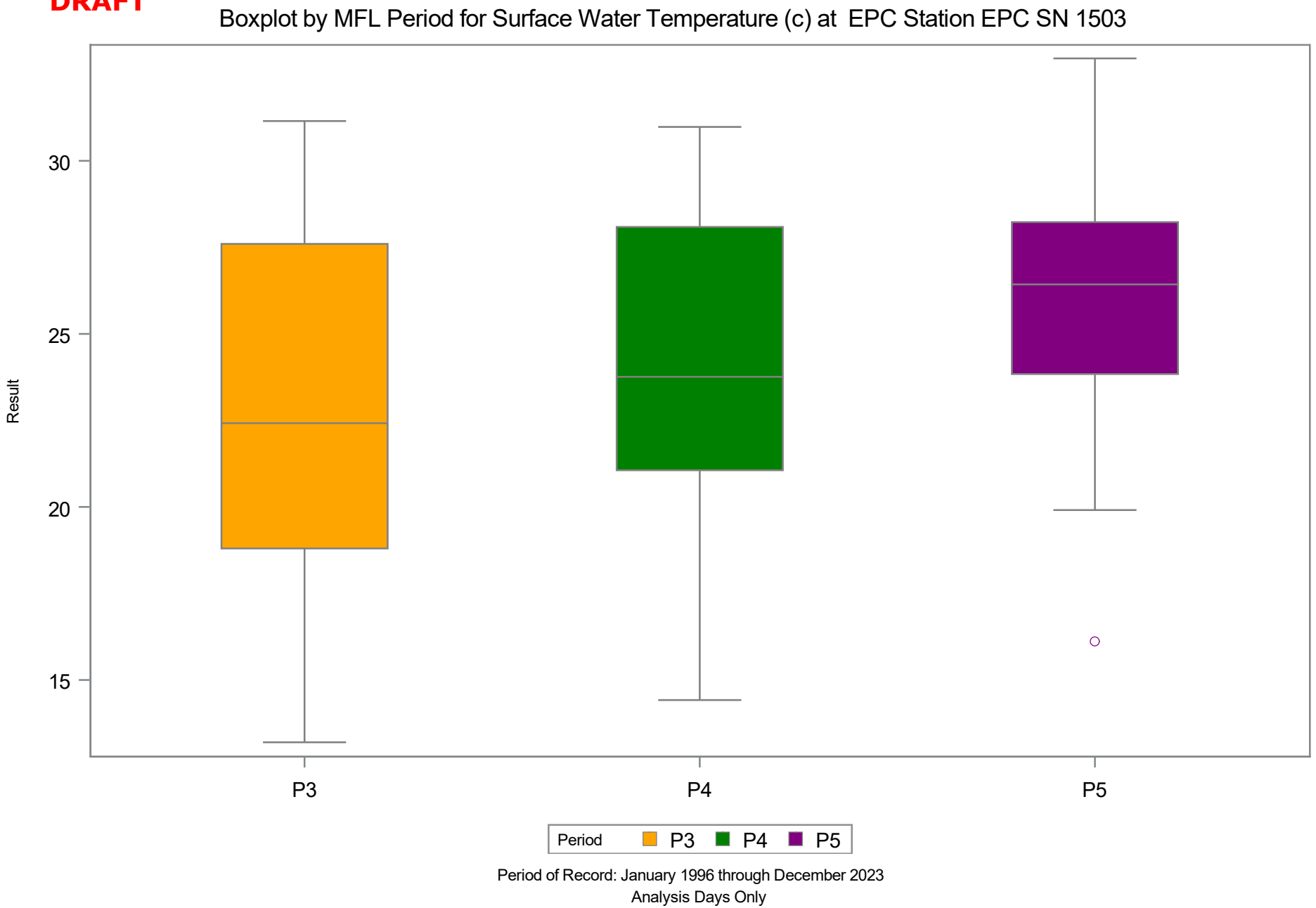
Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1503
Result
30
25
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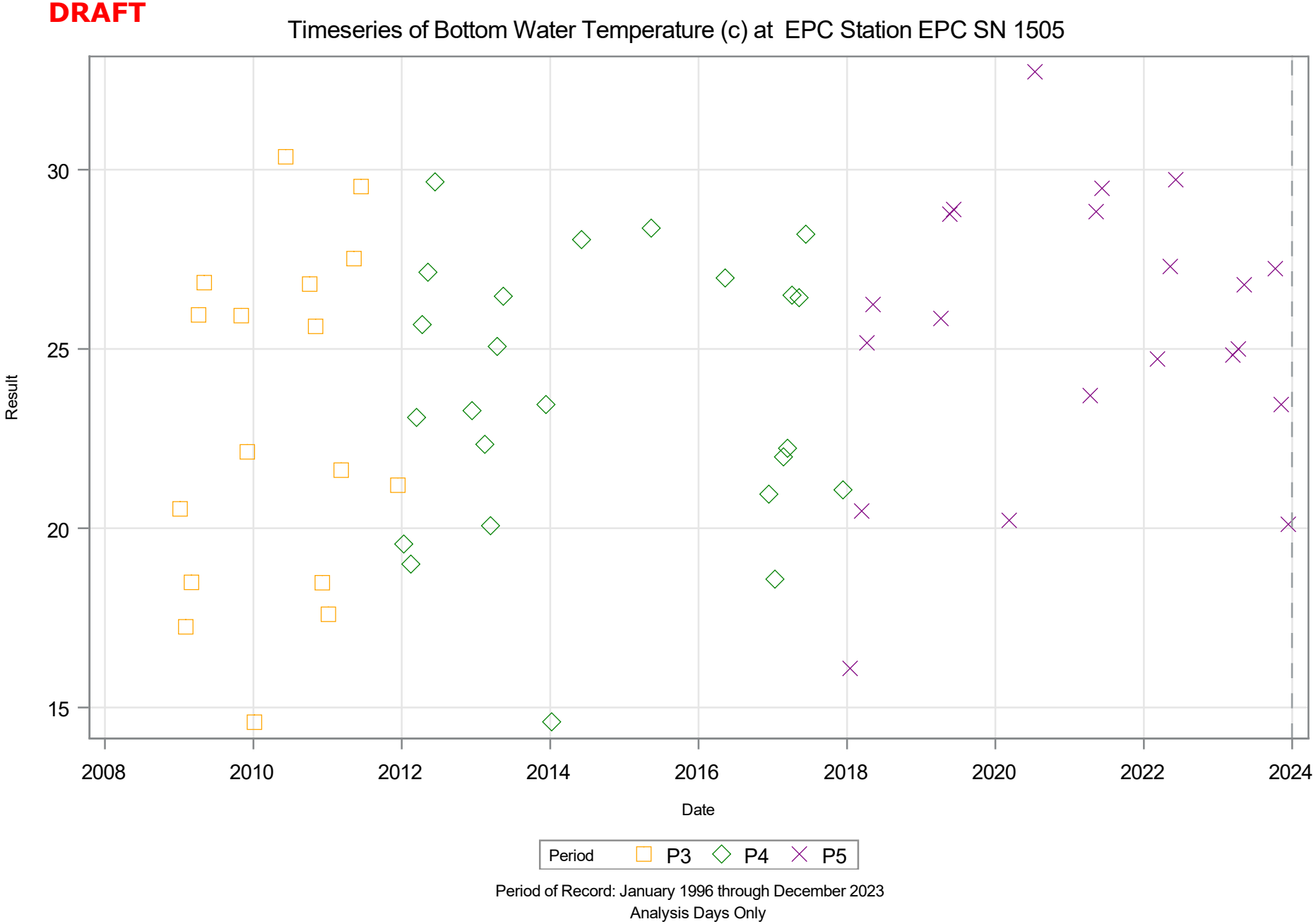
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1505
Result
30
25
20
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2008
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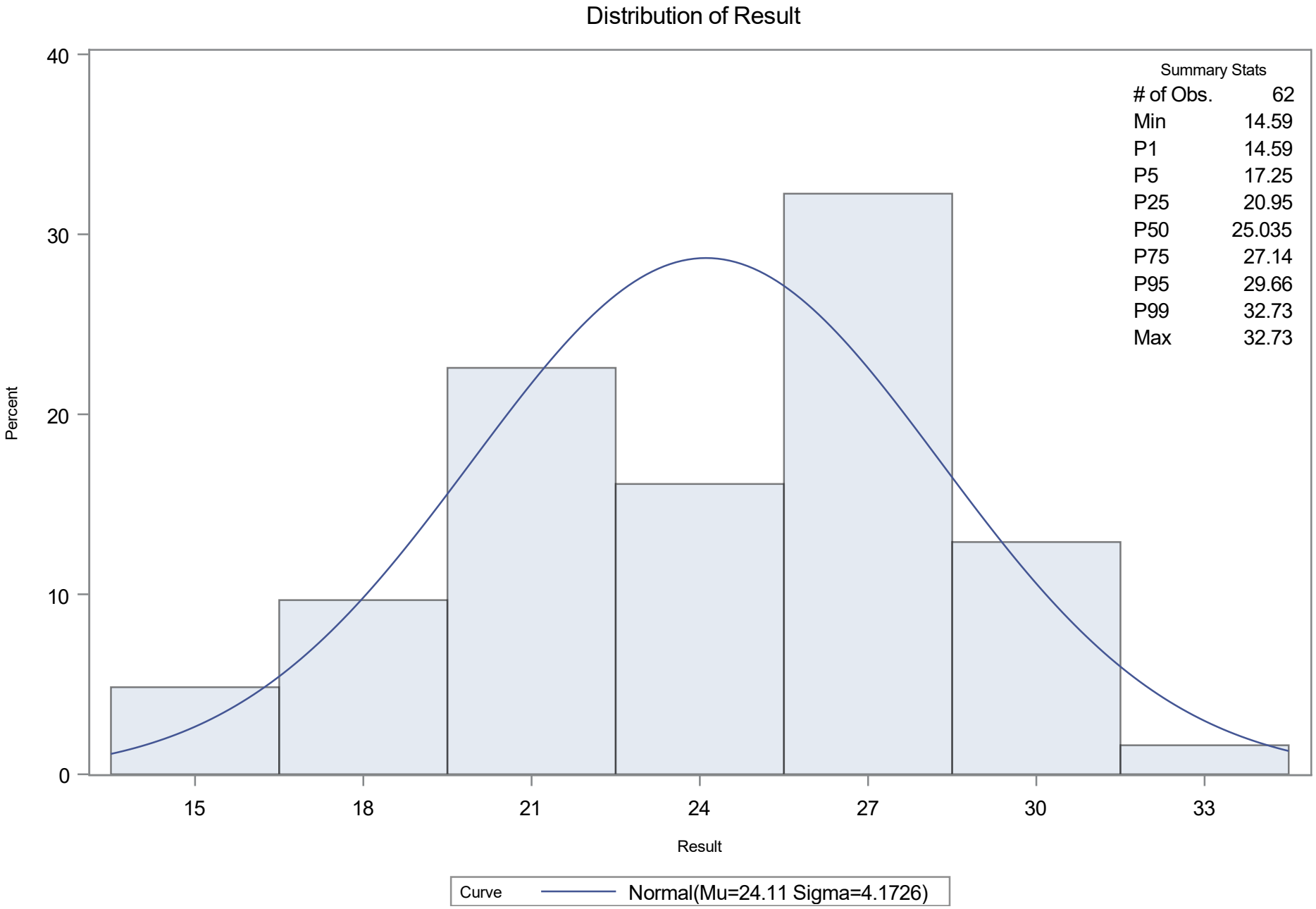
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.11032
Std Dev	Sigma	4.172629

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10988812	**Pr > D**	0.062
Cramer-von Mises	**W-Sq**	0.12105166	**Pr > W-Sq**	0.059
Anderson-Darling	**A-Sq**	0.65839082	**Pr > A-Sq**	0.085

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.5900	14.4033
5.0	17.2500	17.2470
10.0	18.4900	18.7629
25.0	20.9500	21.2959
50.0	25.0350	24.1103
75.0	27.1400	26.9247
90.0	28.8900	29.4578
95.0	29.6600	30.9737
99.0	32.7300	33.8173

Period of Record: January 1996 through December 2023
Analysis Days Only

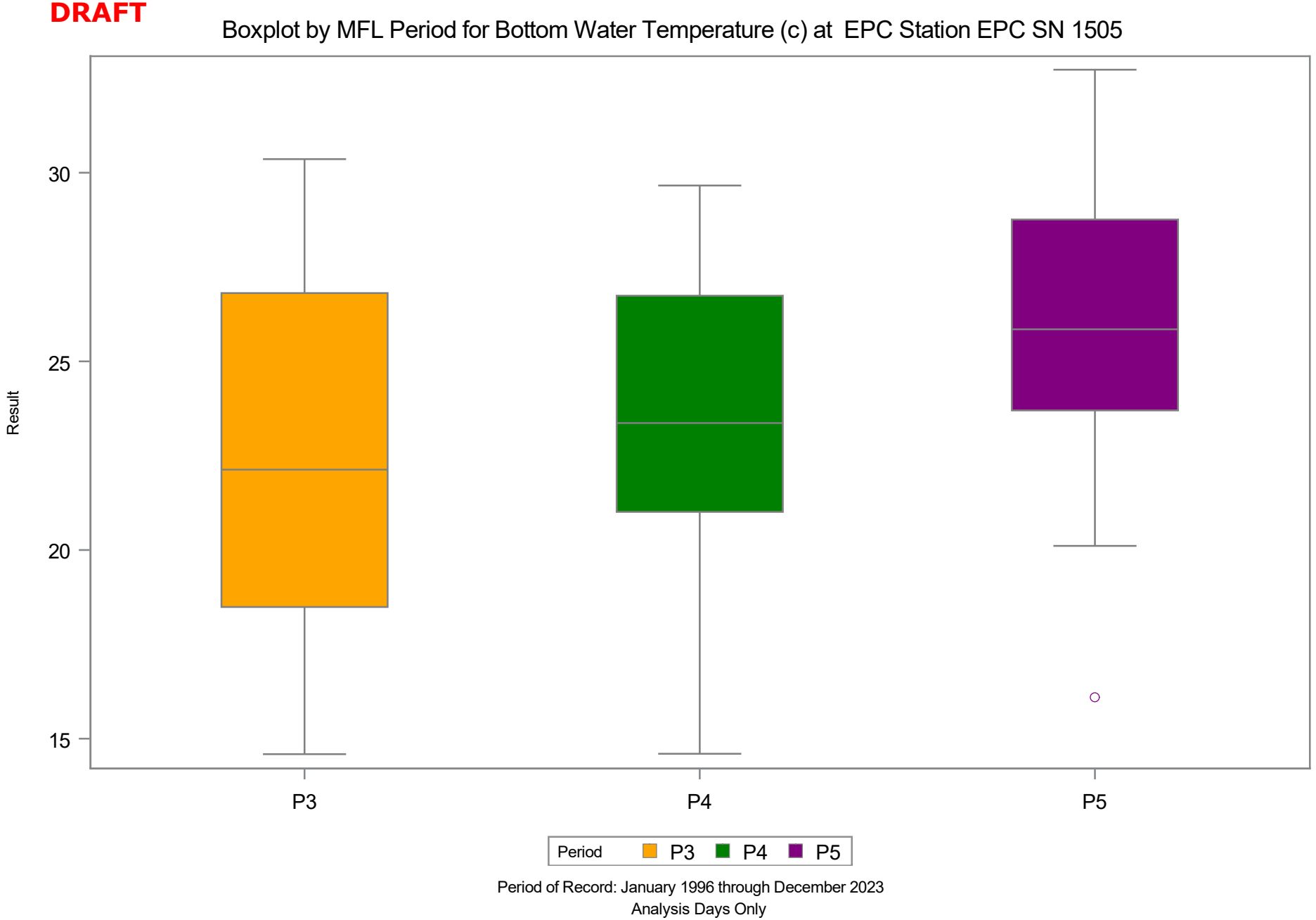
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.59	18.49	22.97	22.13	26.81	30.36
P4	24	14.60	21.01	23.70	23.37	26.74	29.66
P5	21	16.09	23.70	25.50	25.85	28.76	32.73

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1505
Result
30
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P3
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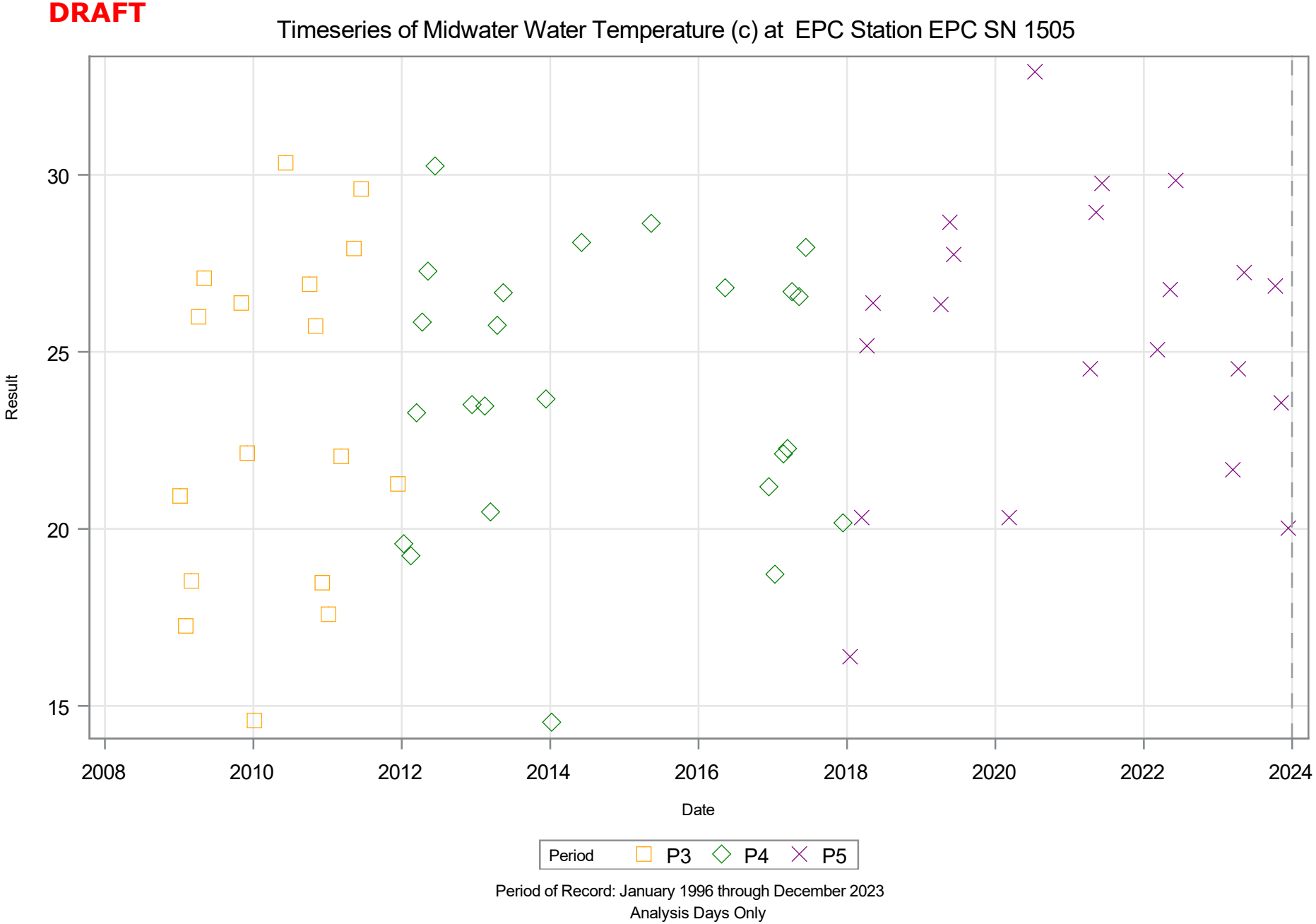
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1505
Result
30
25
20
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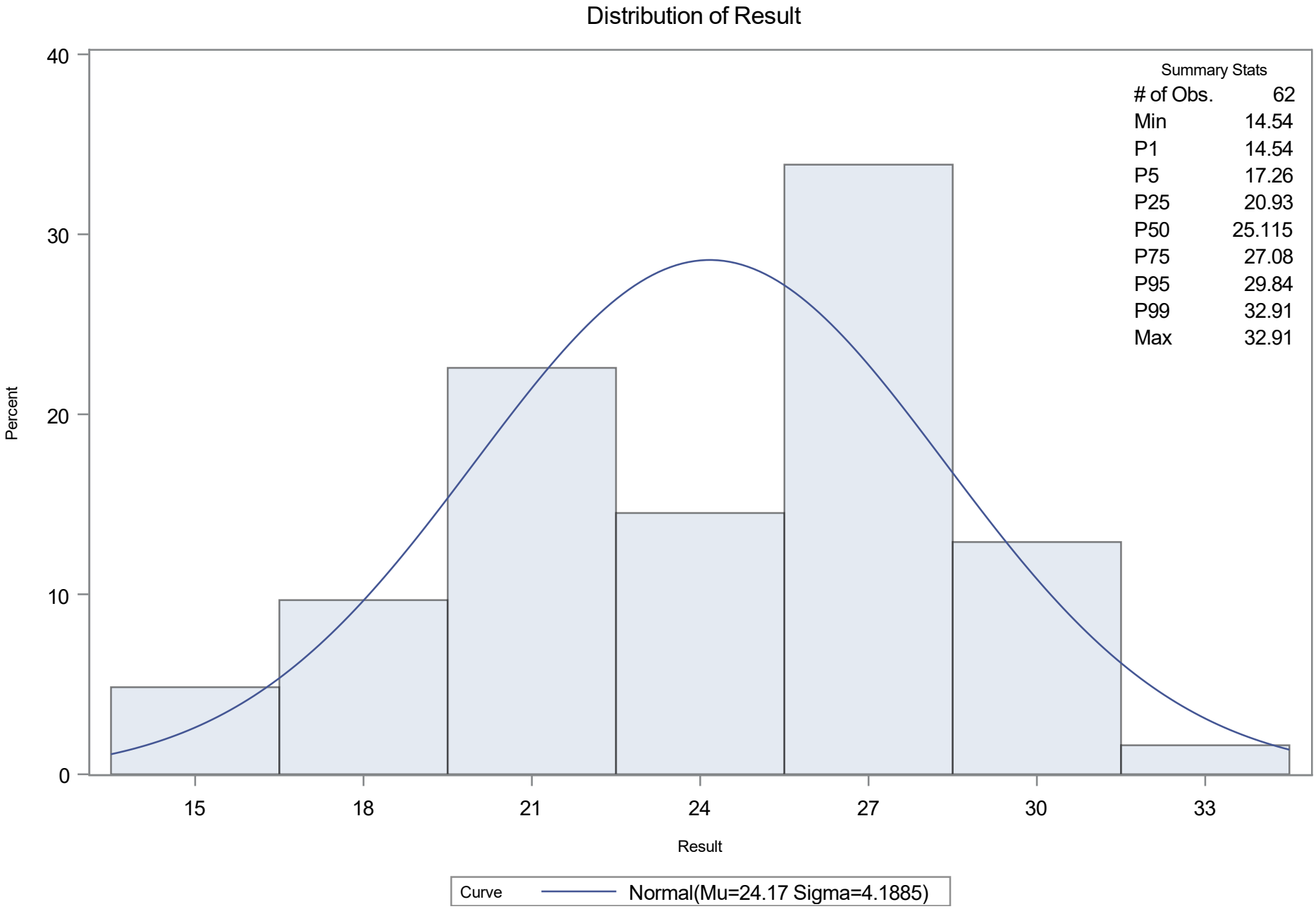
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.17016
Std Dev	Sigma	4.188538

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12907587	**Pr > D**	0.011
Cramer-von Mises	**W-Sq**	0.14018875	**Pr > W-Sq**	0.033
Anderson-Darling	**A-Sq**	0.73410597	**Pr > A-Sq**	0.054

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.5400	14.4262
5.0	17.2600	17.2806
10.0	18.5300	18.8023
25.0	20.9300	21.3450
50.0	25.1150	24.1702
75.0	27.0800	26.9953
90.0	28.9400	29.5380
95.0	29.8400	31.0597
99.0	32.9100	33.9142

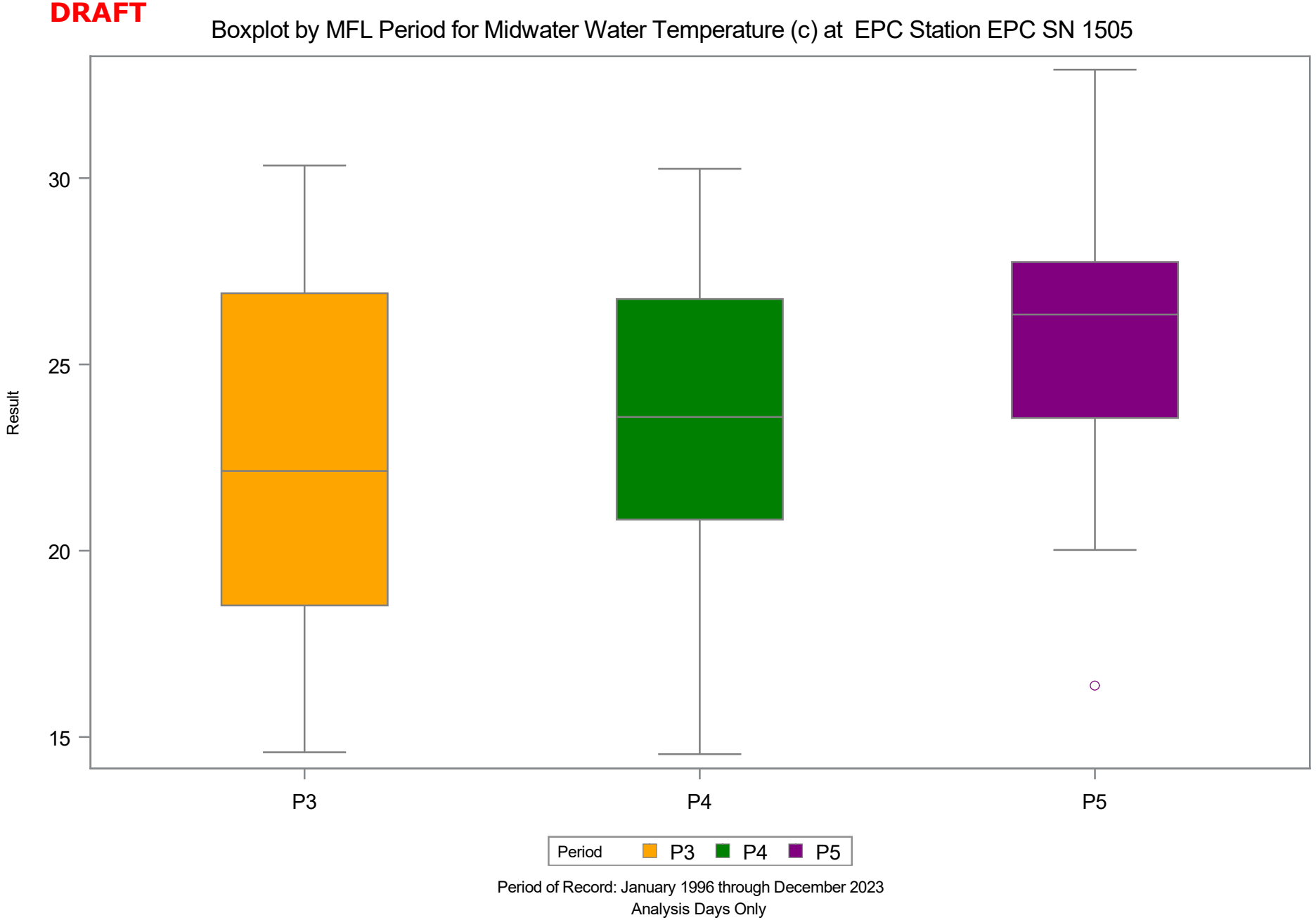
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1505**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.59	18.53	23.11	22.14	26.91	30.34
P4	24	14.54	20.84	23.87	23.59	26.76	30.25
P5	21	16.39	23.56	25.38	26.34	27.75	32.91

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1505
Result
30
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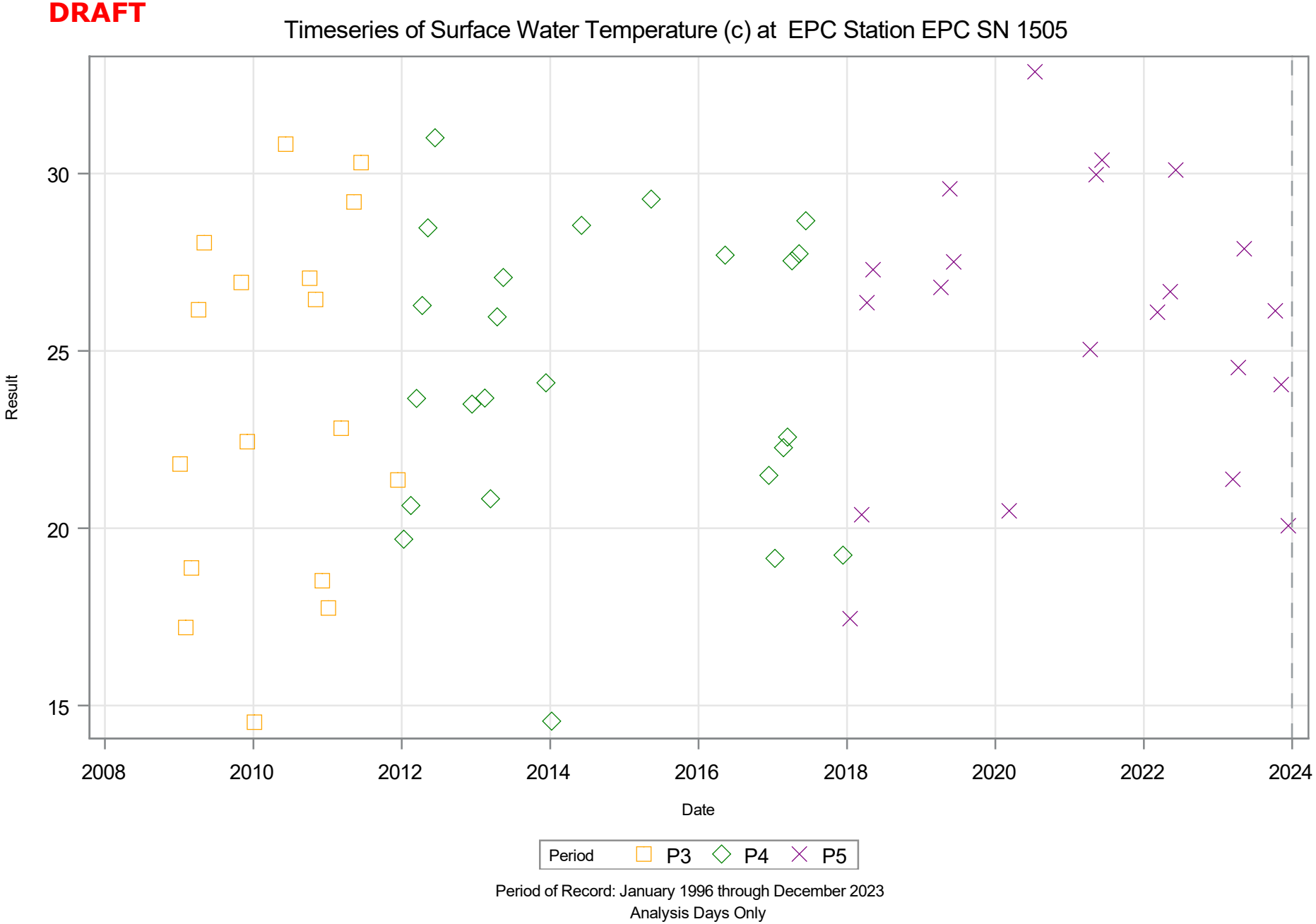
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1505
Result
30
25
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2008
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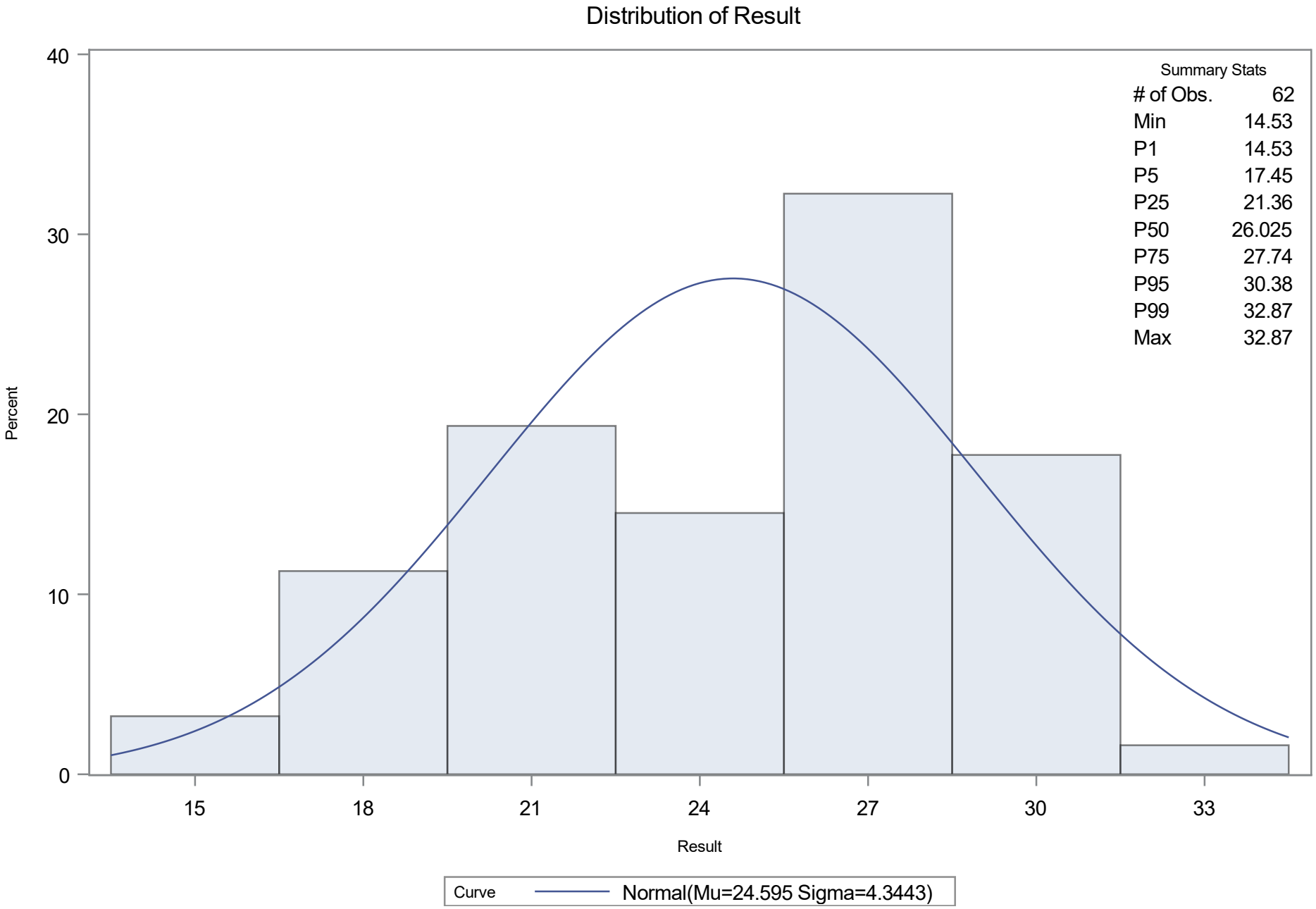
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1505

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.59548
Std Dev	Sigma	4.344333

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13940309	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.13515291	**Pr > W-Sq**	0.038
Anderson-Darling	**A-Sq**	0.72296172	**Pr > A-Sq**	0.058

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.5300	14.4891
5.0	17.4500	17.4497
10.0	18.8800	19.0280
25.0	21.3600	21.6653
50.0	26.0250	24.5955
75.0	27.7400	27.5257
90.0	29.9700	30.1630
95.0	30.3800	31.7413
99.0	32.8700	34.7019

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

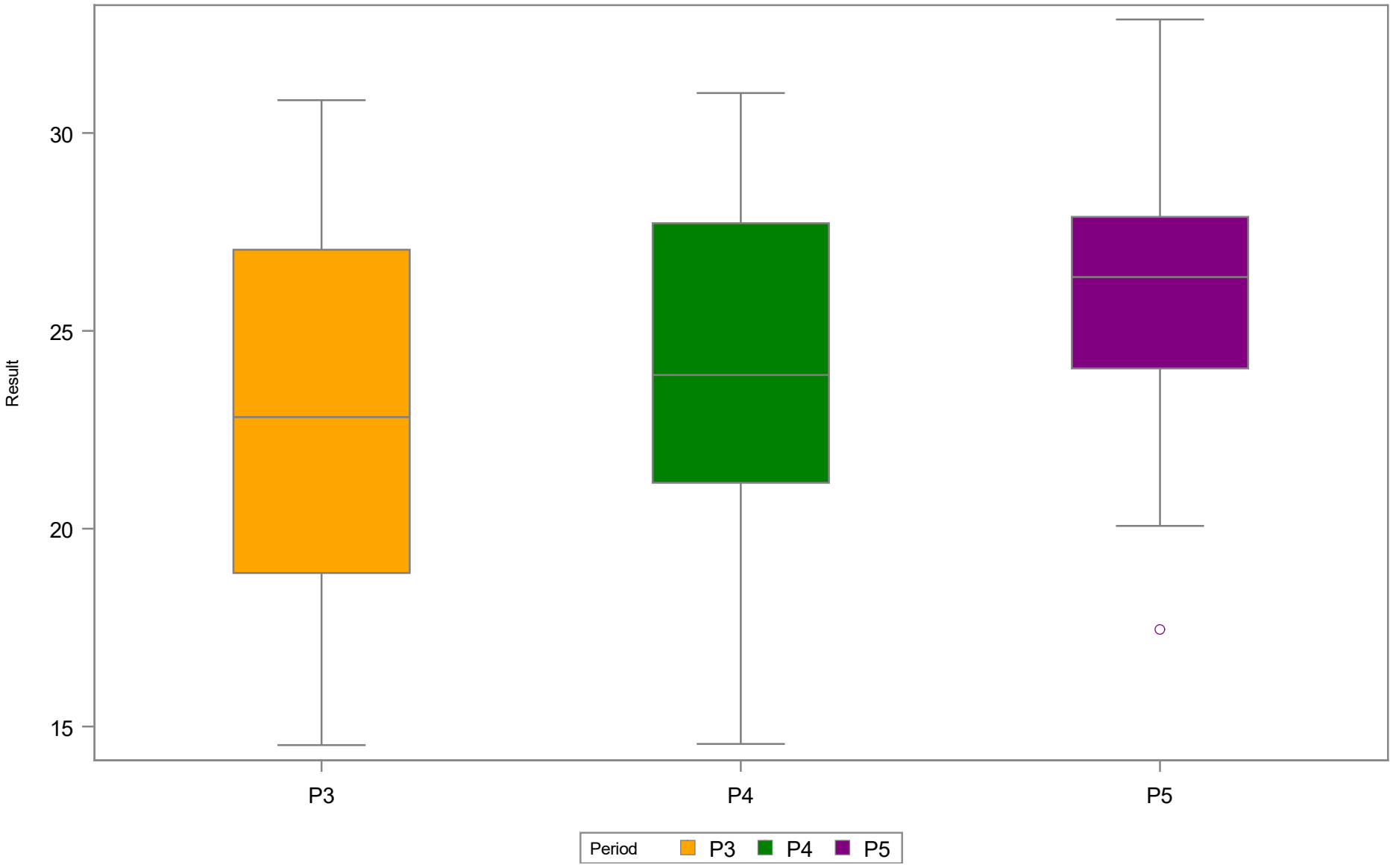
Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1505

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.53	18.88	23.55	22.82	27.05	30.83
P4	24	14.56	21.16	24.32	23.89	27.72	31.01
P5	21	17.45	24.05	25.76	26.36	27.88	32.87

Period of Record: January 1996 through December 2023
Analysis Days Only

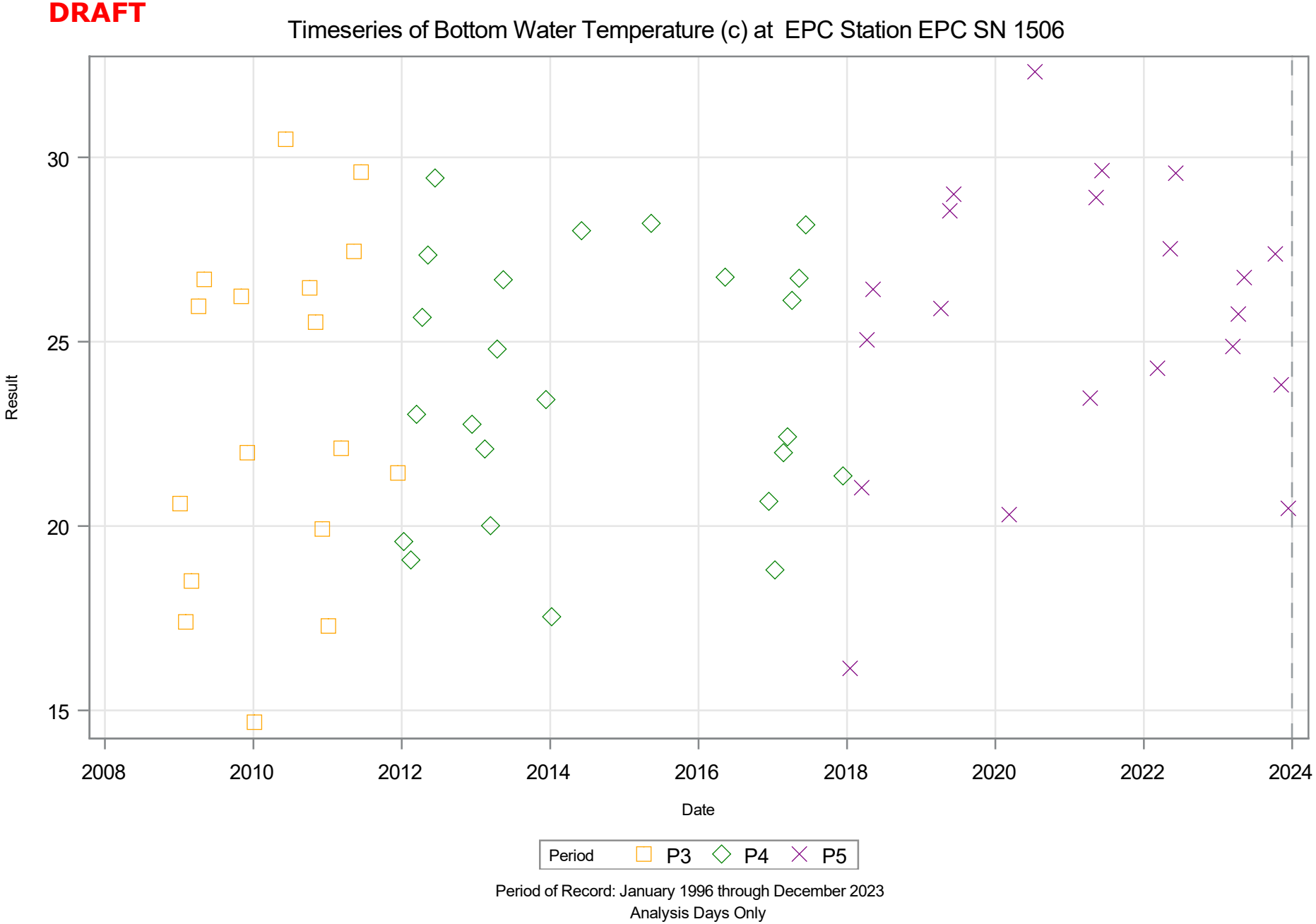
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1505



Period of Record: January 1996 through December 2023
Analysis Days Only

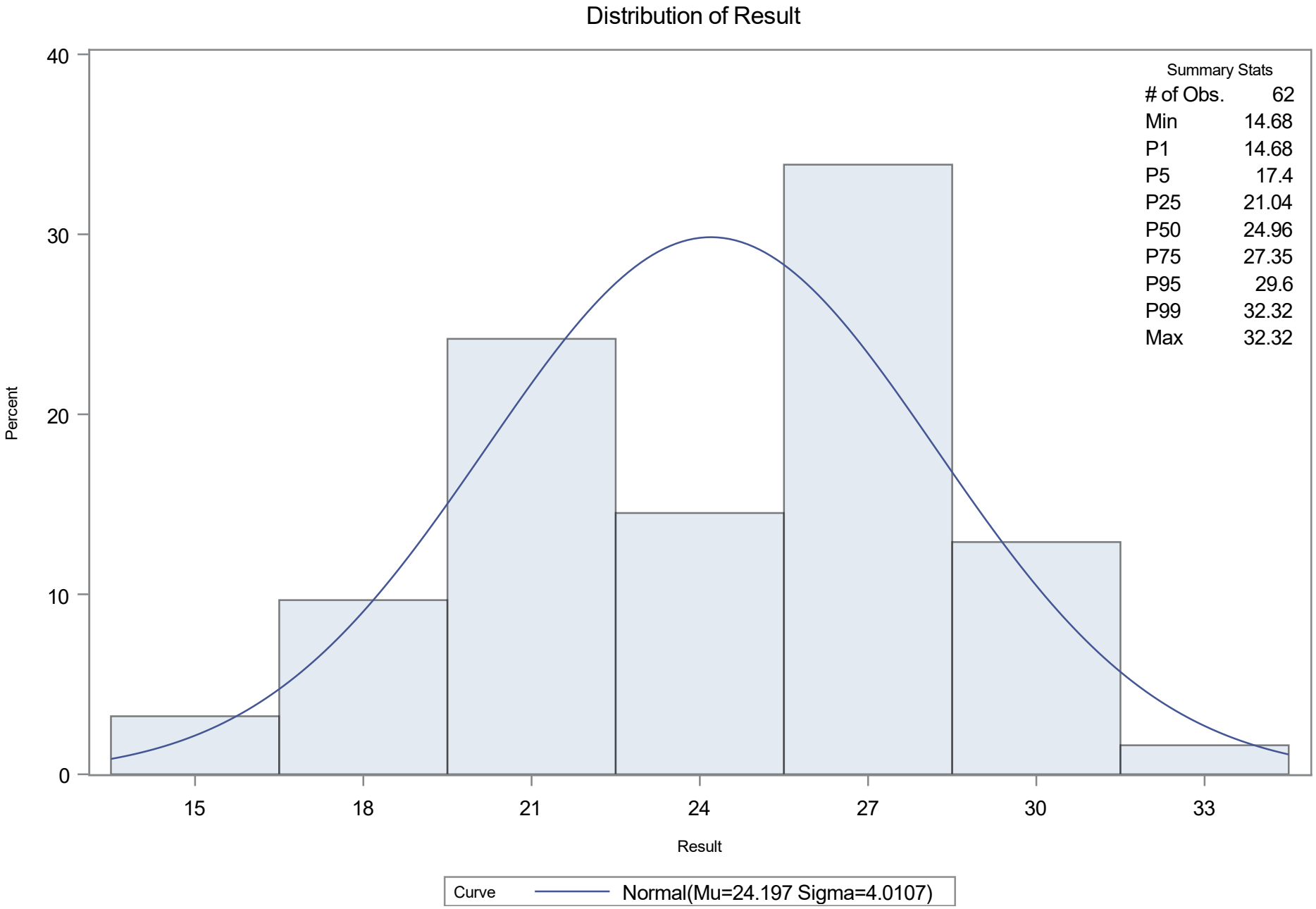
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.19694
Std Dev	Sigma	4.010735

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11406758	**Pr > D**	0.044
Cramer-von Mises	**W-Sq**	0.11822013	**Pr > W-Sq**	0.066
Anderson-Darling	**A-Sq**	0.62838436	**Pr > A-Sq**	0.098

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.6800	14.8666
5.0	17.4000	17.5999
10.0	18.8100	19.0570
25.0	21.0400	21.4917
50.0	24.9600	24.1969
75.0	27.3500	26.9021
90.0	29.0000	29.3369
95.0	29.6000	30.7940
99.0	32.3200	33.5273

Period of Record: January 1996 through December 2023
Analysis Days Only

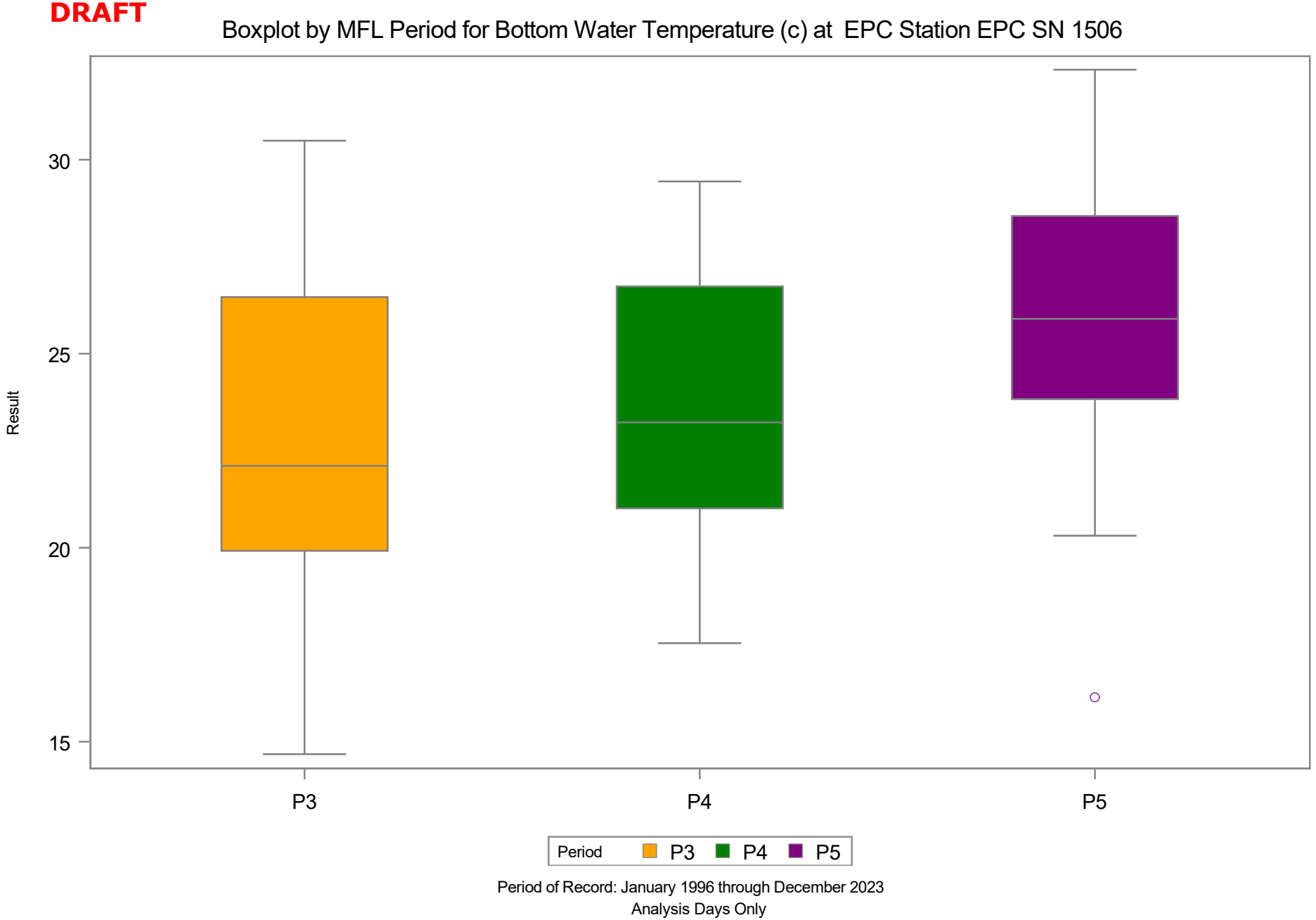
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1506

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.68	19.92	23.08	22.11	26.46	30.49
P4	24	17.54	21.02	23.78	23.23	26.74	29.44
P5	21	16.14	23.83	25.58	25.90	28.55	32.32

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1506
Result
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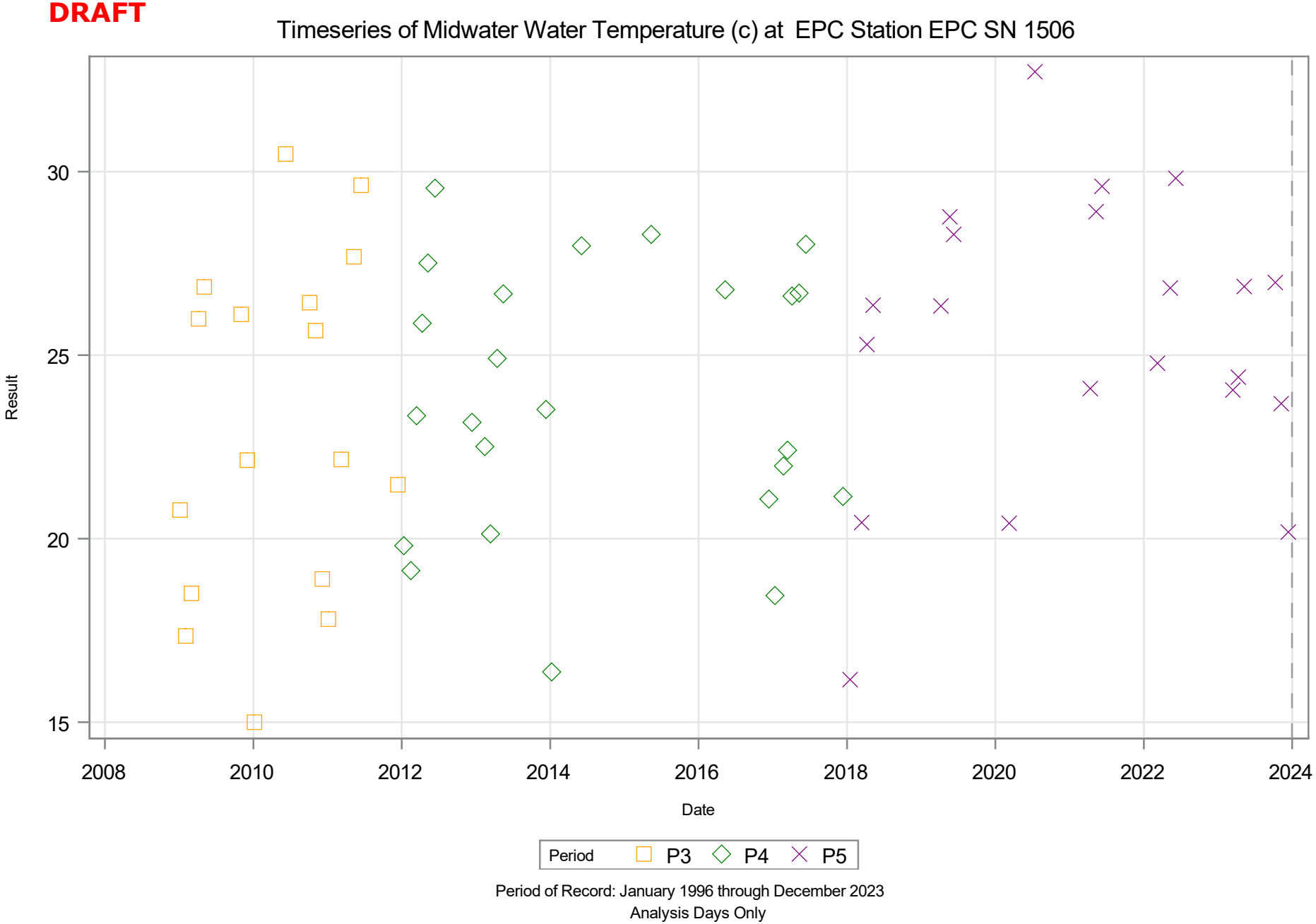
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1506
Result
30
25
20
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2008
2010
2012
2014
2016
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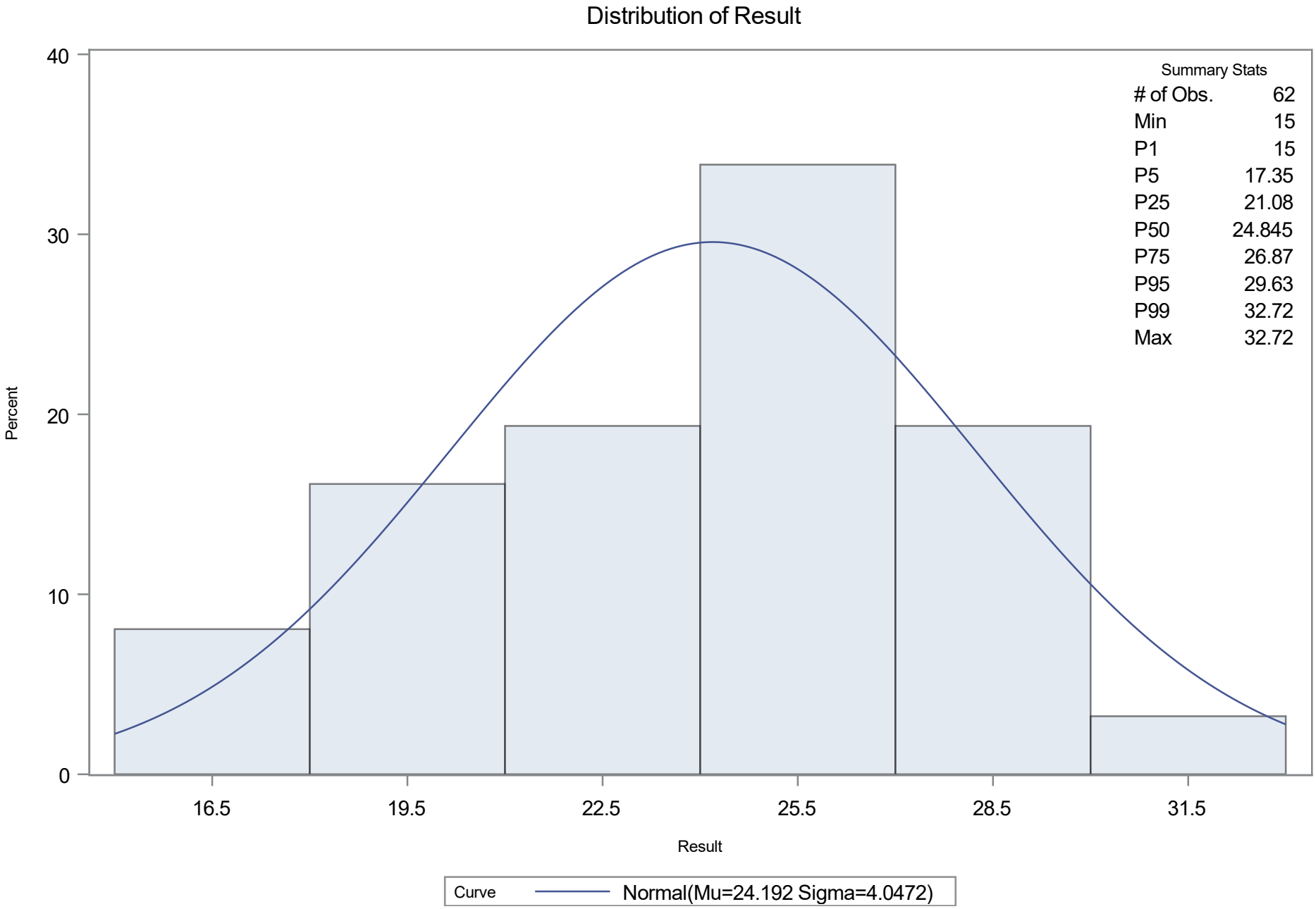
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.19177
Std Dev	Sigma	4.047233

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11241752	**Pr > D**	0.050
Cramer-von Mises	**W-Sq**	0.11573003	**Pr > W-Sq**	0.071
Anderson-Darling	**A-Sq**	0.62729663	**Pr > A-Sq**	0.098

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0000	14.7765
5.0	17.3500	17.5347
10.0	18.5100	19.0050
25.0	21.0800	21.4620
50.0	24.8450	24.1918
75.0	26.8700	26.9216
90.0	28.9100	29.3785
95.0	29.6300	30.8489
99.0	32.7200	33.6070

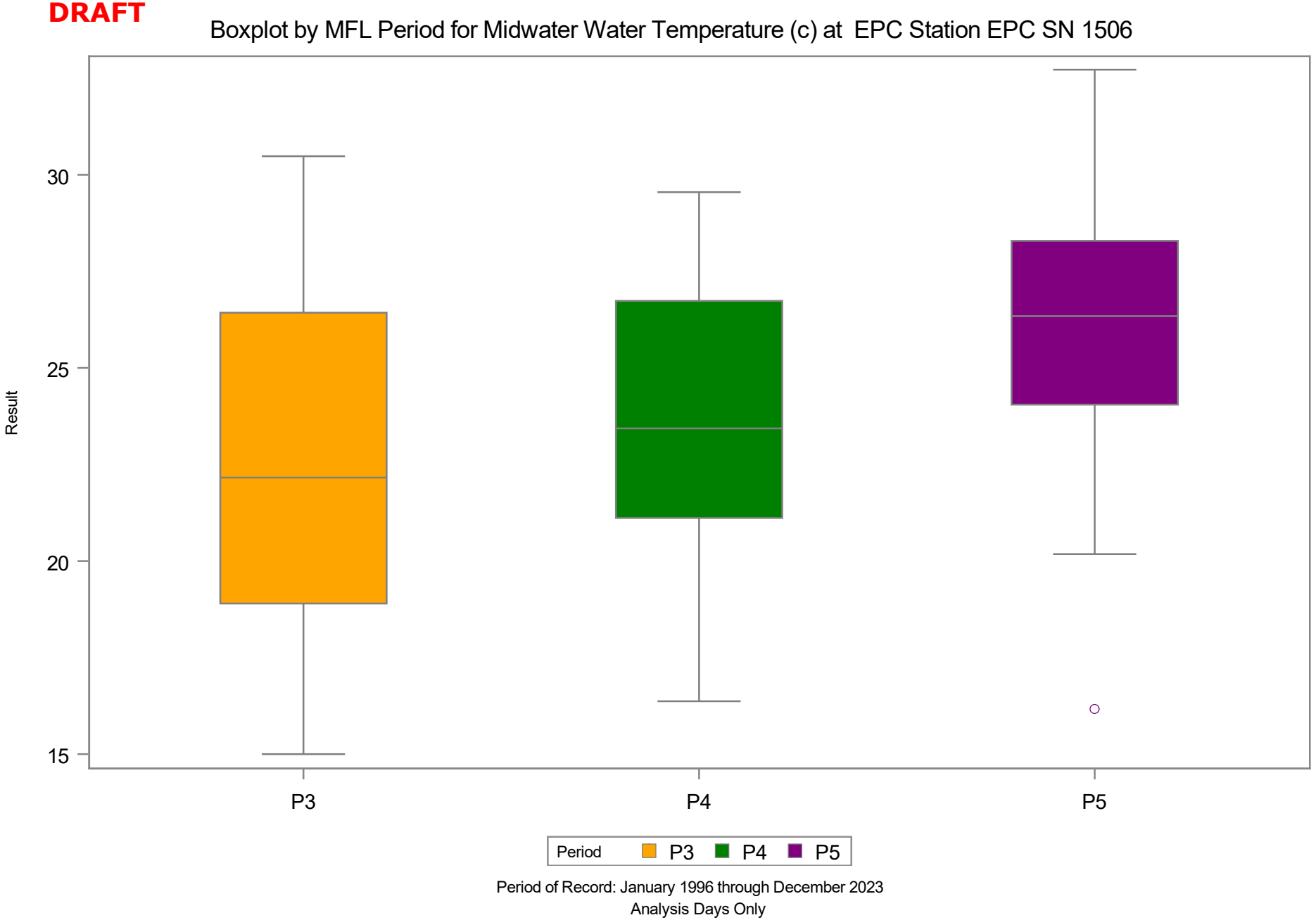
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1506**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.00	18.90	23.12	22.16	26.43	30.48
P4	24	16.37	21.12	23.83	23.44	26.74	29.55
P5	21	16.16	24.05	25.48	26.34	28.29	32.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1506
Result
30
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15
P3
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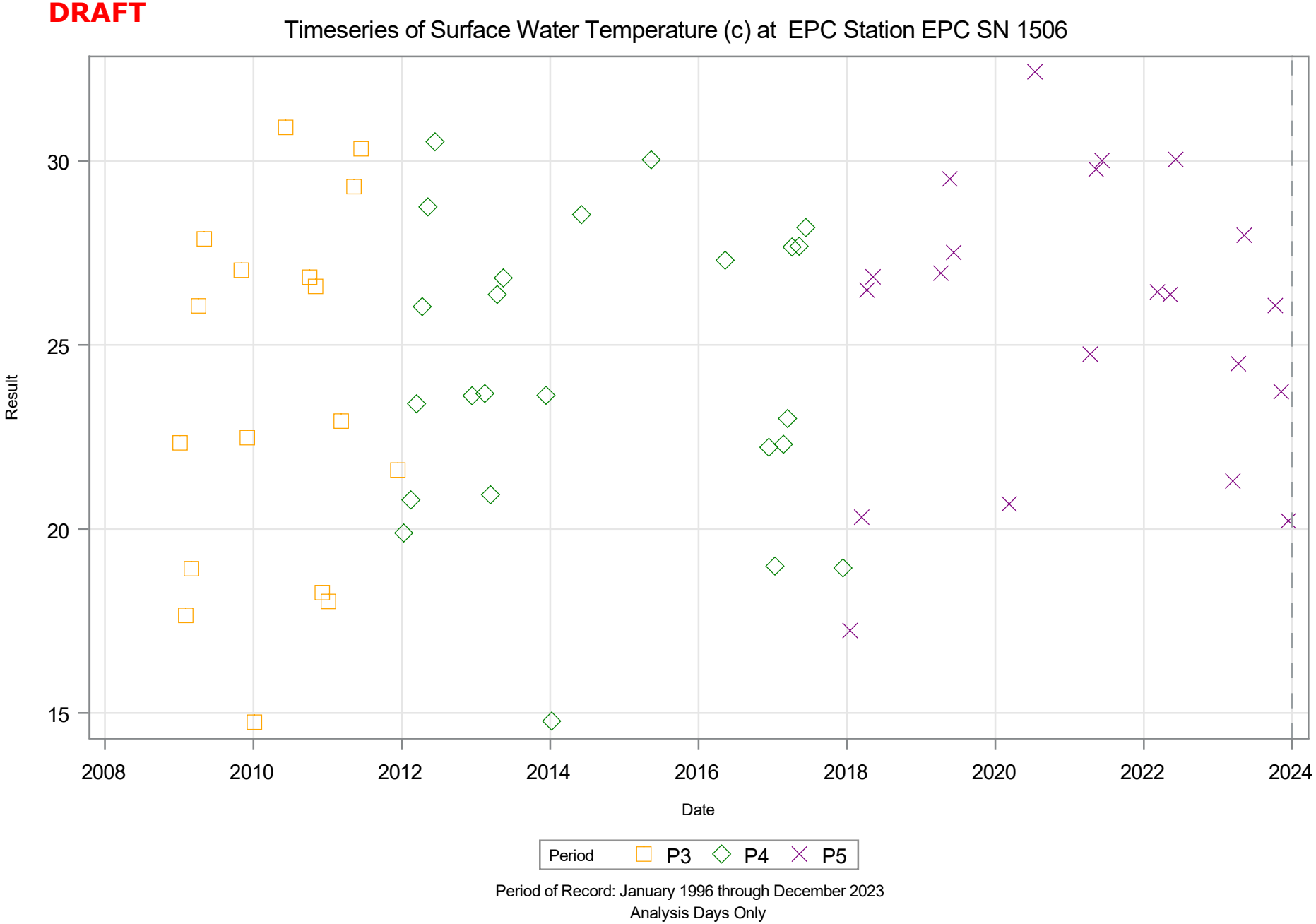
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

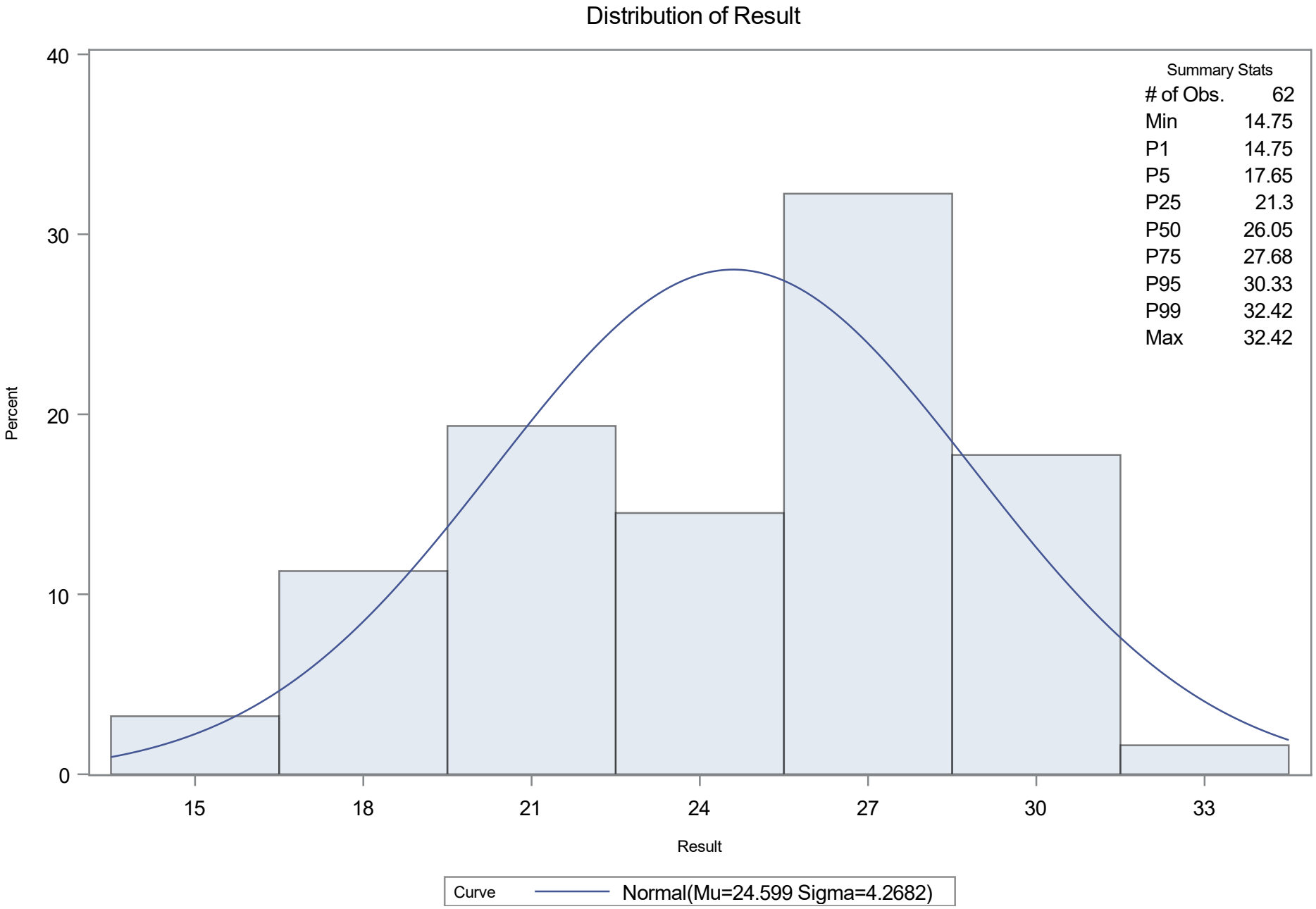
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1506



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1506

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.59871
Std Dev	Sigma	4.268212

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14832690	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.13524256	**Pr > W-Sq**	0.038
Anderson-Darling	**A-Sq**	0.74287396	**Pr > A-Sq**	0.050

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.7500	14.6694
5.0	17.6500	17.5781
10.0	18.9200	19.1288
25.0	21.3000	21.7198
50.0	26.0500	24.5987
75.0	27.6800	27.4776
90.0	30.0100	30.0686
95.0	30.3300	31.6193
99.0	32.4200	34.5281

Period of Record: January 1996 through December 2023
Analysis Days Only

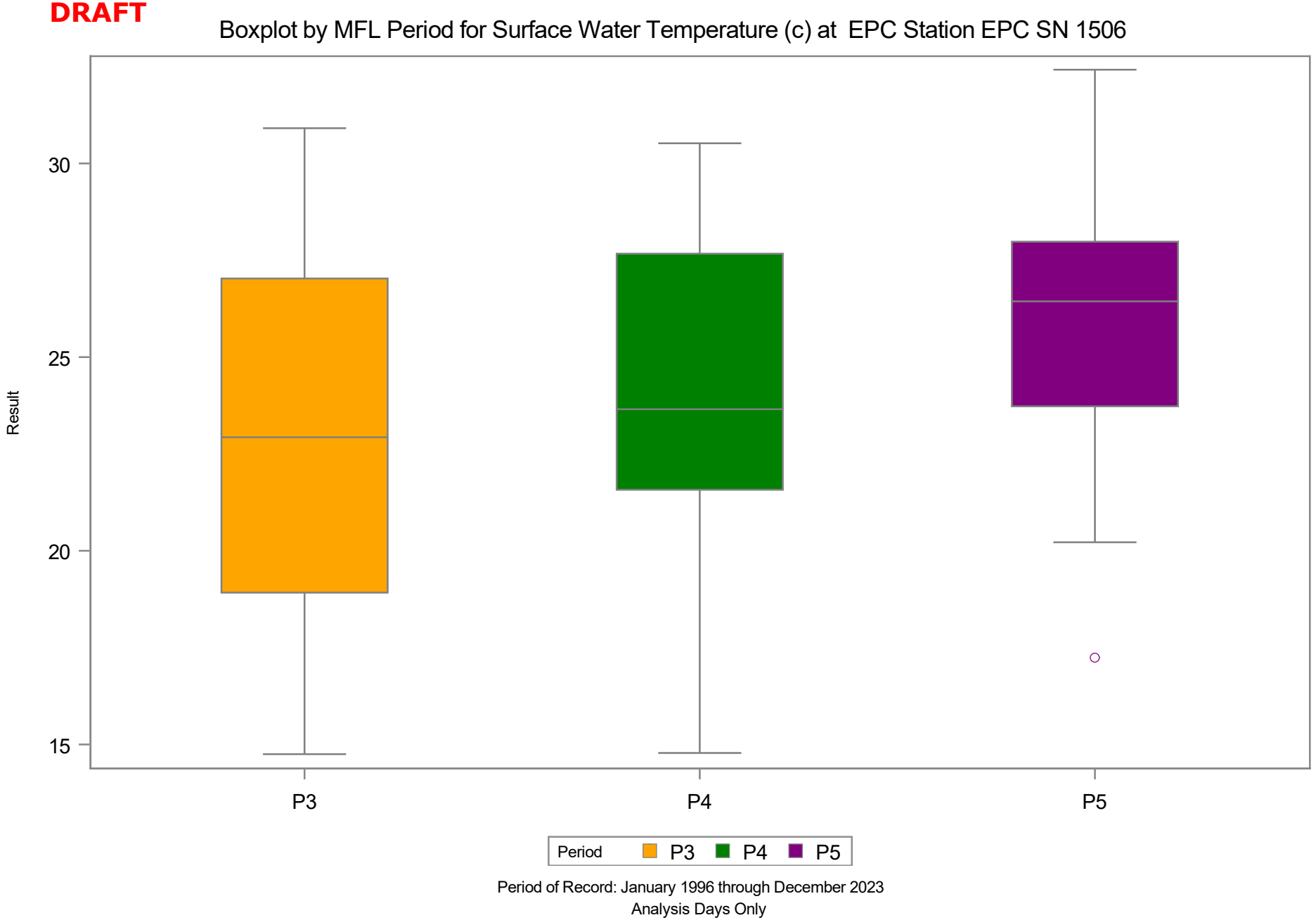
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1506

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	14.75	18.92	23.64	22.93	27.03	30.91
P4	24	14.78	21.58	24.34	23.66	27.67	30.52
P5	21	17.24	23.73	25.67	26.44	27.98	32.42

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1506
Result
30
25
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15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

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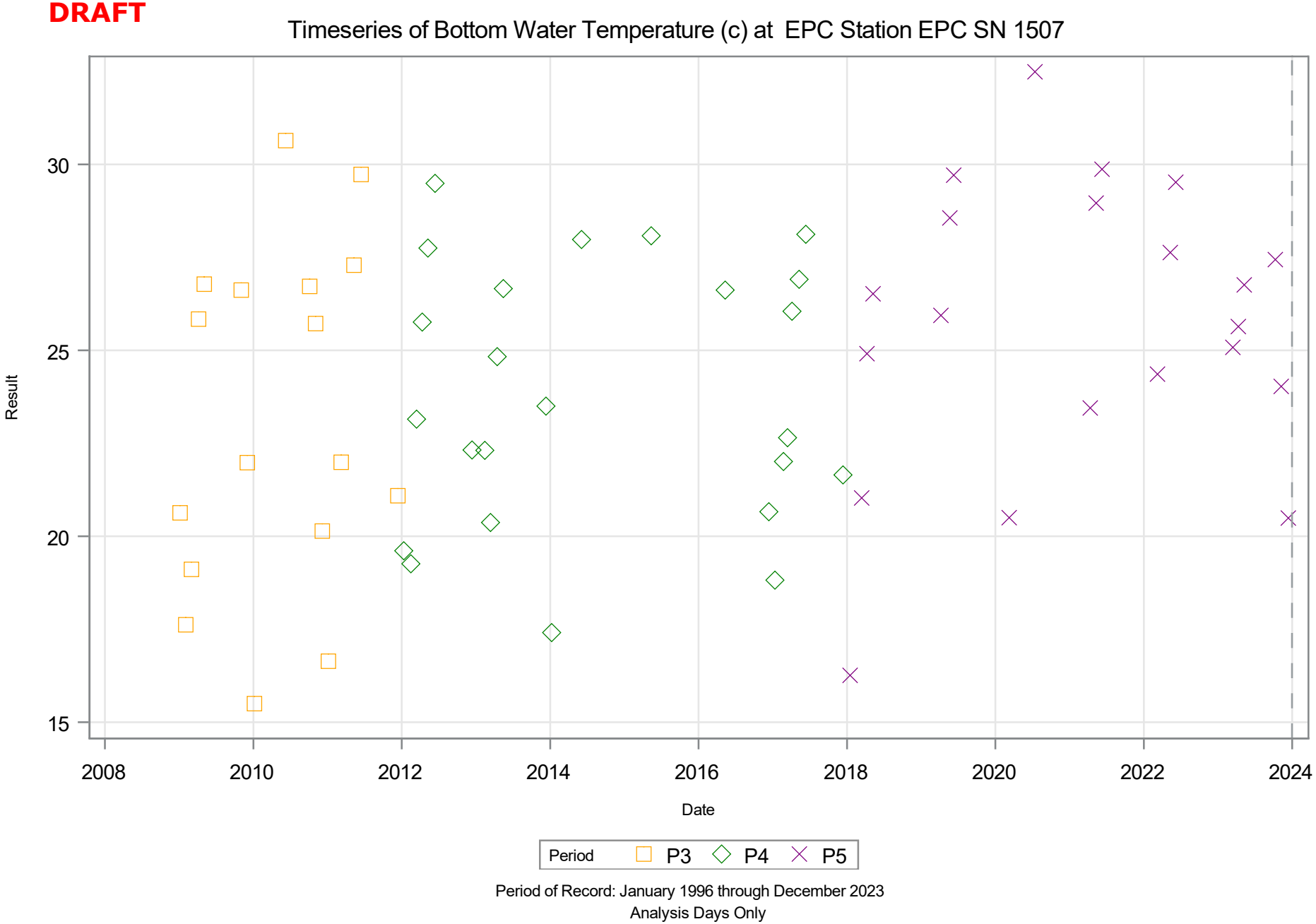
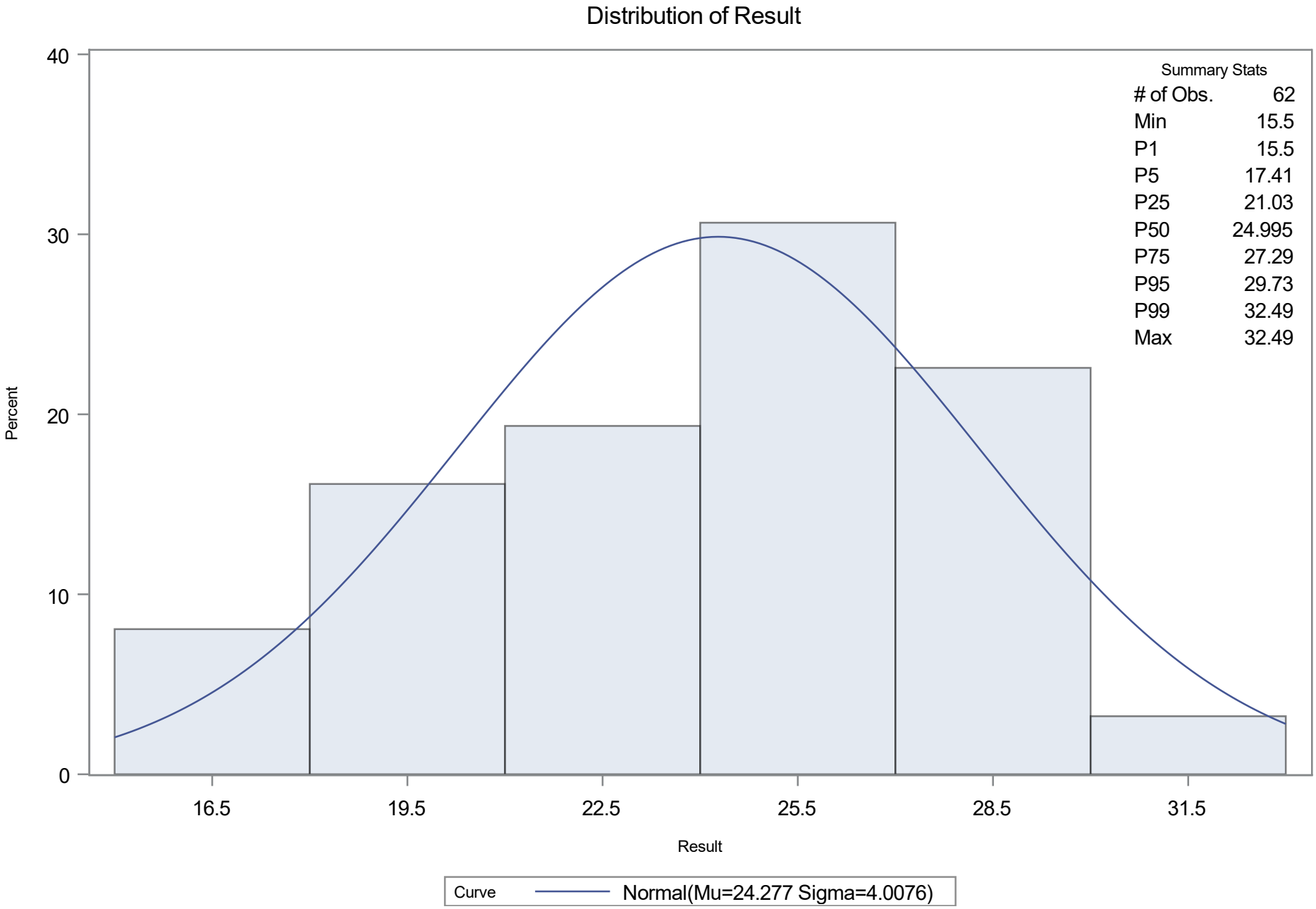

Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1507
Result
30
25
20
15
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.27677
Std Dev	Sigma	4.007632

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11700199	**Pr > D**	0.034
Cramer-von Mises	**W-Sq**	0.11819124	**Pr > W-Sq**	0.066
Anderson-Darling	**A-Sq**	0.62810303	**Pr > A-Sq**	0.098

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.5000	14.9536
5.0	17.4100	17.6848
10.0	19.1100	19.1408
25.0	21.0300	21.5737
50.0	24.9950	24.2768
75.0	27.2900	26.9799
90.0	29.4900	29.4128
95.0	29.7300	30.8687
99.0	32.4900	33.5999

Period of Record: January 1996 through December 2023
Analysis Days Only

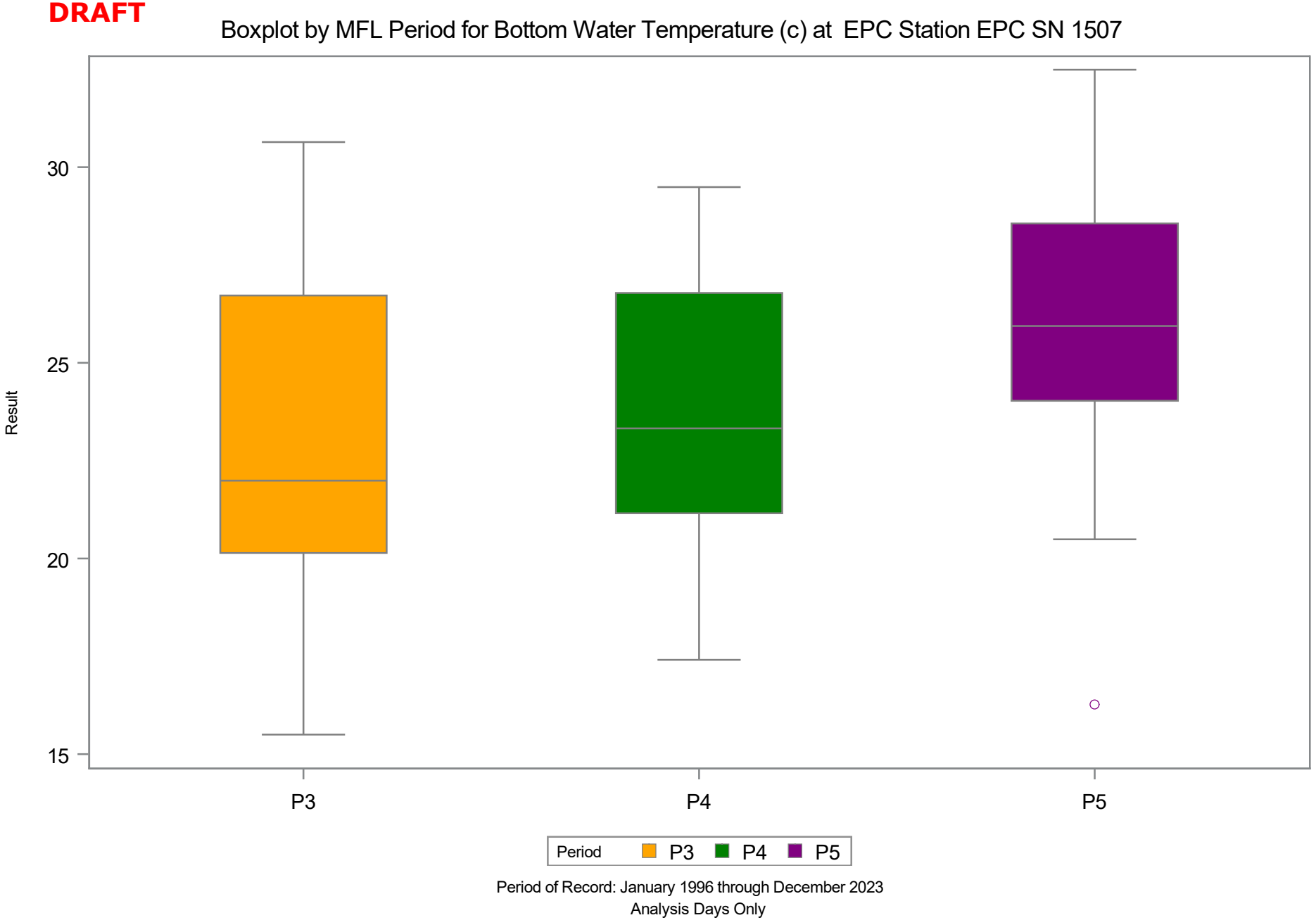
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1507

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.50	20.14	23.18	21.99	26.72	30.64
P4	24	17.41	21.16	23.83	23.33	26.79	29.49
P5	21	16.26	24.03	25.67	25.94	28.56	32.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1507
Result
30
25
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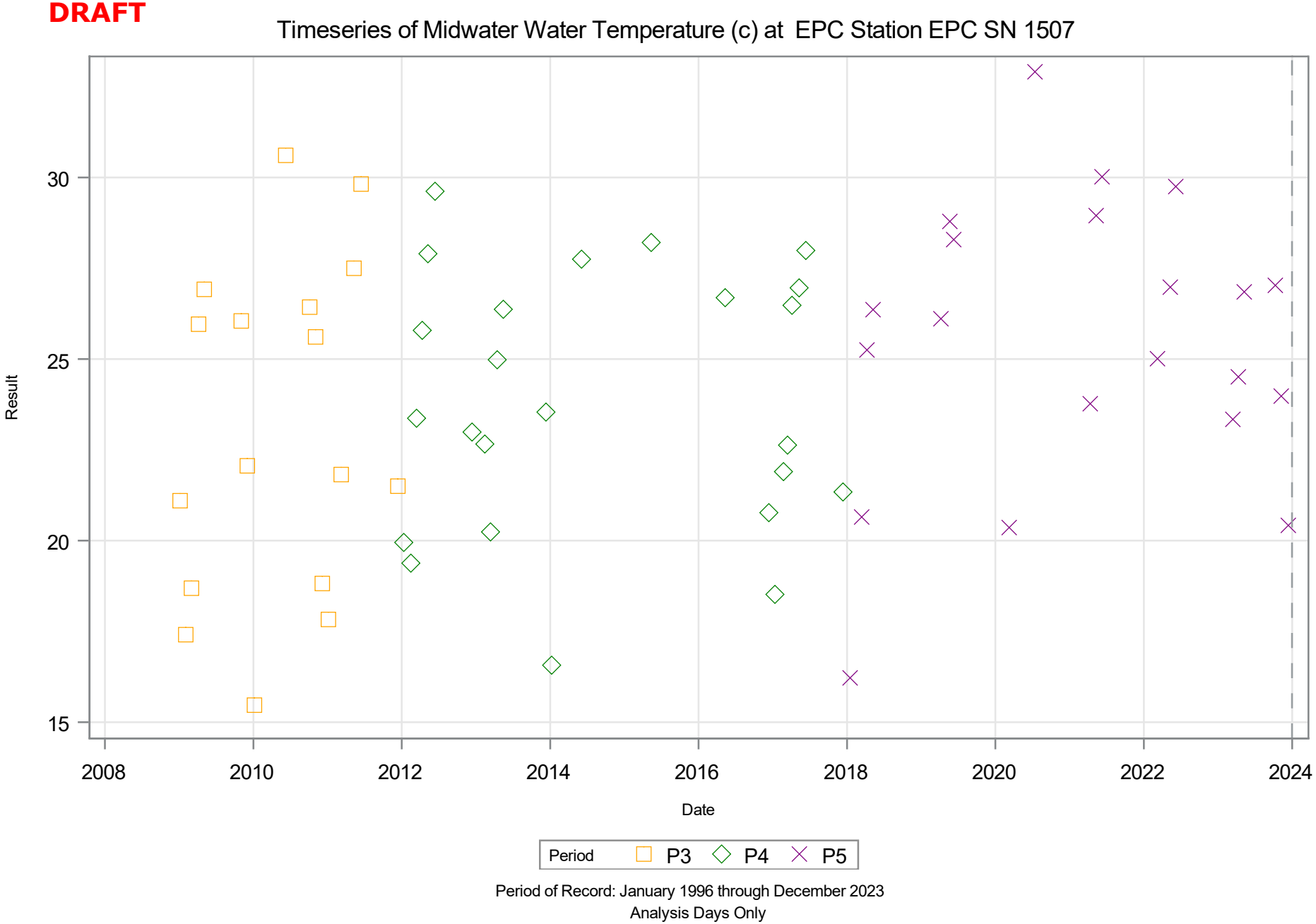
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1507
Result
30
25
20
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2008
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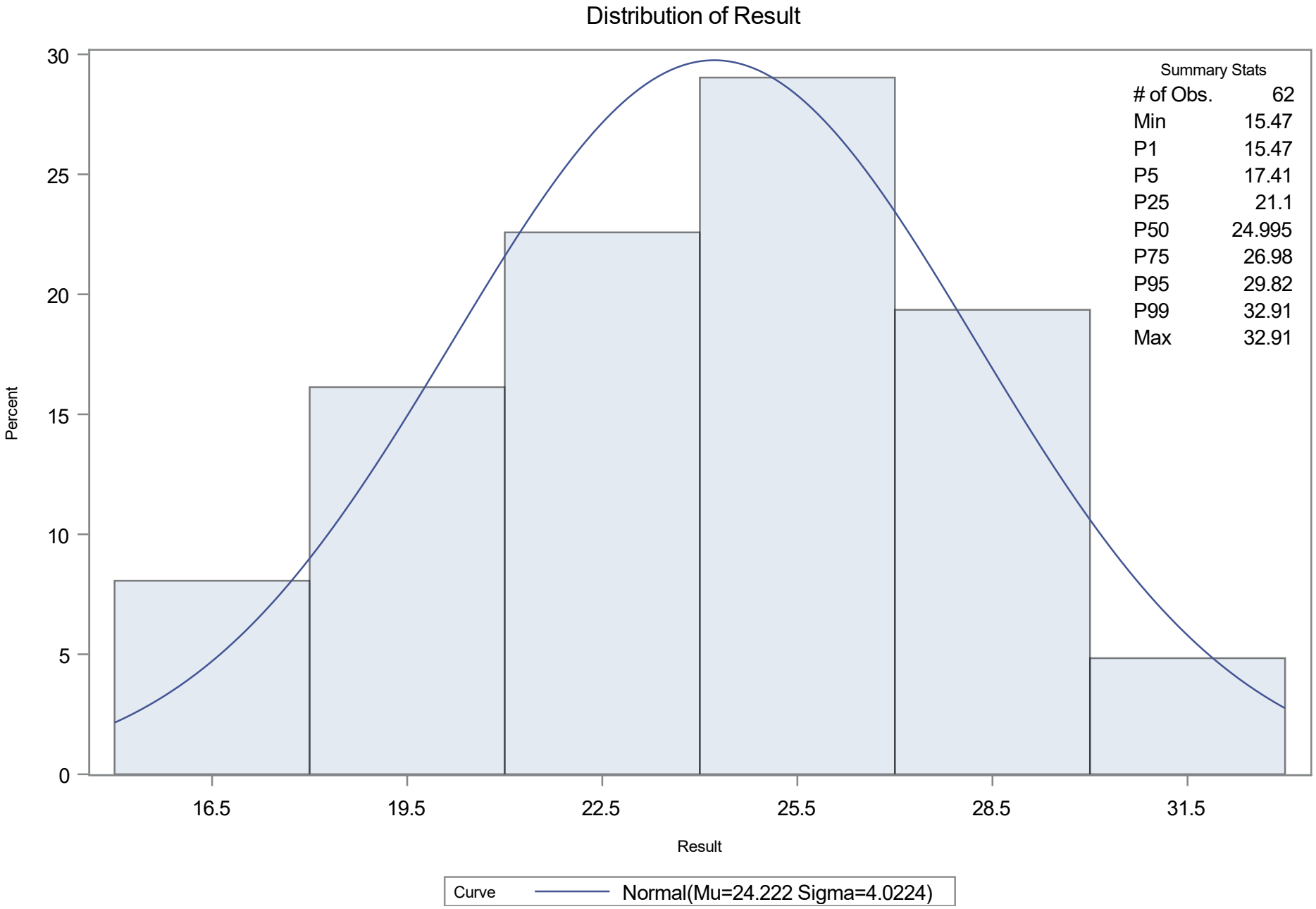
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.22177
Std Dev	Sigma	4.022398

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10329781	**Pr > D**	0.097
Cramer-von Mises	**W-Sq**	0.10009908	**Pr > W-Sq**	0.112
Anderson-Darling	**A-Sq**	0.53612984	**Pr > A-Sq**	0.170

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.4700	14.8643
5.0	17.4100	17.6055
10.0	18.6900	19.0669
25.0	21.1000	21.5087
50.0	24.9950	24.2218
75.0	26.9800	26.9348
90.0	28.9500	29.3767
95.0	29.8200	30.8380
99.0	32.9100	33.5793

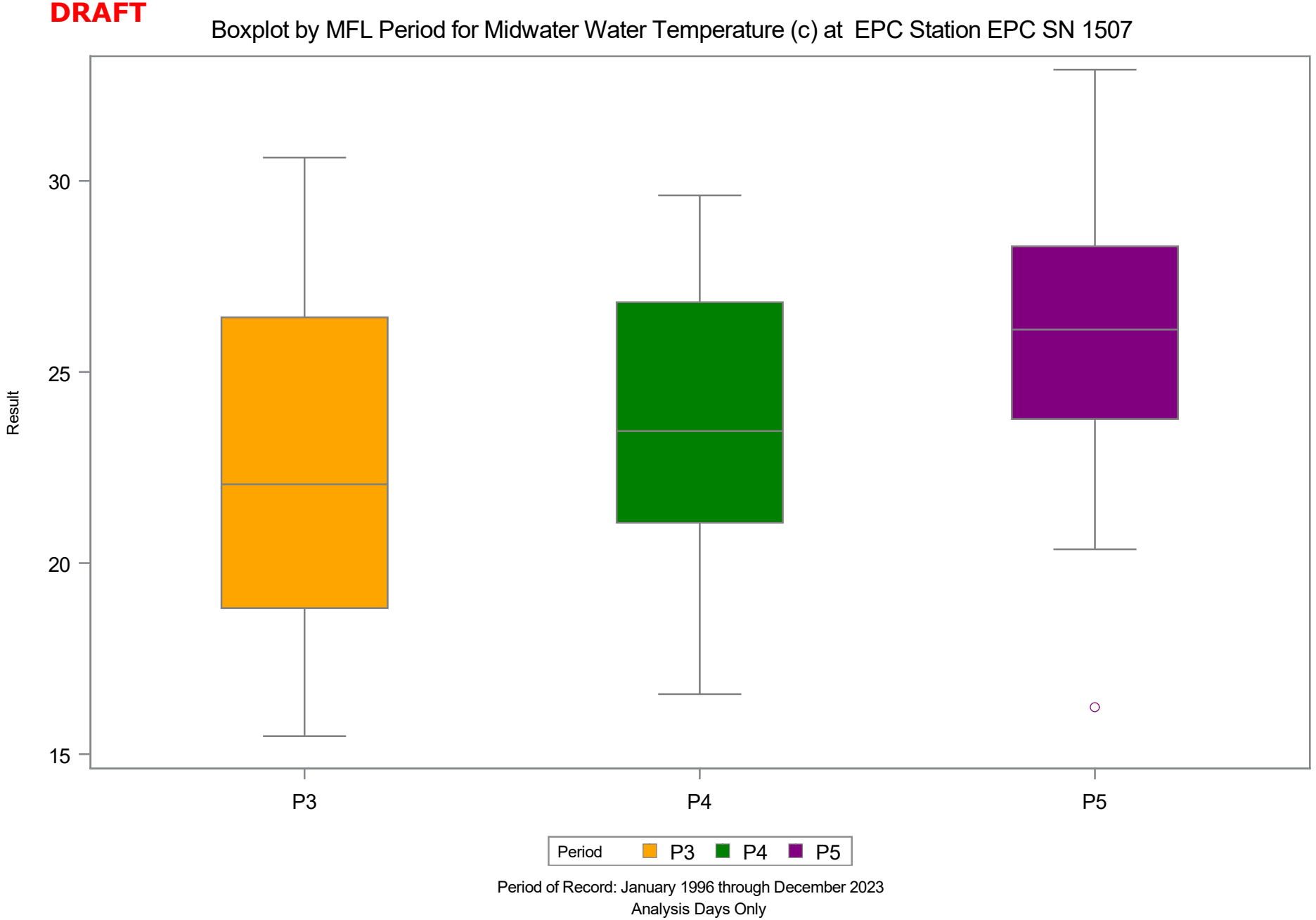
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1507**

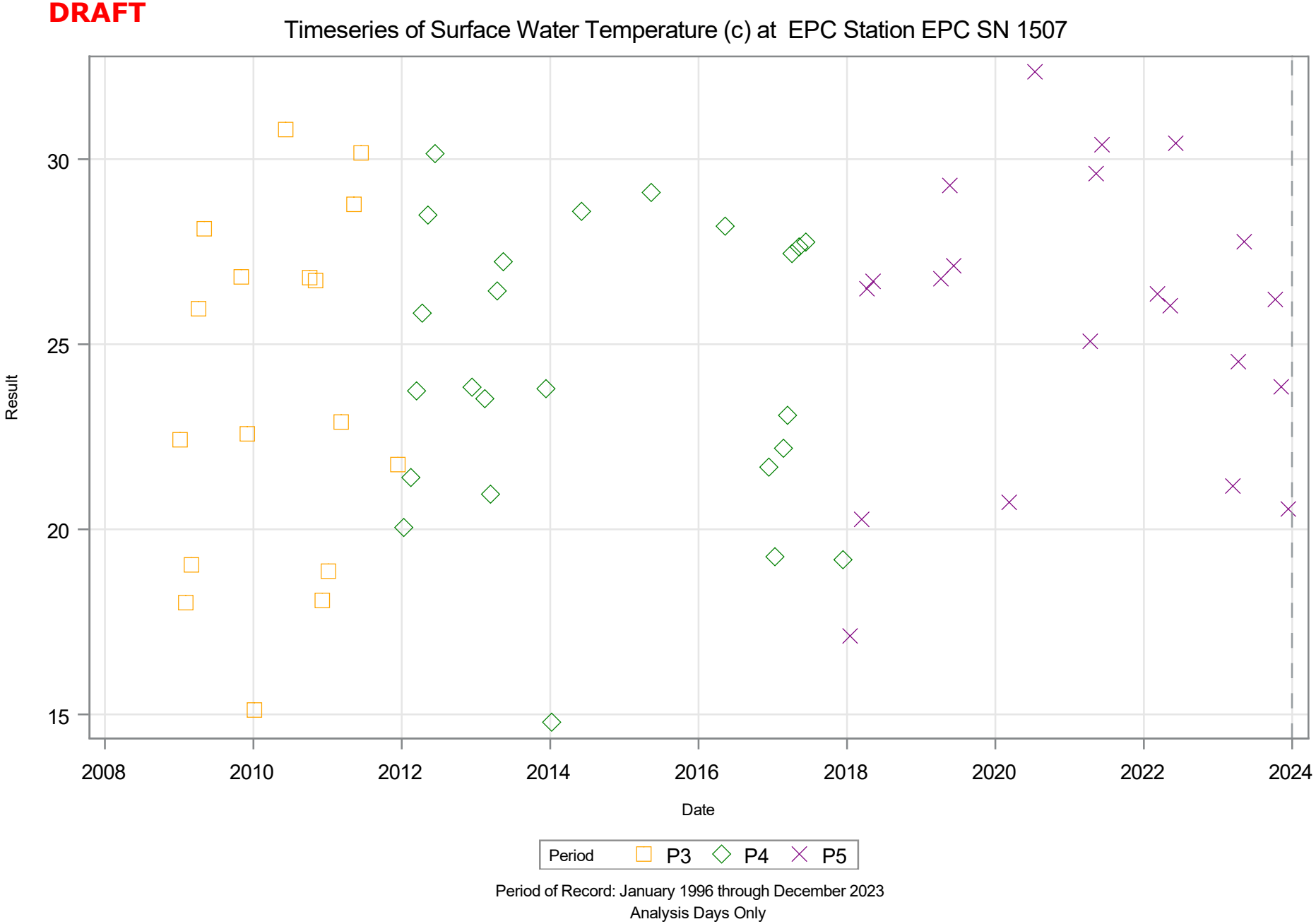
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.47	18.82	23.15	22.06	26.43	30.61
P4	24	16.57	21.06	23.86	23.46	26.83	29.62
P5	21	16.22	23.77	25.50	26.11	28.29	32.91

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

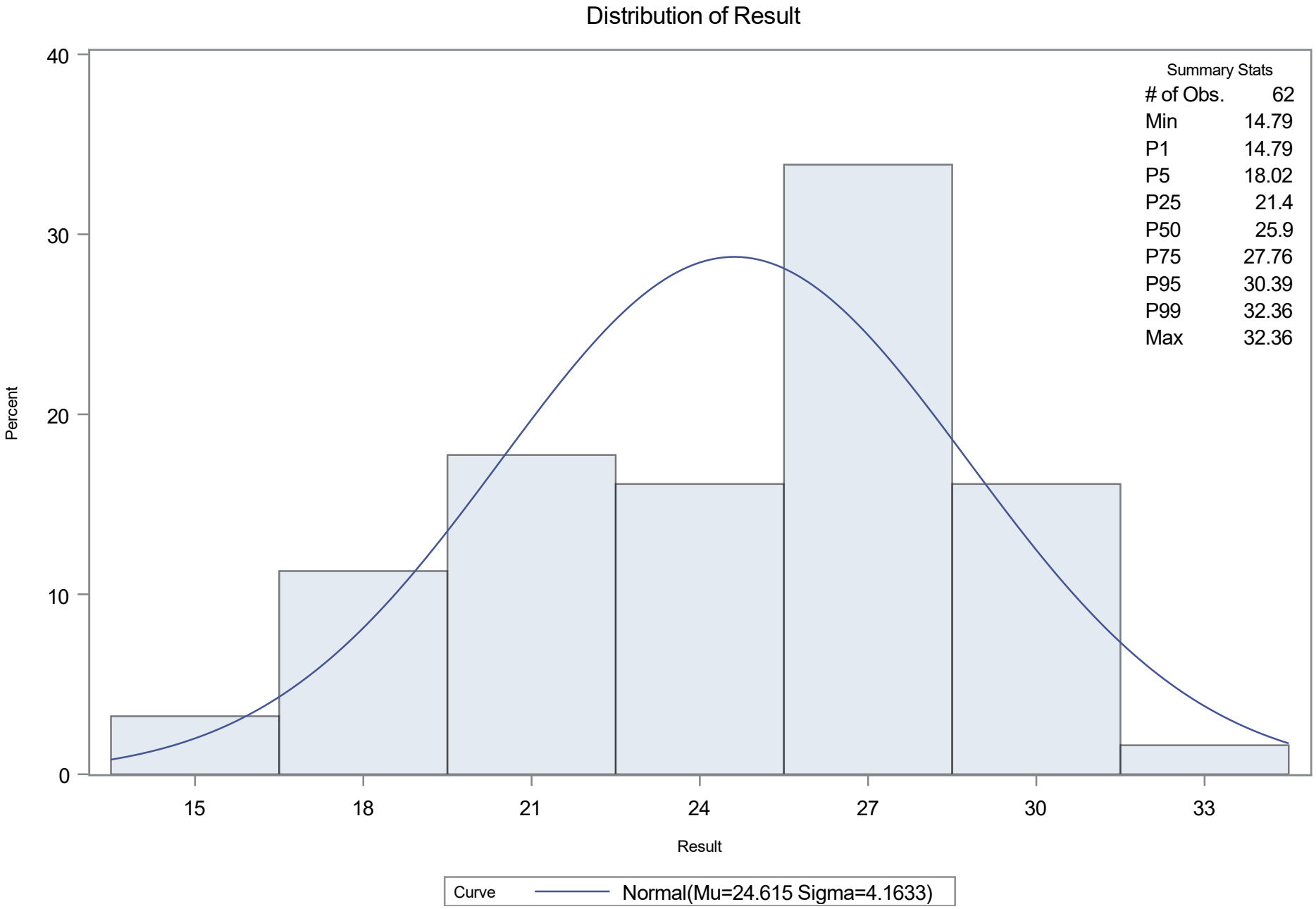

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1507
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1507
Result
30
25
20
15
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1507



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1507

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.61548
Std Dev	Sigma	4.163298

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13179657	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.13095948	**Pr > W-Sq**	0.043
Anderson-Darling	**A-Sq**	0.70302527	**Pr > A-Sq**	0.067

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.7900	14.9302
5.0	18.0200	17.7675
10.0	19.0400	19.2800
25.0	21.4000	21.8074
50.0	25.9000	24.6155
75.0	27.7600	27.4236
90.0	29.6100	29.9510
95.0	30.3900	31.4635
99.0	32.3600	34.3008

Period of Record: January 1996 through December 2023
Analysis Days Only

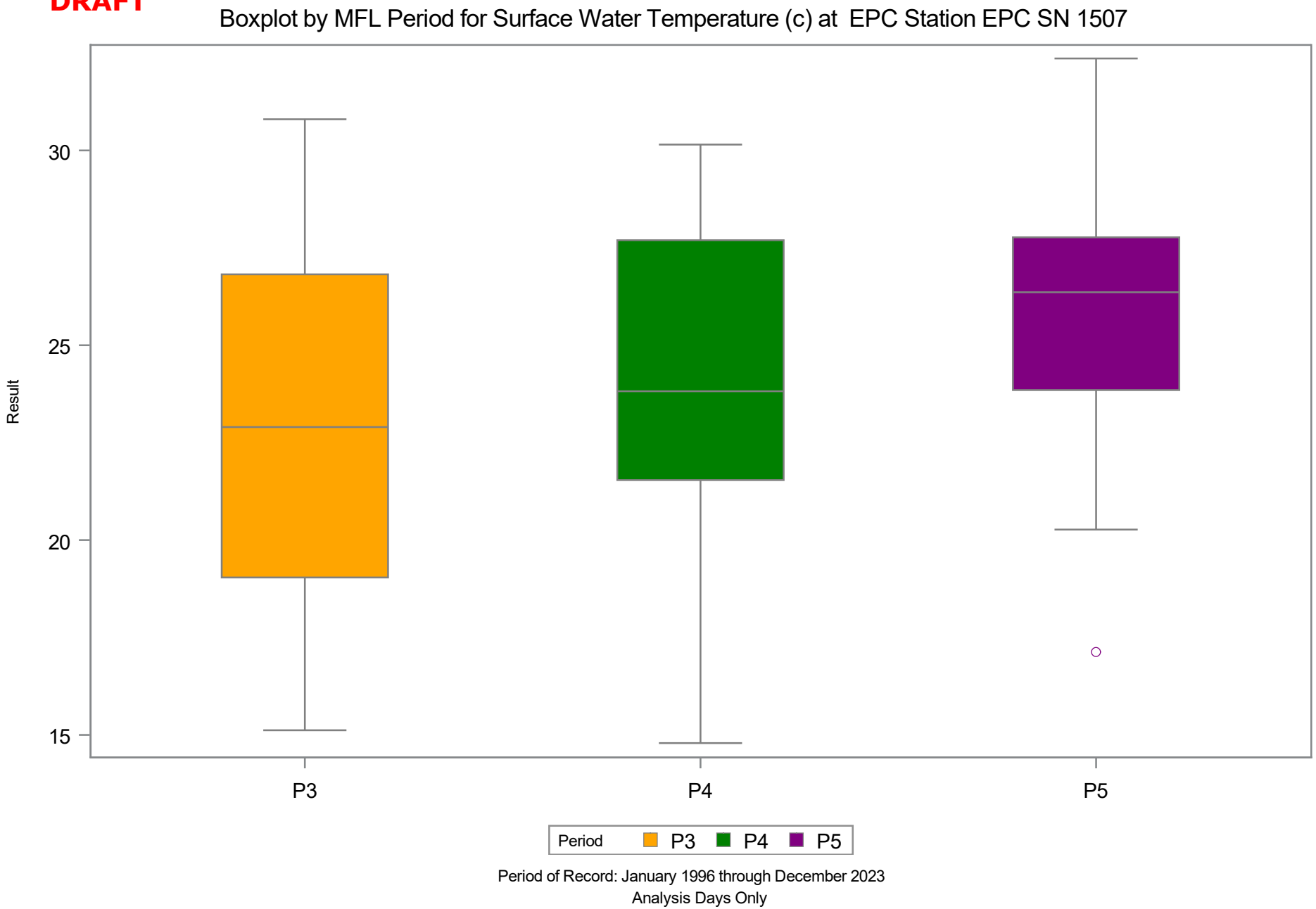
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1507

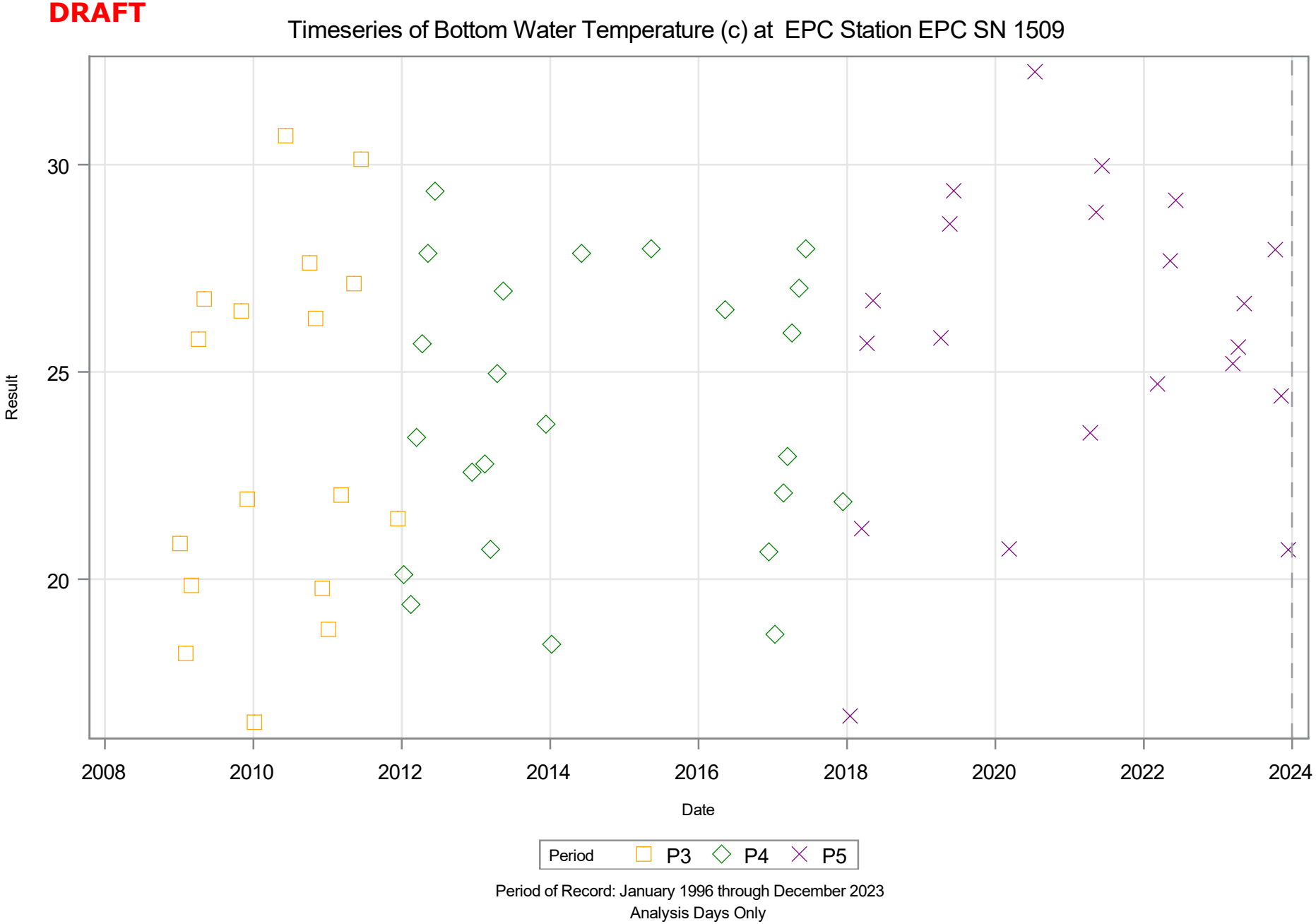
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.12	19.04	23.70	22.90	26.82	30.80
P4	24	14.79	21.54	24.35	23.82	27.70	30.15
P5	21	17.12	23.85	25.66	26.36	27.77	32.36

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

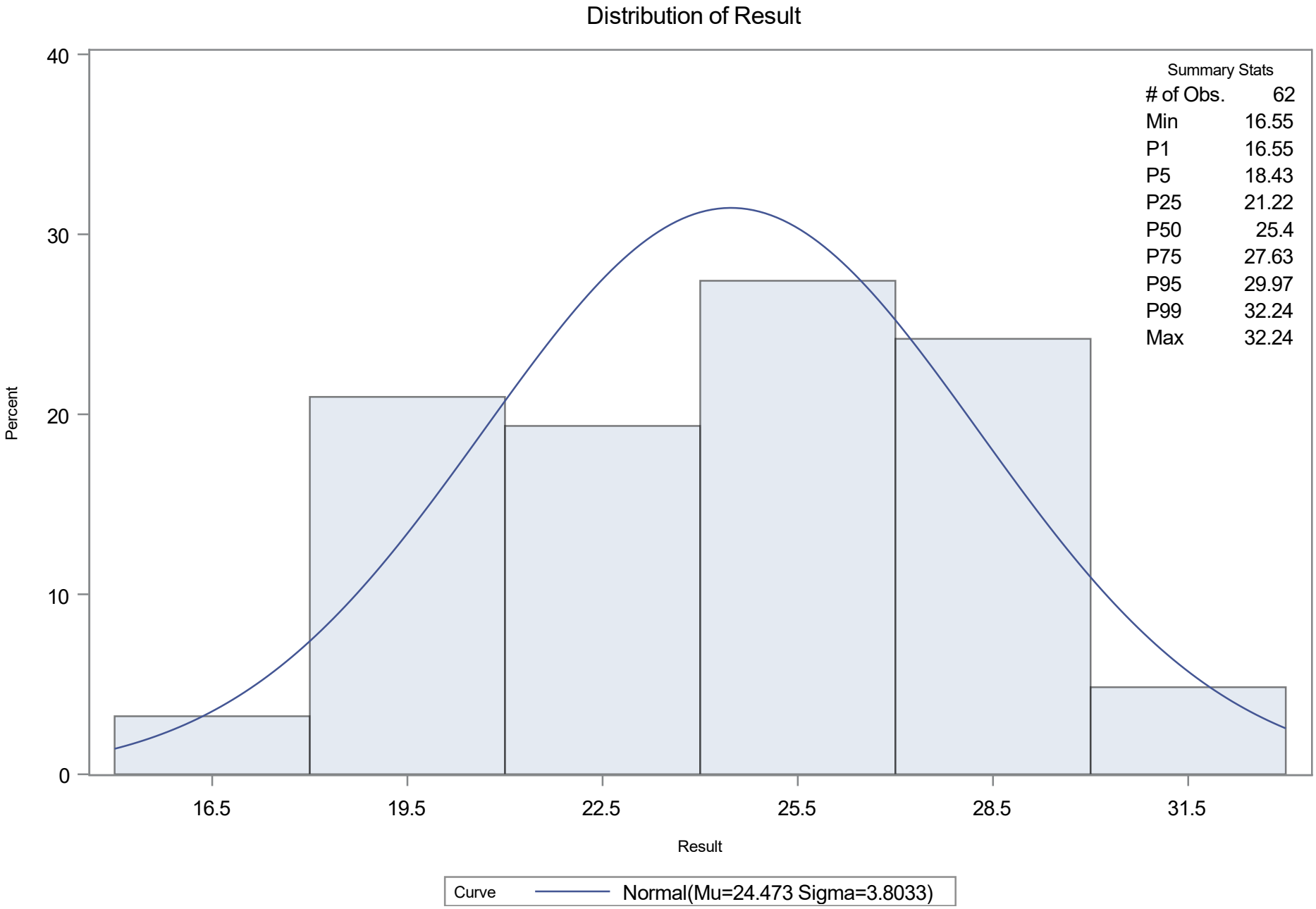

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1507
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1509
Result
30
25
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.47274
Std Dev	Sigma	3.803321

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11653305	**Pr > D**	0.036
Cramer-von Mises	**W-Sq**	0.13294227	**Pr > W-Sq**	0.041
Anderson-Darling	**A-Sq**	0.70135652	**Pr > A-Sq**	0.067

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.5500	15.6249
5.0	18.4300	18.2168
10.0	19.3900	19.5986
25.0	21.2200	21.9074
50.0	25.4000	24.4727
75.0	27.6300	27.0380
90.0	29.1400	29.3469
95.0	29.9700	30.7286
99.0	32.2400	33.3206

Period of Record: January 1996 through December 2023
Analysis Days Only

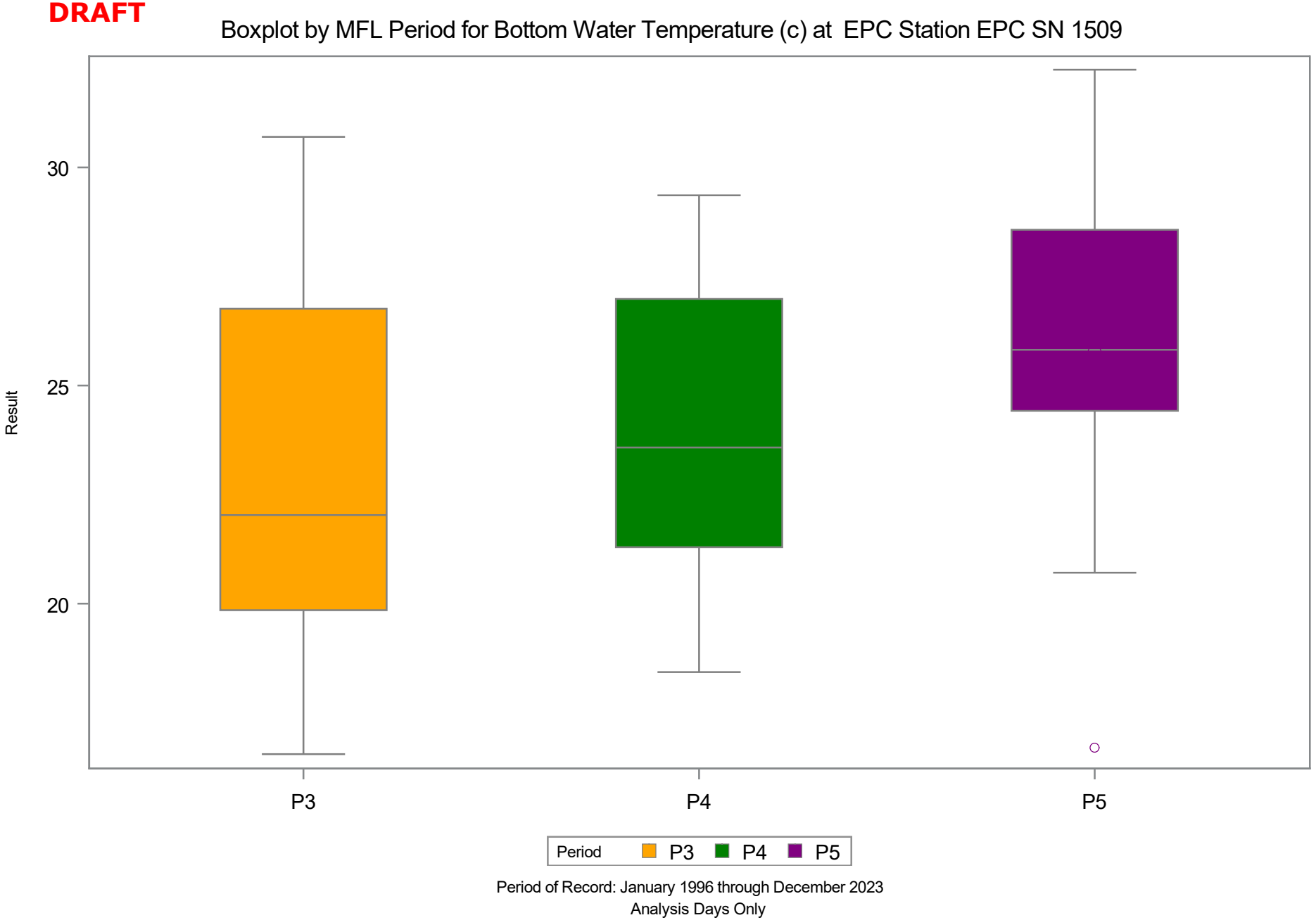
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1509

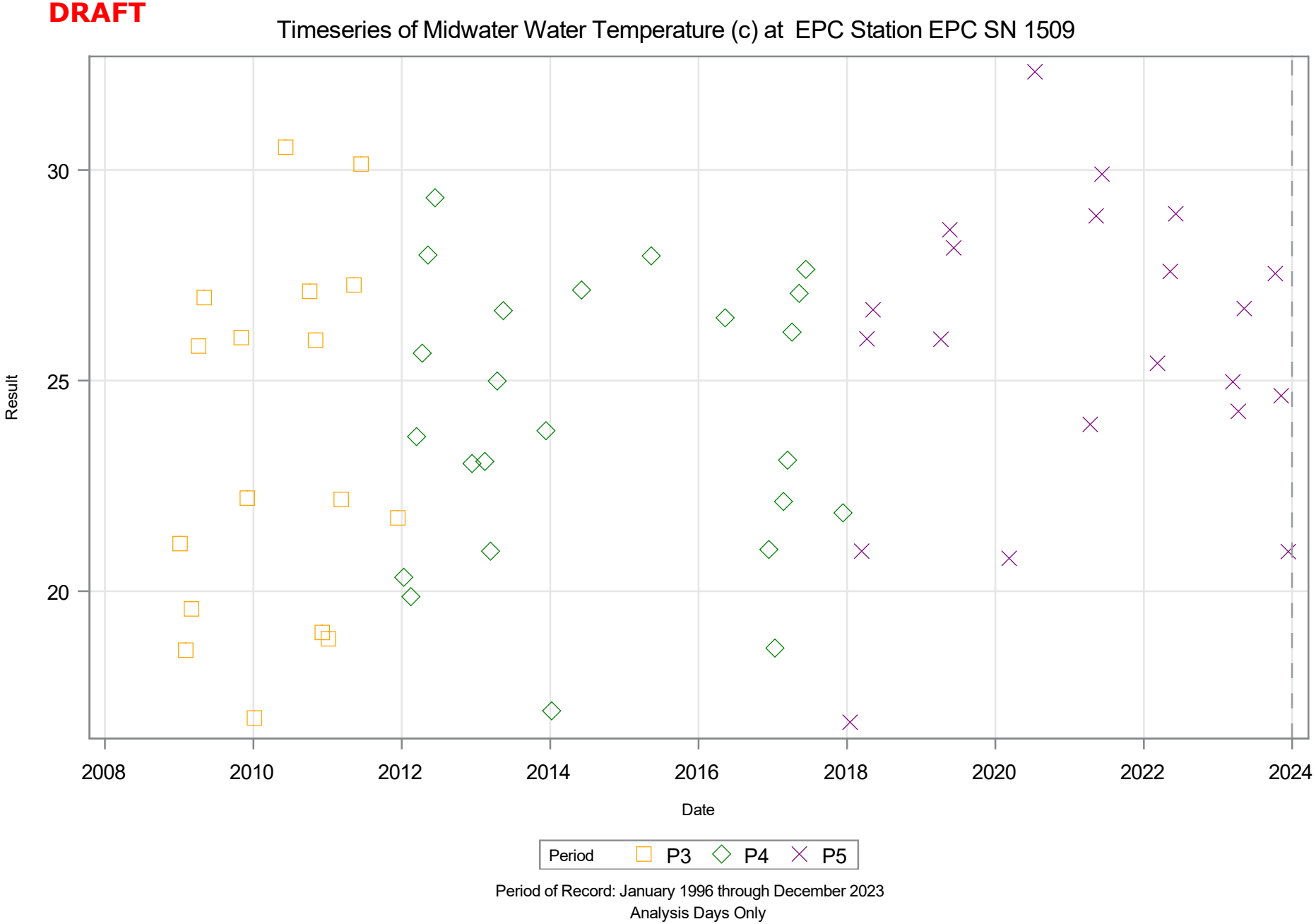
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.55	19.85	23.55	22.03	26.76	30.70
P4	24	18.43	21.30	23.98	23.58	26.99	29.36
P5	21	16.70	24.42	25.78	25.82	28.57	32.24

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

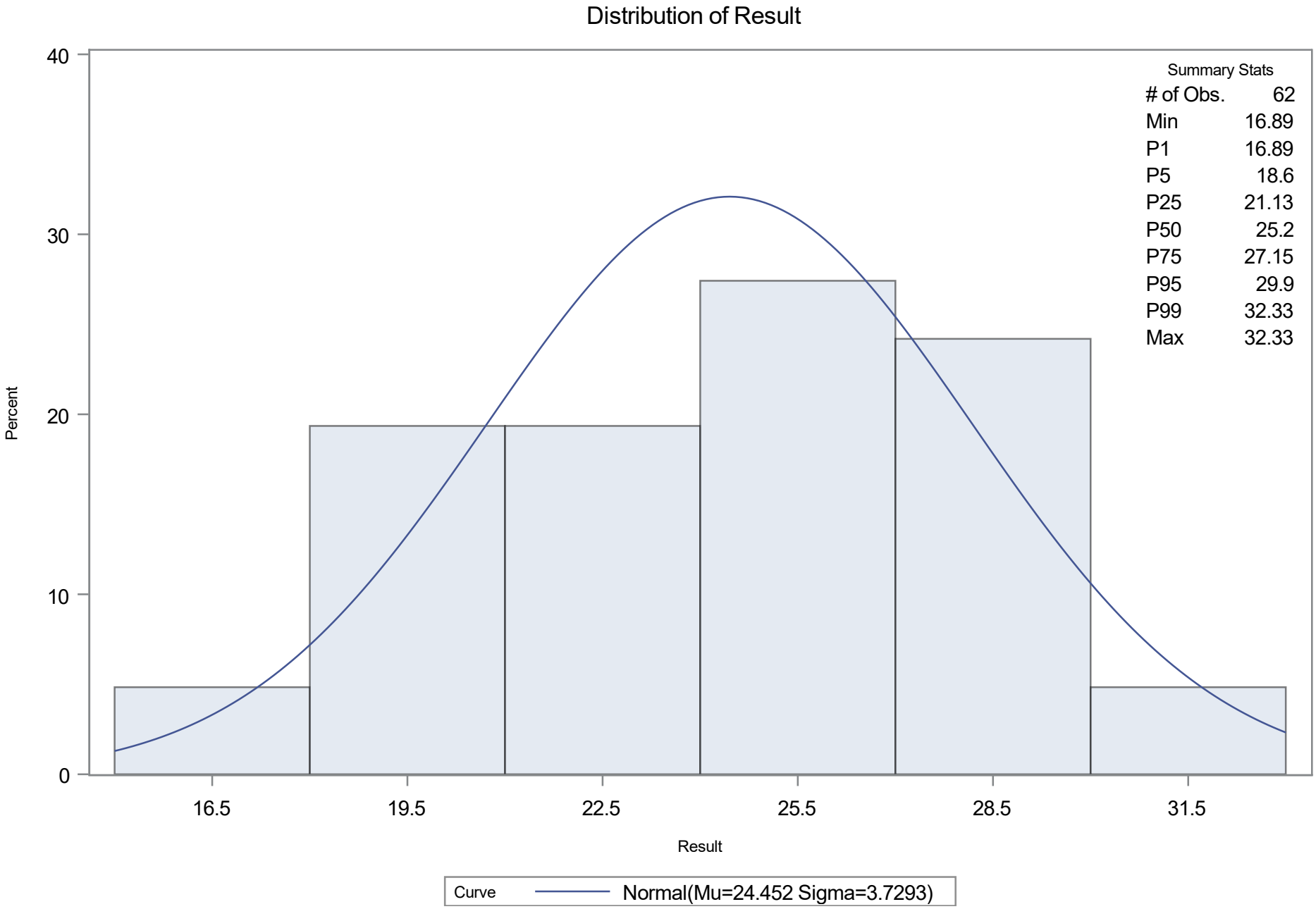

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1509
Result
30
25
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1509
Result
30
25
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.45177
Std Dev	Sigma	3.729328

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11088867	**Pr > D**	0.057
Cramer-von Mises	**W-Sq**	0.12421619	**Pr > W-Sq**	0.052
Anderson-Darling	**A-Sq**	0.66360047	**Pr > A-Sq**	0.083

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.8900	15.7761
5.0	18.6000	18.3176
10.0	19.0200	19.6724
25.0	21.1300	21.9364
50.0	25.2000	24.4518
75.0	27.1500	26.9672
90.0	28.9100	29.2311
95.0	29.9000	30.5860
99.0	32.3300	33.1275

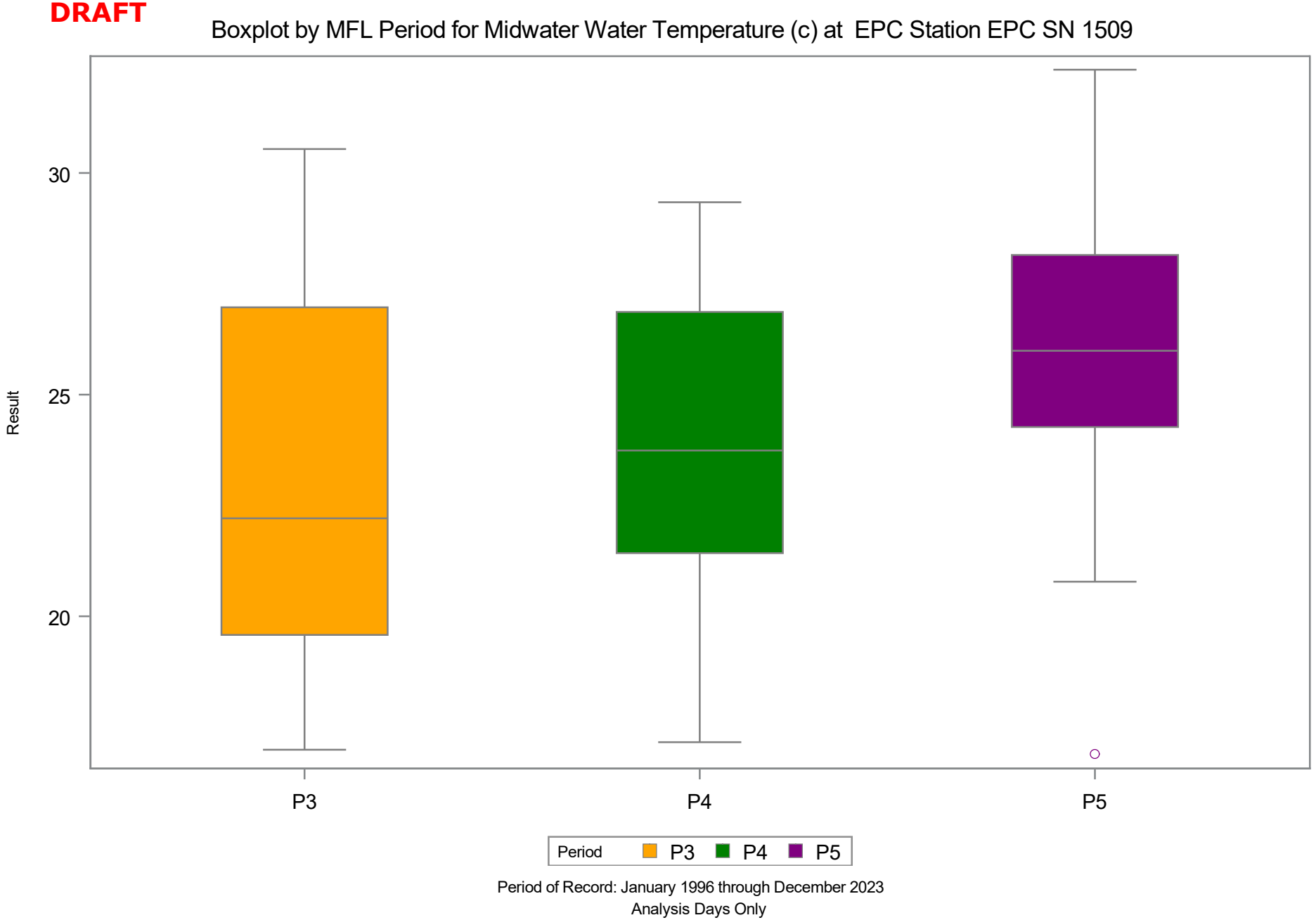
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1509**

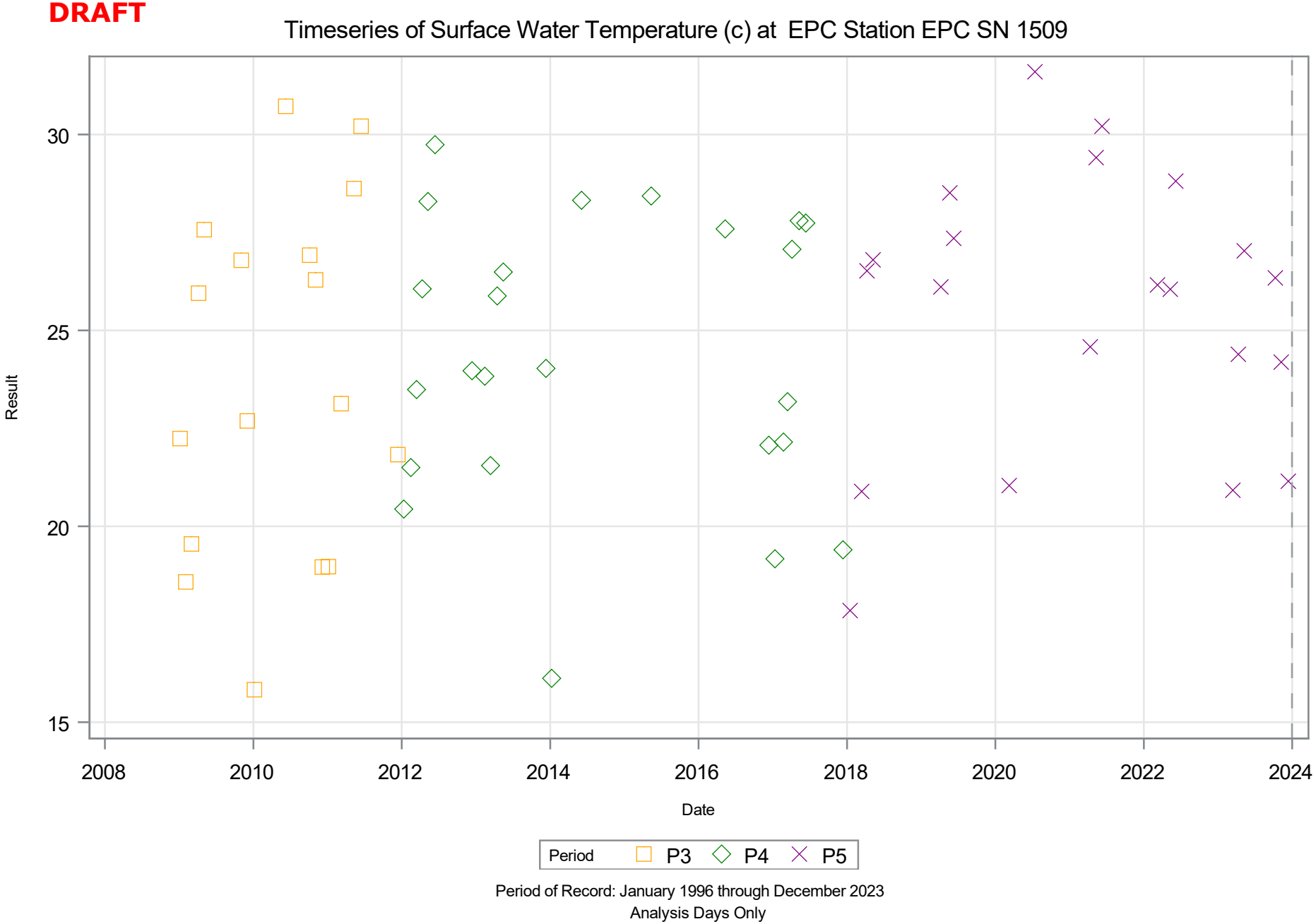
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.99	19.58	23.54	22.21	26.97	30.54
P4	24	17.16	21.42	23.99	23.74	26.87	29.34
P5	21	16.89	24.27	25.72	25.99	28.15	32.33

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

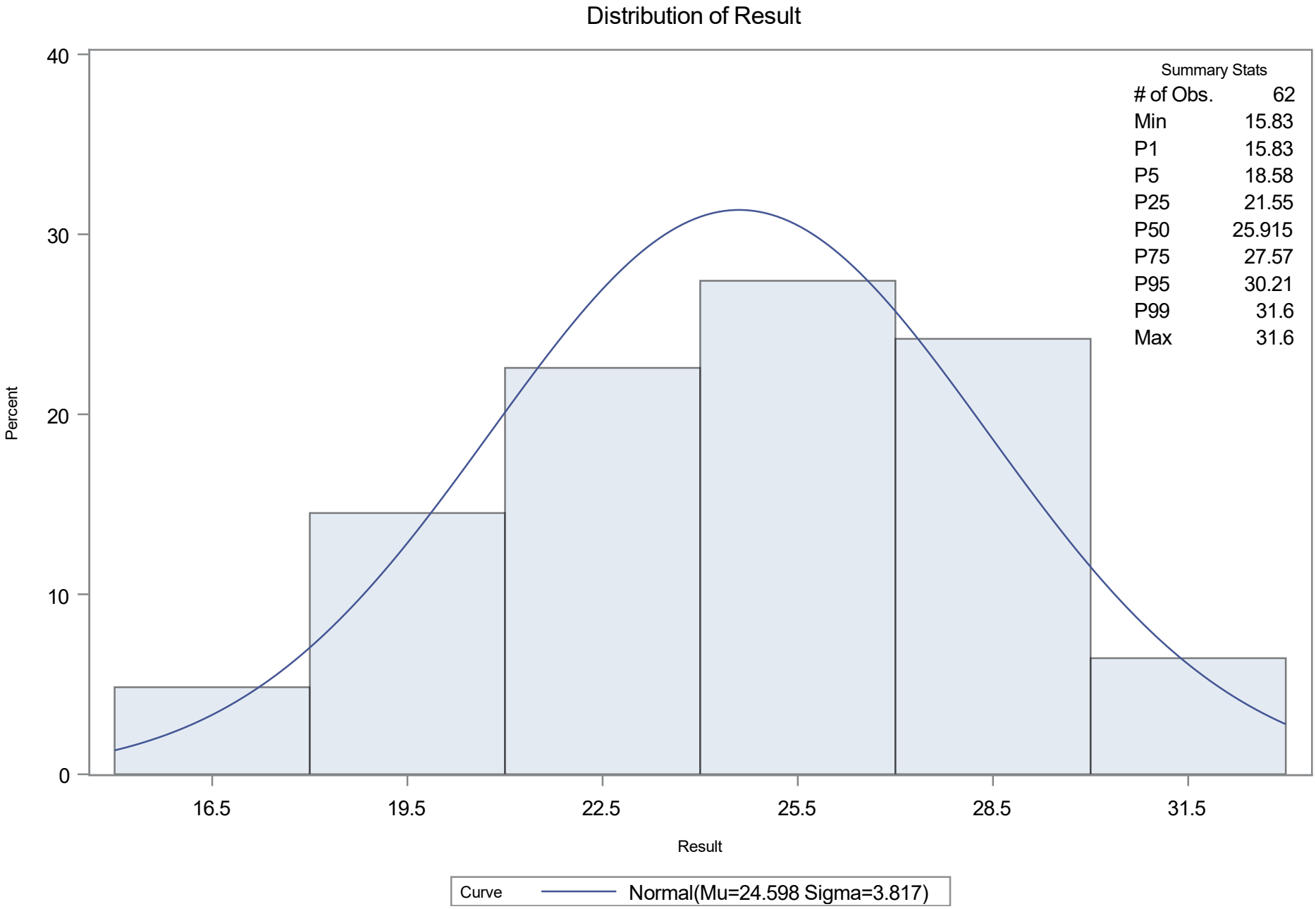

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1509
Result
30
25
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1509
Result
30
25
20
15
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1509



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1509

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.5979
Std Dev	Sigma	3.817002

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14765251	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.13688059	**Pr > W-Sq**	0.036
Anderson-Darling	**A-Sq**	0.72580837	**Pr > A-Sq**	0.057

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.8300	15.7182
5.0	18.5800	18.3195
10.0	19.1700	19.7062
25.0	21.5500	22.0234
50.0	25.9150	24.5979
75.0	27.5700	27.1724
90.0	28.8100	29.4896
95.0	30.2100	30.8763
99.0	31.6000	33.4776

Period of Record: January 1996 through December 2023
Analysis Days Only

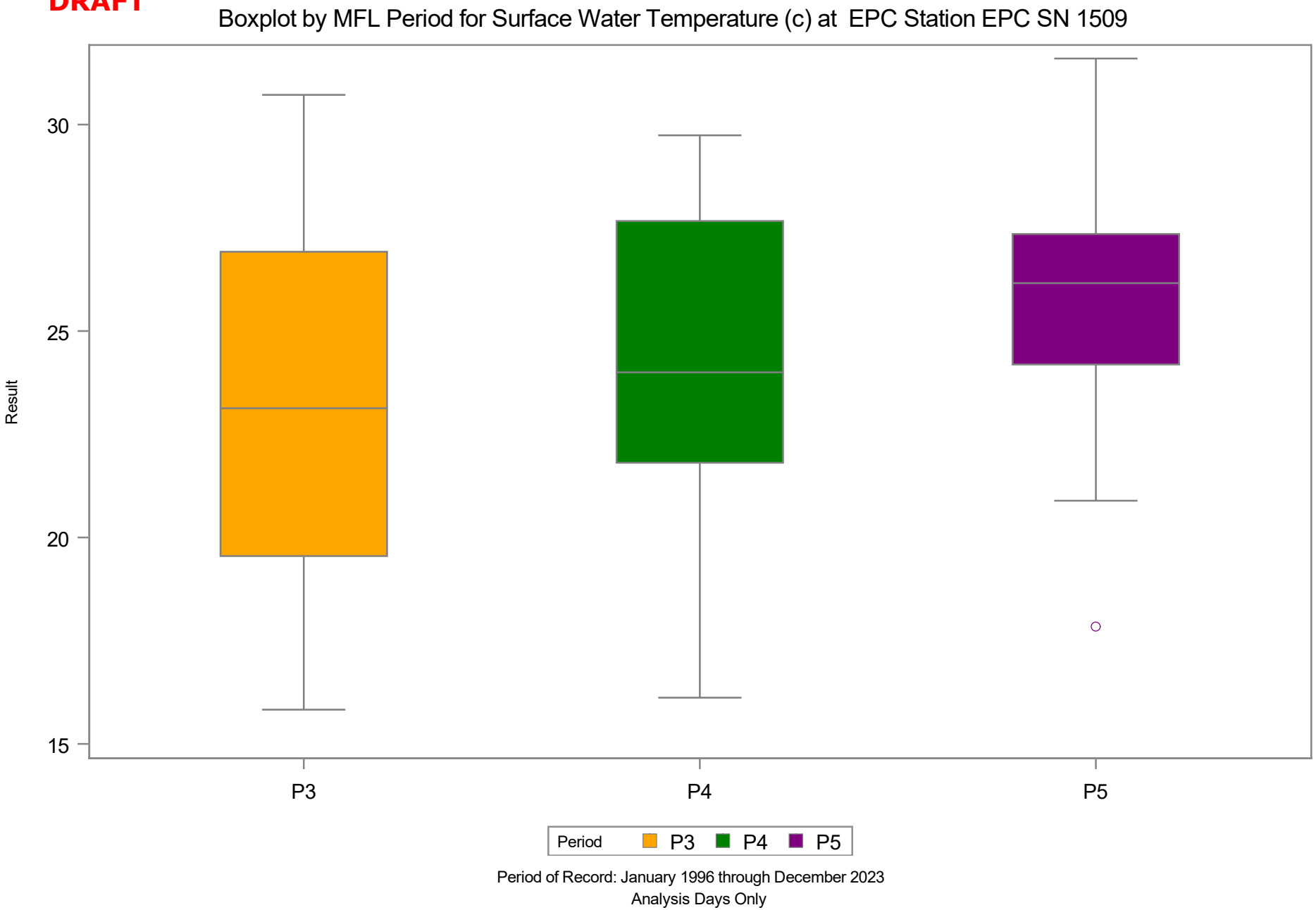
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1509

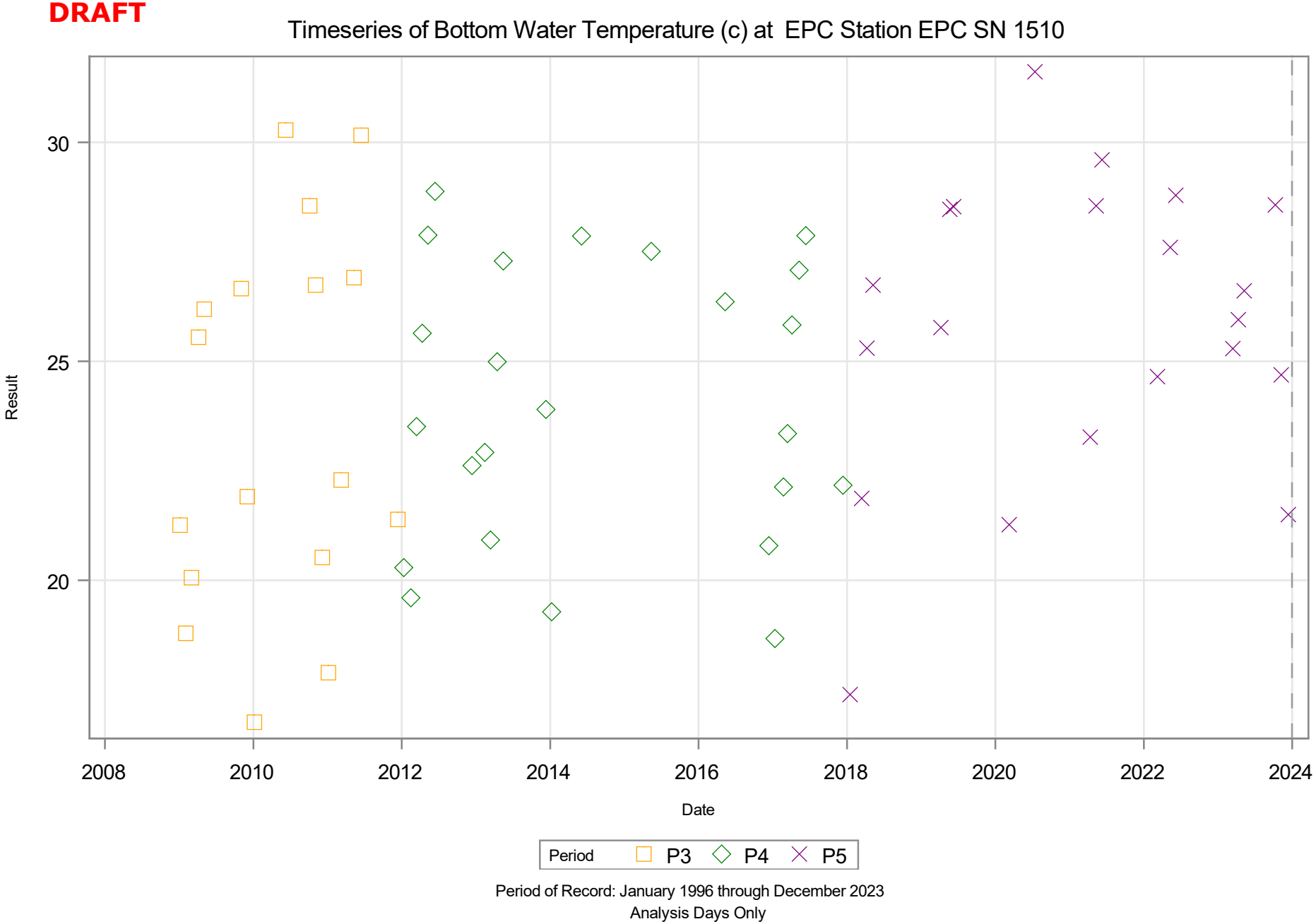
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.83	19.55	23.81	23.13	26.92	30.72
P4	24	16.12	21.81	24.35	24.00	27.67	29.74
P5	21	17.85	24.19	25.52	26.16	27.35	31.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

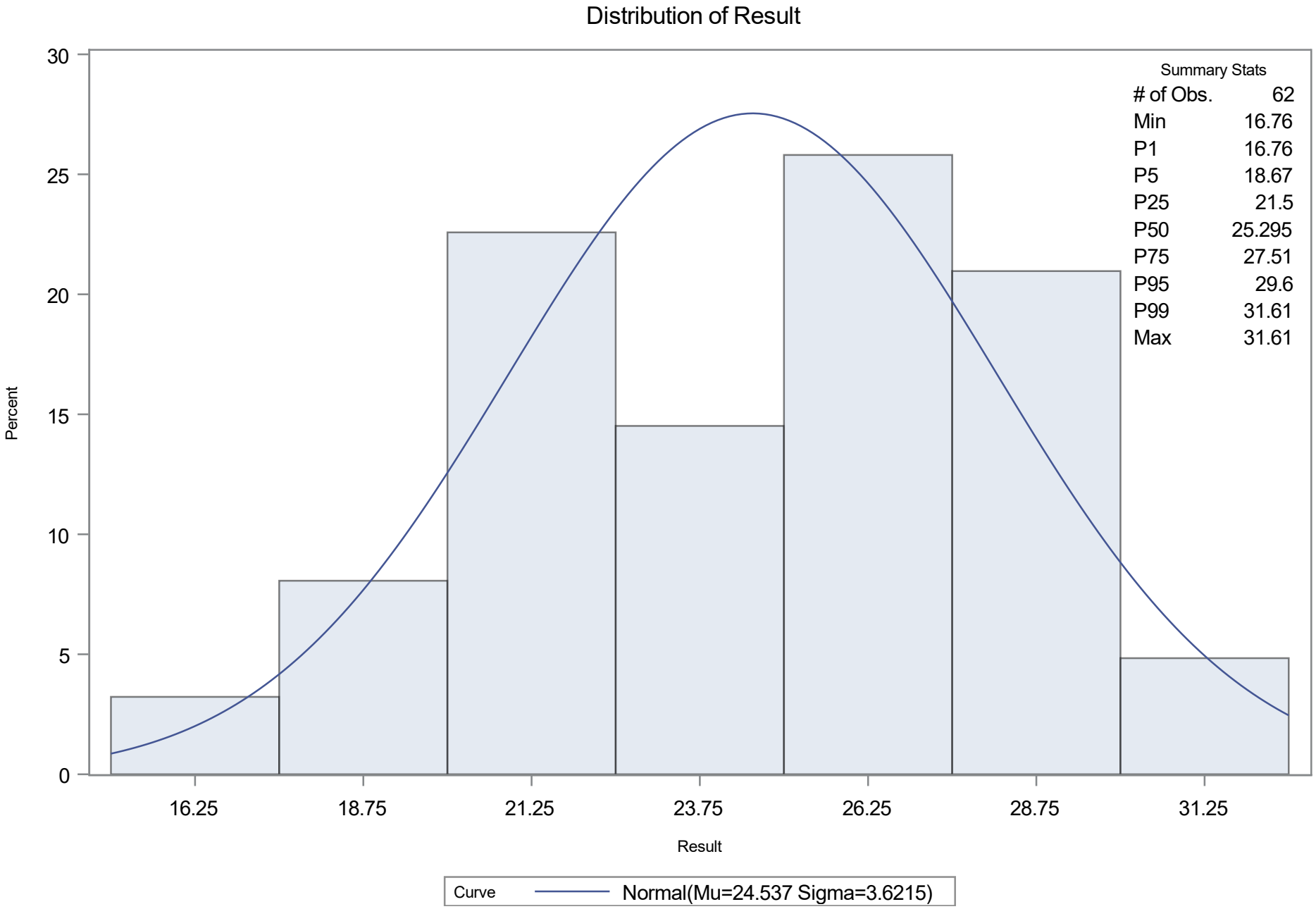

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1509
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1510
Result
30
25
20
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.53661
Std Dev	Sigma	3.621466

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09852771	**Pr > D**	0.138
Cramer-von Mises	**W-Sq**	0.12752005	**Pr > W-Sq**	0.047
Anderson-Darling	**A-Sq**	0.69156528	**Pr > A-Sq**	0.071

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.7600	16.1118
5.0	18.6700	18.5798
10.0	19.6000	19.8955
25.0	21.5000	22.0940
50.0	25.2950	24.5366
75.0	27.5100	26.9793
90.0	28.5700	29.1777
95.0	29.6000	30.4934
99.0	31.6100	32.9614

Period of Record: January 1996 through December 2023
Analysis Days Only

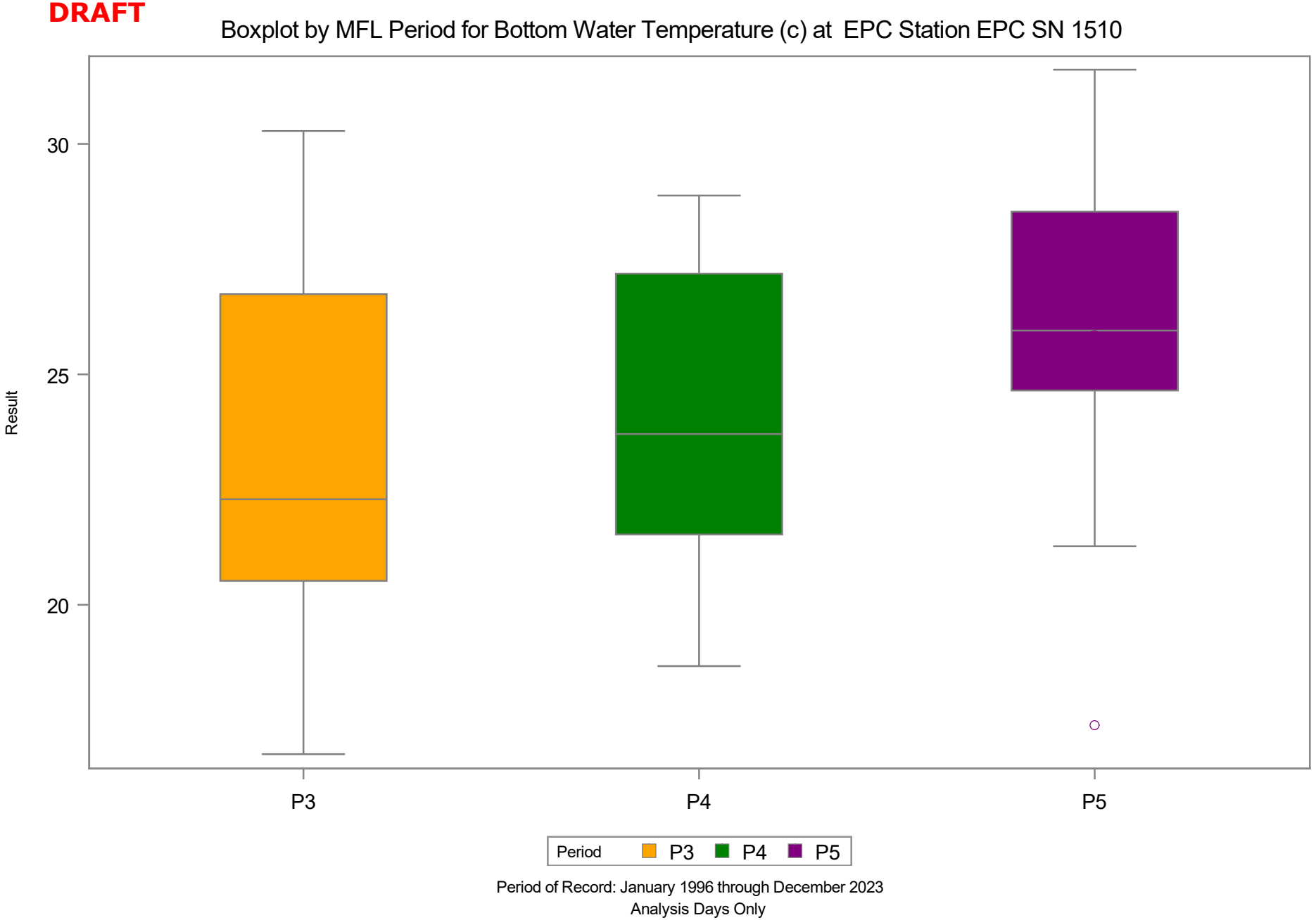
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1510

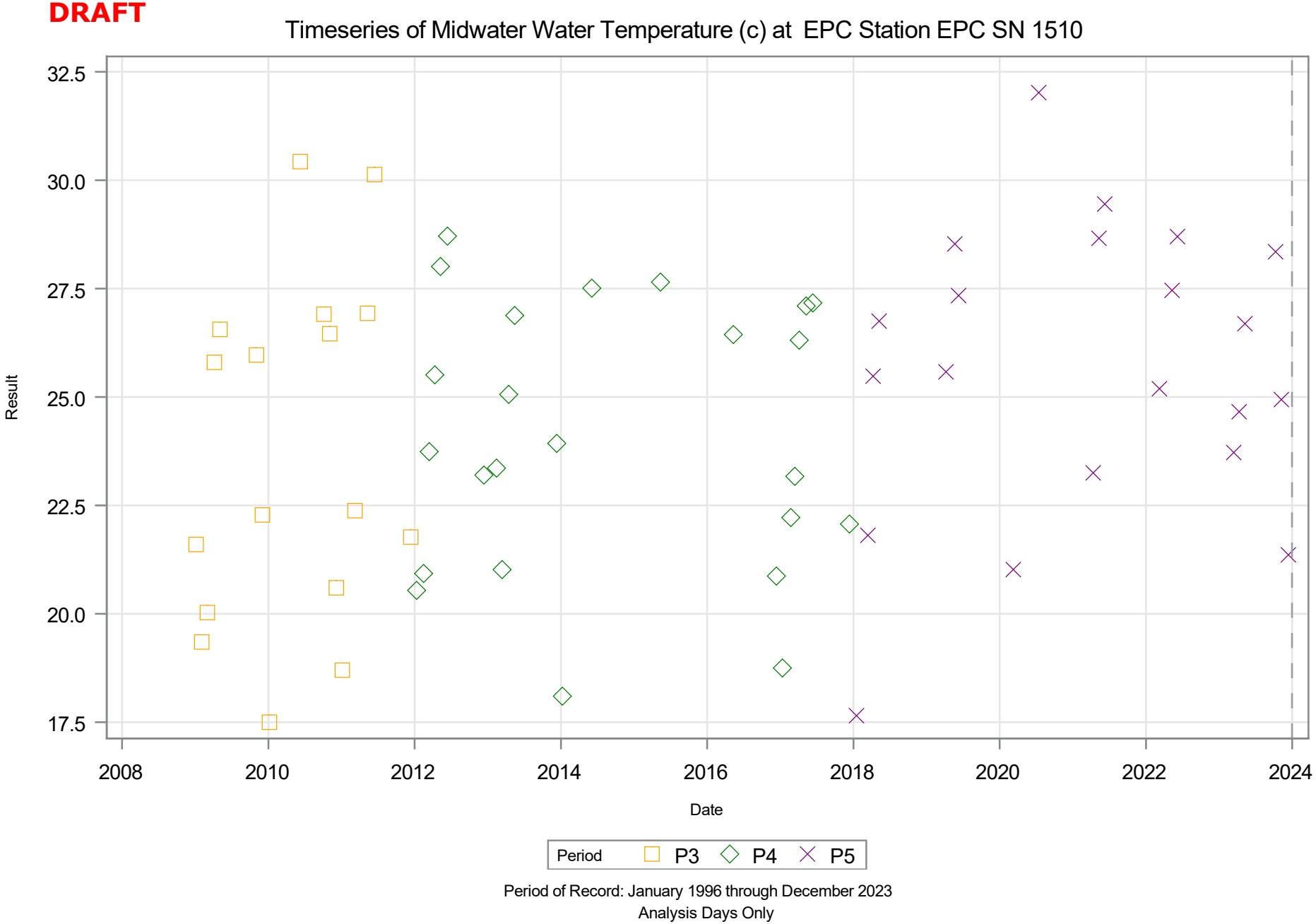
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.76	20.52	23.64	22.29	26.74	30.28
P4	24	18.67	21.53	24.06	23.71	27.19	28.88
P5	21	17.39	24.65	25.81	25.95	28.53	31.61

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

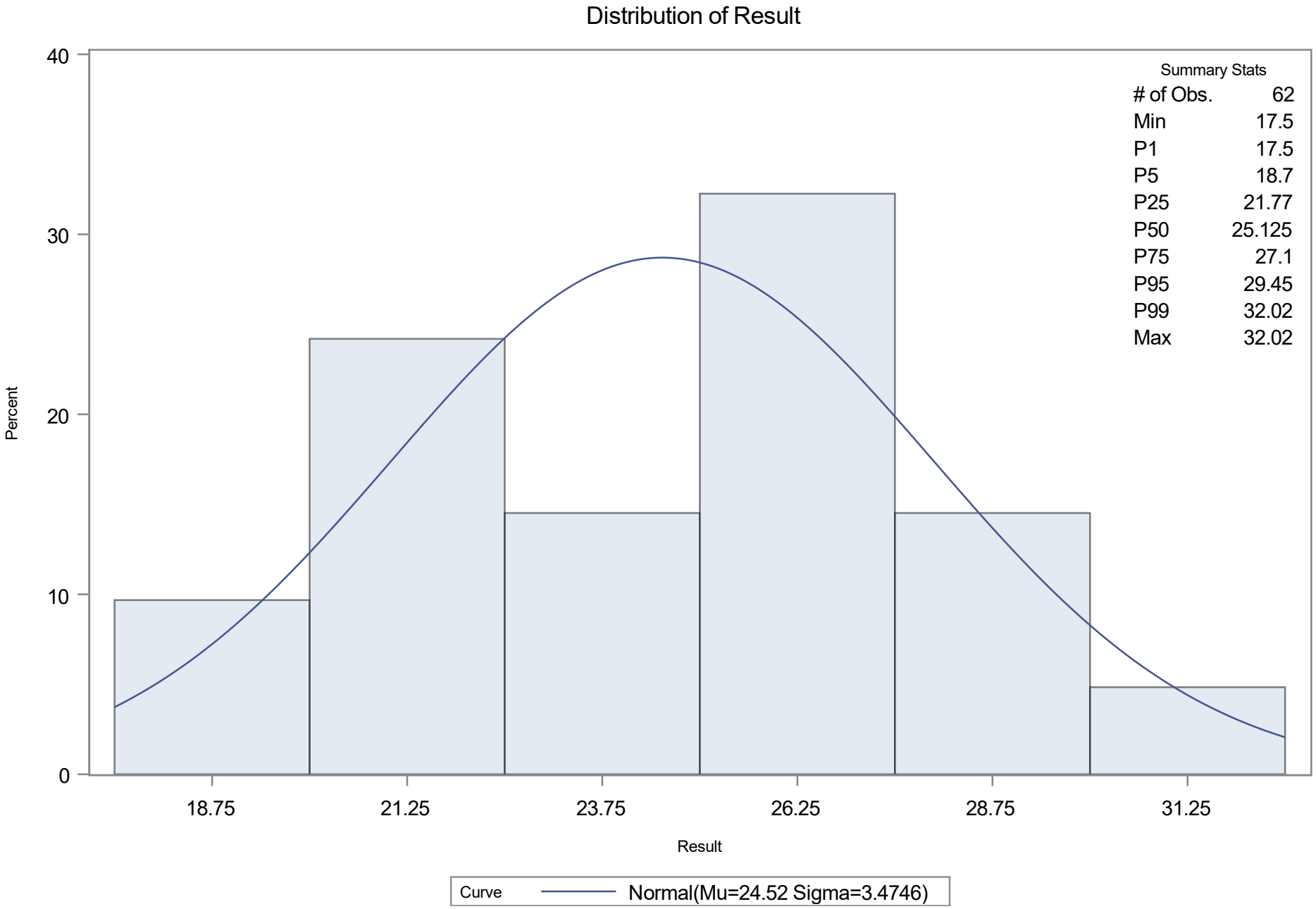

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1510
Result
30
25
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1510
Result
32.5
30.0
27.5
25.0
22.5
20.0
17.5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.52032
Std Dev	Sigma	3.47461

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09997476	**Pr > D**	0.125
Cramer-von Mises	**W-Sq**	0.11145430	**Pr > W-Sq**	0.081
Anderson-Darling	**A-Sq**	0.59341657	**Pr > A-Sq**	0.121

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.5000	16.4372
5.0	18.7000	18.8051
10.0	20.0300	20.0674
25.0	21.7700	22.1767
50.0	25.1250	24.5203
75.0	27.1000	26.8639
90.0	28.6600	28.9732
95.0	29.4500	30.2355
99.0	32.0200	32.6035

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1510**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	17.50	20.60	23.73	22.38	26.56	30.43
P4	24	18.10	21.55	24.09	23.84	26.99	28.71
P5	21	17.65	23.72	25.65	25.58	28.35	32.02

Period of Record: January 1996 through December 2023
Analysis Days Only

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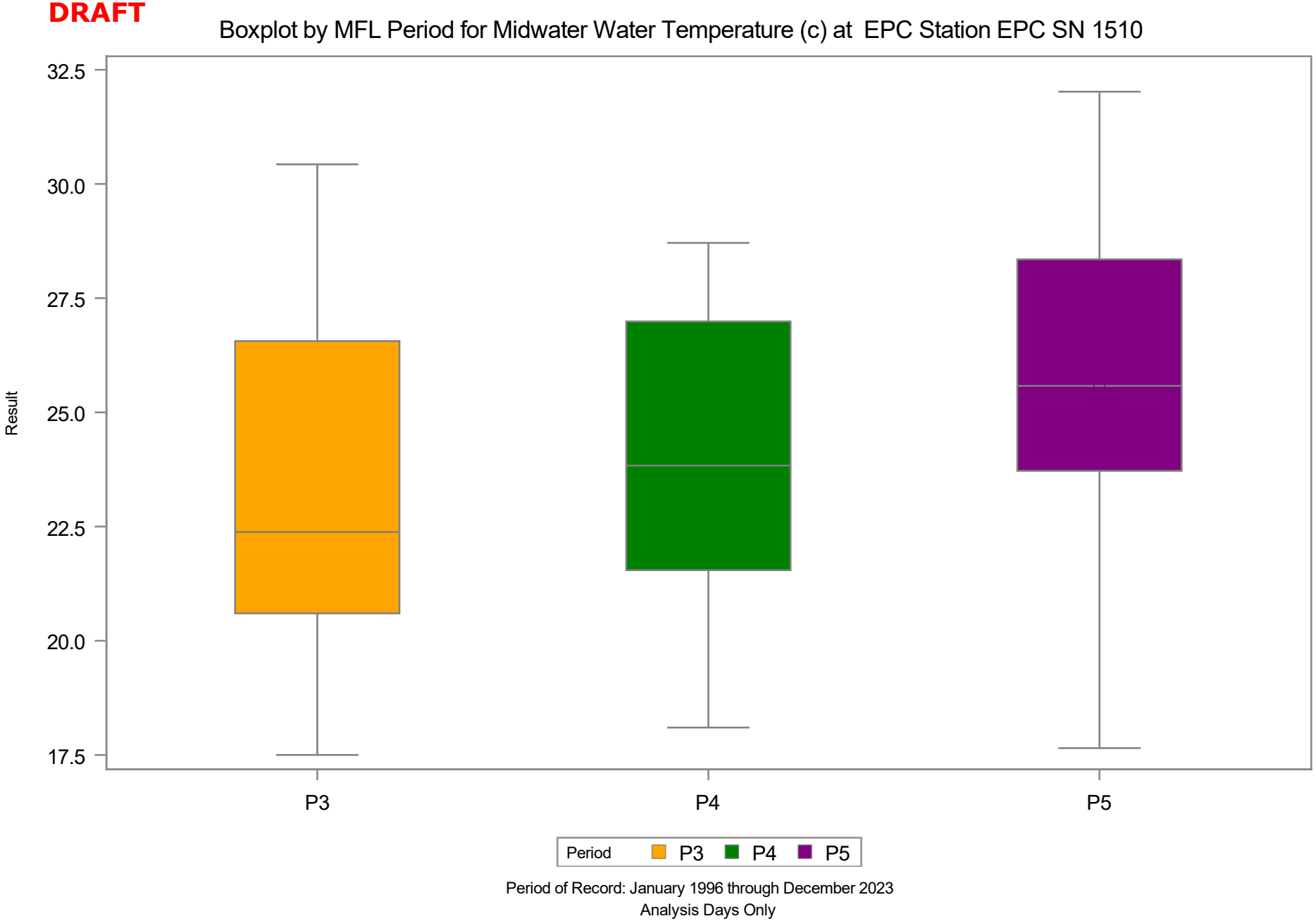
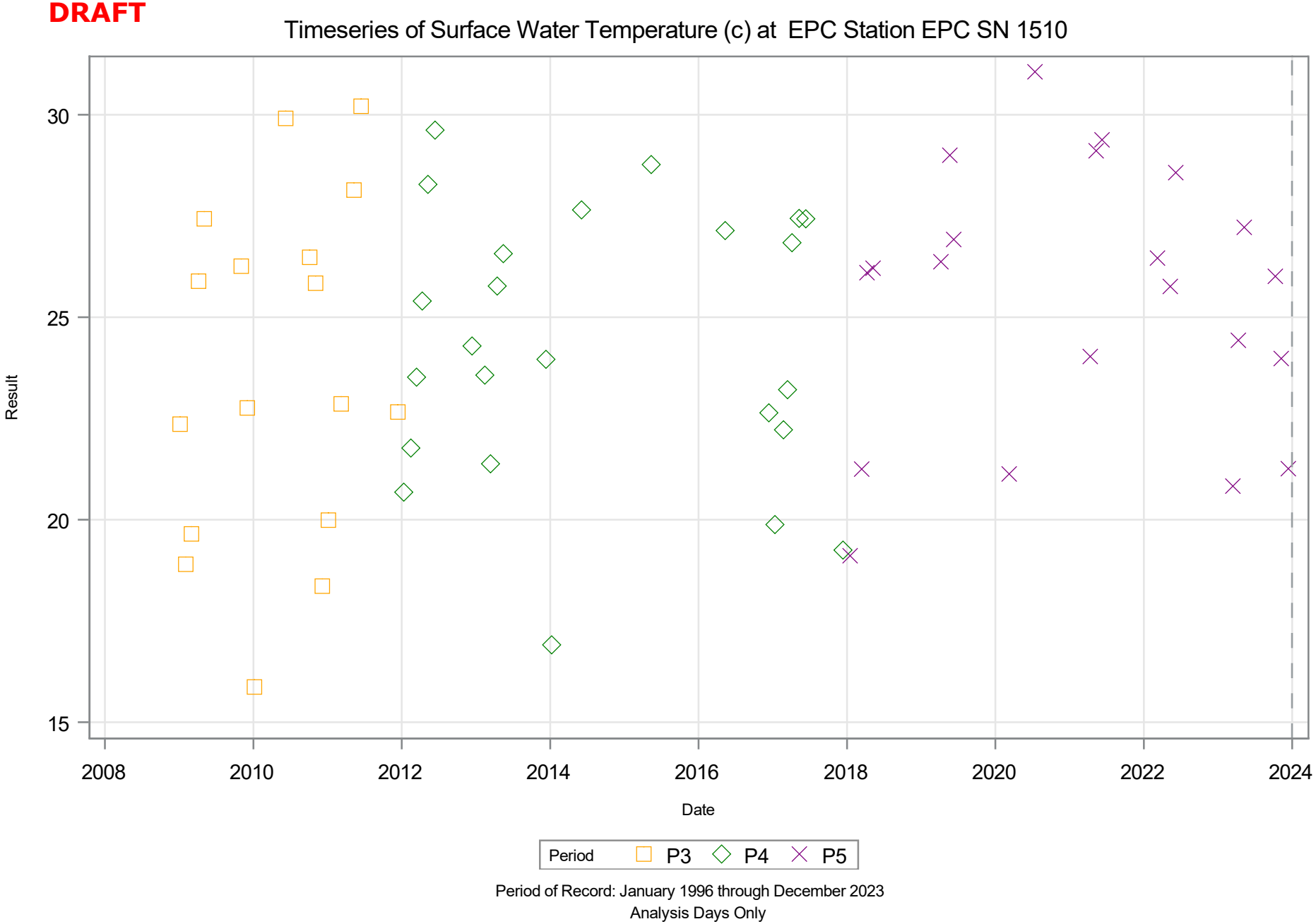

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1510
Result
32.5
30.0
27.5
25.0
22.5
20.0
17.5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

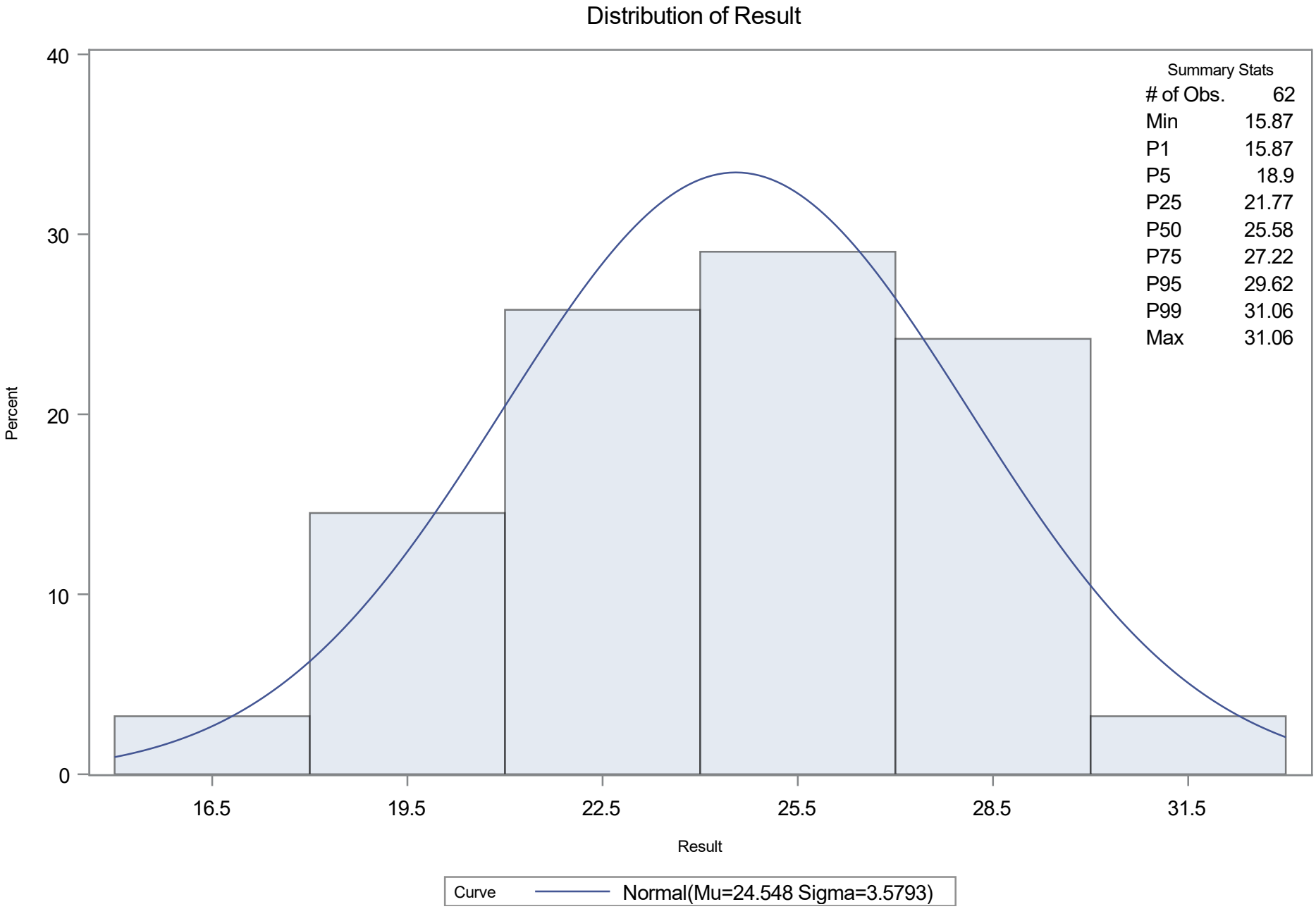
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.54758
Std Dev	Sigma	3.579324

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13259288	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.10791955	**Pr > W-Sq**	0.089
Anderson-Darling	**A-Sq**	0.57827462	**Pr > A-Sq**	0.132

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.8700	16.2208
5.0	18.9000	18.6601
10.0	19.6500	19.9605
25.0	21.7700	22.1334
50.0	25.5800	24.5476
75.0	27.2200	26.9618
90.0	29.0000	29.1347
95.0	29.6200	30.4350
99.0	31.0600	32.8743

Period of Record: January 1996 through December 2023
Analysis Days Only

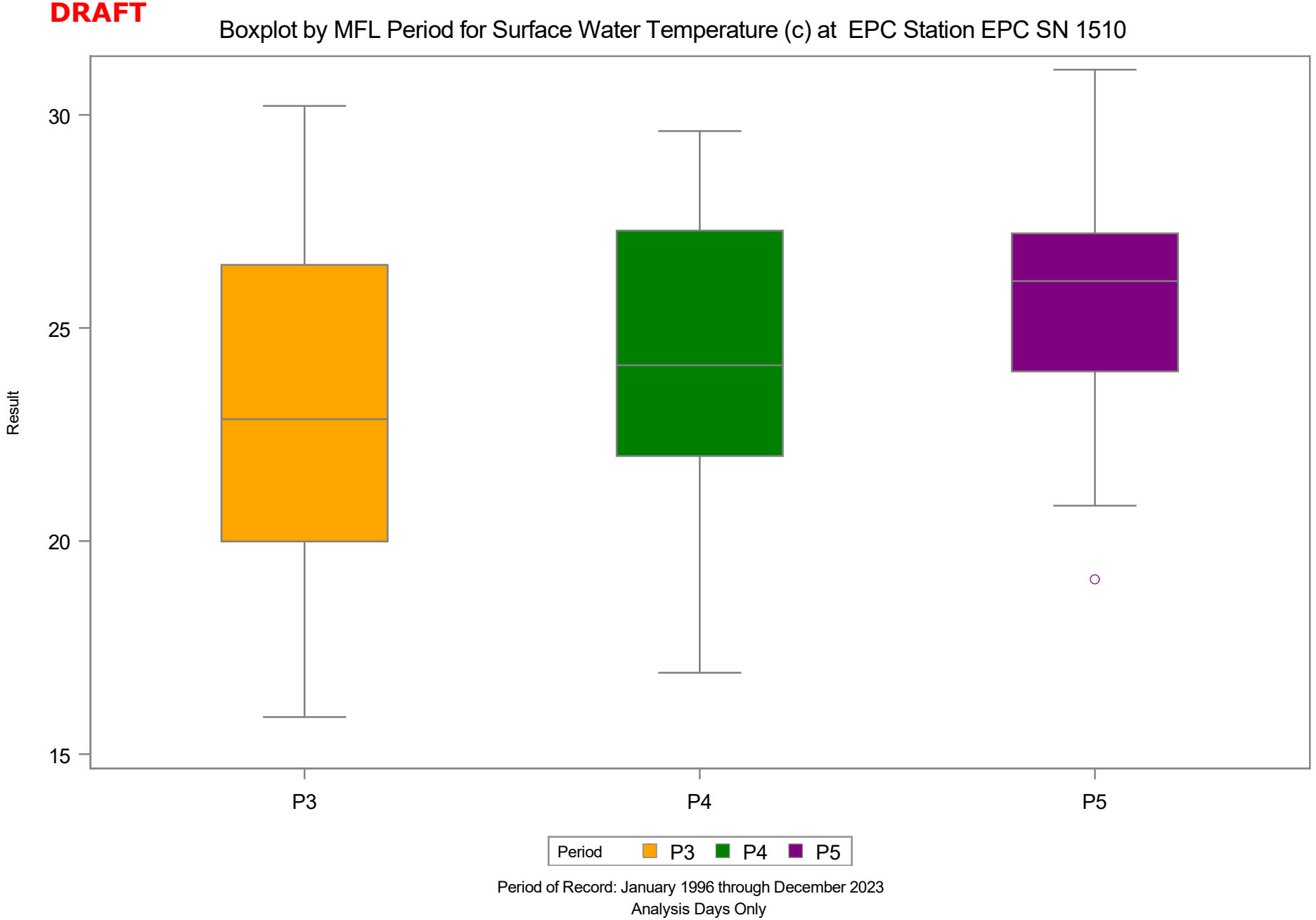
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1510

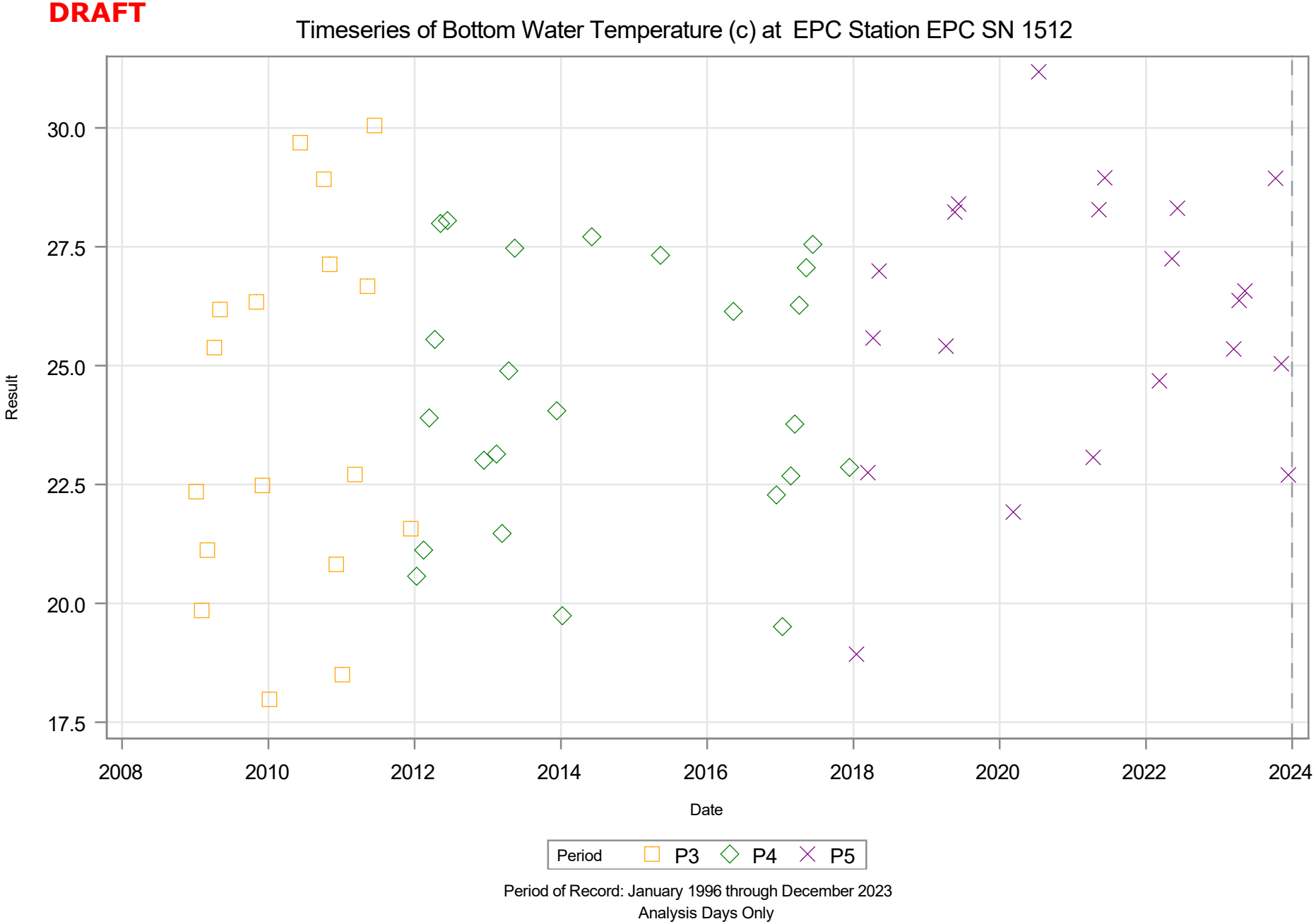
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.87	19.99	23.74	22.86	26.48	30.21
P4	24	16.91	22.00	24.34	24.13	27.29	29.62
P5	21	19.11	23.98	25.44	26.10	27.22	31.06

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

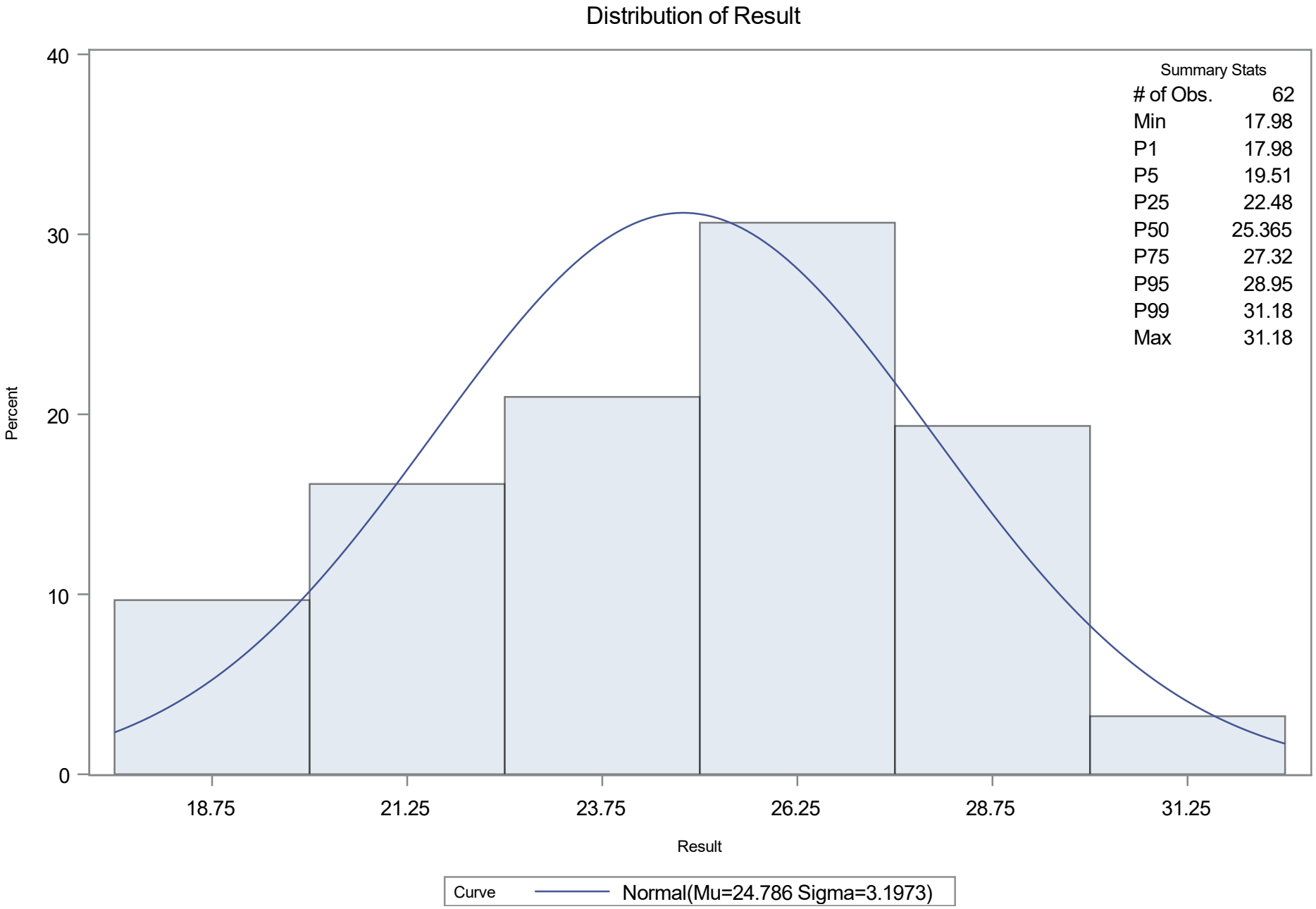

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1510
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1512
Result
30.0
27.5
25.0
22.5
20.0
17.5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.78613
Std Dev	Sigma	3.197272

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09949880	**Pr > D**	0.129
Cramer-von Mises	**W-Sq**	0.10978827	**Pr > W-Sq**	0.085
Anderson-Darling	**A-Sq**	0.60014881	**Pr > A-Sq**	0.117

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.9800	17.3482
5.0	19.5100	19.5271
10.0	20.5700	20.6887
25.0	22.4800	22.6296
50.0	25.3650	24.7861
75.0	27.3200	26.9427
90.0	28.4000	28.8836
95.0	28.9500	30.0452
99.0	31.1800	32.2241

Period of Record: January 1996 through December 2023
Analysis Days Only

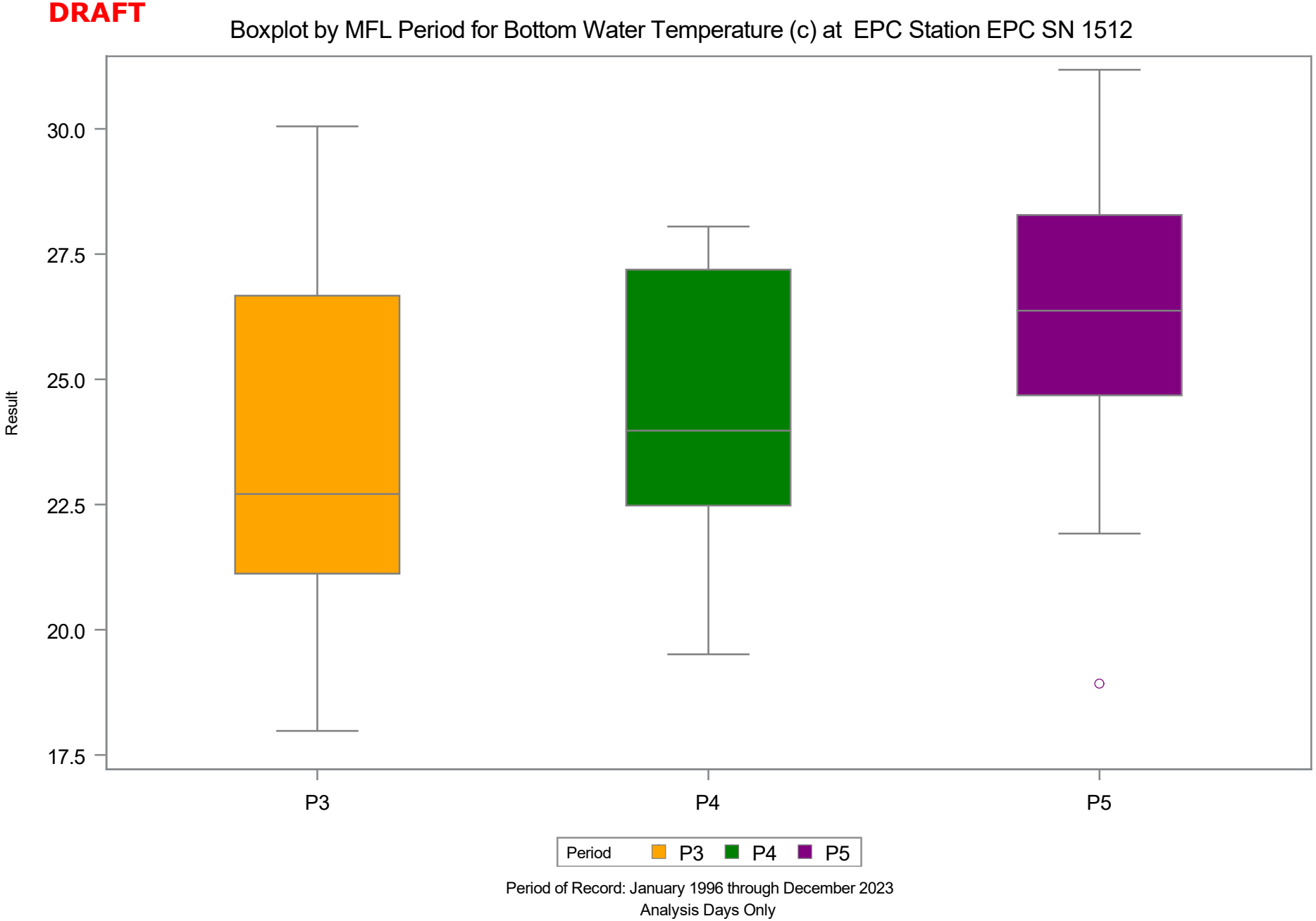
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1512

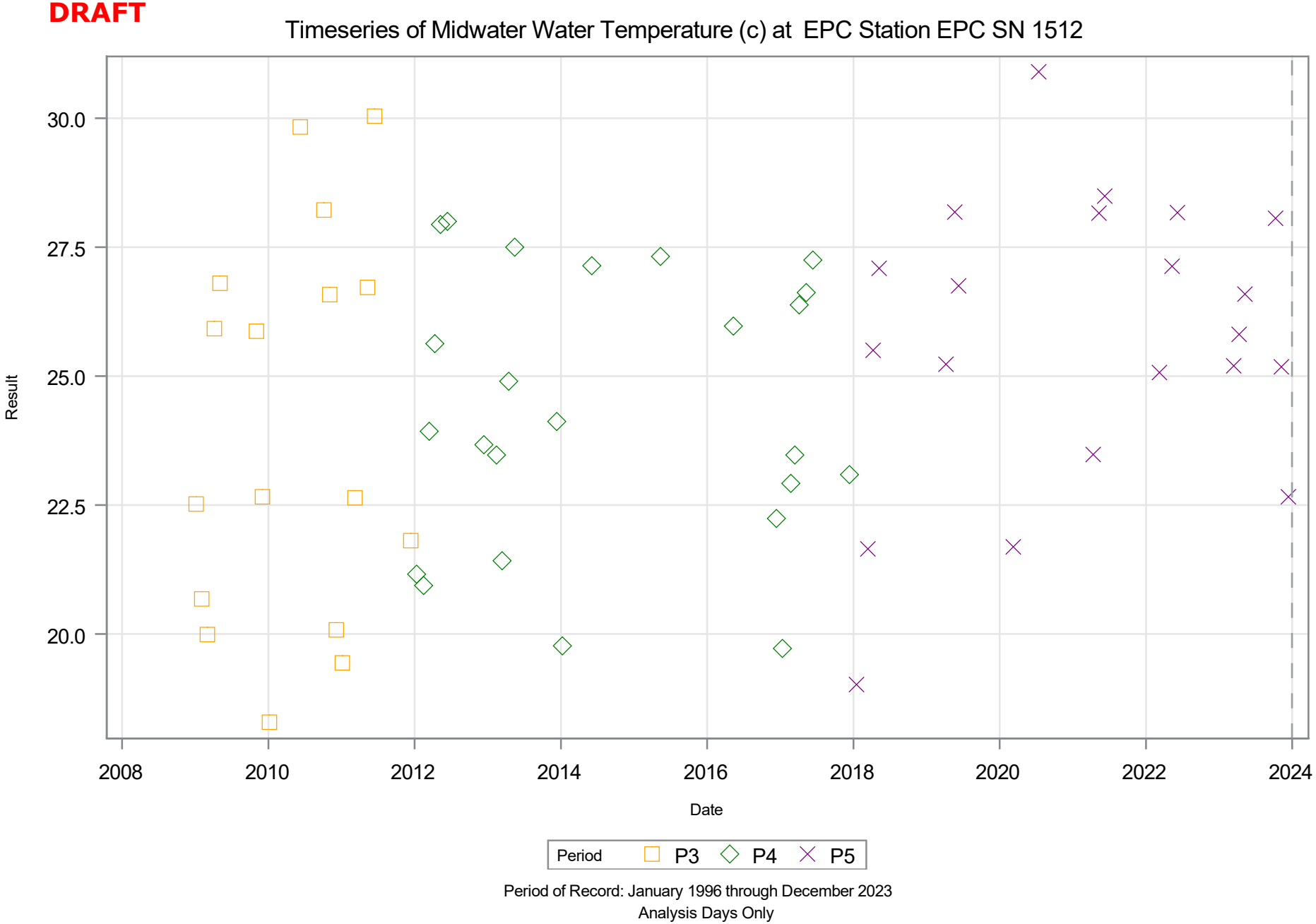
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	17.98	21.12	23.98	22.71	26.67	30.05
P4	24	19.51	22.48	24.34	23.98	27.19	28.05
P5	21	18.93	24.68	25.95	26.37	28.28	31.18

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

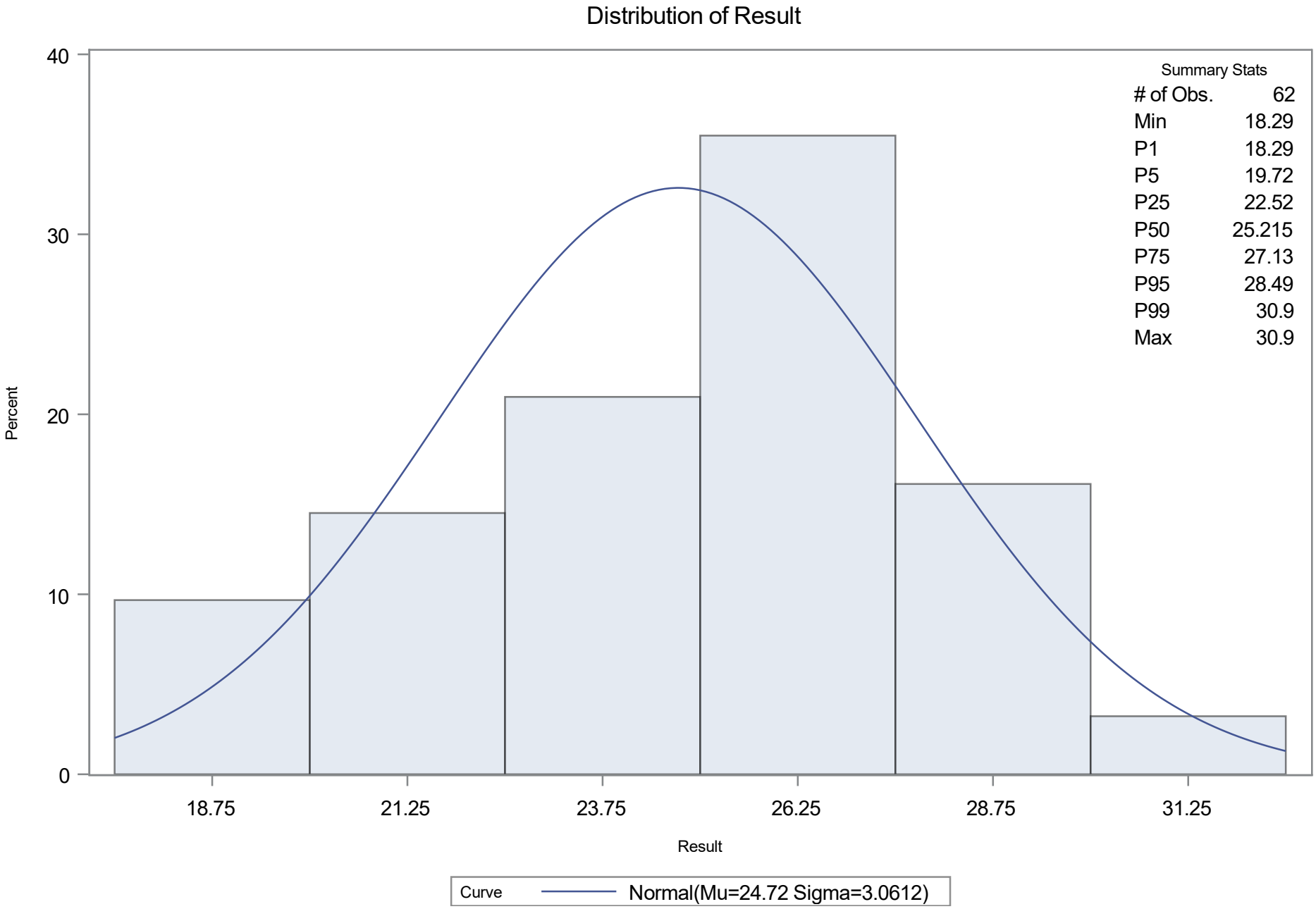

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1512
Result
30.0
27.5
25.0
22.5
20.0
17.5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1512
Result
30.0
27.5
25.0
22.5
20.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.72048
Std Dev	Sigma	3.061186

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09919144	**Pr > D**	0.132
Cramer-von Mises	**W-Sq**	0.12690024	**Pr > W-Sq**	0.048
Anderson-Darling	**A-Sq**	0.71345326	**Pr > A-Sq**	0.062

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.2900	17.5991
5.0	19.7200	19.6853
10.0	20.0800	20.7974
25.0	22.5200	22.6557
50.0	25.2150	24.7205
75.0	27.1300	26.7852
90.0	28.1700	28.6436
95.0	28.4900	29.7557
99.0	30.9000	31.8419

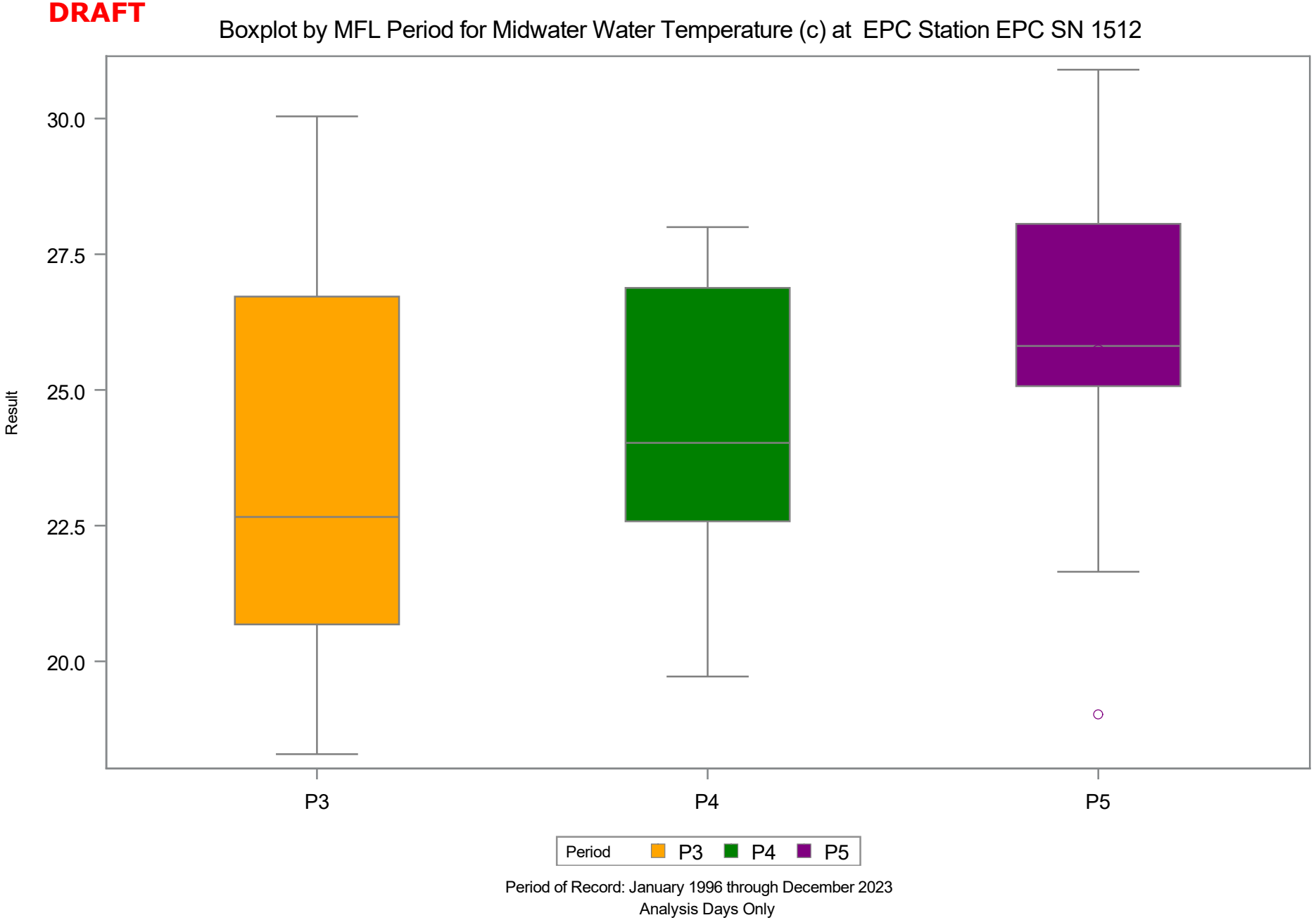
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1512**

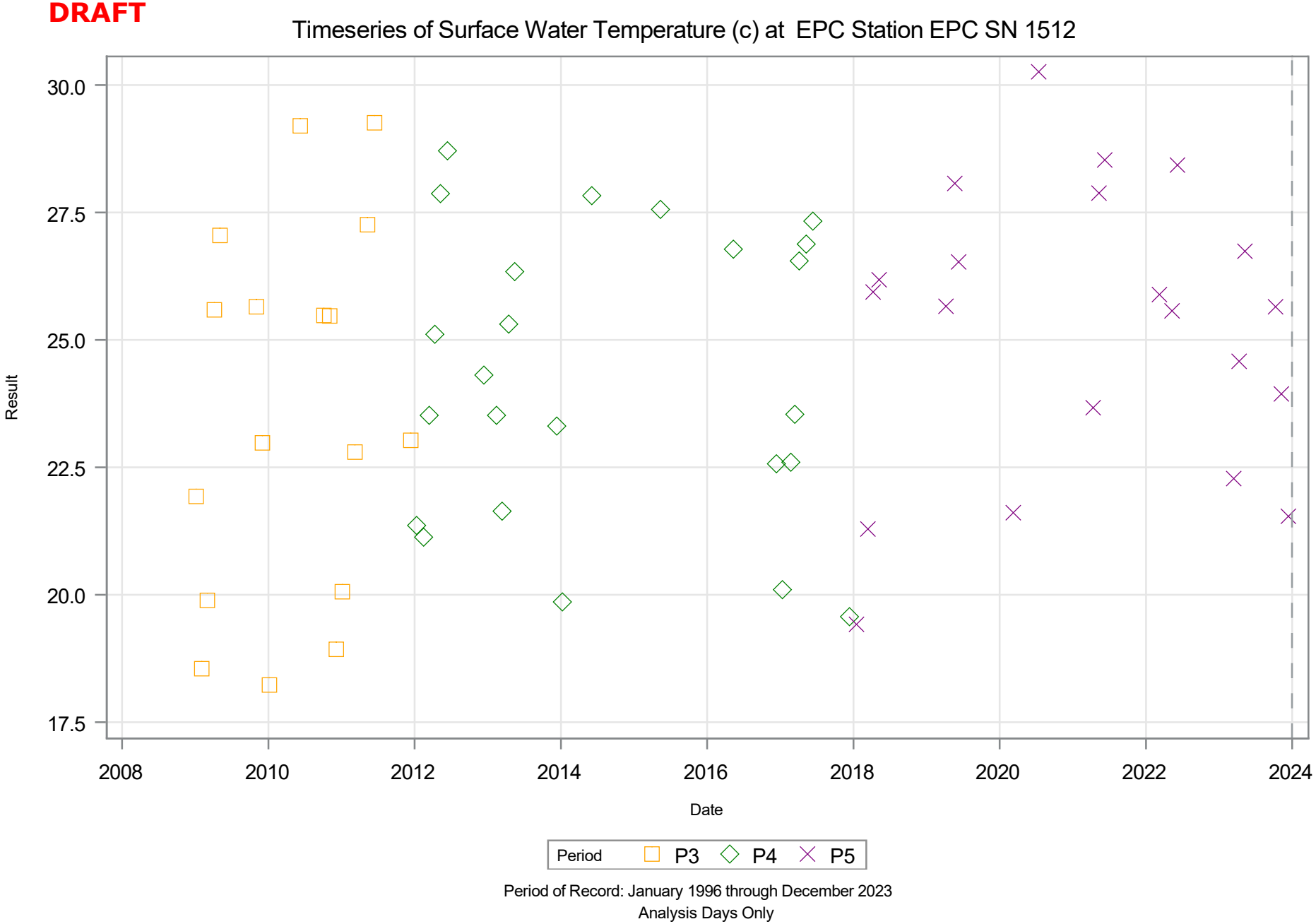
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	18.29	20.68	24.01	22.66	26.72	30.04
P4	24	19.72	22.58	24.36	24.03	26.88	28.00
P5	21	19.02	25.07	25.71	25.81	28.06	30.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

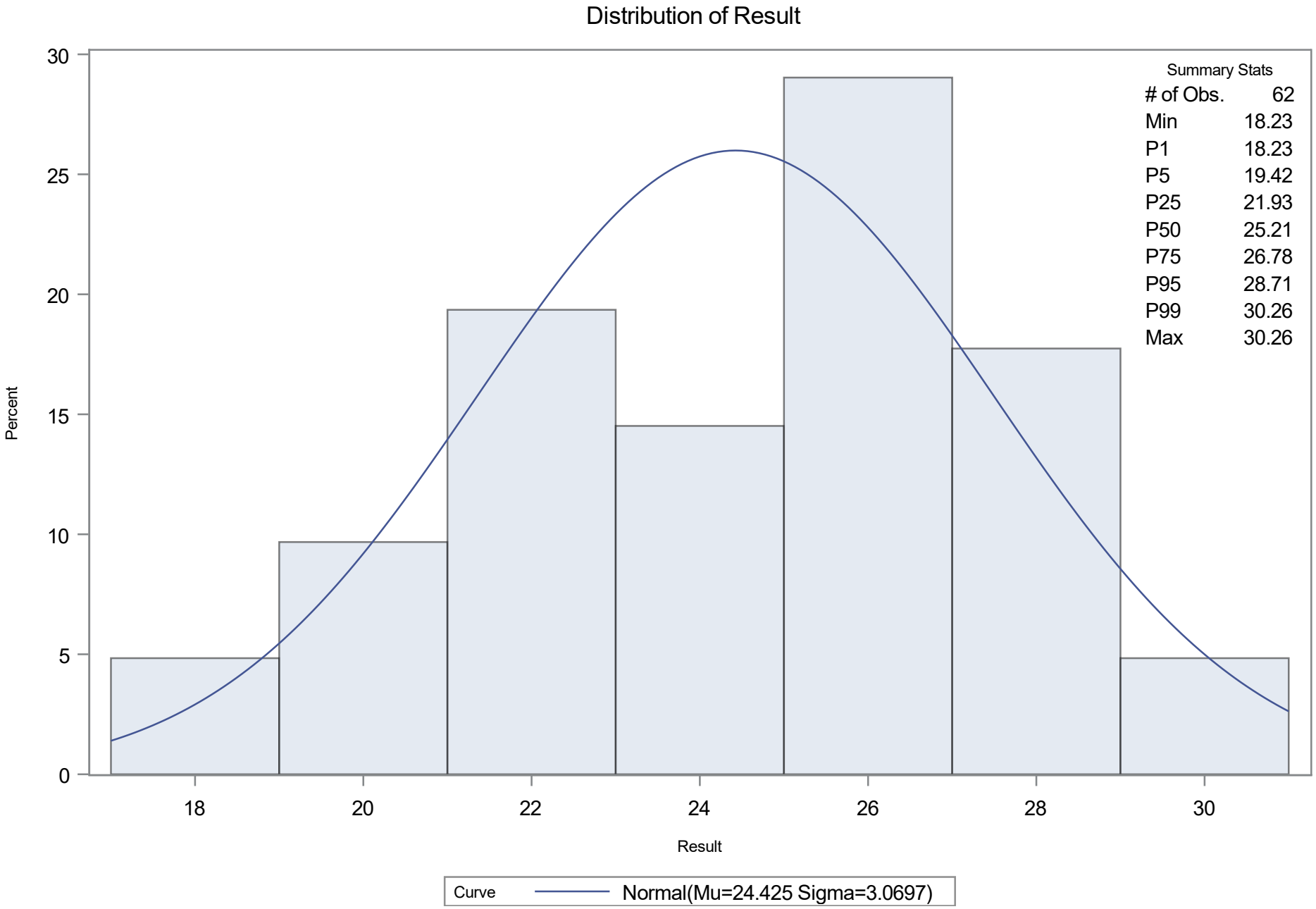

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1512
Result
30.0
27.5
25.0
22.5
20.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1512
Result
30.0
27.5
25.0
22.5
20.0
17.5
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1512



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1512

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.42452
Std Dev	Sigma	3.06972

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11716092	**Pr > D**	0.034
Cramer-von Mises	**W-Sq**	0.10557483	**Pr > W-Sq**	0.094
Anderson-Darling	**A-Sq**	0.61703881	**Pr > A-Sq**	0.104

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.2300	17.2833
5.0	19.4200	19.3753
10.0	19.8900	20.4905
25.0	21.9300	22.3540
50.0	25.2100	24.4245
75.0	26.7800	26.4950
90.0	28.0700	28.3585
95.0	28.7100	29.4738
99.0	30.2600	31.5658

Period of Record: January 1996 through December 2023
Analysis Days Only

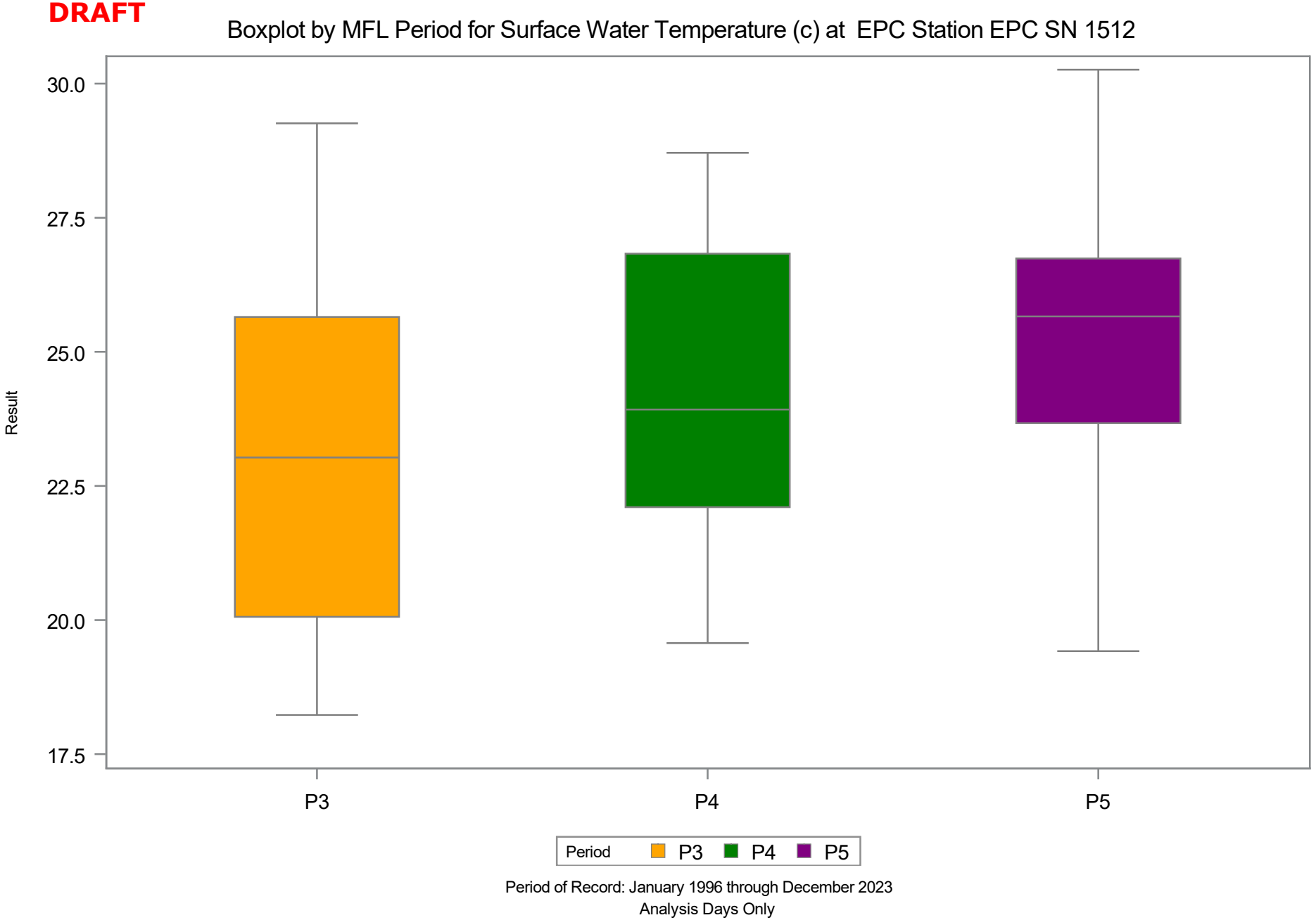
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1512

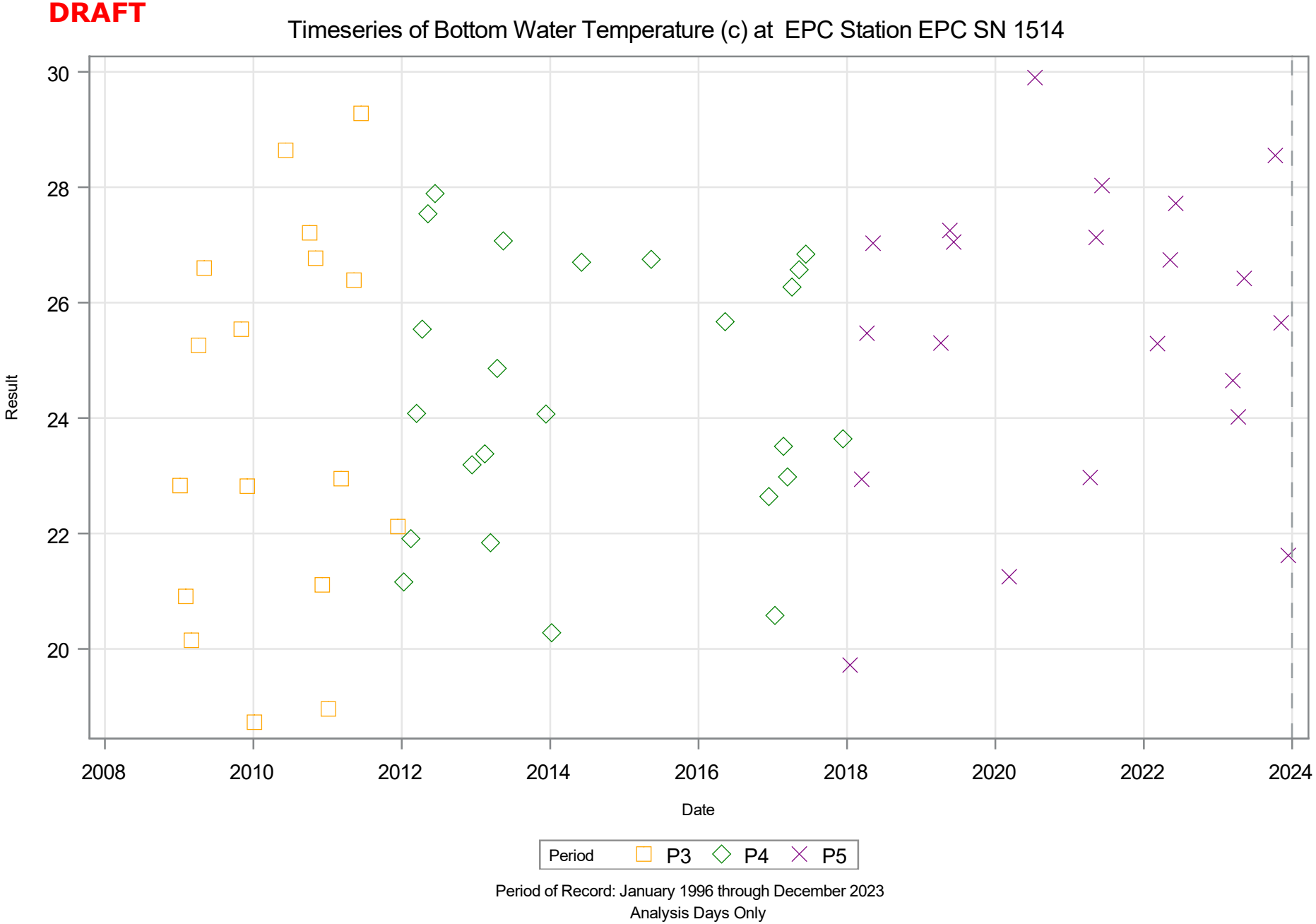
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	18.23	20.06	23.61	23.03	25.65	29.26
P4	24	19.57	22.11	24.30	23.92	26.83	28.71
P5	21	19.42	23.67	25.22	25.66	26.74	30.26

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1512
Result
30.0
27.5
25.0
22.5
20.0
17.5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

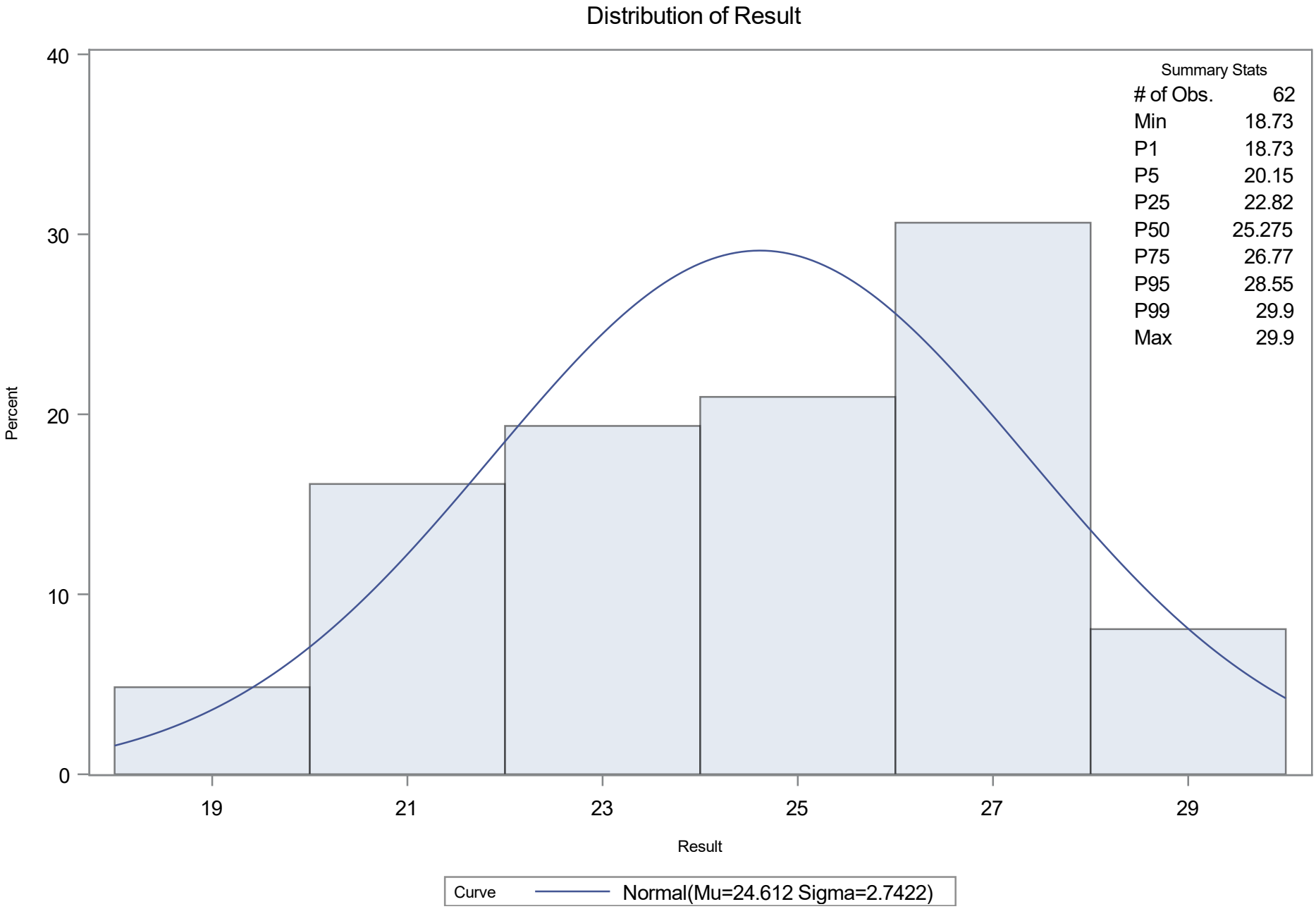
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.61177
Std Dev	Sigma	2.74222

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11440823	**Pr > D**	0.043
Cramer-von Mises	**W-Sq**	0.14045969	**Pr > W-Sq**	0.032
Anderson-Darling	**A-Sq**	0.76899658	**Pr > A-Sq**	0.044

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.7300	18.2324
5.0	20.1500	20.1012
10.0	20.9100	21.0975
25.0	22.8200	22.7622
50.0	25.2750	24.6118
75.0	26.7700	26.4614
90.0	27.7200	28.1261
95.0	28.5500	29.1223
99.0	29.9000	30.9911

Period of Record: January 1996 through December 2023
Analysis Days Only

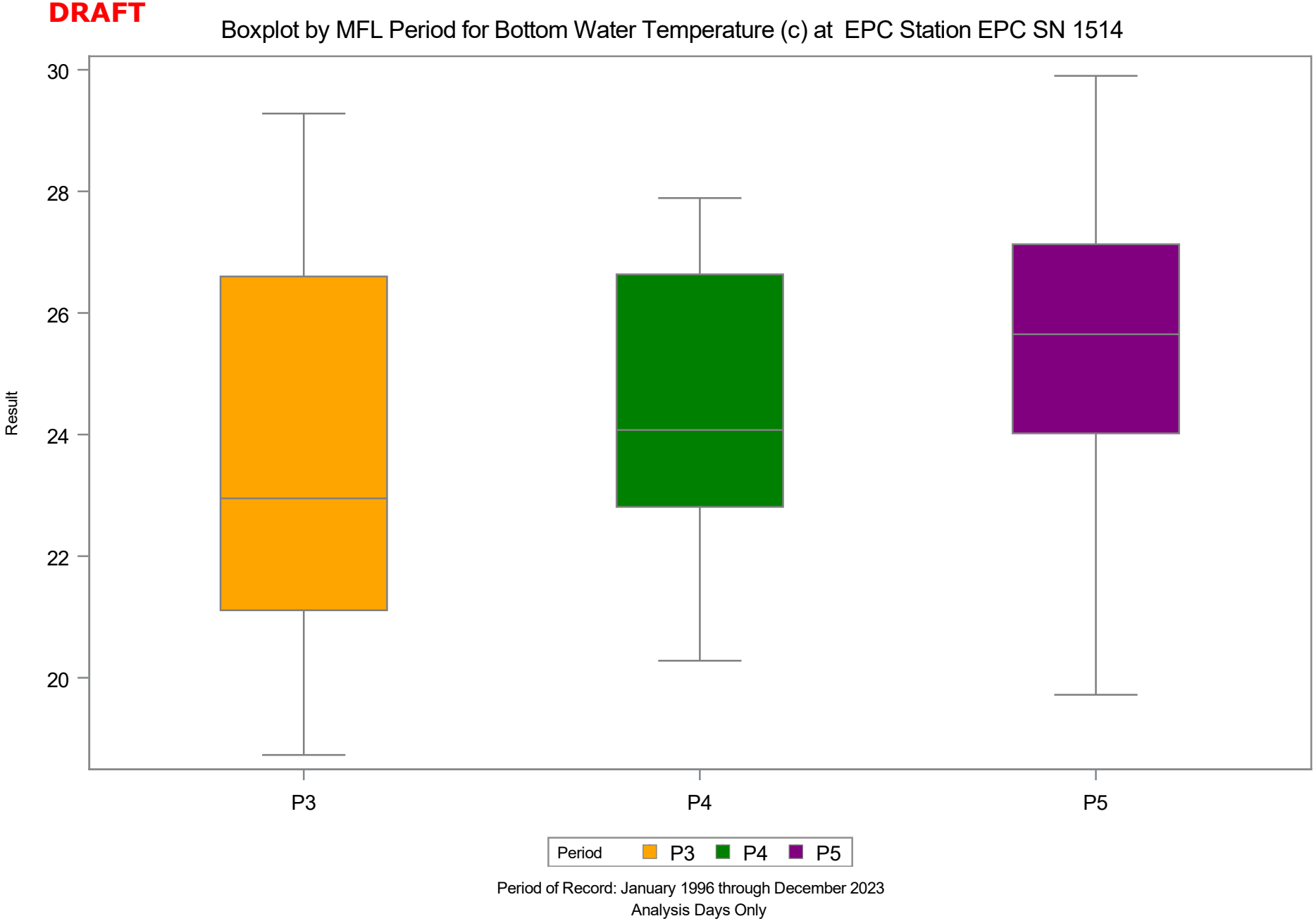
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1514

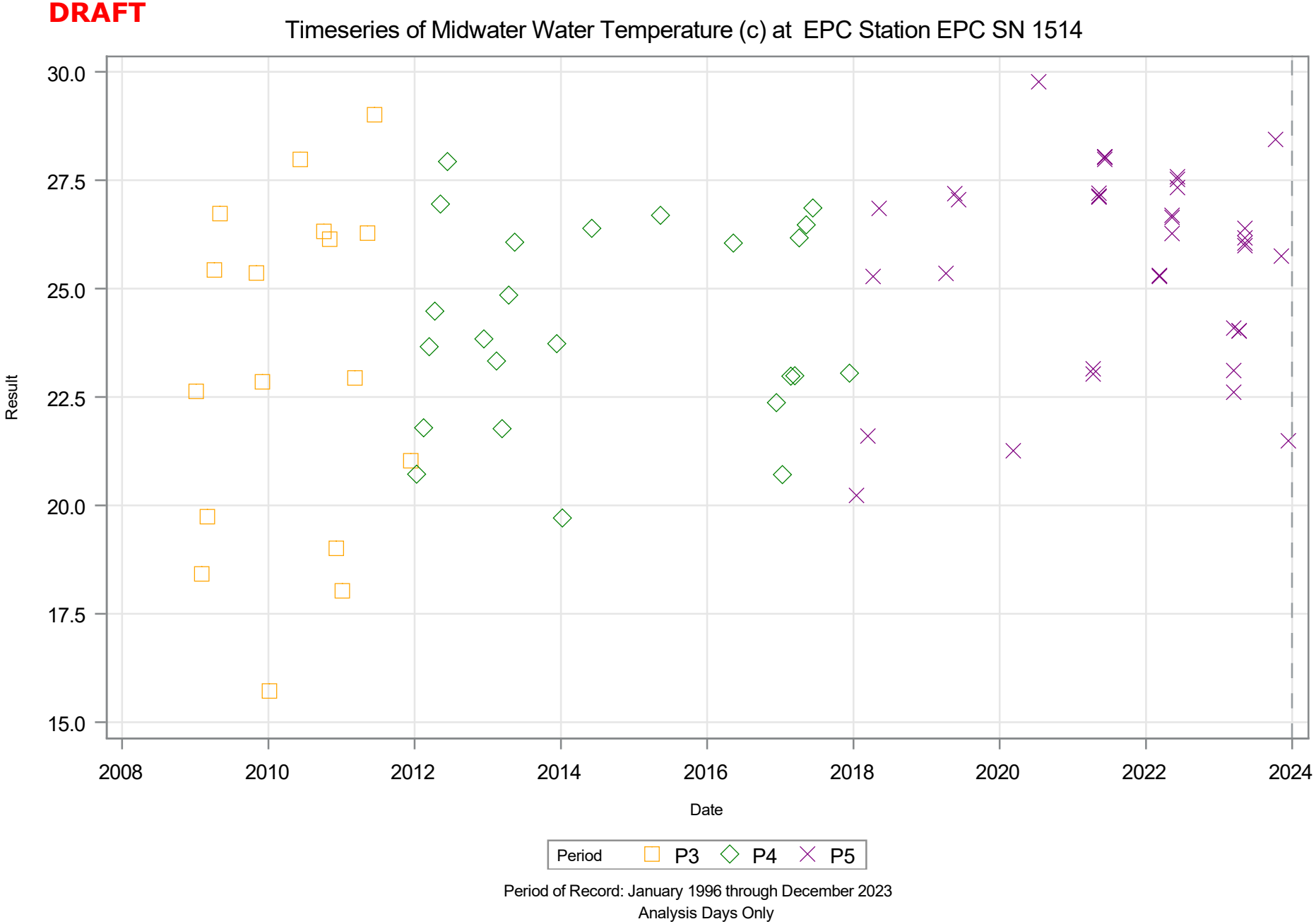
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	18.73	21.11	23.90	22.95	26.60	29.28
P4	24	20.28	22.81	24.37	24.08	26.64	27.89
P5	21	19.72	24.02	25.46	25.65	27.13	29.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

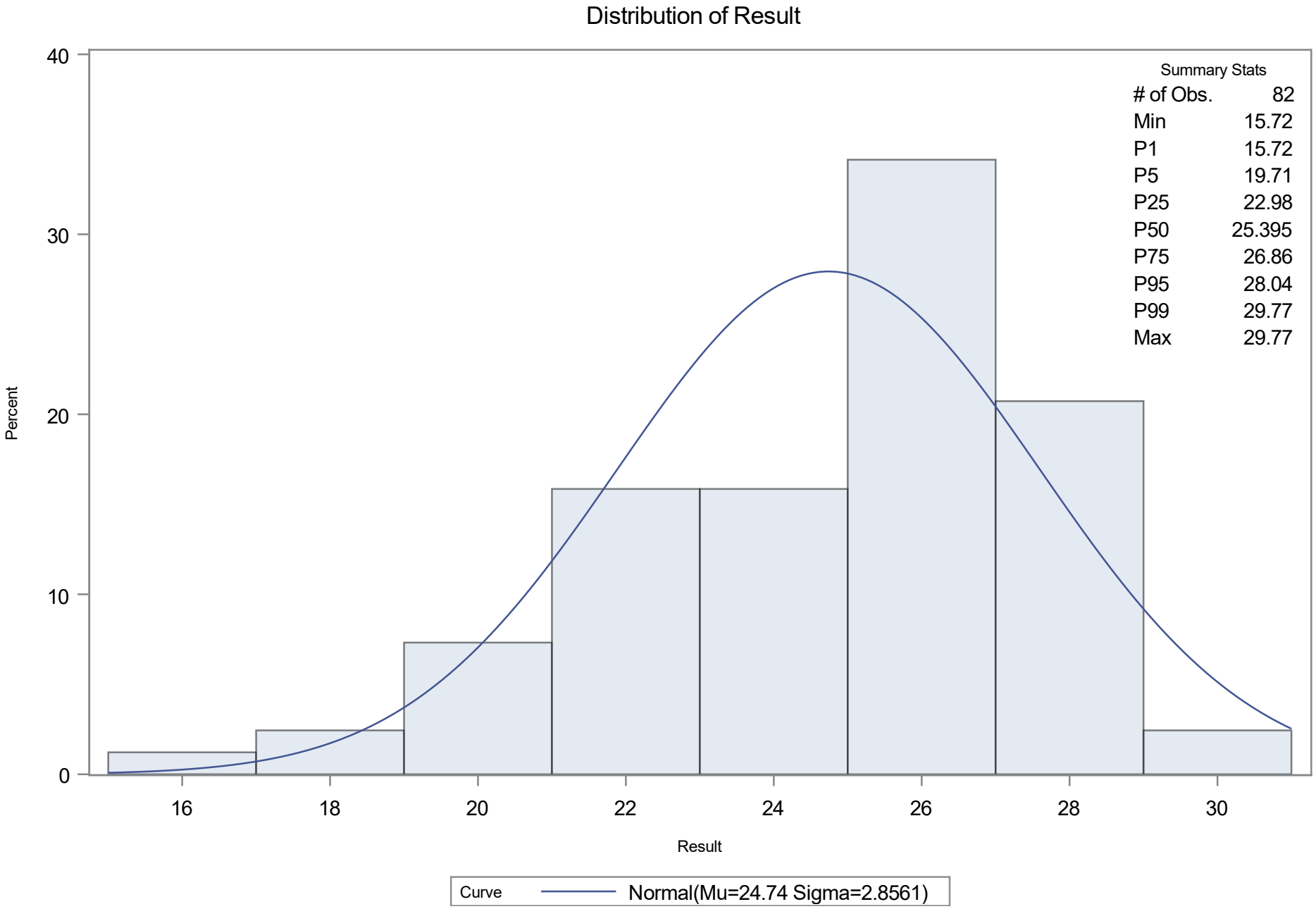

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1514
Result
30
28
26
24
22
20
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1514
Result
30.0
27.5
25.0
22.5
20.0
17.5
15.0
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.74
Std Dev	Sigma	2.85614

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14815033	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.29307540	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.63075848	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.7200	18.0956
5.0	19.7100	20.0421
10.0	20.7200	21.0797
25.0	22.9800	22.8136
50.0	25.3950	24.7400
75.0	26.8600	26.6664
90.0	27.9800	28.4003
95.0	28.0400	29.4379
99.0	29.7700	31.3844

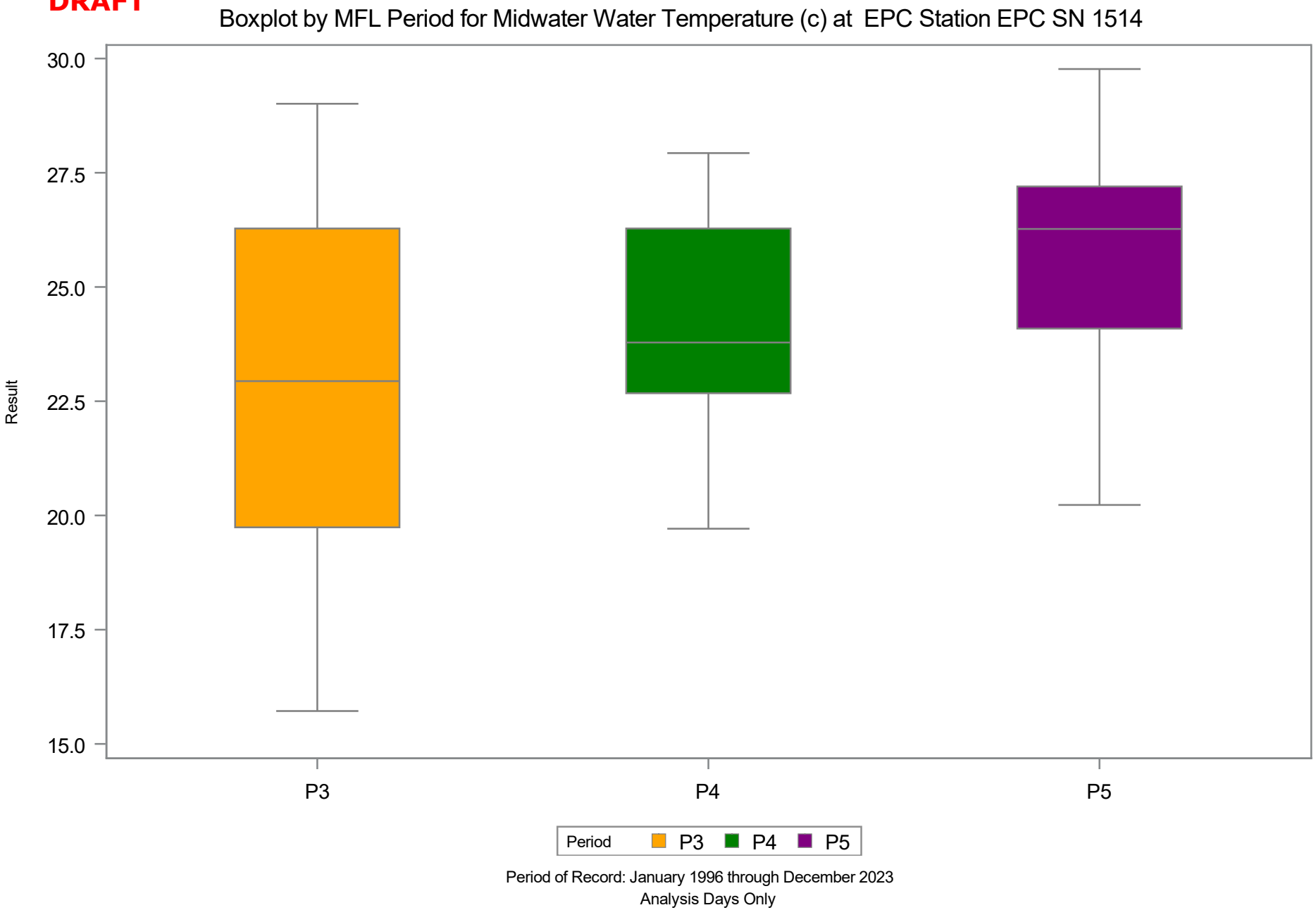
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1514**

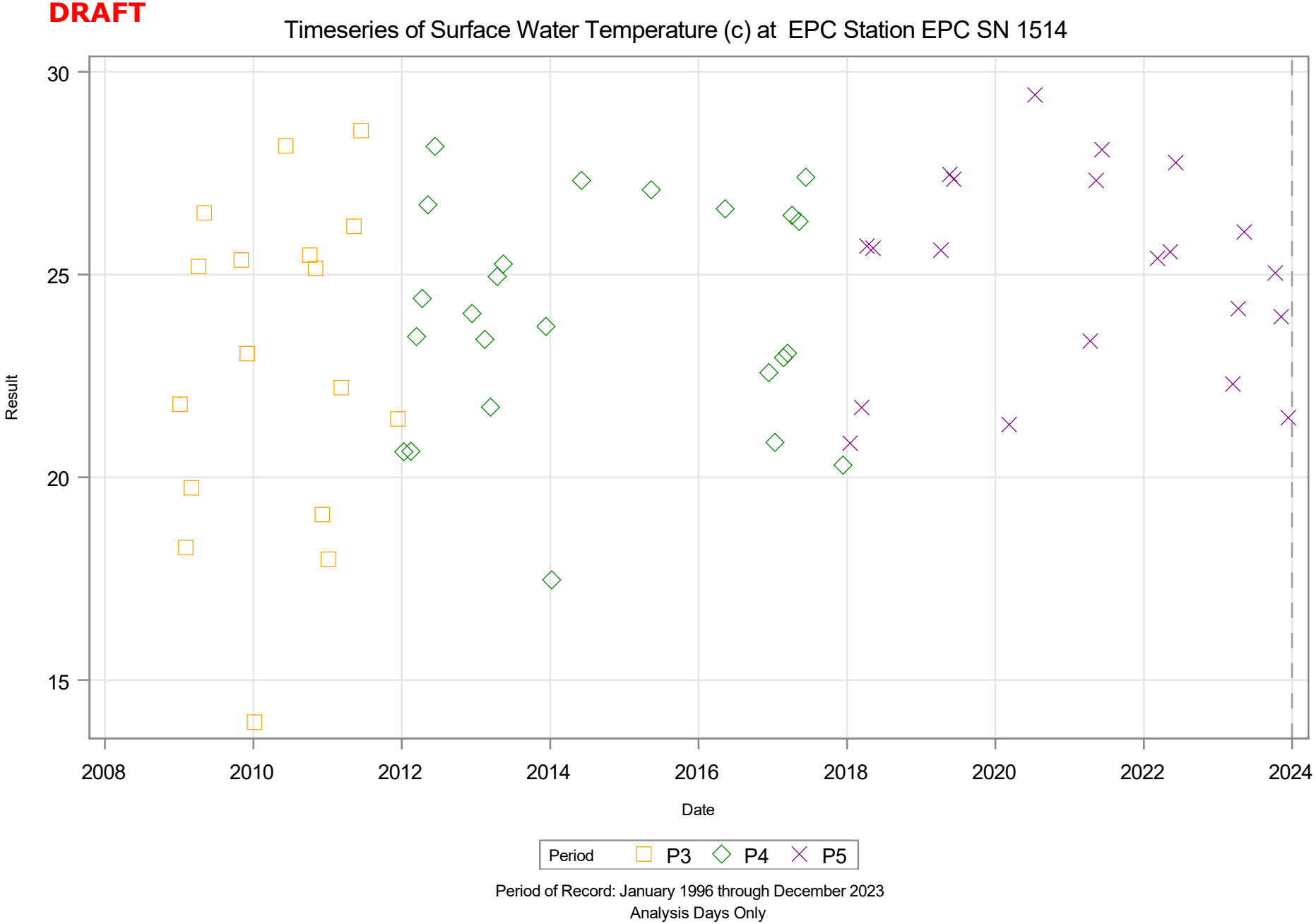
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.72	19.74	23.15	22.94	26.28	29.01
P4	24	19.71	22.68	24.15	23.79	26.28	27.93
P5	41	20.23	24.09	25.74	26.27	27.20	29.77

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

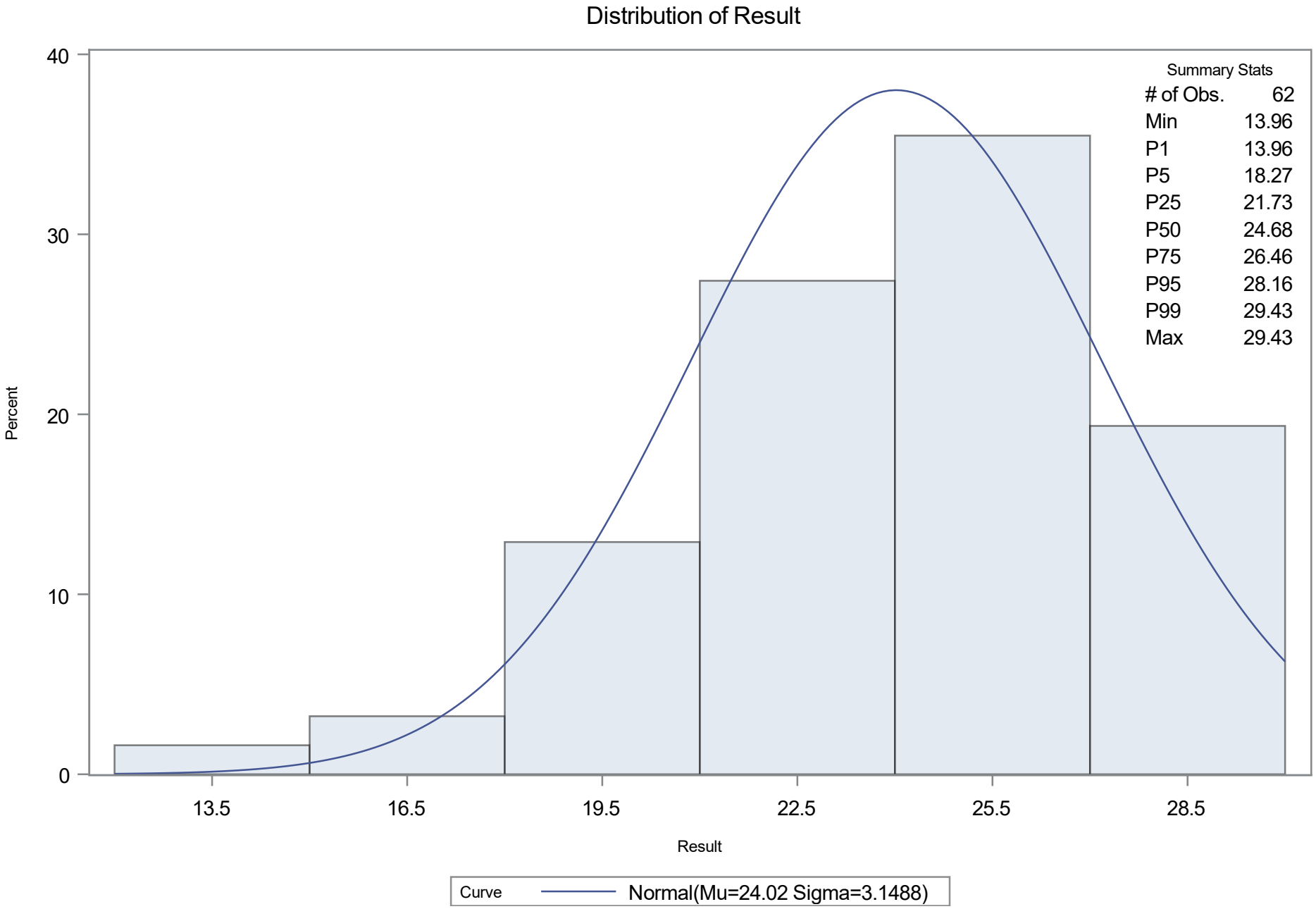

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1514
Result
30.0
27.5
25.0
22.5
20.0
17.5
15.0
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1514
30
25
20
15
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1514



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1514

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.01968
Std Dev	Sigma	3.148797

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11617621	**Pr > D**	0.037
Cramer-von Mises	**W-Sq**	0.10277023	**Pr > W-Sq**	0.102
Anderson-Darling	**A-Sq**	0.64230367	**Pr > A-Sq**	0.092

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.9600	16.6945
5.0	18.2700	18.8404
10.0	20.3000	19.9843
25.0	21.7300	21.8958
50.0	24.6800	24.0197
75.0	26.4600	26.1435
90.0	27.4700	28.0550
95.0	28.1600	29.1990
99.0	29.4300	31.3449

Period of Record: January 1996 through December 2023
Analysis Days Only

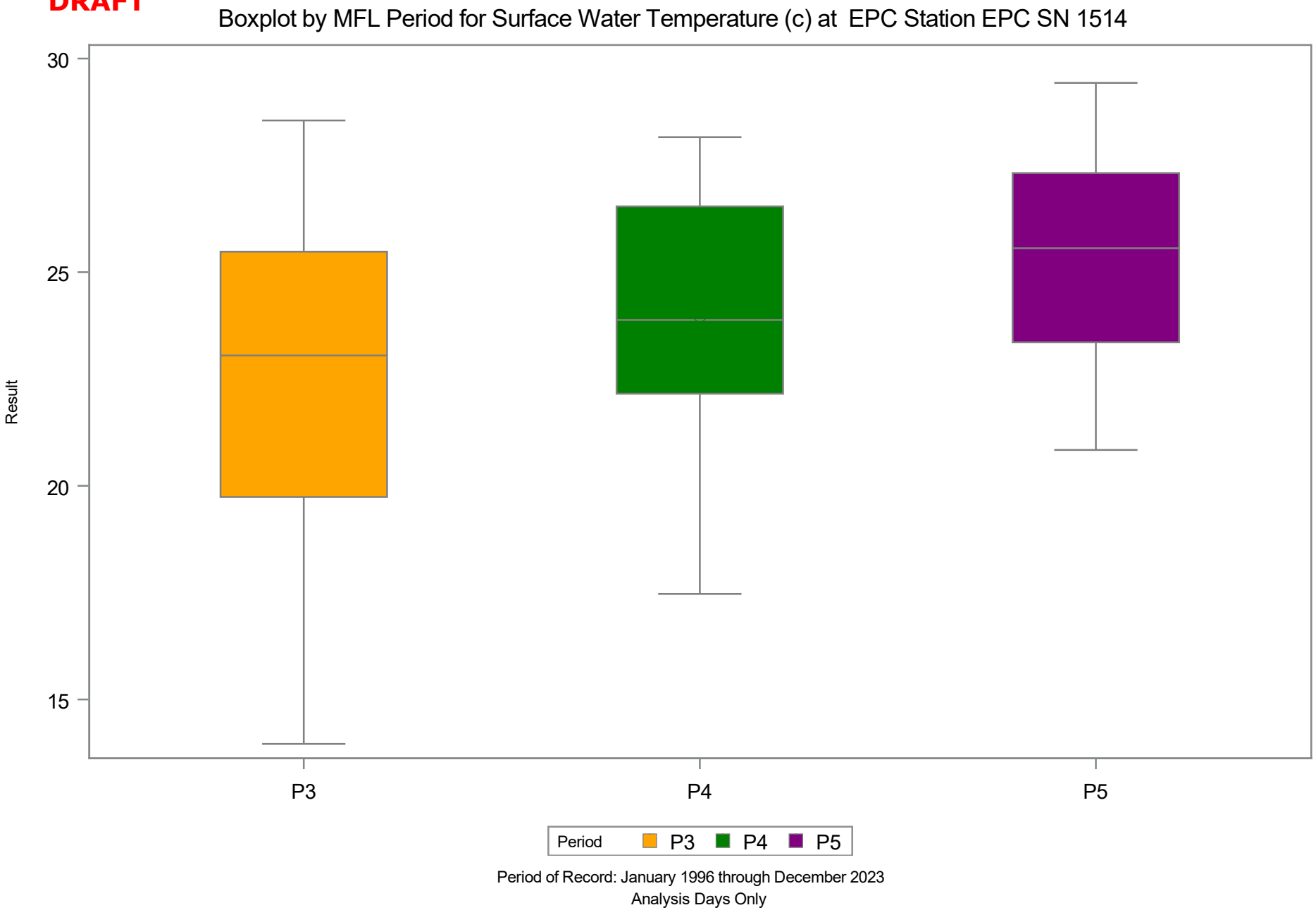
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1514

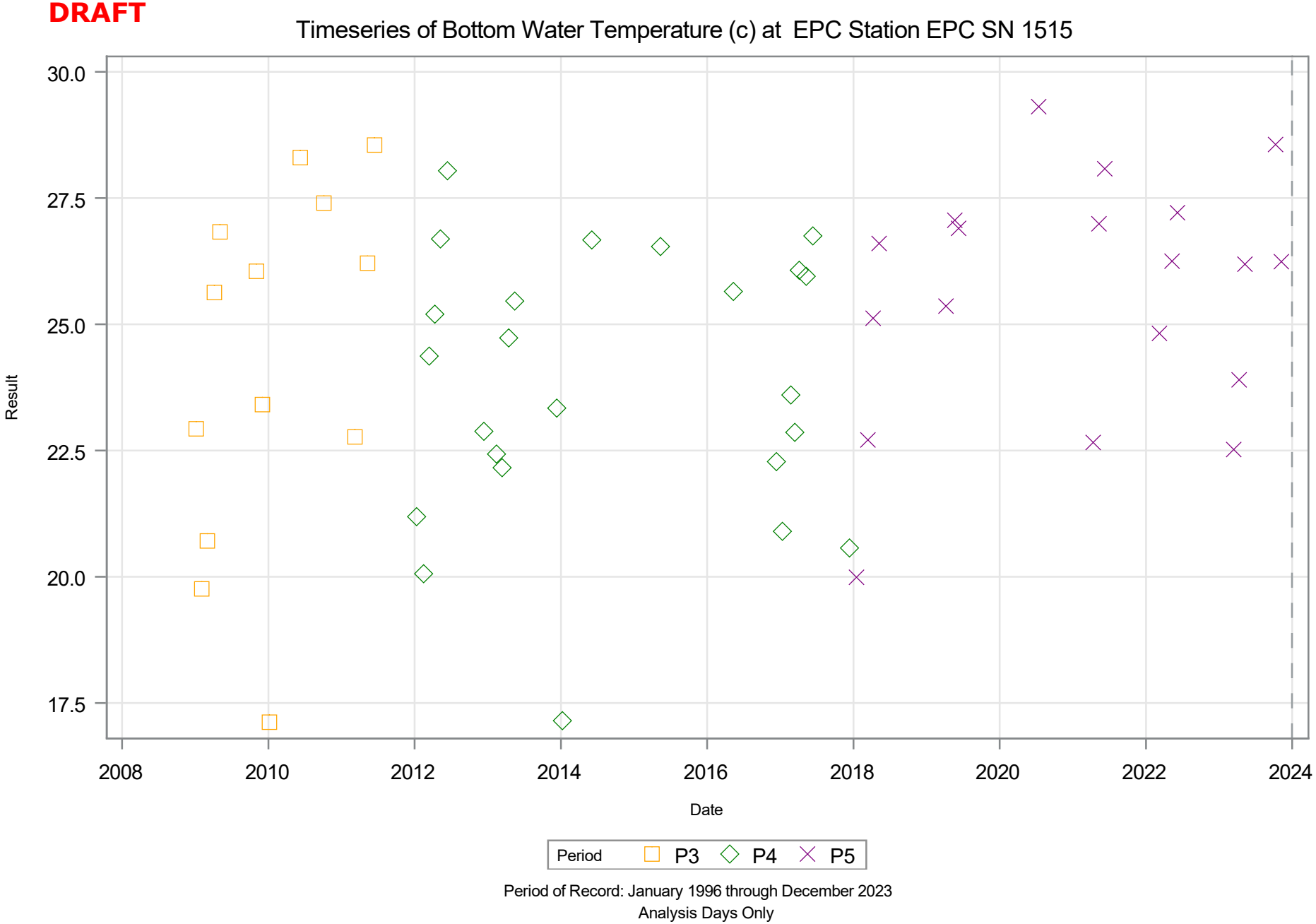
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	13.96	19.74	22.83	23.05	25.48	28.55
P4	24	17.47	22.16	23.98	23.88	26.54	28.16
P5	21	20.84	23.36	25.02	25.56	27.32	29.43

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

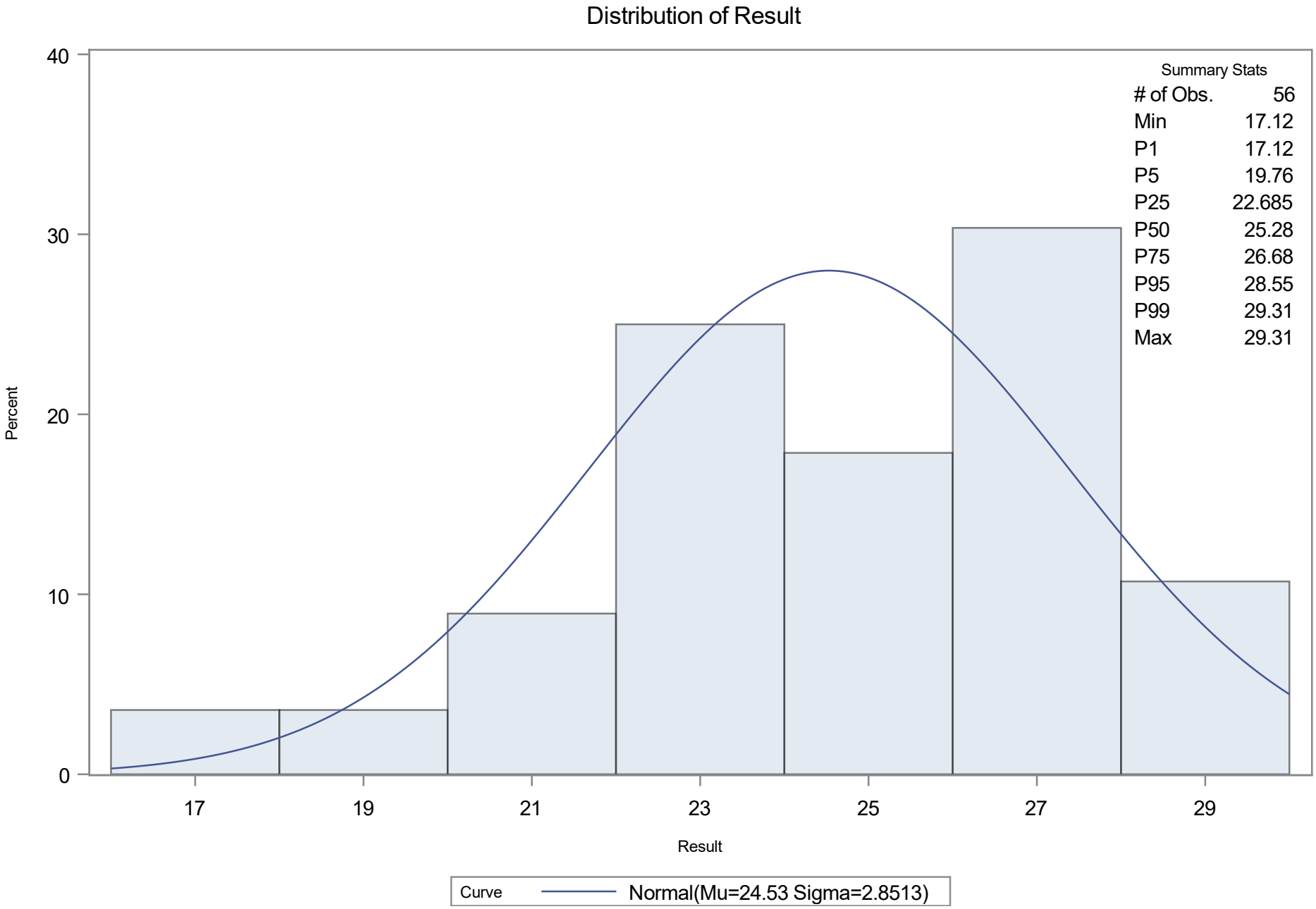

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1514
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 1515
30.0
27.5
25.0
22.5
20.0
17.5
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.53
Std Dev	Sigma	2.851318

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11933480	**Pr > D**	0.046
Cramer-von Mises	**W-Sq**	0.16072905	**Pr > W-Sq**	0.018
Anderson-Darling	**A-Sq**	0.91250241	**Pr > A-Sq**	0.020

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.1200	17.8968
5.0	19.7600	19.8400
10.0	20.5700	20.8759
25.0	22.6850	22.6068
50.0	25.2800	24.5300
75.0	26.6800	26.4532
90.0	28.0400	28.1841
95.0	28.5500	29.2200
99.0	29.3100	31.1632

Period of Record: January 1996 through December 2023
Analysis Days Only

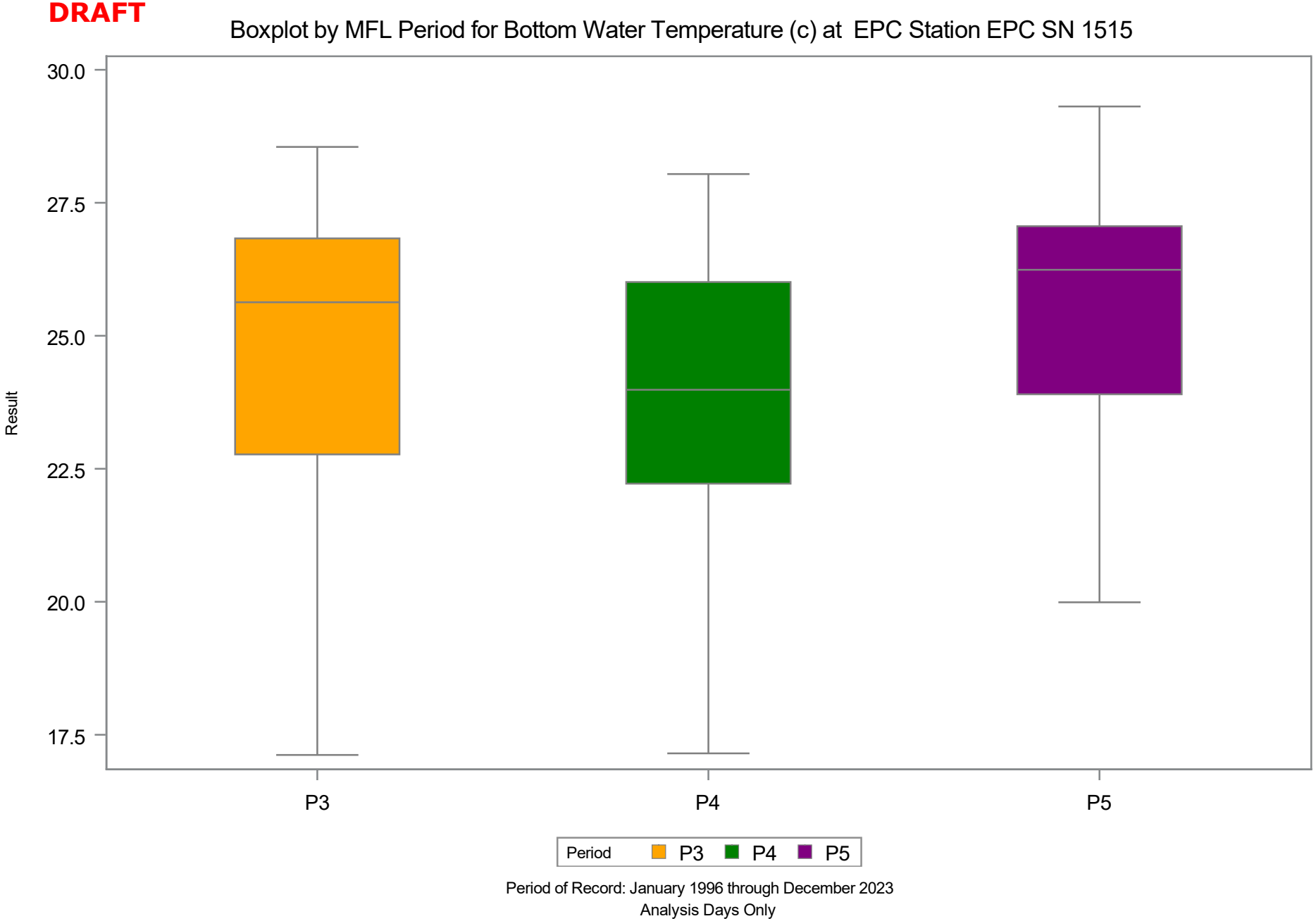
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 1515

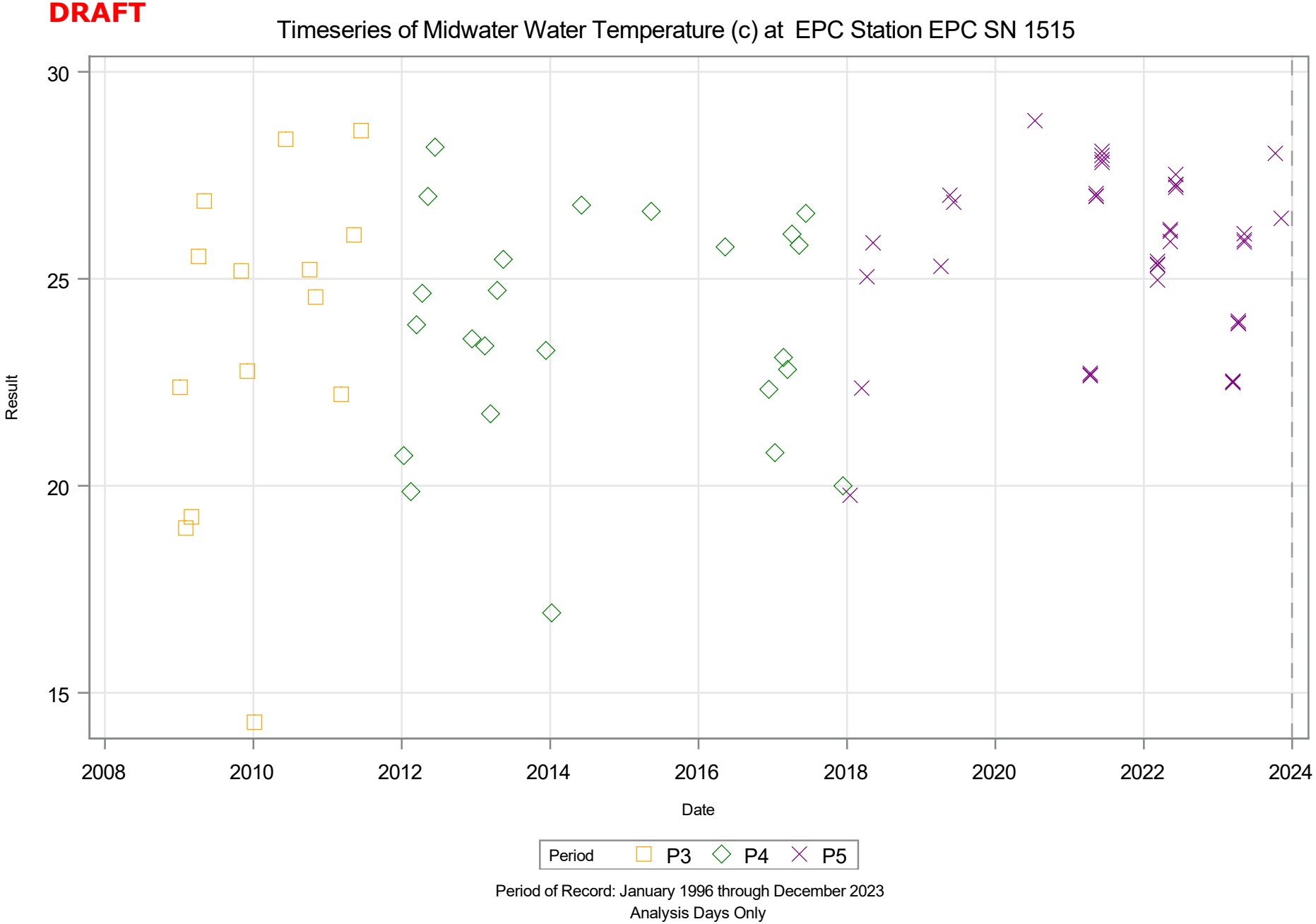
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	17.12	22.77	24.28	25.63	26.83	28.55
P4	24	17.15	22.22	23.81	23.99	26.01	28.04
P5	19	19.99	23.90	25.60	26.24	27.06	29.31

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

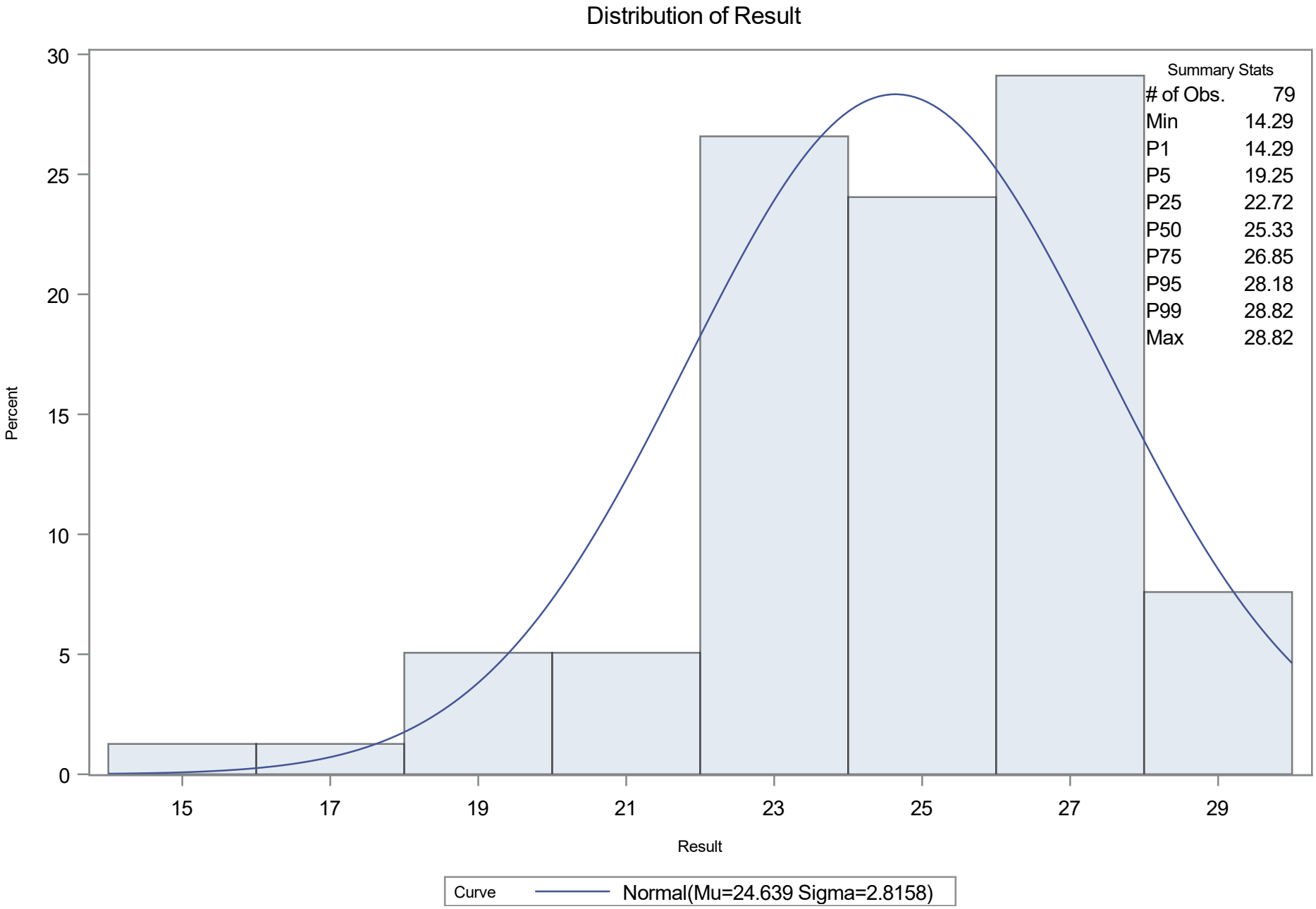

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 1515
Result
30.0
27.5
25.0
22.5
20.0
17.5
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 1515
Result
30
25
20
15
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.63949
Std Dev	Sigma	2.815769

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12180630	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22478822	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.39346380	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.2900	18.0890
5.0	19.2500	20.0080
10.0	20.7300	21.0309
25.0	22.7200	22.7403
50.0	25.3300	24.6395
75.0	26.8500	26.5387
90.0	27.8800	28.2480
95.0	28.1800	29.2710
99.0	28.8200	31.1900

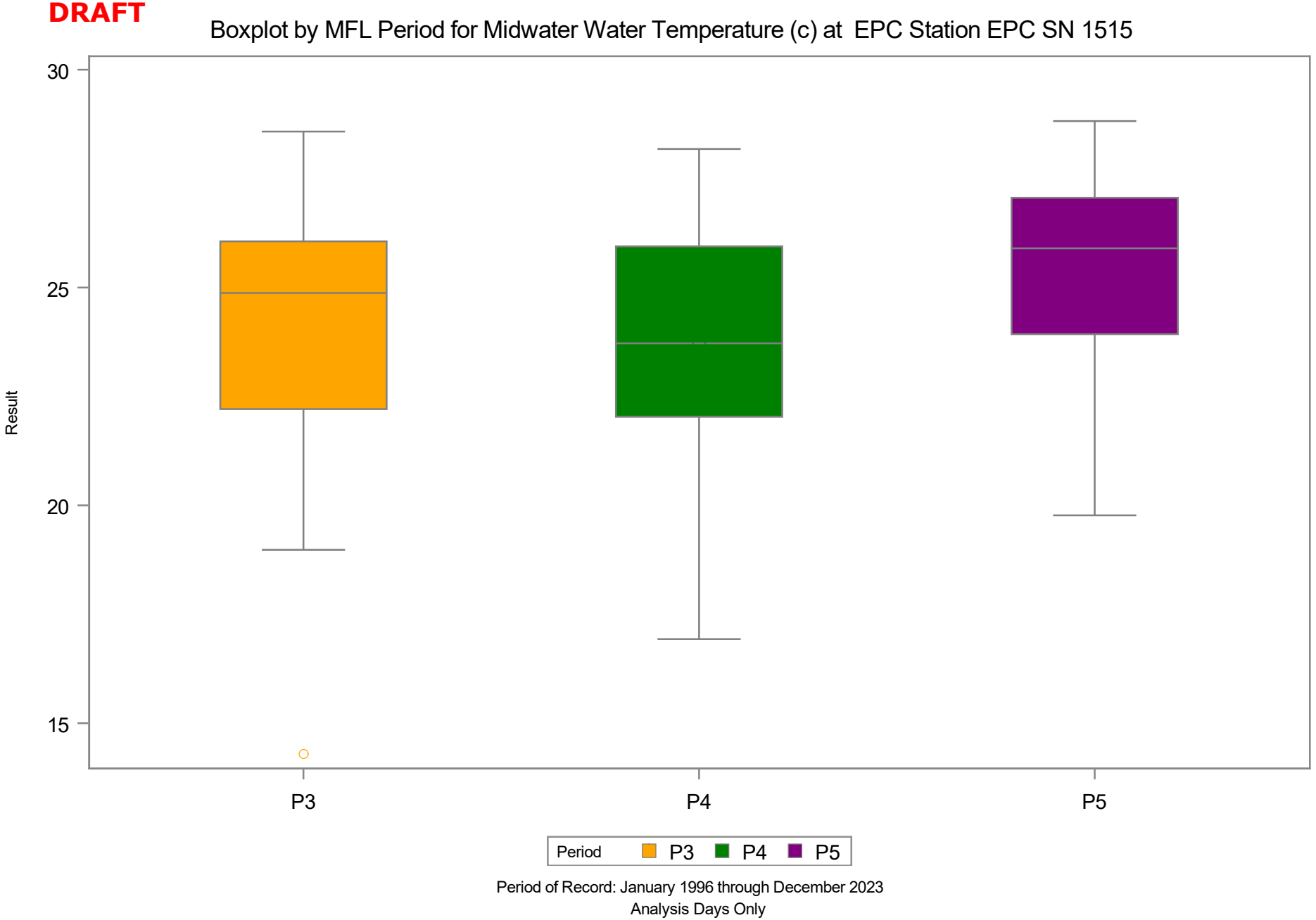
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 1515**

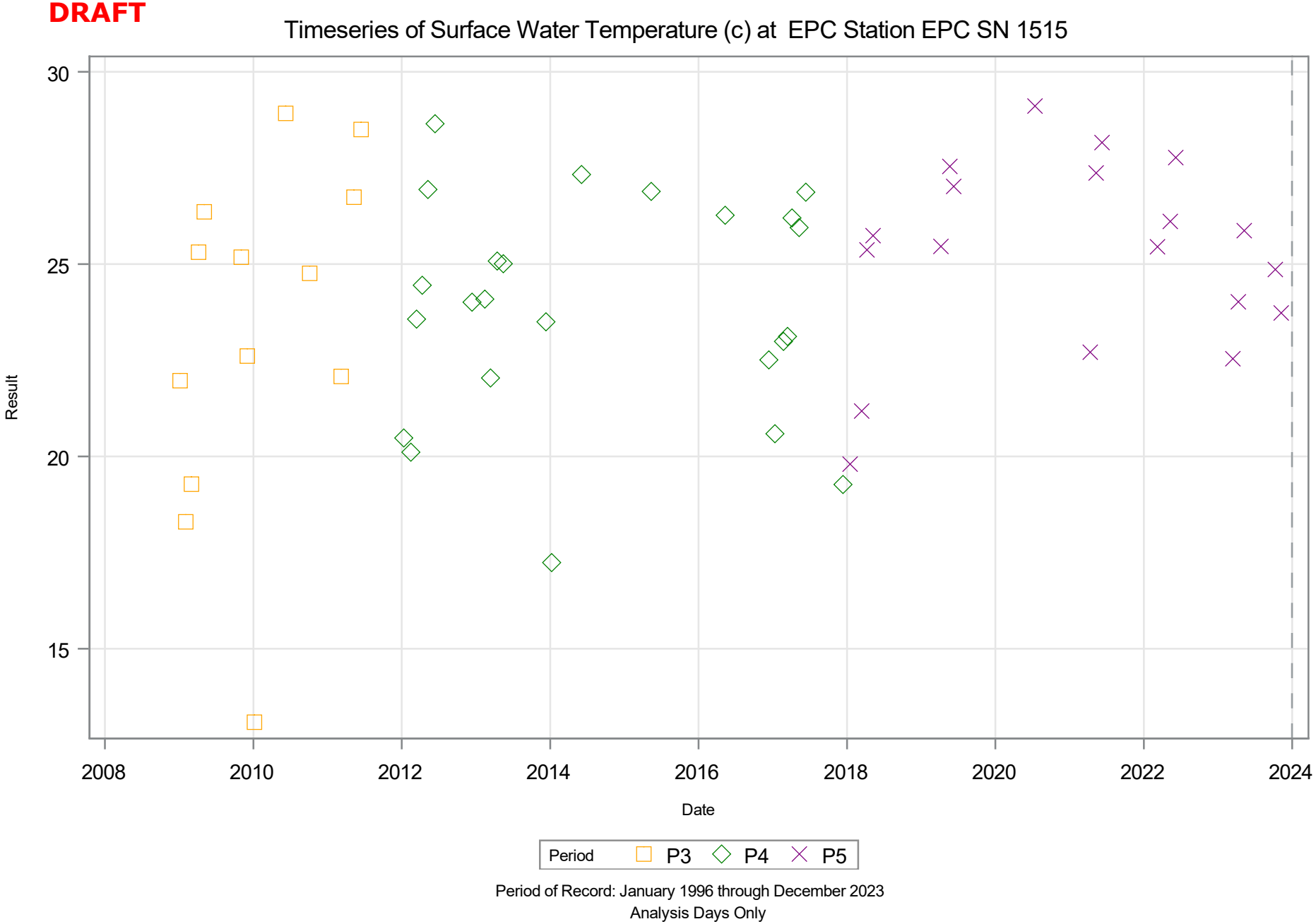
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	14	14.29	22.21	23.59	24.88	26.06	28.58
P4	24	16.93	22.03	23.75	23.72	25.95	28.18
P5	41	19.77	23.93	25.52	25.90	27.06	28.82

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

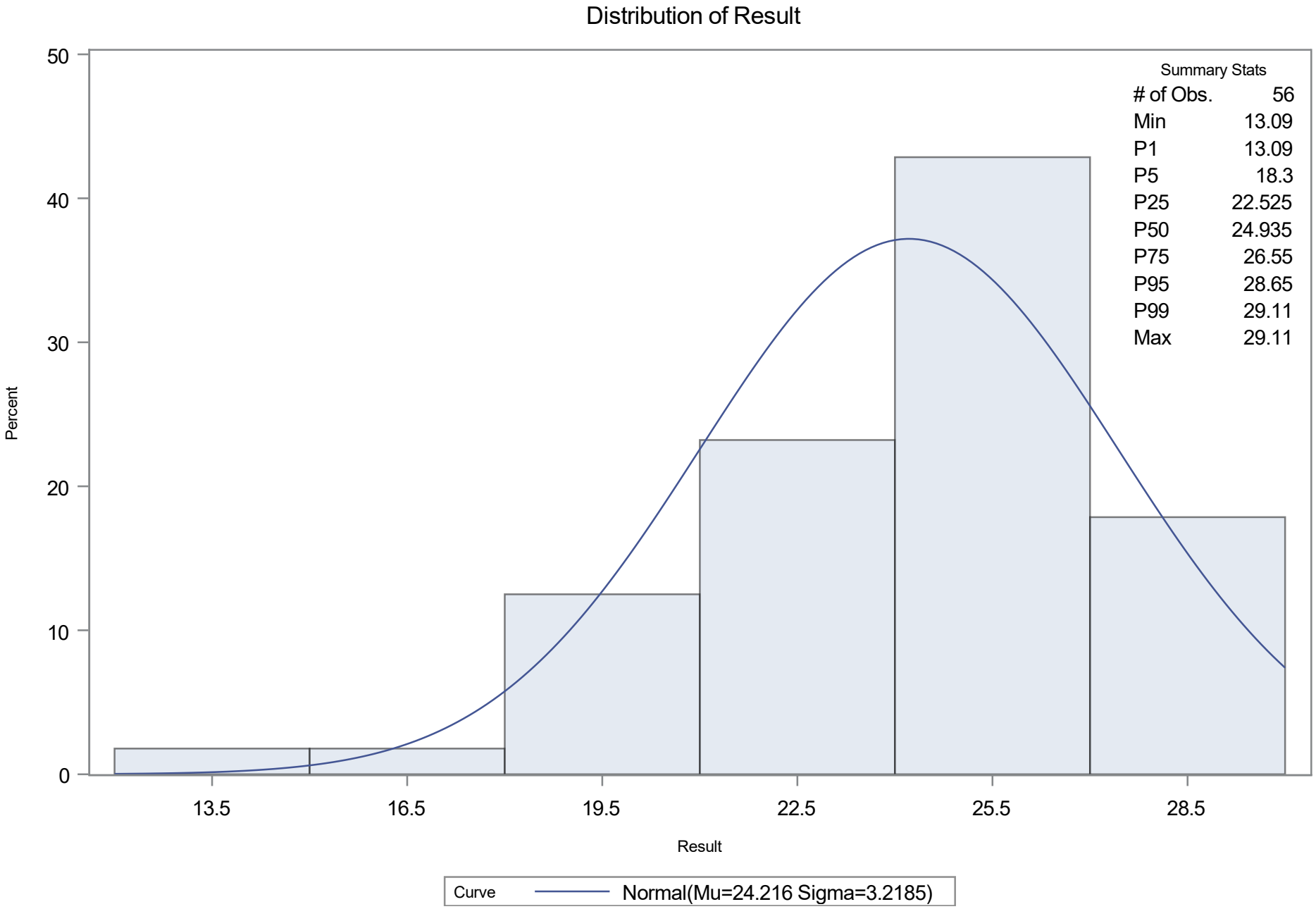

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 1515
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 1515
Result
30
25
20
15
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 1515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.21554
Std Dev	Sigma	3.2185

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10288167	**Pr > D**	0.144
Cramer-von Mises	**W-Sq**	0.11461264	**Pr > W-Sq**	0.074
Anderson-Darling	**A-Sq**	0.71524639	**Pr > A-Sq**	0.061

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.0900	16.7282
5.0	18.3000	18.9216
10.0	19.8000	20.0909
25.0	22.5250	22.0447
50.0	24.9350	24.2155
75.0	26.5500	26.3864
90.0	27.7700	28.3402
95.0	28.6500	29.5095
99.0	29.1100	31.7029

Period of Record: January 1996 through December 2023
Analysis Days Only

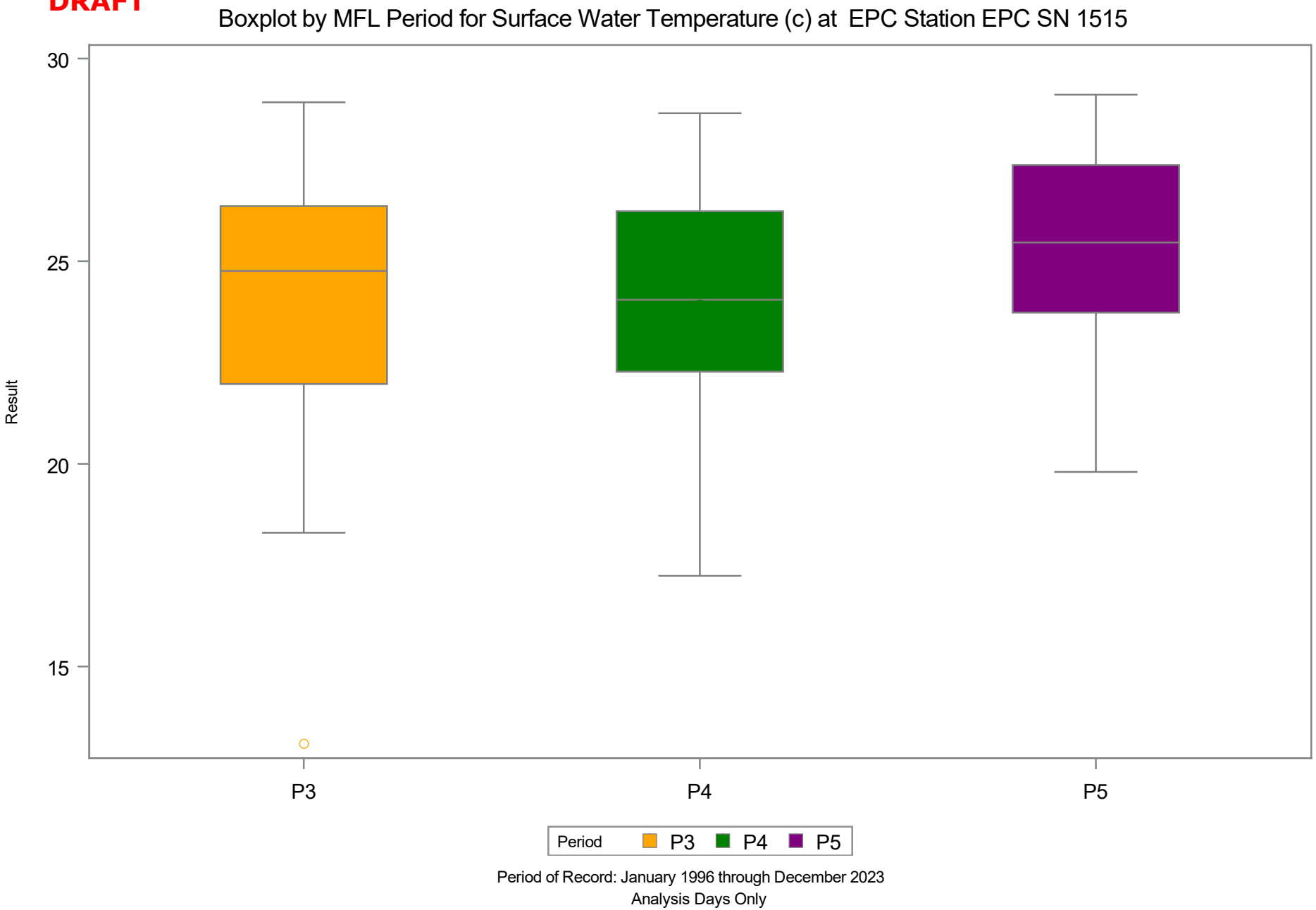
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 1515

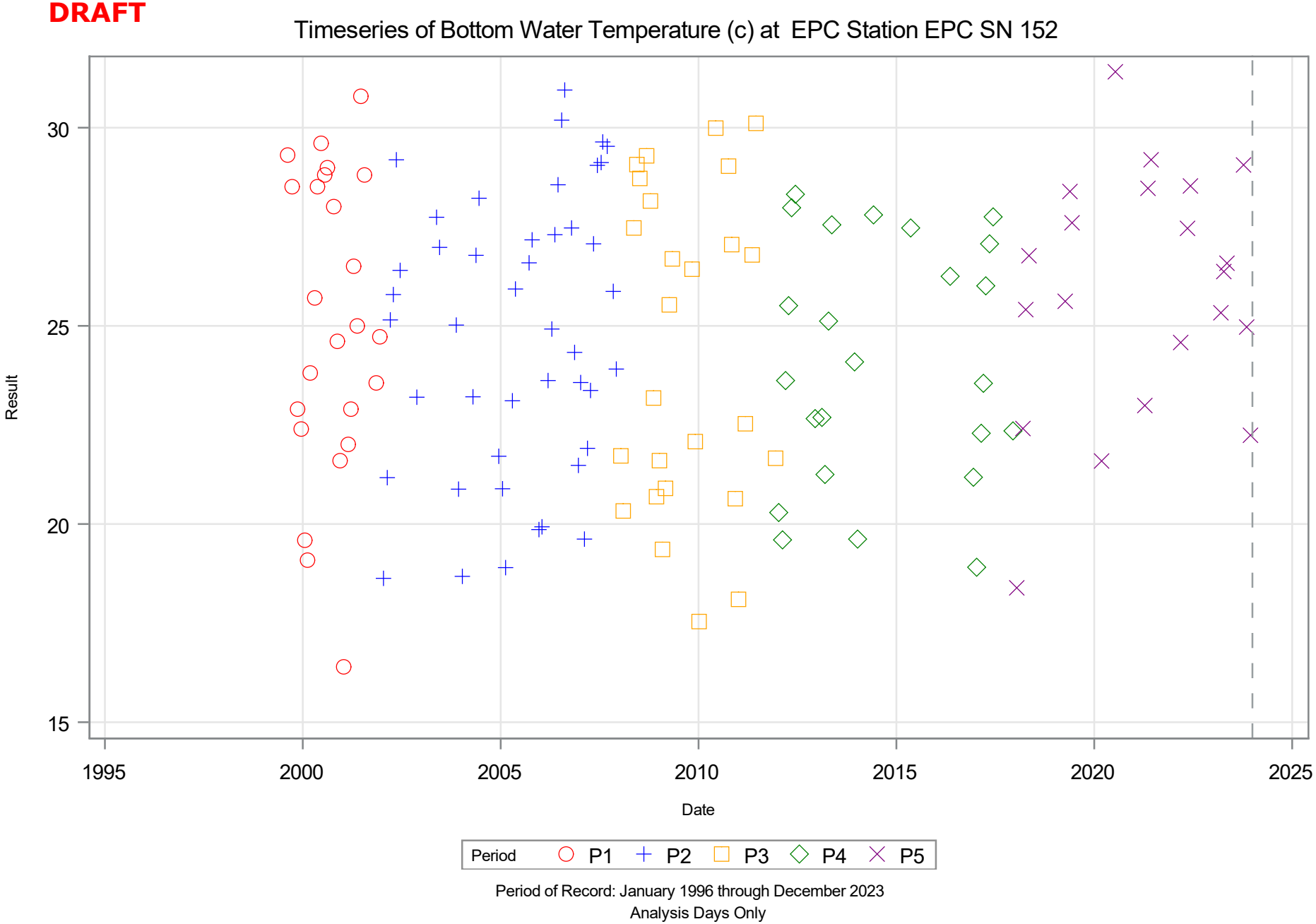
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	13.09	21.97	23.32	24.76	26.36	28.92
P4	24	17.24	22.28	23.88	24.05	26.24	28.65
P5	19	19.80	23.73	25.25	25.46	27.37	29.11

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

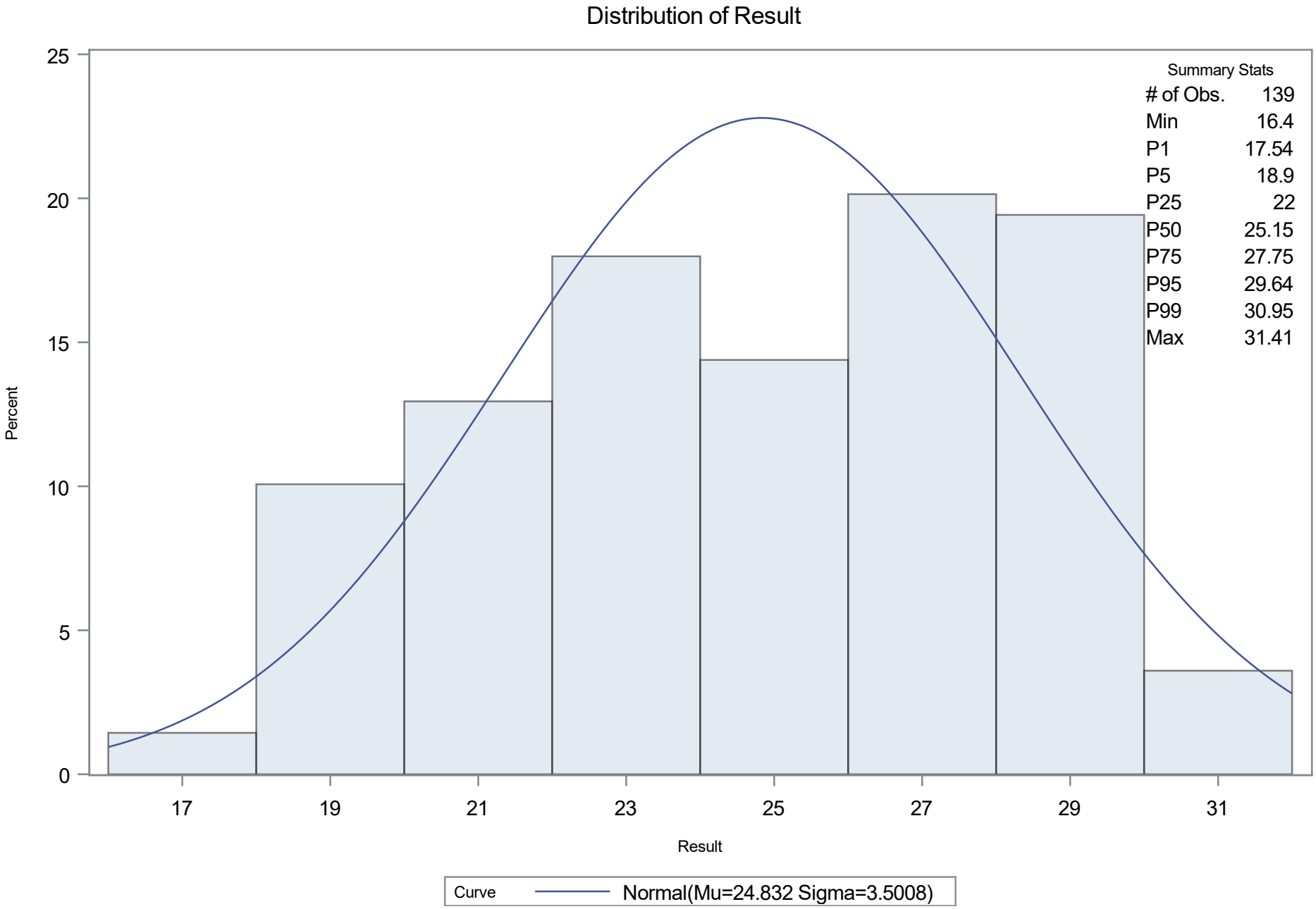

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 1515
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 152
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.83194
Std Dev	Sigma	3.500795

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08706048	**Pr > D**	0.011
Cramer-von Mises	**W-Sq**	0.23872775	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.43720516	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.5400	16.6879
5.0	18.9000	19.0736
10.0	19.6200	20.3455
25.0	22.0000	22.4707
50.0	25.1500	24.8319
75.0	27.7500	27.1932
90.0	29.1200	29.3184
95.0	29.6400	30.5902
99.0	30.9500	32.9760

Period of Record: January 1996 through December 2023
Analysis Days Only

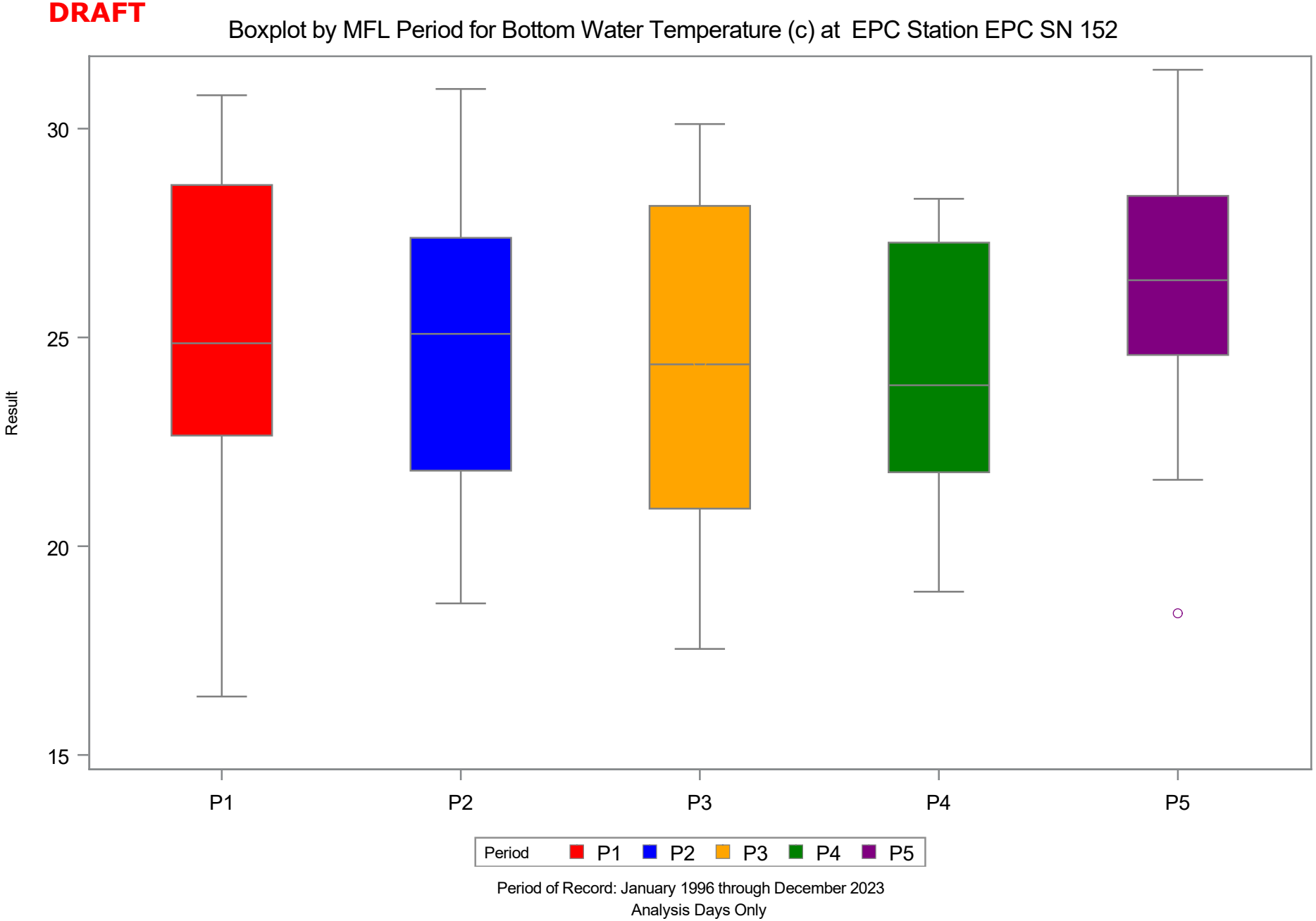
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 152

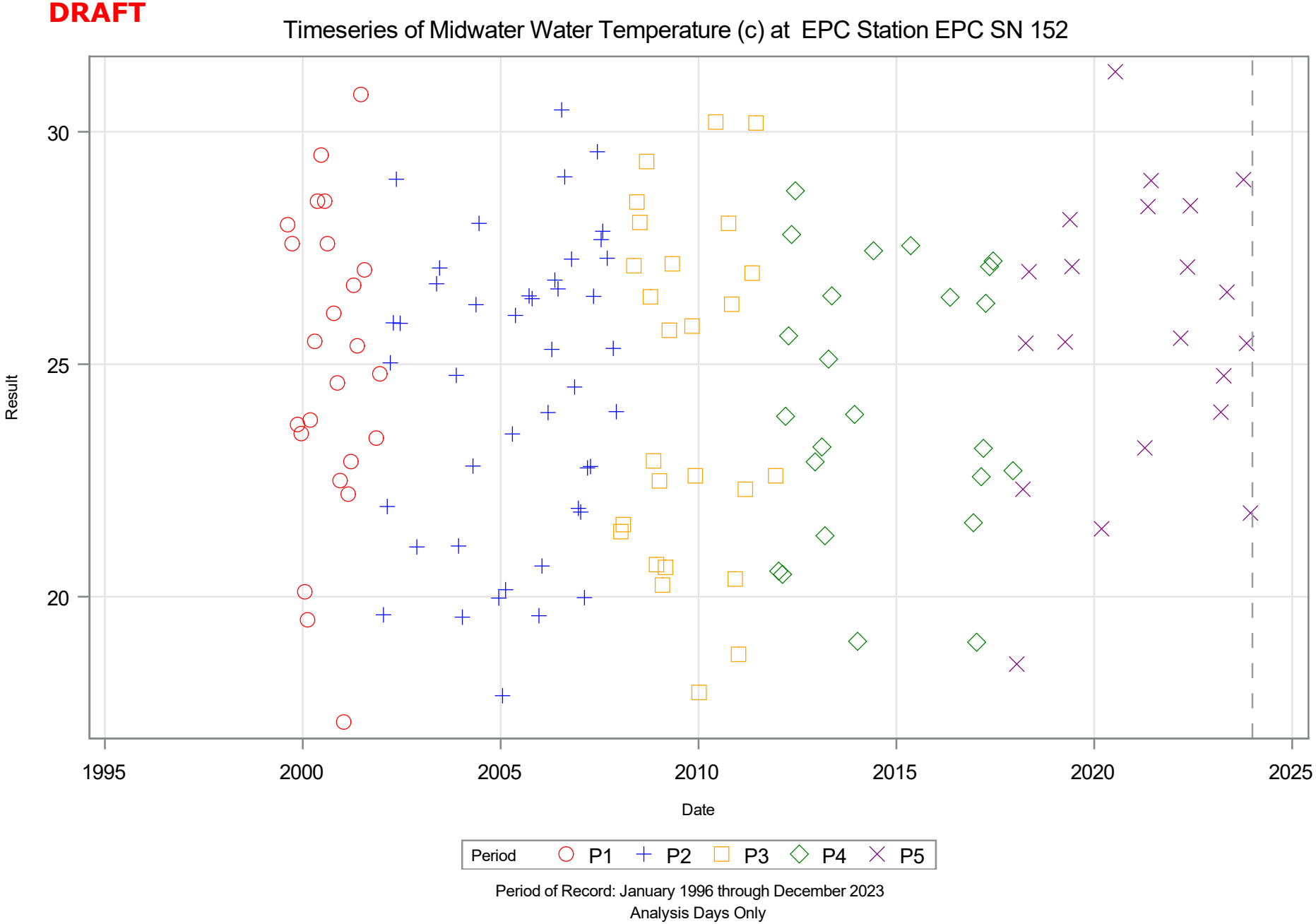
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	16.40	22.65	25.09	24.86	28.65	30.80
P2	44	18.63	21.81	24.83	25.09	27.39	30.95
P3	26	17.54	20.90	24.41	24.36	28.15	30.11
P4	24	18.91	21.77	24.12	23.86	27.27	28.32
P5	21	18.39	24.58	25.87	26.37	28.39	31.41

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

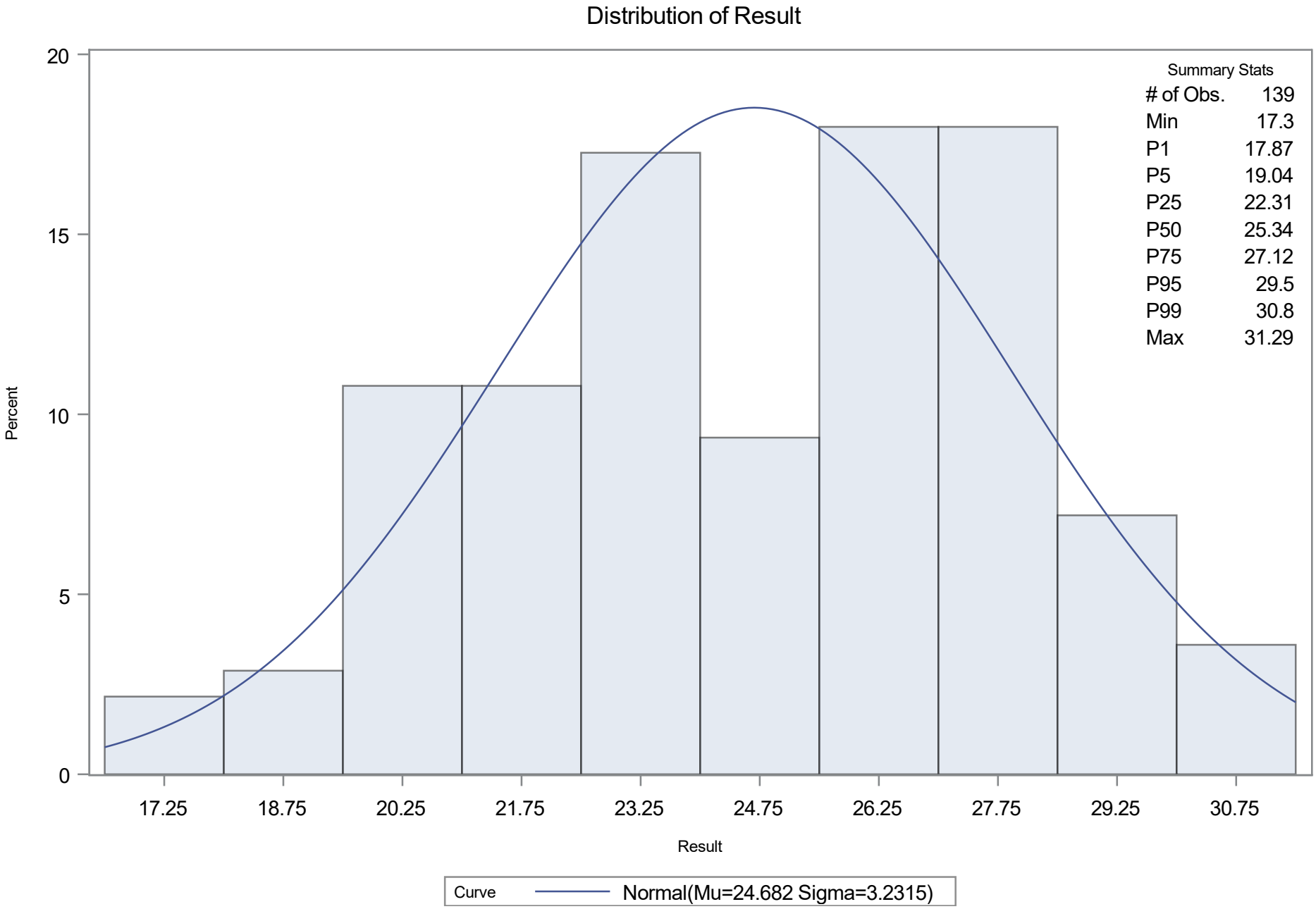

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 152
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 152
Result
30
25
20
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.68151
Std Dev	Sigma	3.231531

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09245543	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22597865	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.21540627	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.8700	17.1638
5.0	19.0400	19.3661
10.0	20.1000	20.5401
25.0	22.3100	22.5019
50.0	25.3400	24.6815
75.0	27.1200	26.8611
90.0	28.5000	28.8229
95.0	29.5000	29.9969
99.0	30.8000	32.1992

Period of Record: January 1996 through December 2023
Analysis Days Only

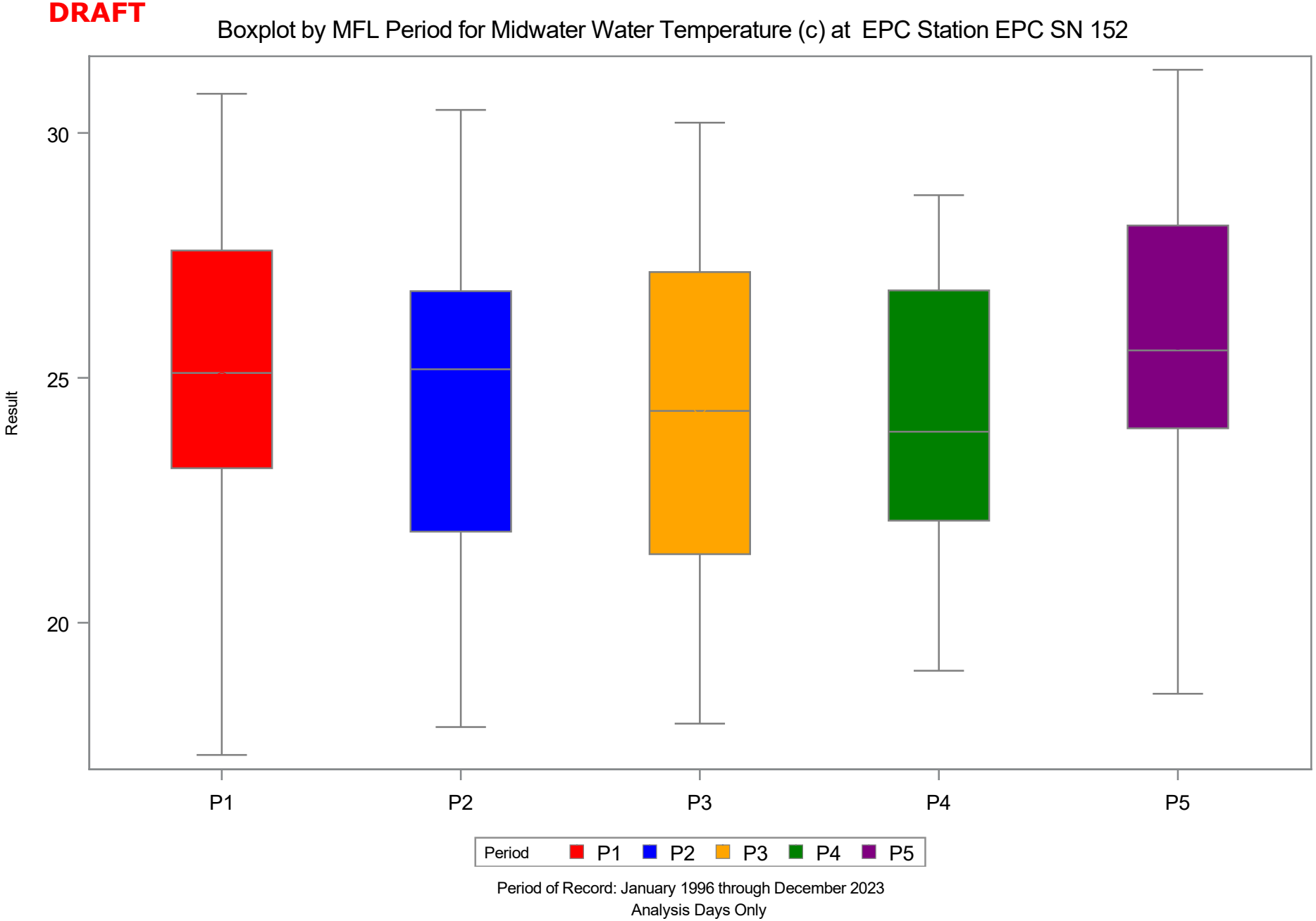
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 152

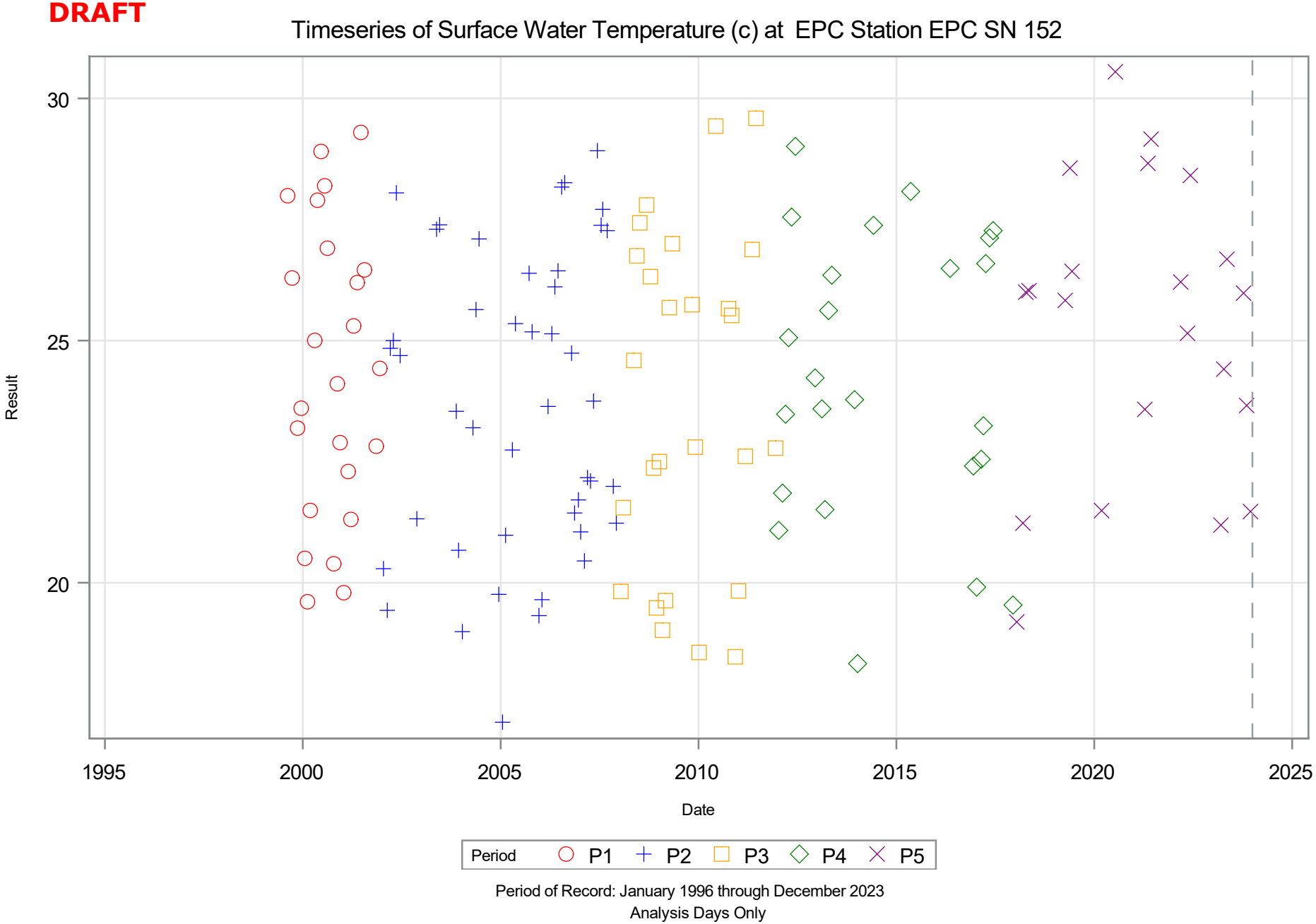
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	17.30	23.16	24.98	25.10	27.60	30.80
P2	44	17.87	21.86	24.47	25.18	26.77	30.47
P3	26	17.94	21.40	24.40	24.33	27.16	30.21
P4	24	19.02	22.09	24.17	23.90	26.79	28.73
P5	21	18.55	23.97	25.71	25.56	28.11	31.29

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

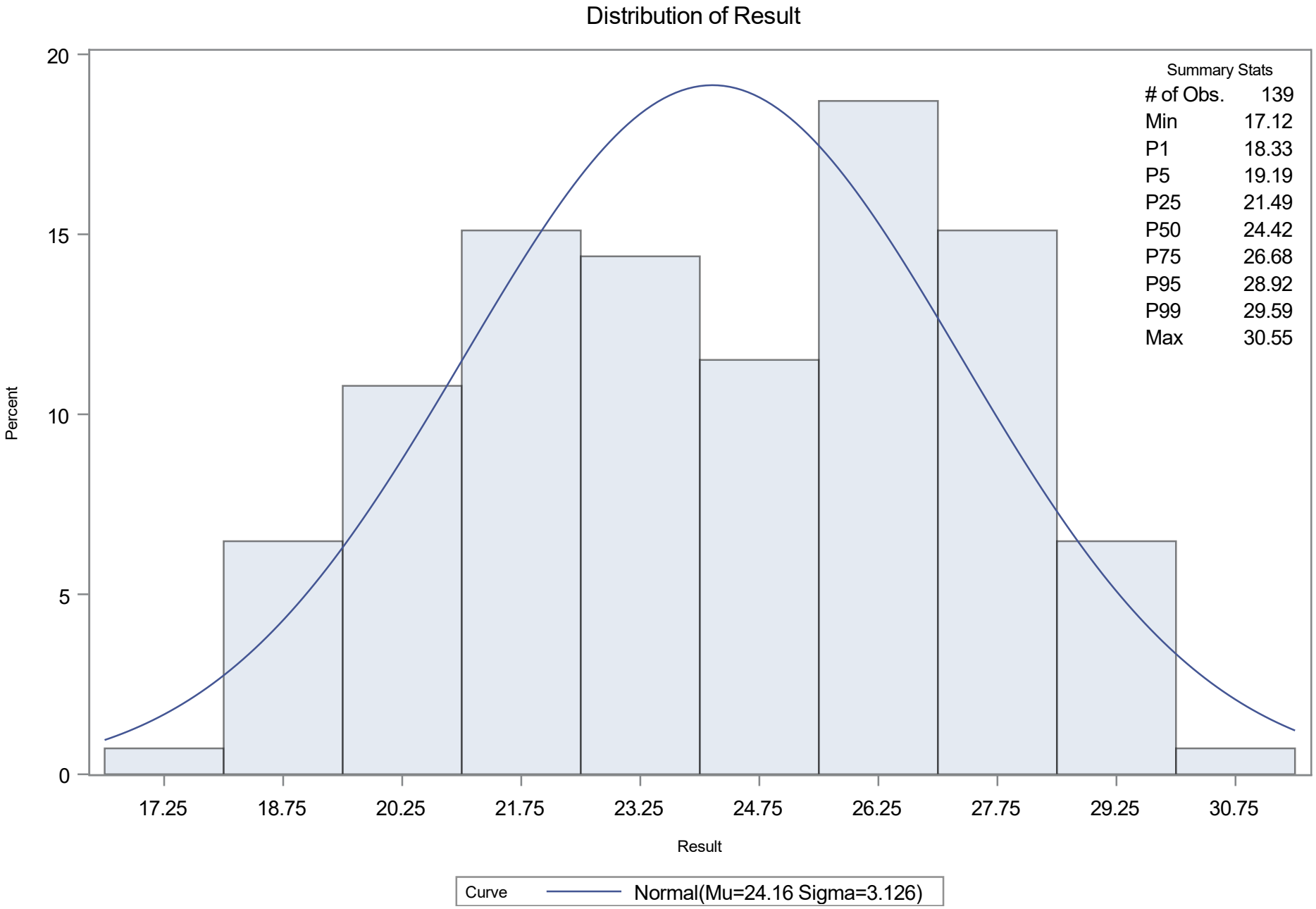

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 152
Result
30
25
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 152
Result
30
25
20
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.15971
Std Dev	Sigma	3.126033

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08267699	**Pr > D**	0.020
Cramer-von Mises	**W-Sq**	0.22642387	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.35988427	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.3300	16.8875
5.0	19.1900	19.0178
10.0	19.6500	20.1535
25.0	21.4900	22.0512
50.0	24.4200	24.1597
75.0	26.6800	26.2682
90.0	28.1700	28.1659
95.0	28.9200	29.3016
99.0	29.5900	31.4320

Period of Record: January 1996 through December 2023
Analysis Days Only

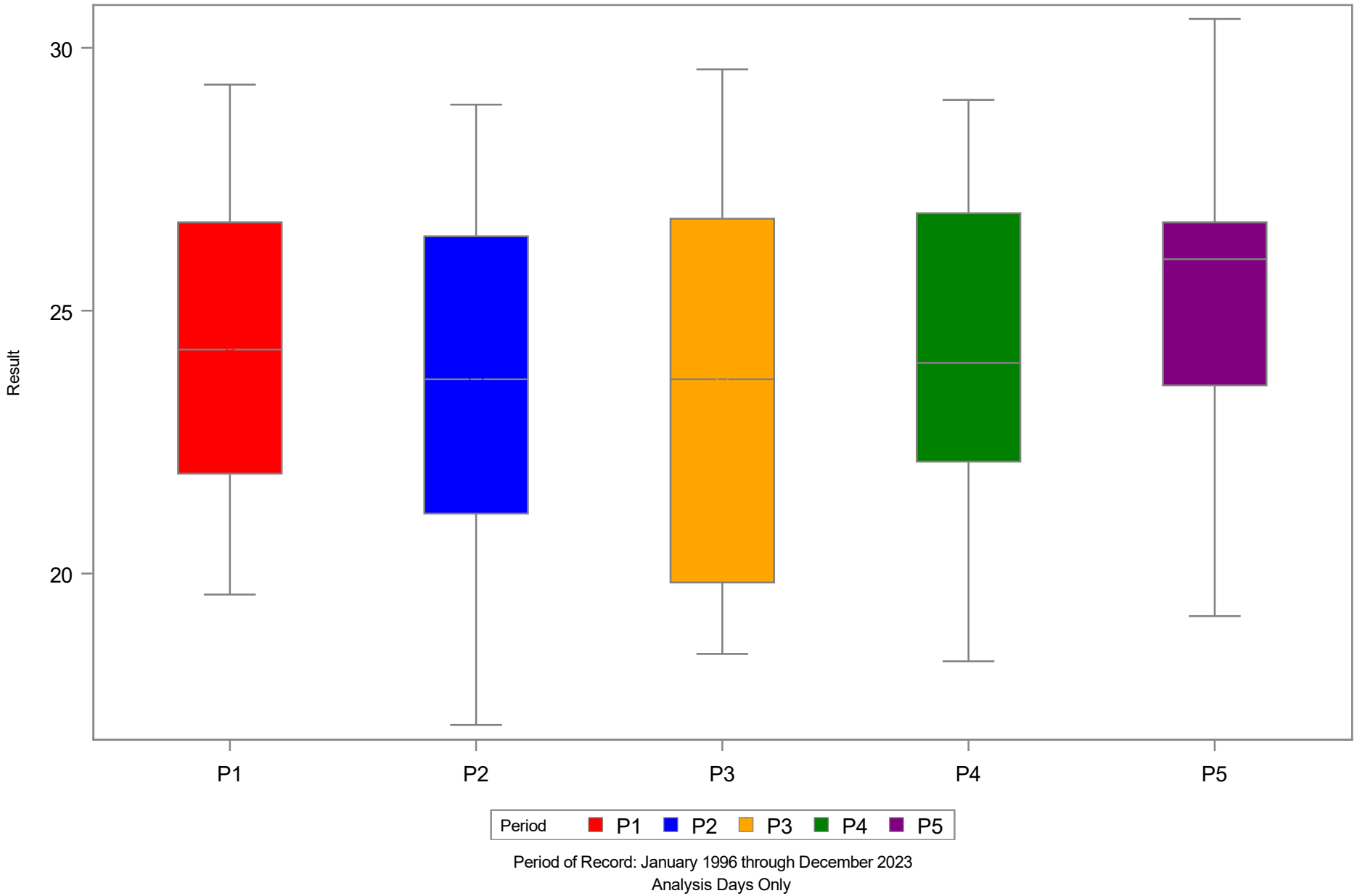
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 152

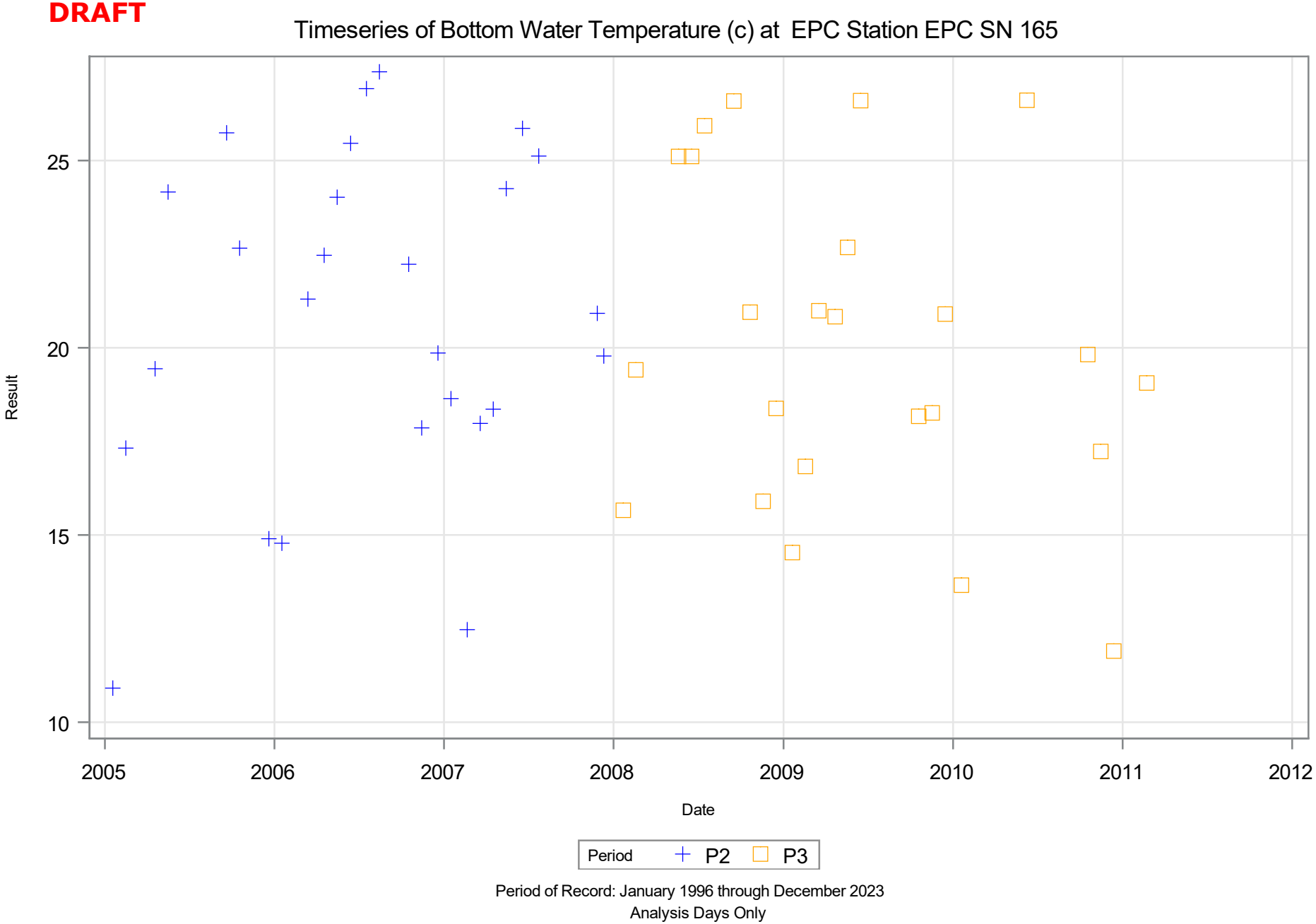
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	19.60	21.90	24.37	24.26	26.68	29.30
P2	44	17.12	21.14	23.72	23.70	26.42	28.92
P3	26	18.47	19.83	23.76	23.70	26.75	29.59
P4	24	18.33	22.13	24.25	24.01	26.86	29.01
P5	21	19.19	23.58	25.23	25.98	26.68	30.55

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

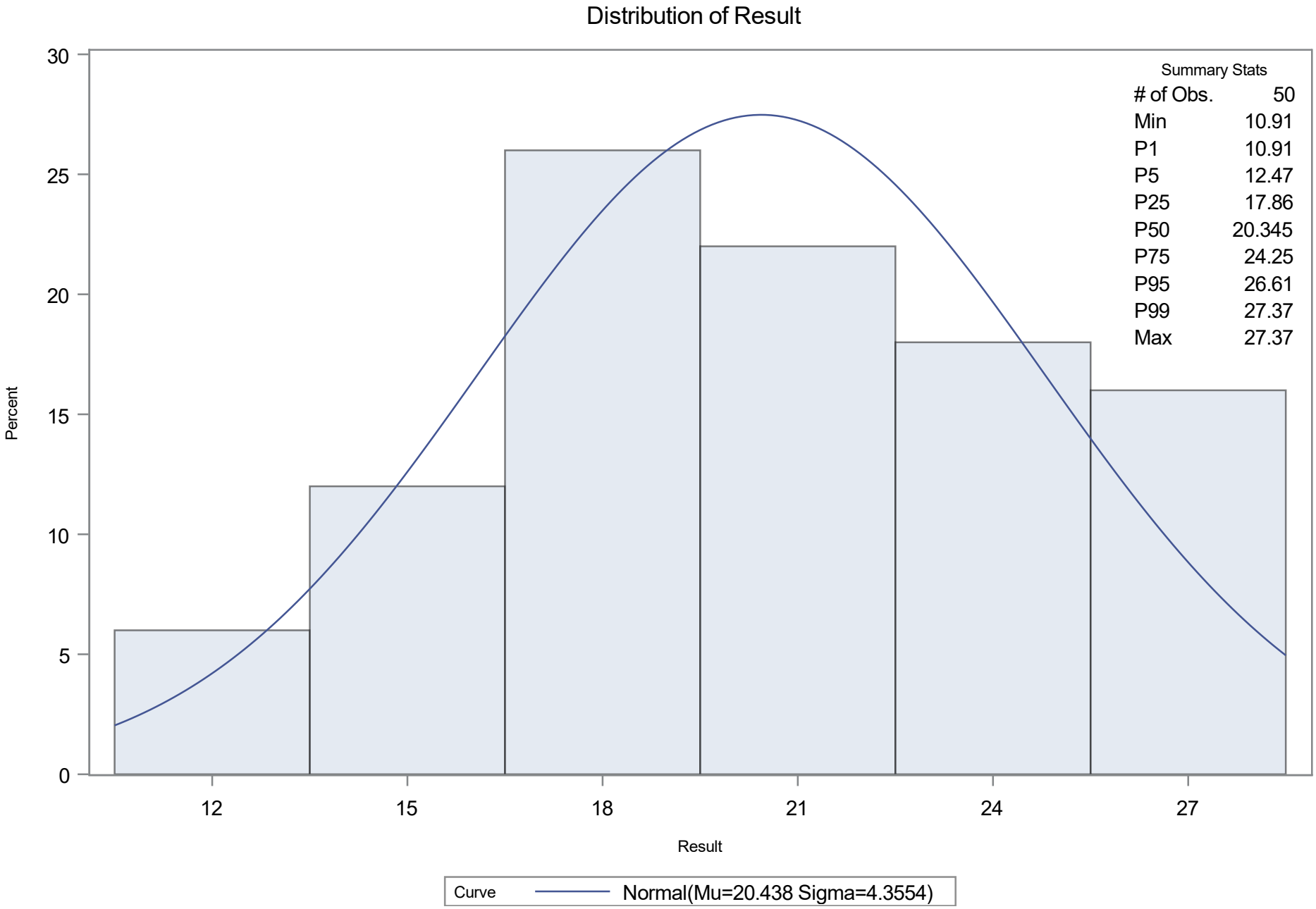

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 152
Result
30
25
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 165
Result
25
20
15
10
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20.4378
Std Dev	Sigma	4.355363

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09830756	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05683687	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44729438	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	10.9100	10.3057
5.0	12.4700	13.2739
10.0	14.6550	14.8562
25.0	17.8600	17.5002
50.0	20.3450	20.4378
75.0	24.2500	23.3754
90.0	26.2600	26.0194
95.0	26.6100	27.6017
99.0	27.3700	30.5699

Period of Record: January 1996 through December 2023
Analysis Days Only

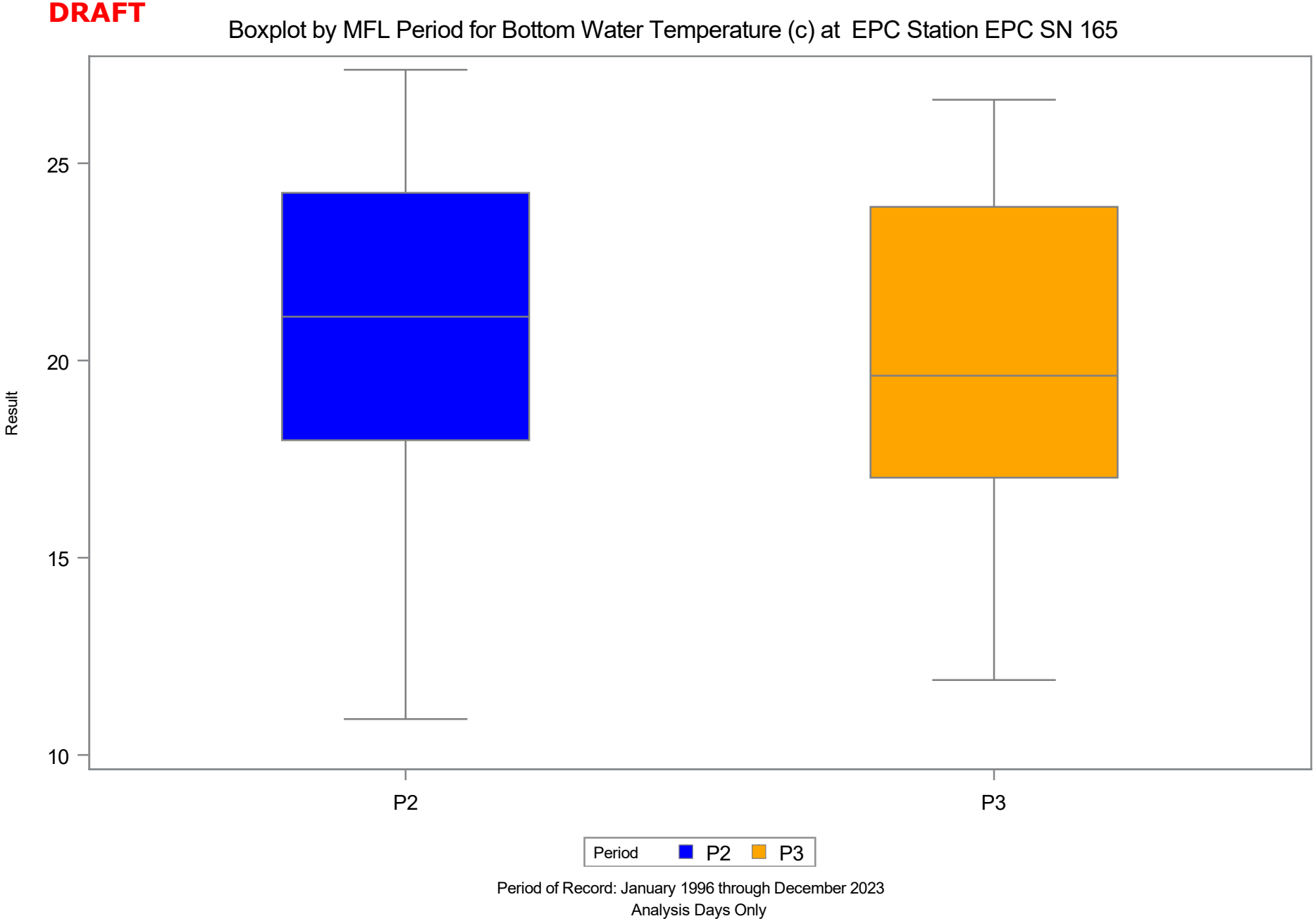
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 165

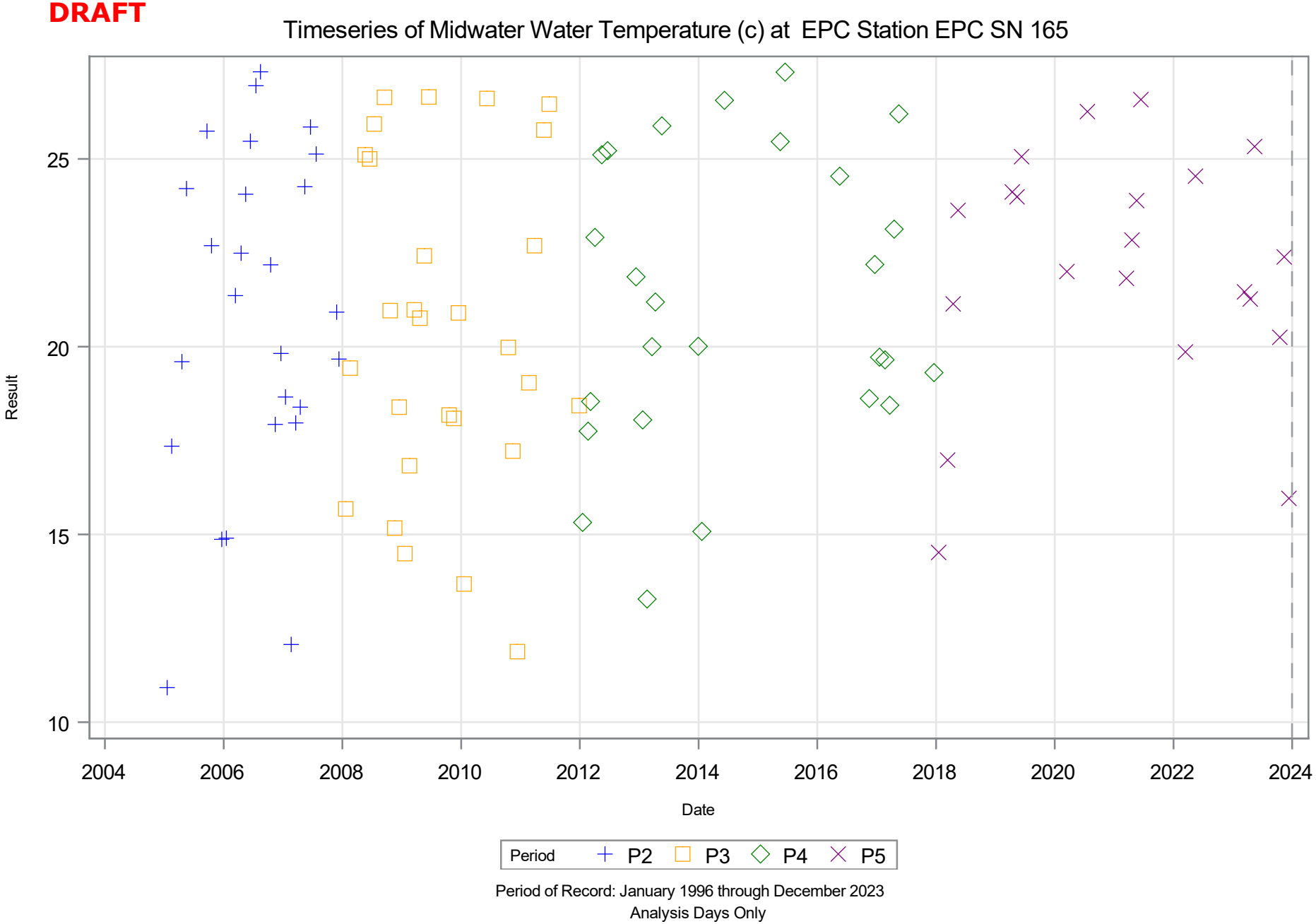
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	10.91	17.98	20.80	21.11	24.25	27.37
P3	24	11.90	17.03	20.05	19.62	23.90	26.61

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

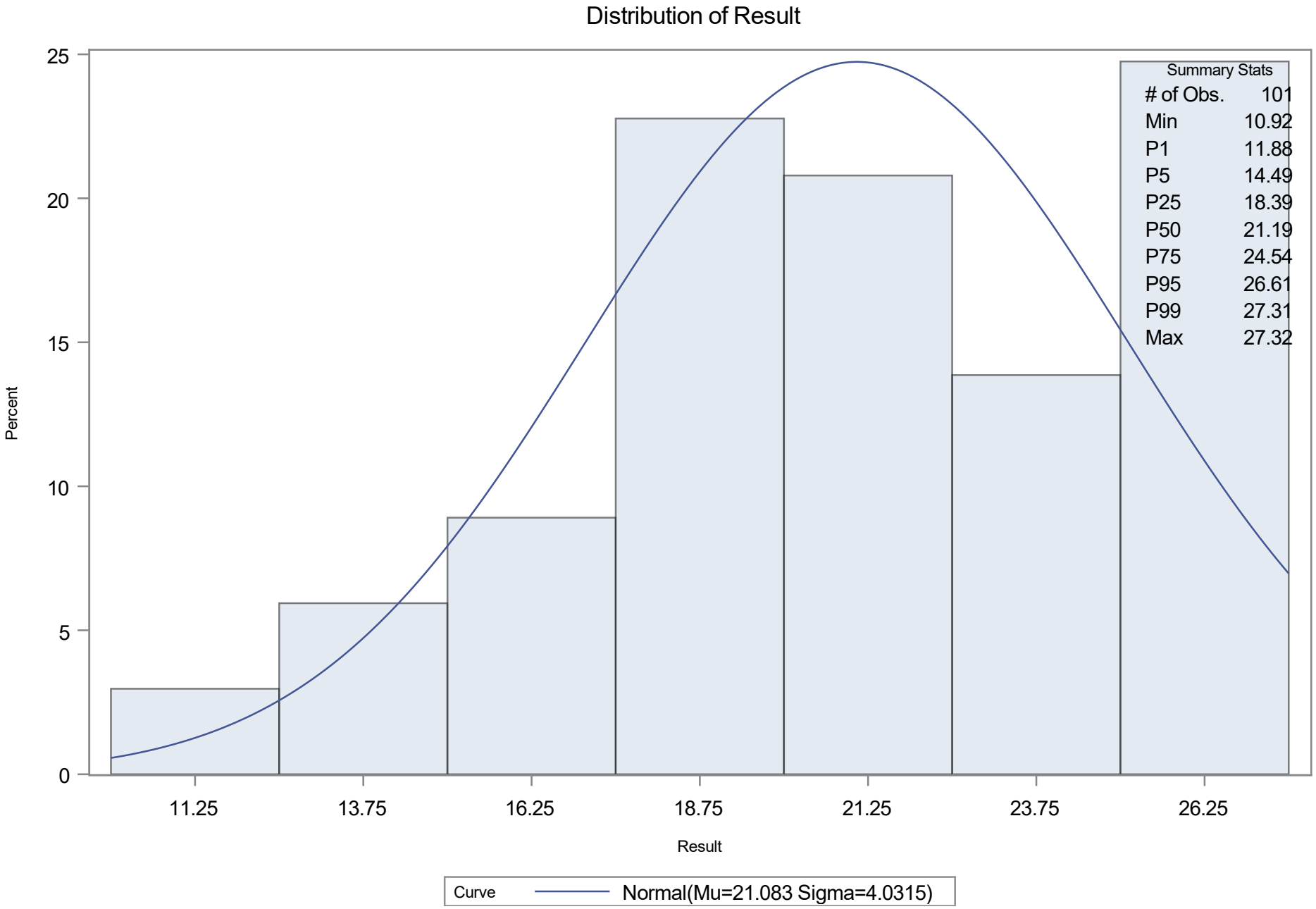

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 165
Result
25
20
15
10
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 165
Result
25
20
15
10
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	21.08287
Std Dev	Sigma	4.031496

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08361203	**Pr > D**	0.082
Cramer-von Mises	**W-Sq**	0.10970548	**Pr > W-Sq**	0.086
Anderson-Darling	**A-Sq**	0.88249438	**Pr > A-Sq**	0.023

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.8800	11.7042
5.0	14.4900	14.4517
10.0	15.1700	15.9163
25.0	18.3900	18.3637
50.0	21.1900	21.0829
75.0	24.5400	23.8021
90.0	26.2000	26.2494
95.0	26.6100	27.7141
99.0	27.3100	30.4615

Period of Record: January 1996 through December 2023
Analysis Days Only

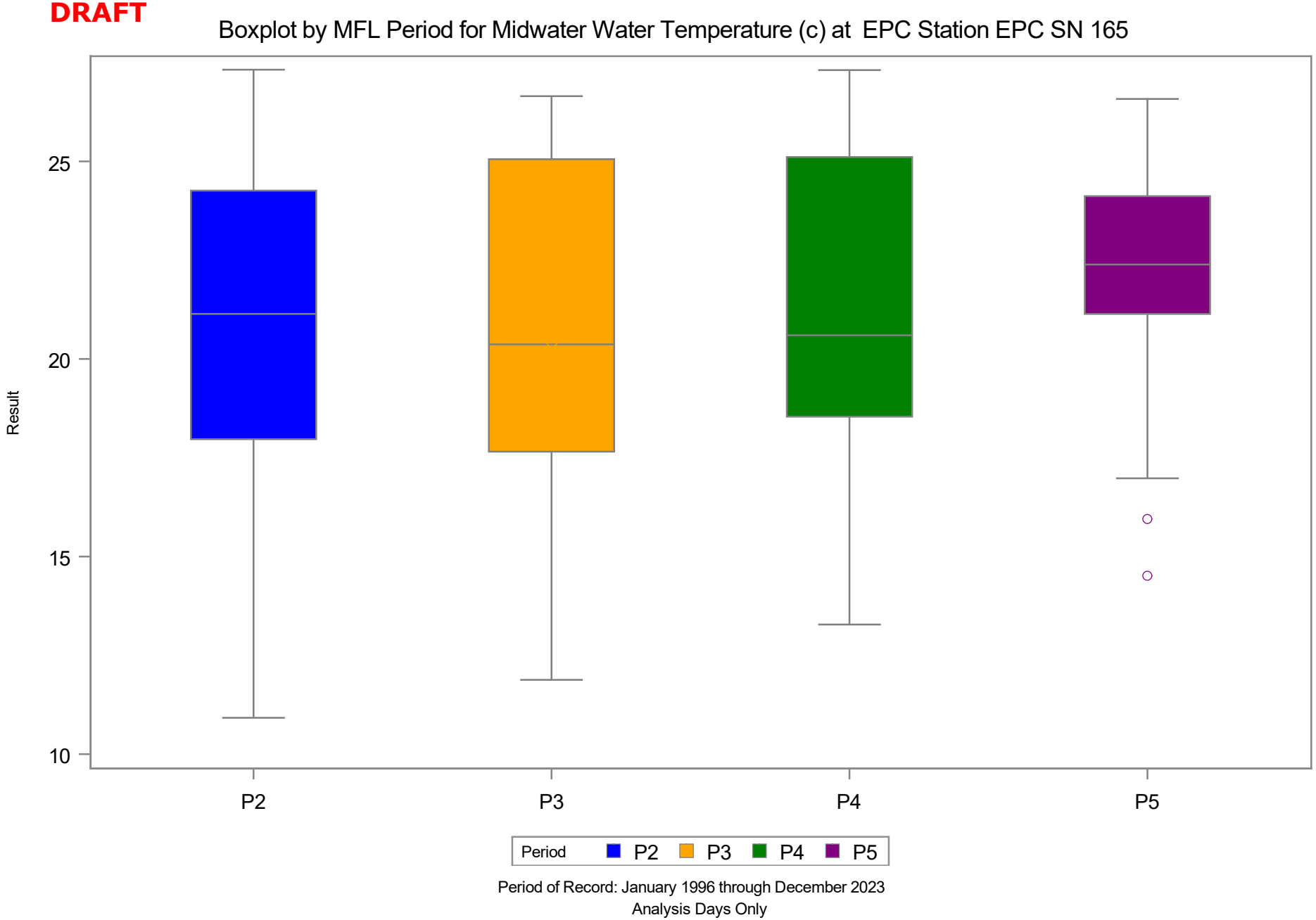
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 165

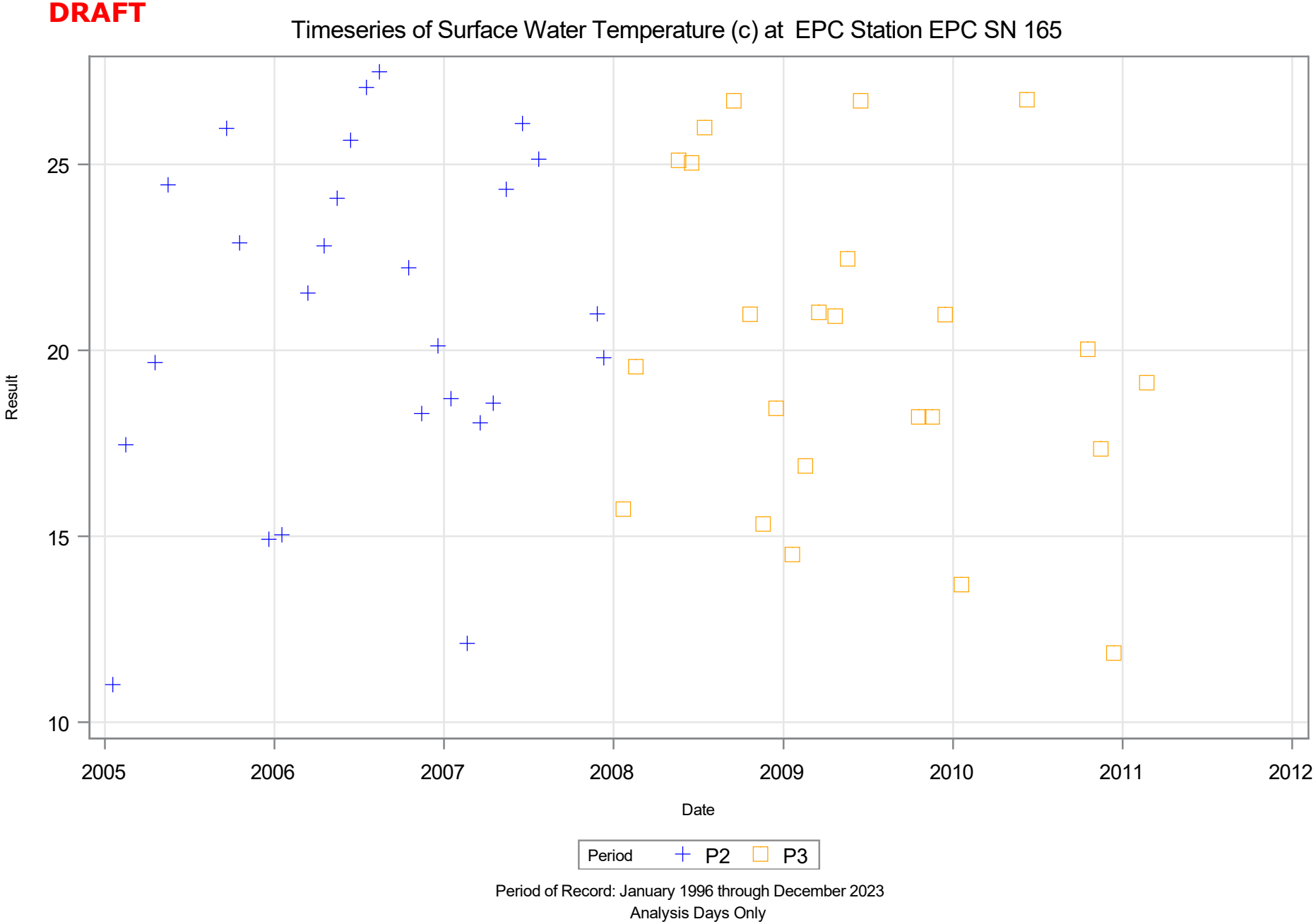
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	10.92	17.97	20.80	21.14	24.26	27.32
P3	28	11.88	17.66	20.48	20.37	25.06	26.65
P4	26	13.28	18.54	21.21	20.60	25.11	27.31
P5	21	14.52	21.14	22.09	22.39	24.12	26.58

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

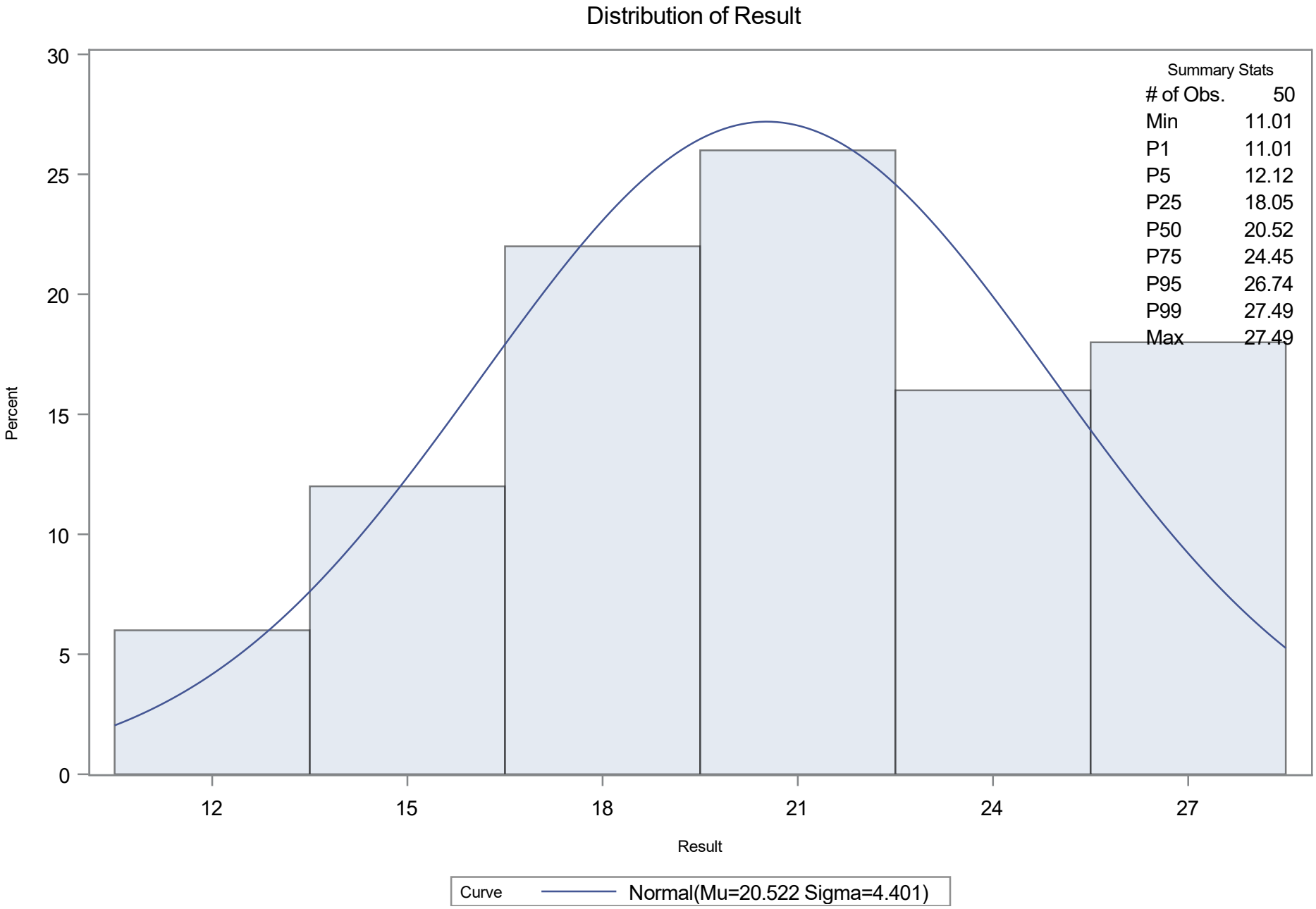

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 165
Result
25
20
15
10
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 165
Result
25
20
15
10
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	20.5216
Std Dev	Sigma	4.401041

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09126209	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05465177	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44378153	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.0100	10.2832
5.0	12.1200	13.2825
10.0	14.7150	14.8814
25.0	18.0500	17.5531
50.0	20.5200	20.5216
75.0	24.4500	23.4901
90.0	26.4050	26.1618
95.0	26.7400	27.7607
99.0	27.4900	30.7600

Period of Record: January 1996 through December 2023
Analysis Days Only

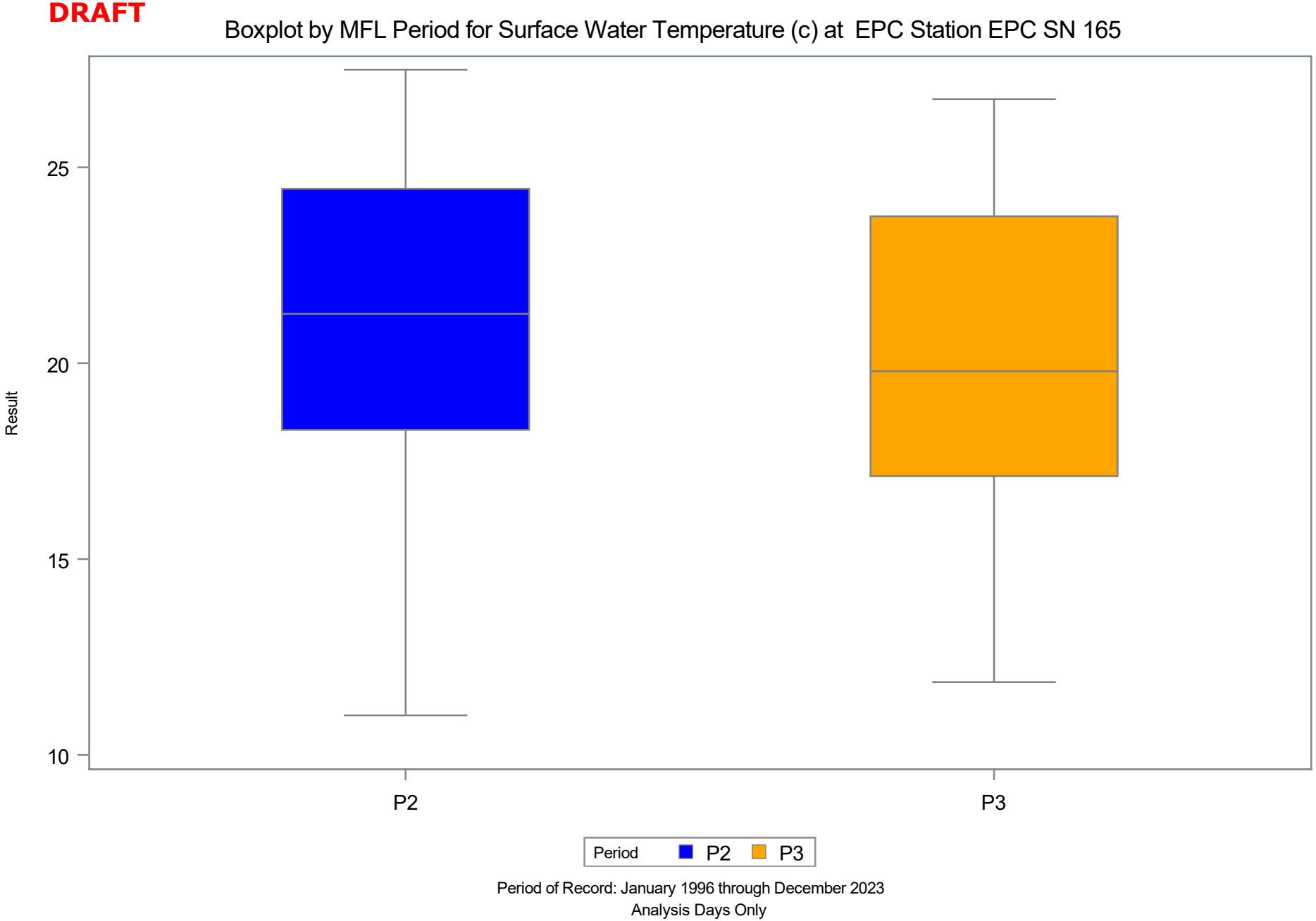
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 165

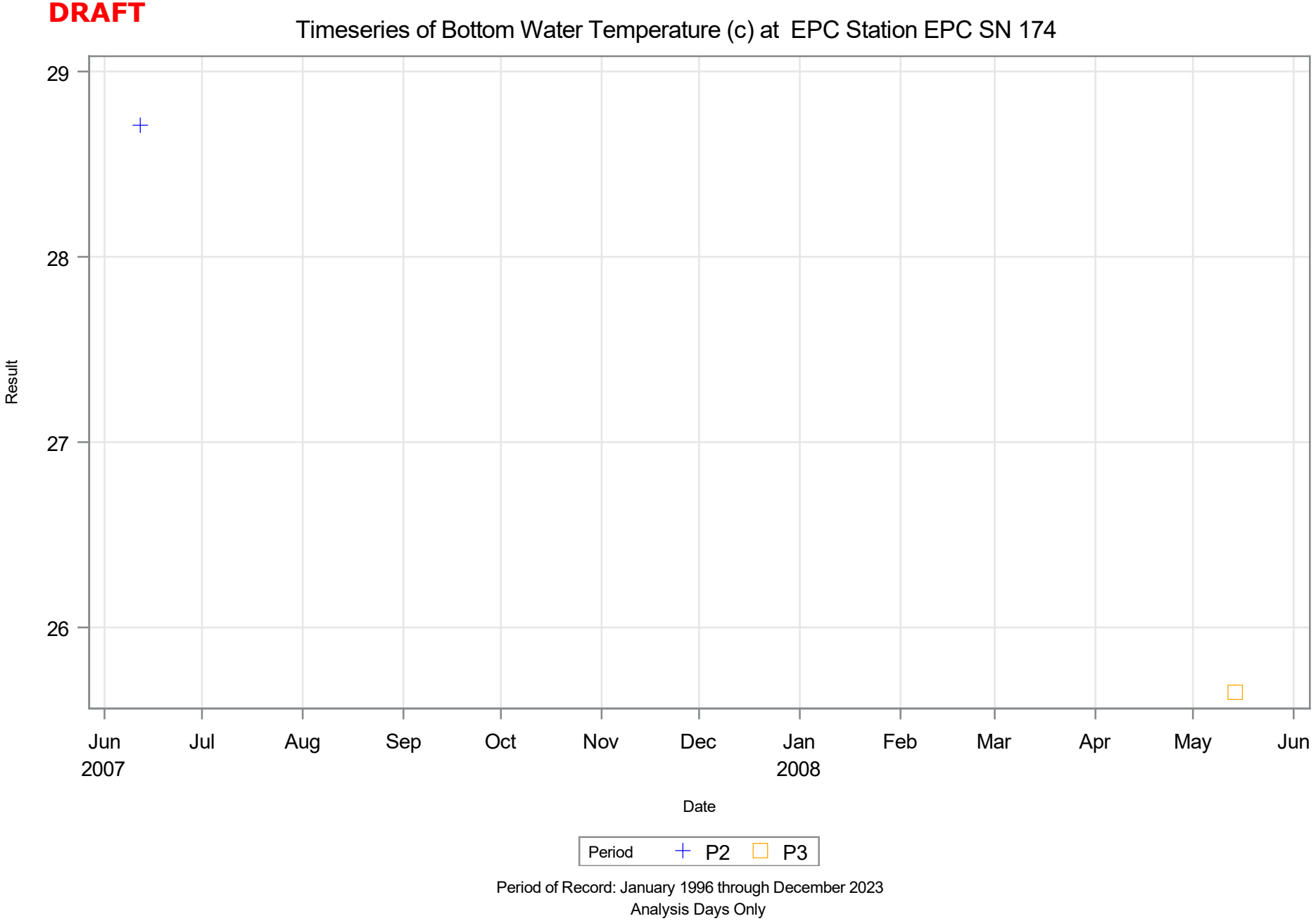
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	11.01	18.30	20.94	21.26	24.45	27.49
P3	24	11.86	17.12	20.07	19.80	23.75	26.74

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 165
Result
25
20
15
10
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

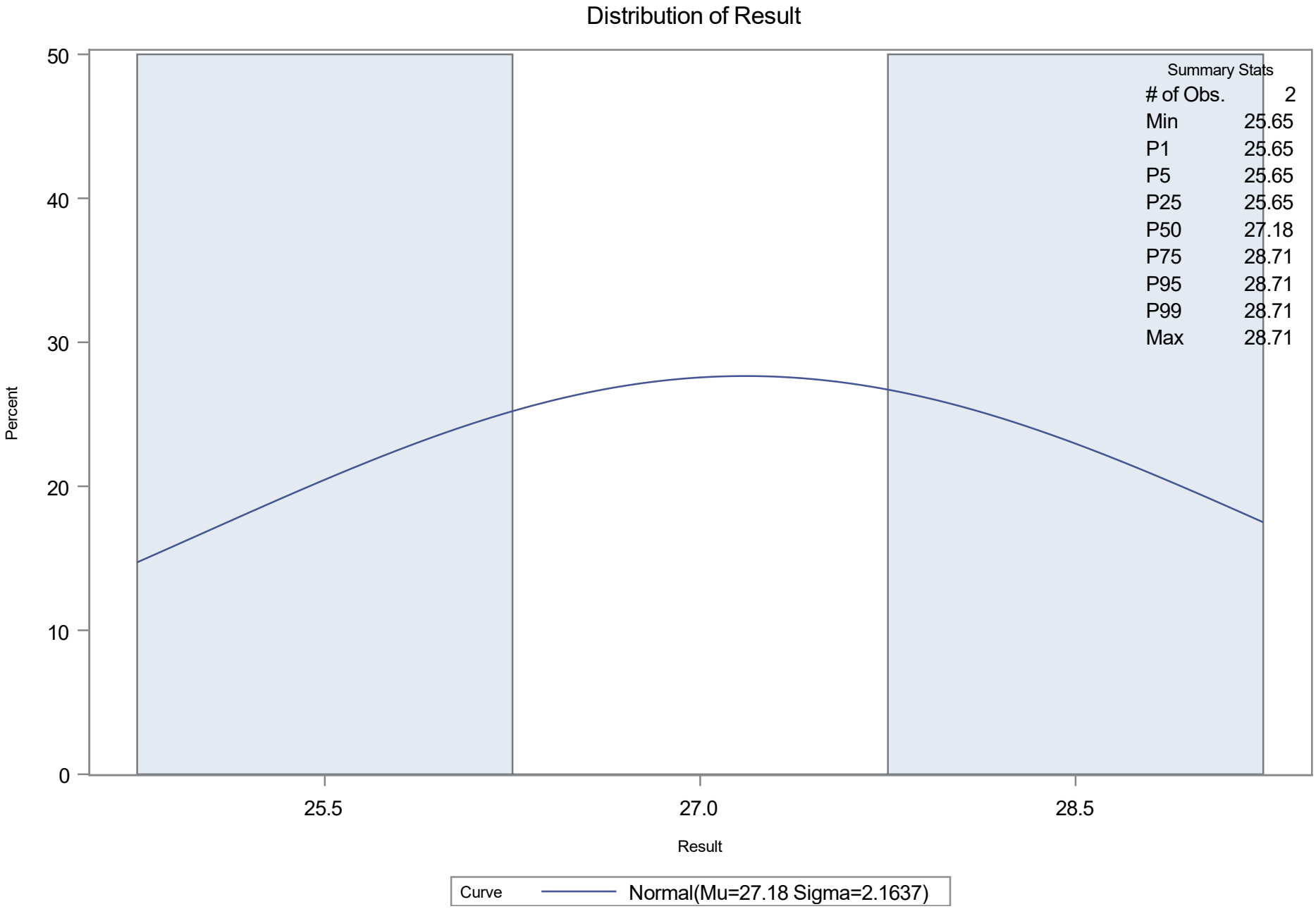
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	27.18
Std Dev	Sigma	2.163747

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	25.6500	22.1464
5.0	25.6500	23.6210
10.0	25.6500	24.4070
25.0	25.6500	25.7206
50.0	27.1800	27.1800
75.0	28.7100	28.6394
90.0	28.7100	29.9530
95.0	28.7100	30.7390
99.0	28.7100	32.2136

Period of Record: January 1996 through December 2023
Analysis Days Only

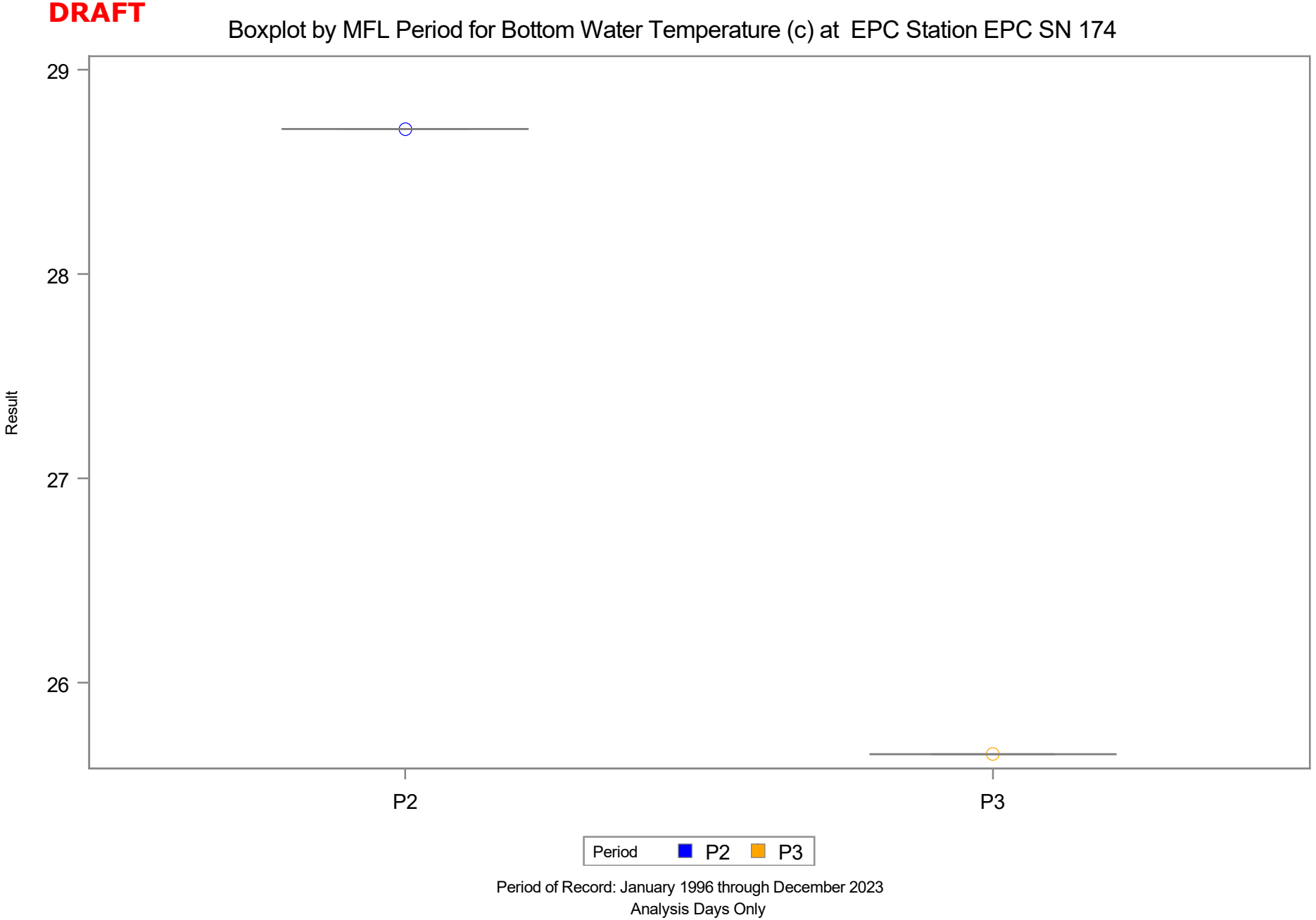
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 174

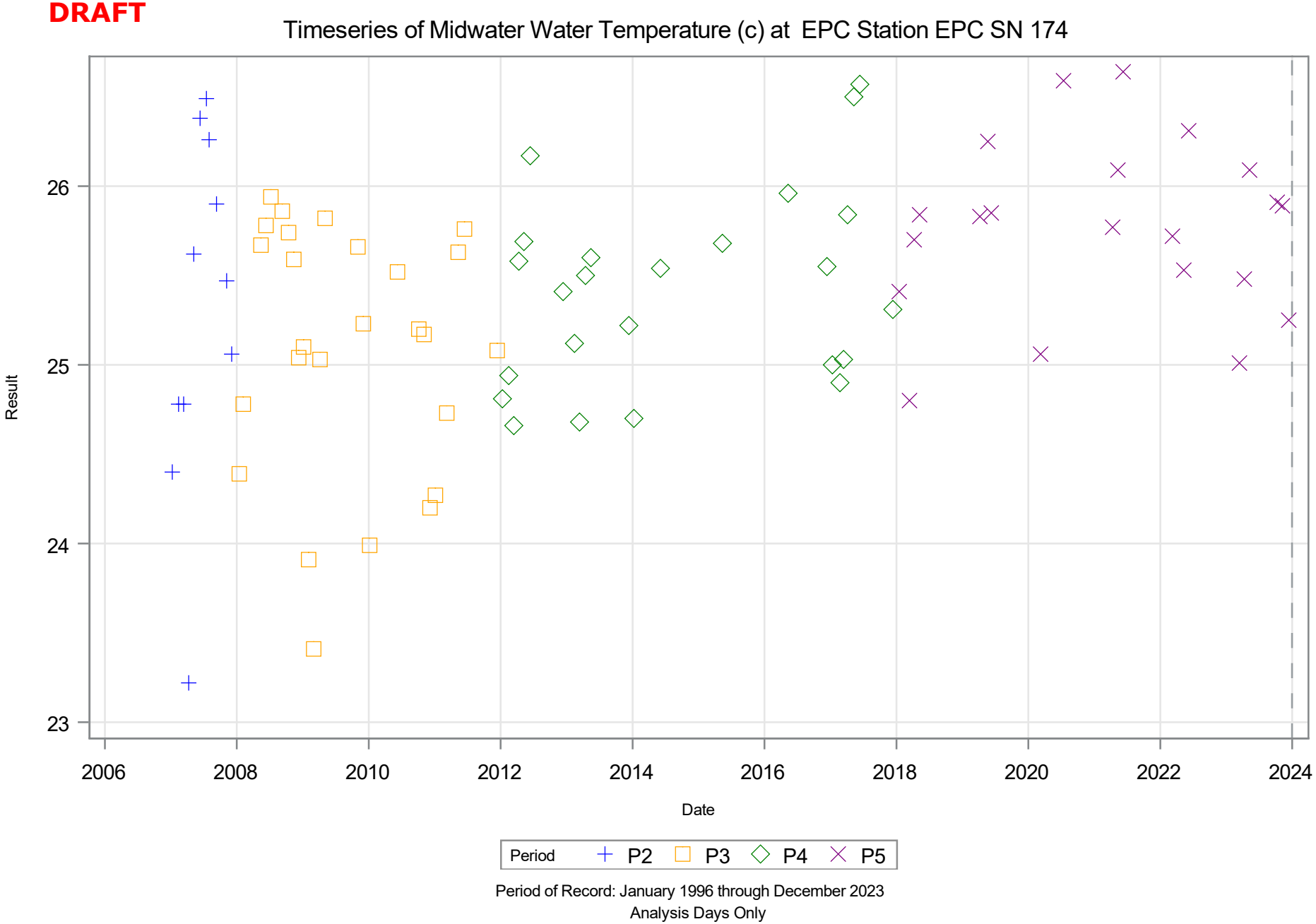
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	28.71	28.71	28.71	28.71	28.71	28.71
P3	1	25.65	25.65	25.65	25.65	25.65	25.65

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

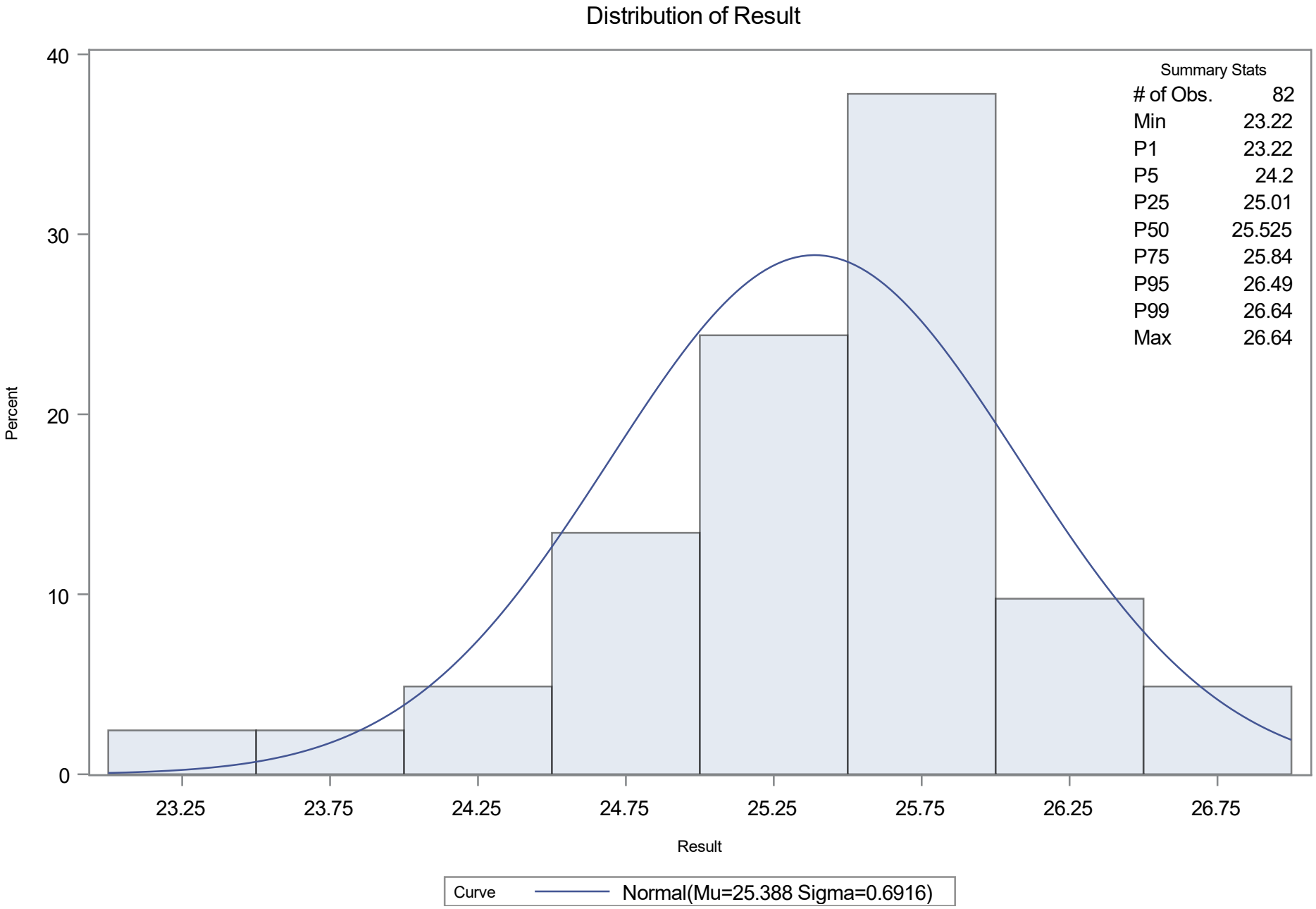

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 174
29
28
27
26
Result
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 174
Result
26
25
24
23
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.38829
Std Dev	Sigma	0.69155

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09580647	**Pr > D**	0.063
Cramer-von Mises	**W-Sq**	0.11406039	**Pr > W-Sq**	0.076
Anderson-Darling	**A-Sq**	0.69083744	**Pr > A-Sq**	0.073

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	23.2200	23.7795
5.0	24.2000	24.2508
10.0	24.6600	24.5020
25.0	25.0100	24.9218
50.0	25.5250	25.3883
75.0	25.8400	25.8547
90.0	26.2500	26.2745
95.0	26.4900	26.5258
99.0	26.6400	26.9971

Period of Record: January 1996 through December 2023
Analysis Days Only

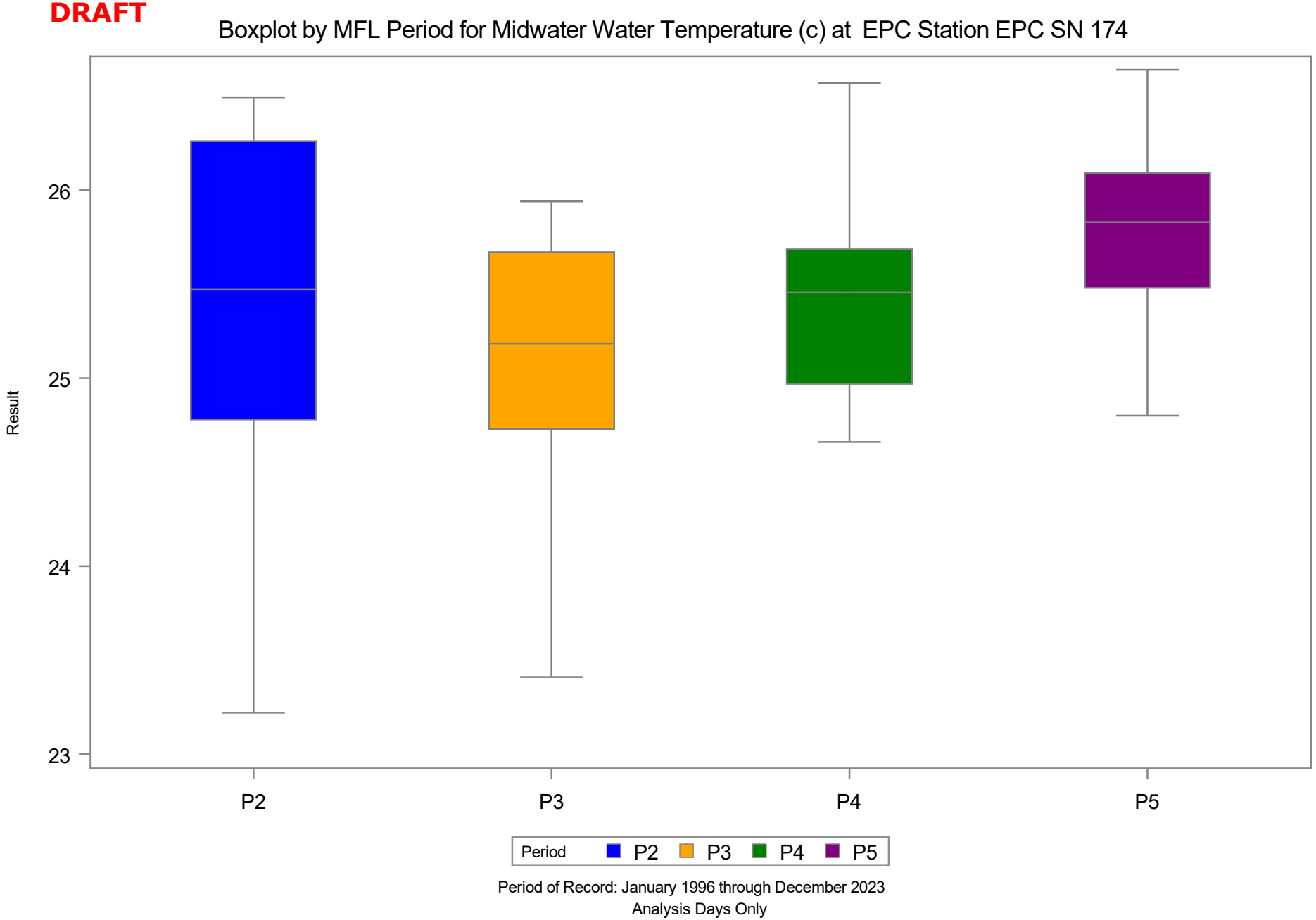
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 174

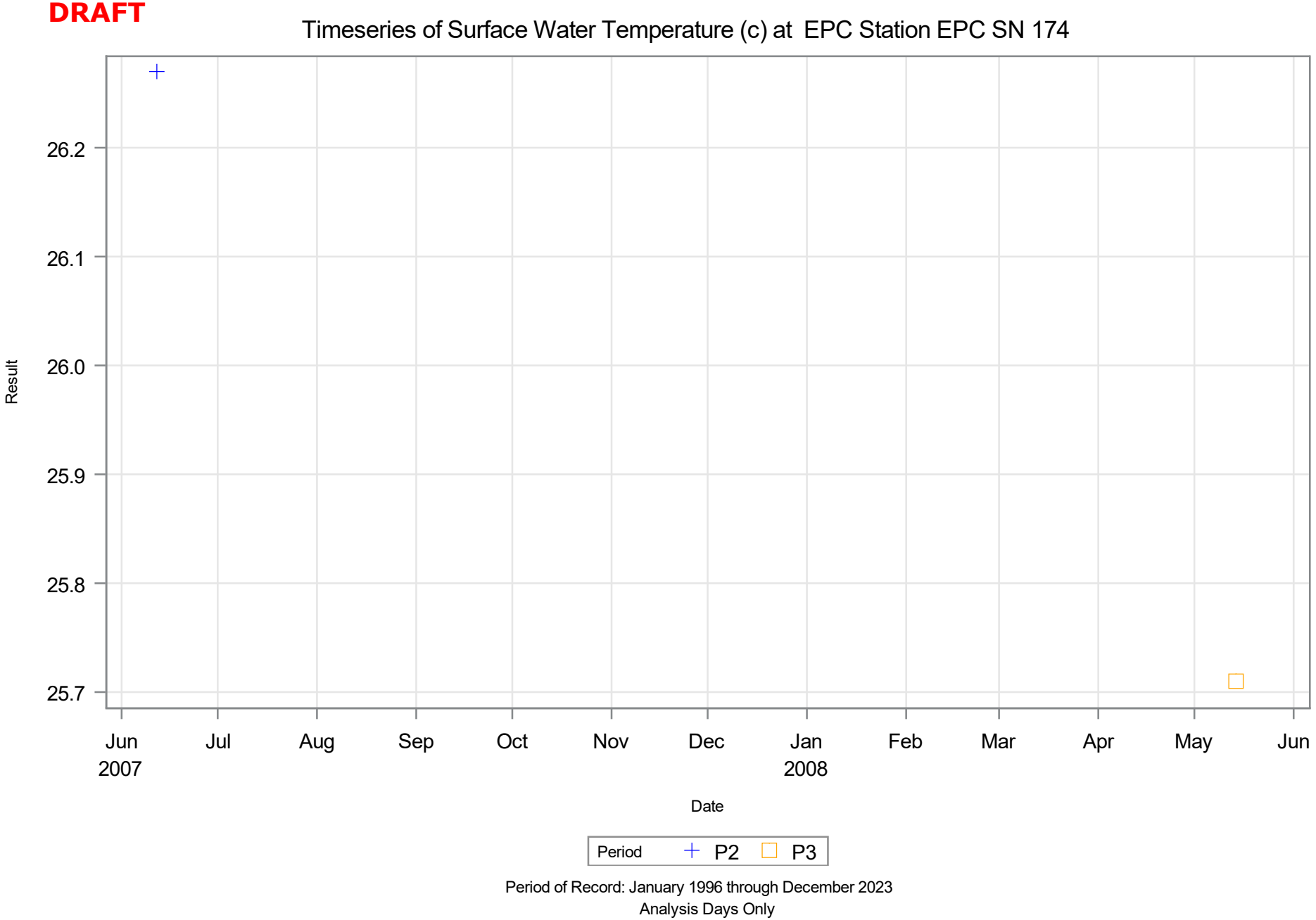
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	23.22	24.78	25.31	25.47	26.26	26.49
P3	26	23.41	24.73	25.10	25.19	25.67	25.94
P4	24	24.66	24.97	25.42	25.46	25.69	26.57
P5	21	24.80	25.48	25.76	25.83	26.09	26.64

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

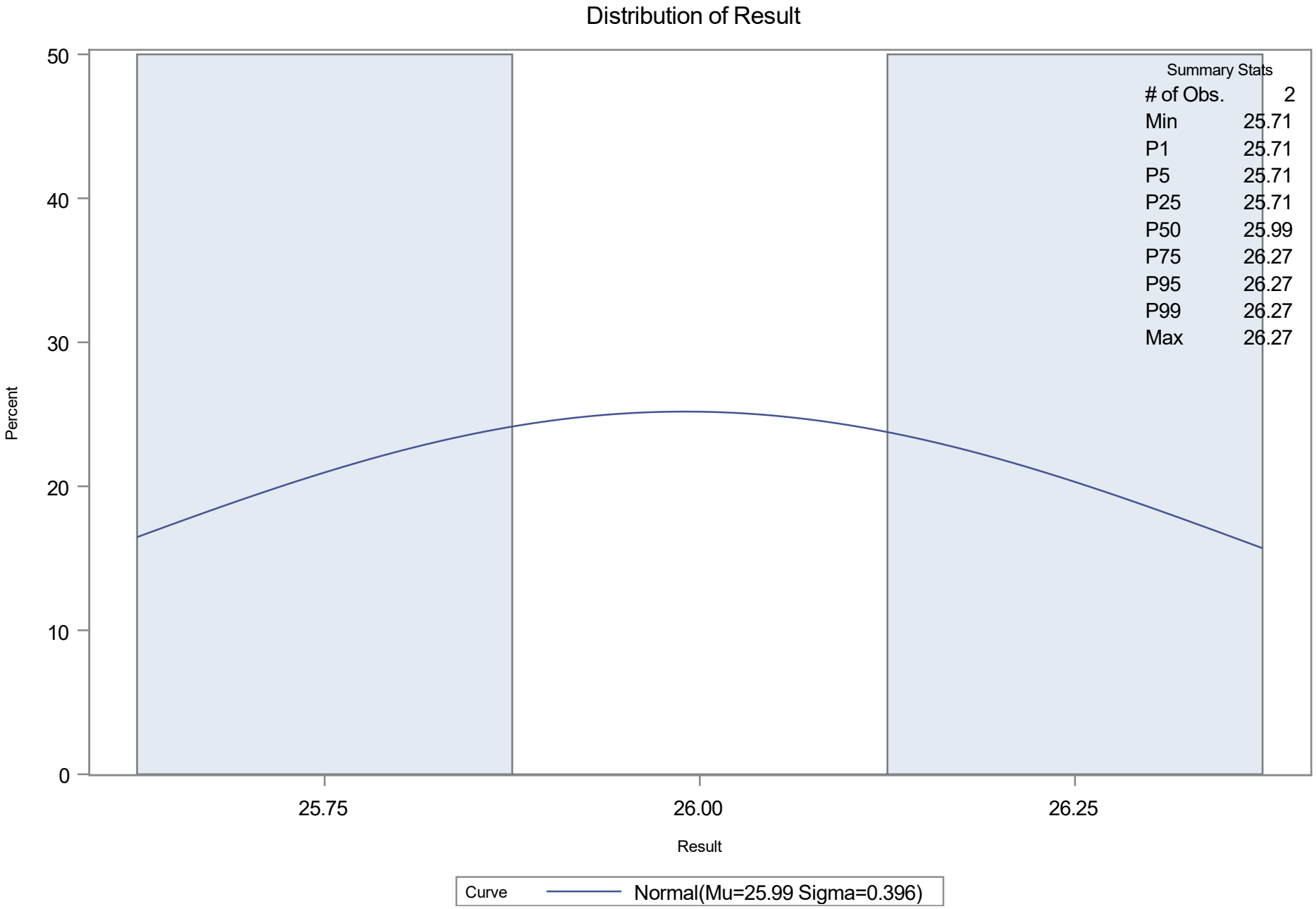

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 174
Result
26
25
24
23
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 174
Result
26.2
26.1
26.0
25.9
25.8
25.7
Jun
2007
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2008
Feb
Mar
Apr
May
Jun
Date
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.99
Std Dev	Sigma	0.39598

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	25.7100	25.0688
5.0	25.7100	25.3387
10.0	25.7100	25.4825
25.0	25.7100	25.7229
50.0	25.9900	25.9900
75.0	26.2700	26.2571
90.0	26.2700	26.4975
95.0	26.2700	26.6413
99.0	26.2700	26.9112

Period of Record: January 1996 through December 2023
Analysis Days Only

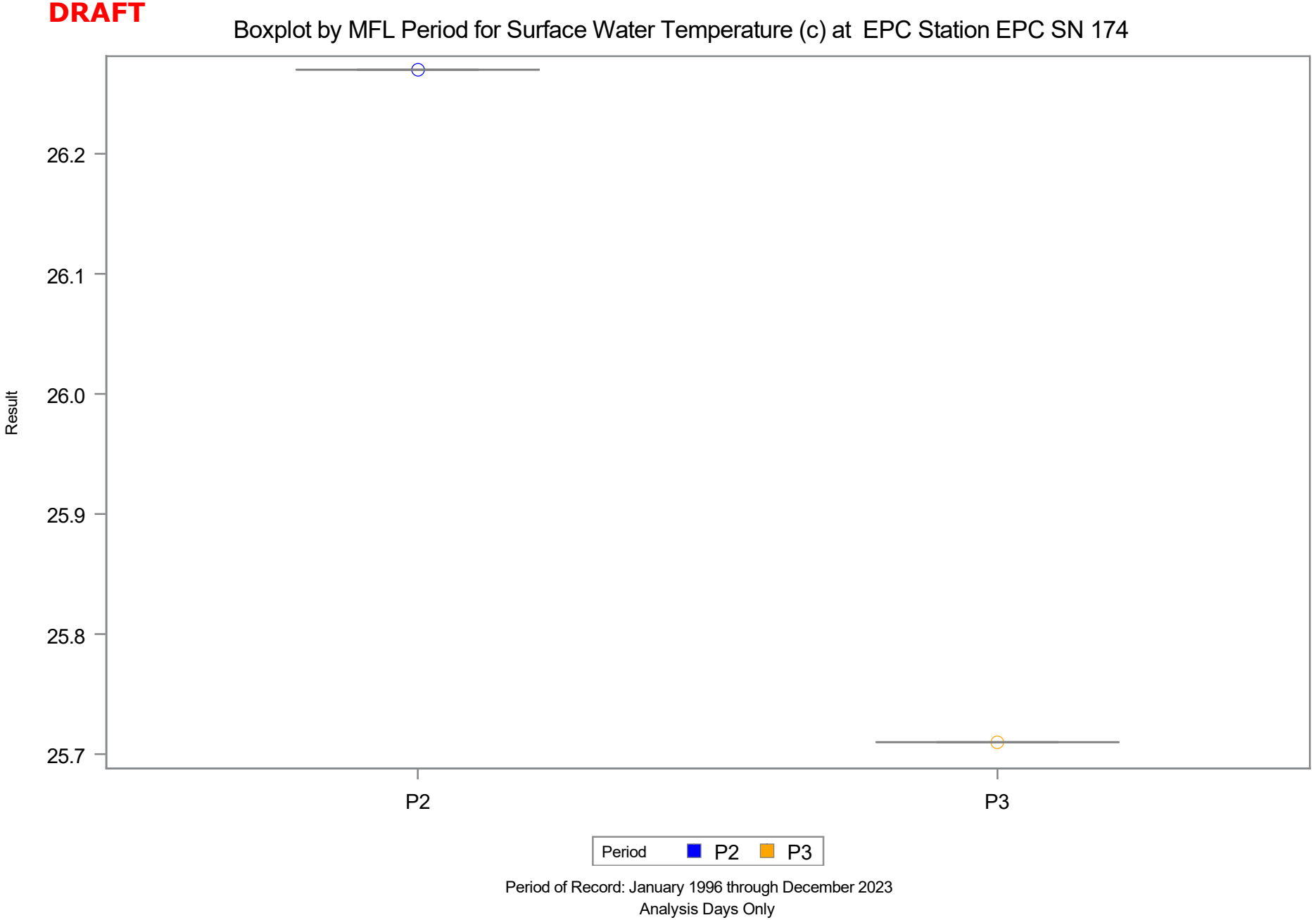
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 174

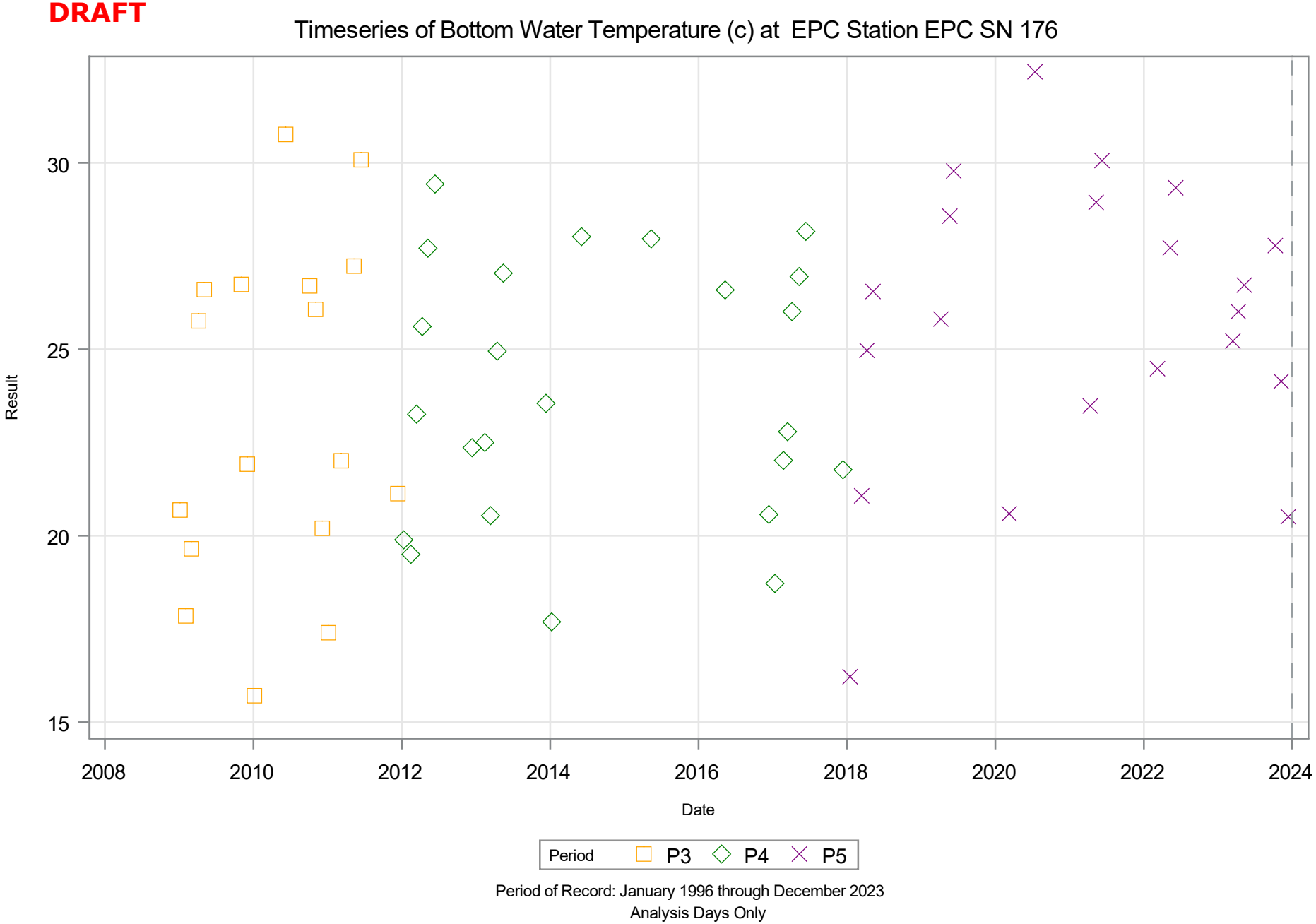
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	26.27	26.27	26.27	26.27	26.27	26.27
P3	1	25.71	25.71	25.71	25.71	25.71	25.71

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 174
Result
26.2
26.1
26.0
25.9
25.8
25.7
P2
P3
Period
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

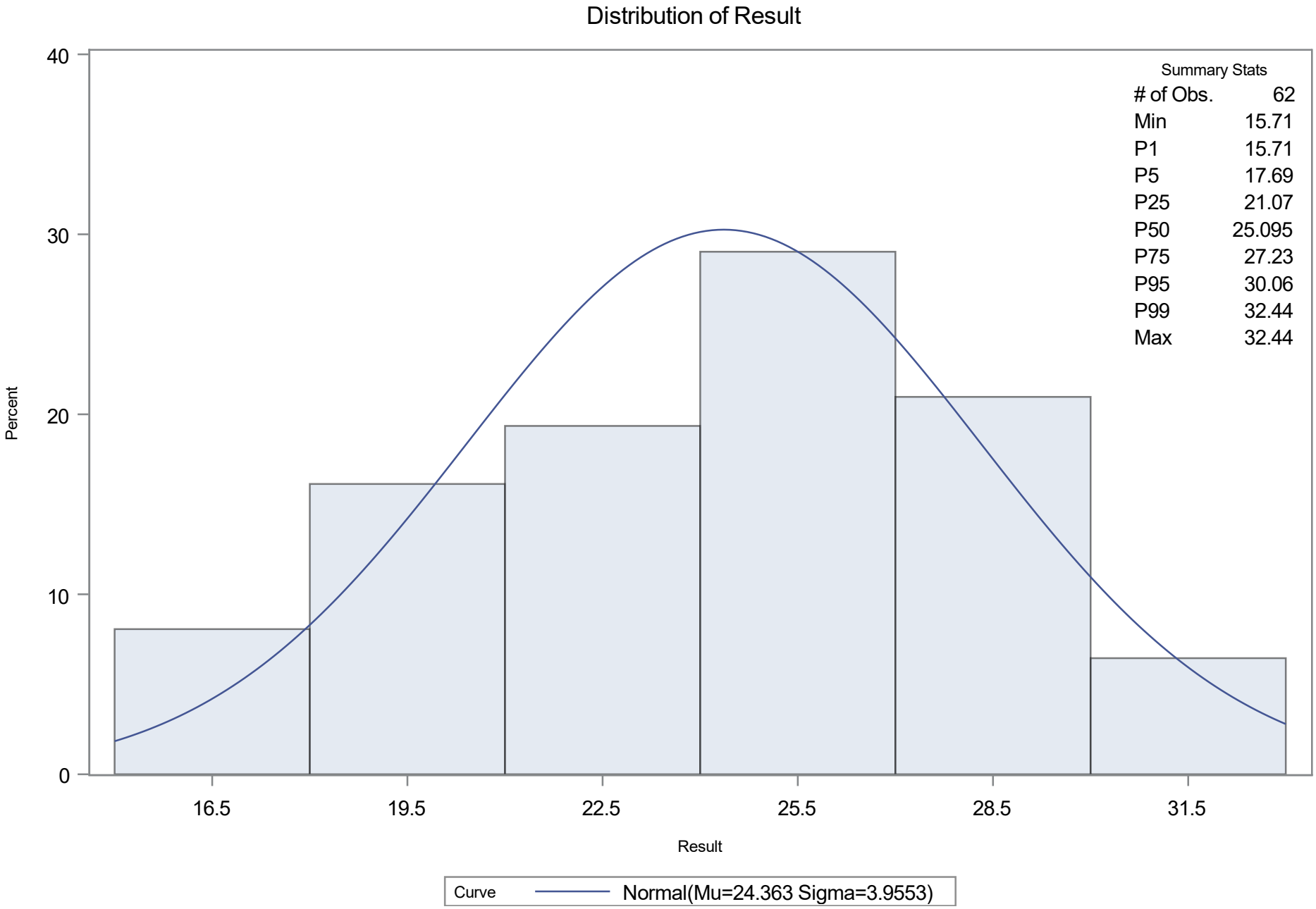
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.36258
Std Dev	Sigma	3.955317

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10763357	**Pr > D**	0.074
Cramer-von Mises	**W-Sq**	0.11986547	**Pr > W-Sq**	0.062
Anderson-Darling	**A-Sq**	0.62424232	**Pr > A-Sq**	0.100

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.7100	15.1611
5.0	17.6900	17.8567
10.0	19.5000	19.2936
25.0	21.0700	21.6948
50.0	25.0950	24.3626
75.0	27.2300	27.0304
90.0	29.3300	29.4315
95.0	30.0600	30.8685
99.0	32.4400	33.5640

Period of Record: January 1996 through December 2023
Analysis Days Only

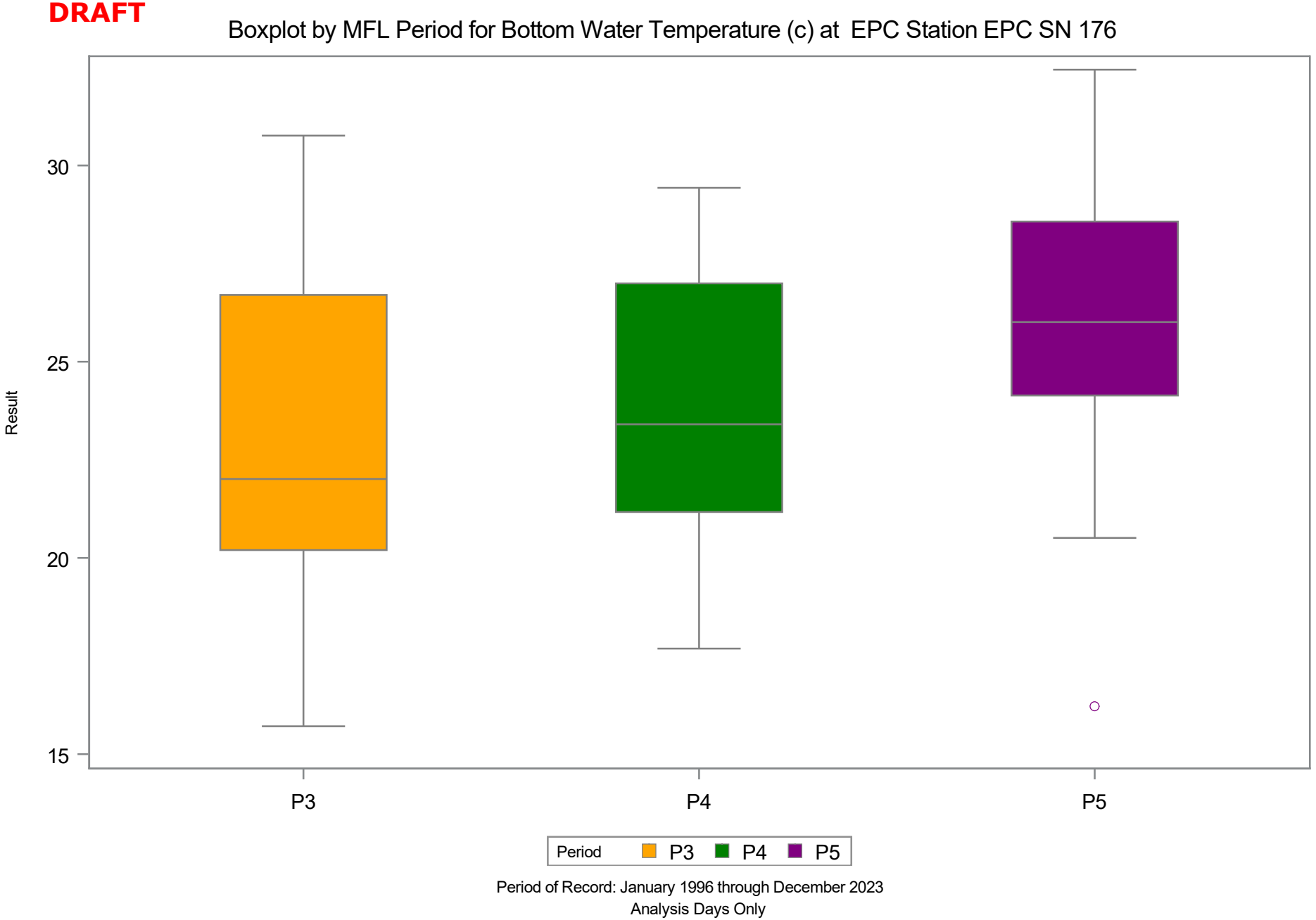
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 176

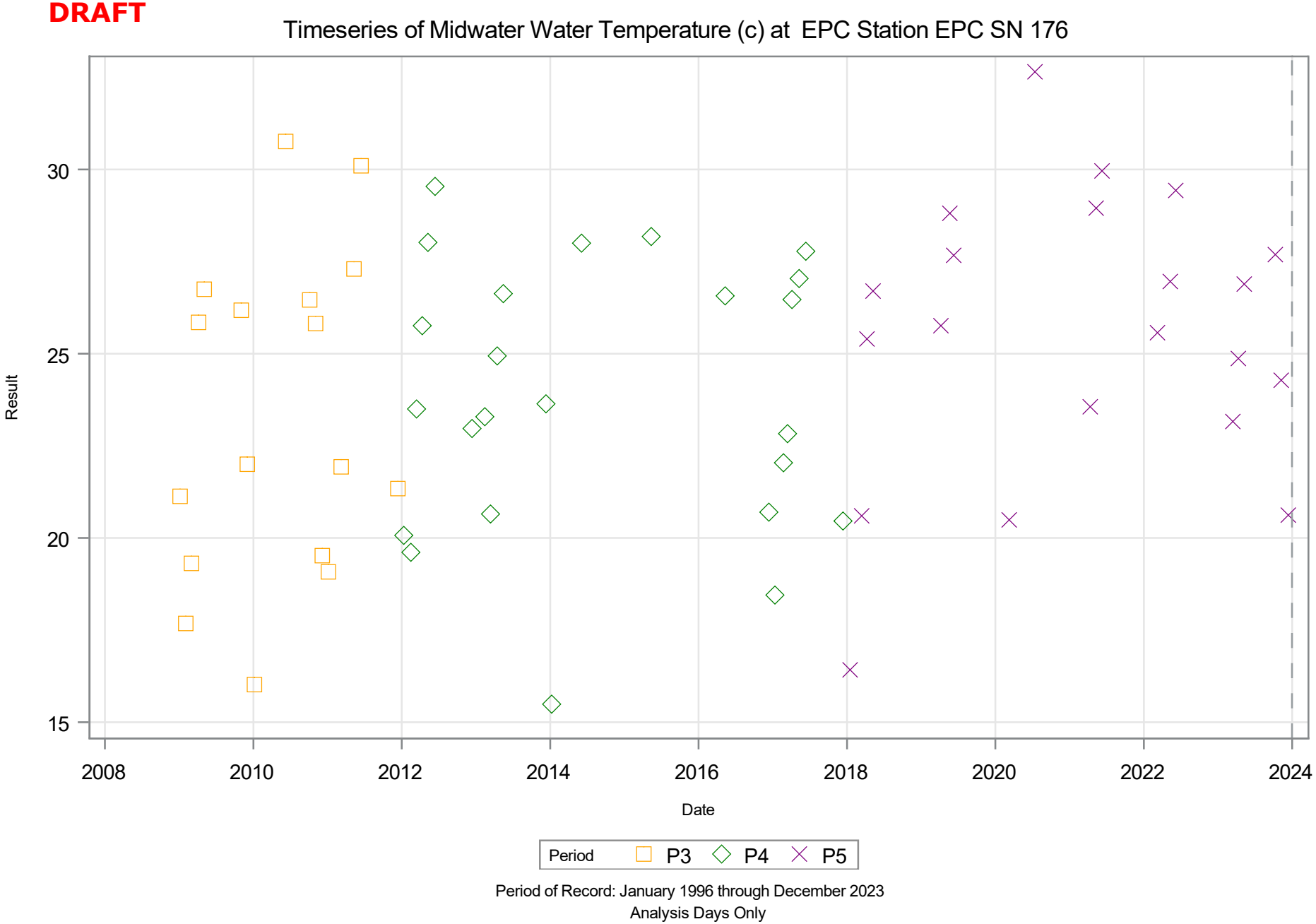
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.71	20.20	23.32	22.01	26.70	30.76
P4	24	17.69	21.17	23.90	23.41	27.00	29.43
P5	21	16.22	24.14	25.73	26.01	28.57	32.44

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 176
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

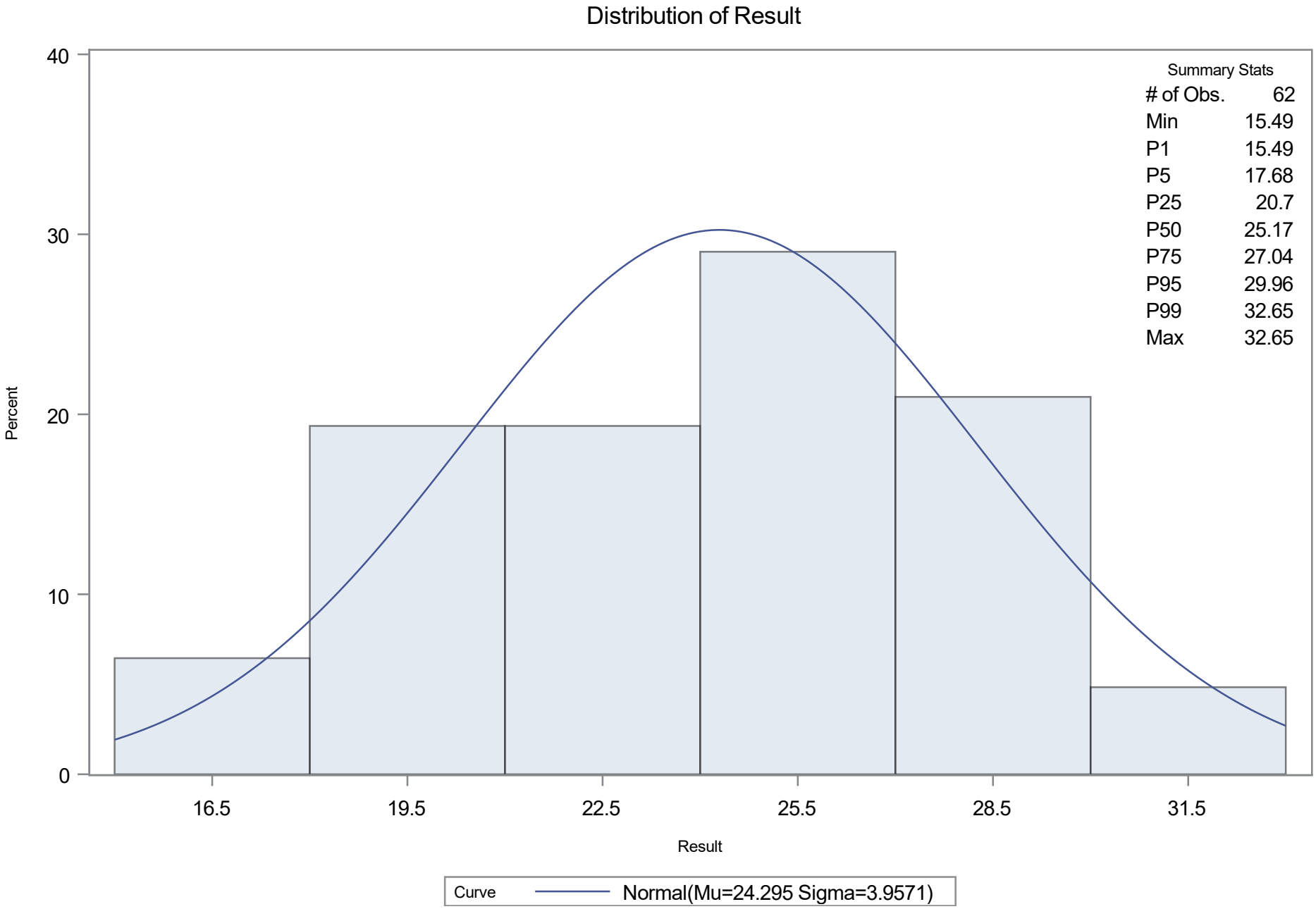
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.29516
Std Dev	Sigma	3.957069

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11211878	**Pr > D**	0.051
Cramer-von Mises	**W-Sq**	0.11992694	**Pr > W-Sq**	0.062
Anderson-Darling	**A-Sq**	0.62491555	**Pr > A-Sq**	0.099

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.4900	15.0896
5.0	17.6800	17.7864
10.0	19.3100	19.2240
25.0	20.7000	21.6262
50.0	25.1700	24.2952
75.0	27.0400	26.9642
90.0	28.9500	29.3663
95.0	29.9600	30.8040
99.0	32.6500	33.5007

Period of Record: January 1996 through December 2023
Analysis Days Only

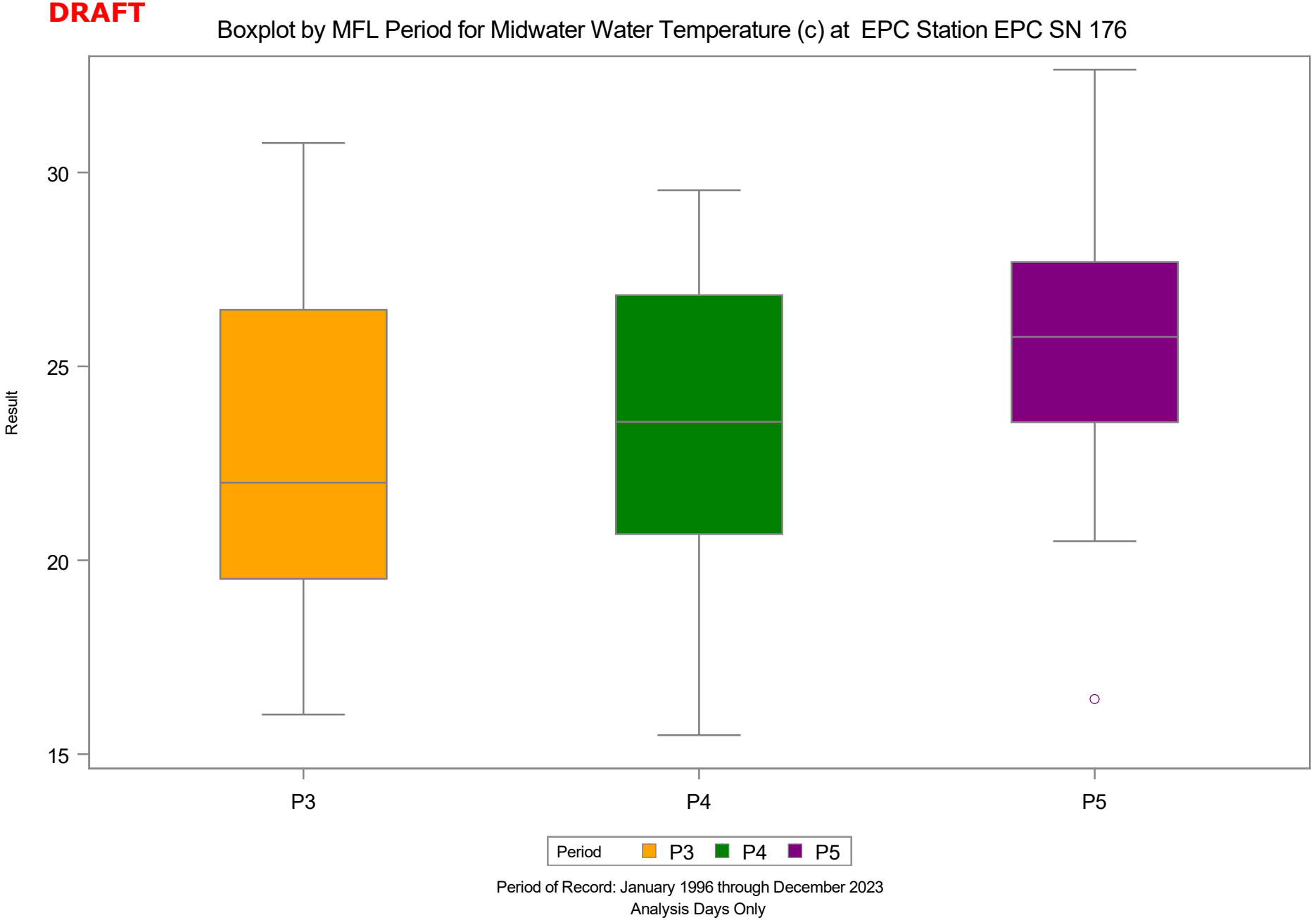
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 176

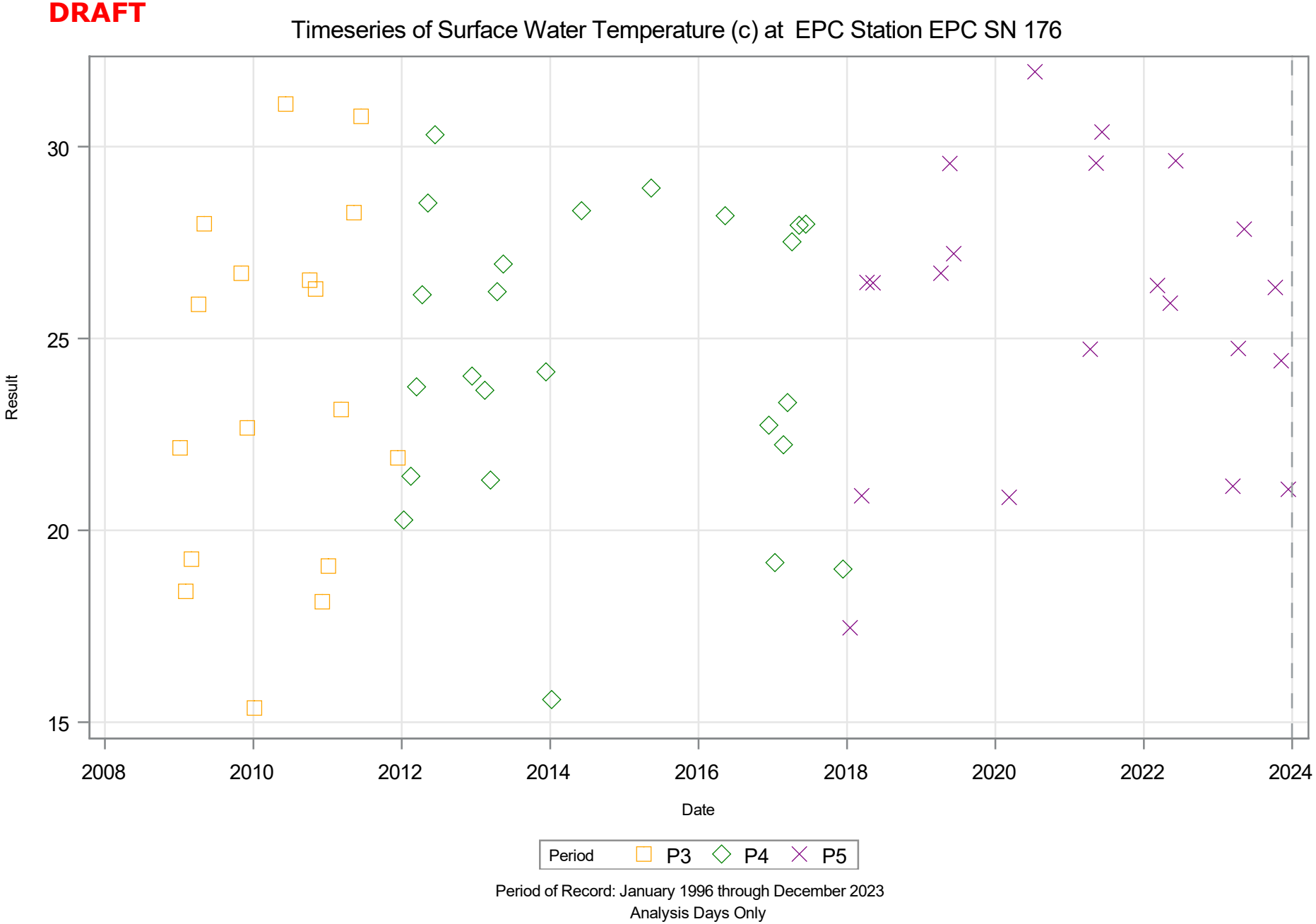
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	16.02	19.52	23.37	22.00	26.46	30.76
P4	24	15.49	20.67	23.86	23.57	26.84	29.54
P5	21	16.42	23.56	25.54	25.76	27.69	32.65

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 176
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

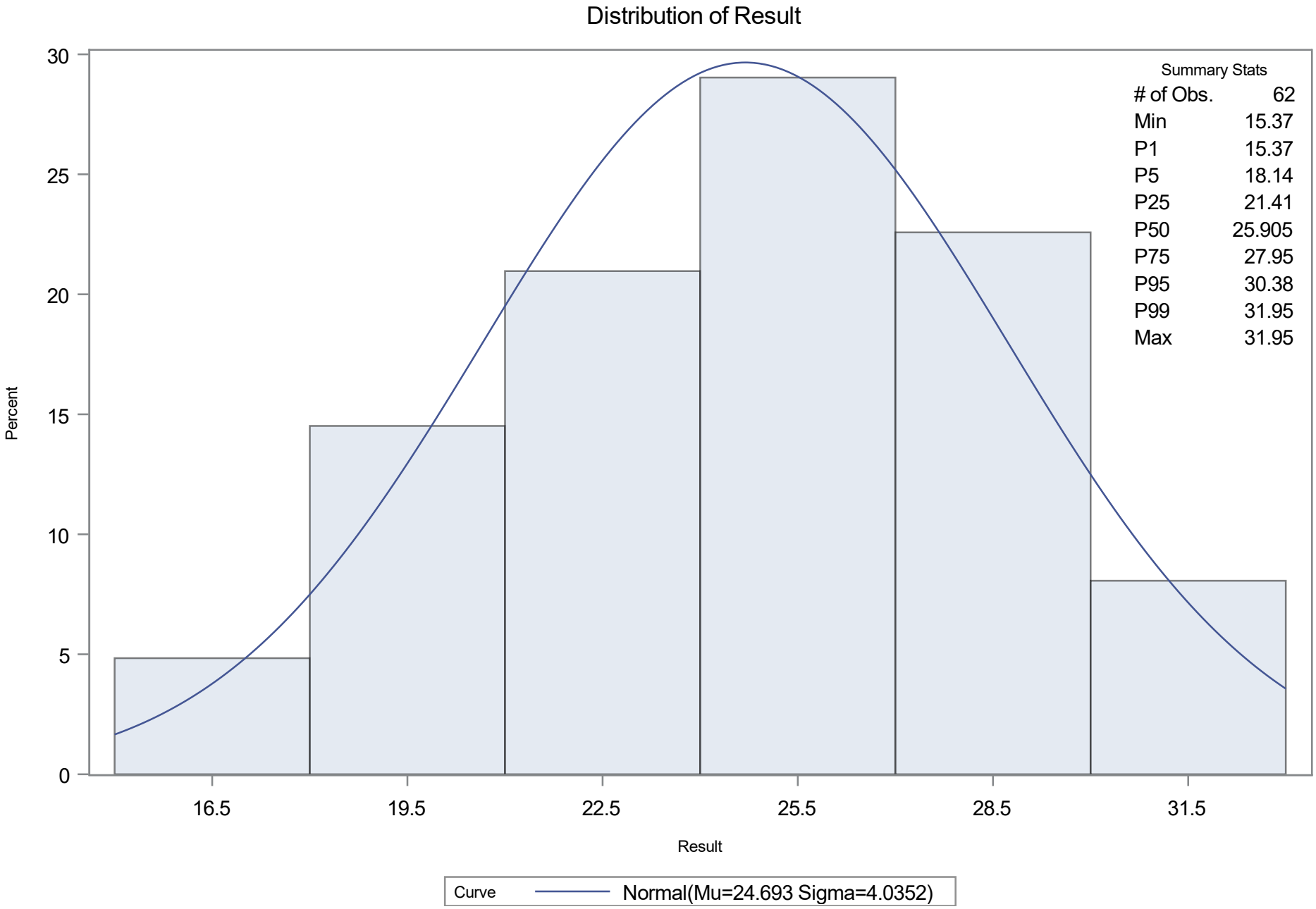
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.69339
Std Dev	Sigma	4.035151

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13272293	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.11406540	**Pr > W-Sq**	0.075
Anderson-Darling	**A-Sq**	0.62540672	**Pr > A-Sq**	0.099

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.3700	15.3062
5.0	18.1400	18.0562
10.0	19.0700	19.5221
25.0	21.4100	21.9717
50.0	25.9050	24.6934
75.0	27.9500	27.4151
90.0	29.5700	29.8646
95.0	30.3800	31.3306
99.0	31.9500	34.0806

Period of Record: January 1996 through December 2023
Analysis Days Only

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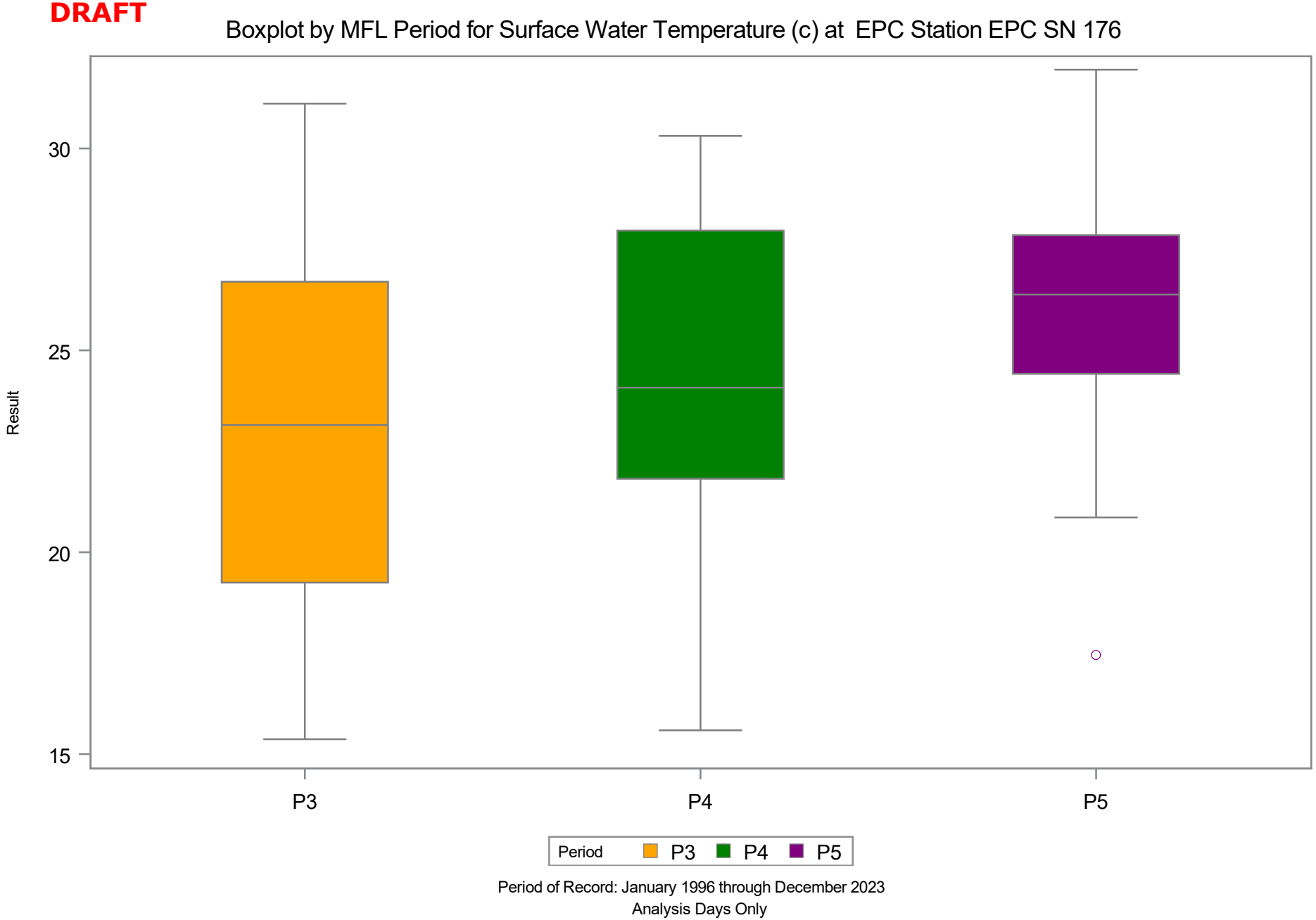
Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 176

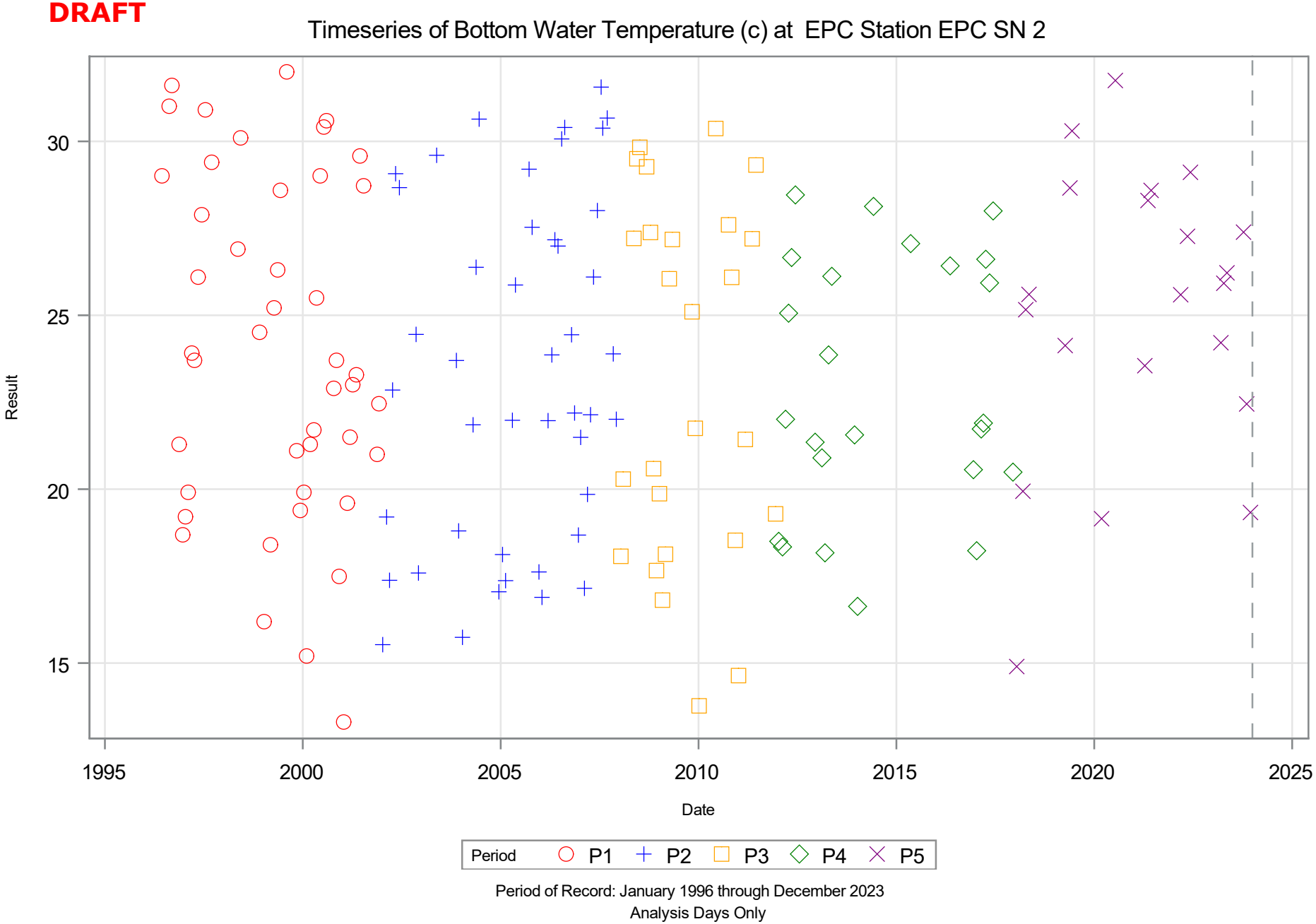
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	15.37	19.25	23.75	23.15	26.70	31.11
P4	24	15.59	21.82	24.48	24.08	27.97	30.31
P5	21	17.46	24.42	25.70	26.38	27.85	31.95

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

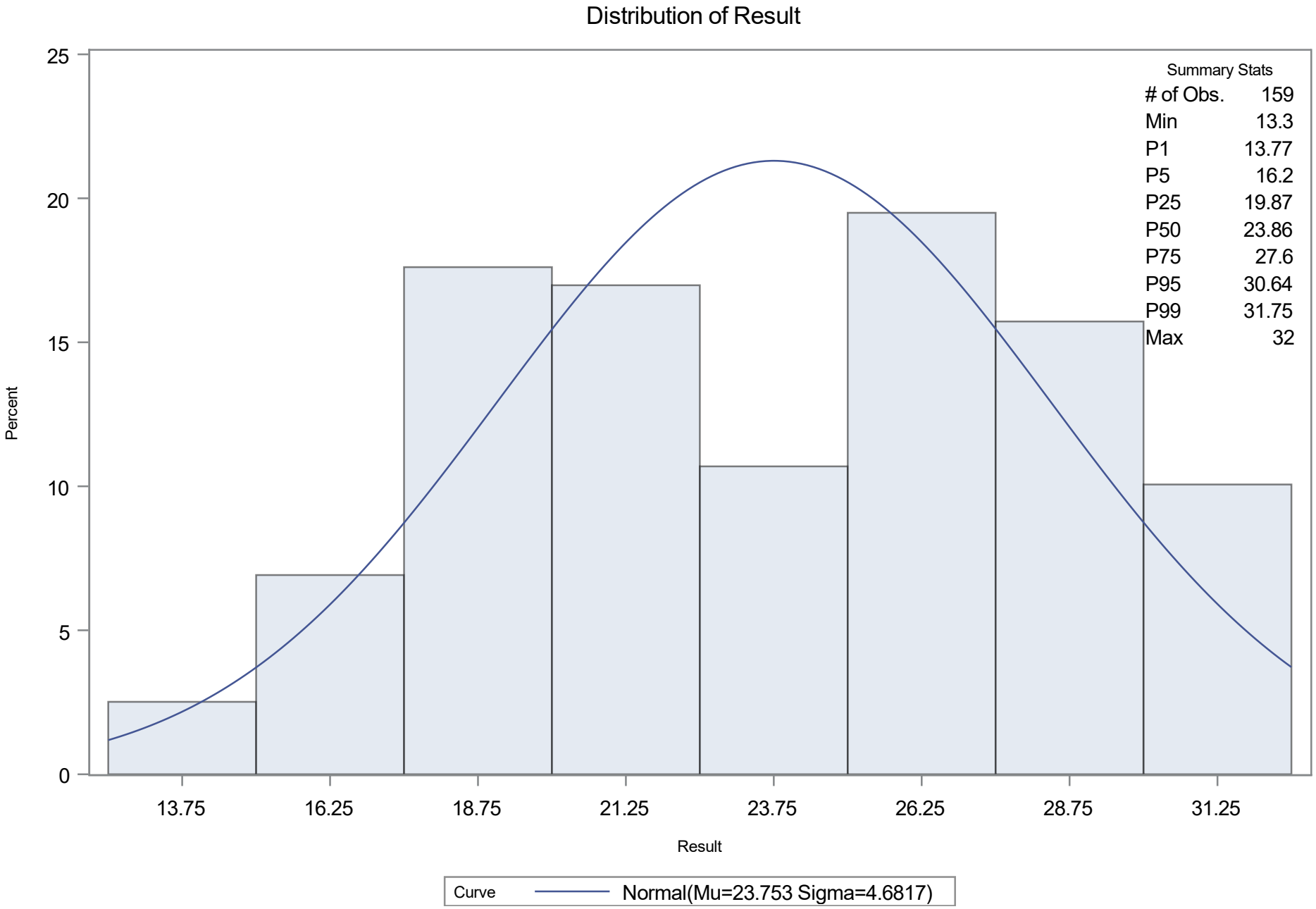

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 176
Result
30
25
20
15
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 2
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.75289
Std Dev	Sigma	4.68171

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08324548	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25002514	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.55359440	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.7700	12.8616
5.0	16.2000	16.0522
10.0	17.5000	17.7530
25.0	19.8700	20.5951
50.0	23.8600	23.7529
75.0	27.6000	26.9107
90.0	30.0700	29.7527
95.0	30.6400	31.4536
99.0	31.7500	34.6442

Period of Record: January 1996 through December 2023
Analysis Days Only

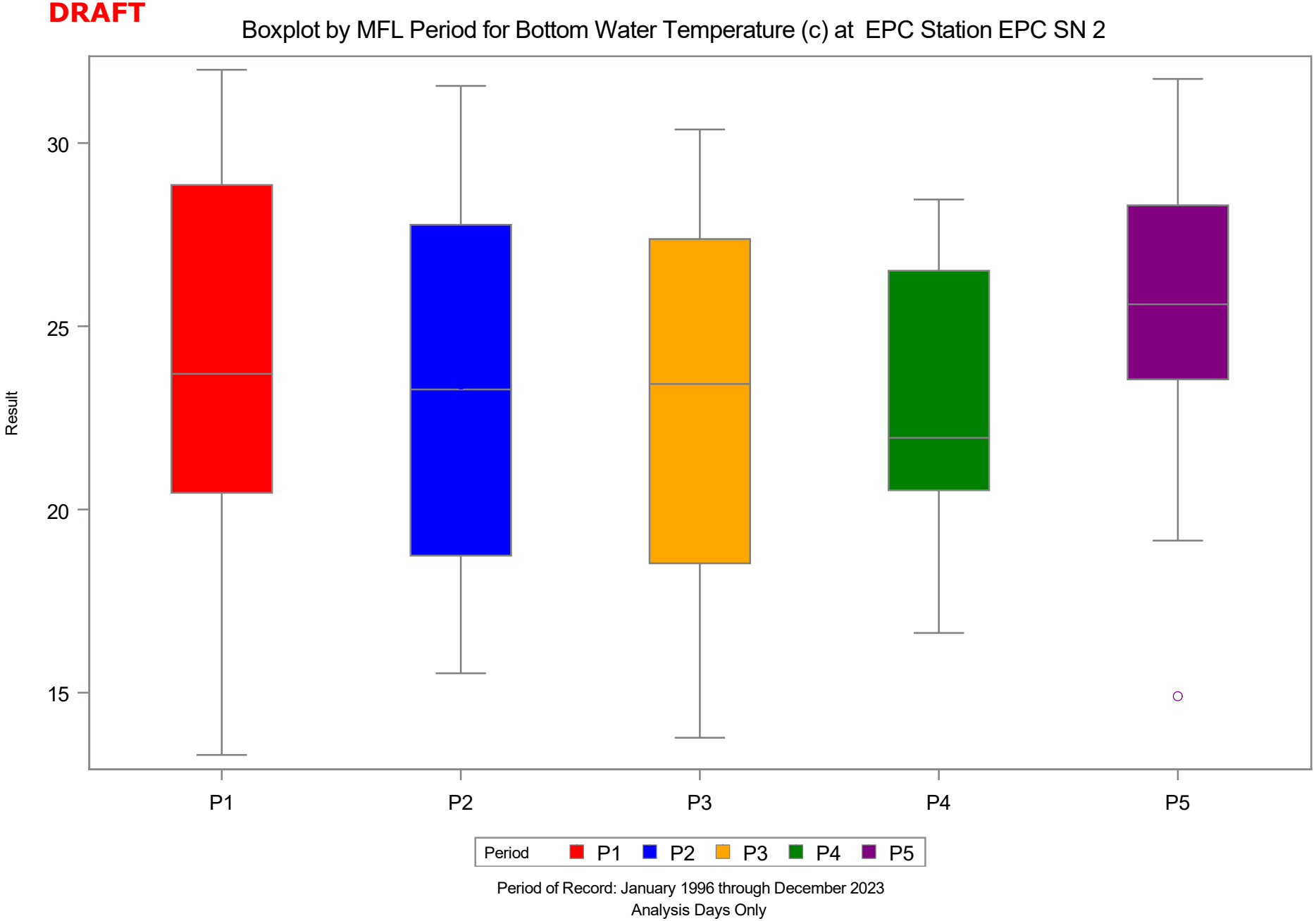
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 2

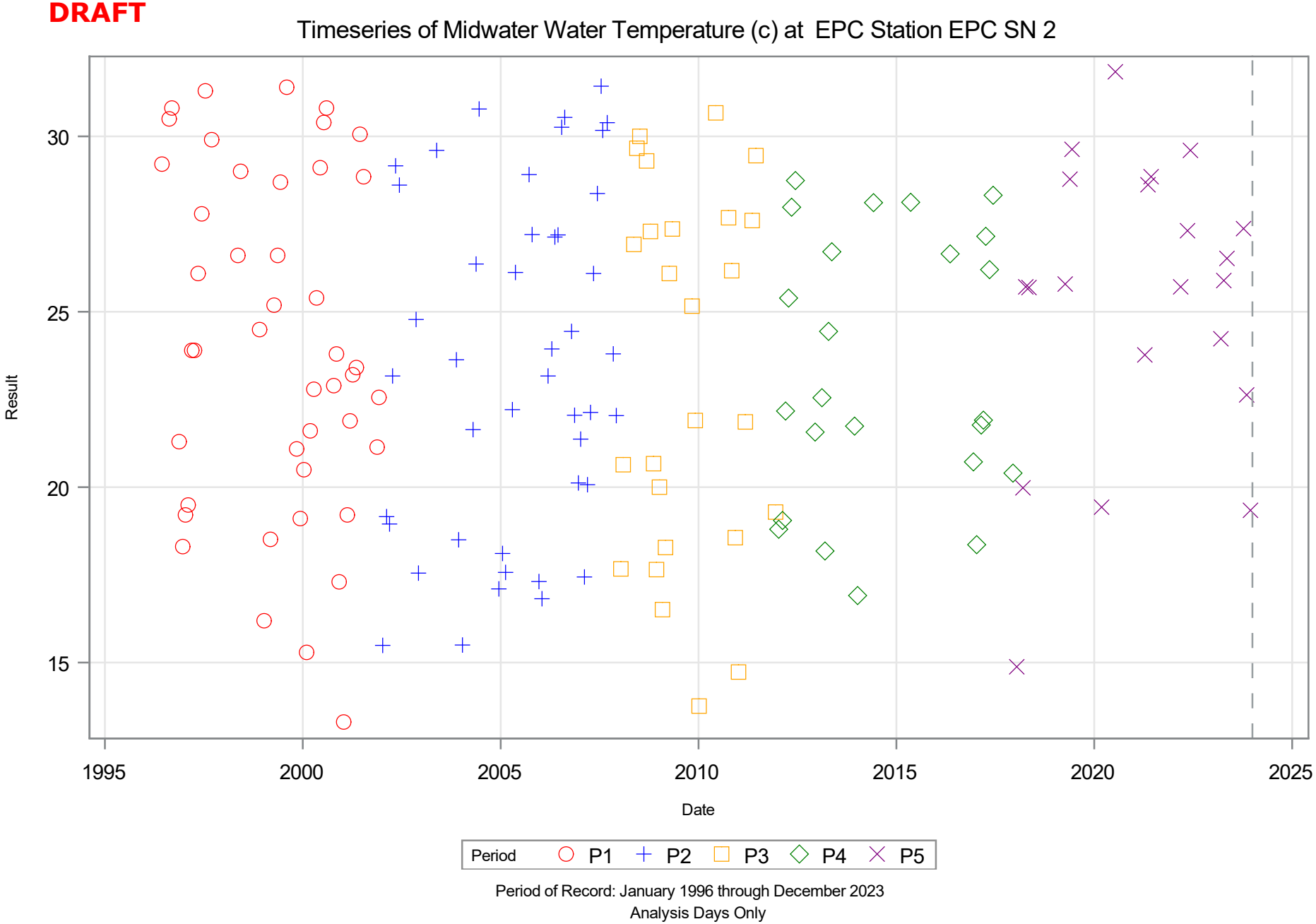
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	13.30	20.46	24.12	23.70	28.86	32.00
P2	44	15.53	18.74	23.46	23.28	27.77	31.56
P3	26	13.77	18.53	23.19	23.43	27.38	30.37
P4	24	16.63	20.53	23.03	21.96	26.52	28.46
P5	21	14.90	23.55	25.12	25.60	28.30	31.75

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

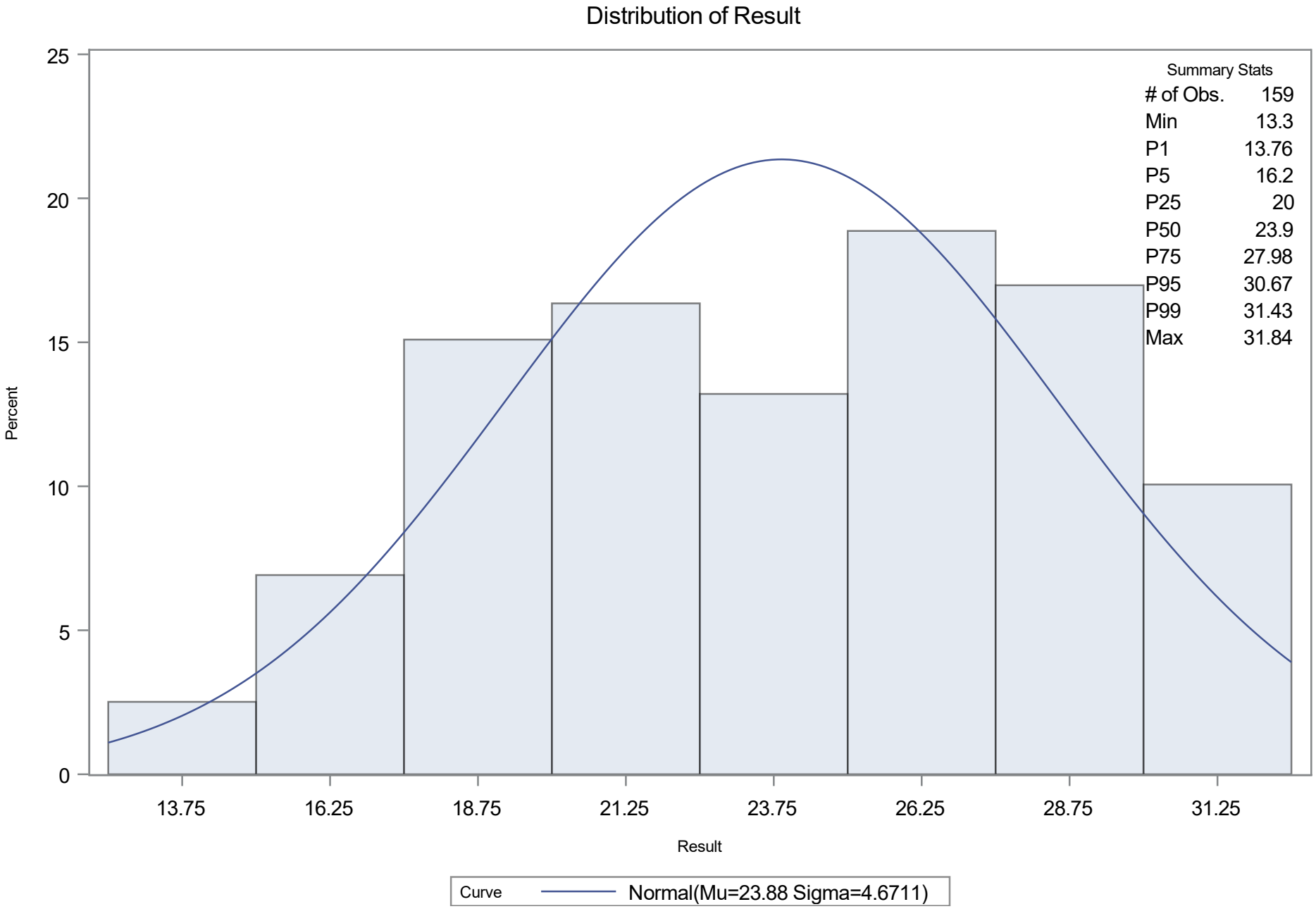

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 2
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 2
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.87962
Std Dev	Sigma	4.671053

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08479649	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26418061	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.68382609	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.7600	13.0131
5.0	16.2000	16.1964
10.0	17.5500	17.8934
25.0	20.0000	20.7290
50.0	23.9000	23.8796
75.0	27.9800	27.0302
90.0	30.0000	29.8658
95.0	30.6700	31.5628
99.0	31.4300	34.7461

Period of Record: January 1996 through December 2023
Analysis Days Only

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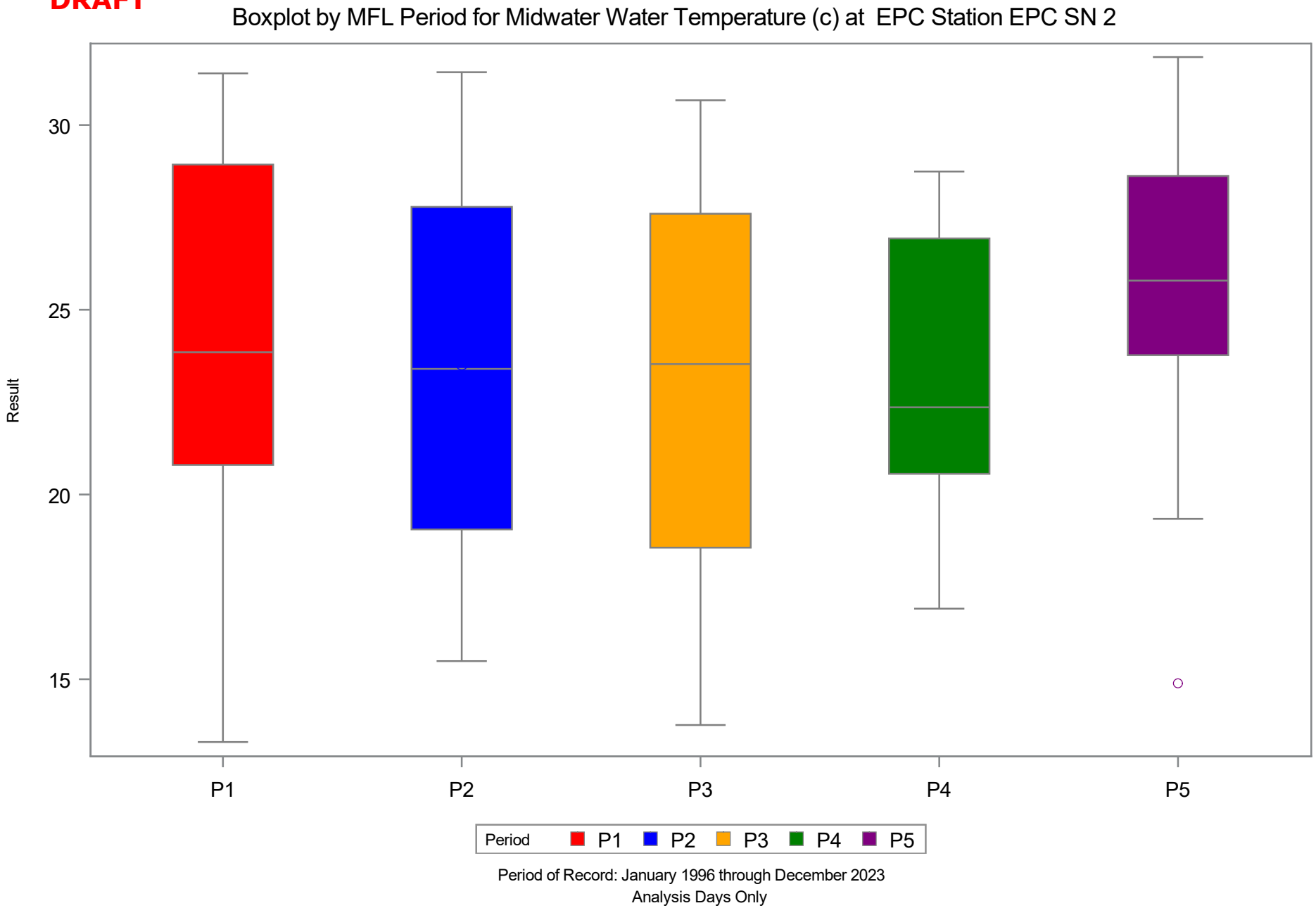
Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 2

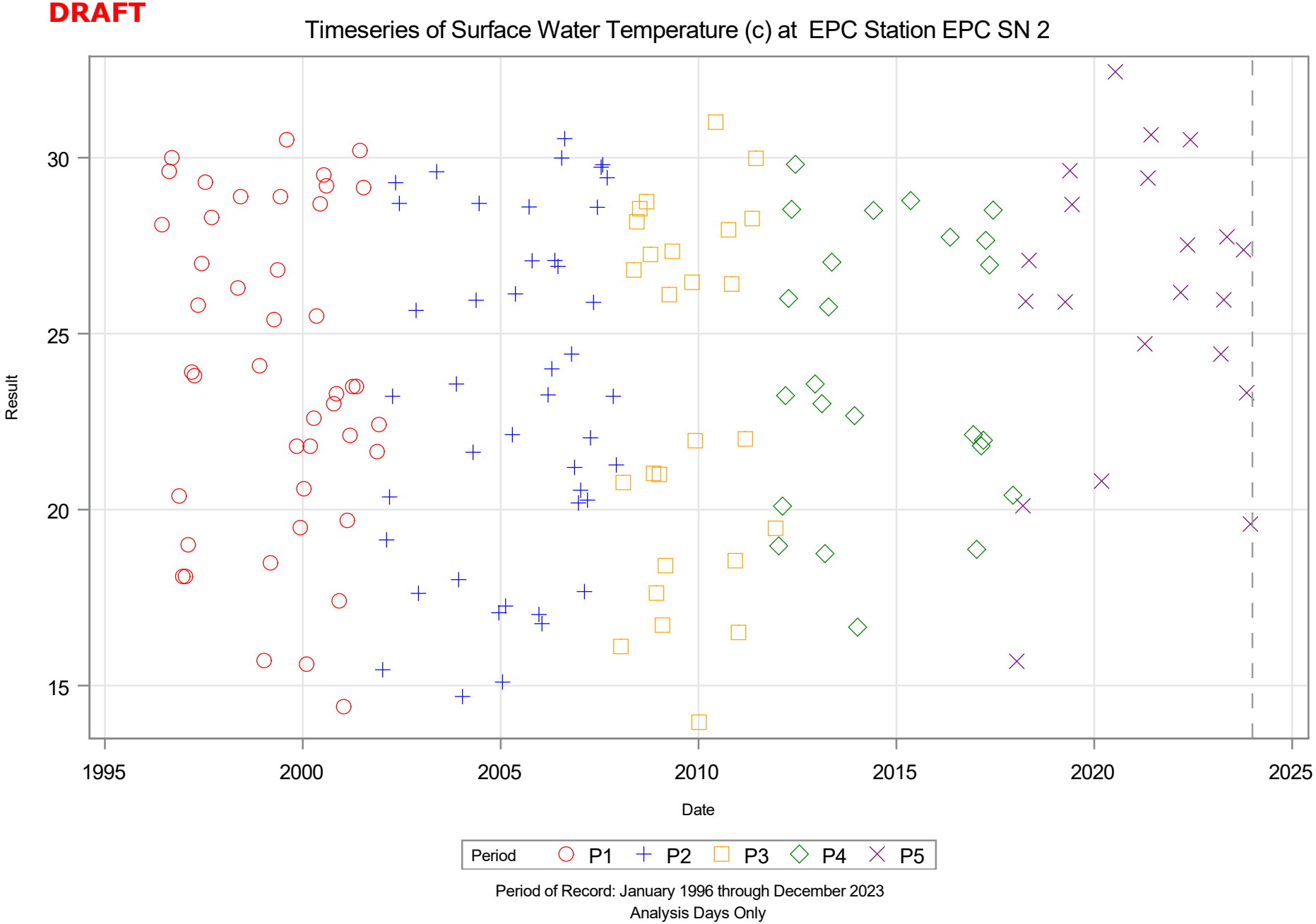
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	13.30	20.80	24.14	23.85	28.93	31.40
P2	44	15.49	19.06	23.55	23.40	27.79	31.43
P3	26	13.76	18.56	23.26	23.53	27.60	30.67
P4	24	16.91	20.56	23.41	22.36	26.93	28.74
P5	21	14.88	23.77	25.31	25.79	28.62	31.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

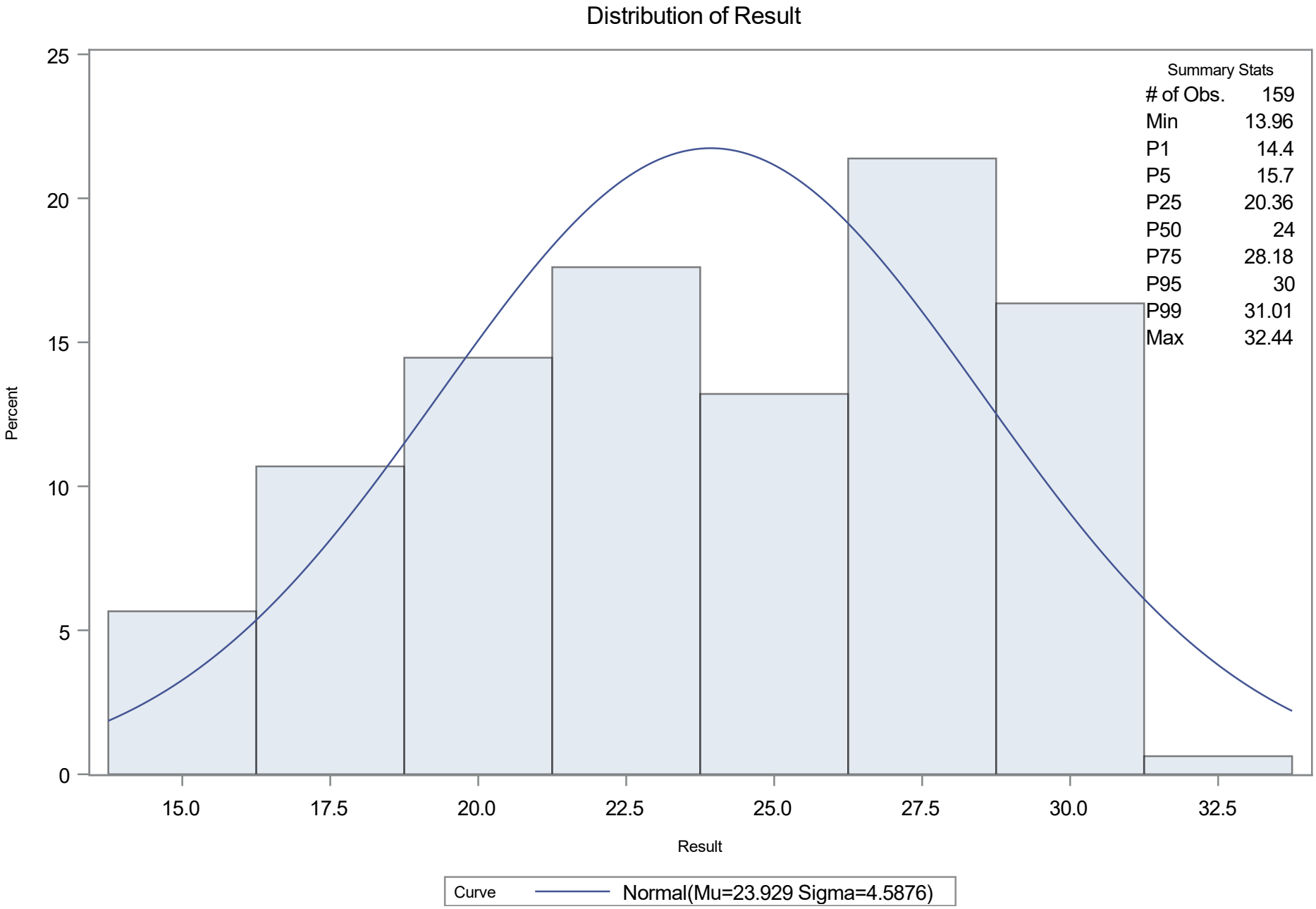

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 2
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 2
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.92874
Std Dev	Sigma	4.58756

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10794956	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.36164124	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.28719966	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.4000	13.2565
5.0	15.7000	16.3829
10.0	17.2600	18.0495
25.0	20.3600	20.8345
50.0	24.0000	23.9287
75.0	28.1800	27.0230
90.0	29.6000	29.8079
95.0	30.0000	31.4746
99.0	31.0100	34.6010

Period of Record: January 1996 through December 2023
Analysis Days Only

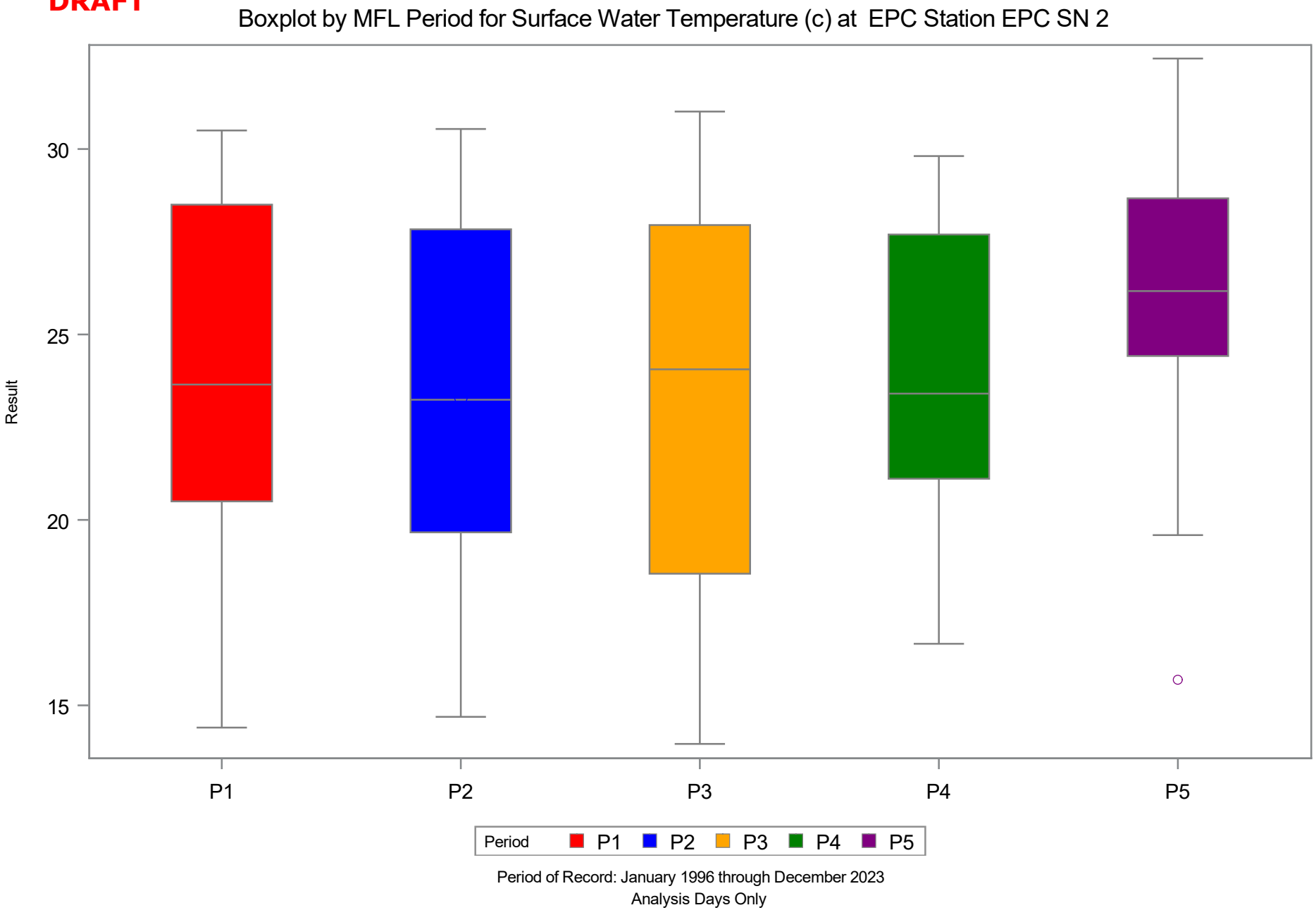
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 2

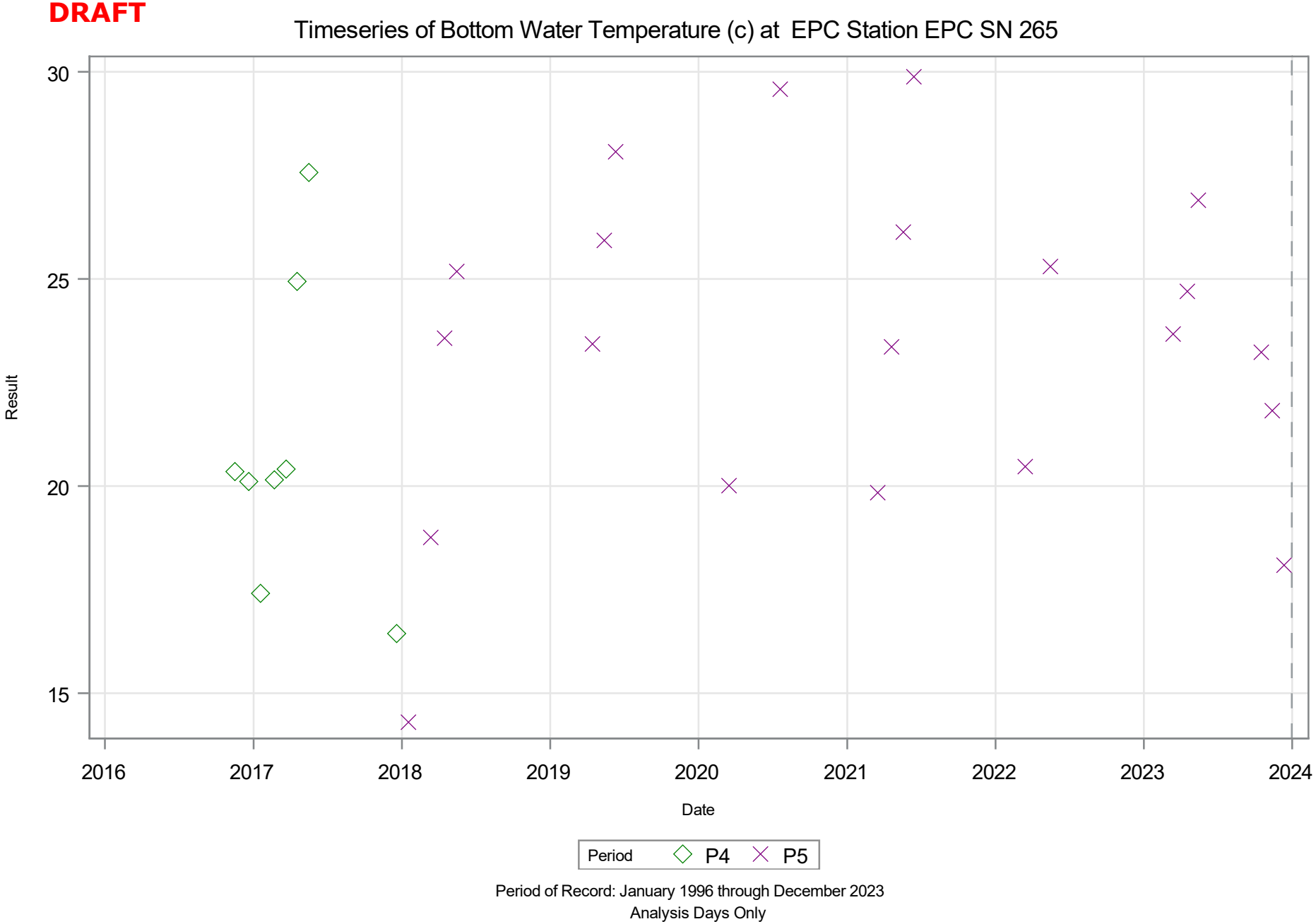
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	14.40	20.50	23.90	23.65	28.50	30.50
P2	44	14.69	19.67	23.29	23.24	27.84	30.54
P3	26	13.96	18.55	23.35	24.06	27.95	31.01
P4	24	16.66	21.11	24.06	23.41	27.70	29.81
P5	21	15.69	24.42	25.89	26.17	28.67	32.44

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 2
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

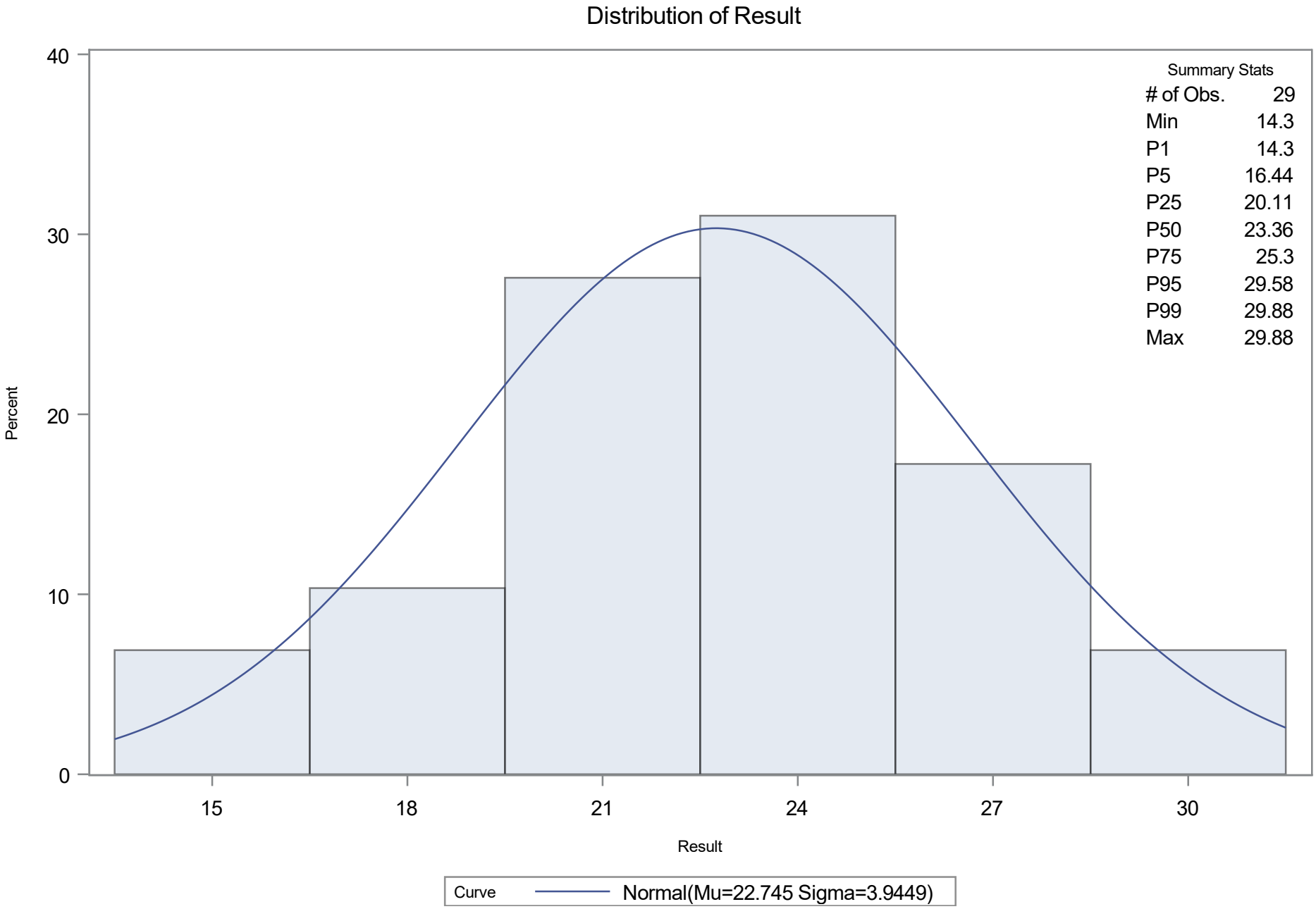
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.74483
Std Dev	Sigma	3.944901

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13170516	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04840591	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25381836	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.3000	13.5676
5.0	16.4400	16.2560
10.0	17.4100	17.6892
25.0	20.1100	20.0840
50.0	23.3600	22.7448
75.0	25.3000	25.4056
90.0	28.0700	27.8004
95.0	29.5800	29.2336
99.0	29.8800	31.9220

Period of Record: January 1996 through December 2023
Analysis Days Only

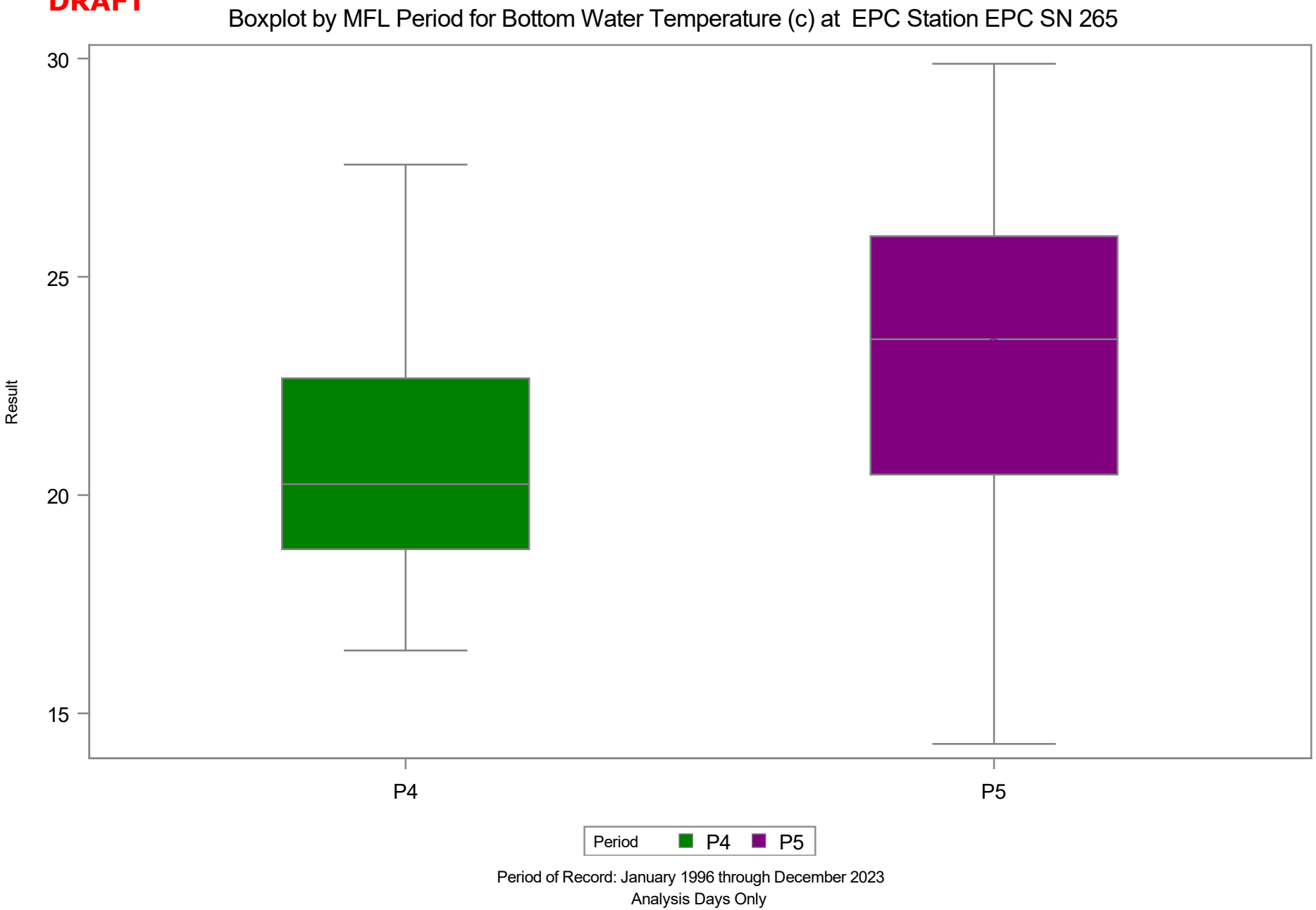
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 265

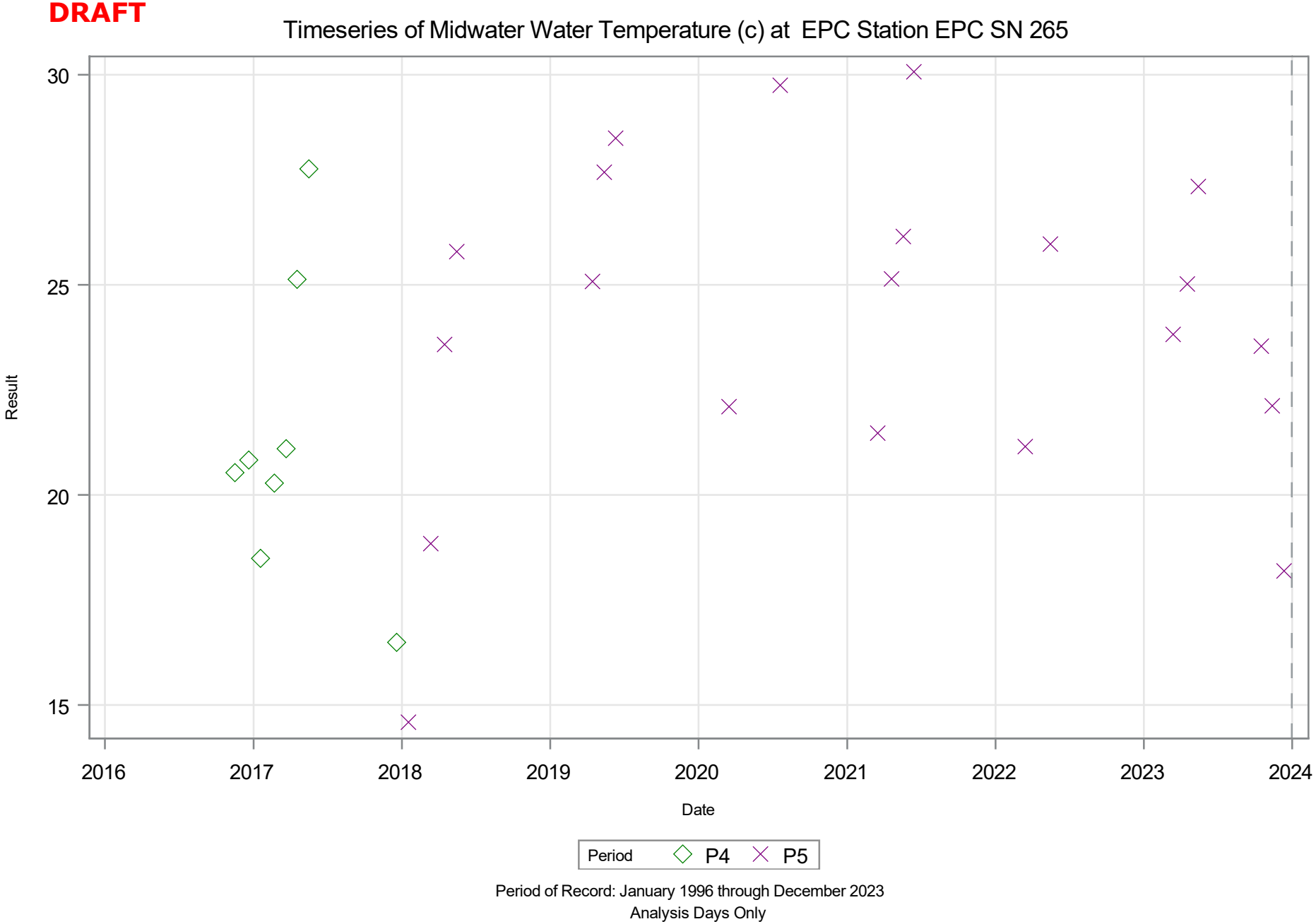
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	16.44	18.76	20.92	20.25	22.68	27.57
P5	21	14.30	20.47	23.44	23.57	25.93	29.88

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 265
Result
30
25
20
15
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

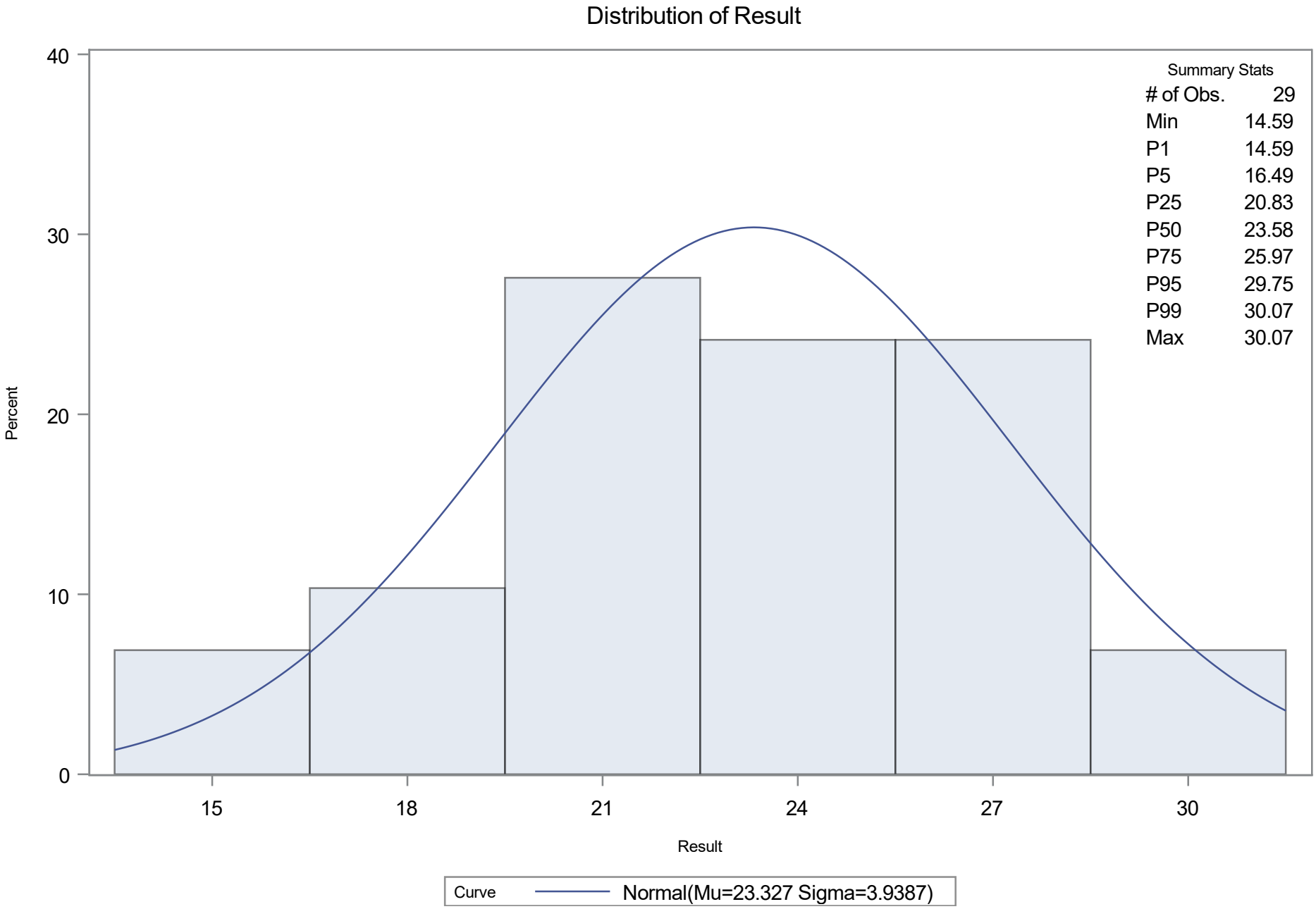
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.32724
Std Dev	Sigma	3.938749

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11459462	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03464299	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20472337	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.5900	14.1643
5.0	16.4900	16.8486
10.0	18.1900	18.2795
25.0	20.8300	20.6706
50.0	23.5800	23.3272
75.0	25.9700	25.9839
90.0	28.4900	28.3750
95.0	29.7500	29.8059
99.0	30.0700	32.4901

Period of Record: January 1996 through December 2023
Analysis Days Only

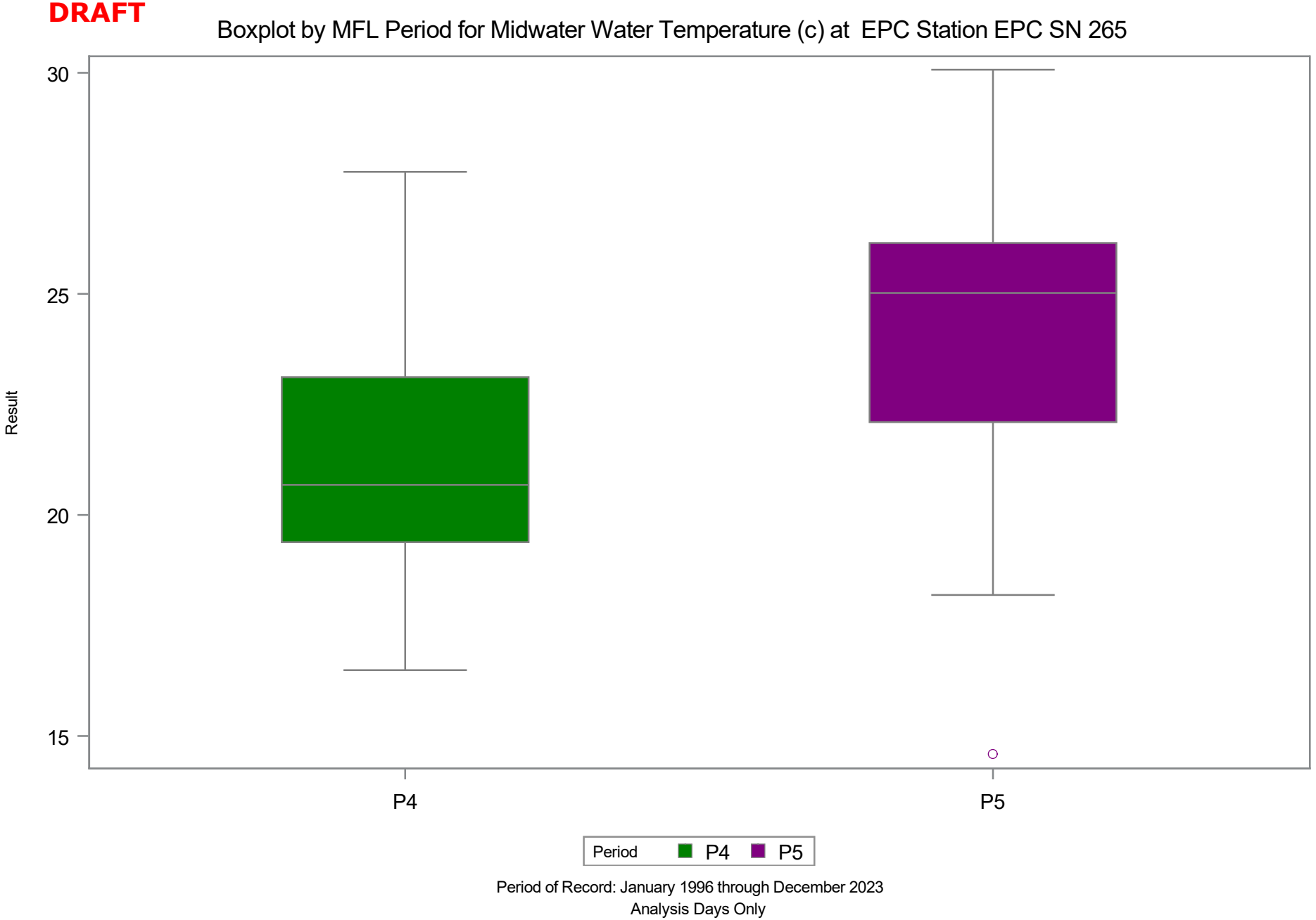
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 265

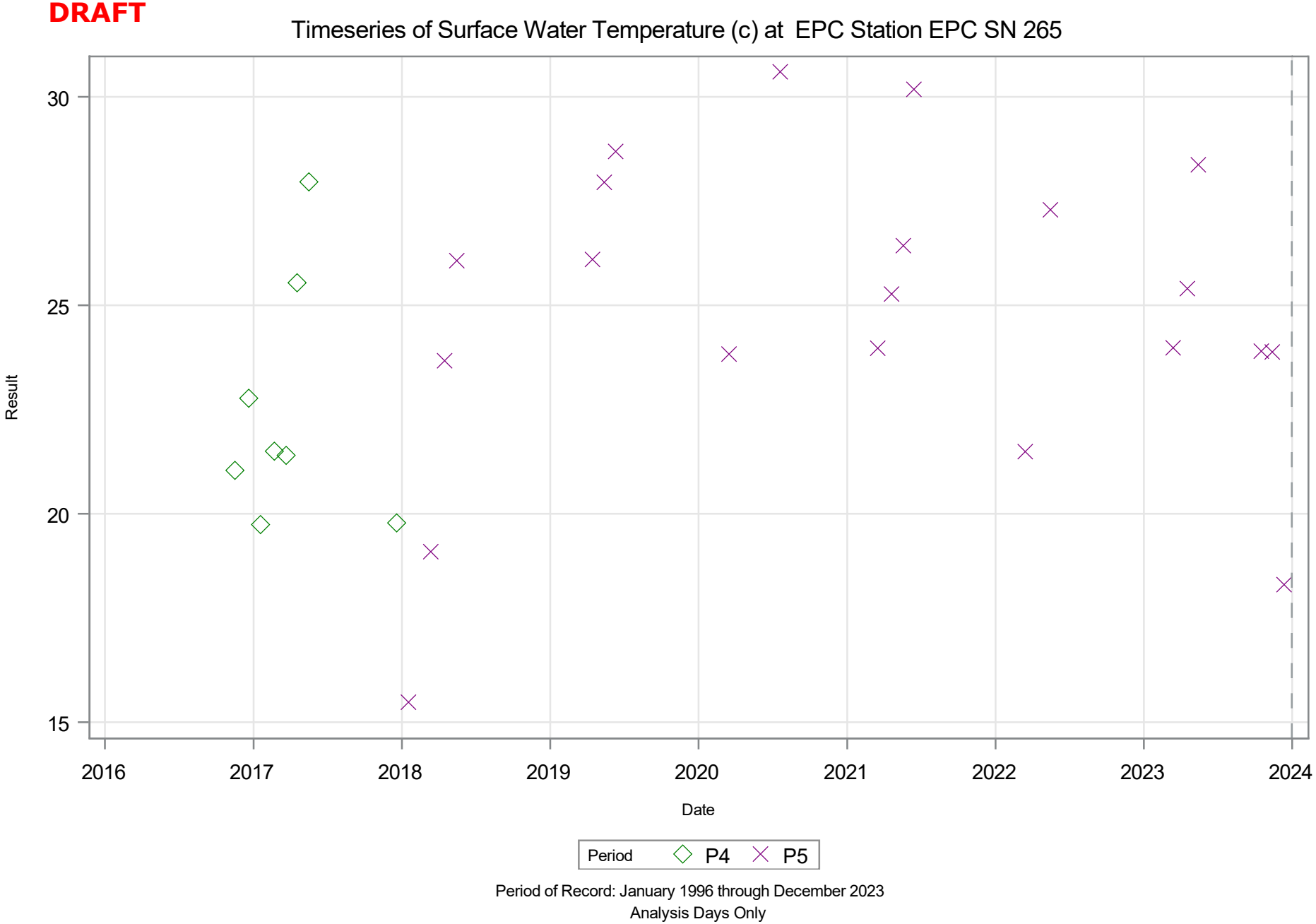
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	16.49	19.39	21.33	20.68	23.12	27.76
P5	21	14.59	22.10	24.09	25.02	26.15	30.07

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

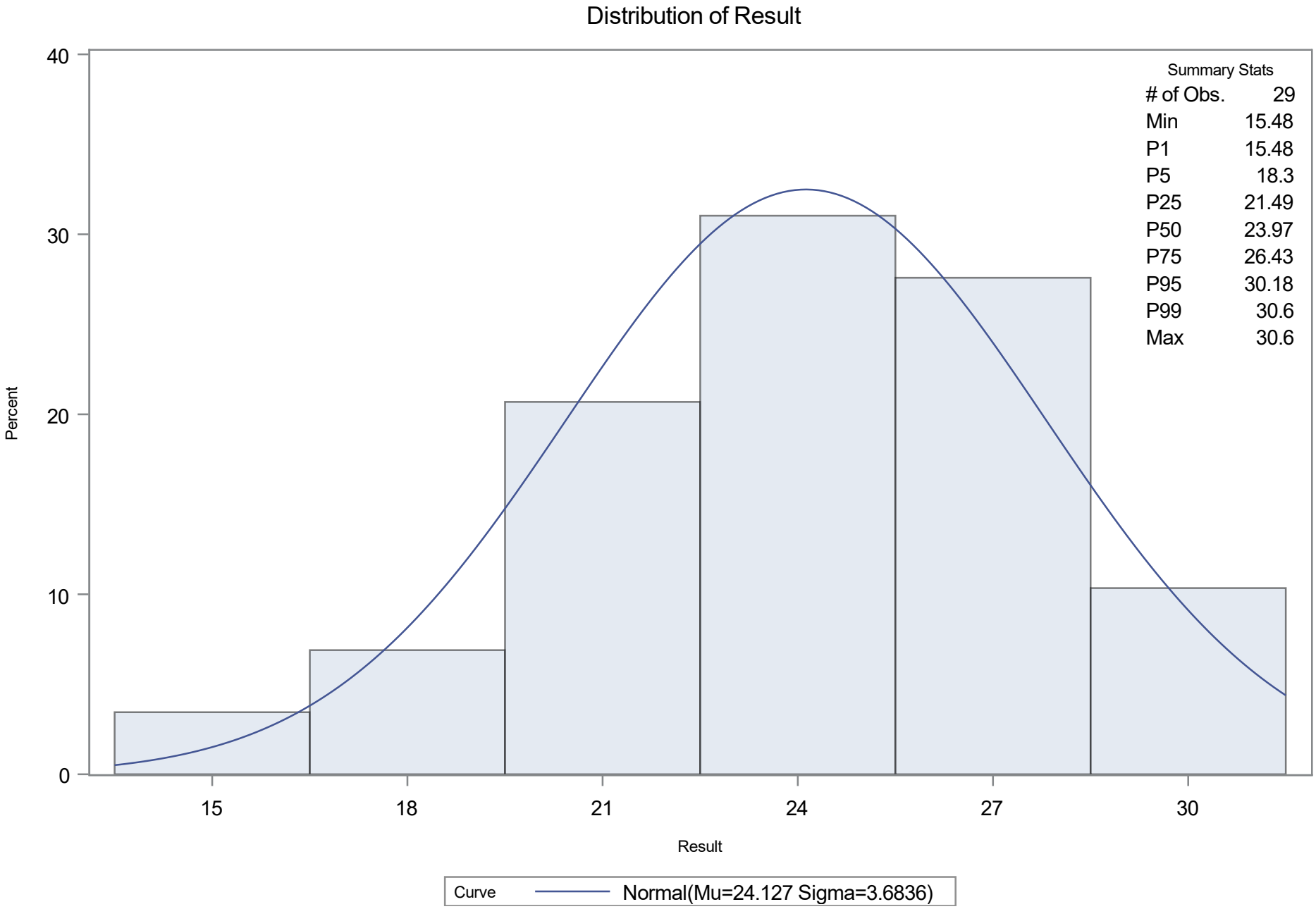

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 265
Result
30
25
20
15
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 265
Result
30
25
20
15
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.12655
Std Dev	Sigma	3.683584

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10585290	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03470774	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20454841	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.4800	15.5573
5.0	18.3000	18.0676
10.0	19.0900	19.4058
25.0	21.4900	21.6420
50.0	23.9700	24.1266
75.0	26.4300	26.6111
90.0	28.6900	28.8473
95.0	30.1800	30.1855
99.0	30.6000	32.6958

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 265

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	19.74	20.41	22.47	21.45	24.16	27.96
P5	21	15.48	23.83	24.76	25.27	27.29	30.60

Period of Record: January 1996 through December 2023
Analysis Days Only

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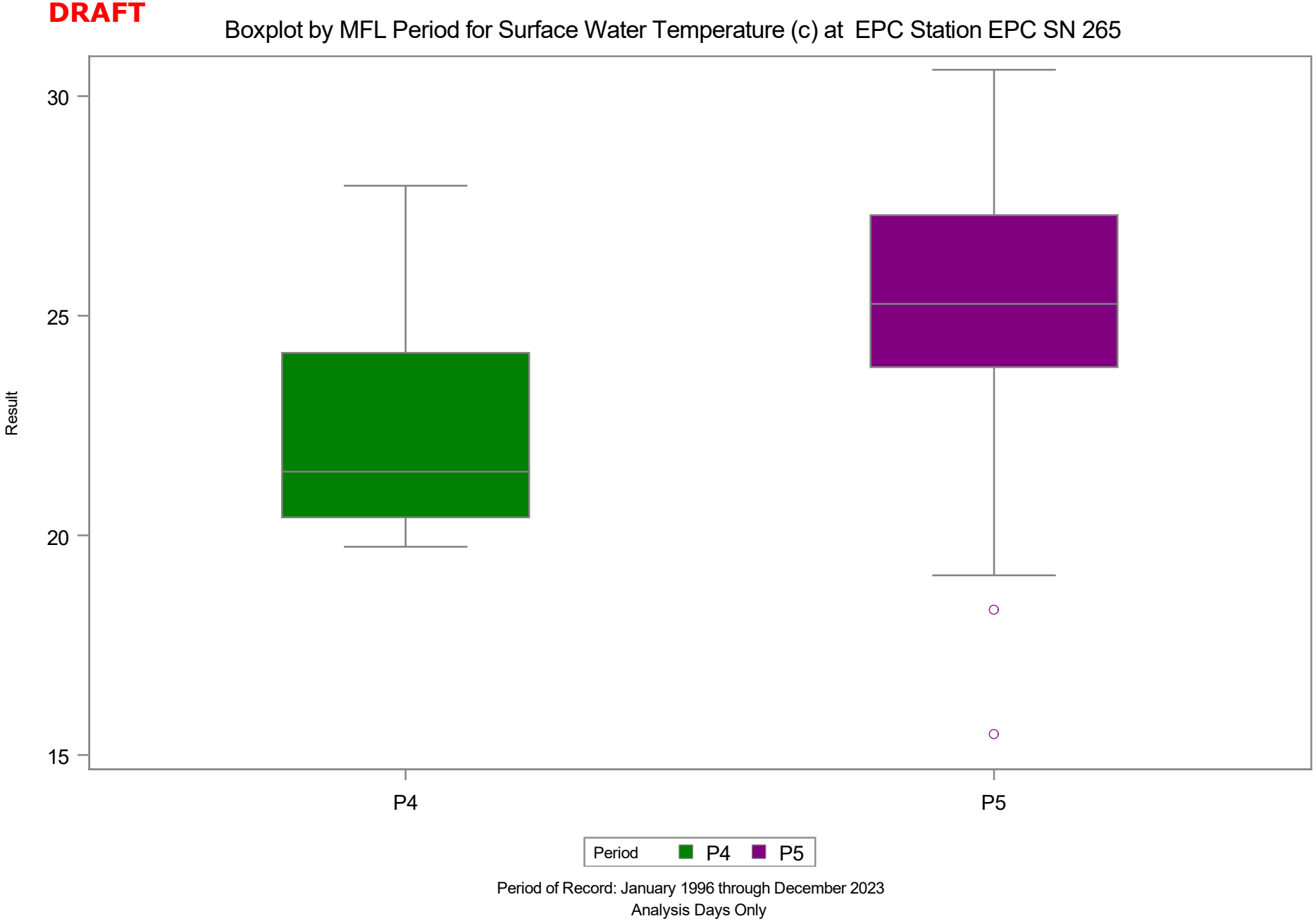
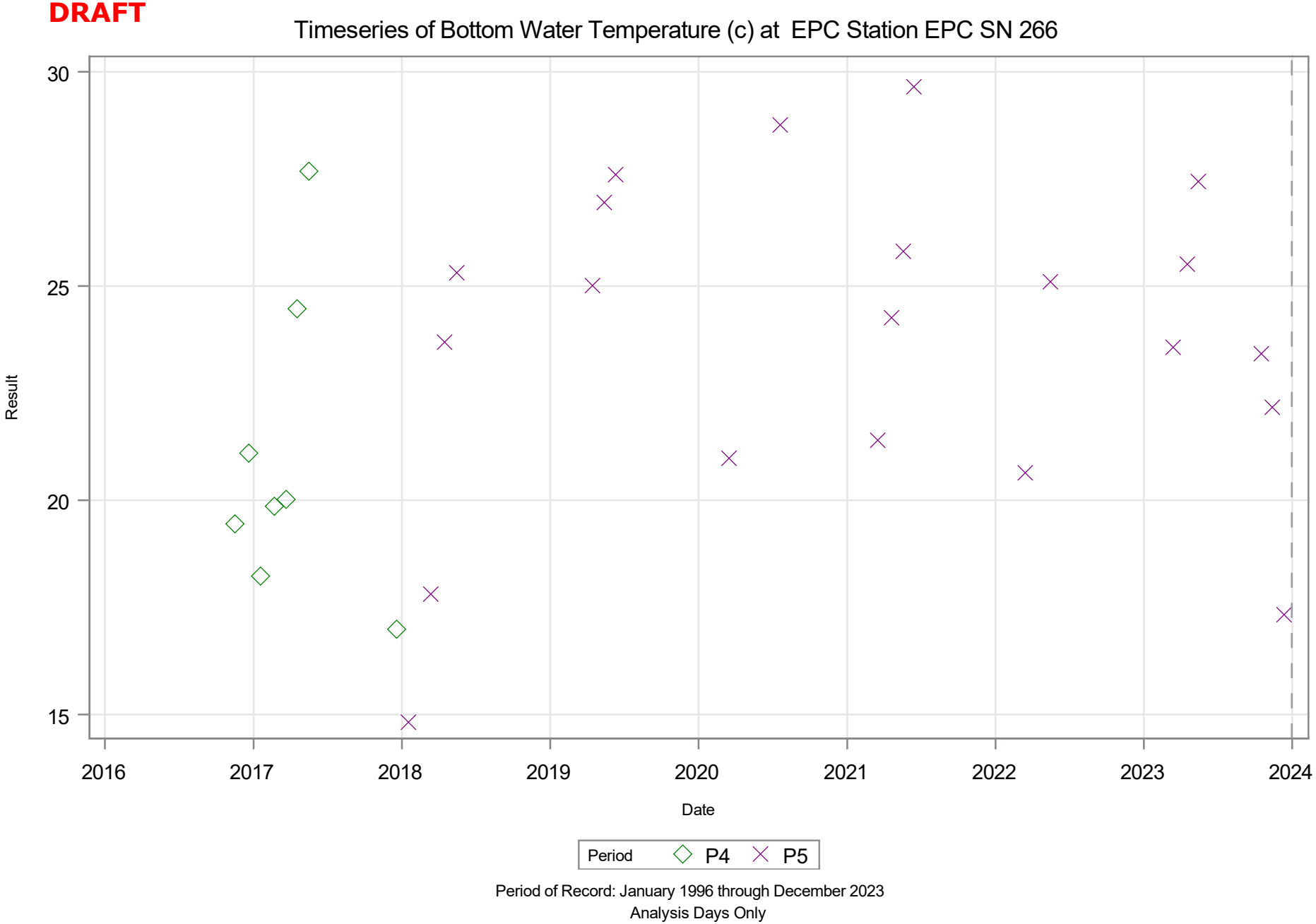

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 265
Result
30
25
20
15
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

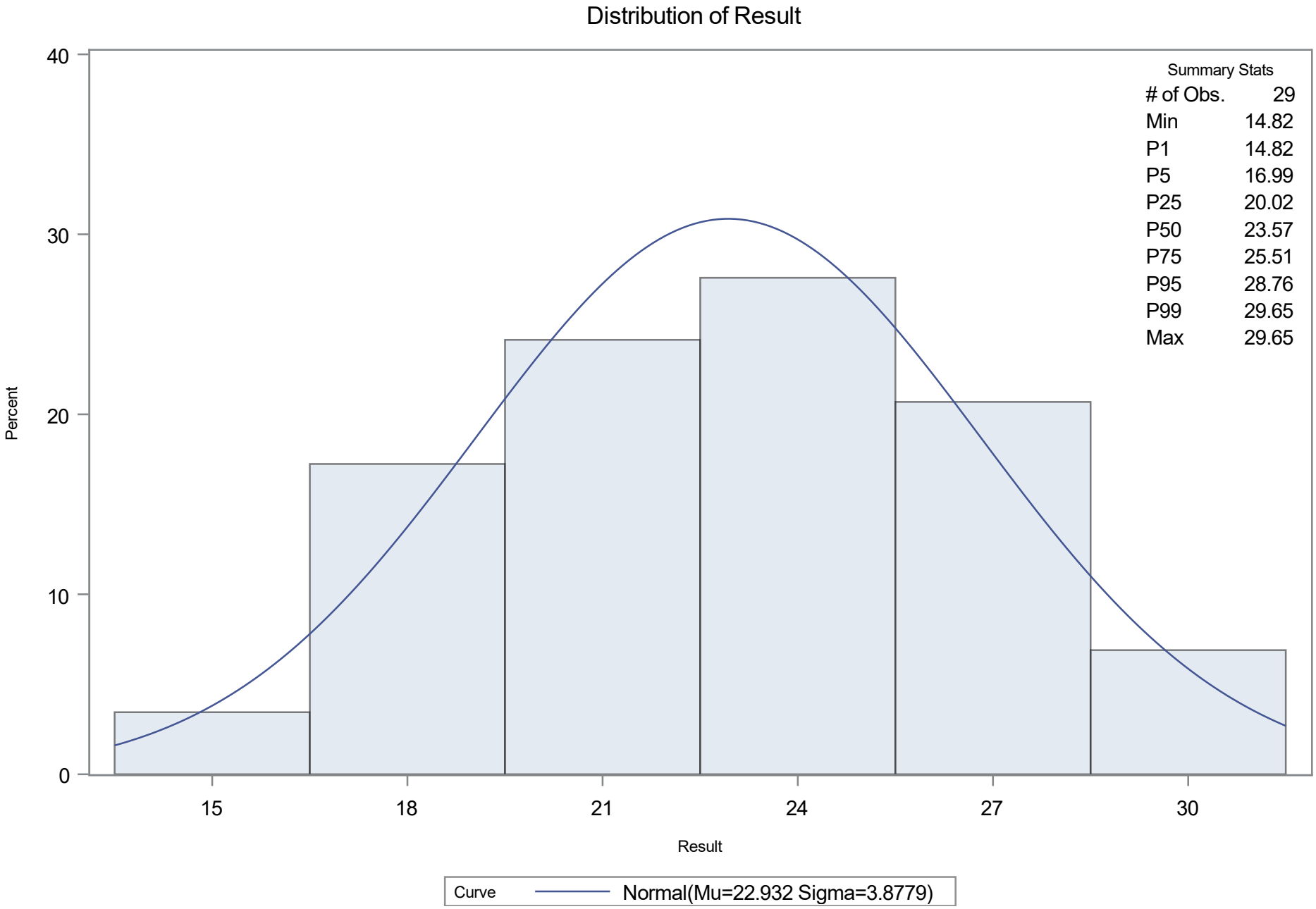
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.93207
Std Dev	Sigma	3.877936

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10178786	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04268469	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25405423	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.8200	13.9106
5.0	16.9900	16.5534
10.0	17.3300	17.9623
25.0	20.0200	20.3164
50.0	23.5700	22.9321
75.0	25.5100	25.5477
90.0	27.6800	27.9018
95.0	28.7600	29.3107
99.0	29.6500	31.9535

Period of Record: January 1996 through December 2023
Analysis Days Only

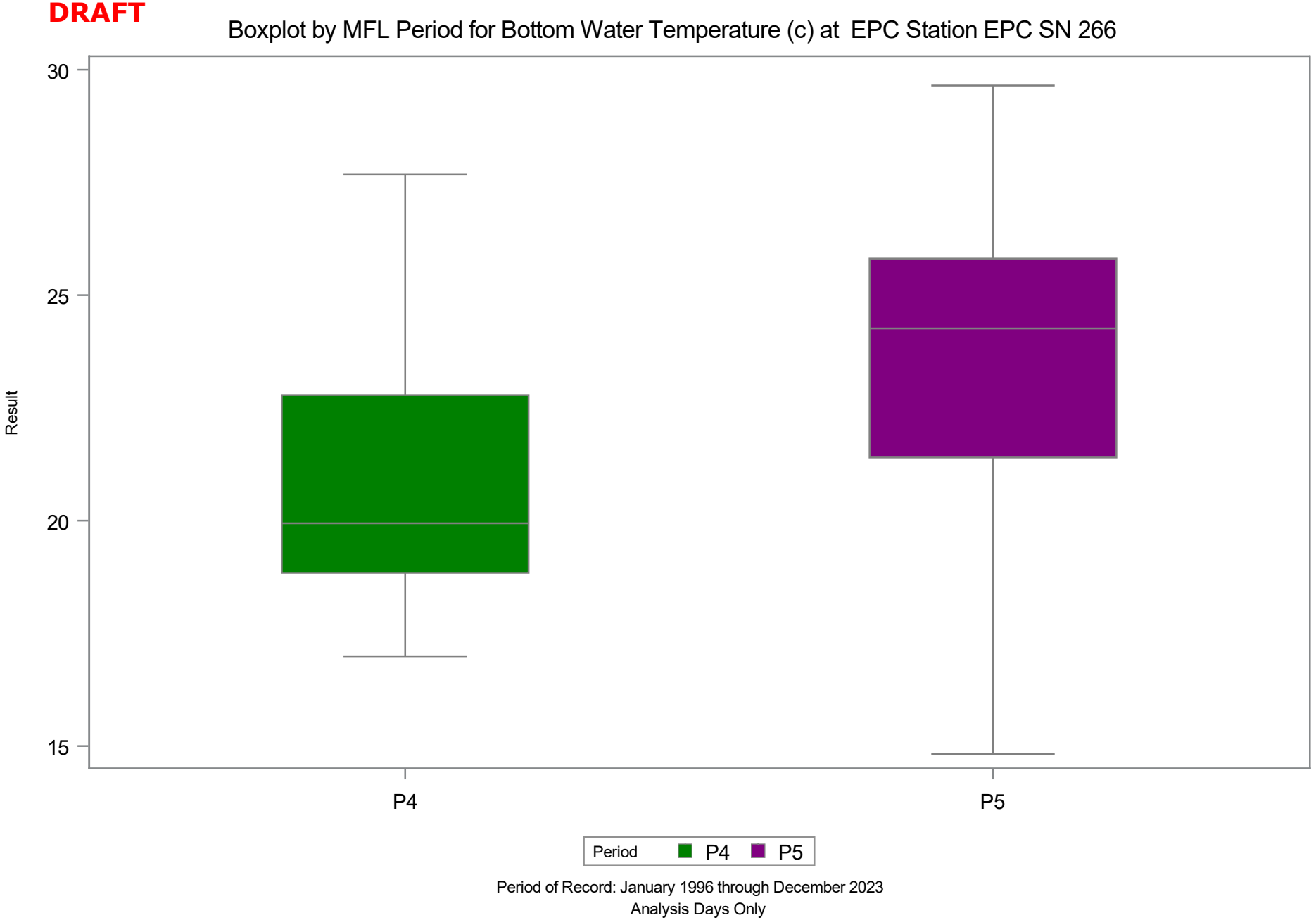
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 266

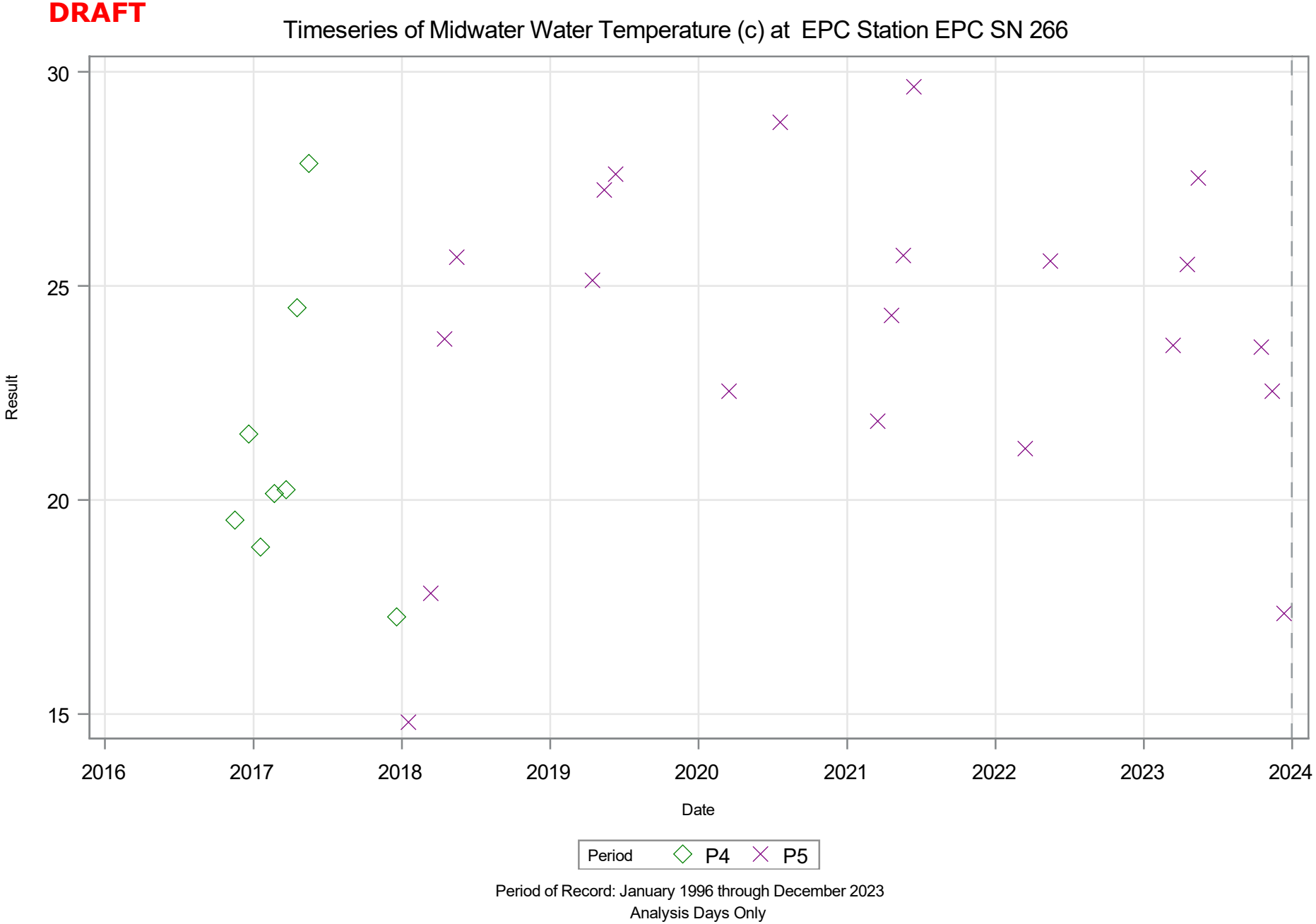
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	16.99	18.84	20.98	19.94	22.79	27.68
P5	21	14.82	21.40	23.68	24.26	25.81	29.65

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 266
Result
30
25
20
15
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

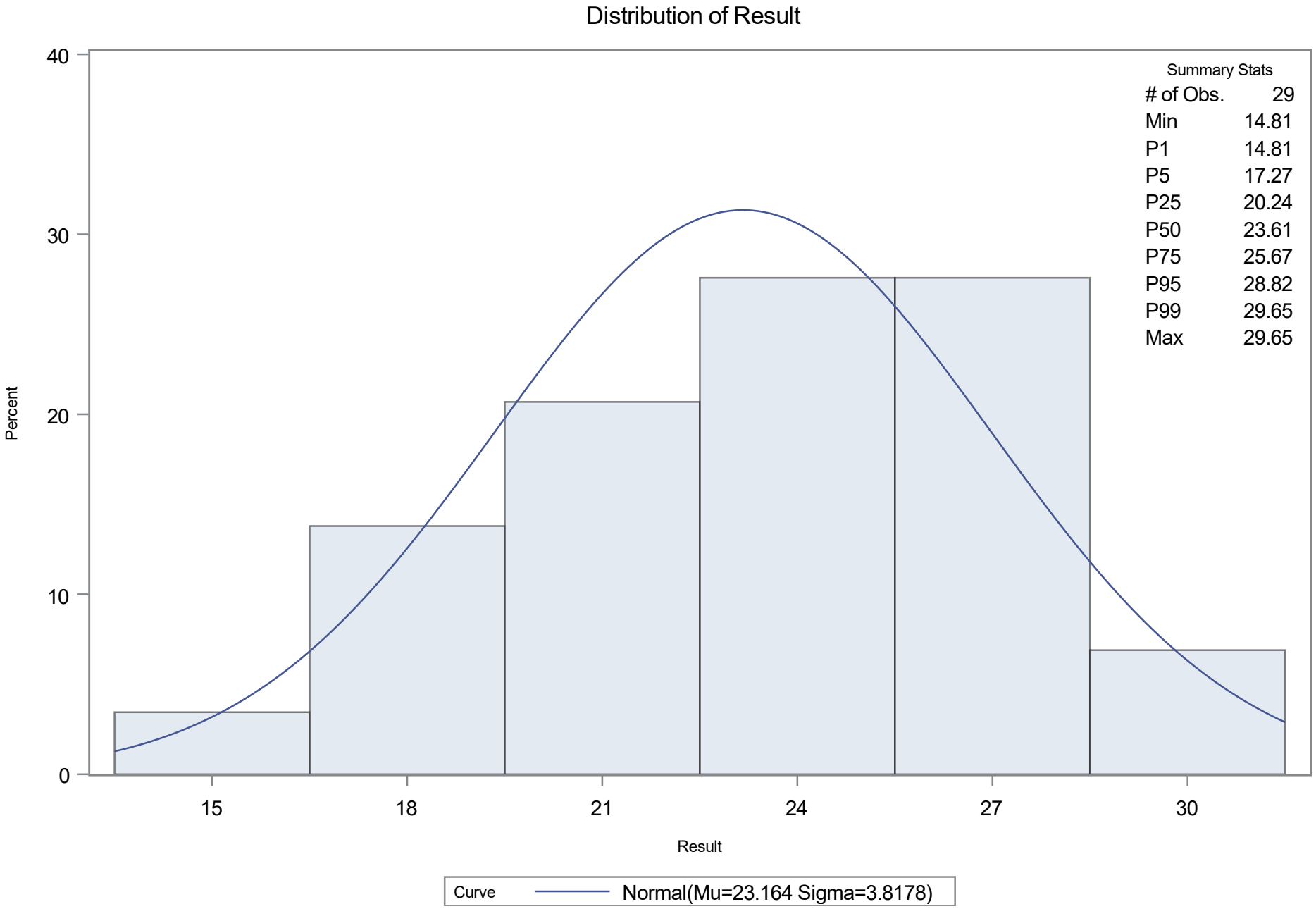
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.16414
Std Dev	Sigma	3.817795

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09405513	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03434523	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23082578	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.8100	14.2826
5.0	17.2700	16.8844
10.0	17.3500	18.2714
25.0	20.2400	20.5891
50.0	23.6100	23.1641
75.0	25.6700	25.7392
90.0	27.8600	28.0568
95.0	28.8200	29.4439
99.0	29.6500	32.0457

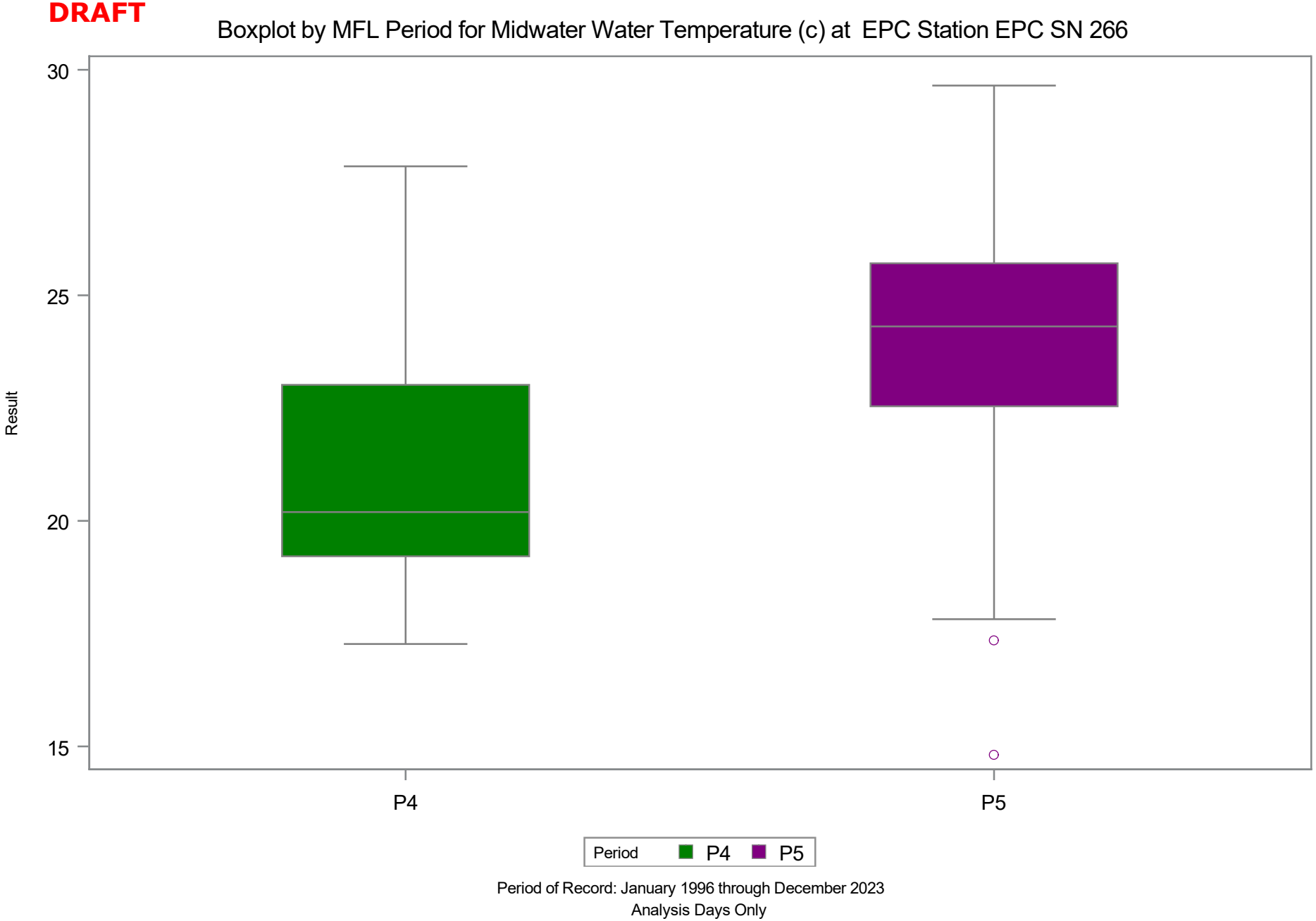
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 266**

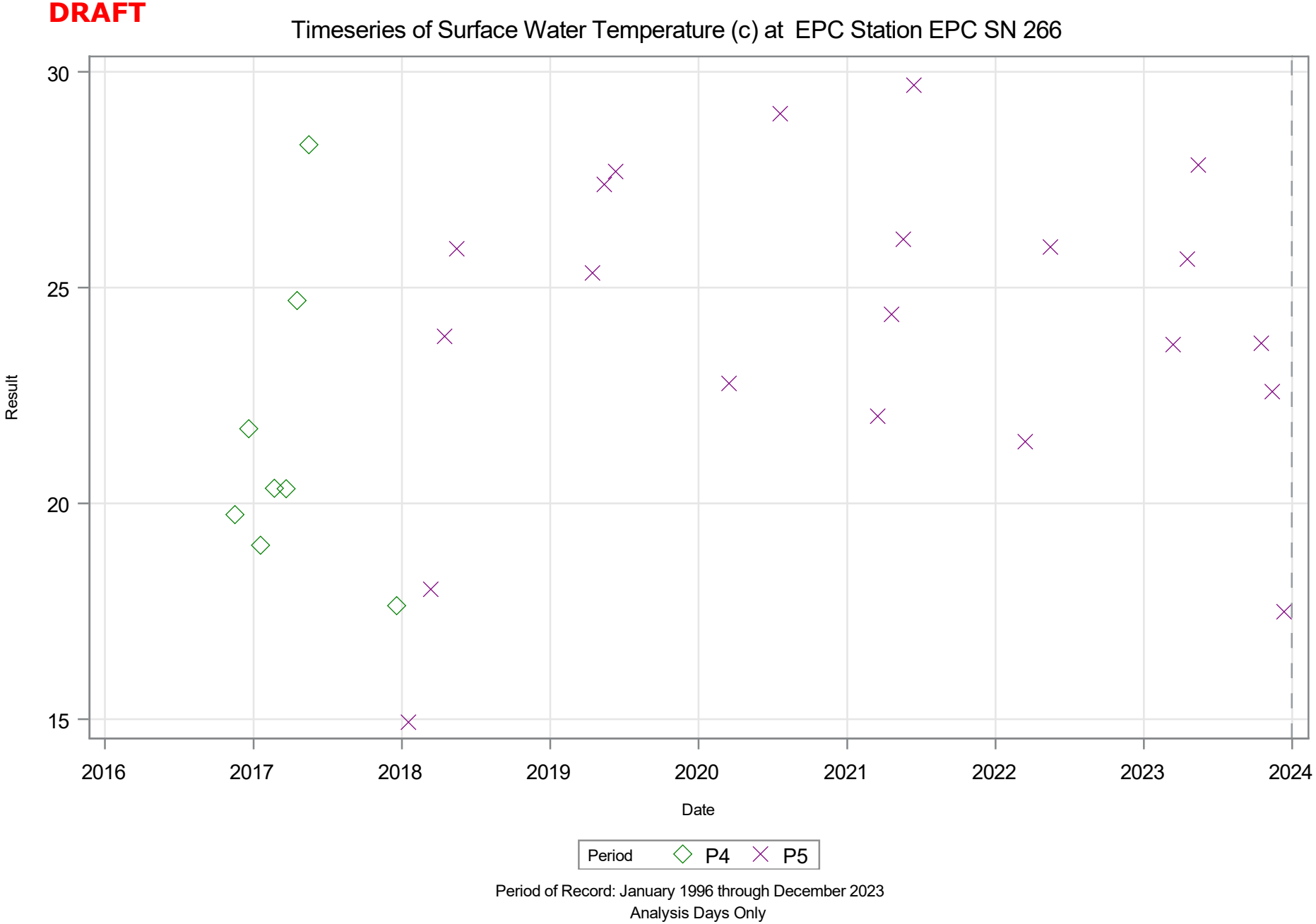
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	17.27	19.22	21.25	20.20	23.02	27.86
P5	21	14.81	22.54	23.89	24.31	25.71	29.65

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

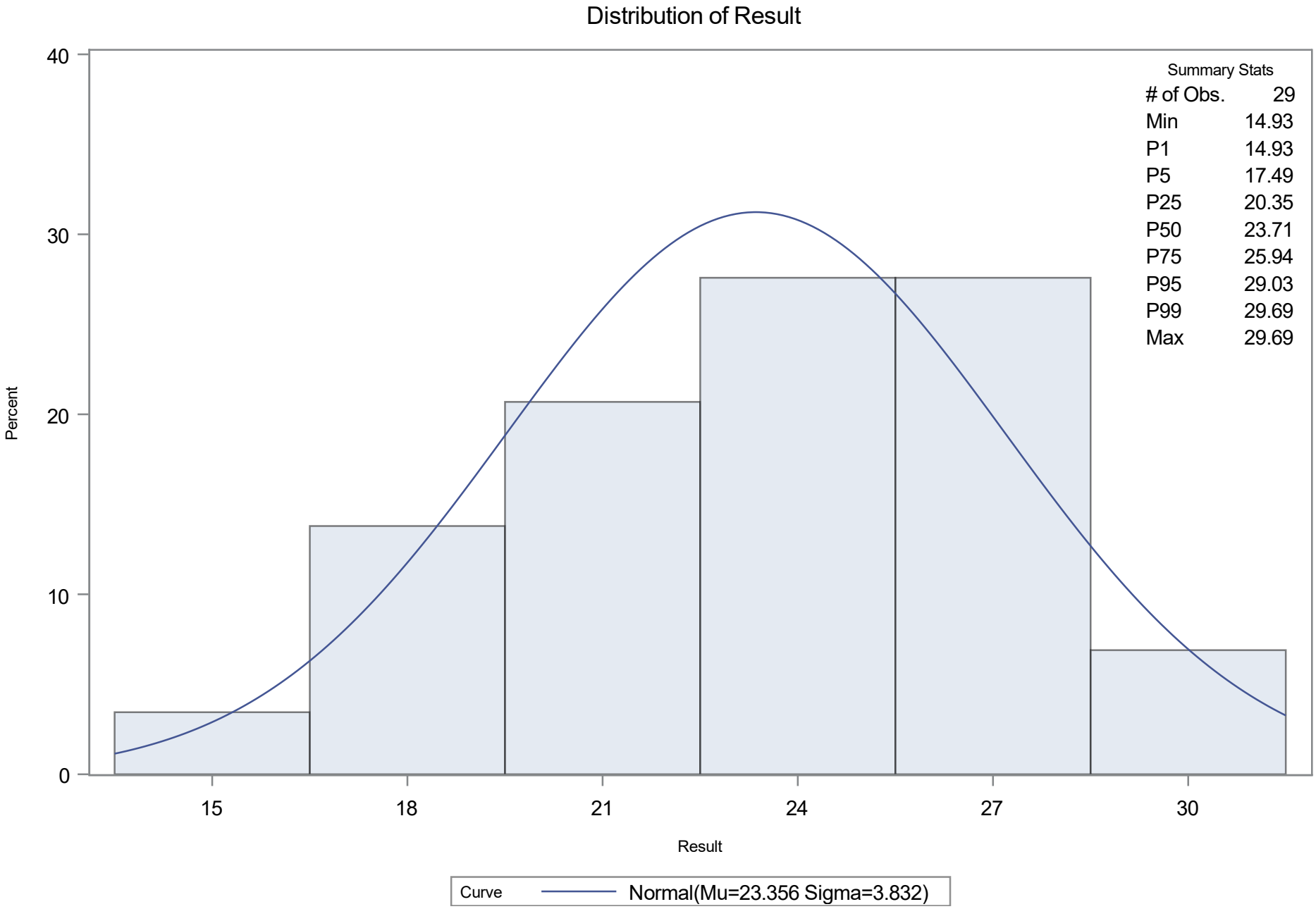

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 266
Result
30
25
20
15
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 266
30
25
20
15
Result
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.35586
Std Dev	Sigma	3.831983

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08542947	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02974934	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21166667	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.9300	14.4413
5.0	17.4900	17.0528
10.0	17.6300	18.4450
25.0	20.3500	20.7712
50.0	23.7100	23.3559
75.0	25.9400	25.9405
90.0	28.3100	28.2667
95.0	29.0300	29.6589
99.0	29.6900	32.2704

Period of Record: January 1996 through December 2023
Analysis Days Only

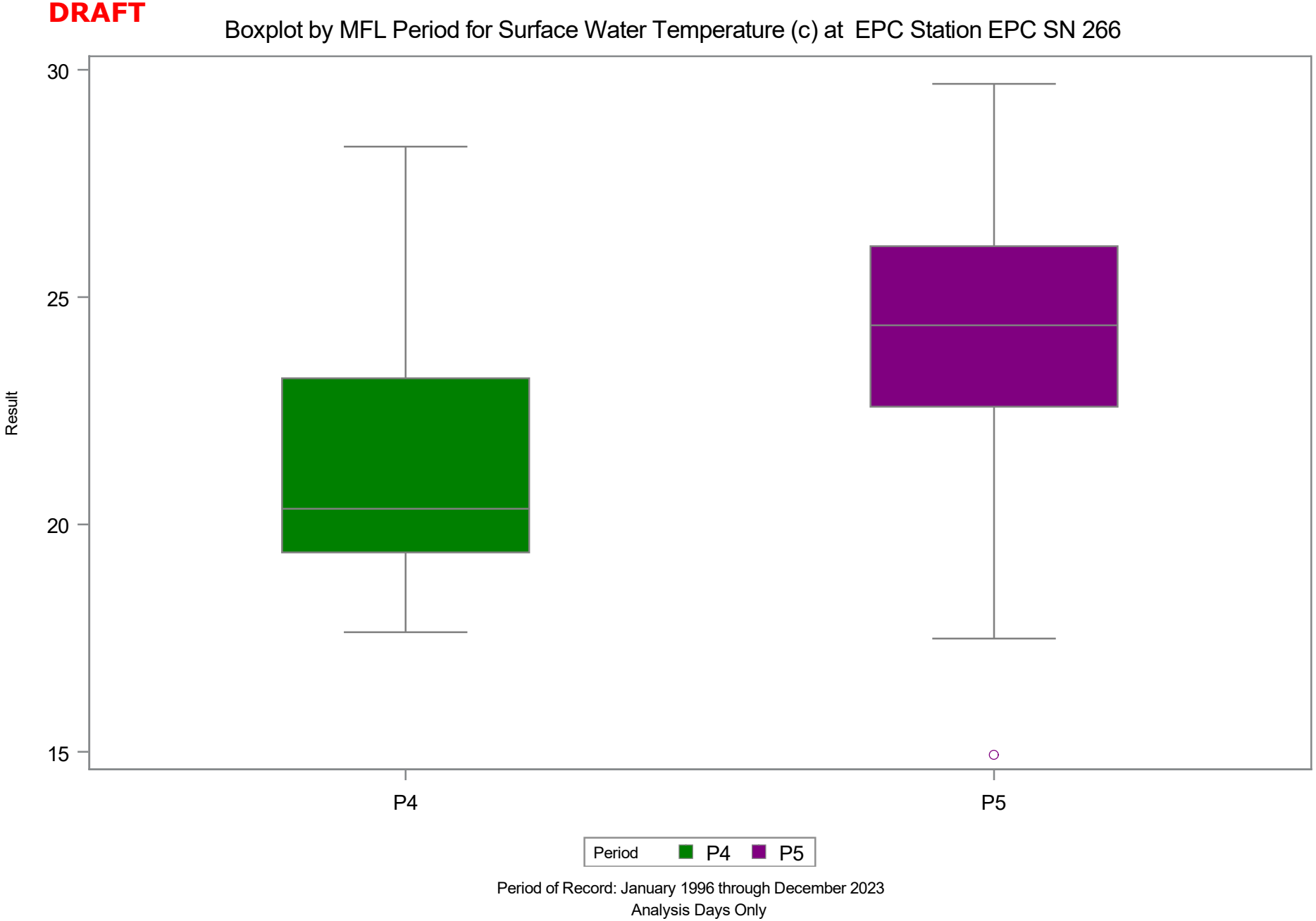
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 266

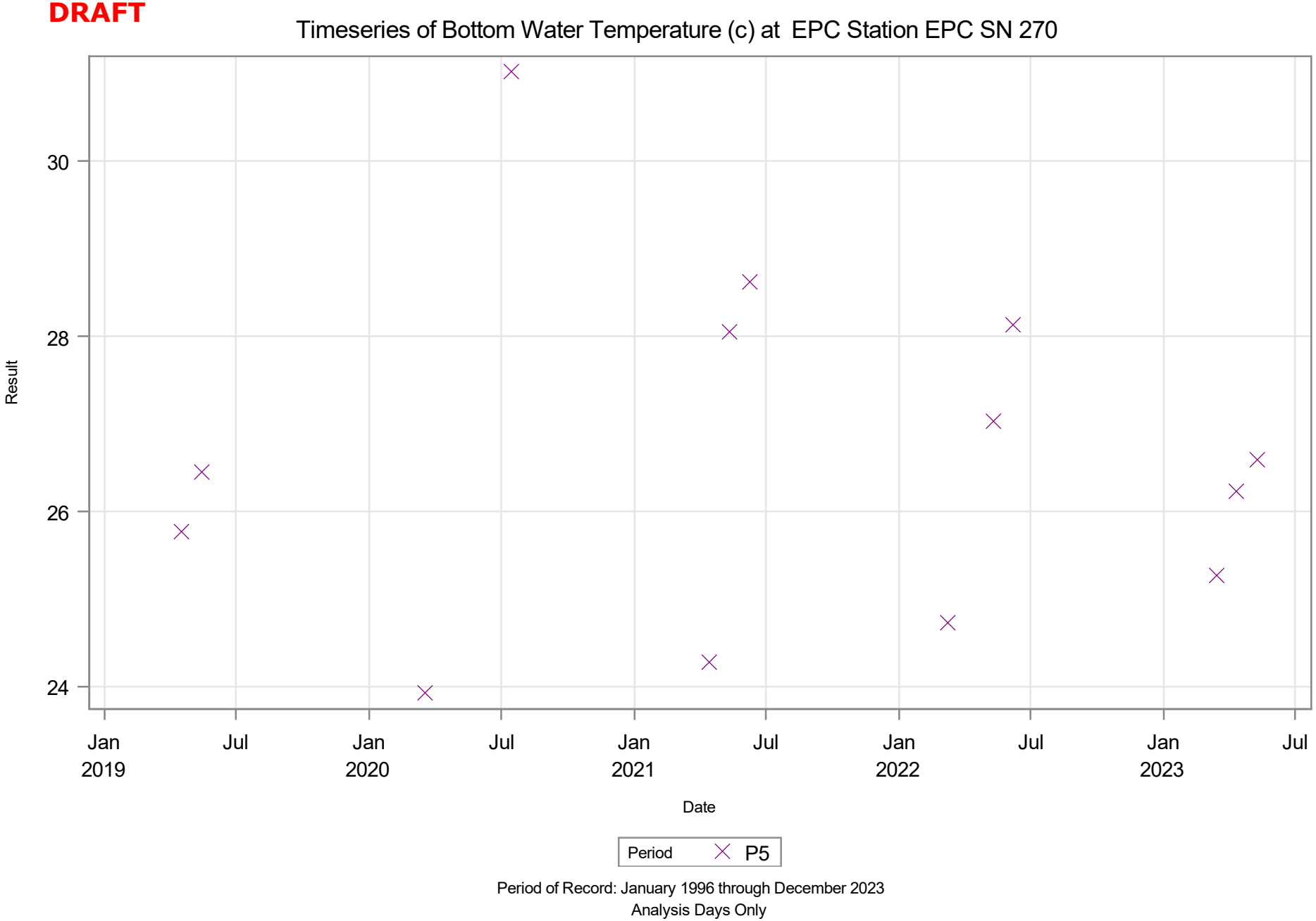
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	17.63	19.39	21.48	20.35	23.22	28.31
P5	21	14.93	22.59	24.07	24.38	26.12	29.69

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

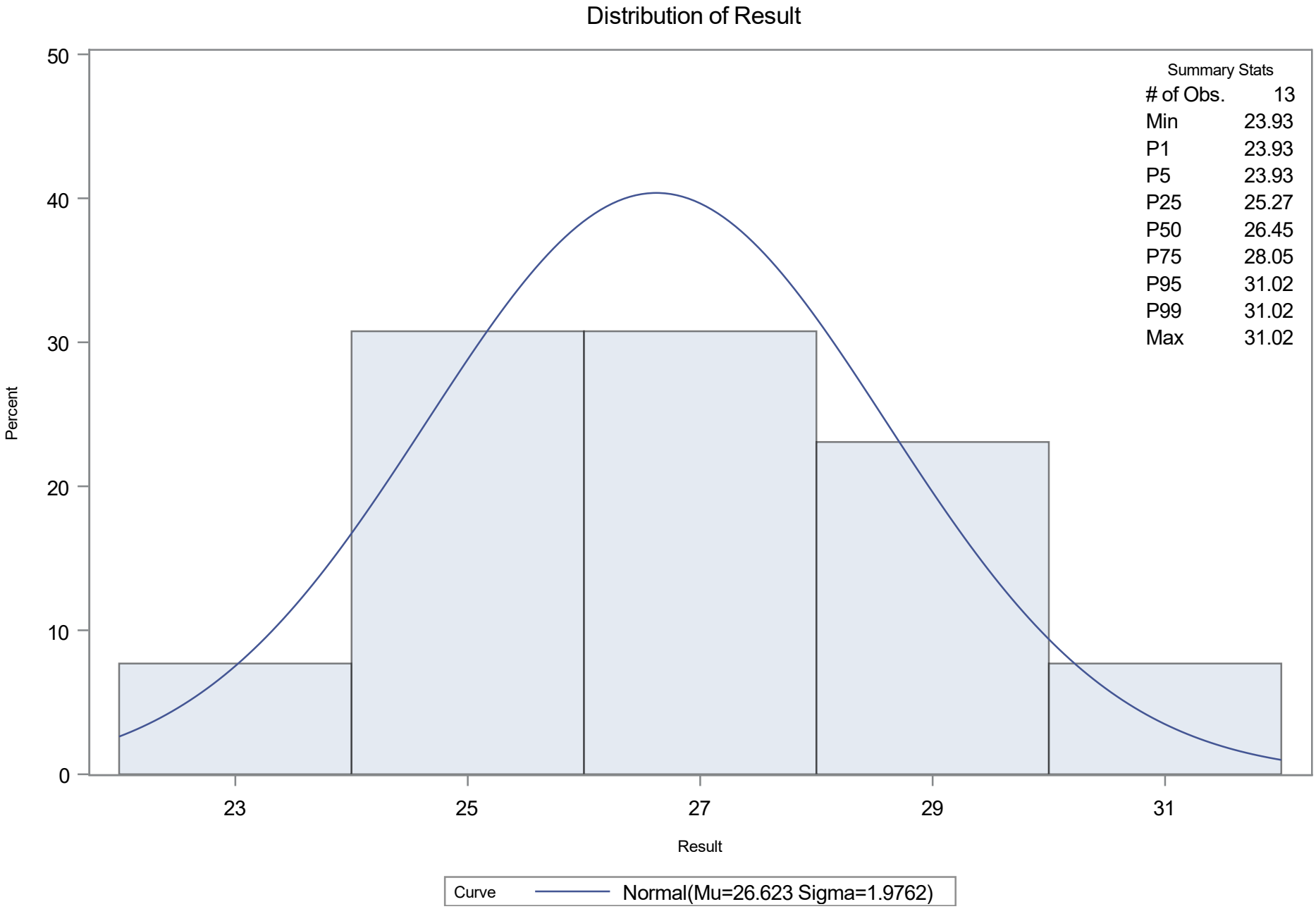

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 266
Result
30
25
20
15
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Station EPC SN 270
Result
30
28
26
24
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.62308
Std Dev	Sigma	1.976185

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12206171	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02777831	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21902749	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	23.9300	22.0258
5.0	23.9300	23.3725
10.0	24.2800	24.0905
25.0	25.2700	25.2902
50.0	26.4500	26.6231
75.0	28.0500	27.9560
90.0	28.6200	29.1557
95.0	31.0200	29.8736
99.0	31.0200	31.2204

Period of Record: January 1996 through December 2023
Analysis Days Only

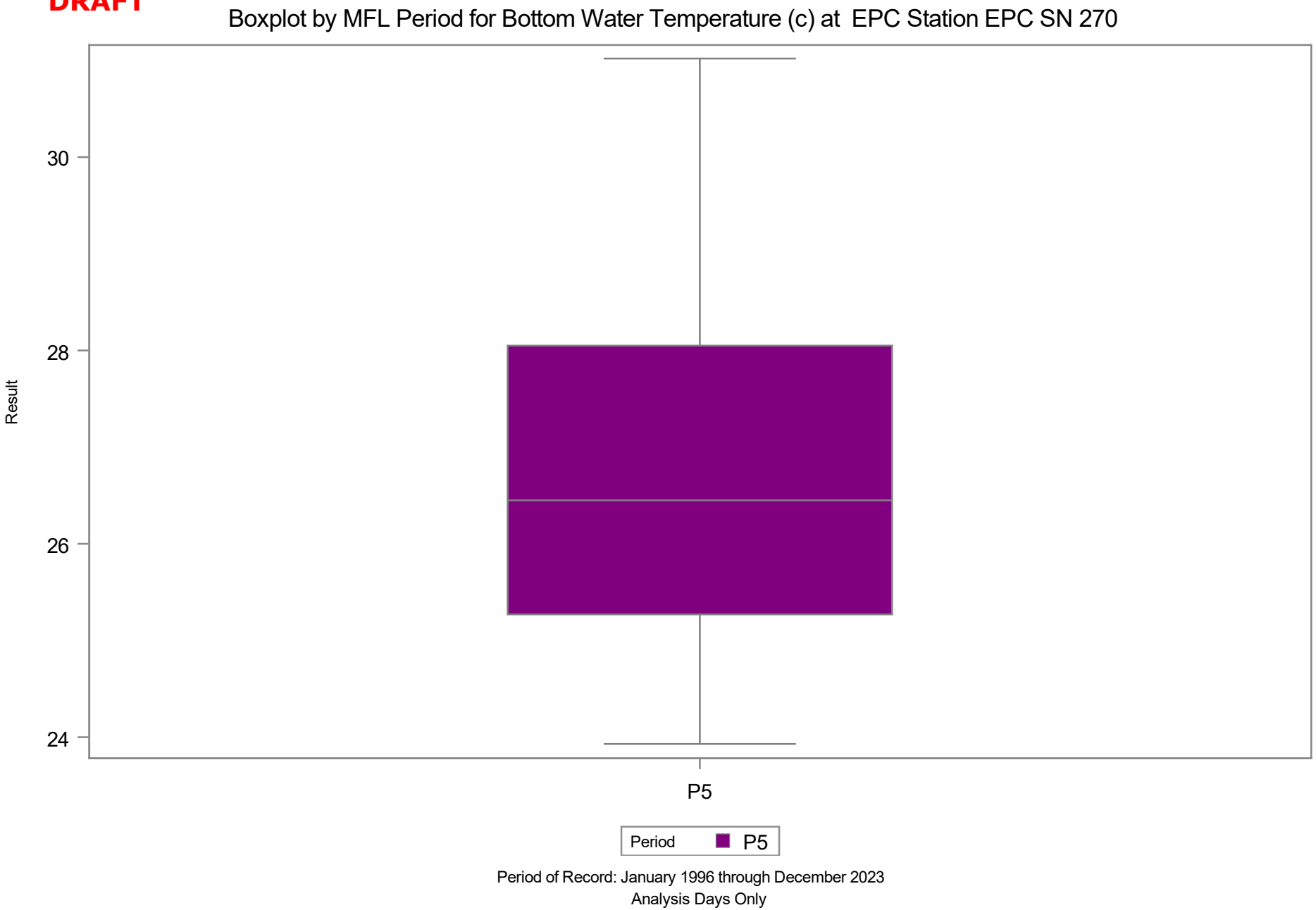
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Station EPC SN 270

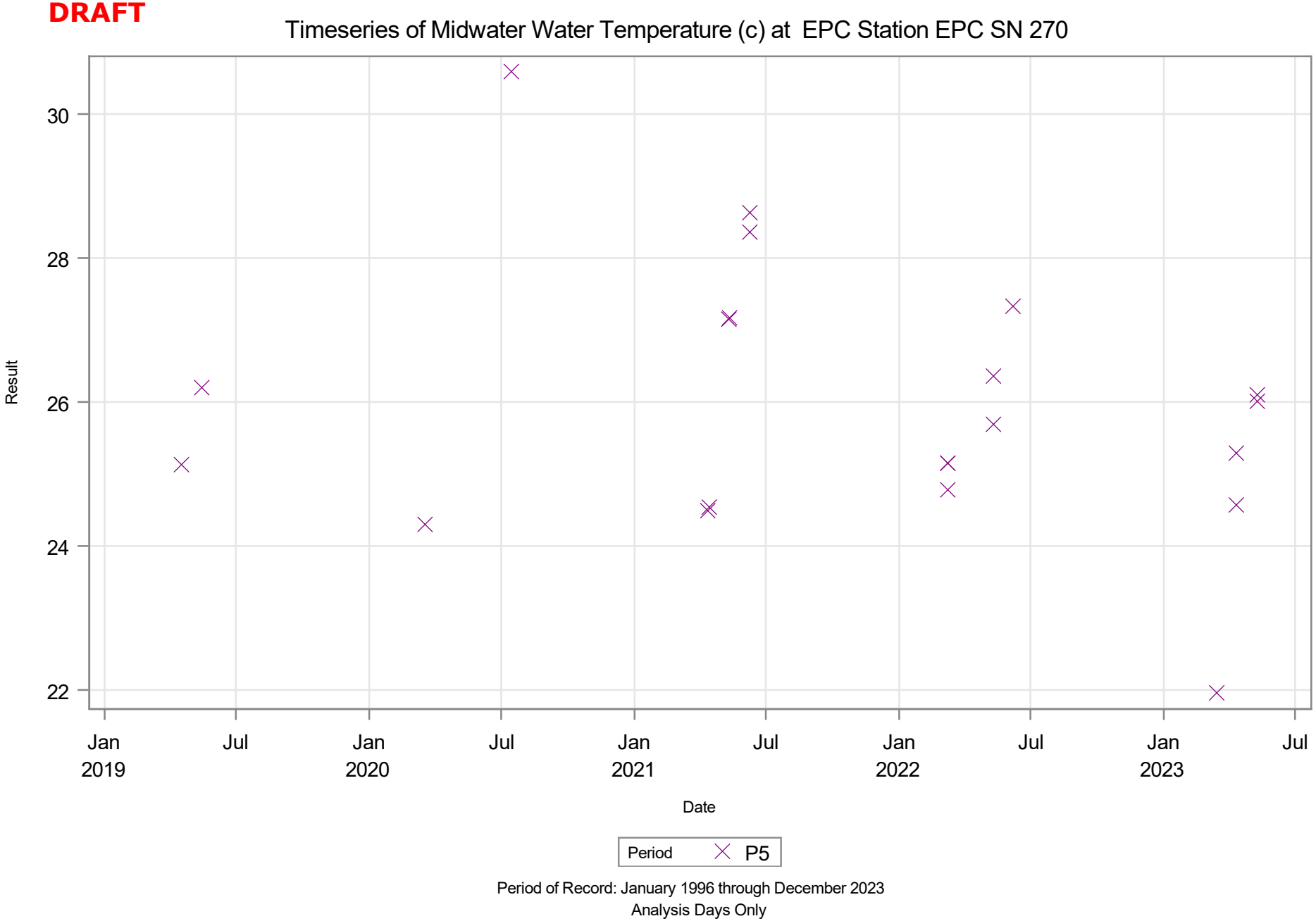
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	23.93	25.27	26.62	26.45	28.05	31.02

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

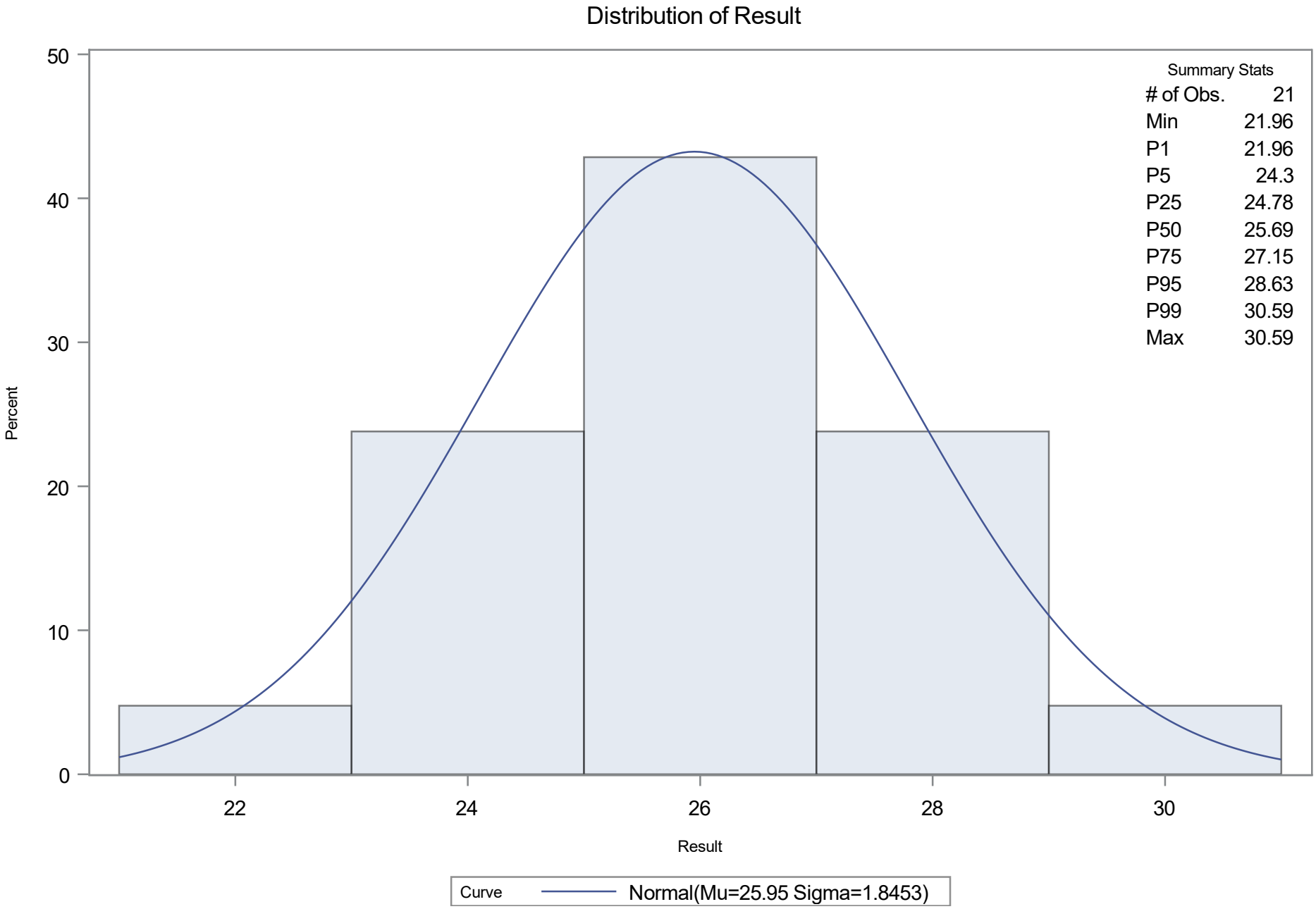

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Station EPC SN 270
Result
30
28
26
24
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at EPC Station EPC SN 270
Result
30
28
26
24
22
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.95
Std Dev	Sigma	1.845275

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13799491	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07702590	**Pr > W-Sq**	0.221
Anderson-Darling	**A-Sq**	0.47742776	**Pr > A-Sq**	0.220

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.9600	21.6572
5.0	24.3000	22.9148
10.0	24.4900	23.5852
25.0	24.7800	24.7054
50.0	25.6900	25.9500
75.0	27.1500	27.1946
90.0	28.3600	28.3148
95.0	28.6300	28.9852
99.0	30.5900	30.2428

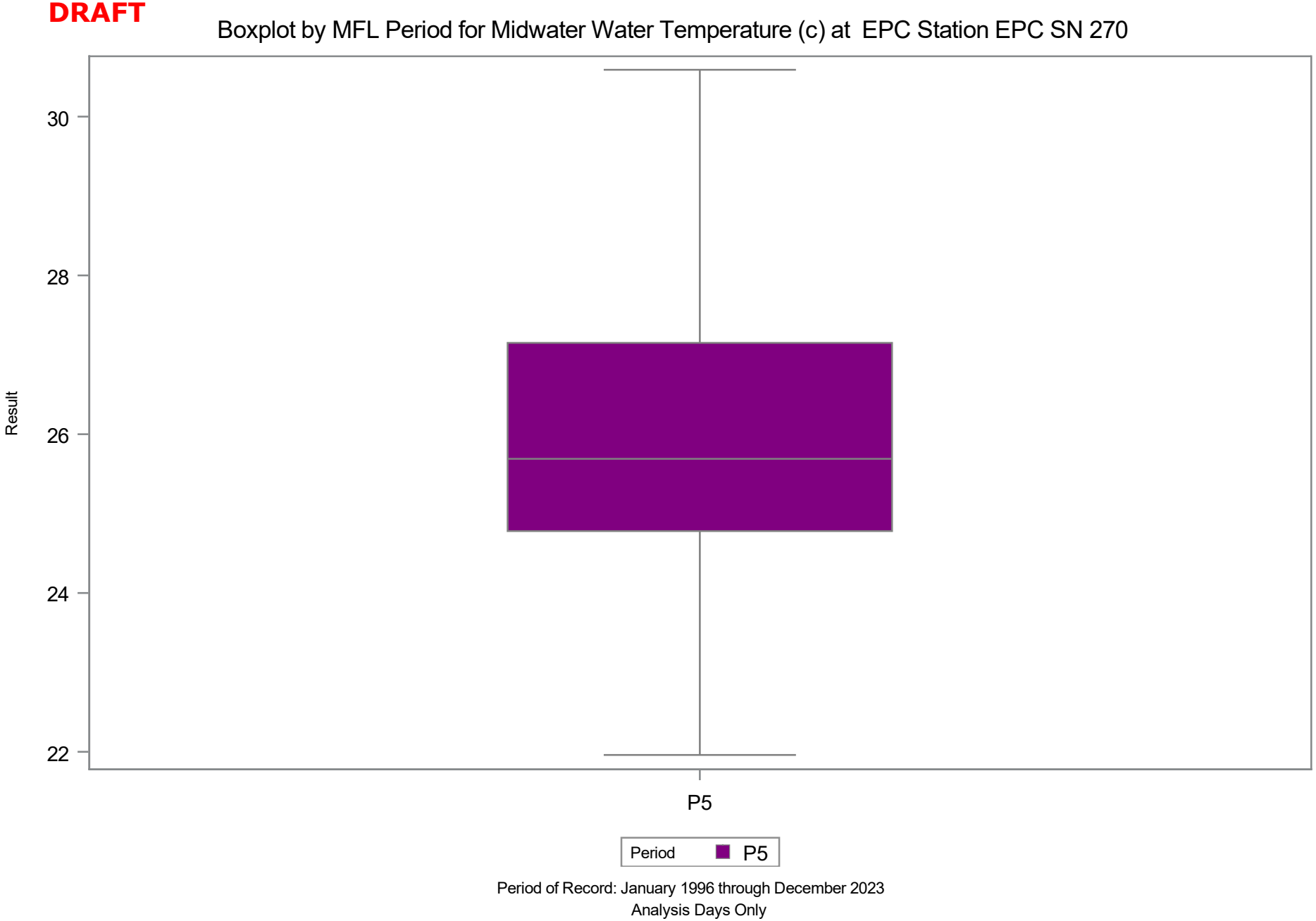
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at EPC Station EPC SN 270**

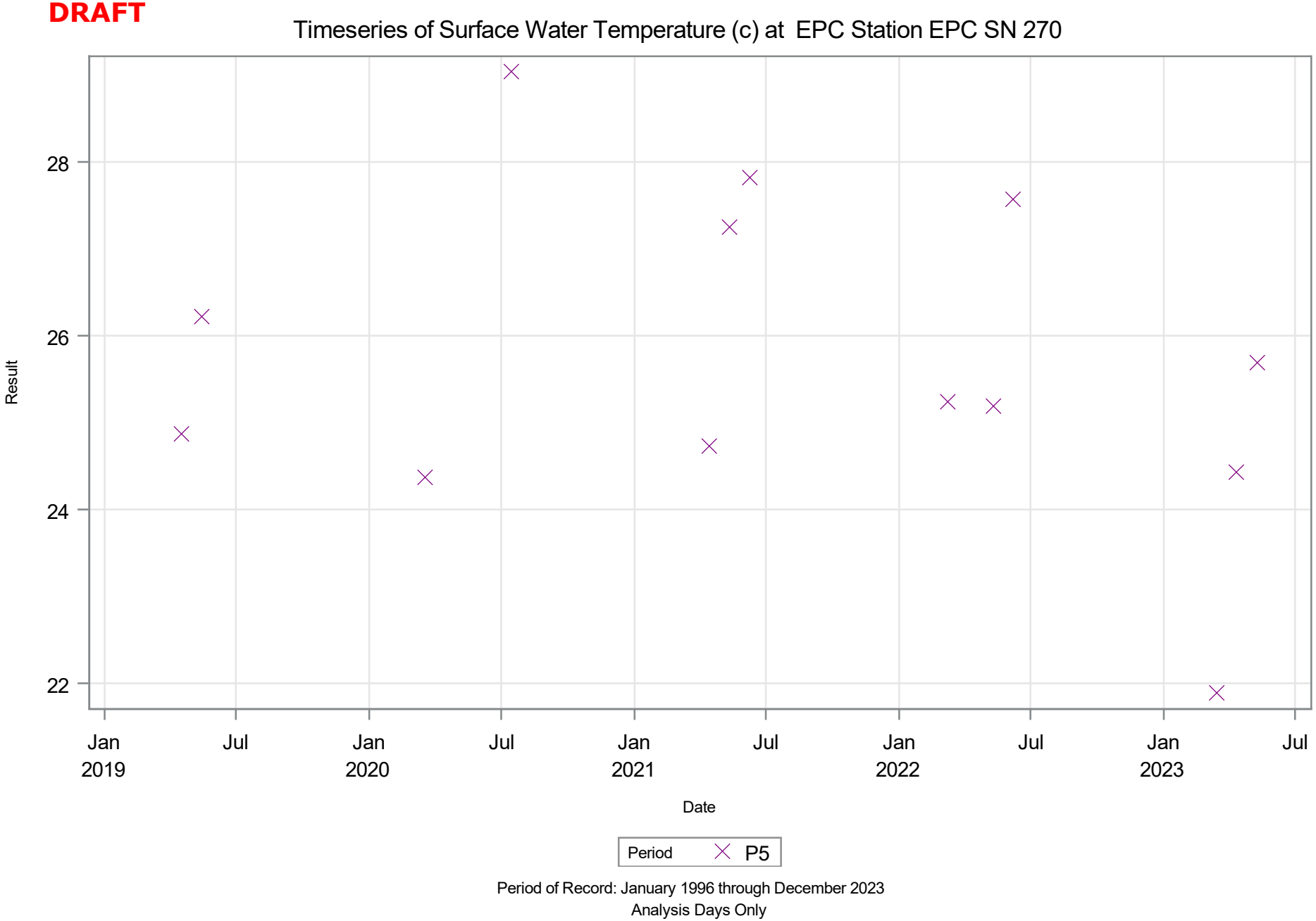
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	21	21.96	24.78	25.95	25.69	27.15	30.59

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

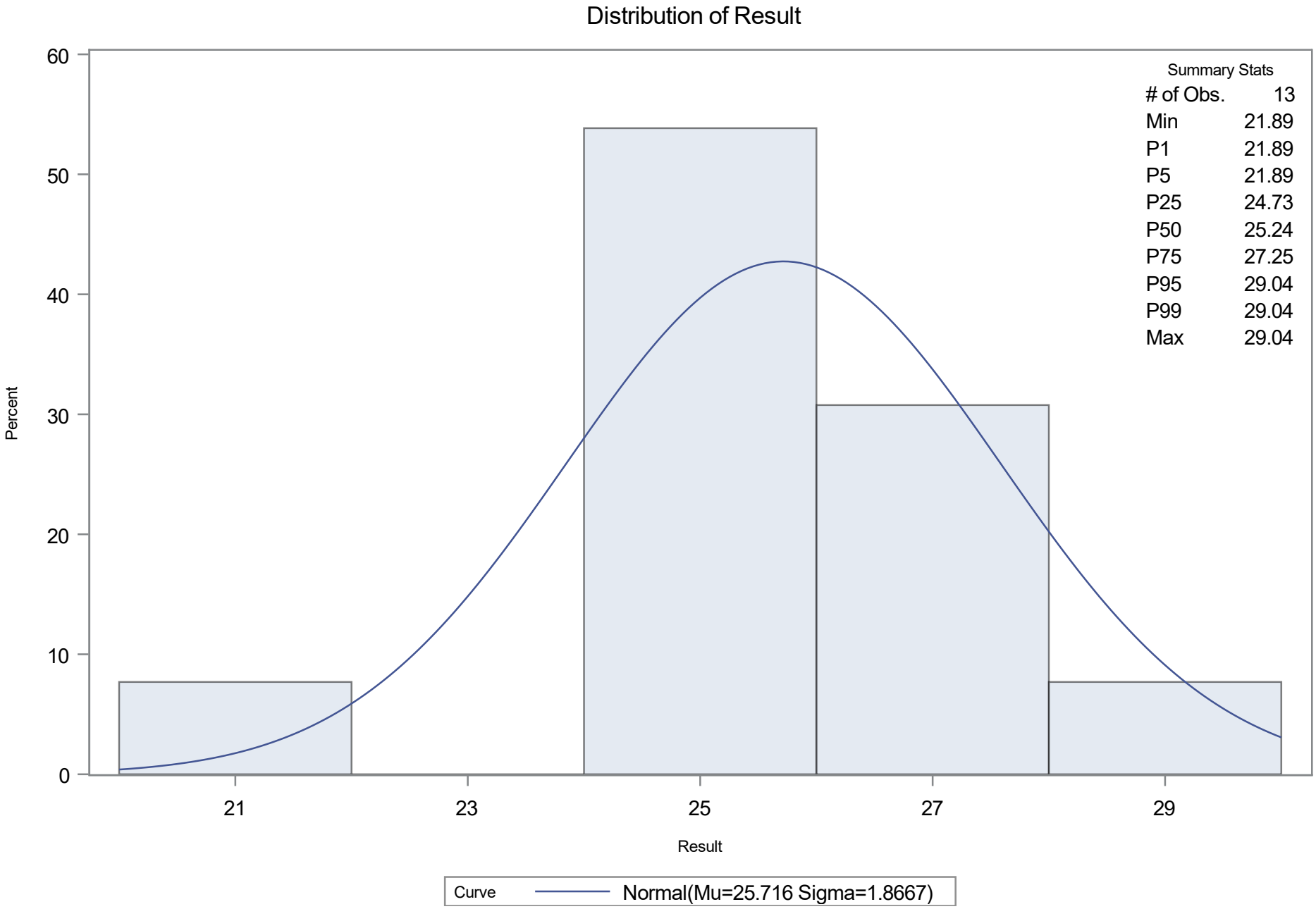

Boxplot by MFL Period for Midwater Water Temperature (c) at EPC Station EPC SN 270
Result
30
28
26
24
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Station EPC SN 270
Result
28
26
24
22
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.71615
Std Dev	Sigma	1.866724

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15849118	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05090959	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30677686	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.8900	21.3735
5.0	21.8900	22.6457
10.0	24.3700	23.3239
25.0	24.7300	24.4571
50.0	25.2400	25.7162
75.0	27.2500	26.9752
90.0	27.8200	28.1085
95.0	29.0400	28.7866
99.0	29.0400	30.0588

Period of Record: January 1996 through December 2023
Analysis Days Only

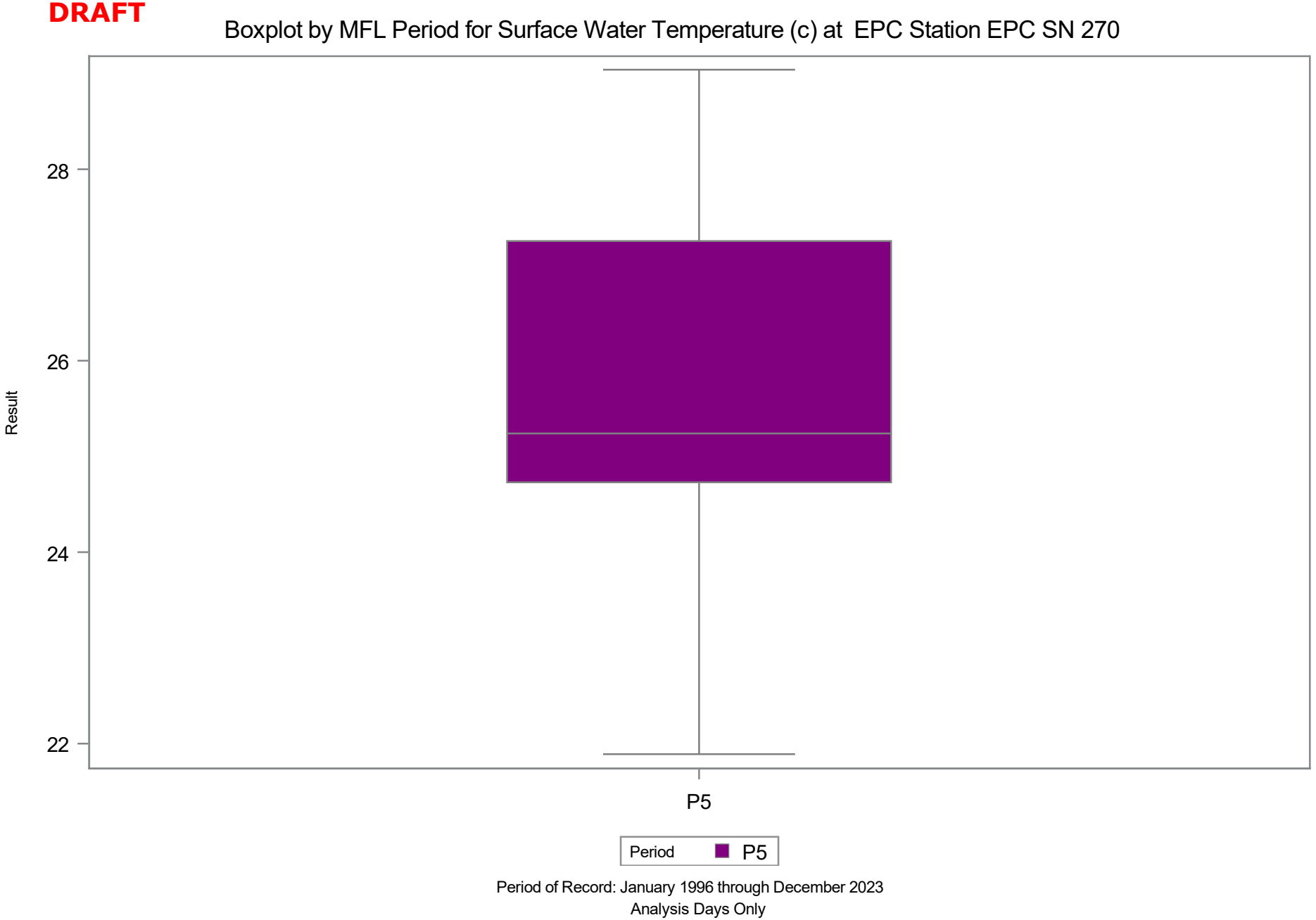
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Station EPC SN 270

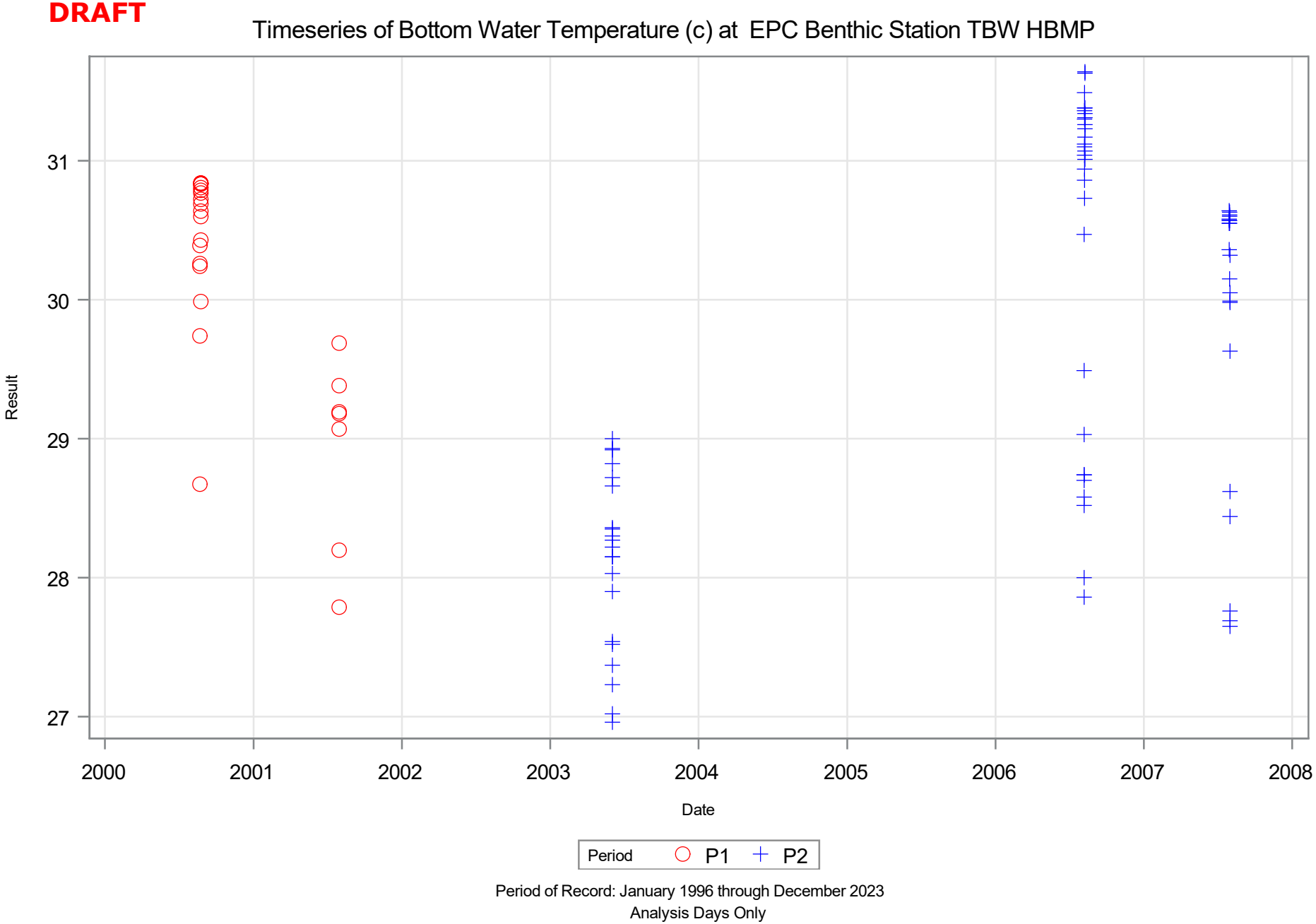
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	21.89	24.73	25.72	25.24	27.25	29.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

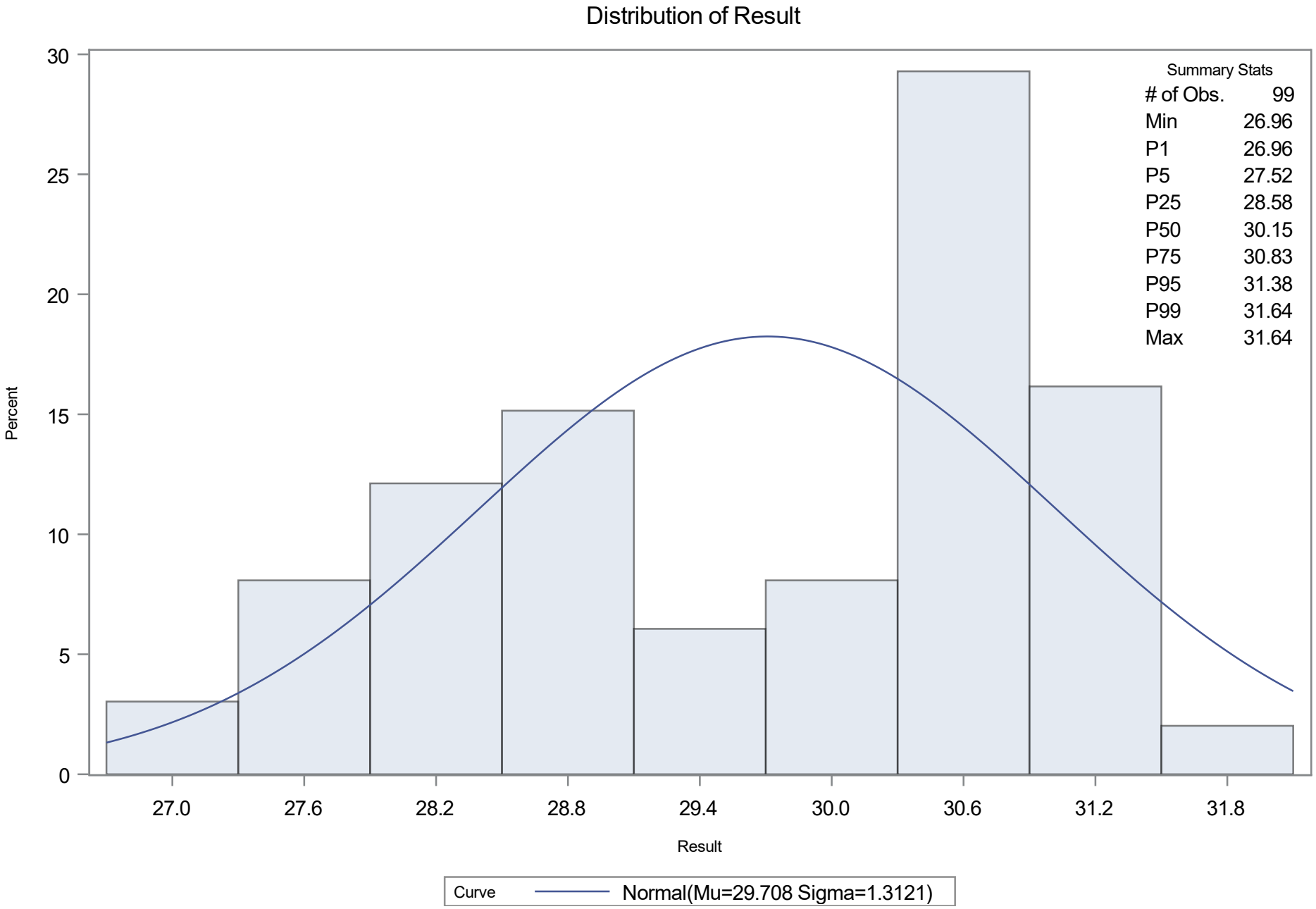

Boxplot by MFL Period for Surface Water Temperature (c) at EPC Station EPC SN 270
Result
28
26
24
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at EPC Benthic Station TBW HBMP
Result
31
30
29
28
27
2000
2001
2002
2003
2004
2005
2006
2007
2008
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	29.70808
Std Dev	Sigma	1.312059

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16370120	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.55683540	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.03975930	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	26.9600	26.6558
5.0	27.5200	27.5499
10.0	27.7900	28.0266
25.0	28.5800	28.8231
50.0	30.1500	29.7081
75.0	30.8300	30.5931
90.0	31.2600	31.3896
95.0	31.3800	31.8662
99.0	31.6400	32.7604

Period of Record: January 1996 through December 2023
Analysis Days Only

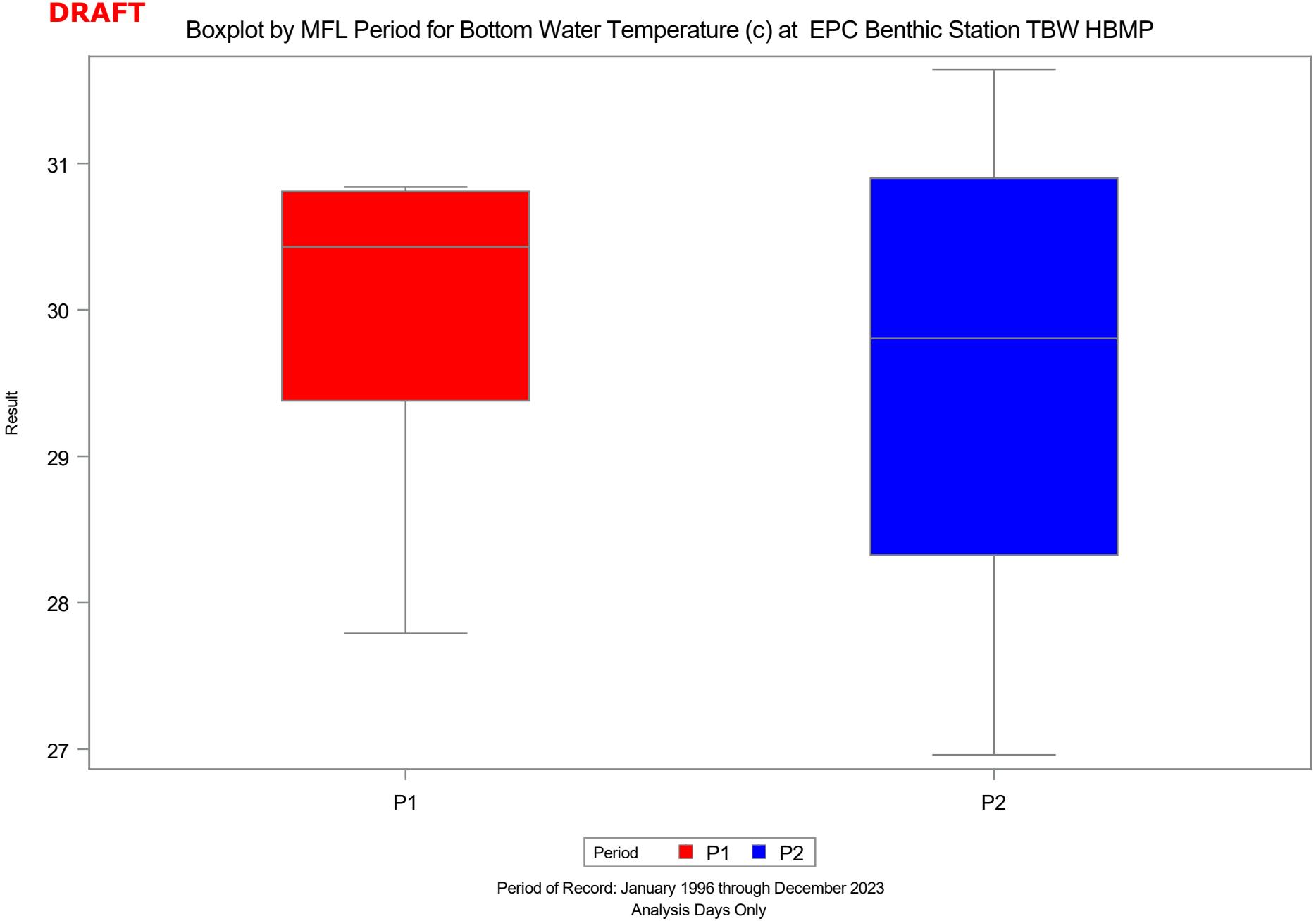
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at EPC Benthic Station TBW HBMP

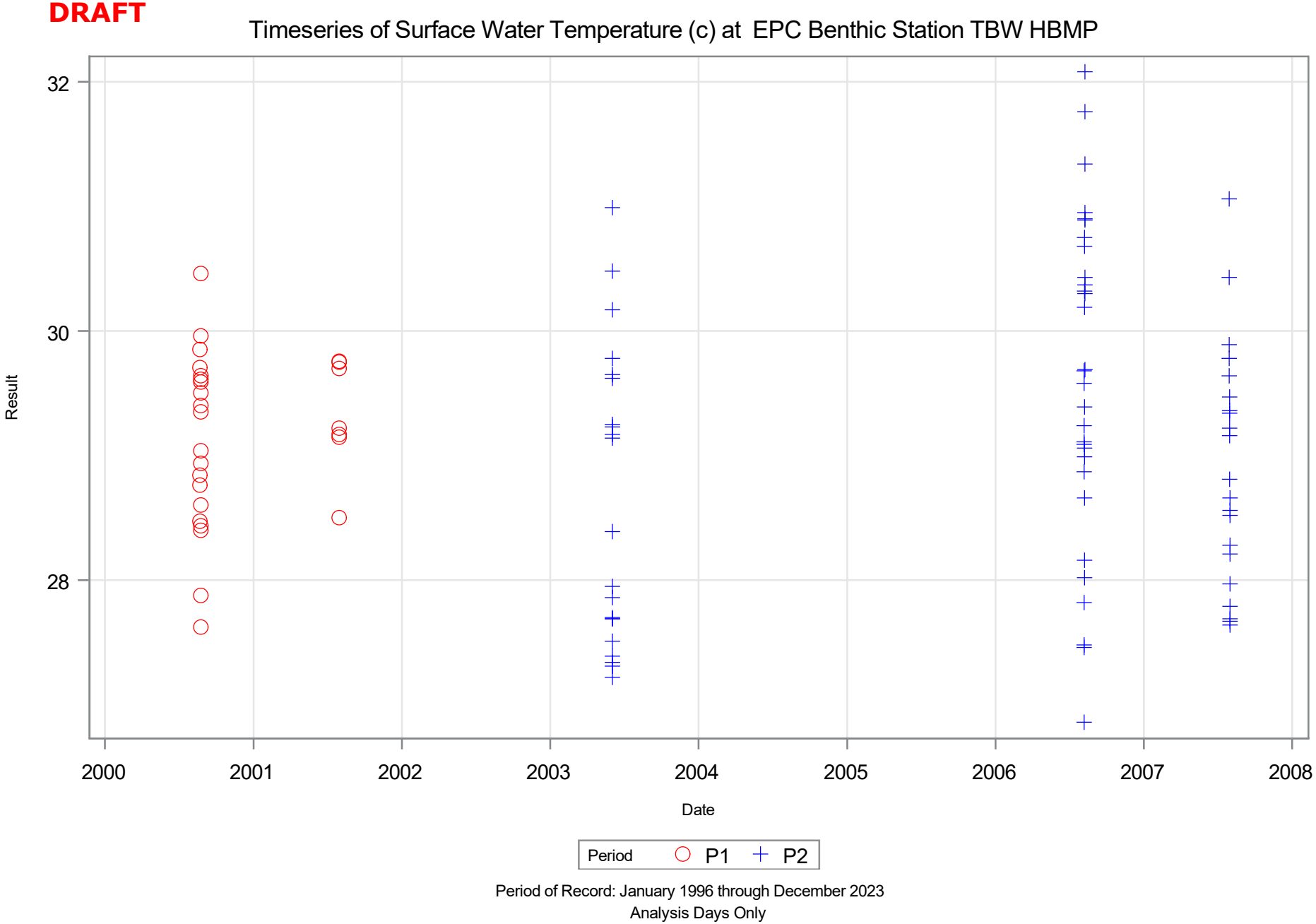
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	27.79	29.38	30.08	30.43	30.81	30.84
P2	72	26.96	28.33	29.57	29.81	30.90	31.64

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

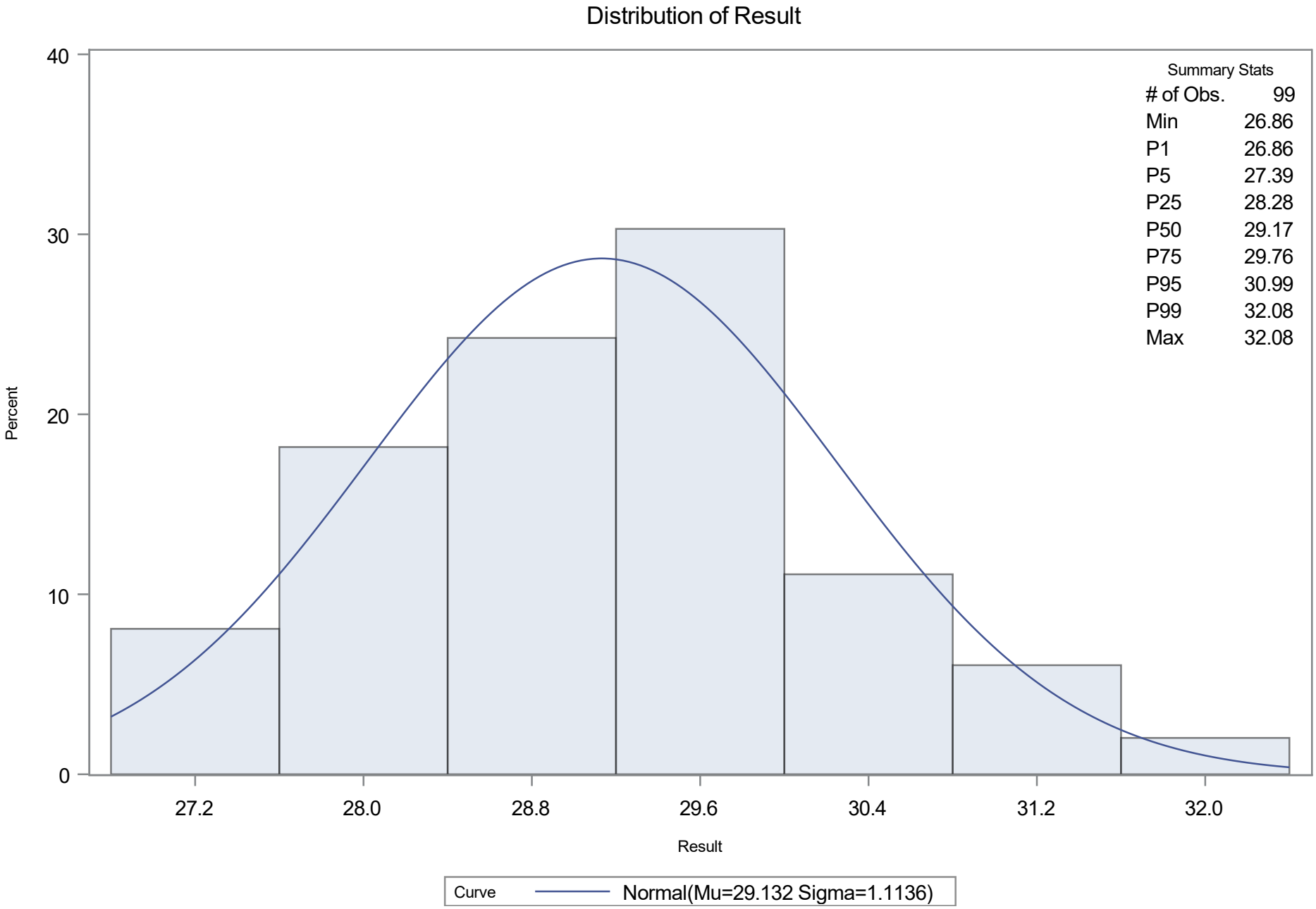

Boxplot by MFL Period for Bottom Water Temperature (c) at EPC Benthic Station TBW HBMP
Result
31
30
29
28
27
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at EPC Benthic Station TBW HBMP
32
30
28
Result
2000
2001
2002
2003
2004
2005
2006
2007
2008
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Benthic Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at EPC Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	29.13242
Std Dev	Sigma	1.113607

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06384081	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06762563	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.48974926	**Pr > A-Sq**	0.224

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	26.8600	26.5418
5.0	27.3900	27.3007
10.0	27.6400	27.7053
25.0	28.2800	28.3813
50.0	29.1700	29.1324
75.0	29.7600	29.8835
90.0	30.6800	30.5596
95.0	30.9900	30.9641
99.0	32.0800	31.7231

Period of Record: January 1996 through December 2023
Analysis Days Only

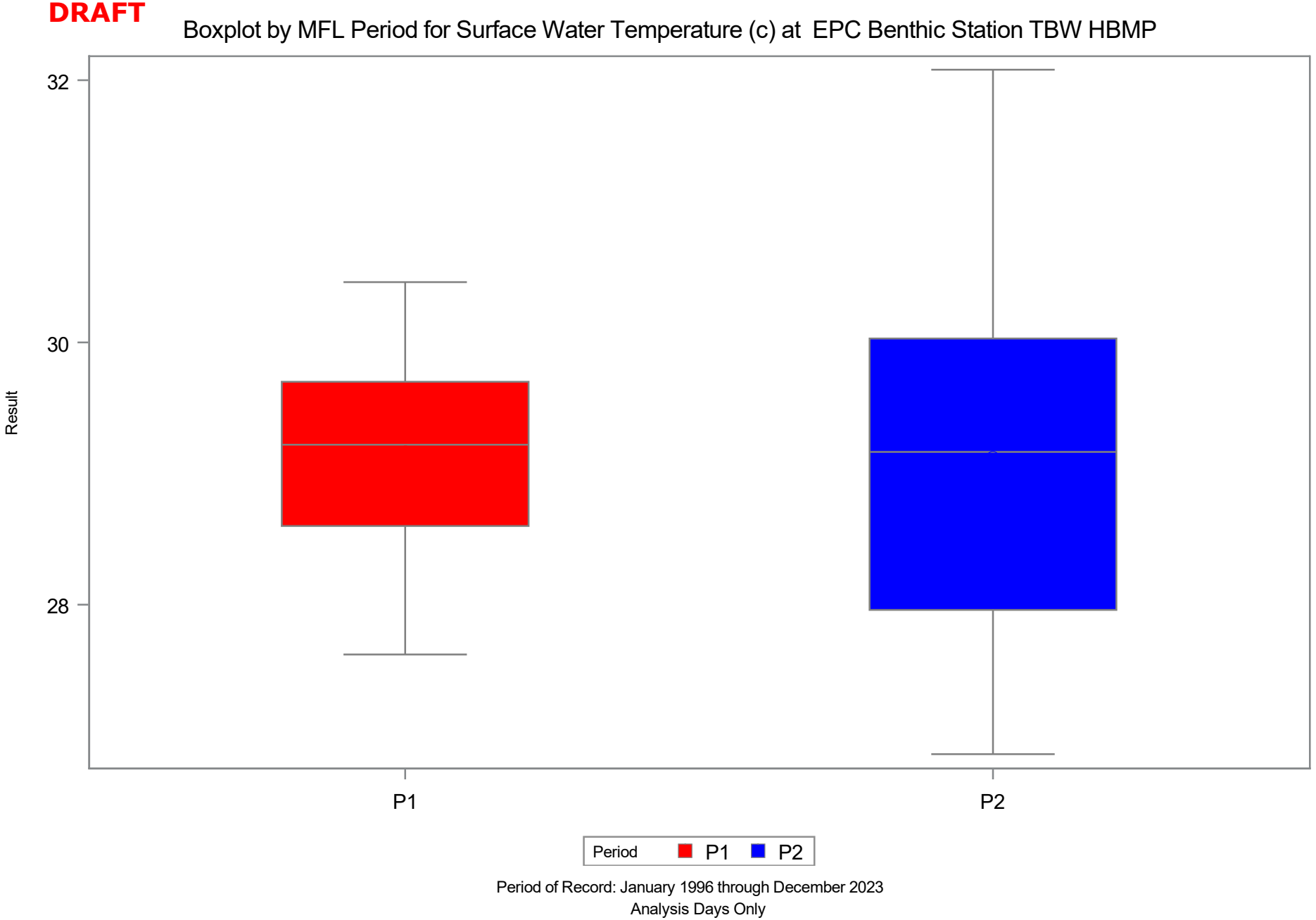
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at EPC Benthic Station TBW HBMP

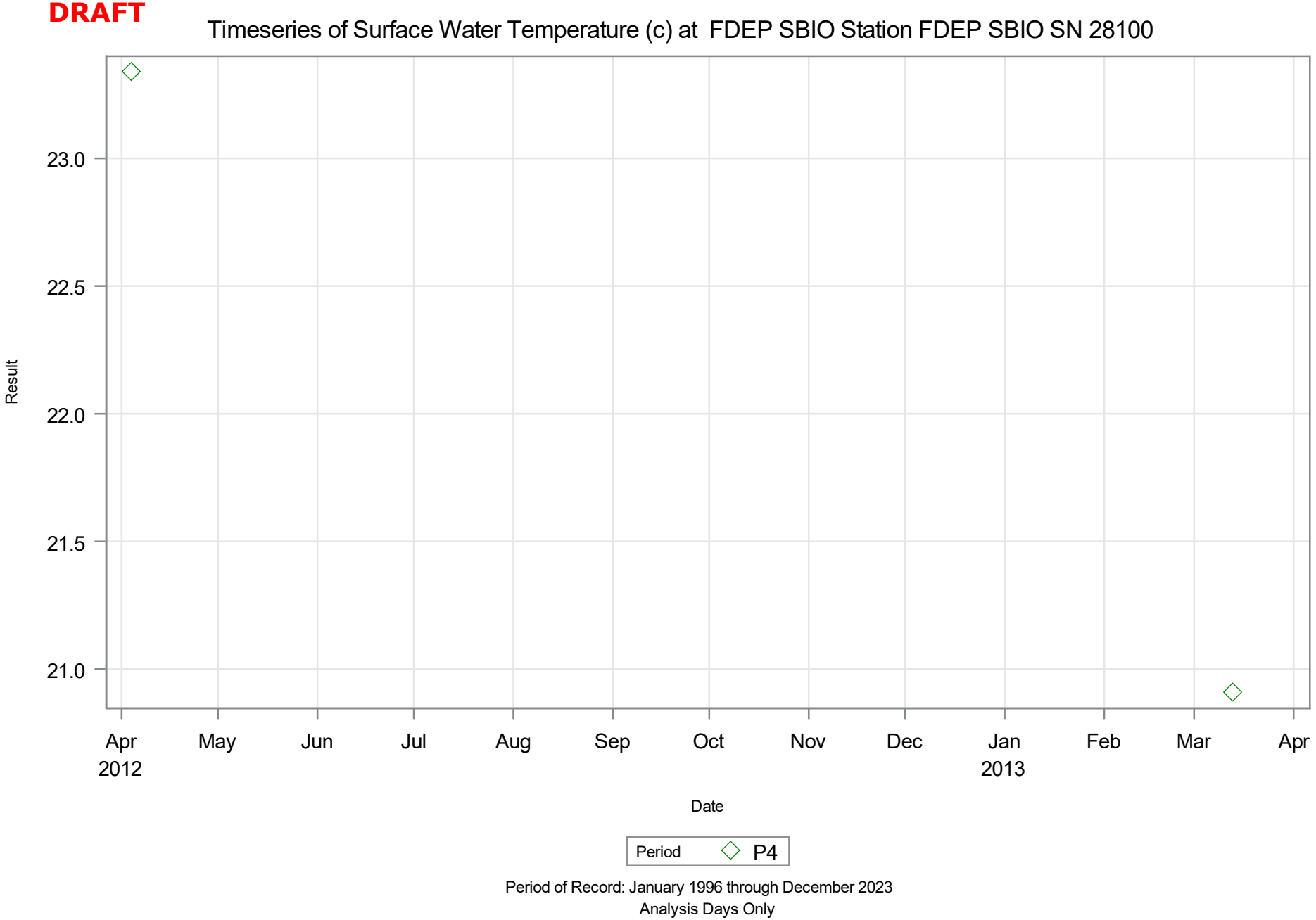
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	27	27.62	28.60	29.16	29.22	29.70	30.46
P2	72	26.86	27.96	29.12	29.17	30.03	32.08

Period of Record: January 1996 through December 2023
Analysis Days Only

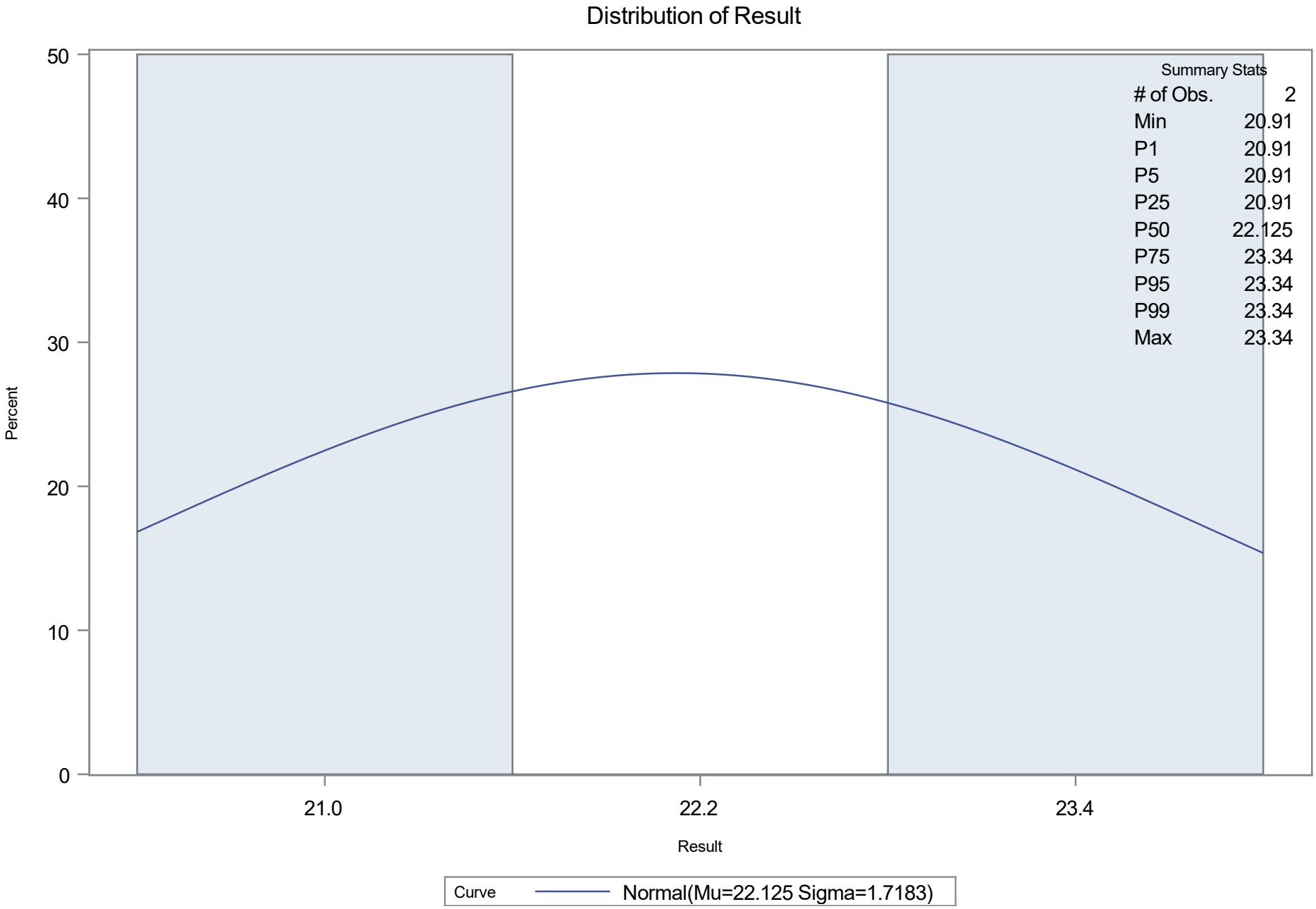
DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at EPC Benthic Station TBW HBMP
32
30
28
Result
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 28100
Result
23.0
22.5
22.0
21.5
21.0
Apr
2012
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2013
Feb
Mar
Apr
Date
Period
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 28100**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 28100**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.125
Std Dev	Sigma	1.718269

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.9100	18.1277
5.0	20.9100	19.2987
10.0	20.9100	19.9229
25.0	20.9100	20.9660
50.0	22.1250	22.1250
75.0	23.3400	23.2840
90.0	23.3400	24.3271
95.0	23.3400	24.9513
99.0	23.3400	26.1223

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

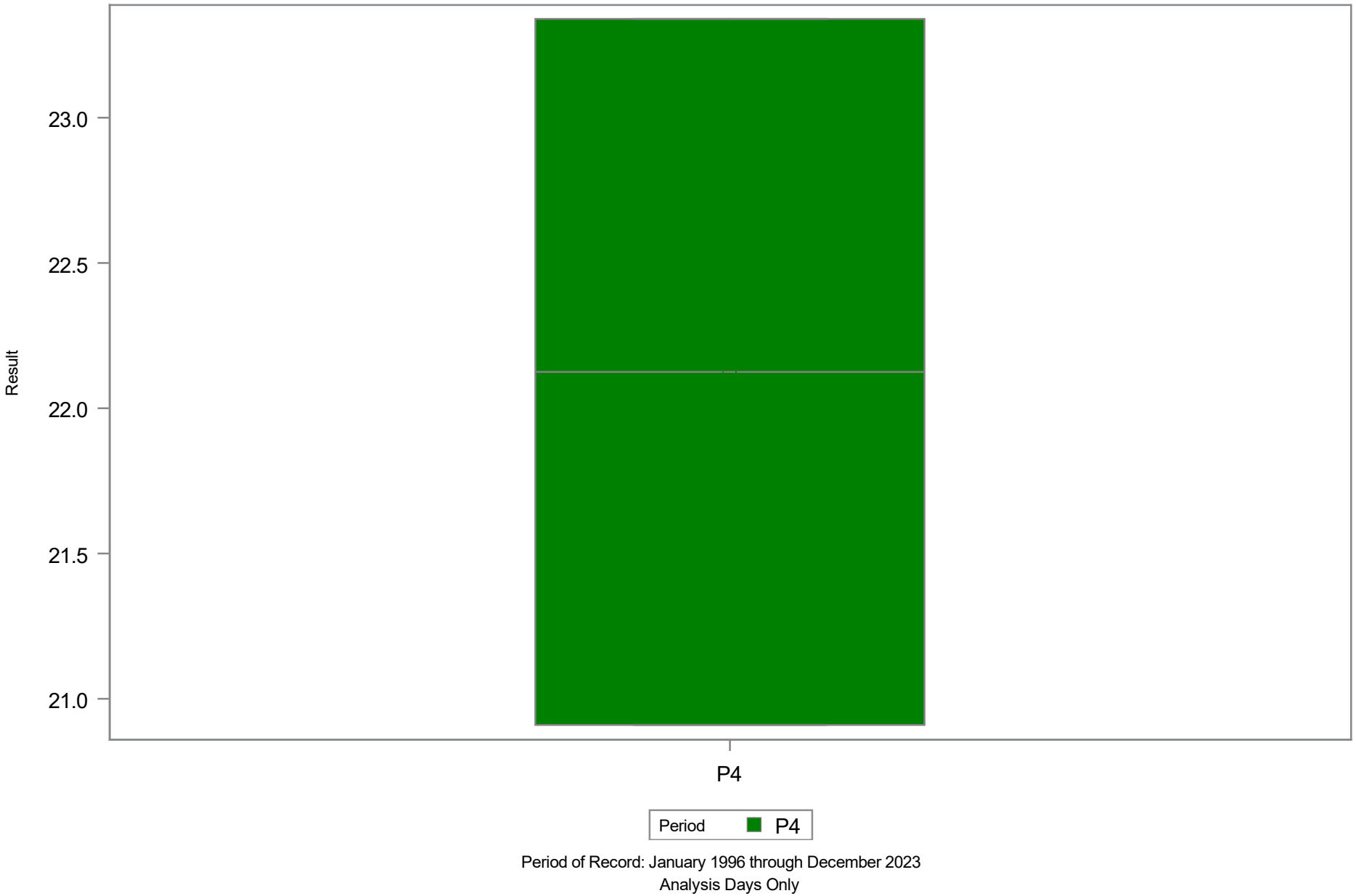
Distributional Statistics by Period for Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 28100

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	2	20.91	20.91	22.13	22.13	23.34	23.34

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

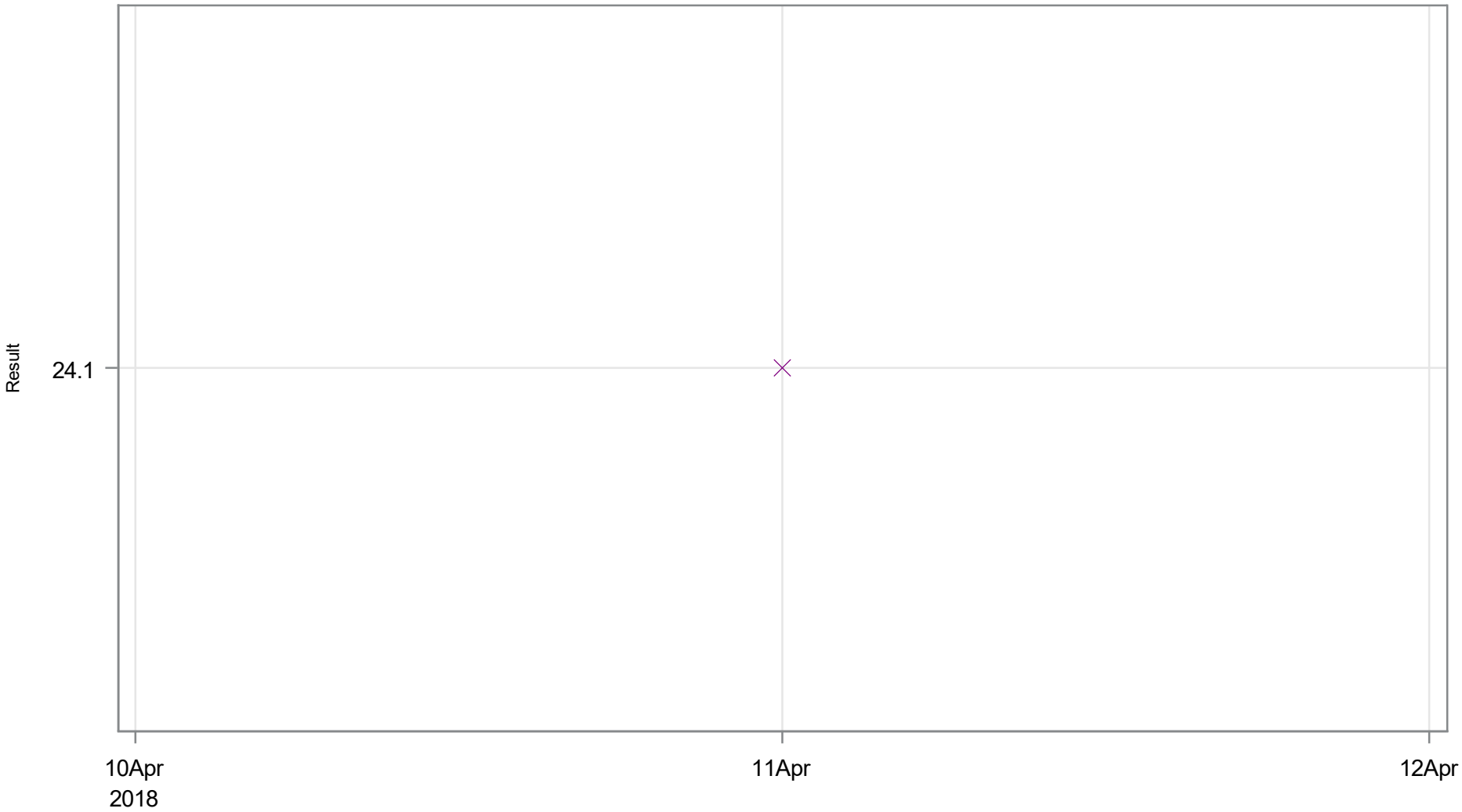
Boxplot by MFL Period for Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 28100



Period of Record: January 1996 through December 2023
Analysis Days Only

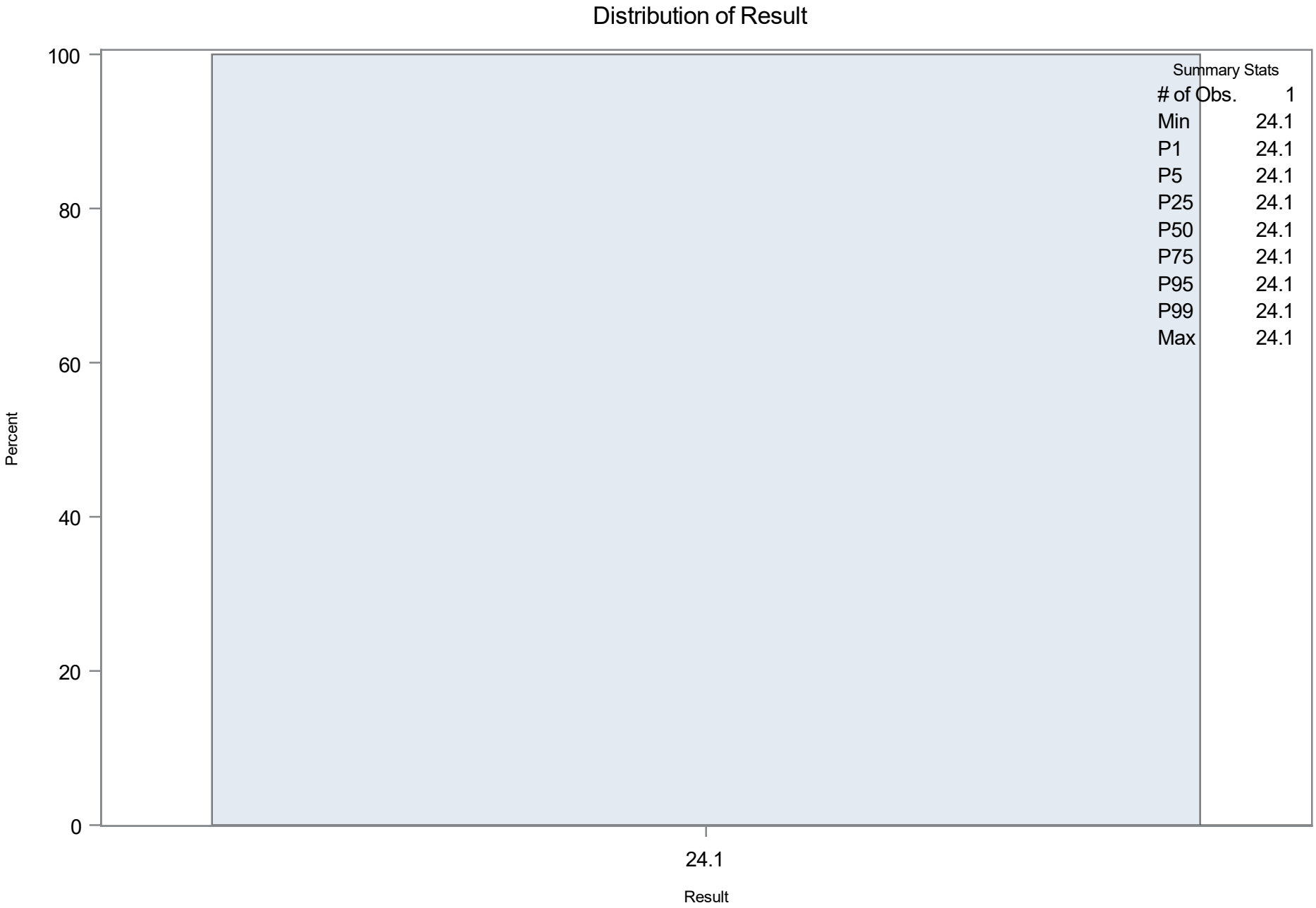
DRAFT

Timeseries of Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 53277



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 53277**



Period of Record: January 1996 through December 2023
Analysis Days Only

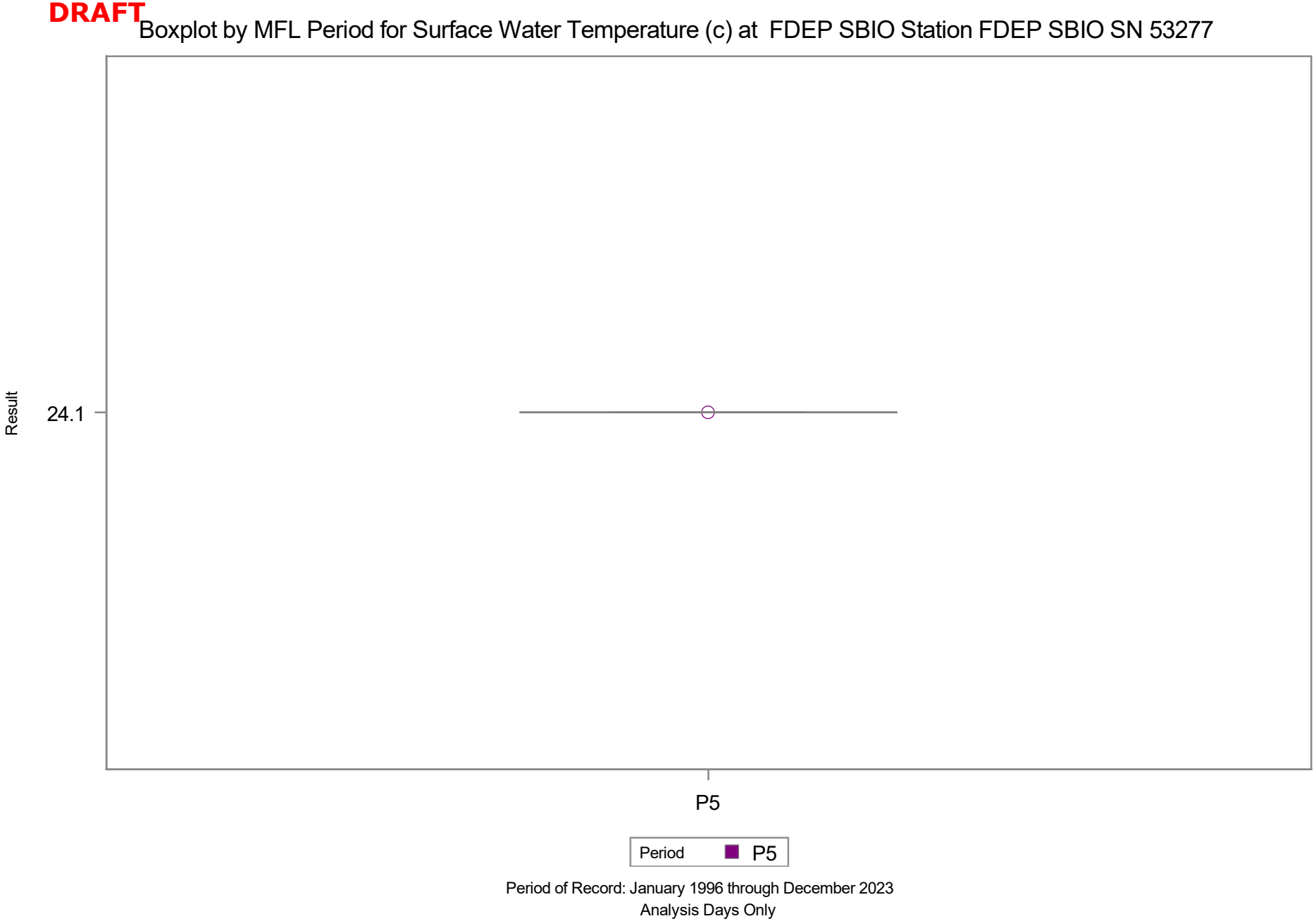
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 53277

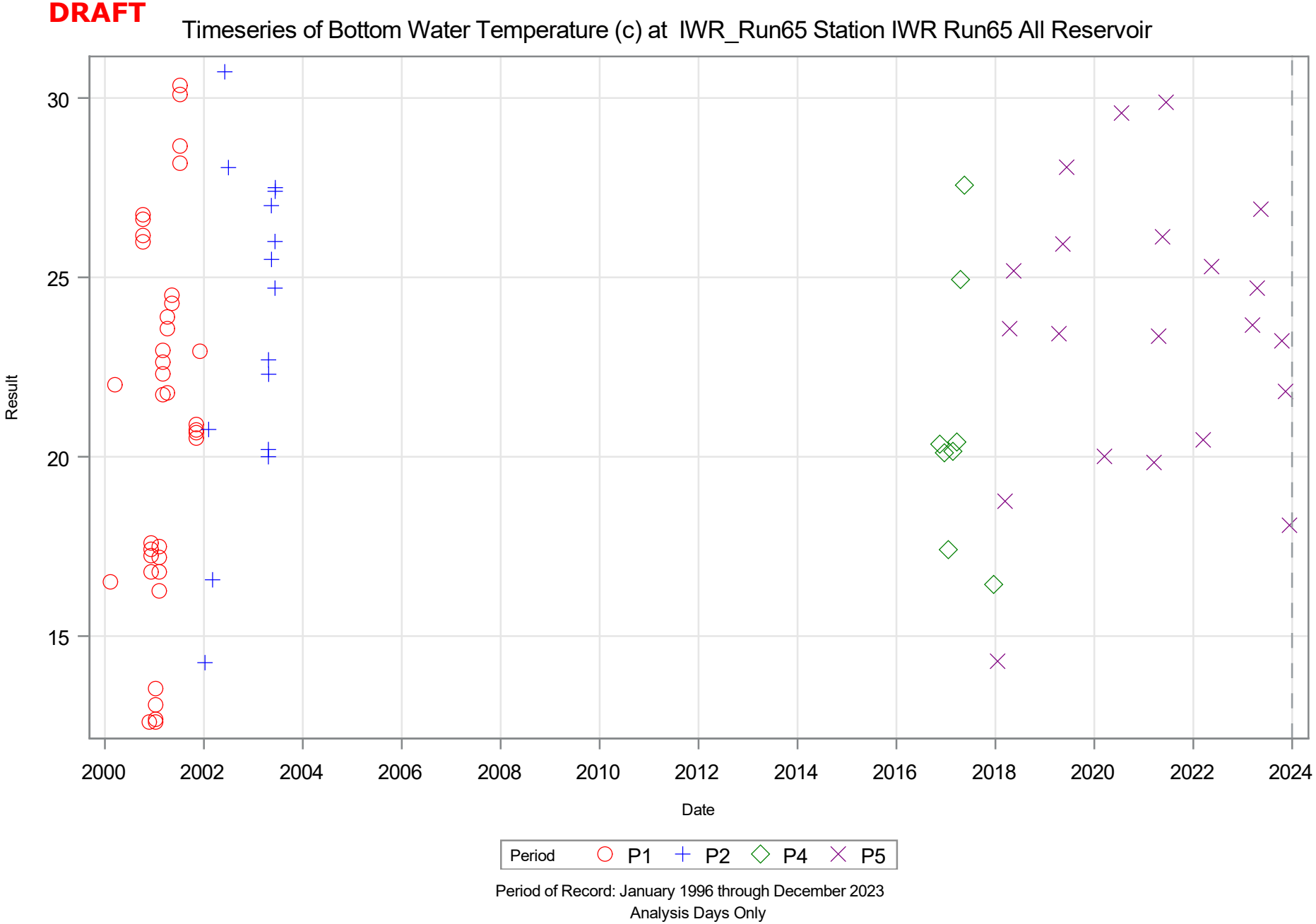
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	24.10	24.10	24.10	24.10	24.10	24.10

Period of Record: January 1996 through December 2023
Analysis Days Only

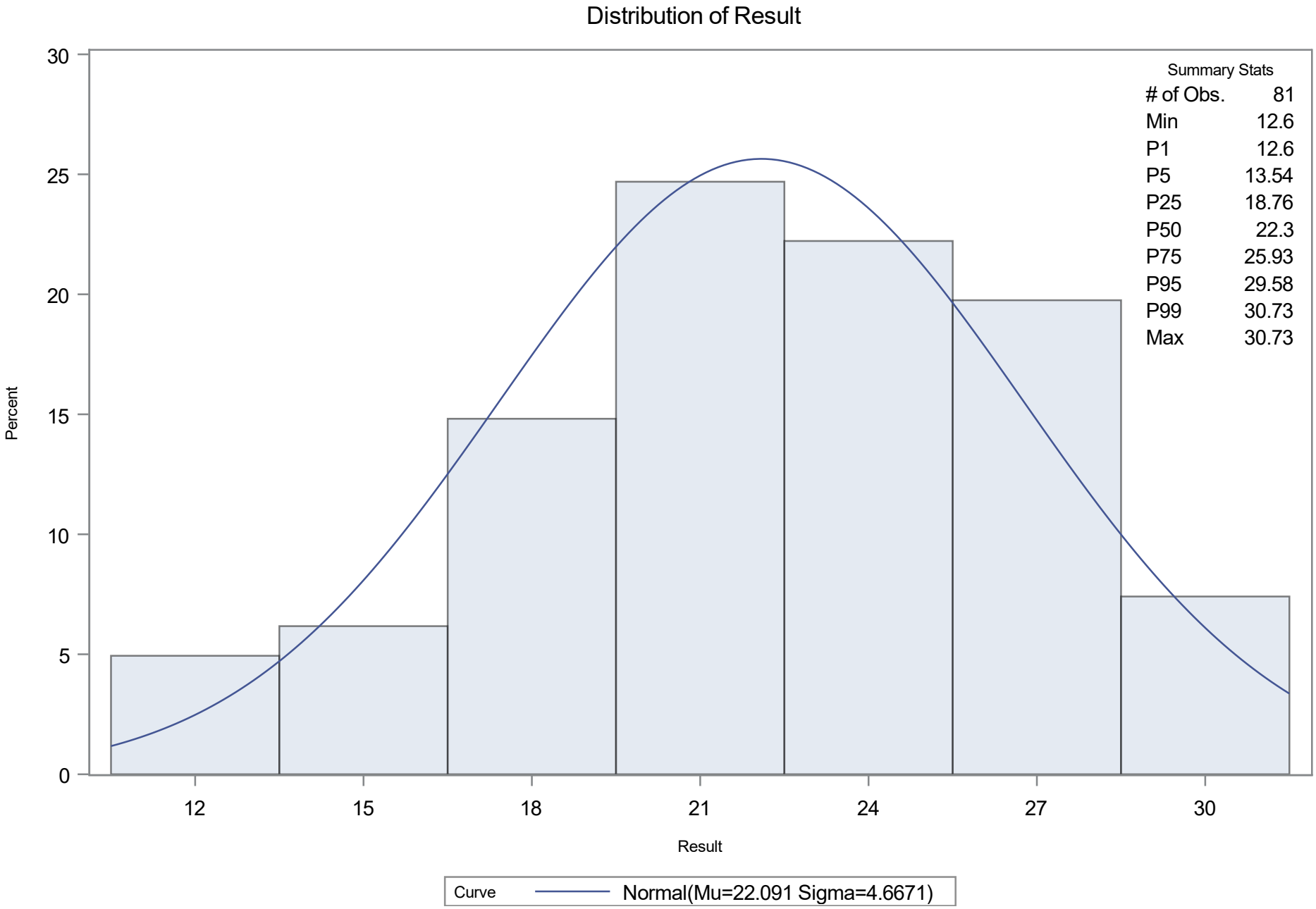
DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at FDEP SBIO Station FDEP SBIO SN 53277
Result
24.1
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir
Result
30
25
20
15
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Bottom Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.09086
Std Dev	Sigma	4.667121

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06713945	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05689880	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.41731197	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.6000	11.2335
5.0	13.5400	14.4141
10.0	16.4400	16.1097
25.0	18.7600	18.9429
50.0	22.3000	22.0909
75.0	25.9300	25.2388
90.0	28.0600	28.0720
95.0	29.5800	29.7676
99.0	30.7300	32.9482

Period of Record: January 1996 through December 2023
Analysis Days Only

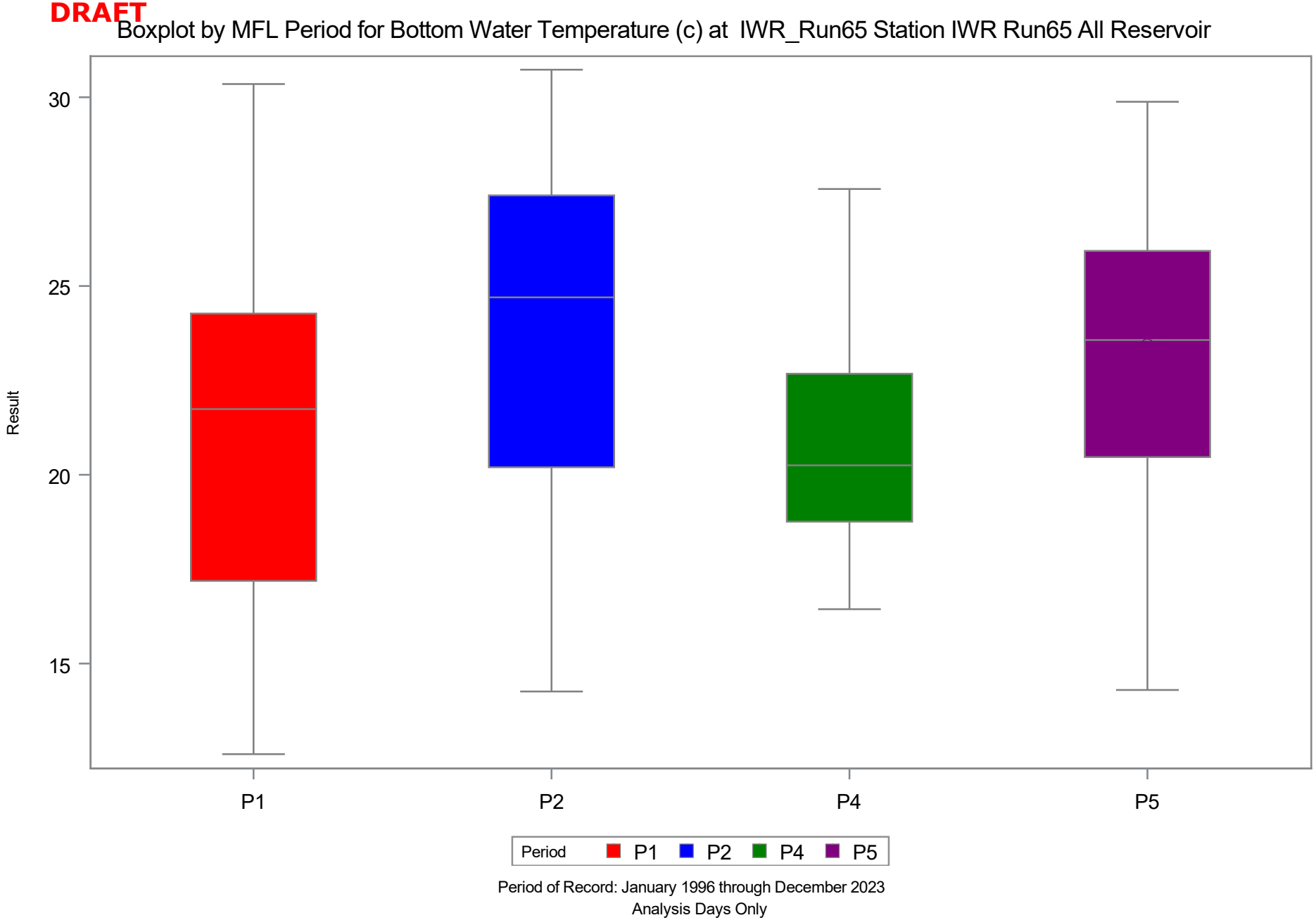
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir

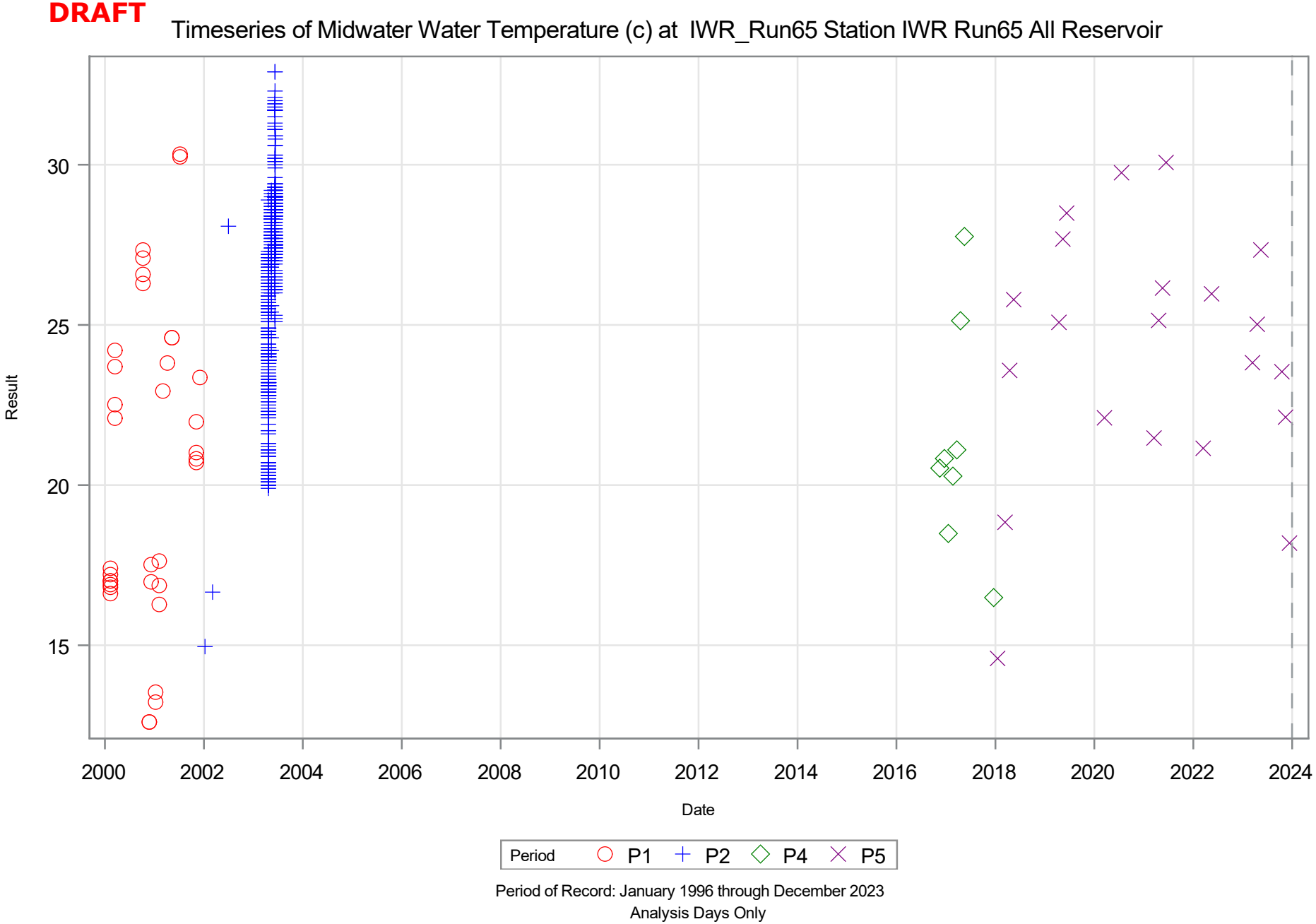
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	12.60	17.19	20.98	21.74	24.27	30.35
P2	15	14.26	20.20	23.58	24.70	27.40	30.73
P4	8	16.44	18.76	20.92	20.25	22.68	27.57
P5	21	14.30	20.47	23.44	23.57	25.93	29.88

Period of Record: January 1996 through December 2023
Analysis Days Only

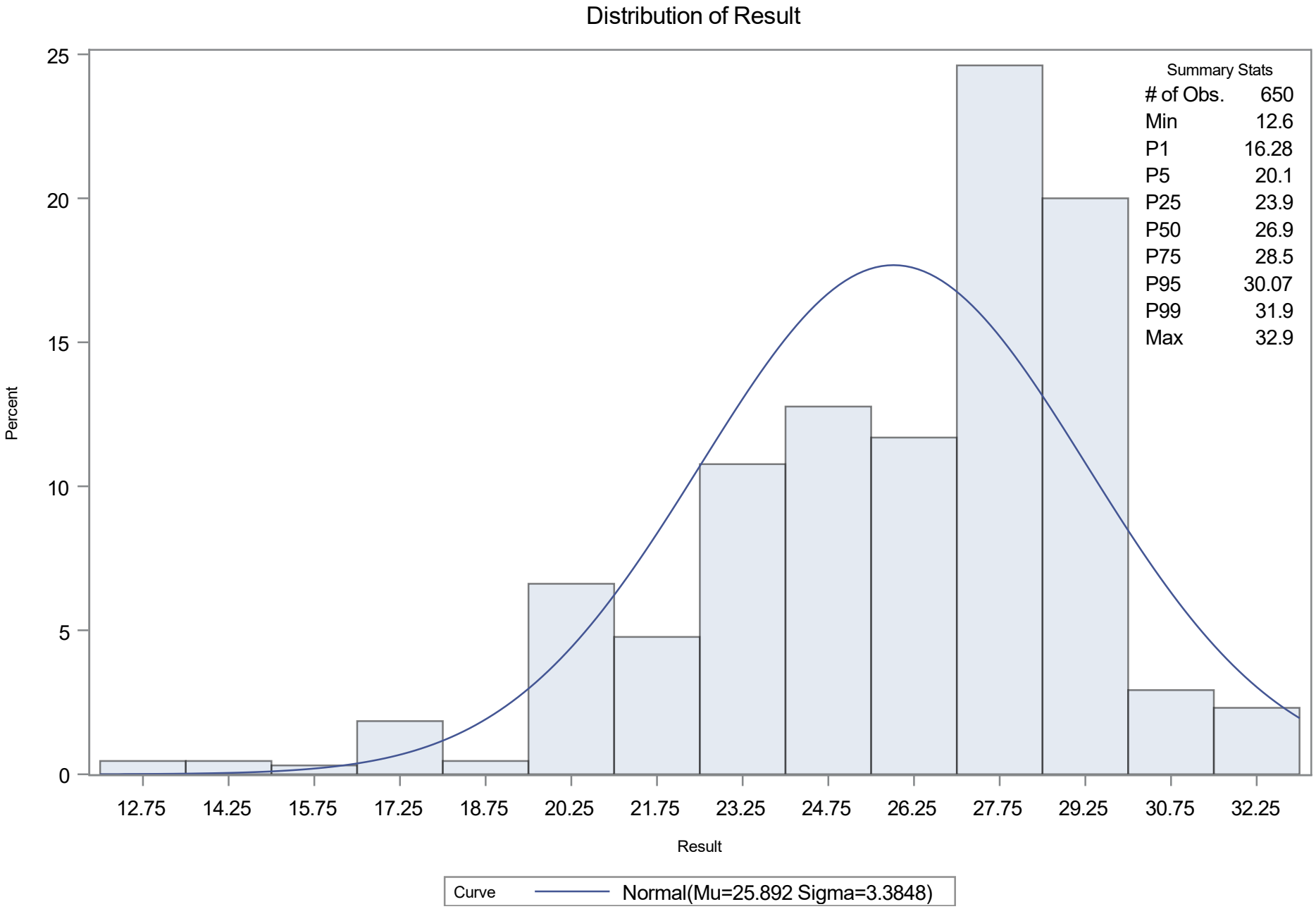
DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir
Result
30
25
20
15
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir
Result
30
25
20
15
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Midwater Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Midwater Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.89174
Std Dev	Sigma	3.384804

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1340253	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.3708580	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.3117284	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.2800	18.0175
5.0	20.1000	20.3242
10.0	20.9000	21.5539
25.0	23.9000	23.6087
50.0	26.9000	25.8917
75.0	28.5000	28.1748
90.0	29.0000	30.2295
95.0	30.0700	31.4592
99.0	31.9000	33.7660

Period of Record: January 1996 through December 2023
Analysis Days Only

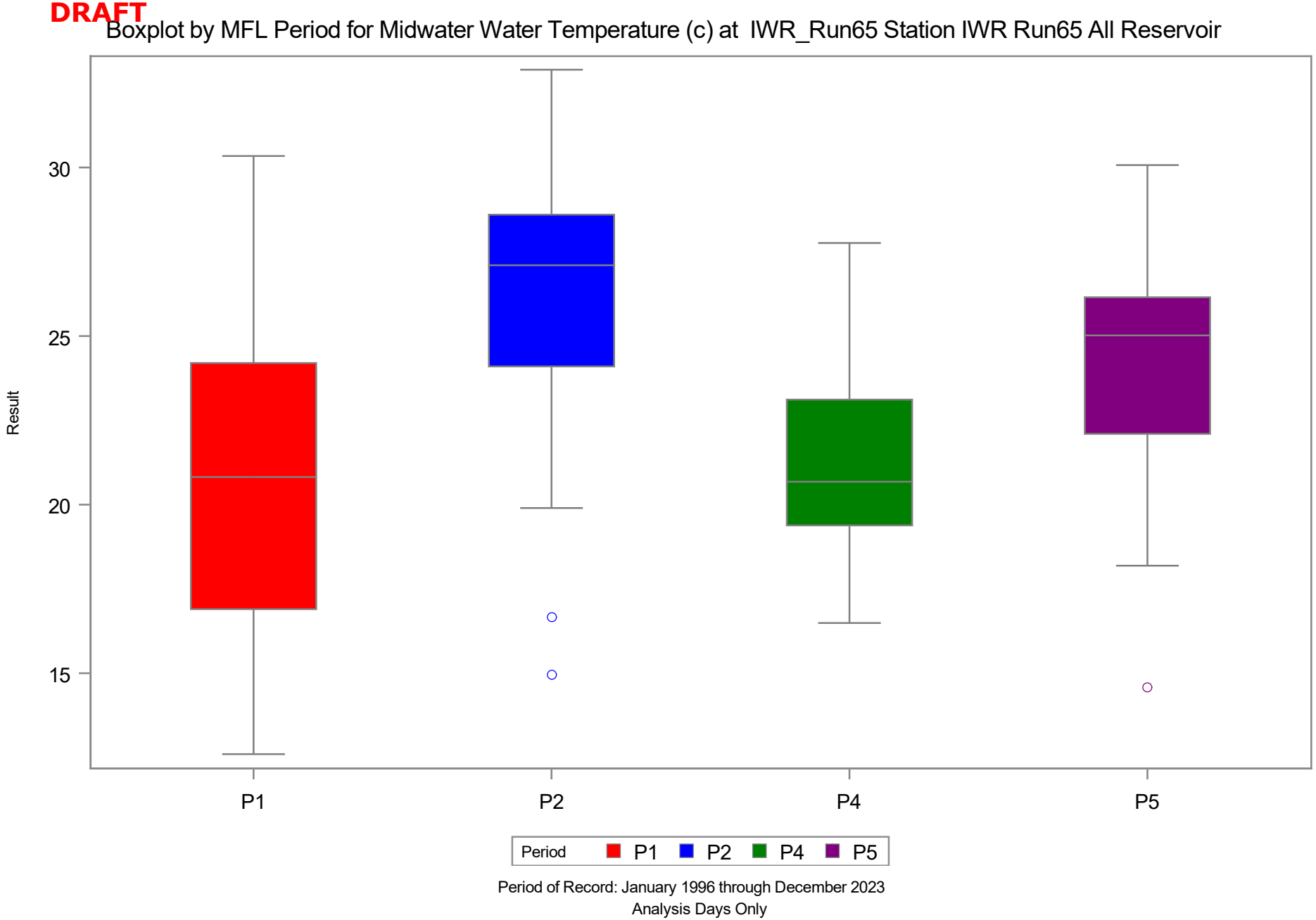
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir

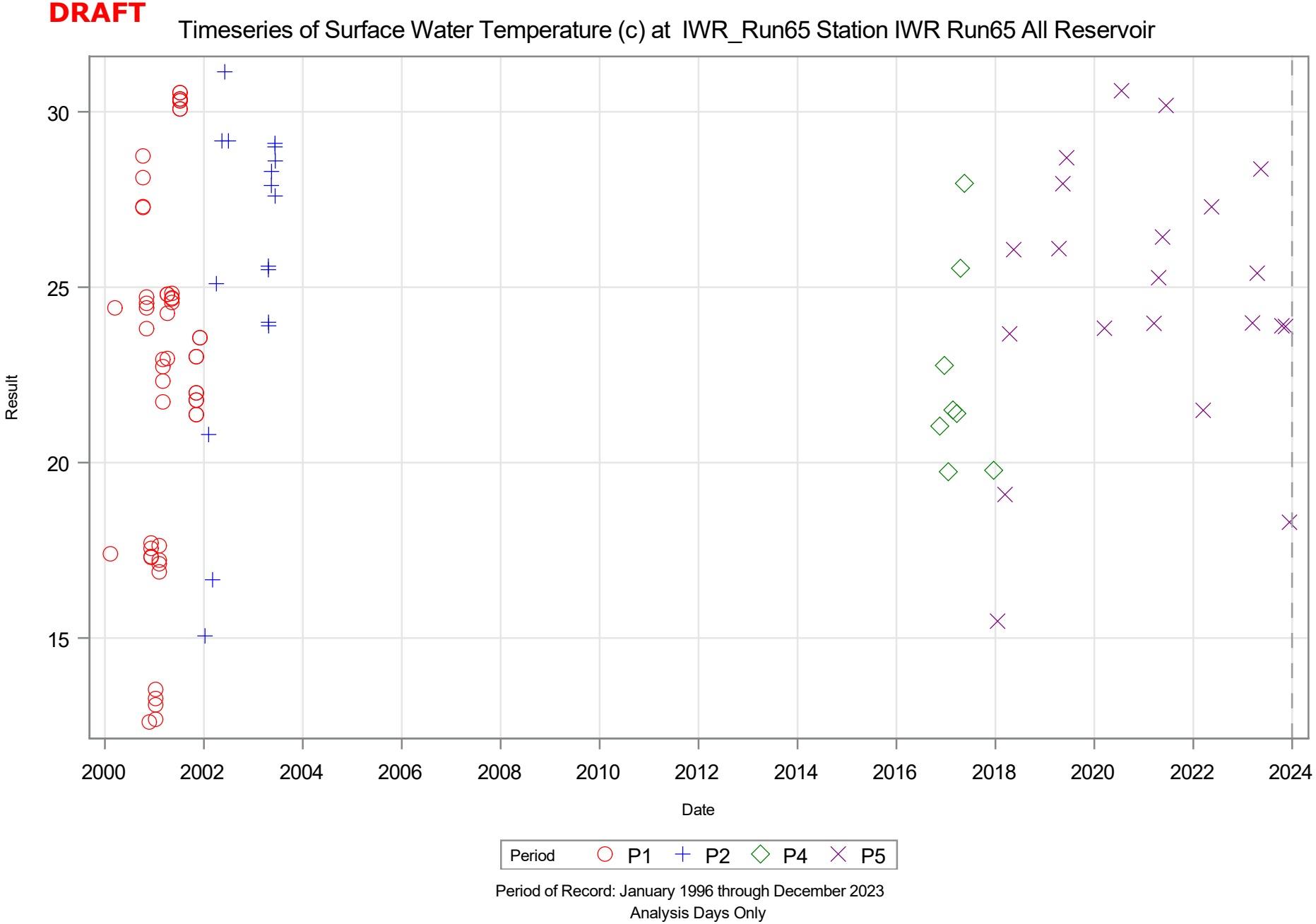
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	35	12.60	16.90	20.58	20.82	24.20	30.34
P2	586	14.96	24.10	26.34	27.10	28.60	32.90
P4	8	16.49	19.39	21.33	20.68	23.12	27.76
P5	21	14.59	22.10	24.09	25.02	26.15	30.07

Period of Record: January 1996 through December 2023
Analysis Days Only

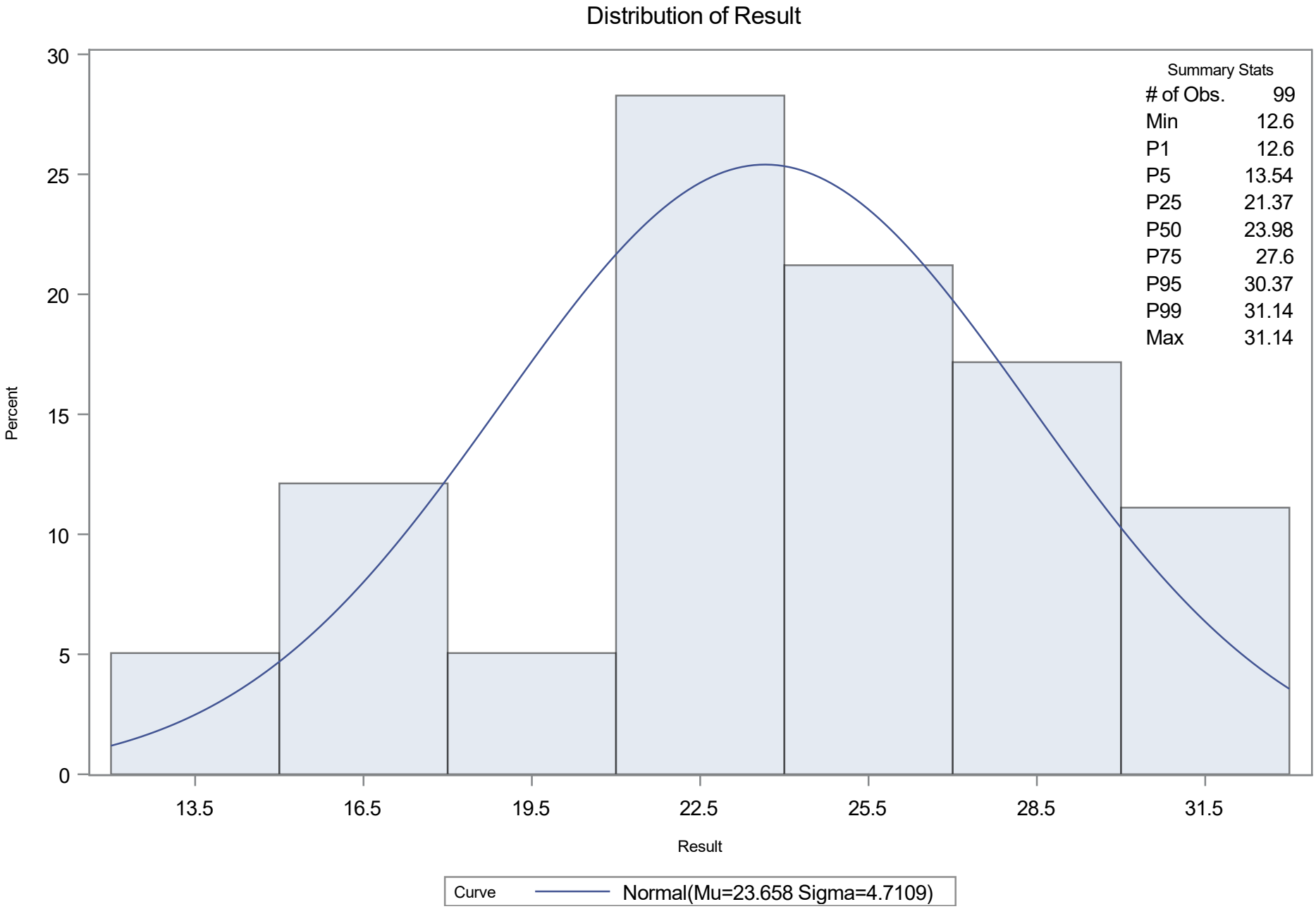
DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir
Result
30
25
20
15
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir
Result
30
25
20
15
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.65848
Std Dev	Sigma	4.710853

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08761994	**Pr > D**	0.061
Cramer-von Mises	**W-Sq**	0.15671321	**Pr > W-Sq**	0.020
Anderson-Darling	**A-Sq**	1.10792296	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.6000	12.6994
5.0	13.5400	15.9098
10.0	17.1100	17.6213
25.0	21.3700	20.4811
50.0	23.9800	23.6585
75.0	27.6000	26.8359
90.0	30.0700	29.6957
95.0	30.3700	31.4071
99.0	31.1400	34.6176

Period of Record: January 1996 through December 2023
Analysis Days Only

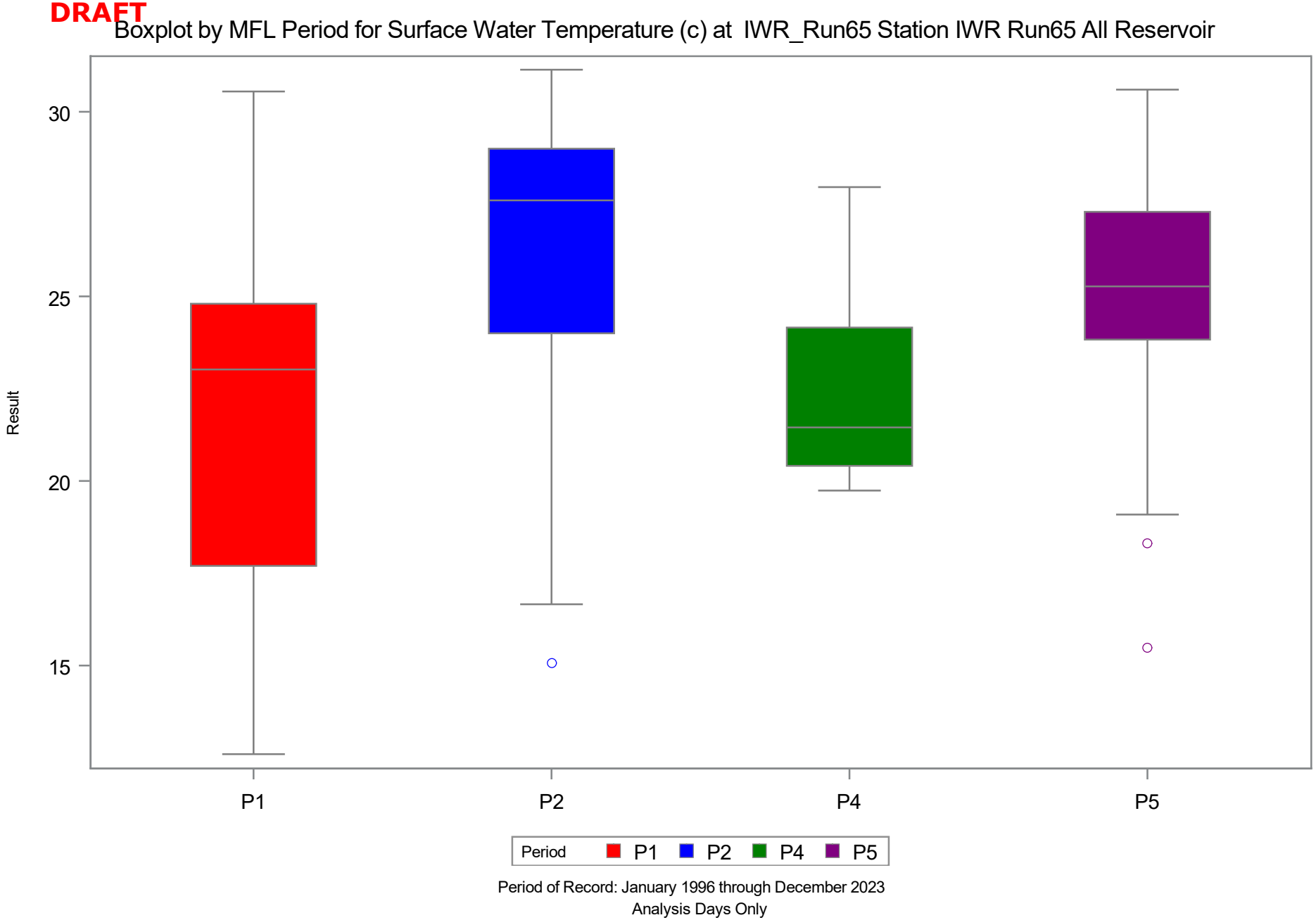
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir

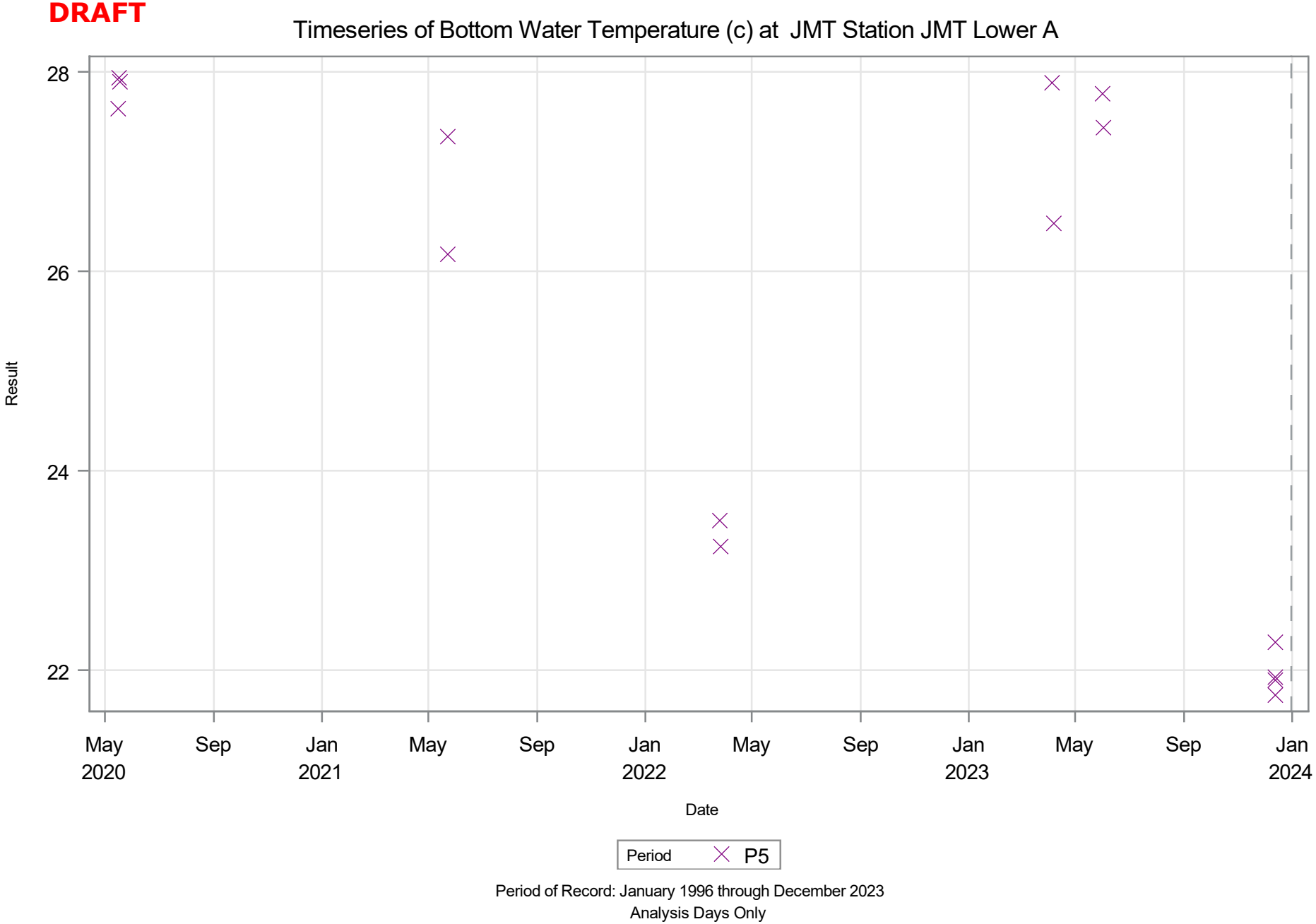
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	53	12.60	17.70	22.75	23.02	24.80	30.55
P2	17	15.06	24.00	25.68	27.60	29.00	31.14
P4	8	19.74	20.41	22.47	21.45	24.16	27.96
P5	21	15.48	23.83	24.76	25.27	27.29	30.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at IWR_Run65 Station IWR Run65 All Reservoir
Result
30
25
20
15
P1
P2
P4
P5
Period
P1
P2
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

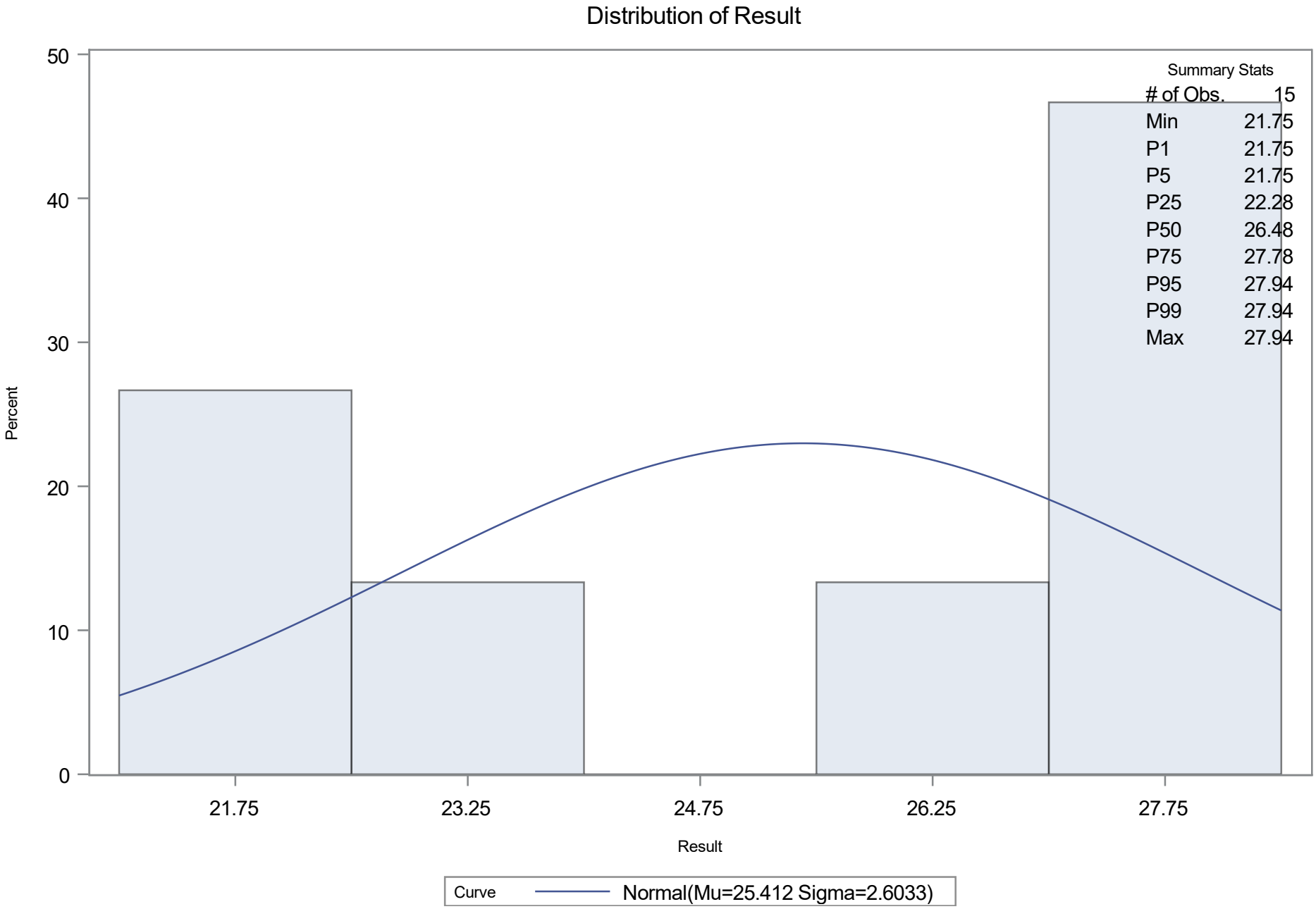
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.412
Std Dev	Sigma	2.603345

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23835757	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.21365456	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.26398460	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.7500	19.3557
5.0	21.7500	21.1299
10.0	21.9000	22.0757
25.0	22.2800	23.6561
50.0	26.4800	25.4120
75.0	27.7800	27.1679
90.0	27.9000	28.7483
95.0	27.9400	29.6941
99.0	27.9400	31.4683

Period of Record: January 1996 through December 2023
Analysis Days Only

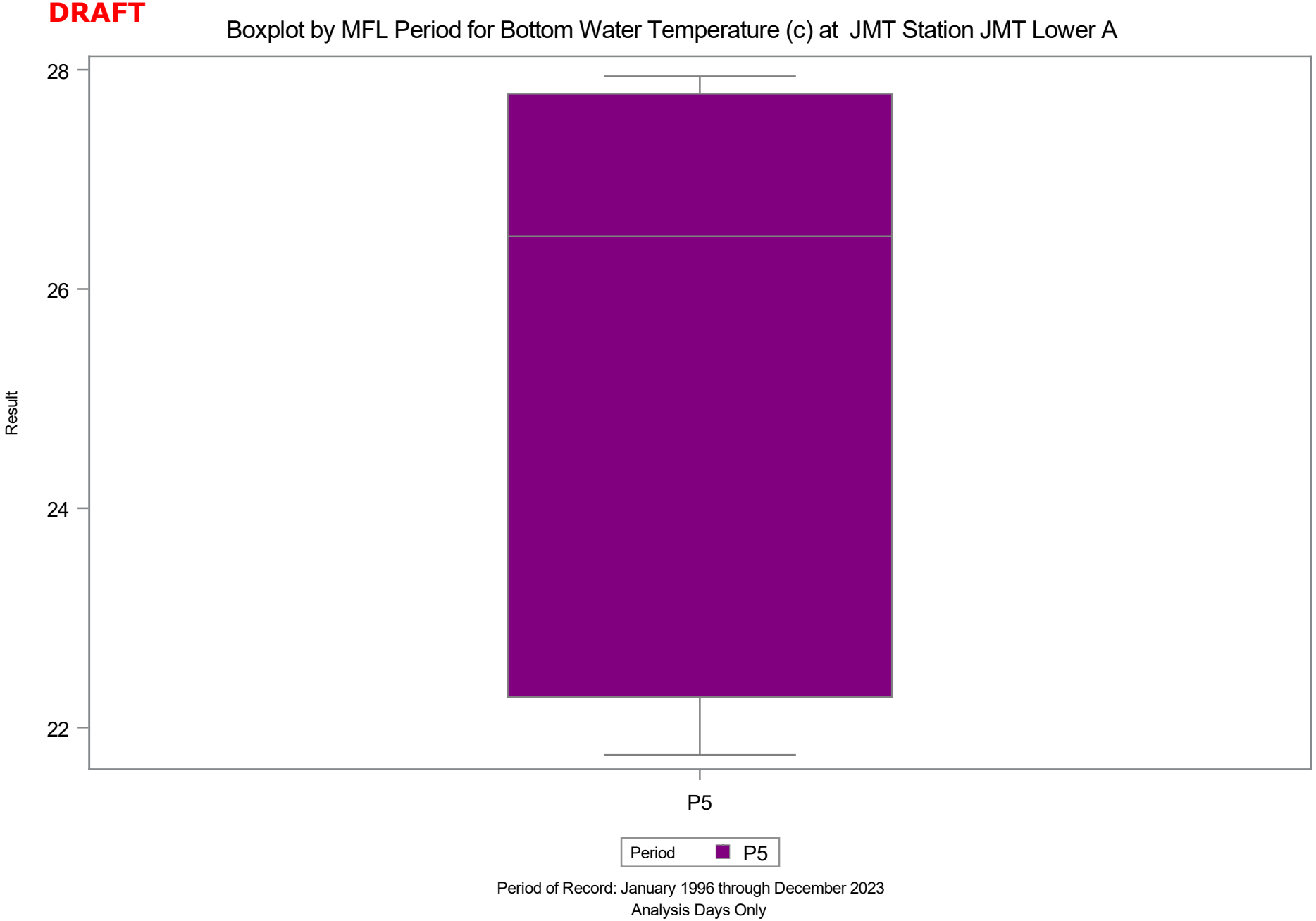
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Lower A

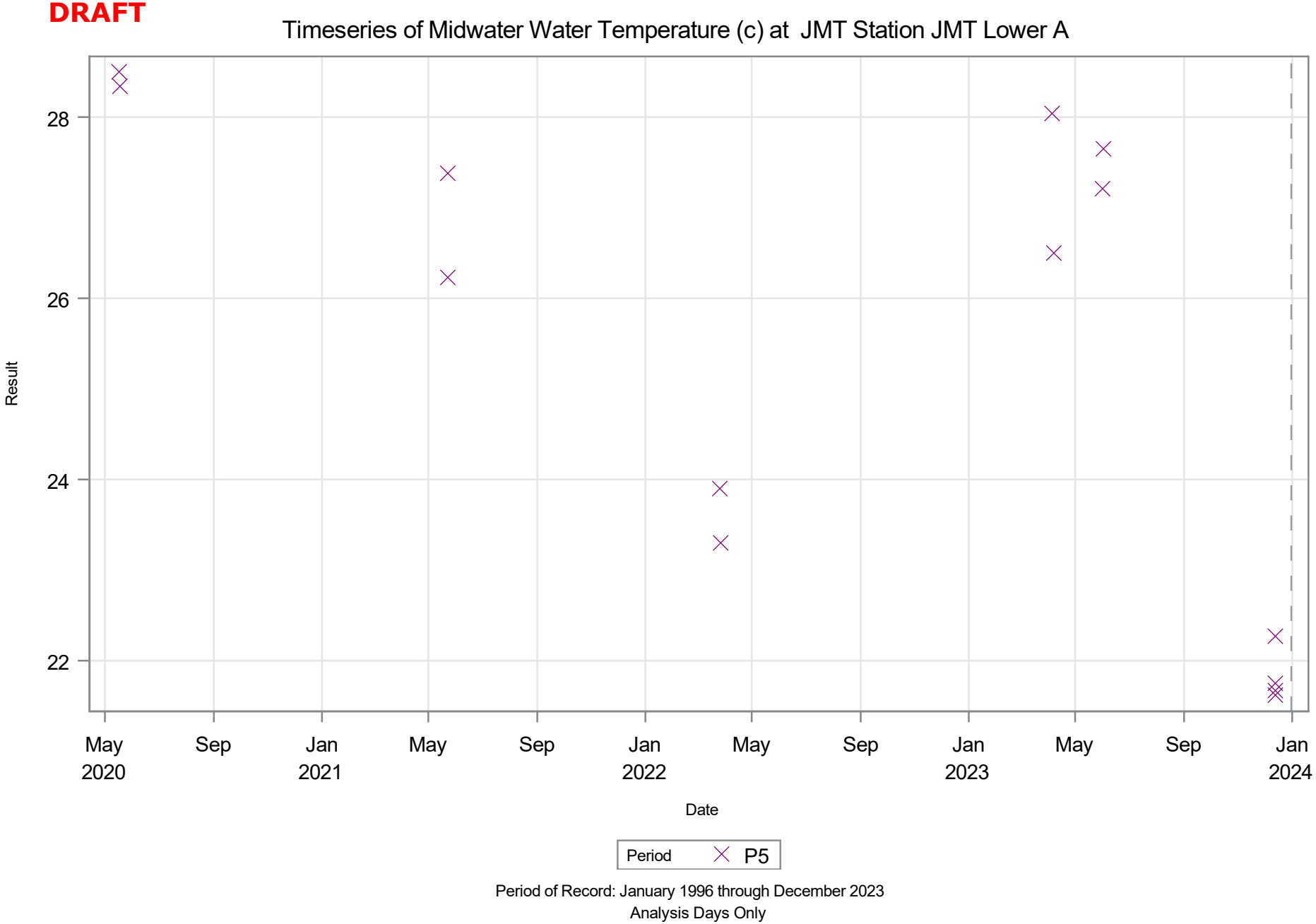
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	21.75	22.28	25.41	26.48	27.78	27.94

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

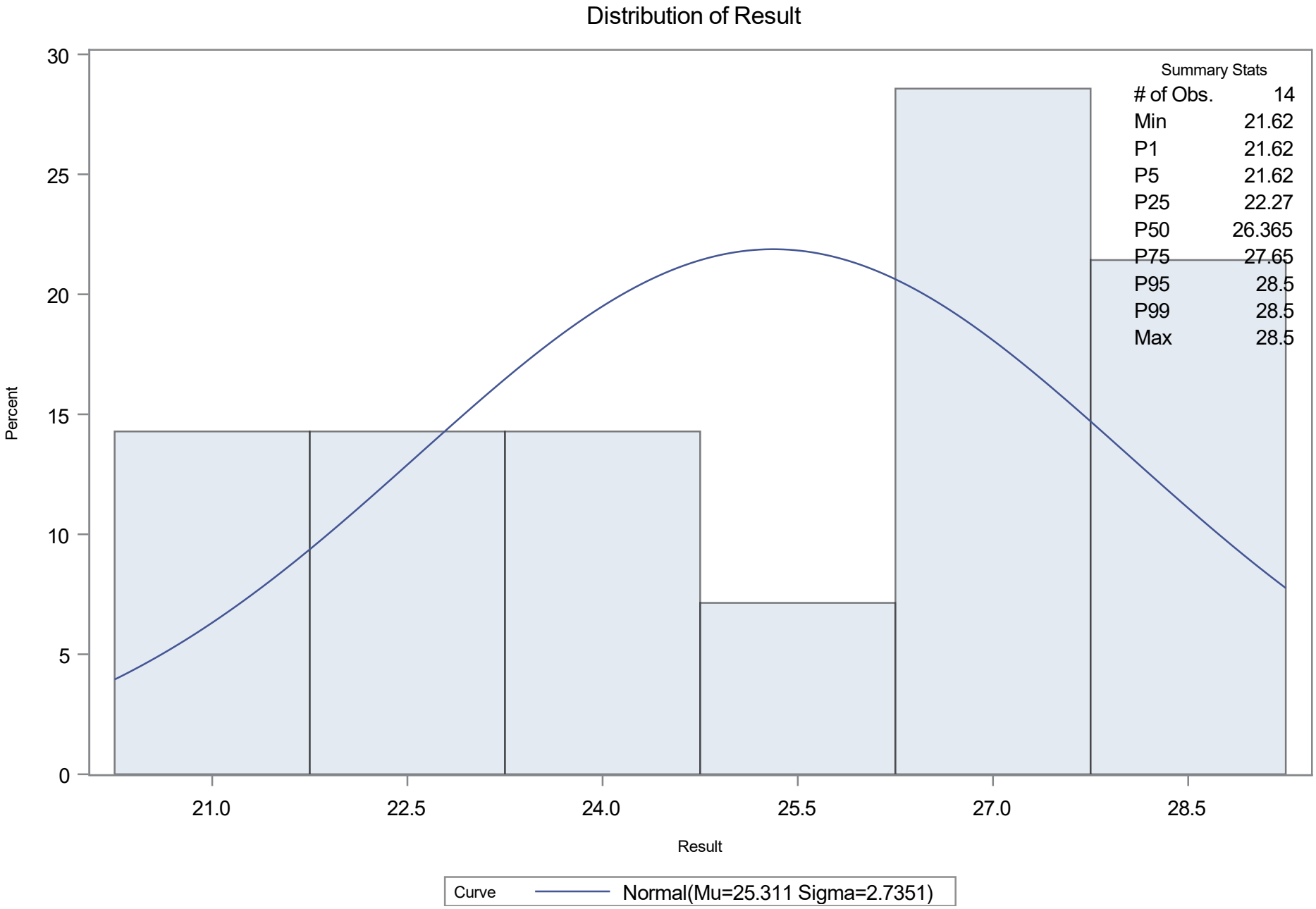

Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Lower A
28
26
24
22
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at JMT Station JMT Lower A
Result
28
26
24
22
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.31143
Std Dev	Sigma	2.735127

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20293368	**Pr > D**	0.118
Cramer-von Mises	**W-Sq**	0.13411786	**Pr > W-Sq**	0.035
Anderson-Darling	**A-Sq**	0.81302743	**Pr > A-Sq**	0.026

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.6200	18.9486
5.0	21.6200	20.8125
10.0	21.6700	21.8062
25.0	22.2700	23.4666
50.0	26.3650	25.3114
75.0	27.6500	27.1562
90.0	28.3400	28.8166
95.0	28.5000	29.8103
99.0	28.5000	31.6743

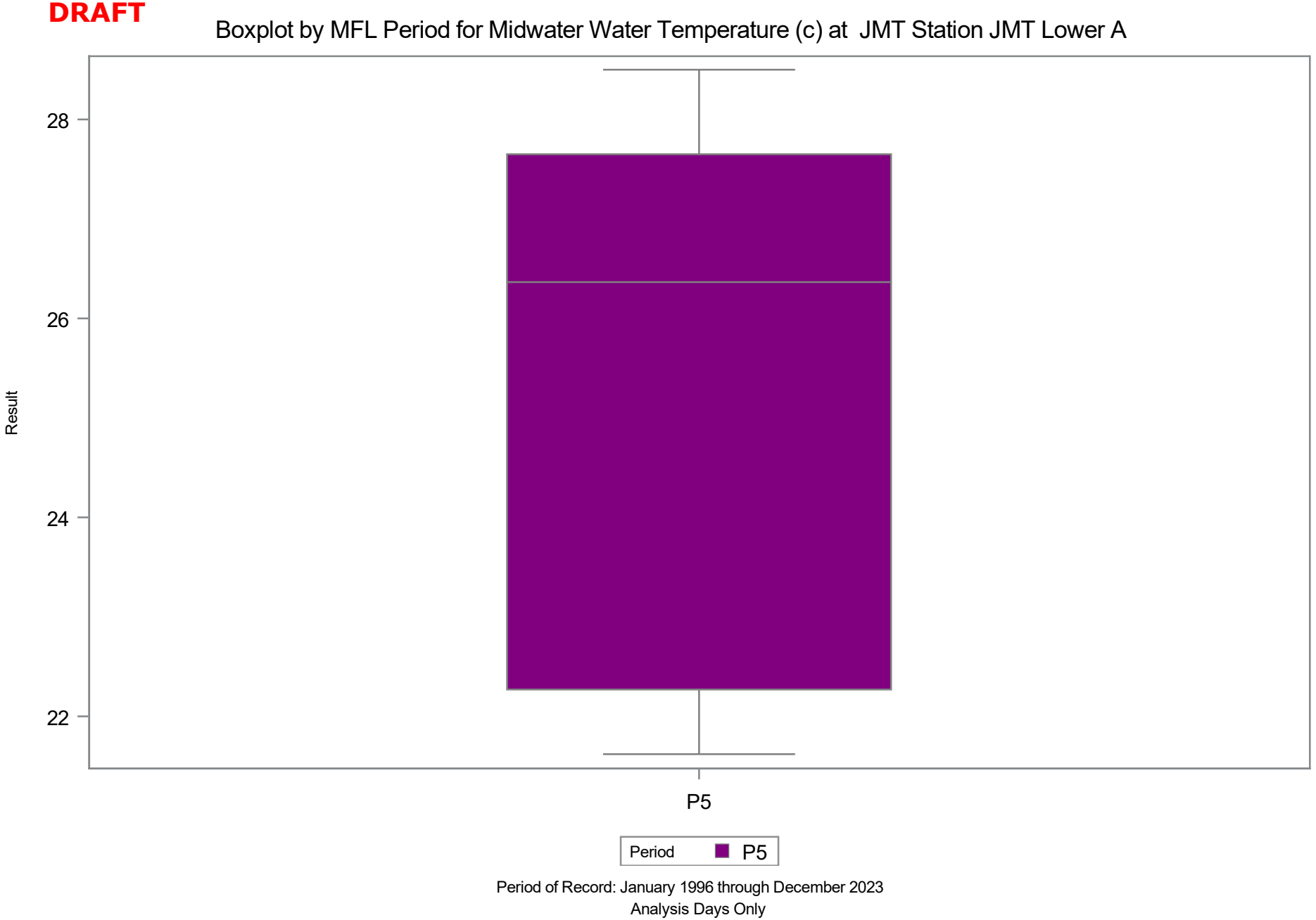
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Lower A**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	21.62	22.27	25.31	26.37	27.65	28.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Lower A
28
26
24
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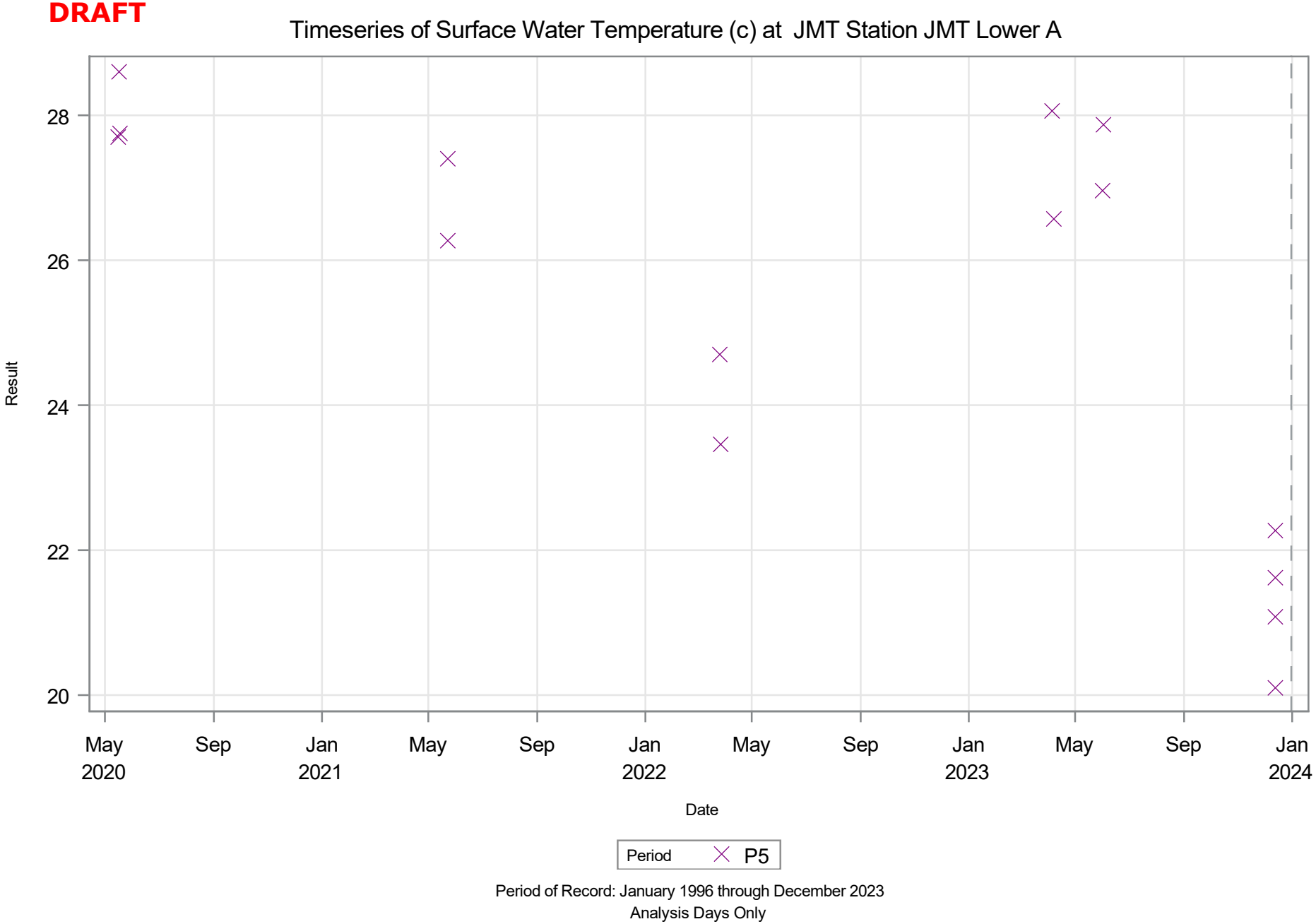
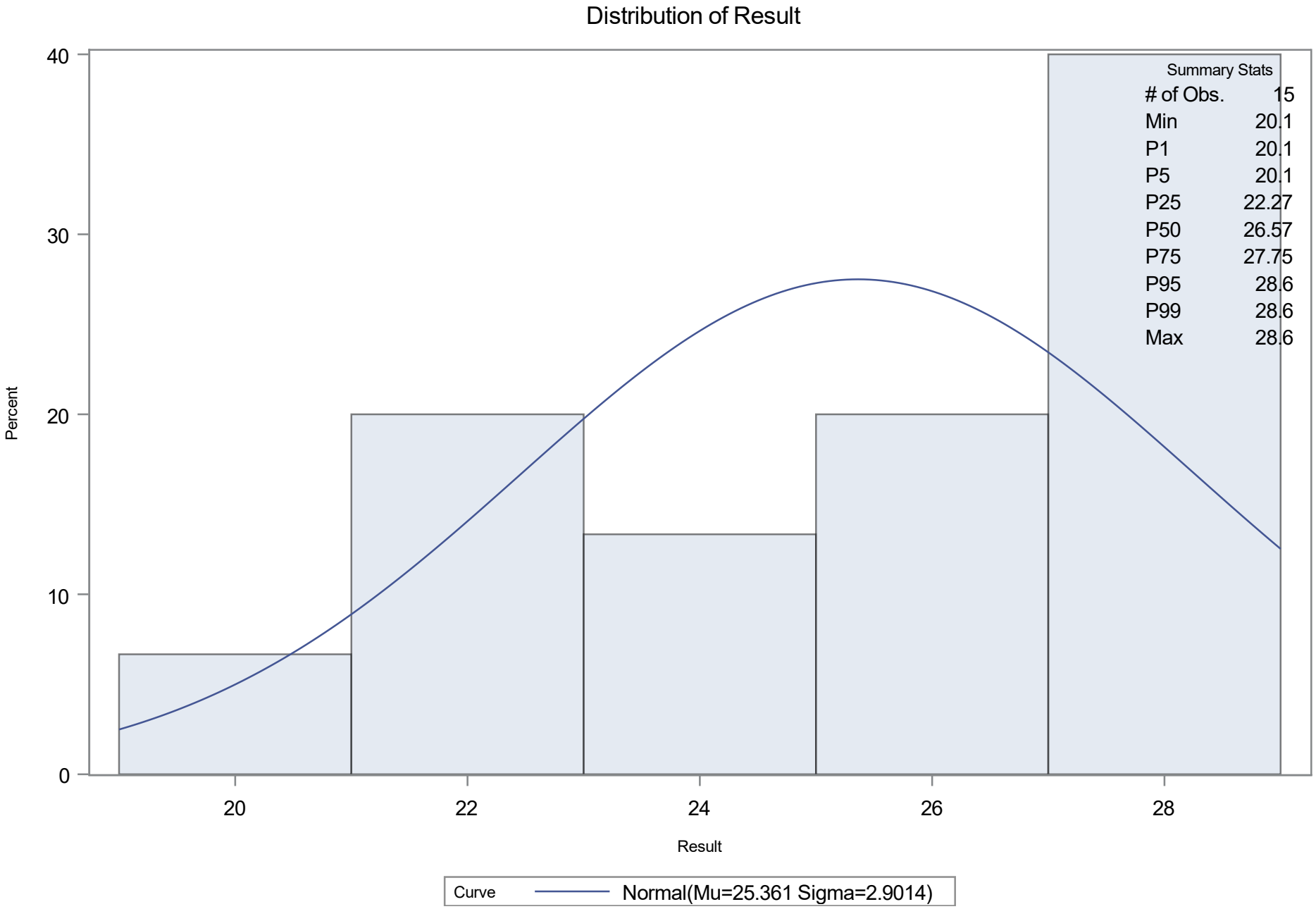
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Lower A
Result
28
26
24
22
20
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Lower A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Lower A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.36067
Std Dev	Sigma	2.901434

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22301473	**Pr > D**	0.044
Cramer-von Mises	**W-Sq**	0.14631780	**Pr > W-Sq**	0.023
Anderson-Darling	**A-Sq**	0.83063819	**Pr > A-Sq**	0.024

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.1000	18.6109
5.0	20.1000	20.5882
10.0	21.0800	21.6423
25.0	22.2700	23.4037
50.0	26.5700	25.3607
75.0	27.7500	27.3177
90.0	28.0600	29.0790
95.0	28.6000	30.1331
99.0	28.6000	32.1104

Period of Record: January 1996 through December 2023
Analysis Days Only

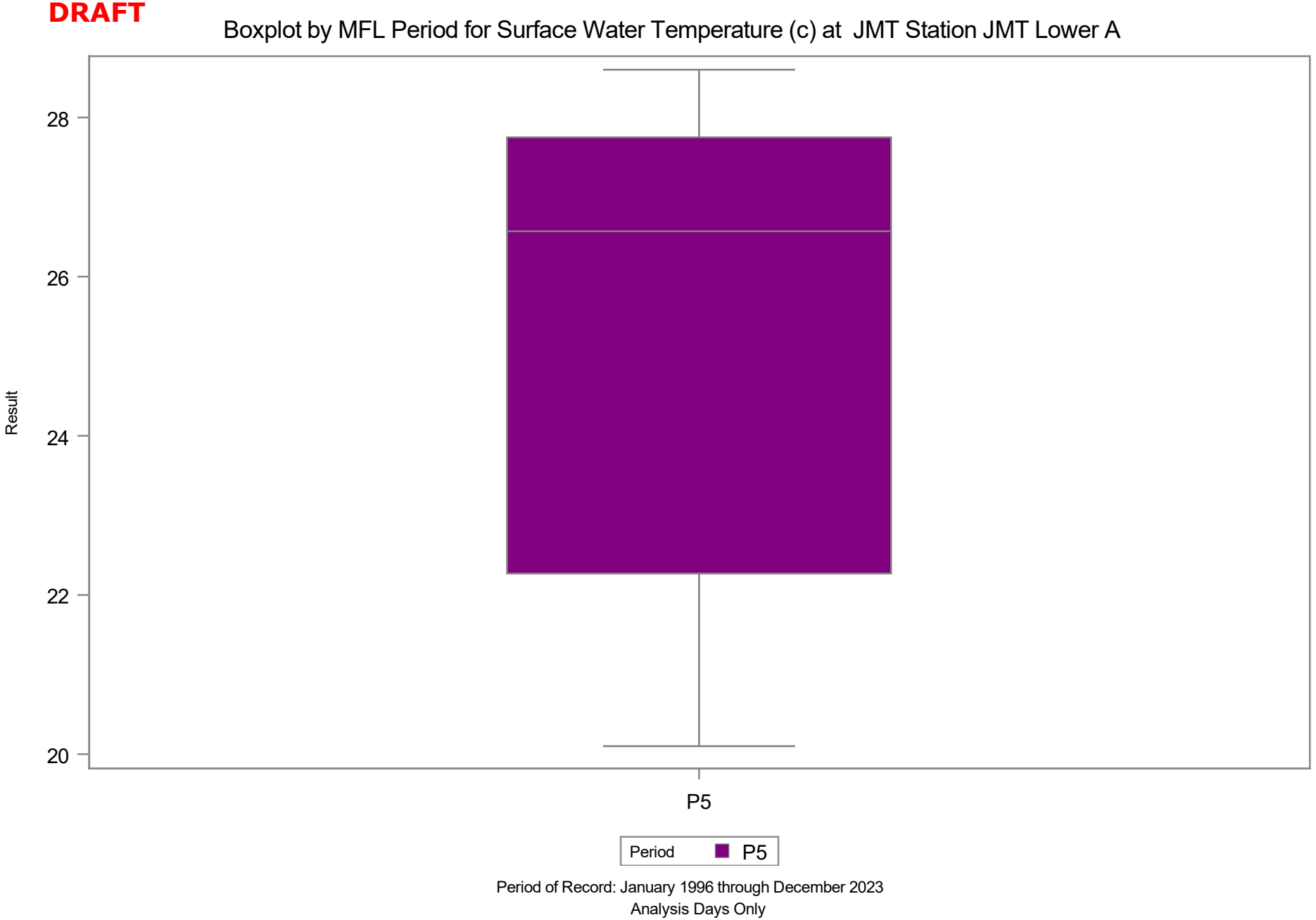
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Lower A

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	15	20.10	22.27	25.36	26.57	27.75	28.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Lower A
Result
28
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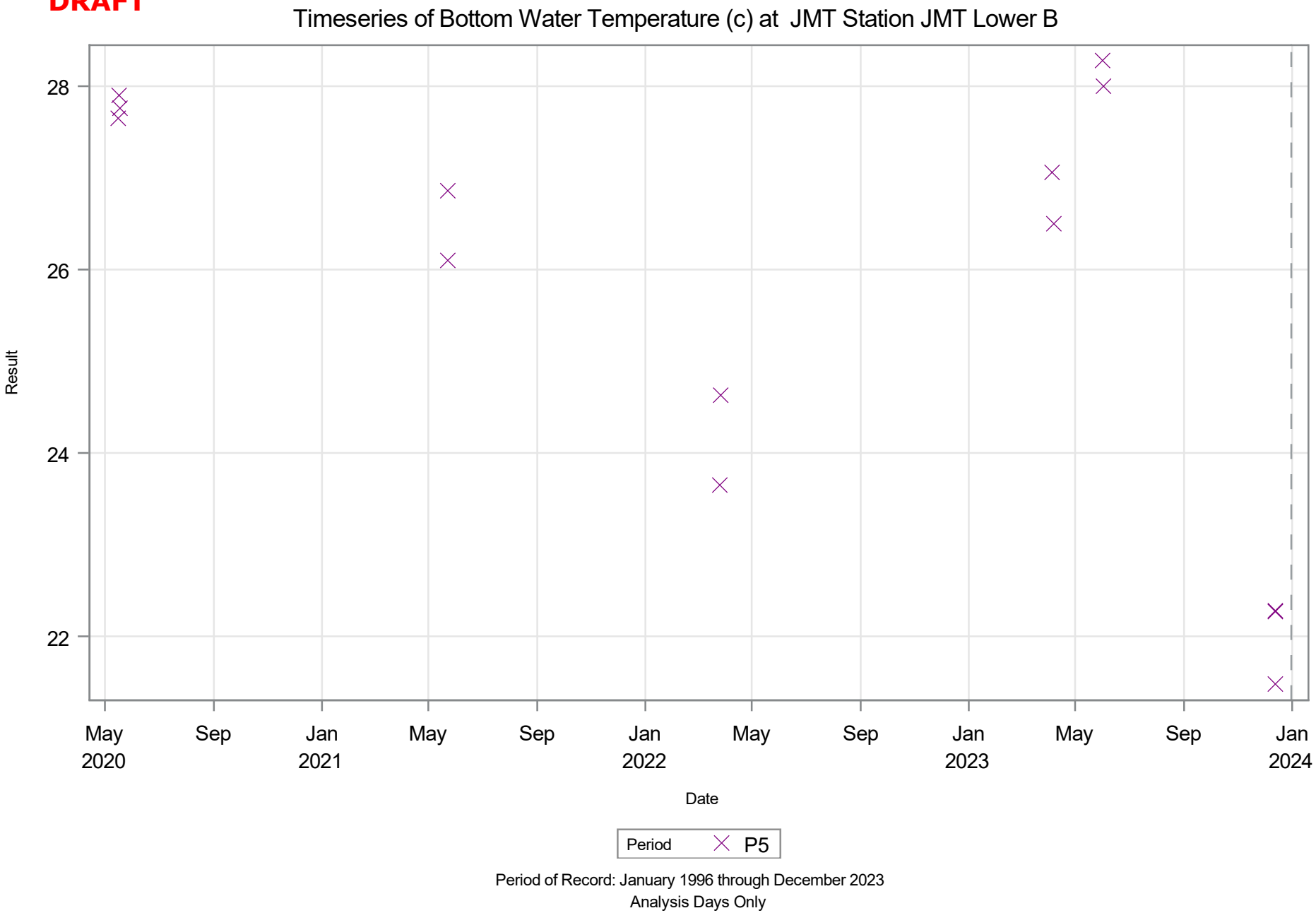
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at JMT Station JMT Lower B
Result
28
26
24
22
May 2020
Sep
Jan 2021
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Jan 2022
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Jan 2023
May
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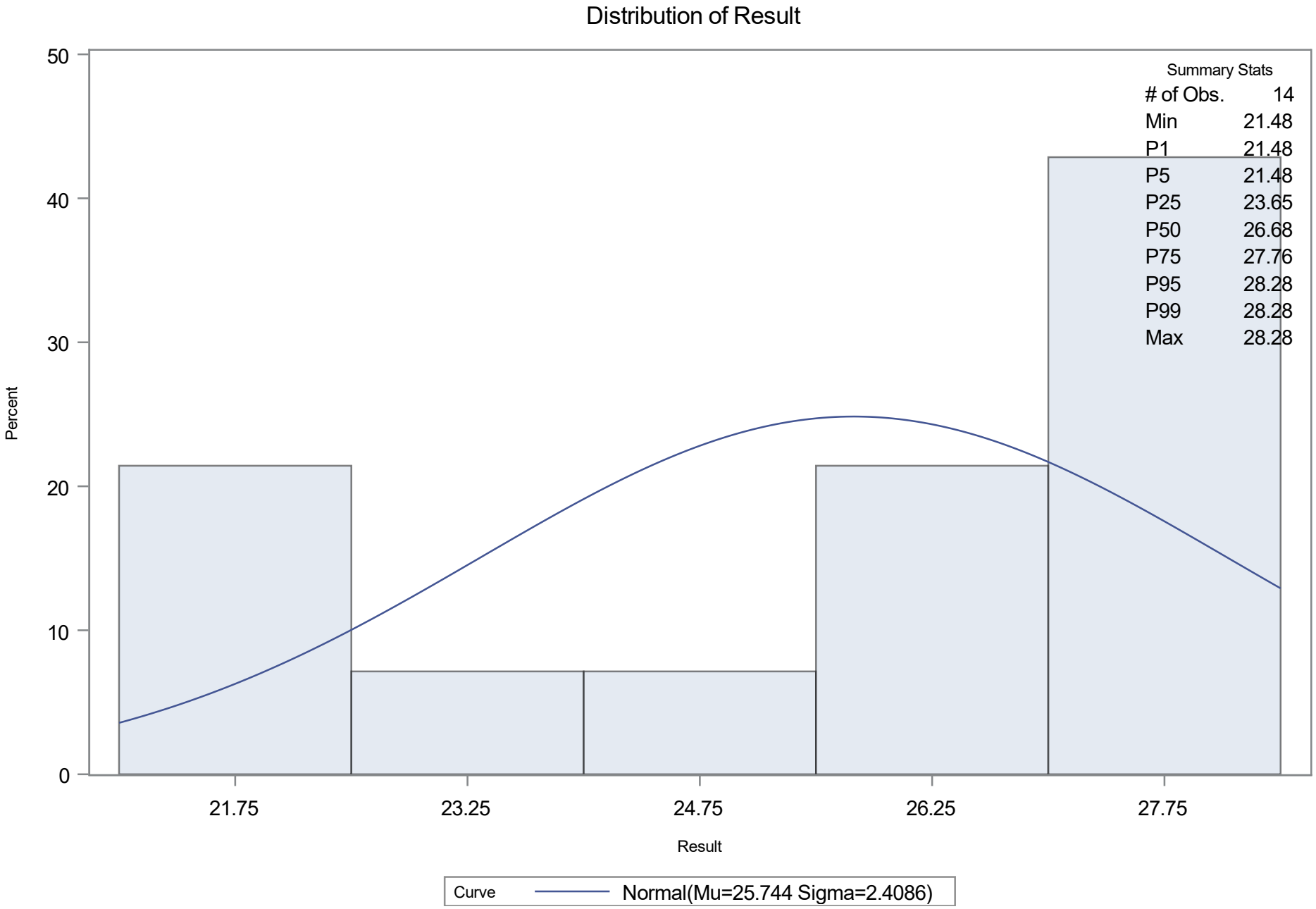
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.74429
Std Dev	Sigma	2.408596

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20156159	**Pr > D**	0.124
Cramer-von Mises	**W-Sq**	0.13484206	**Pr > W-Sq**	0.034
Anderson-Darling	**A-Sq**	0.80054699	**Pr > A-Sq**	0.029

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.4800	20.1411
5.0	21.4800	21.7825
10.0	22.2700	22.6575
25.0	23.6500	24.1197
50.0	26.6800	25.7443
75.0	27.7600	27.3689
90.0	28.0000	28.8310
95.0	28.2800	29.7061
99.0	28.2800	31.3475

Period of Record: January 1996 through December 2023
Analysis Days Only

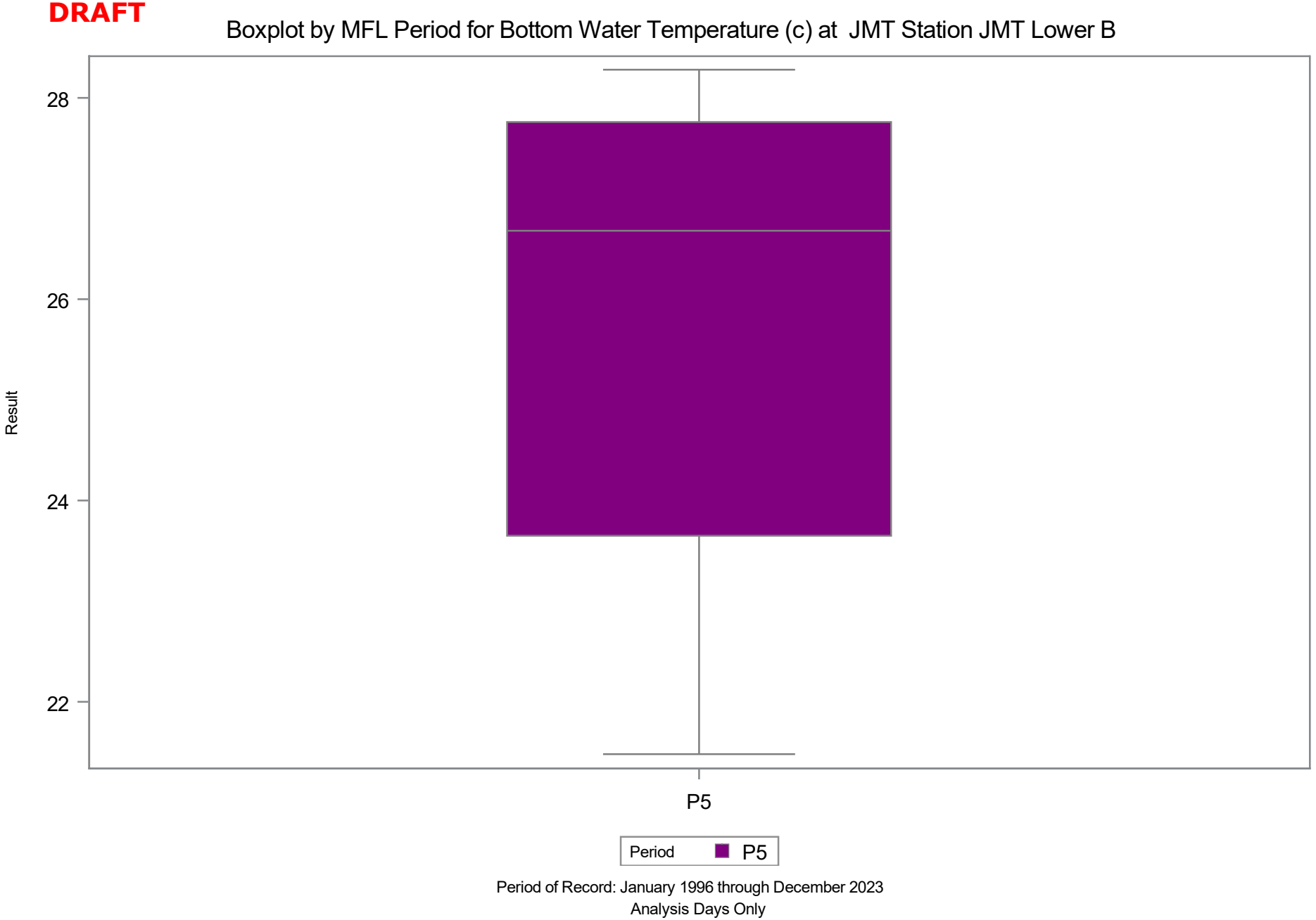
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Lower B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	21.48	23.65	25.74	26.68	27.76	28.28

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Lower B
28
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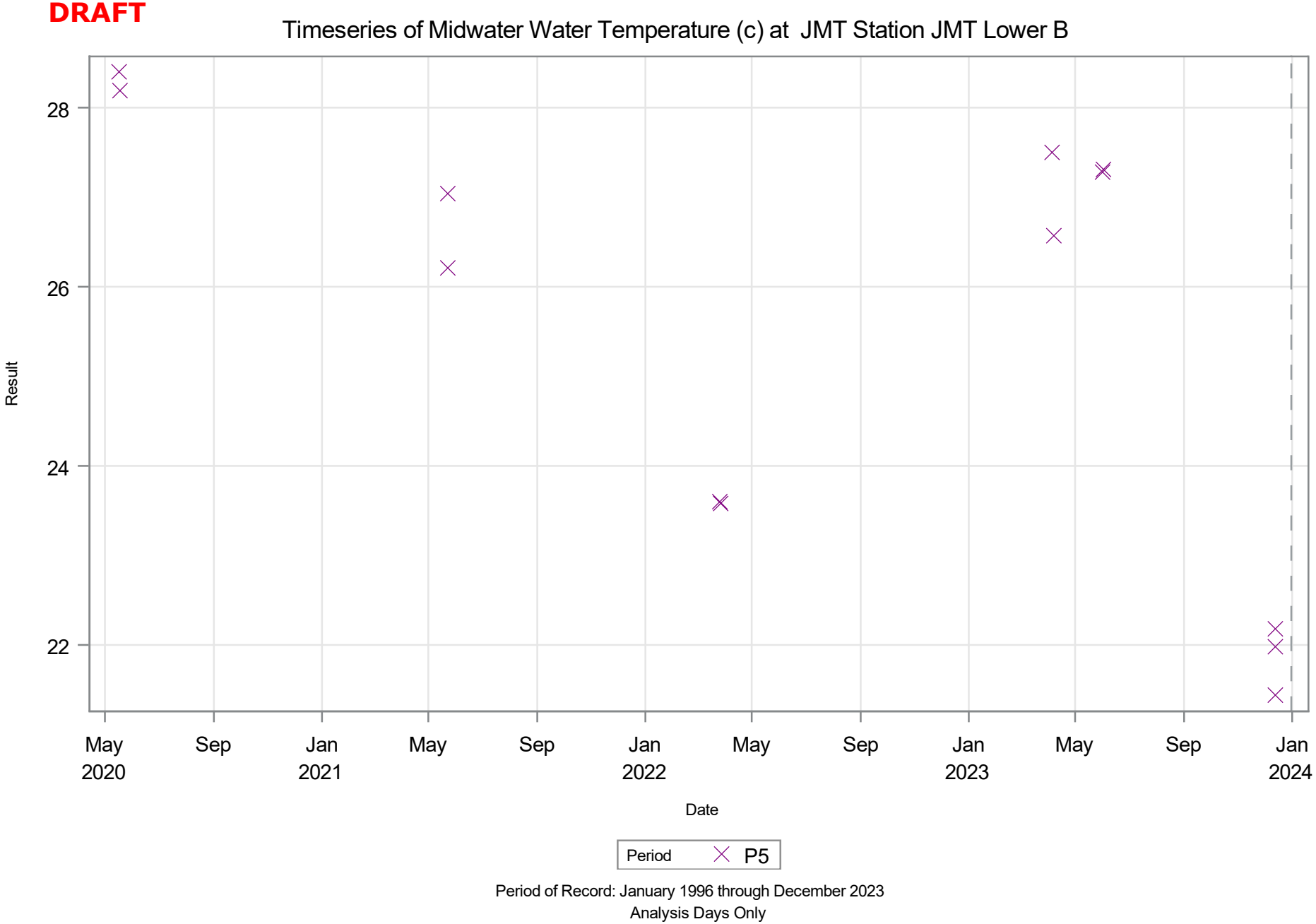
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at JMT Station JMT Lower B
Result
28
26
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22
May 2020
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Jan 2021
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Sep
Jan 2022
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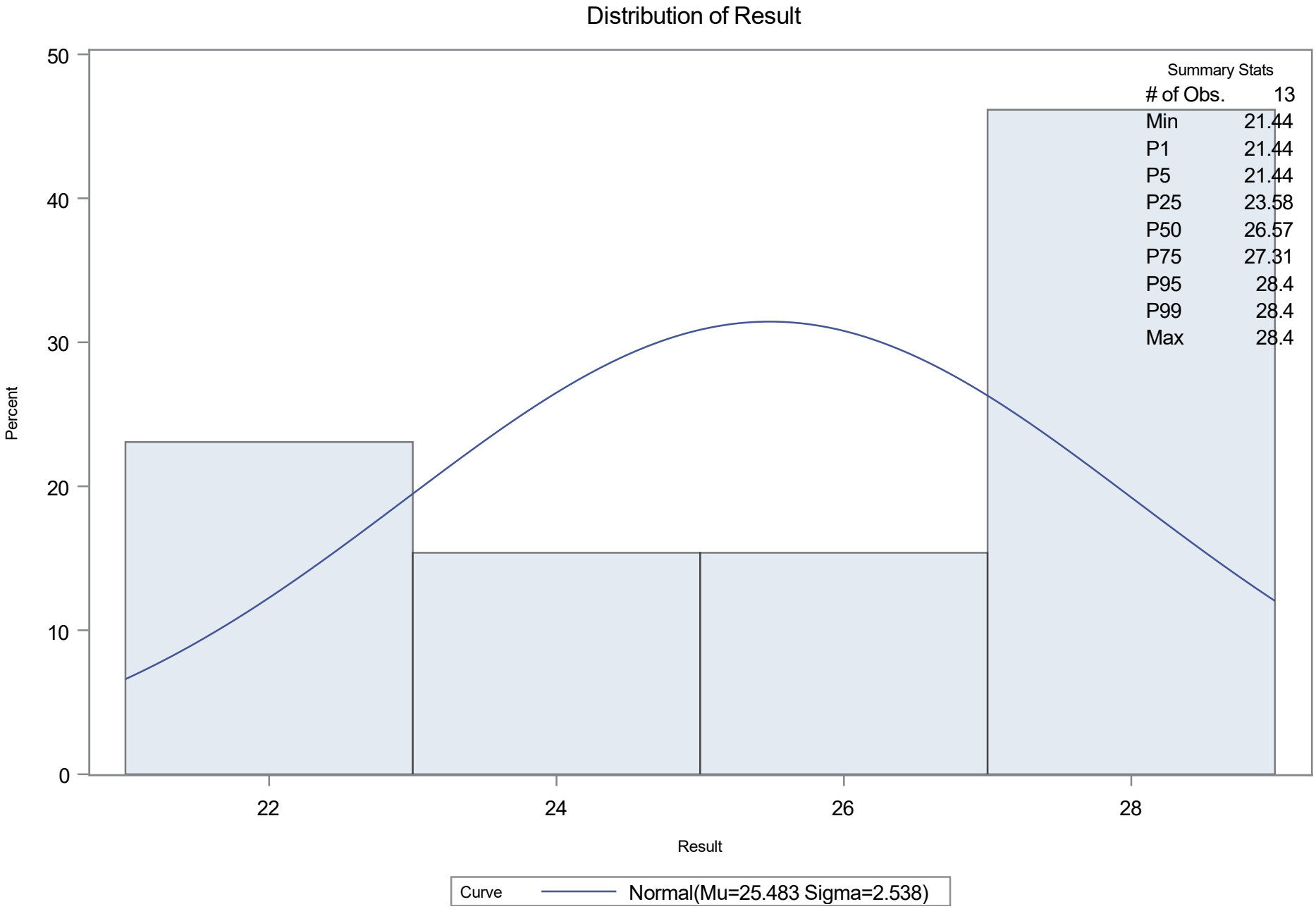
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.48308
Std Dev	Sigma	2.538048

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22810265	**Pr > D**	0.064
Cramer-von Mises	**W-Sq**	0.14056663	**Pr > W-Sq**	0.027
Anderson-Darling	**A-Sq**	0.78020838	**Pr > A-Sq**	0.033

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.4400	19.5787
5.0	21.4400	21.3084
10.0	21.9800	22.2304
25.0	23.5800	23.7712
50.0	26.5700	25.4831
75.0	27.3100	27.1950
90.0	28.1900	28.7357
95.0	28.4000	29.6578
99.0	28.4000	31.3875

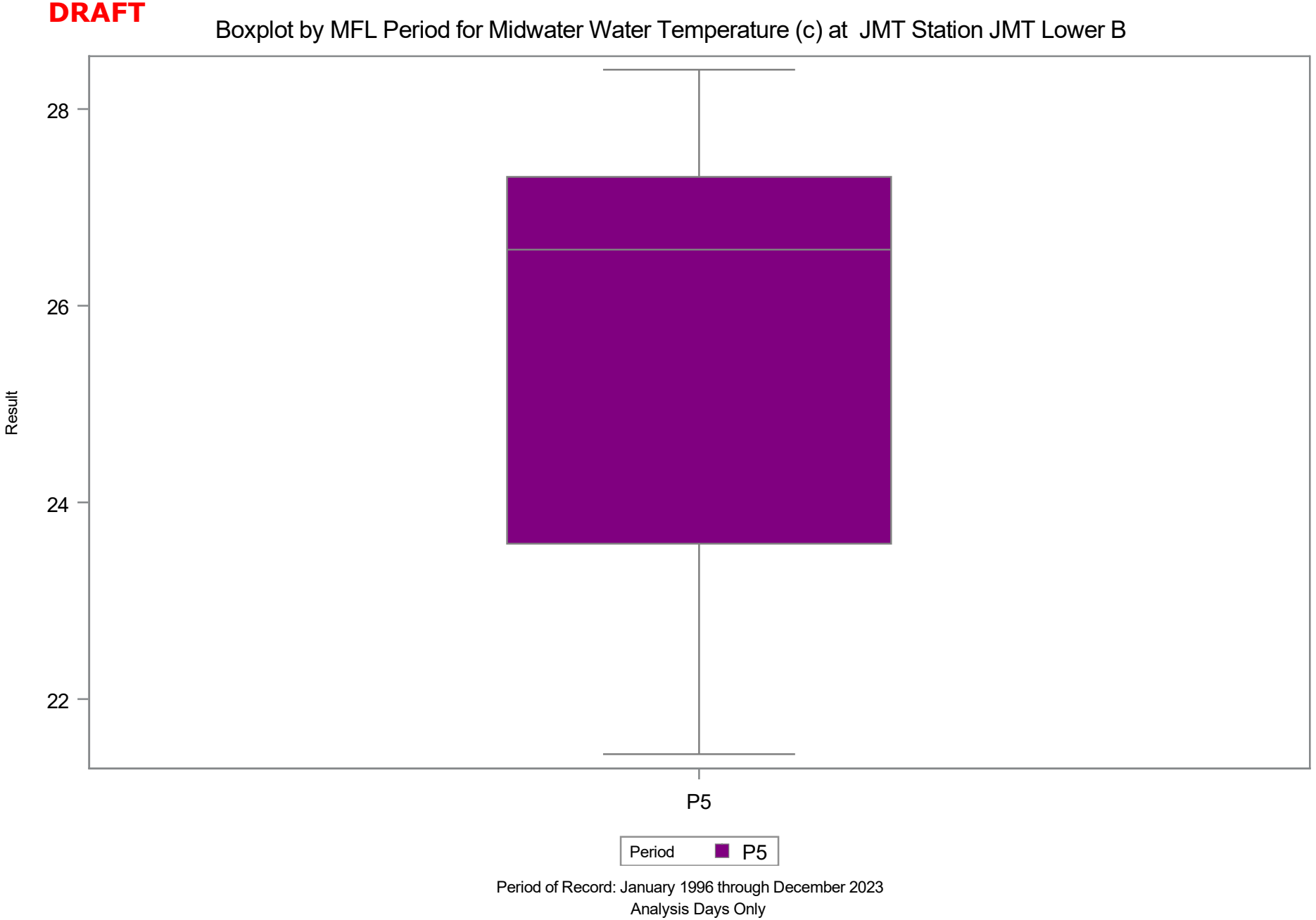
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Lower B**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	21.44	23.58	25.48	26.57	27.31	28.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Lower B
28
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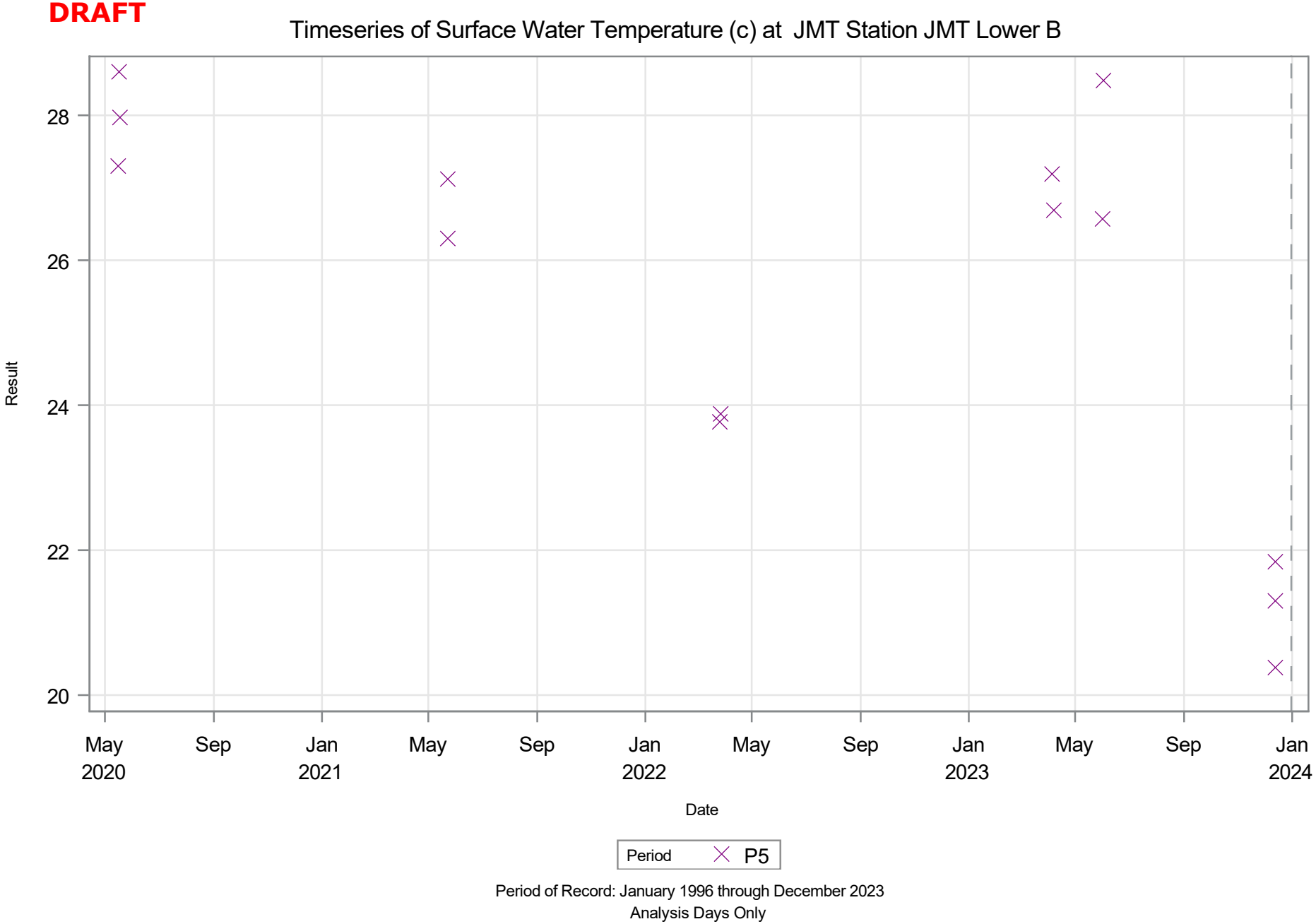
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Lower B
Result
28
26
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May 2020
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Jan 2021
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Jan 2023
May
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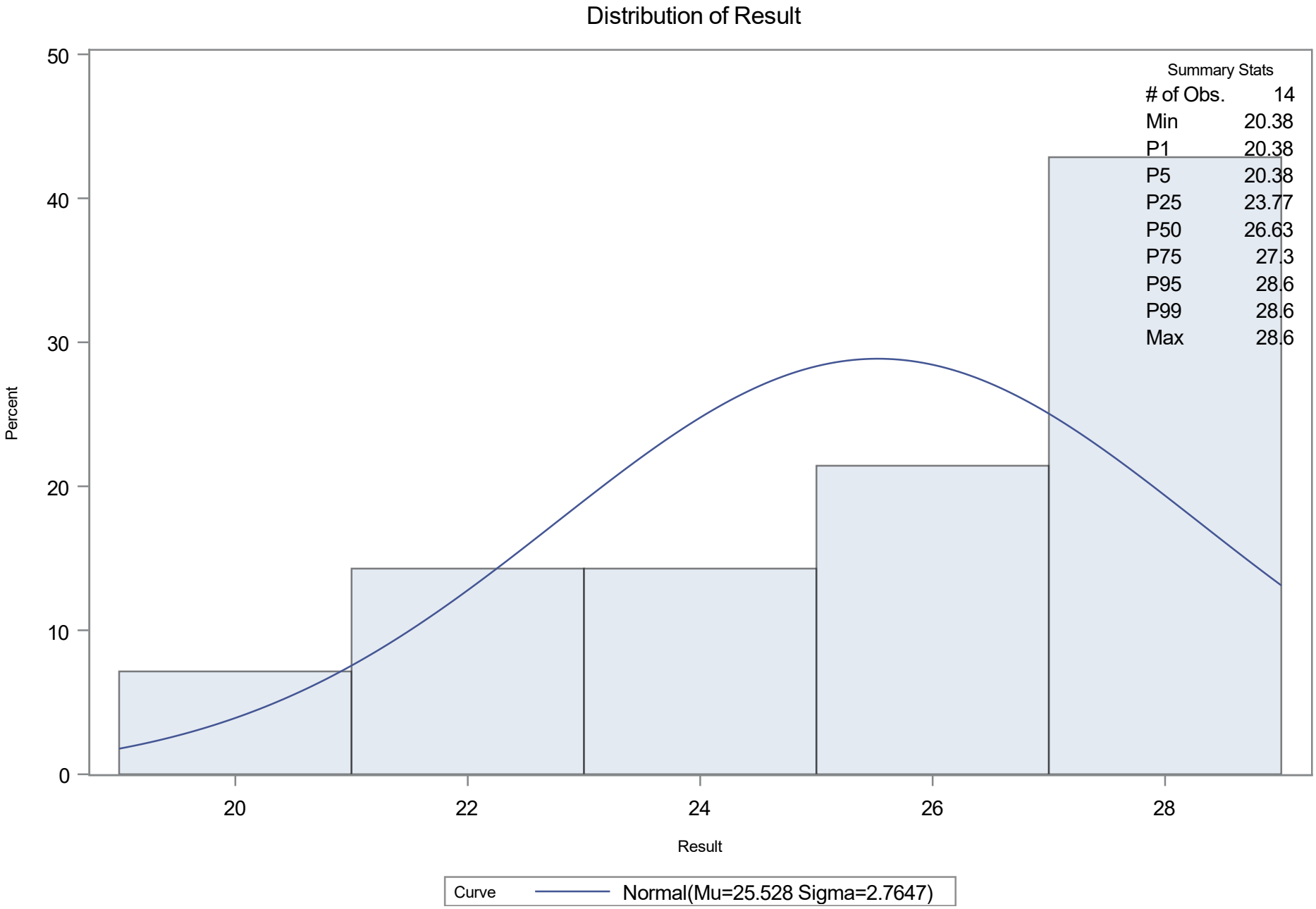
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Lower B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Lower B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.52786
Std Dev	Sigma	2.76474

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25284304	**Pr > D**	0.016
Cramer-von Mises	**W-Sq**	0.13995175	**Pr > W-Sq**	0.028
Anderson-Darling	**A-Sq**	0.76276129	**Pr > A-Sq**	0.038

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.3800	19.0961
5.0	20.3800	20.9803
10.0	21.3000	21.9847
25.0	23.7700	23.6631
50.0	26.6300	25.5279
75.0	27.3000	27.3926
90.0	28.4800	29.0710
95.0	28.6000	30.0754
99.0	28.6000	31.9596

Period of Record: January 1996 through December 2023
Analysis Days Only

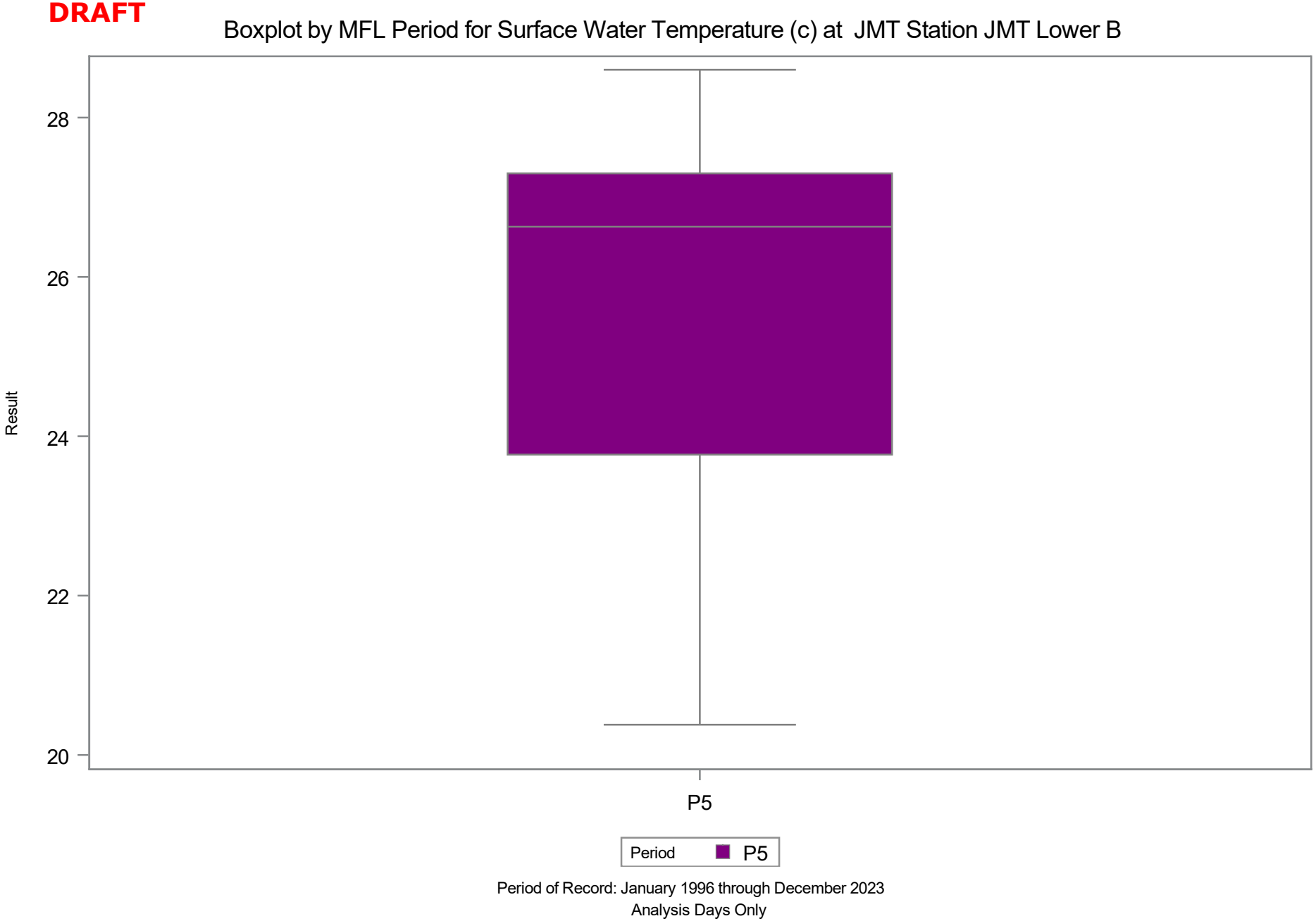
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Lower B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	20.38	23.77	25.53	26.63	27.30	28.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Lower B
Result
28
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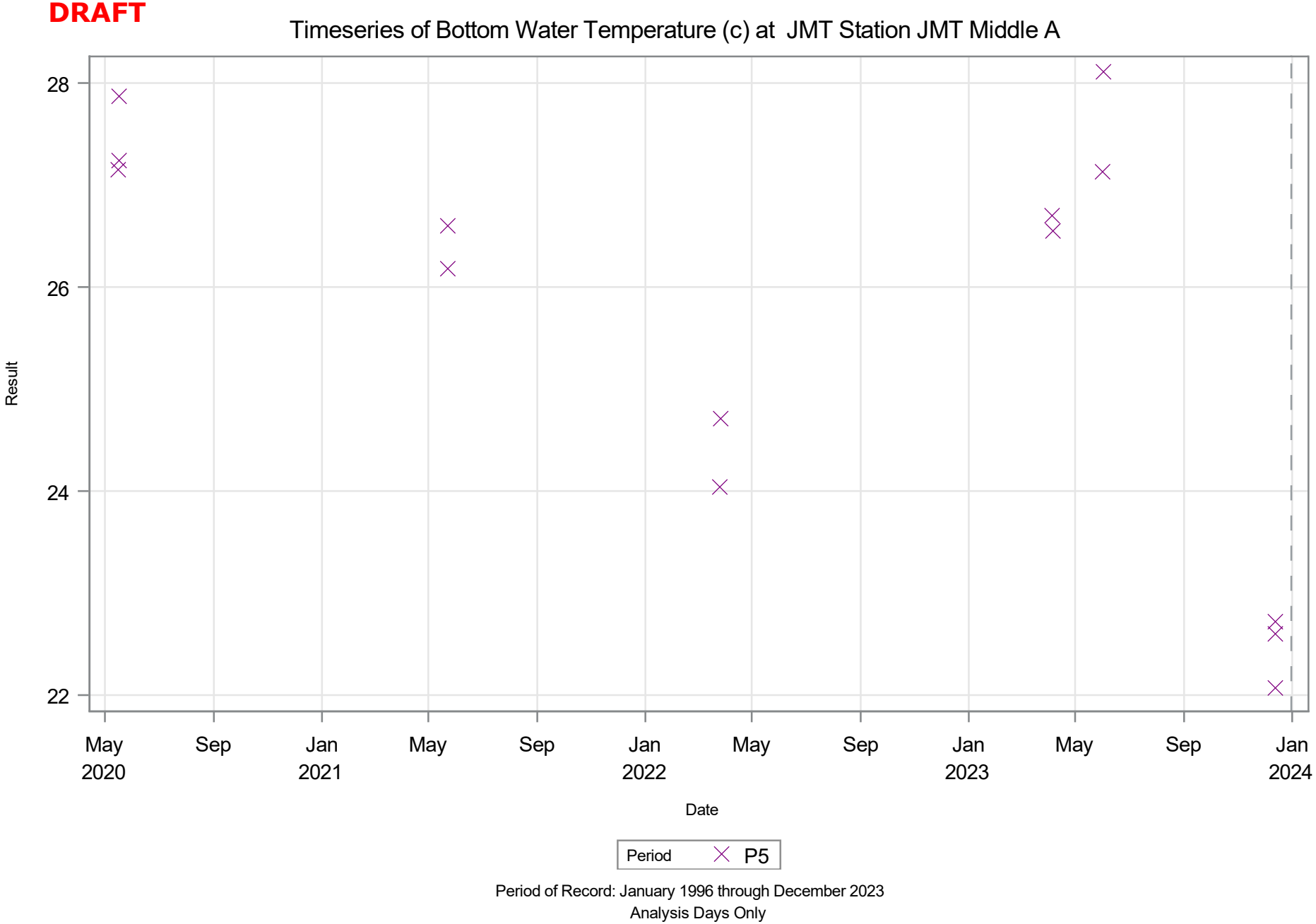
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

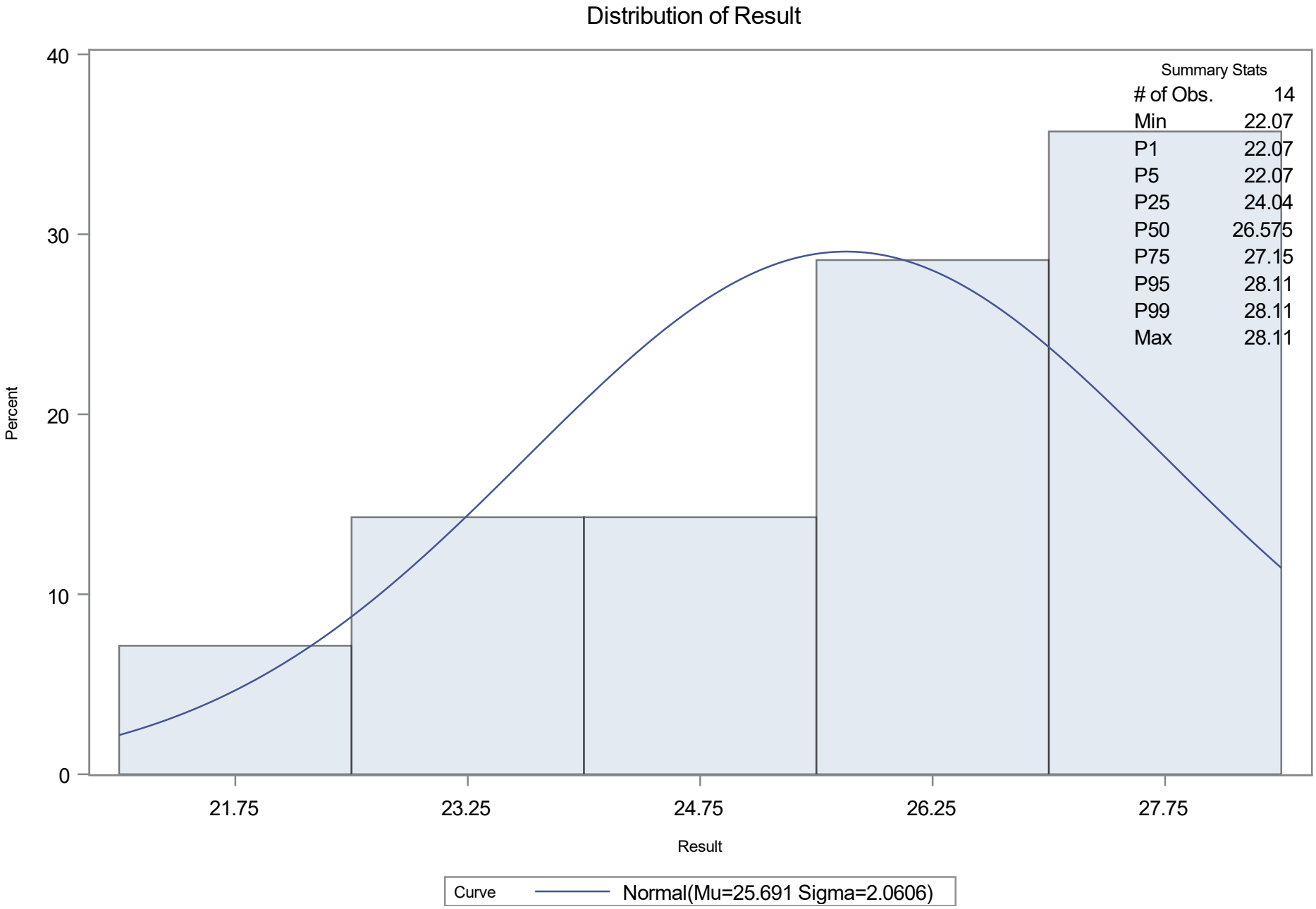
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.69071
Std Dev	Sigma	2.060633

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23670112	**Pr > D**	0.032
Cramer-von Mises	**W-Sq**	0.14109680	**Pr > W-Sq**	0.027
Anderson-Darling	**A-Sq**	0.78850703	**Pr > A-Sq**	0.032

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.0700	20.8970
5.0	22.0700	22.3013
10.0	22.6000	23.0499
25.0	24.0400	24.3008
50.0	26.5750	25.6907
75.0	27.1500	27.0806
90.0	27.8700	28.3315
95.0	28.1100	29.0802
99.0	28.1100	30.4845

Period of Record: January 1996 through December 2023
Analysis Days Only

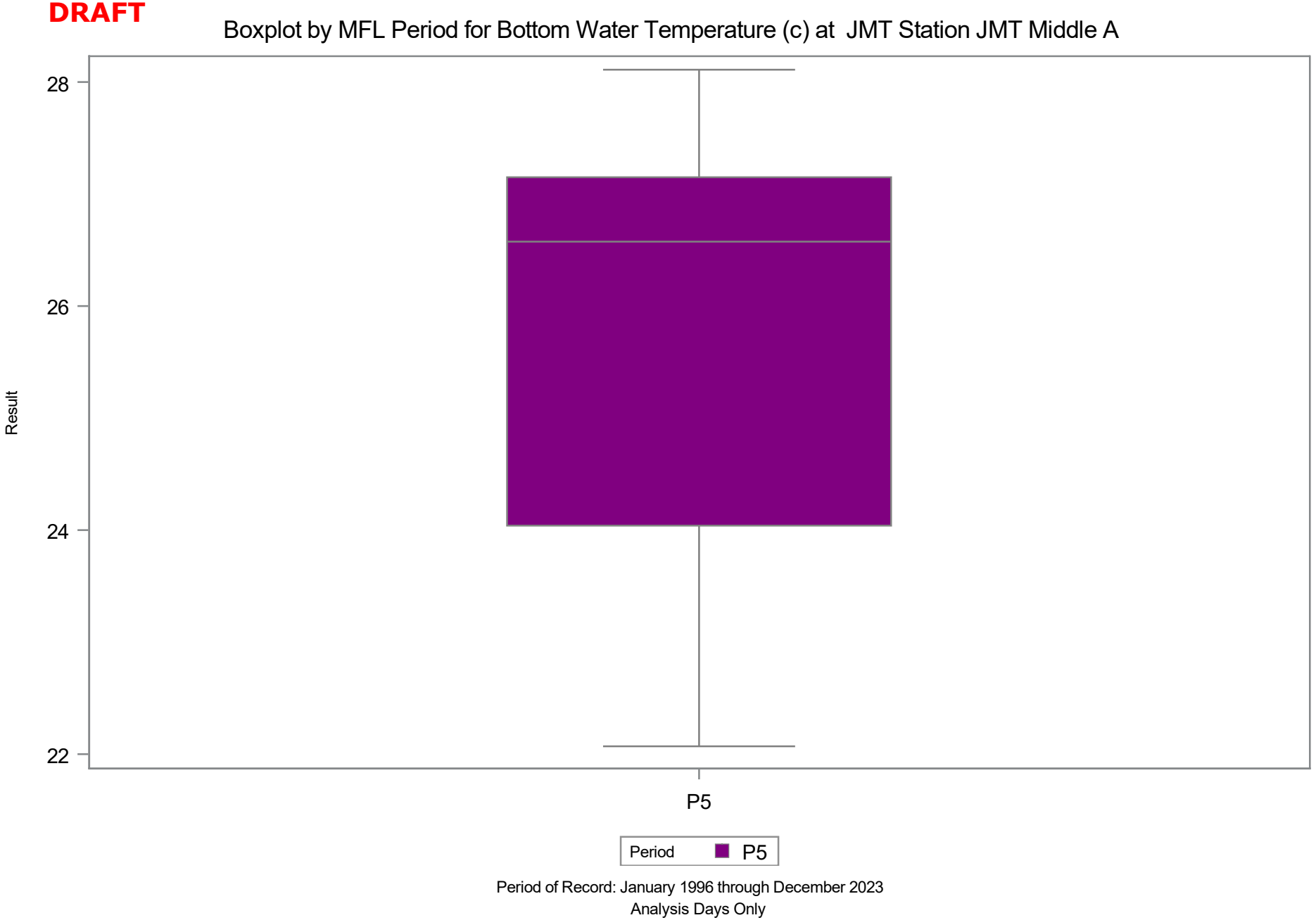
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Middle A

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	22.07	24.04	25.69	26.58	27.15	28.11

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Middle A
28
26
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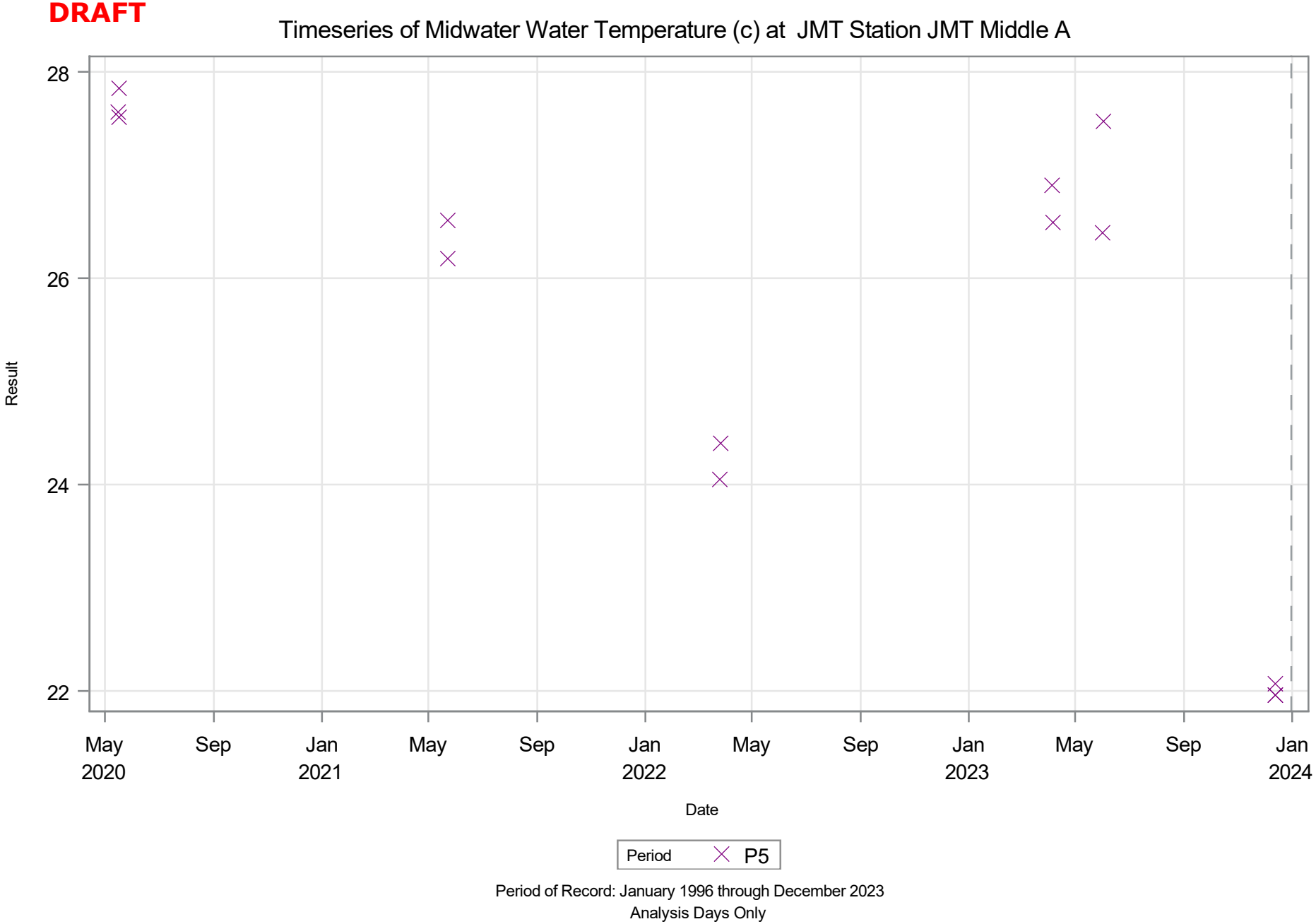
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

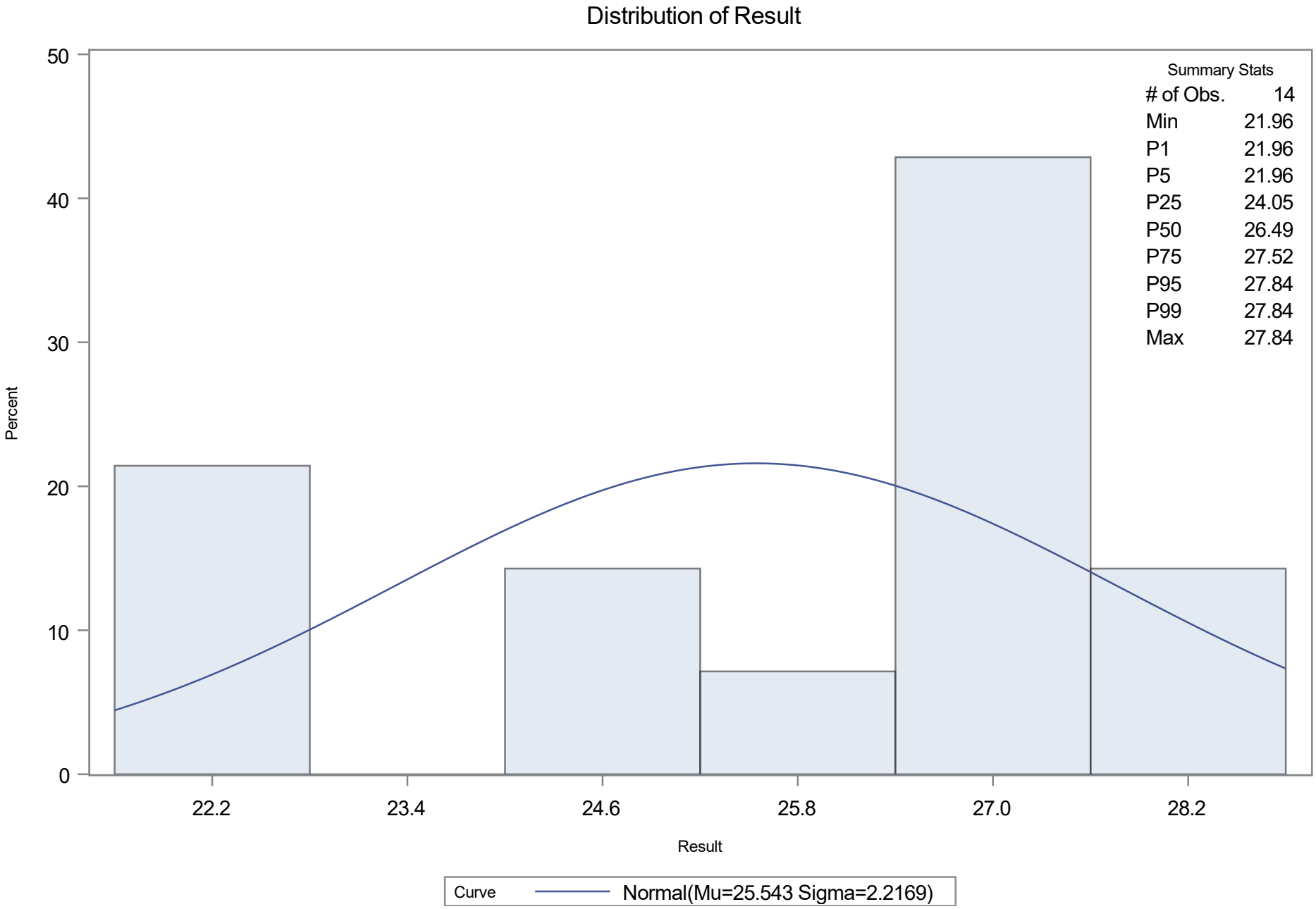
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.54286
Std Dev	Sigma	2.216919

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25767978	**Pr > D**	0.013
Cramer-von Mises	**W-Sq**	0.15867874	**Pr > W-Sq**	0.017
Anderson-Darling	**A-Sq**	0.96117622	**Pr > A-Sq**	0.011

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.9600	20.3855
5.0	21.9600	21.8963
10.0	21.9600	22.7018
25.0	24.0500	24.0476
50.0	26.4900	25.5429
75.0	27.5200	27.0381
90.0	27.6100	28.3840
95.0	27.8400	29.1894
99.0	27.8400	30.7002

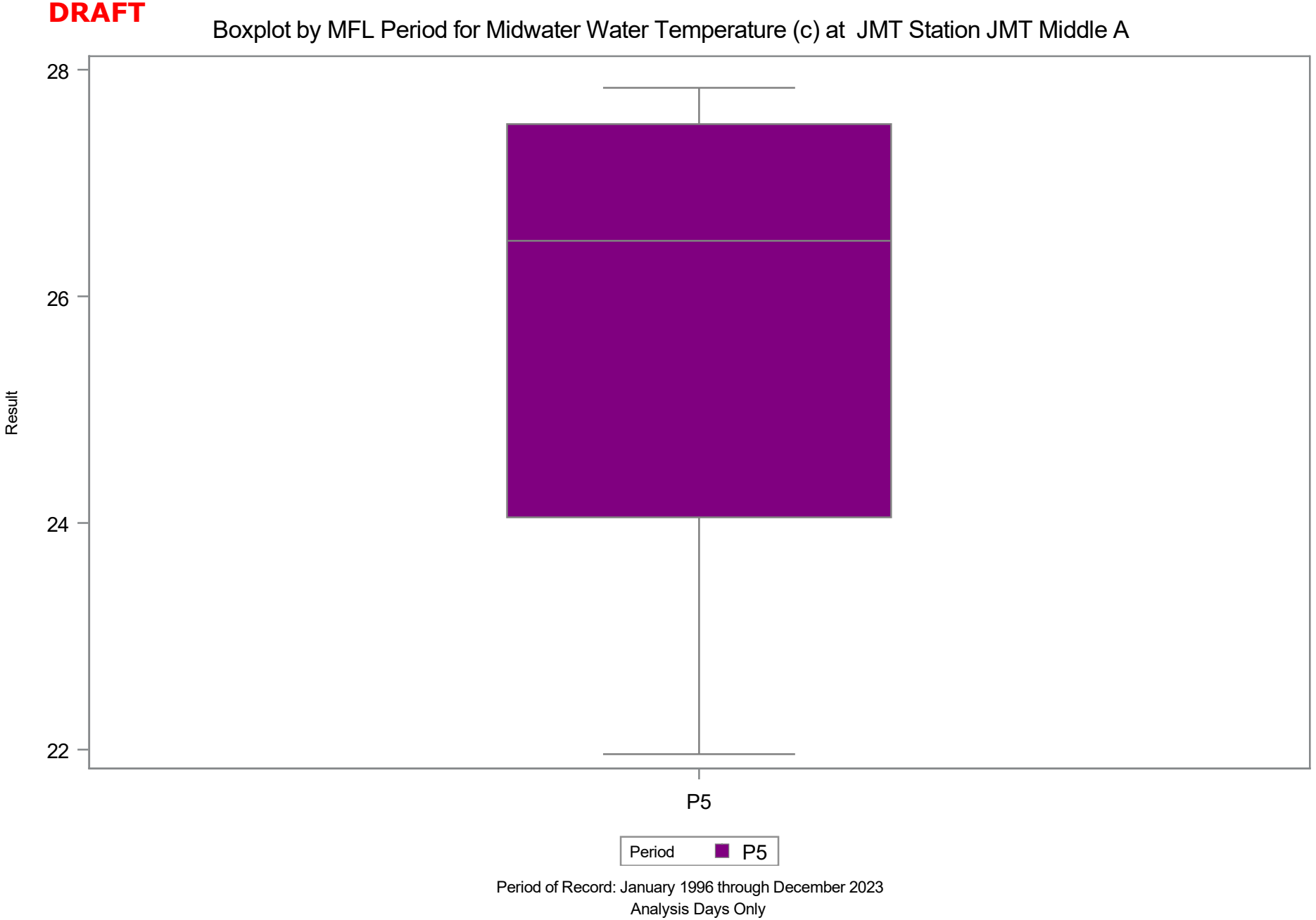
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Middle A**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	21.96	24.05	25.54	26.49	27.52	27.84

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Middle A
28
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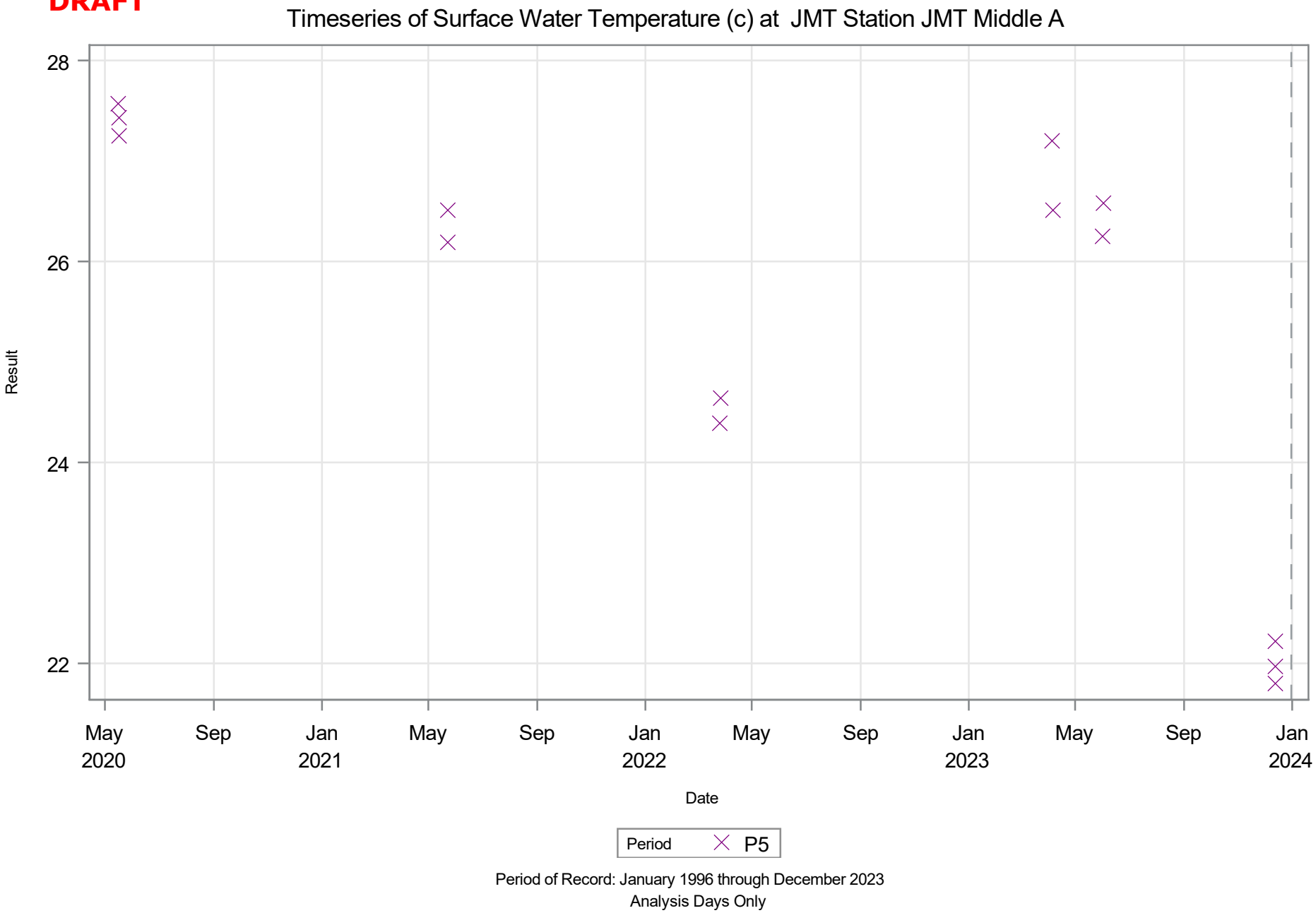
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Middle A
28
26
24
22
Result
May 2020
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Jan 2021
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Jan 2022
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Jan 2023
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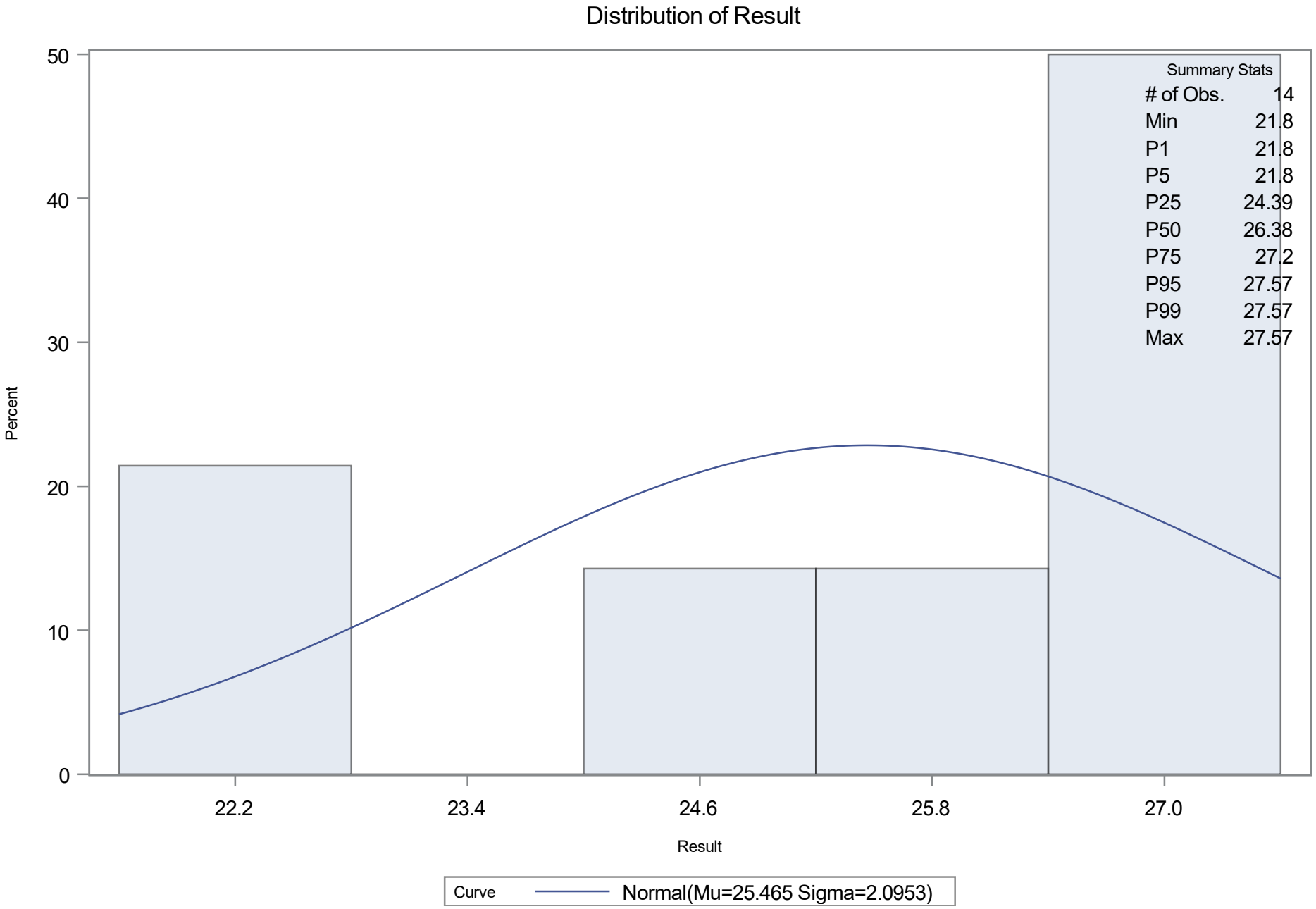
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.465
Std Dev	Sigma	2.095257

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.27819312	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.17233562	**Pr > W-Sq**	0.010
Anderson-Darling	**A-Sq**	1.02251363	**Pr > A-Sq**	0.008

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.8000	20.5907
5.0	21.8000	22.0186
10.0	21.9700	22.7798
25.0	24.3900	24.0518
50.0	26.3800	25.4650
75.0	27.2000	26.8782
90.0	27.4300	28.1502
95.0	27.5700	28.9114
99.0	27.5700	30.3393

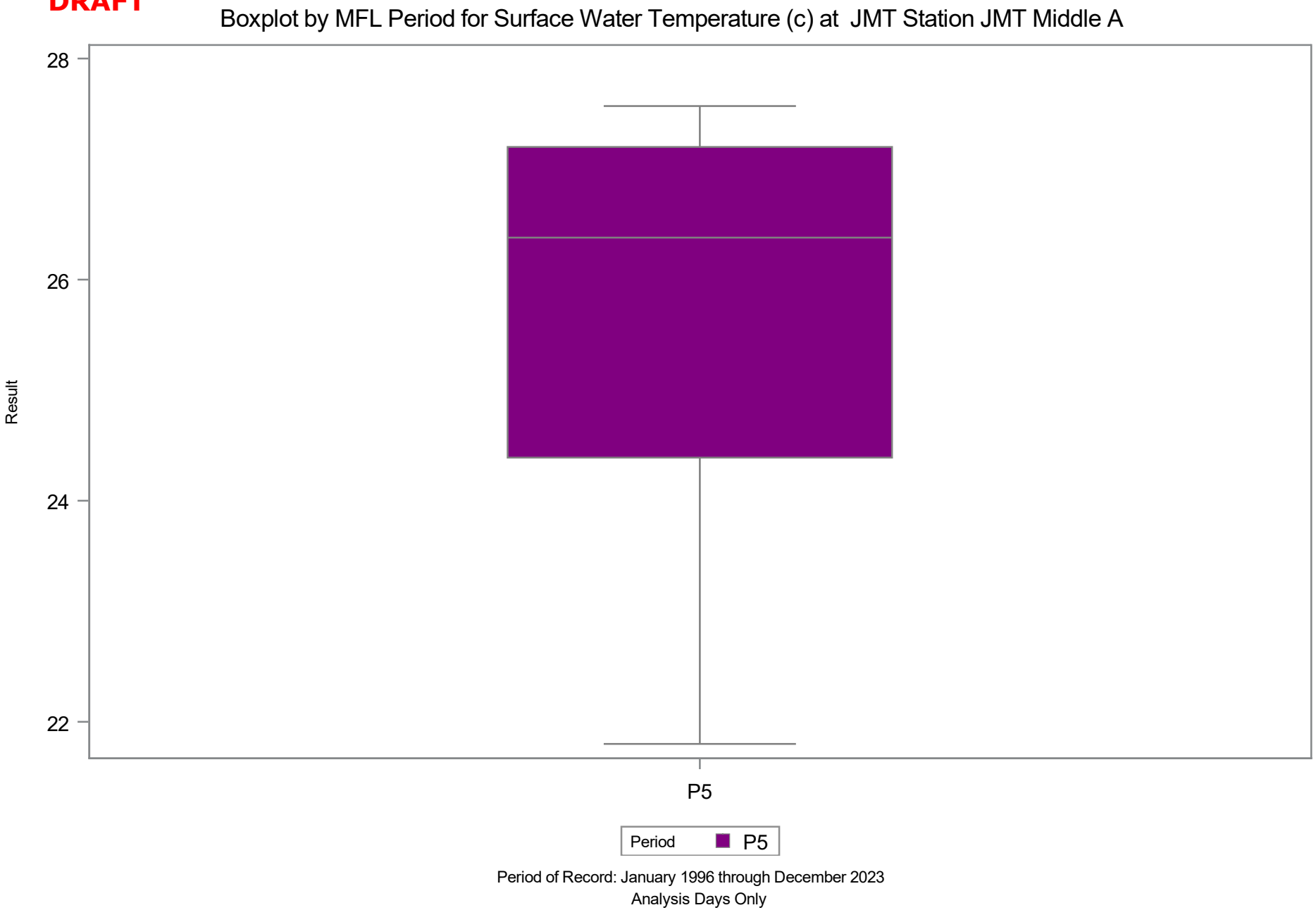
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Middle A**

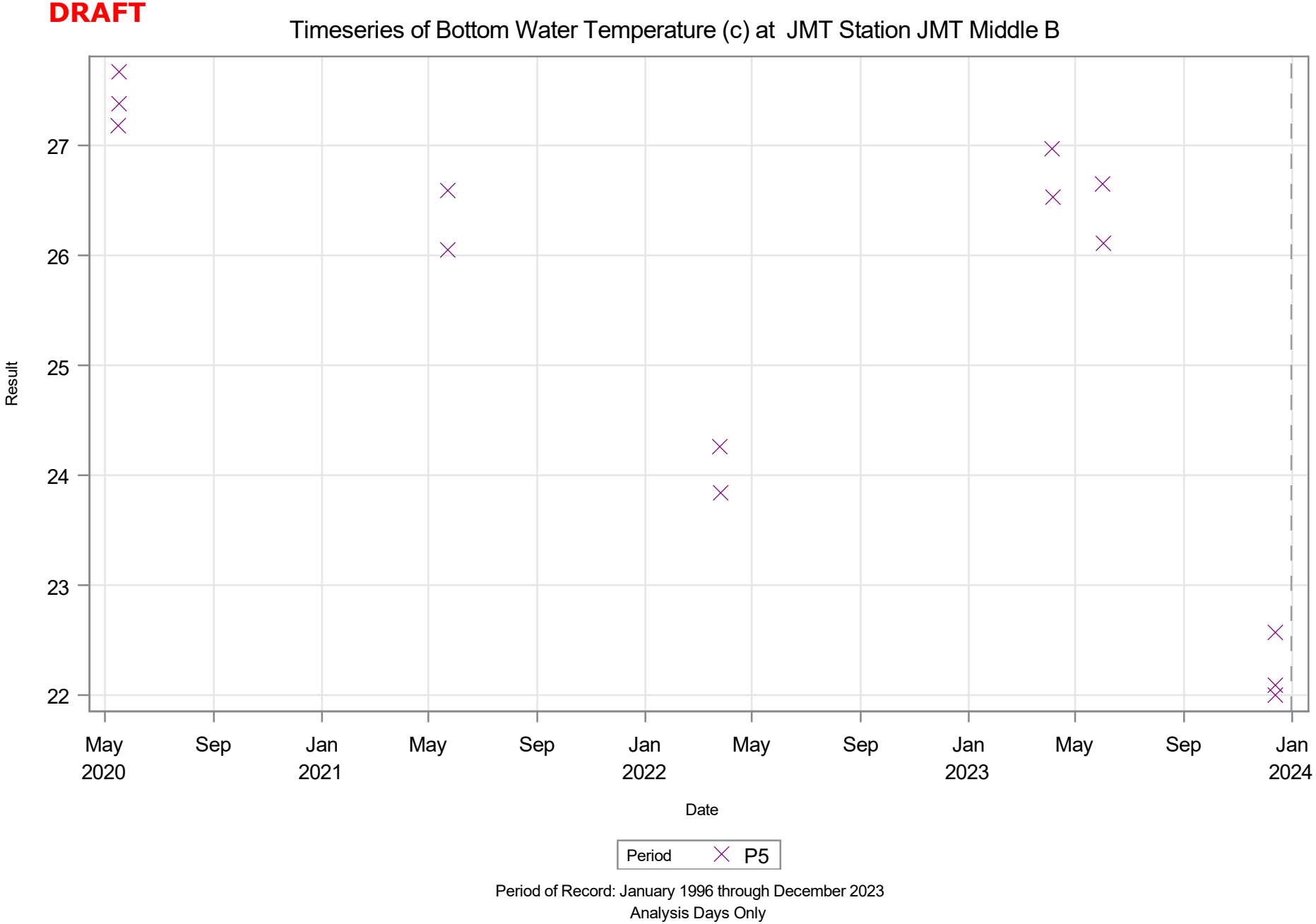
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	21.80	24.39	25.47	26.38	27.20	27.57

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Middle A
28
26
24
22
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

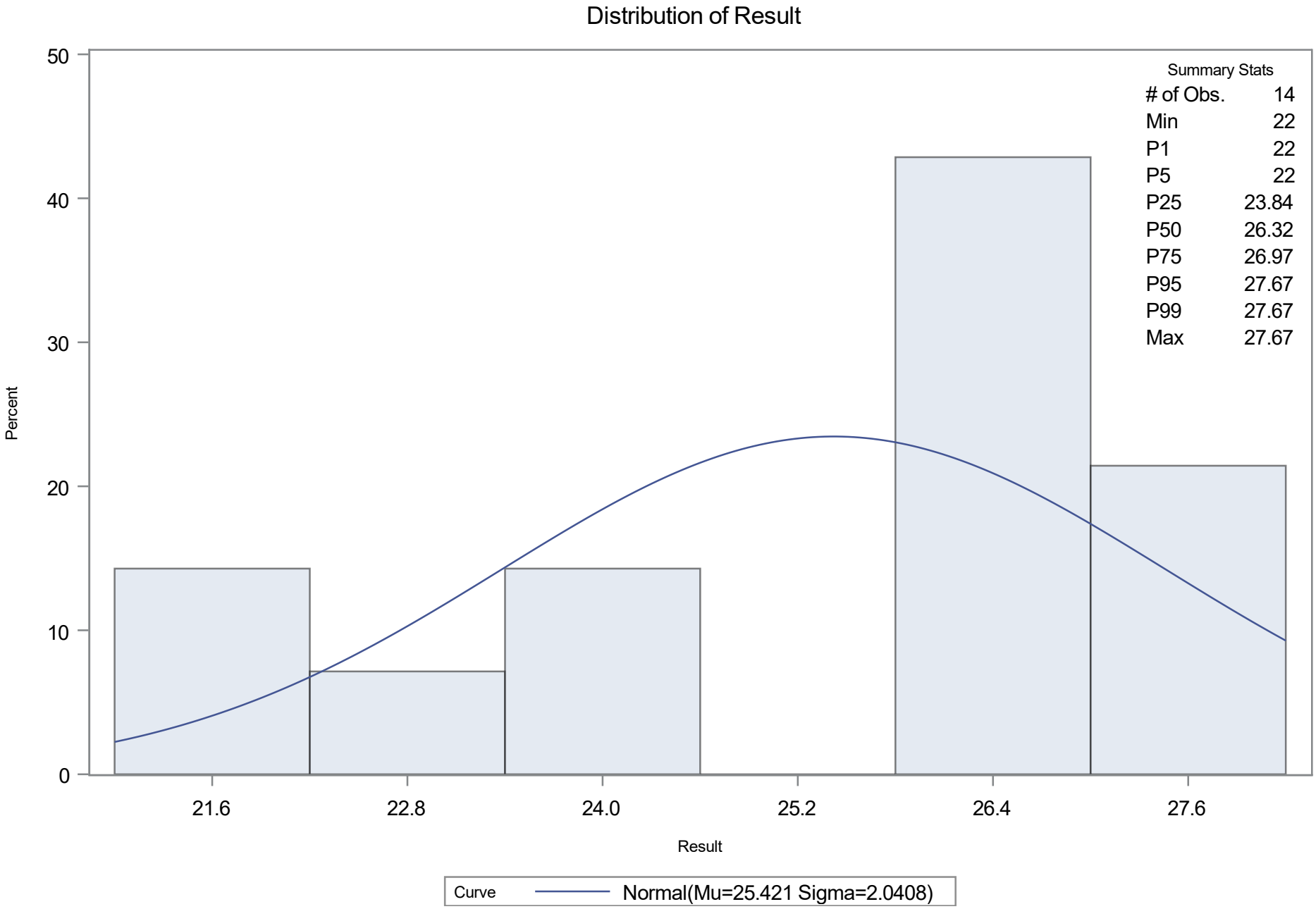
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.42071
Std Dev	Sigma	2.040756

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26395261	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.15935316	**Pr > W-Sq**	0.016
Anderson-Darling	**A-Sq**	0.89585723	**Pr > A-Sq**	0.017

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.0000	20.6732
5.0	22.0000	22.0640
10.0	22.0900	22.8054
25.0	23.8400	24.0442
50.0	26.3200	25.4207
75.0	26.9700	26.7972
90.0	27.3800	28.0360
95.0	27.6700	28.7775
99.0	27.6700	30.1682

Period of Record: January 1996 through December 2023
Analysis Days Only

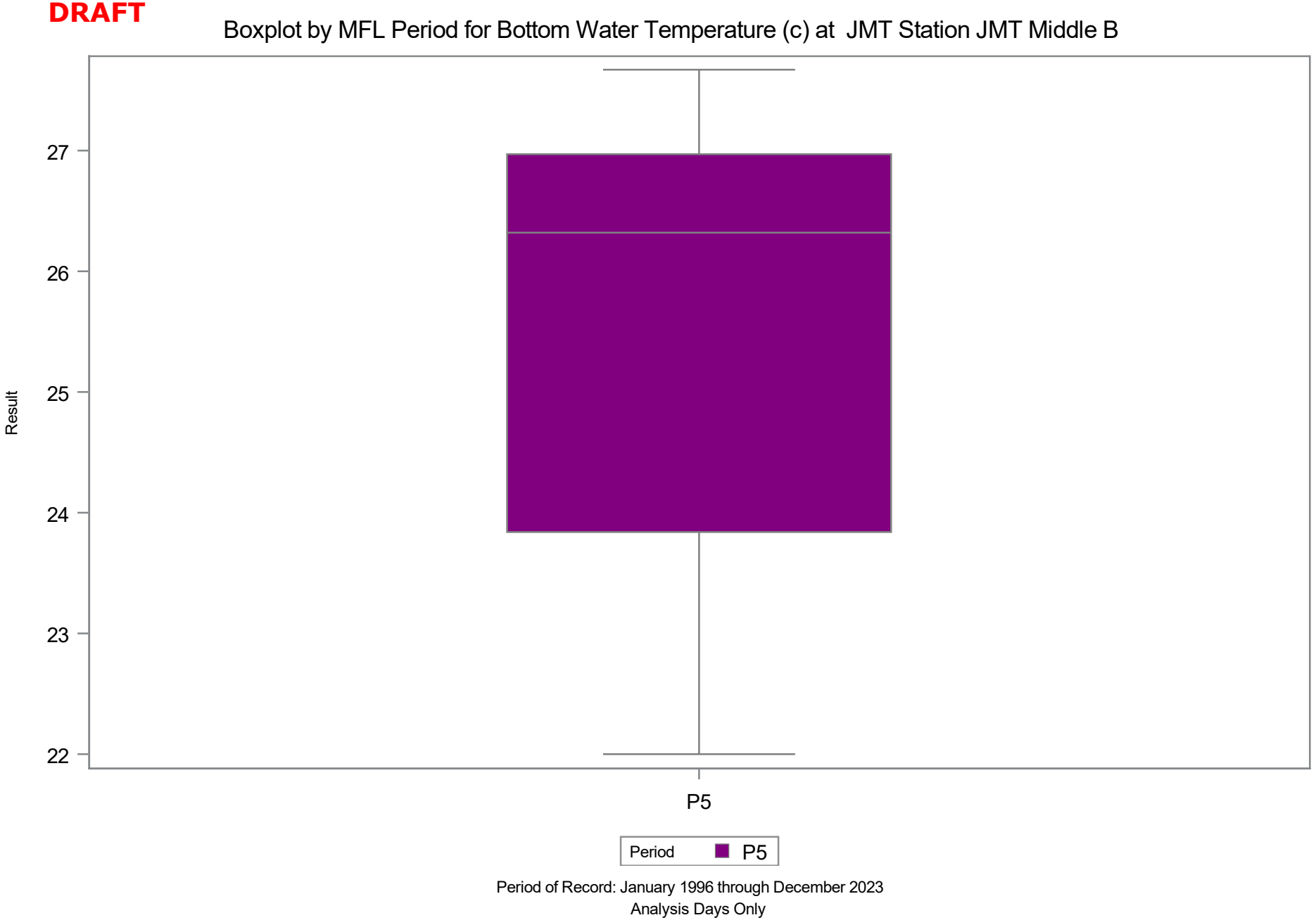
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Middle B

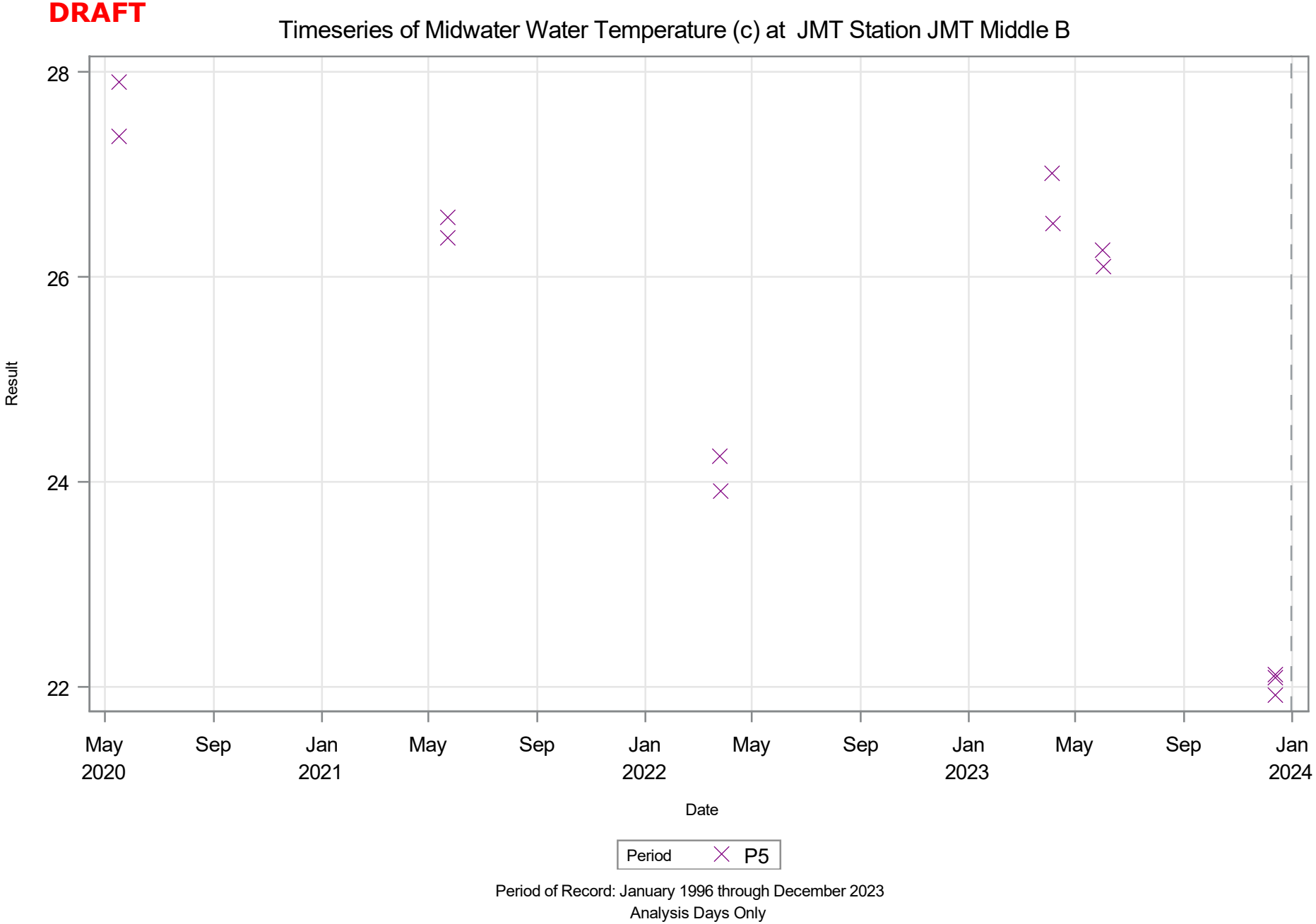
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	22.00	23.84	25.42	26.32	26.97	27.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Middle B
Result
27
26
25
24
23
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

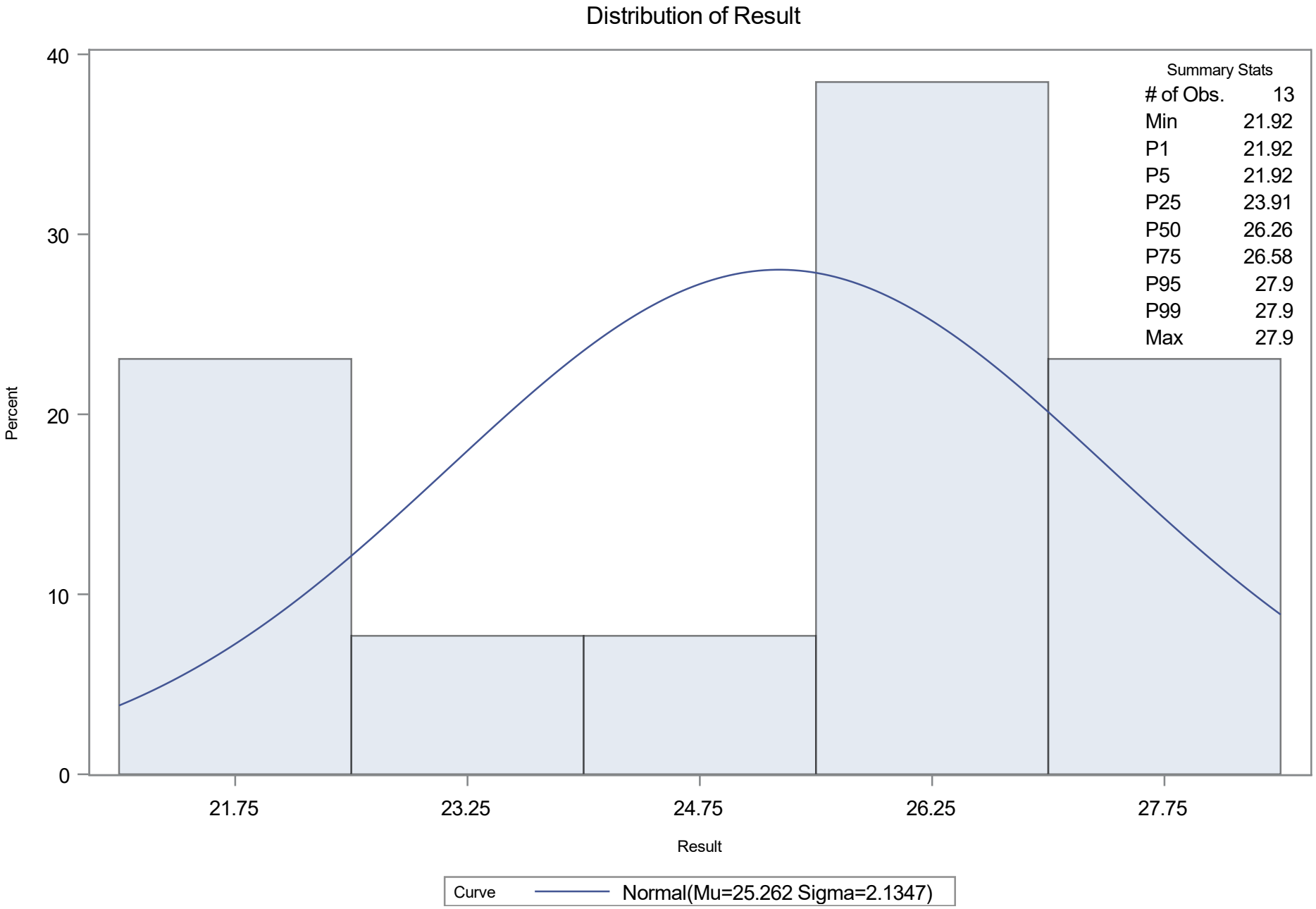
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.26231
Std Dev	Sigma	2.134651

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26801282	**Pr > D**	0.012
Cramer-von Mises	**W-Sq**	0.13671013	**Pr > W-Sq**	0.032
Anderson-Darling	**A-Sq**	0.79311134	**Pr > A-Sq**	0.030

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.9200	20.2964
5.0	21.9200	21.7511
10.0	22.0900	22.5266
25.0	23.9100	23.8225
50.0	26.2600	25.2623
75.0	26.5800	26.7021
90.0	27.3700	27.9980
95.0	27.9000	28.7735
99.0	27.9000	30.2282

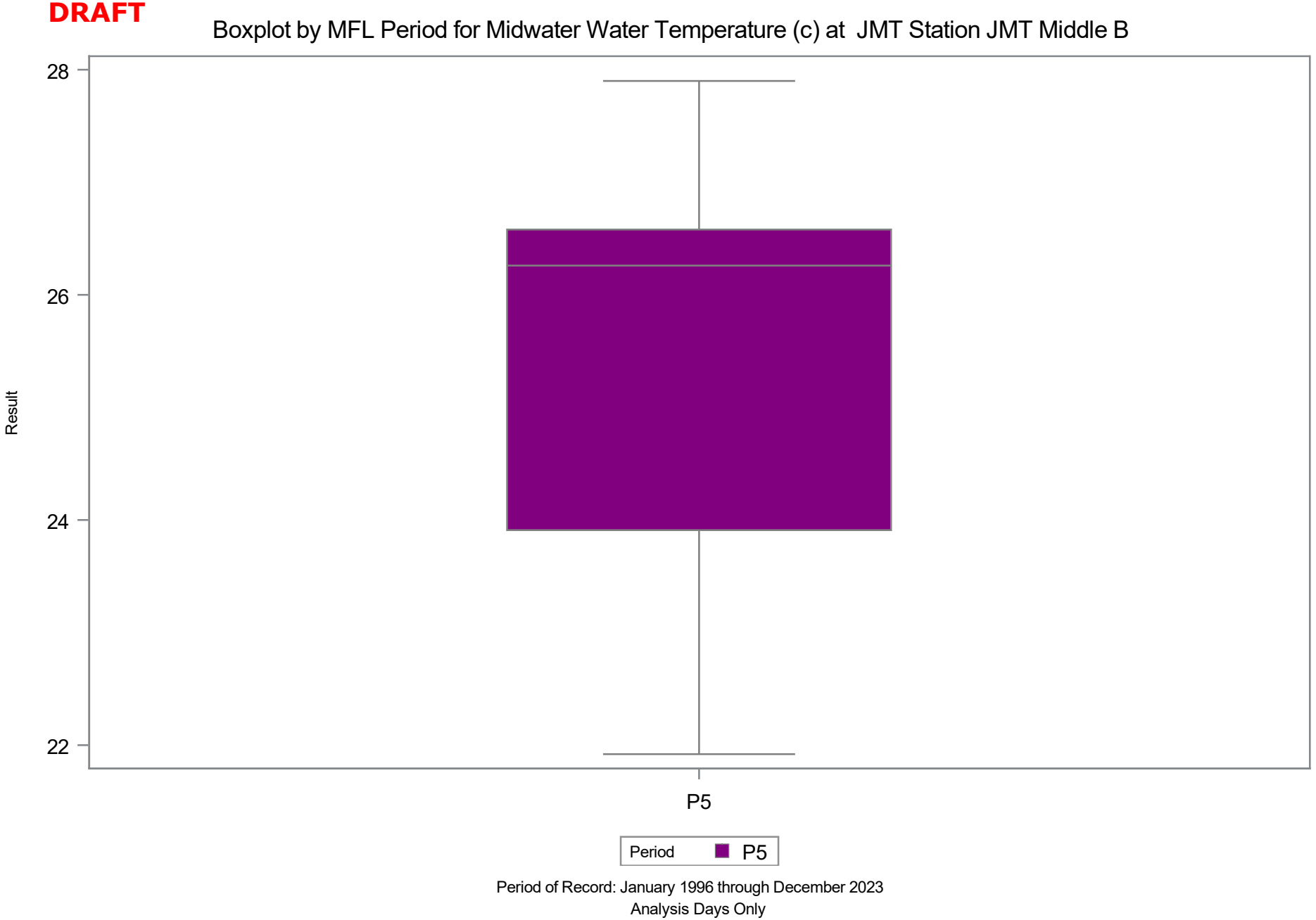
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Middle B**

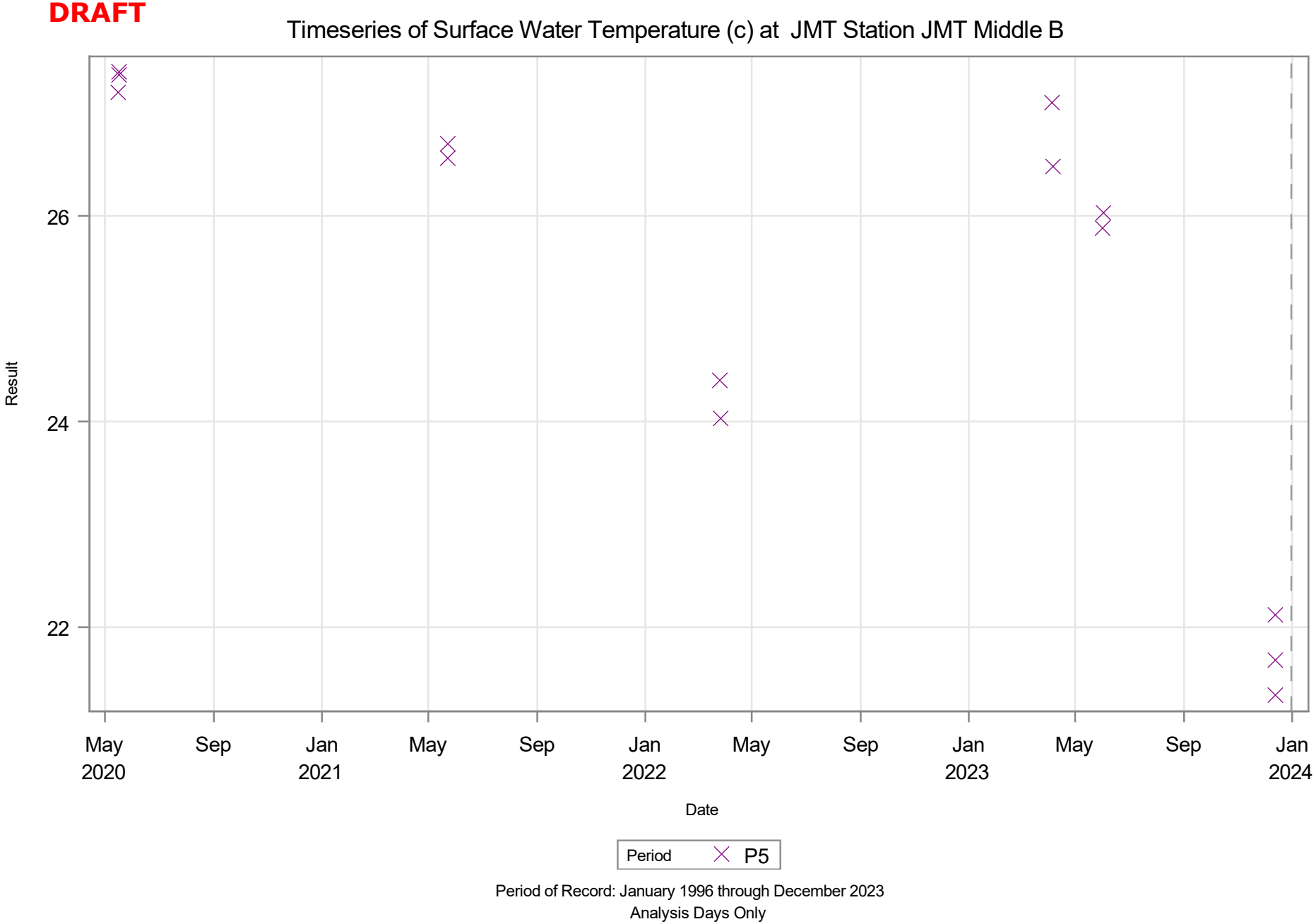
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	21.92	23.91	25.26	26.26	26.58	27.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

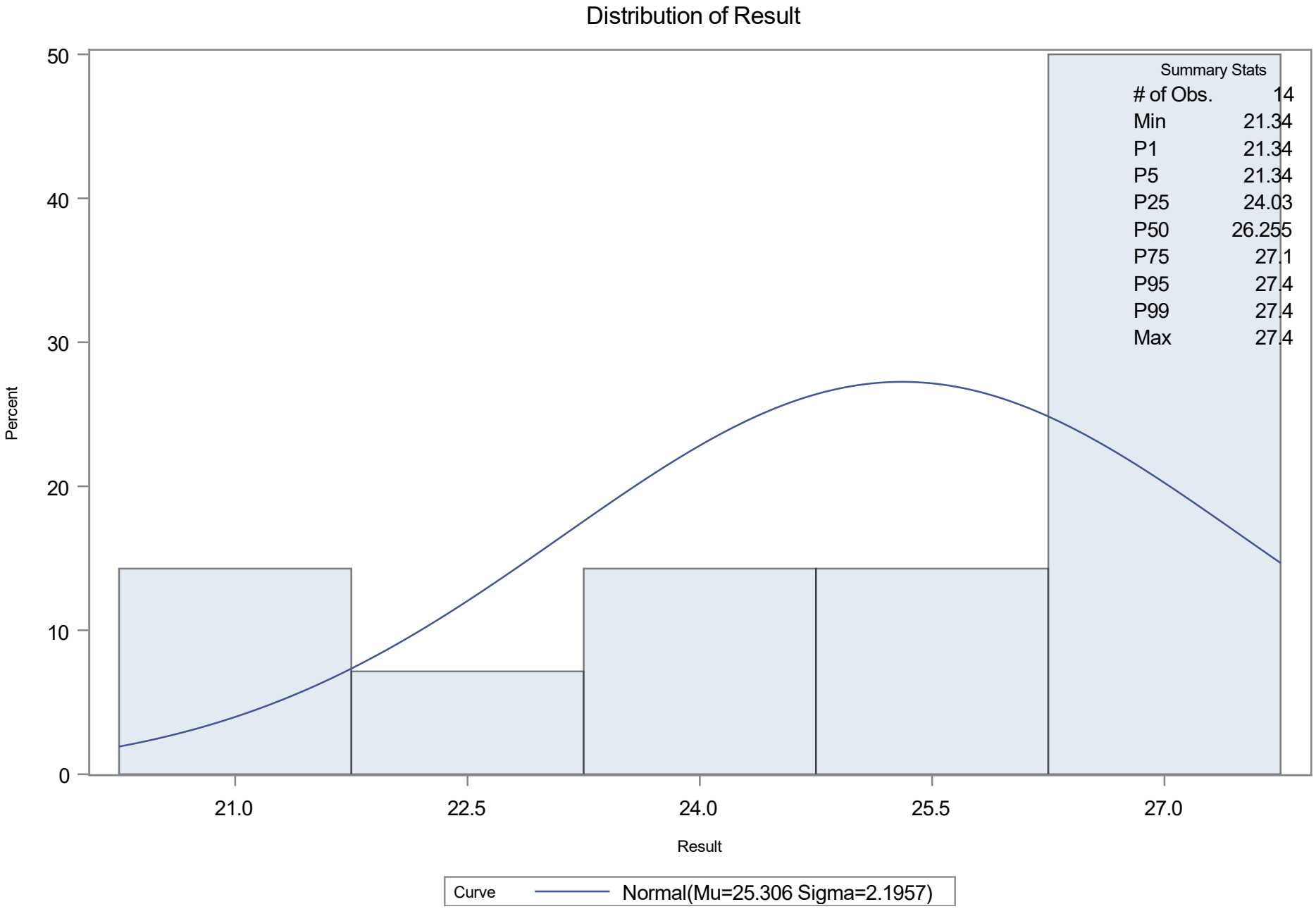

Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Middle B
28
26
24
22
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Middle B
Result
26
24
22
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.30643
Std Dev	Sigma	2.195711

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24589707	**Pr > D**	0.022
Cramer-von Mises	**W-Sq**	0.16101303	**Pr > W-Sq**	0.016
Anderson-Darling	**A-Sq**	0.95137449	**Pr > A-Sq**	0.012

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.3400	20.1984
5.0	21.3400	21.6948
10.0	21.6800	22.4925
25.0	24.0300	23.8254
50.0	26.2550	25.3064
75.0	27.1000	26.7874
90.0	27.3700	28.1203
95.0	27.4000	28.9181
99.0	27.4000	30.4144

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

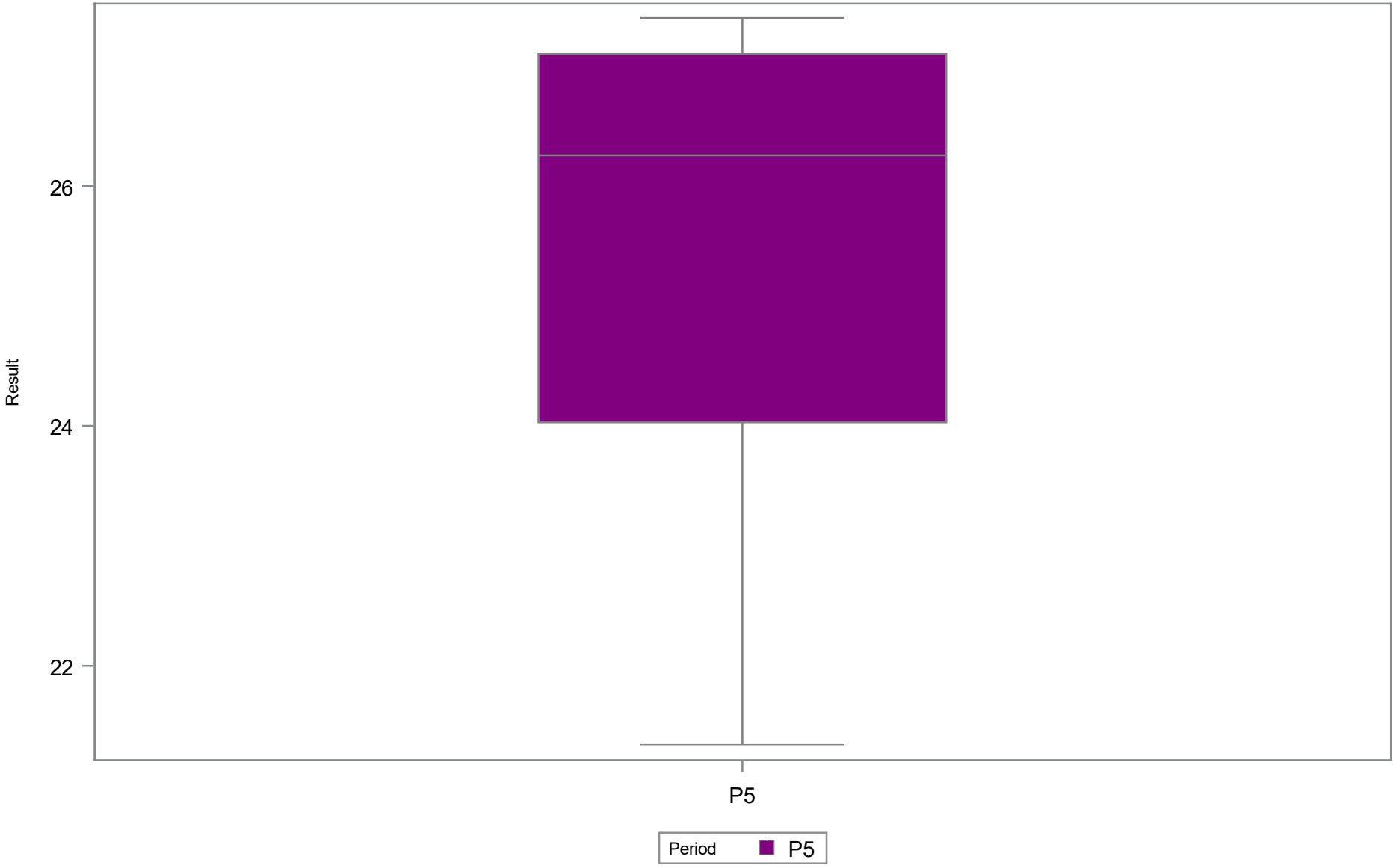
Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Middle B

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	21.34	24.03	25.31	26.26	27.10	27.40

Period of Record: January 1996 through December 2023
Analysis Days Only

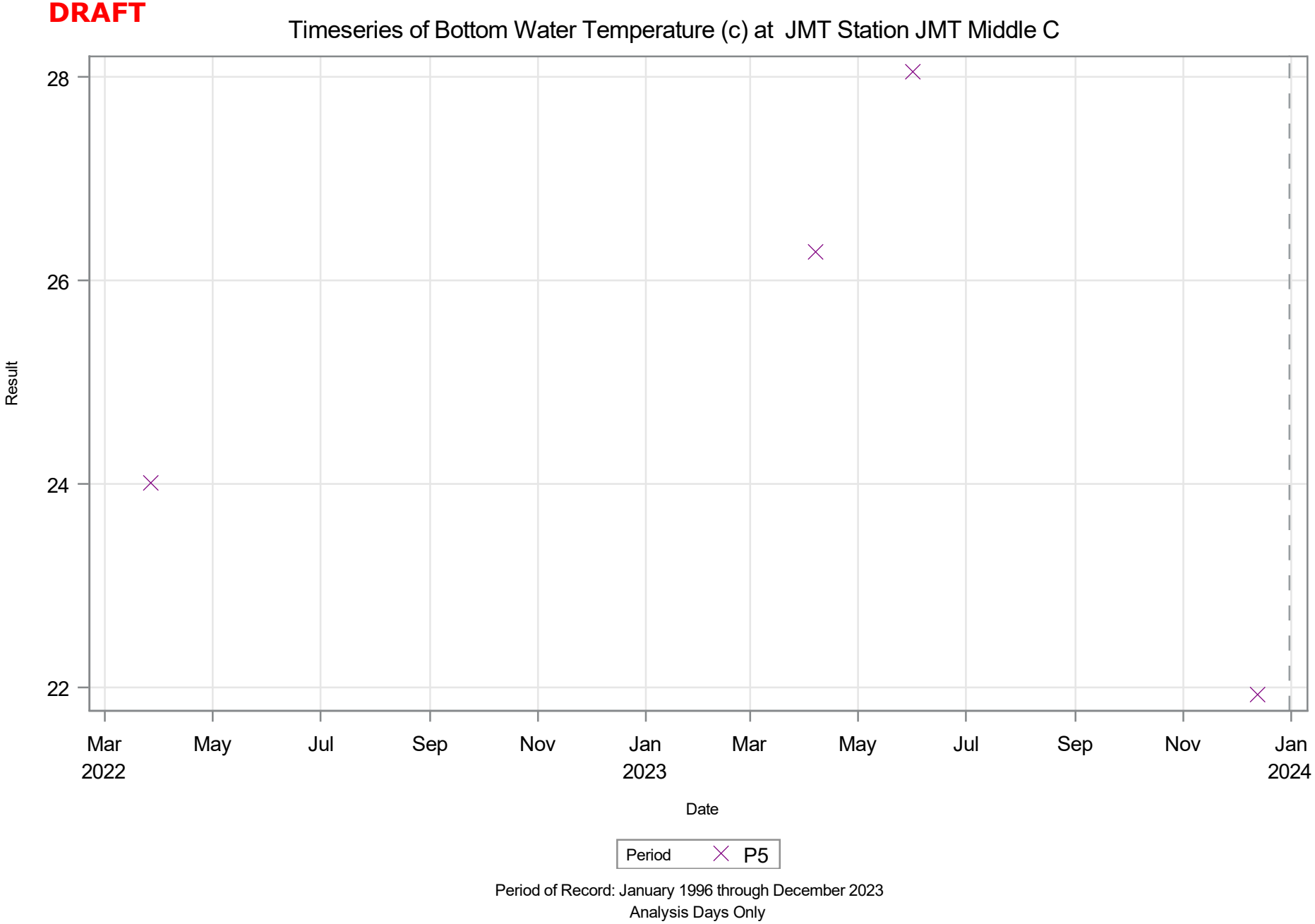
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Middle B



Period of Record: January 1996 through December 2023
Analysis Days Only

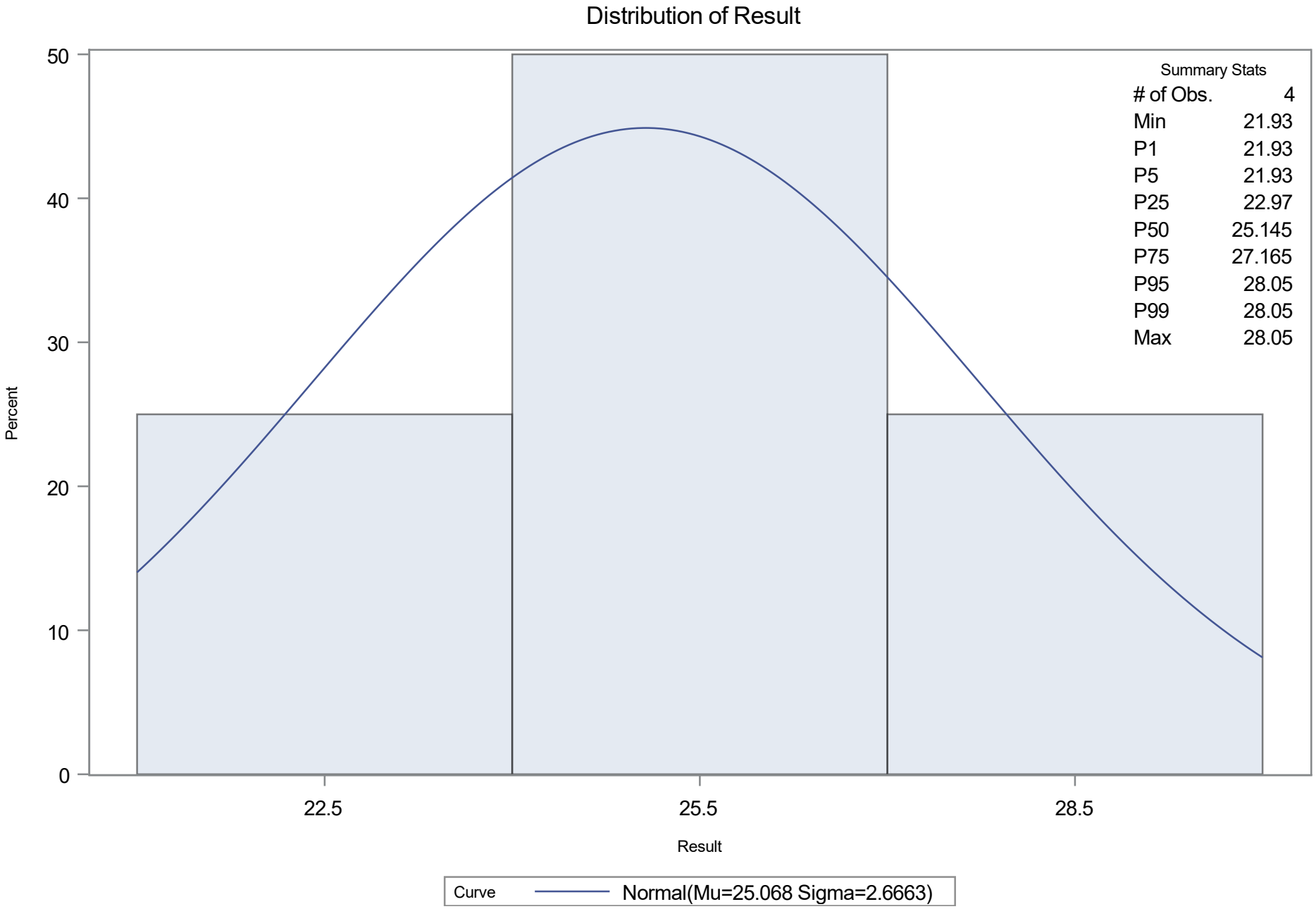
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.0675
Std Dev	Sigma	2.666313

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17535466	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02429298	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.16899726	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.9300	18.8647
5.0	21.9300	20.6818
10.0	21.9300	21.6505
25.0	22.9700	23.2691
50.0	25.1450	25.0675
75.0	27.1650	26.8659
90.0	28.0500	28.4845
95.0	28.0500	29.4532
99.0	28.0500	31.2703

Period of Record: January 1996 through December 2023
Analysis Days Only

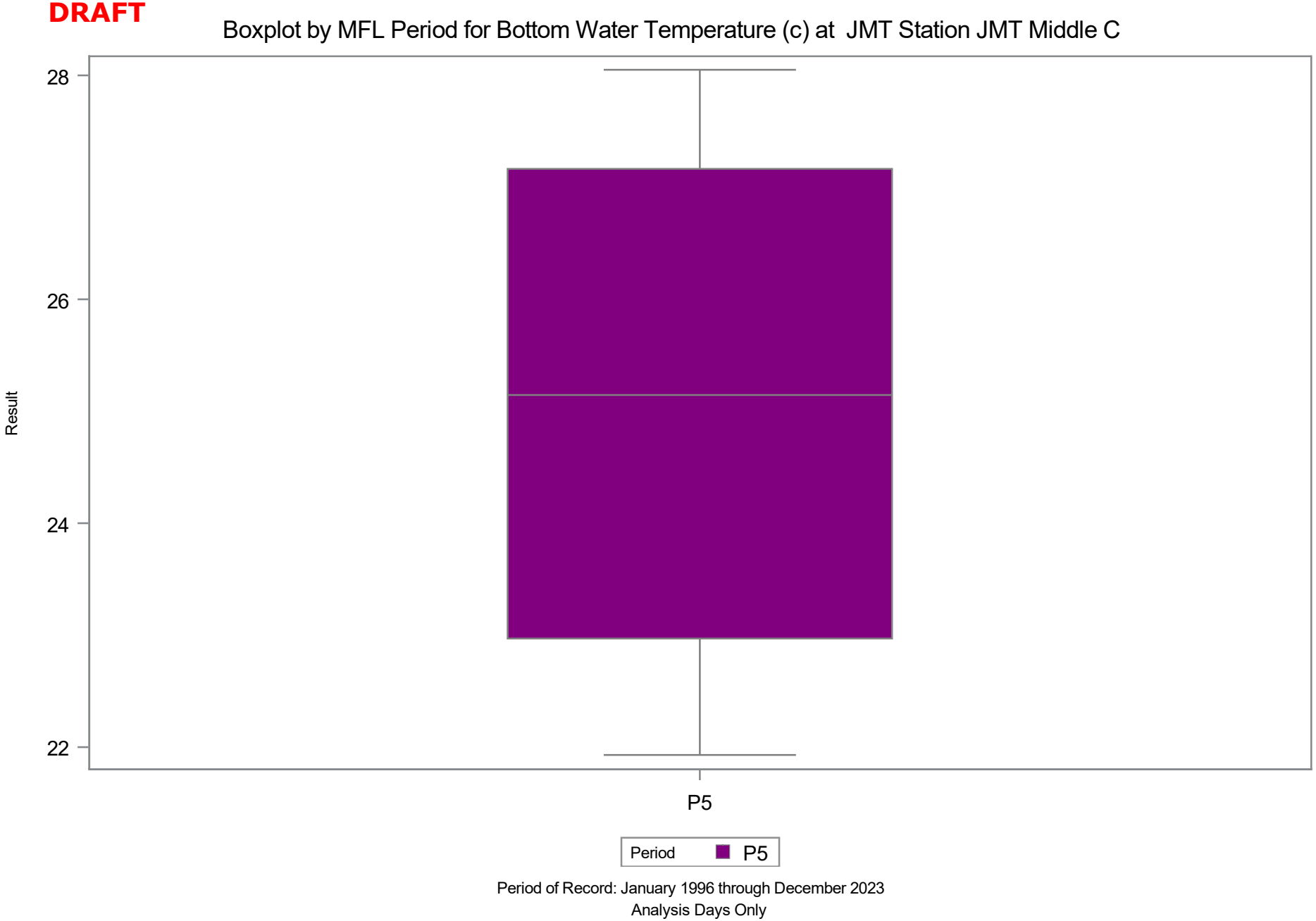
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Middle C

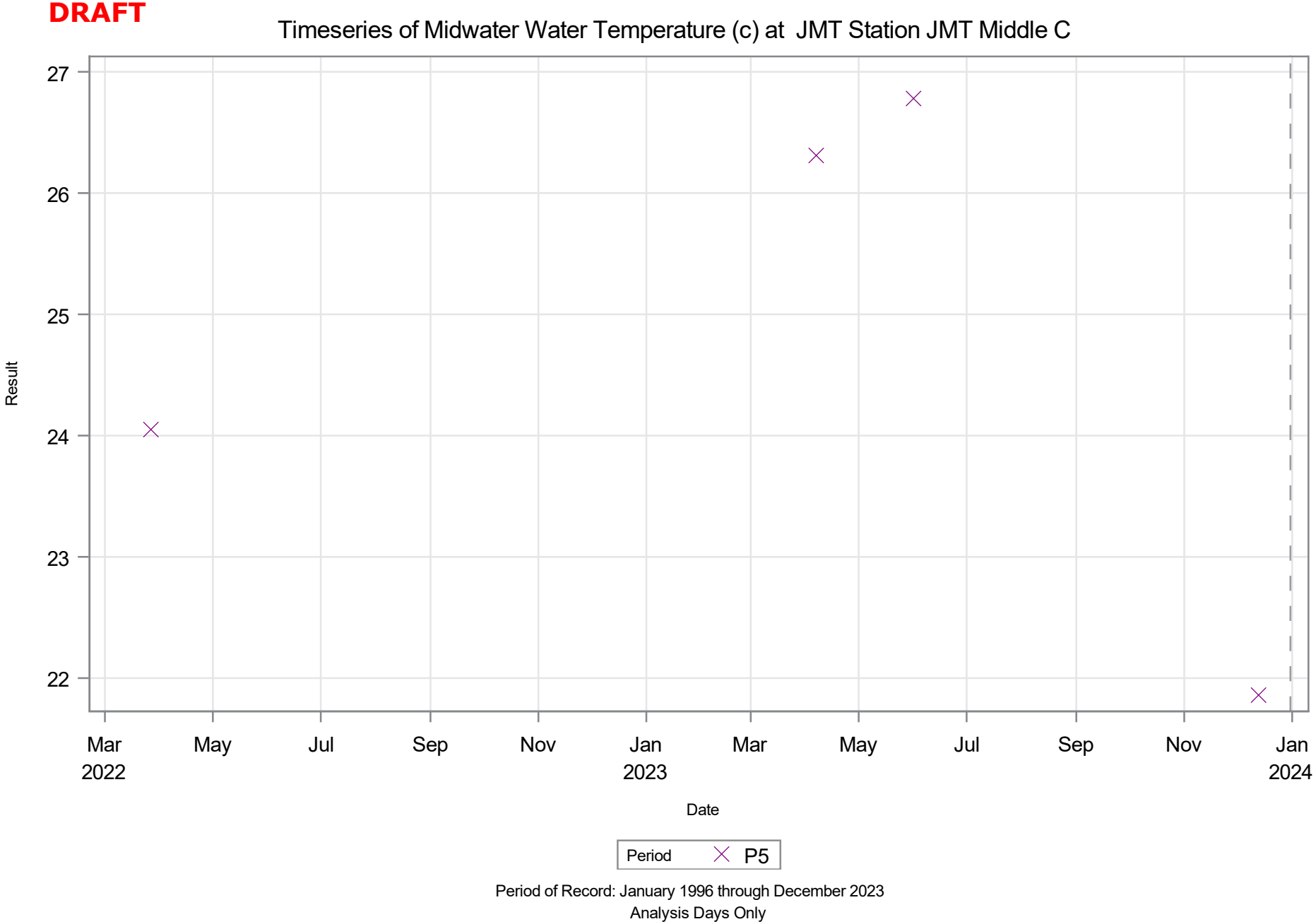
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	21.93	22.97	25.07	25.15	27.17	28.05

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Middle C
28
26
24
22
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

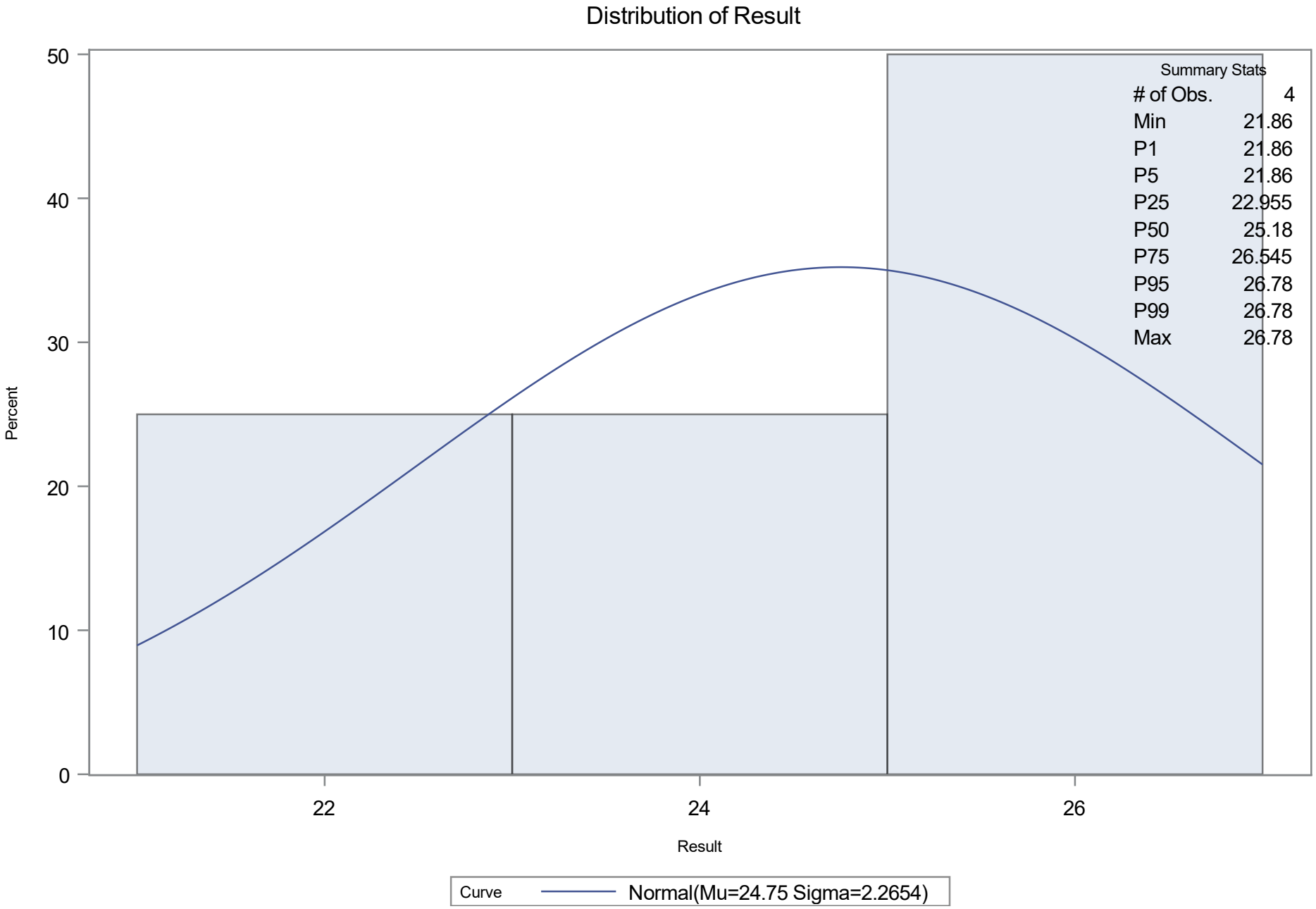
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.75
Std Dev	Sigma	2.265436

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25446538	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04179529	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26799928	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.8600	19.4798
5.0	21.8600	21.0237
10.0	21.8600	21.8467
25.0	22.9550	23.2220
50.0	25.1800	24.7500
75.0	26.5450	26.2780
90.0	26.7800	27.6533
95.0	26.7800	28.4763
99.0	26.7800	30.0202

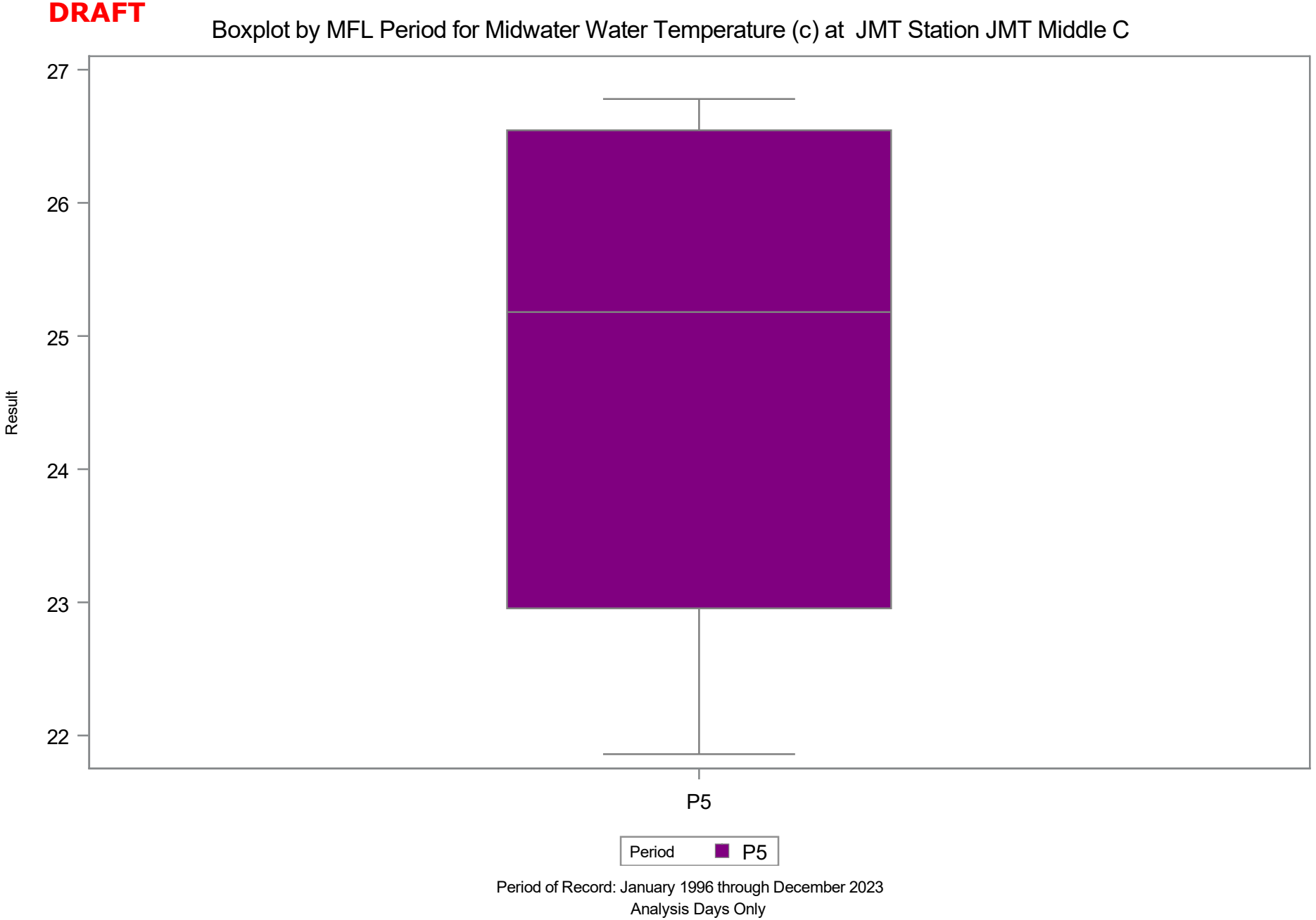
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Middle C**

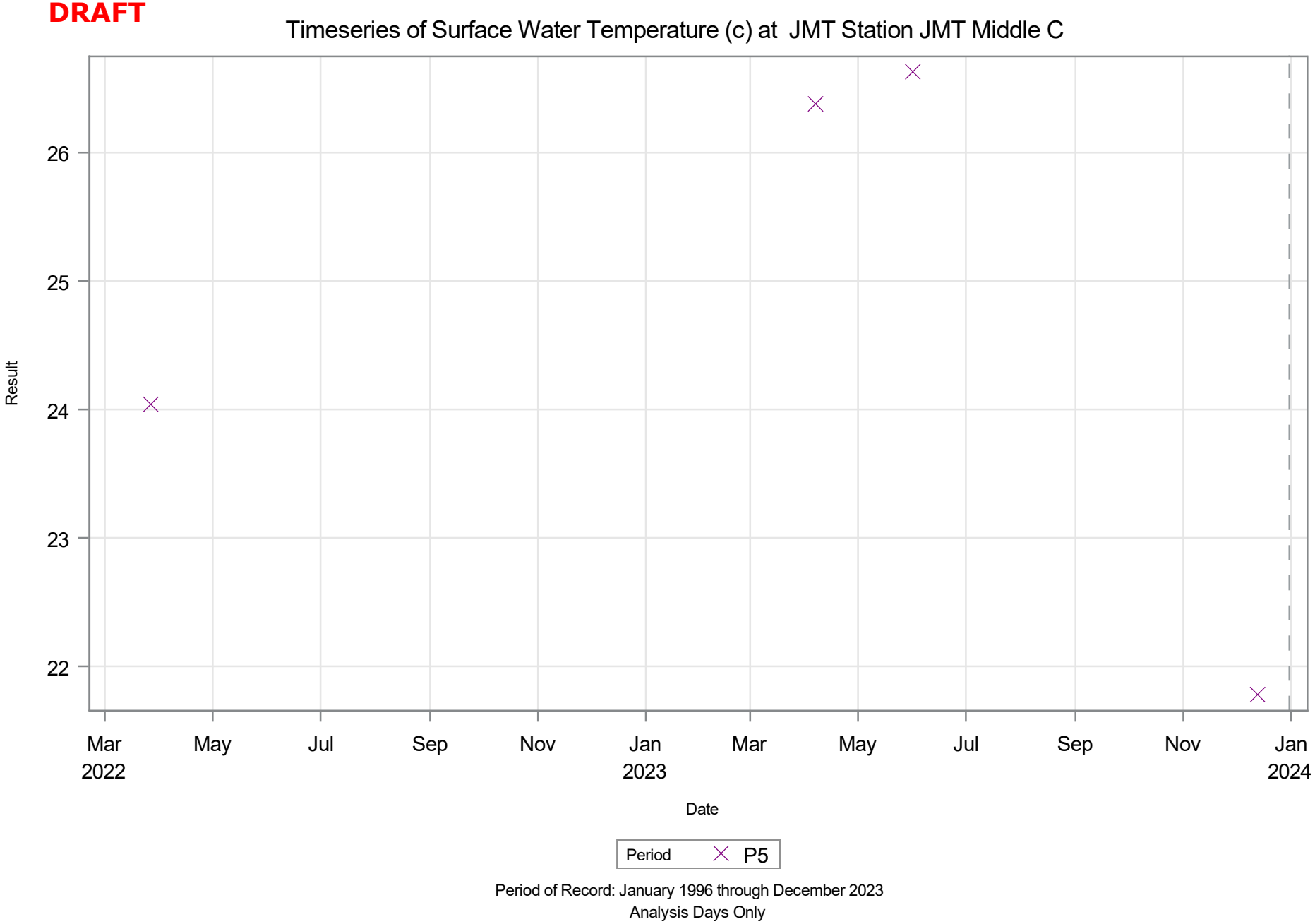
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	21.86	22.96	24.75	25.18	26.55	26.78

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

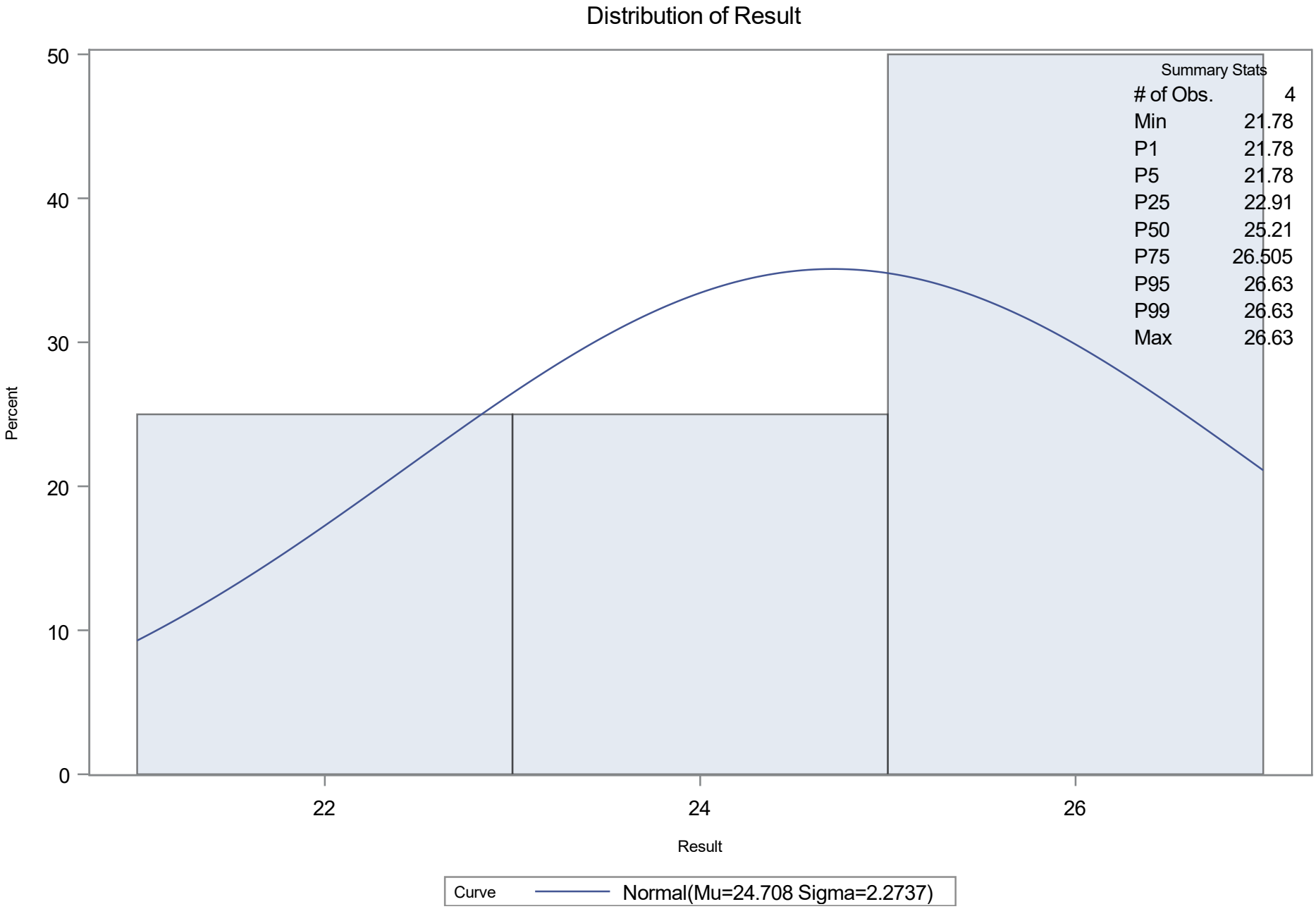

Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Middle C
27
26
25
24
23
22
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Middle C
Result
26
25
24
23
22
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle C



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle C

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.7075
Std Dev	Sigma	2.273696

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26900884	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04780338	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.30332452	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.7800	19.4181
5.0	21.7800	20.9676
10.0	21.7800	21.7936
25.0	22.9100	23.1739
50.0	25.2100	24.7075
75.0	26.5050	26.2411
90.0	26.6300	27.6214
95.0	26.6300	28.4474
99.0	26.6300	29.9969

Period of Record: January 1996 through December 2023
Analysis Days Only

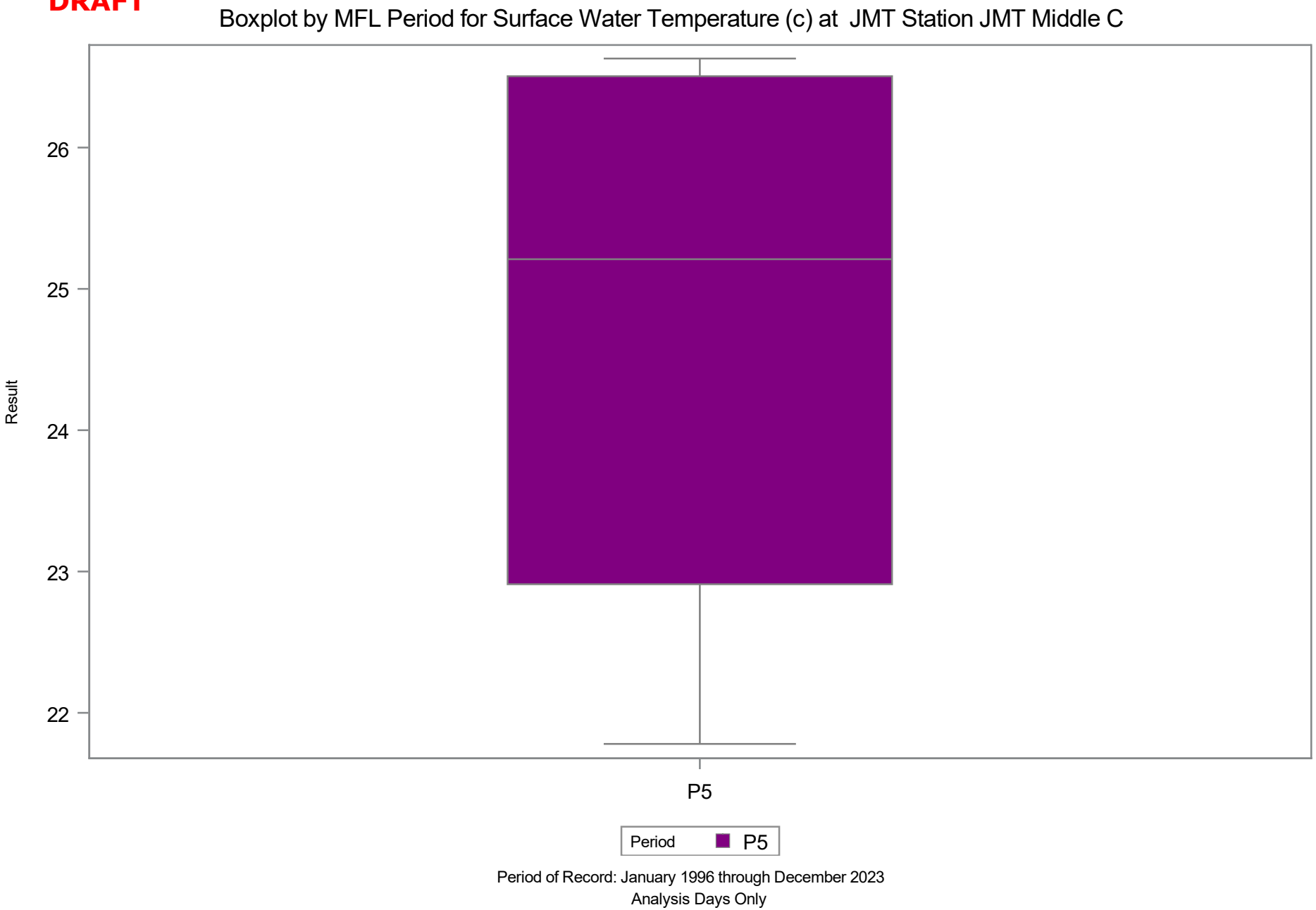
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Middle C

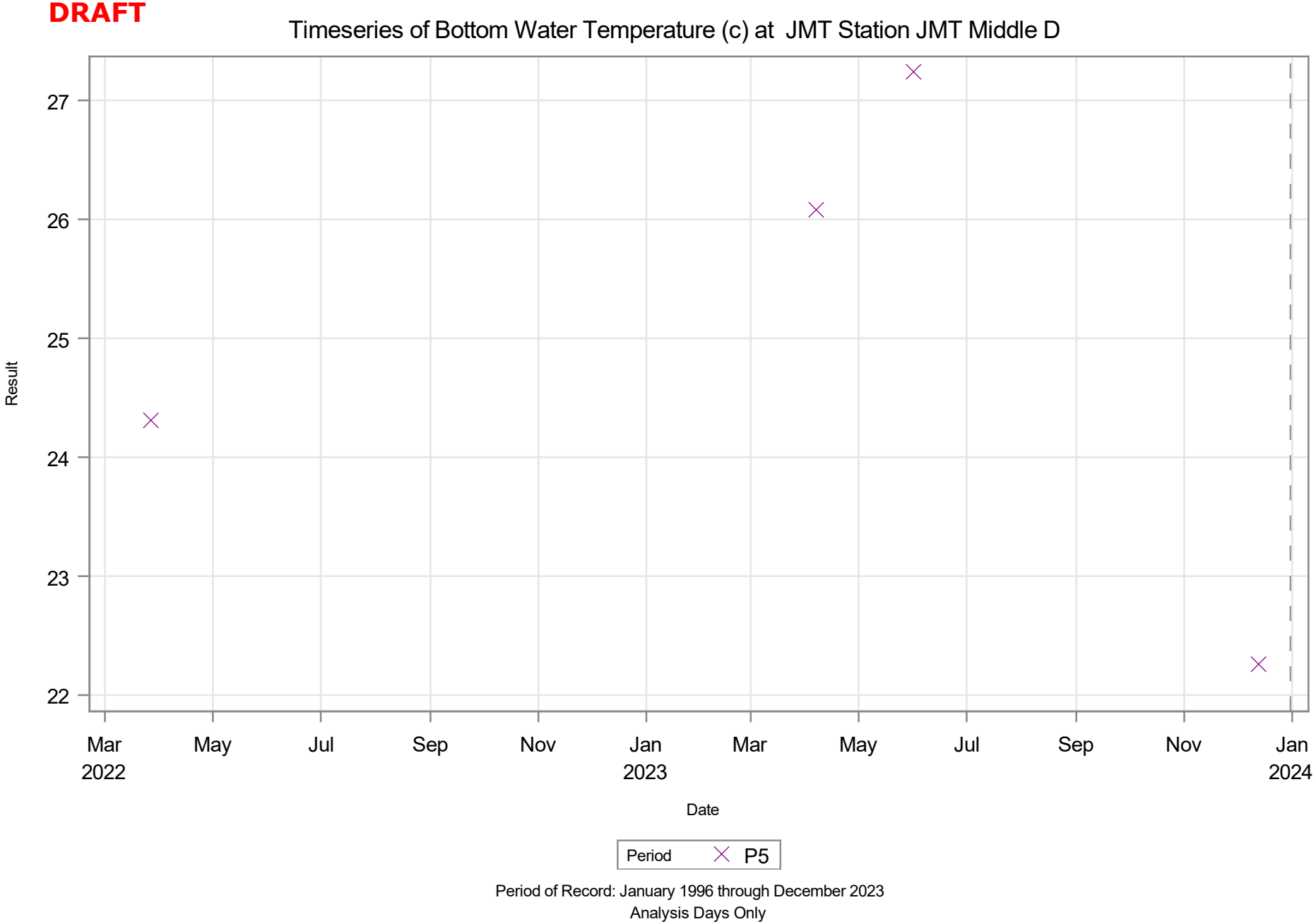
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	21.78	22.91	24.71	25.21	26.51	26.63

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Middle C
Result
26
25
24
23
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

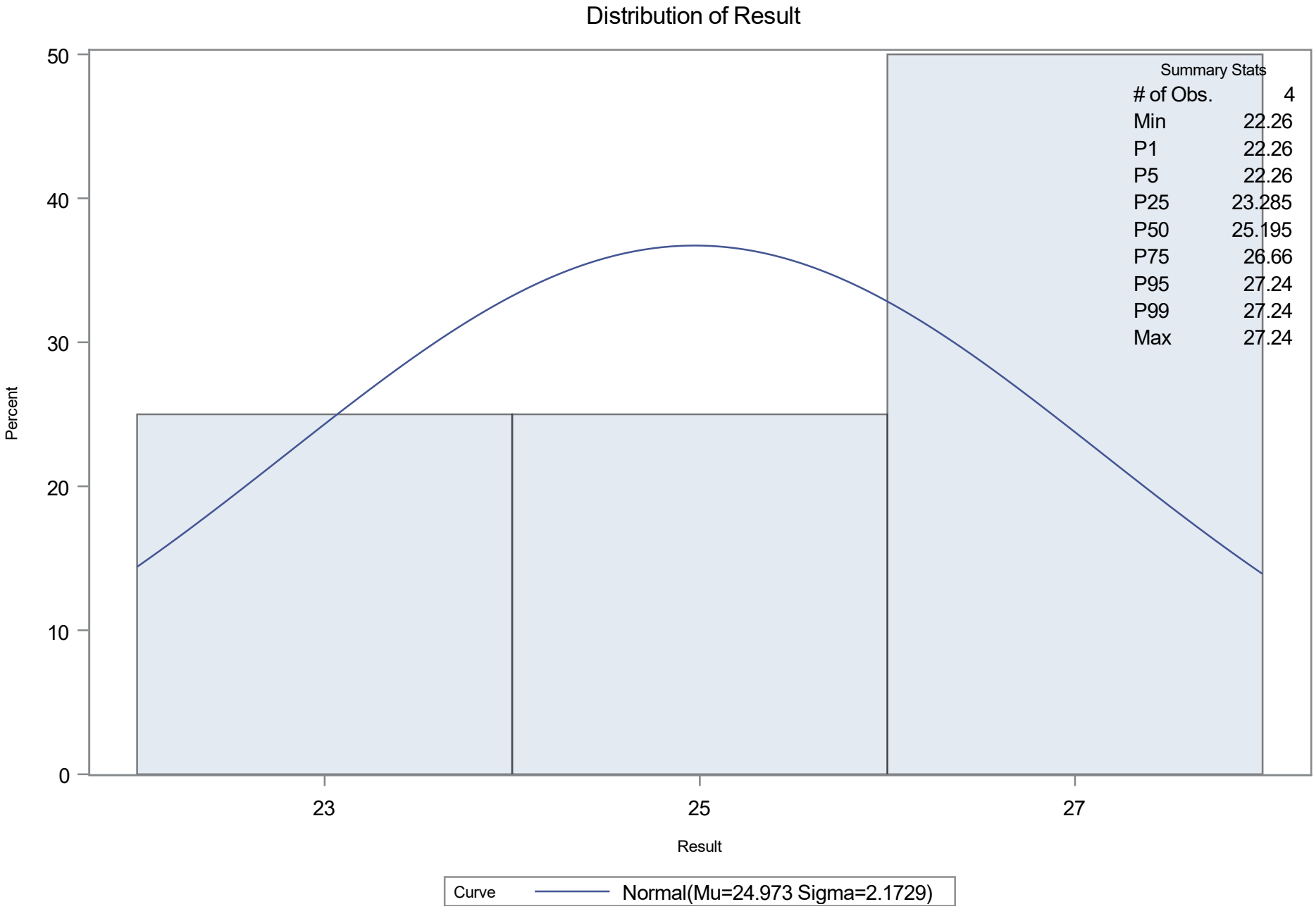
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.9725
Std Dev	Sigma	2.172915

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19486359	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02664951	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18378286	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.2600	19.9175
5.0	22.2600	21.3984
10.0	22.2600	22.1878
25.0	23.2850	23.5069
50.0	25.1950	24.9725
75.0	26.6600	26.4381
90.0	27.2400	27.7572
95.0	27.2400	28.5466
99.0	27.2400	30.0275

Period of Record: January 1996 through December 2023
Analysis Days Only

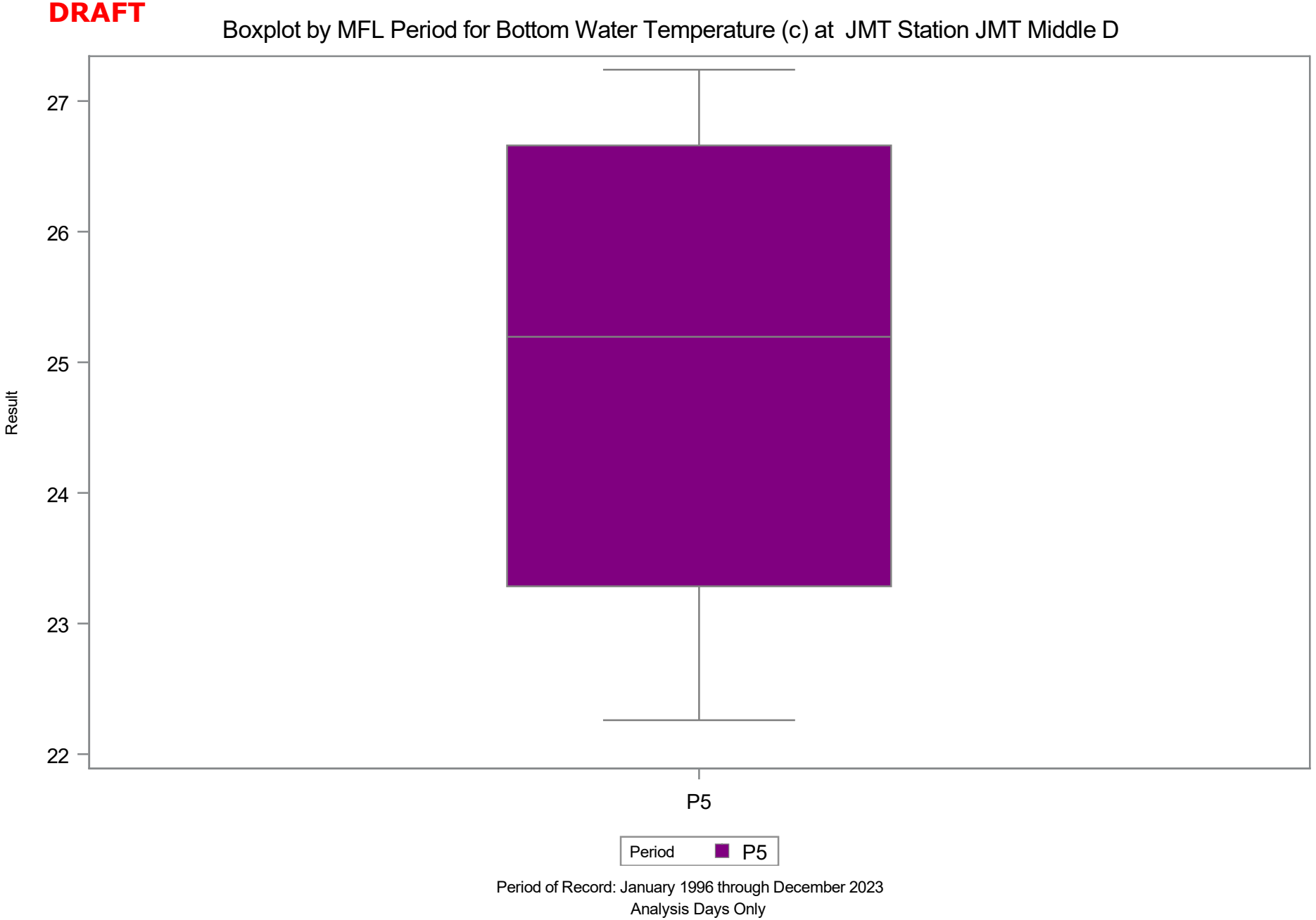
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Middle D

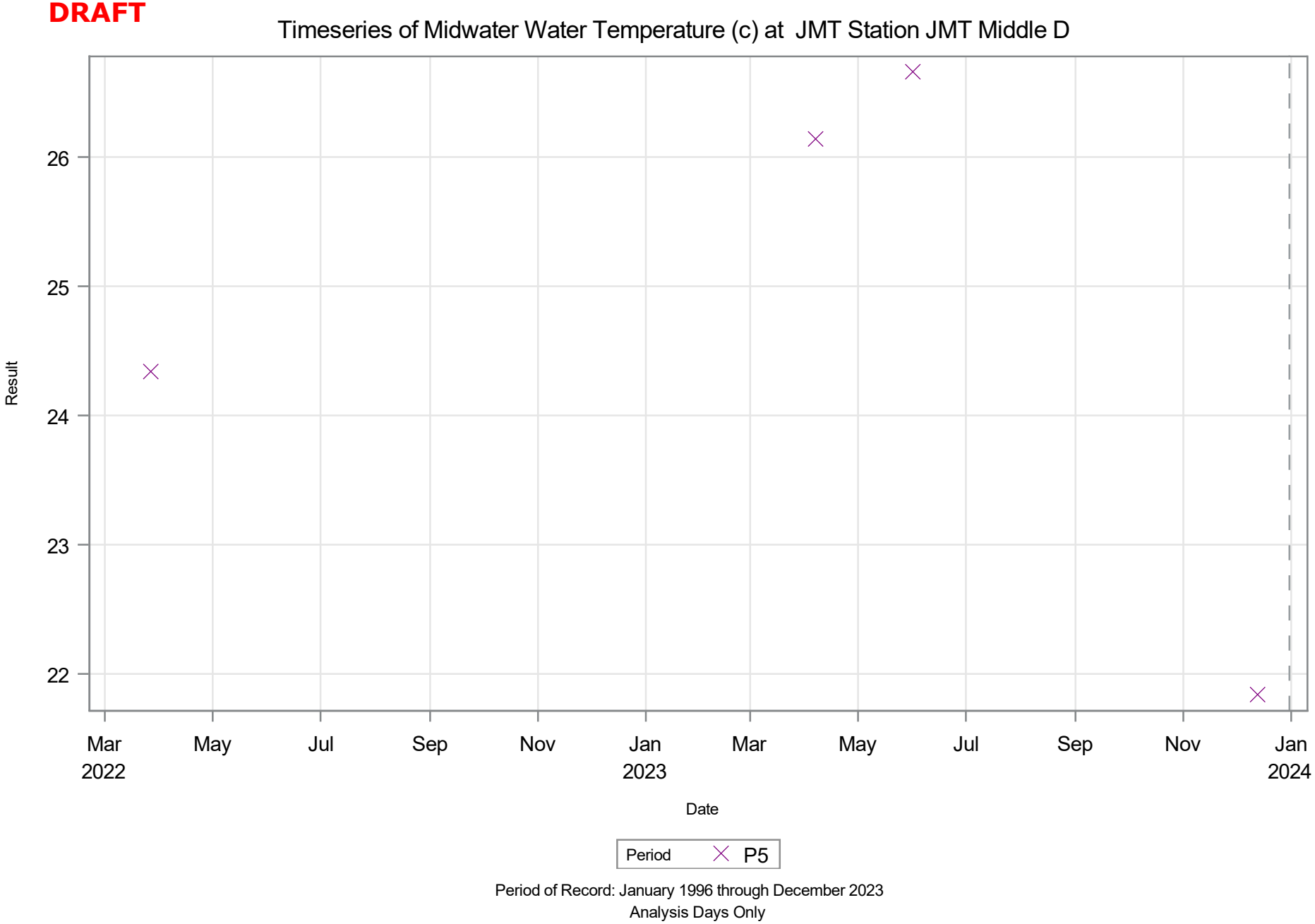
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	22.26	23.29	24.97	25.20	26.66	27.24

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Middle D
Result
27
26
25
24
23
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

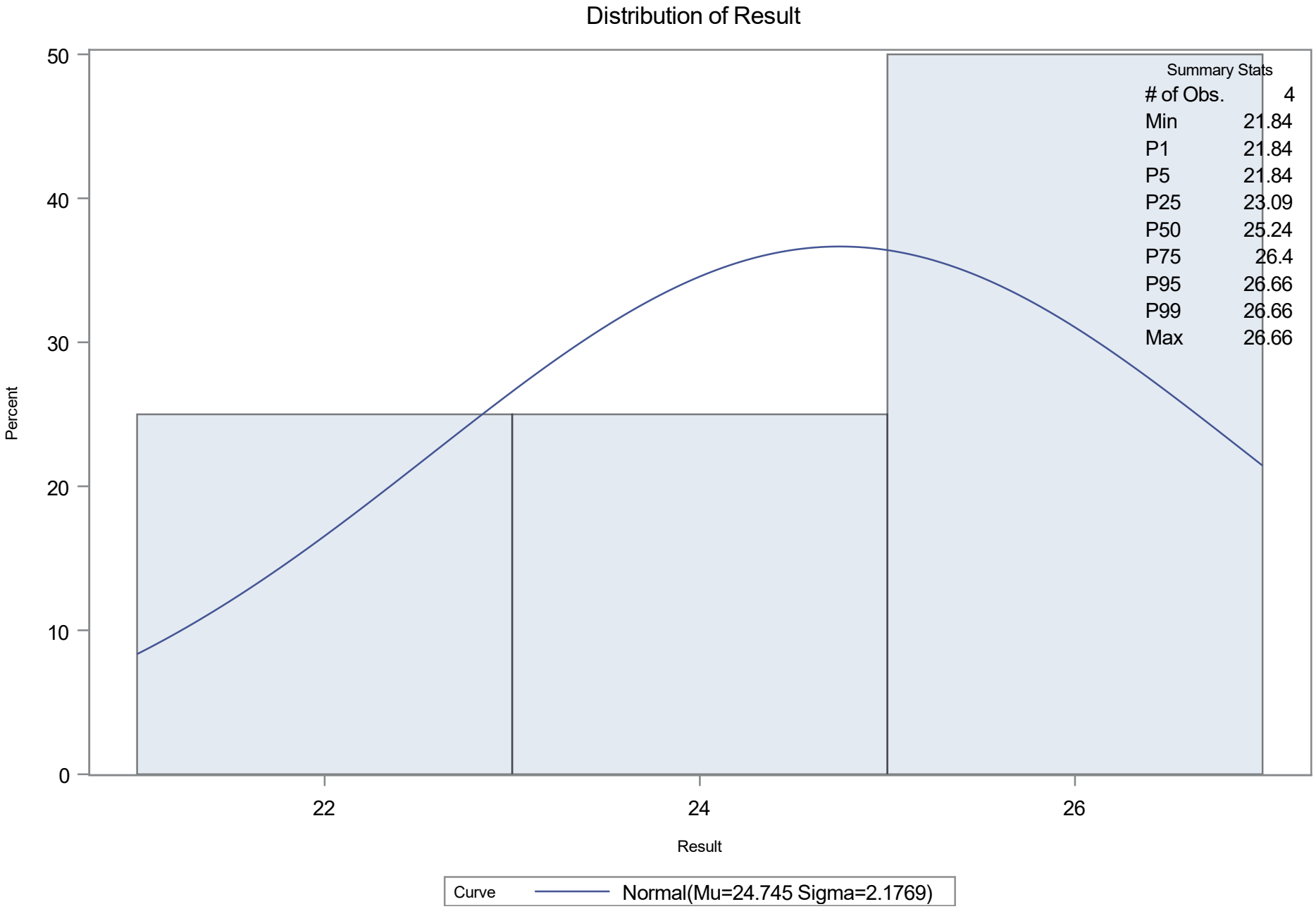
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.745
Std Dev	Sigma	2.176871

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23918281	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04180891	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26939887	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.8400	19.6808
5.0	21.8400	21.1644
10.0	21.8400	21.9552
25.0	23.0900	23.2767
50.0	25.2400	24.7450
75.0	26.4000	26.2133
90.0	26.6600	27.5348
95.0	26.6600	28.3256
99.0	26.6600	29.8092

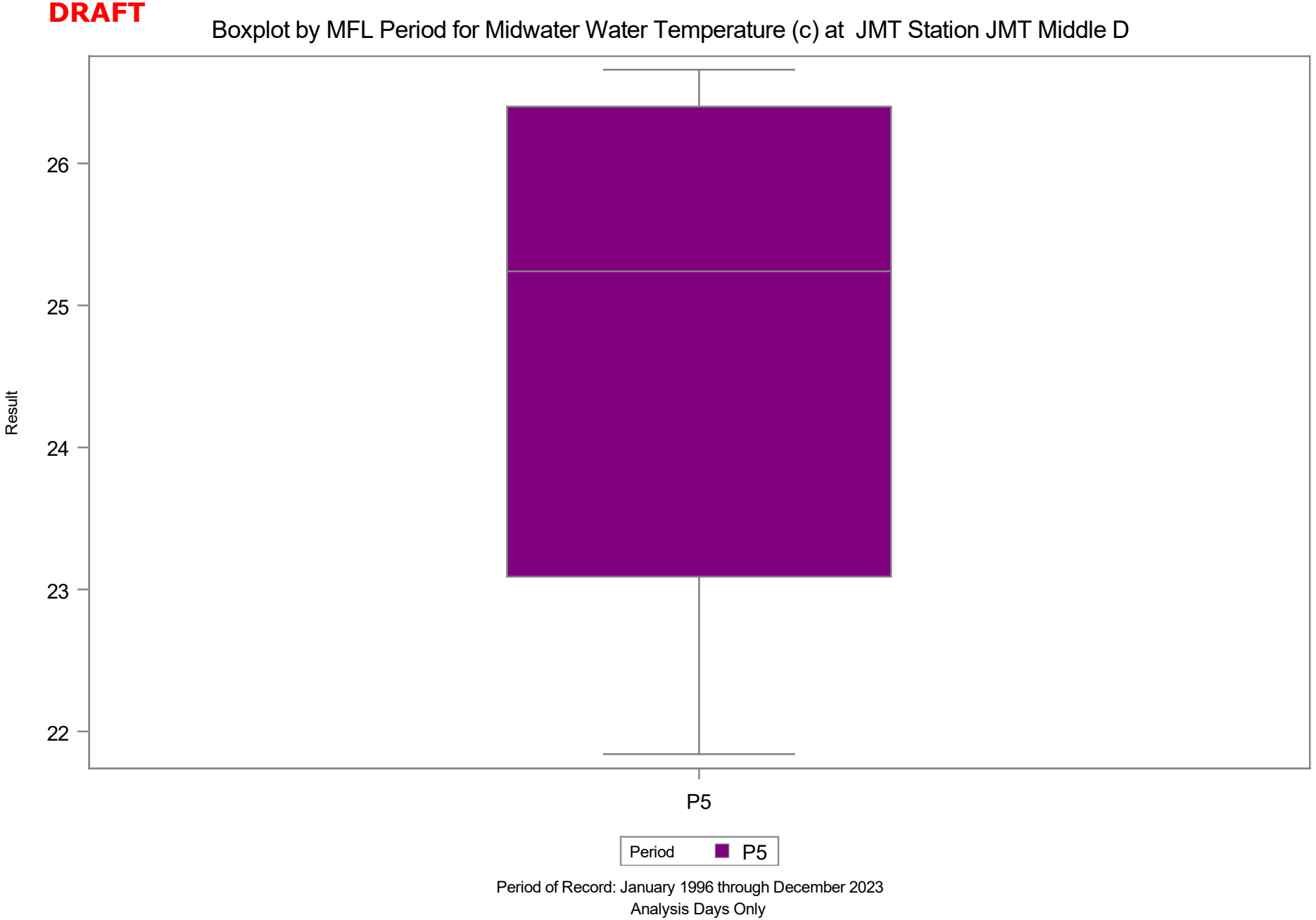
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Middle D**

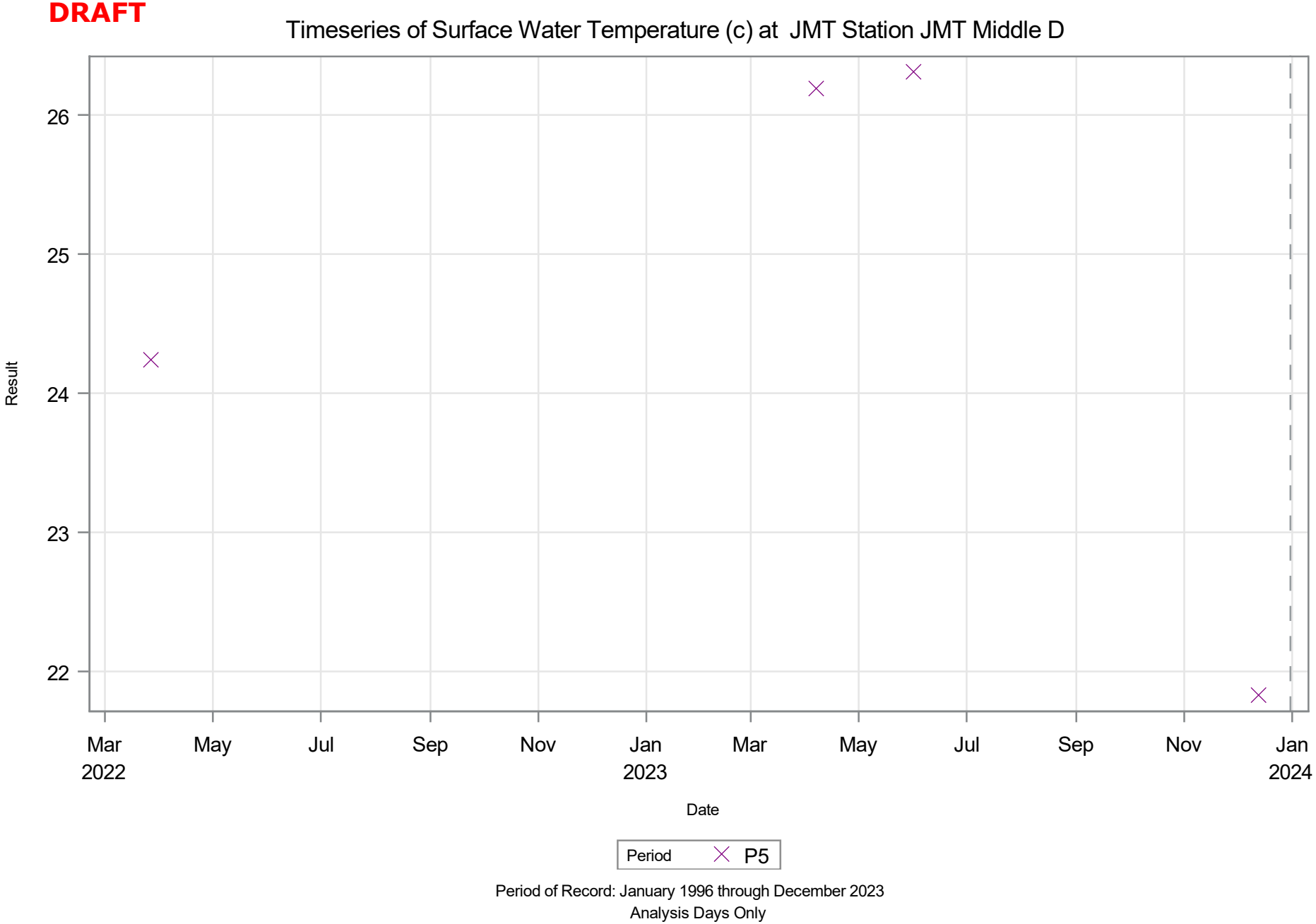
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	21.84	23.09	24.75	25.24	26.40	26.66

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

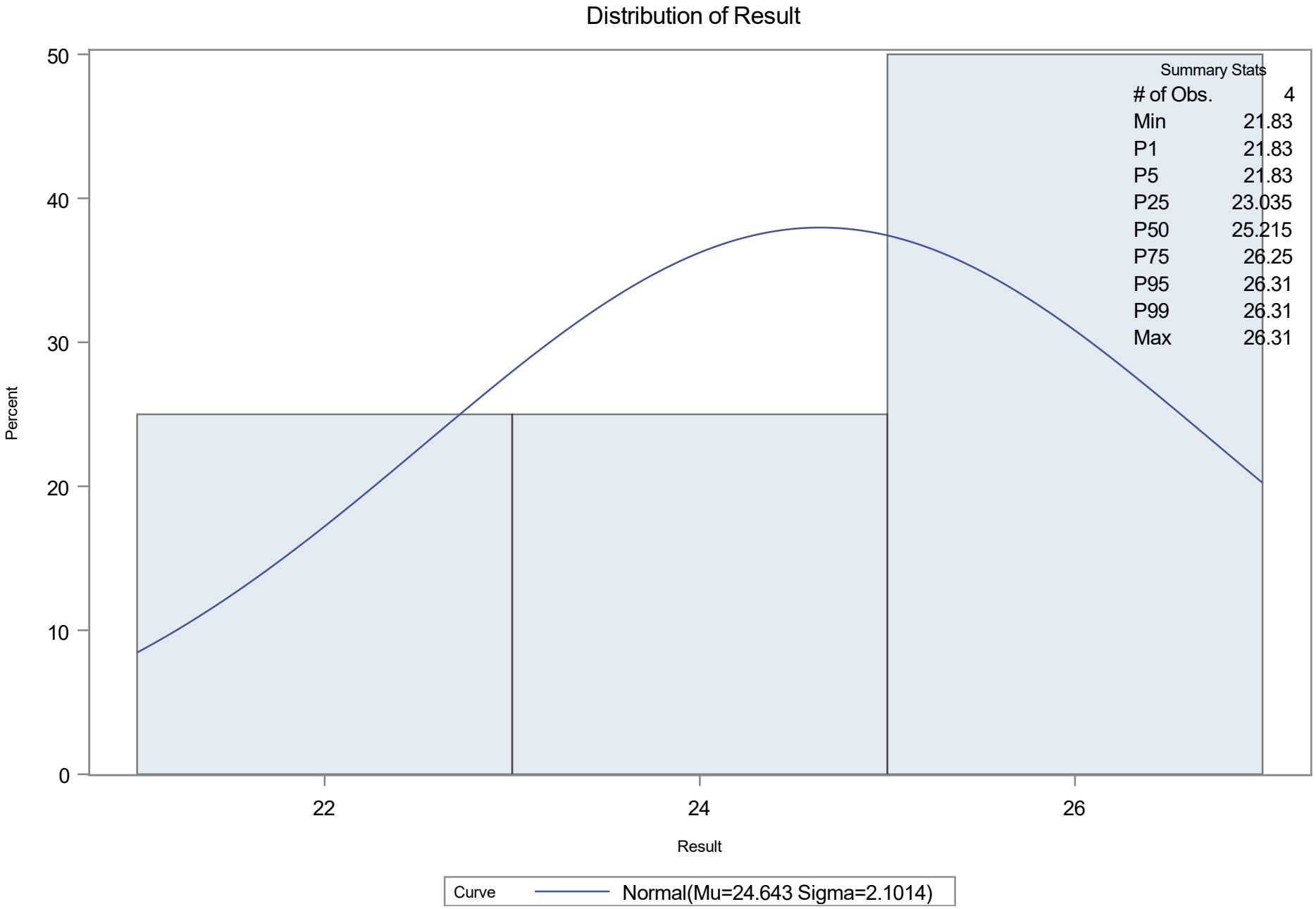

Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Middle D
Result
26
25
24
23
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Middle D
Result
26
25
24
23
22
Mar
2022
May
Jul
Sep
Nov
Jan
2023
Mar
May
Jul
Sep
Nov
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle D



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Middle D

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.6425
Std Dev	Sigma	2.101386

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26926200	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05312338	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33412421	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.8300	19.7539
5.0	21.8300	21.1860
10.0	21.8300	21.9495
25.0	23.0350	23.2251
50.0	25.2150	24.6425
75.0	26.2500	26.0599
90.0	26.3100	27.3355
95.0	26.3100	28.0990
99.0	26.3100	29.5311

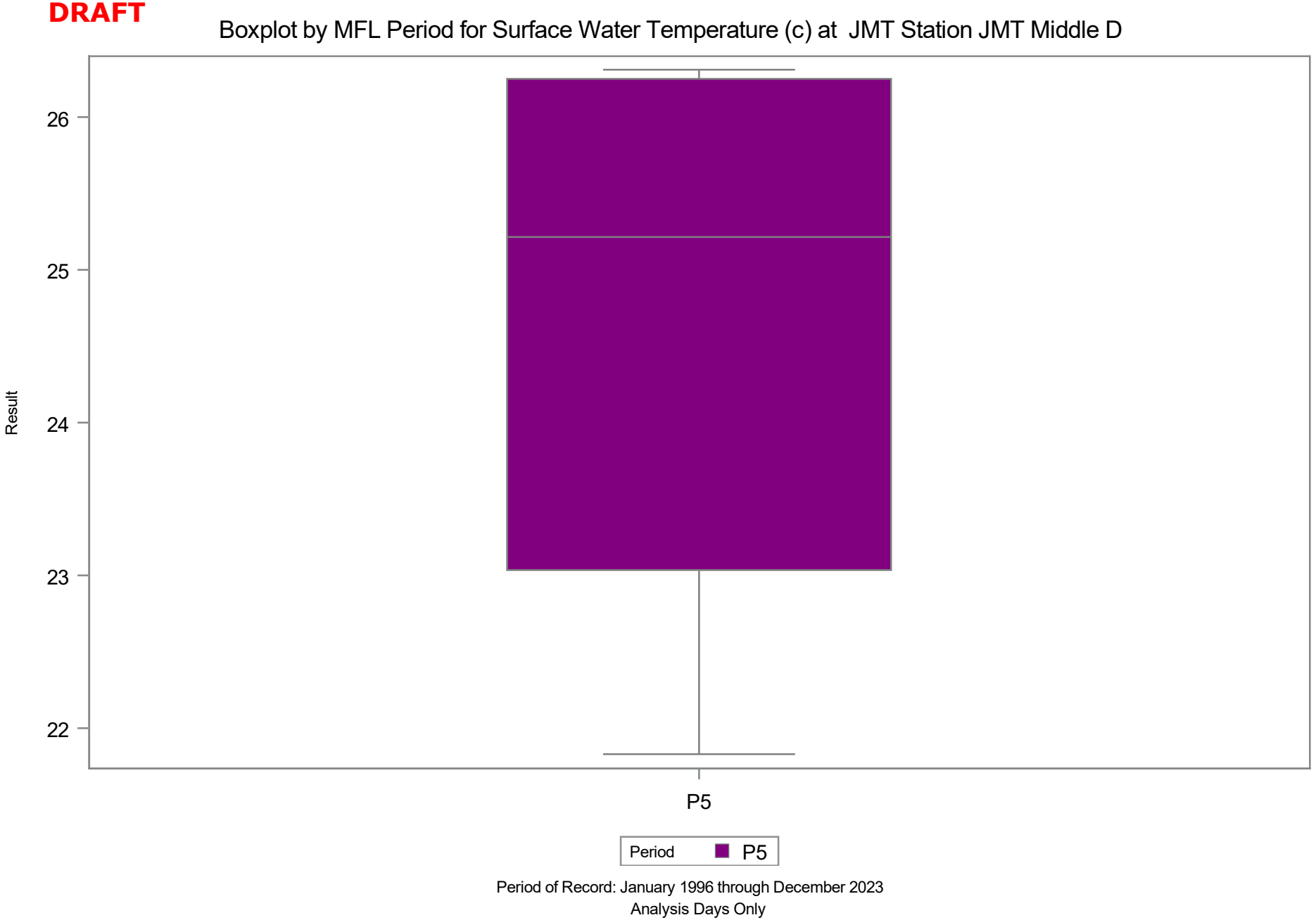
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Middle D**

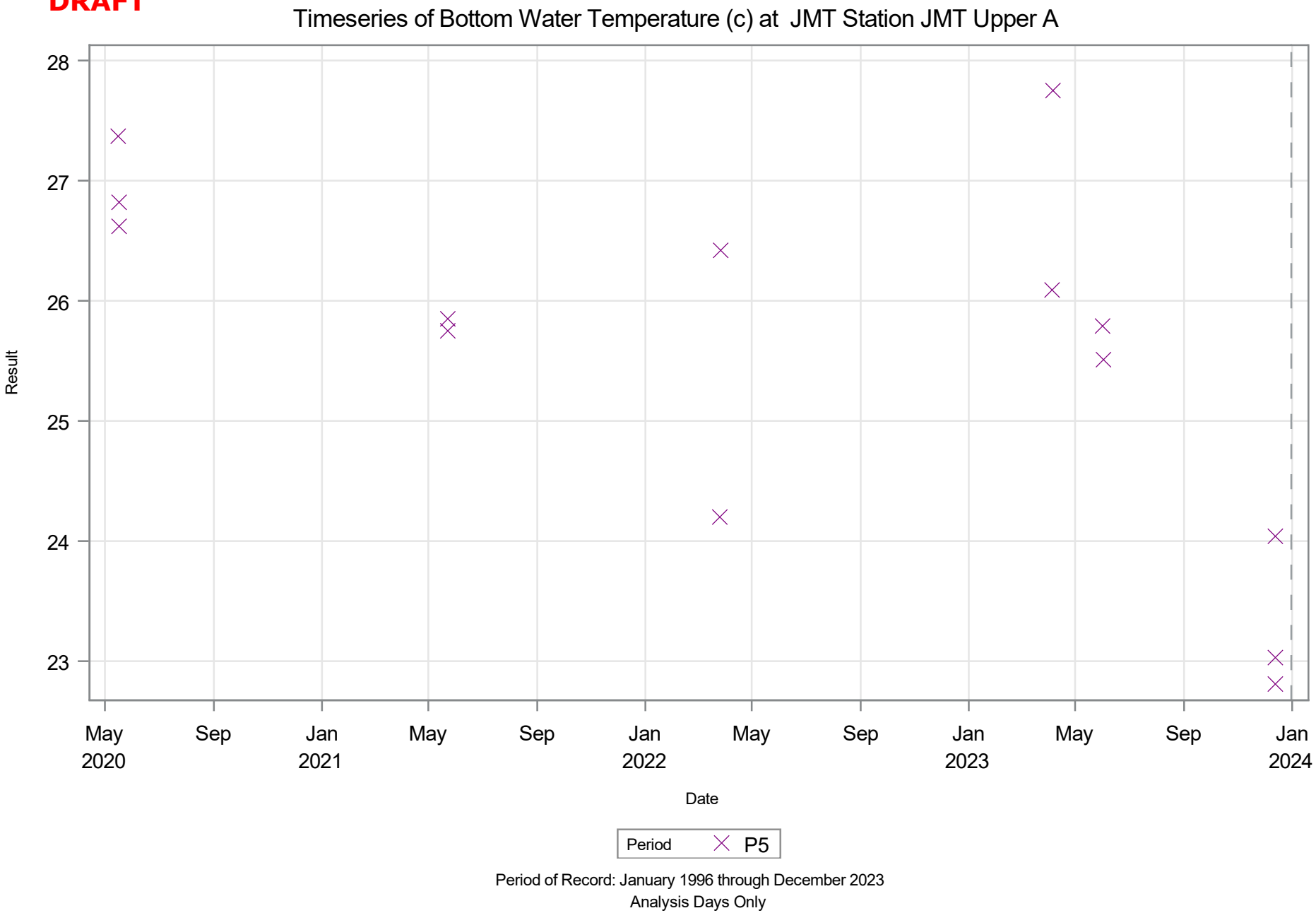
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	21.83	23.03	24.64	25.22	26.25	26.31

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Middle D
Result
26
25
24
23
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

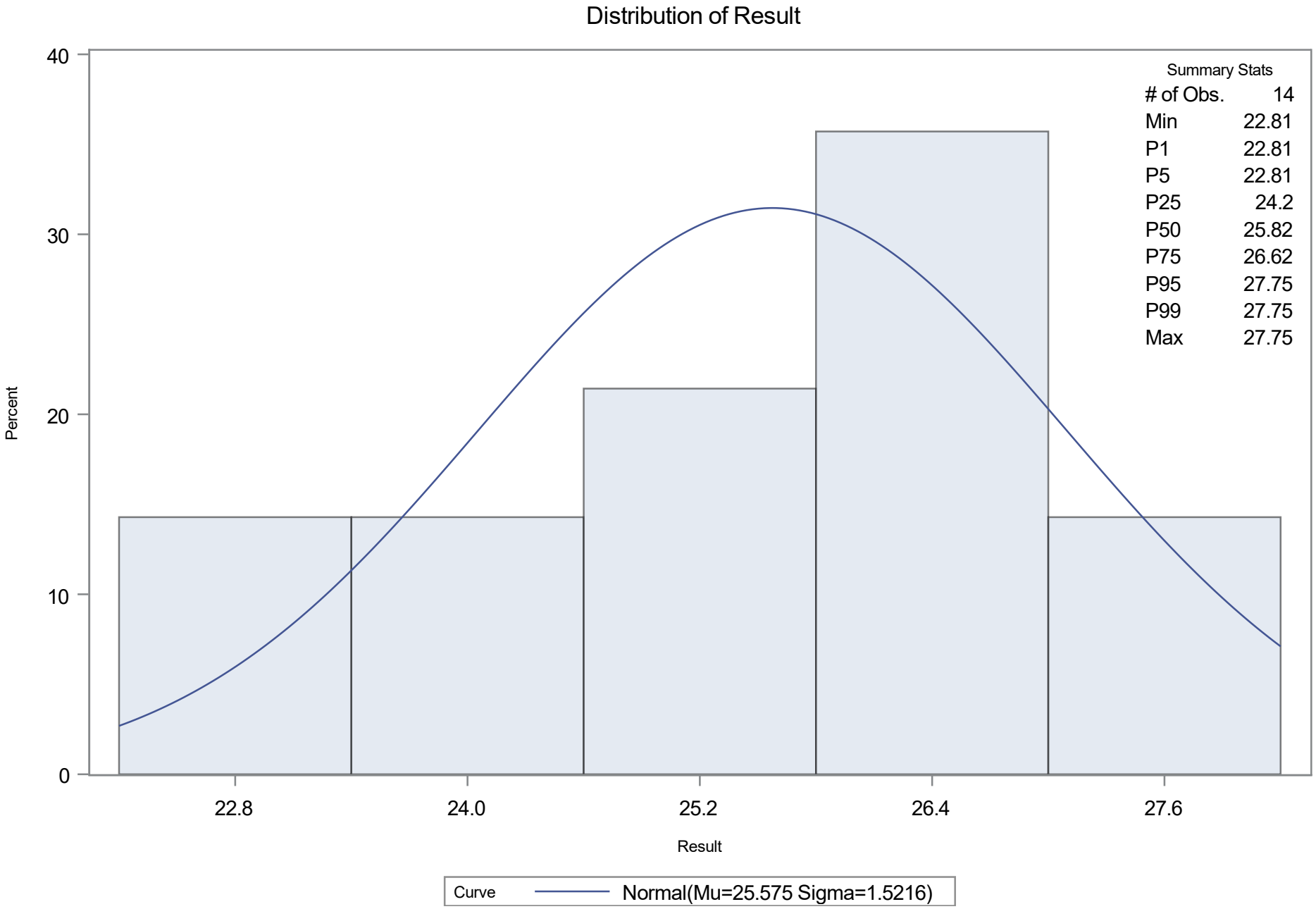
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.575
Std Dev	Sigma	1.521632

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.19724917	**Pr > D**	0.143
Cramer-von Mises	**W-Sq**	0.07800274	**Pr > W-Sq**	0.210
Anderson-Darling	**A-Sq**	0.43288436	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.8100	22.0352
5.0	22.8100	23.0721
10.0	23.0300	23.6249
25.0	24.2000	24.5487
50.0	25.8200	25.5750
75.0	26.6200	26.6013
90.0	27.3700	27.5251
95.0	27.7500	28.0779
99.0	27.7500	29.1148

Period of Record: January 1996 through December 2023
Analysis Days Only

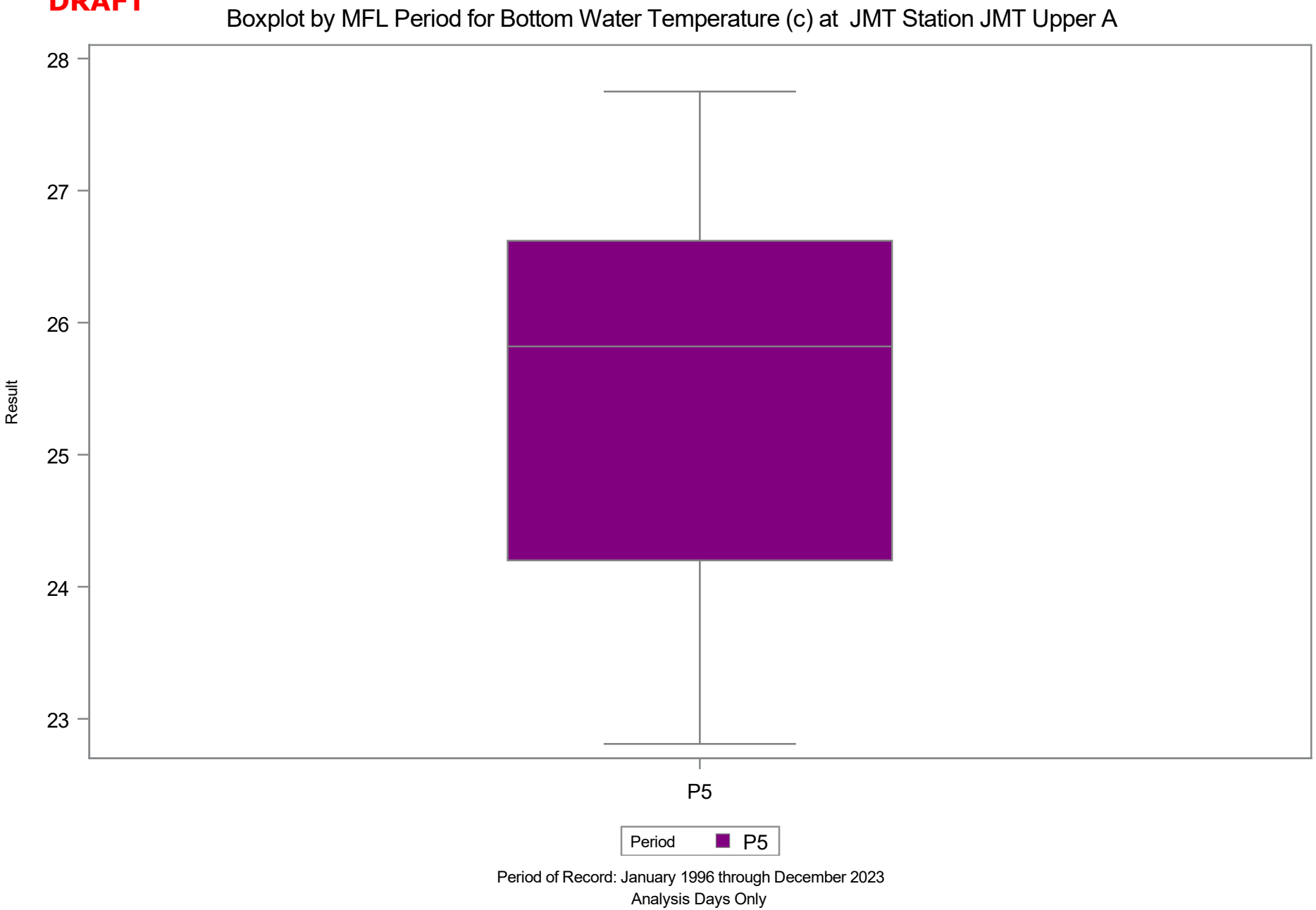
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Upper A

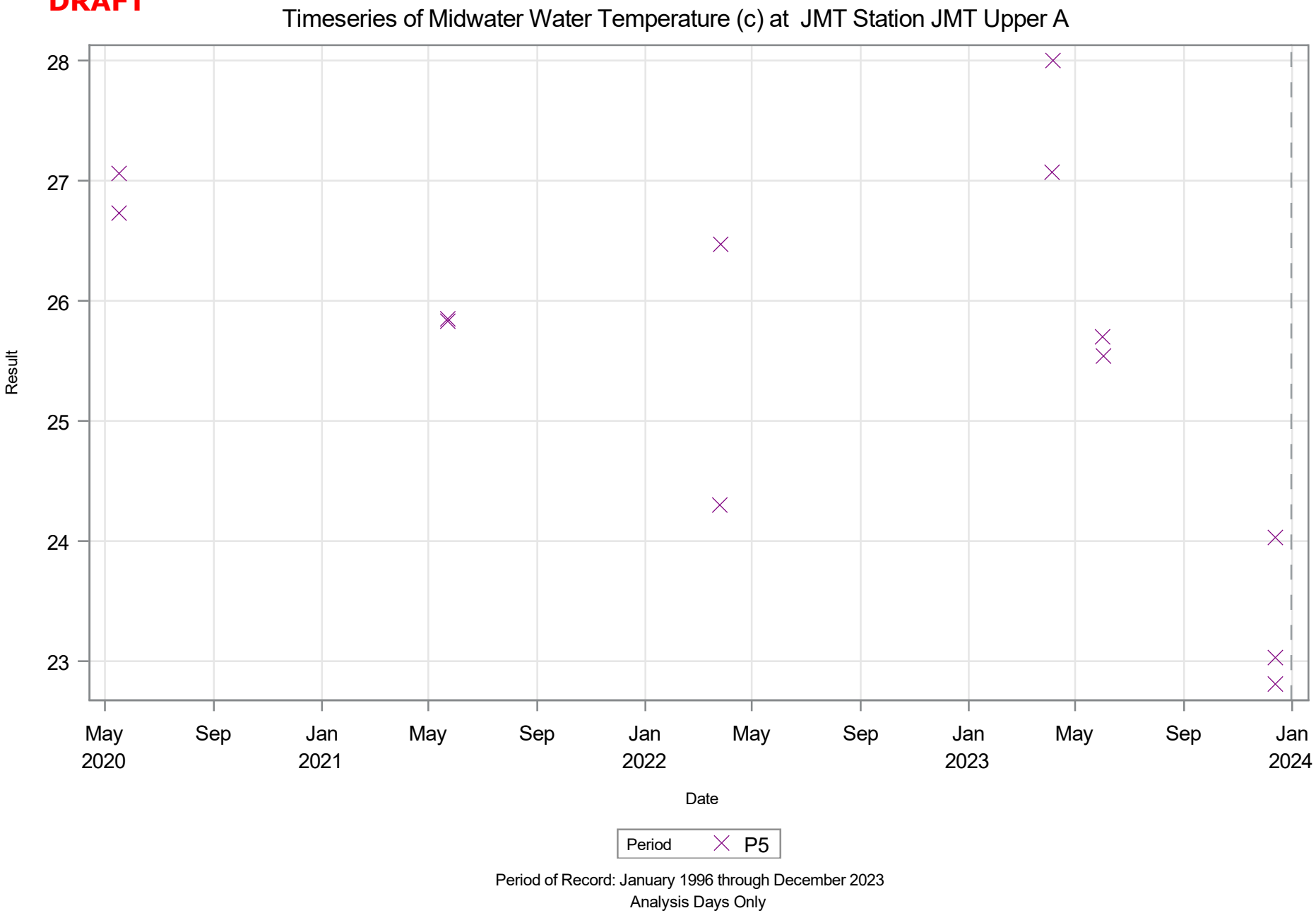
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	22.81	24.20	25.58	25.82	26.62	27.75

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

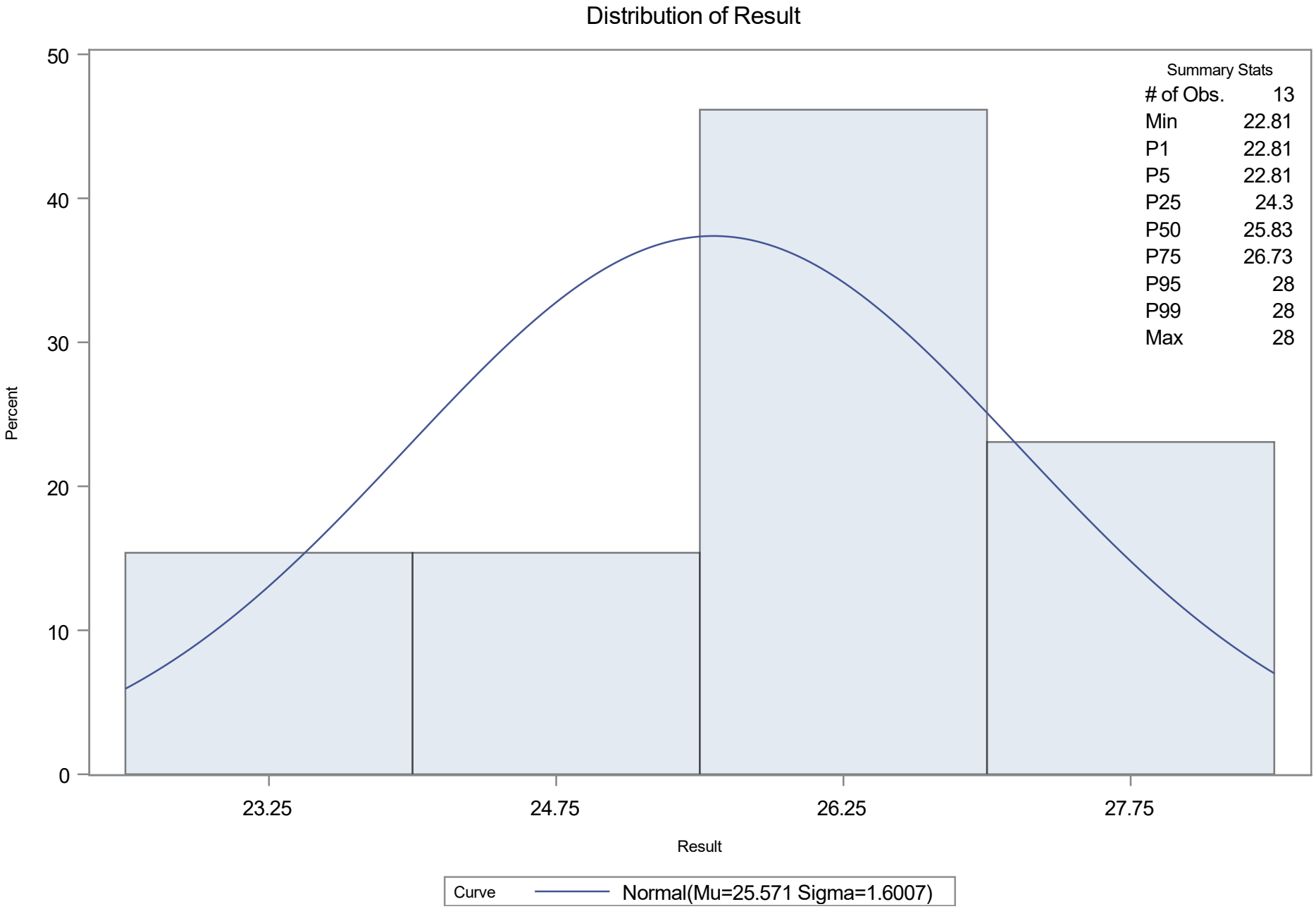

Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Upper A
28
27
26
25
24
23
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at JMT Station JMT Upper A
Result
28
27
26
25
24
23
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.57077
Std Dev	Sigma	1.600731

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18463970	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06020572	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35185730	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.8100	21.8469
5.0	22.8100	22.9378
10.0	23.0300	23.5193
25.0	24.3000	24.4911
50.0	25.8300	25.5708
75.0	26.7300	26.6504
90.0	27.0700	27.6222
95.0	28.0000	28.2037
99.0	28.0000	29.2946

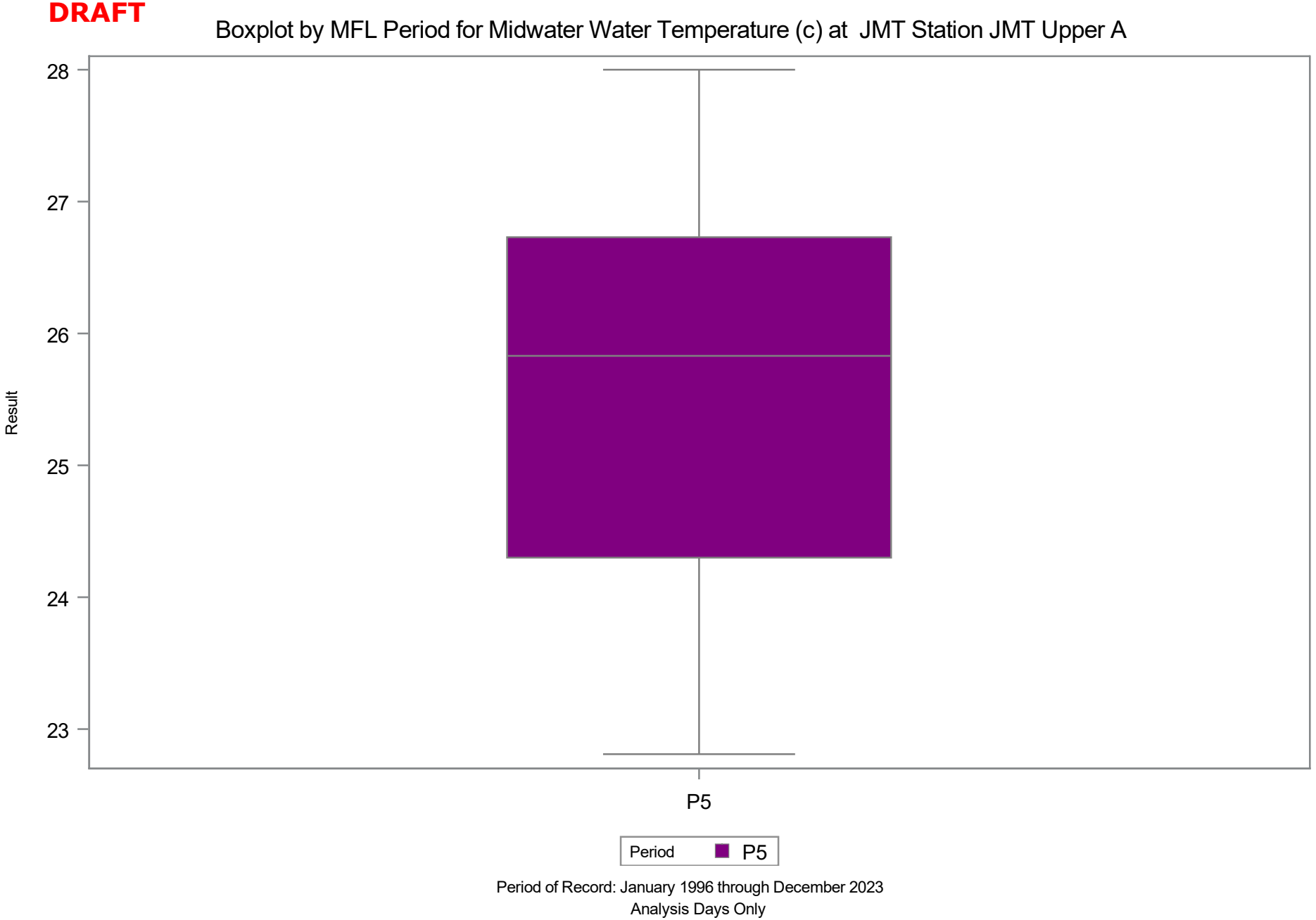
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Upper A**

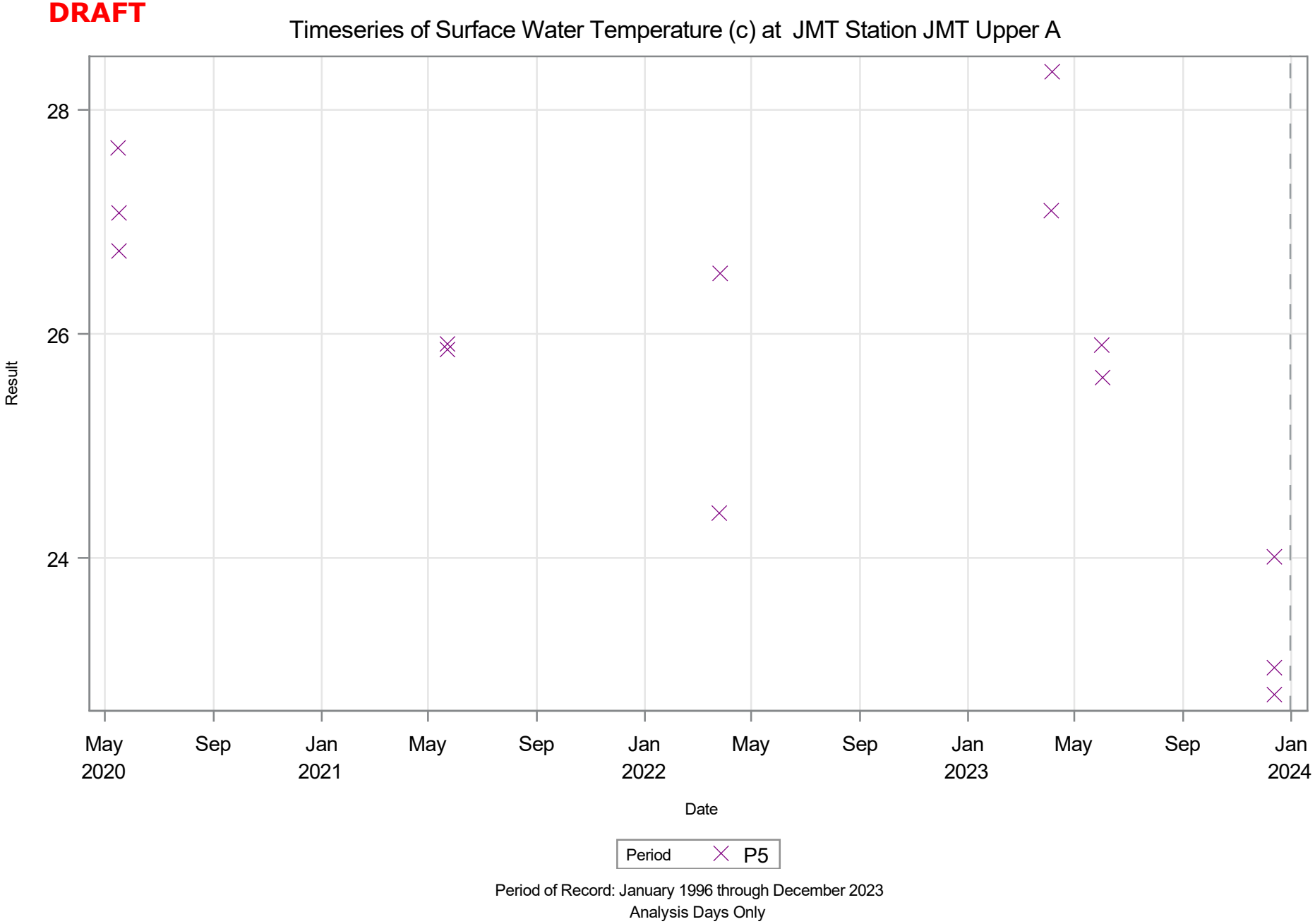
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	22.81	24.30	25.57	25.83	26.73	28.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

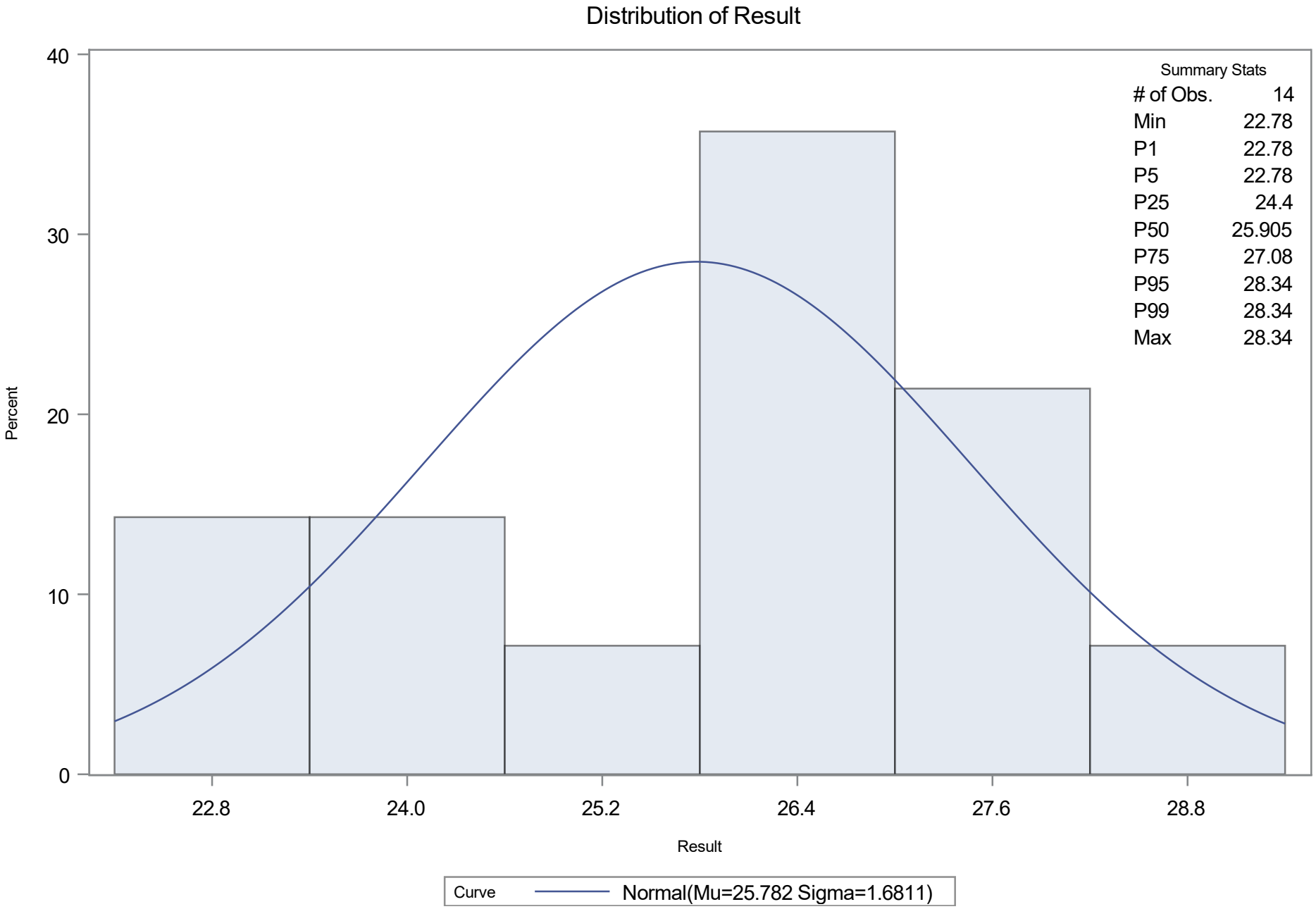

Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Upper A
28
27
26
25
24
23
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Upper A
Result
28
26
24
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Upper A



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Upper A

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.78214
Std Dev	Sigma	1.681141

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17350671	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06068302	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.35073531	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	22.7800	21.8712
5.0	22.7800	23.0169
10.0	23.0200	23.6277
25.0	24.4000	24.6482
50.0	25.9050	25.7821
75.0	27.0800	26.9161
90.0	27.6600	27.9366
95.0	28.3400	28.5474
99.0	28.3400	29.6931

Period of Record: January 1996 through December 2023
Analysis Days Only

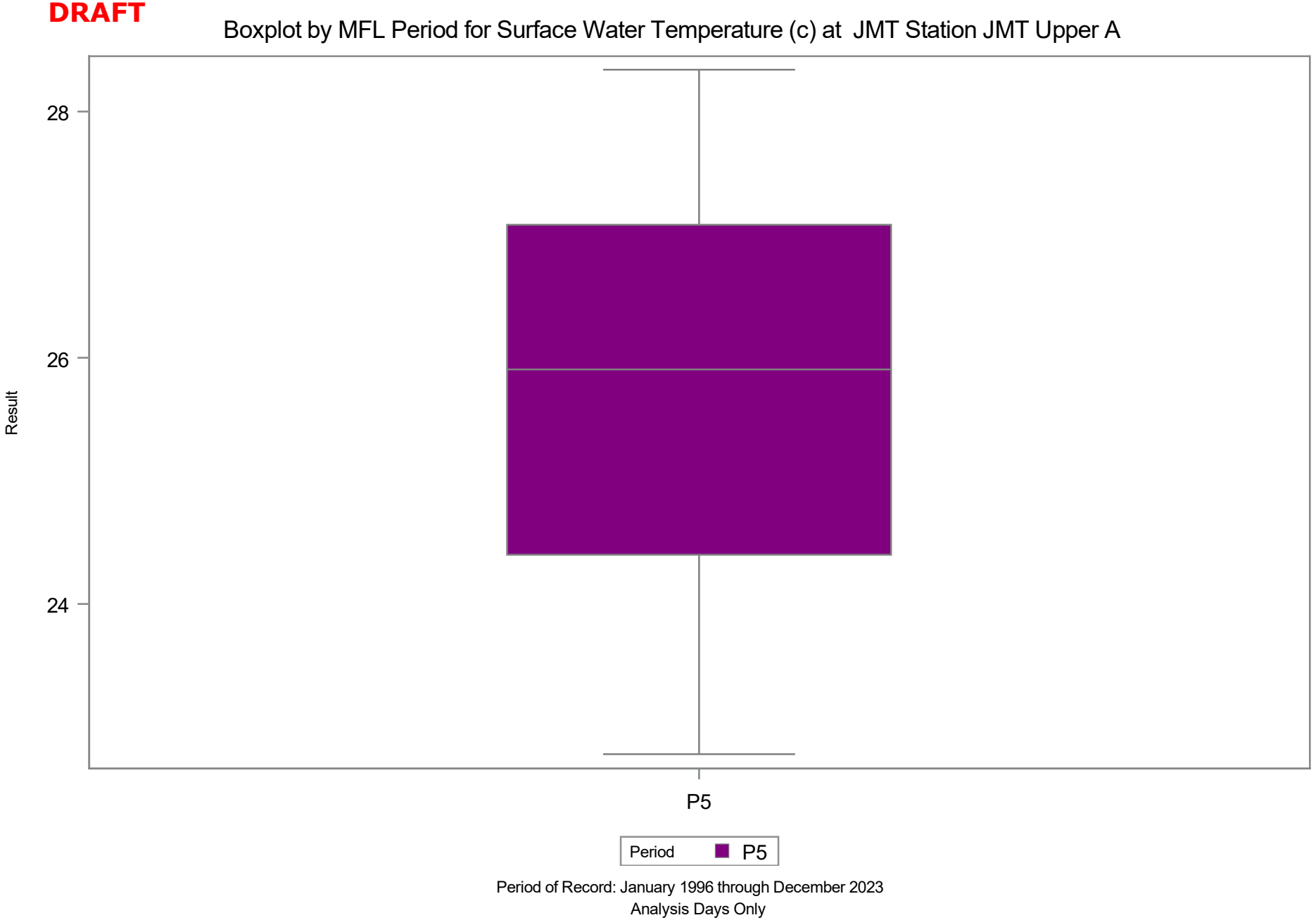
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Upper A

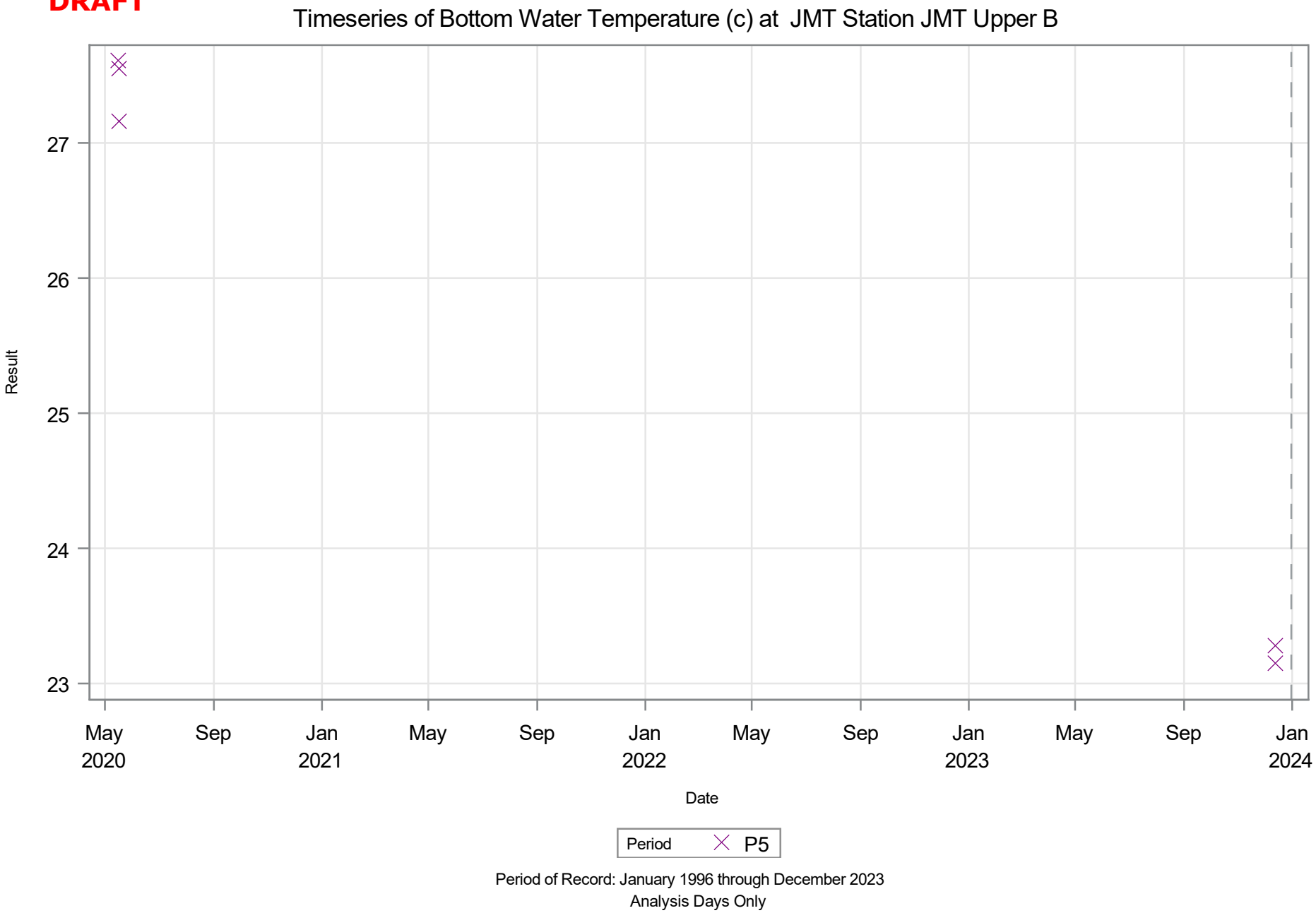
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	14	22.78	24.40	25.78	25.91	27.08	28.34

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

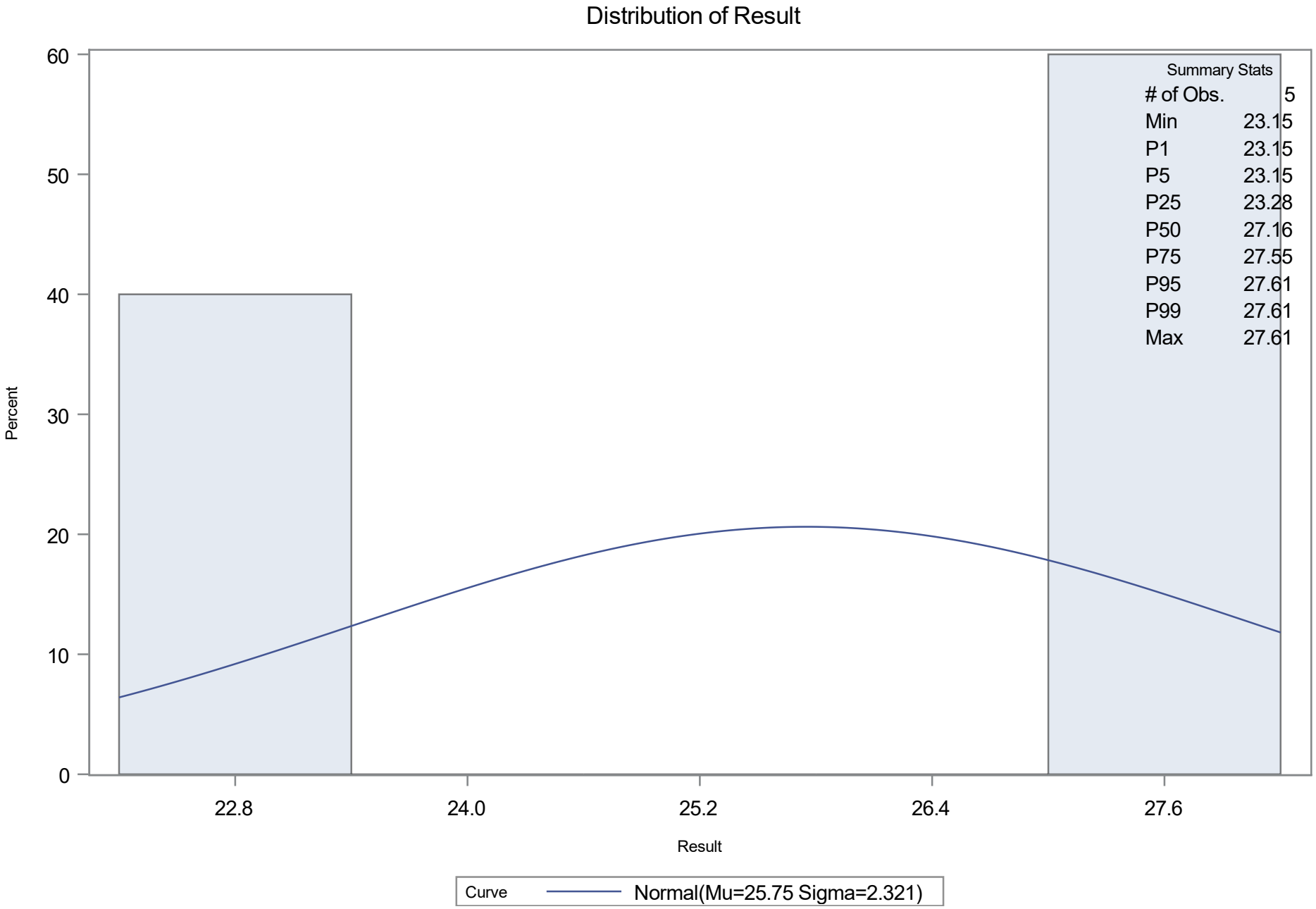

Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Upper A
28
26
24
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at JMT Station JMT Upper B
Result
27
26
25
24
23
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.75
Std Dev	Sigma	2.321023

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.32823732	**Pr > D**	0.076
Cramer-von Mises	**W-Sq**	0.11317495	**Pr > W-Sq**	0.053
Anderson-Darling	**A-Sq**	0.65640128	**Pr > A-Sq**	0.037

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	23.1500	20.3505
5.0	23.1500	21.9323
10.0	23.1500	22.7755
25.0	23.2800	24.1845
50.0	27.1600	25.7500
75.0	27.5500	27.3155
90.0	27.6100	28.7245
95.0	27.6100	29.5677
99.0	27.6100	31.1495

Period of Record: January 1996 through December 2023
Analysis Days Only

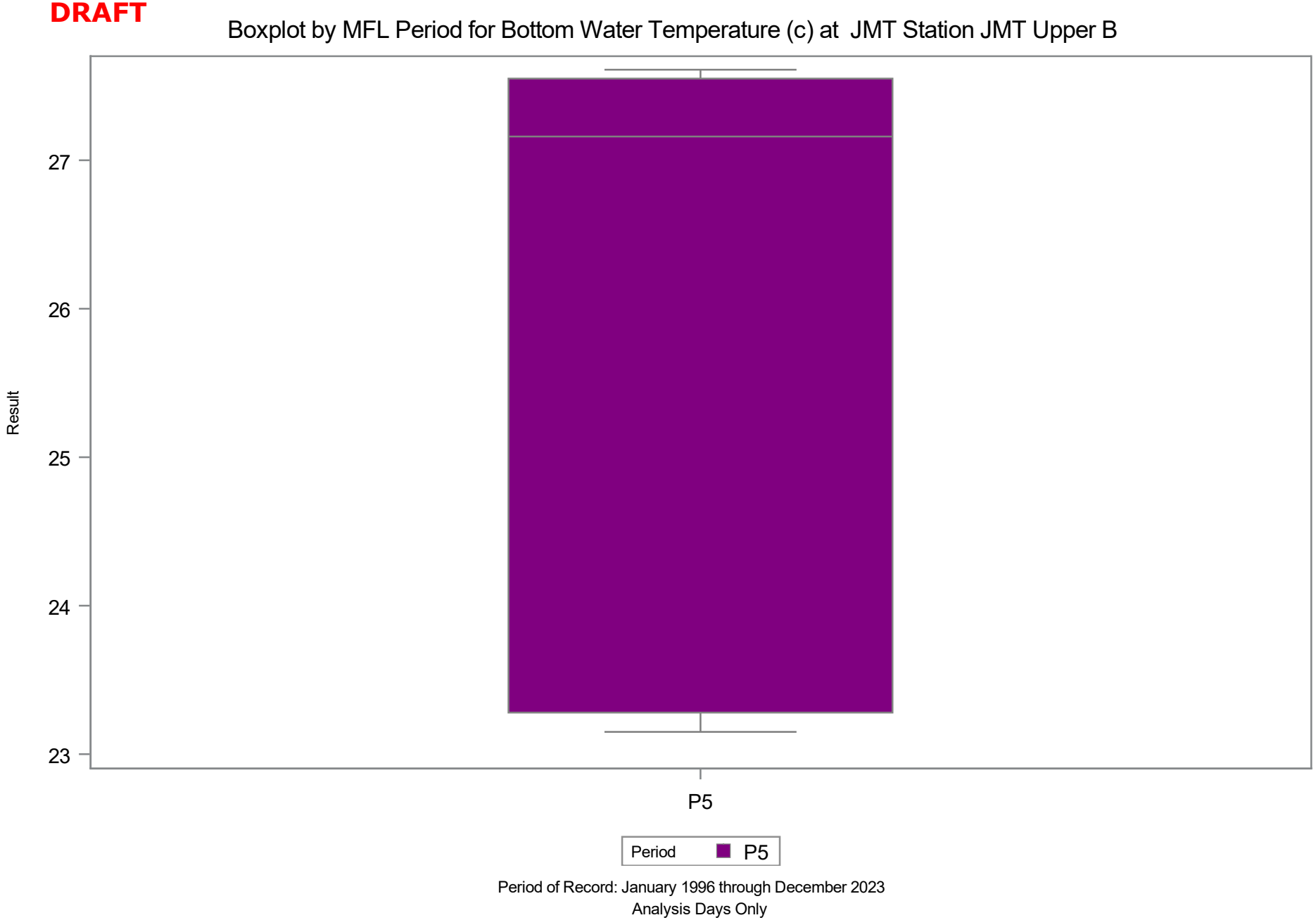
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Upper B

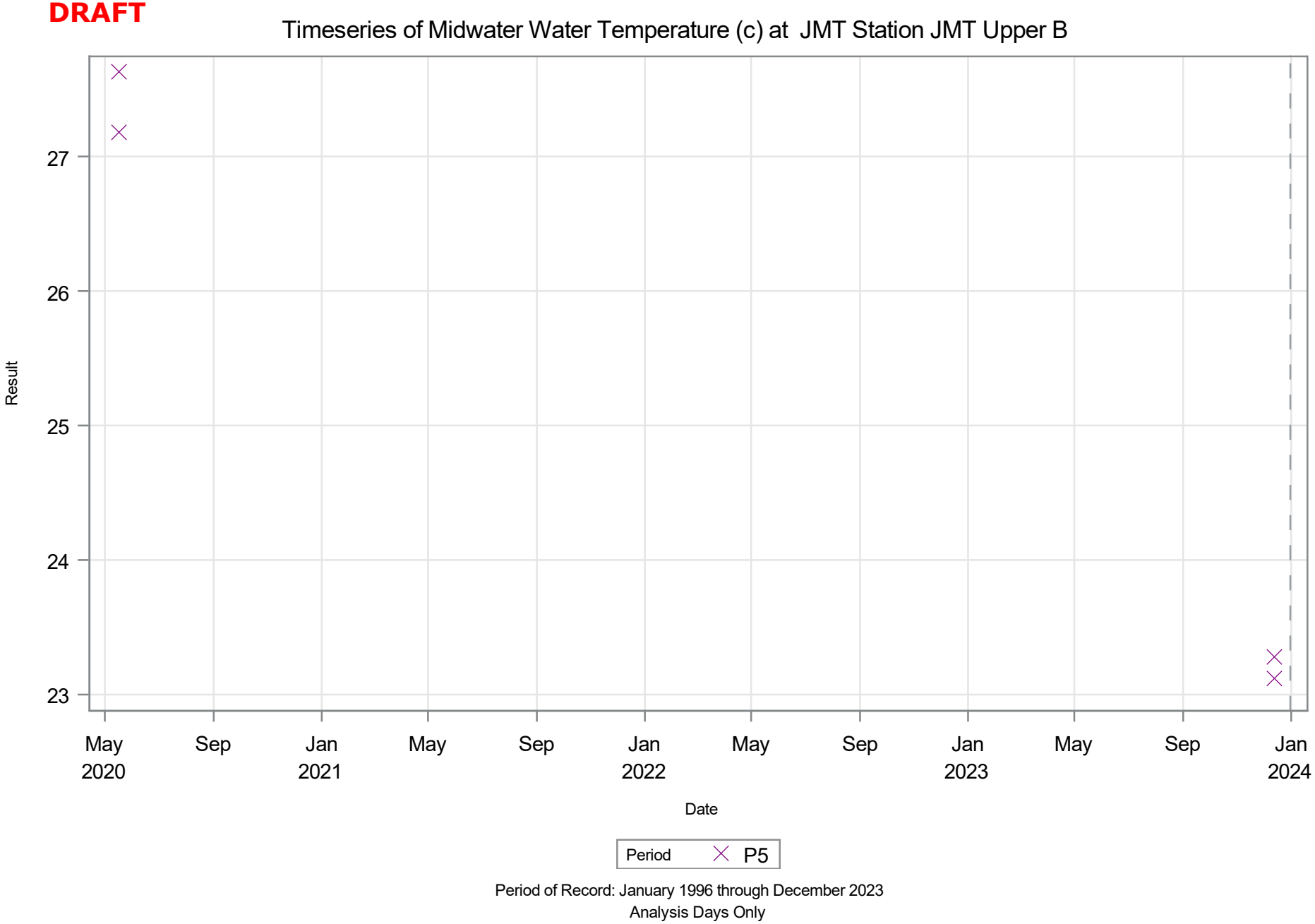
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	23.15	23.28	25.75	27.16	27.55	27.61

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

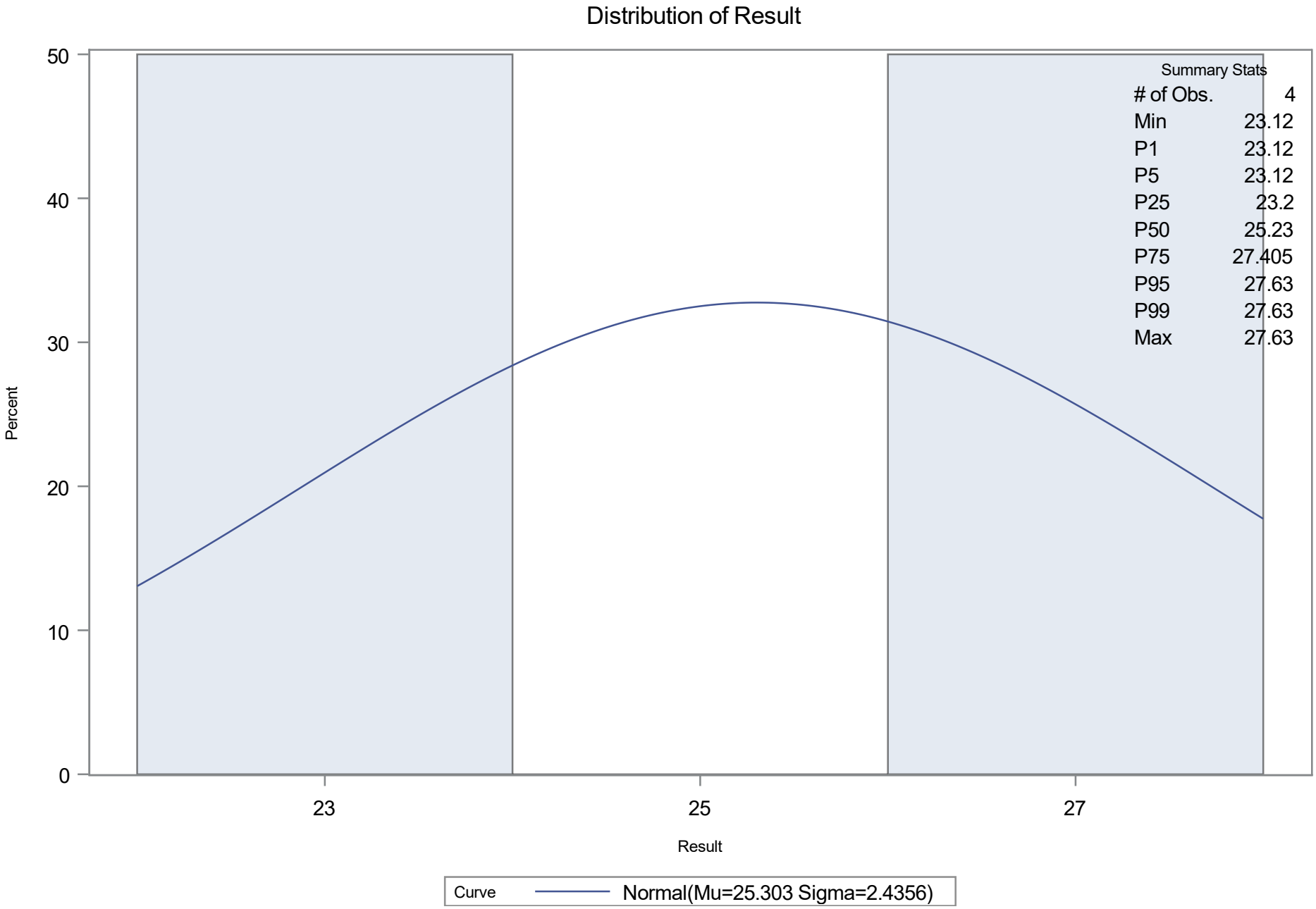

Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Upper B
Result
27
26
25
24
23
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at JMT Station JMT Upper B
Result
27
26
25
24
23
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.3025
Std Dev	Sigma	2.435575

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29684351	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.07987082	**Pr > W-Sq**	0.157
Anderson-Darling	**A-Sq**	0.47342284	**Pr > A-Sq**	0.102

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	23.1200	19.6365
5.0	23.1200	21.2963
10.0	23.1200	22.1812
25.0	23.2000	23.6597
50.0	25.2300	25.3025
75.0	27.4050	26.9453
90.0	27.6300	28.4238
95.0	27.6300	29.3087
99.0	27.6300	30.9685

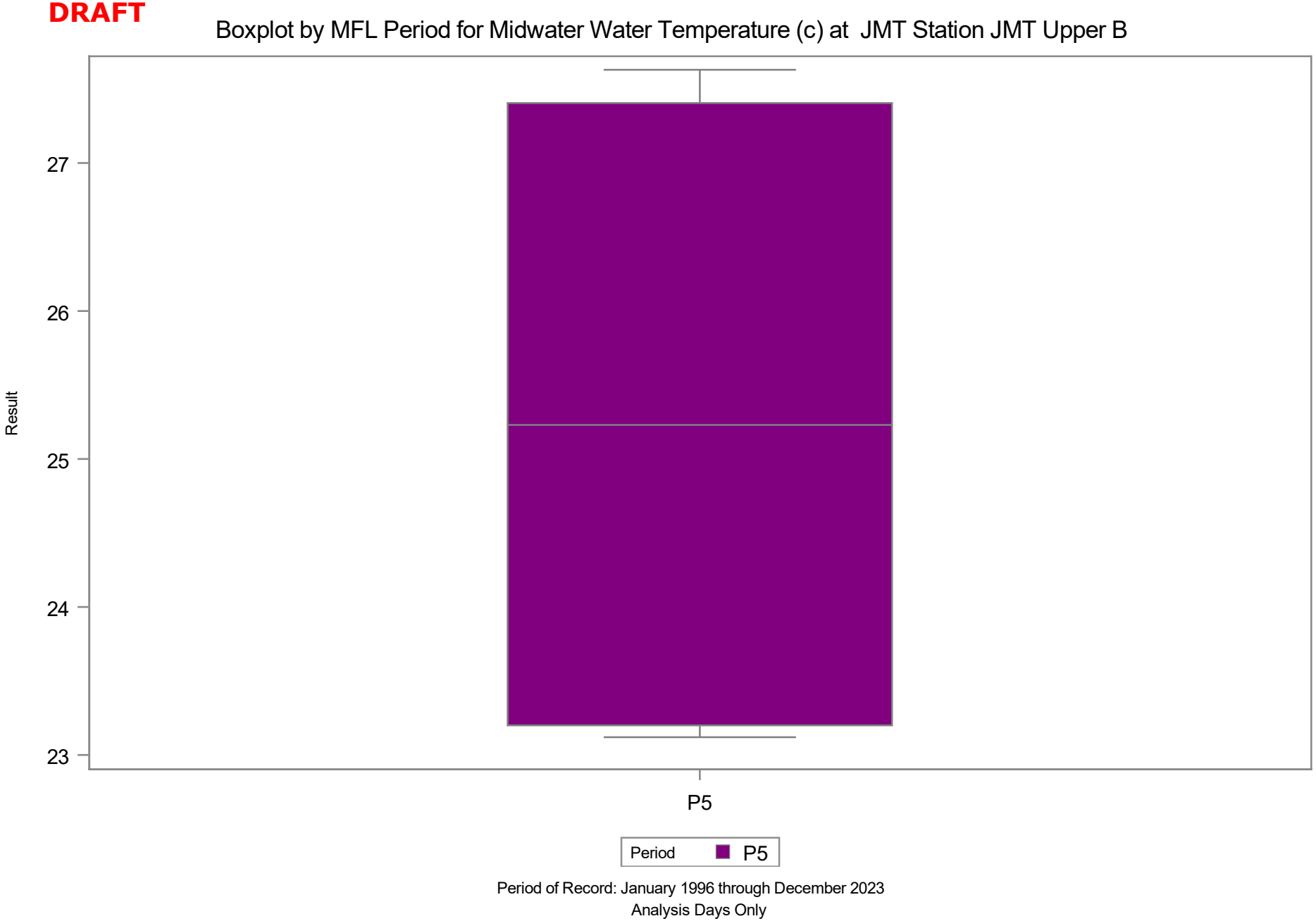
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Upper B**

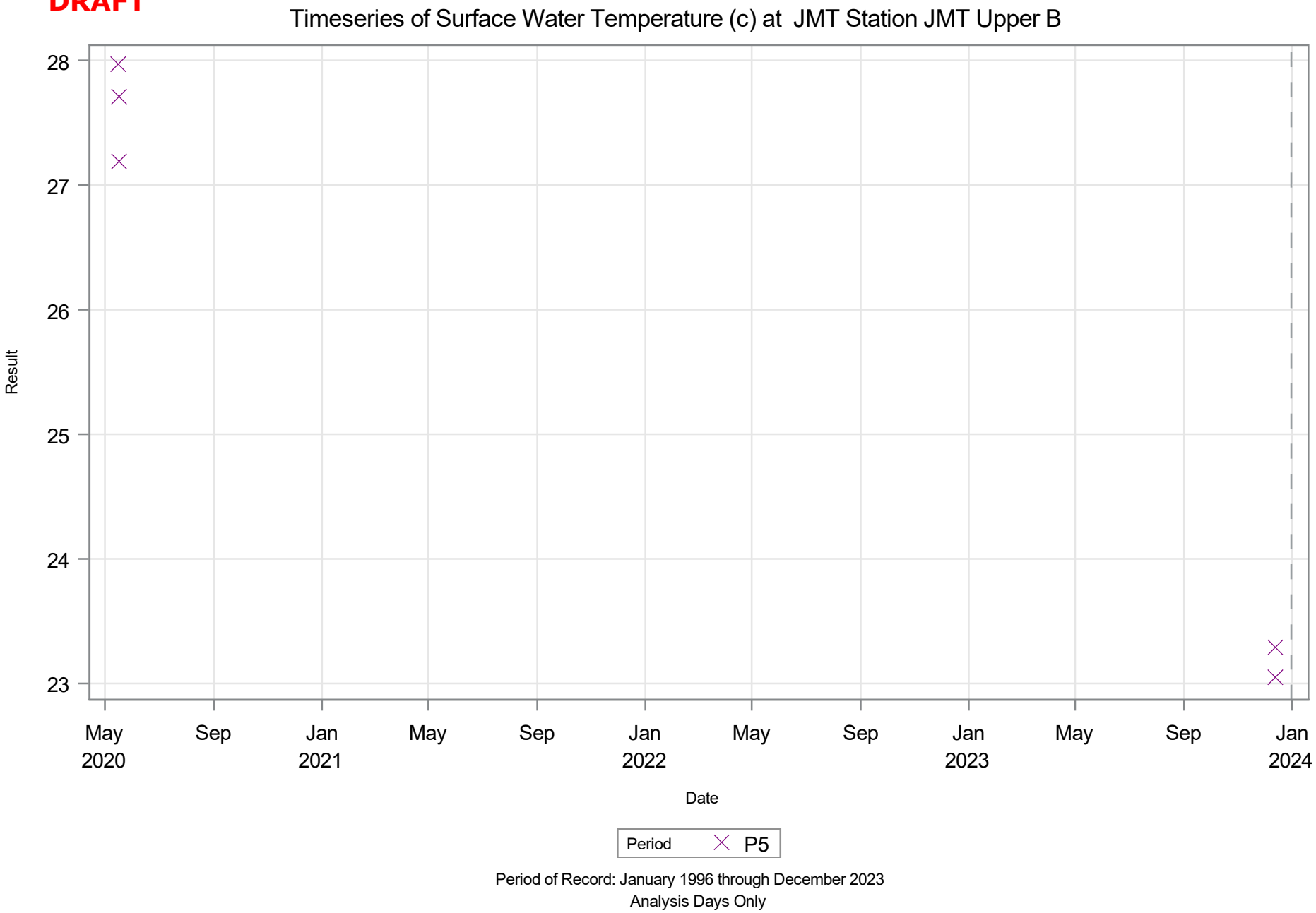
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	4	23.12	23.20	25.30	25.23	27.41	27.63

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

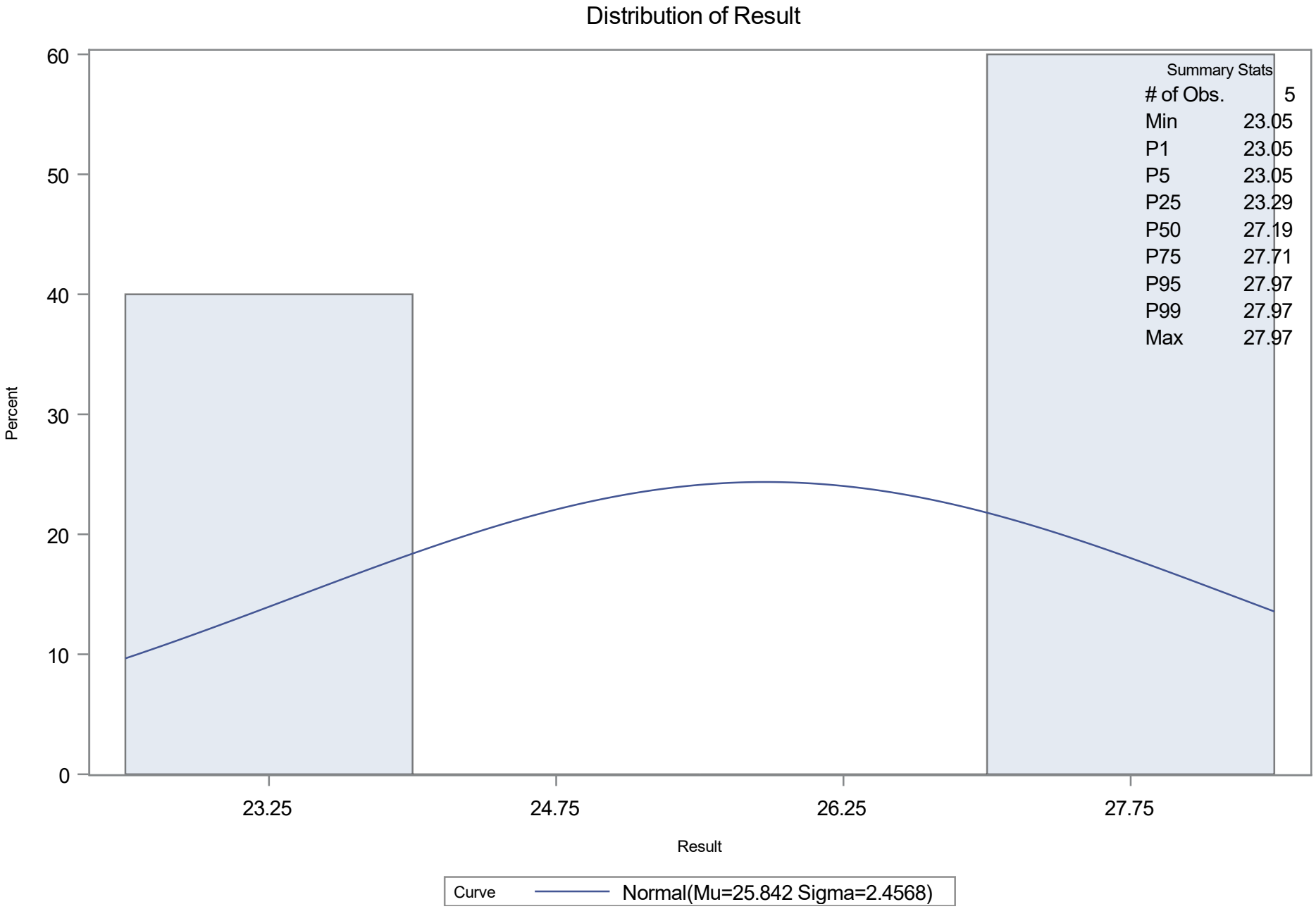

Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Upper B
Result
27
26
25
24
23
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Upper B
Result
28
27
26
25
24
23
May 2020
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Sep
Jan 2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Upper B



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Upper B

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.842
Std Dev	Sigma	2.45677

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.30839016	**Pr > D**	0.117
Cramer-von Mises	**W-Sq**	0.09806786	**Pr > W-Sq**	0.091
Anderson-Darling	**A-Sq**	0.57015527	**Pr > A-Sq**	0.069

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	23.0500	20.1267
5.0	23.0500	21.8010
10.0	23.0500	22.6935
25.0	23.2900	24.1849
50.0	27.1900	25.8420
75.0	27.7100	27.4991
90.0	27.9700	28.9905
95.0	27.9700	29.8830
99.0	27.9700	31.5573

Period of Record: January 1996 through December 2023
Analysis Days Only

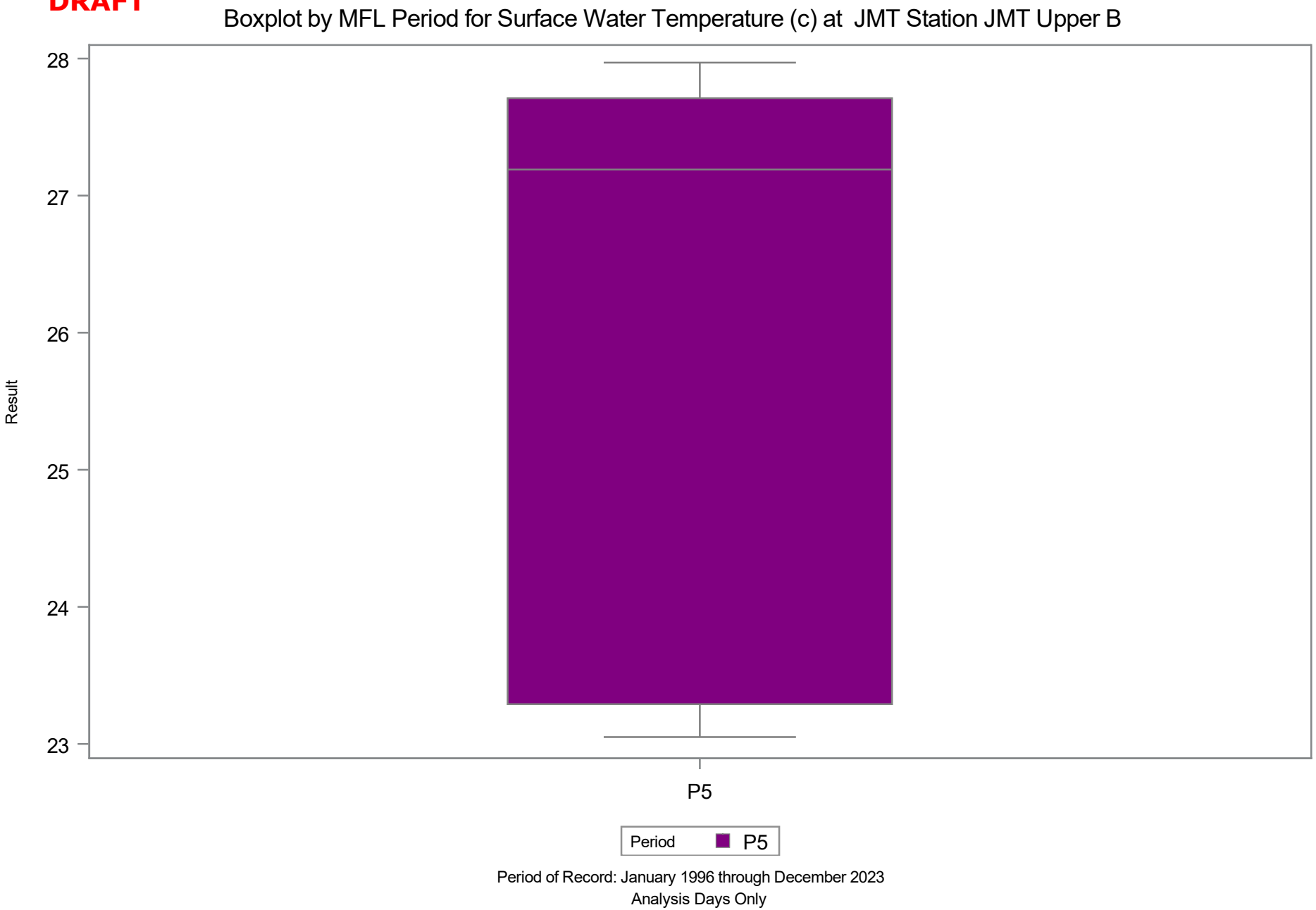
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Upper B

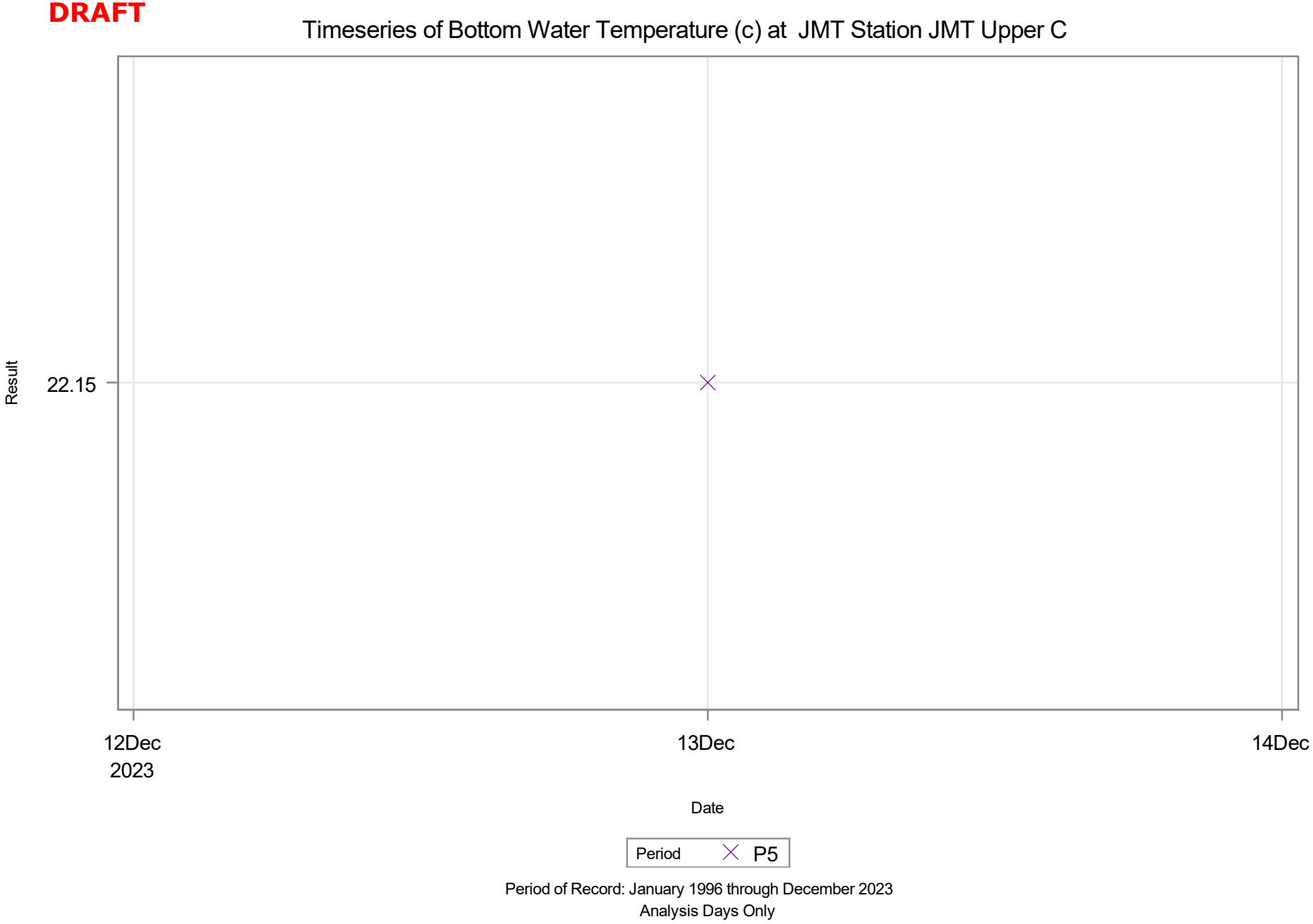
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	5	23.05	23.29	25.84	27.19	27.71	27.97

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

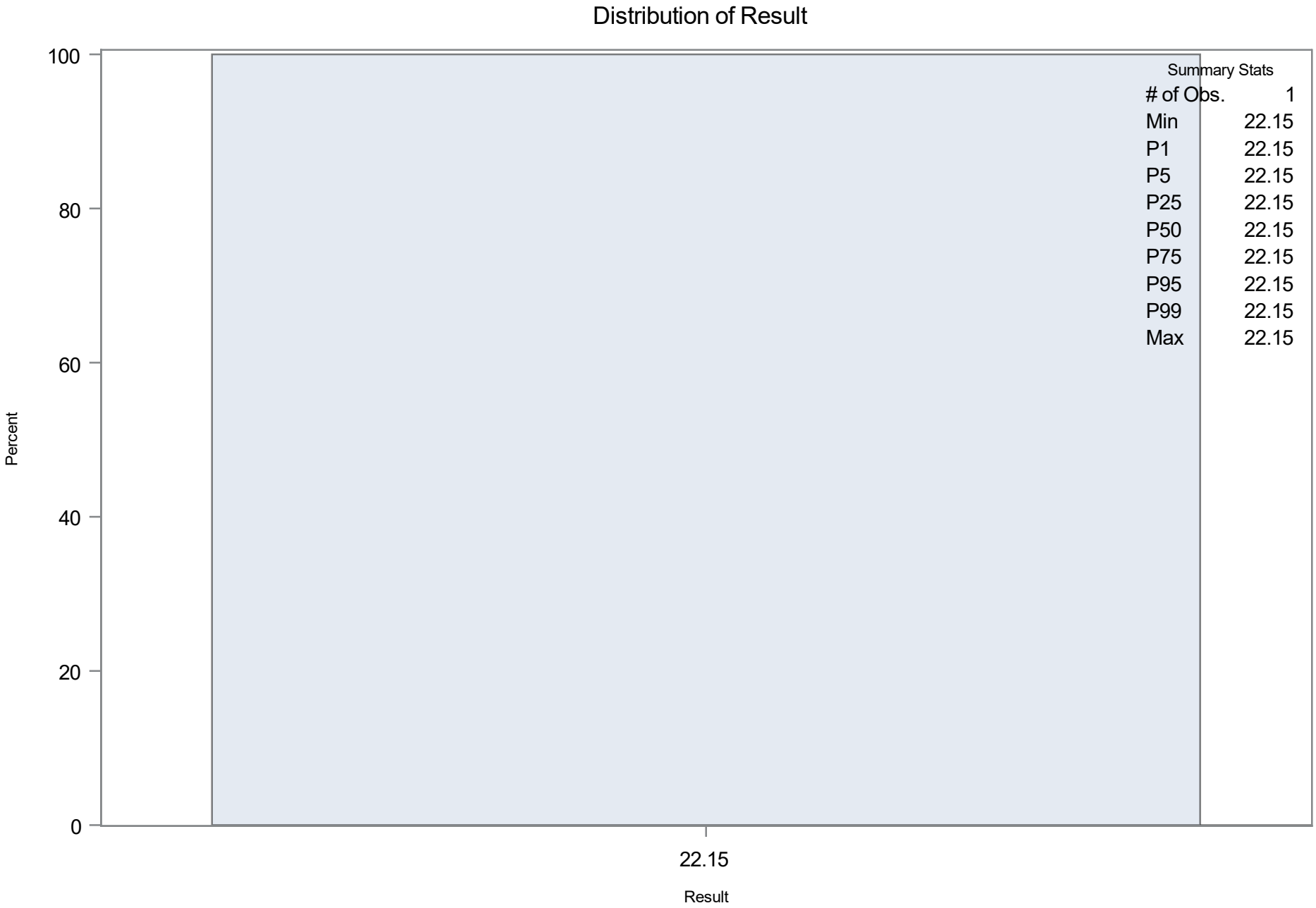

Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Upper B
28
27
26
25
24
23
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at JMT Station JMT Upper C
Result
22.15
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

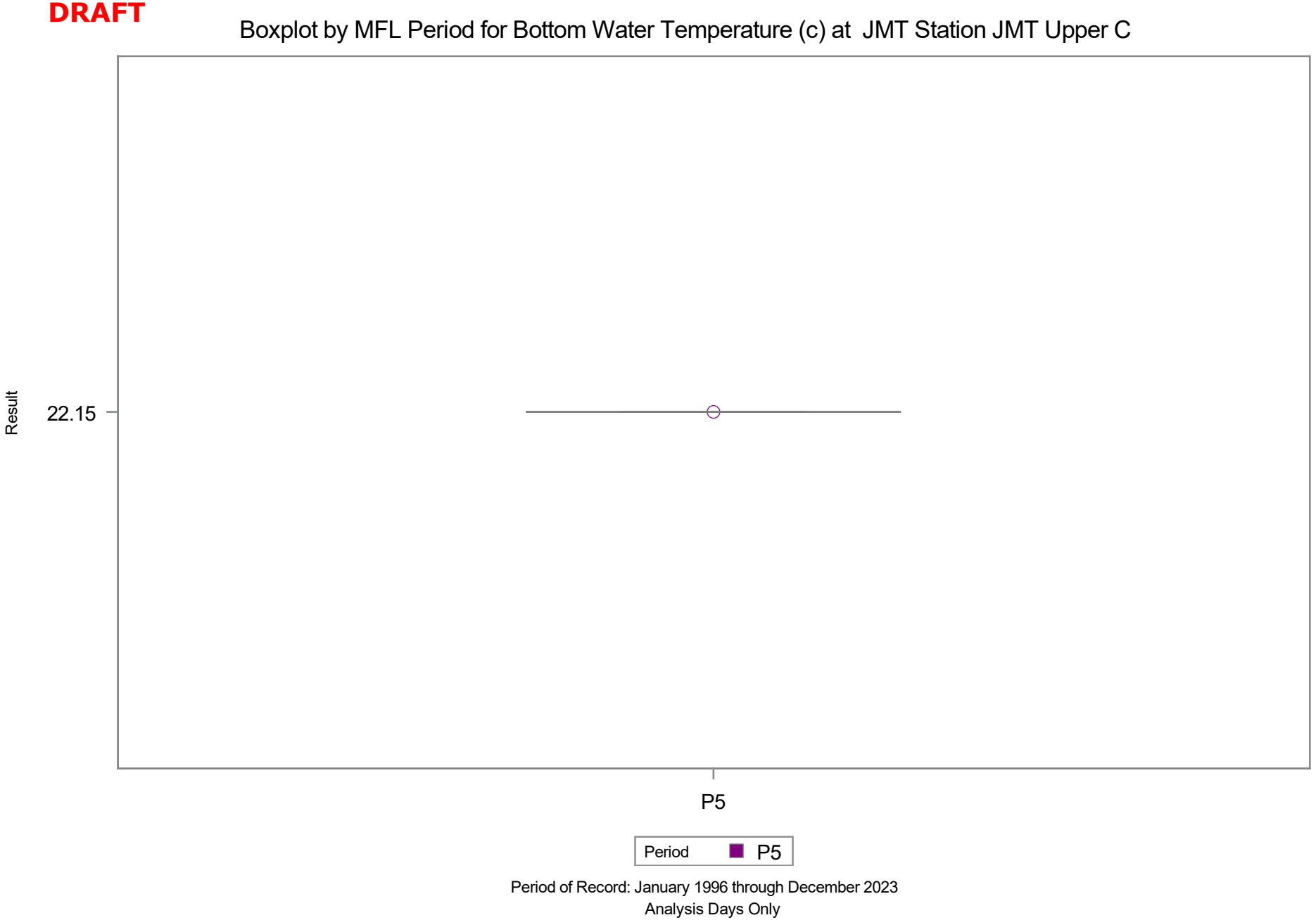
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Upper C

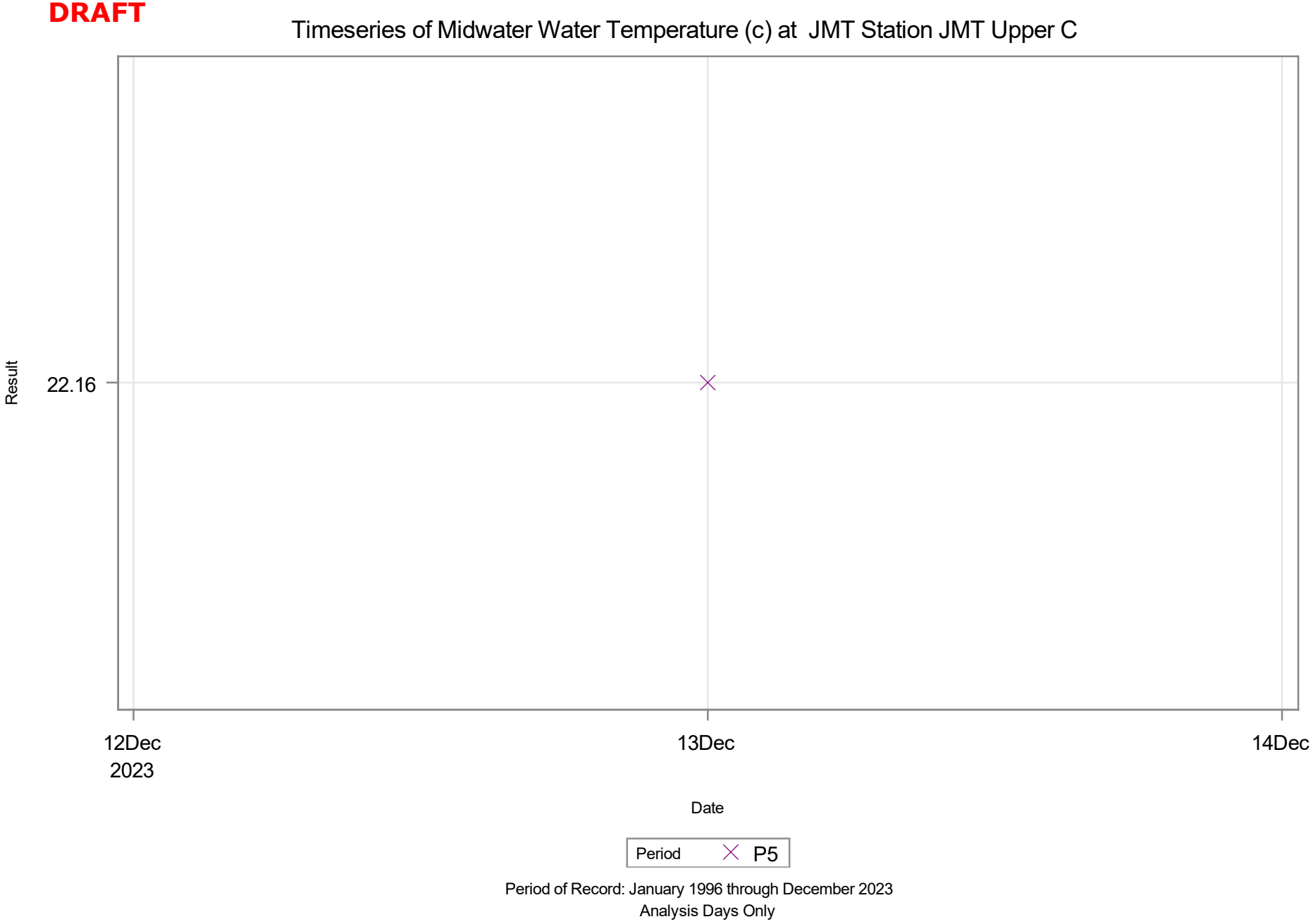
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	22.15	22.15	22.15	22.15	22.15	22.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

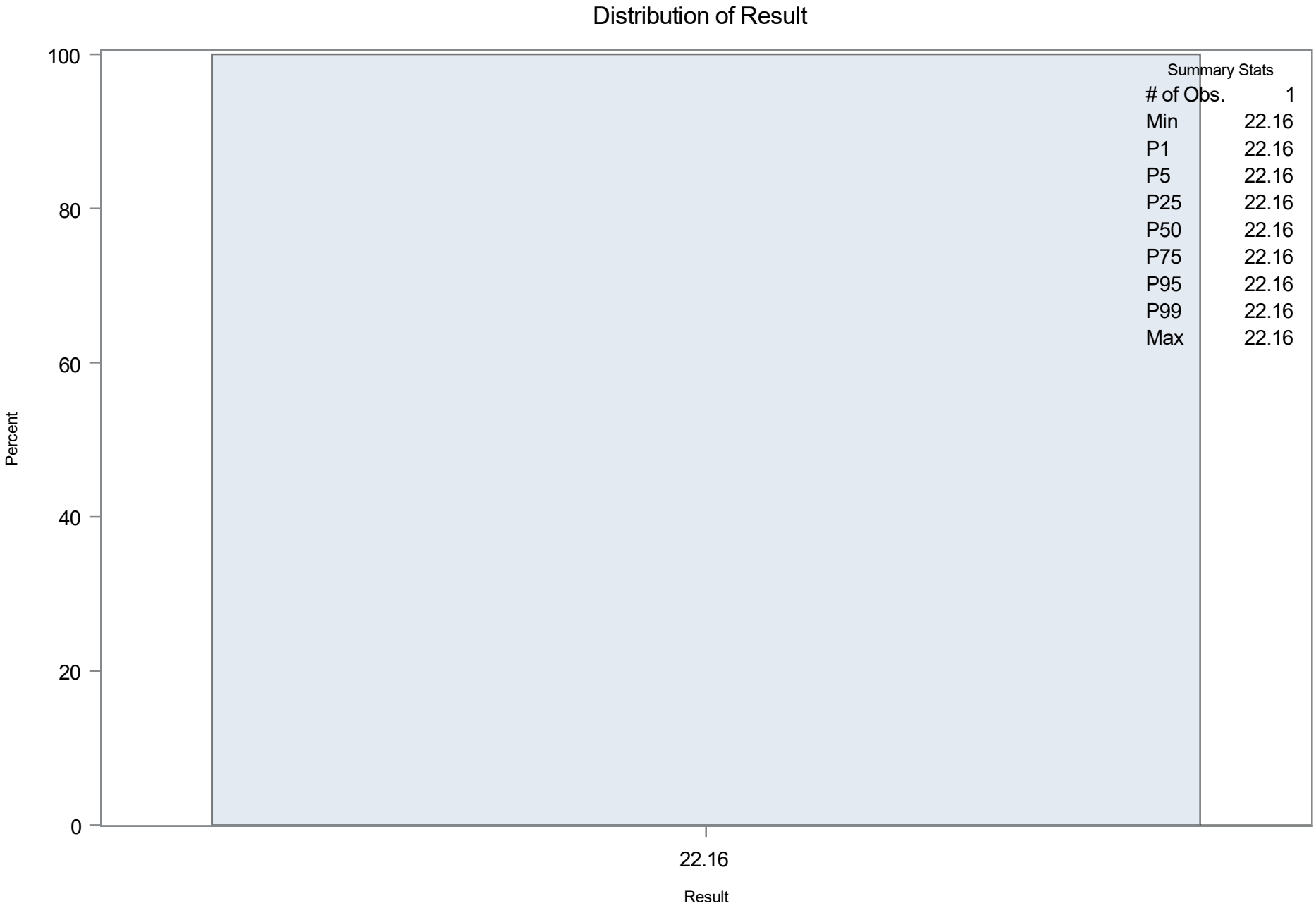

Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Upper C
Result
22.15
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at JMT Station JMT Upper C
Result
22.16
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Upper C



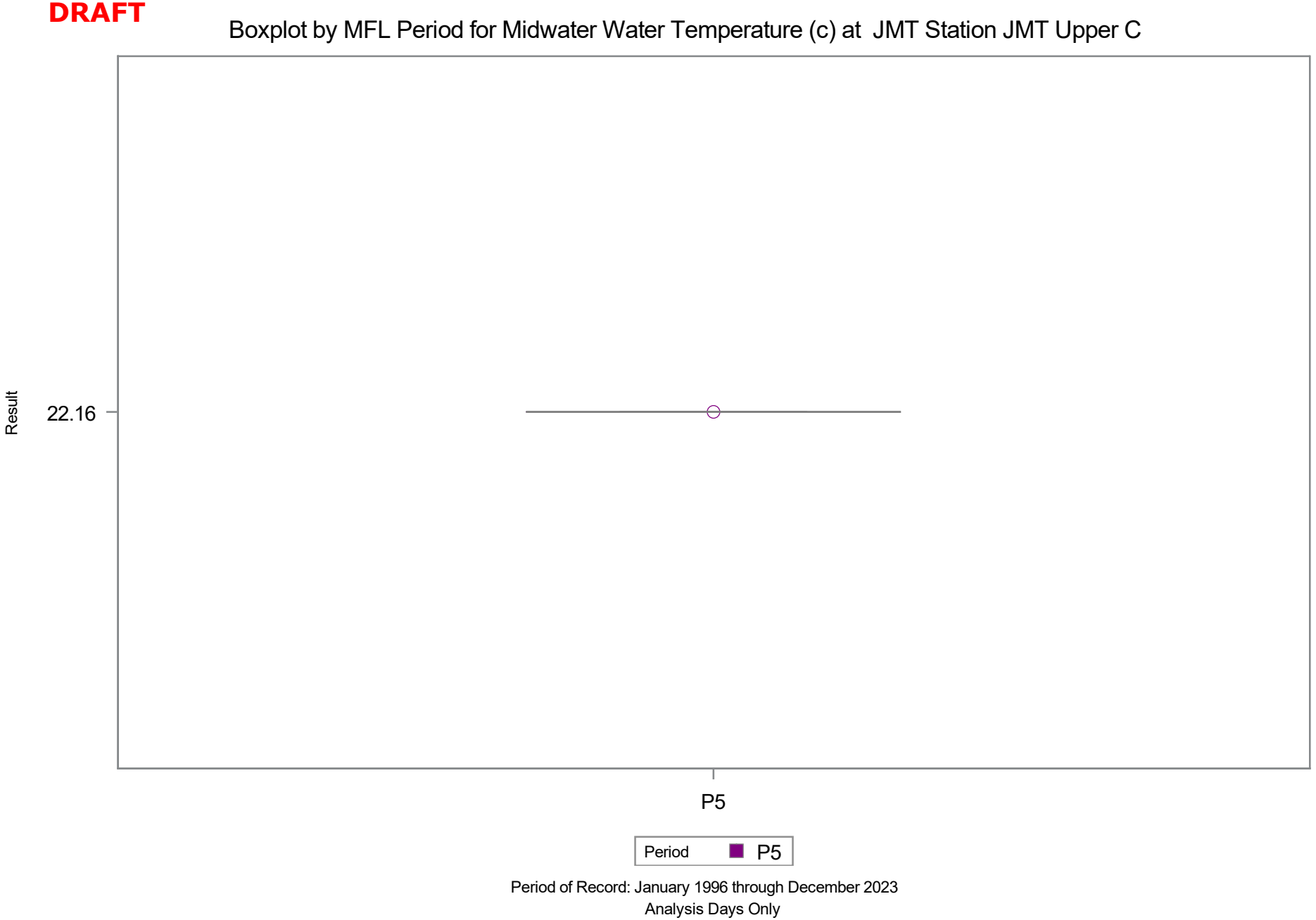
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Upper C**

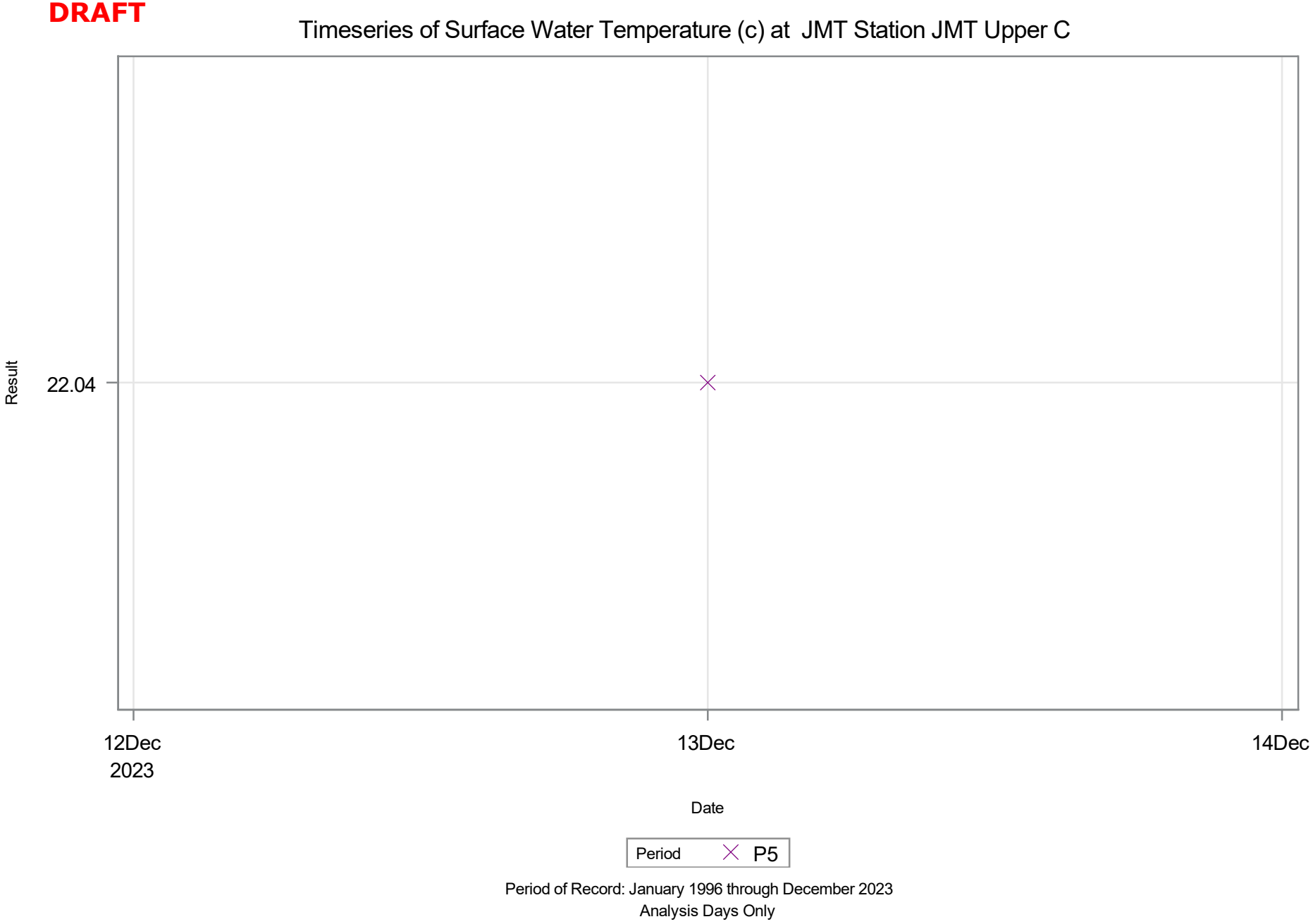
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	22.16	22.16	22.16	22.16	22.16	22.16

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

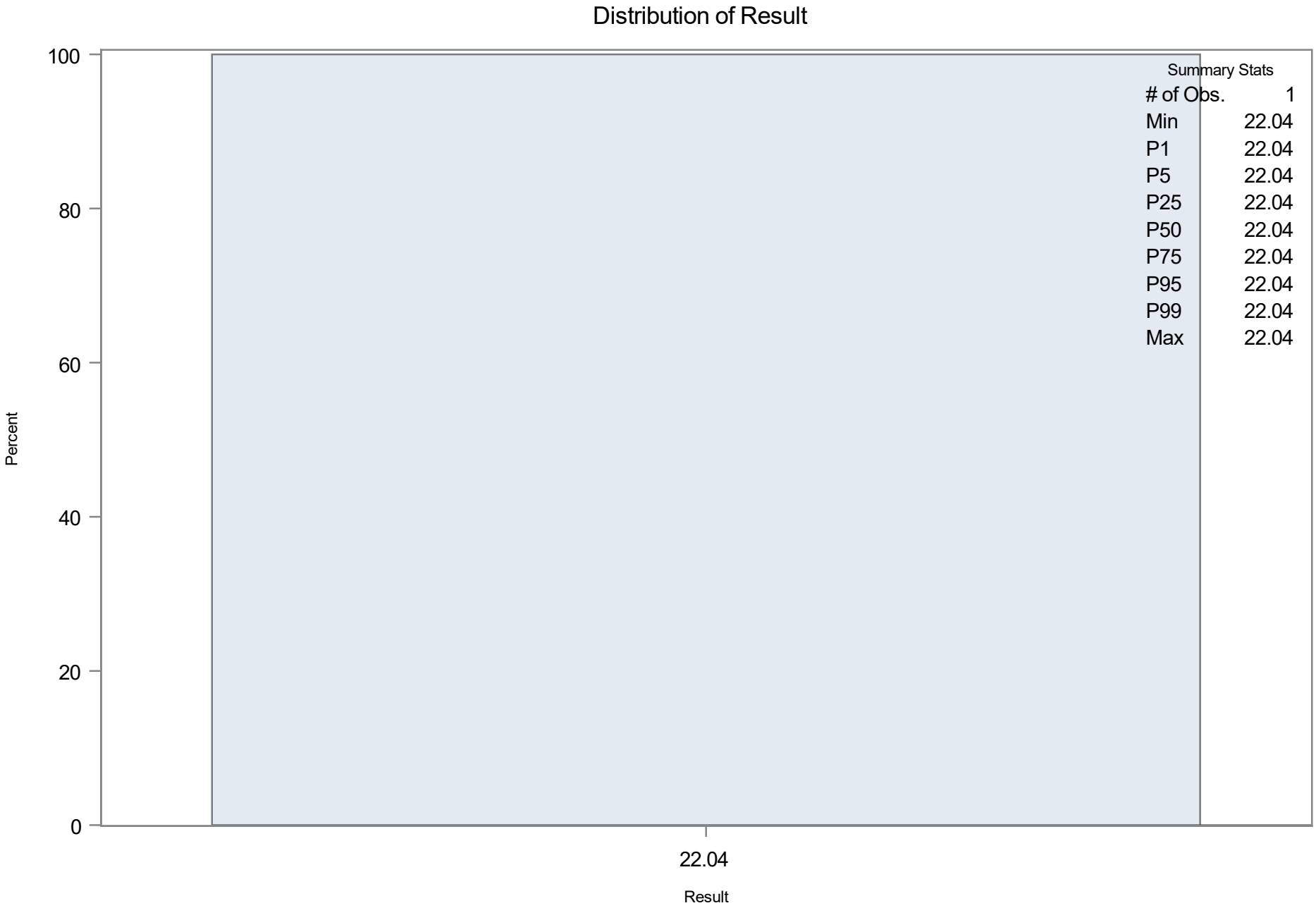

Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Upper C
Result
22.16
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Upper C
Result
22.04
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Upper C



Period of Record: January 1996 through December 2023
Analysis Days Only

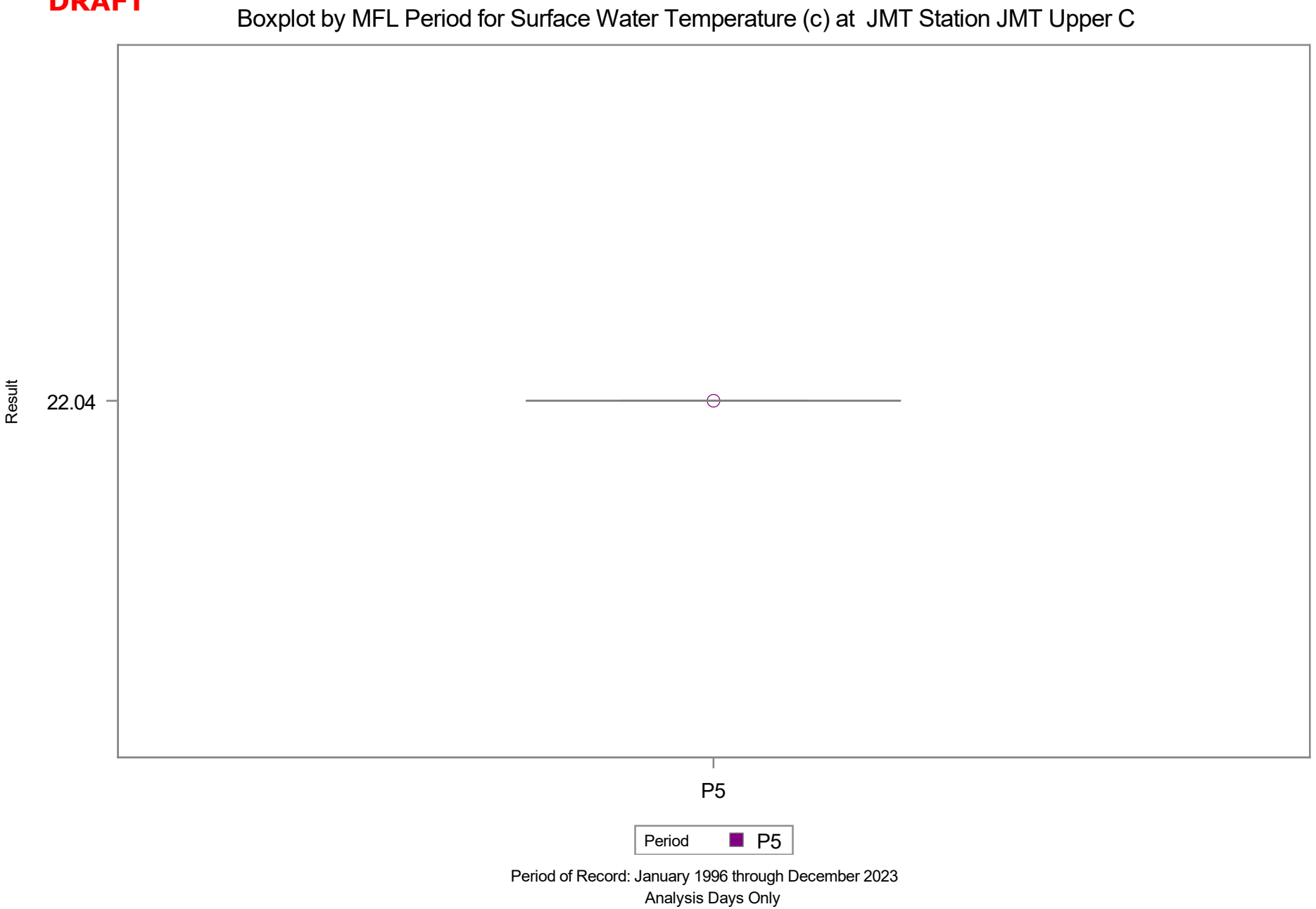
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Upper C

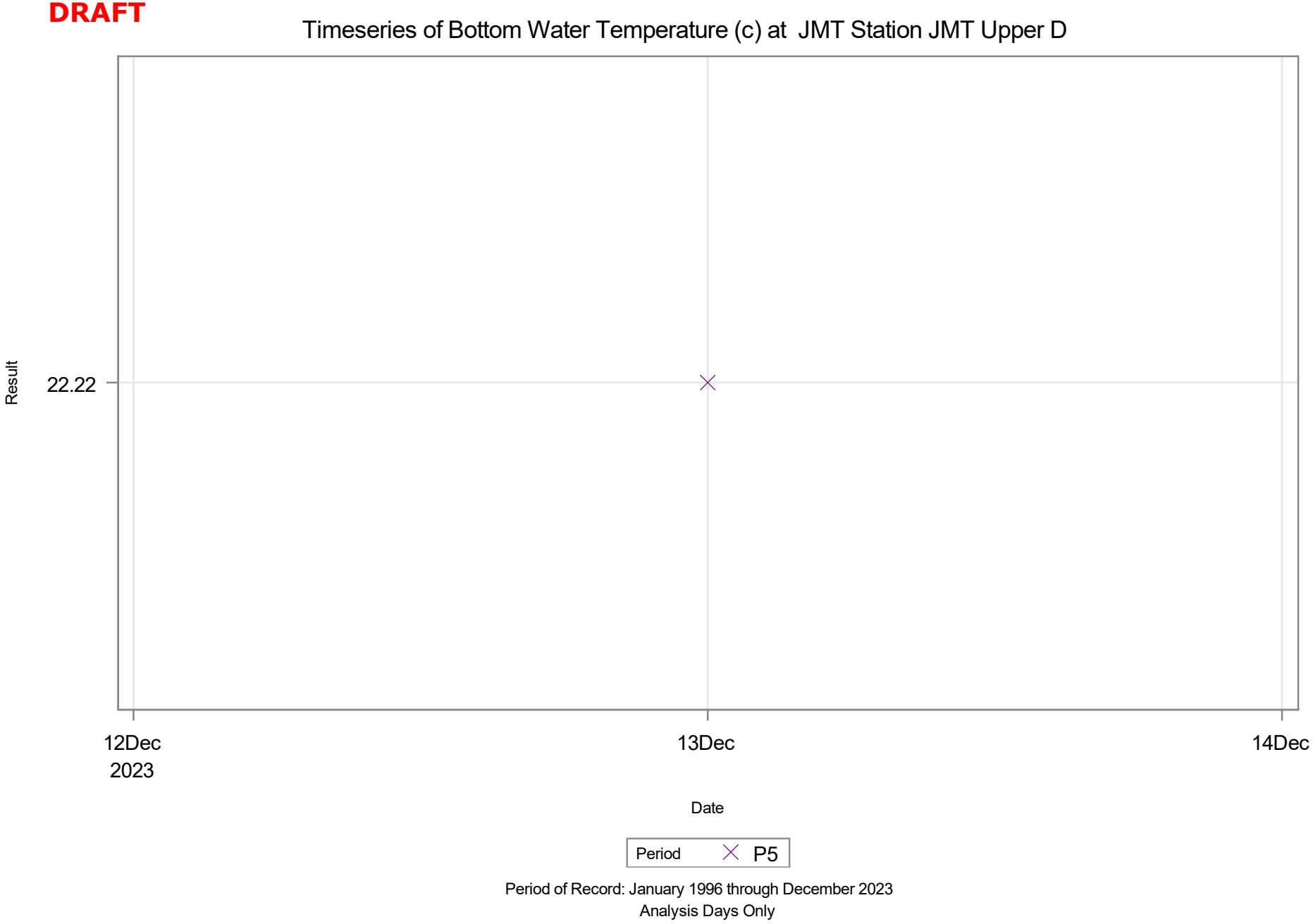
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	22.04	22.04	22.04	22.04	22.04	22.04

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

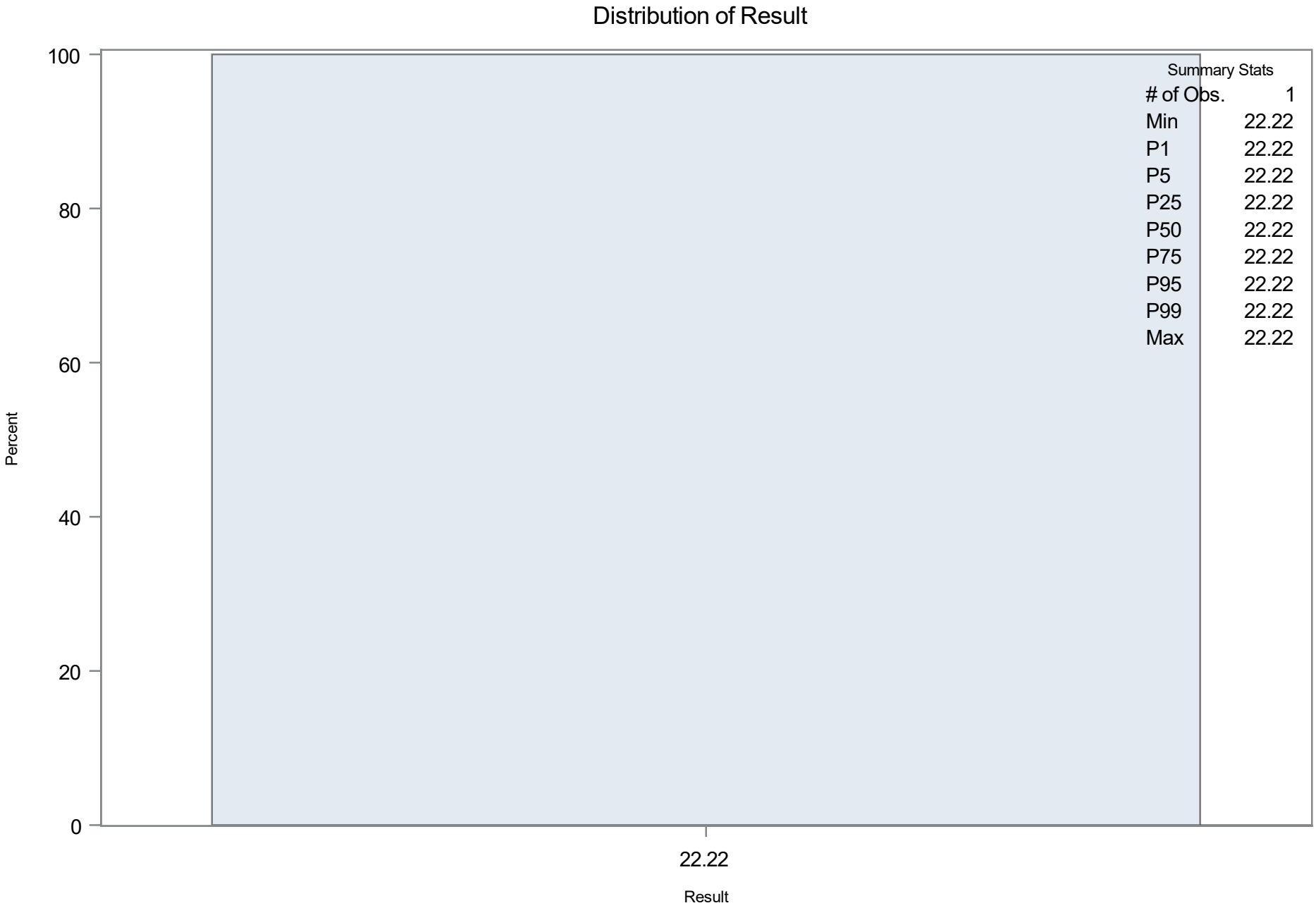

Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Upper C
Result
22.04
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at JMT Station JMT Upper D
Result
22.22
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

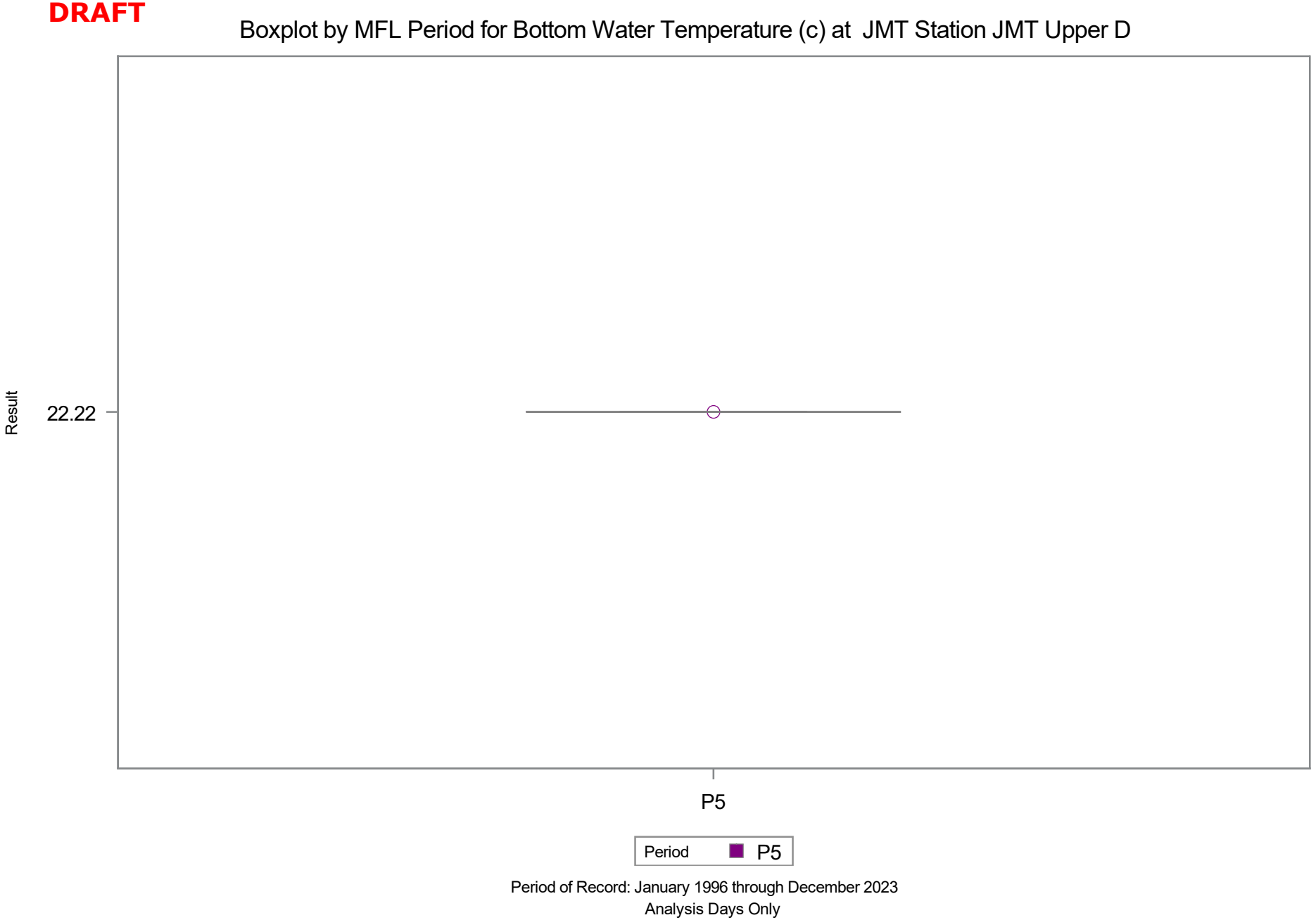
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at JMT Station JMT Upper D

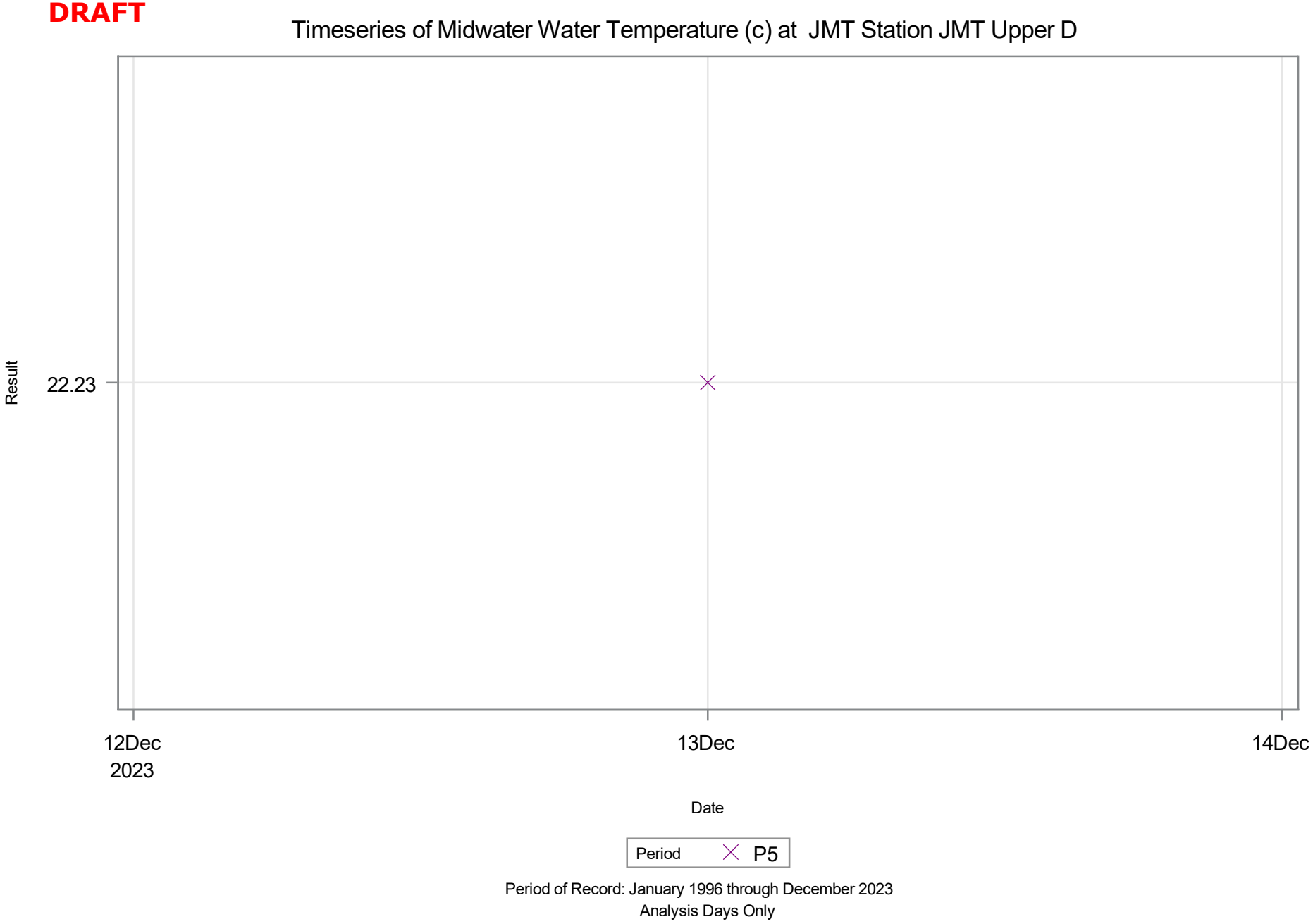
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	22.22	22.22	22.22	22.22	22.22	22.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

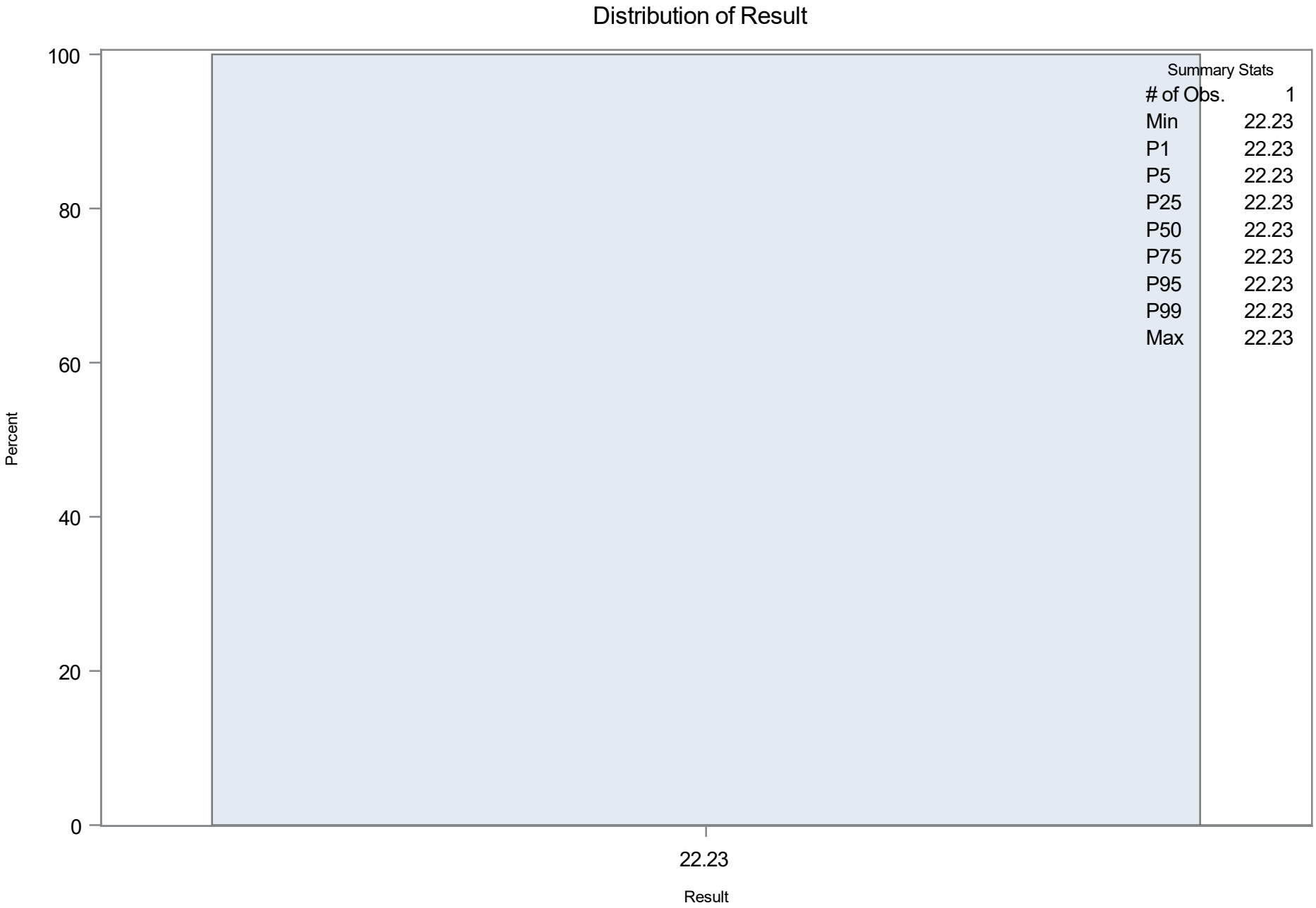

Boxplot by MFL Period for Bottom Water Temperature (c) at JMT Station JMT Upper D
Result
22.22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at JMT Station JMT Upper D
Result
22.23
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at JMT Station JMT Upper D



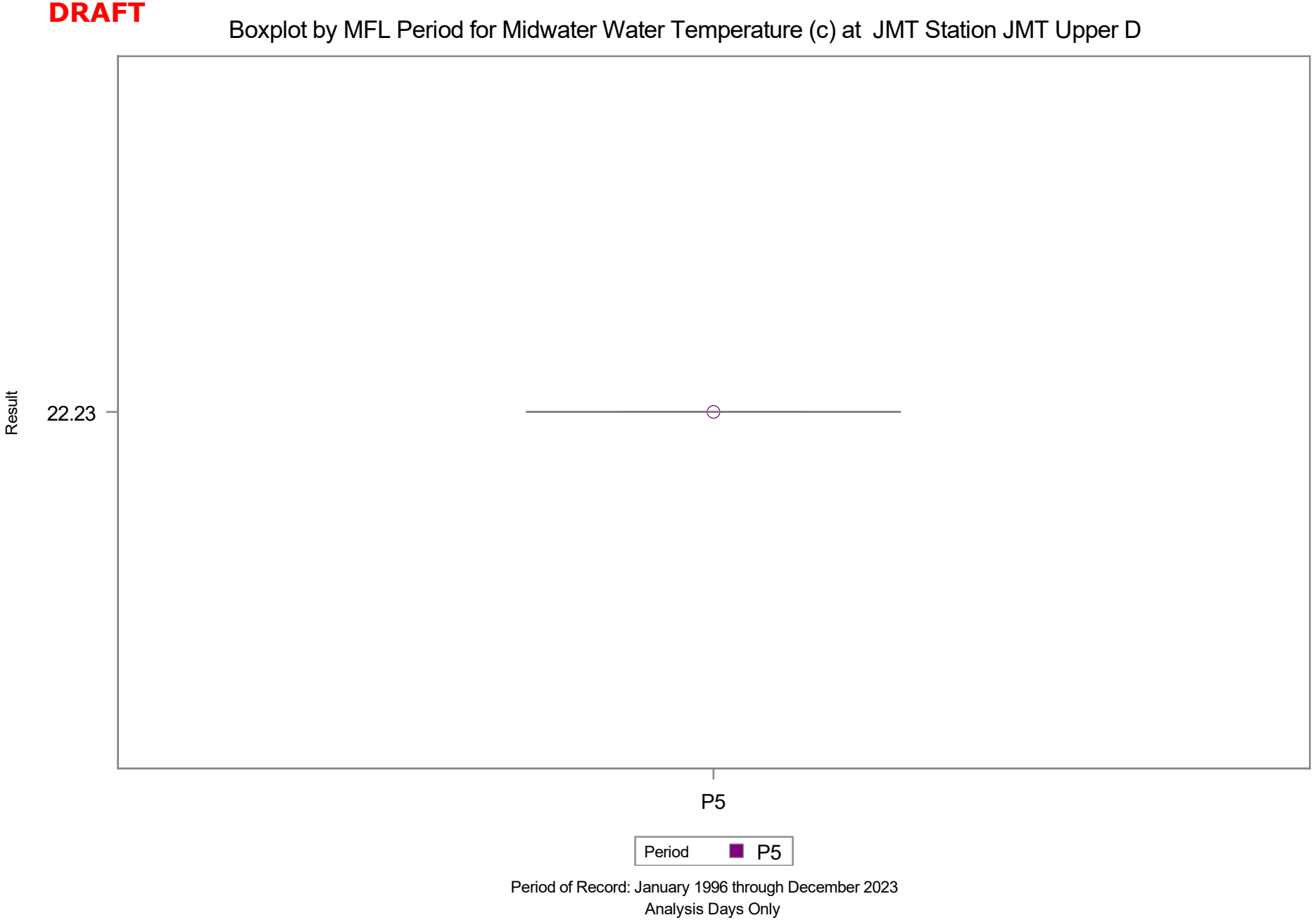
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Midwater Water Temperature (c) at JMT Station JMT Upper D**

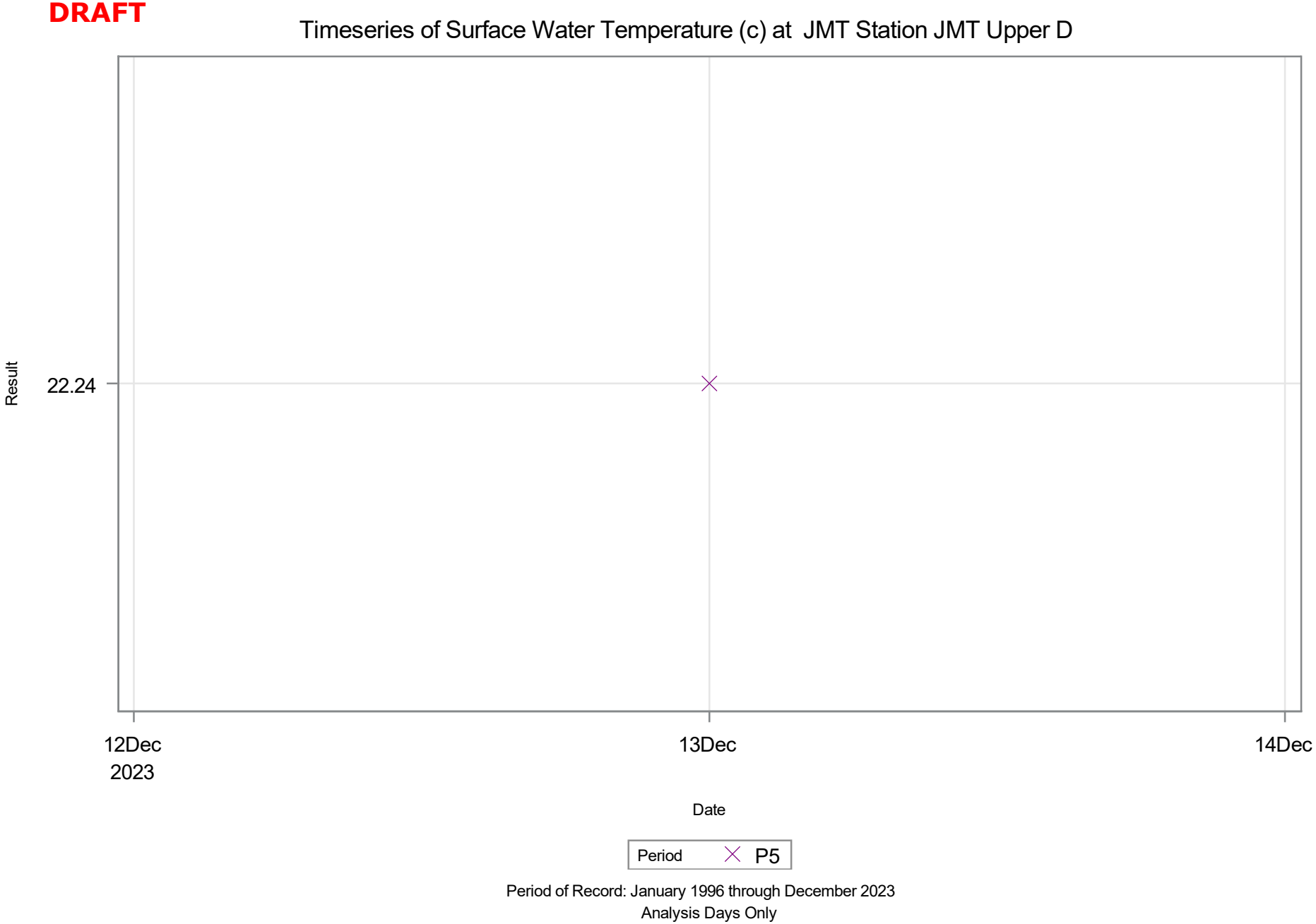
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	22.23	22.23	22.23	22.23	22.23	22.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

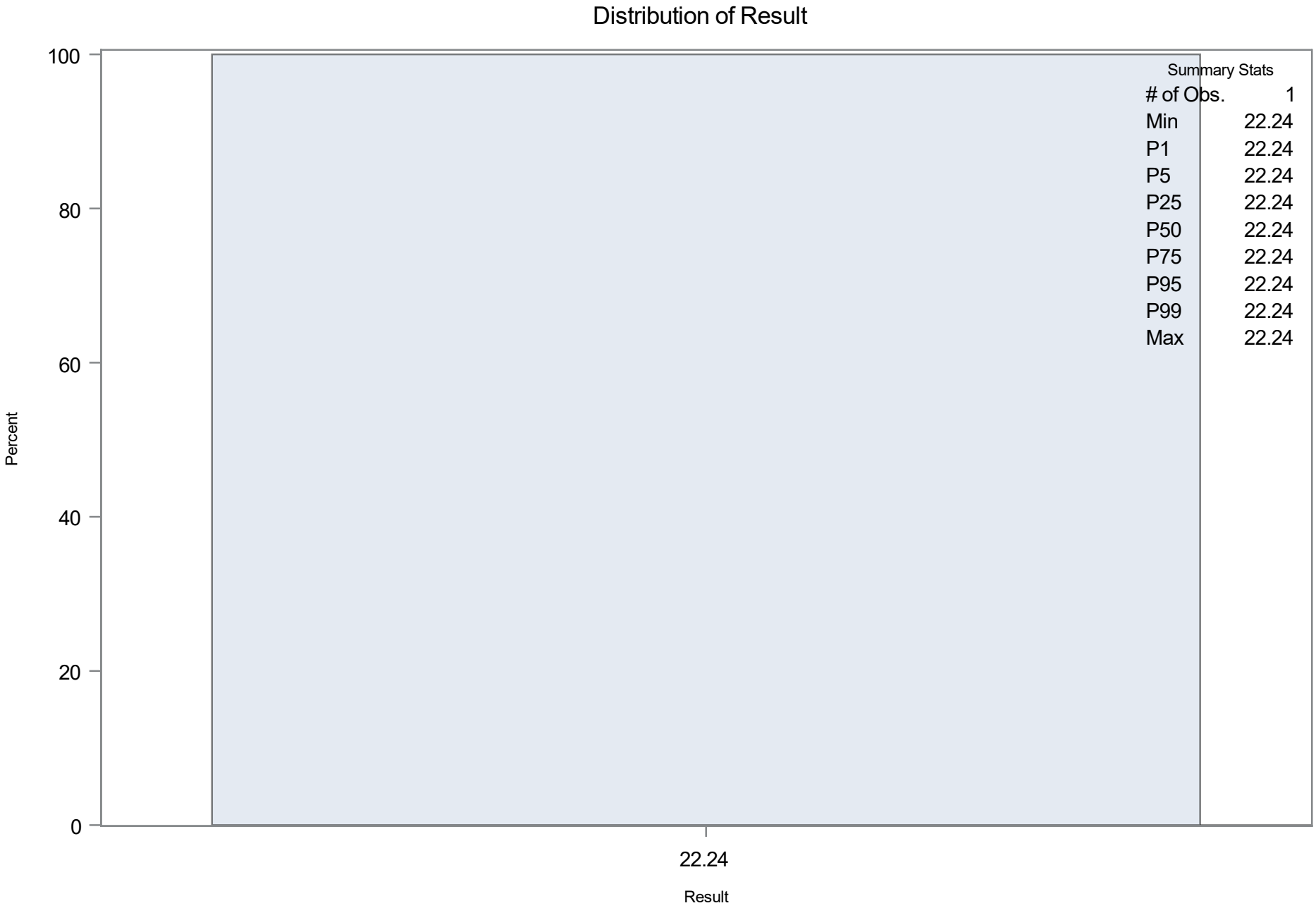

Boxplot by MFL Period for Midwater Water Temperature (c) at JMT Station JMT Upper D
Result
22.23
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at JMT Station JMT Upper D
Result
22.24
12Dec
2023
13Dec
14Dec
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at JMT Station JMT Upper D



Period of Record: January 1996 through December 2023
Analysis Days Only

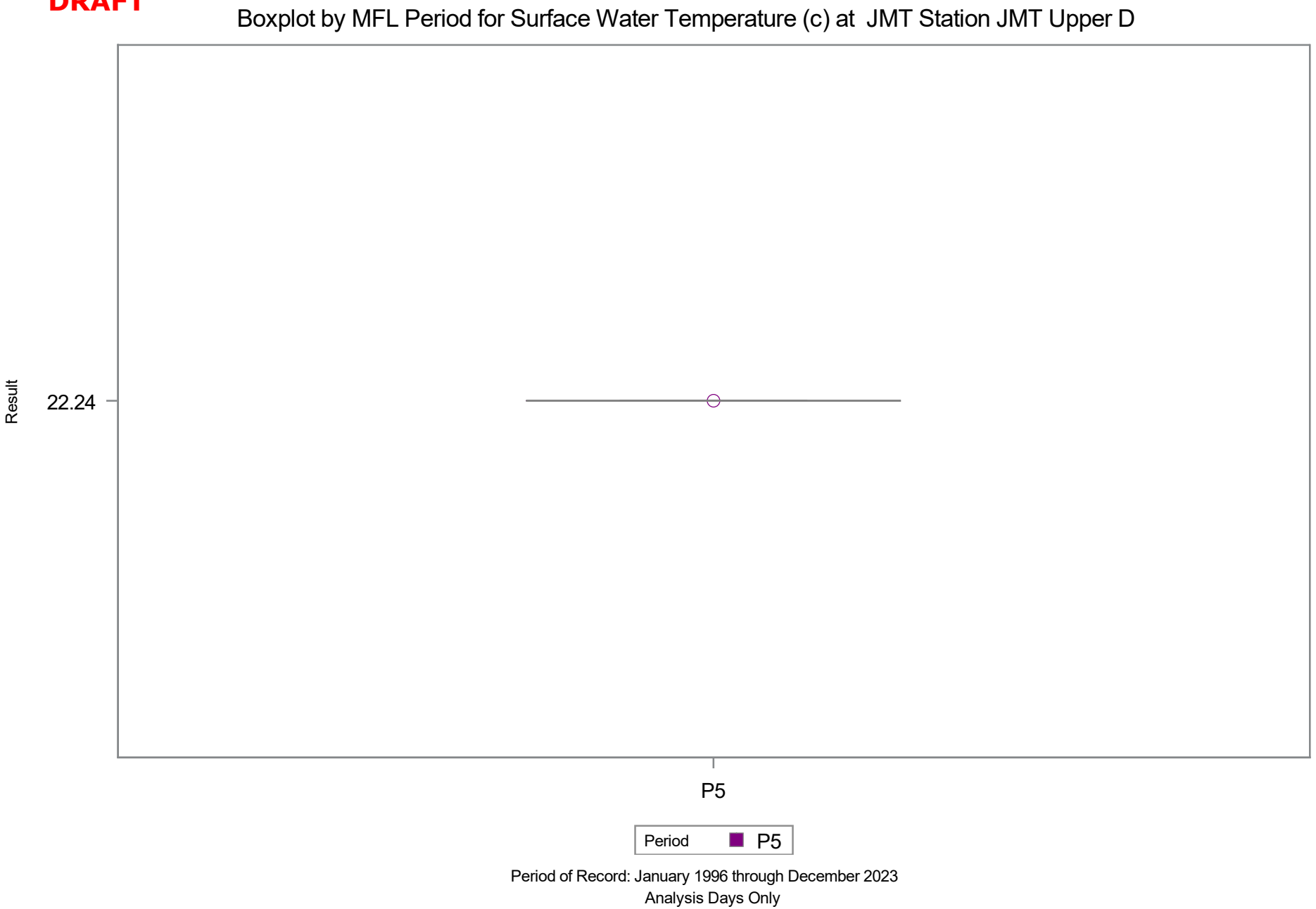
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at JMT Station JMT Upper D

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	22.24	22.24	22.24	22.24	22.24	22.24

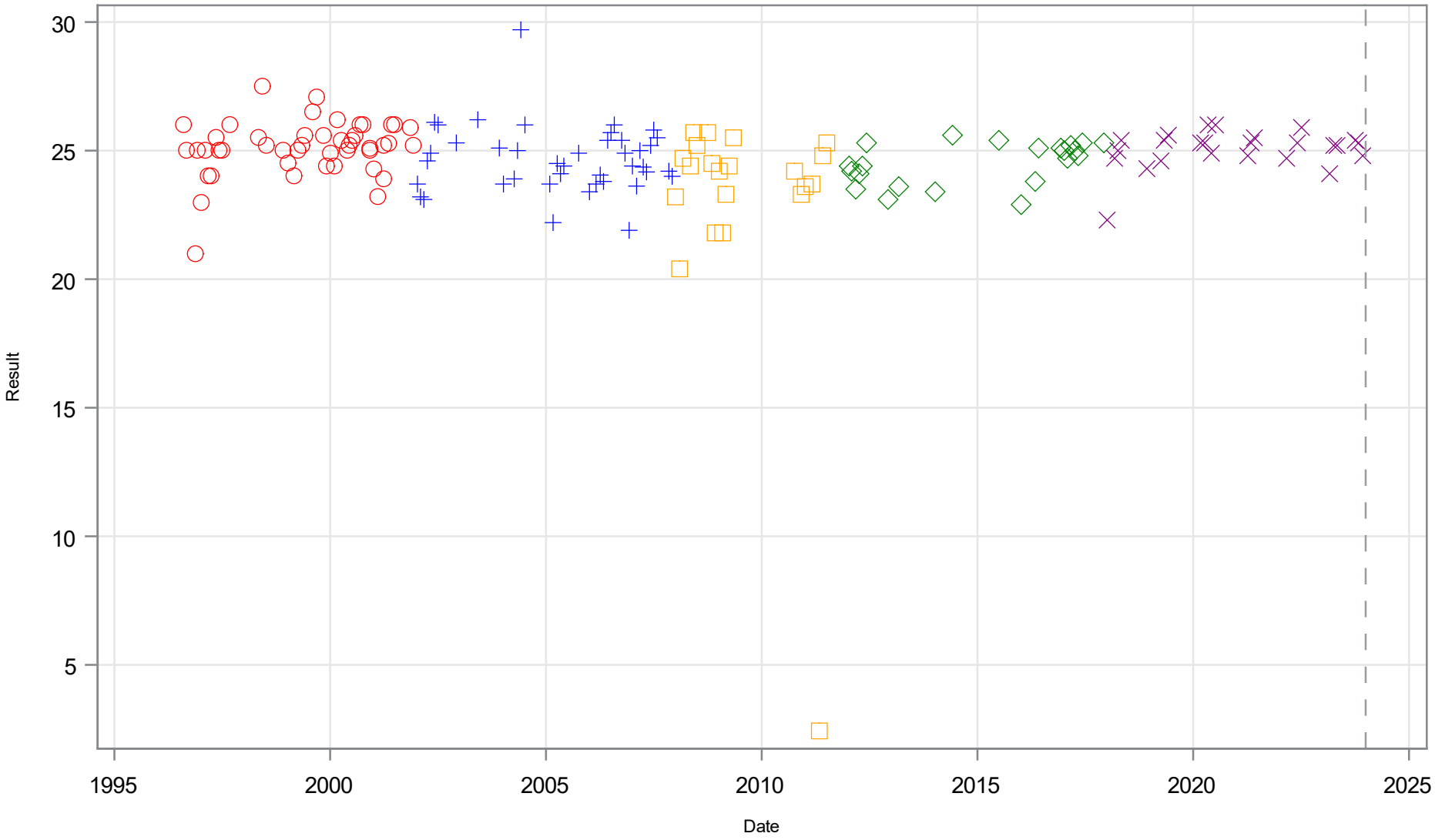
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at JMT Station JMT Upper D
Result
22.24
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

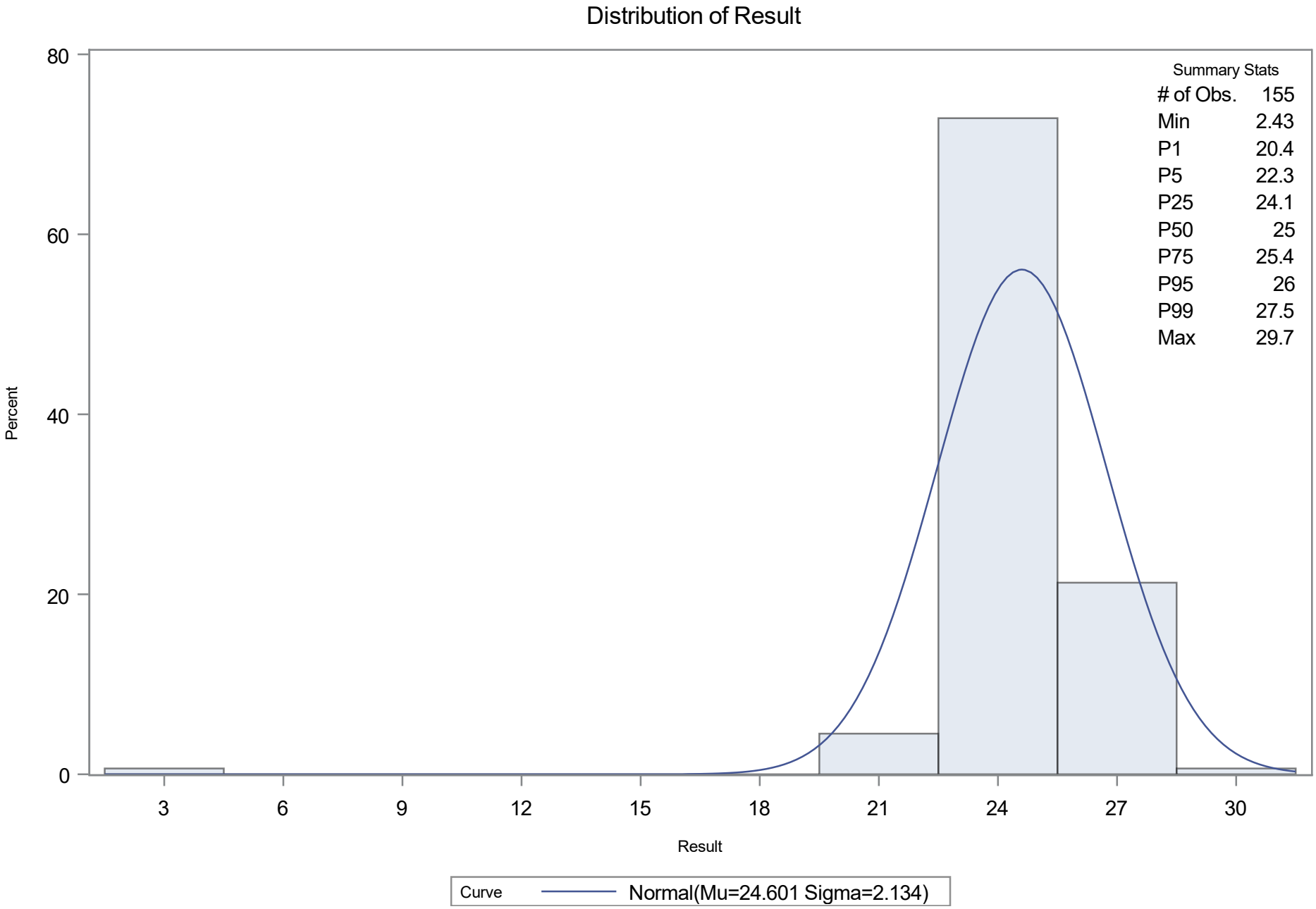
Timeseries of Surface Water Temperature (c) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.60148
Std Dev	Sigma	2.134007

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2109608	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.5106468	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	14.3708005	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.4000	19.6370
5.0	22.3000	21.0914
10.0	23.3000	21.8666
25.0	24.1000	23.1621
50.0	25.0000	24.6015
75.0	25.4000	26.0408
90.0	26.0000	27.3363
95.0	26.0000	28.1116
99.0	27.5000	29.5659

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

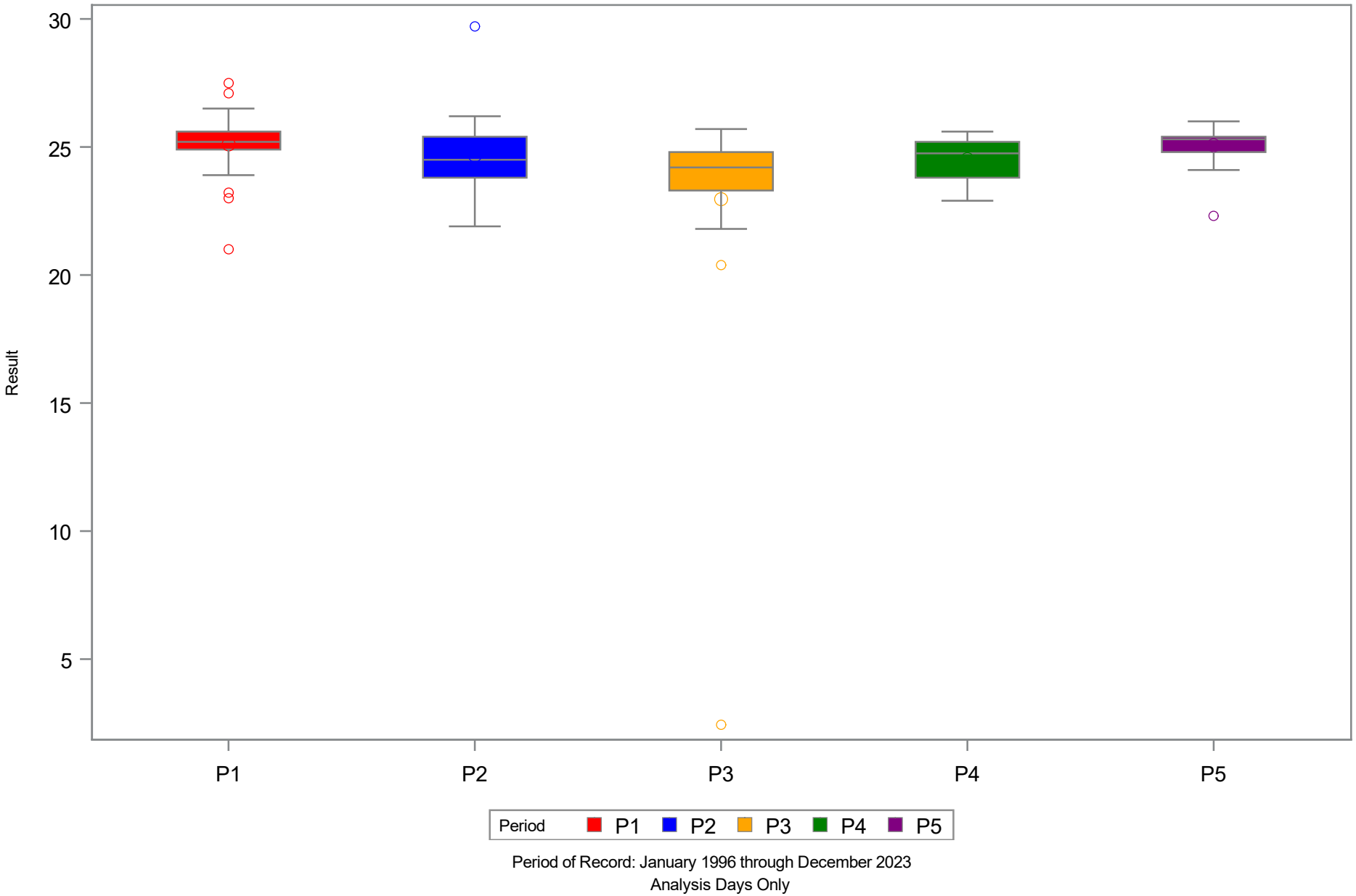
Distributional Statistics by Period for Surface Water Temperature (c) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	21.00	24.90	25.10	25.20	25.60	27.50
P2	41	21.90	23.80	24.65	24.50	25.40	29.70
P3	21	2.43	23.30	22.96	24.20	24.80	25.70
P4	22	22.90	23.80	24.51	24.75	25.20	25.60
P5	25	22.30	24.80	25.05	25.30	25.40	26.00

Period of Record: January 1996 through December 2023
Analysis Days Only

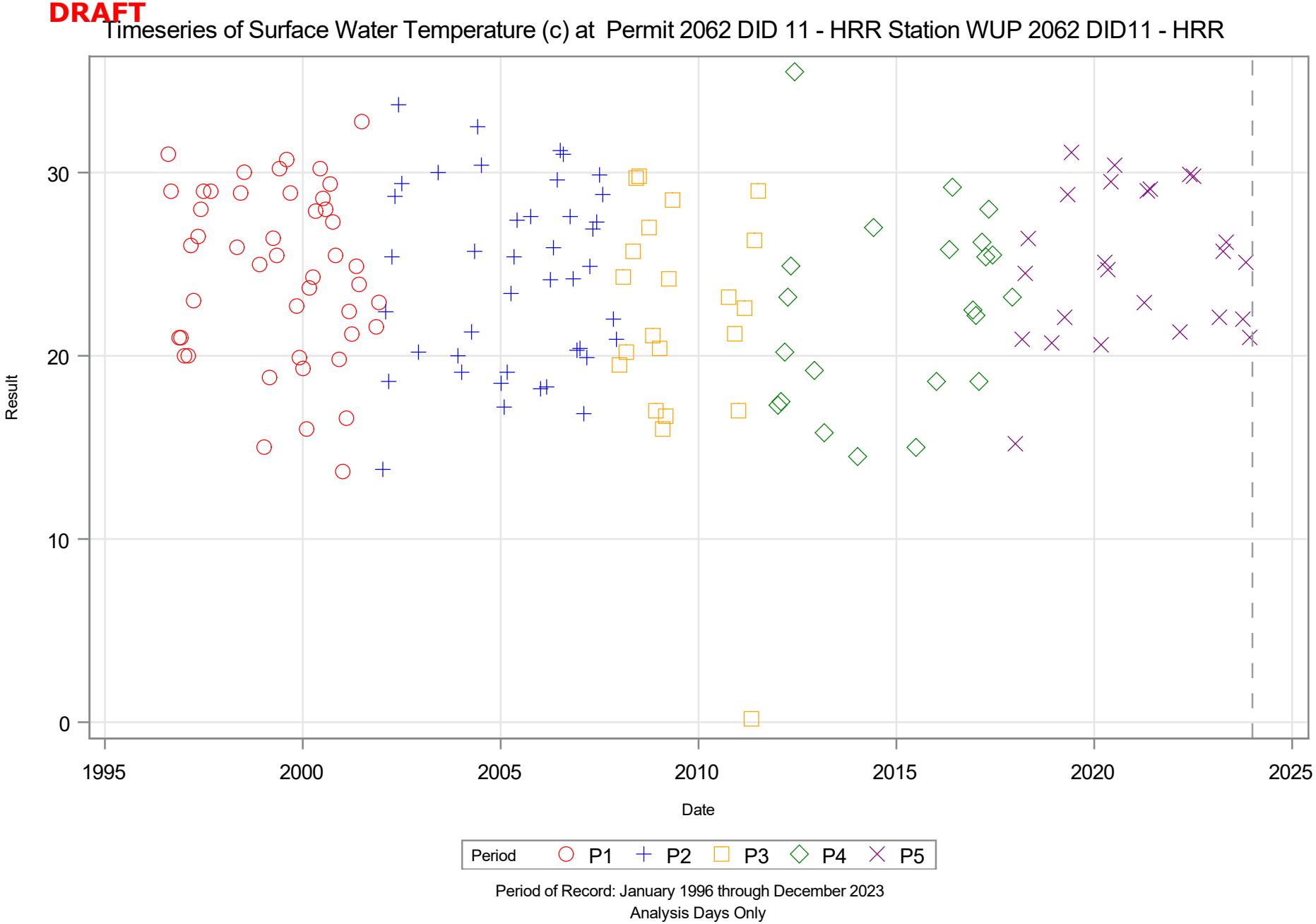
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



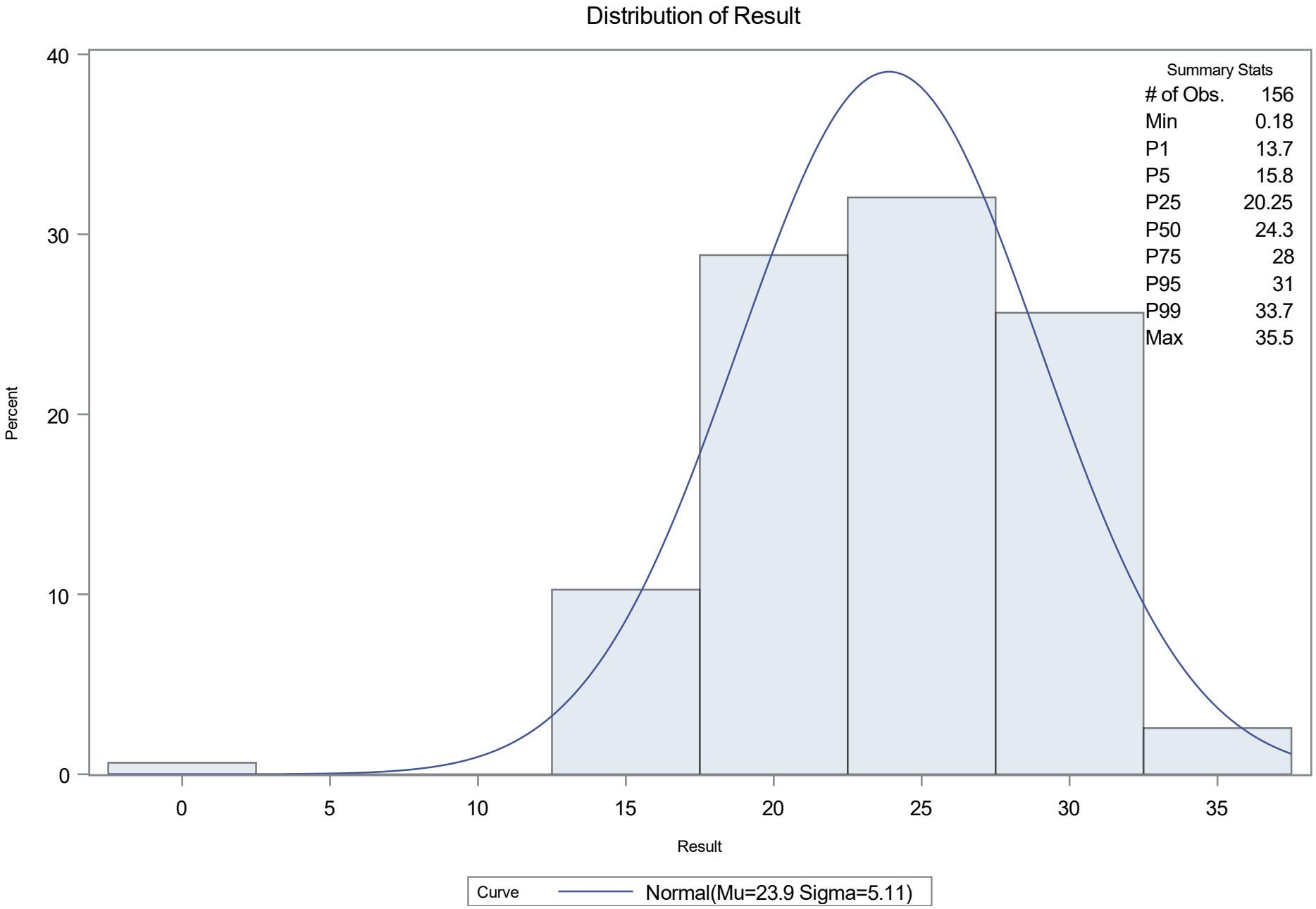
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR
Result
30
20
10
0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.90026
Std Dev	Sigma	5.110007

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05956802	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.11317363	**Pr > W-Sq**	0.078
Anderson-Darling	**A-Sq**	0.83640645	**Pr > A-Sq**	0.032

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.7000	12.0126
5.0	15.8000	15.4950
10.0	17.2000	17.3515
25.0	20.2500	20.4536
50.0	24.3000	23.9003
75.0	28.0000	27.3469
90.0	29.9000	30.4490
95.0	31.0000	32.3055
99.0	33.7000	35.7879

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

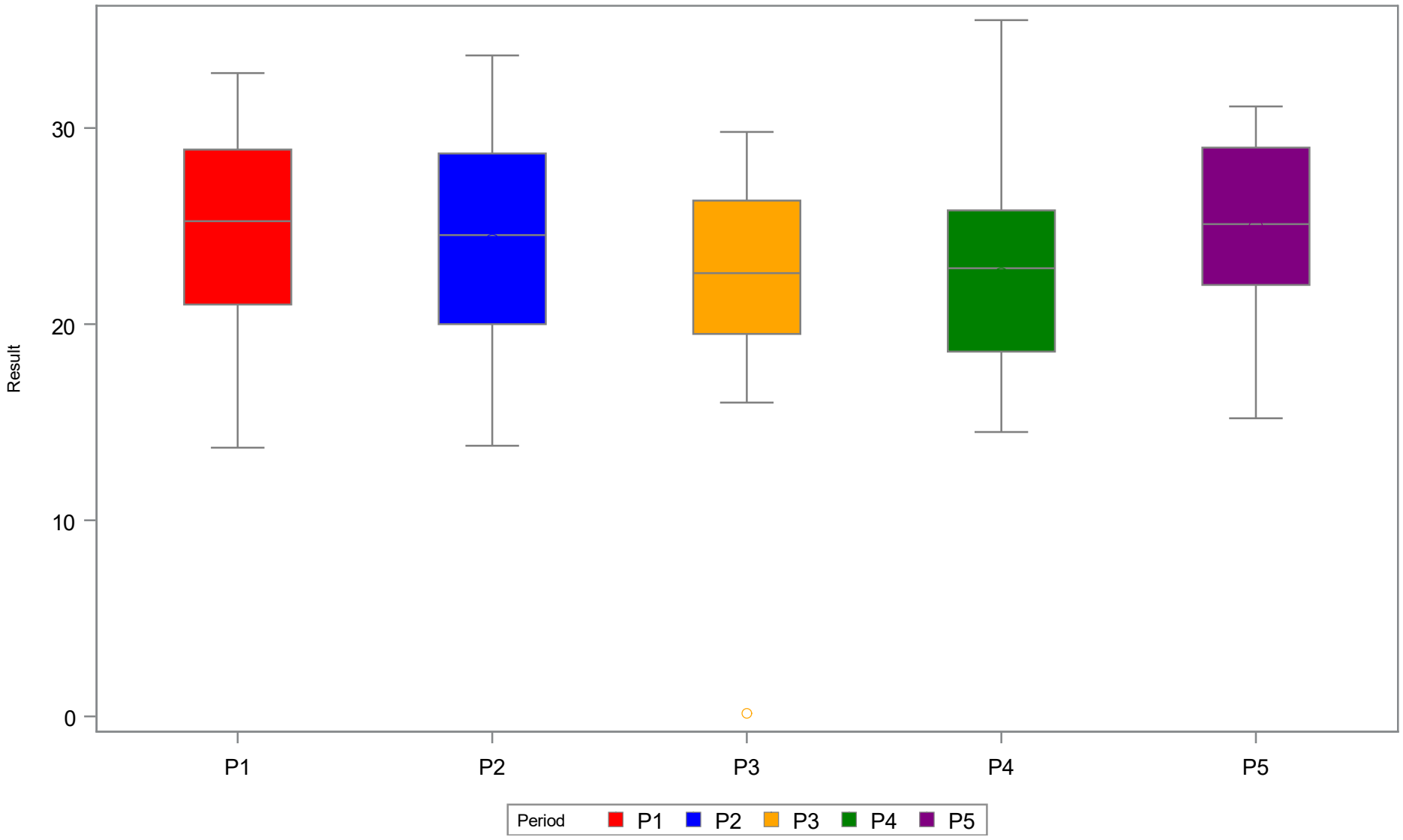
Distributional Statistics by Period for Surface Water Temperature (c) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	13.70	21.00	24.60	25.25	28.90	32.80
P2	42	13.80	20.00	24.24	24.54	28.70	33.70
P3	21	0.18	19.50	21.88	22.60	26.30	29.80
P4	22	14.50	18.60	22.51	22.85	25.80	35.50
P5	25	15.20	22.00	24.96	25.10	29.00	31.10

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

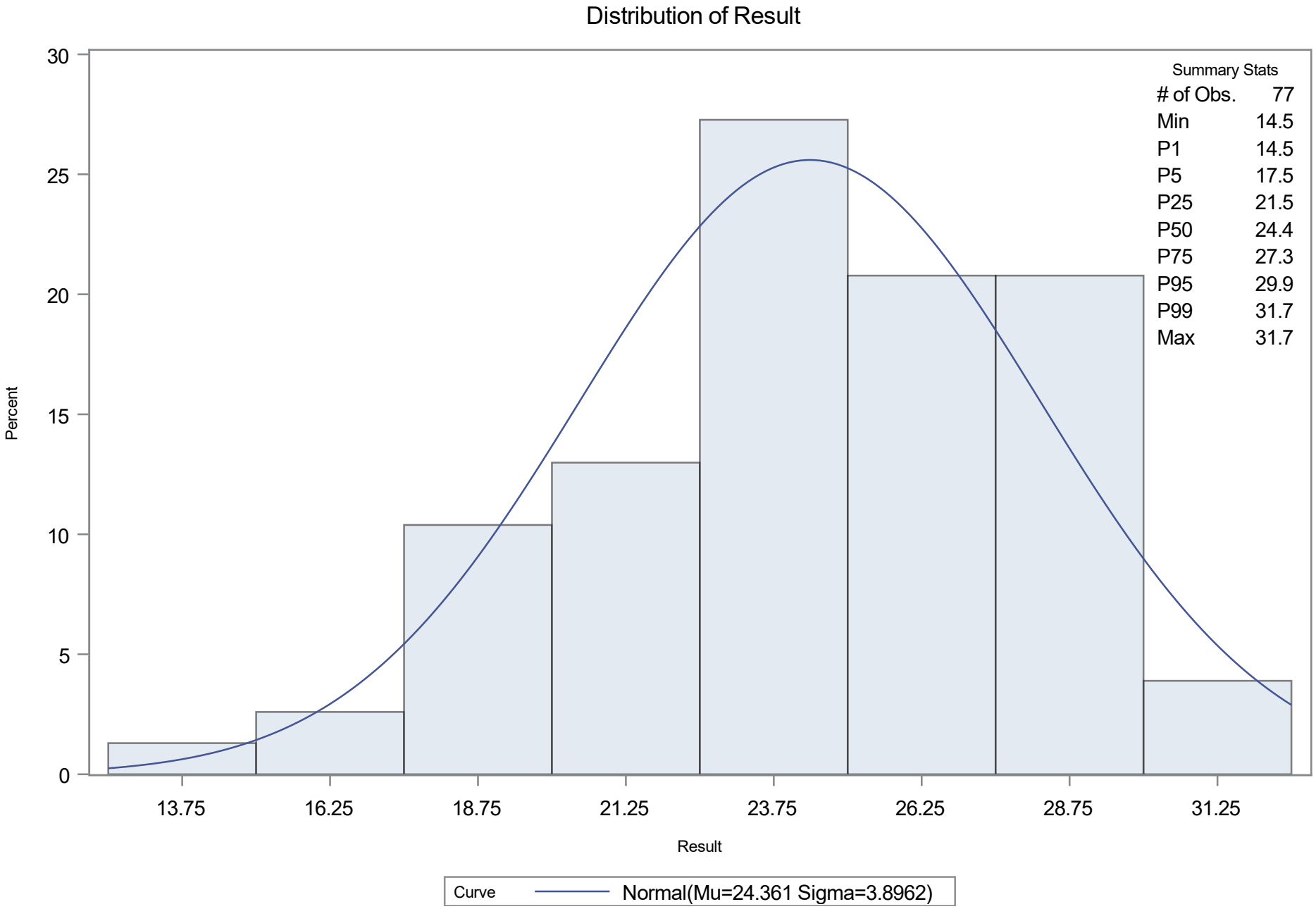
DRAFT

Timeseries of Surface Water Temperature (c) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.36117
Std Dev	Sigma	3.896162

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.07649319	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06973344	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.46743329	**Pr > A-Sq**	0.248

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.5000	15.2973
5.0	17.5000	17.9526
10.0	19.6000	19.3680
25.0	21.5000	21.7332
50.0	24.4000	24.3612
75.0	27.3000	26.9891
90.0	29.3000	29.3543
95.0	29.9000	30.7698
99.0	31.7000	33.4250

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

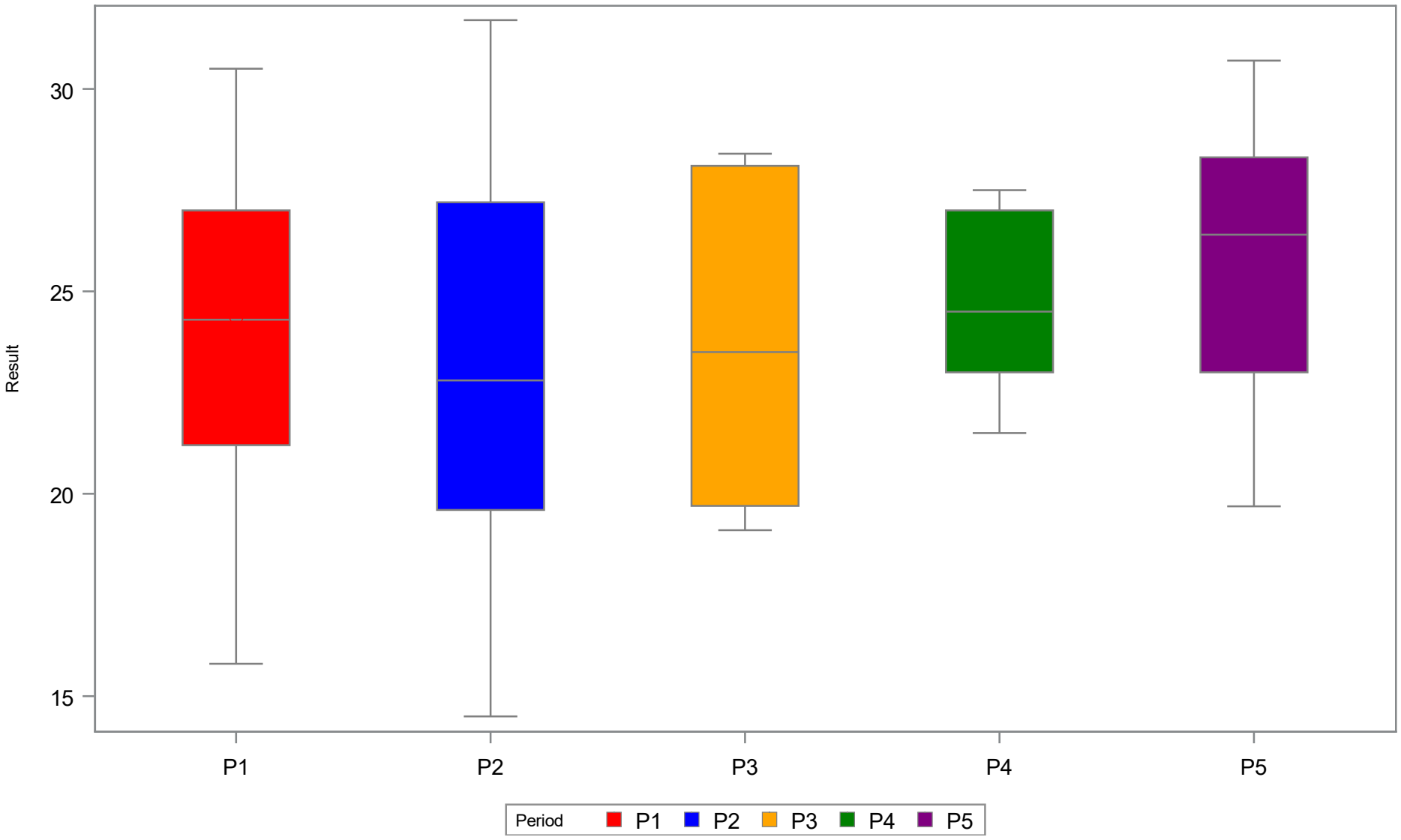
Distributional Statistics by Period for Surface Water Temperature (c) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	15.80	21.20	24.38	24.30	27.00	30.50
P2	11	14.50	19.60	23.06	22.80	27.20	31.70
P3	7	19.10	19.70	24.24	23.50	28.10	28.40
P4	7	21.50	23.00	24.77	24.50	27.00	27.50
P5	7	19.69	23.00	25.99	26.40	28.31	30.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

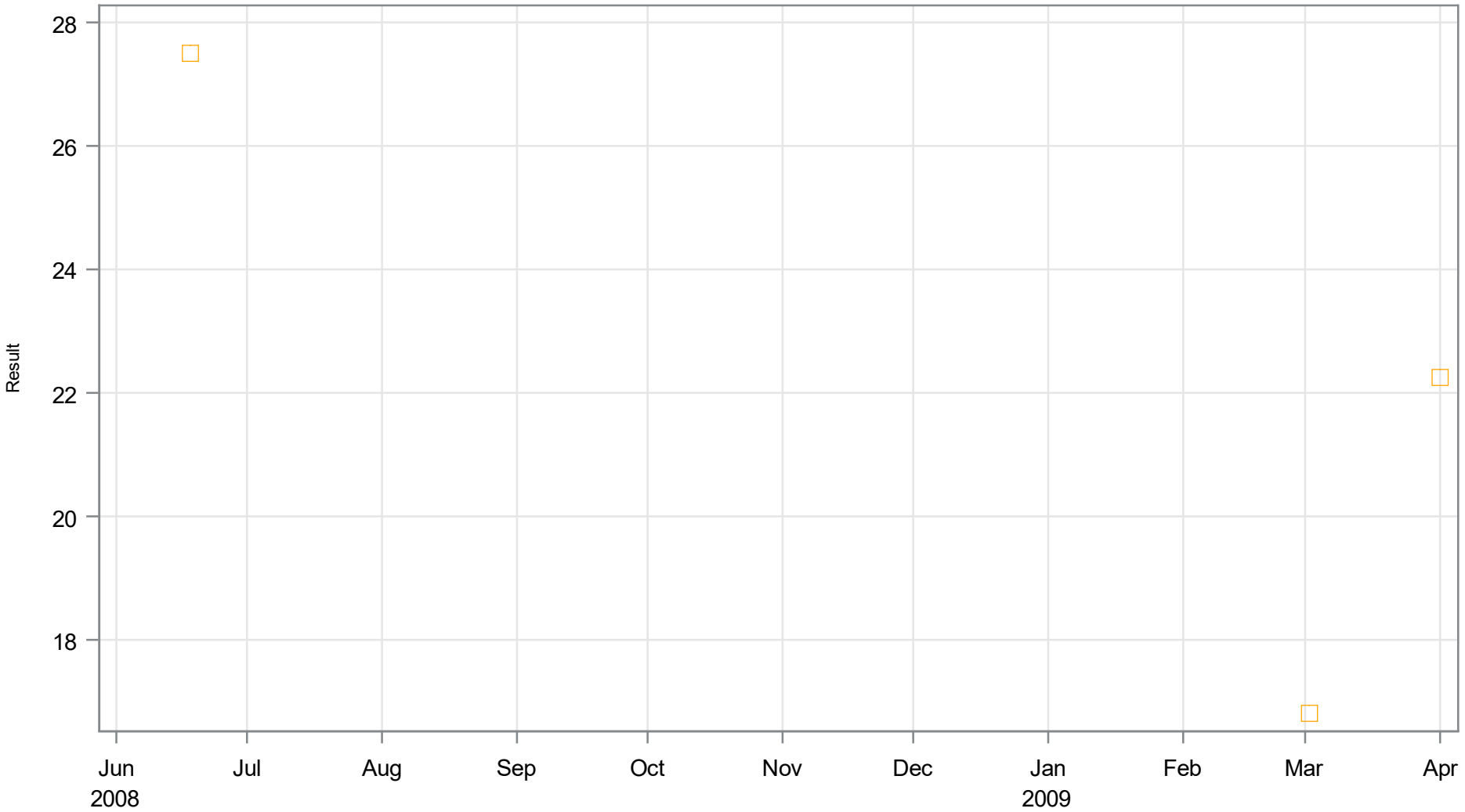
Boxplot by MFL Period for Surface Water Temperature (c) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

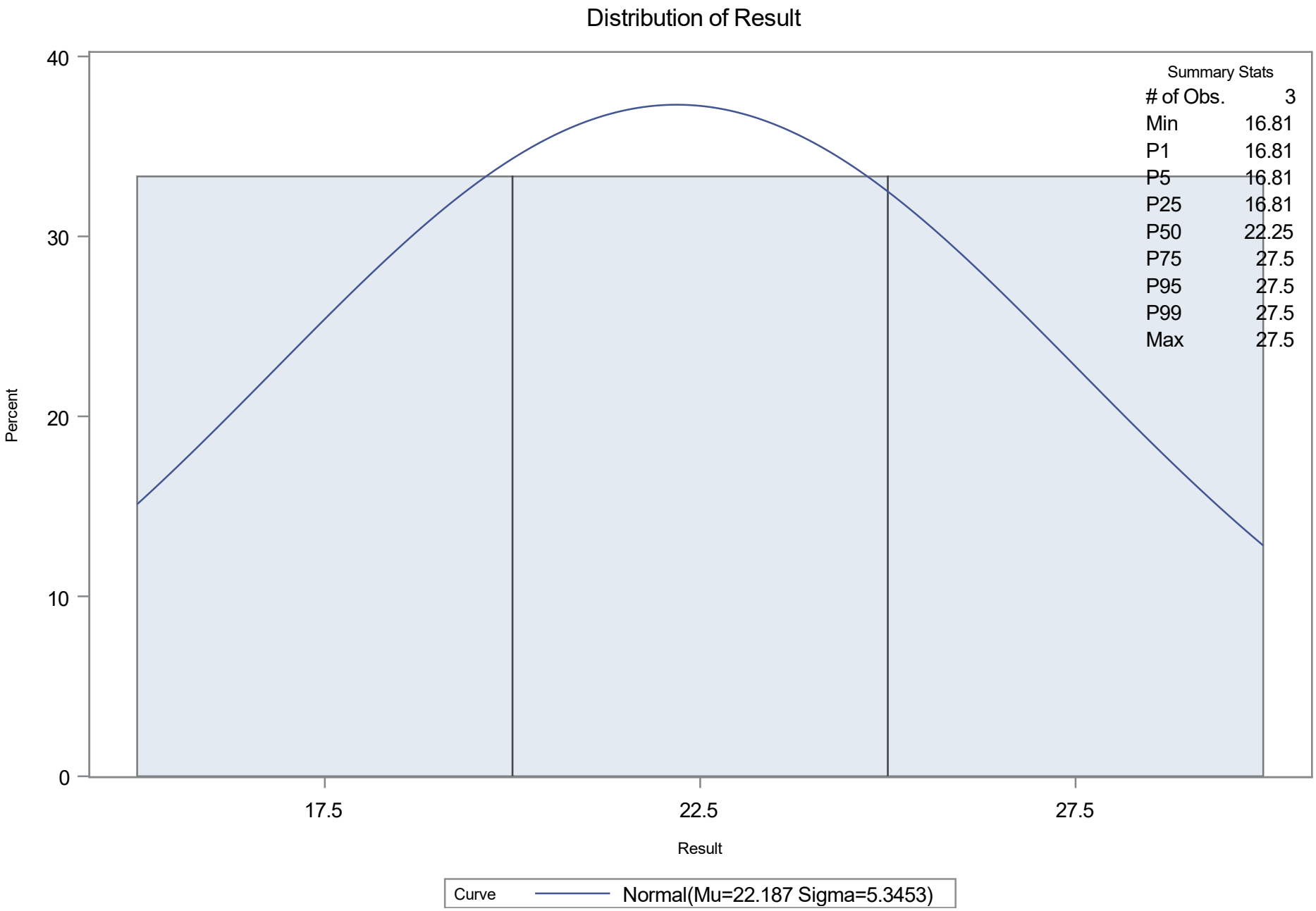
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.18667
Std Dev	Sigma	5.345281

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17609466	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02793205	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.18960540	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.8100	9.75168
5.0	16.8100	13.39446
10.0	16.8100	15.33641
25.0	16.8100	18.58133
50.0	22.2500	22.18667
75.0	27.5000	25.79200
90.0	27.5000	29.03692
95.0	27.5000	30.97887
99.0	27.5000	34.62165

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

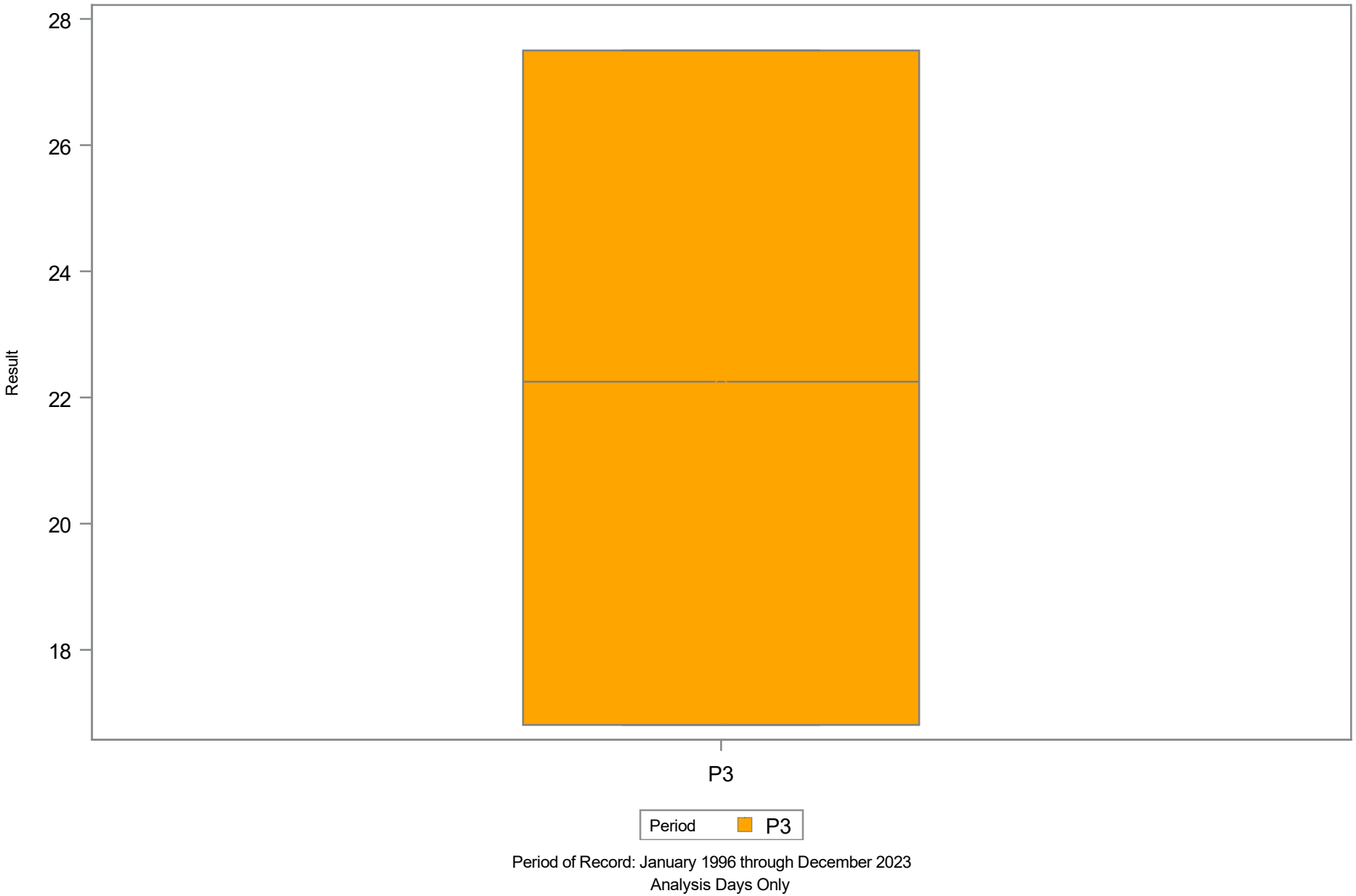
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD Blue Sink SN 670721

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	3	16.81	16.81	22.19	22.25	27.50	27.50

Period of Record: January 1996 through December 2023
Analysis Days Only

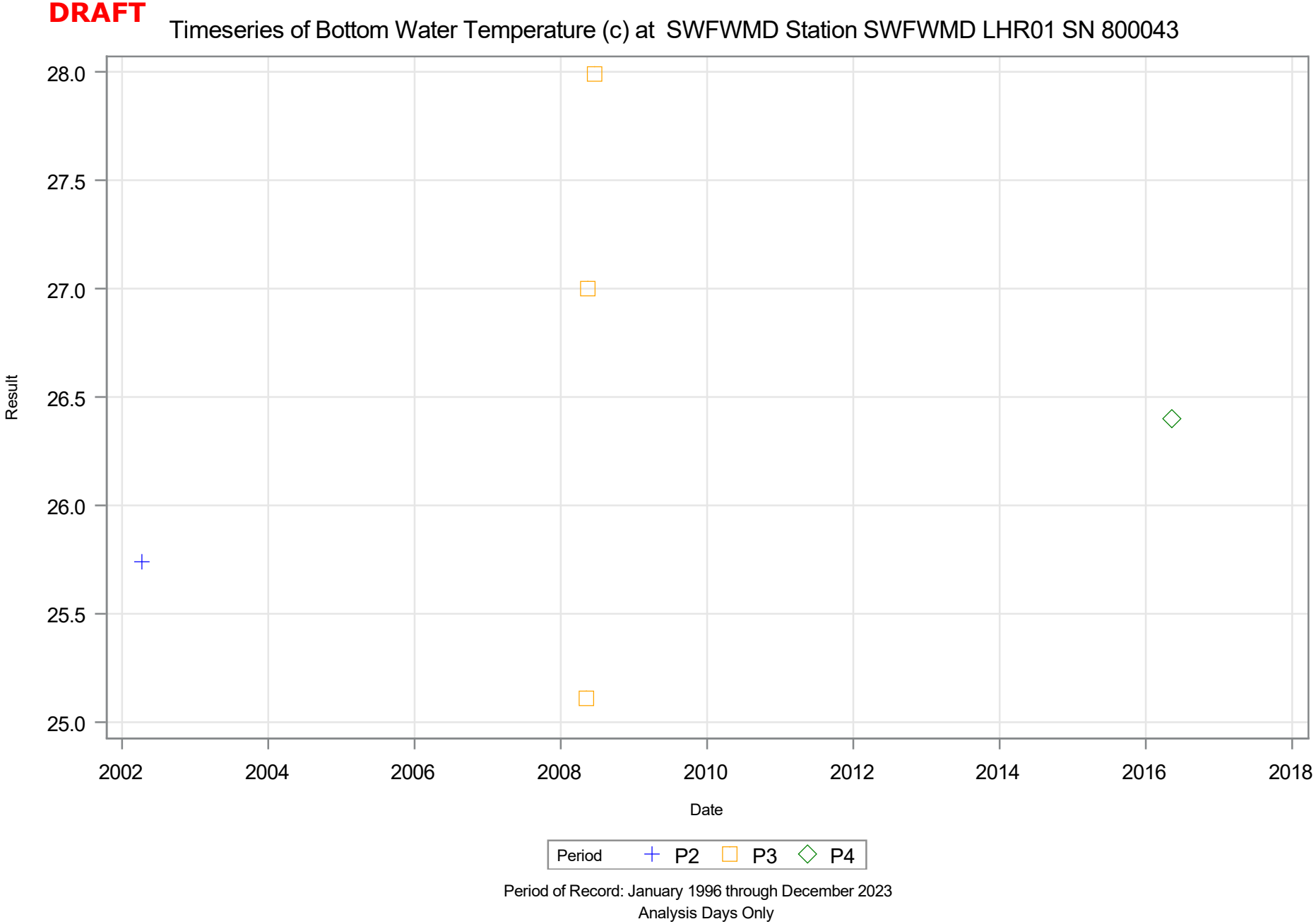
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD Blue Sink SN 670721



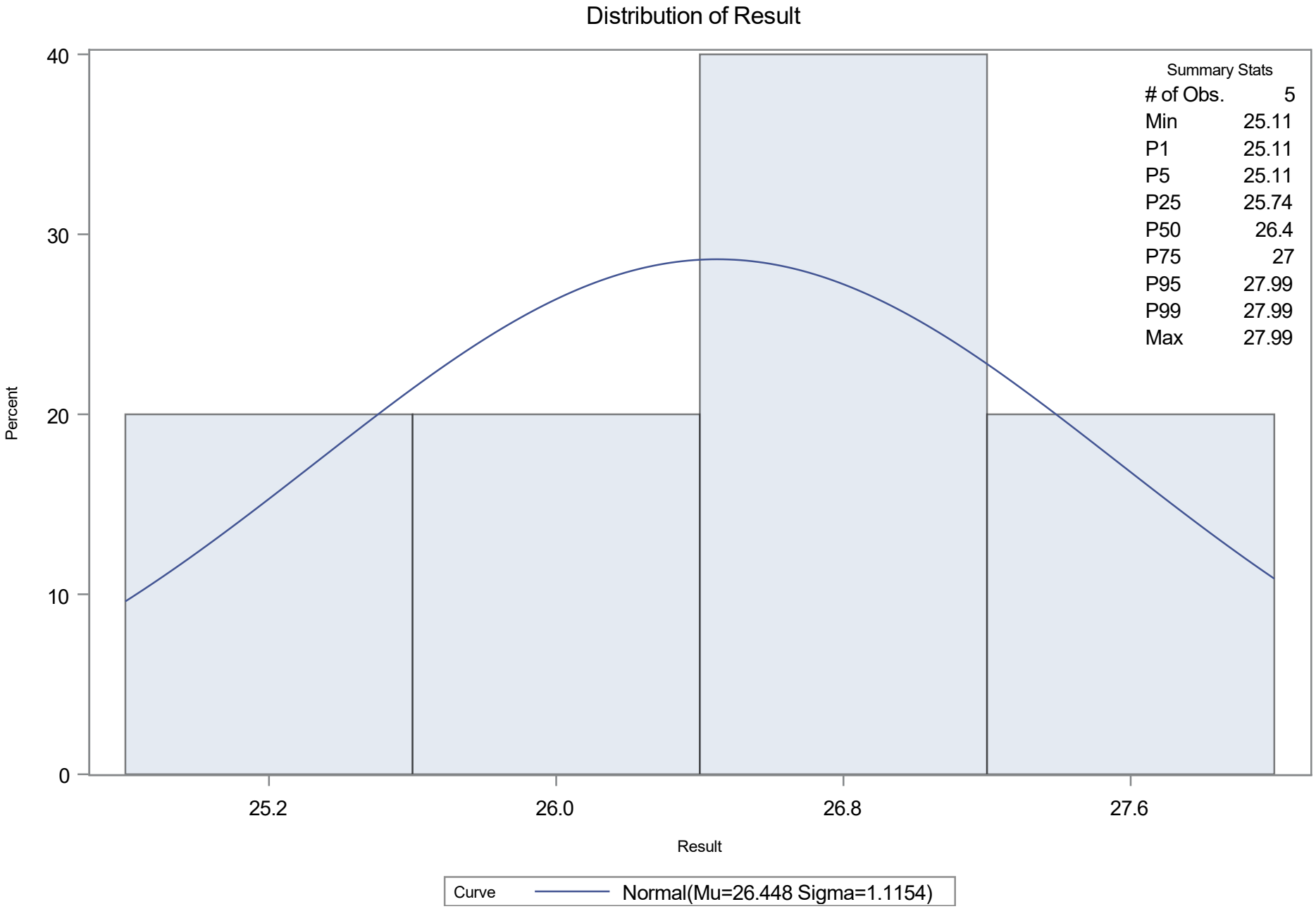
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043
28.0
27.5
27.0
26.5
26.0
25.5
25.0
Result
2002
2004
2006
2008
2010
2012
2014
2016
2018
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.448
Std Dev	Sigma	1.115379

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13720814	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.01895720	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.14445757	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	25.1100	23.8532
5.0	25.1100	24.6134
10.0	25.1100	25.0186
25.0	25.7400	25.6957
50.0	26.4000	26.4480
75.0	27.0000	27.2003
90.0	27.9900	27.8774
95.0	27.9900	28.2826
99.0	27.9900	29.0428

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

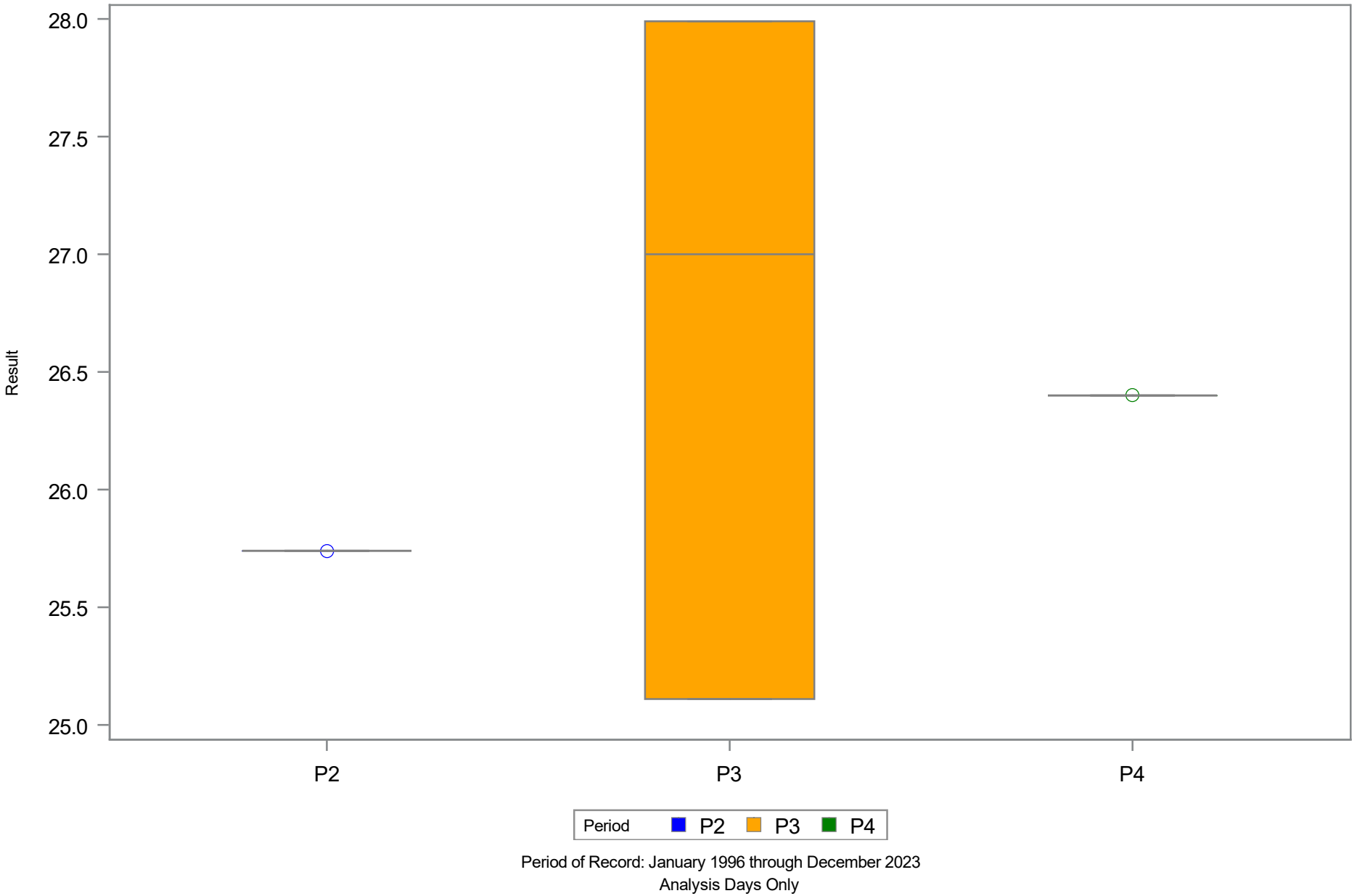
Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	25.74	25.74	25.74	25.74	25.74	25.74
P3	3	25.11	25.11	26.70	27.00	27.99	27.99
P4	1	26.40	26.40	26.40	26.40	26.40	26.40

Period of Record: January 1996 through December 2023
Analysis Days Only

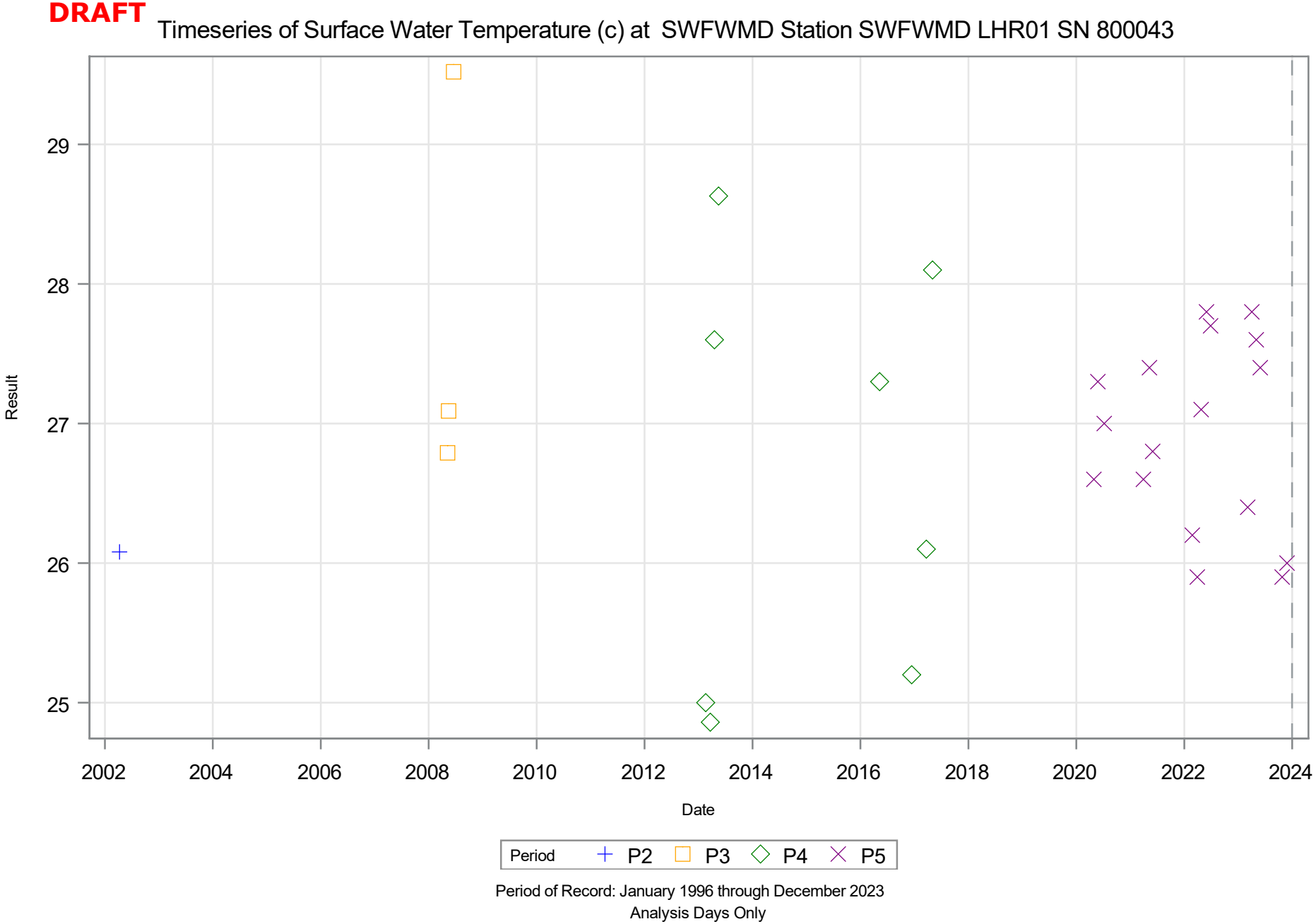
DRAFT

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043



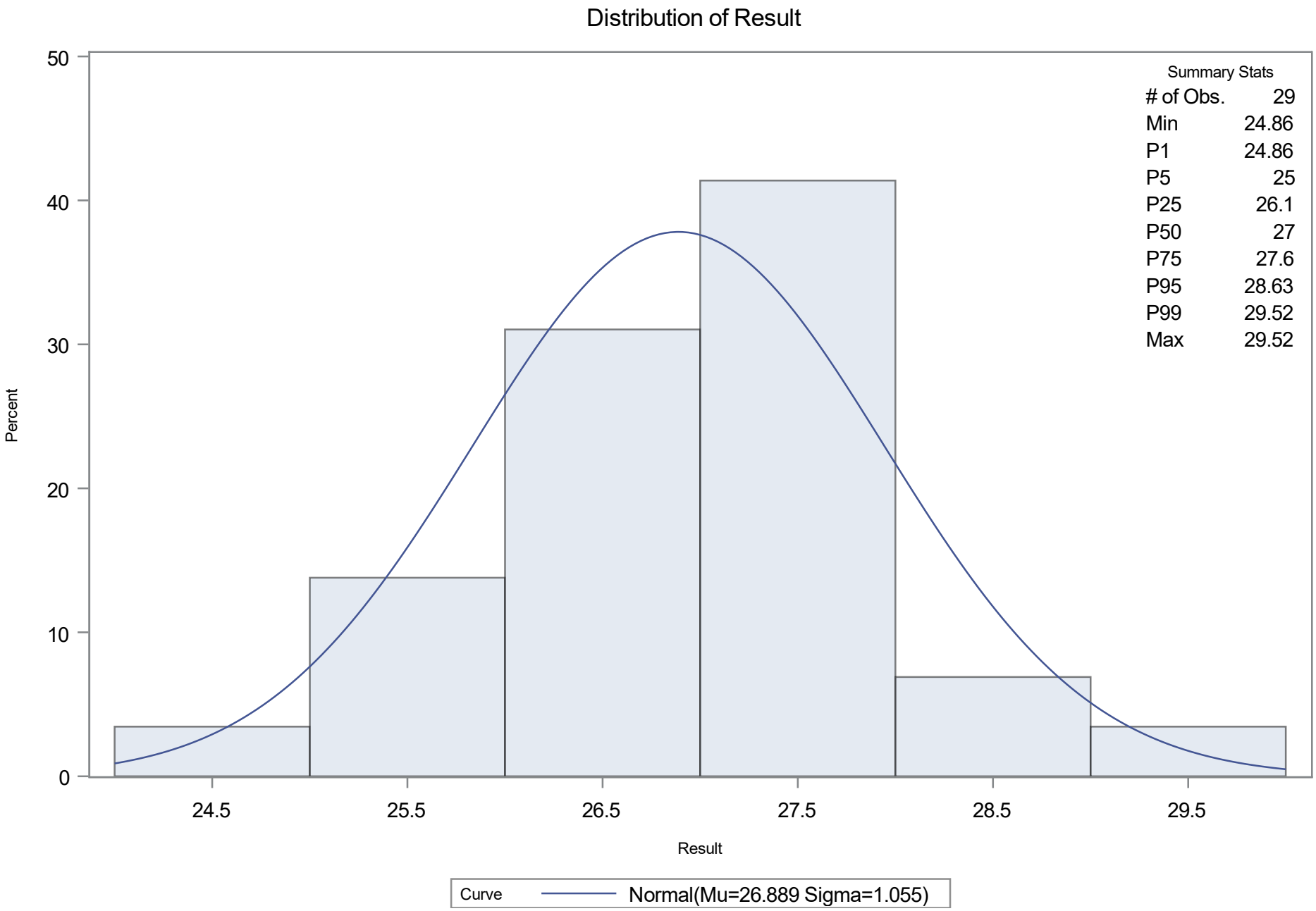
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043
Result
29
28
27
26
25
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.88862
Std Dev	Sigma	1.055018

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09038628	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02874445	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21965048	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	24.8600	24.4343
5.0	25.0000	25.1533
10.0	25.2000	25.5366
25.0	26.1000	26.1770
50.0	27.0000	26.8886
75.0	27.6000	27.6002
90.0	28.1000	28.2407
95.0	28.6300	28.6240
99.0	29.5200	29.3430

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

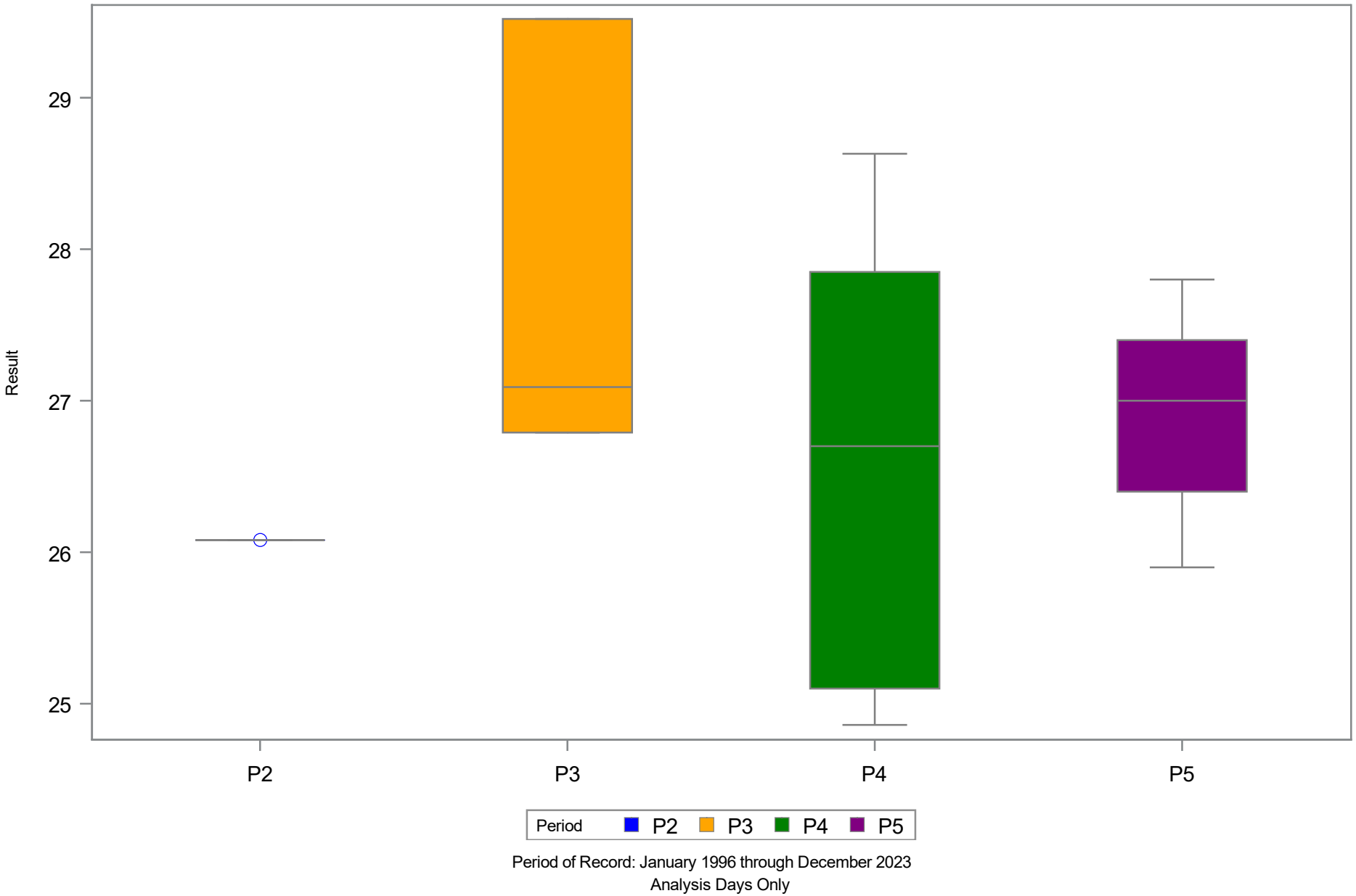
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	1	26.08	26.08	26.08	26.08	26.08	26.08
P3	3	26.79	26.79	27.80	27.09	29.52	29.52
P4	8	24.86	25.10	26.60	26.70	27.85	28.63
P5	17	25.90	26.40	26.91	27.00	27.40	27.80

Period of Record: January 1996 through December 2023
Analysis Days Only

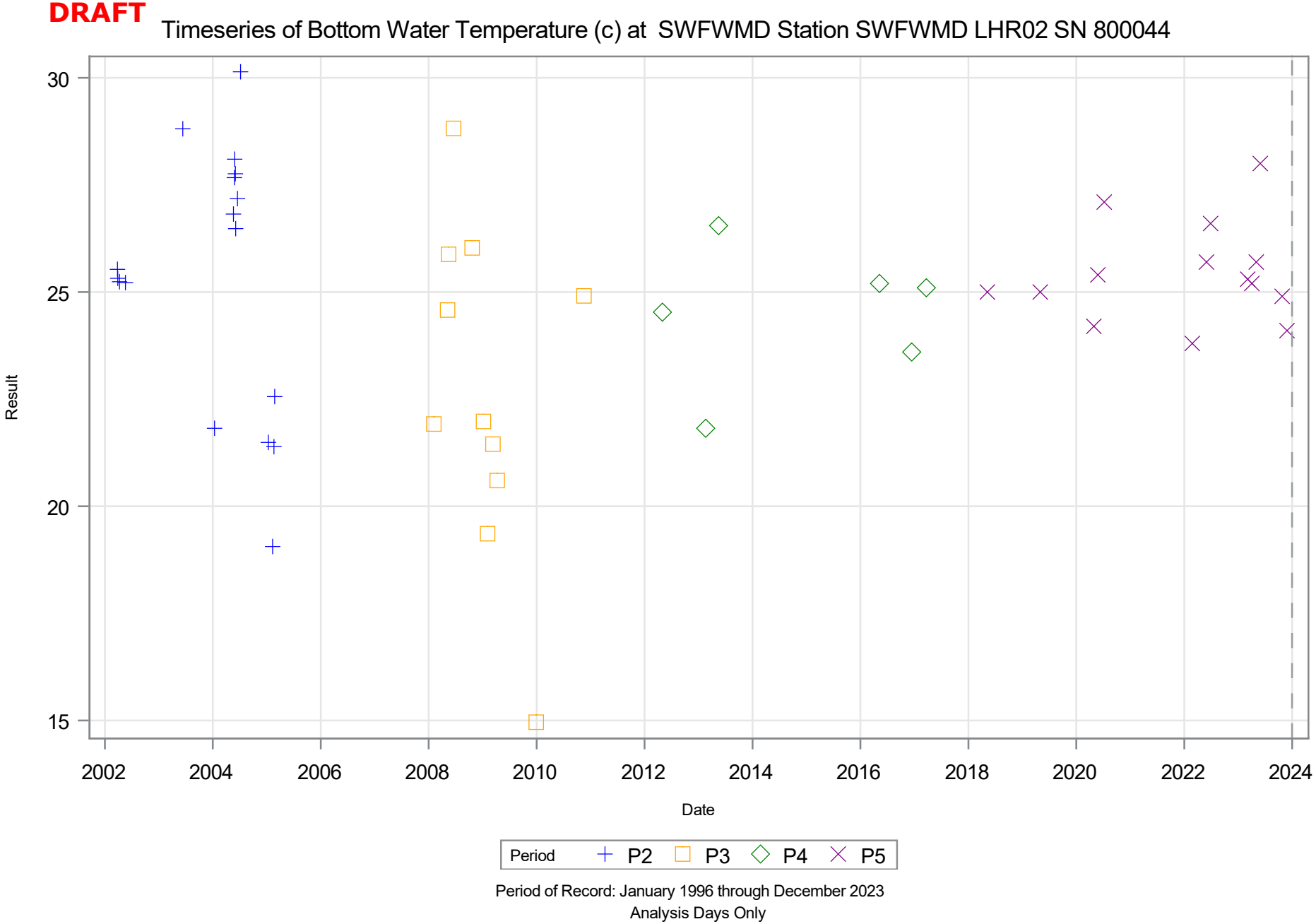
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR01 SN 800043



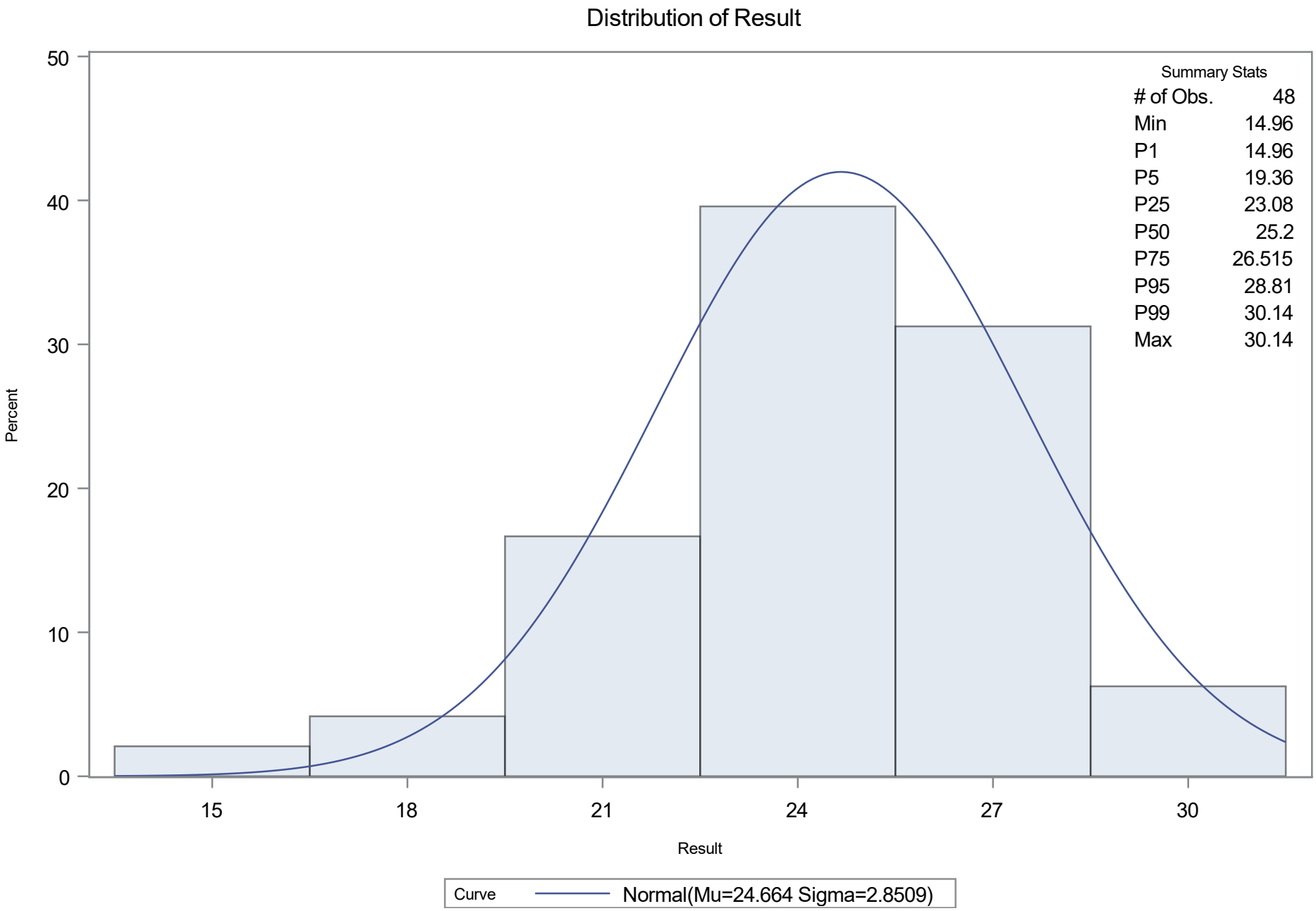
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.66417
Std Dev	Sigma	2.850918

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15796367	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18505890	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	0.92621091	**Pr > A-Sq**	0.019

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.9600	18.0319
5.0	19.3600	19.9748
10.0	21.3900	21.0106
25.0	23.0800	22.7413
50.0	25.2000	24.6642
75.0	26.5150	26.5871
90.0	28.0000	28.3178
95.0	28.8100	29.3535
99.0	30.1400	31.2964

Period of Record: January 1996 through December 2023
Analysis Days Only

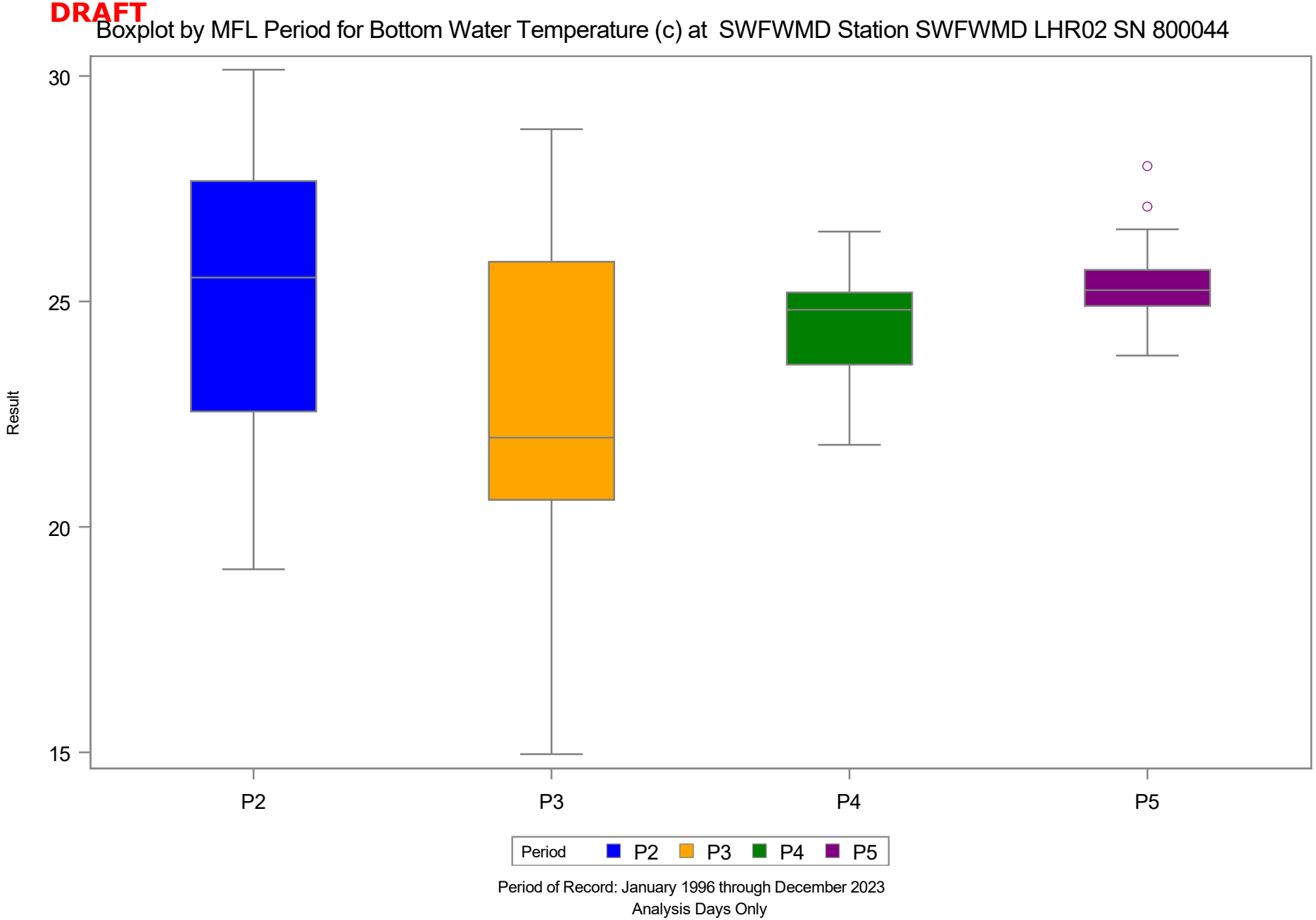
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	17	19.06	22.56	25.33	25.53	27.67	30.14
P3	11	14.96	20.60	22.77	21.98	25.88	28.82
P4	6	21.82	23.60	24.47	24.82	25.20	26.55
P5	14	23.80	24.90	25.43	25.25	25.70	28.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

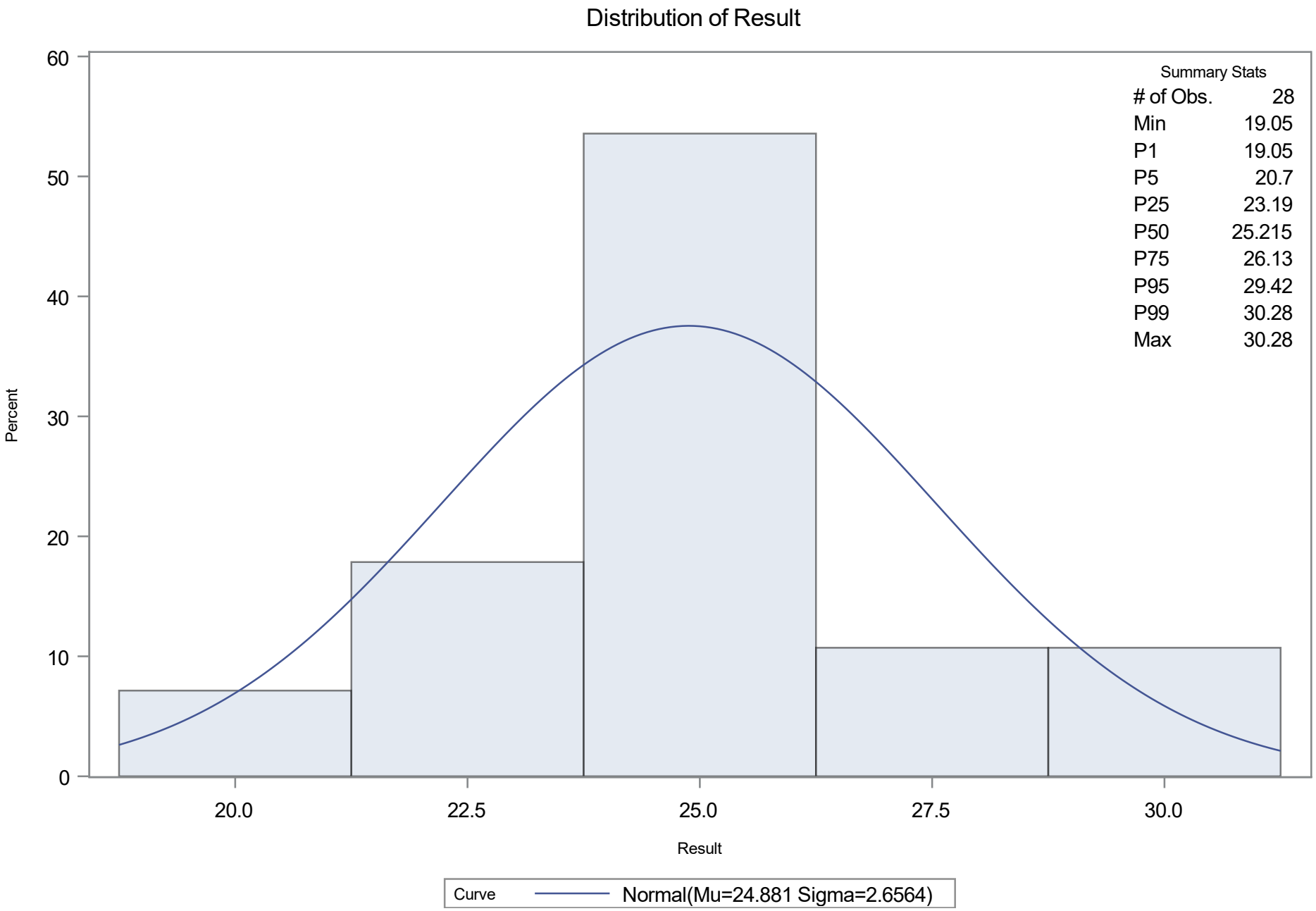
DRAFT

Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.88107
Std Dev	Sigma	2.656406

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12153734	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09659636	**Pr > W-Sq**	0.122
Anderson-Darling	**A-Sq**	0.50122578	**Pr > A-Sq**	0.199

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19.0500	18.7013
5.0	20.7000	20.5117
10.0	21.4300	21.4768
25.0	23.1900	23.0894
50.0	25.2150	24.8811
75.0	26.1300	26.6728
90.0	29.3500	28.2854
95.0	29.4200	29.2505
99.0	30.2800	31.0608

Period of Record: January 1996 through December 2023
Analysis Days Only

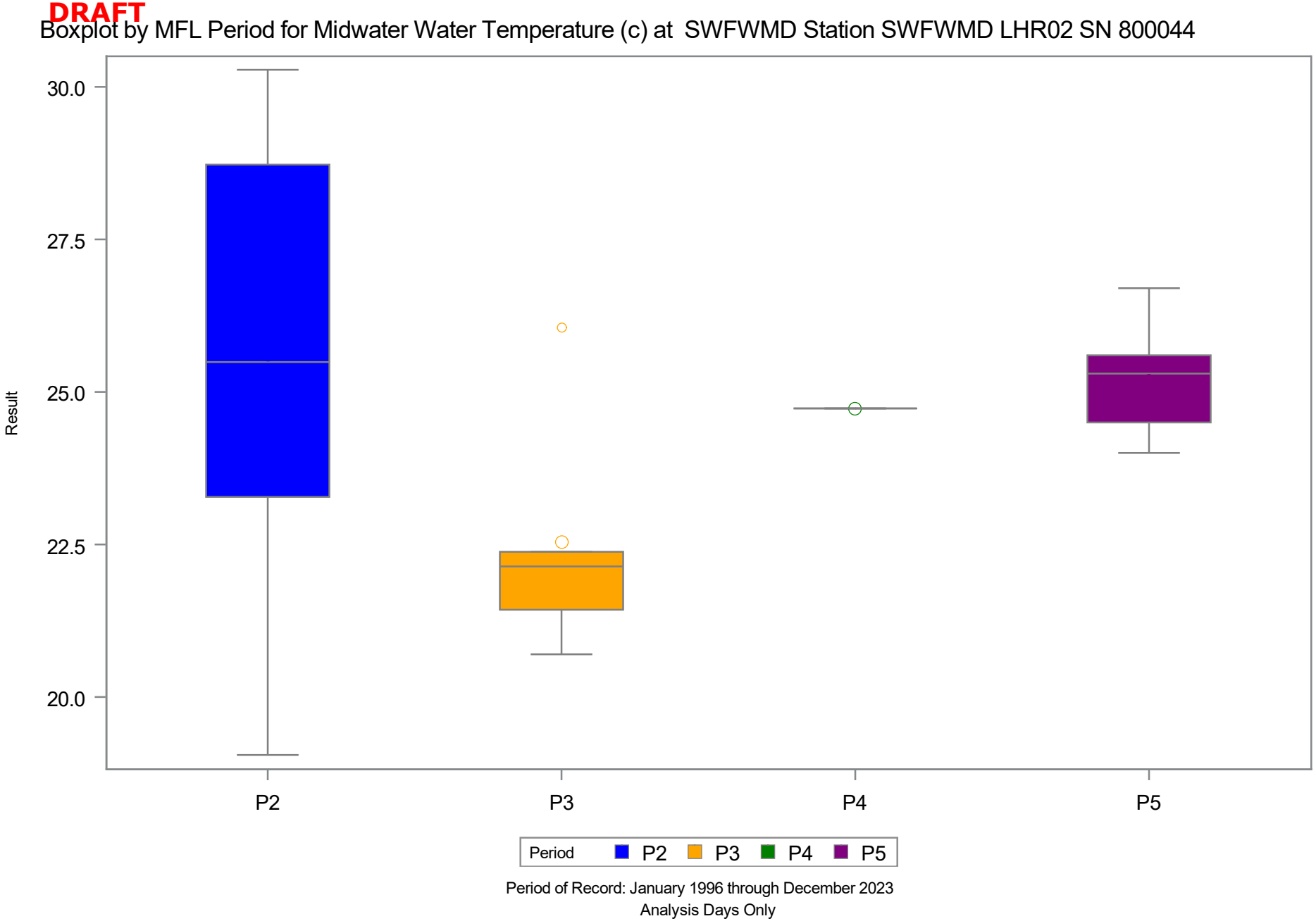
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

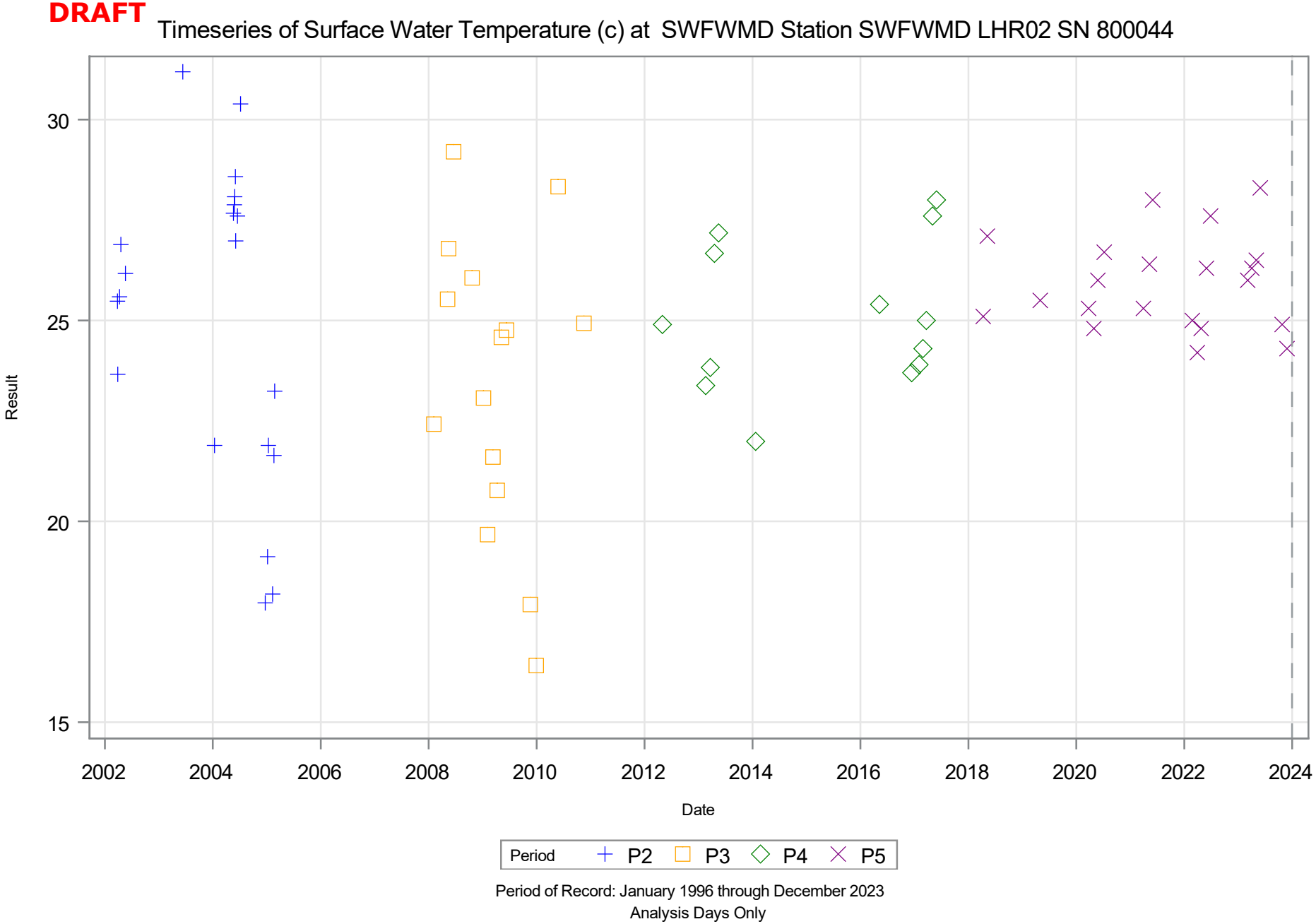
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	12	19.05	23.28	25.61	25.49	28.73	30.28
P3	5	20.70	21.43	22.54	22.14	22.38	26.06
P4	1	24.73	24.73	24.73	24.73	24.73	24.73
P5	10	24.00	24.50	25.19	25.30	25.60	26.70

Period of Record: January 1996 through December 2023
Analysis Days Only

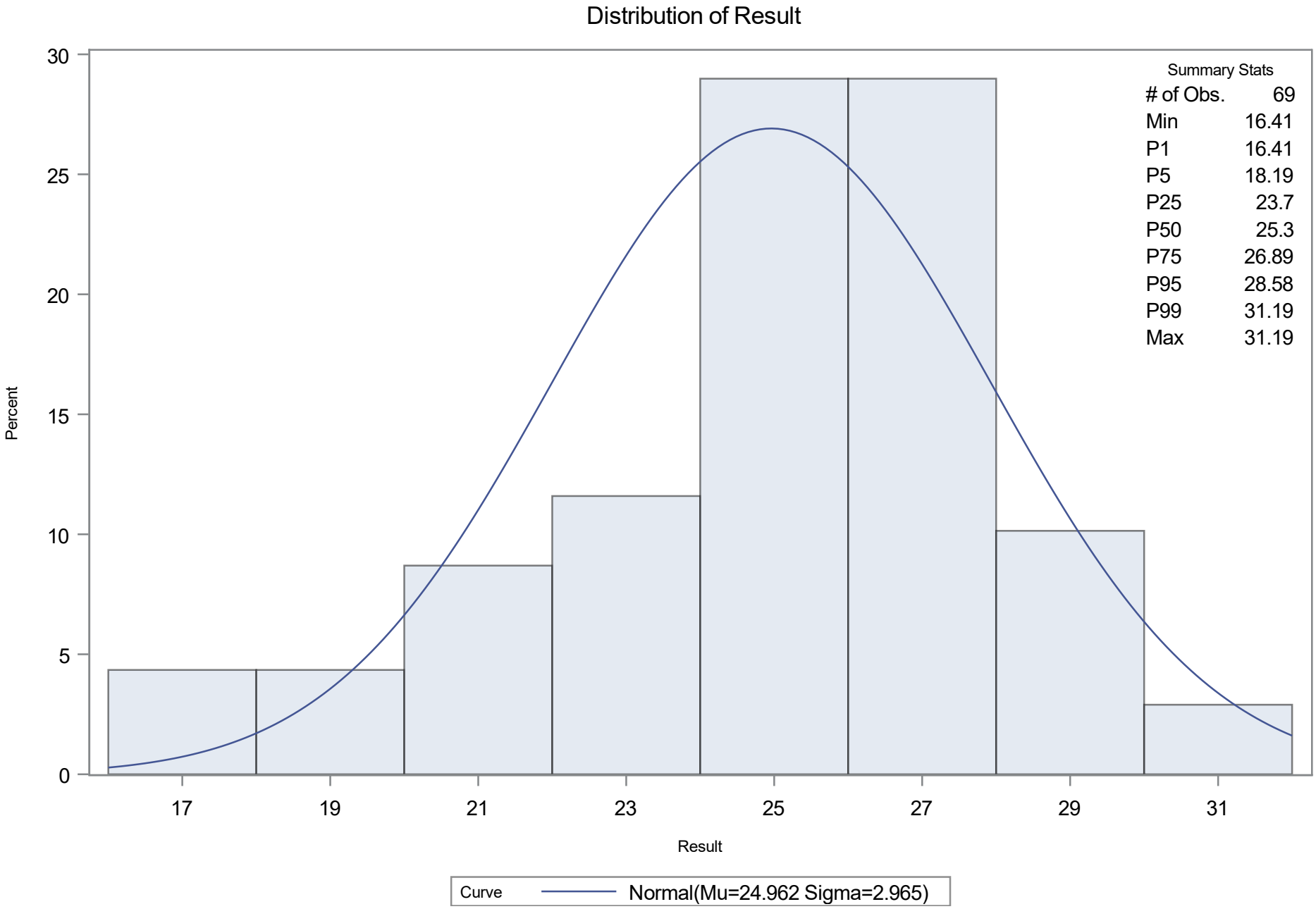
DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
30.0
27.5
25.0
22.5
20.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.96232
Std Dev	Sigma	2.964996

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12497289	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18993305	**Pr > W-Sq**	0.007
Anderson-Darling	**A-Sq**	1.17433530	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.4100	18.0647
5.0	18.1900	20.0853
10.0	20.7700	21.1625
25.0	23.7000	22.9625
50.0	25.3000	24.9623
75.0	26.8900	26.9622
90.0	28.0800	28.7621
95.0	28.5800	29.8393
99.0	31.1900	31.8599

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

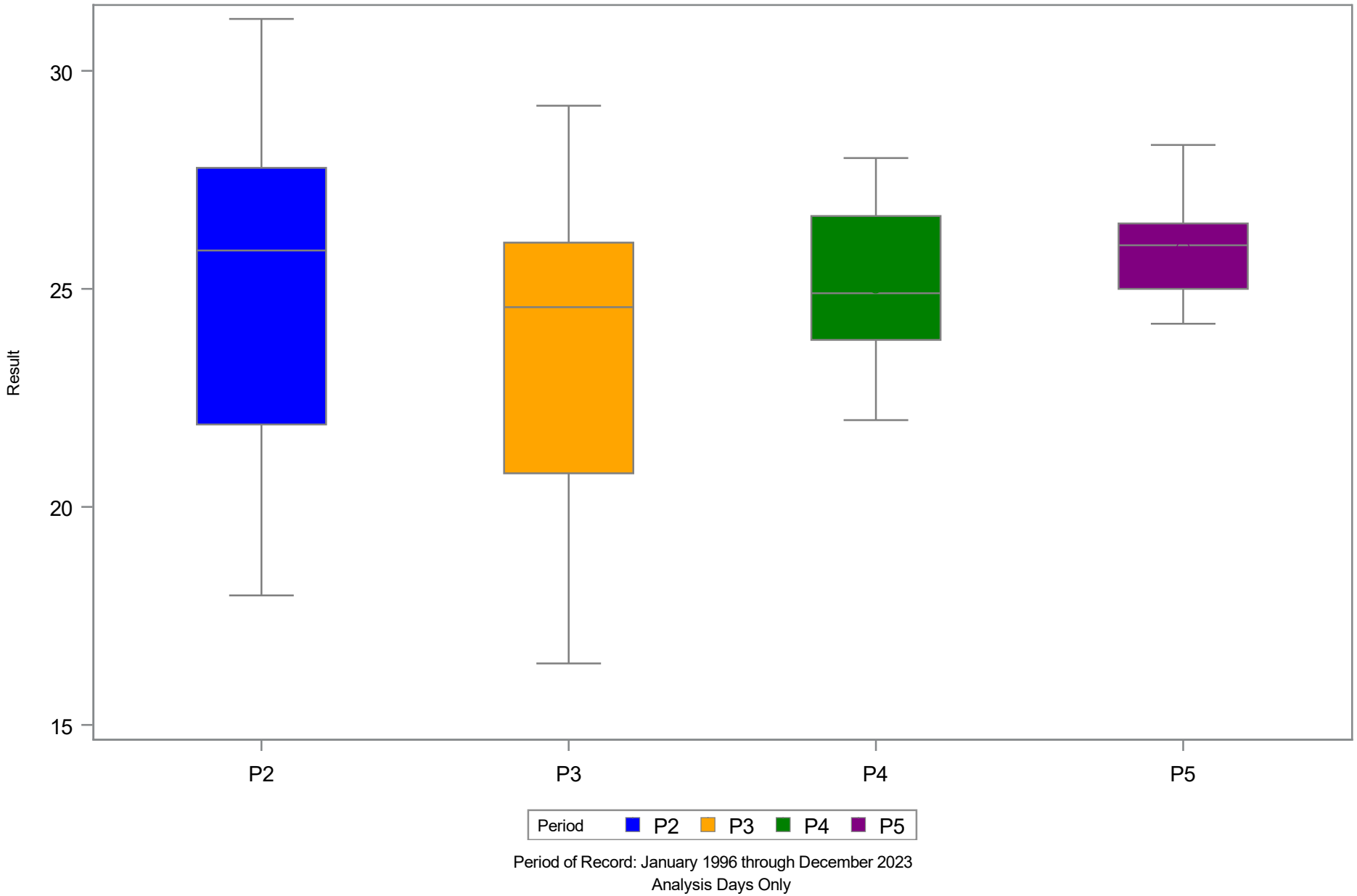
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	17.97	21.89	25.01	25.88	27.78	31.19
P3	15	16.41	20.77	23.47	24.58	26.06	29.20
P4	13	21.99	23.83	25.07	24.90	26.67	28.00
P5	21	24.20	25.00	25.92	26.00	26.50	28.30

Period of Record: January 1996 through December 2023
Analysis Days Only

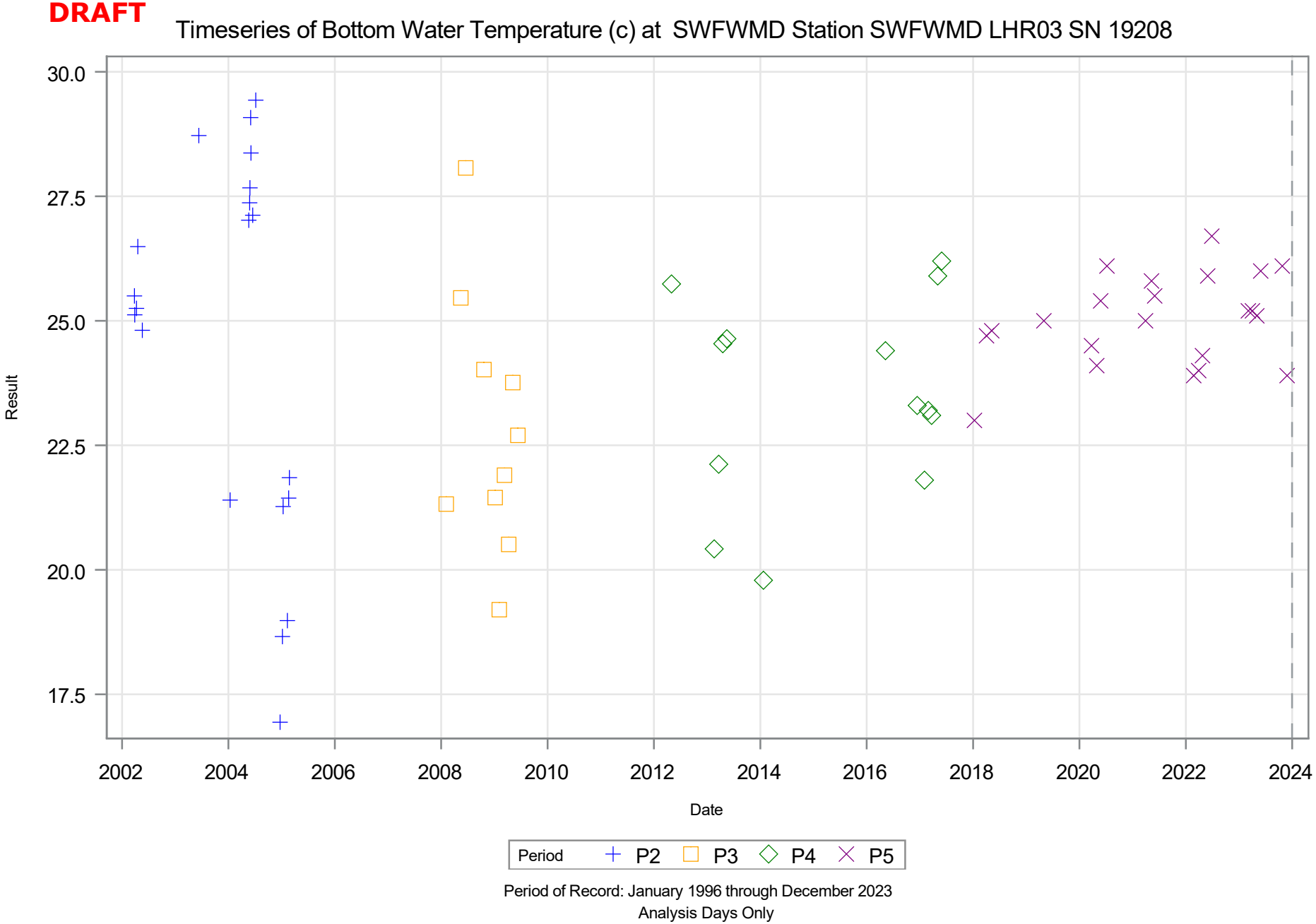
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR02 SN 800044

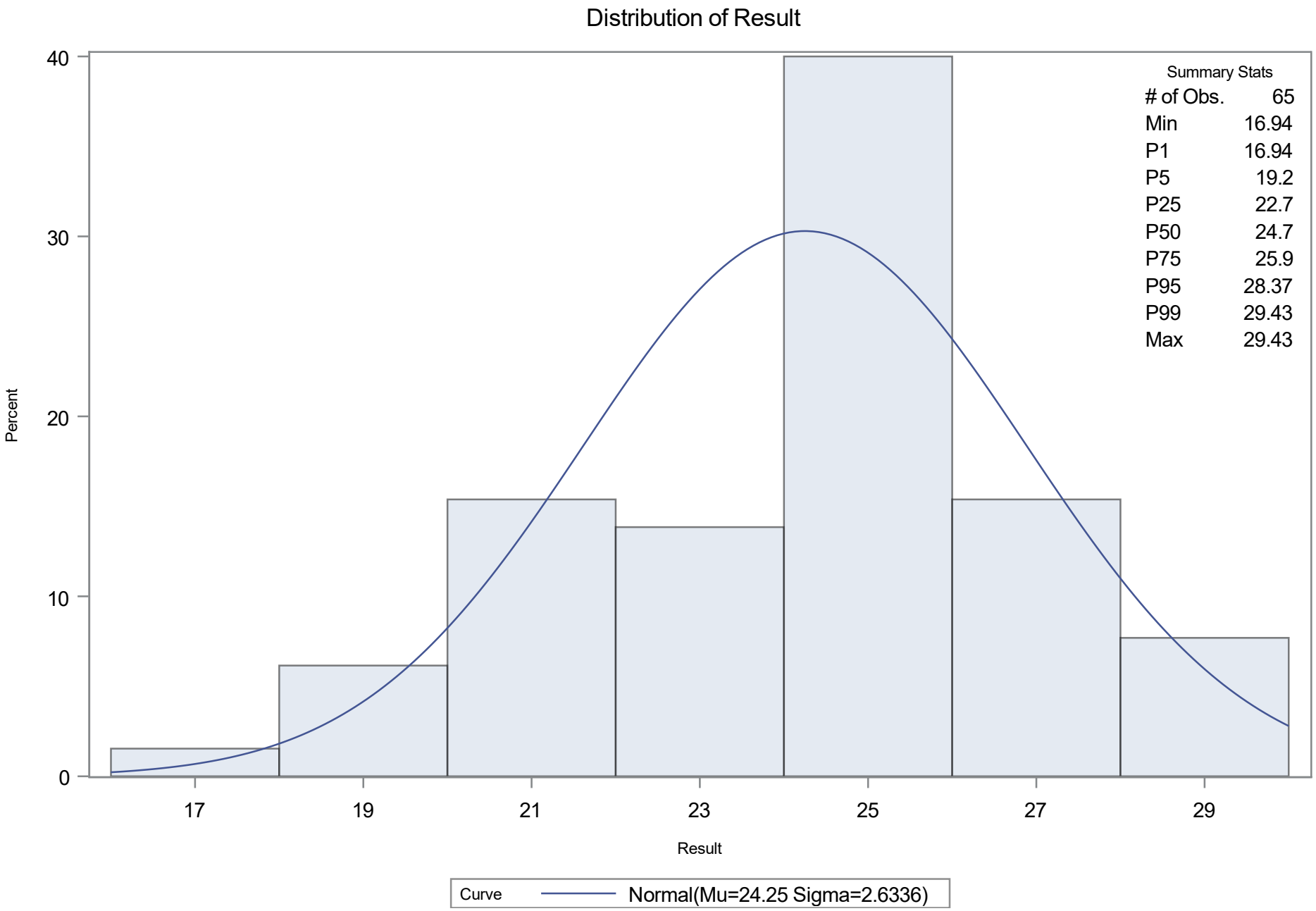


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
30.0
27.5
25.0
22.5
20.0
17.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.24969
Std Dev	Sigma	2.633556

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10872084	**Pr > D**	0.055
Cramer-von Mises	**W-Sq**	0.13078098	**Pr > W-Sq**	0.043
Anderson-Darling	**A-Sq**	0.65791090	**Pr > A-Sq**	0.086

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.9400	18.1231
5.0	19.2000	19.9179
10.0	20.5100	20.8747
25.0	22.7000	22.4734
50.0	24.7000	24.2497
75.0	25.9000	26.0260
90.0	27.3700	27.6247
95.0	28.3700	28.5815
99.0	29.4300	30.3763

Period of Record: January 1996 through December 2023
Analysis Days Only

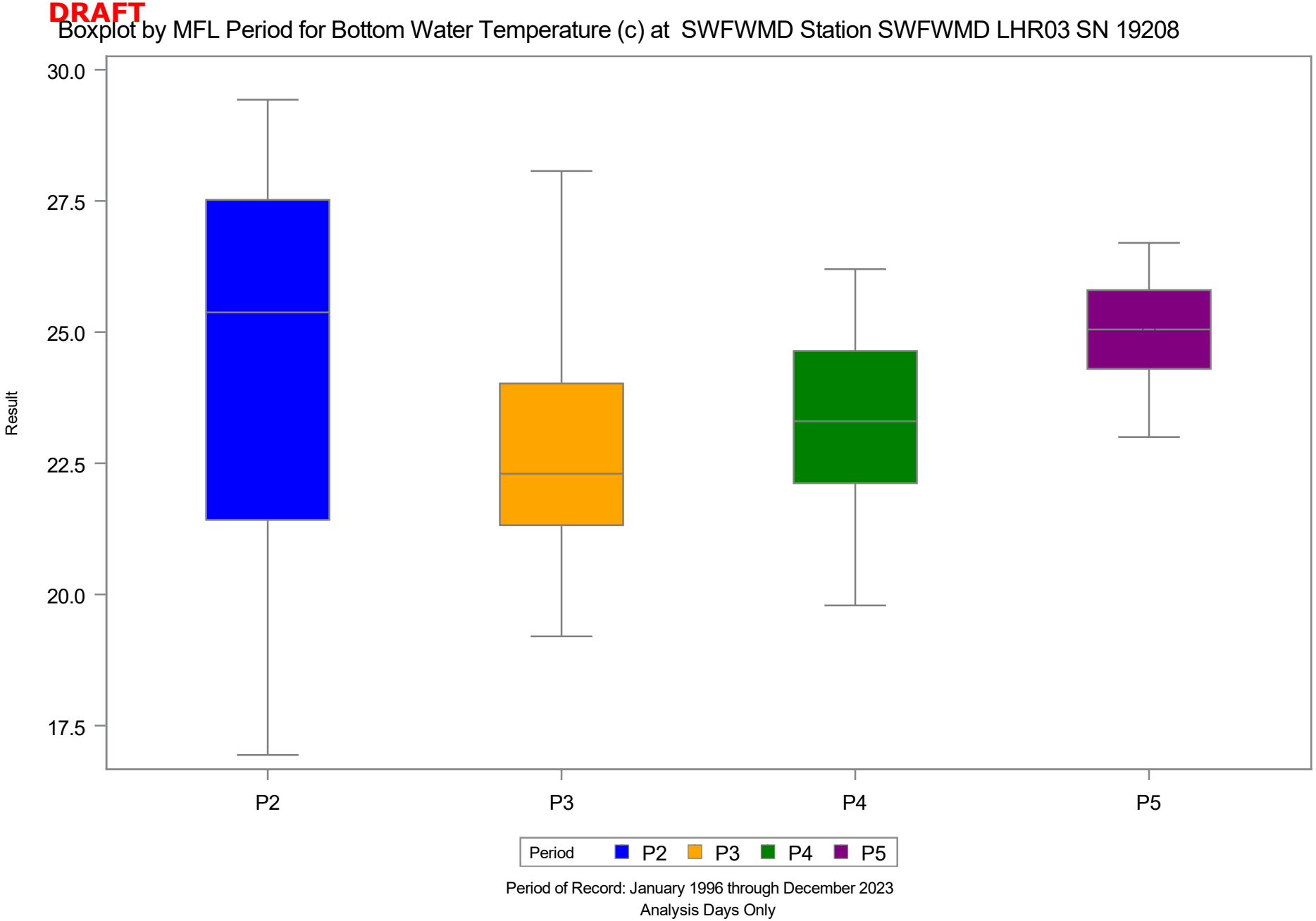
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208

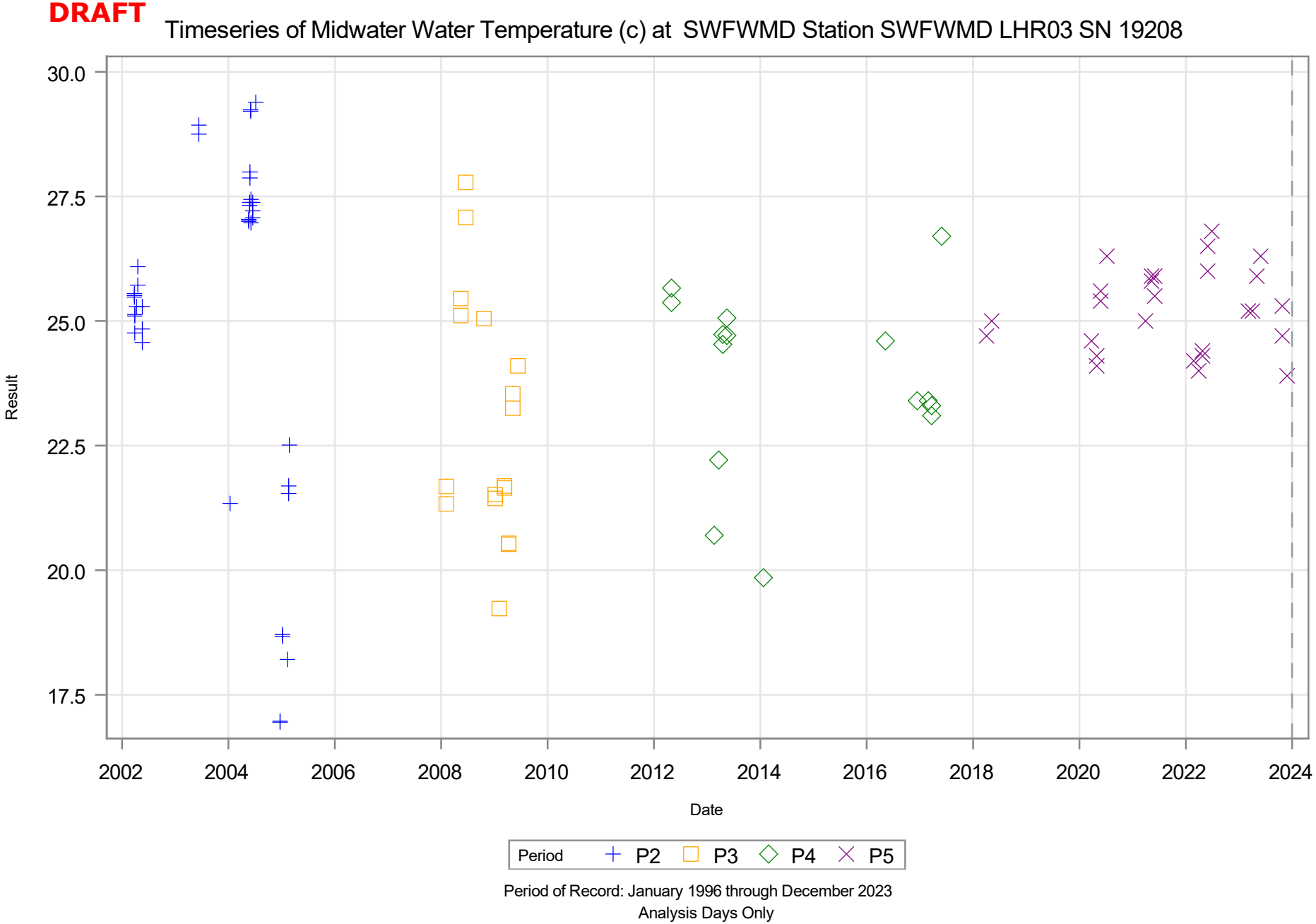
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	16.94	21.42	24.62	25.38	27.52	29.43
P3	10	19.20	21.32	22.84	22.30	24.02	28.07
P4	13	19.79	22.12	23.47	23.30	24.64	26.20
P5	22	23.00	24.30	25.01	25.05	25.80	26.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

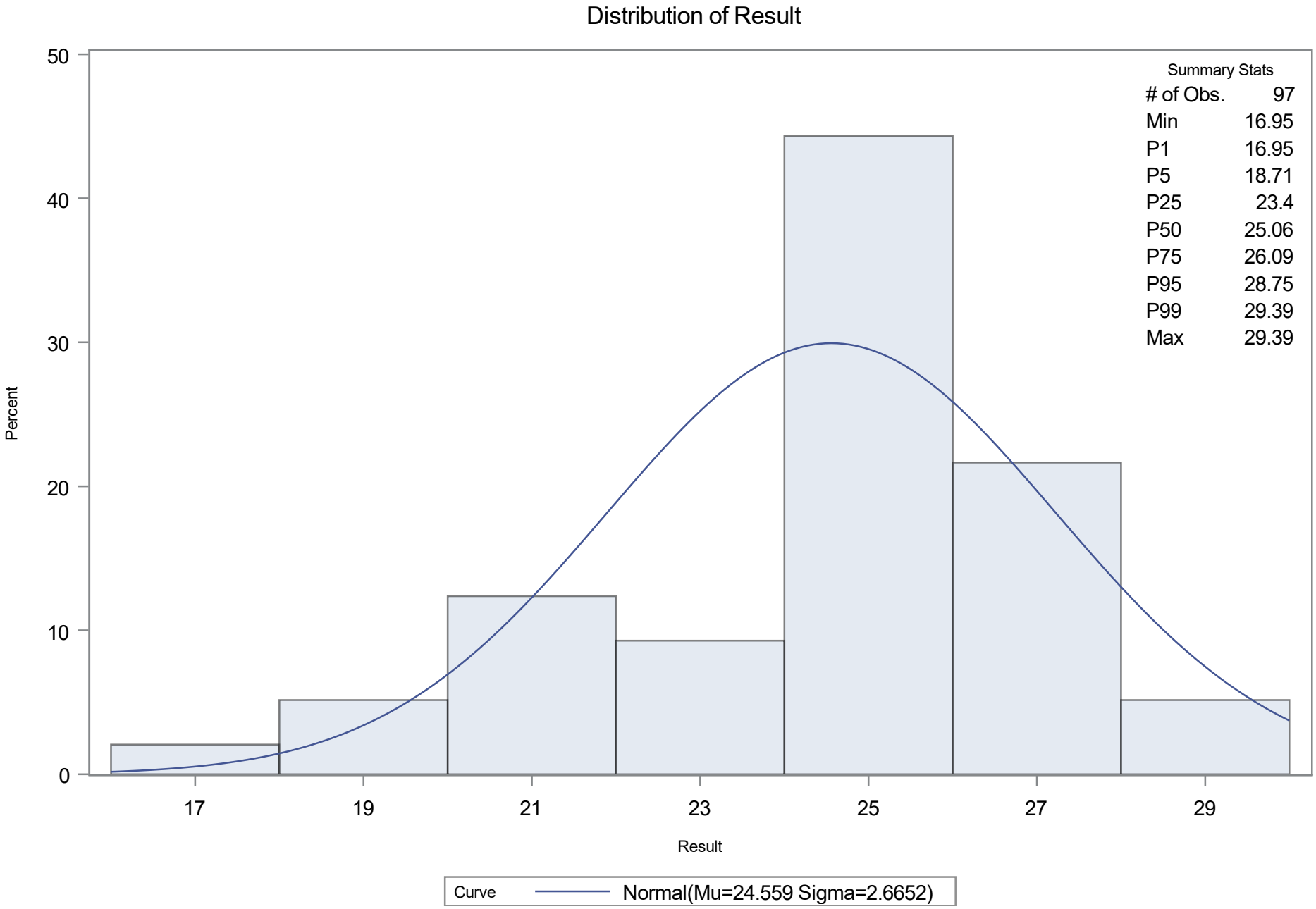

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
30.0
27.5
25.0
22.5
20.0
17.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
30.0
27.5
25.0
22.5
20.0
17.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.55897
Std Dev	Sigma	2.665208

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13483910	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.35157775	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.83490328	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.9500	18.3588
5.0	18.7100	20.1751
10.0	20.7000	21.1434
25.0	23.4000	22.7613
50.0	25.0600	24.5590
75.0	26.0900	26.3566
90.0	27.3800	27.9746
95.0	28.7500	28.9428
99.0	29.3900	30.7592

Period of Record: January 1996 through December 2023
Analysis Days Only

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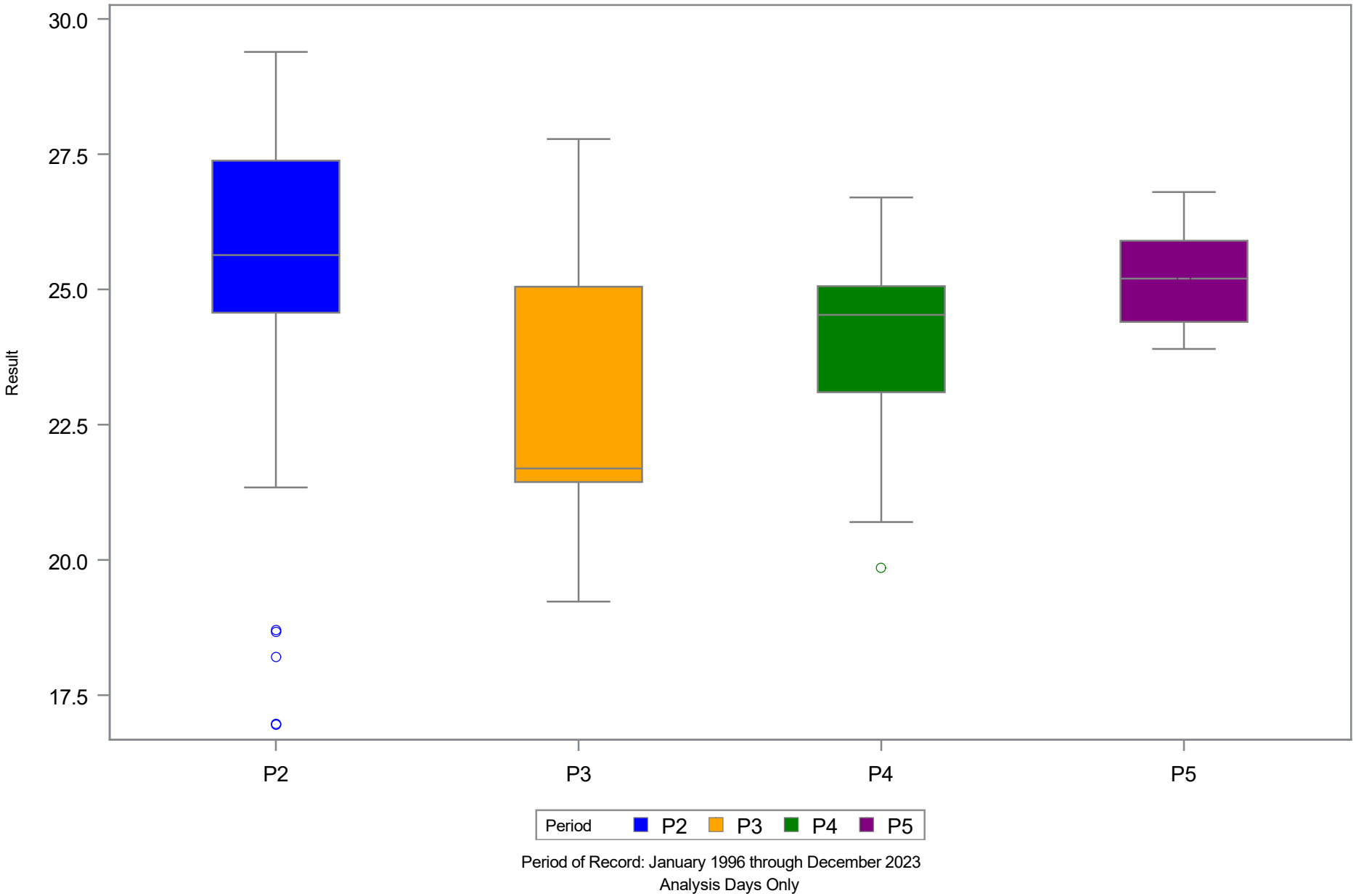
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	38	16.95	24.57	25.08	25.64	27.38	29.39
P3	17	19.23	21.44	23.00	21.69	25.05	27.78
P4	15	19.85	23.10	23.82	24.53	25.06	26.70
P5	27	23.90	24.40	25.21	25.20	25.90	26.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208



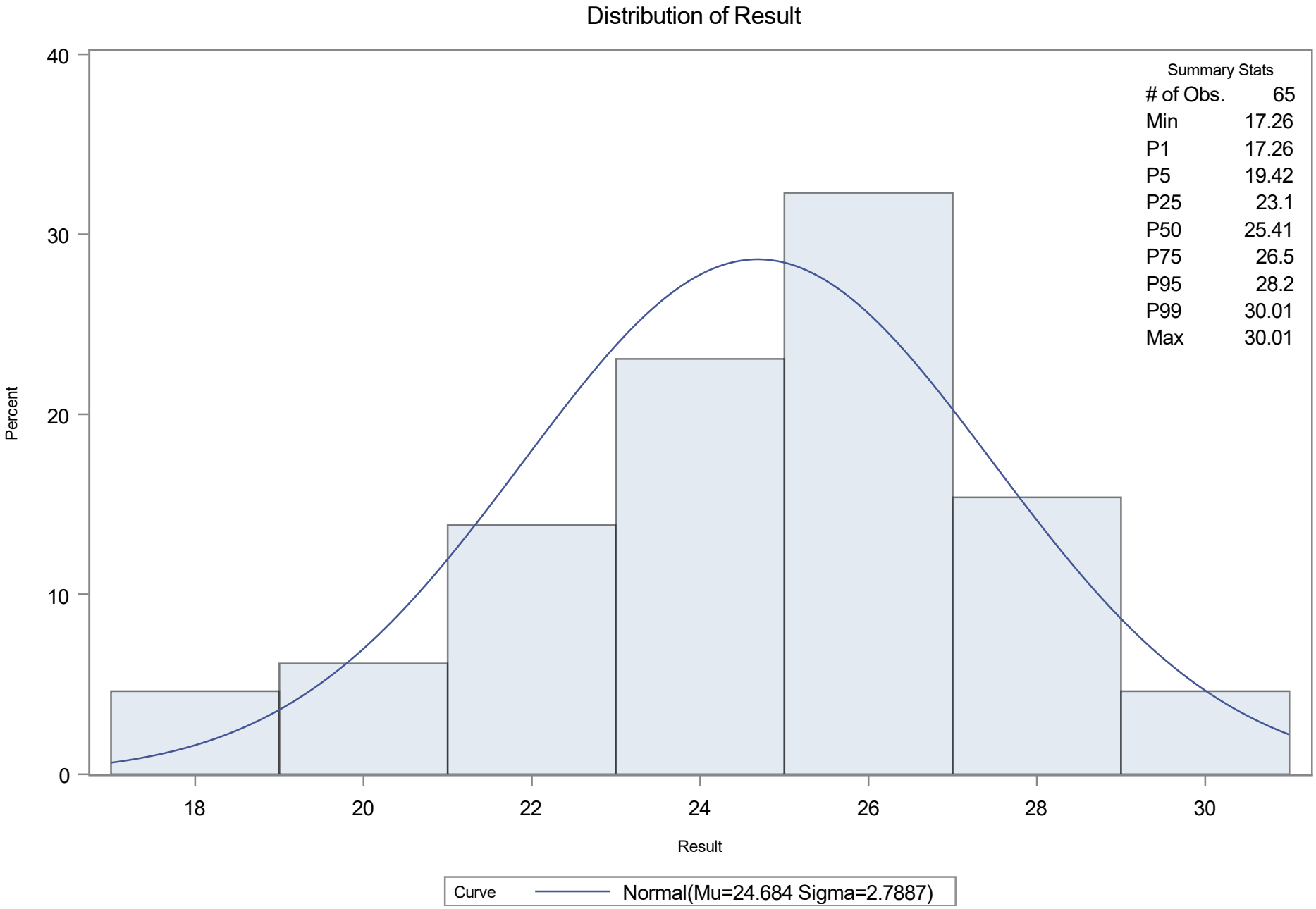
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.68446
Std Dev	Sigma	2.788705

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11032612	**Pr > D**	0.048
Cramer-von Mises	**W-Sq**	0.10296533	**Pr > W-Sq**	0.101
Anderson-Darling	**A-Sq**	0.58712408	**Pr > A-Sq**	0.126

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.2600	18.1970
5.0	19.4200	20.0974
10.0	20.9100	21.1106
25.0	23.1000	22.8035
50.0	25.4100	24.6845
75.0	26.5000	26.5654
90.0	27.9000	28.2583
95.0	28.2000	29.2715
99.0	30.0100	31.1720

Period of Record: January 1996 through December 2023
Analysis Days Only

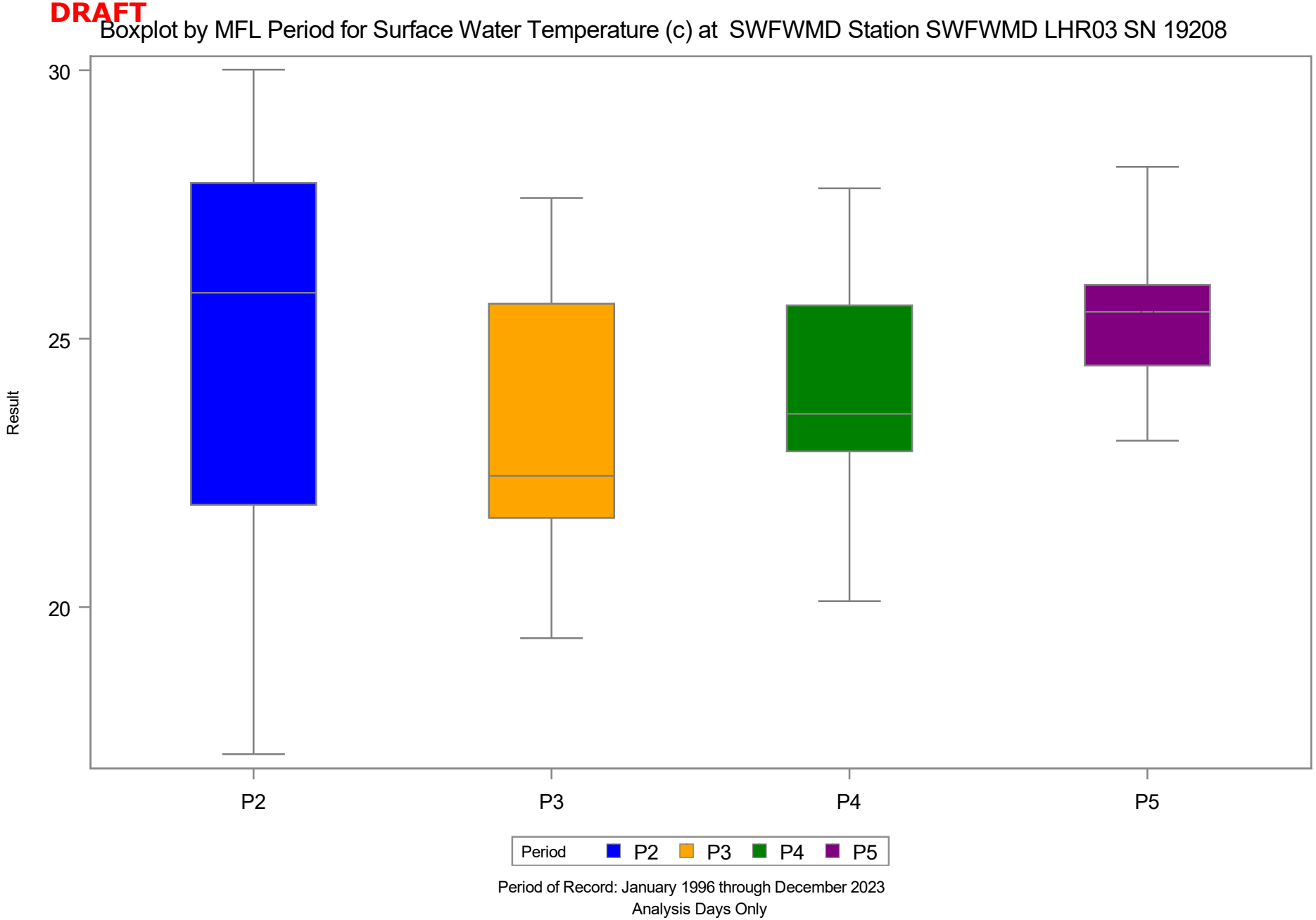
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	17.26	21.91	24.96	25.86	27.90	30.01
P3	10	19.42	21.66	23.08	22.45	25.65	27.62
P4	13	20.11	22.90	24.15	23.60	25.62	27.80
P5	22	23.10	24.50	25.47	25.50	26.00	28.20

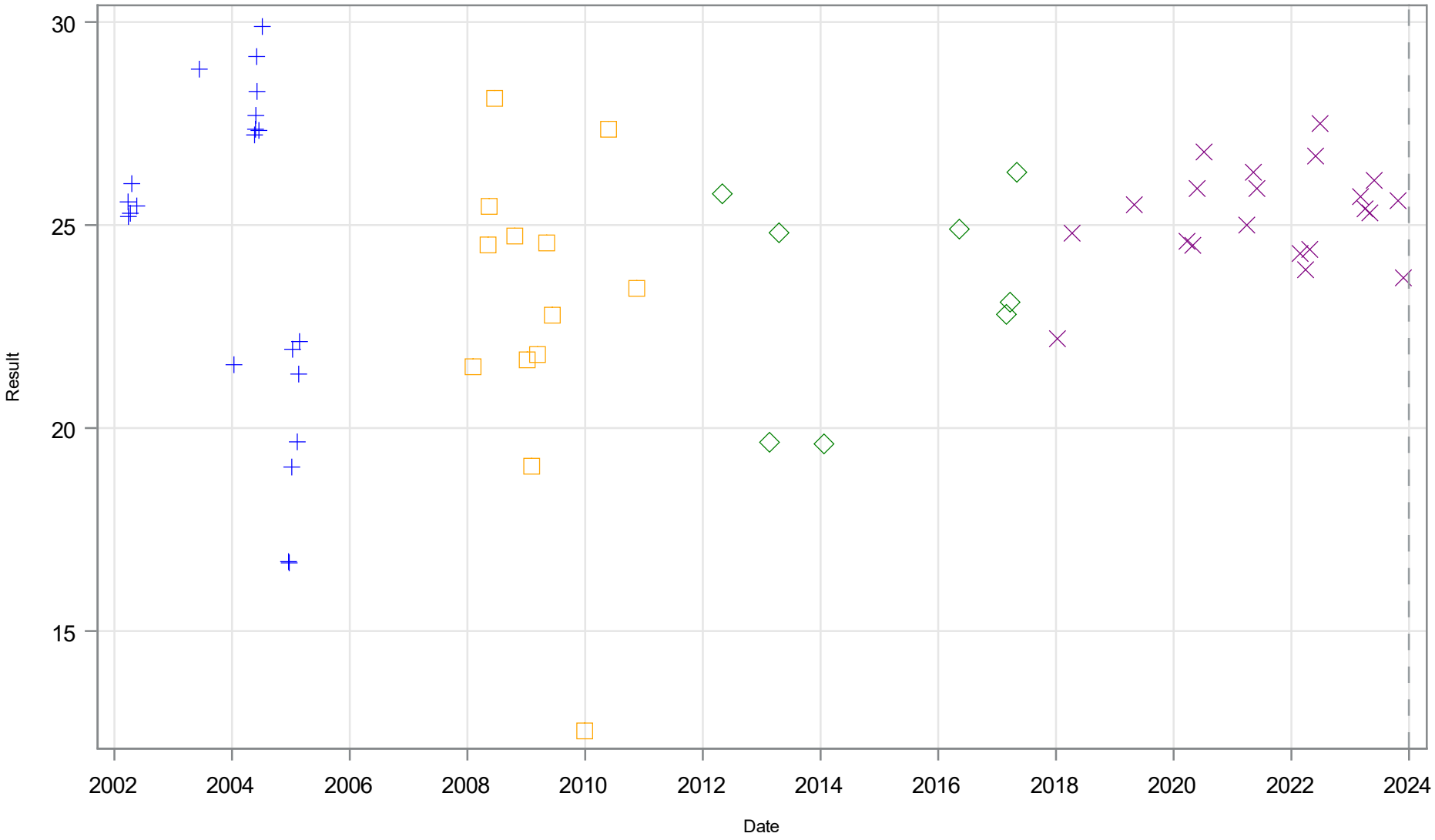
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
30
25
20
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

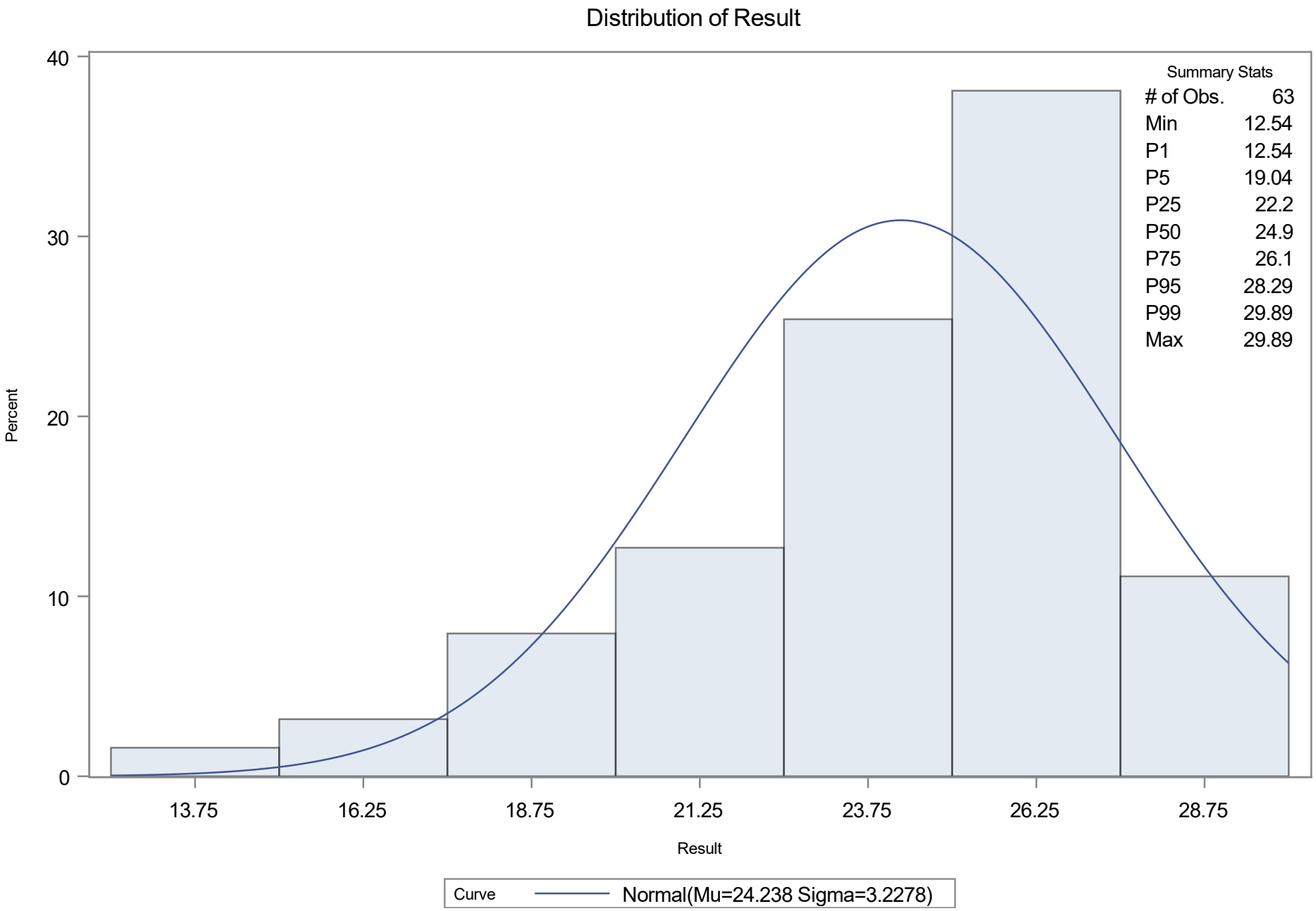
Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.23794
Std Dev	Sigma	3.227846

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15846385	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26182101	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.40938738	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.5400	16.7288
5.0	19.0400	18.9286
10.0	19.6500	20.1013
25.0	22.2000	22.0608
50.0	24.9000	24.2379
75.0	26.1000	26.4151
90.0	27.5000	28.3746
95.0	28.2900	29.5473
99.0	29.8900	31.7470

Period of Record: January 1996 through December 2023
Analysis Days Only

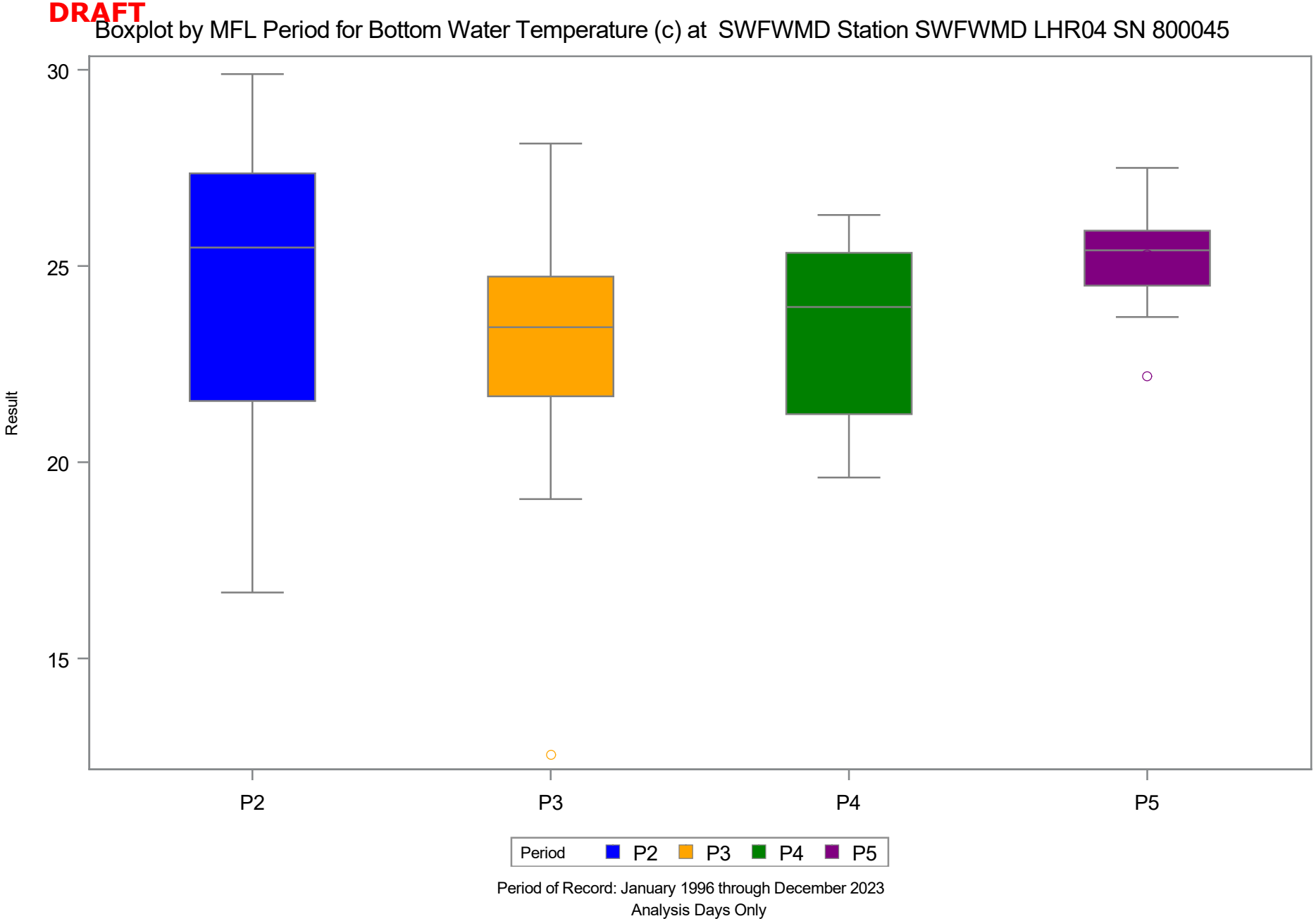
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045

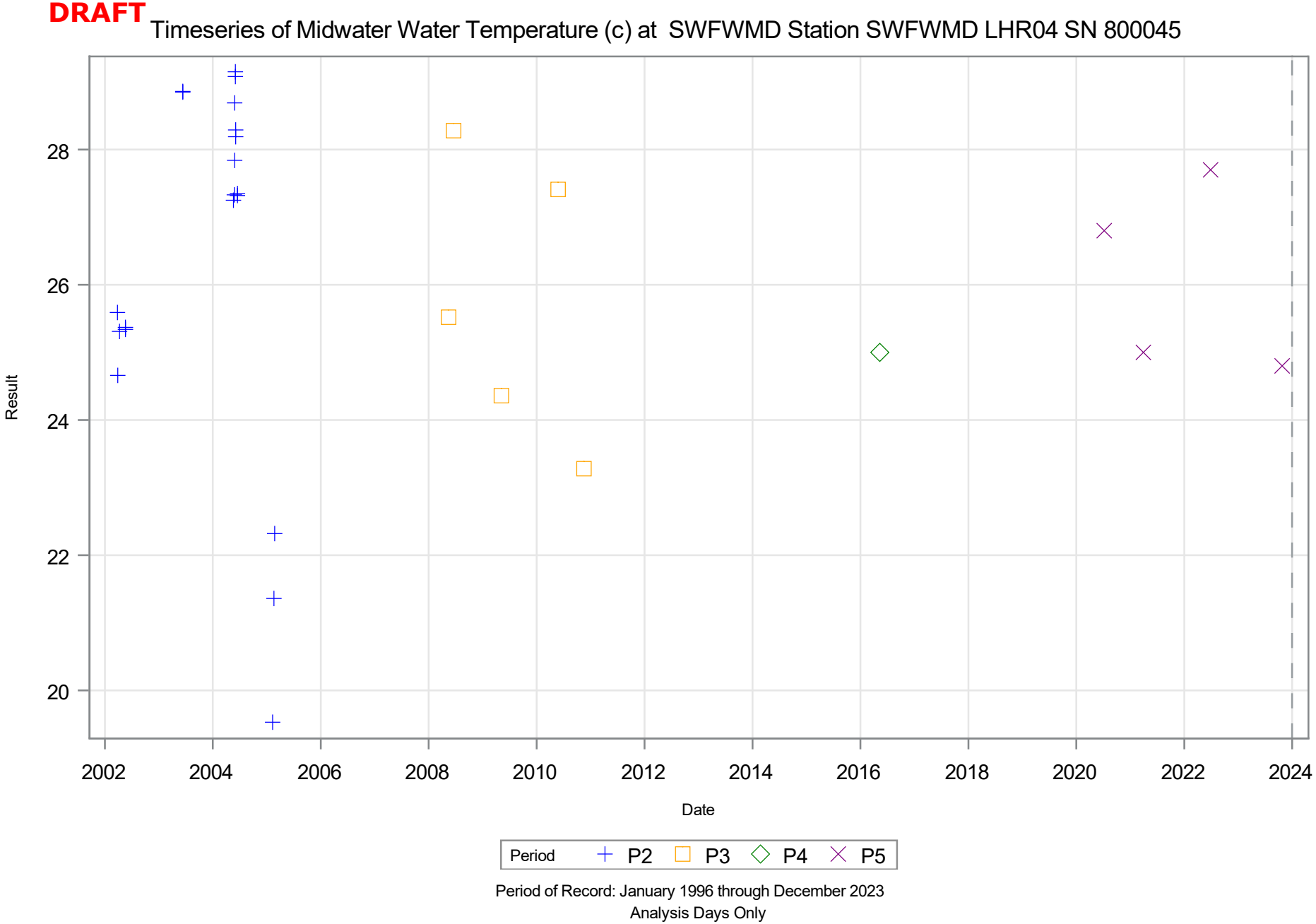
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.68	21.56	24.40	25.47	27.36	29.89
P3	13	12.54	21.68	22.89	23.44	24.73	28.12
P4	8	19.61	21.23	23.37	23.96	25.34	26.30
P5	21	22.20	24.50	25.24	25.40	25.90	27.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

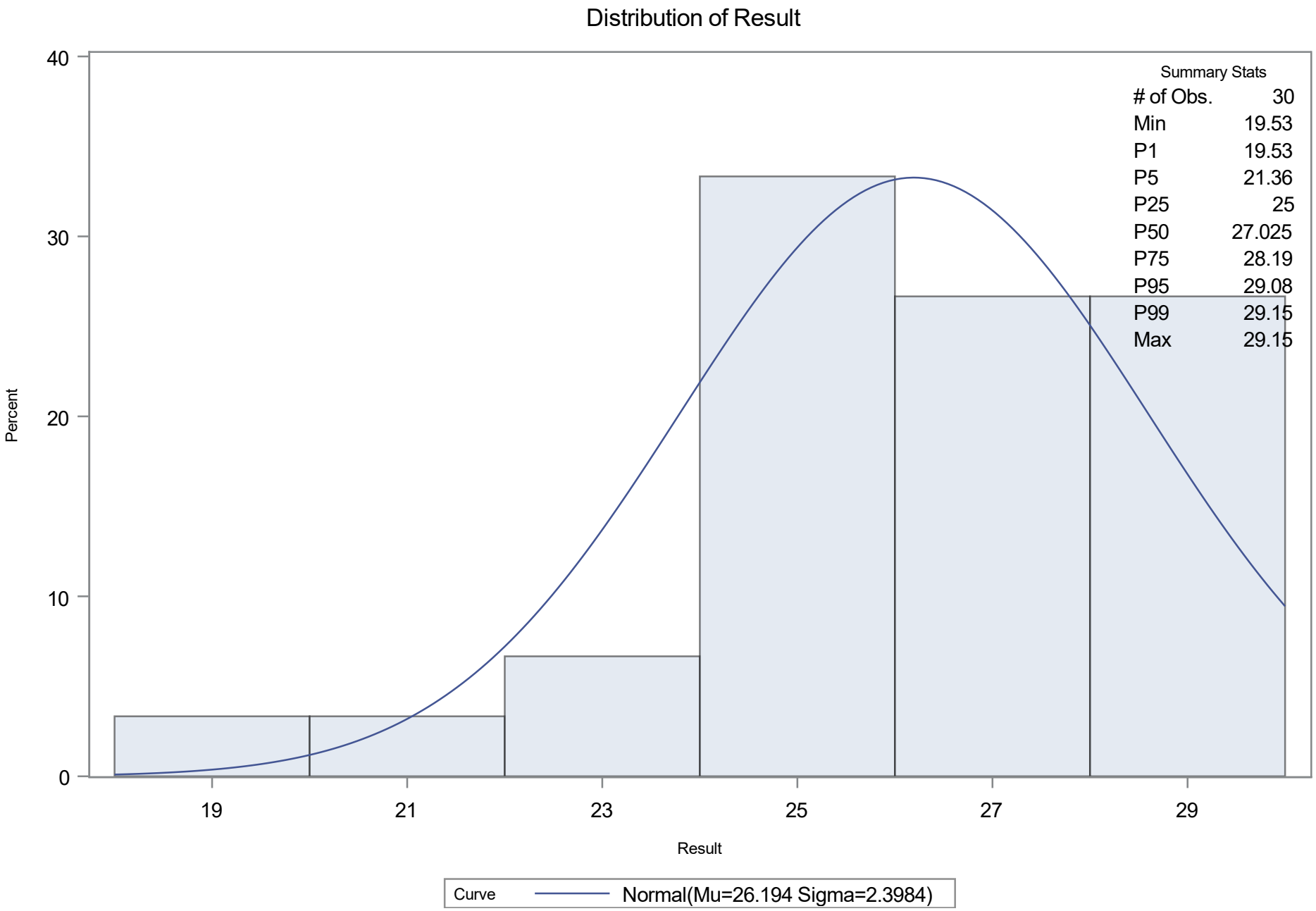

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
28
26
24
22
20
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	26.19433
Std Dev	Sigma	2.398393

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17008790	**Pr > D**	0.025
Cramer-von Mises	**W-Sq**	0.12227375	**Pr > W-Sq**	0.054
Anderson-Darling	**A-Sq**	0.78660799	**Pr > A-Sq**	0.038

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19.5300	20.6148
5.0	21.3600	22.2493
10.0	22.8000	23.1207
25.0	25.0000	24.5766
50.0	27.0250	26.1943
75.0	28.1900	27.8120
90.0	28.8550	29.2680
95.0	29.0800	30.1393
99.0	29.1500	31.7738

Period of Record: January 1996 through December 2023
Analysis Days Only

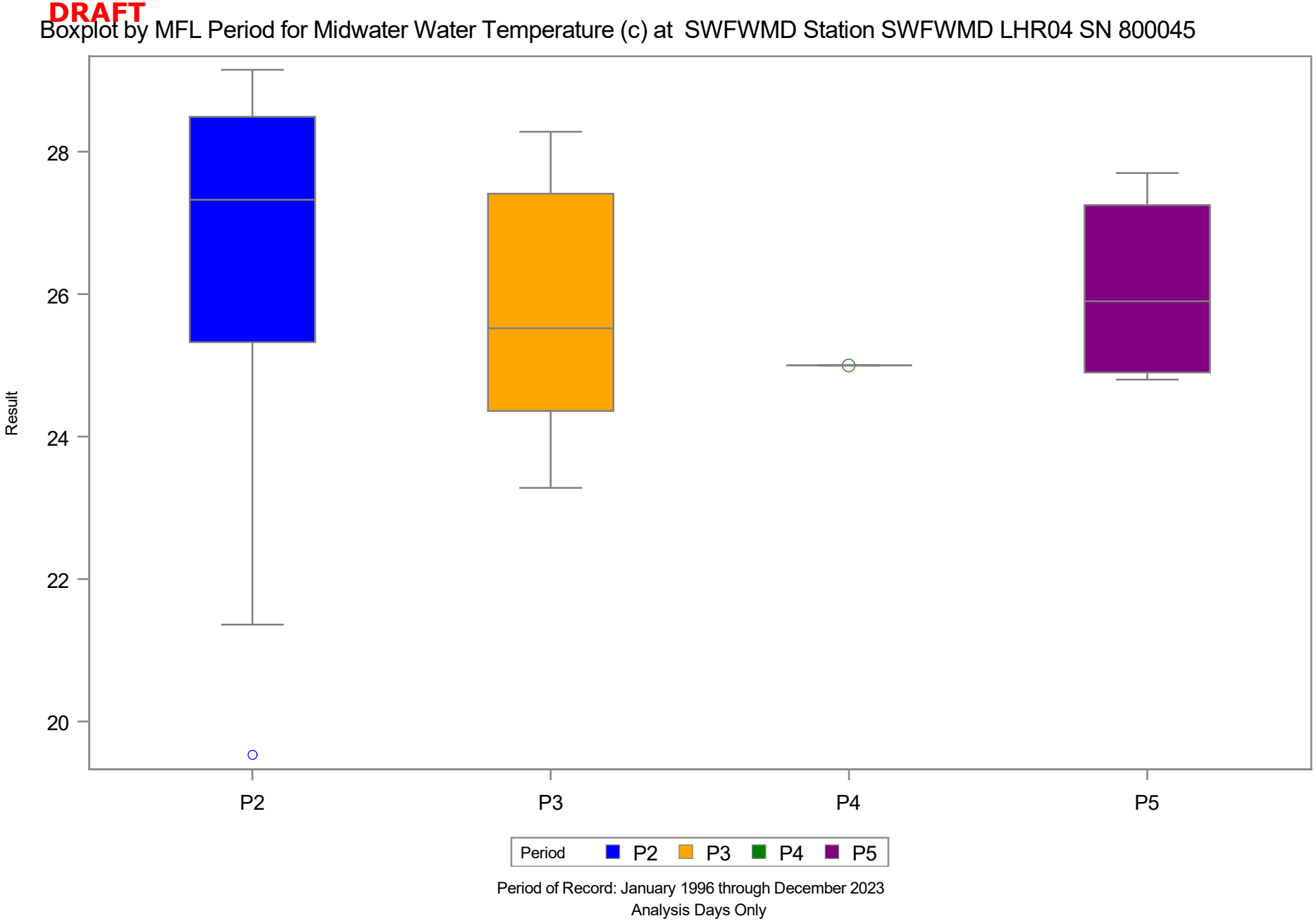
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045

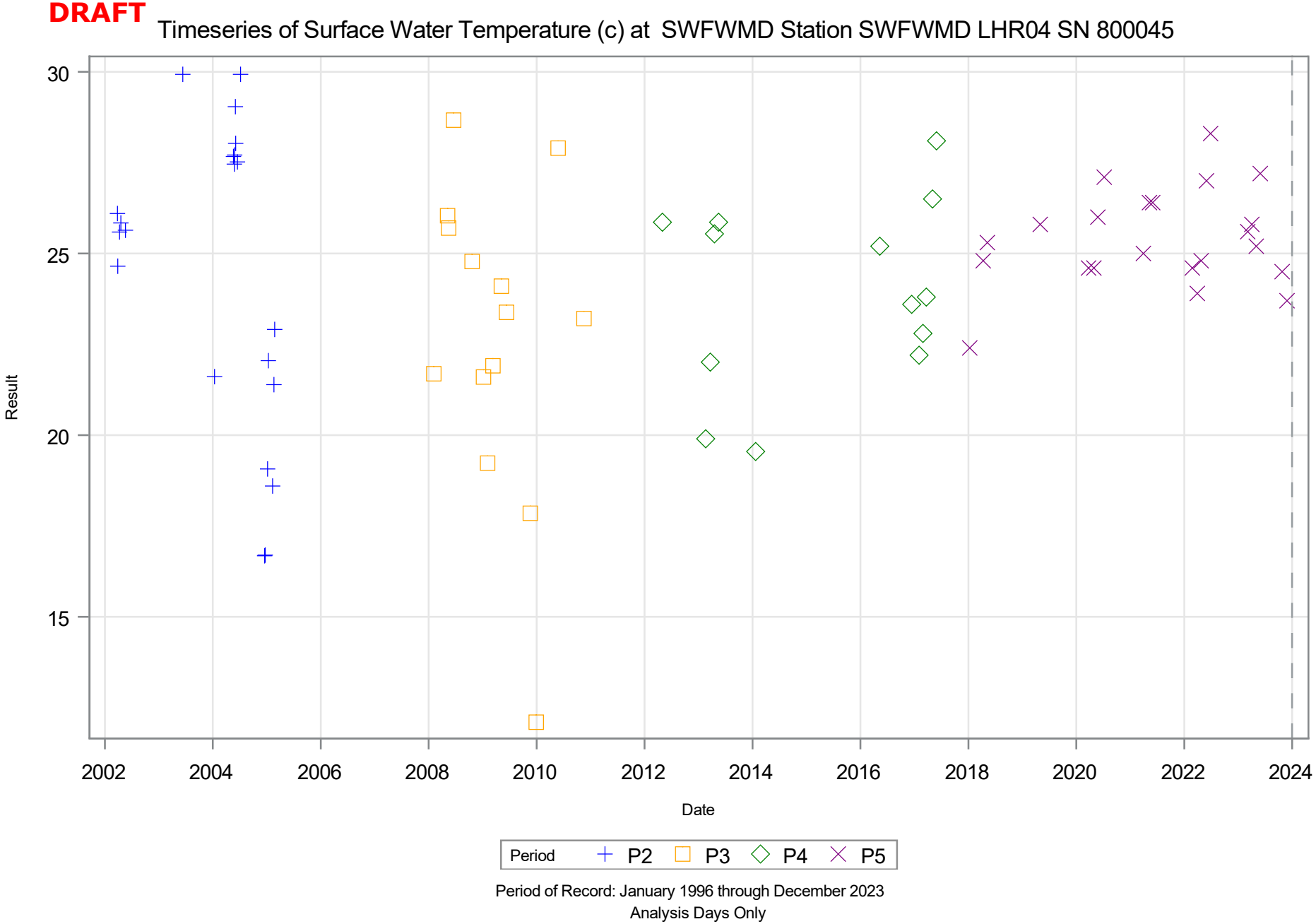
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	20	19.53	25.33	26.38	27.33	28.49	29.15
P3	5	23.28	24.36	25.77	25.52	27.41	28.28
P4	1	25.00	25.00	25.00	25.00	25.00	25.00
P5	4	24.80	24.90	26.08	25.90	27.25	27.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

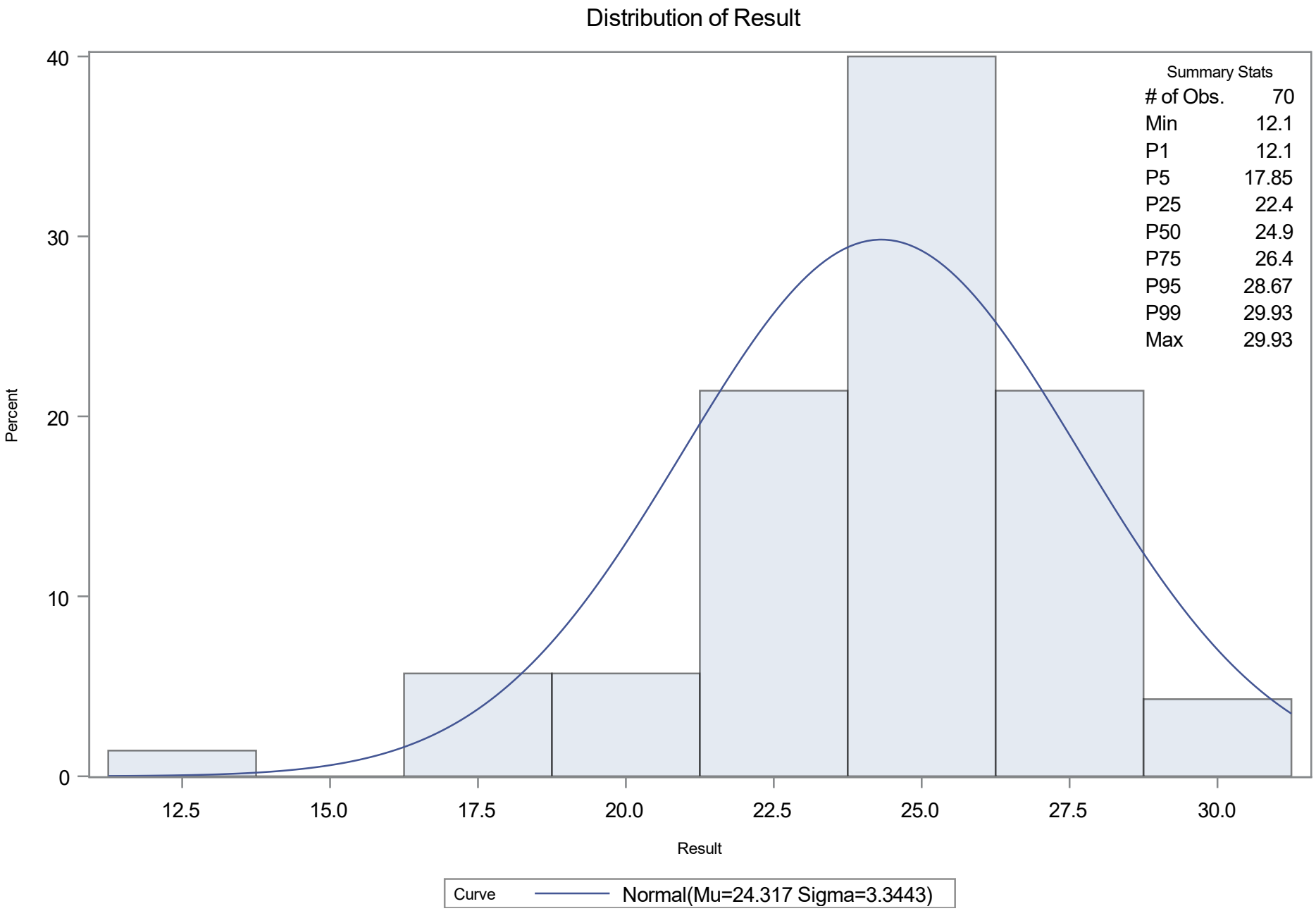

Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
28
26
24
22
20
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.31714
Std Dev	Sigma	3.344268

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13608813	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22690779	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.28229394	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.1000	16.5372
5.0	17.8500	18.8163
10.0	19.3900	20.0313
25.0	22.4000	22.0615
50.0	24.9000	24.3171
75.0	26.4000	26.5728
90.0	27.9650	28.6030
95.0	28.6700	29.8180
99.0	29.9300	32.0971

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

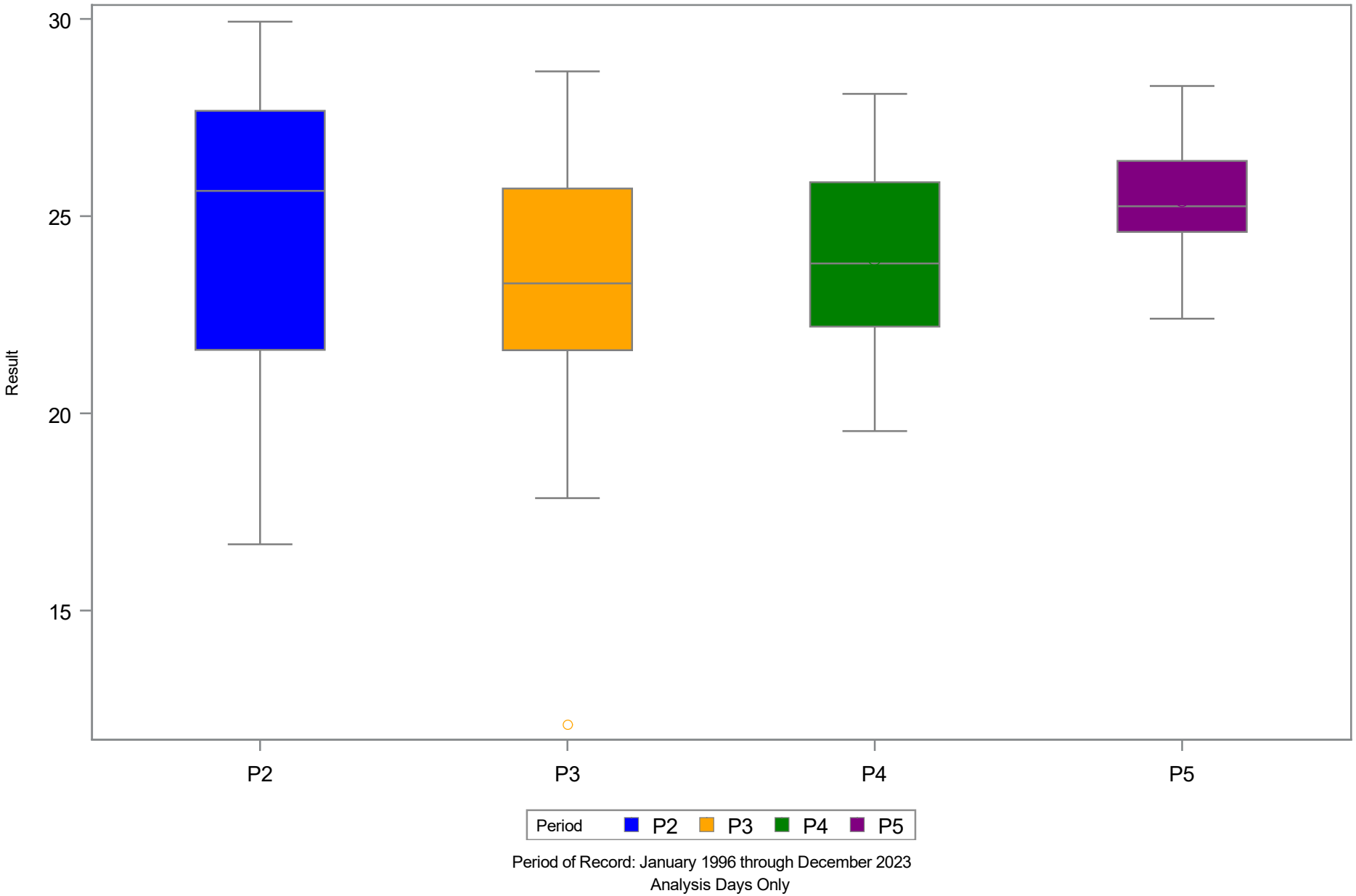
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.68	21.61	24.48	25.64	27.67	29.93
P3	14	12.10	21.60	22.73	23.30	25.70	28.67
P4	13	19.55	22.20	23.92	23.80	25.86	28.10
P5	22	22.40	24.60	25.41	25.25	26.40	28.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

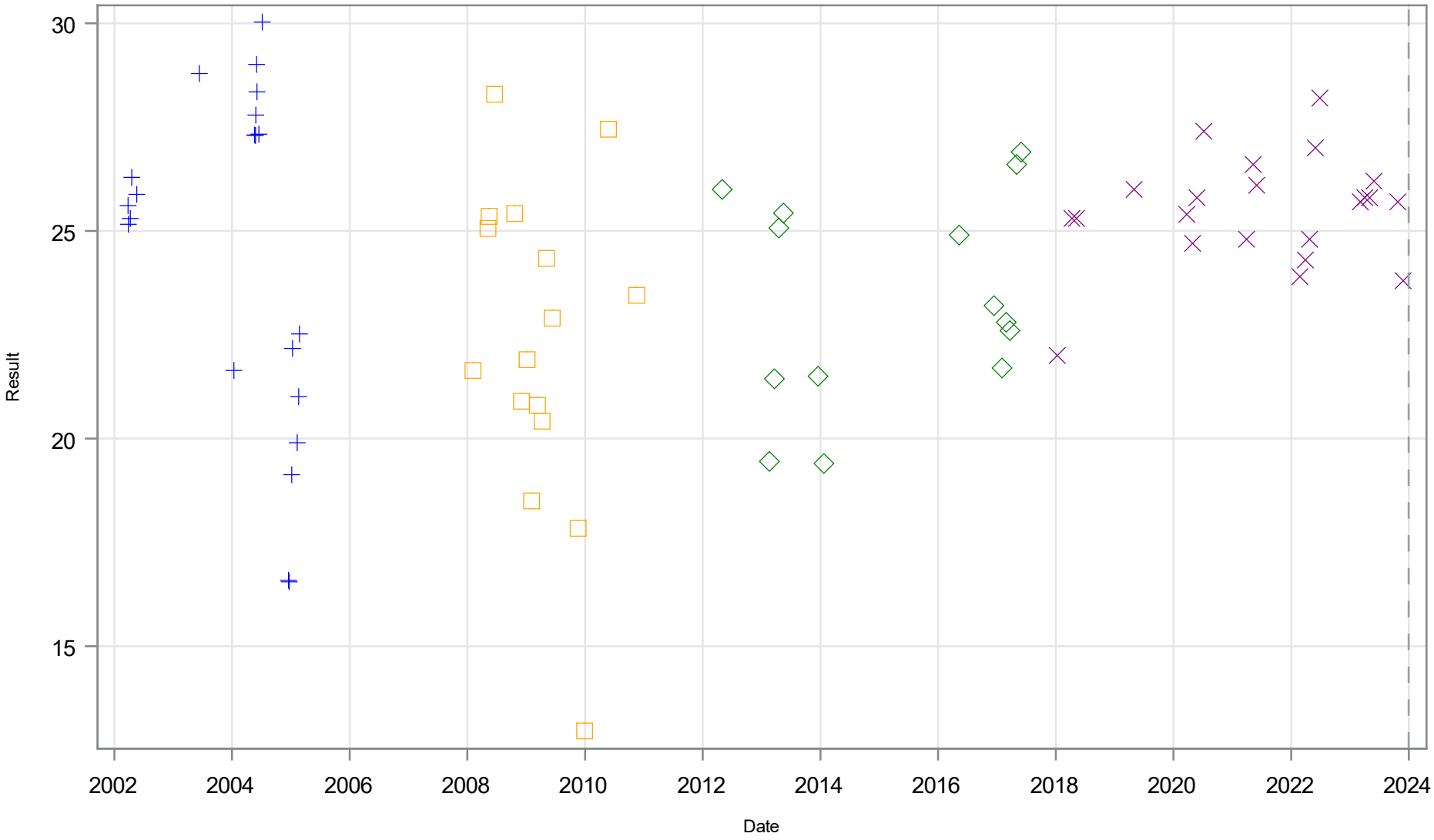
Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR04 SN 800045



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

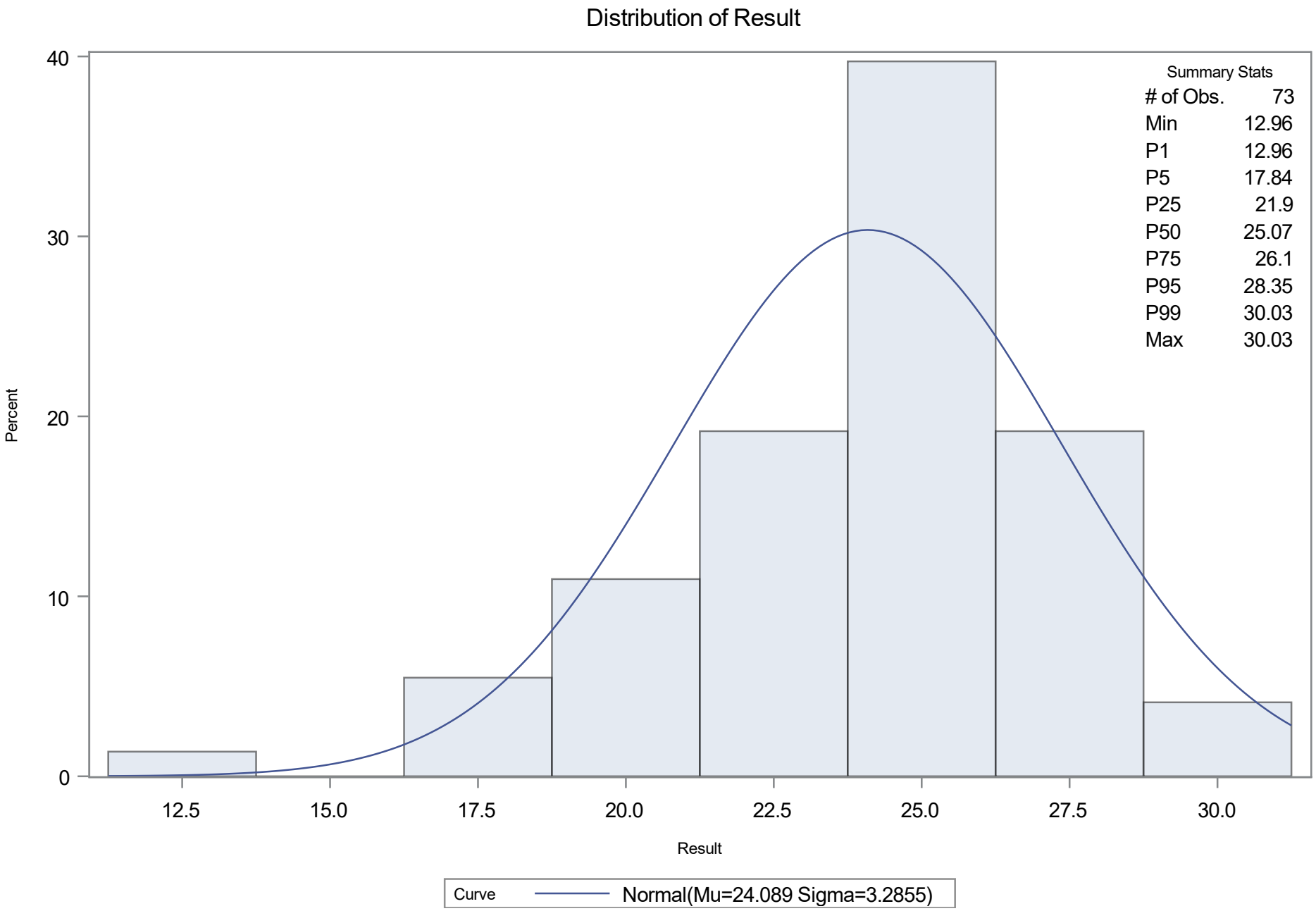
Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.08863
Std Dev	Sigma	3.285474

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14915252	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24891474	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.30041965	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.9600	16.4455
5.0	17.8400	18.6845
10.0	19.4500	19.8781
25.0	21.9000	21.8726
50.0	25.0700	24.0886
75.0	26.1000	26.3046
90.0	27.4500	28.2991
95.0	28.3500	29.4928
99.0	30.0300	31.7318

Period of Record: January 1996 through December 2023
Analysis Days Only

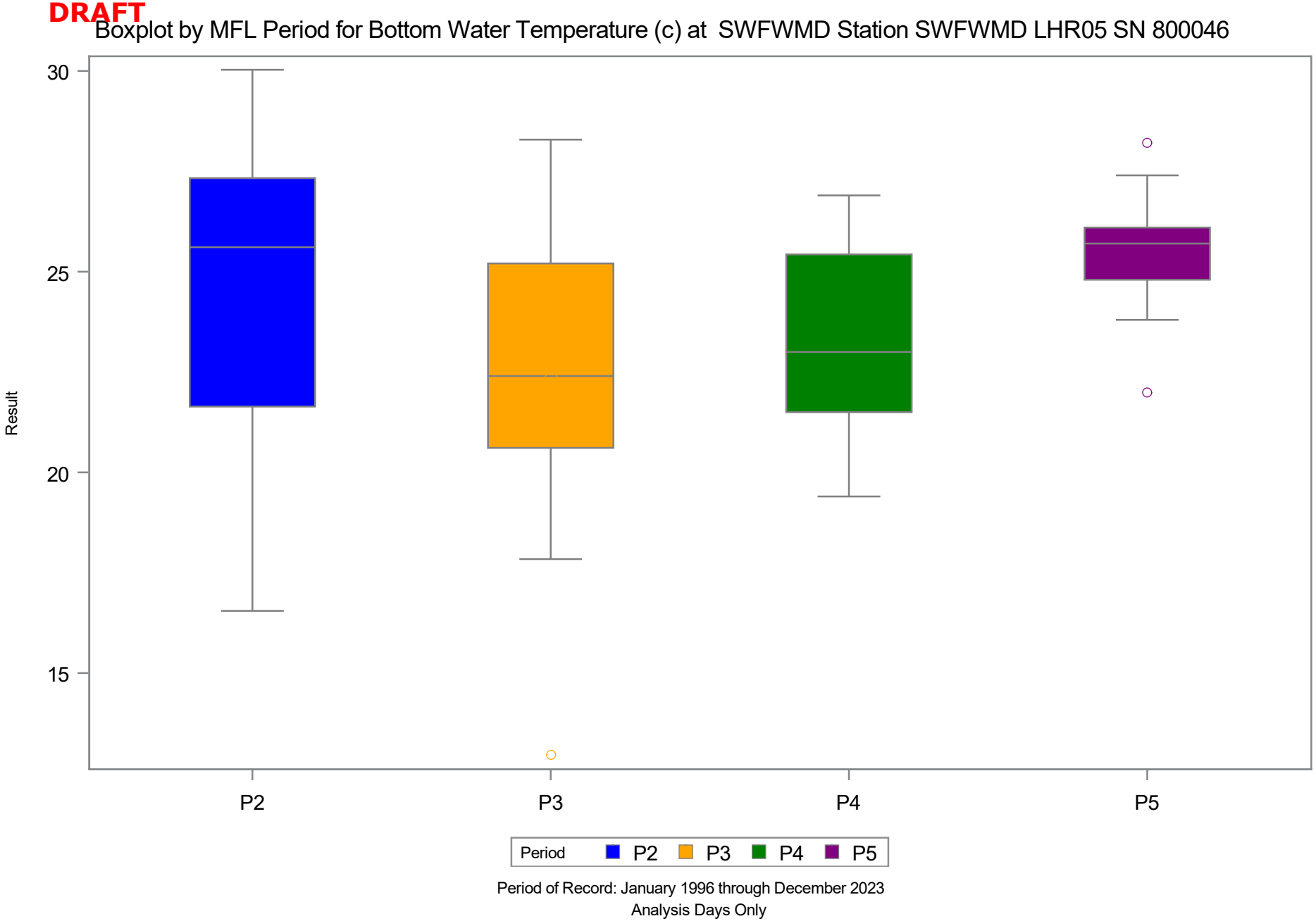
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046

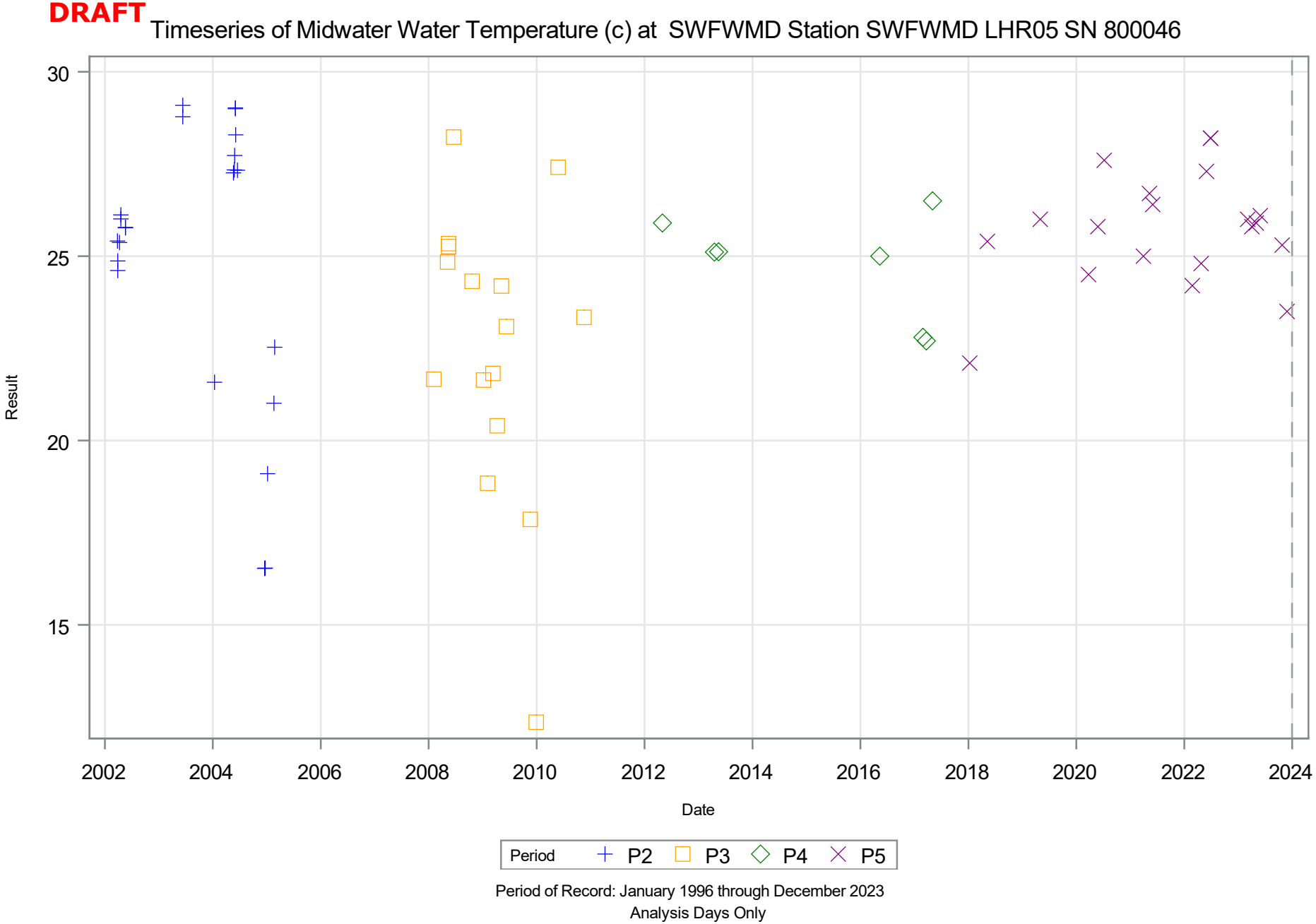
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.55	21.64	24.46	25.61	27.33	30.03
P3	16	12.96	20.61	22.33	22.40	25.21	28.29
P4	14	19.40	21.50	23.36	23.00	25.43	26.90
P5	22	22.00	24.80	25.48	25.70	26.10	28.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

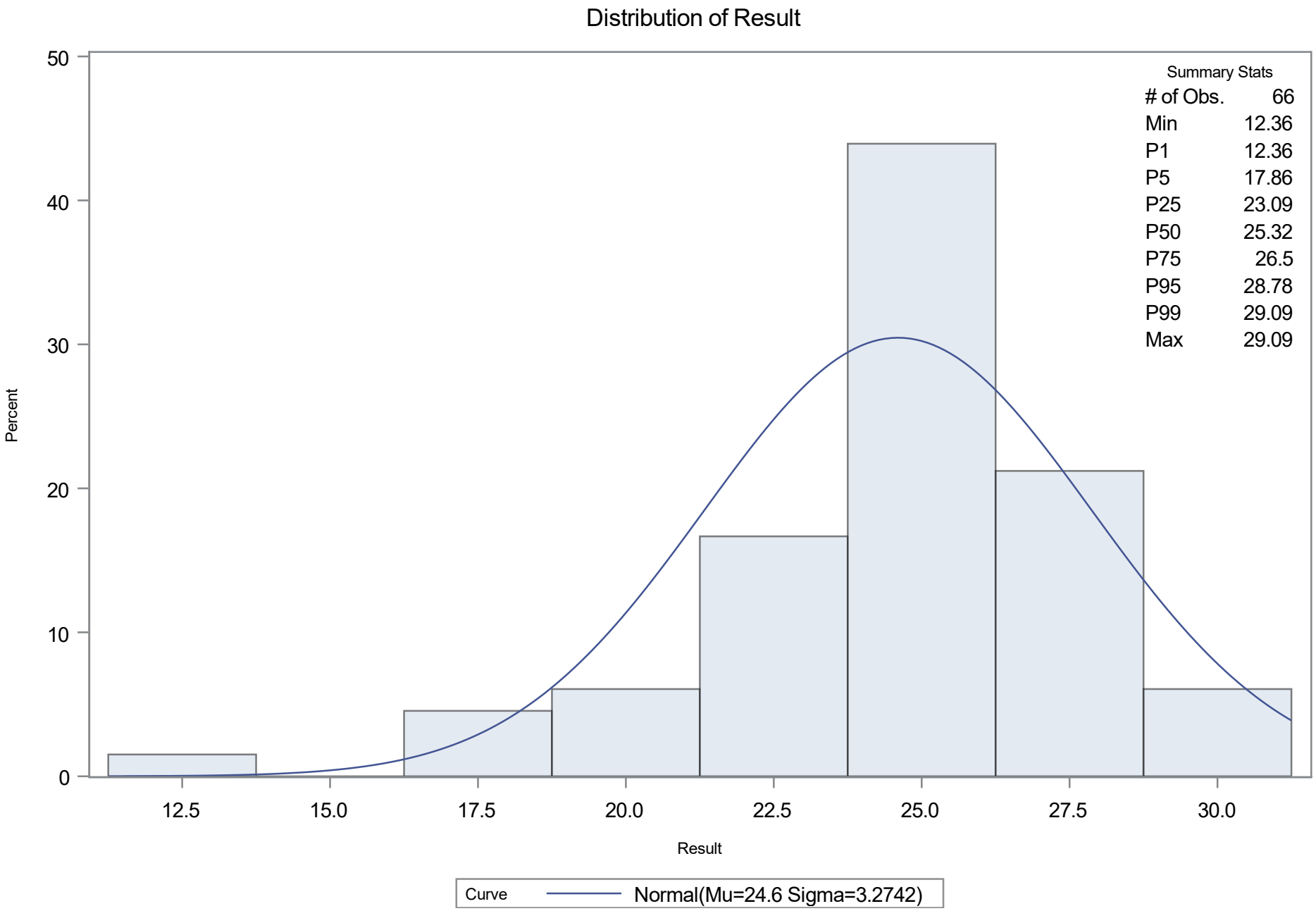

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.6
Std Dev	Sigma	3.27418

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16229504	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.34719156	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.95372893	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.3600	16.9831
5.0	17.8600	19.2145
10.0	20.4000	20.4040
25.0	23.0900	22.3916
50.0	25.3200	24.6000
75.0	26.5000	26.8084
90.0	28.2000	28.7960
95.0	28.7800	29.9855
99.0	29.0900	32.2169

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

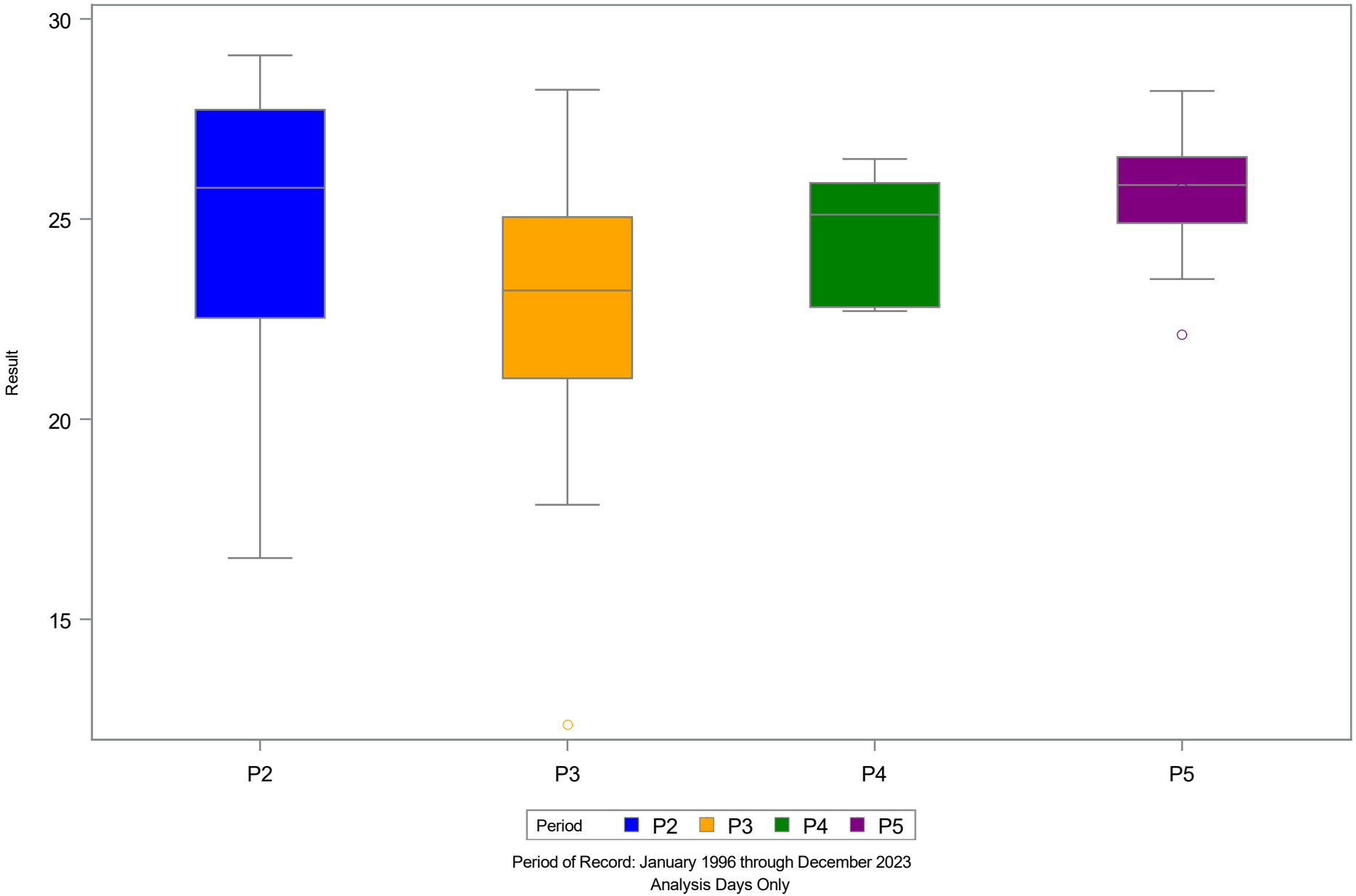
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	23	16.53	22.53	25.00	25.78	27.73	29.09
P3	16	12.36	21.02	22.54	23.22	25.05	28.23
P4	7	22.70	22.80	24.73	25.11	25.90	26.50
P5	20	22.10	24.90	25.74	25.85	26.55	28.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

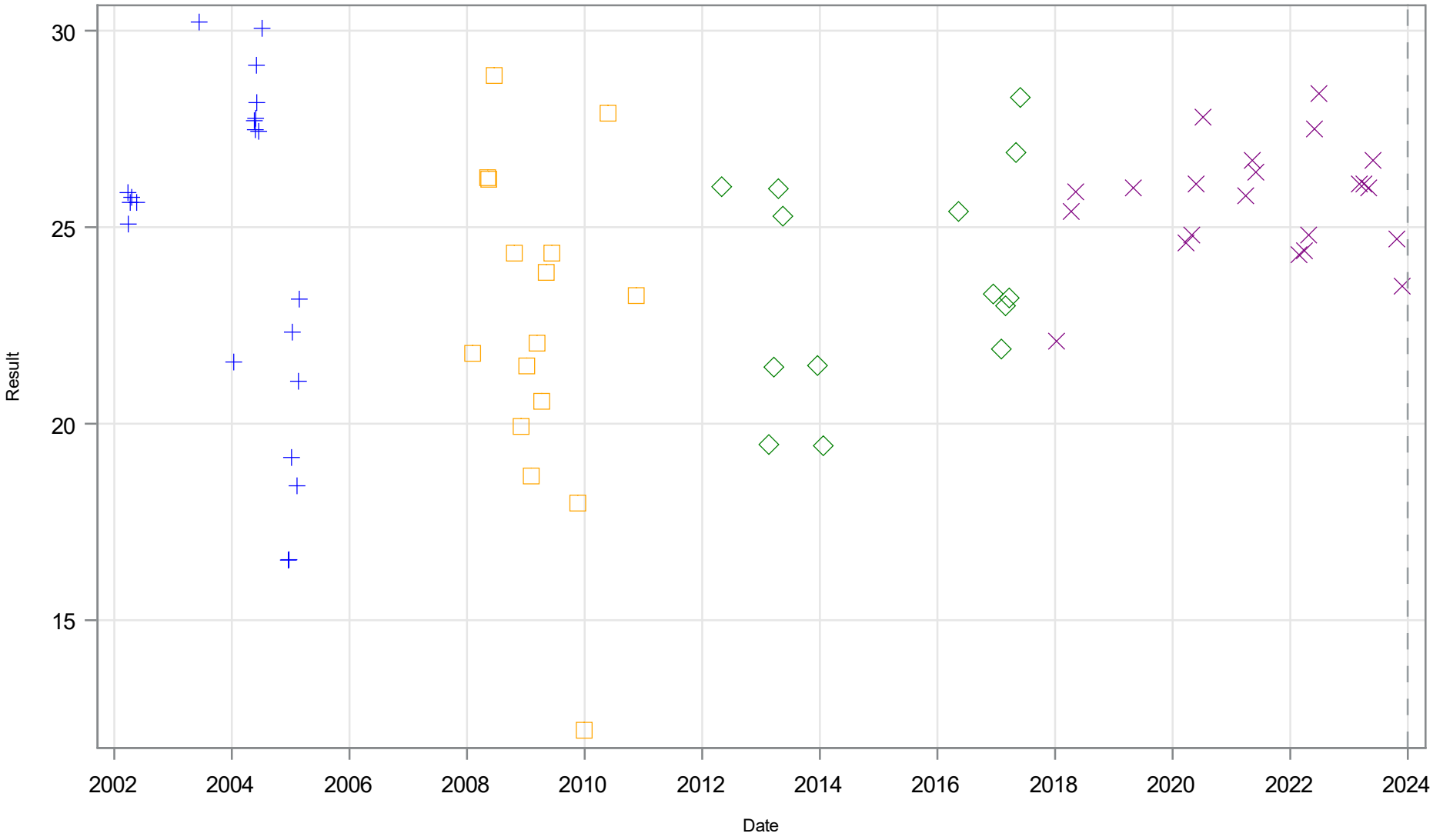
Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

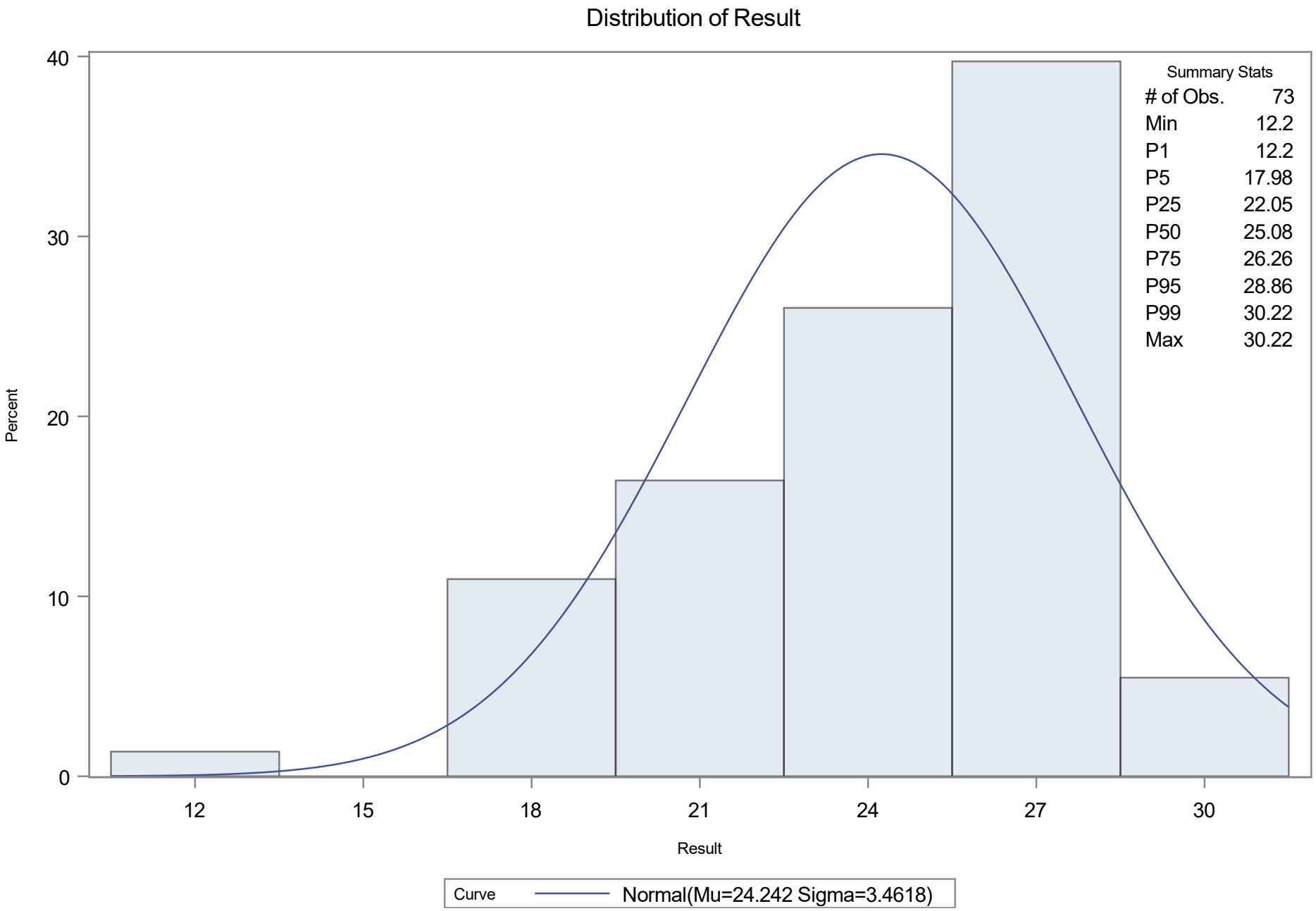
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.24164
Std Dev	Sigma	3.461786

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12316310	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21367872	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.16602345	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.2000	16.1883
5.0	17.9800	18.5475
10.0	19.4400	19.8052
25.0	22.0500	21.9067
50.0	25.0800	24.2416
75.0	26.2600	26.5766
90.0	27.9000	28.6781
95.0	28.8600	29.9358
99.0	30.2200	32.2950

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

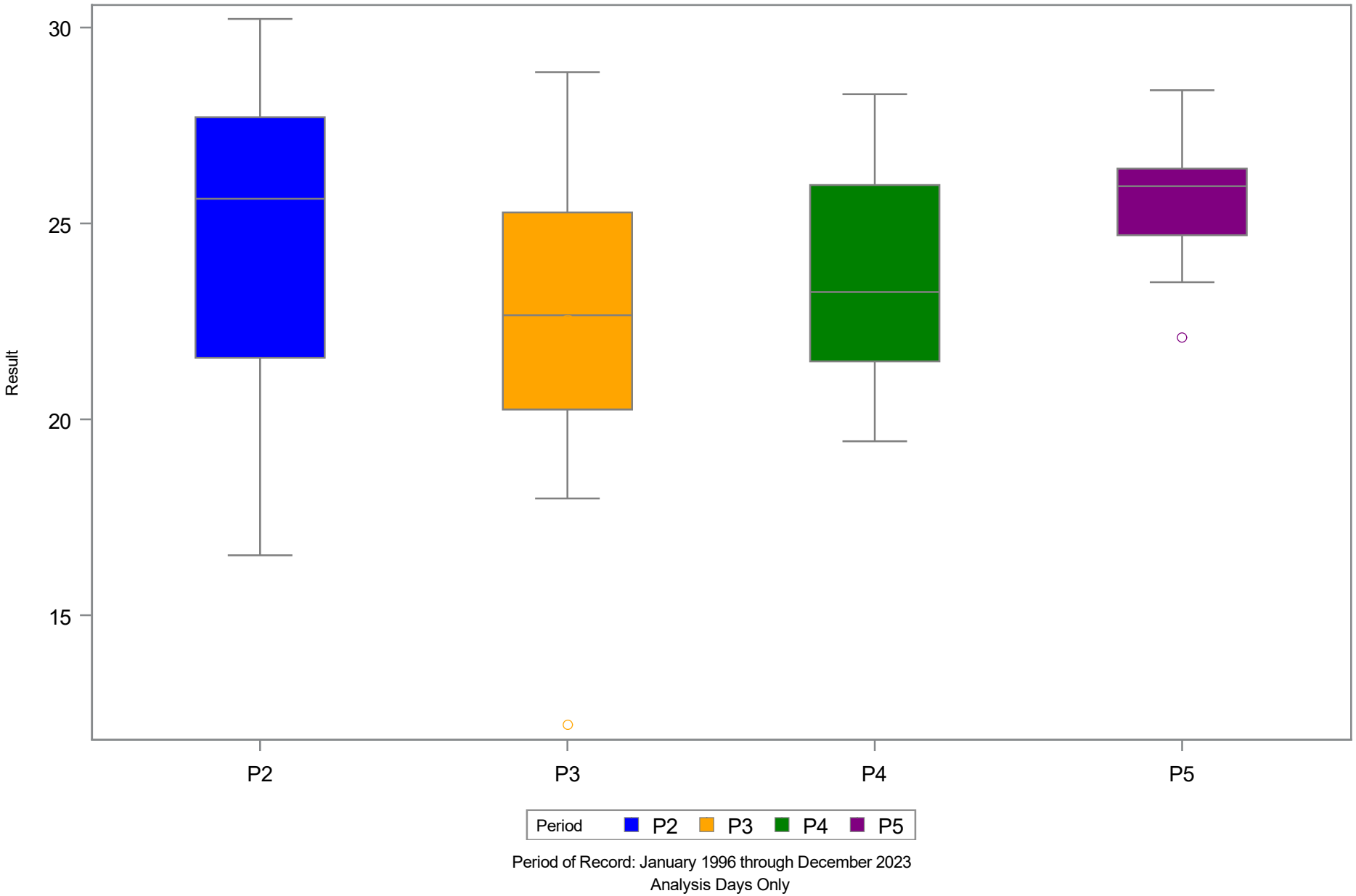
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.53	21.57	24.51	25.63	27.71	30.22
P3	16	12.20	20.25	22.48	22.66	25.28	28.86
P4	14	19.44	21.48	23.65	23.25	25.98	28.30
P5	22	22.10	24.70	25.64	25.95	26.40	28.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

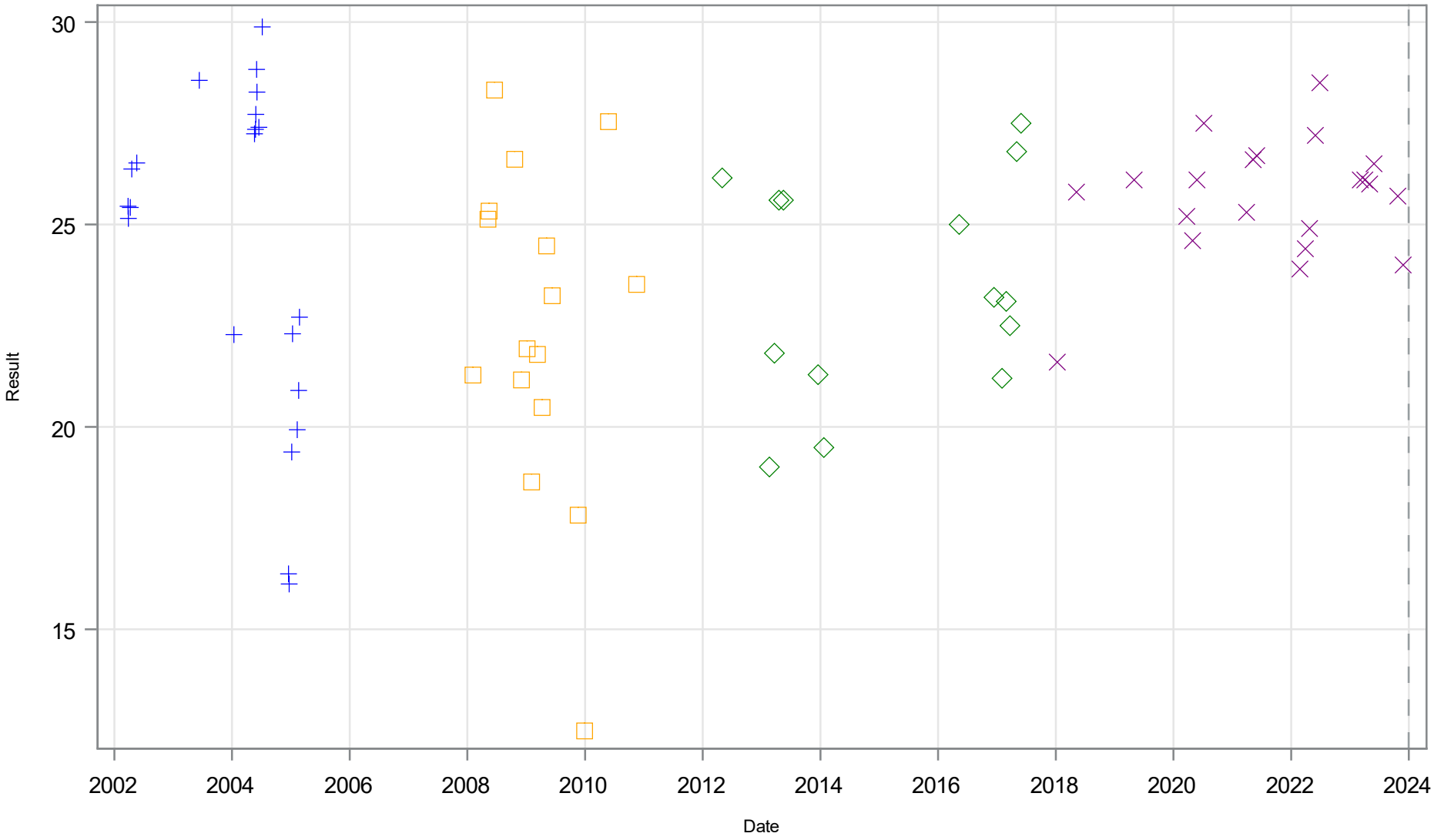
Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR05 SN 800046



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

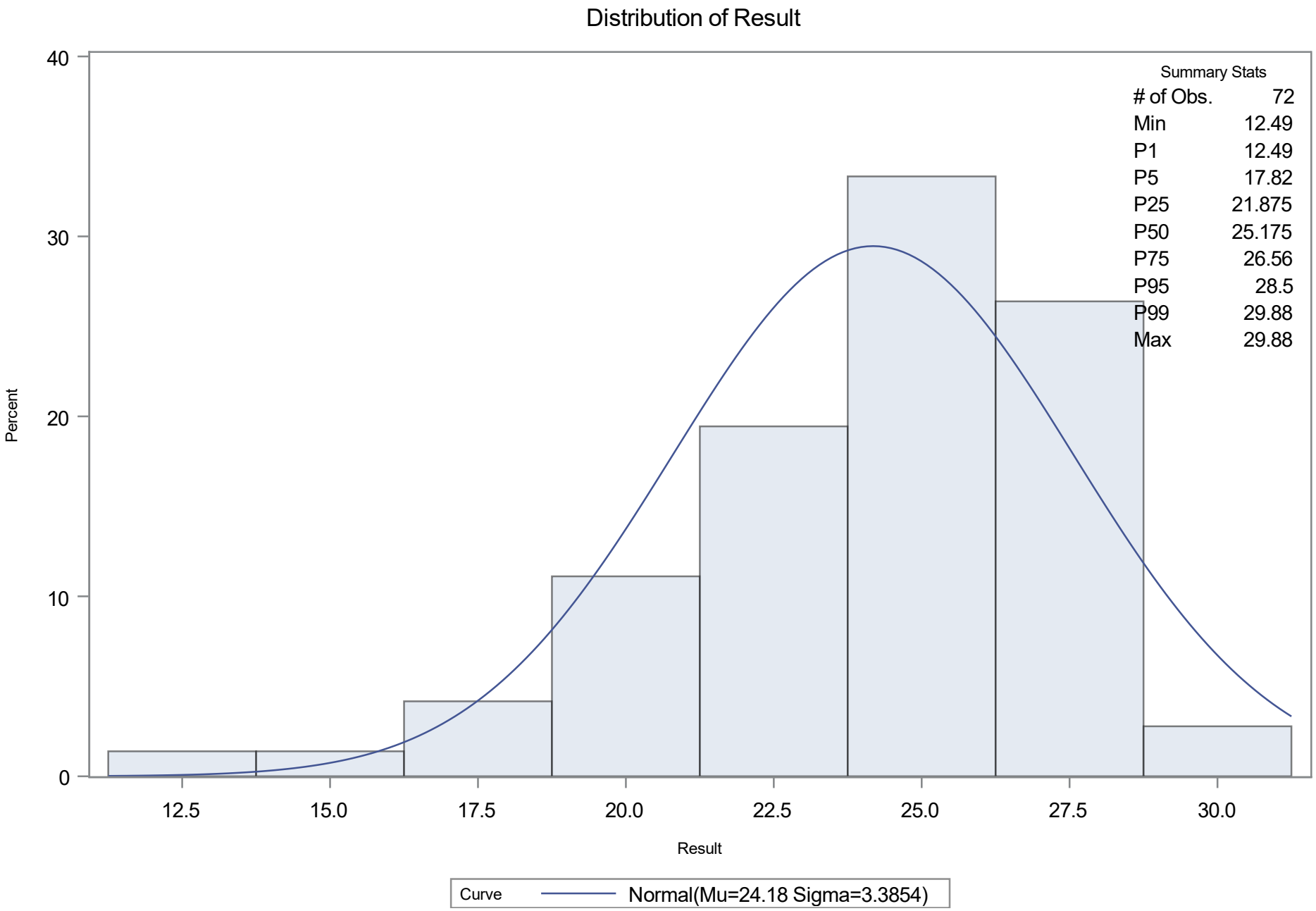
Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.18
Std Dev	Sigma	3.385393

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13976666	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24905773	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.39205150	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.4900	16.3044
5.0	17.8200	18.6115
10.0	19.4900	19.8414
25.0	21.8750	21.8966
50.0	25.1750	24.1800
75.0	26.5600	26.4634
90.0	27.5400	28.5186
95.0	28.5000	29.7485
99.0	29.8800	32.0556

Period of Record: January 1996 through December 2023
Analysis Days Only

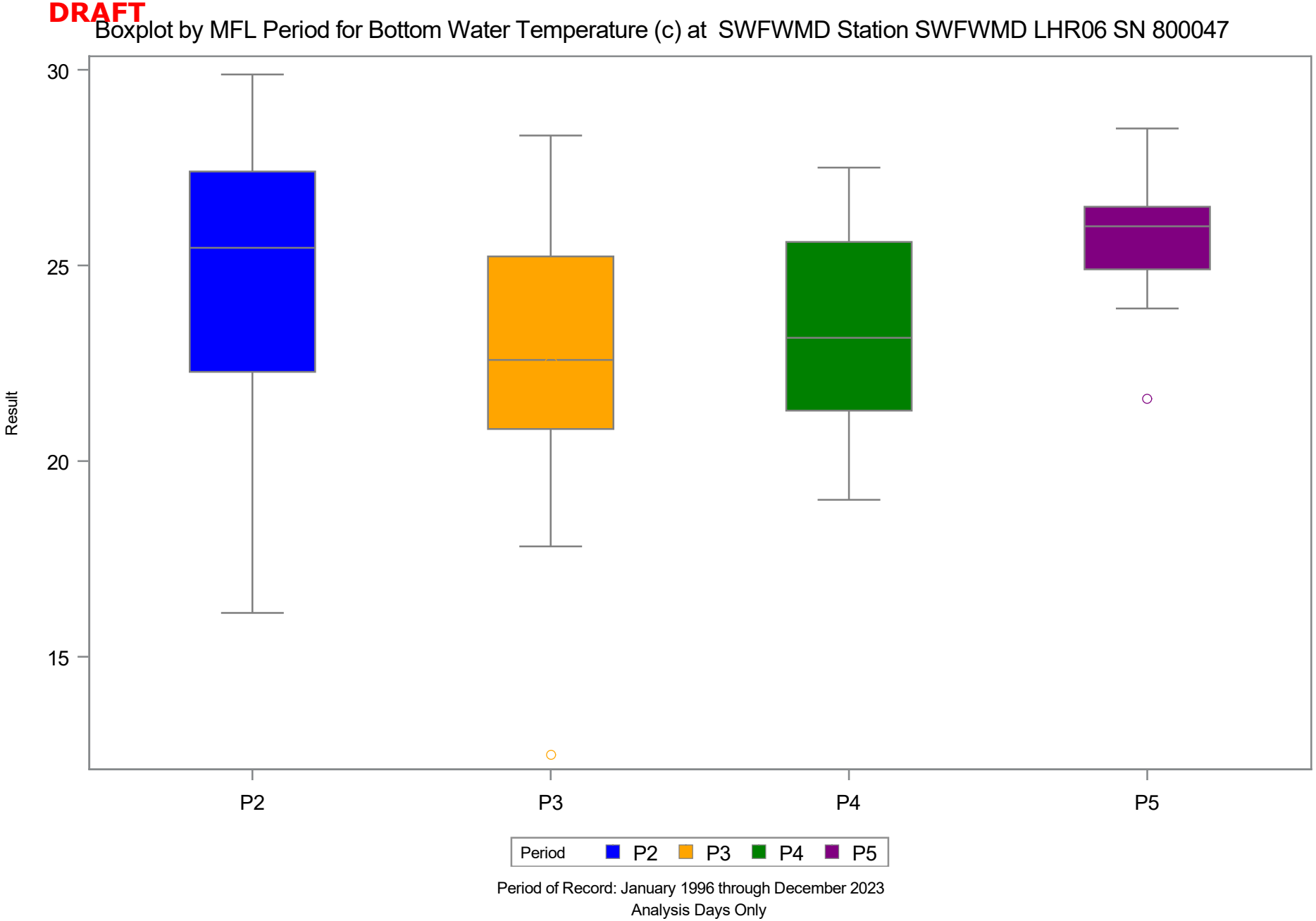
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.12	22.28	24.48	25.45	27.40	29.88
P3	16	12.49	20.82	22.48	22.59	25.23	28.32
P4	14	19.01	21.29	23.45	23.15	25.60	27.50
P5	21	21.60	24.90	25.66	26.00	26.50	28.50

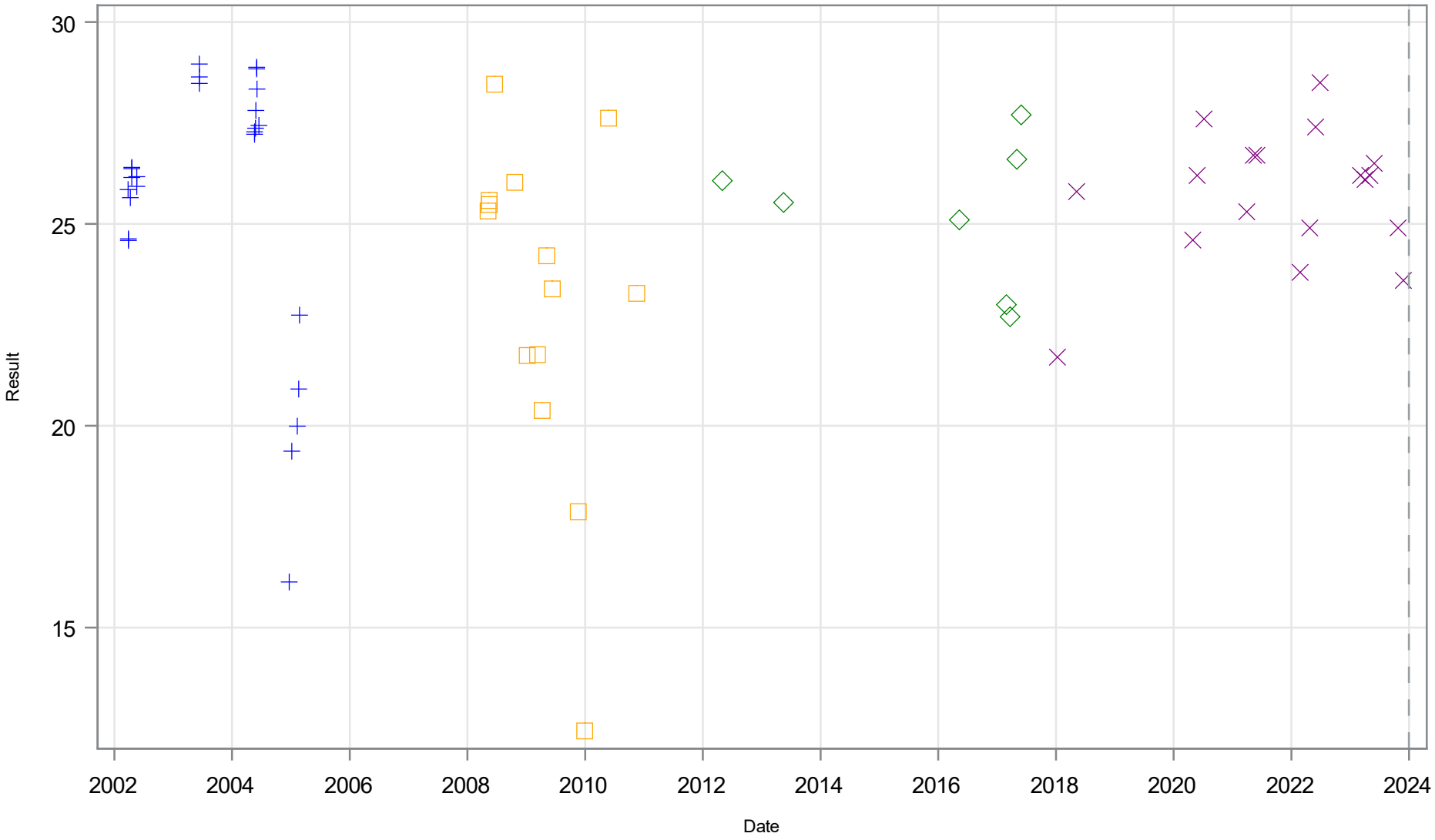
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

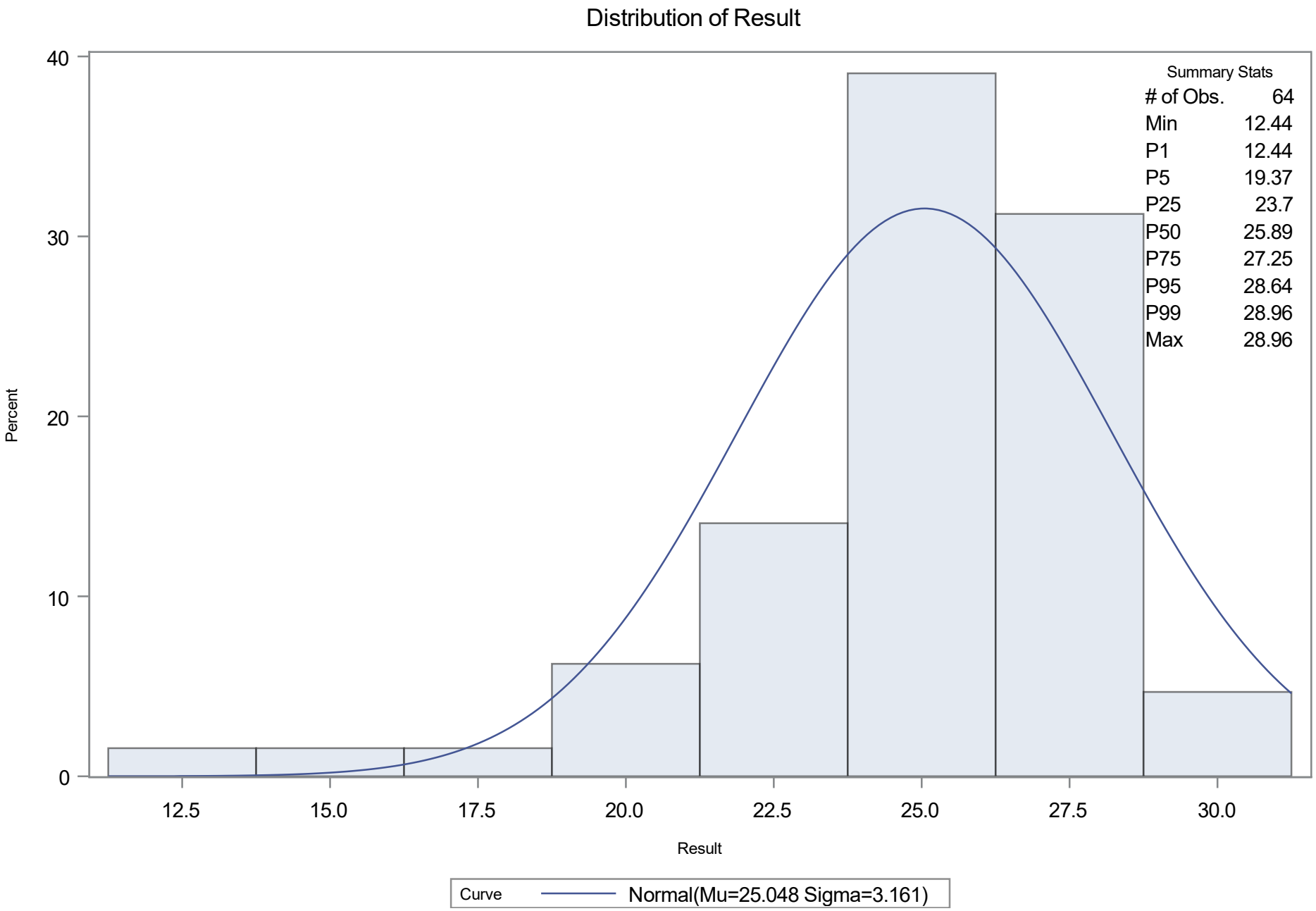
Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.04844
Std Dev	Sigma	3.161022

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16109428	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.39640709	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.24571401	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.4400	17.6948
5.0	19.3700	19.8490
10.0	20.9100	20.9974
25.0	23.7000	22.9164
50.0	25.8900	25.0484
75.0	27.2500	27.1805
90.0	28.4600	29.0995
95.0	28.6400	30.2479
99.0	28.9600	32.4021

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

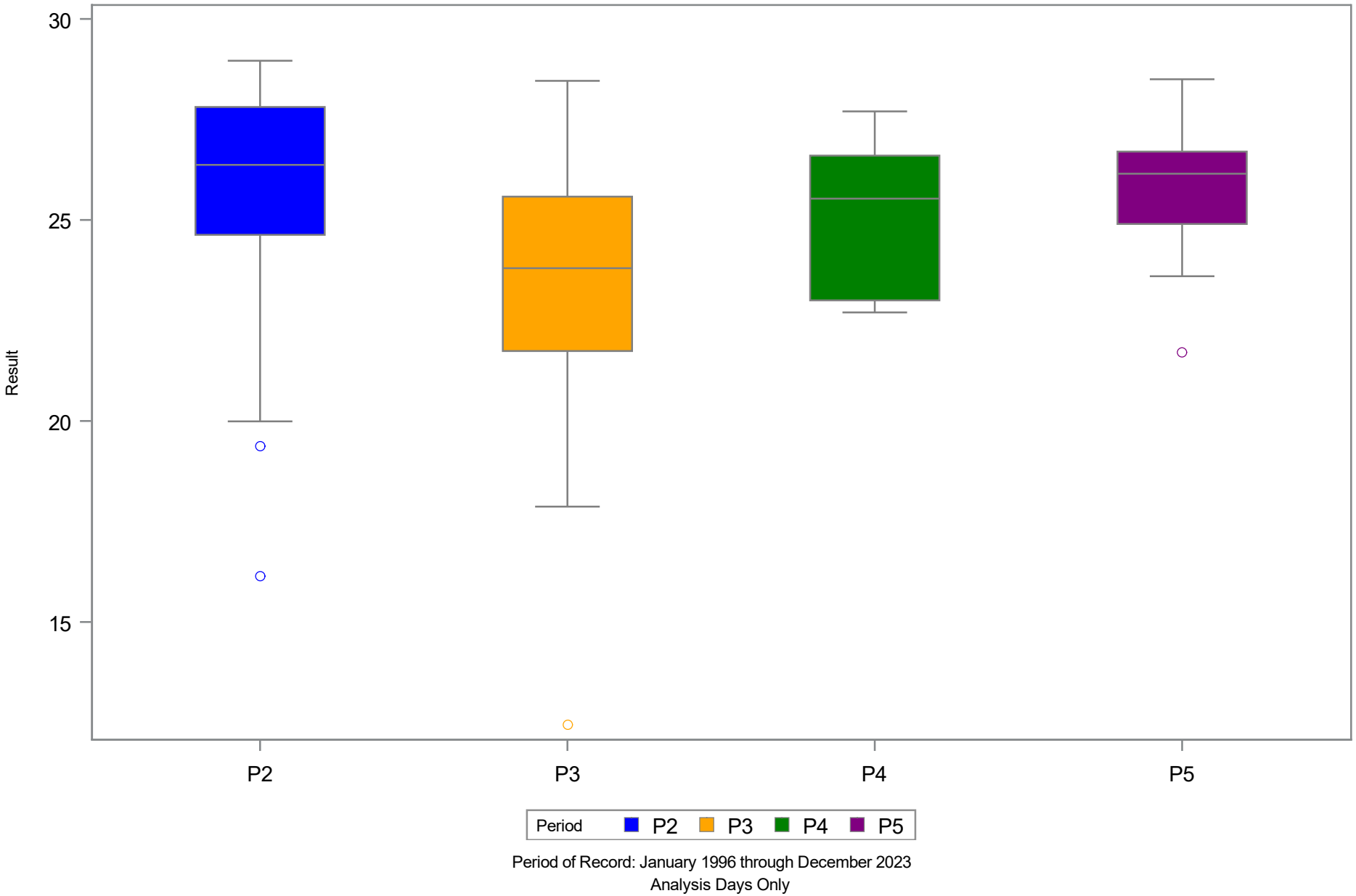
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	16.13	24.63	25.61	26.37	27.81	28.96
P3	14	12.44	21.74	23.11	23.80	25.58	28.46
P4	7	22.70	23.00	25.24	25.53	26.60	27.70
P5	18	21.70	24.90	25.71	26.15	26.70	28.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

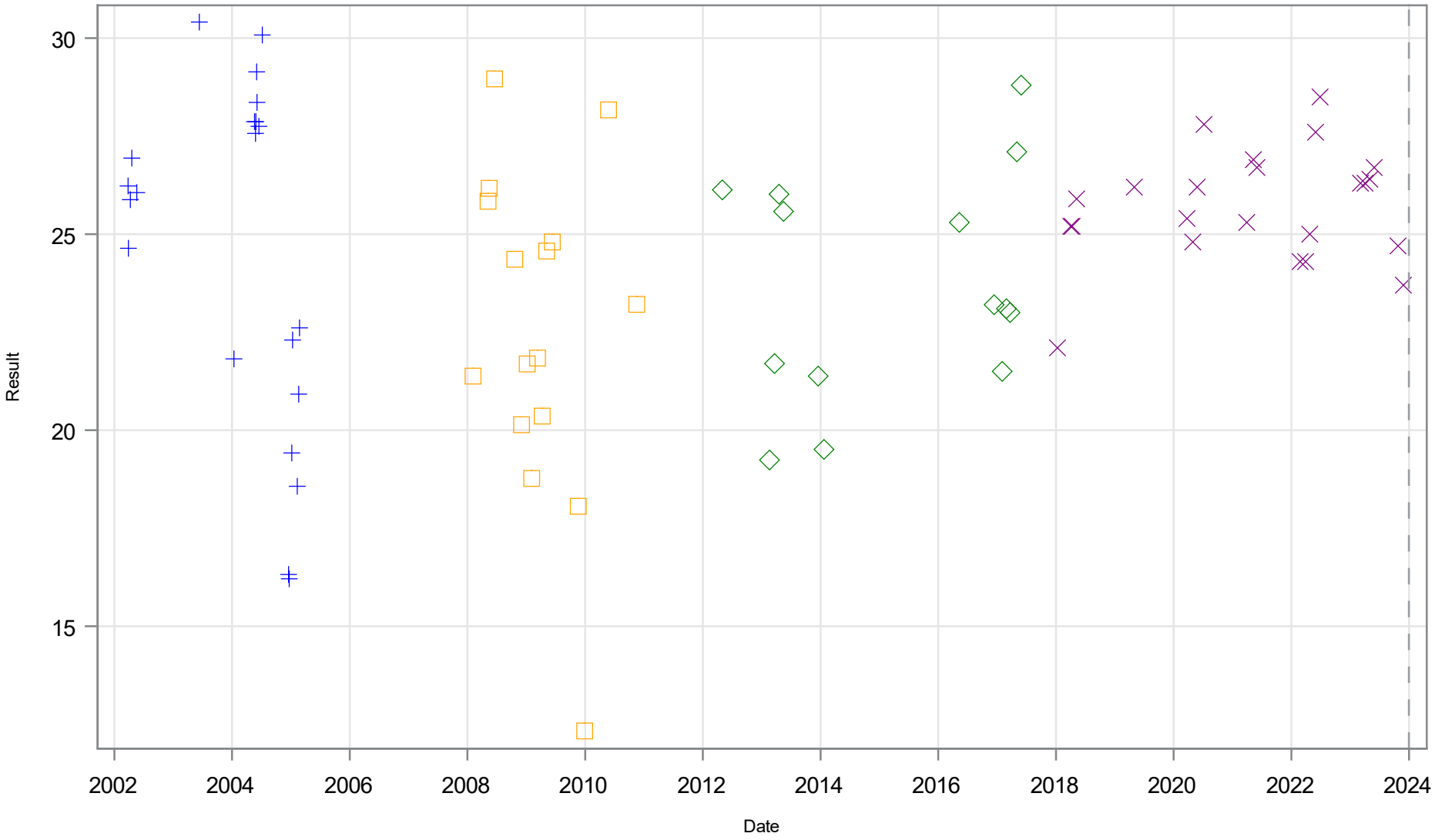
Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

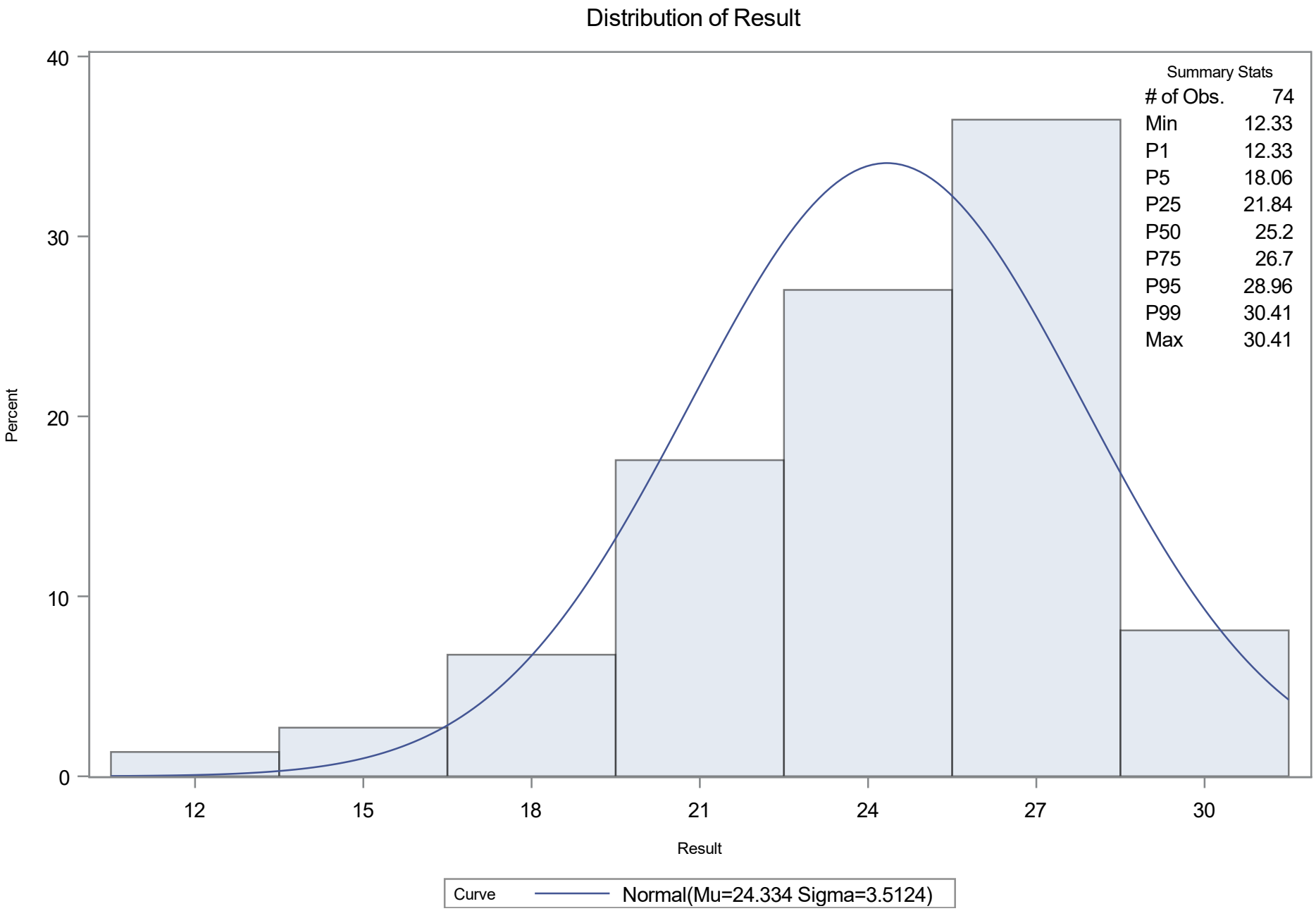
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.33351
Std Dev	Sigma	3.512379

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13132867	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.21611794	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.16762195	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.3300	16.1625
5.0	18.0600	18.5562
10.0	19.4200	19.8322
25.0	21.8400	21.9645
50.0	25.2000	24.3335
75.0	26.7000	26.7026
90.0	28.1700	28.8348
95.0	28.9600	30.1109
99.0	30.4100	32.5045

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

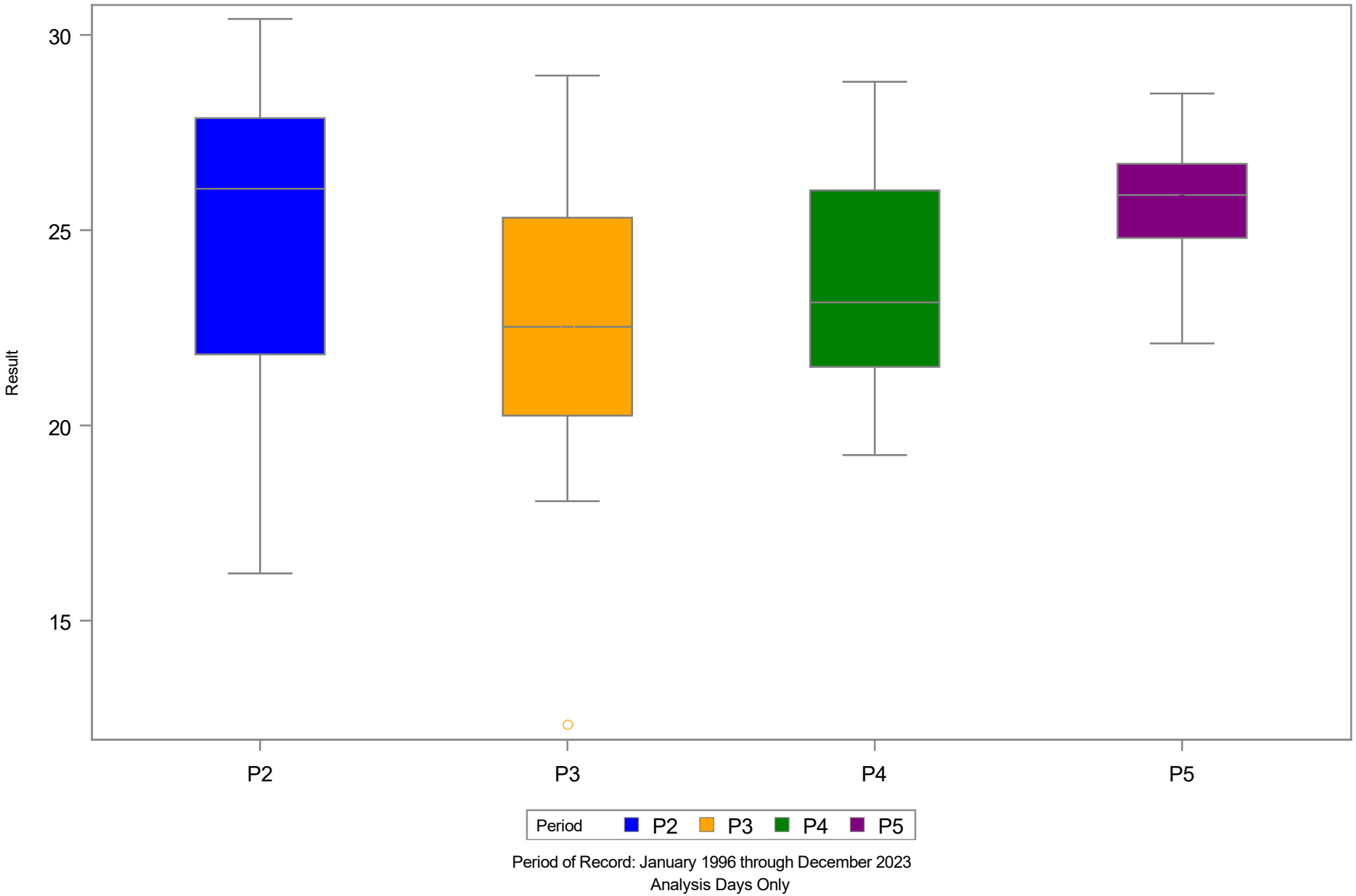
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.21	21.82	24.62	26.06	27.87	30.41
P3	16	12.33	20.25	22.54	22.53	25.32	28.96
P4	14	19.24	21.50	23.68	23.15	26.02	28.80
P5	23	22.10	24.80	25.72	25.90	26.70	28.50

Period of Record: January 1996 through December 2023
Analysis Days Only

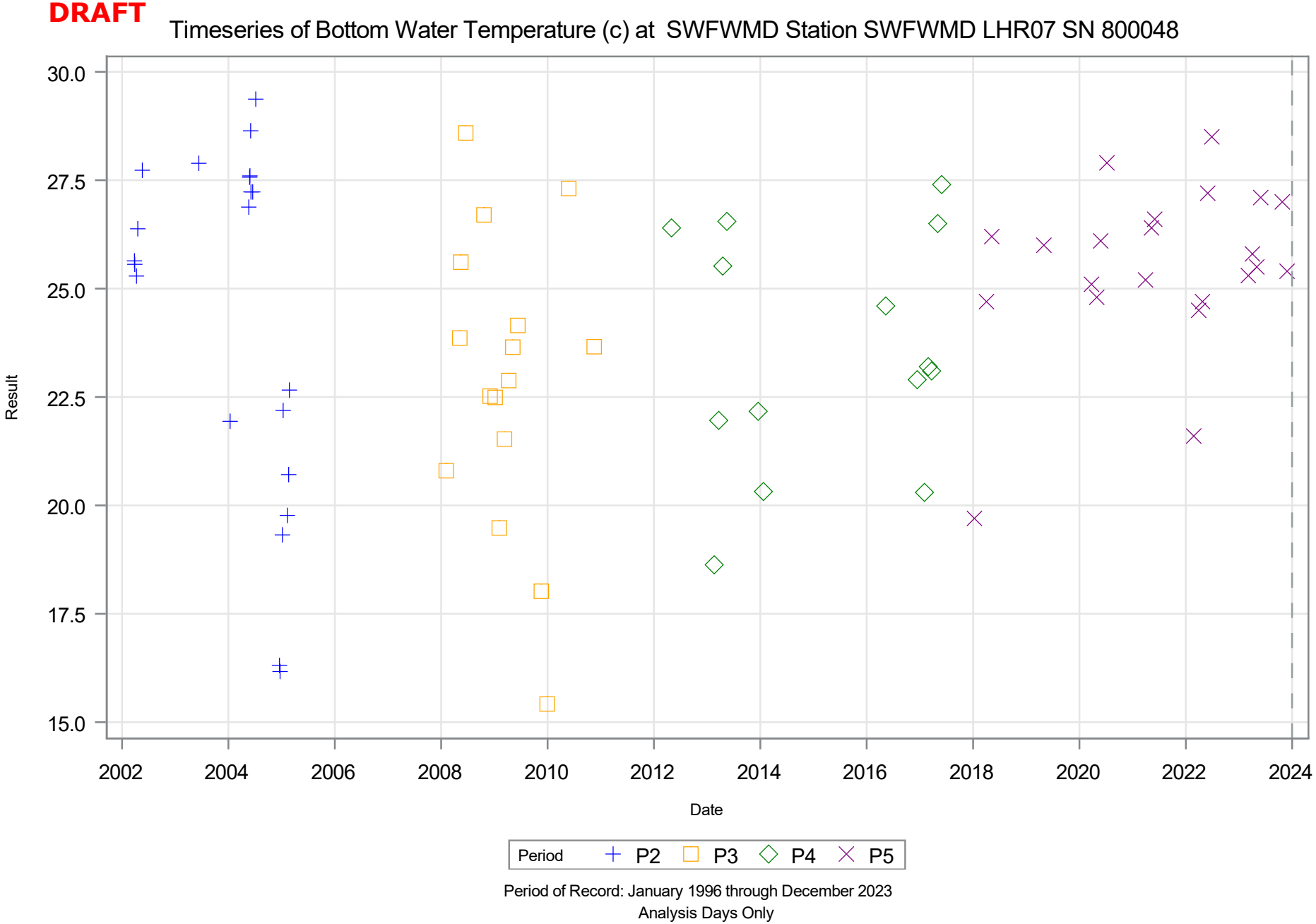
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR06 SN 800047



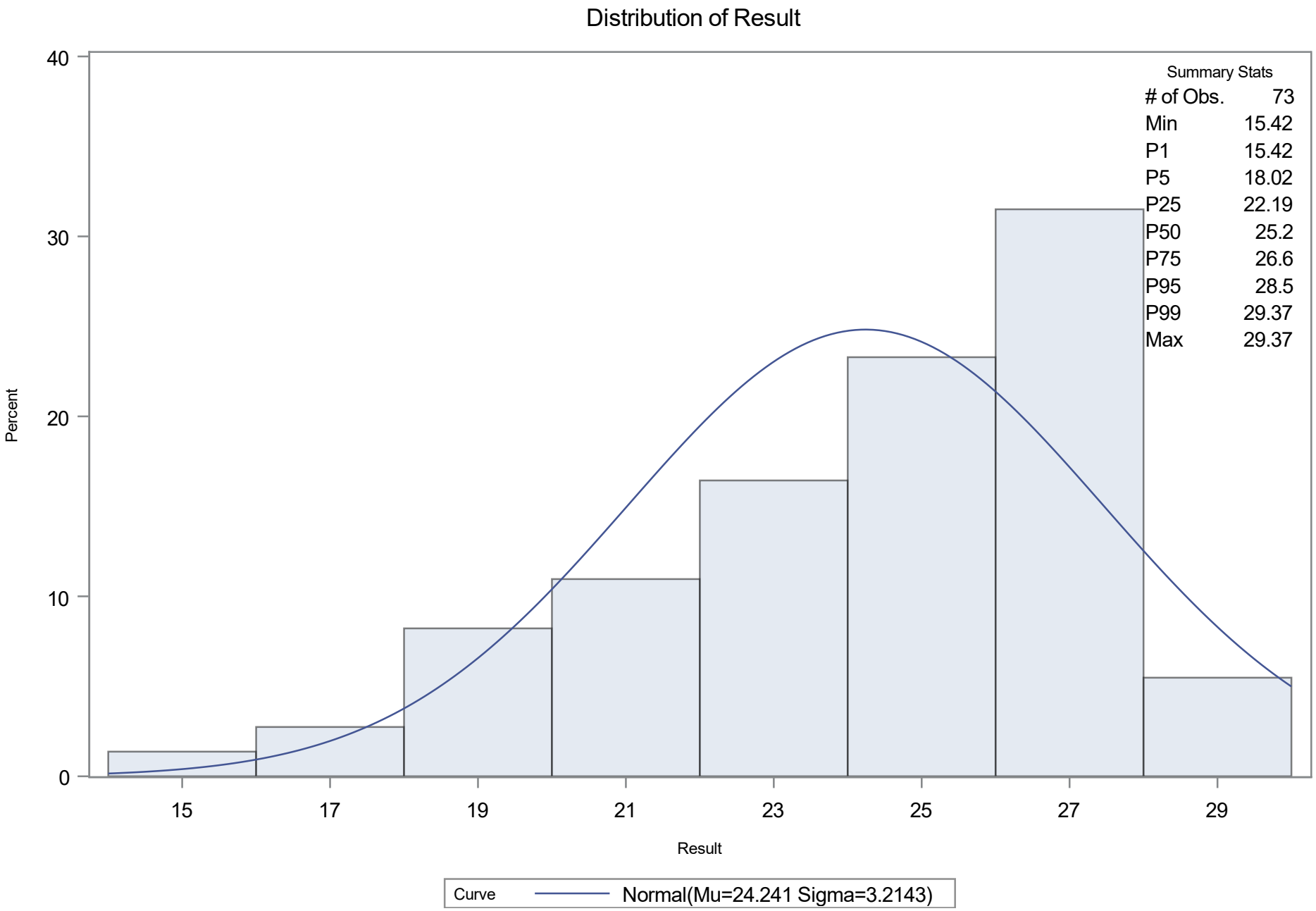
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
30.0
27.5
25.0
22.5
20.0
17.5
15.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.2411
Std Dev	Sigma	3.214328

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12589464	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.23857289	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.40849609	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.4200	16.7635
5.0	18.0200	18.9540
10.0	19.7000	20.1218
25.0	22.1900	22.0731
50.0	25.2000	24.2411
75.0	26.6000	26.4091
90.0	27.6000	28.3604
95.0	28.5000	29.5282
99.0	29.3700	31.7187

Period of Record: January 1996 through December 2023
Analysis Days Only

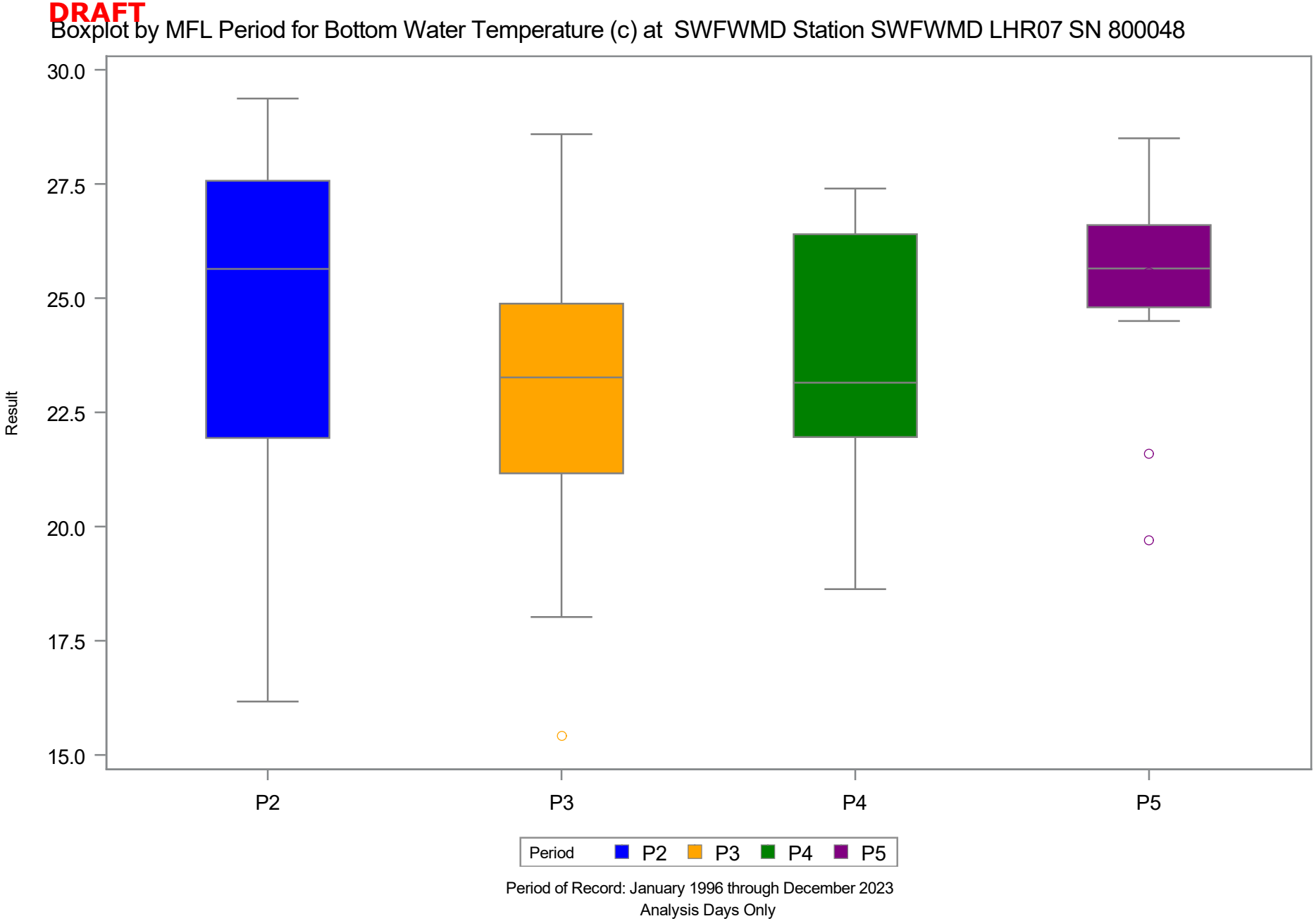
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.17	21.94	24.38	25.64	27.57	29.37
P3	16	15.42	21.17	22.92	23.27	24.88	28.59
P4	14	18.63	21.96	23.54	23.15	26.40	27.40
P5	22	19.70	24.80	25.51	25.65	26.60	28.50

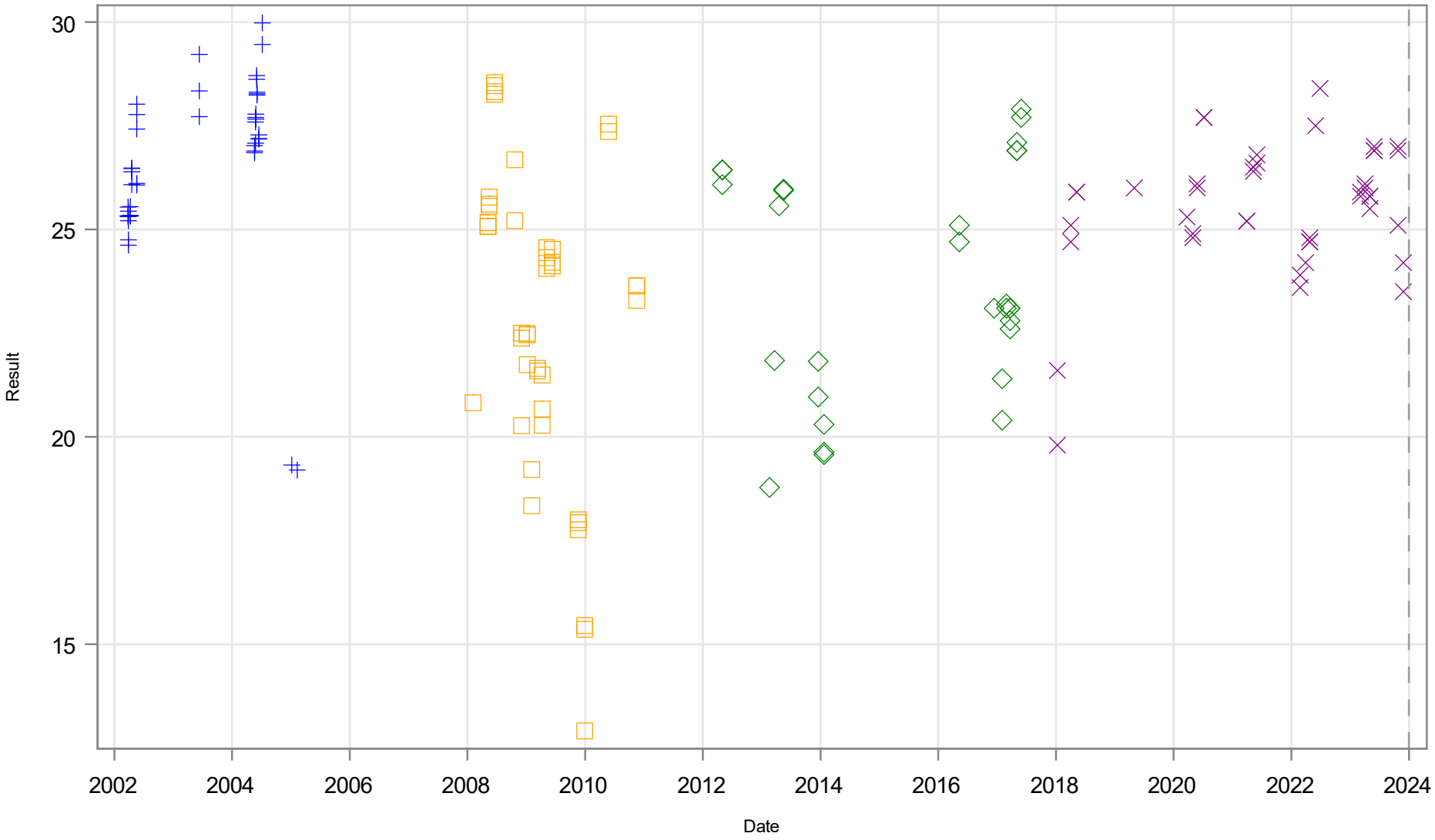
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
30.0
27.5
25.0
22.5
20.0
17.5
15.0
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

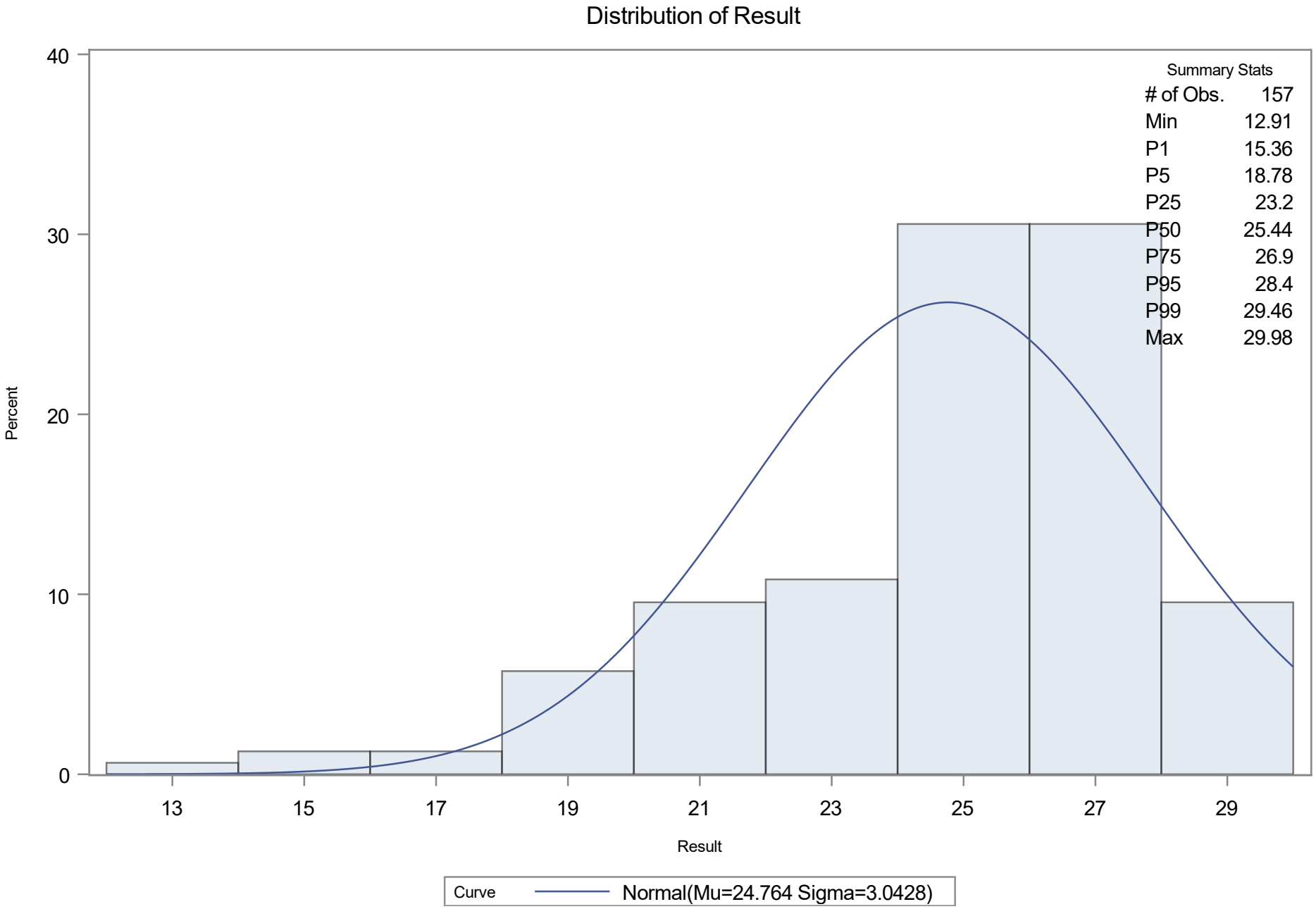
Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.76408
Std Dev	Sigma	3.042812

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14128111	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.69264753	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.84713868	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.3600	17.6854
5.0	18.7800	19.7591
10.0	20.2800	20.8646
25.0	23.2000	22.7117
50.0	25.4400	24.7641
75.0	26.9000	26.8164
90.0	27.9000	28.6636
95.0	28.4000	29.7691
99.0	29.4600	31.8427

Period of Record: January 1996 through December 2023
Analysis Days Only

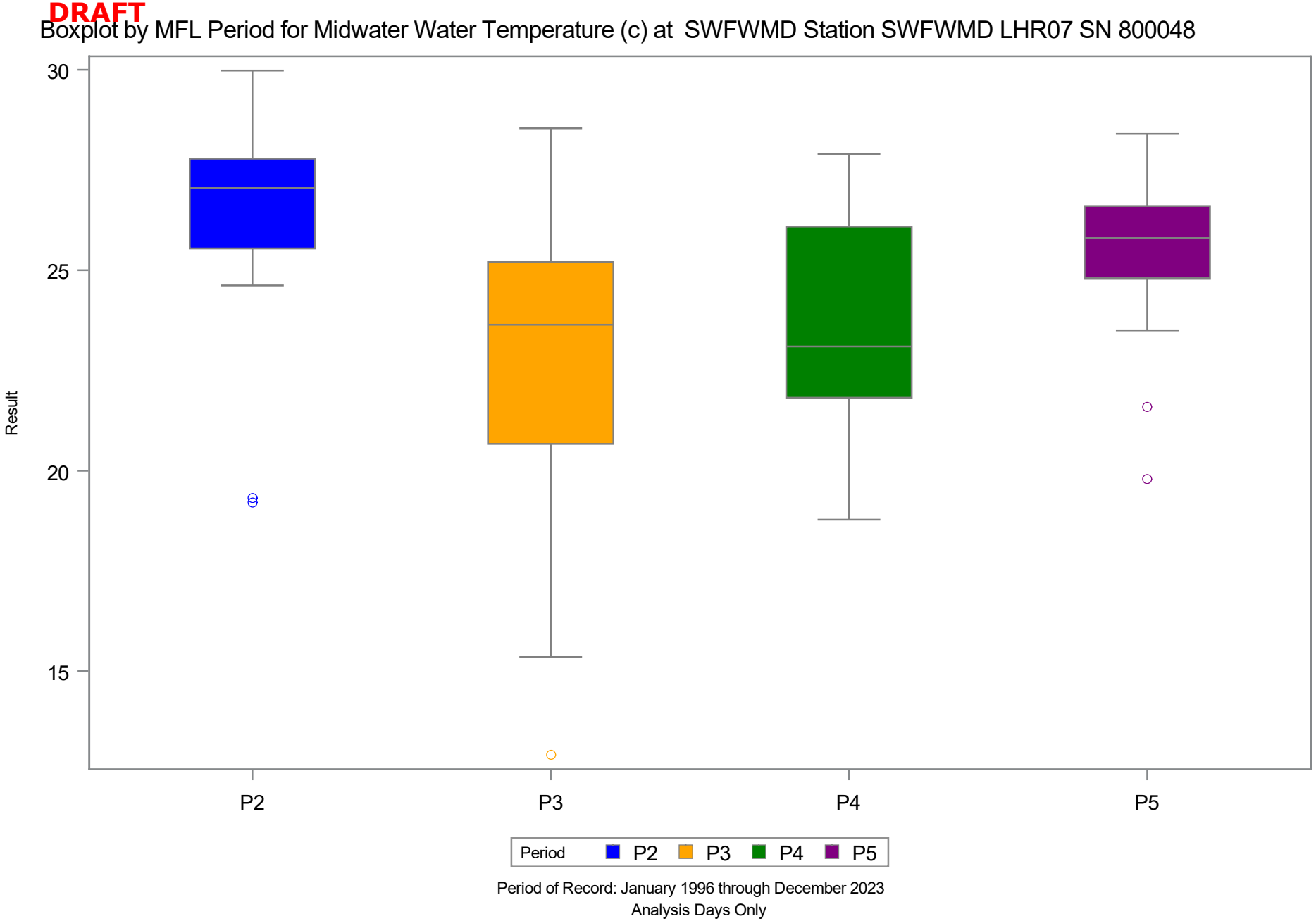
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	42	19.20	25.54	26.64	27.05	27.78	29.98
P3	43	12.91	20.67	22.84	23.64	25.21	28.54
P4	29	18.78	21.82	23.74	23.10	26.08	27.90
P5	43	19.80	24.80	25.54	25.80	26.60	28.40

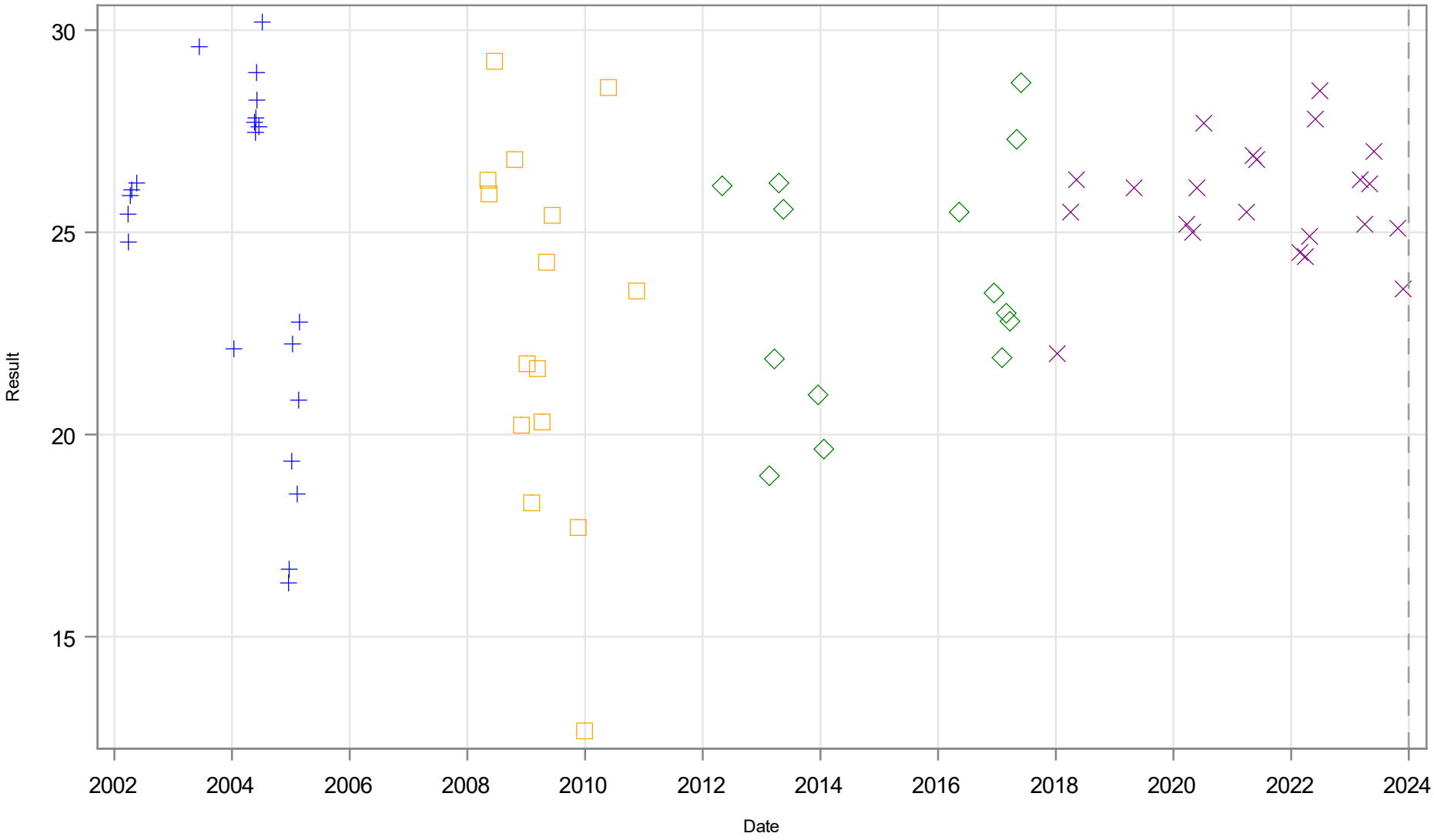
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

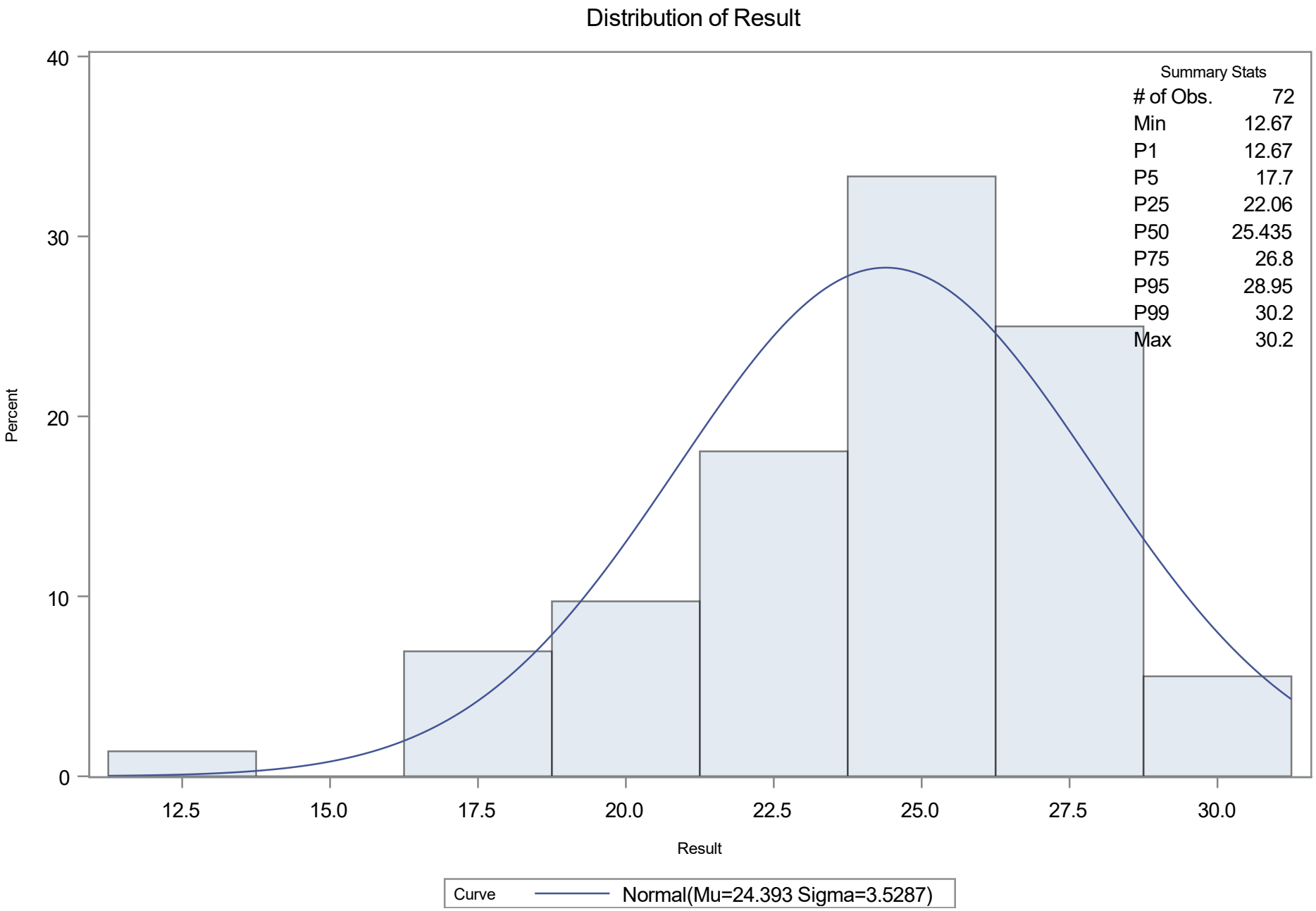
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.39278
Std Dev	Sigma	3.528738

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14048061	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.27137284	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.44439087	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.6700	16.1837
5.0	17.7000	18.5885
10.0	19.3400	19.8705
25.0	22.0600	22.0127
50.0	25.4350	24.3928
75.0	26.8000	26.7729
90.0	28.2700	28.9150
95.0	28.9500	30.1970
99.0	30.2000	32.6018

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

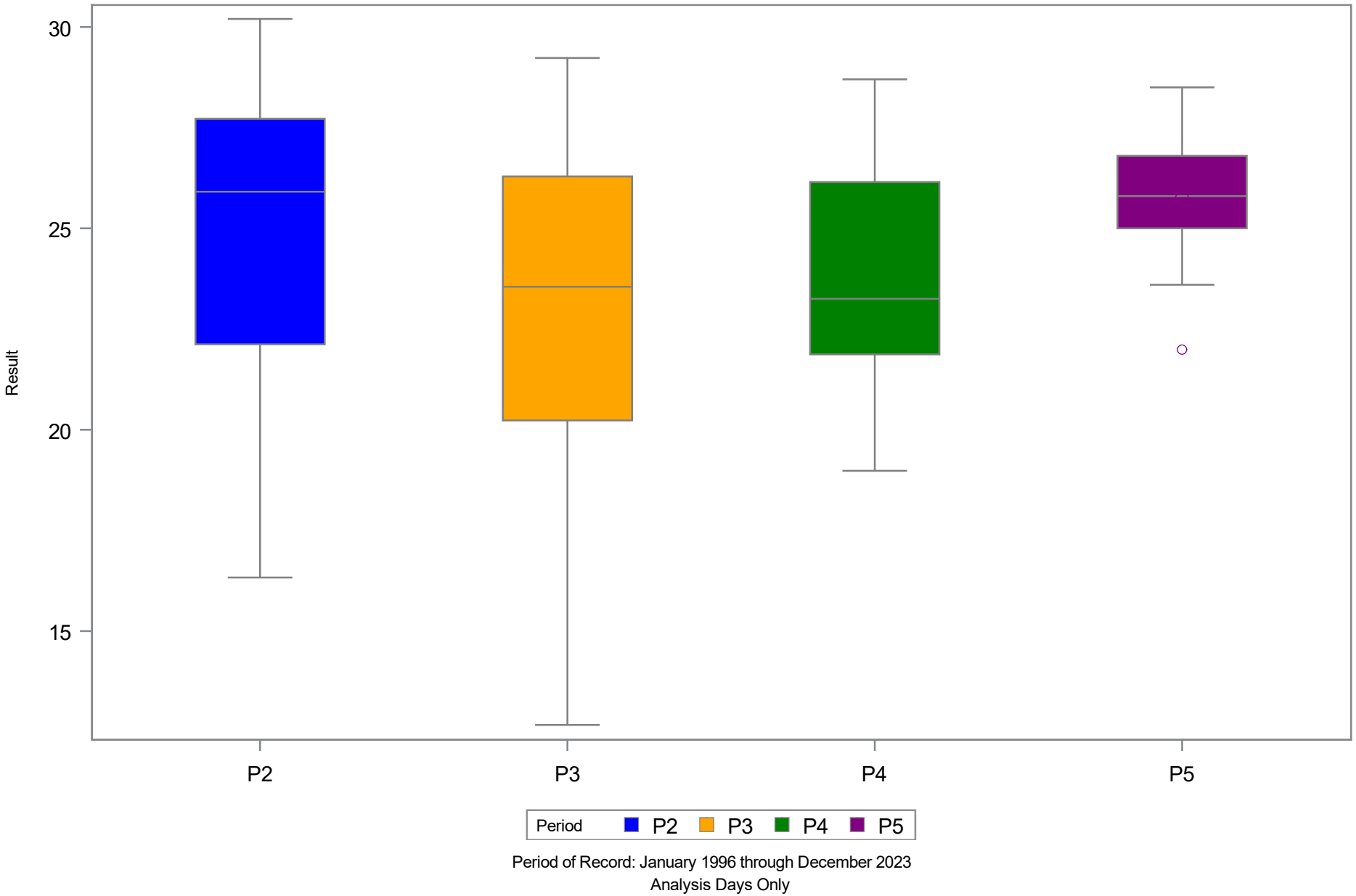
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.33	22.12	24.52	25.91	27.72	30.20
P3	15	12.67	20.23	22.85	23.55	26.29	29.23
P4	14	18.98	21.87	23.72	23.25	26.15	28.70
P5	22	22.00	25.00	25.75	25.80	26.80	28.50

Period of Record: January 1996 through December 2023
Analysis Days Only

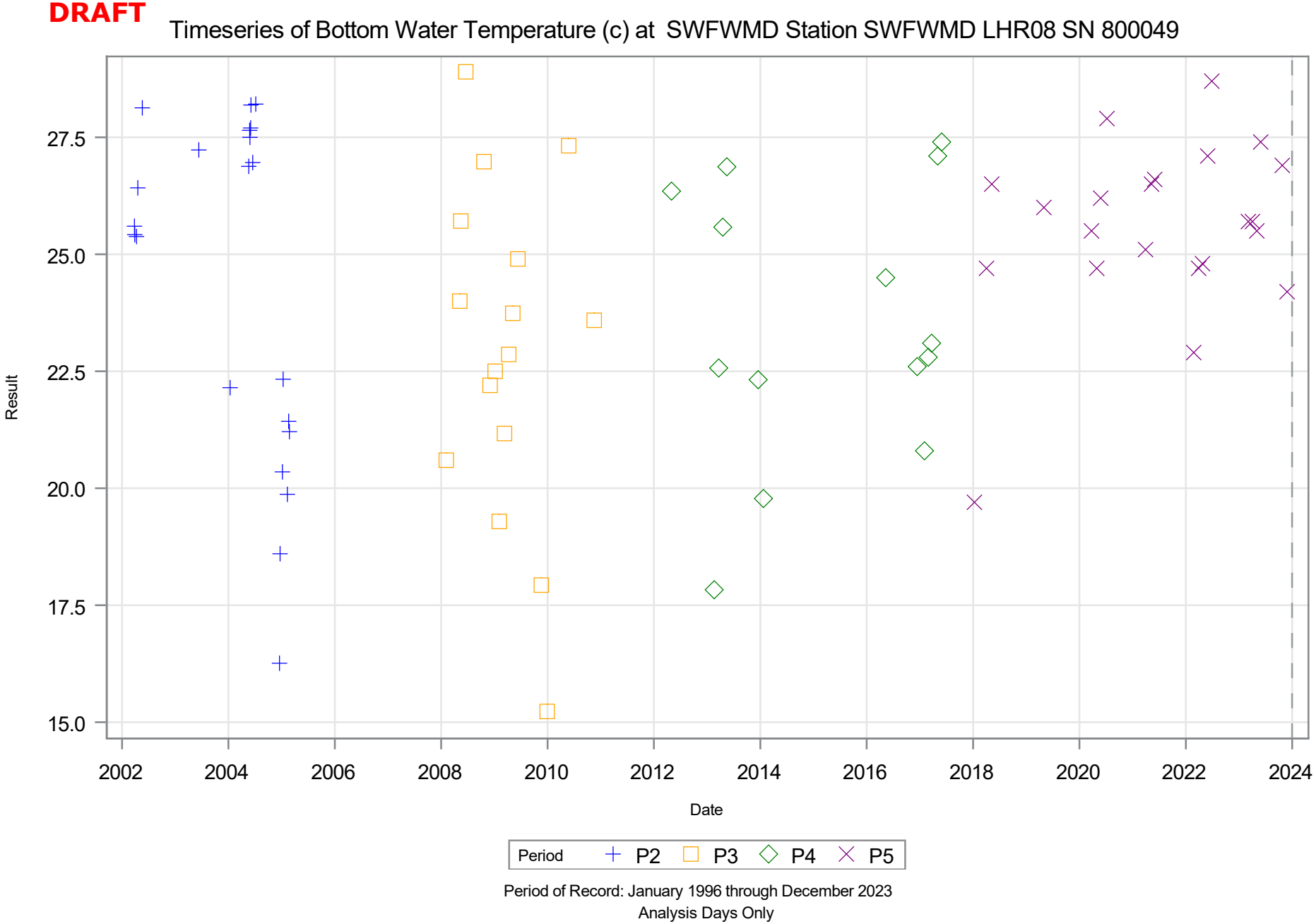
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR07 SN 800048



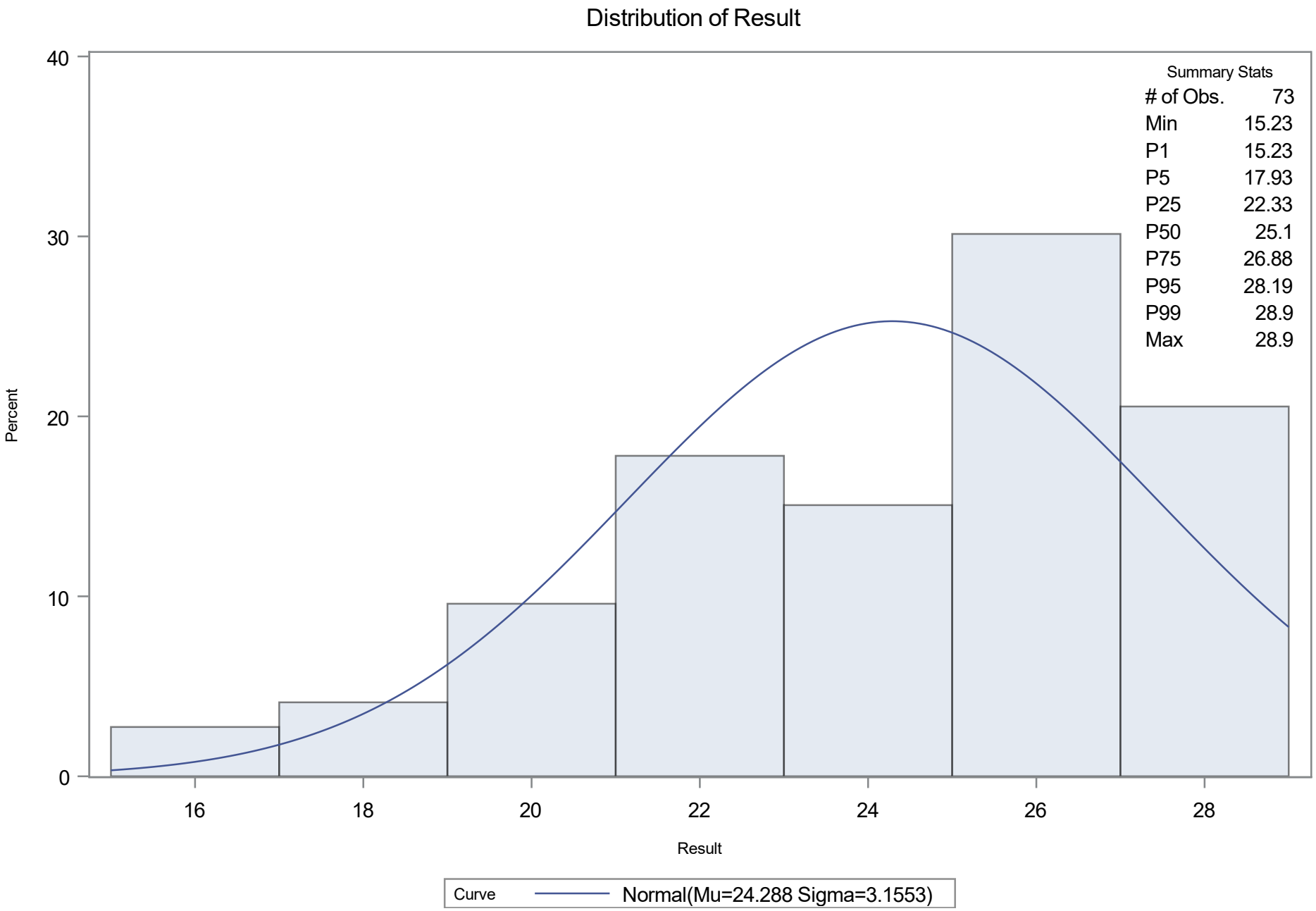
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
27.5
25.0
22.5
20.0
17.5
15.0
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.28753
Std Dev	Sigma	3.155267

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12856785	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.24749141	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.47273475	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.2300	16.9473
5.0	17.9300	19.0976
10.0	19.7800	20.2439
25.0	22.3300	22.1593
50.0	25.1000	24.2875
75.0	26.8800	26.4157
90.0	27.6500	28.3312
95.0	28.1900	29.4775
99.0	28.9000	31.6278

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

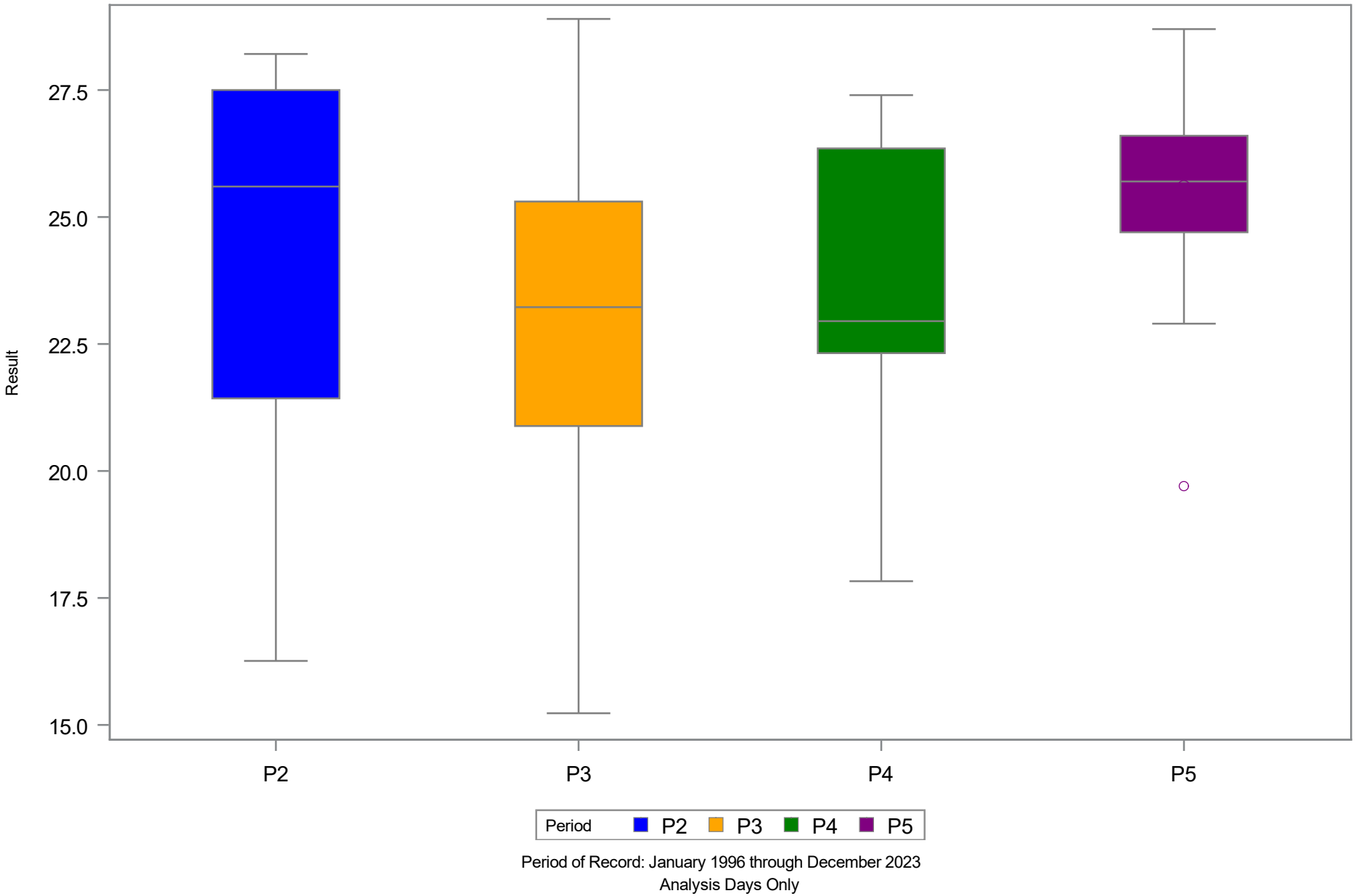
Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.26	21.43	24.45	25.60	27.50	28.21
P3	16	15.23	20.89	22.93	23.23	25.31	28.90
P4	14	17.83	22.32	23.54	22.95	26.35	27.40
P5	22	19.70	24.70	25.59	25.70	26.60	28.70

Period of Record: January 1996 through December 2023
Analysis Days Only

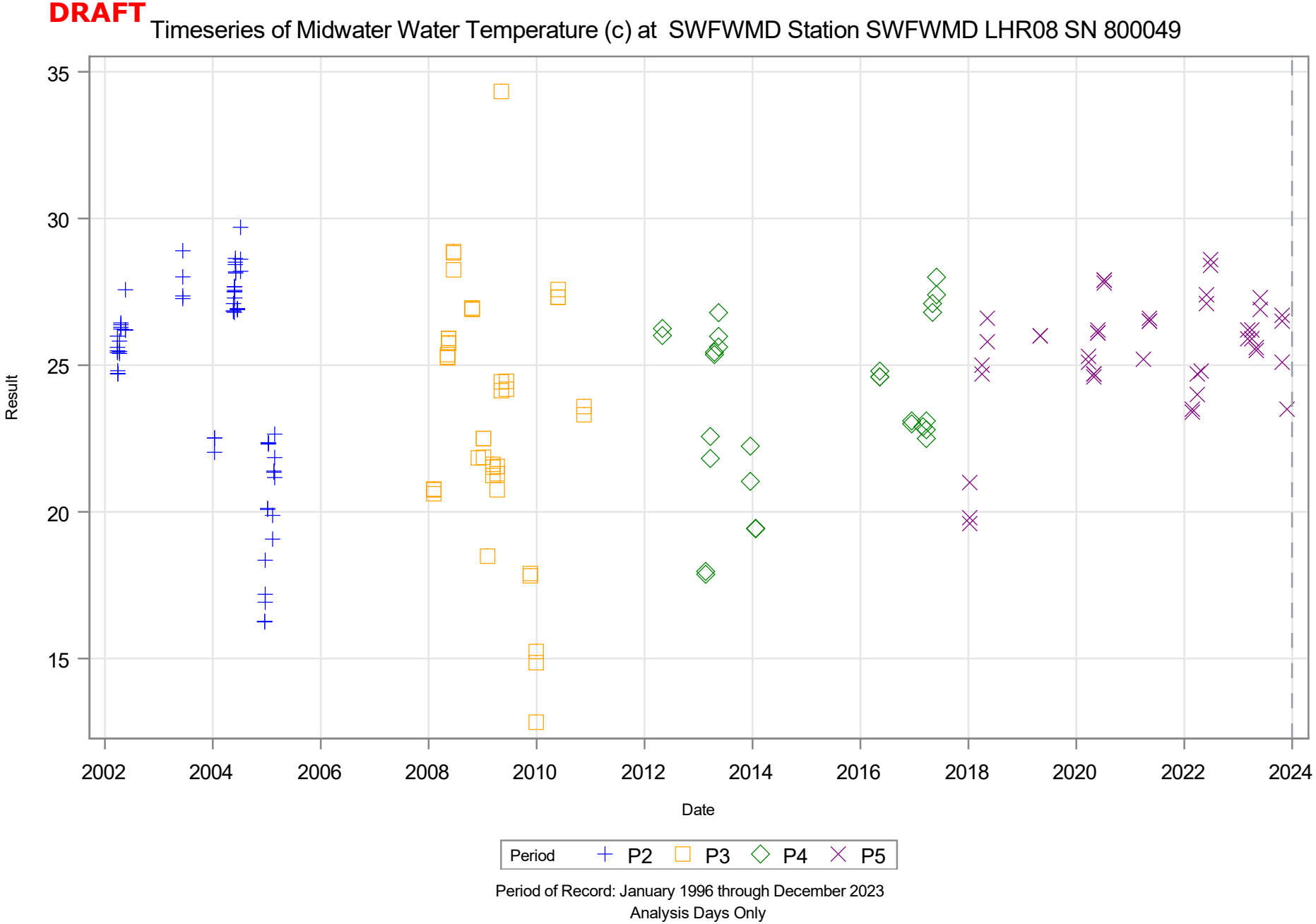
DRAFT

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049



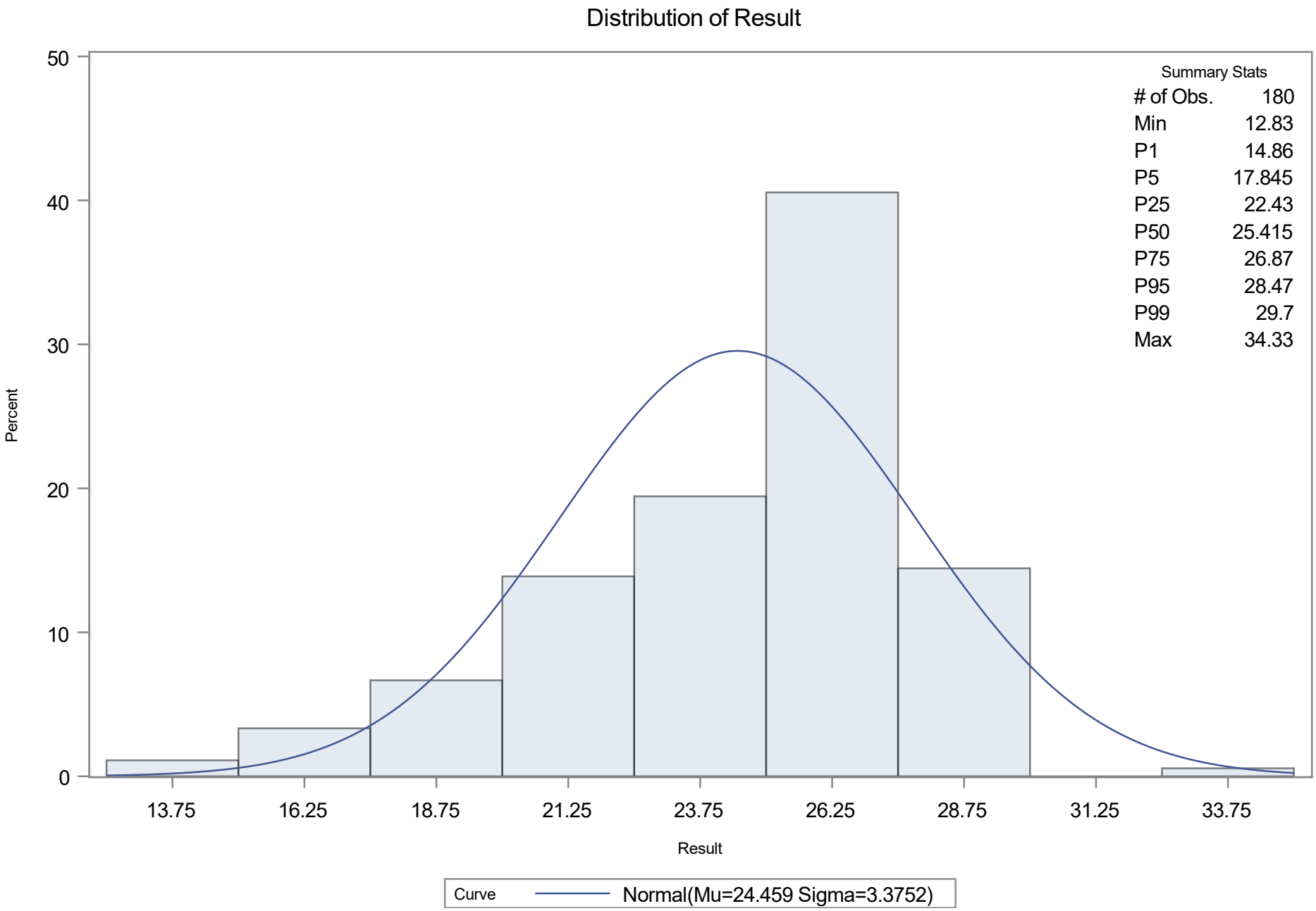
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
35
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.45894
Std Dev	Sigma	3.375231

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14444527	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.75824320	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.26138205	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.8600	16.6070
5.0	17.8450	18.9072
10.0	19.7000	20.1334
25.0	22.4300	22.1824
50.0	25.4150	24.4589
75.0	26.8700	26.7355
90.0	27.9000	28.7845
95.0	28.4700	30.0107
99.0	29.7000	32.3109

Period of Record: January 1996 through December 2023
Analysis Days Only

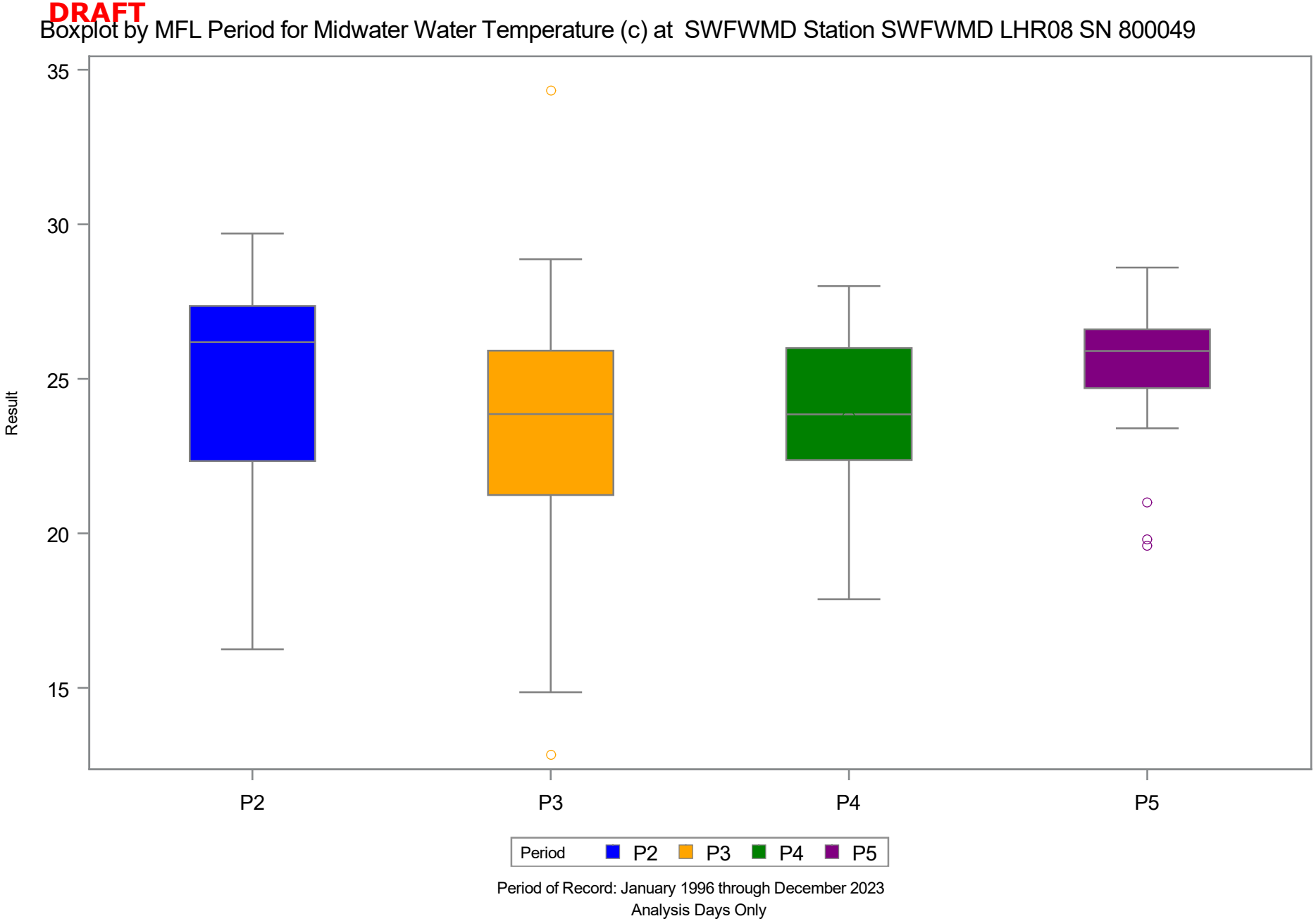
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	65	16.25	22.34	24.72	26.19	27.36	29.70
P3	42	12.83	21.24	23.39	23.86	25.91	34.33
P4	28	17.87	22.37	23.73	23.85	26.00	28.00
P5	45	19.60	24.70	25.53	25.90	26.60	28.60

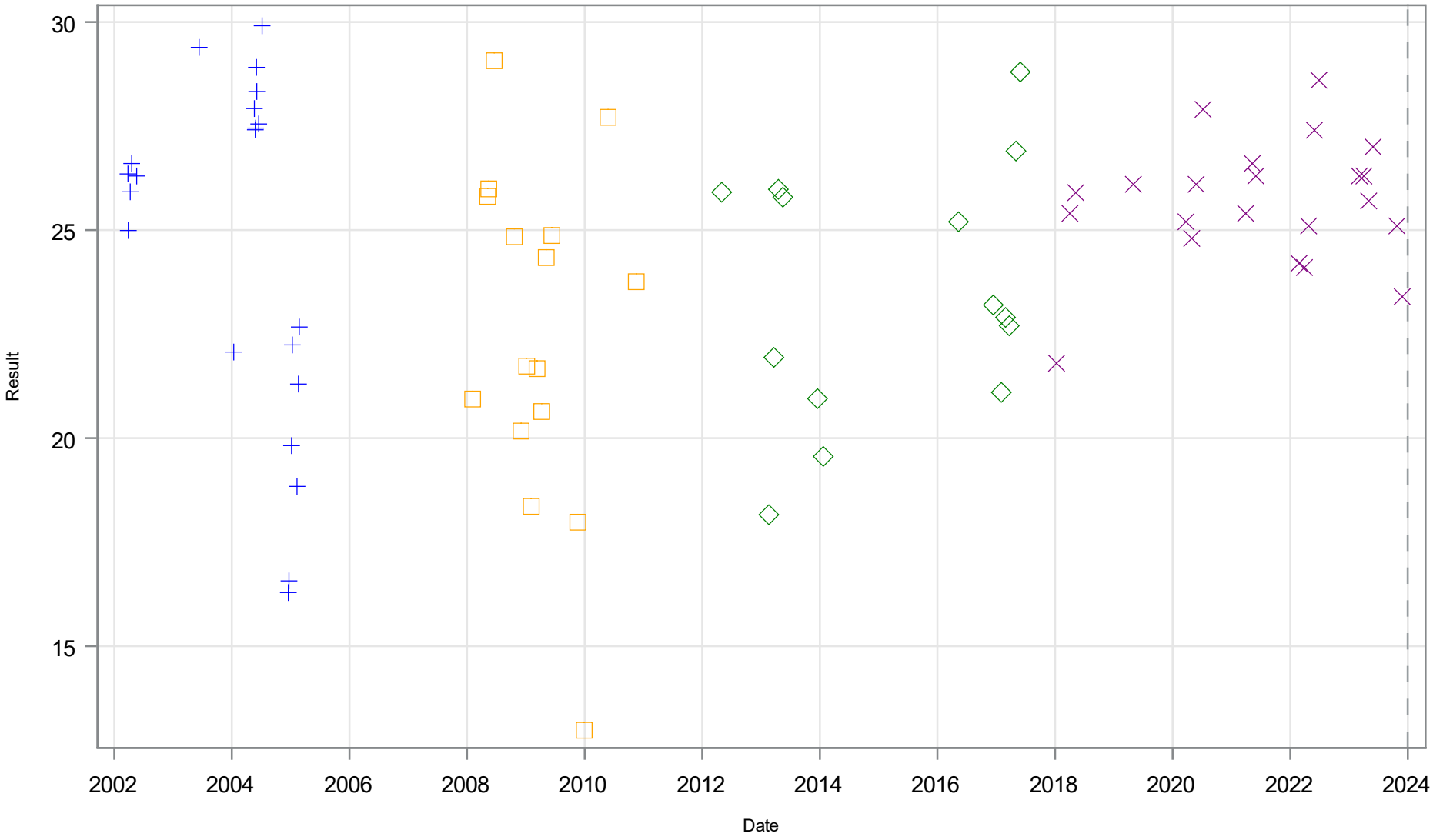
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049
Result
35
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

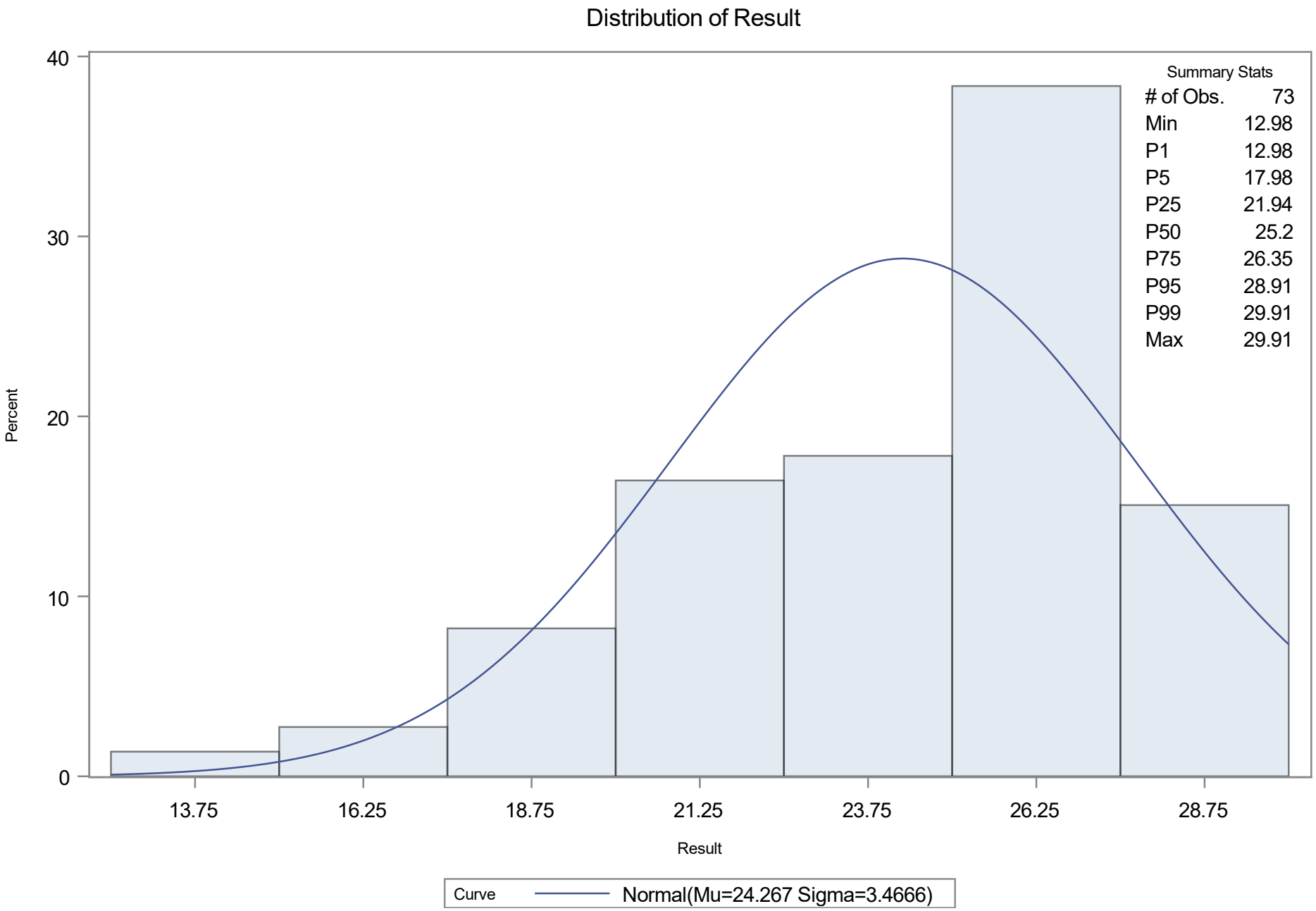
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.26685
Std Dev	Sigma	3.466645

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15015519	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25489921	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.35223515	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.9800	16.2022
5.0	17.9800	18.5647
10.0	19.5600	19.8242
25.0	21.9400	21.9286
50.0	25.2000	24.2668
75.0	26.3500	26.6051
90.0	27.9200	28.7095
95.0	28.9100	29.9690
99.0	29.9100	32.3315

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

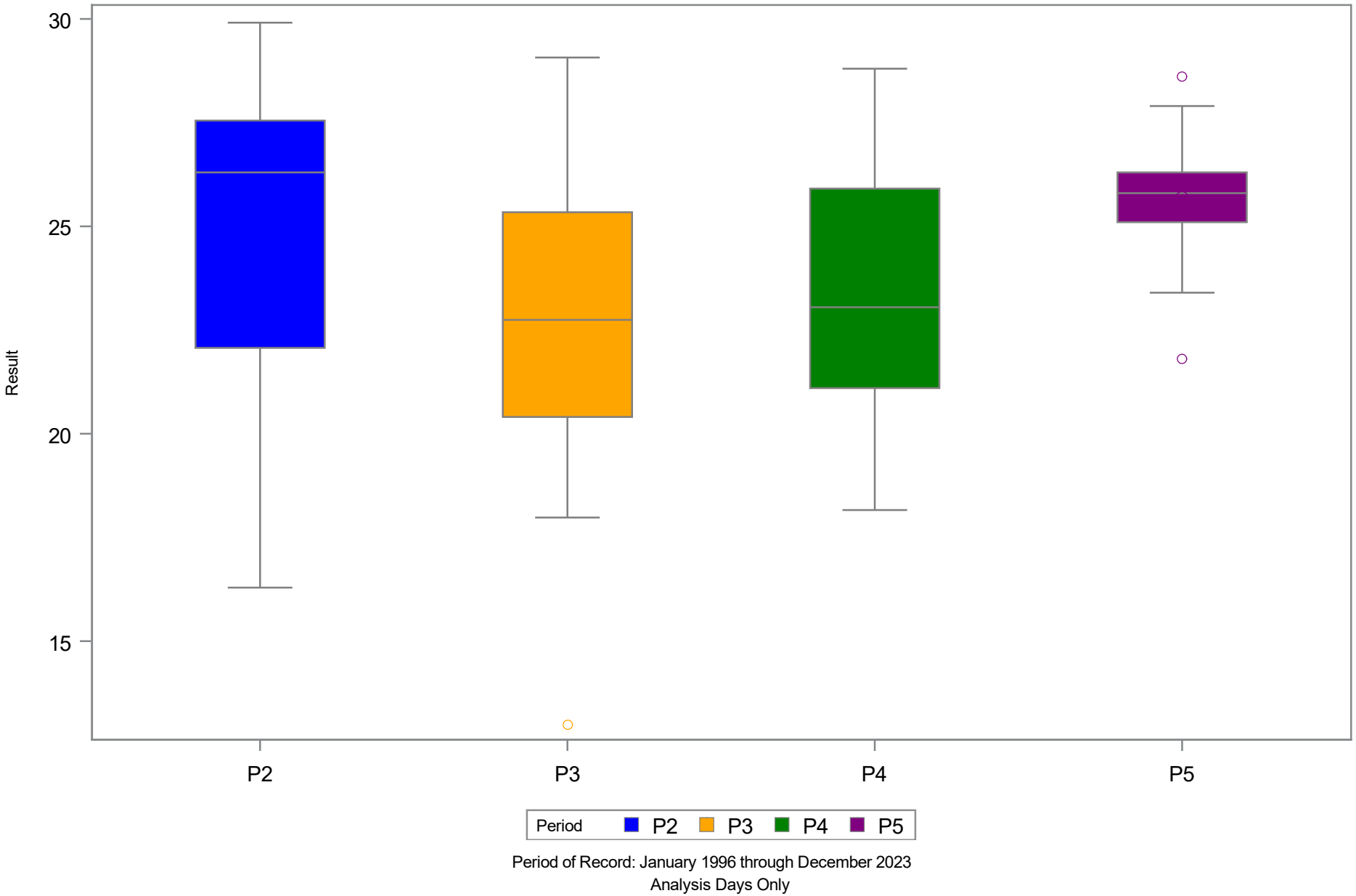
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.29	22.07	24.61	26.30	27.55	29.91
P3	16	12.98	20.41	22.55	22.75	25.34	29.07
P4	14	18.16	21.10	23.51	23.05	25.91	28.80
P5	22	21.80	25.10	25.67	25.80	26.30	28.60

Period of Record: January 1996 through December 2023
Analysis Days Only

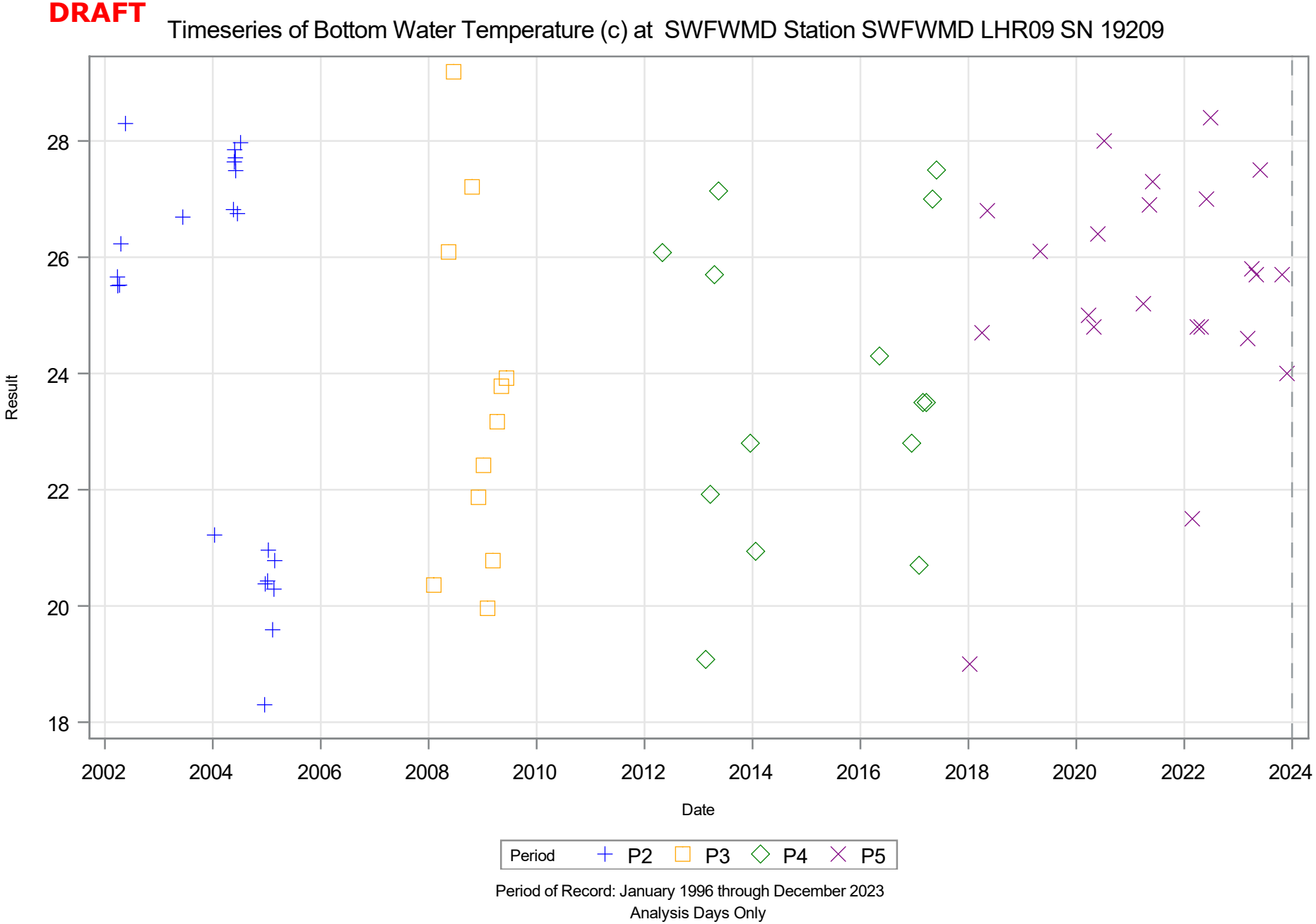
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR08 SN 800049

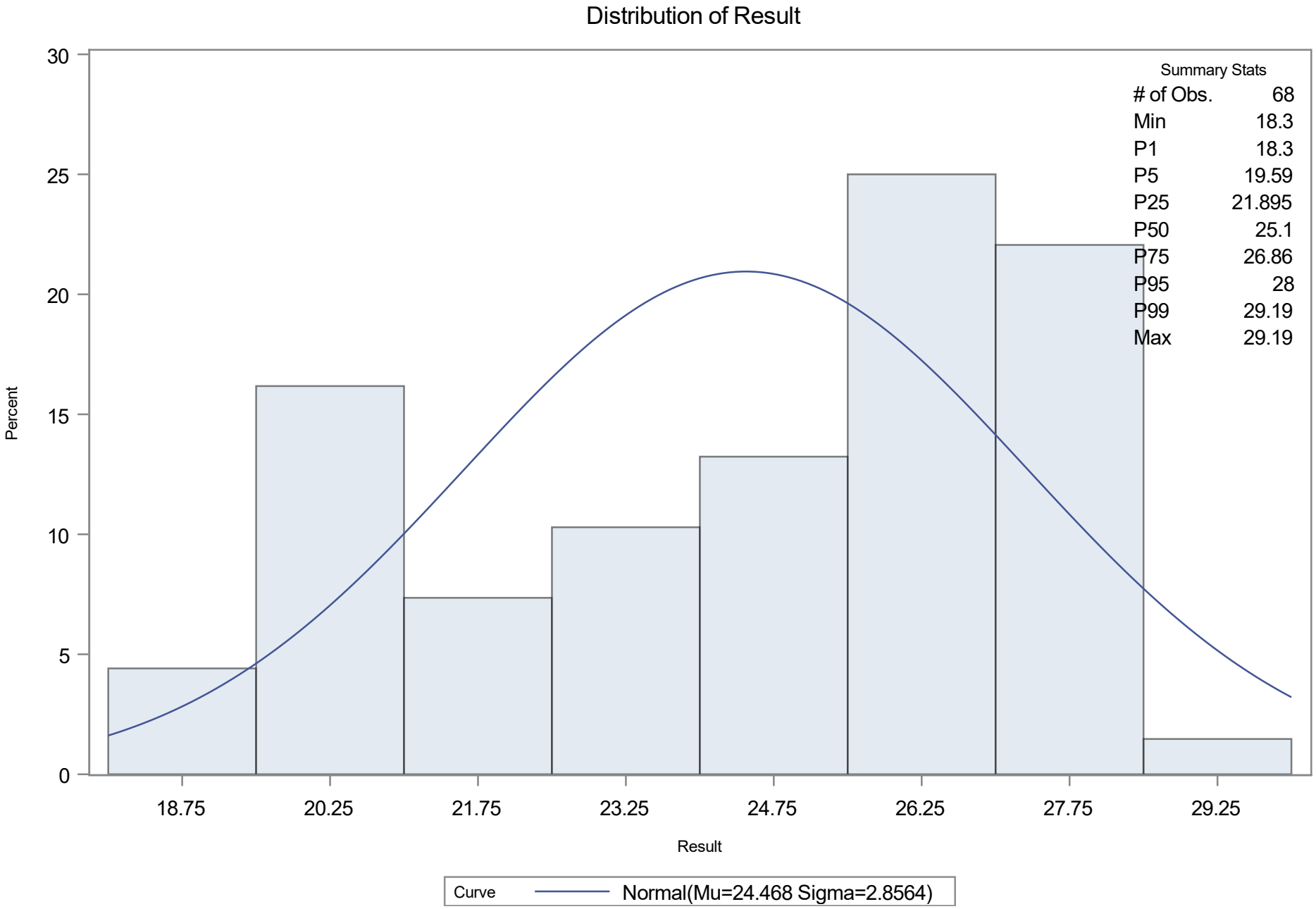


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
28
26
24
22
20
18
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.46765
Std Dev	Sigma	2.856423

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12770686	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.25578830	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.54658011	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.3000	17.8226
5.0	19.5900	19.7692
10.0	20.3600	20.8070
25.0	21.8950	22.5410
50.0	25.1000	24.4676
75.0	26.8600	26.3943
90.0	27.7100	28.1283
95.0	28.0000	29.1660
99.0	29.1900	31.1127

Period of Record: January 1996 through December 2023
Analysis Days Only

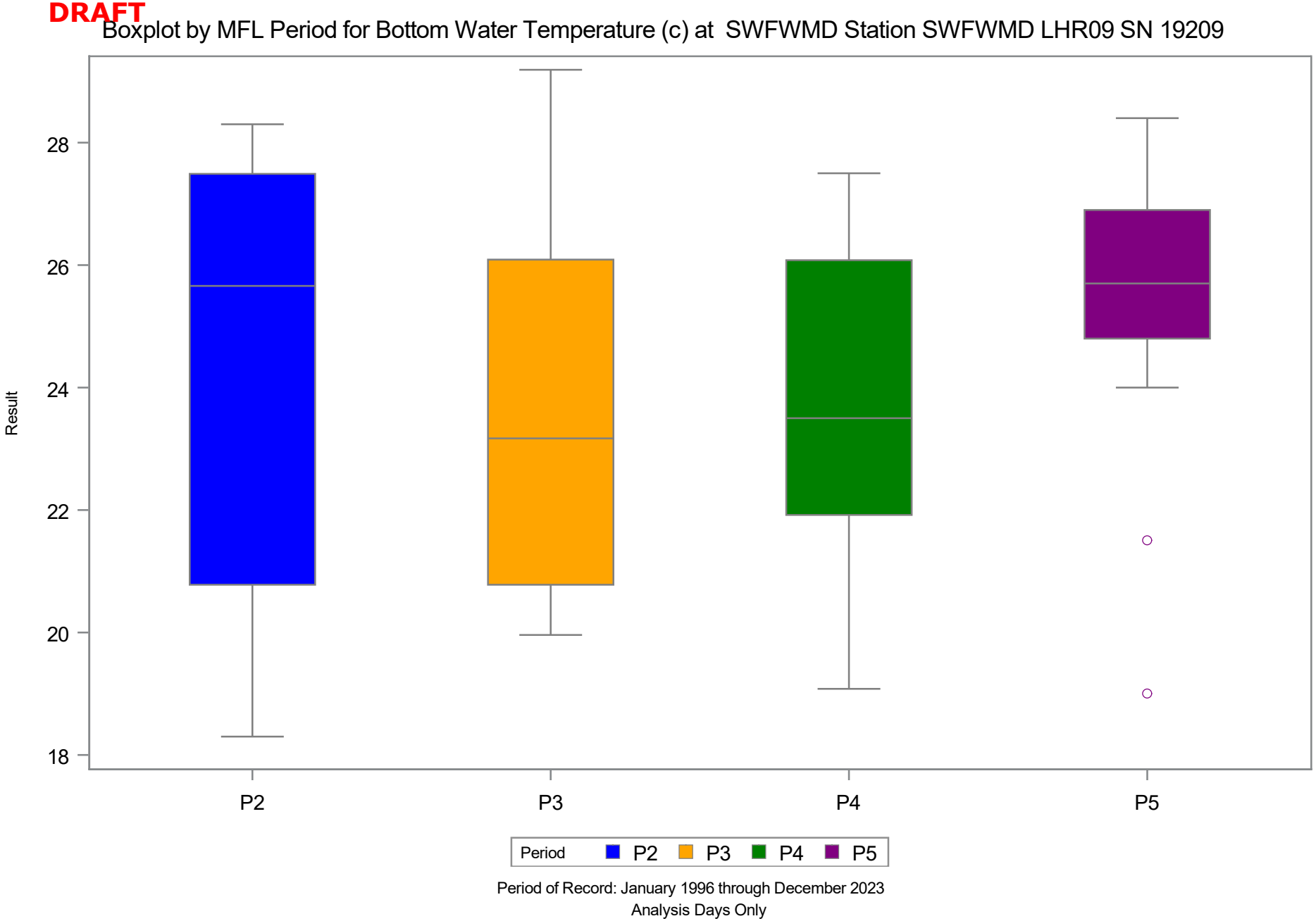
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209

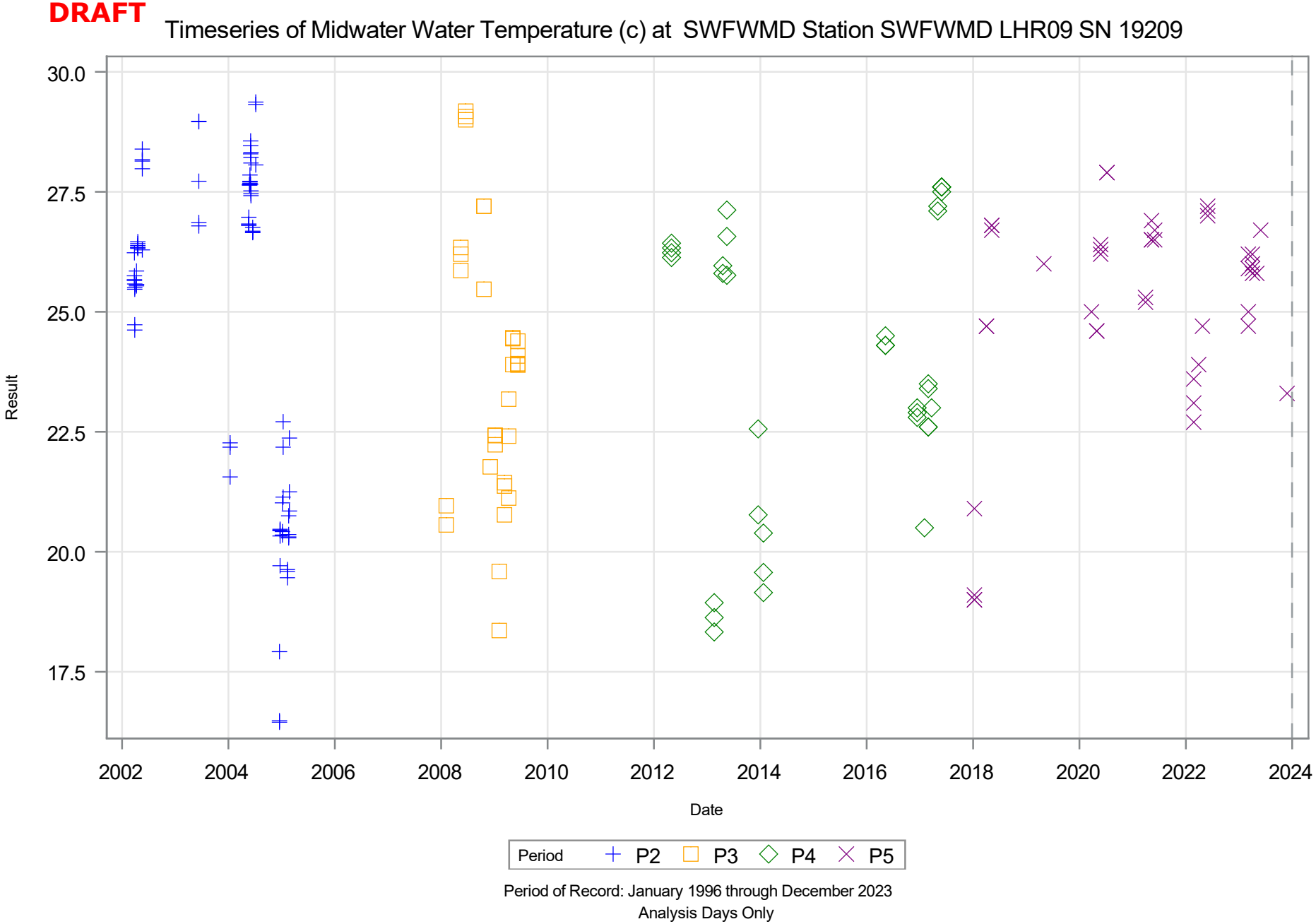
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	18.30	20.78	24.39	25.66	27.49	28.30
P3	11	19.96	20.78	23.52	23.17	26.09	29.19
P4	14	19.08	21.92	23.78	23.50	26.08	27.50
P5	22	19.00	24.80	25.45	25.70	26.90	28.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

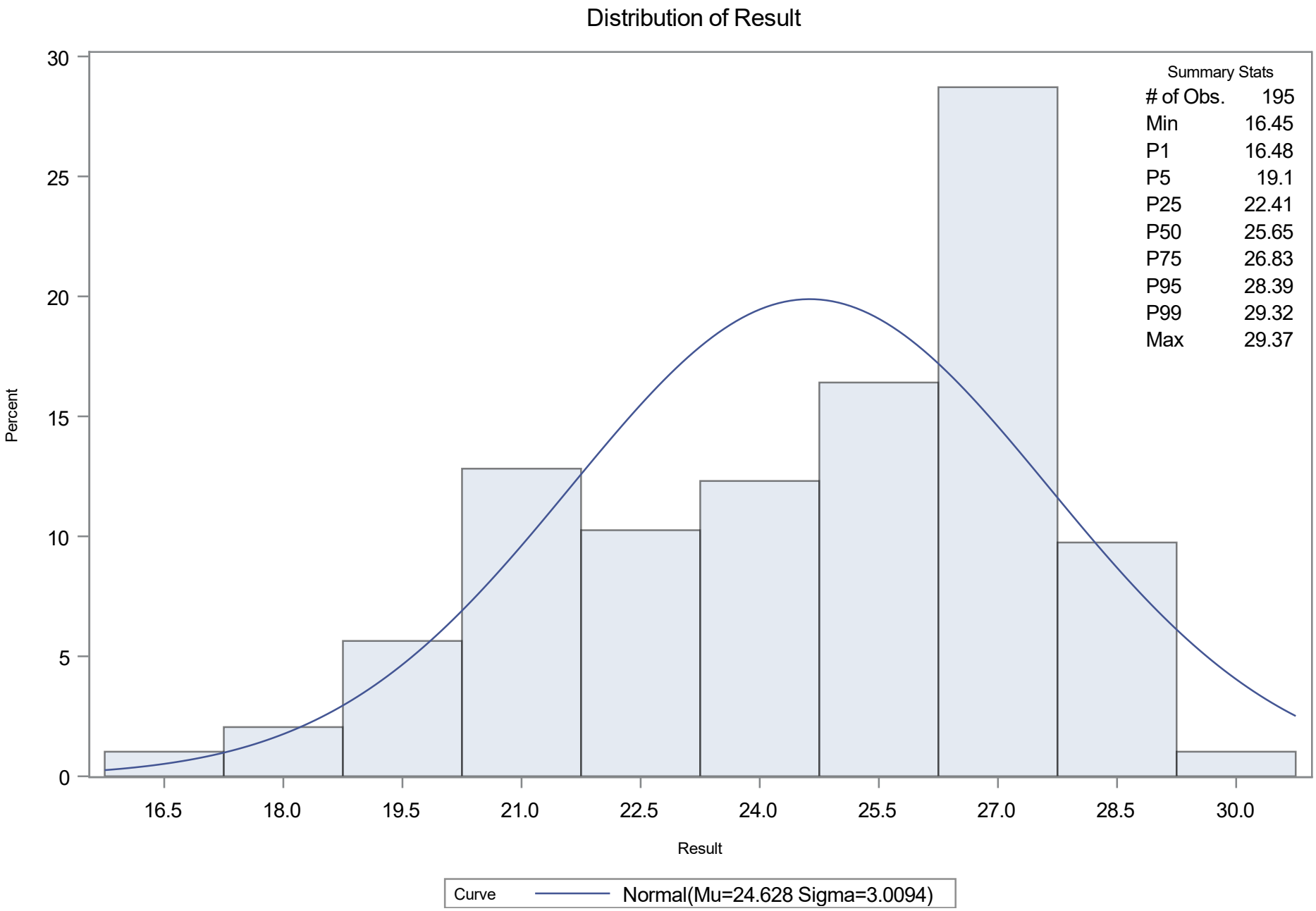

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
28
26
24
22
20
18
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
30.0
27.5
25.0
22.5
20.0
17.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.62805
Std Dev	Sigma	3.00937

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14863677	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.86836440	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.79220491	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.4800	17.6272
5.0	19.1000	19.6781
10.0	20.3300	20.7714
25.0	22.4100	22.5983
50.0	25.6500	24.6281
75.0	26.8300	26.6578
90.0	27.9000	28.4847
95.0	28.3900	29.5780
99.0	29.3200	31.6289

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

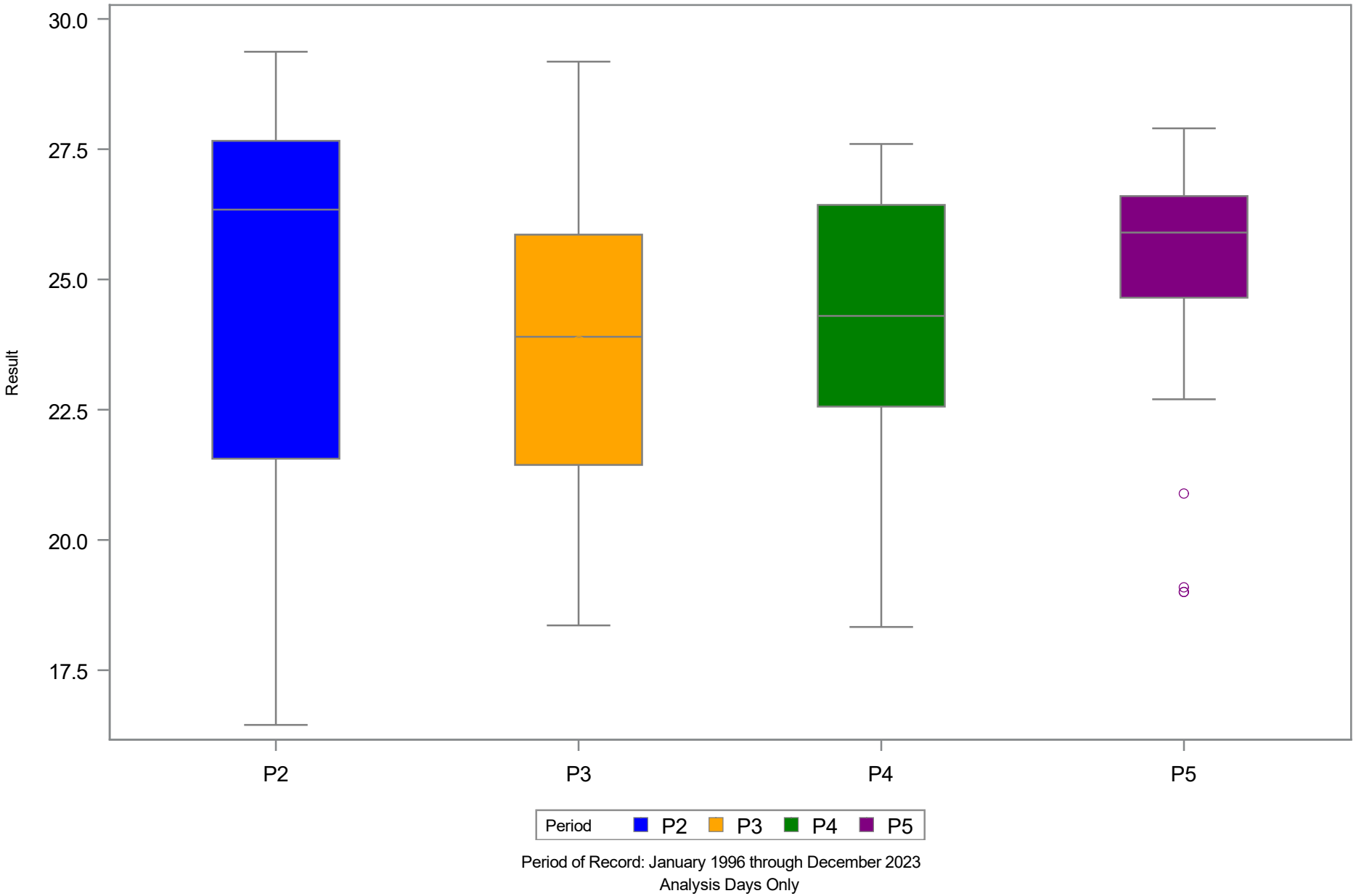
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	85	16.45	21.56	24.96	26.34	27.66	29.37
P3	31	18.36	21.44	23.78	23.90	25.86	29.18
P4	35	18.33	22.56	23.90	24.30	26.43	27.60
P5	44	19.00	24.65	25.16	25.90	26.60	27.90

Period of Record: January 1996 through December 2023
Analysis Days Only

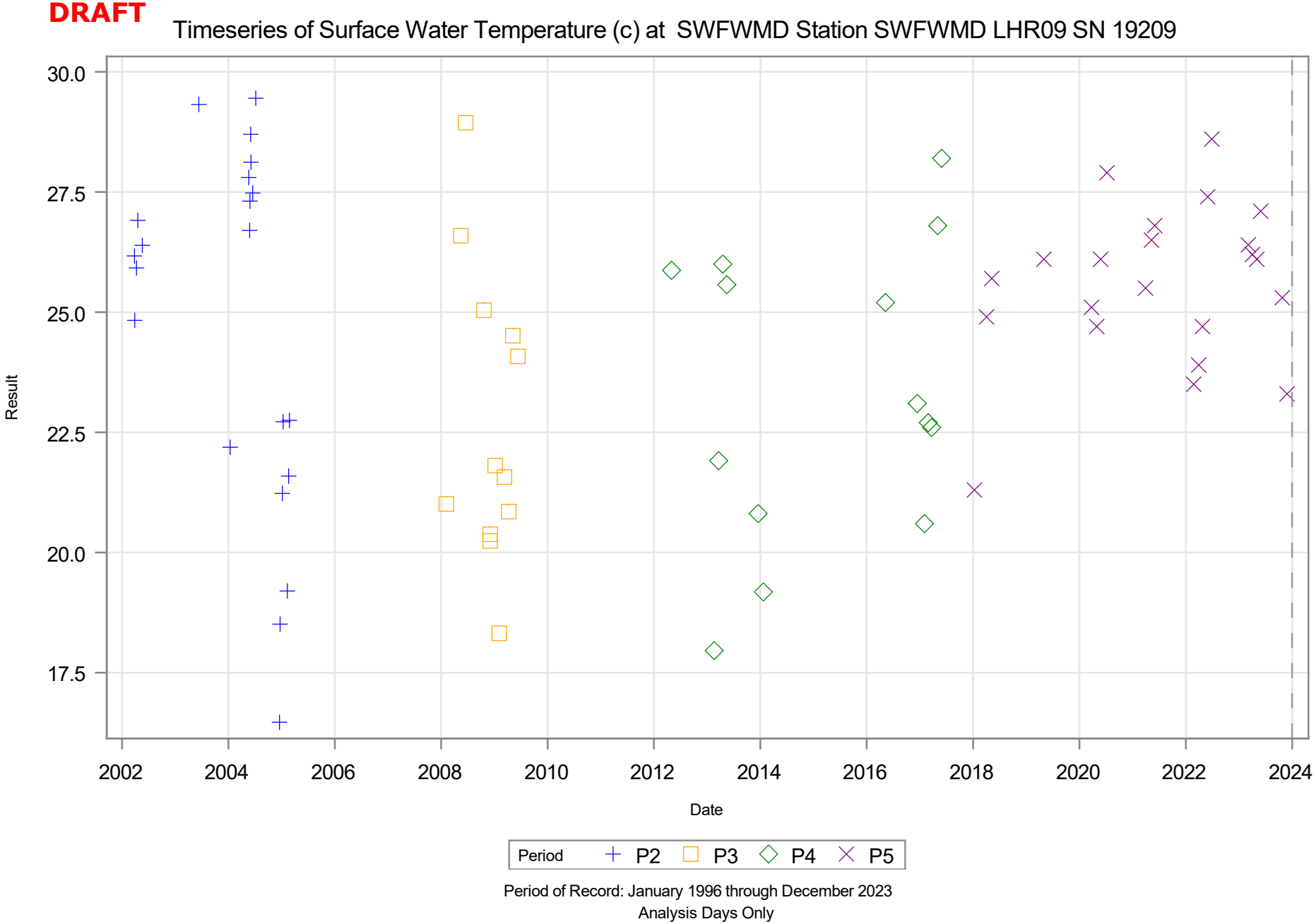
DRAFT

Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209

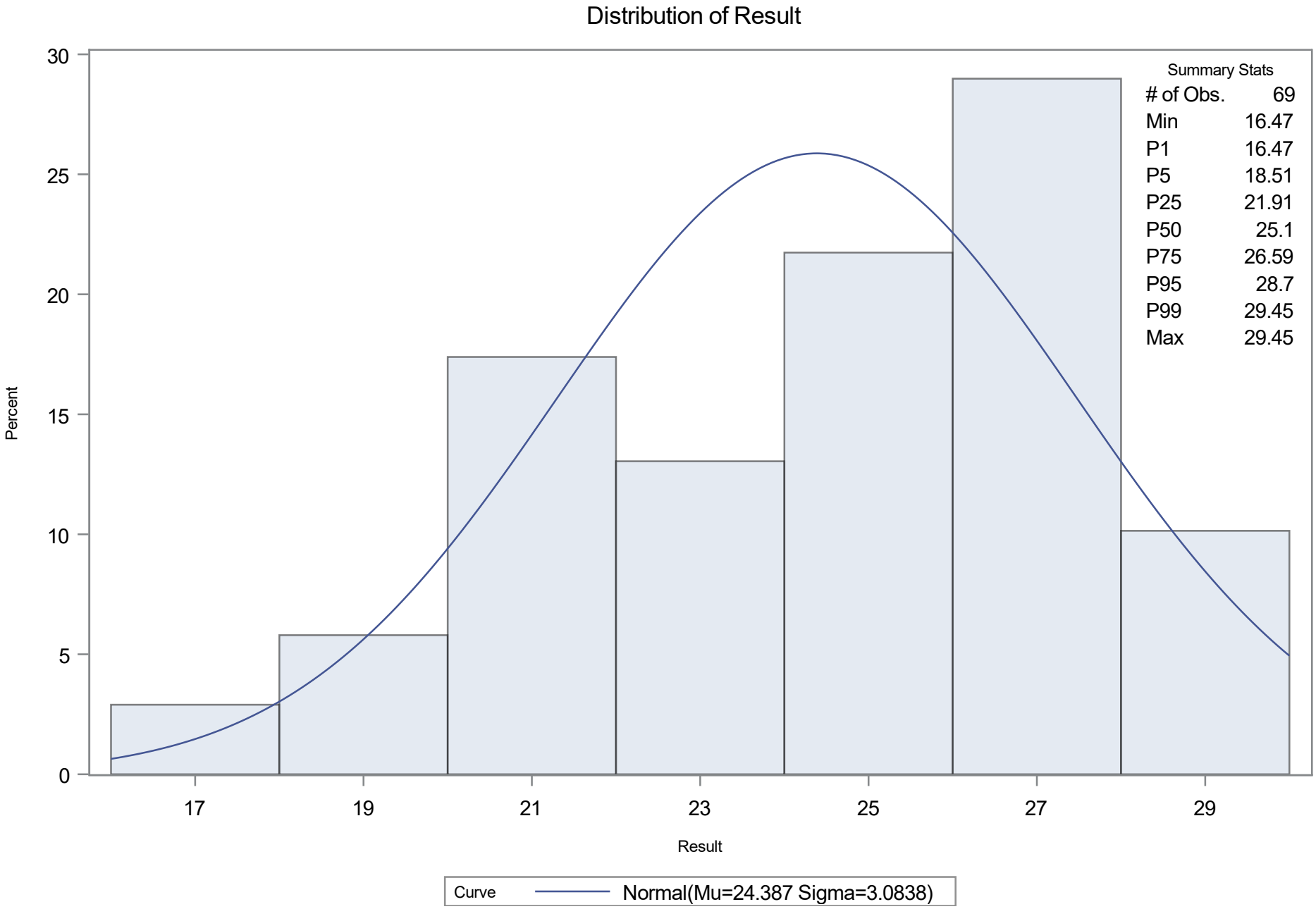


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
30.0
27.5
25.0
22.5
20.0
17.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.38696
Std Dev	Sigma	3.08377

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12013862	**Pr > D**	0.015
Cramer-von Mises	**W-Sq**	0.18683624	**Pr > W-Sq**	0.008
Anderson-Darling	**A-Sq**	0.98844732	**Pr > A-Sq**	0.013

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.4700	17.2130
5.0	18.5100	19.3146
10.0	20.2400	20.4349
25.0	21.9100	22.3070
50.0	25.1000	24.3870
75.0	26.5900	26.4669
90.0	28.1200	28.3390
95.0	28.7000	29.4593
99.0	29.4500	31.5609

Period of Record: January 1996 through December 2023
Analysis Days Only

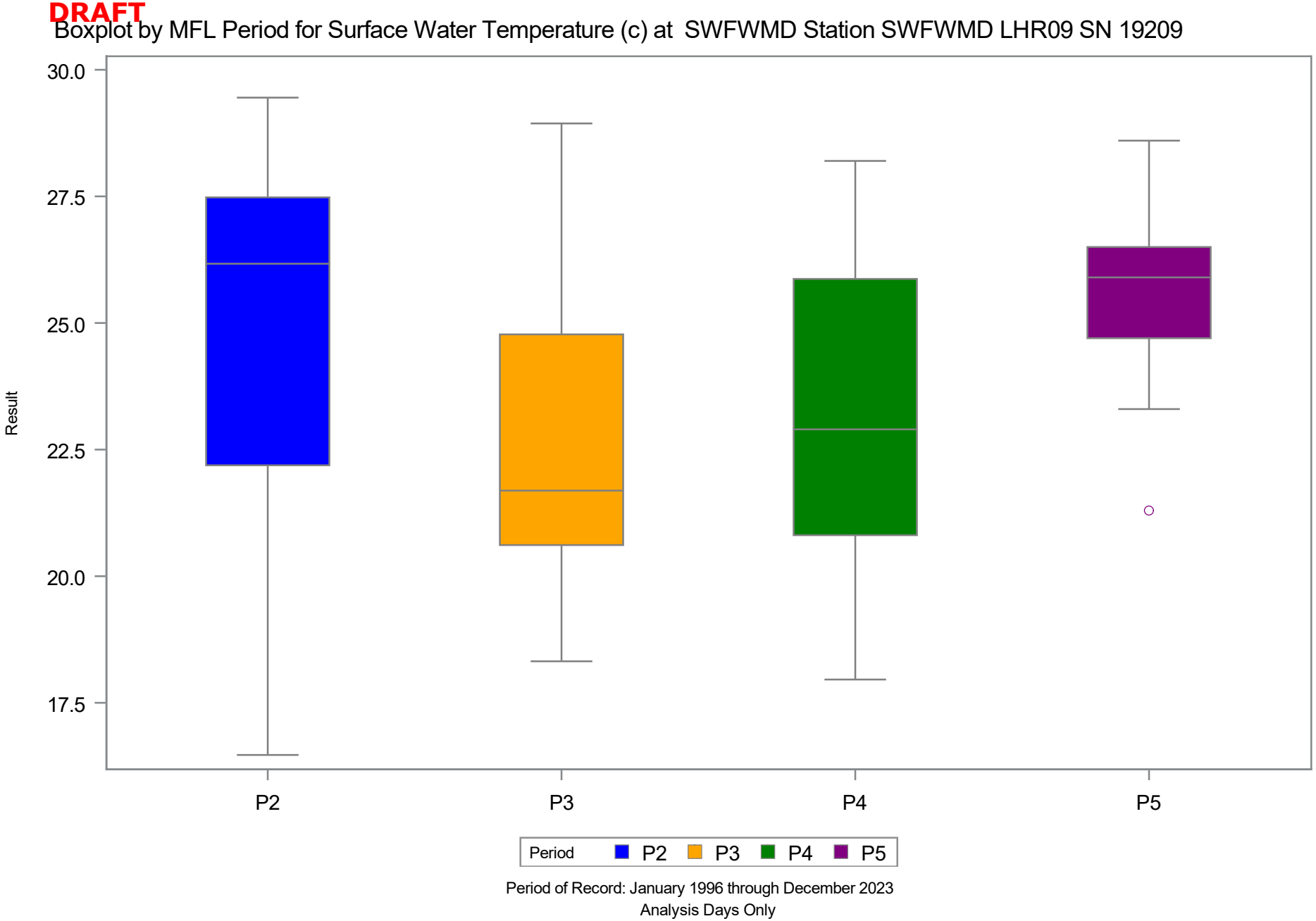
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.47	22.19	24.75	26.17	27.48	29.45
P3	12	18.32	20.62	22.78	21.69	24.78	28.94
P4	14	17.96	20.81	23.32	22.90	25.87	28.20
P5	22	21.30	24.70	25.60	25.90	26.50	28.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
30.0
27.5
25.0
22.5
20.0
17.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

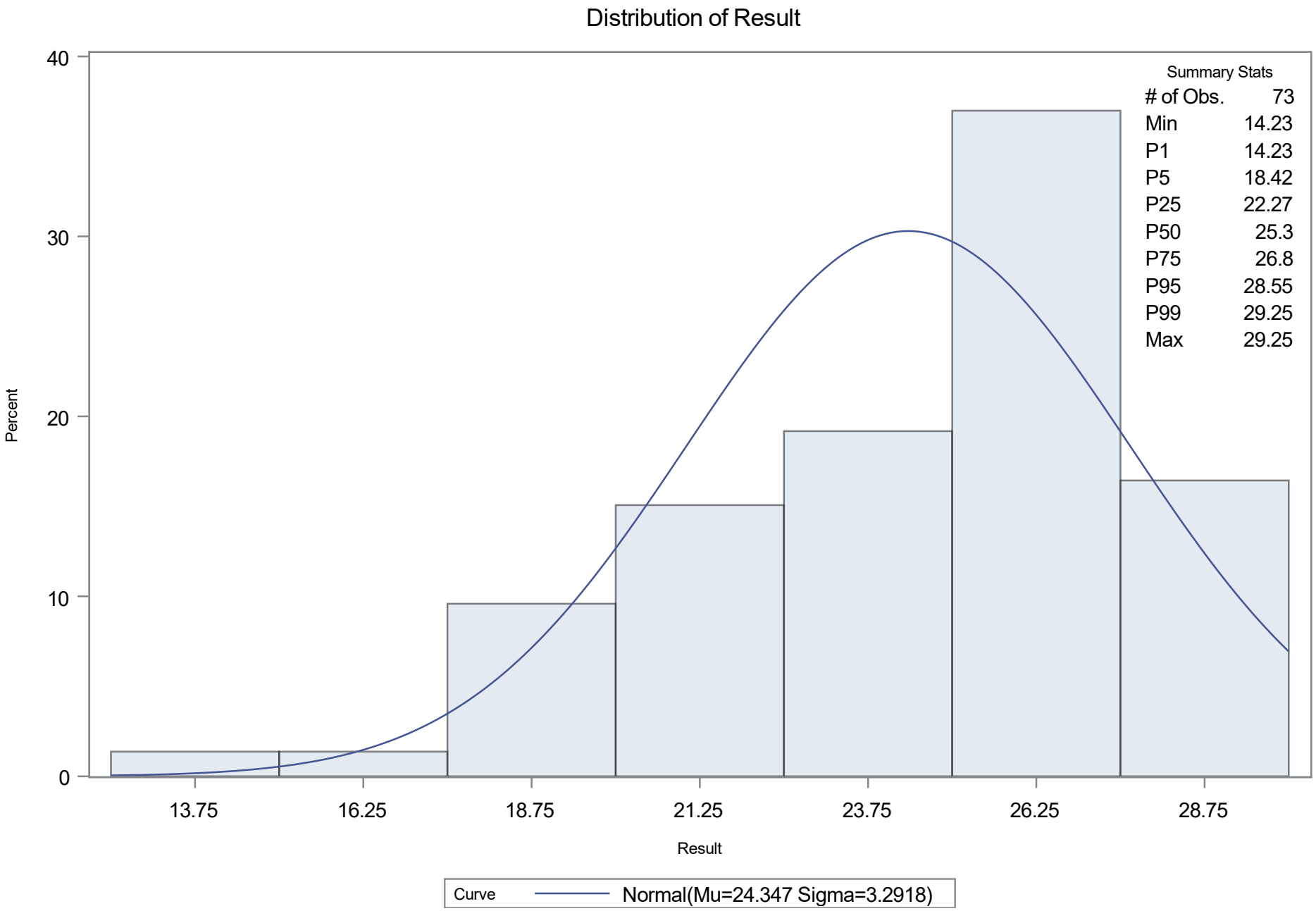
DRAFT

Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.34712
Std Dev	Sigma	3.29176

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13688496	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.28774477	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.62170729	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.2300	16.6893
5.0	18.4200	18.9327
10.0	19.6500	20.1286
25.0	22.2700	22.1269
50.0	25.3000	24.3471
75.0	26.8000	26.5674
90.0	27.9400	28.5657
95.0	28.5500	29.7616
99.0	29.2500	32.0049

Period of Record: January 1996 through December 2023
Analysis Days Only

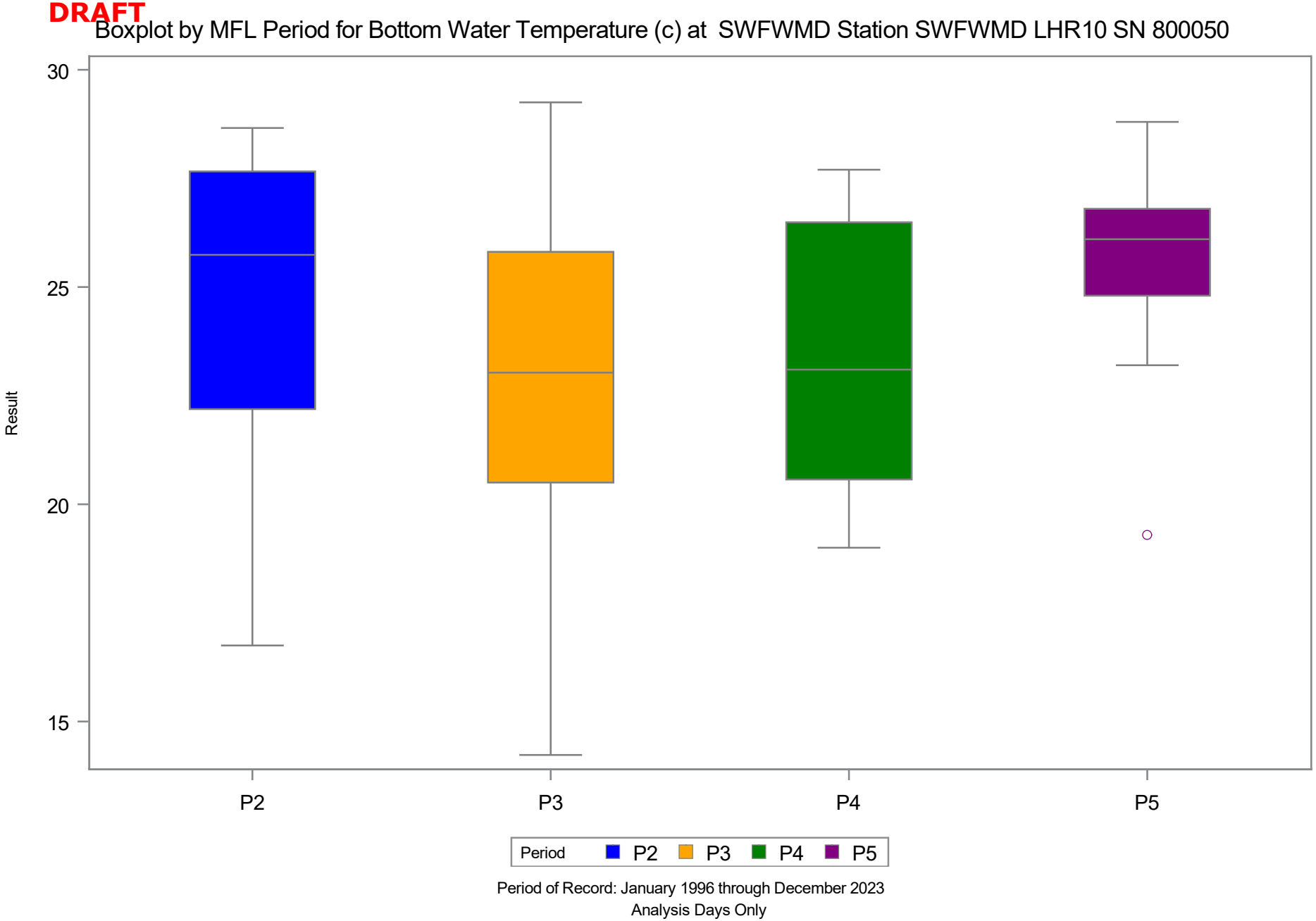
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.75	22.19	24.66	25.74	27.66	28.66
P3	16	14.23	20.50	22.80	23.03	25.81	29.25
P4	14	19.00	20.57	23.50	23.10	26.49	27.70
P5	22	19.30	24.80	25.71	26.10	26.80	28.80

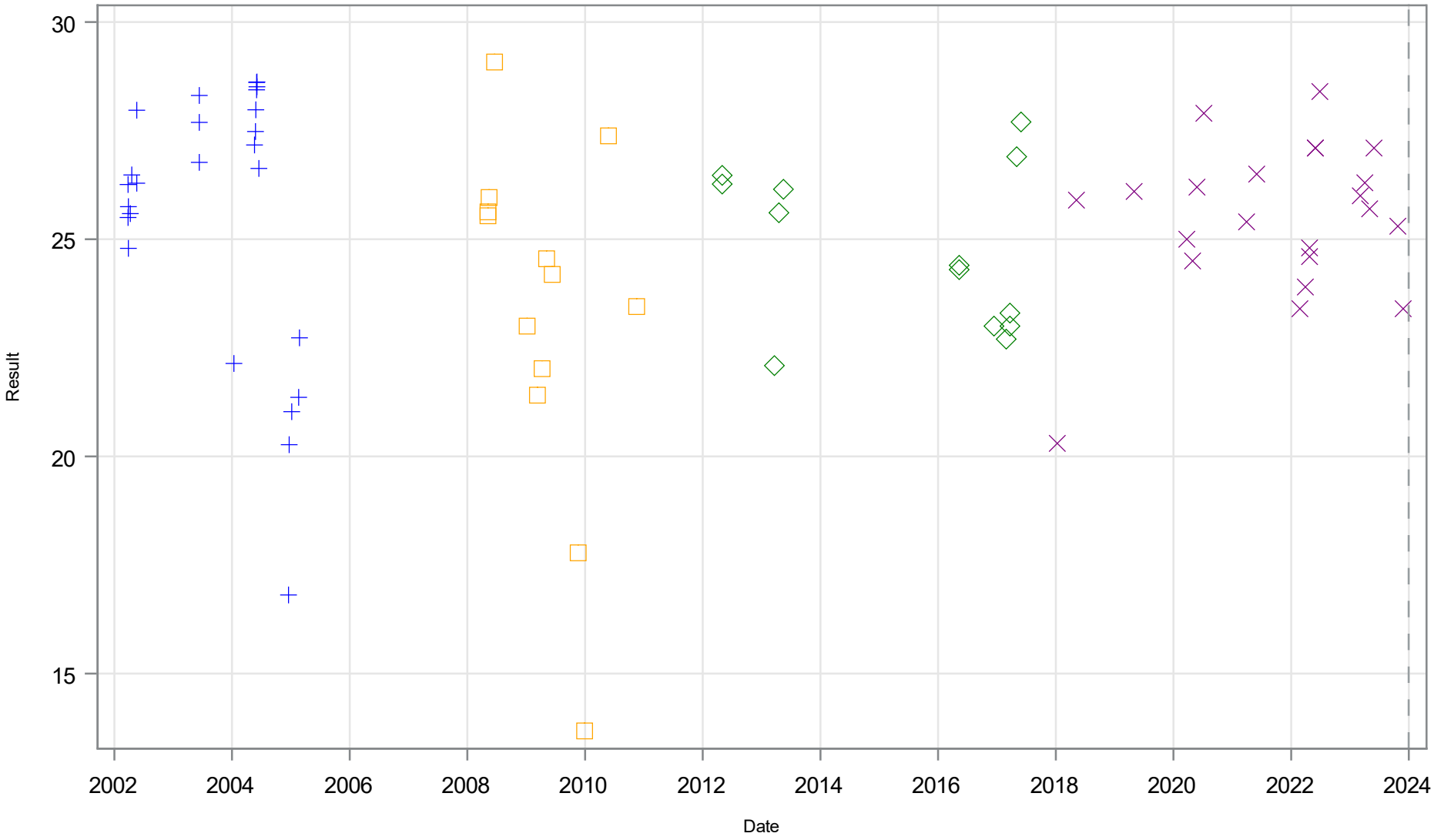
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

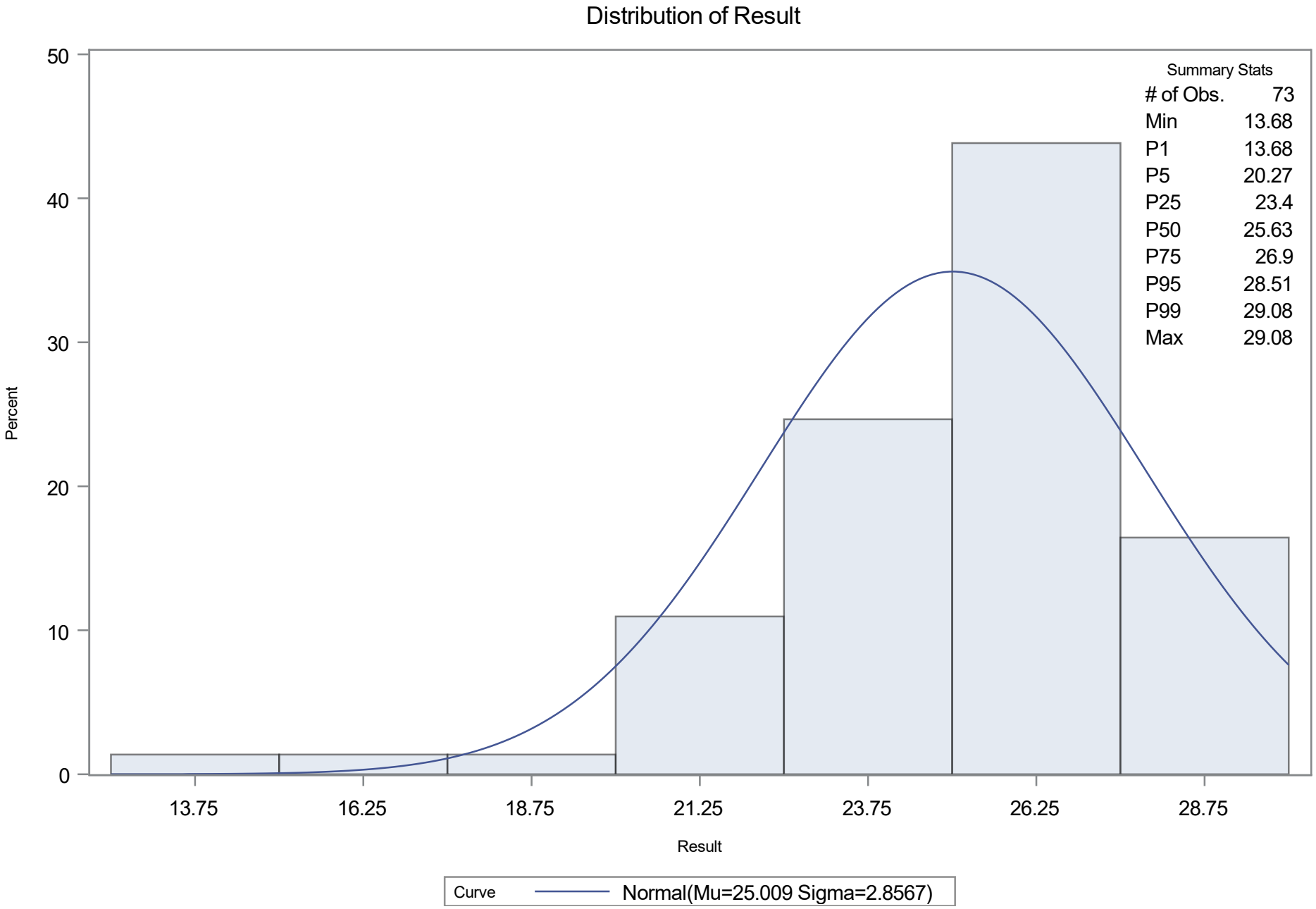
Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.00877
Std Dev	Sigma	2.856678

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12990915	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26292860	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.62704854	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.6800	18.3631
5.0	20.2700	20.3100
10.0	21.4100	21.3478
25.0	23.4000	23.0820
50.0	25.6300	25.0088
75.0	26.9000	26.9356
90.0	27.9800	28.6697
95.0	28.5100	29.7076
99.0	29.0800	31.6544

Period of Record: January 1996 through December 2023
Analysis Days Only

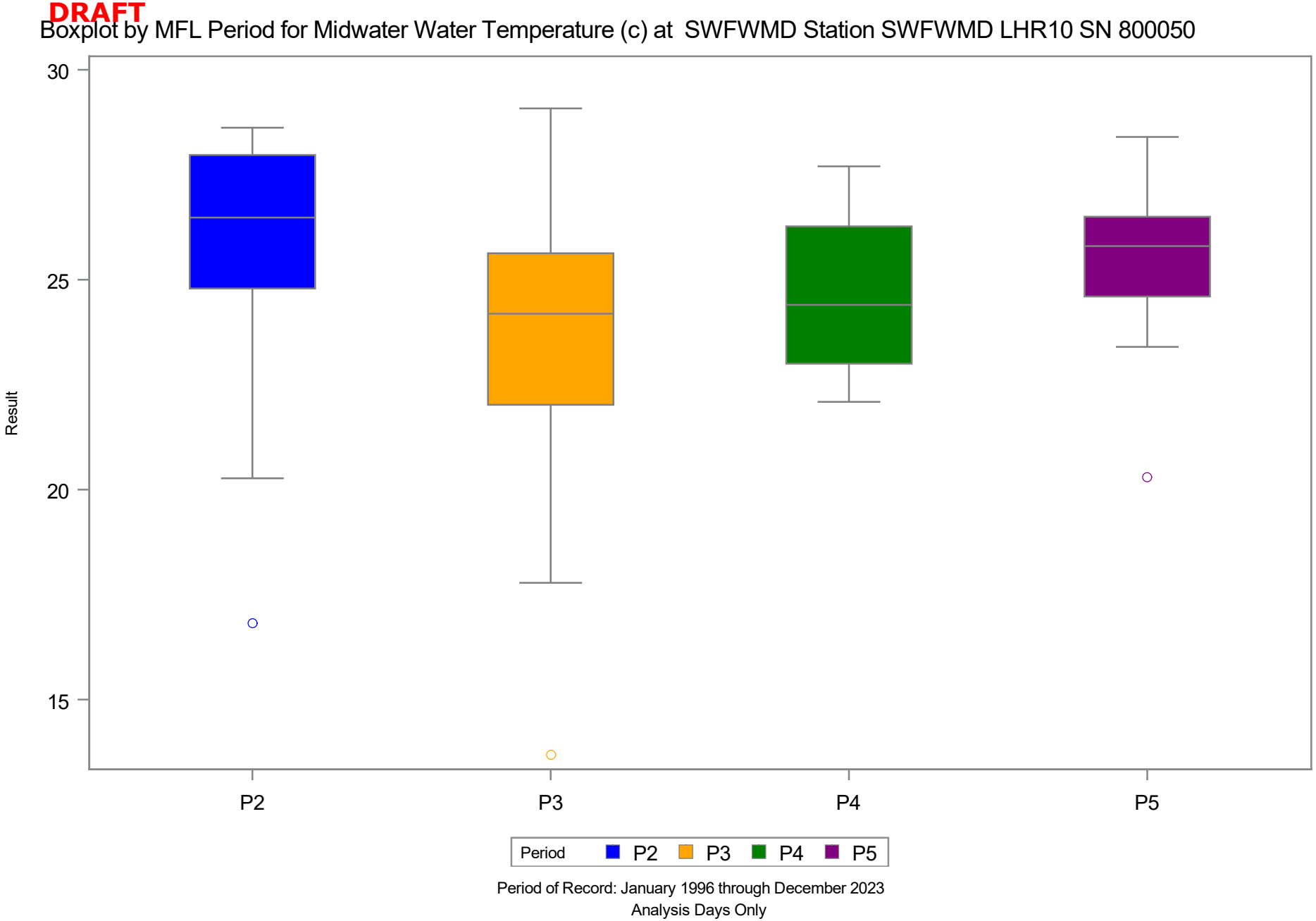
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	16.81	24.79	25.57	26.48	27.97	28.62
P3	13	13.68	22.02	23.36	24.19	25.63	29.08
P4	13	22.09	23.00	24.76	24.40	26.27	27.70
P5	22	20.30	24.60	25.50	25.80	26.50	28.40

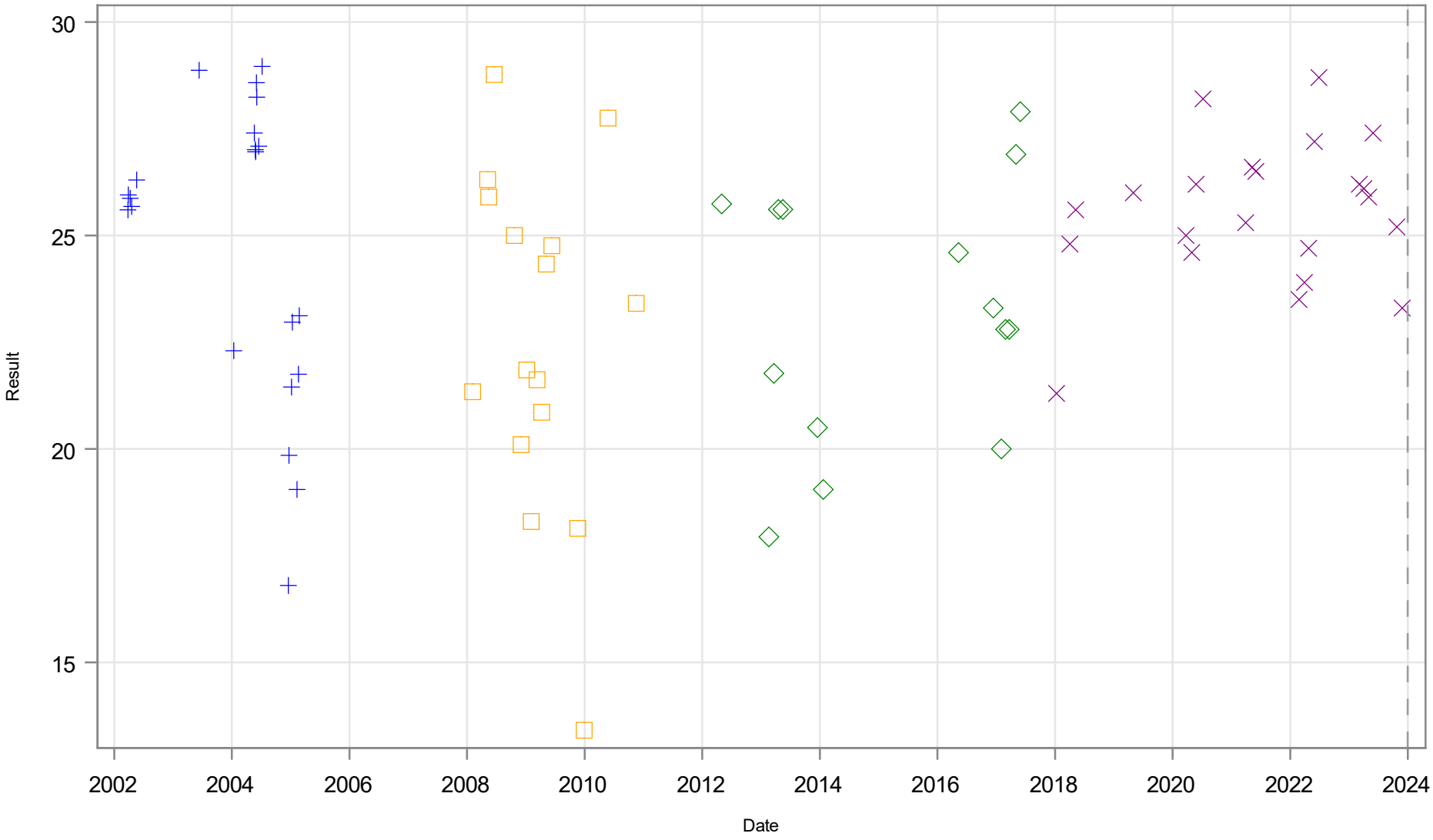
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

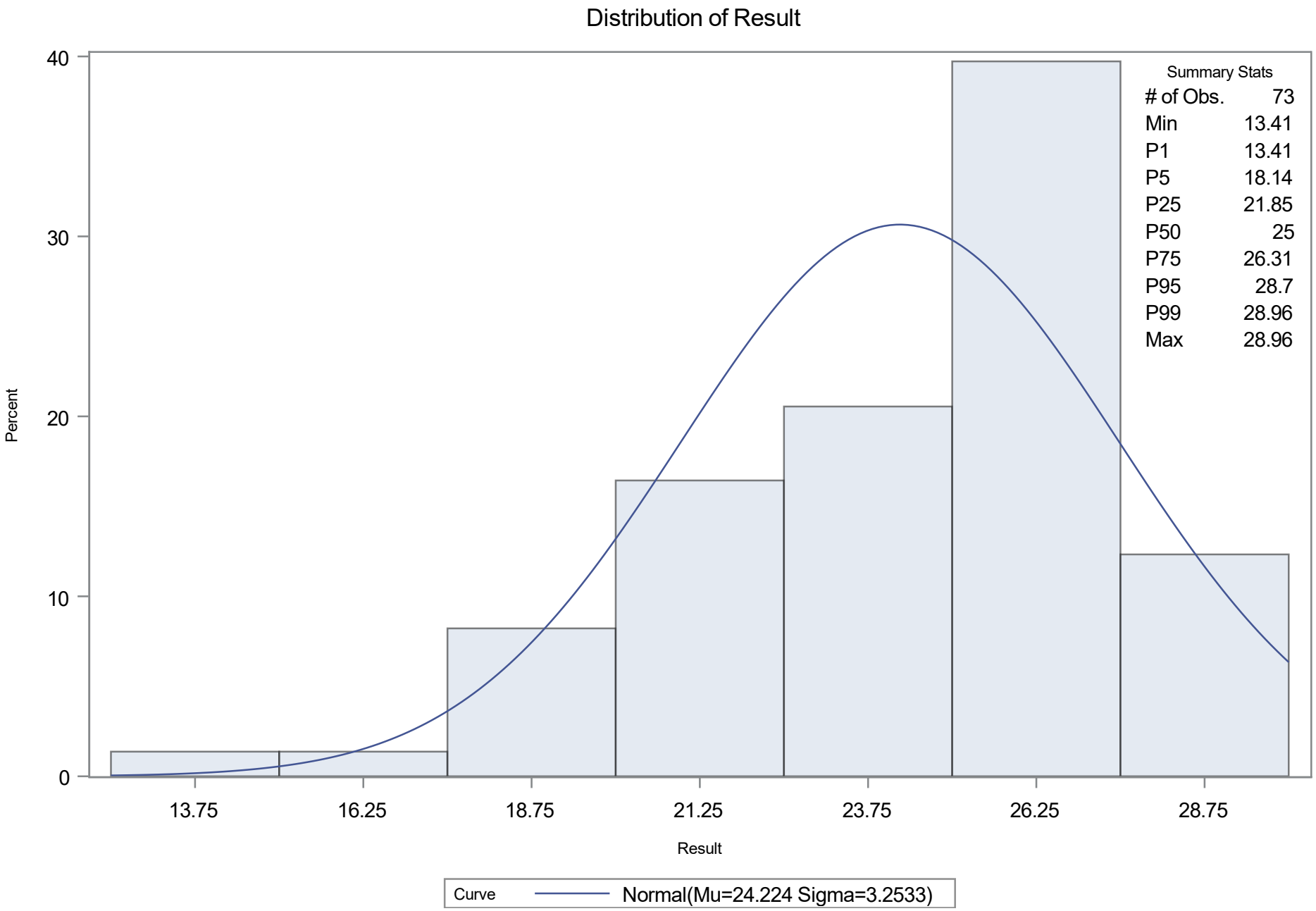
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.22425
Std Dev	Sigma	3.253279

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13501665	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22816850	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.25961064	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.4100	16.6560
5.0	18.1400	18.8731
10.0	19.8500	20.0550
25.0	21.8500	22.0299
50.0	25.0000	24.2242
75.0	26.3100	26.4185
90.0	27.9000	28.3935
95.0	28.7000	29.5754
99.0	28.9600	31.7925

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

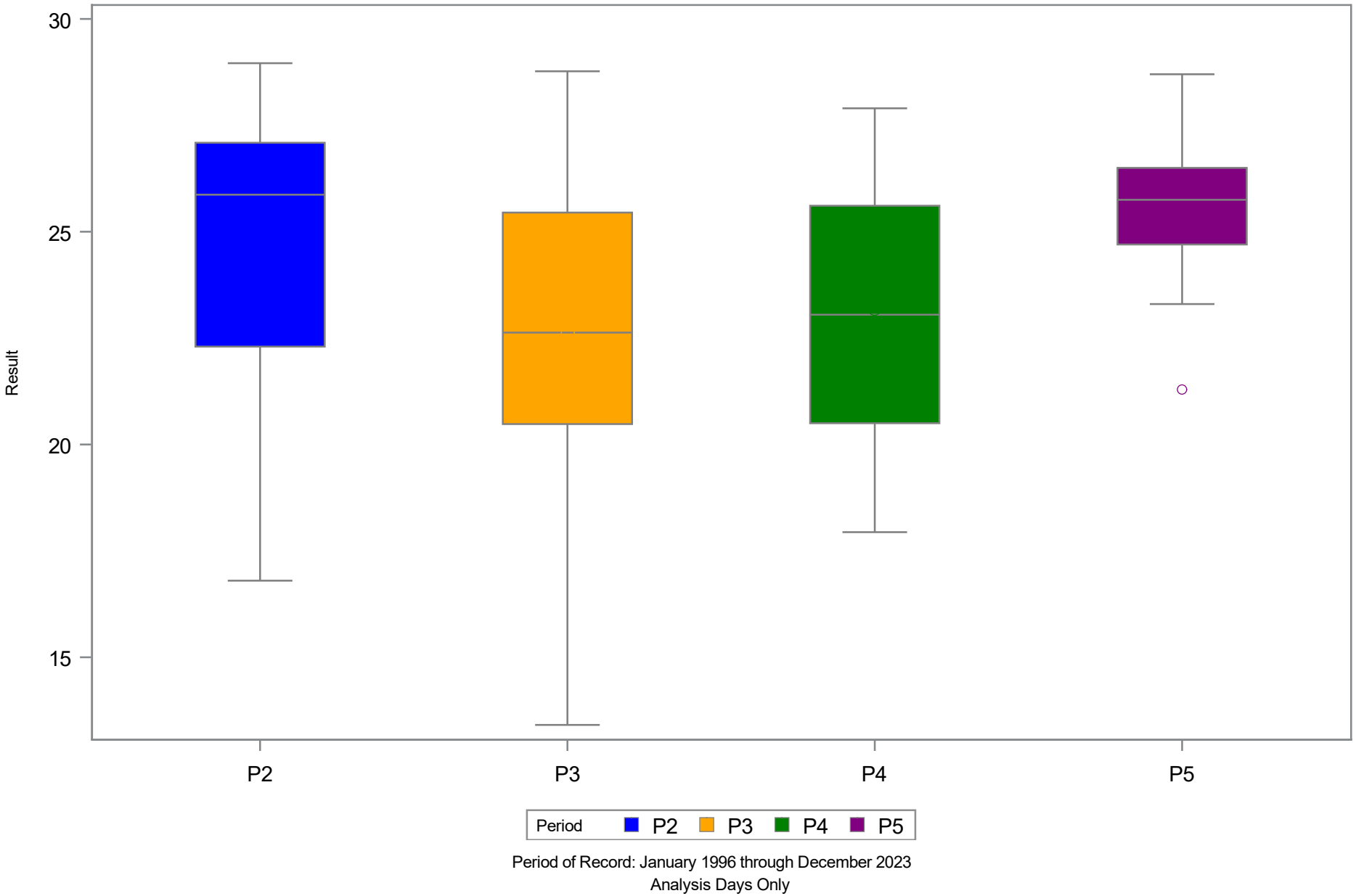
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	16.80	22.30	24.75	25.87	27.09	28.96
P3	16	13.41	20.48	22.62	22.63	25.45	28.77
P4	14	17.94	20.50	23.18	23.05	25.61	27.90
P5	22	21.30	24.70	25.55	25.75	26.50	28.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR10 SN 800050



Period of Record: January 1996 through December 2023
Analysis Days Only

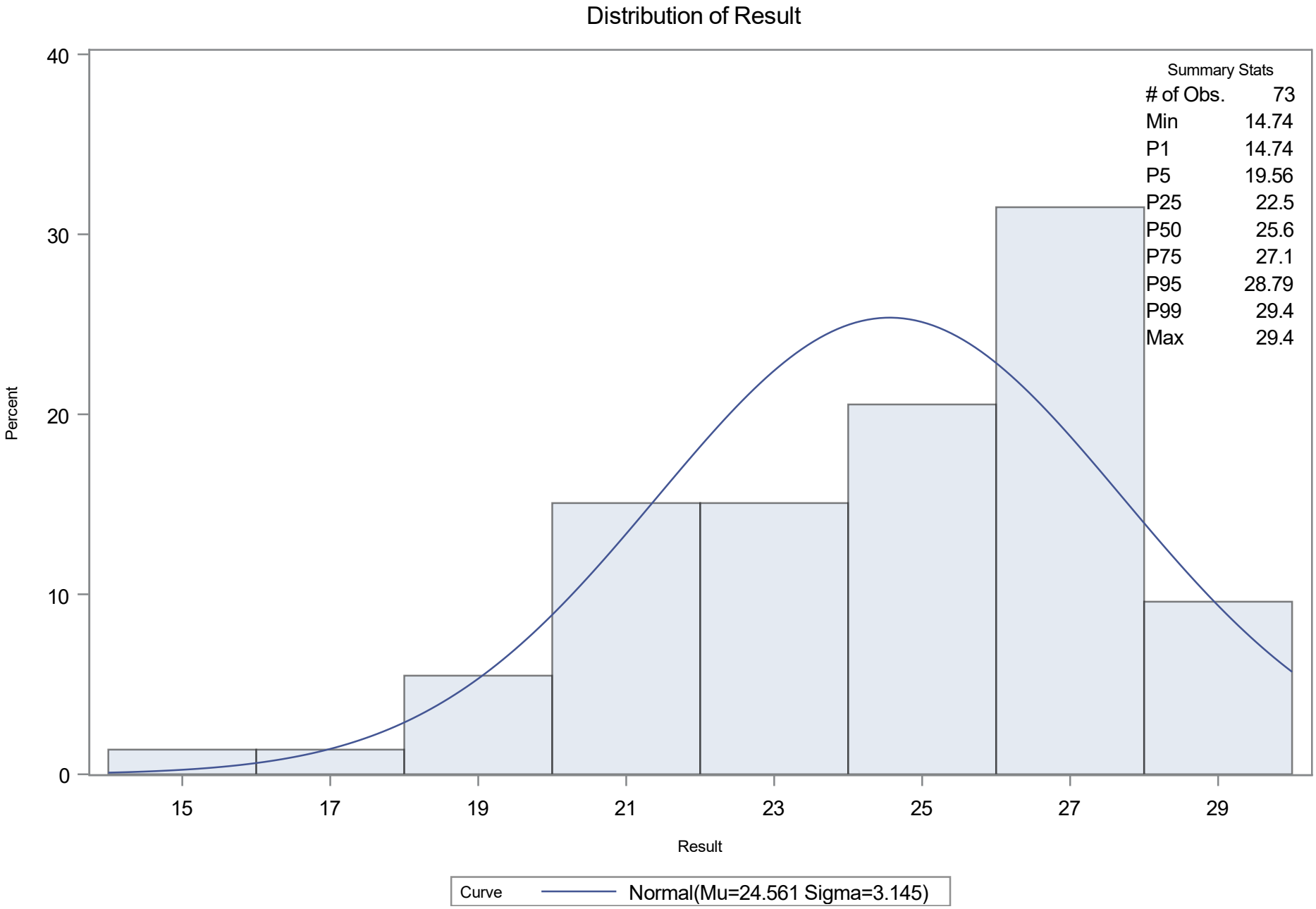
DRAFT

Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.56137
Std Dev	Sigma	3.14504

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13786723	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.26245442	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.46783846	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.7400	17.2449
5.0	19.5600	19.3882
10.0	20.2300	20.5308
25.0	22.5000	22.4401
50.0	25.6000	24.5614
75.0	27.1000	26.6827
90.0	27.9100	28.5919
95.0	28.7900	29.7345
99.0	29.4000	31.8778

Period of Record: January 1996 through December 2023
Analysis Days Only

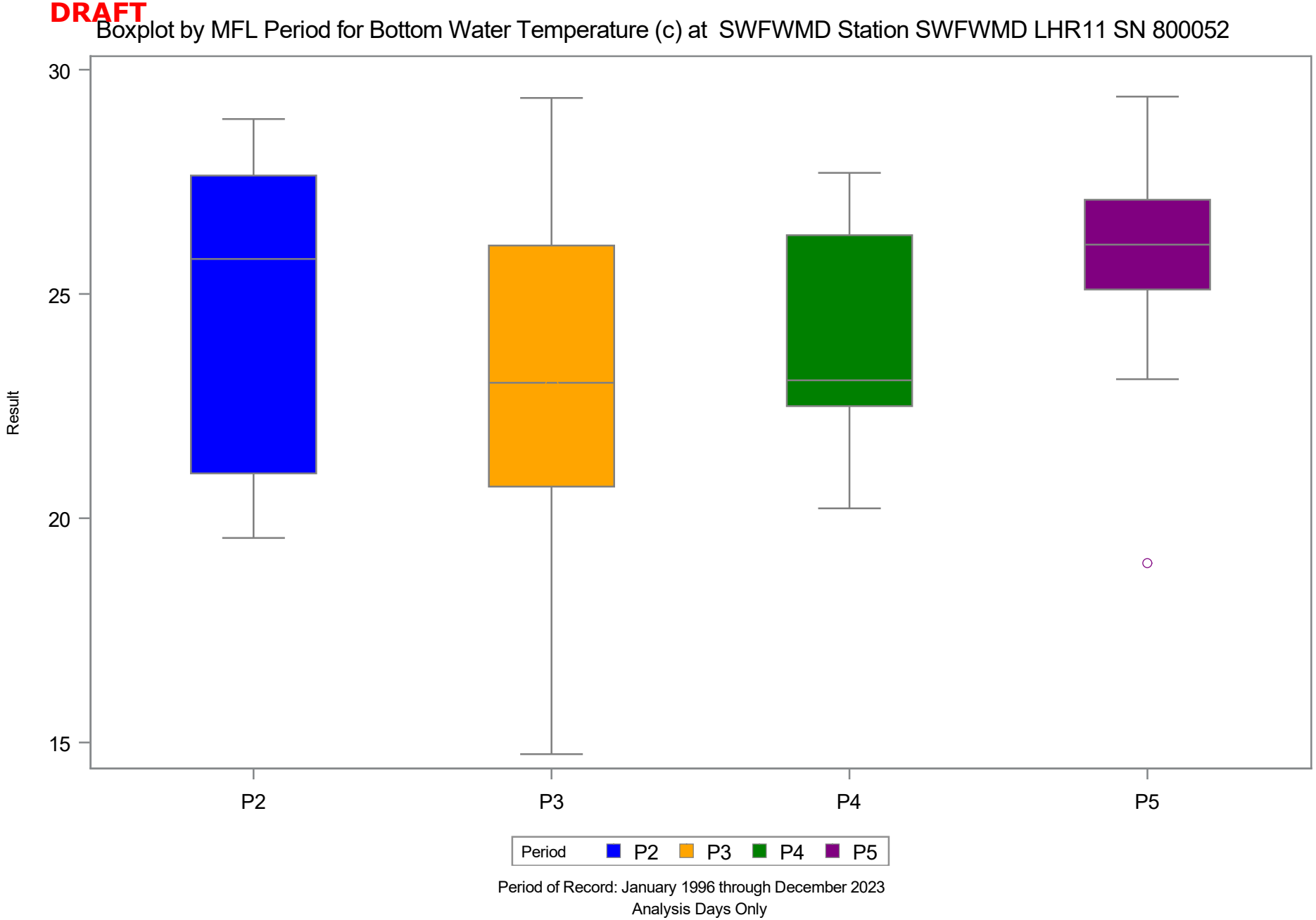
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052

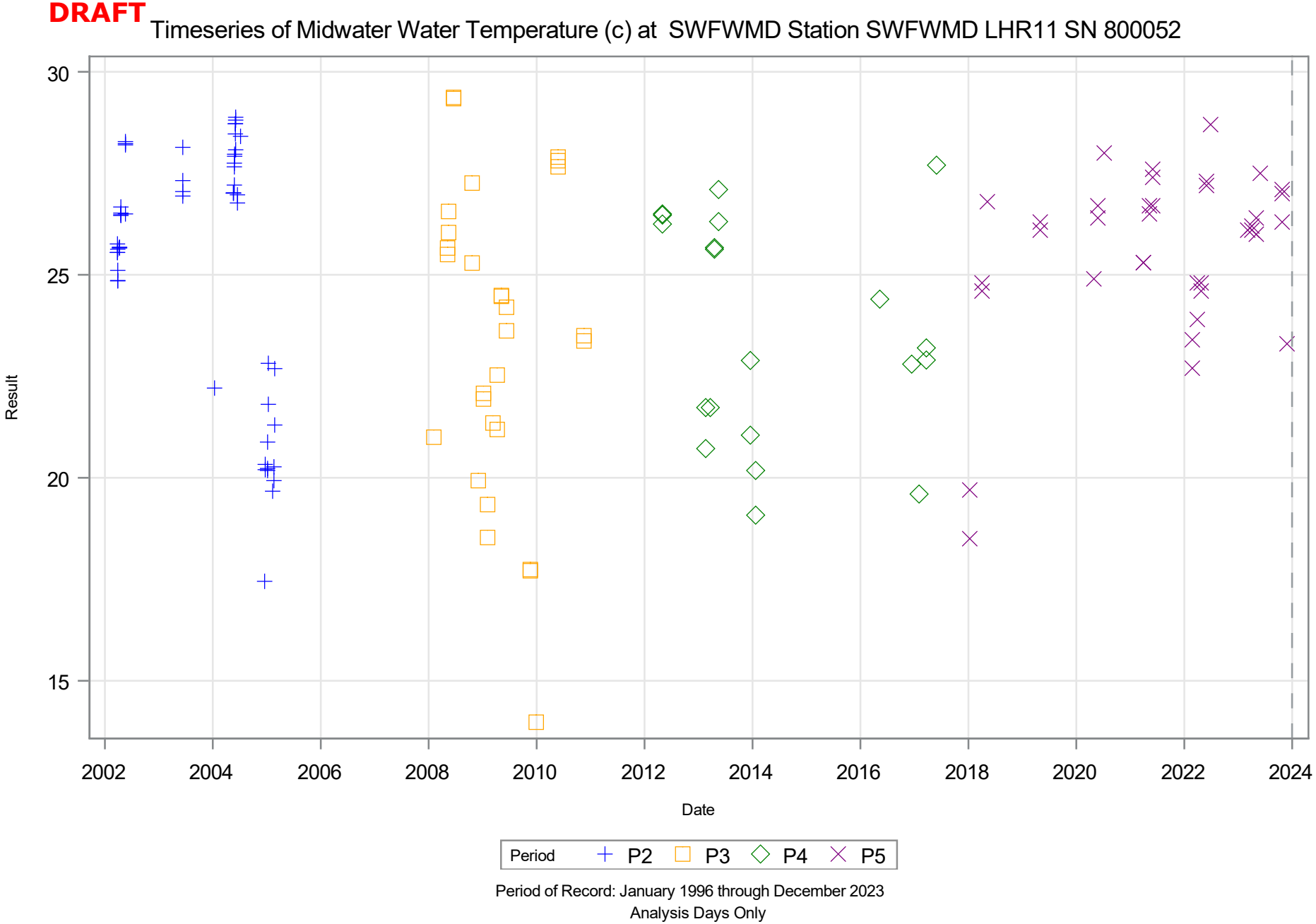
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	19.56	21.00	24.74	25.78	27.64	28.90
P3	16	14.74	20.71	22.98	23.02	26.08	29.37
P4	14	20.22	22.50	24.00	23.08	26.31	27.70
P5	22	19.00	25.10	25.90	26.10	27.10	29.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

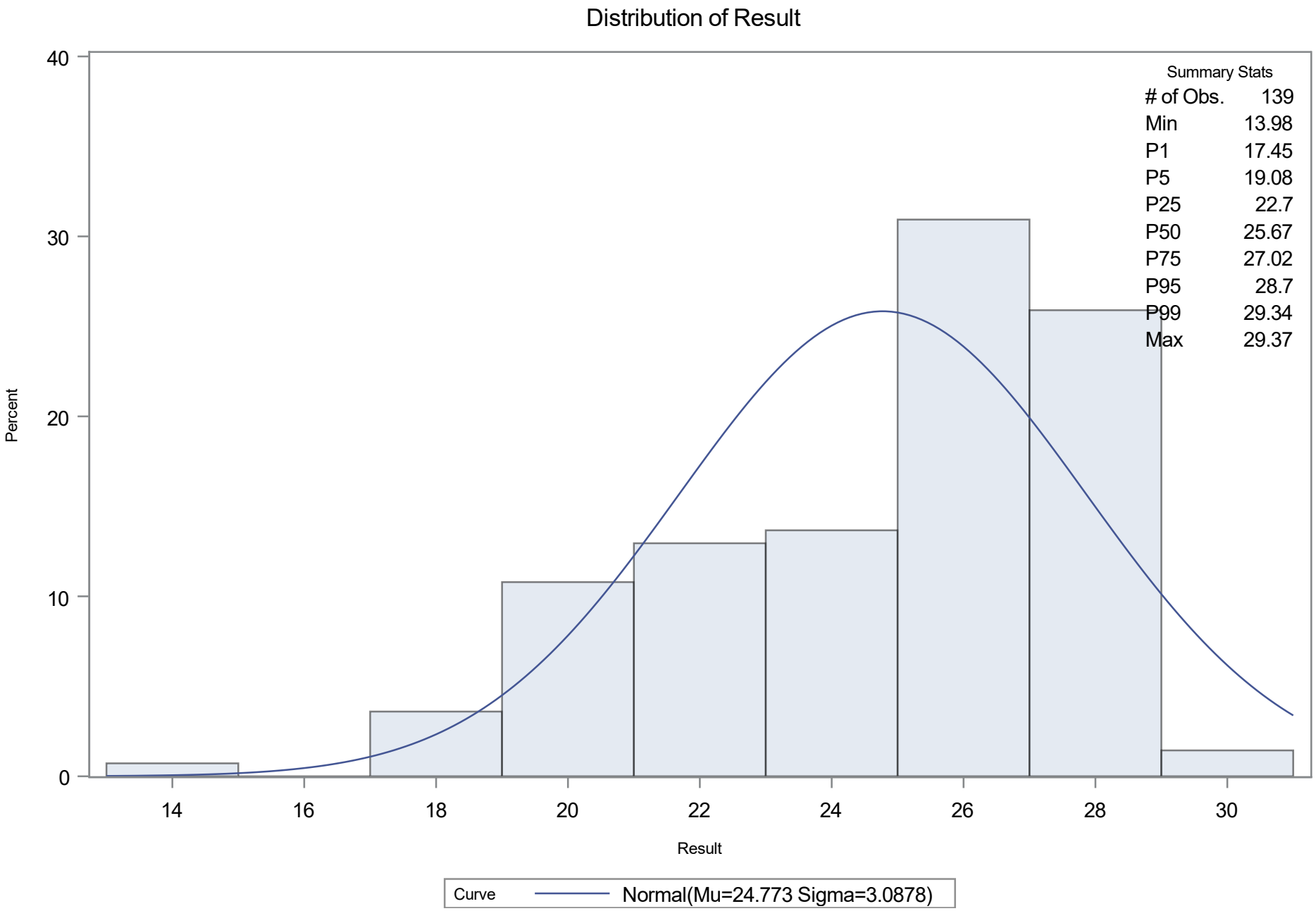

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.77288
Std Dev	Sigma	3.087796

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14703974	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.69869225	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.80029185	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.4500	17.5896
5.0	19.0800	19.6939
10.0	20.1800	20.8157
25.0	22.7000	22.6902
50.0	25.6700	24.7729
75.0	27.0200	26.8556
90.0	28.0800	28.7300
95.0	28.7000	29.8519
99.0	29.3400	31.9562

Period of Record: January 1996 through December 2023
Analysis Days Only

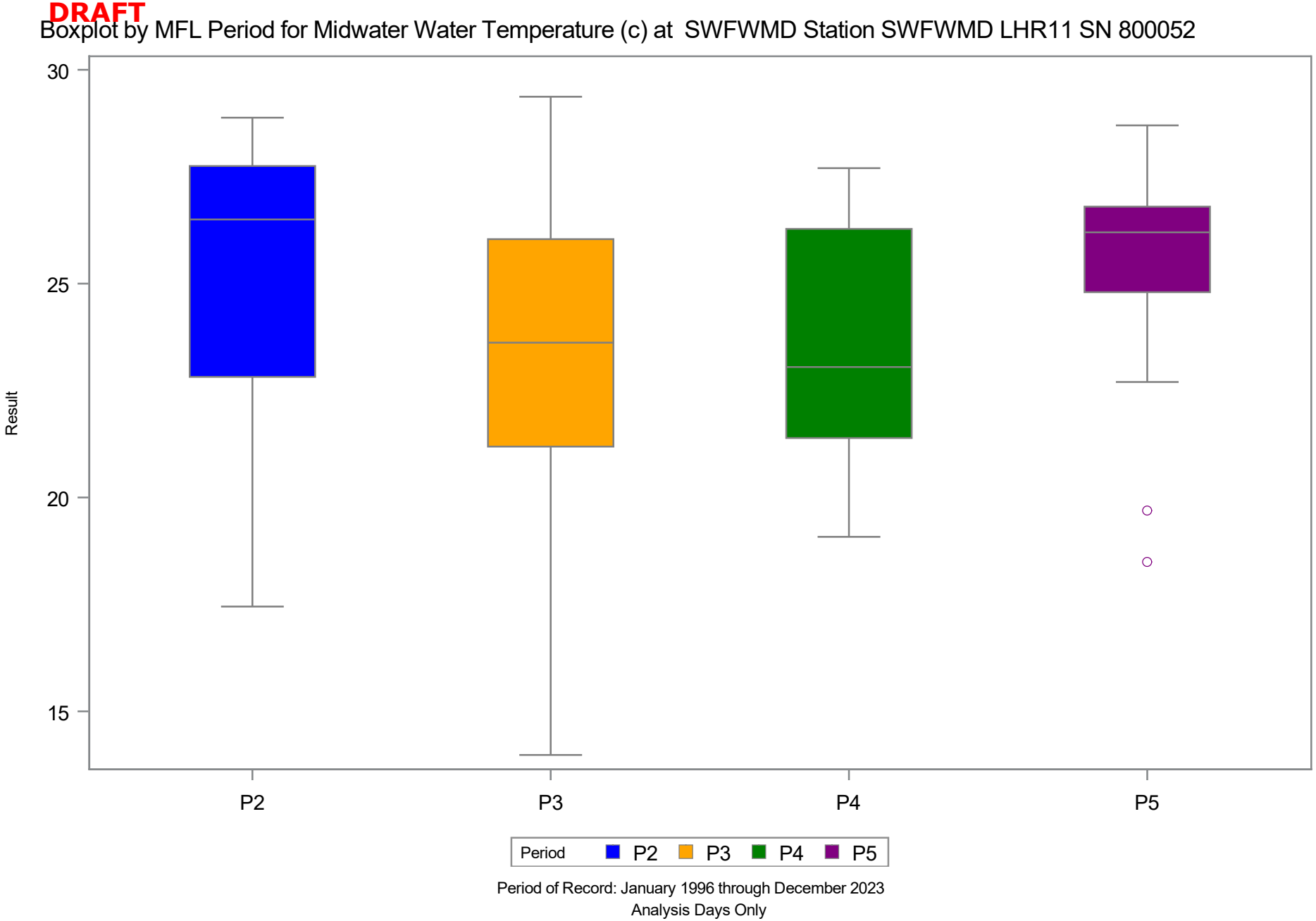
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	53	17.45	22.82	25.37	26.50	27.75	28.88
P3	29	13.98	21.19	23.43	23.62	26.04	29.37
P4	20	19.08	21.39	23.60	23.05	26.28	27.70
P5	37	18.50	24.80	25.61	26.20	26.80	28.70

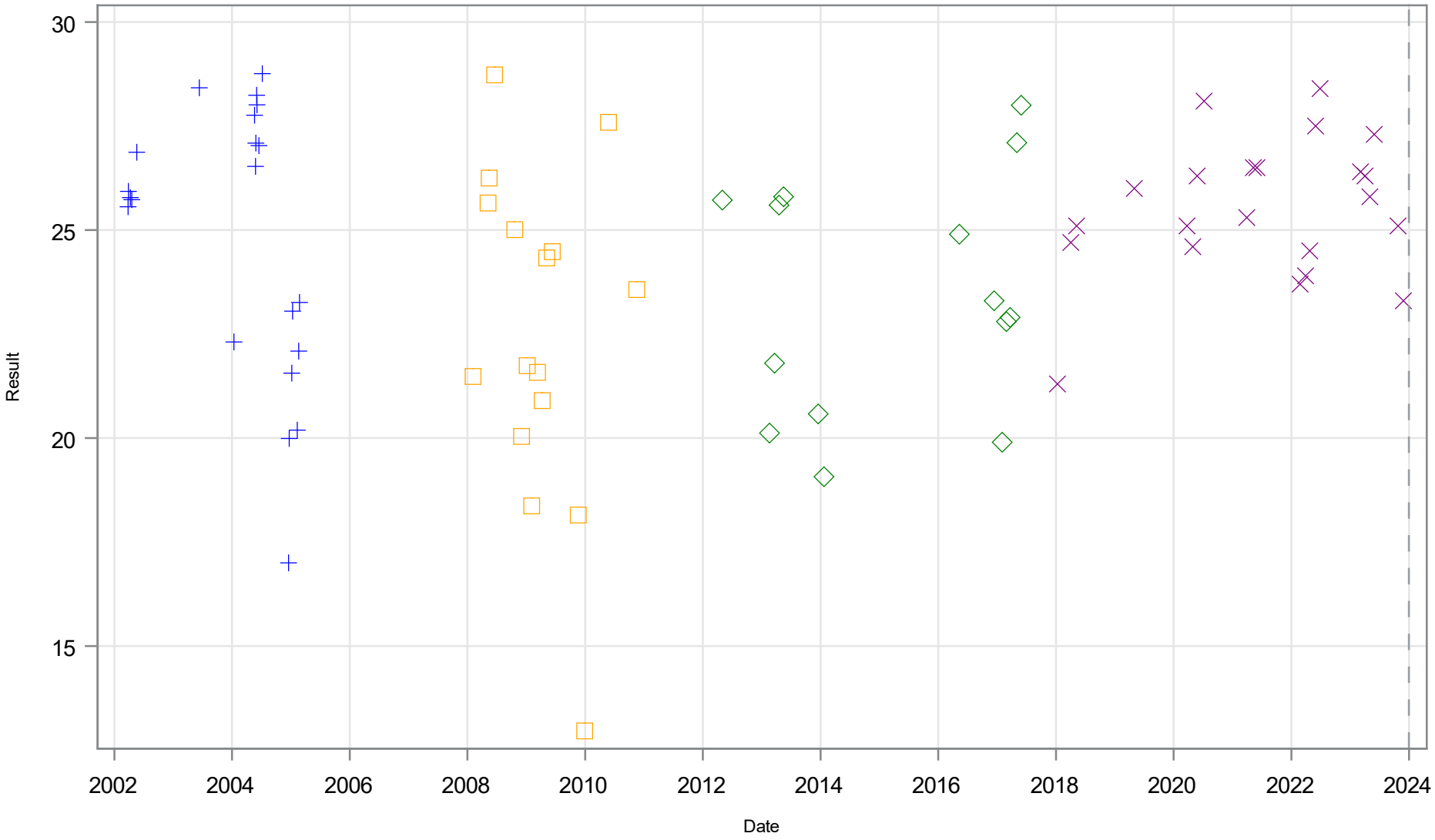
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

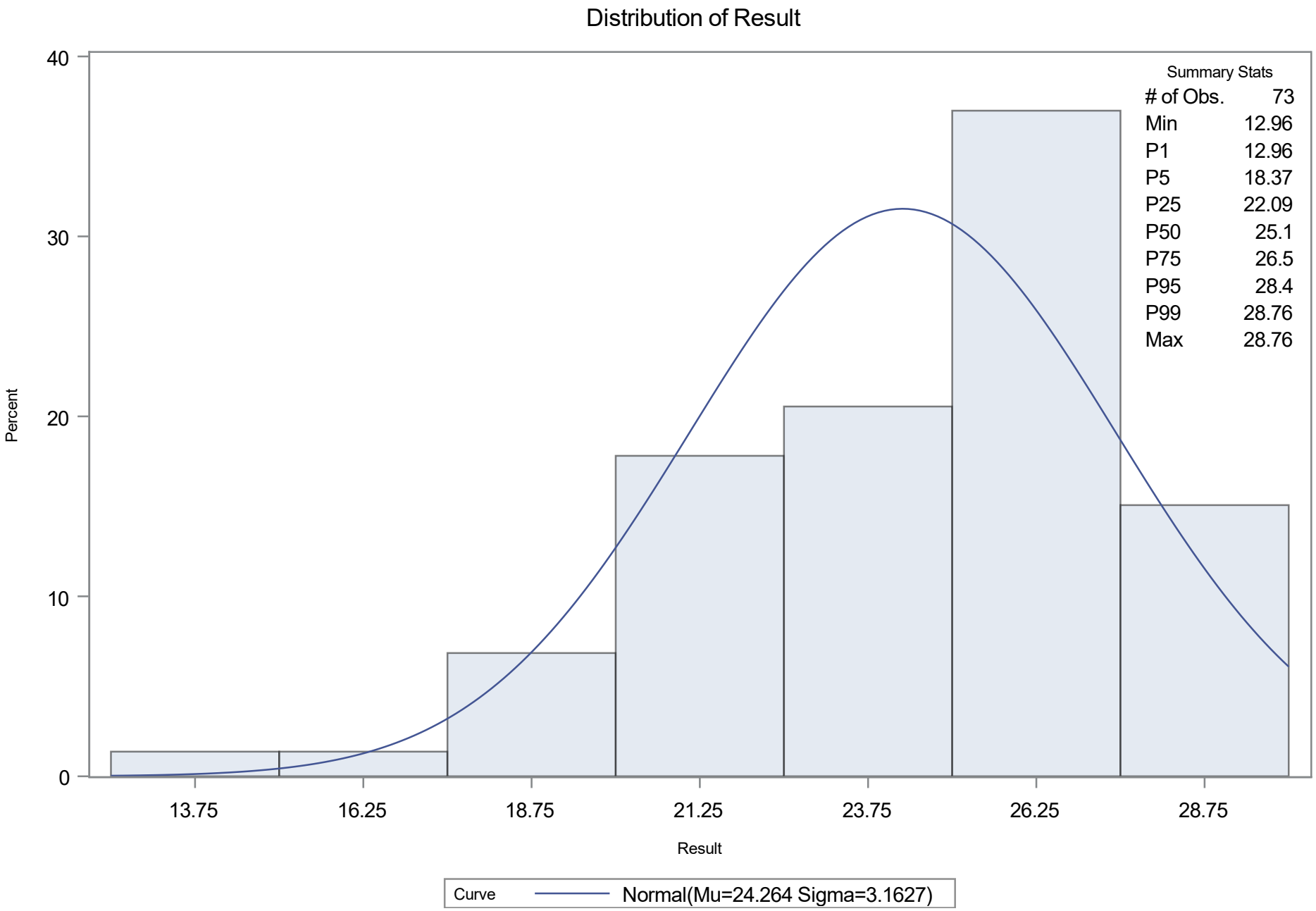
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.26411
Std Dev	Sigma	3.162715

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11625220	**Pr > D**	0.016
Cramer-von Mises	**W-Sq**	0.20407913	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.17561360	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.9600	16.9065
5.0	18.3700	19.0619
10.0	20.0400	20.2109
25.0	22.0900	22.1309
50.0	25.1000	24.2641
75.0	26.5000	26.3973
90.0	28.0000	28.3173
95.0	28.4000	29.4663
99.0	28.7600	31.6217

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

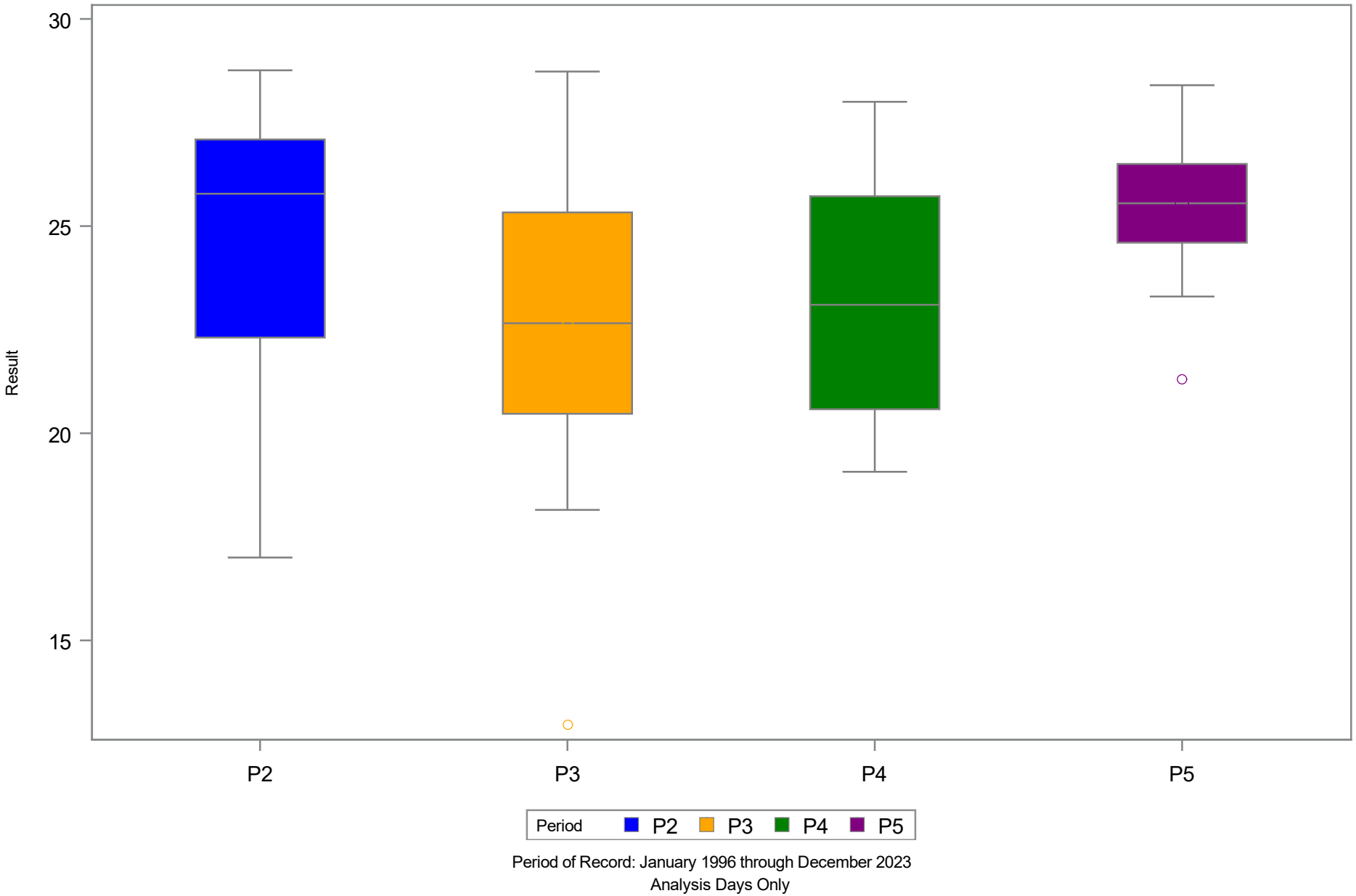
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	17.00	22.31	24.82	25.78	27.09	28.76
P3	16	12.96	20.47	22.55	22.66	25.33	28.73
P4	14	19.07	20.58	23.40	23.10	25.72	28.00
P5	22	21.30	24.60	25.53	25.55	26.50	28.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR11 SN 800052



Period of Record: January 1996 through December 2023
Analysis Days Only

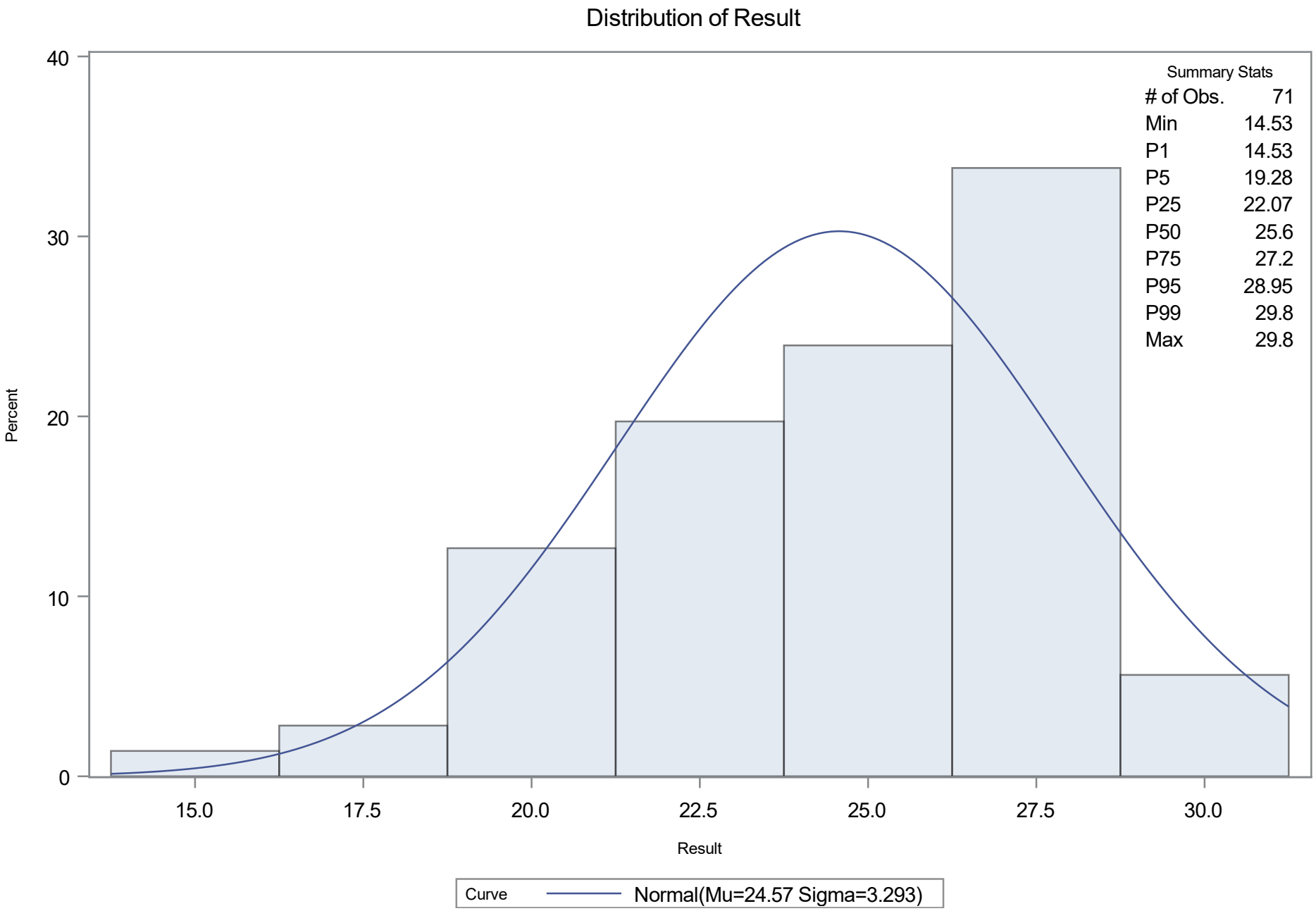
DRAFT

Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.56972
Std Dev	Sigma	3.293006

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13351114	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.22411952	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.25310681	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.5300	16.9090
5.0	19.2800	19.1532
10.0	20.0000	20.3496
25.0	22.0700	22.3486
50.0	25.6000	24.5697
75.0	27.2000	26.7908
90.0	28.1900	28.7899
95.0	28.9500	29.9862
99.0	29.8000	32.2304

Period of Record: January 1996 through December 2023
Analysis Days Only

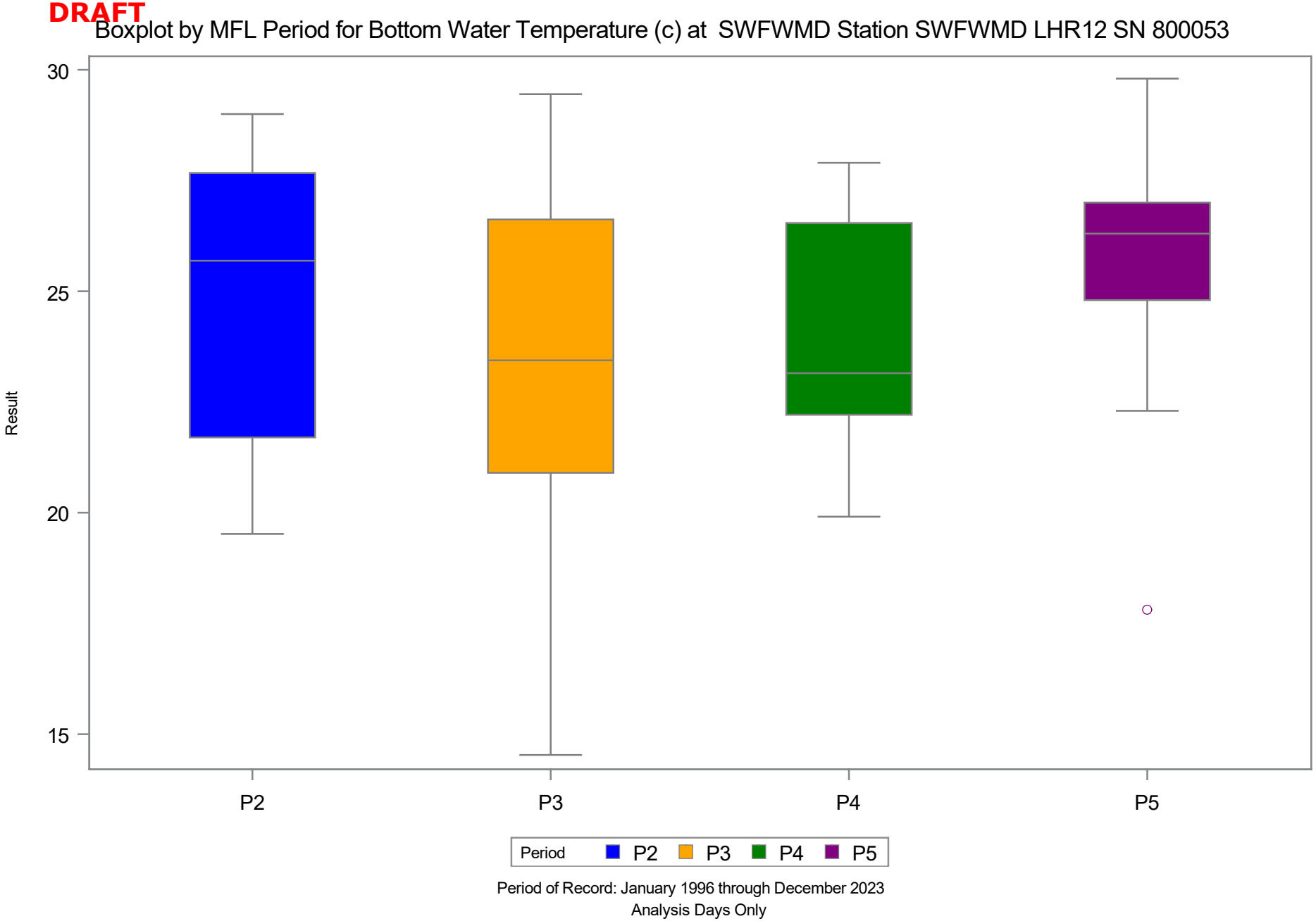
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	19.52	21.70	24.76	25.69	27.67	29.00
P3	15	14.53	20.90	23.14	23.44	26.62	29.45
P4	14	19.91	22.21	23.89	23.15	26.54	27.90
P5	21	17.80	24.80	25.86	26.30	27.00	29.80

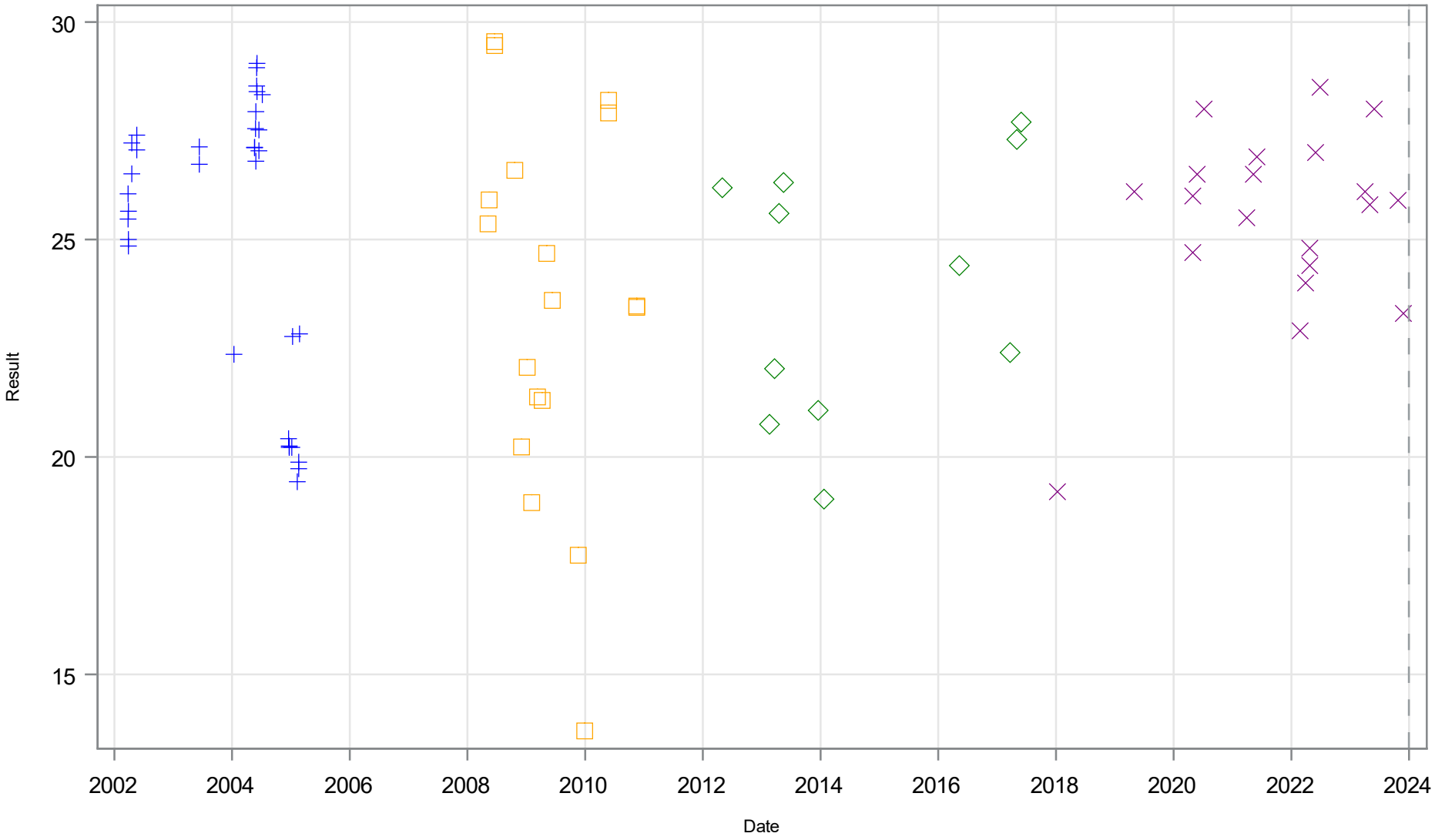
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

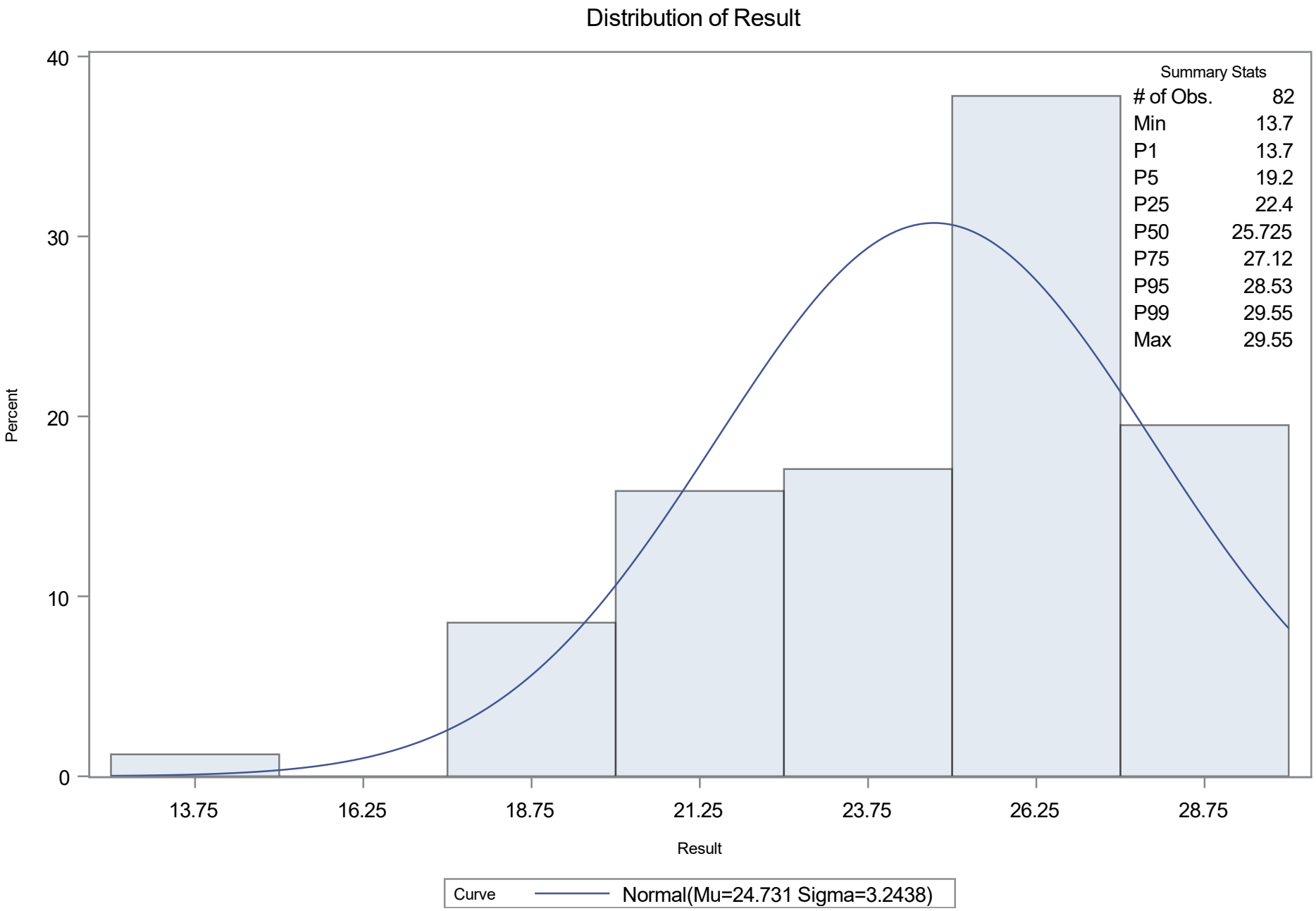
Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.73085
Std Dev	Sigma	3.243828

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13890386	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.34803708	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.93556948	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.7000	17.1846
5.0	19.2000	19.3952
10.0	20.2200	20.5737
25.0	22.4000	22.5429
50.0	25.7250	24.7309
75.0	27.1200	26.9188
90.0	28.2000	28.8880
95.0	28.5300	30.0665
99.0	29.5500	32.2771

Period of Record: January 1996 through December 2023
Analysis Days Only

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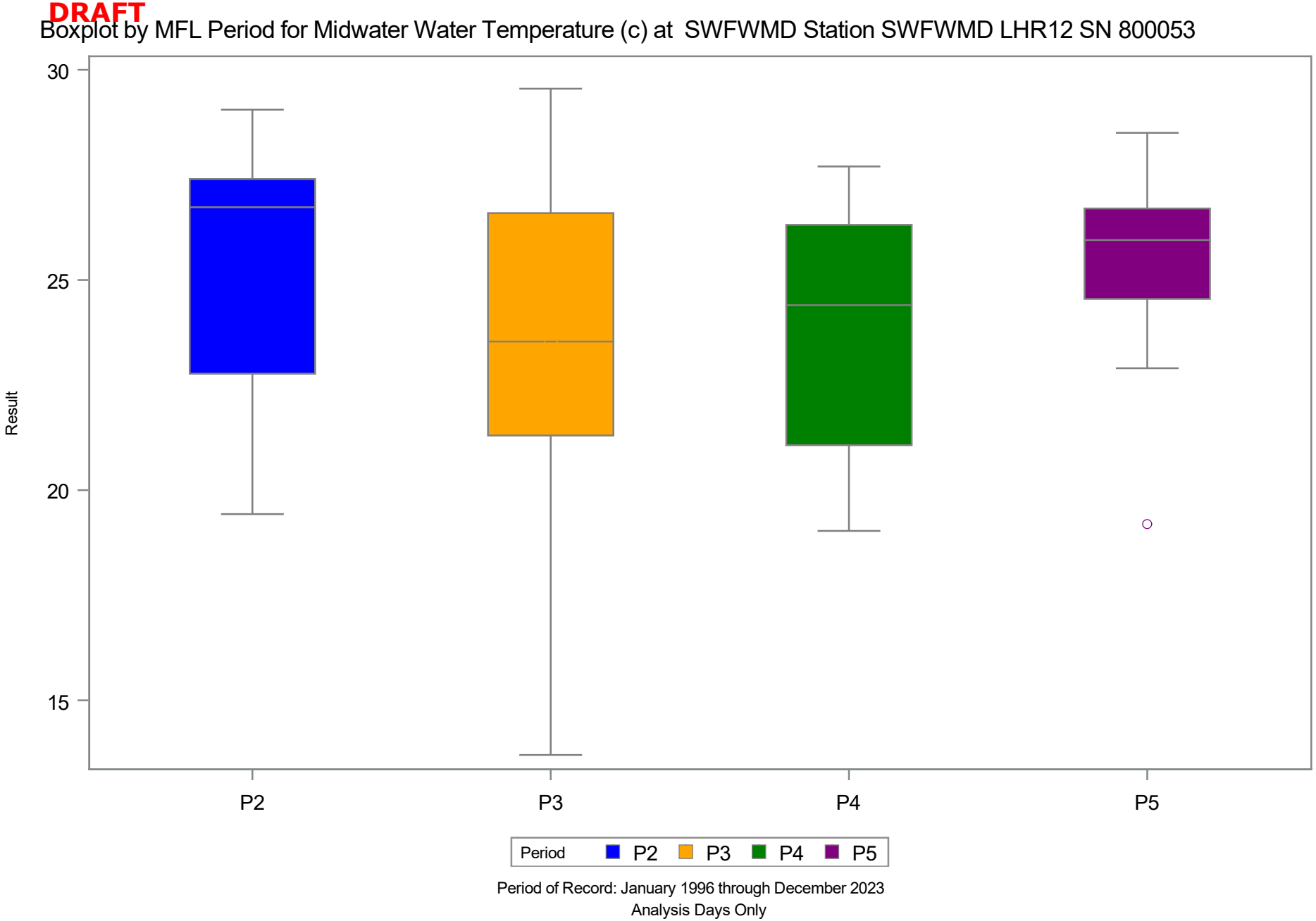
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

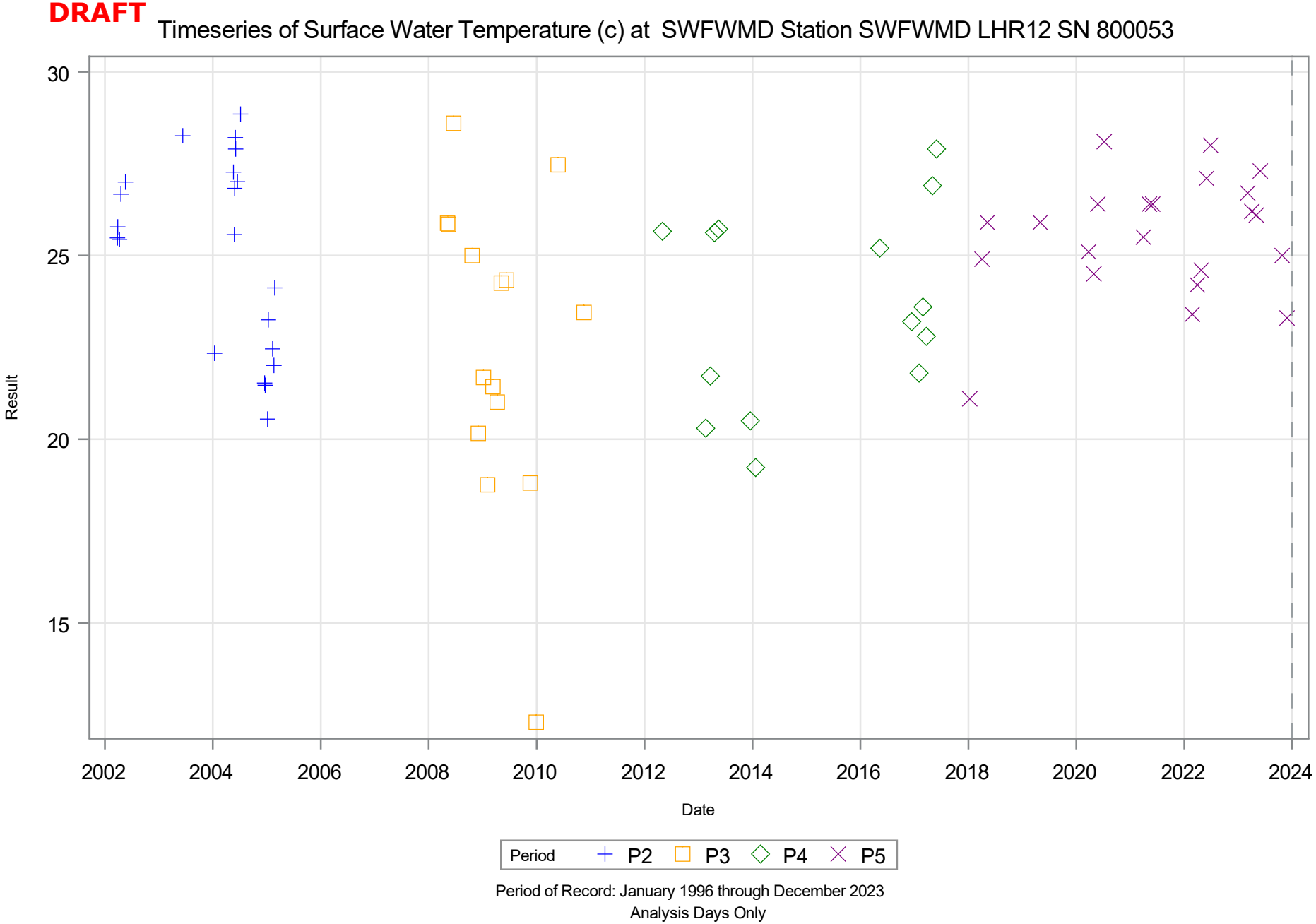
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	33	19.43	22.77	25.20	26.73	27.40	29.05
P3	18	13.70	21.30	23.53	23.54	26.59	29.55
P4	11	19.03	21.07	23.89	24.40	26.31	27.70
P5	20	19.20	24.55	25.51	25.95	26.70	28.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

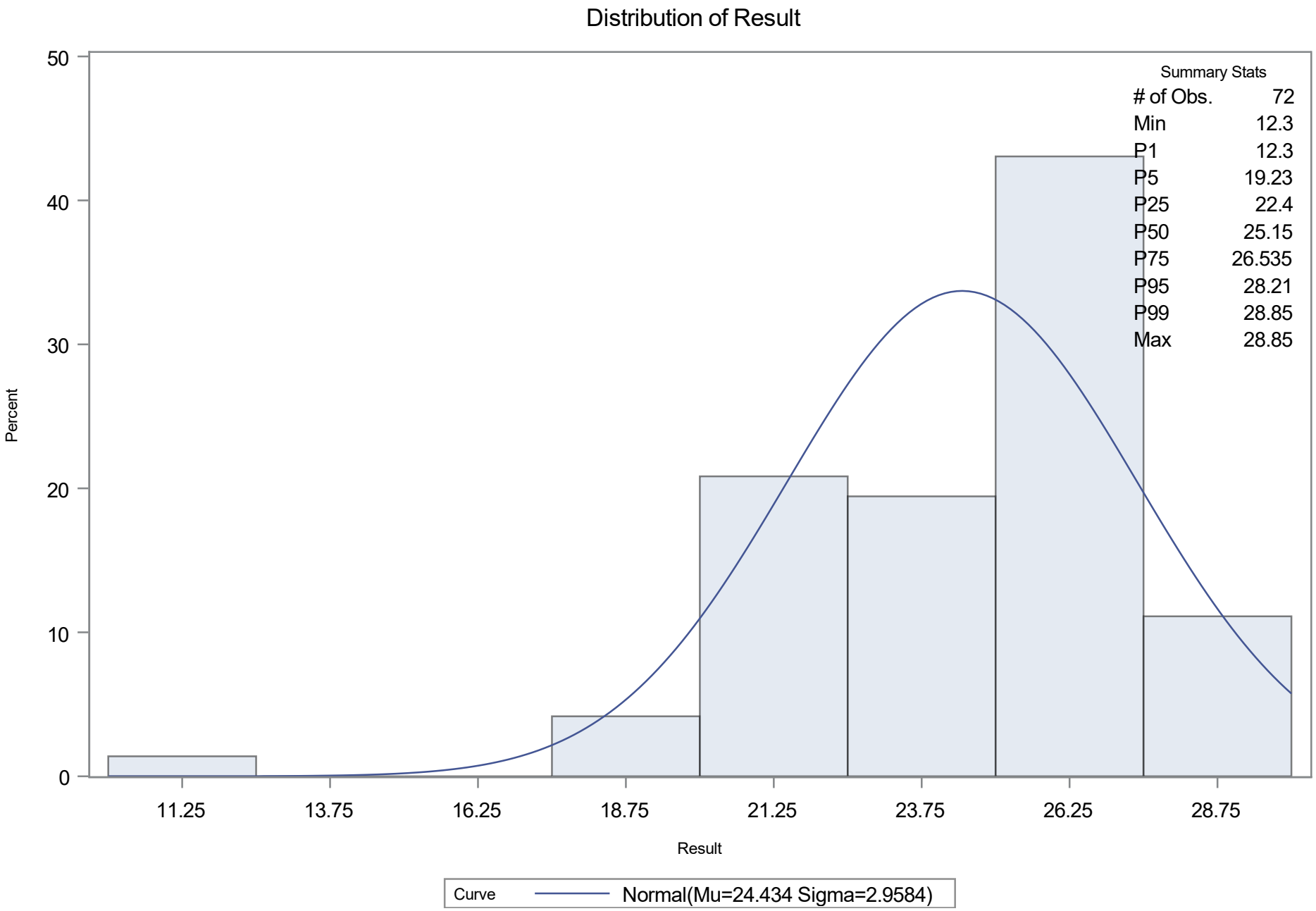

Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.43375
Std Dev	Sigma	2.958404

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11923283	**Pr > D**	0.012
Cramer-von Mises	**W-Sq**	0.19751097	**Pr > W-Sq**	0.005
Anderson-Darling	**A-Sq**	1.15654319	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.3000	17.5515
5.0	19.2300	19.5676
10.0	20.5500	20.6424
25.0	22.4000	22.4383
50.0	25.1500	24.4338
75.0	26.5350	26.4292
90.0	27.9000	28.2251
95.0	28.2100	29.2999
99.0	28.8500	31.3160

Period of Record: January 1996 through December 2023
Analysis Days Only

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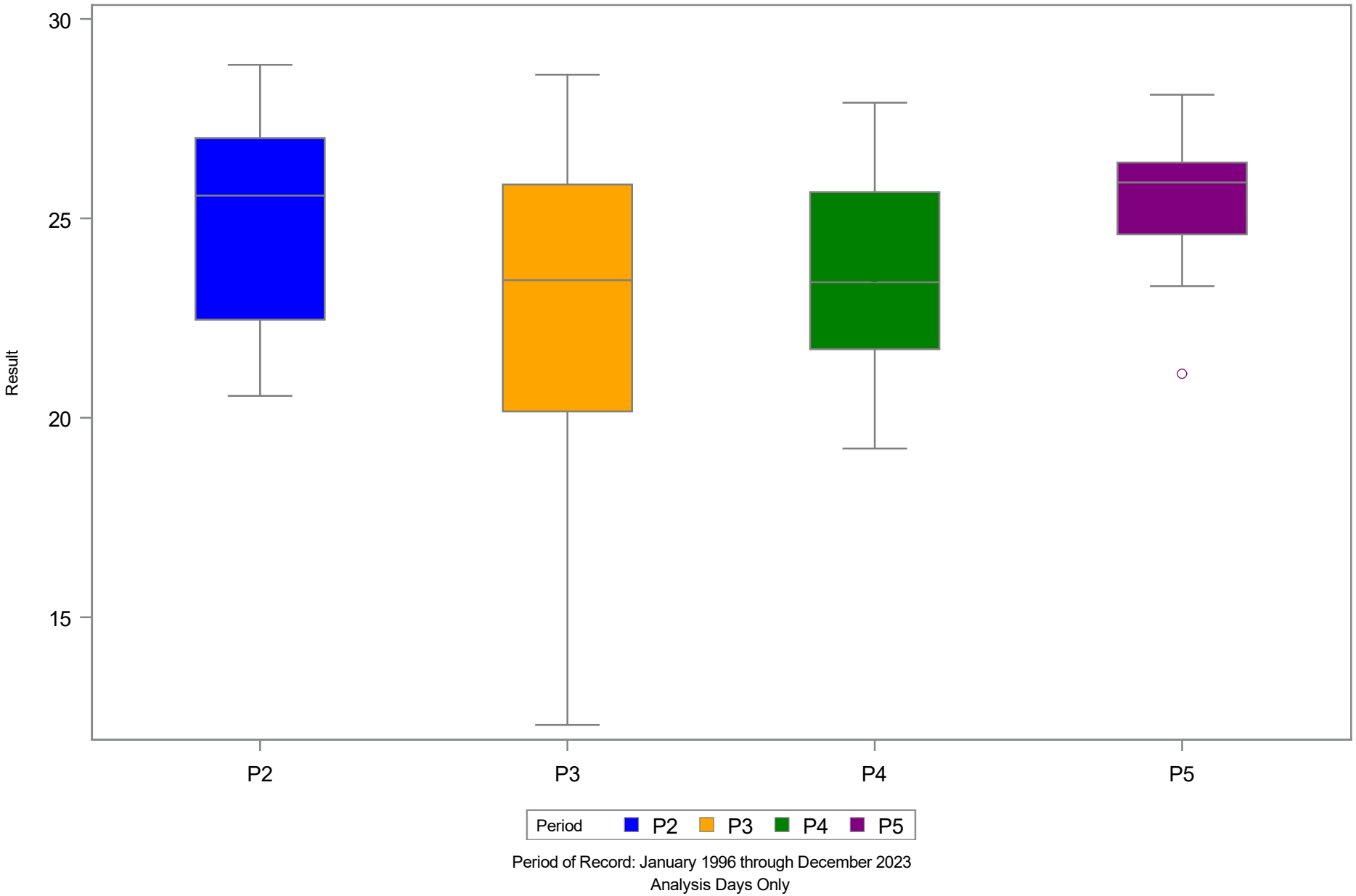
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	20.55	22.46	25.14	25.57	27.01	28.85
P3	15	12.30	20.16	22.60	23.45	25.85	28.60
P4	14	19.23	21.72	23.58	23.40	25.66	27.90
P5	22	21.10	24.60	25.55	25.90	26.40	28.10

Period of Record: January 1996 through December 2023
Analysis Days Only

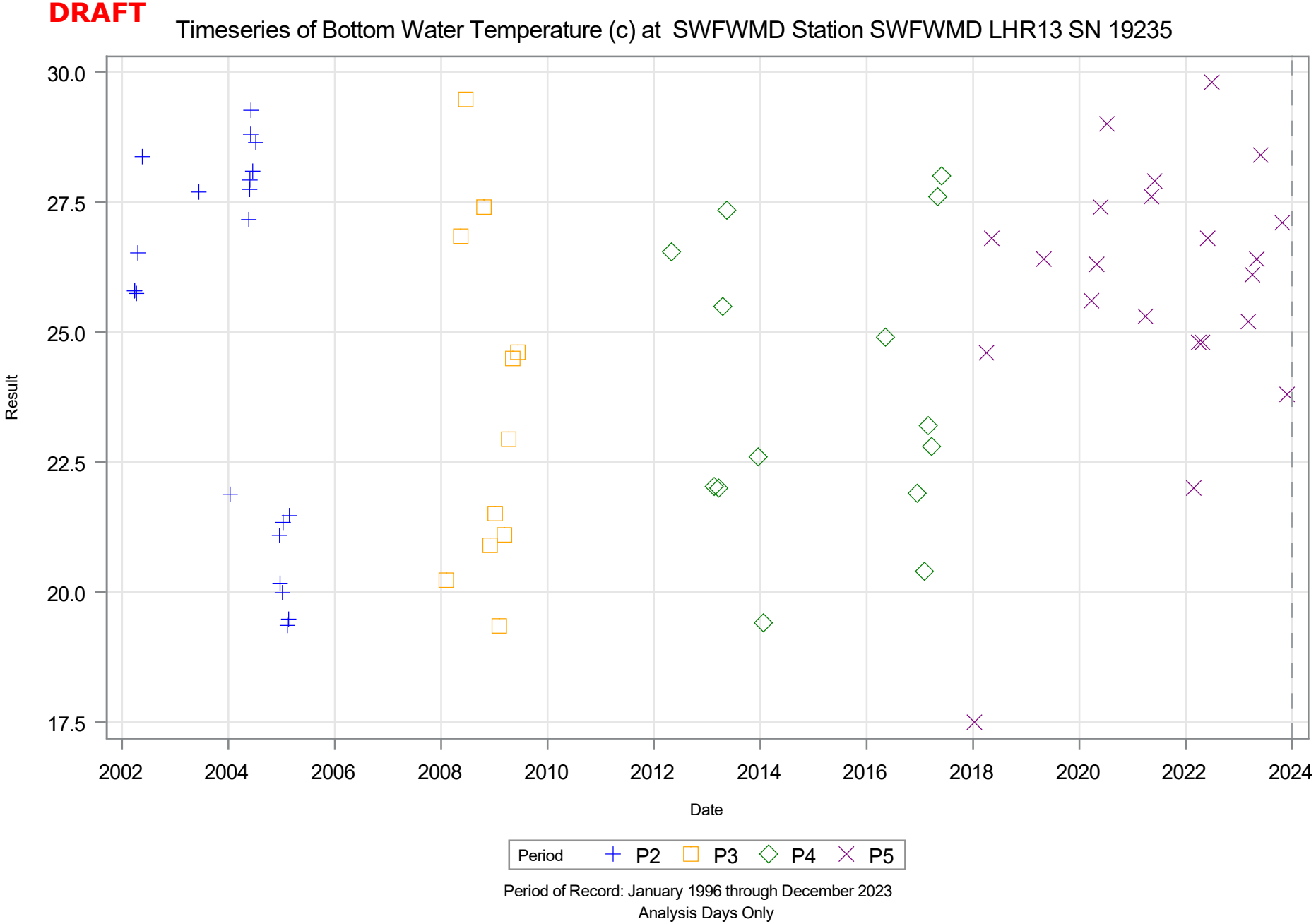
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR12 SN 800053

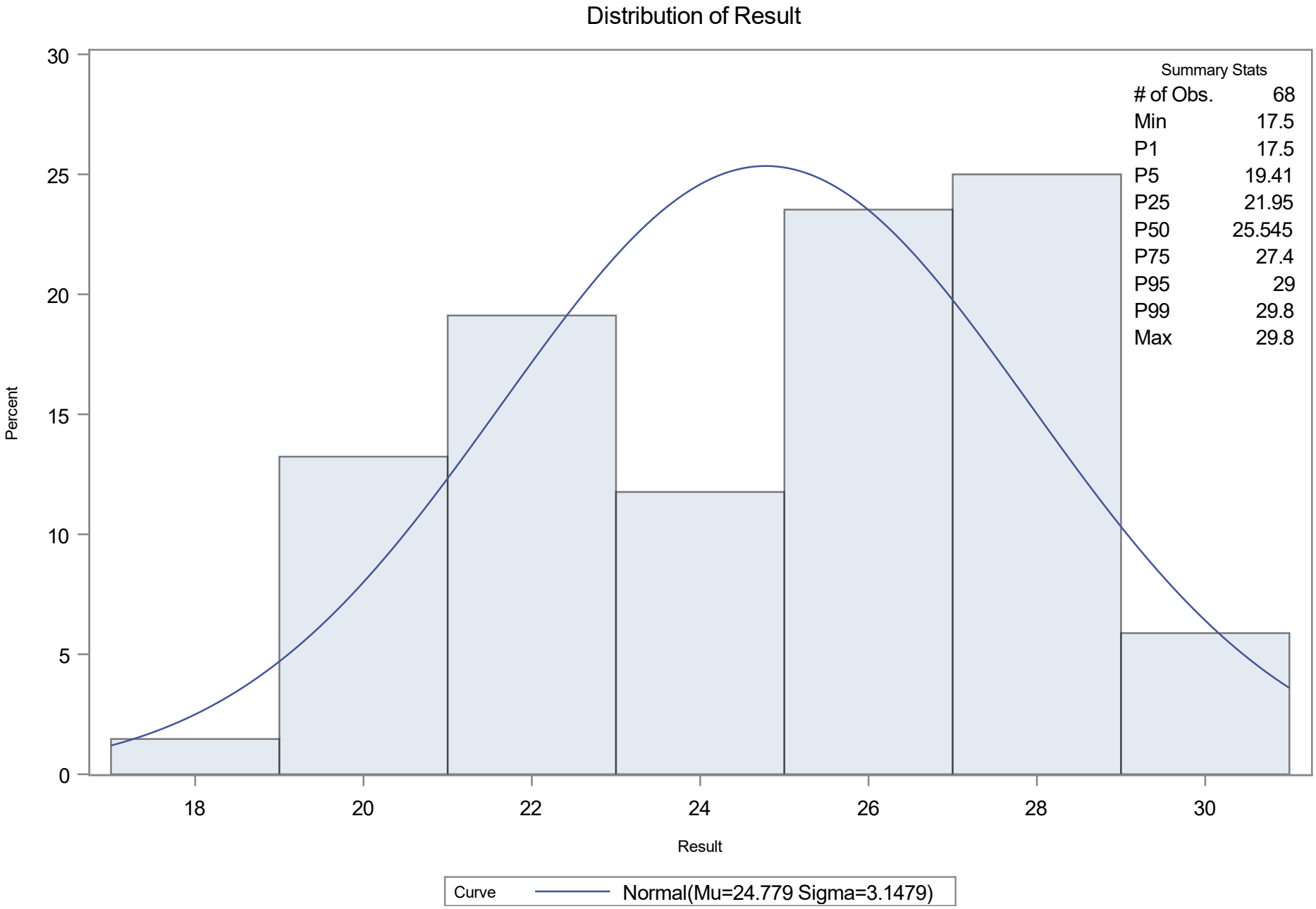


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
30.0
27.5
25.0
22.5
20.0
17.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.77868
Std Dev	Sigma	3.147876

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11202416	**Pr > D**	0.034
Cramer-von Mises	**W-Sq**	0.25010025	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.41827958	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.5000	17.4556
5.0	19.4100	19.6009
10.0	20.1700	20.7445
25.0	21.9500	22.6555
50.0	25.5450	24.7787
75.0	27.4000	26.9019
90.0	28.4000	28.8128
95.0	29.0000	29.9565
99.0	29.8000	32.1017

Period of Record: January 1996 through December 2023
Analysis Days Only

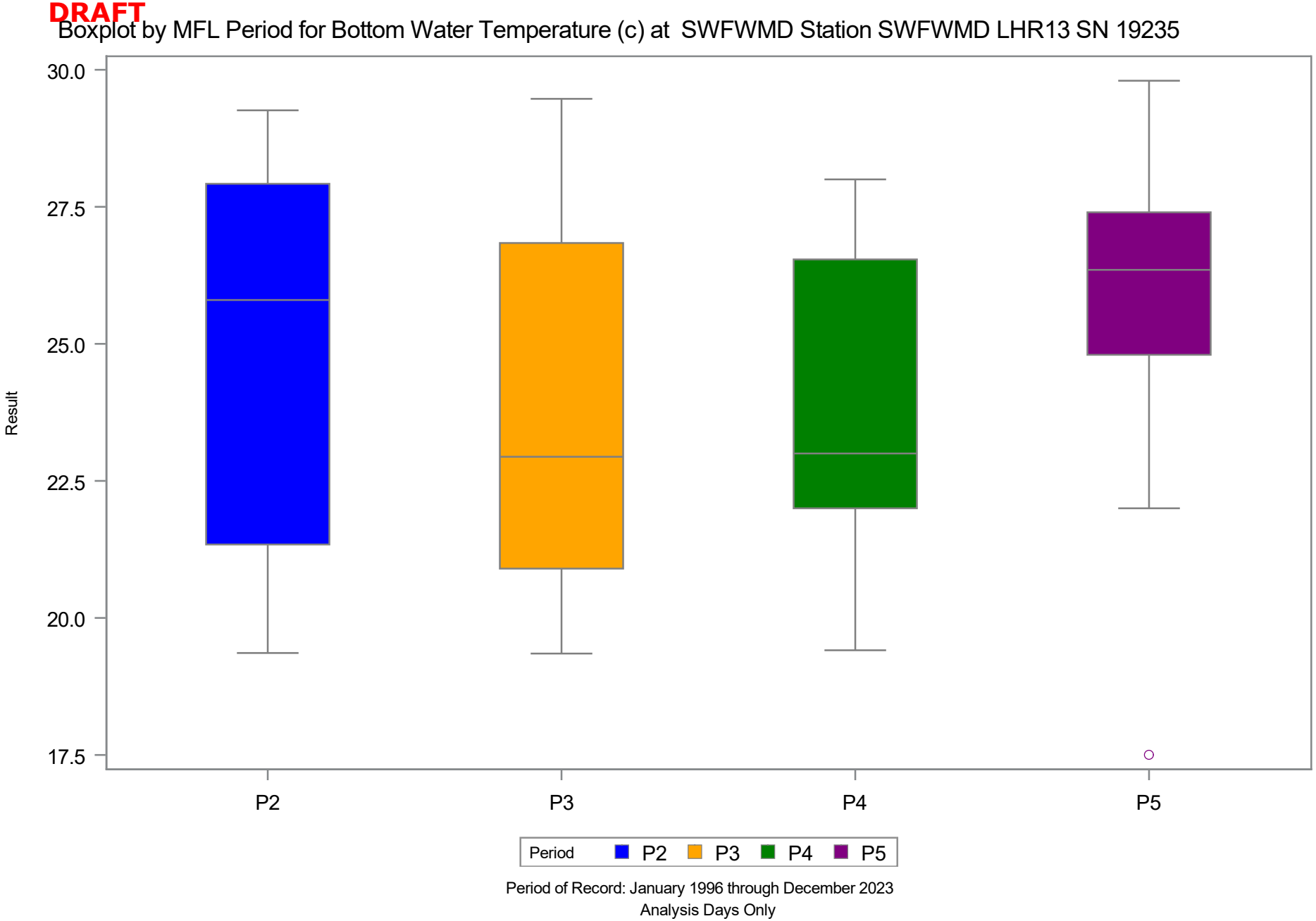
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	19.36	21.34	24.87	25.80	27.92	29.26
P3	11	19.35	20.90	23.53	22.94	26.84	29.47
P4	14	19.41	22.00	23.87	23.00	26.54	28.00
P5	22	17.50	24.80	25.89	26.35	27.40	29.80

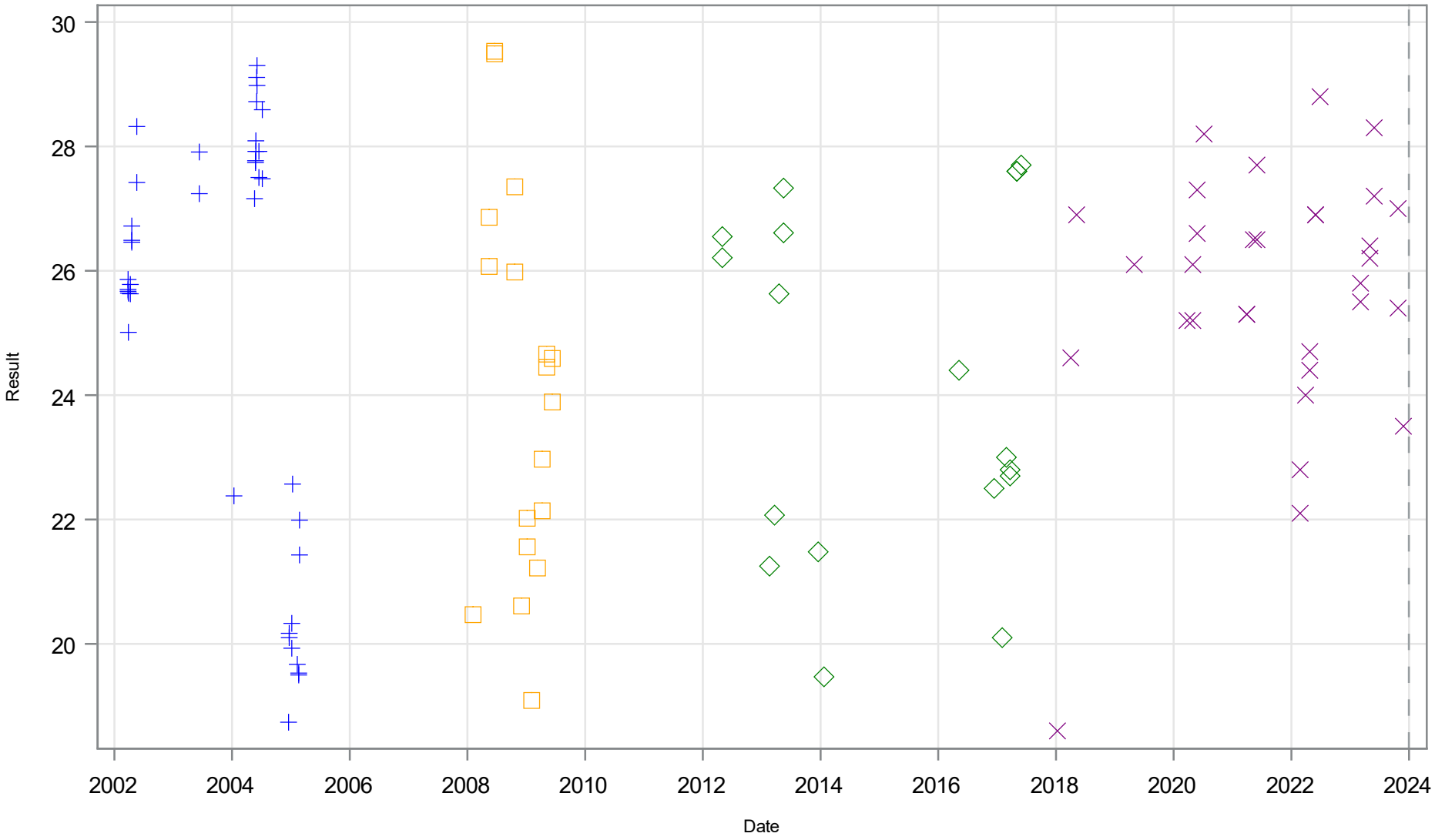
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
30.0
27.5
25.0
22.5
20.0
17.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

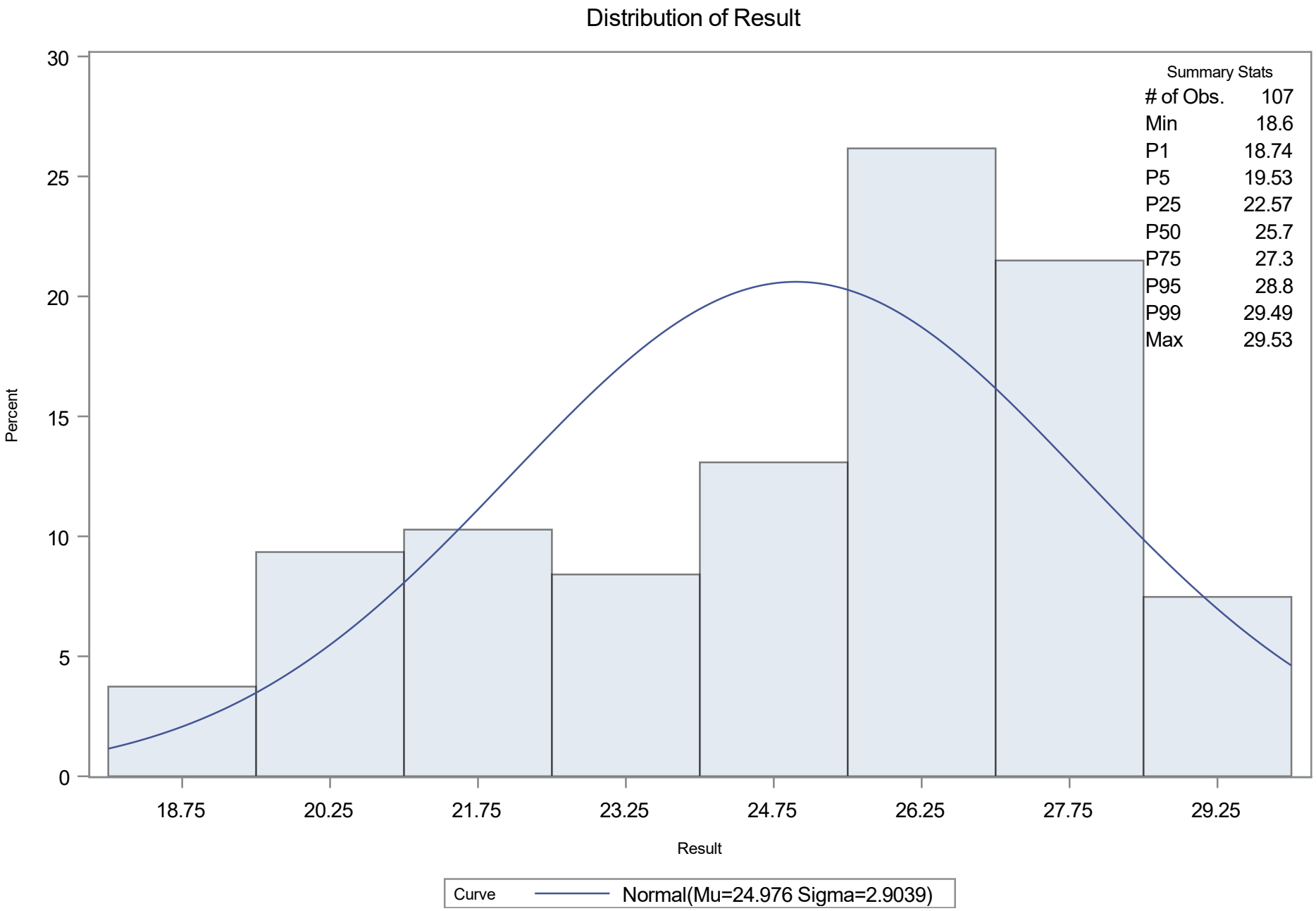
Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.97589
Std Dev	Sigma	2.903886

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13116527	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.43391137	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.45105524	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.7400	18.2204
5.0	19.5300	20.1994
10.0	20.1700	21.2544
25.0	22.5700	23.0172
50.0	25.7000	24.9759
75.0	27.3000	26.9345
90.0	28.2000	28.6974
95.0	28.8000	29.7524
99.0	29.4900	31.7313

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

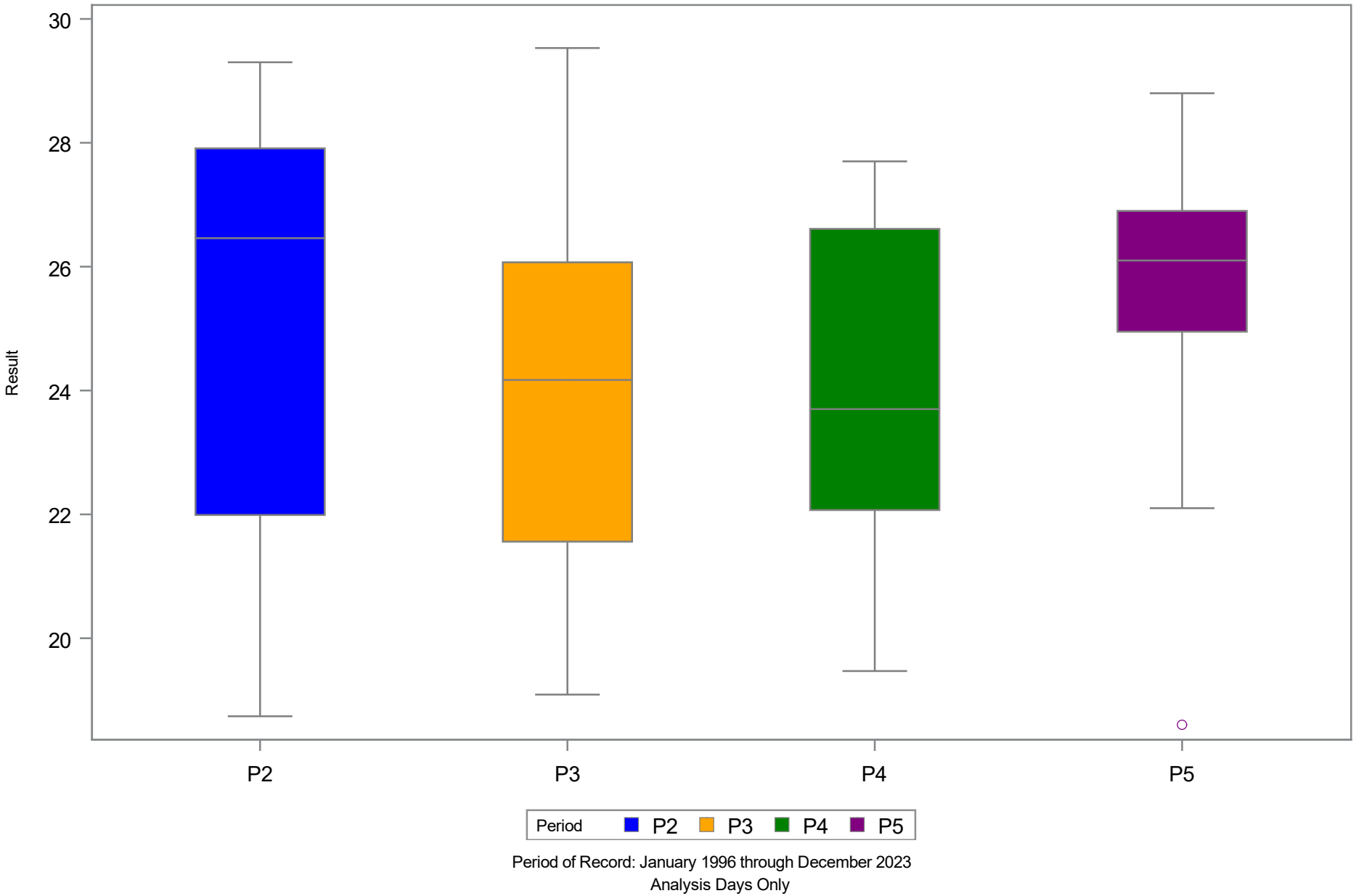
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	39	18.74	21.99	25.19	26.46	27.91	29.30
P3	18	19.09	21.56	24.05	24.17	26.07	29.53
P4	18	19.47	22.07	24.17	23.70	26.61	27.70
P5	32	18.60	24.95	25.69	26.10	26.90	28.80

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

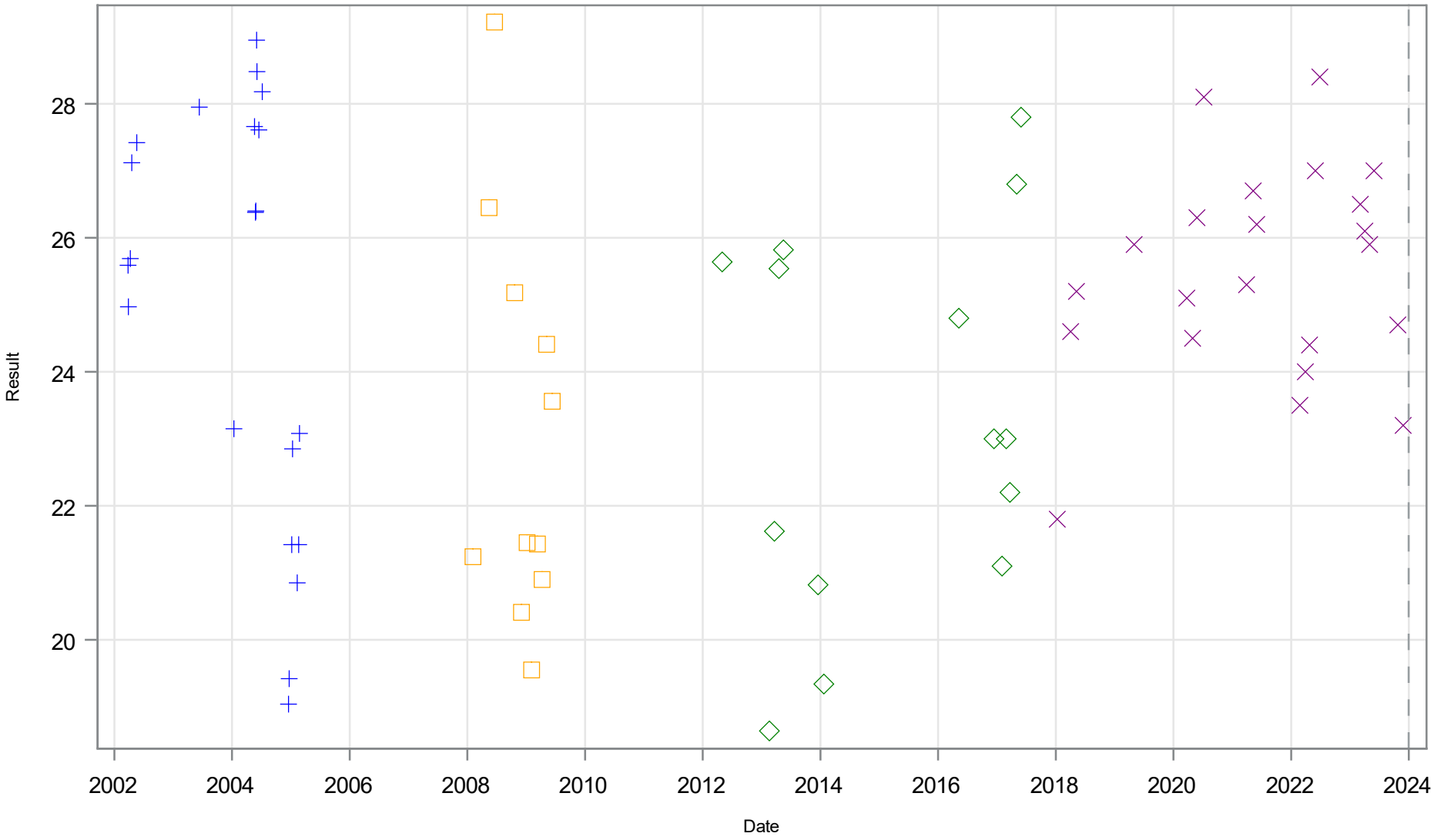
Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

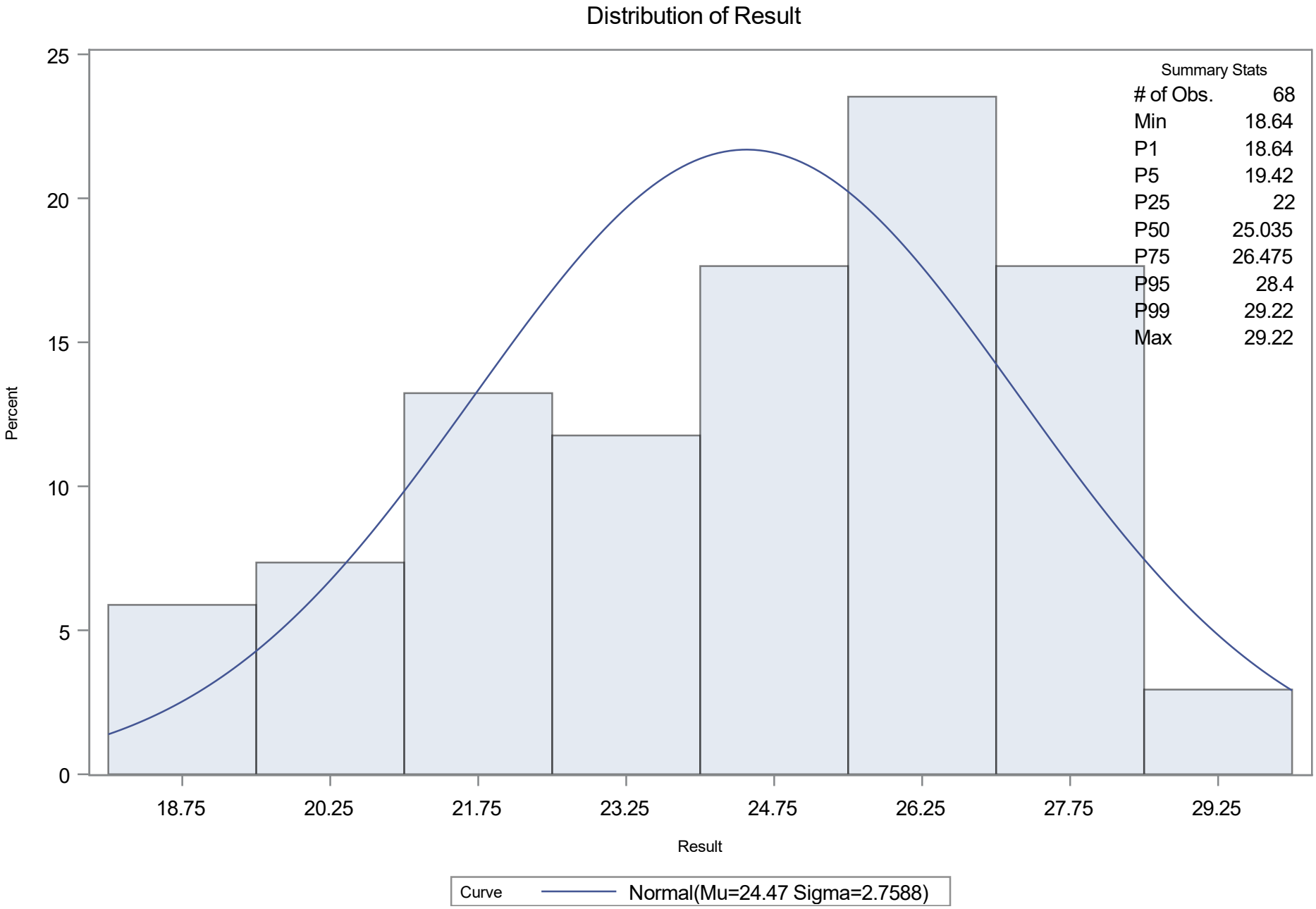
DRAFT

Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.46985
Std Dev	Sigma	2.758825

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09284111	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.14486121	**Pr > W-Sq**	0.027
Anderson-Darling	**A-Sq**	0.84882813	**Pr > A-Sq**	0.028

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.6400	18.0519
5.0	19.4200	19.9320
10.0	20.8200	20.9343
25.0	22.0000	22.6091
50.0	25.0350	24.4699
75.0	26.4750	26.3307
90.0	27.9500	28.0054
95.0	28.4000	29.0077
99.0	29.2200	30.8878

Period of Record: January 1996 through December 2023
Analysis Days Only

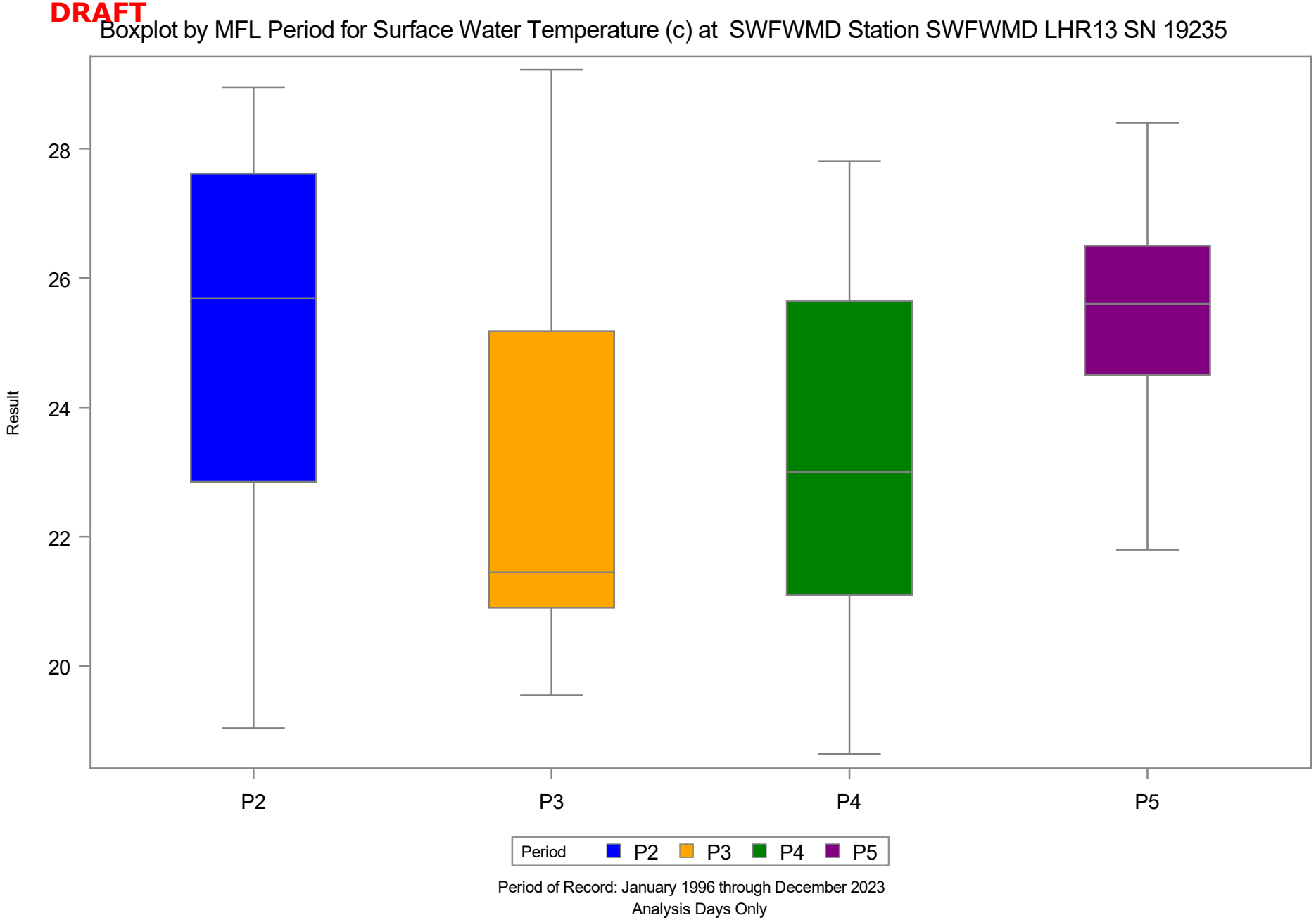
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235

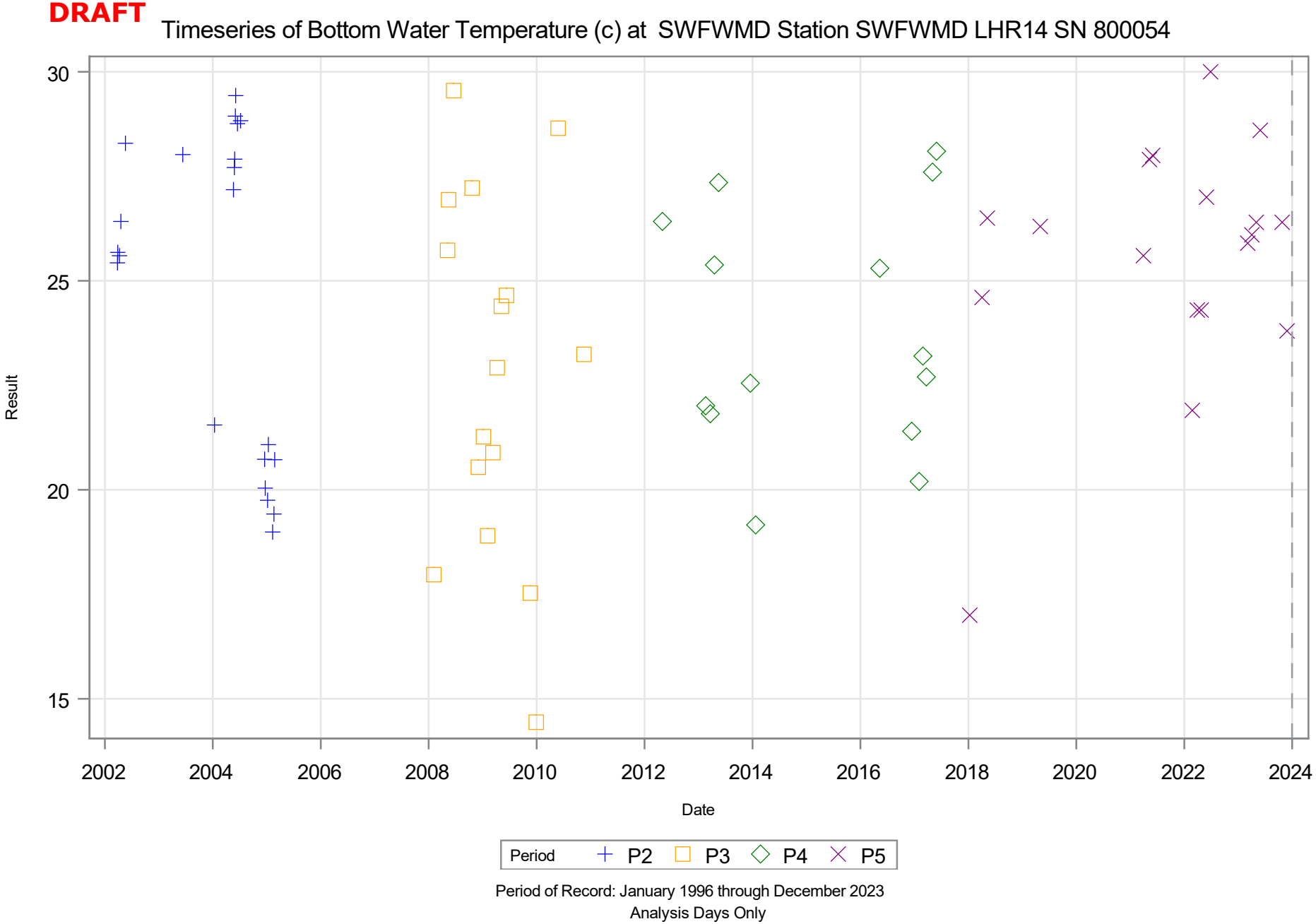
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	19.04	22.85	24.93	25.69	27.61	28.95
P3	11	19.55	20.90	23.07	21.45	25.18	29.22
P4	14	18.64	21.10	23.29	23.00	25.64	27.80
P5	22	21.80	24.50	25.47	25.60	26.50	28.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

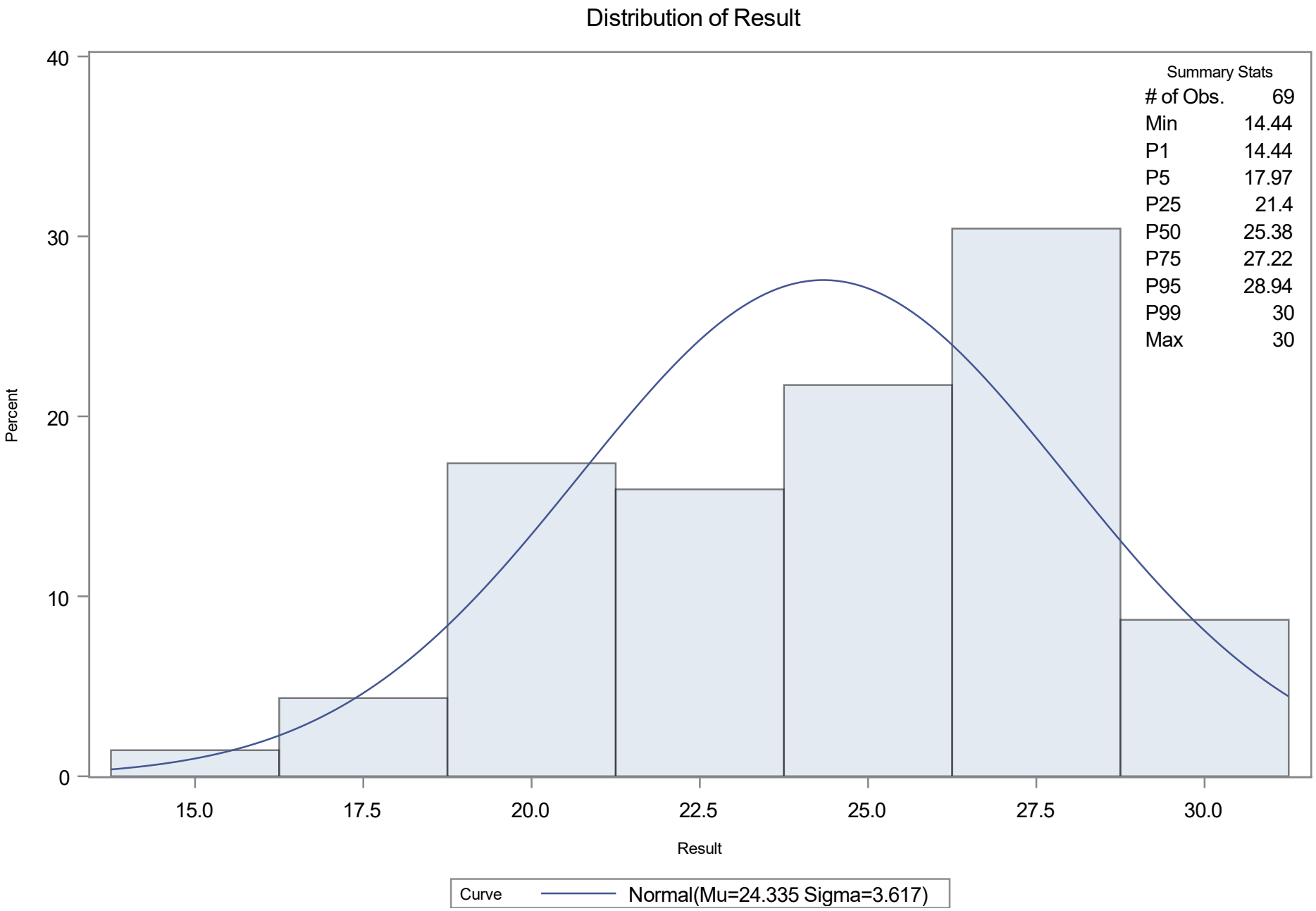

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
28
26
24
22
20
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.33478
Std Dev	Sigma	3.617034

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12694807	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.19248756	**Pr > W-Sq**	0.007
Anderson-Darling	**A-Sq**	1.08566370	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.4400	15.9203
5.0	17.9700	18.3853
10.0	19.1600	19.6994
25.0	21.4000	21.8951
50.0	25.3800	24.3348
75.0	27.2200	26.7744
90.0	28.6500	28.9702
95.0	28.9400	30.2843
99.0	30.0000	32.7493

Period of Record: January 1996 through December 2023
Analysis Days Only

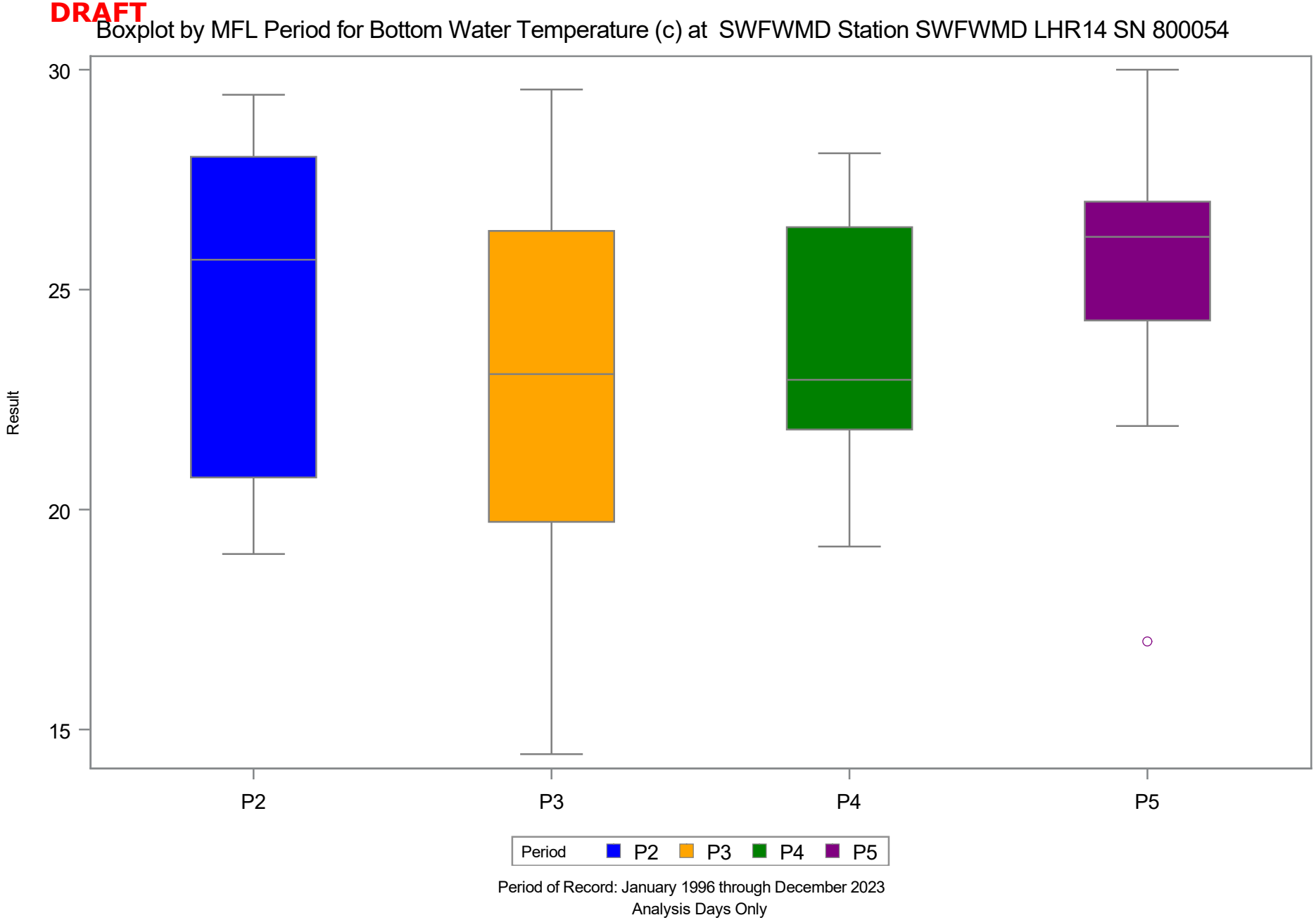
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	18.99	20.73	24.78	25.68	28.02	29.43
P3	16	14.44	19.72	22.80	23.08	26.34	29.55
P4	14	19.16	21.82	23.80	22.95	26.42	28.10
P5	18	17.00	24.30	25.59	26.20	27.00	30.00

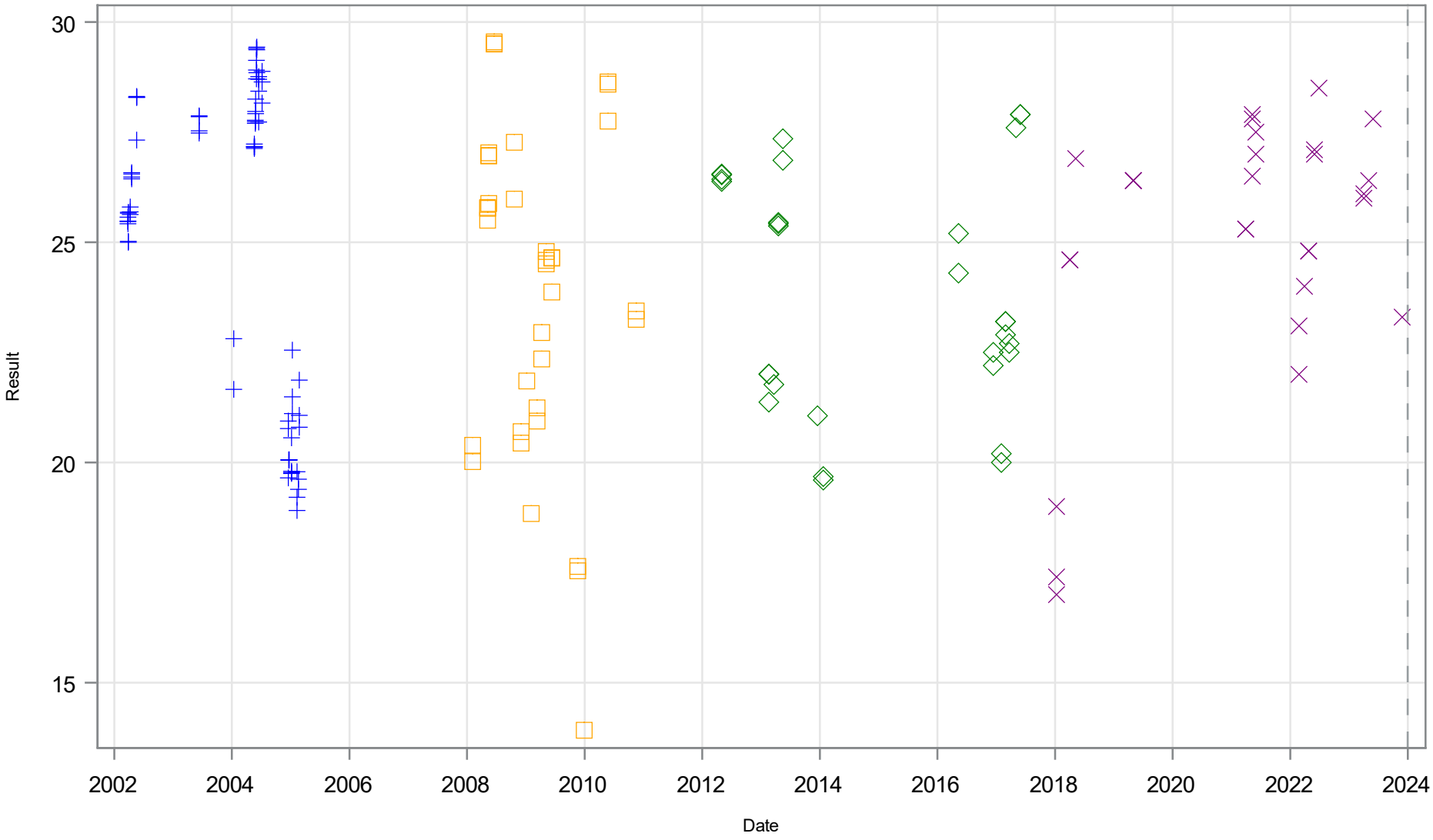
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

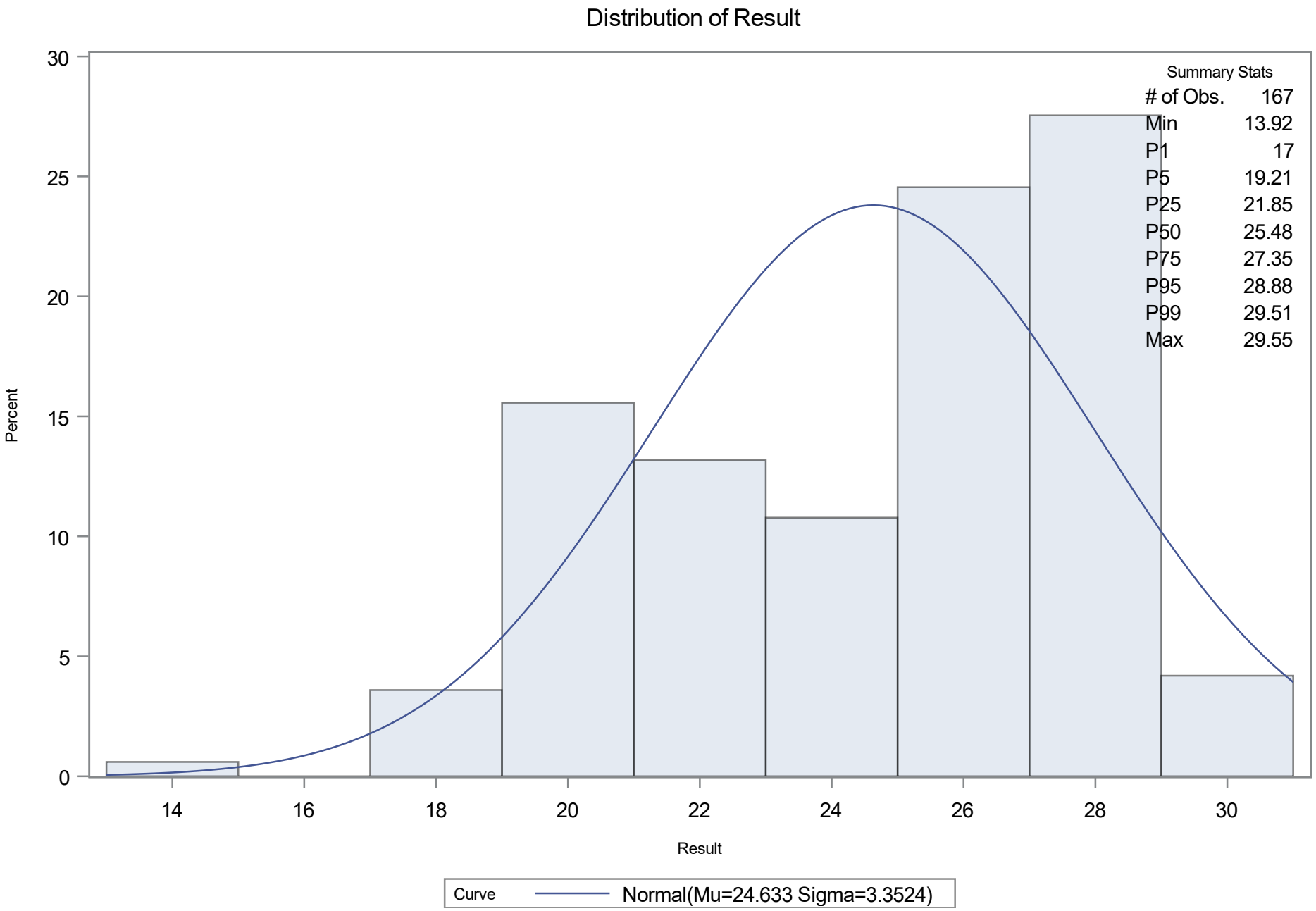
Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.63323
Std Dev	Sigma	3.352374

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12373727	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.64084955	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.62989053	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.0000	16.8344
5.0	19.2100	19.1191
10.0	19.7900	20.3370
25.0	21.8500	22.3721
50.0	25.4800	24.6332
75.0	27.3500	26.8944
90.0	28.5000	28.9295
95.0	28.8800	30.1474
99.0	29.5100	32.4320

Period of Record: January 1996 through December 2023
Analysis Days Only

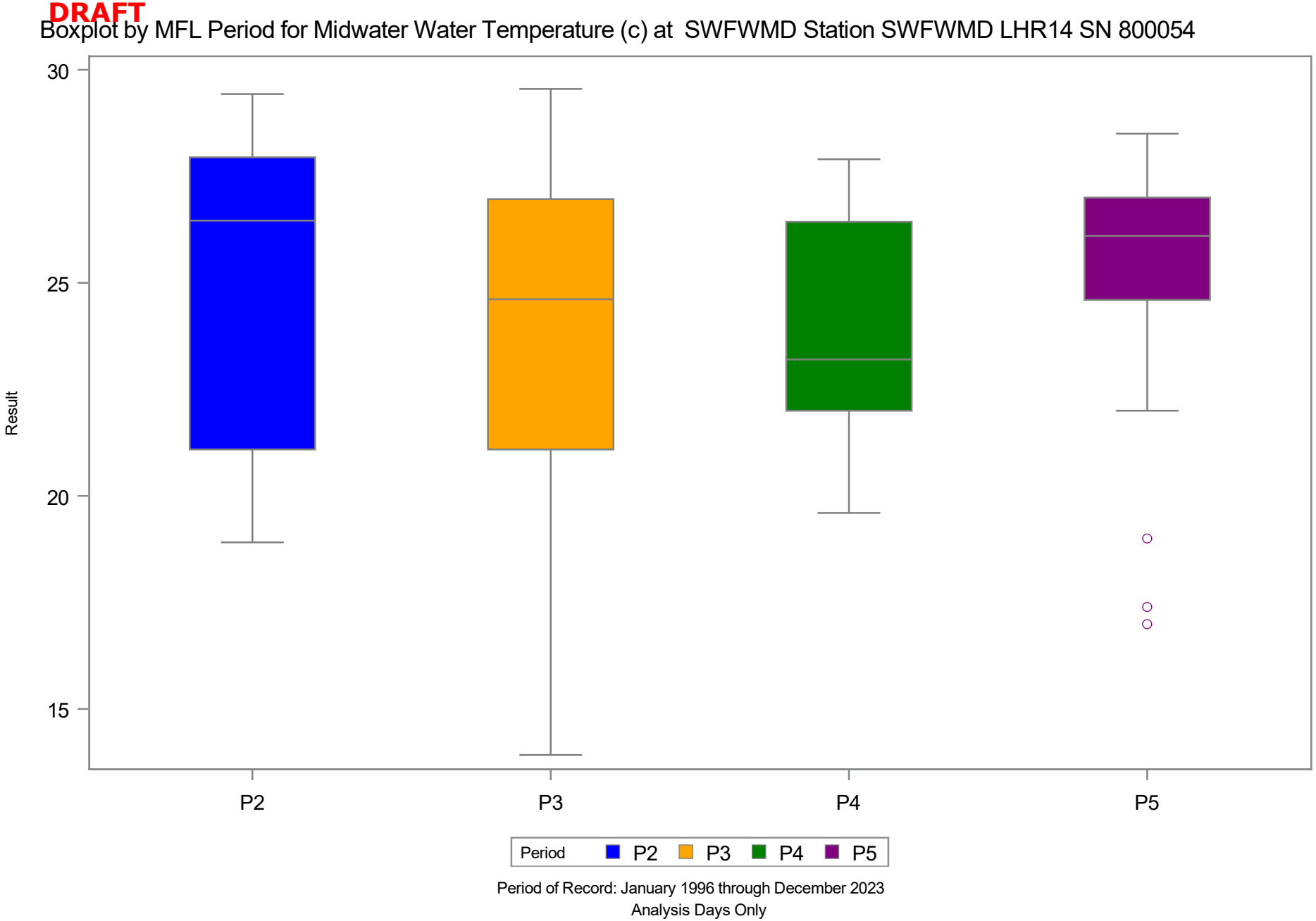
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	72	18.91	21.09	25.10	26.46	27.95	29.43
P3	36	13.92	21.09	23.98	24.62	26.97	29.55
P4	30	19.60	22.00	23.87	23.20	26.43	27.90
P5	29	17.00	24.60	25.07	26.10	27.00	28.50

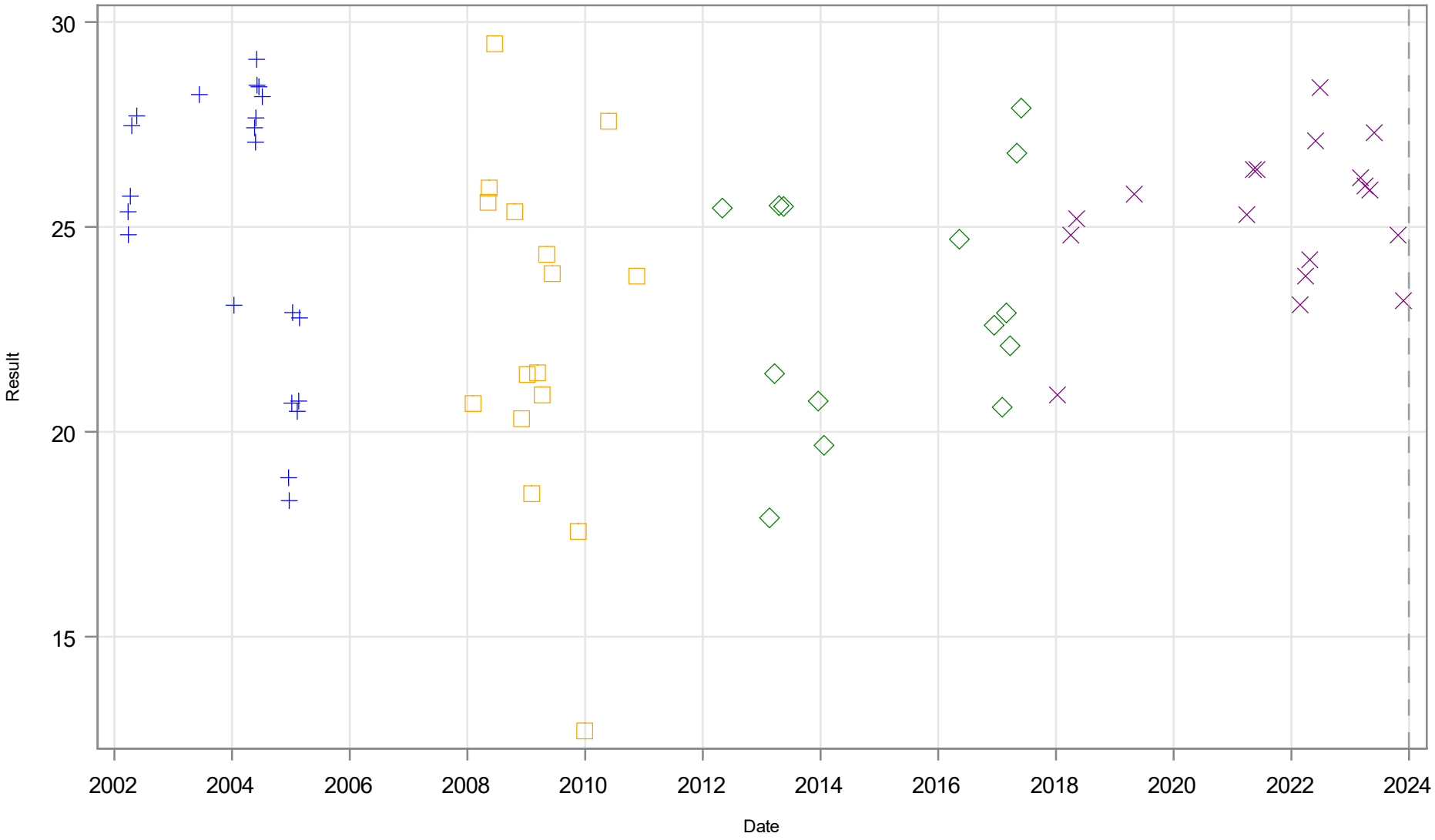
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

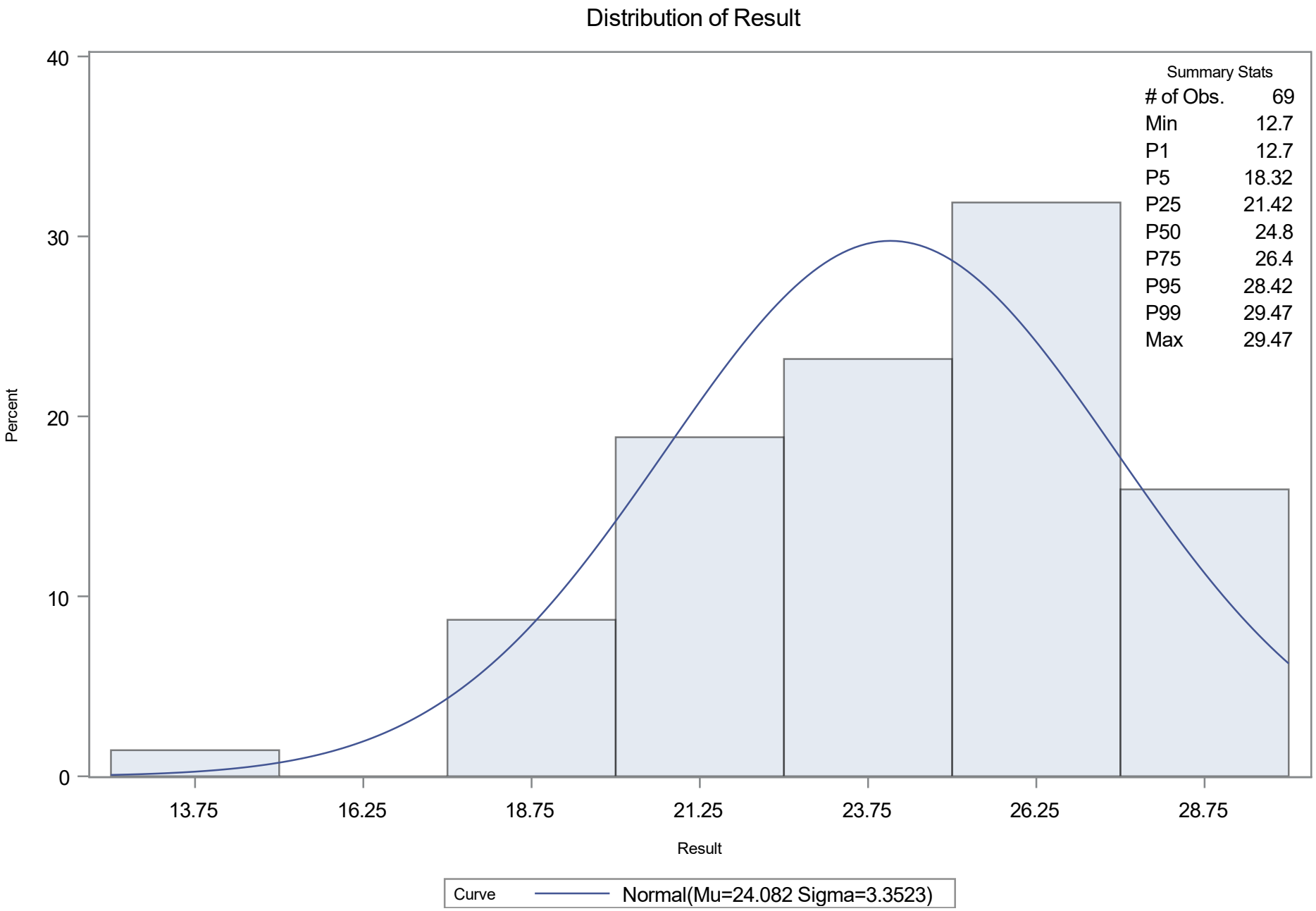
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.08203
Std Dev	Sigma	3.352283

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10935982	**Pr > D**	0.040
Cramer-von Mises	**W-Sq**	0.14391582	**Pr > W-Sq**	0.028
Anderson-Darling	**A-Sq**	0.86534170	**Pr > A-Sq**	0.025

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.7000	16.2835
5.0	18.3200	18.5680
10.0	19.6700	19.7859
25.0	21.4200	21.8209
50.0	24.8000	24.0820
75.0	26.4000	26.3431
90.0	28.1800	28.3782
95.0	28.4200	29.5960
99.0	29.4700	31.8806

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

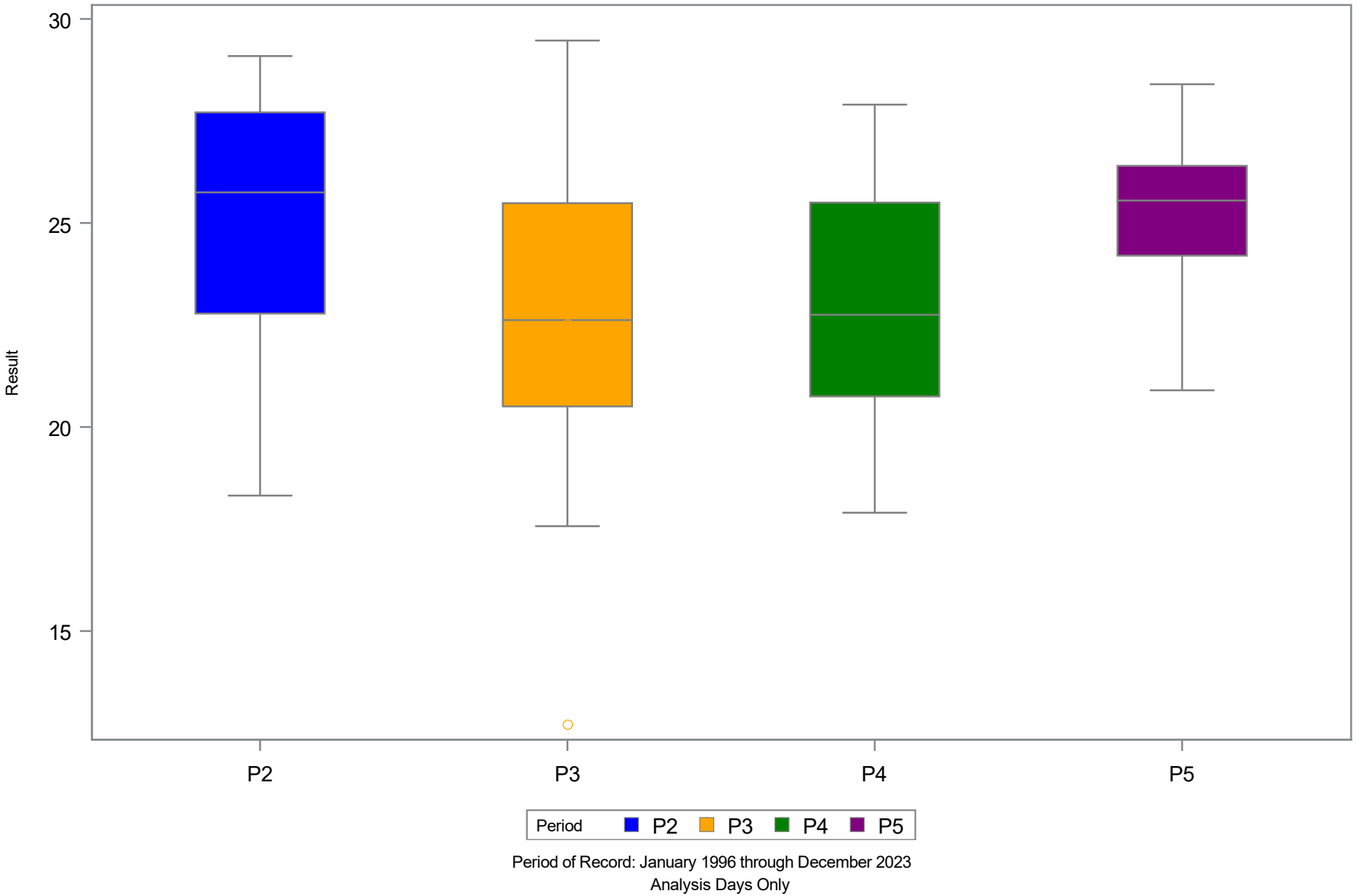
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	18.32	22.78	24.93	25.75	27.71	29.09
P3	16	12.70	20.51	22.47	22.62	25.49	29.47
P4	14	17.90	20.75	23.13	22.75	25.50	27.90
P5	18	20.90	24.20	25.27	25.55	26.40	28.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

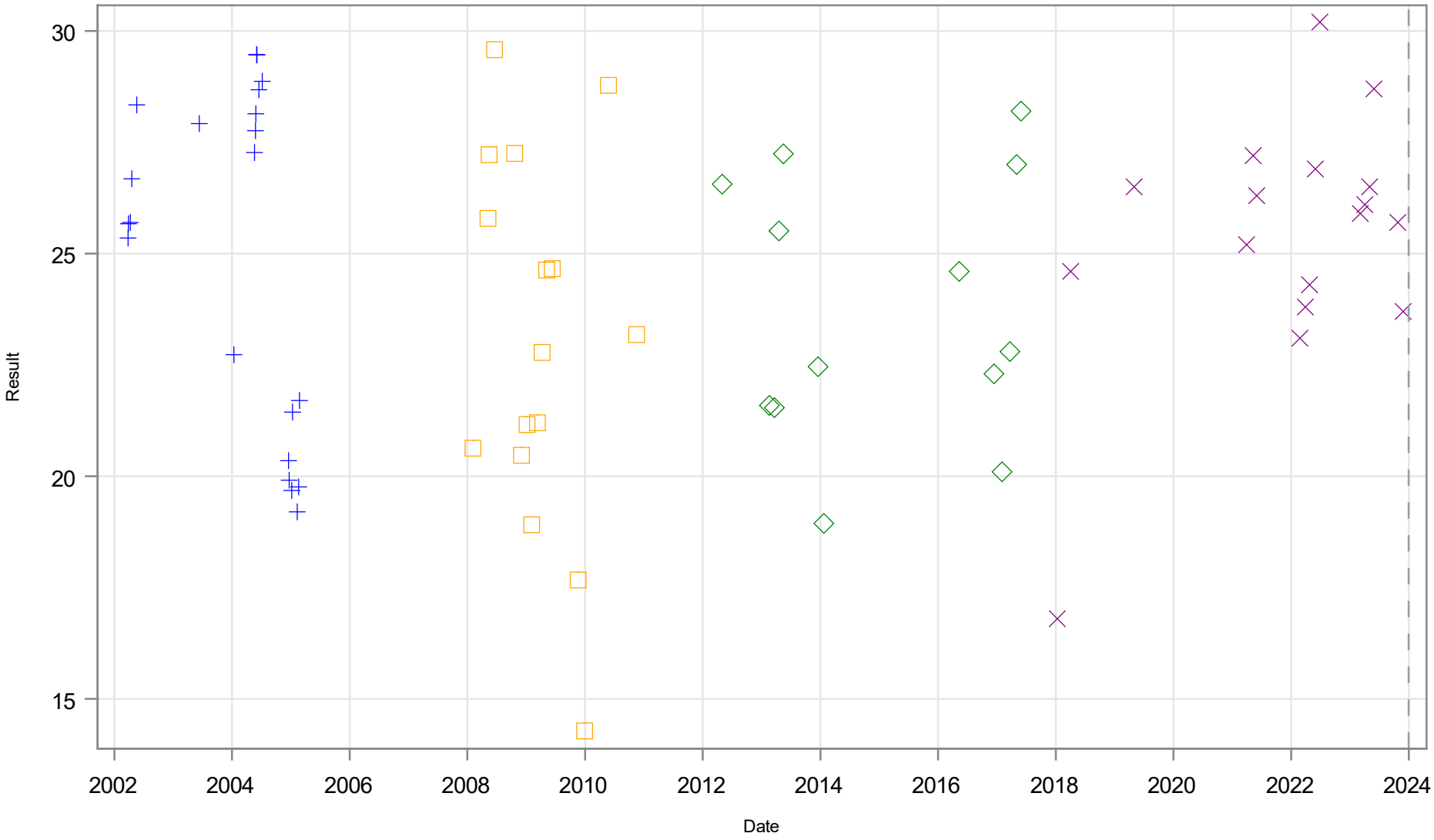
Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR14 SN 800054



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

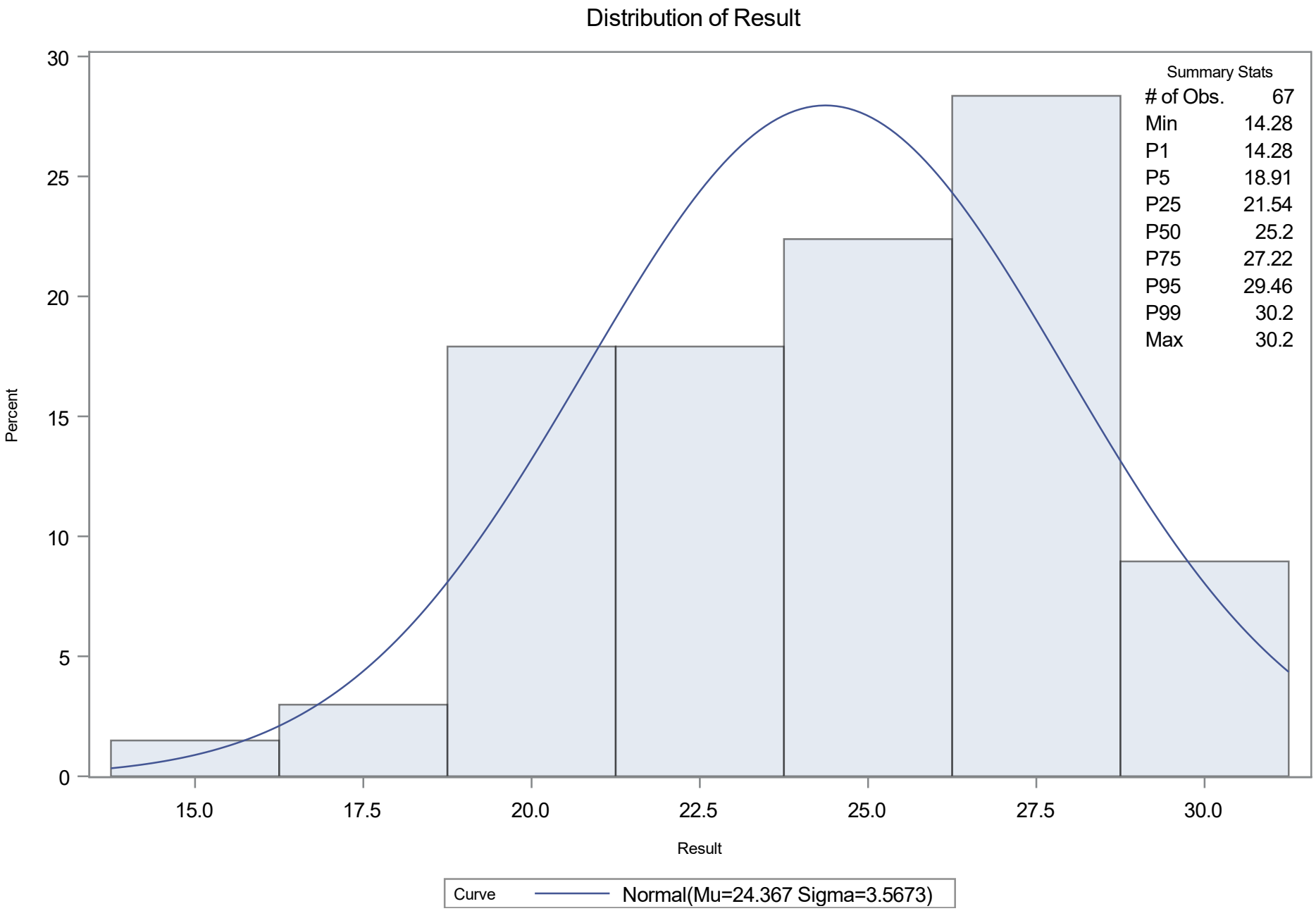
Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.36731
Std Dev	Sigma	3.567325

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10519499	**Pr > D**	0.066
Cramer-von Mises	**W-Sq**	0.13699071	**Pr > W-Sq**	0.036
Anderson-Darling	**A-Sq**	0.78525741	**Pr > A-Sq**	0.041

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.2800	16.0685
5.0	18.9100	18.4996
10.0	19.6800	19.7956
25.0	21.5400	21.9612
50.0	25.2000	24.3673
75.0	27.2200	26.7734
90.0	28.7000	28.9390
95.0	29.4600	30.2350
99.0	30.2000	32.6662

Period of Record: January 1996 through December 2023
Analysis Days Only

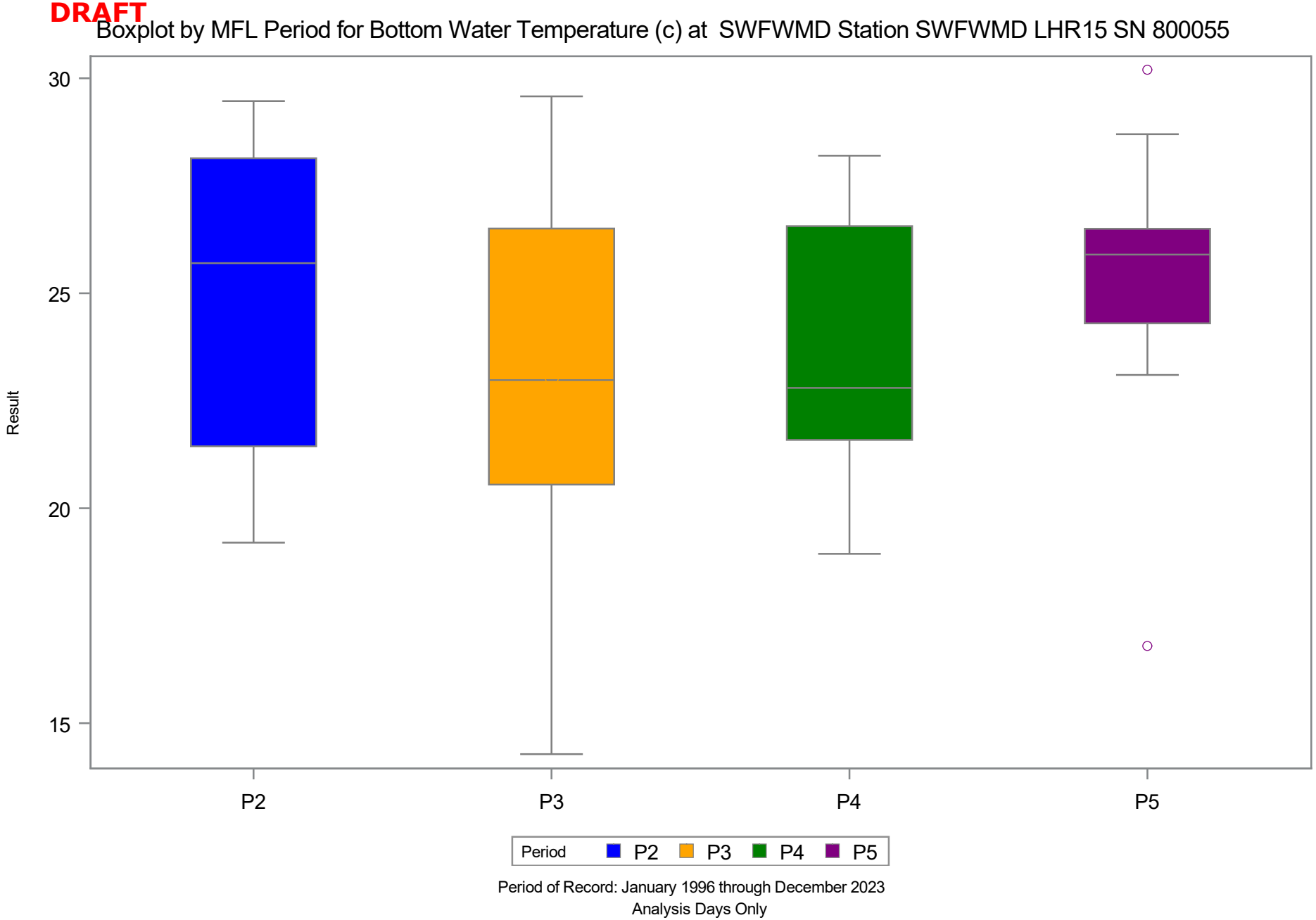
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055

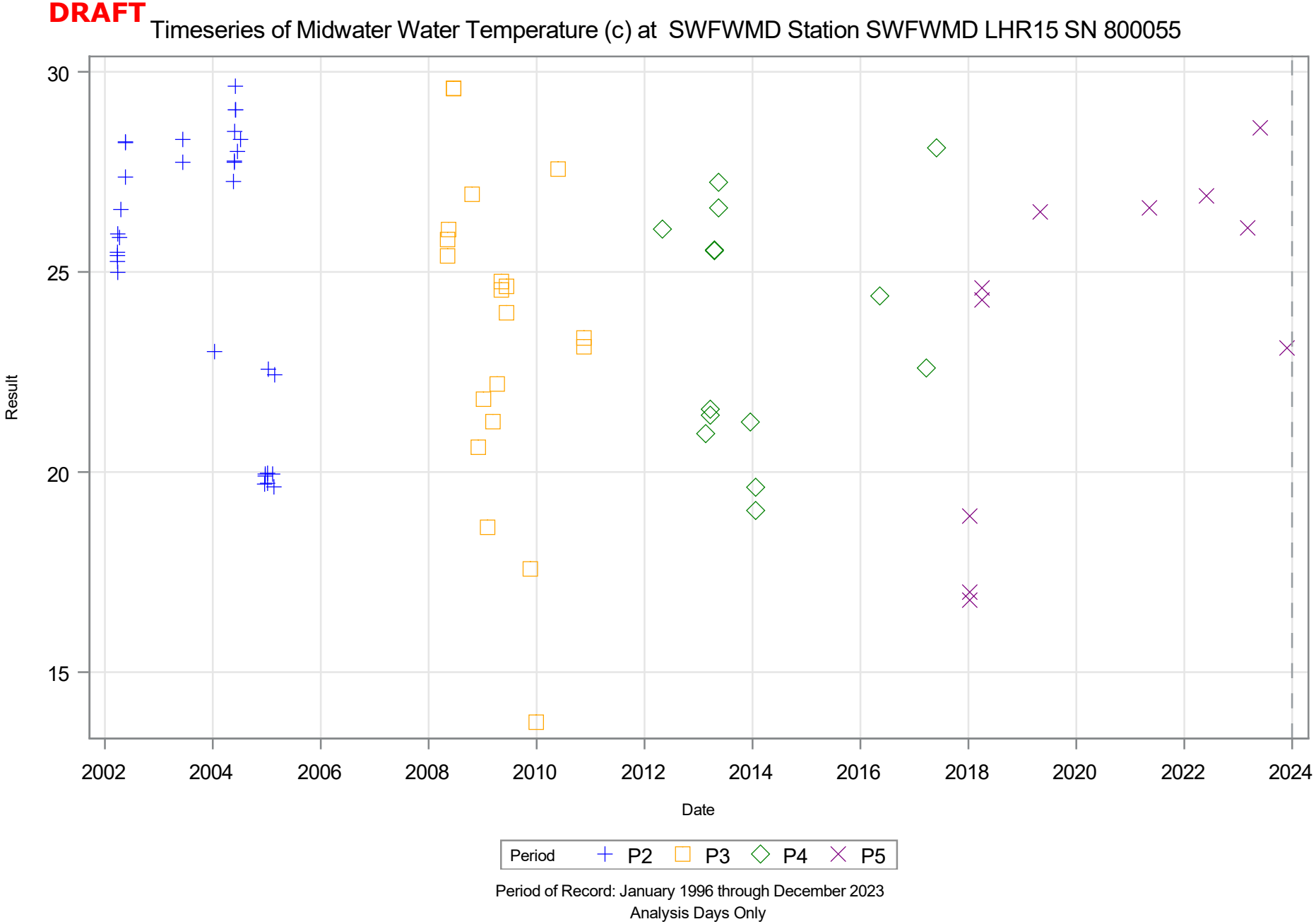
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	19.20	21.44	24.96	25.70	28.14	29.47
P3	16	14.28	20.55	23.01	22.98	26.51	29.58
P4	13	18.94	21.59	23.76	22.80	26.56	28.20
P5	17	16.80	24.30	25.38	25.90	26.50	30.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

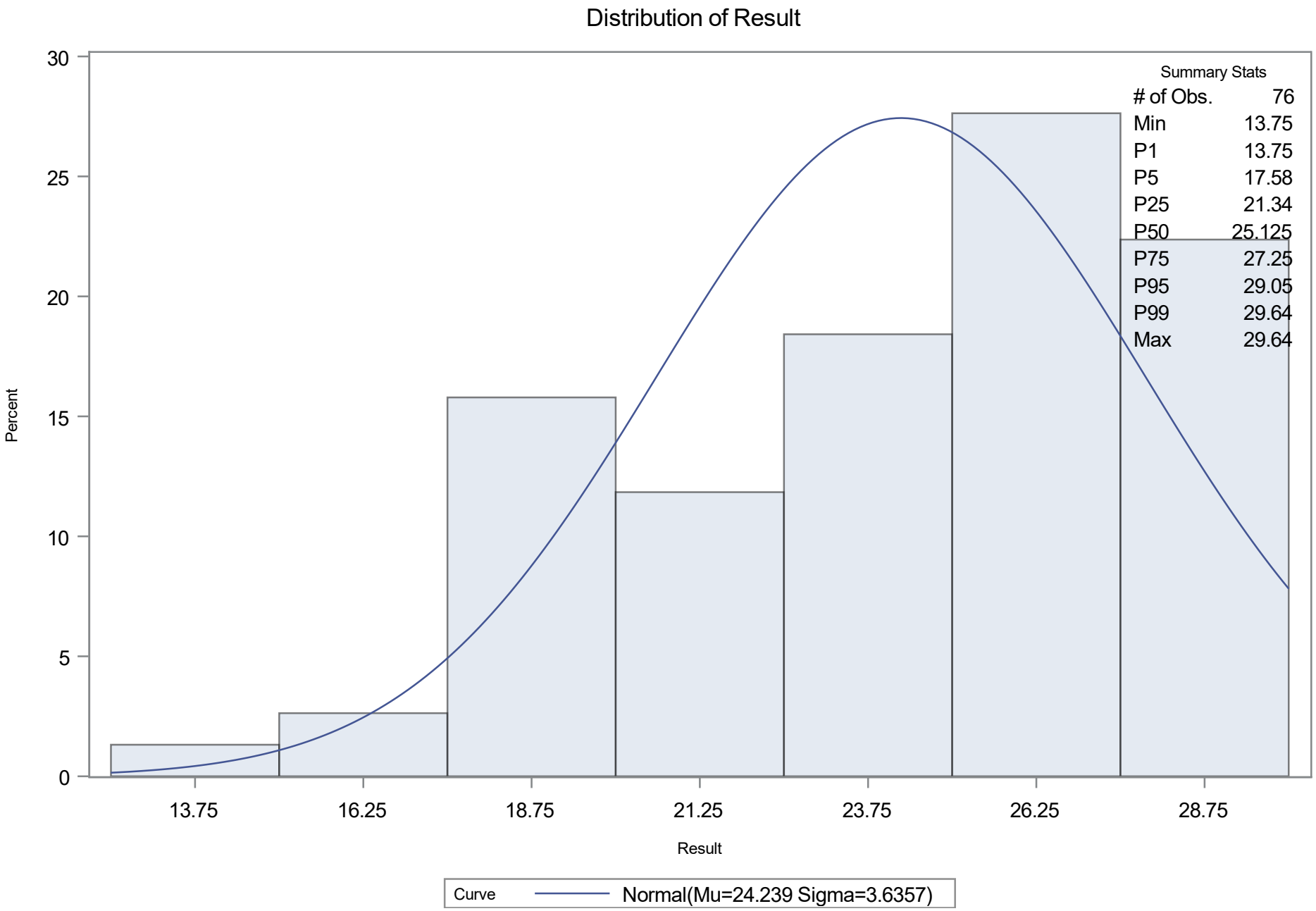

Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.23882
Std Dev	Sigma	3.635676

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11212522	**Pr > D**	0.019
Cramer-von Mises	**W-Sq**	0.19922915	**Pr > W-Sq**	0.005
Anderson-Darling	**A-Sq**	1.16893364	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.7500	15.7810
5.0	17.5800	18.2587
10.0	19.6200	19.5795
25.0	21.3400	21.7866
50.0	25.1250	24.2388
75.0	27.2500	26.6910
90.0	28.3100	28.8981
95.0	29.0500	30.2190
99.0	29.6400	32.6967

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

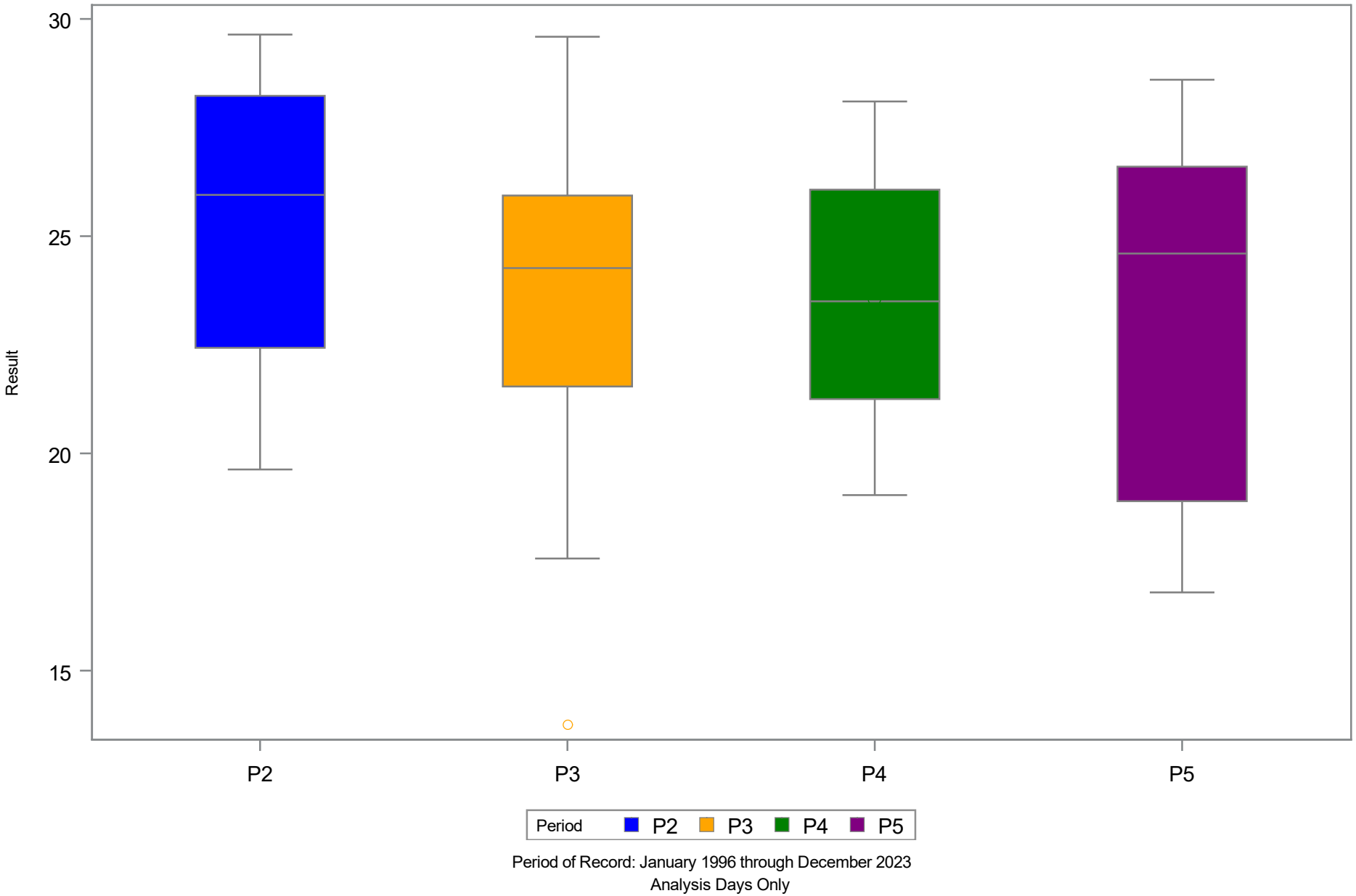
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	31	19.63	22.43	25.21	25.95	28.23	29.64
P3	20	13.75	21.54	23.56	24.27	25.94	29.59
P4	14	19.04	21.25	23.57	23.50	26.07	28.10
P5	11	16.80	18.90	23.58	24.60	26.60	28.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

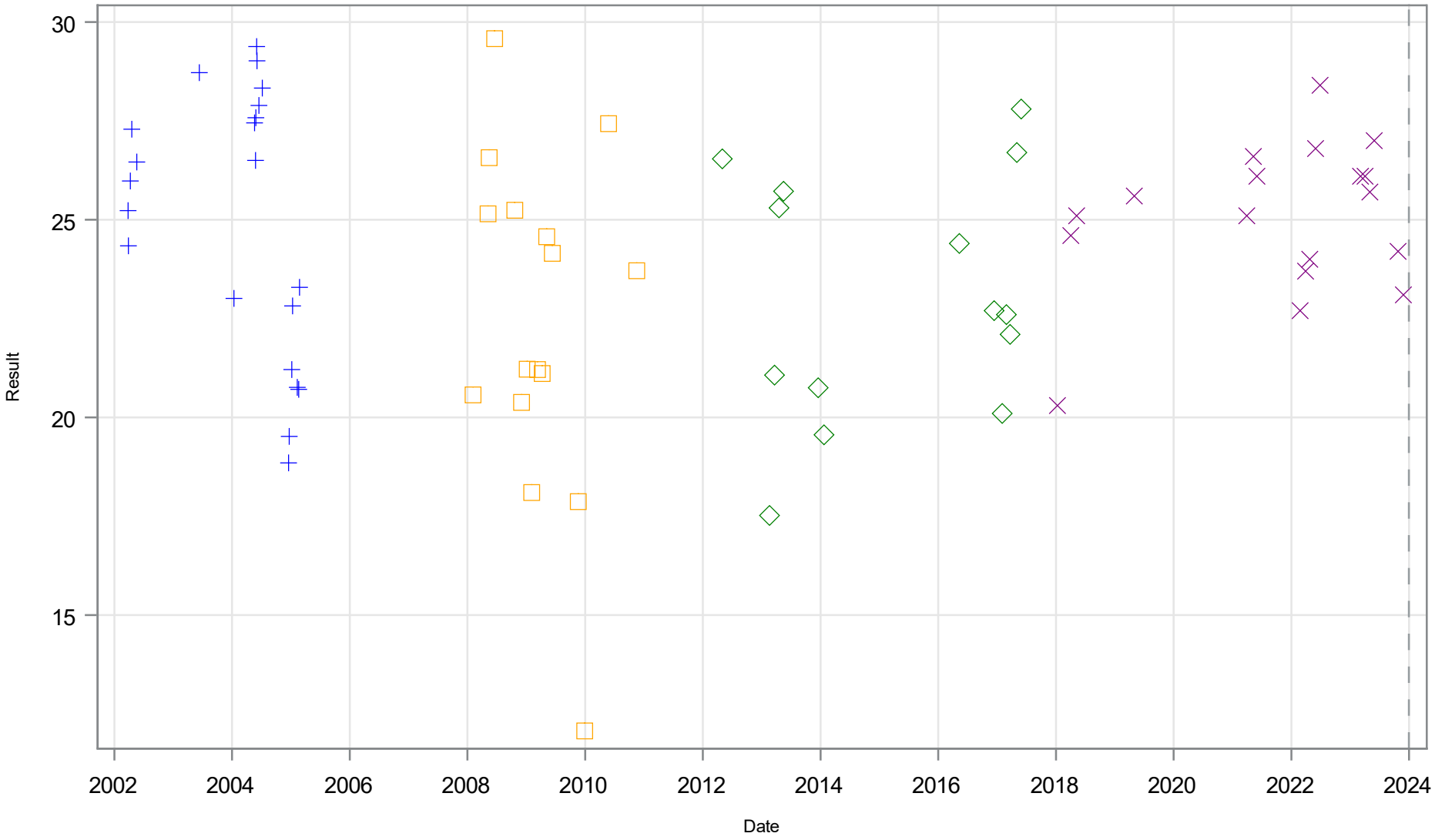
Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

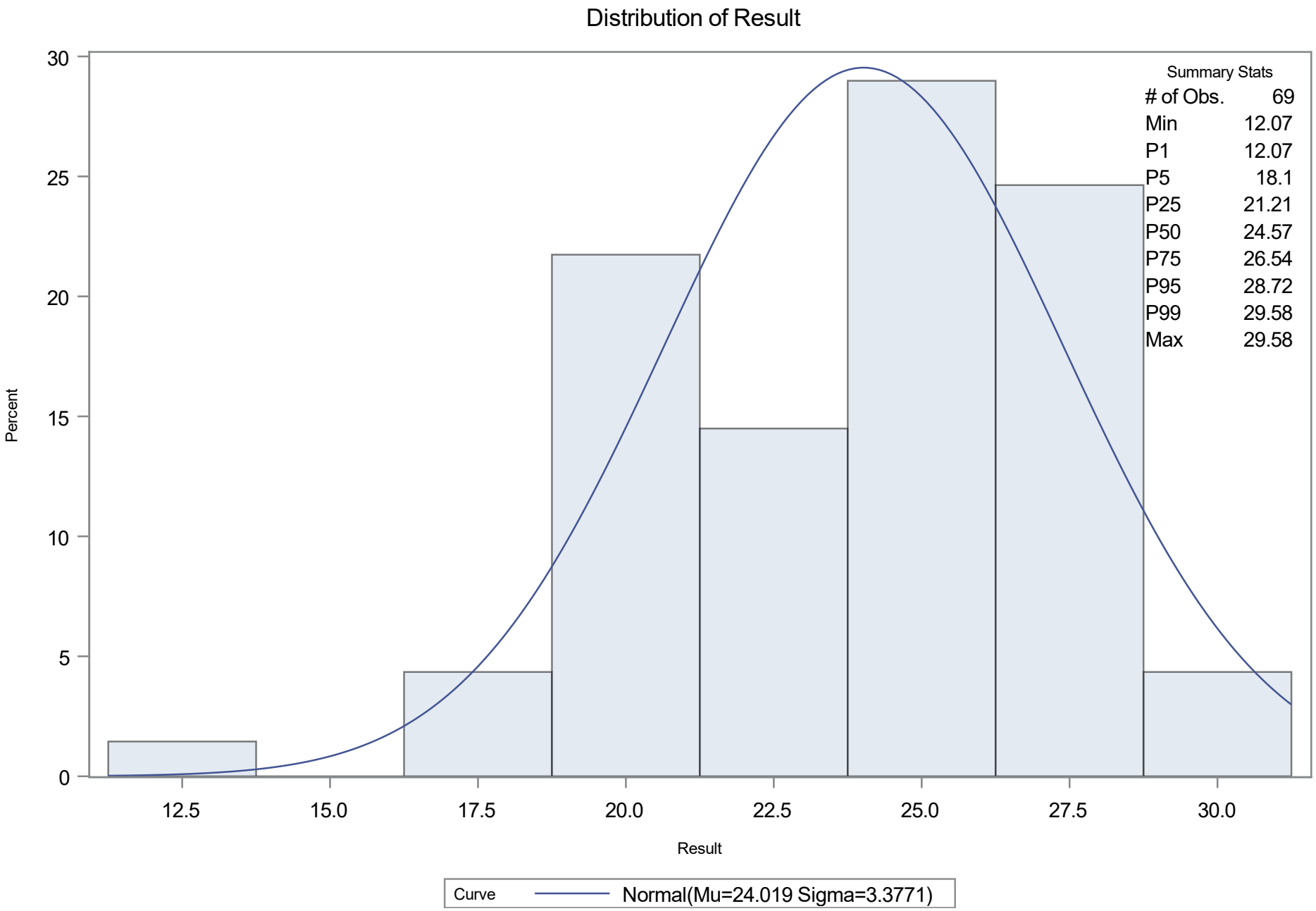
Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.01928
Std Dev	Sigma	3.377134

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10378139	**Pr > D**	0.065
Cramer-von Mises	**W-Sq**	0.11865655	**Pr > W-Sq**	0.065
Anderson-Darling	**A-Sq**	0.70708210	**Pr > A-Sq**	0.065

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.0700	16.1629
5.0	18.1000	18.4644
10.0	19.5600	19.6913
25.0	21.2100	21.7414
50.0	24.5700	24.0193
75.0	26.5400	26.2971
90.0	27.8900	28.3472
95.0	28.7200	29.5742
99.0	29.5800	31.8757

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

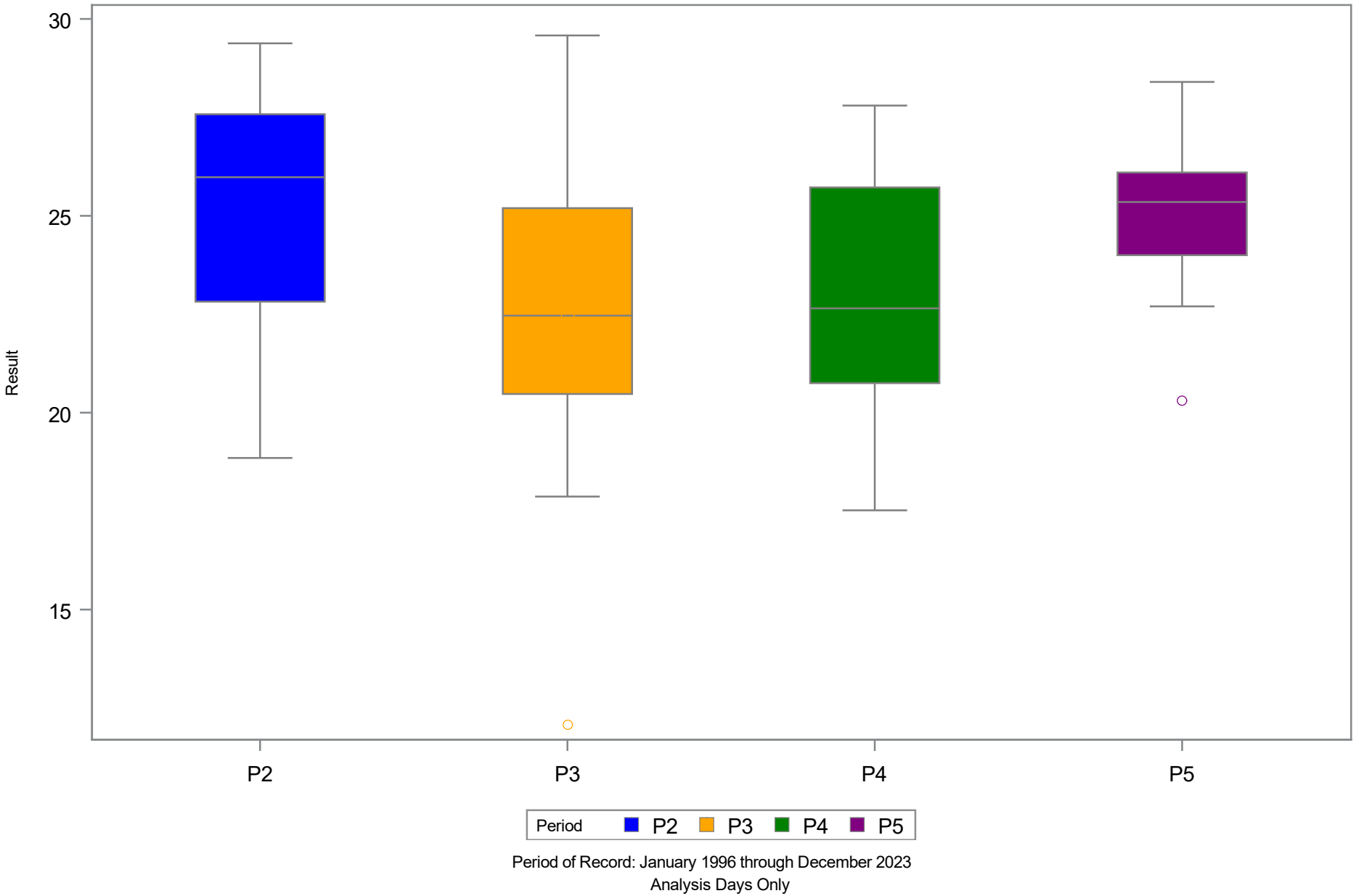
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	18.85	22.82	24.97	25.98	27.58	29.38
P3	16	12.07	20.48	22.43	22.47	25.20	29.58
P4	14	17.52	20.75	23.06	22.65	25.72	27.80
P5	18	20.30	24.00	25.07	25.35	26.10	28.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

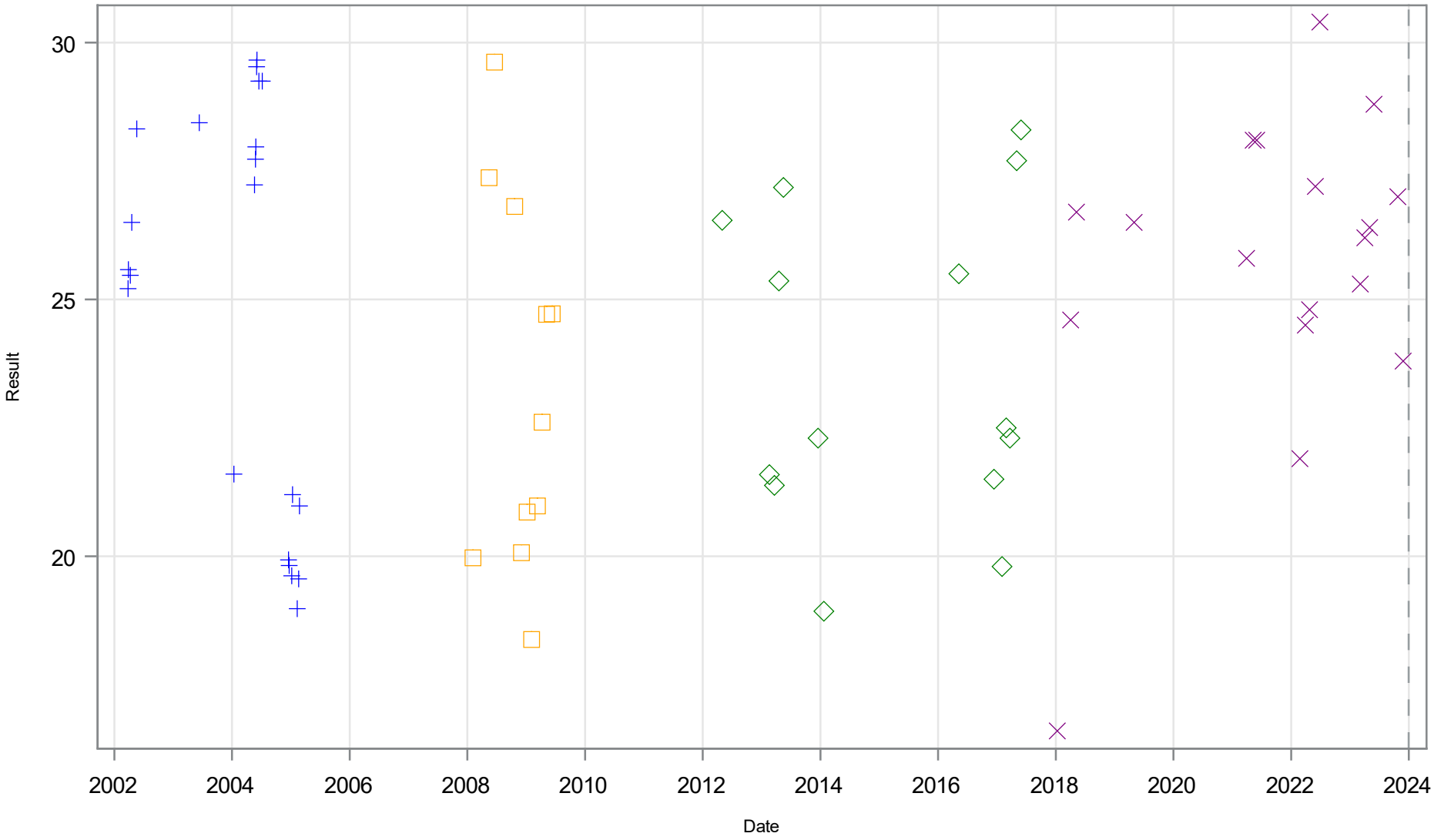
Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR15 SN 800055



Period of Record: January 1996 through December 2023
Analysis Days Only

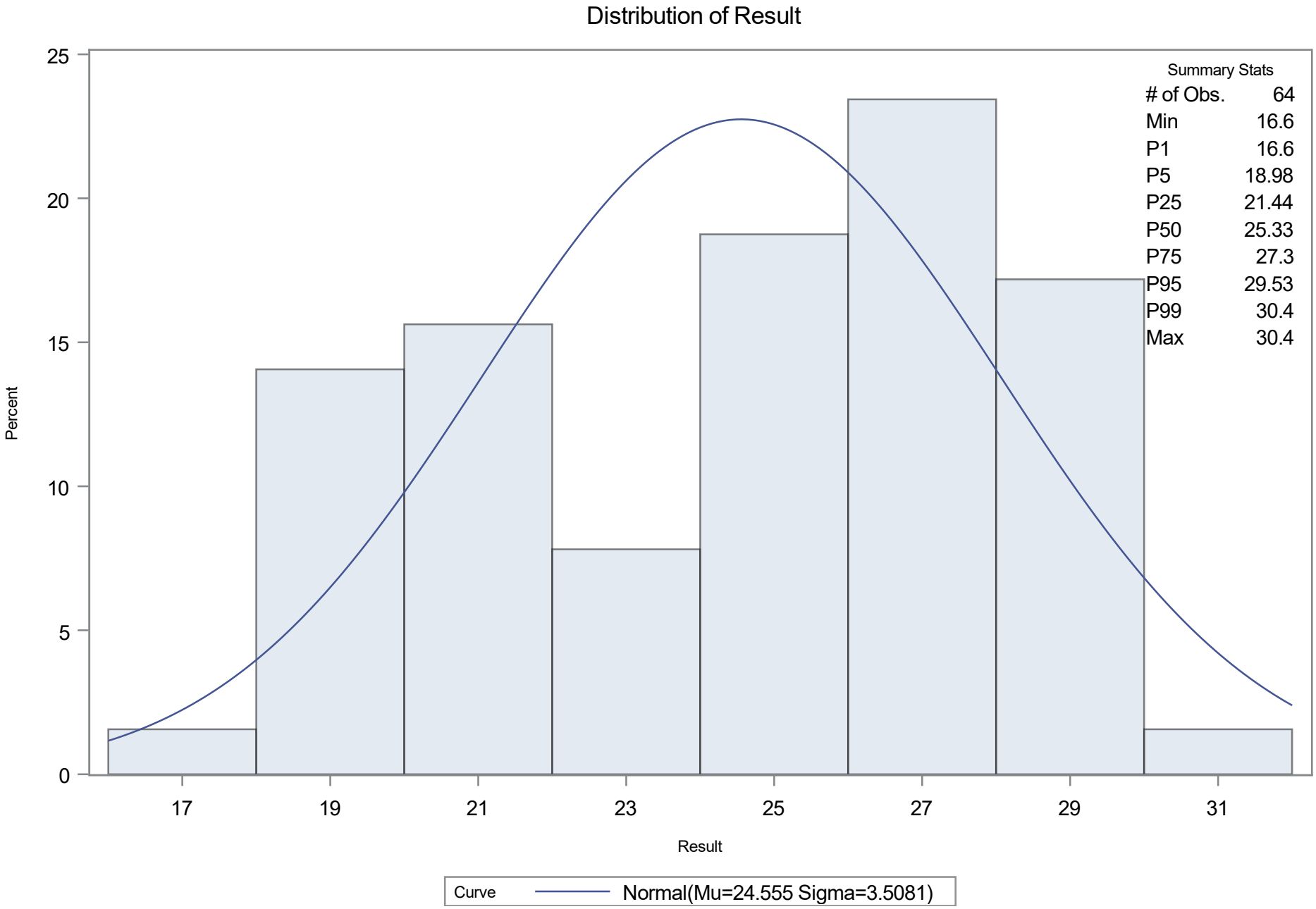
DRAFT

Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.55484
Std Dev	Sigma	3.508091

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10679601	**Pr > D**	0.070
Cramer-von Mises	**W-Sq**	0.21762770	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.21928093	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.6000	16.3938
5.0	18.9800	18.7845
10.0	19.8000	20.0590
25.0	21.4400	22.1887
50.0	25.3300	24.5548
75.0	27.3000	26.9210
90.0	28.8000	29.0506
95.0	29.5300	30.3251
99.0	30.4000	32.7159

Period of Record: January 1996 through December 2023
Analysis Days Only

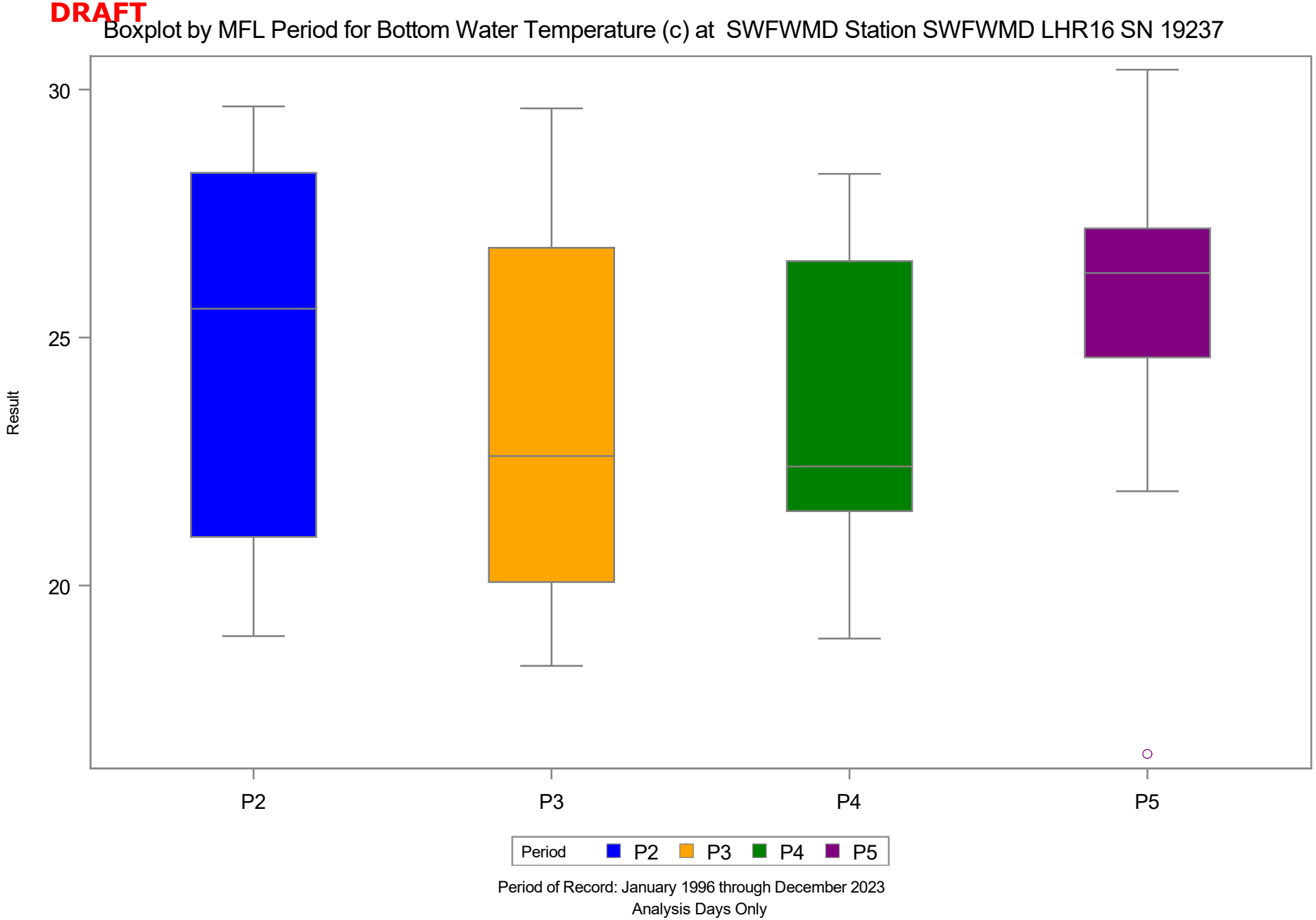
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	18.98	20.98	24.85	25.58	28.32	29.66
P3	11	18.38	20.07	23.28	22.61	26.81	29.62
P4	14	18.93	21.50	23.63	22.40	26.54	28.30
P5	18	16.60	24.60	25.71	26.30	27.20	30.40

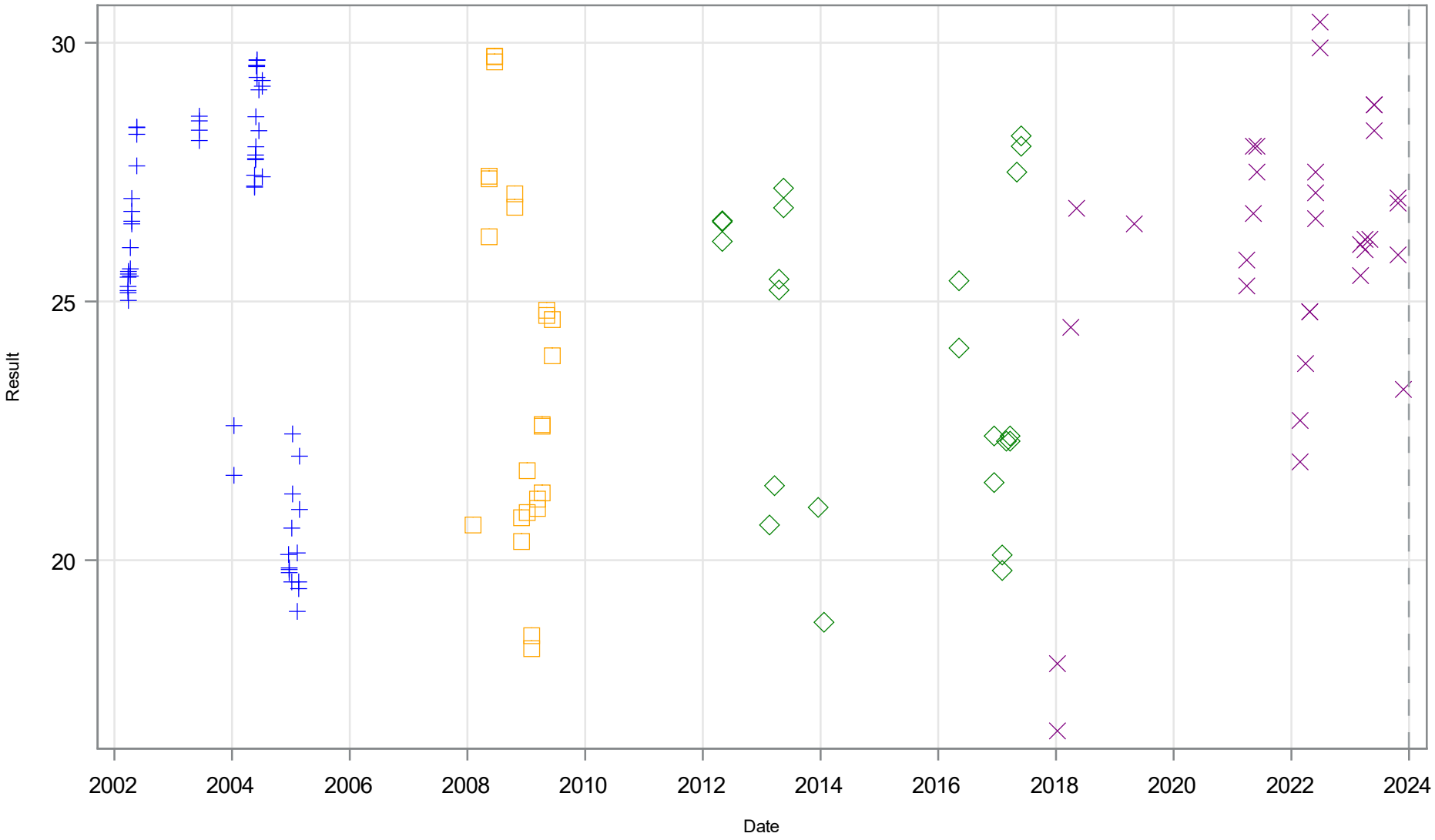
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
30
25
20
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

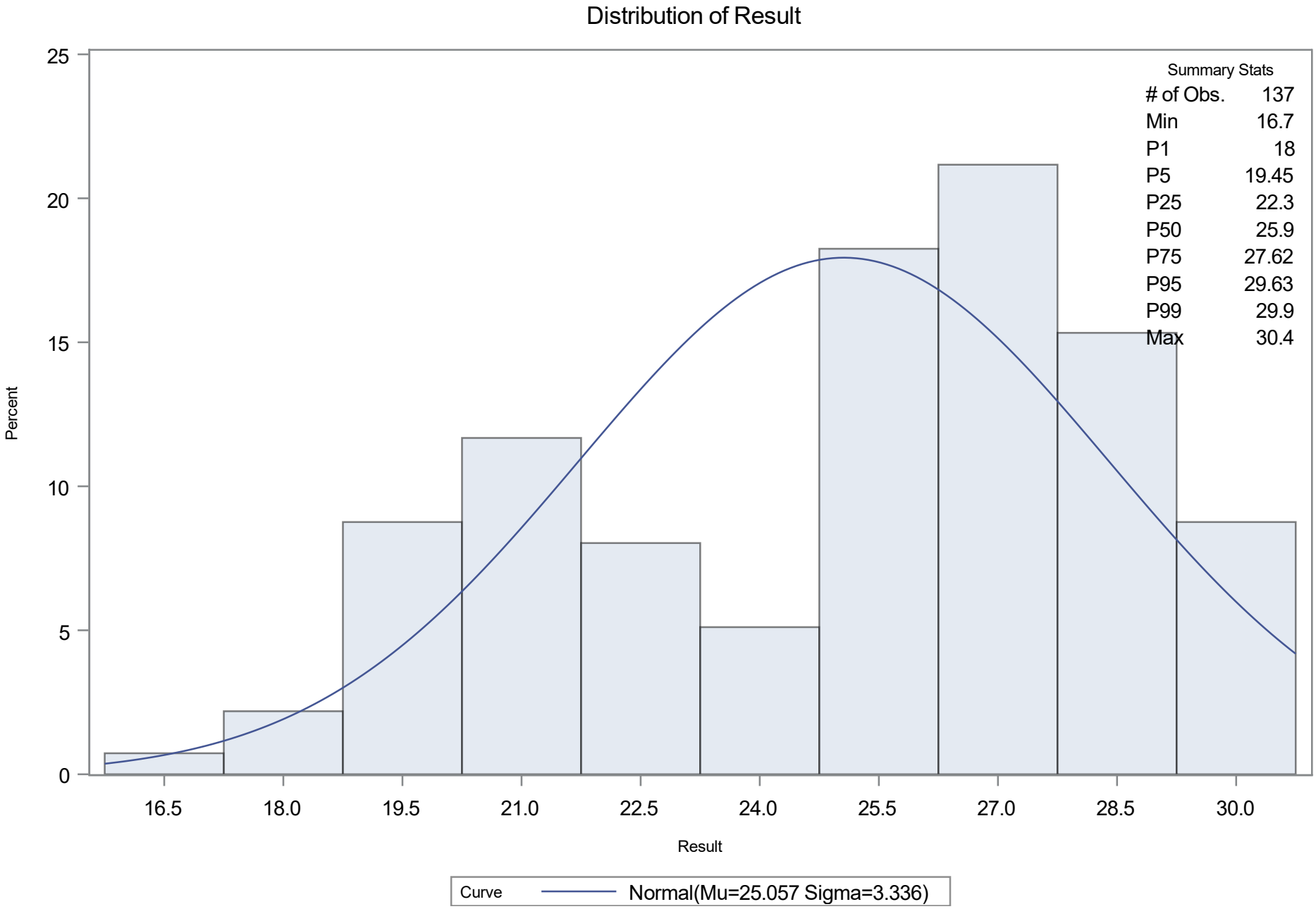
Timeseries of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.0573
Std Dev	Sigma	3.335969

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11931452	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.55671798	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.09142268	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.0000	17.2967
5.0	19.4500	19.5701
10.0	20.1000	20.7821
25.0	22.3000	22.8072
50.0	25.9000	25.0573
75.0	27.6200	27.3074
90.0	29.0900	29.3325
95.0	29.6300	30.5445
99.0	29.9000	32.8179

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

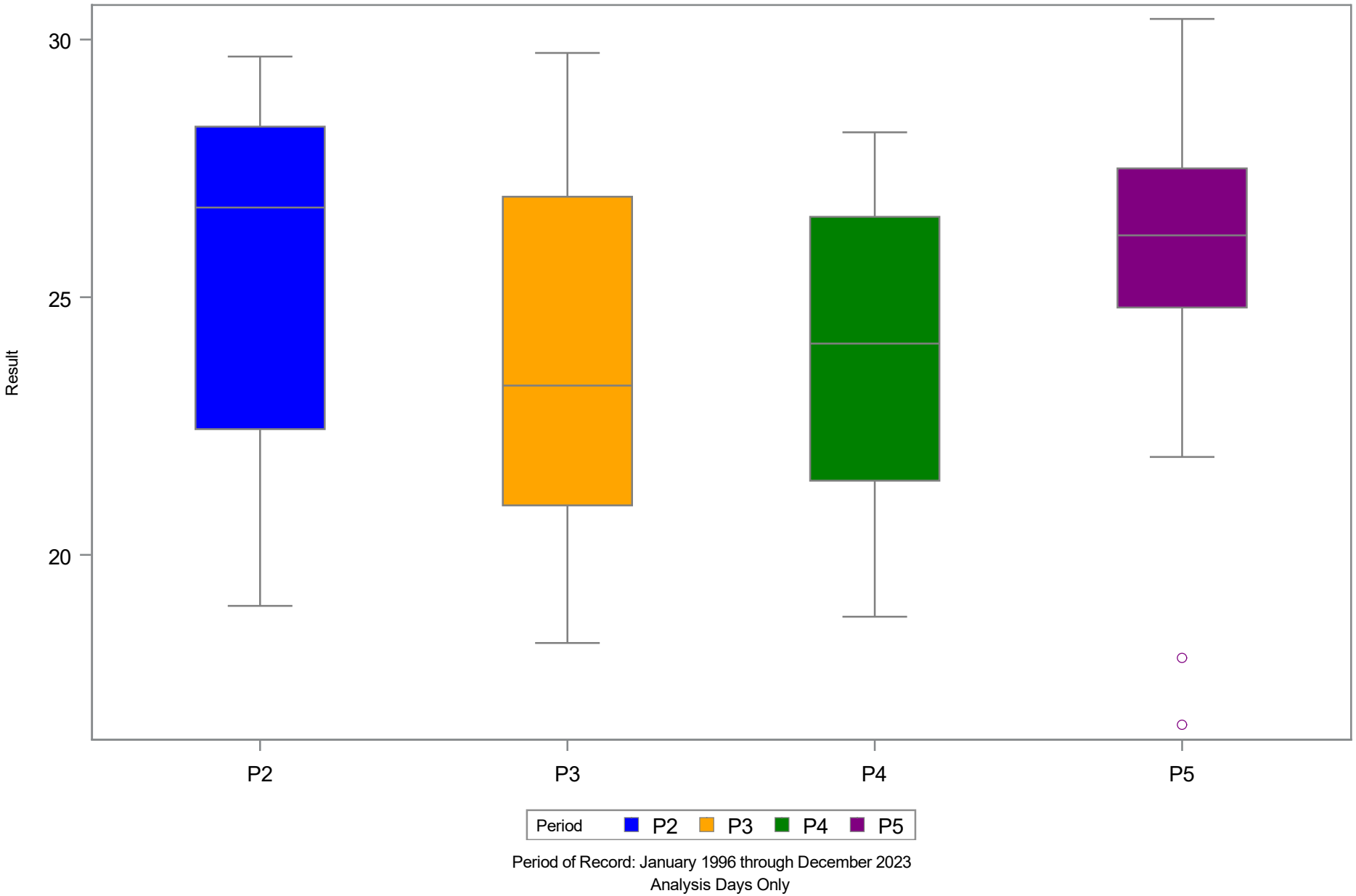
Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	57	19.01	22.44	25.59	26.74	28.31	29.67
P3	24	18.29	20.96	23.84	23.29	26.95	29.74
P4	23	18.80	21.44	23.91	24.10	26.56	28.20
P5	33	16.70	24.80	25.83	26.20	27.50	30.40

Period of Record: January 1996 through December 2023
Analysis Days Only

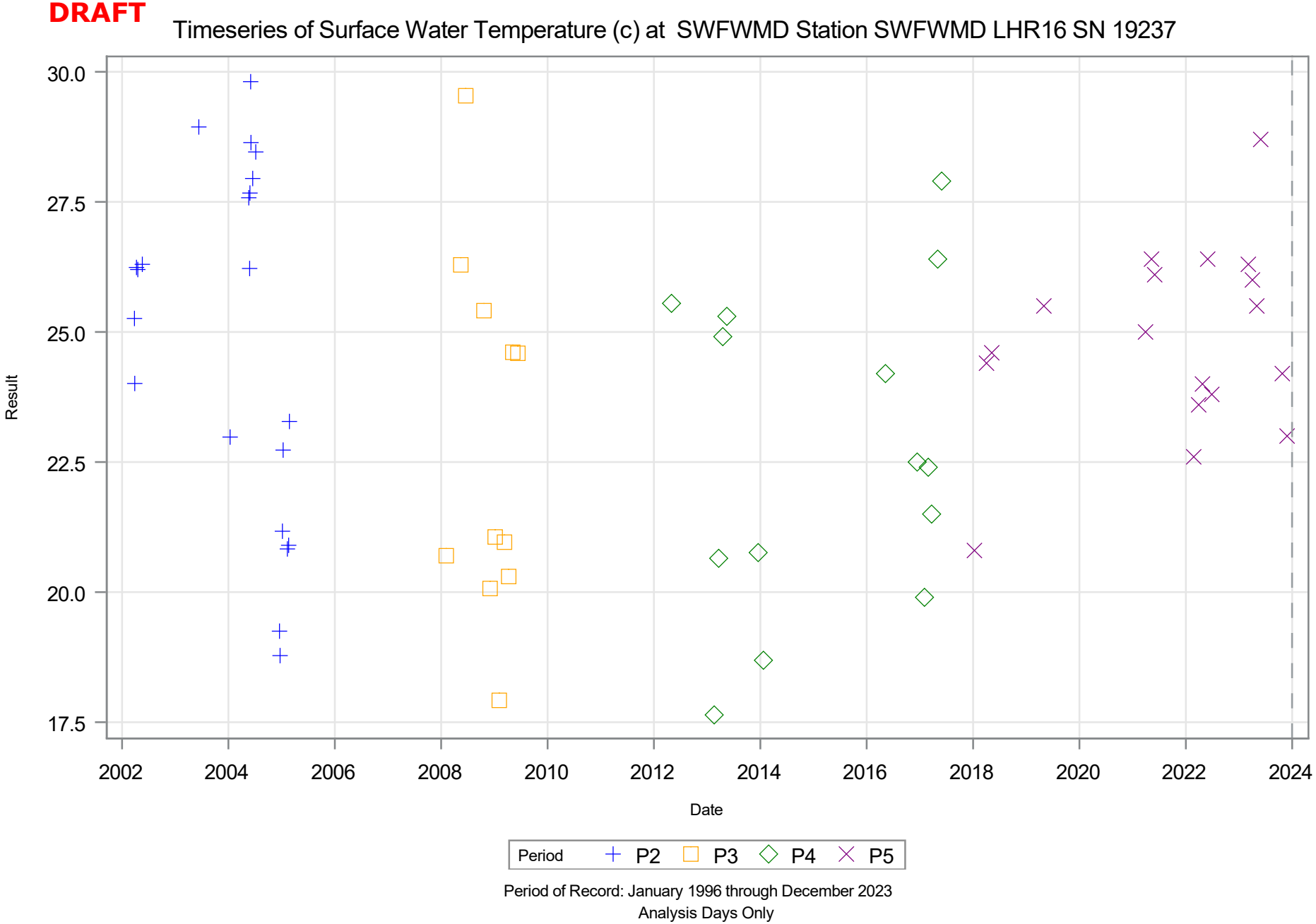
DRAFT

Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237

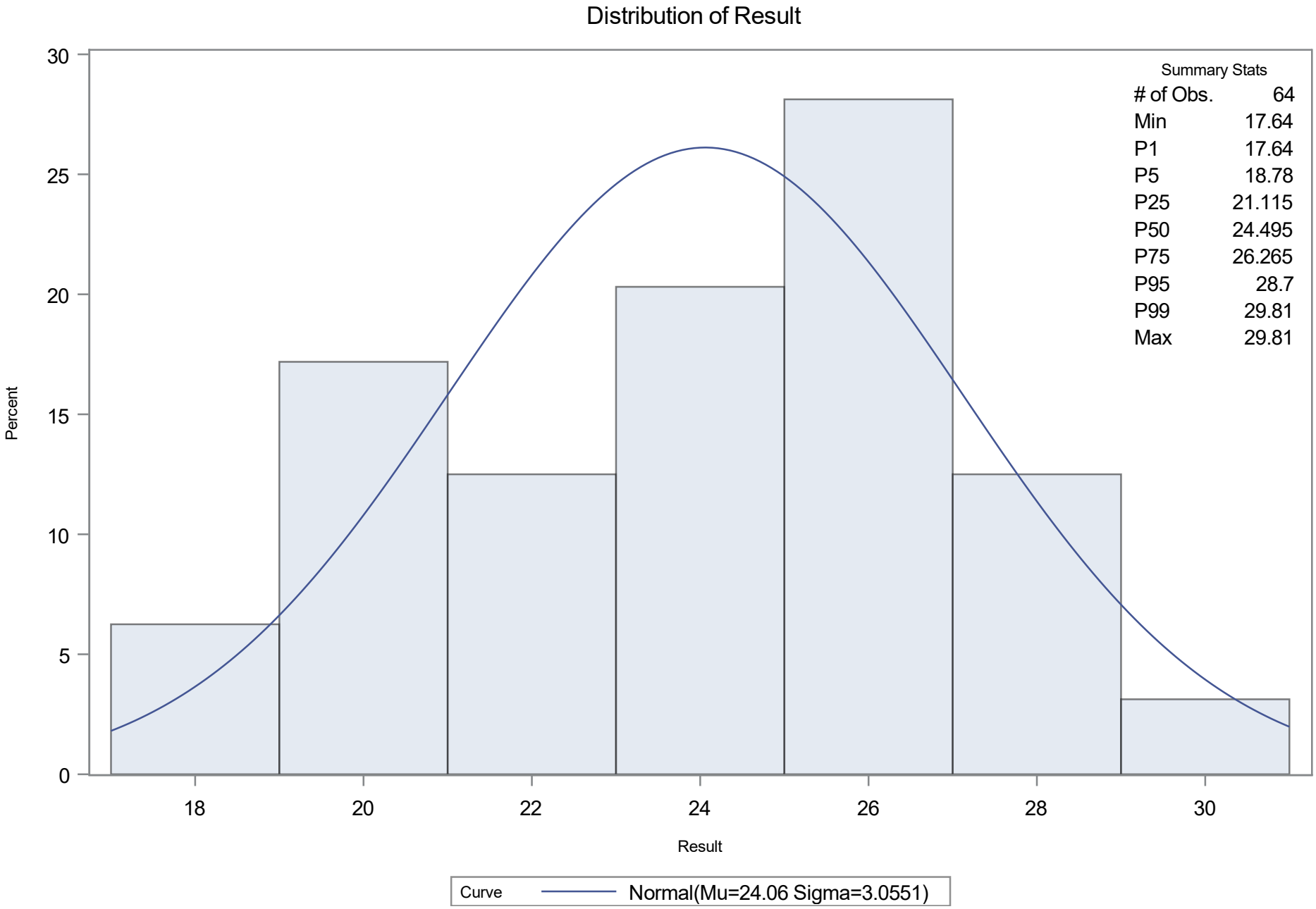


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
30.0
27.5
25.0
22.5
20.0
17.5
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.06016
Std Dev	Sigma	3.055072

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09355560	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09810552	**Pr > W-Sq**	0.120
Anderson-Darling	**A-Sq**	0.57129299	**Pr > A-Sq**	0.138

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.6400	16.9530
5.0	18.7800	19.0350
10.0	20.0700	20.1449
25.0	21.1150	21.9995
50.0	24.4950	24.0602
75.0	26.2650	26.1208
90.0	27.9500	27.9754
95.0	28.7000	29.0853
99.0	29.8100	31.1673

Period of Record: January 1996 through December 2023
Analysis Days Only

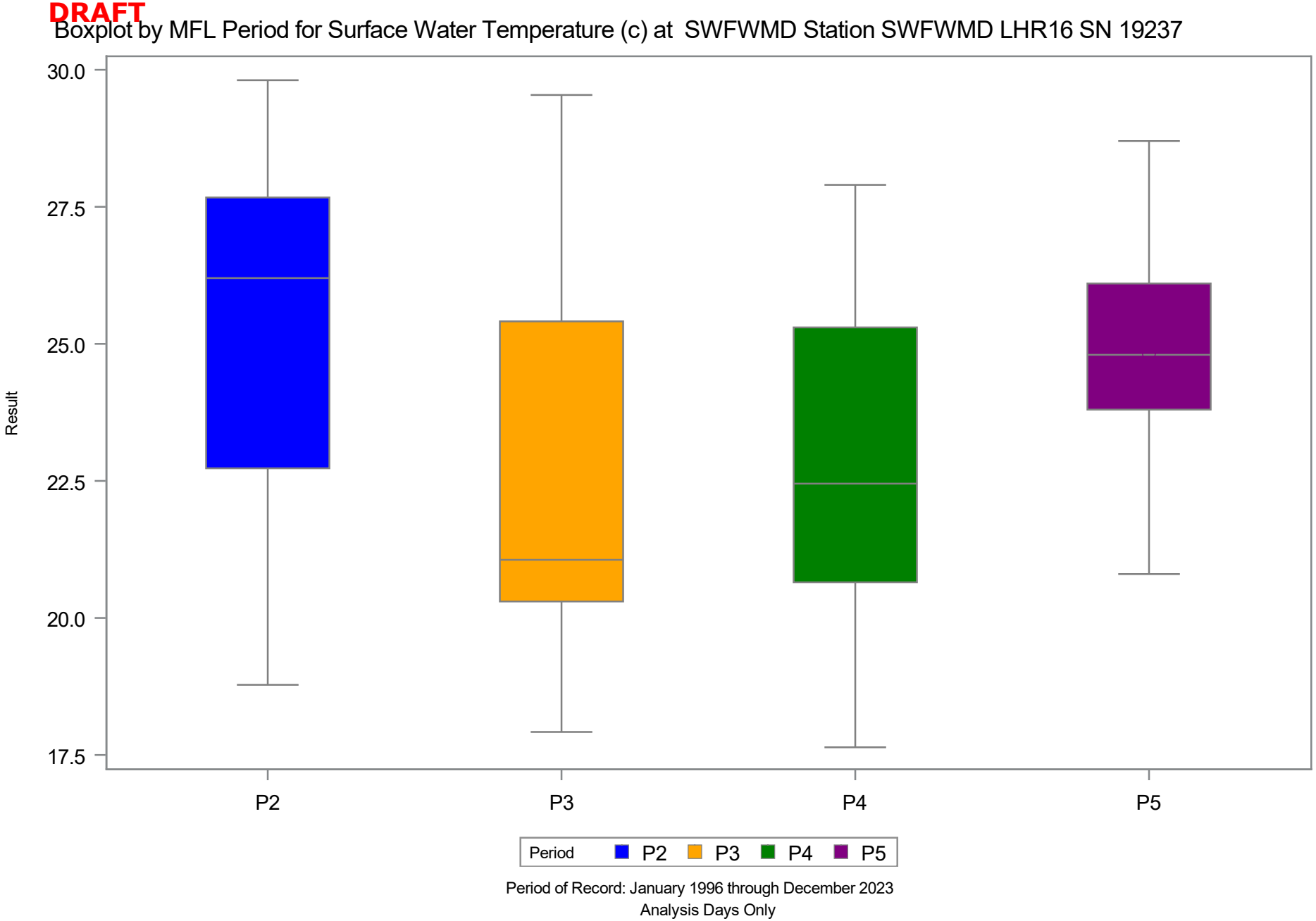
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237

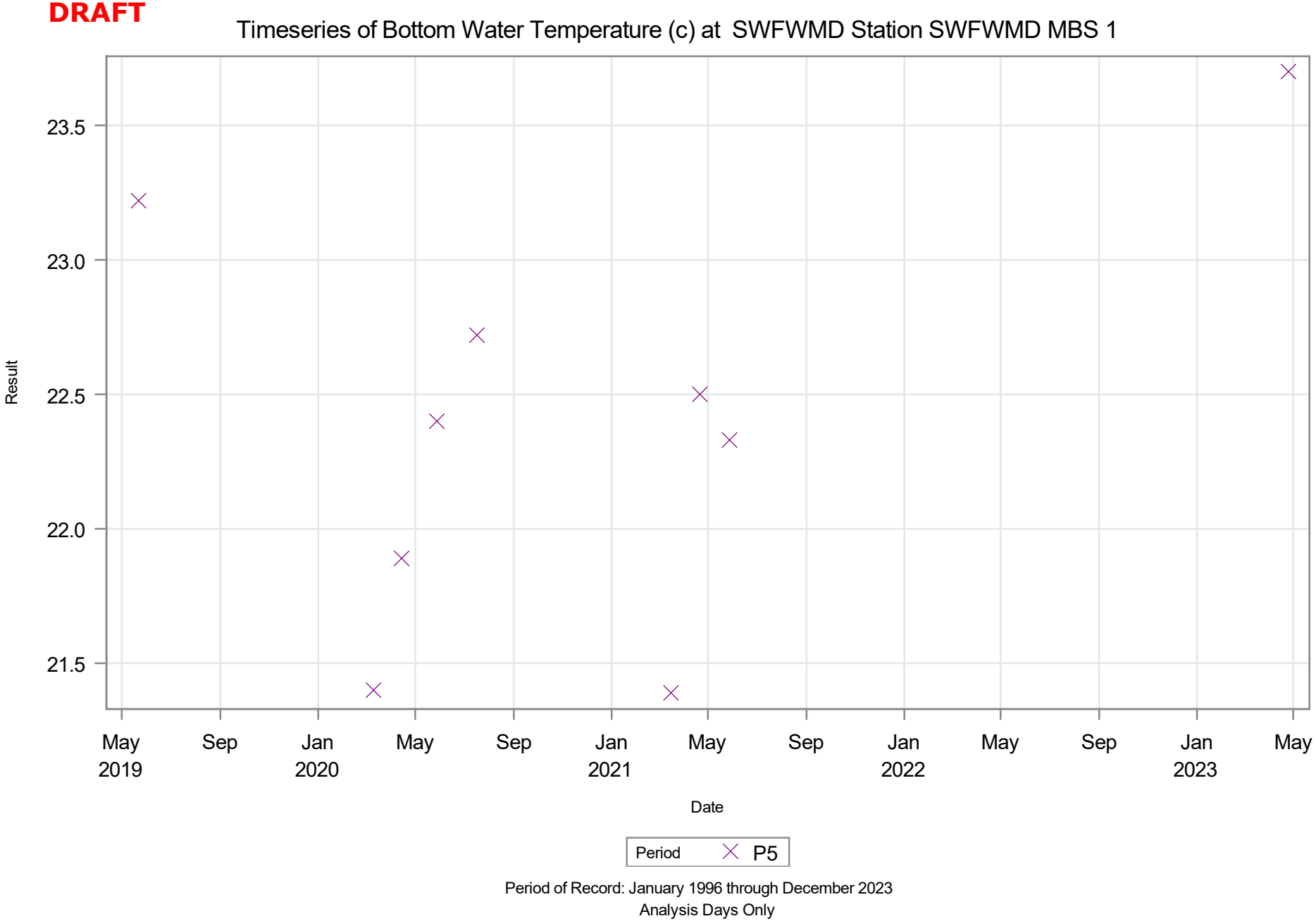
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	21	18.78	22.73	24.91	26.20	27.67	29.81
P3	11	17.92	20.30	22.86	21.06	25.41	29.54
P4	14	17.64	20.65	22.74	22.45	25.30	27.90
P5	18	20.80	23.80	24.83	24.80	26.10	28.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

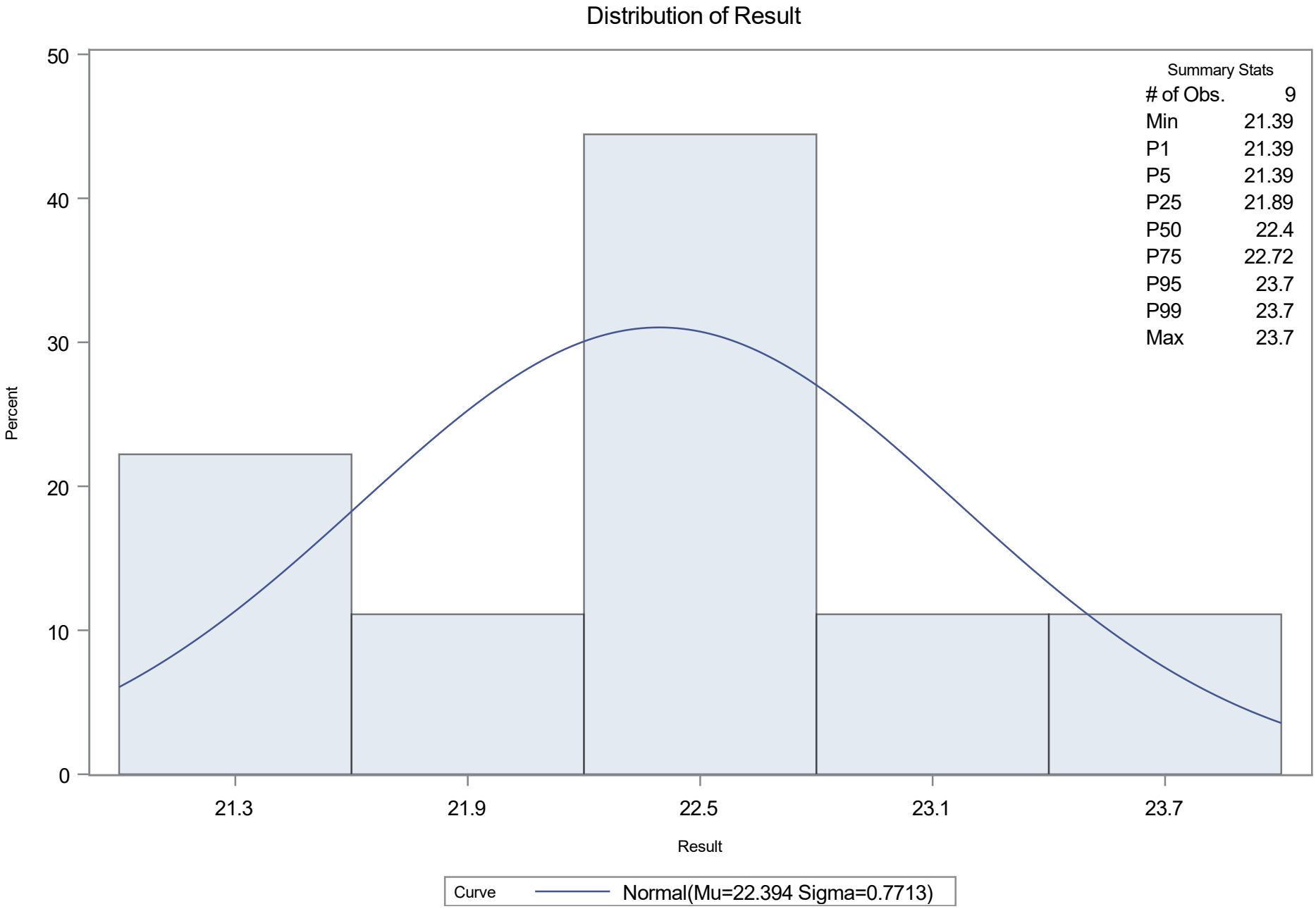

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
30.0
27.5
25.0
22.5
20.0
17.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 1
Result
23.5
23.0
22.5
22.0
21.5
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.39444
Std Dev	Sigma	0.771332

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13337395	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02943163	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.21247617	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.3900	20.6001
5.0	21.3900	21.1257
10.0	21.3900	21.4059
25.0	21.8900	21.8742
50.0	22.4000	22.3944
75.0	22.7200	22.9147
90.0	23.7000	23.3829
95.0	23.7000	23.6632
99.0	23.7000	24.1888

Period of Record: January 1996 through December 2023
Analysis Days Only

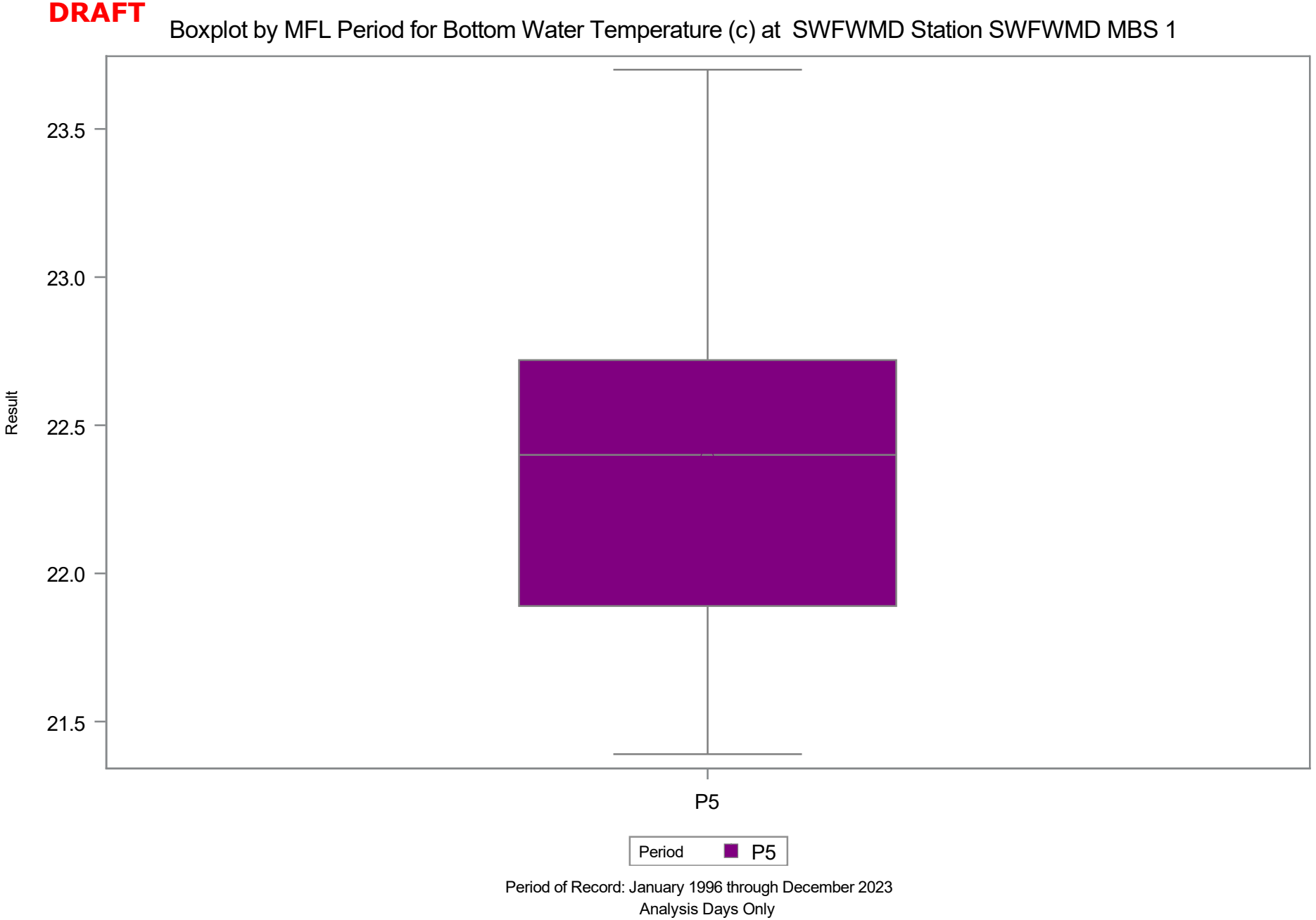
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 1

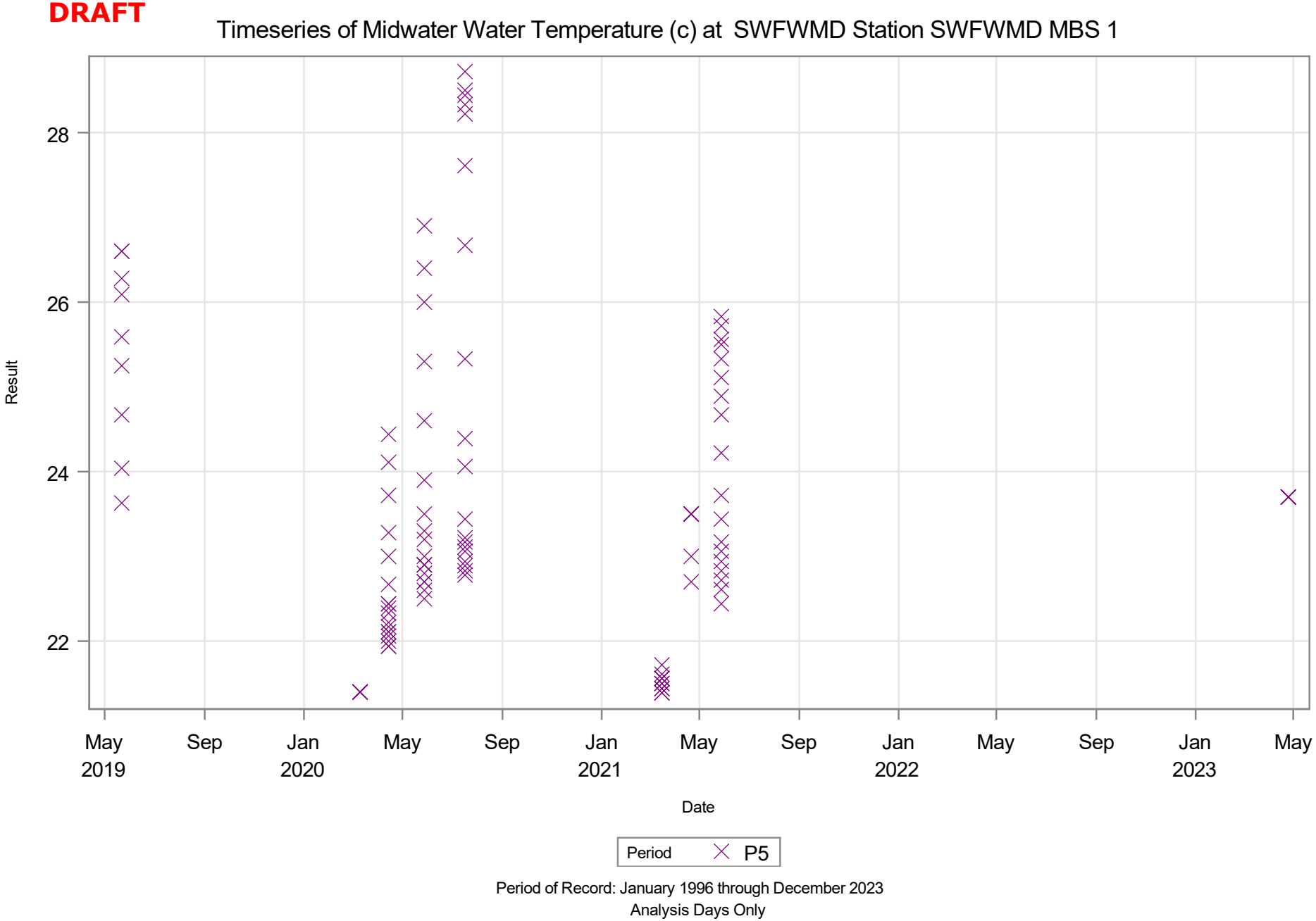
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	21.39	21.89	22.39	22.40	22.72	23.70

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 1
Result
23.5
23.0
22.5
22.0
21.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

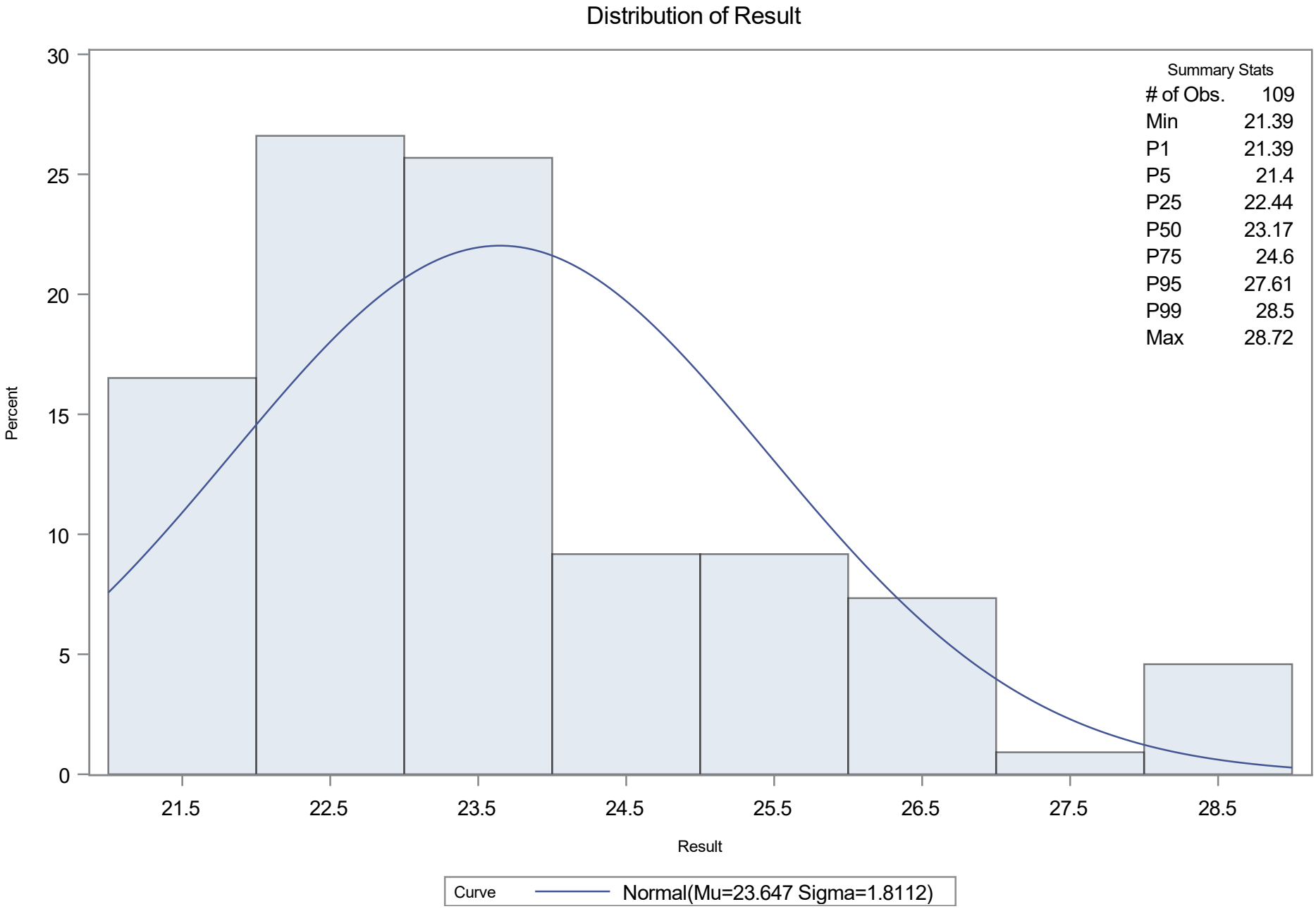
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.64734
Std Dev	Sigma	1.811179

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16289868	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.51345318	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.97790895	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.3900	19.4339
5.0	21.4000	20.6682
10.0	21.5000	21.3262
25.0	22.4400	22.4257
50.0	23.1700	23.6473
75.0	24.6000	24.8690
90.0	26.4000	25.9685
95.0	27.6100	26.6265
99.0	28.5000	27.8608

Period of Record: January 1996 through December 2023
Analysis Days Only

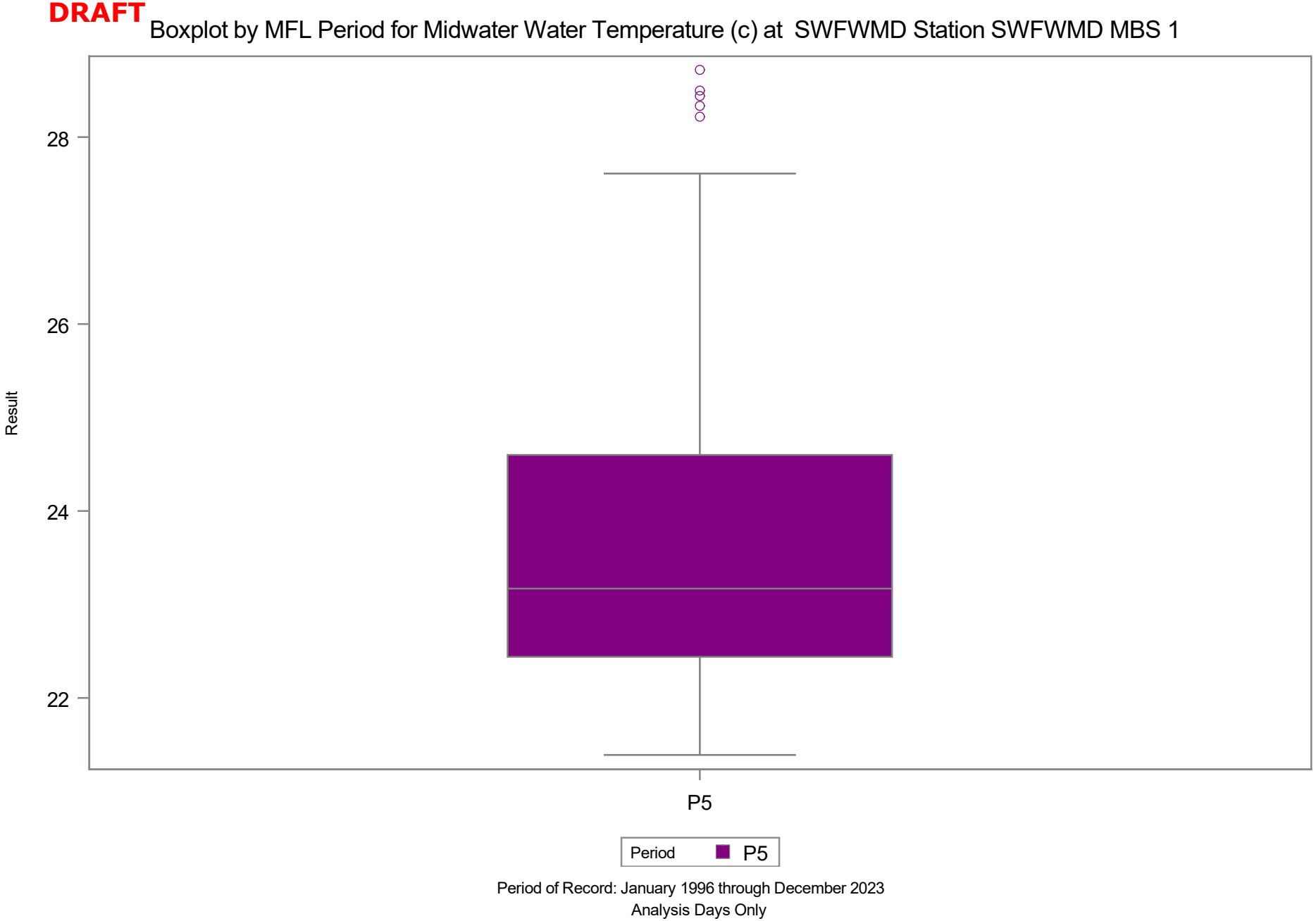
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 1

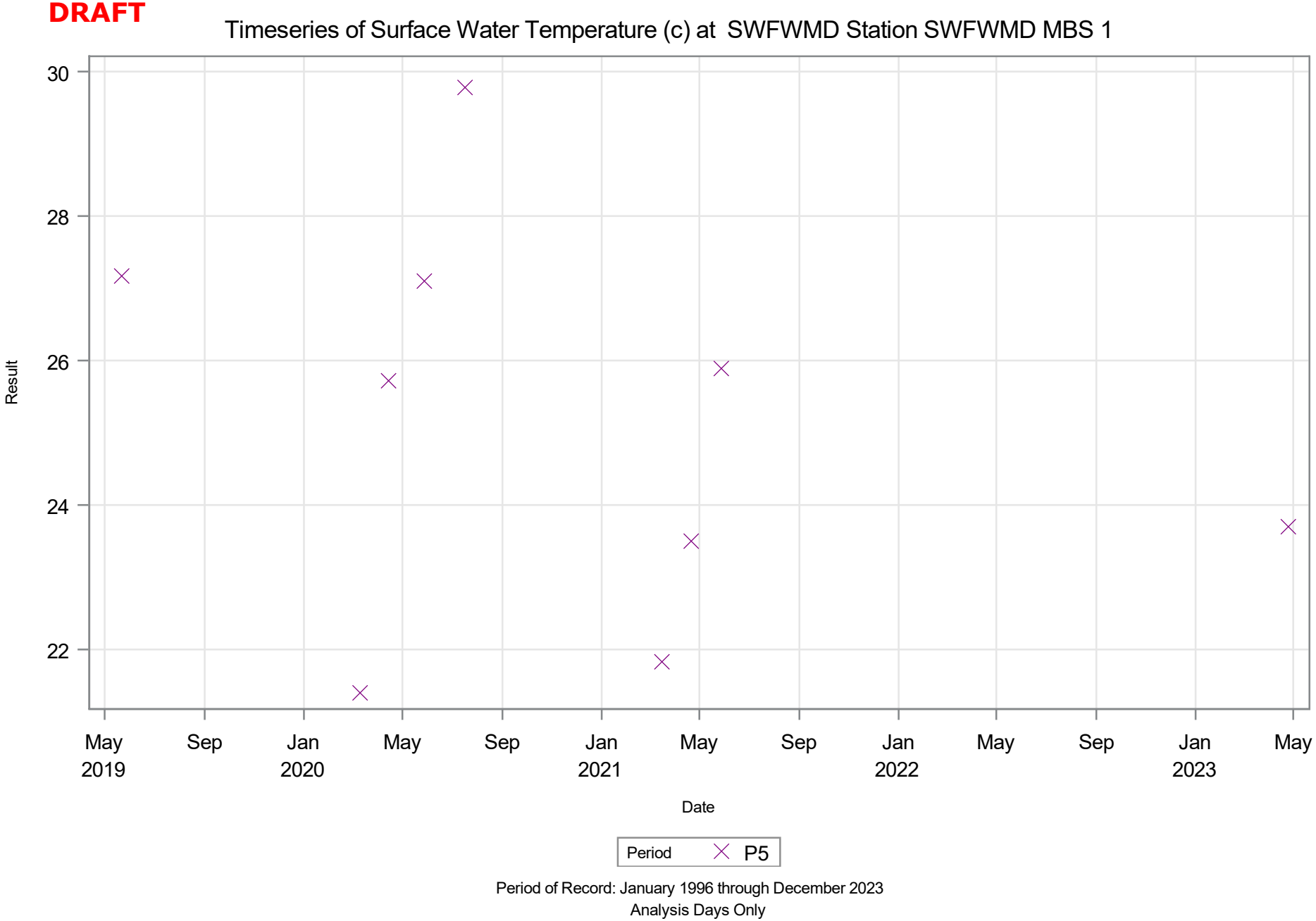
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	109	21.39	22.44	23.65	23.17	24.60	28.72

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

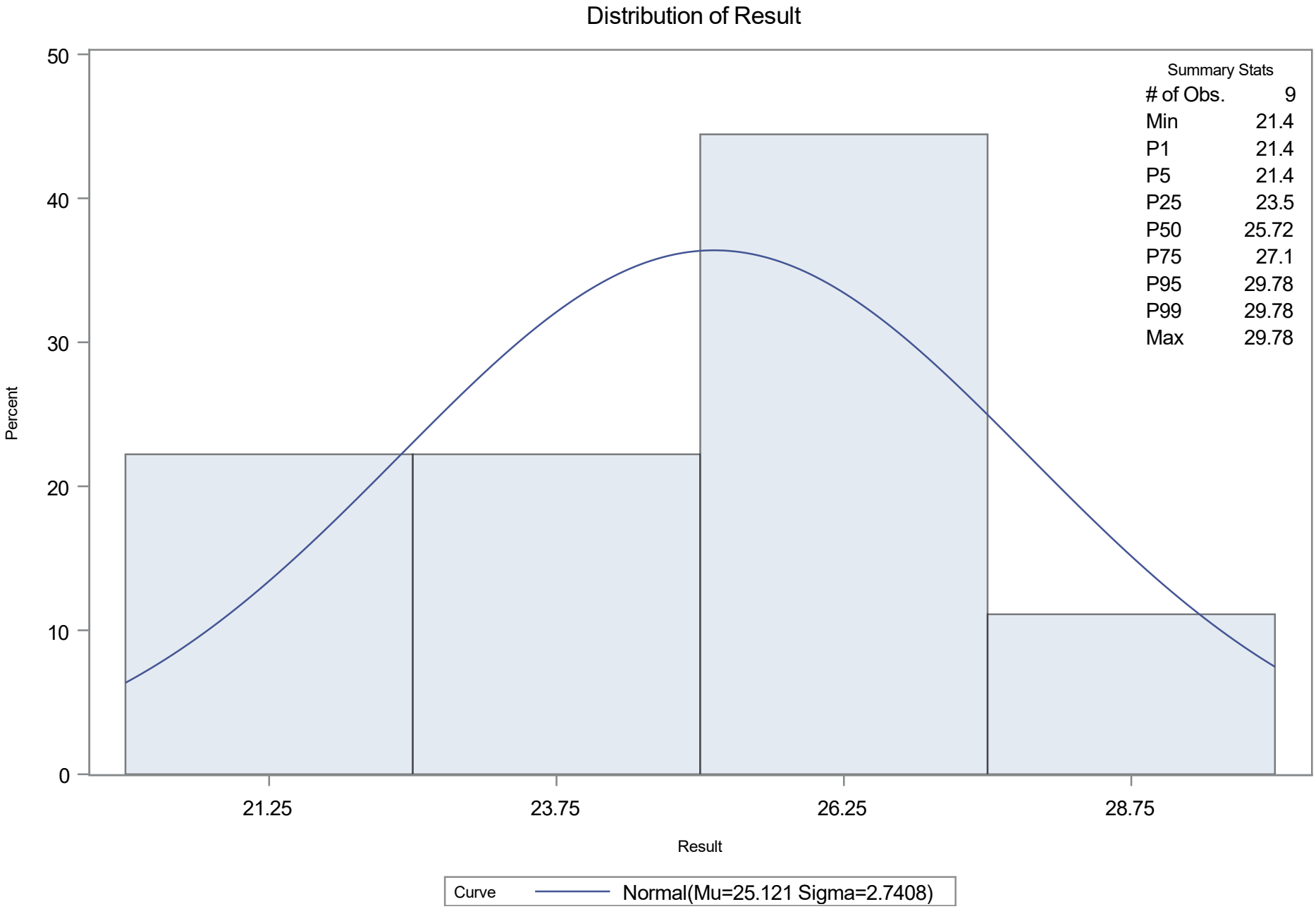

Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 1
Result
28
26
24
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 1
Result
30
28
26
24
22
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 1



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 1

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.12111
Std Dev	Sigma	2.740773

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14239231	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03358747	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.22040927	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.4000	18.7451
5.0	21.4000	20.6129
10.0	21.4000	21.6087
25.0	23.5000	23.2725
50.0	25.7200	25.1211
75.0	27.1000	26.9697
90.0	29.7800	28.6336
95.0	29.7800	29.6293
99.0	29.7800	31.4971

Period of Record: January 1996 through December 2023
Analysis Days Only

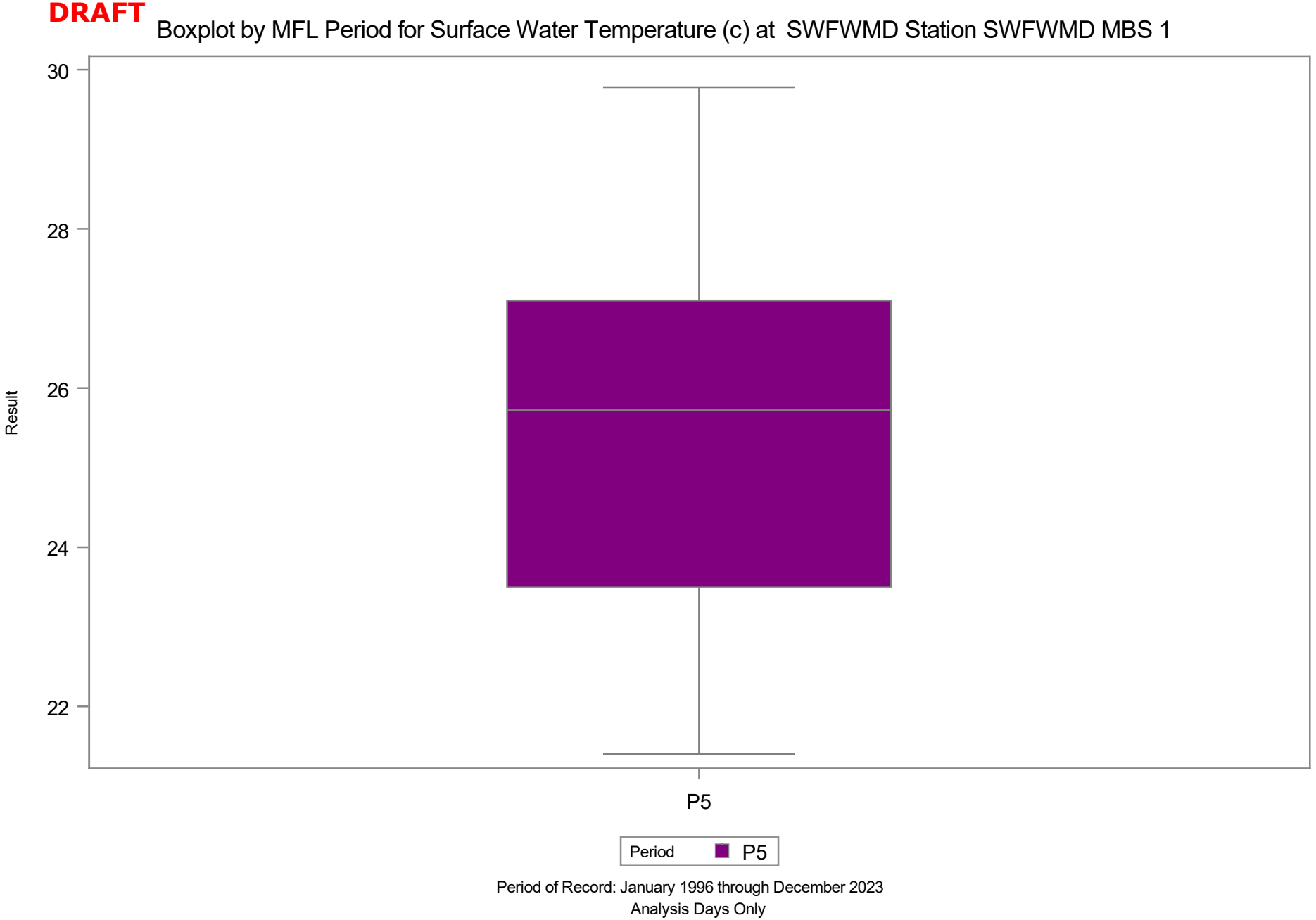
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 1

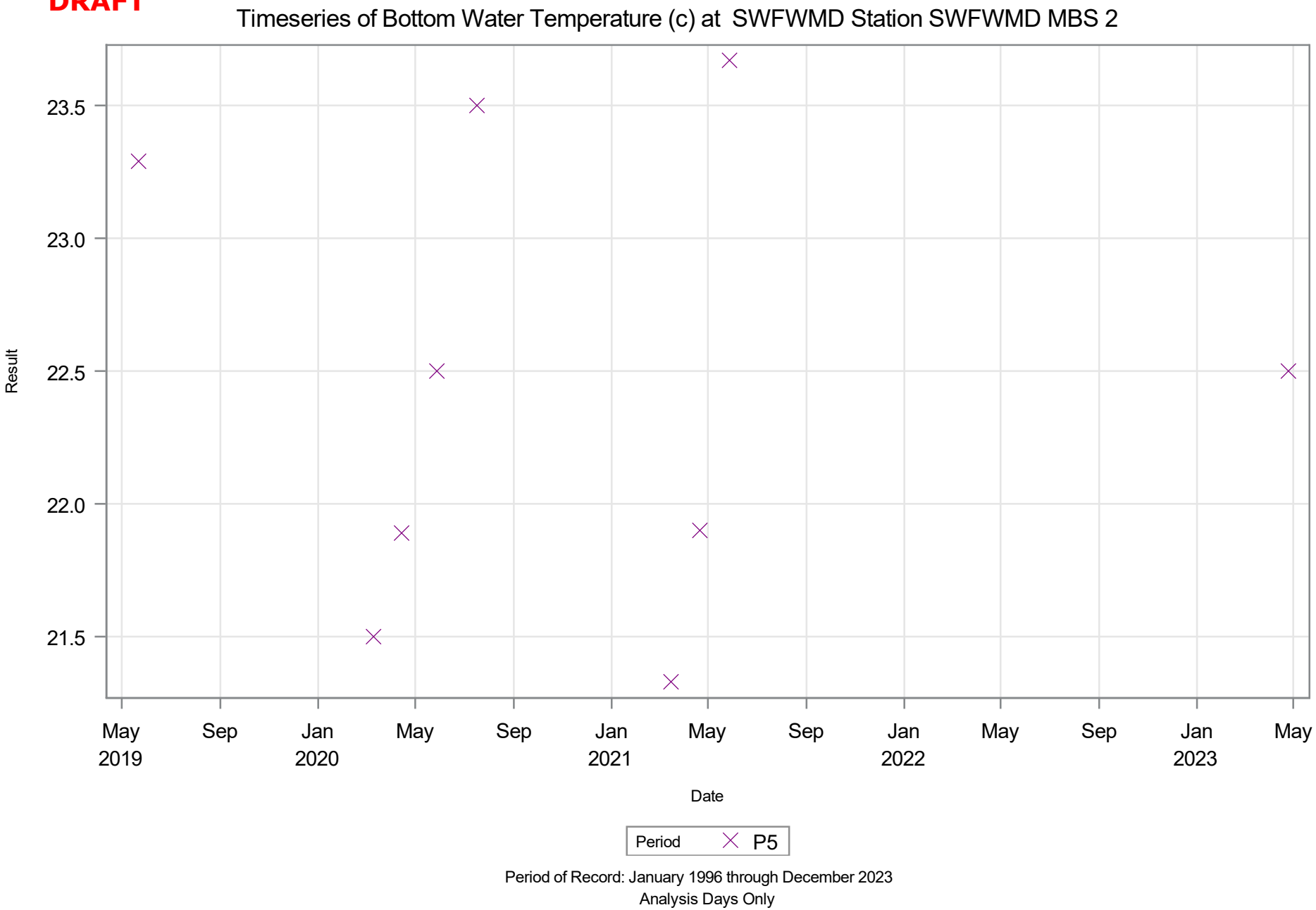
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	21.40	23.50	25.12	25.72	27.10	29.78

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

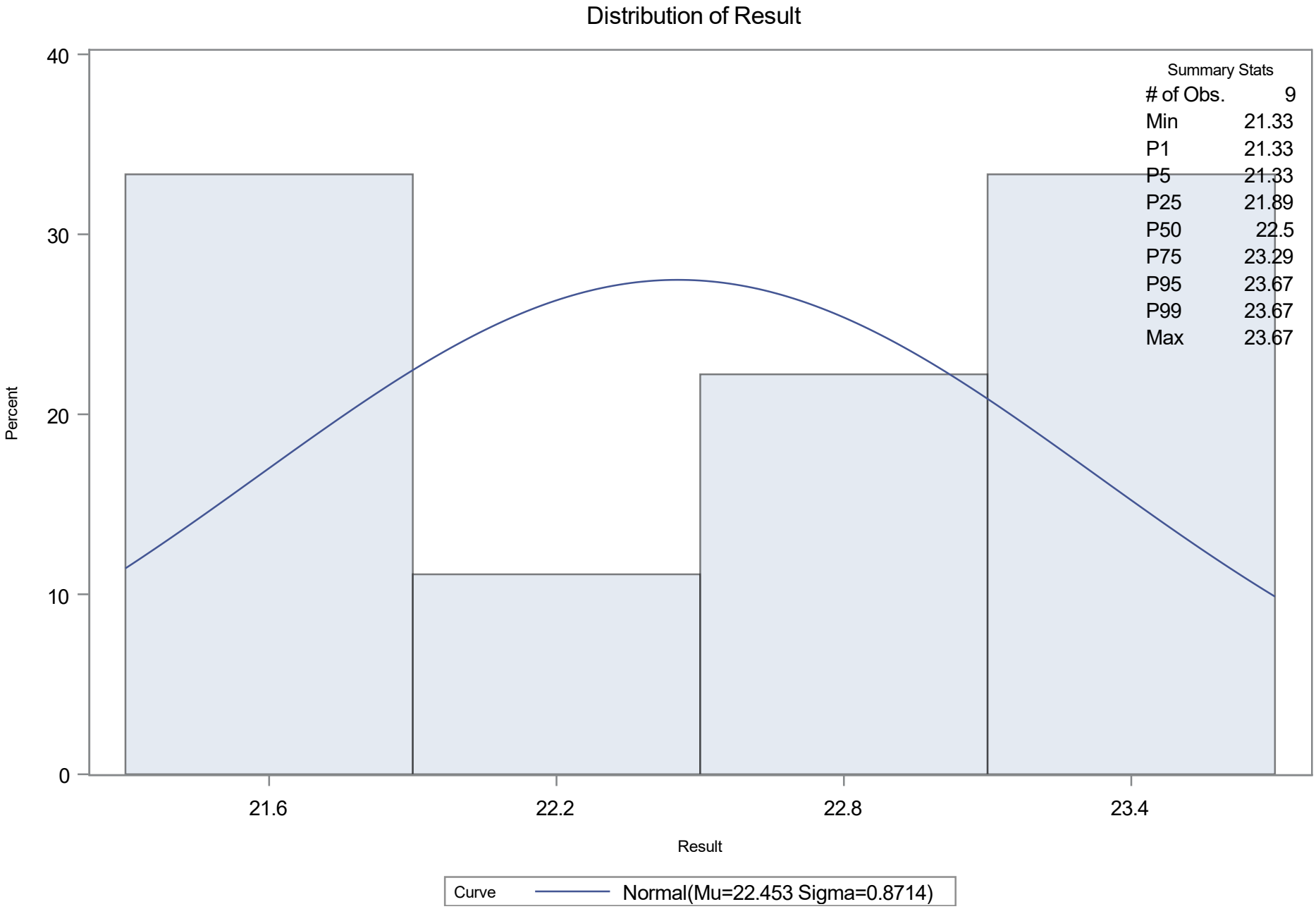

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 1
30
28
26
24
22
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 2
Result
23.5
23.0
22.5
22.0
21.5
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.45333
Std Dev	Sigma	0.871378

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18173329	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05208080	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.33427914	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.3300	20.4262
5.0	21.3300	21.0200
10.0	21.3300	21.3366
25.0	21.8900	21.8656
50.0	22.5000	22.4533
75.0	23.2900	23.0411
90.0	23.6700	23.5700
95.0	23.6700	23.8866
99.0	23.6700	24.4805

Period of Record: January 1996 through December 2023
Analysis Days Only

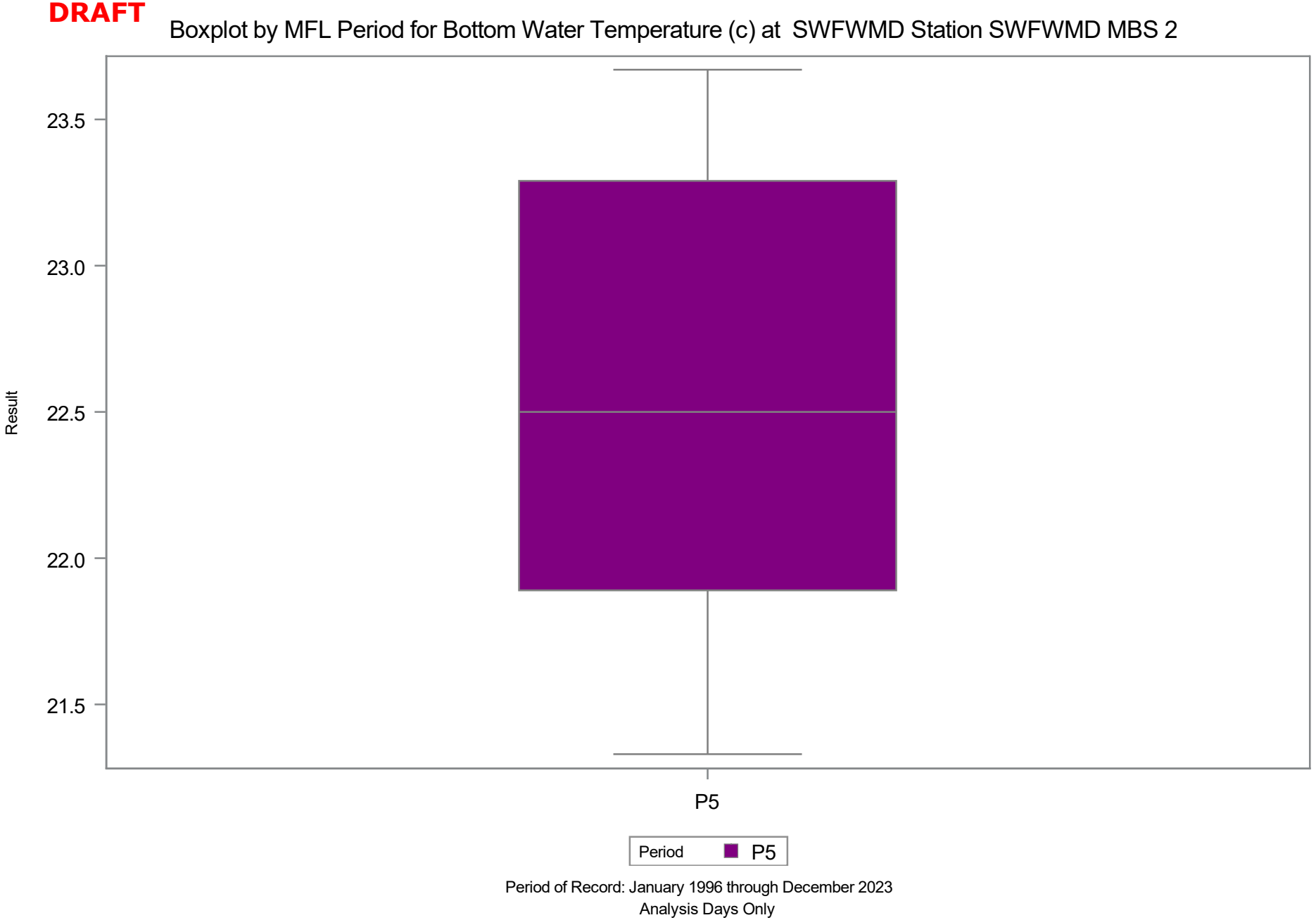
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 2

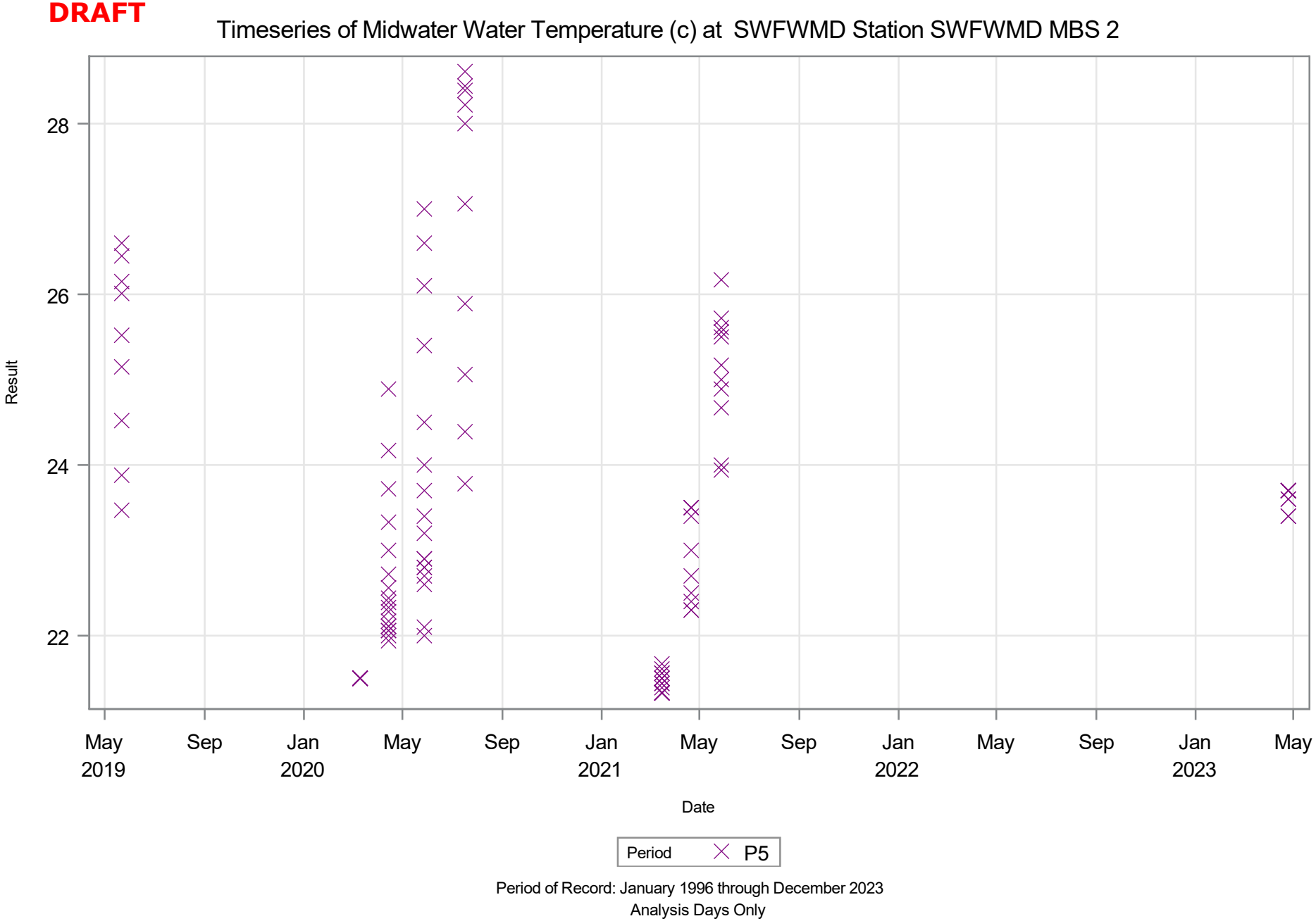
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	21.33	21.89	22.45	22.50	23.29	23.67

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 2
Result
23.5
23.0
22.5
22.0
21.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

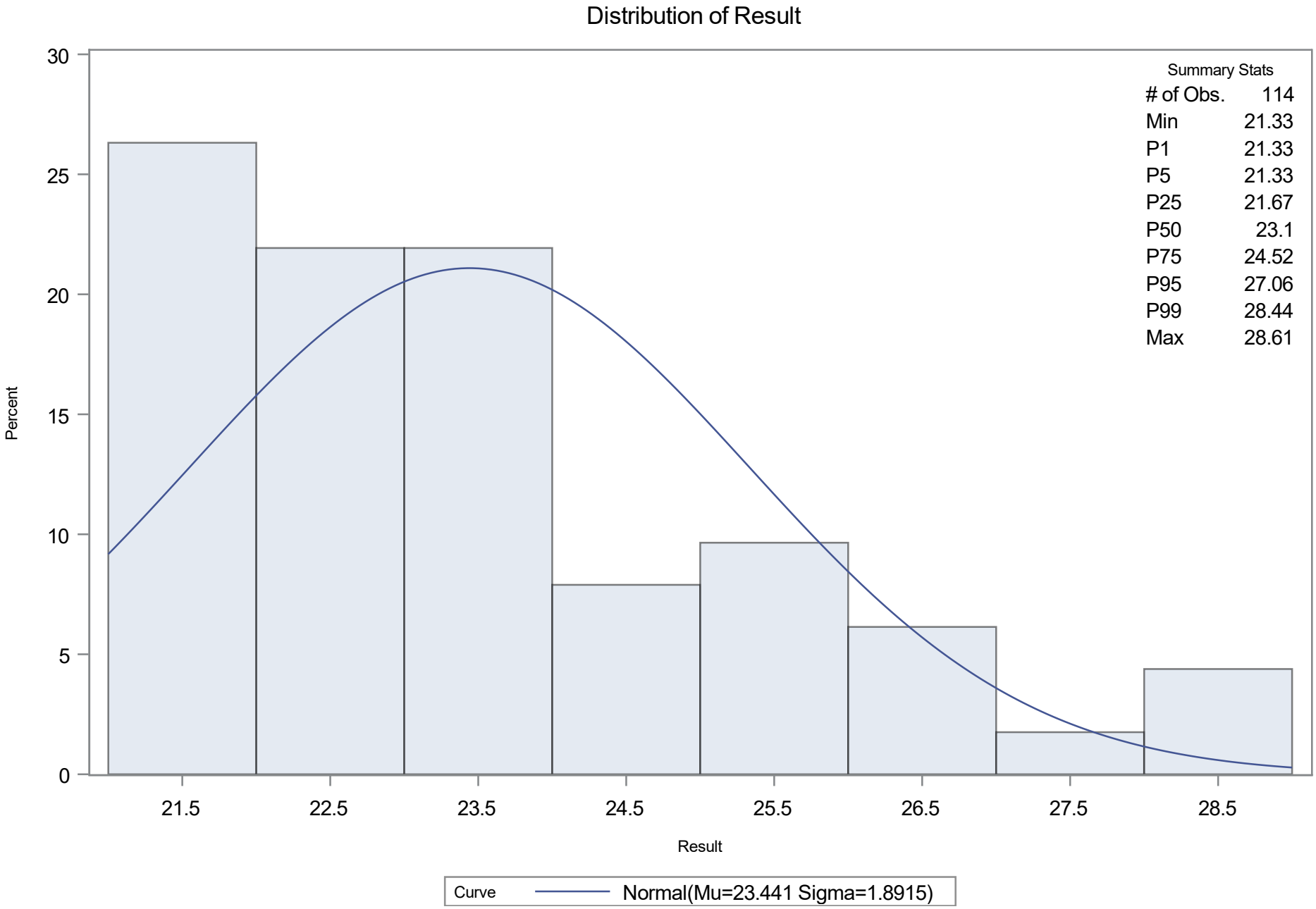
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.4407
Std Dev	Sigma	1.891528

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13223859	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.46482701	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.10675265	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.3300	19.0404
5.0	21.3300	20.3294
10.0	21.4400	21.0166
25.0	21.6700	22.1649
50.0	23.1000	23.4407
75.0	24.5200	24.7165
90.0	26.1500	25.8648
95.0	27.0600	26.5520
99.0	28.4400	27.8411

Period of Record: January 1996 through December 2023
Analysis Days Only

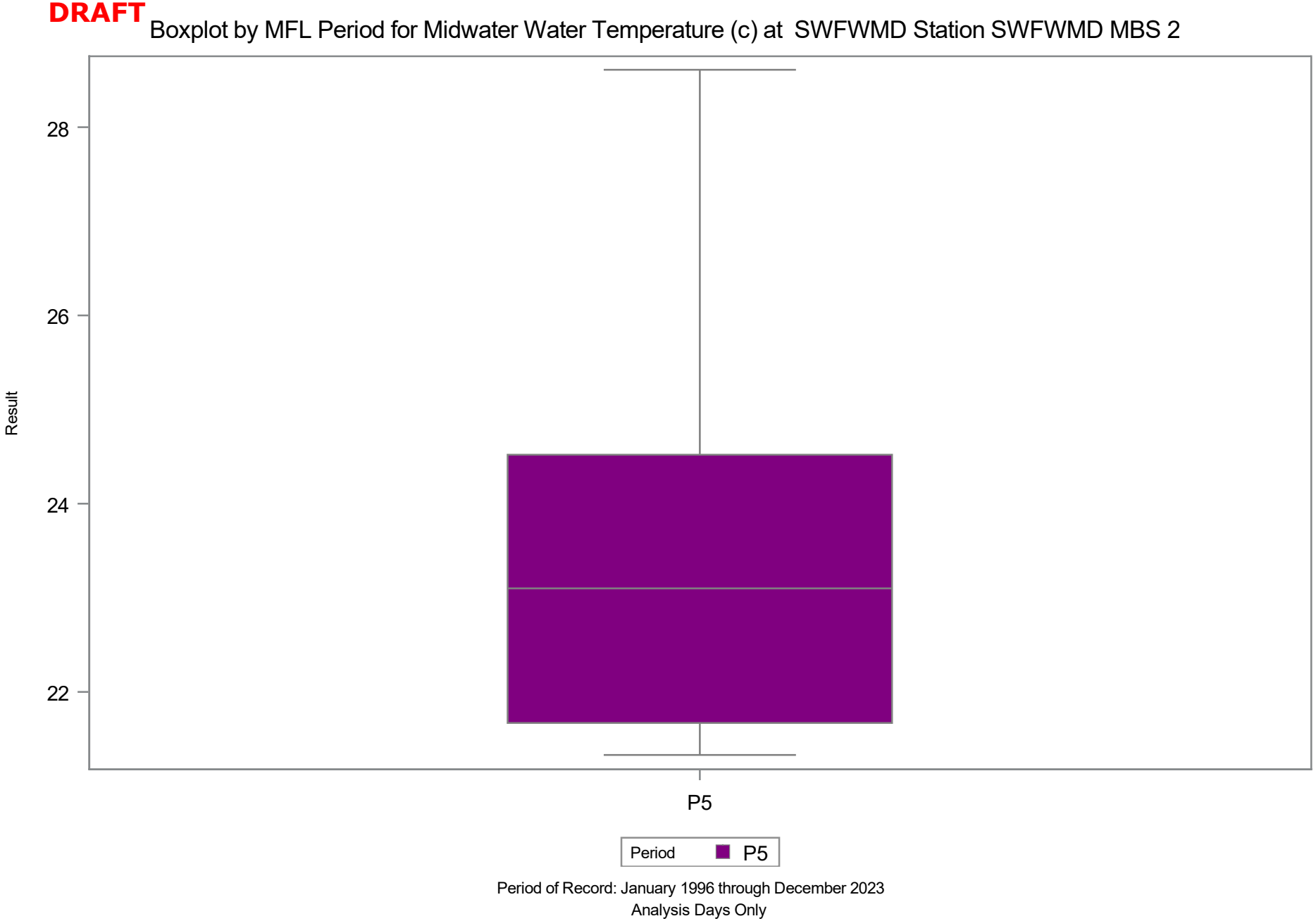
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 2

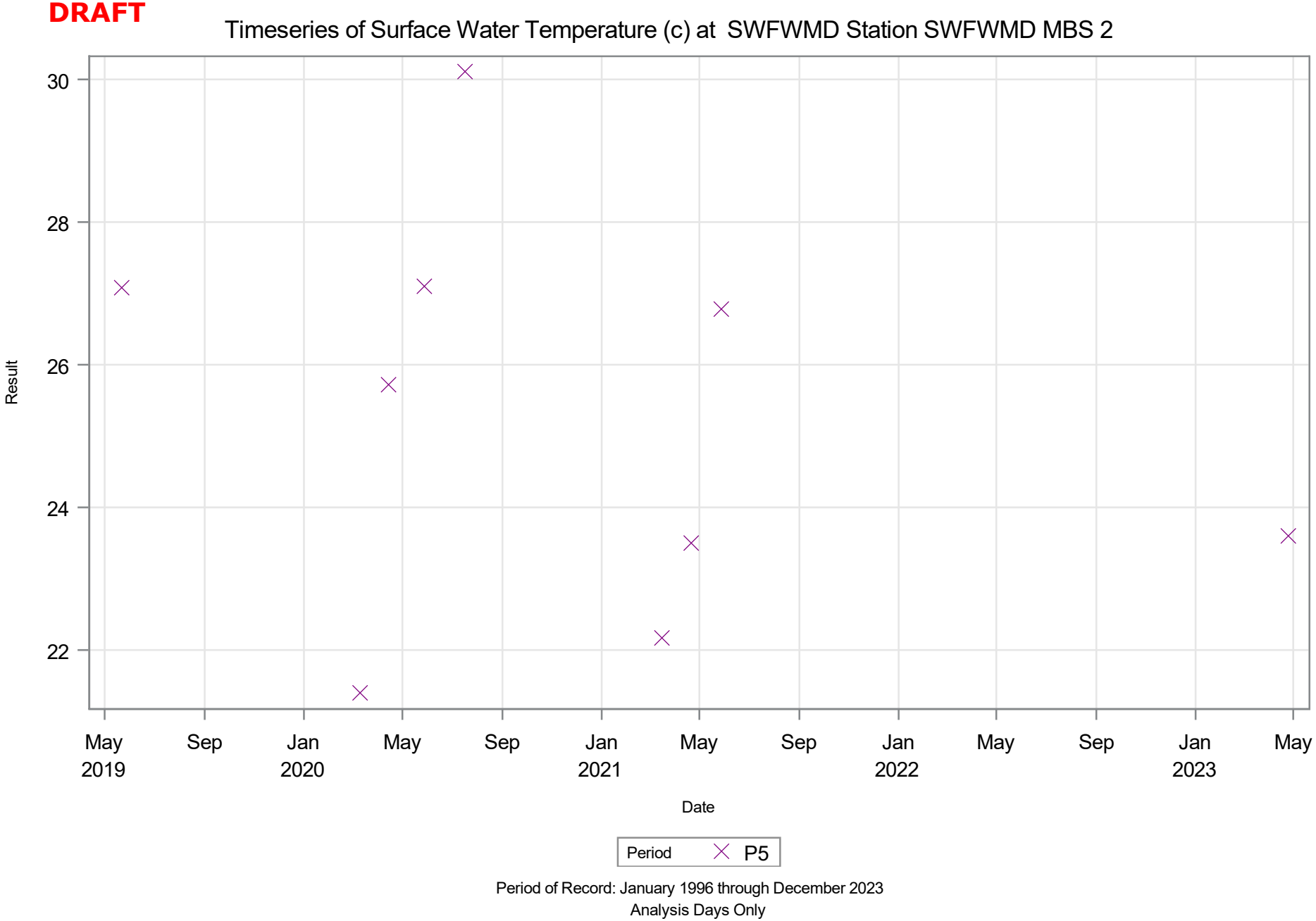
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	114	21.33	21.67	23.44	23.10	24.52	28.61

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 2
Result
28
26
24
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

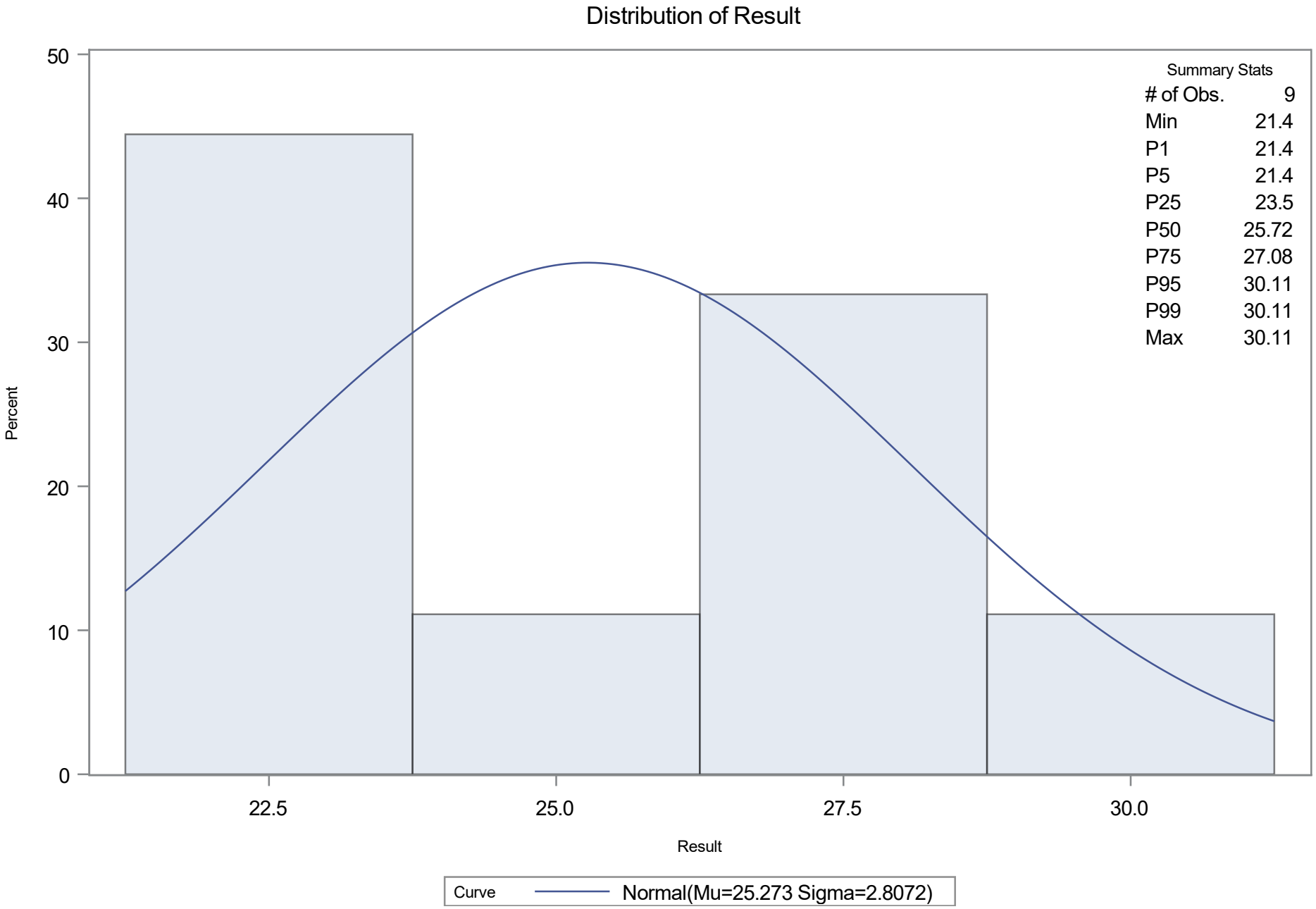
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.27333
Std Dev	Sigma	2.807174

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16888750	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04557138	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27286078	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.4000	18.7429
5.0	21.4000	20.6559
10.0	21.4000	21.6758
25.0	23.5000	23.3799
50.0	25.7200	25.2733
75.0	27.0800	27.1667
90.0	30.1100	28.8709
95.0	30.1100	29.8907
99.0	30.1100	31.8038

Period of Record: January 1996 through December 2023
Analysis Days Only

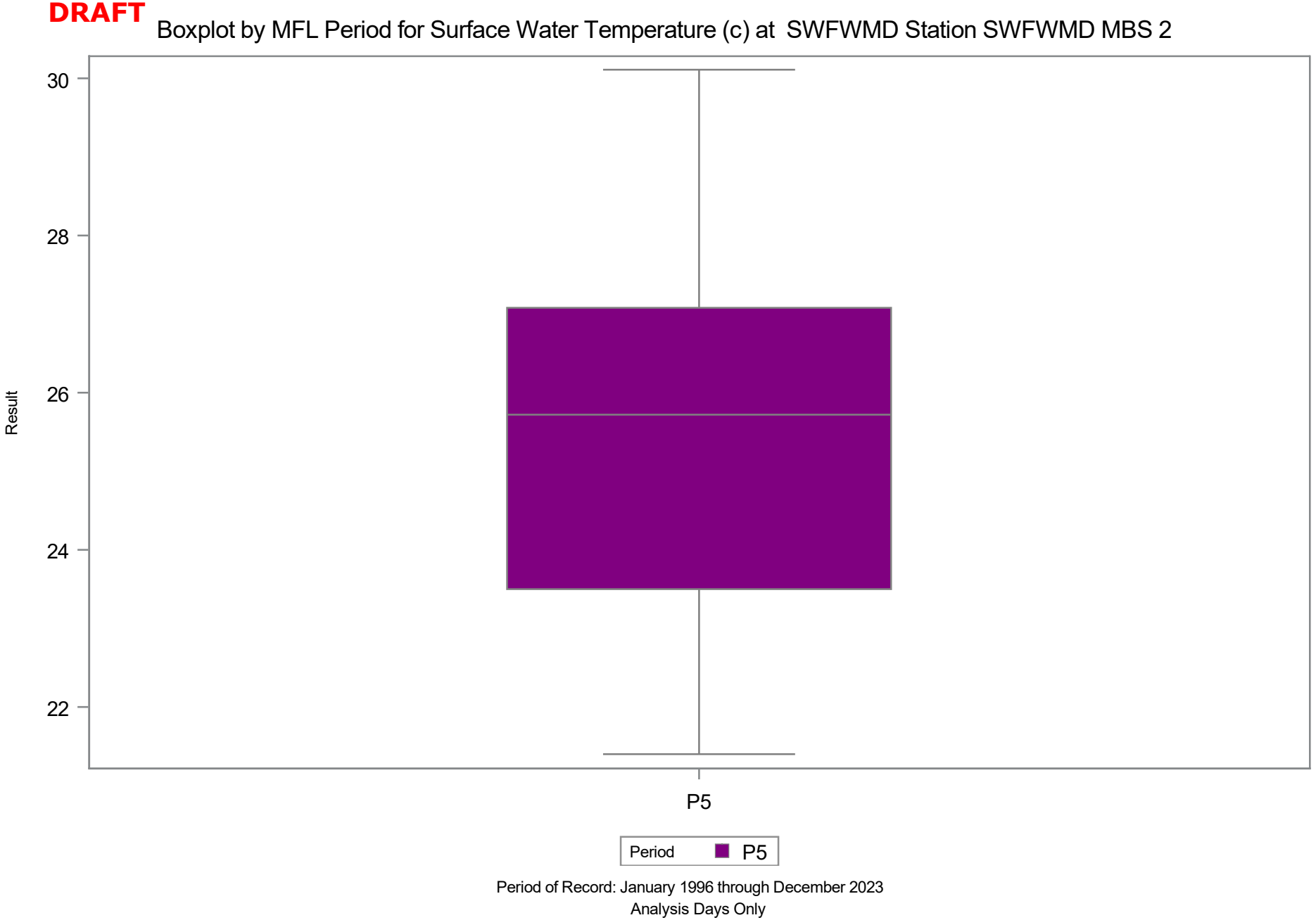
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 2

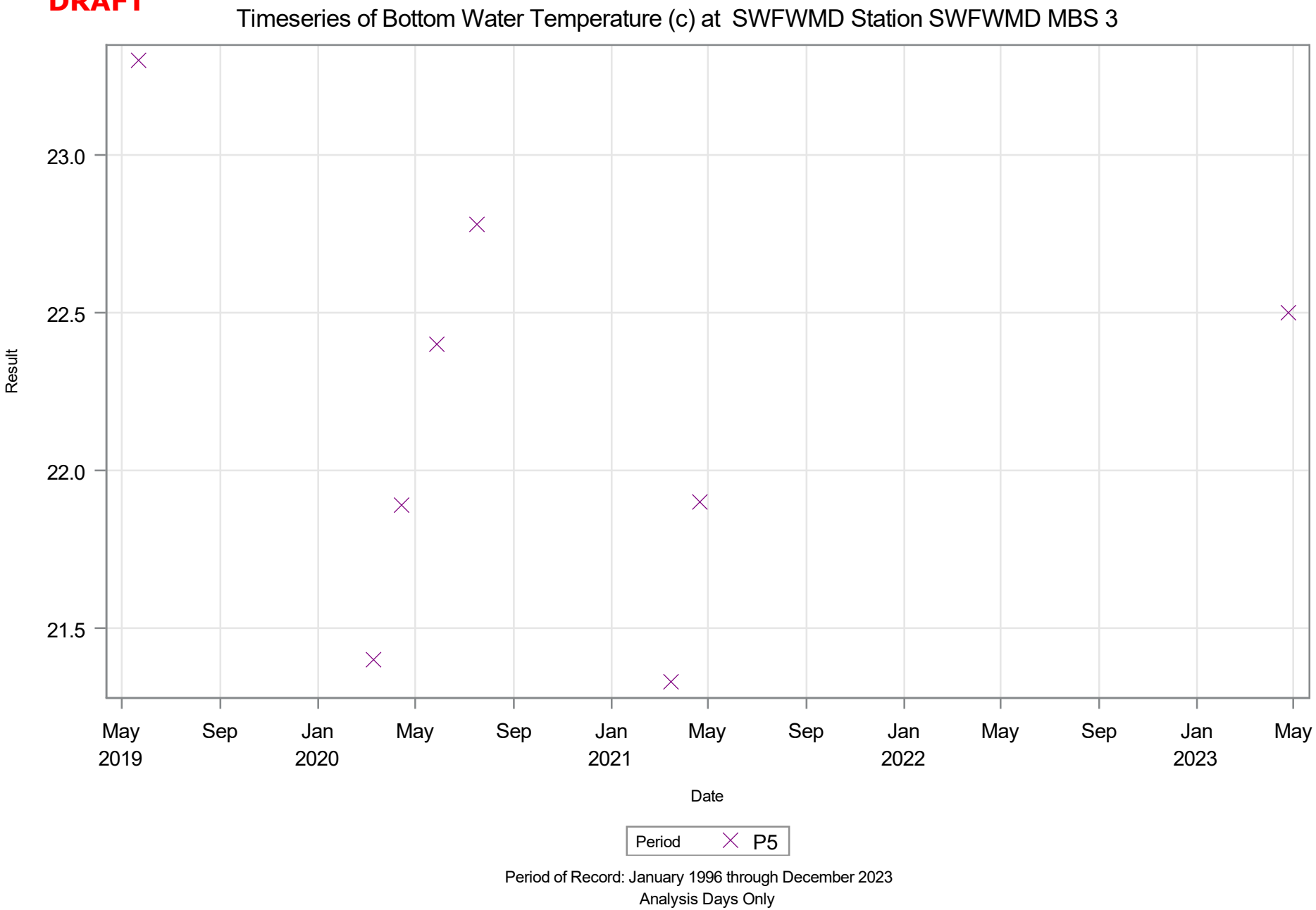
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	9	21.40	23.50	25.27	25.72	27.08	30.11

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

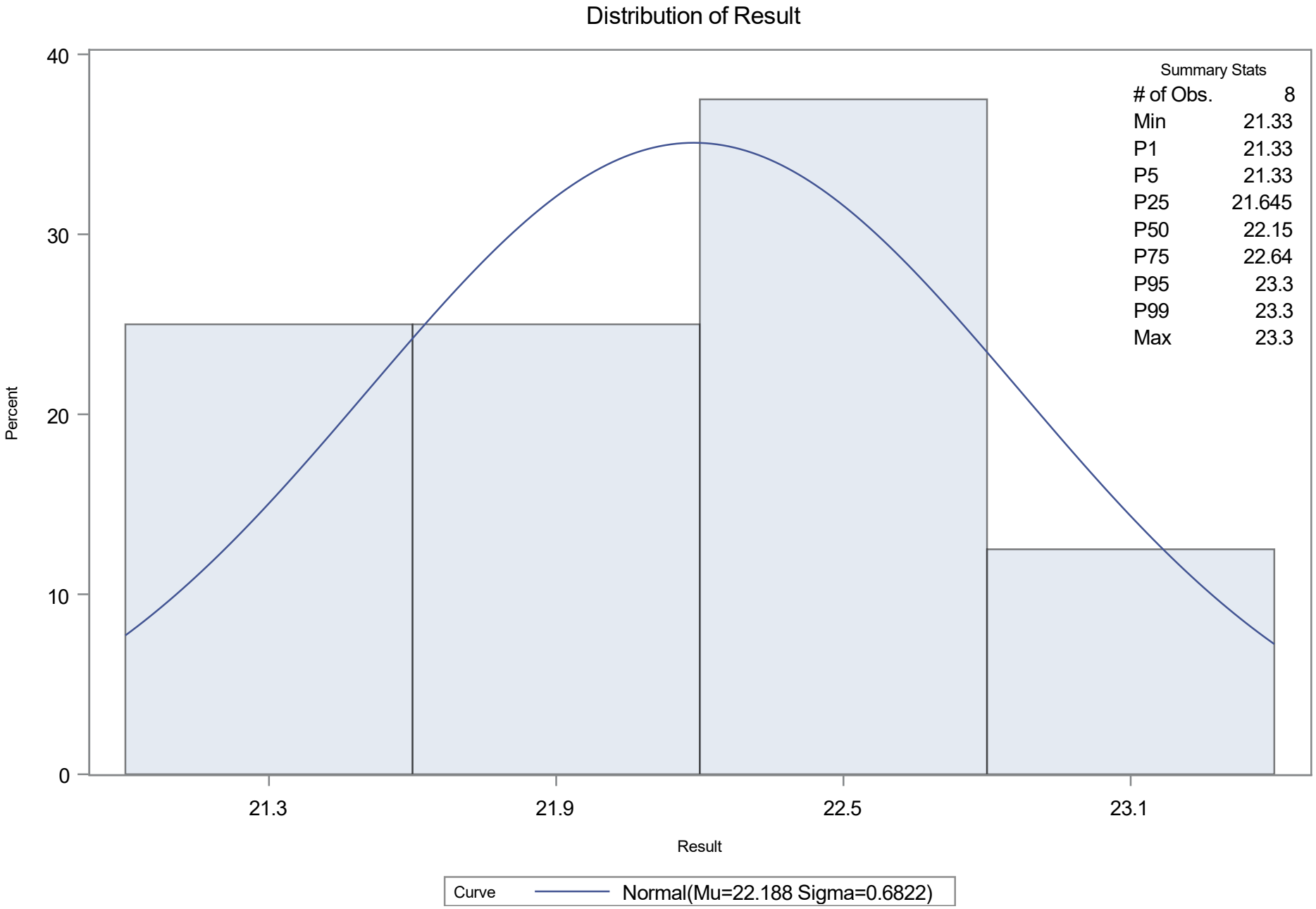

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 2
Result
30
28
26
24
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 3
Result
23.0
22.5
22.0
21.5
May 2019
Sep
Jan 2020
May
Sep
Jan 2021
May
Sep
Jan 2022
May
Sep
Jan 2023
May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.1875
Std Dev	Sigma	0.682239

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16327090	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03053265	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.20852723	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.3300	20.6004
5.0	21.3300	21.0653
10.0	21.3300	21.3132
25.0	21.6450	21.7273
50.0	22.1500	22.1875
75.0	22.6400	22.6477
90.0	23.3000	23.0618
95.0	23.3000	23.3097
99.0	23.3000	23.7746

Period of Record: January 1996 through December 2023
Analysis Days Only

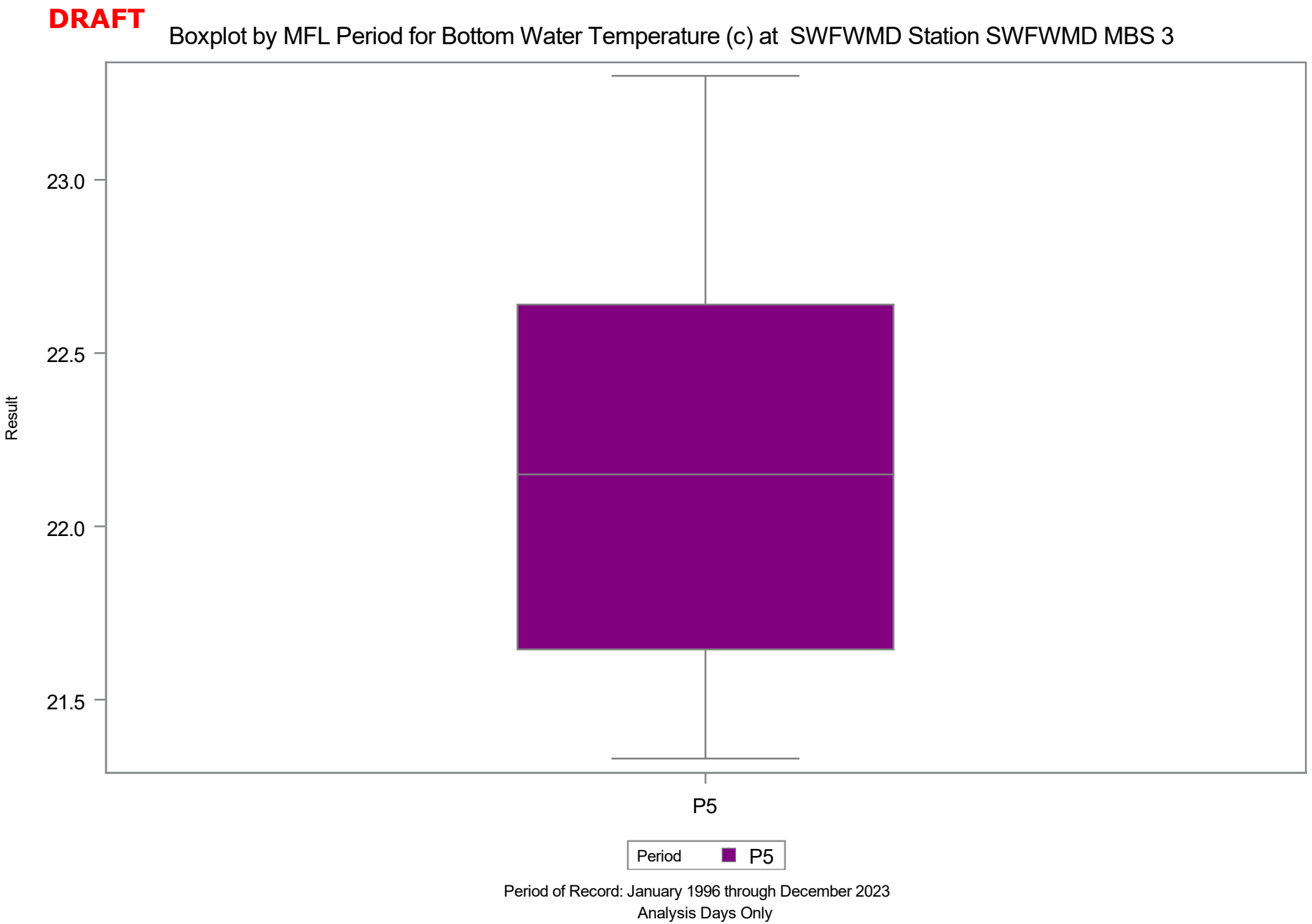
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 3

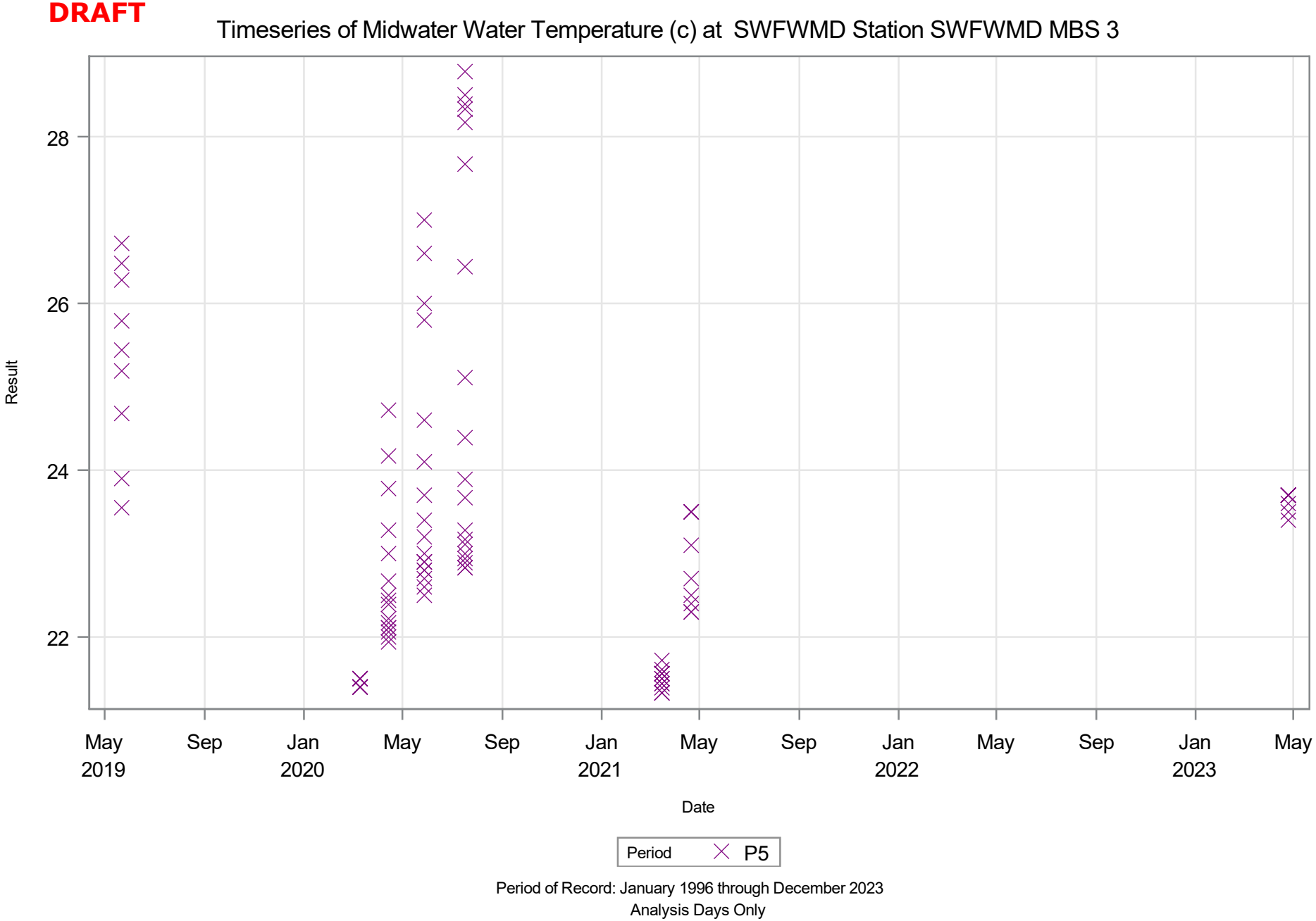
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	21.33	21.65	22.19	22.15	22.64	23.30

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at SWFWMD Station SWFWMD MBS 3
Result
23.0
22.5
22.0
21.5
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

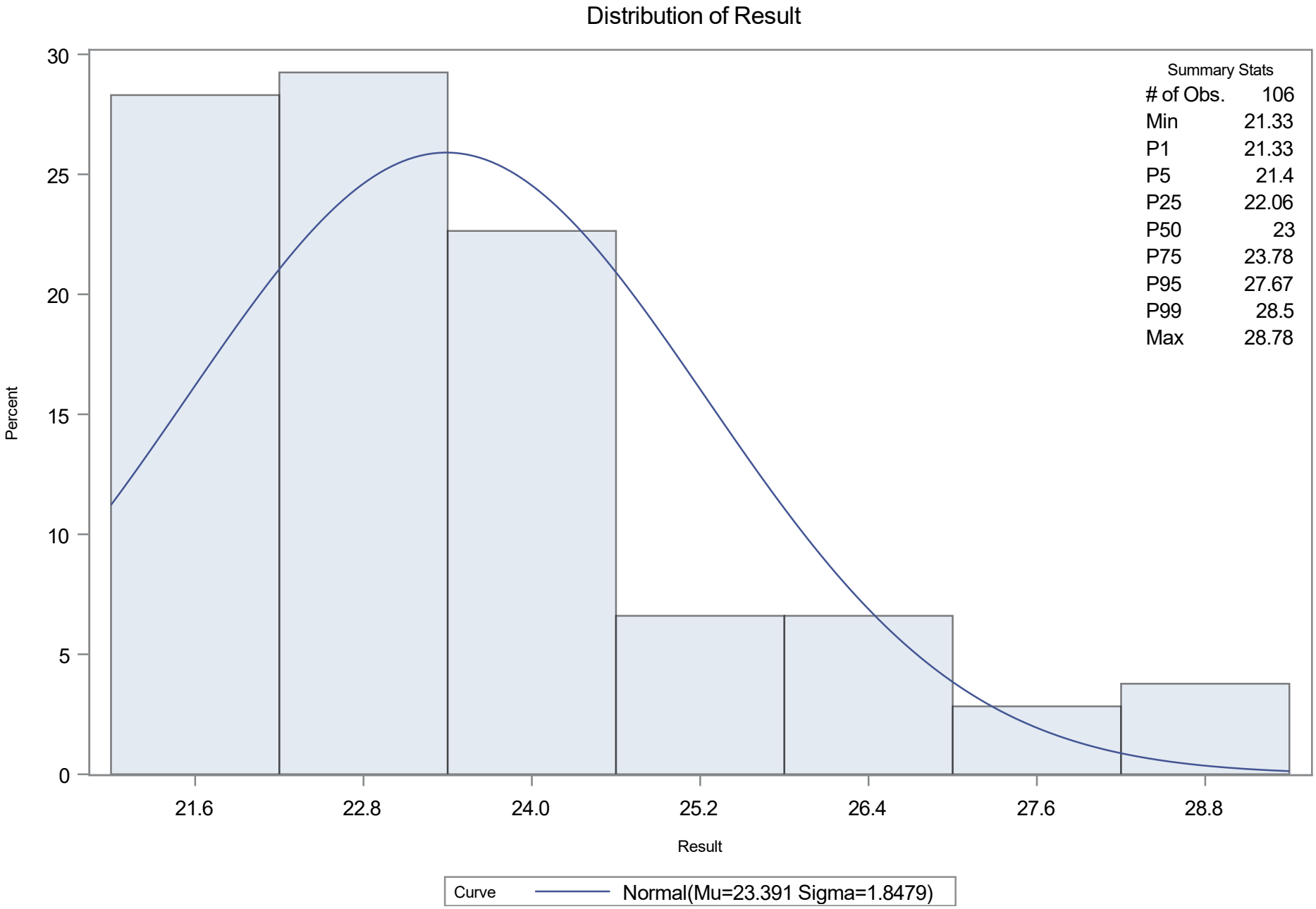
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.39066
Std Dev	Sigma	1.847948

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17881215	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.63243168	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.99011083	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.3300	19.0917
5.0	21.4000	20.3511
10.0	21.4400	21.0224
25.0	22.0600	22.1442
50.0	23.0000	23.3907
75.0	23.7800	24.6371
90.0	26.4400	25.7589
95.0	27.6700	26.4303
99.0	28.5000	27.6896

Period of Record: January 1996 through December 2023
Analysis Days Only

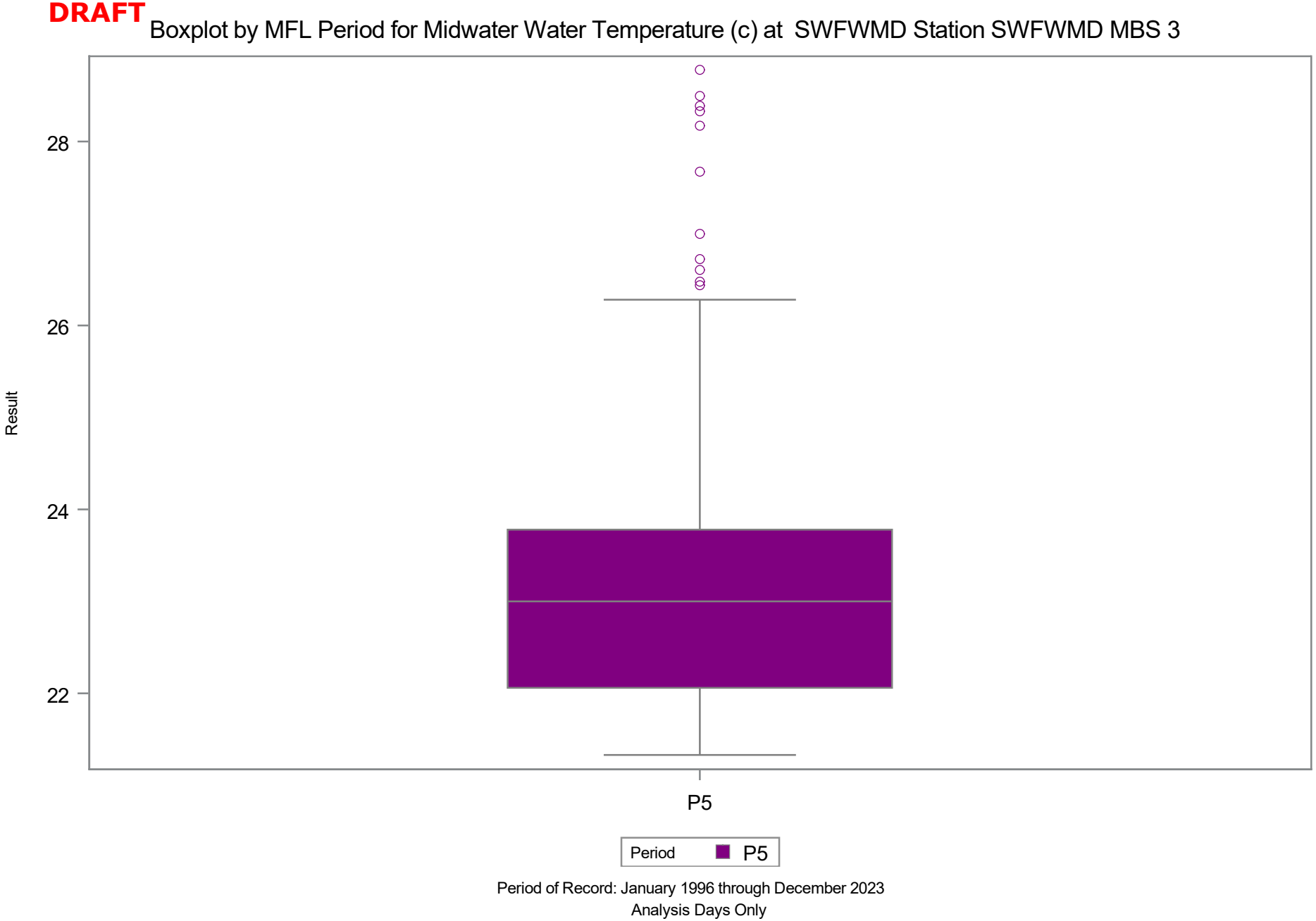
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 3

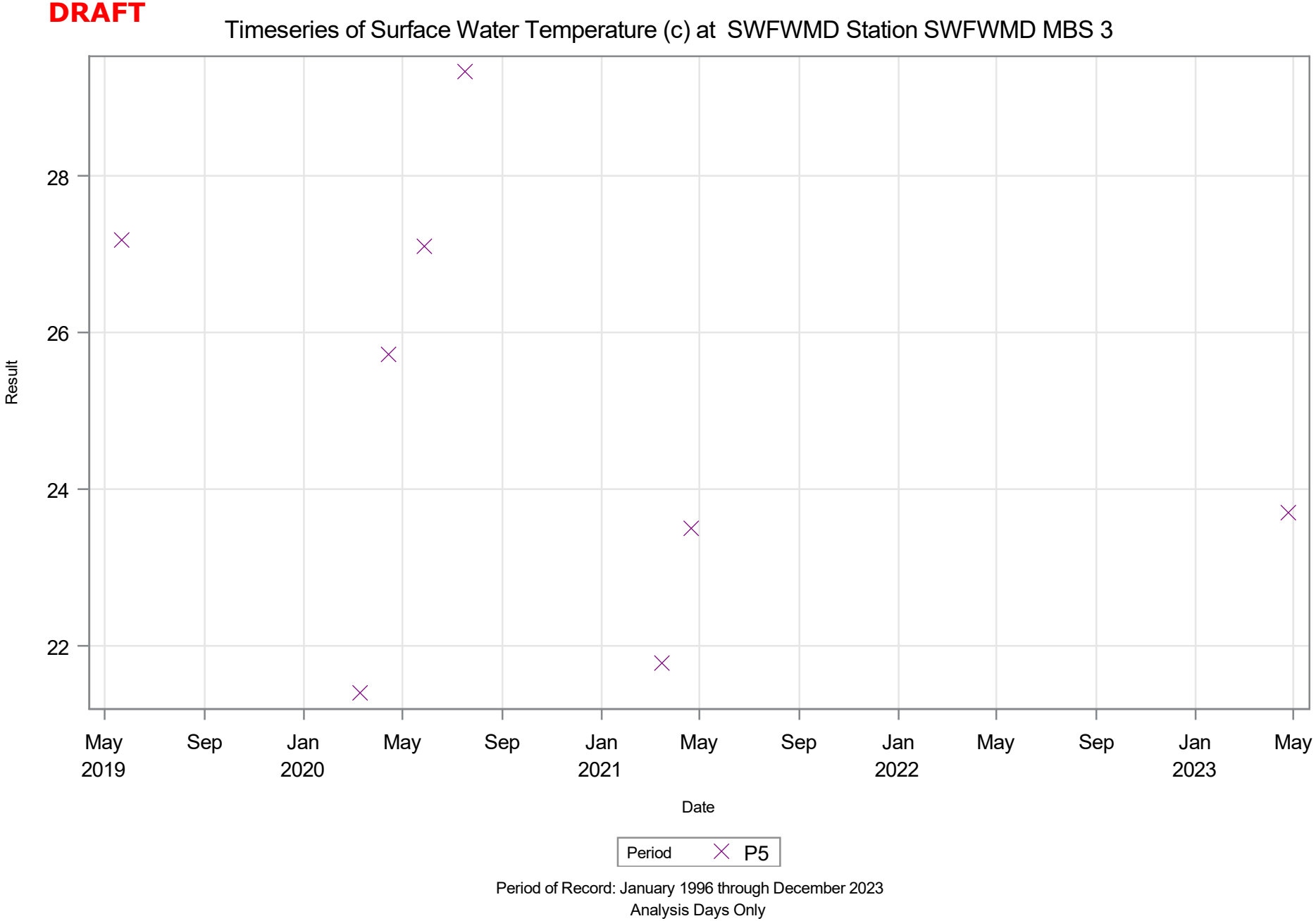
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	106	21.33	22.06	23.39	23.00	23.78	28.78

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at SWFWMD Station SWFWMD MBS 3
Result
28
26
24
22
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

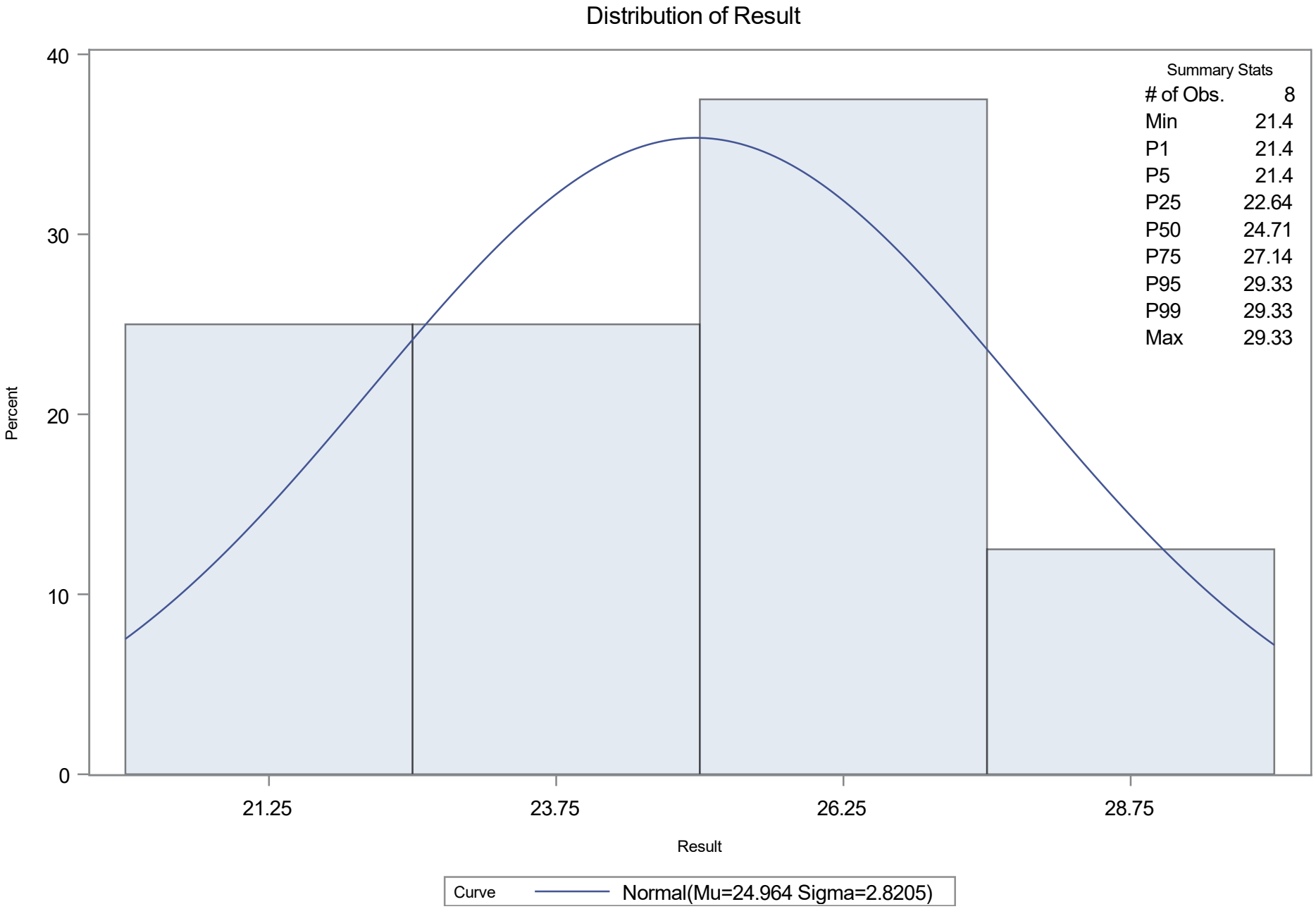
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.96375
Std Dev	Sigma	2.820526

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17294312	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03819001	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.24571016	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	21.4000	18.4022
5.0	21.4000	20.3244
10.0	21.4000	21.3491
25.0	22.6400	23.0613
50.0	24.7100	24.9638
75.0	27.1400	26.8662
90.0	29.3300	28.5784
95.0	29.3300	29.6031
99.0	29.3300	31.5253

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

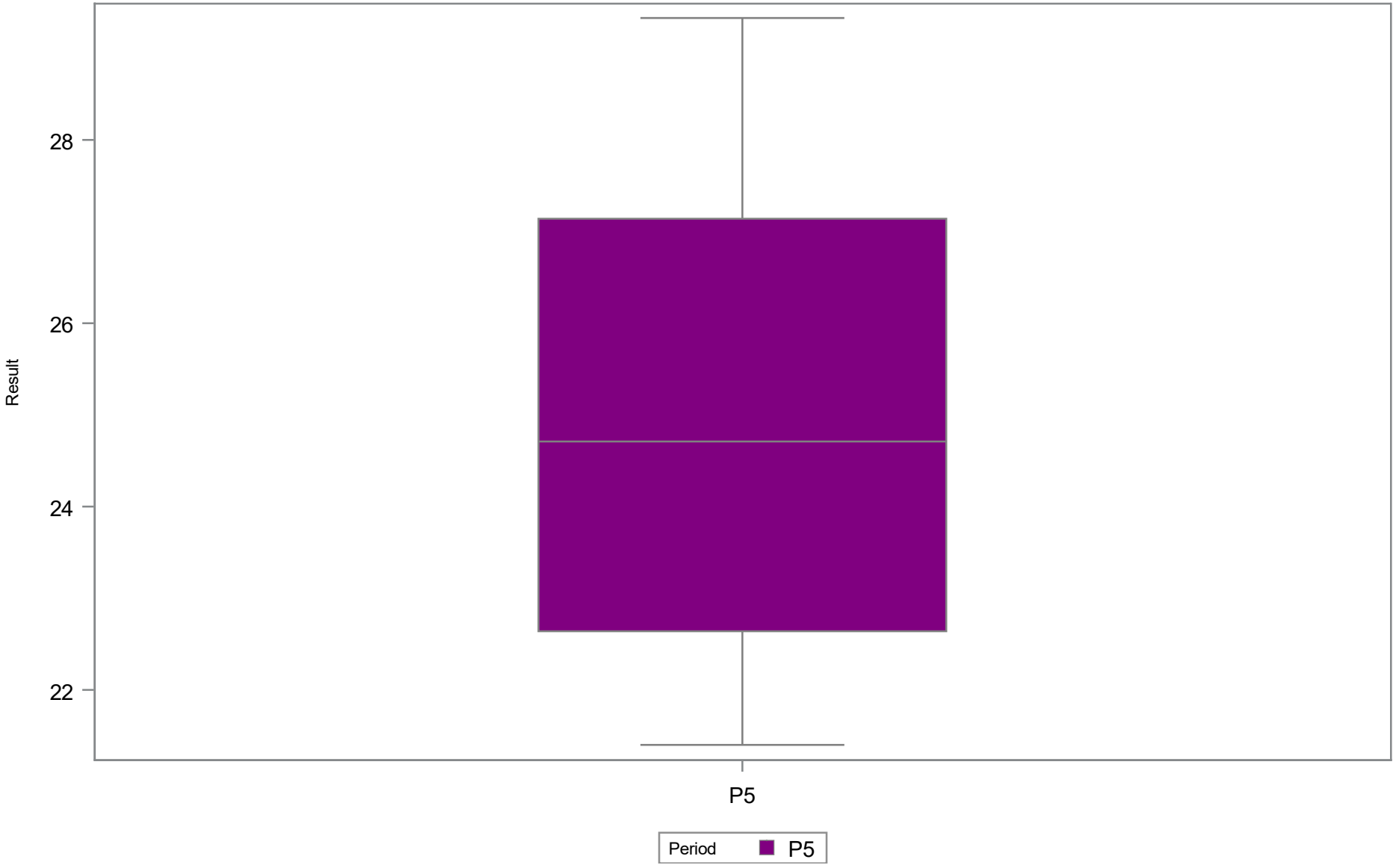
Distributional Statistics by Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 3

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	8	21.40	22.64	24.96	24.71	27.14	29.33

Period of Record: January 1996 through December 2023
Analysis Days Only

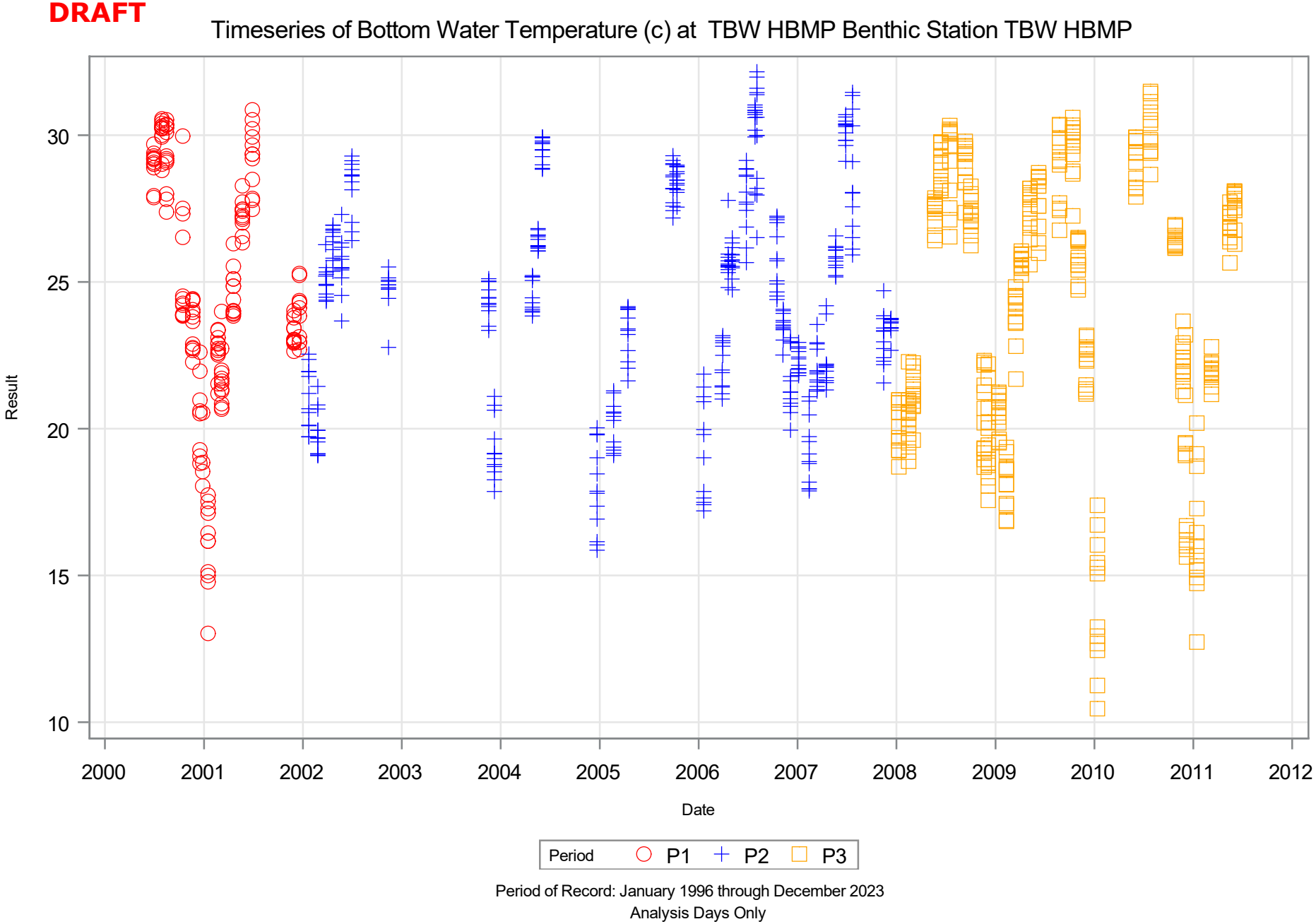
DRAFT

Boxplot by MFL Period for Surface Water Temperature (c) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP
Result
30
25
20
15
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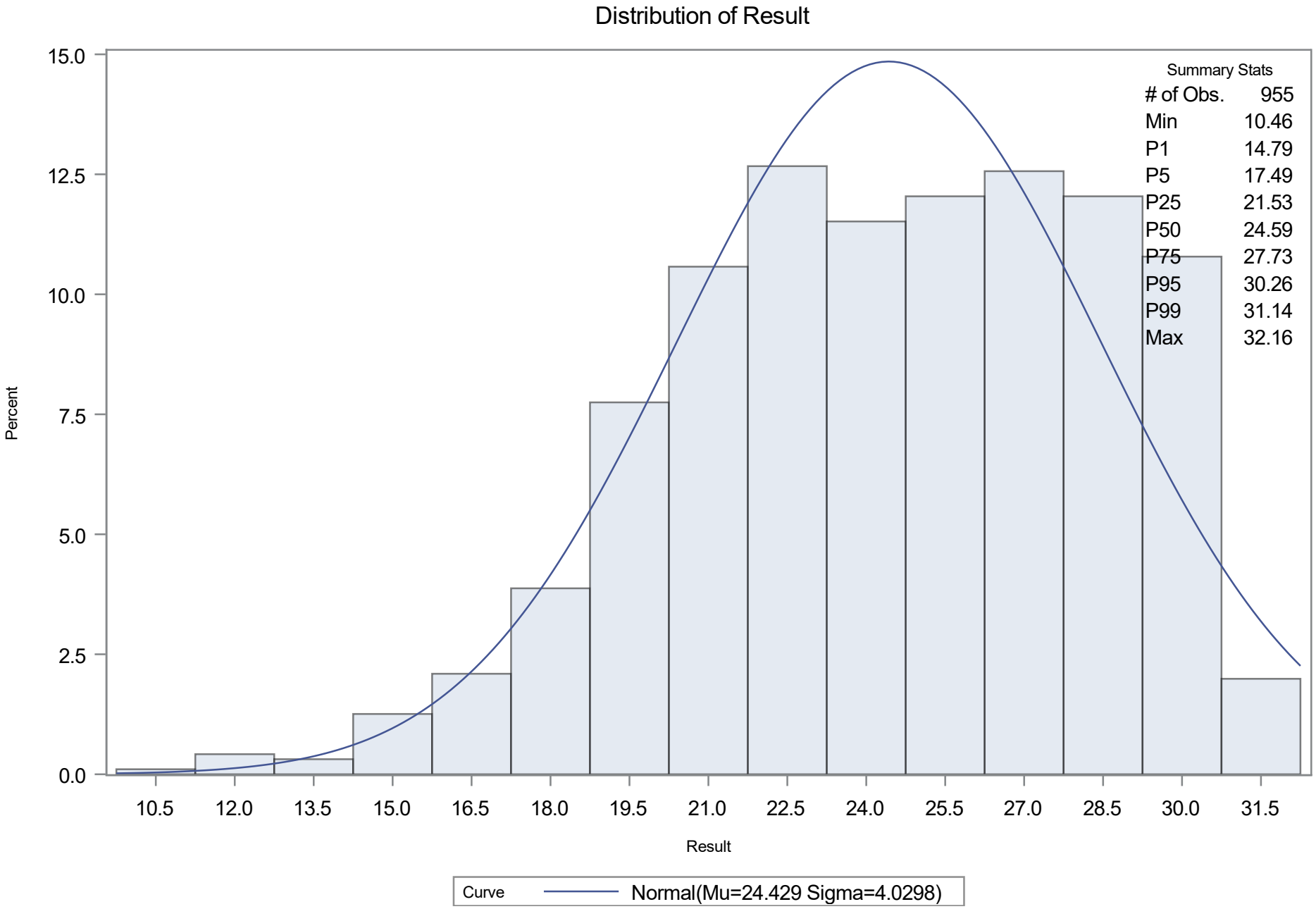
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.42925
Std Dev	Sigma	4.029794

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05379490	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.71980155	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.09935319	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.7900	15.0545
5.0	17.4900	17.8008
10.0	19.1400	19.2649
25.0	21.5300	21.7112
50.0	24.5900	24.4292
75.0	27.7300	27.1473
90.0	29.6500	29.5936
95.0	30.2600	31.0577
99.0	31.1400	33.8039

Period of Record: January 1996 through December 2023
Analysis Days Only

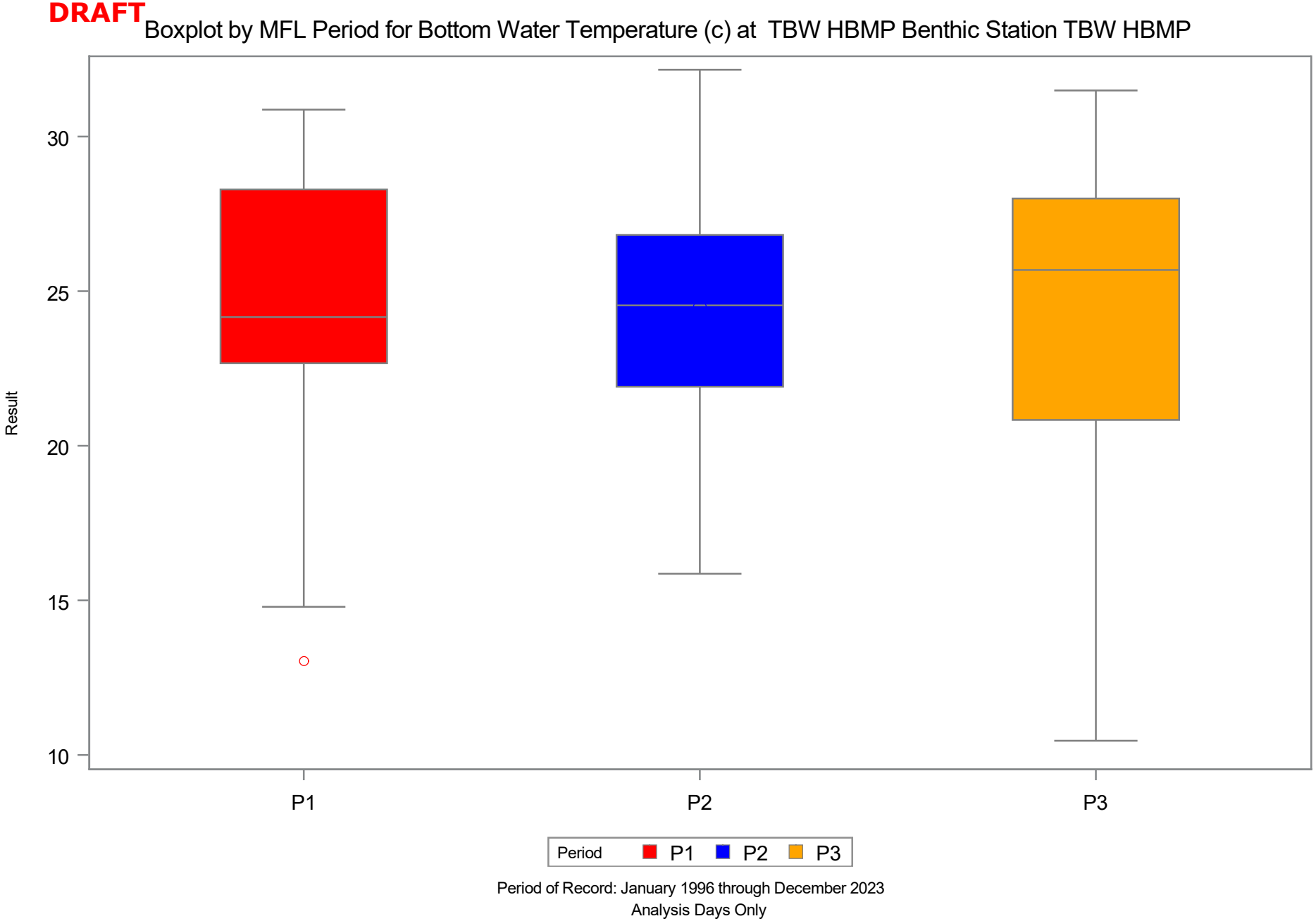
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP

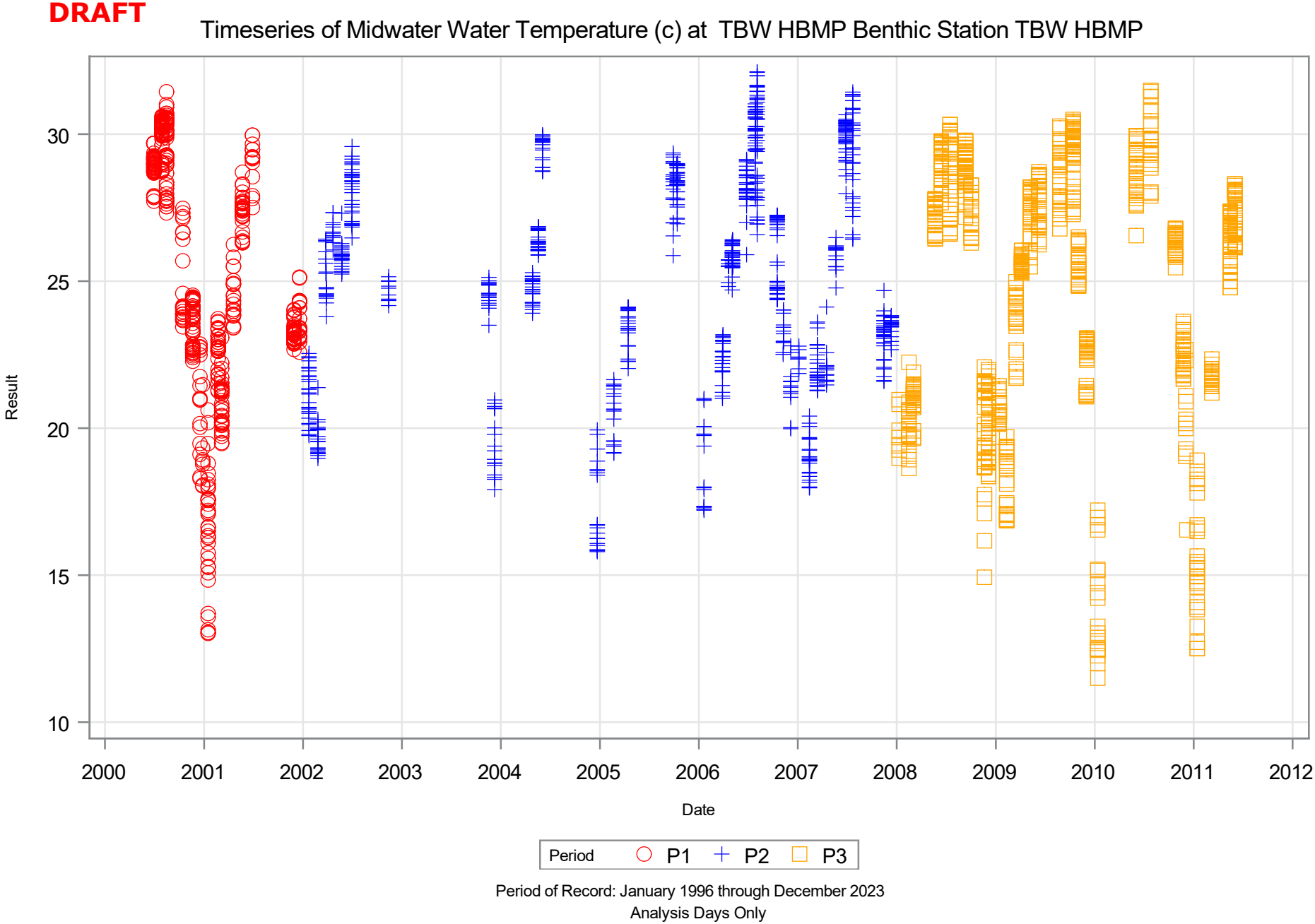
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	13.04	22.67	24.74	24.16	28.29	30.87
P2	429	15.86	21.91	24.48	24.54	26.82	32.16
P3	360	10.46	20.84	24.22	25.69	28.00	31.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP
Result
30
25
20
15
10
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP
Result
30
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2000
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2003
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2007
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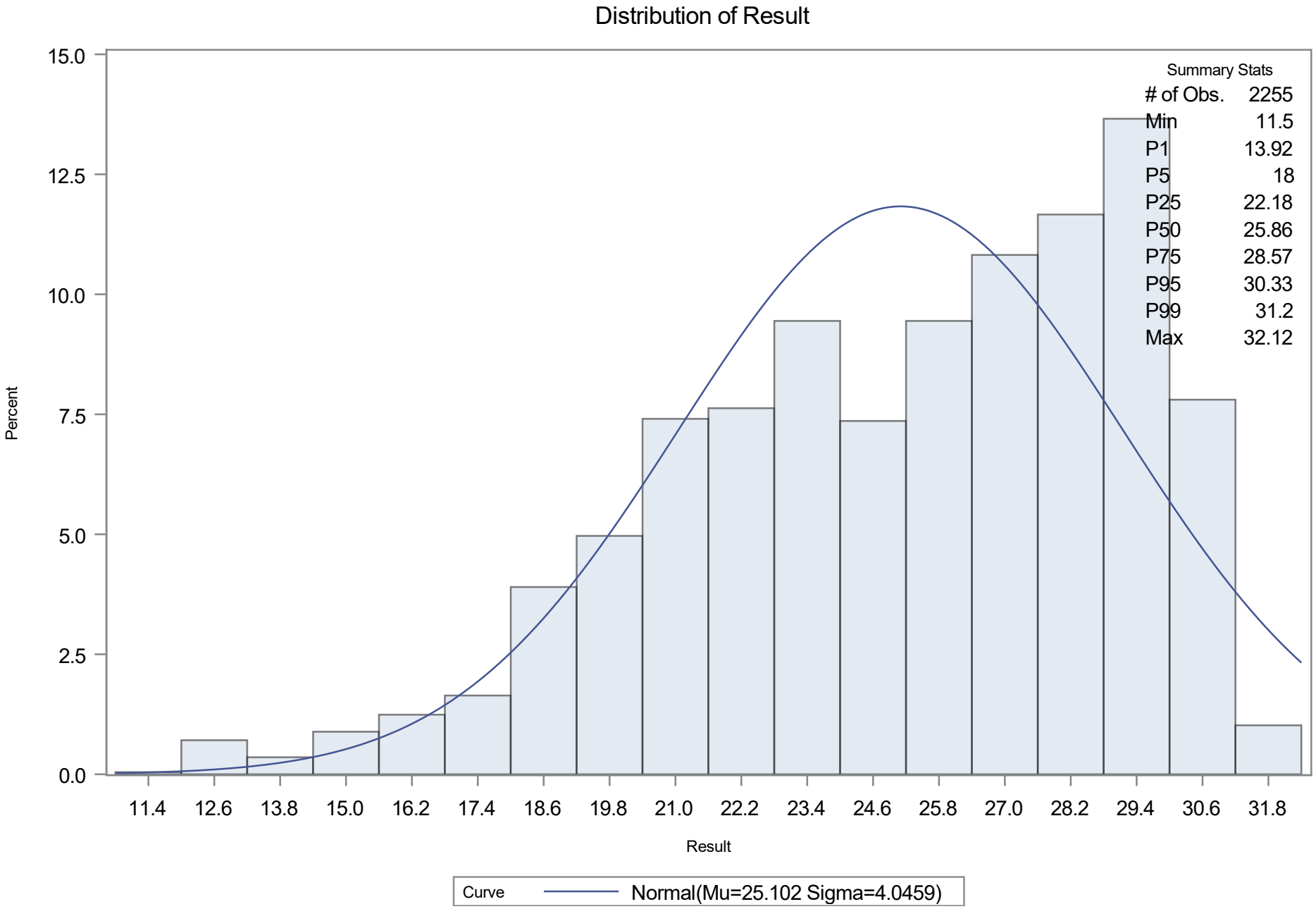
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.10171
Std Dev	Sigma	4.045916

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0791982	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.3229732	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	27.5975013	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.9200	15.6895
5.0	18.0000	18.4468
10.0	19.4900	19.9167
25.0	22.1800	22.3728
50.0	25.8600	25.1017
75.0	28.5700	27.8306
90.0	29.8900	30.2868
95.0	30.3300	31.7567
99.0	31.2000	34.5139

Period of Record: January 1996 through December 2023
Analysis Days Only

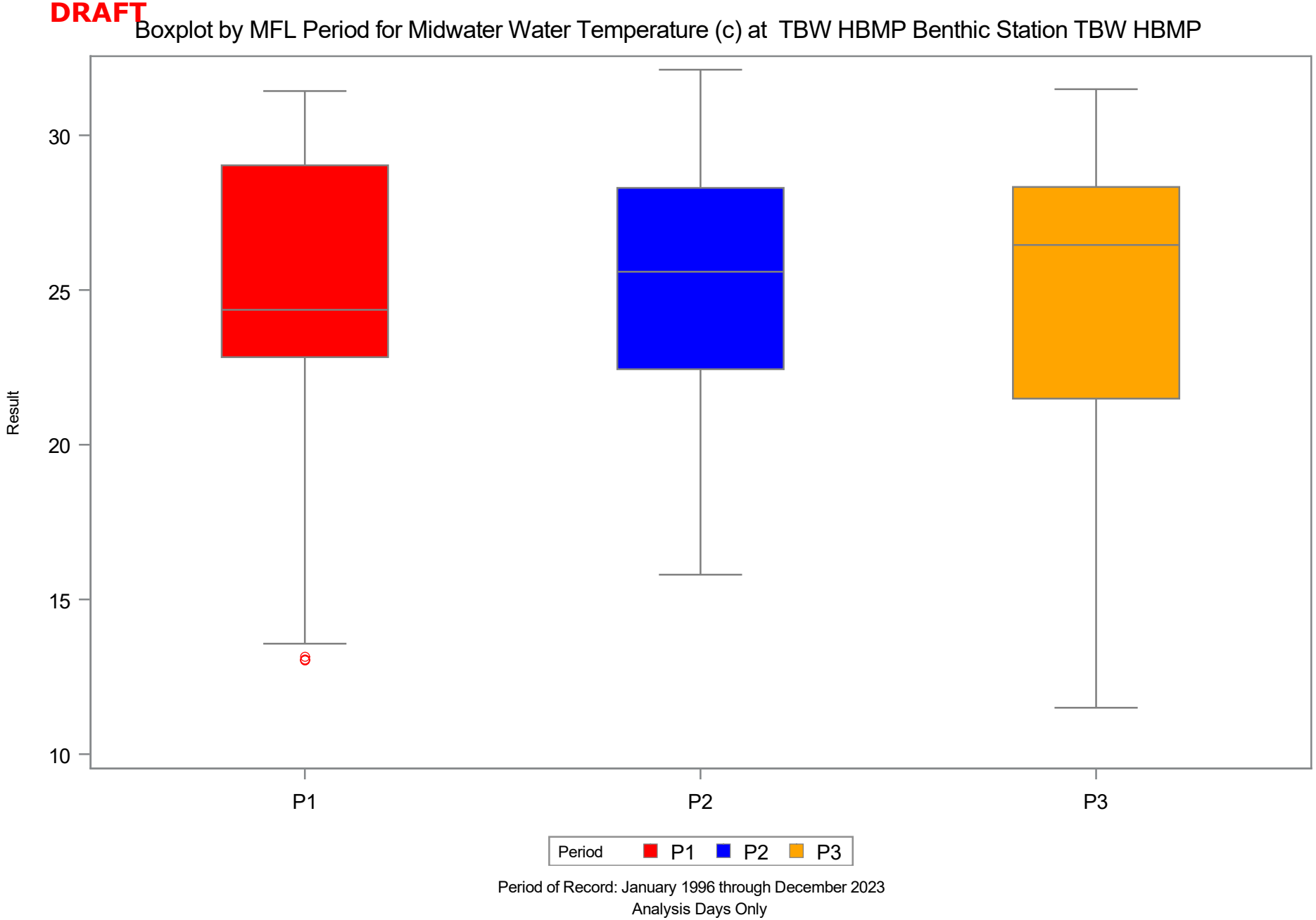
DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP

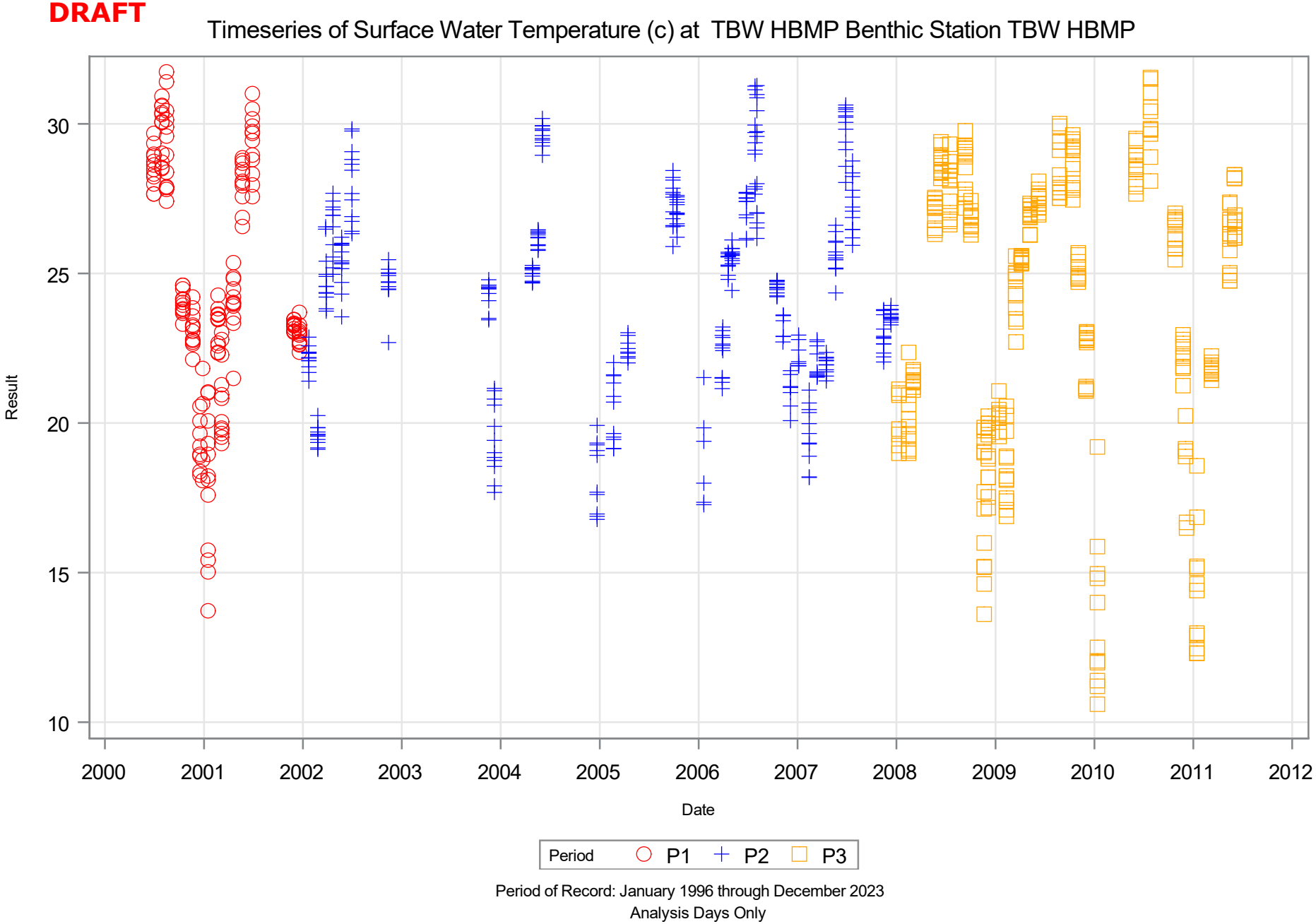
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	502	13.03	22.83	25.24	24.36	29.03	31.43
P2	873	15.80	22.44	25.19	25.59	28.30	32.12
P3	880	11.50	21.49	24.93	26.46	28.33	31.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP
Result
30
25
20
15
10
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP
Result
30
25
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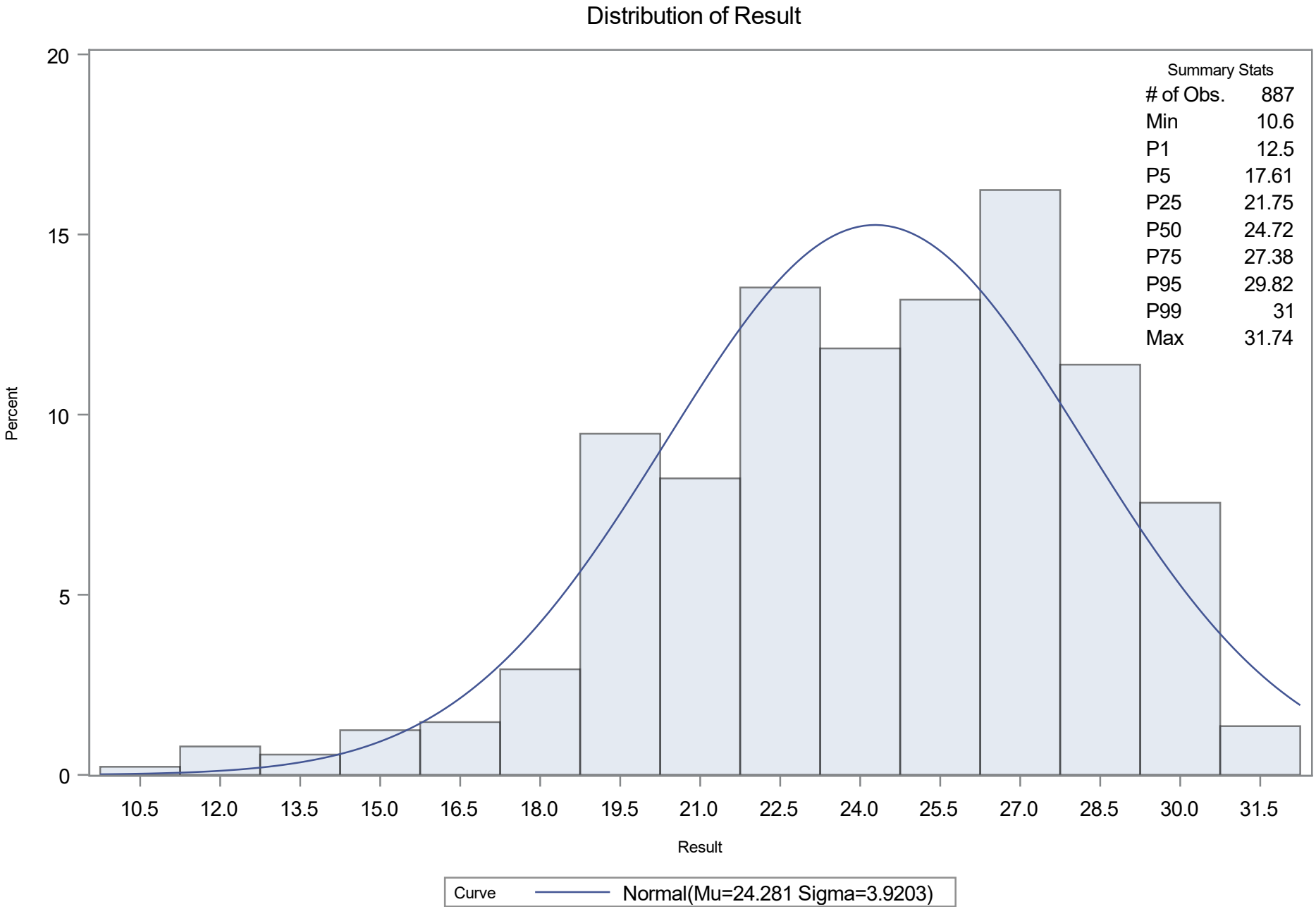
2009
2010
2011
2012
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.2811
Std Dev	Sigma	3.920279

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06158563	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.73306627	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	5.03123669	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	12.5000	15.1612
5.0	17.6100	17.8328
10.0	19.1400	19.2571
25.0	21.7500	21.6369
50.0	24.7200	24.2811
75.0	27.3800	26.9253
90.0	29.0200	29.3051
95.0	29.8200	30.7294
99.0	31.0000	33.4010

Period of Record: January 1996 through December 2023
Analysis Days Only

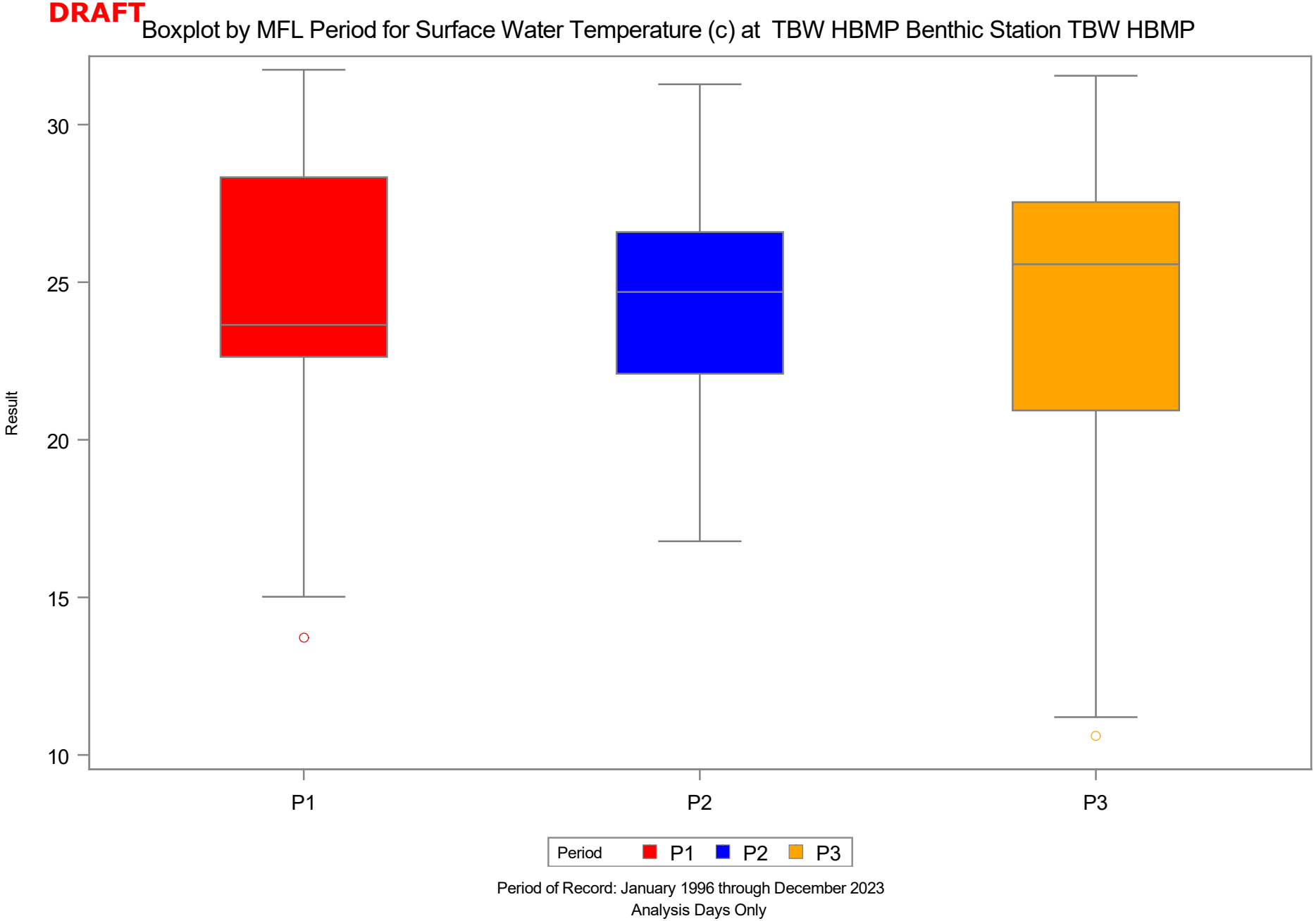
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	166	13.73	22.63	24.50	23.65	28.33	31.74
P2	392	16.78	22.10	24.42	24.69	26.59	31.28
P3	329	10.60	20.93	24.01	25.57	27.54	31.55

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at TBW HBMP Benthic Station TBW HBMP
Result
30
25
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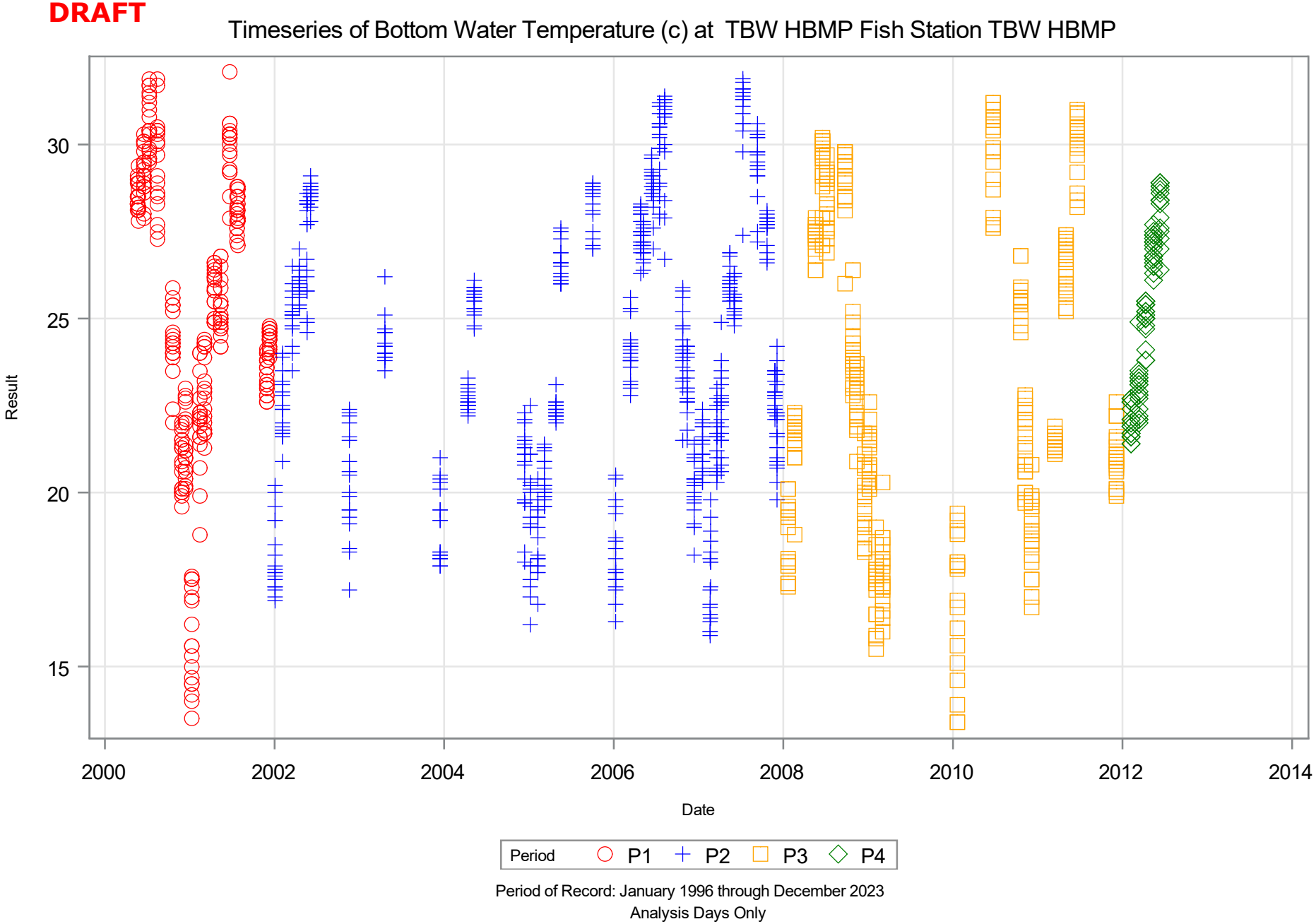
10
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature (c) at TBW HBMP Fish Station TBW HBMP
Result
30
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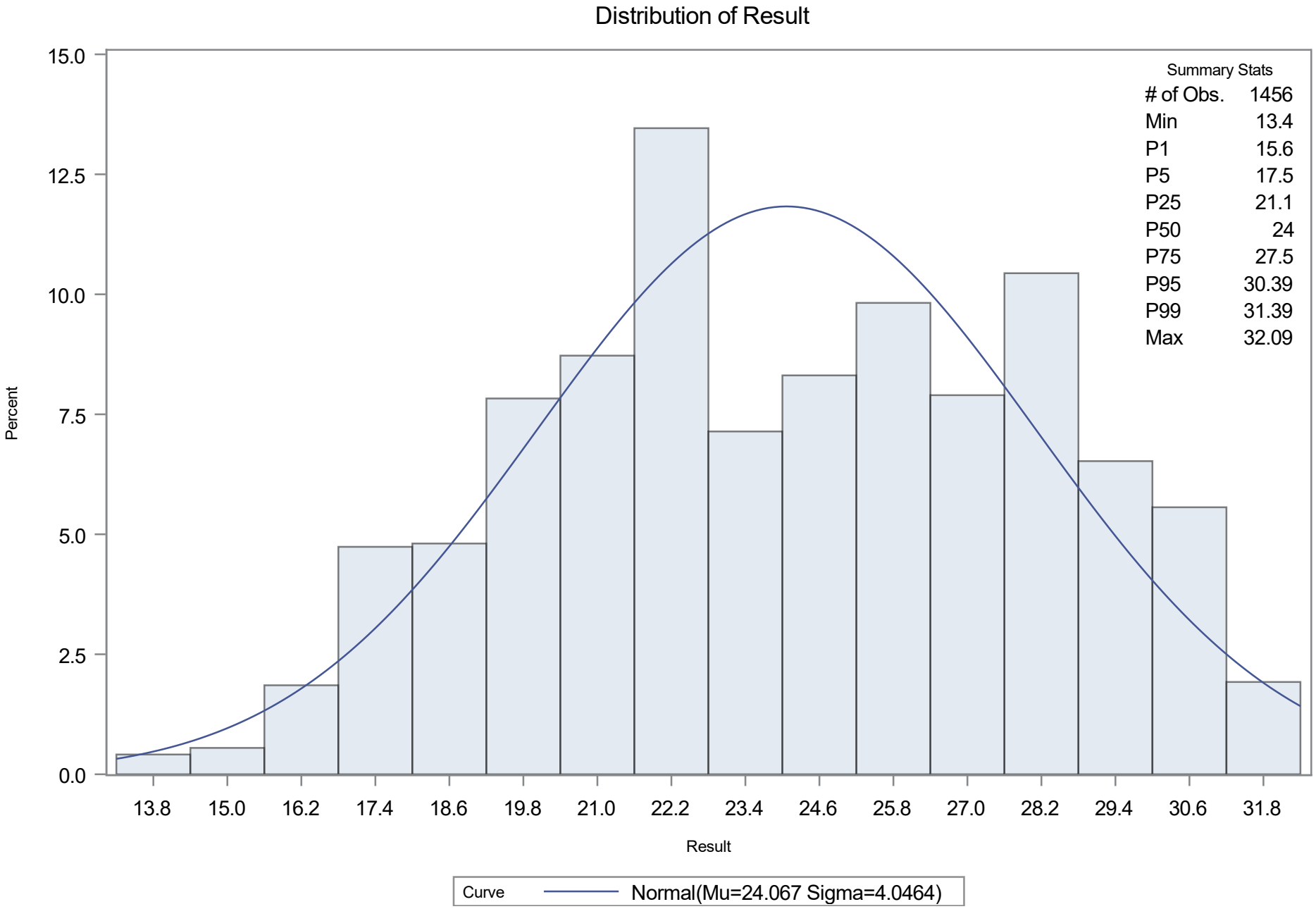
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.06688
Std Dev	Sigma	4.046408

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05809518	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.20211073	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.63818190	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.6000	14.6535
5.0	17.5000	17.4111
10.0	18.3900	18.8812
25.0	21.1000	21.3376
50.0	24.0000	24.0669
75.0	27.5000	26.7961
90.0	29.5000	29.2526
95.0	30.3900	30.7226
99.0	31.3900	33.4802

Period of Record: January 1996 through December 2023
Analysis Days Only

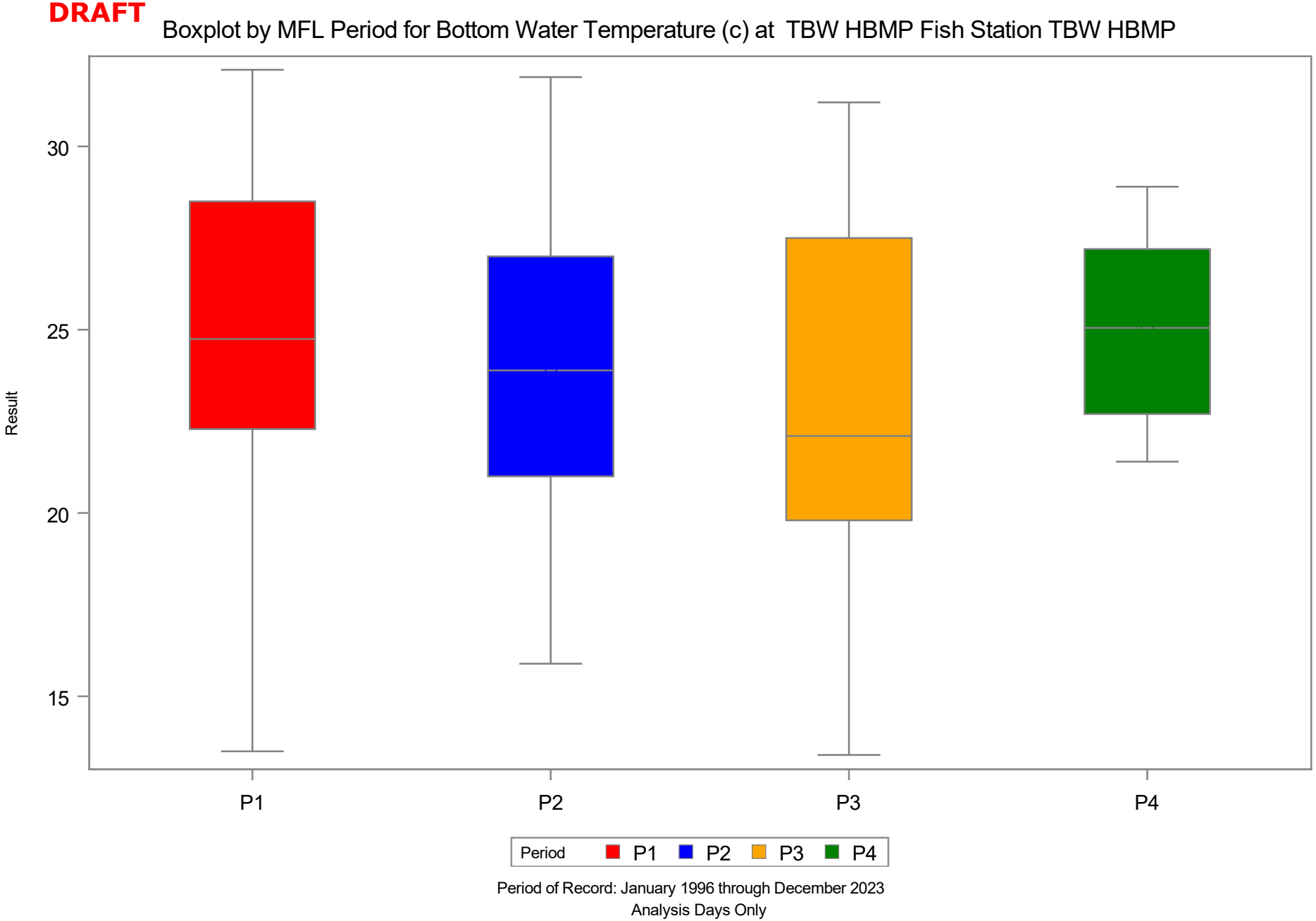
DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at TBW HBMP Fish Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	286	13.50	22.29	25.09	24.75	28.50	32.09
P2	702	15.89	21.00	23.98	23.89	27.00	31.89
P3	378	13.40	19.80	23.24	22.10	27.50	31.20
P4	90	21.40	22.70	25.01	25.05	27.20	28.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature (c) at TBW HBMP Fish Station TBW HBMP
Result
30
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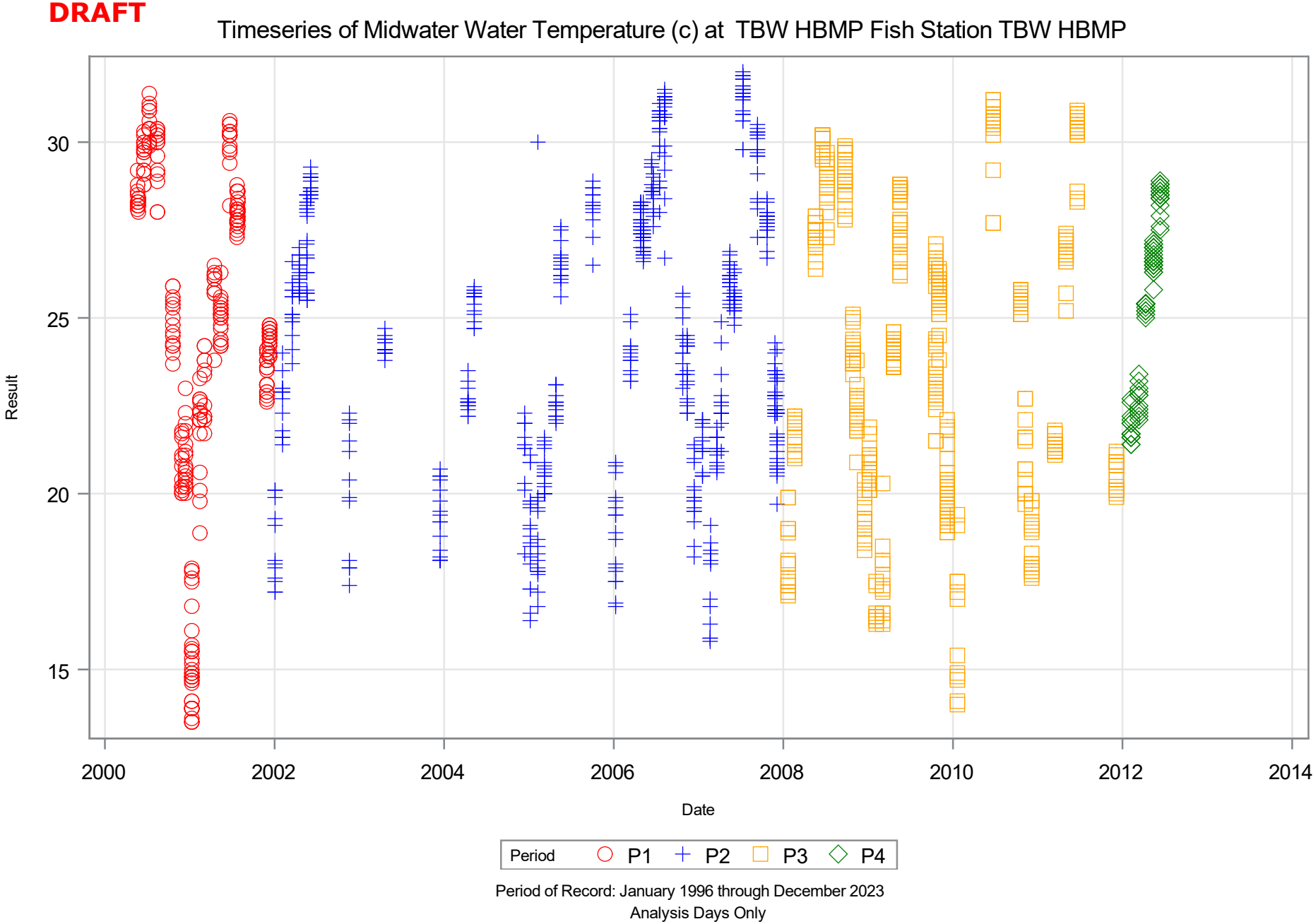
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature (c) at TBW HBMP Fish Station TBW HBMP
Result
30
25
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2000
2002
2004
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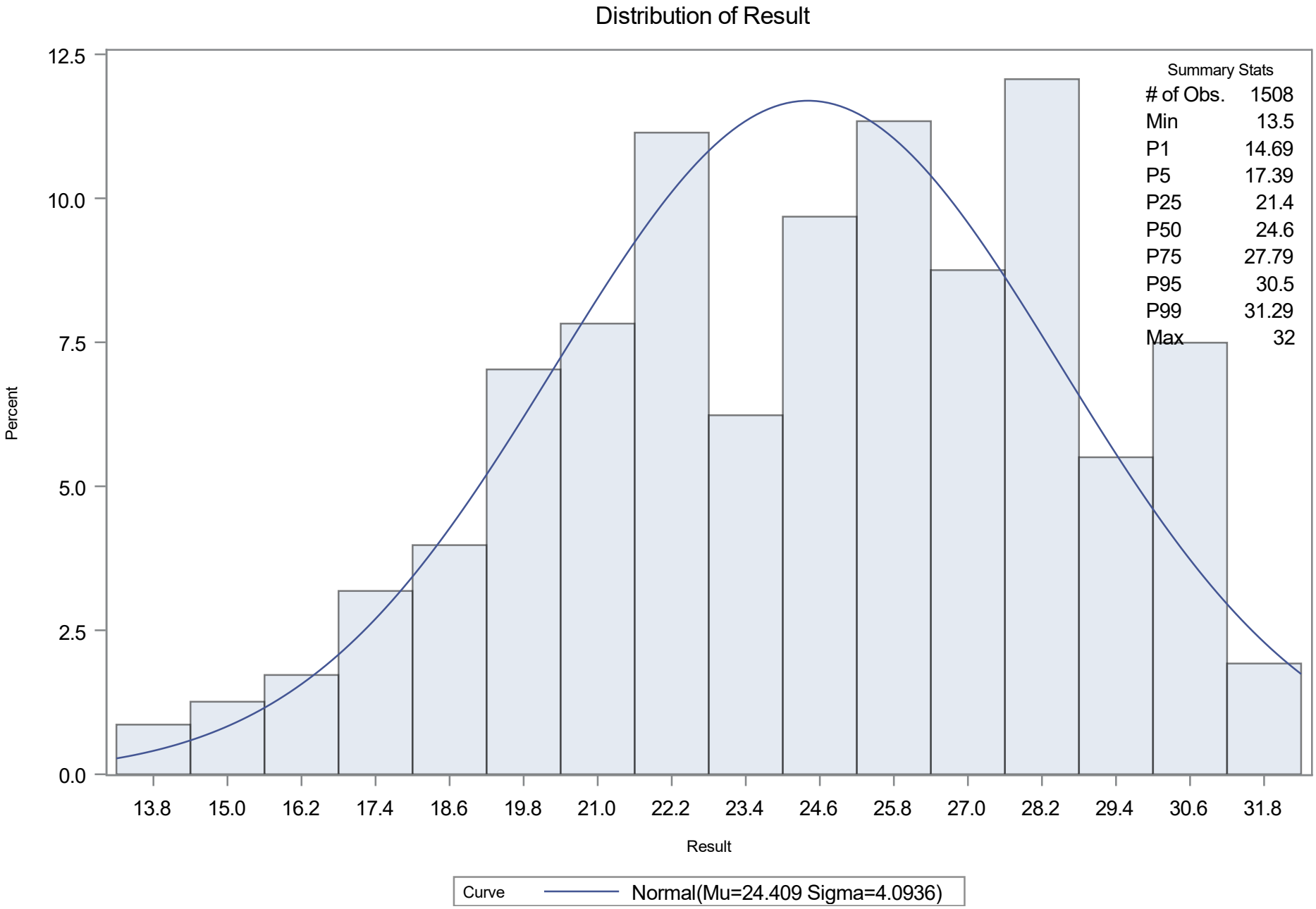
2008
2010
2012
2014
Date
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Fish Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.40909
Std Dev	Sigma	4.093643

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05605787	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.10178246	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.43620397	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.6900	14.8859
5.0	17.3900	17.6756
10.0	18.9000	19.1629
25.0	21.4000	21.6480
50.0	24.6000	24.4091
75.0	27.7900	27.1702
90.0	29.7900	29.6553
95.0	30.5000	31.1425
99.0	31.2900	33.9323

Period of Record: January 1996 through December 2023
Analysis Days Only

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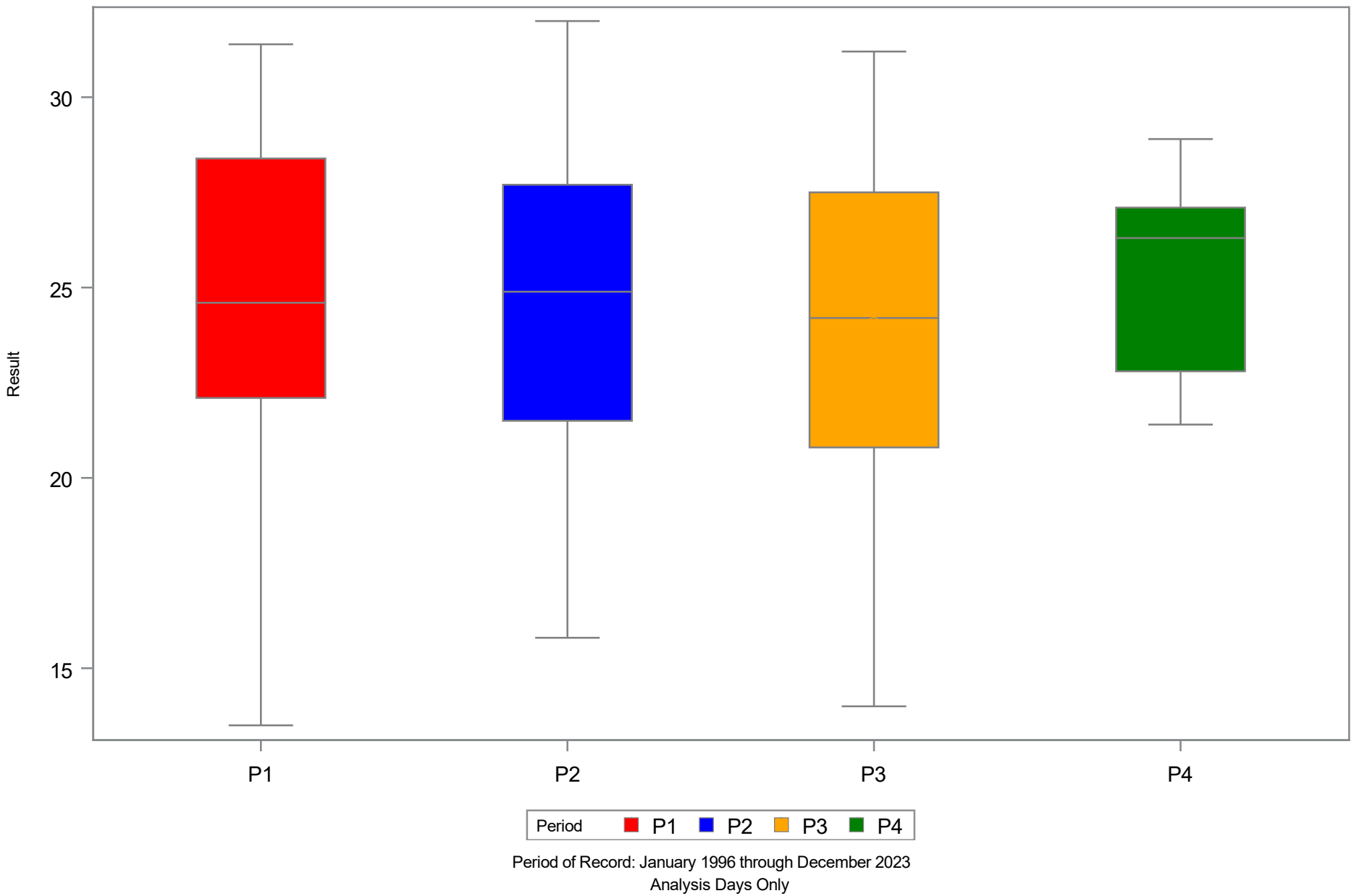
Distributional Statistics by Period for Midwater Water Temperature (c) at TBW HBMP Fish Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	269	13.50	22.10	24.38	24.60	28.39	31.39
P2	656	15.80	21.50	24.55	24.89	27.70	32.00
P3	498	14.00	20.80	24.05	24.20	27.50	31.20
P4	85	21.40	22.80	25.48	26.30	27.10	28.90

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature (c) at TBW HBMP Fish Station TBW HBMP
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Period of Record: January 1996 through December 2023
Analysis Days Only

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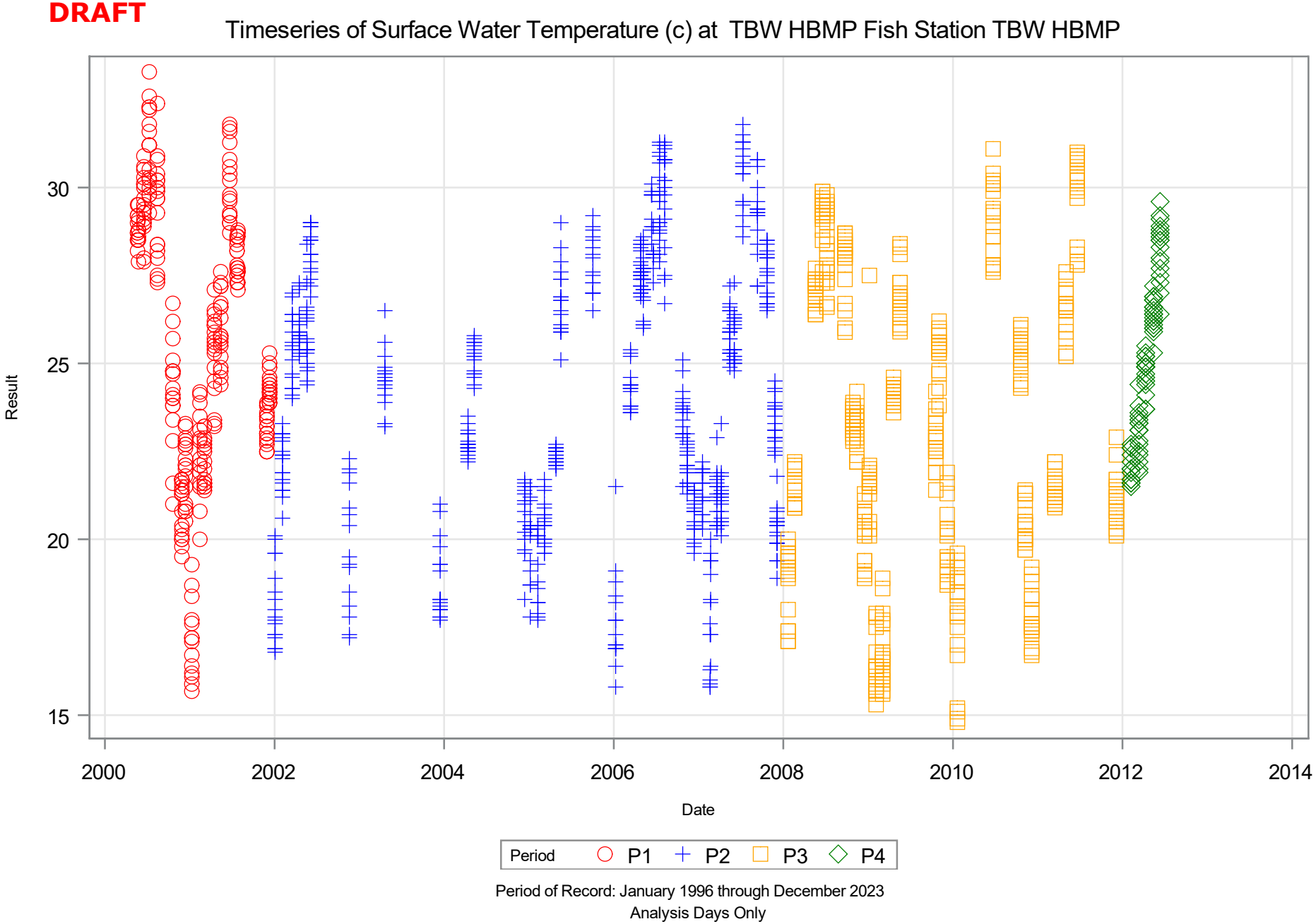
Timeseries of Surface Water Temperature (c) at TBW HBMP Fish Station TBW HBMP
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Period of Record: January 1996 through December 2023
Analysis Days Only

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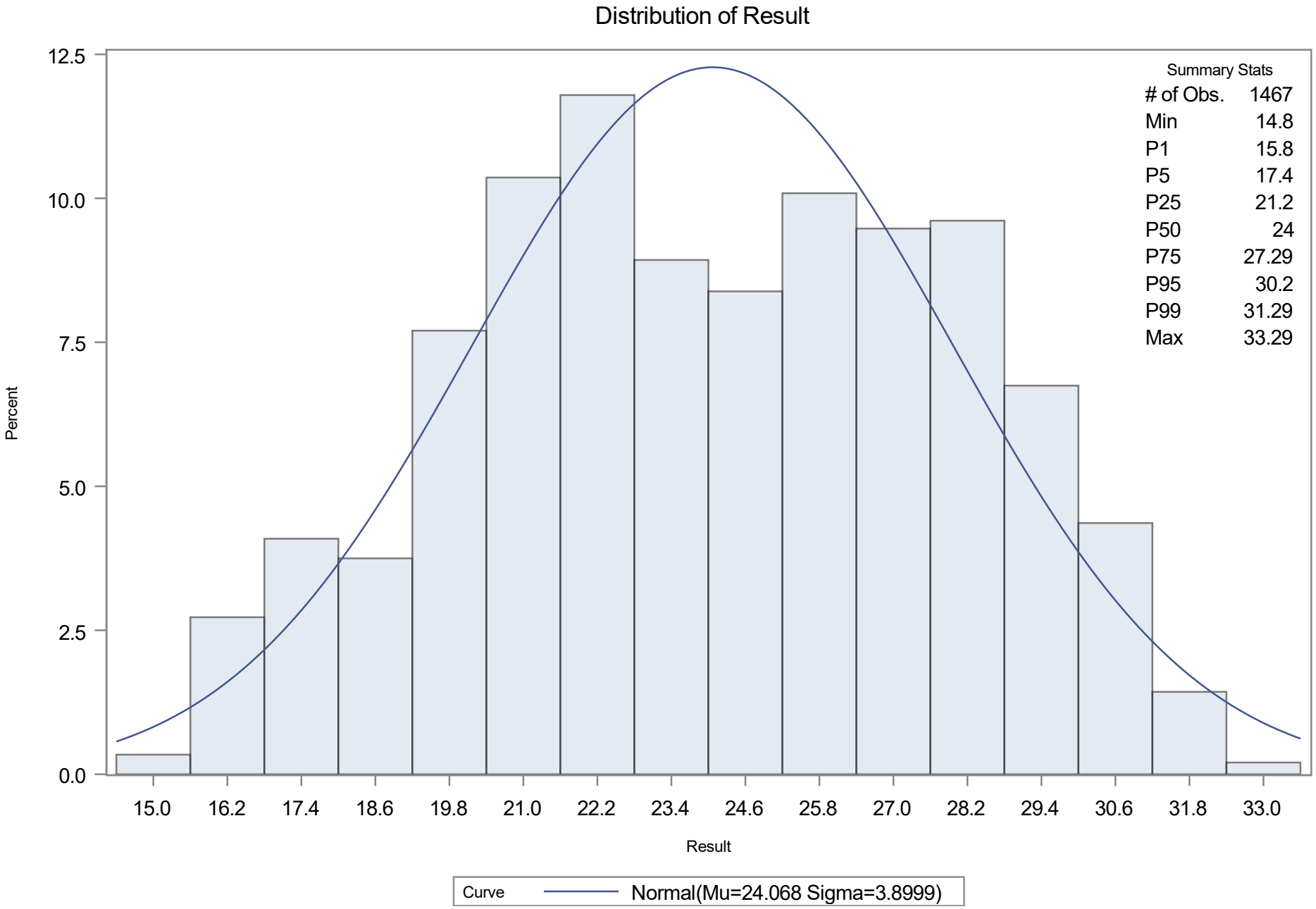
Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Fish Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Fish Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.06768
Std Dev	Sigma	3.899853

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05287085	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.02282956	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.27058015	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.8000	14.9953
5.0	17.4000	17.6530
10.0	18.8900	19.0698
25.0	21.2000	21.4373
50.0	24.0000	24.0677
75.0	27.2900	26.6981
90.0	29.2000	29.0655
95.0	30.2000	30.4824
99.0	31.2900	33.1401

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Surface Water Temperature (c) at TBW HBMP Fish Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	273	15.69	22.70	25.39	24.89	28.70	33.29
P2	661	15.80	21.00	23.95	23.89	27.10	31.79
P3	449	14.80	20.20	23.25	23.00	26.70	31.10
P4	84	21.50	23.10	25.08	25.00	26.80	29.60

Period of Record: January 1996 through December 2023
Analysis Days Only

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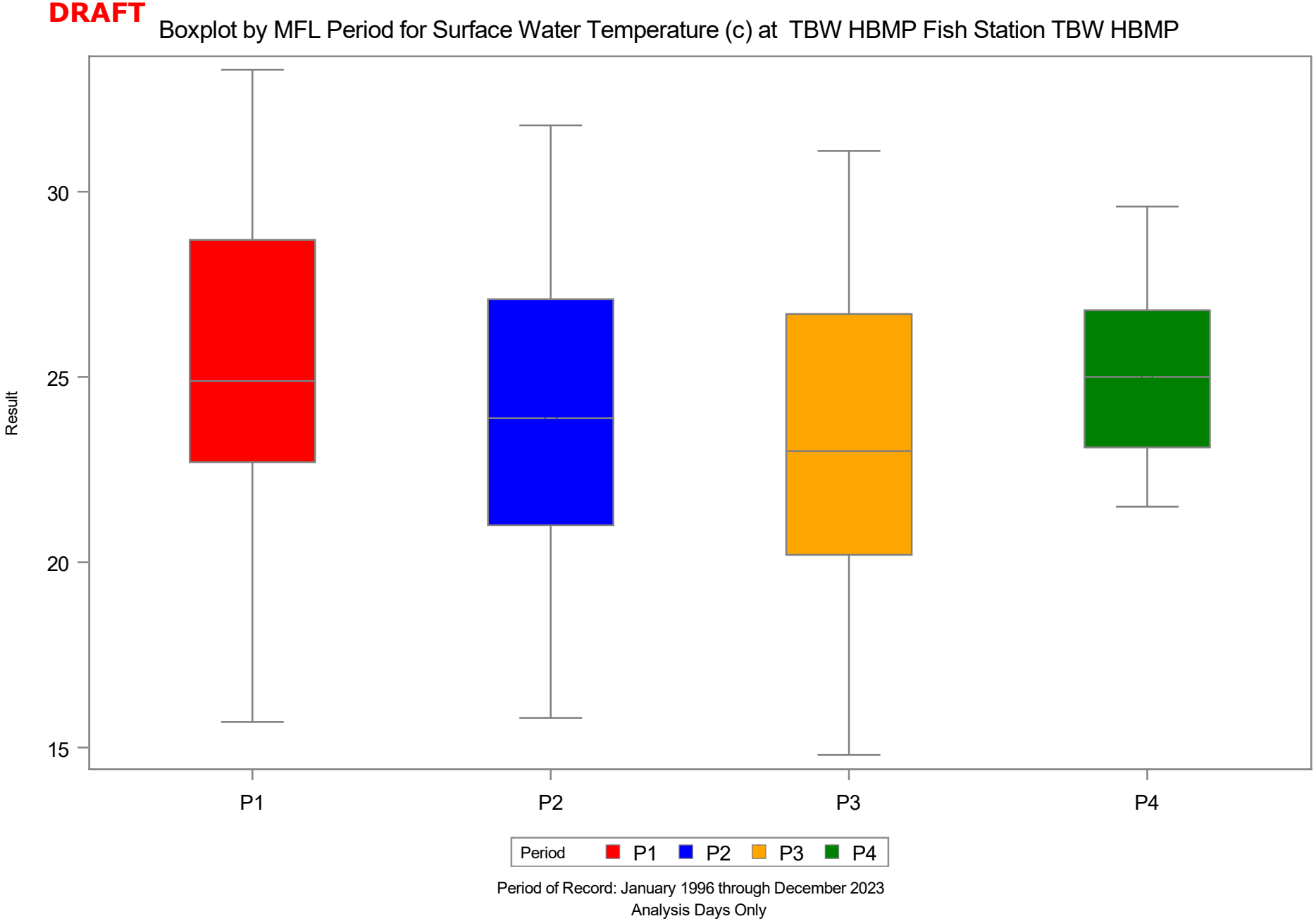
Boxplot by MFL Period for Surface Water Temperature (c) at TBW HBMP Fish Station TBW HBMP
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Period
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Period of Record: January 1996 through December 2023
Analysis Days Only

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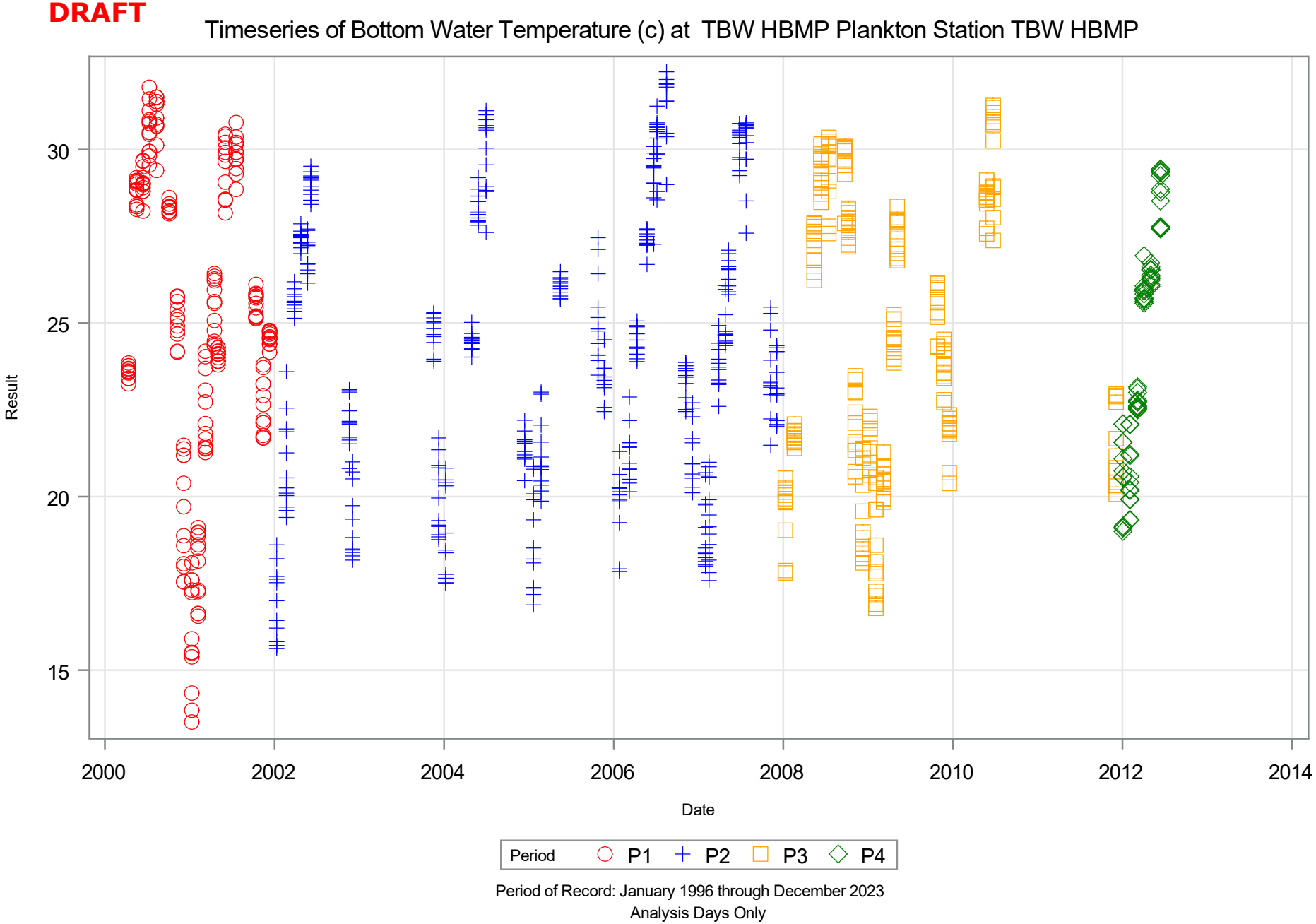
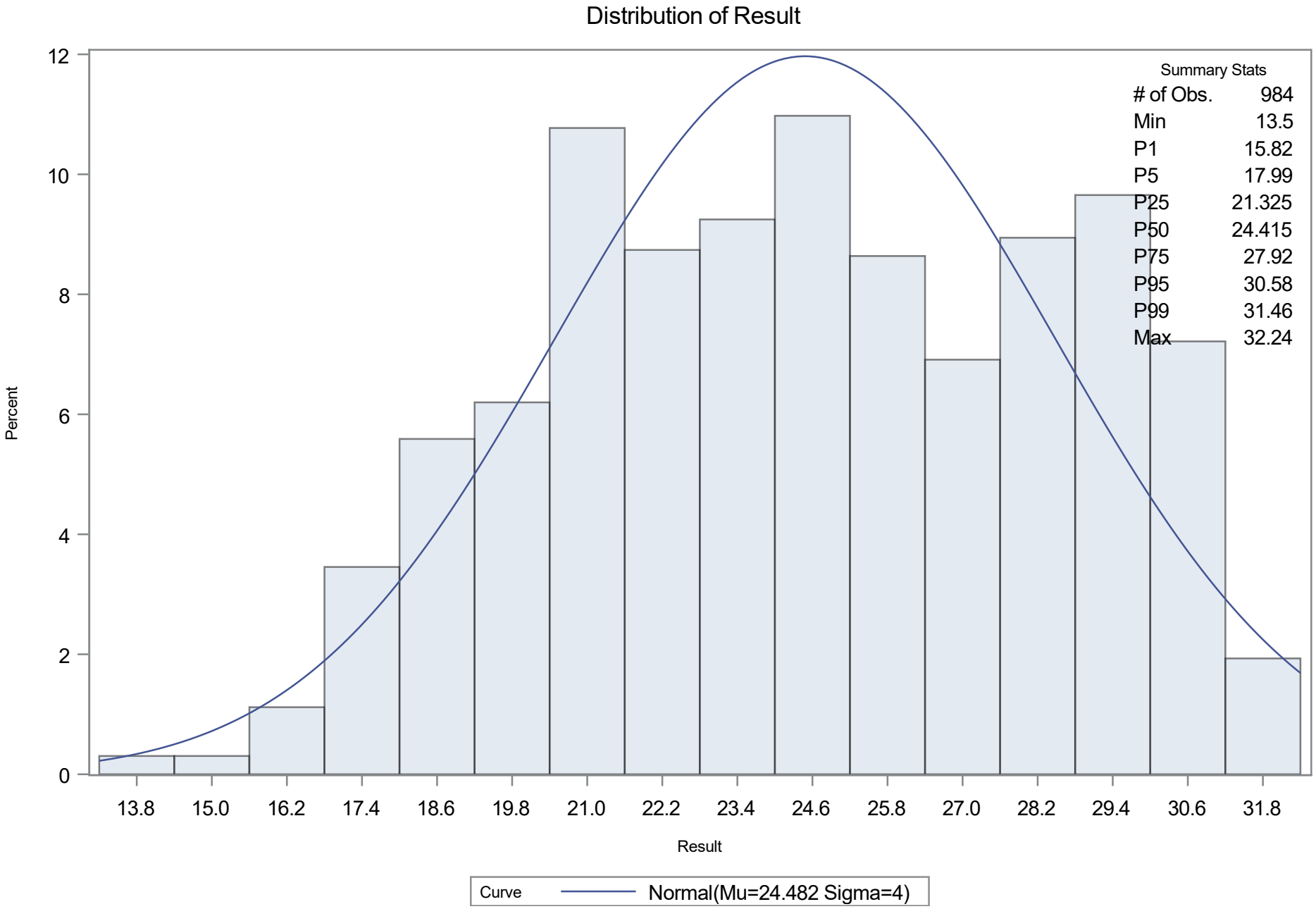


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.48206
Std Dev	Sigma	4.00001

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06515659	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.91669785	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.42869543	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.8200	15.1766
5.0	17.9900	17.9026
10.0	19.0900	19.3558
25.0	21.3250	21.7841
50.0	24.4150	24.4821
75.0	27.9200	27.1800
90.0	29.8700	29.6083
95.0	30.5800	31.0615
99.0	31.4600	33.7875

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	13.50	23.25	25.21	25.15	29.01	31.80
P2	456	15.62	20.88	24.18	24.18	27.33	32.24
P3	240	16.78	21.14	24.50	24.21	28.00	31.27
P4	72	19.00	21.39	24.13	24.37	26.46	29.44

Period of Record: January 1996 through December 2023
Analysis Days Only

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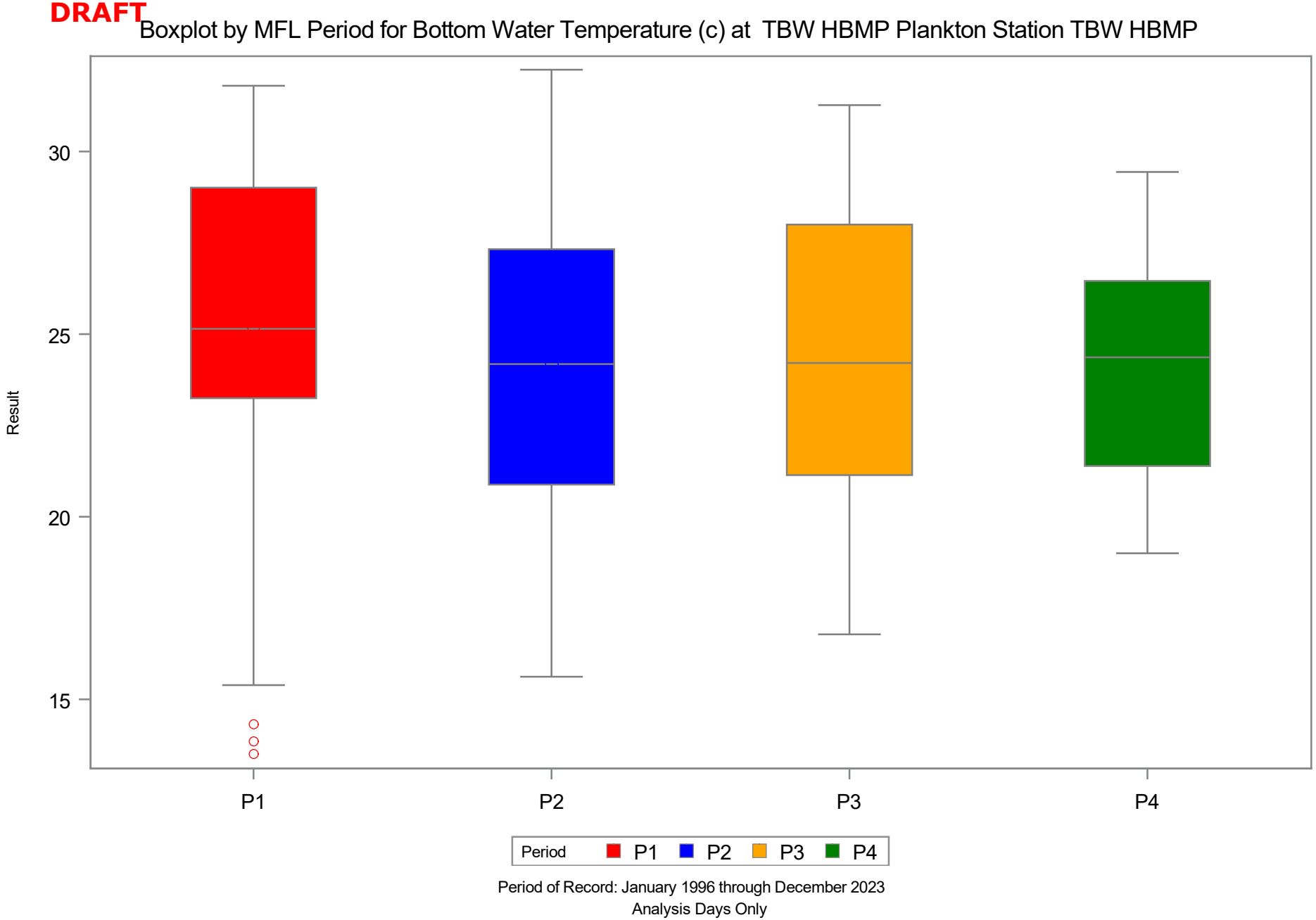
Boxplot by MFL Period for Bottom Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP
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Period of Record: January 1996 through December 2023
Analysis Days Only

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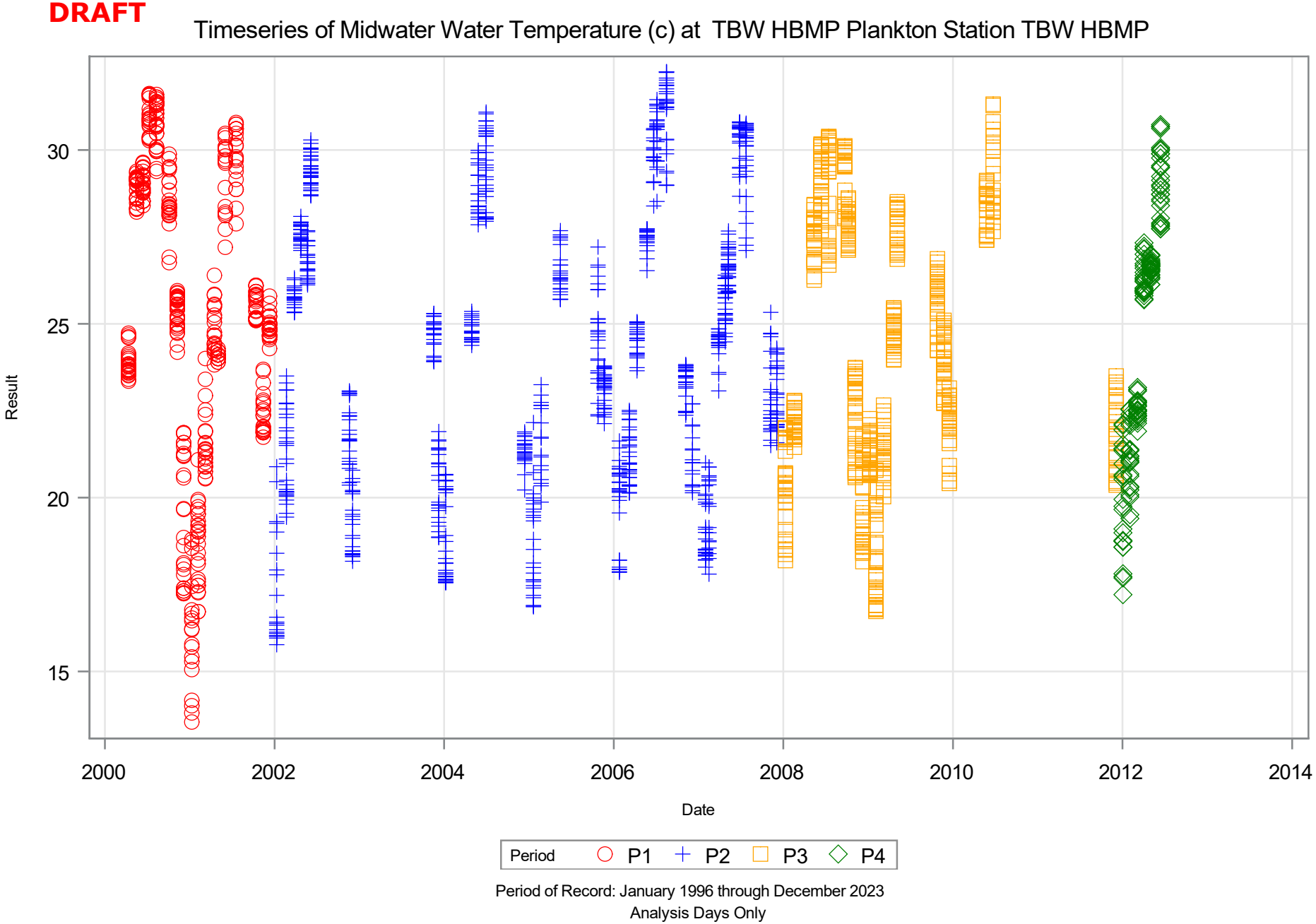
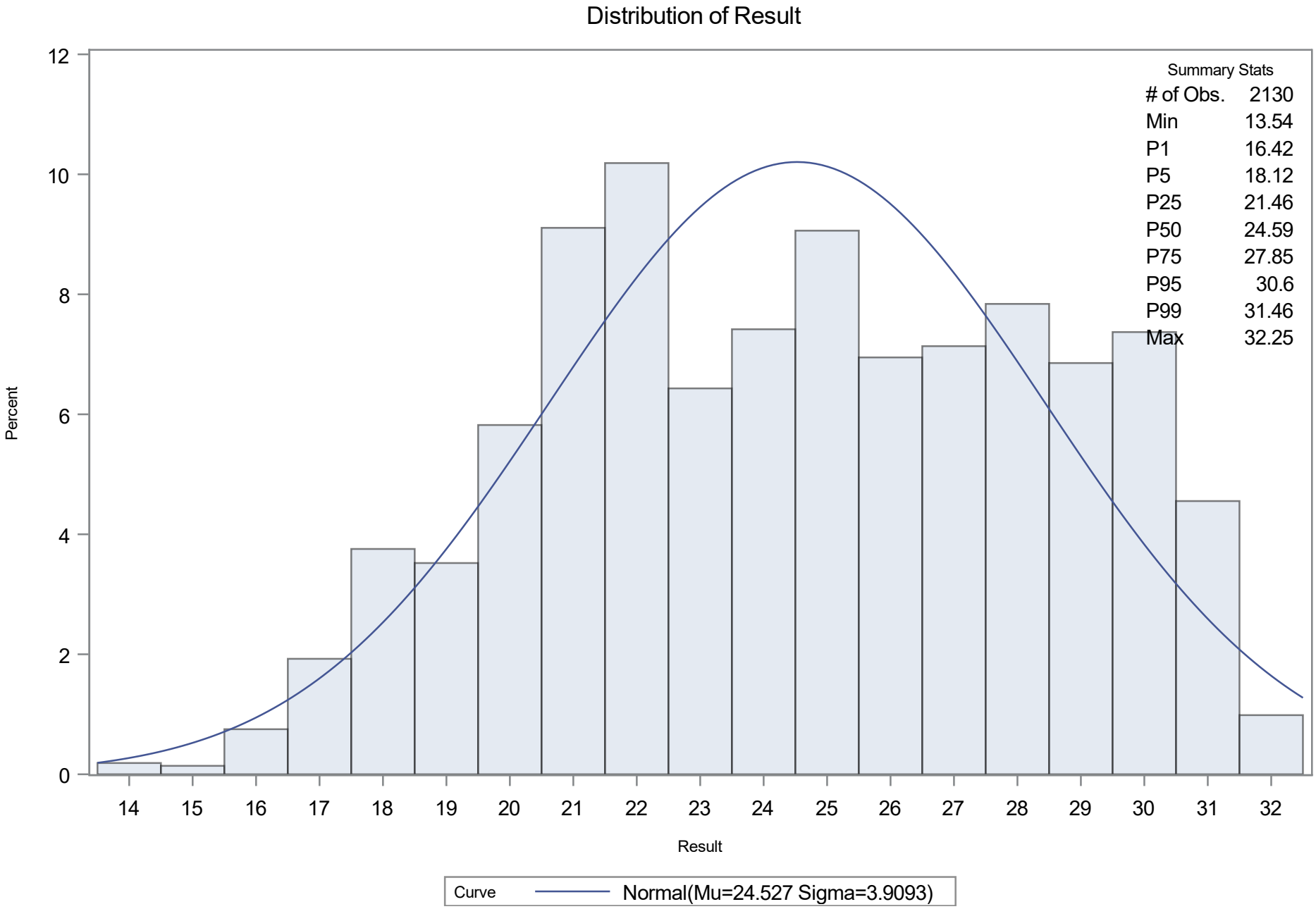


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.52685
Std Dev	Sigma	3.909255

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0556771	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.9772667	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	13.0678461	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.4200	15.4326
5.0	18.1200	18.0967
10.0	19.4300	19.5169
25.0	21.4600	21.8901
50.0	24.5900	24.5268
75.0	27.8500	27.1636
90.0	29.8900	29.5368
95.0	30.6000	30.9570
99.0	31.4600	33.6211

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	438	13.54	22.94	25.30	25.19	29.08	31.63
P2	949	15.77	21.09	24.29	24.17	27.40	32.25
P3	574	16.73	21.36	24.30	23.70	27.86	31.32
P4	169	17.21	22.08	24.64	25.98	26.86	30.73

Period of Record: January 1996 through December 2023
Analysis Days Only

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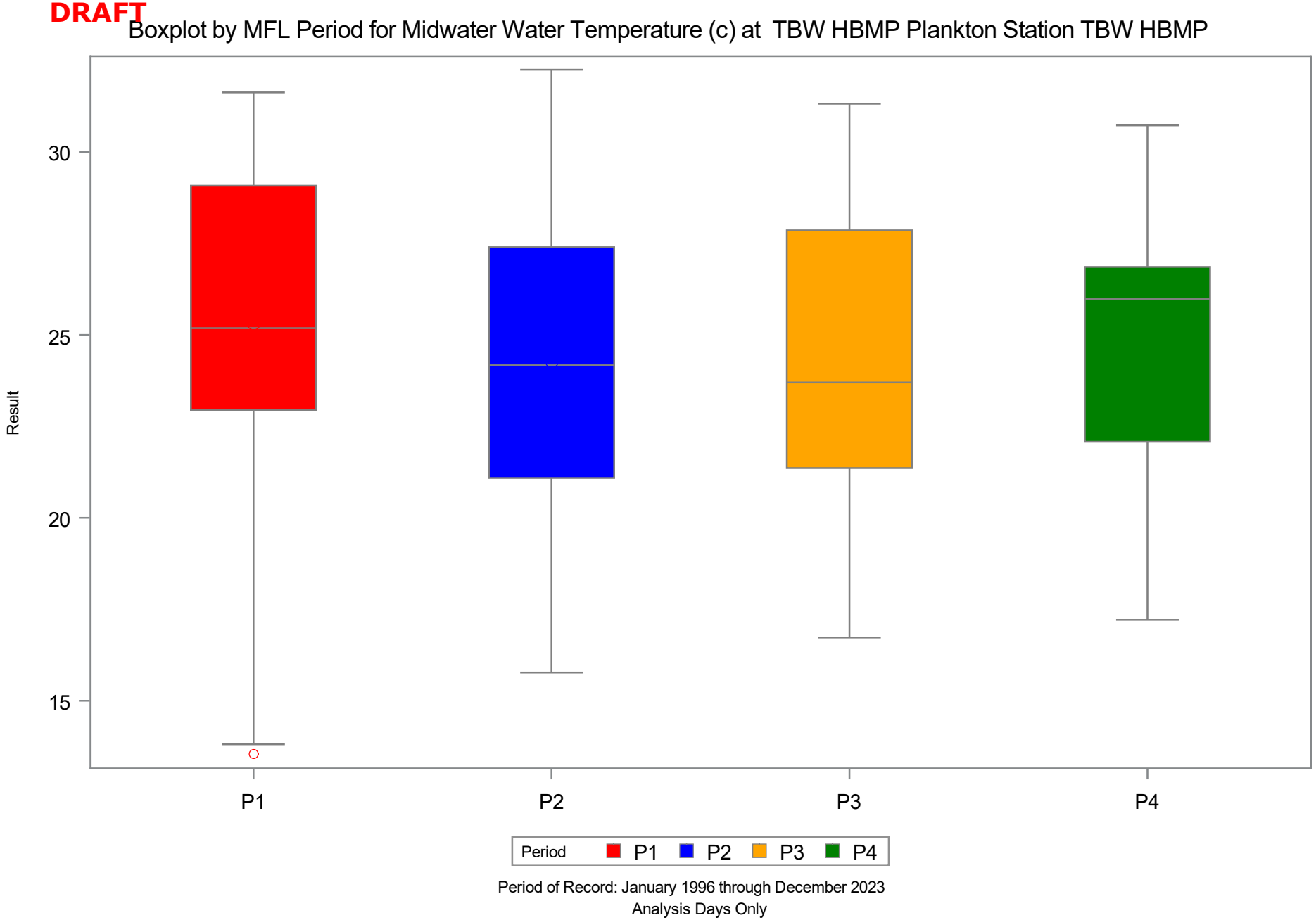
Boxplot by MFL Period for Midwater Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP
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Period of Record: January 1996 through December 2023
Analysis Days Only

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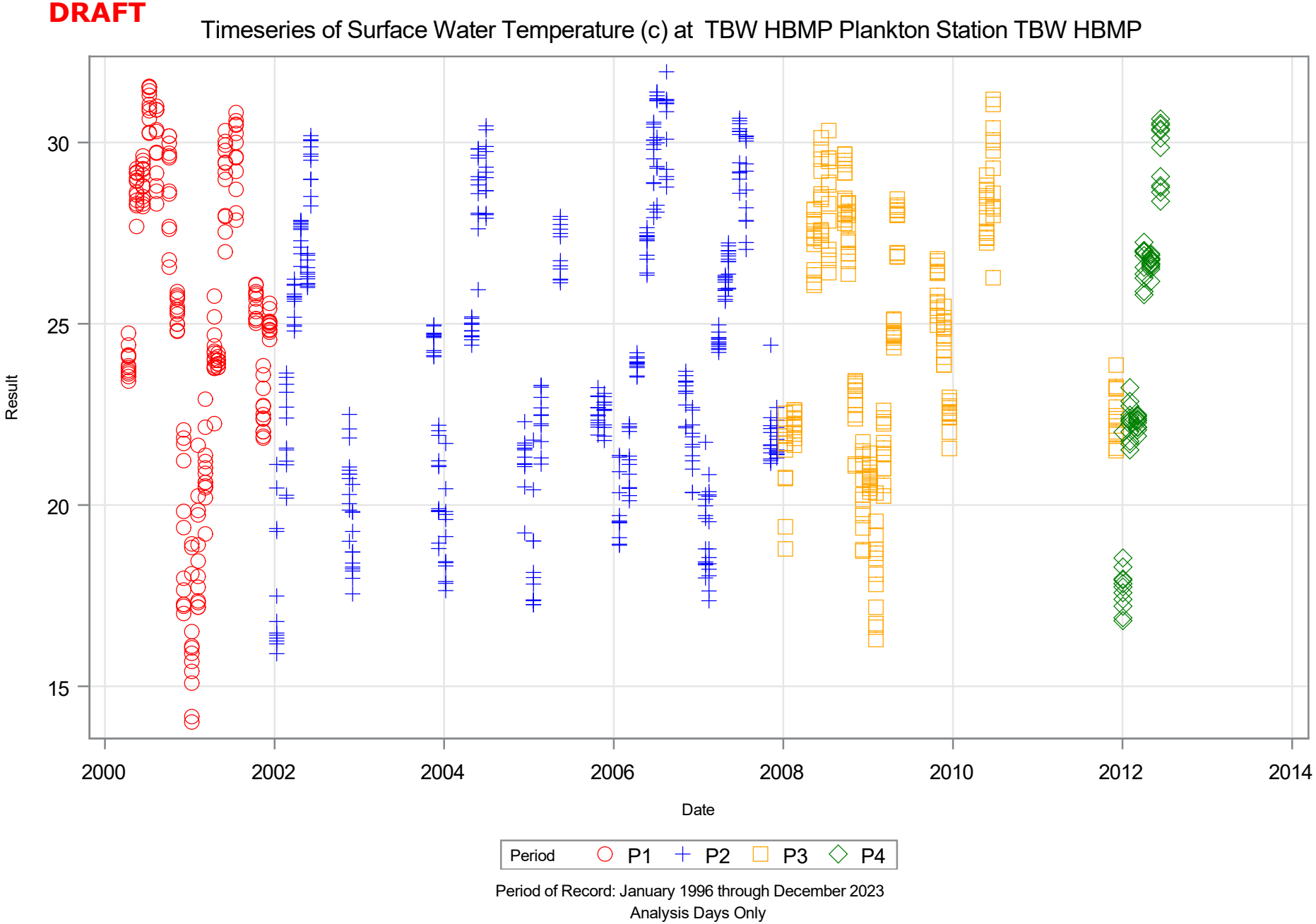
Timeseries of Surface Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP
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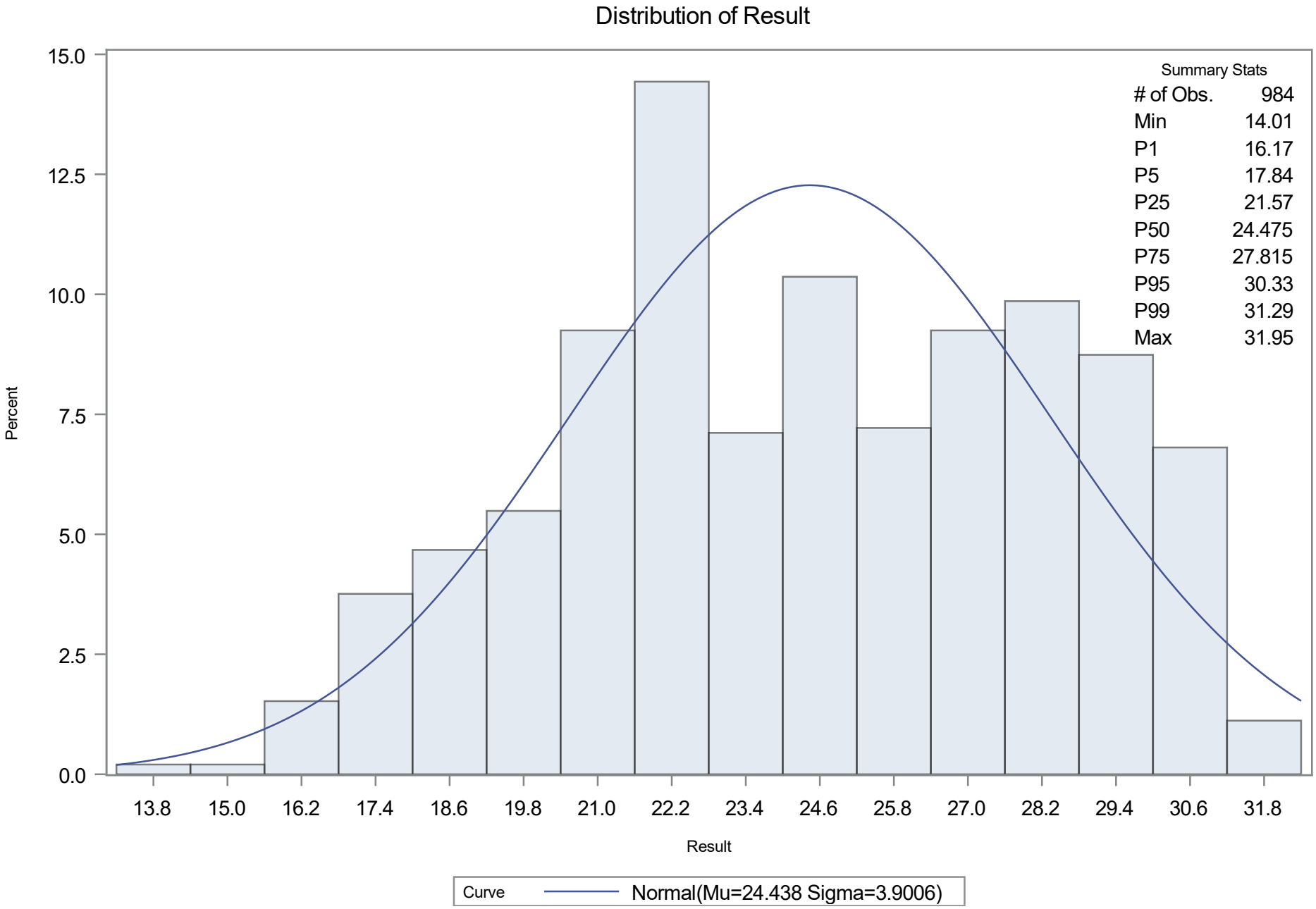
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.43769
Std Dev	Sigma	3.900635

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06176653	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.01155623	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.38159412	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.1700	15.3635
5.0	17.8400	18.0217
10.0	19.0100	19.4388
25.0	21.5700	21.8068
50.0	24.4750	24.4377
75.0	27.8150	27.0686
90.0	29.6500	29.4366
95.0	30.3300	30.8537
99.0	31.2900	33.5119

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	216	14.01	22.45	25.08	25.07	28.96	31.54
P2	456	15.90	21.15	24.06	23.67	27.30	31.95
P3	240	16.29	21.92	24.63	24.70	27.83	31.19
P4	72	16.81	22.11	24.26	24.52	26.96	30.65

Period of Record: January 1996 through December 2023
Analysis Days Only

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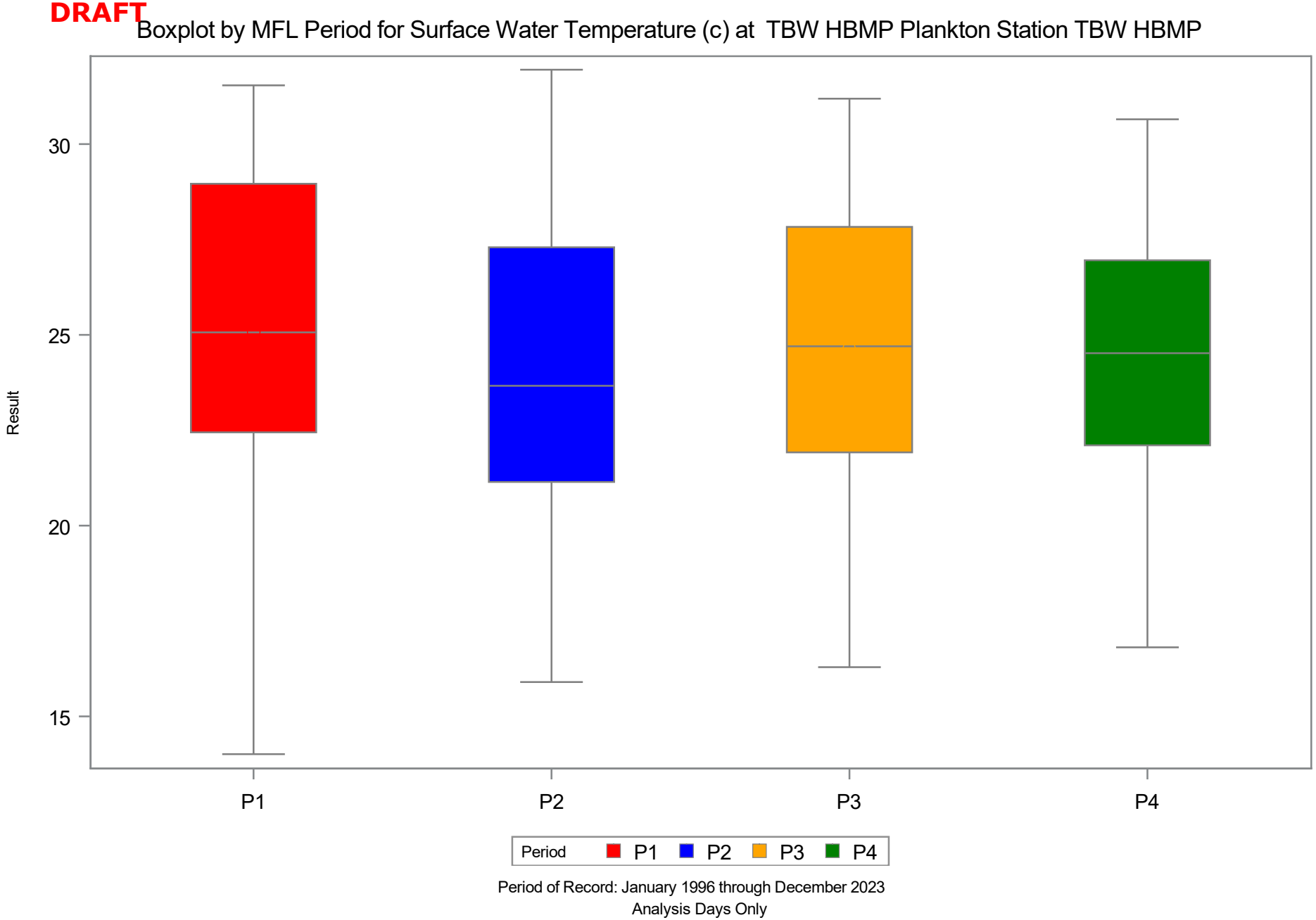
Boxplot by MFL Period for Surface Water Temperature (c) at TBW HBMP Plankton Station TBW HBMP
Result
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Period of Record: January 1996 through December 2023
Analysis Days Only

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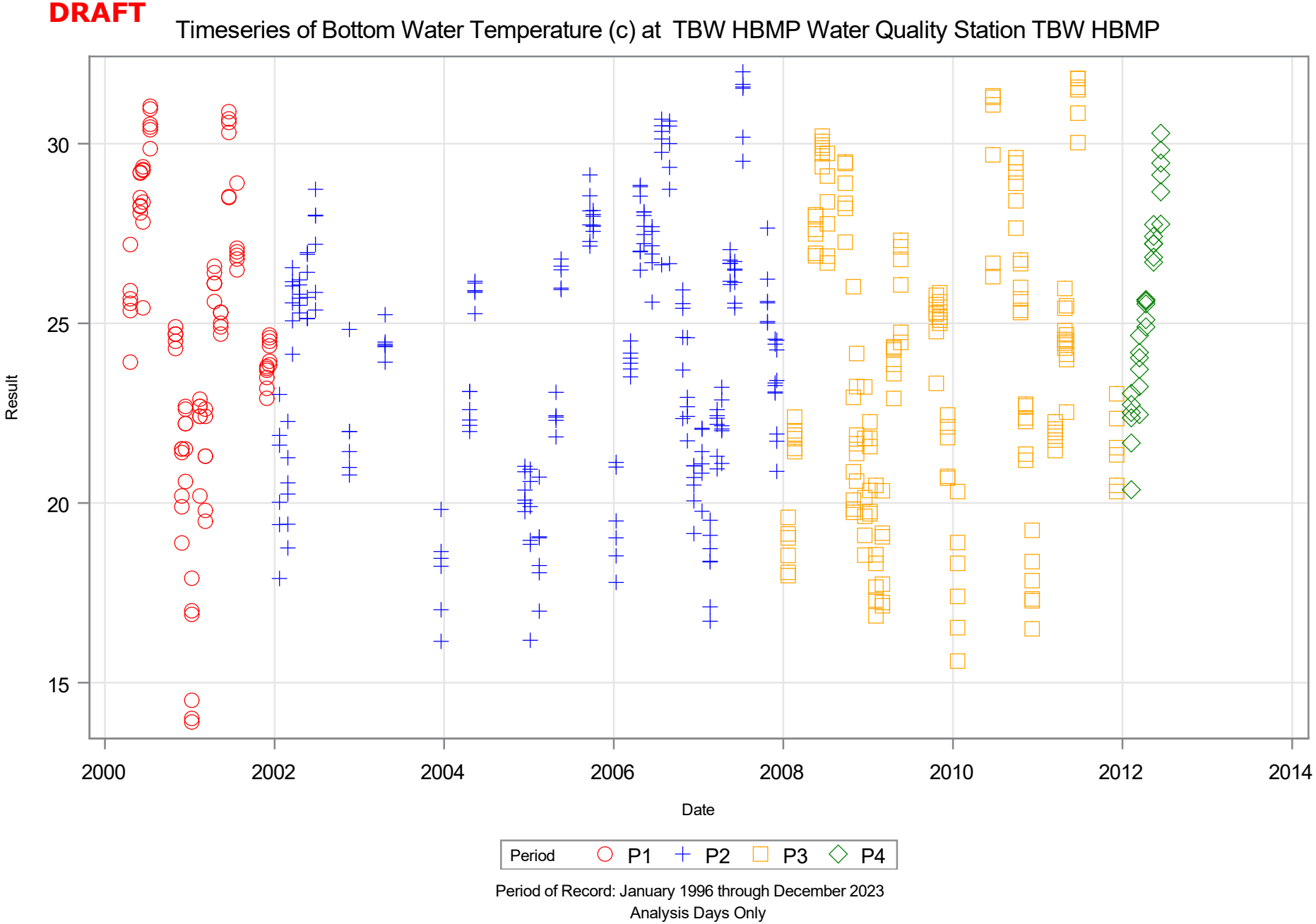
Timeseries of Bottom Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP
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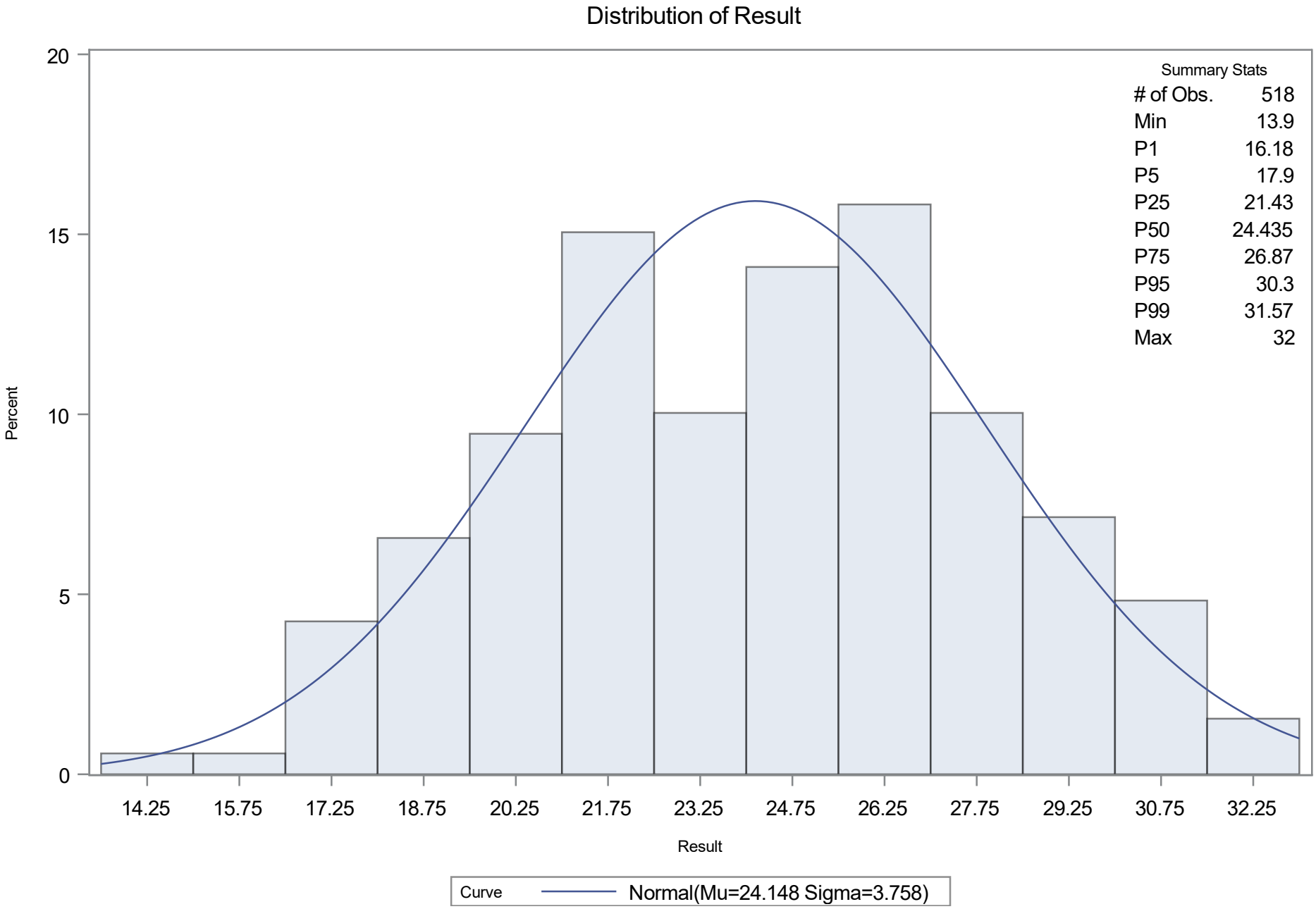
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.1483
Std Dev	Sigma	3.757951

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.04295938	**Pr > D**	0.021
Cramer-von Mises	**W-Sq**	0.19993809	**Pr > W-Sq**	0.005
Anderson-Darling	**A-Sq**	1.18486549	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.1800	15.4060
5.0	17.9000	17.9670
10.0	19.0300	19.3323
25.0	21.4300	21.6136
50.0	24.4350	24.1483
75.0	26.8700	26.6830
90.0	29.2600	28.9643
95.0	30.3000	30.3296
99.0	31.5700	32.8906

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Bottom Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	96	13.90	22.50	24.71	24.70	27.51	31.05
P2	226	16.15	21.10	24.03	24.40	26.67	32.00
P3	166	15.60	20.49	23.74	23.47	26.78	31.82
P4	30	20.37	23.24	25.53	25.58	27.42	30.29

Period of Record: January 1996 through December 2023
Analysis Days Only

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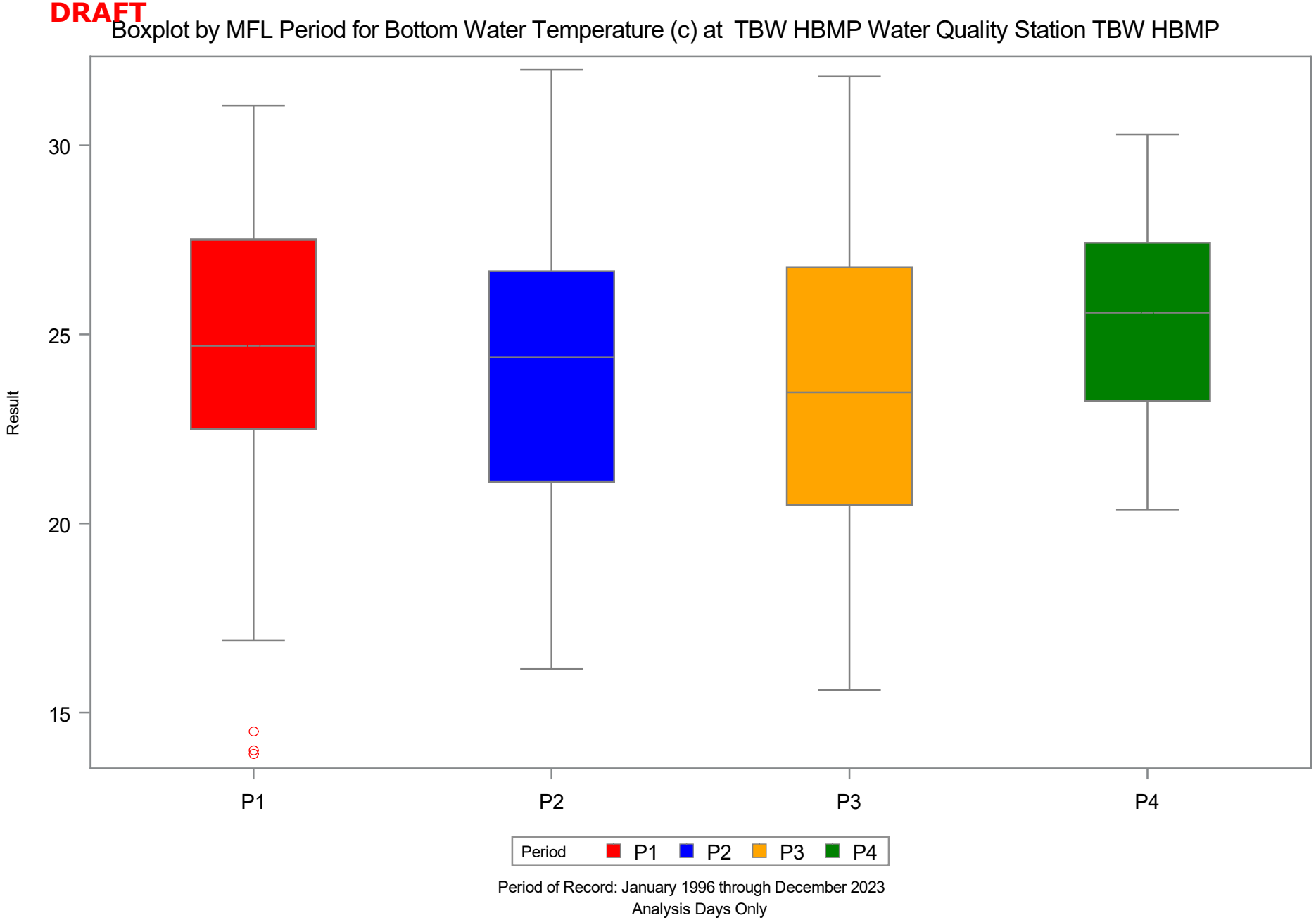
Boxplot by MFL Period for Bottom Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP
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Period of Record: January 1996 through December 2023
Analysis Days Only

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Timeseries of Midwater Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP

Period of Record: January 1996 through December 2023
Analysis Days Only

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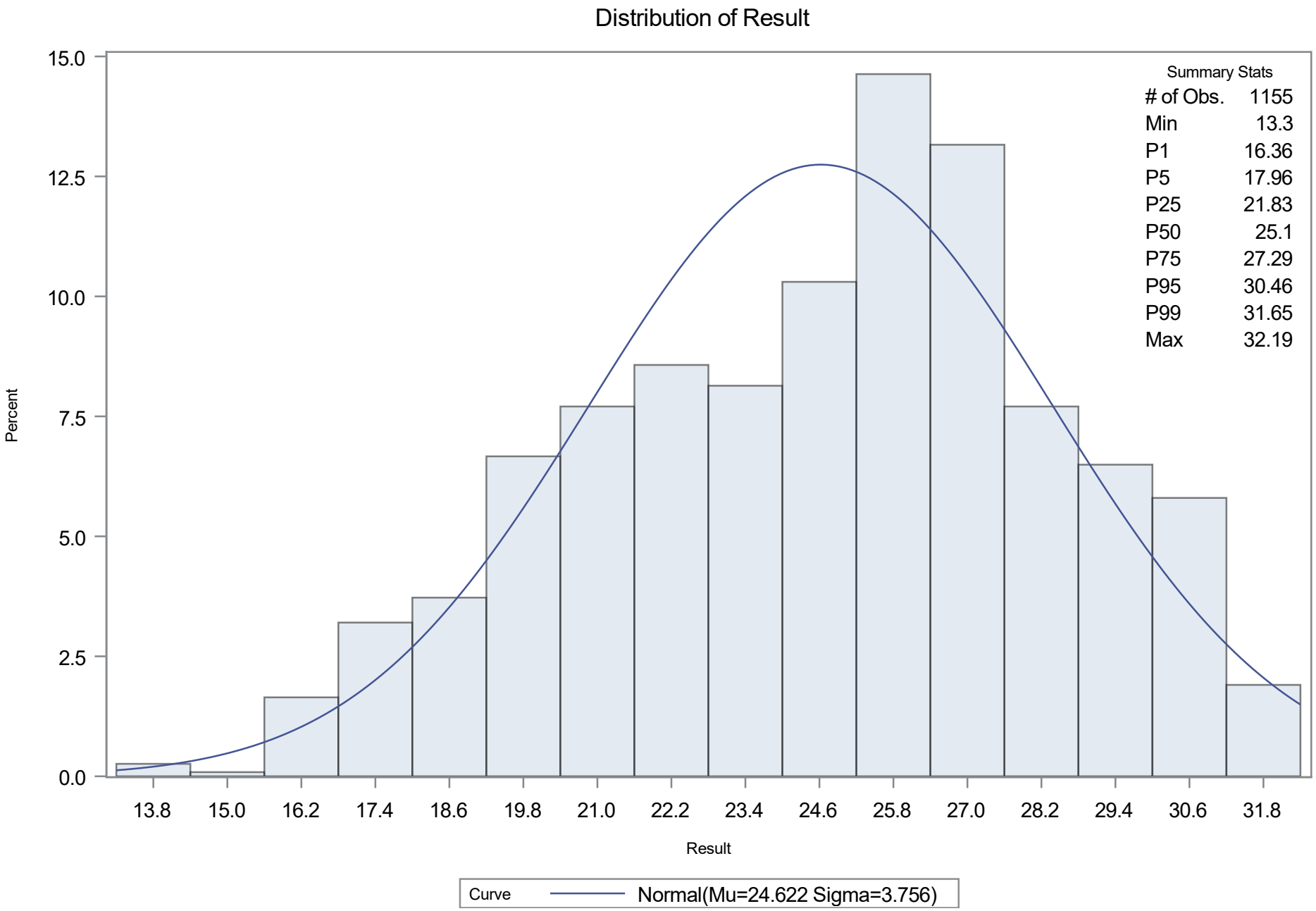
Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Midwater Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.62239
Std Dev	Sigma	3.756039

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06317836	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.75374707	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.39655444	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.3600	15.8845
5.0	17.9600	18.4443
10.0	19.4000	19.8088
25.0	21.8300	22.0890
50.0	25.1000	24.6224
75.0	27.2900	27.1558
90.0	29.5300	29.4359
95.0	30.4600	30.8005
99.0	31.6500	33.3602

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Midwater Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	287	13.30	23.30	25.23	25.40	28.28	31.13
P2	406	16.24	21.84	24.47	25.39	26.96	32.19
P3	389	15.77	21.01	24.11	24.35	27.13	31.99
P4	73	20.37	24.63	25.83	26.40	27.36	30.73

Period of Record: January 1996 through December 2023
Analysis Days Only

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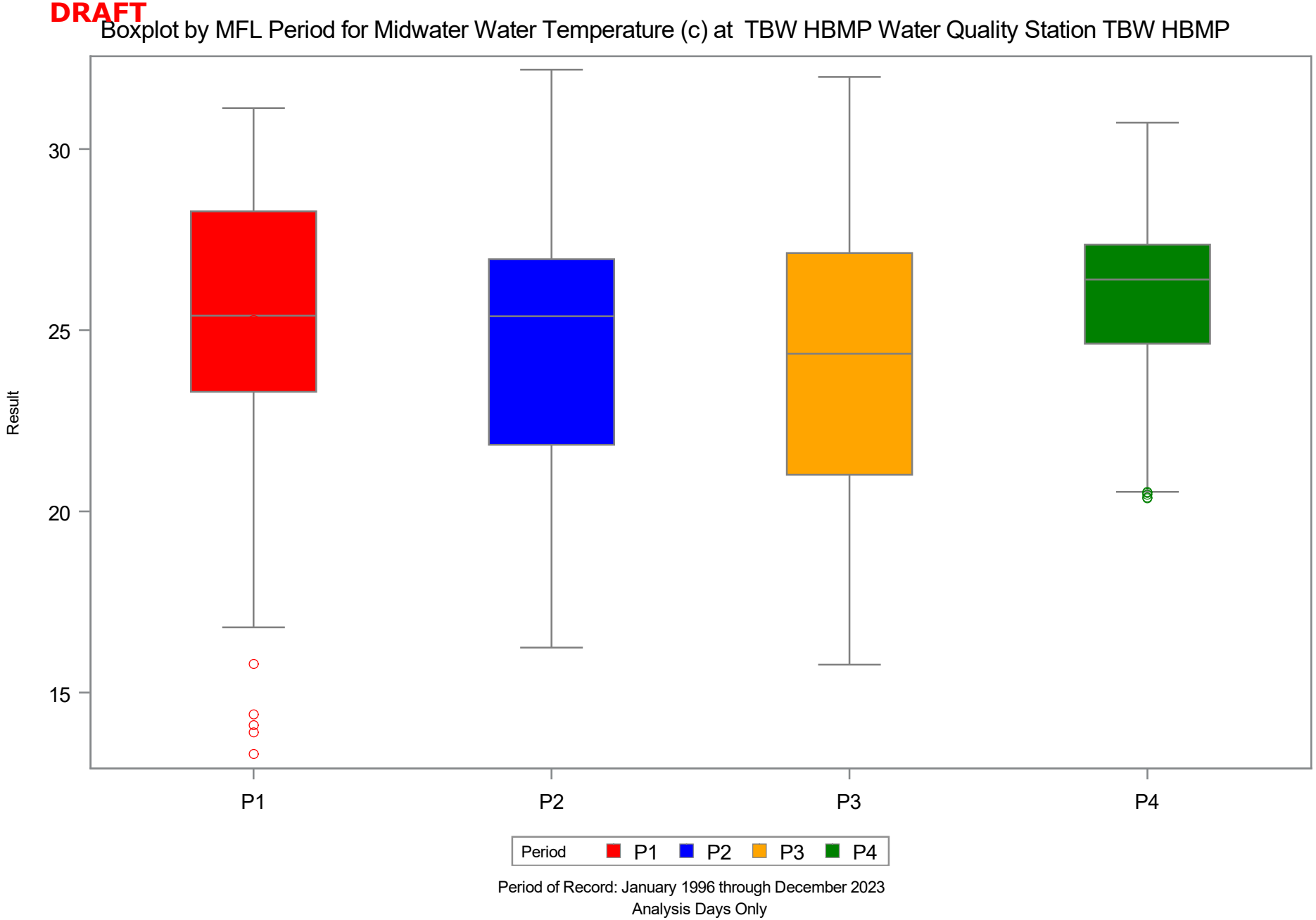
Boxplot by MFL Period for Midwater Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP
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Period of Record: January 1996 through December 2023
Analysis Days Only

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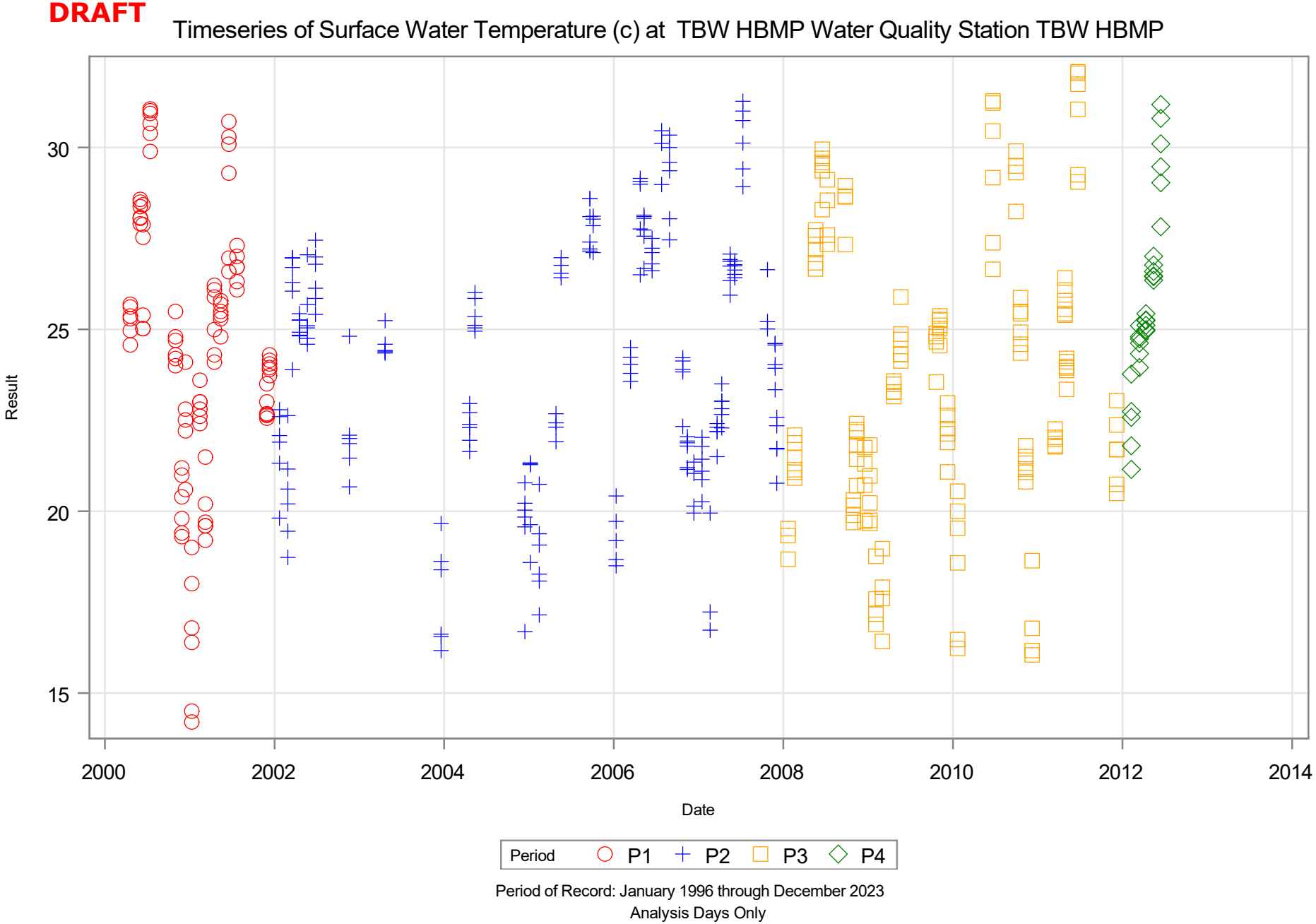
Timeseries of Surface Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP
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Period of Record: January 1996 through December 2023
Analysis Days Only

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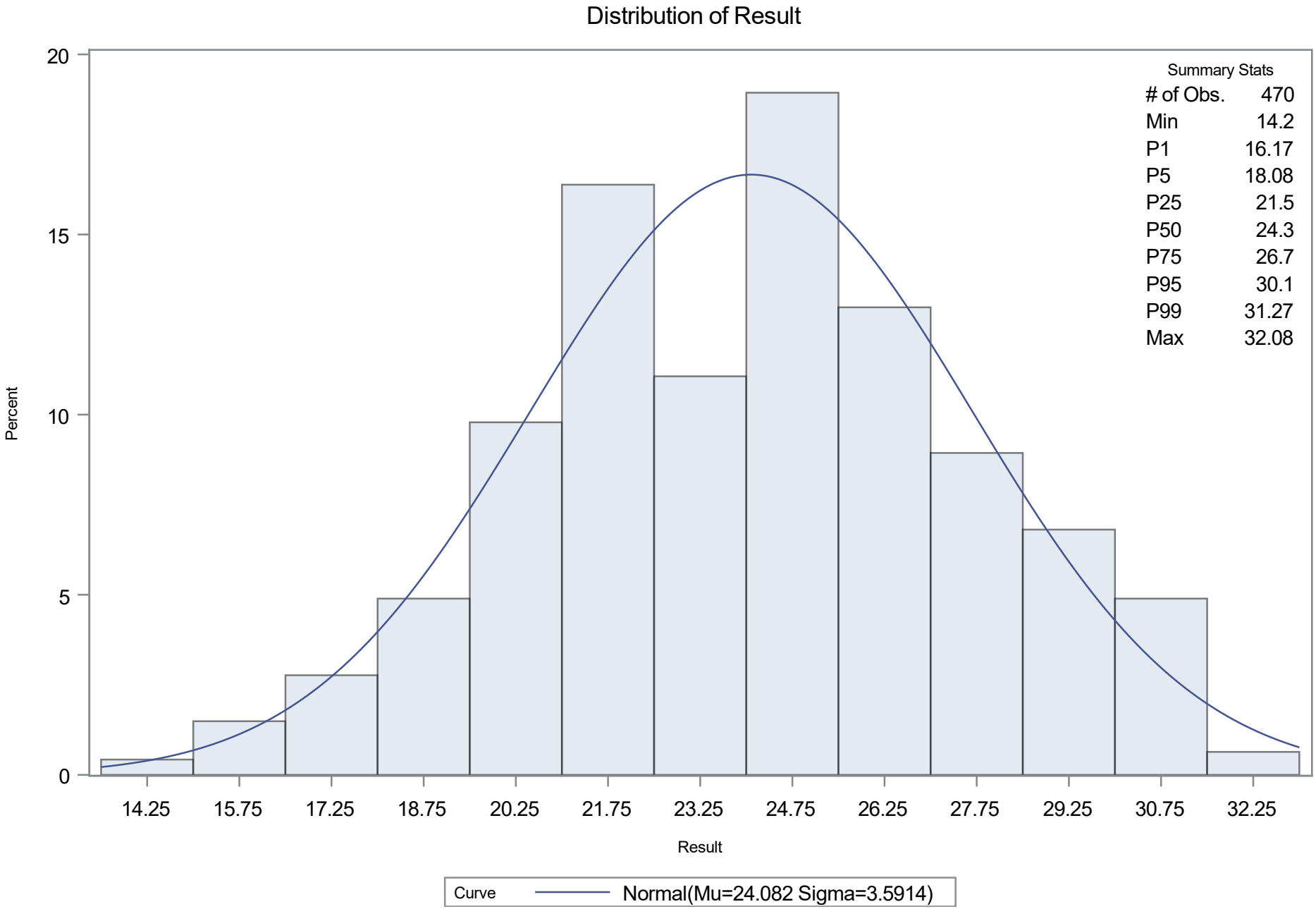
Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

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Univariate Histogram of Surface Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.08164
Std Dev	Sigma	3.591445

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.03597305	**Pr > D**	0.143
Cramer-von Mises	**W-Sq**	0.10642952	**Pr > W-Sq**	0.094
Anderson-Darling	**A-Sq**	0.64688889	**Pr > A-Sq**	0.093

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.1700	15.7267
5.0	18.0800	18.1742
10.0	19.5500	19.4790
25.0	21.5000	21.6592
50.0	24.3000	24.0816
75.0	26.7000	26.5040
90.0	29.0100	28.6843
95.0	30.1000	29.9890
99.0	31.2700	32.4366

Period of Record: January 1996 through December 2023
Analysis Days Only

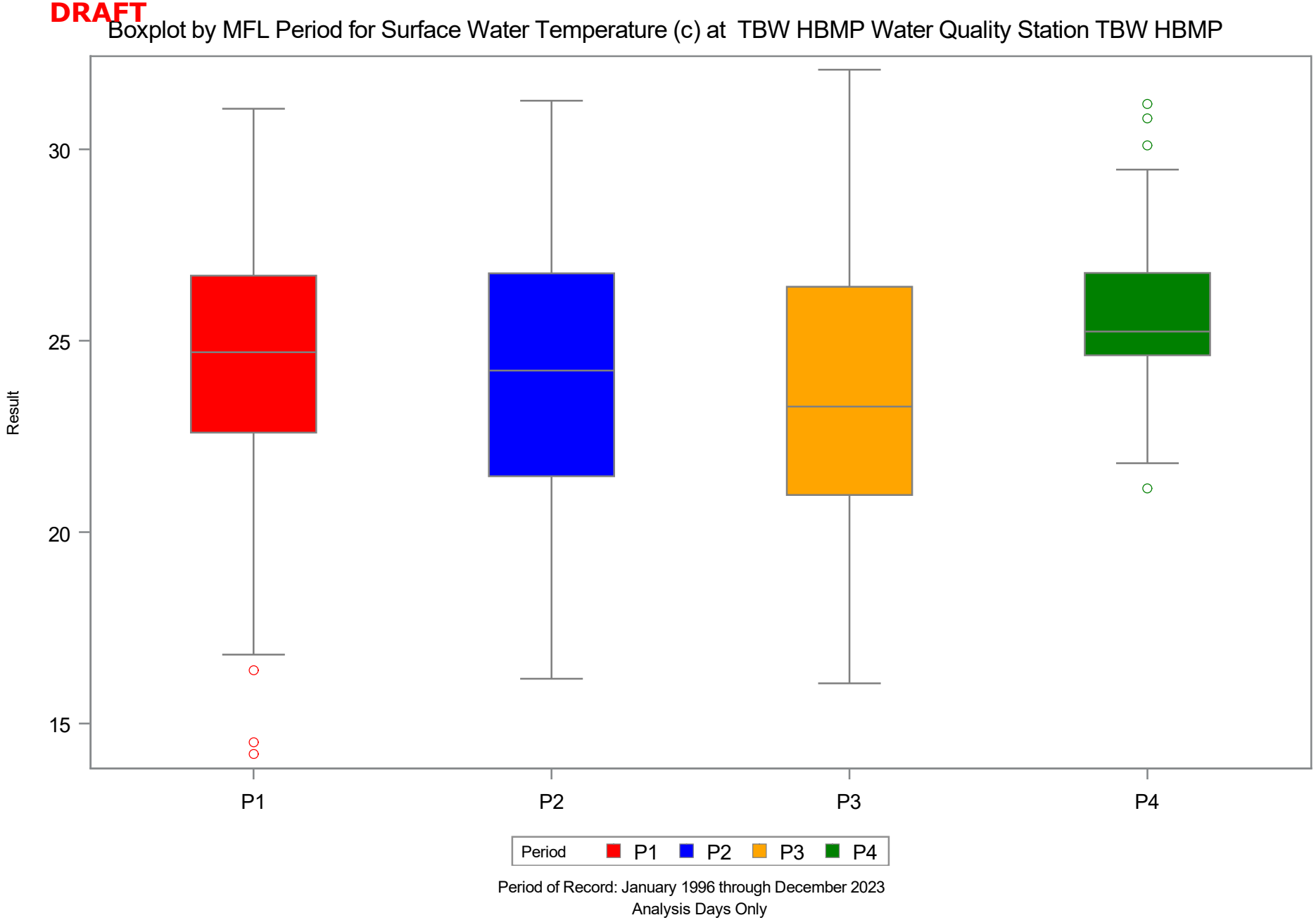
DRAFT

Distributional Statistics by Period for Surface Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	95	14.20	22.60	24.42	24.70	26.70	31.06
P2	203	16.17	21.46	23.97	24.22	26.76	31.27
P3	143	16.05	20.97	23.66	23.28	26.41	32.08
P4	29	21.15	24.62	25.81	25.24	26.77	31.18

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature (c) at TBW HBMP Water Quality Station TBW HBMP
Result
30
25
20
15
P1
P2
P3
P4
Period
P1
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Water Temperature Daily Avg (c) at COT Station Blue Sink to Base of Dam

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at COT Station Blue Sink to Base of Dam

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

DRAFT

Timeseries of Surface Water Temperature Daily Avg (c) at COT Station Hills. River Reservoir to Base of D

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at COT Station Hills. River Reservoir to Base of D

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	0	0	0	0	0	0	0

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

DRAFT

Timeseries of Surface Water Temperature Daily Avg (c) at COT Station Sulphur Springs to Base of Dam

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at COT Station Sulphur Springs to Base of Dam

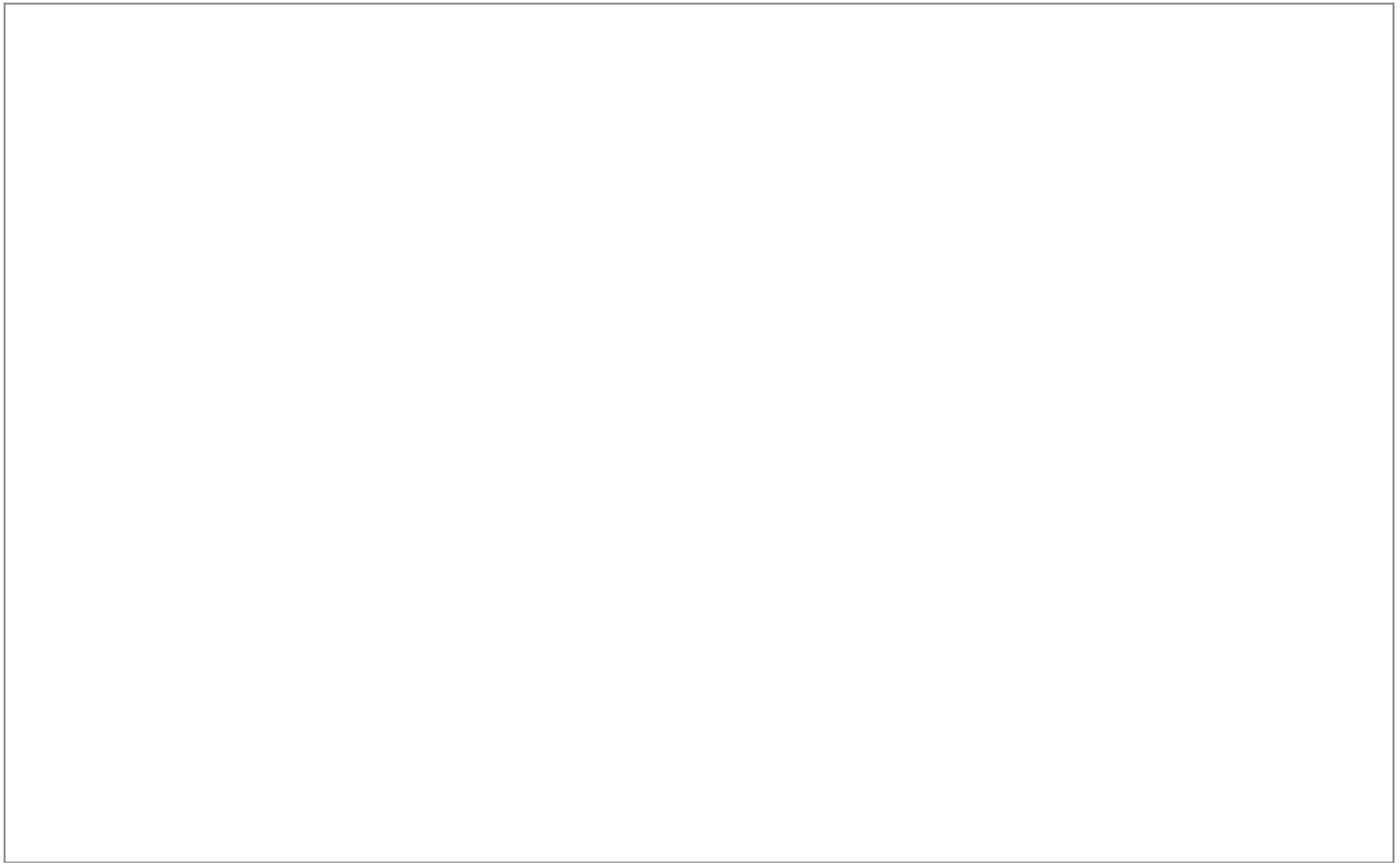
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

DRAFT

Timeseries of Surface Water Temperature Daily Avg (c) at COT Station Sulphur Springs to Run



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

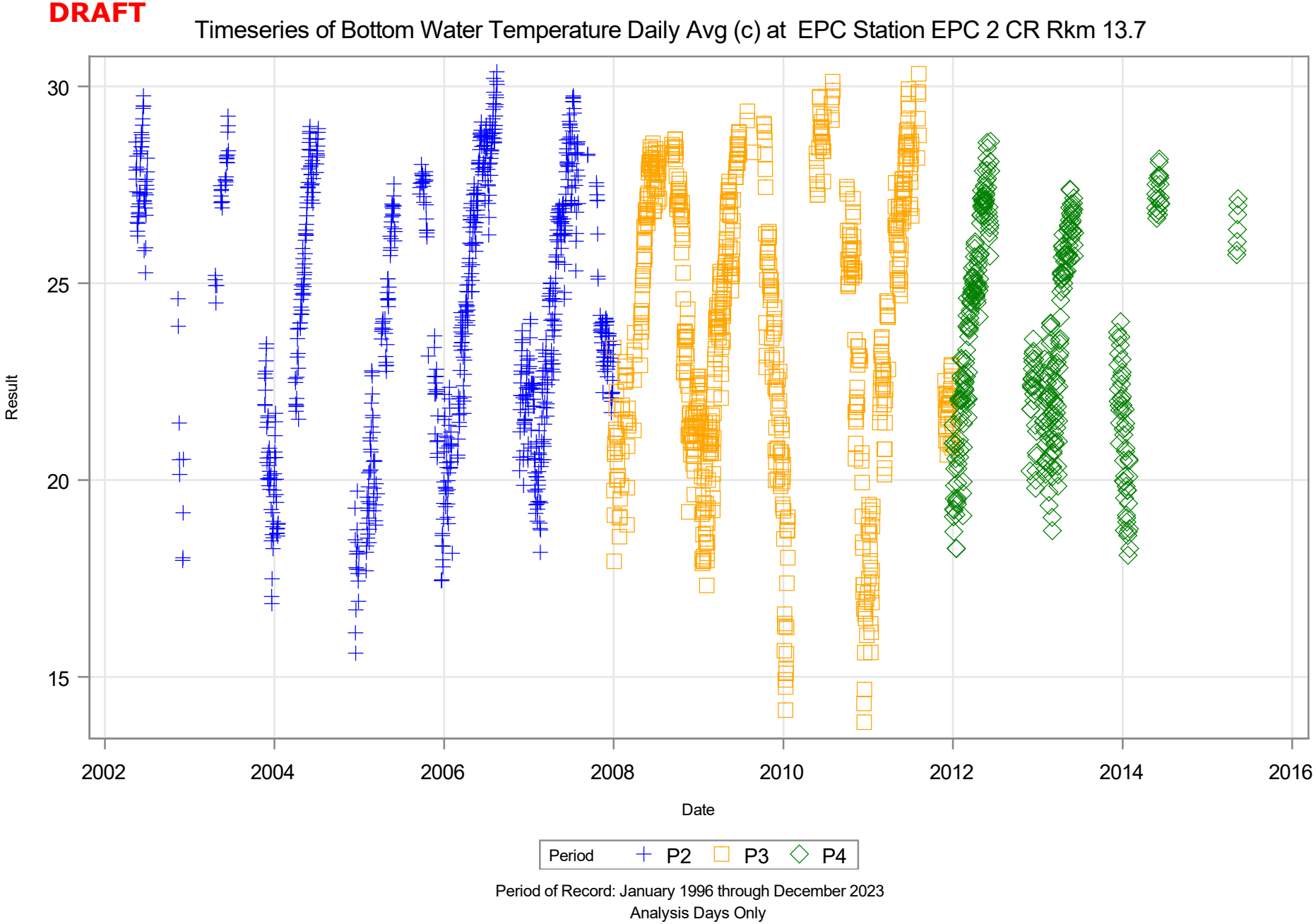
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at COT Station Sulphur Springs to Run

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0

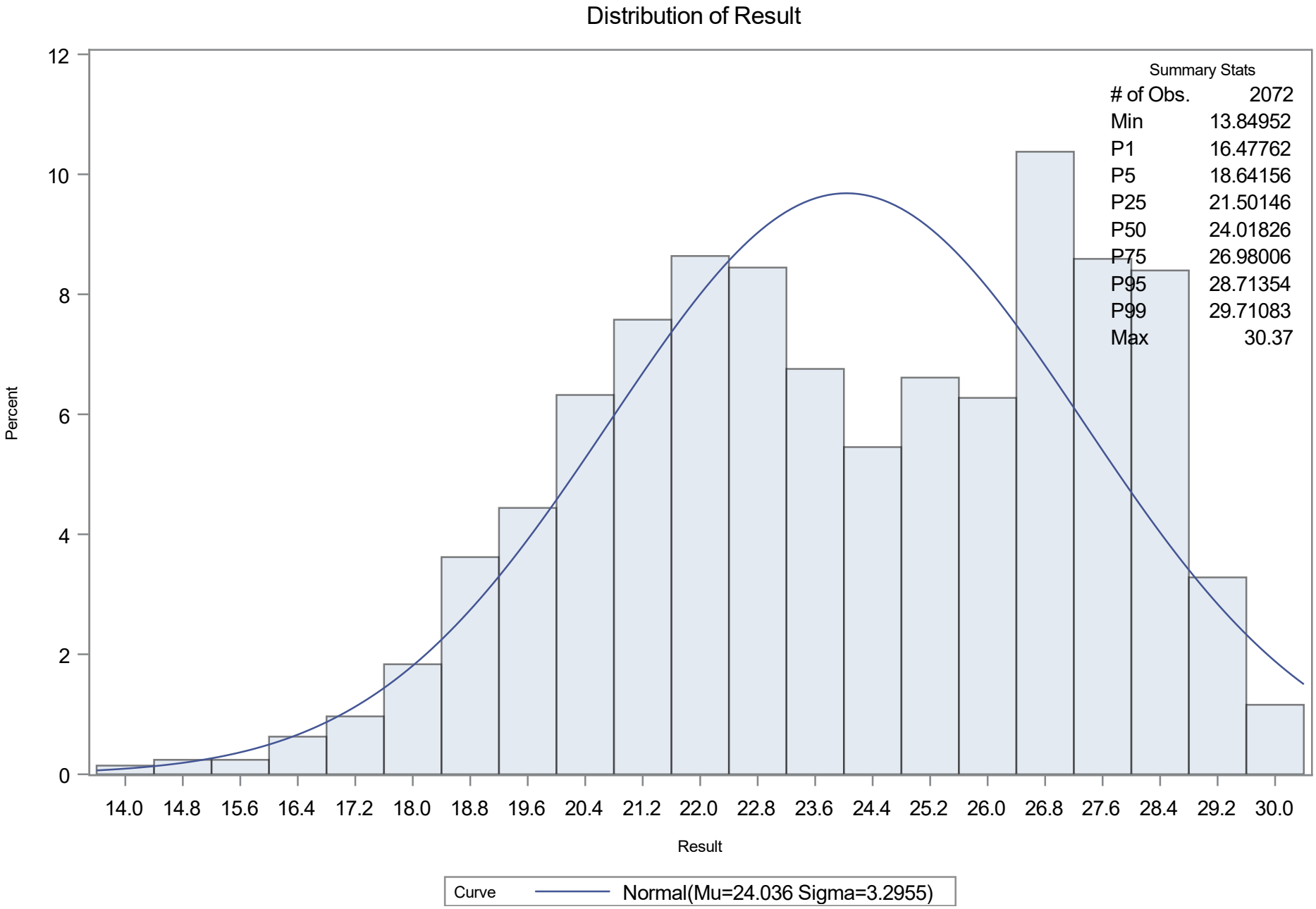
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.03585
Std Dev	Sigma	3.295506

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0843113	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.1114844	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	19.2684684	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.4776	16.3694
5.0	18.6416	18.6152
10.0	19.6558	19.8125
25.0	21.5015	21.8131
50.0	24.0183	24.0359
75.0	26.9801	26.2586
90.0	28.2518	28.2592
95.0	28.7135	29.4565
99.0	29.7108	31.7023

Period of Record: January 1996 through December 2023
Analysis Days Only

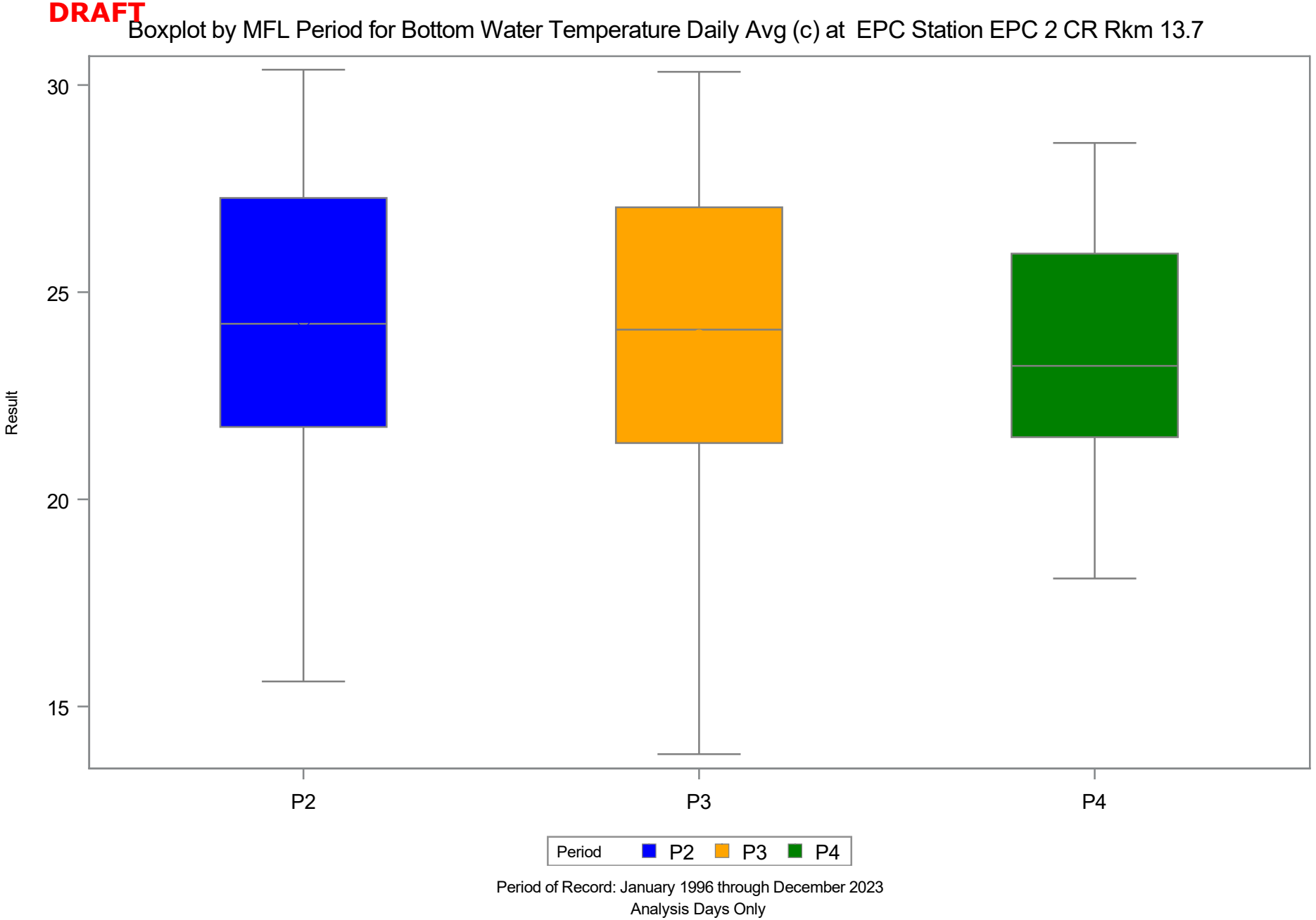
DRAFT

Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7

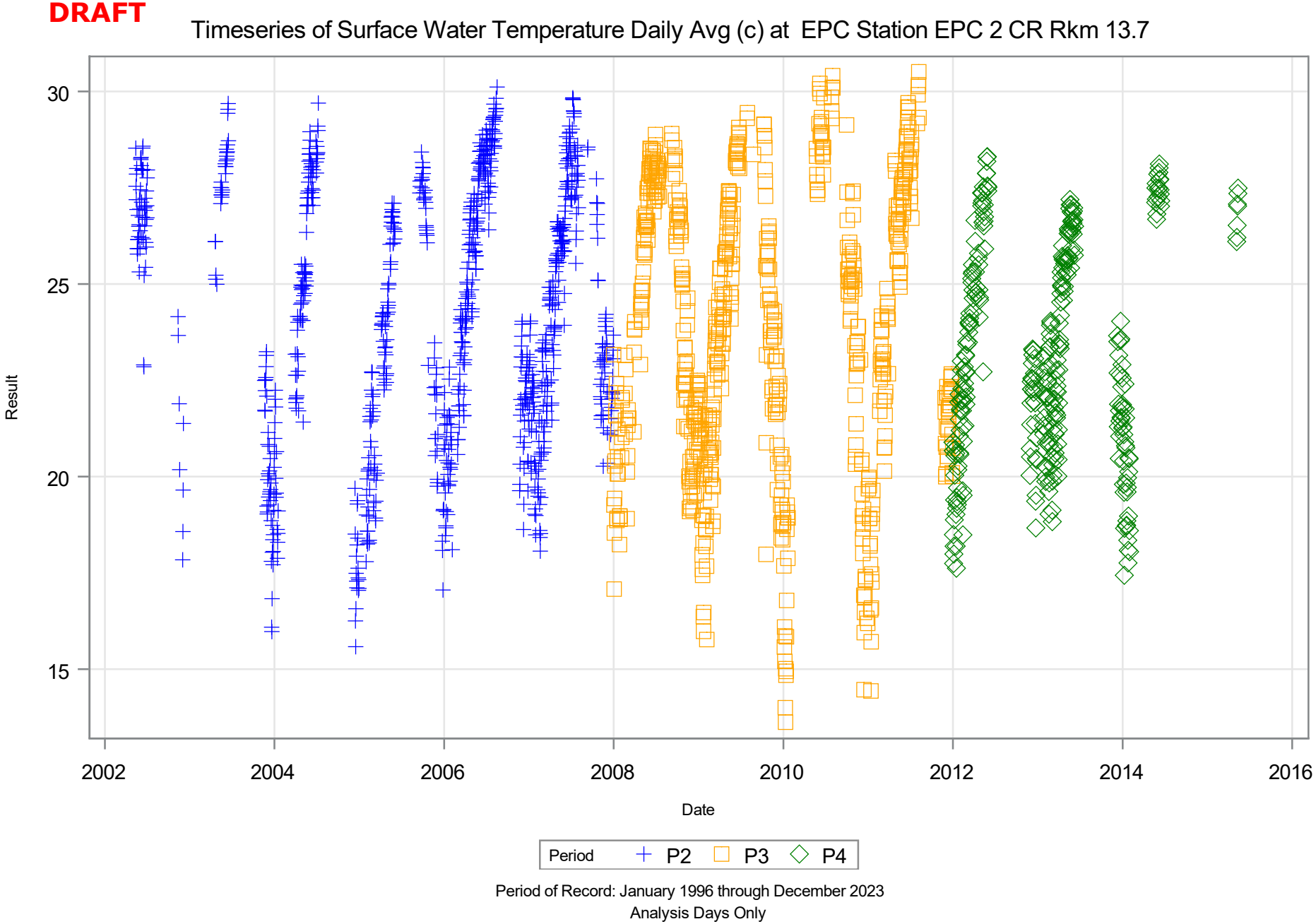
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	910	15.60	21.75	24.32	24.24	27.27	30.37
P3	767	13.85	21.36	23.94	24.10	27.05	30.32
P4	395	18.09	21.50	23.57	23.22	25.93	28.60

Period of Record: January 1996 through December 2023
Analysis Days Only

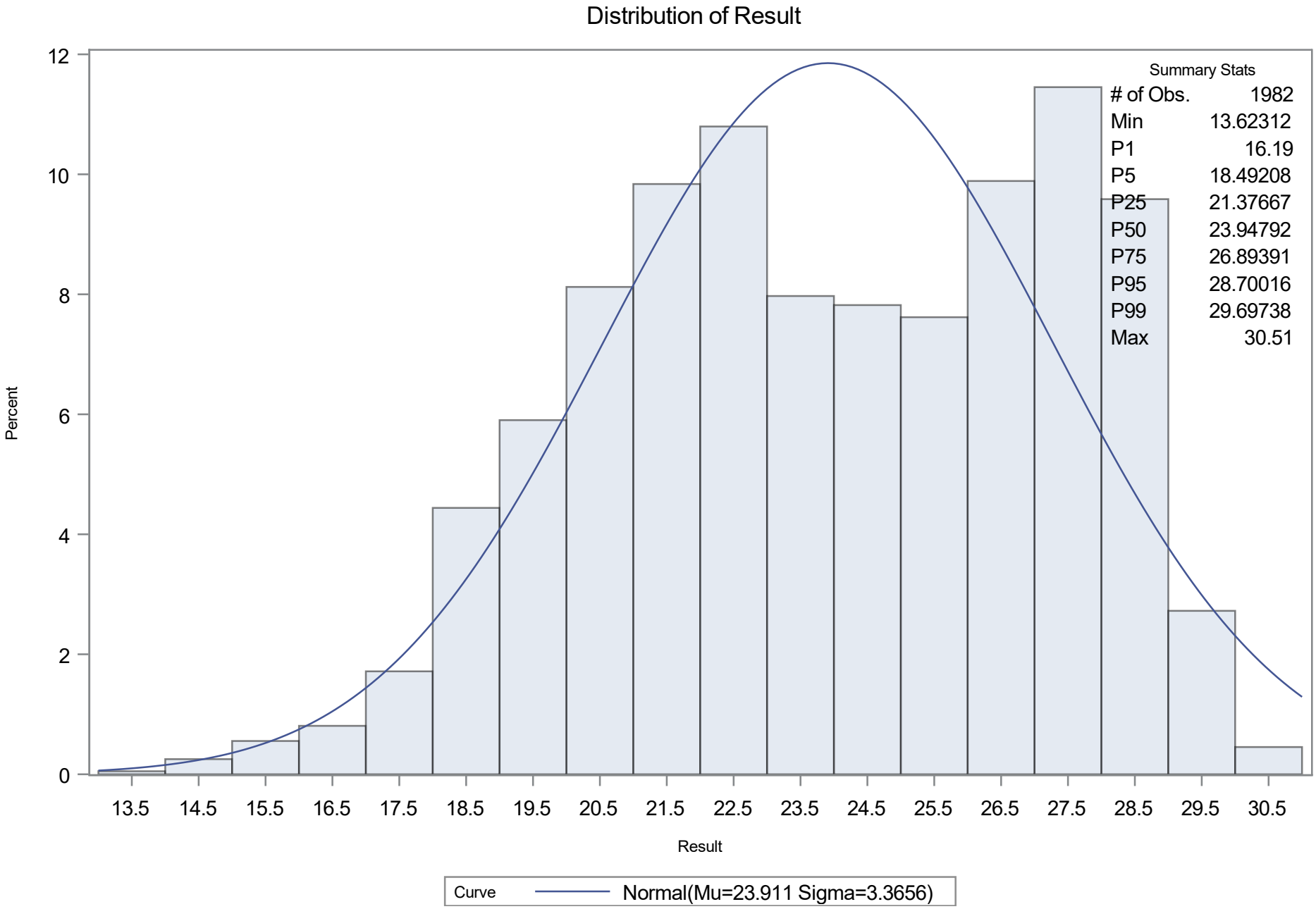
DRAFT


Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7
Result
30
25
20
15
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.91144
Std Dev	Sigma	3.365577

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0776923	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.7528314	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	17.3060395	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.1900	16.0819
5.0	18.4921	18.3756
10.0	19.3774	19.5983
25.0	21.3767	21.6414
50.0	23.9479	23.9114
75.0	26.8939	26.1815
90.0	28.2257	28.2246
95.0	28.7002	29.4473
99.0	29.6974	31.7409

Period of Record: January 1996 through December 2023
Analysis Days Only

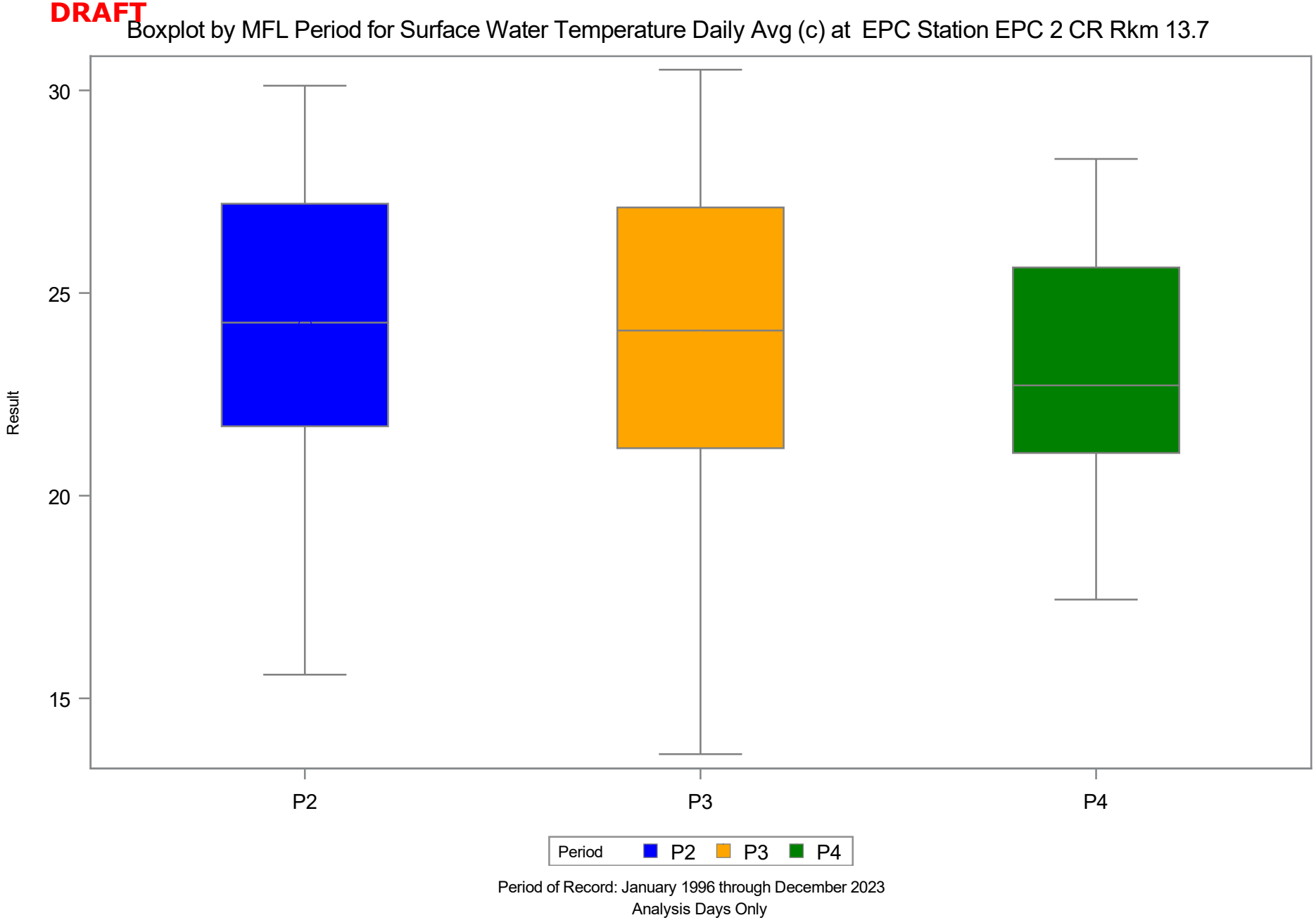
DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7

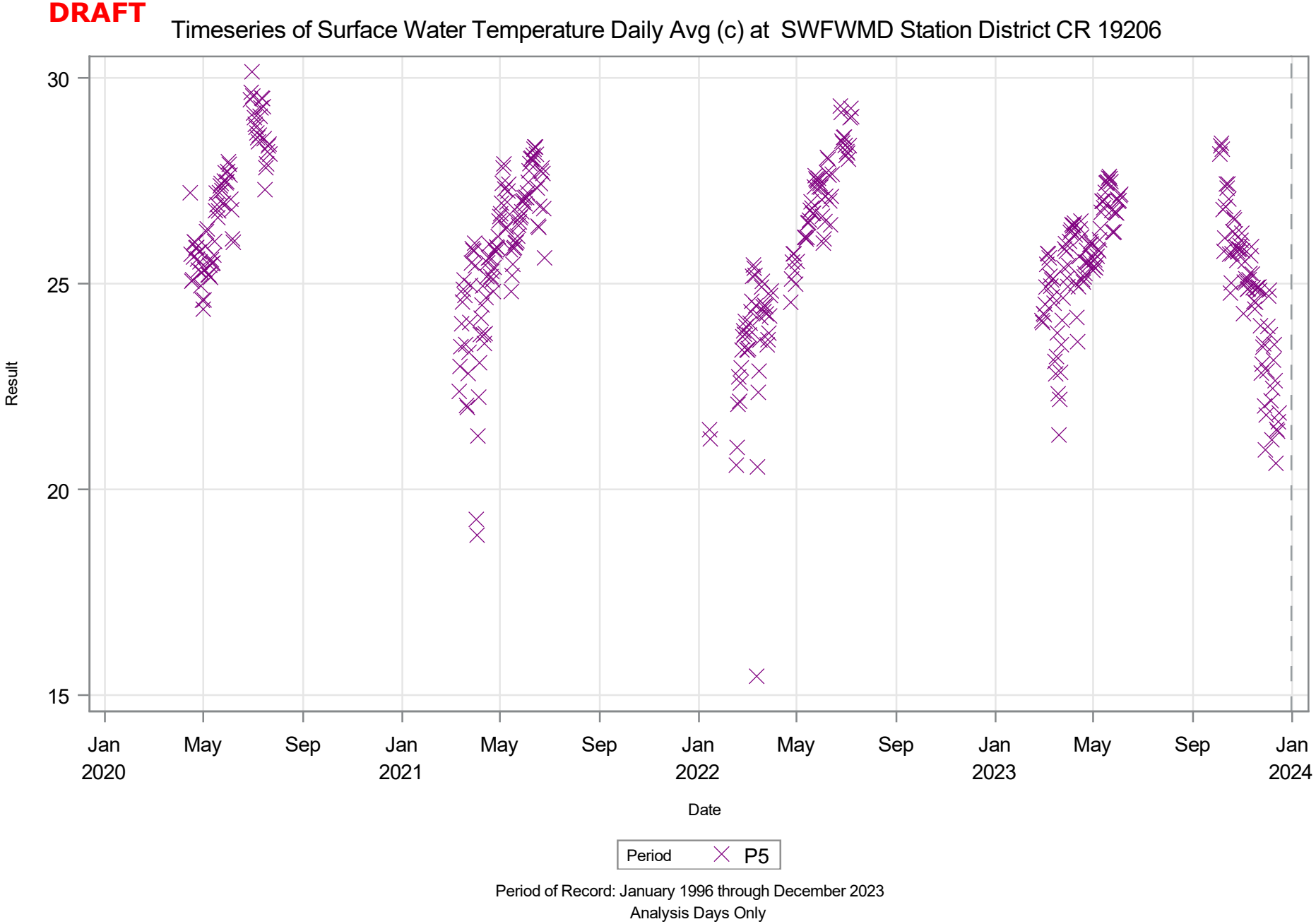
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	895	15.58	21.71	24.23	24.27	27.20	30.12
P3	741	13.62	21.17	23.88	24.07	27.11	30.51
P4	346	17.44	21.05	23.15	22.72	25.63	28.31

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

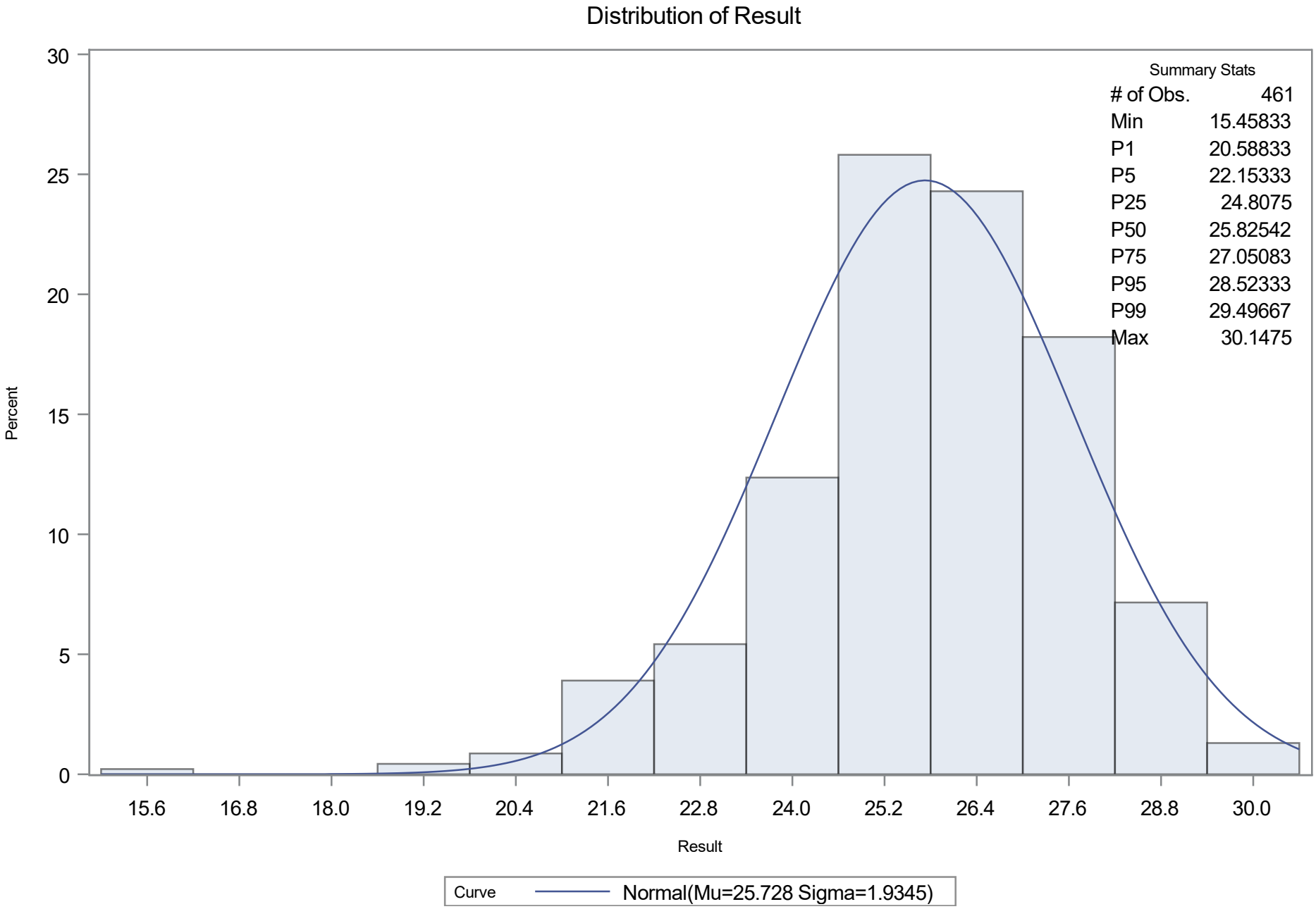

Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at EPC Station EPC 2 CR Rkm 13.7
Result
30
25
20
15
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at SWFWMD Station District CR 19206
30
25
20
15
Result
Jan
2020
May
Sep
Jan
2021
May
Sep
Jan
2022
May
Sep
Jan
2023
May
Sep
Jan
2024
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at SWFWMD Station District CR 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at SWFWMD Station District CR 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.72763
Std Dev	Sigma	1.934481

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06770446	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37251076	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.30513322	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.5883	21.2274
5.0	22.1533	22.5457
10.0	23.3304	23.2485
25.0	24.8075	24.4228
50.0	25.8254	25.7276
75.0	27.0508	27.0324
90.0	28.0496	28.2068
95.0	28.5233	28.9096
99.0	29.4967	30.2279

Period of Record: January 1996 through December 2023
Analysis Days Only

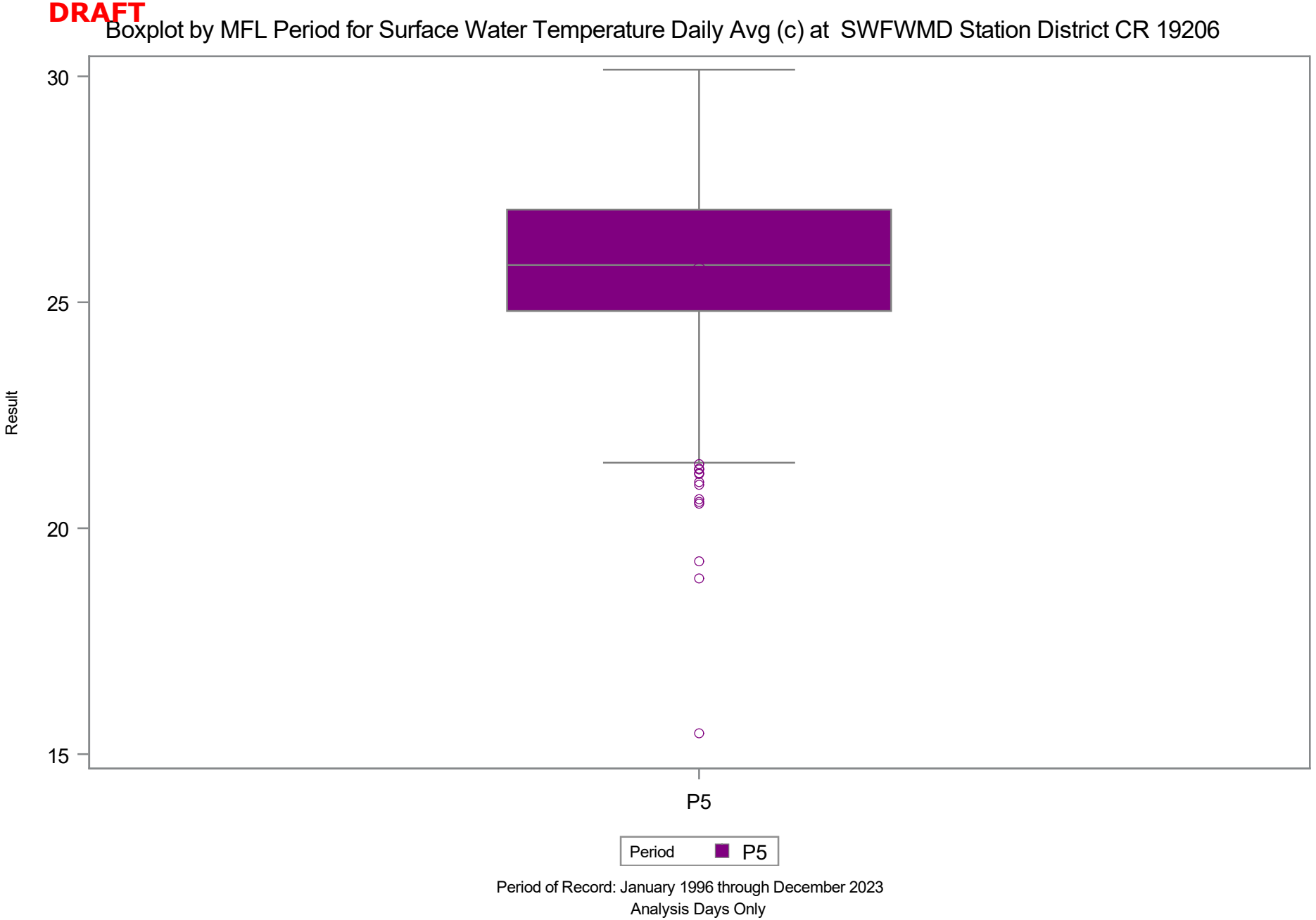
DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at SWFWMD Station District CR 19206

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	461	15.46	24.81	25.73	25.83	27.05	30.15

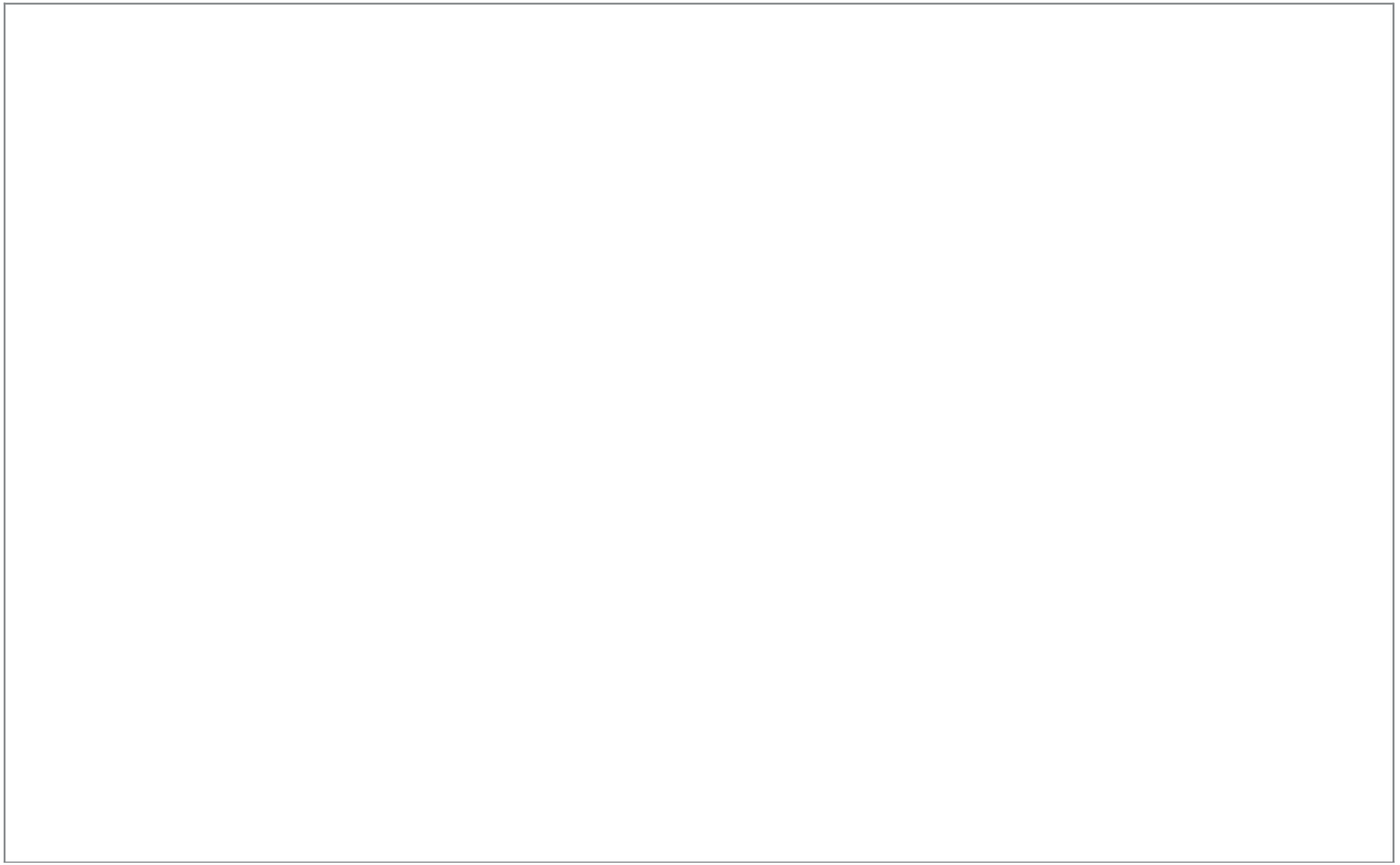
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at SWFWMD Station District CR 19206
30
25
20
15
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Surface Water Temperature Daily Avg (c) at SWFWMD Station Hills. River Dam CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

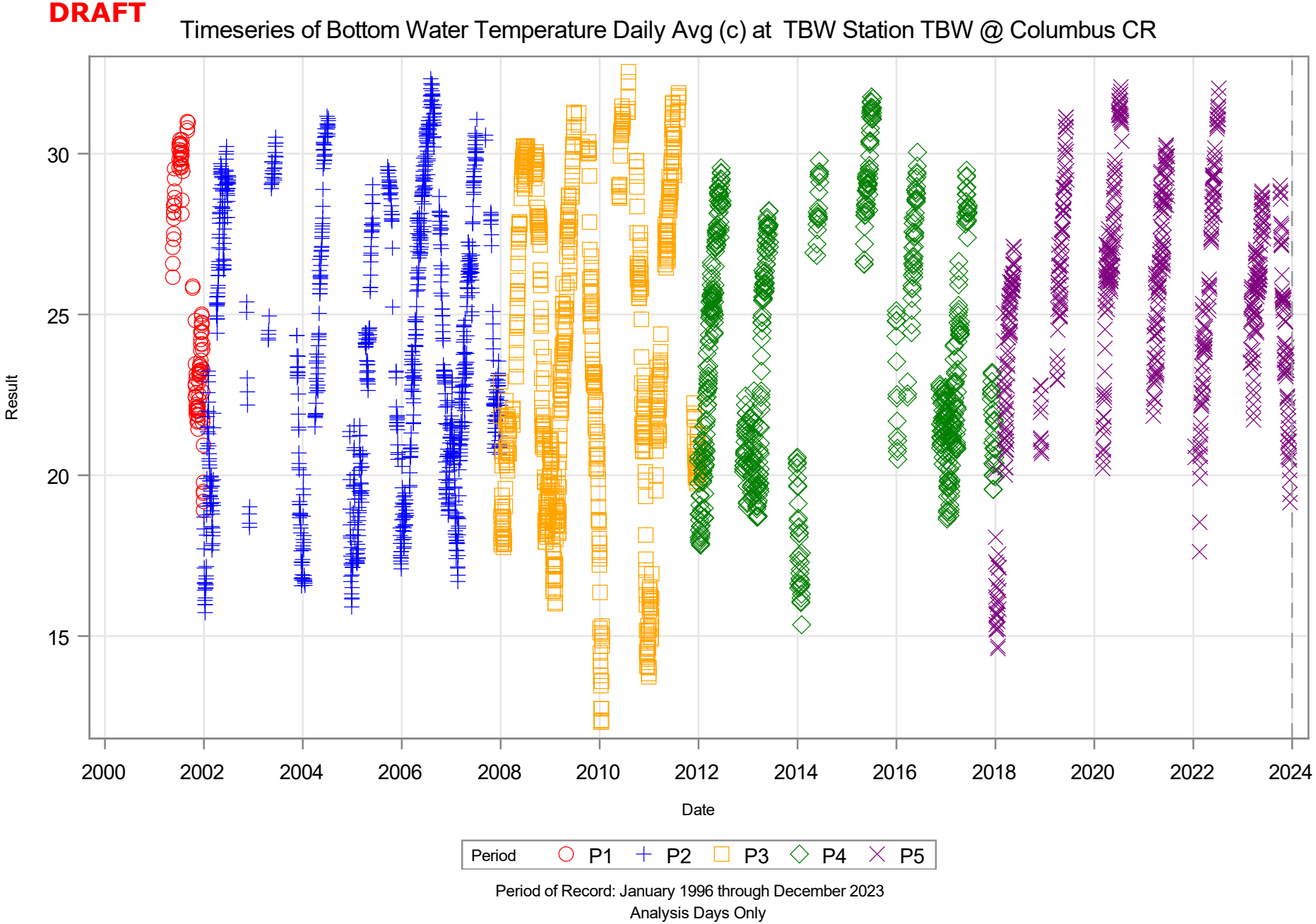
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at SWFWMD Station Hills. River Dam CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	0	0	0	0	0	0	0
P3	0	0	0	0	0	0	0
P4	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0

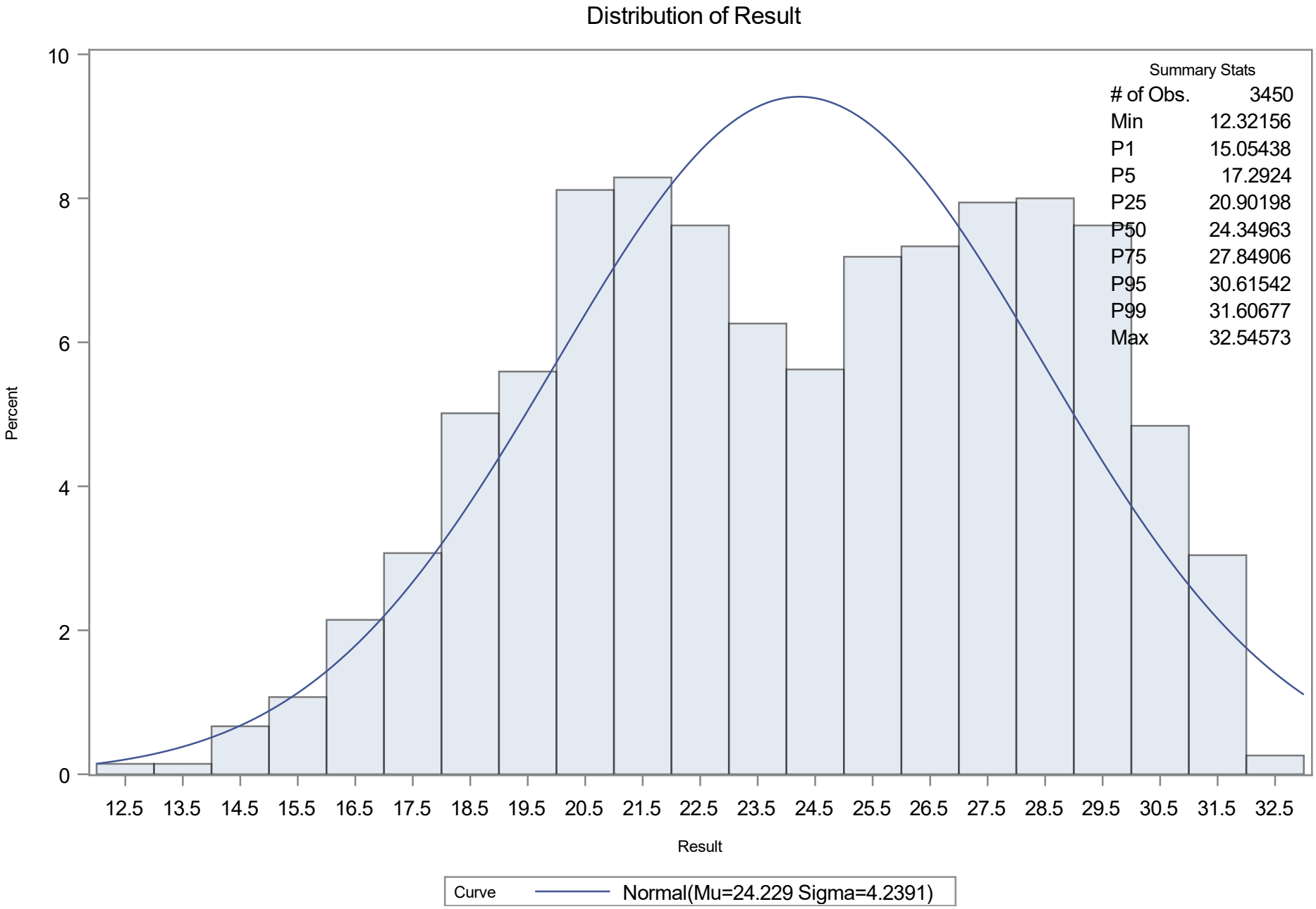
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR
Result
30
25
20
15
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.2288
Std Dev	Sigma	4.239106

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0639964	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.3414950	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	26.1334141	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0544	14.3672
5.0	17.2924	17.2561
10.0	18.6102	18.7962
25.0	20.9020	21.3696
50.0	24.3496	24.2288
75.0	27.8491	27.0880
90.0	29.7513	29.6614
95.0	30.6154	31.2015
99.0	31.6068	34.0904

Period of Record: January 1996 through December 2023
Analysis Days Only

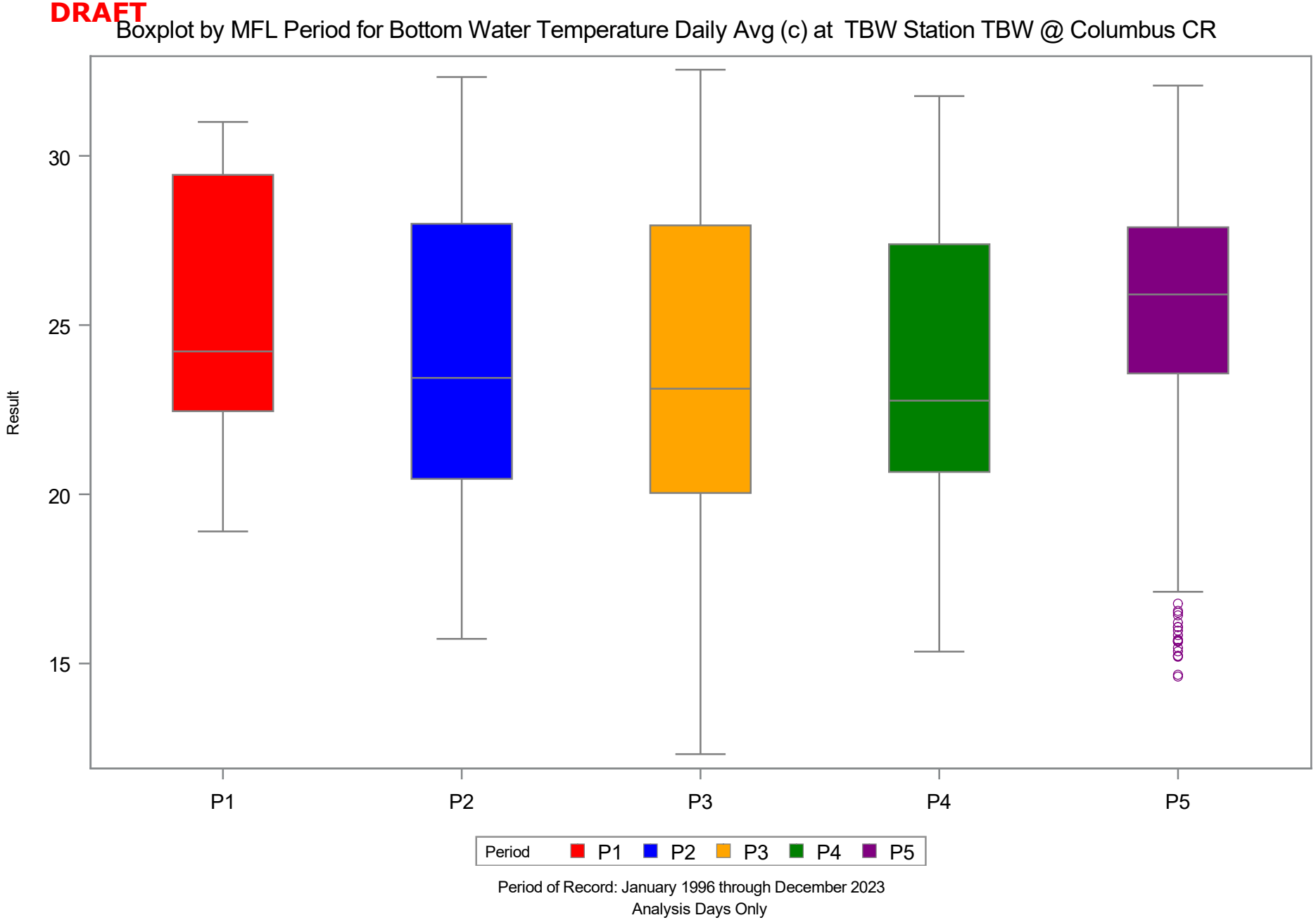
DRAFT

Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR

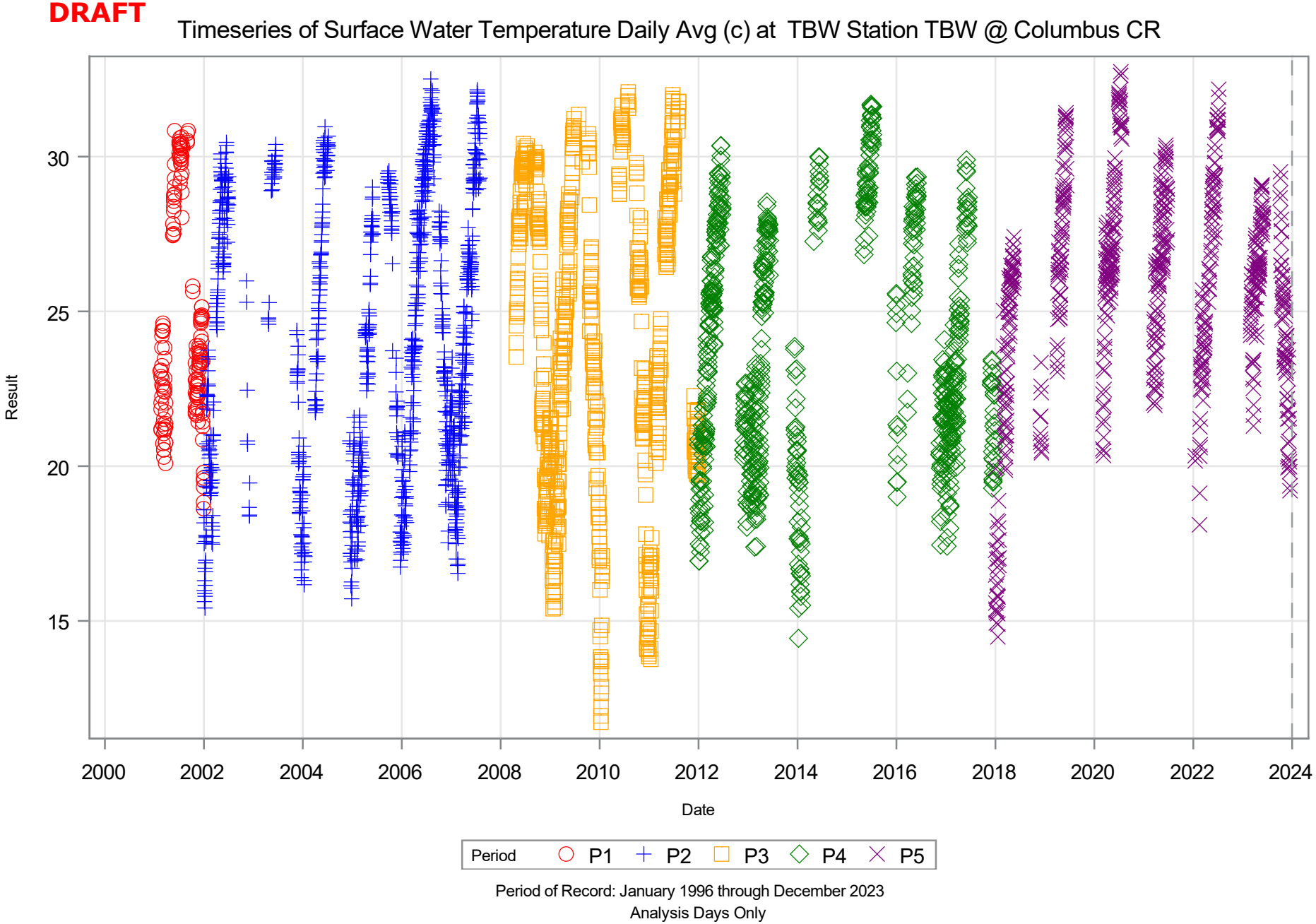
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	111	18.90	22.46	25.39	24.22	29.44	31.00
P2	1110	15.73	20.46	24.00	23.44	27.99	32.33
P3	817	12.32	20.04	23.65	23.12	27.95	32.55
P4	721	15.35	20.66	23.76	22.77	27.39	31.77
P5	691	14.61	23.57	25.58	25.90	27.89	32.08

Period of Record: January 1996 through December 2023
Analysis Days Only

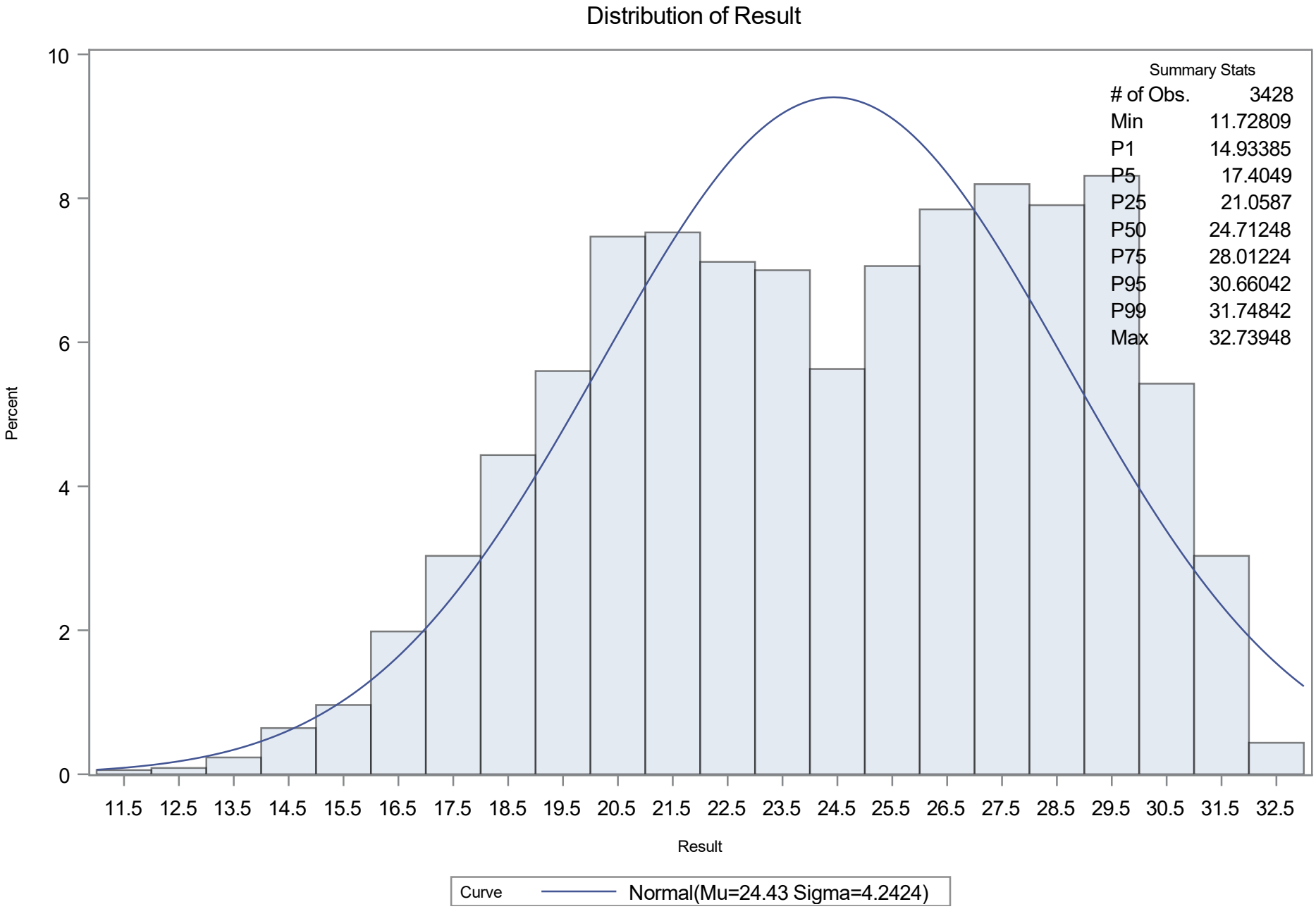
DRAFT


Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR
Result
30
25
20
15
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.42996
Std Dev	Sigma	4.242406

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0658071	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.2481167	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	25.9871875	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.9339	14.5606
5.0	17.4049	17.4518
10.0	18.6576	18.9931
25.0	21.0587	21.5685
50.0	24.7125	24.4300
75.0	28.0122	27.2914
90.0	29.8702	29.8668
95.0	30.6604	31.4081
99.0	31.7484	34.2993

Period of Record: January 1996 through December 2023
Analysis Days Only

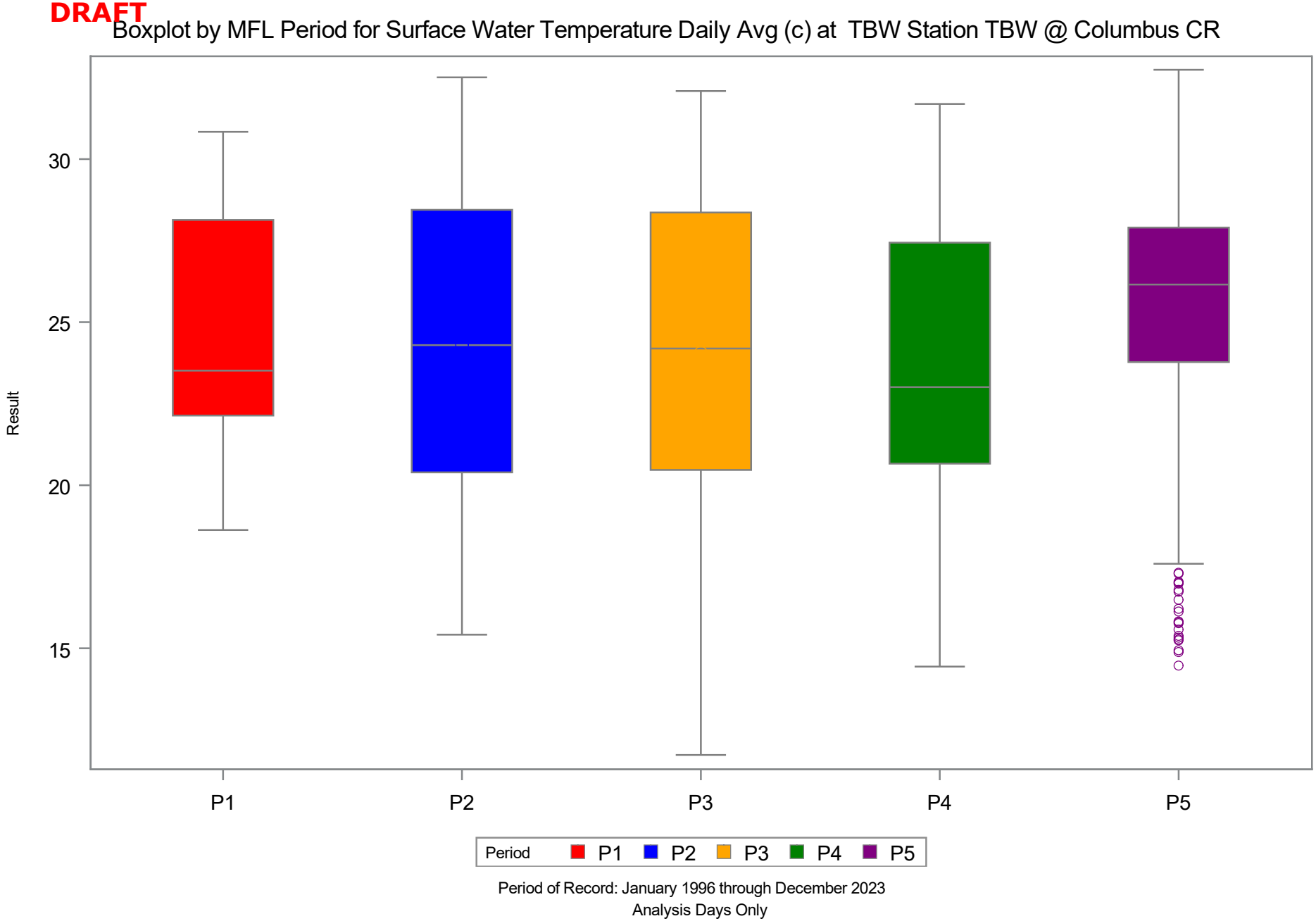
DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR

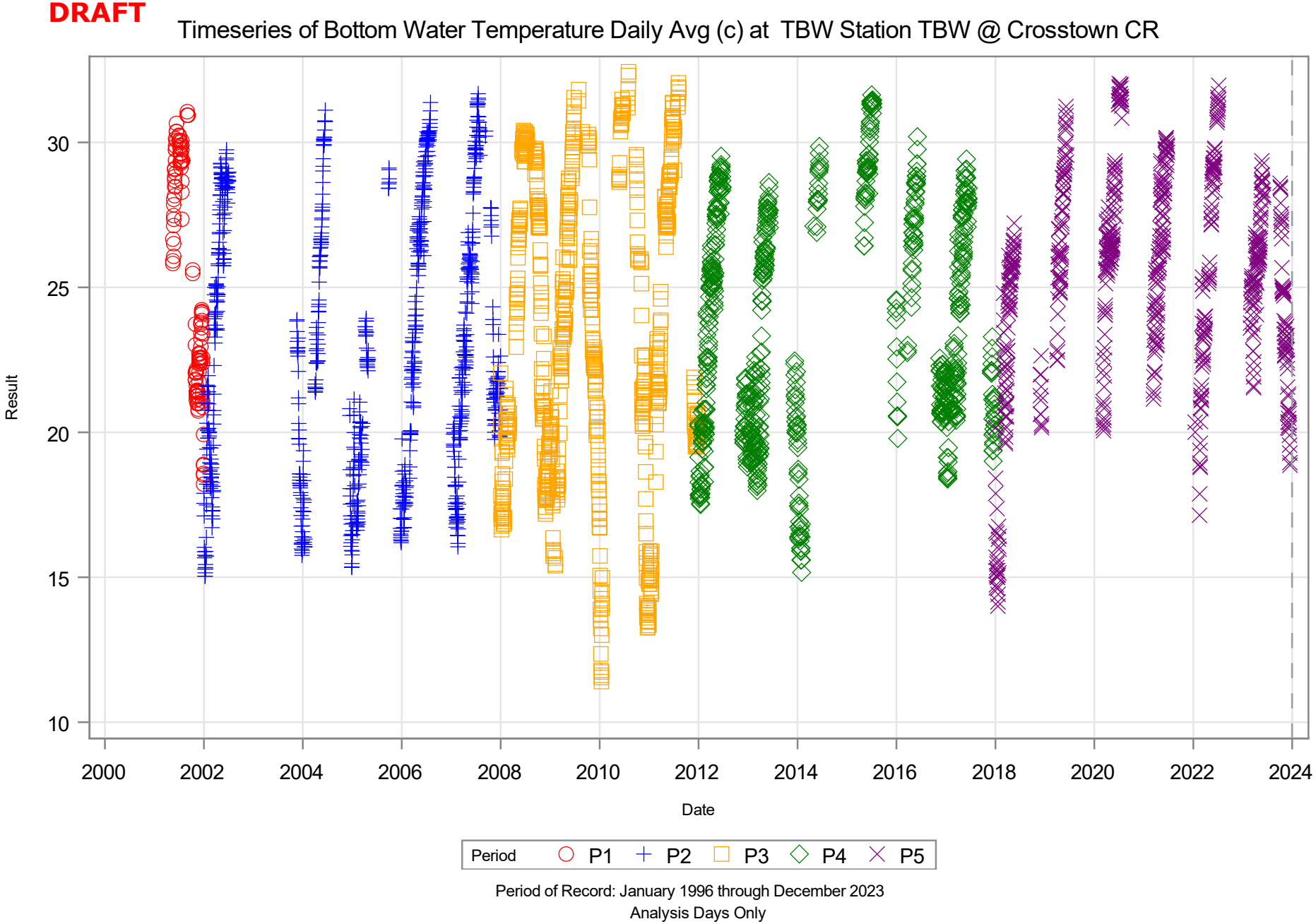
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	152	18.63	22.14	24.63	23.51	28.14	30.84
P2	1066	15.42	20.39	24.31	24.30	28.44	32.51
P3	767	11.73	20.47	24.05	24.19	28.36	32.09
P4	747	14.44	20.66	23.75	23.01	27.44	31.69
P5	696	14.48	23.78	25.72	26.15	27.90	32.74

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

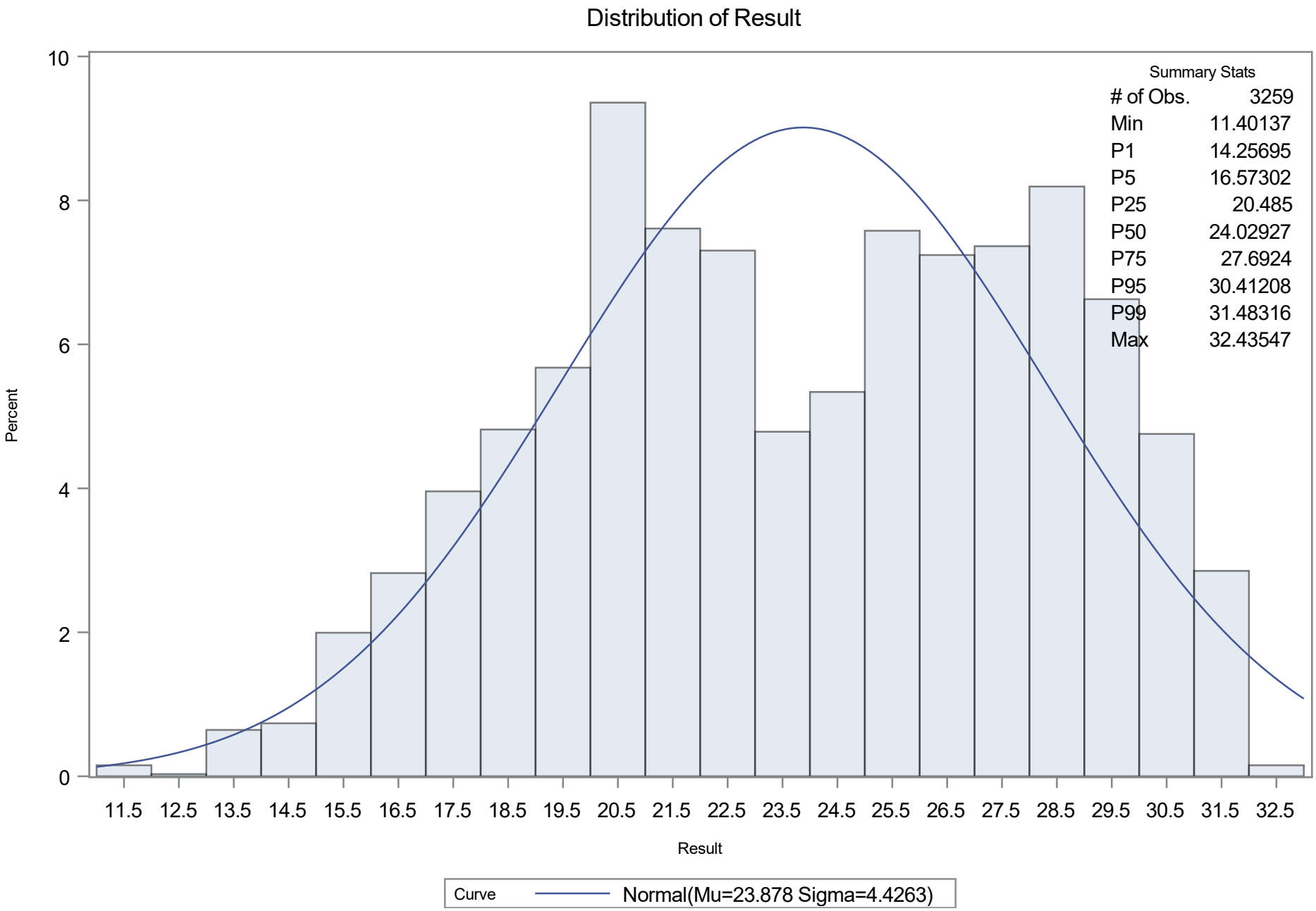

Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Columbus CR
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR
Result
30
25
20
15
10
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.87801
Std Dev	Sigma	4.426282

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0602632	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.3715685	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	25.9704744	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.2569	13.5809
5.0	16.5730	16.5974
10.0	17.8906	18.2055
25.0	20.4850	20.8925
50.0	24.0293	23.8780
75.0	27.6924	26.8635
90.0	29.6218	29.5505
95.0	30.4121	31.1586
99.0	31.4832	34.1751

Period of Record: January 1996 through December 2023
Analysis Days Only

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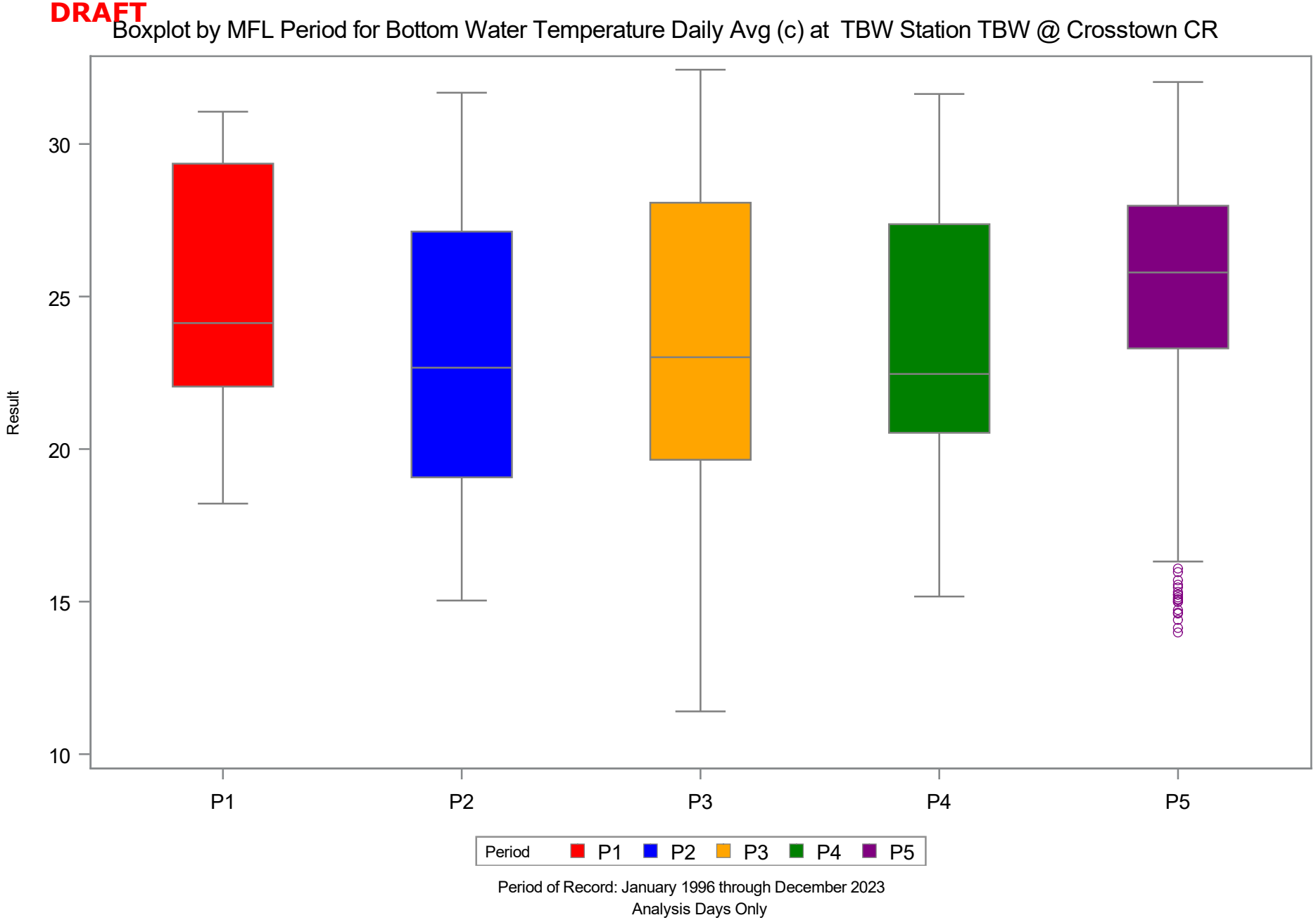
Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR

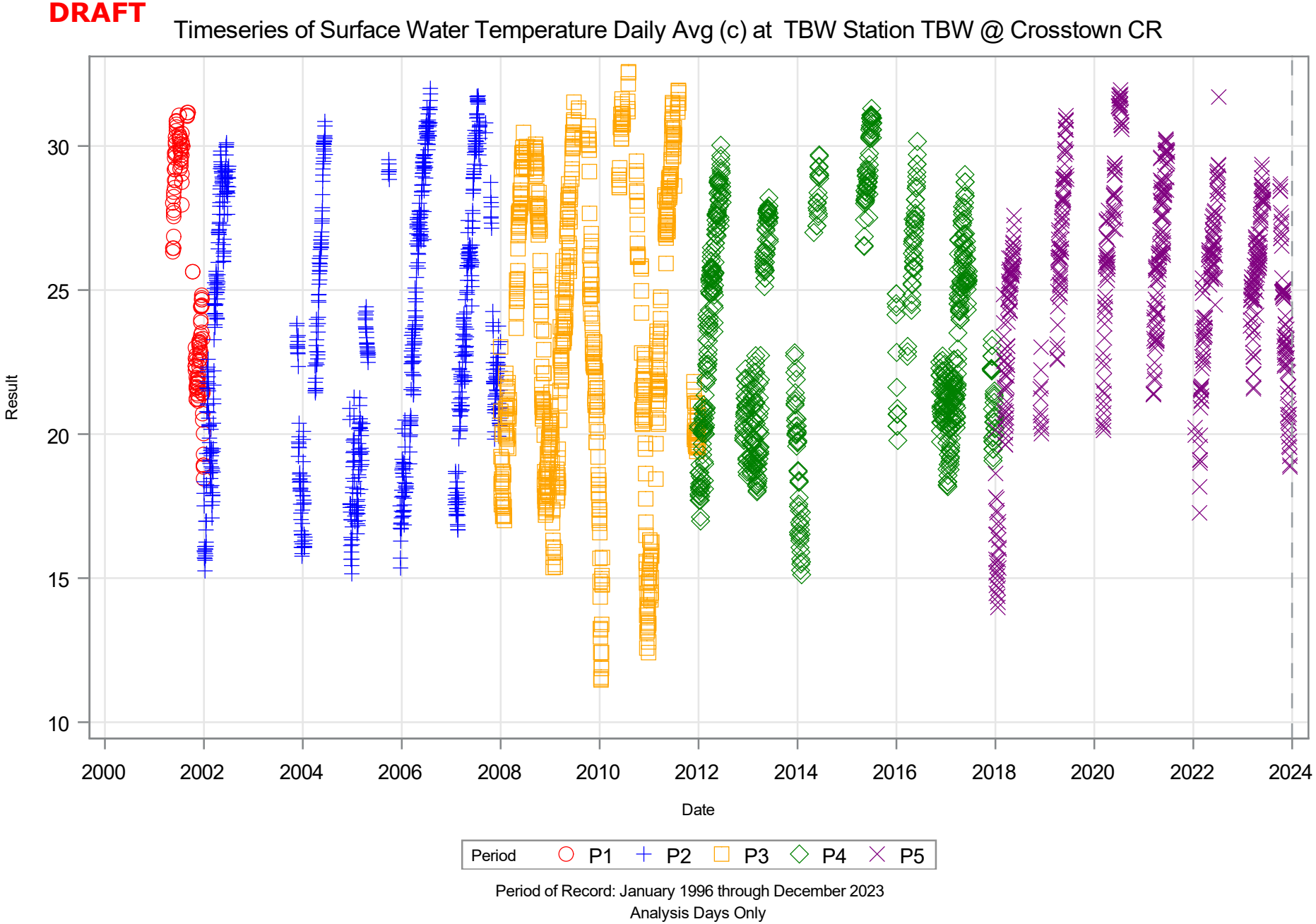
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	123	18.21	22.05	25.28	24.13	29.36	31.06
P2	896	15.04	19.07	23.12	22.67	27.13	31.68
P3	764	11.40	19.65	23.46	23.01	28.08	32.44
P4	783	15.17	20.53	23.60	22.46	27.37	31.64
P5	693	14.00	23.30	25.38	25.79	27.98	32.03

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

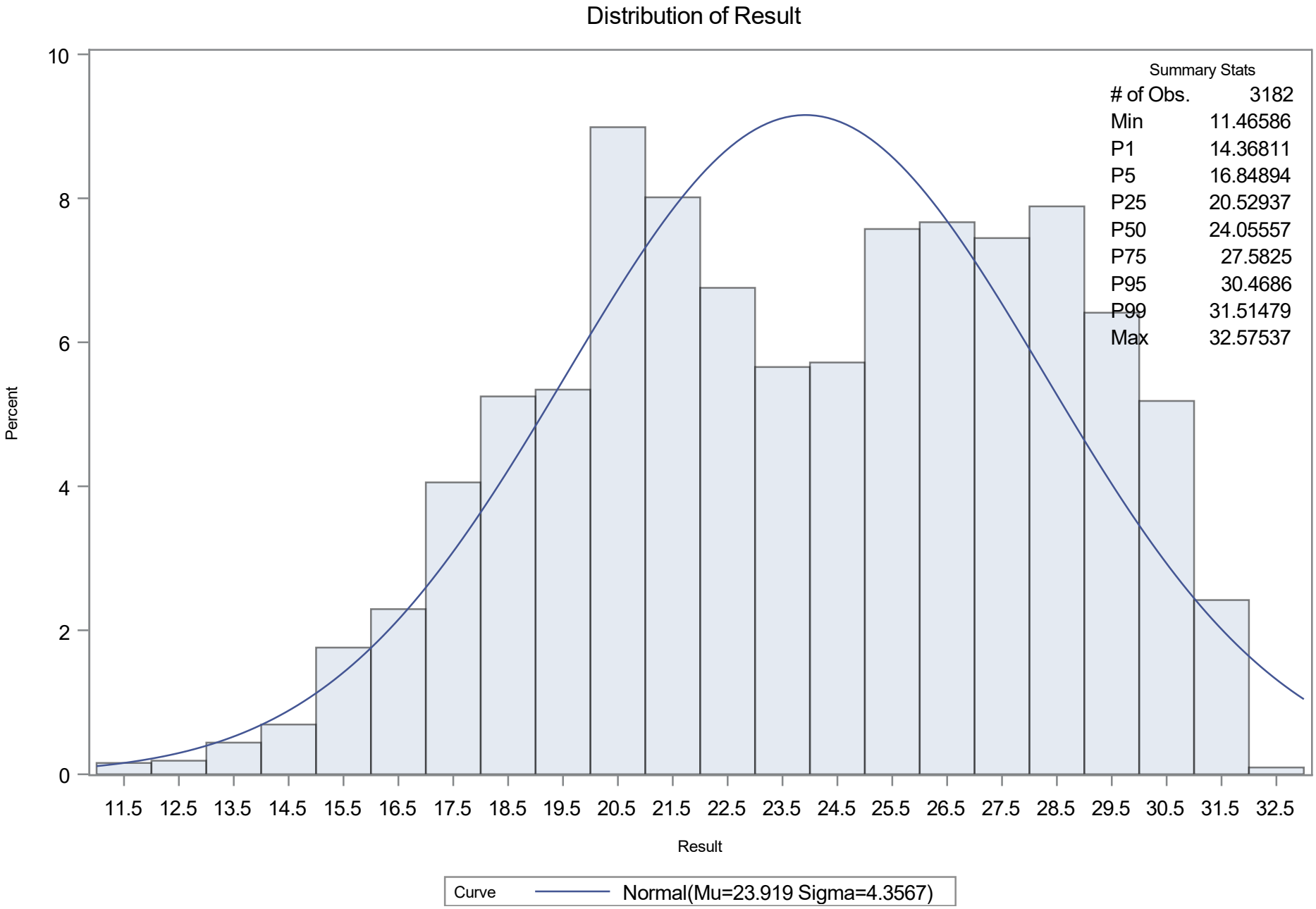

Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR
Result
30
25
20
15
10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR
Result
30
25
20
15
10
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	23.91916
Std Dev	Sigma	4.356722

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0563569	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.6815005	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	22.0698919	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.3681	13.7839
5.0	16.8489	16.7530
10.0	18.1201	18.3358
25.0	20.5294	20.9806
50.0	24.0556	23.9192
75.0	27.5825	26.8577
90.0	29.6477	29.5025
95.0	30.4686	31.0853
99.0	31.5148	34.0544

Period of Record: January 1996 through December 2023
Analysis Days Only

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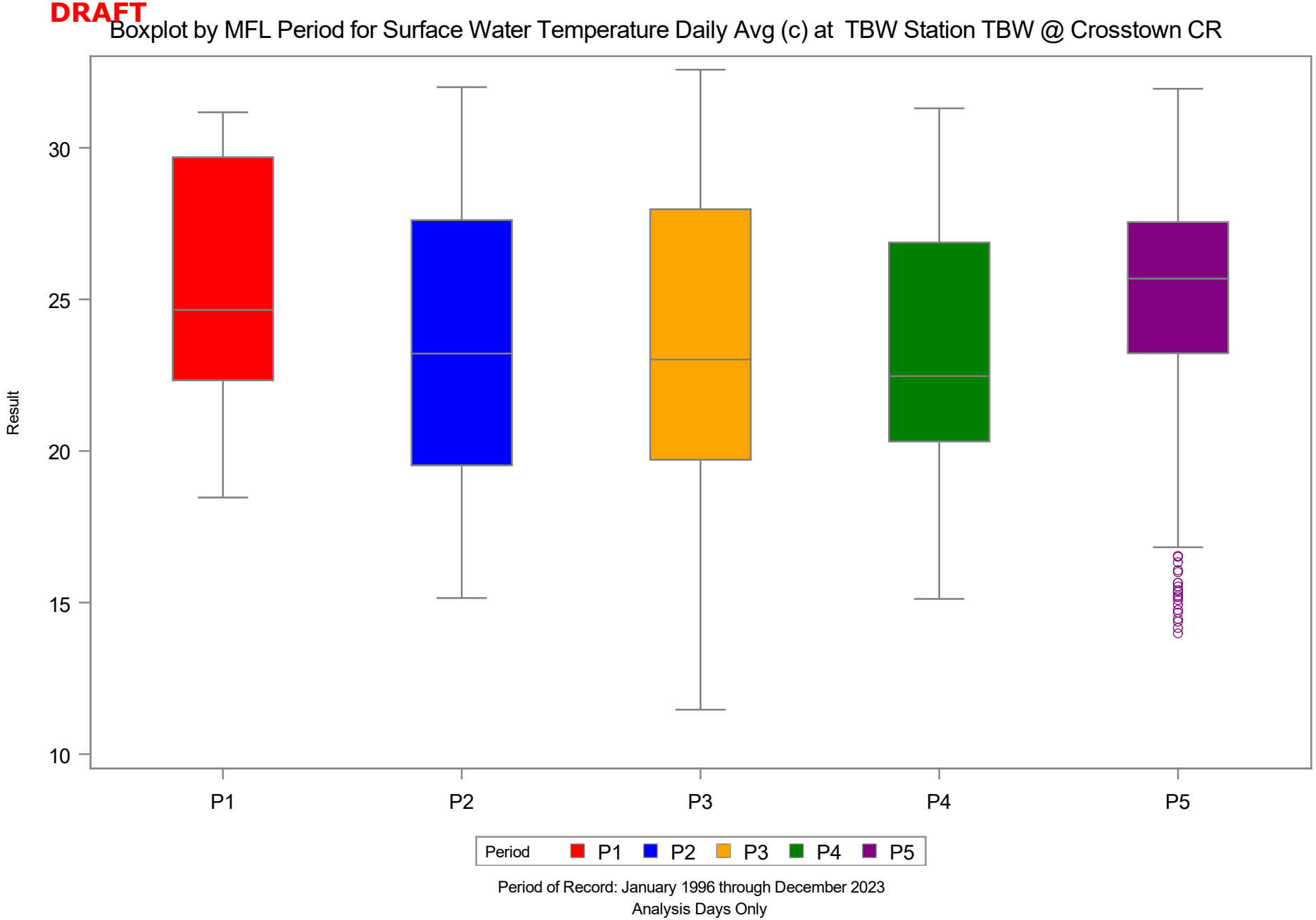
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR

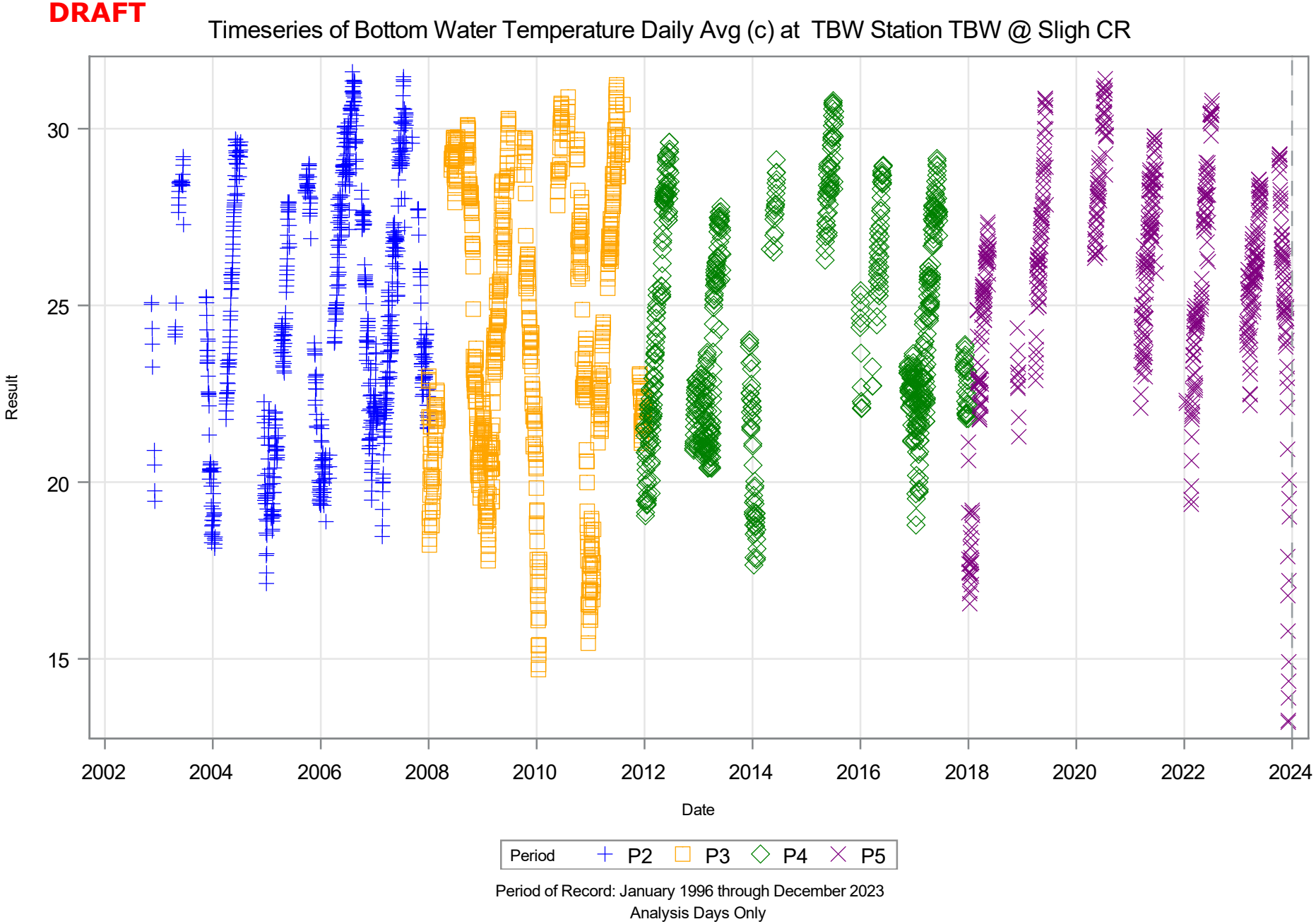
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	123	18.46	22.33	25.60	24.65	29.69	31.17
P2	882	15.15	19.53	23.56	23.21	27.61	32.00
P3	752	11.47	19.71	23.41	23.02	27.97	32.58
P4	762	15.12	20.31	23.44	22.47	26.88	31.30
P5	663	13.98	23.22	25.21	25.68	27.55	31.95

Period of Record: January 1996 through December 2023
Analysis Days Only

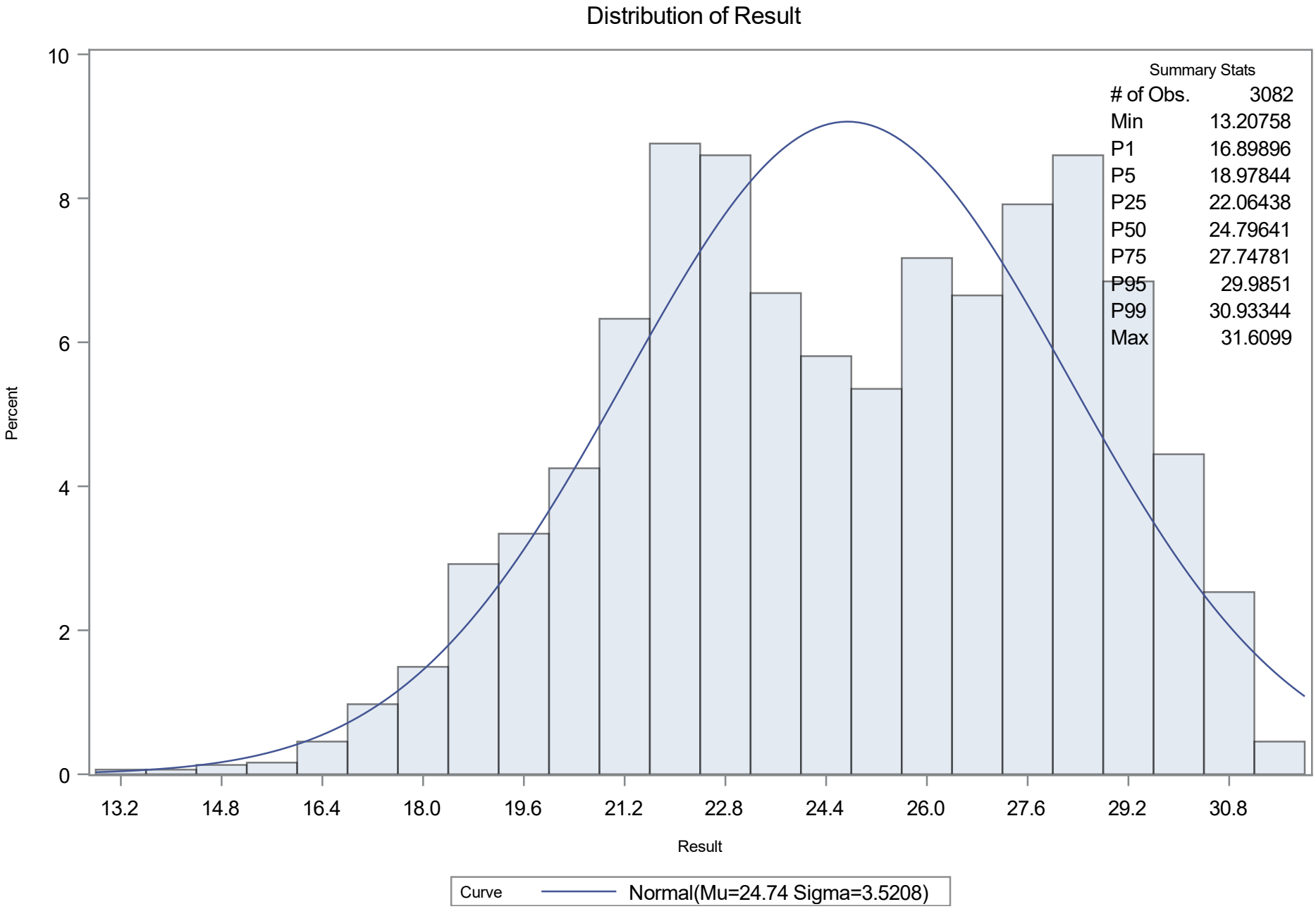
DRAFT


Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Crosstown CR
Result
30
25
20
15
10
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.74043
Std Dev	Sigma	3.520781

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0665048	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.7973058	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	22.4729061	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.8990	16.5499
5.0	18.9784	18.9493
10.0	20.0891	20.2284
25.0	22.0644	22.3657
50.0	24.7964	24.7404
75.0	27.7478	27.1152
90.0	29.2346	29.2525
95.0	29.9851	30.5316
99.0	30.9334	32.9310

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	909	17.13	21.88	24.82	24.42	28.02	31.61
P3	783	14.70	21.30	24.28	23.89	28.16	31.24
P4	759	17.66	21.93	24.30	23.43	27.28	30.79
P5	631	13.21	24.34	25.73	26.17	27.88	31.41

Period of Record: January 1996 through December 2023
Analysis Days Only

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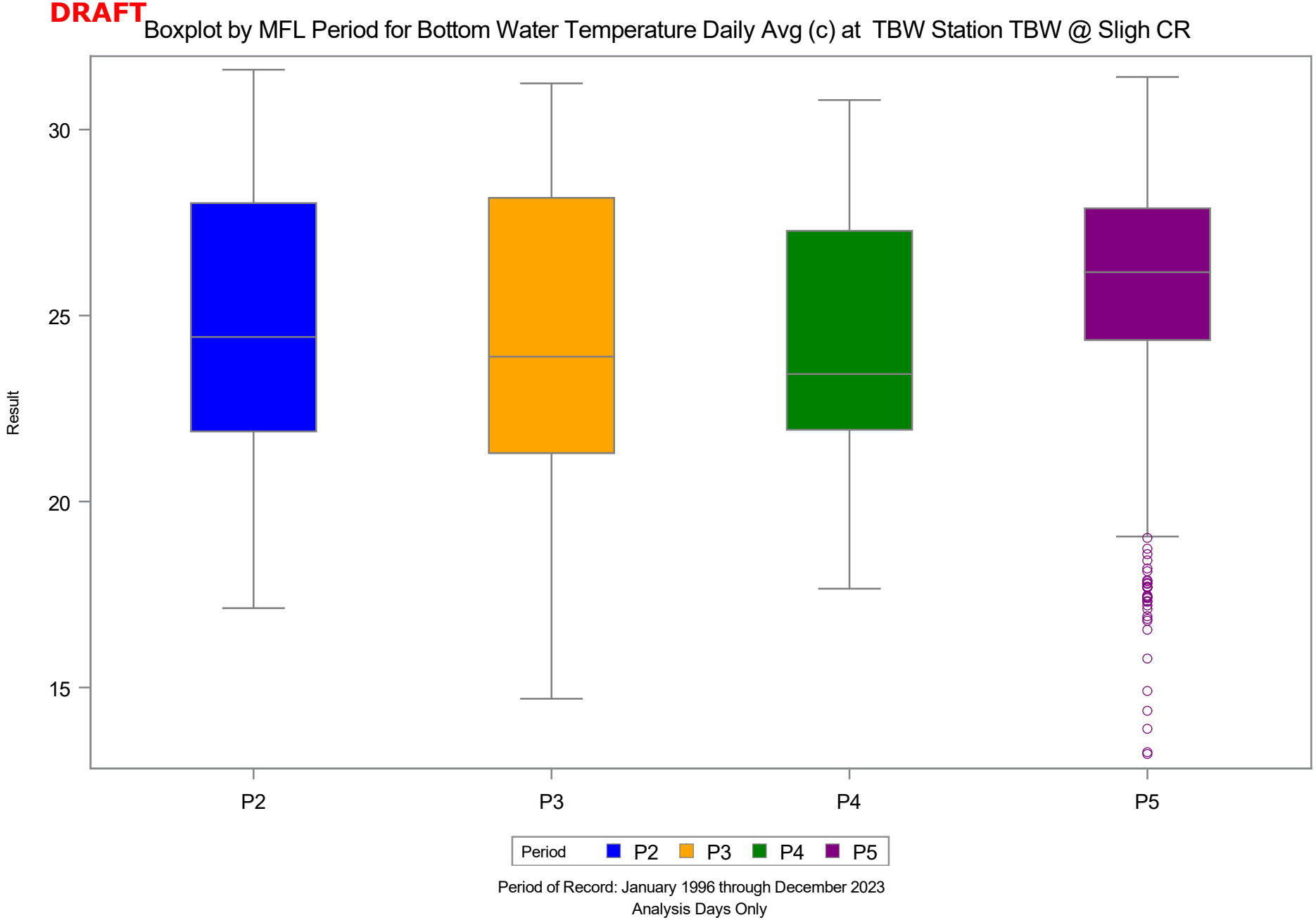
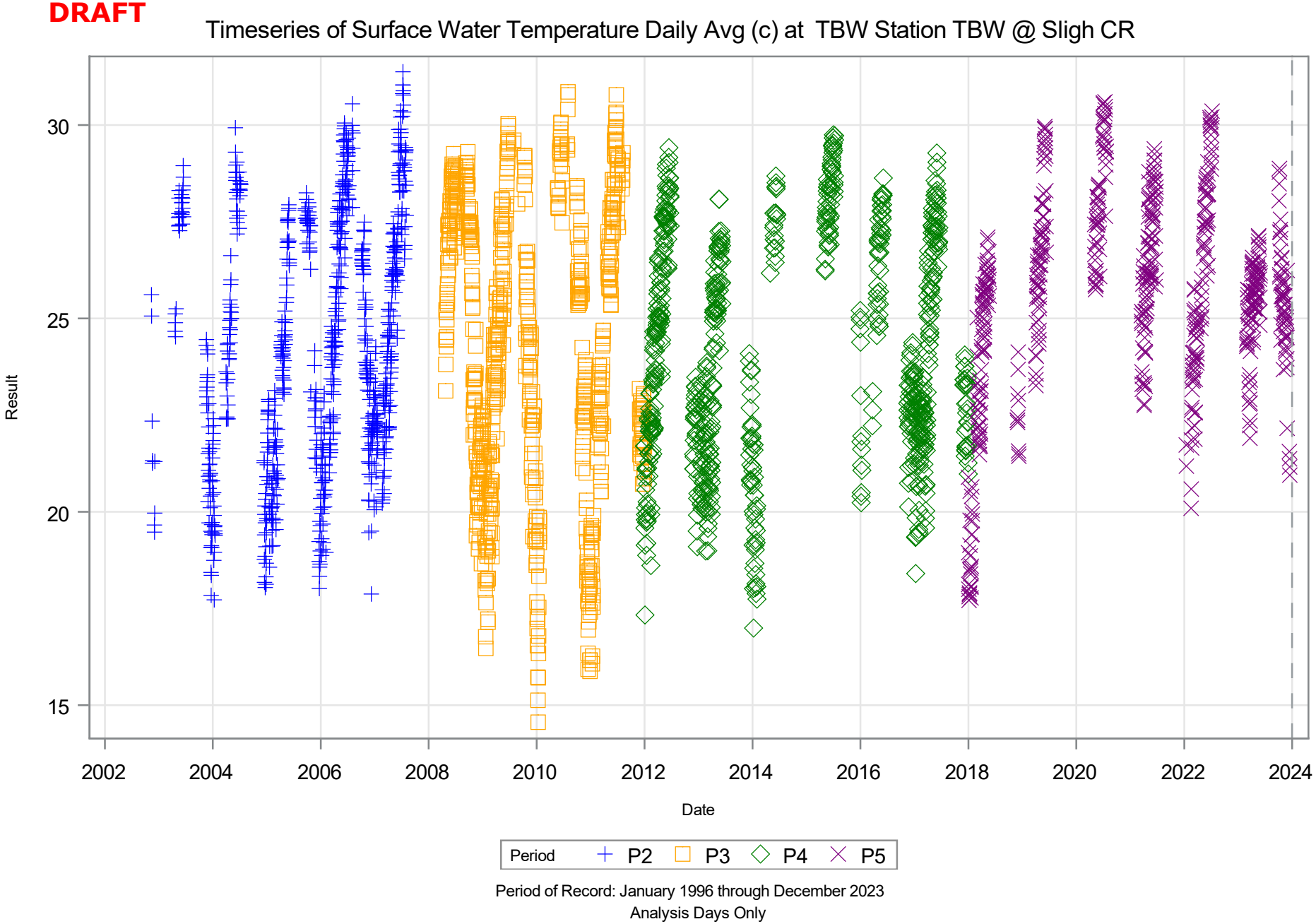
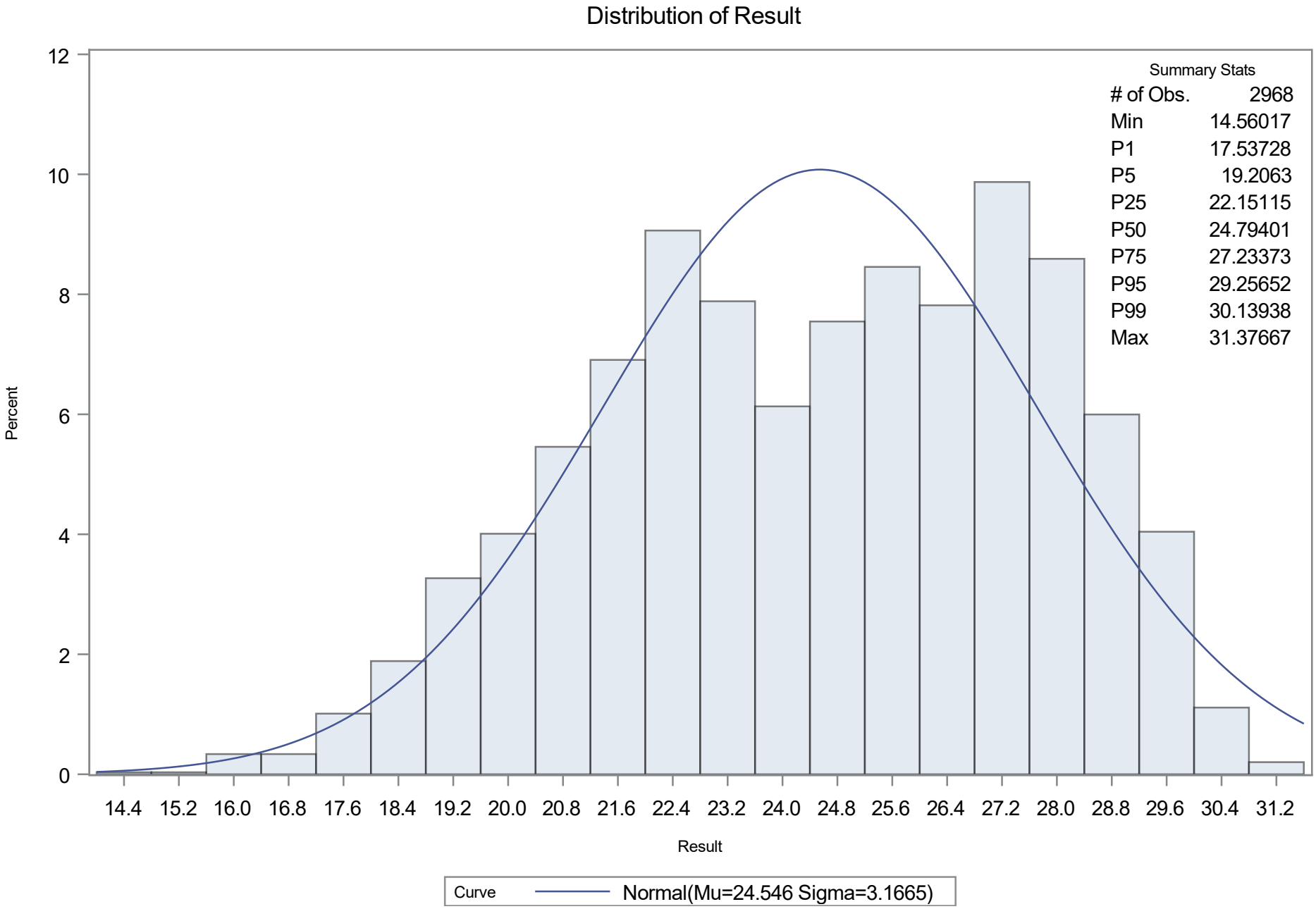

Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR
Result
30
25
20
15
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.54599
Std Dev	Sigma	3.166476

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0622132	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.1116362	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	18.7575827	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.5373	17.1797
5.0	19.2063	19.3376
10.0	20.1782	20.4880
25.0	22.1511	22.4102
50.0	24.7940	24.5460
75.0	27.2337	26.6817
90.0	28.5201	28.6040
95.0	29.2565	29.7544
99.0	30.1394	31.9123

Period of Record: January 1996 through December 2023
Analysis Days Only

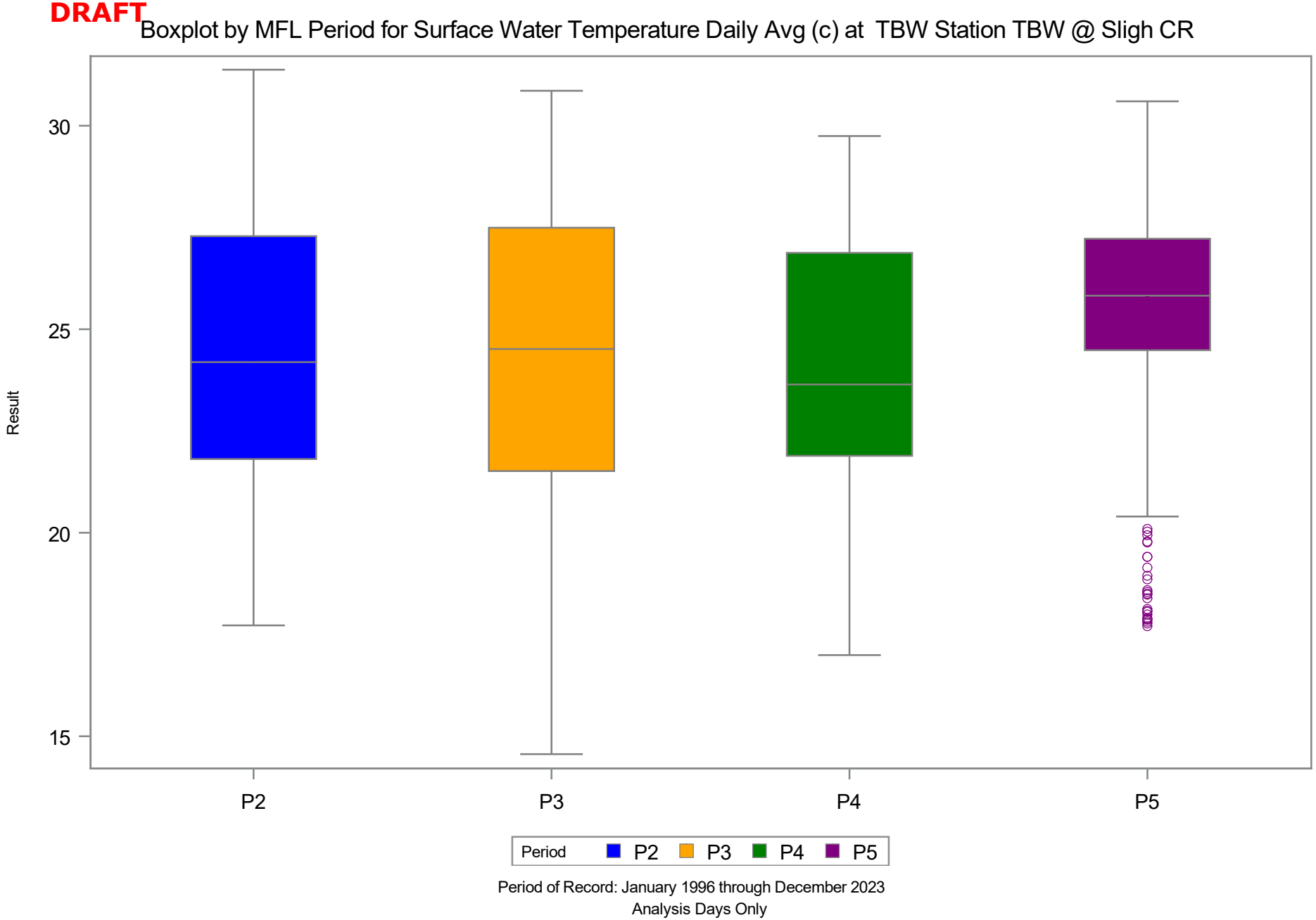
DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR

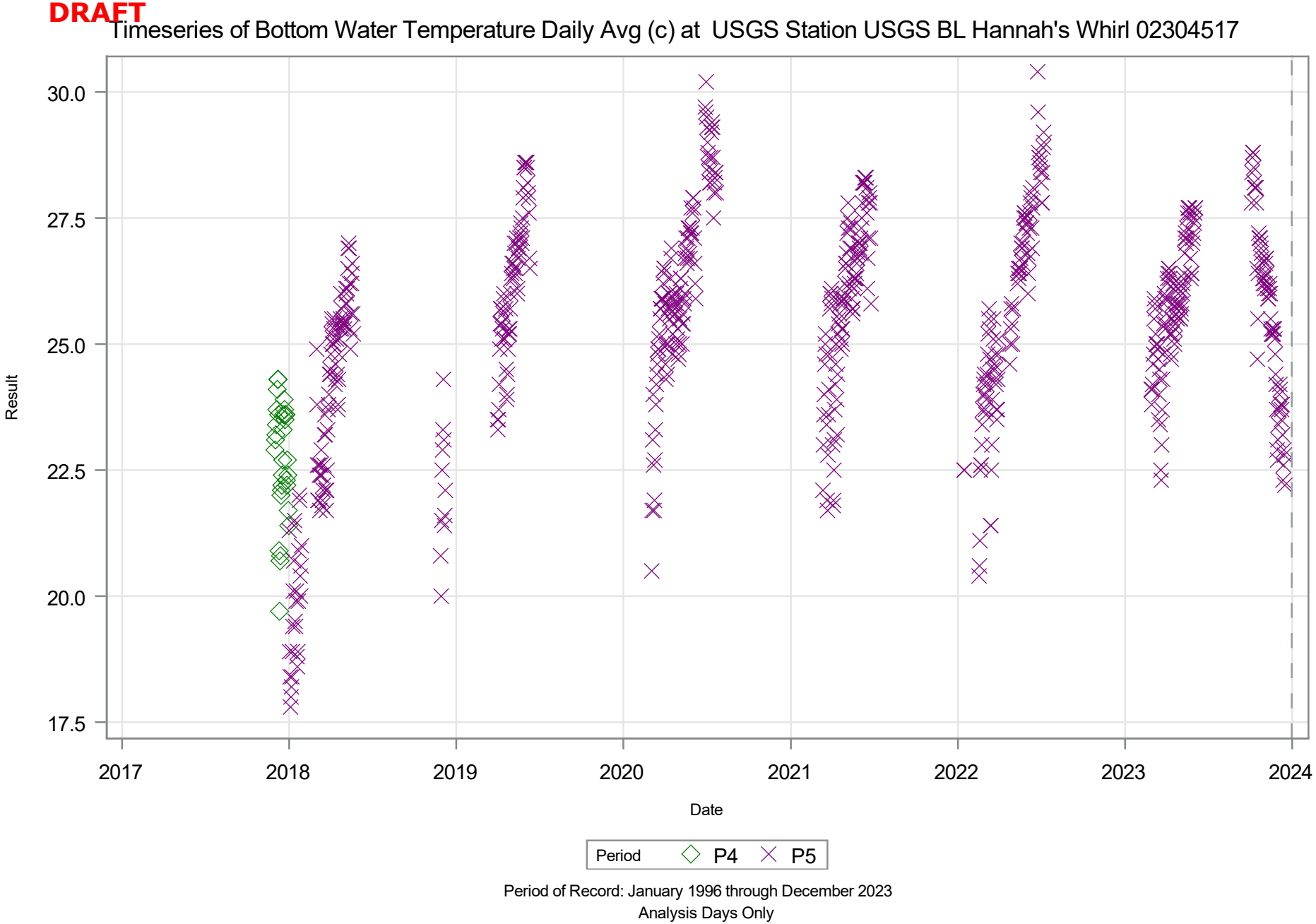
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	803	17.72	21.81	24.38	24.19	27.29	31.38
P3	769	14.56	21.52	24.27	24.52	27.49	30.86
P4	785	16.99	21.89	24.13	23.64	26.88	29.75
P5	611	17.71	24.48	25.64	25.82	27.22	30.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

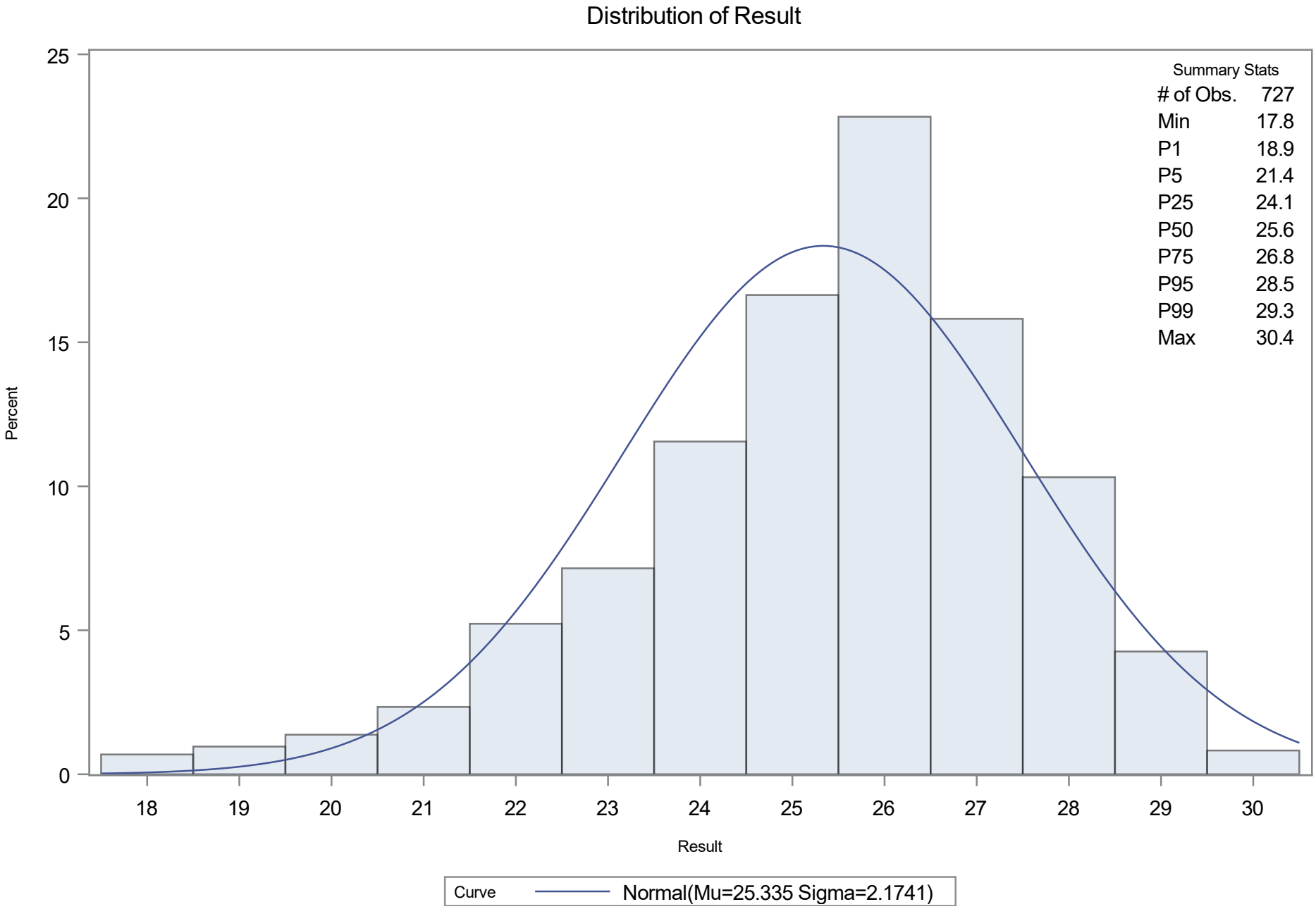

Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at TBW Station TBW @ Sligh CR
Result
30
25
20
15
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517
Result
30.0
27.5
25.0
22.5
20.0
17.5
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.33508
Std Dev	Sigma	2.174063

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08937490	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.07563367	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.08310581	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.9000	20.2774
5.0	21.4000	21.7591
10.0	22.4000	22.5489
25.0	24.1000	23.8687
50.0	25.6000	25.3351
75.0	26.8000	26.8015
90.0	27.9000	28.1212
95.0	28.5000	28.9111
99.0	29.3000	30.3927

Period of Record: January 1996 through December 2023
Analysis Days Only

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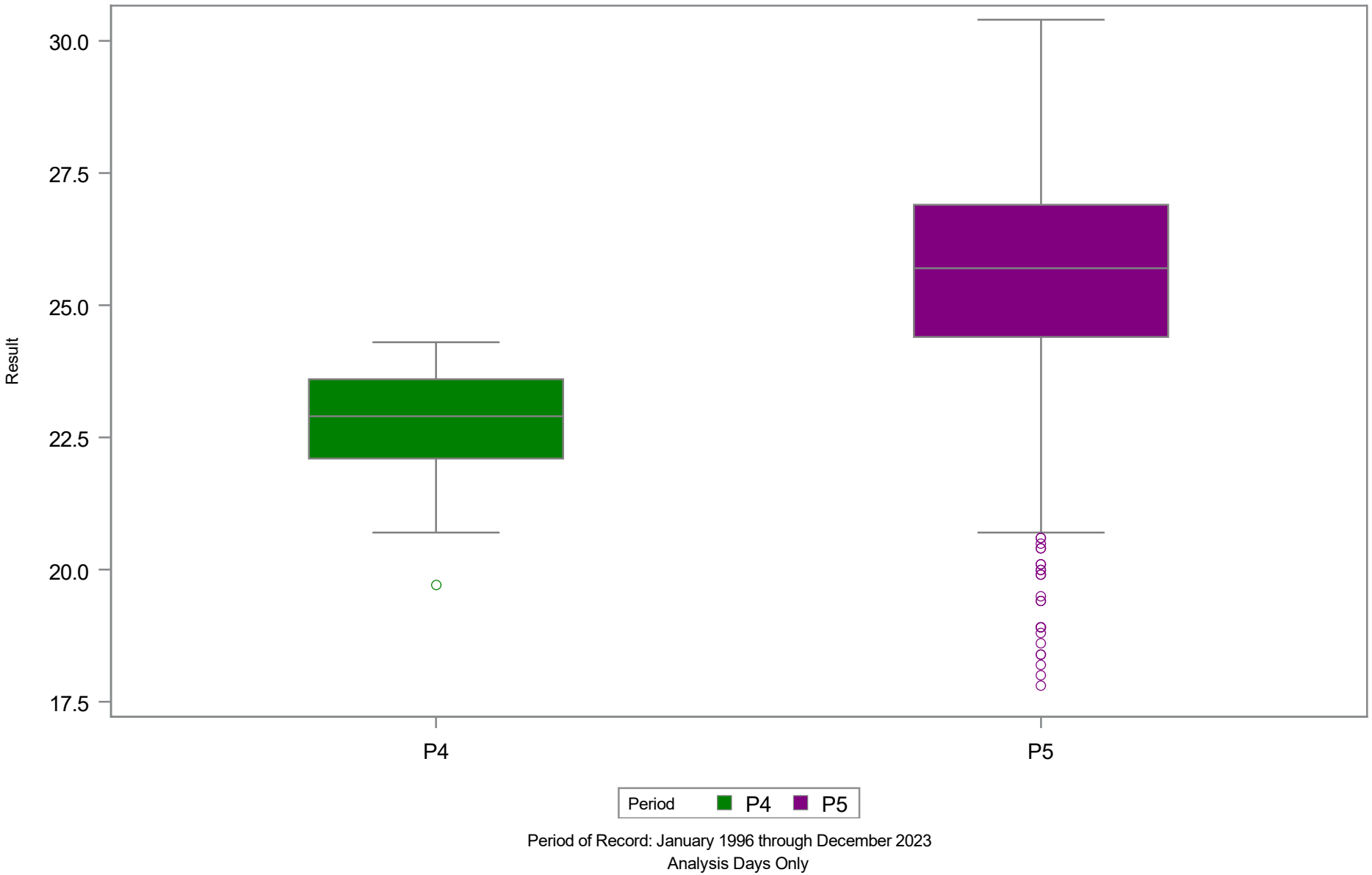
Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	19.70	22.10	22.71	22.90	23.60	24.30
P5	696	17.80	24.40	25.45	25.70	26.90	30.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

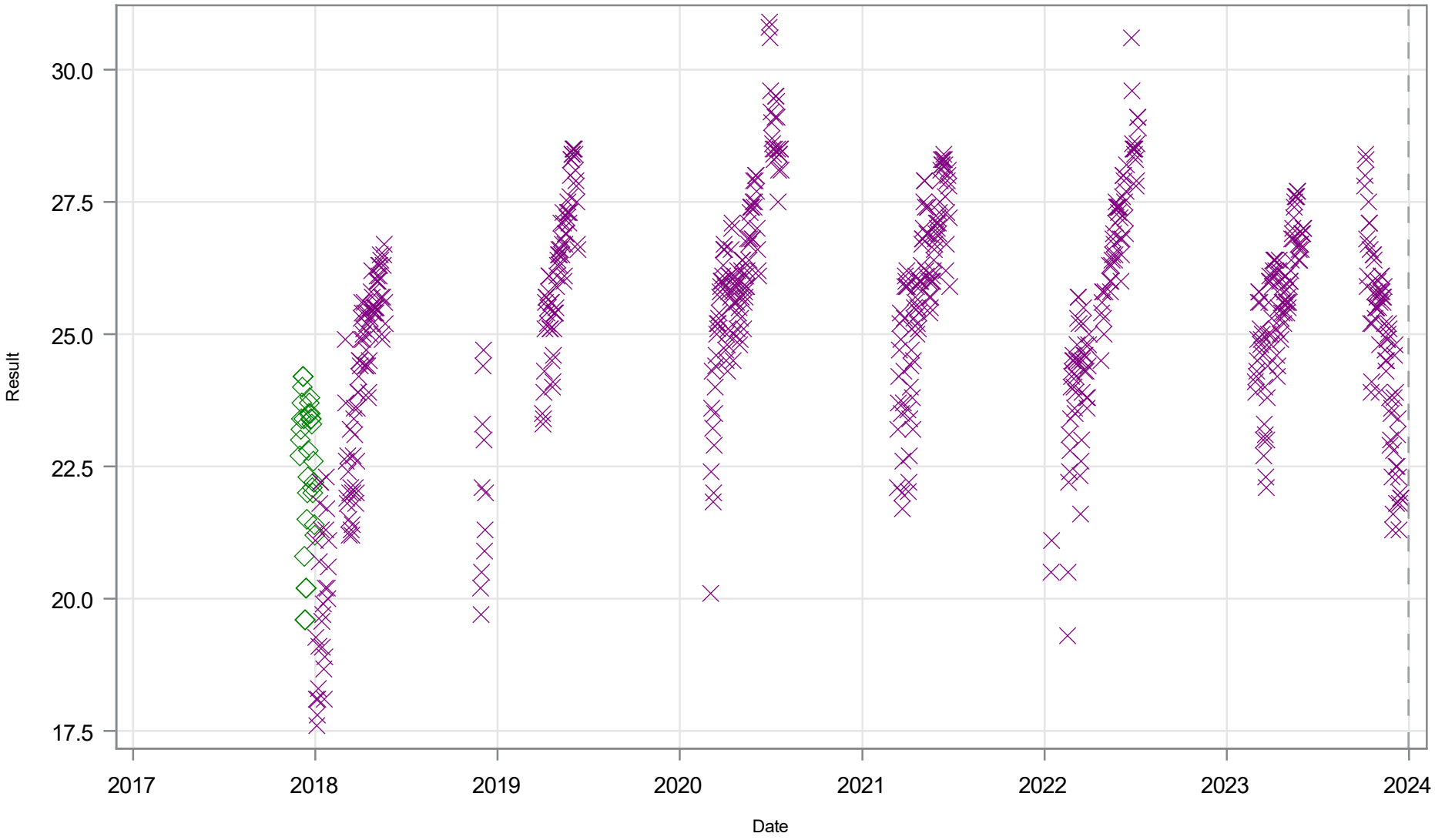
Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

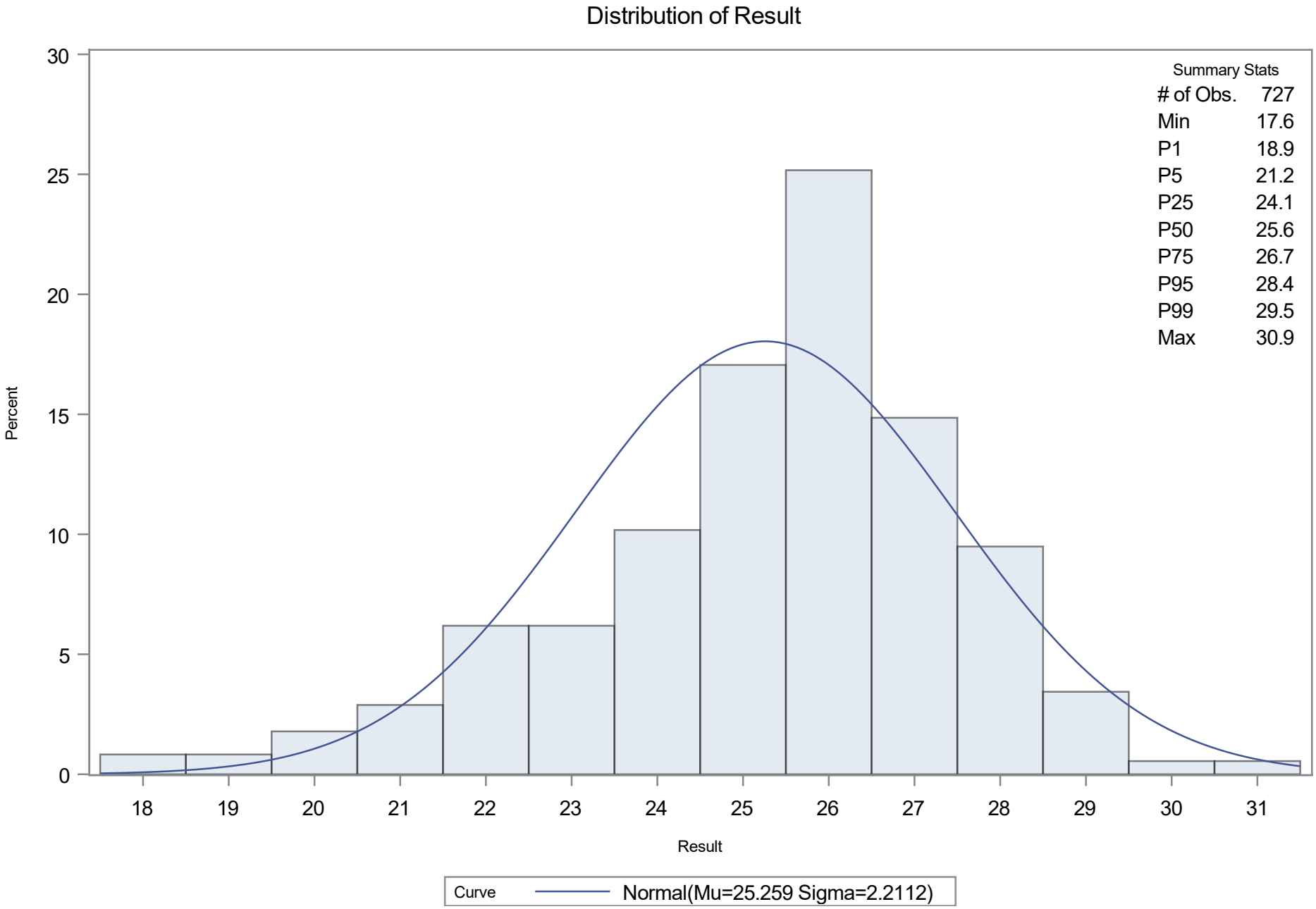
Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.25896
Std Dev	Sigma	2.211211

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09437656	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.37895868	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.55000236	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.9000	20.1149
5.0	21.2000	21.6218
10.0	22.1000	22.4252
25.0	24.1000	23.7675
50.0	25.6000	25.2590
75.0	26.7000	26.7504
90.0	27.9000	28.0927
95.0	28.4000	28.8961
99.0	29.5000	30.4030

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

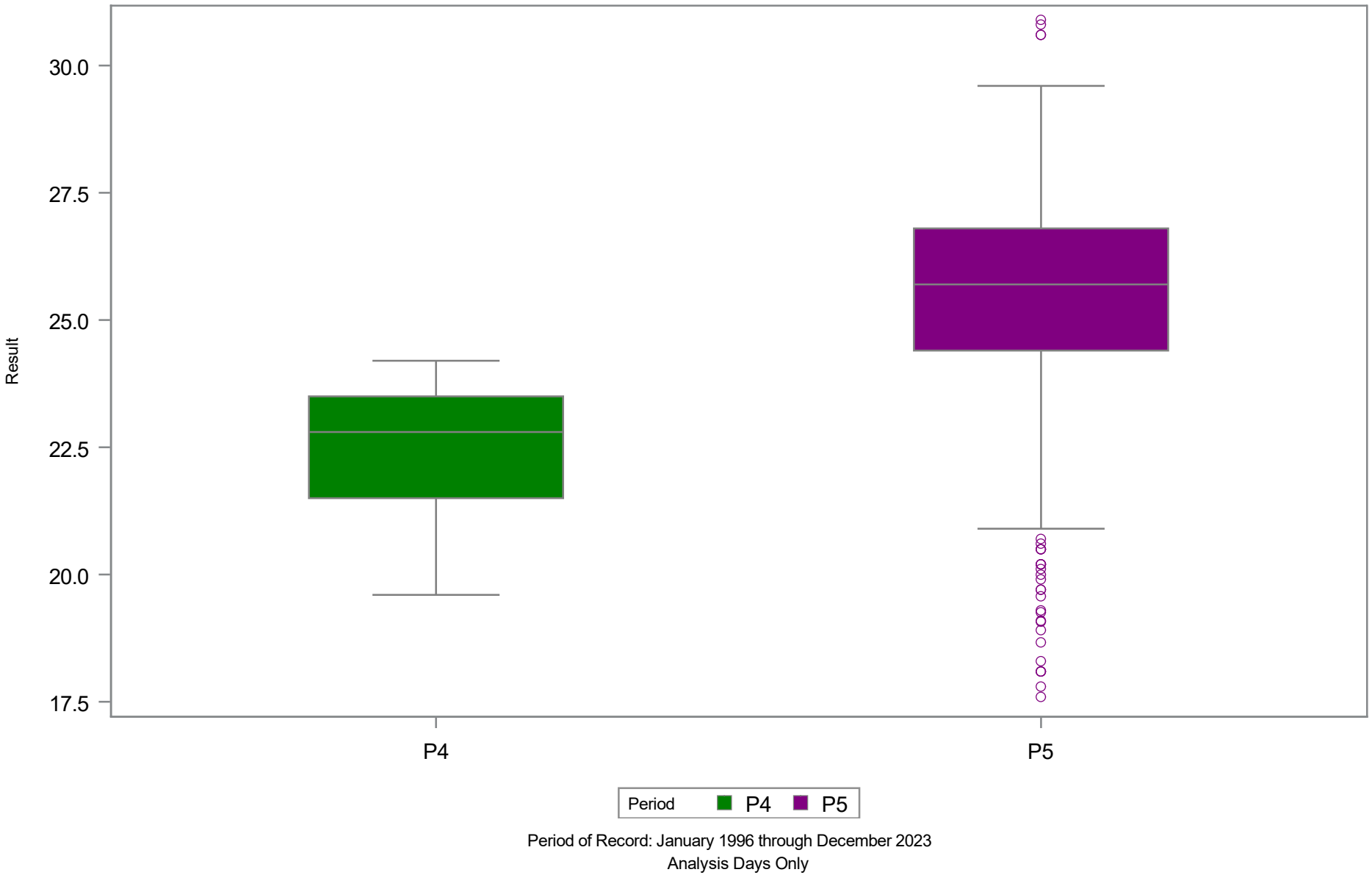
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	31	19.60	21.50	22.48	22.80	23.50	24.20
P5	696	17.60	24.40	25.38	25.70	26.80	30.90

Period of Record: January 1996 through December 2023
Analysis Days Only

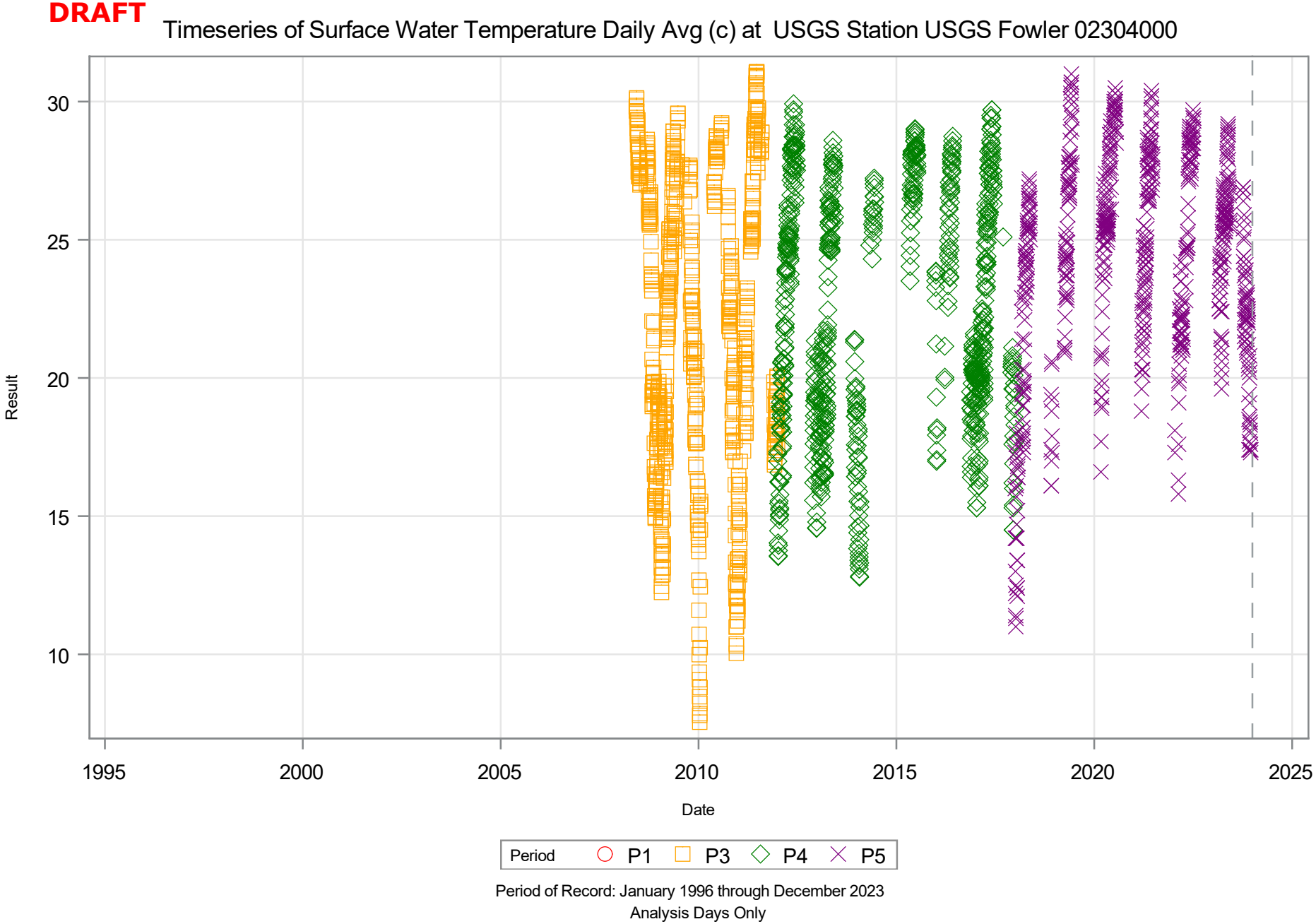
DRAFT

Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS BL Hannah's Whirl 02304517



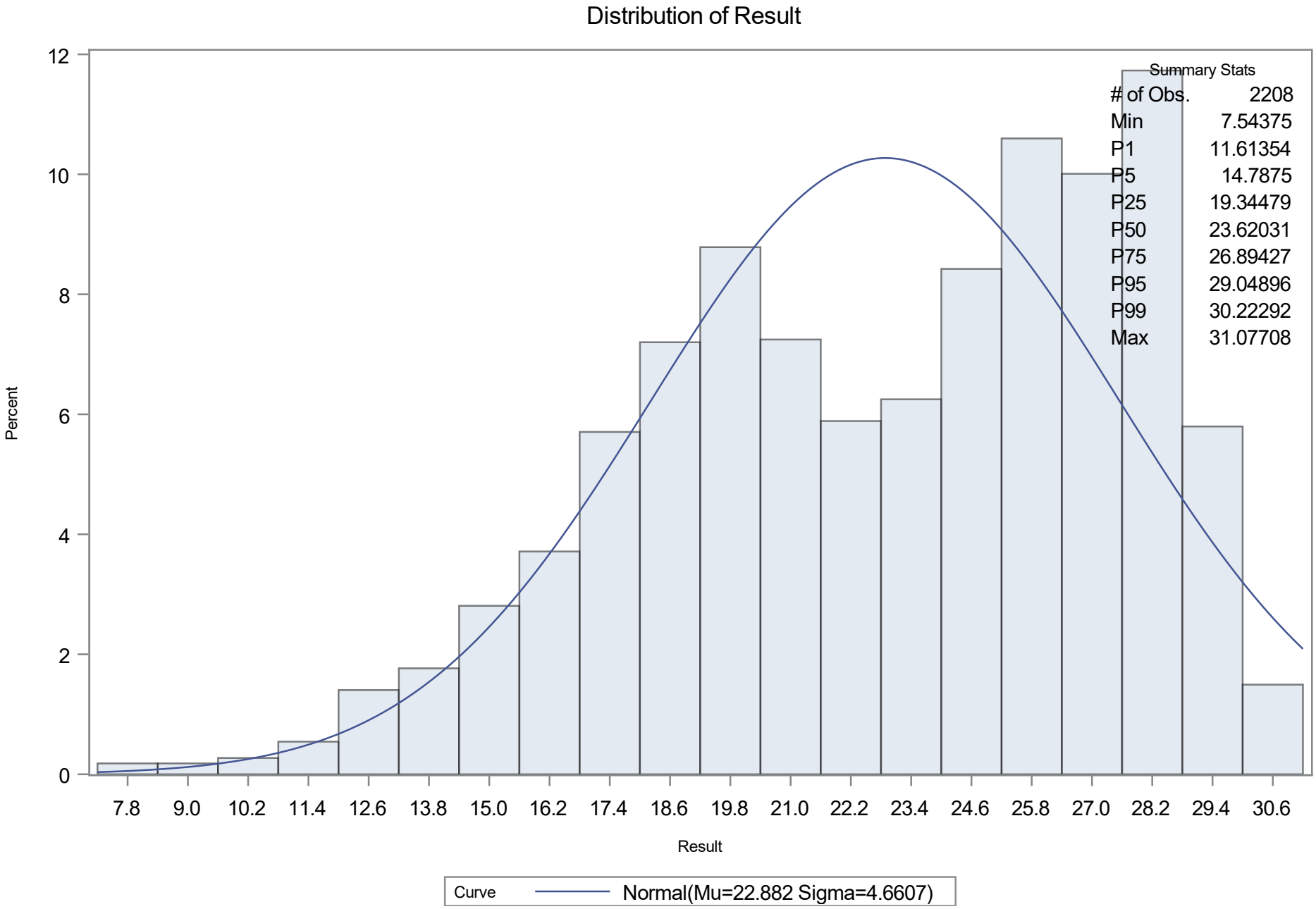
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS Fowler 02304000
Result
30
25
20
15
10
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Fowler 02304000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Fowler 02304000

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	22.88211
Std Dev	Sigma	4.66069

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0871741	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.3293464	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	26.0643203	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	11.6135	12.0397
5.0	14.7875	15.2160
10.0	16.4979	16.9092
25.0	19.3448	19.7385
50.0	23.6203	22.8821
75.0	26.8943	26.0257
90.0	28.4198	28.8550
95.0	29.0490	30.5483
99.0	30.2229	33.7245

Period of Record: January 1996 through December 2023
Analysis Days Only

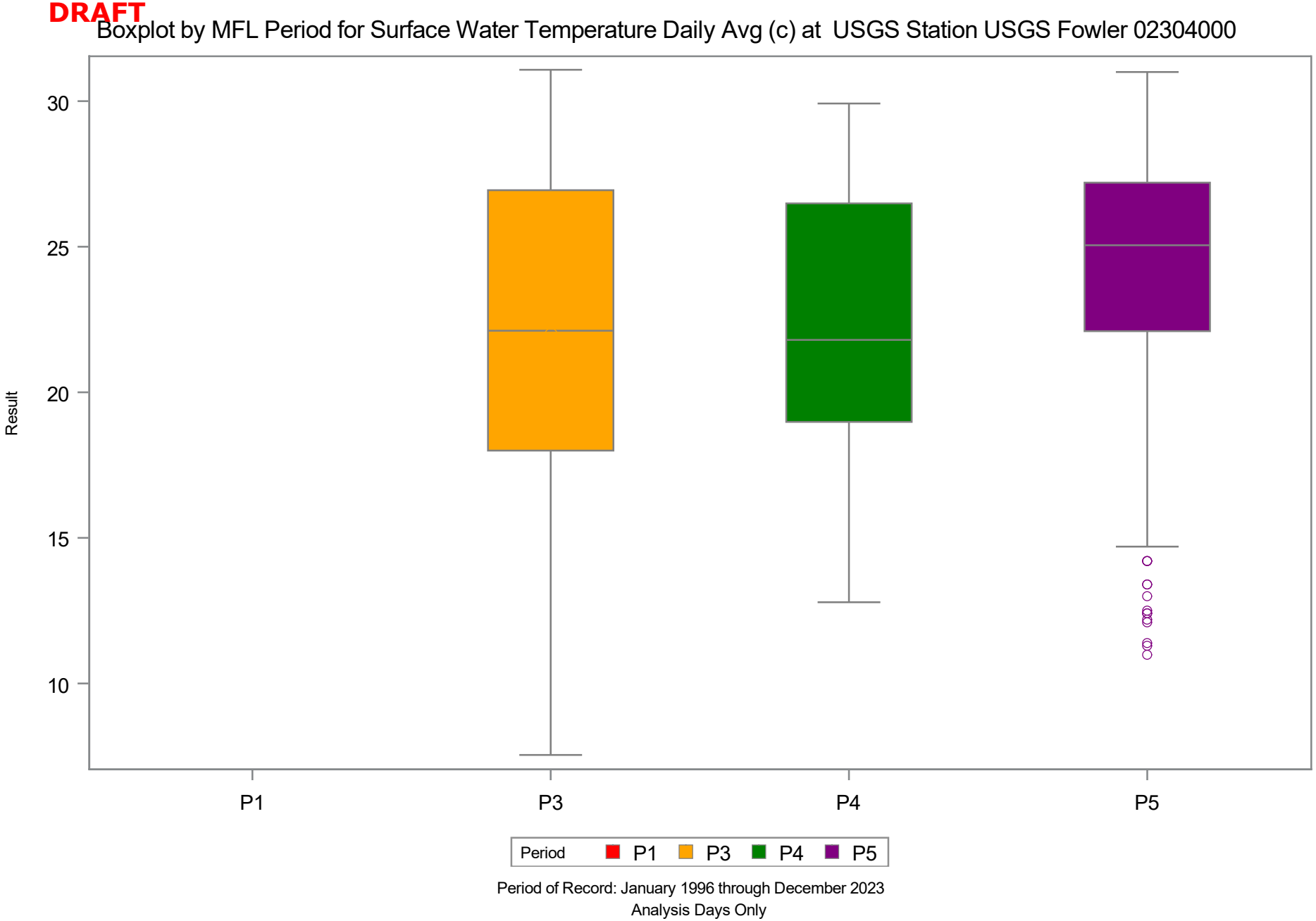
DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Fowler 02304000

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P3	727	7.54	18.00	21.97	22.12	26.94	31.08
P4	785	12.79	18.98	22.42	21.80	26.49	29.92
P5	696	11.00	22.10	24.36	25.05	27.20	31.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Fowler 02304000
Result
30
25
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15
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P1
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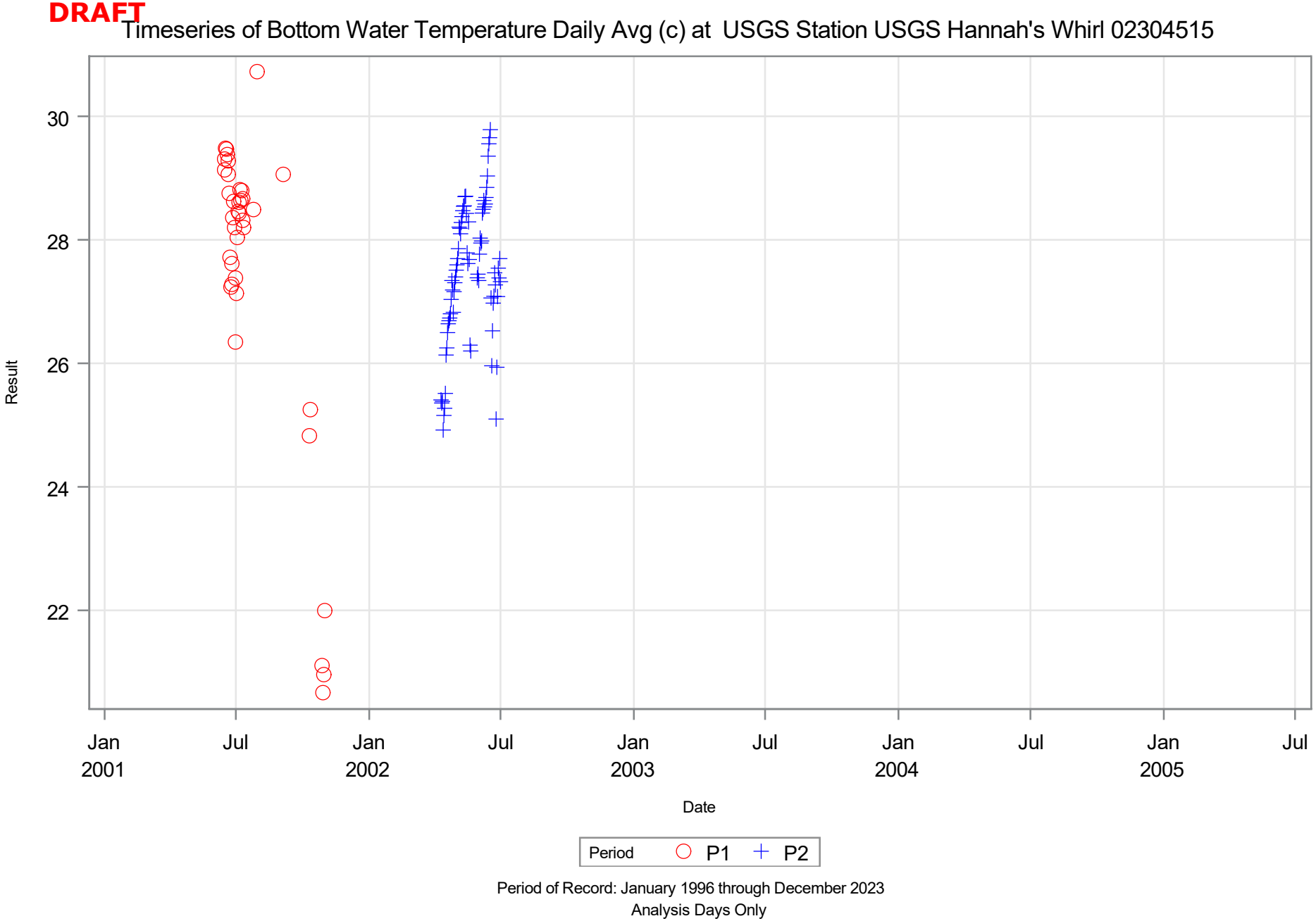
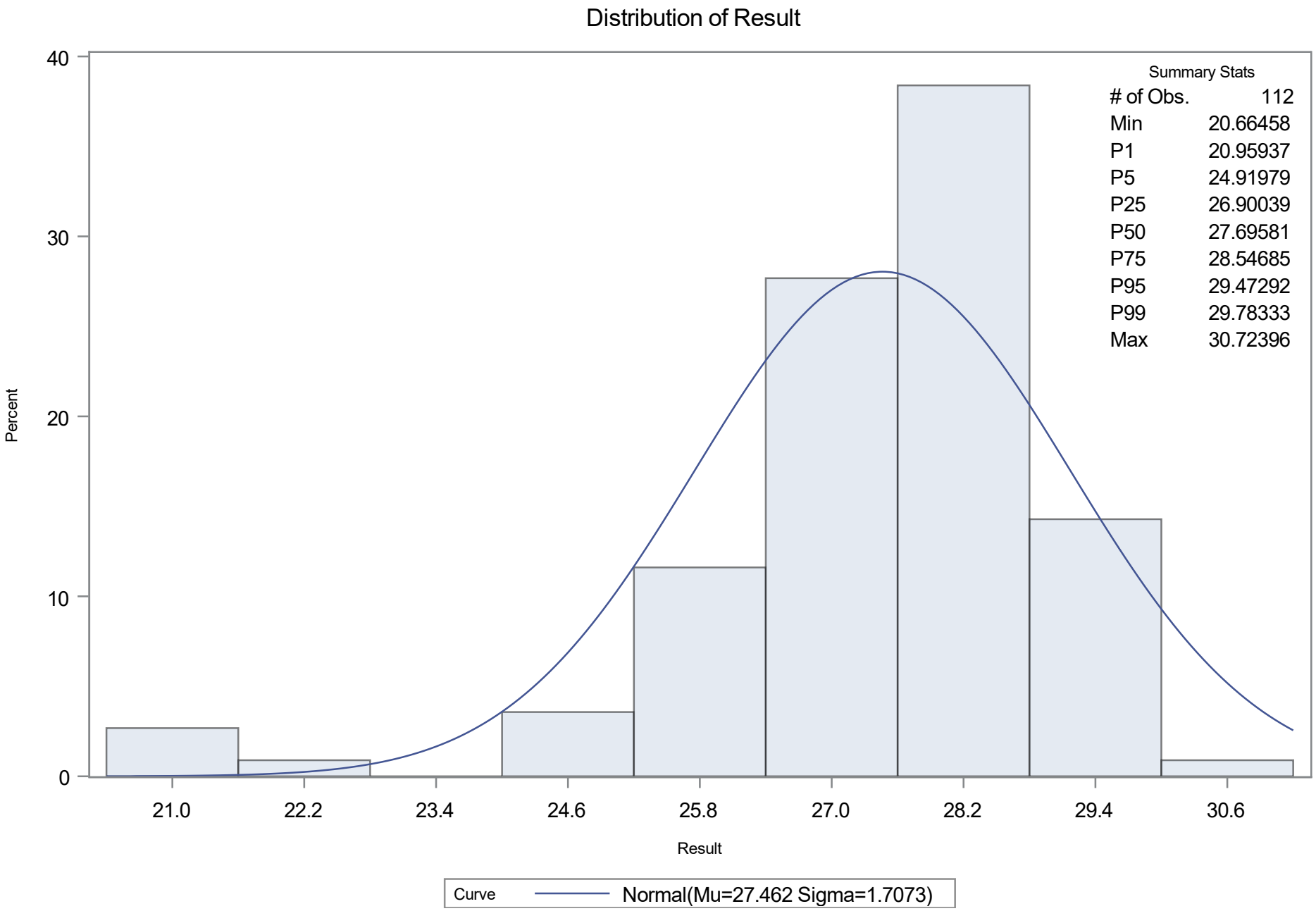
P4
P5
Period
P1
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515
Result
30
28
26
24
22
Jan
2001
Jul
Jan
2002
Jul
Jan
2003
Jul
Jan
2004
Jul
Jan
2005
Jul
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	27.46222
Std Dev	Sigma	1.707321

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14213503	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.55858454	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.60018049	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	20.9594	23.4904
5.0	24.9198	24.6539
10.0	25.3833	25.2742
25.0	26.9004	26.3107
50.0	27.6958	27.4622
75.0	28.5469	28.6138
90.0	29.0615	29.6502
95.0	29.4729	30.2705
99.0	29.7833	31.4340

Period of Record: January 1996 through December 2023
Analysis Days Only

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Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	37	20.66	27.28	27.51	28.43	28.81	30.72
P2	75	24.92	26.73	27.44	27.47	28.38	29.78

Period of Record: January 1996 through December 2023
Analysis Days Only

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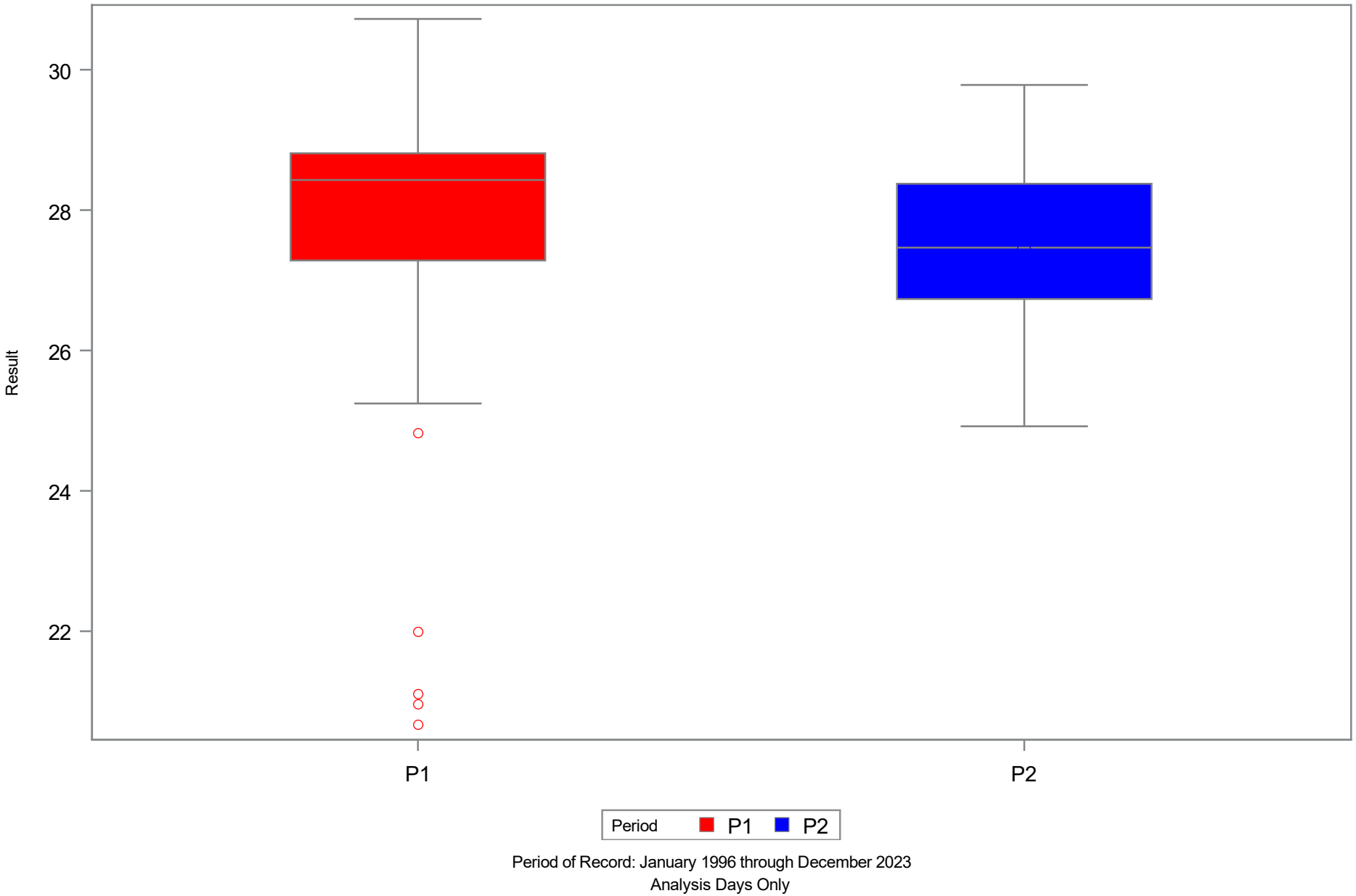
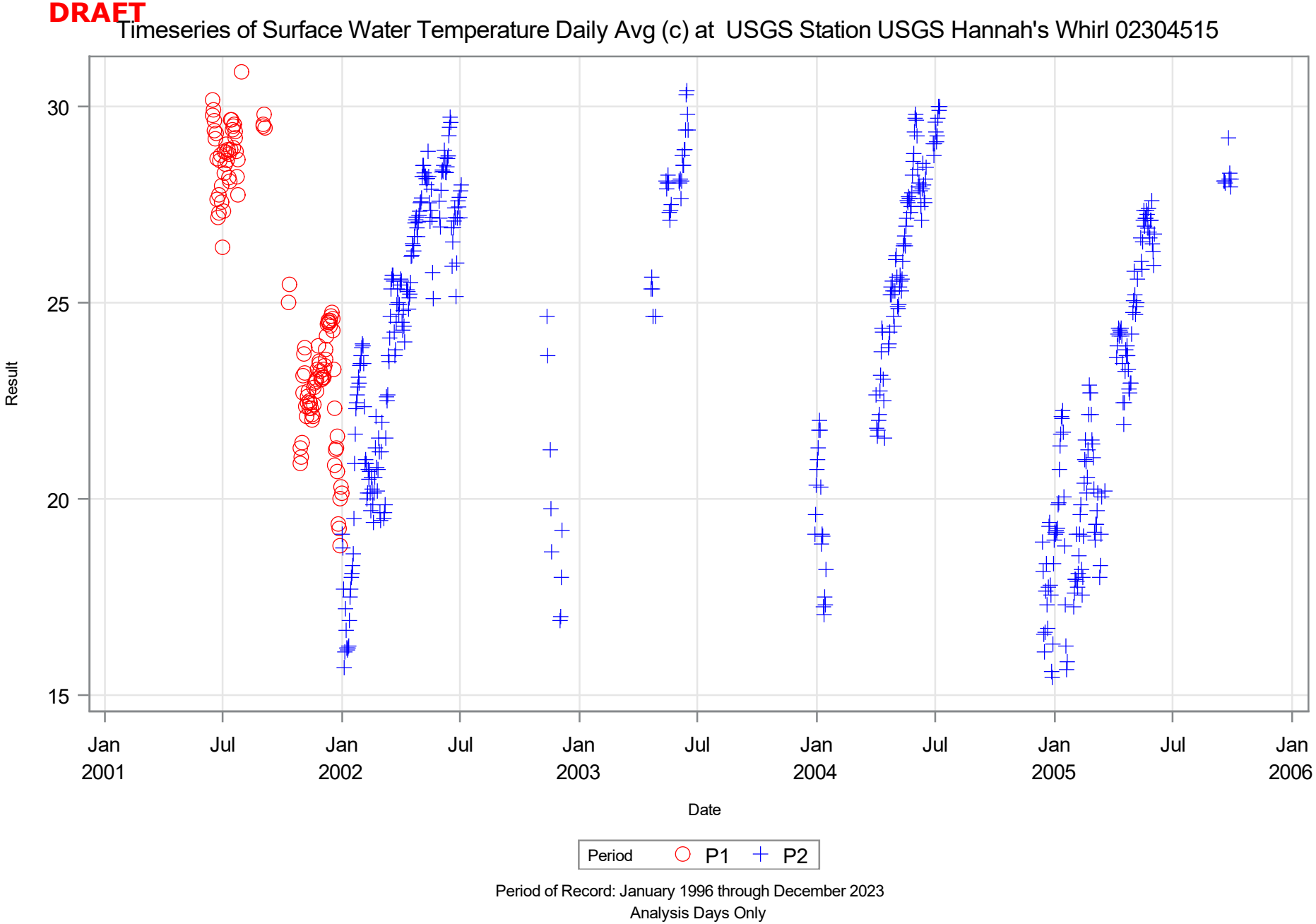
Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515
Result
30
25
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Jan 2001
Jul
Jan 2002
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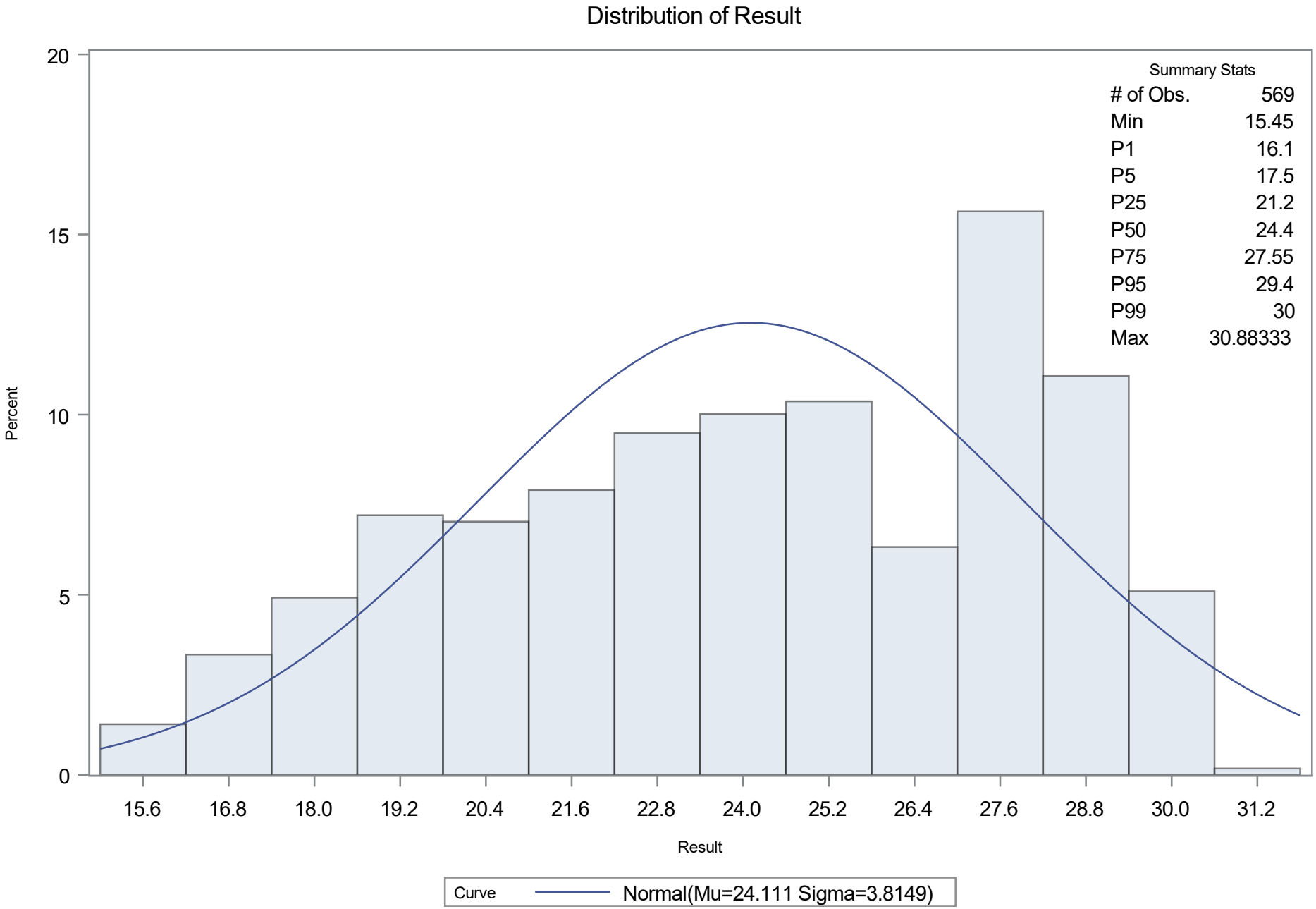
Jan 2003
Jul
Jan 2004
Jul
Jan 2005
Jul
Jan 2006
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.11114
Std Dev	Sigma	3.814883

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09978681	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.99138107	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	6.82218689	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	16.1000	15.2364
5.0	17.5000	17.8362
10.0	18.6500	19.2222
25.0	21.2000	21.5380
50.0	24.4000	24.1111
75.0	27.5500	26.6842
90.0	28.7938	29.0001
95.0	29.4000	30.3861
99.0	30.0000	32.9859

Period of Record: January 1996 through December 2023
Analysis Days Only

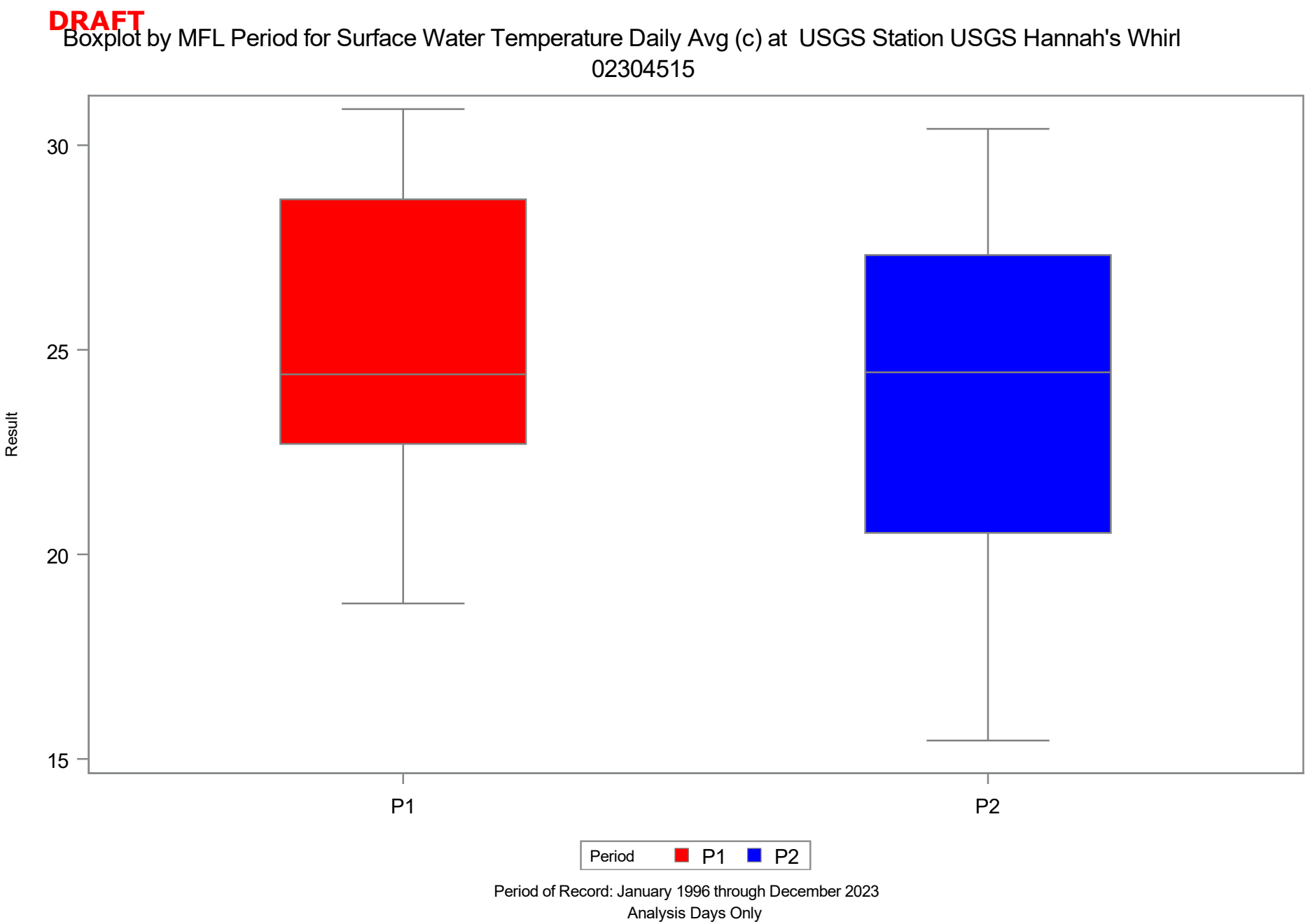
DRAFT

Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	113	18.80	22.70	25.20	24.40	28.68	30.88
P2	456	15.45	20.53	23.84	24.45	27.32	30.40

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Hannah's Whirl 02304515
Result
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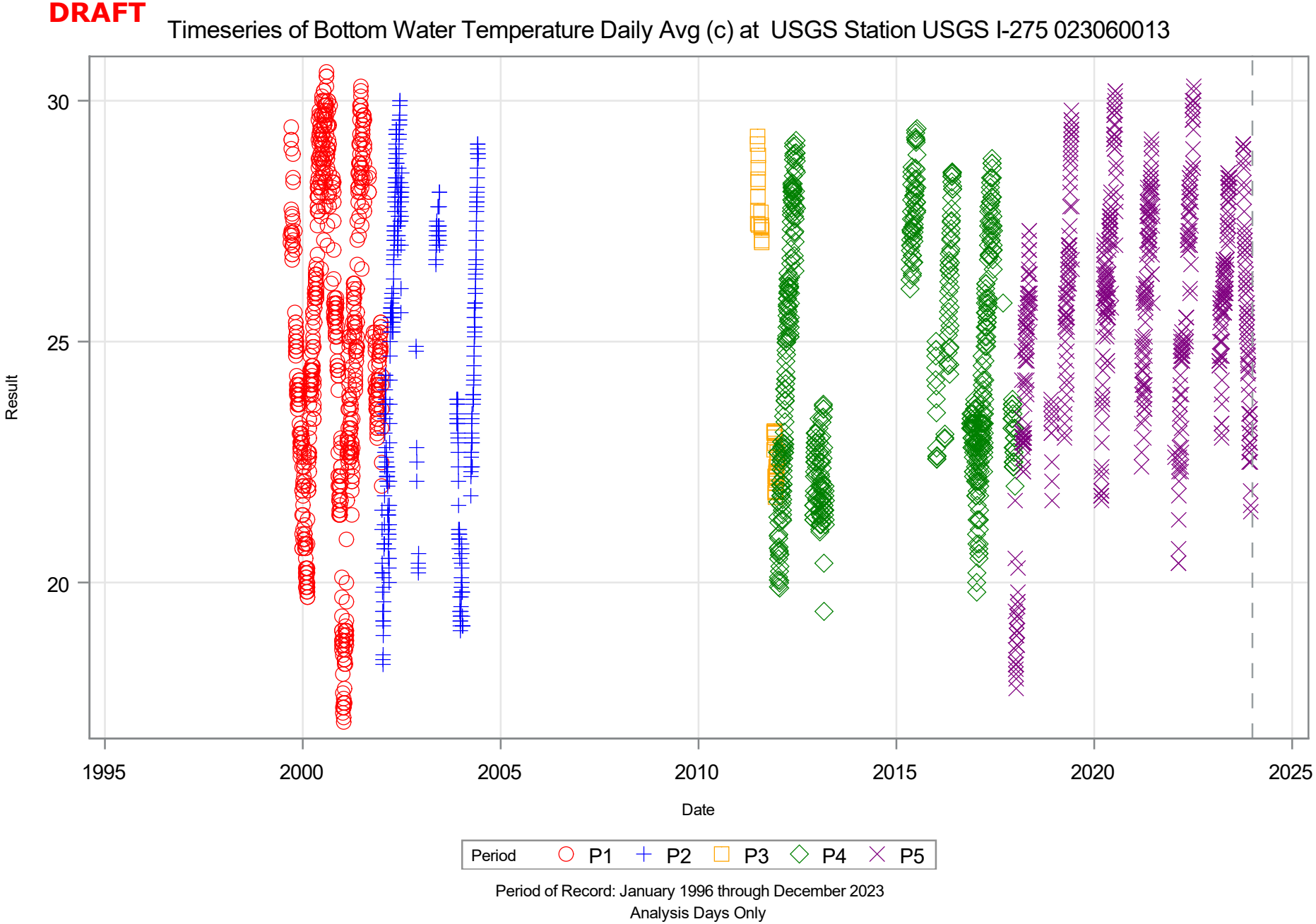
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013
Result
30
25
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1995
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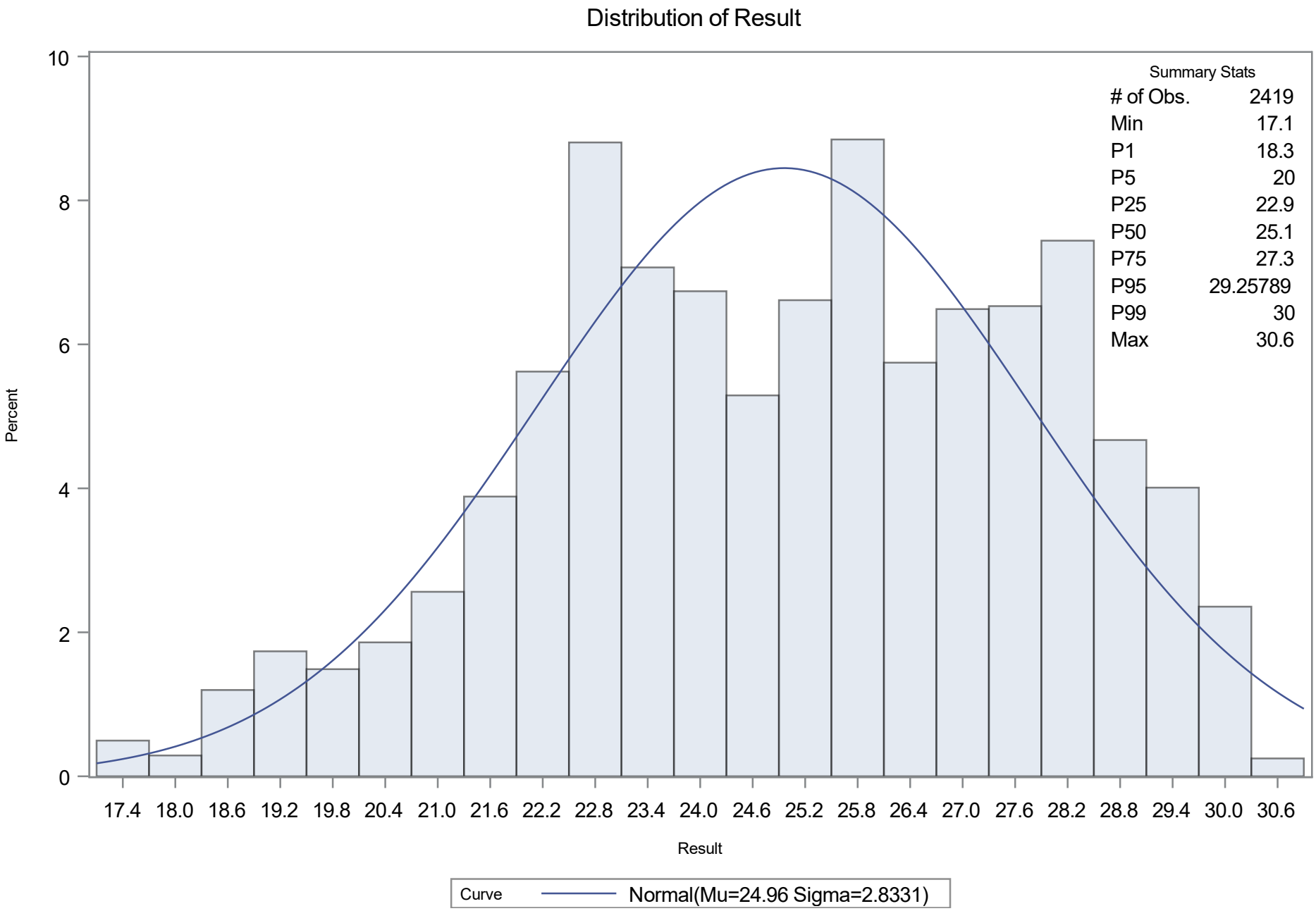
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.95999
Std Dev	Sigma	2.83313

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0553577	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.6019385	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.6689063	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	18.3000	18.3691
5.0	20.0000	20.2999
10.0	21.3156	21.3292
25.0	22.9000	23.0491
50.0	25.1000	24.9600
75.0	27.3000	26.8709
90.0	28.6000	28.5908
95.0	29.2579	29.6201
99.0	30.0000	31.5508

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	709	17.10	22.90	24.92	24.80	27.90	30.60
P2	338	18.30	21.80	24.50	24.95	27.40	30.00
P3	51	21.77	22.27	24.31	22.89	27.38	29.26
P4	625	19.40	22.58	24.52	23.70	26.82	29.42
P5	696	17.80	24.40	25.67	25.90	27.30	30.30

Period of Record: January 1996 through December 2023
Analysis Days Only

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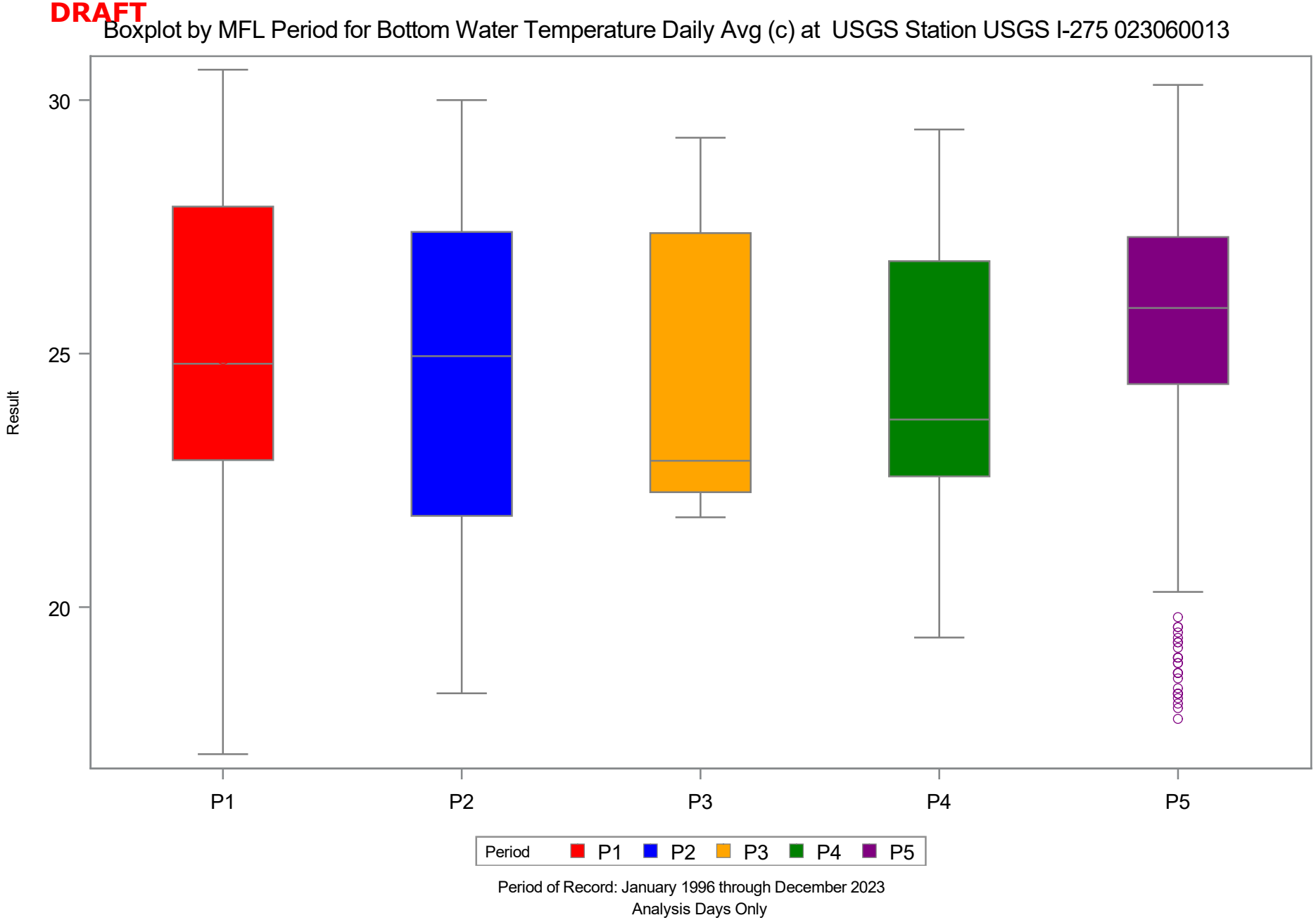
Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013
Result
30
25
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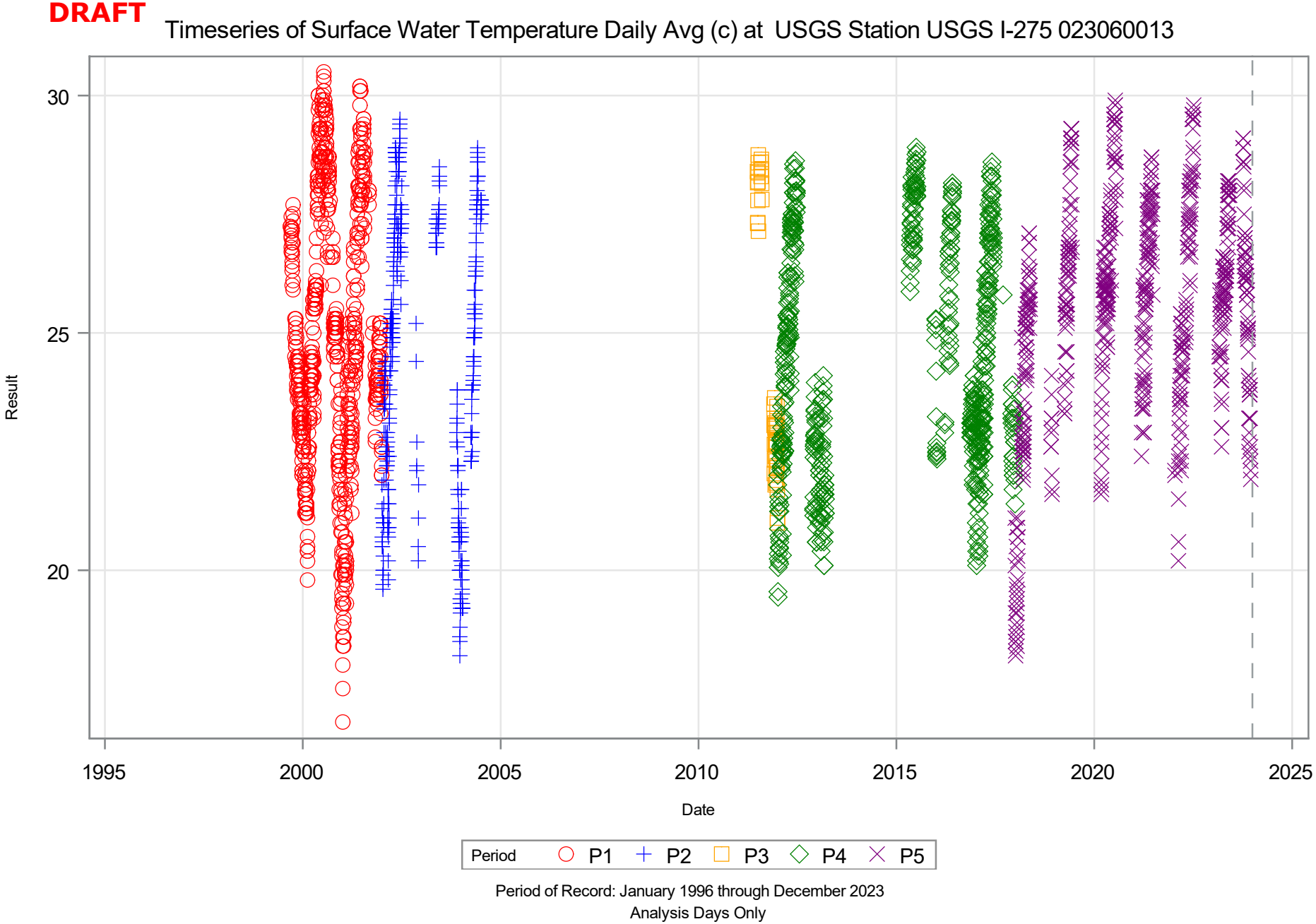
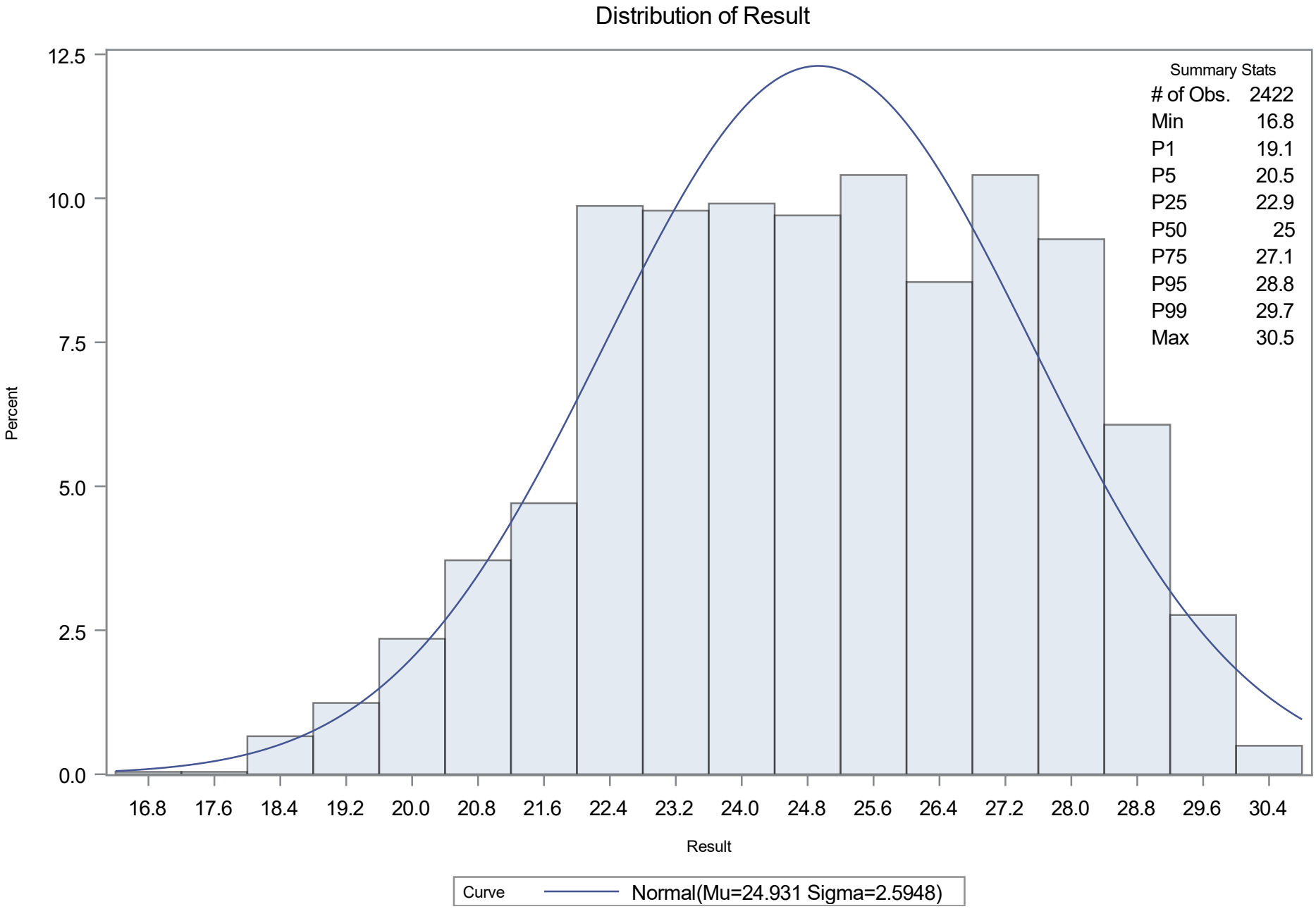
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013
Result
30
25
20
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.93081
Std Dev	Sigma	2.594811

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0578563	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.5546597	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.0850810	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	19.1000	18.8944
5.0	20.5000	20.6627
10.0	21.5411	21.6054
25.0	22.9000	23.1806
50.0	25.0000	24.9308
75.0	27.1000	26.6810
90.0	28.3000	28.2562
95.0	28.8000	29.1989
99.0	29.7000	30.9672

Period of Record: January 1996 through December 2023
Analysis Days Only

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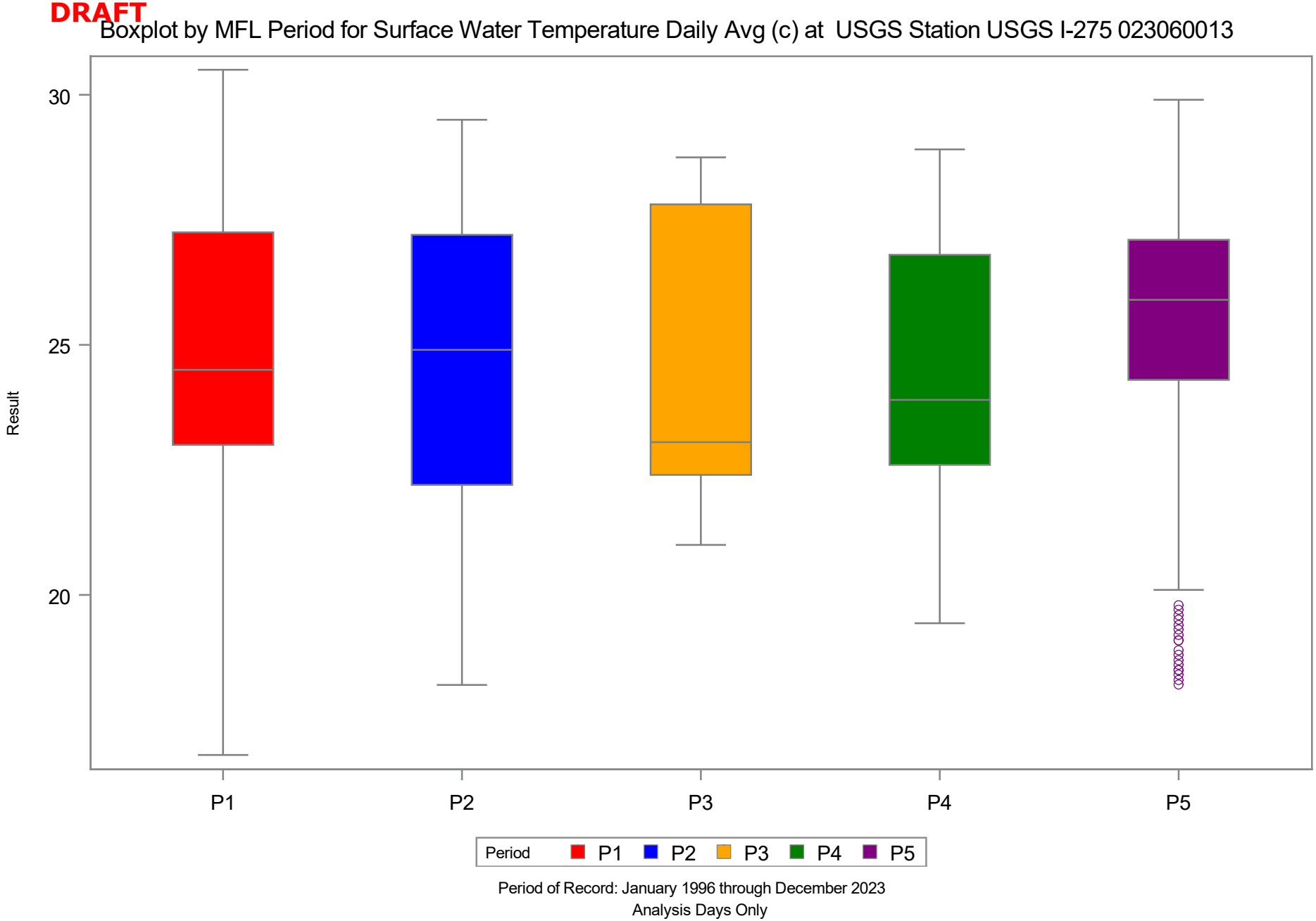
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013

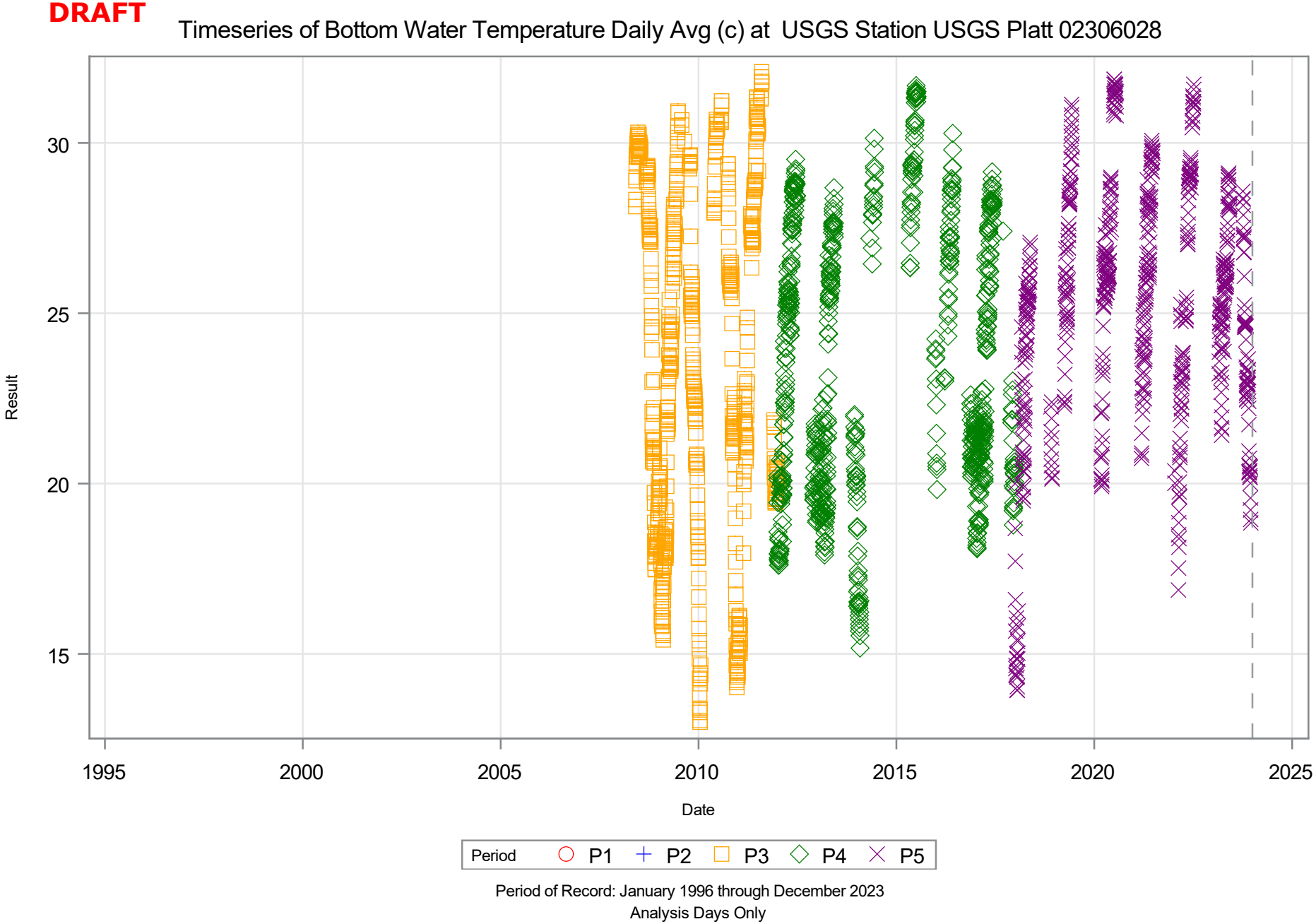
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	709	16.80	23.00	24.91	24.50	27.25	30.50
P2	345	18.20	22.20	24.56	24.90	27.20	29.50
P3	50	21.00	22.40	24.47	23.05	27.81	28.75
P4	623	19.43	22.60	24.45	23.90	26.80	28.91
P5	695	18.20	24.30	25.61	25.90	27.10	29.90

Period of Record: January 1996 through December 2023
Analysis Days Only

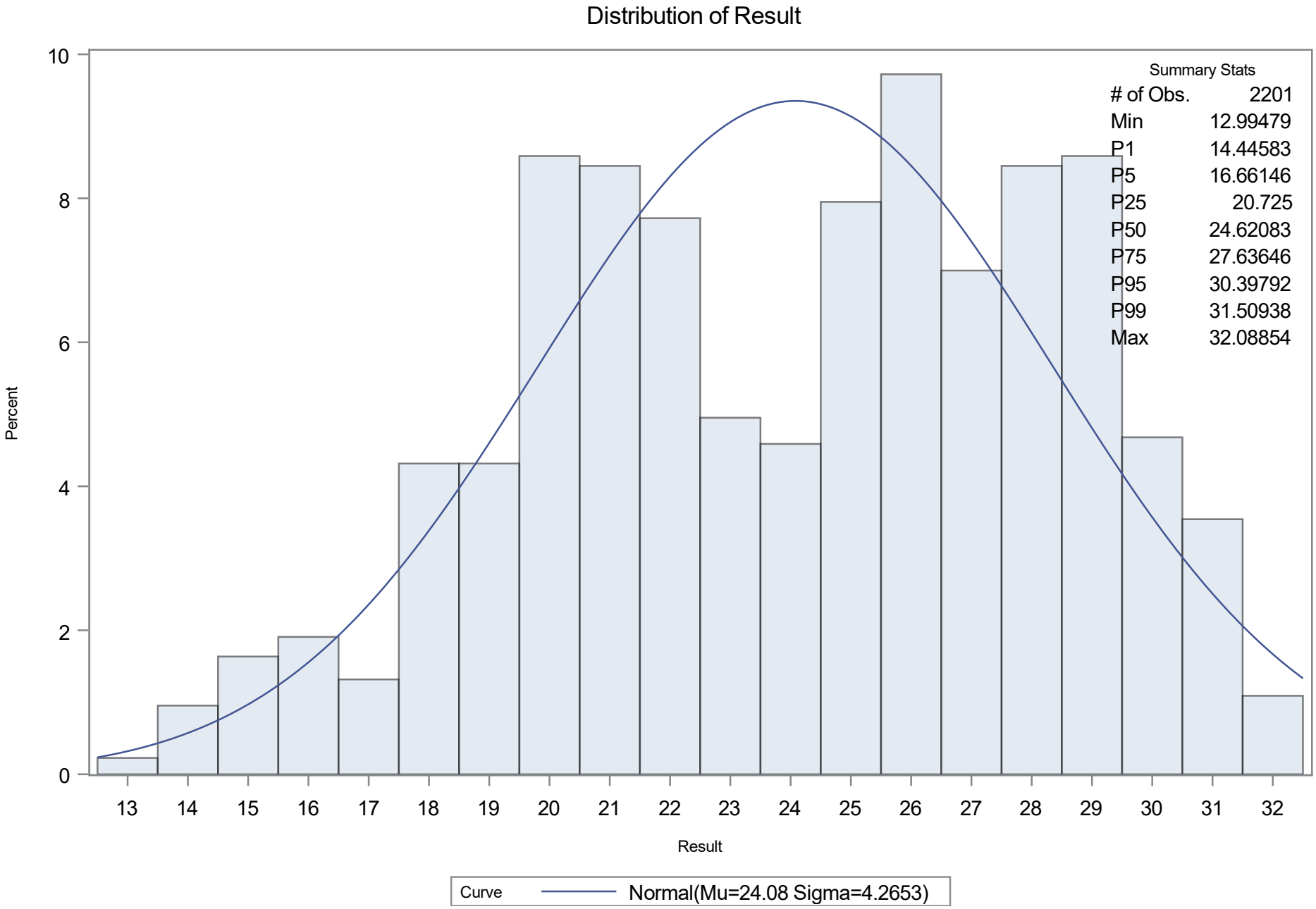
DRAFT


Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS I-275 023060013
Result
30
25
20
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028
Result
30
25
20
15
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.08009
Std Dev	Sigma	4.265313

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0631388	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.0370832	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	17.3968629	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.4458	14.1575
5.0	16.6615	17.0643
10.0	18.4117	18.6139
25.0	20.7250	21.2032
50.0	24.6208	24.0801
75.0	27.6365	26.9570
90.0	29.3906	29.5463
95.0	30.3979	31.0959
99.0	31.5094	34.0027

Period of Record: January 1996 through December 2023
Analysis Days Only

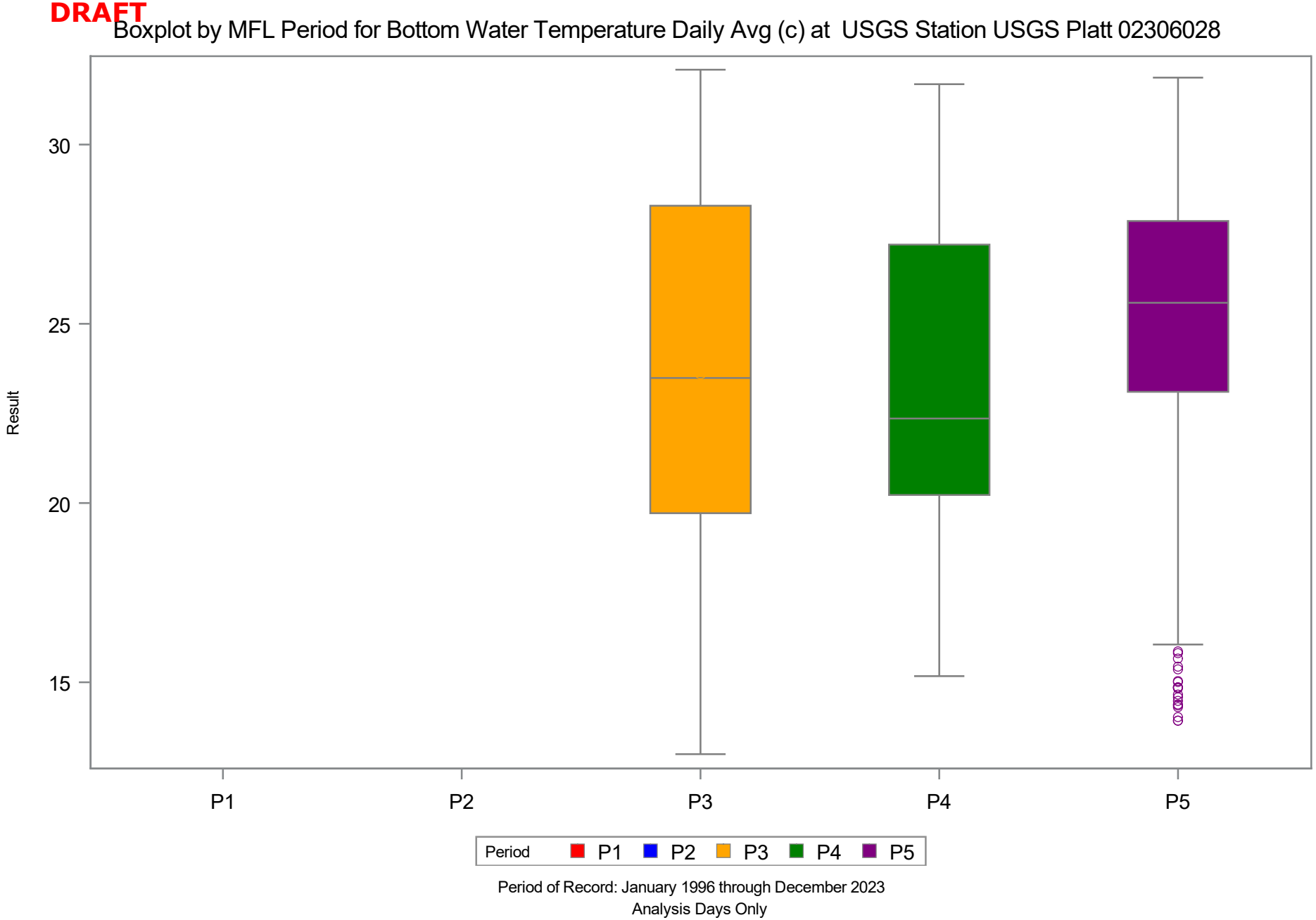
DRAFT

Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028

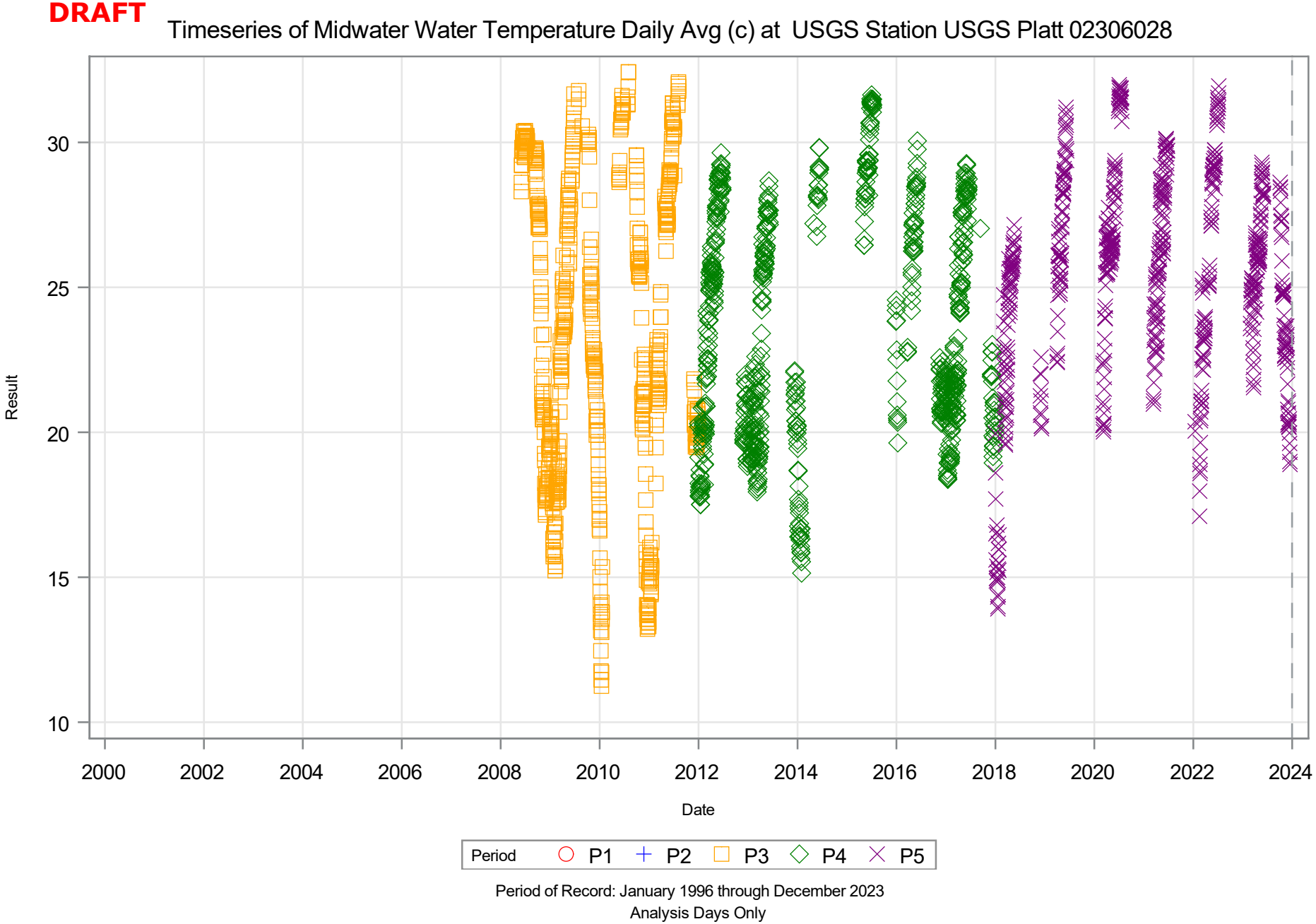
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	0	0	0	0	0	0	0
P3	725	12.99	19.72	23.64	23.49	28.29	32.09
P4	782	15.17	20.23	23.49	22.36	27.21	31.68
P5	694	13.93	23.10	25.21	25.59	27.87	31.87

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028
Result
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25
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15
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2000
2002
2004
2006
2008
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2012
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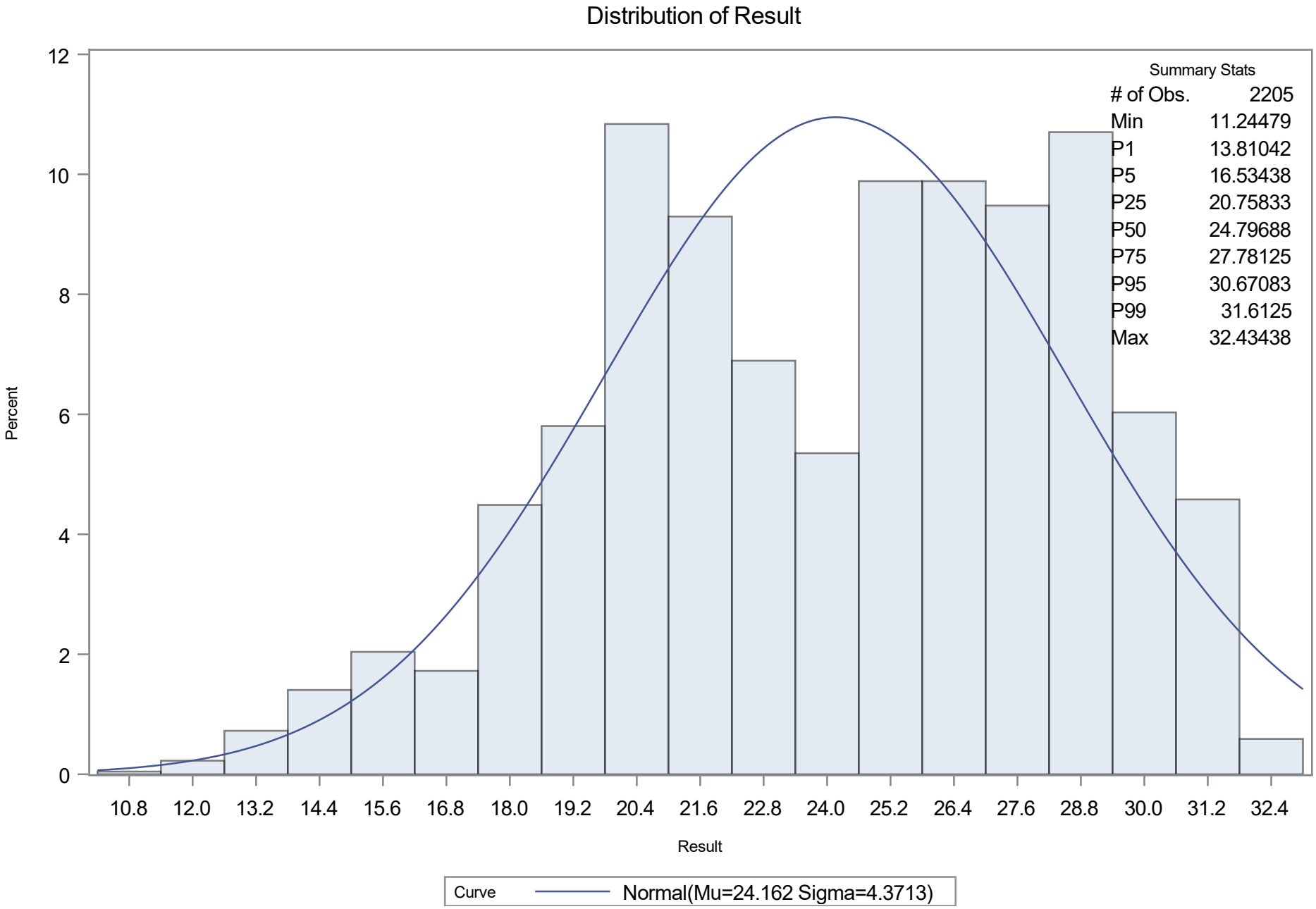
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.16172
Std Dev	Sigma	4.371297

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0628489	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.8259009	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.2114326	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	13.8104	13.9926
5.0	16.5344	16.9716
10.0	18.4073	18.5597
25.0	20.7583	21.2133
50.0	24.7969	24.1617
75.0	27.7813	27.1101
90.0	29.6250	29.7638
95.0	30.6708	31.3519
99.0	31.6125	34.3309

Period of Record: January 1996 through December 2023
Analysis Days Only

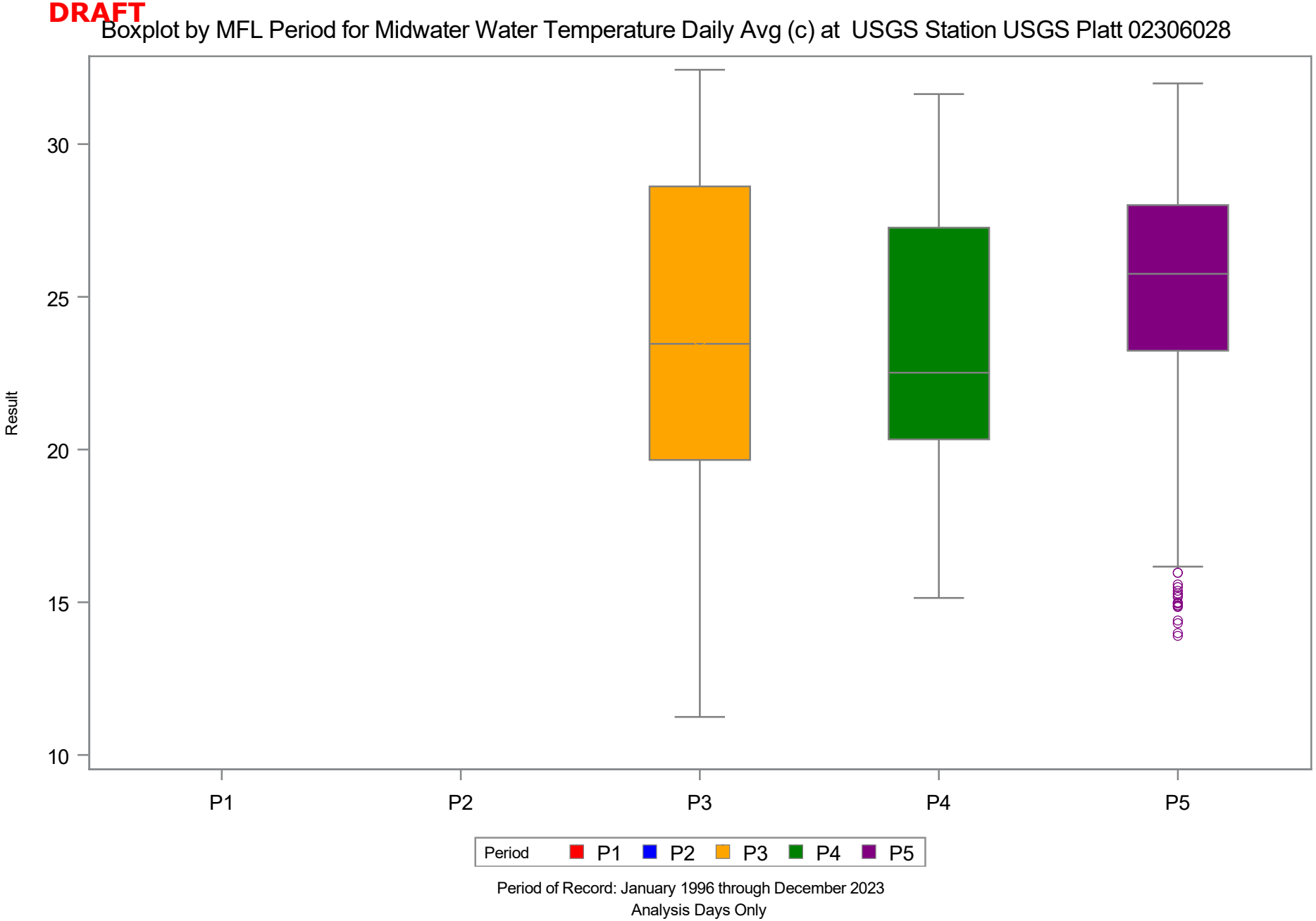
DRAFT

Distributional Statistics by Period for Midwater Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	0	0	0	0	0	0	0
P3	725	11.24	19.66	23.61	23.46	28.61	32.43
P4	786	15.14	20.33	23.60	22.52	27.26	31.64
P5	694	13.91	23.24	25.38	25.75	28.00	31.99

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Midwater Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028
Result
30
25
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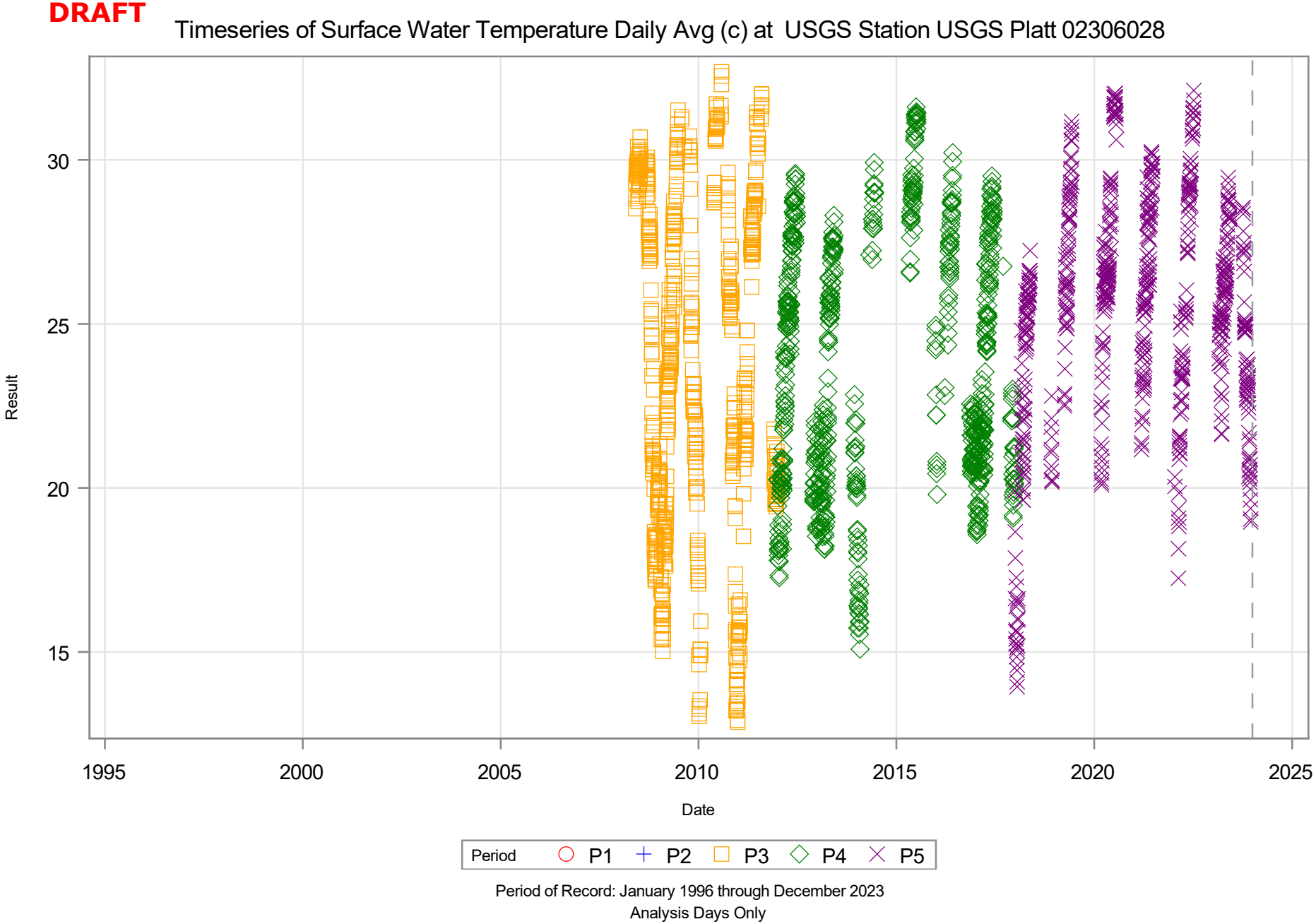
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028
Result
30
25
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1995
2000
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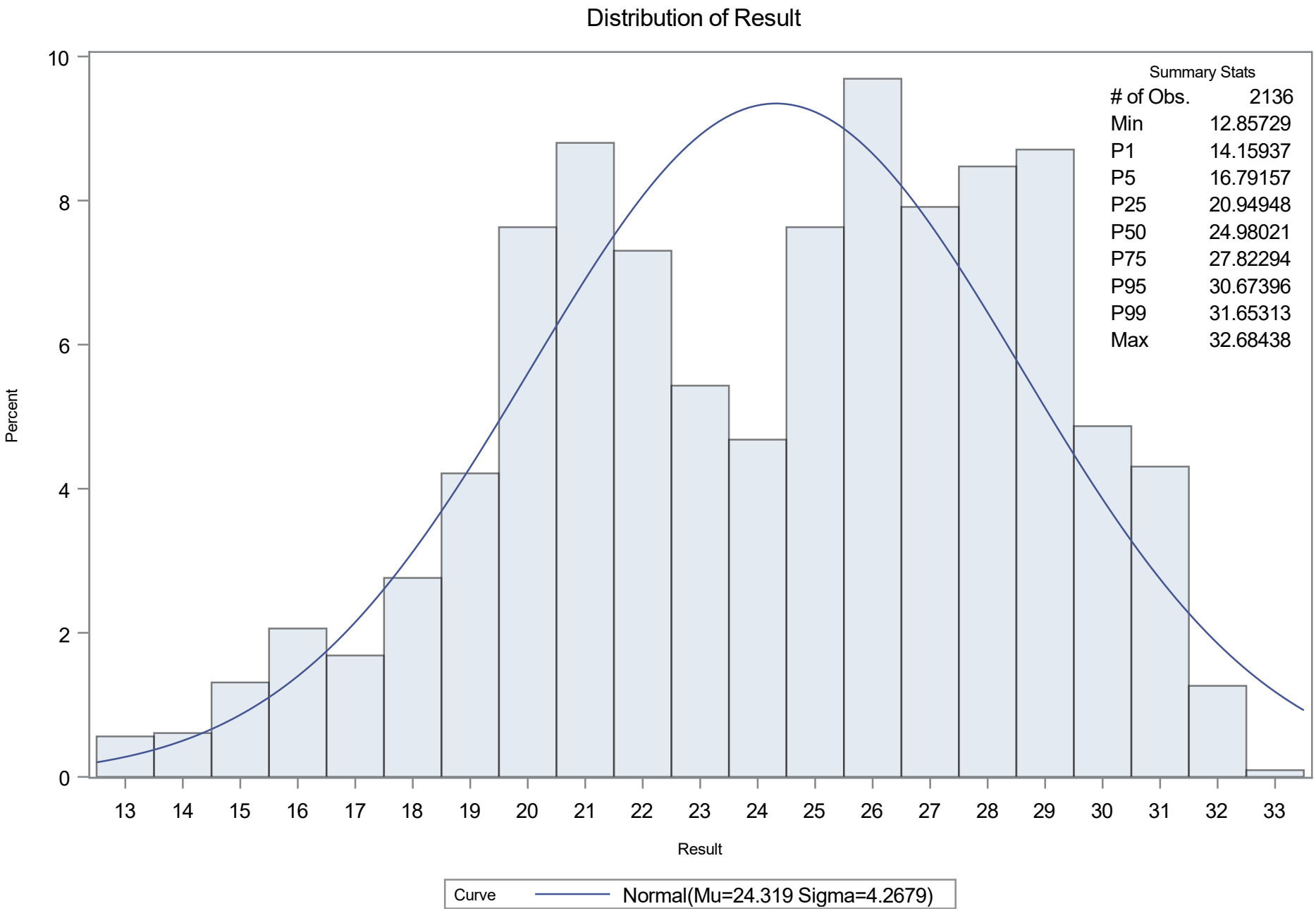
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.31943
Std Dev	Sigma	4.267938

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0644689	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.8089775	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	15.9399561	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.1594	14.3907
5.0	16.7916	17.2993
10.0	18.7125	18.8498
25.0	20.9495	21.4407
50.0	24.9802	24.3194
75.0	27.8229	27.1981
90.0	29.5833	29.7890
95.0	30.6740	31.3396
99.0	31.6531	34.2481

Period of Record: January 1996 through December 2023
Analysis Days Only

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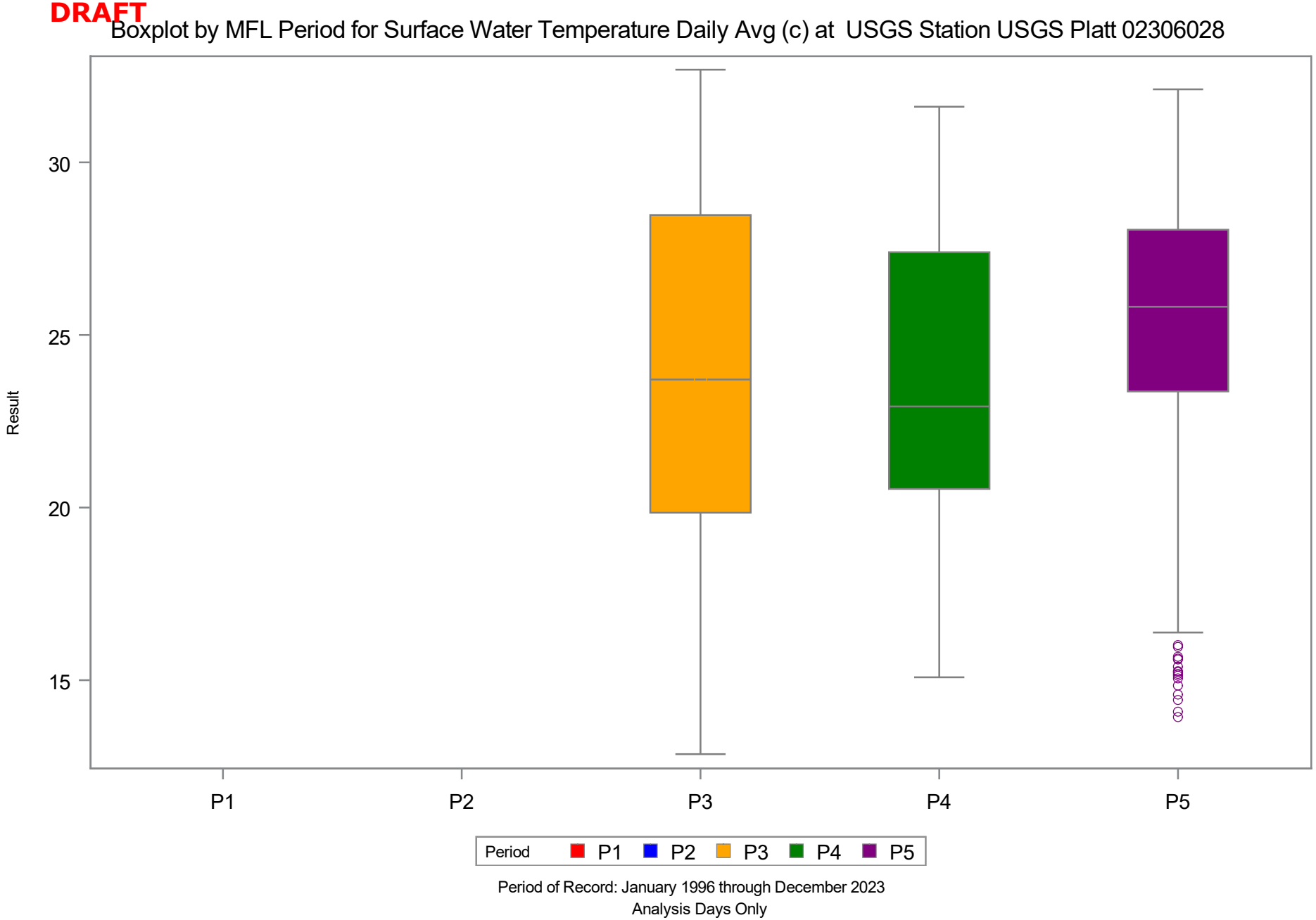
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	0	0	0	0	0	0	0
P3	683	12.86	19.85	23.75	23.71	28.48	32.68
P4	759	15.08	20.54	23.77	22.93	27.39	31.61
P5	694	13.94	23.36	25.48	25.82	28.05	32.12

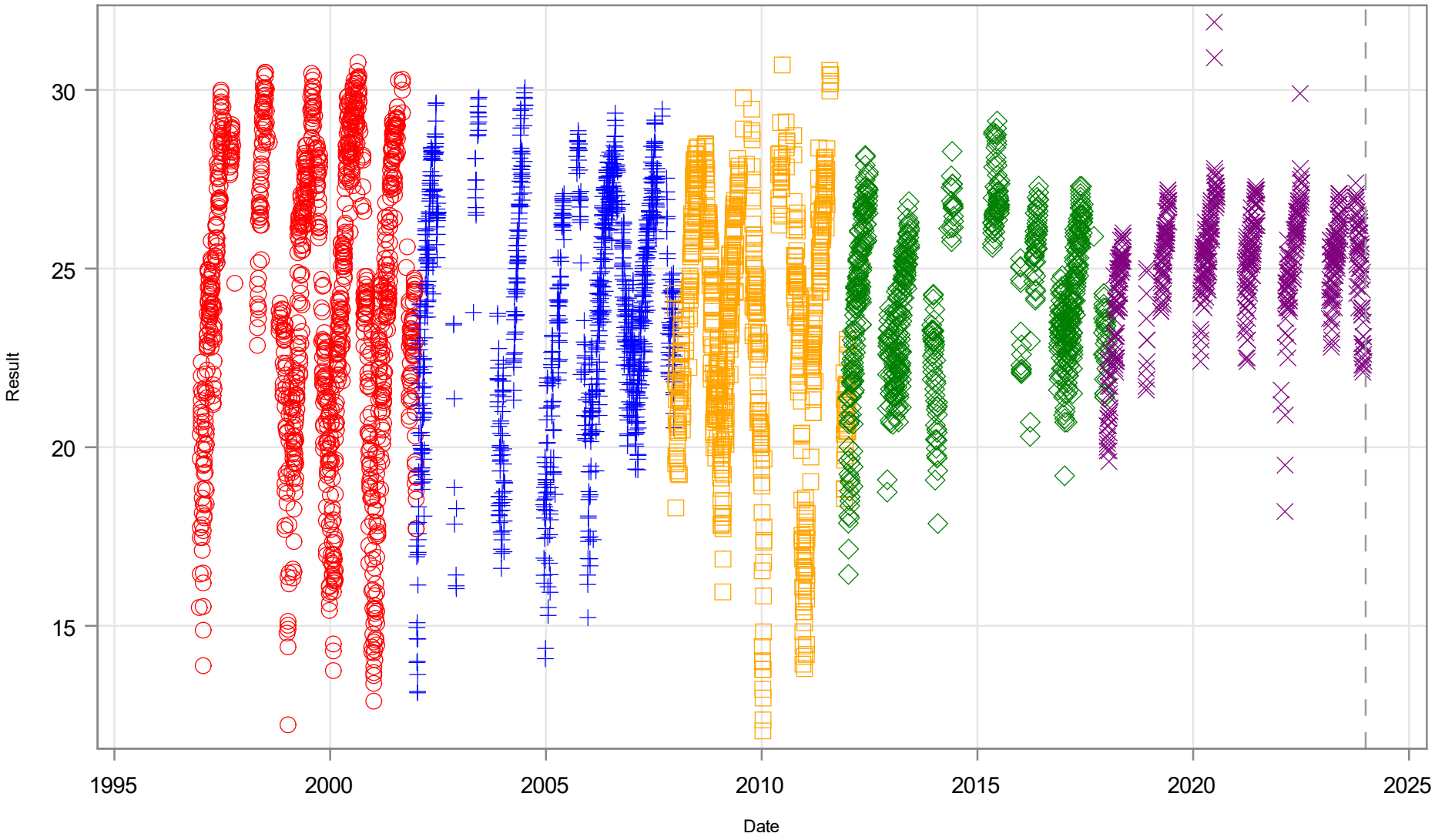
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Platt 02306028
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

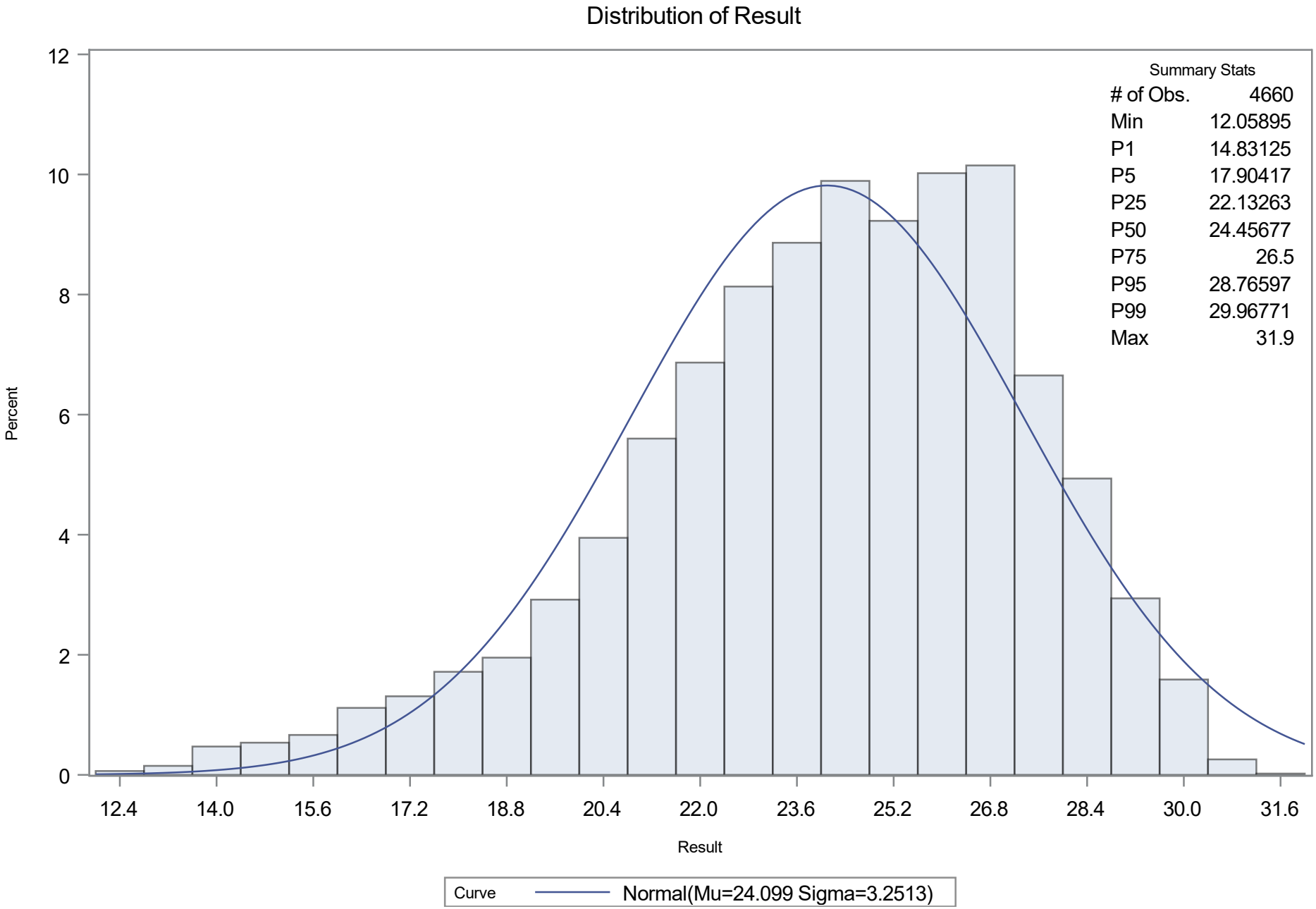
Timeseries of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.09868
Std Dev	Sigma	3.251314

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0489066	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.0419885	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	26.9430626	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.8312	16.5350
5.0	17.9042	18.7507
10.0	19.7583	19.9320
25.0	22.1326	21.9057
50.0	24.4568	24.0987
75.0	26.5000	26.2917
90.0	27.9549	28.2654
95.0	28.7660	29.4466
99.0	29.9677	31.6624

Period of Record: January 1996 through December 2023
Analysis Days Only

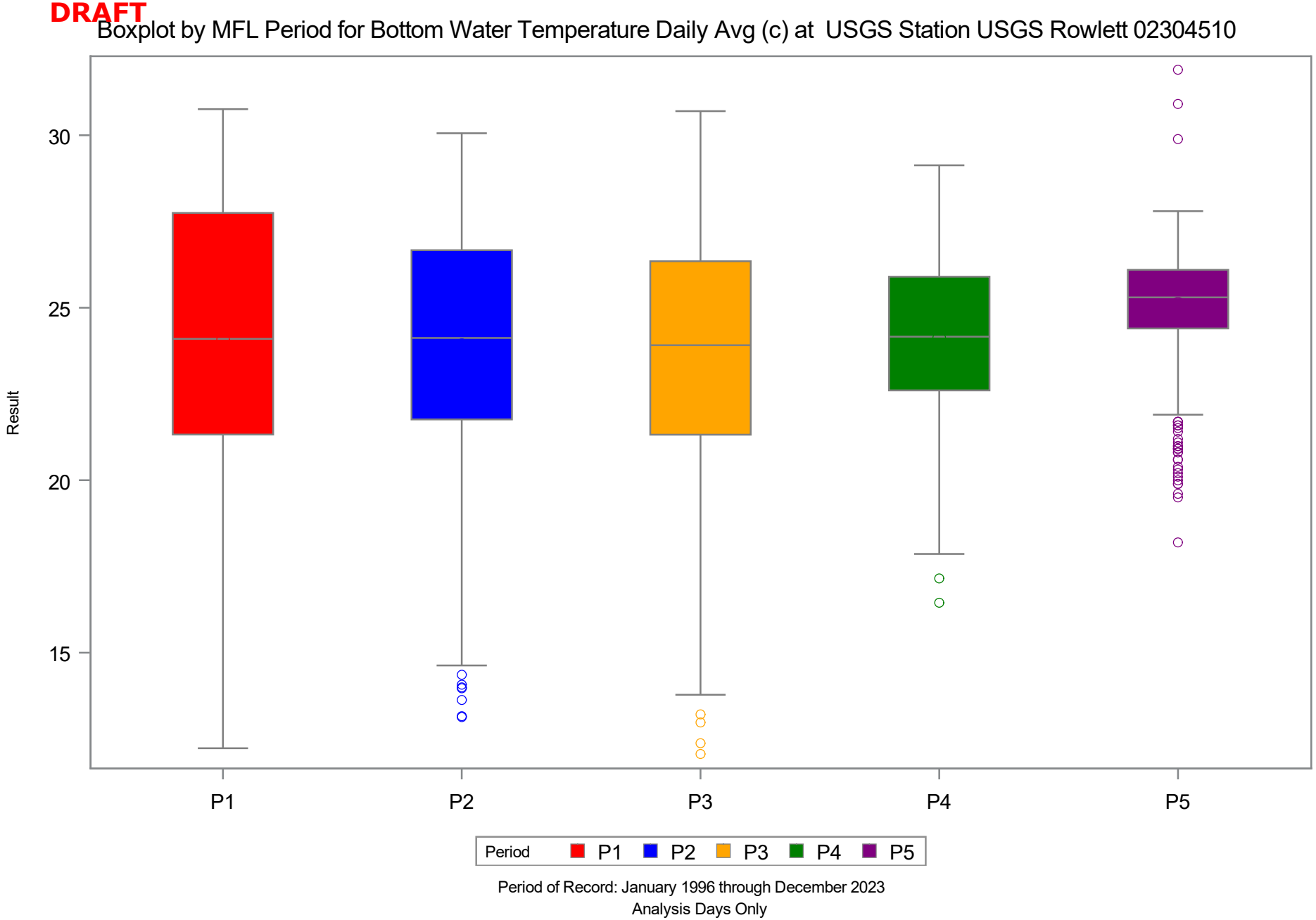
DRAFT

Distributional Statistics by Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1242	12.23	21.32	24.06	24.10	27.75	30.76
P2	1116	13.13	21.76	23.92	24.12	26.67	30.06
P3	825	12.06	21.32	23.52	23.91	26.35	30.70
P4	783	16.44	22.61	24.12	24.16	25.90	29.13
P5	694	18.20	24.40	25.11	25.30	26.10	31.90

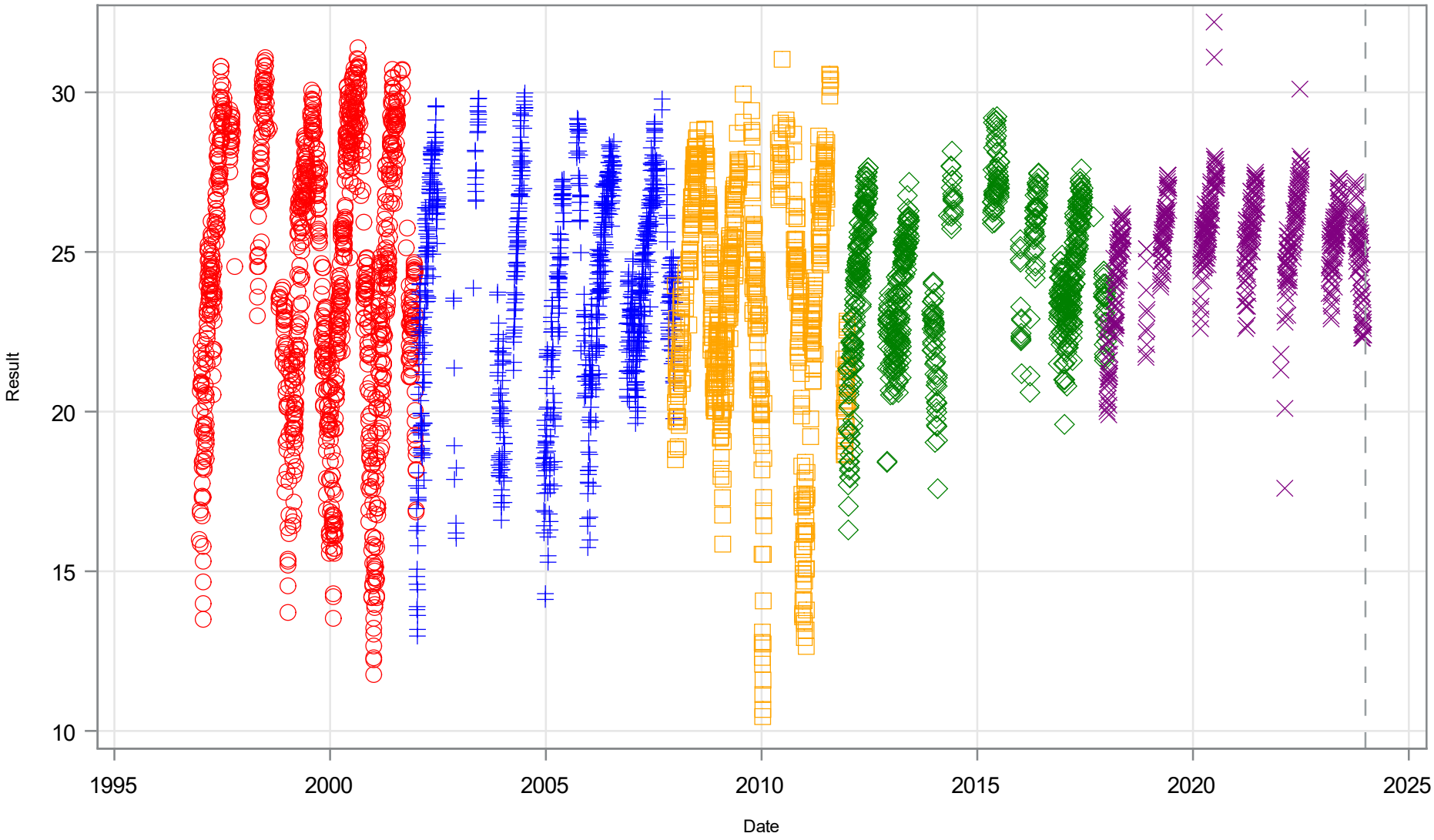
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Bottom Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510
Result
30
25
20
15
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

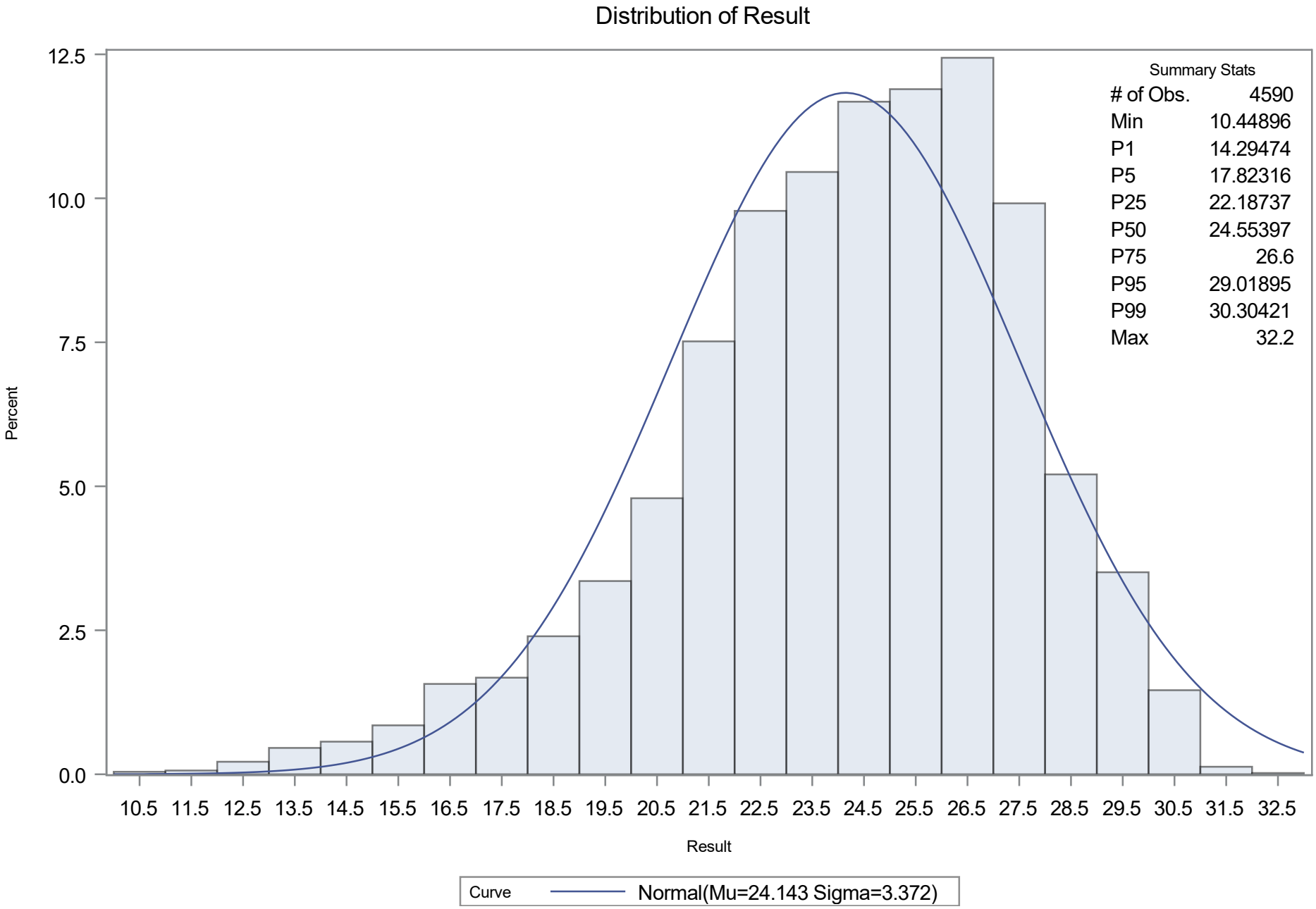
Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	24.14345
Std Dev	Sigma	3.371987

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0498198	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.2525098	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	28.0127538	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	14.2947	16.2990
5.0	17.8232	18.5970
10.0	19.6854	19.8221
25.0	22.1874	21.8691
50.0	24.5540	24.1435
75.0	26.6000	26.4178
90.0	28.0317	28.4648
95.0	29.0189	29.6899
99.0	30.3042	31.9879

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

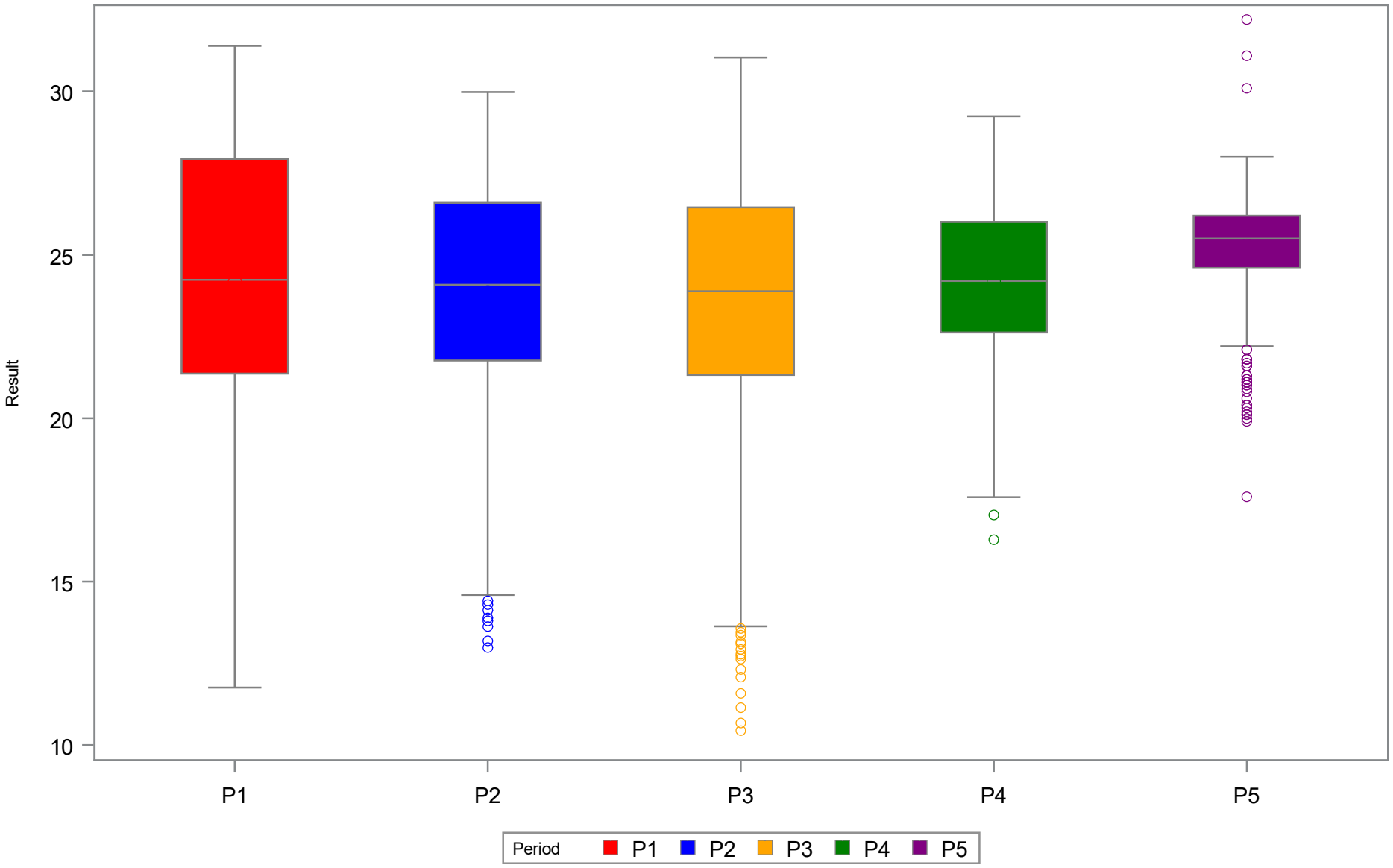
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1233	11.76	21.37	24.16	24.23	27.93	31.39
P2	1056	12.97	21.77	23.85	24.08	26.59	29.98
P3	821	10.45	21.33	23.54	23.88	26.46	31.04
P4	785	16.29	22.62	24.16	24.20	26.01	29.24
P5	695	17.60	24.60	25.27	25.50	26.20	32.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

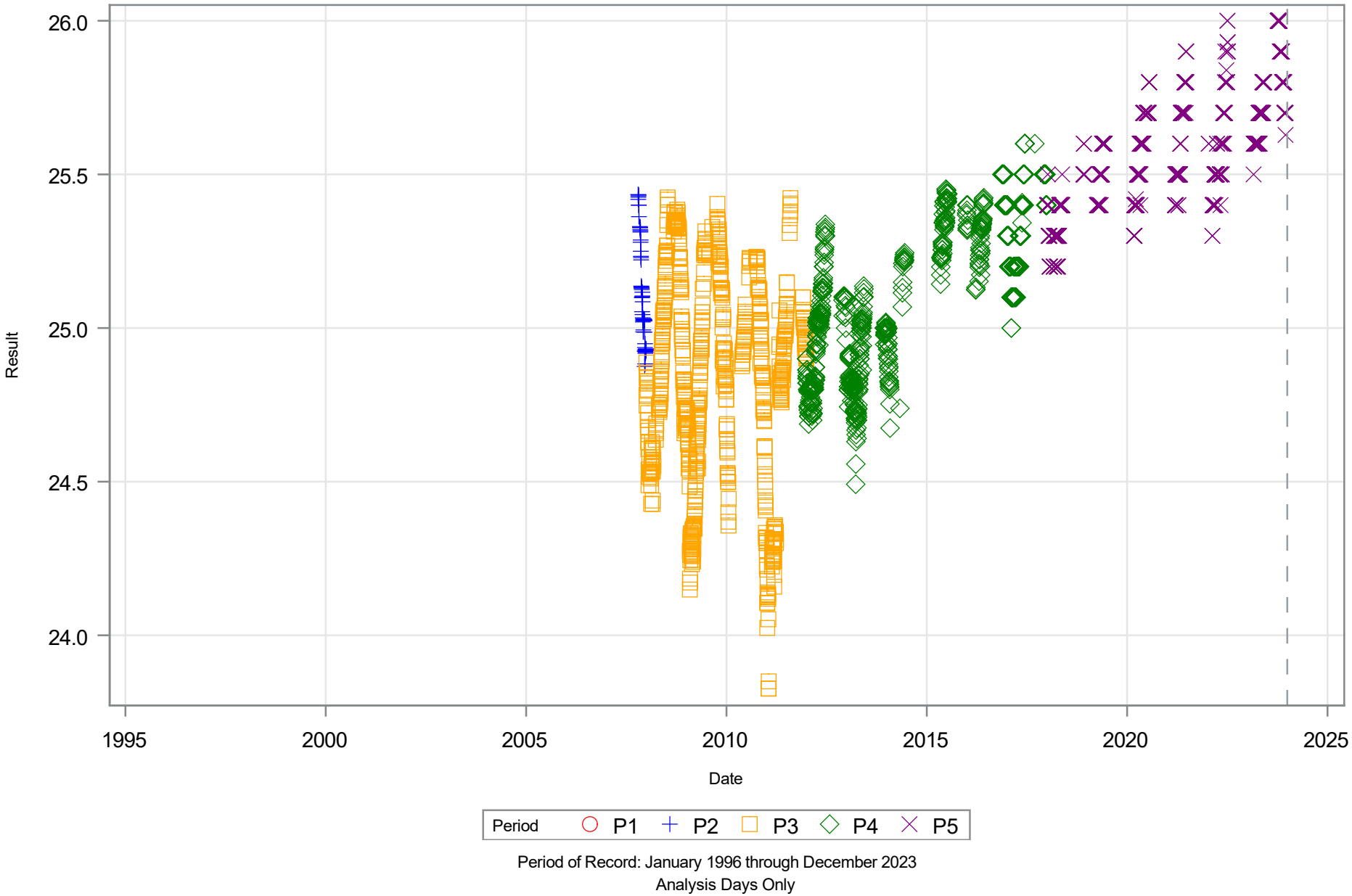
Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Rowlett 02304510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

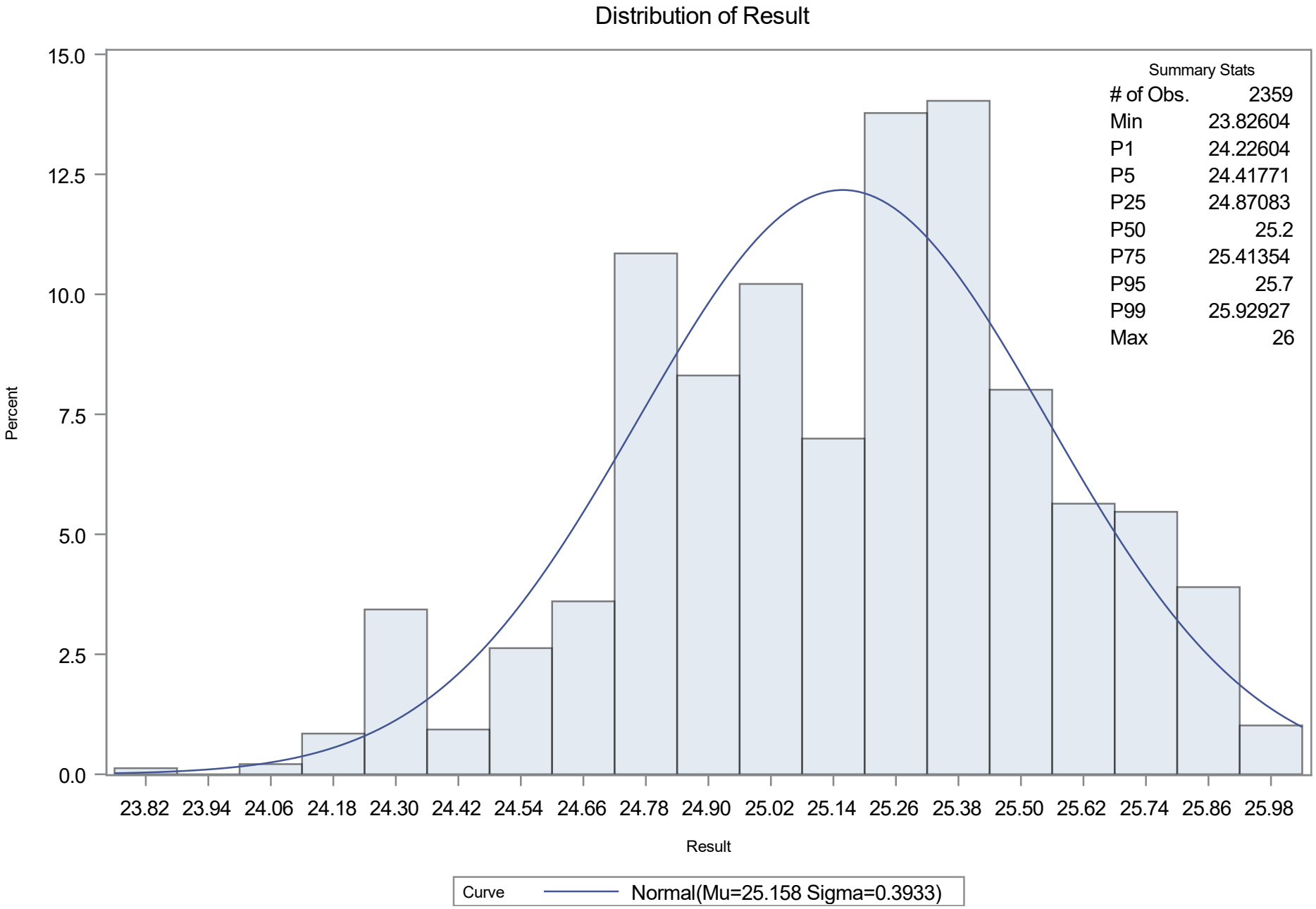
Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphr Springs Pool 02306000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphr Springs Pool 02306000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphr Springs Pool 02306000

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.15788
Std Dev	Sigma	0.393254

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06670310	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.33346432	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	8.60996987	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	24.2260	24.2430
5.0	24.4177	24.5110
10.0	24.6708	24.6539
25.0	24.8708	24.8926
50.0	25.2000	25.1579
75.0	25.4135	25.4231
90.0	25.7000	25.6619
95.0	25.7000	25.8047
99.0	25.9293	26.0727

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

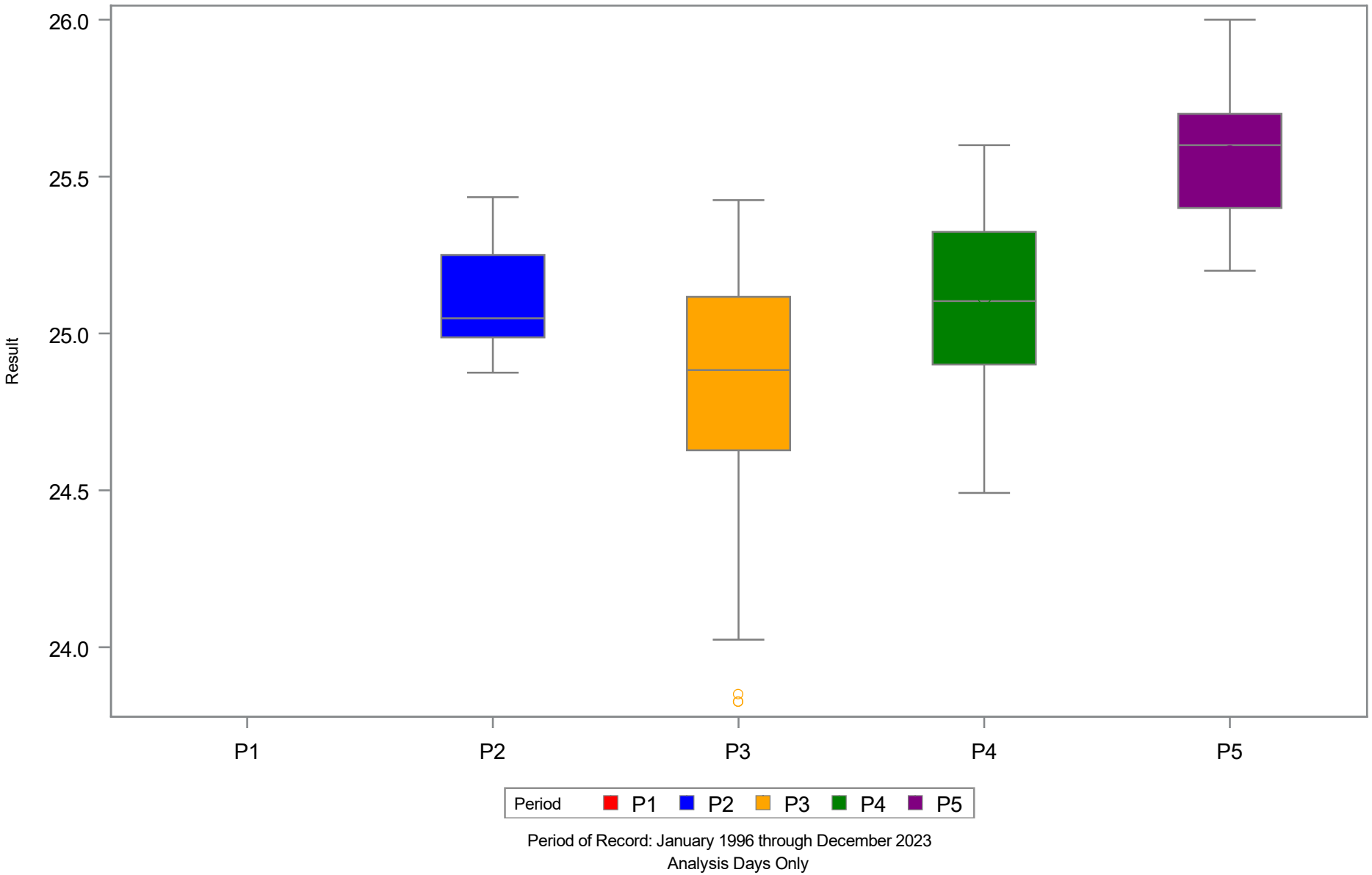
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphr Springs Pool 02306000

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	66	24.88	24.99	25.11	25.05	25.25	25.43
P3	828	23.83	24.63	24.85	24.88	25.12	25.43
P4	771	24.49	24.90	25.12	25.10	25.32	25.60
P5	694	25.20	25.40	25.58	25.60	25.70	26.00

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

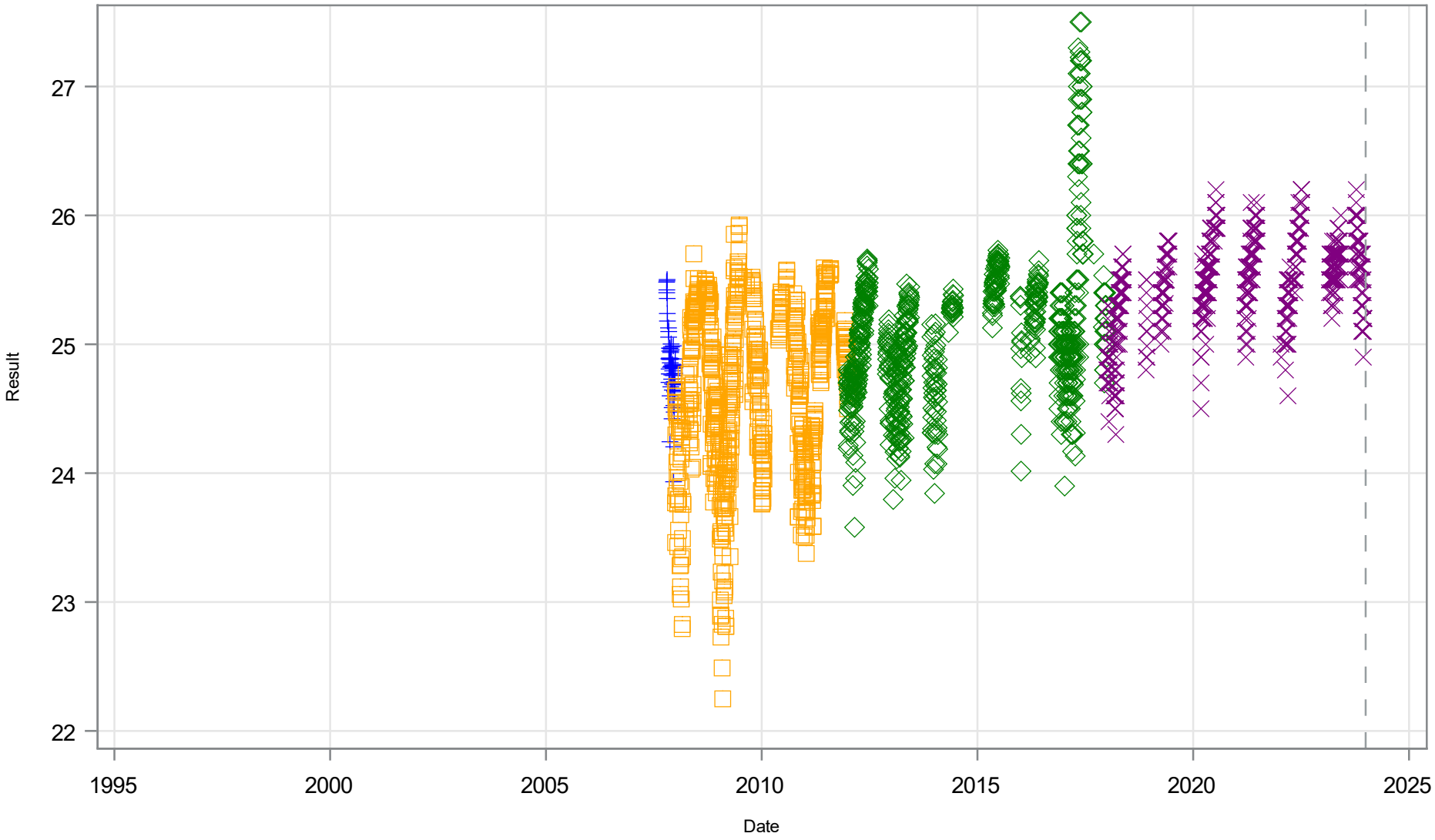
Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphr Springs Pool 02306000



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

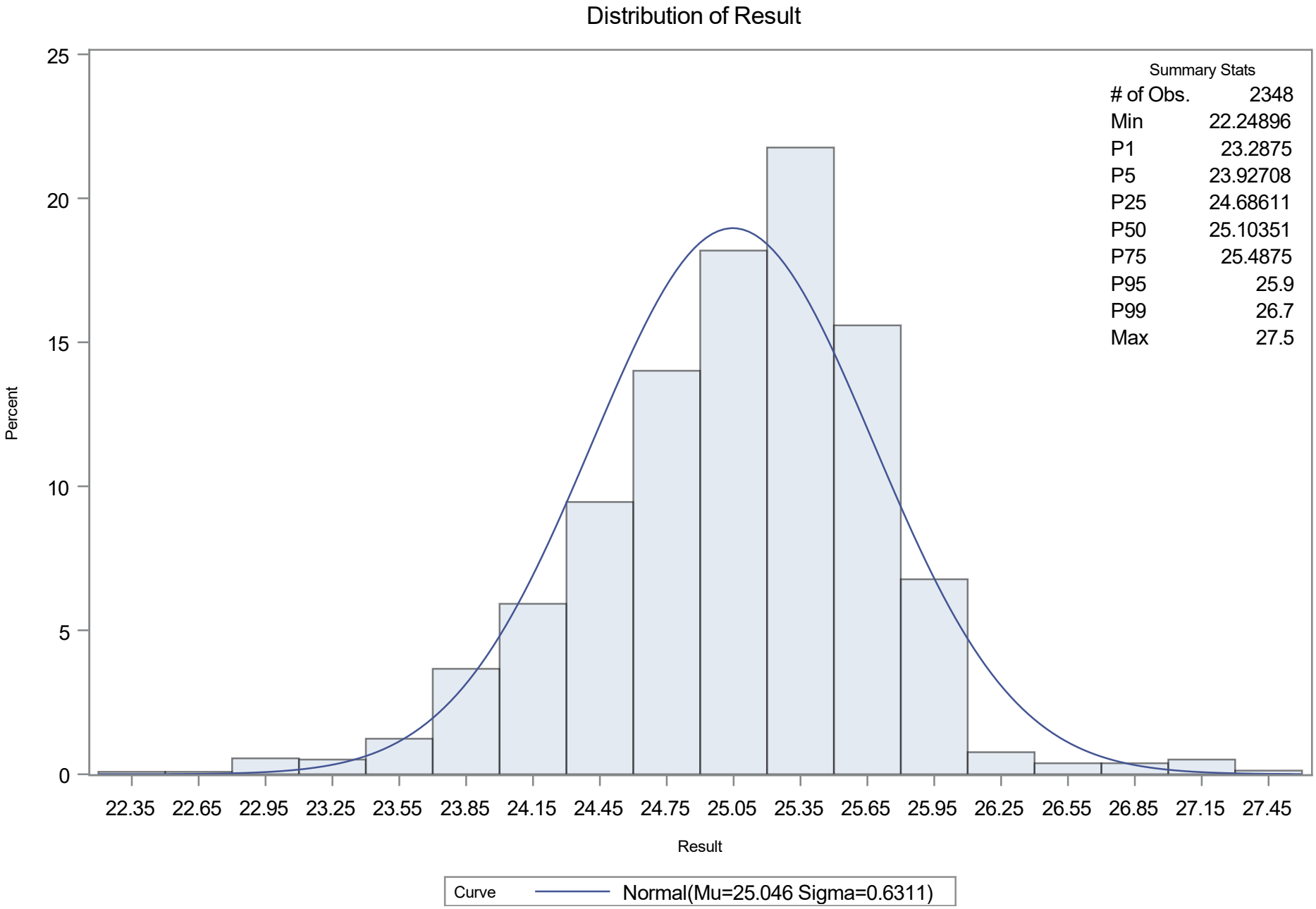
Timeseries of Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphur Springs Run 023060003



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphur Springs Run 023060003



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphur Springs Run 023060003

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	25.04608
Std Dev	Sigma	0.631089

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0607776	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.6500729	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	16.4337977	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	23.2875	23.5779
5.0	23.9271	24.0080
10.0	24.2198	24.2373
25.0	24.6861	24.6204
50.0	25.1035	25.0461
75.0	25.4875	25.4717
90.0	25.7000	25.8549
95.0	25.9000	26.0841
99.0	26.7000	26.5142

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

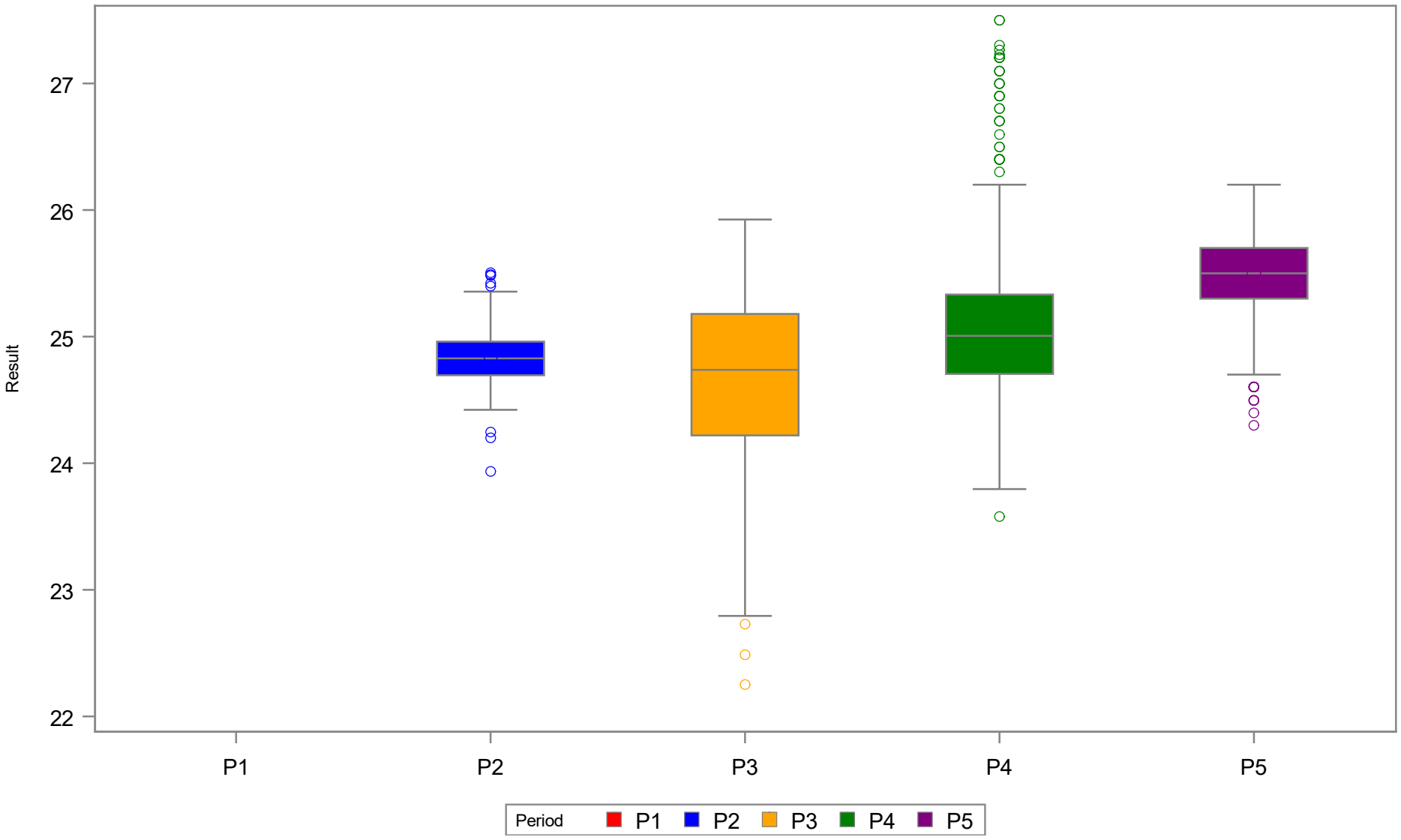
Distributional Statistics by Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphur Springs Run 023060003

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	66	23.93	24.69	24.84	24.83	24.96	25.50
P3	821	22.25	24.22	24.65	24.74	25.18	25.93
P4	765	23.58	24.71	25.07	25.01	25.33	27.50
P5	696	24.30	25.30	25.50	25.50	25.70	26.20

Period of Record: January 1996 through December 2023
Analysis Days Only

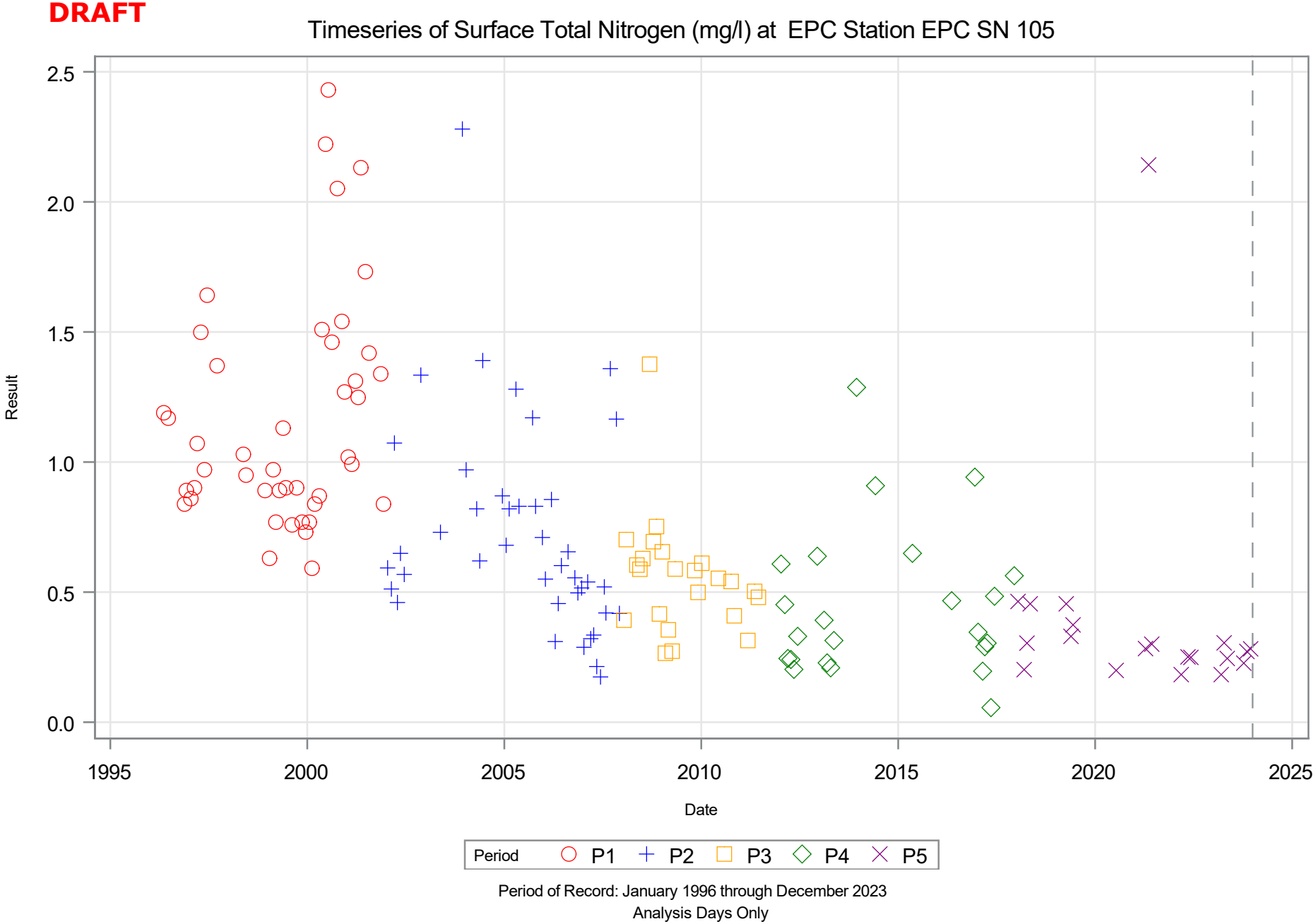
DRAFT

Boxplot by MFL Period for Surface Water Temperature Daily Avg (c) at USGS Station USGS Sulphur Springs Run 023060003



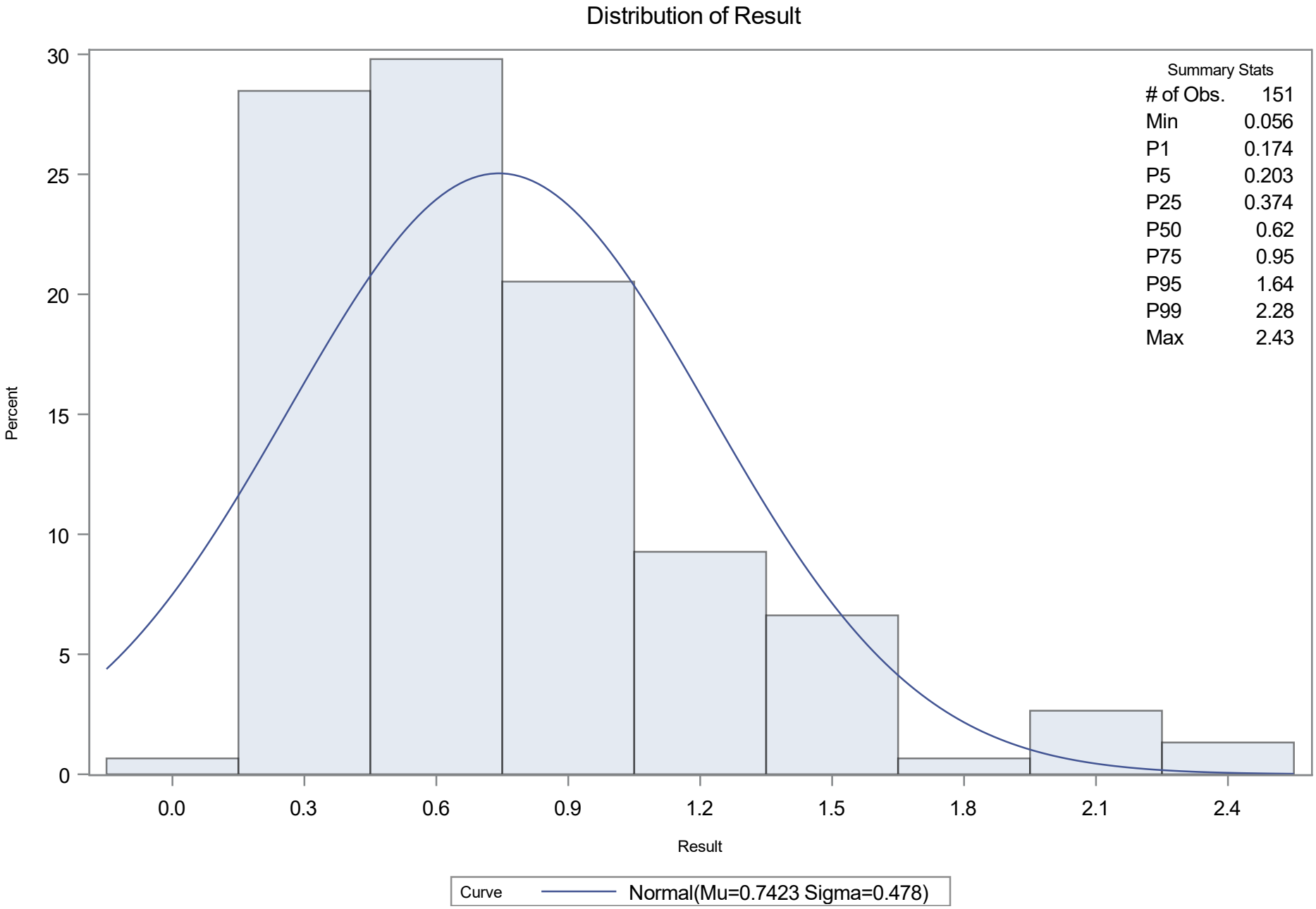
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 105
Result
2.5
2.0
1.5
1.0
0.5
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.742252
Std Dev	Sigma	0.477953

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12209443	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.63193349	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.06083488	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.17400	-0.36963
5.0	0.20300	-0.04391
10.0	0.24900	0.12973
25.0	0.37400	0.41988
50.0	0.62000	0.74225
75.0	0.95000	1.06463
90.0	1.37000	1.35477
95.0	1.64000	1.52841
99.0	2.28000	1.85414

Period of Record: January 1996 through December 2023
Analysis Days Only

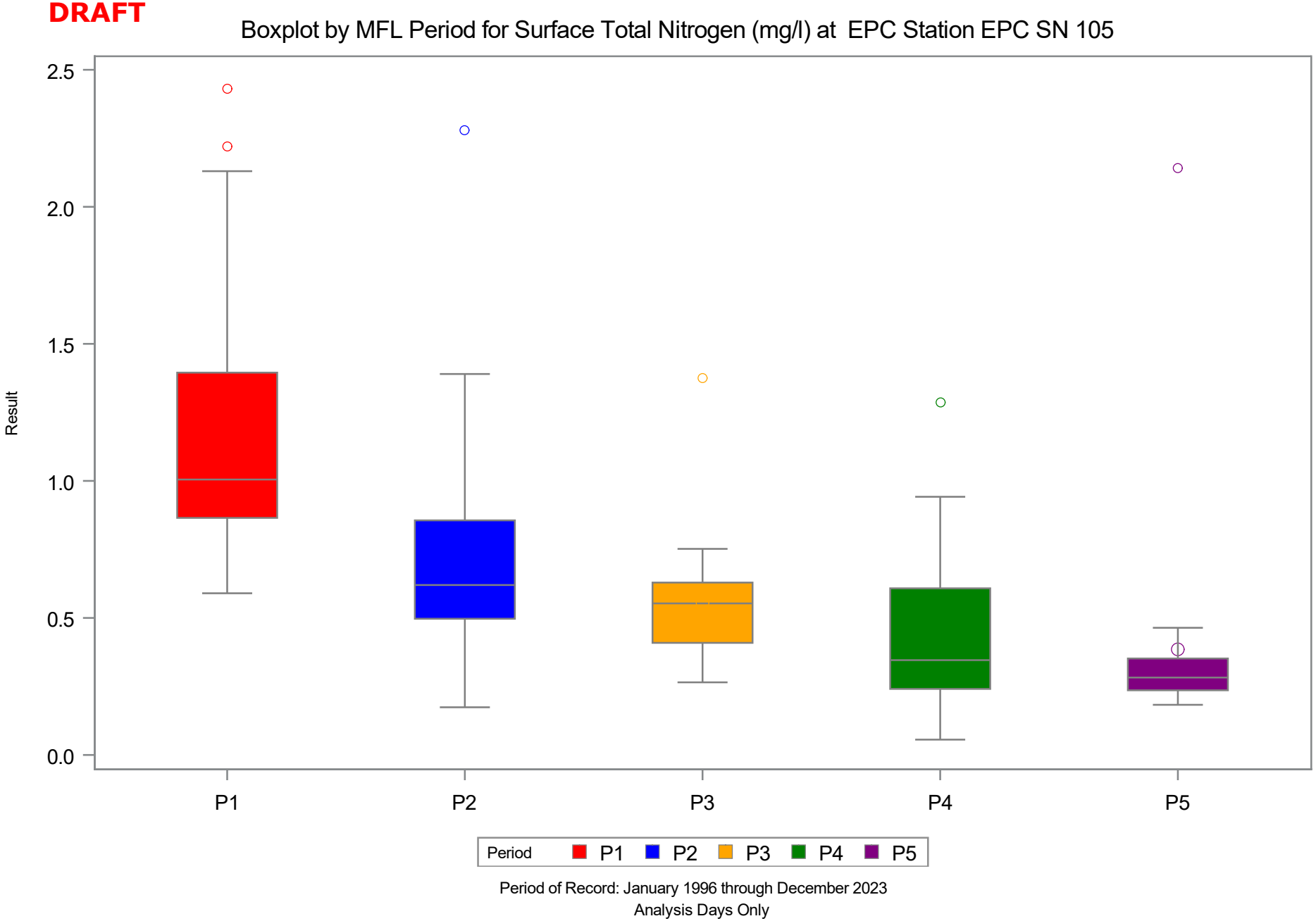
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 105

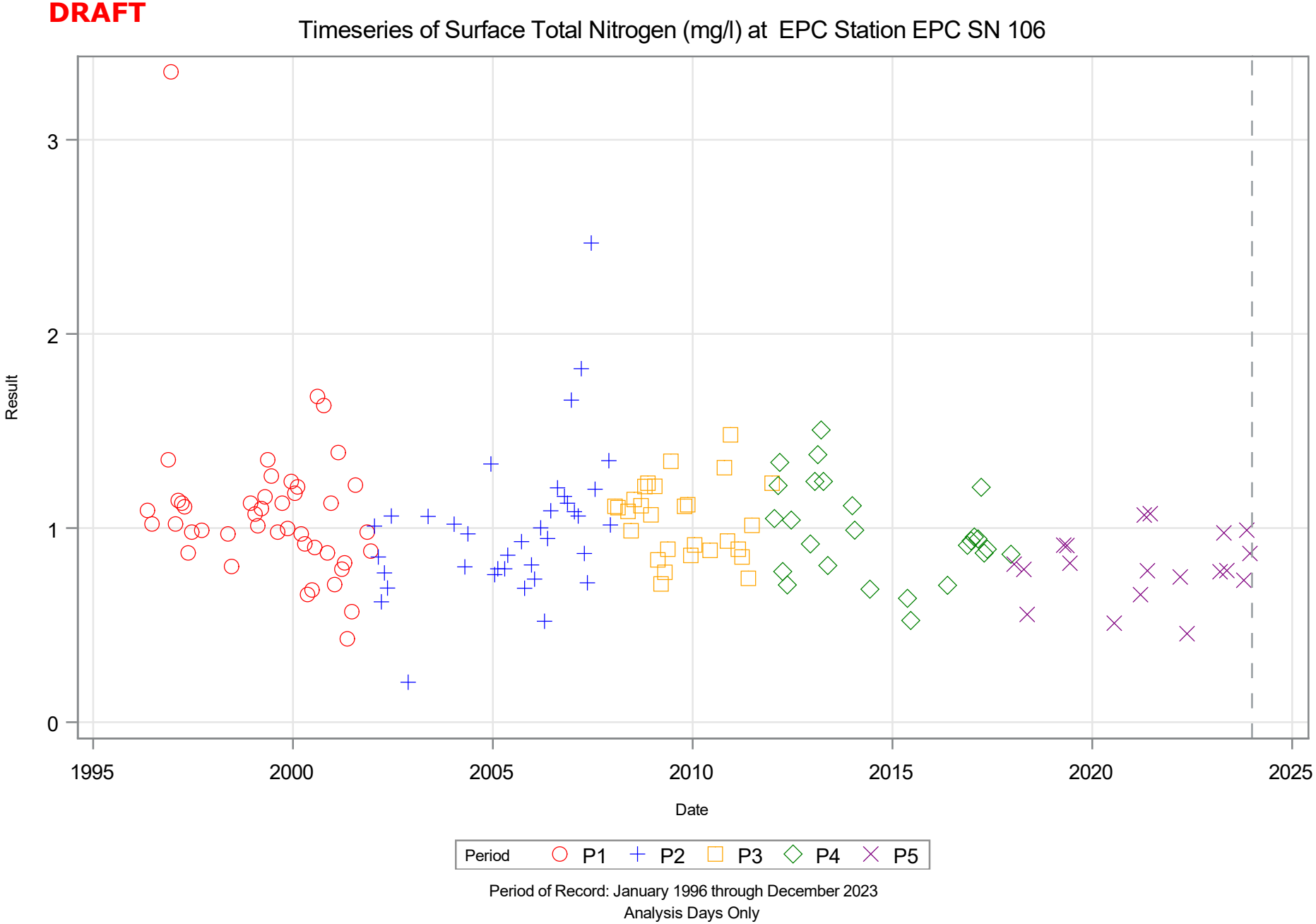
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.59	0.87	1.17	1.01	1.40	2.43
P2	41	0.17	0.50	0.73	0.62	0.86	2.28
P3	23	0.27	0.41	0.56	0.55	0.63	1.38
P4	23	0.06	0.24	0.45	0.35	0.61	1.29
P5	20	0.18	0.24	0.39	0.28	0.35	2.14

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

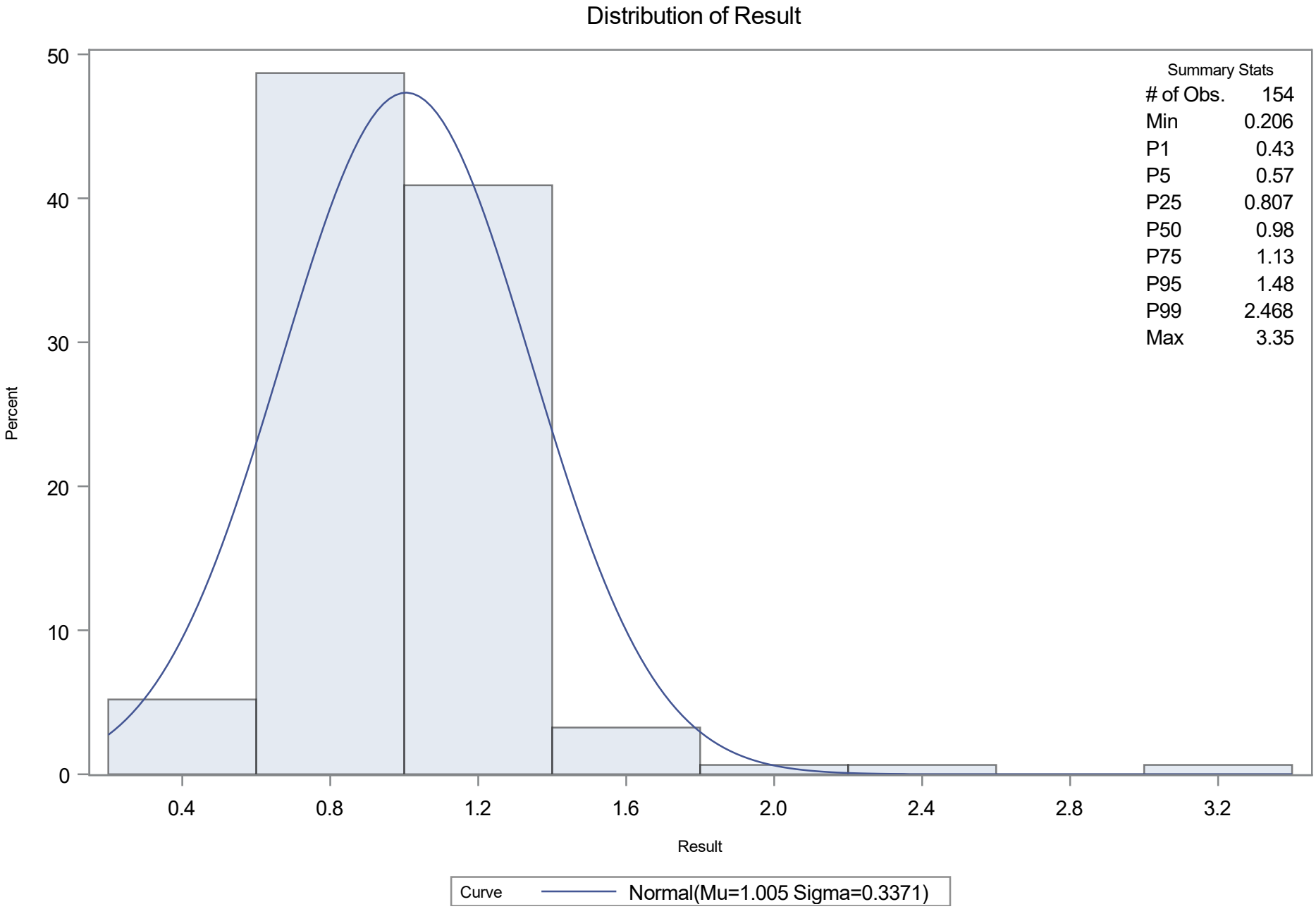

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 105
Result
2.5
2.0
1.5
1.0
0.5
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 106
Result
0
1
2
3
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.005014
Std Dev	Sigma	0.337109

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12599830	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.62548019	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.10174377	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.43000	0.22078
5.0	0.57000	0.45052
10.0	0.69100	0.57299
25.0	0.80700	0.77764
50.0	0.98000	1.00501
75.0	1.13000	1.23239
90.0	1.33000	1.43704
95.0	1.48000	1.55951
99.0	2.46800	1.78925

Period of Record: January 1996 through December 2023
Analysis Days Only

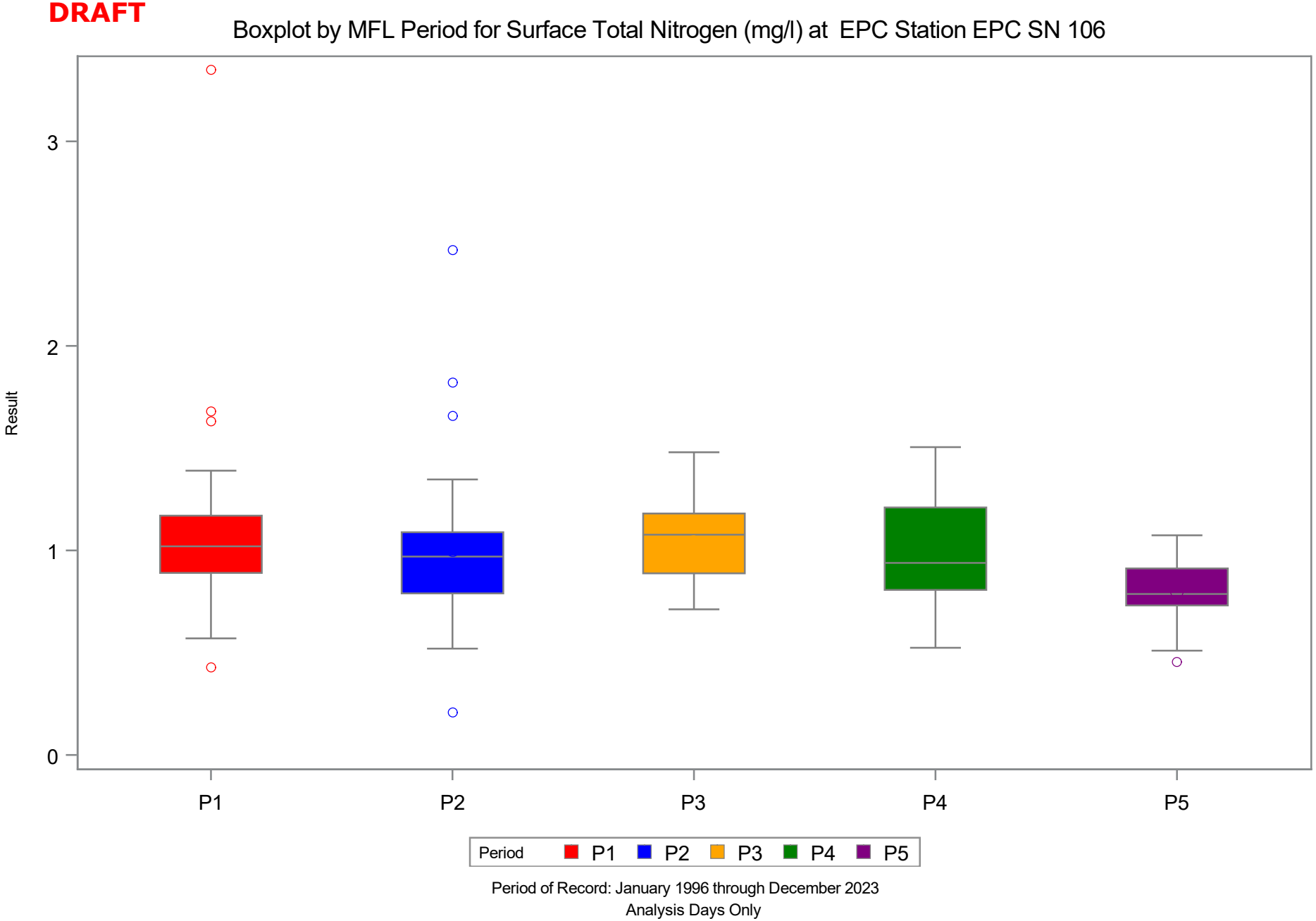
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 106

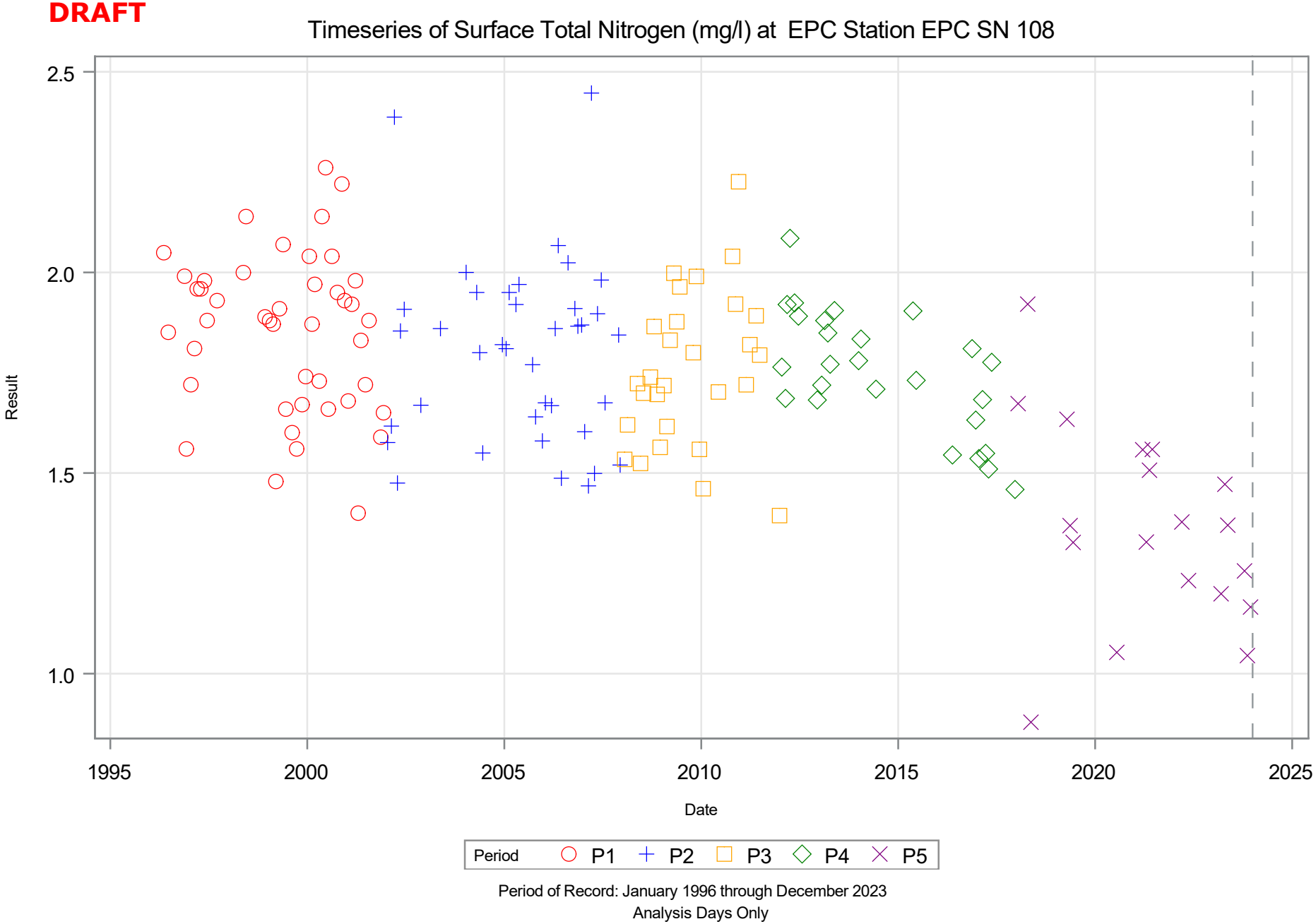
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.43	0.89	1.09	1.02	1.17	3.35
P2	37	0.21	0.79	1.00	0.97	1.09	2.47
P3	28	0.71	0.89	1.04	1.08	1.18	1.48
P4	26	0.52	0.81	0.98	0.94	1.21	1.51
P5	19	0.46	0.73	0.80	0.79	0.91	1.07

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

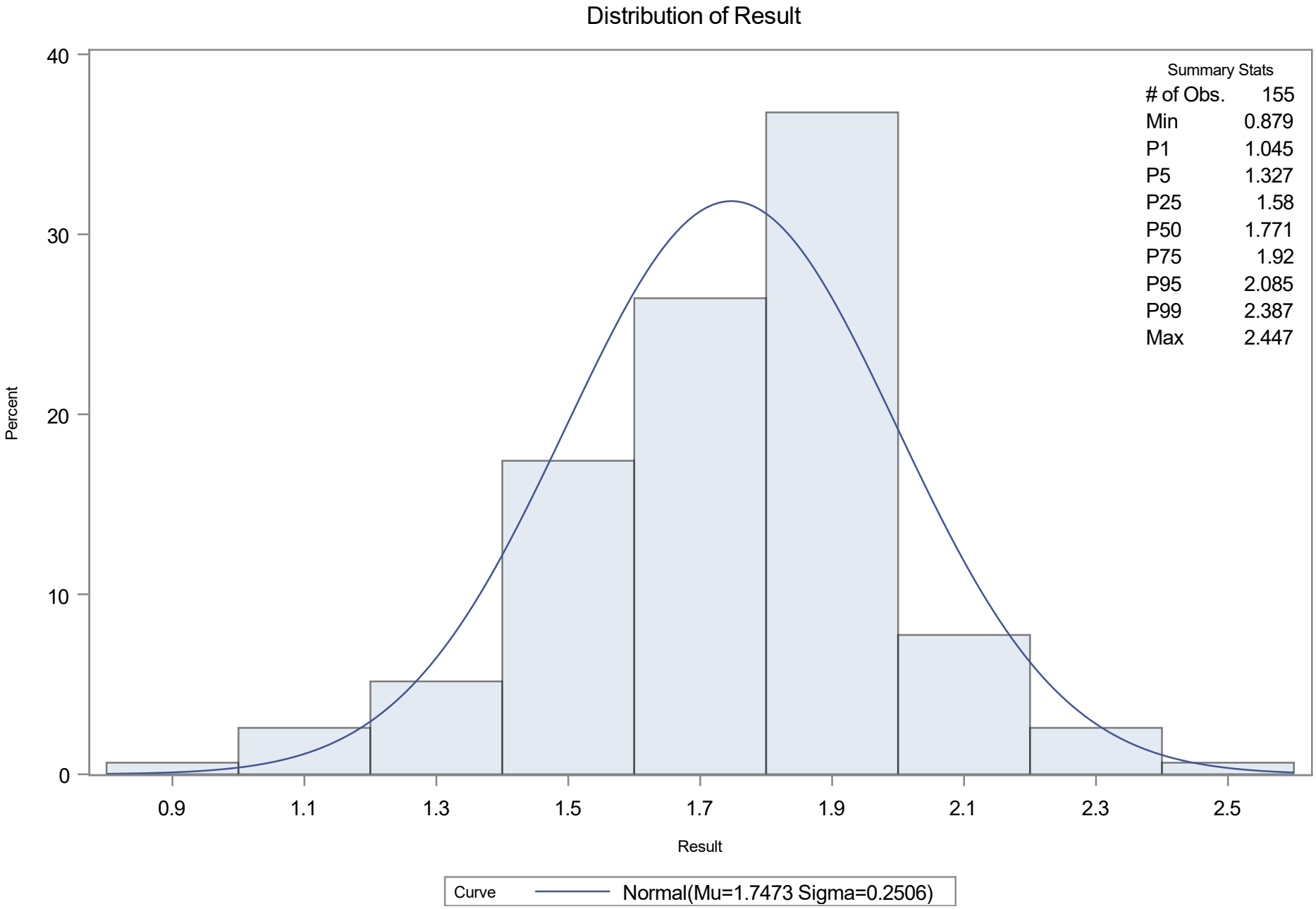

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 106
Result
0
1
2
3
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 108
Result
2.5
2.0
1.5
1.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.74731
Std Dev	Sigma	0.250551

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.06403126	**Pr > D**	0.121
Cramer-von Mises	**W-Sq**	0.14655960	**Pr > W-Sq**	0.026
Anderson-Darling	**A-Sq**	0.95549736	**Pr > A-Sq**	0.017

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.04500	1.16444
5.0	1.32700	1.33519
10.0	1.46100	1.42622
25.0	1.58000	1.57832
50.0	1.77100	1.74731
75.0	1.92000	1.91630
90.0	2.00000	2.06840
95.0	2.08500	2.15943
99.0	2.38700	2.33018

Period of Record: January 1996 through December 2023
Analysis Days Only

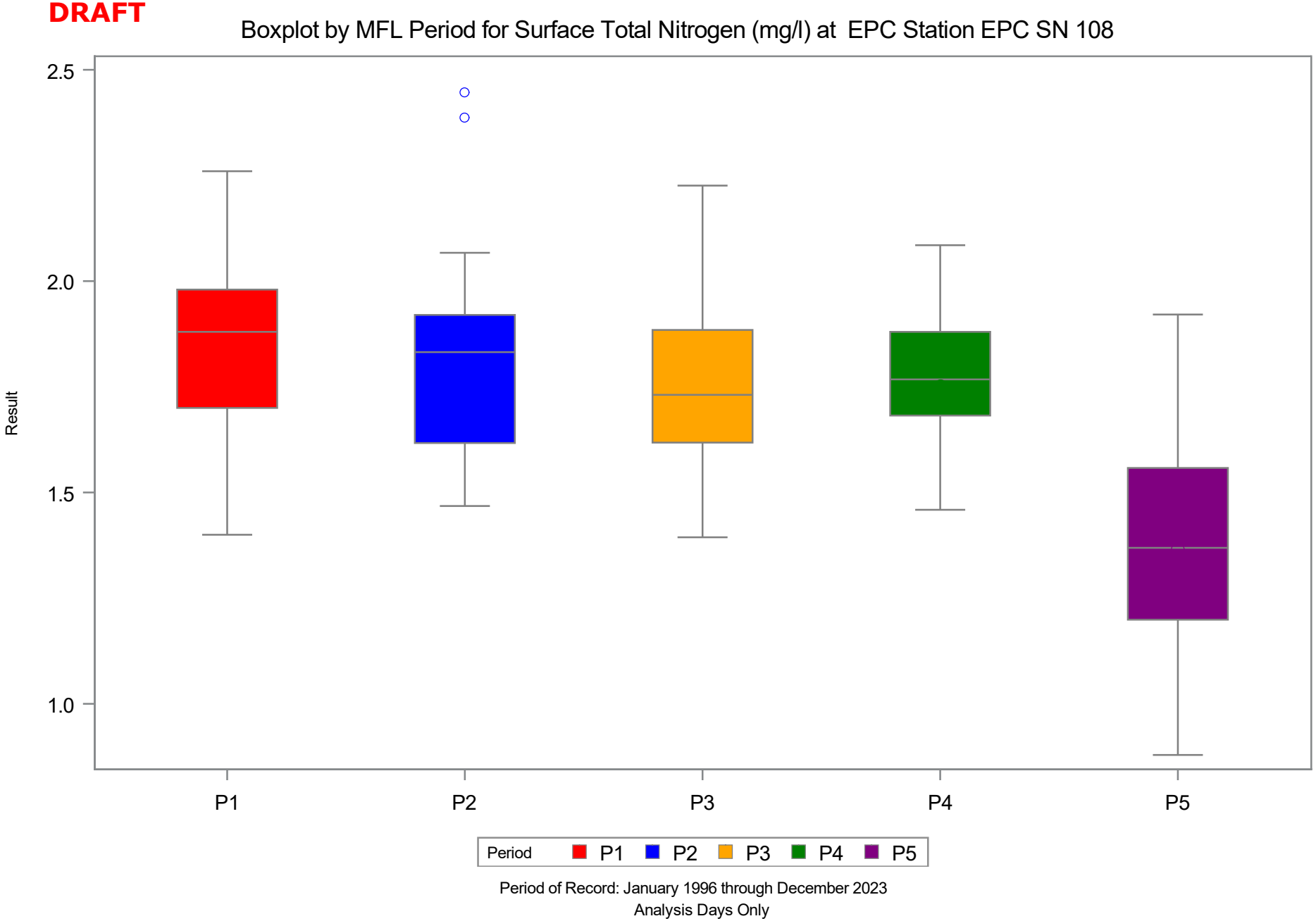
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 108

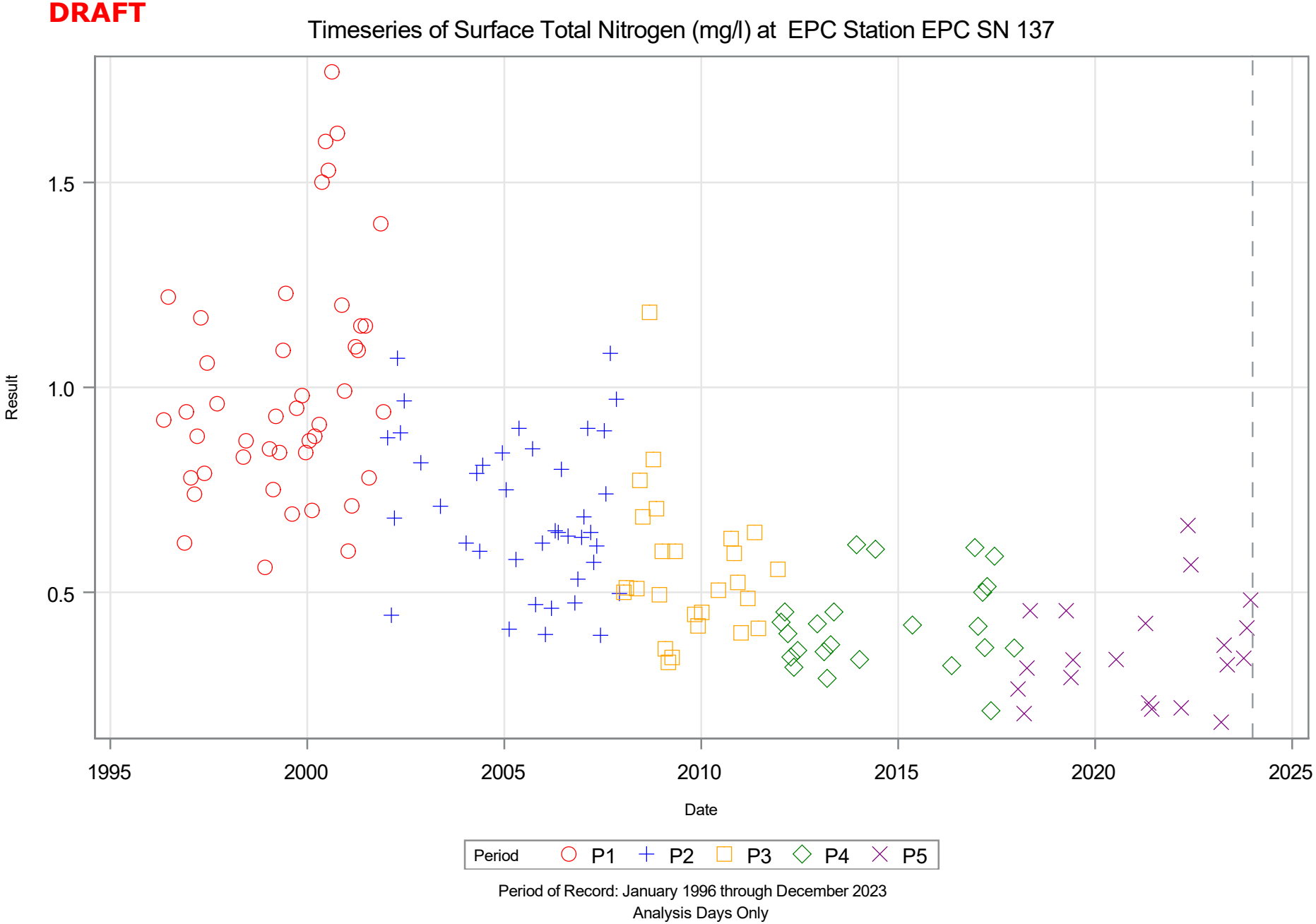
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	1.40	1.70	1.86	1.88	1.98	2.26
P2	38	1.47	1.62	1.80	1.83	1.92	2.45
P3	28	1.39	1.62	1.76	1.73	1.88	2.23
P4	26	1.46	1.68	1.75	1.77	1.88	2.09
P5	19	0.88	1.20	1.36	1.37	1.56	1.92

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

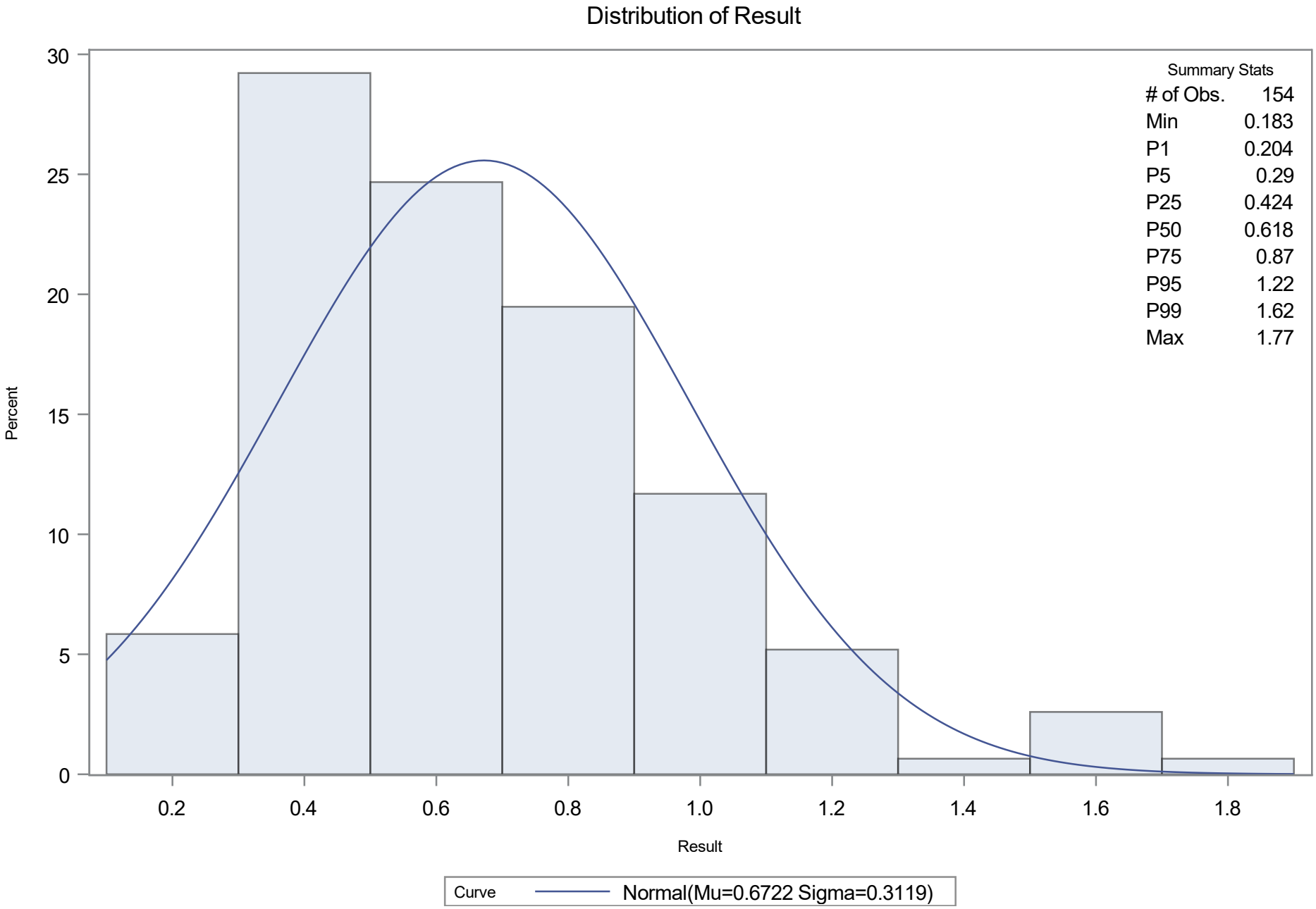

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 108
Result
2.5
2.0
1.5
1.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 137
Result
1.5
1.0
0.5
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.672221
Std Dev	Sigma	0.31194

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09332938	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.32169492	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.18288455	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20400	-0.05346
5.0	0.29000	0.15913
10.0	0.33600	0.27245
25.0	0.42400	0.46182
50.0	0.61800	0.67222
75.0	0.87000	0.88262
90.0	1.09000	1.07199
95.0	1.22000	1.18532
99.0	1.62000	1.39790

Period of Record: January 1996 through December 2023
Analysis Days Only

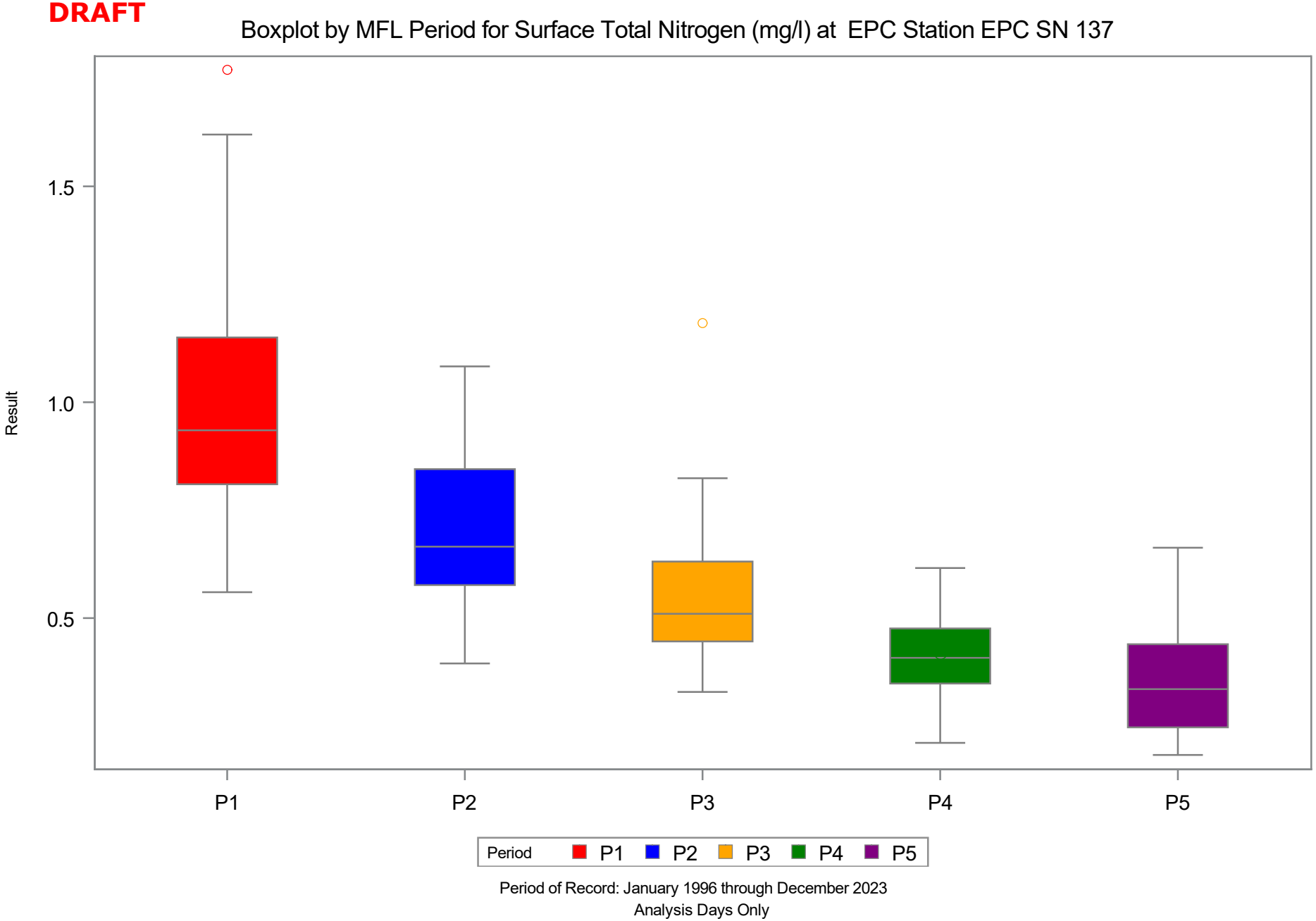
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 137

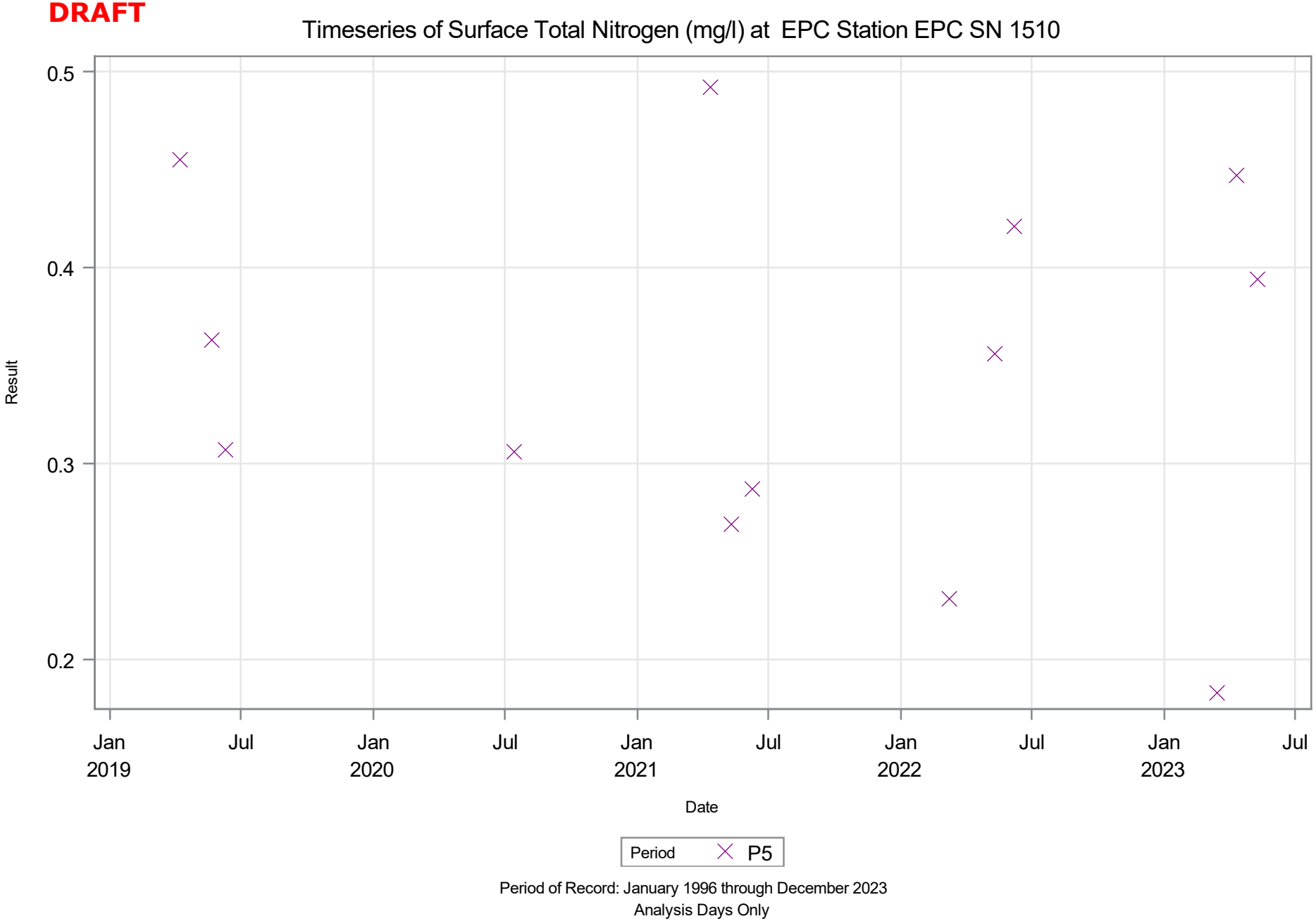
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.56	0.81	1.00	0.94	1.15	1.77
P2	40	0.40	0.58	0.70	0.67	0.85	1.08
P3	26	0.33	0.45	0.56	0.51	0.63	1.18
P4	24	0.21	0.35	0.42	0.41	0.48	0.62
P5	20	0.18	0.25	0.35	0.34	0.44	0.66

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

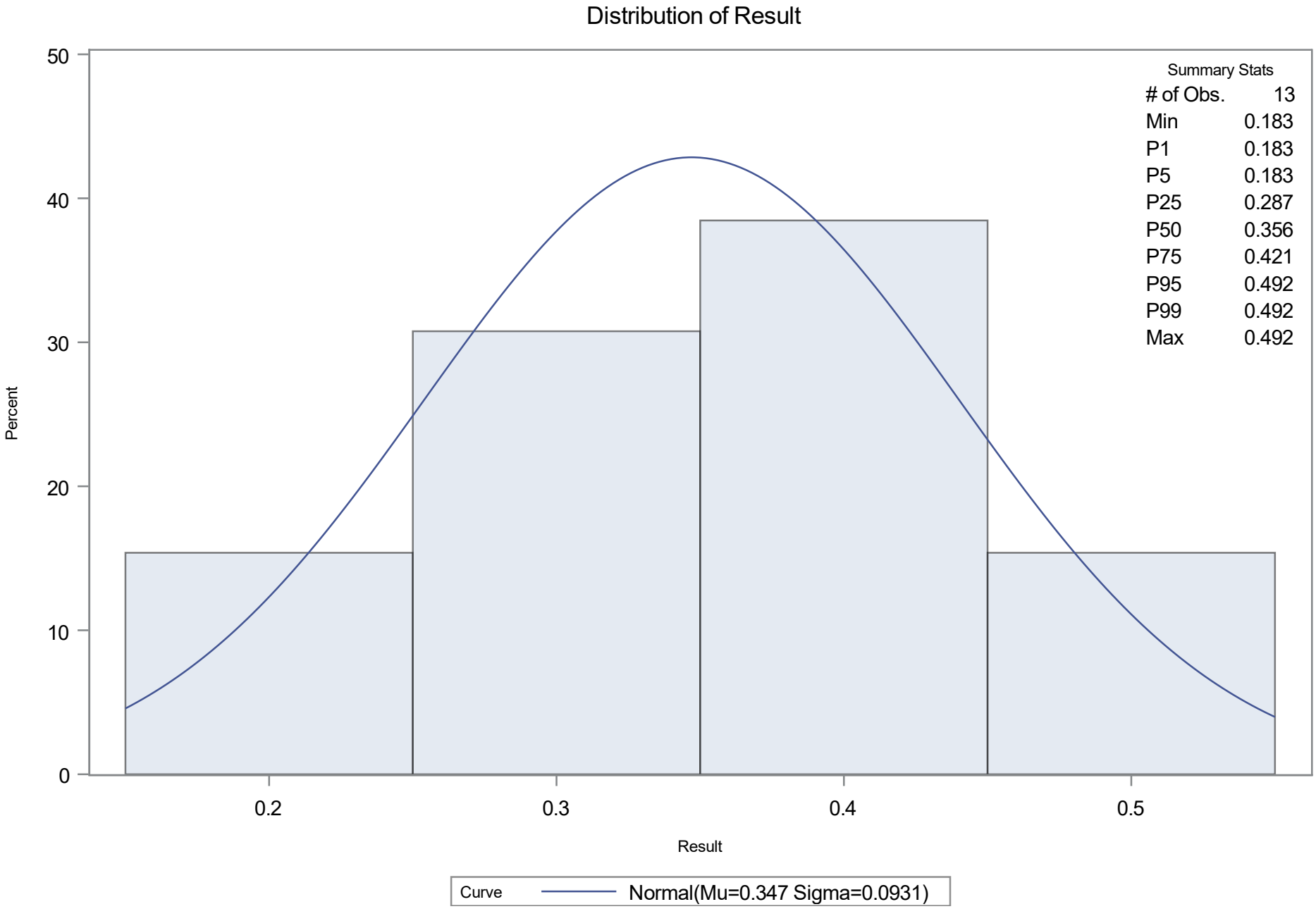

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 137
Result
1.5
1.0
0.5
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 1510
0.5
0.4
0.3
0.2
Result
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.347
Std Dev	Sigma	0.093107

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12779918	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02423105	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.15996982	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.18300	0.13040
5.0	0.18300	0.19385
10.0	0.23100	0.22768
25.0	0.28700	0.28420
50.0	0.35600	0.34700
75.0	0.42100	0.40980
90.0	0.45500	0.46632
95.0	0.49200	0.50015
99.0	0.49200	0.56360

Period of Record: January 1996 through December 2023
Analysis Days Only

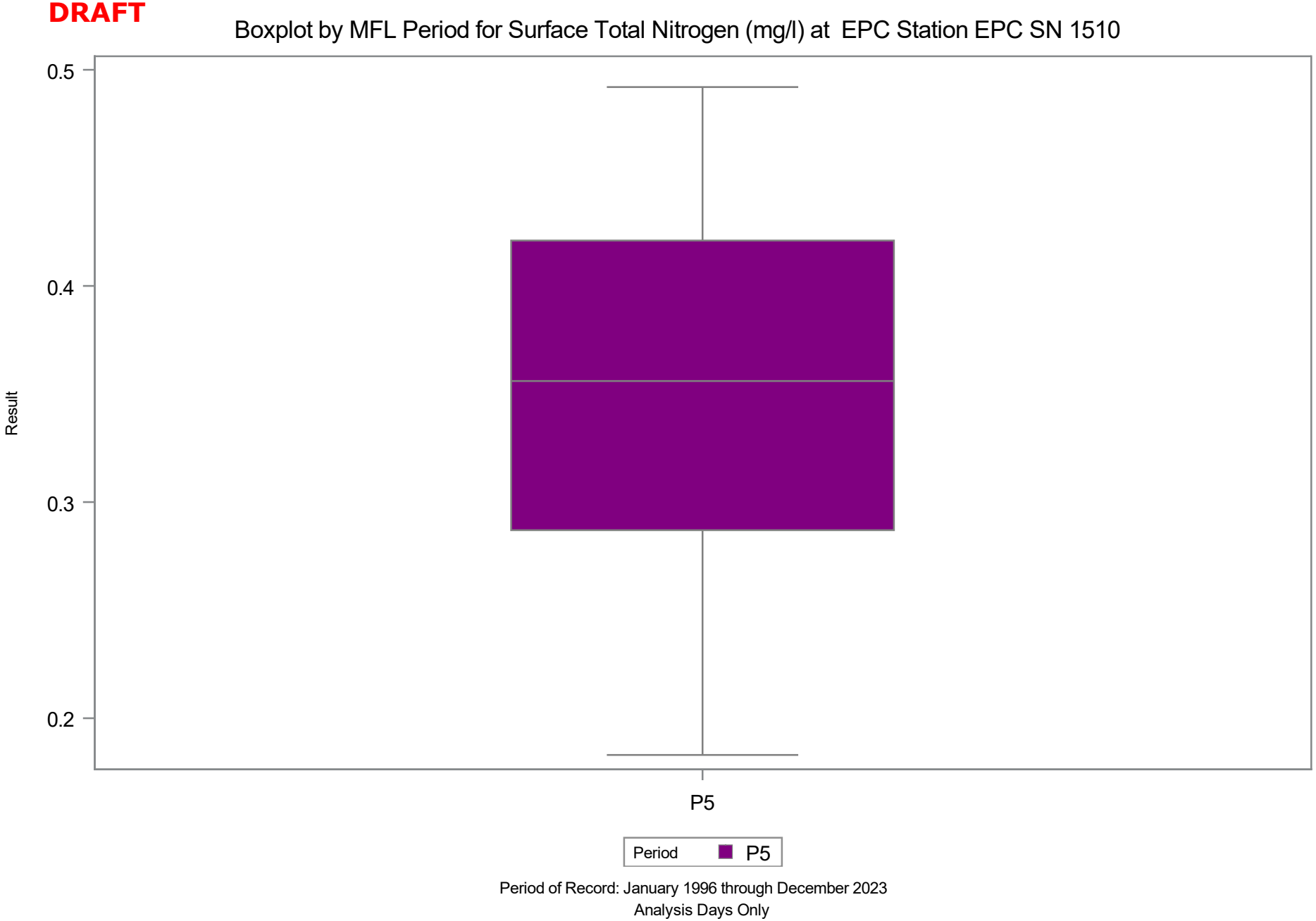
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 1510

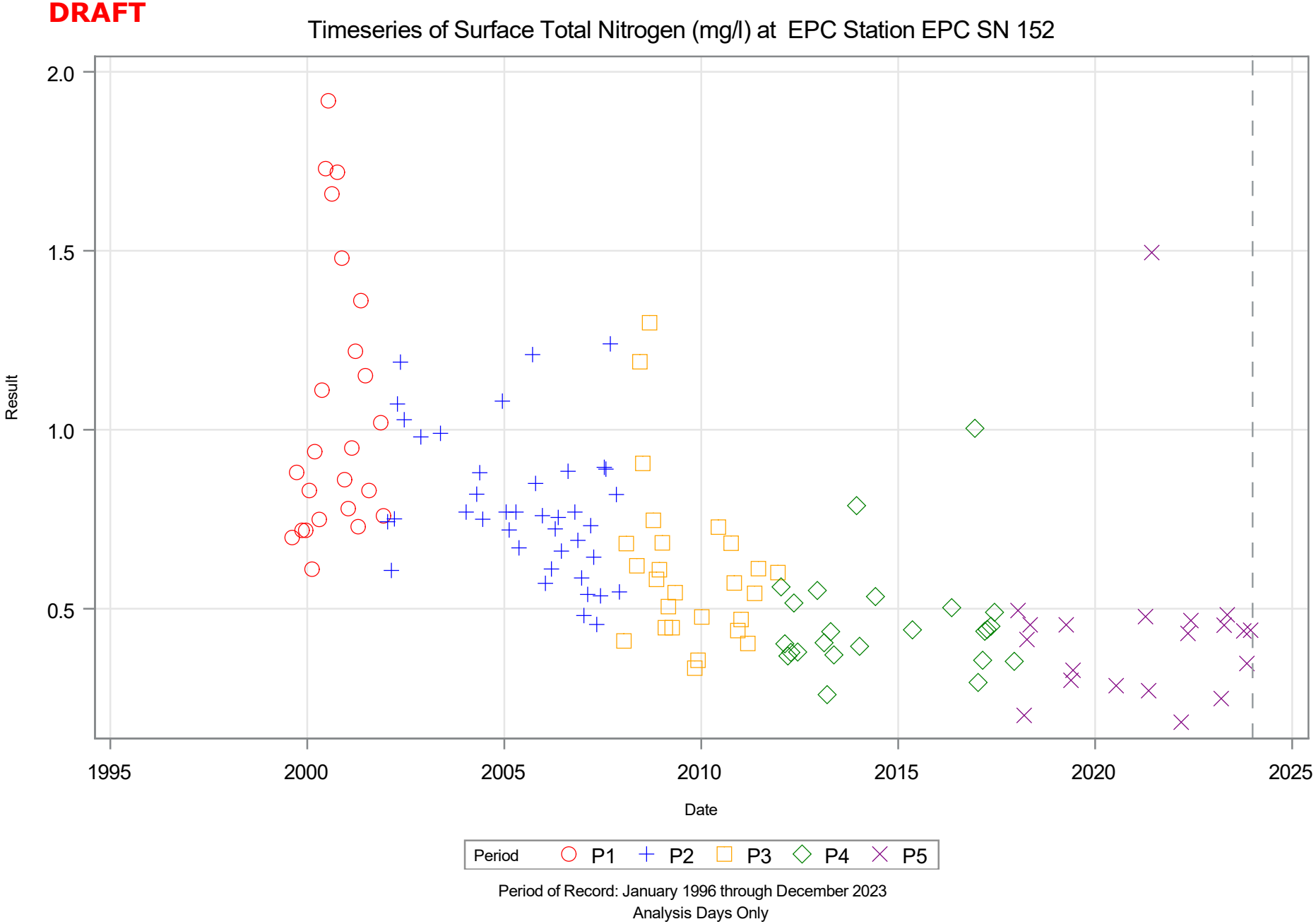
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	0.18	0.29	0.35	0.36	0.42	0.49

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

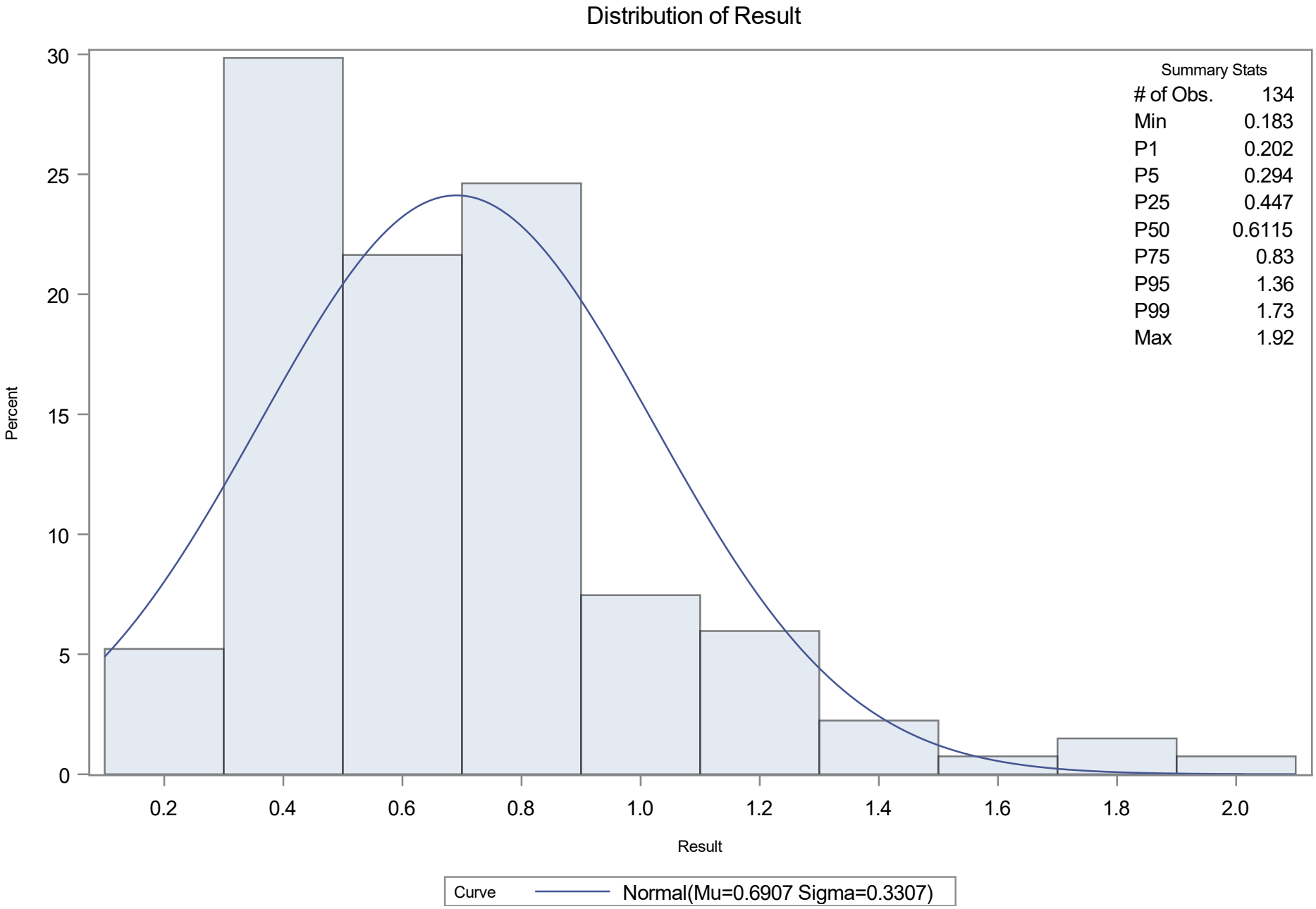

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 1510
0.5
0.4
0.3
0.2
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 152
Result
2.0
1.5
1.0
0.5
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.690664
Std Dev	Sigma	0.330749

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12163450	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.53043503	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.38026373	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20200	-0.07877
5.0	0.29400	0.14663
10.0	0.35600	0.26679
25.0	0.44700	0.46758
50.0	0.61150	0.69066
75.0	0.83000	0.91375
90.0	1.15000	1.11454
95.0	1.36000	1.23470
99.0	1.73000	1.46010

Period of Record: January 1996 through December 2023
Analysis Days Only

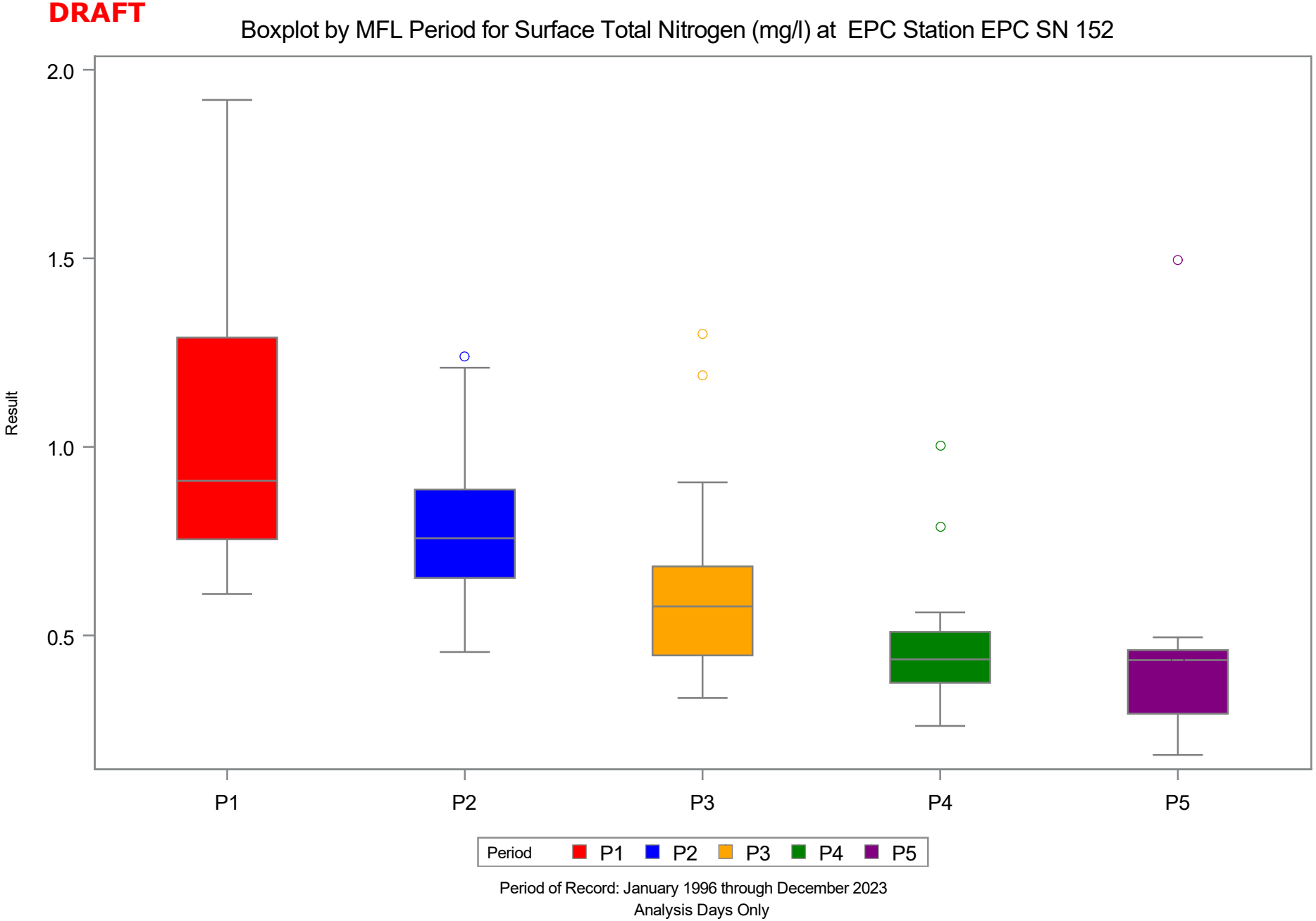
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 152

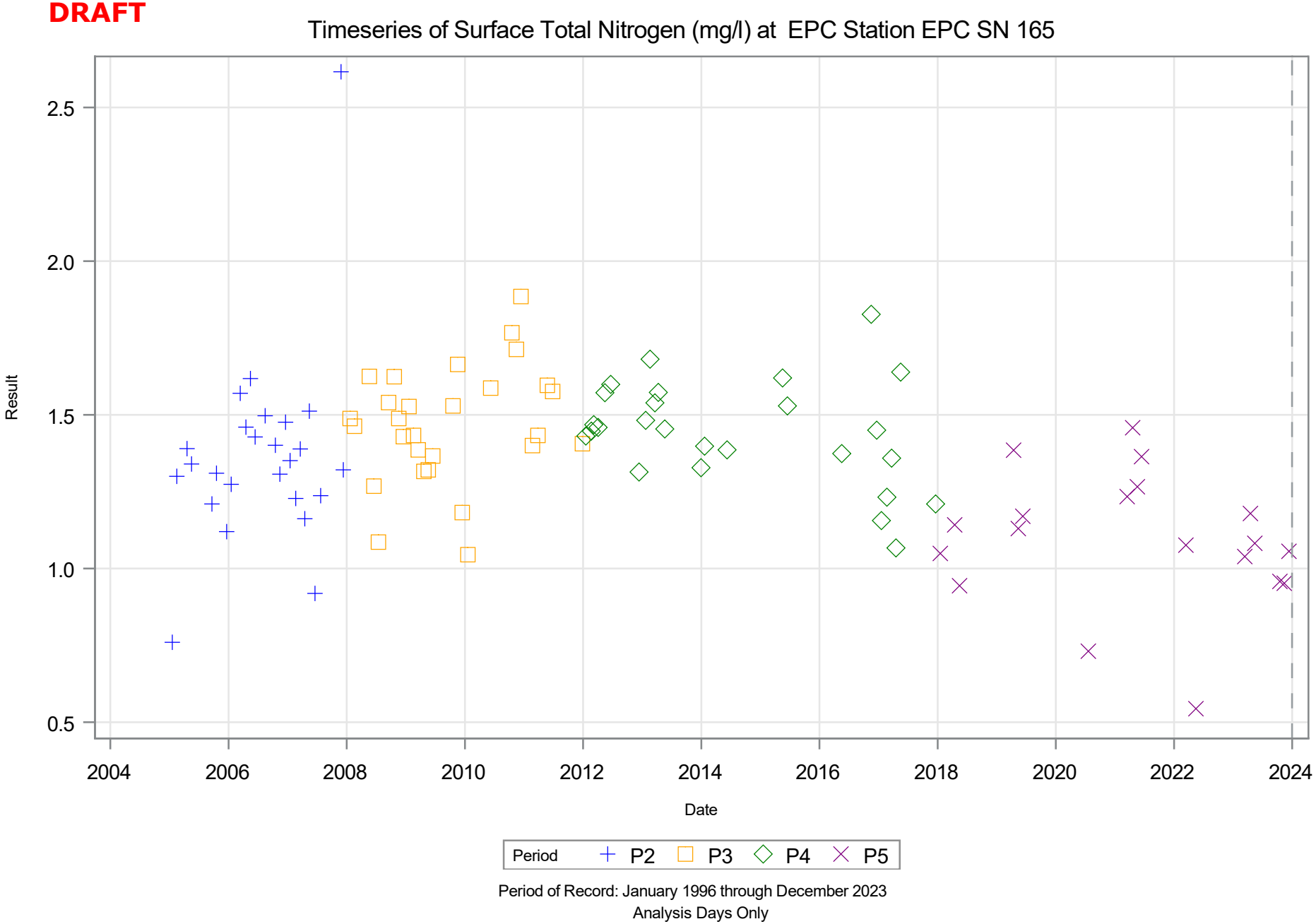
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	0.61	0.76	1.06	0.91	1.29	1.92
P2	40	0.46	0.65	0.79	0.76	0.89	1.24
P3	26	0.33	0.45	0.61	0.58	0.68	1.30
P4	24	0.26	0.37	0.46	0.44	0.51	1.00
P5	20	0.18	0.29	0.43	0.43	0.46	1.50

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

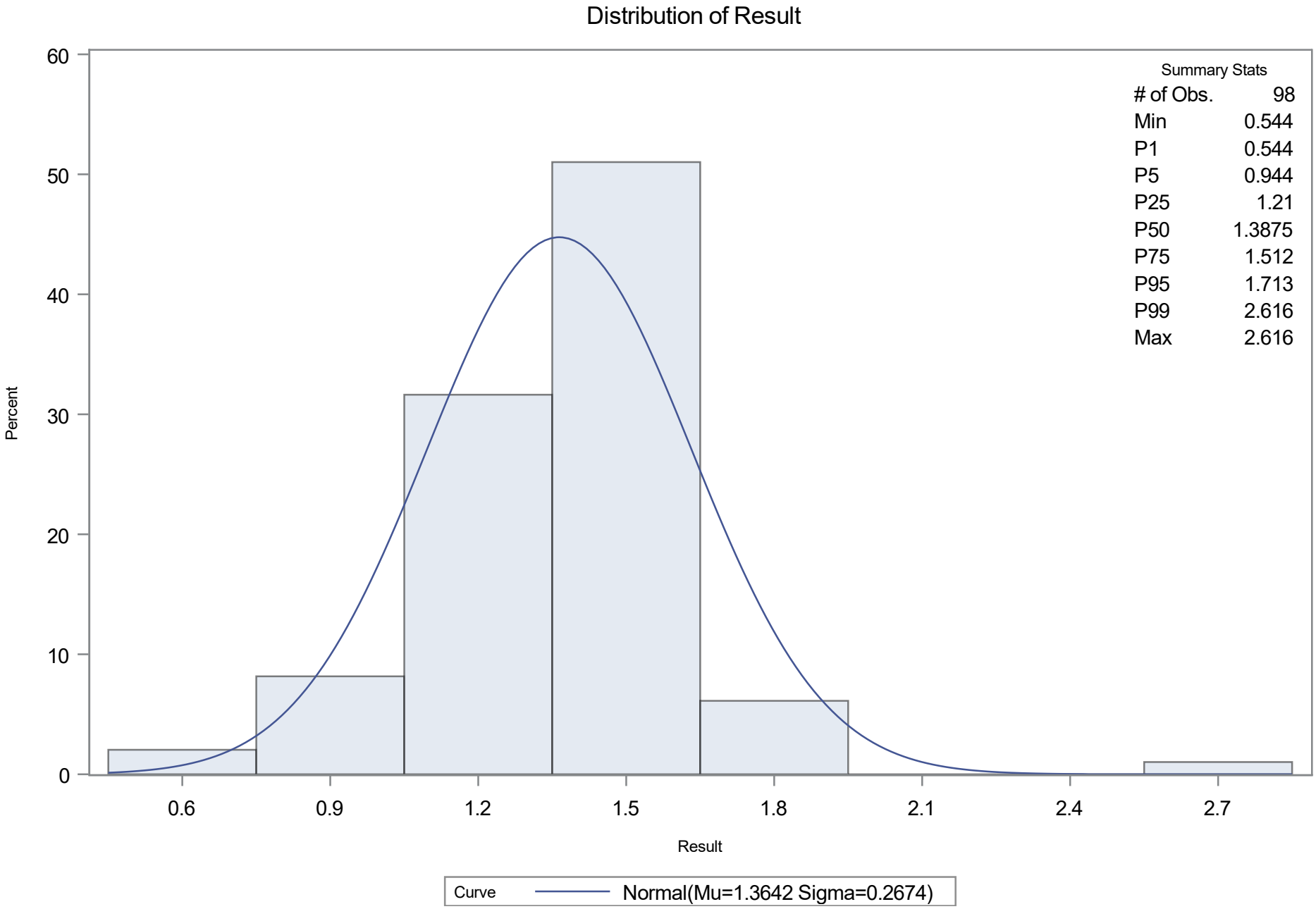

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 152
Result
2.0
1.5
1.0
0.5
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 165
Result
2.5
2.0
1.5
1.0
0.5
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.364204
Std Dev	Sigma	0.267402

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.08307401	**Pr > D**	0.094
Cramer-von Mises	**W-Sq**	0.16131826	**Pr > W-Sq**	0.018
Anderson-Darling	**A-Sq**	1.08557052	**Pr > A-Sq**	0.008

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.54400	0.74213
5.0	0.94400	0.92437
10.0	1.04900	1.02151
25.0	1.21000	1.18384
50.0	1.38750	1.36420
75.0	1.51200	1.54456
90.0	1.62400	1.70689
95.0	1.71300	1.80404
99.0	2.61600	1.98627

Period of Record: January 1996 through December 2023
Analysis Days Only

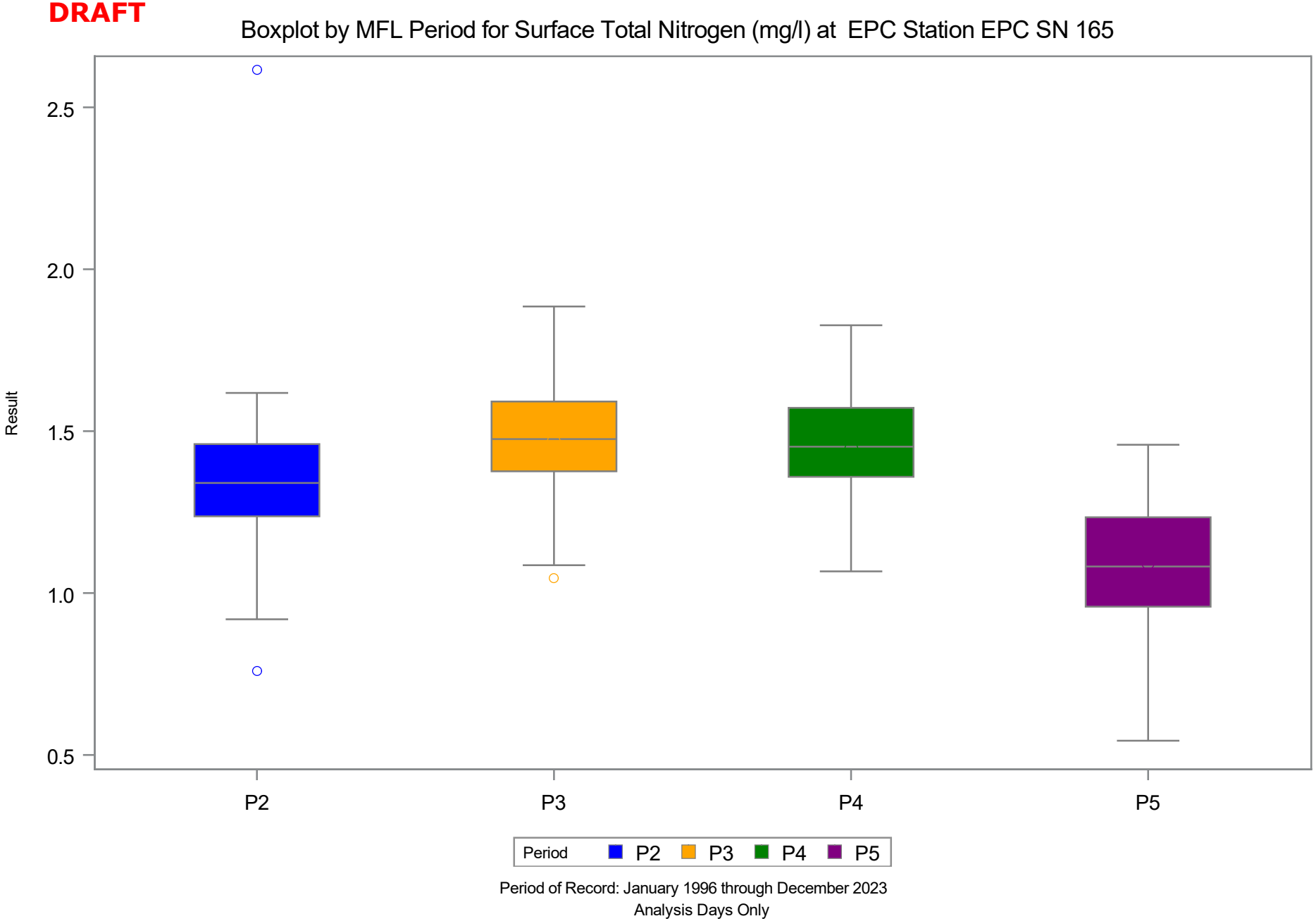
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 165

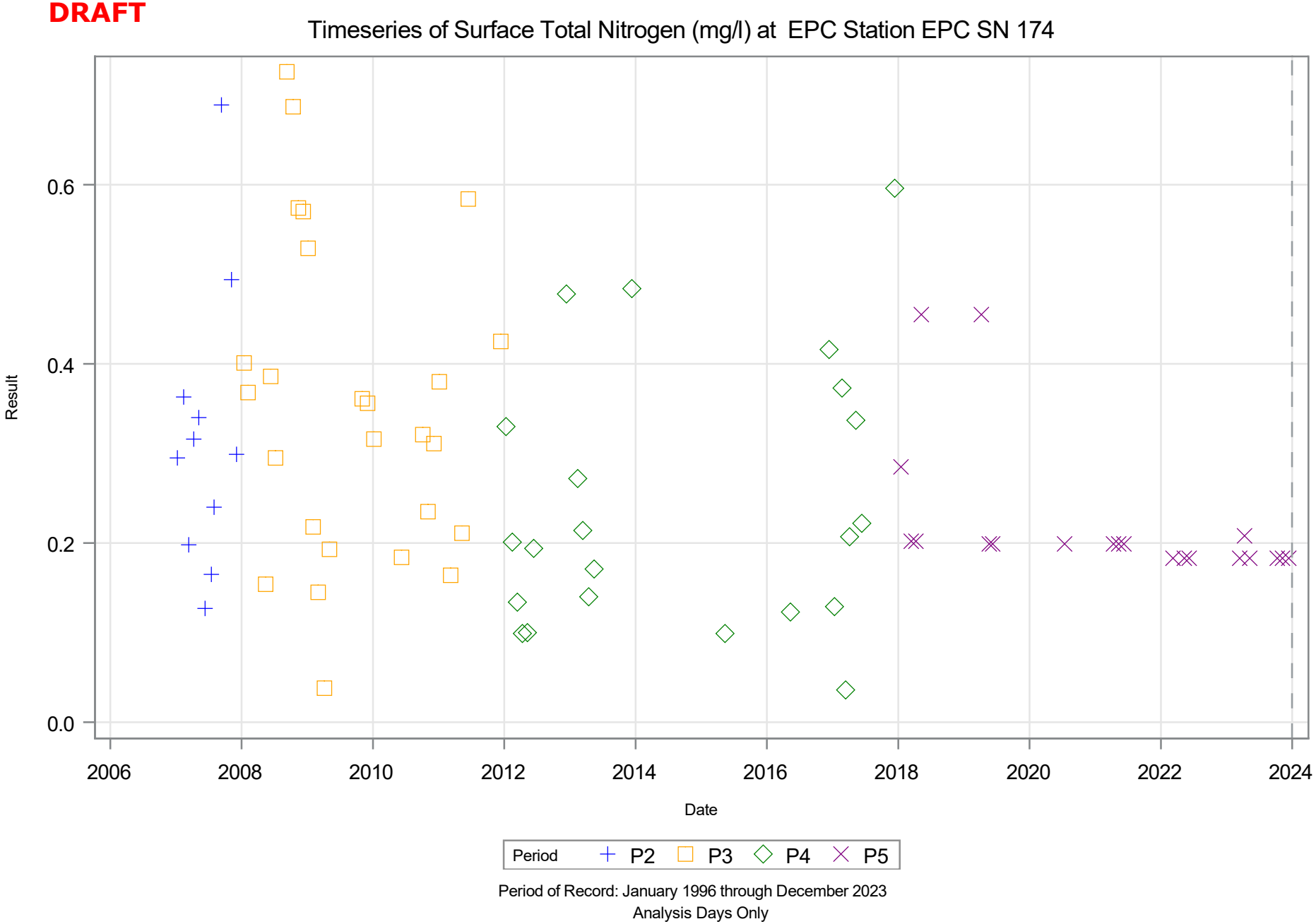
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	25	0.76	1.24	1.37	1.34	1.46	2.62
P3	28	1.05	1.38	1.47	1.48	1.59	1.89
P4	26	1.07	1.36	1.45	1.45	1.57	1.83
P5	19	0.54	0.96	1.09	1.08	1.23	1.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

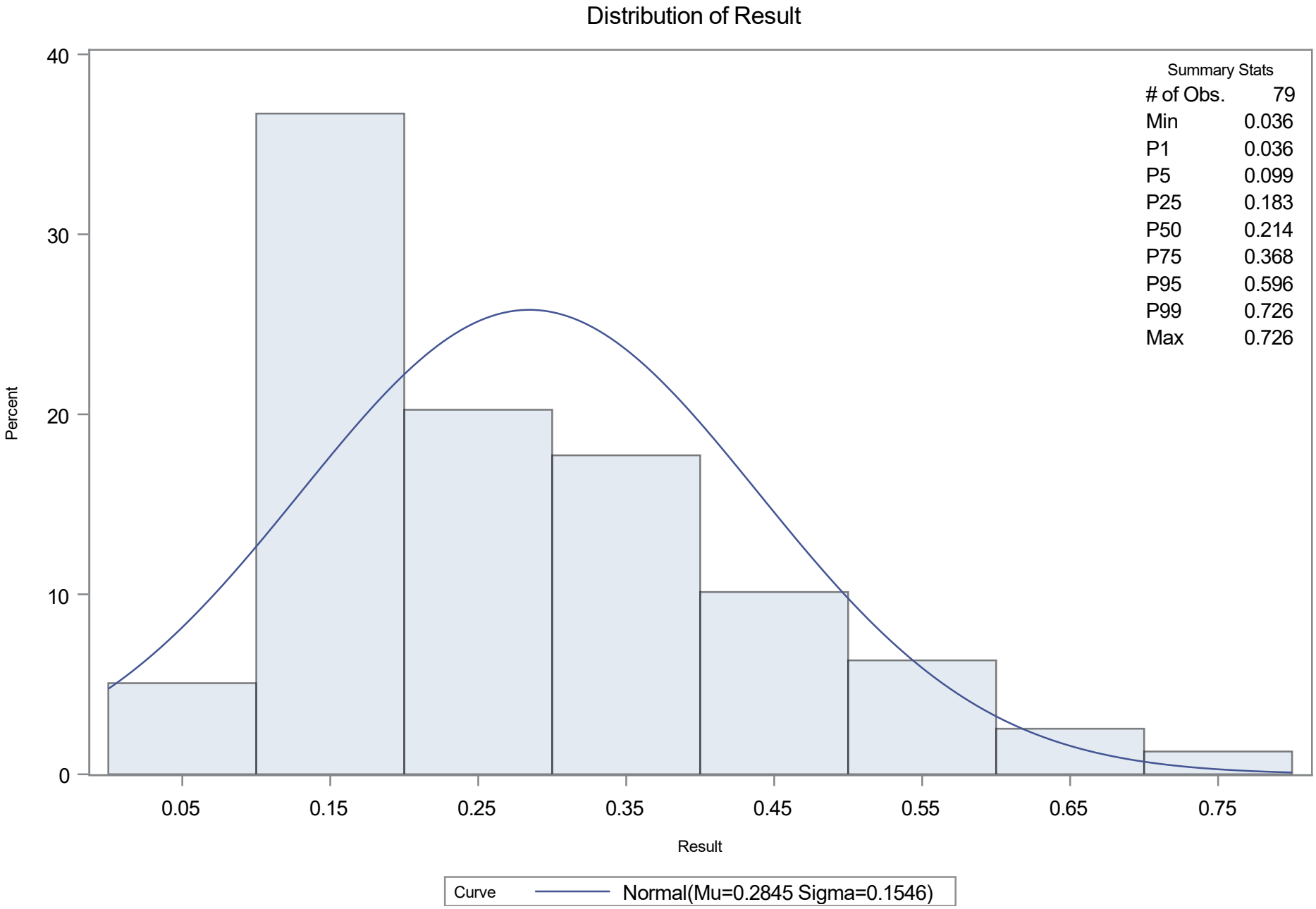

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 165
Result
2.5
2.0
1.5
1.0
0.5
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 174
Result
0.0
0.2
0.4
0.6
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.284532
Std Dev	Sigma	0.154599

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18871406	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.49444370	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.74931577	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.03600	-0.07512
5.0	0.09900	0.03024
10.0	0.12900	0.08640
25.0	0.18300	0.18026
50.0	0.21400	0.28453
75.0	0.36800	0.38881
90.0	0.52900	0.48266
95.0	0.59600	0.53882
99.0	0.72600	0.64418

Period of Record: January 1996 through December 2023
Analysis Days Only

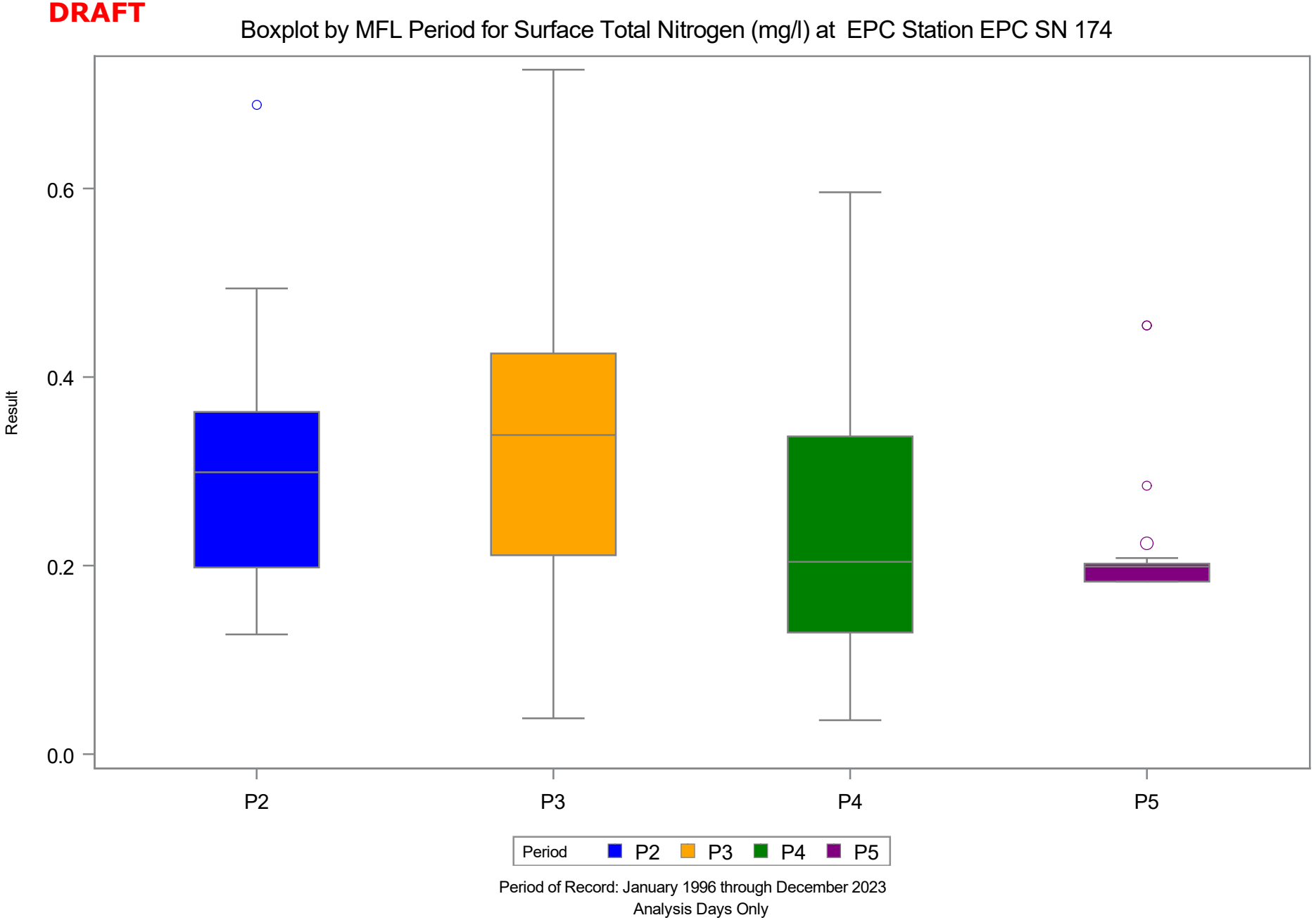
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 174

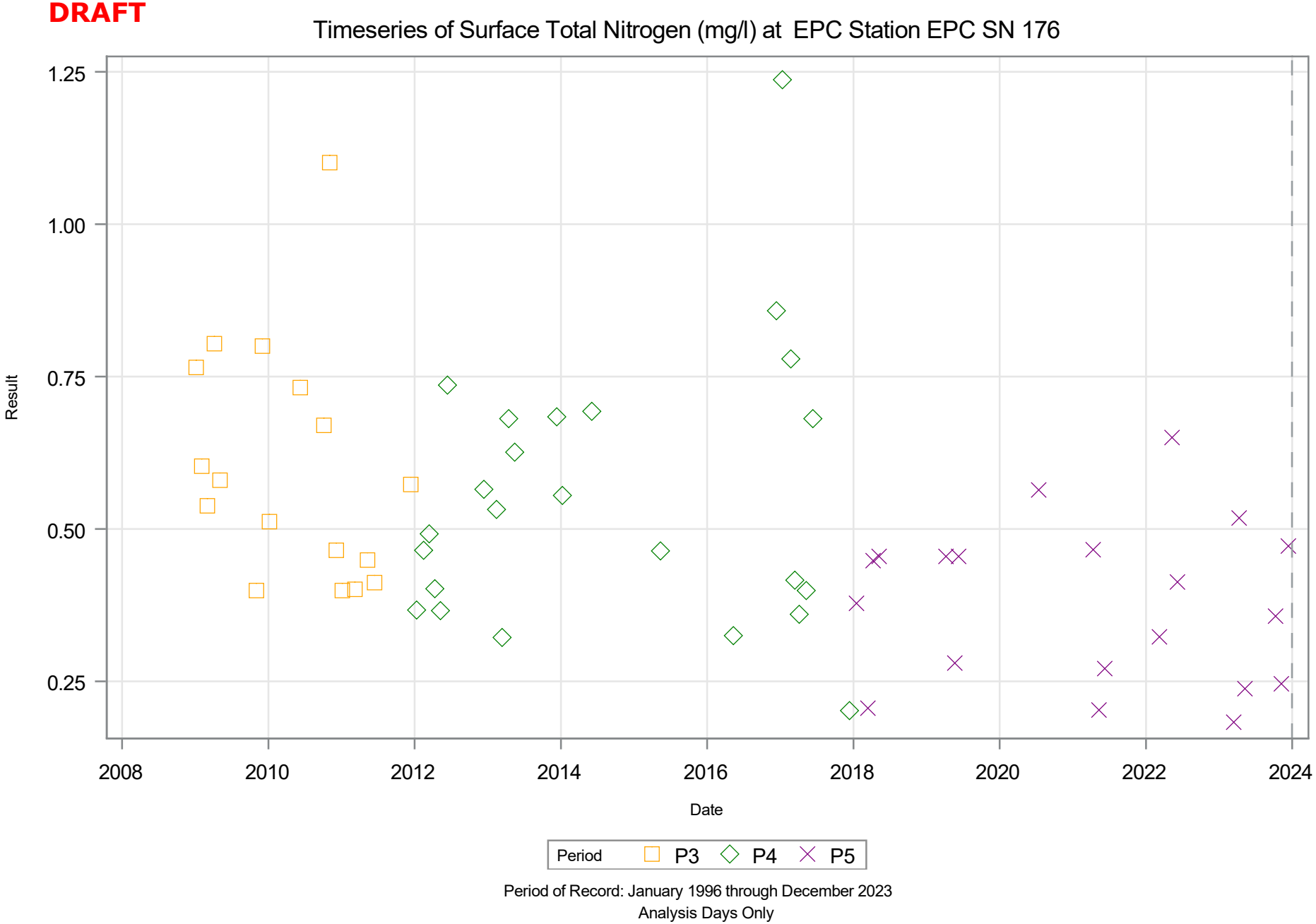
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	0.13	0.20	0.32	0.30	0.36	0.69
P3	26	0.04	0.21	0.35	0.34	0.43	0.73
P4	22	0.04	0.13	0.24	0.20	0.34	0.60
P5	20	0.18	0.18	0.22	0.20	0.20	0.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

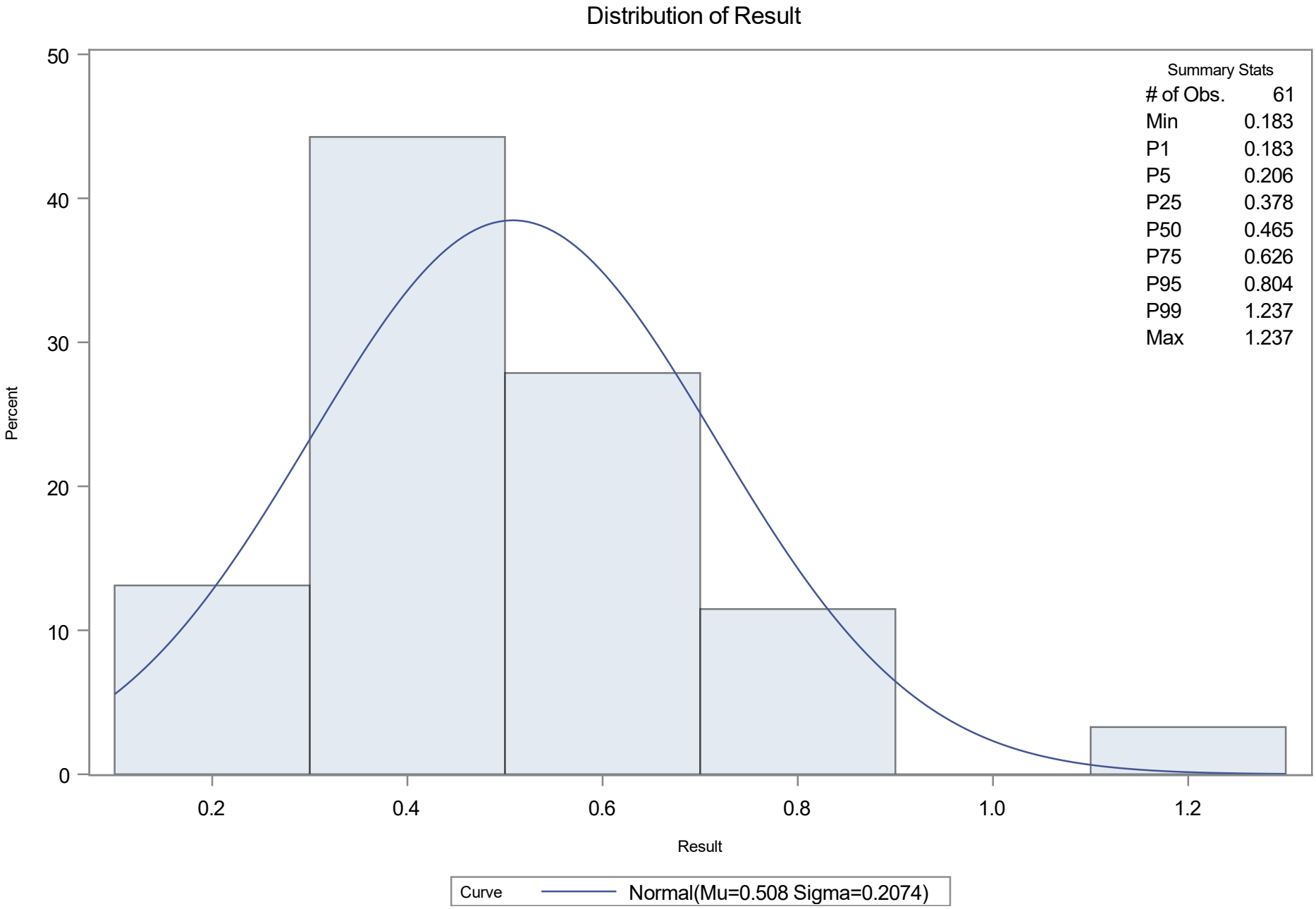

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 174
Result
0.0
0.2
0.4
0.6
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 176
1.25
1.00
0.75
0.50
0.25
Result
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.508049
Std Dev	Sigma	0.207395

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12637307	**Pr > D**	0.017
Cramer-von Mises	**W-Sq**	0.14306891	**Pr > W-Sq**	0.029
Anderson-Darling	**A-Sq**	0.86728649	**Pr > A-Sq**	0.024

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.18300	0.02558
5.0	0.20600	0.16691
10.0	0.27100	0.24226
25.0	0.37800	0.36816
50.0	0.46500	0.50805
75.0	0.62600	0.64794
90.0	0.76500	0.77384
95.0	0.80400	0.84918
99.0	1.23700	0.99052

Period of Record: January 1996 through December 2023
Analysis Days Only

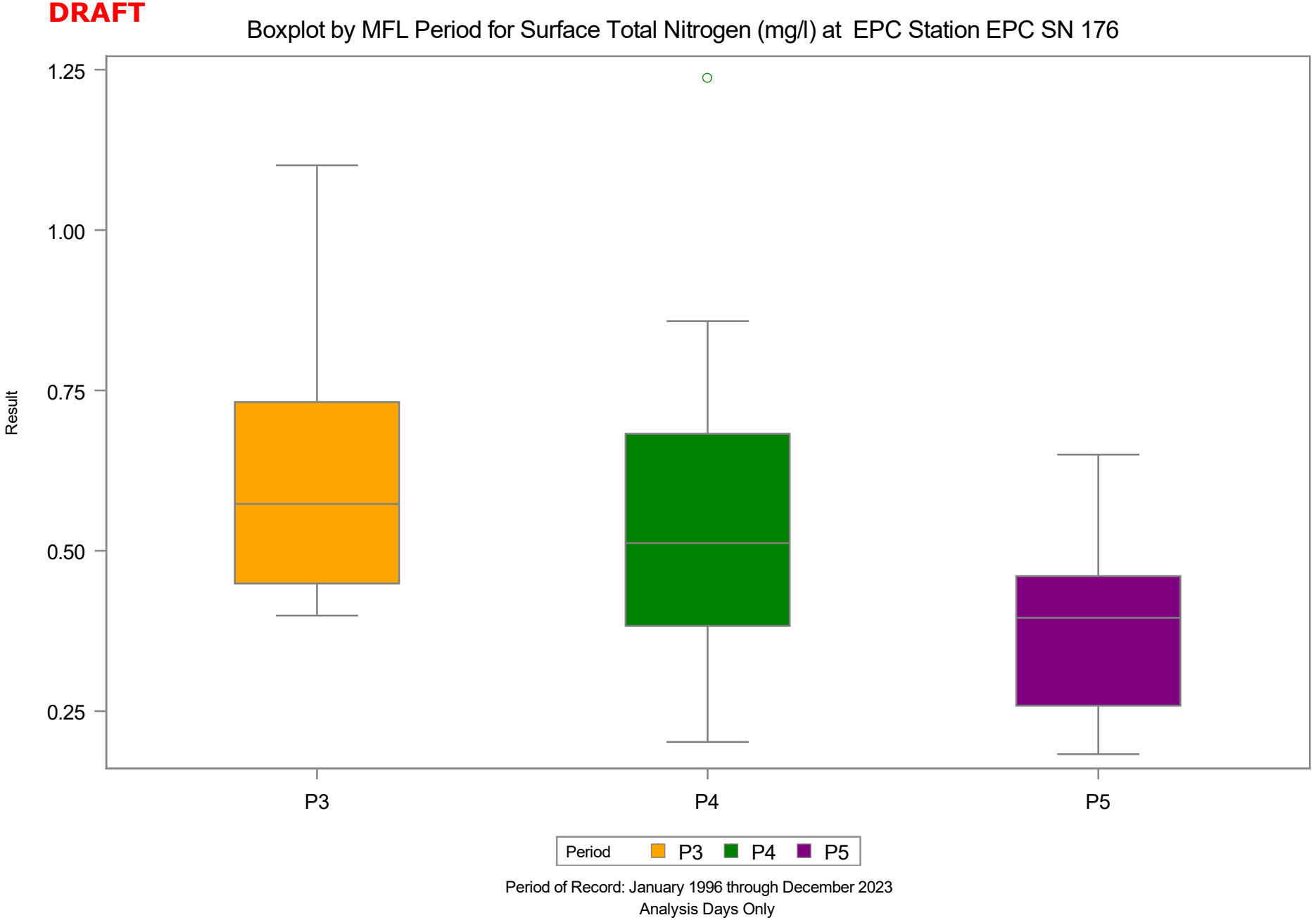
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 176

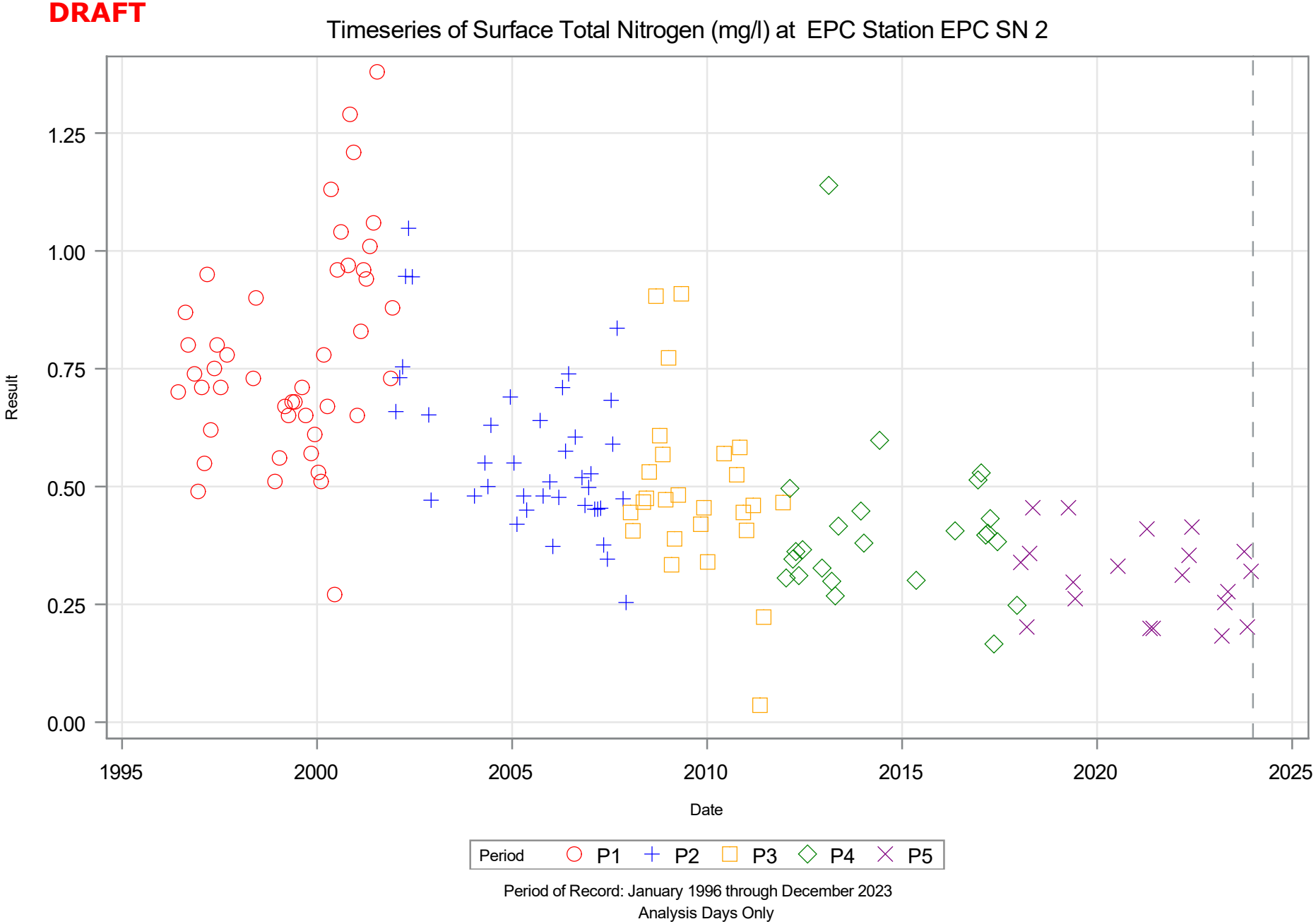
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	17	0.40	0.45	0.60	0.57	0.73	1.10
P4	24	0.20	0.38	0.55	0.51	0.68	1.24
P5	20	0.18	0.26	0.38	0.40	0.46	0.65

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

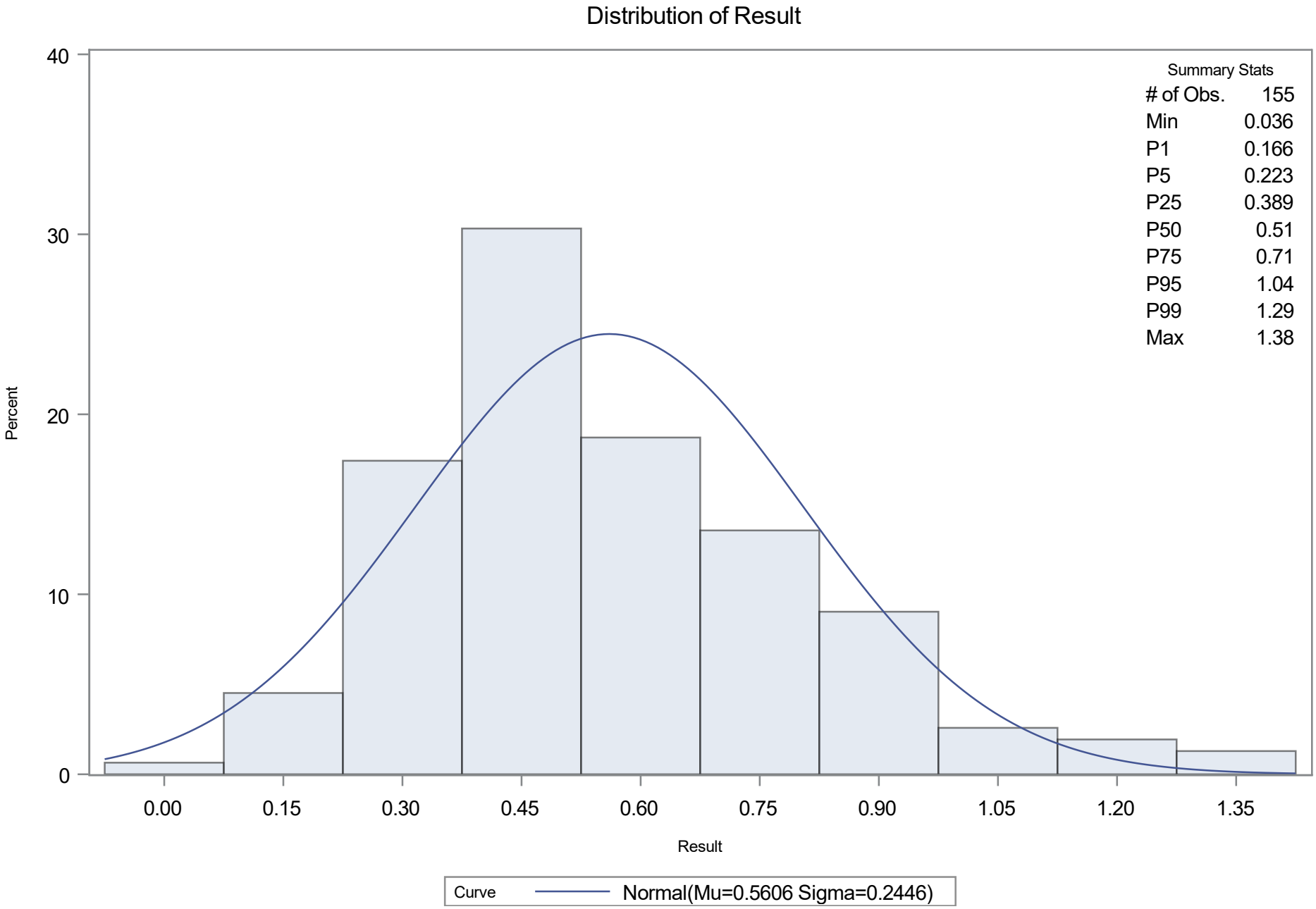

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 176
Result
1.25
1.00
0.75
0.50
0.25
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 2
Result
1.25
1.00
0.75
0.50
0.25
0.00
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.5606
Std Dev	Sigma	0.244638

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10944286	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.36671355	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.09569815	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.16600	-0.00851
5.0	0.22300	0.15821
10.0	0.29700	0.24708
25.0	0.38900	0.39559
50.0	0.51000	0.56060
75.0	0.71000	0.72561
90.0	0.94000	0.87412
95.0	1.04000	0.96299
99.0	1.29000	1.12971

Period of Record: January 1996 through December 2023
Analysis Days Only

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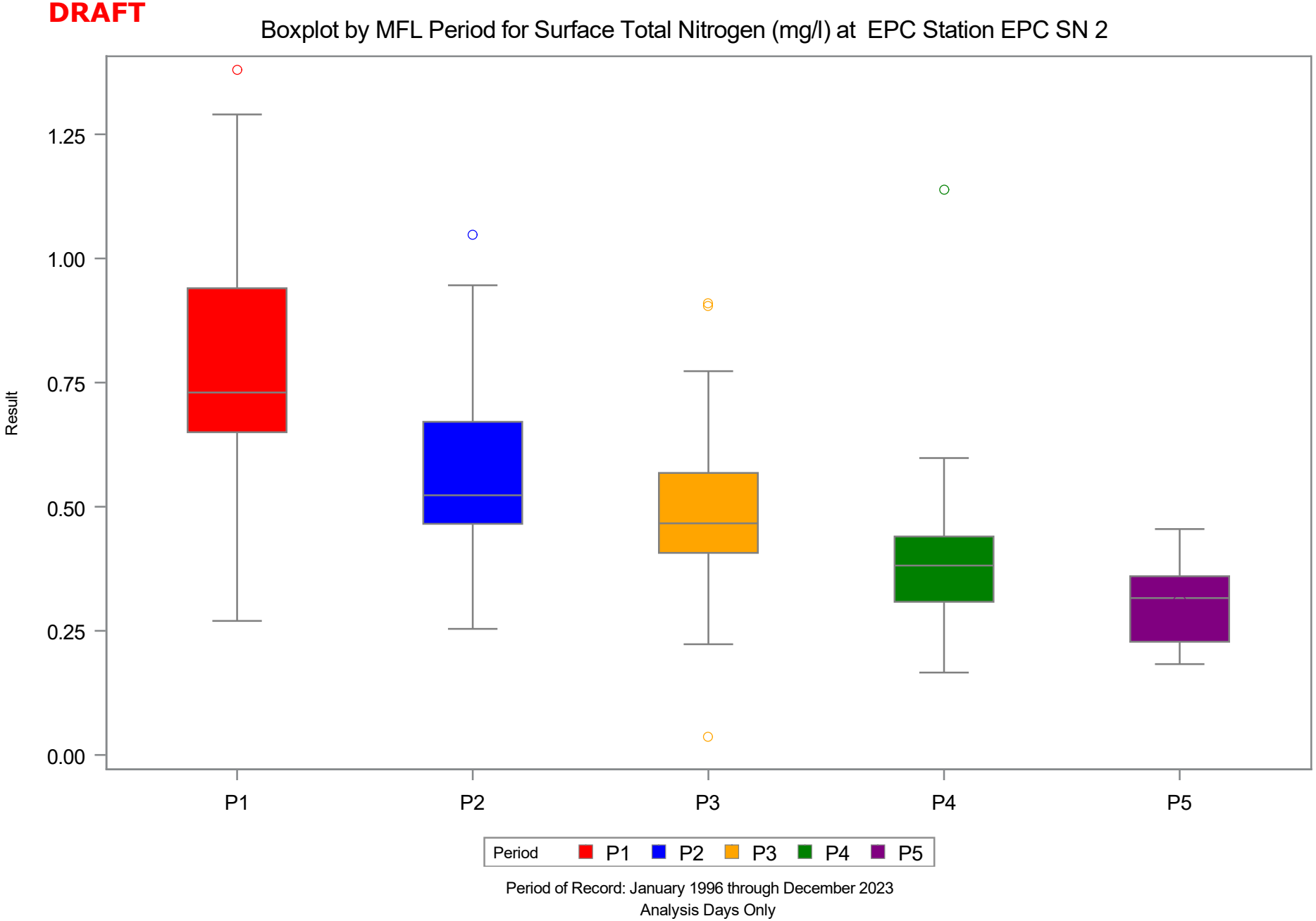
Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 2

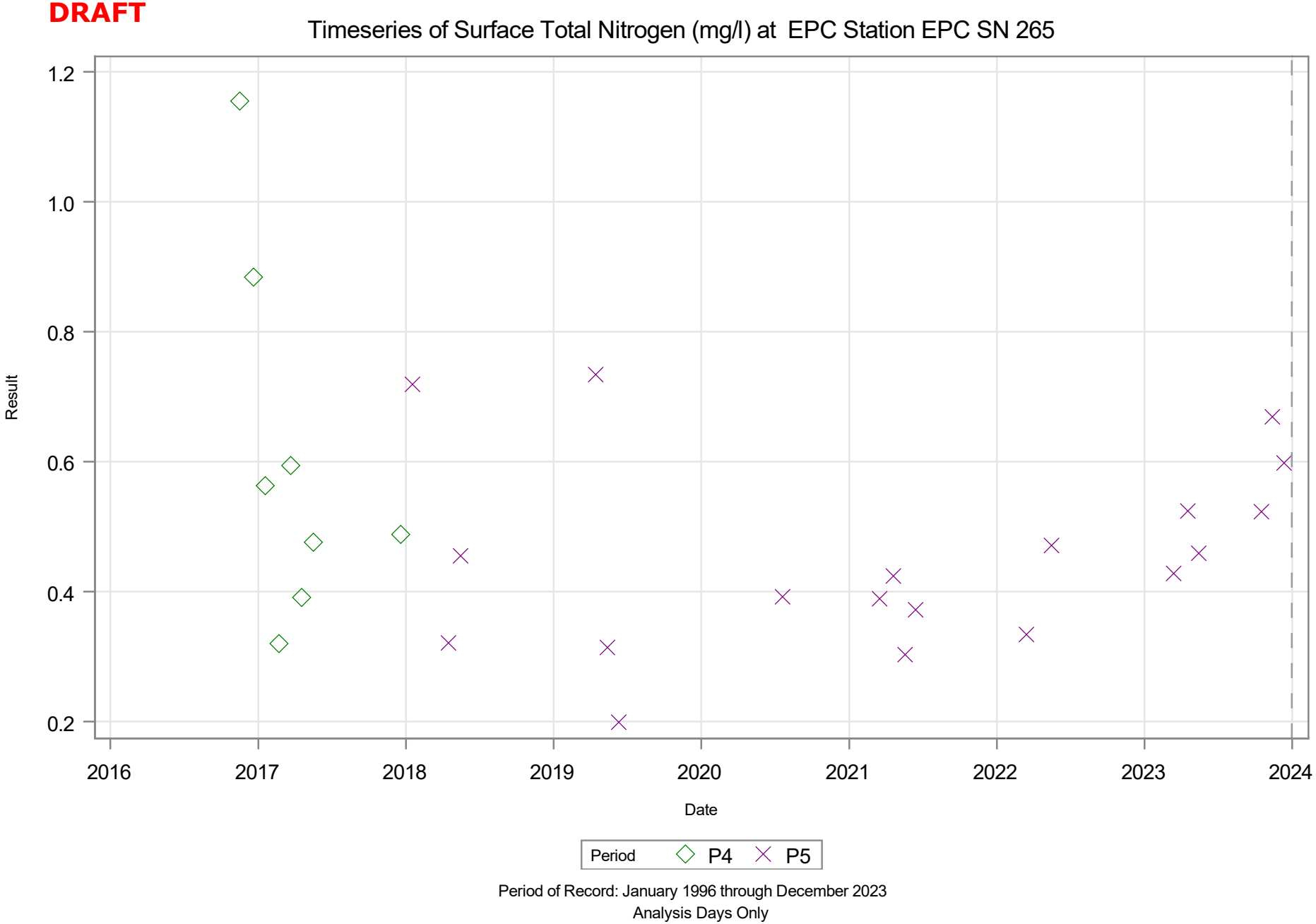
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	0.27	0.65	0.78	0.73	0.94	1.38
P2	40	0.25	0.47	0.57	0.52	0.67	1.05
P3	26	0.04	0.41	0.49	0.47	0.57	0.91
P4	24	0.17	0.31	0.41	0.38	0.44	1.14
P5	20	0.18	0.23	0.31	0.32	0.36	0.46

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

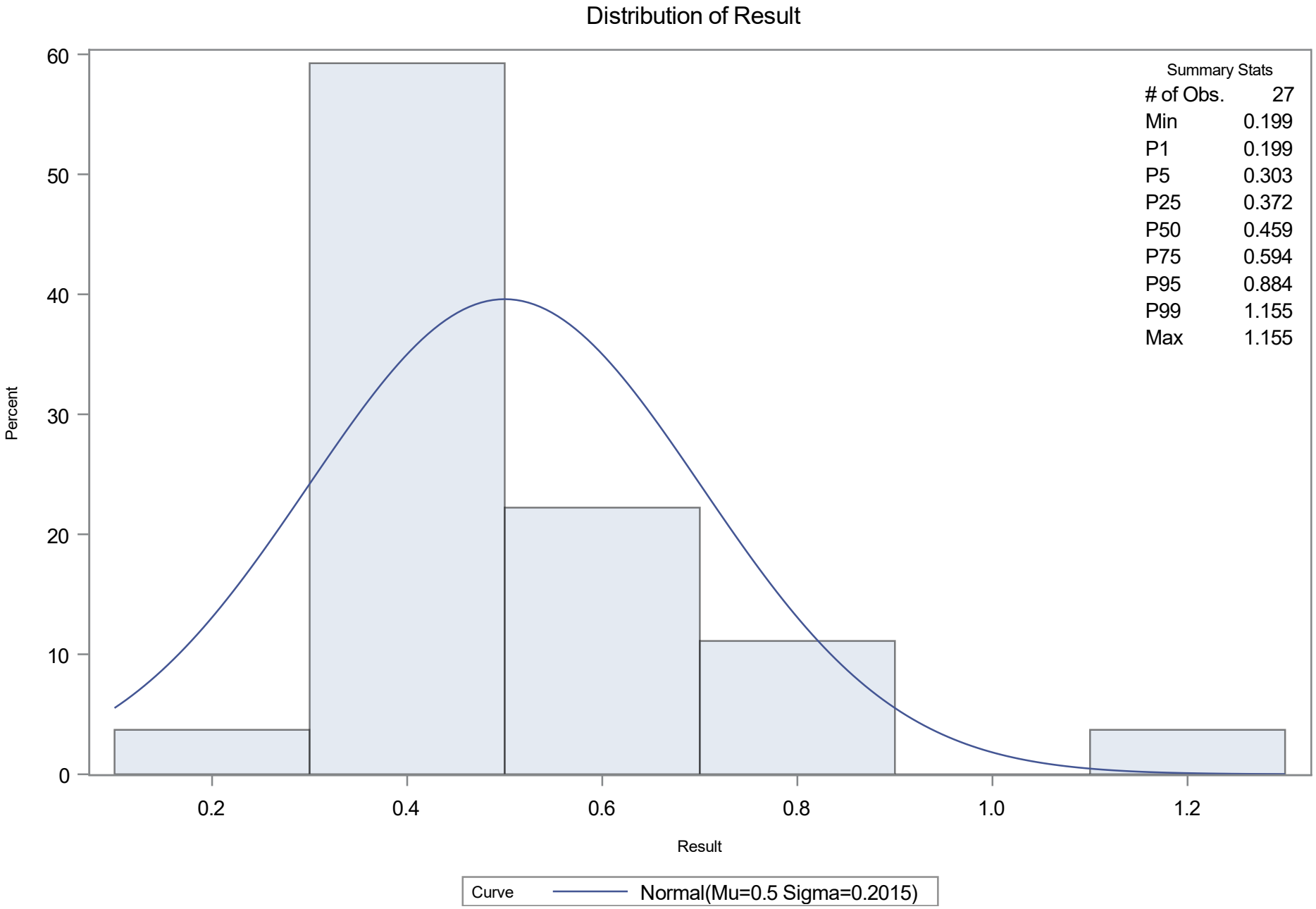

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 2
Result
1.25
1.00
0.75
0.50
0.25
0.00
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 265
Result
1.2
1.0
0.8
0.6
0.4
0.2
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.499963
Std Dev	Sigma	0.201509

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15622842	**Pr > D**	0.089
Cramer-von Mises	**W-Sq**	0.14978063	**Pr > W-Sq**	0.023
Anderson-Darling	**A-Sq**	0.91922722	**Pr > A-Sq**	0.018

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.19900	0.03118
5.0	0.30300	0.16851
10.0	0.31400	0.24172
25.0	0.37200	0.36405
50.0	0.45900	0.49996
75.0	0.59400	0.63588
90.0	0.73400	0.75821
95.0	0.88400	0.83142
99.0	1.15500	0.96874

Period of Record: January 1996 through December 2023
Analysis Days Only

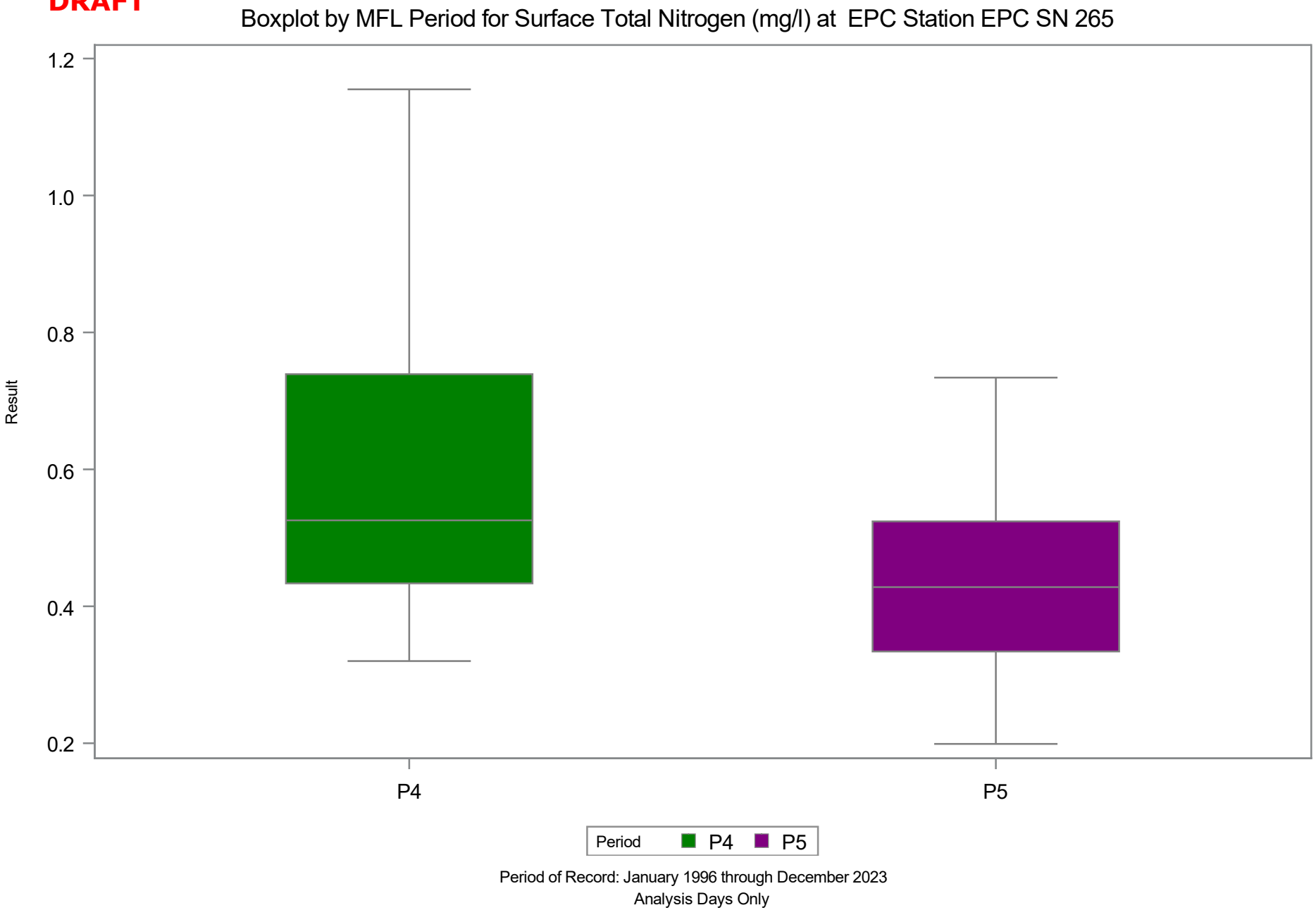
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 265

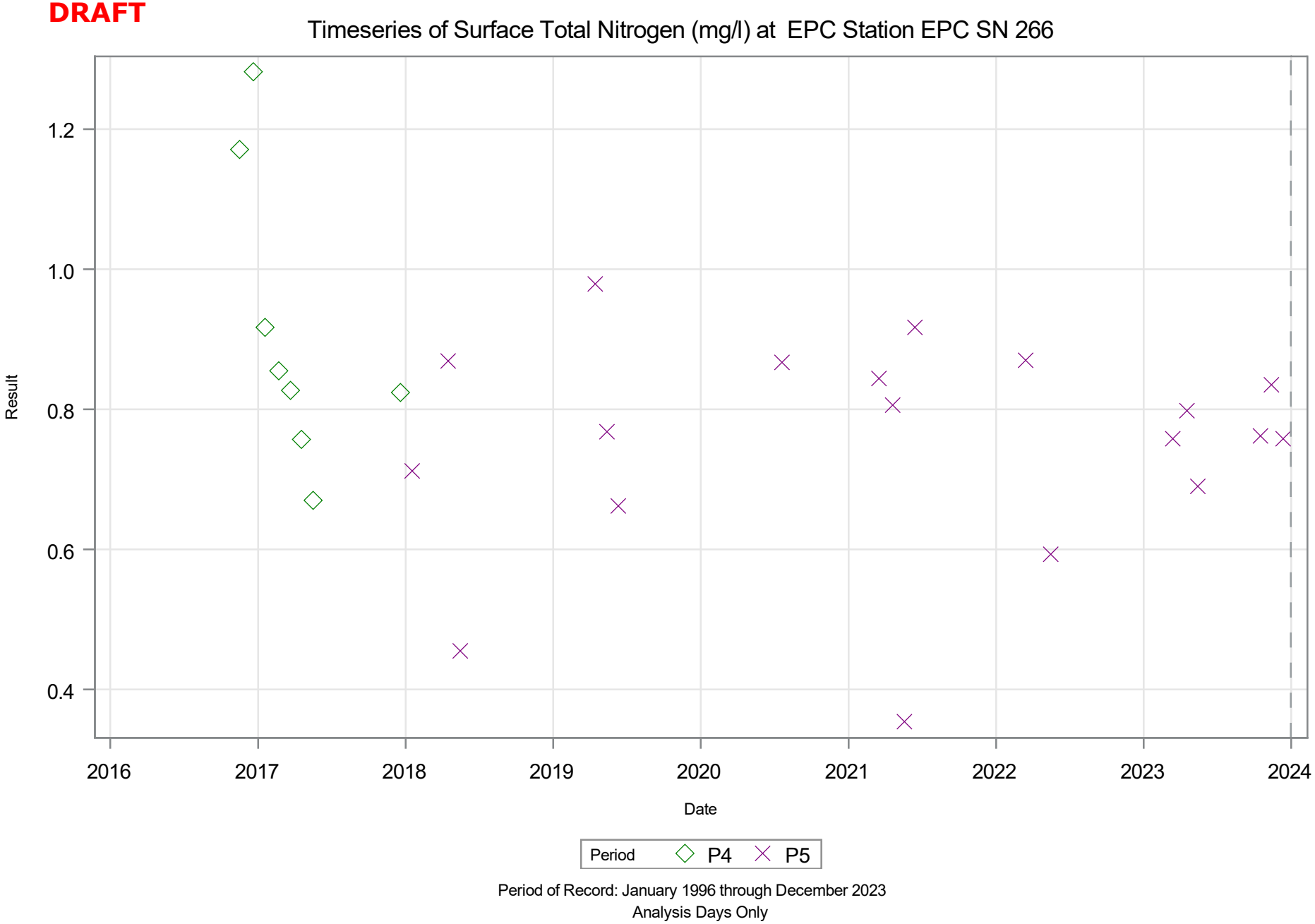
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.32	0.43	0.61	0.53	0.74	1.16
P5	19	0.20	0.33	0.45	0.43	0.52	0.73

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

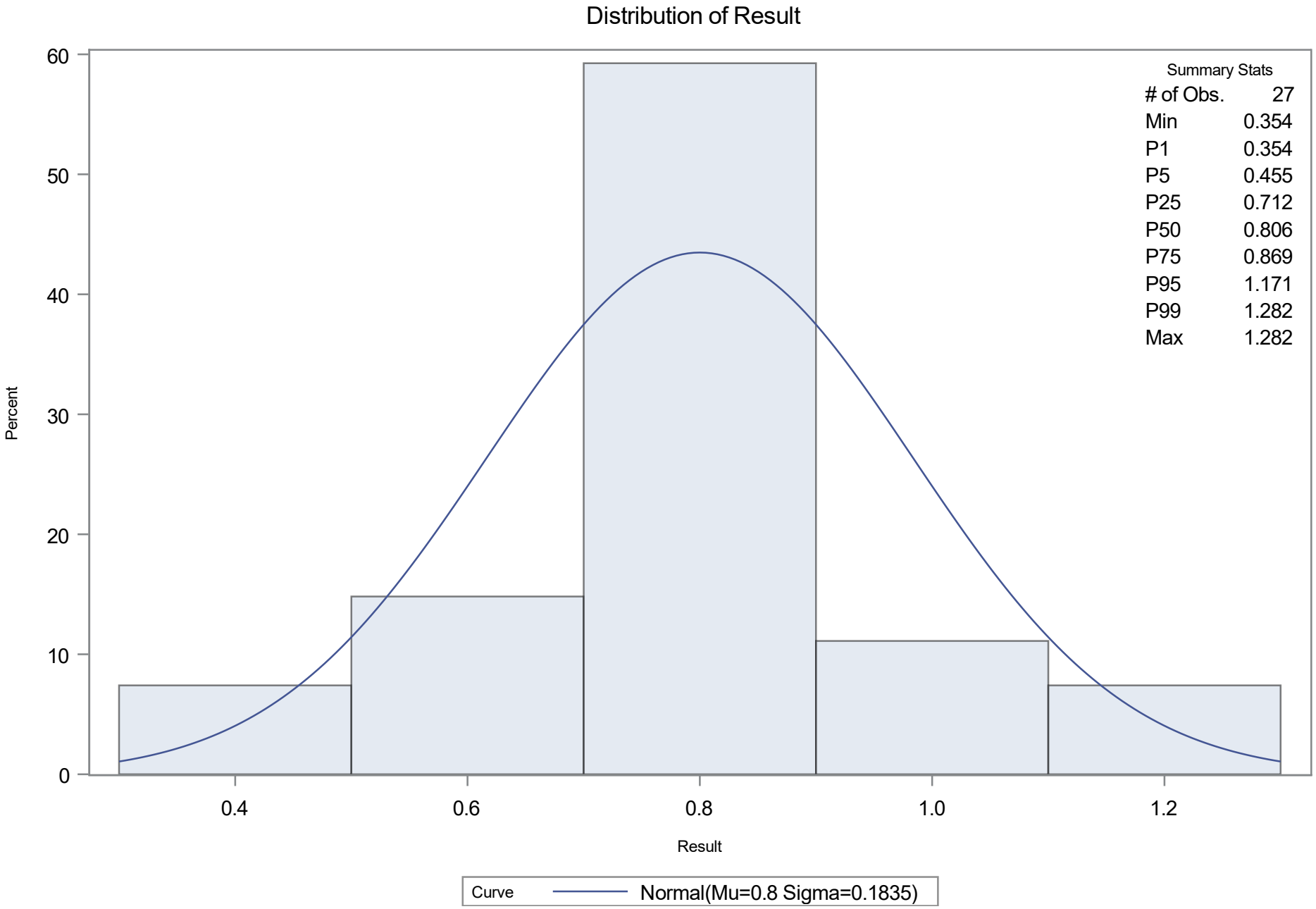

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 265
Result
1.2
1.0
0.8
0.6
0.4
0.2
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 266
Result
1.2
1.0
0.8
0.6
0.4
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.8
Std Dev	Sigma	0.183501

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16624233	**Pr > D**	0.054
Cramer-von Mises	**W-Sq**	0.14471691	**Pr > W-Sq**	0.026
Anderson-Darling	**A-Sq**	0.85172951	**Pr > A-Sq**	0.025

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.35400	0.37311
5.0	0.45500	0.49817
10.0	0.59300	0.56483
25.0	0.71200	0.67623
50.0	0.80600	0.80000
75.0	0.86900	0.92377
90.0	0.97900	1.03517
95.0	1.17100	1.10183
99.0	1.28200	1.22689

Period of Record: January 1996 through December 2023
Analysis Days Only

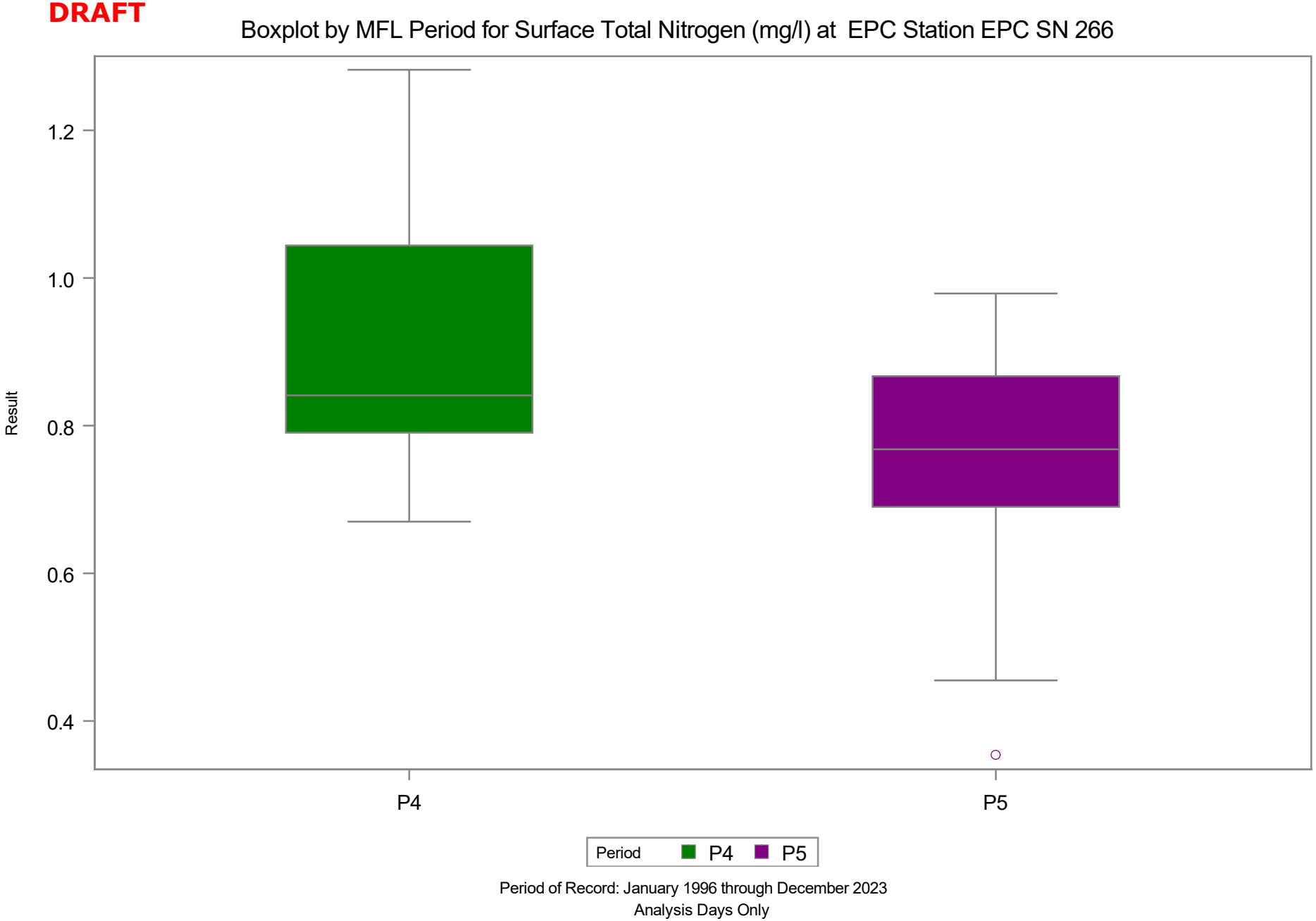
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 266

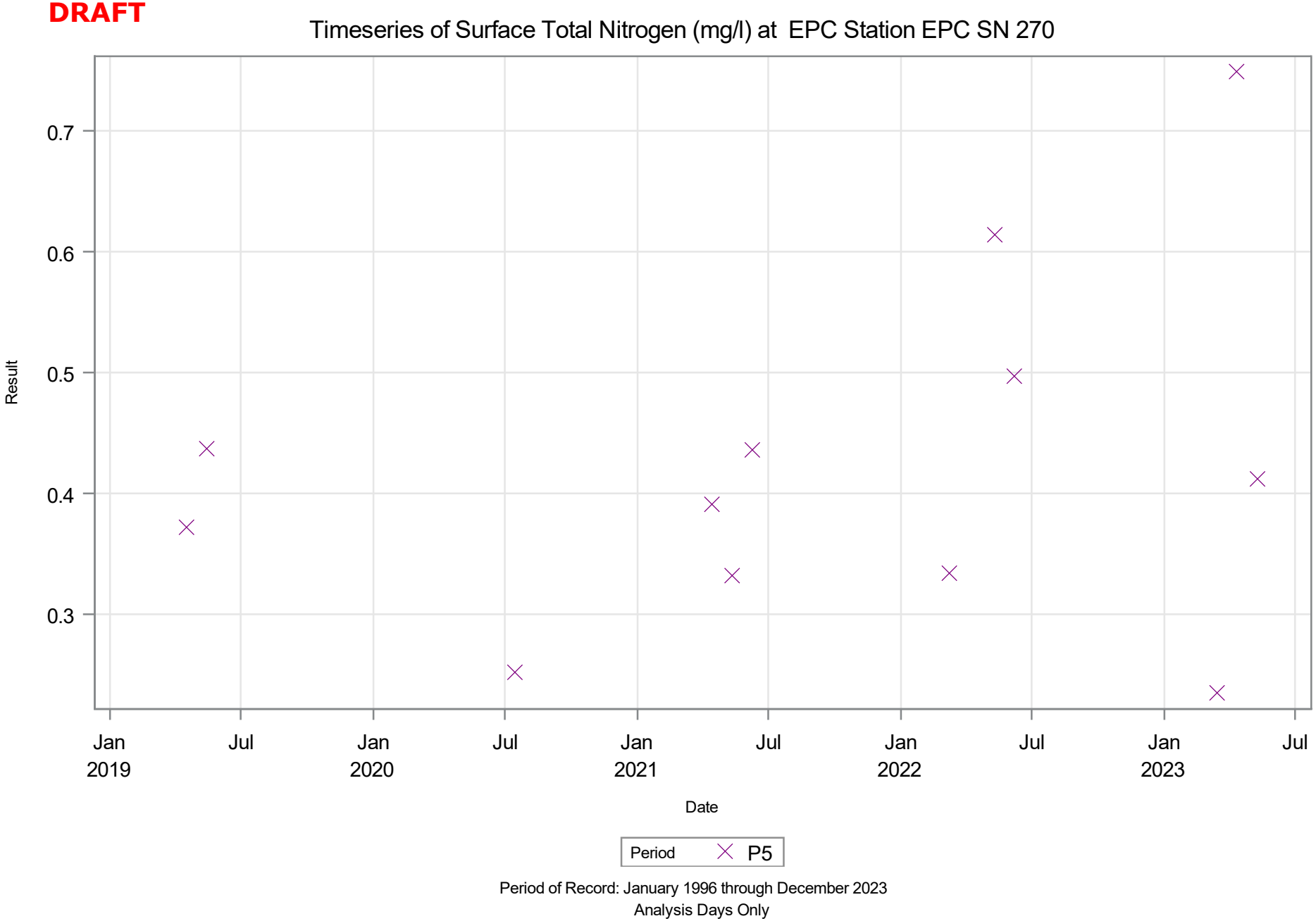
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.67	0.79	0.91	0.84	1.04	1.28
P5	19	0.35	0.69	0.75	0.77	0.87	0.98

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

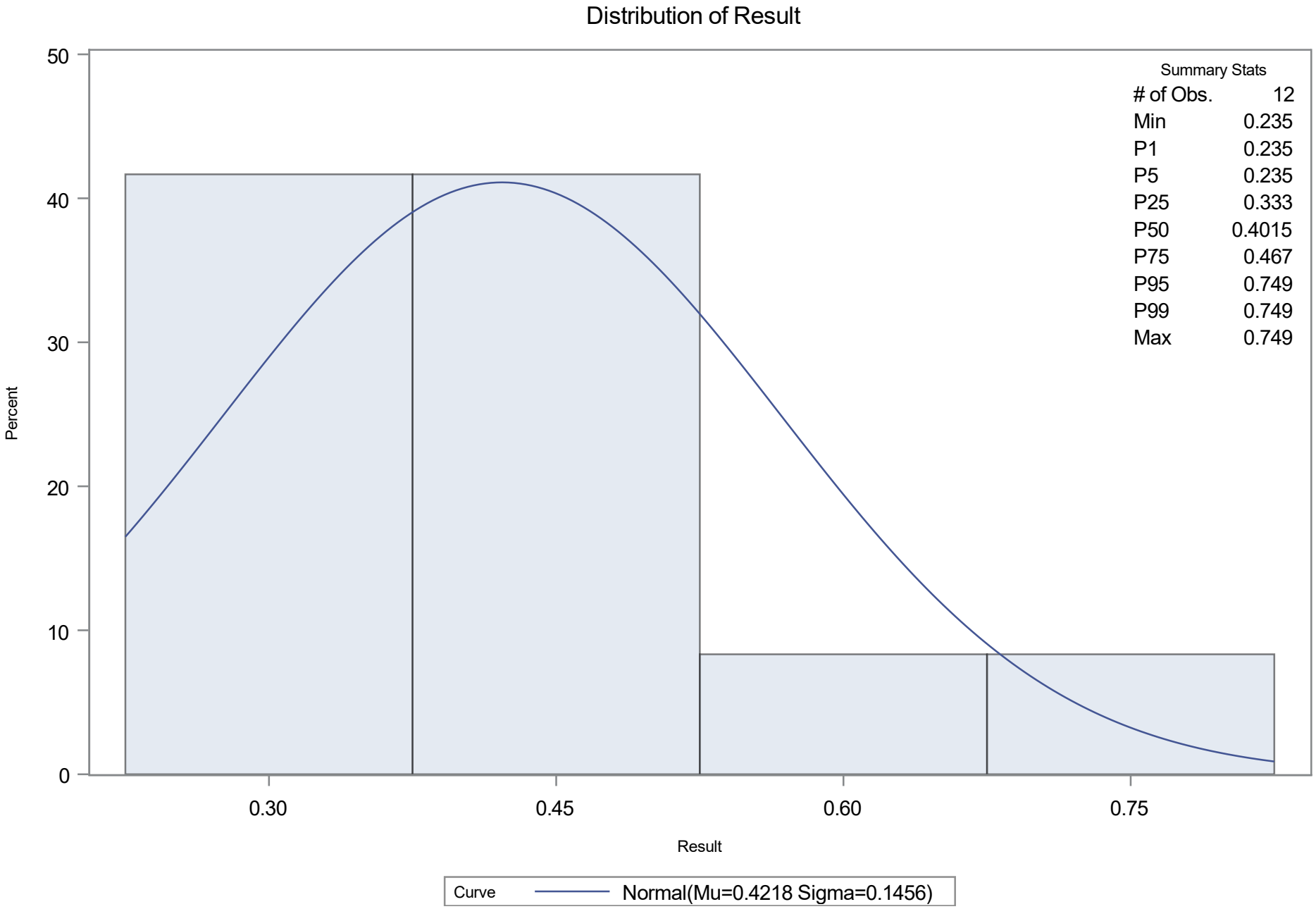

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 266
Result
1.2
1.0
0.8
0.6
0.4
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 270
Result
0.7
0.6
0.5
0.4
0.3
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.42175
Std Dev	Sigma	0.145575

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20828426	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06674711	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40751835	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.23500	0.08309
5.0	0.23500	0.18230
10.0	0.25200	0.23519
25.0	0.33300	0.32356
50.0	0.40150	0.42175
75.0	0.46700	0.51994
90.0	0.61400	0.60831
95.0	0.74900	0.66120
99.0	0.74900	0.76041

Period of Record: January 1996 through December 2023
Analysis Days Only

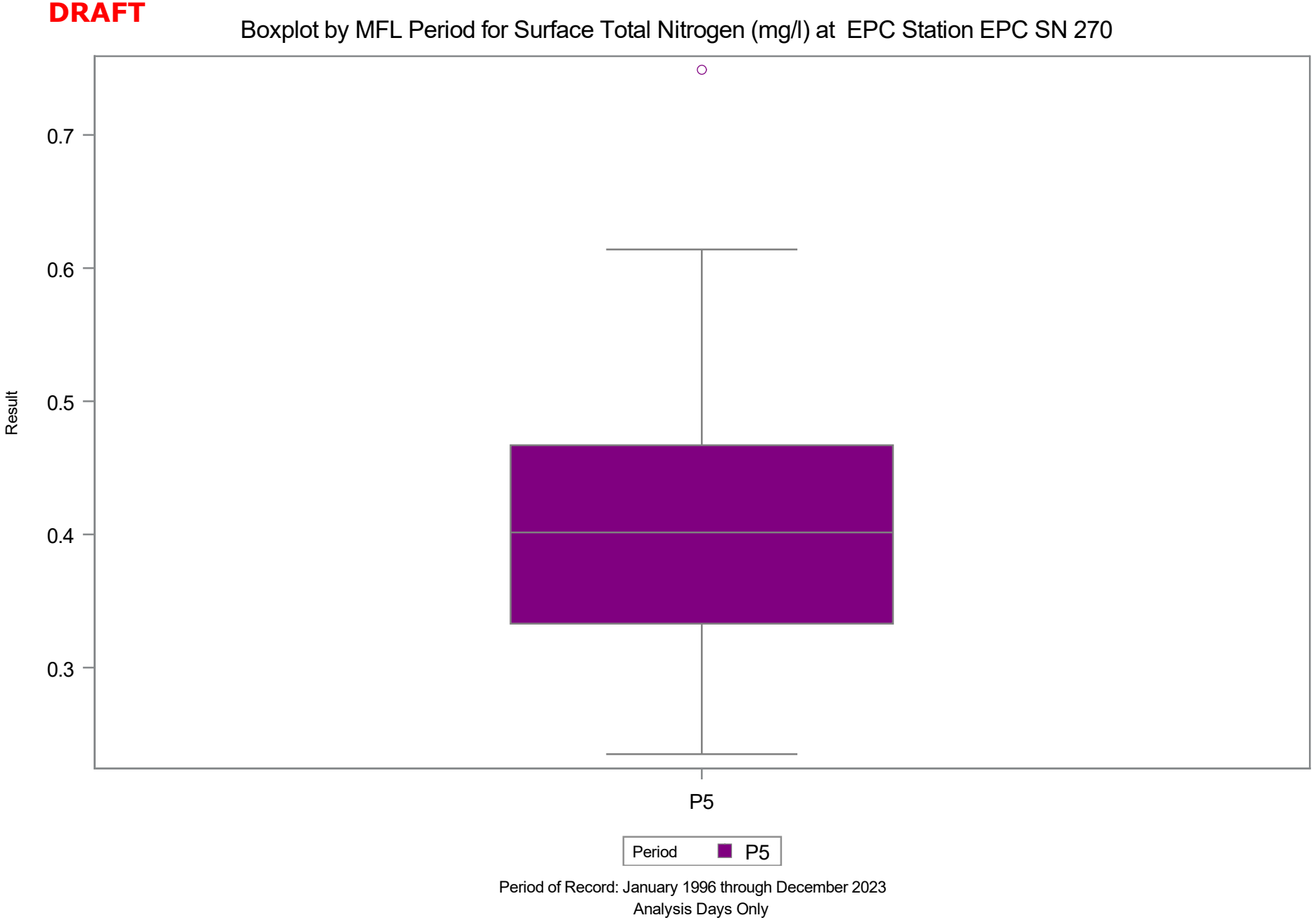
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 270

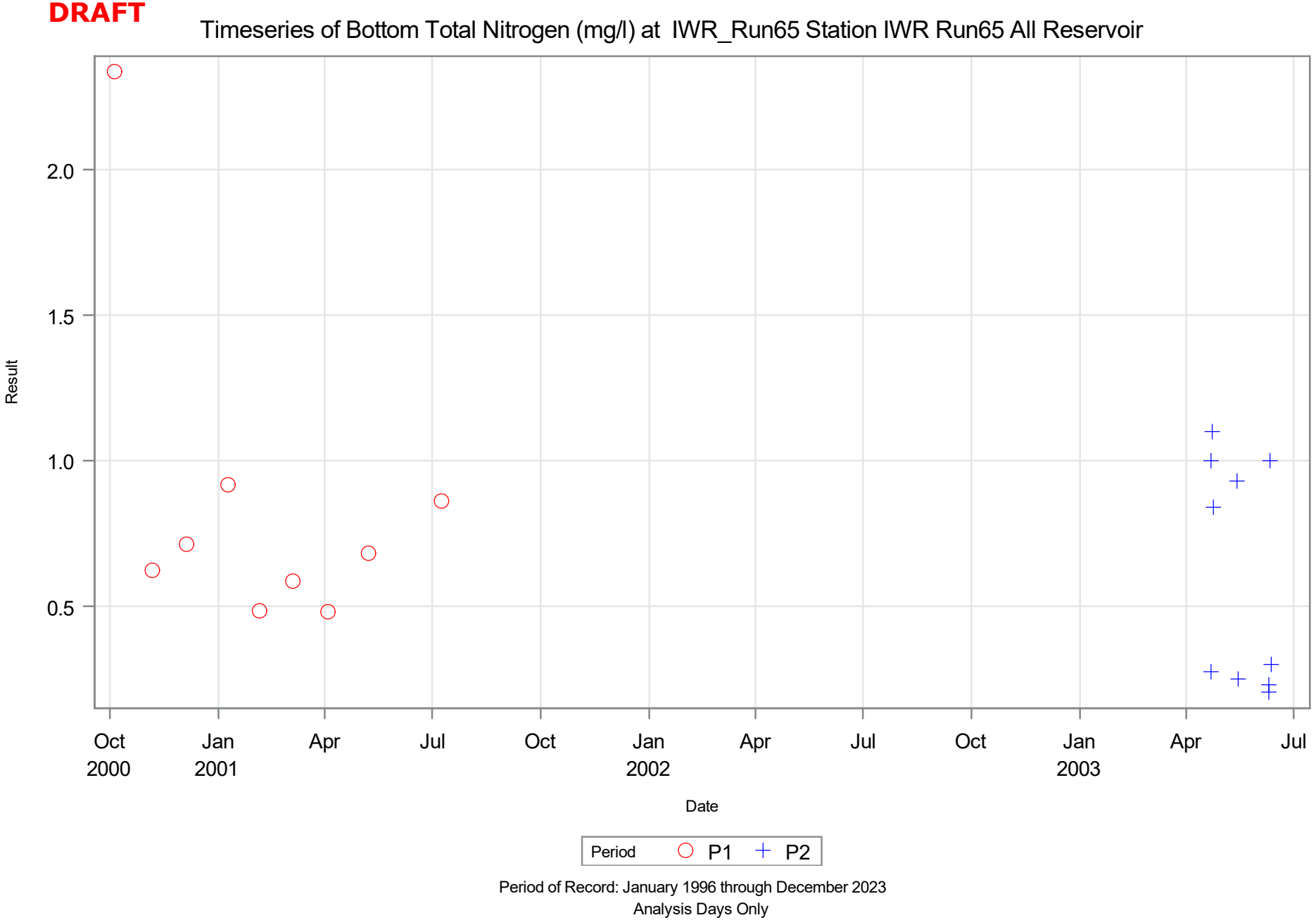
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	12	0.24	0.33	0.42	0.40	0.47	0.75

Period of Record: January 1996 through December 2023
Analysis Days Only

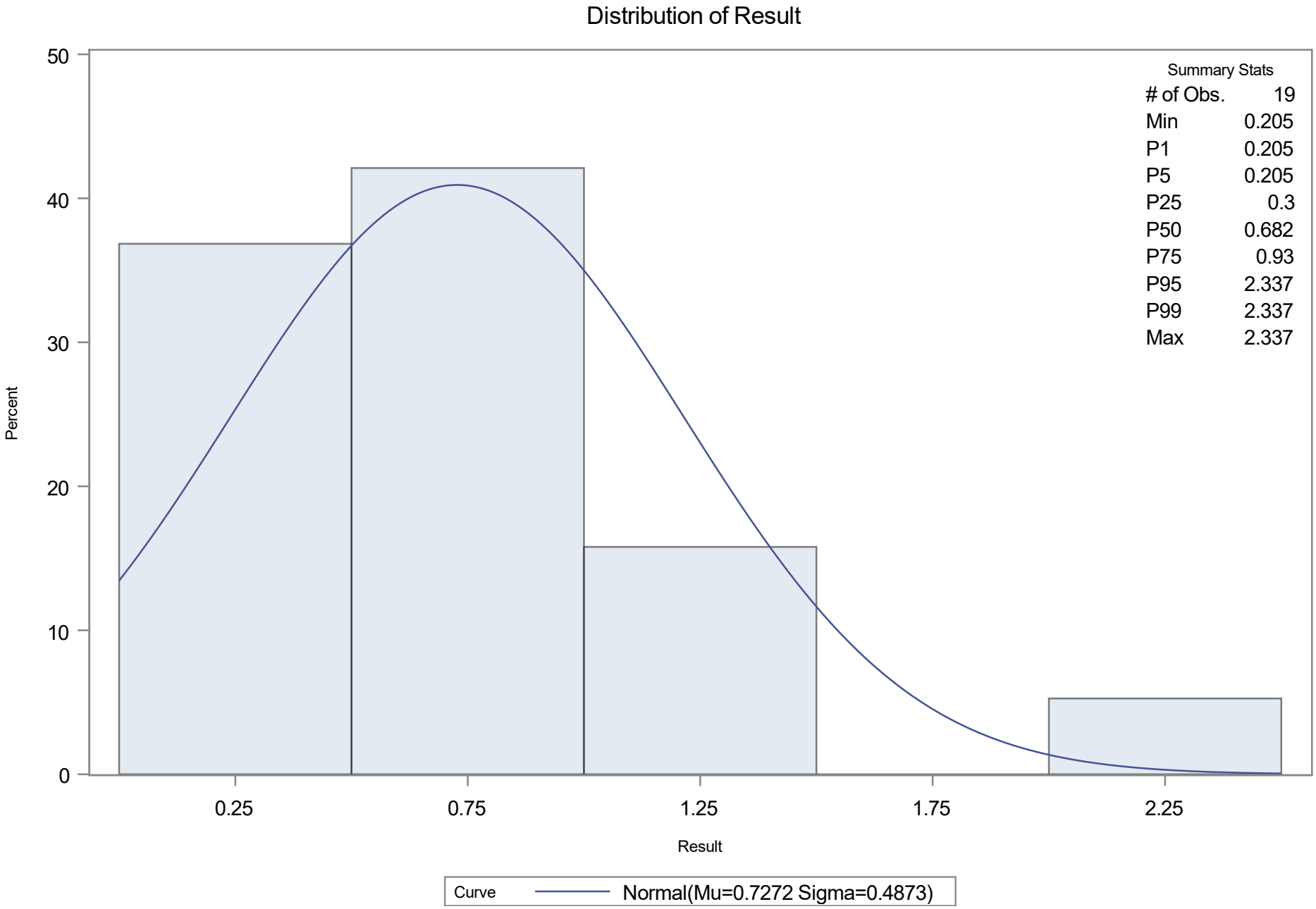
DRAFT


Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at EPC Station EPC SN 270
Result
0.7
0.6
0.5
0.4
0.3
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
2.0
1.5
1.0
0.5
Oct
2000
Jan
2001
Apr
Jul
Oct
Jan
2002
Apr
Jul
Oct
Jan
2003
Apr
Jul
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.727158
Std Dev	Sigma	0.487345

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18252613	**Pr > D**	0.093
Cramer-von Mises	**W-Sq**	0.10719212	**Pr > W-Sq**	0.086
Anderson-Darling	**A-Sq**	0.88790004	**Pr > A-Sq**	0.020

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20500	-0.40658
5.0	0.20500	-0.07445
10.0	0.23000	0.10260
25.0	0.30000	0.39845
50.0	0.68200	0.72716
75.0	0.93000	1.05587
90.0	1.10000	1.35172
95.0	2.33700	1.52877
99.0	2.33700	1.86089

Period of Record: January 1996 through December 2023
Analysis Days Only

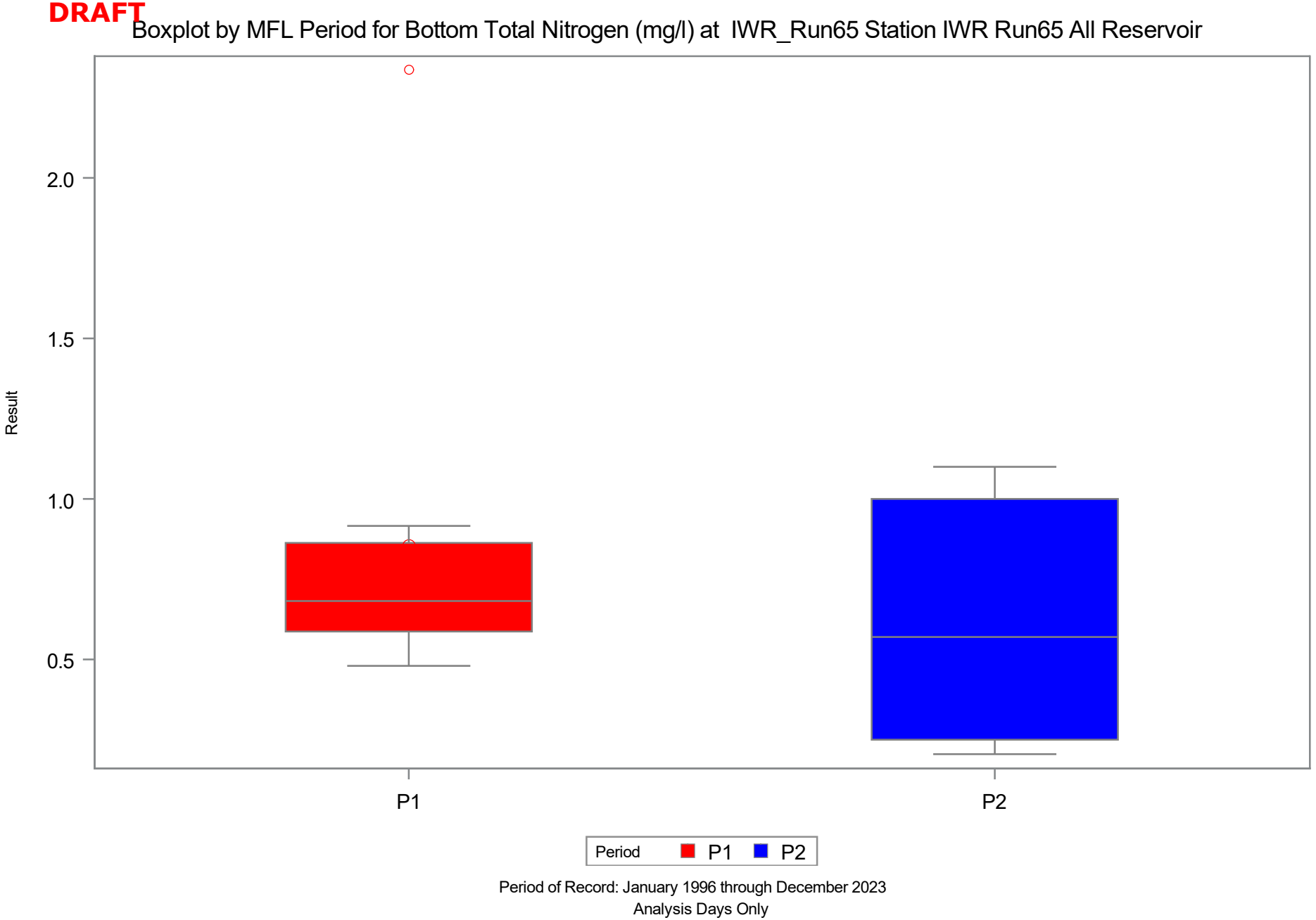
DRAFT

Distributional Statistics by Period for Bottom Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

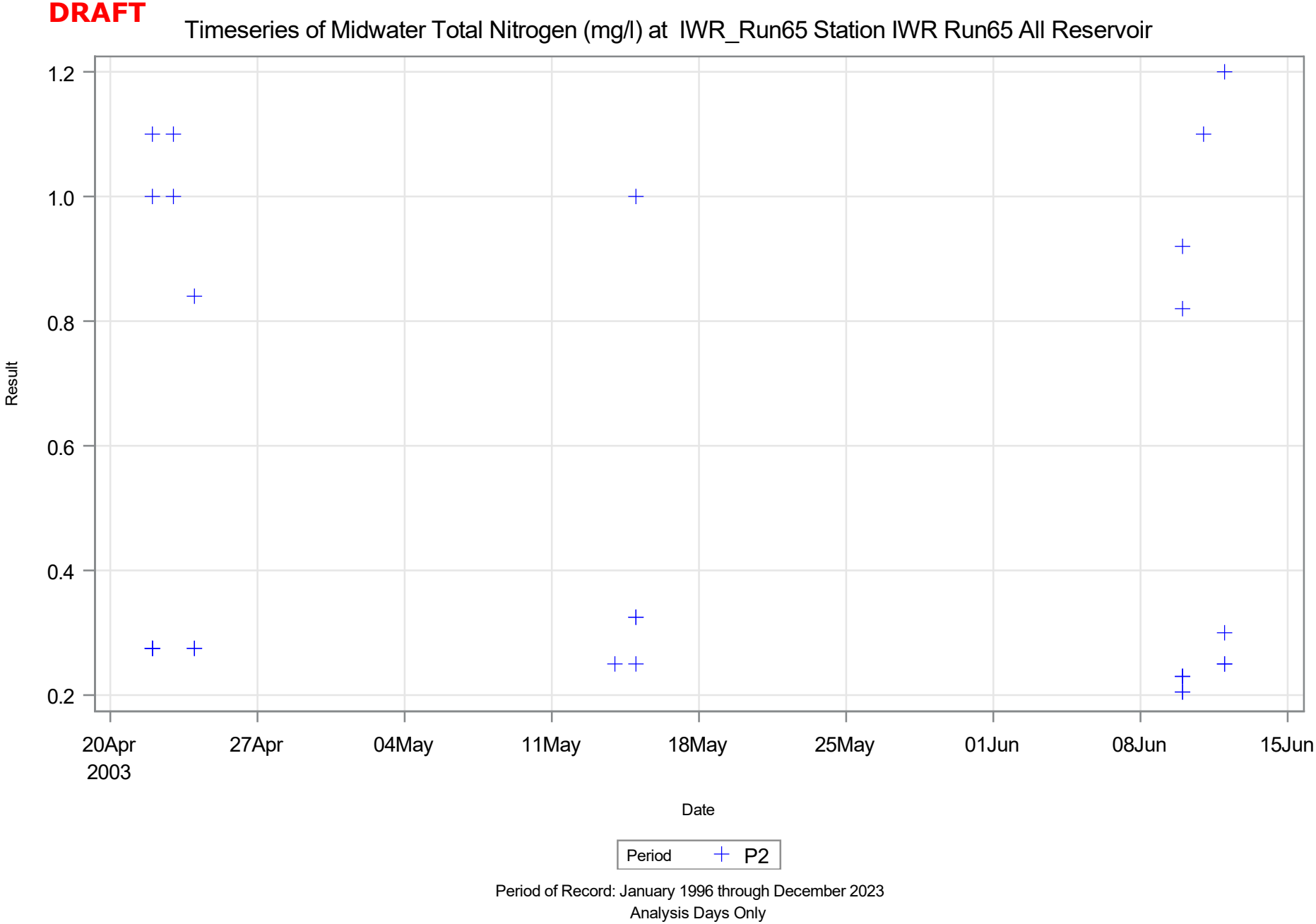
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	9	0.48	0.59	0.85	0.68	0.86	2.34
P2	10	0.21	0.25	0.61	0.57	1.00	1.10

Period of Record: January 1996 through December 2023
Analysis Days Only

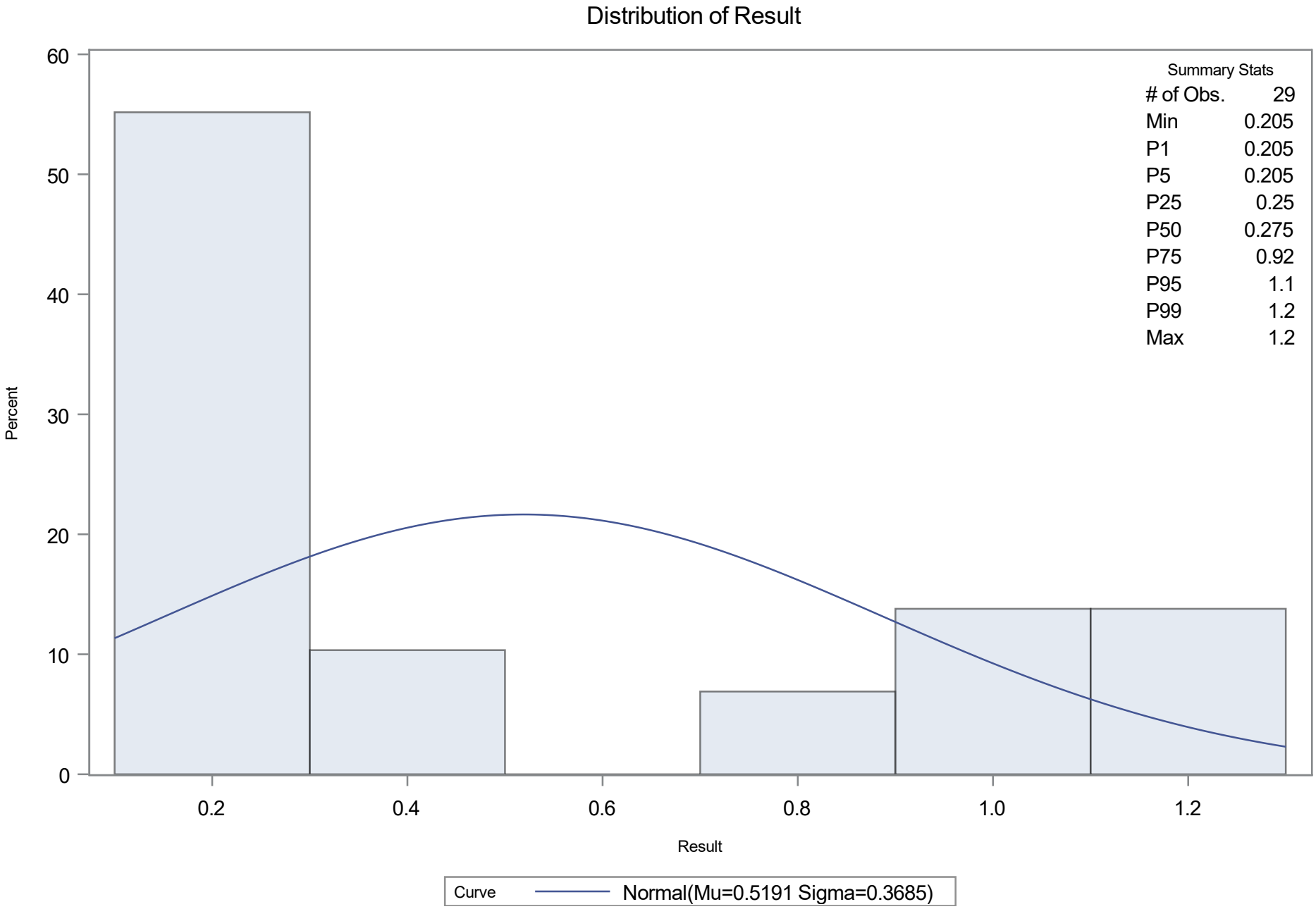
DRAFT


Boxplot by MFL Period for Bottom Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
2.0
1.5
1.0
0.5
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
1.2
1.0
0.8
0.6
0.4
0.2
20Apr
2003
27Apr
04May
11May
18May
25May
01Jun
08Jun
15Jun
Date
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Midwater Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.519138
Std Dev	Sigma	0.368499

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.35601831	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.71166668	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.77304678	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.20500	-0.33812
5.0	0.20500	-0.08699
10.0	0.23000	0.04689
25.0	0.25000	0.27059
50.0	0.27500	0.51914
75.0	0.92000	0.76769
90.0	1.10000	0.99139
95.0	1.10000	1.12526
99.0	1.20000	1.37639

Period of Record: January 1996 through December 2023
Analysis Days Only

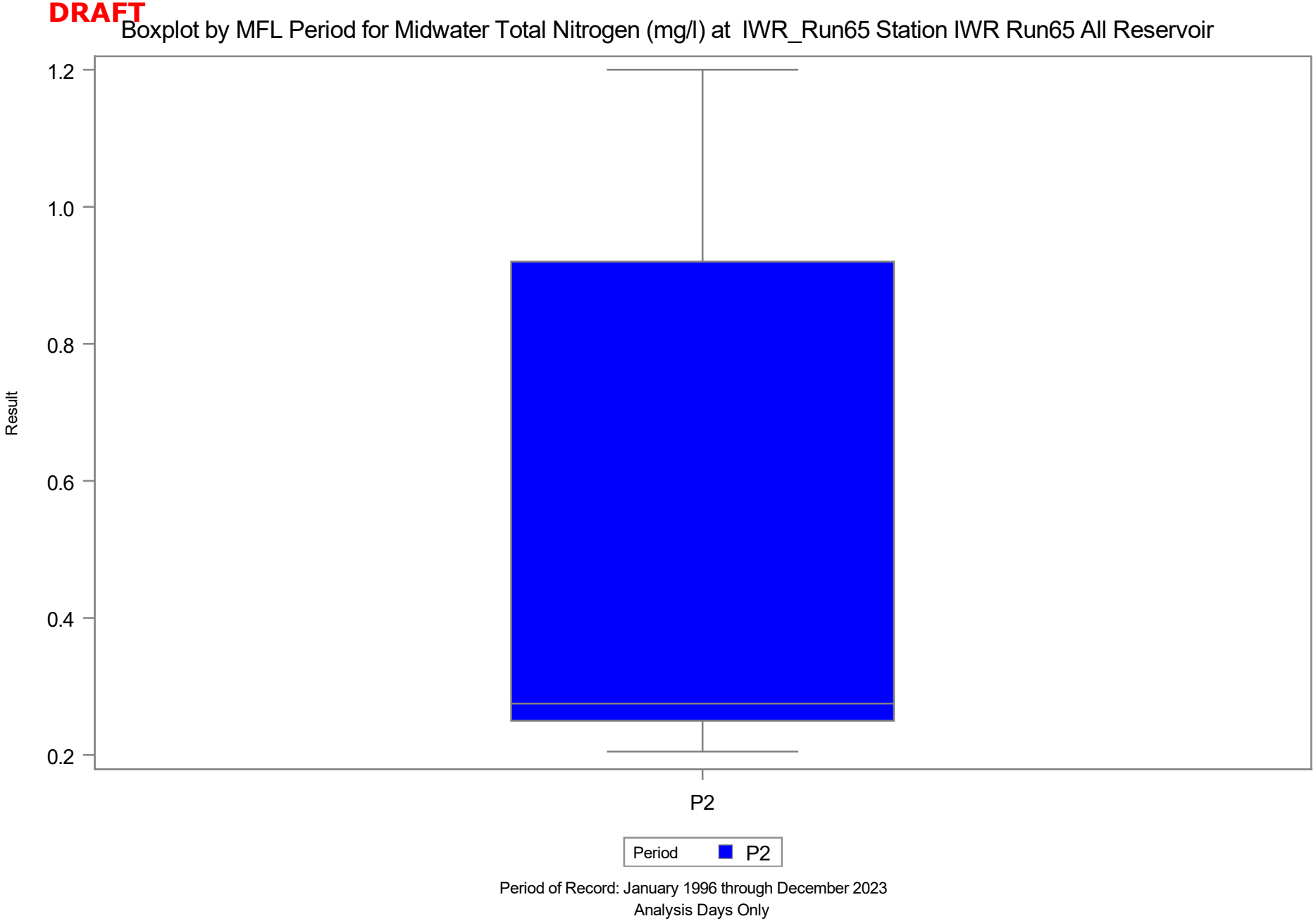
DRAFT

Distributional Statistics by Period for Midwater Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

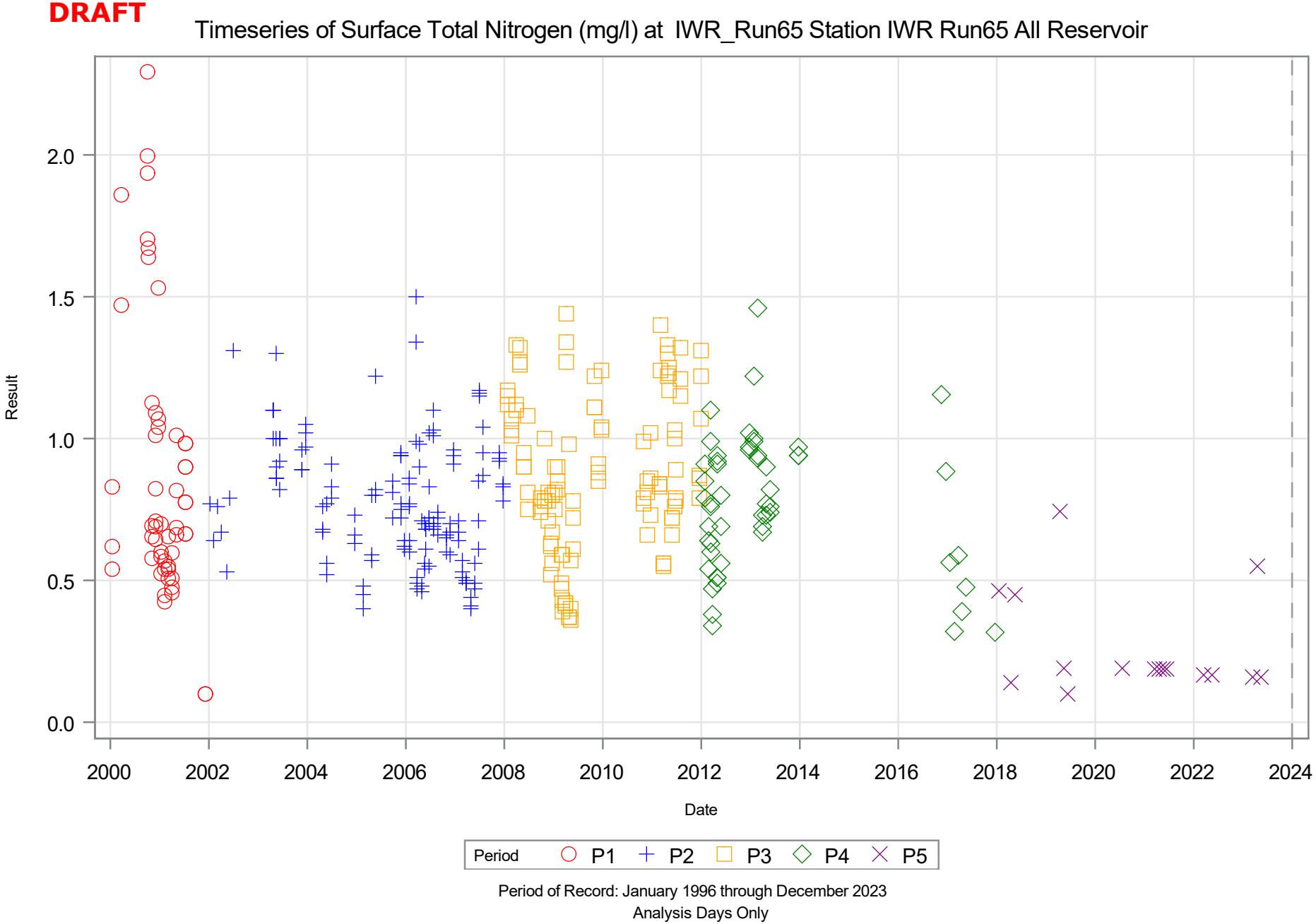
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	29	0.21	0.25	0.52	0.28	0.92	1.20

Period of Record: January 1996 through December 2023
Analysis Days Only

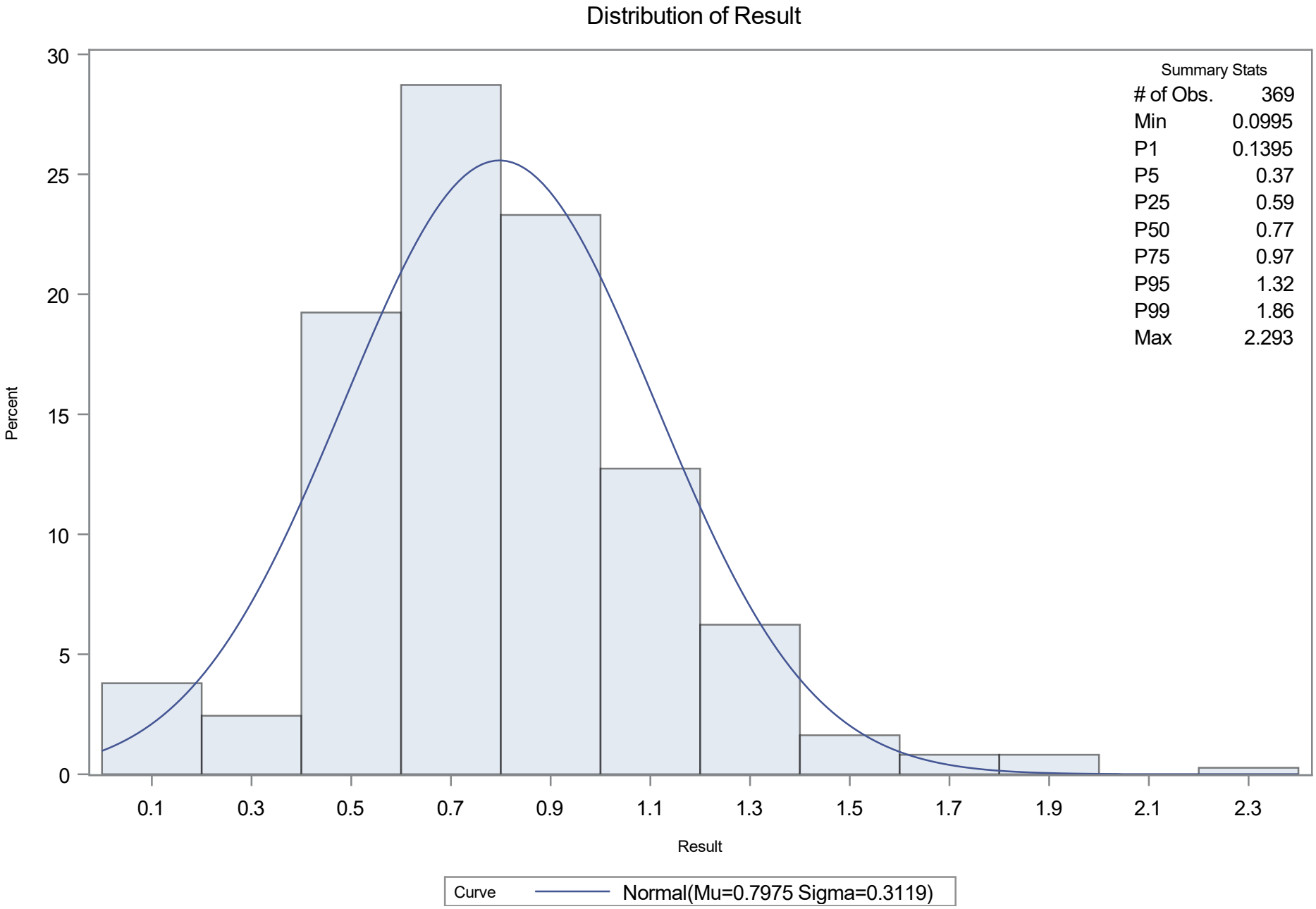
DRAFT


Boxplot by MFL Period for Midwater Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
1.2
1.0
0.8
0.6
0.4
0.2
Result
P2
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
2.0
1.5
1.0
0.5
0.0
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.797516
Std Dev	Sigma	0.311929

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.05747397	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.33183650	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.14704881	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.13950	0.07186
5.0	0.37000	0.28444
10.0	0.45600	0.39776
25.0	0.59000	0.58712
50.0	0.77000	0.79752
75.0	0.97000	1.00791
90.0	1.17000	1.19727
95.0	1.32000	1.31059
99.0	1.86000	1.52317

Period of Record: January 1996 through December 2023
Analysis Days Only

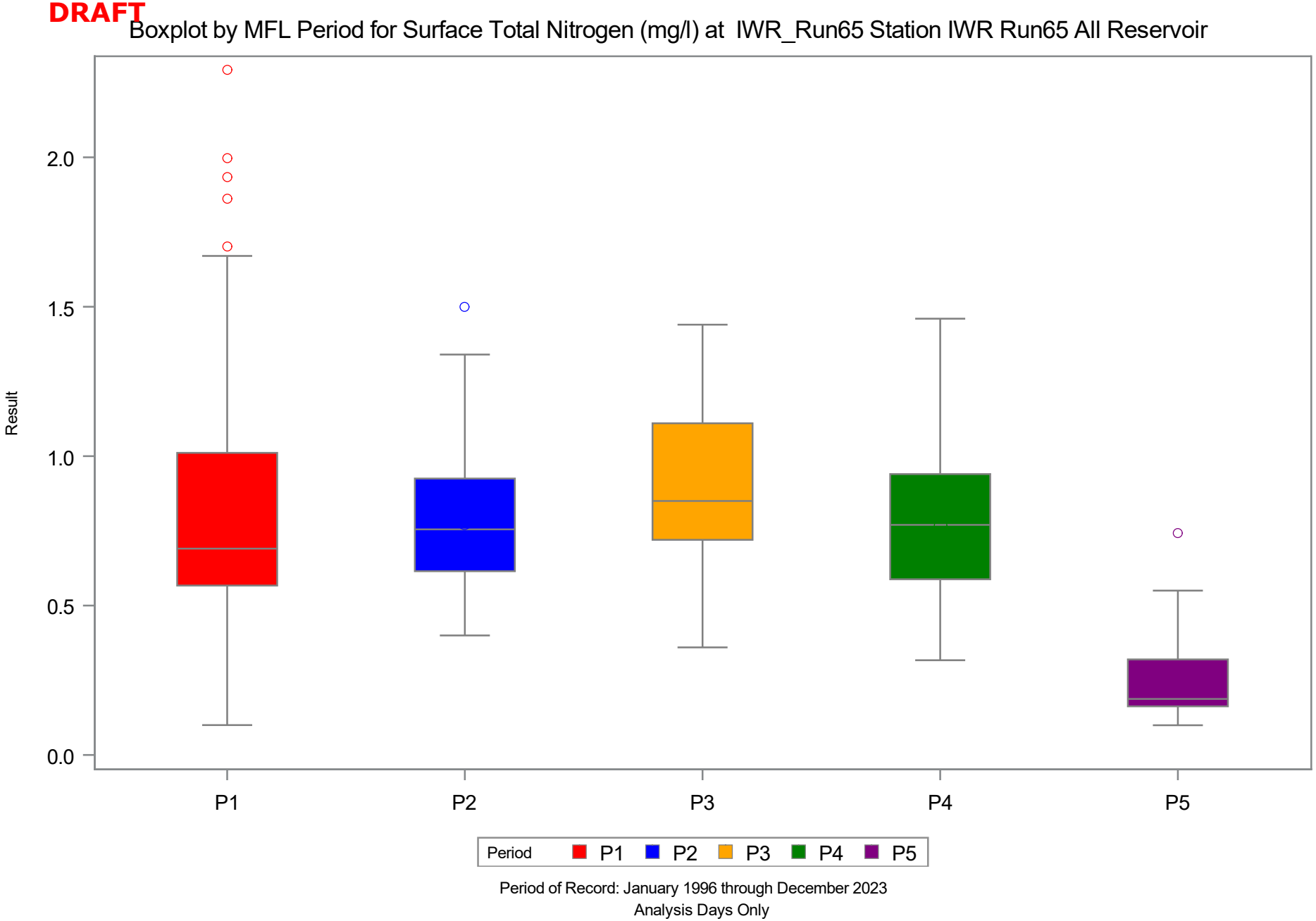
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	54	0.10	0.57	0.87	0.69	1.01	2.29
P2	136	0.40	0.62	0.78	0.76	0.93	1.50
P3	110	0.36	0.72	0.88	0.85	1.11	1.44
P4	53	0.32	0.59	0.77	0.77	0.94	1.46
P5	16	0.10	0.16	0.26	0.19	0.32	0.74

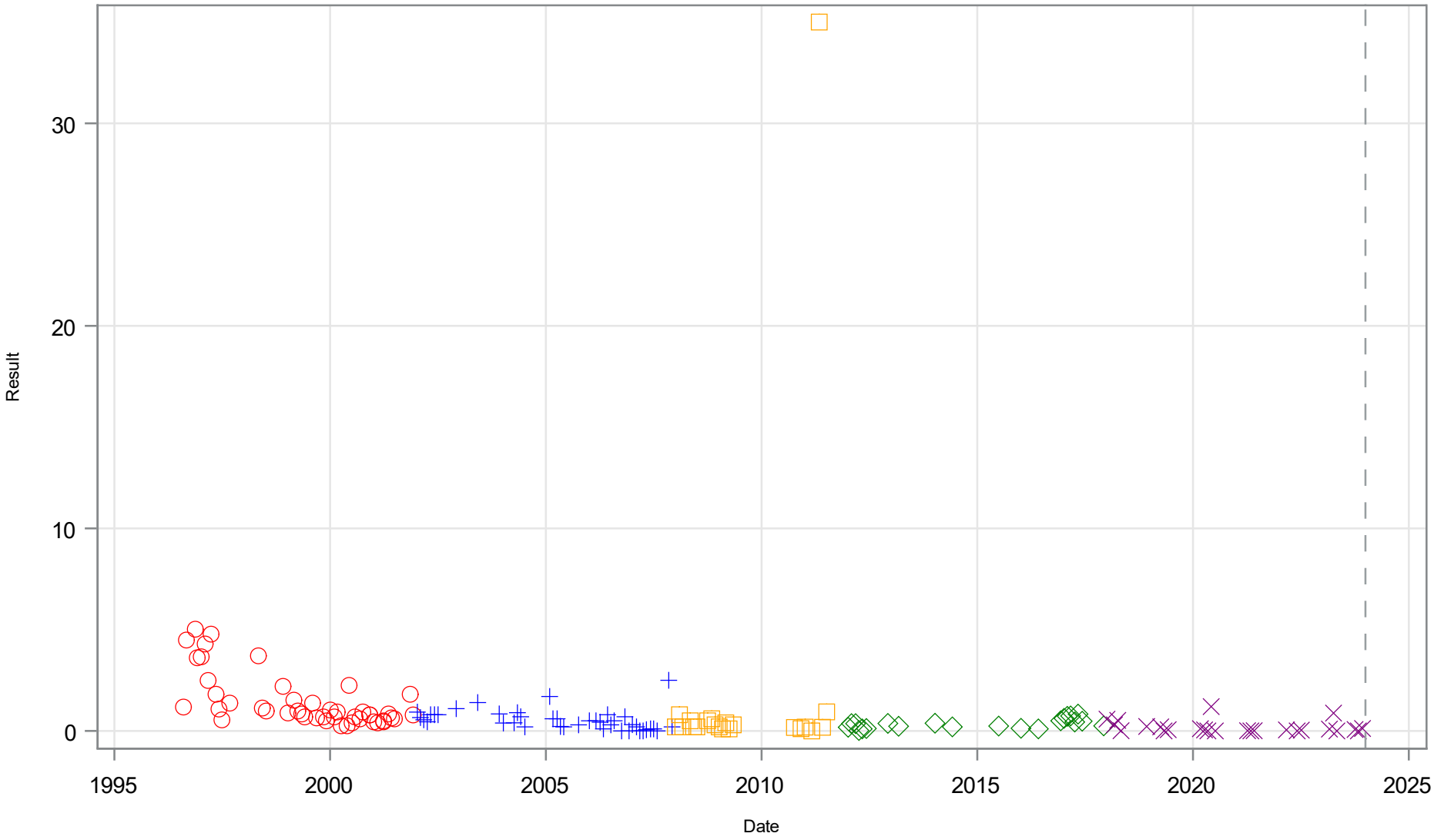
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
2.0
1.5
1.0
0.5
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

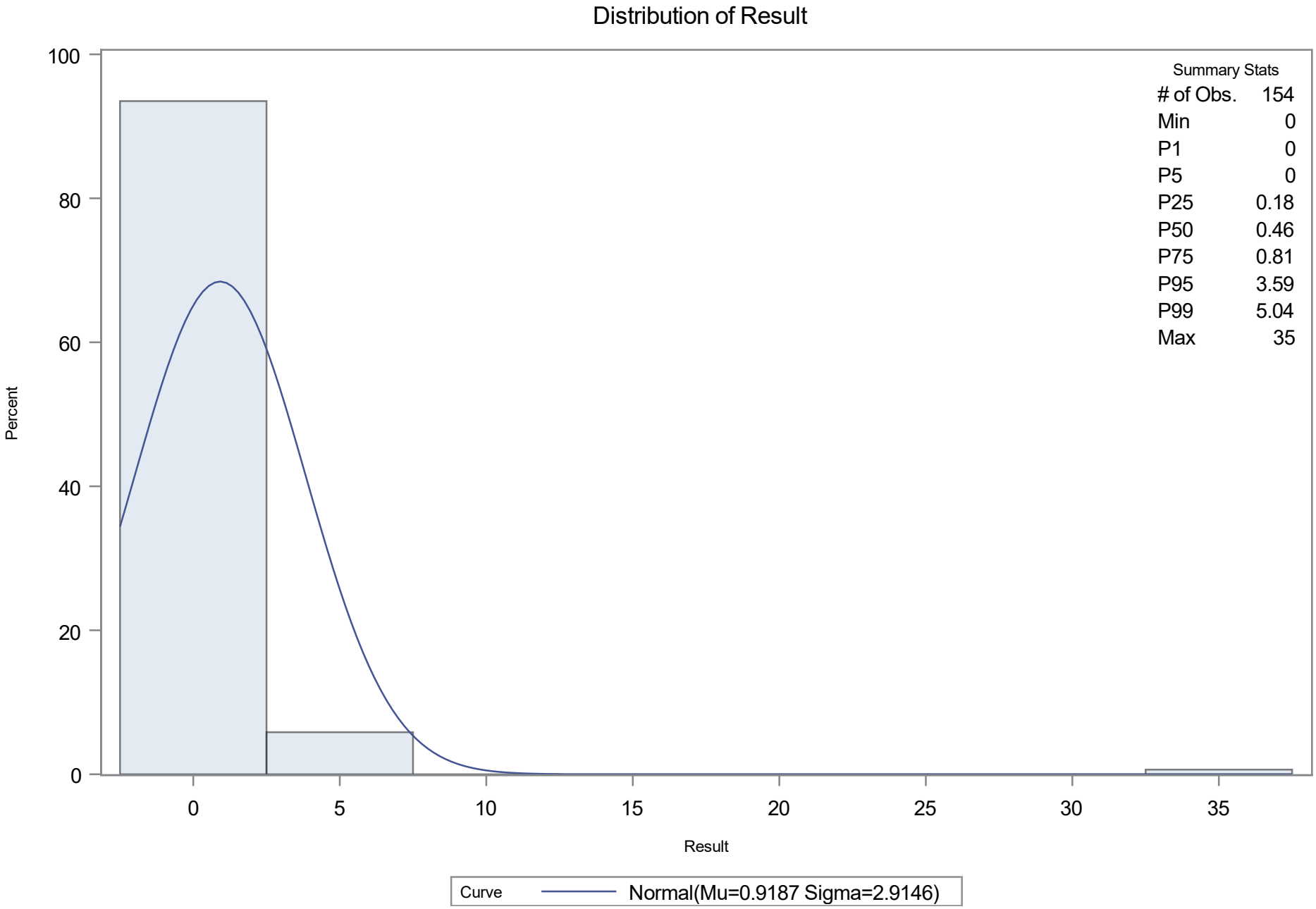
Timeseries of Surface Total Nitrogen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.918701
Std Dev	Sigma	2.914559

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3763007	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	6.9573186	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	34.6322662	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-5.86158
5.0	0.00000	-3.87532
10.0	0.01000	-2.81646
25.0	0.18000	-1.04714
50.0	0.46000	0.91870
75.0	0.81000	2.88454
90.0	1.53000	4.65386
95.0	3.59000	5.71272
99.0	5.04000	7.69898

Period of Record: January 1996 through December 2023
Analysis Days Only

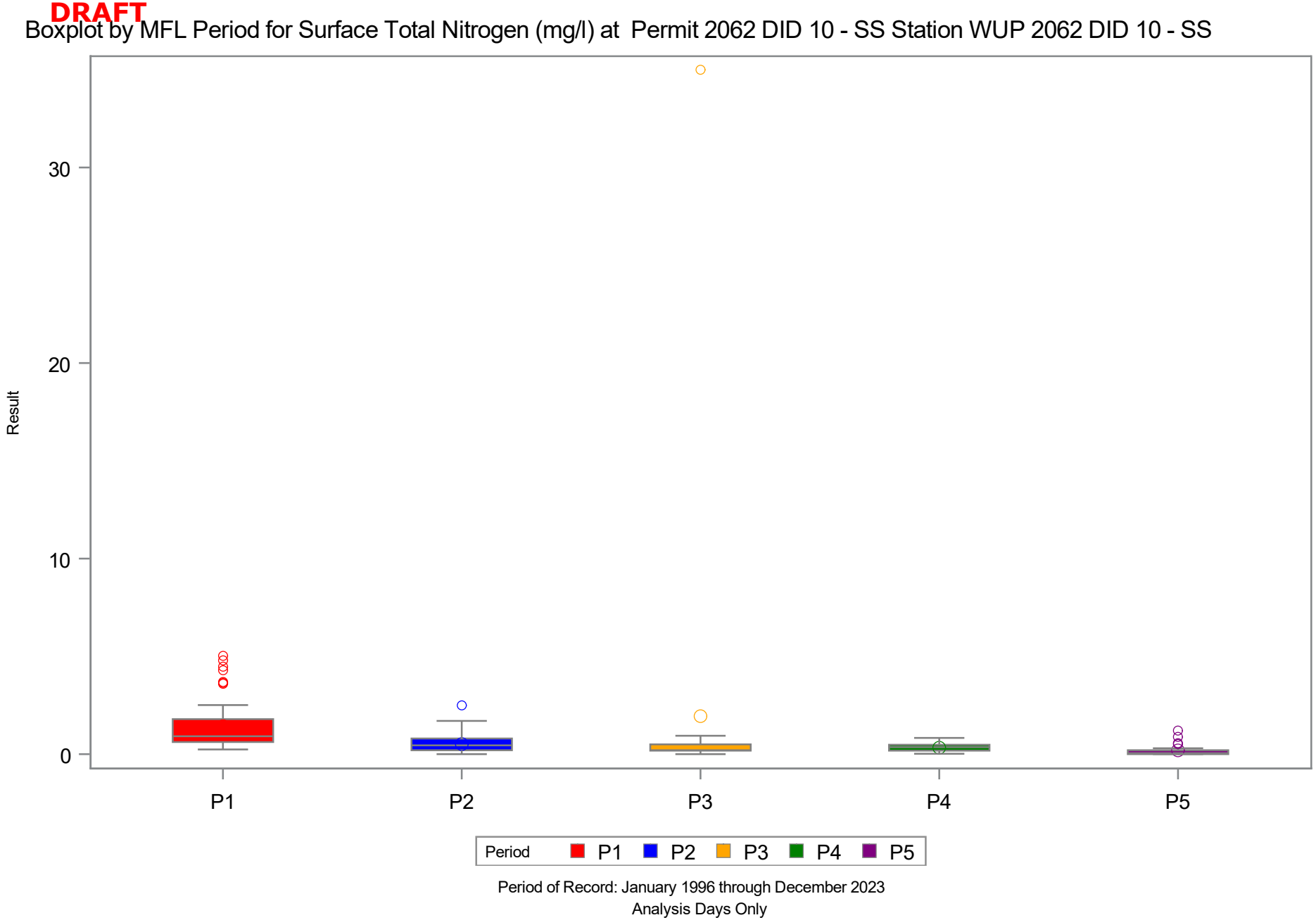
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

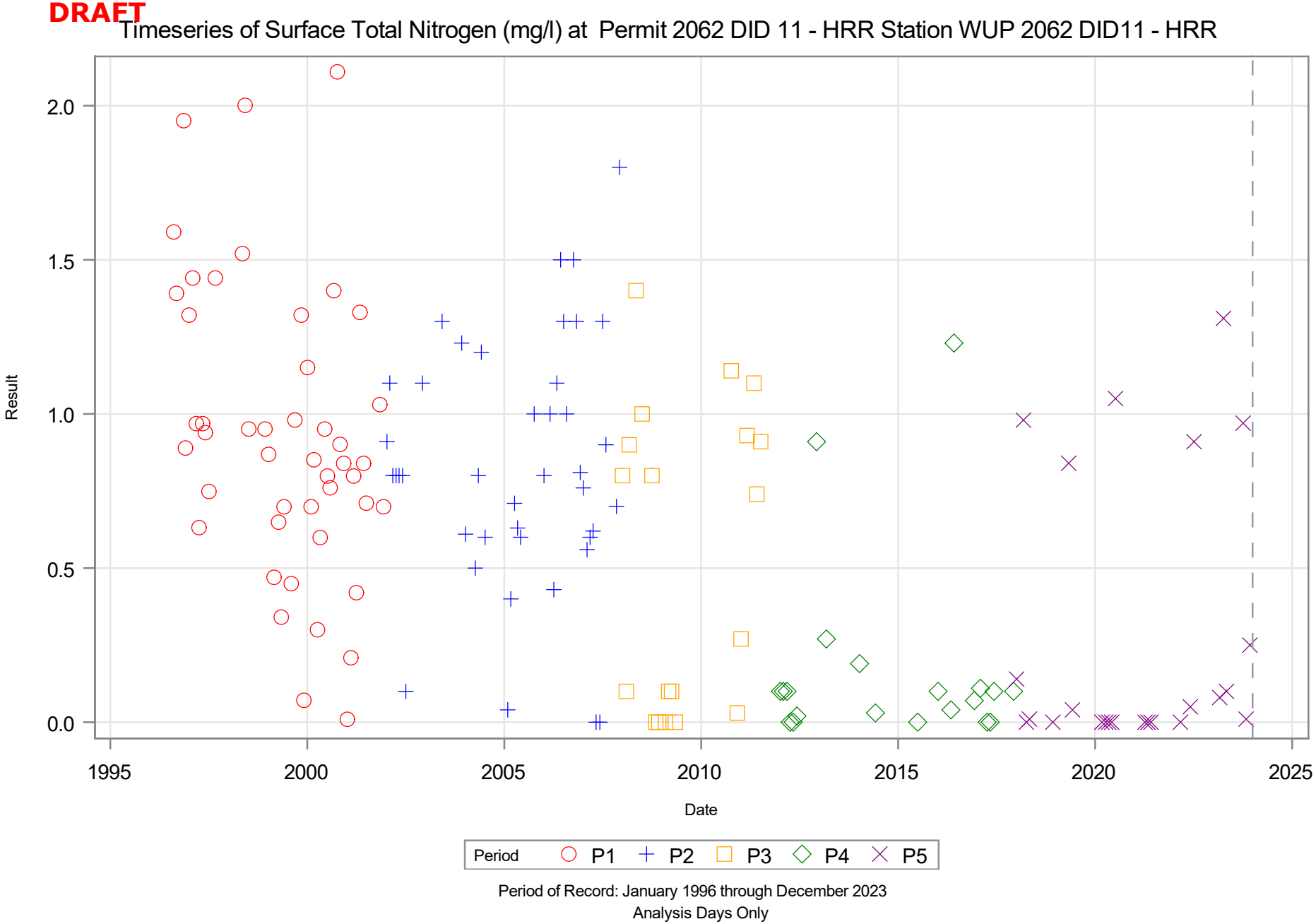
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.24	0.62	1.45	0.92	1.79	5.04
P2	41	0.00	0.20	0.53	0.45	0.80	2.50
P3	21	0.00	0.18	1.96	0.20	0.50	35.00
P4	21	0.02	0.18	0.35	0.36	0.48	0.83
P5	25	0.00	0.00	0.18	0.05	0.20	1.20

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

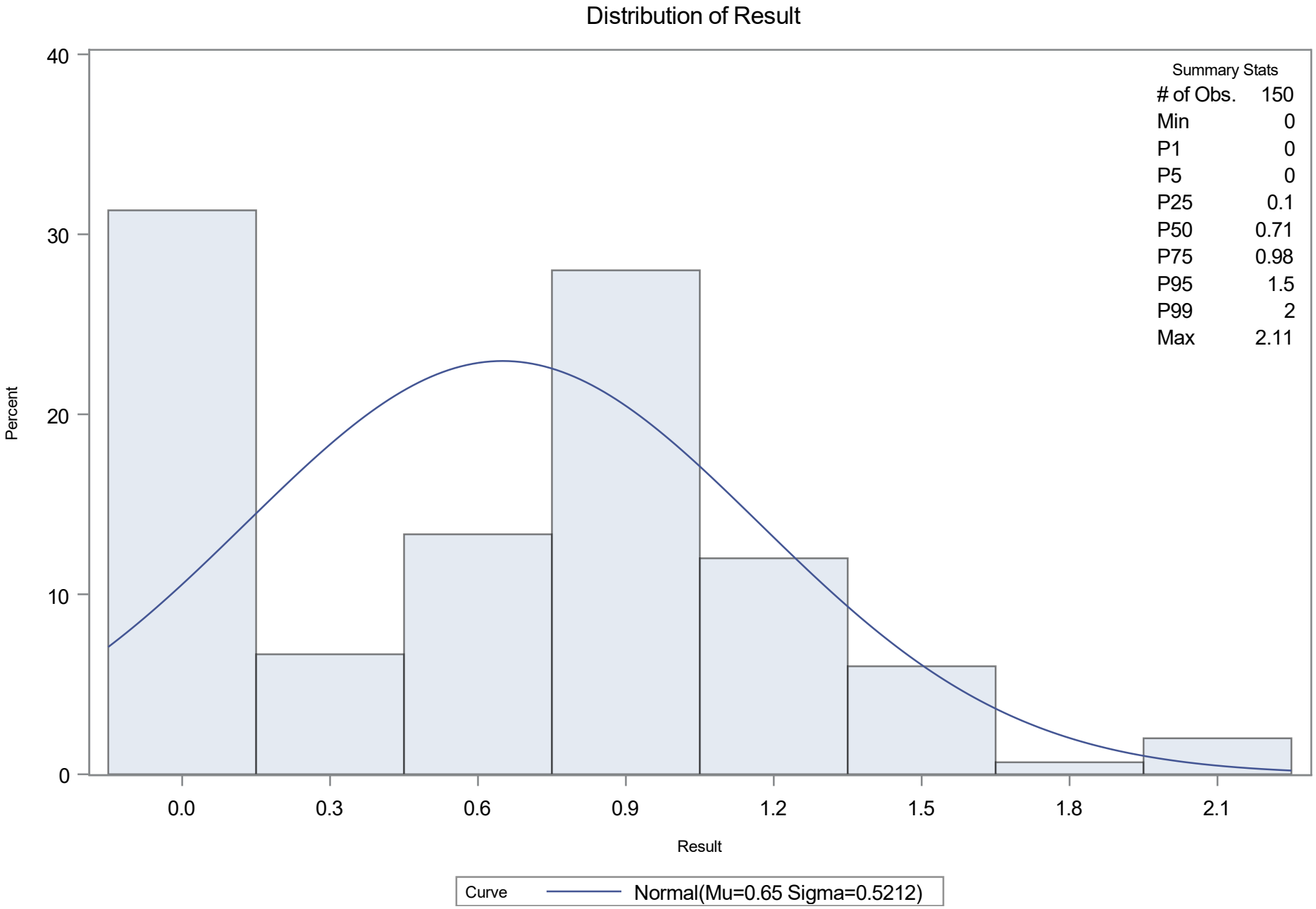

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
30
20
10
0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR
Result
2.0
1.5
1.0
0.5
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.65
Std Dev	Sigma	0.521235

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.15656585	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.49518108	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	3.58124393	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.56257
5.0	0.00000	-0.20736
10.0	0.00000	-0.01799
25.0	0.10000	0.29843
50.0	0.71000	0.65000
75.0	0.98000	1.00157
90.0	1.32000	1.31799
95.0	1.50000	1.50736
99.0	2.00000	1.86257

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

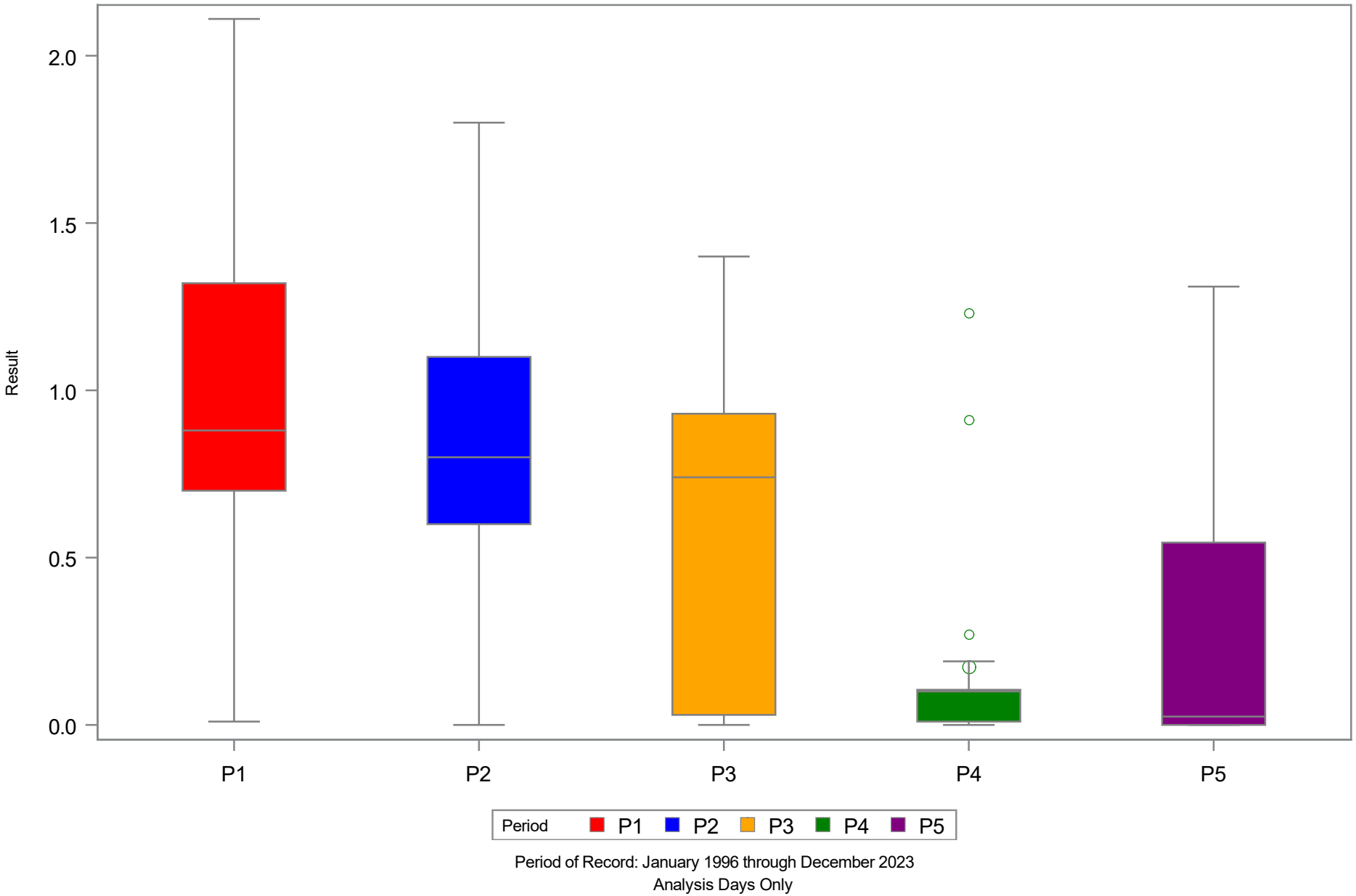
Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.01	0.70	0.93	0.88	1.32	2.11
P2	41	0.00	0.60	0.83	0.80	1.10	1.80
P3	19	0.00	0.03	0.54	0.74	0.93	1.40
P4	20	0.00	0.01	0.17	0.10	0.11	1.23
P5	24	0.00	0.00	0.28	0.03	0.55	1.31

Period of Record: January 1996 through December 2023
Analysis Days Only

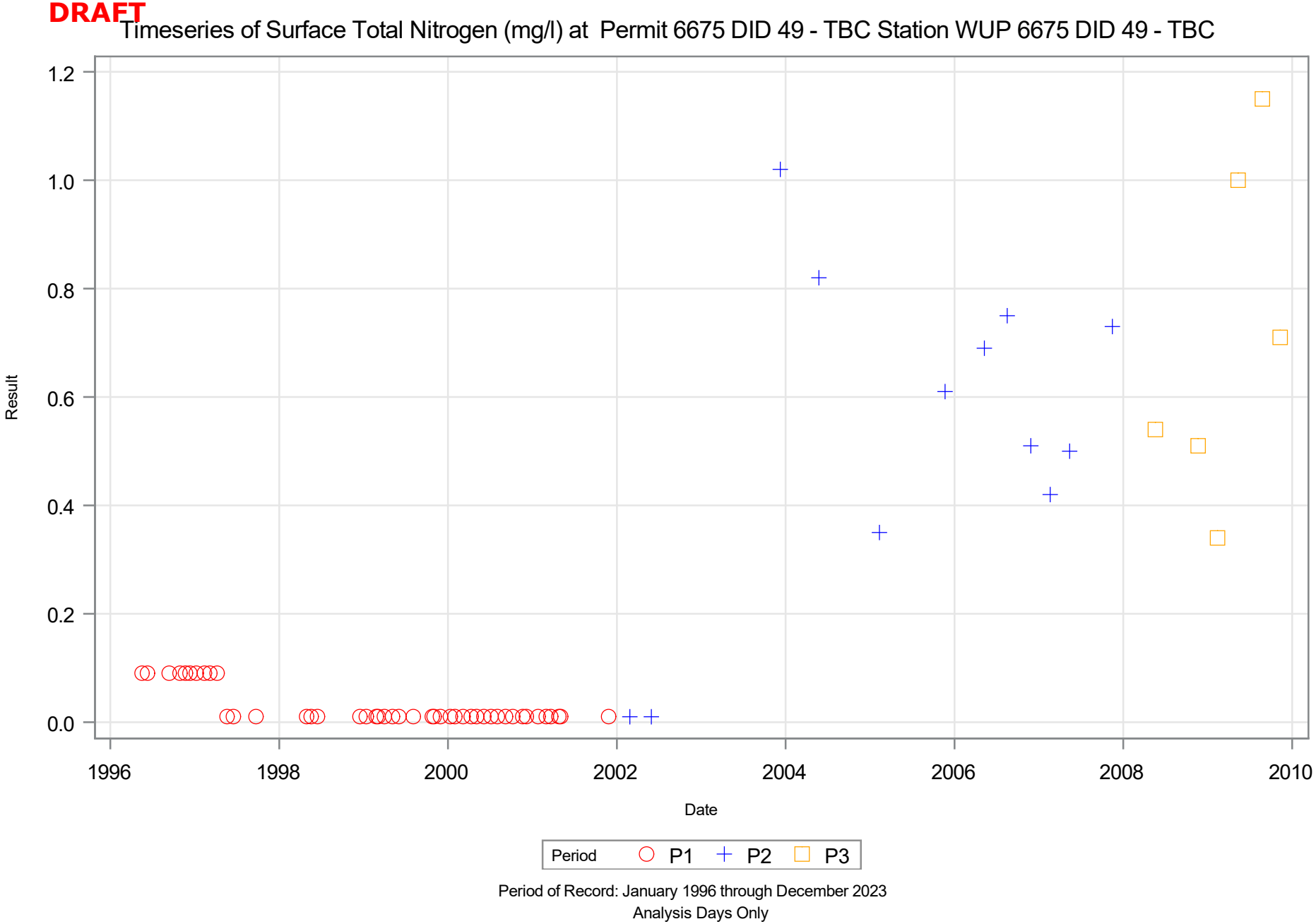
DRAFT

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



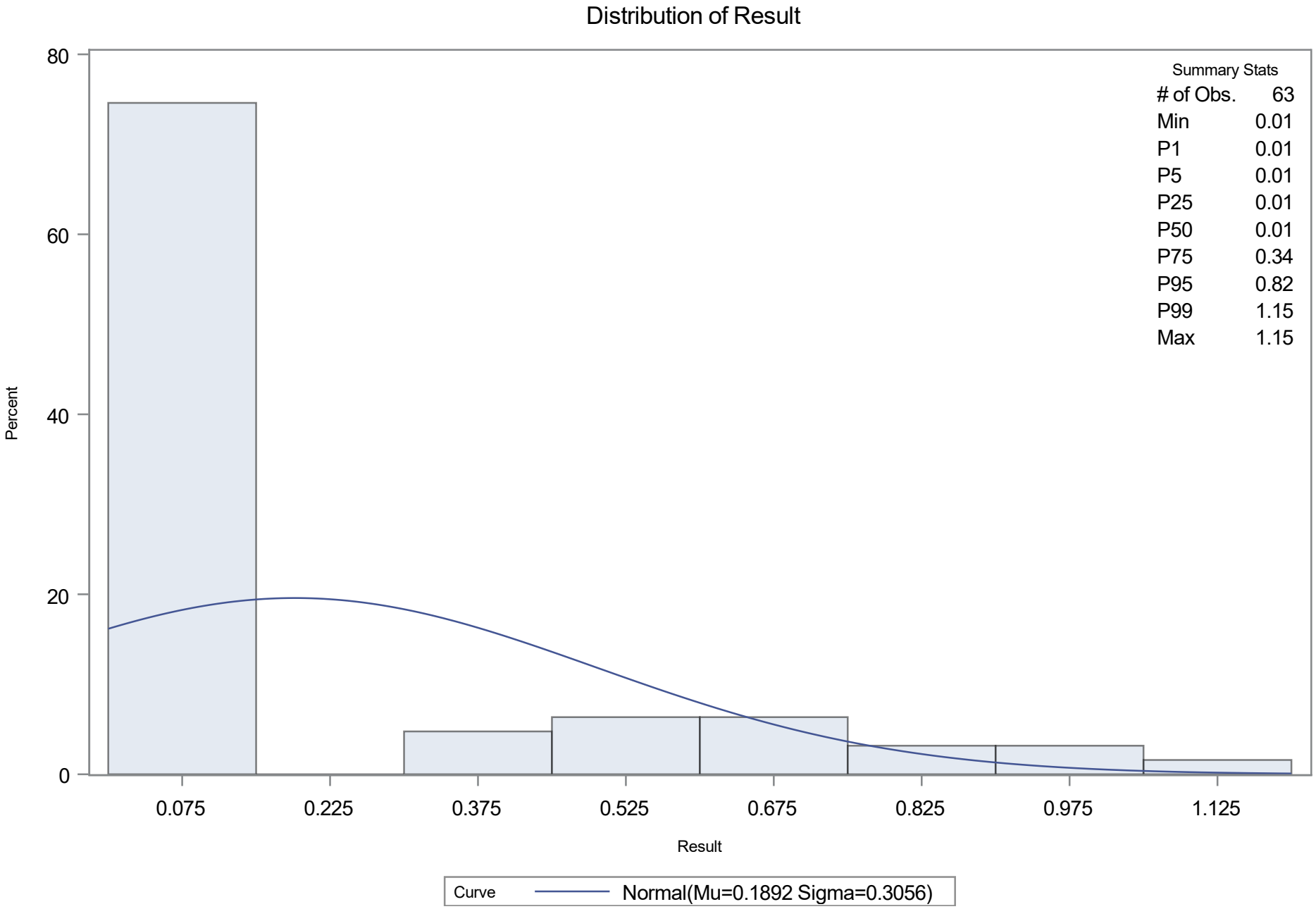
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC
Result
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1996
1998
2000
2002
2004
2006
2008
2010
Date
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.189206
Std Dev	Sigma	0.305558

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.37331749	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.98808189	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	9.96472787	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-0.52163
5.0	0.01000	-0.31339
10.0	0.01000	-0.20238
25.0	0.01000	-0.01689
50.0	0.01000	0.18921
75.0	0.34000	0.39530
90.0	0.71000	0.58079
95.0	0.82000	0.69180
99.0	1.15000	0.90004

Period of Record: January 1996 through December 2023
Analysis Days Only

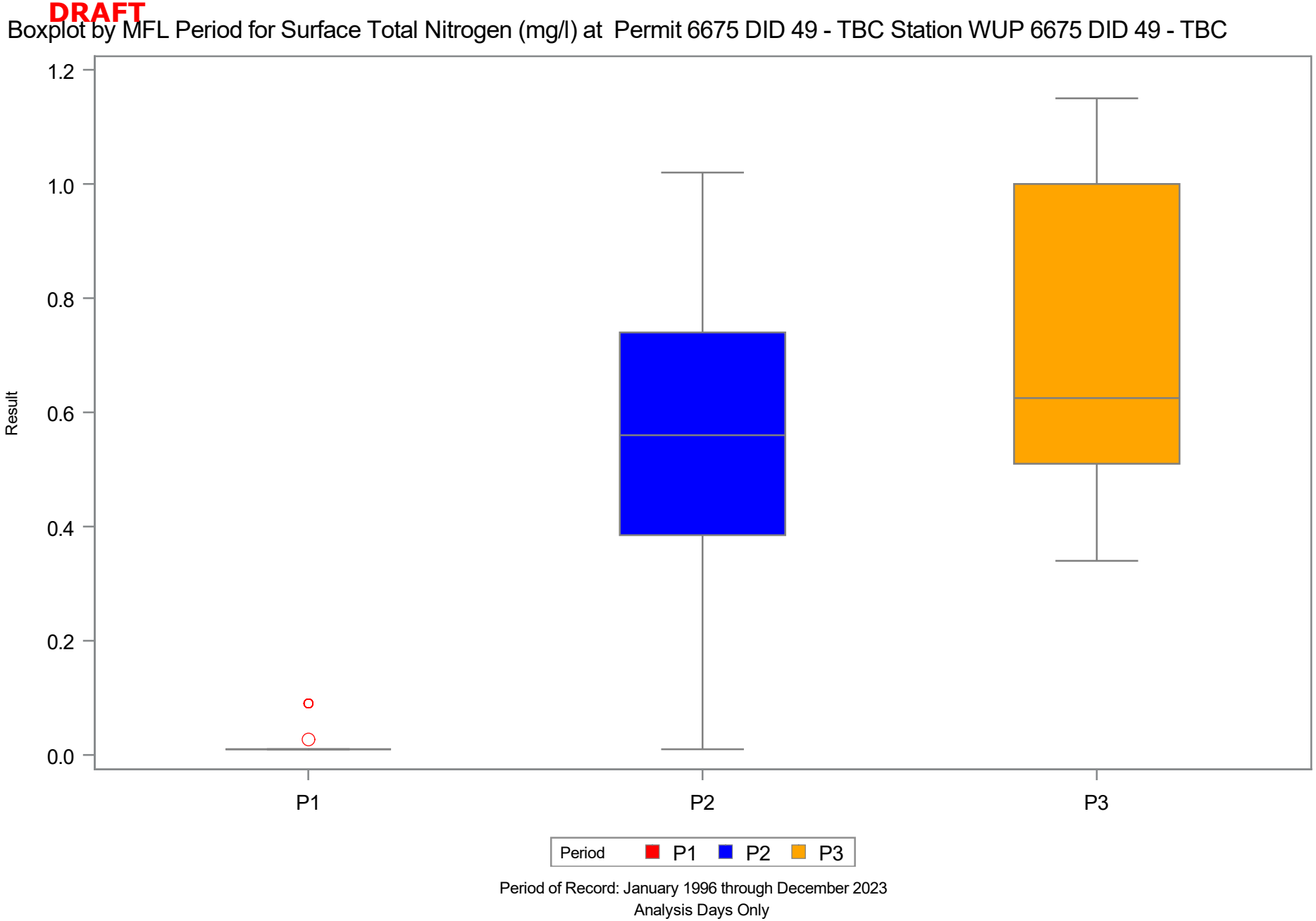
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

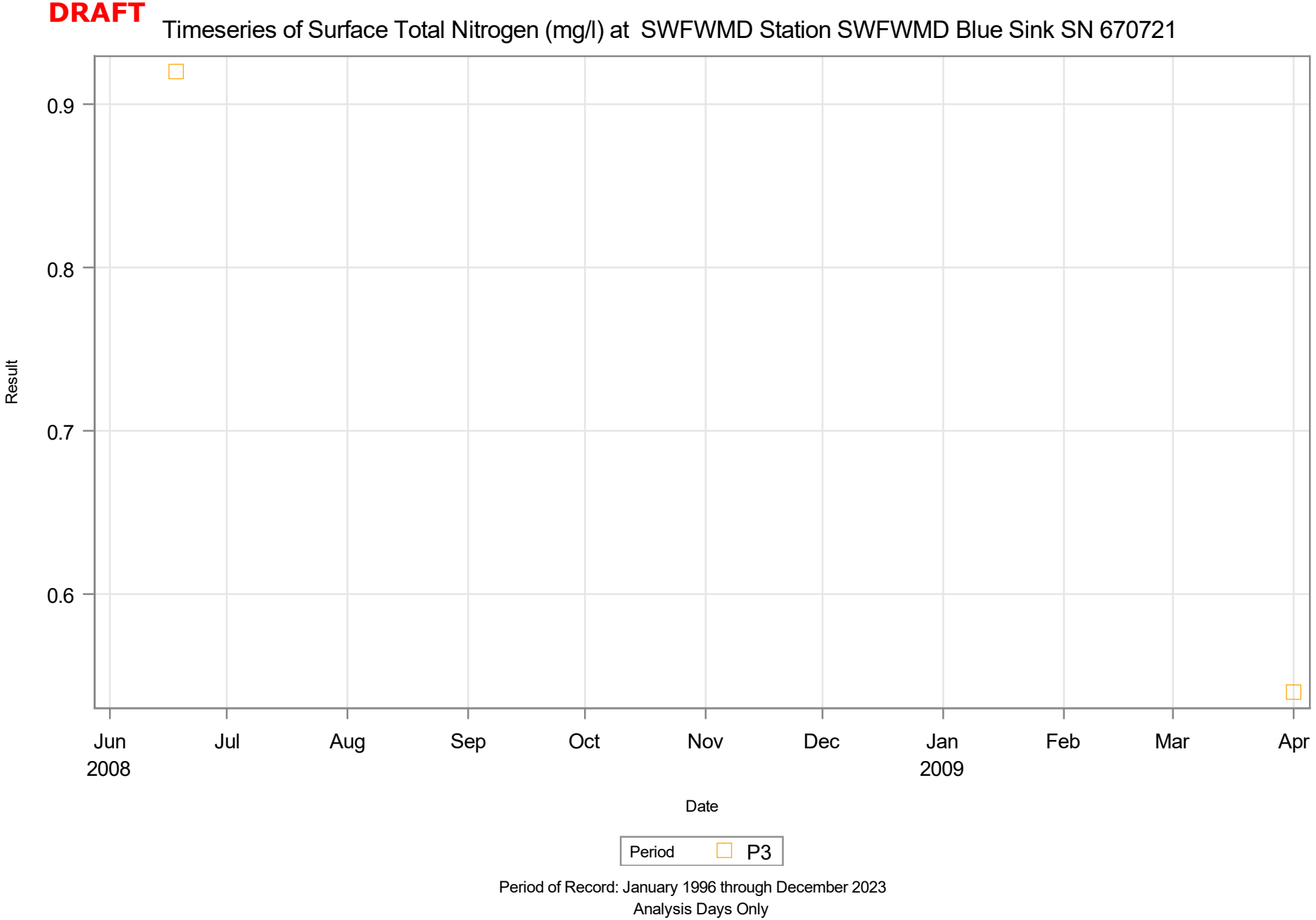
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	0.01	0.01	0.03	0.01	0.01	0.09
P2	12	0.01	0.39	0.54	0.56	0.74	1.02
P3	6	0.34	0.51	0.71	0.63	1.00	1.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

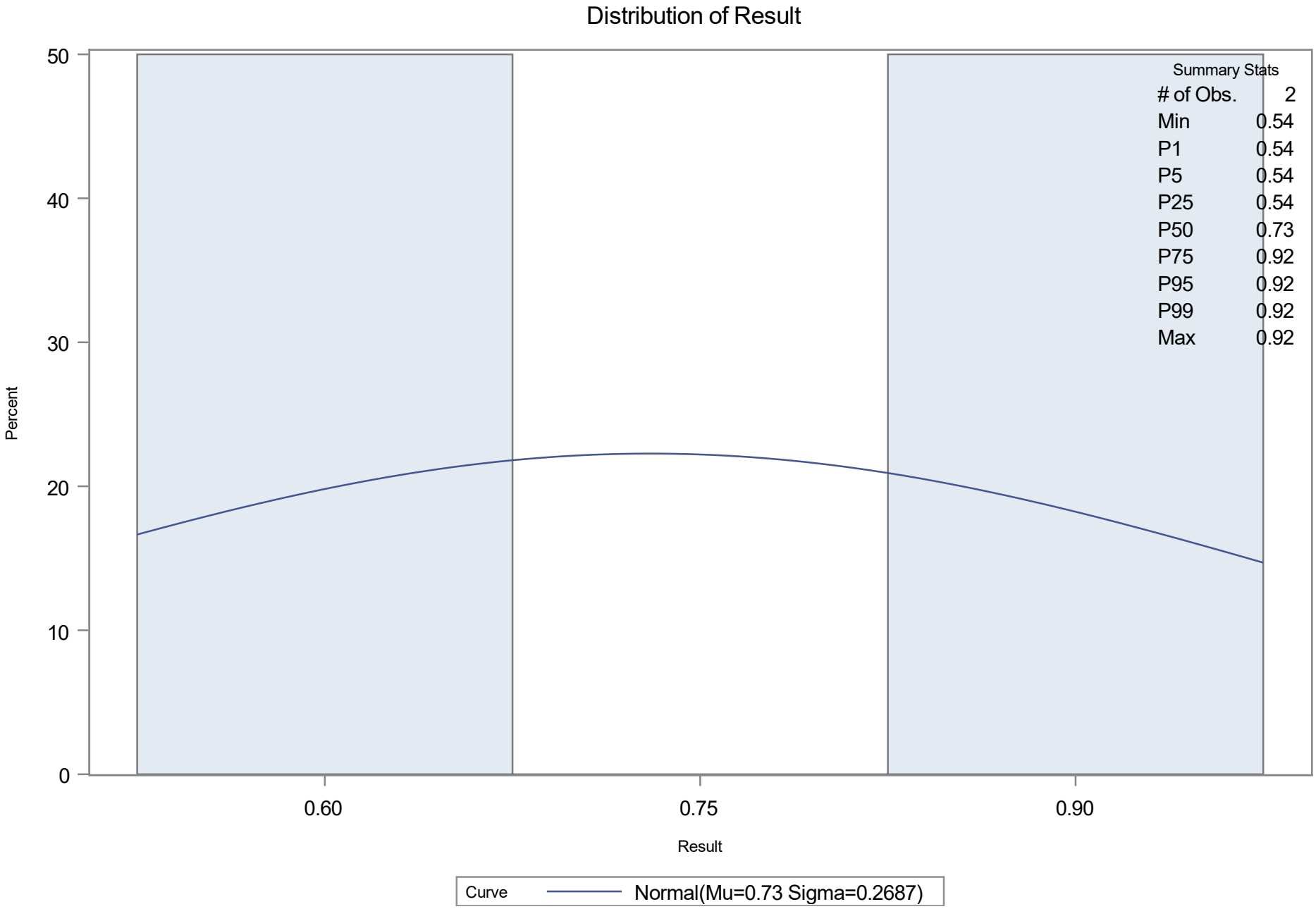

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC
Result
1.2
1.0
0.8
0.6
0.4
0.2
0.0
P1
P2
P3
Period
P1
P2
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721
Result
0.9
0.8
0.7
0.6
Jun
2008
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2009
Feb
Mar
Apr
Date
Period
P3
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.73
Std Dev	Sigma	0.268701

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.54000	0.10491
5.0	0.54000	0.28803
10.0	0.54000	0.38565
25.0	0.54000	0.54876
50.0	0.73000	0.73000
75.0	0.92000	0.91124
90.0	0.92000	1.07435
95.0	0.92000	1.17197
99.0	0.92000	1.35509

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

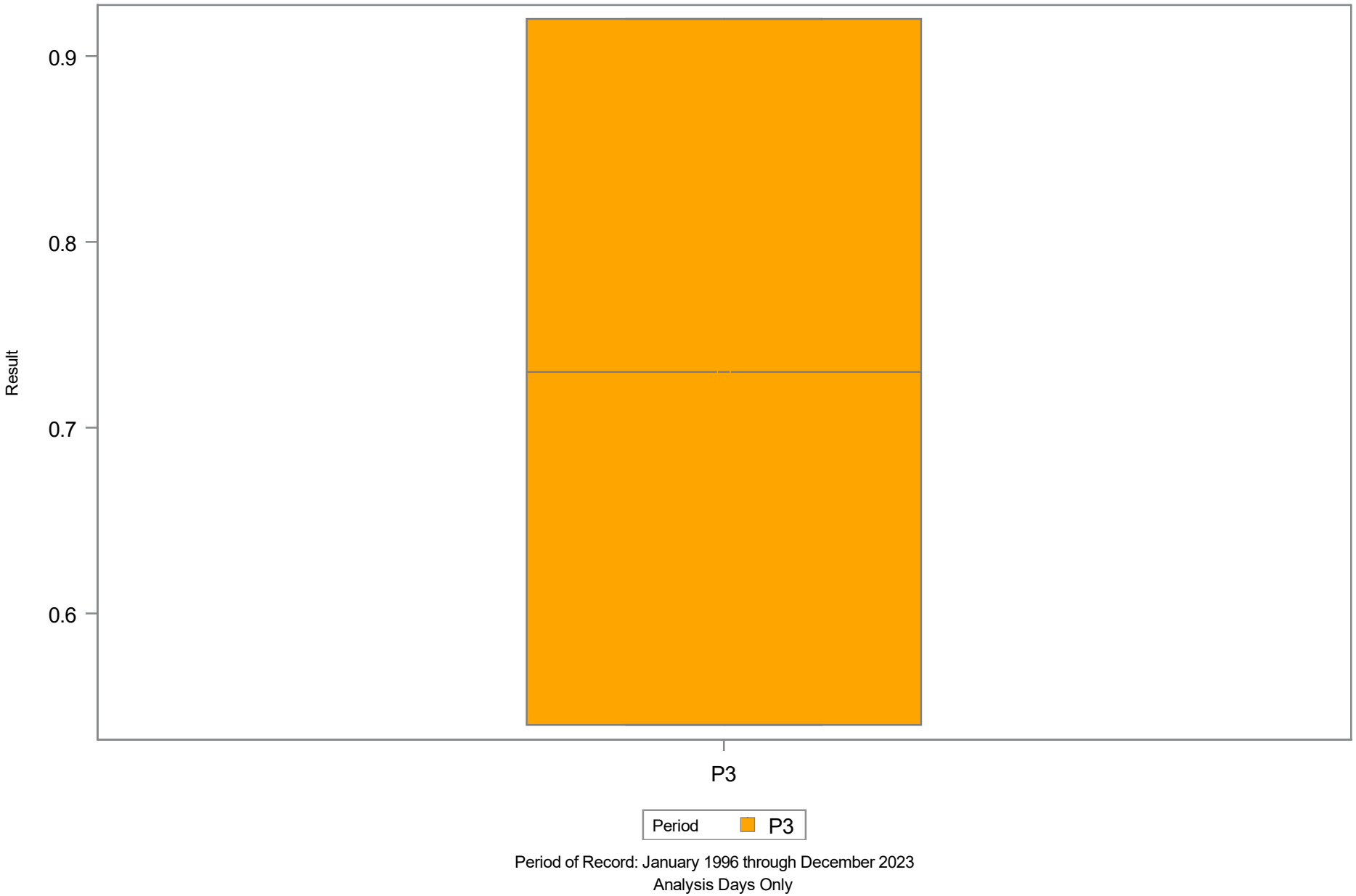
Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	2	0.54	0.54	0.73	0.73	0.92	0.92

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

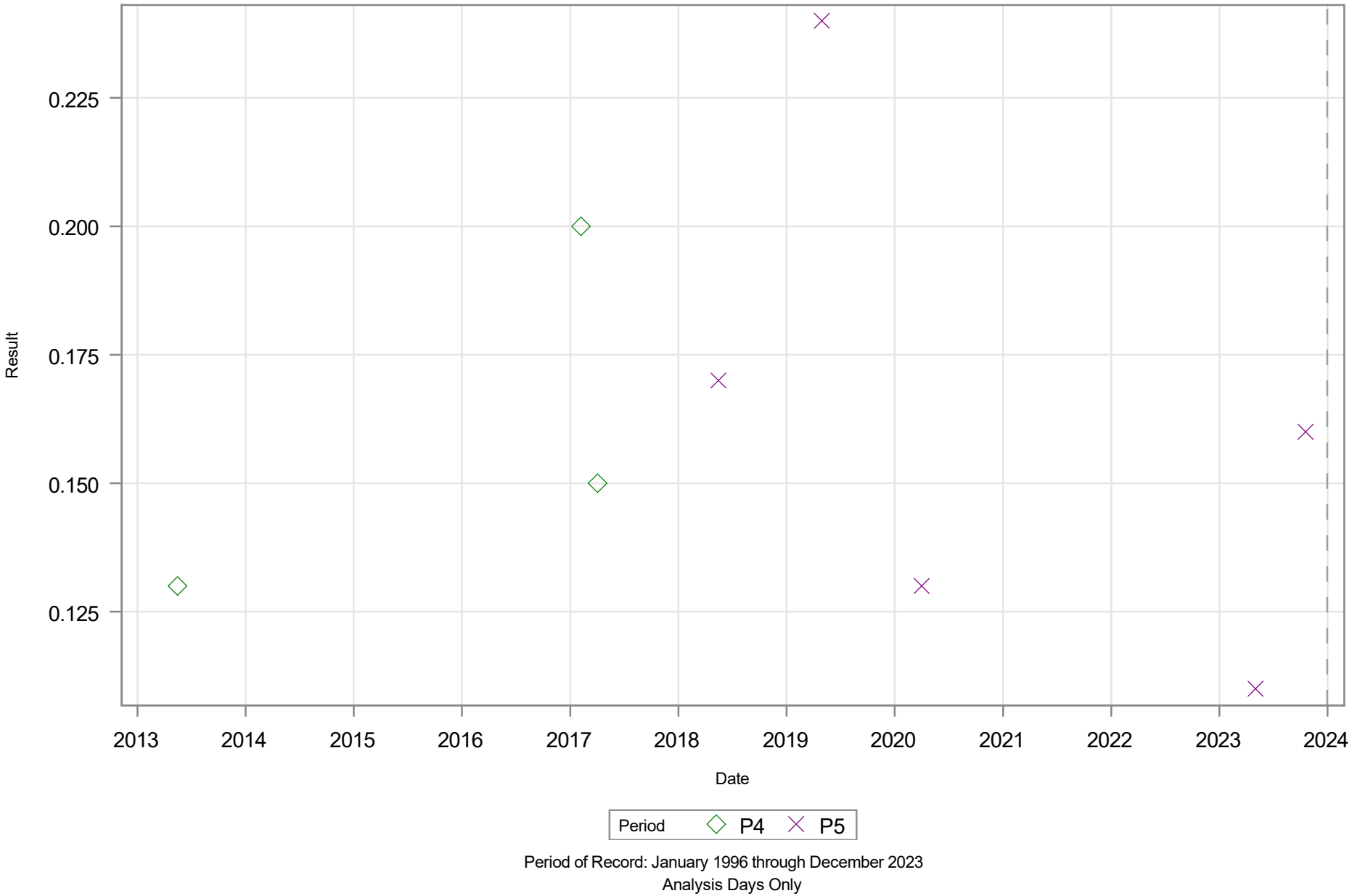
Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

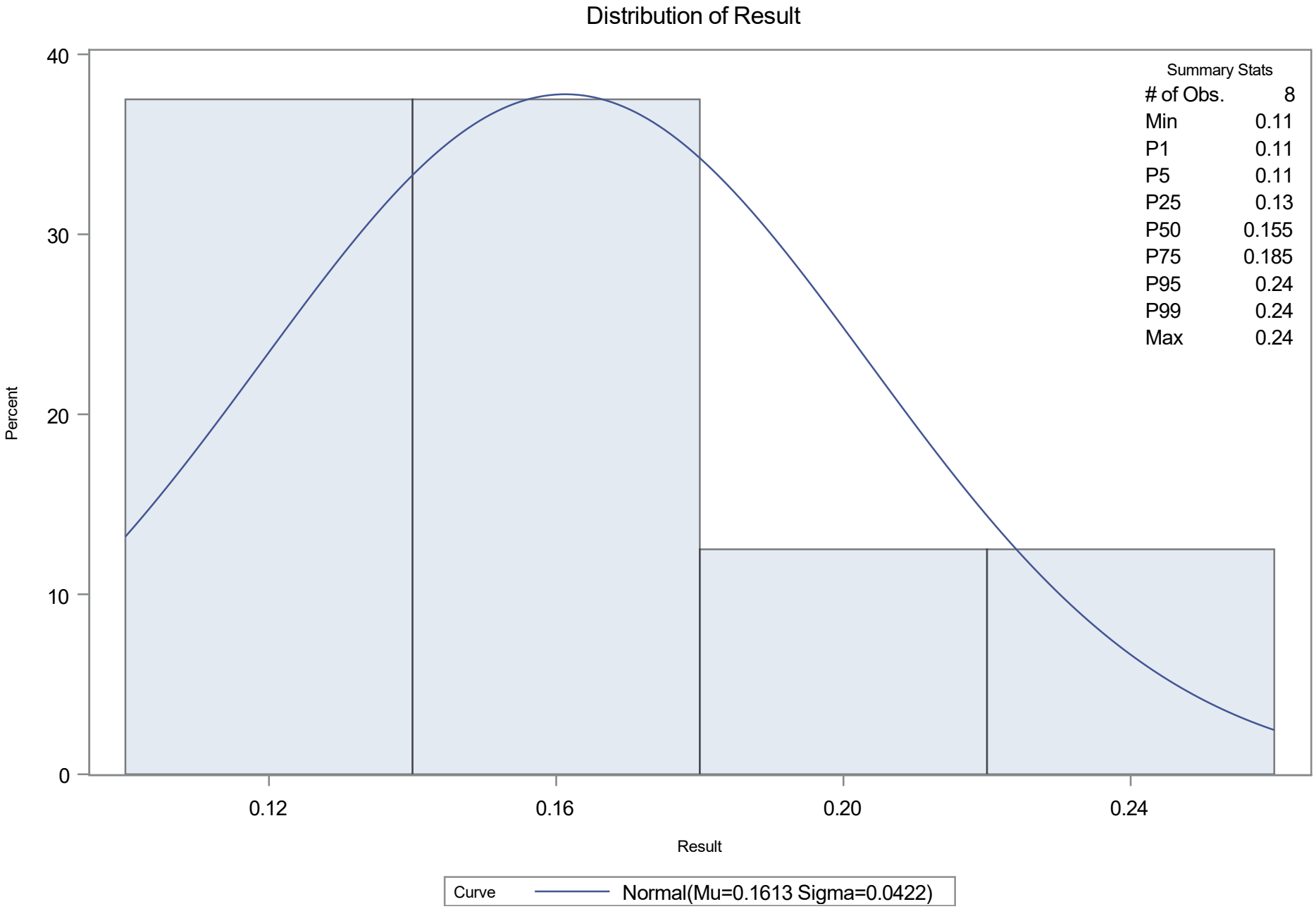
Timeseries of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.16125
Std Dev	Sigma	0.042237

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16793995	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04104891	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.26962030	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	0.06299
5.0	0.11000	0.09178
10.0	0.11000	0.10712
25.0	0.13000	0.13276
50.0	0.15500	0.16125
75.0	0.18500	0.18974
90.0	0.24000	0.21538
95.0	0.24000	0.23072
99.0	0.24000	0.25951

Period of Record: January 1996 through December 2023
Analysis Days Only

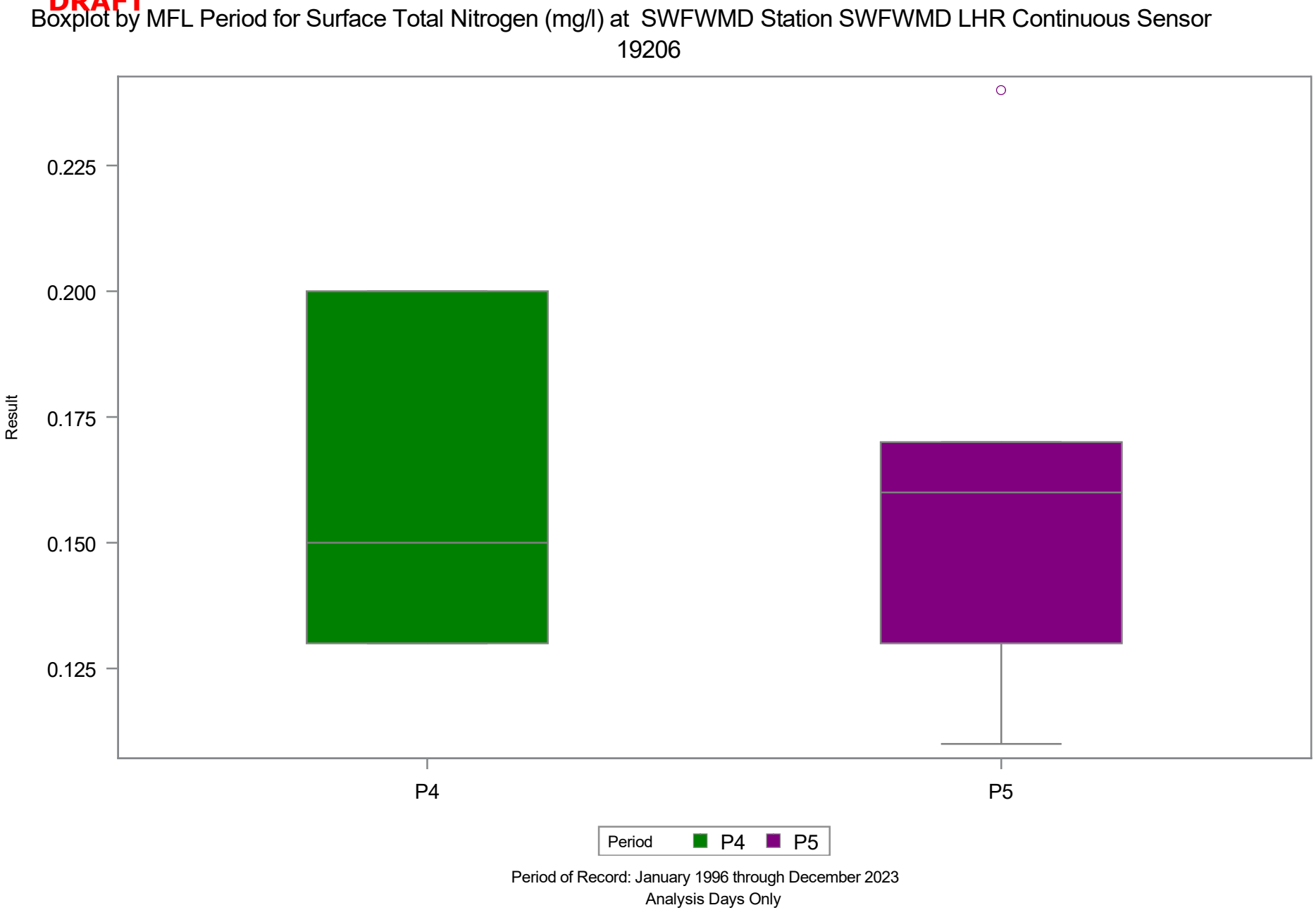
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

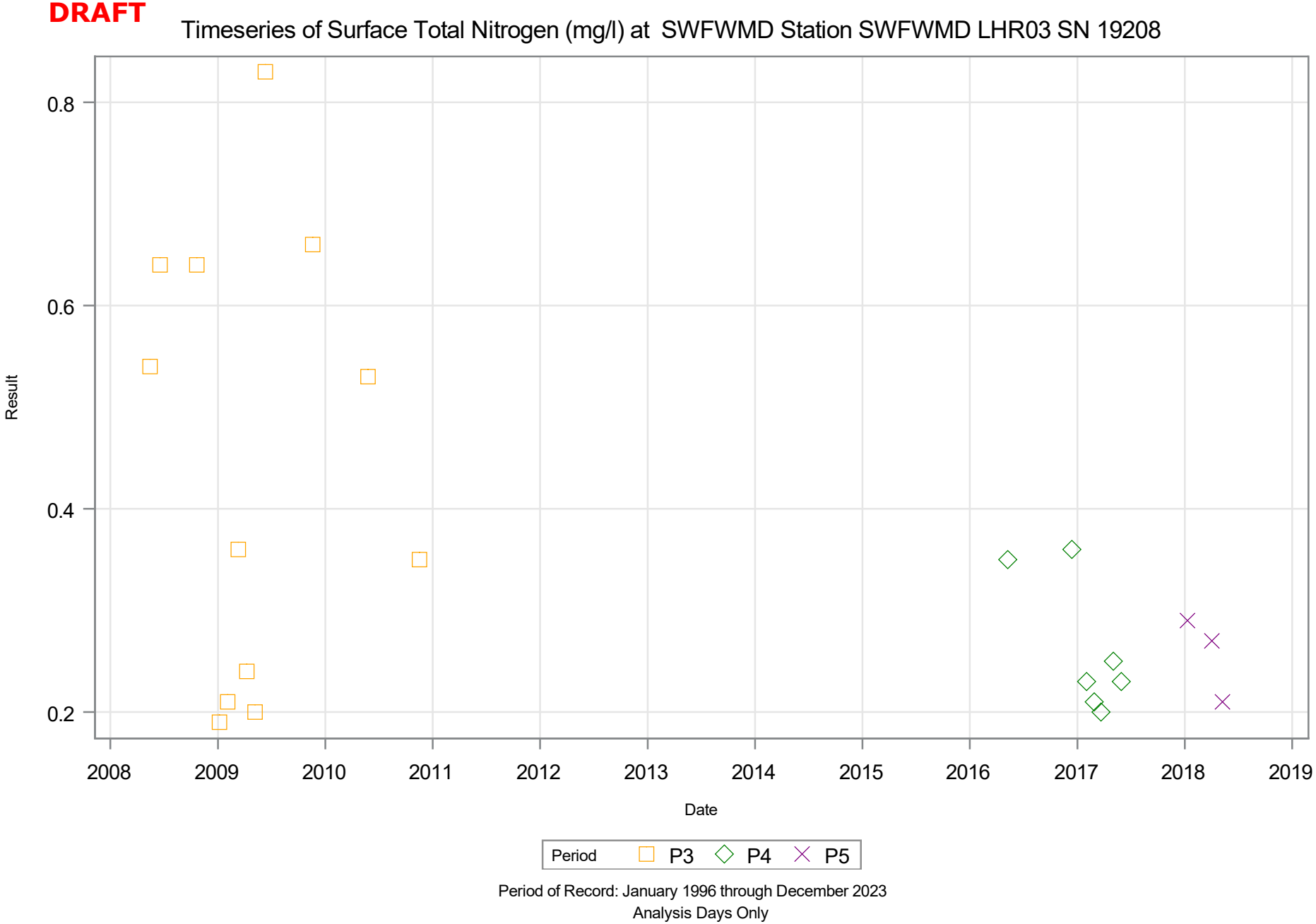
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	3	0.13	0.13	0.16	0.15	0.20	0.20
P5	5	0.11	0.13	0.16	0.16	0.17	0.24

Period of Record: January 1996 through December 2023
Analysis Days Only

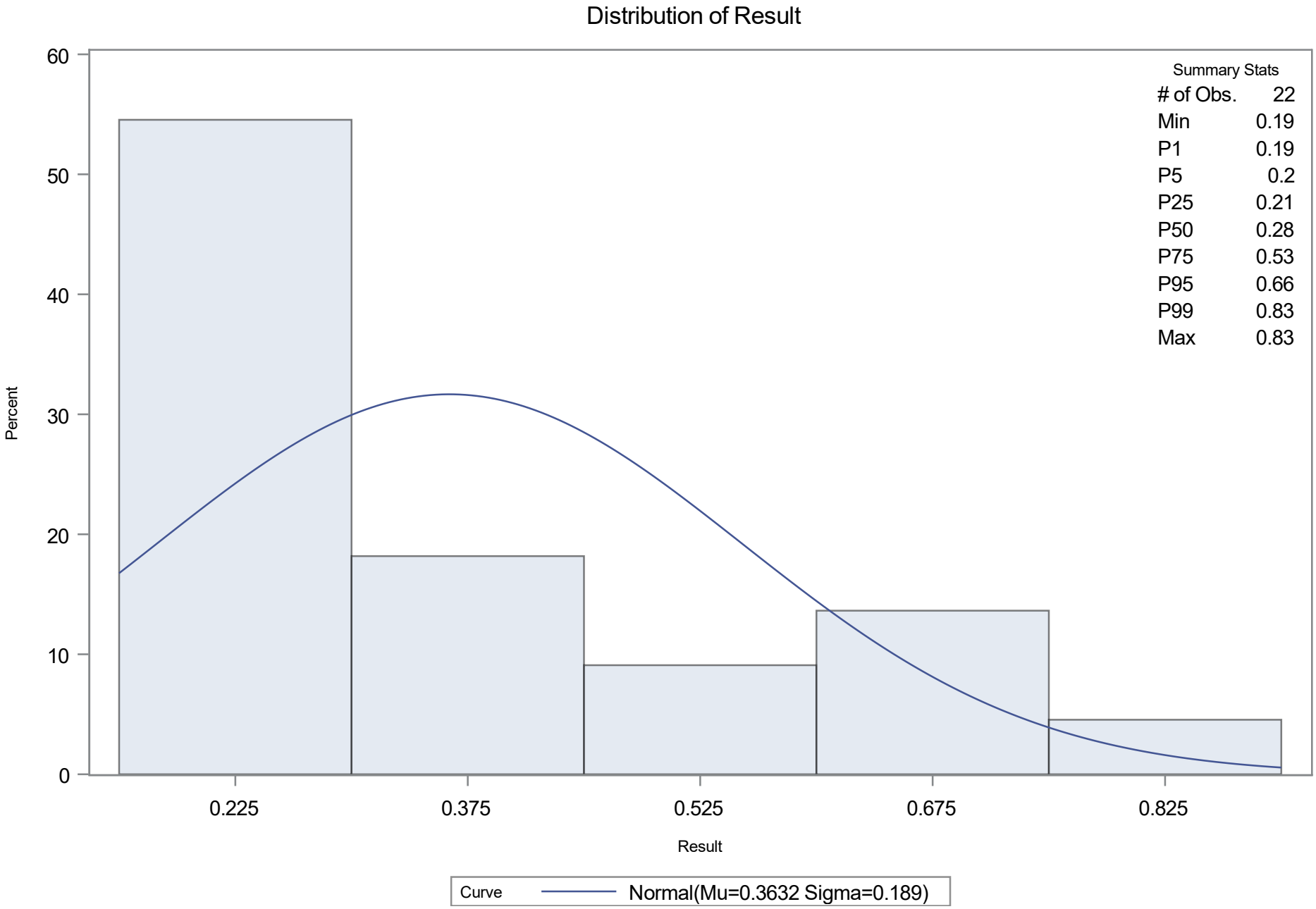
DRAFT


Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206
Result
0.225
0.200
0.175
0.150
0.125
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0.8
0.6
0.4
0.2
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.363182
Std Dev	Sigma	0.188967

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23398979	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.28292163	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.57287750	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.19000	-0.07642
5.0	0.20000	0.05236
10.0	0.20000	0.12101
25.0	0.21000	0.23573
50.0	0.28000	0.36318
75.0	0.53000	0.49064
90.0	0.64000	0.60535
95.0	0.66000	0.67400
99.0	0.83000	0.80278

Period of Record: January 1996 through December 2023
Analysis Days Only

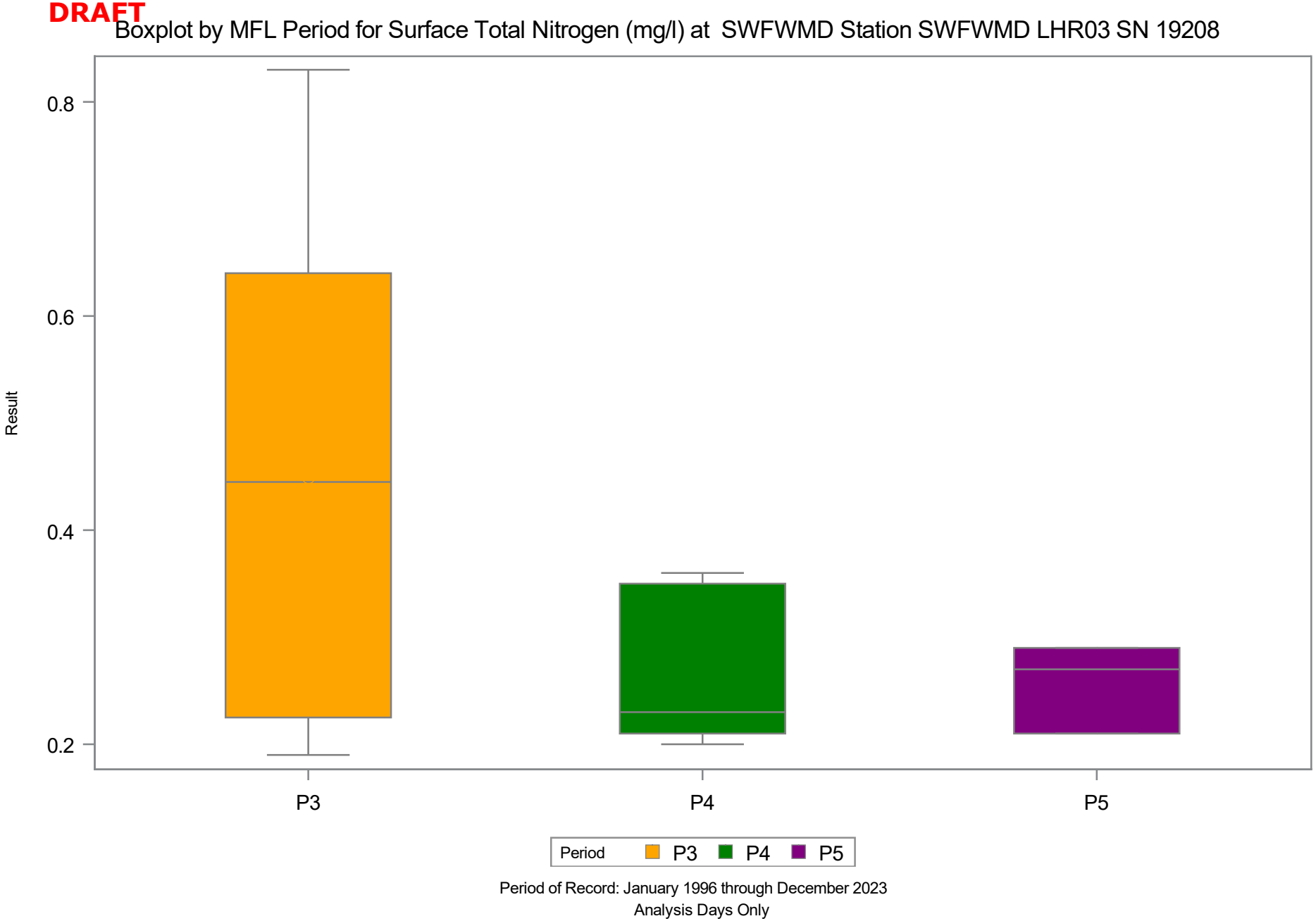
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	12	0.19	0.23	0.45	0.45	0.64	0.83
P4	7	0.20	0.21	0.26	0.23	0.35	0.36
P5	3	0.21	0.21	0.26	0.27	0.29	0.29

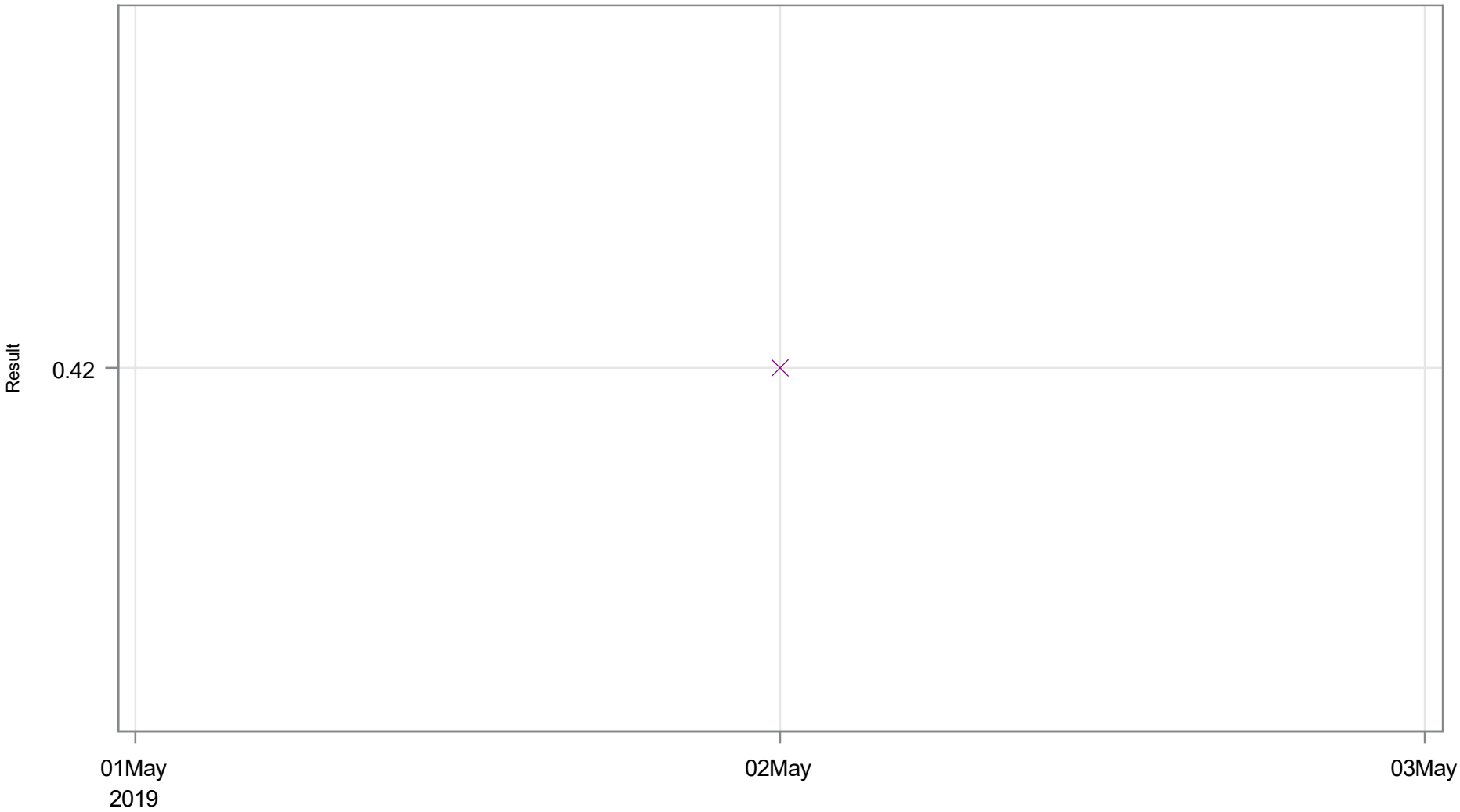
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0.8
0.6
0.4
0.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

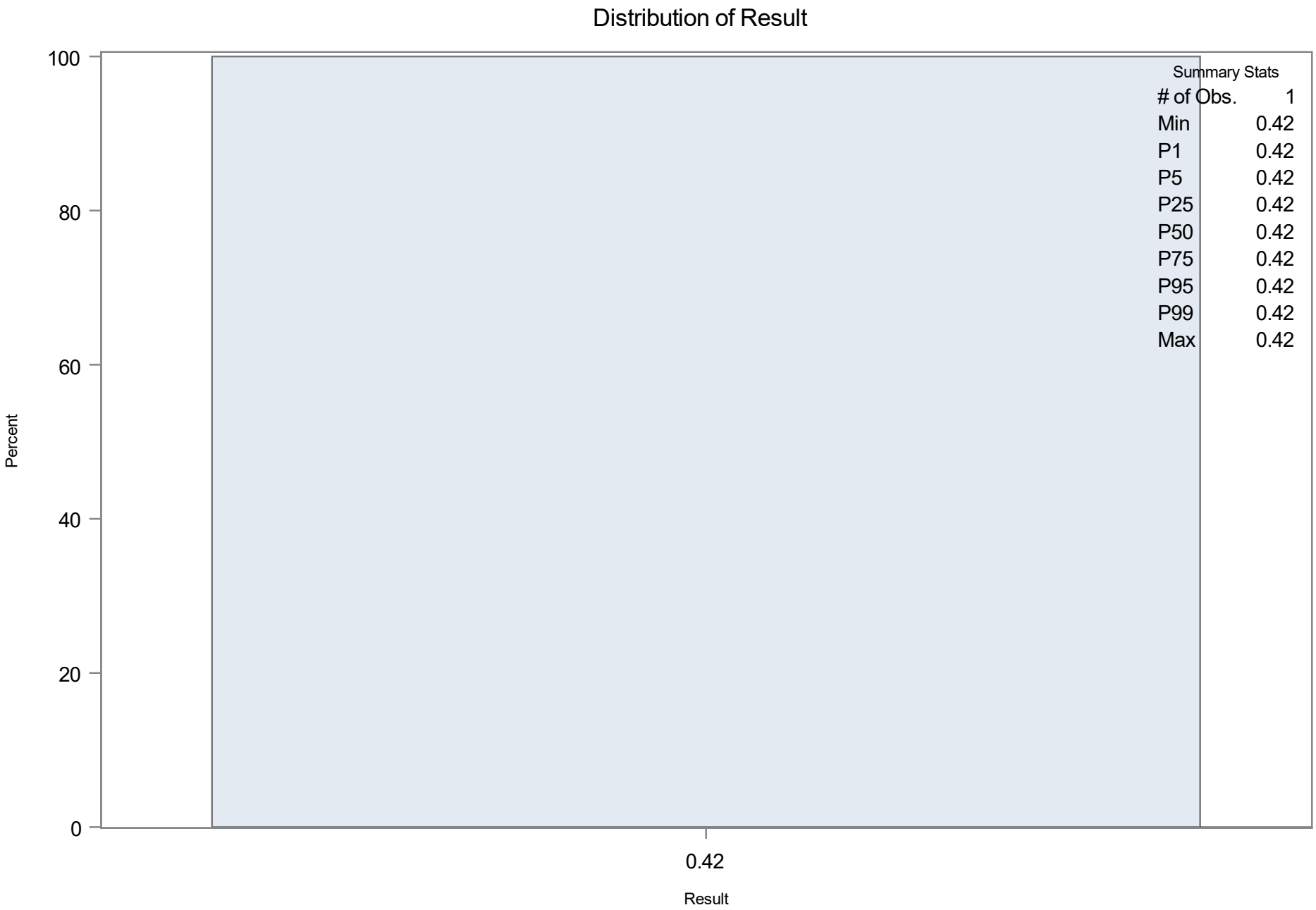
DRAFT

Timeseries of Bottom Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Bottom Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

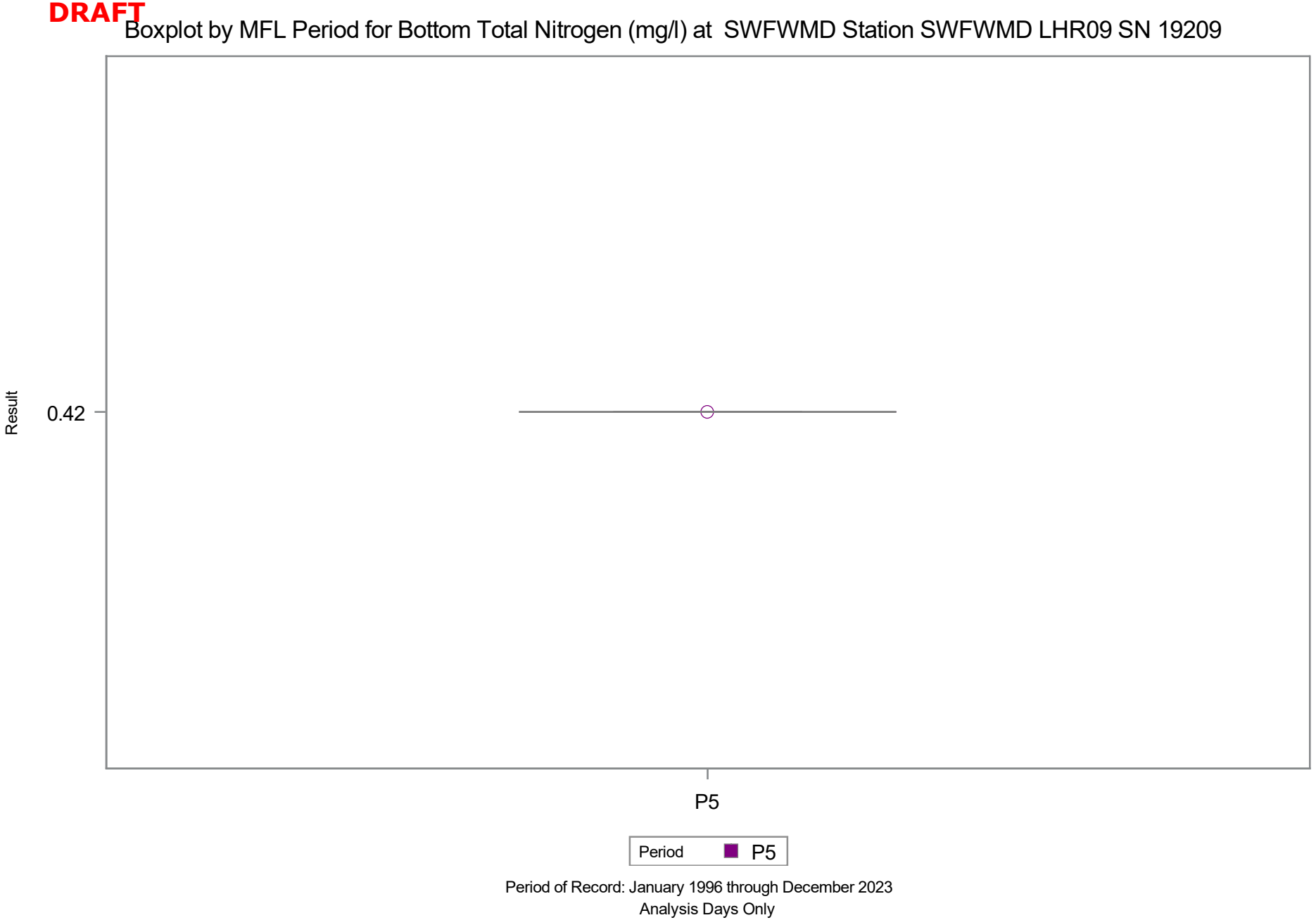
DRAFT

Distributional Statistics by Period for Bottom Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

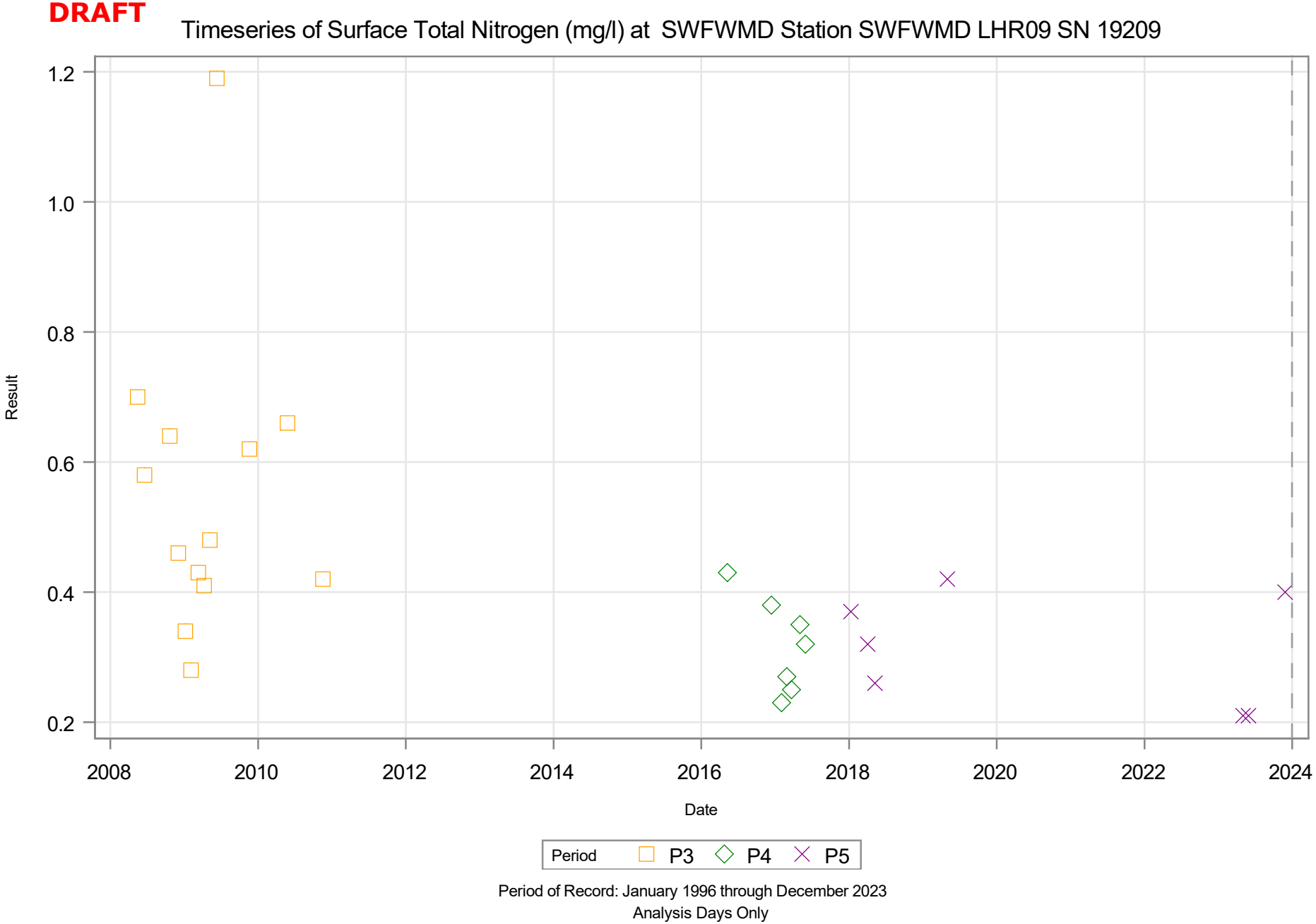
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	0.42	0.42	0.42	0.42	0.42	0.42

Period of Record: January 1996 through December 2023
Analysis Days Only

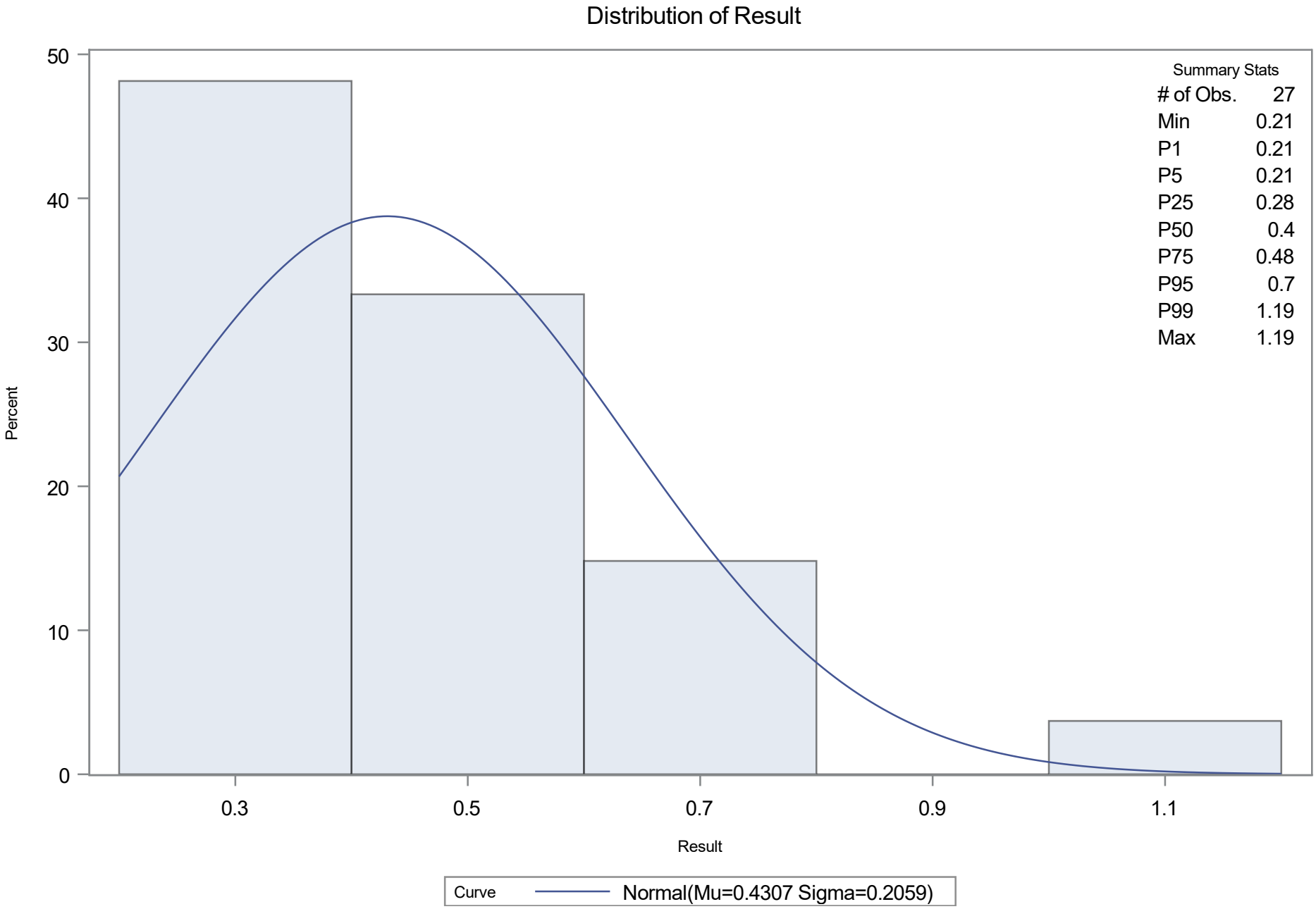
DRAFT


Boxplot by MFL Period for Bottom Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.42
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
1.2
1.0
0.8
0.6
0.4
0.2
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.430741
Std Dev	Sigma	0.205874

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20513911	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.19741499	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.22980763	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.21000	-0.04819
5.0	0.21000	0.09211
10.0	0.23000	0.16690
25.0	0.28000	0.29188
50.0	0.40000	0.43074
75.0	0.48000	0.56960
90.0	0.66000	0.69458
95.0	0.70000	0.76937
99.0	1.19000	0.90967

Period of Record: January 1996 through December 2023
Analysis Days Only

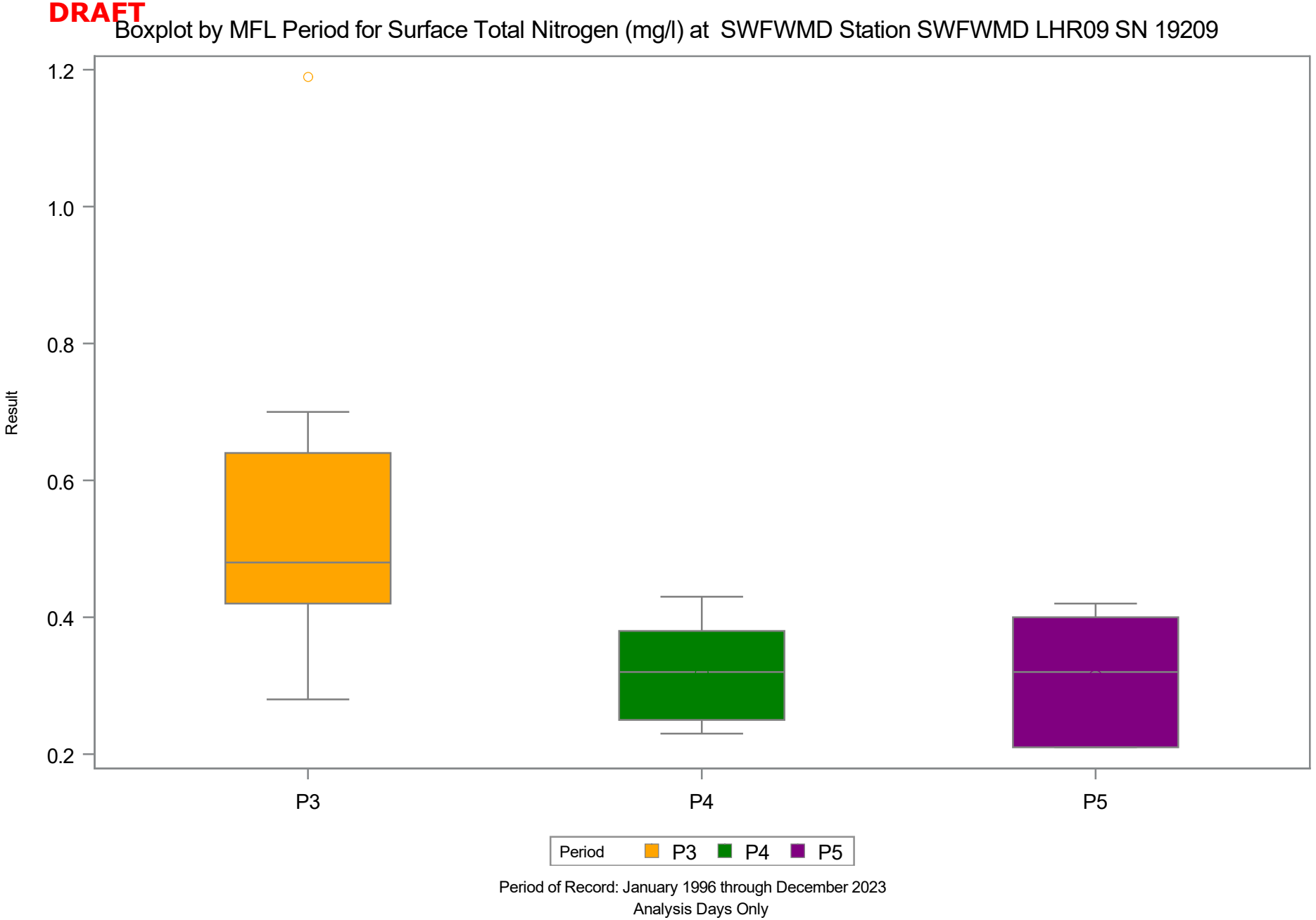
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

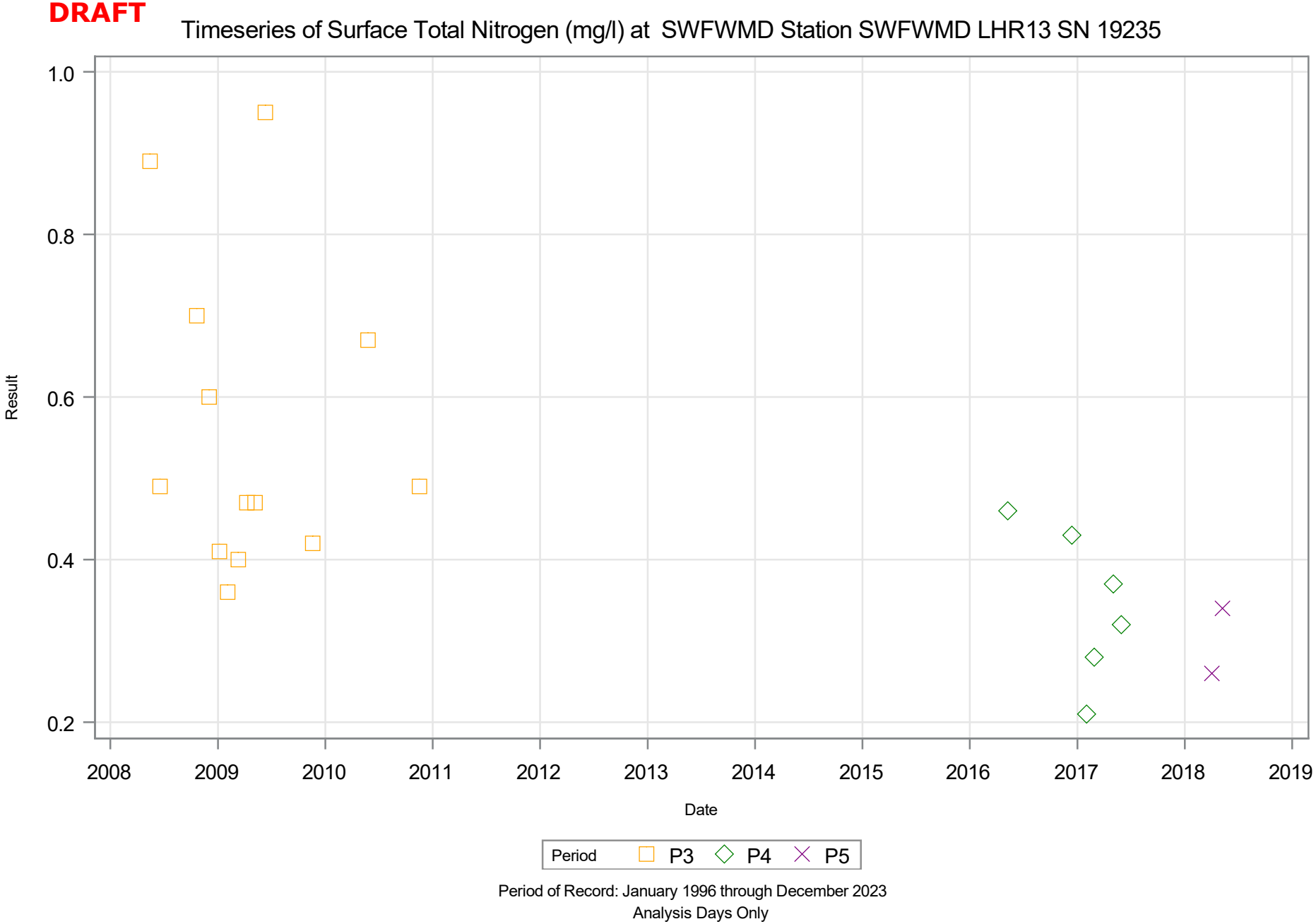
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.28	0.42	0.55	0.48	0.64	1.19
P4	7	0.23	0.25	0.32	0.32	0.38	0.43
P5	7	0.21	0.21	0.31	0.32	0.40	0.42

Period of Record: January 1996 through December 2023
Analysis Days Only

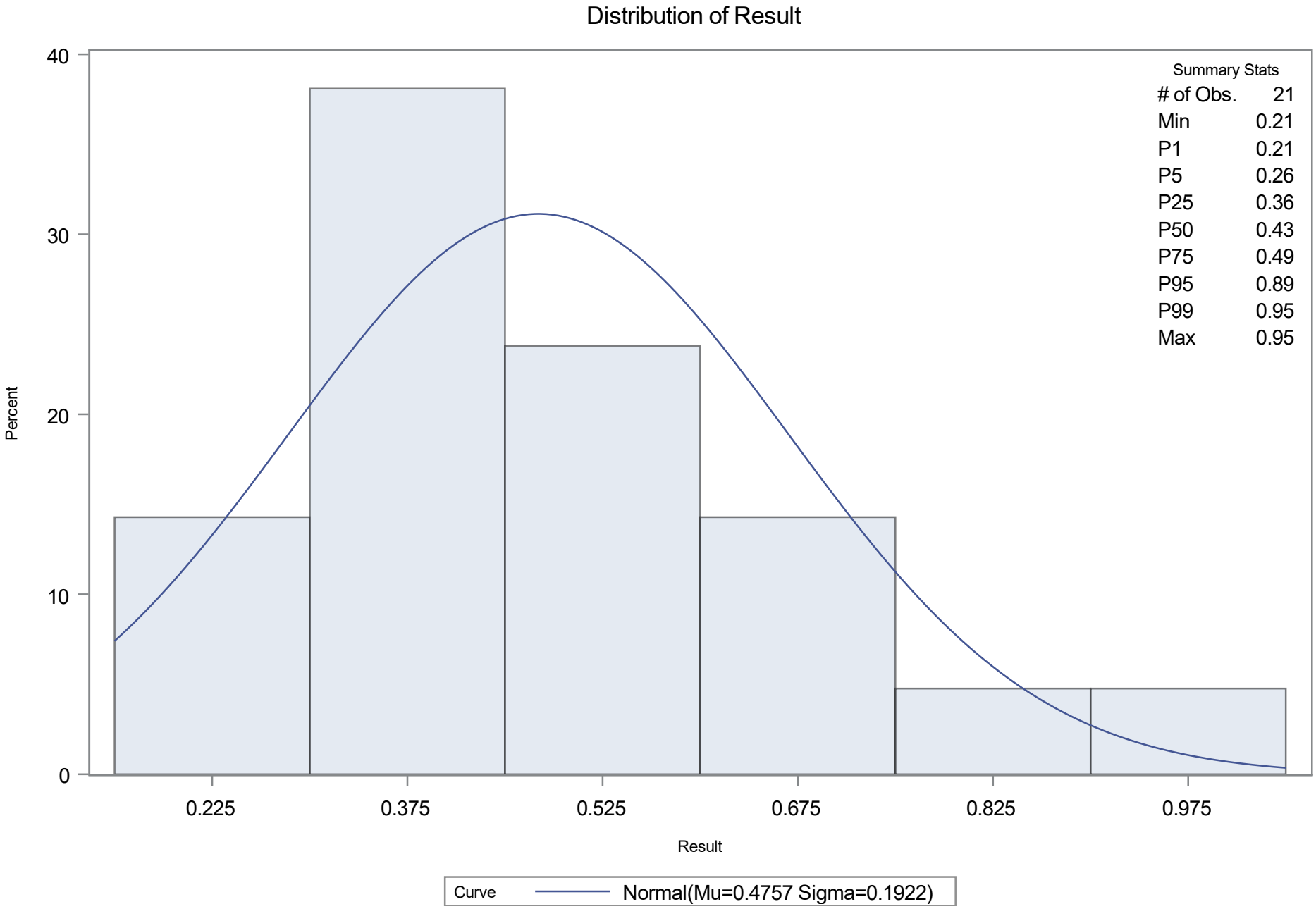
DRAFT


Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
1.2
1.0
0.8
0.6
0.4
0.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
1.0
0.8
0.6
0.4
0.2
Result
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.475714
Std Dev	Sigma	0.192187

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.23227767	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.14674809	**Pr > W-Sq**	0.024
Anderson-Darling	**A-Sq**	0.83674446	**Pr > A-Sq**	0.025

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.21000	0.02862
5.0	0.26000	0.15960
10.0	0.28000	0.22942
25.0	0.36000	0.34609
50.0	0.43000	0.47571
75.0	0.49000	0.60534
90.0	0.70000	0.72201
95.0	0.89000	0.79183
99.0	0.95000	0.92281

Period of Record: January 1996 through December 2023
Analysis Days Only

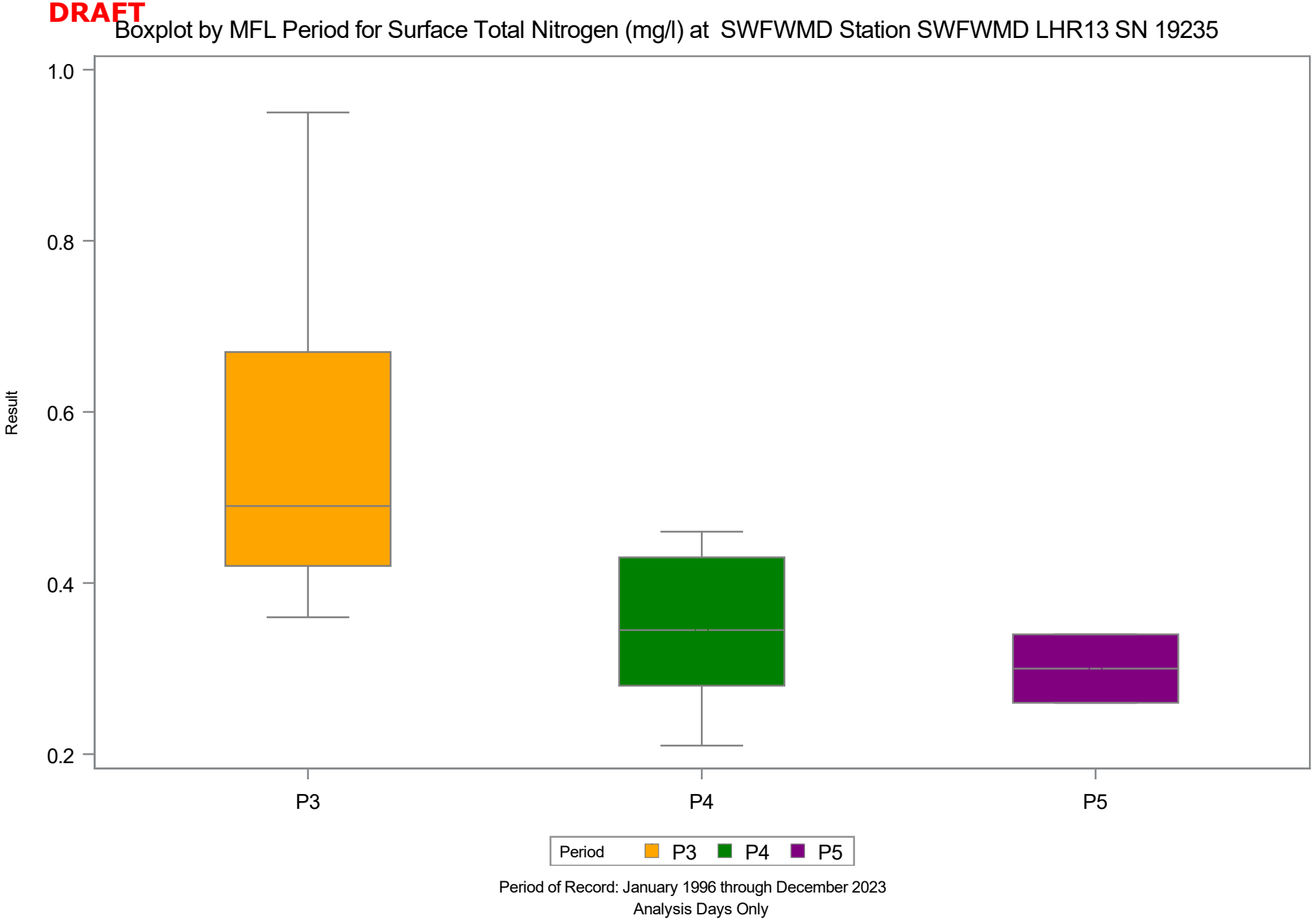
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

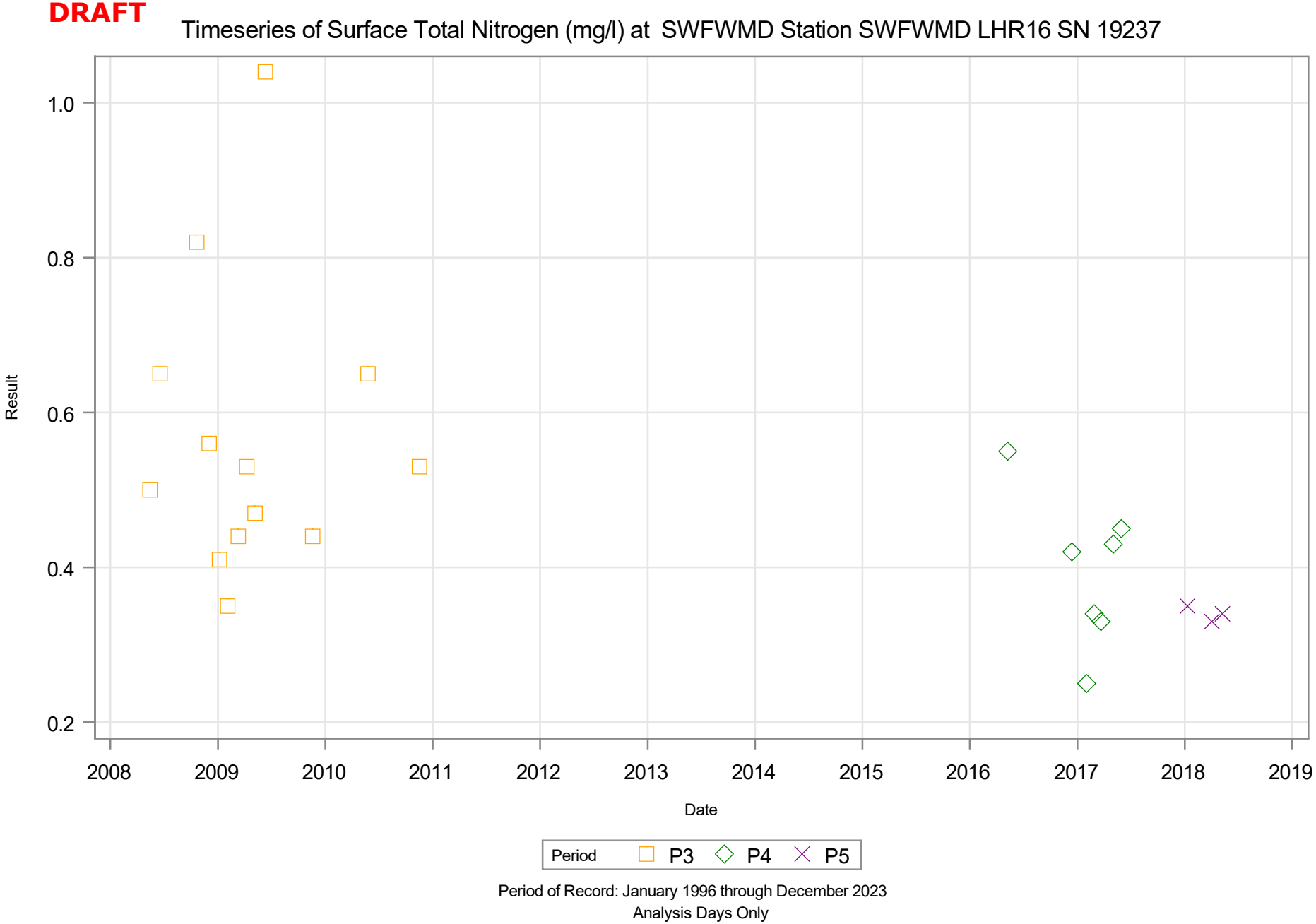
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.36	0.42	0.56	0.49	0.67	0.95
P4	6	0.21	0.28	0.35	0.35	0.43	0.46
P5	2	0.26	0.26	0.30	0.30	0.34	0.34

Period of Record: January 1996 through December 2023
Analysis Days Only

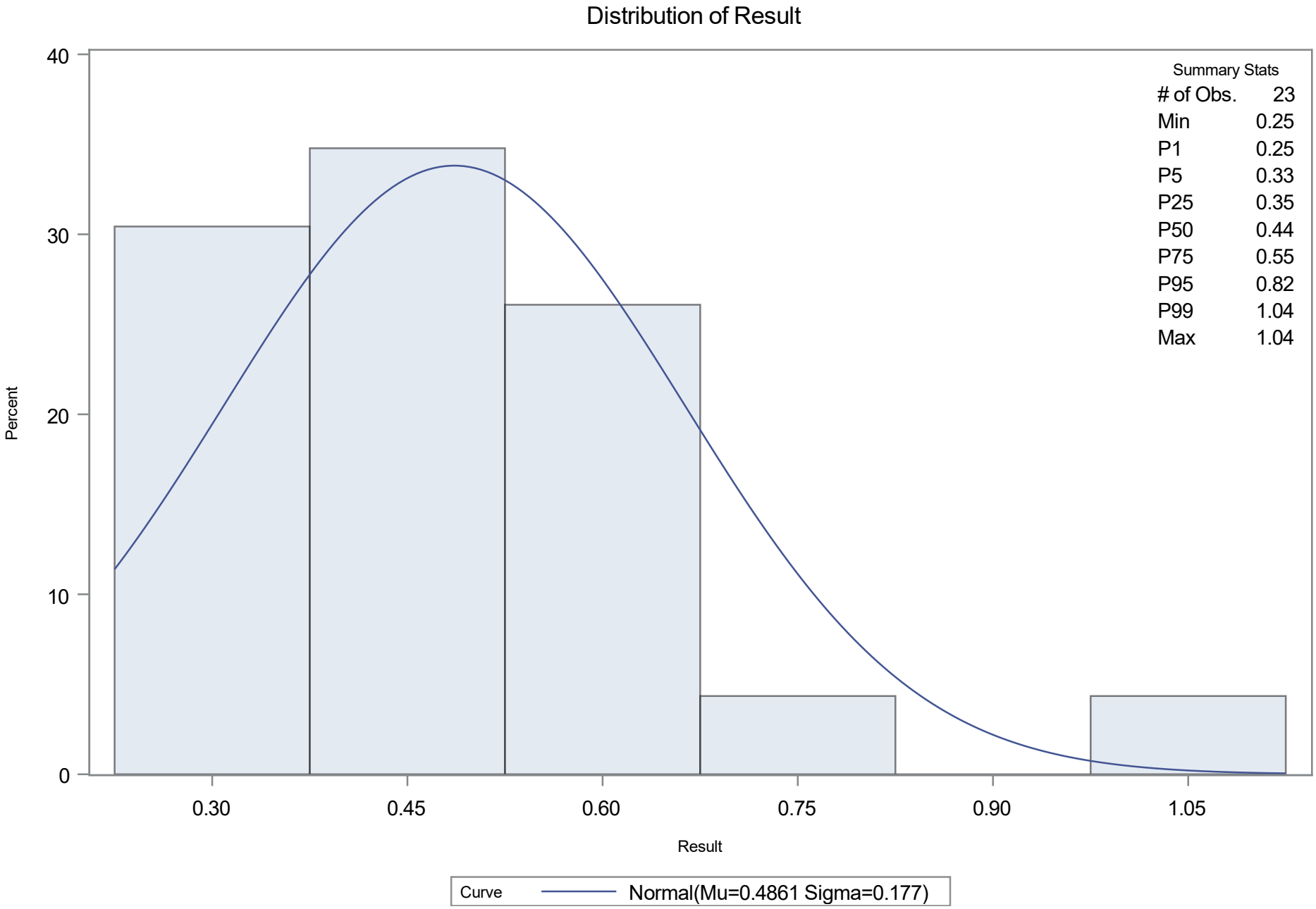
DRAFT


Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
1.0
0.8
0.6
0.4
0.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
1.0
0.8
0.6
0.4
0.2
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.486087
Std Dev	Sigma	0.176963

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16417906	**Pr > D**	0.105
Cramer-von Mises	**W-Sq**	0.15498701	**Pr > W-Sq**	0.020
Anderson-Darling	**A-Sq**	0.98973487	**Pr > A-Sq**	0.011

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.25000	0.07441
5.0	0.33000	0.19501
10.0	0.33000	0.25930
25.0	0.35000	0.36673
50.0	0.44000	0.48609
75.0	0.55000	0.60545
90.0	0.65000	0.71287
95.0	0.82000	0.77716
99.0	1.04000	0.89776

Period of Record: January 1996 through December 2023
Analysis Days Only

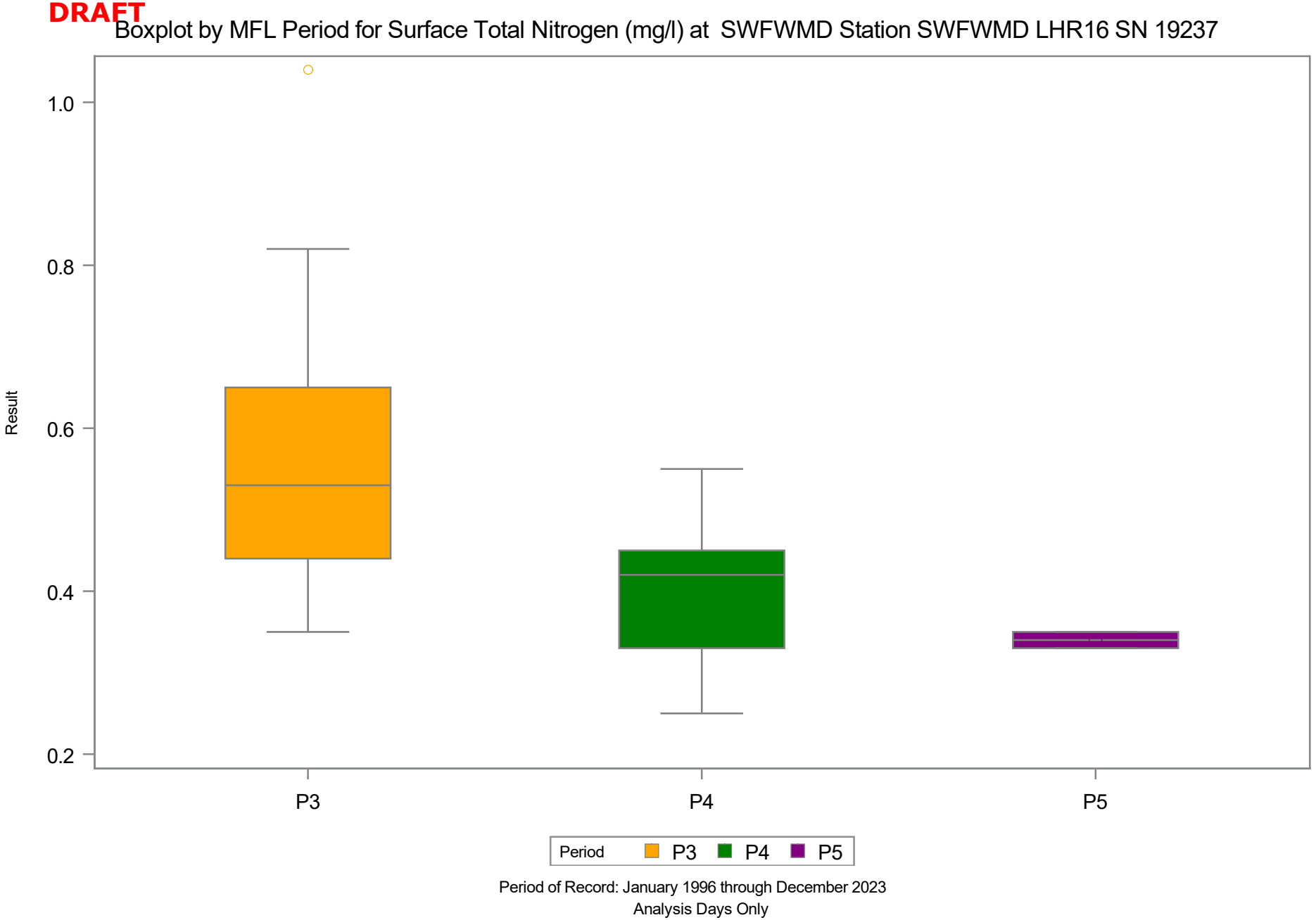
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

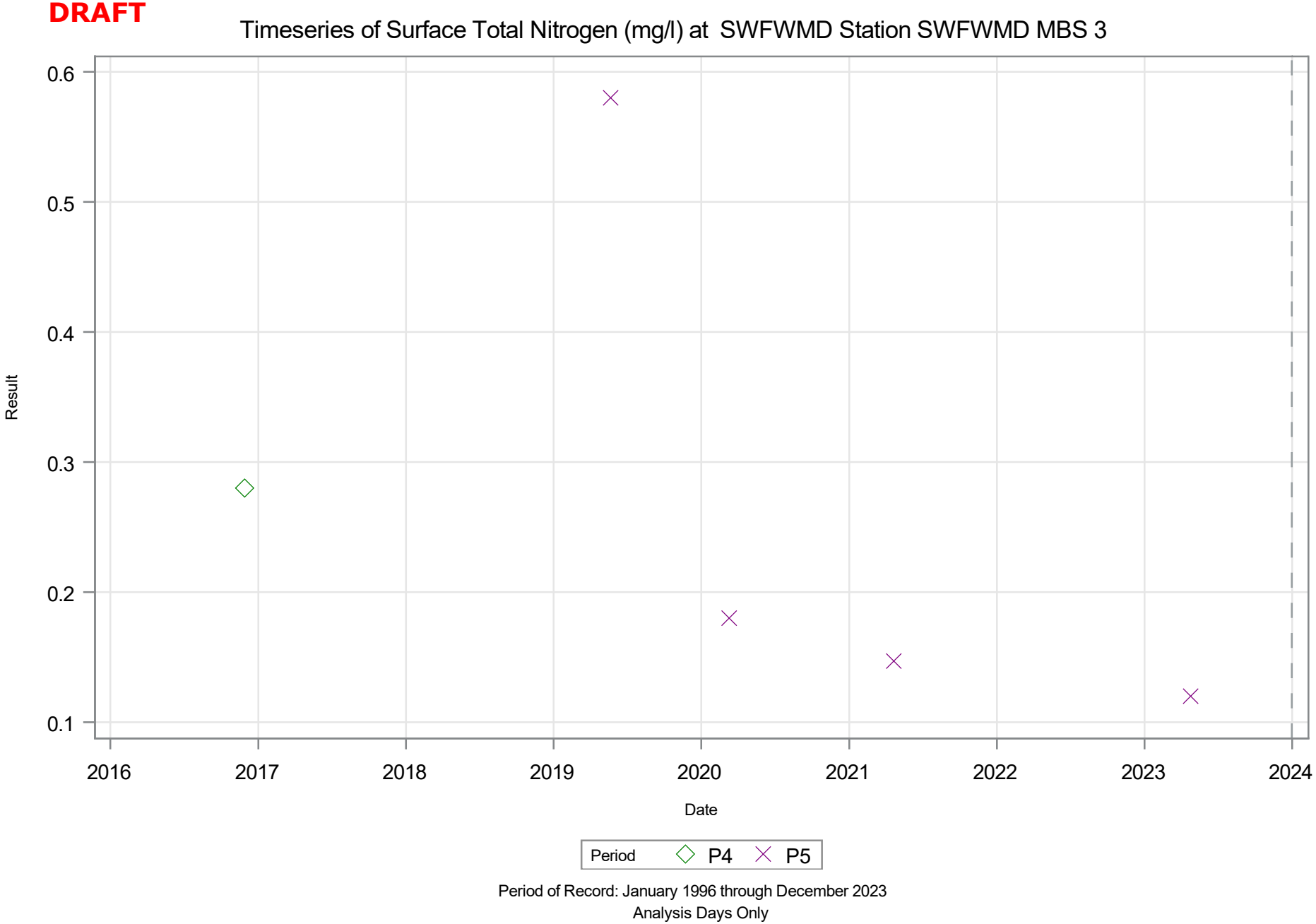
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.35	0.44	0.57	0.53	0.65	1.04
P4	7	0.25	0.33	0.40	0.42	0.45	0.55
P5	3	0.33	0.33	0.34	0.34	0.35	0.35

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

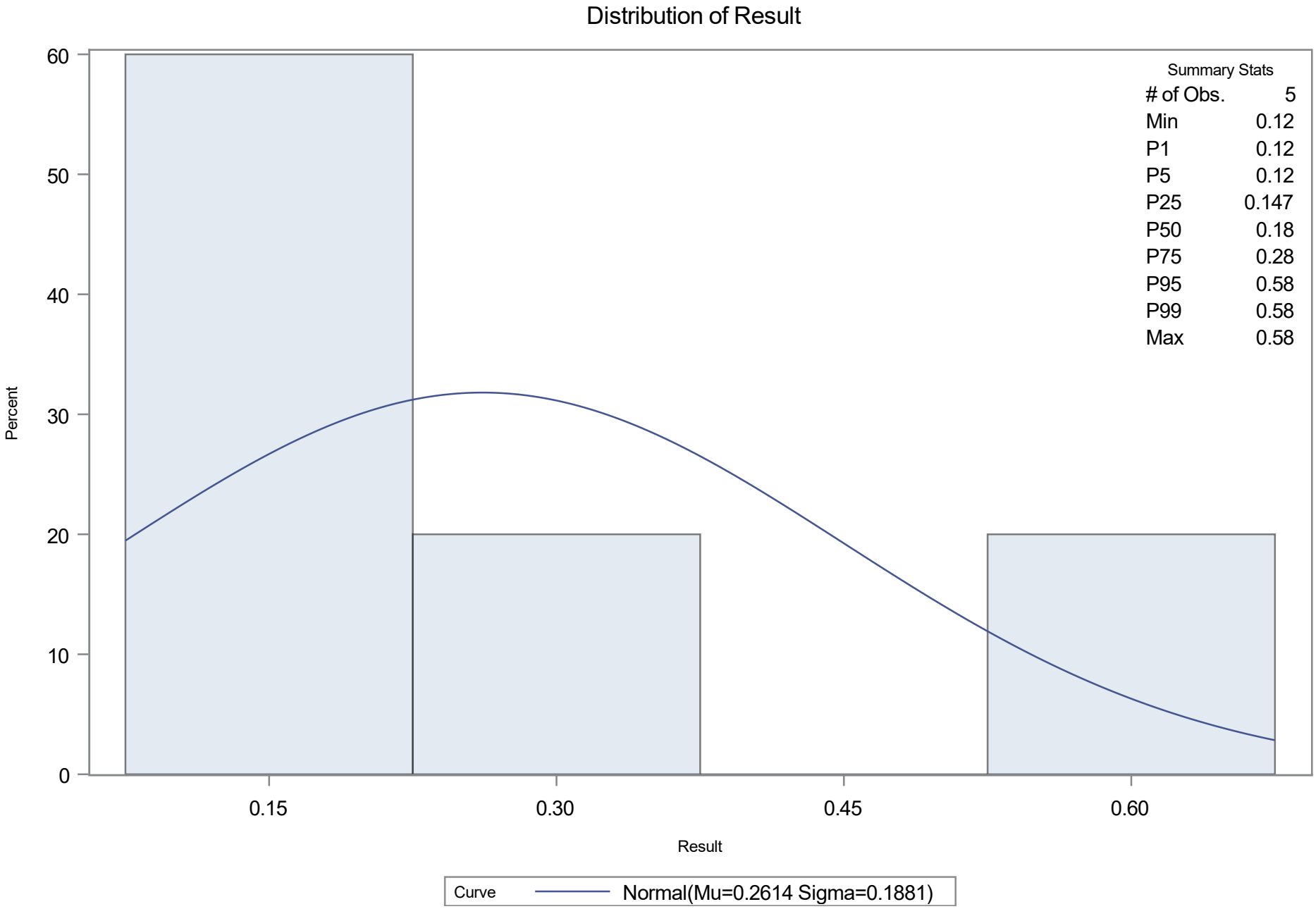

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
1.0
0.8
0.6
0.4
0.2
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
0.6
0.5
0.4
0.3
0.2
0.1
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD MBS 3



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.2614
Std Dev	Sigma	0.188122

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26738308	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.09020739	**Pr > W-Sq**	0.118
Anderson-Darling	**A-Sq**	0.52169261	**Pr > A-Sq**	0.093

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.12000	-0.17624
5.0	0.12000	-0.04803
10.0	0.12000	0.02031
25.0	0.14700	0.13451
50.0	0.18000	0.26140
75.0	0.28000	0.38829
90.0	0.58000	0.50249
95.0	0.58000	0.57083
99.0	0.58000	0.69904

Period of Record: January 1996 through December 2023
Analysis Days Only

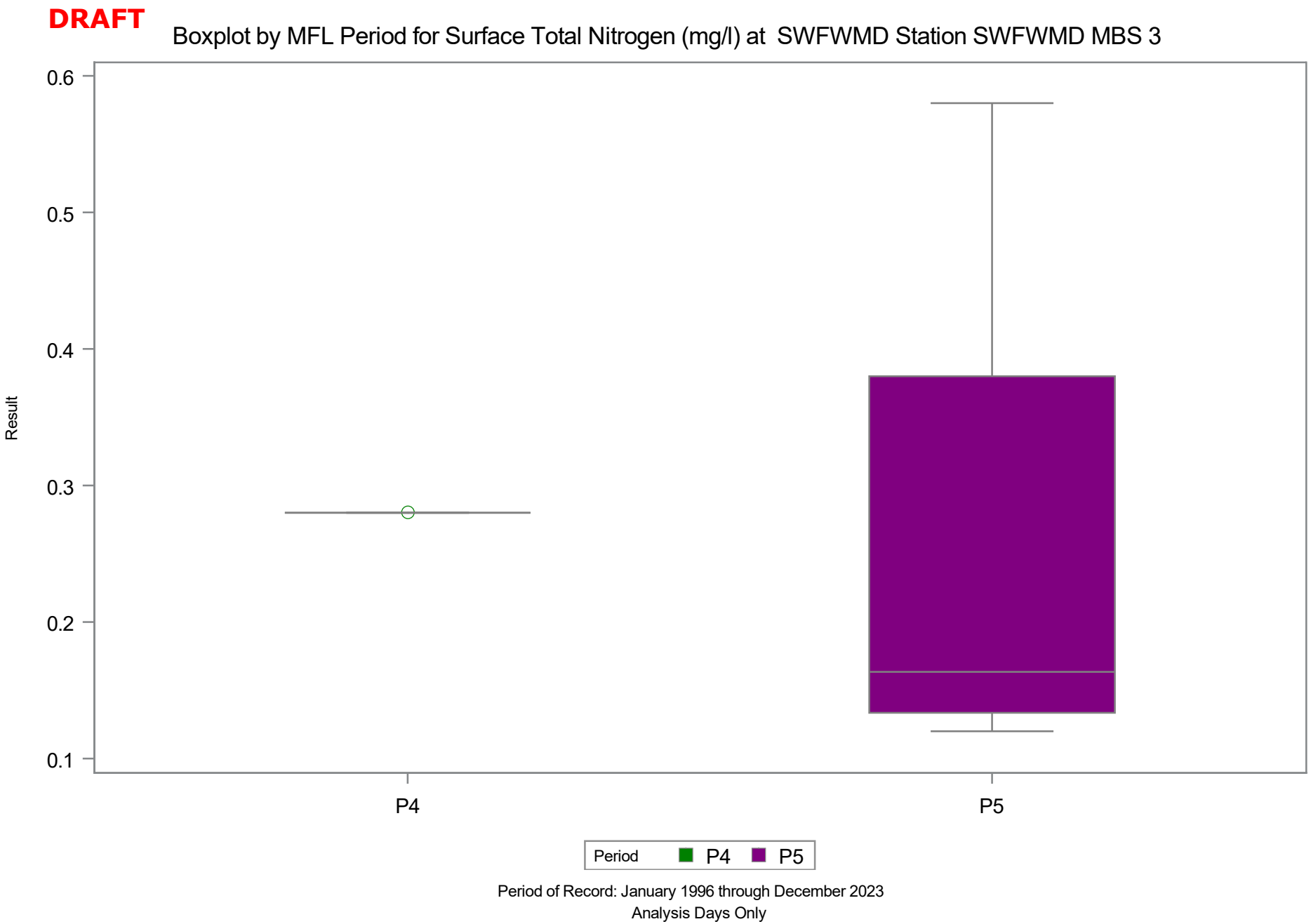
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD MBS 3

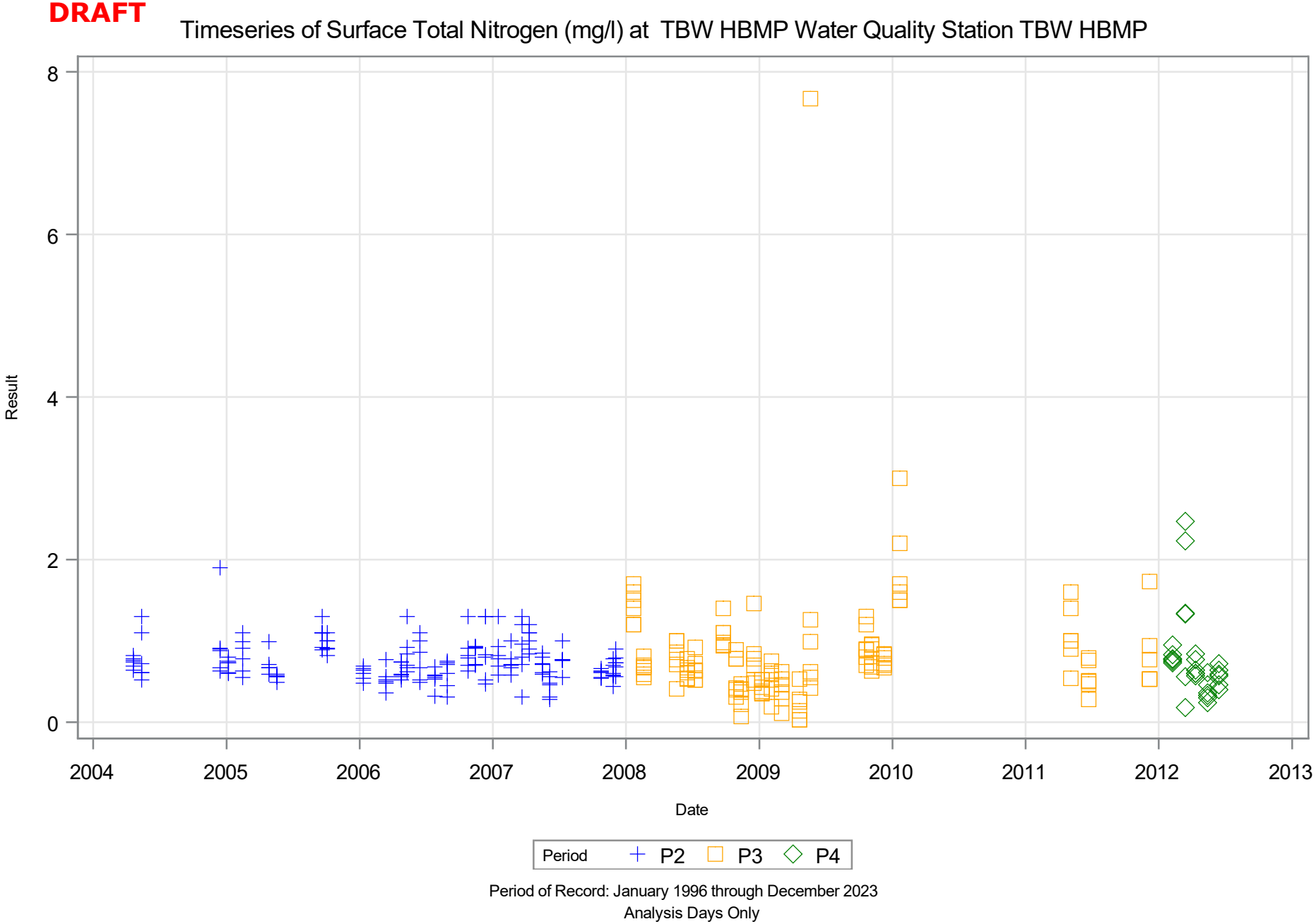
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	1	0.28	0.28	0.28	0.28	0.28	0.28
P5	4	0.12	0.13	0.26	0.16	0.38	0.58

Period of Record: January 1996 through December 2023
Analysis Days Only

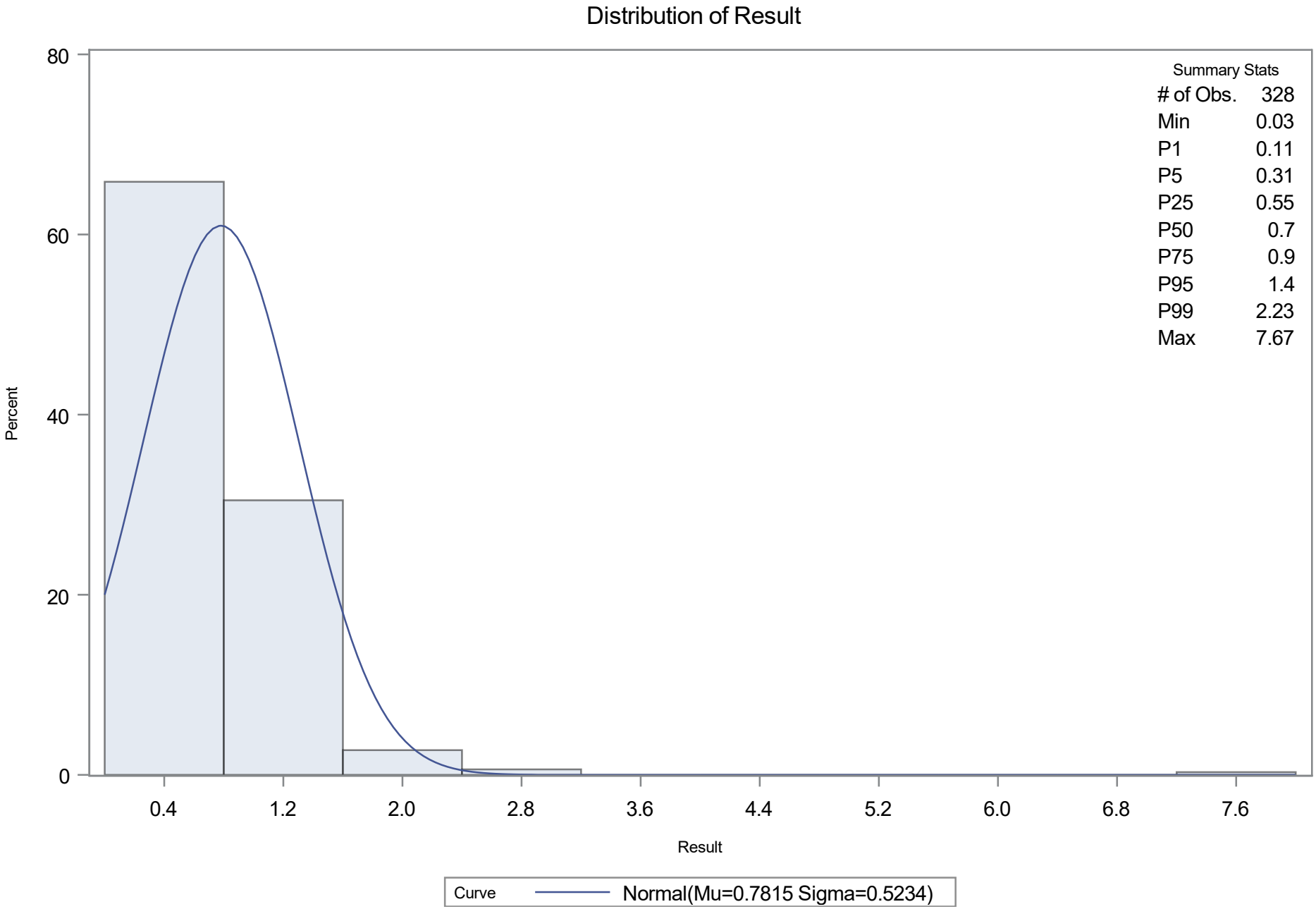
DRAFT


Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
0.6
0.5
0.4
0.3
0.2
0.1
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Nitrogen (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
0
2
4
6
8
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Date
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Nitrogen (mg/l) at TBW HBMP Water Quality Station TBW HBMP**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Nitrogen (mg/l) at TBW HBMP Water Quality Station TBW HBMP**

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.781524
Std Dev	Sigma	0.523408

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1948967	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.1824960	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	23.3880006	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	-0.43611
5.0	0.31000	-0.07941
10.0	0.41000	0.11075
25.0	0.55000	0.42849
50.0	0.70000	0.78152
75.0	0.90000	1.13456
90.0	1.20000	1.45230
95.0	1.40000	1.64245
99.0	2.23000	1.99915

Period of Record: January 1996 through December 2023
Analysis Days Only

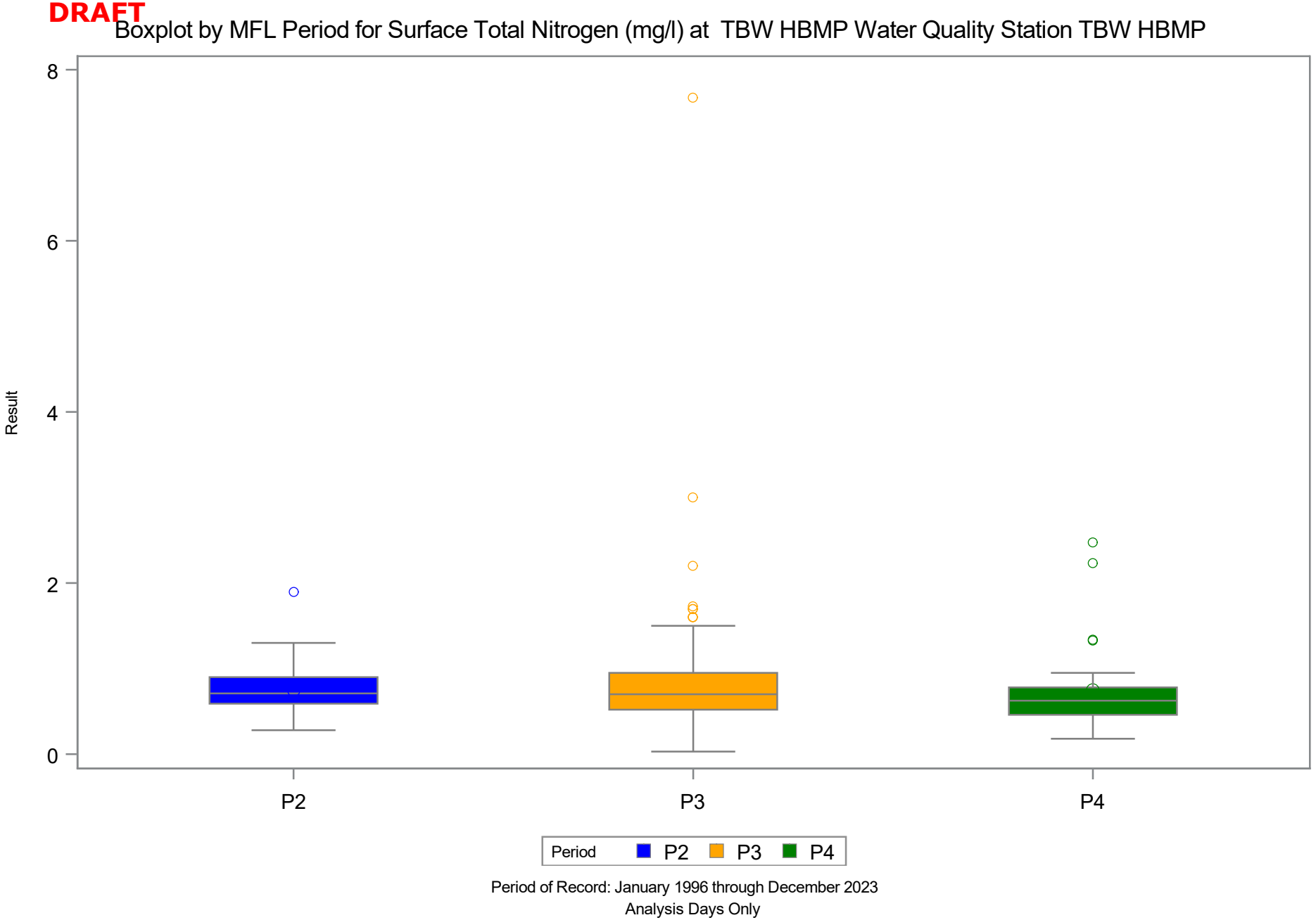
DRAFT

Distributional Statistics by Period for Surface Total Nitrogen (mg/l) at TBW HBMP Water Quality Station TBW HBMP

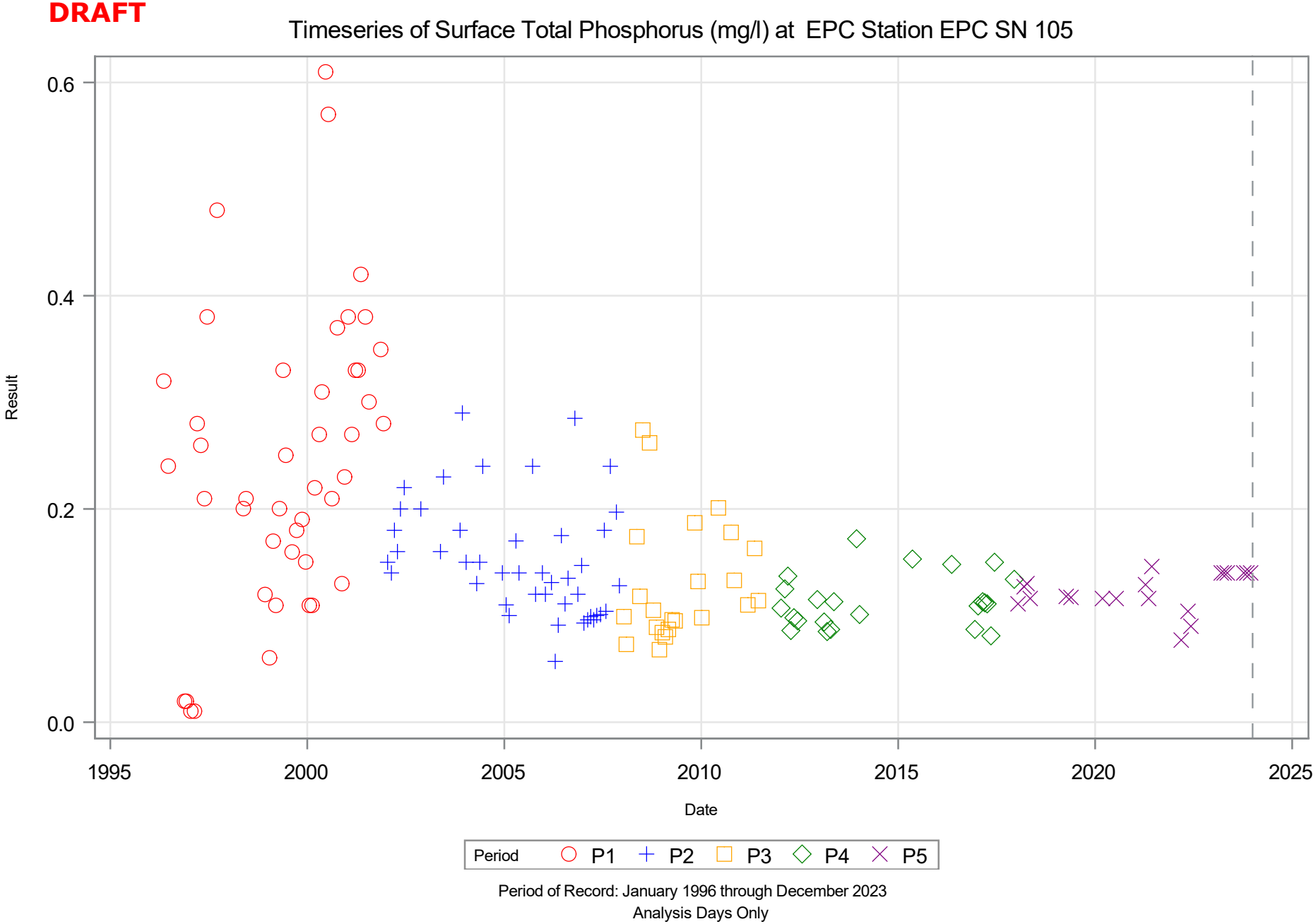
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	172	0.28	0.59	0.75	0.71	0.90	1.90
P3	126	0.03	0.52	0.83	0.70	0.95	7.67
P4	30	0.18	0.46	0.75	0.63	0.78	2.47

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

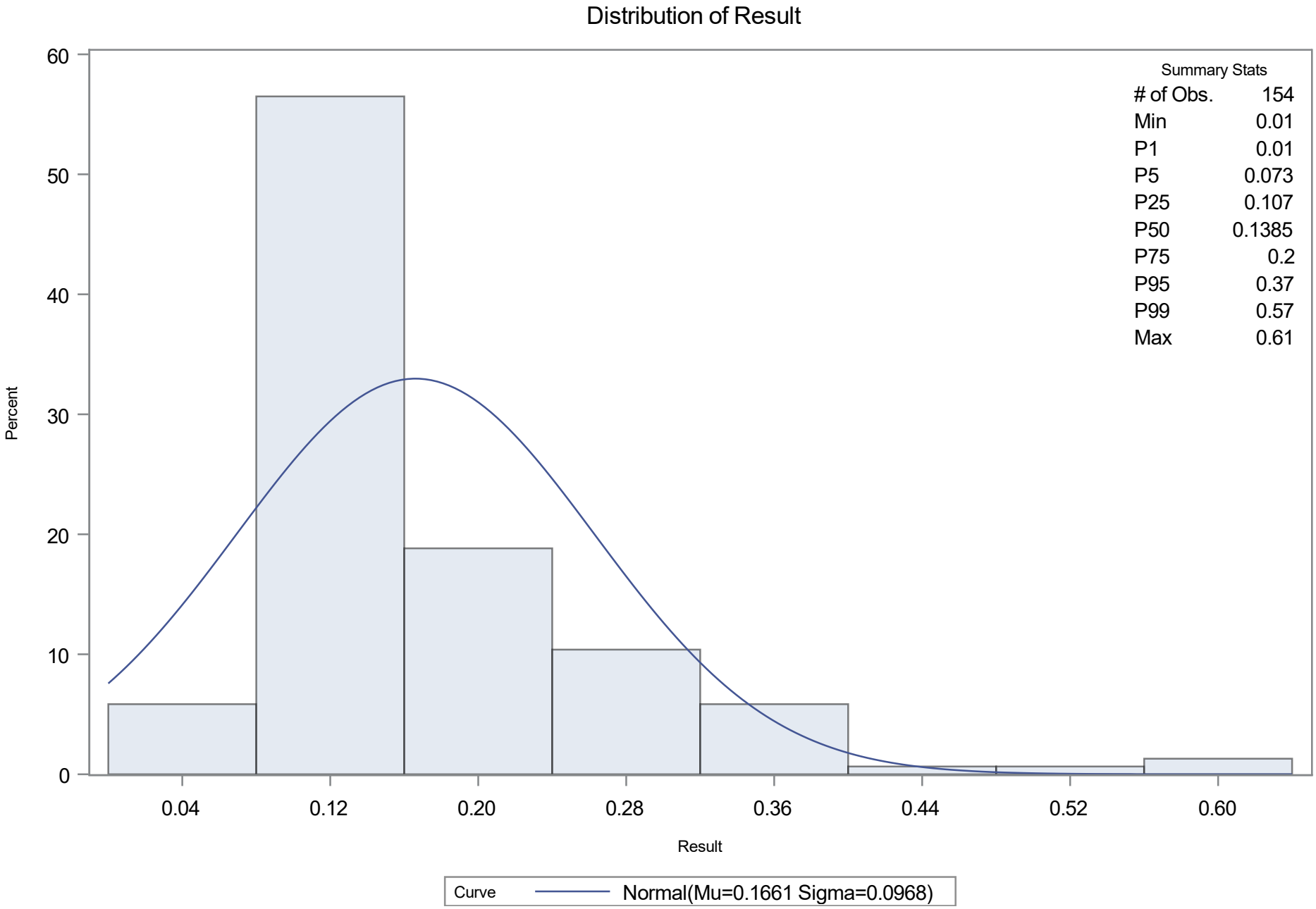

Boxplot by MFL Period for Surface Total Nitrogen (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
8
6
4
2
0
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 105
Result
0.0
0.2
0.4
0.6
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 105



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 105

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.166052
Std Dev	Sigma	0.096795

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18273926	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.37791830	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	7.38885593	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-0.05913
5.0	0.07300	0.00684
10.0	0.08700	0.04200
25.0	0.10700	0.10076
50.0	0.13850	0.16605
75.0	0.20000	0.23134
90.0	0.29000	0.29010
95.0	0.37000	0.32527
99.0	0.57000	0.39123

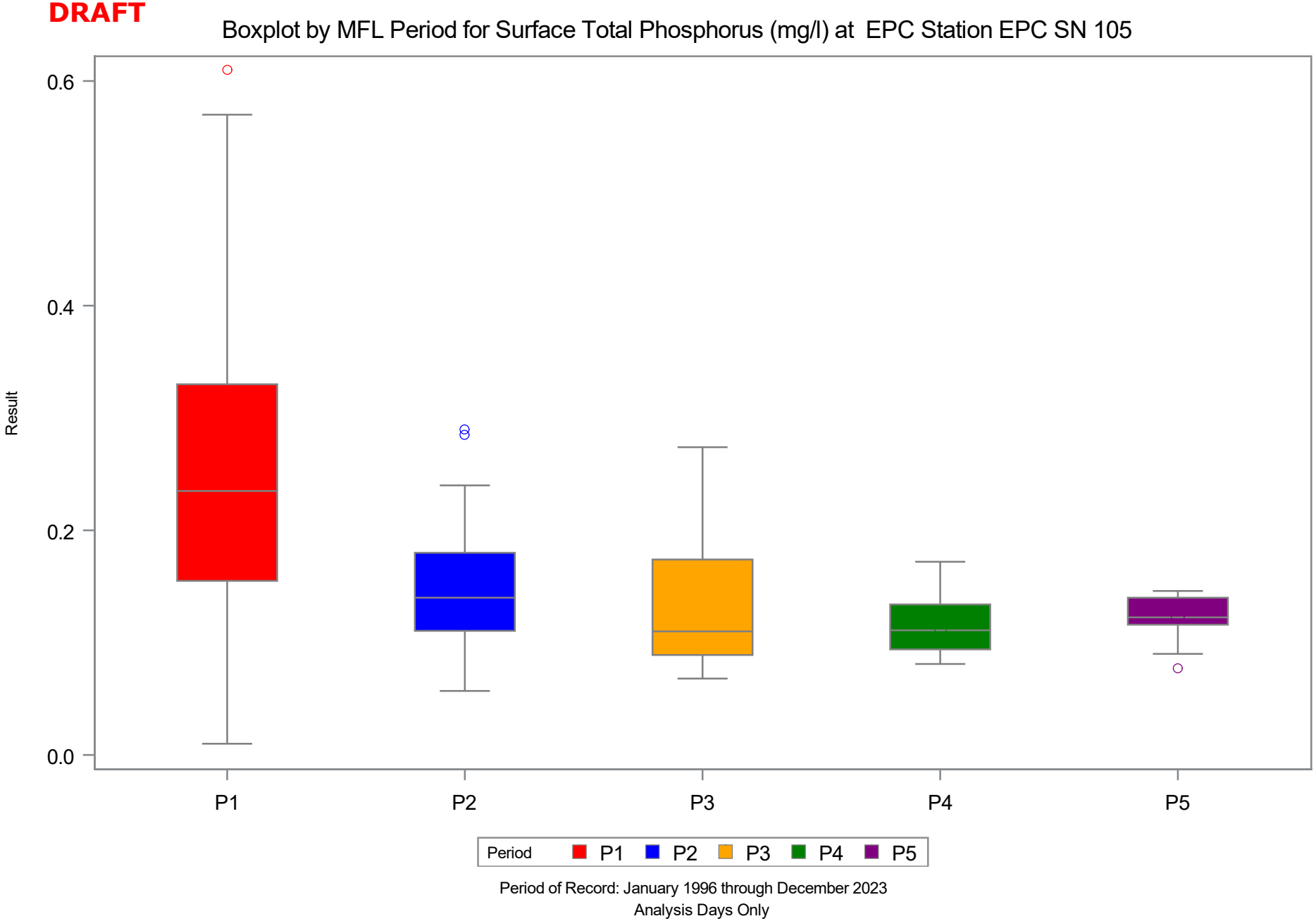
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 105**

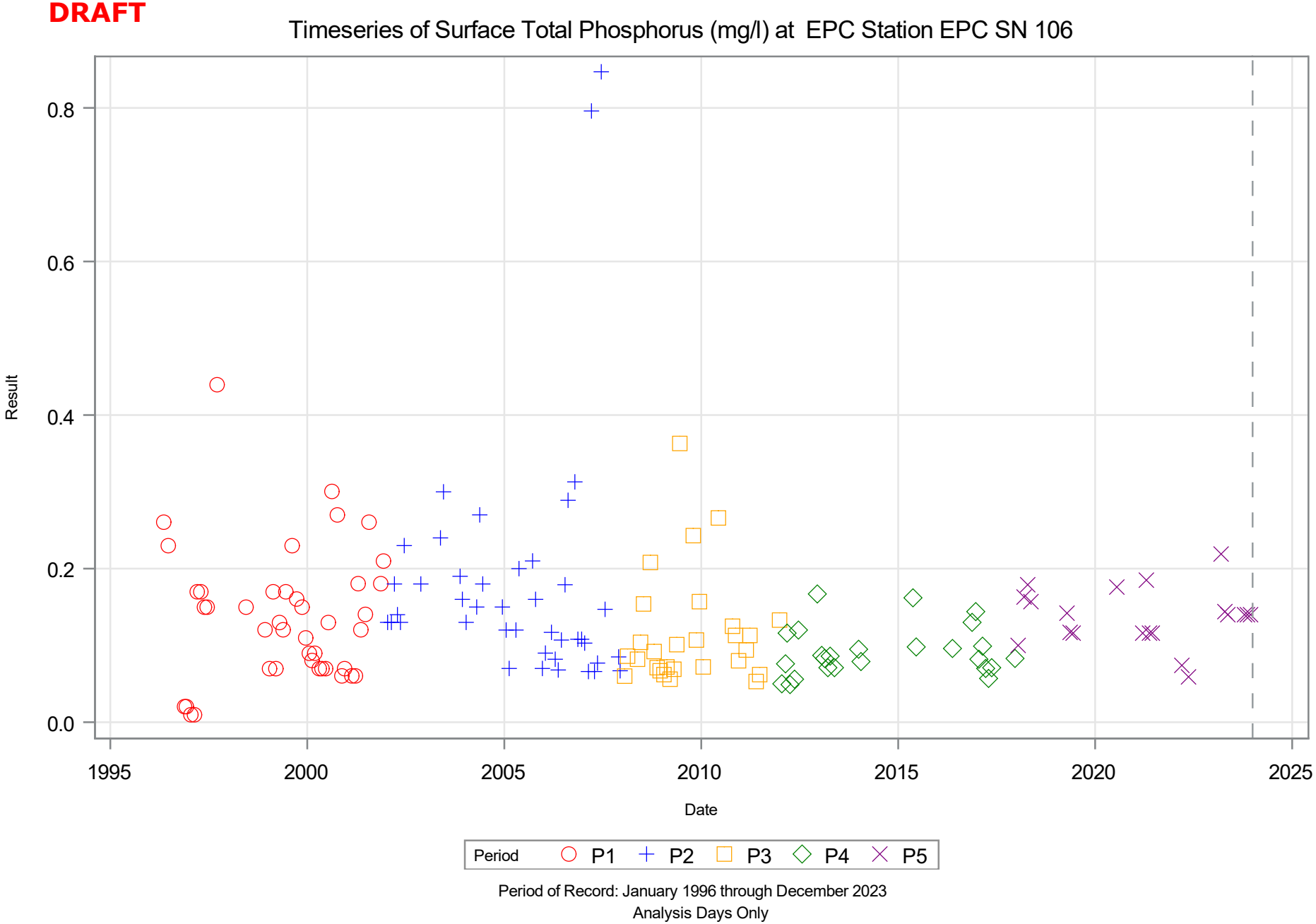
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.01	0.16	0.24	0.24	0.33	0.61
P2	44	0.06	0.11	0.15	0.14	0.18	0.29
P3	23	0.07	0.09	0.13	0.11	0.17	0.27
P4	23	0.08	0.09	0.11	0.11	0.13	0.17
P5	20	0.08	0.12	0.12	0.12	0.14	0.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

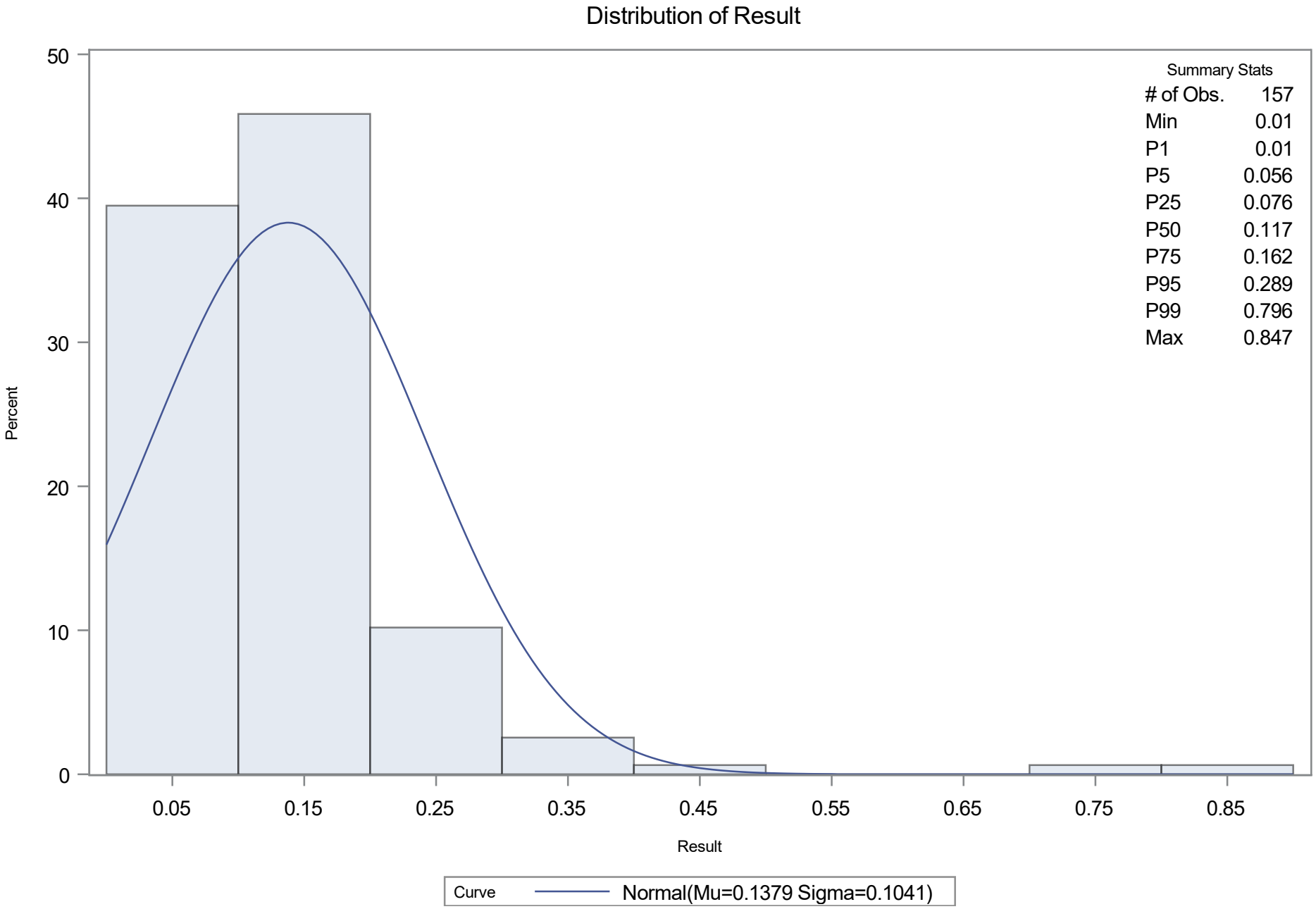

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 105
Result
0.6
0.4
0.2
0.0
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 106
Result
0.0
0.2
0.4
0.6
0.8
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 106



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 106

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.137879
Std Dev	Sigma	0.104138

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1836962	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	1.6956409	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	10.0467323	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-0.10438
5.0	0.05600	-0.03341
10.0	0.06200	0.00442
25.0	0.07600	0.06764
50.0	0.11700	0.13788
75.0	0.16200	0.20812
90.0	0.23000	0.27134
95.0	0.28900	0.30917
99.0	0.79600	0.38014

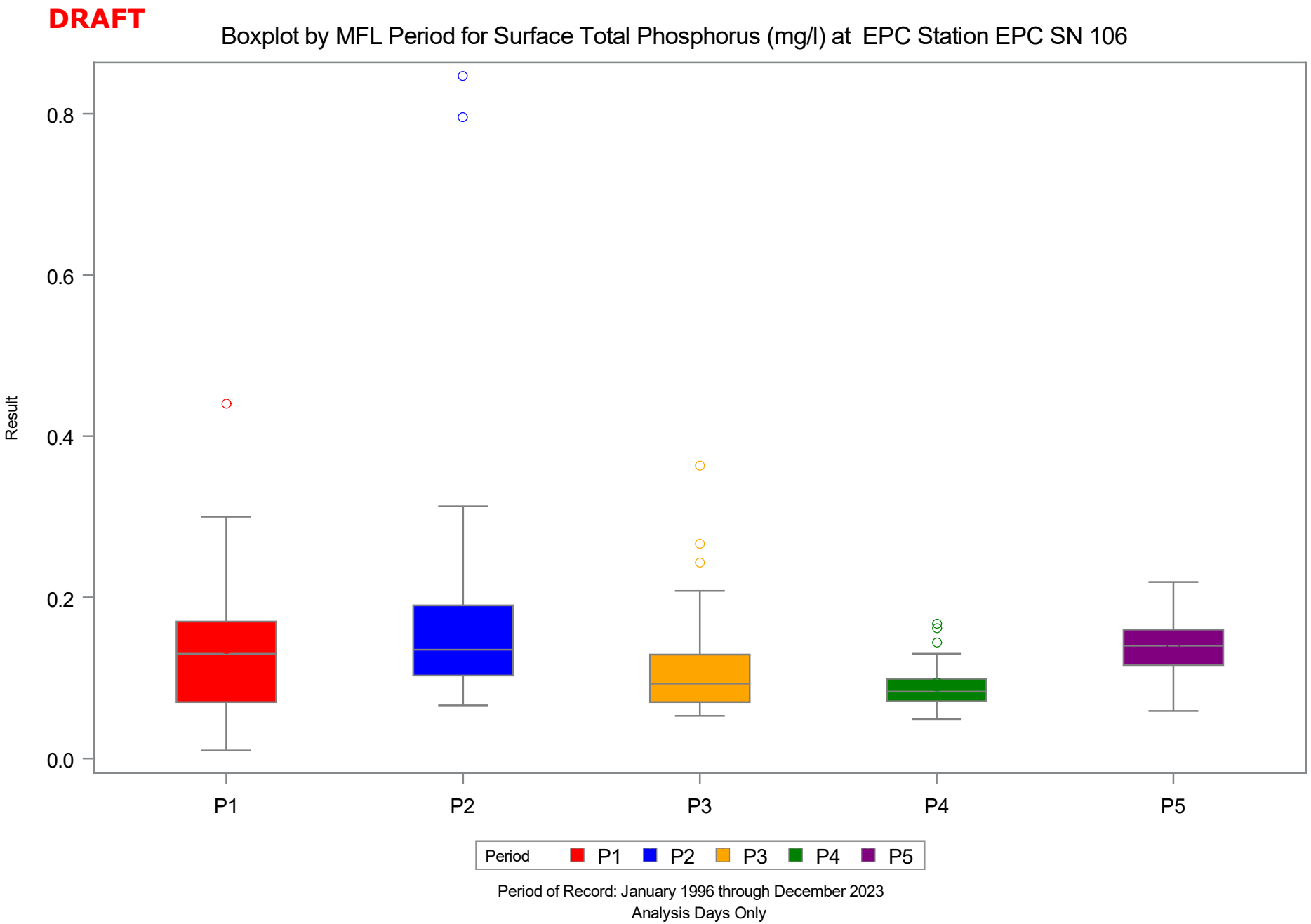
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 106**

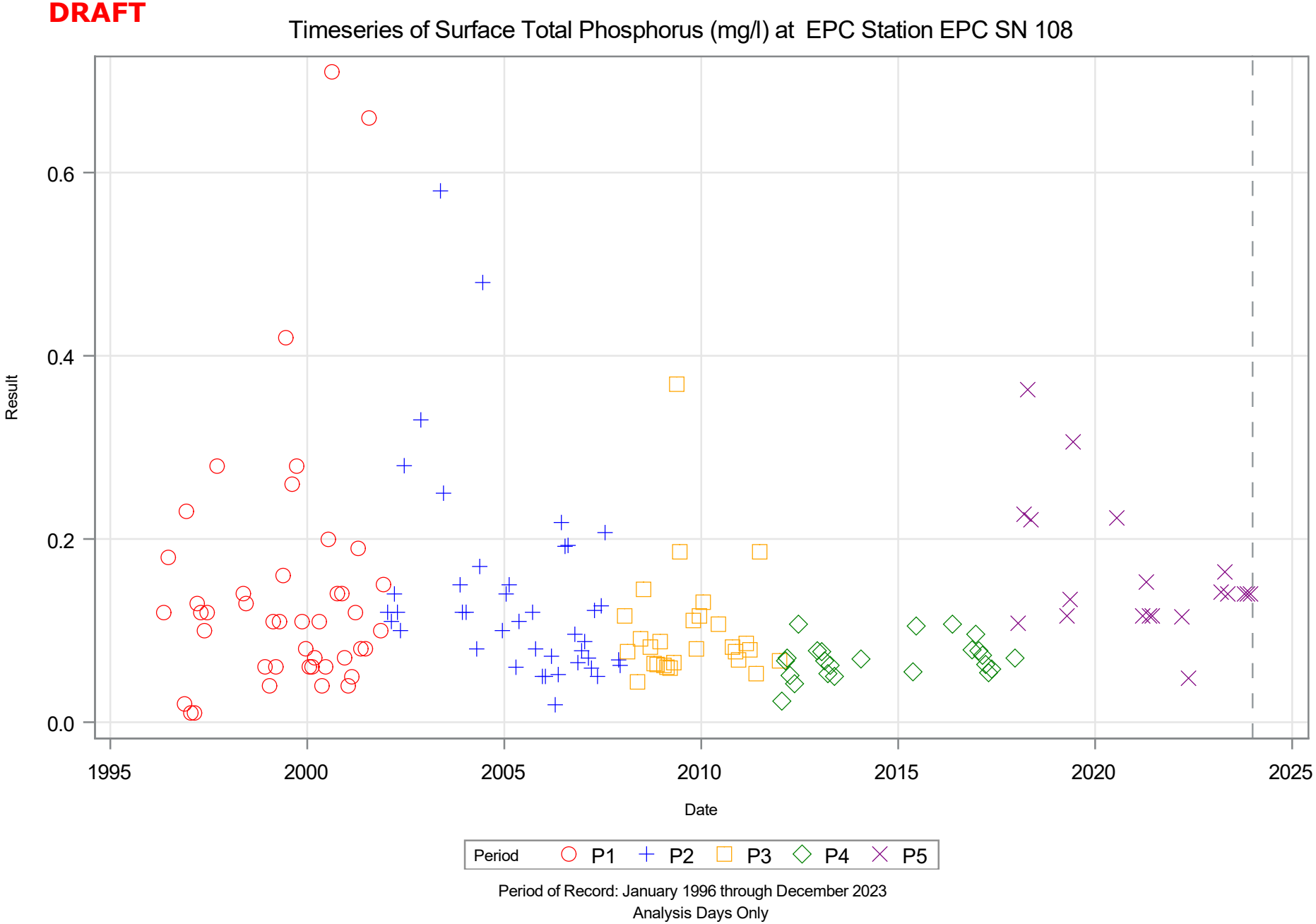
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	42	0.01	0.07	0.14	0.13	0.17	0.44
P2	42	0.07	0.10	0.18	0.14	0.19	0.85
P3	28	0.05	0.07	0.12	0.09	0.13	0.36
P4	25	0.05	0.07	0.09	0.08	0.10	0.17
P5	20	0.06	0.12	0.14	0.14	0.16	0.22

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

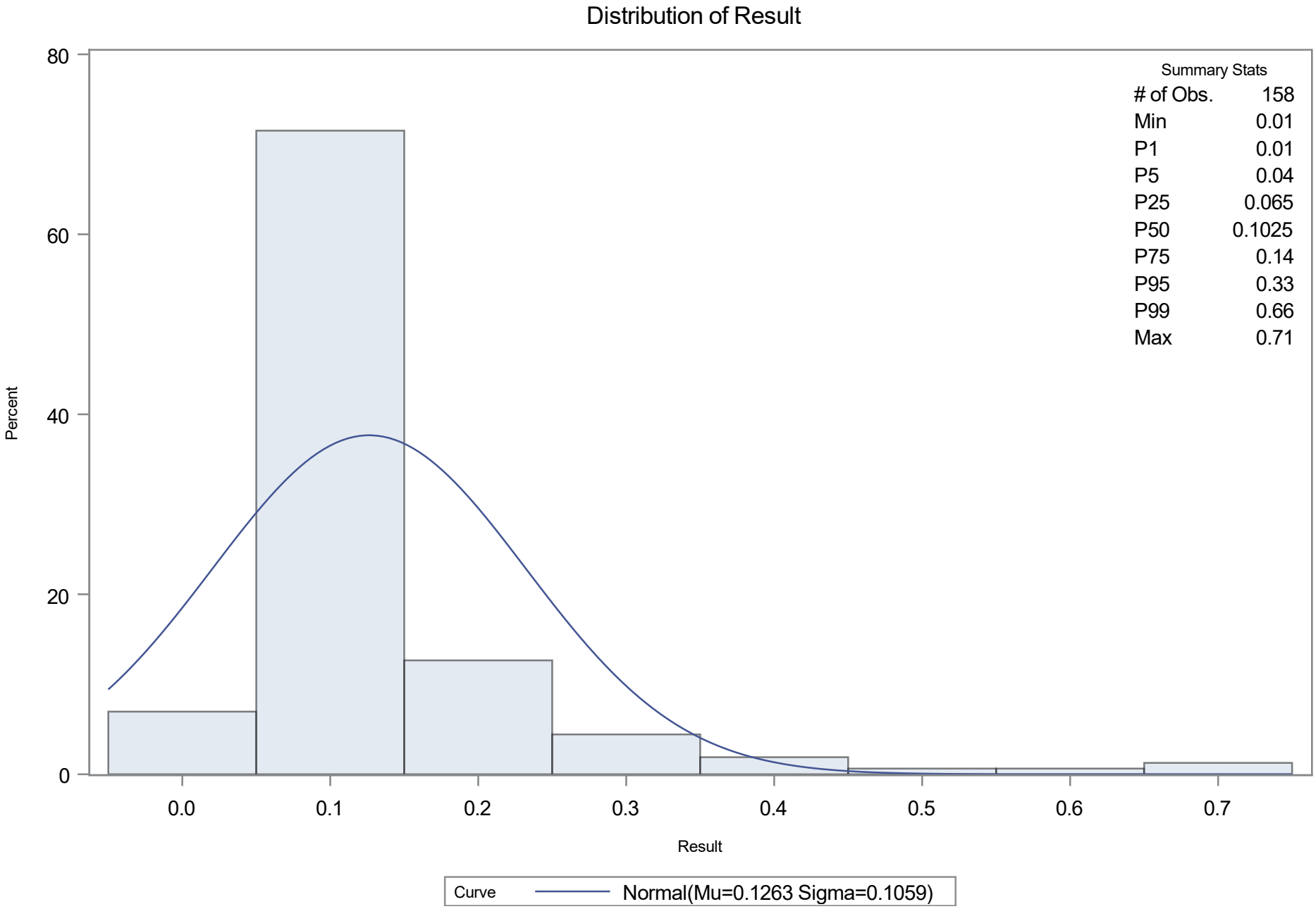

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 106
Result
0.0
0.2
0.4
0.6
0.8
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 108
Result
0.0
0.2
0.4
0.6
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 108



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 108

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.126291
Std Dev	Sigma	0.105903

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.2206538	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.2991748	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	12.7797543	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.01000	-0.12008
5.0	0.04000	-0.04790
10.0	0.05000	-0.00943
25.0	0.06500	0.05486
50.0	0.10250	0.12629
75.0	0.14000	0.19772
90.0	0.22700	0.26201
95.0	0.33000	0.30049
99.0	0.66000	0.37266

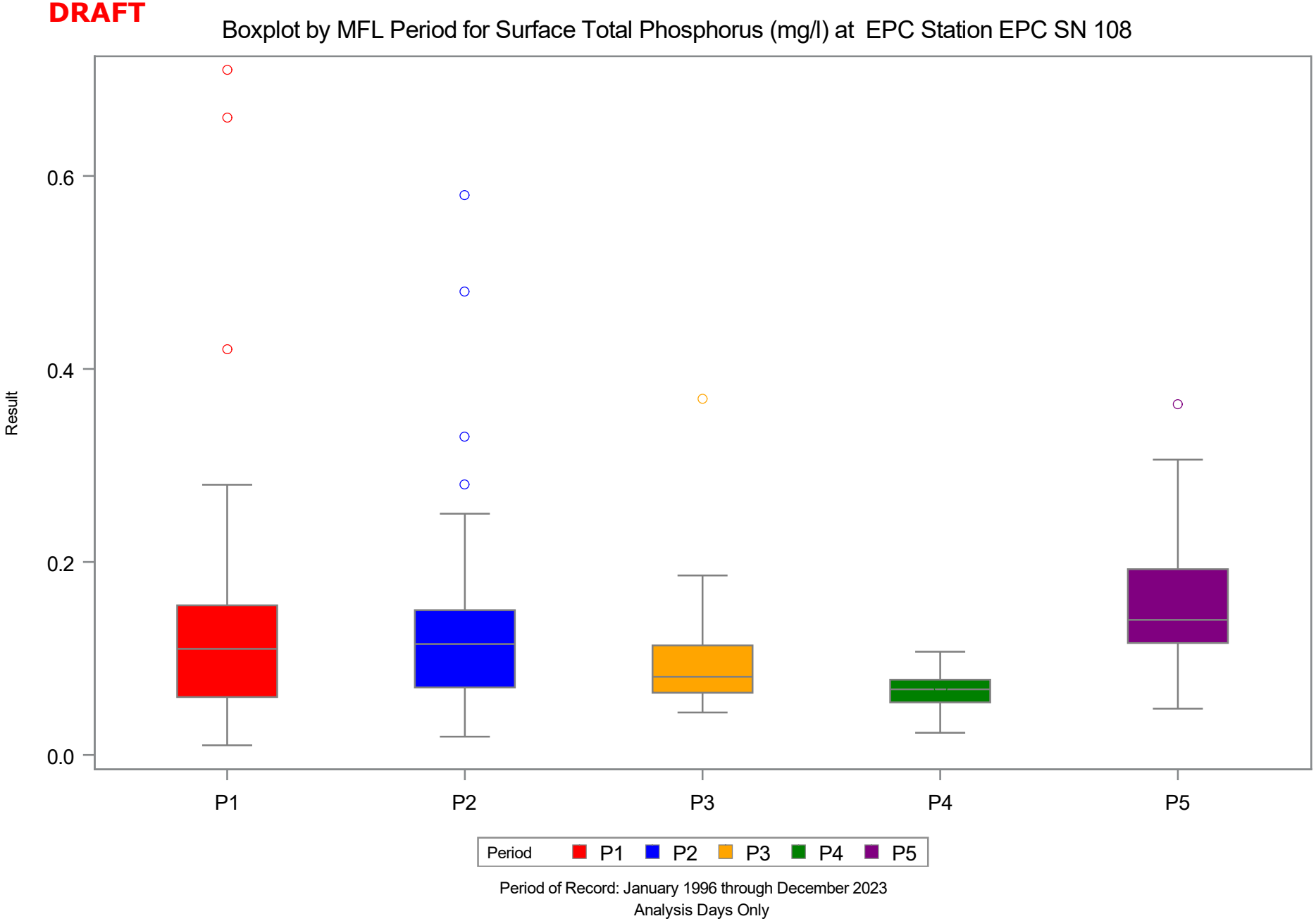
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 108**

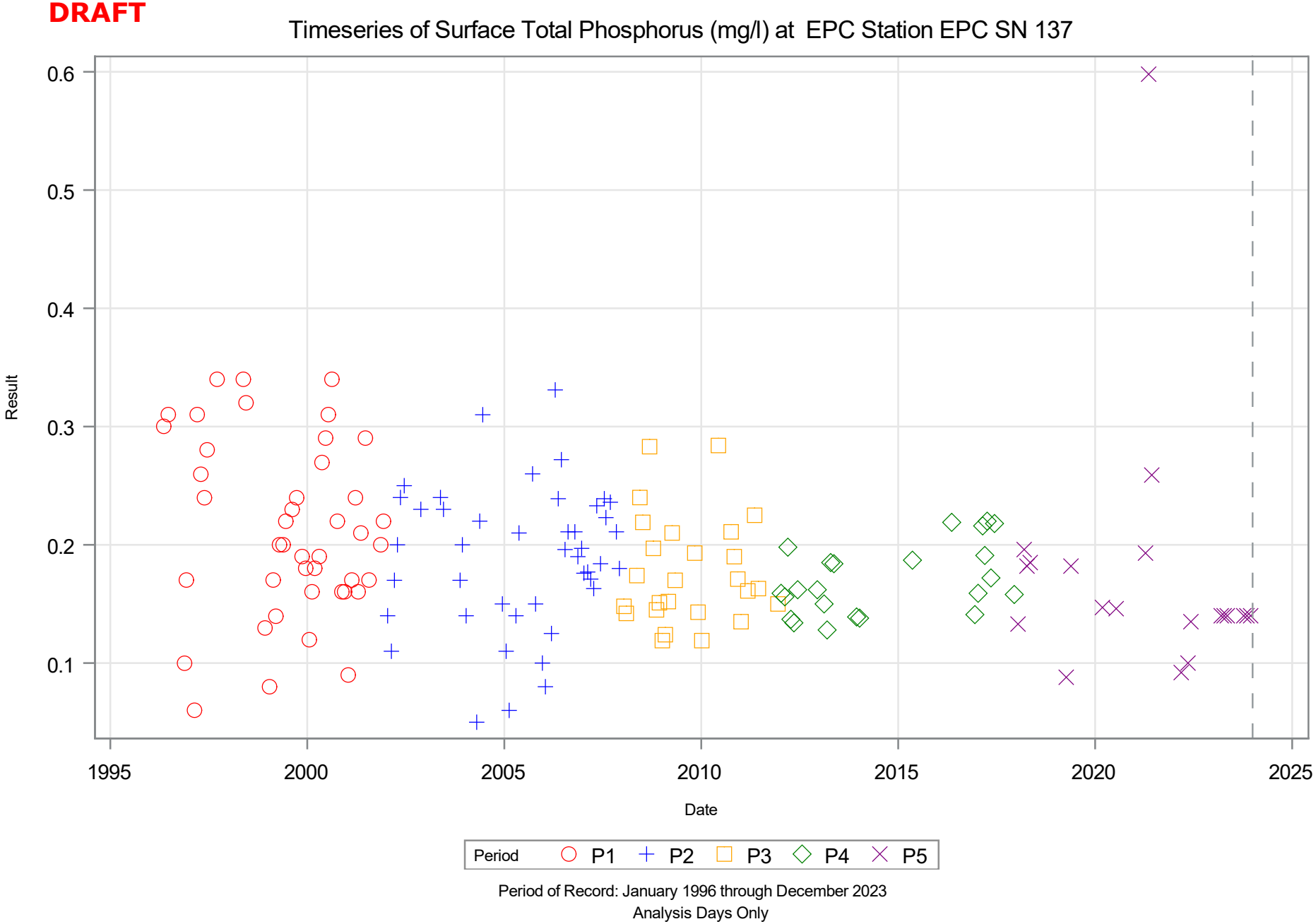
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.01	0.06	0.15	0.11	0.16	0.71
P2	42	0.02	0.07	0.14	0.12	0.15	0.58
P3	28	0.04	0.06	0.10	0.08	0.11	0.37
P4	24	0.02	0.05	0.07	0.07	0.08	0.11
P5	20	0.05	0.12	0.16	0.14	0.19	0.36

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

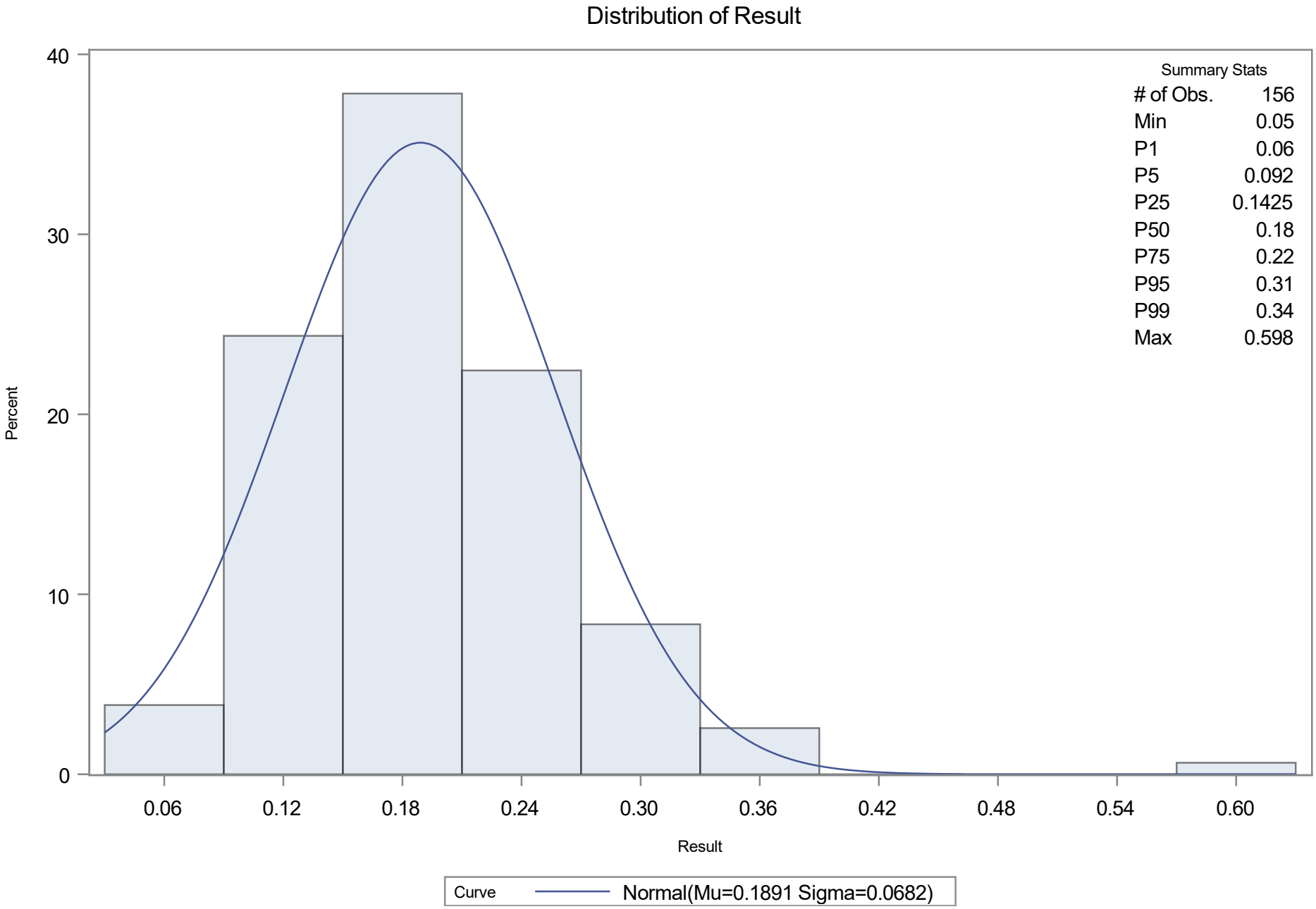

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 108
Result
0.0
0.2
0.4
0.6
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 137
Result
0.6
0.5
0.4
0.3
0.2
0.1
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 137



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 137

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.189058
Std Dev	Sigma	0.068209

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.09653008	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37302282	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.19382218	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06000	0.03038
5.0	0.09200	0.07686
10.0	0.12000	0.10164
25.0	0.14250	0.14305
50.0	0.18000	0.18906
75.0	0.22000	0.23506
90.0	0.28000	0.27647
95.0	0.31000	0.30125
99.0	0.34000	0.34774

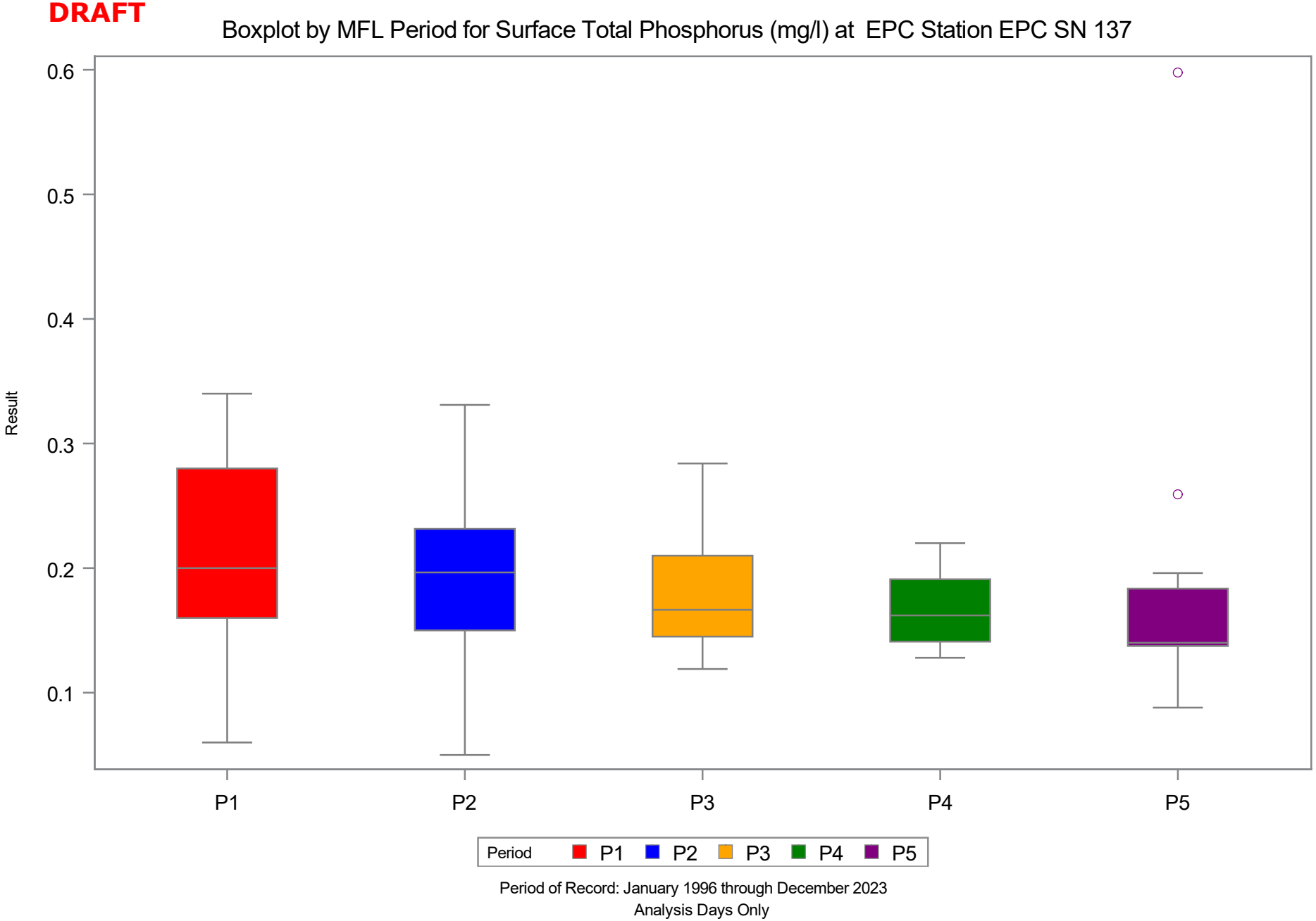
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 137**

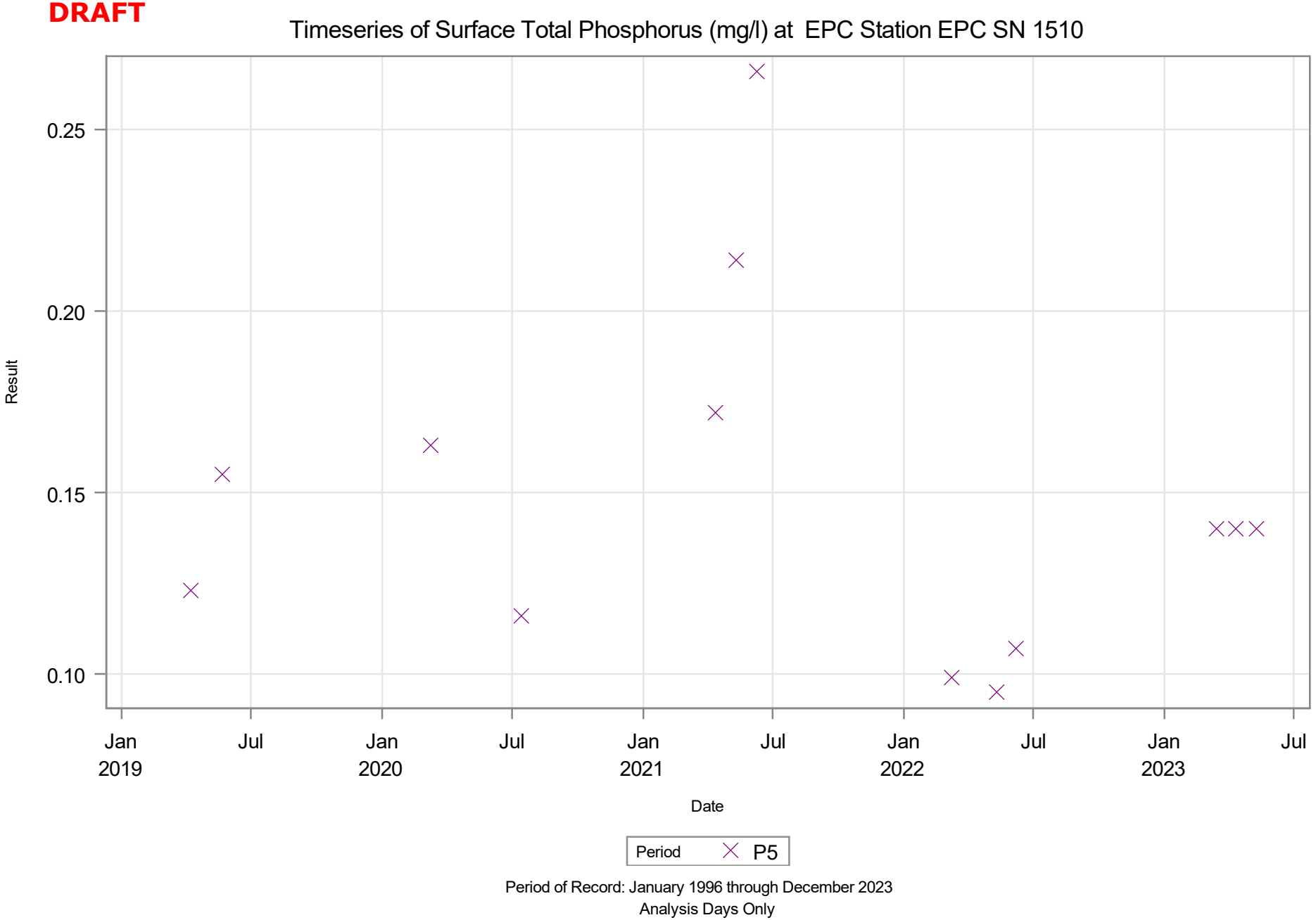
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.06	0.16	0.21	0.20	0.28	0.34
P2	44	0.05	0.15	0.19	0.20	0.23	0.33
P3	26	0.12	0.15	0.18	0.17	0.21	0.28
P4	23	0.13	0.14	0.17	0.16	0.19	0.22
P5	20	0.09	0.14	0.17	0.14	0.18	0.60

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

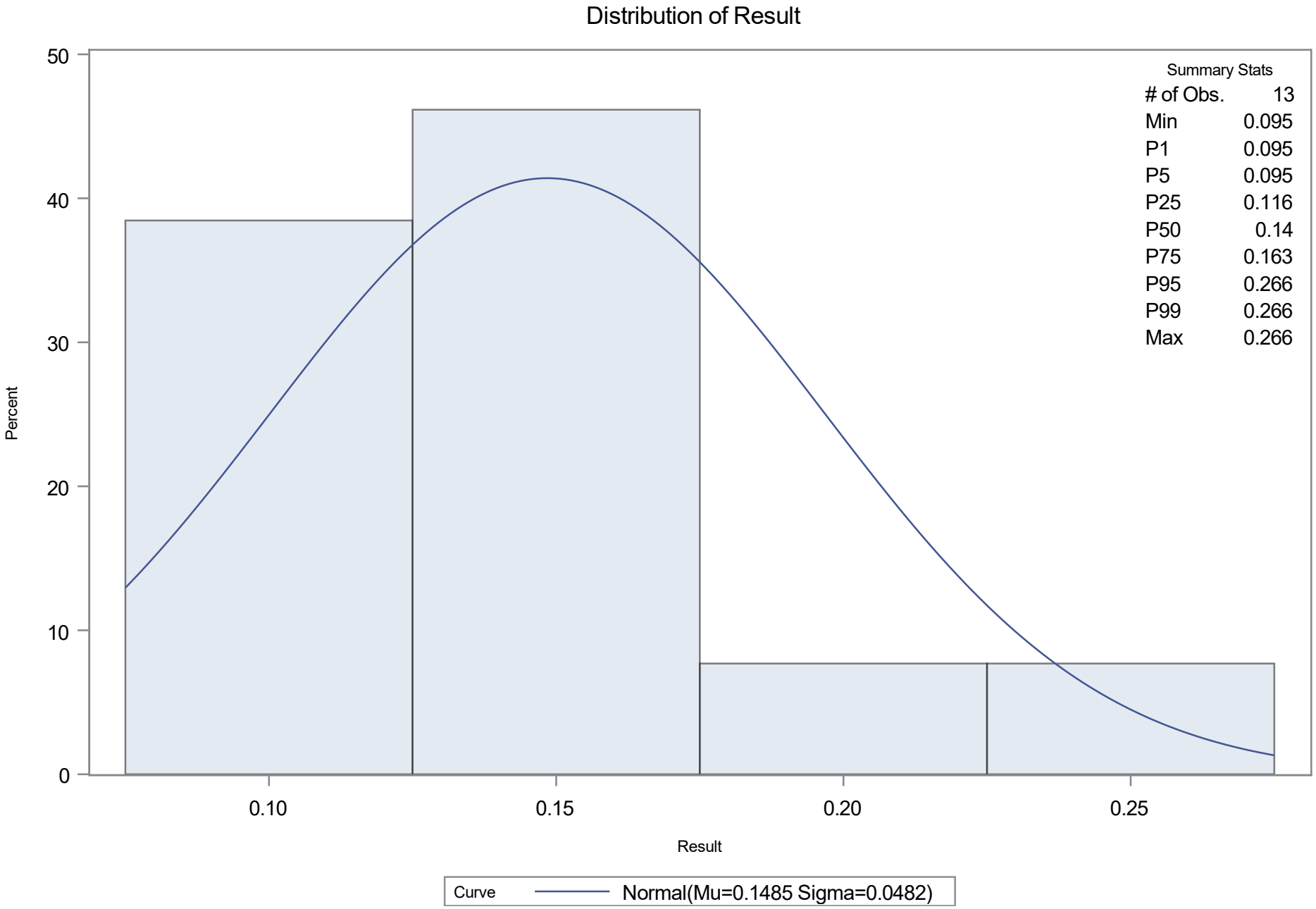

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 137
Result
0.6
0.5
0.4
0.3
0.2
0.1
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 1510
Result
0.25
0.20
0.15
0.10
Jan
2019
Jul
Jan
2020
Jul
Jan
2021
Jul
Jan
2022
Jul
Jan
2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 1510



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 1510

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.148462
Std Dev	Sigma	0.048183

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.18508542	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.08467269	**Pr > W-Sq**	0.168
Anderson-Darling	**A-Sq**	0.54336249	**Pr > A-Sq**	0.135

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09500	0.03637
5.0	0.09500	0.06921
10.0	0.09900	0.08671
25.0	0.11600	0.11596
50.0	0.14000	0.14846
75.0	0.16300	0.18096
90.0	0.21400	0.21021
95.0	0.26600	0.22772
99.0	0.26600	0.26055

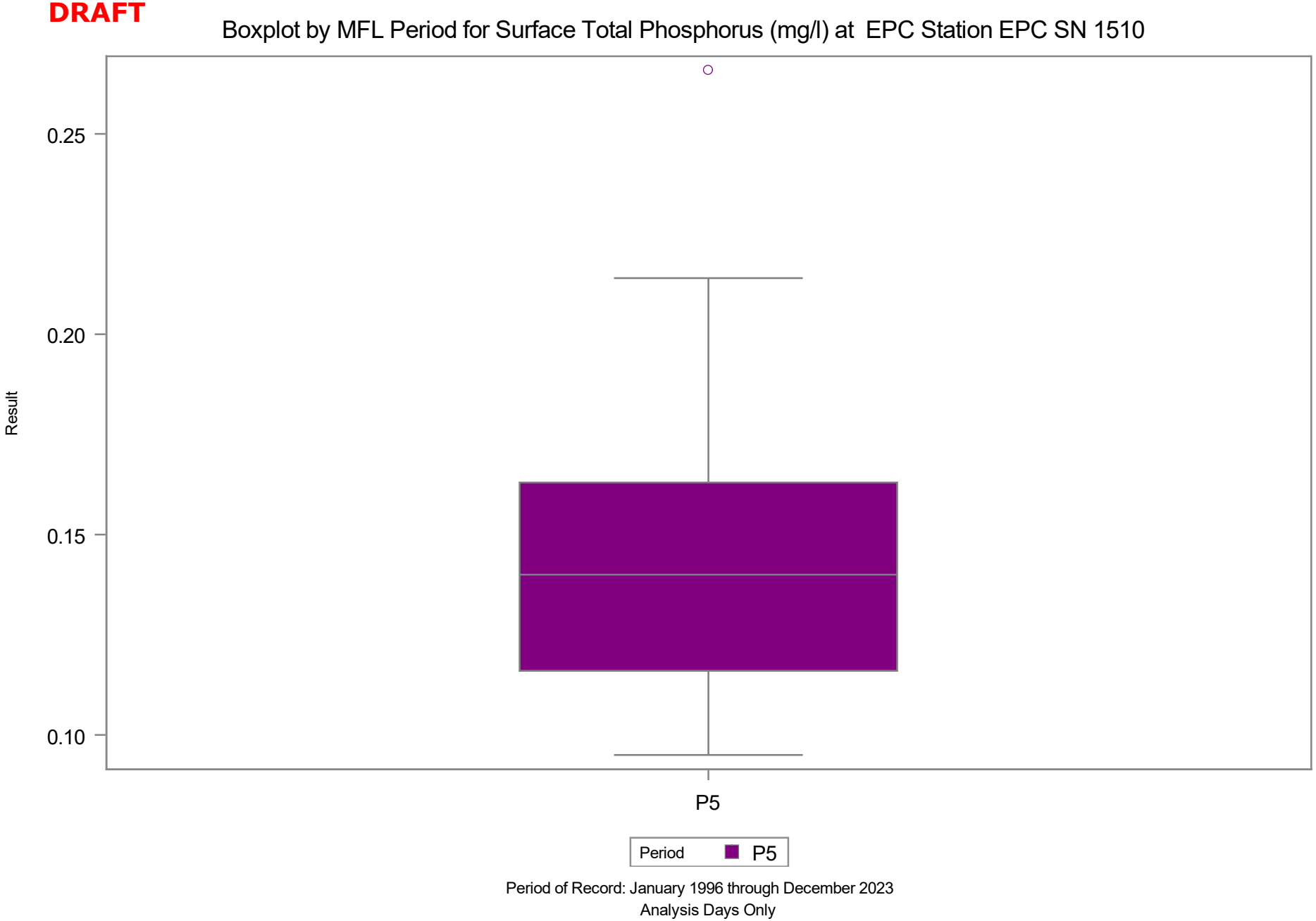
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 1510**

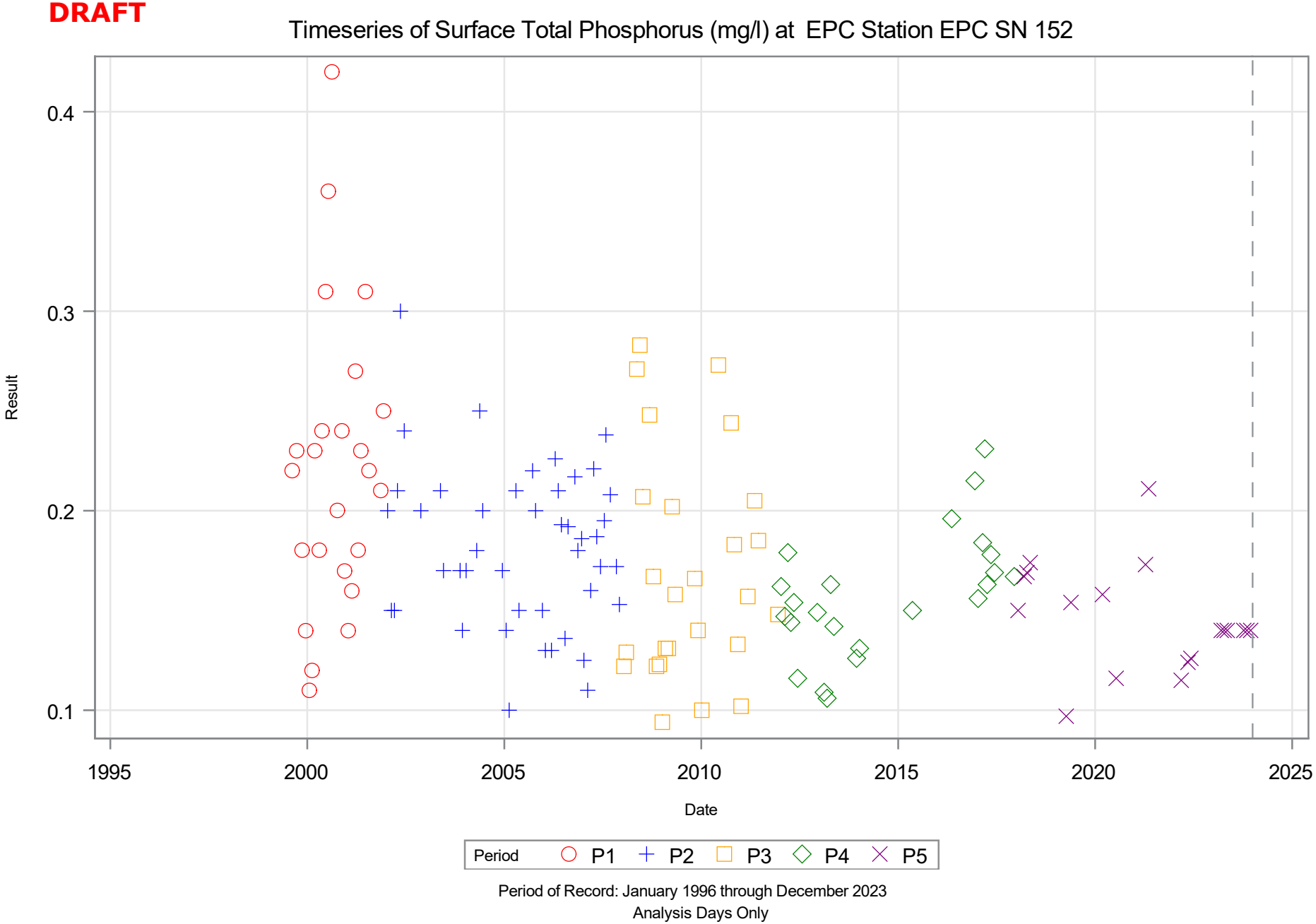
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	13	0.10	0.12	0.15	0.14	0.16	0.27

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

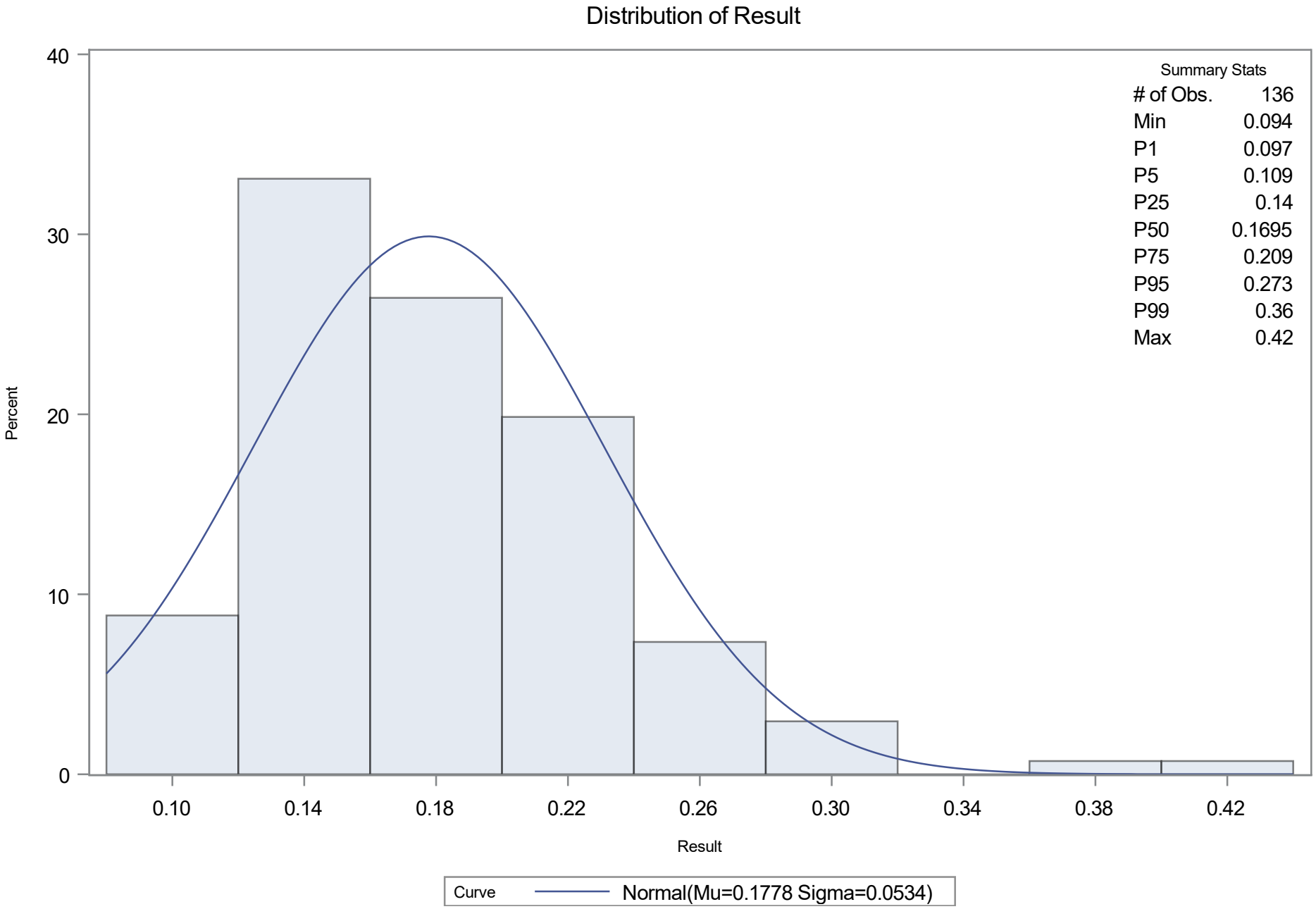

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 1510
Result
0.25
0.20
0.15
0.10
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 152
Result
0.4
0.3
0.2
0.1
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 152



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 152

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.177765
Std Dev	Sigma	0.053396

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10095117	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.31139732	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.99078903	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09700	0.05355
5.0	0.10900	0.08994
10.0	0.12200	0.10934
25.0	0.14000	0.14175
50.0	0.16950	0.17776
75.0	0.20900	0.21378
90.0	0.24000	0.24619
95.0	0.27300	0.26559
99.0	0.36000	0.30198

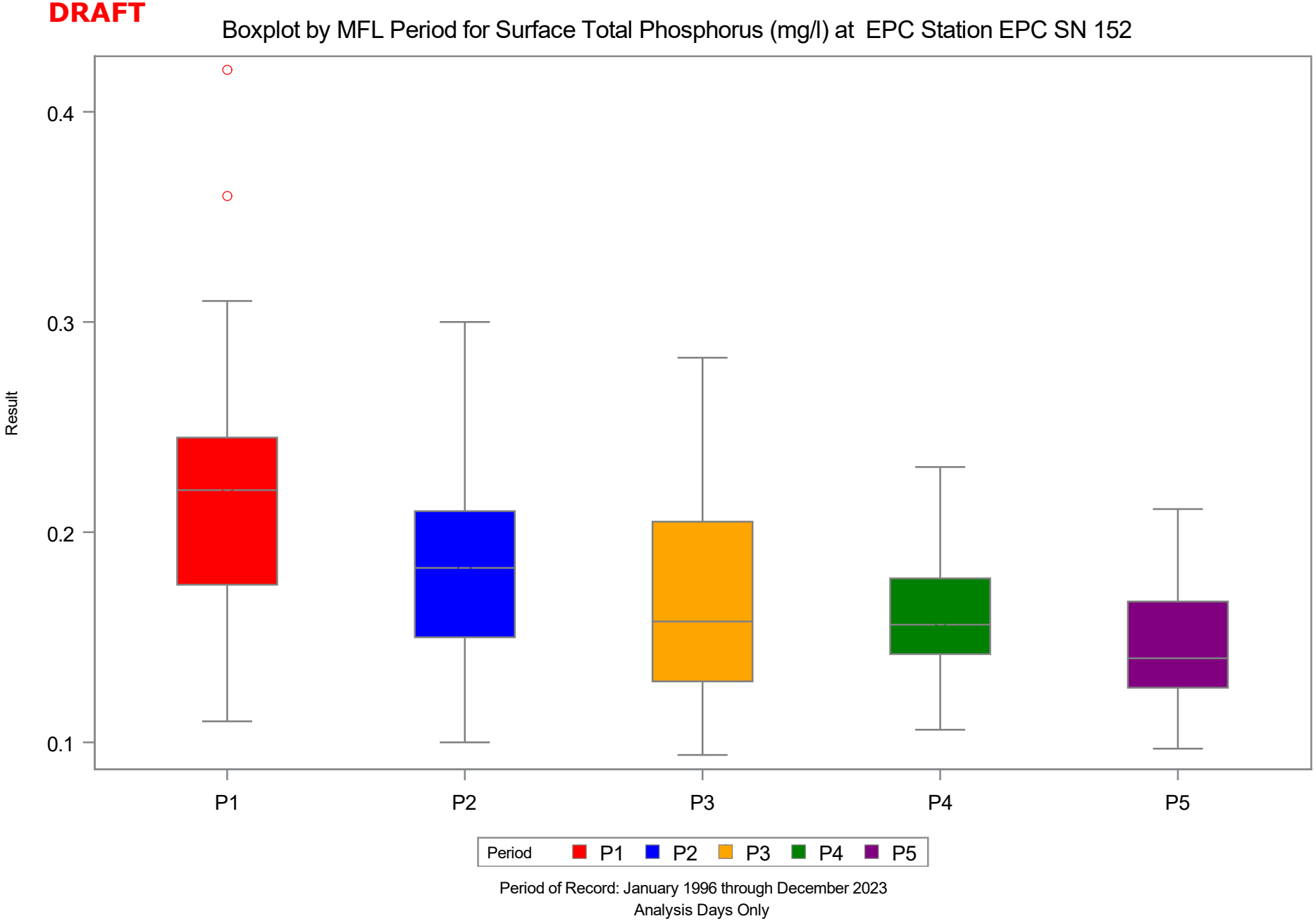
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 152**

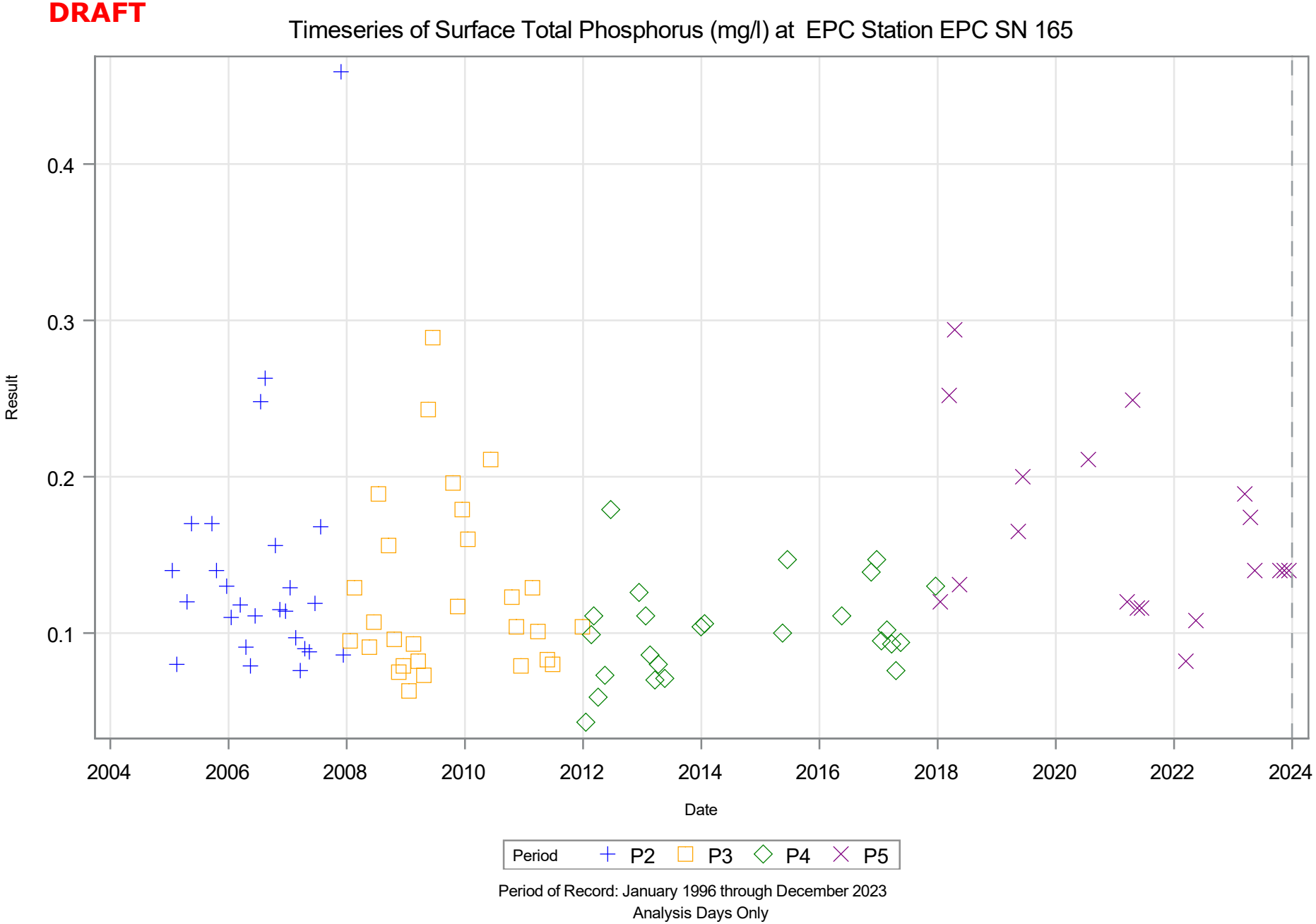
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	24	0.11	0.18	0.22	0.22	0.25	0.42
P2	44	0.10	0.15	0.18	0.18	0.21	0.30
P3	26	0.09	0.13	0.17	0.16	0.21	0.28
P4	23	0.11	0.14	0.16	0.16	0.18	0.23
P5	19	0.10	0.13	0.15	0.14	0.17	0.21

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

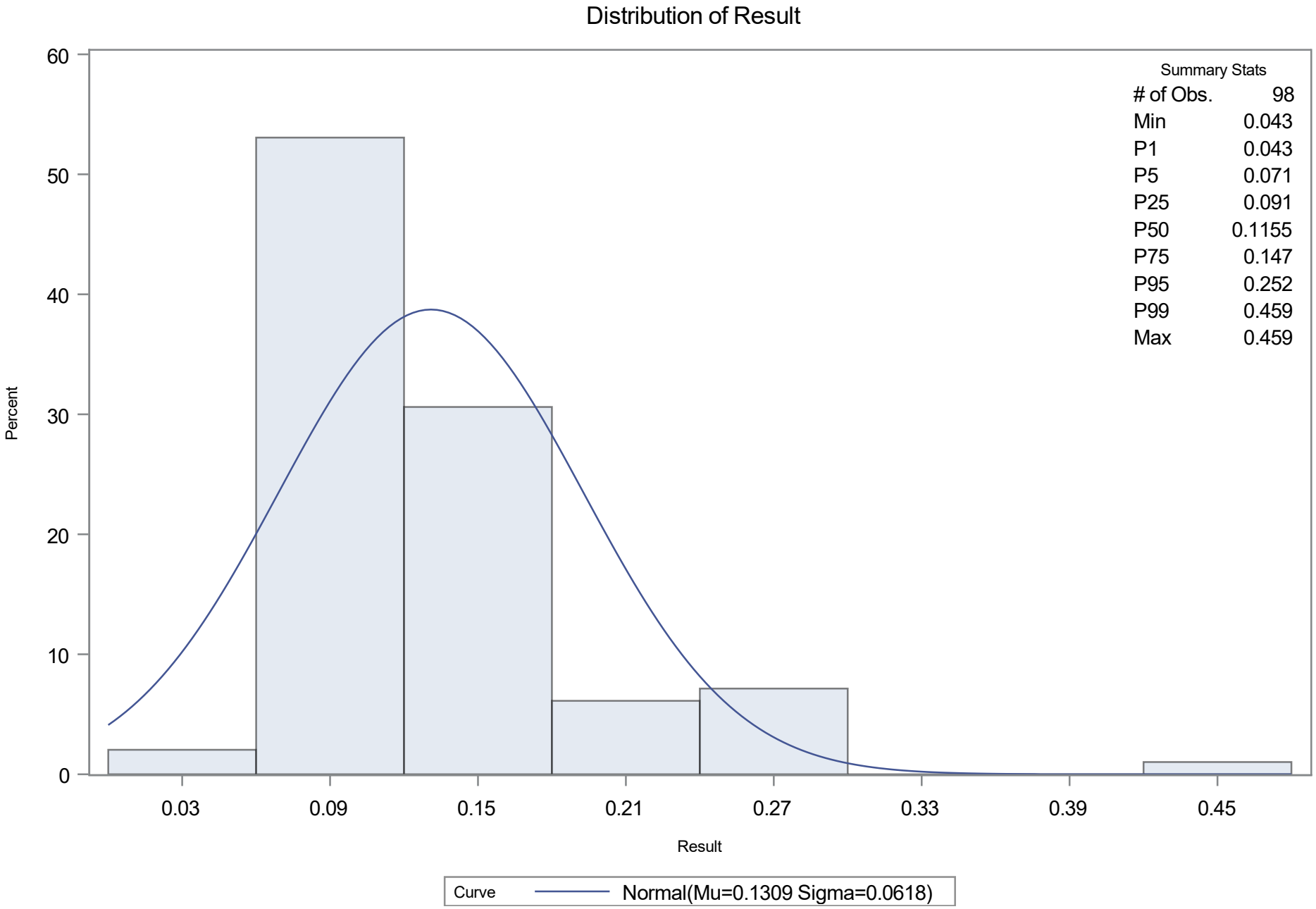

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 152
Result
0.4
0.3
0.2
0.1
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 165
Result
0.4
0.3
0.2
0.1
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 165



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 165

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.130939
Std Dev	Sigma	0.061803

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.17641193	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.77654663	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	4.42424976	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.04300	-0.01284
5.0	0.07100	0.02928
10.0	0.07600	0.05174
25.0	0.09100	0.08925
50.0	0.11550	0.13094
75.0	0.14700	0.17262
90.0	0.21100	0.21014
95.0	0.25200	0.23260
99.0	0.45900	0.27471

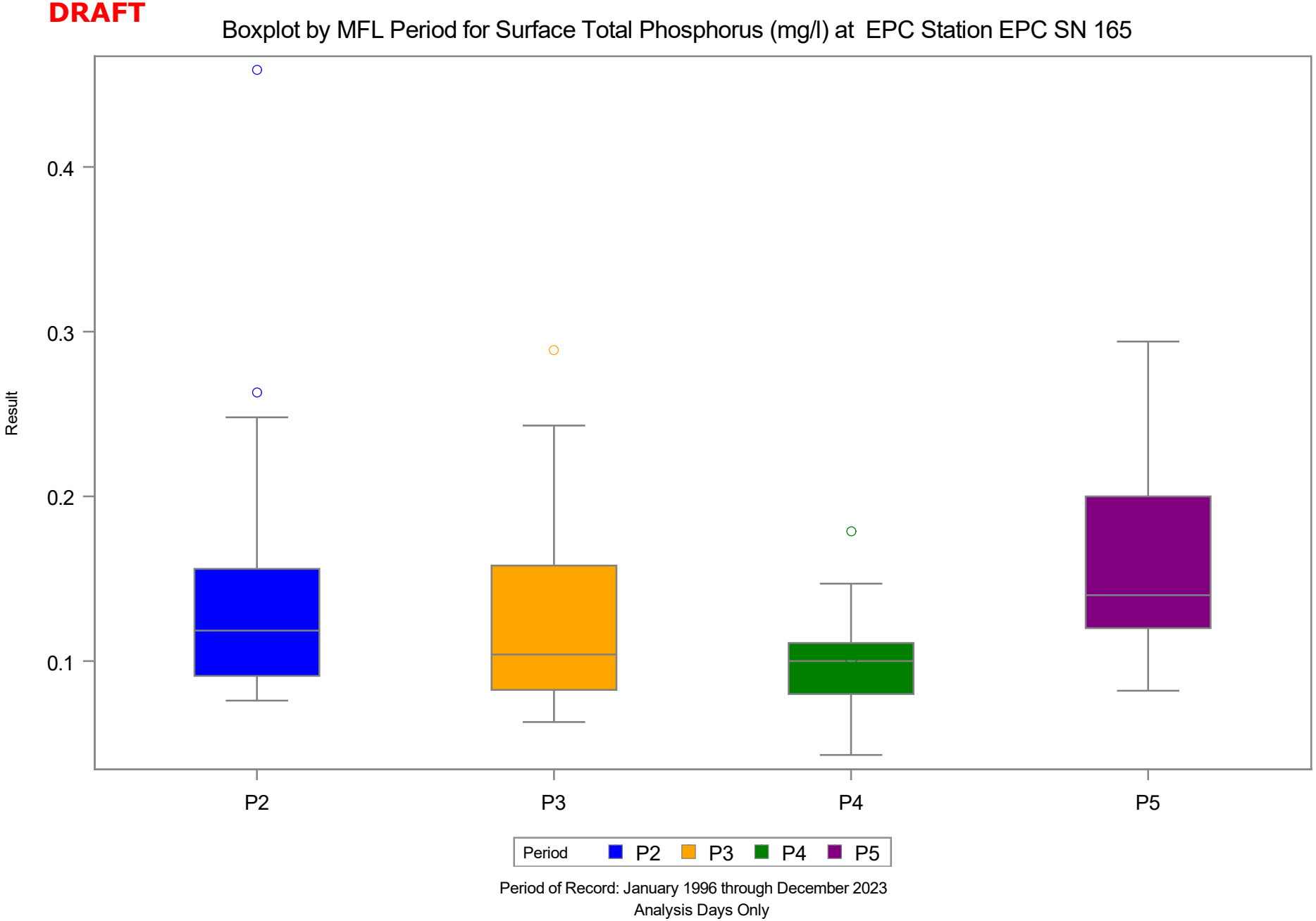
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 165**

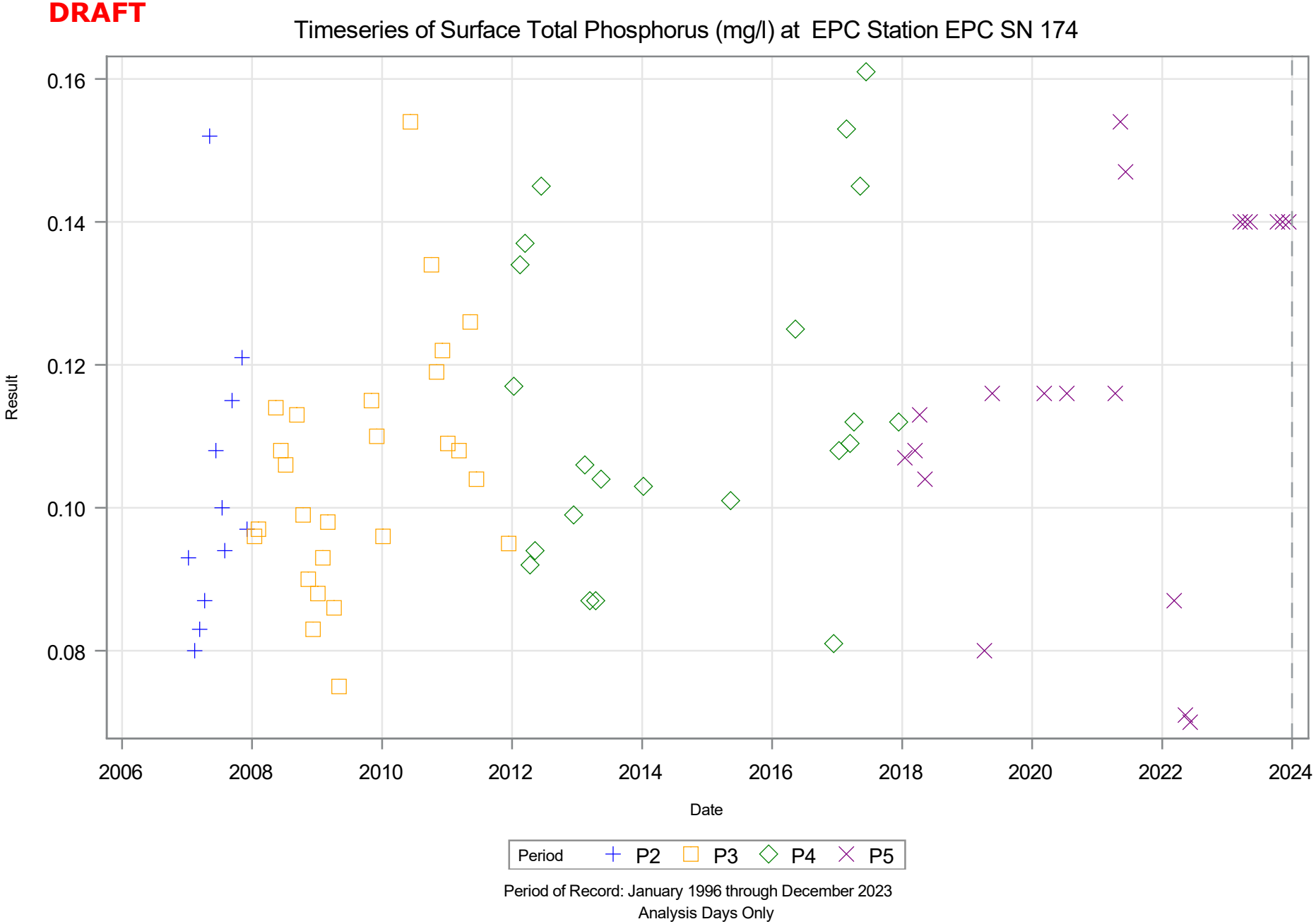
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	26	0.08	0.09	0.14	0.12	0.16	0.46
P3	28	0.06	0.08	0.13	0.10	0.16	0.29
P4	25	0.04	0.08	0.10	0.10	0.11	0.18
P5	19	0.08	0.12	0.16	0.14	0.20	0.29

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

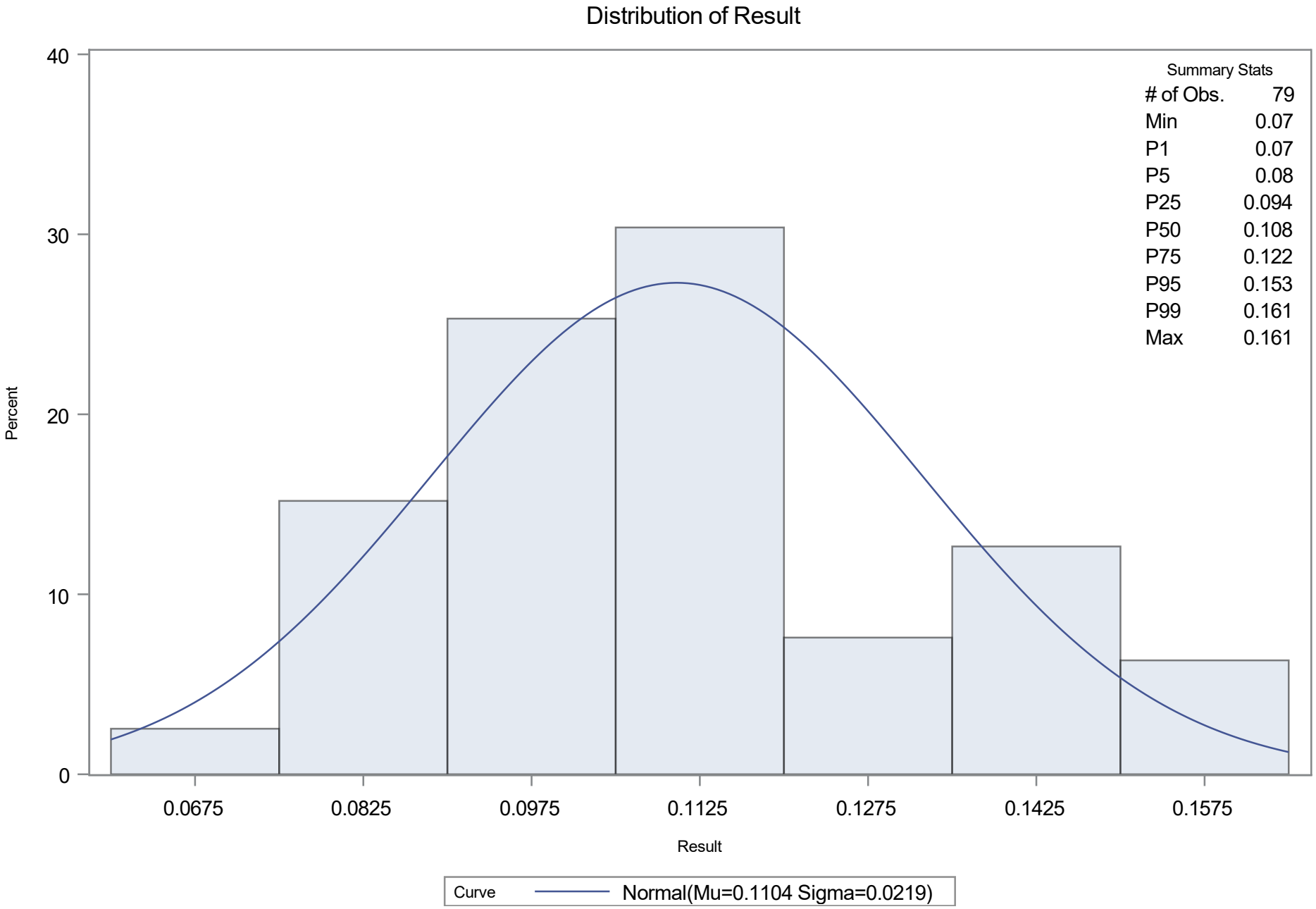

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 165
Result
0.4
0.3
0.2
0.1
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 174
Result
0.16
0.14
0.12
0.10
0.08
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 174



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 174

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.110443
Std Dev	Sigma	0.021915

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.10877331	**Pr > D**	0.021
Cramer-von Mises	**W-Sq**	0.16185876	**Pr > W-Sq**	0.018
Anderson-Darling	**A-Sq**	1.00925801	**Pr > A-Sq**	0.011

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07000	0.05946
5.0	0.08000	0.07440
10.0	0.08300	0.08236
25.0	0.09400	0.09566
50.0	0.10800	0.11044
75.0	0.12200	0.12522
90.0	0.14500	0.13853
95.0	0.15300	0.14649
99.0	0.16100	0.16142

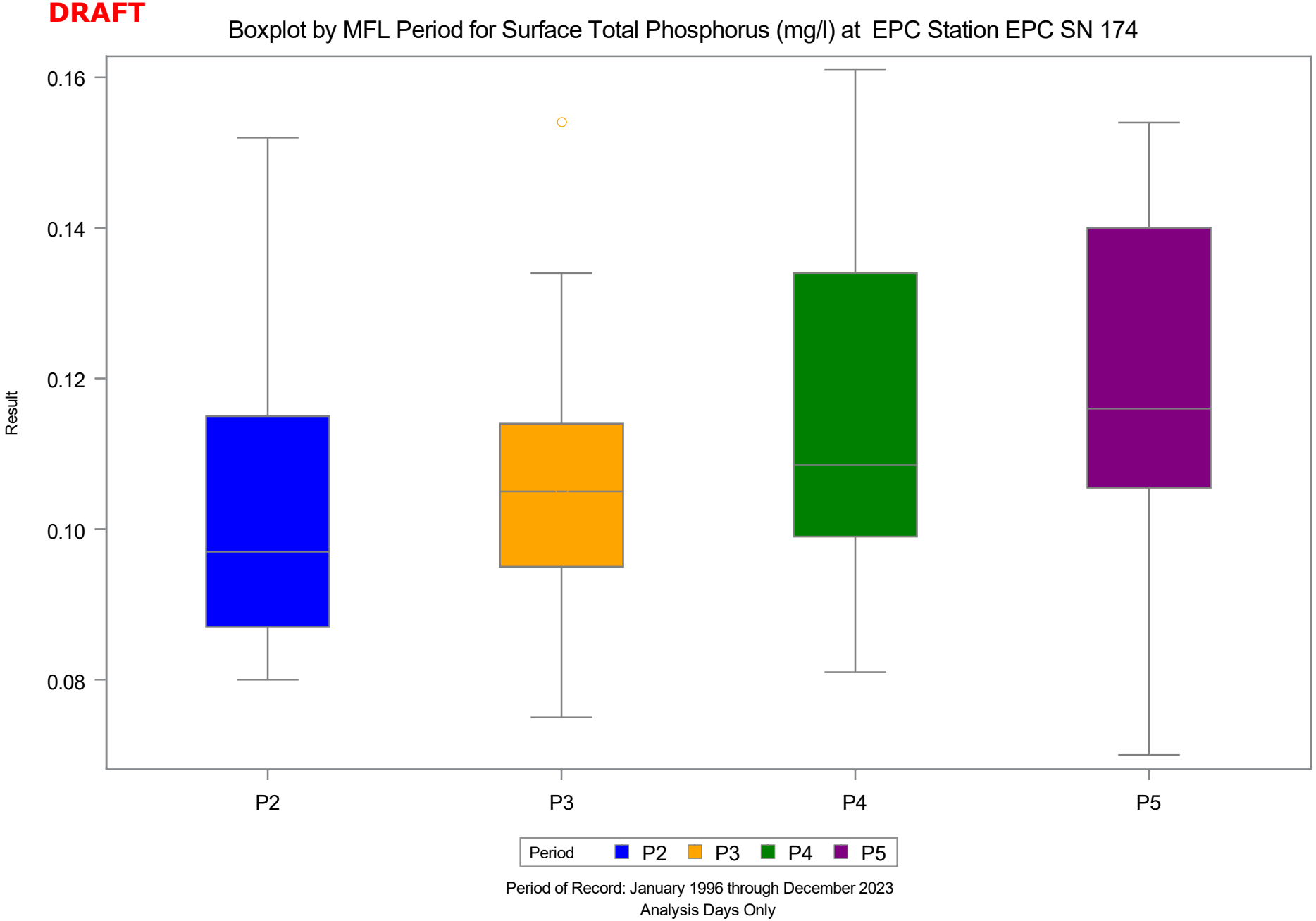
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 174**

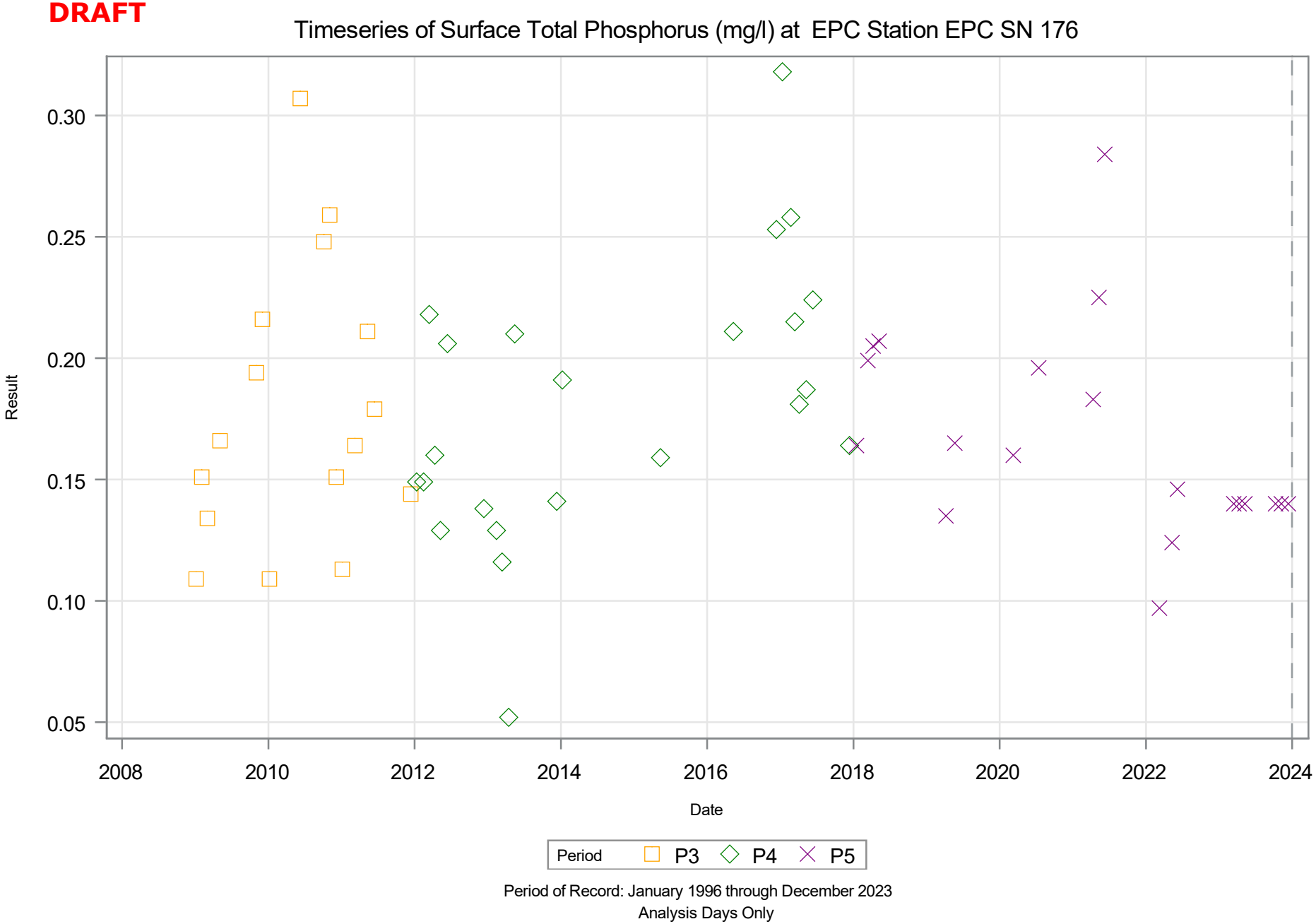
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	0.08	0.09	0.10	0.10	0.12	0.15
P3	26	0.08	0.10	0.11	0.11	0.11	0.15
P4	22	0.08	0.10	0.11	0.11	0.13	0.16
P5	20	0.07	0.11	0.12	0.12	0.14	0.15

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

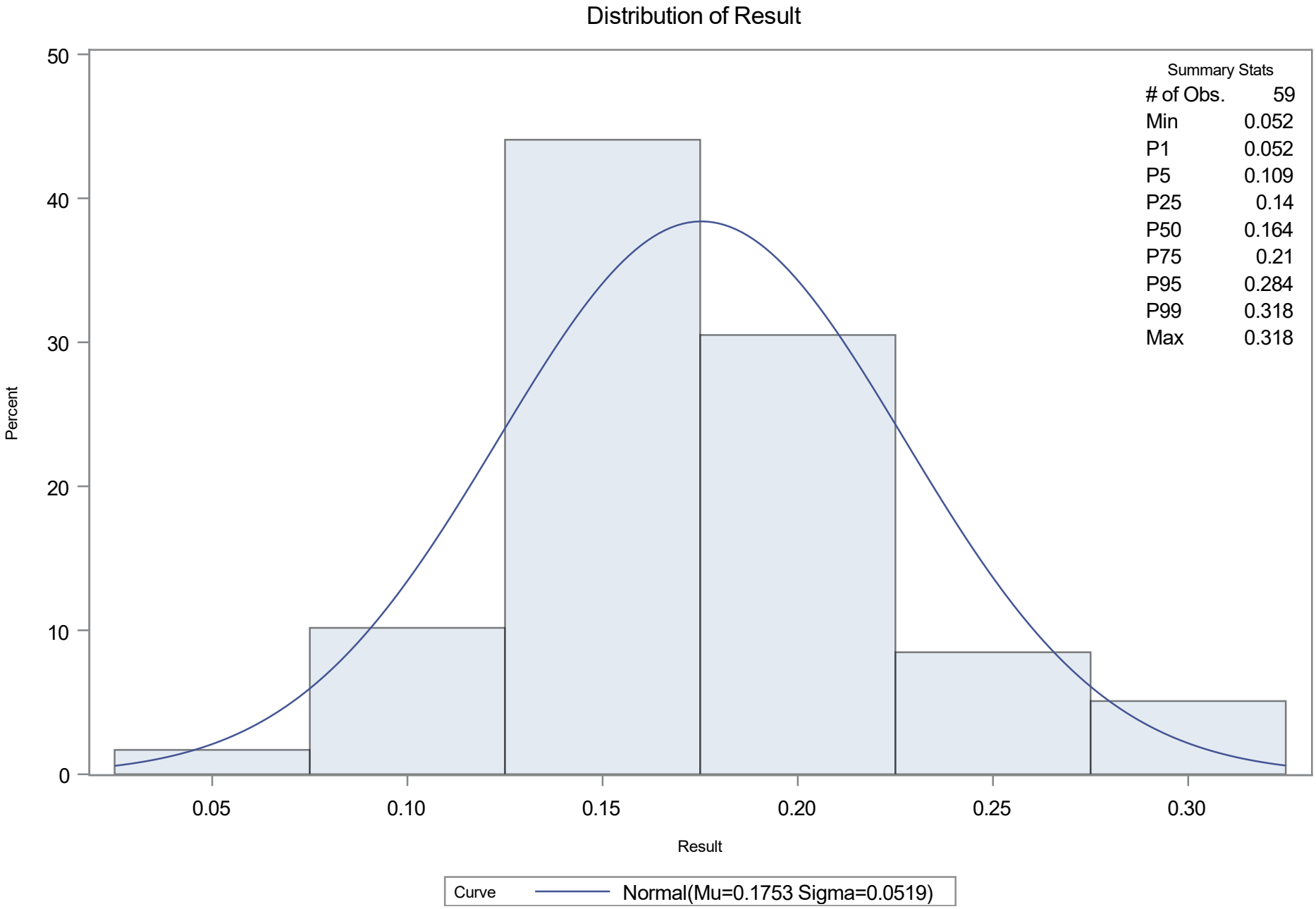

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 174
Result
0.16
0.14
0.12
0.10
0.08
P2
P3
P4
P5
Period
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 176
Result
0.30
0.25
0.20
0.15
0.10
0.05
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 176



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 176

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.175305
Std Dev	Sigma	0.05195

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13039925	**Pr > D**	0.014
Cramer-von Mises	**W-Sq**	0.14763016	**Pr > W-Sq**	0.025
Anderson-Darling	**A-Sq**	0.87510241	**Pr > A-Sq**	0.024

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.05200	0.05445
5.0	0.10900	0.08986
10.0	0.11600	0.10873
25.0	0.14000	0.14027
50.0	0.16400	0.17531
75.0	0.21000	0.21034
90.0	0.25300	0.24188
95.0	0.28400	0.26075
99.0	0.31800	0.29616

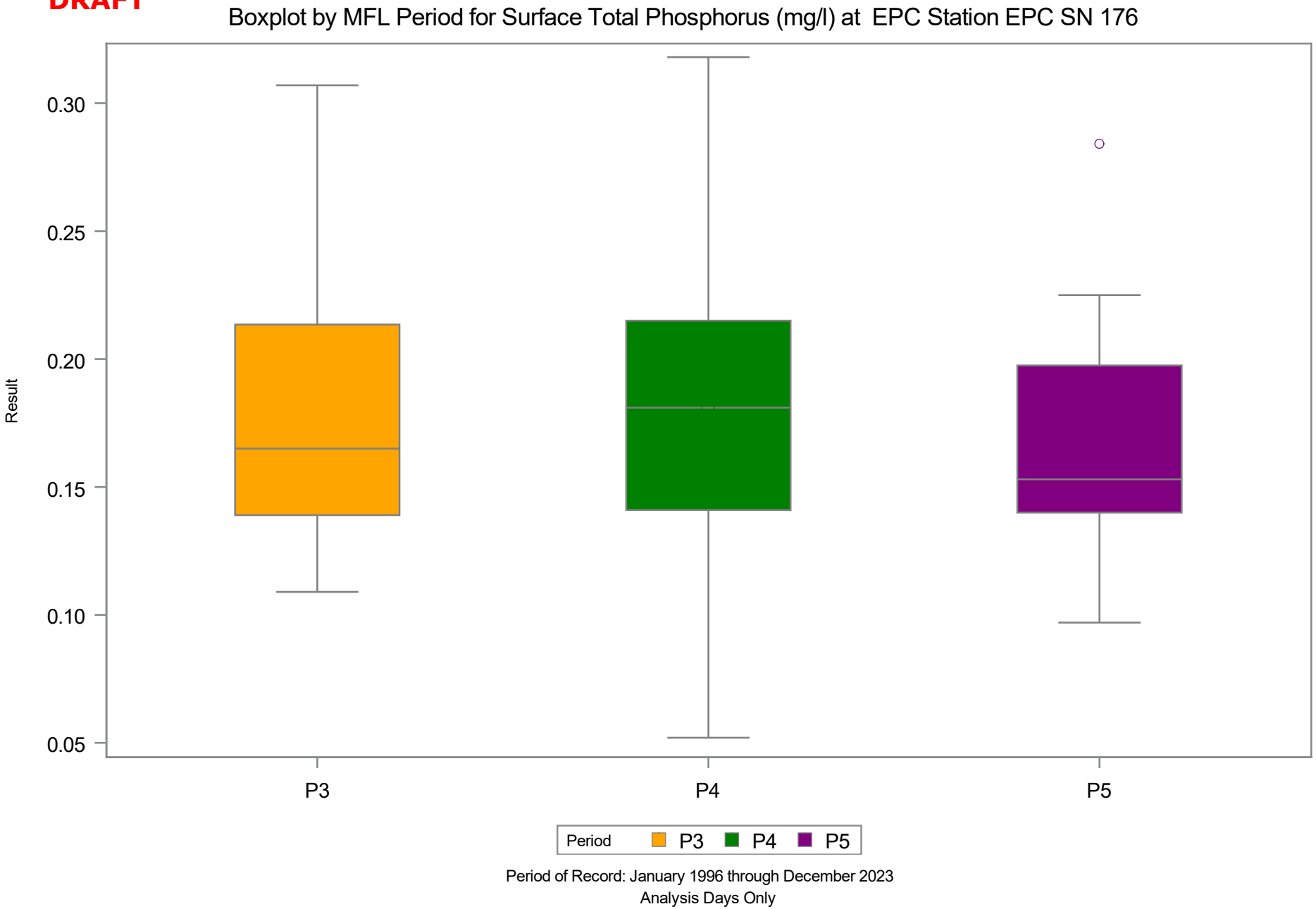
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 176**

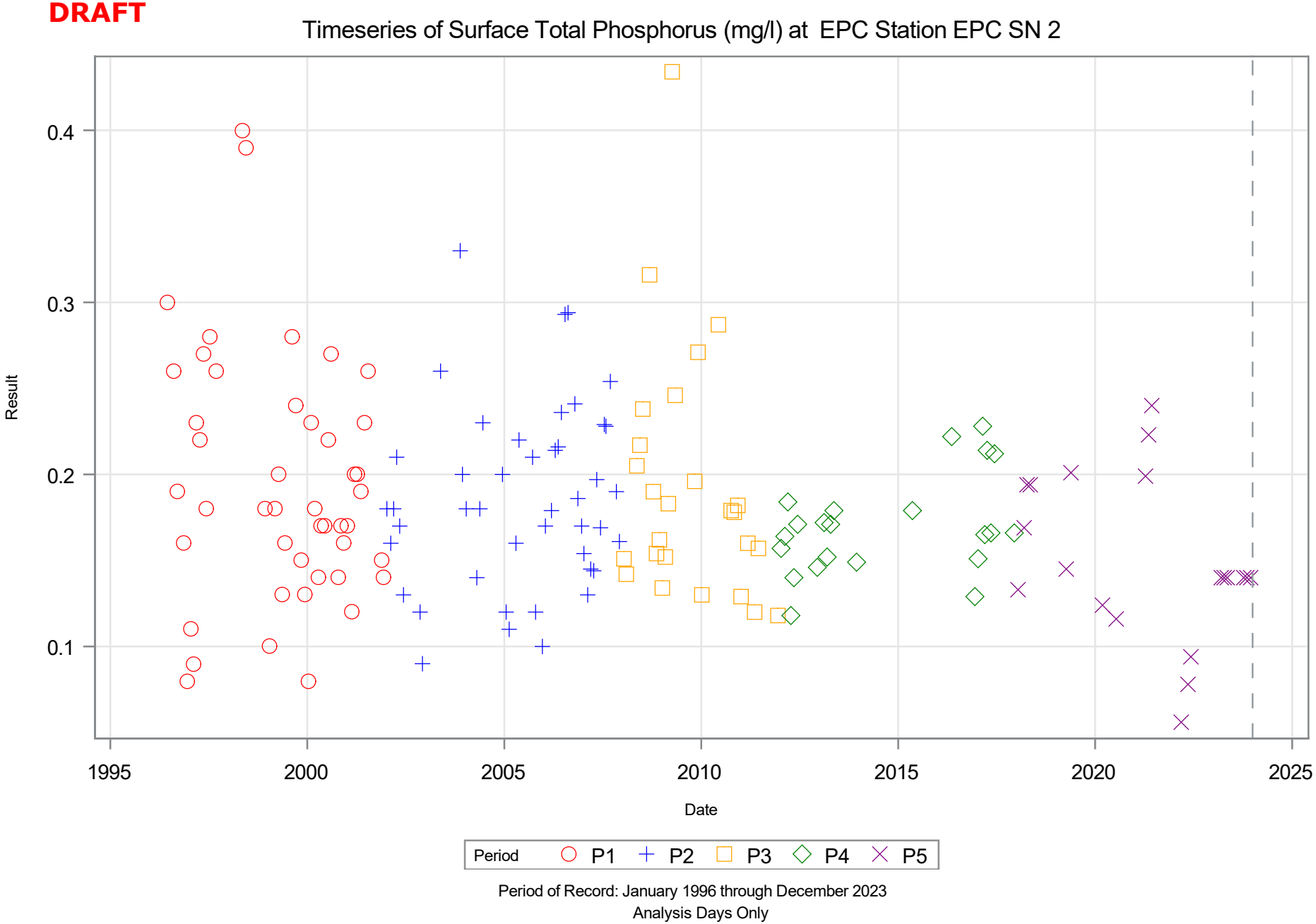
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	16	0.11	0.14	0.18	0.17	0.21	0.31
P4	23	0.05	0.14	0.18	0.18	0.22	0.32
P5	20	0.10	0.14	0.17	0.15	0.20	0.28

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

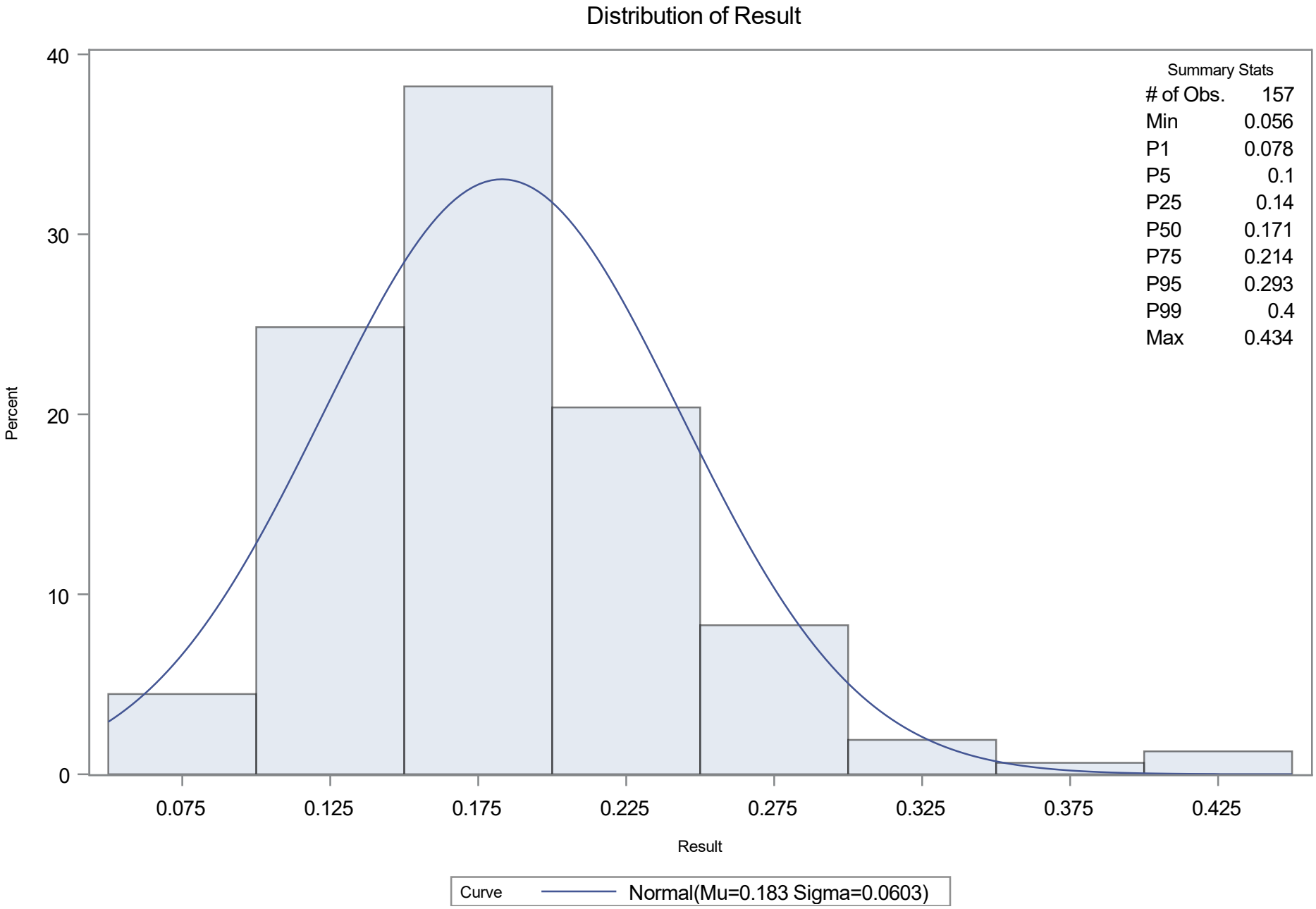

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 176
Result
0.30
0.25
0.20
0.15
0.10
0.05
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 2
Result
0.4
0.3
0.2
0.1
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 2



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 2

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.183006
Std Dev	Sigma	0.060342

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11222470	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.37981783	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.21439687	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07800	0.04263
5.0	0.10000	0.08375
10.0	0.12000	0.10568
25.0	0.14000	0.14231
50.0	0.17100	0.18301
75.0	0.21400	0.22371
90.0	0.26000	0.26034
95.0	0.29300	0.28226
99.0	0.40000	0.32338

Period of Record: January 1996 through December 2023
Analysis Days Only

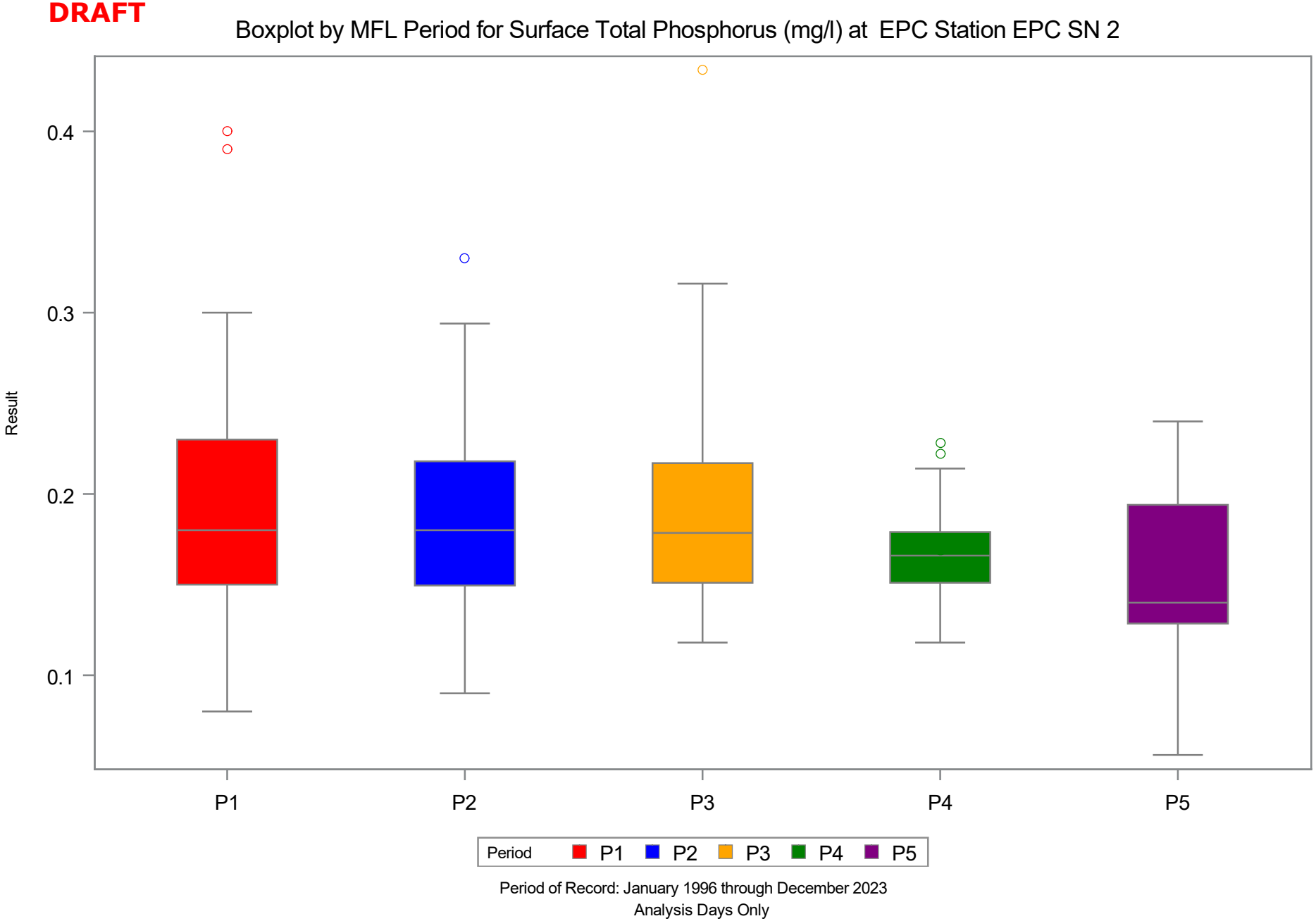
DRAFT

Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 2

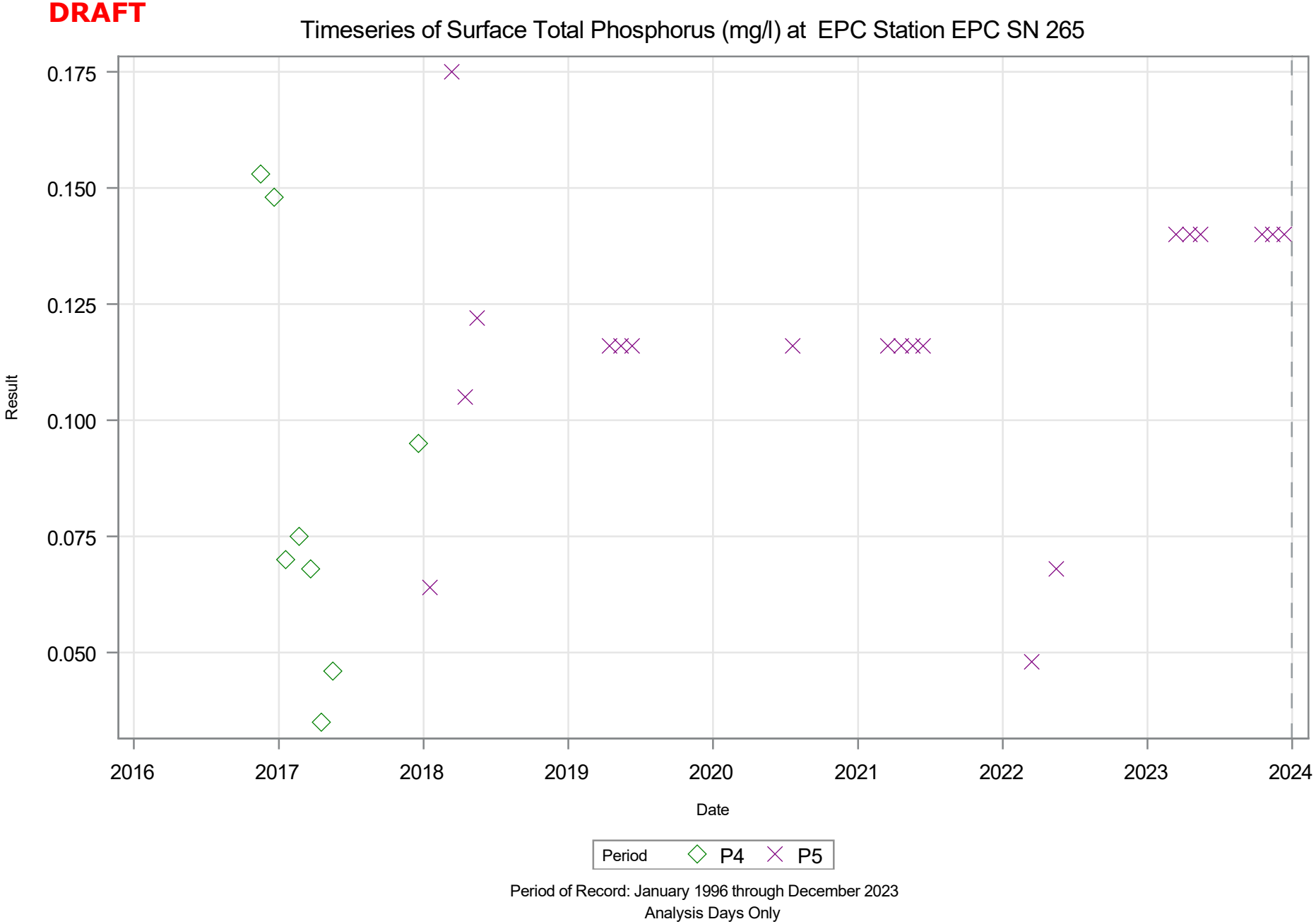
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	0.08	0.15	0.19	0.18	0.23	0.40
P2	44	0.09	0.15	0.19	0.18	0.22	0.33
P3	26	0.12	0.15	0.19	0.18	0.22	0.43
P4	22	0.12	0.15	0.17	0.17	0.18	0.23
P5	20	0.06	0.13	0.15	0.14	0.19	0.24

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

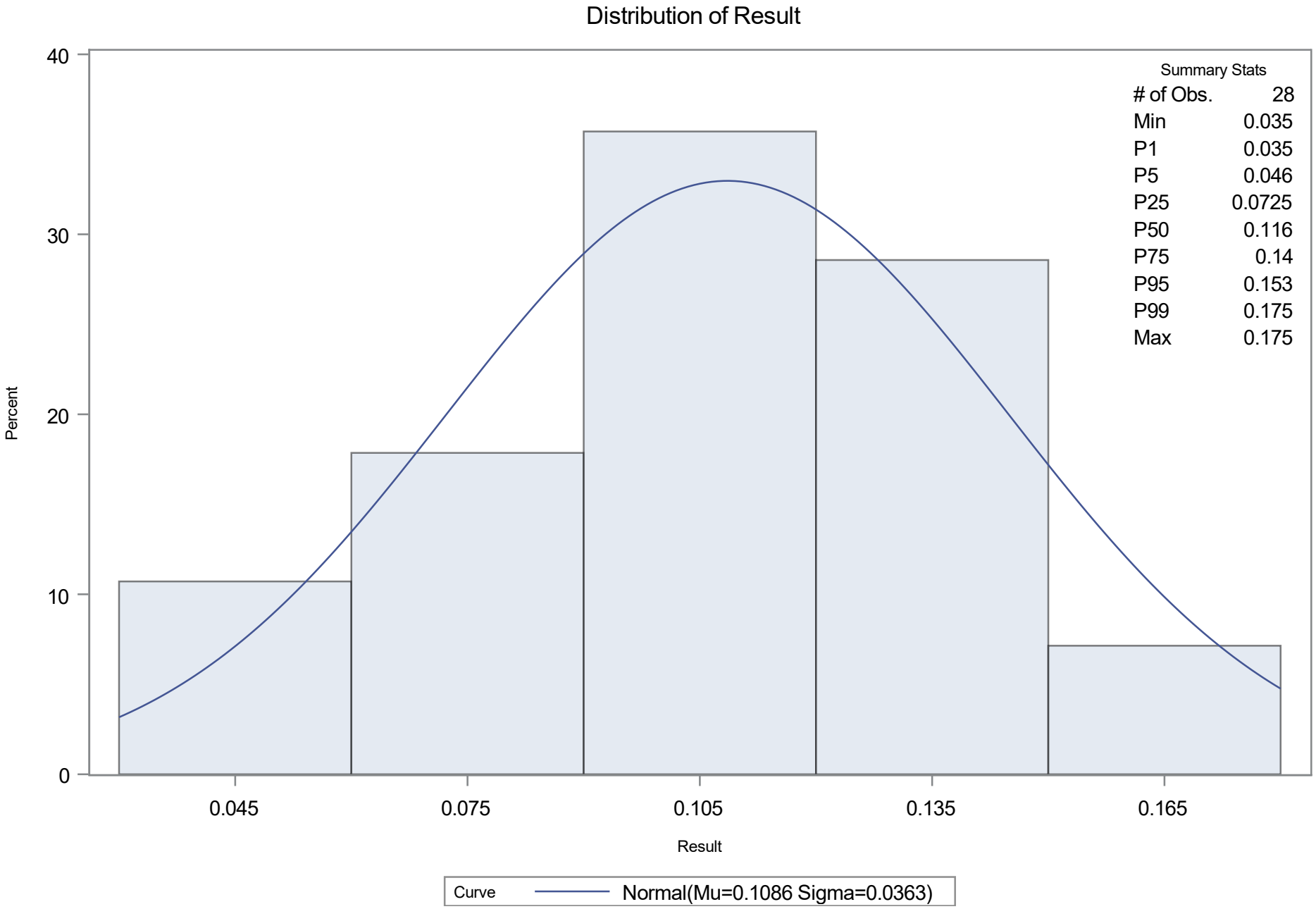

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 2
Result
0.4
0.3
0.2
0.1
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 265
Result
0.175
0.150
0.125
0.100
0.075
0.050
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 265



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 265

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.108571
Std Dev	Sigma	0.0363

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22393281	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.18067814	**Pr > W-Sq**	0.009
Anderson-Darling	**A-Sq**	0.94058855	**Pr > A-Sq**	0.016

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.03500	0.02413
5.0	0.04600	0.04886
10.0	0.04800	0.06205
25.0	0.07250	0.08409
50.0	0.11600	0.10857
75.0	0.14000	0.13306
90.0	0.14800	0.15509
95.0	0.15300	0.16828
99.0	0.17500	0.19302

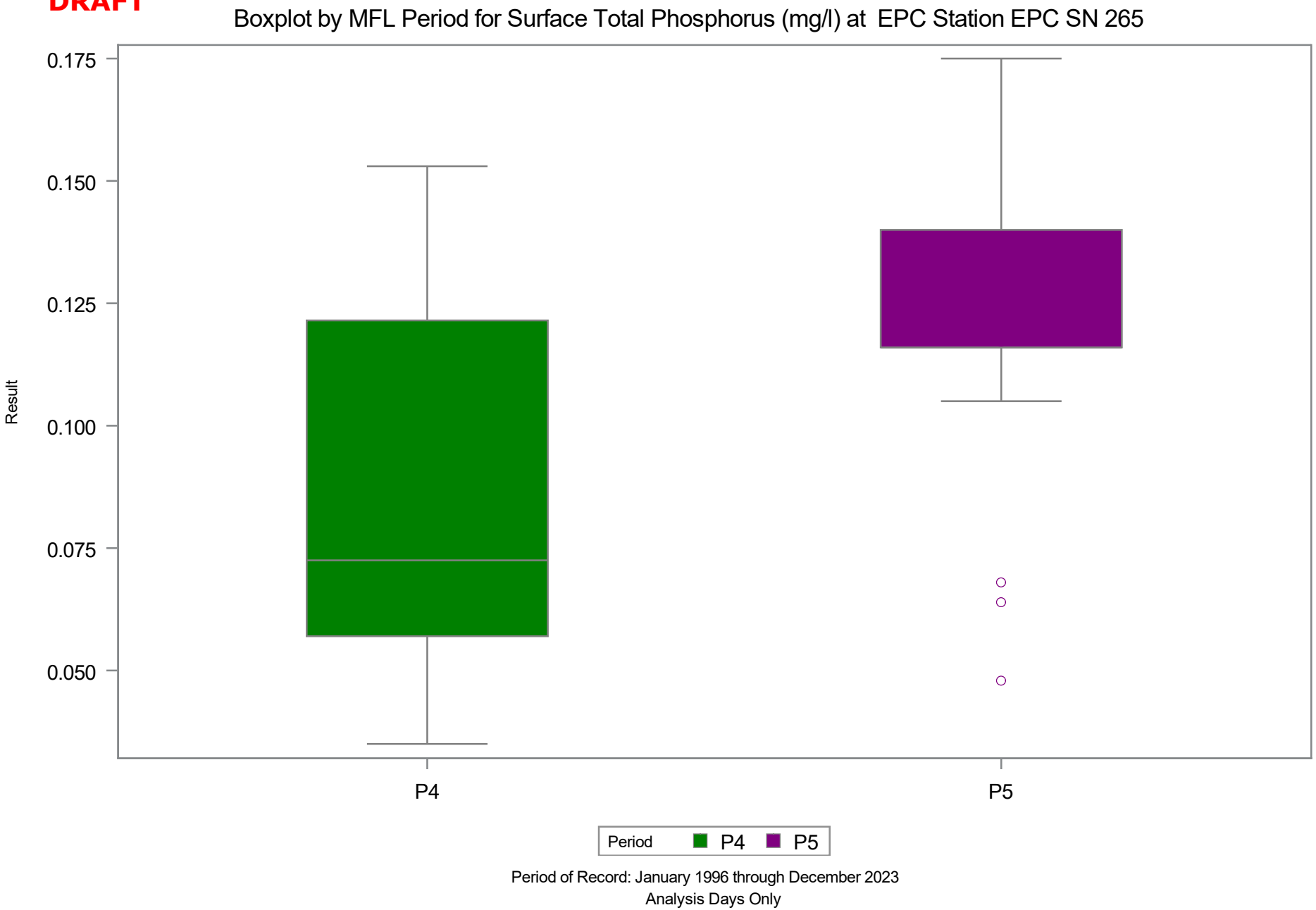
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 265**

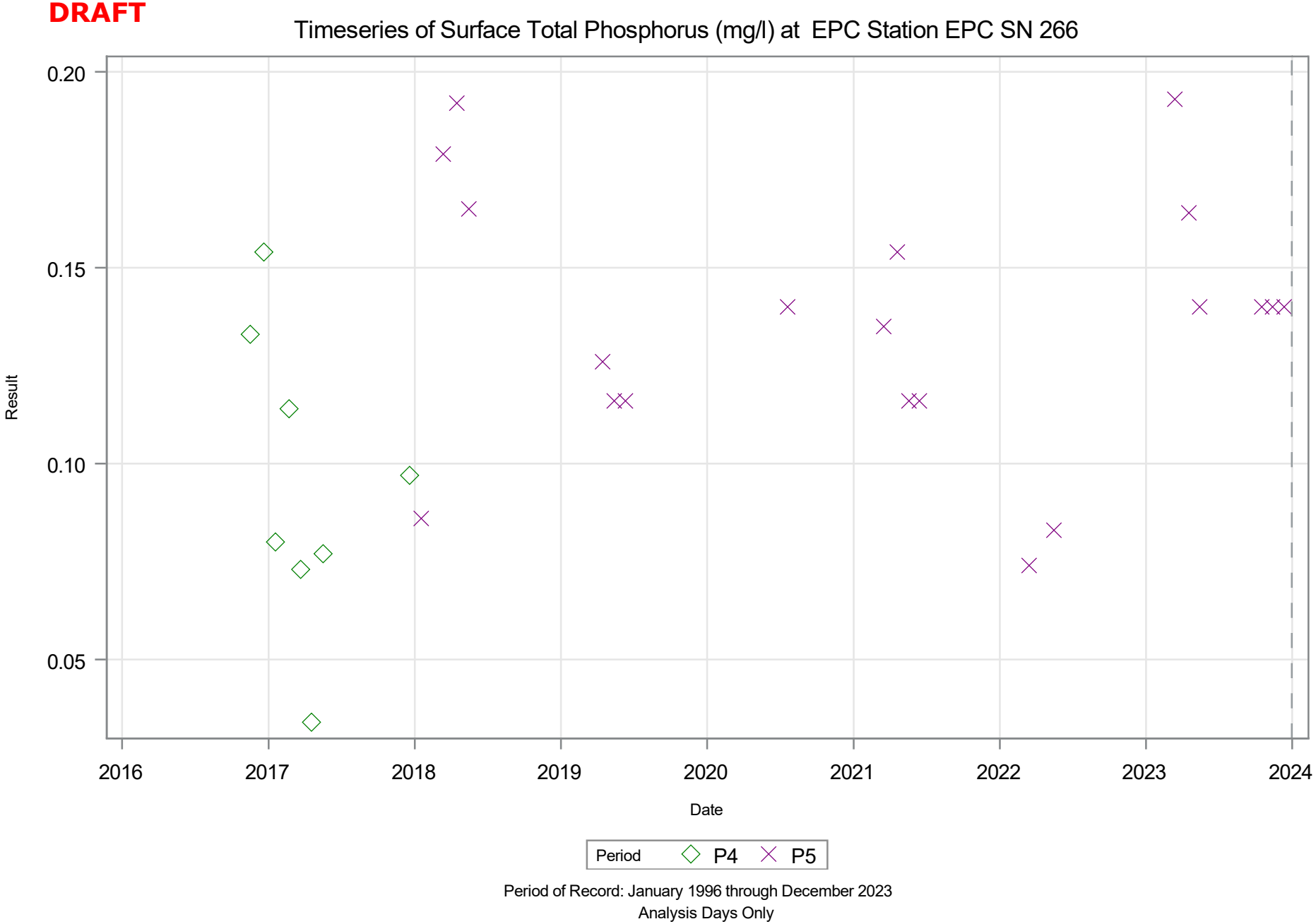
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.04	0.06	0.09	0.07	0.12	0.15
P5	20	0.05	0.12	0.12	0.12	0.14	0.18

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 265
Result
0.175
0.150
0.125
0.100
0.075
0.050
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

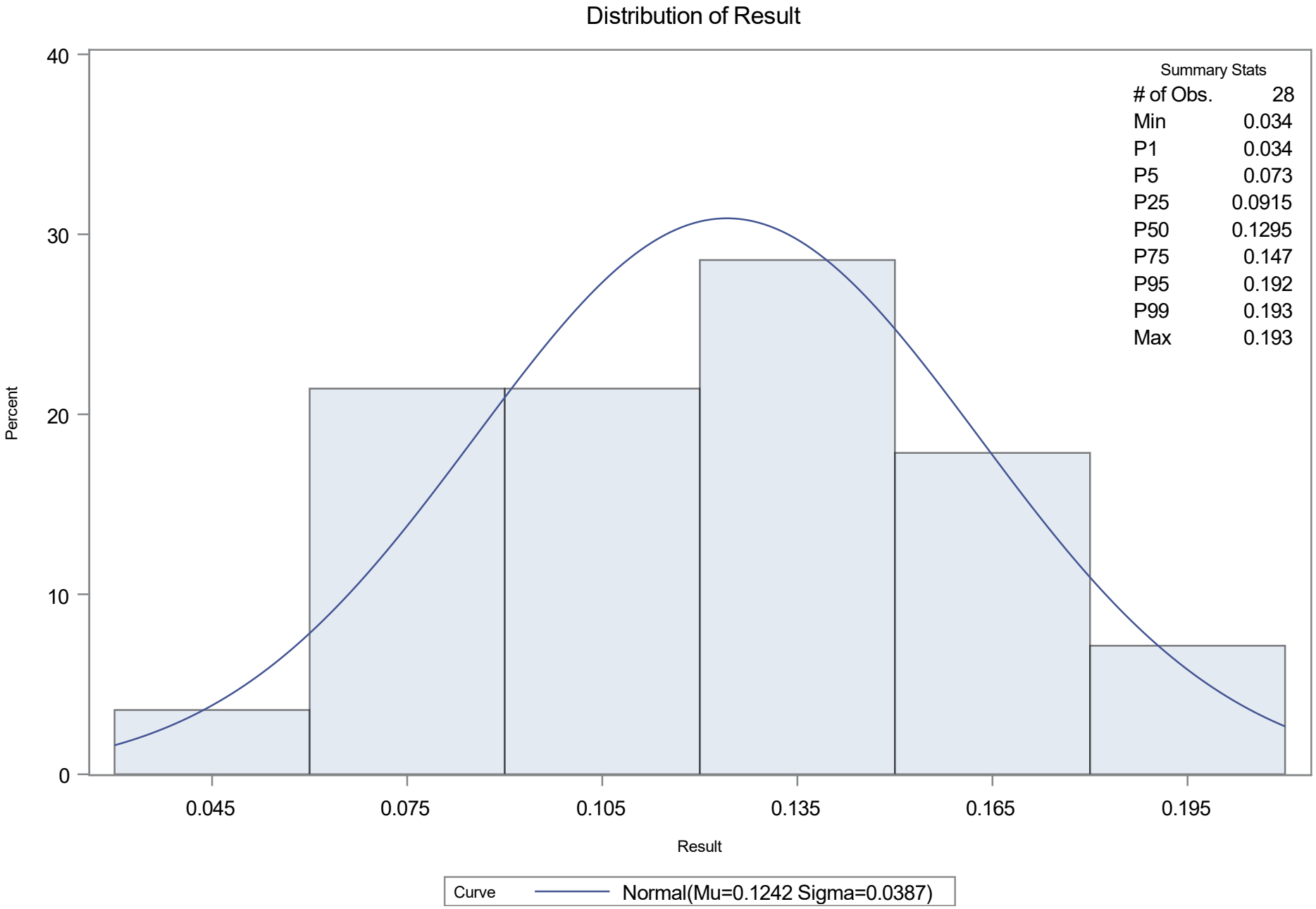
DRAFT



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 266



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 266

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.124179
Std Dev	Sigma	0.038745

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11067451	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.05599535	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.32734453	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.03400	0.03404
5.0	0.07300	0.06045
10.0	0.07400	0.07452
25.0	0.09150	0.09805
50.0	0.12950	0.12418
75.0	0.14700	0.15031
90.0	0.17900	0.17383
95.0	0.19200	0.18791
99.0	0.19300	0.21431

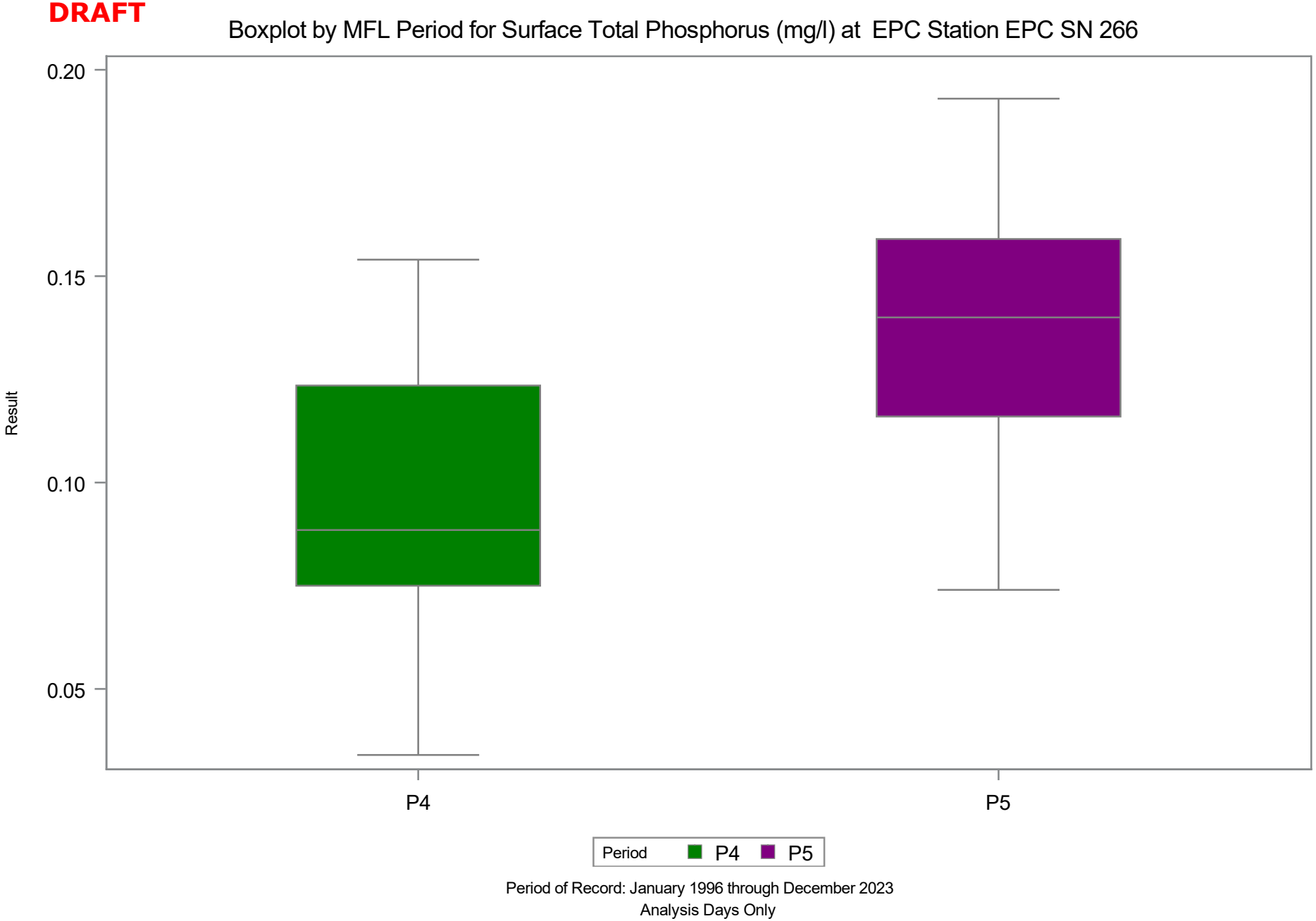
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 266**

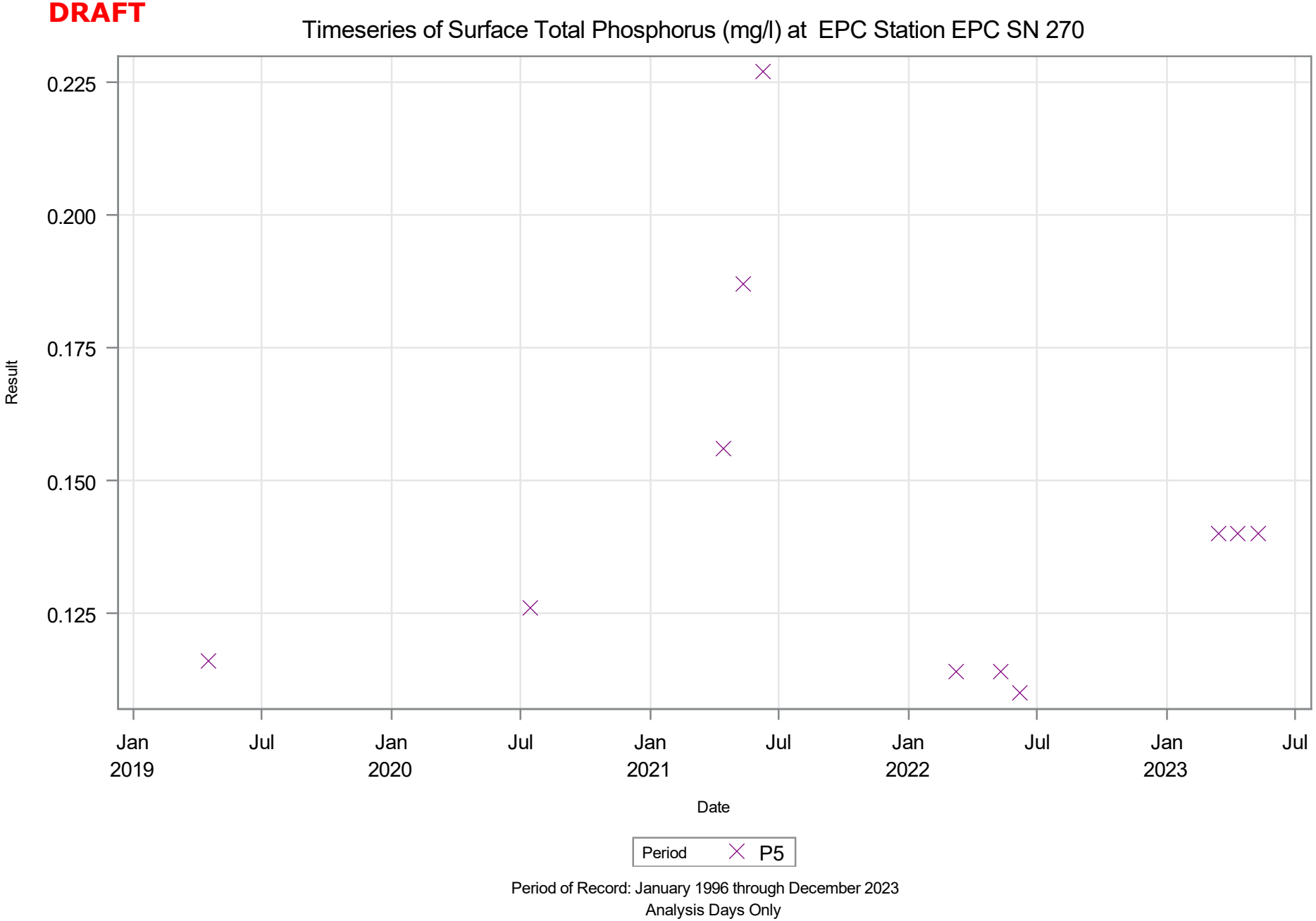
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	8	0.03	0.08	0.10	0.09	0.12	0.15
P5	20	0.07	0.12	0.14	0.14	0.16	0.19

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

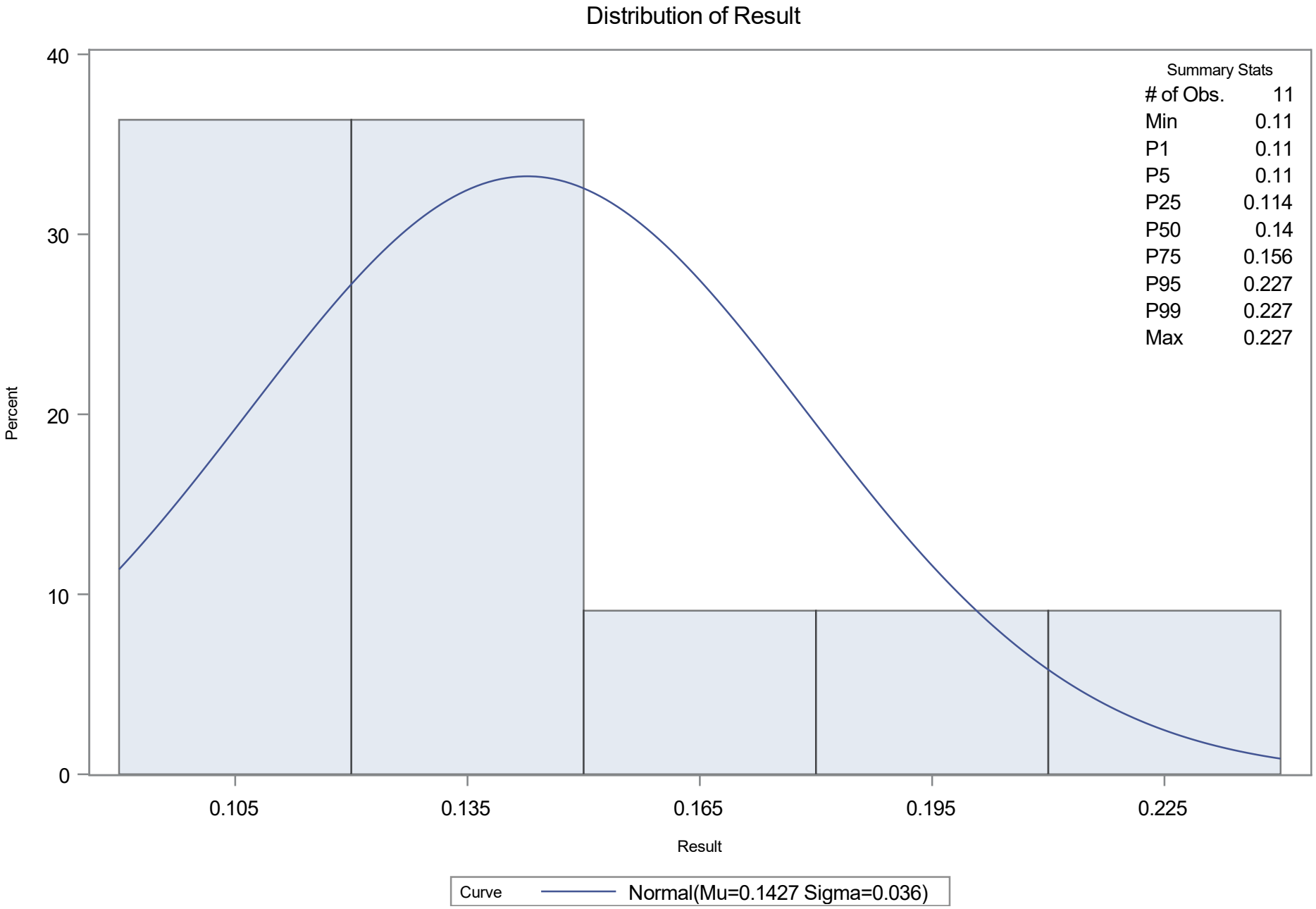

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 266
Result
0.20
0.15
0.10
0.05
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 270
Result
0.225
0.200
0.175
0.150
0.125
Jan 2019
Jul
Jan 2020
Jul
Jan 2021
Jul
Jan 2022
Jul
Jan 2023
Jul
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 270



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at EPC Station EPC SN 270

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.142727
Std Dev	Sigma	0.036022

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25744795	**Pr > D**	0.041
Cramer-von Mises	**W-Sq**	0.12701461	**Pr > W-Sq**	0.042
Anderson-Darling	**A-Sq**	0.75550322	**Pr > A-Sq**	0.036

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.11000	0.05893
5.0	0.11000	0.08348
10.0	0.11400	0.09656
25.0	0.11400	0.11843
50.0	0.14000	0.14273
75.0	0.15600	0.16702
90.0	0.18700	0.18889
95.0	0.22700	0.20198
99.0	0.22700	0.22653

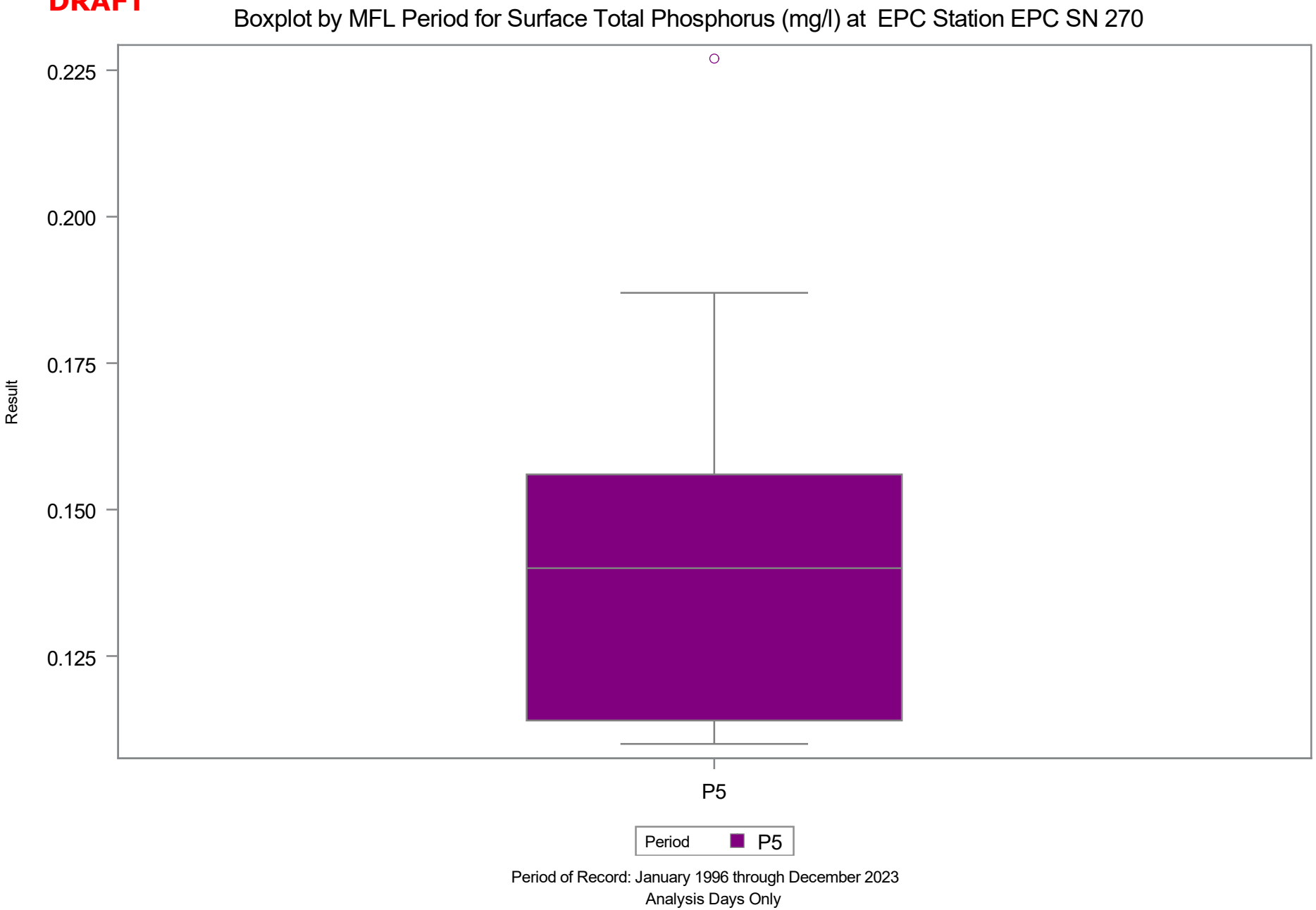
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 270**

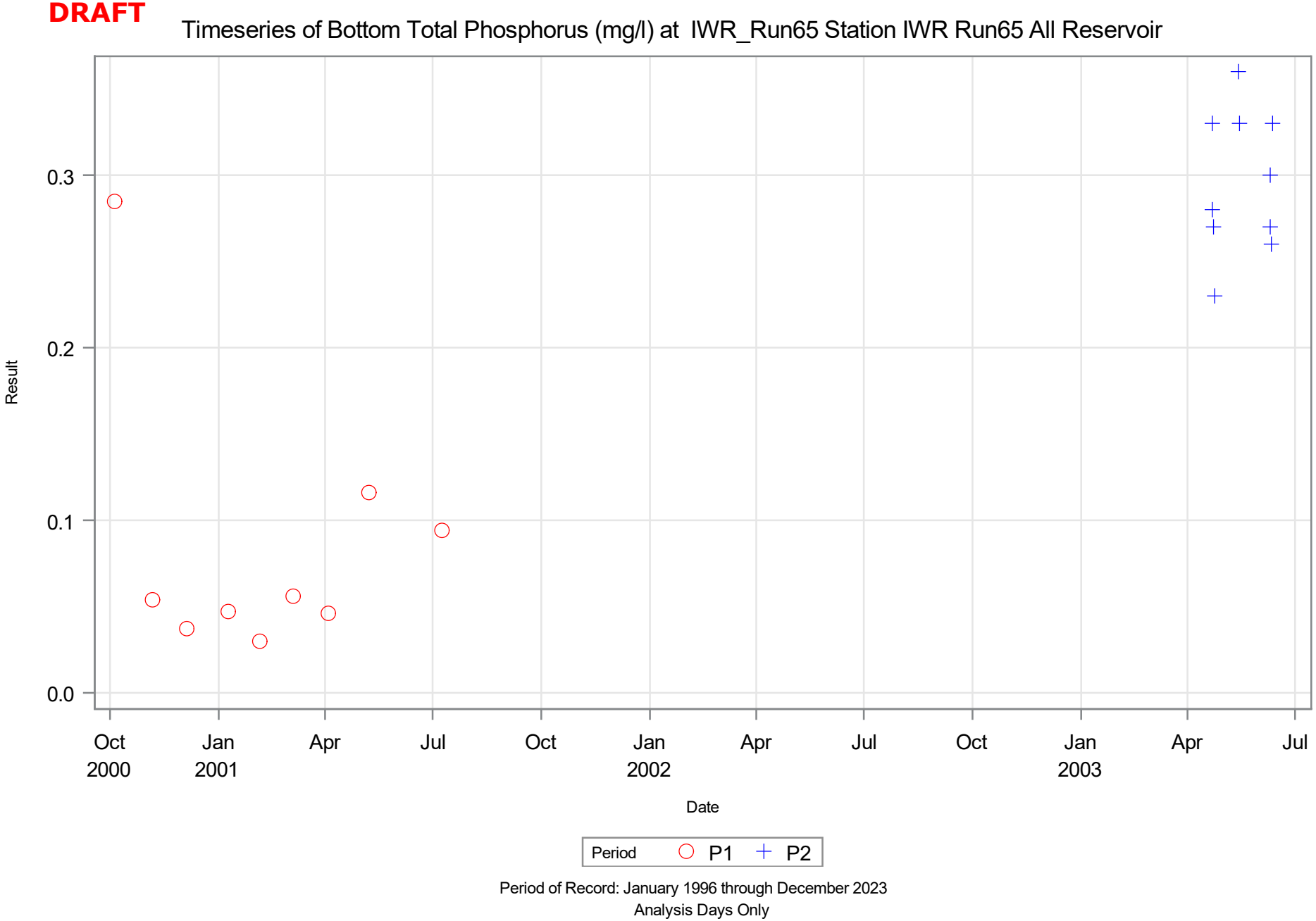
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	11	0.11	0.11	0.14	0.14	0.16	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

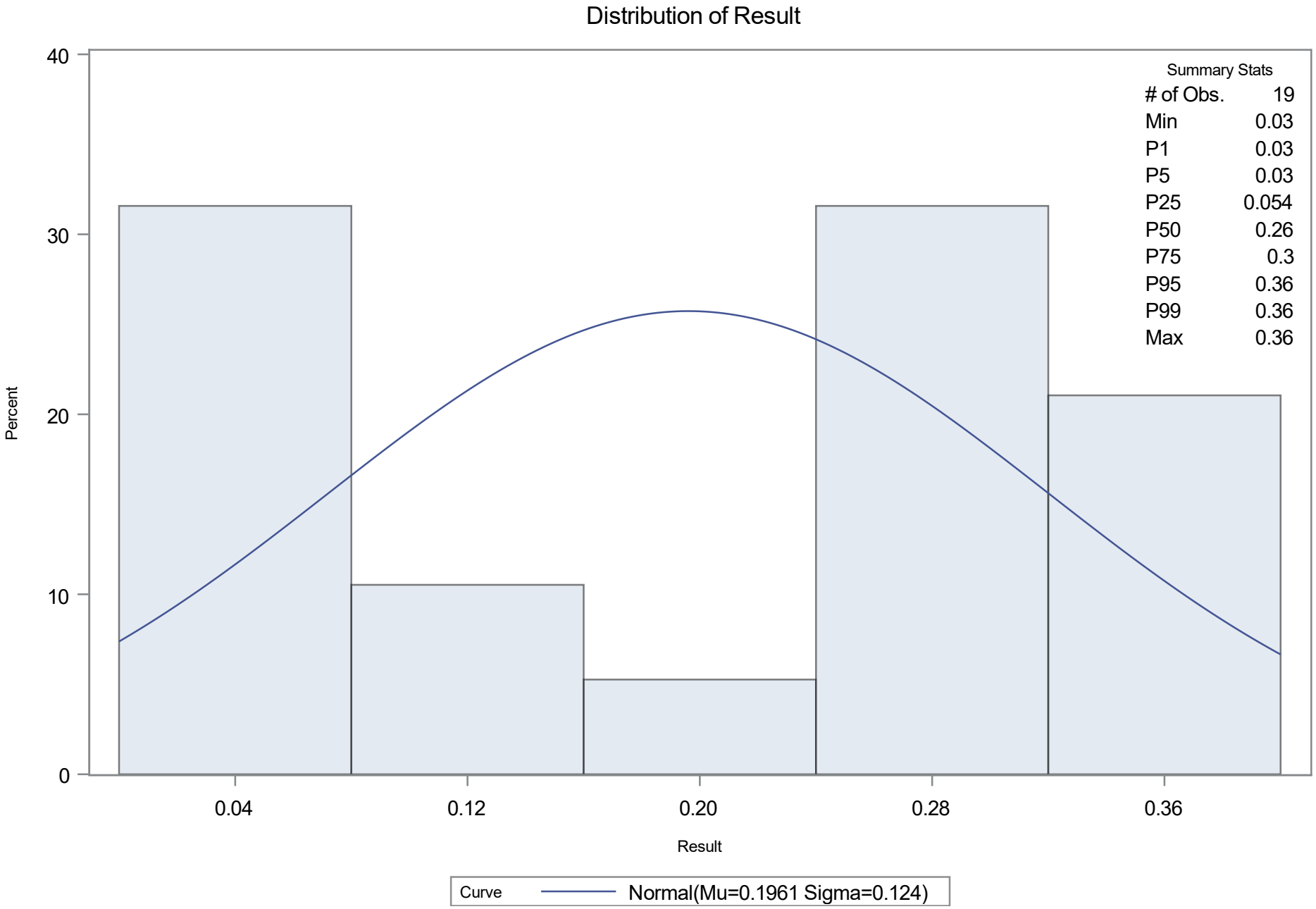

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at EPC Station EPC SN 270
0.225
0.200
0.175
0.150
0.125
Result
P5
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.0
0.1
0.2
0.3
Oct
2000
Jan
2001
Apr
Jul
Oct
Jan
2002
Apr
Jul
Oct
Jan
2003
Apr
Jul
Date
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.196053
Std Dev	Sigma	0.124022

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.22325322	**Pr > D**	0.014
Cramer-von Mises	**W-Sq**	0.22025772	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1.28333185	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.03000	-0.09247
5.0	0.03000	-0.00795
10.0	0.03700	0.03711
25.0	0.05400	0.11240
50.0	0.26000	0.19605
75.0	0.30000	0.27970
90.0	0.33000	0.35499
95.0	0.36000	0.40005
99.0	0.36000	0.48457

Period of Record: January 1996 through December 2023
Analysis Days Only

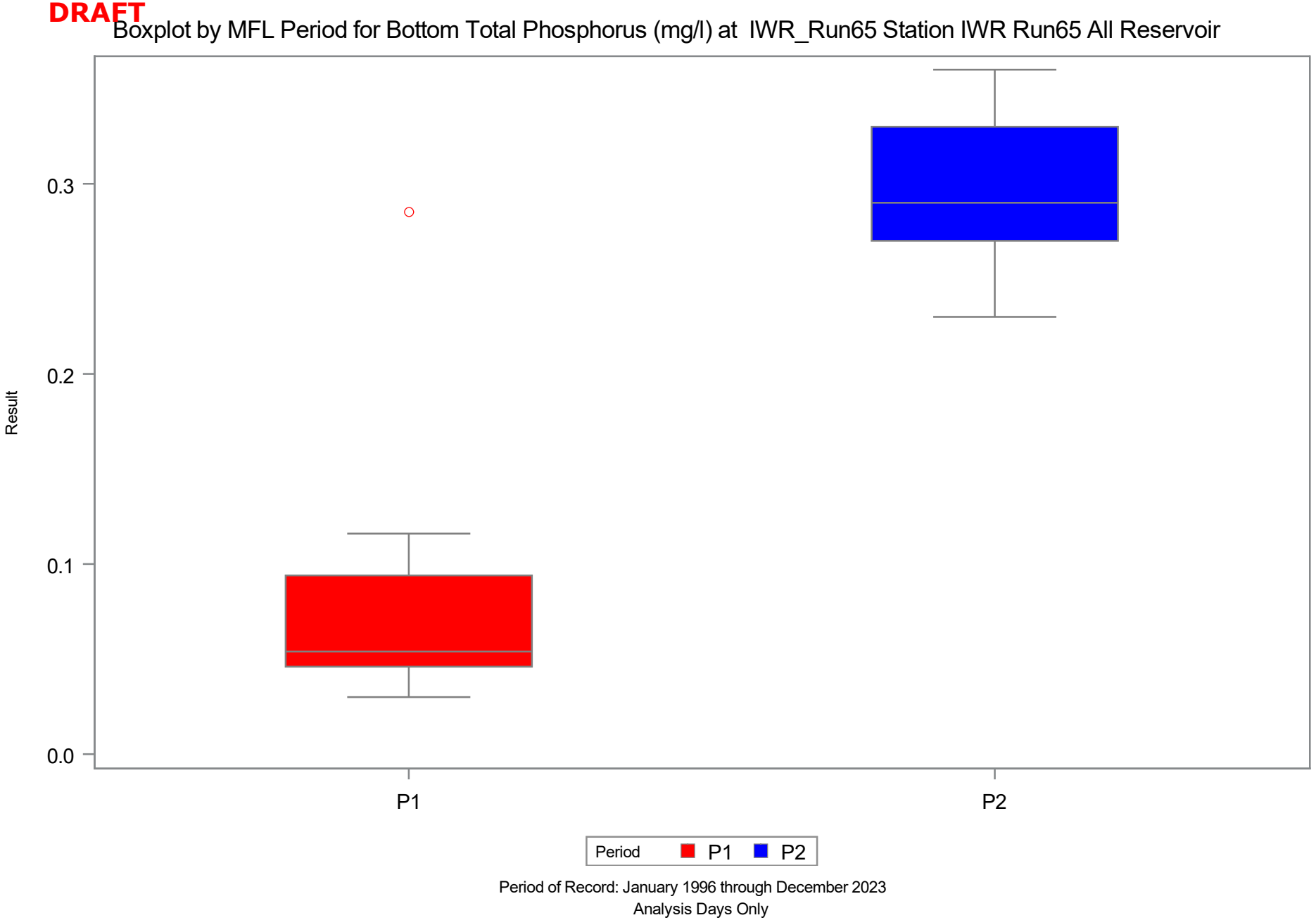
DRAFT

Distributional Statistics by Period for Bottom Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

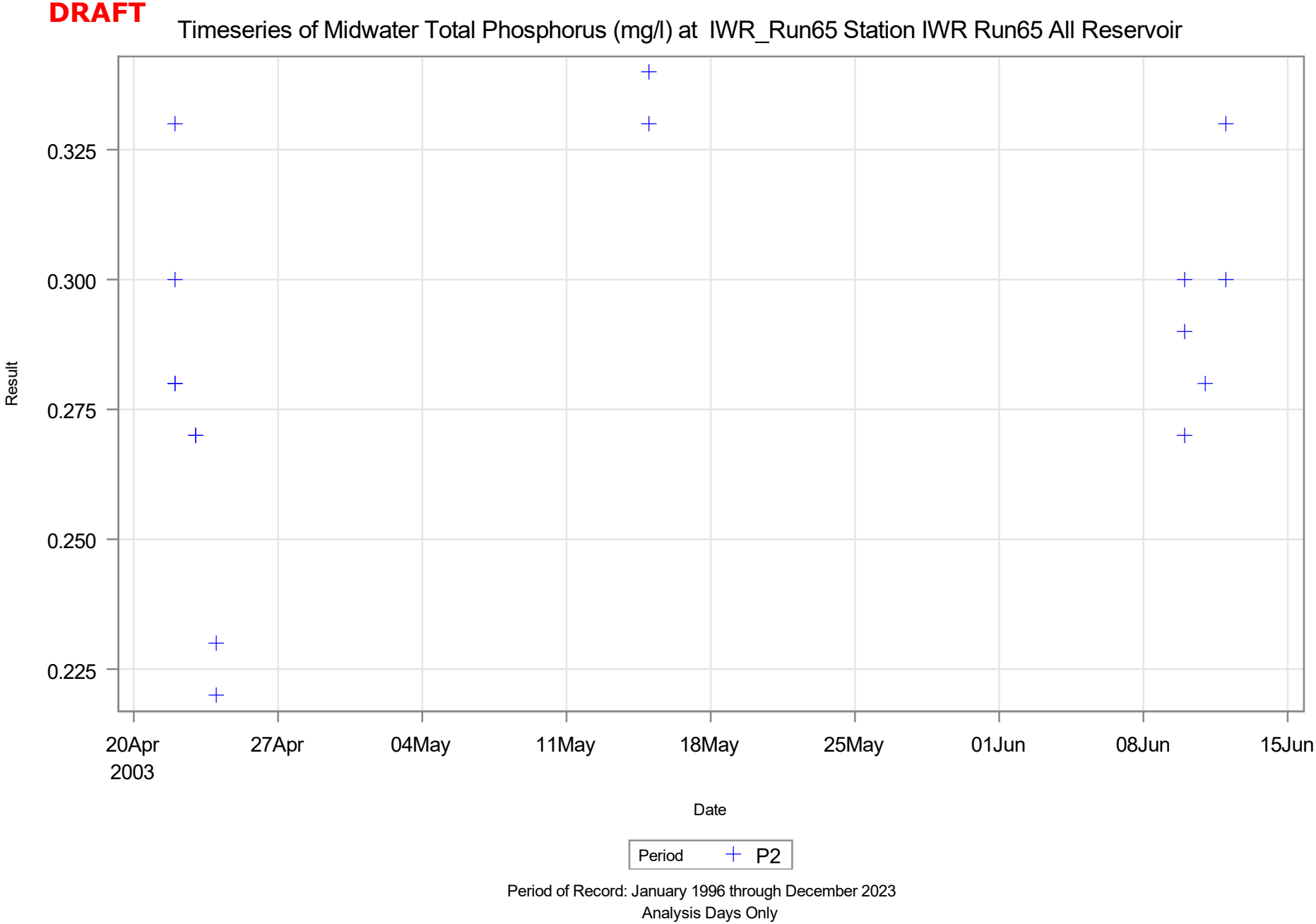
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	9	0.03	0.05	0.09	0.05	0.09	0.29
P2	10	0.23	0.27	0.30	0.29	0.33	0.36

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

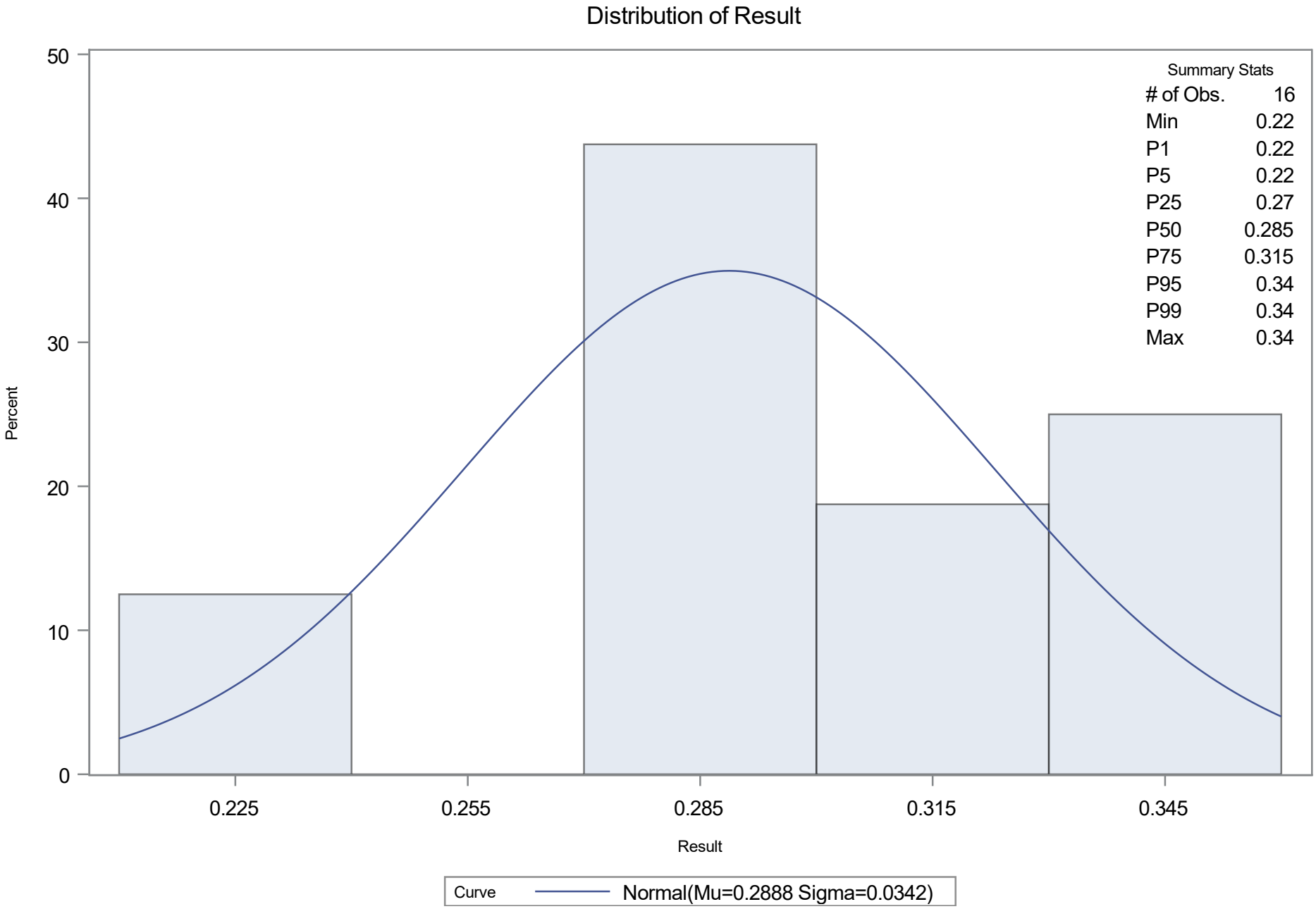

Boxplot by MFL Period for Bottom Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.0
0.1
0.2
0.3
P1
P2
Period
P1
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Midwater Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.325
0.300
0.275
0.250
0.225
20Apr
2003
27Apr
04May
11May
18May
25May
01Jun
08Jun
15Jun
Date
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Midwater Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.28875
Std Dev	Sigma	0.03423

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16692449	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06448899	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.44463856	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.22000	0.20912
5.0	0.22000	0.23245
10.0	0.23000	0.24488
25.0	0.27000	0.26566
50.0	0.28500	0.28875
75.0	0.31500	0.31184
90.0	0.33000	0.33262
95.0	0.34000	0.34505
99.0	0.34000	0.36838

Period of Record: January 1996 through December 2023
Analysis Days Only

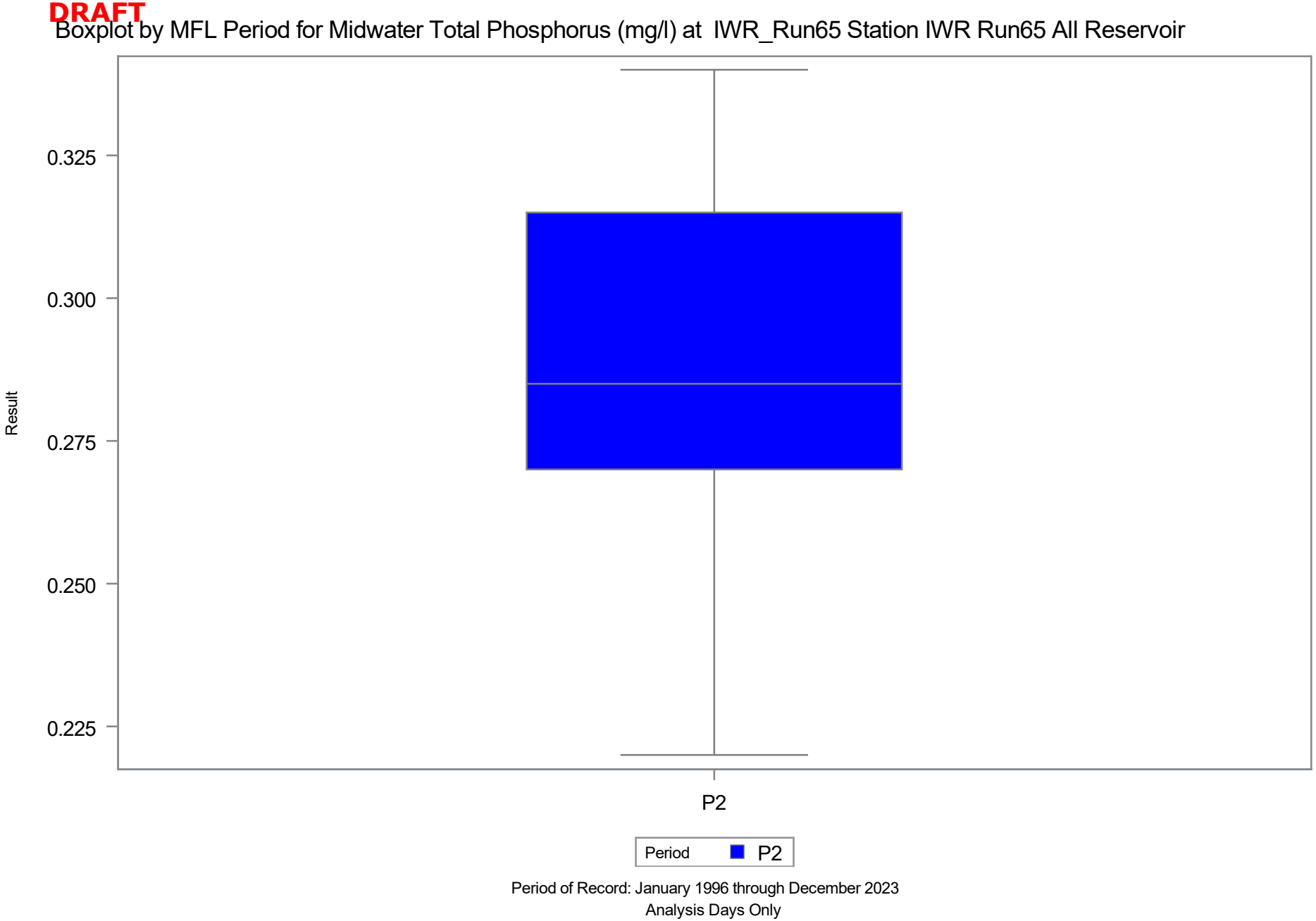
DRAFT

Distributional Statistics by Period for Midwater Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

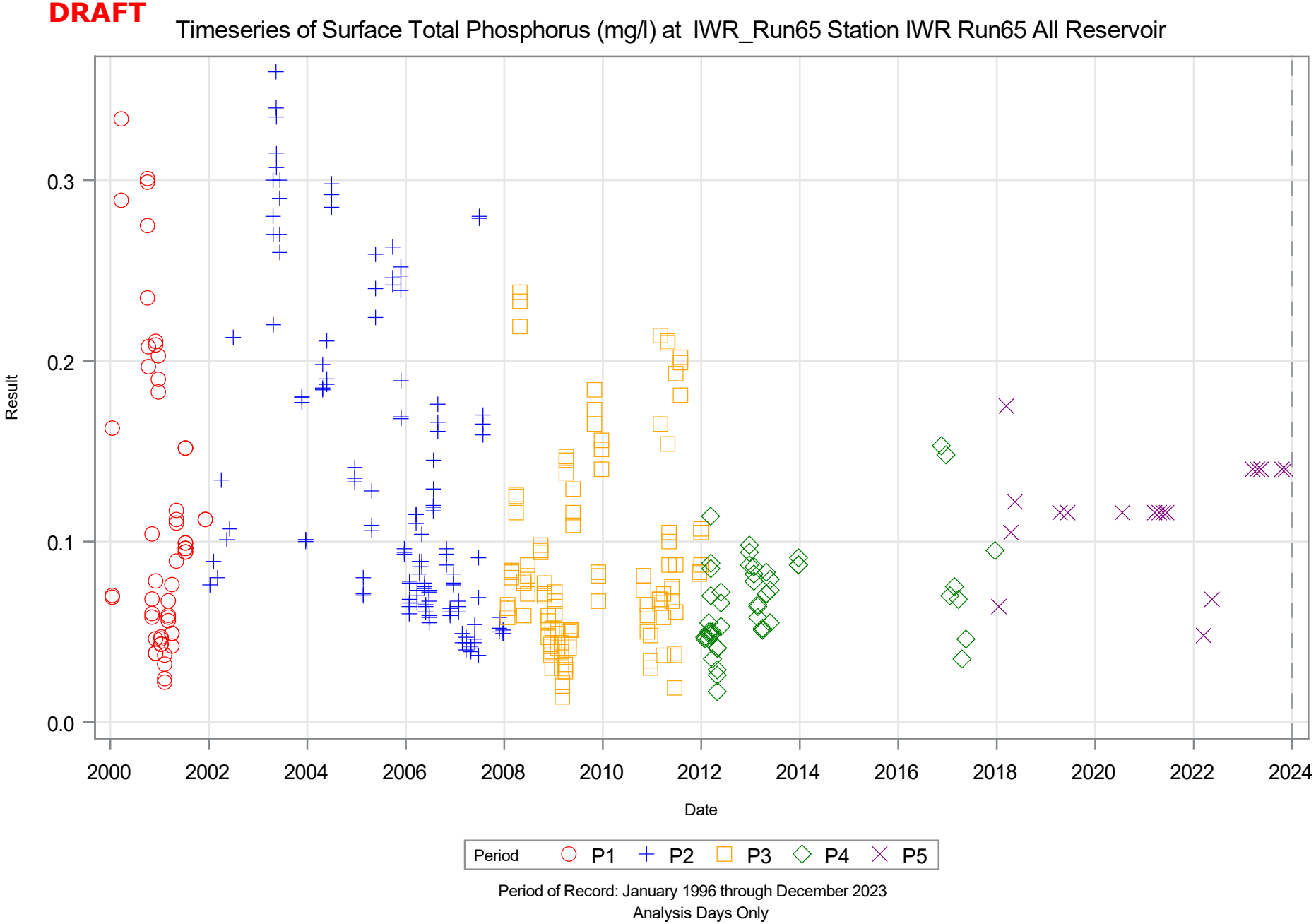
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	16	0.22	0.27	0.29	0.29	0.32	0.34

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

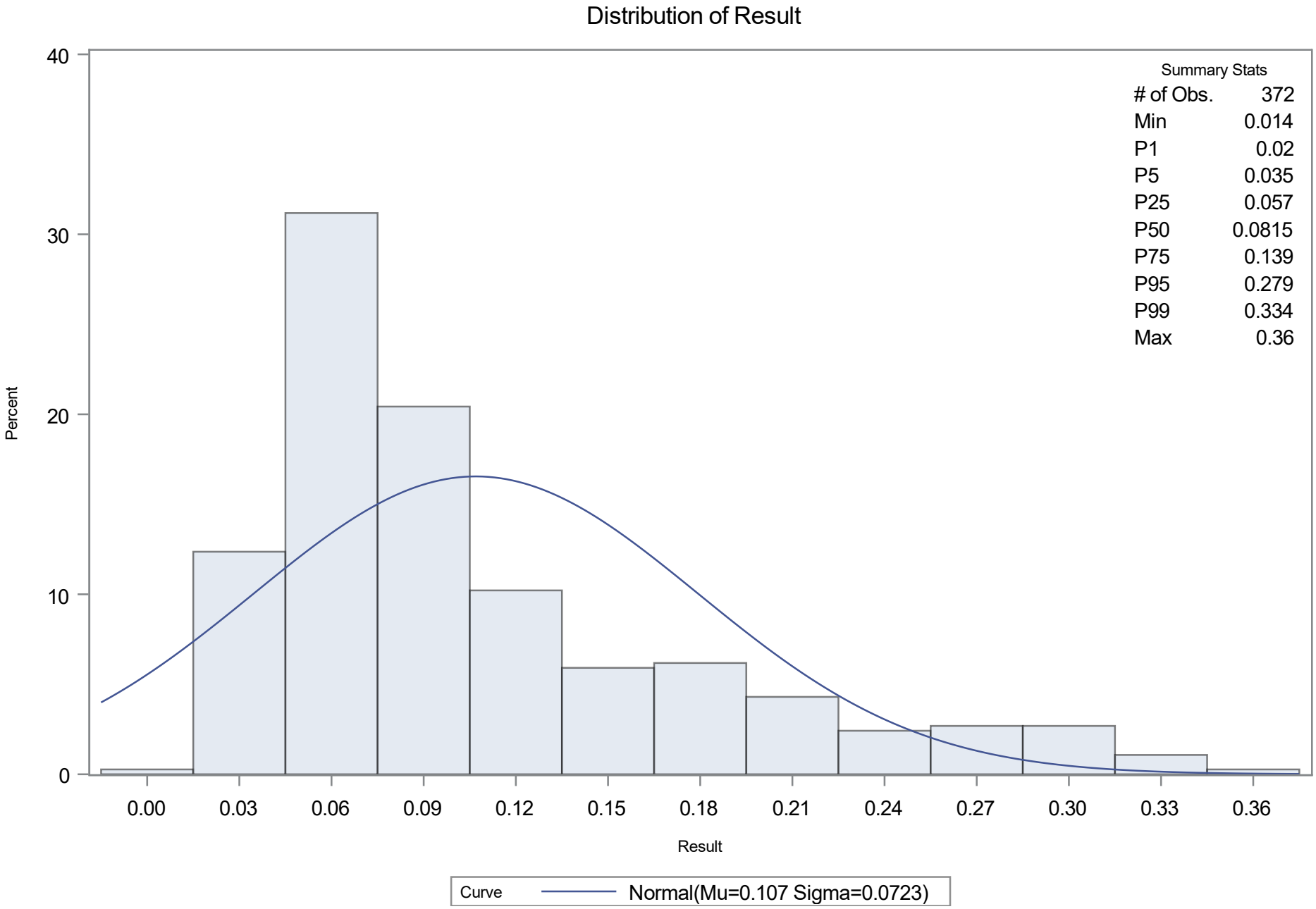

Boxplot by MFL Period for Midwater Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.325
0.300
0.275
0.250
0.225
P2
Period
P2
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.0
0.1
0.2
0.3
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.106976
Std Dev	Sigma	0.072318

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1732199	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	3.4595414	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	19.4564262	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.02000	-0.06126
5.0	0.03500	-0.01198
10.0	0.04200	0.01430
25.0	0.05700	0.05820
50.0	0.08150	0.10698
75.0	0.13900	0.15575
90.0	0.21400	0.19965
95.0	0.27900	0.22593
99.0	0.33400	0.27521

Period of Record: January 1996 through December 2023
Analysis Days Only

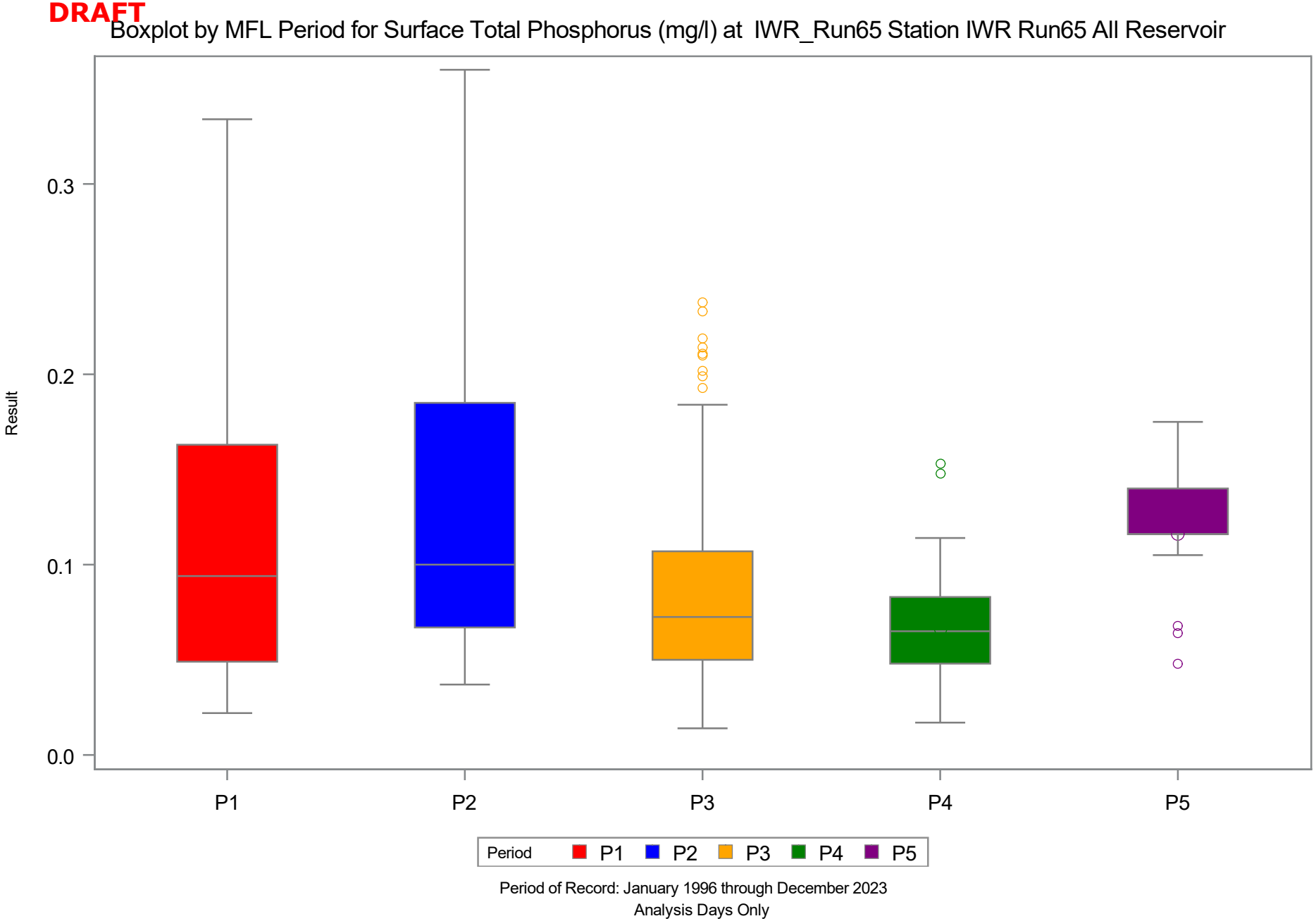
DRAFT

Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir

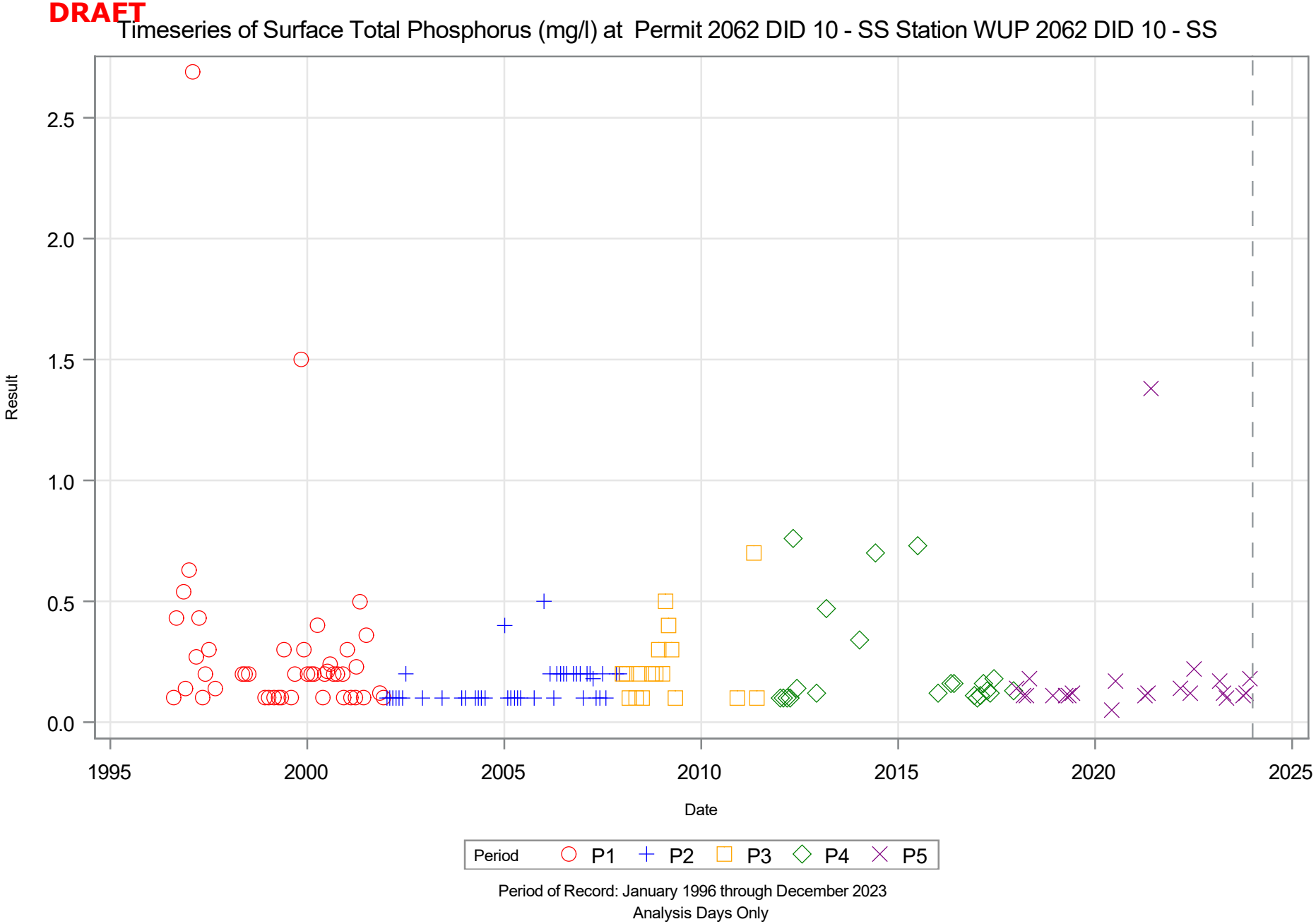
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	54	0.02	0.05	0.12	0.09	0.16	0.33
P2	137	0.04	0.07	0.13	0.10	0.19	0.36
P3	110	0.01	0.05	0.09	0.07	0.11	0.24
P4	53	0.02	0.05	0.07	0.07	0.08	0.15
P5	18	0.05	0.12	0.12	0.12	0.14	0.18

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

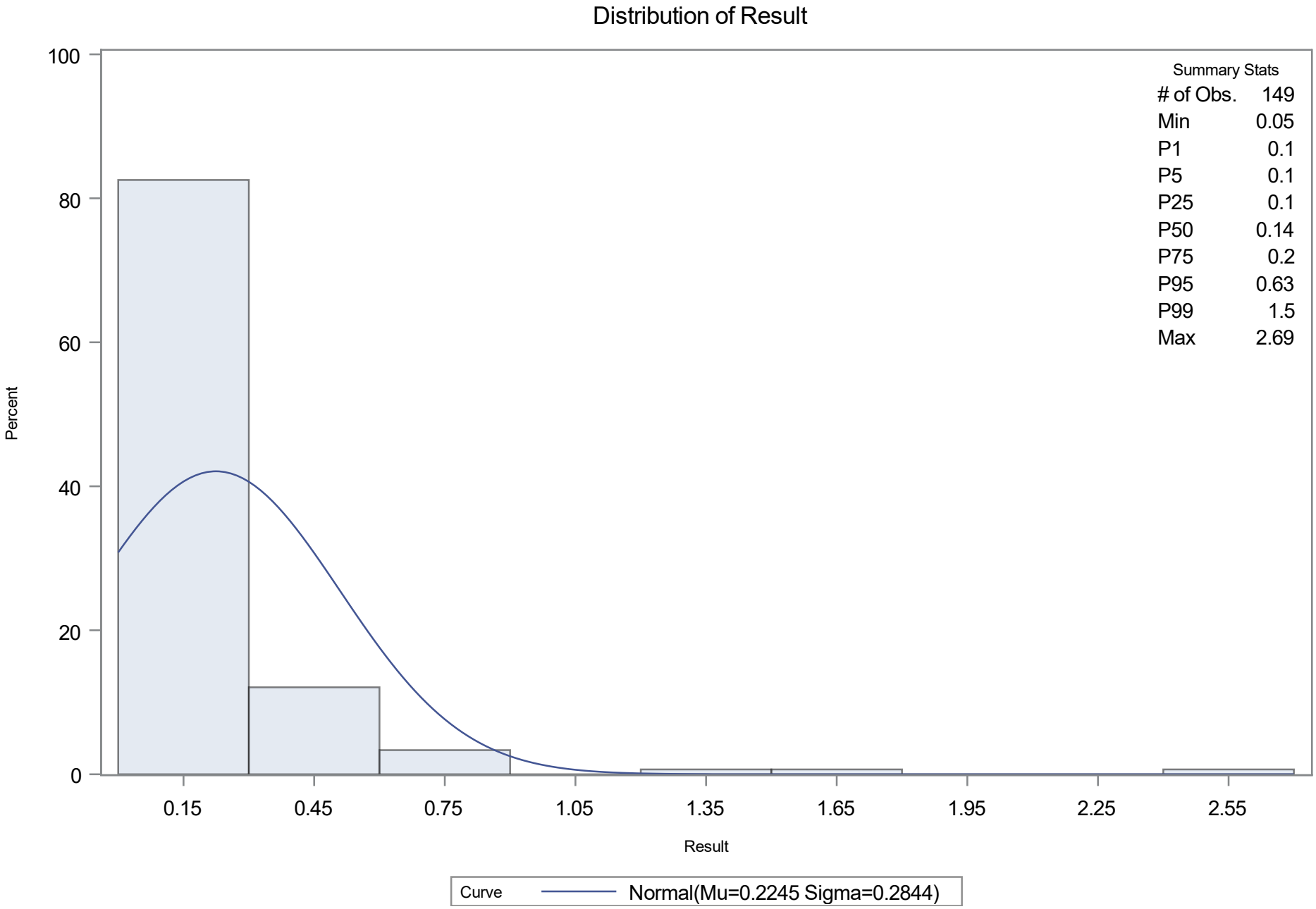

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at IWR_Run65 Station IWR Run65 All Reservoir
Result
0.0
0.1
0.2
0.3
P1
P2
P3
P4
P5
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS
Result
2.5
2.0
1.5
1.0
0.5
0.0
1995
2000
2005
2010
2015
2020
2025
Date
Period
P1
P2
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.224497
Std Dev	Sigma	0.284378

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3262692	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.7521433	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	24.1524749	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10000	-0.43707
5.0	0.10000	-0.24326
10.0	0.10000	-0.13995
25.0	0.10000	0.03269
50.0	0.14000	0.22450
75.0	0.20000	0.41631
90.0	0.43000	0.58894
95.0	0.63000	0.69226
99.0	1.50000	0.88606

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

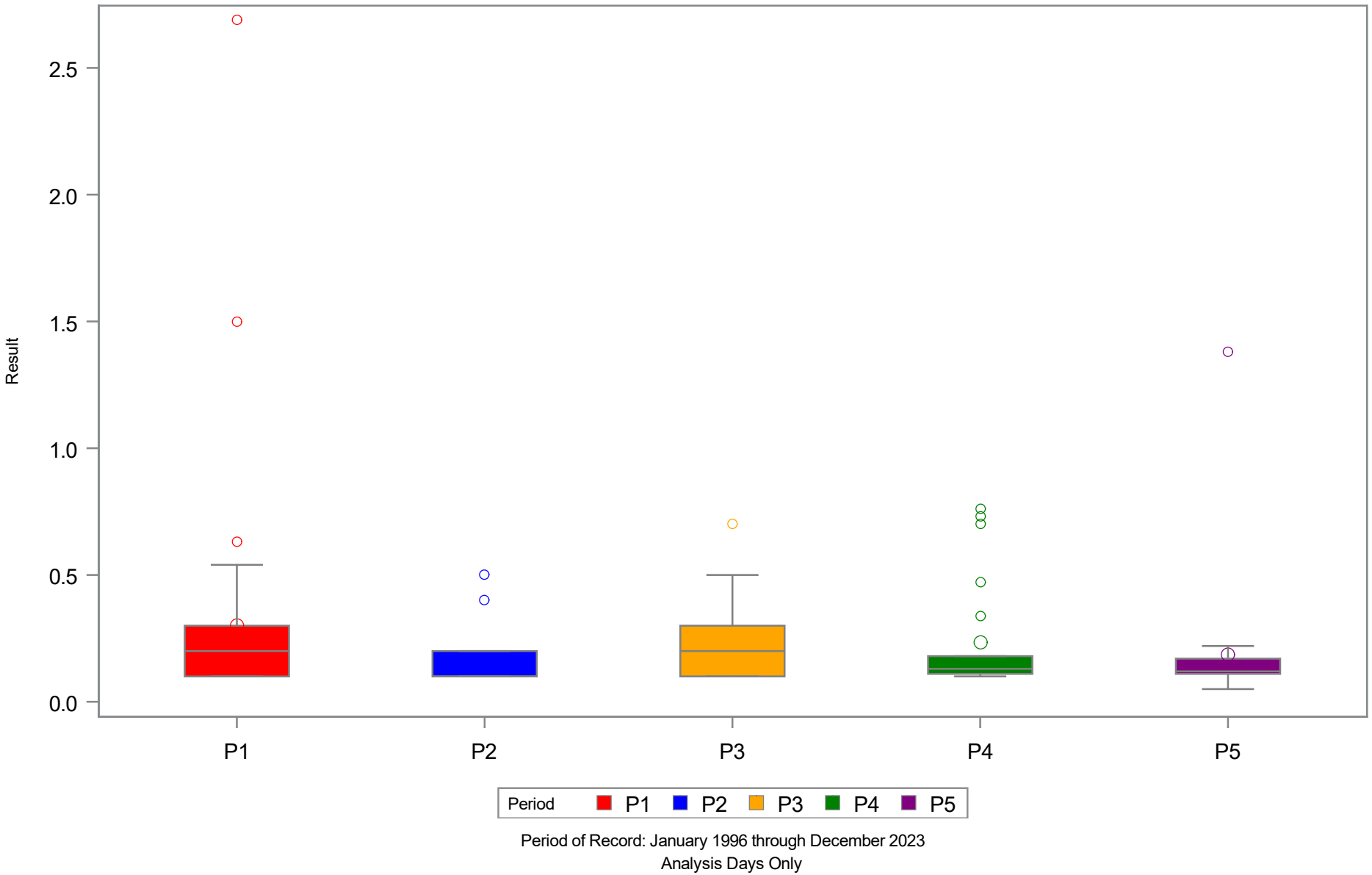
Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.10	0.10	0.30	0.20	0.30	2.69
P2	42	0.10	0.10	0.15	0.10	0.20	0.50
P3	17	0.10	0.10	0.24	0.20	0.30	0.70
P4	22	0.10	0.11	0.23	0.13	0.18	0.76
P5	22	0.05	0.11	0.19	0.12	0.17	1.38

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

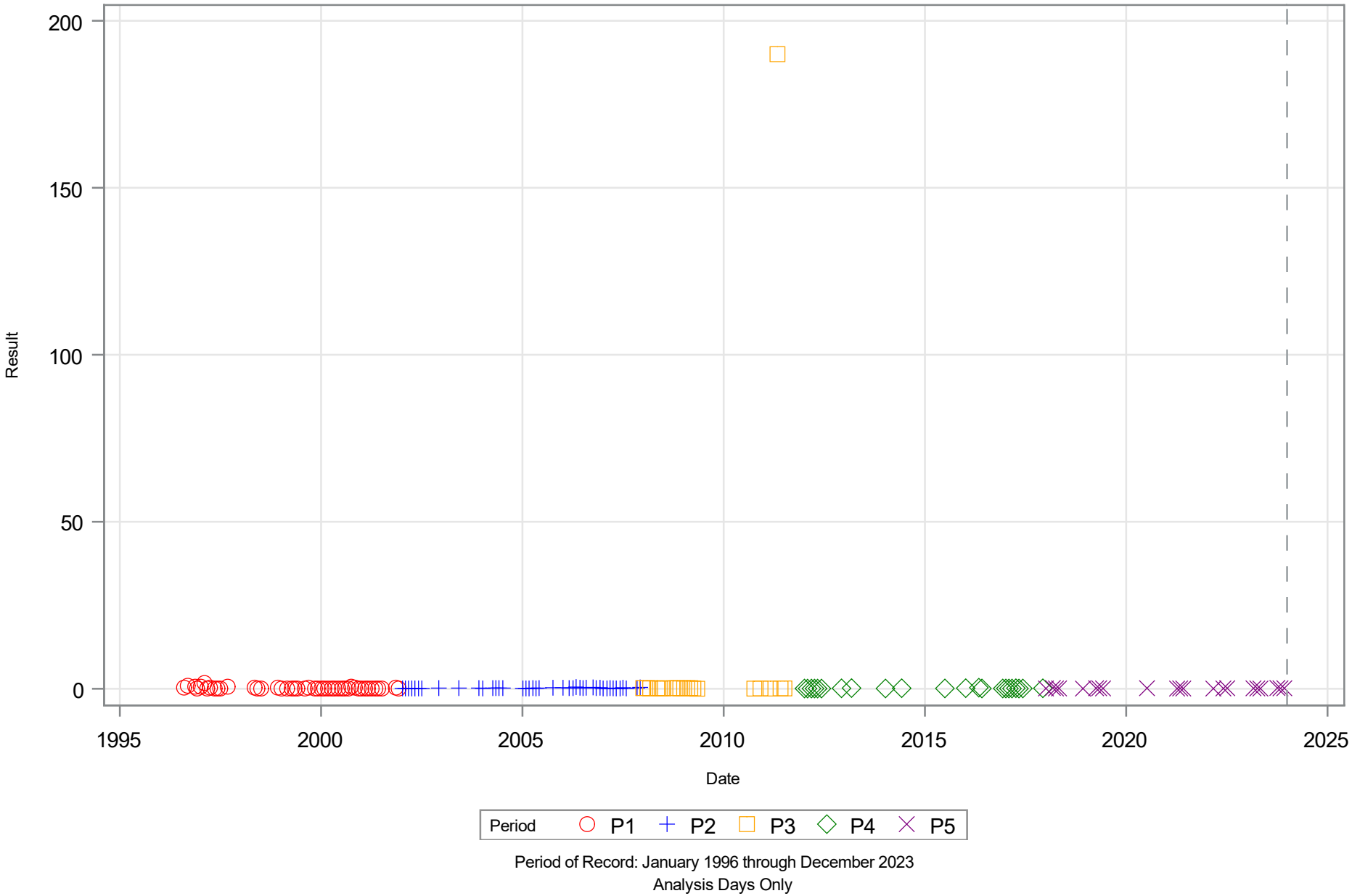
Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at Permit 2062 DID 10 - SS Station WUP 2062 DID 10 - SS



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

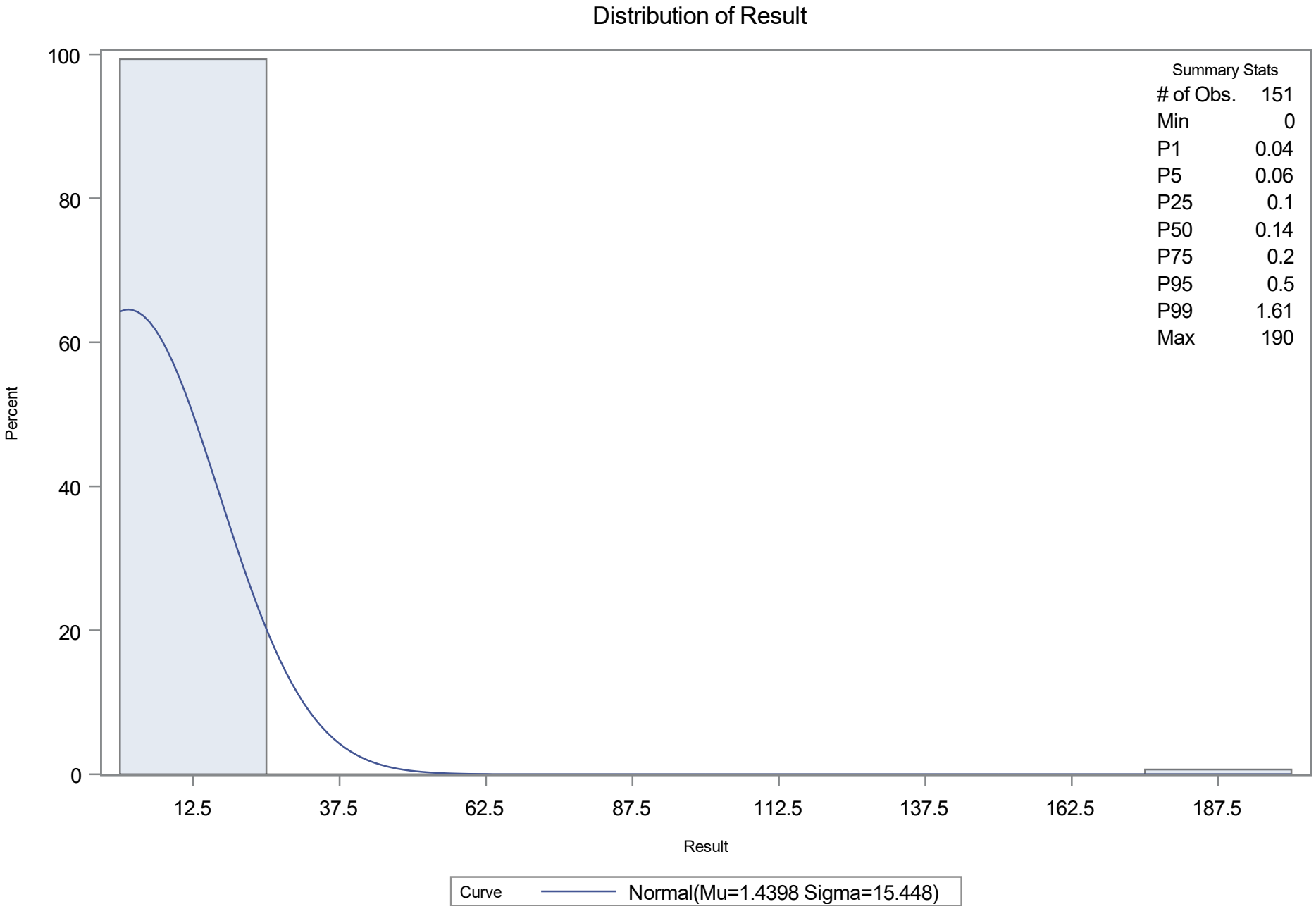
Timeseries of Surface Total Phosphorus (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.439801
Std Dev	Sigma	15.44805

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.5024989	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	12.2069447	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	56.9390185	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.04000	-34.49774
5.0	0.06000	-23.96998
10.0	0.07000	-18.35767
25.0	0.10000	-8.97975
50.0	0.14000	1.43980
75.0	0.20000	11.85935
90.0	0.31000	21.23728
95.0	0.50000	26.84959
99.0	1.61000	37.37734

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

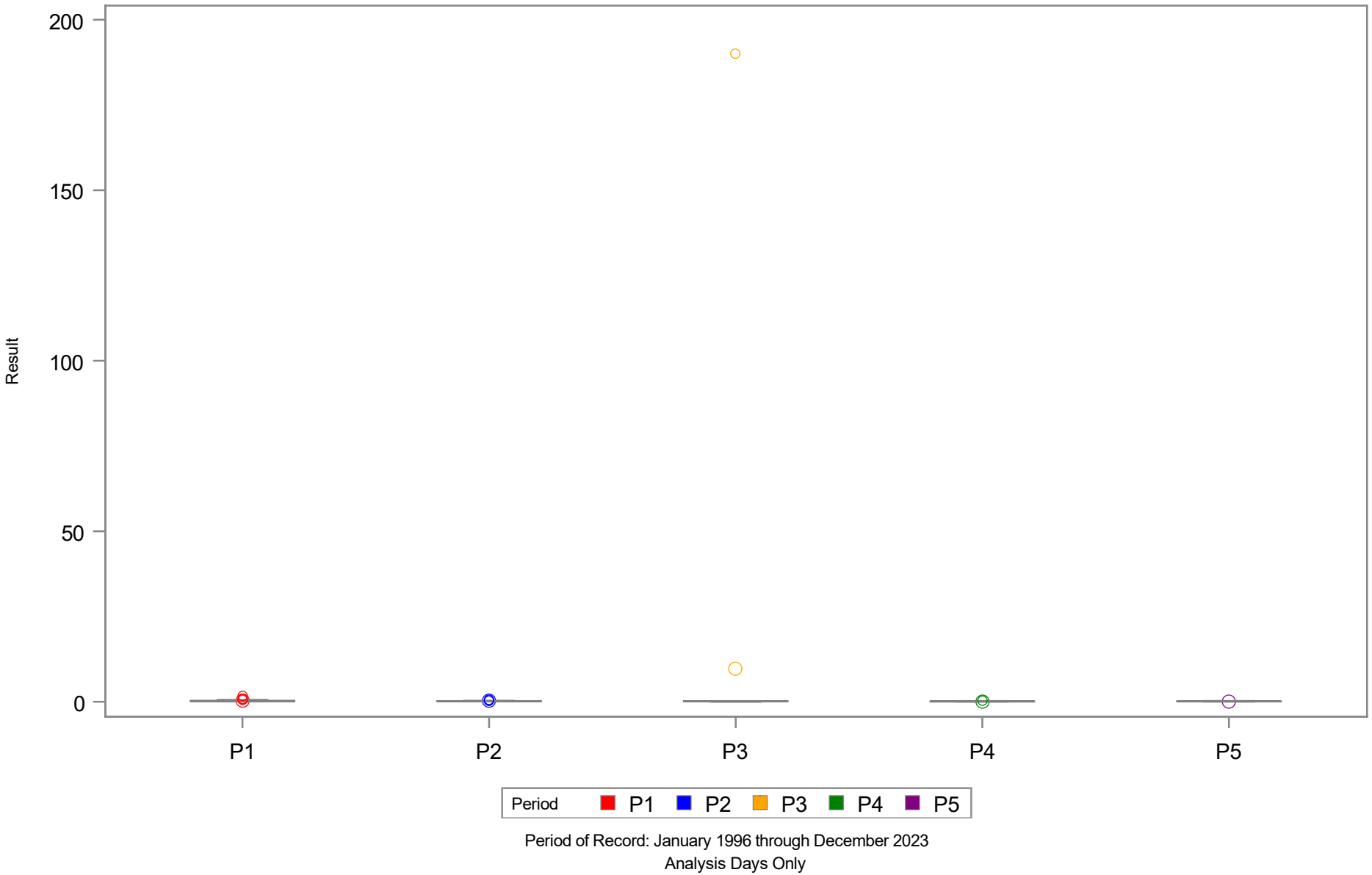
Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.10	0.10	0.27	0.20	0.30	1.61
P2	42	0.10	0.10	0.19	0.20	0.20	0.50
P3	20	0.00	0.10	9.62	0.10	0.20	190.00
P4	22	0.05	0.06	0.11	0.08	0.14	0.32
P5	21	0.05	0.09	0.12	0.10	0.15	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at Permit 2062 DID 11 - HRR Station WUP 2062 DID11 - HRR



Period of Record: January 1996 through December 2023
Analysis Days Only

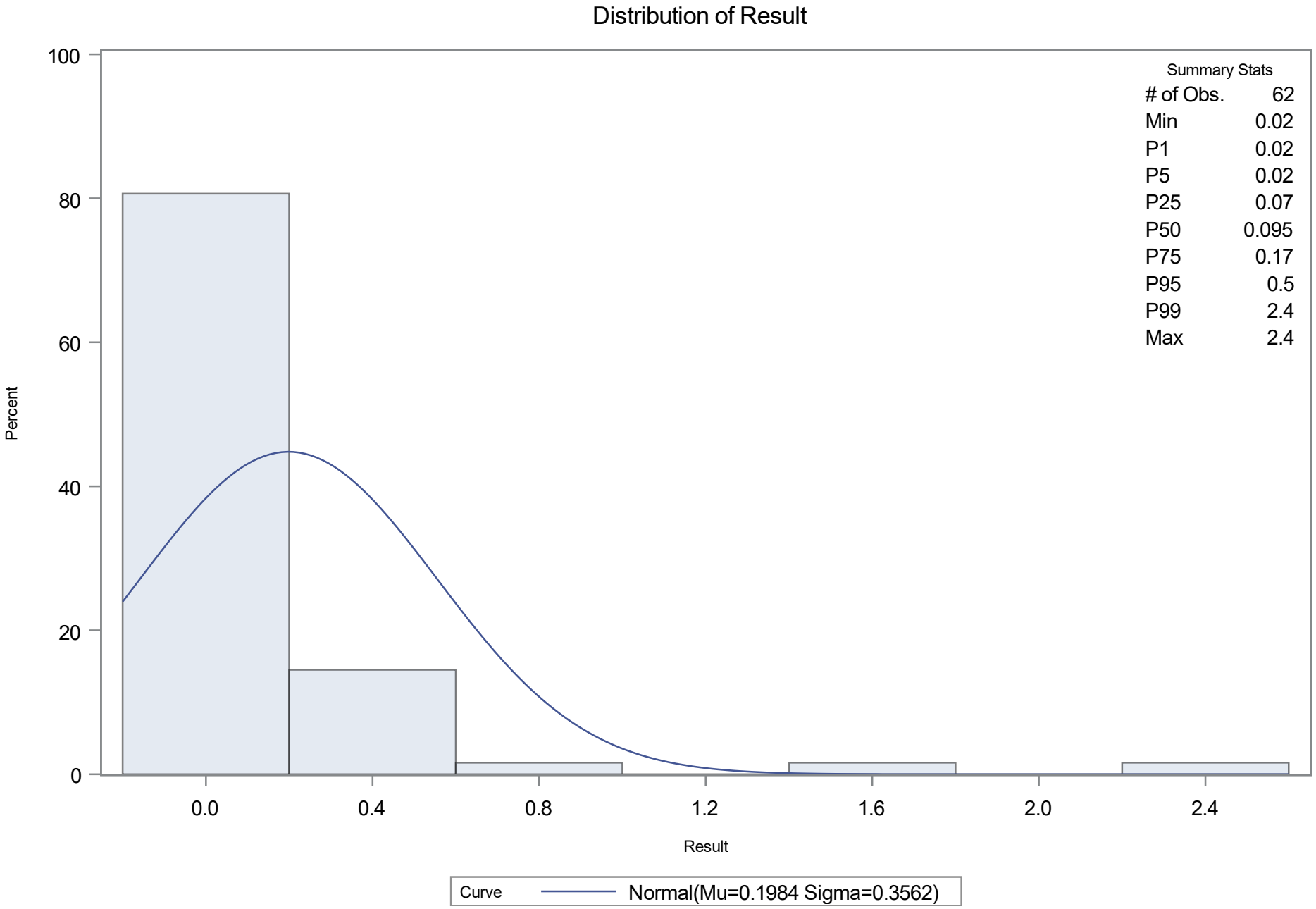
DRAFT

Timeseries of Surface Total Phosphorus (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.198387
Std Dev	Sigma	0.356247

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.3194835	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	2.2101159	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	11.2431572	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.02000	-0.63037
5.0	0.02000	-0.38759
10.0	0.04000	-0.25816
25.0	0.07000	-0.04190
50.0	0.09500	0.19839
75.0	0.17000	0.43867
90.0	0.45000	0.65494
95.0	0.50000	0.78436
99.0	2.40000	1.02714

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

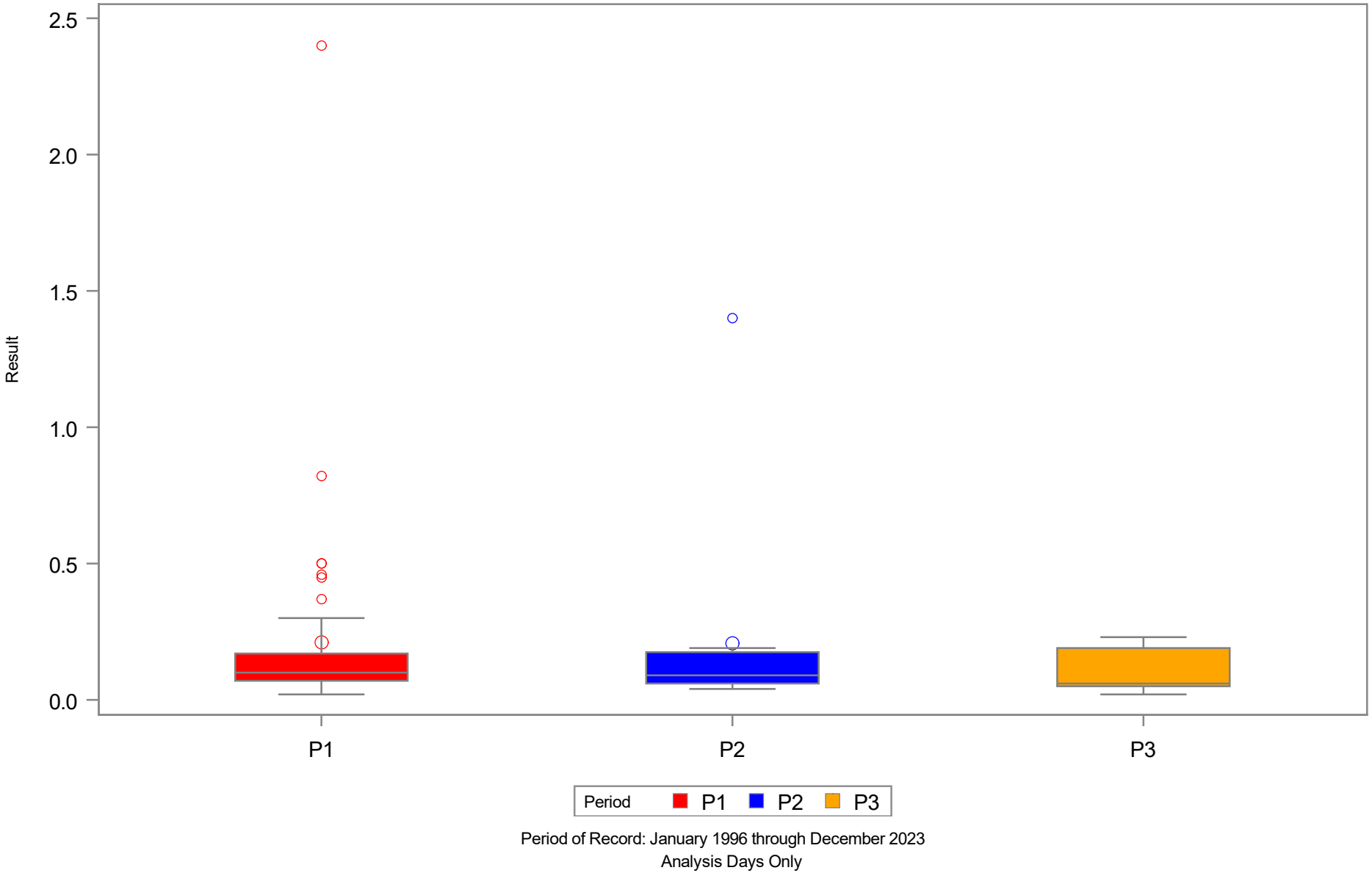
Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.02	0.07	0.21	0.10	0.17	2.40
P2	12	0.04	0.06	0.21	0.09	0.18	1.40
P3	7	0.02	0.05	0.10	0.06	0.19	0.23

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

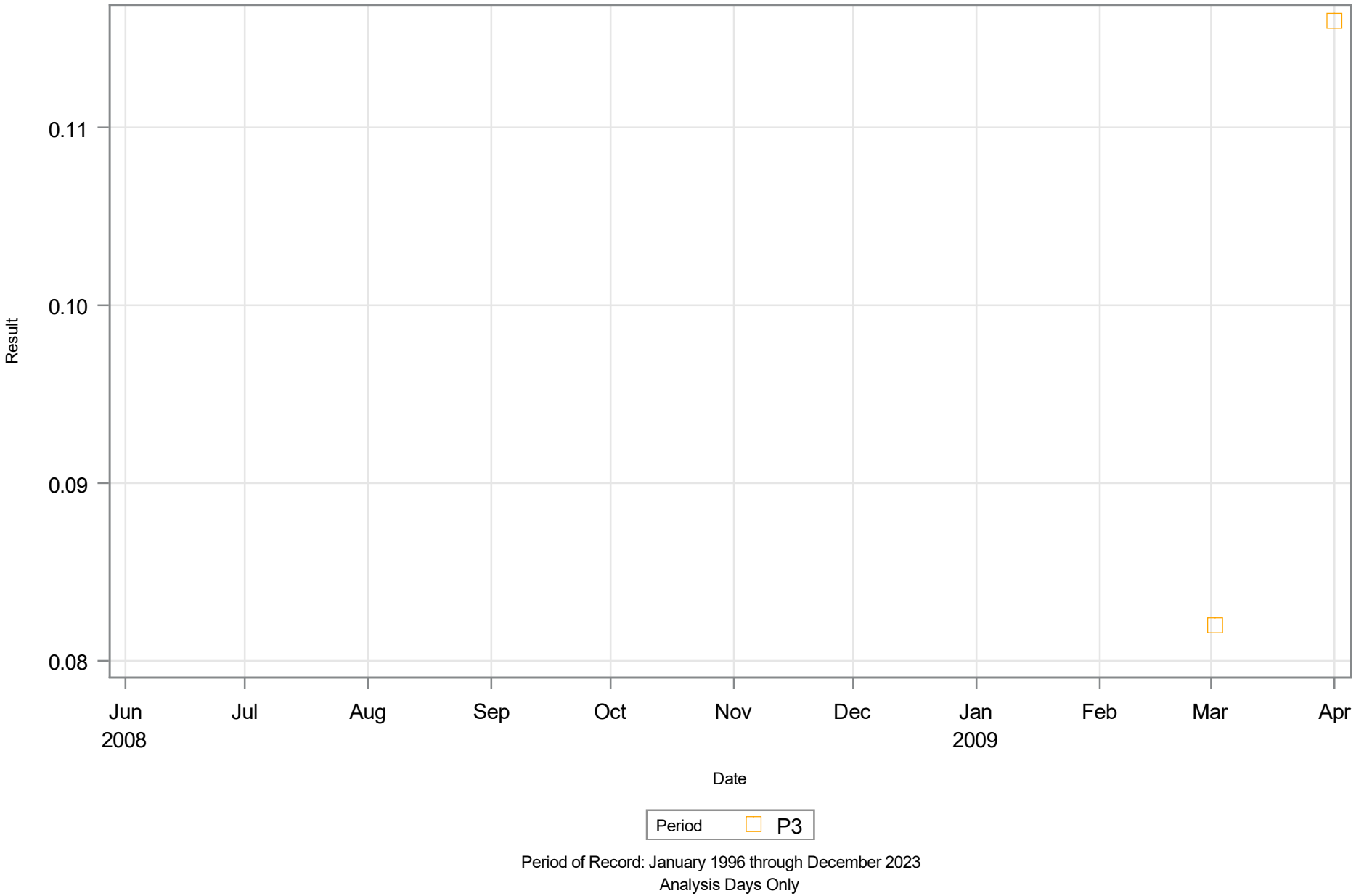
Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at Permit 6675 DID 49 - TBC Station WUP 6675 DID 49 - TBC



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

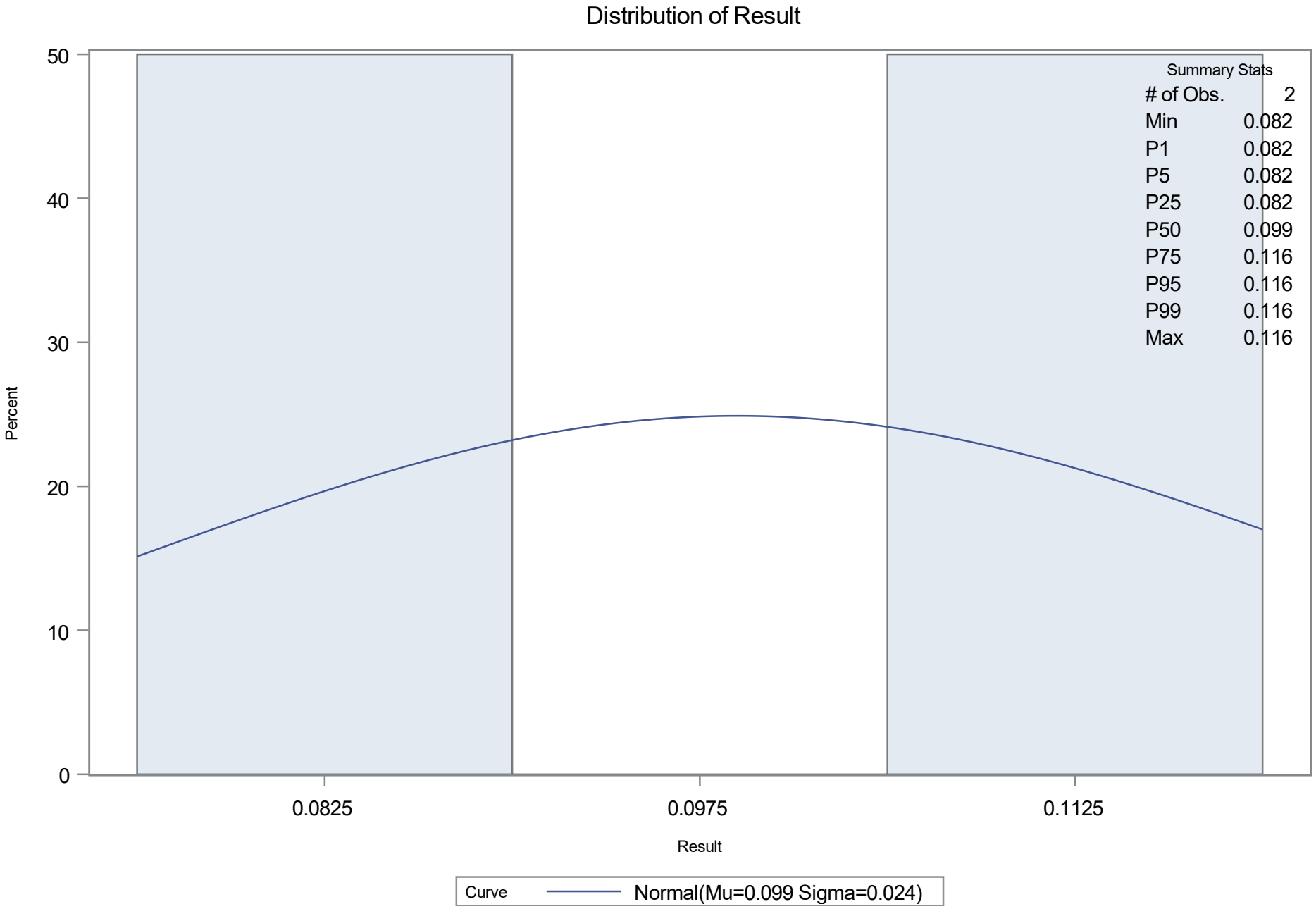
Timeseries of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.099
Std Dev	Sigma	0.024042

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.26024994	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04187679	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25048241	**Pr > A-Sq**	0.233

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.08200	0.04307
5.0	0.08200	0.05946
10.0	0.08200	0.06819
25.0	0.08200	0.08278
50.0	0.09900	0.09900
75.0	0.11600	0.11522
90.0	0.11600	0.12981
95.0	0.11600	0.13854
99.0	0.11600	0.15493

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

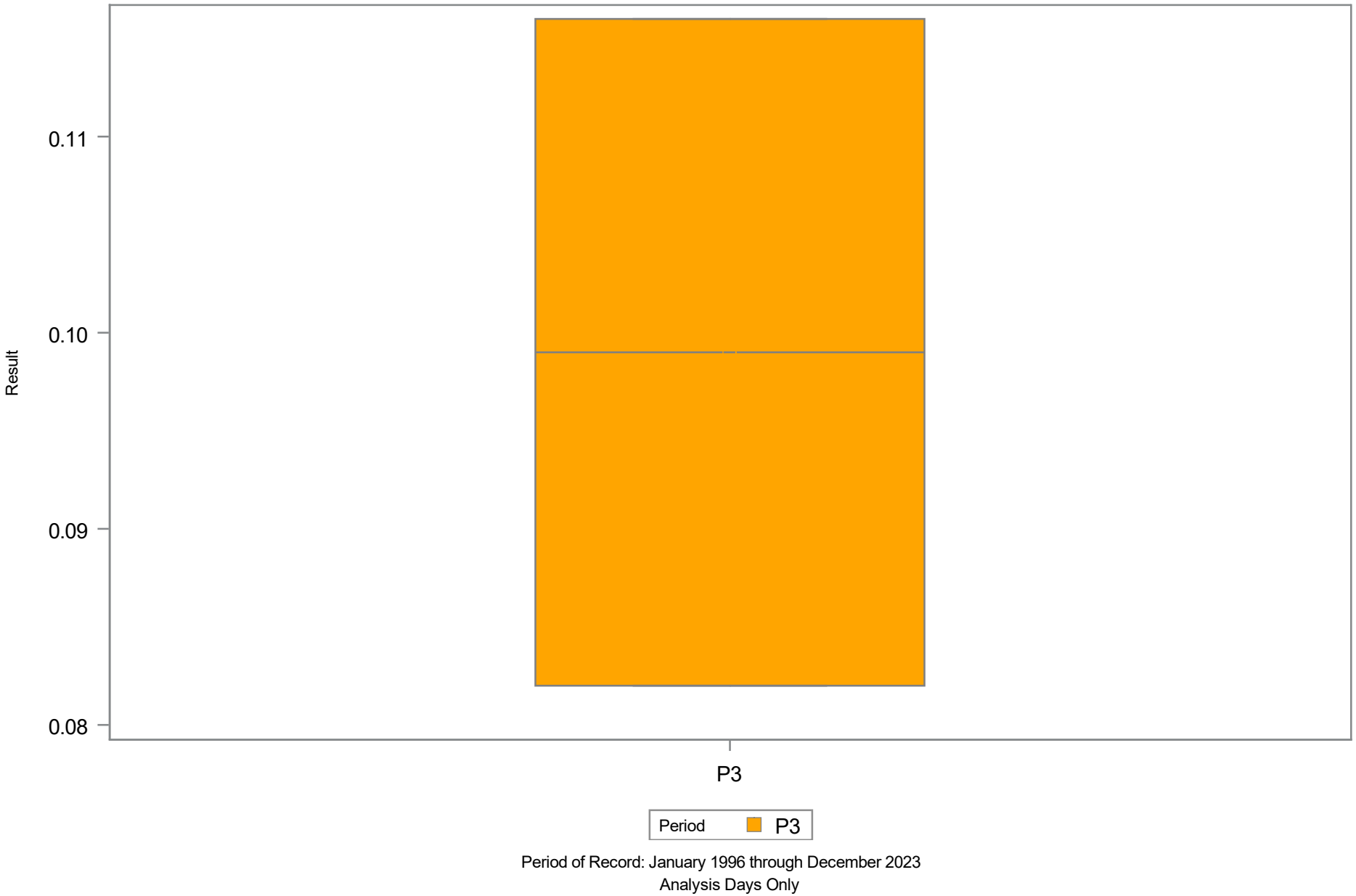
Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	2	0.08	0.08	0.10	0.10	0.12	0.12

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

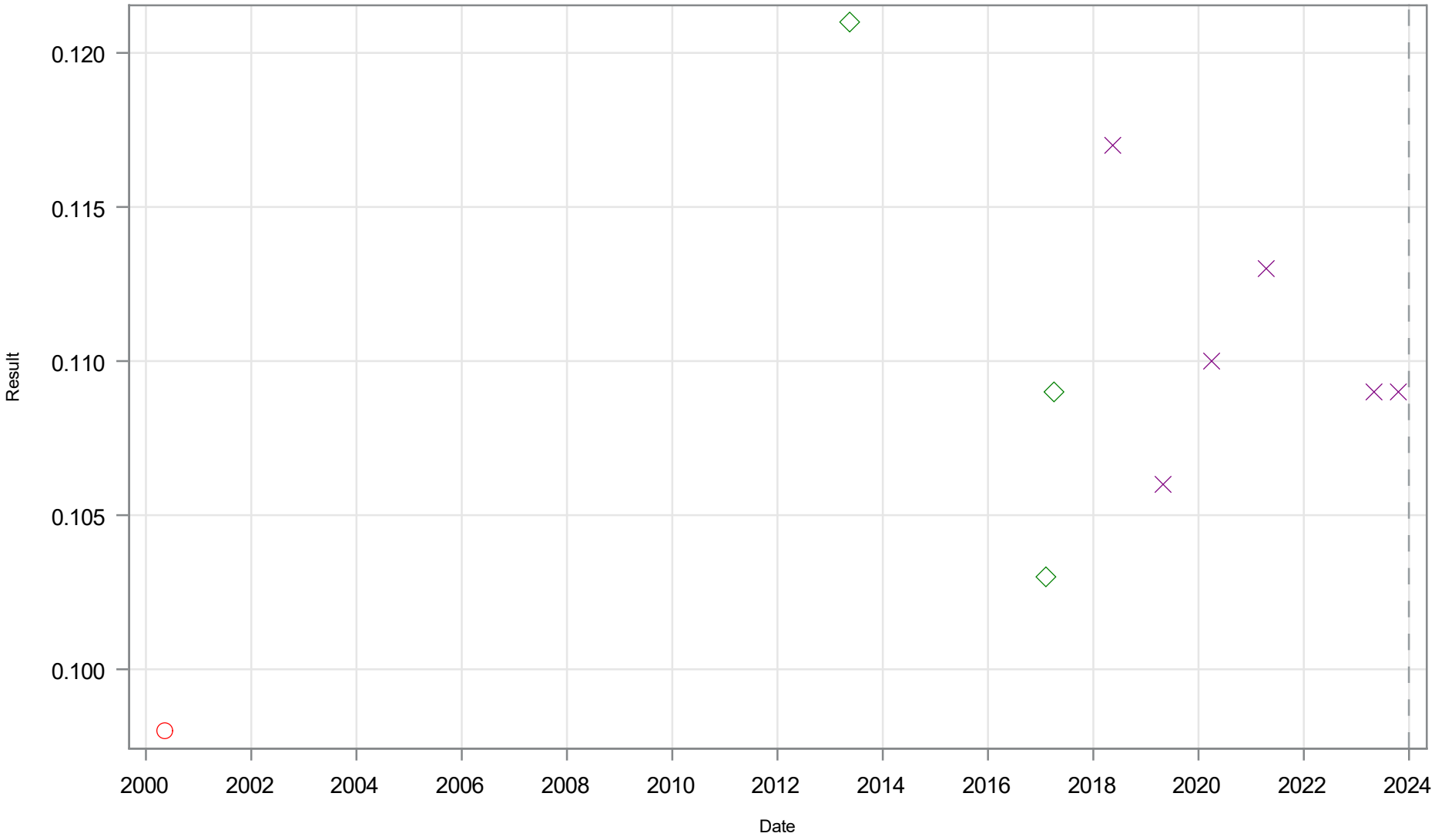
Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD Blue Sink SN 670721



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

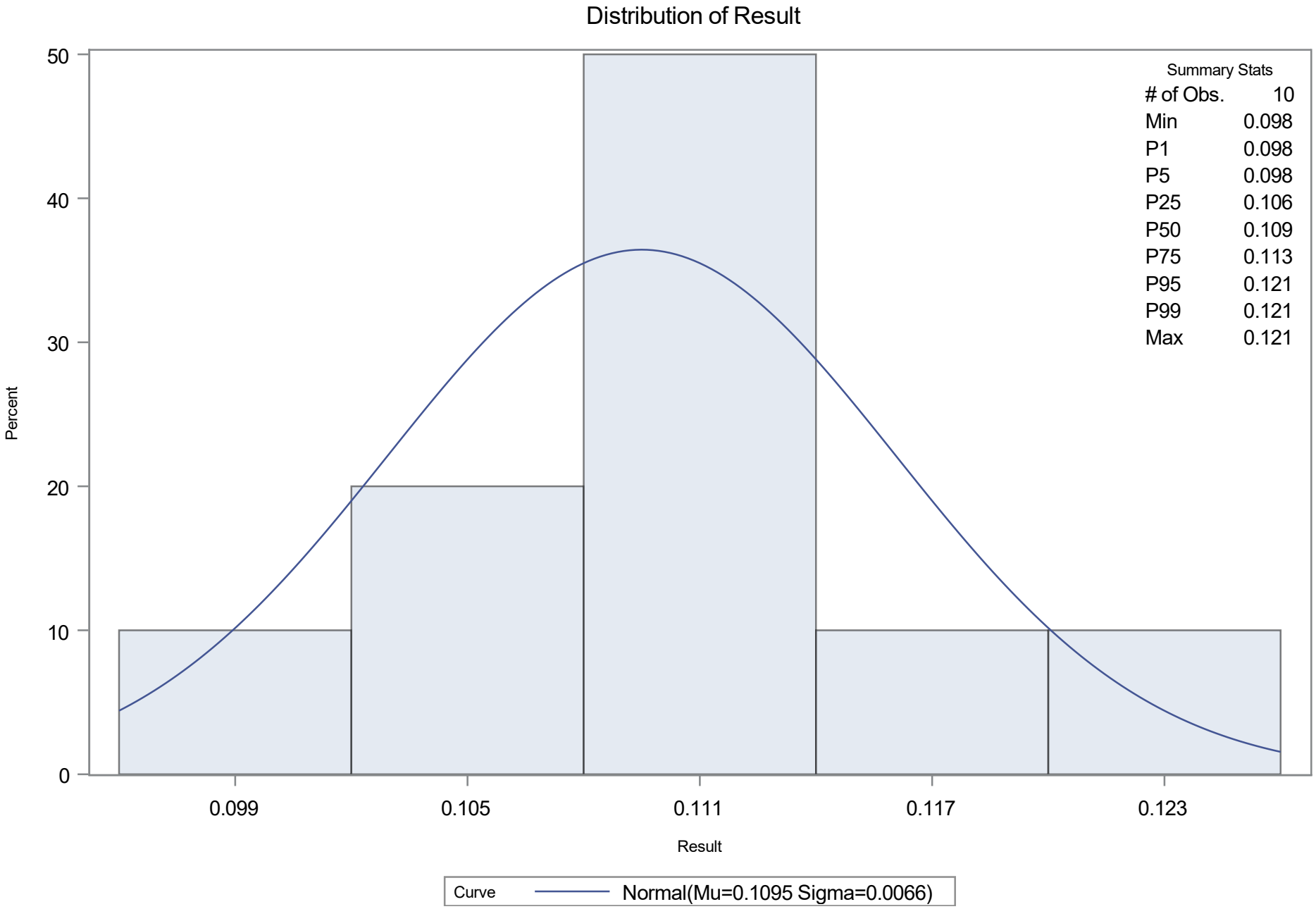
Timeseries of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.1095
Std Dev	Sigma	0.00657

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.16966900	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.04911695	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25364065	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09800	0.09422
5.0	0.09800	0.09869
10.0	0.10050	0.10108
25.0	0.10600	0.10507
50.0	0.10900	0.10950
75.0	0.11300	0.11393
90.0	0.11900	0.11792
95.0	0.12100	0.12031
99.0	0.12100	0.12478

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

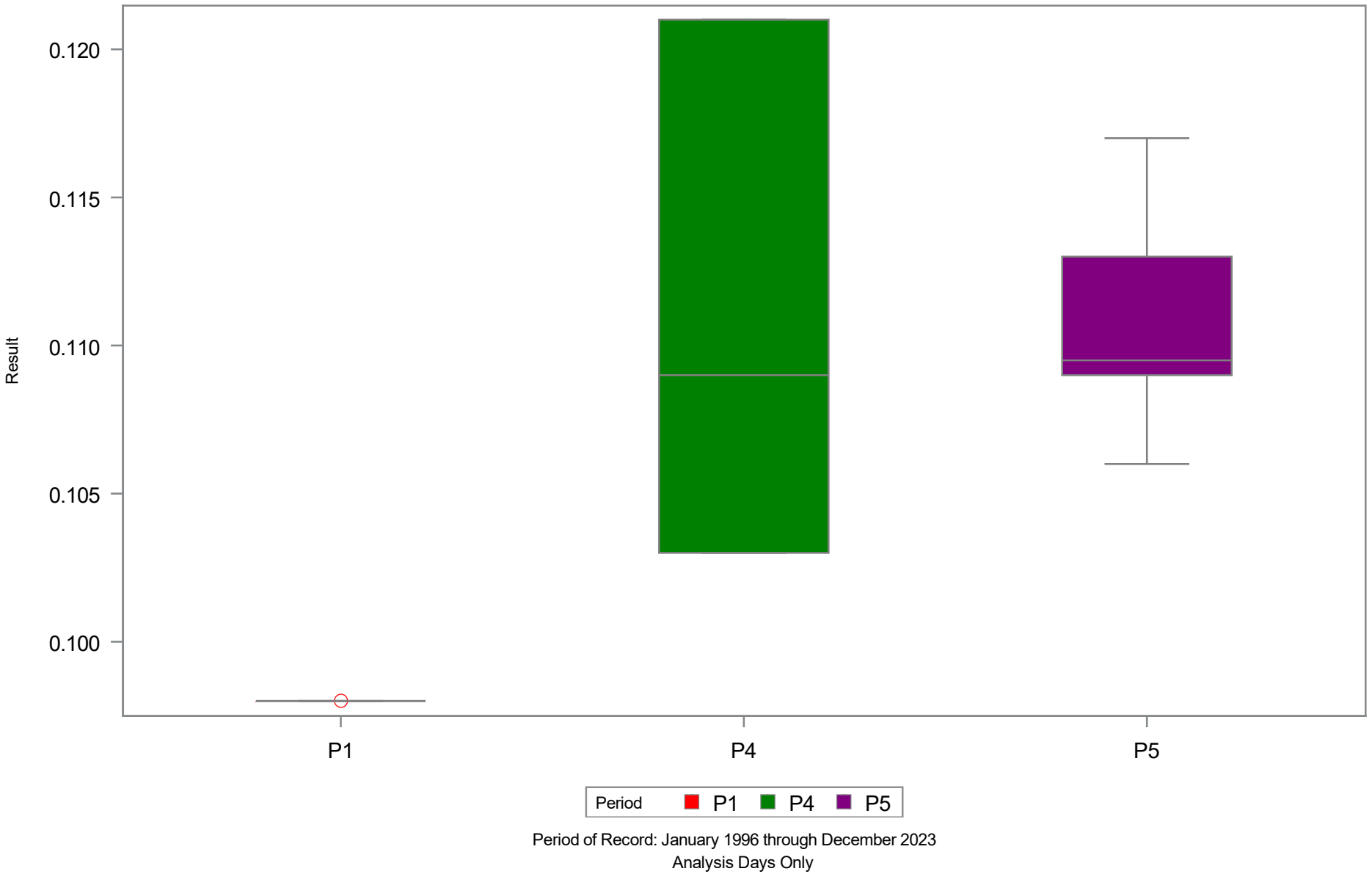
Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	1	0.10	0.10	0.10	0.10	0.10	0.10
P4	3	0.10	0.10	0.11	0.11	0.12	0.12
P5	6	0.11	0.11	0.11	0.11	0.11	0.12

Period of Record: January 1996 through December 2023
Analysis Days Only

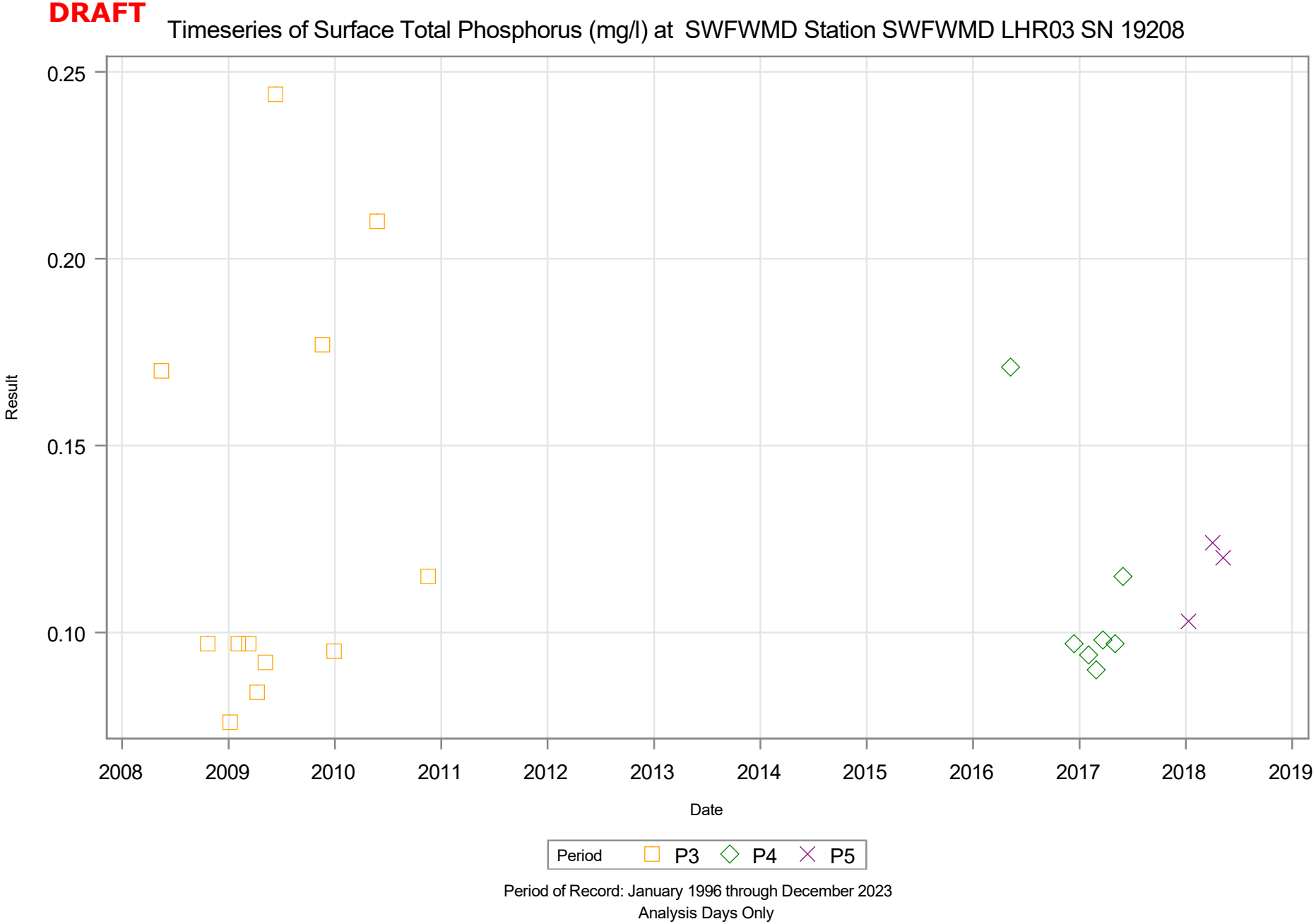
DRAFT

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR Continuous Sensor 19206



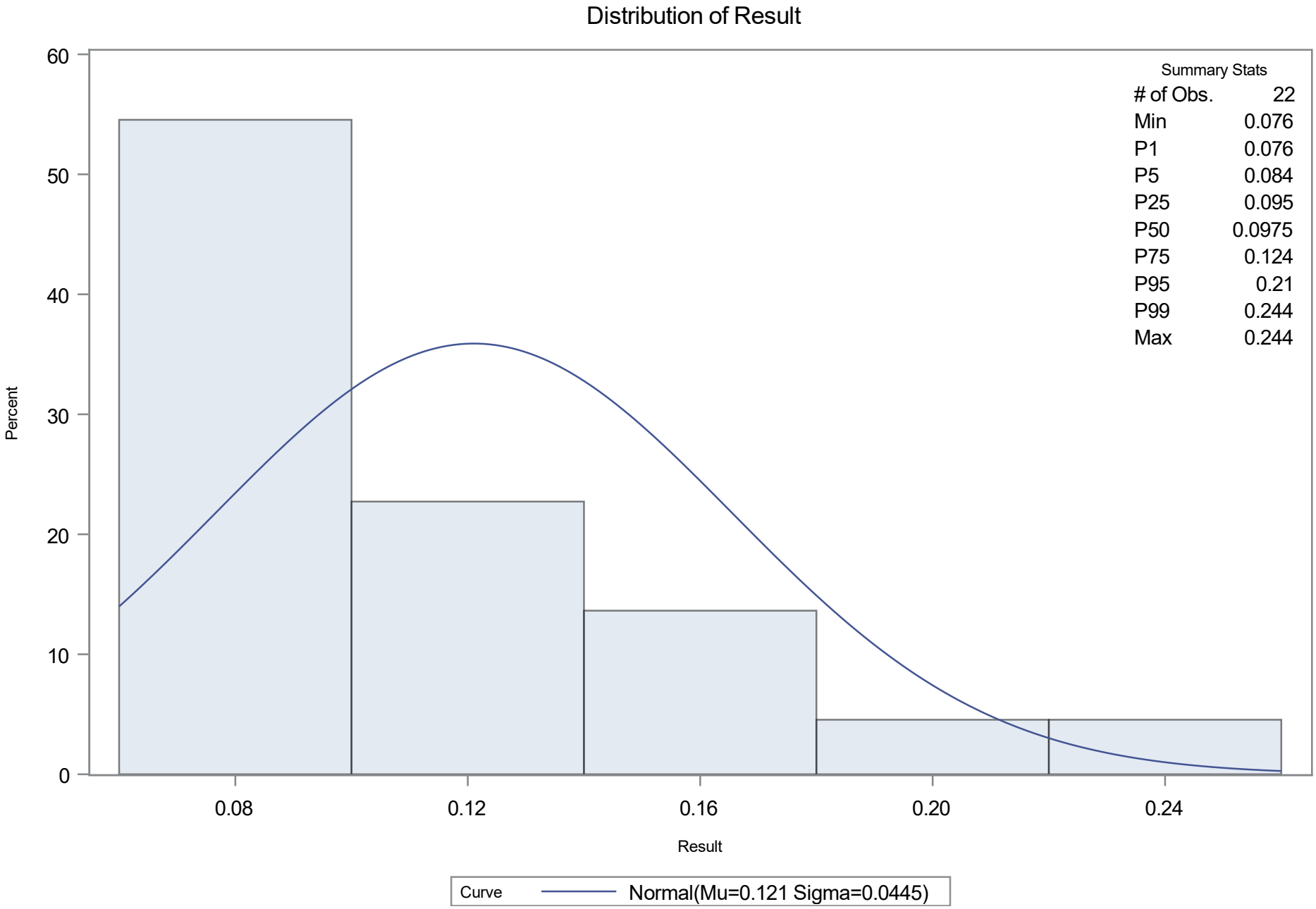
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0.25
0.20
0.15
0.10
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.121045
Std Dev	Sigma	0.044456

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.24850755	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.41100898	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.13106008	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.07600	0.01763
5.0	0.08400	0.04792
10.0	0.09000	0.06407
25.0	0.09500	0.09106
50.0	0.09750	0.12105
75.0	0.12400	0.15103
90.0	0.17700	0.17802
95.0	0.21000	0.19417
99.0	0.24400	0.22447

Period of Record: January 1996 through December 2023
Analysis Days Only

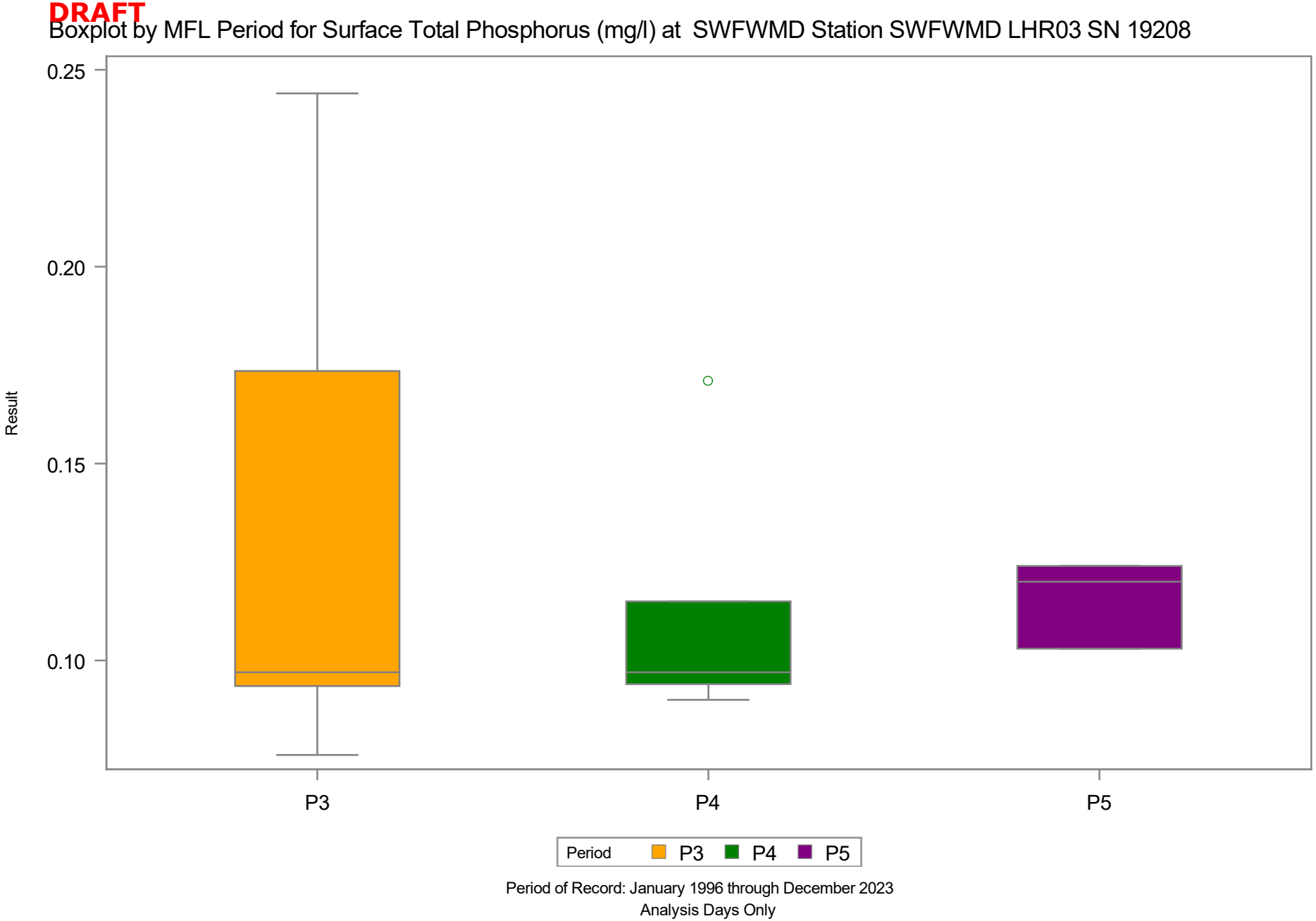
DRAFT

Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208

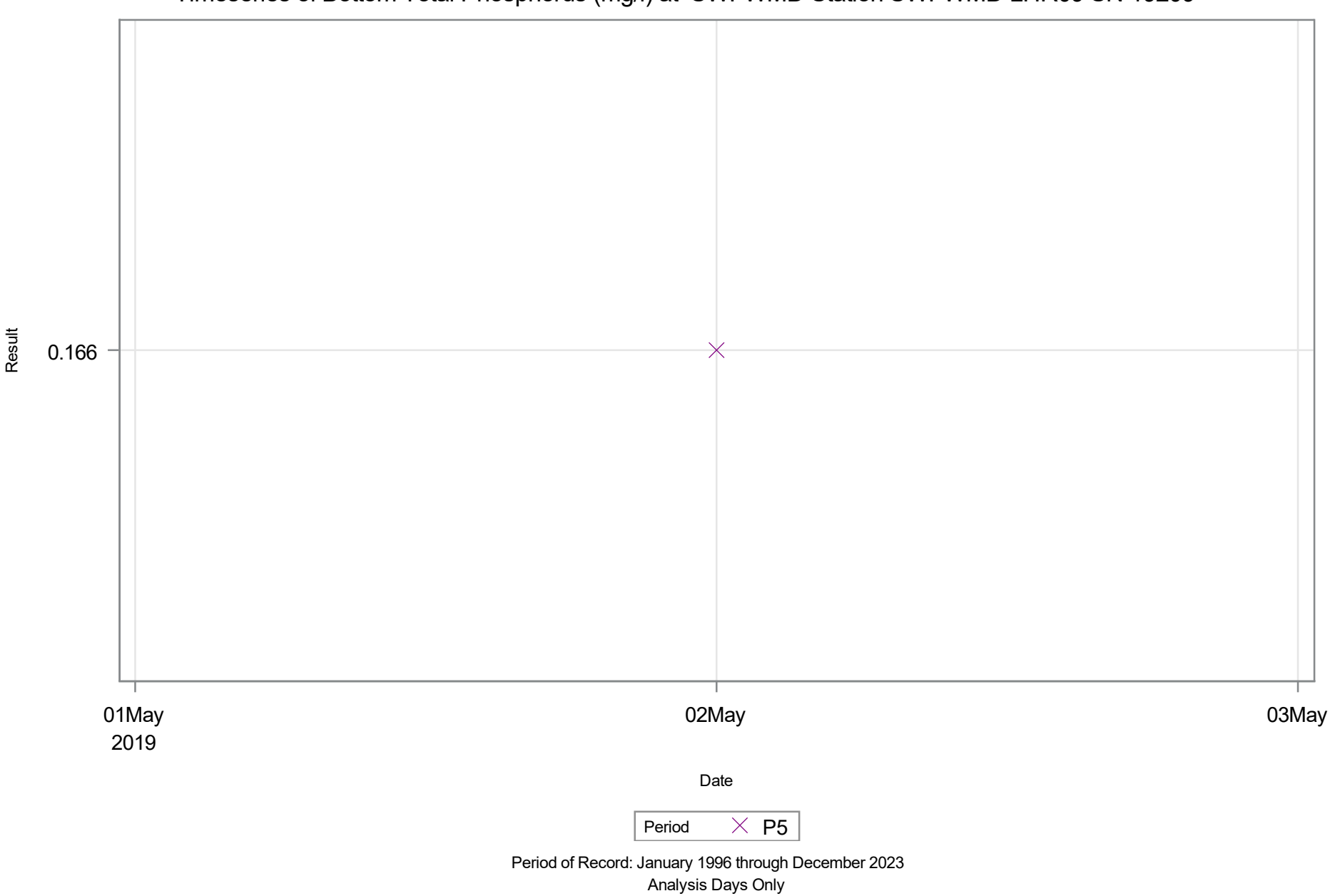
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	12	0.08	0.09	0.13	0.10	0.17	0.24
P4	7	0.09	0.09	0.11	0.10	0.12	0.17
P5	3	0.10	0.10	0.12	0.12	0.12	0.12

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

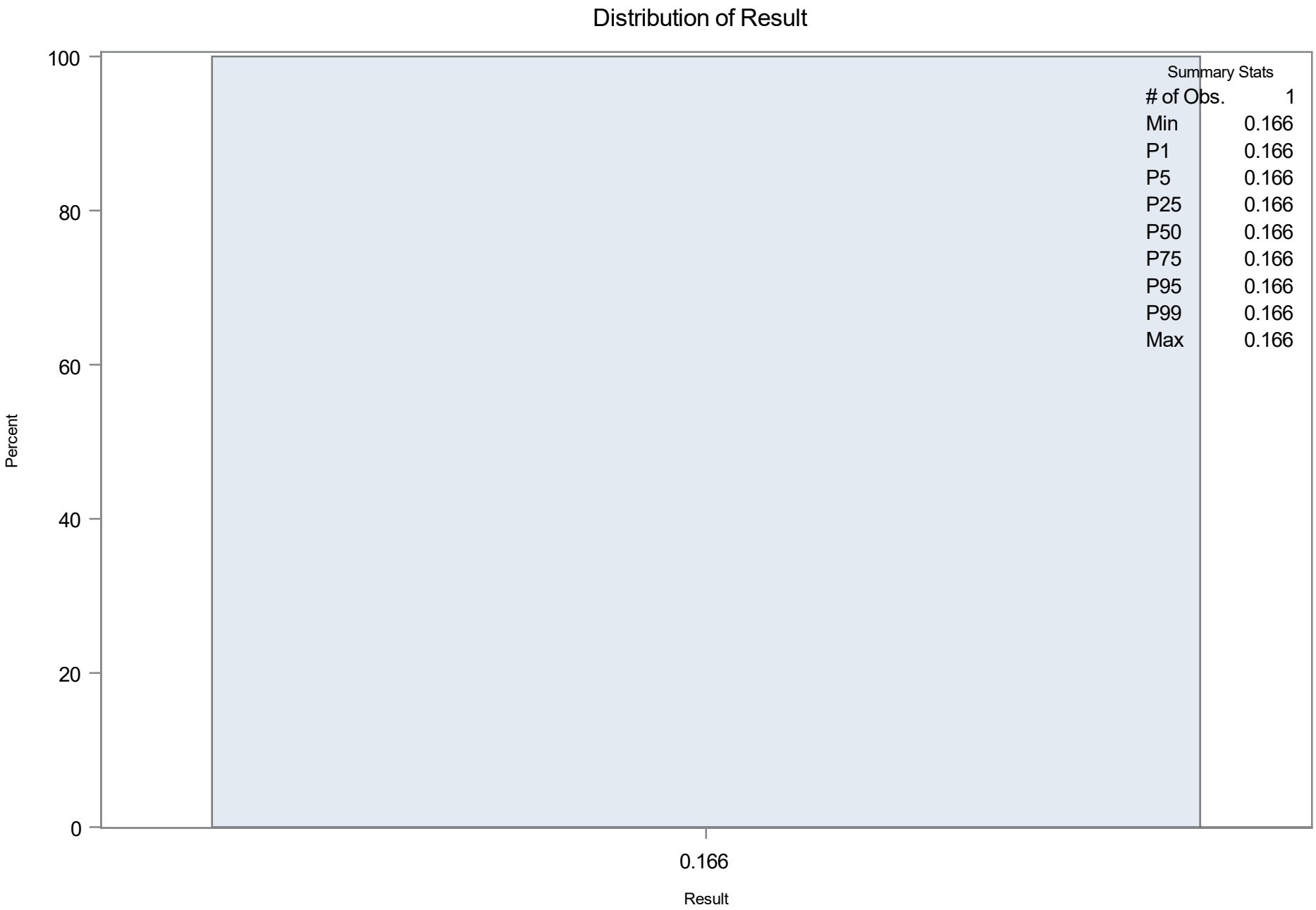

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR03 SN 19208
Result
0.25
0.20
0.15
0.10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Bottom Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.166
01May
2019
02May
03May
Date
Period
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Bottom Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

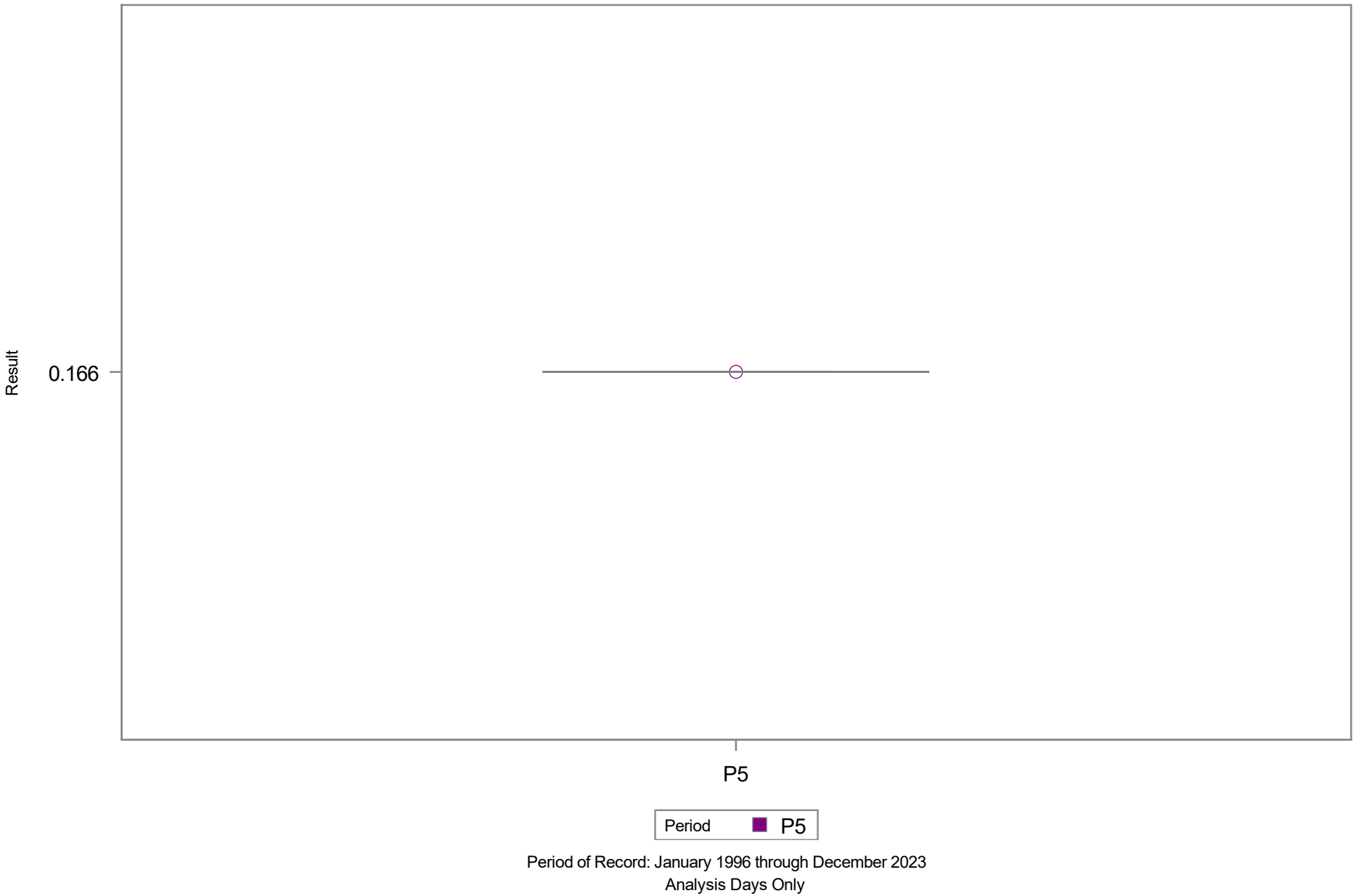
Distributional Statistics by Period for Bottom Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	1	0.17	0.17	0.17	0.17	0.17	0.17

Period of Record: January 1996 through December 2023
Analysis Days Only

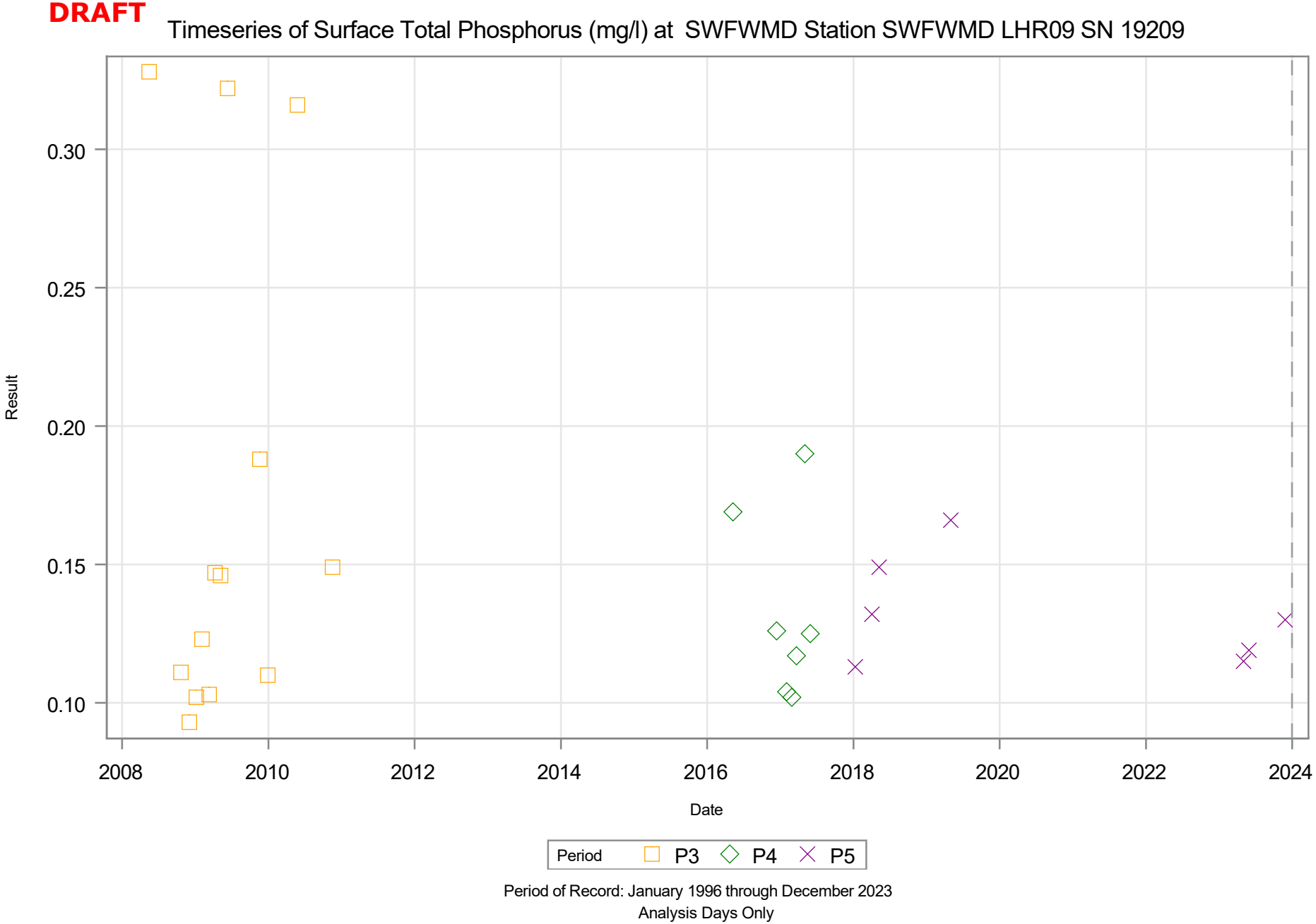
DRAFT

Boxplot by MFL Period for Bottom Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



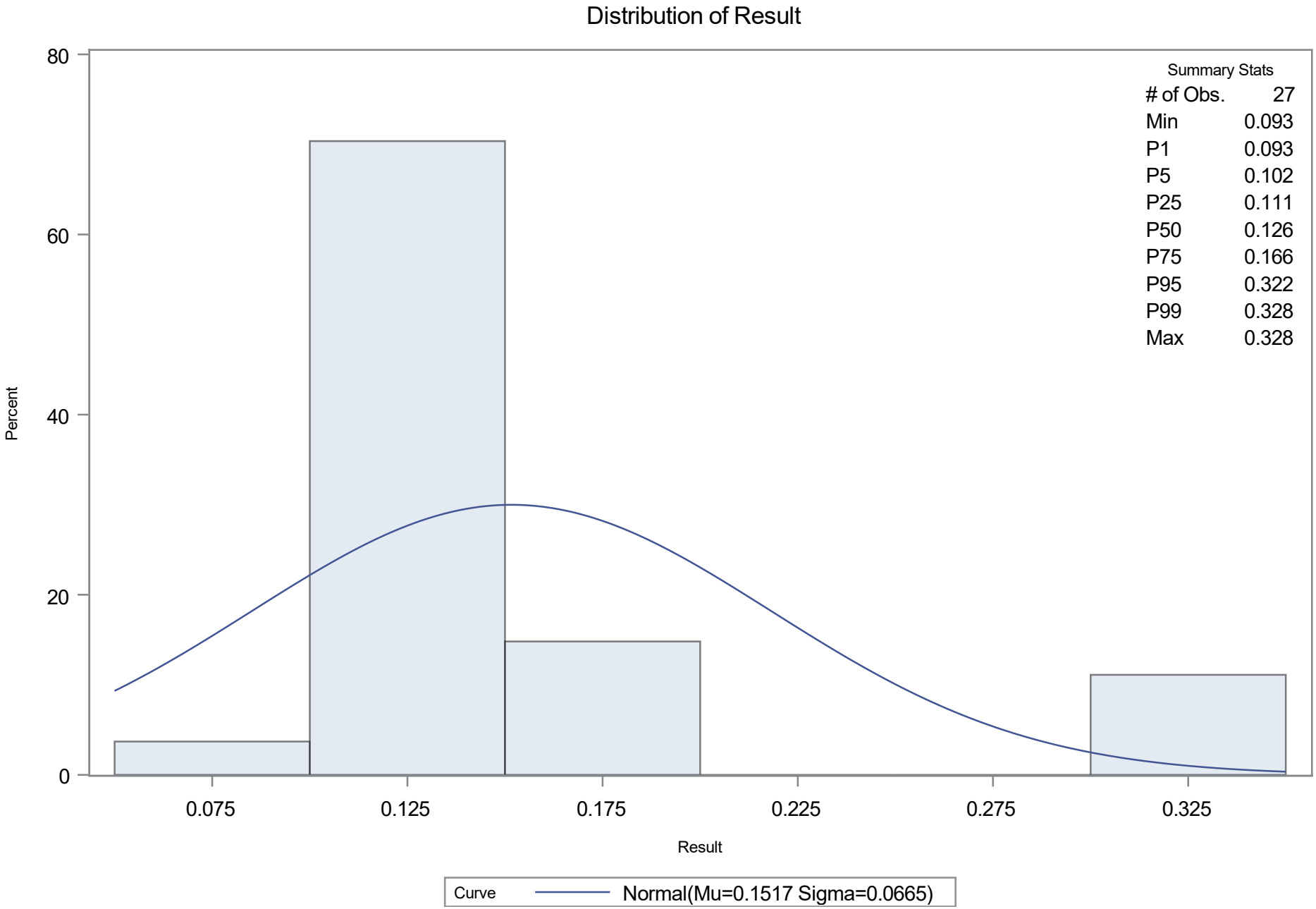
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.30
0.25
0.20
0.15
0.10
2008
2010
2012
2014
2016
2018
2020
2022
2024
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.151667
Std Dev	Sigma	0.066517

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.25673001	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.48402325	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.93266627	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09300	-0.00308
5.0	0.10200	0.04226
10.0	0.10200	0.06642
25.0	0.11100	0.10680
50.0	0.12600	0.15167
75.0	0.16600	0.19653
90.0	0.31600	0.23691
95.0	0.32200	0.26108
99.0	0.32800	0.30641

Period of Record: January 1996 through December 2023
Analysis Days Only

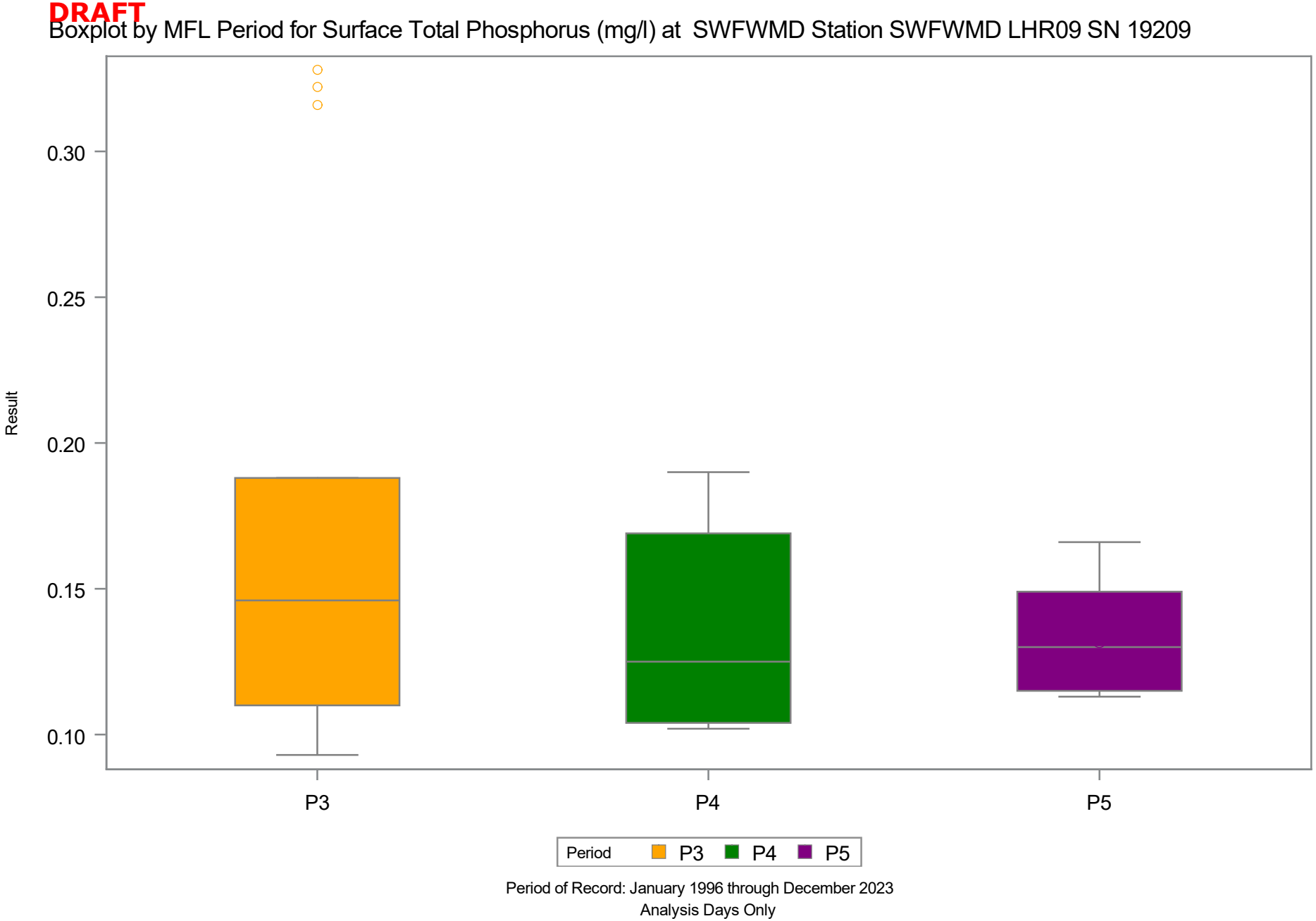
DRAFT

Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209

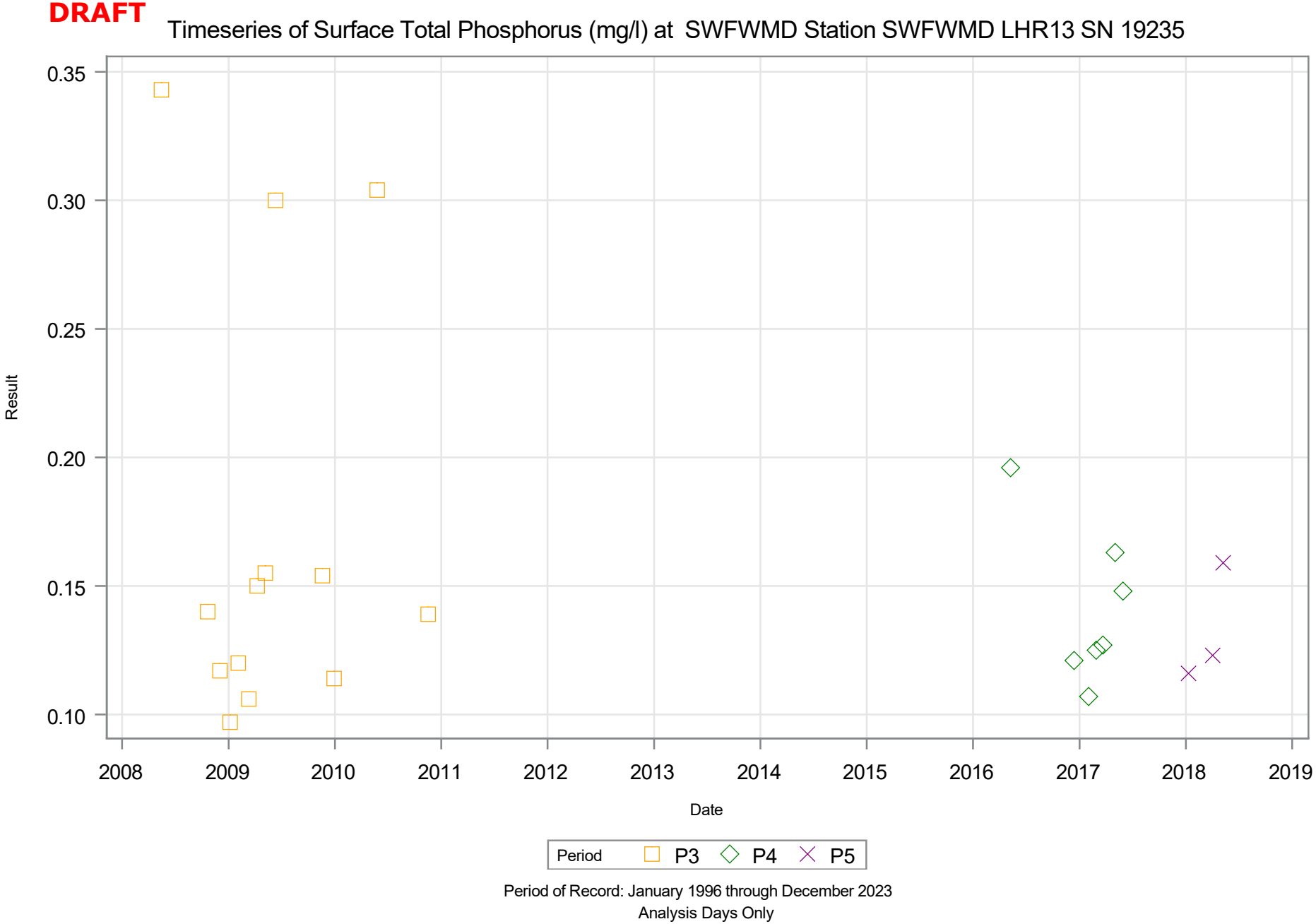
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.09	0.11	0.17	0.15	0.19	0.33
P4	7	0.10	0.10	0.13	0.13	0.17	0.19
P5	7	0.11	0.12	0.13	0.13	0.15	0.17

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

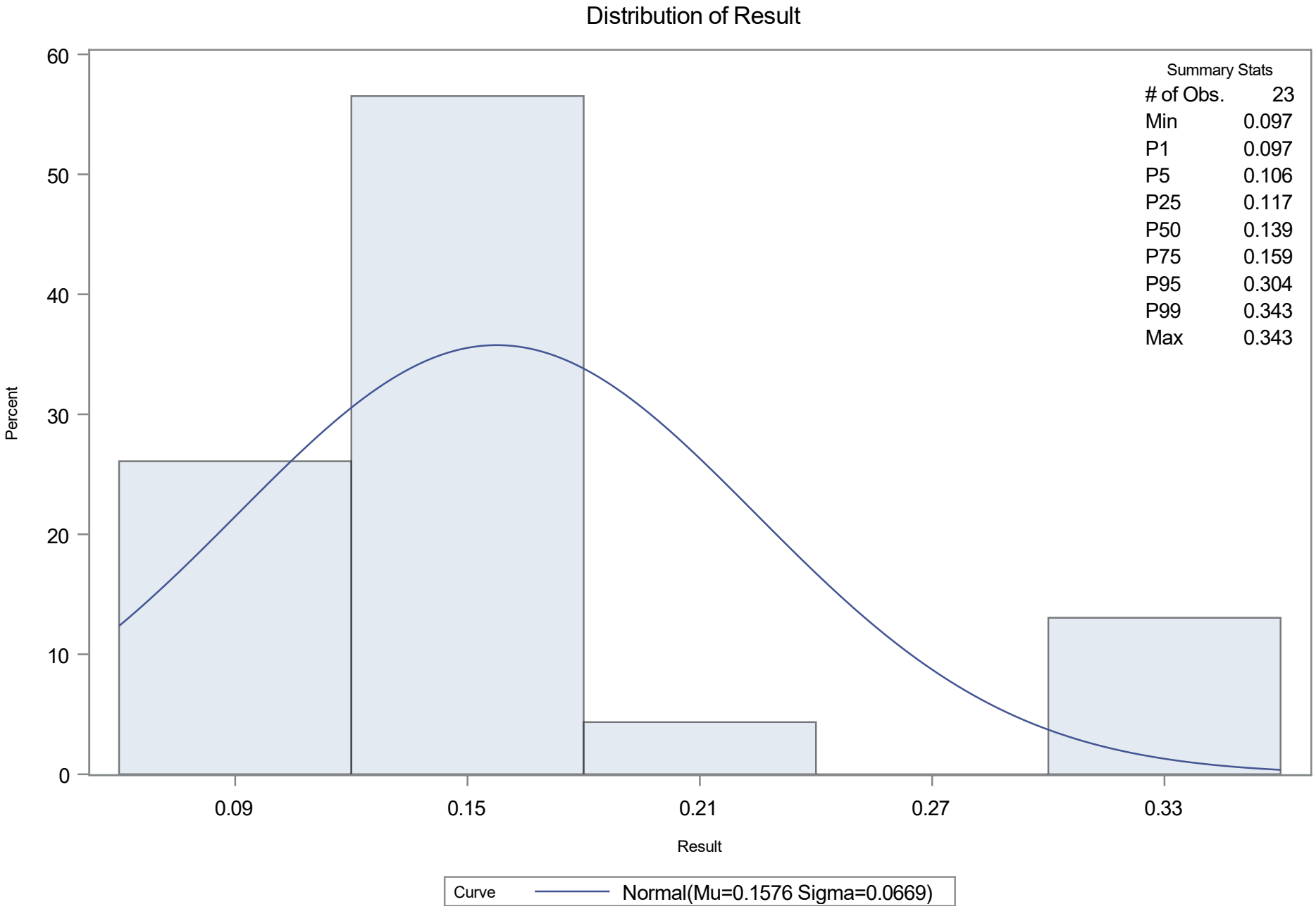

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR09 SN 19209
Result
0.30
0.25
0.20
0.15
0.10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
0.35
0.30
0.25
0.20
0.15
0.10
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.157565
Std Dev	Sigma	0.066926

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.29372603	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.46102142	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	2.60629991	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.09700	0.00187
5.0	0.10600	0.04748
10.0	0.10700	0.07180
25.0	0.11700	0.11242
50.0	0.13900	0.15757
75.0	0.15900	0.20271
90.0	0.30000	0.24333
95.0	0.30400	0.26765
99.0	0.34300	0.31326

Period of Record: January 1996 through December 2023
Analysis Days Only

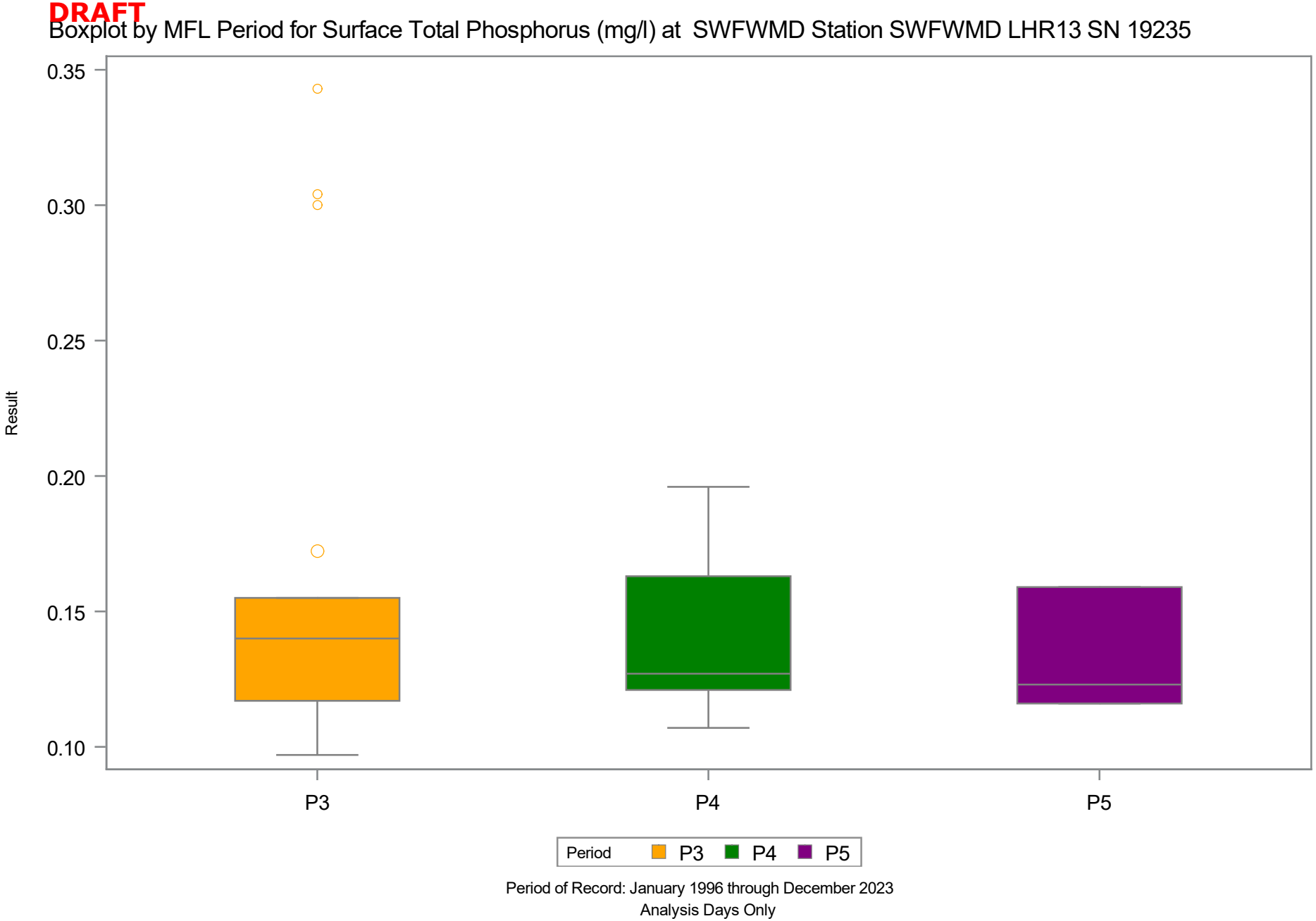
DRAFT

Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235

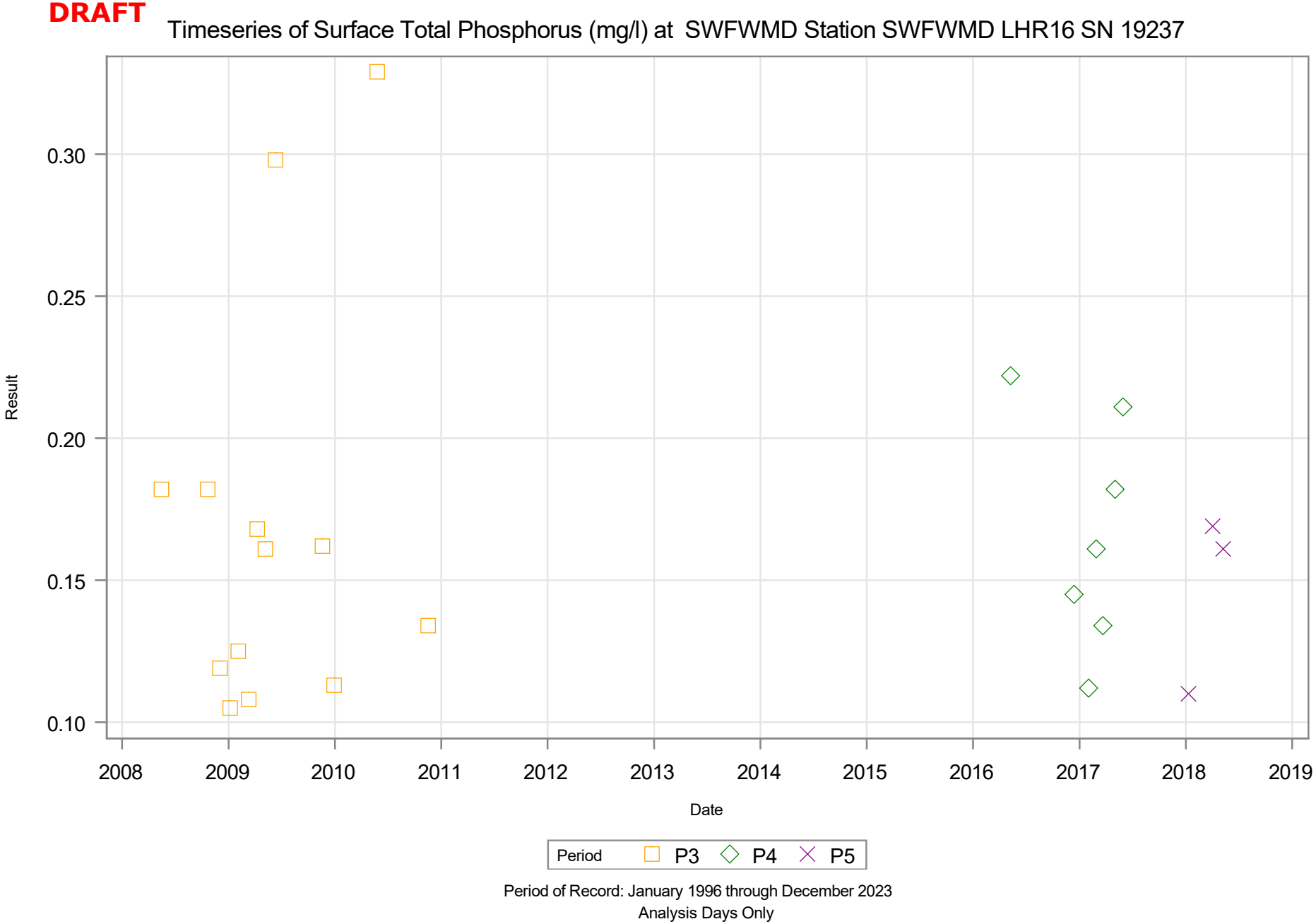
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.10	0.12	0.17	0.14	0.16	0.34
P4	7	0.11	0.12	0.14	0.13	0.16	0.20
P5	3	0.12	0.12	0.13	0.12	0.16	0.16

Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

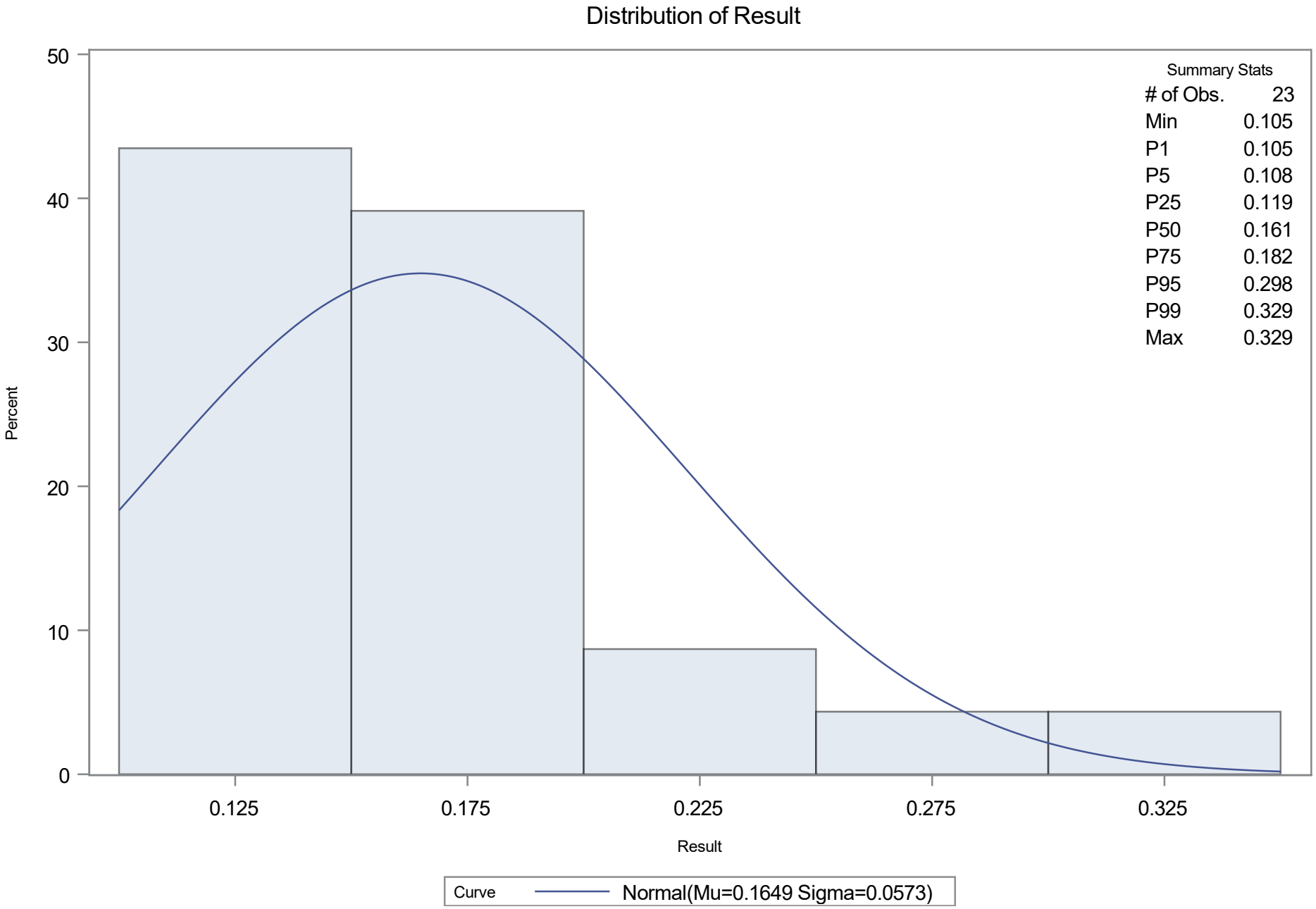

Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR13 SN 19235
Result
0.35
0.30
0.25
0.20
0.15
0.10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
0.30
0.25
0.20
0.15
0.10
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Date
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.164913
Std Dev	Sigma	0.057336

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.20893354	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.17011310	**Pr > W-Sq**	0.012
Anderson-Darling	**A-Sq**	1.14675126	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.10500	0.03153
5.0	0.10800	0.07060
10.0	0.11000	0.09143
25.0	0.11900	0.12624
50.0	0.16100	0.16491
75.0	0.18200	0.20359
90.0	0.22200	0.23839
95.0	0.29800	0.25922
99.0	0.32900	0.29830

Period of Record: January 1996 through December 2023
Analysis Days Only

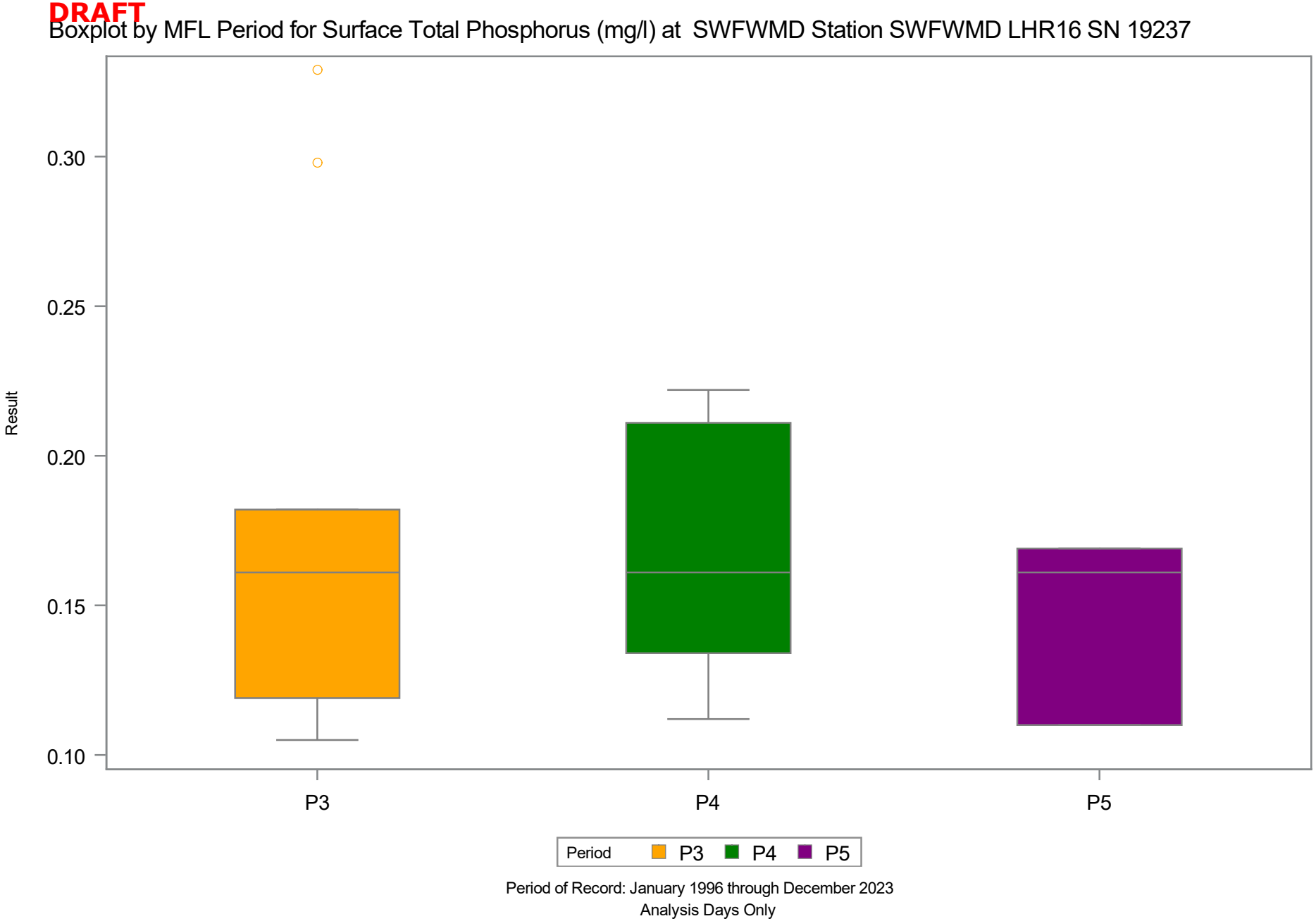
DRAFT

Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237

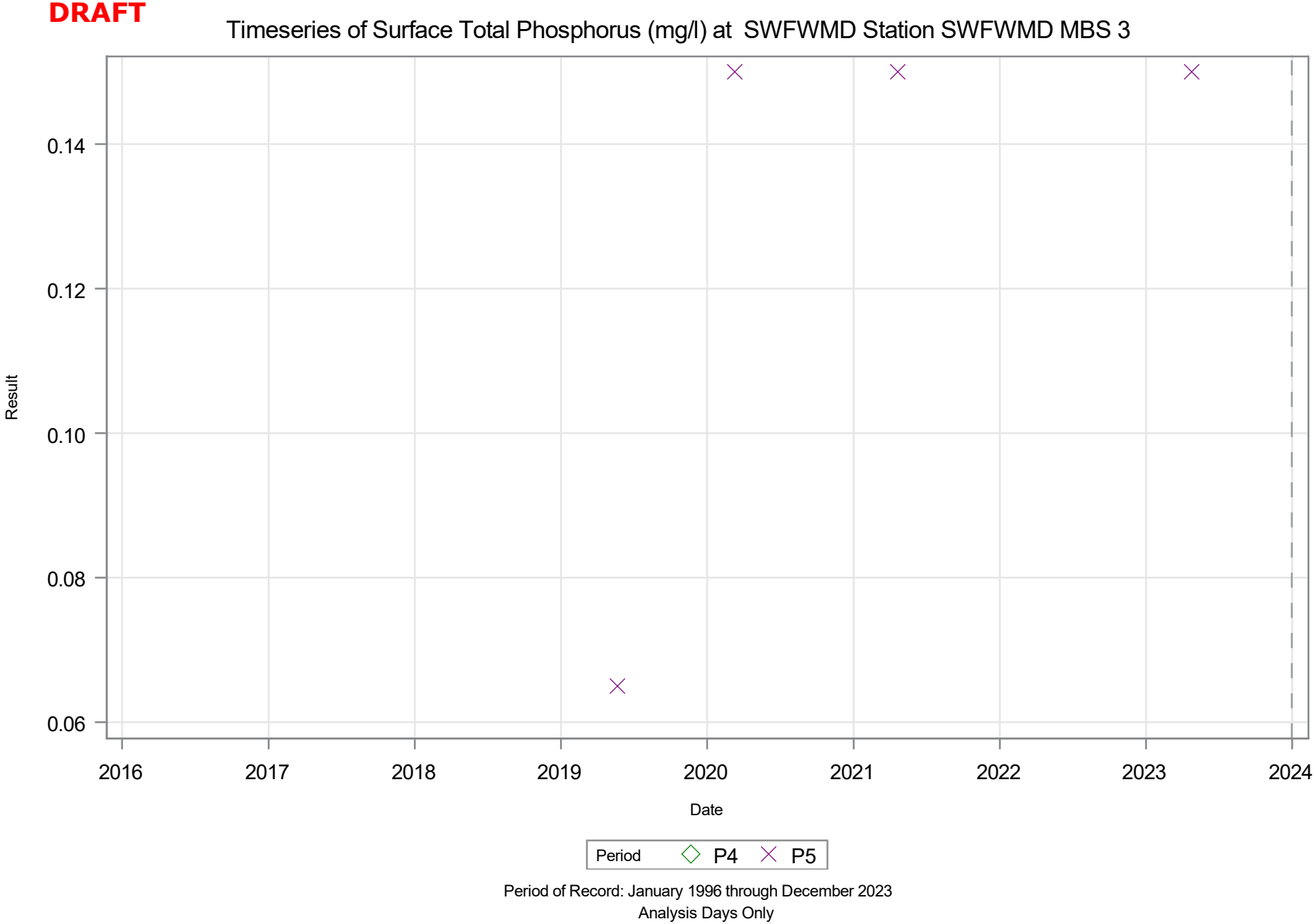
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P3	13	0.11	0.12	0.17	0.16	0.18	0.33
P4	7	0.11	0.13	0.17	0.16	0.21	0.22
P5	3	0.11	0.11	0.15	0.16	0.17	0.17

Period of Record: January 1996 through December 2023
Analysis Days Only

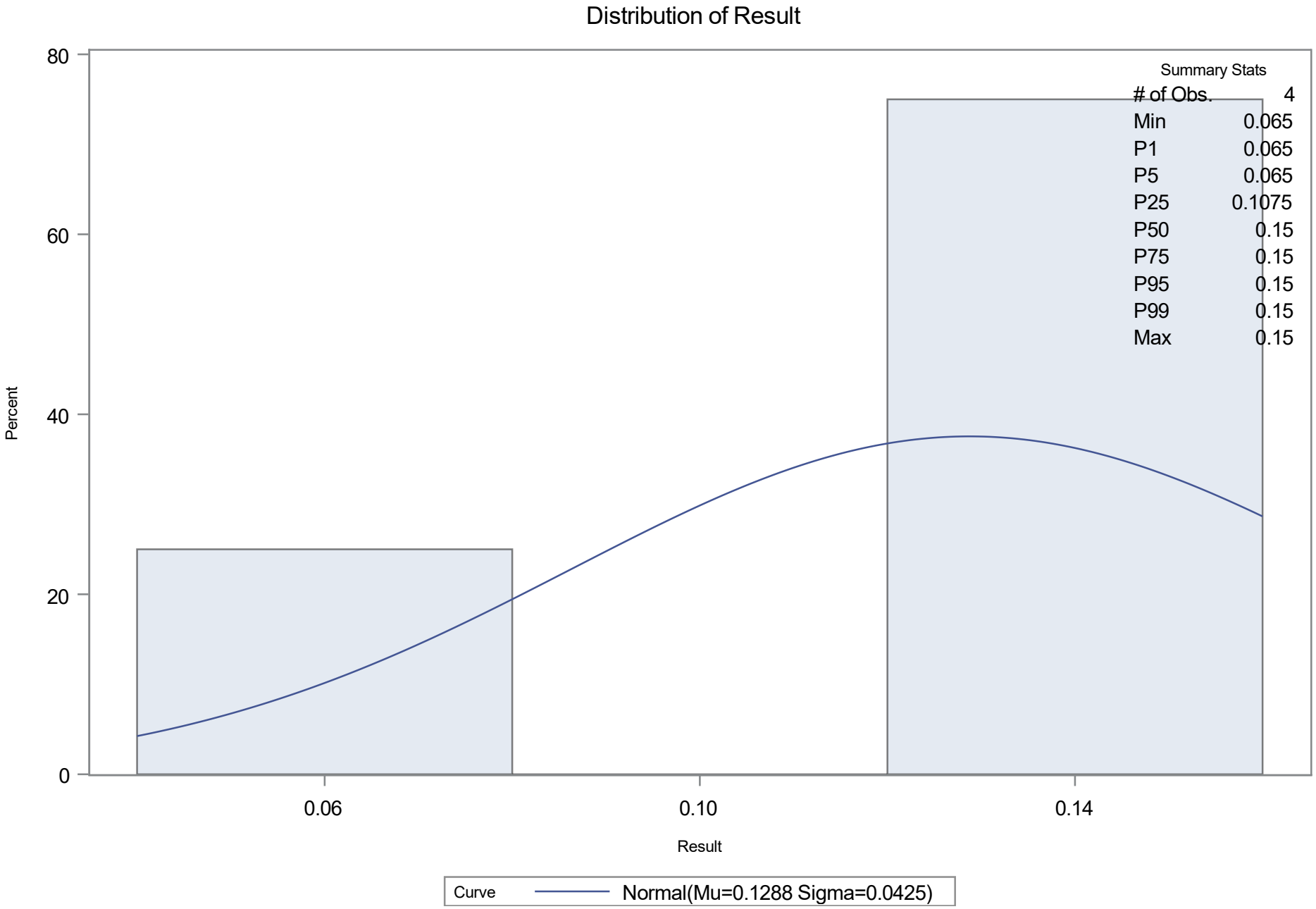
DRAFT


Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD LHR16 SN 19237
Result
0.30
0.25
0.20
0.15
0.10
P3
P4
P5
Period
P3
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Timeseries of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
0.14
0.12
0.10
0.08
0.06
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT **Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD MBS 3**



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD MBS 3

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.12875
Std Dev	Sigma	0.0425

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.44146246	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	0.16247151	**Pr > W-Sq**	0.009
Anderson-Darling	**A-Sq**	0.82683767	**Pr > A-Sq**	0.007

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06500	0.02988
5.0	0.06500	0.05884
10.0	0.06500	0.07428
25.0	0.10750	0.10008
50.0	0.15000	0.12875
75.0	0.15000	0.15742
90.0	0.15000	0.18322
95.0	0.15000	0.19866
99.0	0.15000	0.22762

Period of Record: January 1996 through December 2023
Analysis Days Only

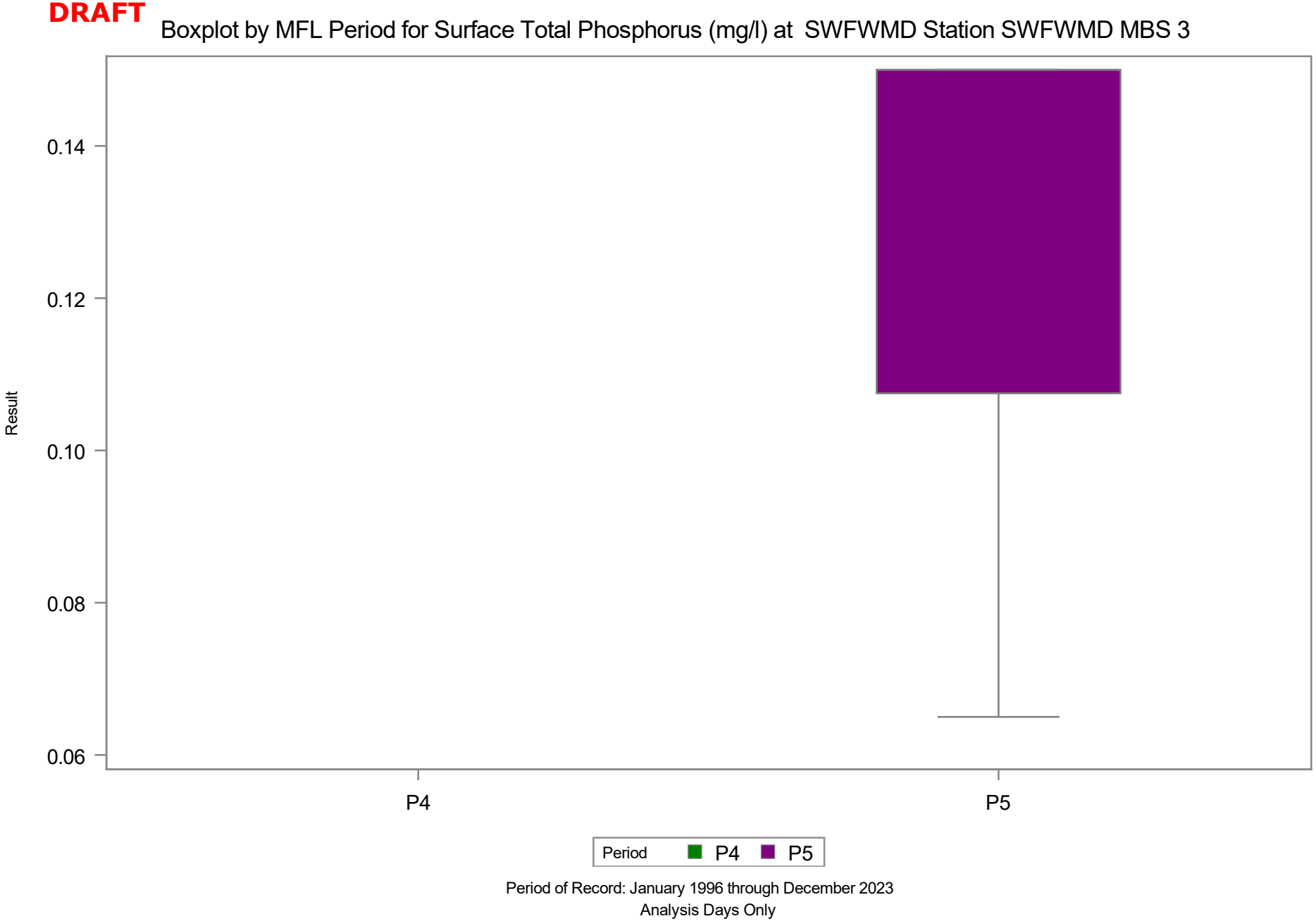
DRAFT

Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD MBS 3

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	4	0.07	0.11	0.13	0.15	0.15	0.15

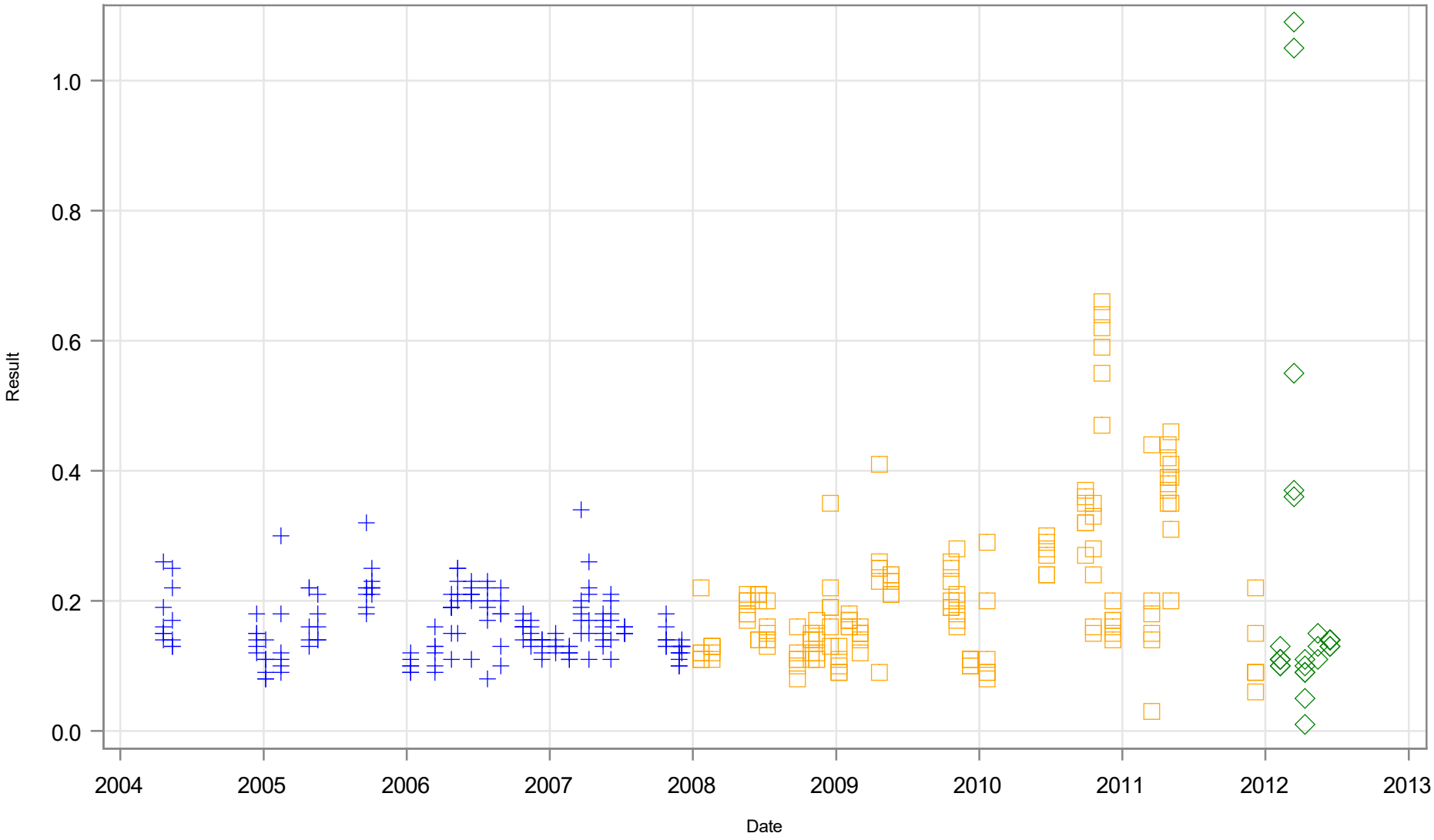
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT


Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at SWFWMD Station SWFWMD MBS 3
Result
0.14
0.12
0.10
0.08
0.06
P4
P5
Period
P4
P5
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

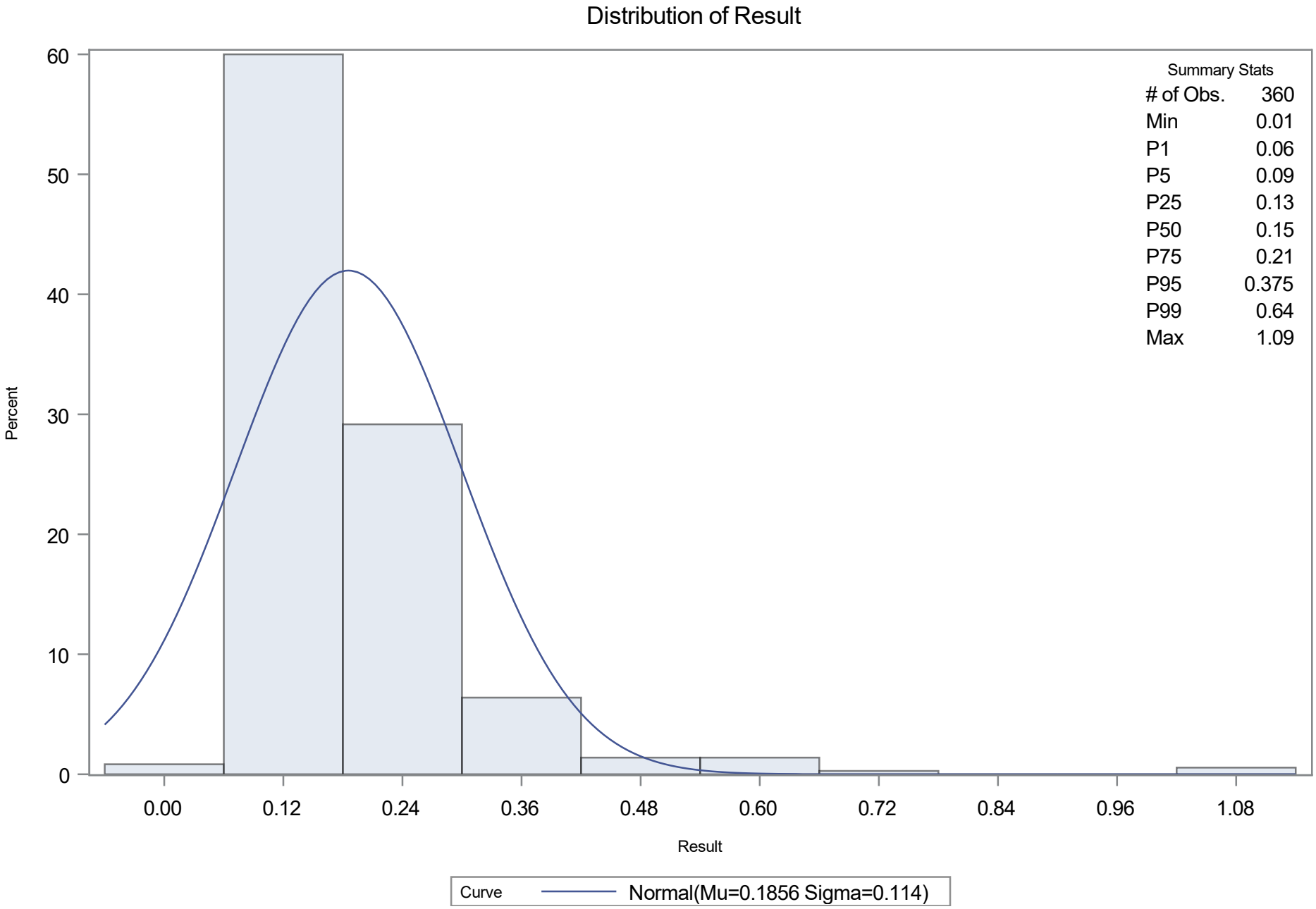
Timeseries of Surface Total Phosphorus (mg/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l) at TBW HBMP Water Quality Station TBW HBMP



Period of Record: January 1996 through December 2023
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Univariate Histogram of Surface Total Phosphorus (mg/l) at TBW HBMP Water Quality Station TBW HBMP

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.185556
Std Dev	Sigma	0.114041

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1952010	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	4.7960653	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	26.4962634	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.06000	-0.07974
5.0	0.09000	-0.00202
10.0	0.10000	0.03941
25.0	0.13000	0.10864
50.0	0.15000	0.18556
75.0	0.21000	0.26247
90.0	0.29500	0.33170
95.0	0.37500	0.37314
99.0	0.64000	0.45085

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Distributional Statistics by Period for Surface Total Phosphorus (mg/l) at TBW HBMP Water Quality Station TBW HBMP

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	172	0.08	0.13	0.16	0.15	0.19	0.34
P3	162	0.03	0.13	0.21	0.17	0.24	0.66
P4	26	0.01	0.10	0.22	0.13	0.14	1.09

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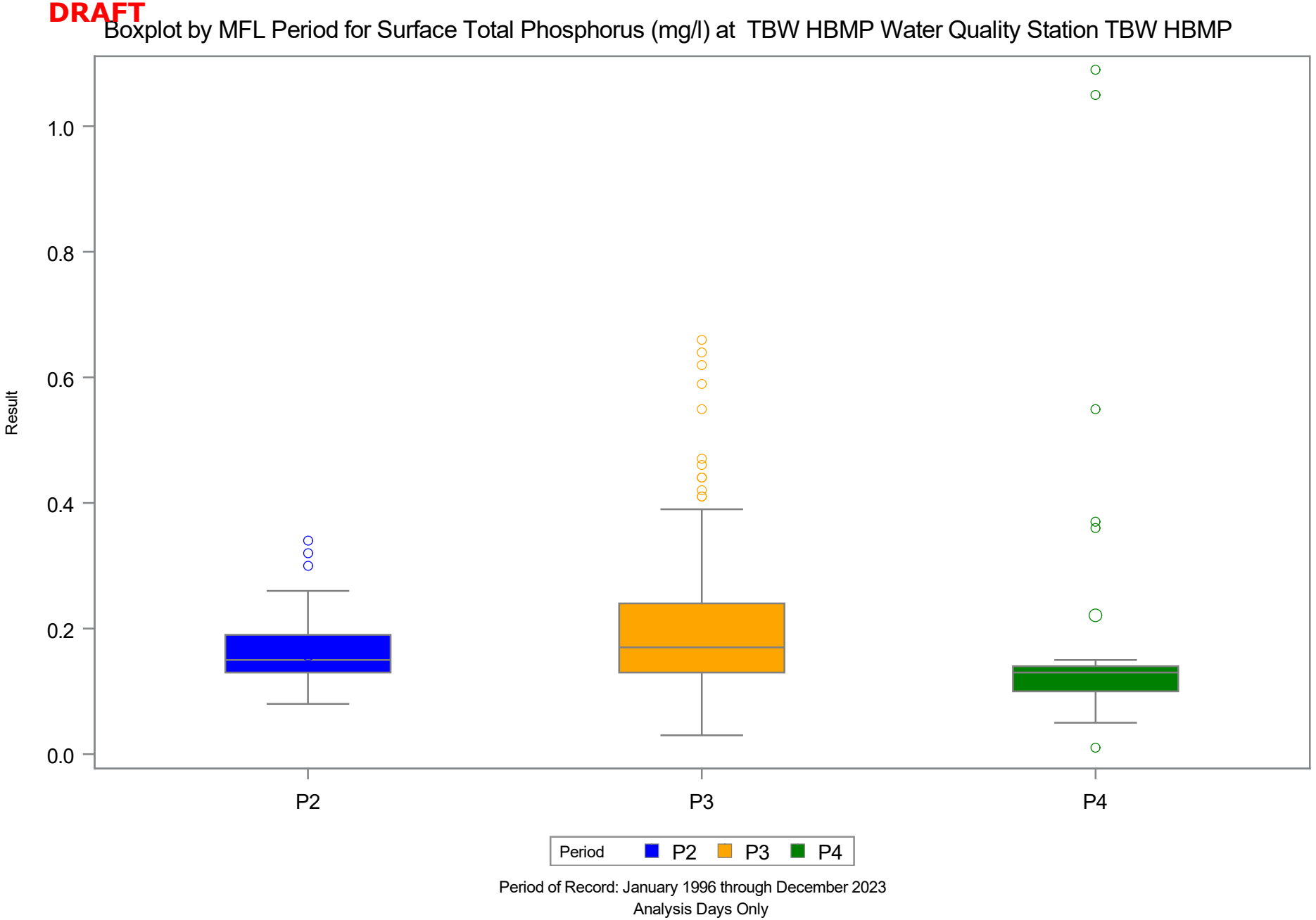
Boxplot by MFL Period for Surface Total Phosphorus (mg/l) at TBW HBMP Water Quality Station TBW HBMP
Result
1.0
0.8
0.6
0.4
0.2
0.0
P2
P3
P4
Period
P2
P3
P4
Period of Record: January 1996 through December 2023
Analysis Days Only