

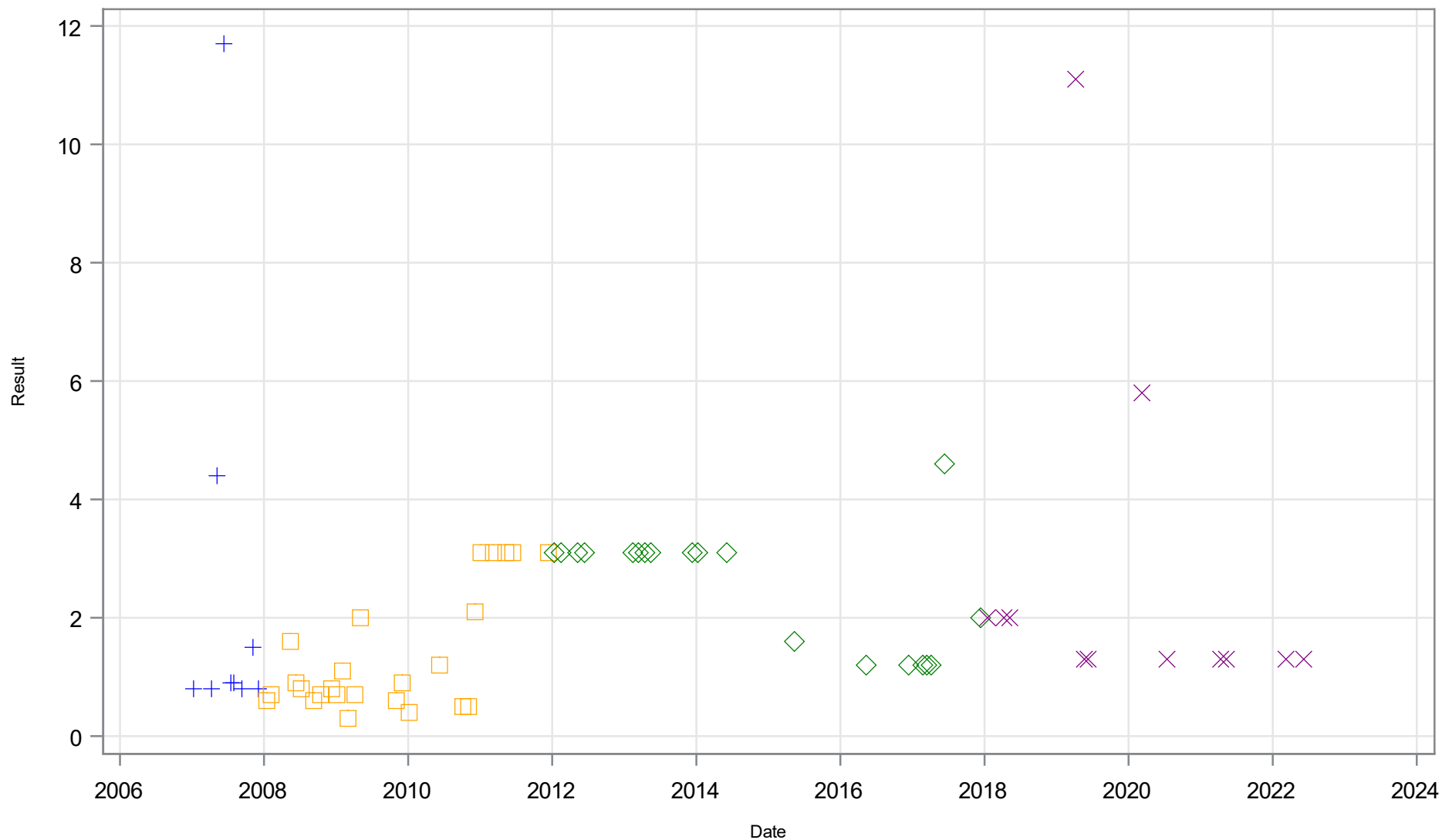
DRAFT

Appendix L

Source Water Quality Plots

DRAFT

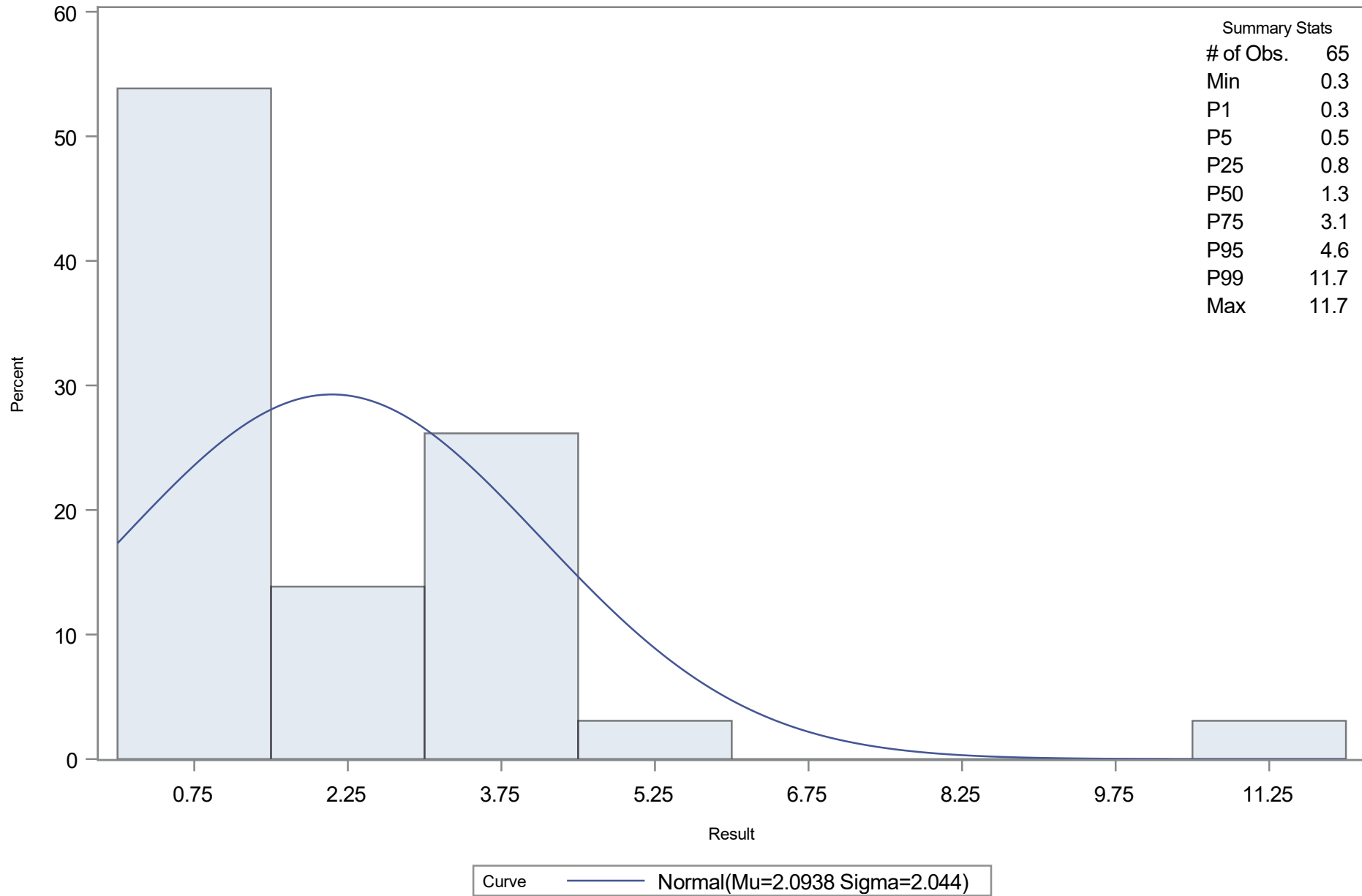
Timeseries of Sulphur Springs Run Surface Chlorophyll a uncorrected (ug/l)



DRAFT

Univariate Histogram of Sulphur Springs Run Surface Chlorophyll a uncorrected (ug/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.093846
Std Dev	Sigma	2.04396

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.23434575	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.91482252	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	5.58869864	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.30000	-2.66112
5.0	0.50000	-1.26817
10.0	0.60000	-0.52559
25.0	0.80000	0.71522
50.0	1.30000	2.09385
75.0	3.10000	3.47248
90.0	3.10000	4.71329
95.0	4.60000	5.45586
99.0	11.70000	6.84881

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

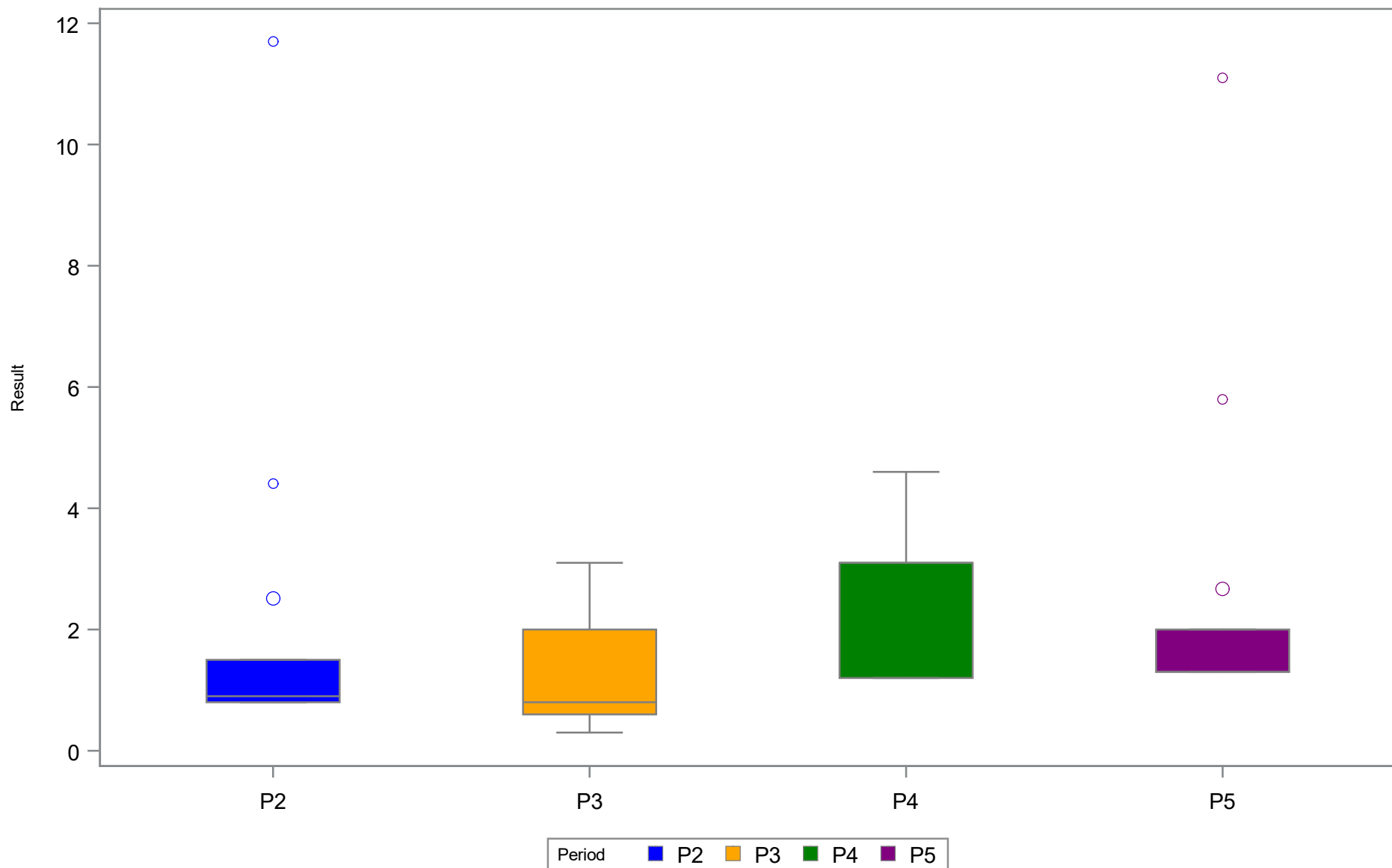
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Chlorophyll a uncorrected (ug/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	9	0.80	0.80	2.51	0.90	1.50	11.70
P3	25	0.30	0.60	1.33	0.80	2.00	3.10
P4	19	1.20	1.20	2.54	3.10	3.10	4.60
P5	12	1.30	1.30	2.67	1.30	2.00	11.10

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

DRAFT

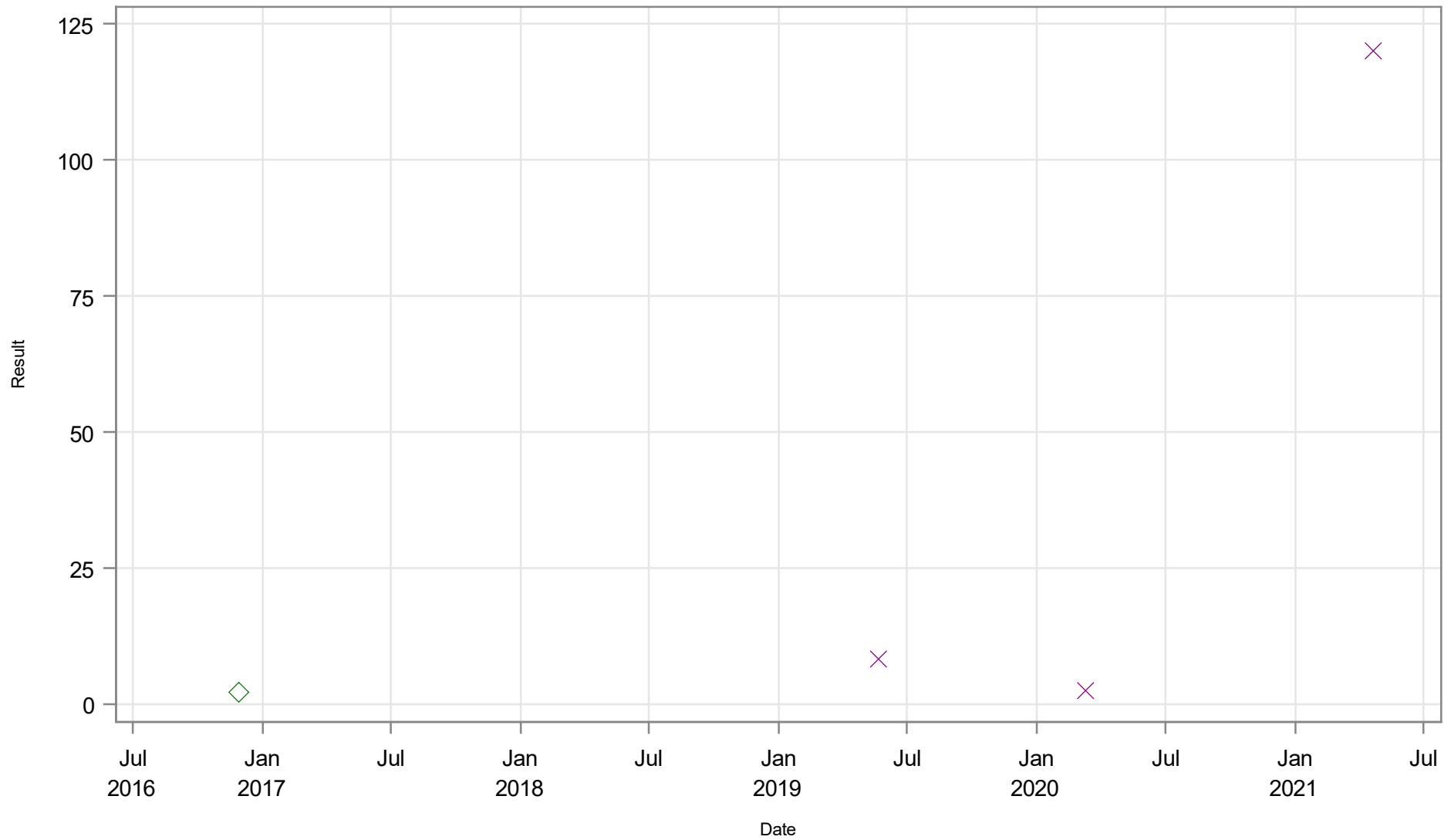
Boxplot by MFL Period for Sulphur Springs Run Surface Chlorophyll a uncorrected (ug/l)



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

DRAFT

Timeseries of Moris Bridge Sink Surface Chlorophyll a (ug/l)



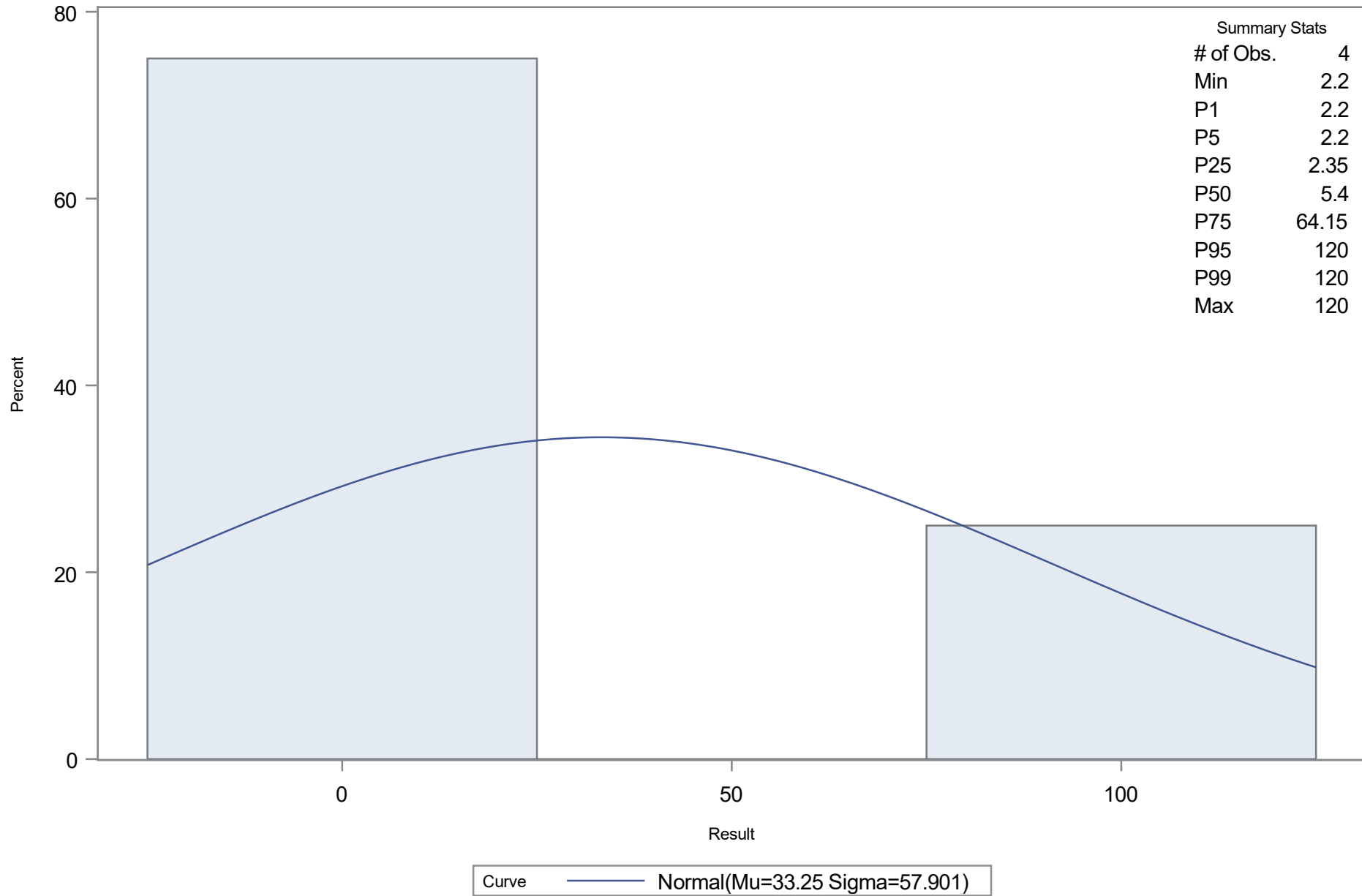
Period ◇ P4 × P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Chlorophyll a (ug/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Chlorophyll a (ug/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	33.25
Std Dev	Sigma	57.90144

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.41673115	Pr > D	0.015
Cramer-von Mises	W-Sq	0.14448173	Pr > W-Sq	0.018
Anderson-Darling	A-Sq	0.74348163	Pr > A-Sq	0.014

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.20000	-101.44889
5.0	2.20000	-61.98939
10.0	2.20000	-40.95368
25.0	2.35000	-5.80393
50.0	5.40000	33.25000
75.0	64.15000	72.30393
90.0	120.00000	107.45368
95.0	120.00000	128.48939
99.0	120.00000	167.94889

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

DRAFT

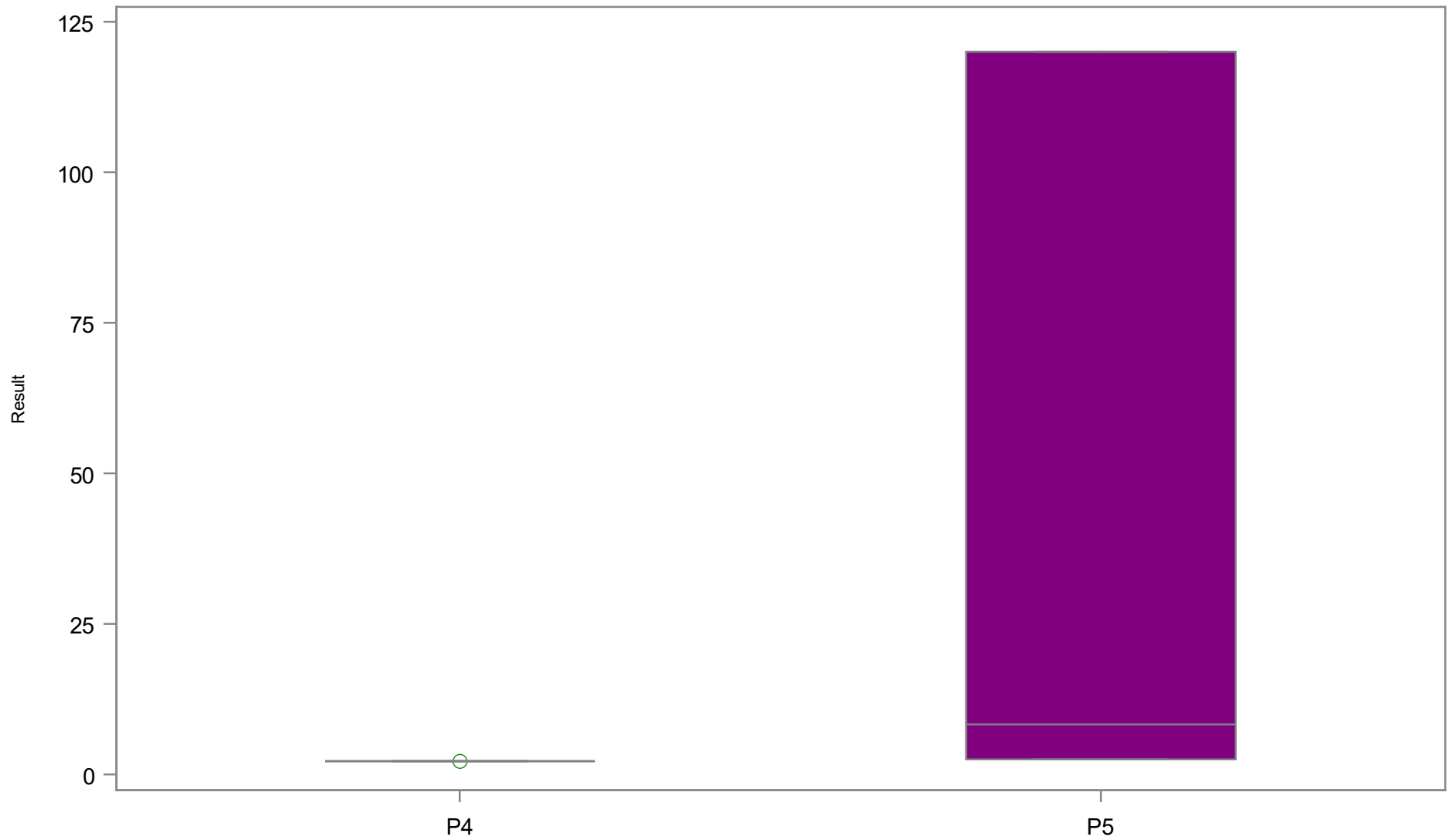
Distributional Statistics by Period for Moris Bridge Sink Surface Chlorophyll a (ug/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	1	2.20	2.20	2.20	2.20	2.20	2.20
P5	3	2.50	2.50	43.60	8.30	120.00	120.00

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Chlorophyll a (ug/l)

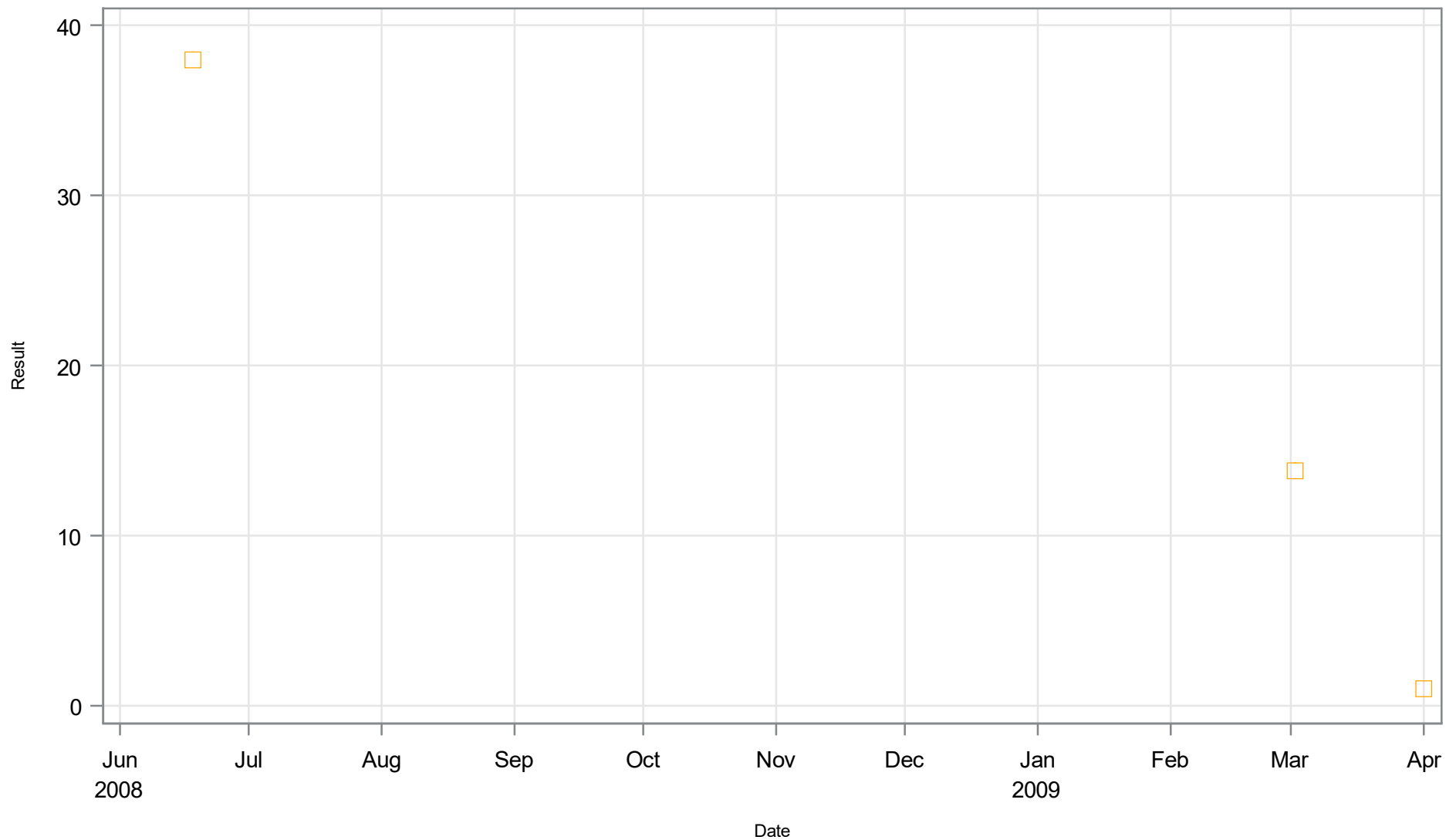


Period ■ P4 ■ P5

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

DRAFT

Timeseries of Surface Chlorophyll (Total) (ug/l)



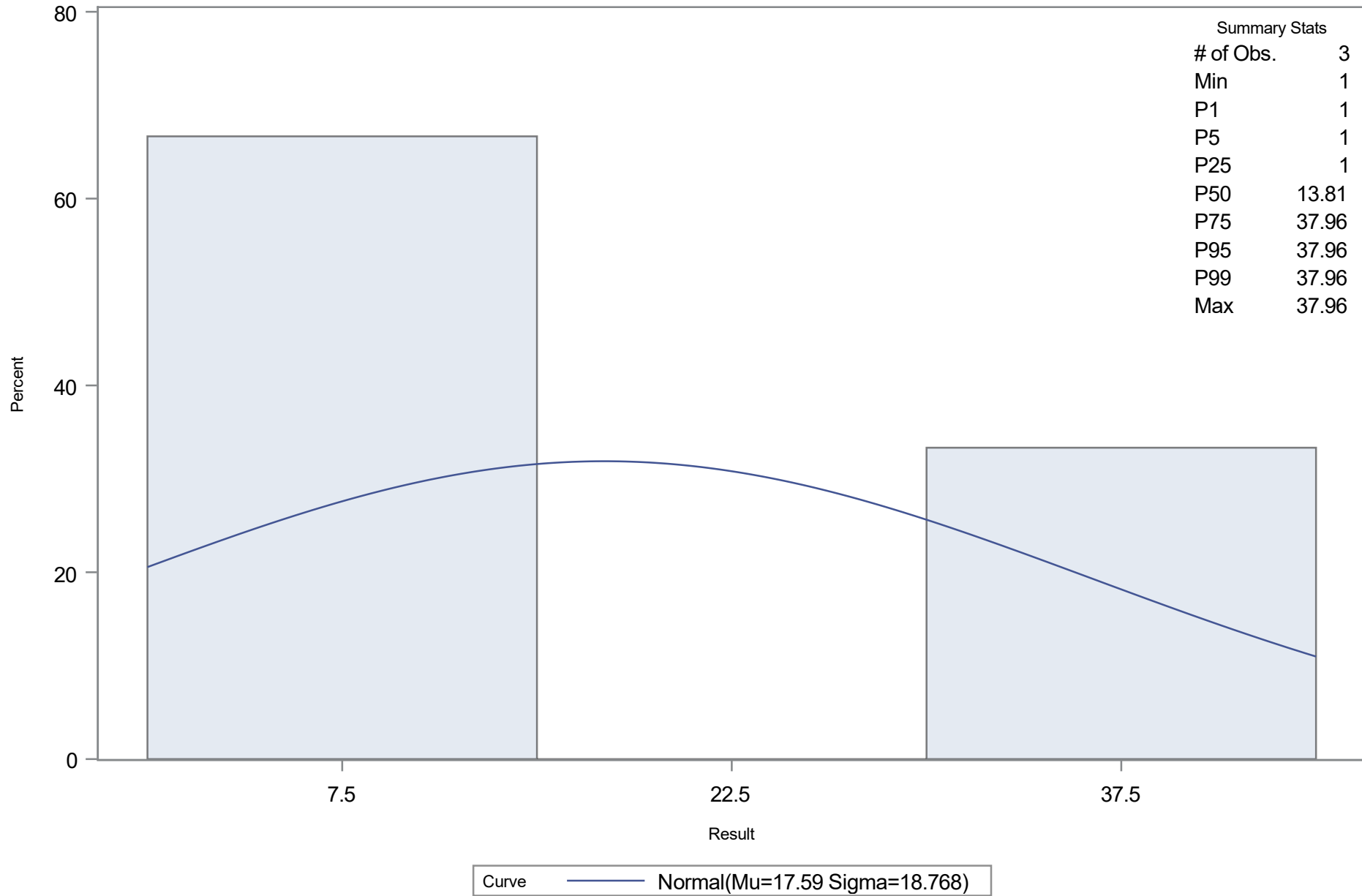
Period P3

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

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Chlorophyll (Total) (ug/l)

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		
Percent	Quantile	
	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

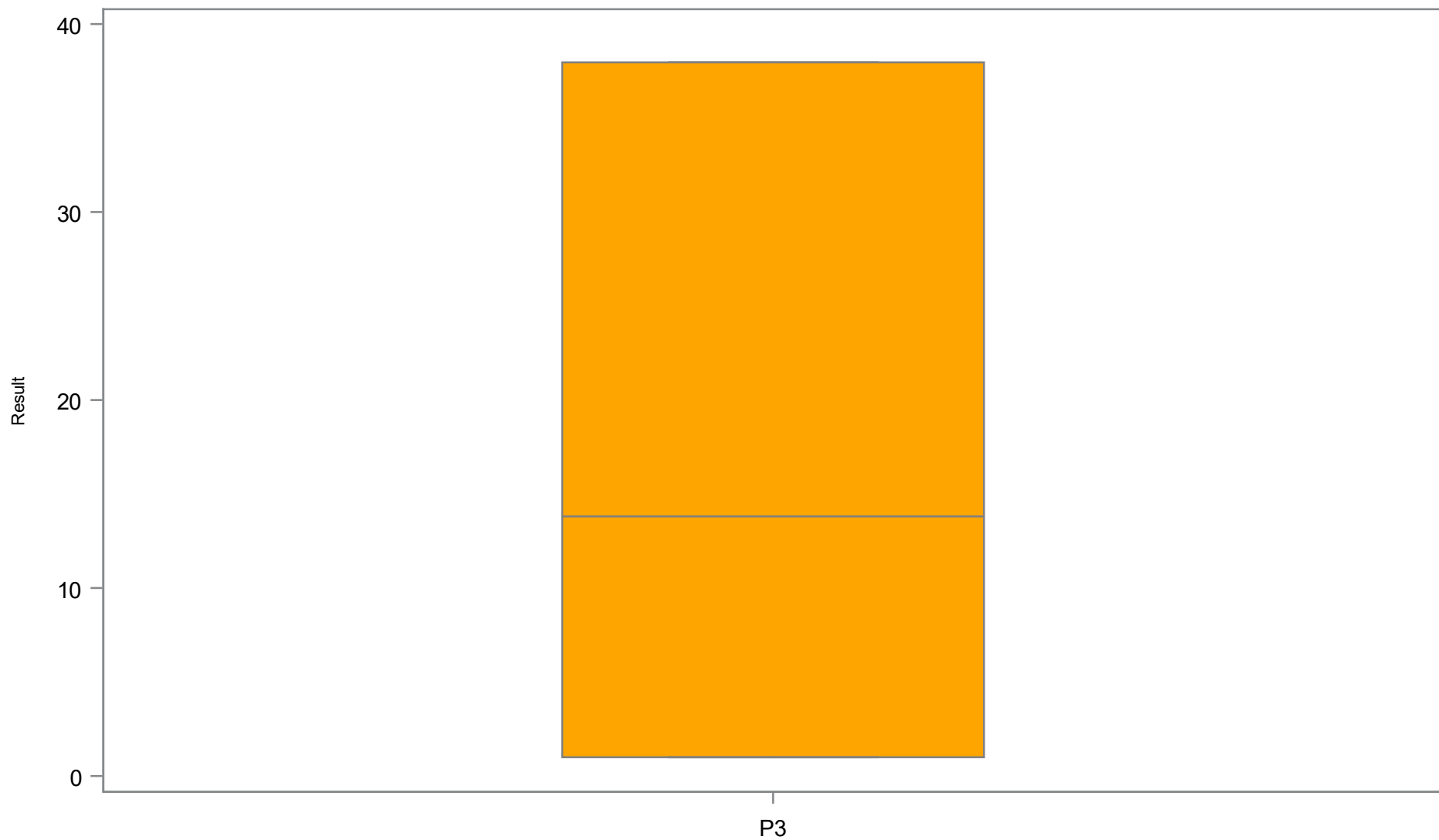
Distributional Statistics by Period for Surface Chlorophyll (Total) (ug/l)

	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)

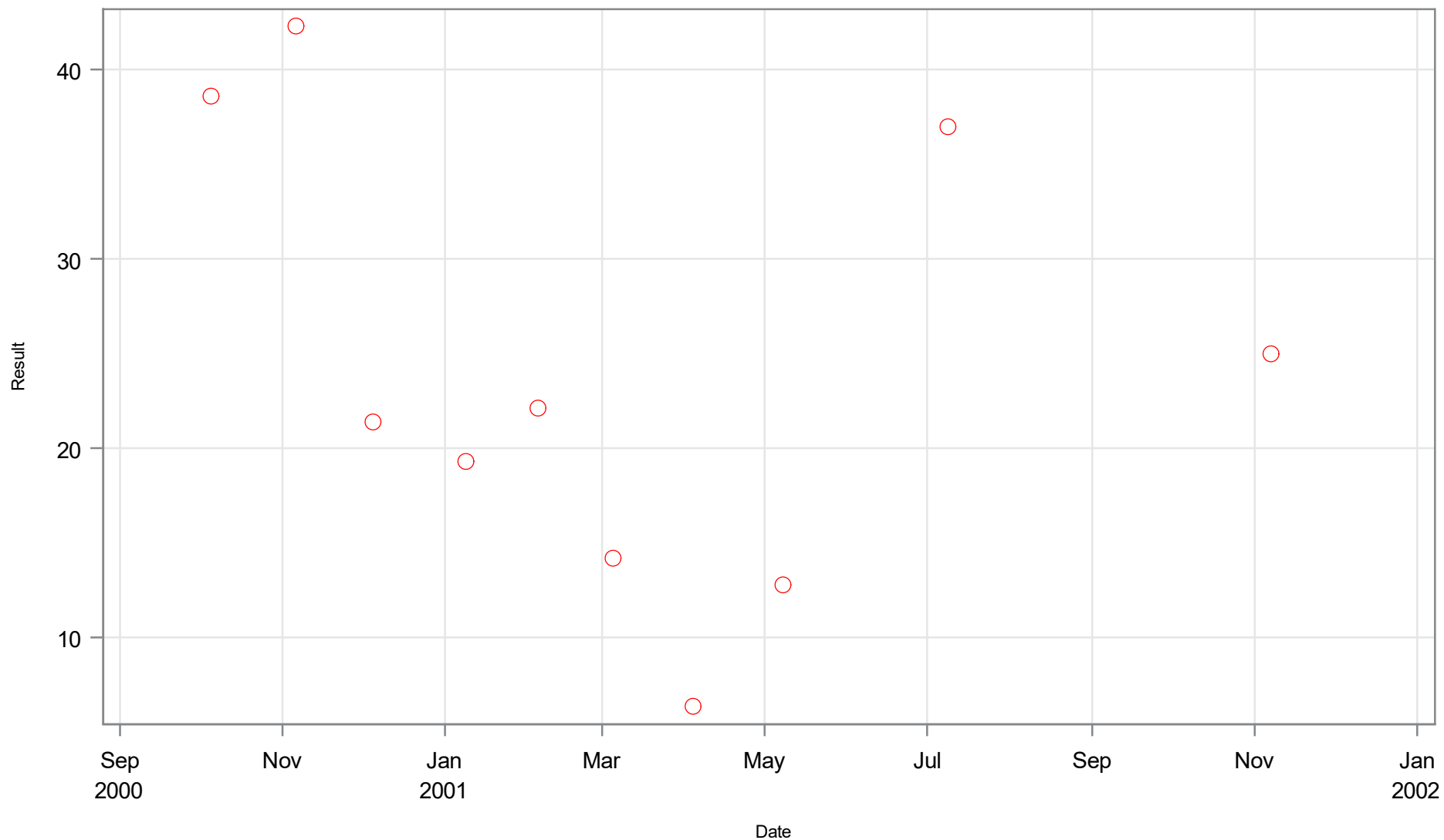


Period ■ P3

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

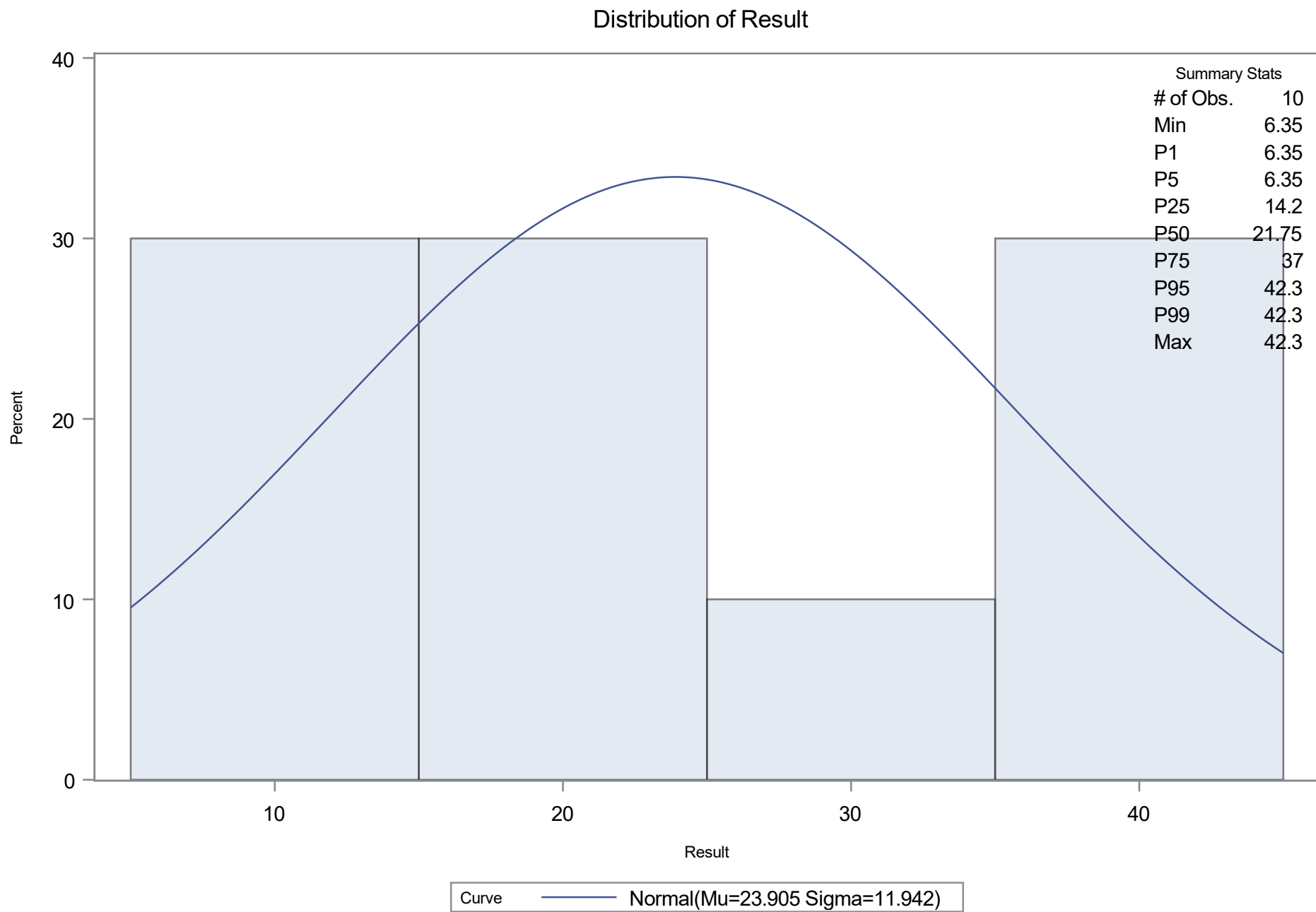
DRAFT

Timeseries of Hillsborough River Reservoir Bottom Chlorophyll a uncorrected (ug/l)



Period ○ P1

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



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

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		
Percent	Quantile	
	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

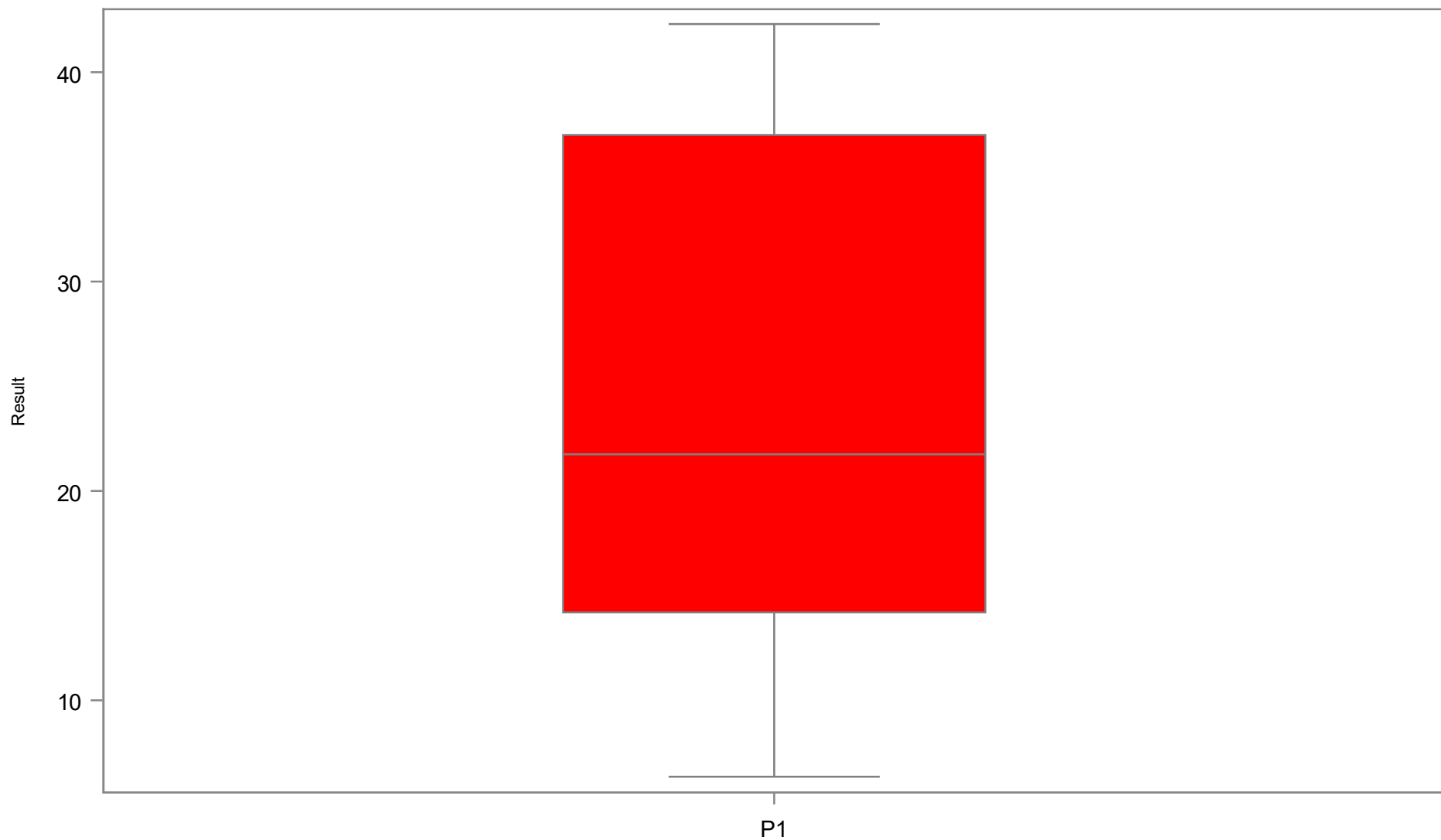
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Chlorophyll a uncorrected (ug/l)

	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 Hillsborough River Reservoir Bottom Chlorophyll a uncorrected (ug/l)

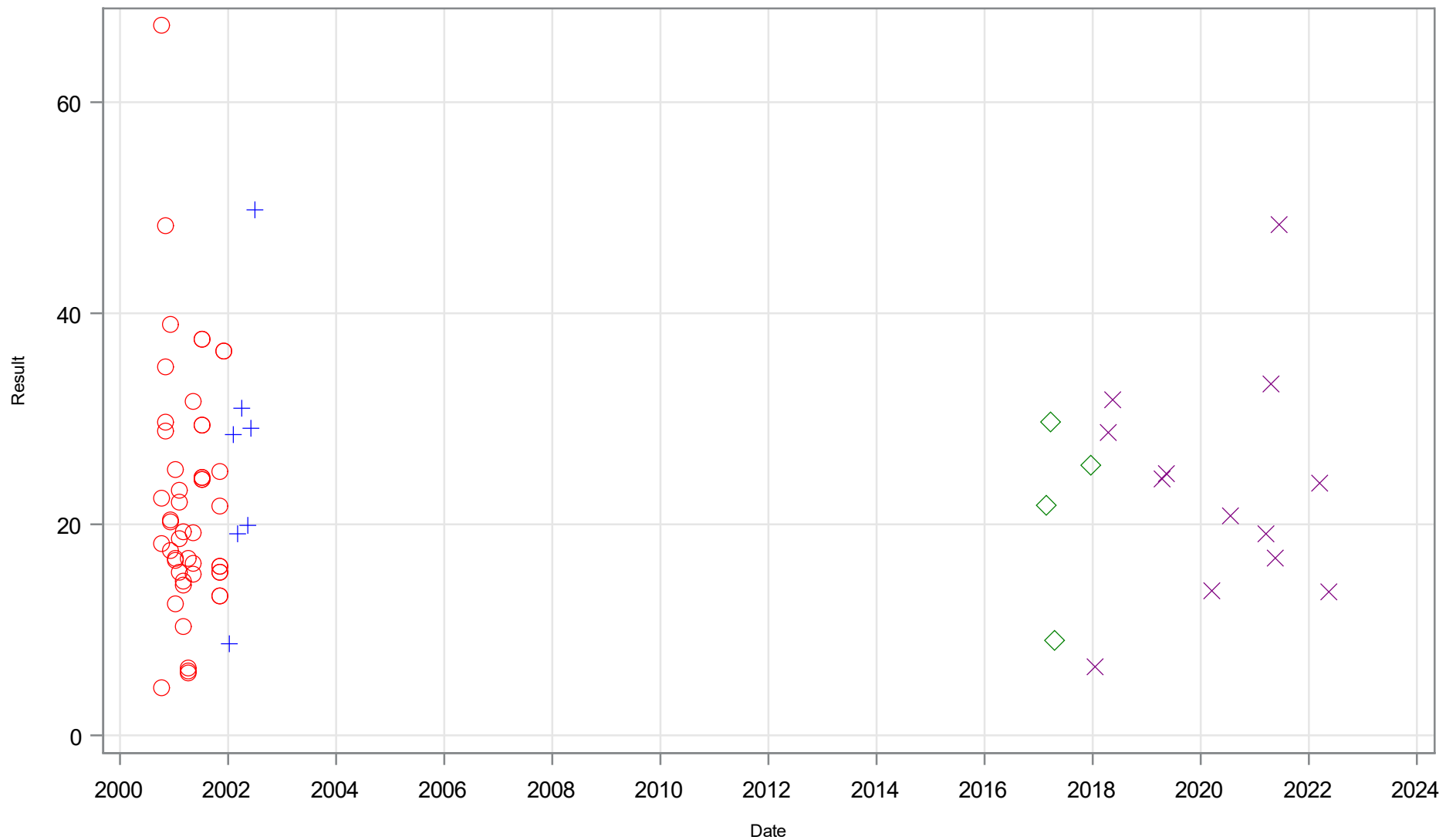


Period ■ P1

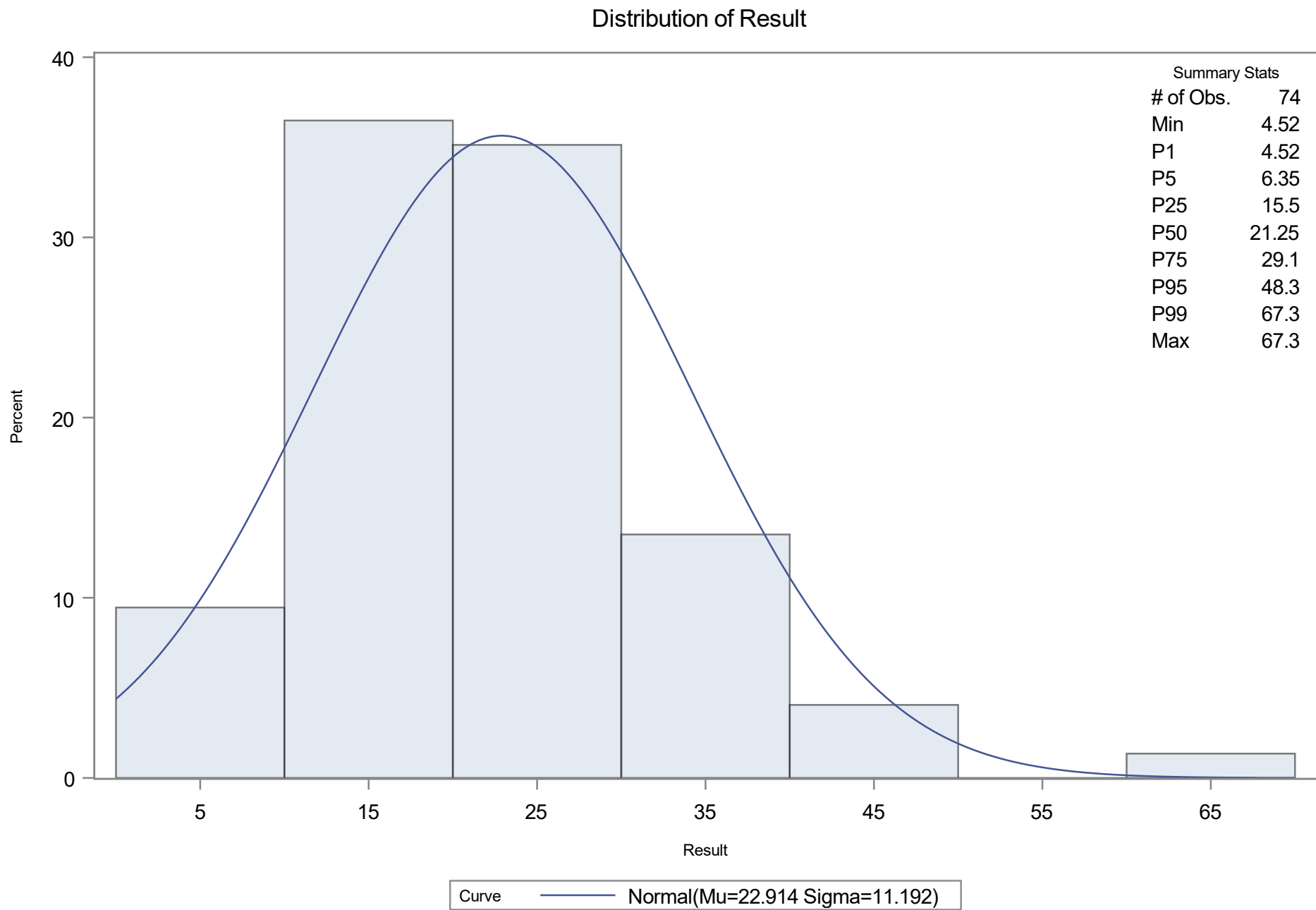
Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Timeseries of Hillsborough River Reservoir Surface Chlorophyll a uncorrected (ug/l)



Period ○ P1 + P2 ◇ P4 × P5
 Period of Record: January 1996 through December 2023
 Analysis Days Only



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	22.91392
Std Dev	Sigma	11.19185

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10826321	Pr > D	0.031
Cramer-von Mises	W-Sq	0.17410828	Pr > W-Sq	0.011
Anderson-Darling	A-Sq	1.11493827	Pr > A-Sq	0.006

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	4.52000	-3.12223
5.0	6.35000	4.50496
10.0	10.30000	8.57098
25.0	15.50000	15.36513
50.0	21.25000	22.91392
75.0	29.10000	30.46271
90.0	36.40000	37.25686
95.0	48.30000	41.32288
99.0	67.30000	48.95007

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

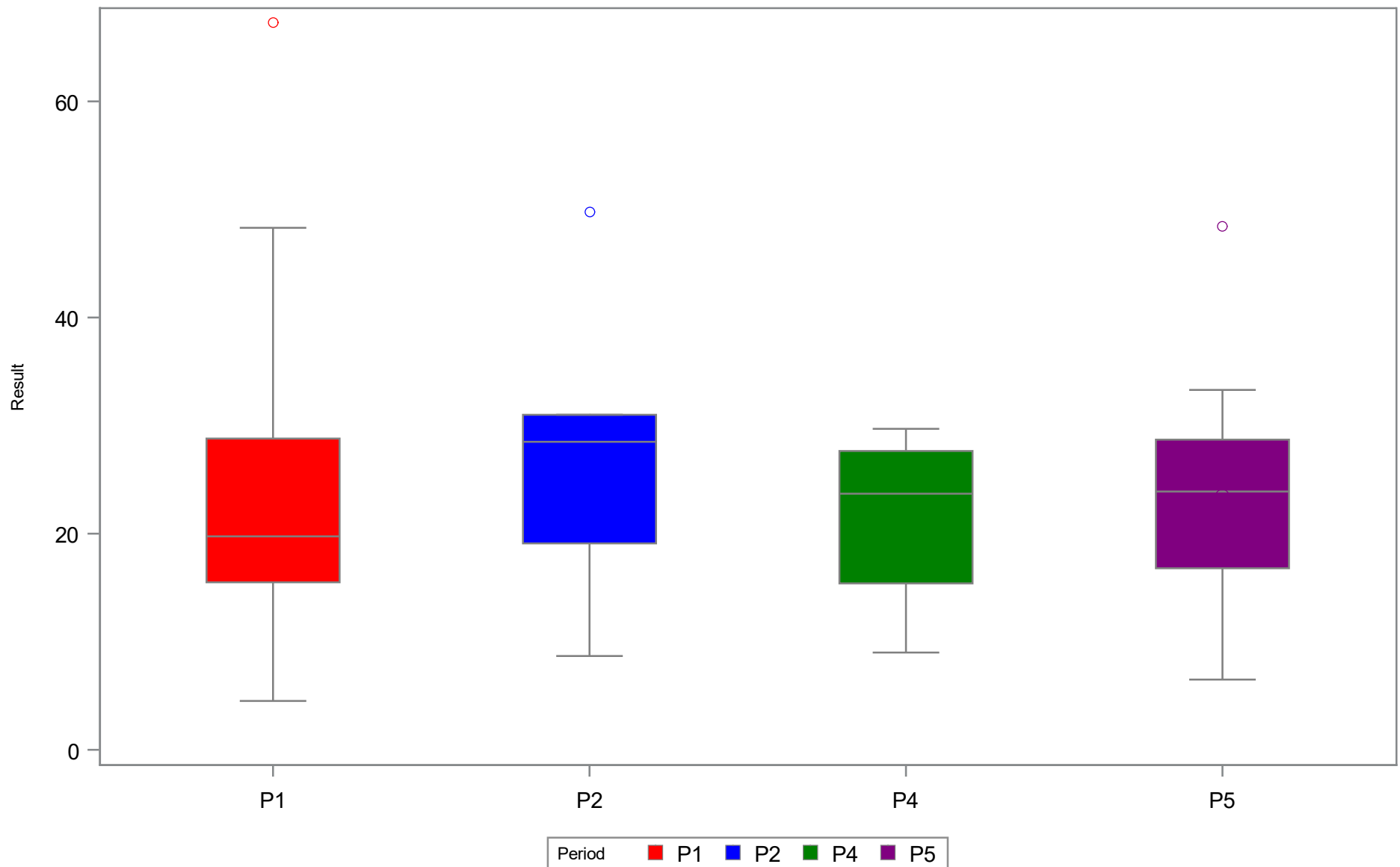
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Chlorophyll a uncorrected (ug/l)

	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	4	9.00	15.40	21.53	23.70	27.65	29.70
P5	13	6.50	16.80	23.52	23.90	28.70	48.40

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

DRAFT

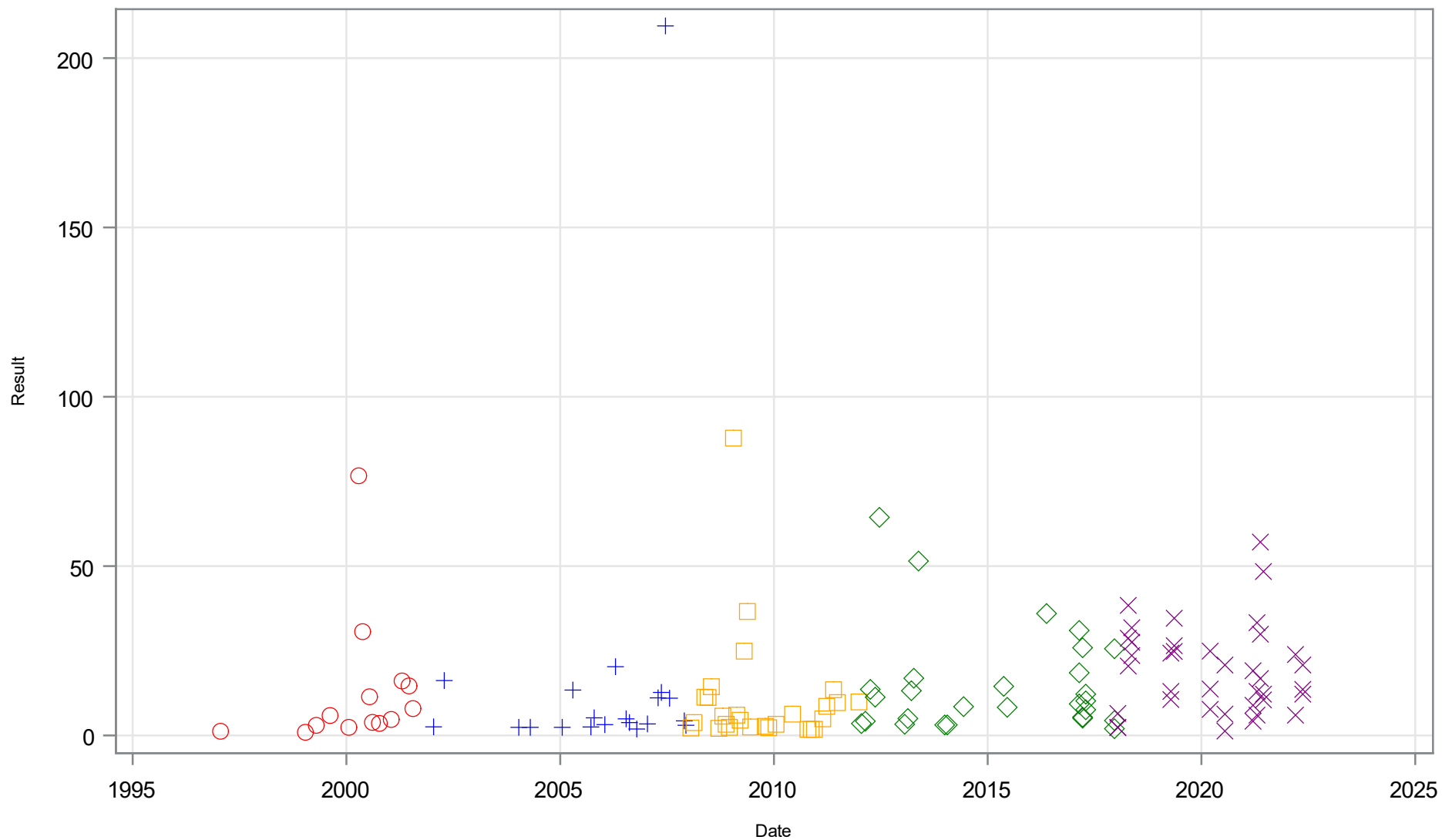
Boxplot by MFL Period for Hillsborough River Reservoir Surface Chlorophyll a uncorrected (ug/l)



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

DRAFT

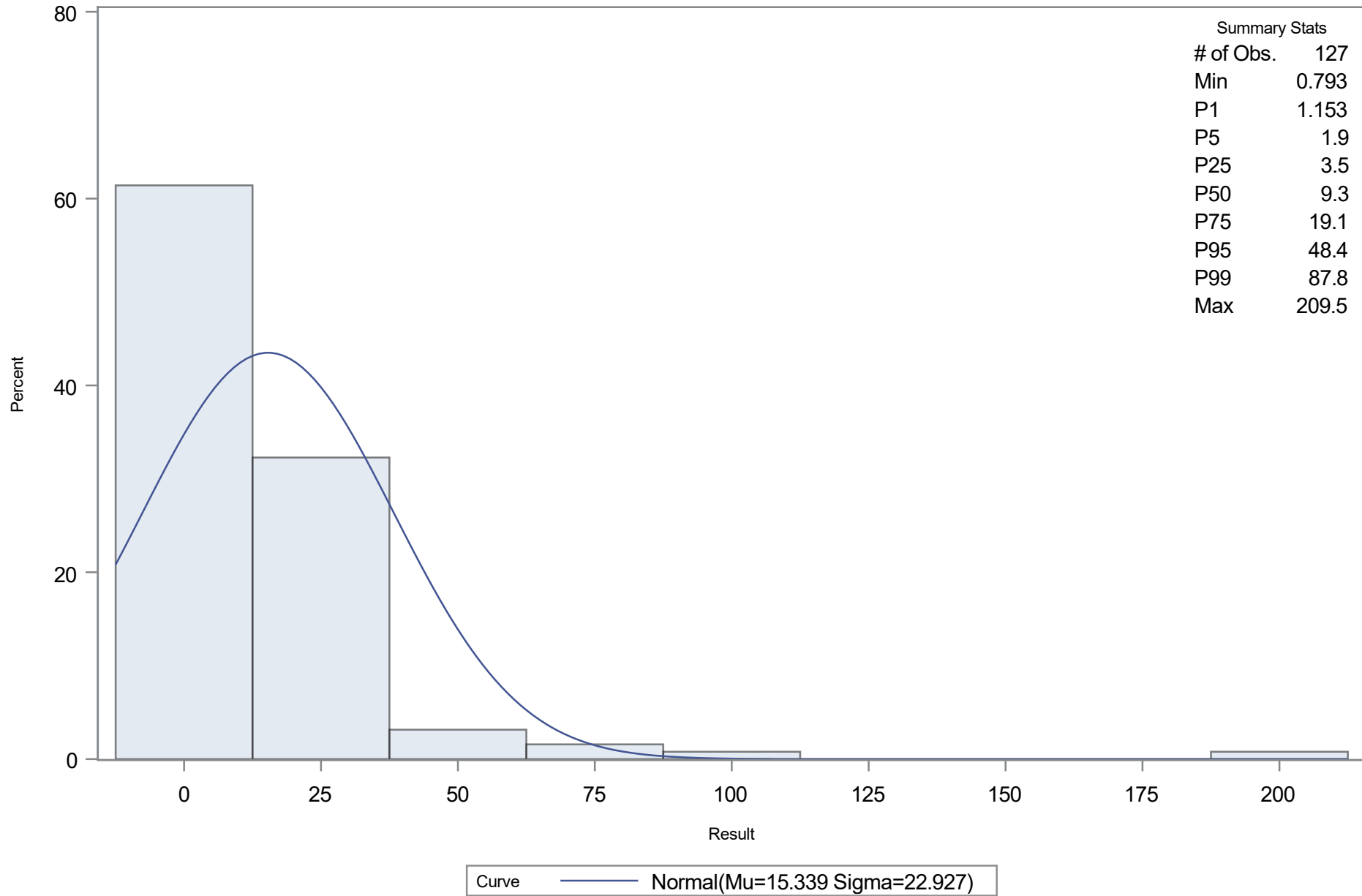
Timeseries of Upper Hillsborough River Surface Chlorophyll a uncorrected (ug/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	15.33851
Std Dev	Sigma	22.92684

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2628996	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.5651400	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	14.0082607	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.15300	-37.99730
5.0	1.90000	-22.37279
10.0	2.40000	-14.04342
25.0	3.50000	-0.12541
50.0	9.30000	15.33851
75.0	19.10000	30.80243
90.0	31.80000	44.72044
95.0	48.40000	53.04981
99.0	87.80000	68.67432

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

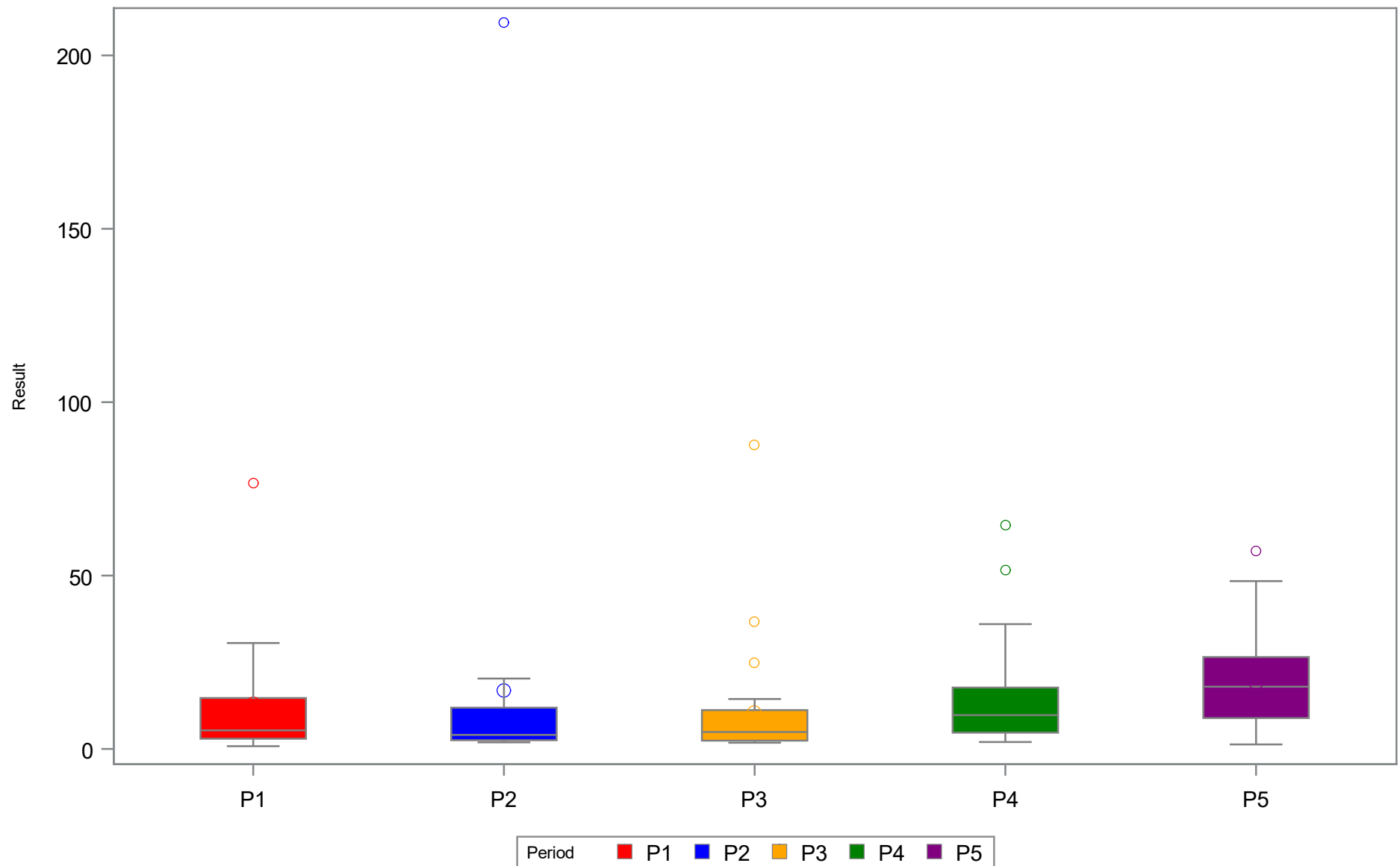
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Chlorophyll a uncorrected (ug/l)

	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	27	1.80	2.40	10.57	4.90	11.20	87.80
P4	28	2.00	4.70	14.91	9.75	17.70	64.40
P5	38	1.30	8.90	19.11	17.95	26.50	57.10

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

DRAFT

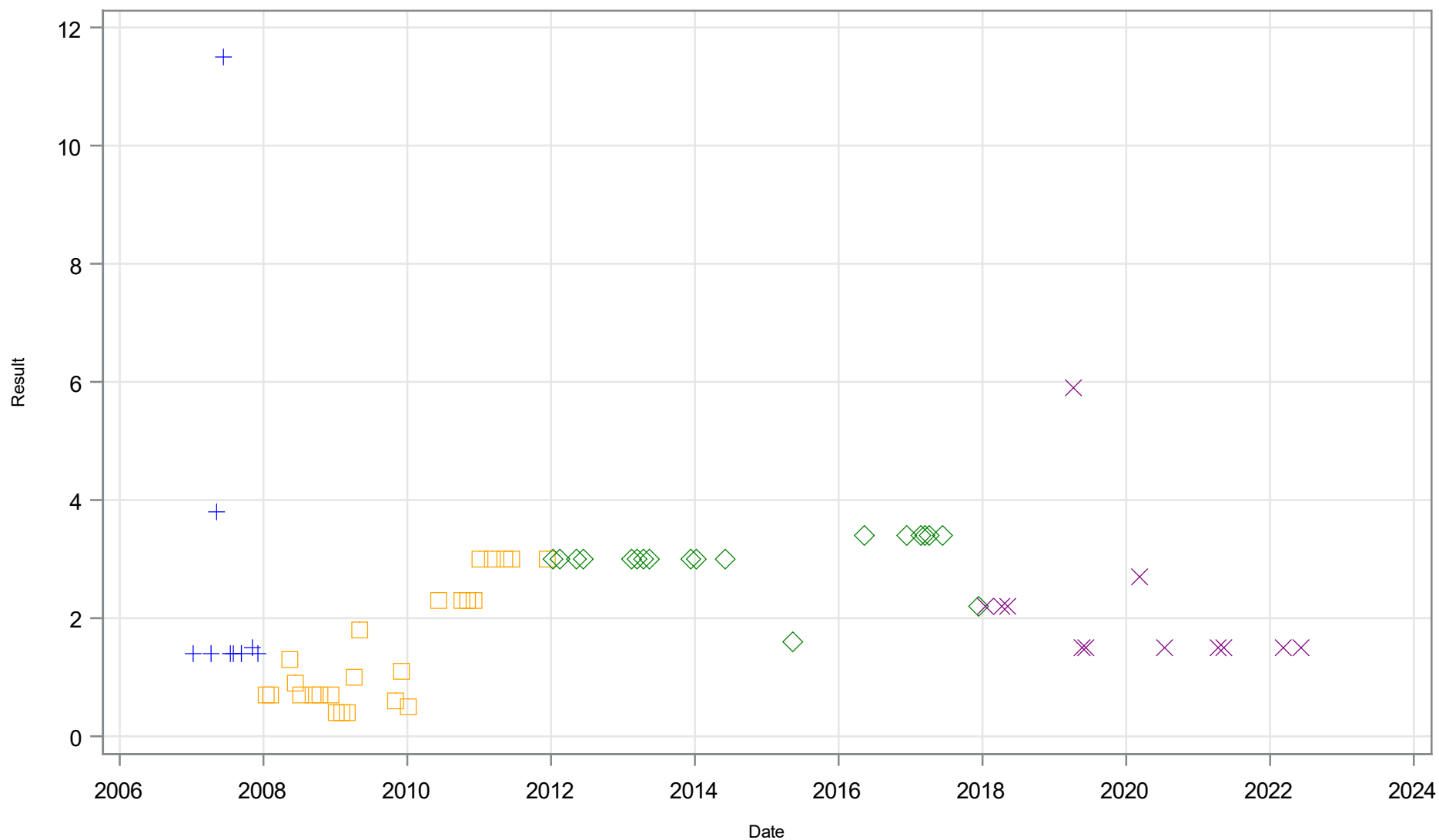
Boxplot by MFL Period for Upper Hillsborough River Surface Chlorophyll a uncorrected (ug/l)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Chlorophyll a corrected (ug/l)

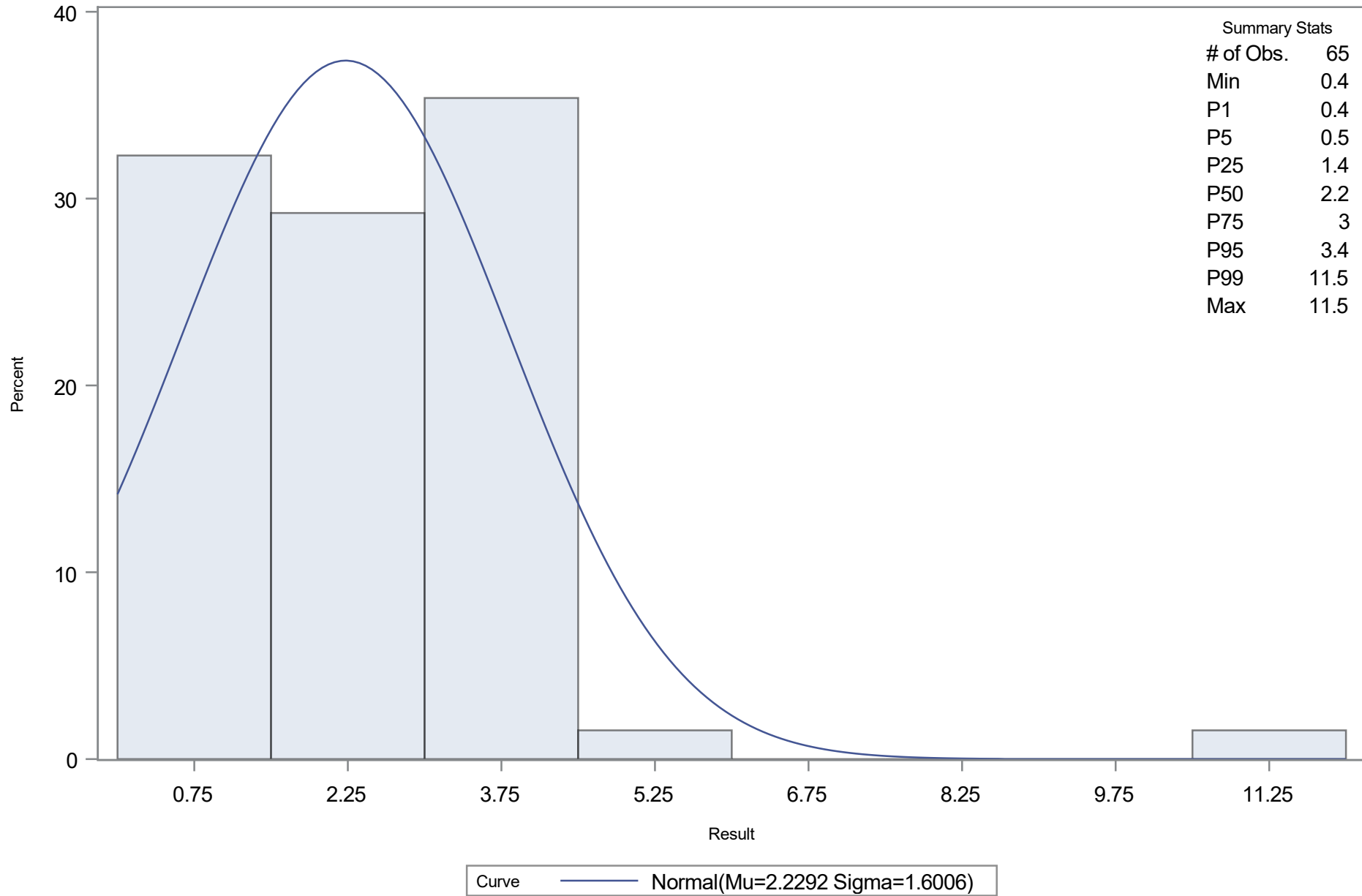


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Chlorophyll a corrected (ug/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.229231
Std Dev	Sigma	1.600559

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18609060	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.41330231	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.98720426	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.40000	-1.49423
5.0	0.50000	-0.40345
10.0	0.70000	0.17803
25.0	1.40000	1.14967
50.0	2.20000	2.22923
75.0	3.00000	3.30879
90.0	3.40000	4.28043
95.0	3.40000	4.86192
99.0	11.50000	5.95269

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

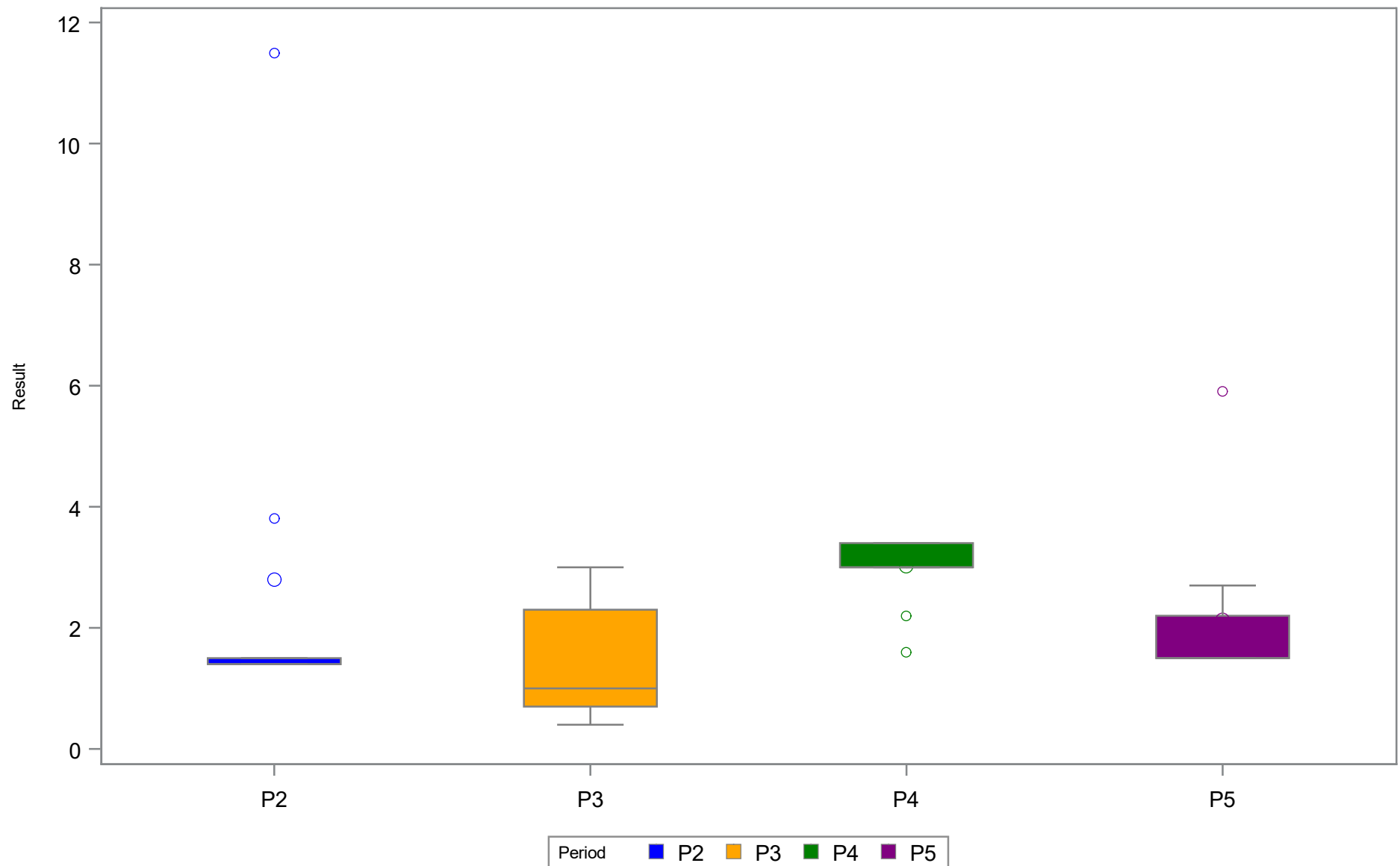
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Chlorophyll a corrected (ug/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	9	1.40	1.40	2.80	1.40	1.50	11.50
P3	25	0.40	0.70	1.47	1.00	2.30	3.00
P4	19	1.60	3.00	3.01	3.00	3.40	3.40
P5	12	1.50	1.50	2.14	1.50	2.20	5.90

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

DRAFT

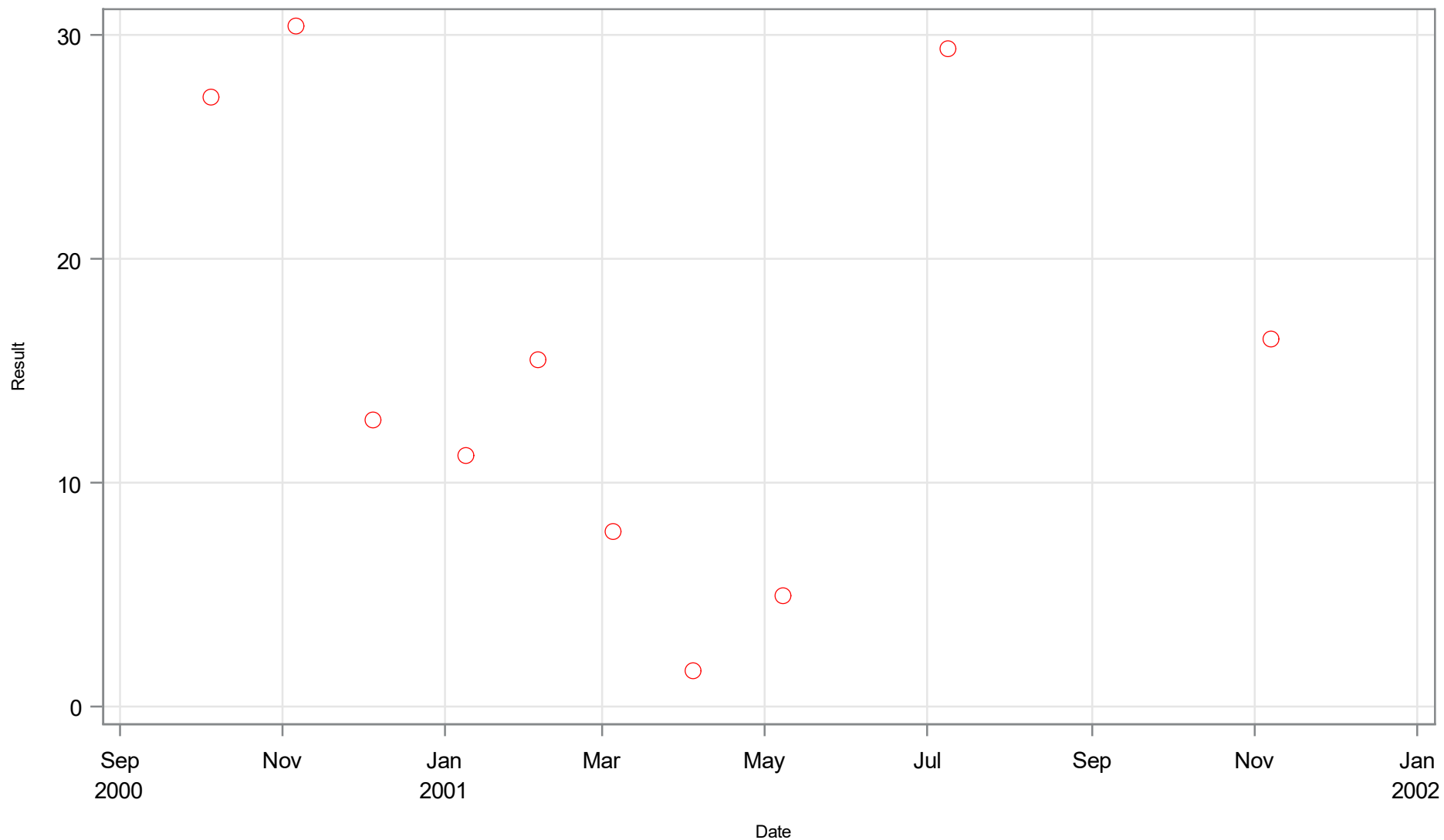
Boxplot by MFL Period for Sulphur Springs Run Surface Chlorophyll a corrected (ug/l)



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

DRAFT

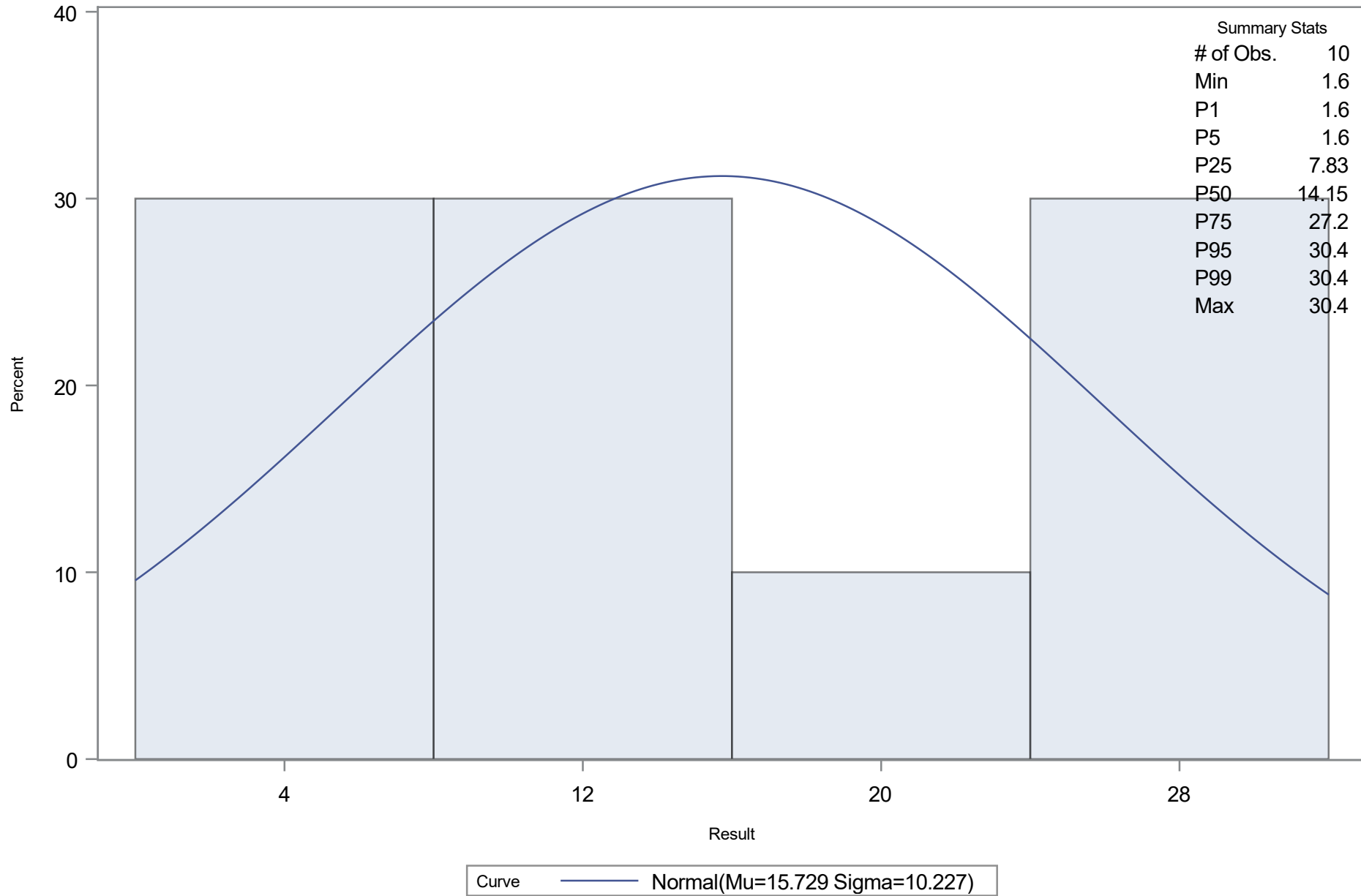
Timeseries of Hillsborough River Reservoir Bottom Chlorophyll a corrected (ug/l)



Period ○ P1

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

Distribution of Result



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

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		
Percent	Quantile	
	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

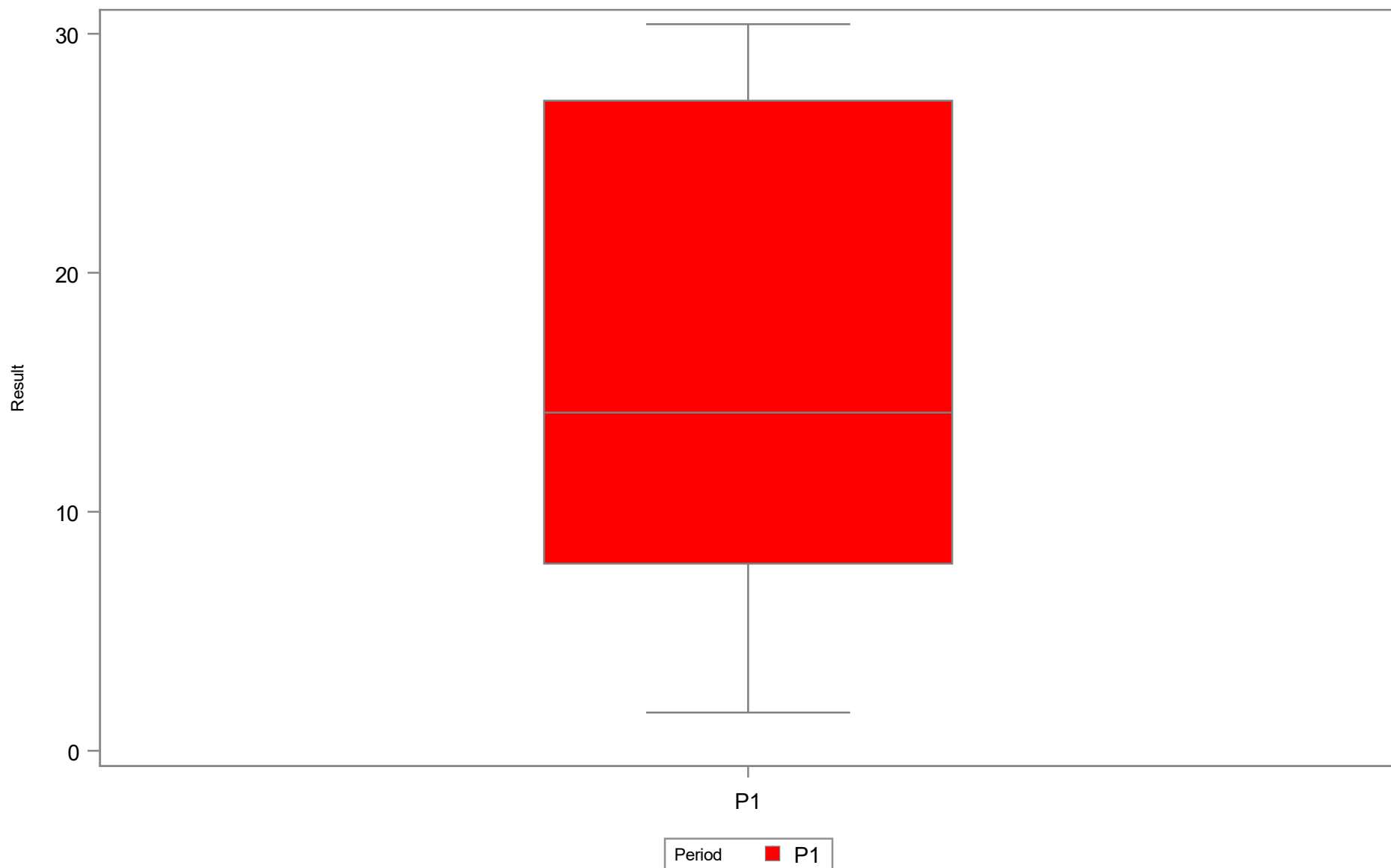
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Chlorophyll a corrected (ug/l)

	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

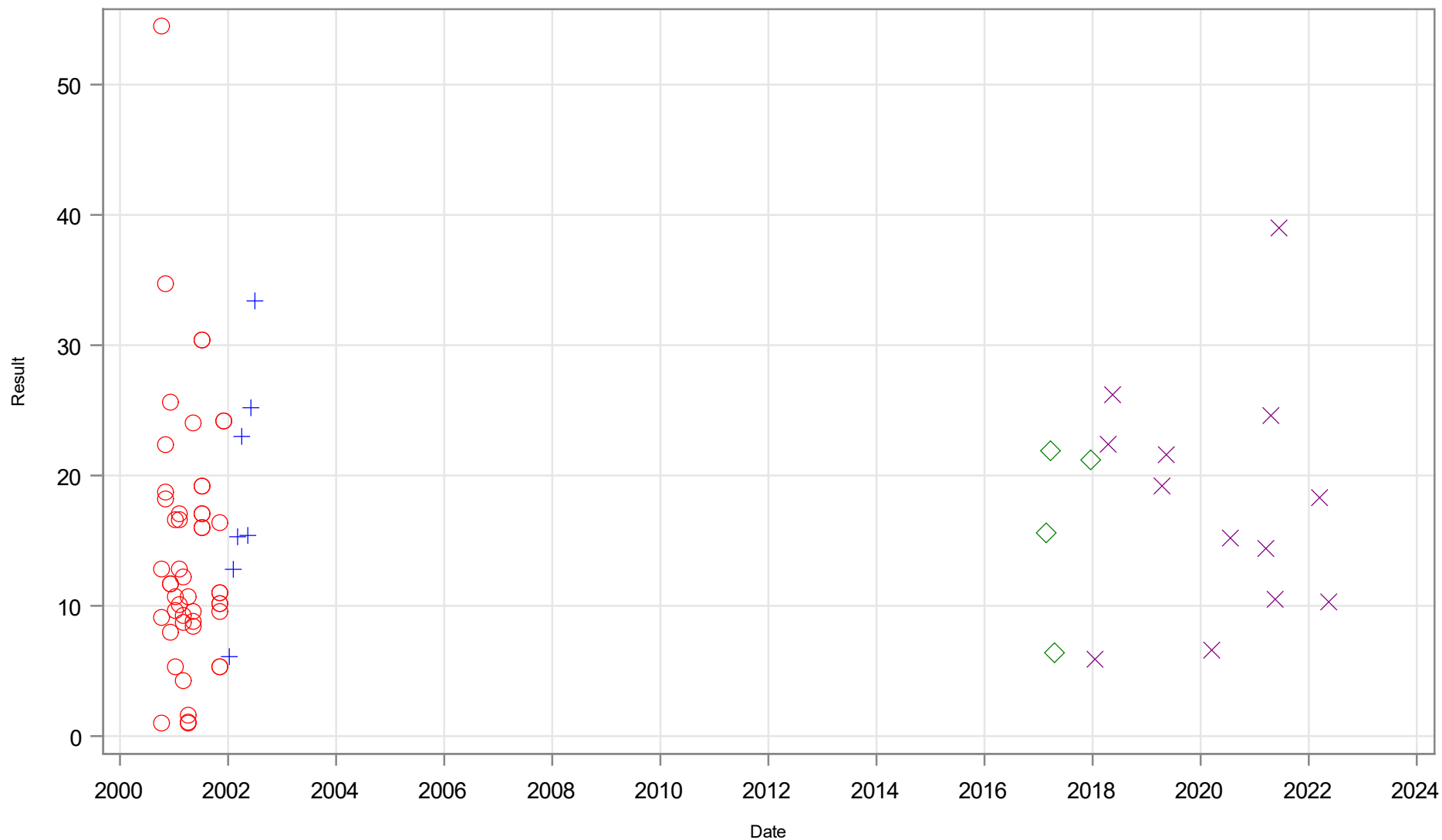
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Chlorophyll a corrected (ug/l)



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

DRAFT

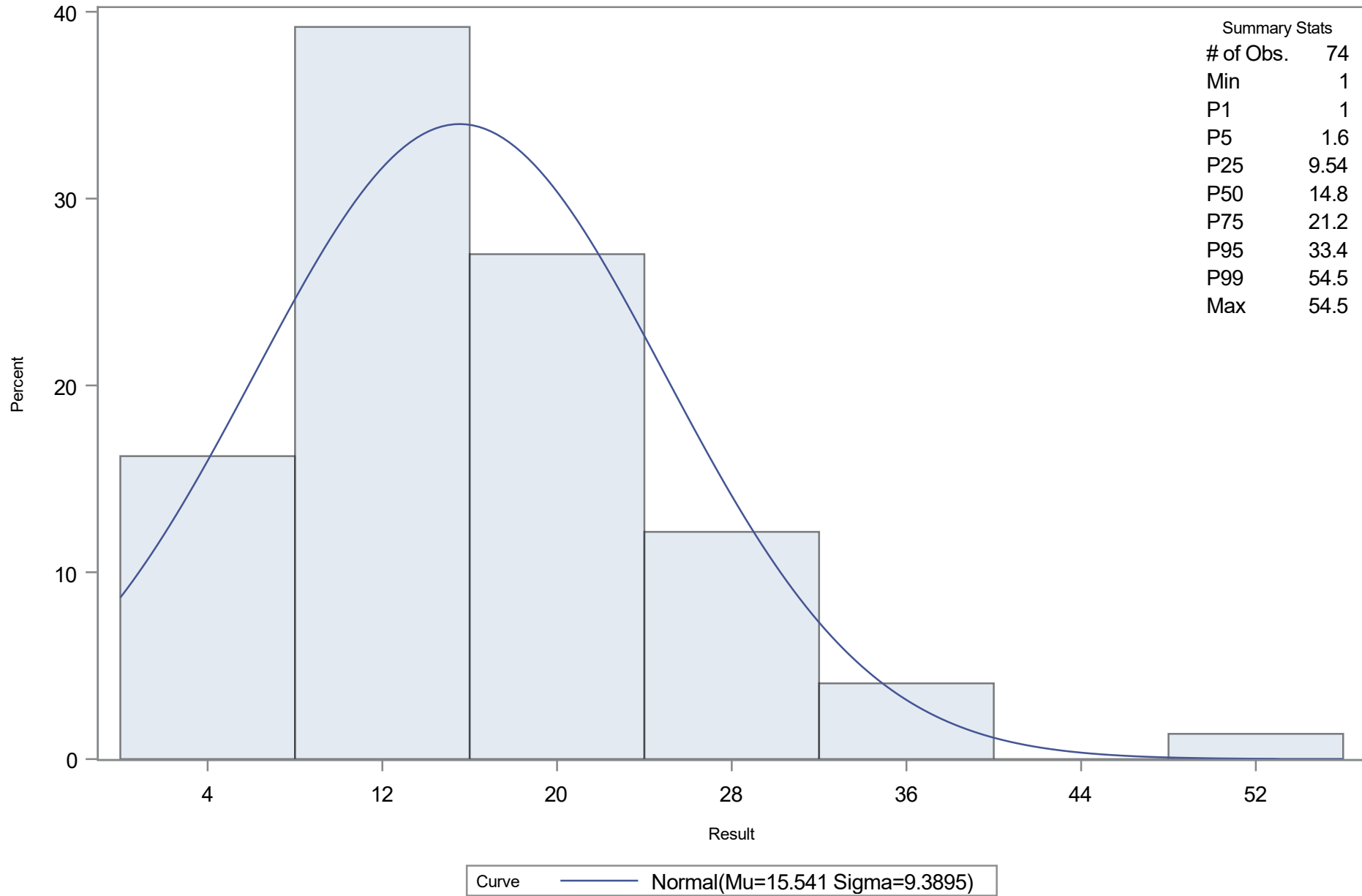
Timeseries of Hillsborough River Reservoir Surface Chlorophyll a corrected (ug/l)



Period ○ P1 + P2 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	15.54054
Std Dev	Sigma	9.389498

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10129460	Pr > D	0.060
Cramer-von Mises	W-Sq	0.17247894	Pr > W-Sq	0.012
Anderson-Darling	A-Sq	1.10115855	Pr > A-Sq	0.007

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-6.30270
5.0	1.60000	0.09619
10.0	5.34000	3.50741
25.0	9.54000	9.20742
50.0	14.80000	15.54054
75.0	21.20000	21.87366
90.0	25.60000	27.57367
95.0	33.40000	30.98489
99.0	54.50000	37.38378

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

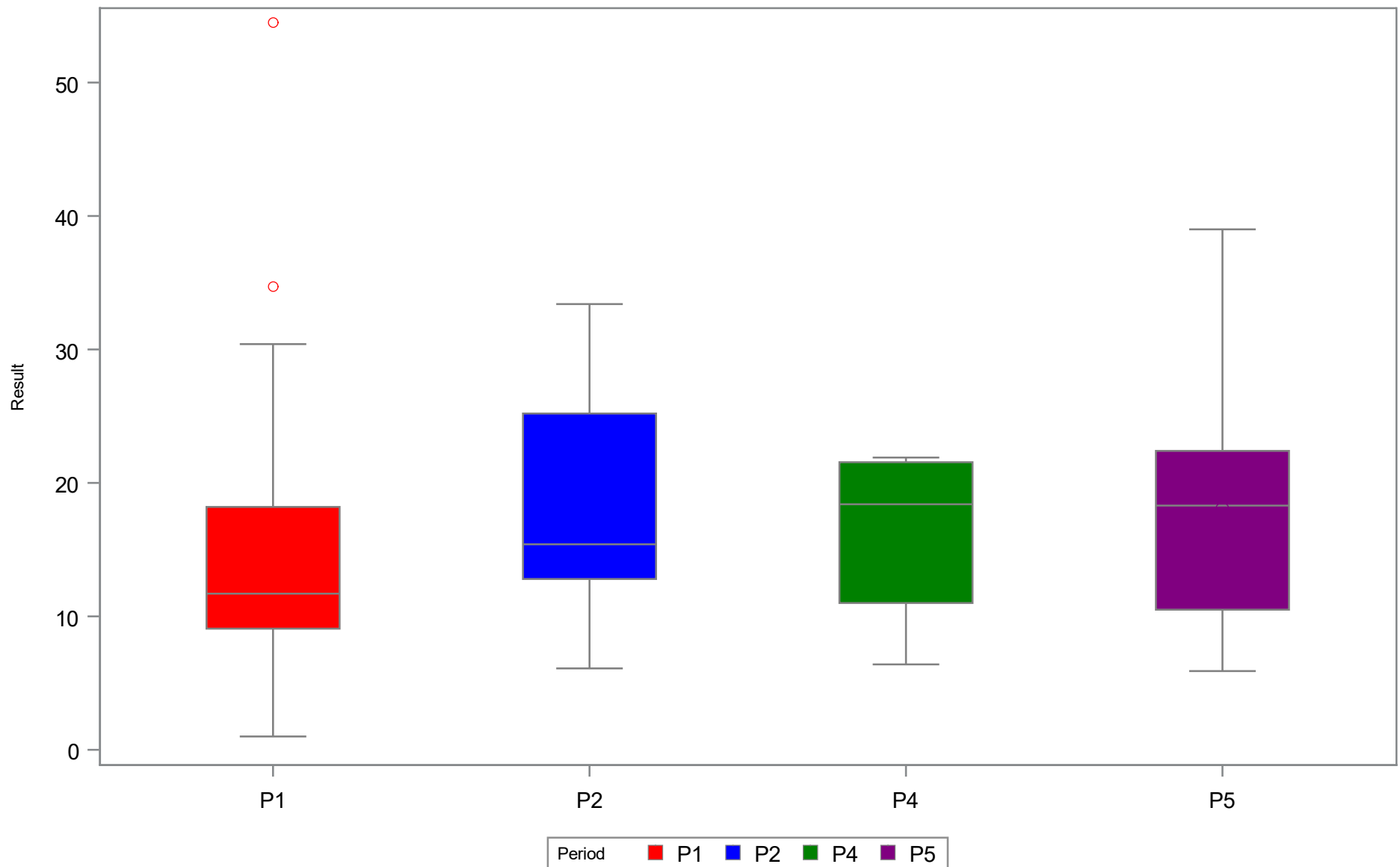
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Chlorophyll a corrected (ug/l)

	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	4	6.40	11.00	16.28	18.40	21.55	21.90
P5	13	5.90	10.50	18.02	18.30	22.40	39.00

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

DRAFT

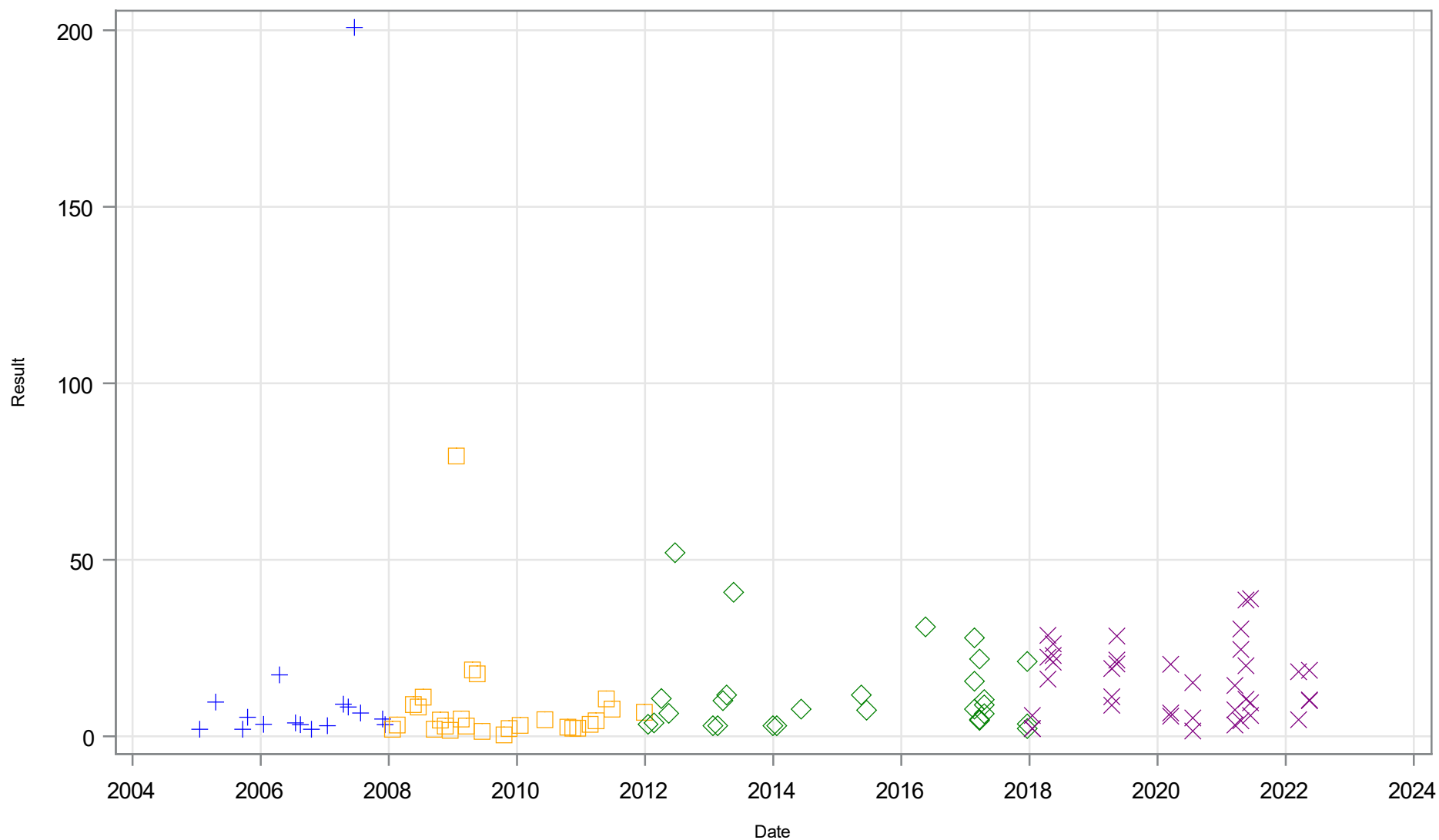
Boxplot by MFL Period for Hillsborough River Reservoir Surface Chlorophyll a corrected (ug/l)



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

DRAFT

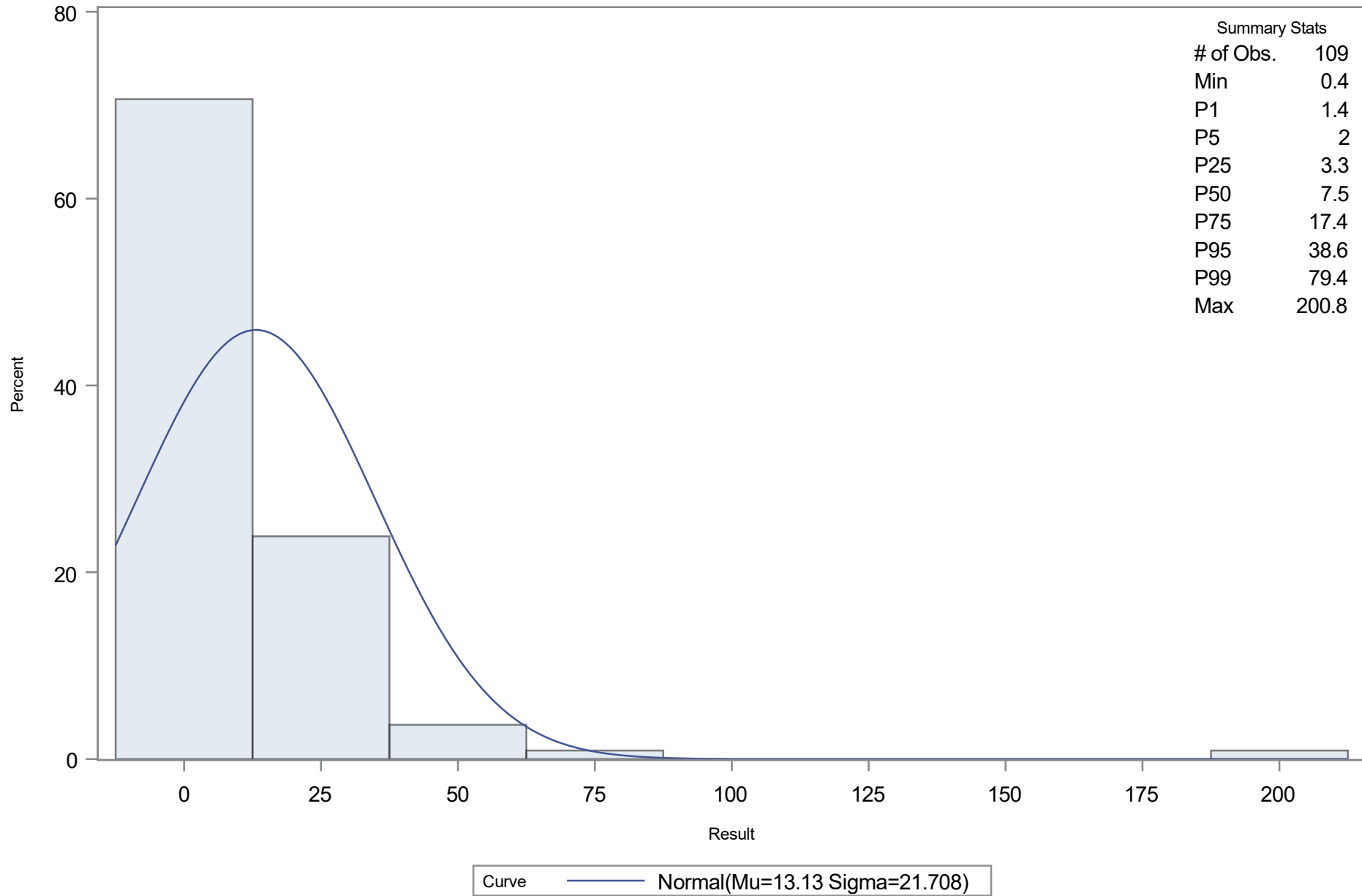
Timeseries of Upper Hillsborough River Surface Chlorophyll a corrected (ug/l)



Period + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	13.13028
Std Dev	Sigma	21.70751

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2852936	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.6330987	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	14.3122884	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.40000	-37.36894
5.0	2.00000	-22.57540
10.0	2.20000	-14.68901
25.0	3.30000	-1.51122
50.0	7.50000	13.13028
75.0	17.40000	27.77177
90.0	27.90000	40.94956
95.0	38.60000	48.83595
99.0	79.40000	63.62949

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

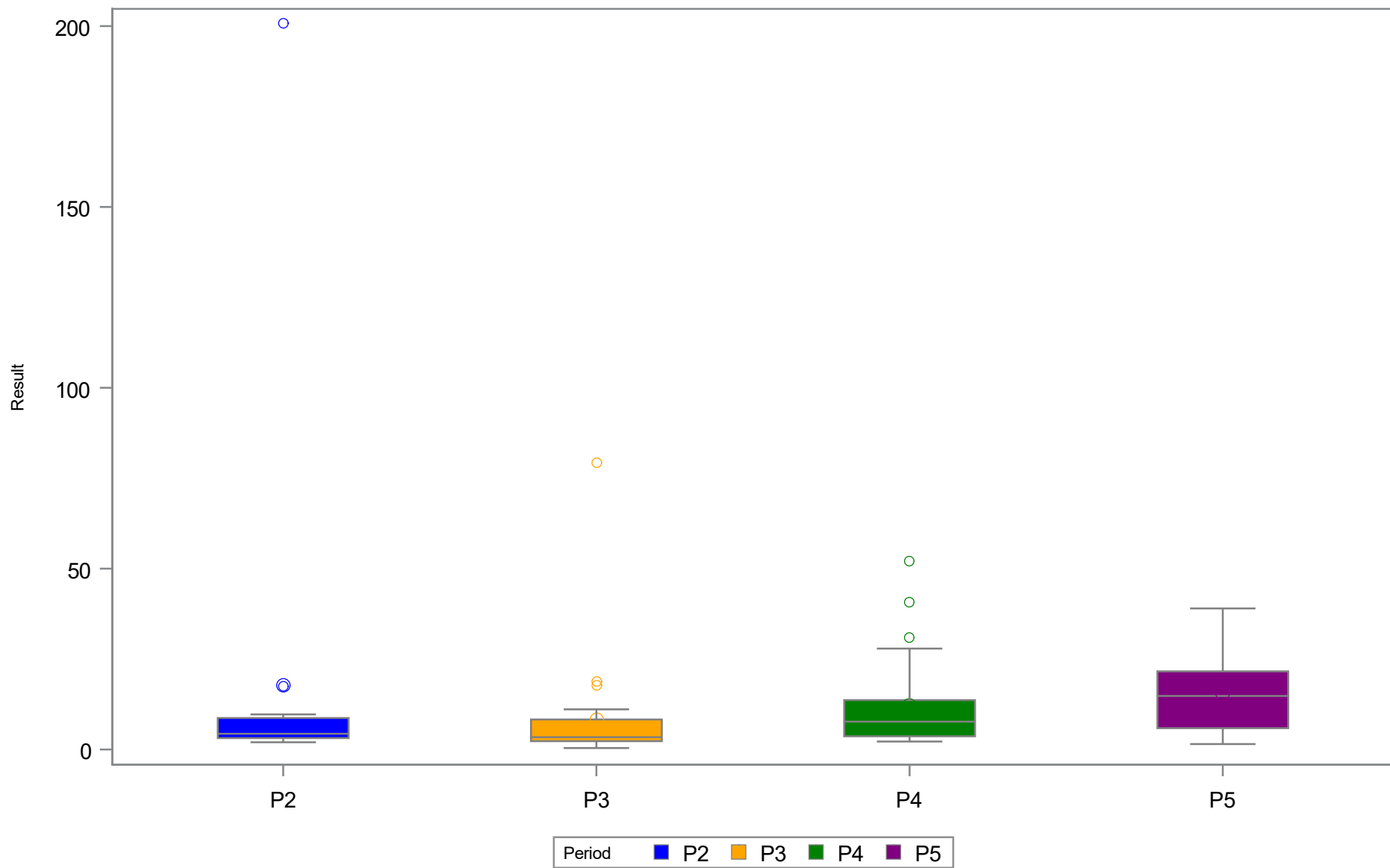
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Chlorophyll a corrected (ug/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	16	2.00	3.15	17.81	4.35	8.70	200.80
P3	27	0.40	2.30	8.16	3.40	8.30	79.40
P4	28	2.20	3.65	12.28	7.70	13.65	52.00
P5	38	1.50	5.90	15.32	14.80	21.60	39.00

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Chlorophyll a corrected (ug/l)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Color (pcu)

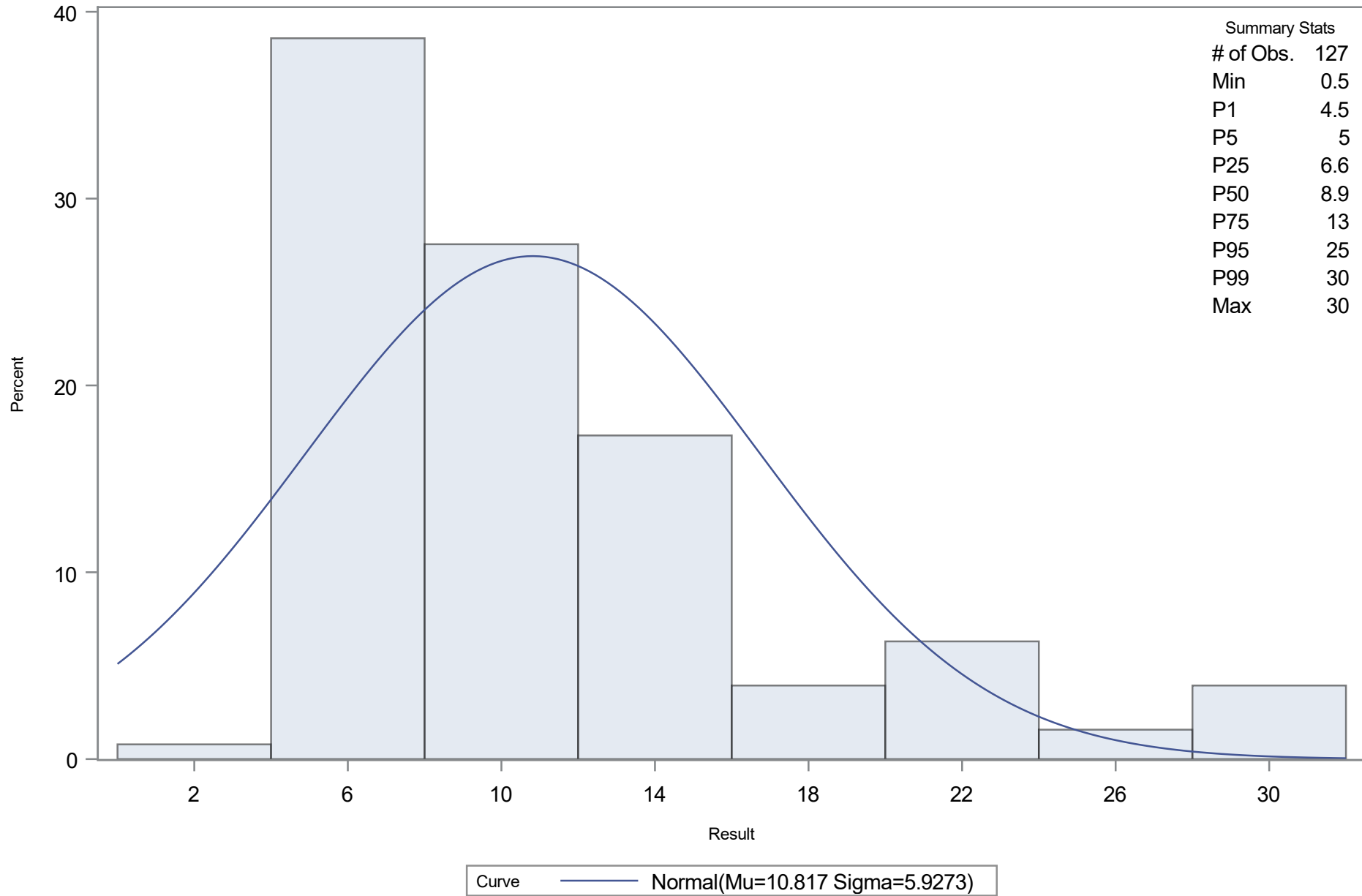


Period ○ P1 + P2 □ P3 ◇ P4 × P5

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Color (pcu)

Distribution of Result



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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Color (pcu)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	10.81732
Std Dev	Sigma	5.927259

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18475846	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.03658032	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	6.11521529	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	4.50000	-2.97154
5.0	5.00000	1.06785
10.0	5.60000	3.22124
25.0	6.60000	6.81945
50.0	8.90000	10.81732
75.0	13.00000	14.81520
90.0	20.00000	18.41341
95.0	25.00000	20.56680
99.0	30.00000	24.60619

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

DRAFT

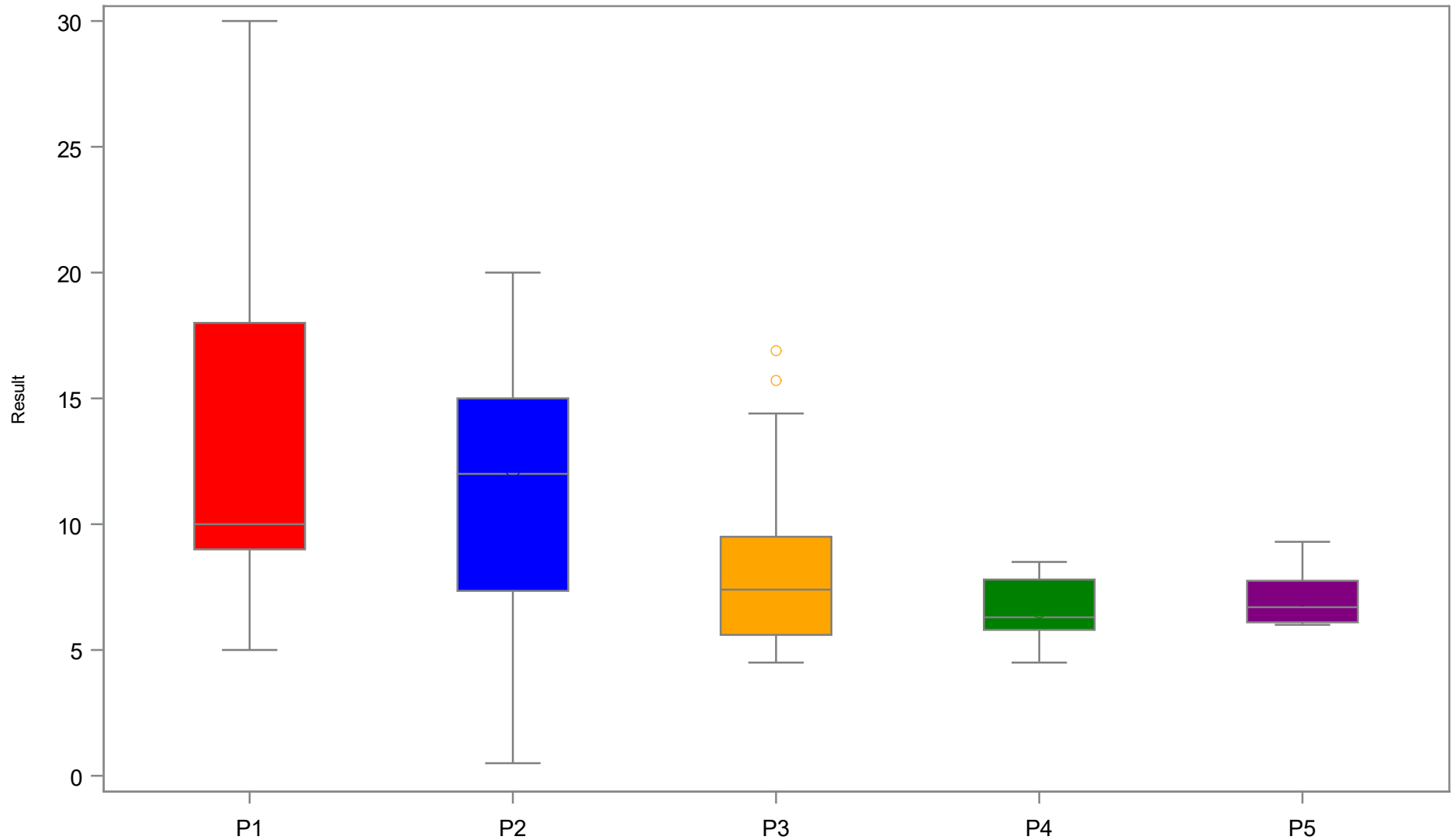
Distributional Statistics by Period for Sulphur Springs Run Surface Color (pcu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	5.00	9.00	13.80	10.00	18.00	30.00
P2	28	0.50	7.35	12.18	12.00	15.00	20.00
P3	26	4.50	5.60	8.35	7.40	9.50	16.90
P4	19	4.50	5.80	6.54	6.30	7.80	8.50
P5	8	6.00	6.10	7.05	6.70	7.75	9.30

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Surface Color (pcu)



Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Timeseries of Sulphur Springs Run Surface Color 345 (pcu)



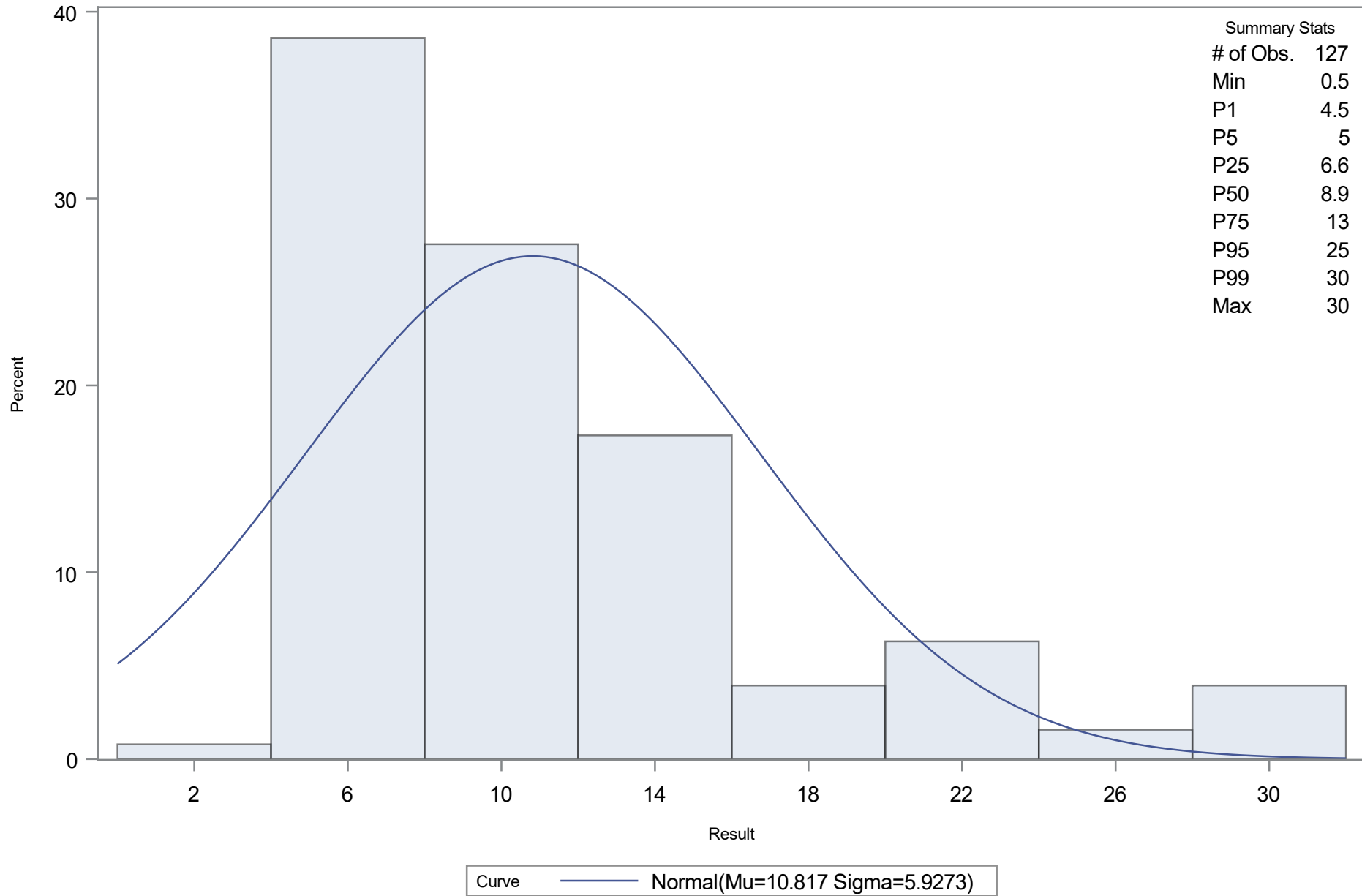
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Color 345 (pcu)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Surface Color 345 (pcu)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	10.81732
Std Dev	Sigma	5.927259

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18475846	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.03658032	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	6.11521529	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	4.50000	-2.97154
5.0	5.00000	1.06785
10.0	5.60000	3.22124
25.0	6.60000	6.81945
50.0	8.90000	10.81732
75.0	13.00000	14.81520
90.0	20.00000	18.41341
95.0	25.00000	20.56680
99.0	30.00000	24.60619

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

DRAFT

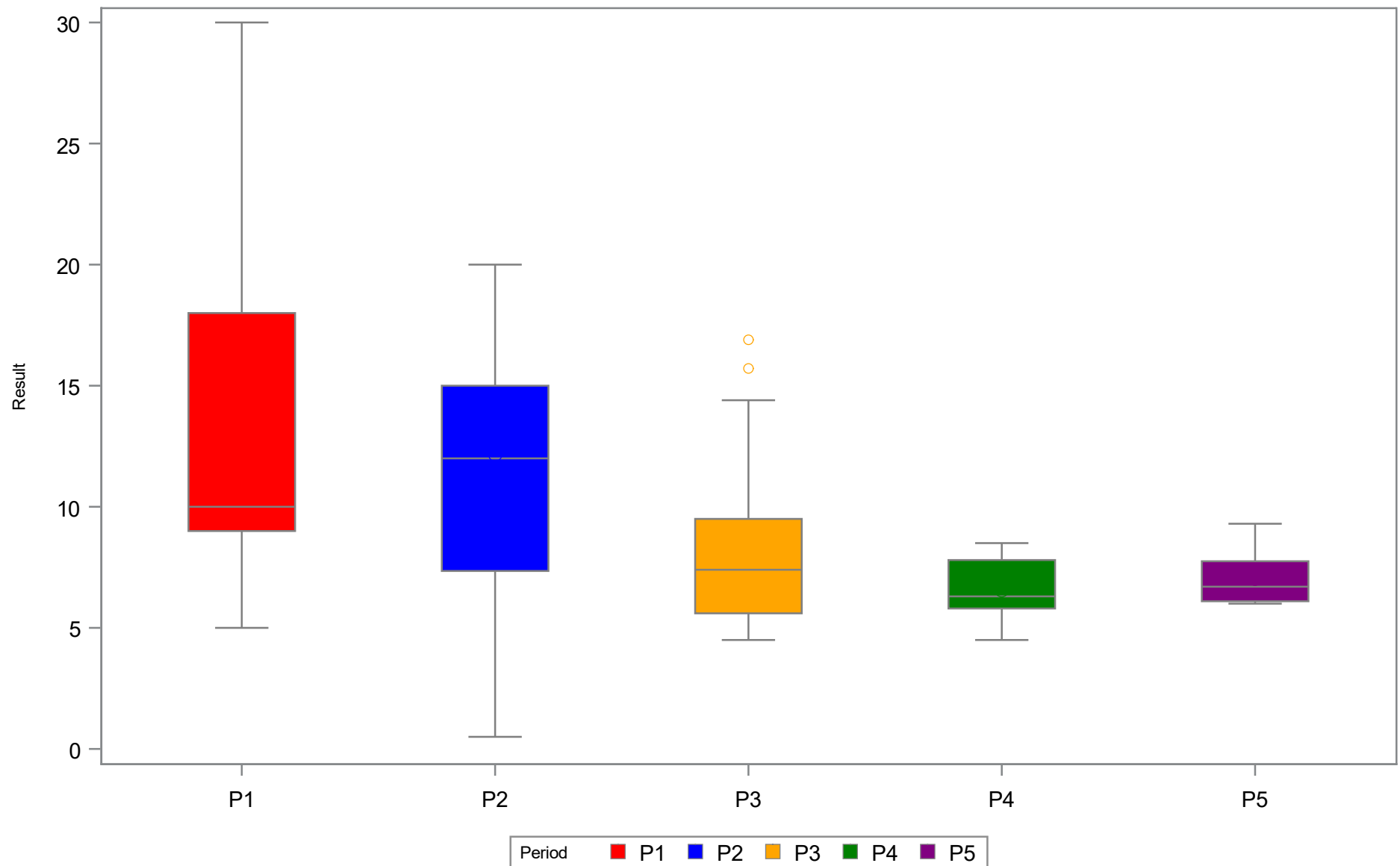
Distributional Statistics by Period for Sulphur Springs Run Surface Color 345 (pcu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	5.00	9.00	13.80	10.00	18.00	30.00
P2	28	0.50	7.35	12.18	12.00	15.00	20.00
P3	26	4.50	5.60	8.35	7.40	9.50	16.90
P4	19	4.50	5.80	6.54	6.30	7.80	8.50
P5	8	6.00	6.10	7.05	6.70	7.75	9.30

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Surface Color 345 (pcu)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Color 345 F (pcu)

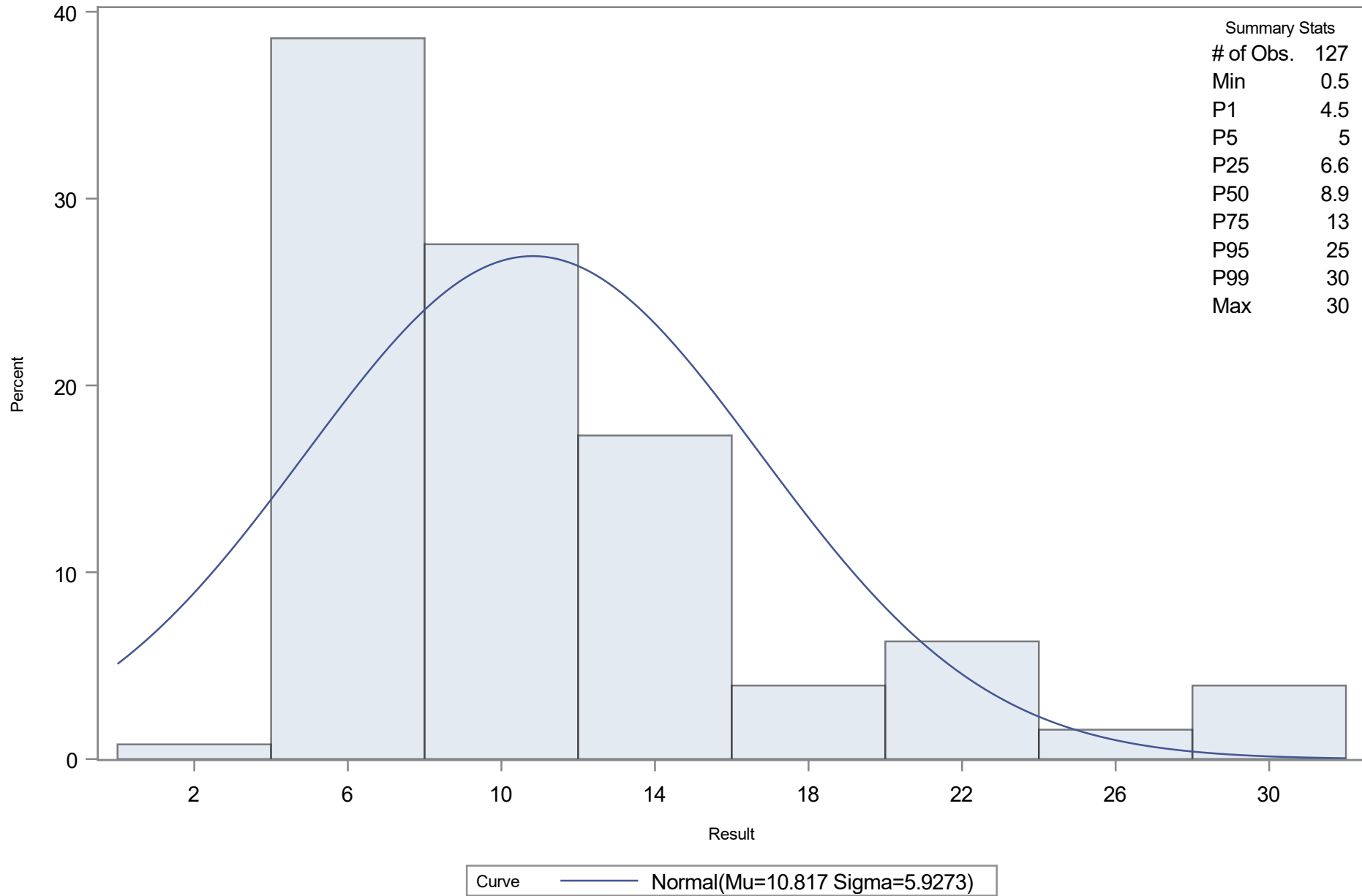


Period ○ P1 + P2 □ P3 ◇ P4 × P5

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Color 345 F (pcu)

Distribution of Result



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

DRAFT**Univariate Histogram of Sulphur Springs Run Surface Color 345 F (pcu)****Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	10.81732
Std Dev	Sigma	5.927259

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18475846	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.03658032	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	6.11521529	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	4.50000	-2.97154
5.0	5.00000	1.06785
10.0	5.60000	3.22124
25.0	6.60000	6.81945
50.0	8.90000	10.81732
75.0	13.00000	14.81520
90.0	20.00000	18.41341
95.0	25.00000	20.56680
99.0	30.00000	24.60619

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

DRAFT

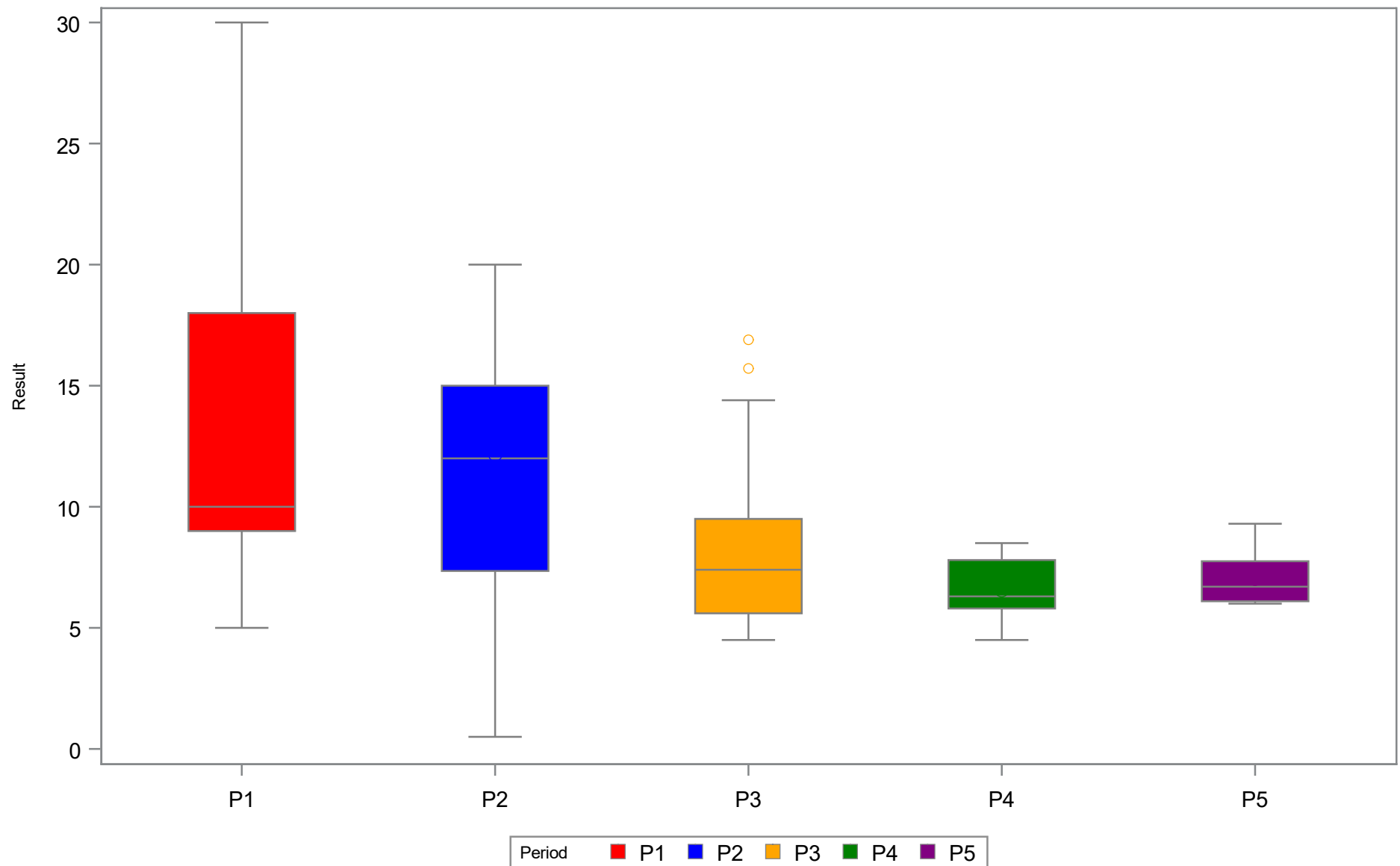
Distributional Statistics by Period for Sulphur Springs Run Surface Color 345 F (pcu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	5.00	9.00	13.80	10.00	18.00	30.00
P2	28	0.50	7.35	12.18	12.00	15.00	20.00
P3	26	4.50	5.60	8.35	7.40	9.50	16.90
P4	19	4.50	5.80	6.54	6.30	7.80	8.50
P5	8	6.00	6.10	7.05	6.70	7.75	9.30

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

DRAFT

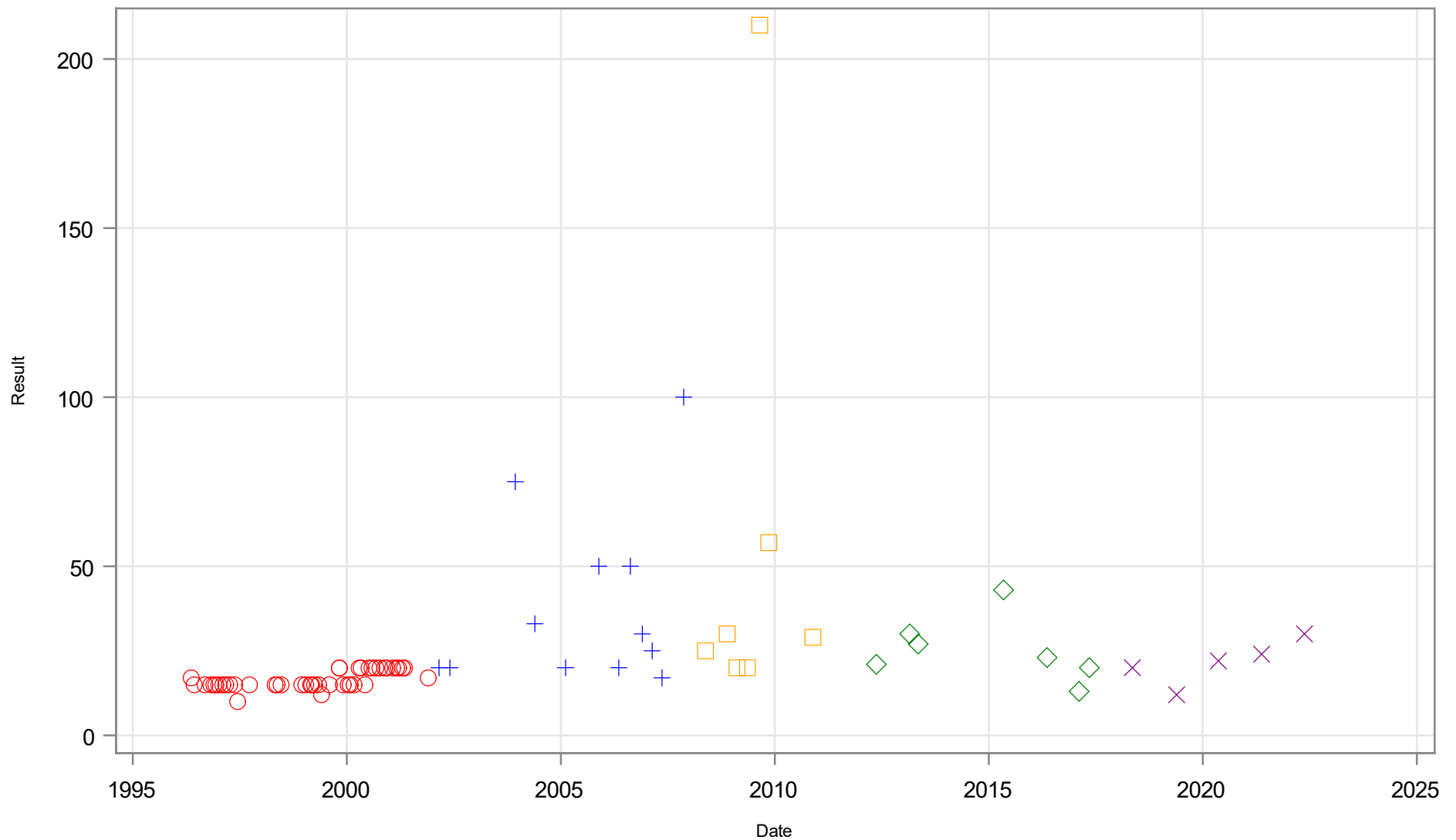
Boxplot by MFL Period for Sulphur Springs Run Surface Color 345 F (pcu)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Color (pcu)



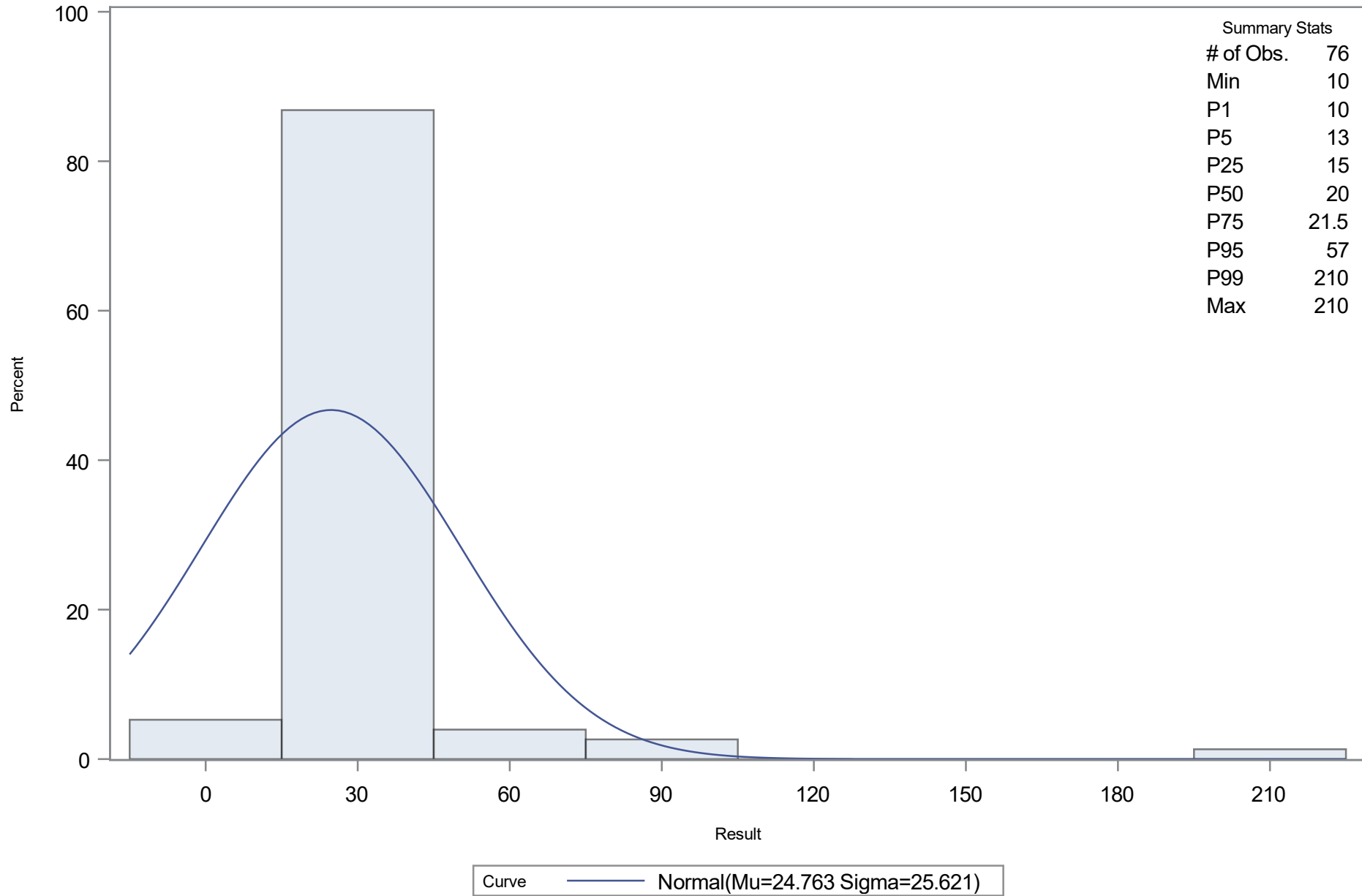
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Color (pcu)

Distribution of Result



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

Univariate Histogram of Tampa Bypass Canal Surface Color (pcu)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	24.76316
Std Dev	Sigma	25.62076

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.3137579	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.8981017	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	14.4787684	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	10.00000	-34.83963
5.0	13.00000	-17.37924
10.0	15.00000	-8.07116
25.0	15.00000	7.48222
50.0	20.00000	24.76316
75.0	21.50000	42.04410
90.0	33.00000	57.59748
95.0	57.00000	66.90555
99.0	210.00000	84.36595

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

DRAFT

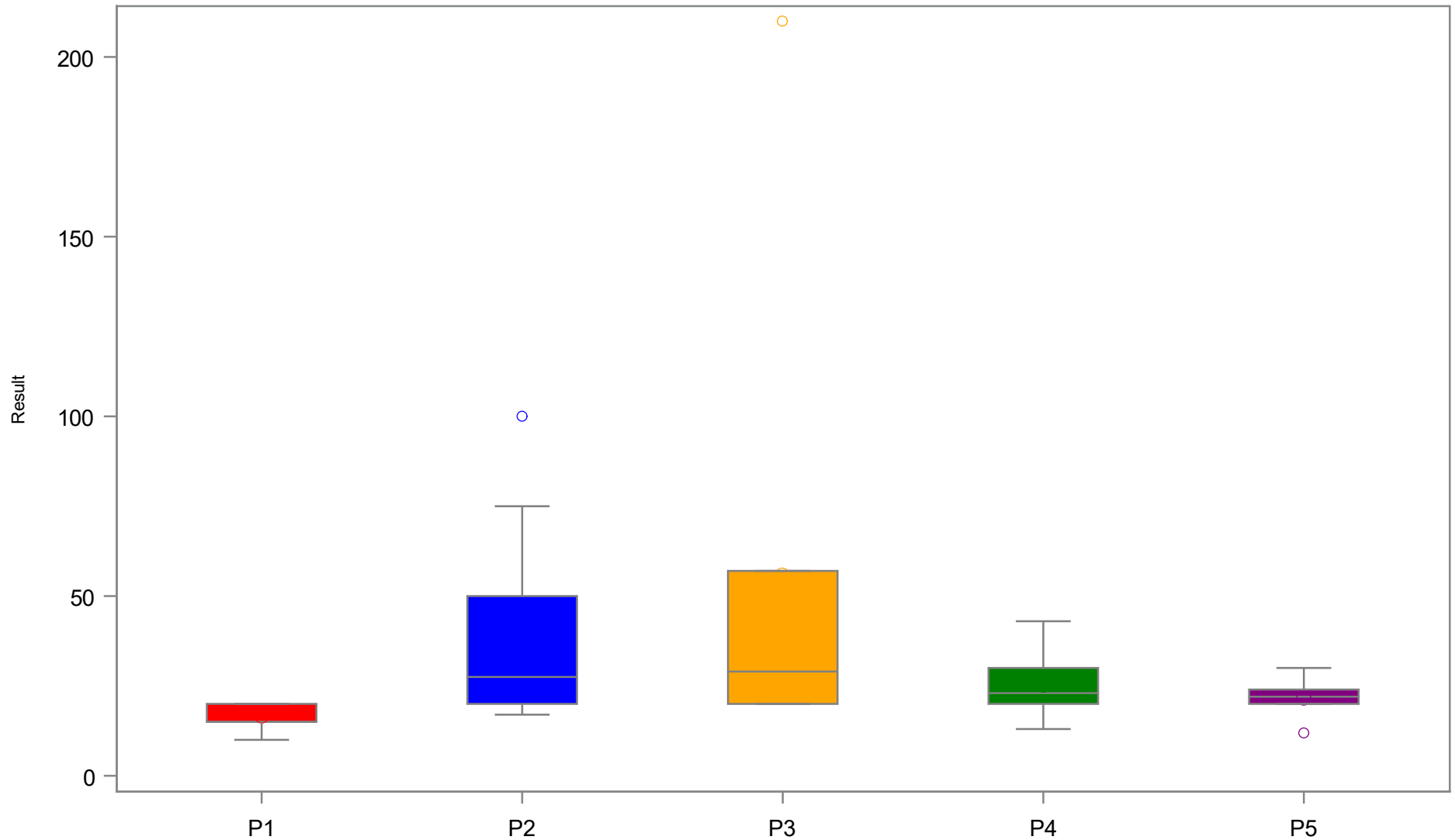
Distributional Statistics by Period for Tampa Bypass Canal Surface Color (pcu)

	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	5	12.00	20.00	21.60	22.00	24.00	30.00

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

DRAFT

Boxplot by MFL Period for Tampa Bypass Canal Surface Color (pcu)

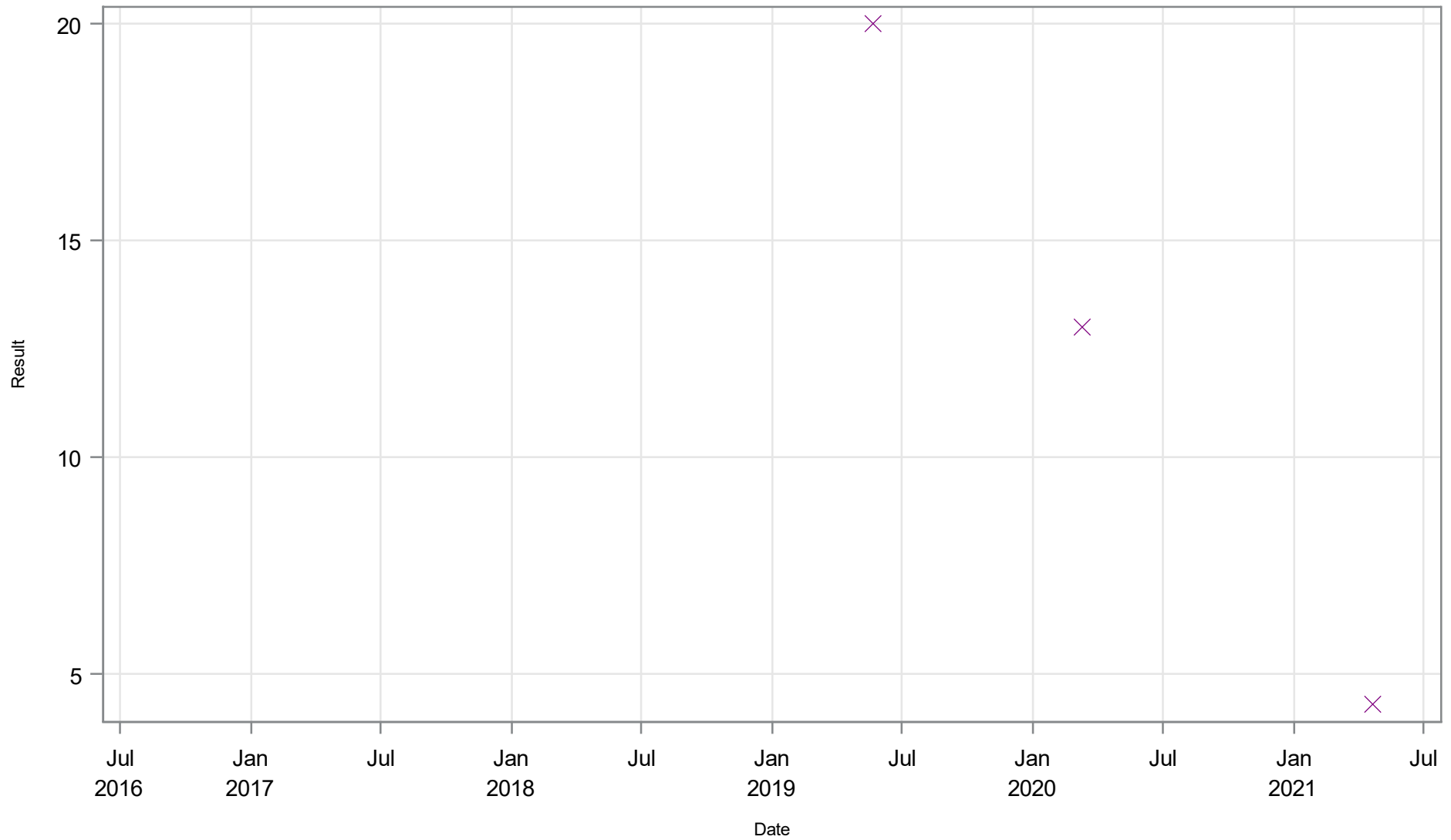


Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Surface Color (pcu)



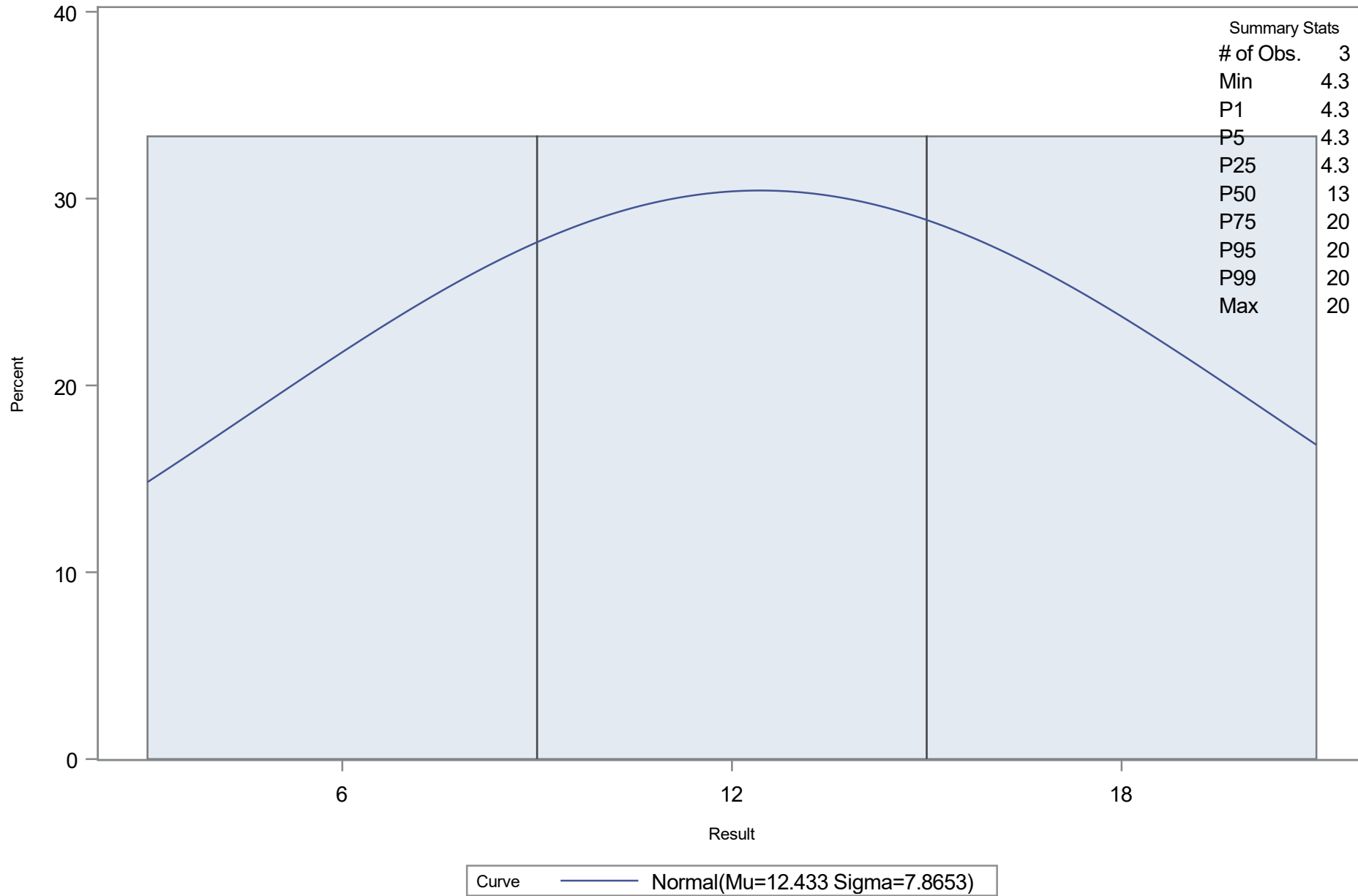
Period ◇ P4 × P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Color (pcu)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Color (pcu)

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		
Percent	Quantile	
	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

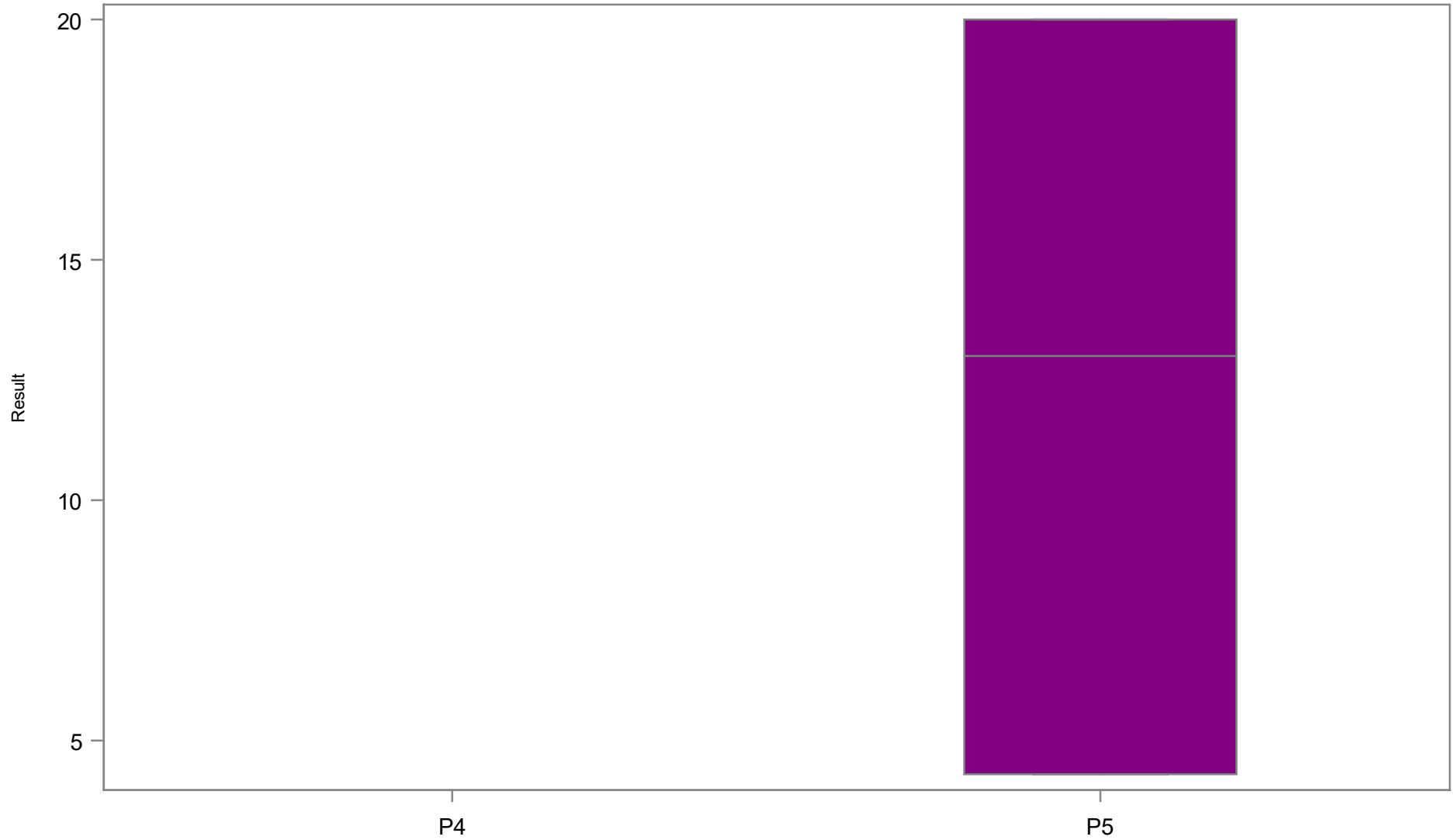
Distributional Statistics by Period for Moris Bridge Sink Surface Color (pcu)

	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 Moris Bridge Sink Surface Color (pcu)

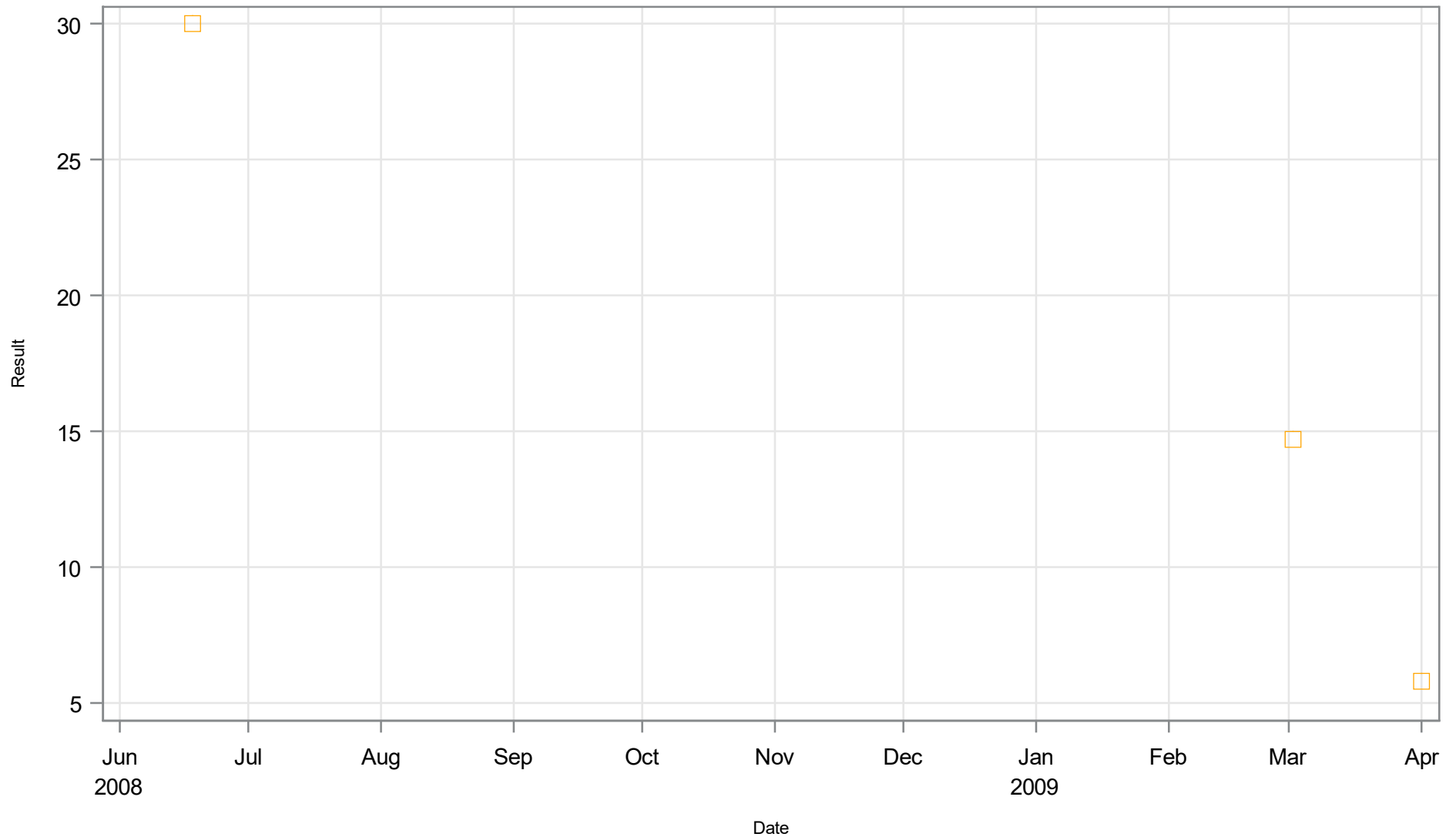


Period ■ P4 ■ P5

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

DRAFT

Timeseries of Surface Color (pcu)



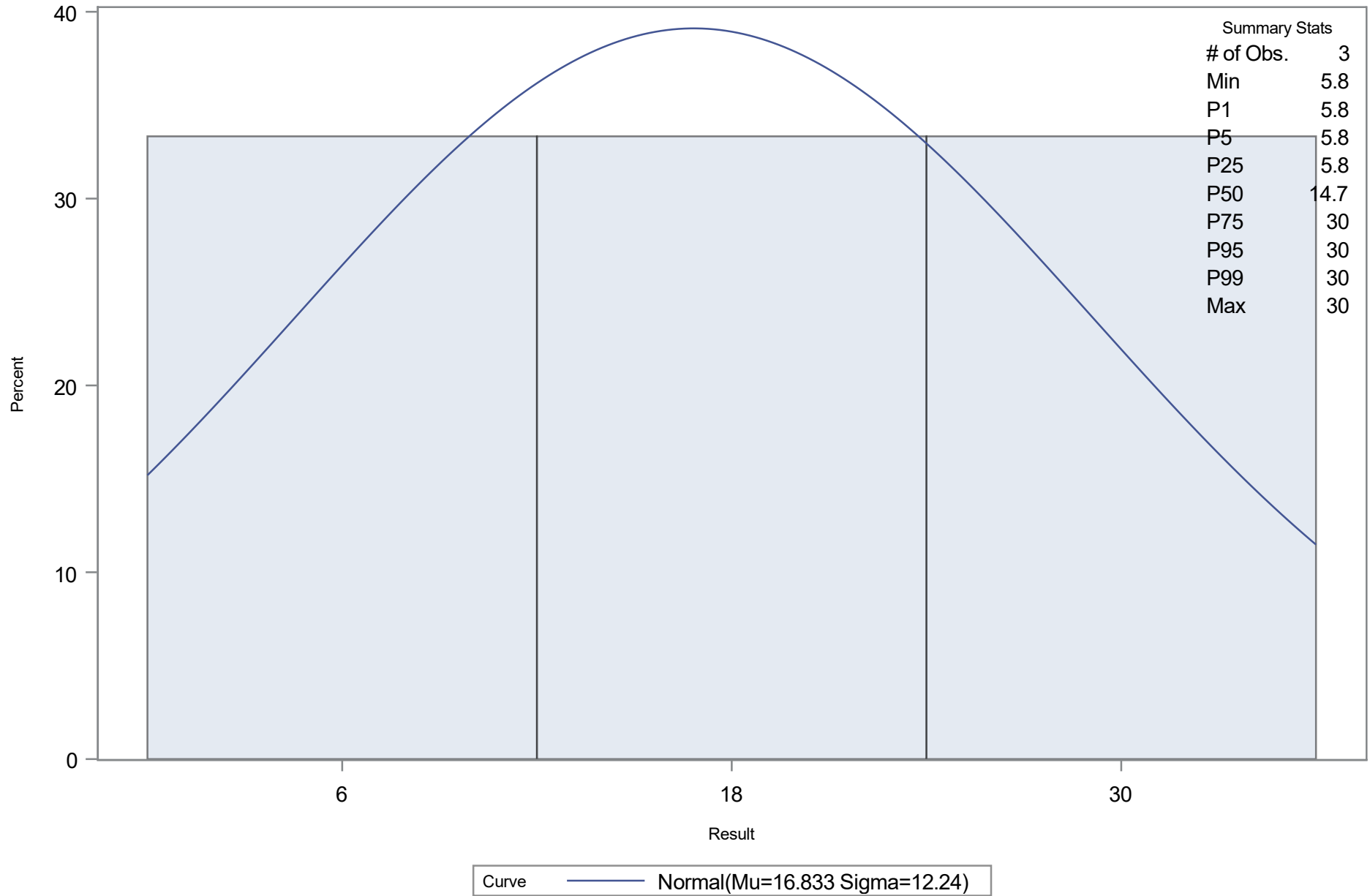
Period P3

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

DRAFT

Univariate Histogram of Surface Color (pcu)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Color (pcu)

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		
Percent	Quantile	
	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

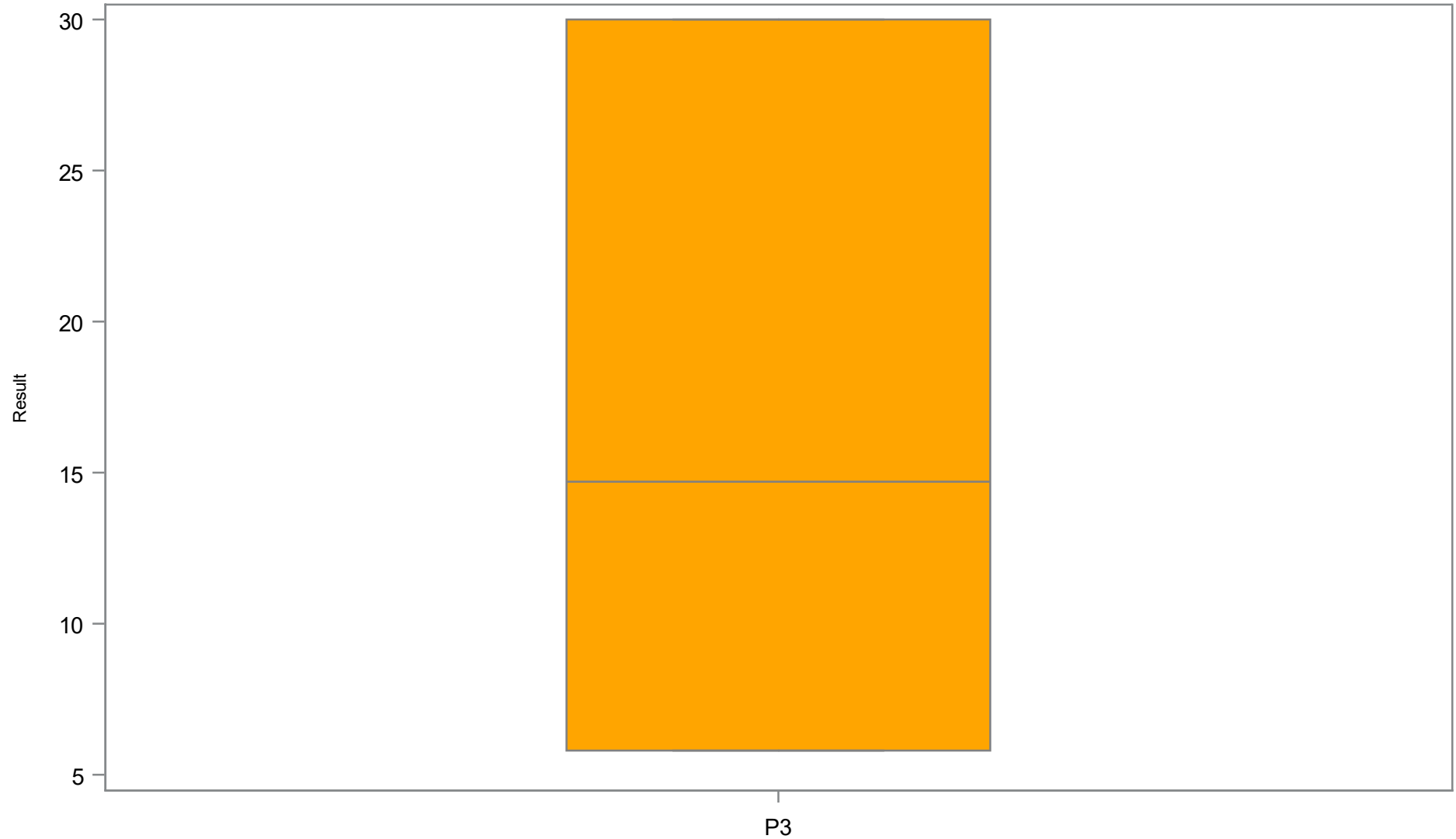
Distributional Statistics by Period for Surface Color (pcu)

	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)

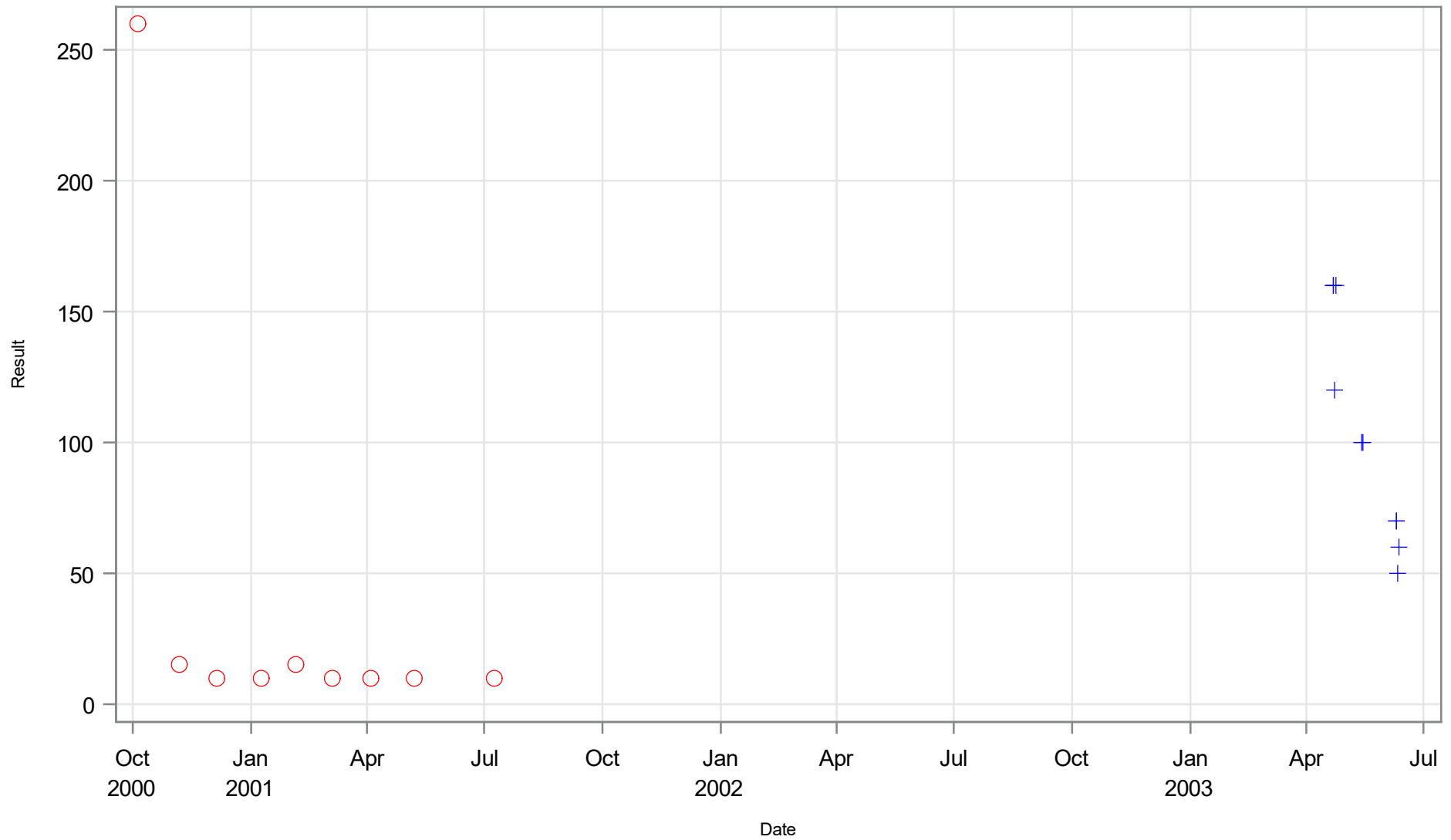


Period ■ P3

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

DRAFT

Timeseries of Hillsborough River Reservoir Bottom Color (pcu)



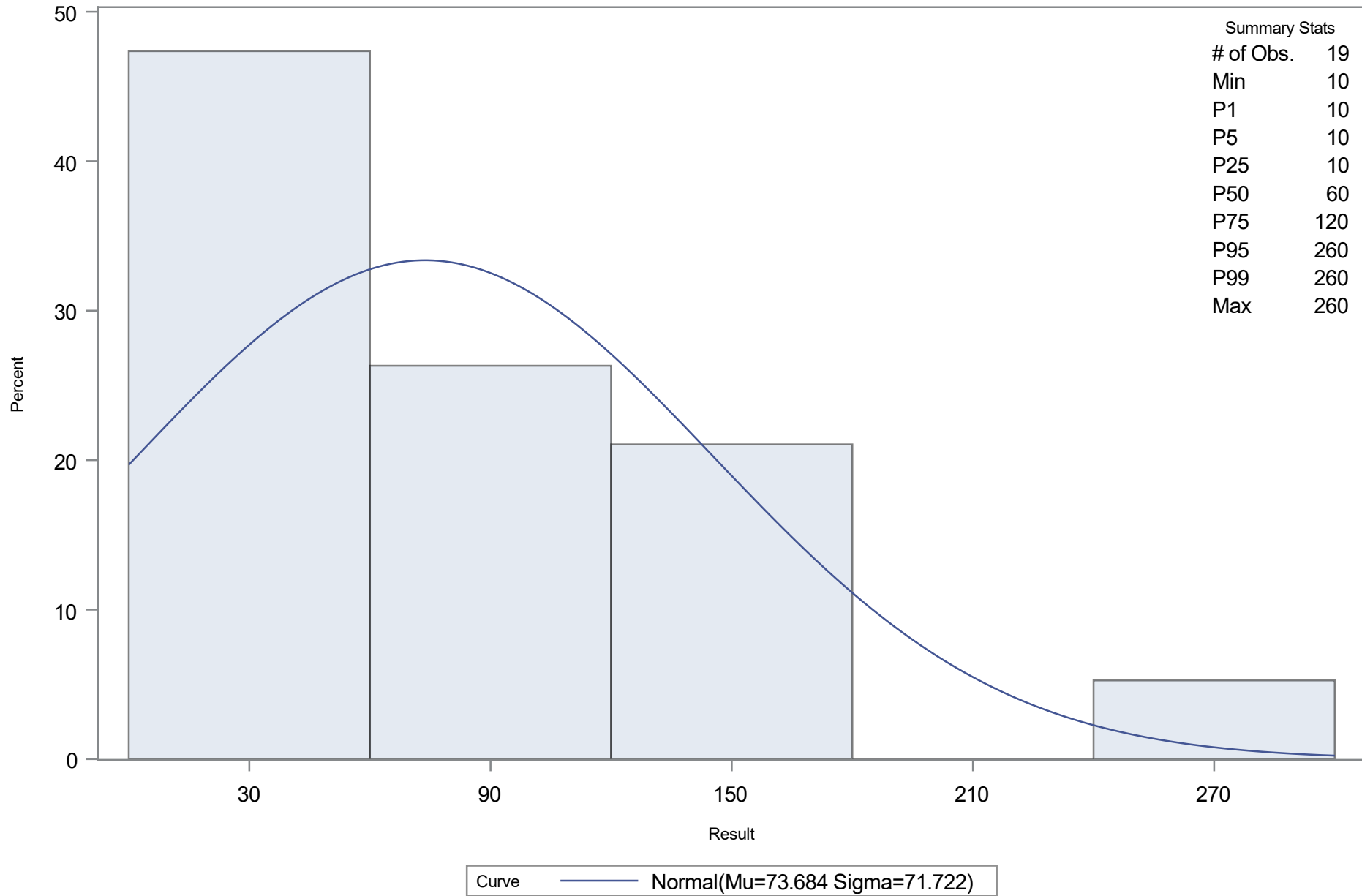
Period ○ P1 + P2

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Bottom Color (pcu)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Bottom Color (pcu)

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		
Percent	Quantile	
	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

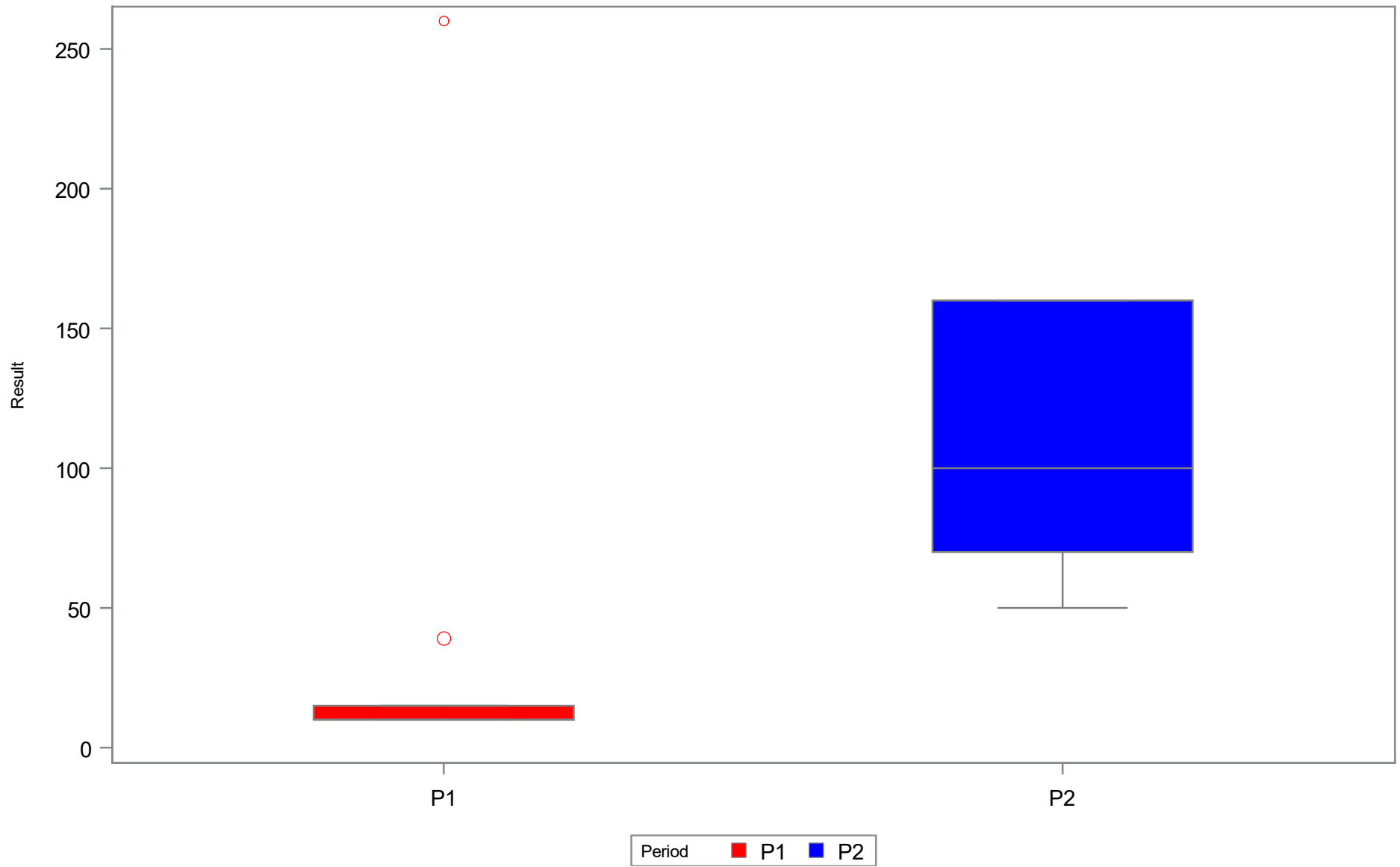
Distributional Statistics by Period for Hillsborough River Reservoir Bottom Color (pcu)

	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

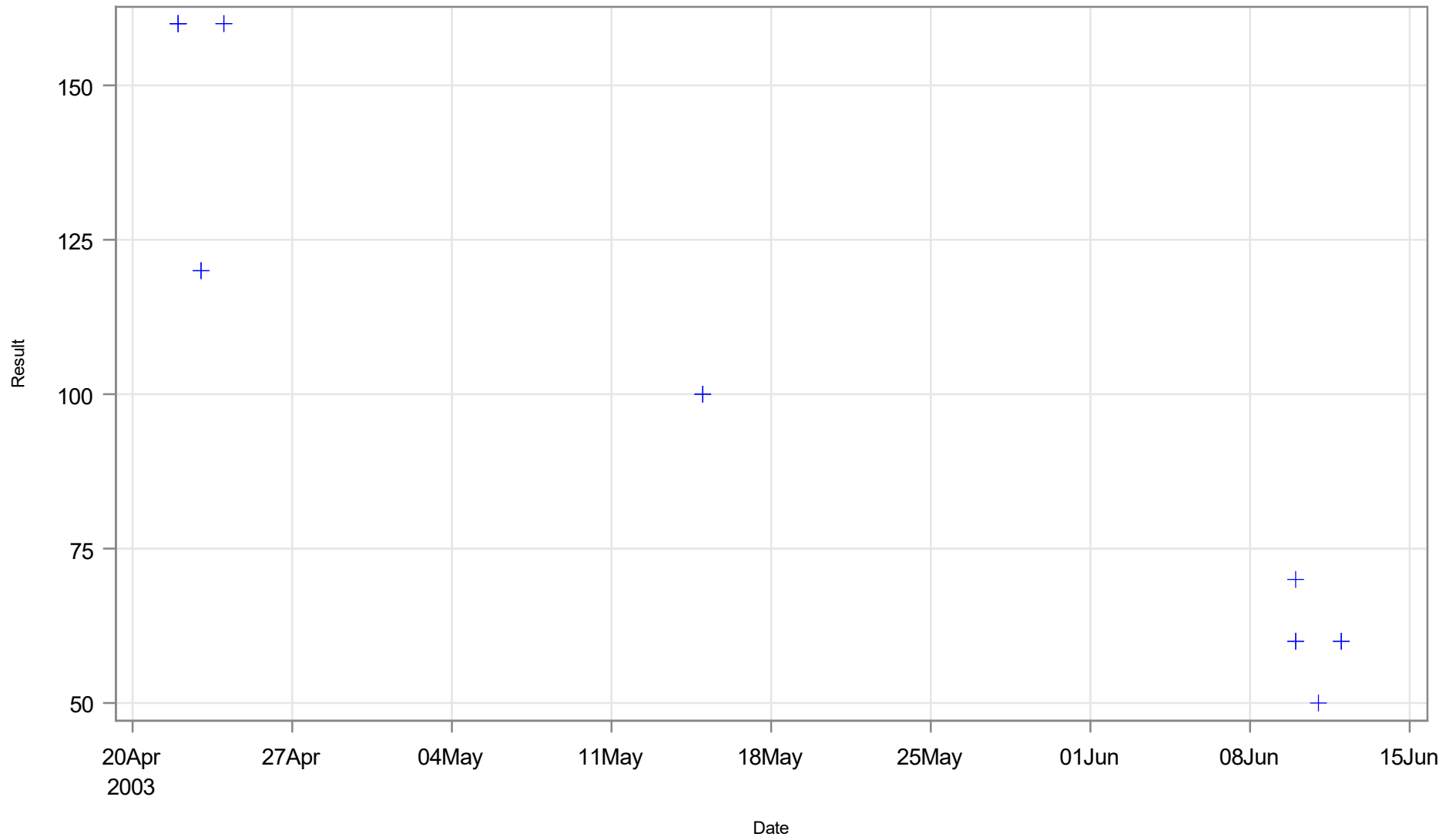
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Color (pcu)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater Color (pcu)



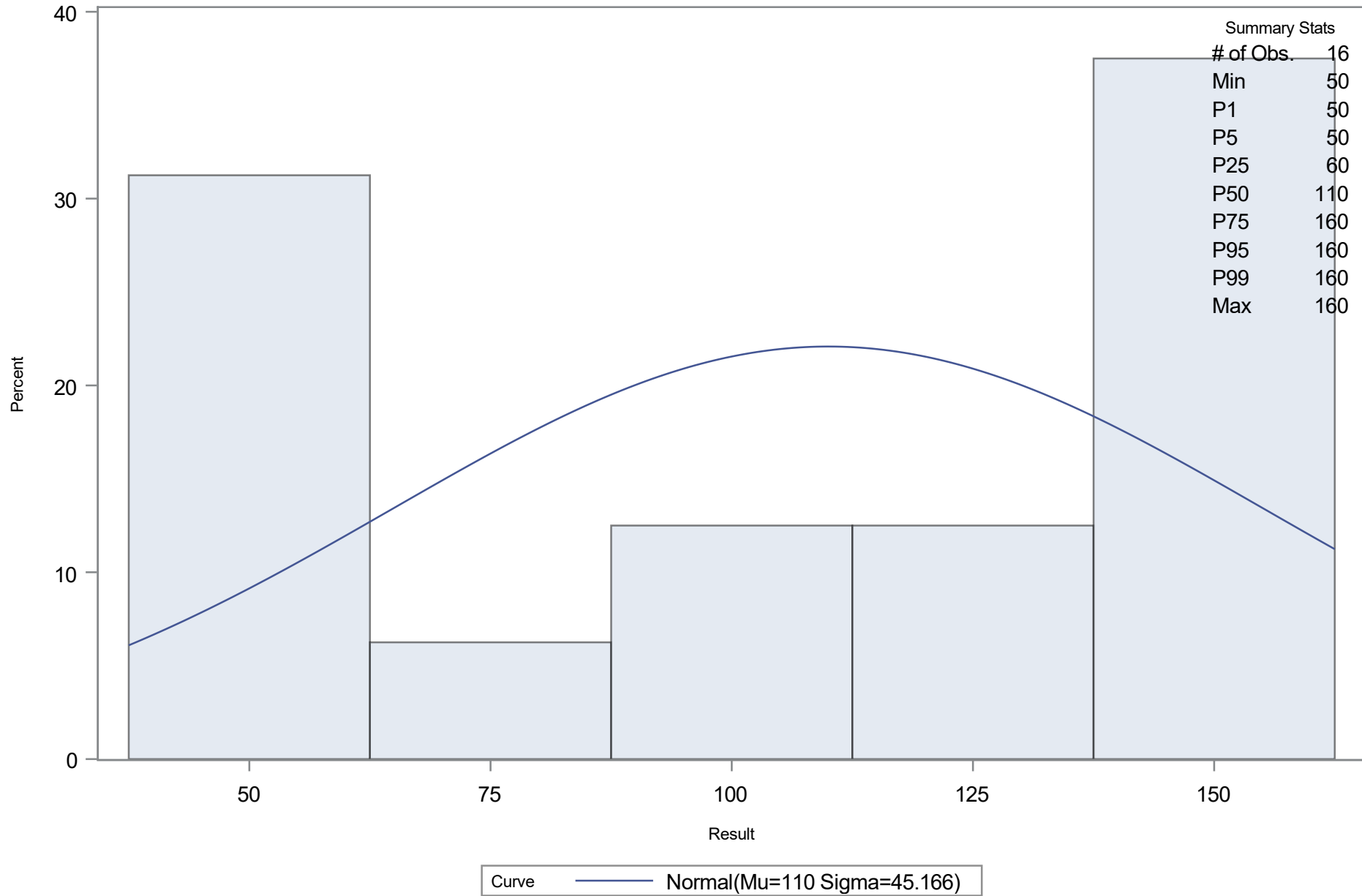
Period + P2

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Midwater Color (pcu)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Midwater Color (pcu)**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		
Percent	Quantile	
	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

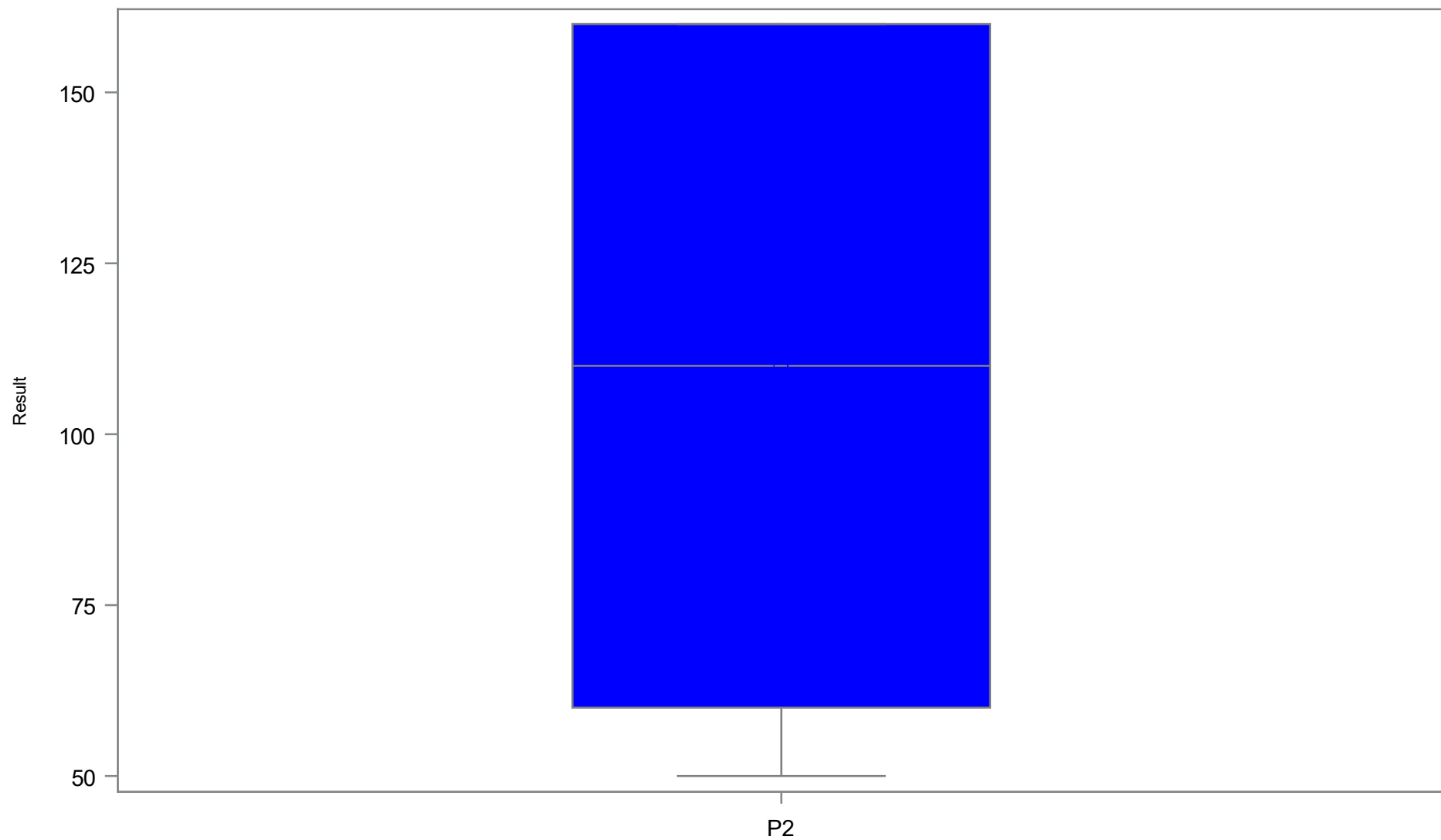
Distributional Statistics by Period for Hillsborough River Reservoir Midwater Color (pcu)

	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 Hillsborough River Reservoir Midwater Color (pcu)



Period ■ P2

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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Color (pcu)



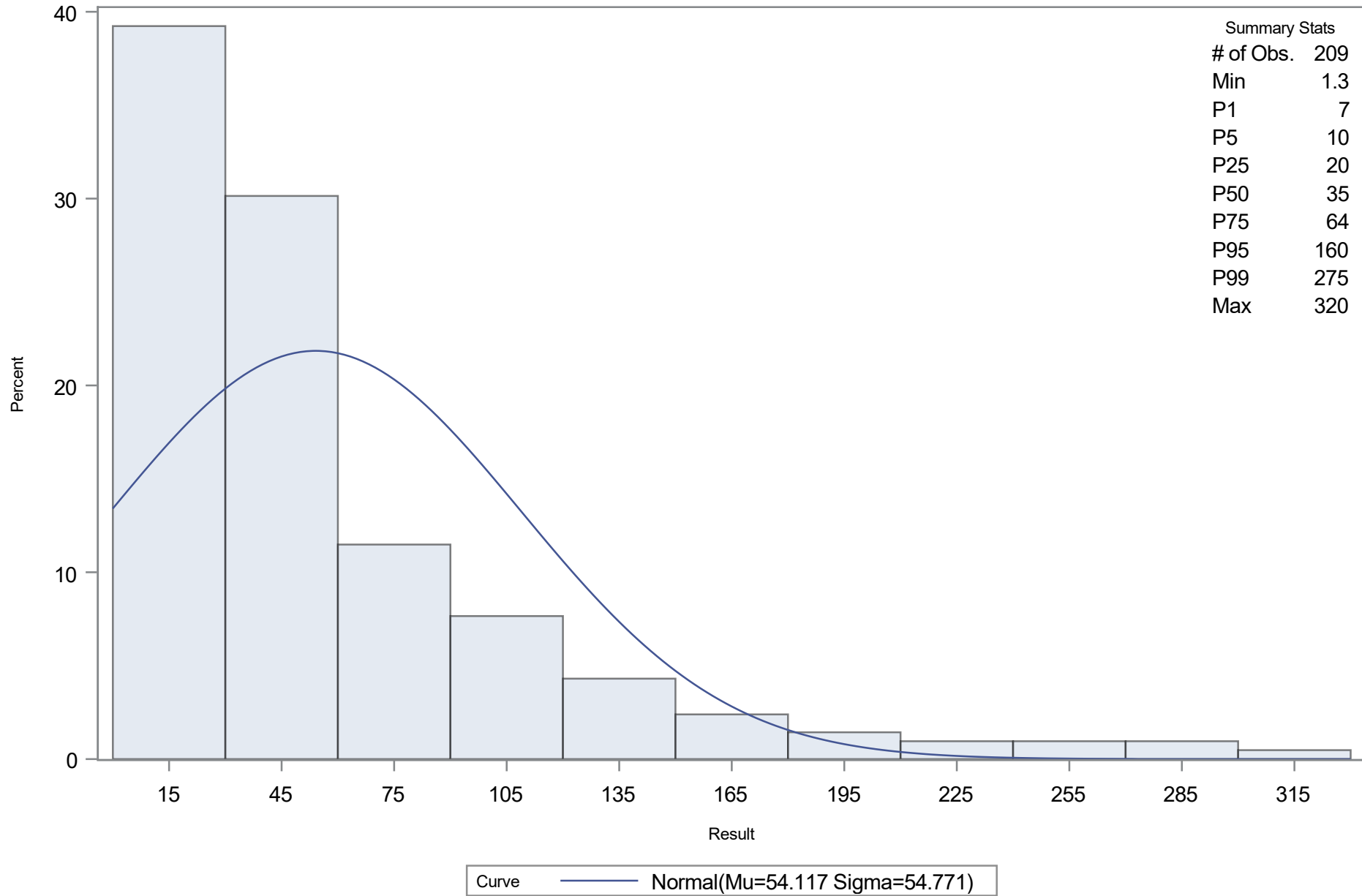
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Surface Color (pcu)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Surface Color (pcu)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	54.11675
Std Dev	Sigma	54.77129

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2141678	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.8414469	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	15.7507424	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	7.00000	-73.3003
5.0	10.00000	-35.9740
10.0	10.00000	-16.0755
25.0	20.00000	17.1741
50.0	35.00000	54.1167
75.0	64.00000	91.0594
90.0	120.00000	124.3090
95.0	160.00000	144.2075
99.0	275.00000	181.5338

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

DRAFT

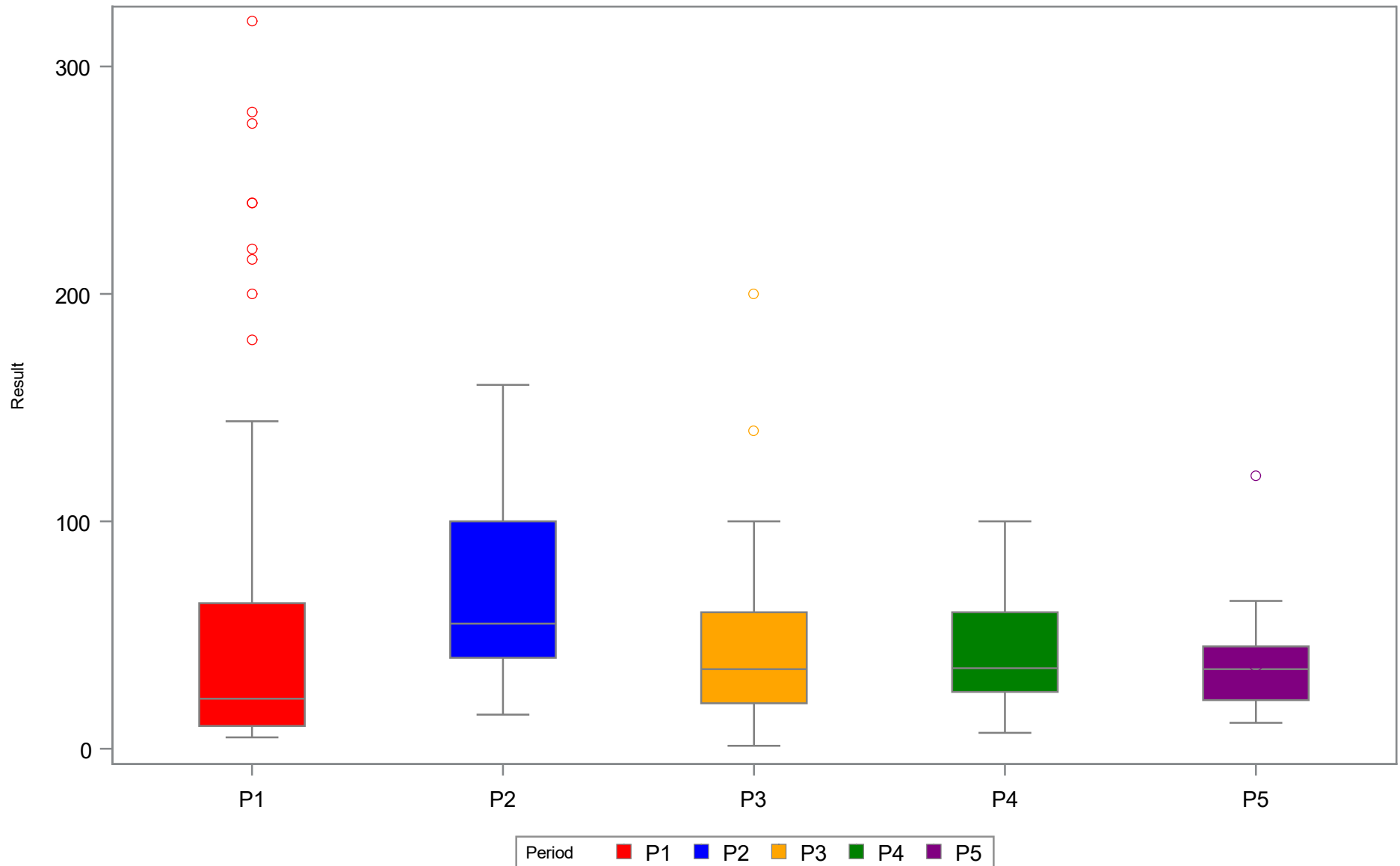
Distributional Statistics by Period for Hillsborough River Reservoir Surface Color (pcu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	86	5.00	10.00	53.86	22.00	64.00	320.00
P2	57	15.00	40.00	66.07	55.00	100.00	160.00
P3	21	1.30	20.00	51.25	35.00	60.00	200.00
P4	22	7.00	25.00	44.82	35.40	60.00	100.00
P5	23	11.40	21.40	36.96	35.00	45.00	120.00

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

DRAFT

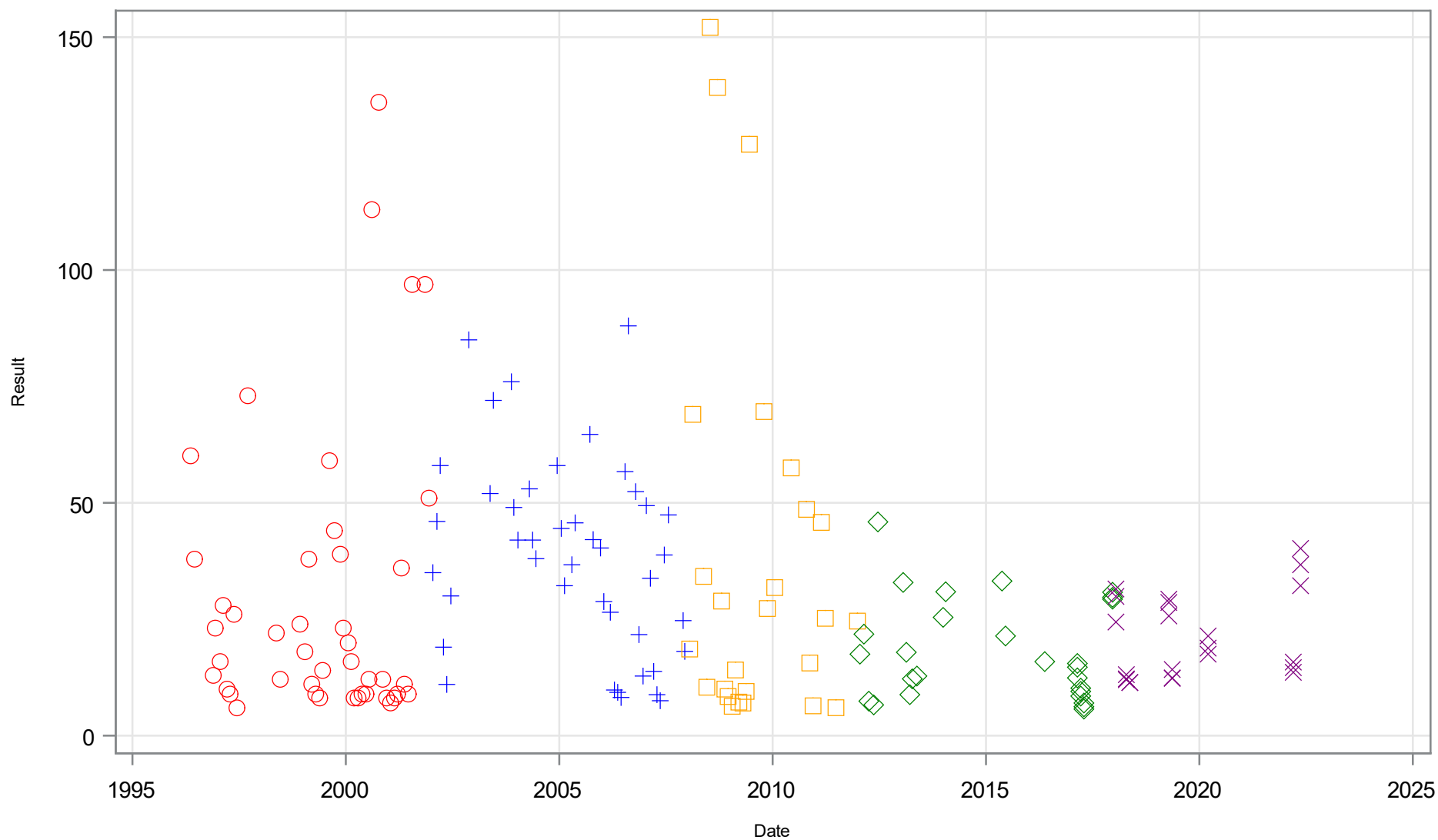
Boxplot by MFL Period for Hillsborough River Reservoir Surface Color (pcu)



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

DRAFT

Timeseries of Upper Hillsborough River Surface Color 345 (pcu)



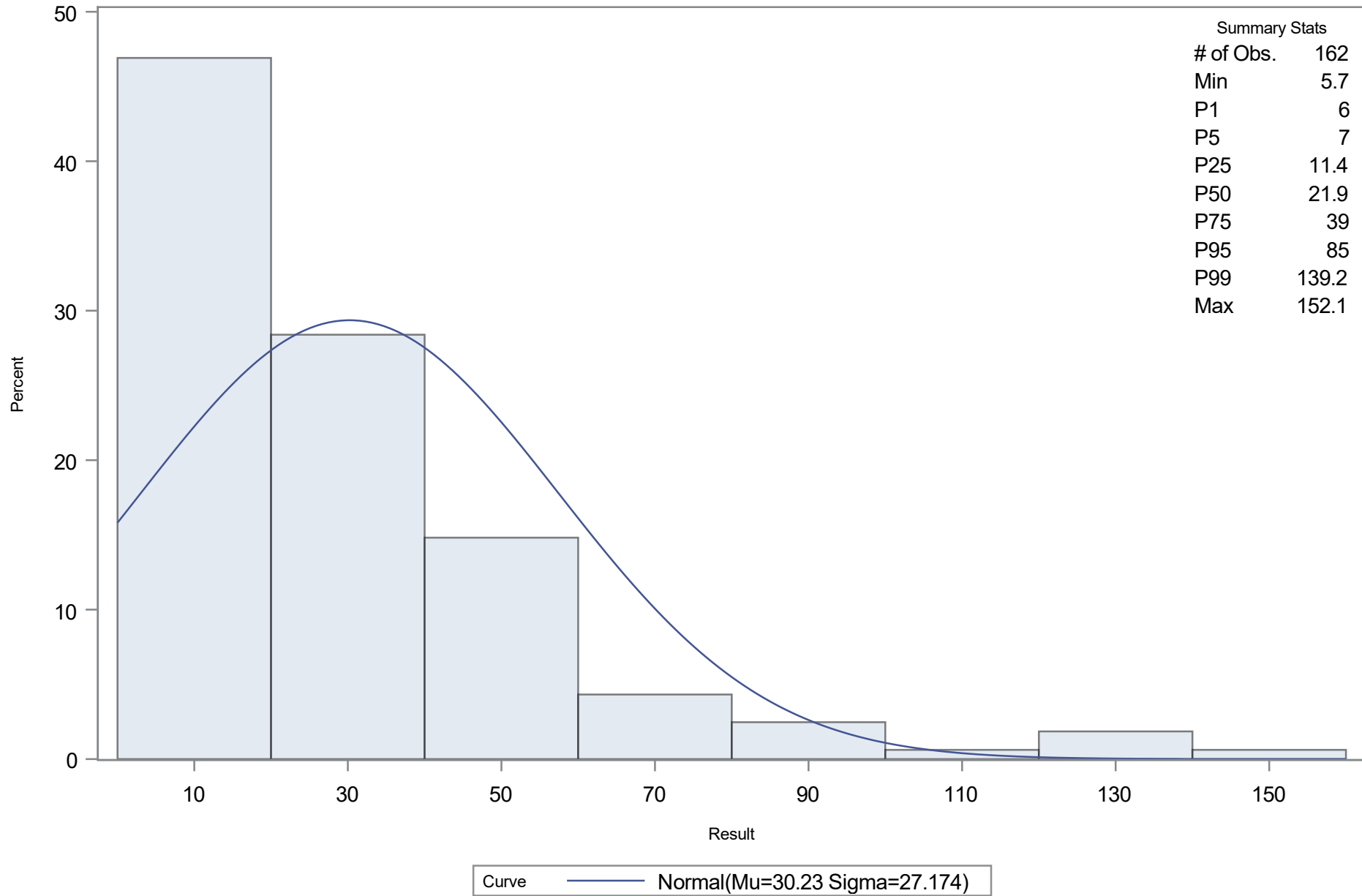
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Color 345 (pcu)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface Color 345 (pcu)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	30.23025
Std Dev	Sigma	27.1741

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18334074	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.56492438	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	9.49344811	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.00000	-32.98616
5.0	7.00000	-14.46717
10.0	8.00000	-4.59476
25.0	11.40000	11.90160
50.0	21.90000	30.23025
75.0	39.00000	48.55890
90.0	59.00000	65.05526
95.0	85.00000	74.92766
99.0	139.20000	93.44666

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

DRAFT

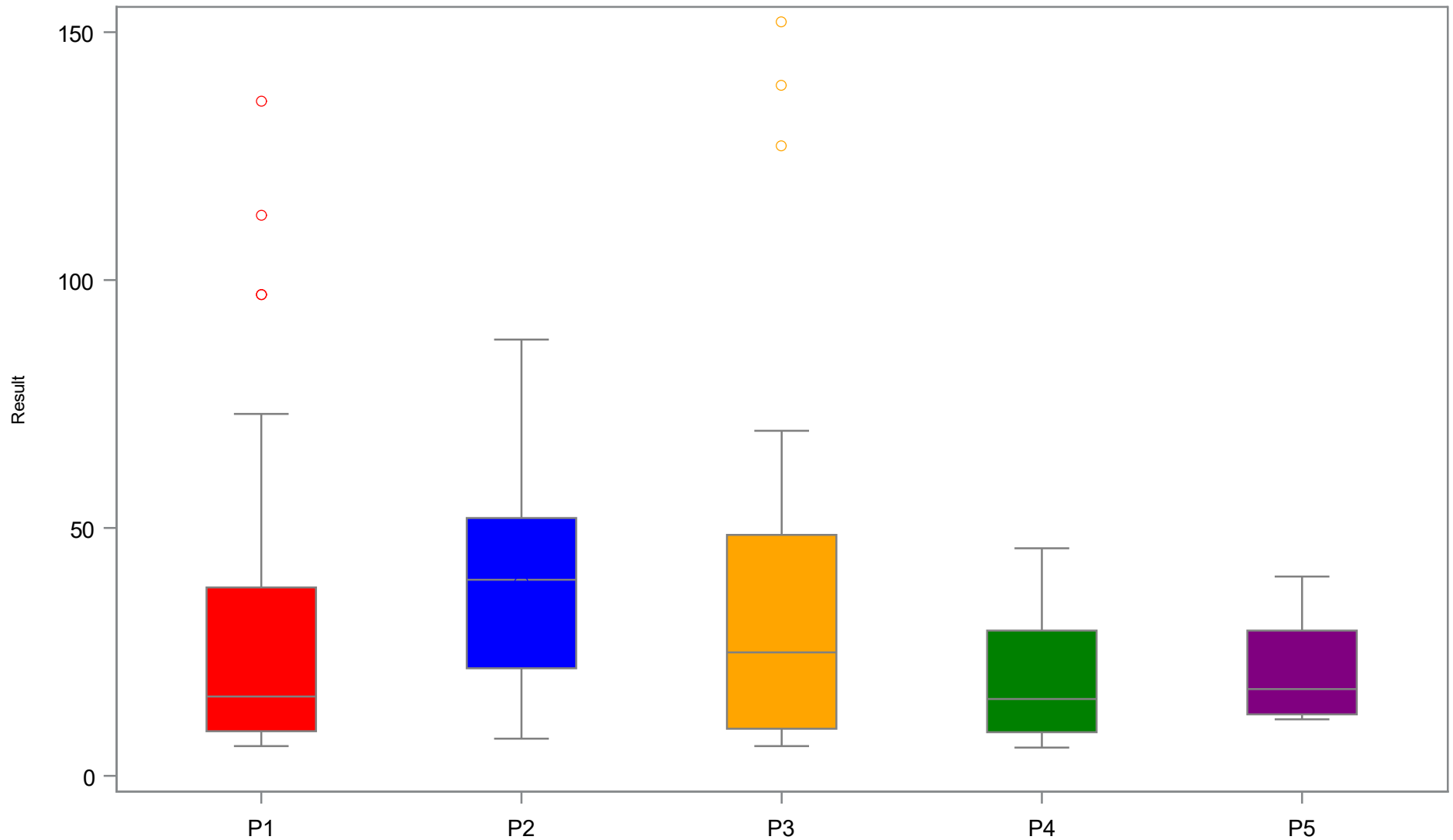
Distributional Statistics by Period for Upper Hillsborough River Surface Color 345 (pcu)

	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	26	6.00	9.50	38.47	24.90	48.60	152.10
P4	27	5.70	8.80	18.15	15.50	29.30	45.90
P5	23	11.40	12.40	20.83	17.50	29.30	40.20

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Color 345 (pcu)



Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Upper Hillsborough River Surface Color 345 F (pcu)



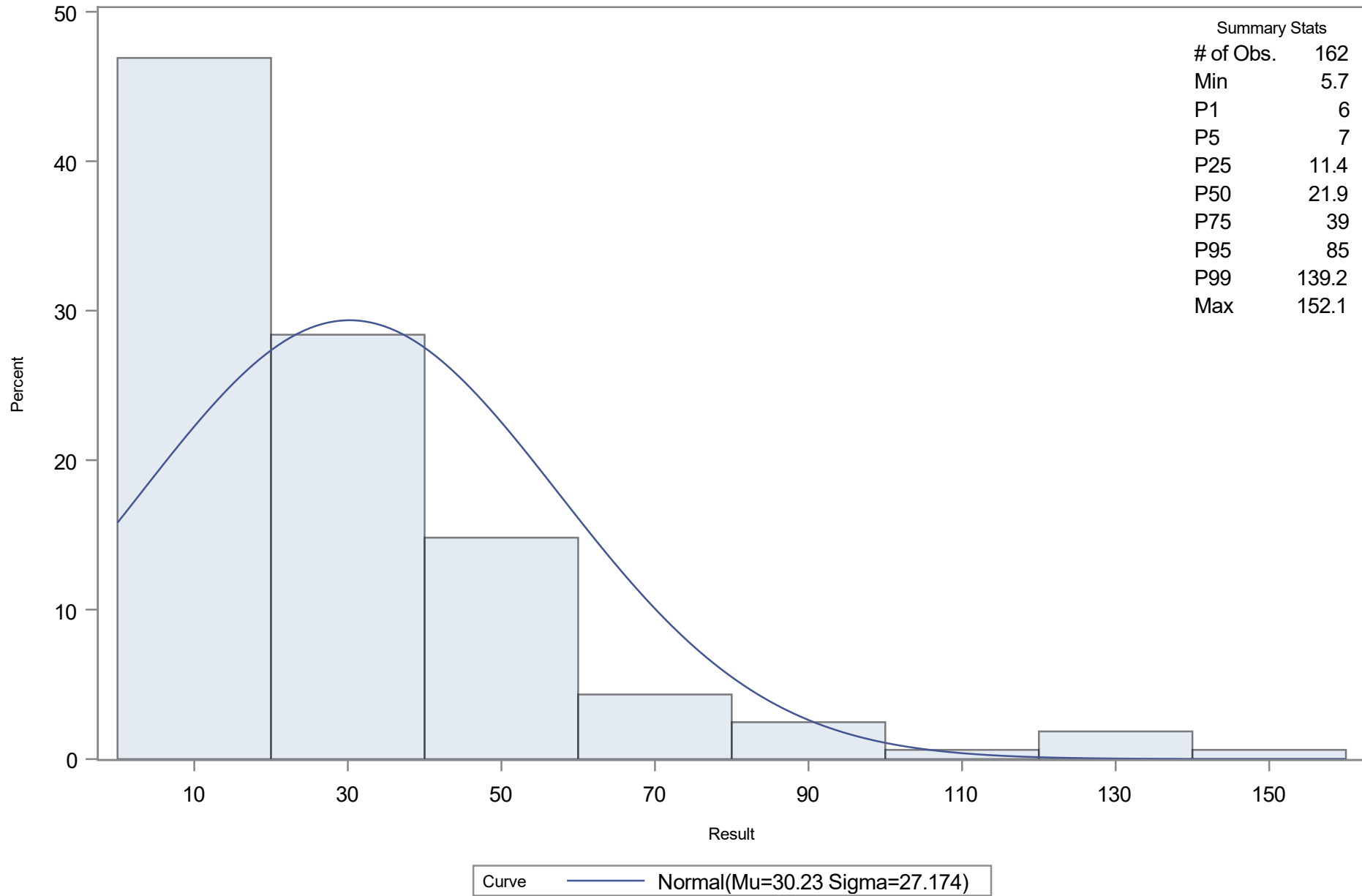
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Color 345 F (pcu)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	30.23025
Std Dev	Sigma	27.1741

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18334074	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.56492438	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	9.49344811	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.00000	-32.98616
5.0	7.00000	-14.46717
10.0	8.00000	-4.59476
25.0	11.40000	11.90160
50.0	21.90000	30.23025
75.0	39.00000	48.55890
90.0	59.00000	65.05526
95.0	85.00000	74.92766
99.0	139.20000	93.44666

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

DRAFT

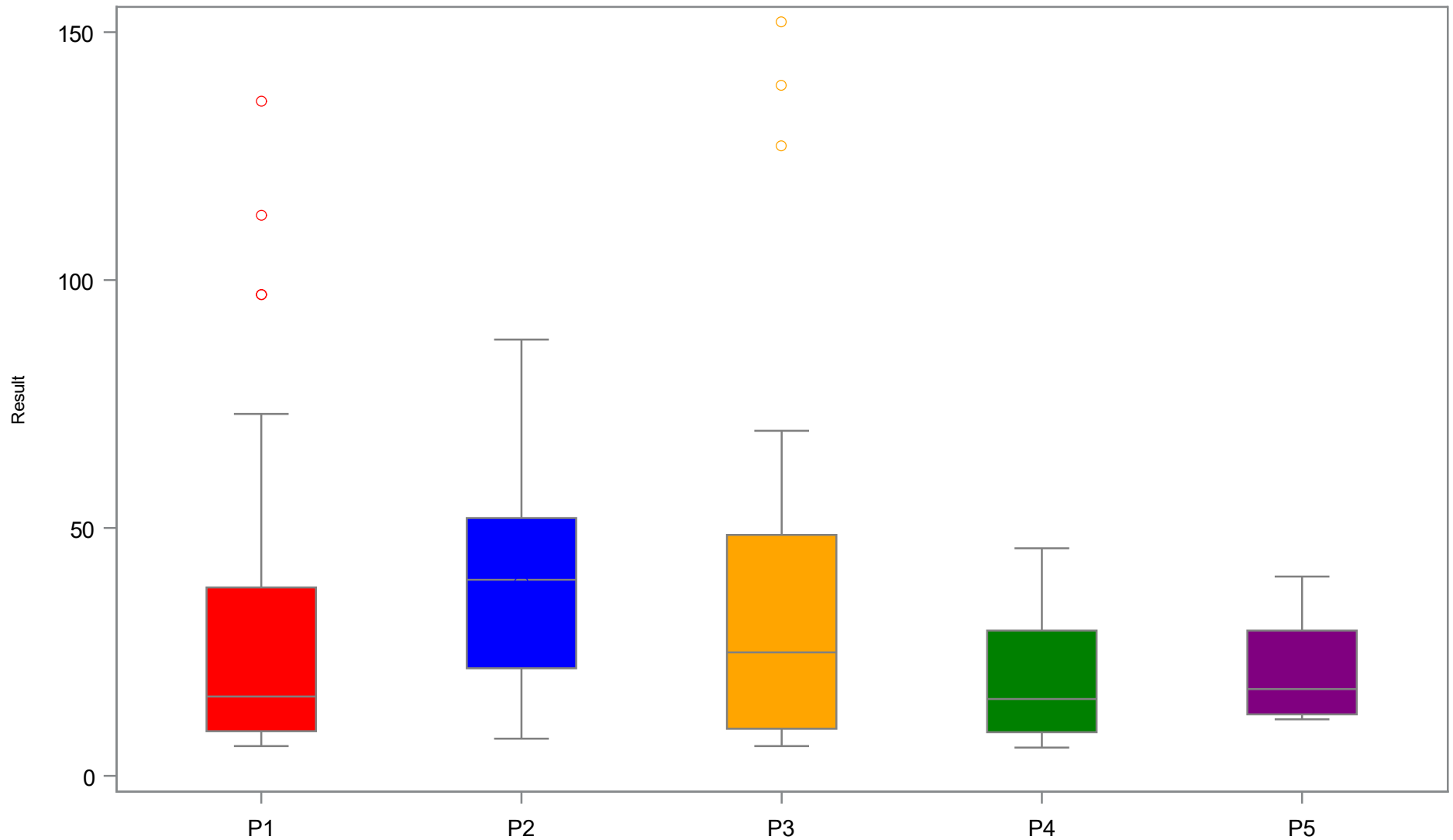
Distributional Statistics by Period for Upper Hillsborough River Surface Color 345 F (pcu)

	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	26	6.00	9.50	38.47	24.90	48.60	152.10
P4	27	5.70	8.80	18.15	15.50	29.30	45.90
P5	23	11.40	12.40	20.83	17.50	29.30	40.20

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Color 345 F (pcu)

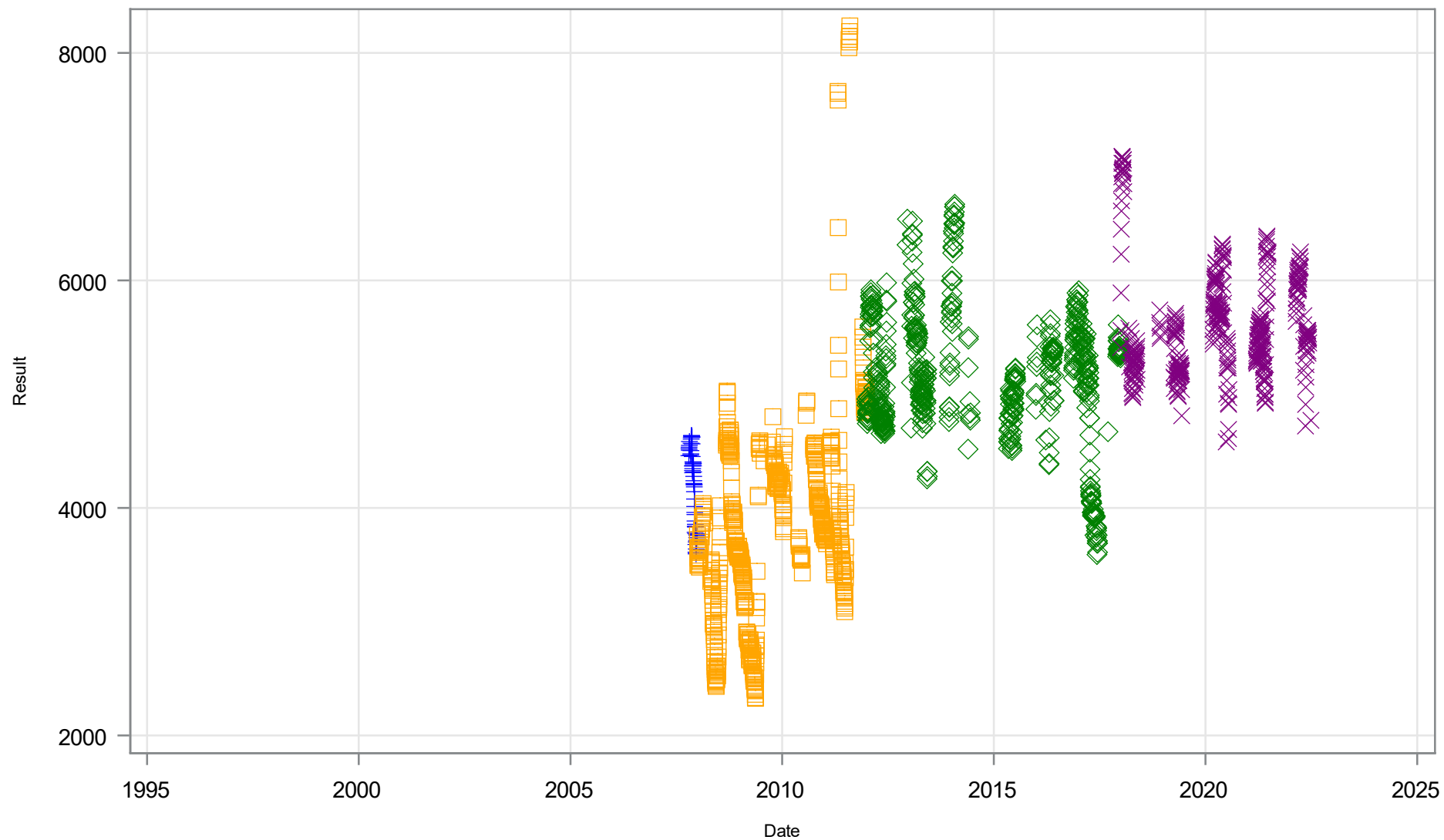


Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

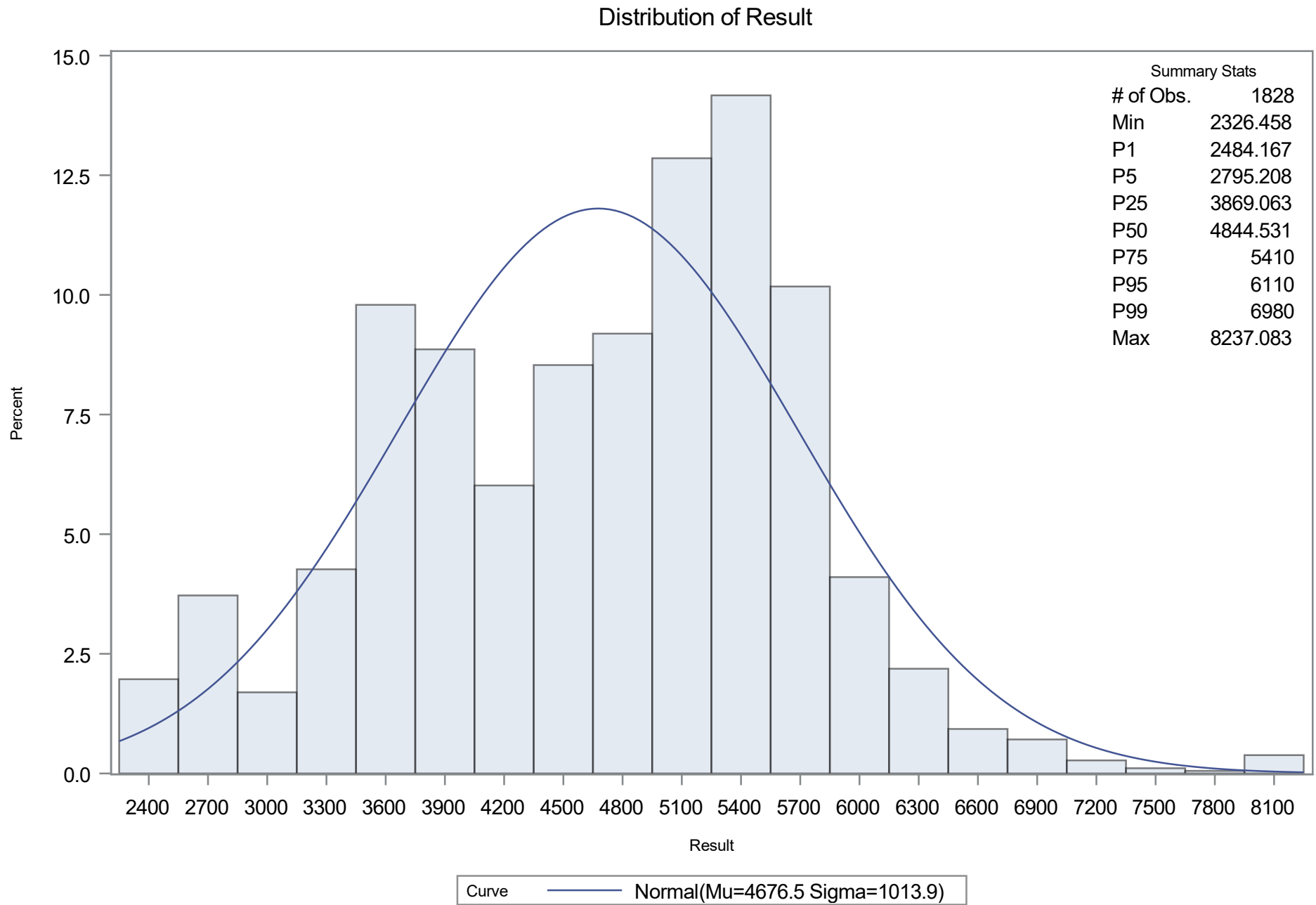
DRAFT

Timeseries of Sulphur Springs Pool Surface Specific Conductance Daily Average (us/cm)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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



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

DRAFT Univariate Histogram of Sulphur Springs Pool Surface Specific Conductance Daily Average (us/cm)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4676.49
Std Dev	Sigma	1013.886

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0717092	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.3959713	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	13.0450894	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2484.17	2317.84
5.0	2795.21	3008.80
10.0	3369.27	3377.14
25.0	3869.06	3992.63
50.0	4844.53	4676.49
75.0	5410.00	5360.35
90.0	5800.00	5975.84
95.0	6110.00	6344.18
99.0	6980.00	7035.14

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

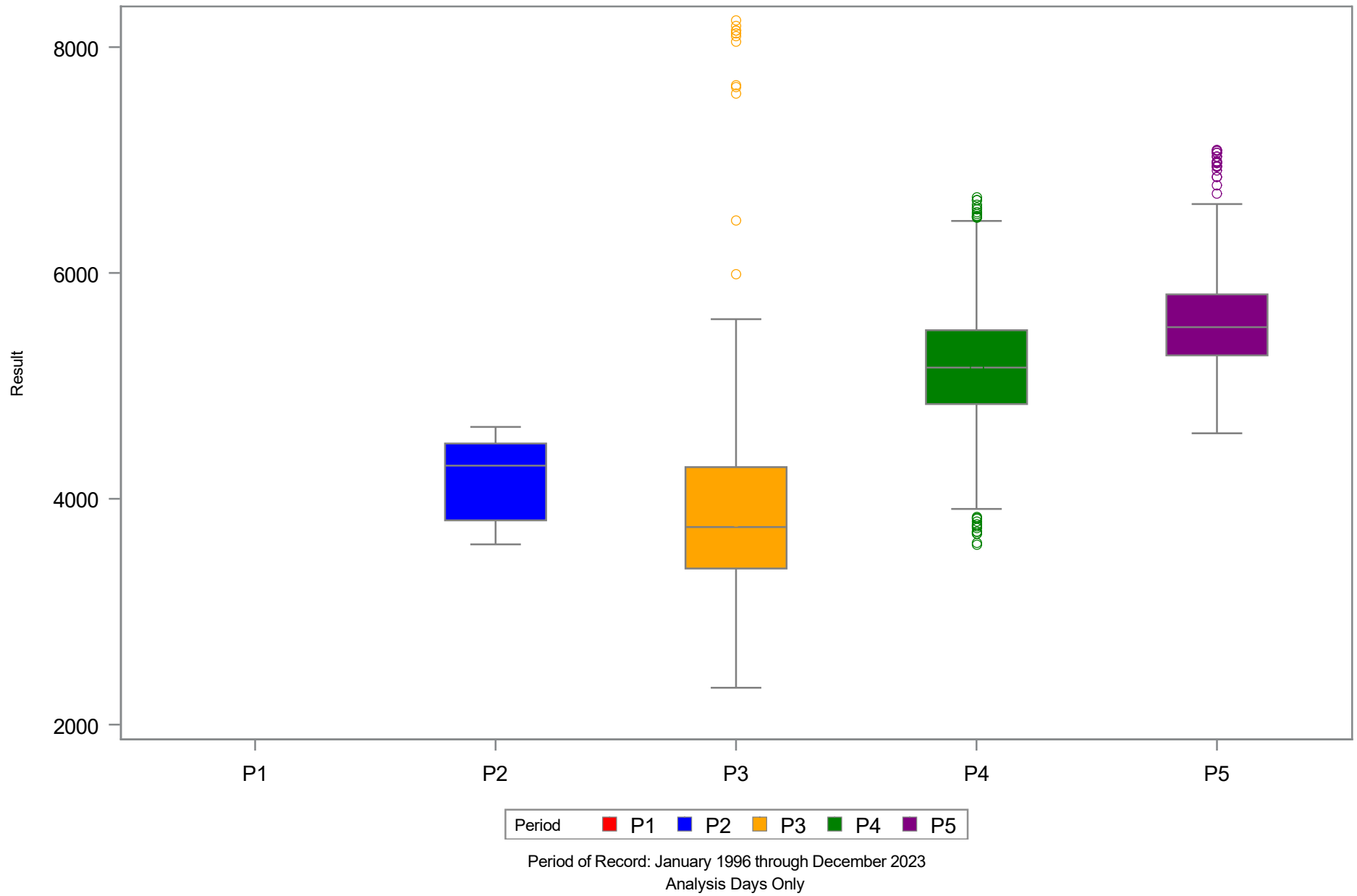
DRAFT Distributional Statistics by Period for Sulphur Springs Pool Surface Specific Conductance Daily Average (us/cm)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	64	3596.46	3808.96	4182.26	4293.44	4489.53	4636.35
P3	750	2326.46	3382.50	3816.65	3749.74	4280.42	8237.08
P4	586	3590.00	4838.96	5156.70	5161.81	5492.71	6669.48
P5	428	4580.00	5270.00	5599.65	5520.00	5810.00	7090.00

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

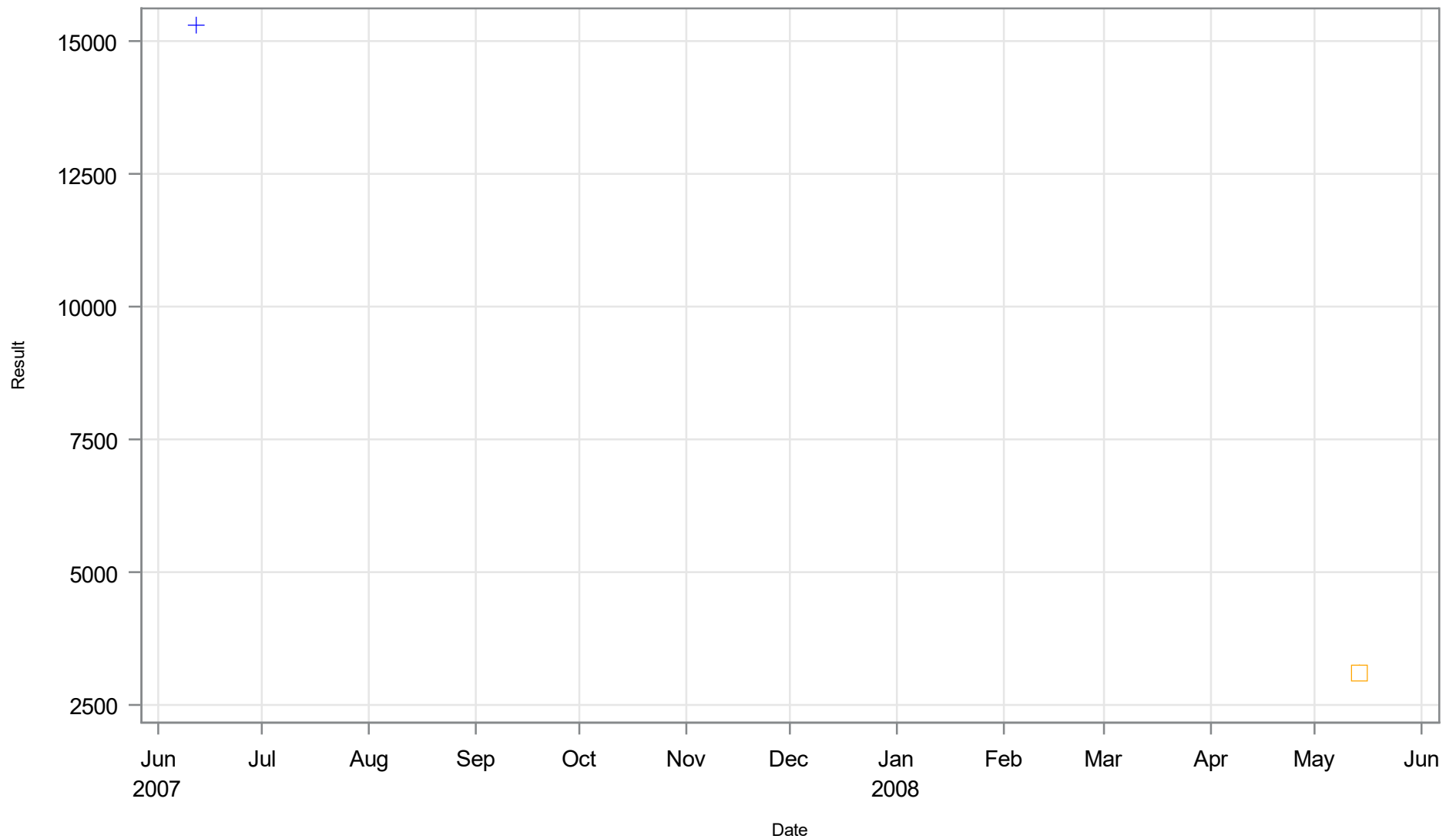
DRAFT

Boxplot by MFL Period for Sulphur Springs Pool Surface Specific Conductance Daily Average (us/cm)



DRAFT

Timeseries of Sulphur Springs Run Bottom Specific Conductance (us/cm)



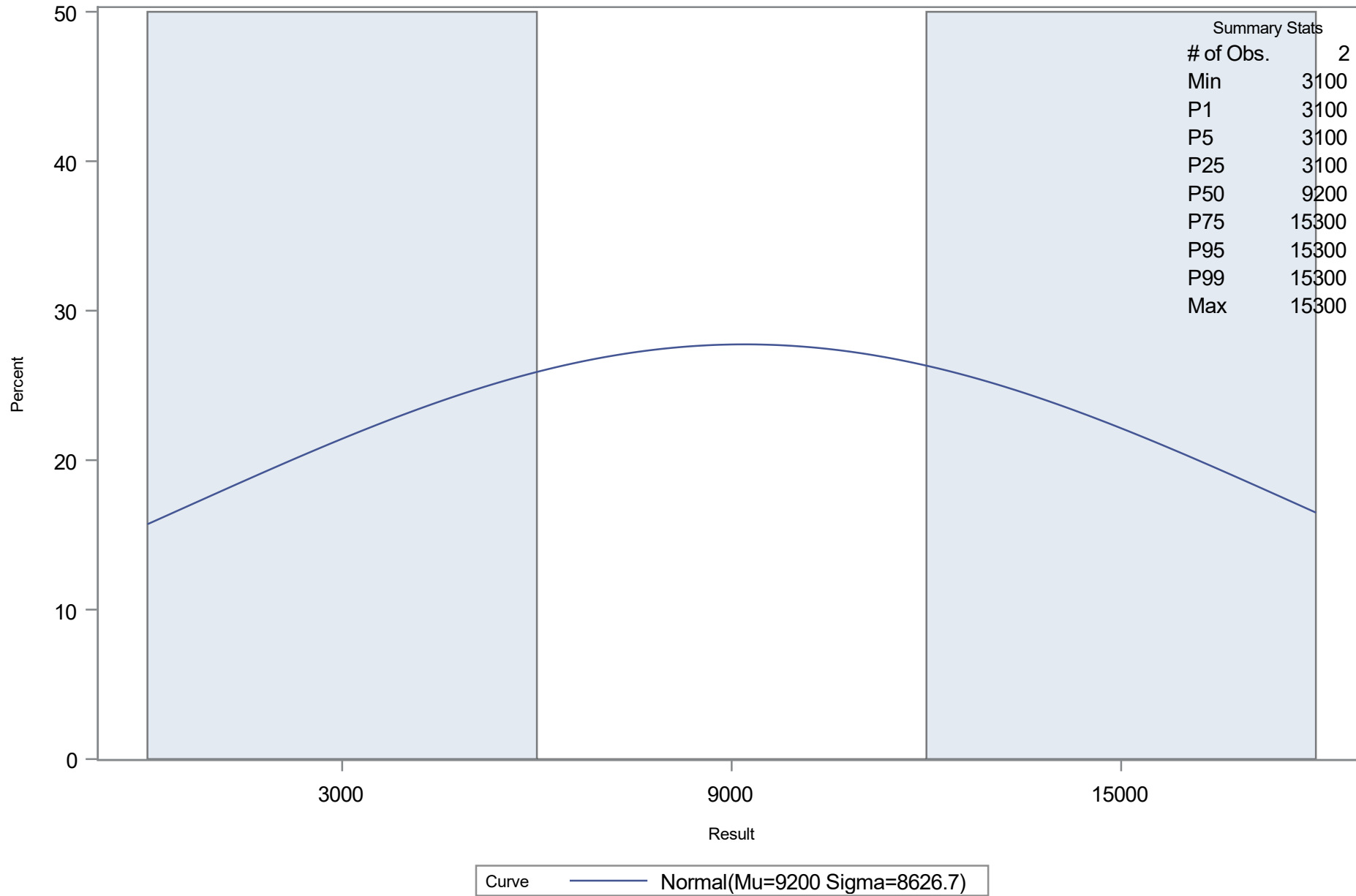
Period + P2 □ P3

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

DRAFT

Univariate Histogram of Sulphur Springs Run Bottom Specific Conductance (us/cm)

Distribution of Result



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

DRAFT**Univariate Histogram of Sulphur Springs Run Bottom Specific Conductance (us/cm)****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		
Percent	Quantile	
	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**

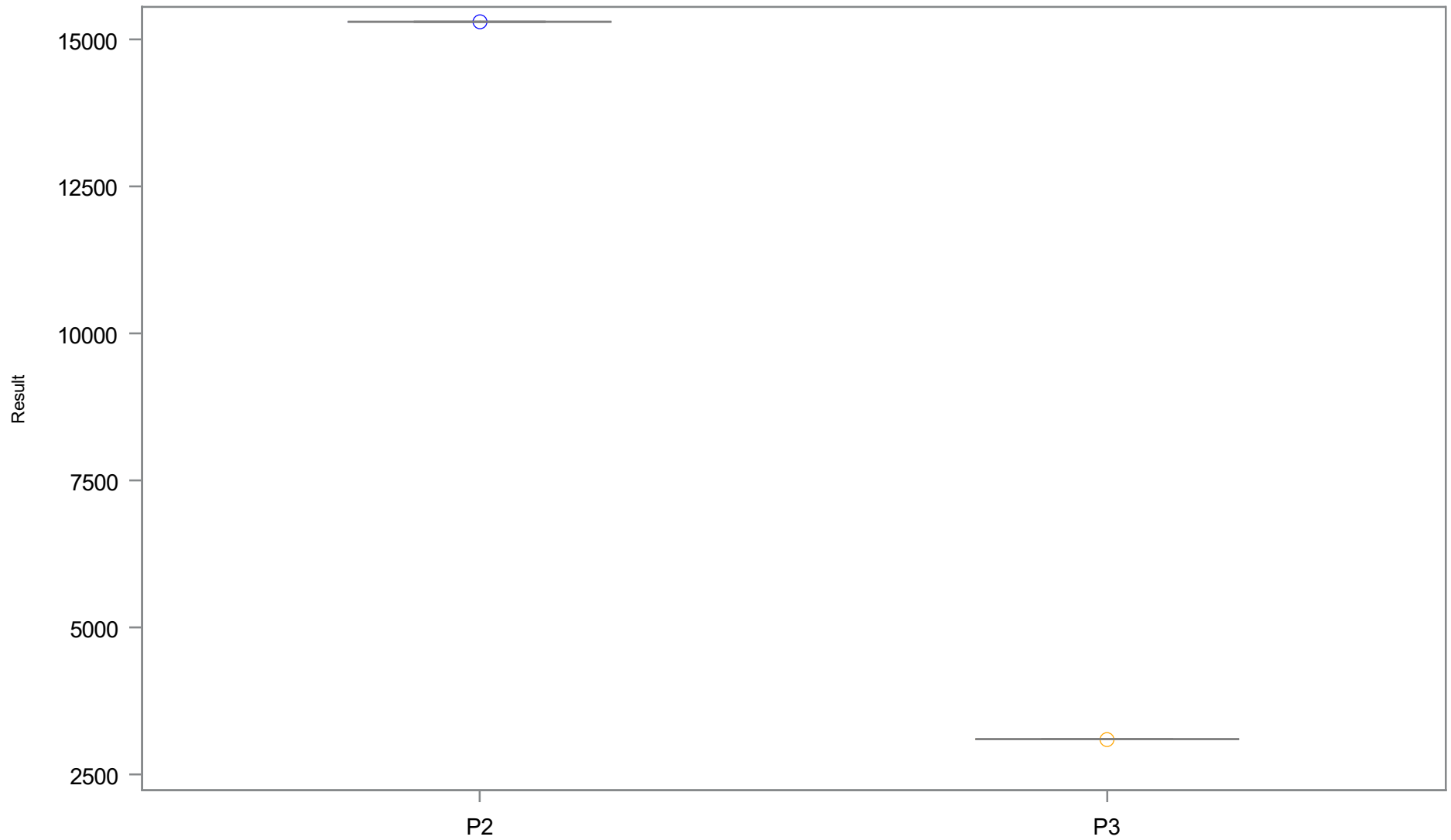
DRAFT Distributional Statistics by Period for Sulphur Springs Run Bottom Specific Conductance (us/cm)

	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 Sulphur Springs Run Bottom Specific Conductance (us/cm)

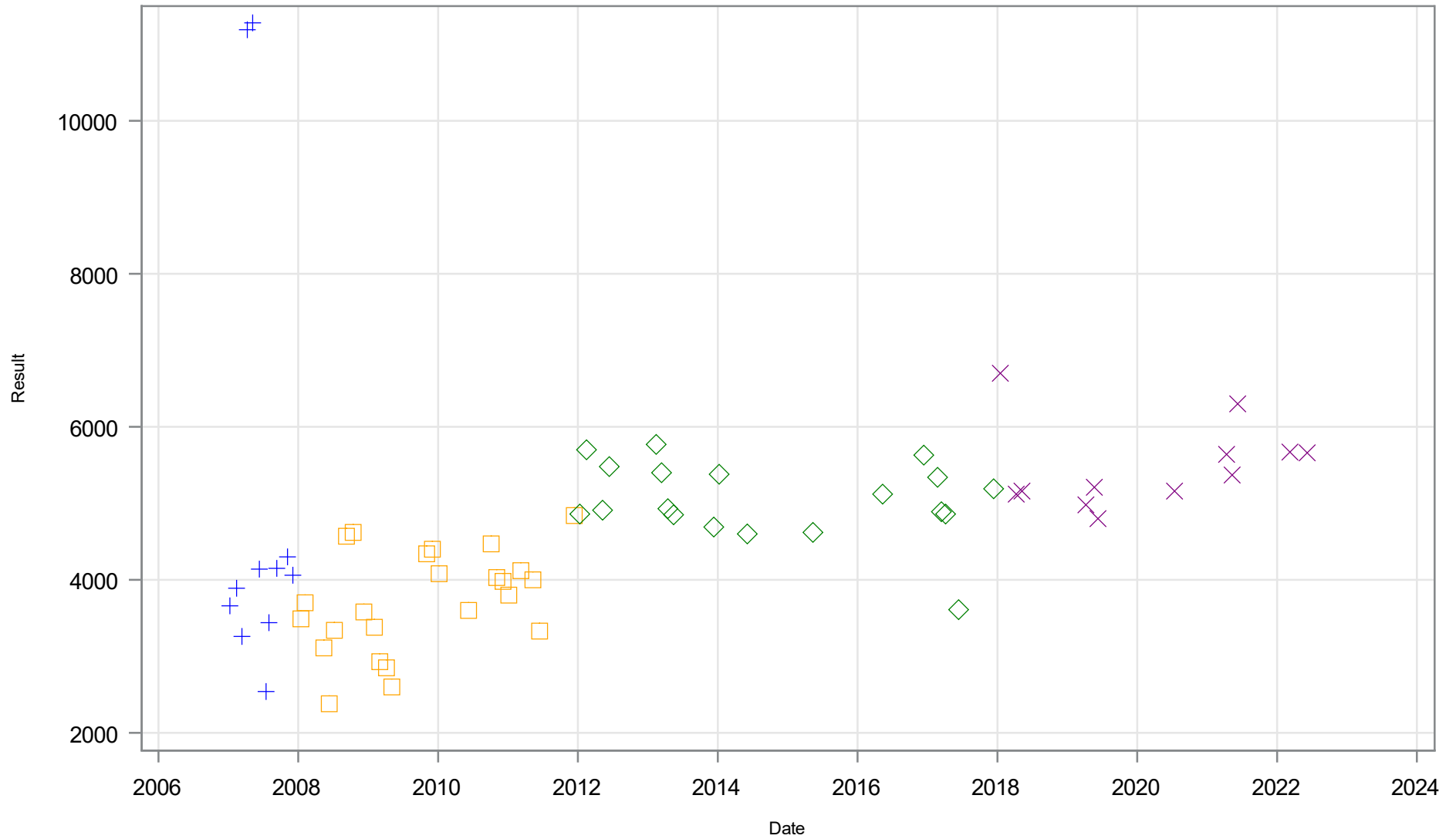


Period ■ P2 ■ P3

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

DRAFT

Timeseries of Sulphur Springs Run Midwater Specific Conductance (us/cm)



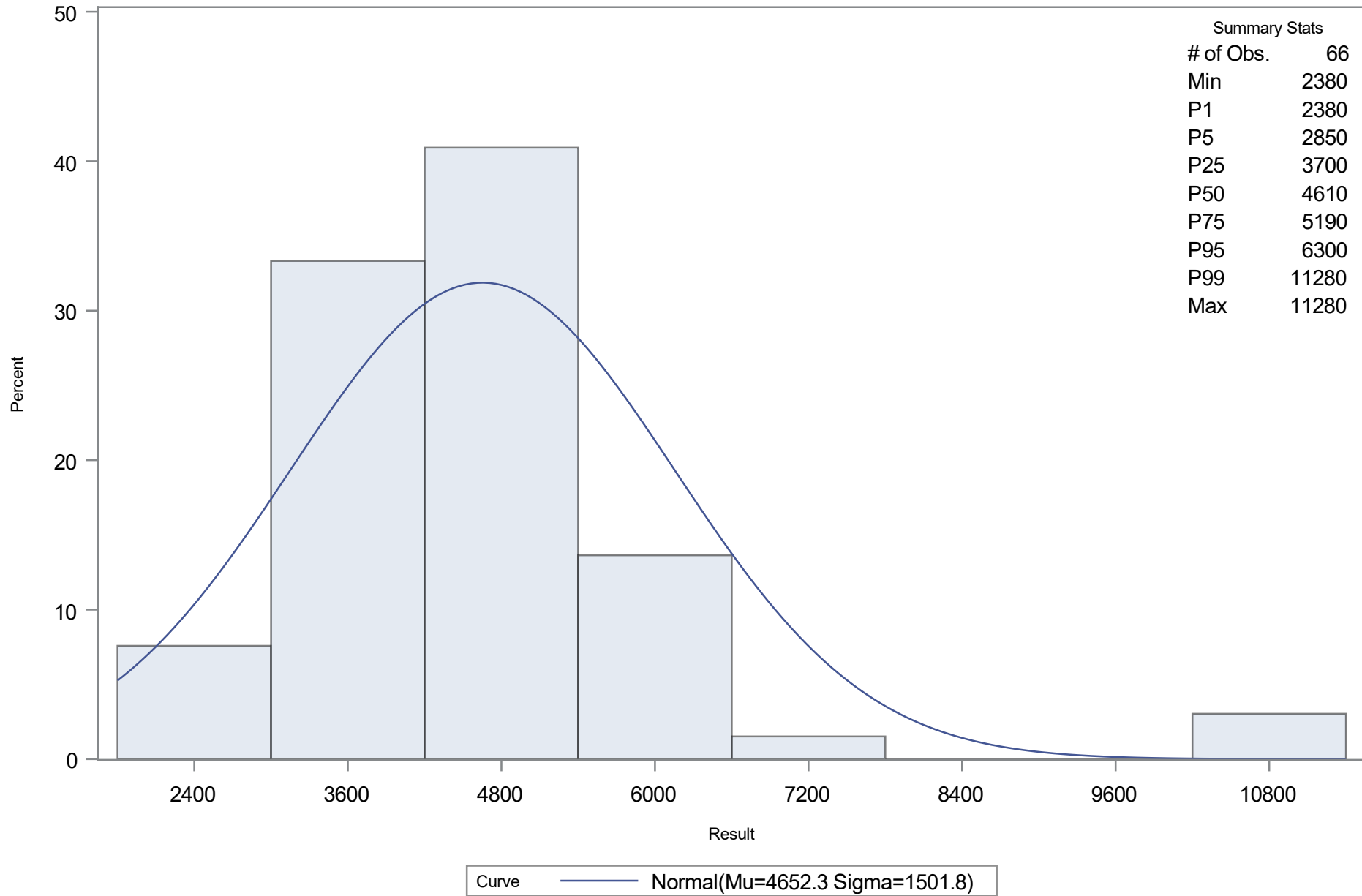
Period + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Midwater Specific Conductance (us/cm)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Midwater Specific Conductance (us/cm)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4652.273
Std Dev	Sigma	1501.816

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.16775644	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.35095541	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.64945614	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2380.00	1158.53
5.0	2850.00	2182.01
10.0	3260.00	2727.62
25.0	3700.00	3639.31
50.0	4610.00	4652.27
75.0	5190.00	5665.23
90.0	5670.00	6576.93
95.0	6300.00	7122.54
99.0	11280.00	8146.02

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

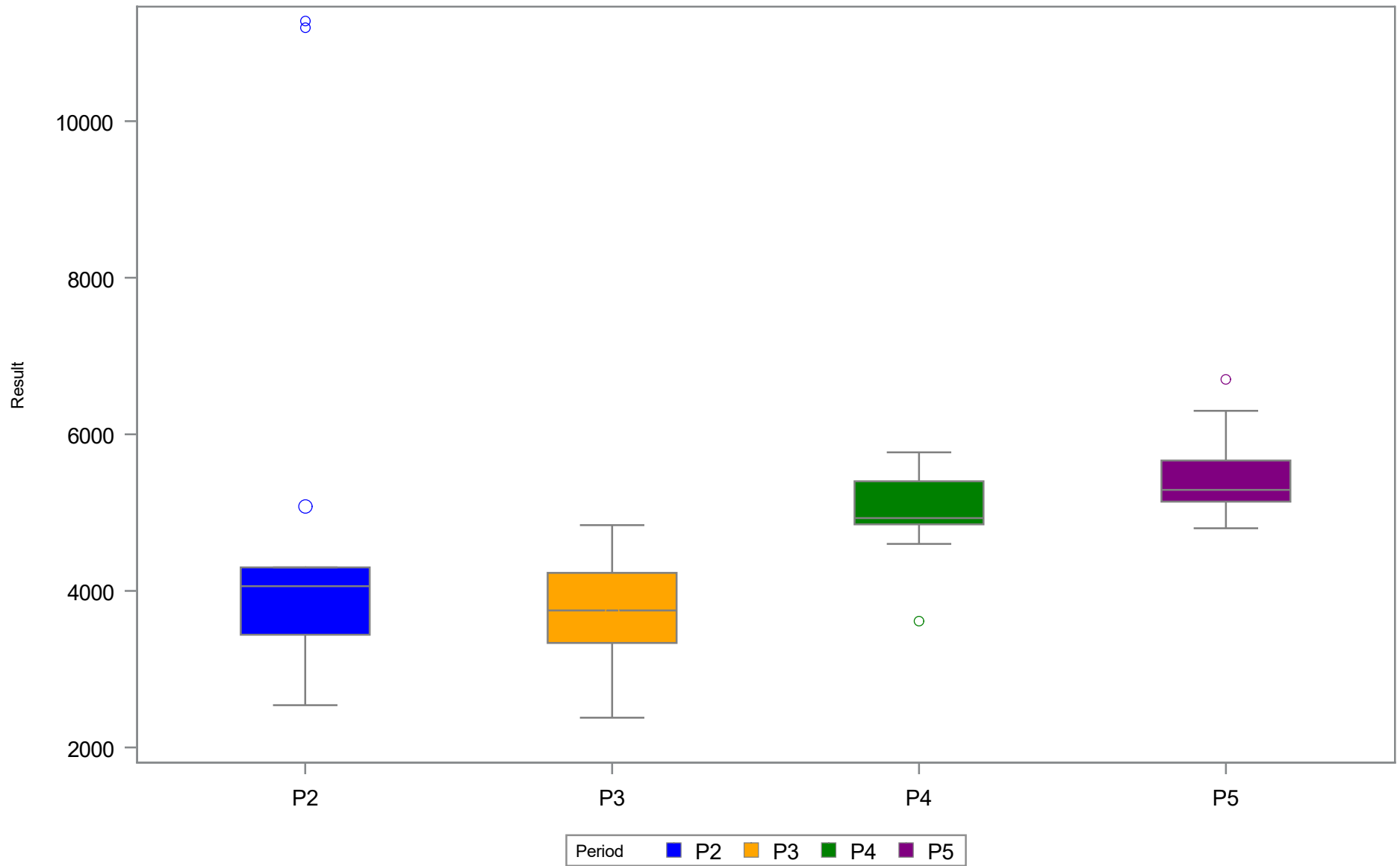
DRAFT Distributional Statistics by Period for Sulphur Springs Run Midwater Specific Conductance (us/cm)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	2540.00	3440.00	5082.73	4060.00	4300.00	11280.00
P3	24	2380.00	3335.00	3730.83	3750.00	4230.00	4840.00
P4	19	3610.00	4850.00	5043.68	4930.00	5400.00	5770.00
P5	12	4800.00	5140.00	5480.83	5290.00	5665.00	6700.00

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

DRAFT

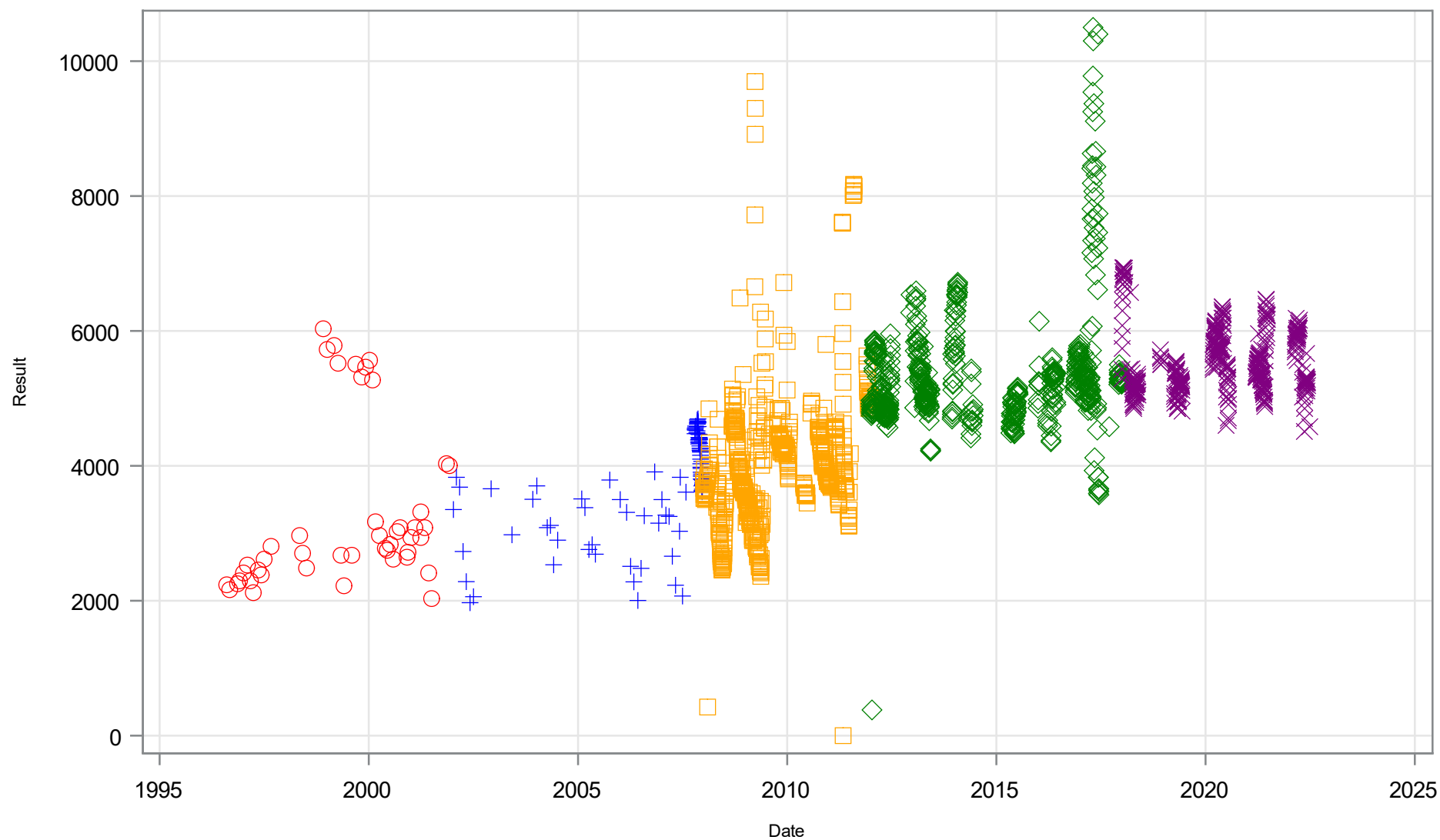
Boxplot by MFL Period for Sulphur Springs Run Midwater Specific Conductance (us/cm)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Specific Conductance (us/cm)



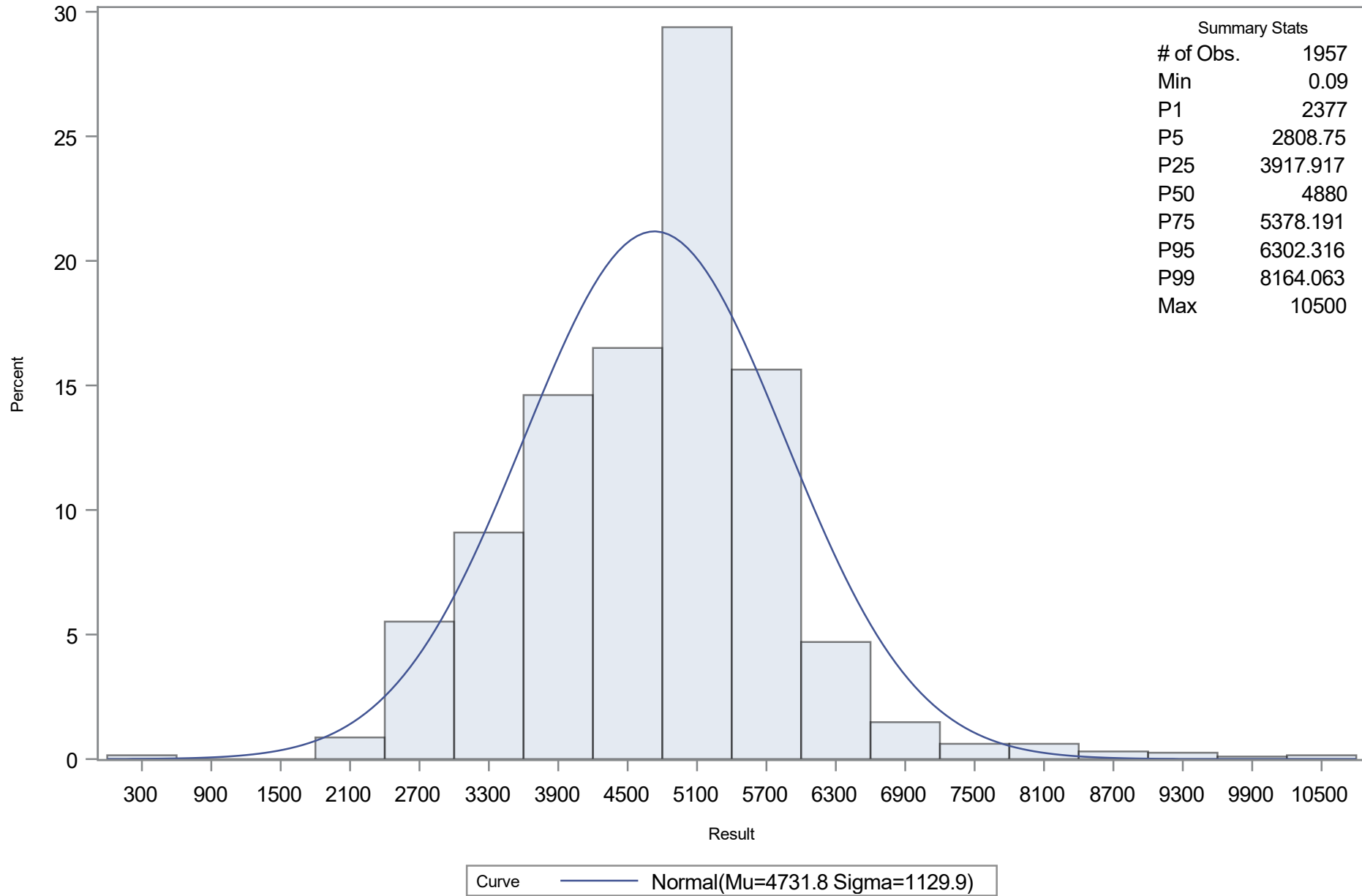
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Specific Conductance (us/cm)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4731.823
Std Dev	Sigma	1129.946

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0597662	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.0902003	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	12.9491942	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2377.00	2103.17
5.0	2808.75	2873.23
10.0	3270.00	3283.74
25.0	3917.92	3969.69
50.0	4880.00	4731.82
75.0	5378.19	5493.96
90.0	5880.00	6179.91
95.0	6302.32	6590.42
99.0	8164.06	7360.47

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

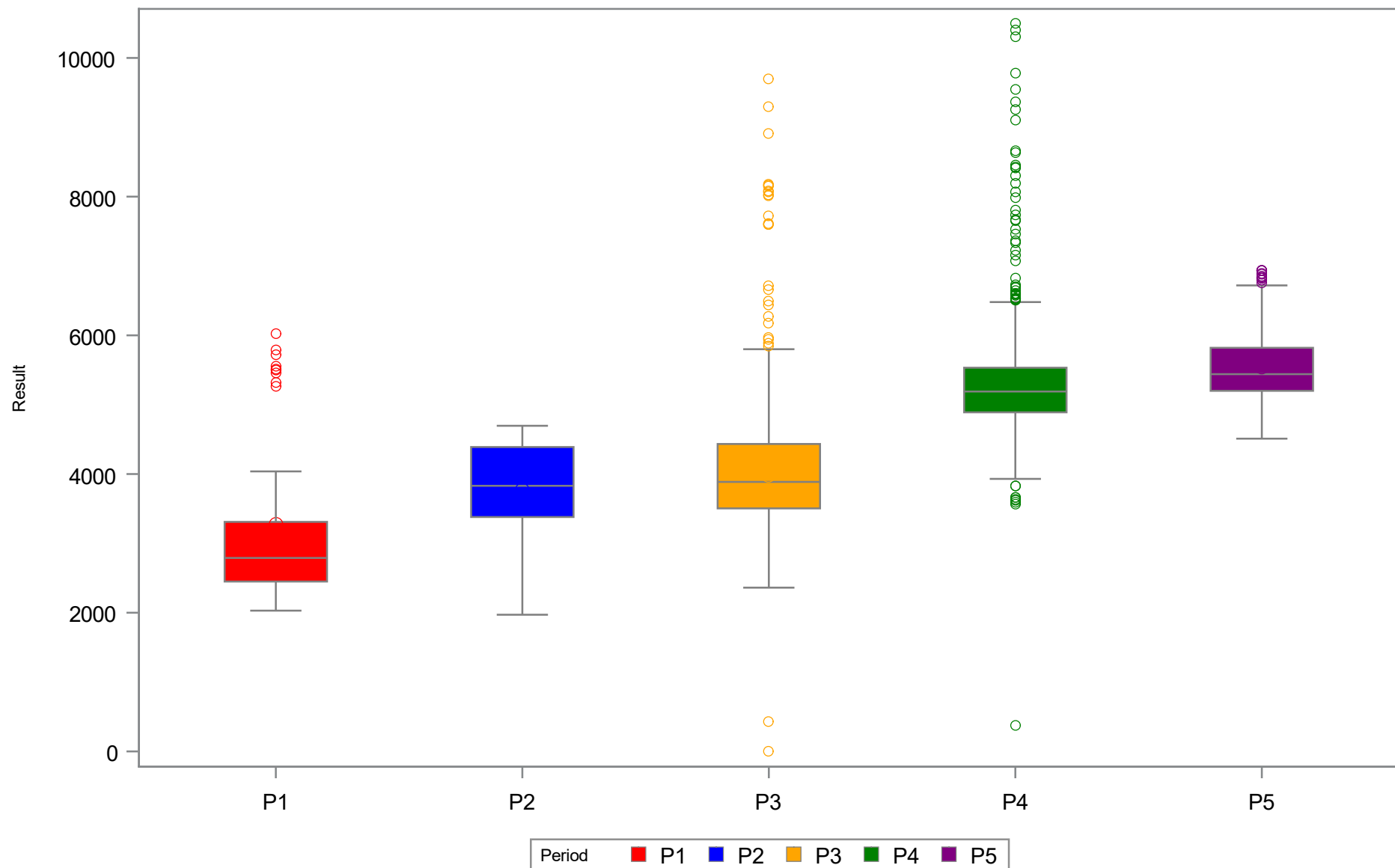
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Specific Conductance (us/cm)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	2030.00	2450.00	3279.02	2790.00	3310.00	6026.00
P2	105	1971.00	3380.00	3773.85	3830.00	4389.48	4695.73
P3	754	0.09	3504.38	3983.56	3886.41	4433.33	9697.81
P4	609	381.00	4890.00	5340.89	5190.00	5533.01	10500.00
P5	443	4510.00	5200.00	5546.01	5440.00	5820.00	6940.00

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

DRAFT

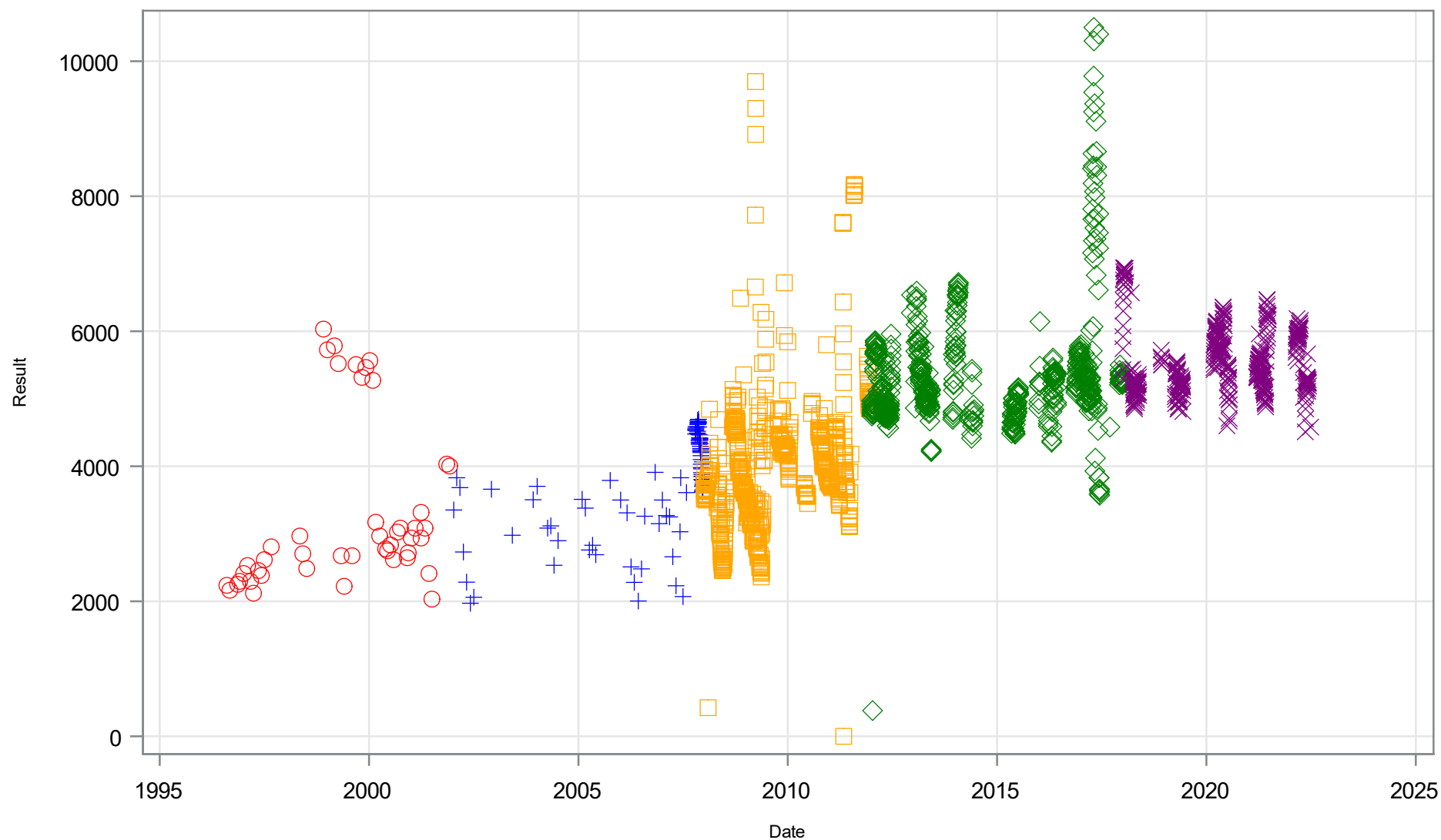
Boxplot by MFL Period for Sulphur Springs Run Surface Specific Conductance (us/cm)



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

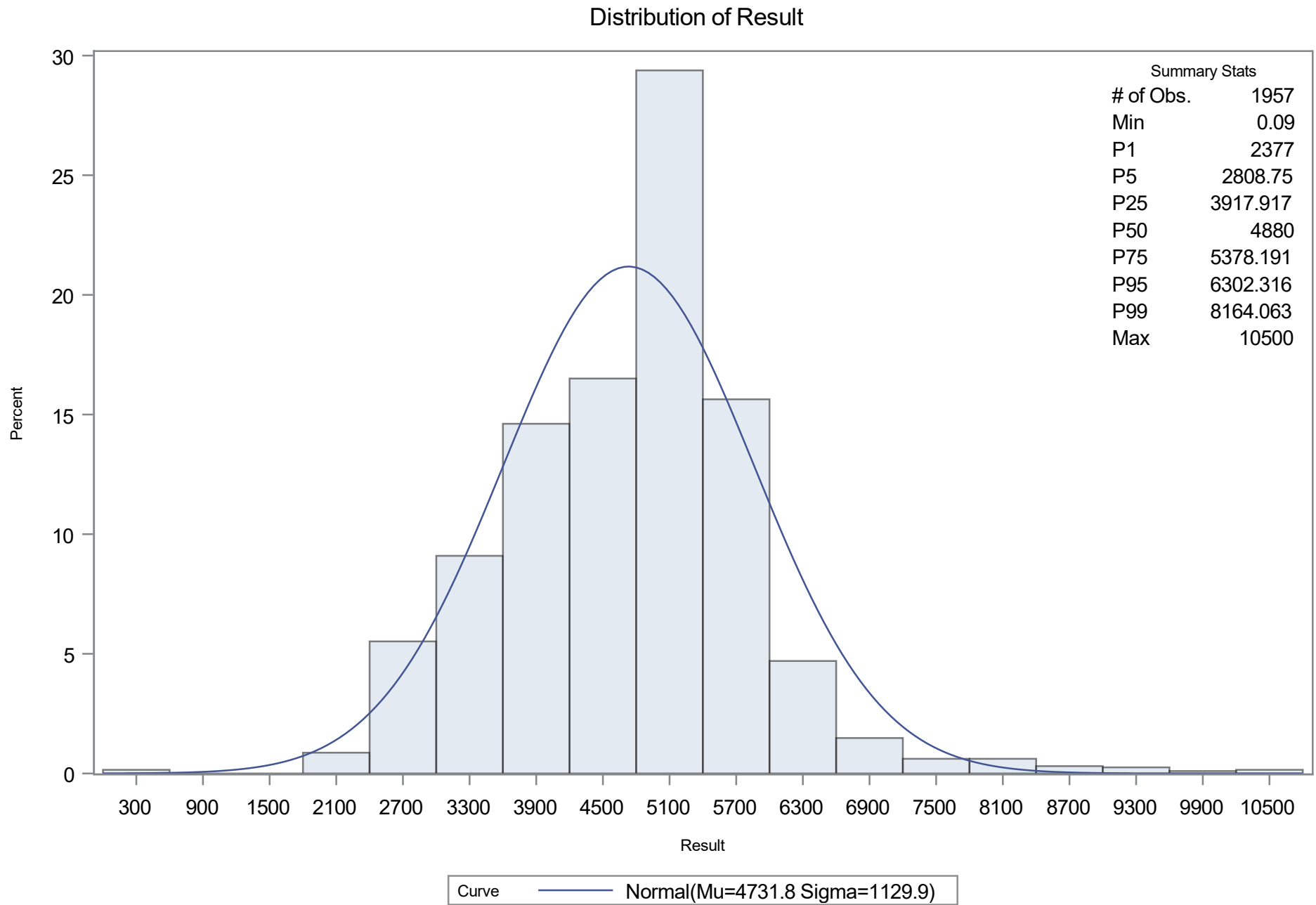
DRAFT

Timeseries of Sulphur Springs Run Surface Specific Conductance Daily Average (us/cm)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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



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

DRAFT Univariate Histogram of Sulphur Springs Run Surface Specific Conductance Daily Average (us/cm)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4731.823
Std Dev	Sigma	1129.946

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0597662	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.0902003	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	12.9491942	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2377.00	2103.17
5.0	2808.75	2873.23
10.0	3270.00	3283.74
25.0	3917.92	3969.69
50.0	4880.00	4731.82
75.0	5378.19	5493.96
90.0	5880.00	6179.91
95.0	6302.32	6590.42
99.0	8164.06	7360.47

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

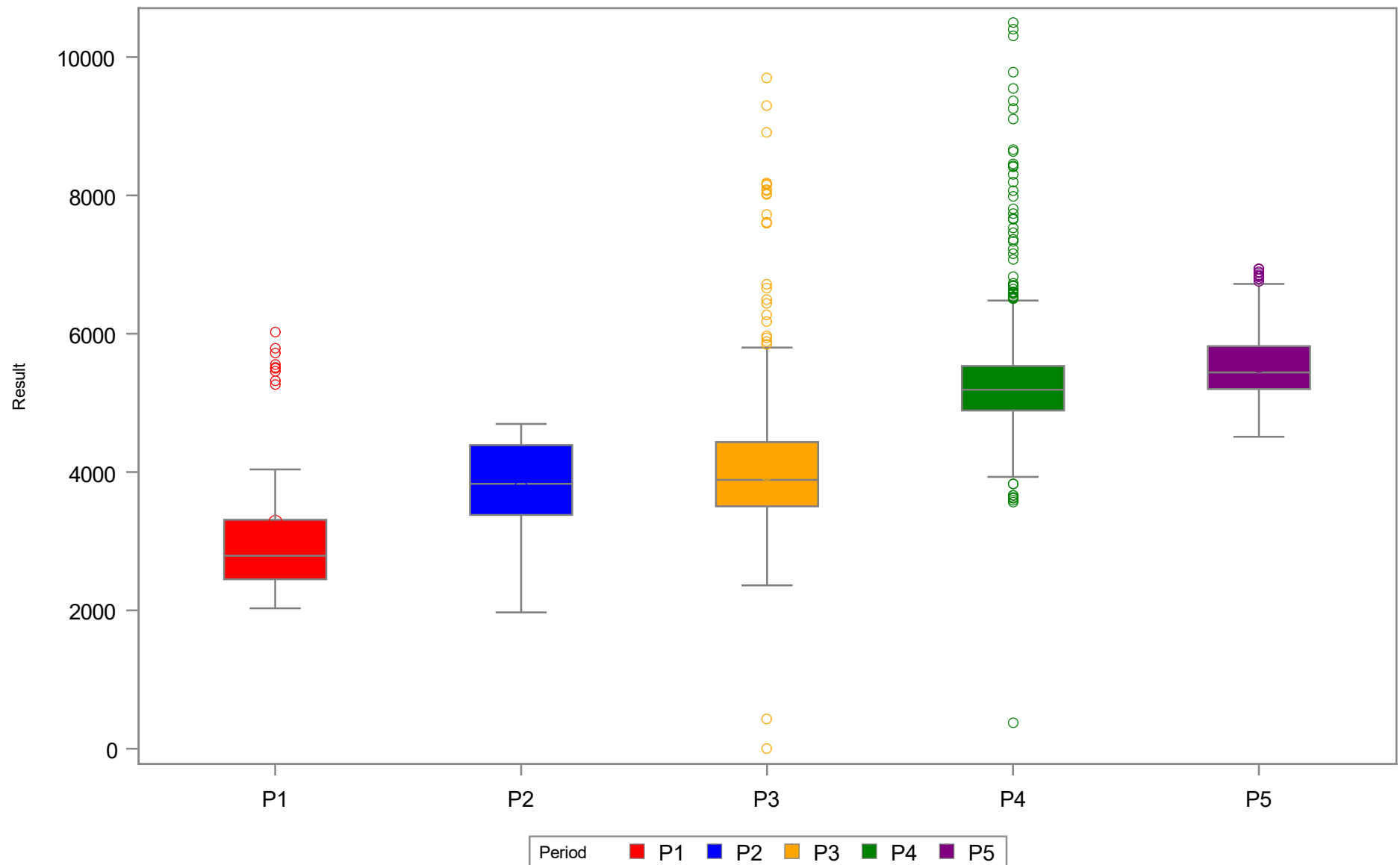
DRAFT Descriptive Statistics by Period for Sulphur Springs Run Surface Specific Conductance Daily Average (us/cm)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	2030.00	2450.00	3279.02	2790.00	3310.00	6026.00
P2	105	1971.00	3380.00	3773.85	3830.00	4389.48	4695.73
P3	754	0.09	3504.38	3983.56	3886.41	4433.33	9697.81
P4	609	381.00	4890.00	5340.89	5190.00	5533.01	10500.00
P5	443	4510.00	5200.00	5546.01	5440.00	5820.00	6940.00

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

DRAFT

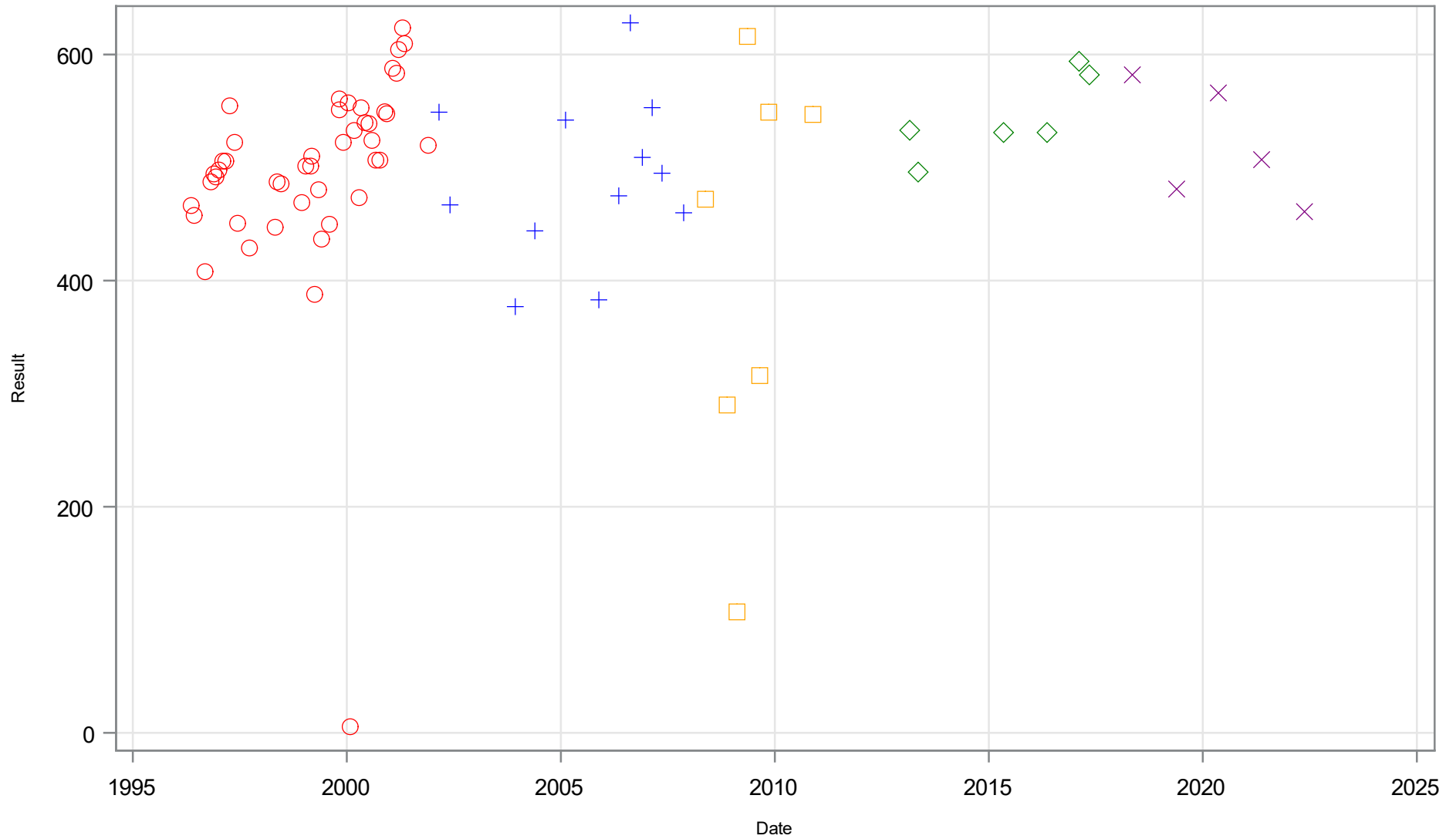
Boxplot by MFL Period for Sulphur Springs Run Surface Specific Conductance Daily Average (us/cm)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Specific Conductance (us/cm)



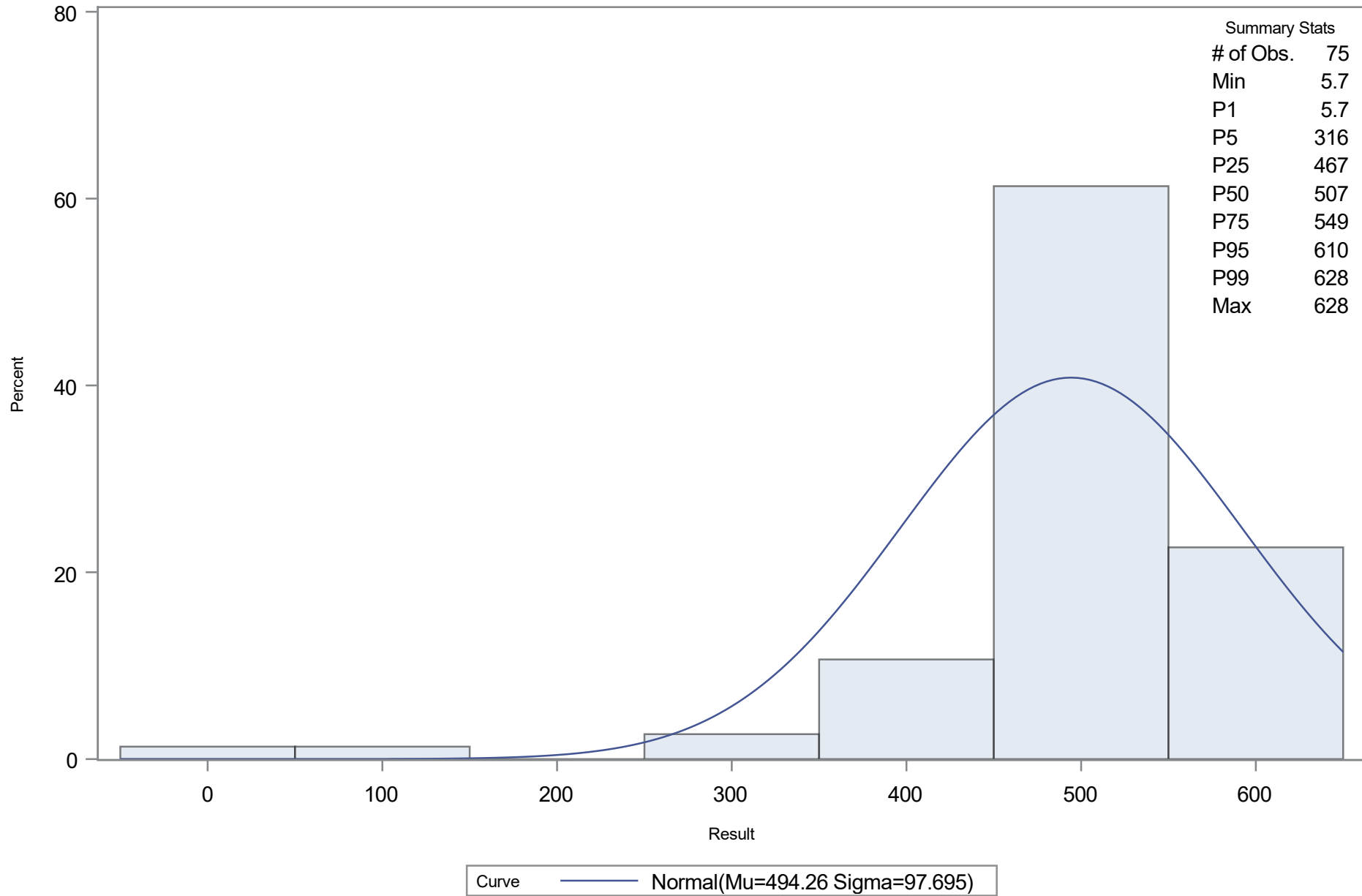
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Specific Conductance (us/cm)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	494.2627
Std Dev	Sigma	97.69545

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.17012378	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.60268631	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.67699971	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	5.70000	266.989
5.0	316.00000	333.568
10.0	408.00000	369.061
25.0	467.00000	428.368
50.0	507.00000	494.263
75.0	549.00000	560.157
90.0	583.00000	619.464
95.0	610.00000	654.957
99.0	628.00000	721.536

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

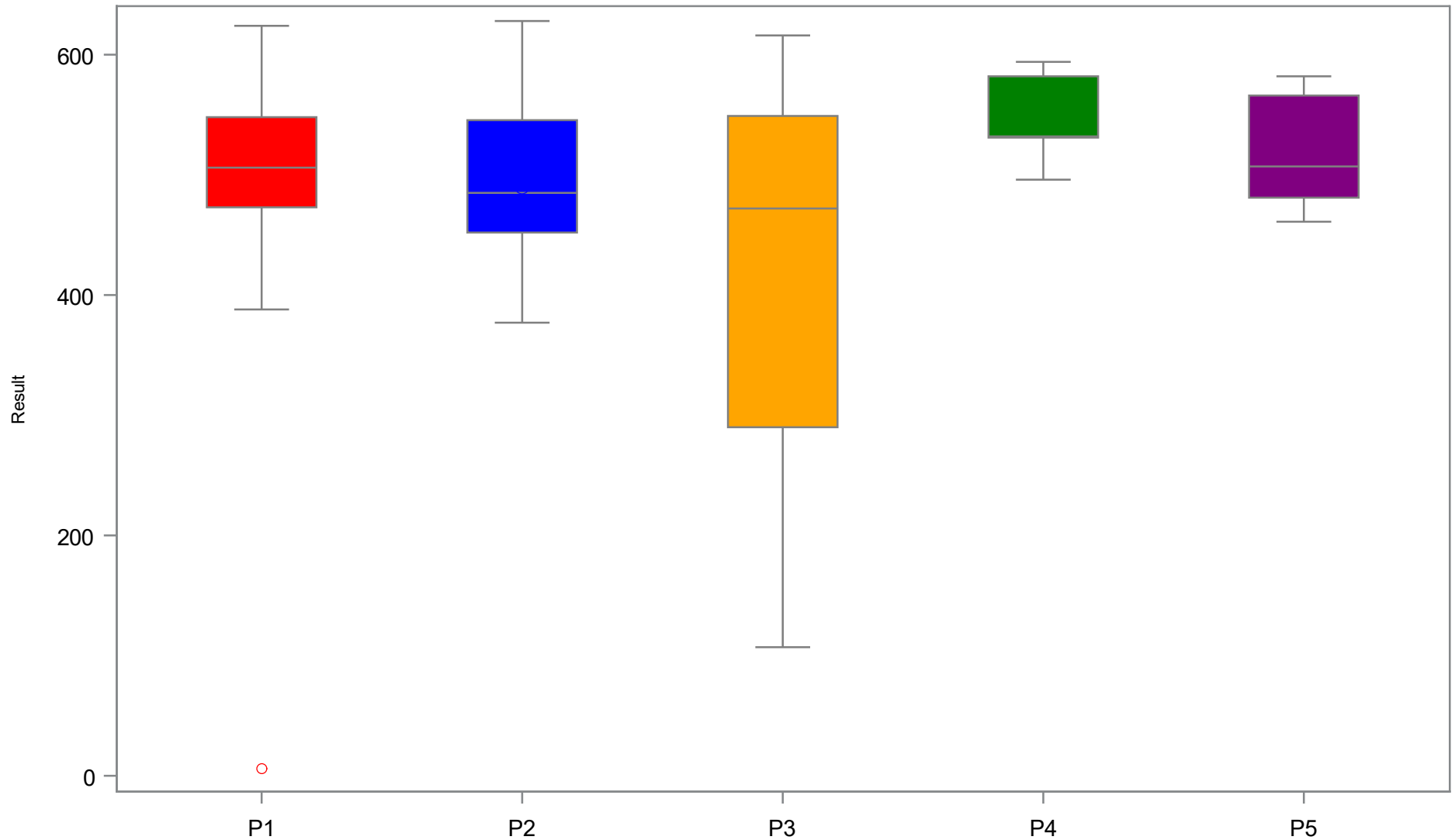
DRAFT Distributional Statistics by Period for Tampa Bypass Canal Surface Specific Conductance (us/cm)

	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	5	461.00	481.00	519.40	507.00	566.00	582.00

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

DRAFT

Boxplot by MFL Period for Tampa Bypass Canal Surface Specific Conductance (us/cm)

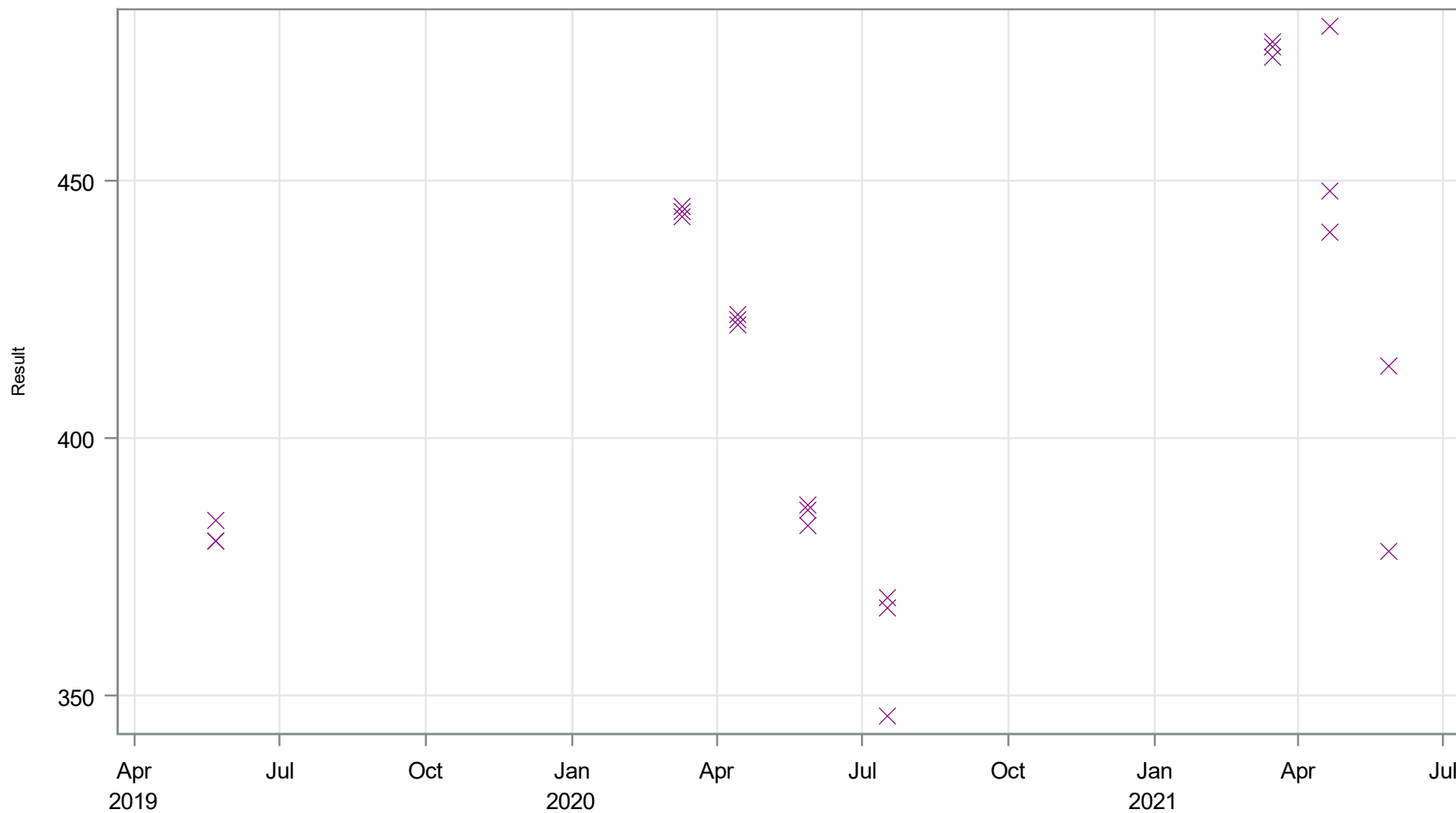


Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Bottom Specific Conductance (us/cm)



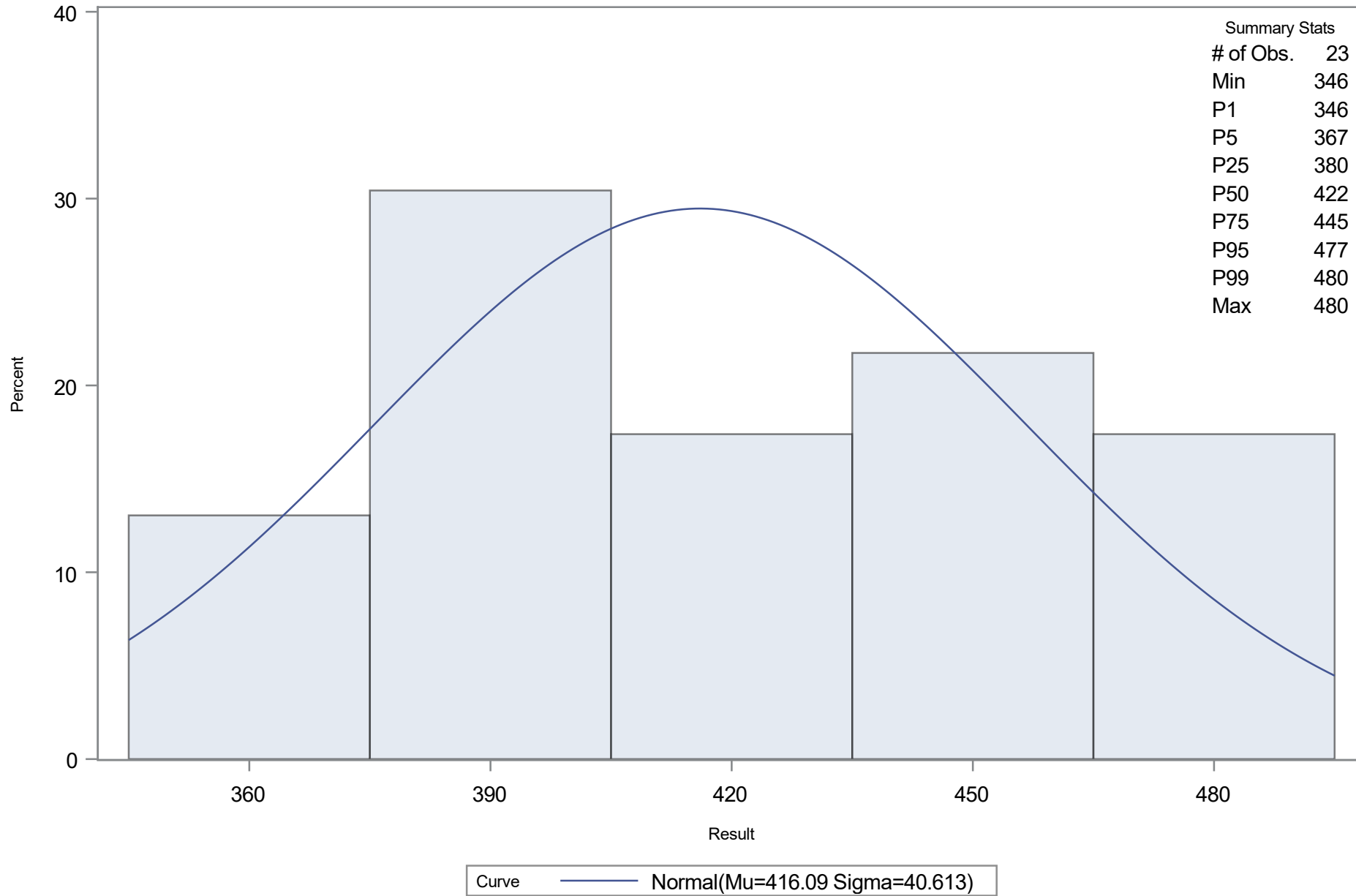
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Bottom Specific Conductance (us/cm)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Bottom Specific Conductance (us/cm)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	416.087
Std Dev	Sigma	40.61338

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.19784605	Pr > D	0.020
Cramer-von Mises	W-Sq	0.10689066	Pr > W-Sq	0.088
Anderson-Darling	A-Sq	0.65729419	Pr > A-Sq	0.079

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	346.000	321.606
5.0	367.000	349.284
10.0	369.000	364.039
25.0	380.000	388.694
50.0	422.000	416.087
75.0	445.000	443.480
90.0	476.000	468.135
95.0	477.000	482.890
99.0	480.000	510.568

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

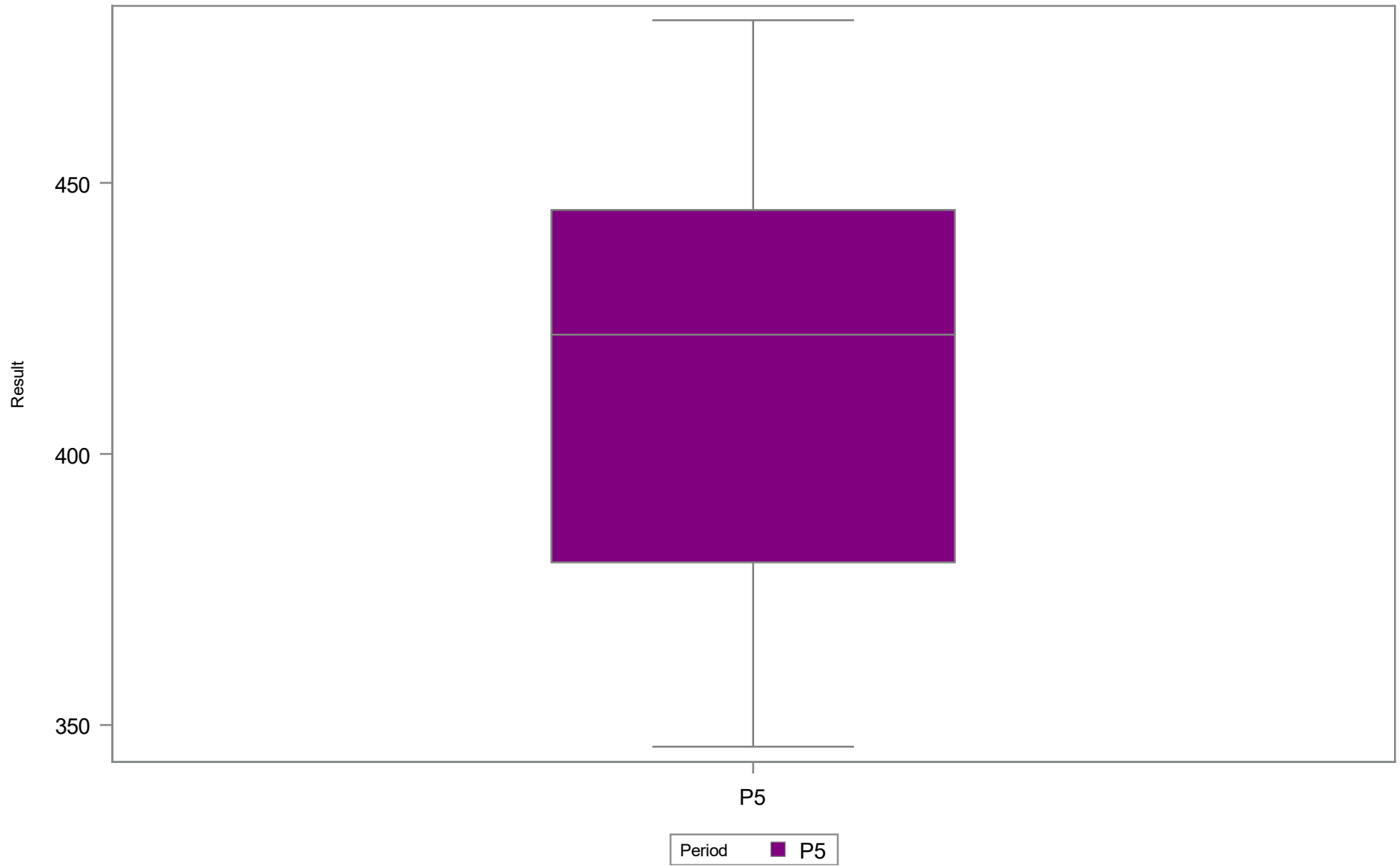
DRAFT Distributional Statistics by Period for Moris Bridge Sink Bottom Specific Conductance (us/cm)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	23	346.00	380.00	416.09	422.00	445.00	480.00

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

DRAFT

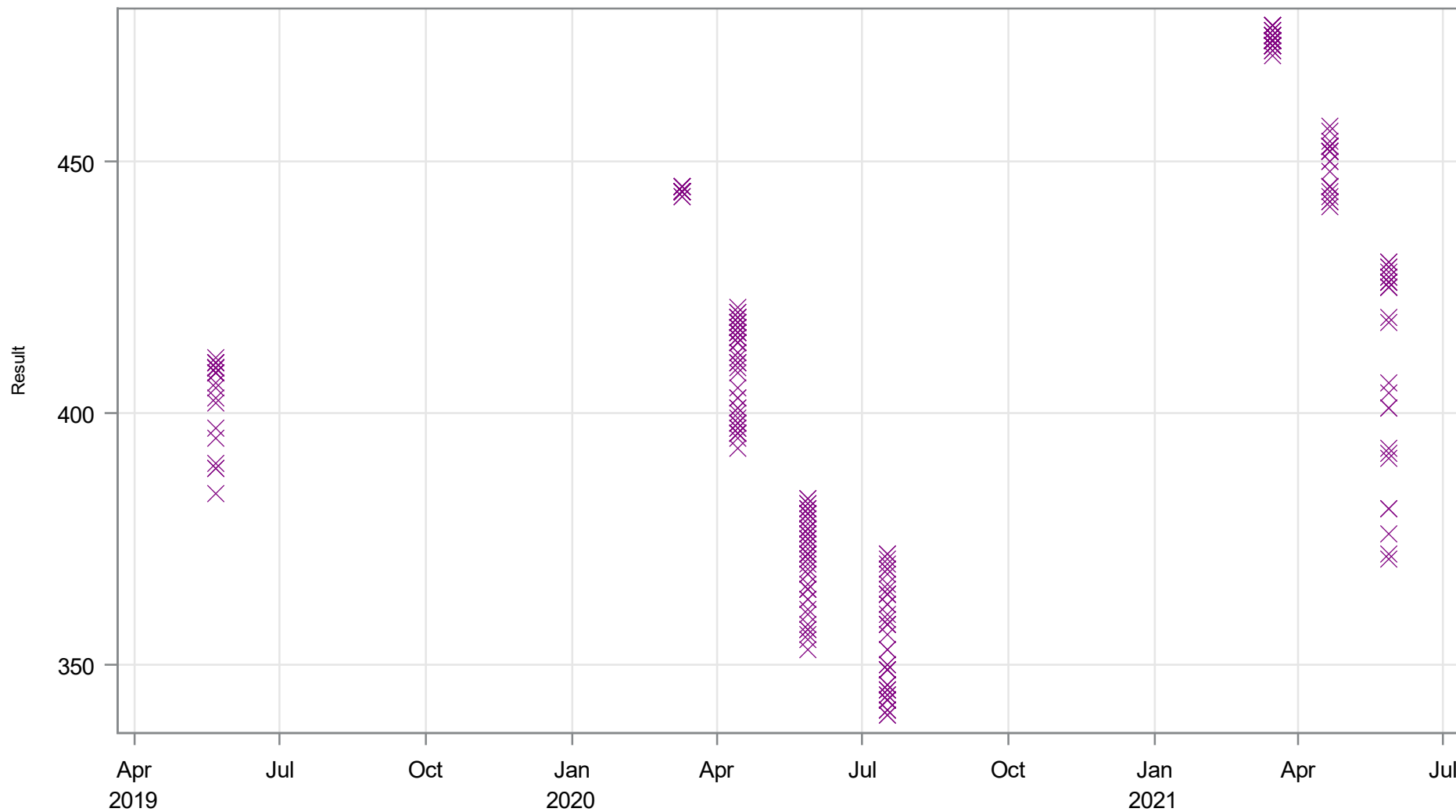
Boxplot by MFL Period for Moris Bridge Sink Bottom Specific Conductance (us/cm)



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

DRAFT

Timeseries of Moris Bridge Sink Midwater Specific Conductance (us/cm)



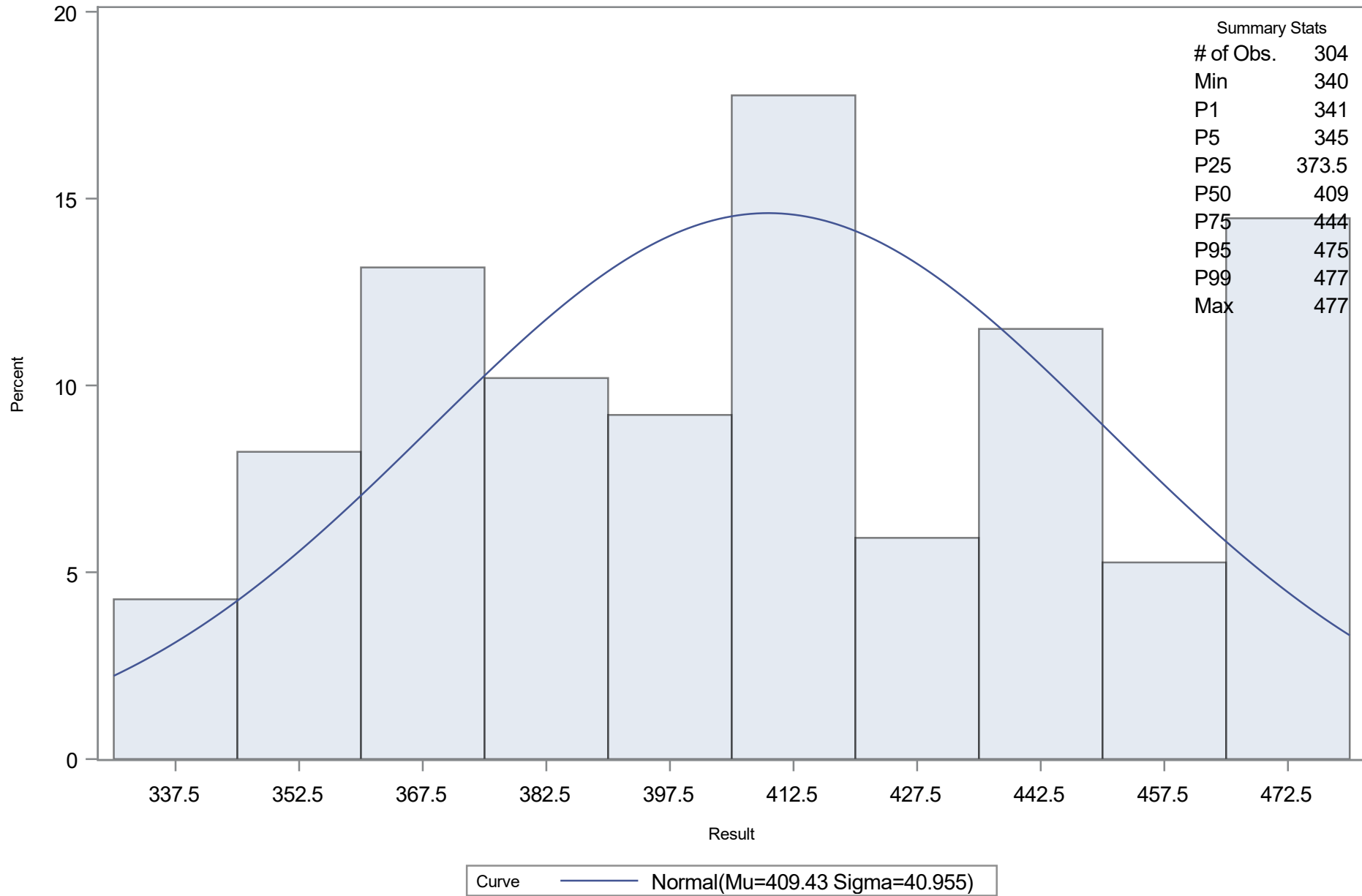
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Midwater Specific Conductance (us/cm)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Midwater Specific Conductance (us/cm)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	409.4309
Std Dev	Sigma	40.95488

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09642662	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.49109638	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.91203495	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	341.000	314.156
5.0	345.000	342.066
10.0	356.000	356.945
25.0	373.500	381.807
50.0	409.000	409.431
75.0	444.000	437.055
90.0	474.000	461.917
95.0	475.000	476.796
99.0	477.000	504.706

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

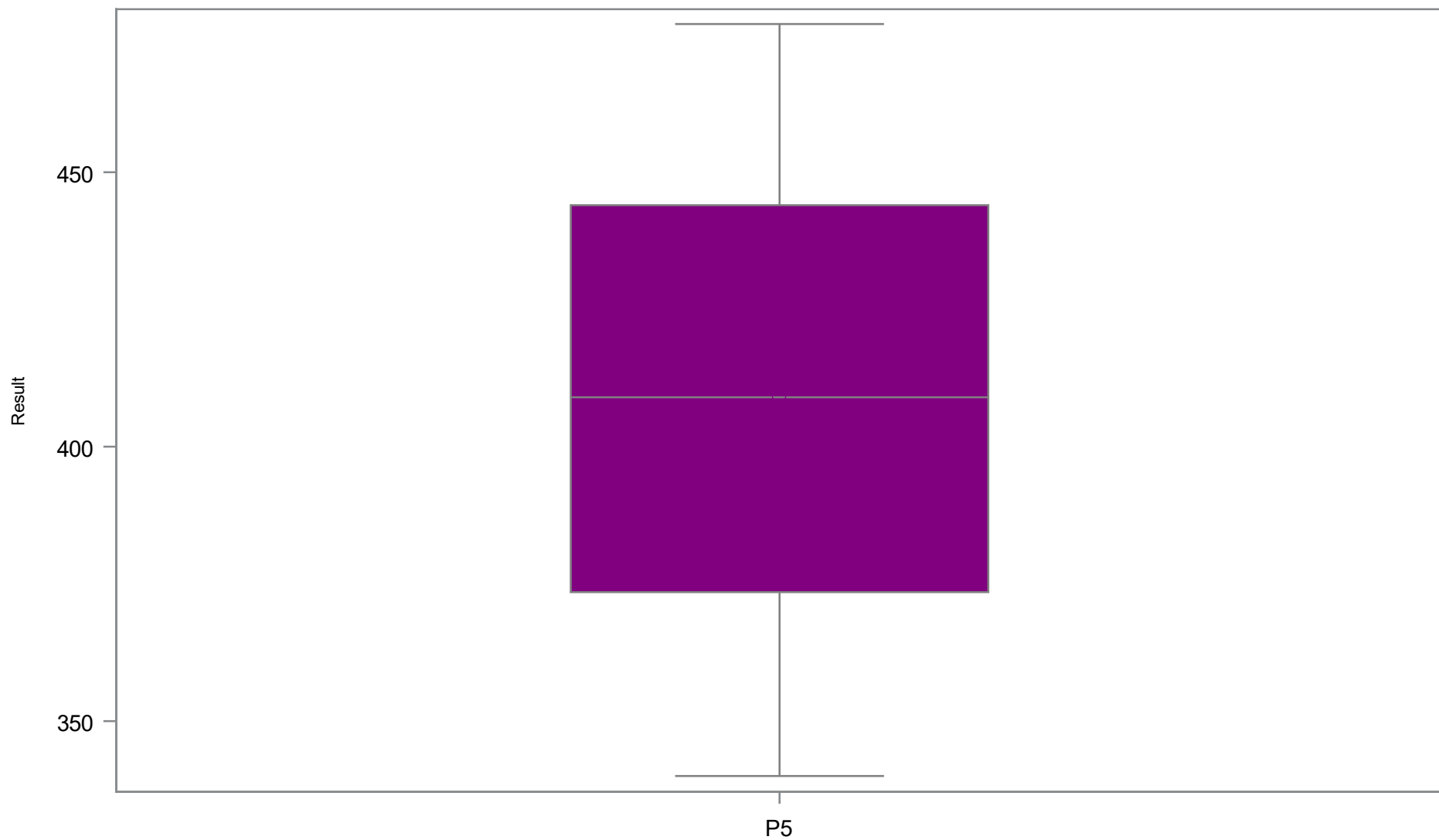
DRAFT Distributional Statistics by Period for Moris Bridge Sink Midwater Specific Conductance (us/cm)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	304	340.00	373.50	409.43	409.00	444.00	477.00

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Midwater Specific Conductance (us/cm)

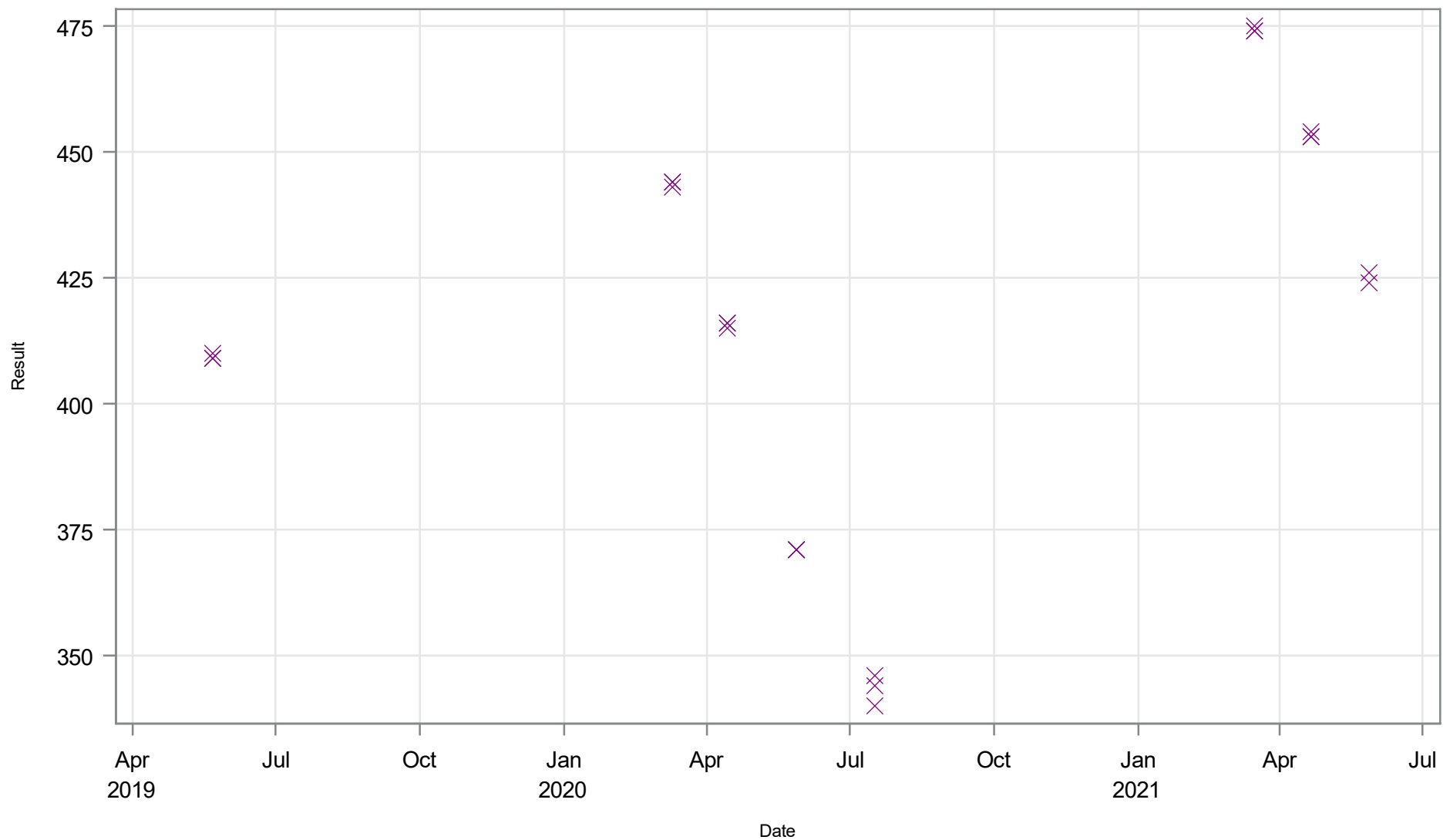


Period ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Surface Specific Conductance (us/cm)



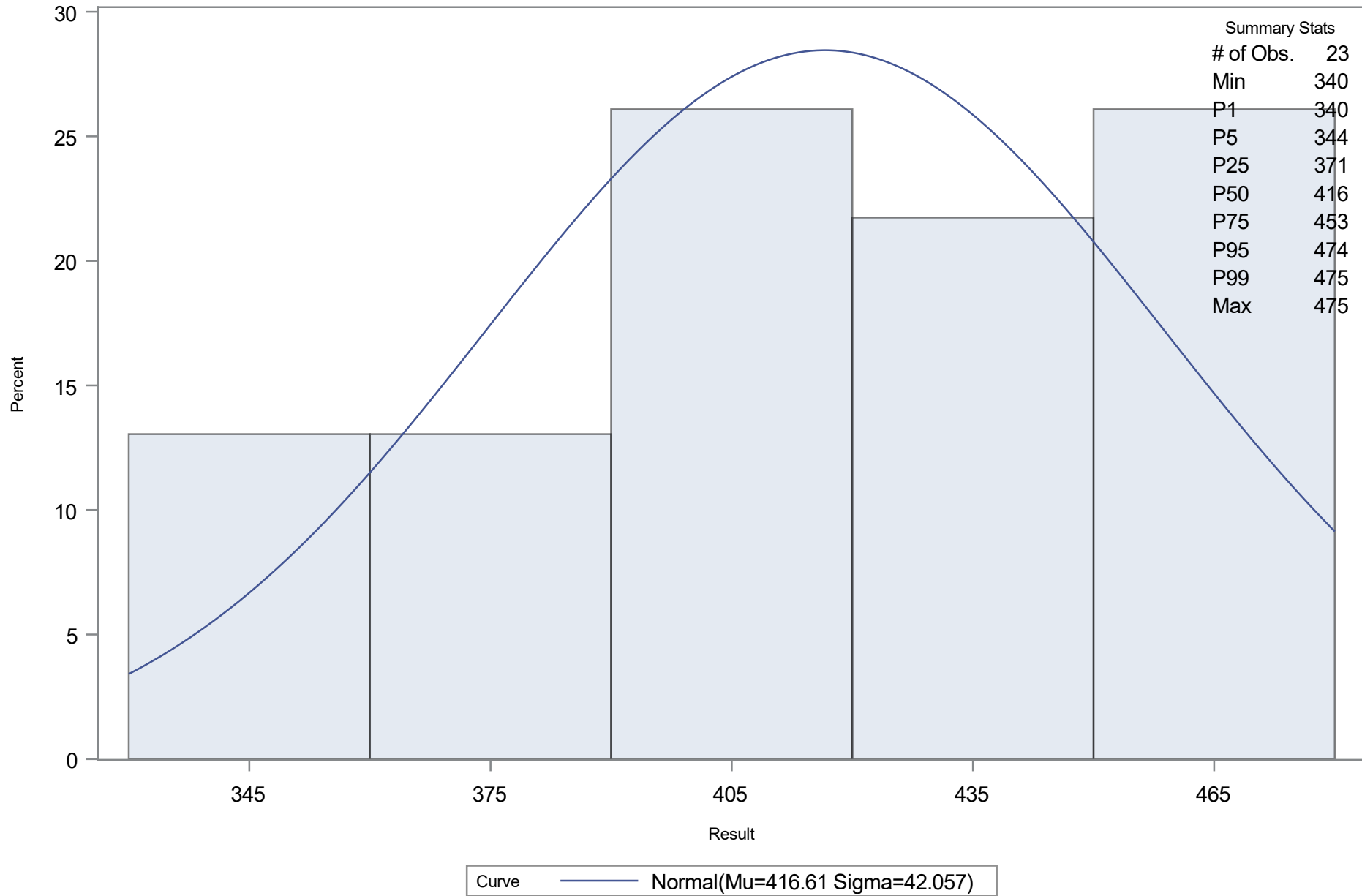
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Specific Conductance (us/cm)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	416.6087
Std Dev	Sigma	42.05704

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.16734808	Pr > D	0.092
Cramer-von Mises	W-Sq	0.08928801	Pr > W-Sq	0.149
Anderson-Darling	A-Sq	0.57933720	Pr > A-Sq	0.122

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	340.000	318.769
5.0	344.000	347.431
10.0	346.000	362.710
25.0	371.000	388.242
50.0	416.000	416.609
75.0	453.000	444.976
90.0	474.000	470.507
95.0	474.000	485.786
99.0	475.000	514.448

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

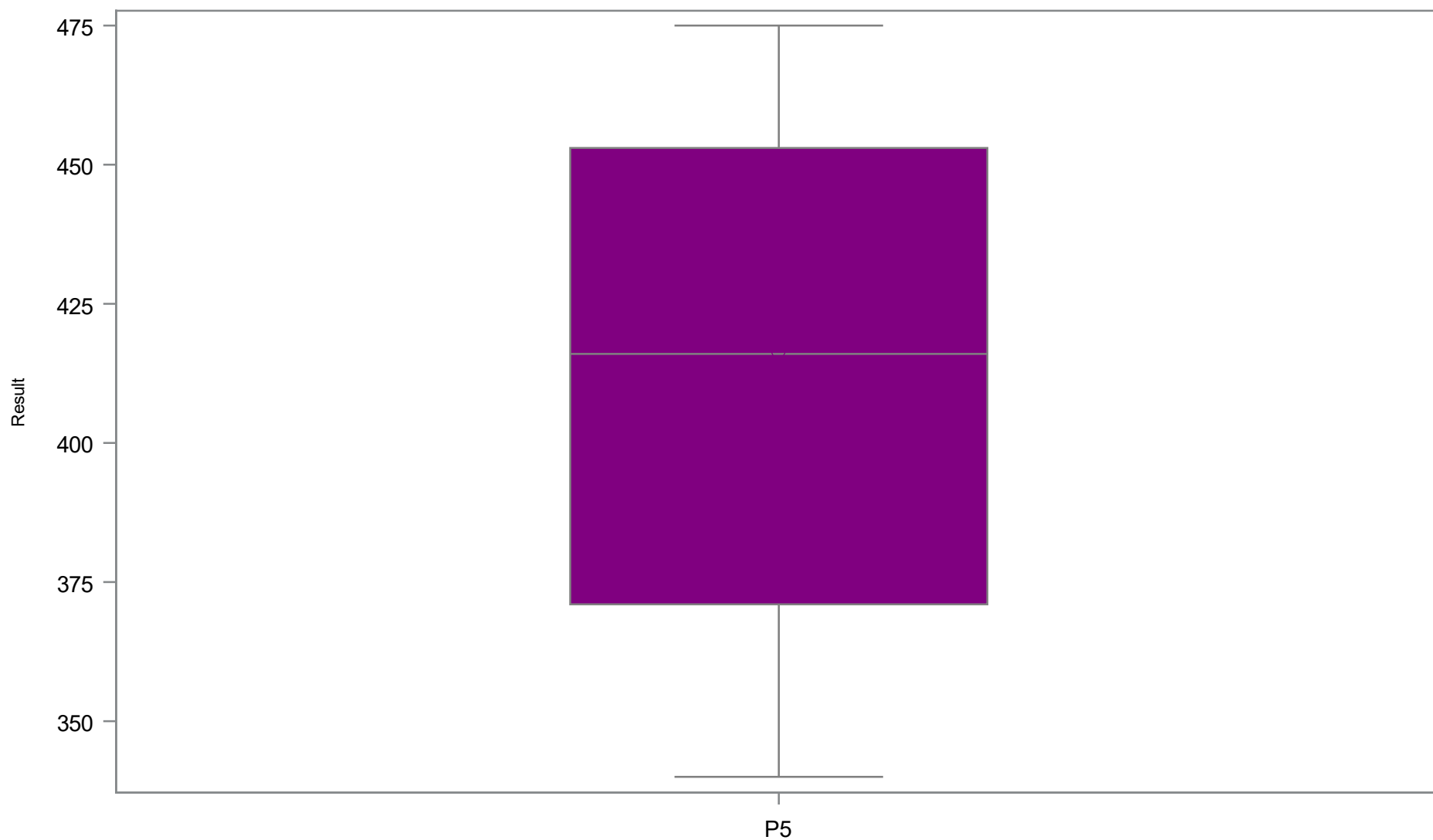
DRAFT **Distributional Statistics by Period for Moris Bridge Sink Surface Specific Conductance (us/cm)**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	23	340.00	371.00	416.61	416.00	453.00	475.00

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Specific Conductance (us/cm)

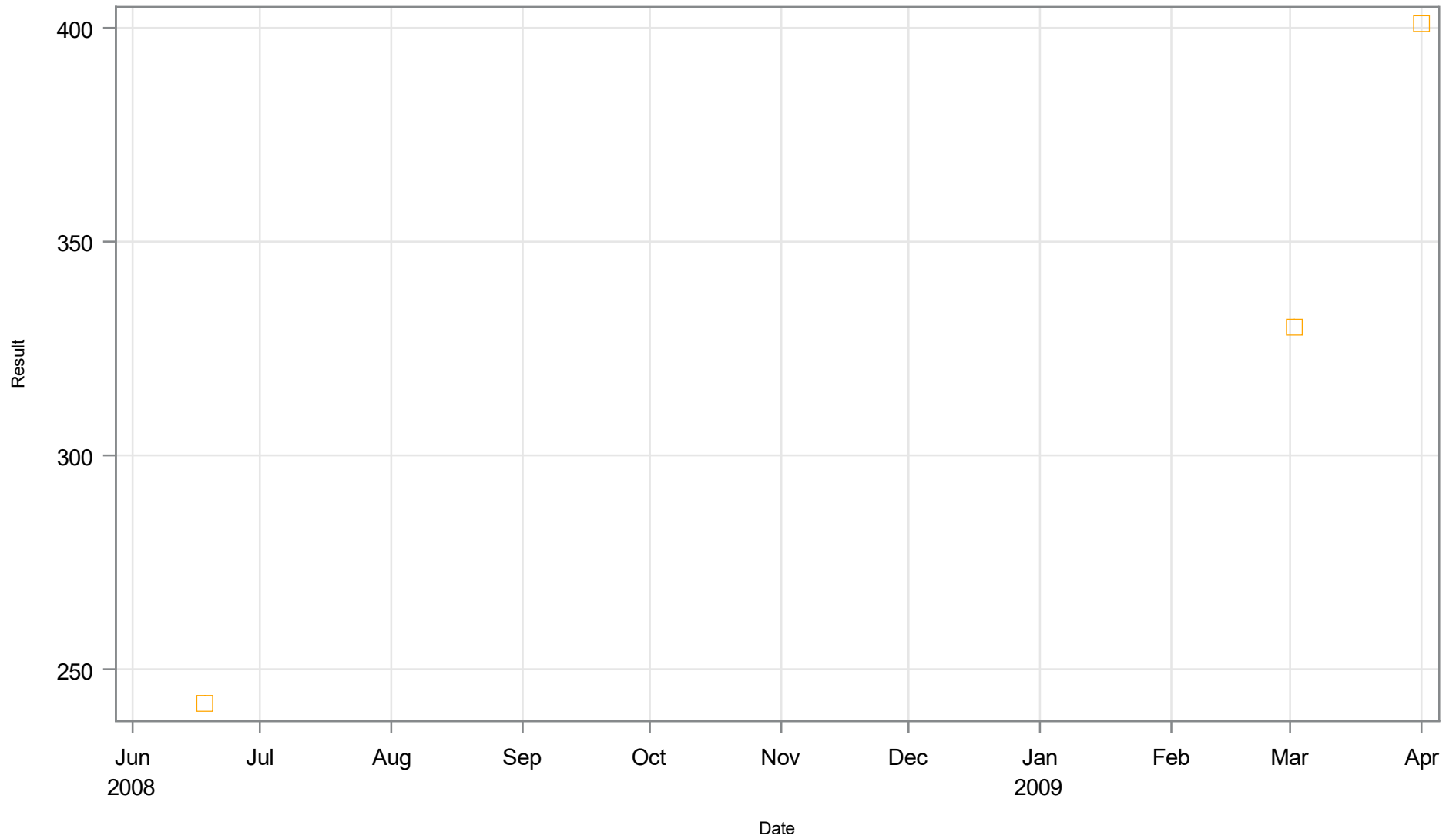


Period ■ P5

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

DRAFT

Timeseries of Surface Specific Conductance (us/cm)



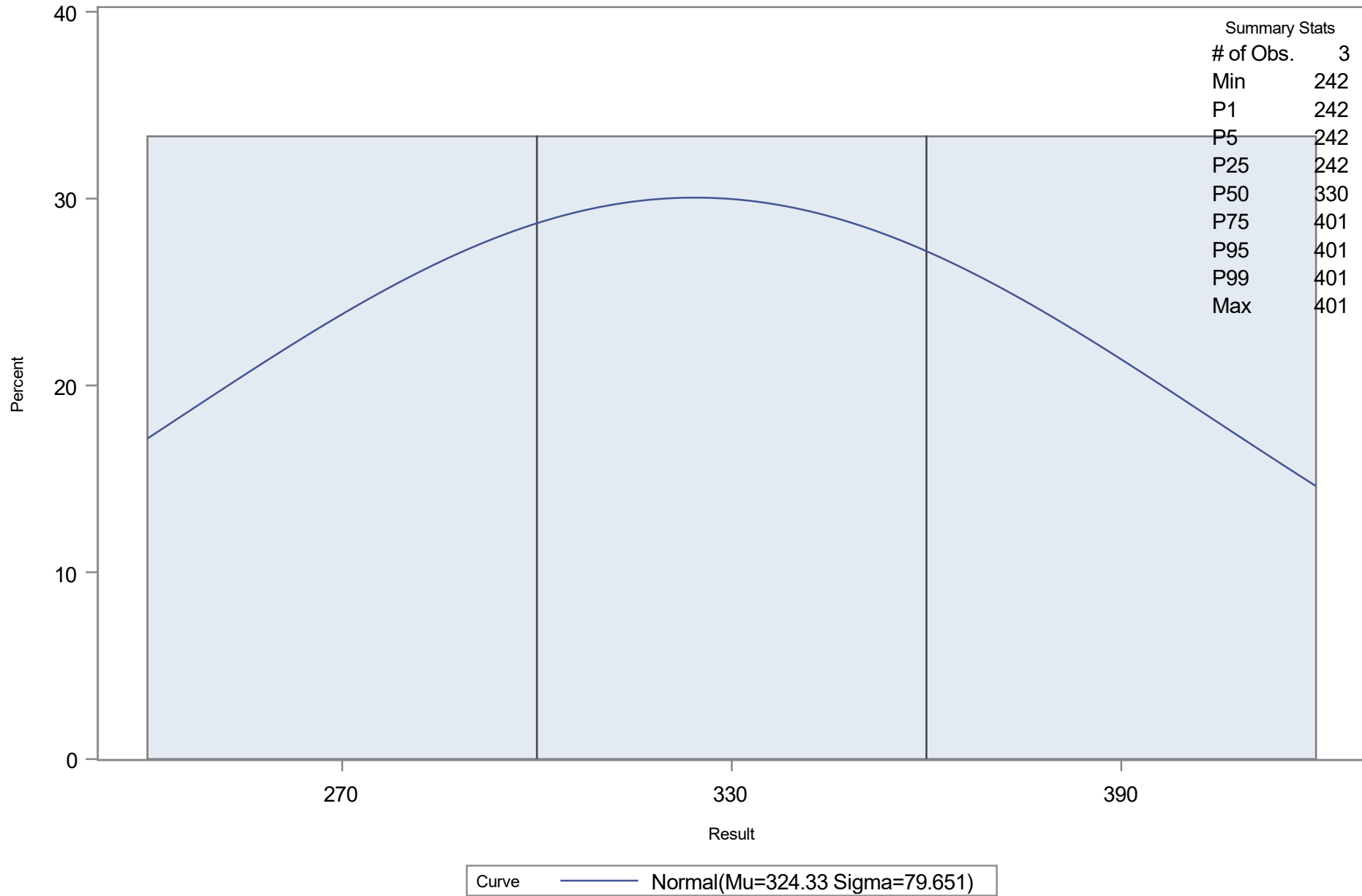
Period □ P3

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

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Specific Conductance (us/cm)

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		
Percent	Quantile	
	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

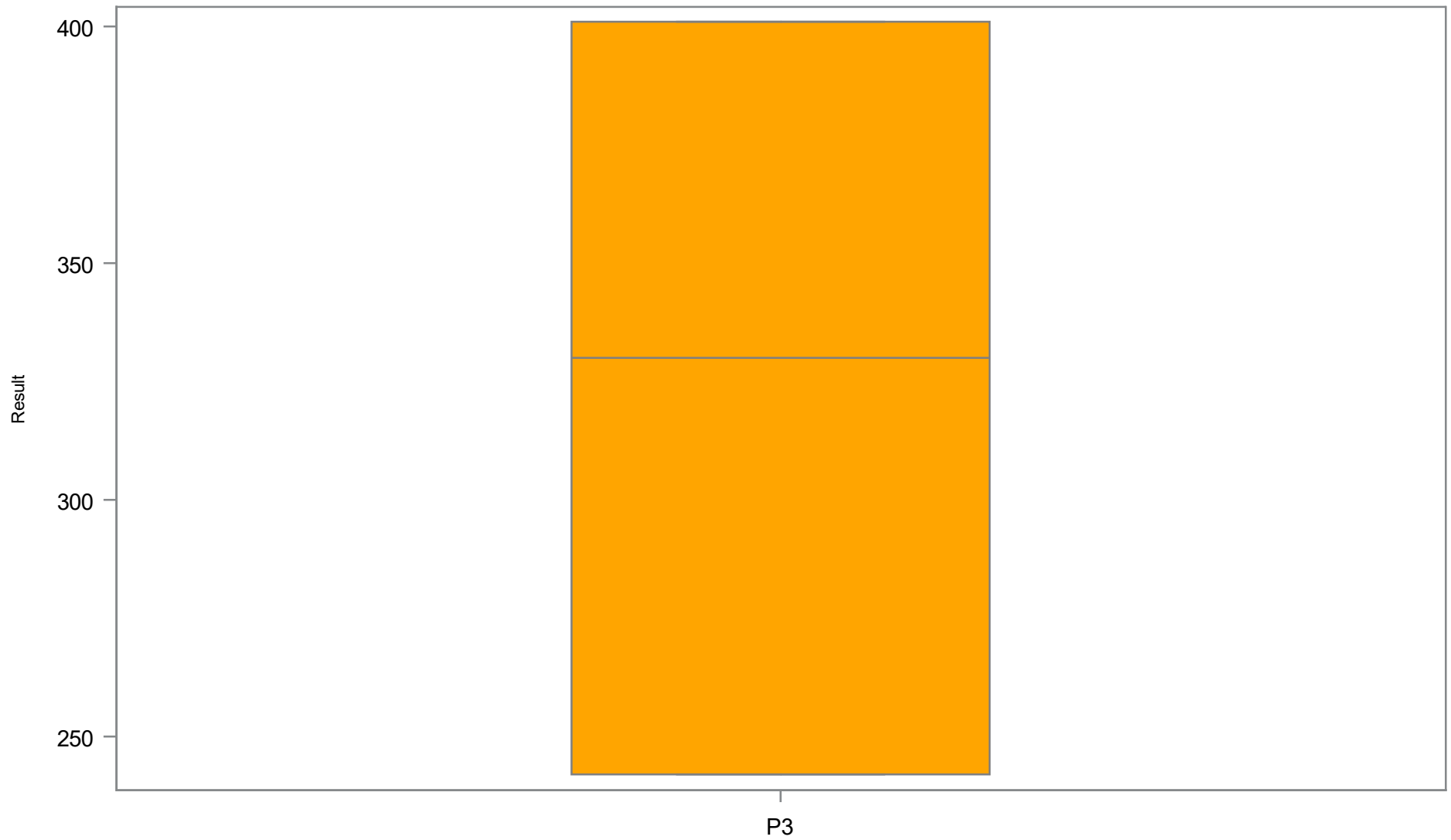
Distributional Statistics by Period for Surface Specific Conductance (us/cm)

	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)

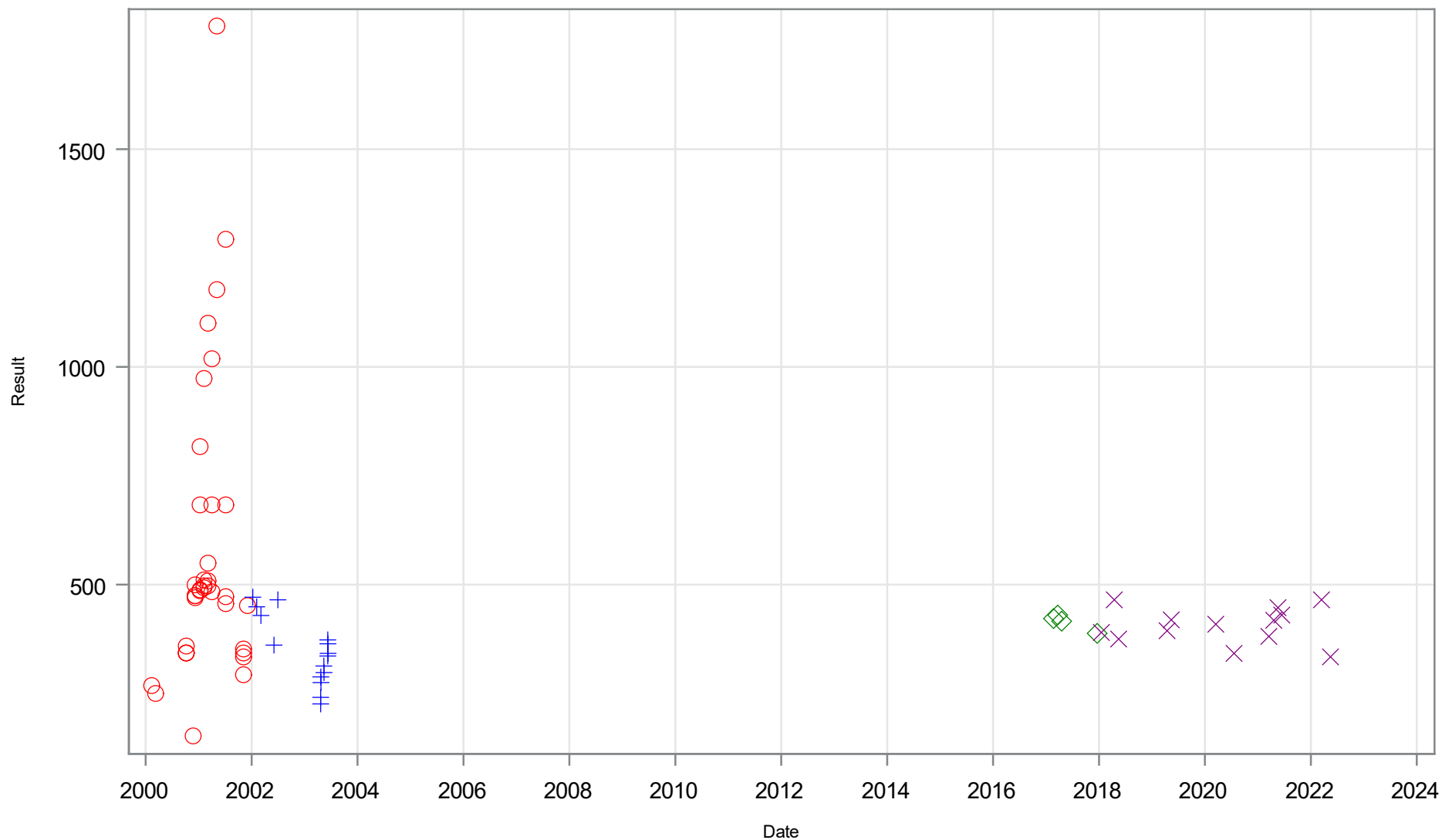


Period ■ P3

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

DRAFT

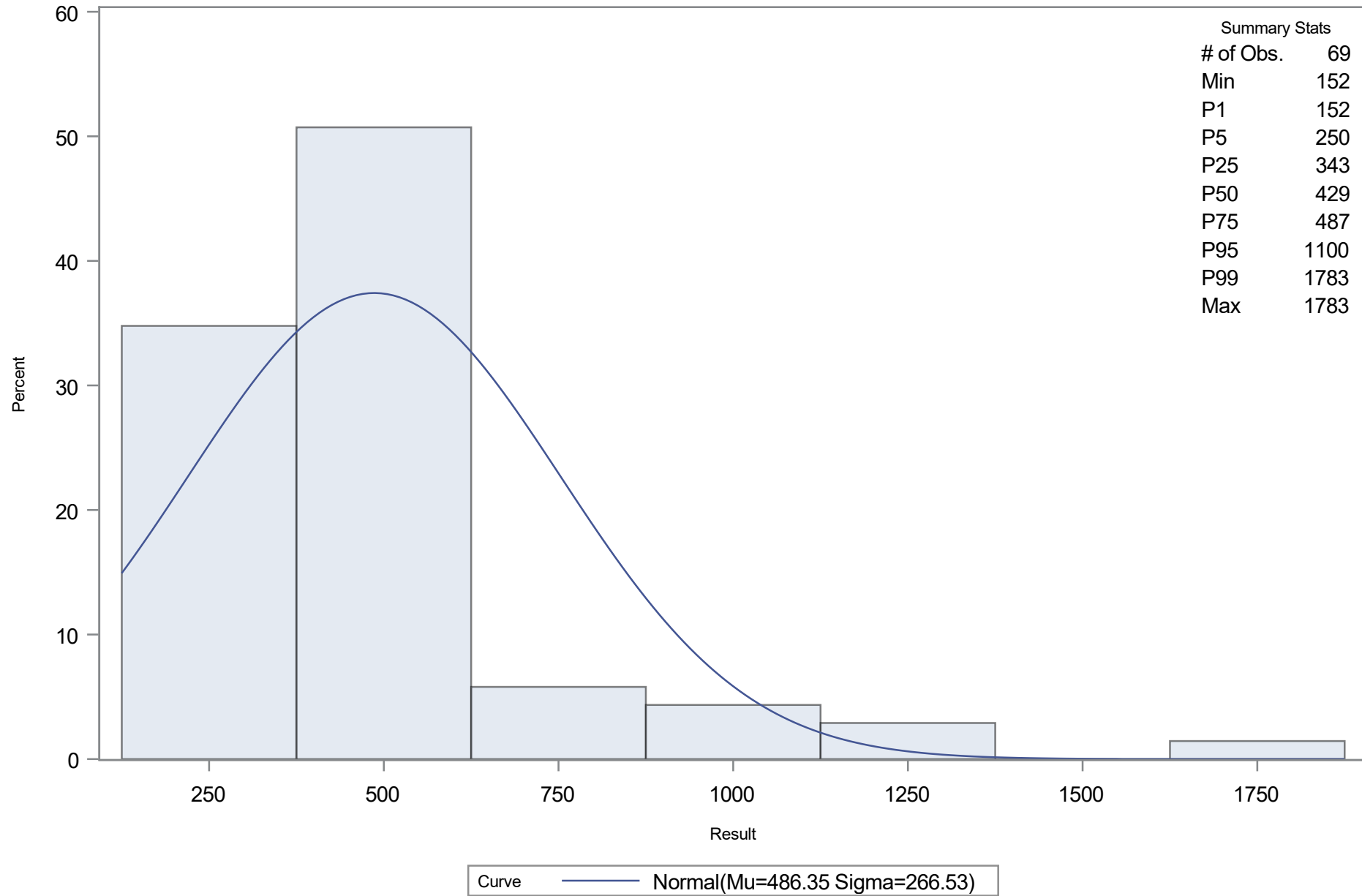
Timeseries of Hillsborough River Reservoir Bottom Specific Conductance (us/cm)



Period ○ P1 + P2 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	486.3478
Std Dev	Sigma	266.5327

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.30522389	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.33362028	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	6.97836780	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	152.000	-133.7000
5.0	250.000	47.9405
10.0	288.000	144.7724
25.0	343.000	306.5742
50.0	429.000	486.3478
75.0	487.000	666.1214
90.0	817.000	827.9233
95.0	1100.000	924.7552
99.0	1783.000	1106.3957

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

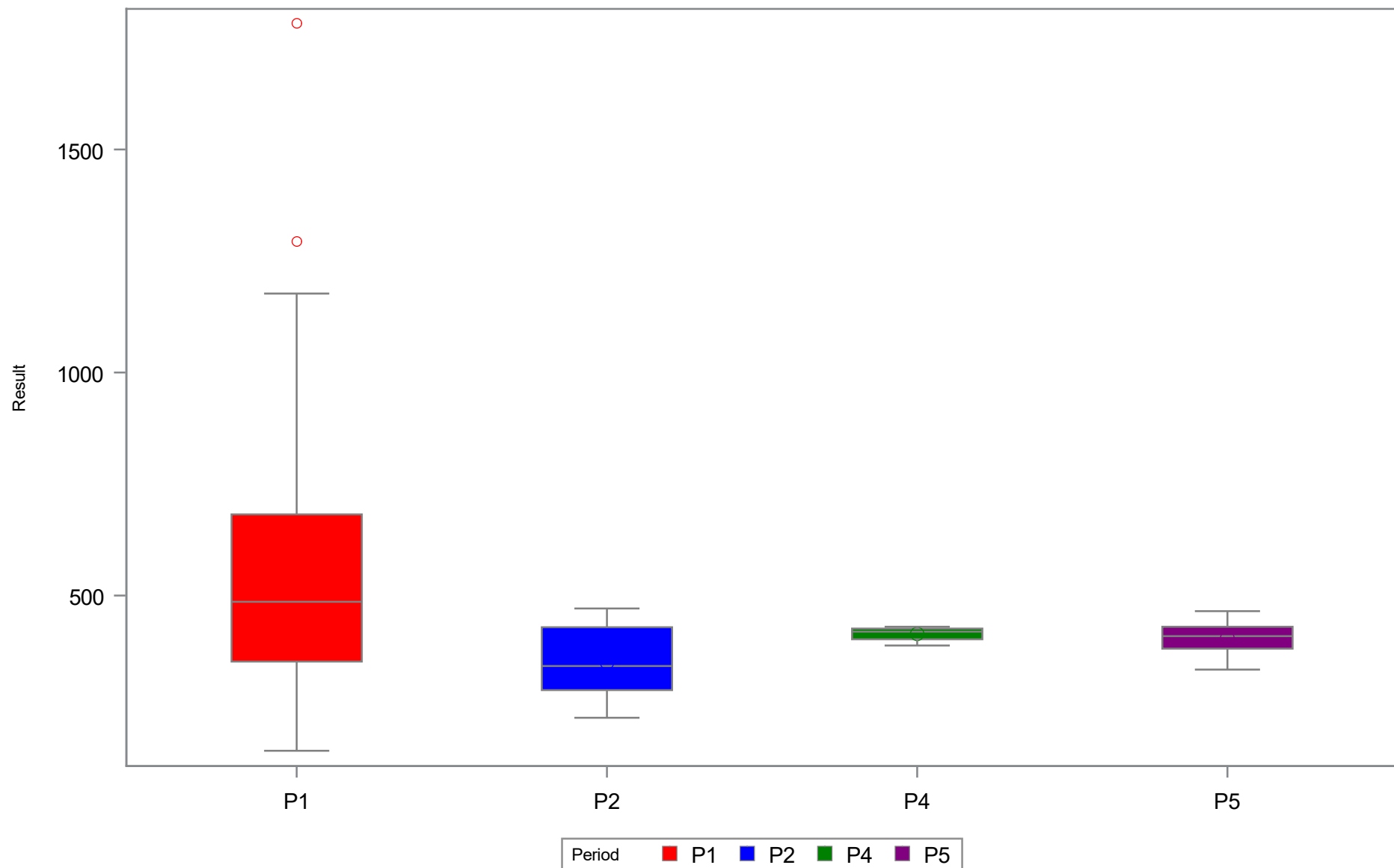
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Specific Conductance (us/cm)

	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	4	388.00	402.00	414.00	419.00	426.00	430.00
P5	13	334.00	381.00	405.31	409.00	430.00	465.00

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

DRAFT

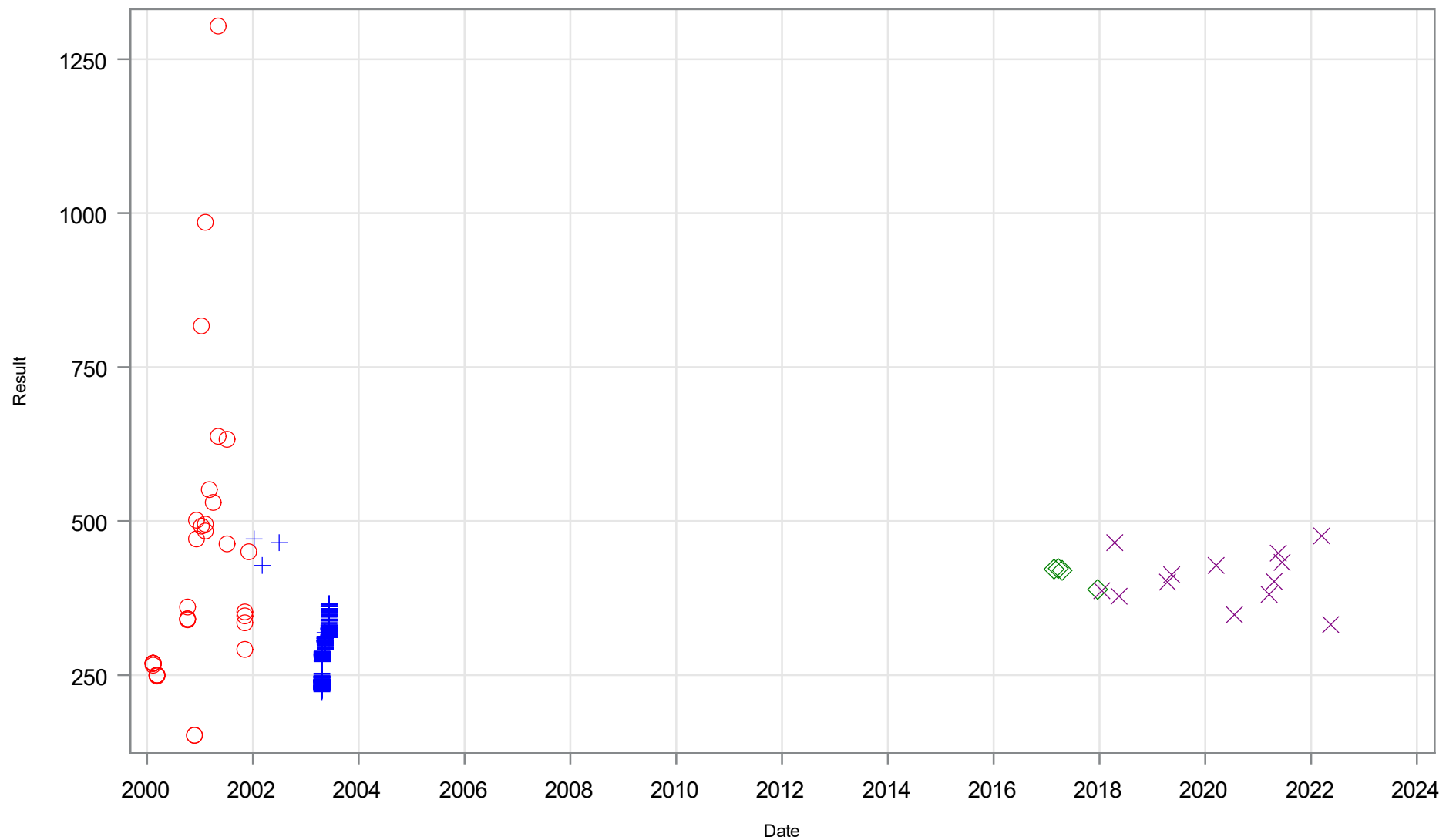
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Specific Conductance (us/cm)



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

DRAFT

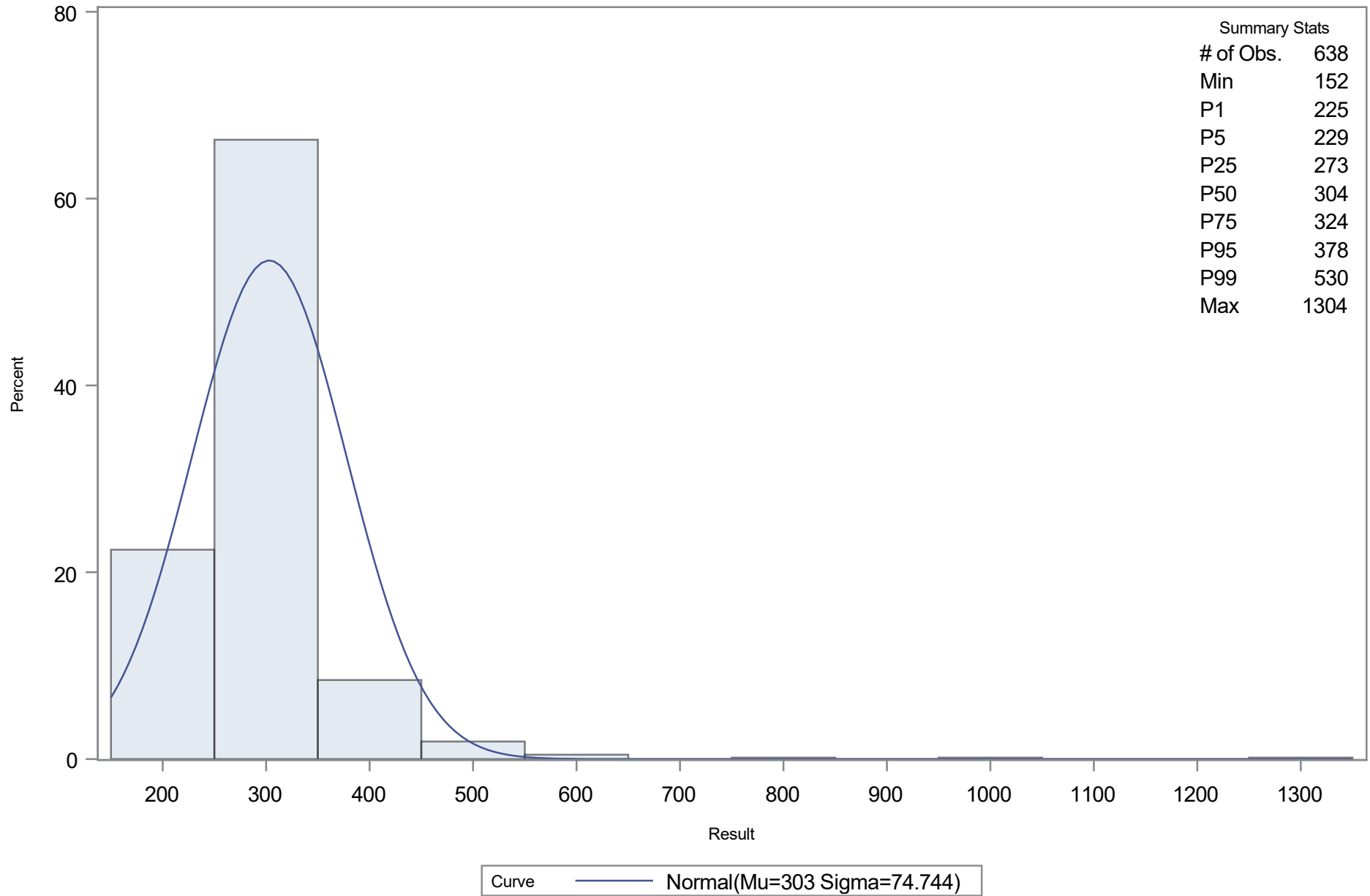
Timeseries of Hillsborough River Reservoir Midwater Specific Conductance (us/cm)



Period ○ P1 + P2 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	302.9953
Std Dev	Sigma	74.74376

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1950052	Pr > D	<0.010
Cramer-von Mises	W-Sq	6.0663110	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	36.7237048	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	225.000	129.115
5.0	229.000	180.053
10.0	234.000	207.207
25.0	273.000	252.581
50.0	304.000	302.995
75.0	324.000	353.409
90.0	354.000	398.783
95.0	378.000	425.938
99.0	530.000	476.875

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

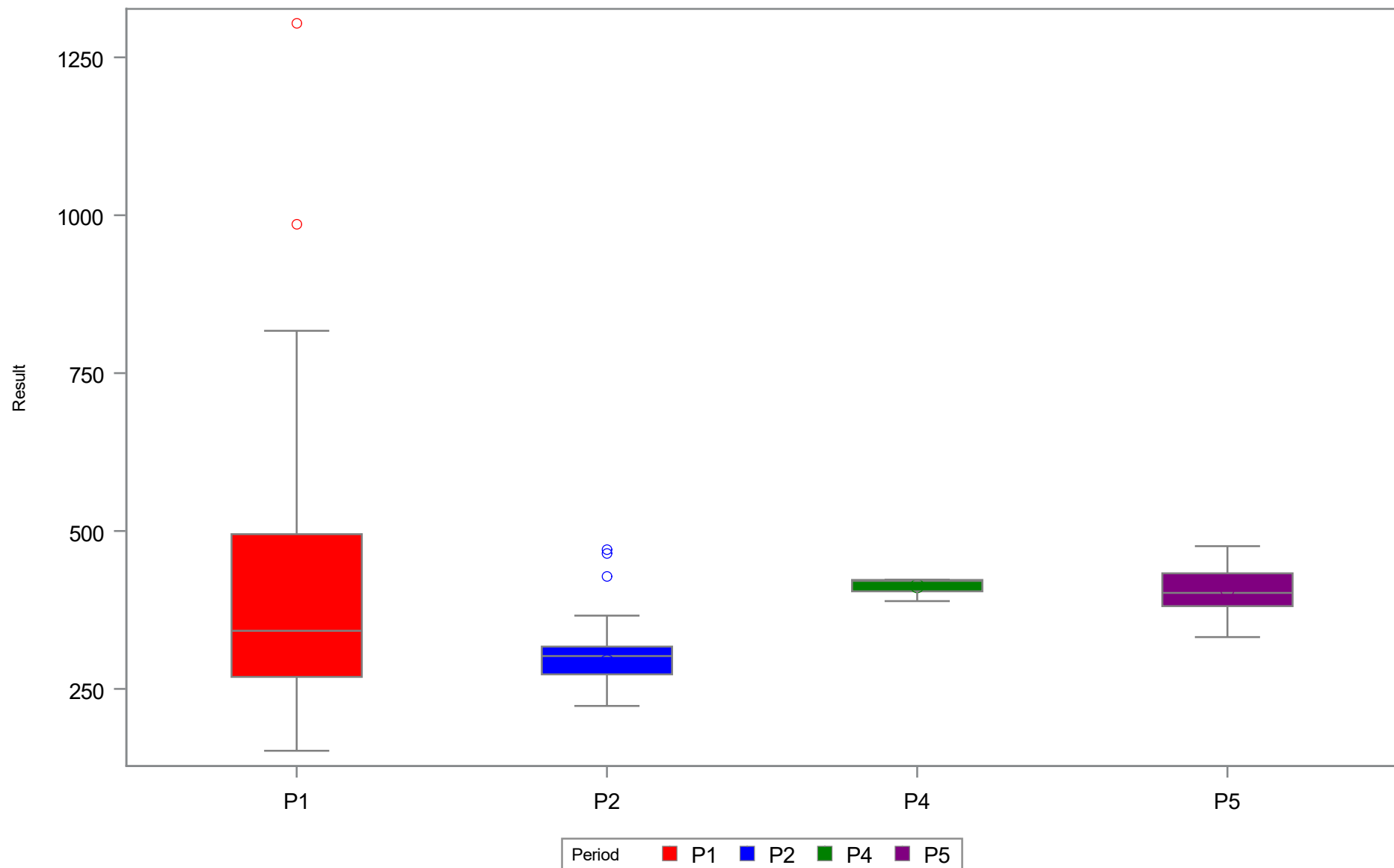
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Specific Conductance (us/cm)

	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	4	389.00	404.50	413.50	421.00	422.50	423.00
P5	13	332.00	381.00	407.08	402.00	433.00	476.00

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

DRAFT

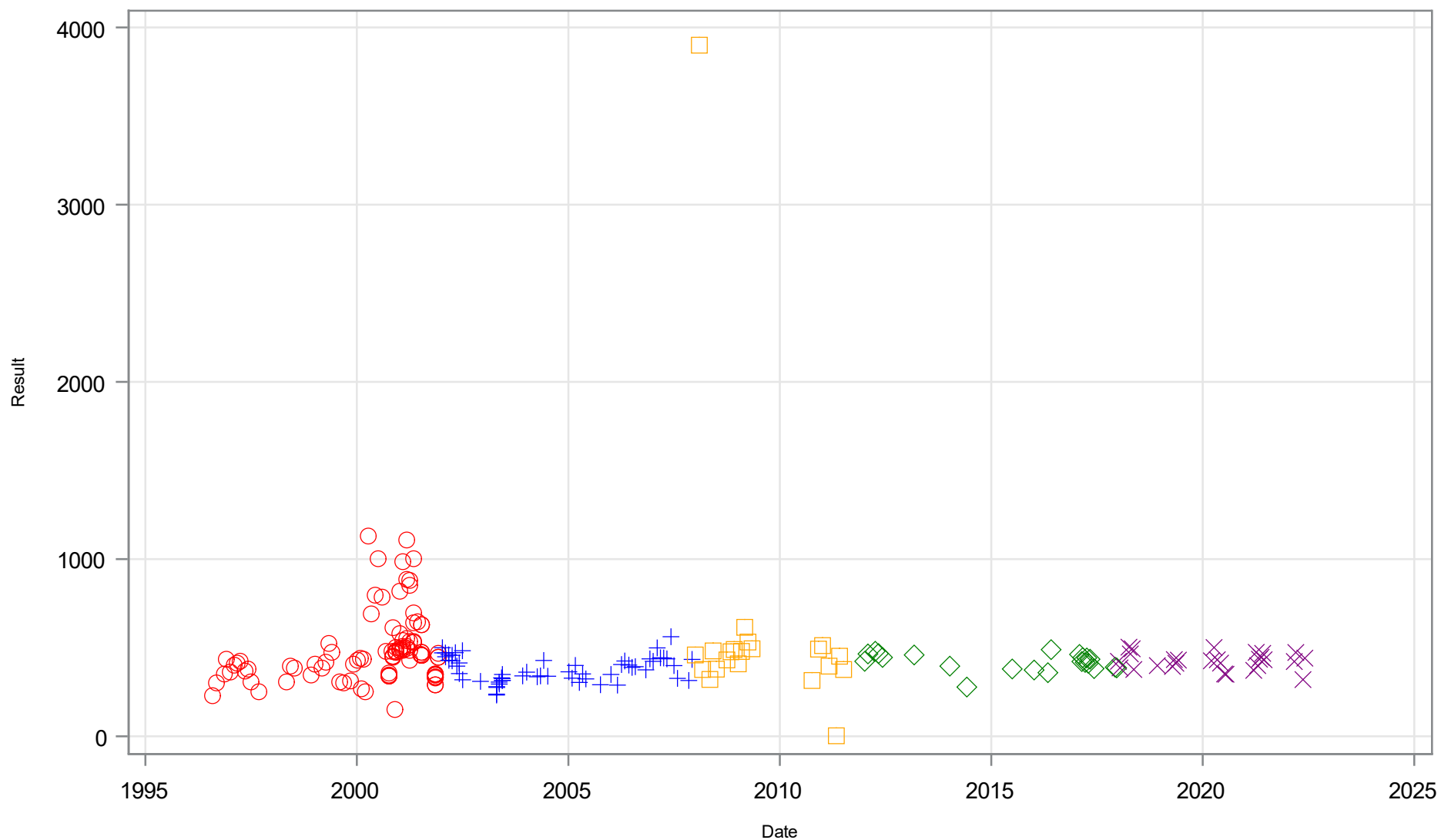
Boxplot by MFL Period for Hillsborough River Reservoir Midwater Specific Conductance (us/cm)



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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Specific Conductance (us/cm)

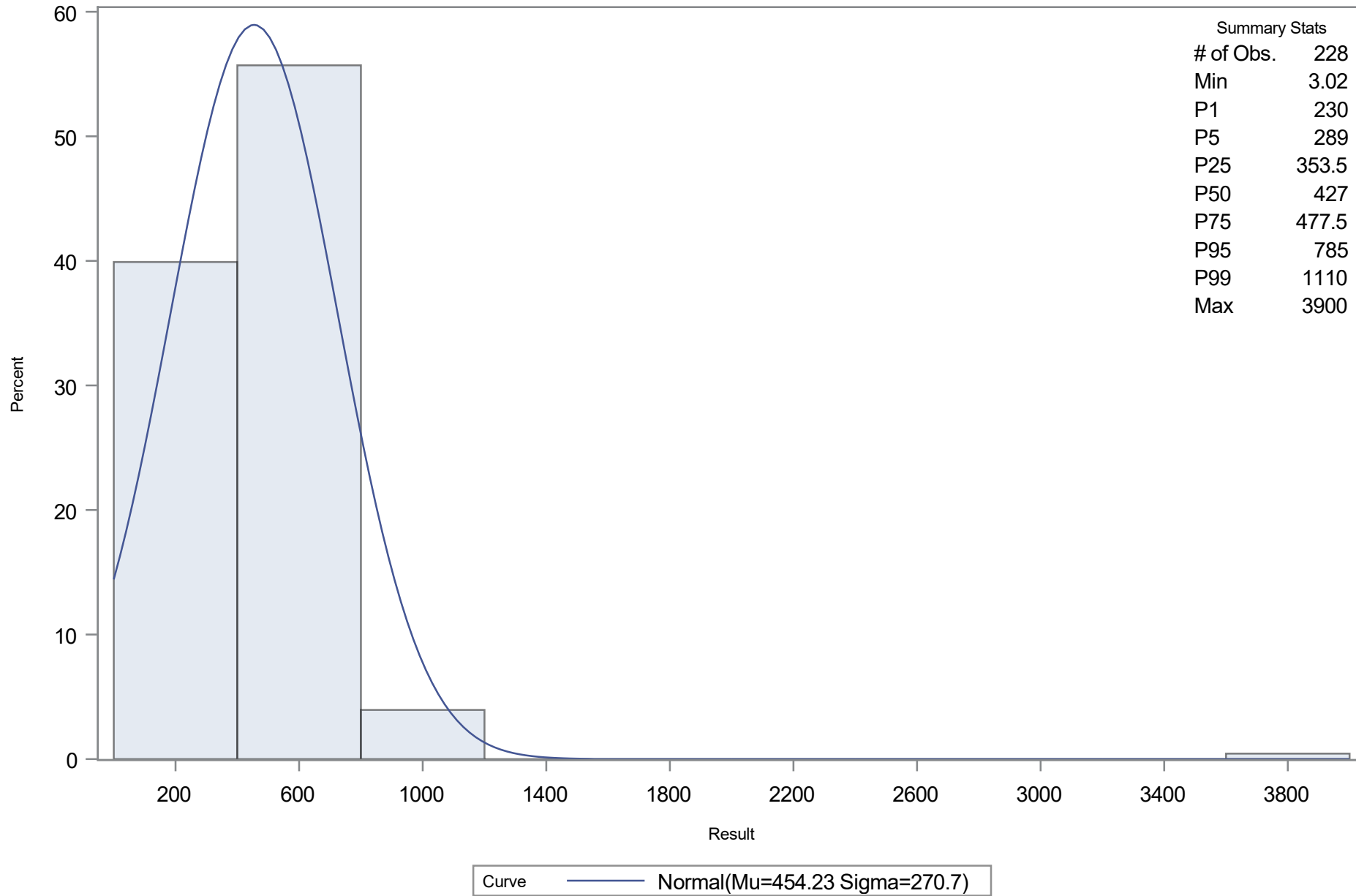


Period ○ P1 + P2 □ P3 ◇ P4 × P5

Period of Record: January 1996 through December 2023

Analysis Days Only

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	454.2325
Std Dev	Sigma	270.7006

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2883146	Pr > D	<0.010
Cramer-von Mises	W-Sq	5.7393533	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	29.9938410	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	230.000	-175.51125
5.0	289.000	8.96966
10.0	309.000	107.31575
25.0	353.500	271.64775
50.0	427.000	454.23254
75.0	477.500	636.81733
90.0	551.000	801.14934
95.0	785.000	899.49543
99.0	1110.000	1083.97634

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

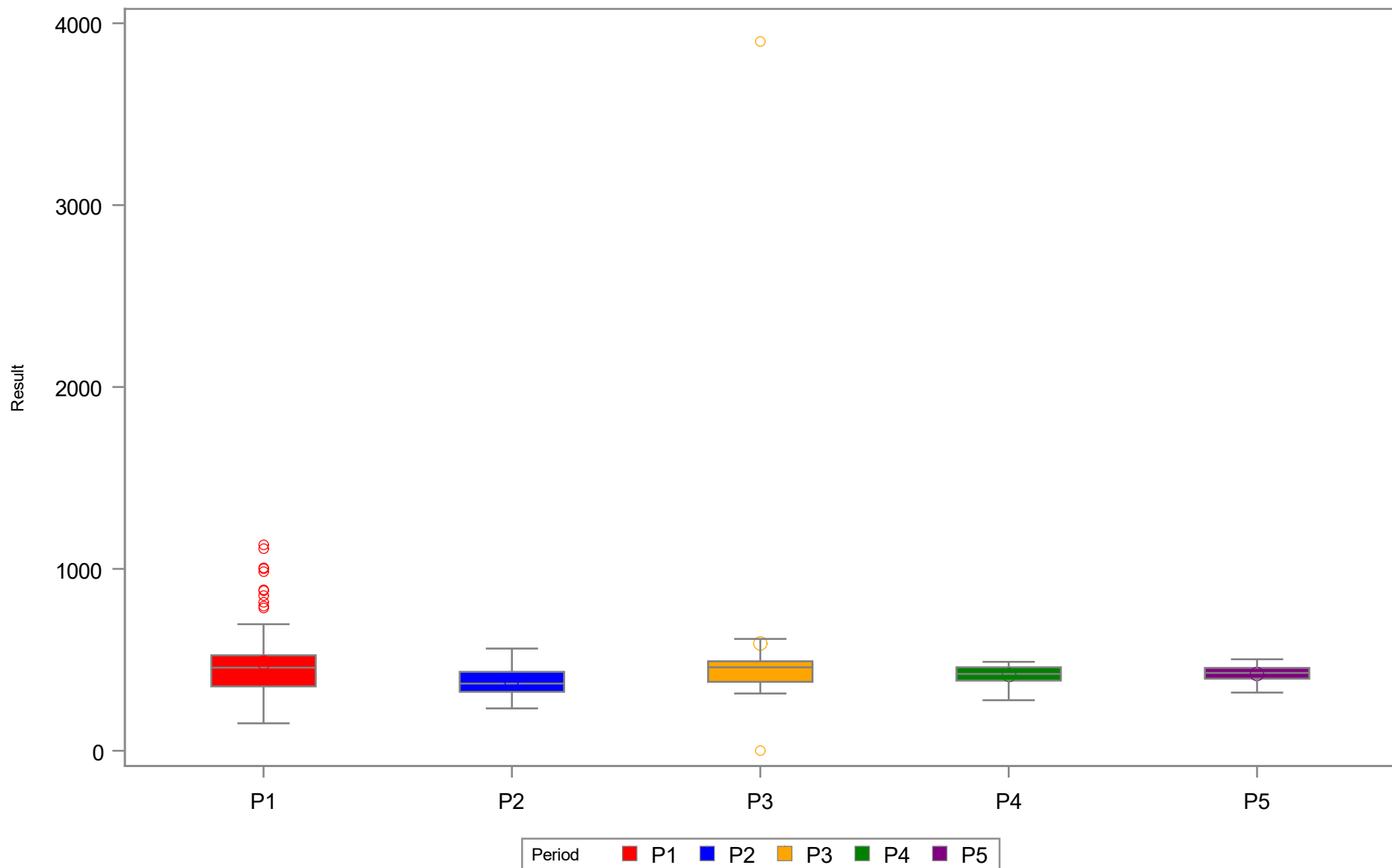
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Specific Conductance (us/cm)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	99	151.00	354.00	486.52	457.00	525.00	1132.00
P2	58	233.00	324.00	378.09	369.50	434.00	562.00
P3	21	3.02	379.00	590.10	459.00	492.00	3900.00
P4	22	278.00	386.00	418.50	422.50	459.00	489.00
P5	28	320.00	396.50	424.00	428.00	455.50	503.00

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface Specific Conductance (us/cm)



Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Timeseries of Upper Hillsborough River Bottom Specific Conductance (us/cm)



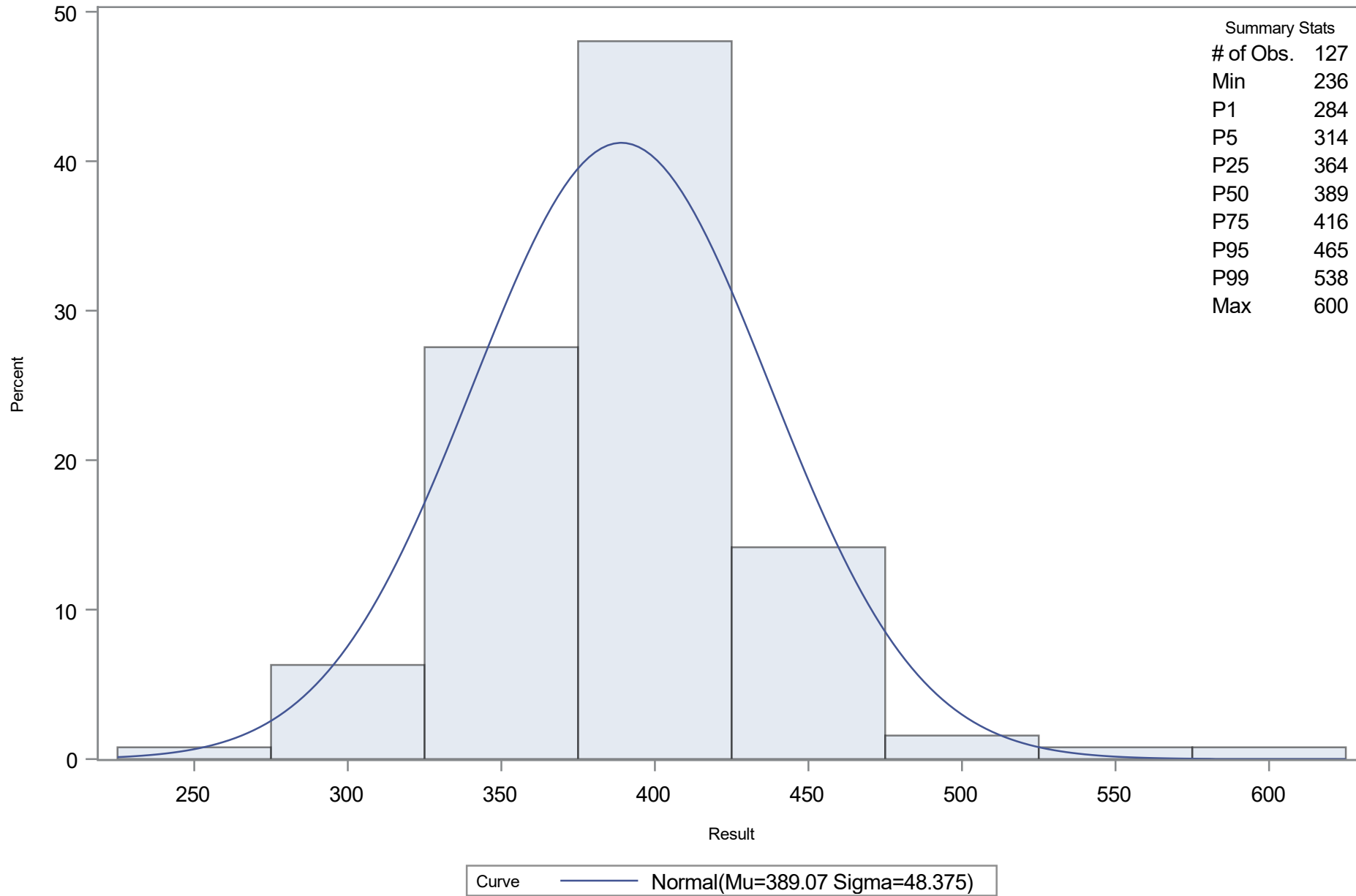
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Bottom Specific Conductance (us/cm)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	389.0709
Std Dev	Sigma	48.37505

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.06385675	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.11153371	Pr > W-Sq	0.082
Anderson-Darling	A-Sq	0.78559701	Pr > A-Sq	0.042

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	284.000	276.534
5.0	314.000	309.501
10.0	331.000	327.076
25.0	364.000	356.442
50.0	389.000	389.071
75.0	416.000	421.699
90.0	440.000	451.066
95.0	465.000	468.641
99.0	538.000	501.608

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

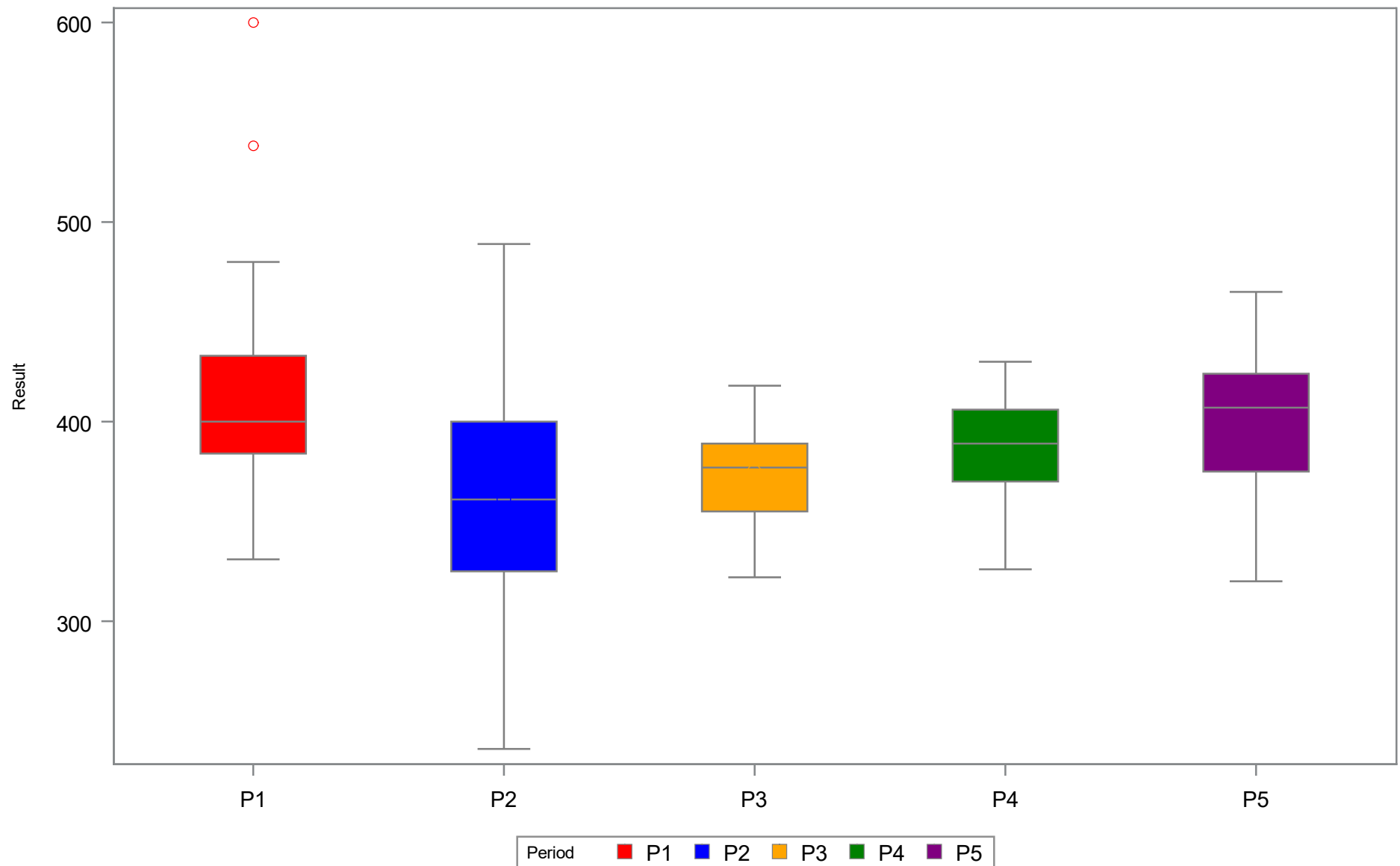
DRAFT Distributional Statistics by Period for Upper Hillsborough River Bottom Specific Conductance (us/cm)

	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	11	322.00	355.00	374.82	377.00	389.00	418.00
P4	20	326.00	370.00	384.75	389.00	406.00	430.00
P5	36	320.00	375.00	399.28	407.00	424.00	465.00

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

DRAFT

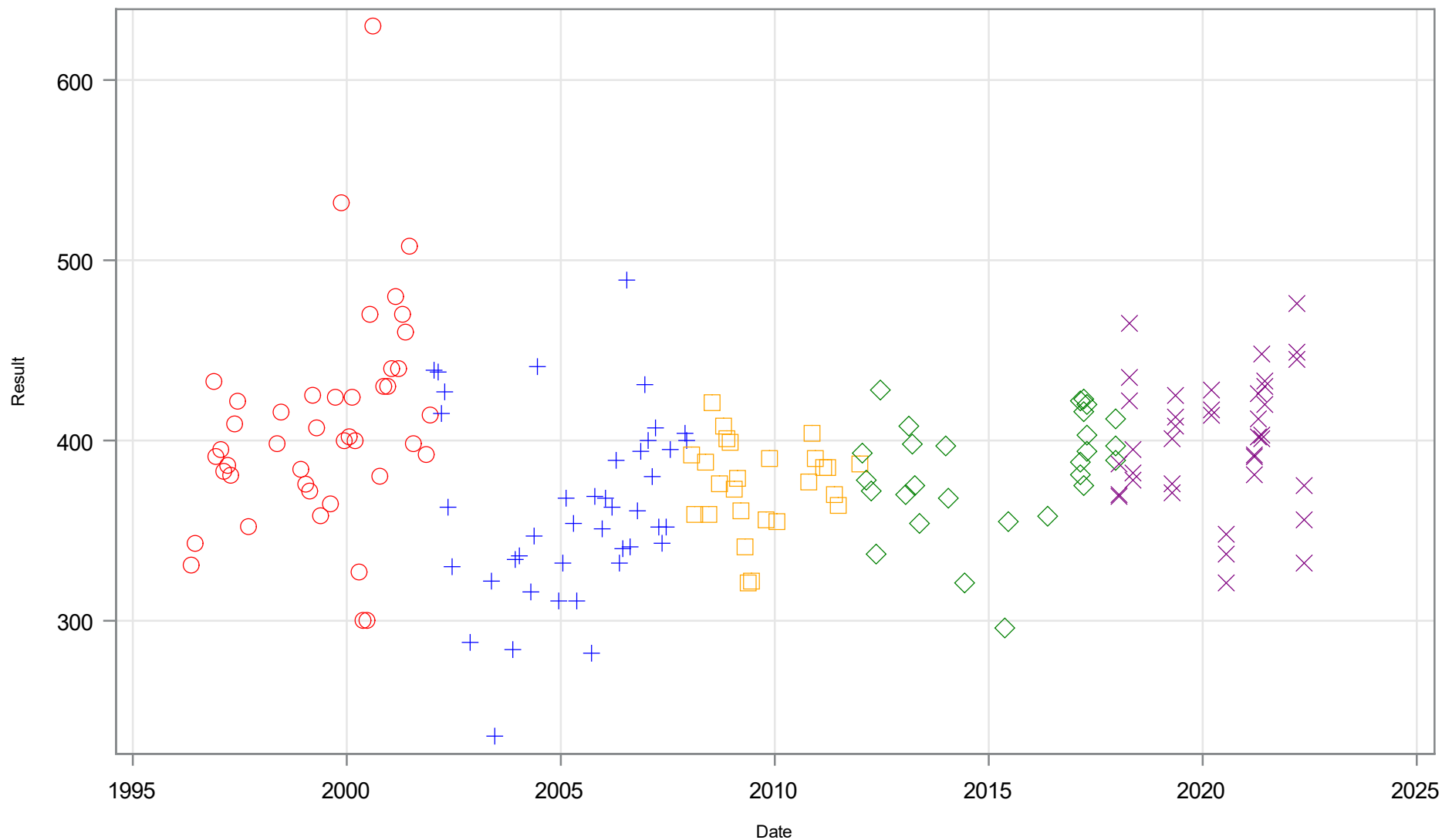
Boxplot by MFL Period for Upper Hillsborough River Bottom Specific Conductance (us/cm)



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

DRAFT

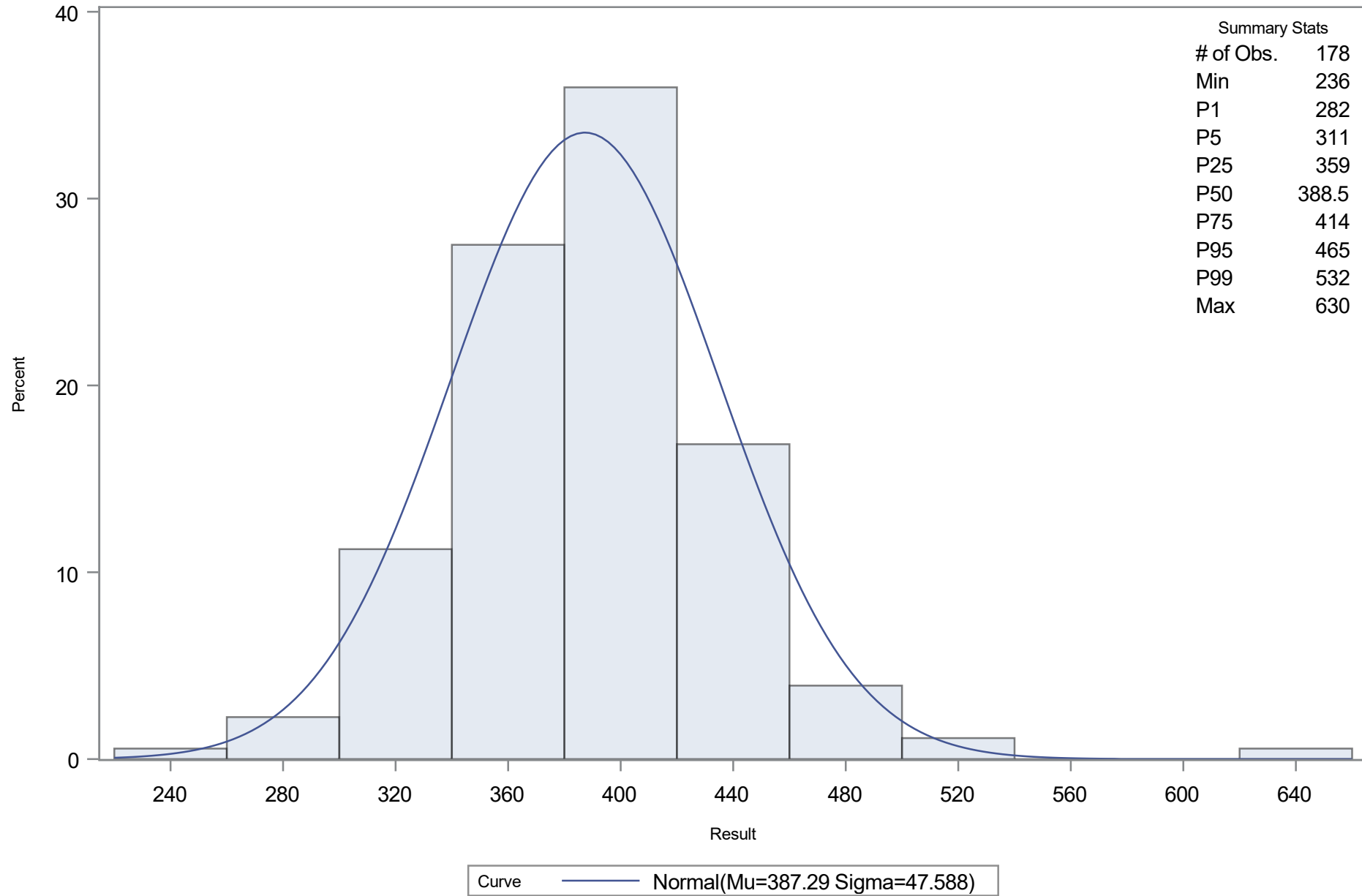
Timeseries of Upper Hillsborough River Midwater Specific Conductance (us/cm)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	387.2921
Std Dev	Sigma	47.58797

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.06166224	Pr > D	0.095
Cramer-von Mises	W-Sq	0.15090072	Pr > W-Sq	0.023
Anderson-Darling	A-Sq	1.02502998	Pr > A-Sq	0.011

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	282.000	276.586
5.0	311.000	309.017
10.0	331.000	326.306
25.0	359.000	355.195
50.0	388.500	387.292
75.0	414.000	419.390
90.0	438.000	448.279
95.0	465.000	465.567
99.0	532.000	497.998

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

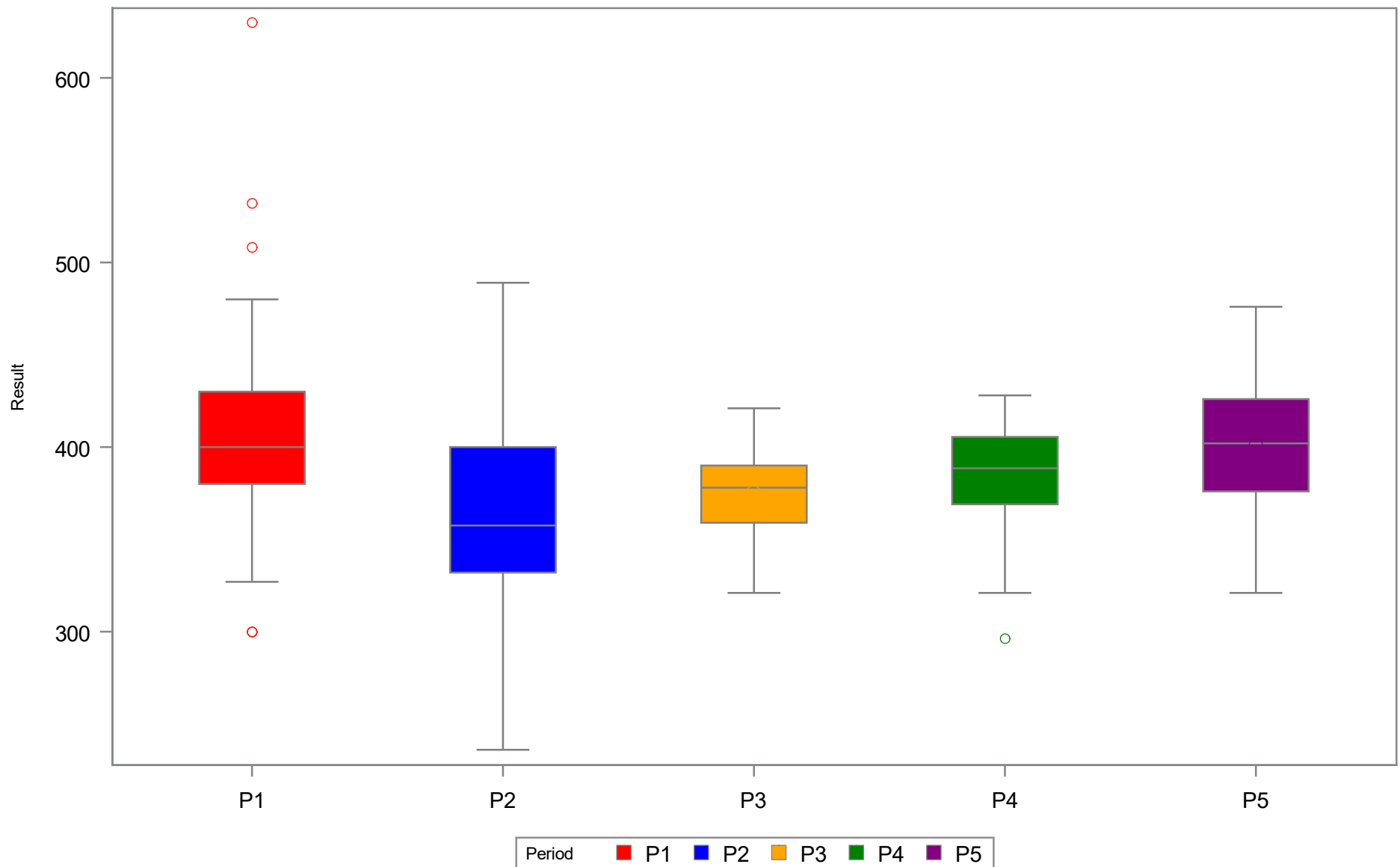
DRAFT Distributional Statistics by Period for Upper Hillsborough River Midwater Specific Conductance (us/cm)

	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	26	321.00	359.00	375.50	378.00	390.00	421.00
P4	28	296.00	369.00	383.14	388.50	405.50	428.00
P5	39	321.00	376.00	400.87	402.00	426.00	476.00

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

DRAFT

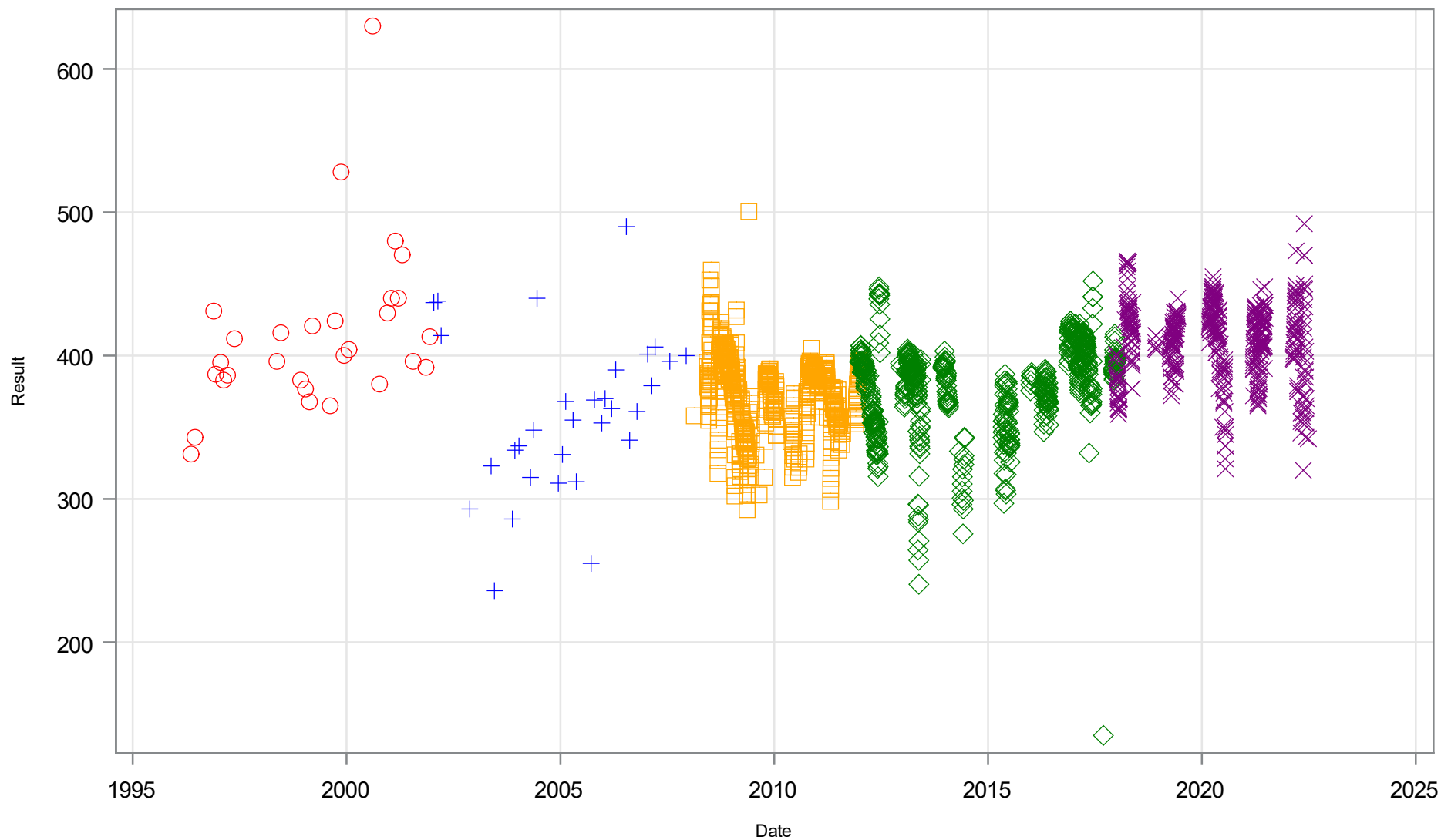
Boxplot by MFL Period for Upper Hillsborough River Midwater Specific Conductance (us/cm)



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

DRAFT

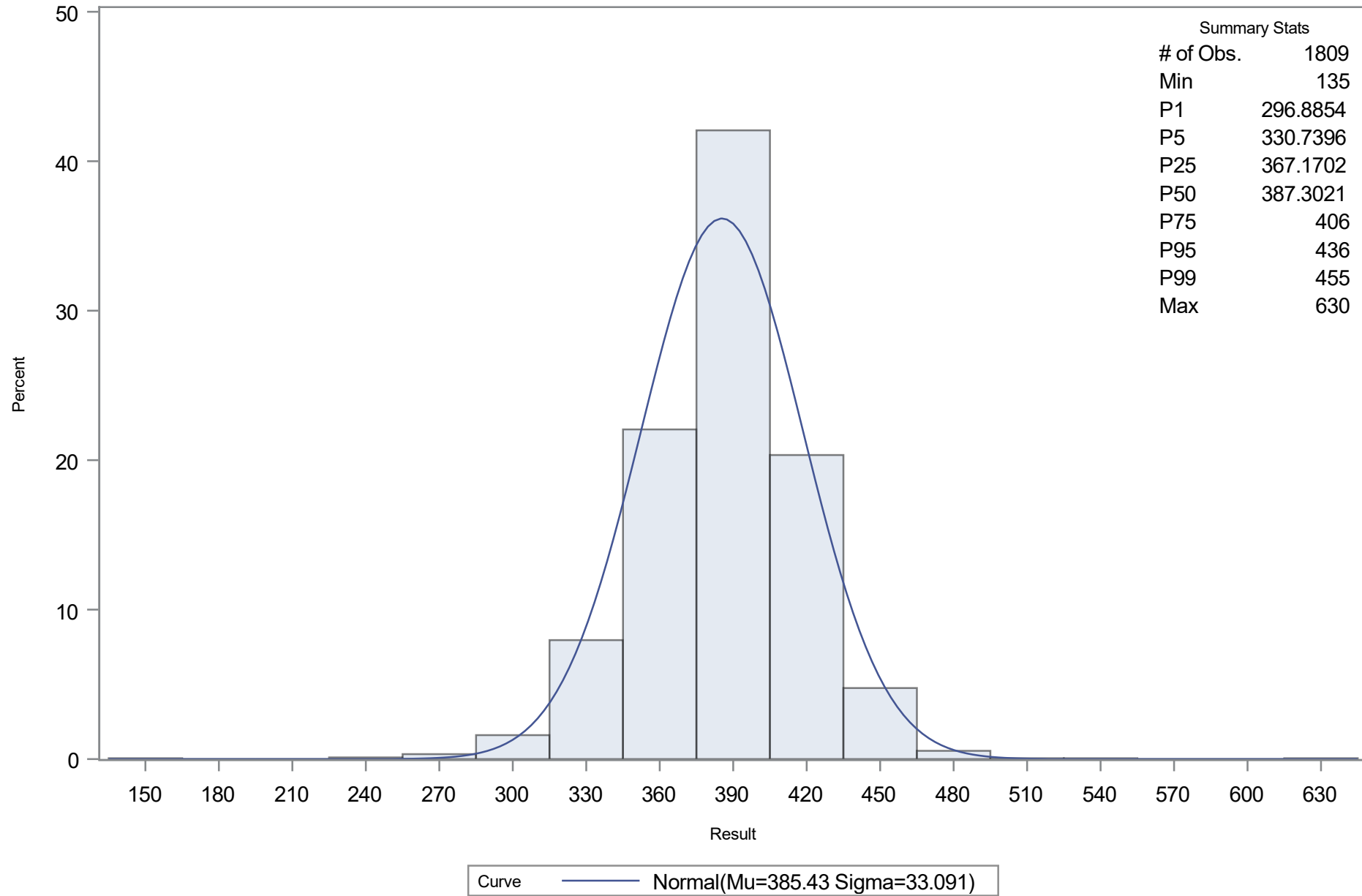
Timeseries of Upper Hillsborough River Surface Specific Conductance (us/cm)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	385.4319
Std Dev	Sigma	33.09098

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.05542788	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.55365854	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	8.18183749	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	296.885	308.451
5.0	330.740	331.002
10.0	344.479	343.024
25.0	367.170	363.112
50.0	387.302	385.432
75.0	406.000	407.751
90.0	425.000	427.840
95.0	436.000	439.862
99.0	455.000	462.413

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

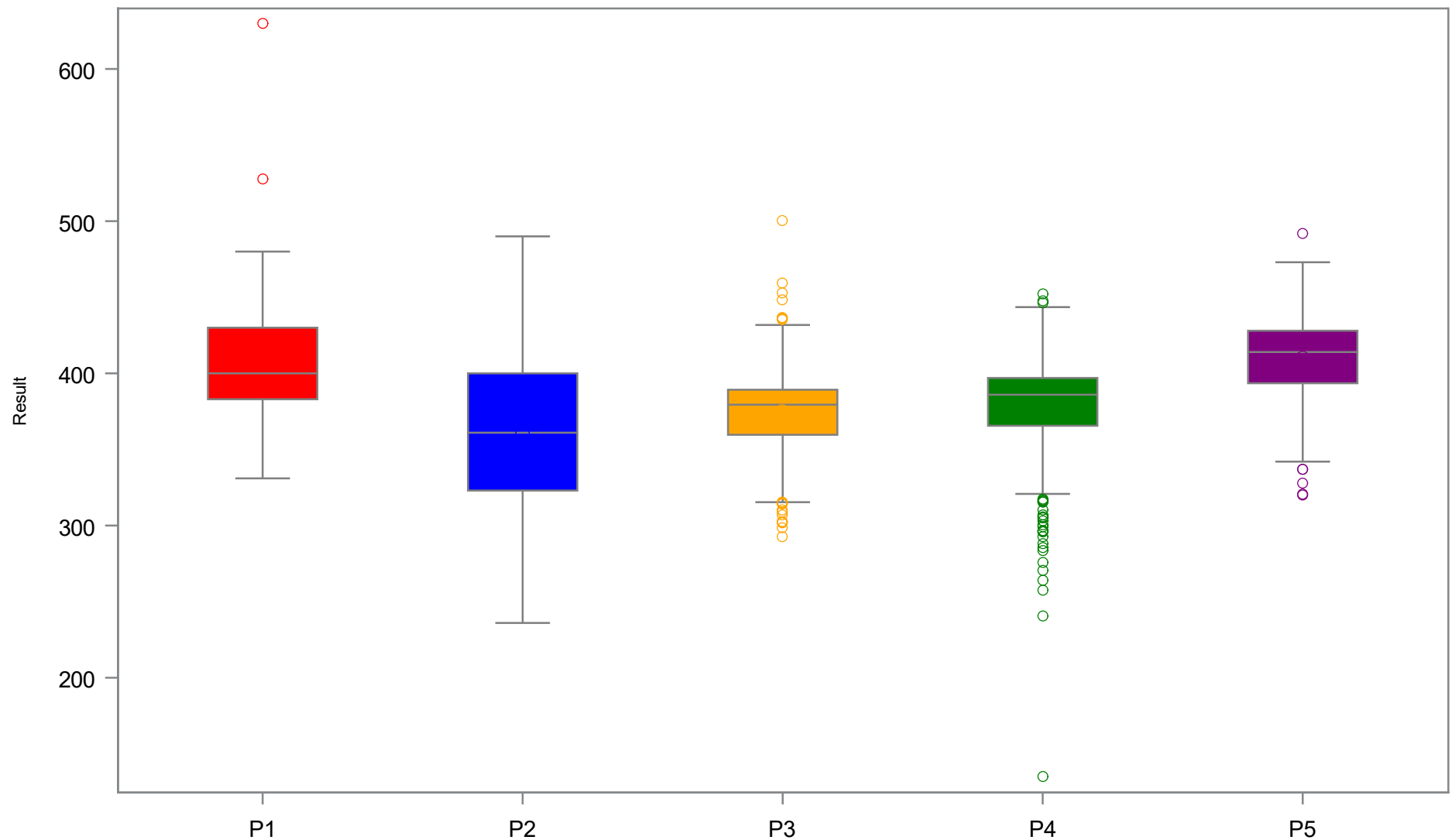
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Specific Conductance (us/cm)

	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	668	292.50	359.64	374.45	379.42	389.23	500.50
P4	617	135.00	365.56	378.86	385.97	396.98	452.00
P5	464	320.00	393.50	409.88	414.00	428.00	492.00

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Specific Conductance (us/cm)

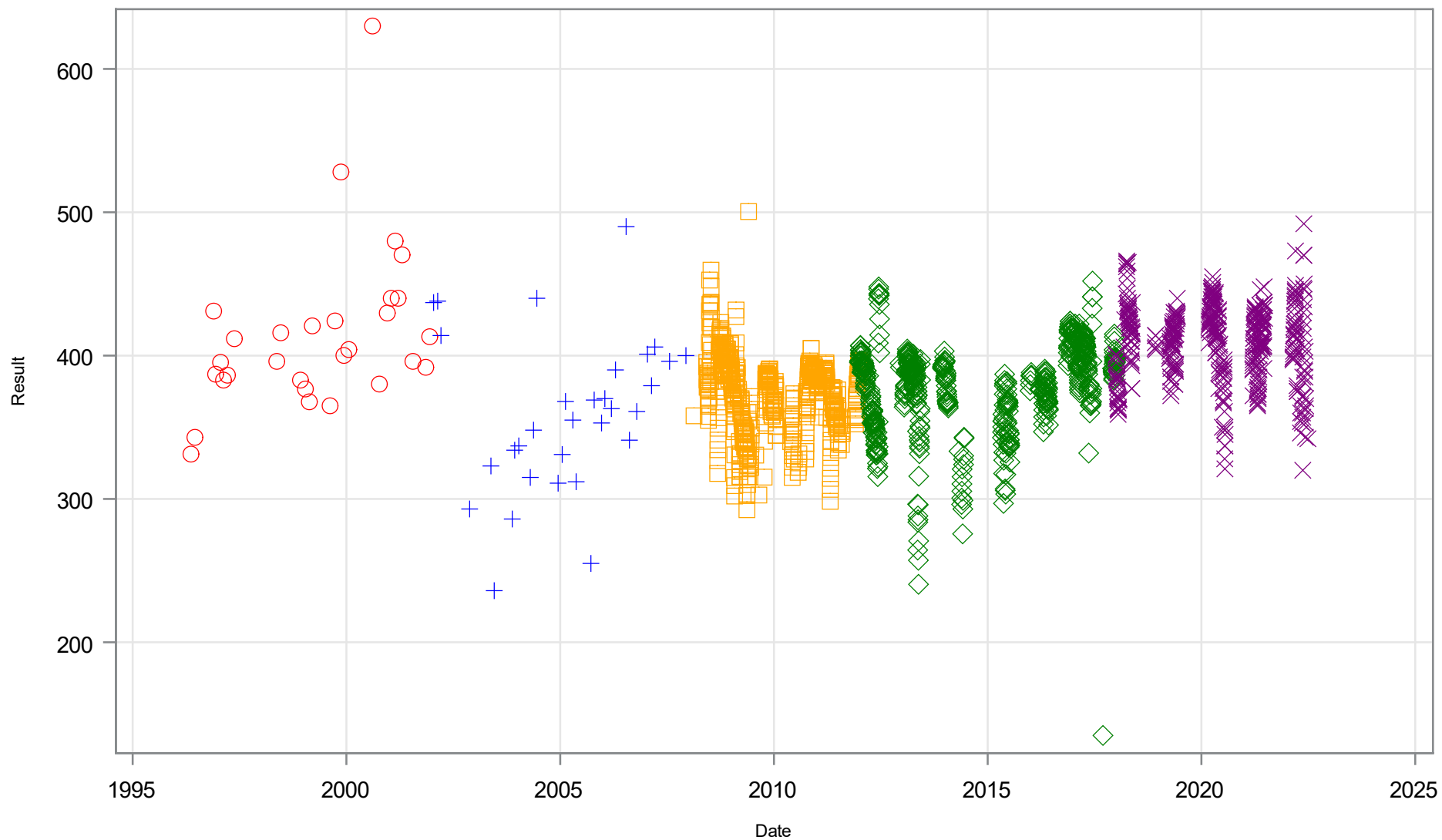


Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Upper Hillsborough River Surface Specific Conductance Daily Average (us/cm)

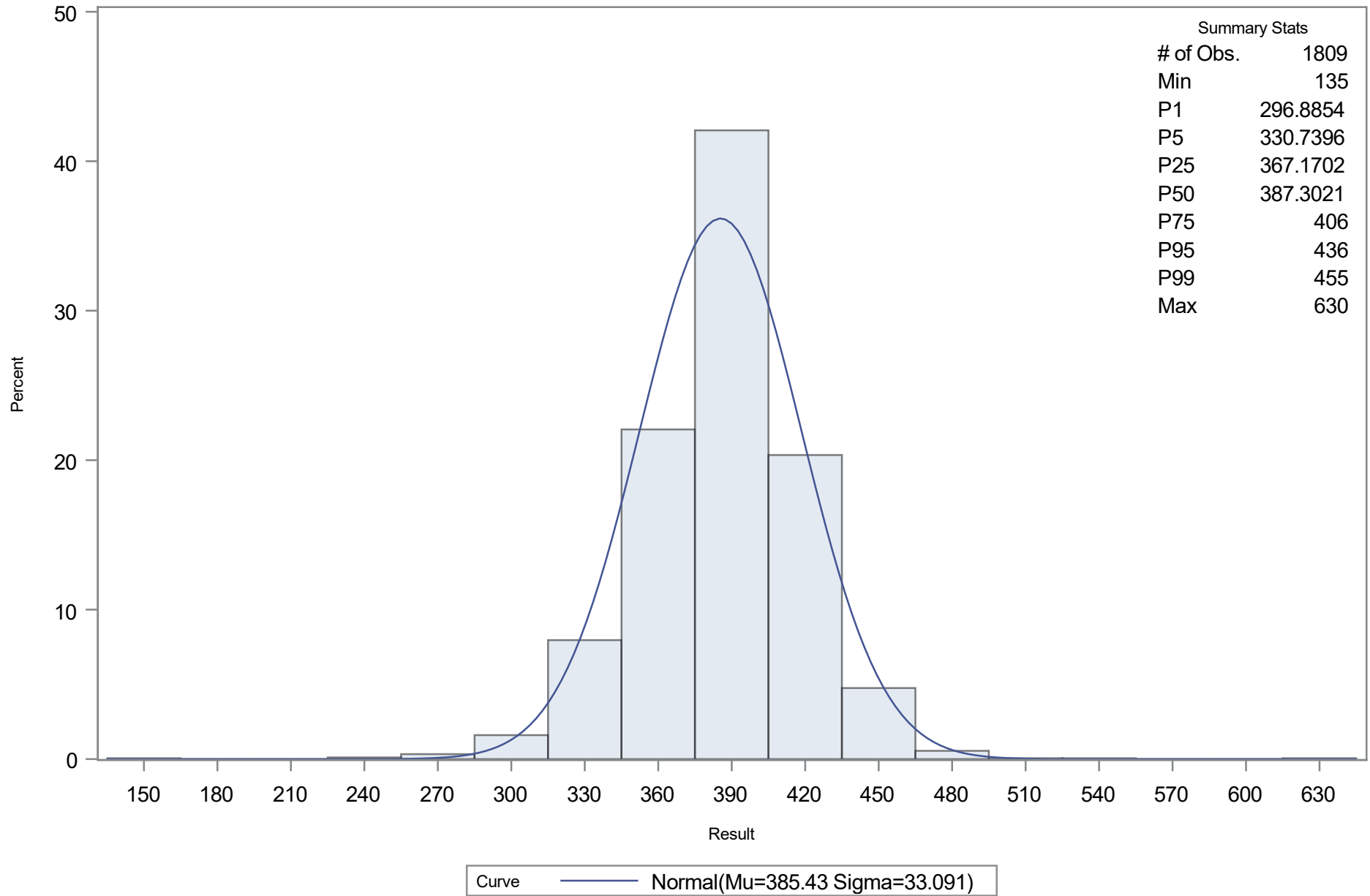


Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT Univariate Histogram of Upper Hillsborough River Surface Specific Conductance Daily Average (us/cm)

Distribution of Result



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

DRAFT Univariate Histogram of Upper Hillsborough River Surface Specific Conductance Daily Average (us/cm)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	385.4319
Std Dev	Sigma	33.09098

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.05542788	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.55365854	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	8.18183749	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	296.885	308.451
5.0	330.740	331.002
10.0	344.479	343.024
25.0	367.170	363.112
50.0	387.302	385.432
75.0	406.000	407.751
90.0	425.000	427.840
95.0	436.000	439.862
99.0	455.000	462.413

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

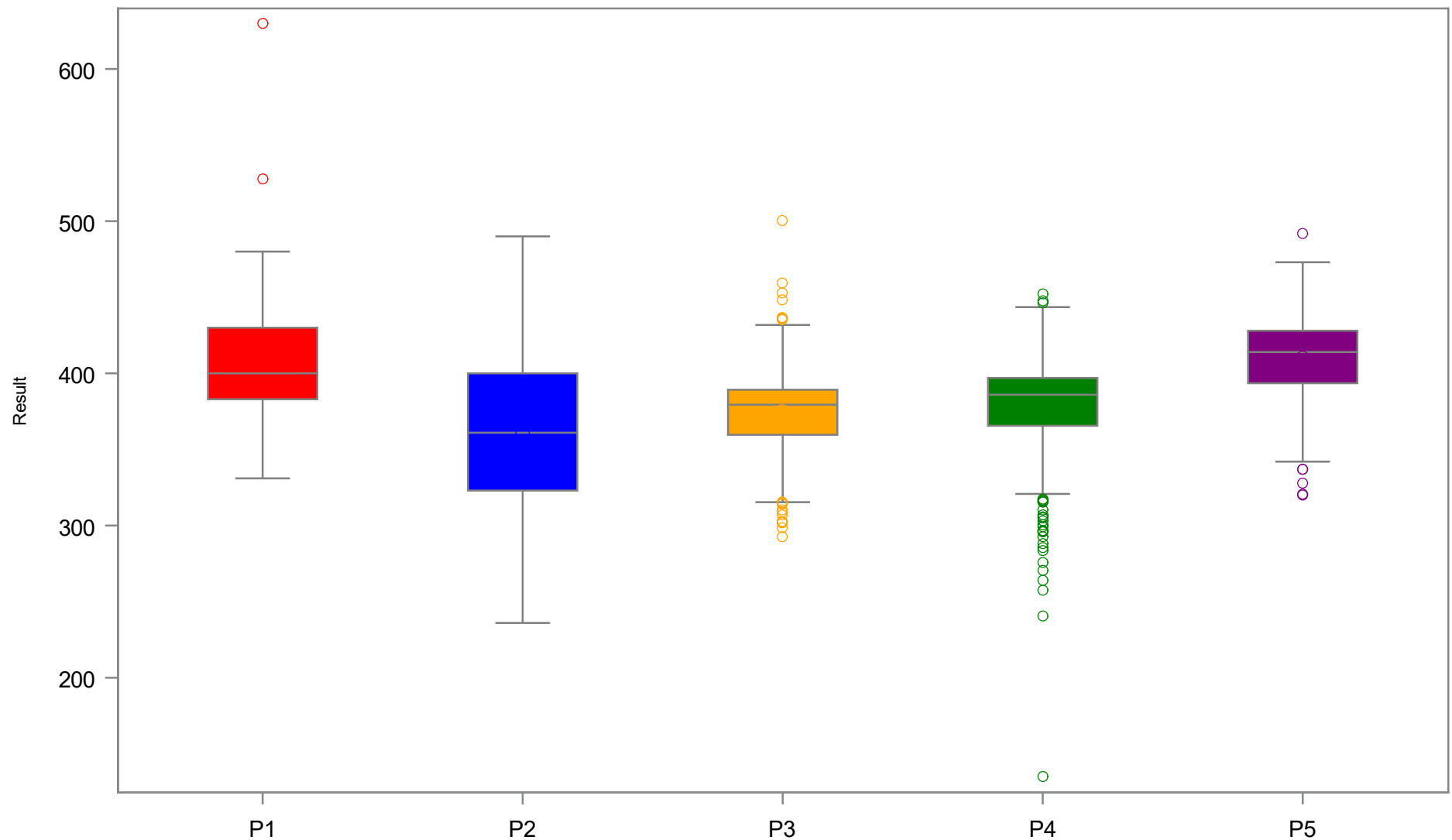
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Specific Conductance Daily Average (us/cm)

	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	668	292.50	359.64	374.45	379.42	389.23	500.50
P4	617	135.00	365.56	378.86	385.97	396.98	452.00
P5	464	320.00	393.50	409.88	414.00	428.00	492.00

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Specific Conductance Daily Average (us/cm)



Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Sulphur Springs Pool Surface Dissolved Oxygen Daily Average (mg/l)



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

DRAFT Distributional Statistics by Period for Sulphur Springs Pool Surface Dissolved Oxygen Daily Average (mg/l)

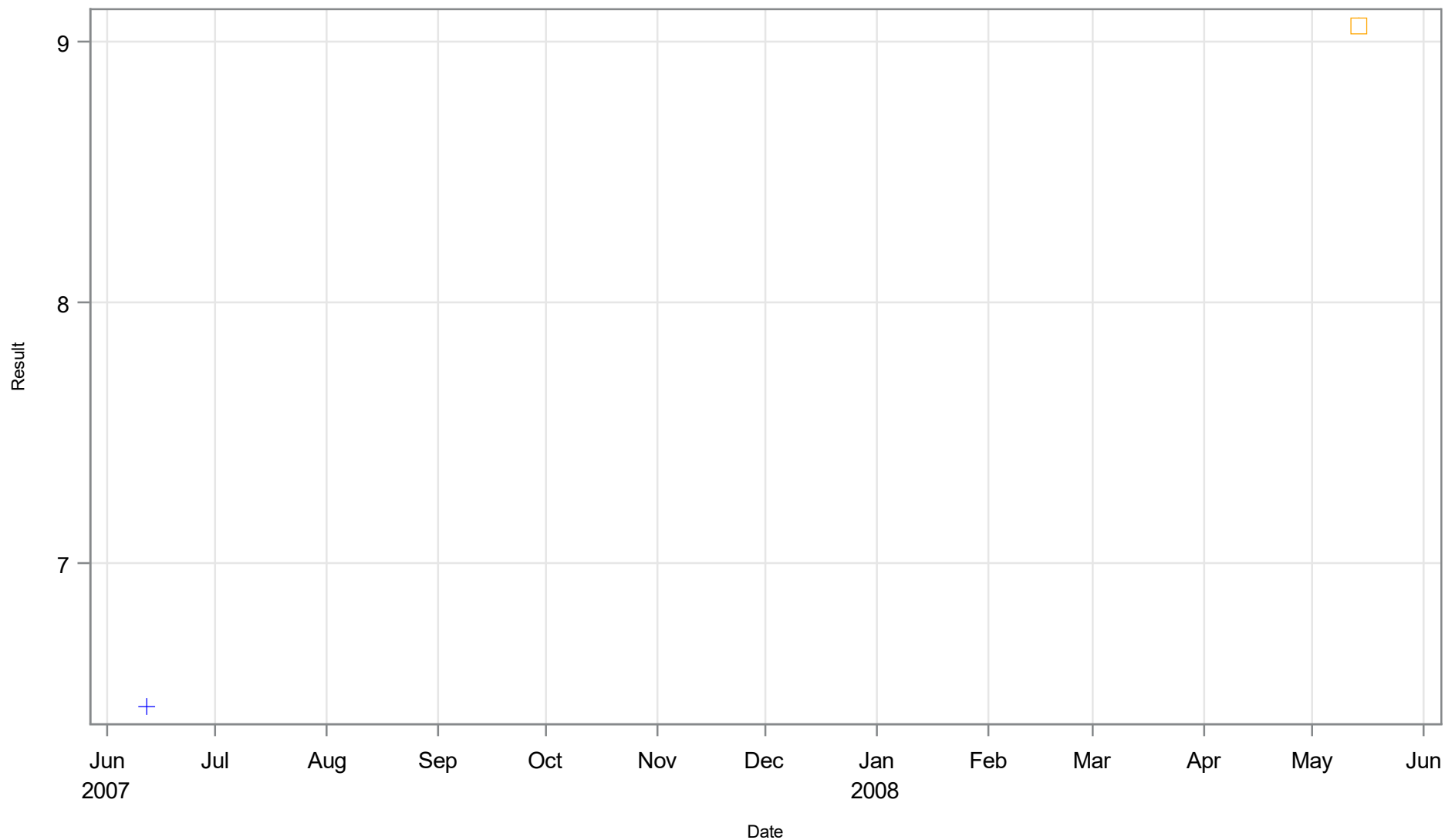
	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	0	0	0	0	0	0	0
P3	0	0	0	0	0	0	0
P4	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0

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

DRAFT

DRAFT

Timeseries of Sulphur Springs Run Bottom Dissolved Oxygen (mg/l)



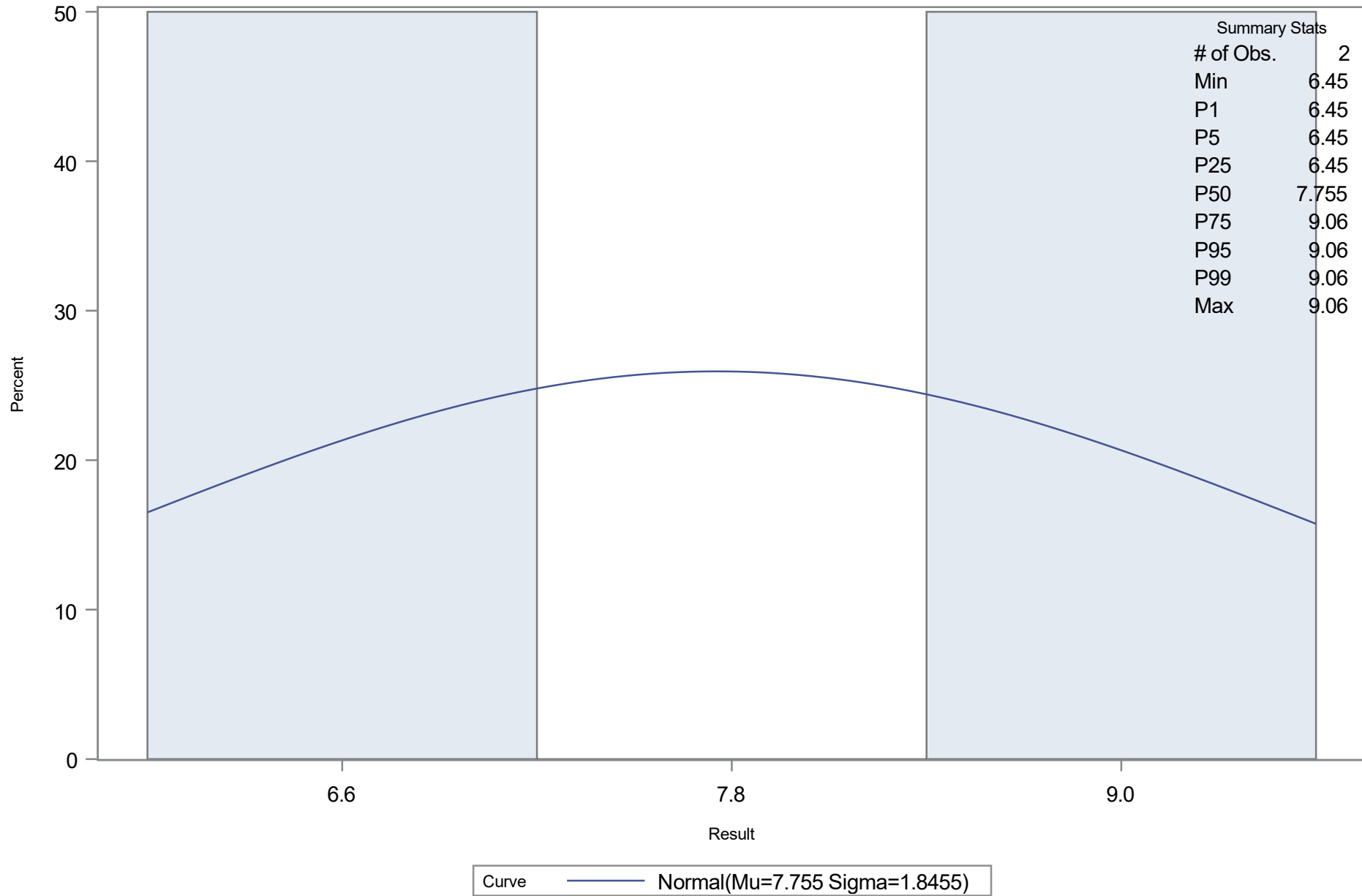
Period + P2 □ P3

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

DRAFT

Univariate Histogram of Sulphur Springs Run Bottom Dissolved Oxygen (mg/l)

Distribution of Result



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

DRAFT**Univariate Histogram of Sulphur Springs Run Bottom Dissolved Oxygen (mg/l)****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		
Percent	Quantile	
	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

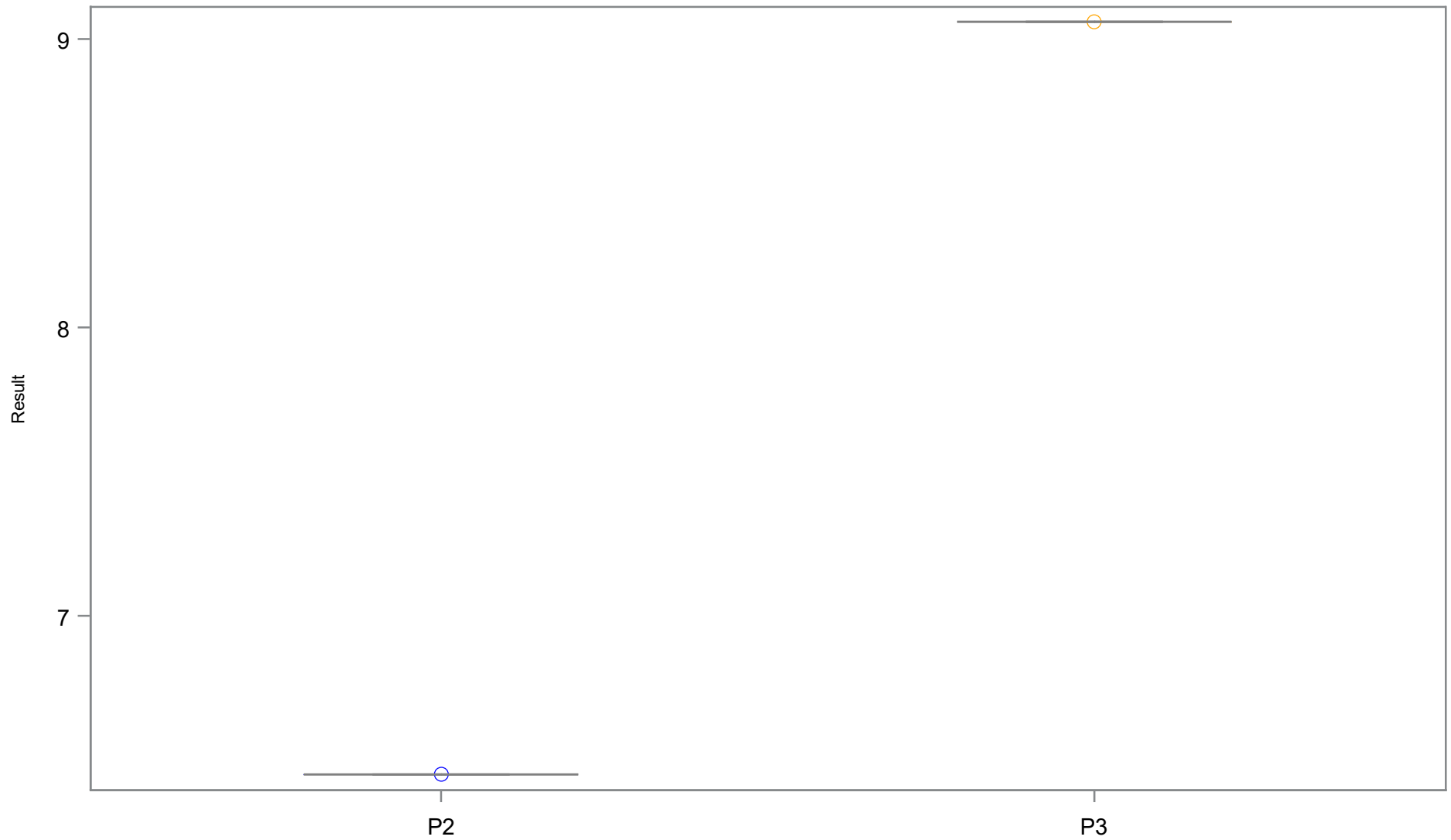
Distributional Statistics by Period for Sulphur Springs Run Bottom Dissolved Oxygen (mg/l)

	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 Sulphur Springs Run Bottom Dissolved Oxygen (mg/l)

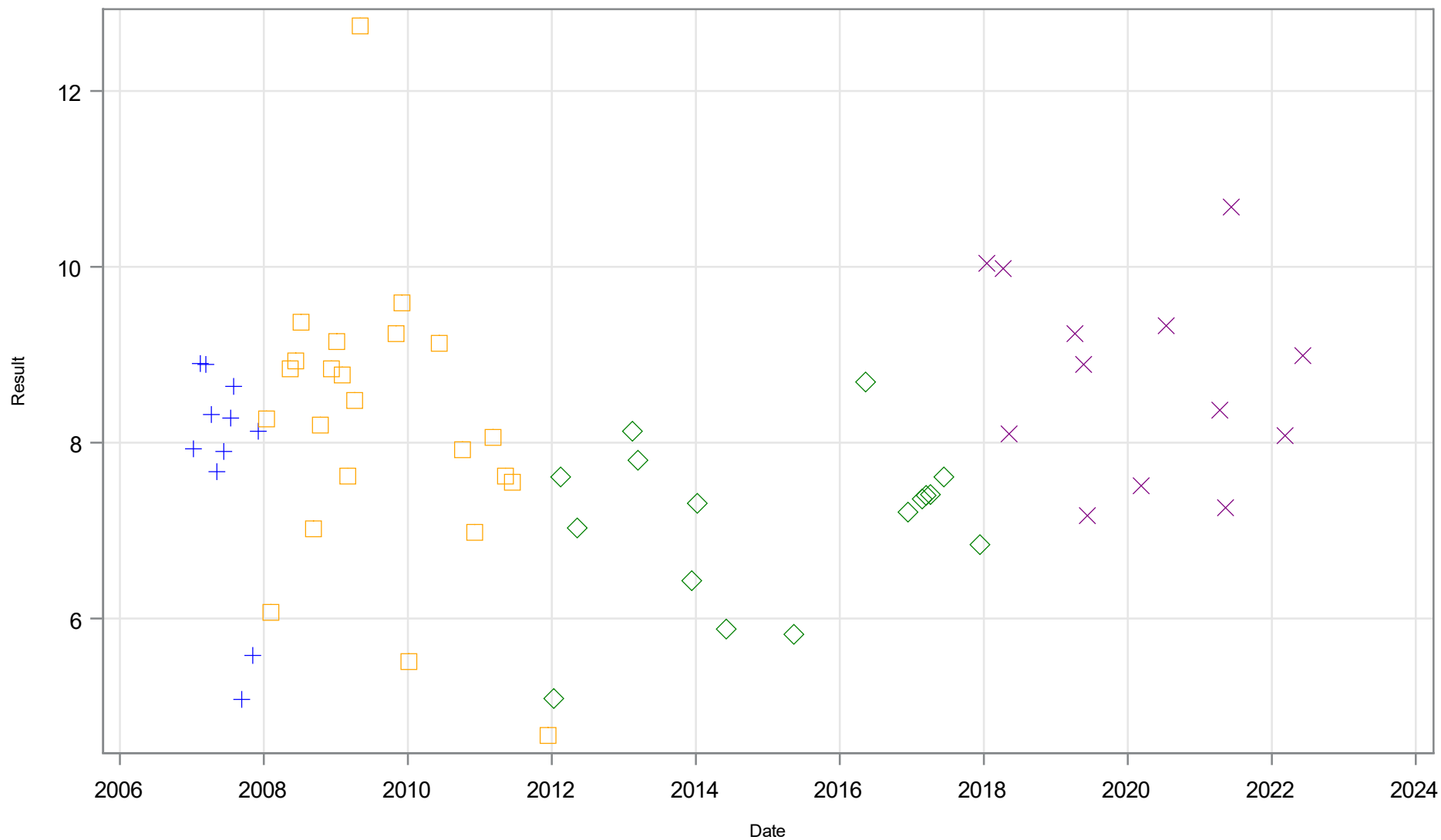


Period ■ P2 ■ P3

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

DRAFT

Timeseries of Sulphur Springs Run Midwater Dissolved Oxygen (mg/l)

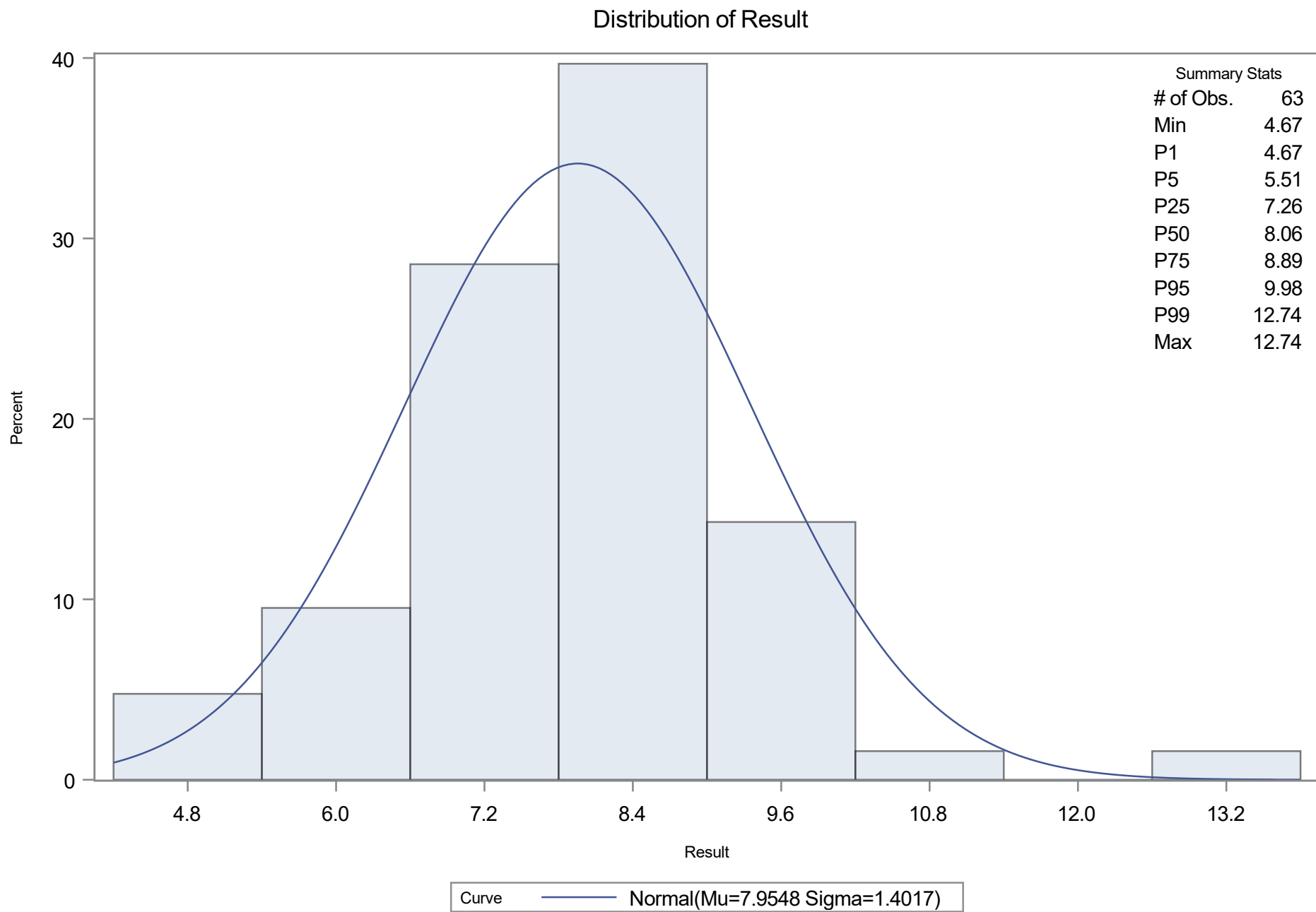


Period + P2 □ P3 ◇ P4 X P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Midwater Dissolved Oxygen (mg/l)



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

Univariate Histogram of Sulphur Springs Run Midwater Dissolved Oxygen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.954762
Std Dev	Sigma	1.401723

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08467140	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.08956235	Pr > W-Sq	0.154
Anderson-Darling	A-Sq	0.62708062	Pr > A-Sq	0.098

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	4.67000	4.69387
5.0	5.51000	5.64913
10.0	5.88000	6.15838
25.0	7.26000	7.00931
50.0	8.06000	7.95476
75.0	8.89000	8.90021
90.0	9.33000	9.75114
95.0	9.98000	10.26039
99.0	12.74000	11.21566

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

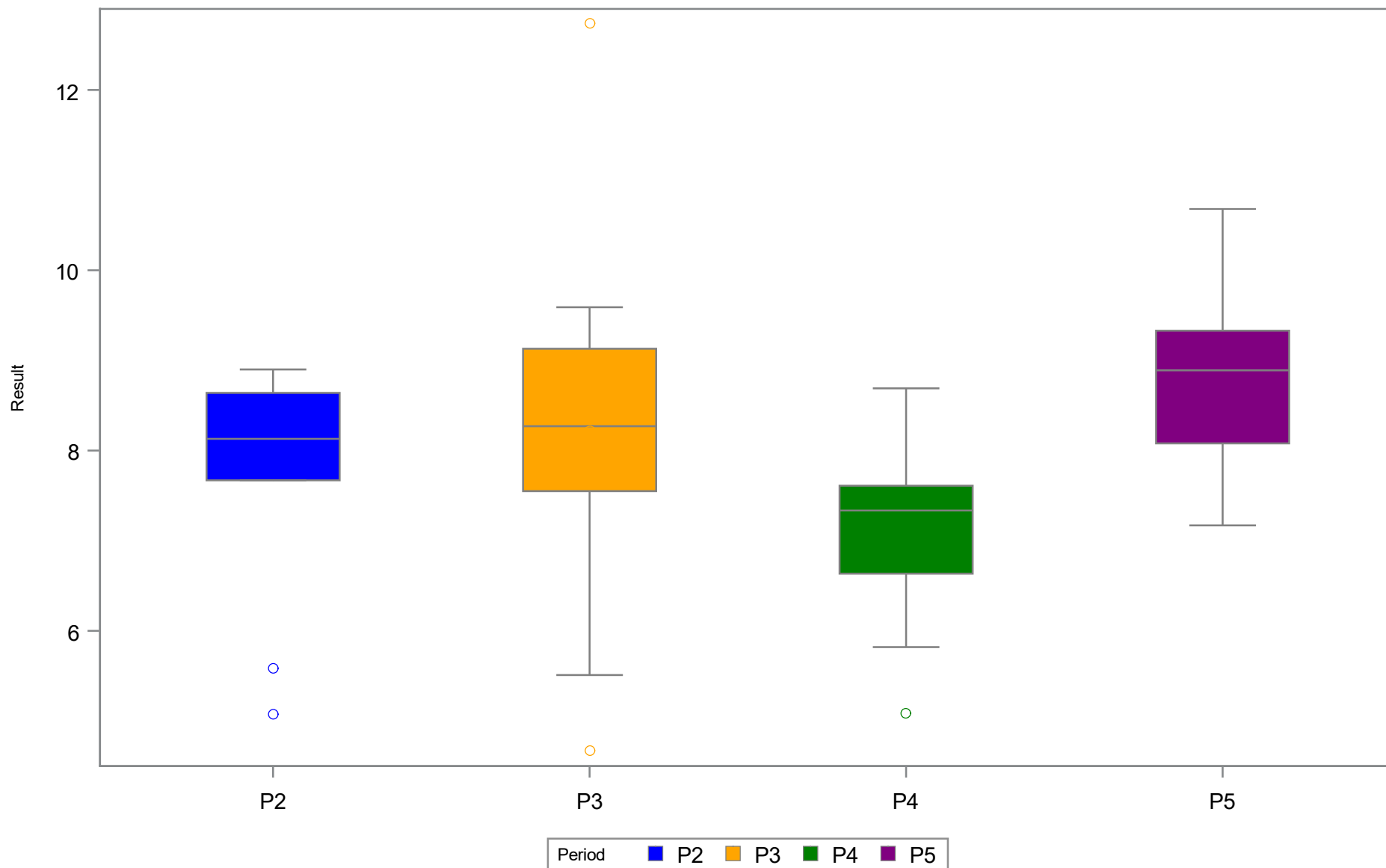
DRAFT**Distributional Statistics by Period for Sulphur Springs Run Midwater Dissolved Oxygen (mg/l)**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	5.08	7.67	7.76	8.13	8.64	8.90
P3	23	4.67	7.55	8.20	8.27	9.13	12.74
P4	16	5.09	6.64	7.10	7.34	7.61	8.69
P5	13	7.17	8.08	8.74	8.89	9.33	10.68

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Midwater Dissolved Oxygen (mg/l)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Dissolved Oxygen (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

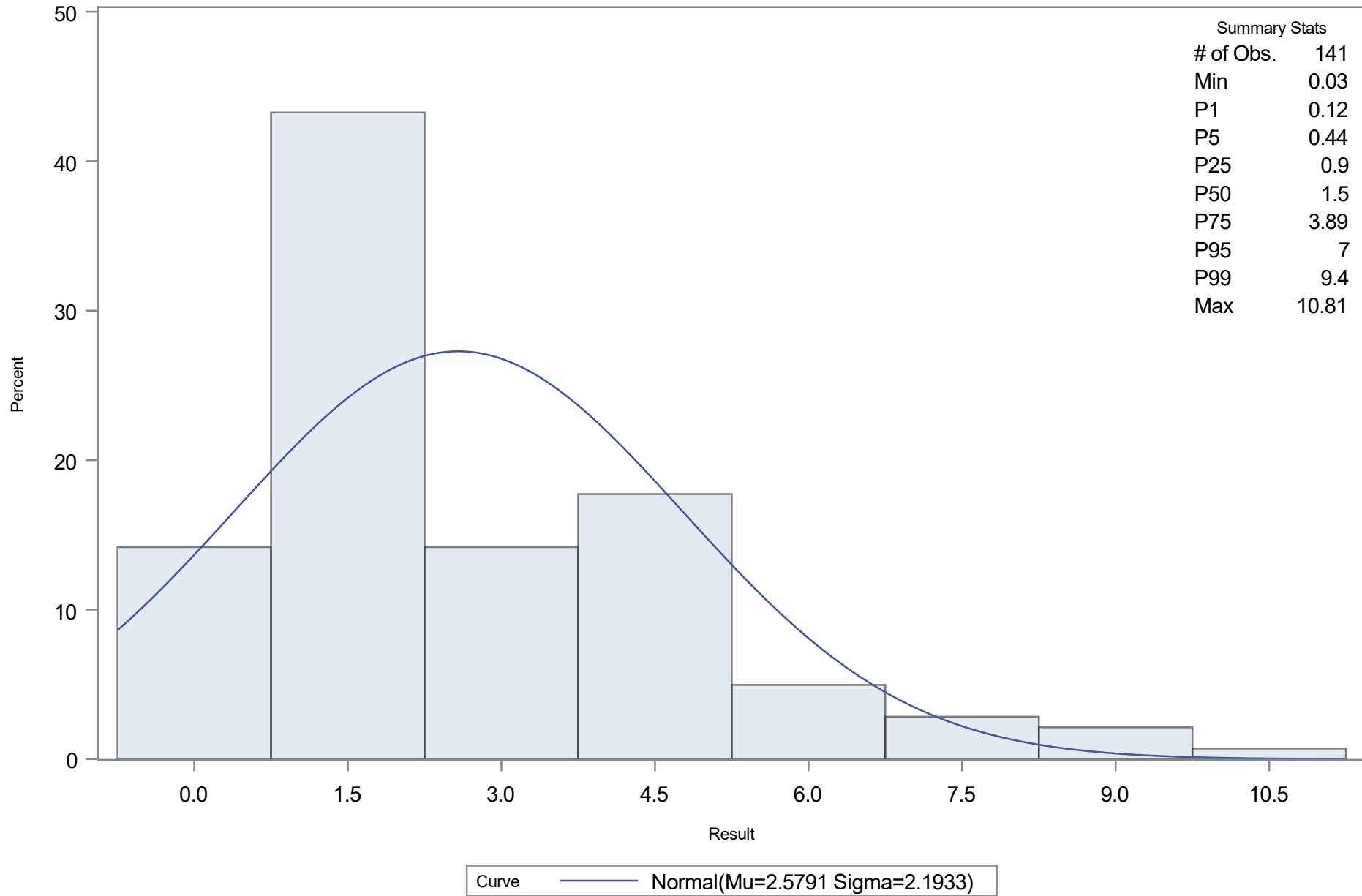
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Dissolved Oxygen (mg/l)

Distribution of Result



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

DRAFT**Univariate Histogram of Sulphur Springs Run Surface Dissolved Oxygen (mg/l)****Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.579149
Std Dev	Sigma	2.19326

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.20315096	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.18591350	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	6.80744432	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.12000	-2.52314
5.0	0.44000	-1.02844
10.0	0.61000	-0.23163
25.0	0.90000	1.09982
50.0	1.50000	2.57915
75.0	3.89000	4.05848
90.0	5.40000	5.38992
95.0	7.00000	6.18674
99.0	9.40000	7.68143

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

DRAFT

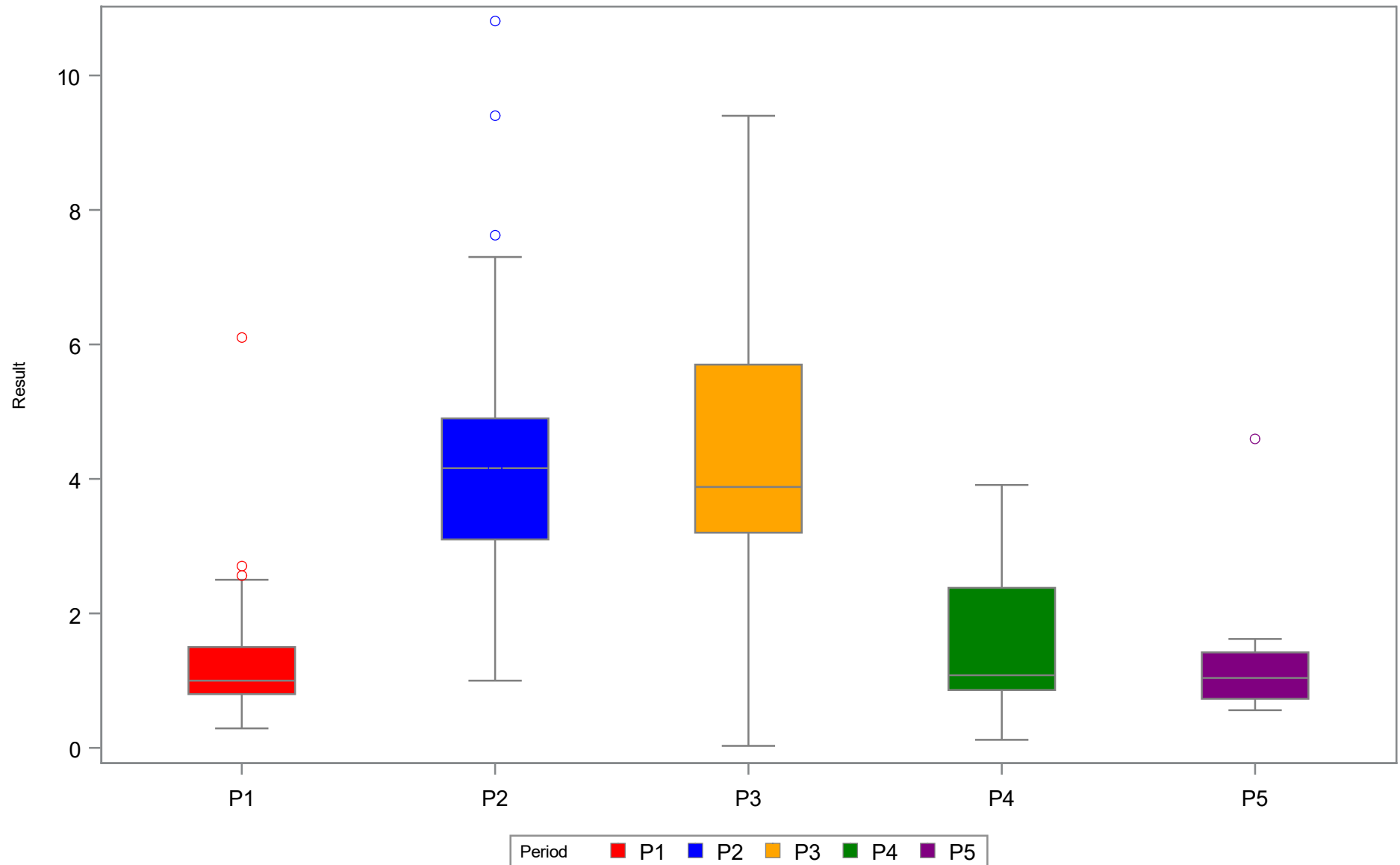
Distributional Statistics by Period for Sulphur Springs Run Surface Dissolved Oxygen (mg/l)

	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	4.16	4.16	4.90	10.81
P3	21	0.03	3.20	4.33	3.88	5.70	9.40
P4	18	0.12	0.86	1.52	1.08	2.38	3.91
P5	15	0.56	0.73	1.24	1.04	1.42	4.59

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Surface Dissolved Oxygen (mg/l)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Dissolved Oxygen Daily Average (mg/l)



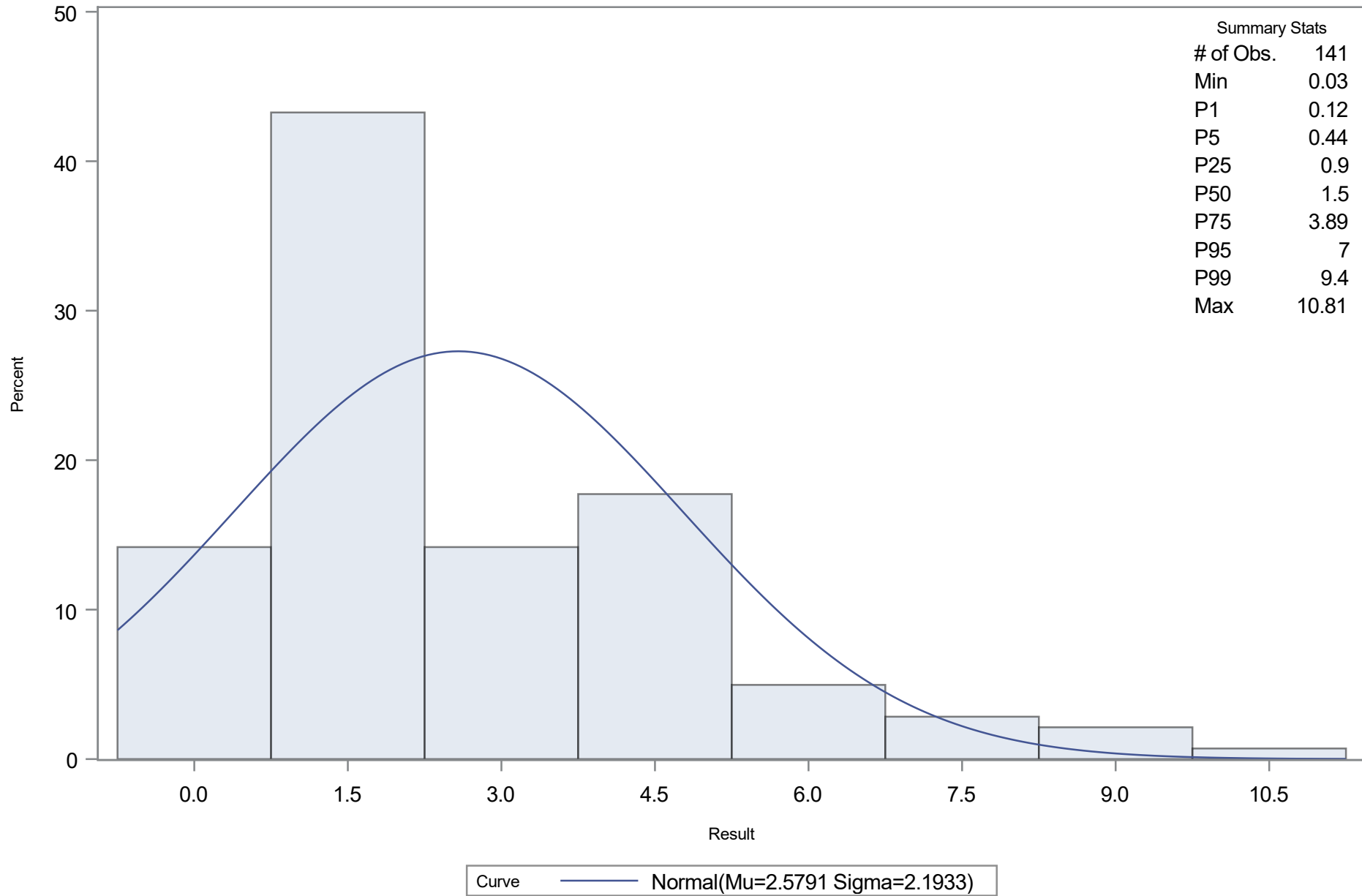
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Dissolved Oxygen Daily Average (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.579149
Std Dev	Sigma	2.19326

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.20315096	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.18591350	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	6.80744432	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.12000	-2.52314
5.0	0.44000	-1.02844
10.0	0.61000	-0.23163
25.0	0.90000	1.09982
50.0	1.50000	2.57915
75.0	3.89000	4.05848
90.0	5.40000	5.38992
95.0	7.00000	6.18674
99.0	9.40000	7.68143

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

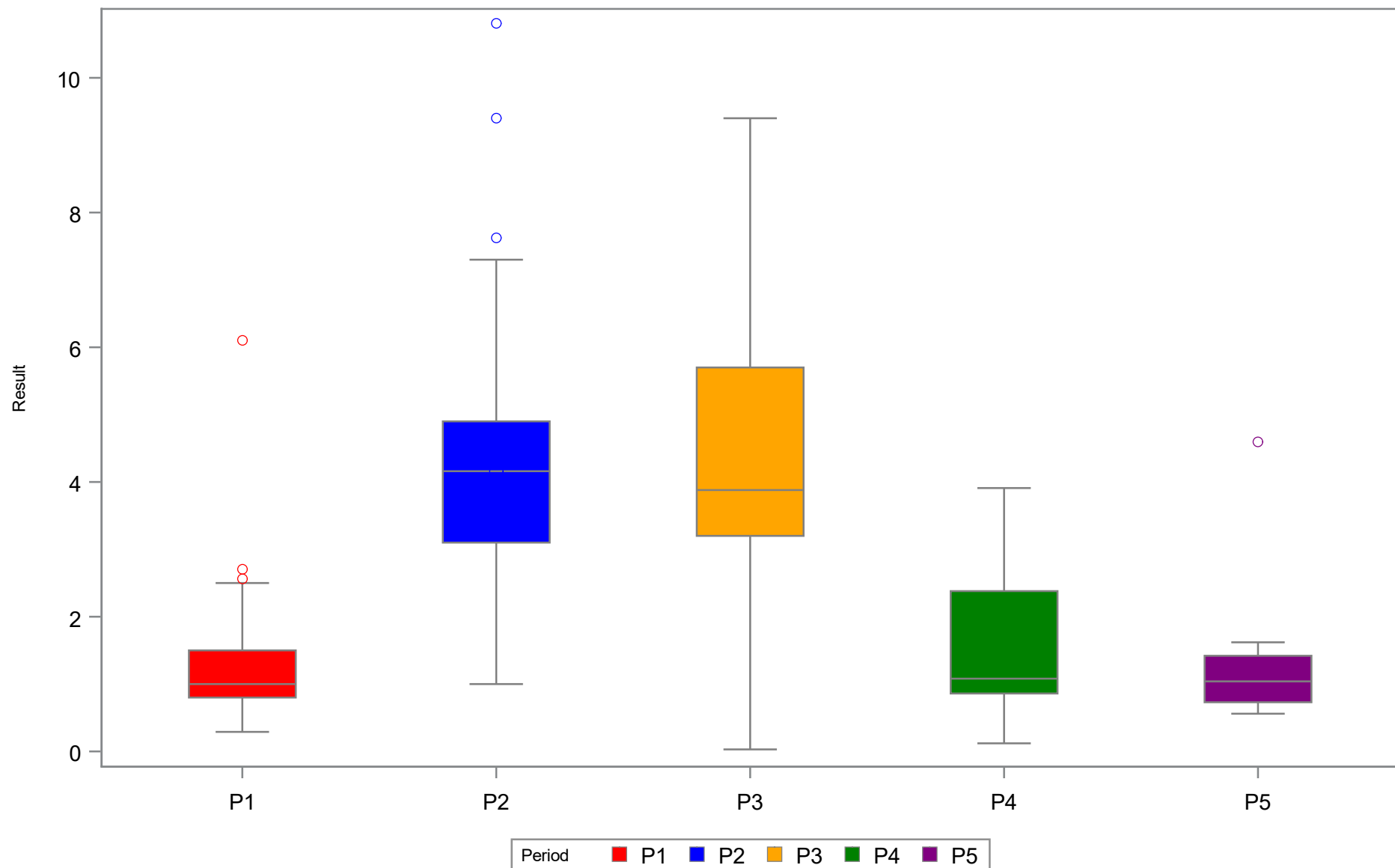
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Dissolved Oxygen Daily Average (mg/l)

	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	4.16	4.16	4.90	10.81
P3	21	0.03	3.20	4.33	3.88	5.70	9.40
P4	18	0.12	0.86	1.52	1.08	2.38	3.91
P5	15	0.56	0.73	1.24	1.04	1.42	4.59

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

DRAFT

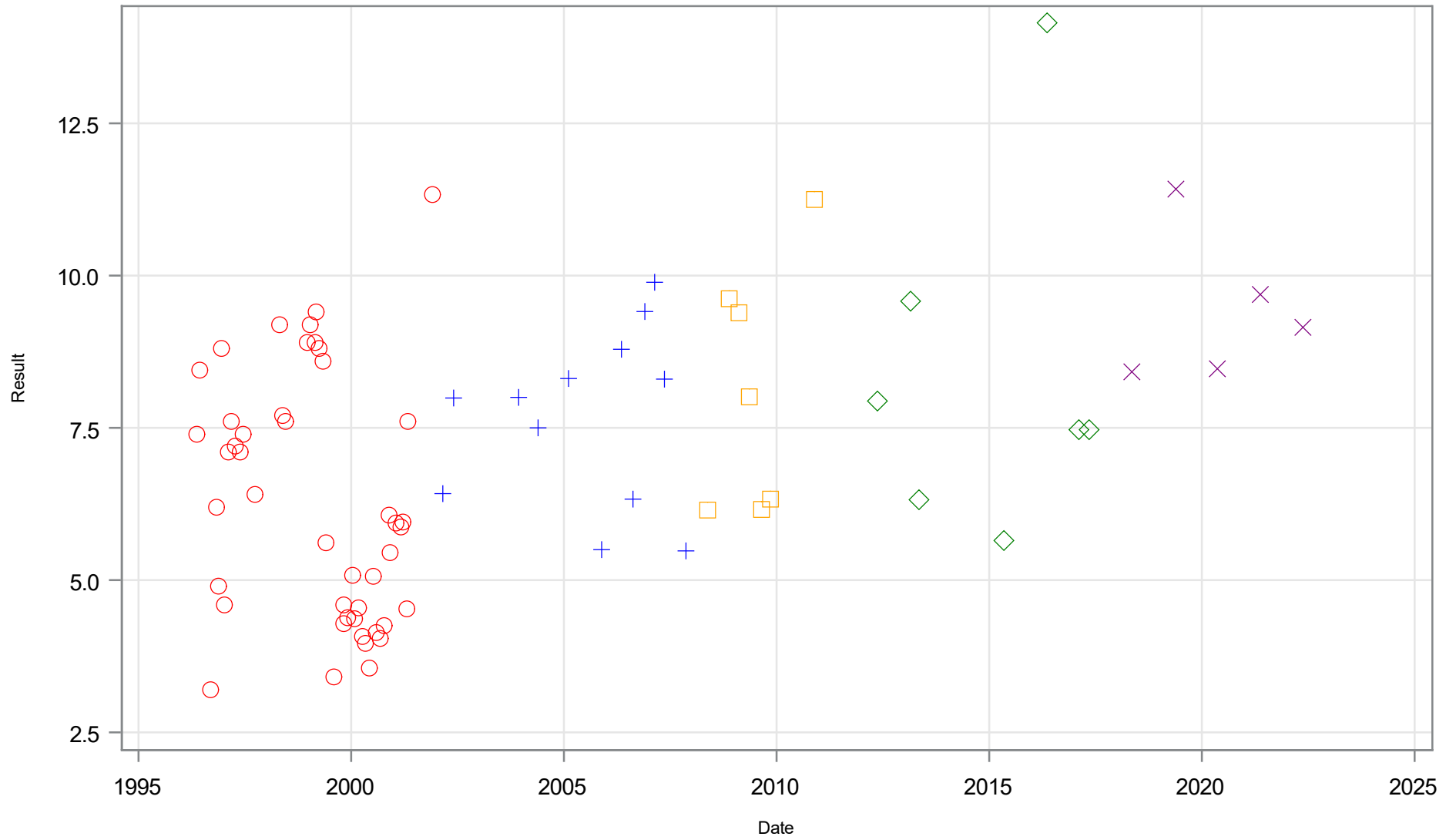
Boxplot by MFL Period for Sulphur Springs Run Surface Dissolved Oxygen Daily Average (mg/l)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Dissolved Oxygen (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

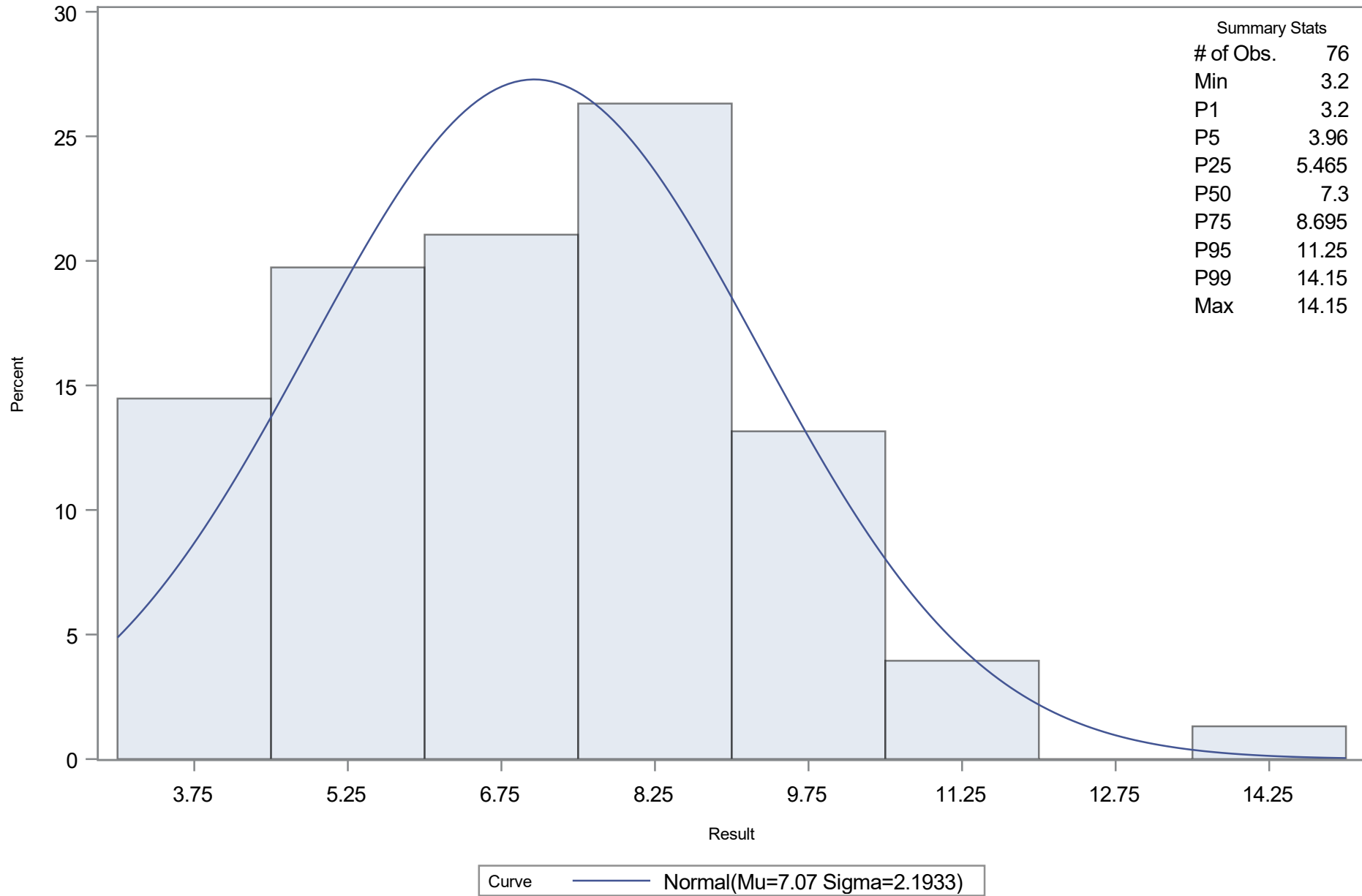
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Dissolved Oxygen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.07
Std Dev	Sigma	2.19332

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.07704661	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.06990593	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.52481244	Pr > A-Sq	0.184

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.20000	1.96758
5.0	3.96000	3.46231
10.0	4.25000	4.25915
25.0	5.46500	5.59063
50.0	7.30000	7.07000
75.0	8.69500	8.54937
90.0	9.58000	9.88085
95.0	11.25000	10.67769
99.0	14.15000	12.17242

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

DRAFT

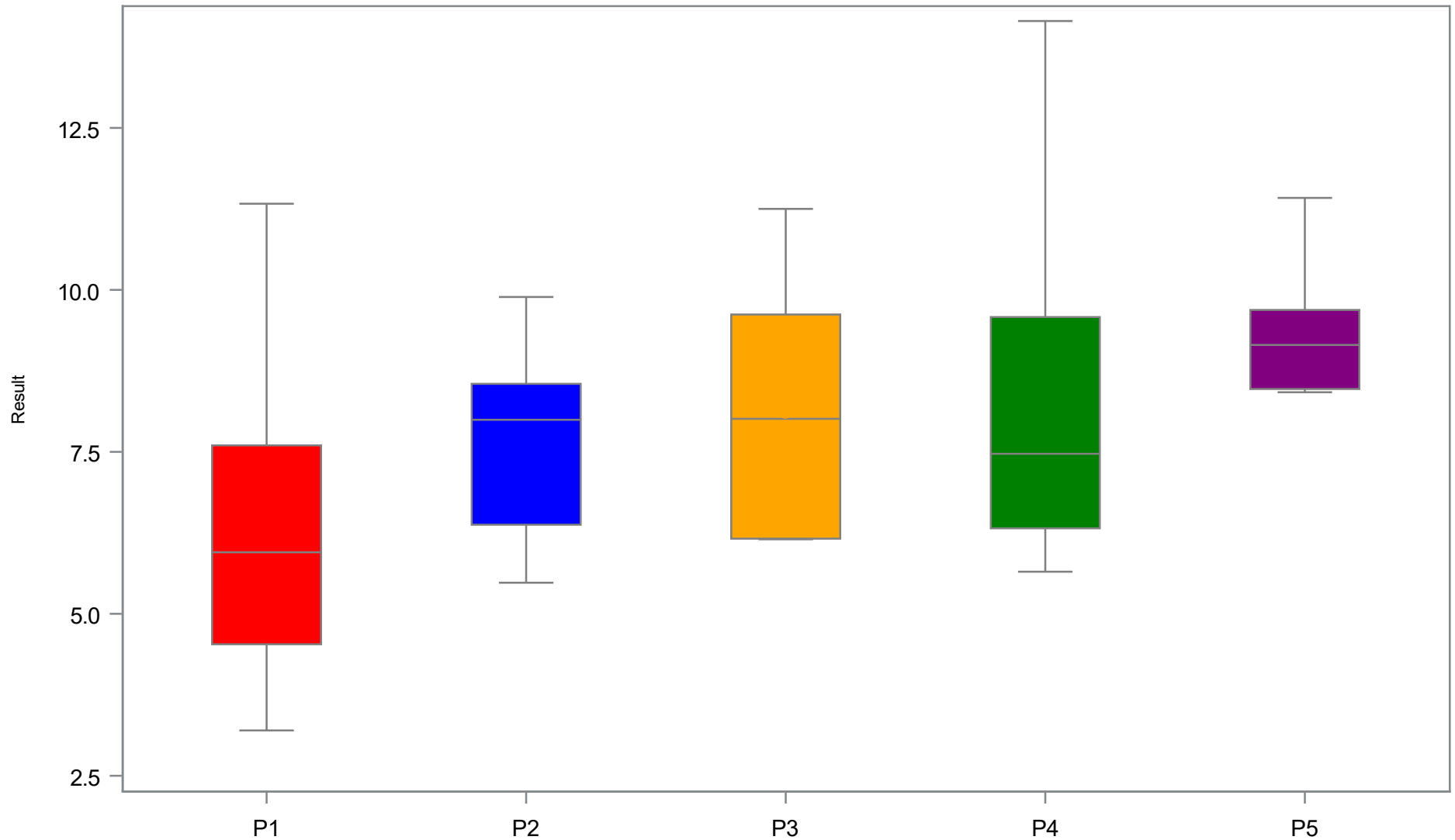
Distributional Statistics by Period for Tampa Bypass Canal Surface Dissolved Oxygen (mg/l)

	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	5	8.42	8.47	9.43	9.15	9.69	11.42

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

DRAFT

Boxplot by MFL Period for Tampa Bypass Canal Surface Dissolved Oxygen (mg/l)

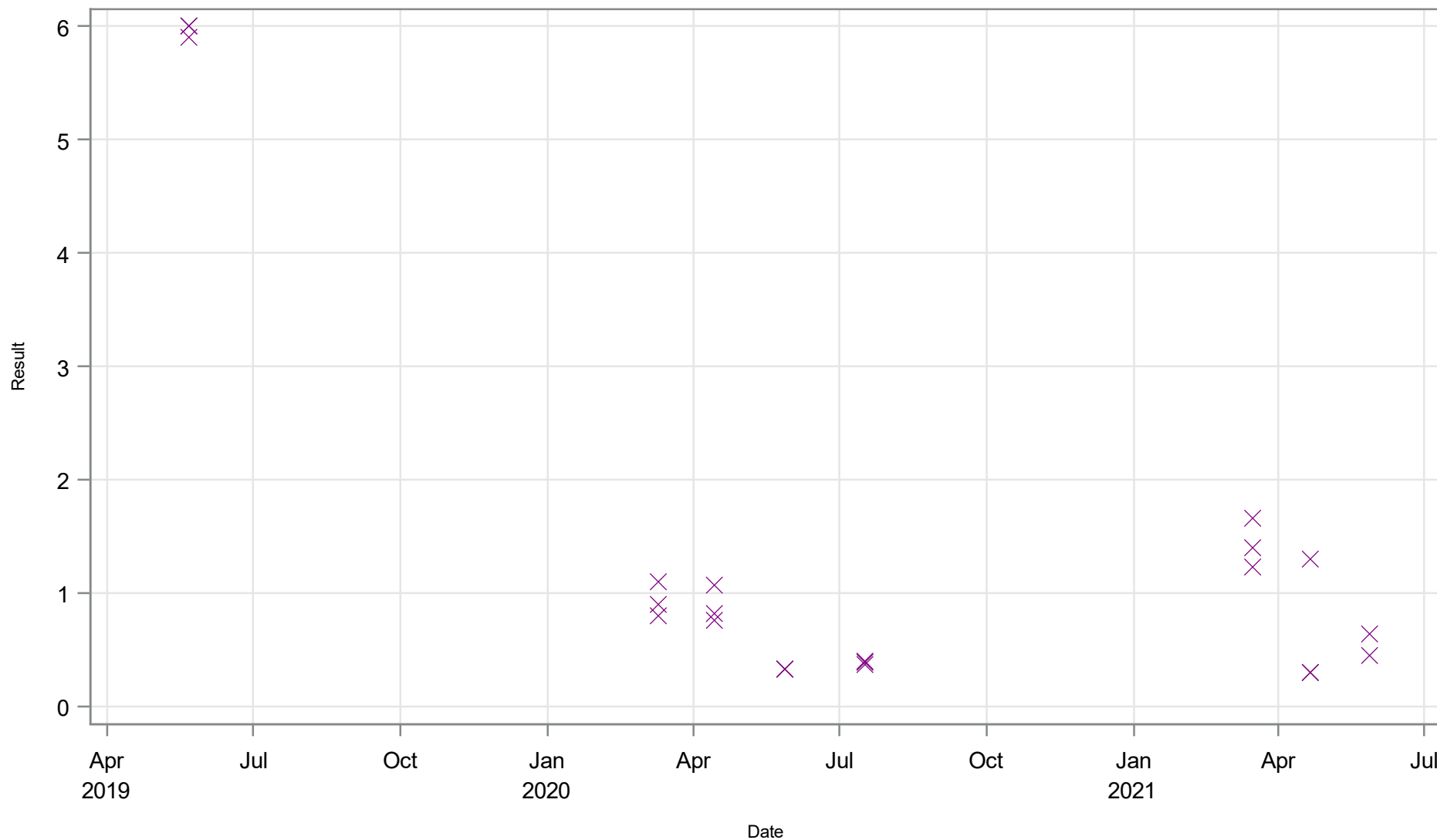


Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Bottom Dissolved Oxygen (mg/l)



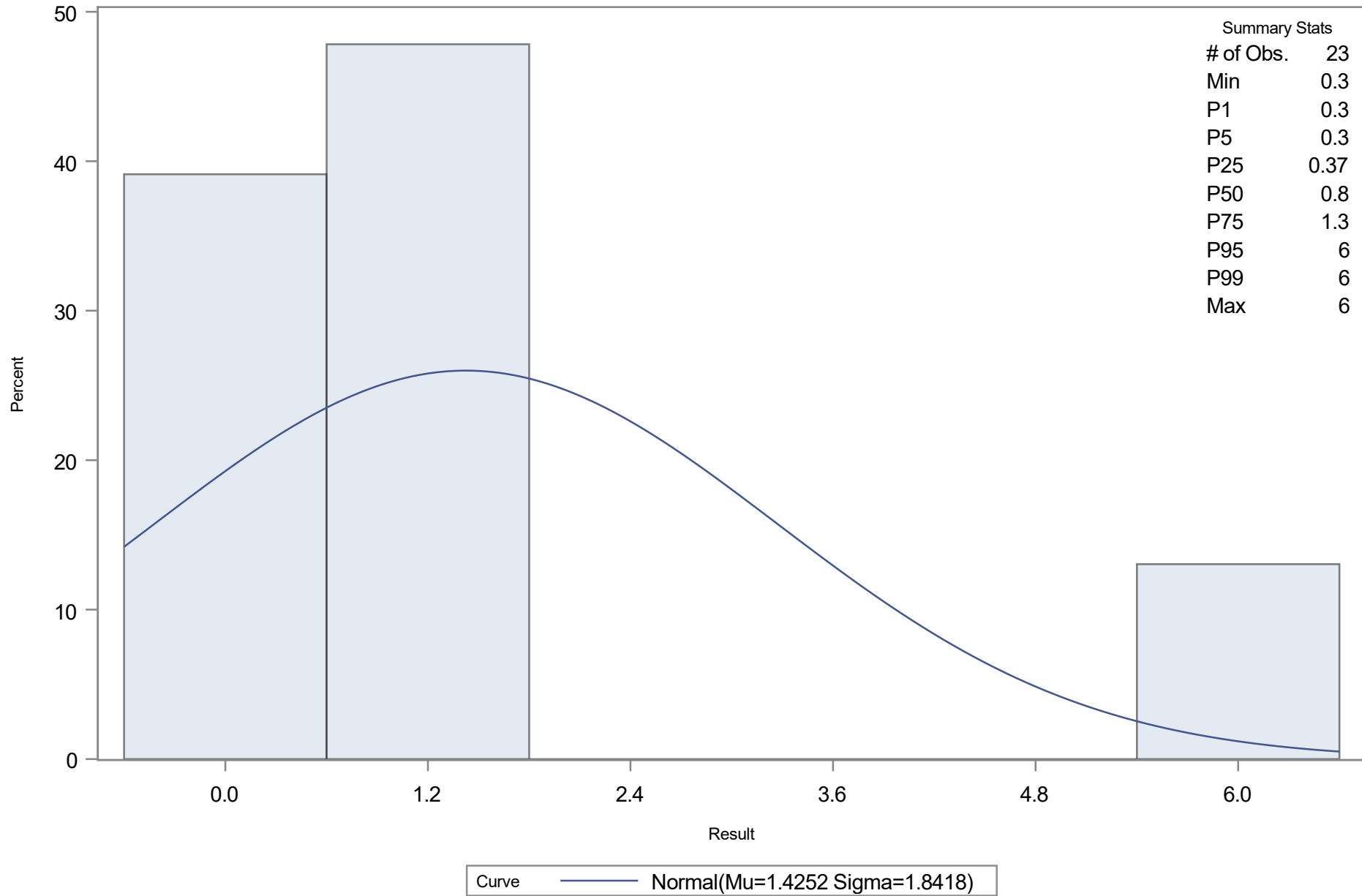
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Bottom Dissolved Oxygen (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Bottom Dissolved Oxygen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.425217
Std Dev	Sigma	1.841844

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.33154886	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.71945635	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.98169115	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.30000	-2.85955
5.0	0.30000	-1.60435
10.0	0.33000	-0.93520
25.0	0.37000	0.18291
50.0	0.80000	1.42522
75.0	1.30000	2.66752
90.0	5.90000	3.78564
95.0	6.00000	4.45478
99.0	6.00000	5.70999

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

DRAFT

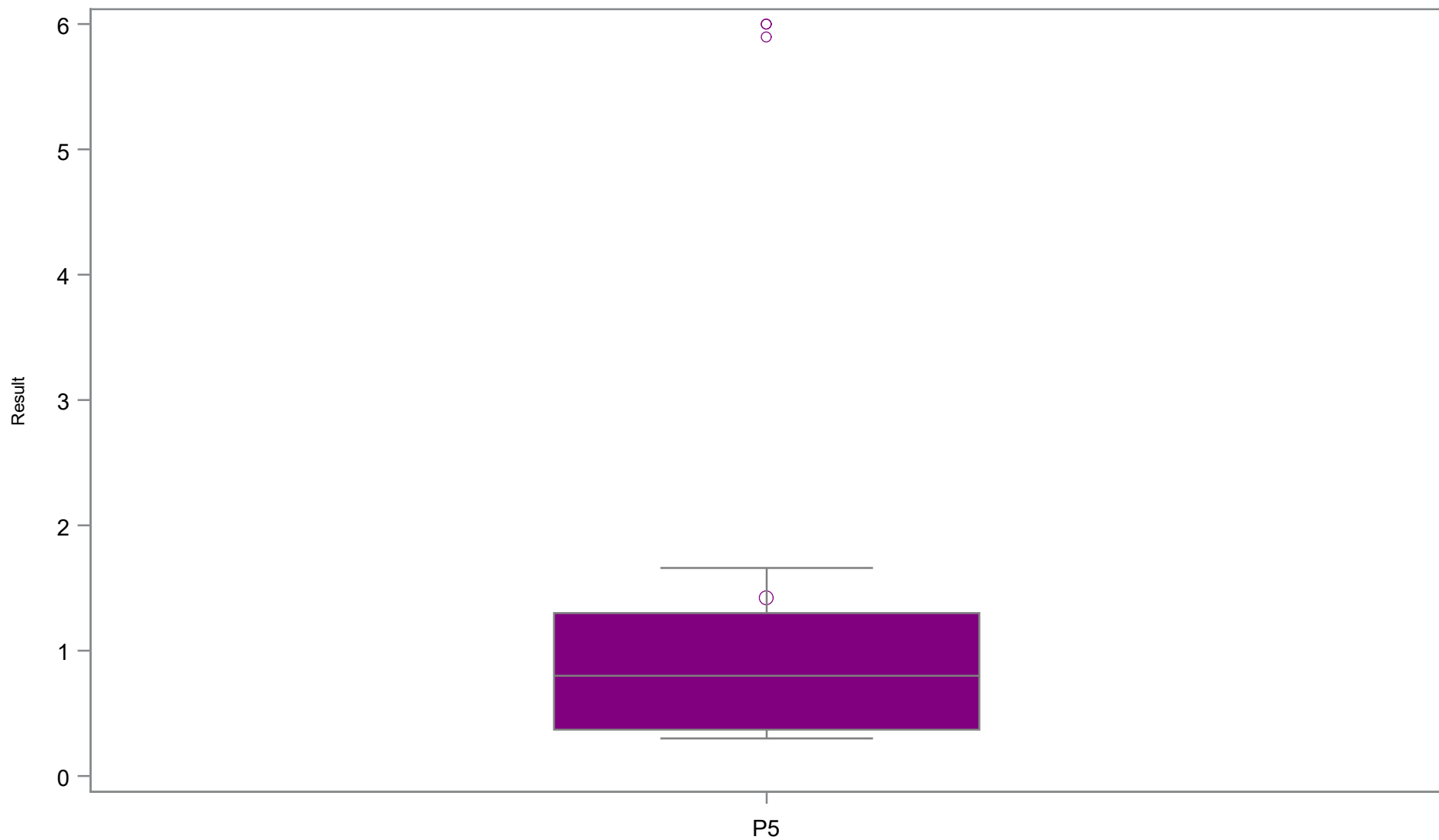
Distributional Statistics by Period for Moris Bridge Sink Bottom Dissolved Oxygen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	23	0.30	0.37	1.43	0.80	1.30	6.00

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Bottom Dissolved Oxygen (mg/l)

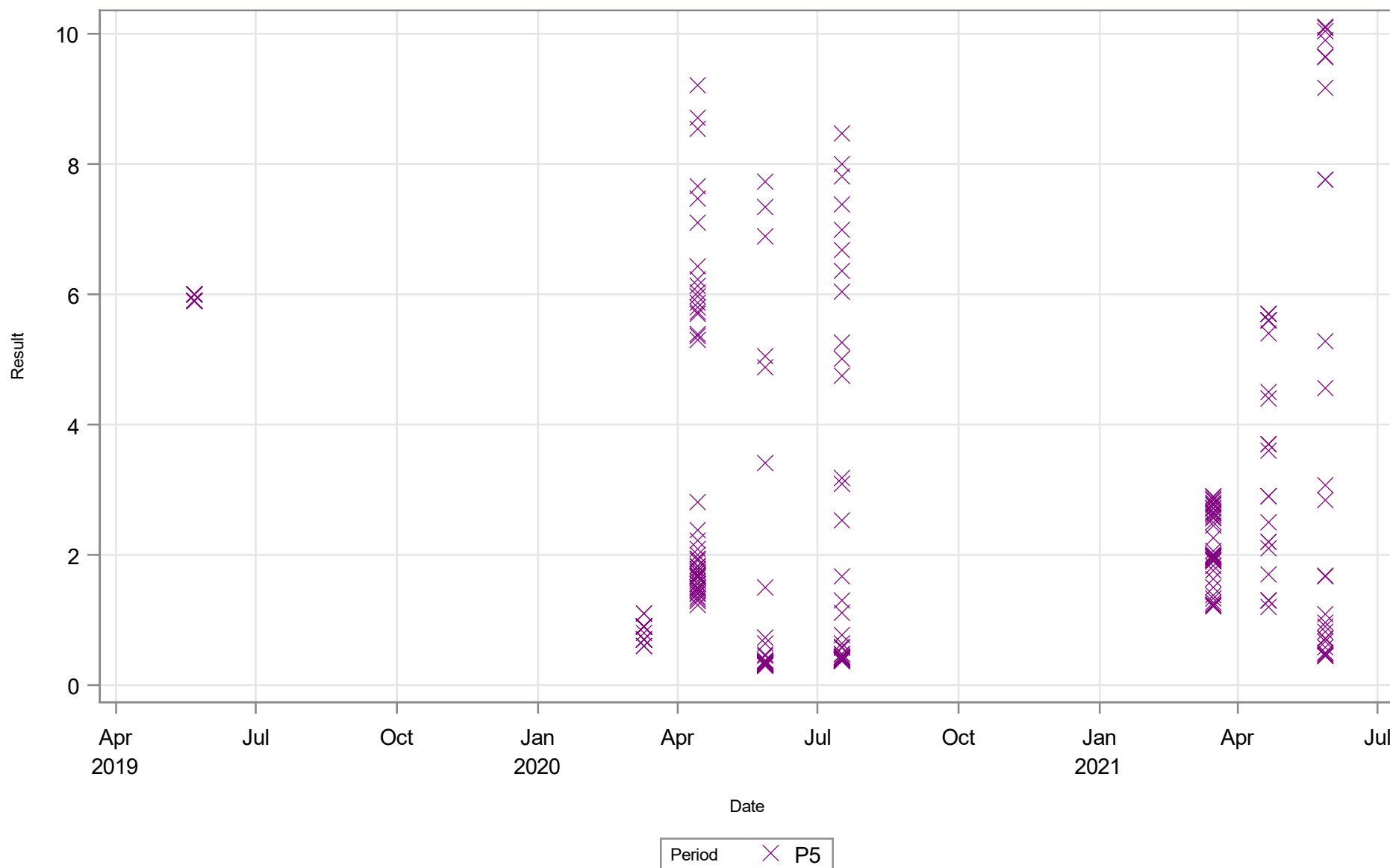


Period ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Midwater Dissolved Oxygen (mg/l)

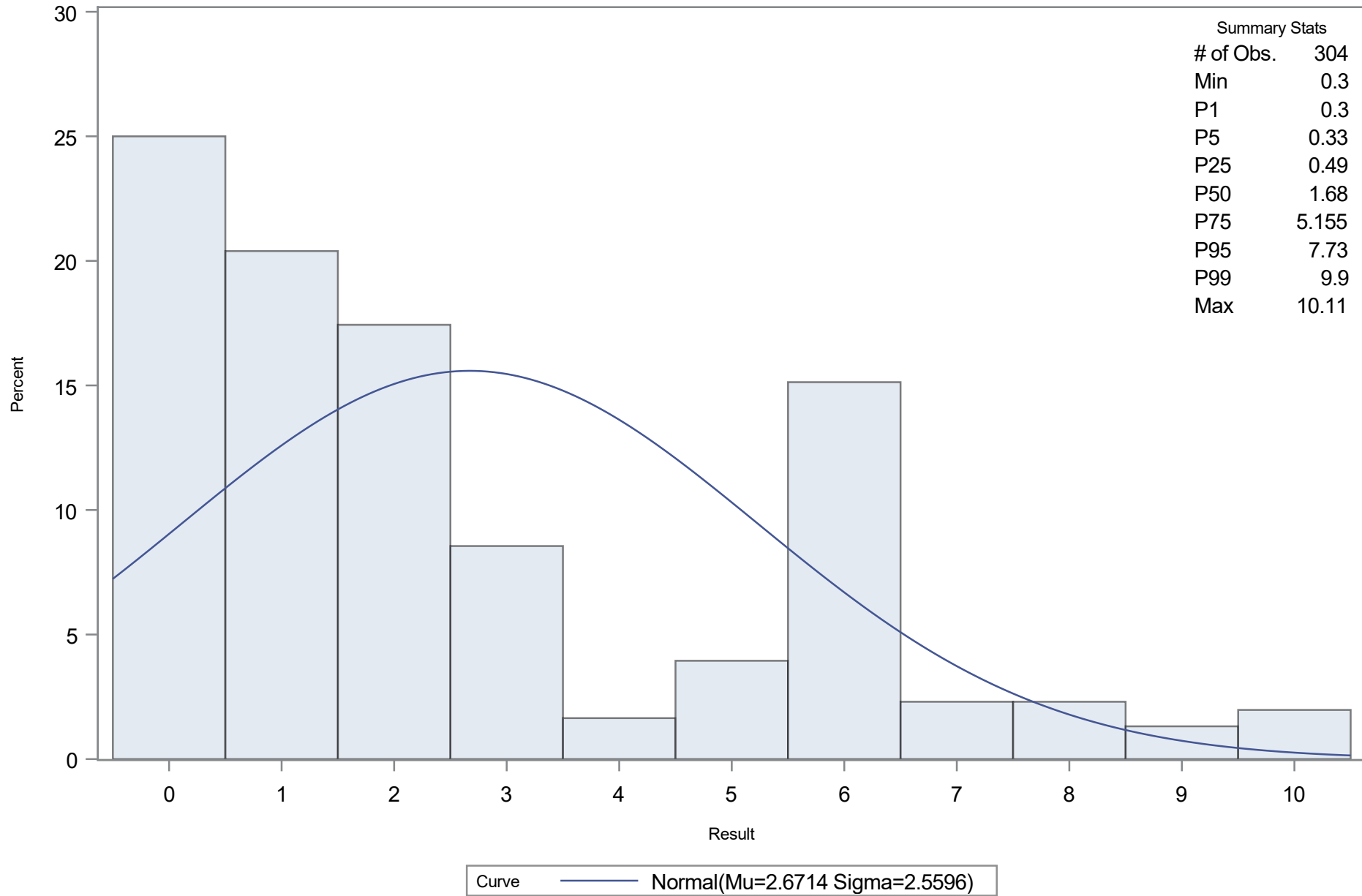


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Moris Bridge Sink Midwater Dissolved Oxygen (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Midwater Dissolved Oxygen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.671414
Std Dev	Sigma	2.559615

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2006366	Pr > D	<0.010
Cramer-von Mises	W-Sq	3.5637644	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	19.6298958	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.30000	-3.28314
5.0	0.33000	-1.53878
10.0	0.34000	-0.60886
25.0	0.49000	0.94498
50.0	1.68000	2.67141
75.0	5.15500	4.39785
90.0	6.00000	5.95169
95.0	7.73000	6.88161
99.0	9.90000	8.62597

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

DRAFT

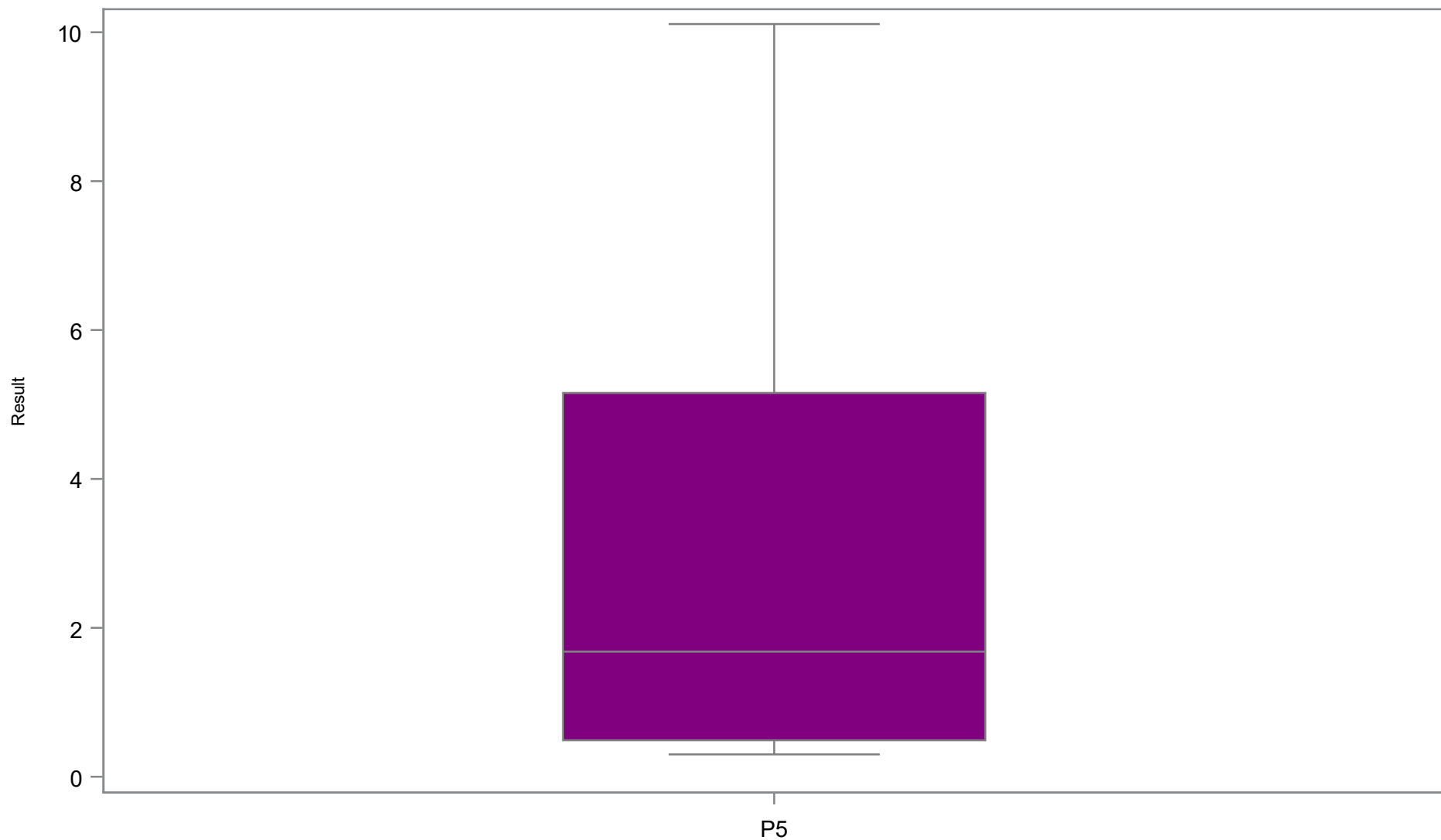
Distributional Statistics by Period for Moris Bridge Sink Midwater Dissolved Oxygen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	304	0.30	0.49	2.67	1.68	5.16	10.11

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Midwater Dissolved Oxygen (mg/l)

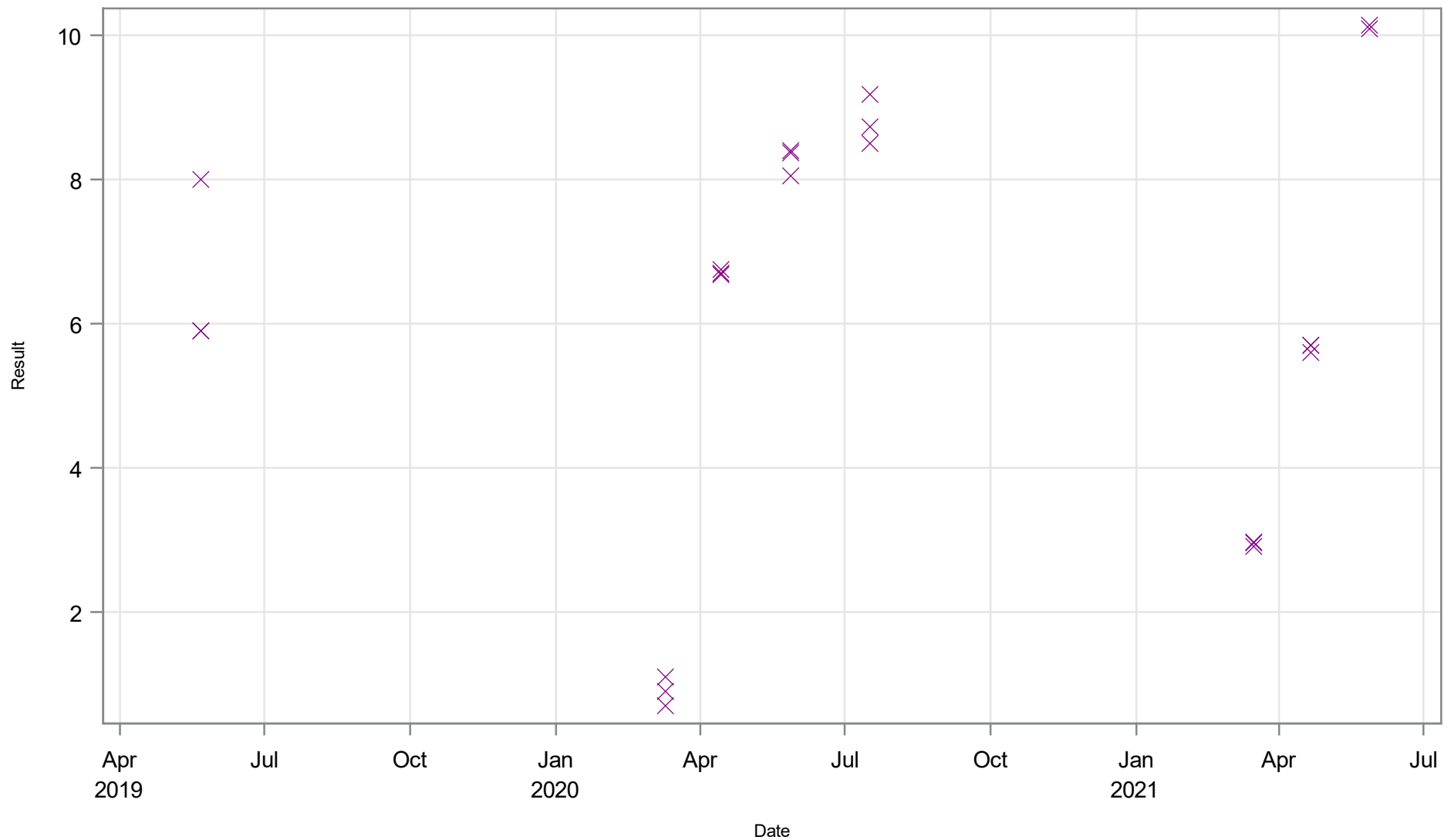


Period ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Surface Dissolved Oxygen (mg/l)



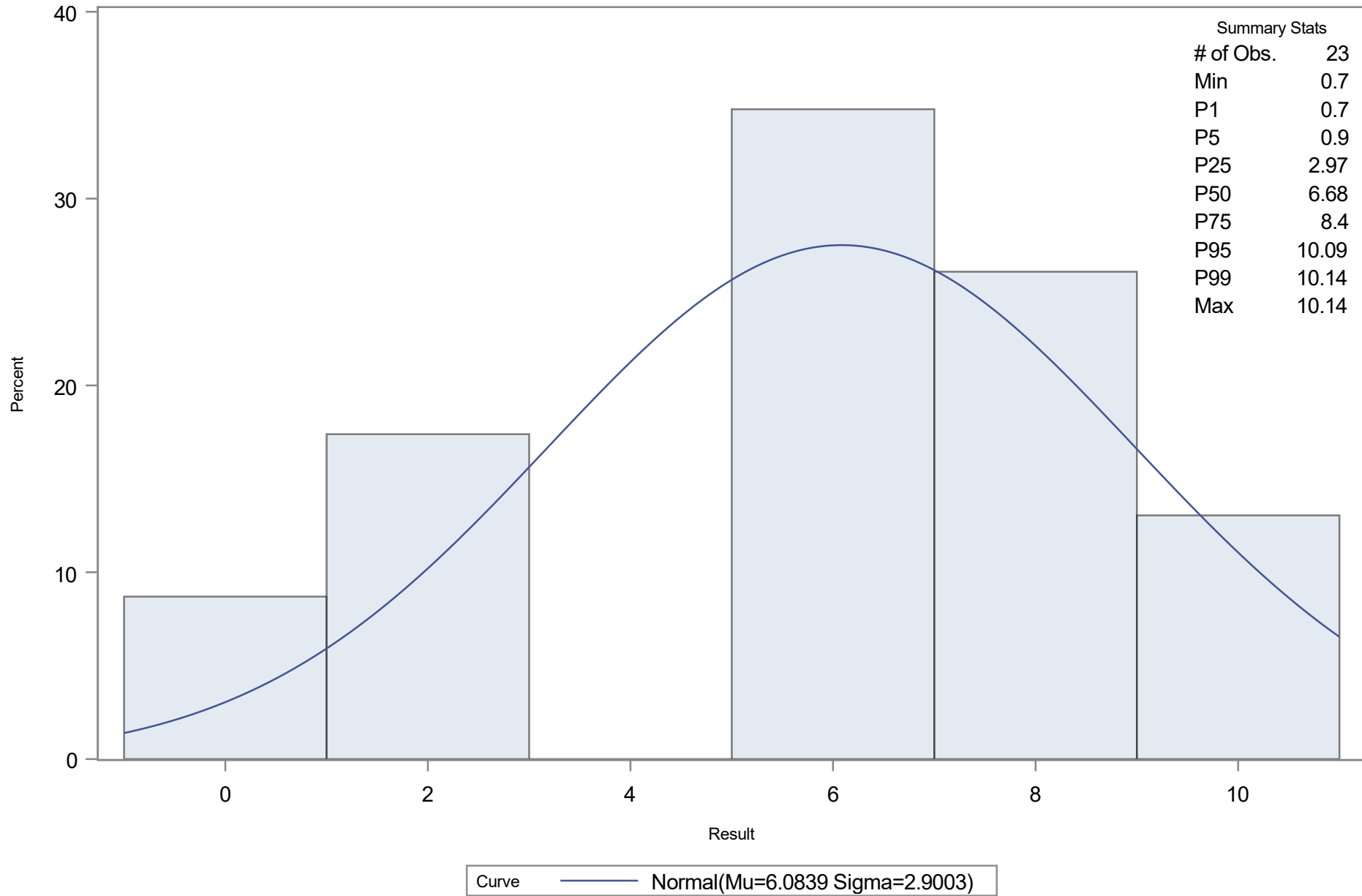
Period  P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Dissolved Oxygen (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Dissolved Oxygen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.083913
Std Dev	Sigma	2.900282

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.17287433	Pr > D	0.074
Cramer-von Mises	W-Sq	0.10801560	Pr > W-Sq	0.086
Anderson-Darling	A-Sq	0.67202978	Pr > A-Sq	0.073

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.70000	-0.66315
5.0	0.90000	1.31337
10.0	1.10000	2.36705
25.0	2.97000	4.12770
50.0	6.68000	6.08391
75.0	8.40000	8.04012
90.0	9.18000	9.80077
95.0	10.09000	10.85445
99.0	10.14000	12.83098

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

DRAFT

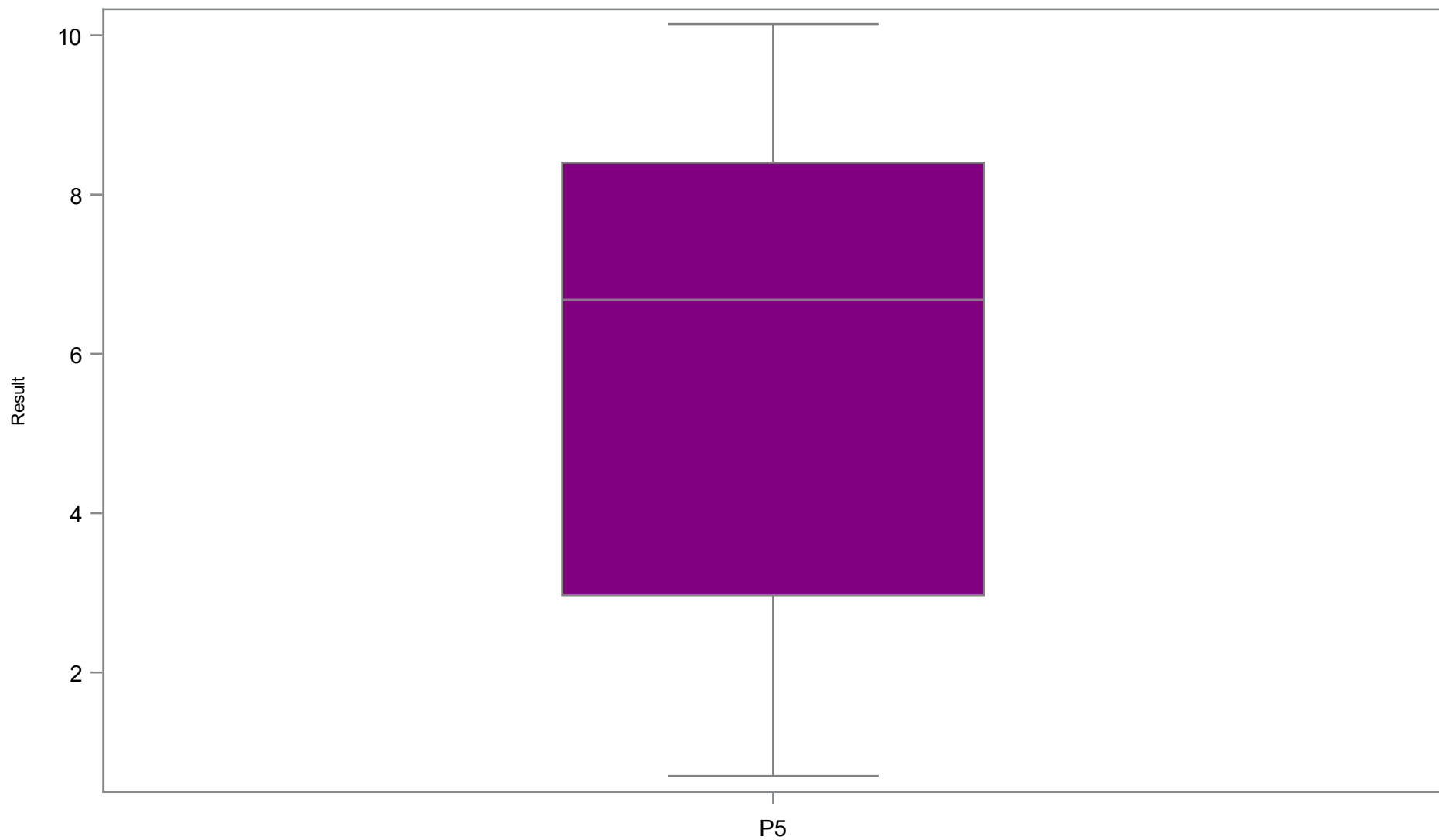
Distributional Statistics by Period for Moris Bridge Sink Surface Dissolved Oxygen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	23	0.70	2.97	6.08	6.68	8.40	10.14

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Dissolved Oxygen (mg/l)

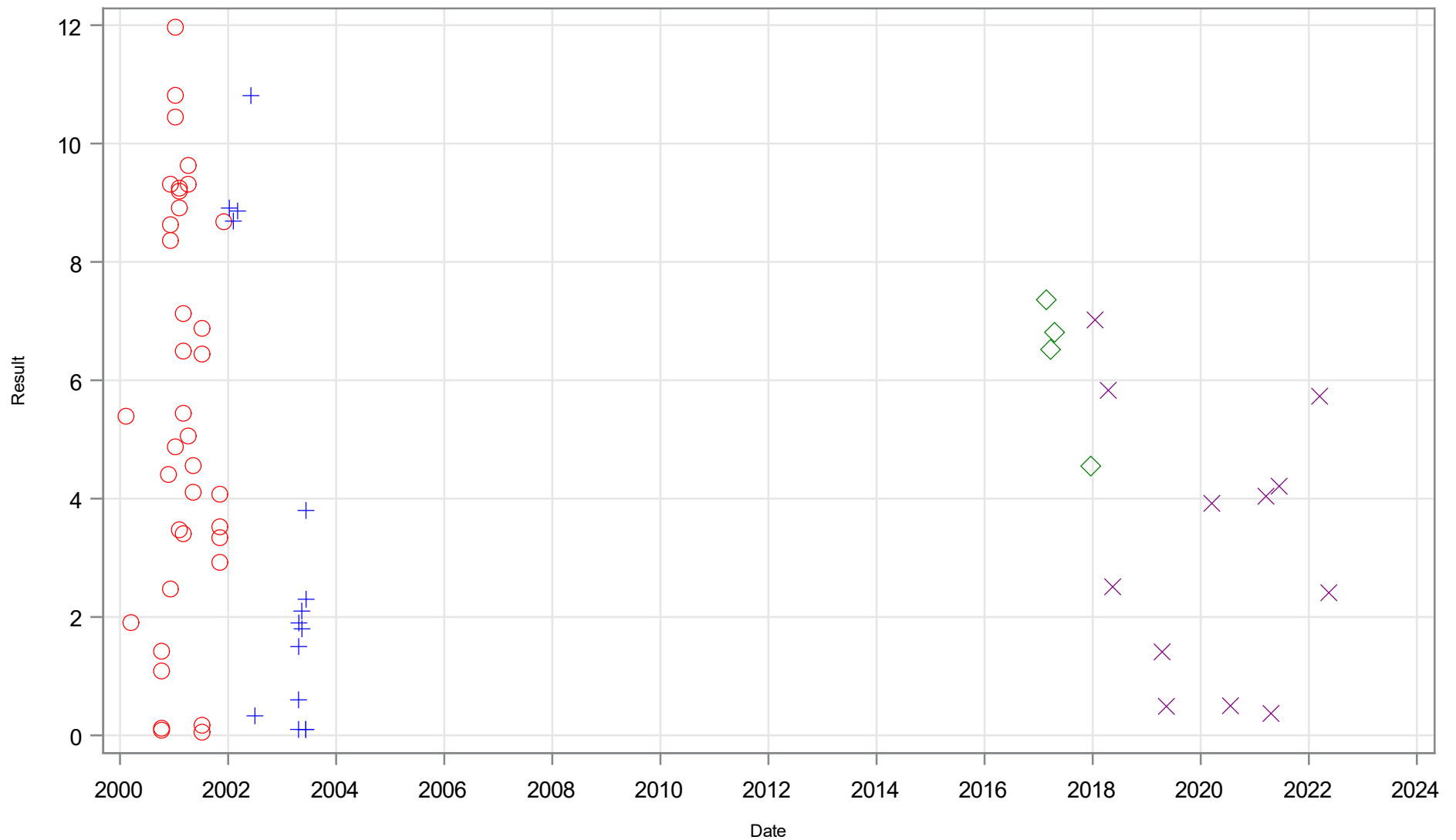


Period ■ P5

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

DRAFT

Timeseries of Hillsborough River Reservoir Bottom Dissolved Oxygen (mg/l)



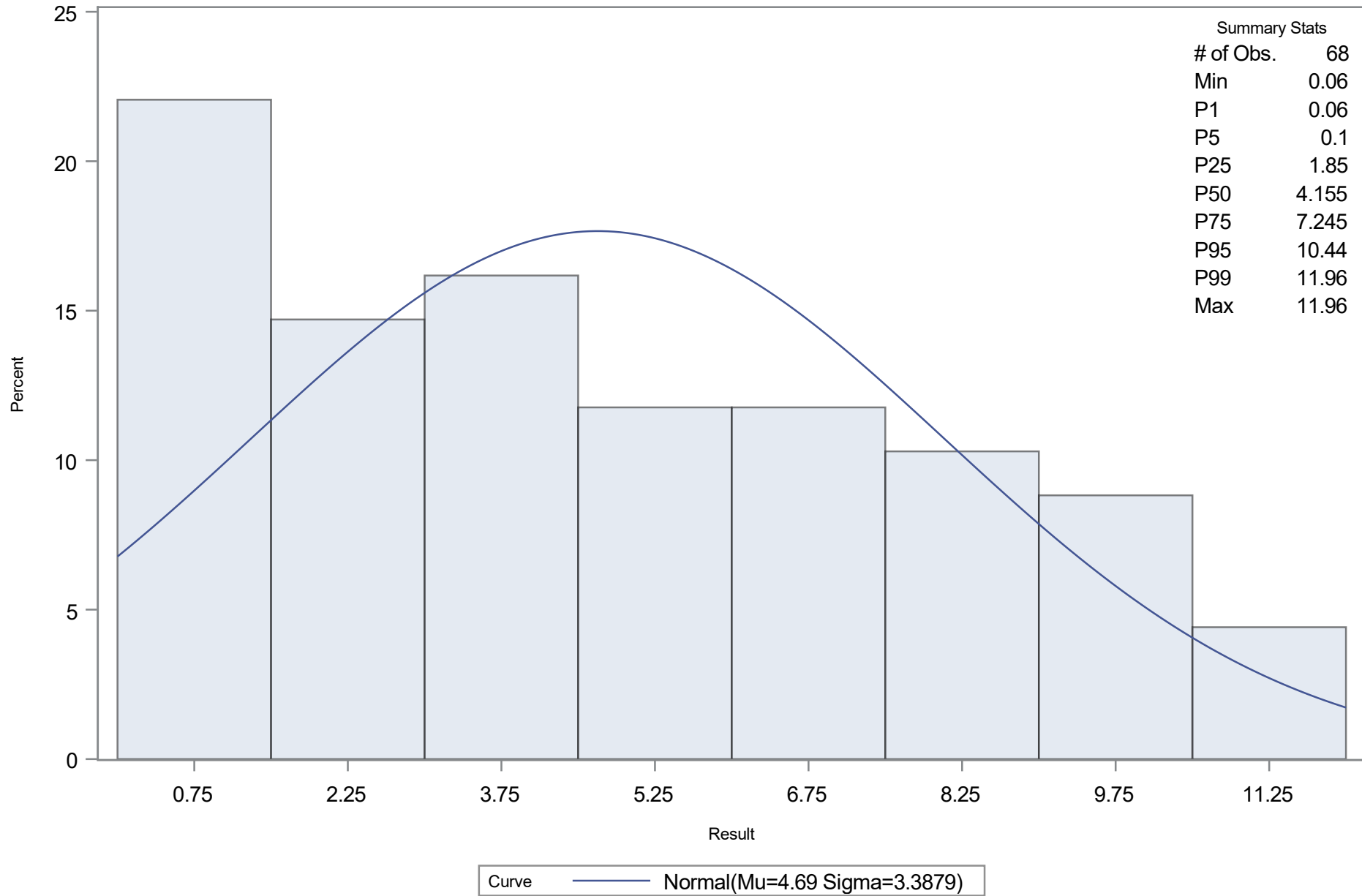
Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Bottom Dissolved Oxygen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.69
Std Dev	Sigma	3.387927

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09816397	Pr > D	0.100
Cramer-von Mises	W-Sq	0.14810755	Pr > W-Sq	0.024
Anderson-Darling	A-Sq	1.08836926	Pr > A-Sq	0.007

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.06000	-3.19150
5.0	0.10000	-0.88264
10.0	0.17000	0.34820
25.0	1.85000	2.40488
50.0	4.15500	4.69000
75.0	7.24500	6.97512
90.0	9.31000	9.03180
95.0	10.44000	10.26264
99.0	11.96000	12.57150

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

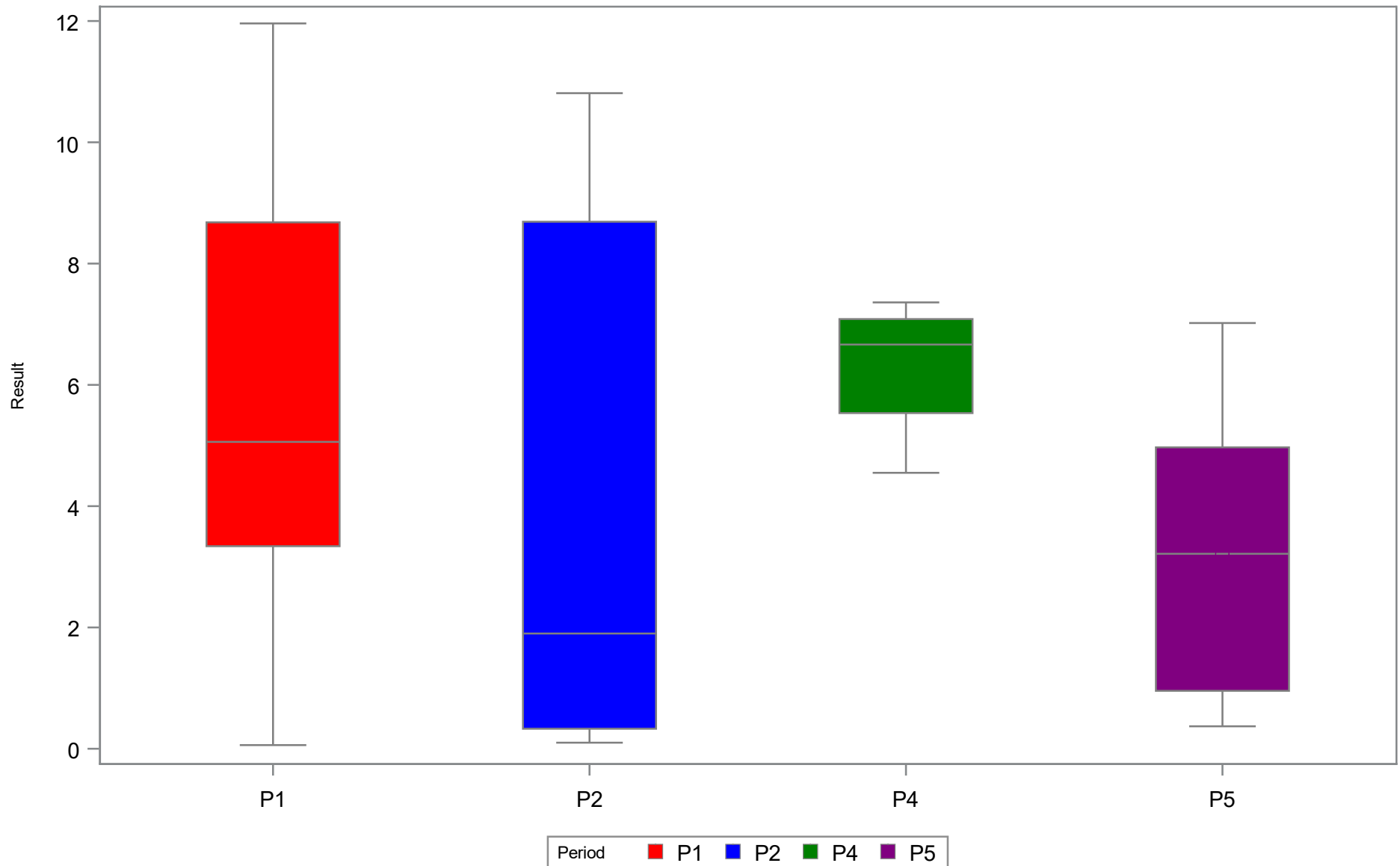
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Dissolved Oxygen (mg/l)

	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	4	4.55	5.54	6.31	6.67	7.09	7.36
P5	12	0.37	0.96	3.20	3.22	4.97	7.02

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

DRAFT

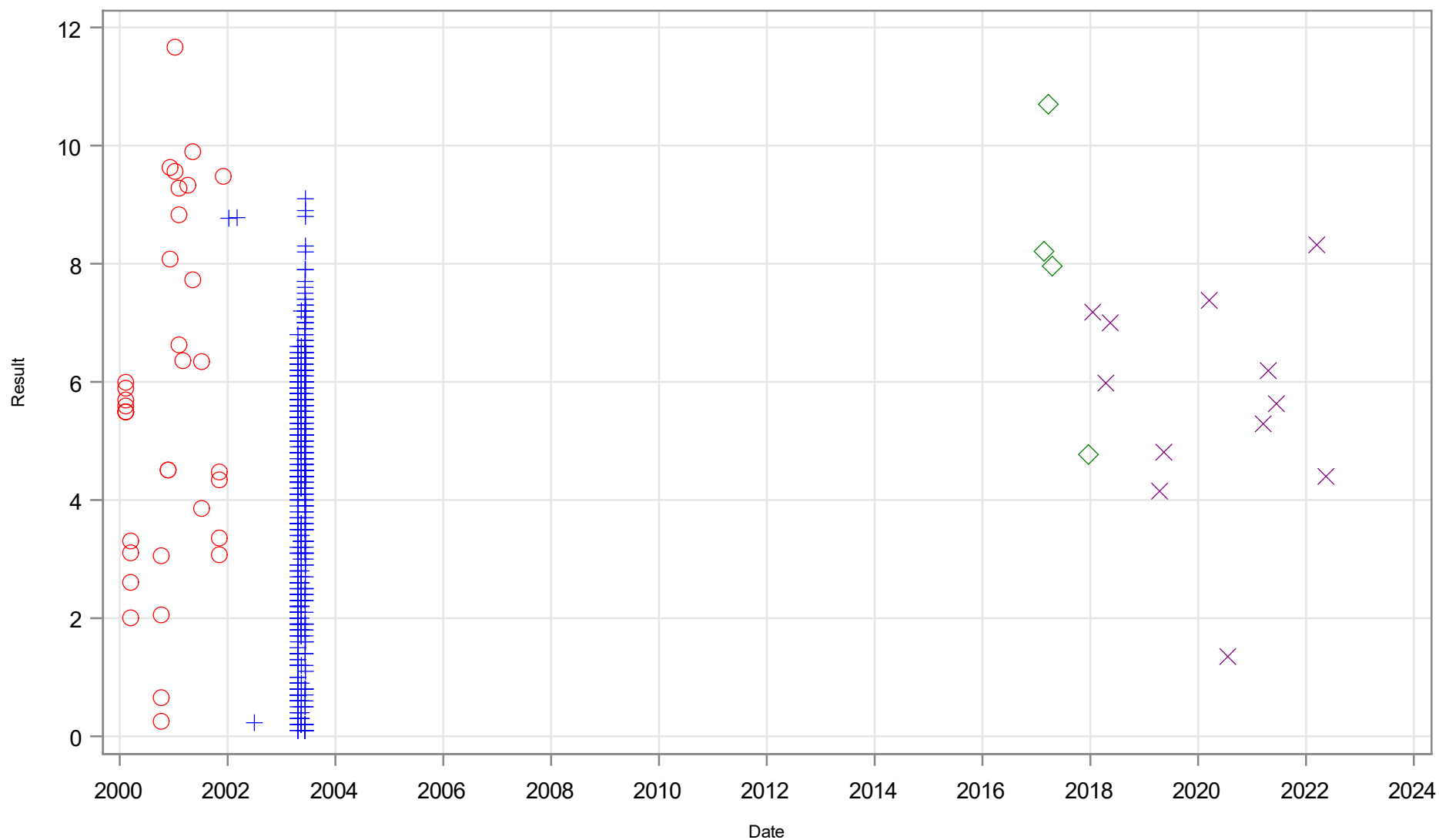
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Dissolved Oxygen (mg/l)



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

DRAFT

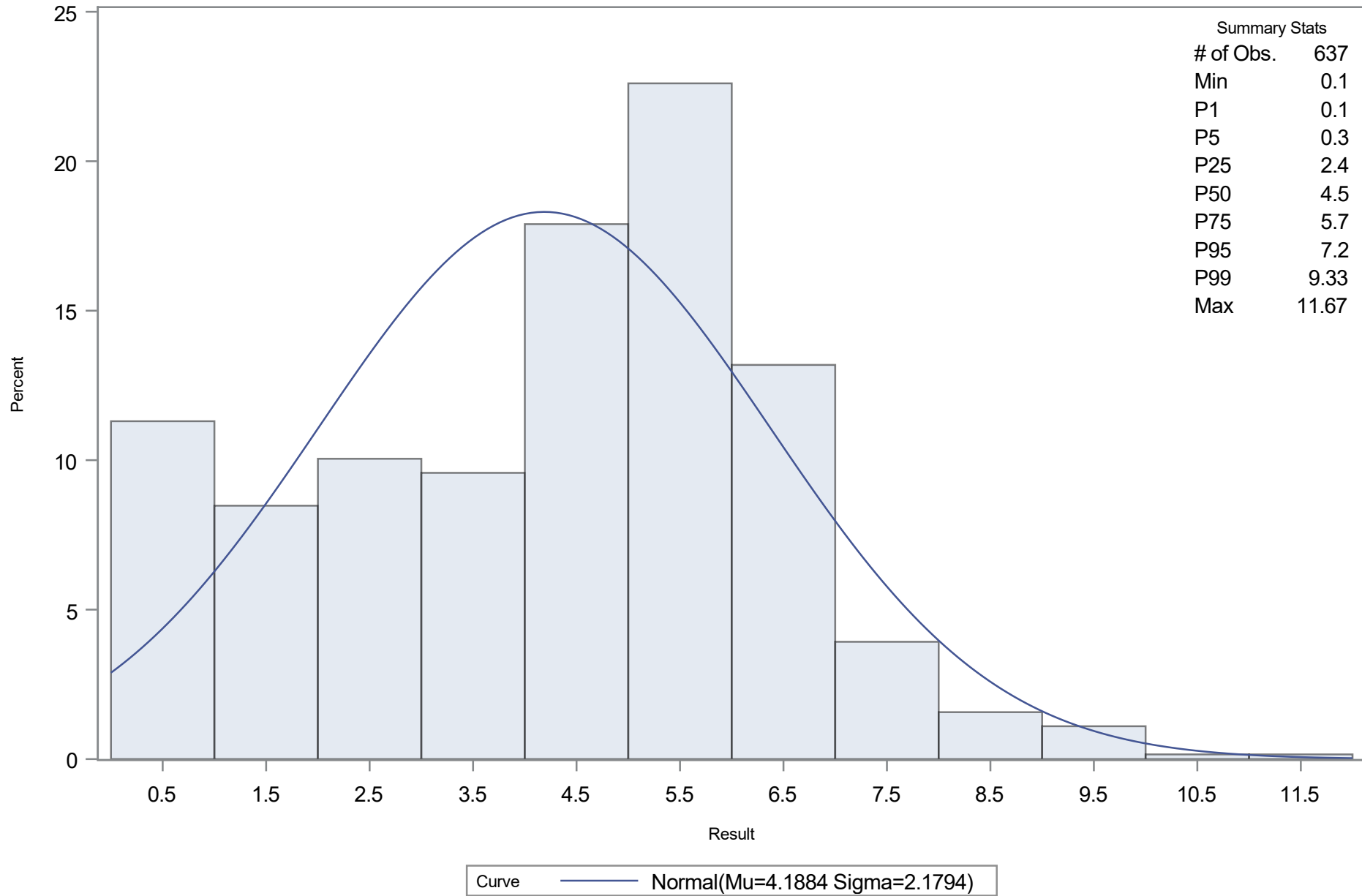
Timeseries of Hillsborough River Reservoir Midwater Dissolved Oxygen (mg/l)



Period ○ P1 + P2 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.188446
Std Dev	Sigma	2.179374

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08870033	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.20493135	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	7.05253163	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.10000	-0.88154
5.0	0.30000	0.60369
10.0	0.80000	1.39547
25.0	2.40000	2.71848
50.0	4.50000	4.18845
75.0	5.70000	5.65841
90.0	6.50000	6.98143
95.0	7.20000	7.77320
99.0	9.33000	9.25843

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

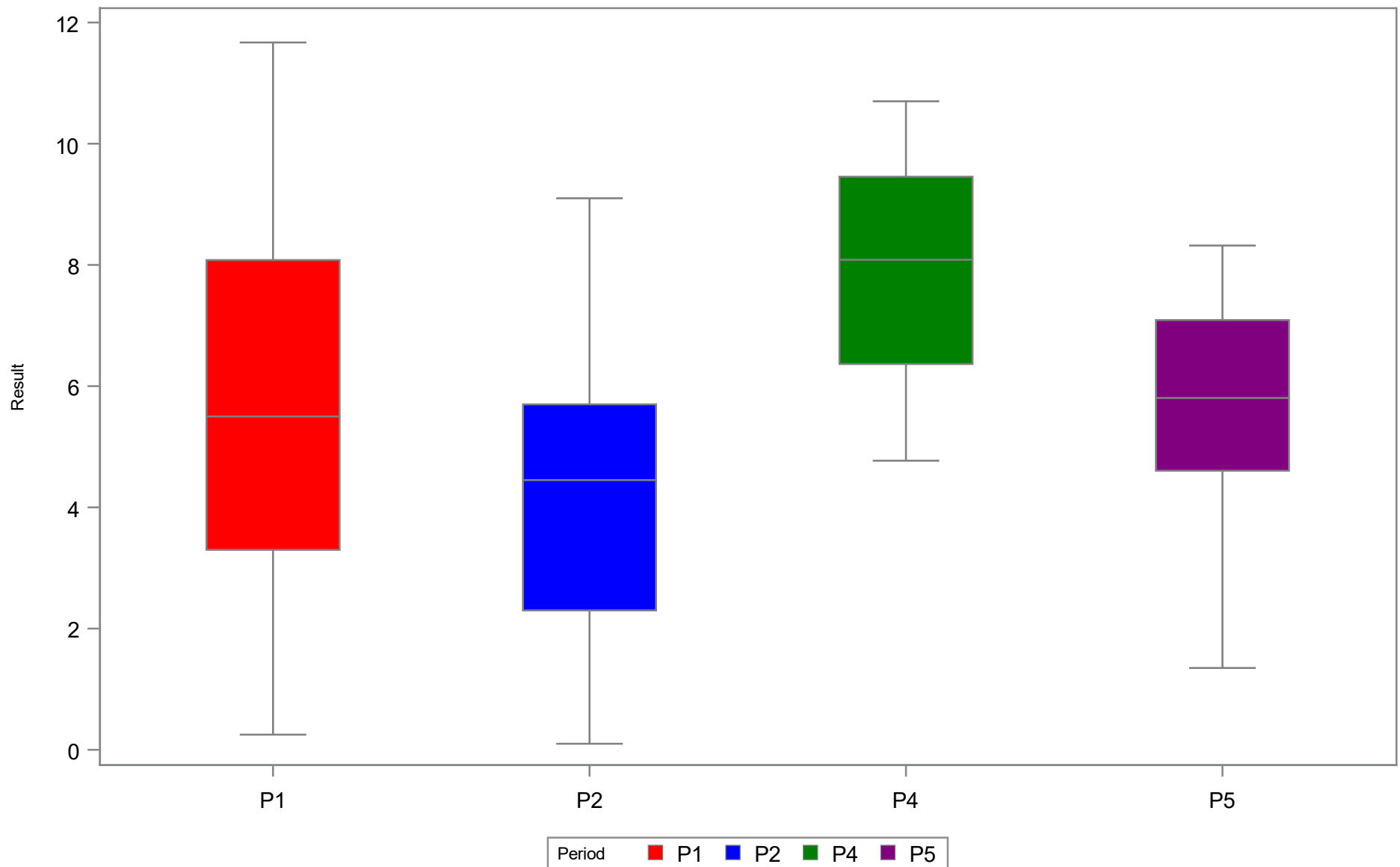
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Dissolved Oxygen (mg/l)

	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	4	4.77	6.37	7.91	8.09	9.46	10.70
P5	12	1.35	4.61	5.64	5.81	7.09	8.32

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

DRAFT

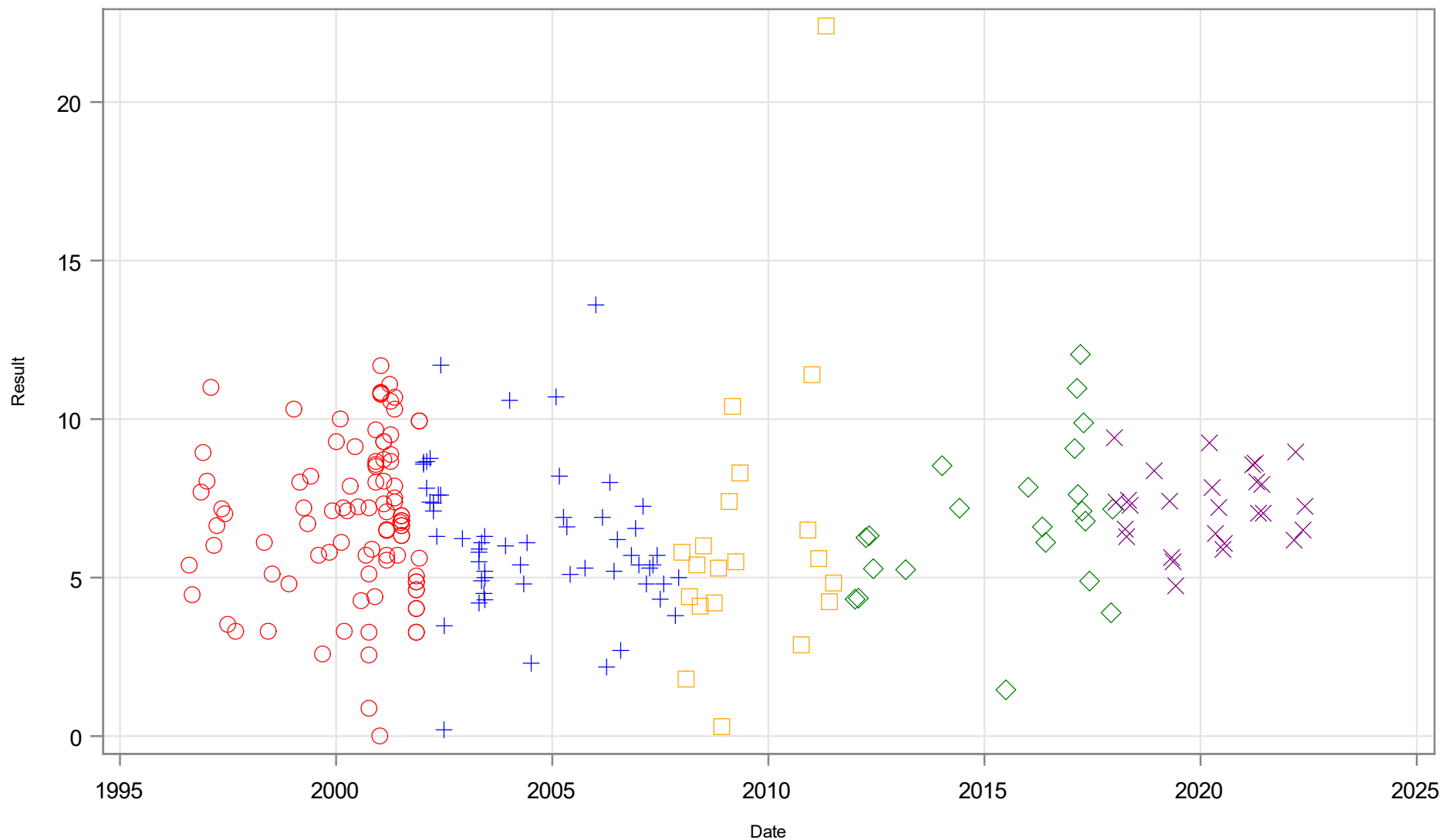
Boxplot by MFL Period for Hillsborough River Reservoir Midwater Dissolved Oxygen (mg/l)



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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Dissolved Oxygen (mg/l)



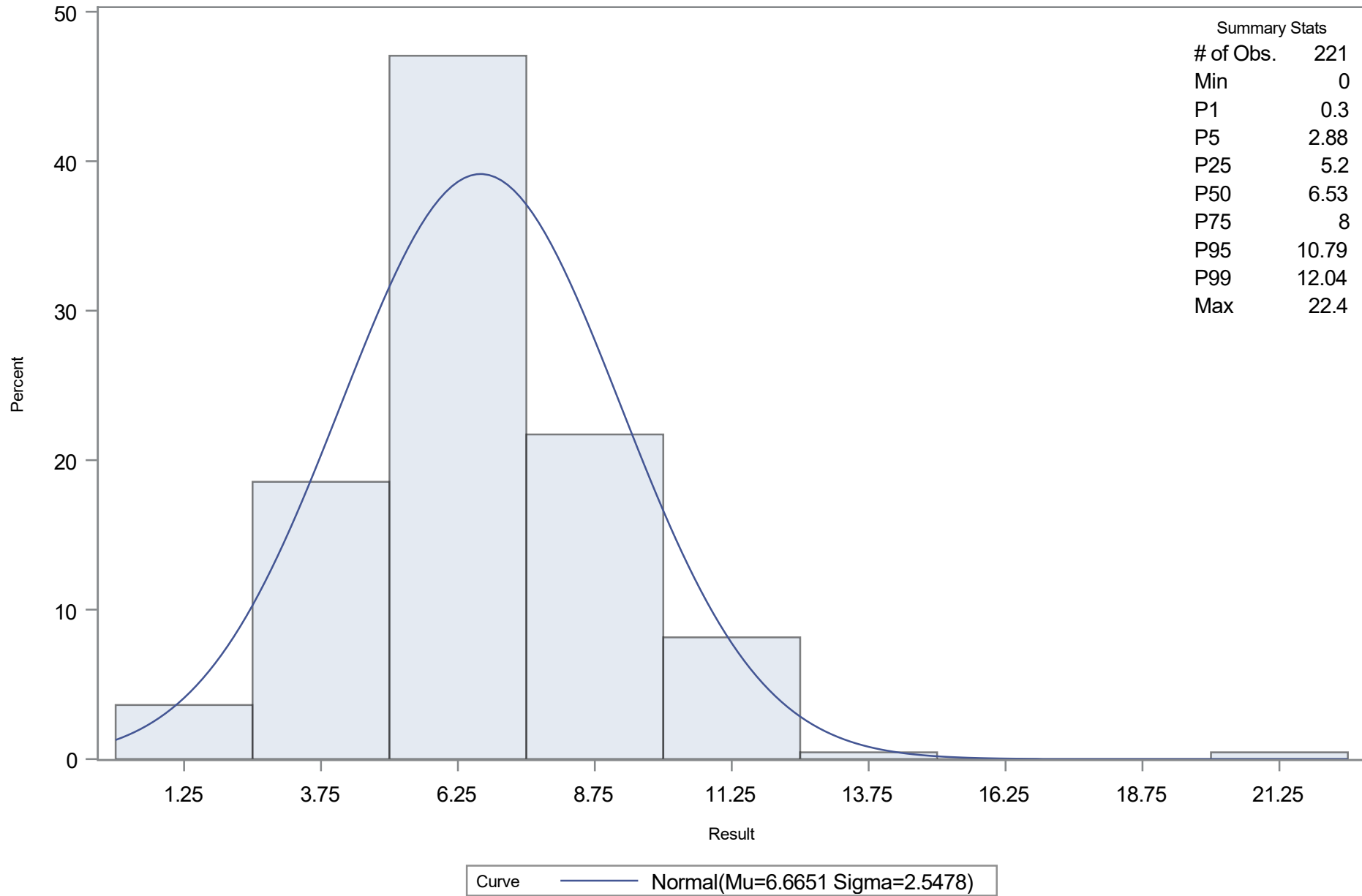
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Surface Dissolved Oxygen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.665068
Std Dev	Sigma	2.547775

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.07281054	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.22164255	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.33102110	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.30000	0.73806
5.0	2.88000	2.47435
10.0	4.03000	3.39996
25.0	5.20000	4.94662
50.0	6.53000	6.66507
75.0	8.00000	8.38352
90.0	9.88000	9.93017
95.0	10.79000	10.85578
99.0	12.04000	12.59208

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

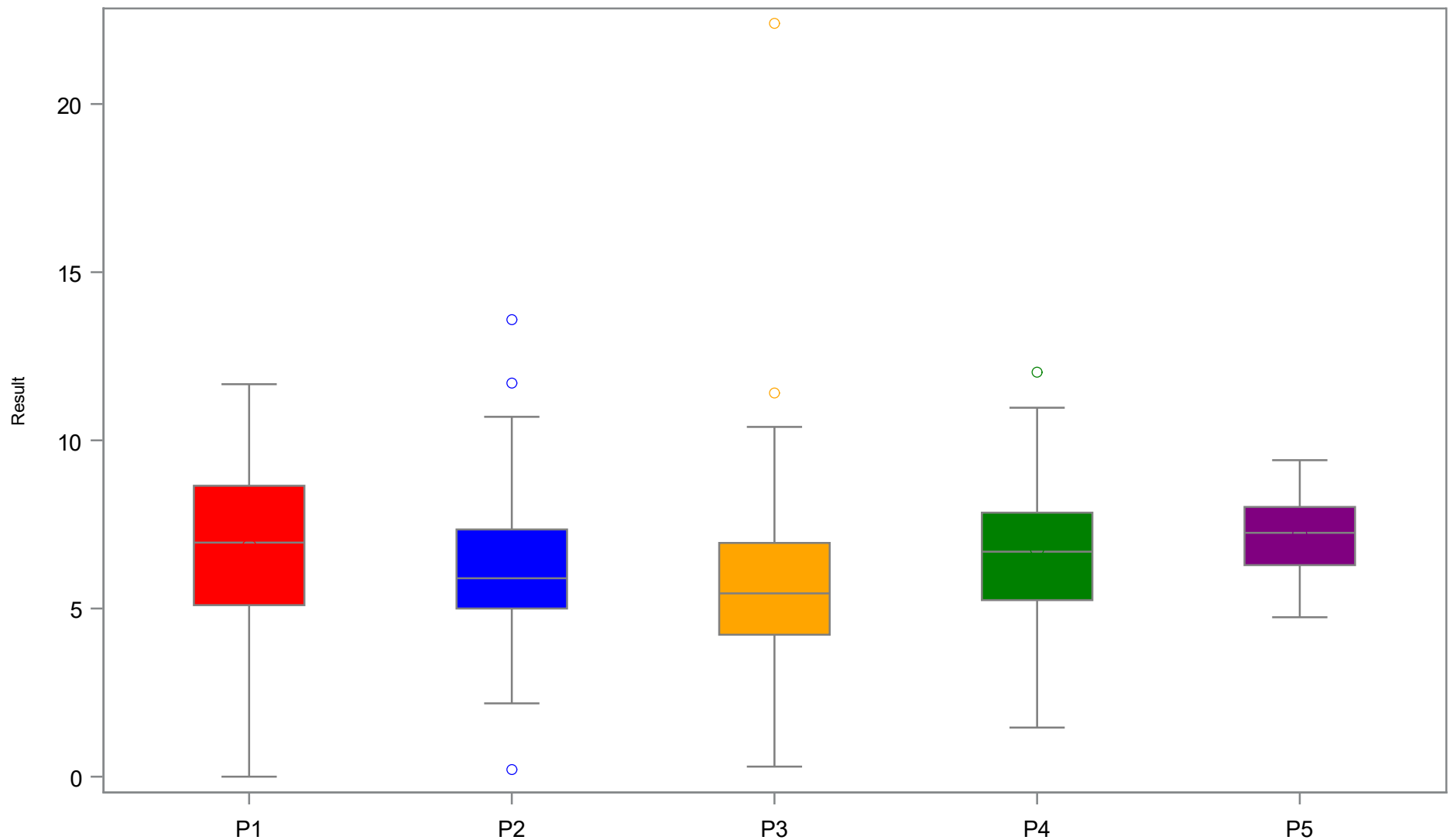
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Dissolved Oxygen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	95	0.00	5.10	6.85	6.96	8.65	11.67
P2	57	0.20	5.00	6.17	5.90	7.35	13.60
P3	20	0.30	4.22	6.34	5.45	6.95	22.40
P4	22	1.46	5.25	6.77	6.69	7.85	12.04
P5	27	4.74	6.29	7.21	7.25	8.02	9.41

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface Dissolved Oxygen (mg/l)



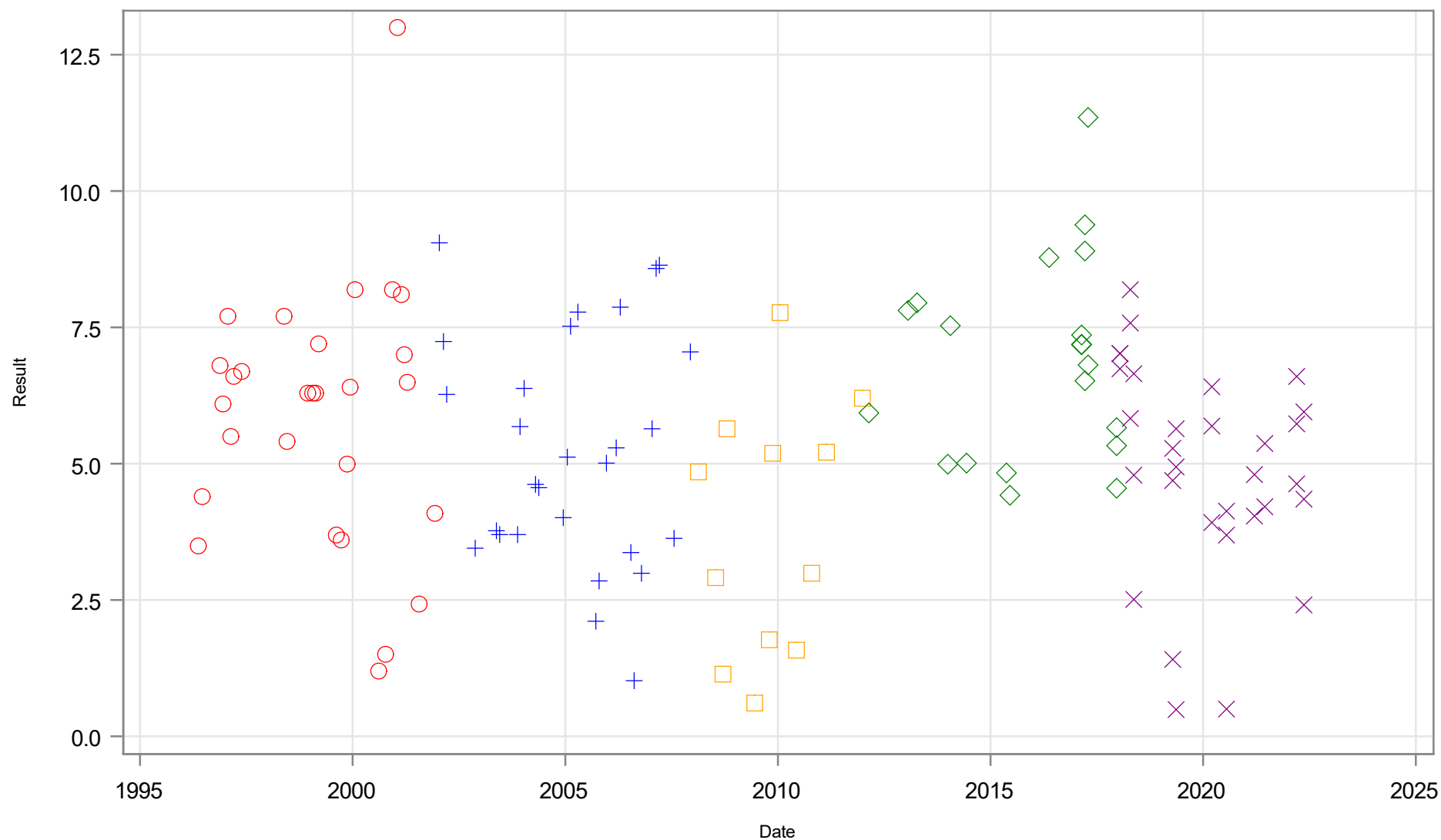
Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Timeseries of Upper Hillsborough River Bottom Dissolved Oxygen (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

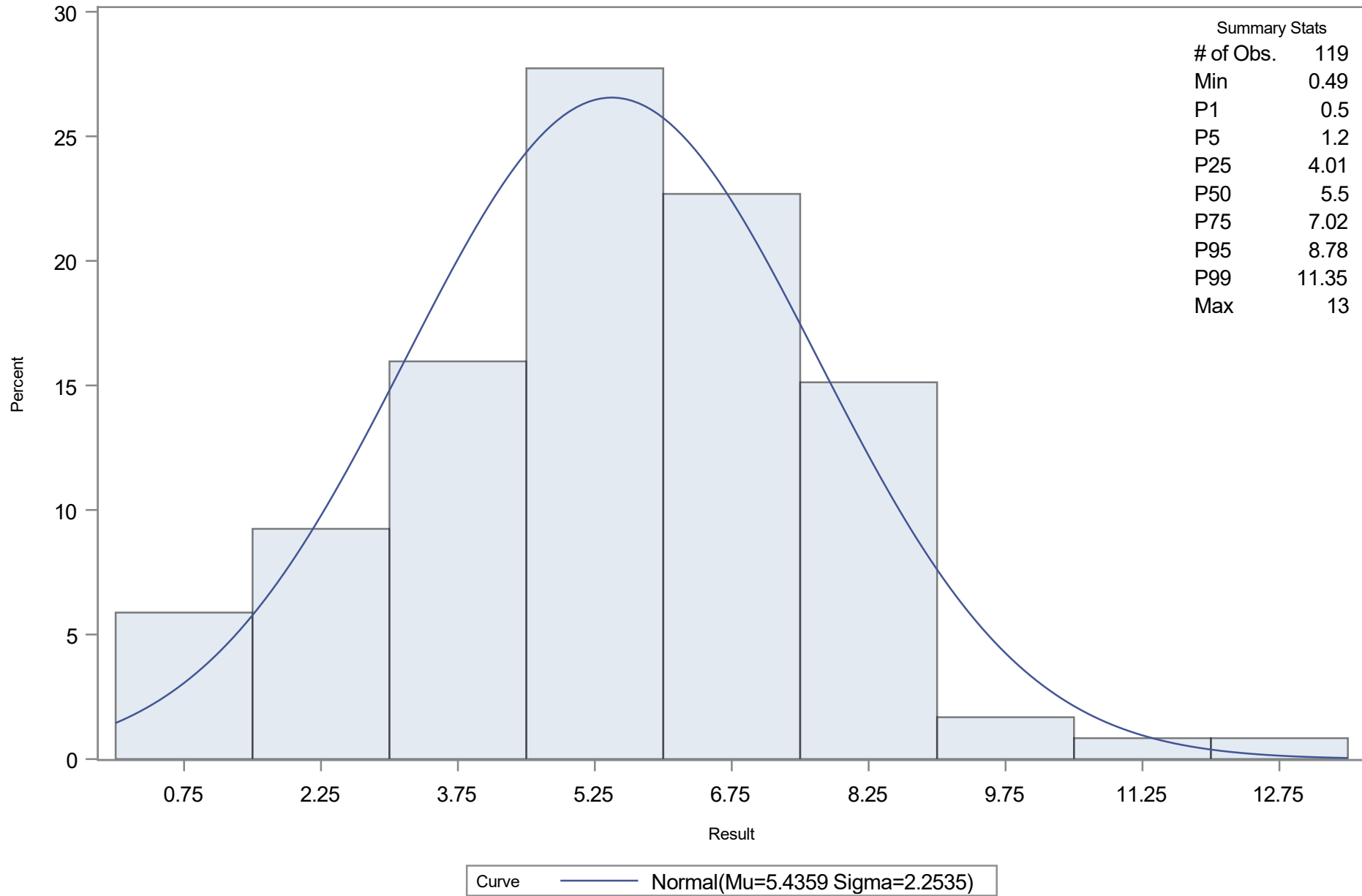
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Upper Hillsborough River Bottom Dissolved Oxygen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.435882
Std Dev	Sigma	2.253474

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.04275905	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.03521940	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.33813659	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.50000	0.19352
5.0	1.20000	1.72925
10.0	2.41000	2.54794
25.0	4.01000	3.91594
50.0	5.50000	5.43588
75.0	7.02000	6.95583
90.0	8.10000	8.32383
95.0	8.78000	9.14252
99.0	11.35000	10.67825

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

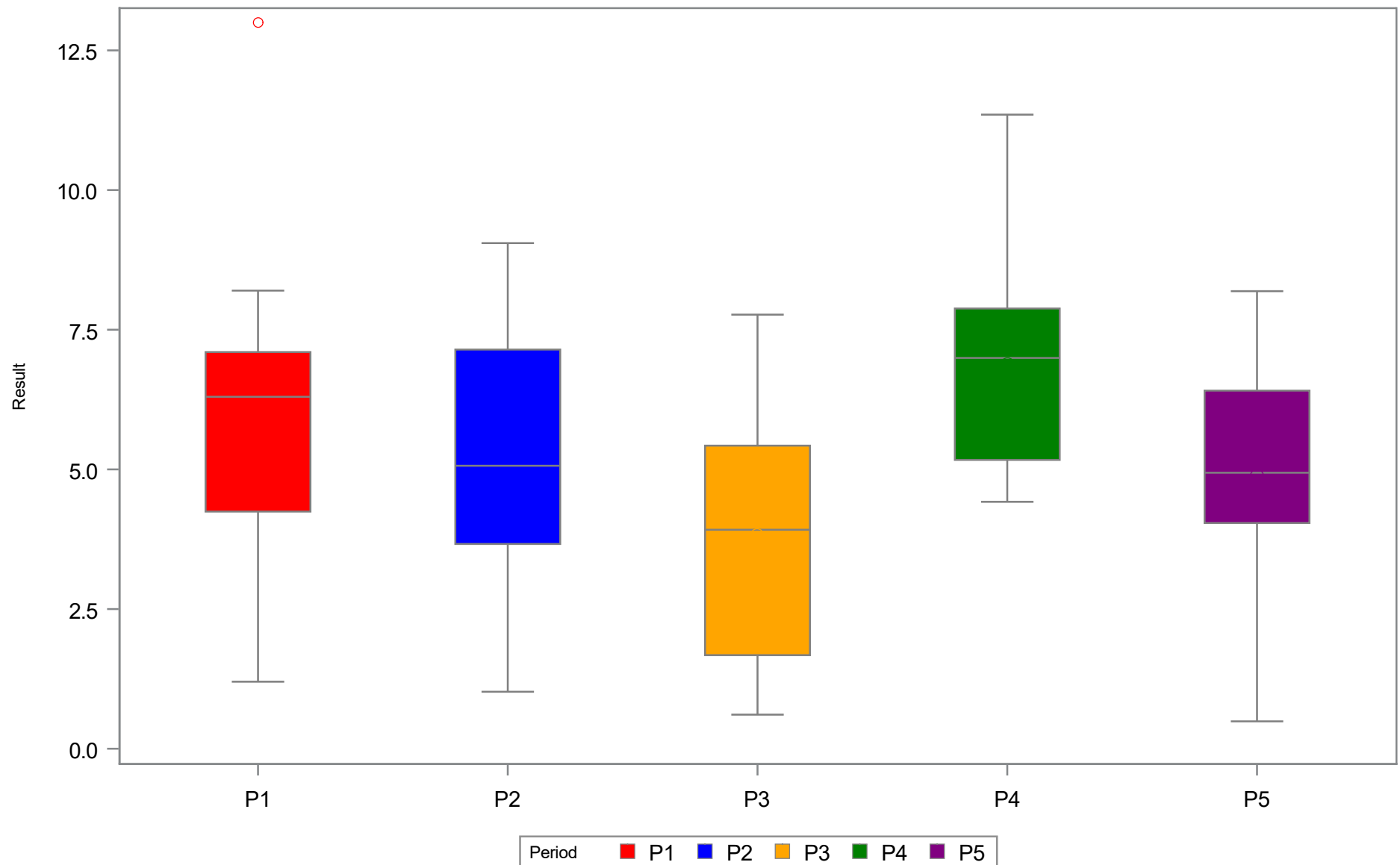
DRAFT Distributional Statistics by Period for Upper Hillsborough River Bottom Dissolved Oxygen (mg/l)

	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	20	4.42	5.17	6.87	7.00	7.88	11.35
P5	31	0.49	4.04	4.88	4.94	6.41	8.19

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Bottom Dissolved Oxygen (mg/l)



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

DRAFT

Timeseries of Upper Hillsborough River Midwater Dissolved Oxygen (mg/l)



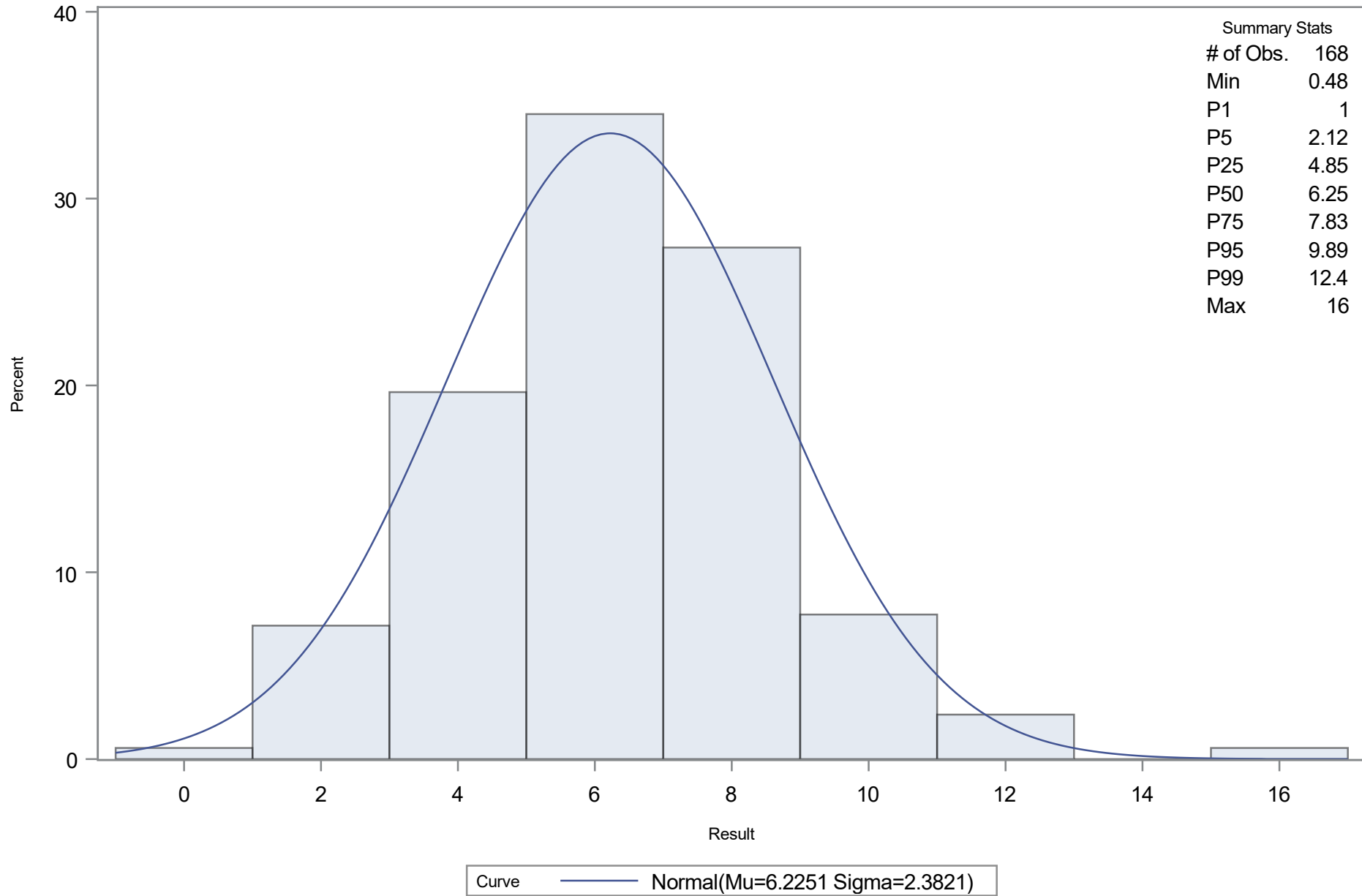
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Midwater Dissolved Oxygen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.225119
Std Dev	Sigma	2.382103

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.04077596	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.04585285	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.35995088	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.68352
5.0	2.12000	2.30691
10.0	3.20000	3.17233
25.0	4.85000	4.61841
50.0	6.25000	6.22512
75.0	7.83000	7.83182
90.0	9.07000	9.27791
95.0	9.89000	10.14333
99.0	12.40000	11.76672

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

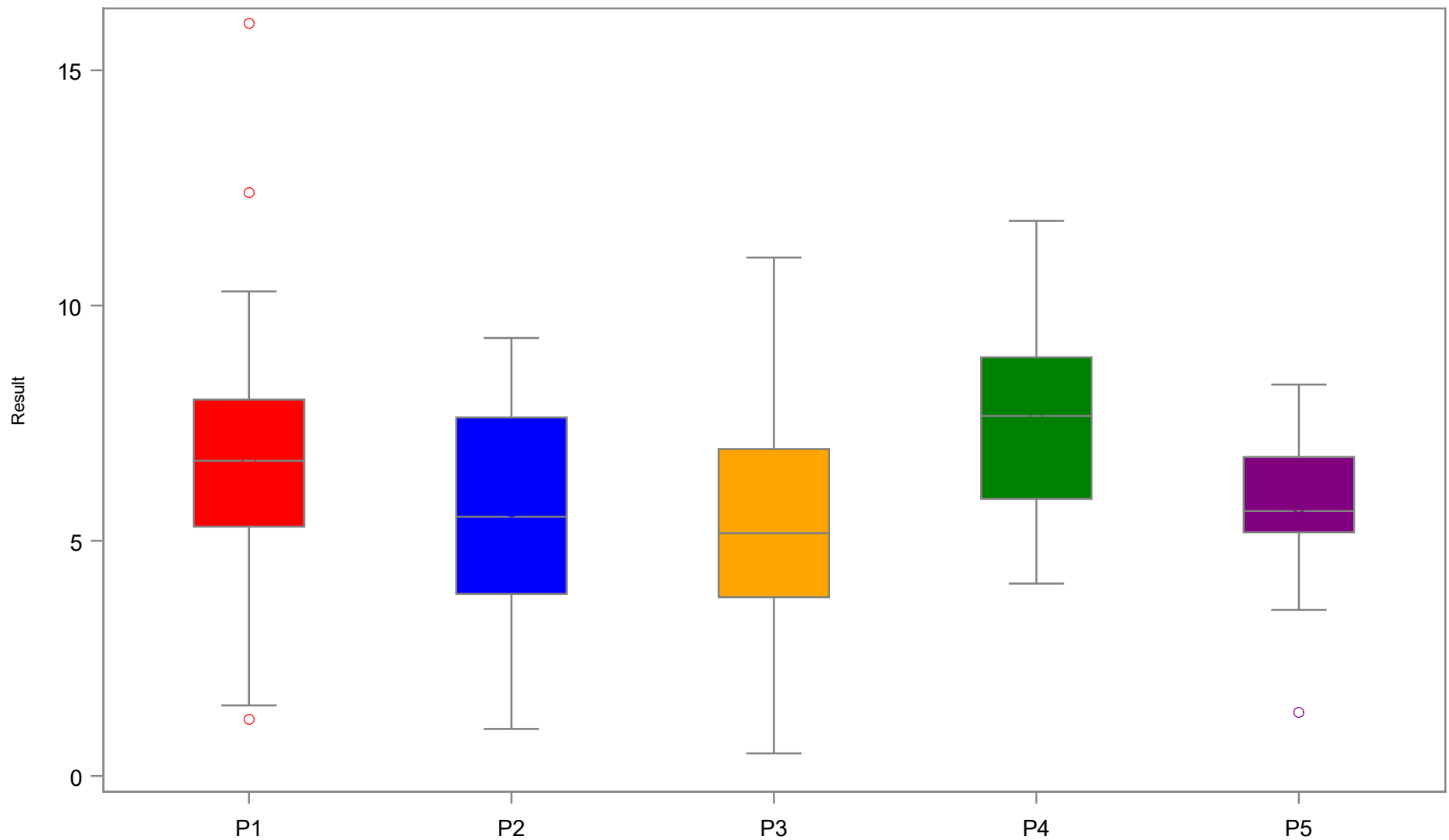
DRAFT Distributional Statistics by Period for Upper Hillsborough River Midwater Dissolved Oxygen (mg/l)

	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	28	4.09	5.89	7.58	7.66	8.90	11.80
P5	33	1.35	5.18	5.76	5.63	6.78	8.32

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Midwater Dissolved Oxygen (mg/l)



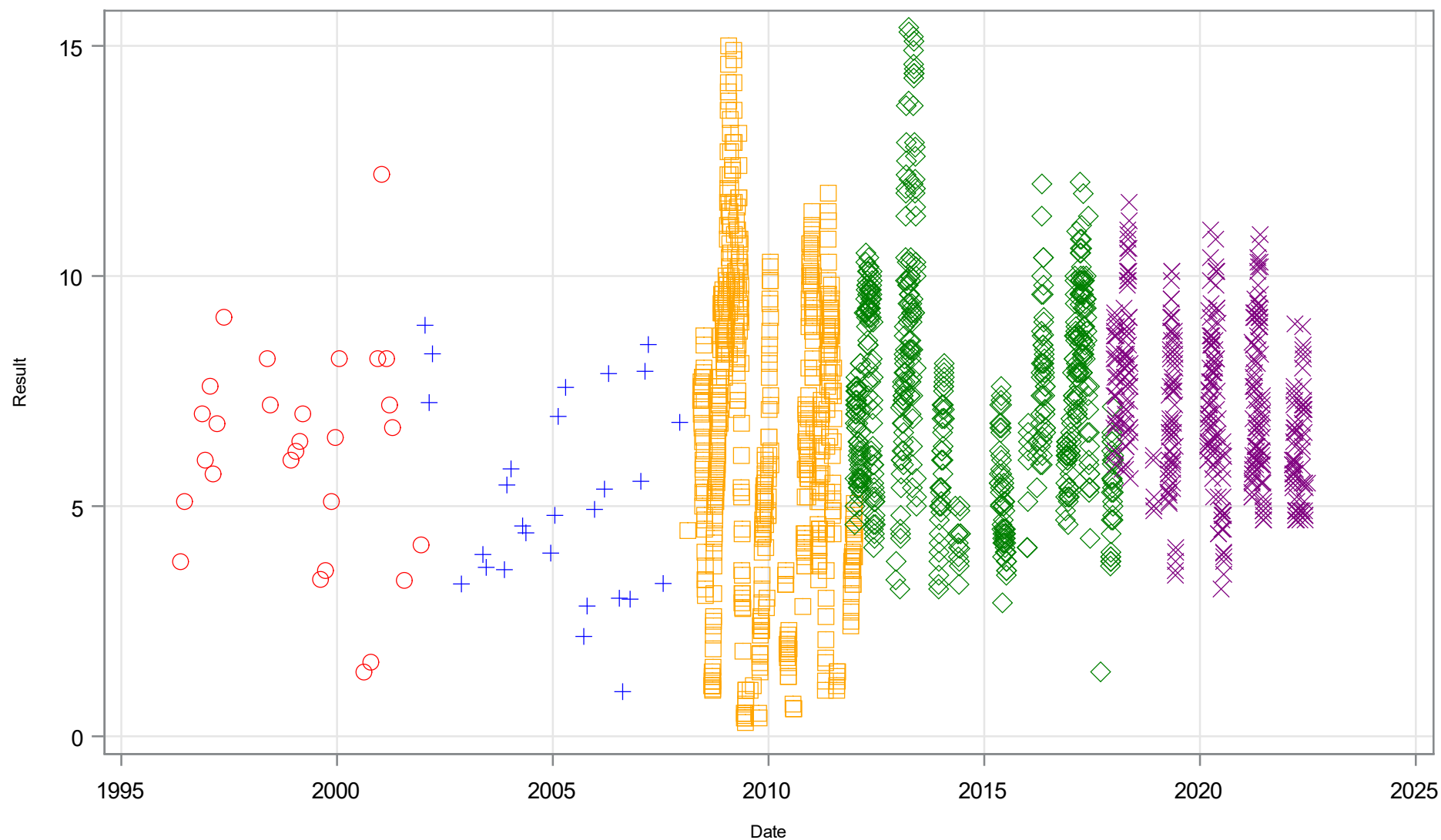
Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Timeseries of Upper Hillsborough River Surface Dissolved Oxygen (mg/l)



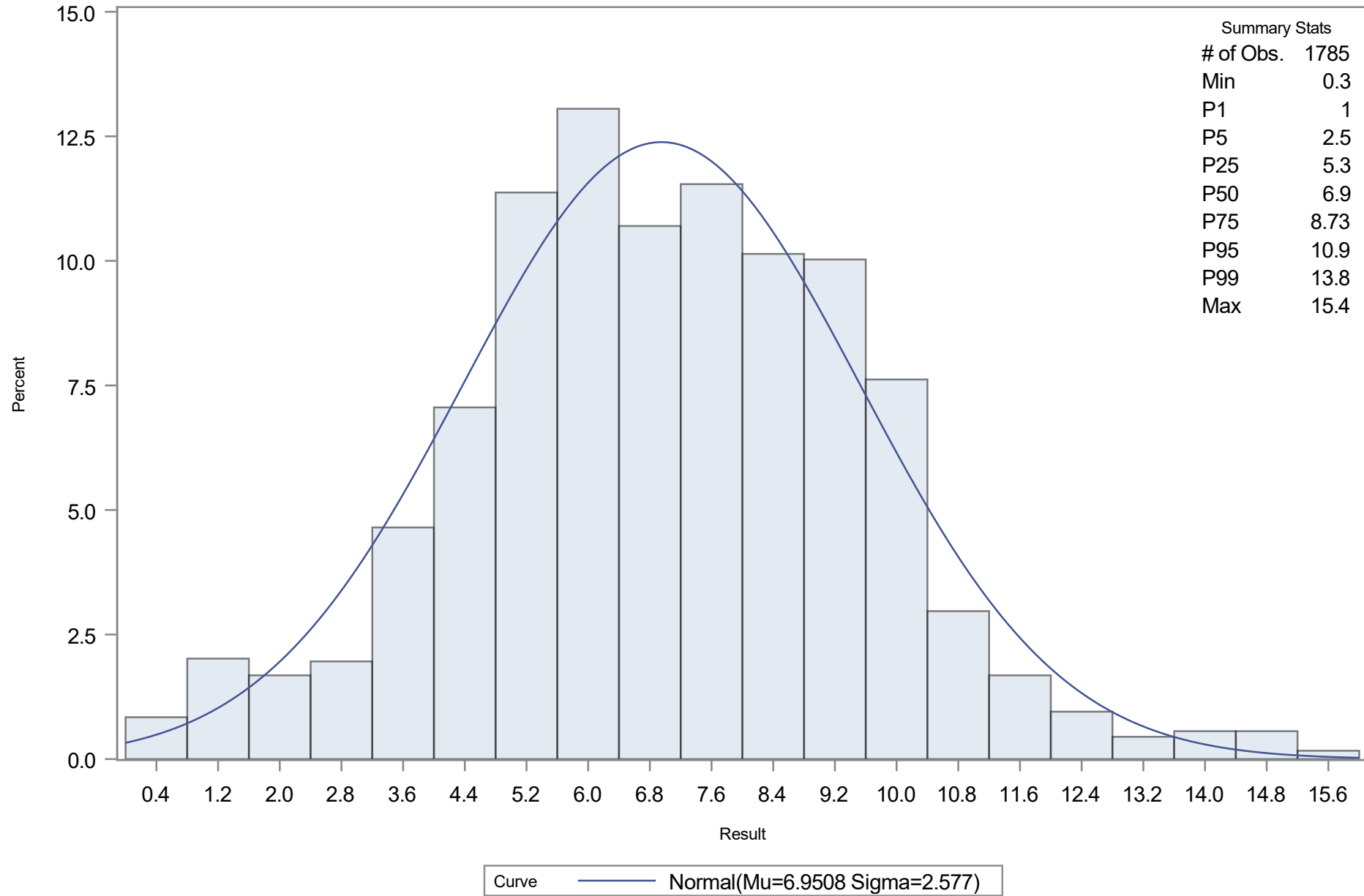
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Dissolved Oxygen (mg/l)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface Dissolved Oxygen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.950847
Std Dev	Sigma	2.576982

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.02546689	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.18835227	Pr > W-Sq	0.008
Anderson-Darling	A-Sq	1.75102869	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.95589
5.0	2.50000	2.71209
10.0	3.80000	3.64831
25.0	5.30000	5.21270
50.0	6.90000	6.95085
75.0	8.73000	8.68900
90.0	10.00000	10.25338
95.0	10.90000	11.18961
99.0	13.80000	12.94581

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

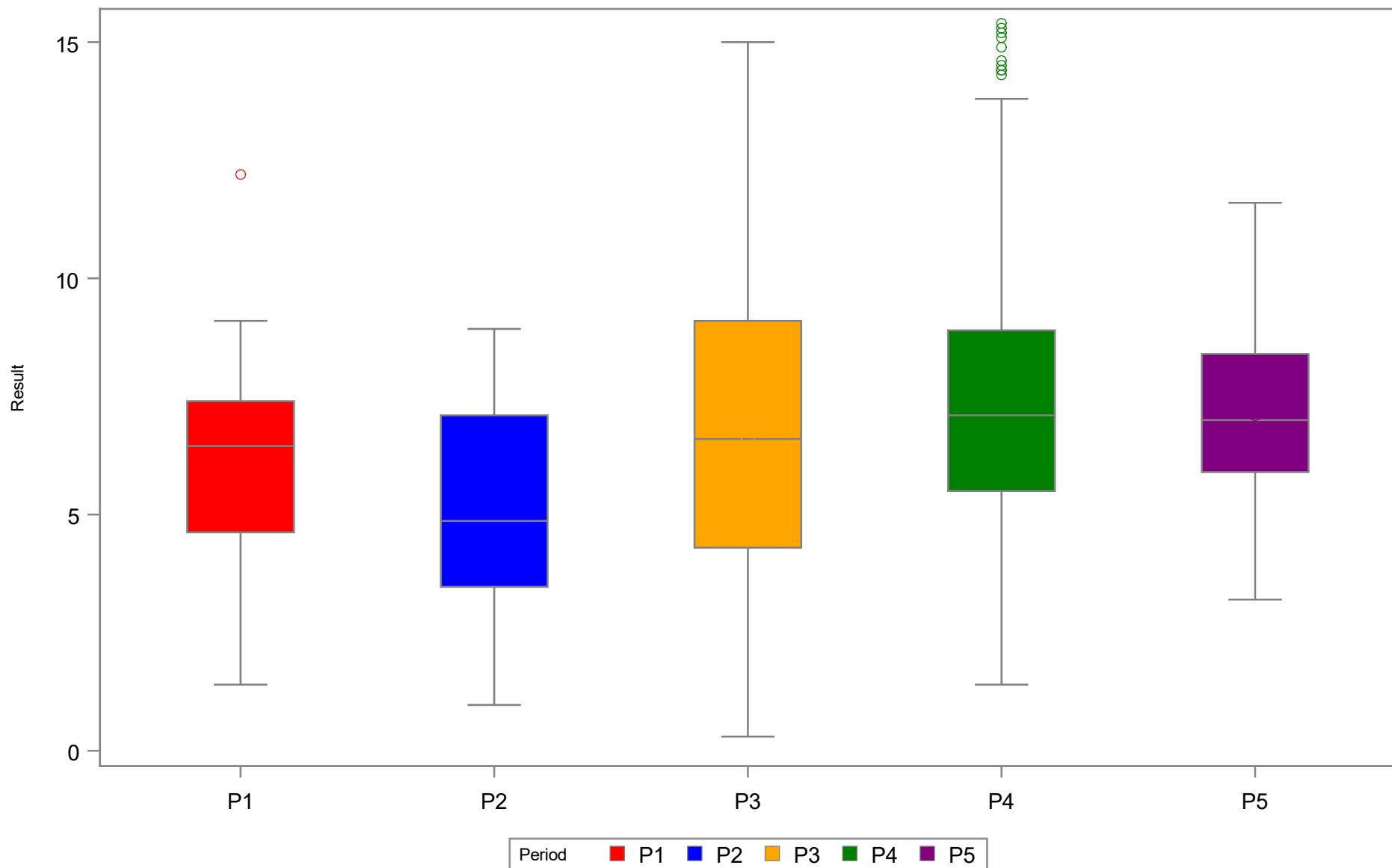
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Dissolved Oxygen (mg/l)

	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	653	0.30	4.30	6.57	6.60	9.10	15.00
P4	621	1.40	5.50	7.33	7.10	8.90	15.40
P5	455	3.20	5.90	7.14	7.00	8.40	11.60

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

DRAFT

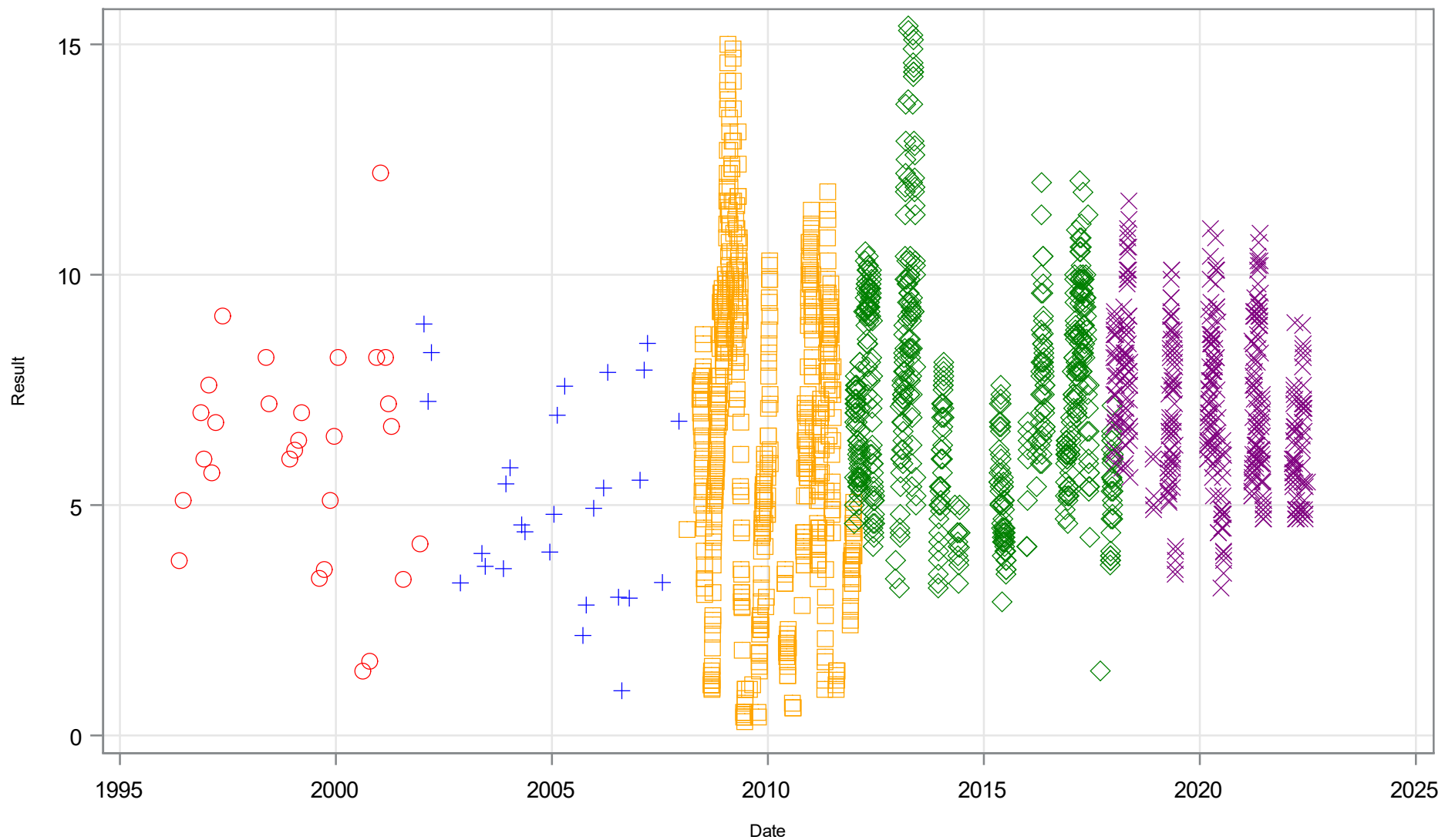
Boxplot by MFL Period for Upper Hillsborough River Surface Dissolved Oxygen (mg/l)



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

DRAFT

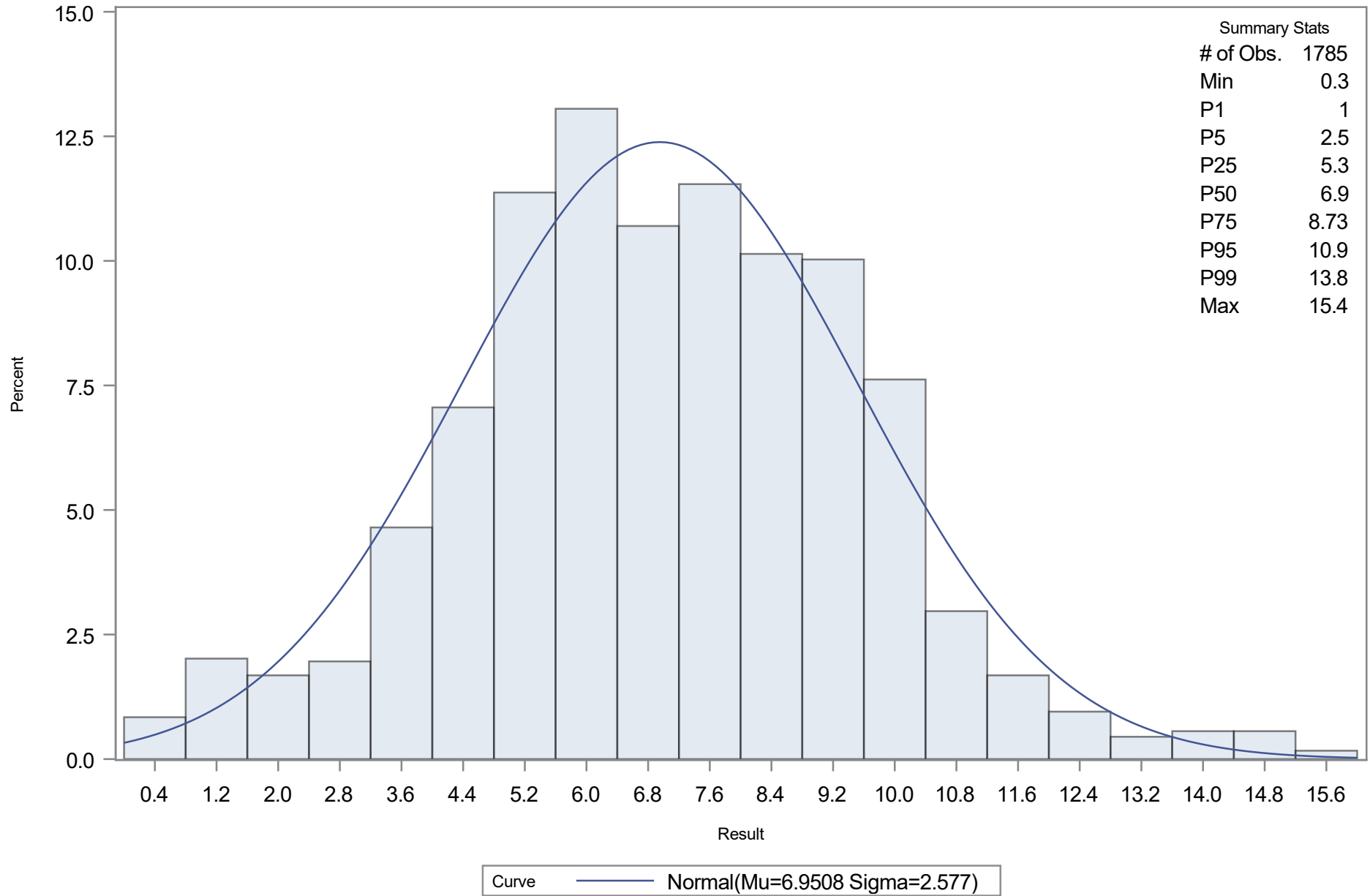
Timeseries of Upper Hillsborough River Surface Dissolved Oxygen Daily Average (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

DRAFT Univariate Histogram of Upper Hillsborough River Surface Dissolved Oxygen Daily Average (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.950847
Std Dev	Sigma	2.576982

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.02546689	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.18835227	Pr > W-Sq	0.008
Anderson-Darling	A-Sq	1.75102869	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.95589
5.0	2.50000	2.71209
10.0	3.80000	3.64831
25.0	5.30000	5.21270
50.0	6.90000	6.95085
75.0	8.73000	8.68900
90.0	10.00000	10.25338
95.0	10.90000	11.18961
99.0	13.80000	12.94581

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

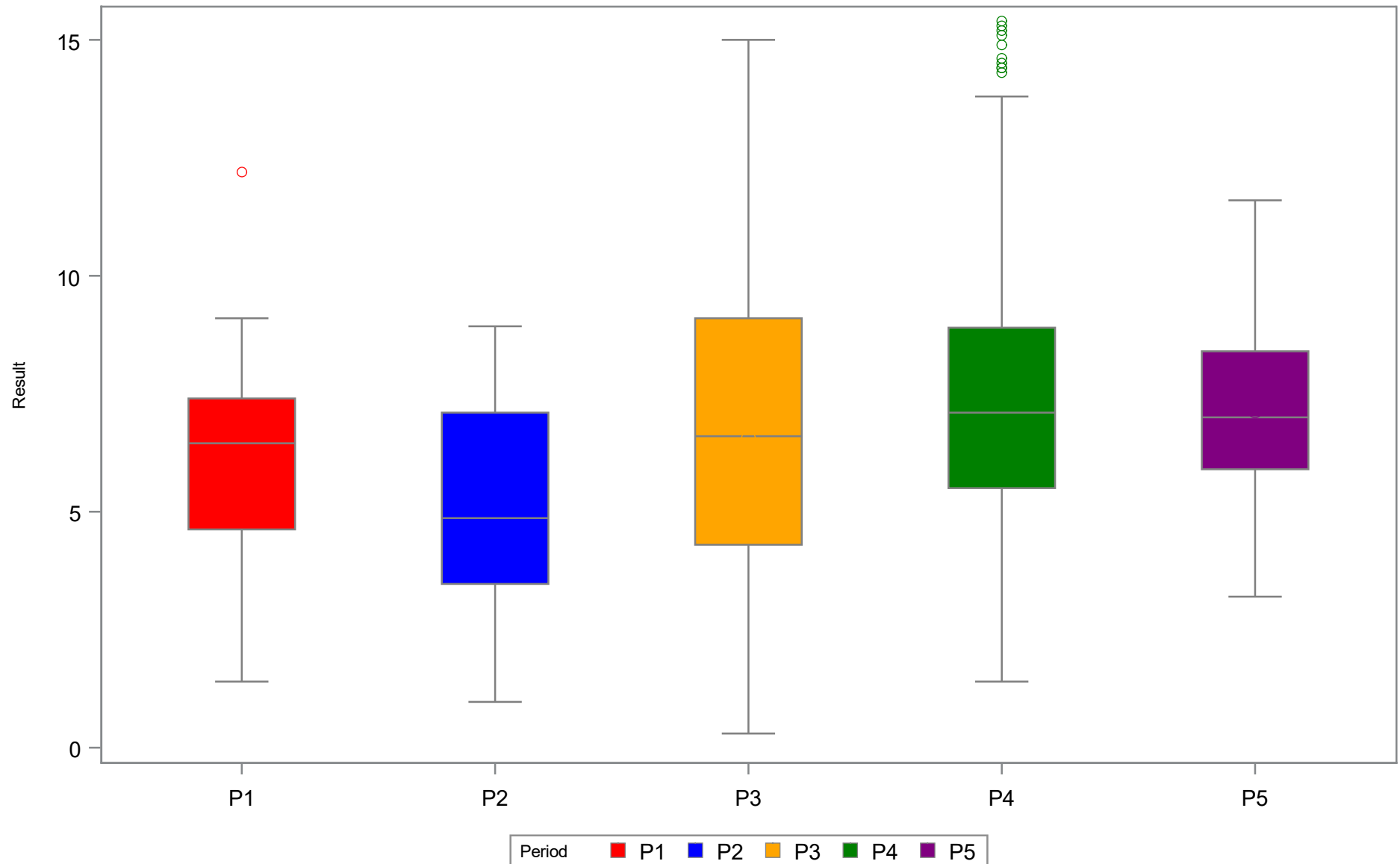
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Dissolved Oxygen Daily Average (mg/l)

	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	653	0.30	4.30	6.57	6.60	9.10	15.00
P4	621	1.40	5.50	7.33	7.10	8.90	15.40
P5	455	3.20	5.90	7.14	7.00	8.40	11.60

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

DRAFT

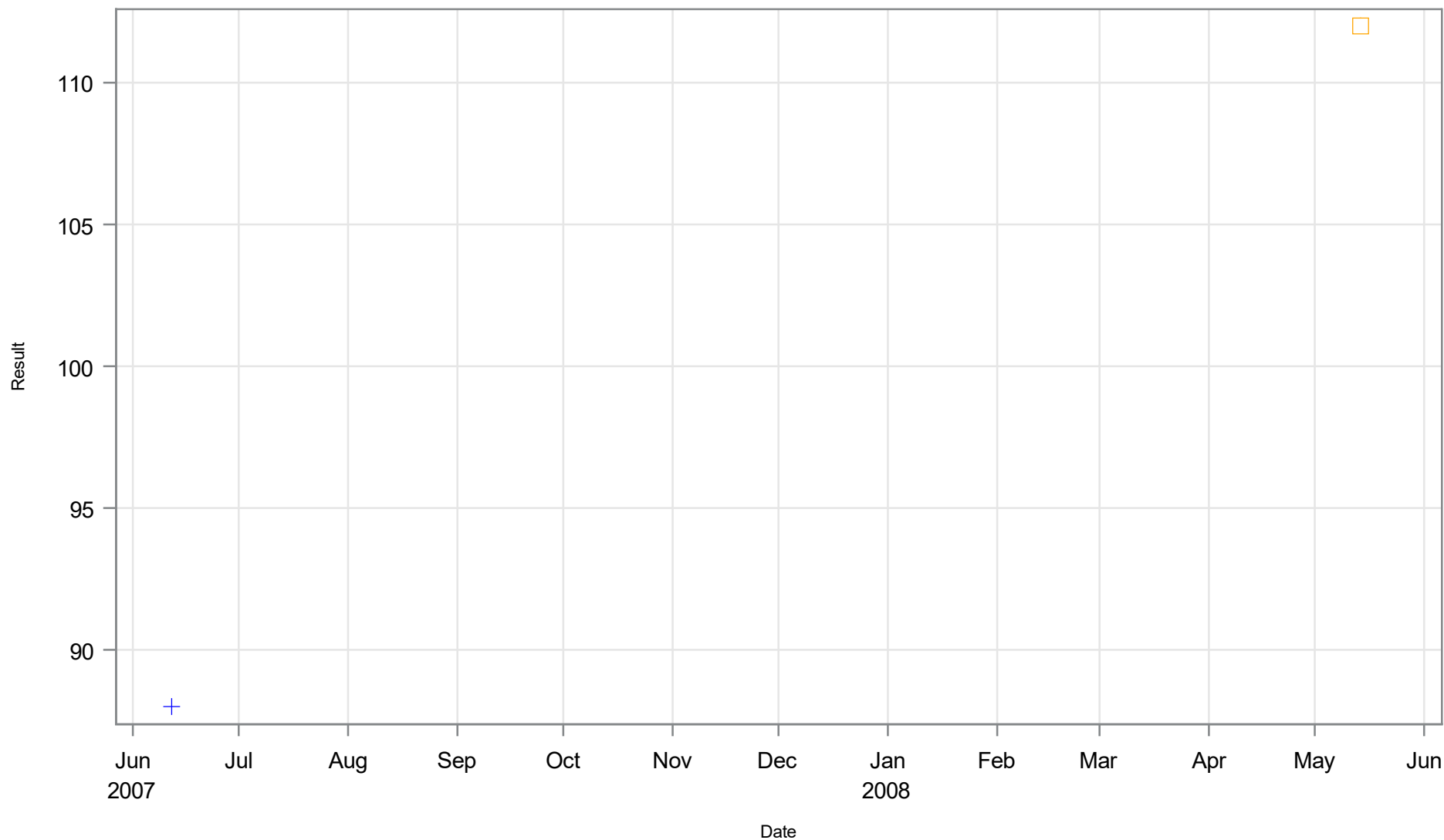
Boxplot by MFL Period for Upper Hillsborough River Surface Dissolved Oxygen Daily Average (mg/l)



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

DRAFT

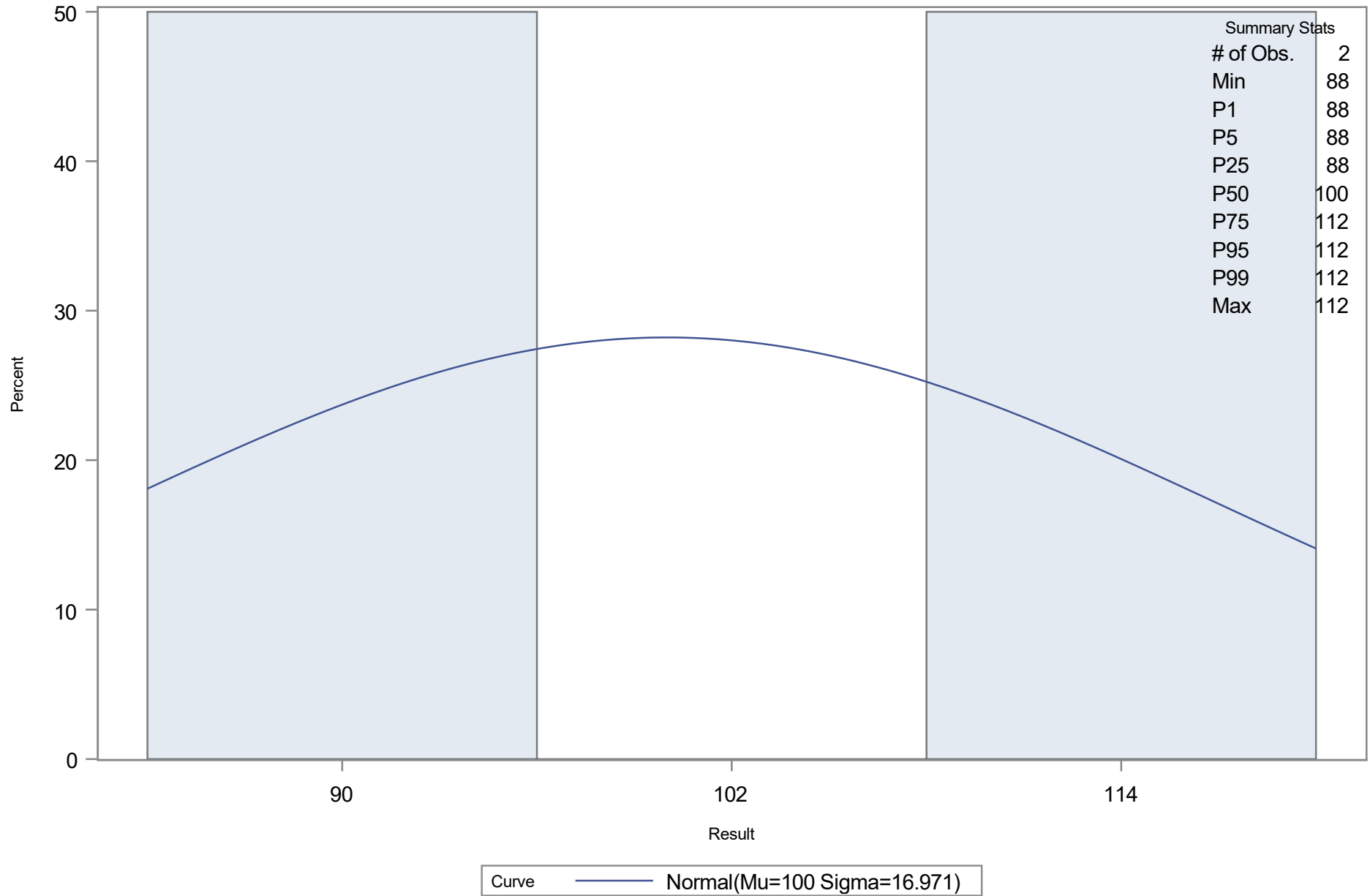
Timeseries of Sulphur Springs Run Bottom Dissolved Oxygen Percent Saturation (%)



Period + P2 □ P3

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

Distribution of Result



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

DRAFT Univariate Histogram of Sulphur Springs Run Bottom Dissolved Oxygen Percent Saturation (%)**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		
Percent	Quantile	
	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**

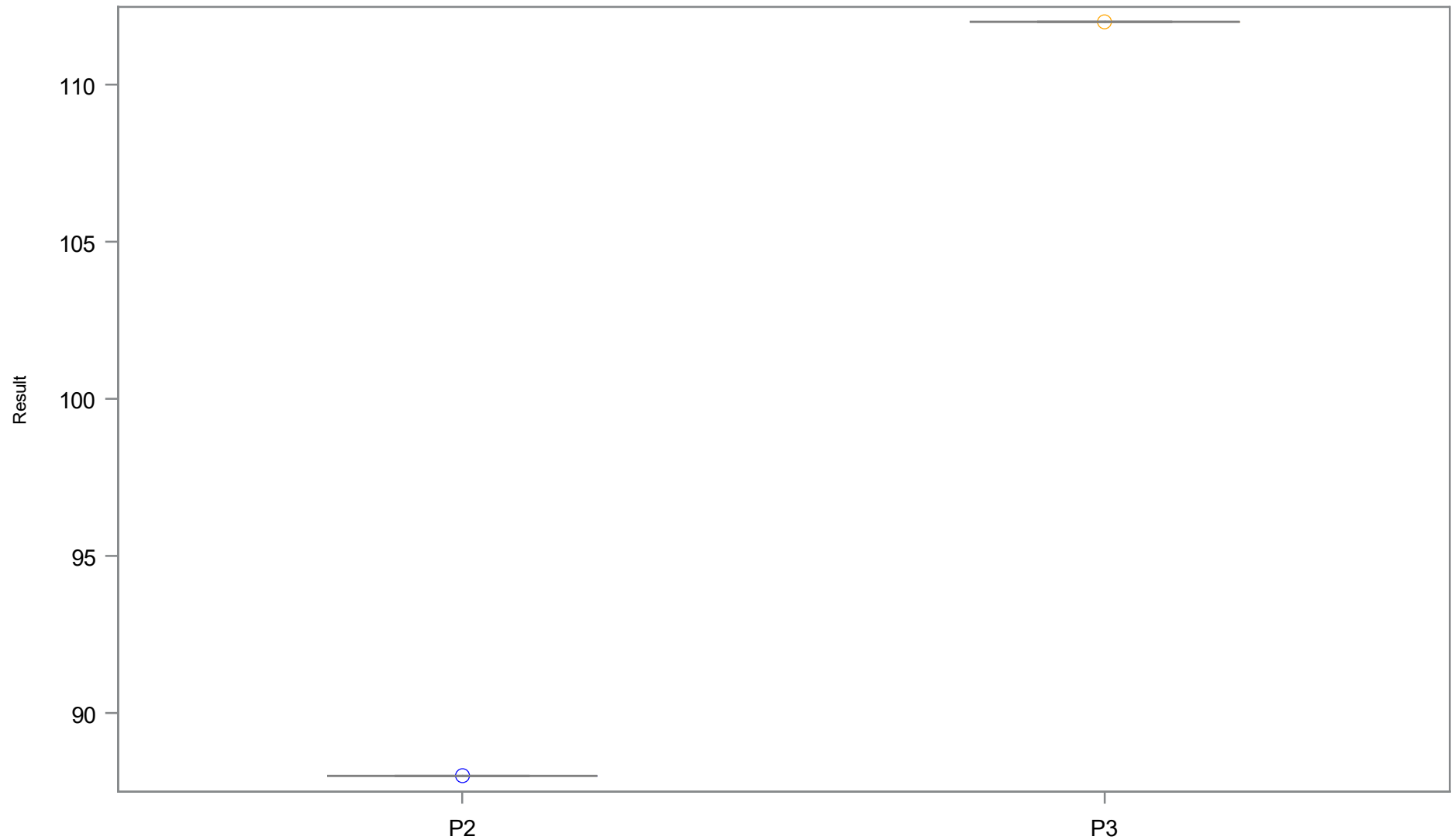
DRAFT Distributional Statistics by Period for Sulphur Springs Run Bottom Dissolved Oxygen Percent Saturation (%)

	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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Bottom Dissolved Oxygen Percent Saturation (%)

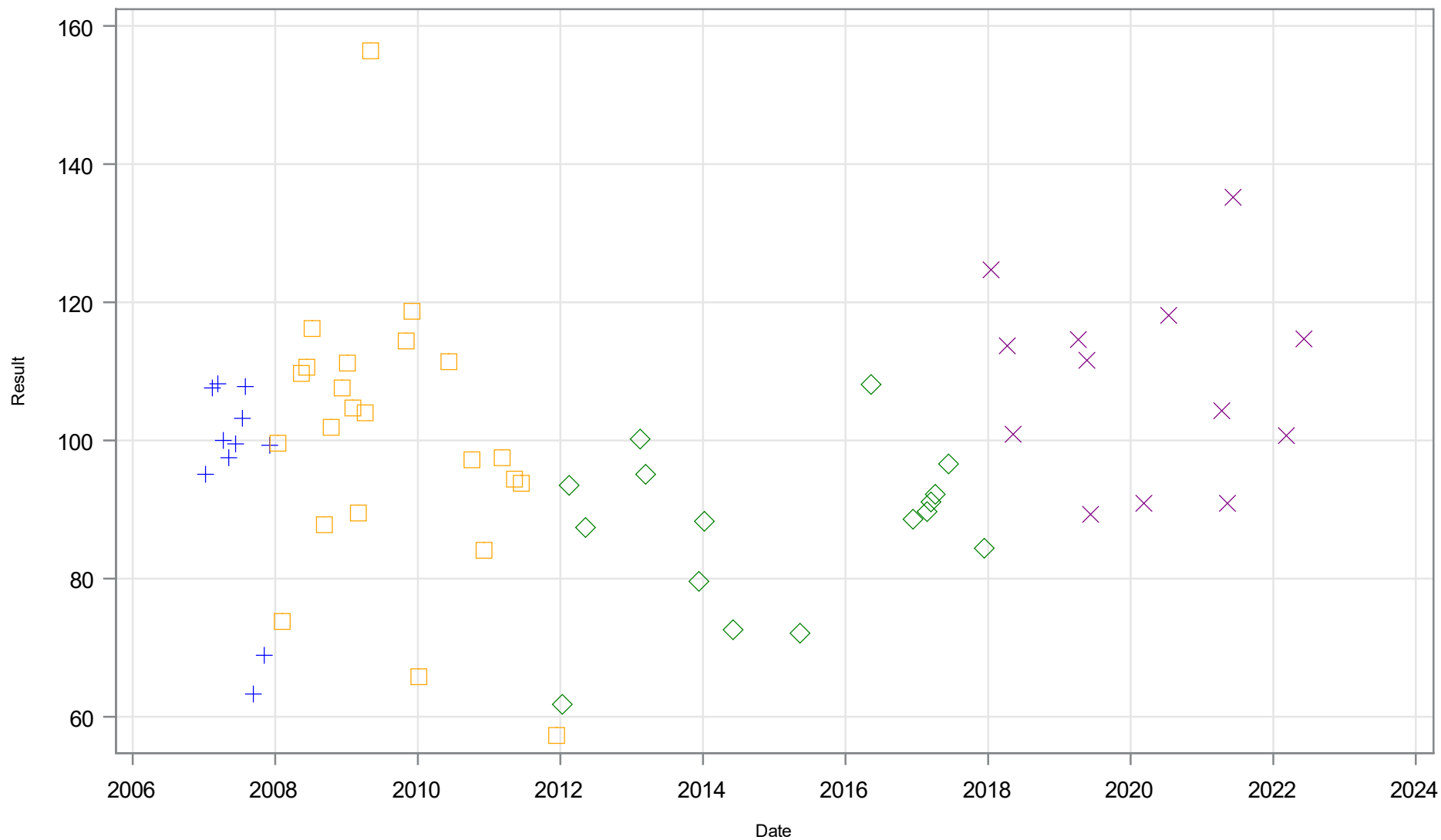


Period ■ P2 ■ P3

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

DRAFT

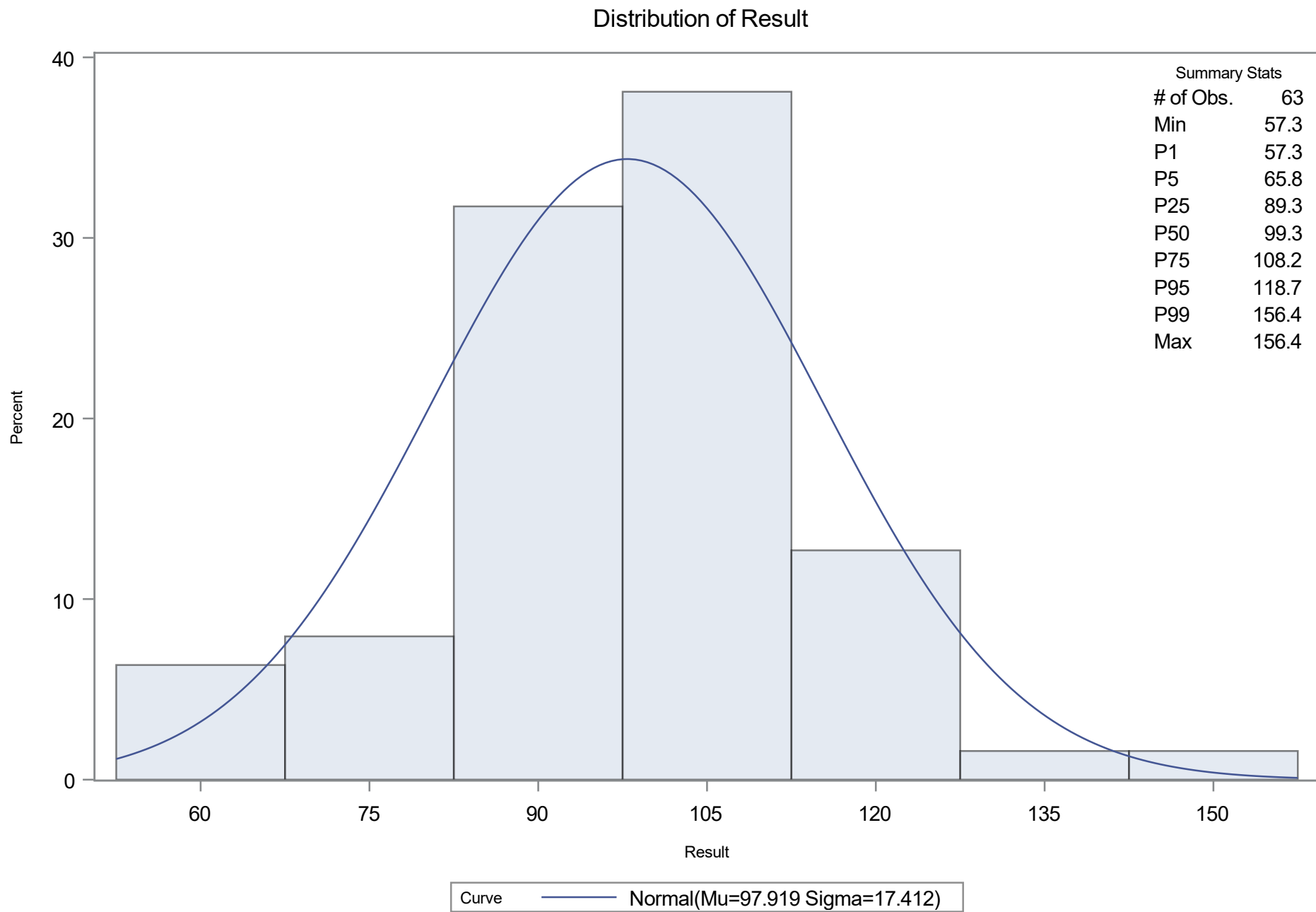
Timeseries of Sulphur Springs Run Midwater Dissolved Oxygen Percent Saturation (%)



Period + P2 □ P3 ◇ P4 × P5

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

DRAFT Univariate Histogram of Sulphur Springs Run Midwater Dissolved Oxygen Percent Saturation (%)



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

DRAFT Univariate Histogram of Sulphur Springs Run Midwater Dissolved Oxygen Percent Saturation (%)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	97.91905
Std Dev	Sigma	17.41187

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09827514	Pr > D	0.133
Cramer-von Mises	W-Sq	0.08871296	Pr > W-Sq	0.159
Anderson-Darling	A-Sq	0.63312705	Pr > A-Sq	0.096

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	57.3000	57.4130
5.0	65.8000	69.2791
10.0	72.6000	75.6048
25.0	89.3000	86.1749
50.0	99.3000	97.9190
75.0	108.2000	109.6632
90.0	114.7000	120.2333
95.0	118.7000	126.5590
99.0	156.4000	138.4251

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

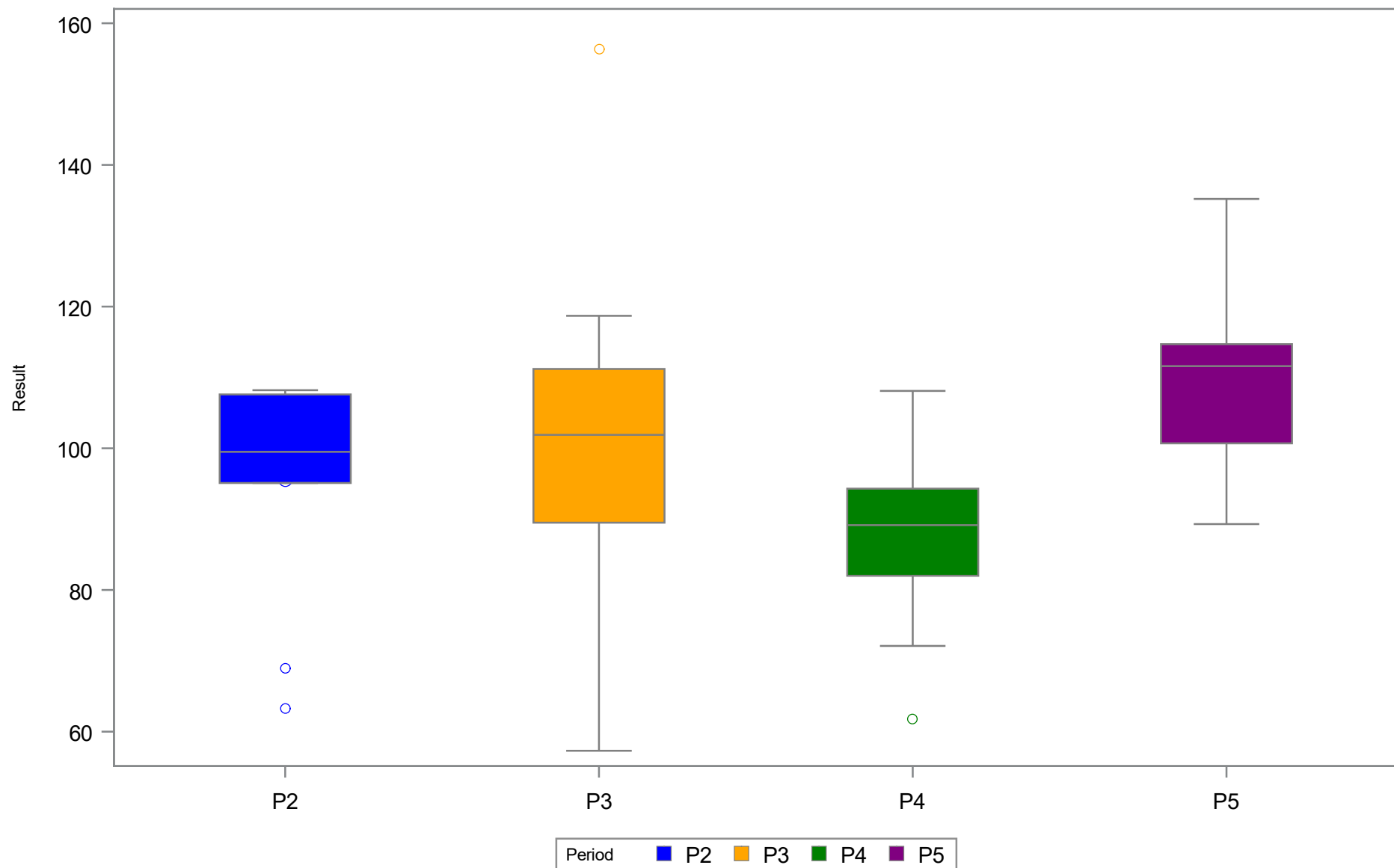
DRAFT Distributional Statistics by Period for Sulphur Springs Run Midwater Dissolved Oxygen Percent Saturation (%)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	63.30	95.10	95.49	99.50	107.60	108.20
P3	23	57.30	89.50	100.33	101.90	111.20	156.40
P4	16	61.80	82.00	87.58	89.15	94.30	108.10
P5	13	89.30	100.70	108.43	111.60	114.70	135.20

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

DRAFT

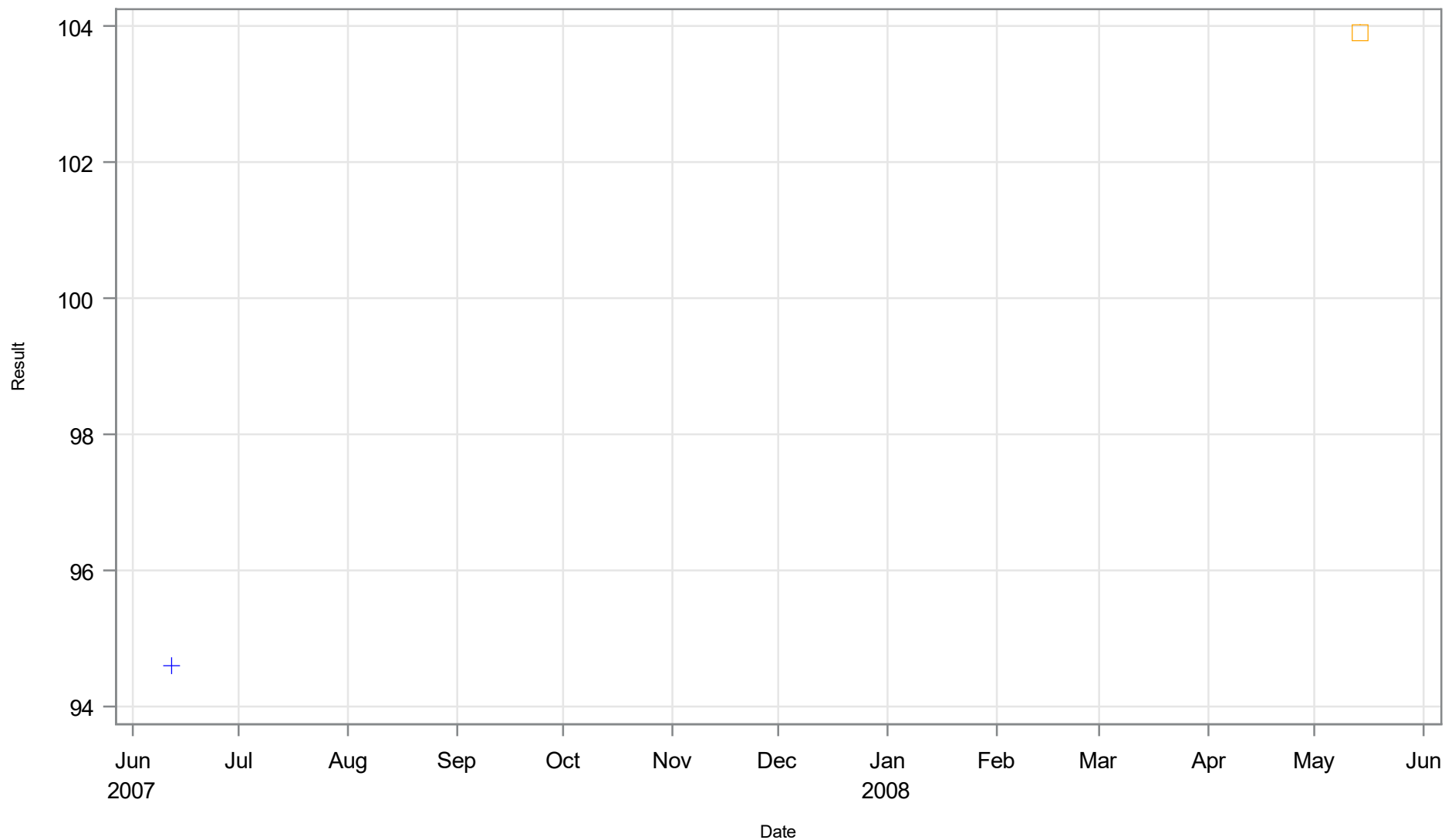
Boxplot by MFL Period for Sulphur Springs Run Midwater Dissolved Oxygen Percent Saturation (%)



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

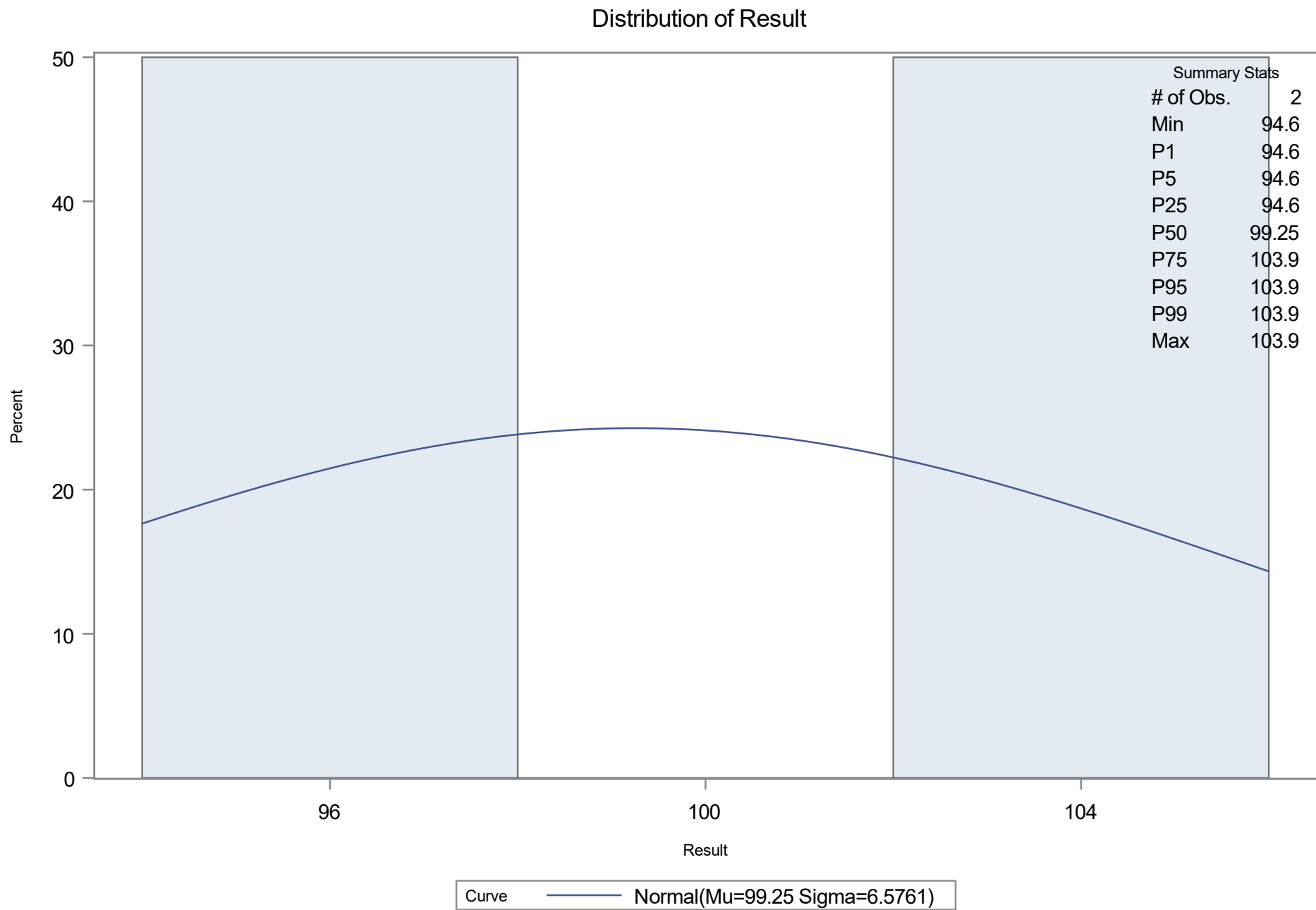
DRAFT

Timeseries of Sulphur Springs Run Surface Dissolved Oxygen Percent Saturation (%)



Period + P2 □ P3

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



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

DRAFT Univariate Histogram of Sulphur Springs Run Surface Dissolved Oxygen Percent Saturation (%)

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		
Percent	Quantile	
	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

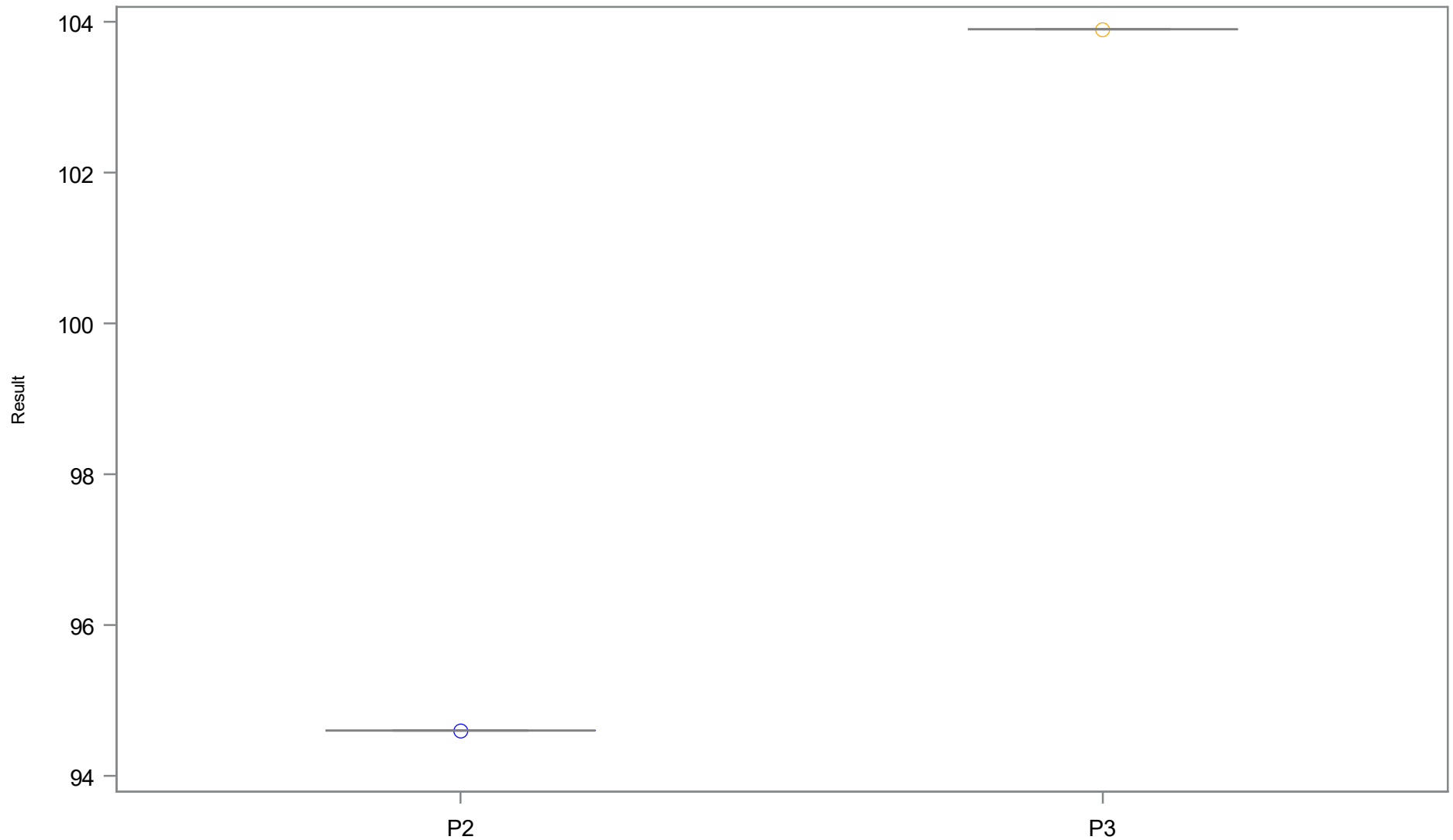
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Dissolved Oxygen Percent Saturation (%)

	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 Sulphur Springs Run Surface Dissolved Oxygen Percent Saturation (%)

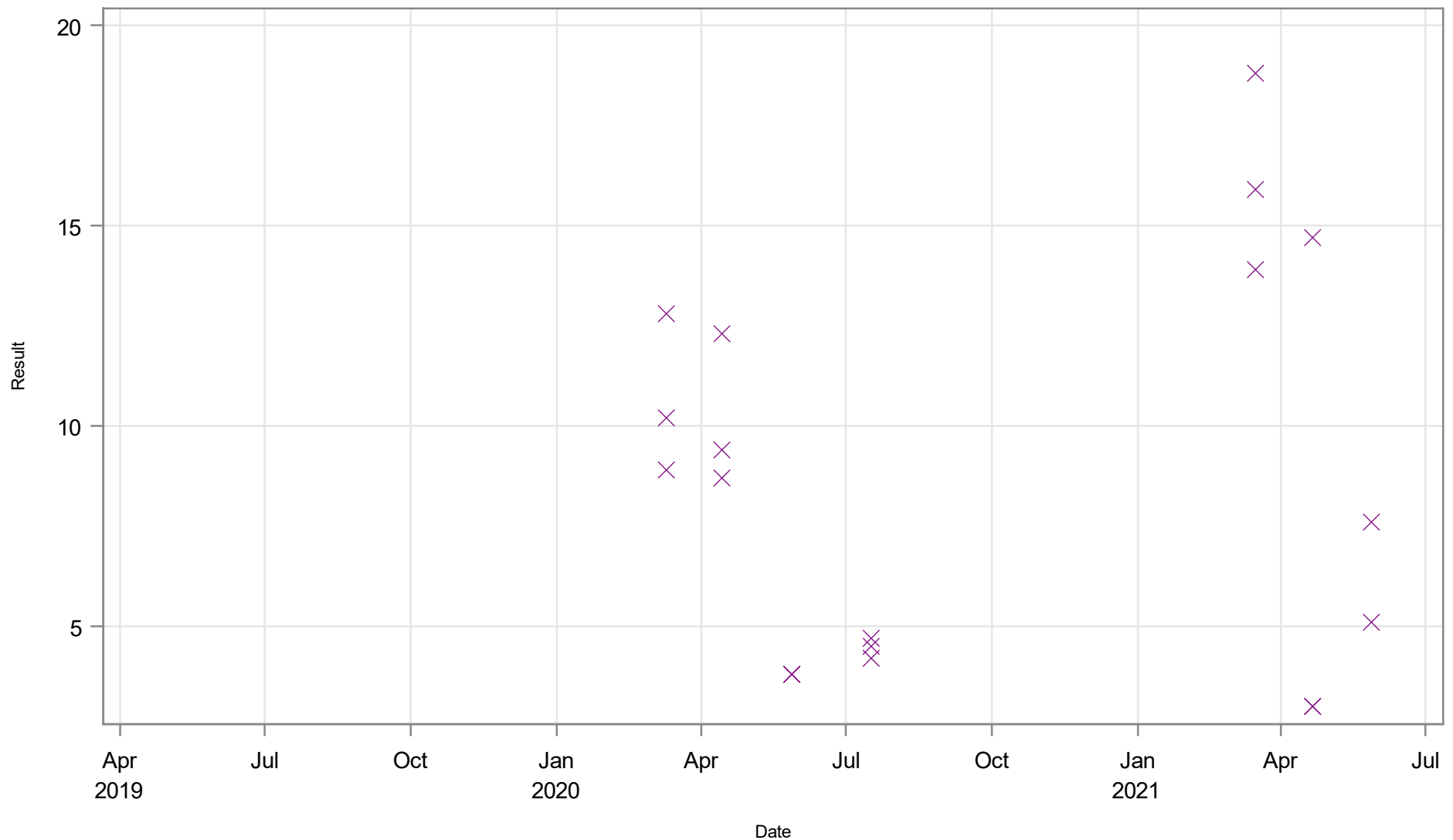


Period ■ P2 ■ P3

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

DRAFT

Timeseries of Moris Bridge Sink Bottom Dissolved Oxygen Percent Saturation (%)



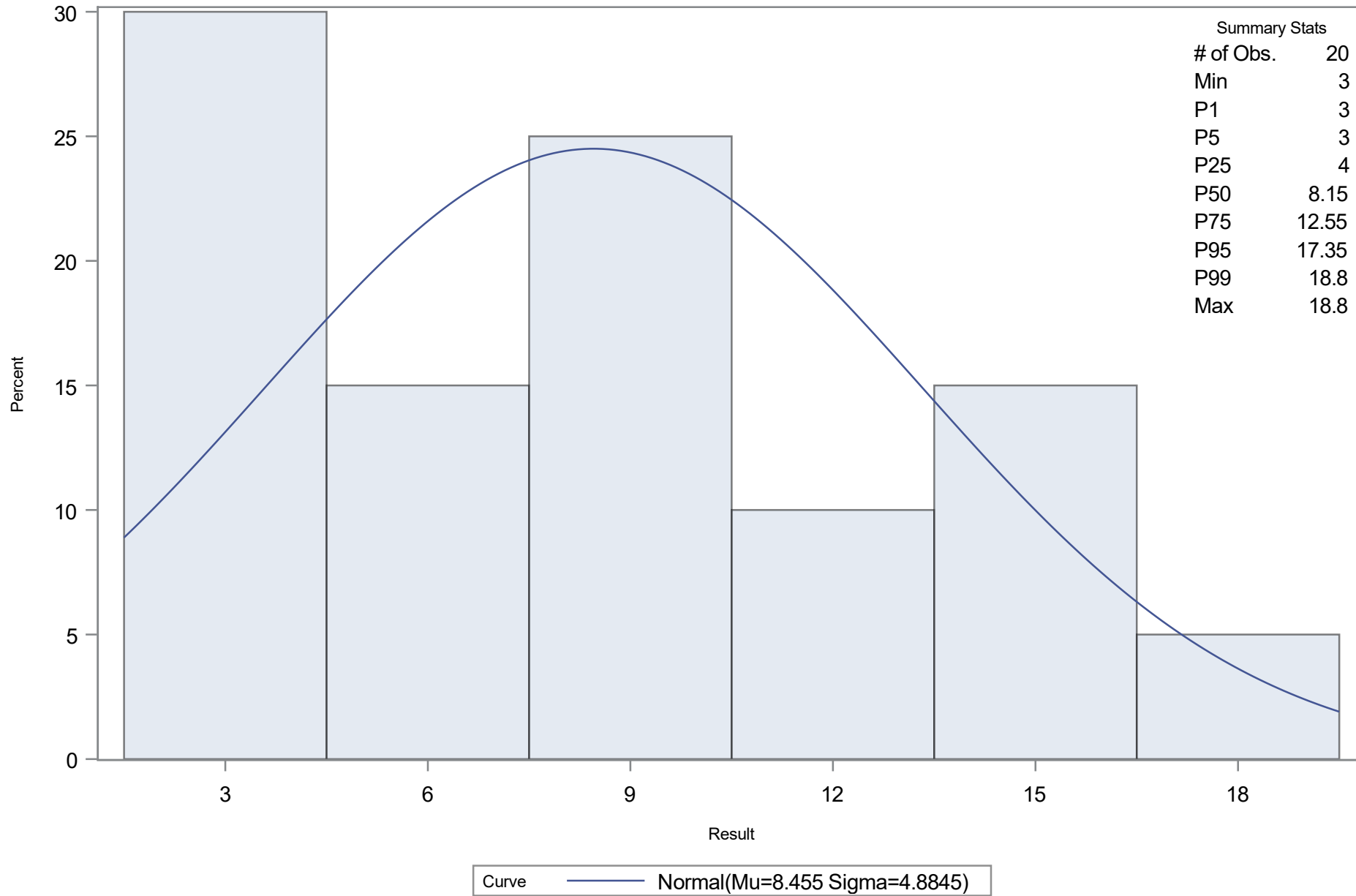
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Bottom Dissolved Oxygen Percent Saturation (%)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	8.455
Std Dev	Sigma	4.884506

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.20391636	Pr > D	0.028
Cramer-von Mises	W-Sq	0.11469583	Pr > W-Sq	0.069
Anderson-Darling	A-Sq	0.72770490	Pr > A-Sq	0.049

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	-2.90806
5.0	3.00000	0.42070
10.0	3.40000	2.19525
25.0	4.00000	5.16045
50.0	8.15000	8.45500
75.0	12.55000	11.74955
90.0	15.30000	14.71475
95.0	17.35000	16.48930
99.0	18.80000	19.81806

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

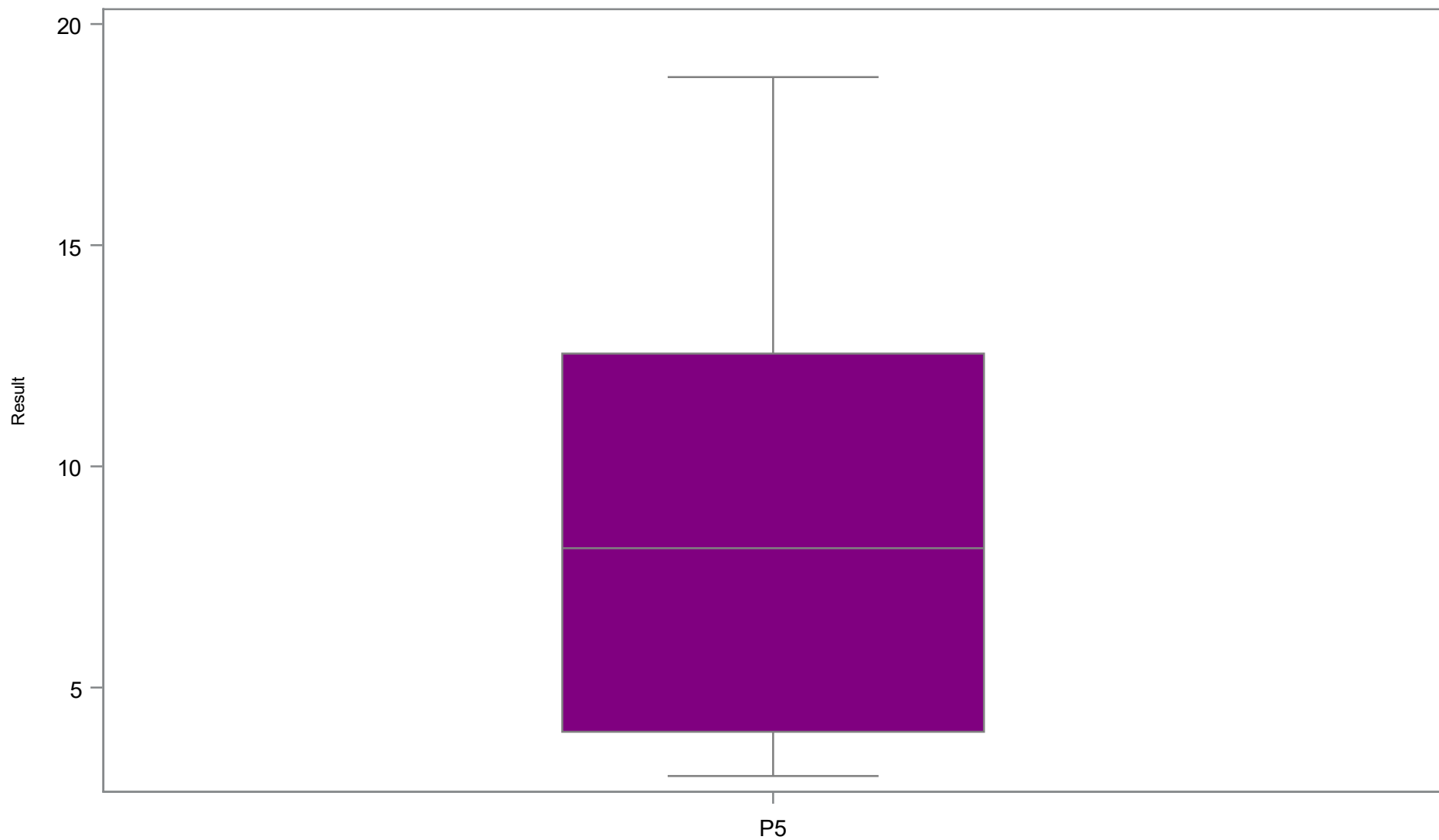
DRAFT Distributional Statistics by Period for Moris Bridge Sink Bottom Dissolved Oxygen Percent Saturation (%)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	20	3.00	4.00	8.46	8.15	12.55	18.80

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Bottom Dissolved Oxygen Percent Saturation (%)

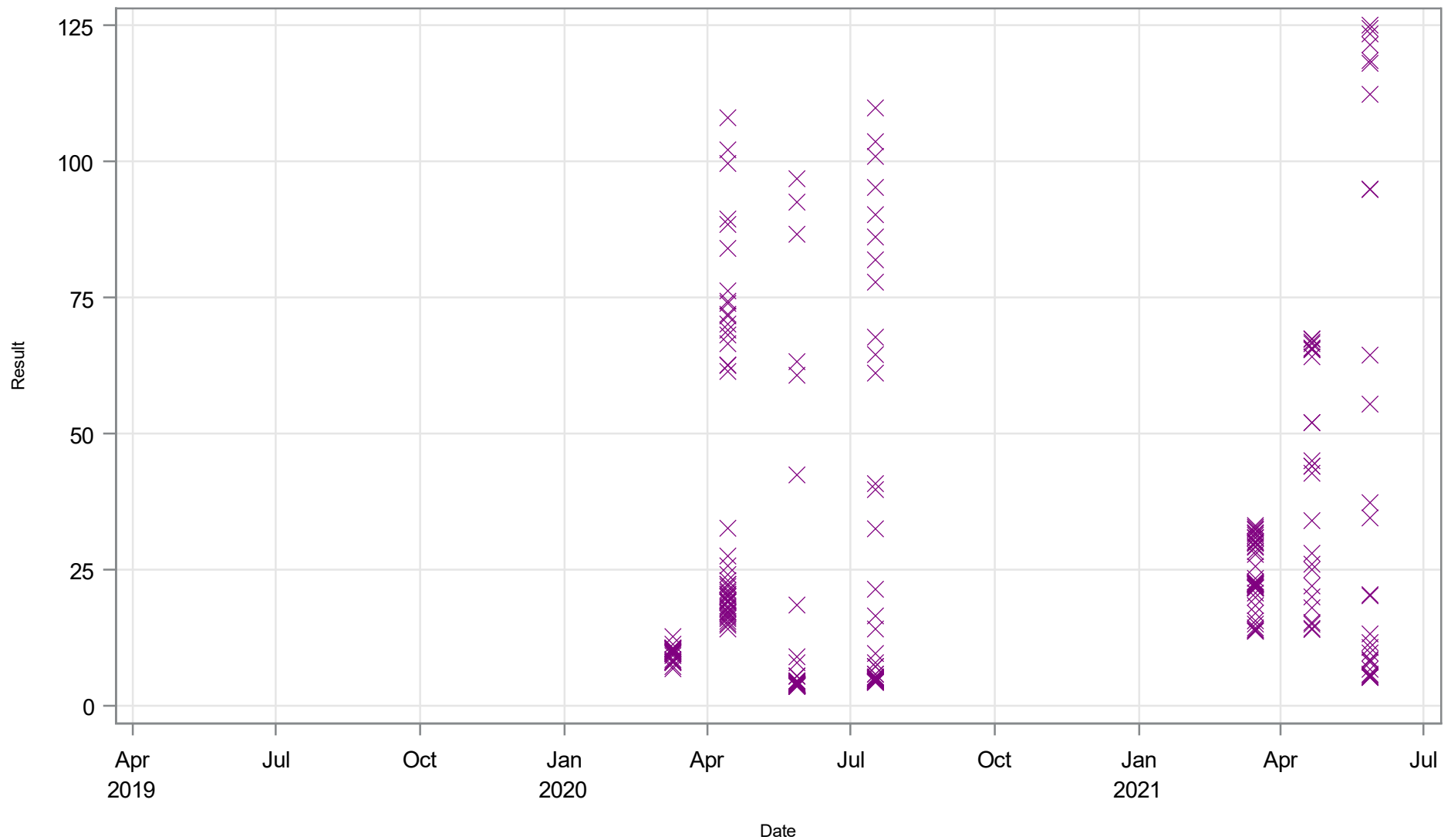


Period ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Midwater Dissolved Oxygen Percent Saturation (%)



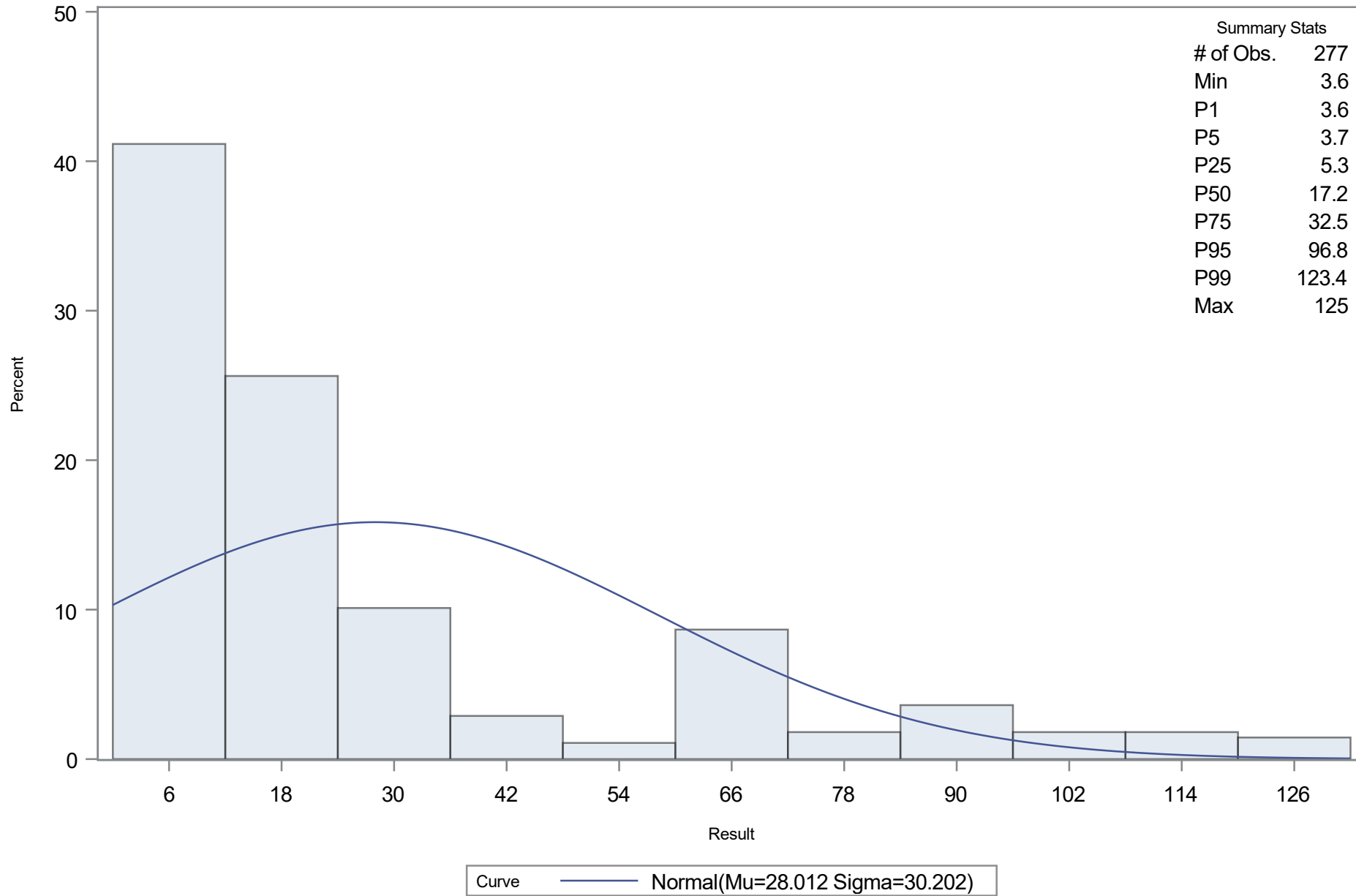
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Midwater Dissolved Oxygen Percent Saturation (%)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	28.01191
Std Dev	Sigma	30.20237

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2301596	Pr > D	<0.010
Cramer-von Mises	W-Sq	4.2995858	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	23.3389050	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.60000	-42.24931
5.0	3.70000	-21.66657
10.0	3.90000	-10.69398
25.0	5.30000	7.64072
50.0	17.20000	28.01191
75.0	32.50000	48.38310
90.0	74.30000	66.71781
95.0	96.80000	77.69040
99.0	123.40000	98.27314

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

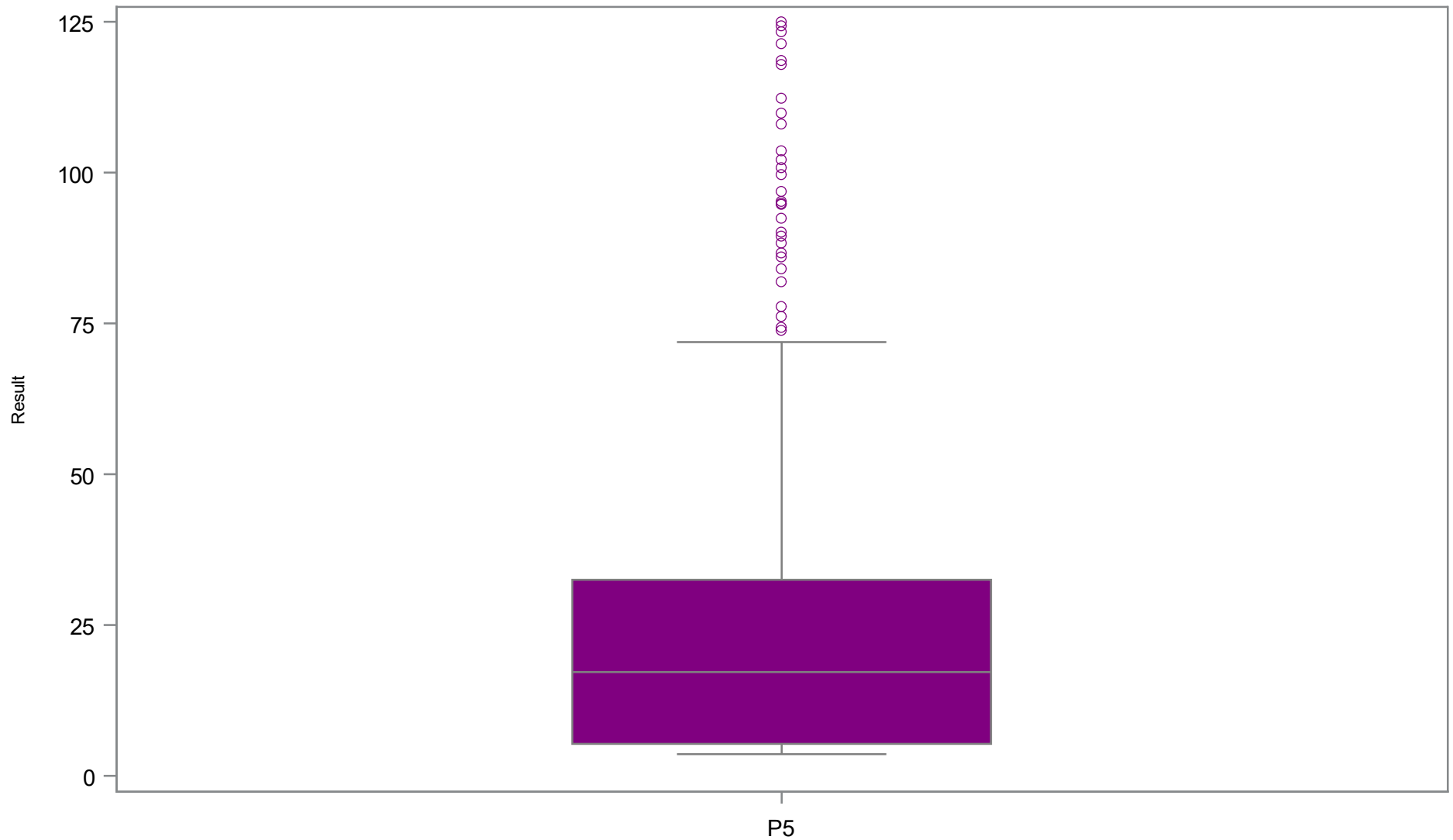
DRAFT Distributional Statistics by Period for Moris Bridge Sink Midwater Dissolved Oxygen Percent Saturation (%)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	277	3.60	5.30	28.01	17.20	32.50	125.00

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Midwater Dissolved Oxygen Percent Saturation (%)

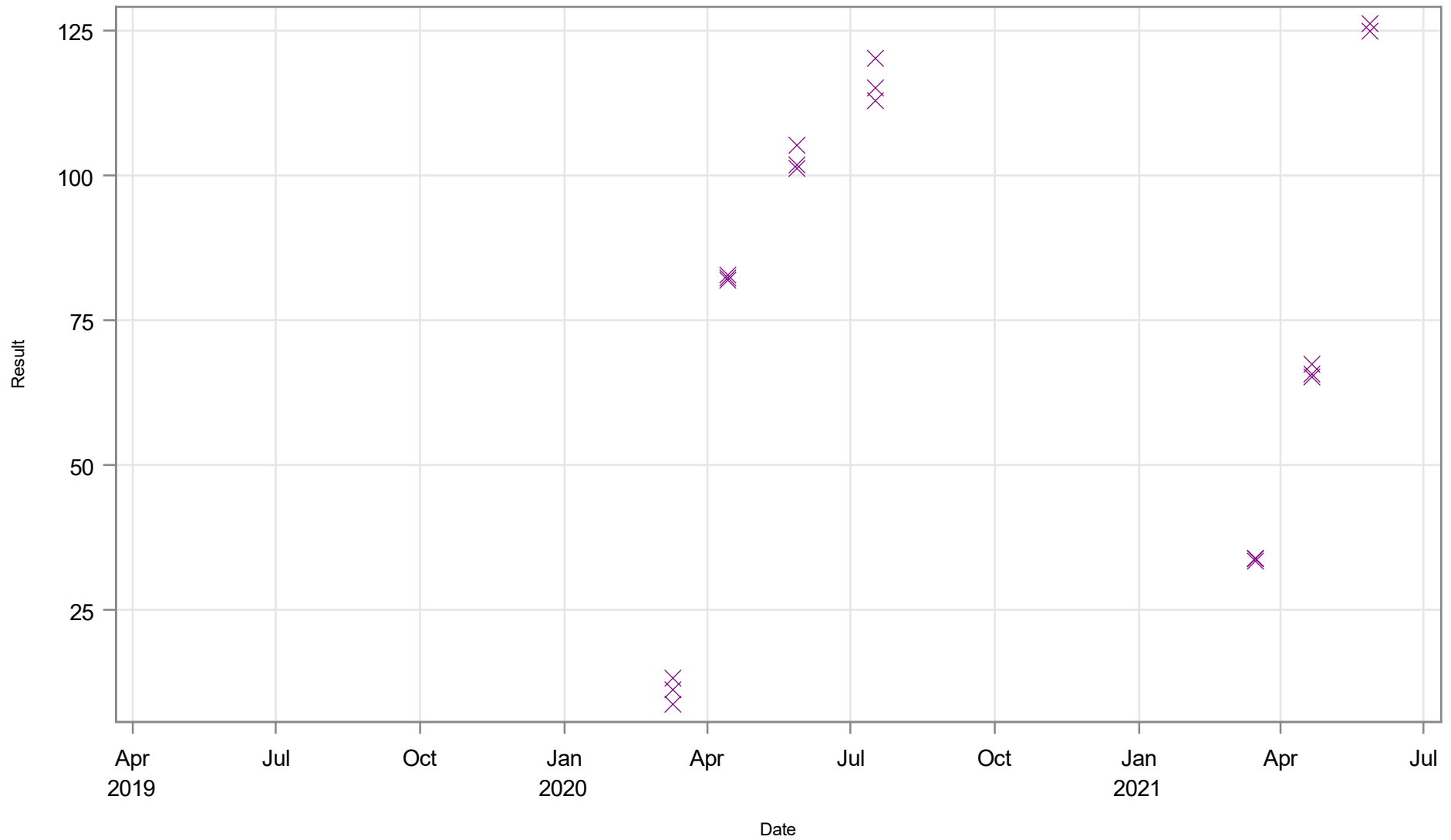


Period ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Surface Dissolved Oxygen Percent Saturation (%)



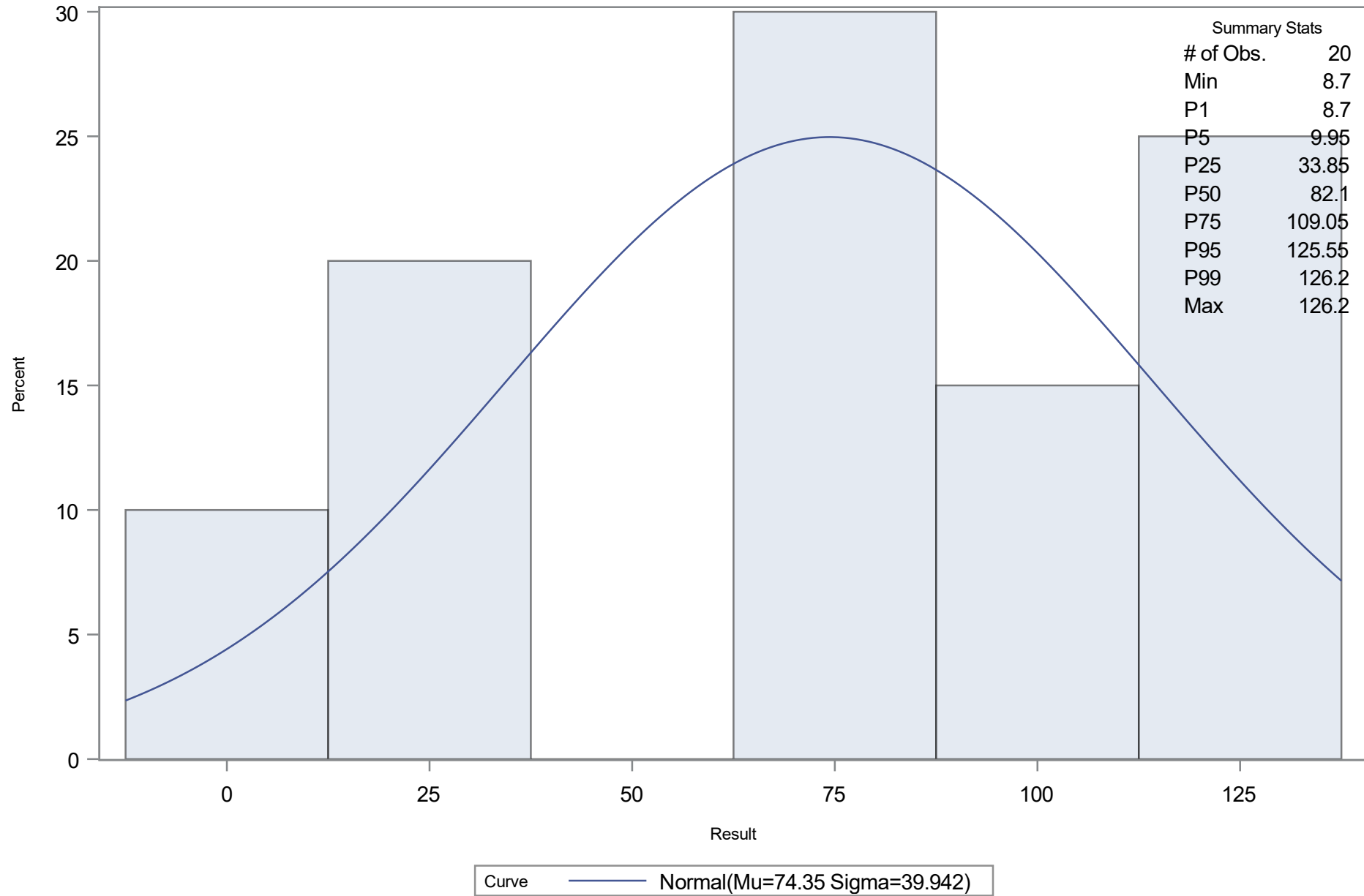
Period X P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Dissolved Oxygen Percent Saturation (%)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	74.35
Std Dev	Sigma	39.94192

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.14928008	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.08479970	Pr > W-Sq	0.174
Anderson-Darling	A-Sq	0.57652428	Pr > A-Sq	0.121

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	8.70000	-18.56881
5.0	9.95000	8.65138
10.0	12.20000	23.16236
25.0	33.85000	47.40958
50.0	82.10000	74.35000
75.0	109.05000	101.29042
90.0	122.55000	125.53764
95.0	125.55000	140.04862
99.0	126.20000	167.26881

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

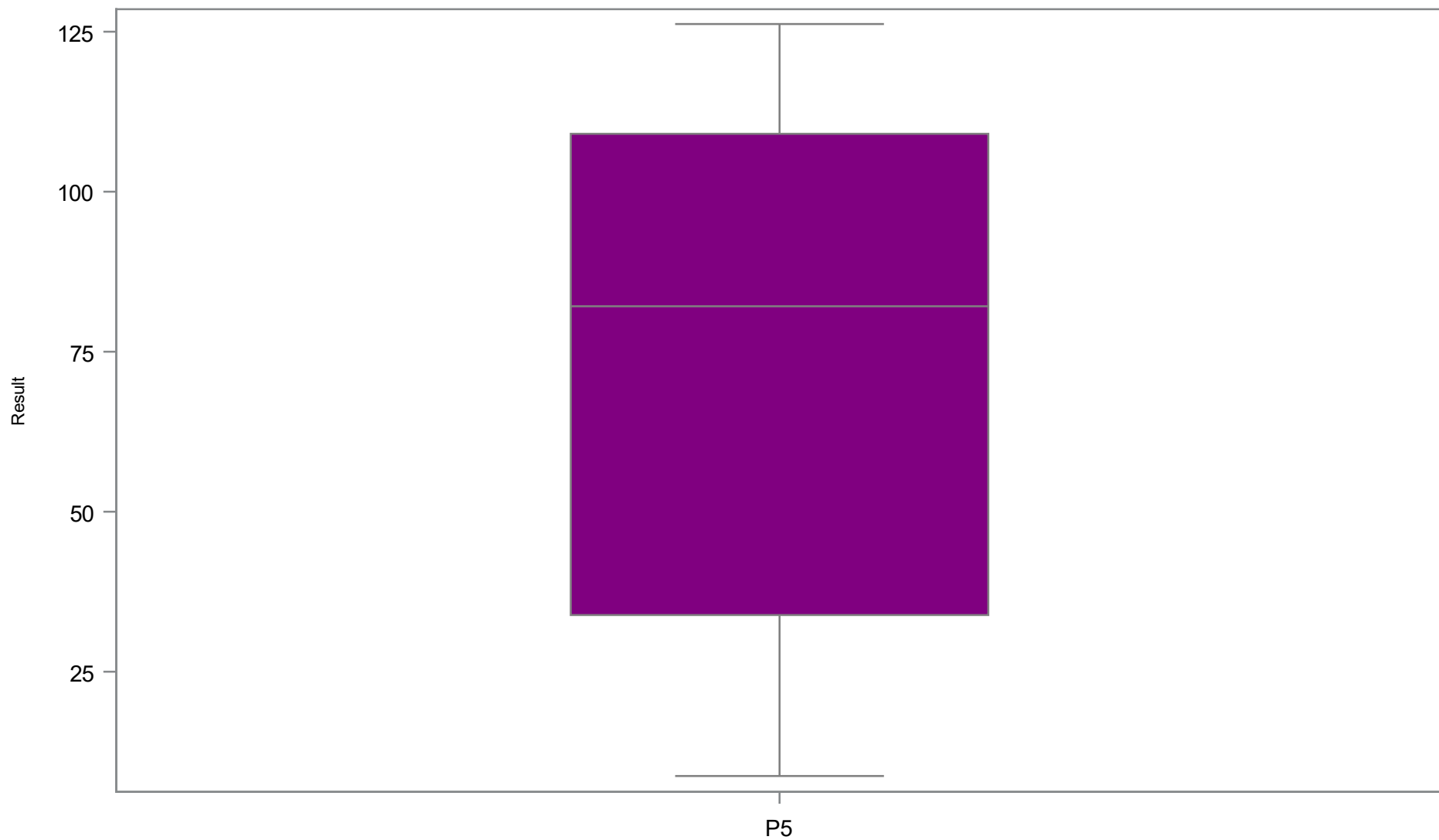
DRAFT Distributional Statistics by Period for Moris Bridge Sink Surface Dissolved Oxygen Percent Saturation (%)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	20	8.70	33.85	74.35	82.10	109.05	126.20

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Dissolved Oxygen Percent Saturation (%)

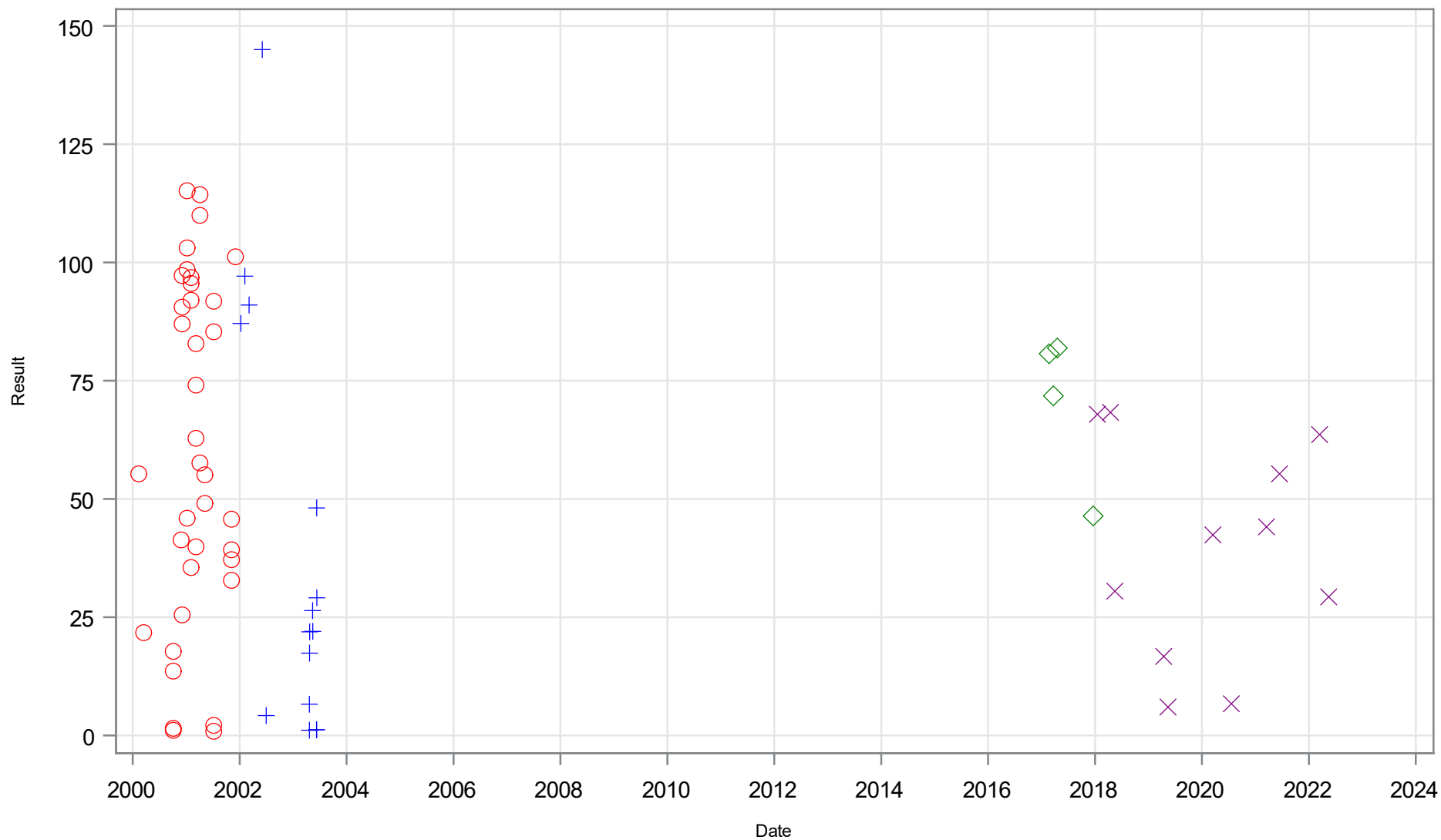


Period ■ P5

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

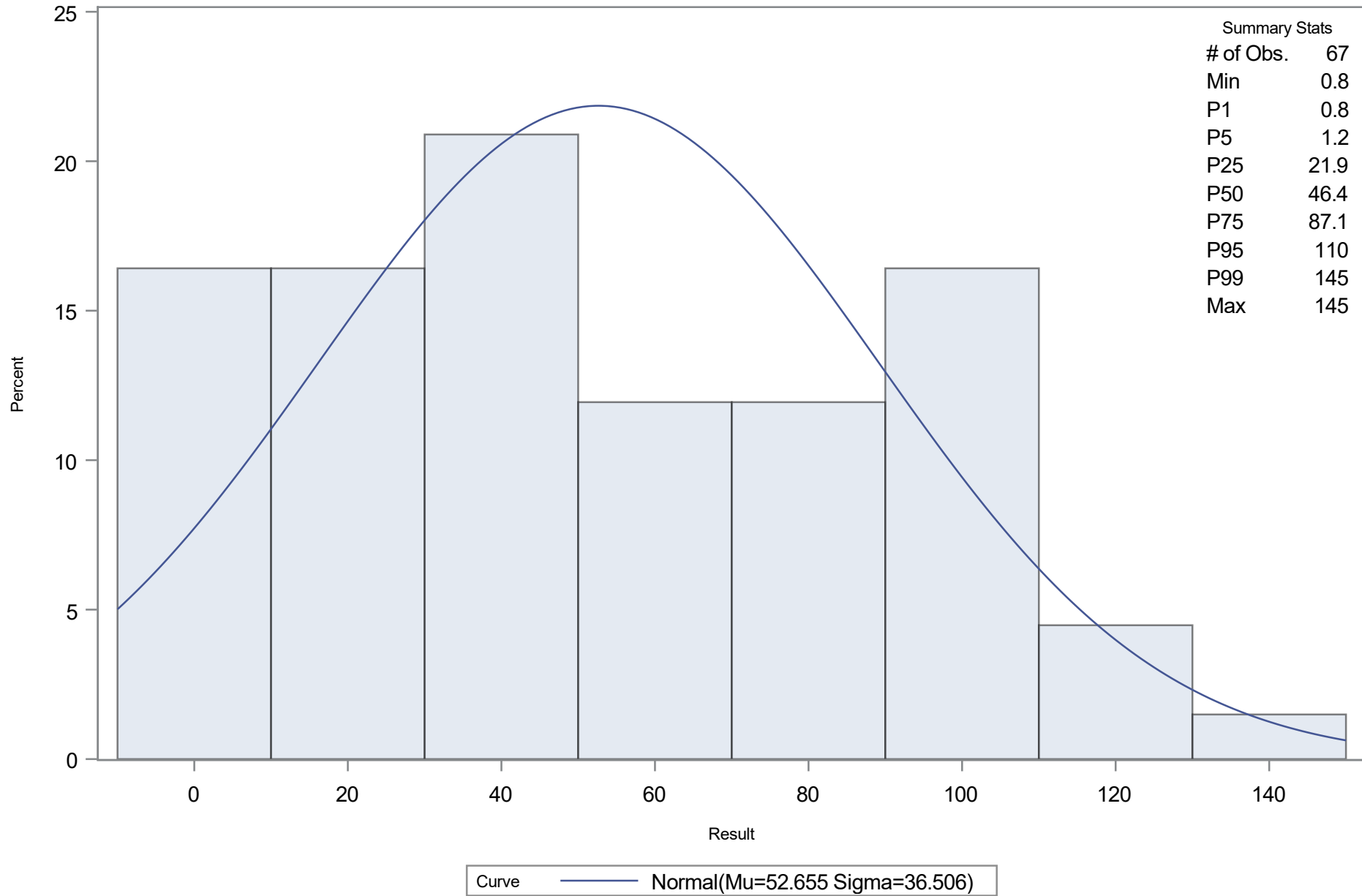
DRAFT

Timeseries of Hillsborough River Reservoir Bottom Dissolved Oxygen Percent Saturation (%)



DRAFT Univariate Histogram of Hillsborough River Reservoir Bottom Dissolved Oxygen Percent Saturation (%)

Distribution of Result



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

DRAFT Univariate Histogram of Hillsborough River Reservoir Bottom Dissolved Oxygen Percent Saturation (%)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	52.65522
Std Dev	Sigma	36.50636

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09225345	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.13764575	Pr > W-Sq	0.036
Anderson-Darling	A-Sq	0.94278977	Pr > A-Sq	0.018

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.80000	-32.27127
5.0	1.20000	-7.39239
10.0	2.20000	5.87044
25.0	21.90000	28.03206
50.0	46.40000	52.65522
75.0	87.10000	77.27839
90.0	98.50000	99.44001
95.0	110.00000	112.70284
99.0	145.00000	137.58172

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

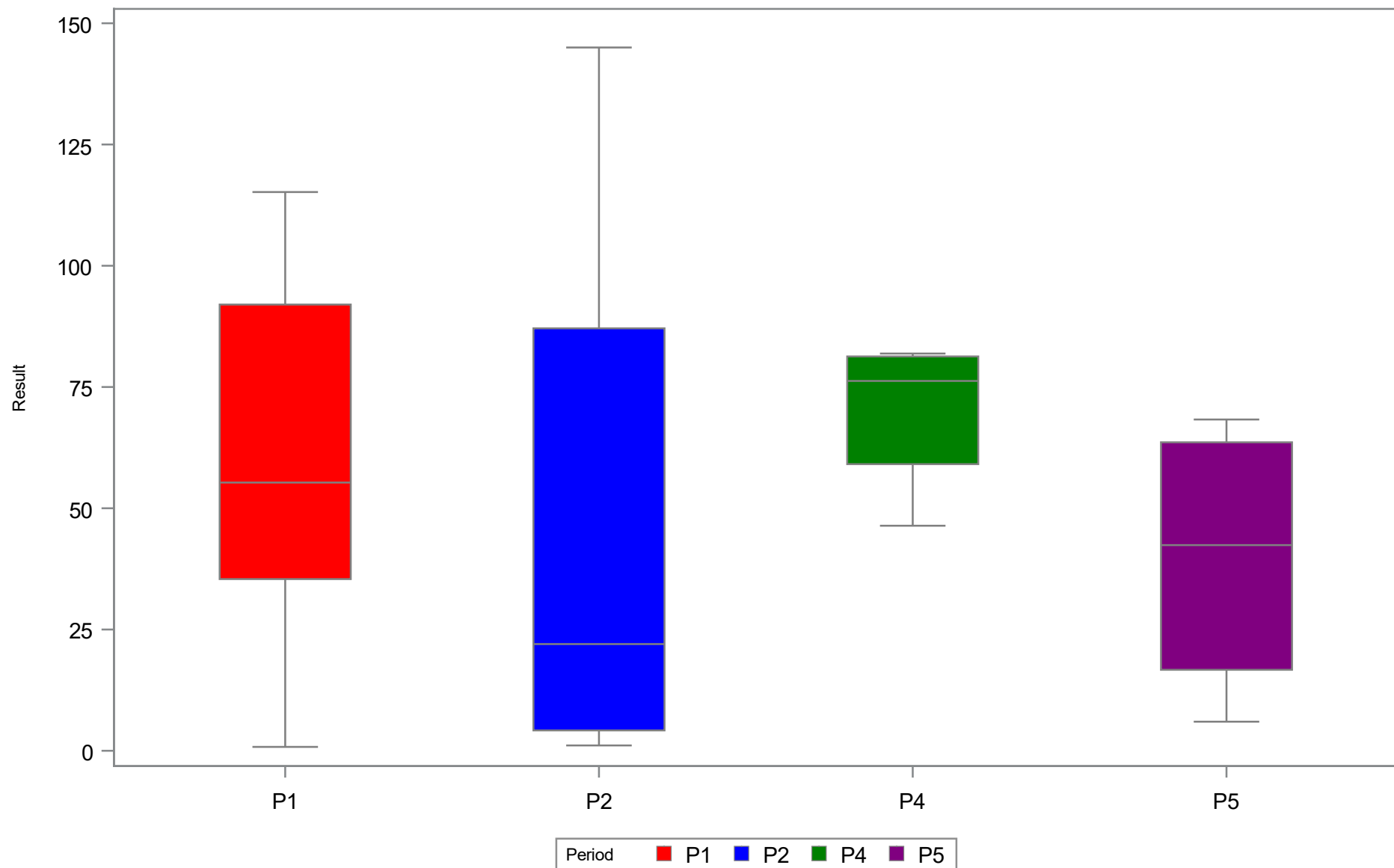
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Dissolved Oxygen Percent Saturation (%)

	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	4	46.40	59.10	70.20	76.25	81.30	81.90
P5	11	6.00	16.70	39.16	42.40	63.60	68.30

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

DRAFT

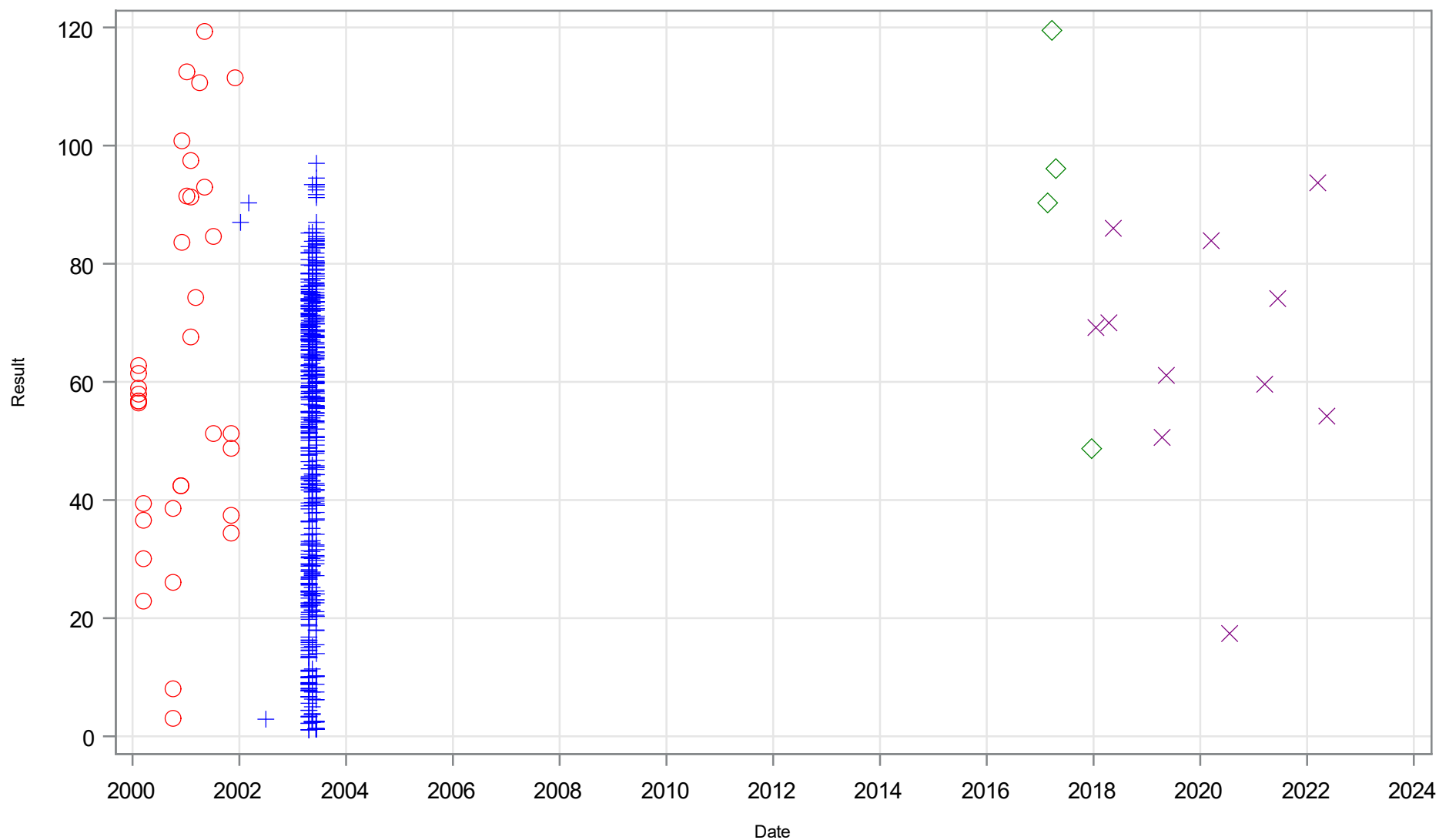
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Dissolved Oxygen Percent Saturation (%)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater Dissolved Oxygen Percent Saturation (%)

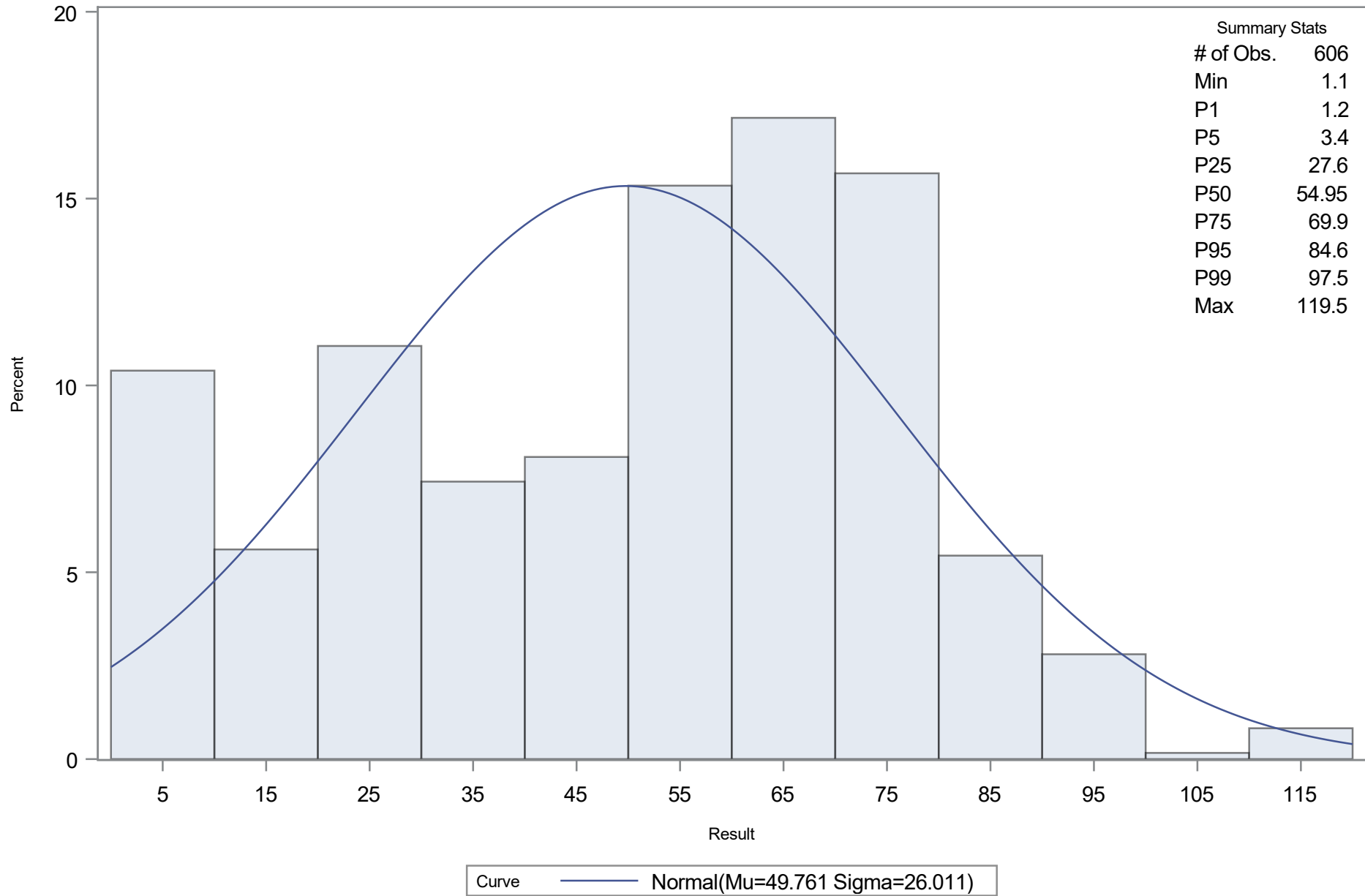


Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT Univariate Histogram of Hillsborough River Reservoir Midwater Dissolved Oxygen Percent Saturation (%)

Distribution of Result



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

DRAFT Univariate Histogram of Hillsborough River Reservoir Midwater Dissolved Oxygen Percent Saturation (%)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	49.76089
Std Dev	Sigma	26.01138

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08537566	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.42423865	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	8.43004687	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.20000	-10.75064
5.0	3.40000	6.97597
10.0	9.00000	16.42596
25.0	27.60000	32.21648
50.0	54.95000	49.76089
75.0	69.90000	67.30530
90.0	79.10000	83.09582
95.0	84.60000	92.54581
99.0	97.50000	110.27242

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

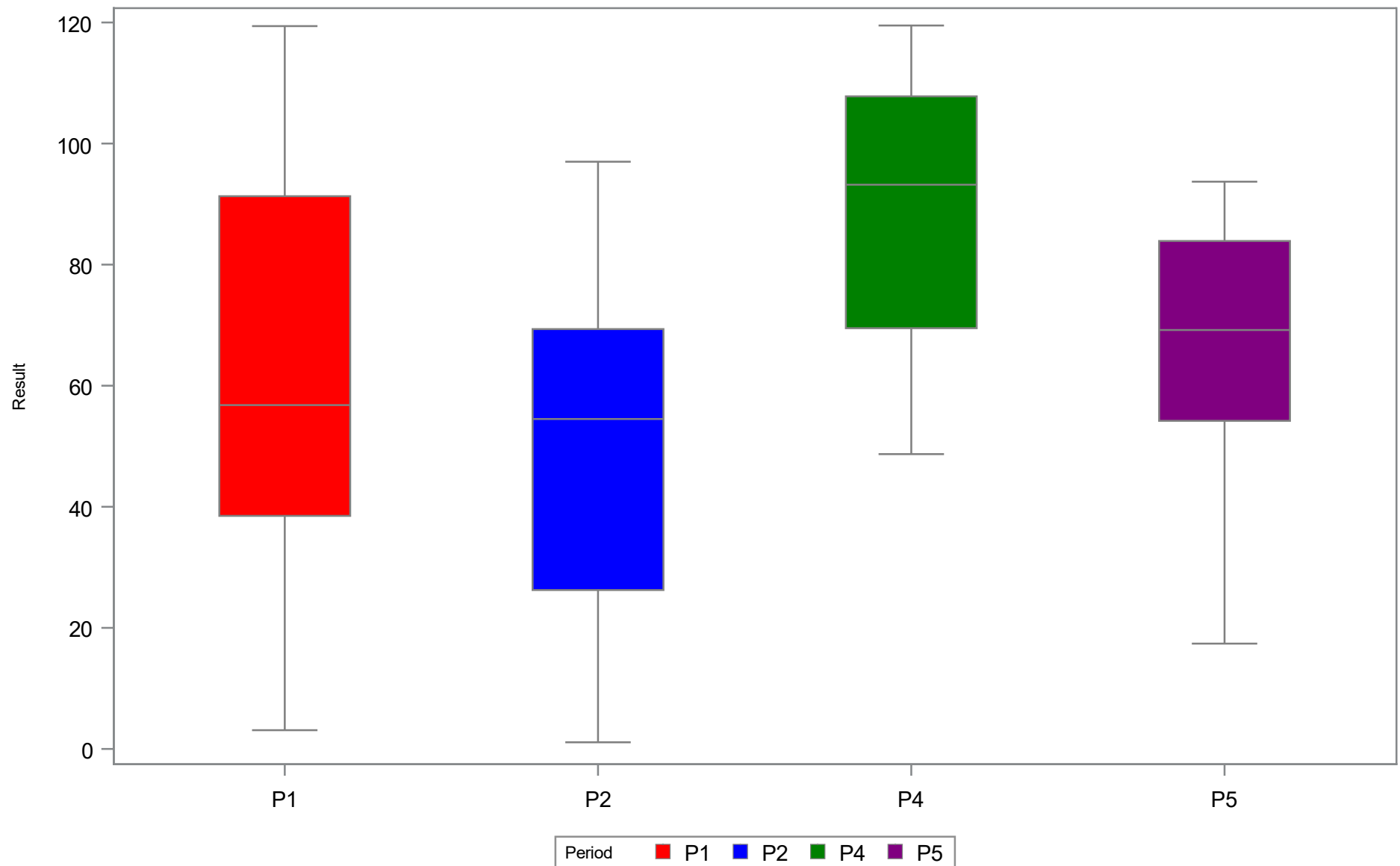
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Dissolved Oxygen Percent Saturation (%)

	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	4	48.70	69.50	88.65	93.20	107.80	119.50
P5	11	17.40	54.20	65.44	69.20	83.90	93.70

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

DRAFT

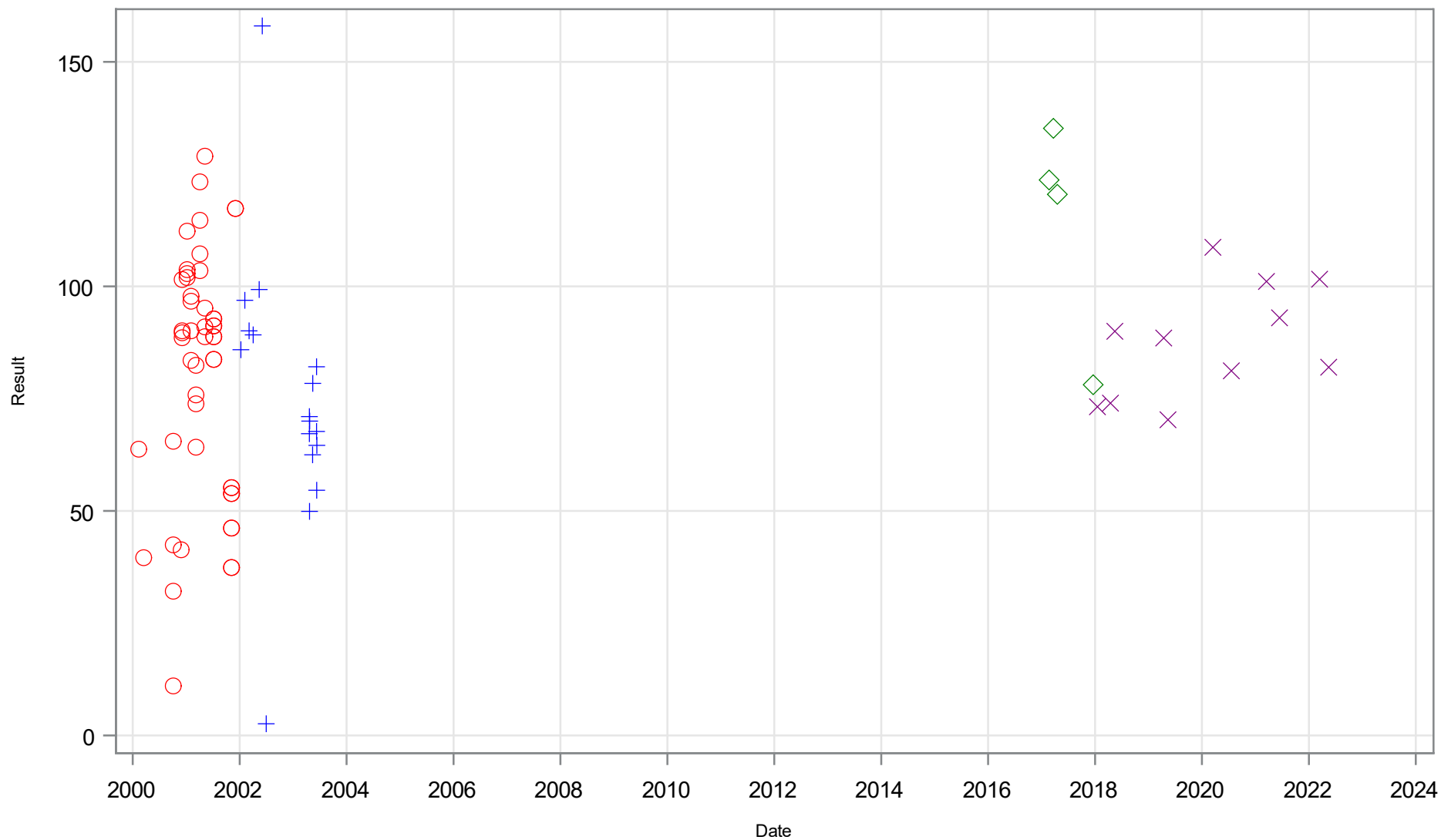
Boxplot by MFL Period for Hillsborough River Reservoir Midwater Dissolved Oxygen Percent Saturation (%)



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

DRAFT

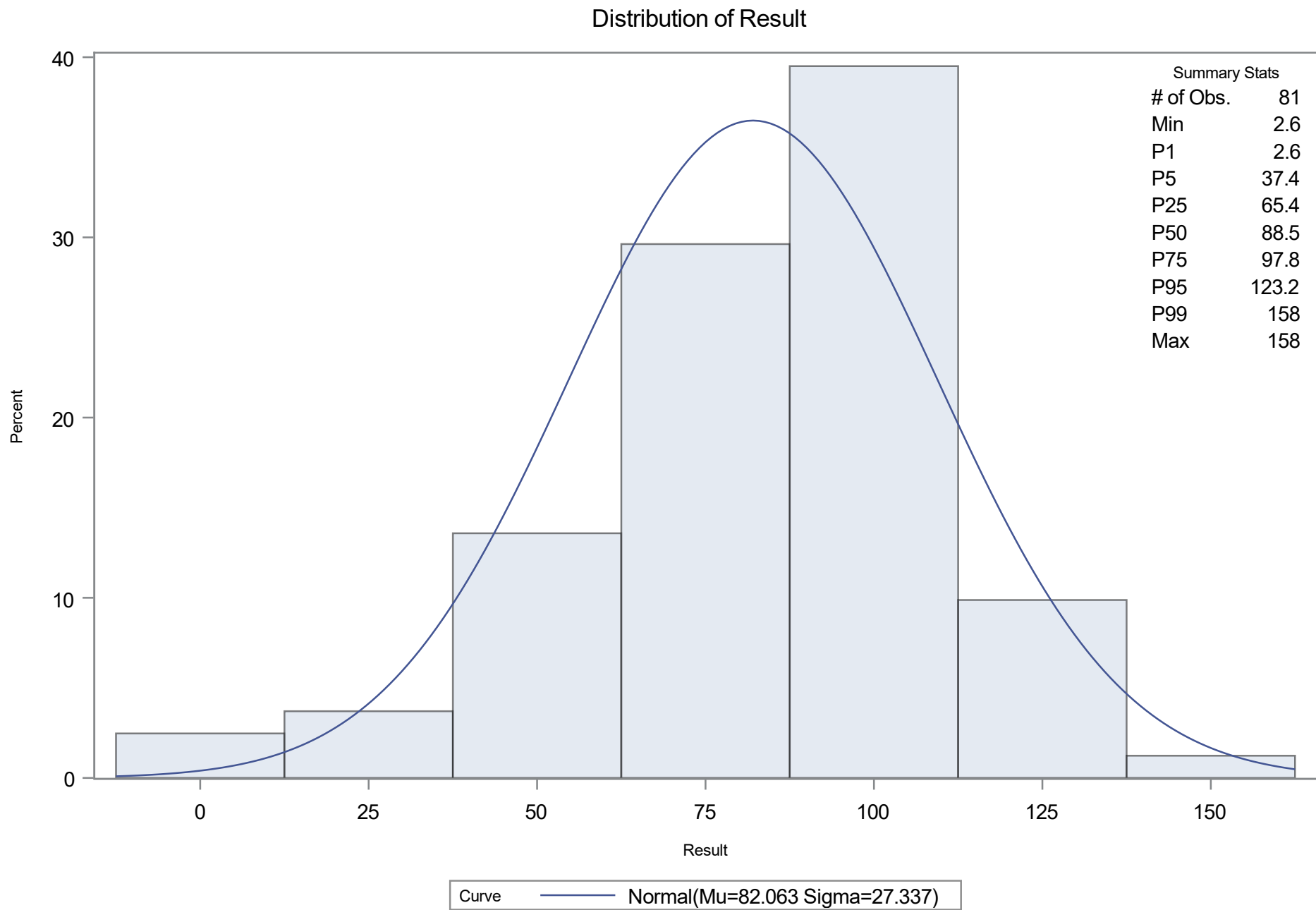
Timeseries of Hillsborough River Reservoir Surface Dissolved Oxygen Percent Saturation (%)



Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT Univariate Histogram of Hillsborough River Reservoir Surface Dissolved Oxygen Percent Saturation (%)



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

DRAFT Univariate Histogram of Hillsborough River Reservoir Surface Dissolved Oxygen Percent Saturation (%)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	82.06296
Std Dev	Sigma	27.33659

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09925214	Pr > D	0.047
Cramer-von Mises	W-Sq	0.12212444	Pr > W-Sq	0.057
Anderson-Darling	A-Sq	0.62057886	Pr > A-Sq	0.103

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.60000	18.4685
5.0	37.40000	37.0983
10.0	46.10000	47.0297
25.0	65.40000	63.6247
50.0	88.50000	82.0630
75.0	97.80000	100.5012
90.0	114.80000	117.0962
95.0	123.20000	127.0277
99.0	158.00000	145.6574

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

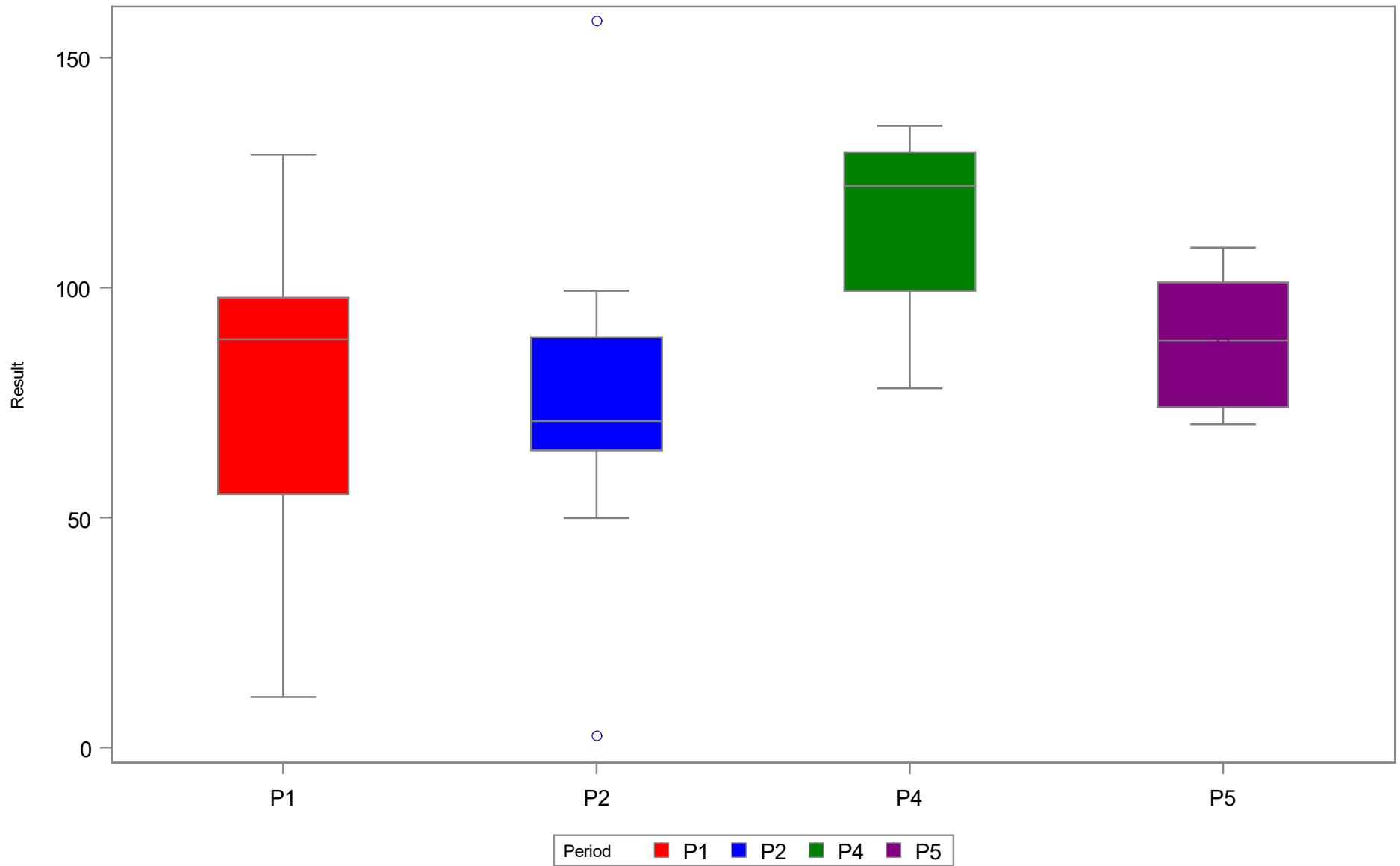
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Dissolved Oxygen Percent Saturation (%)

	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	4	78.10	99.30	114.38	122.10	129.45	135.20
P5	11	70.30	74.00	87.60	88.50	101.10	108.70

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface Dissolved Oxygen Percent Saturation (%)



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

DRAFT

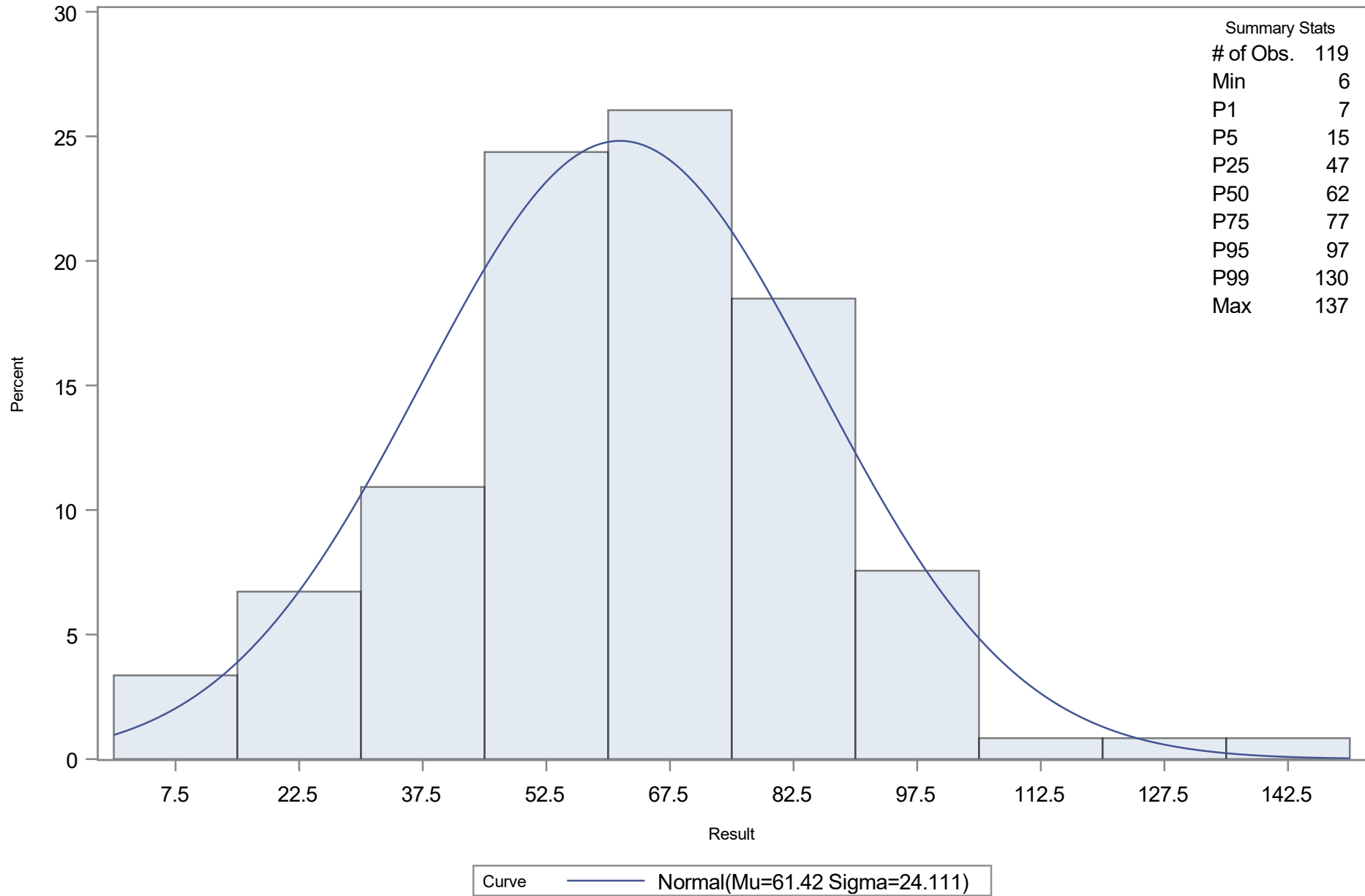
Timeseries of Upper Hillsborough River Bottom Dissolved Oxygen Percent Saturation (%)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

DRAFT Univariate Histogram of Upper Hillsborough River Bottom Dissolved Oxygen Percent Saturation (%)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	61.42017
Std Dev	Sigma	24.11115

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.05093582	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.06353912	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.49160456	Pr > A-Sq	0.223

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	7.00000	5.32925
5.0	15.00000	21.76086
10.0	29.00000	30.52049
25.0	47.00000	45.15745
50.0	62.00000	61.42017
75.0	77.00000	77.68289
90.0	90.00000	92.31985
95.0	97.00000	101.07947
99.0	130.00000	117.51108

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

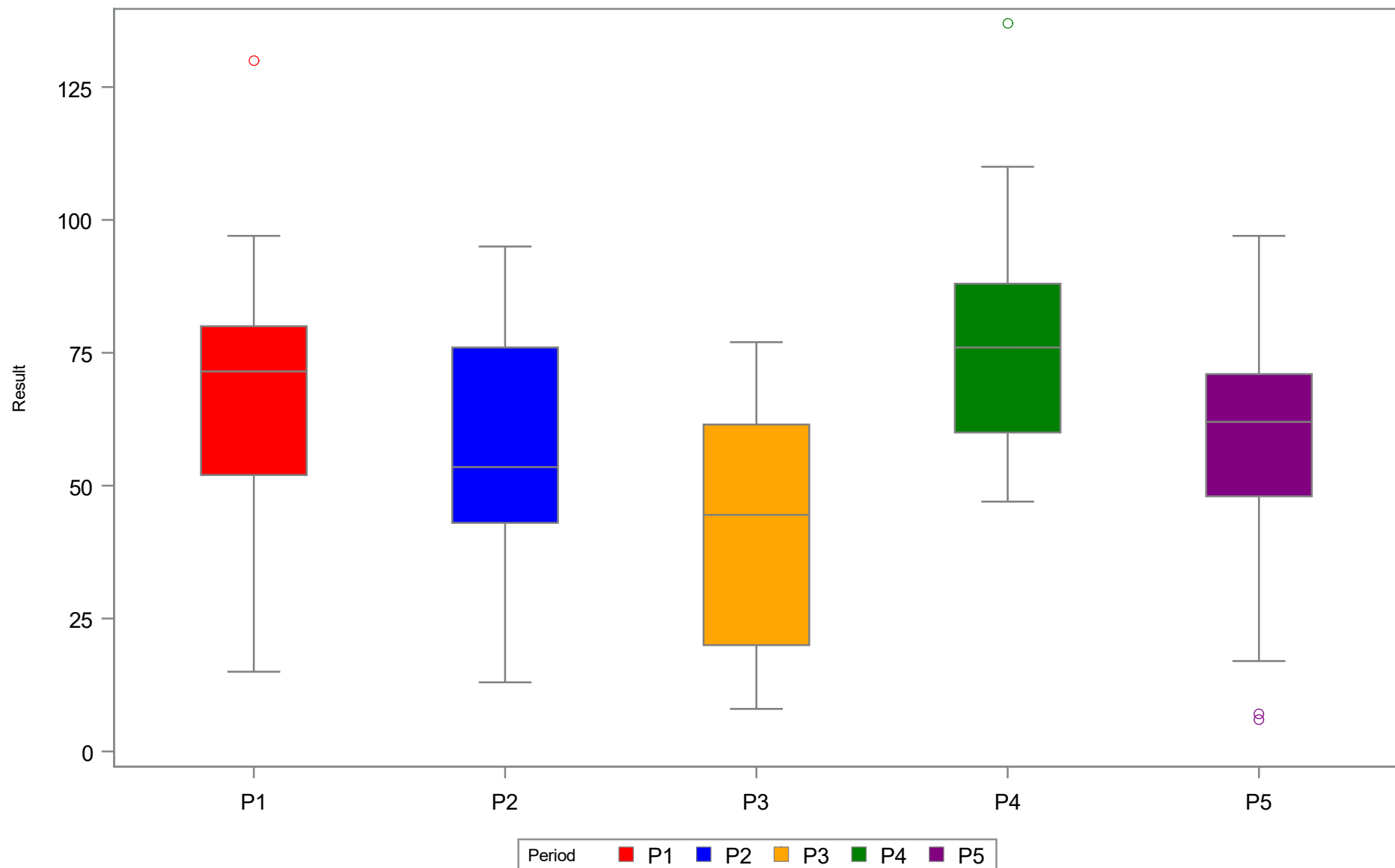
DRAFT Distributional Statistics by Period for Upper Hillsborough River Bottom Dissolved Oxygen Percent Saturation (%)

	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	20	47.00	60.00	77.50	76.00	88.00	137.00
P5	31	6.00	48.00	57.03	62.00	71.00	97.00

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

DRAFT

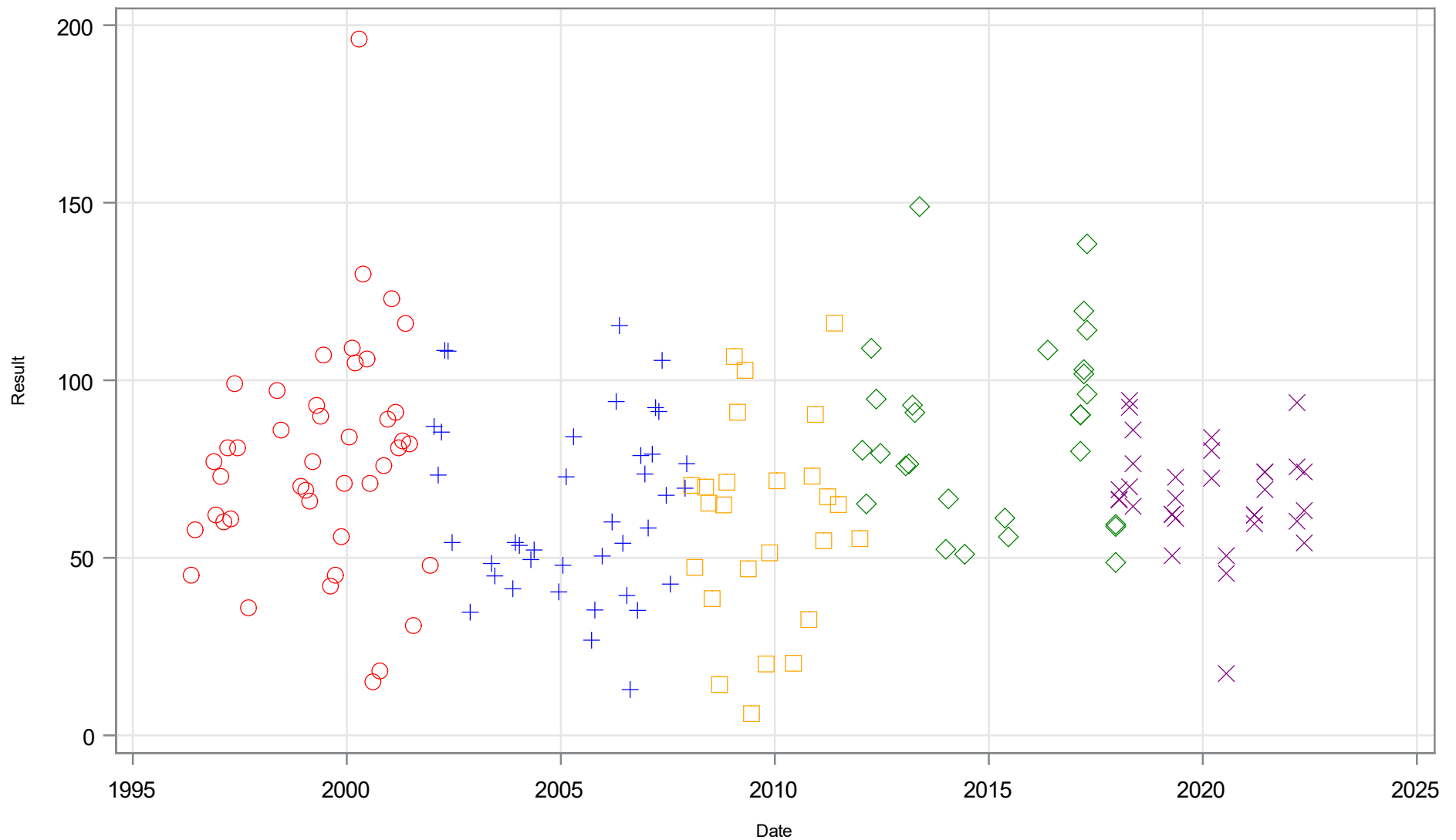
Boxplot by MFL Period for Upper Hillsborough River Bottom Dissolved Oxygen Percent Saturation (%)



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

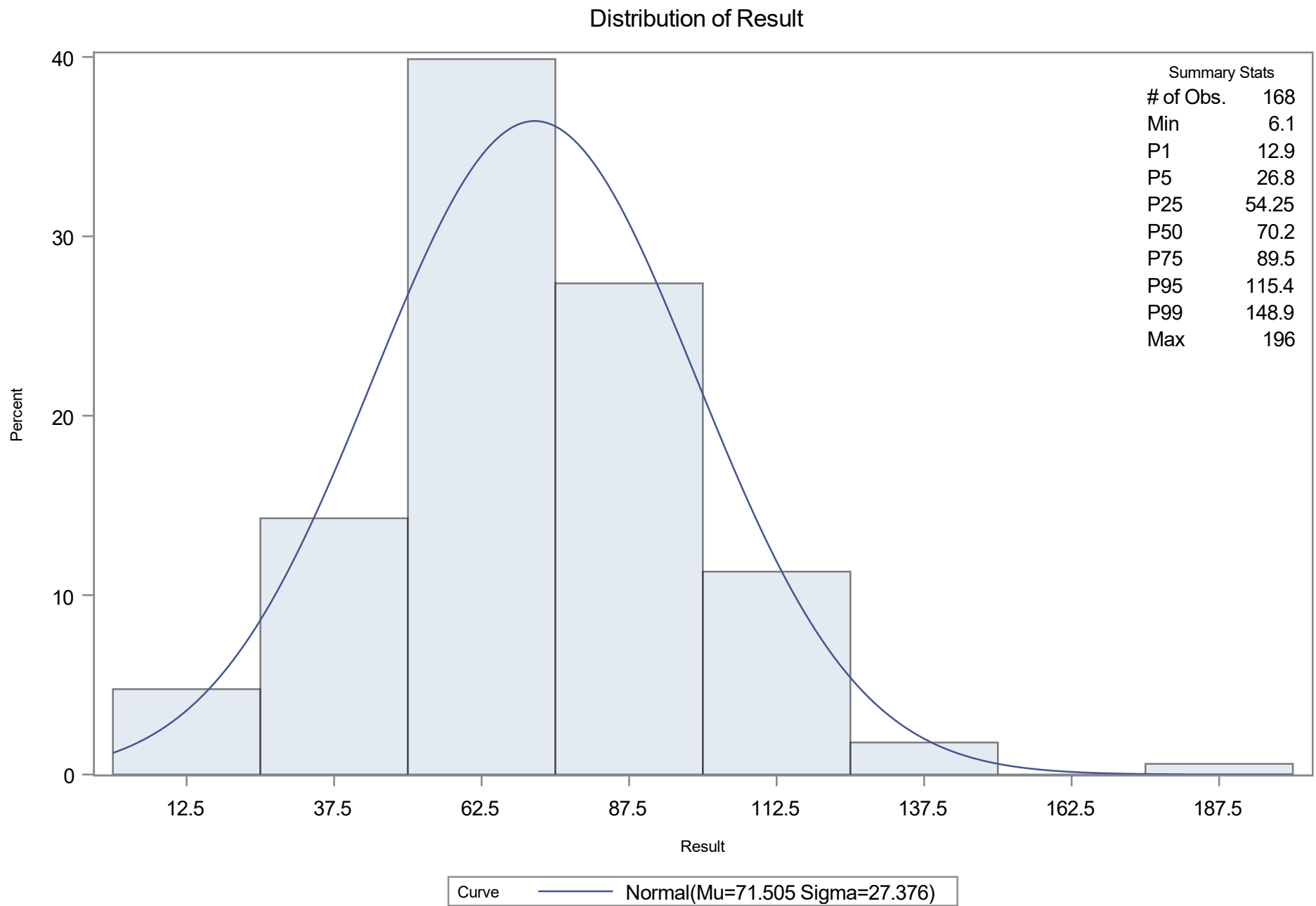
DRAFT

Timeseries of Upper Hillsborough River Midwater Dissolved Oxygen Percent Saturation (%)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	71.50476
Std Dev	Sigma	27.37628

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.05735965	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.09368500	Pr > W-Sq	0.139
Anderson-Darling	A-Sq	0.58351695	Pr > A-Sq	0.132

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	12.9000	7.81801
5.0	26.8000	26.47479
10.0	39.4000	36.42064
25.0	54.2500	53.03974
50.0	70.2000	71.50476
75.0	89.5000	89.96978
90.0	106.7000	106.58888
95.0	115.4000	116.53474
99.0	148.9000	135.19152

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

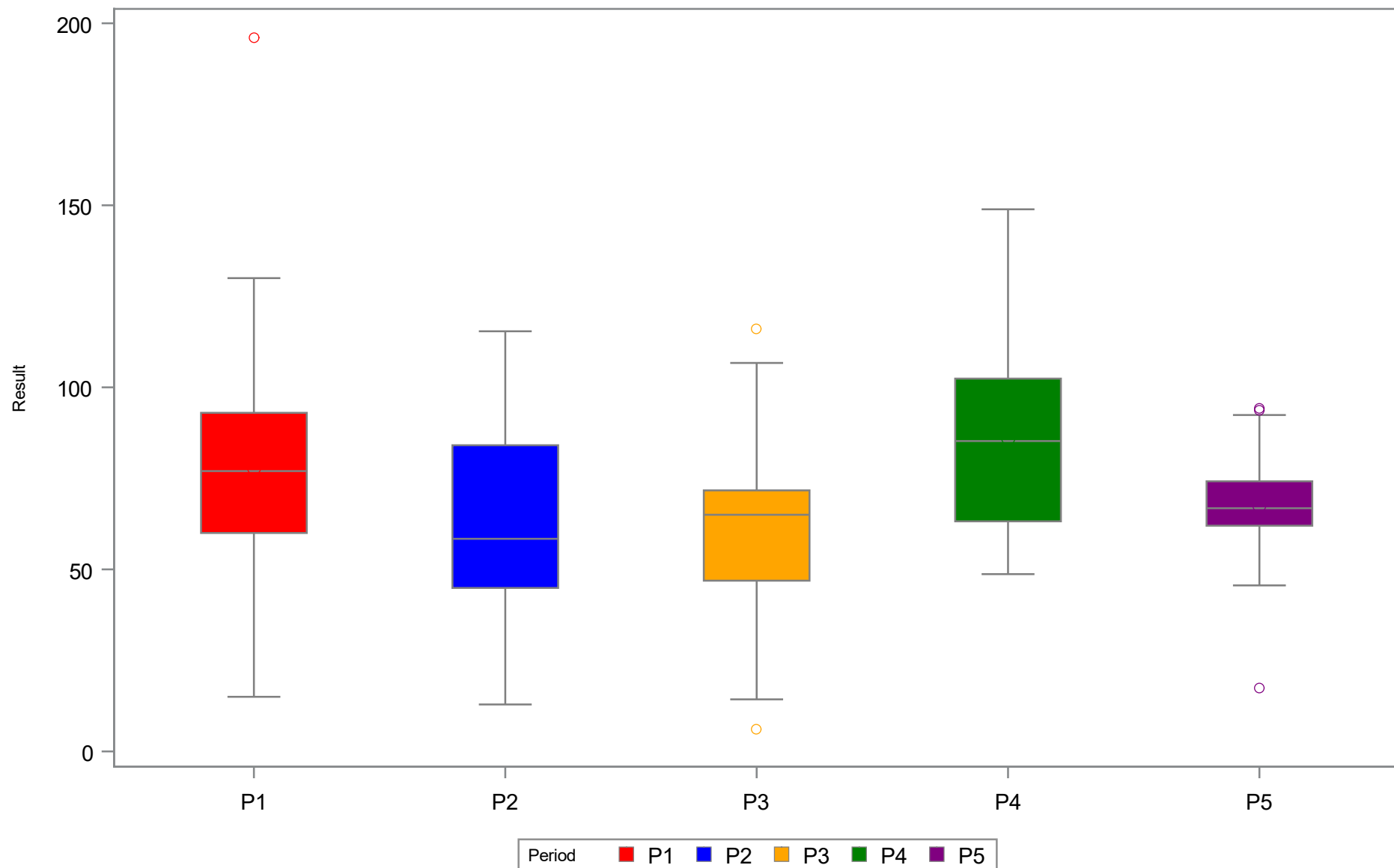
DRAFT Distributional Statistics by Period for Upper Hillsborough River Midwater Dissolved Oxygen Percent Saturation (%)

	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	28	48.70	63.20	86.06	85.25	102.40	148.90
P5	33	17.40	62.00	67.70	66.80	74.20	94.30

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

DRAFT

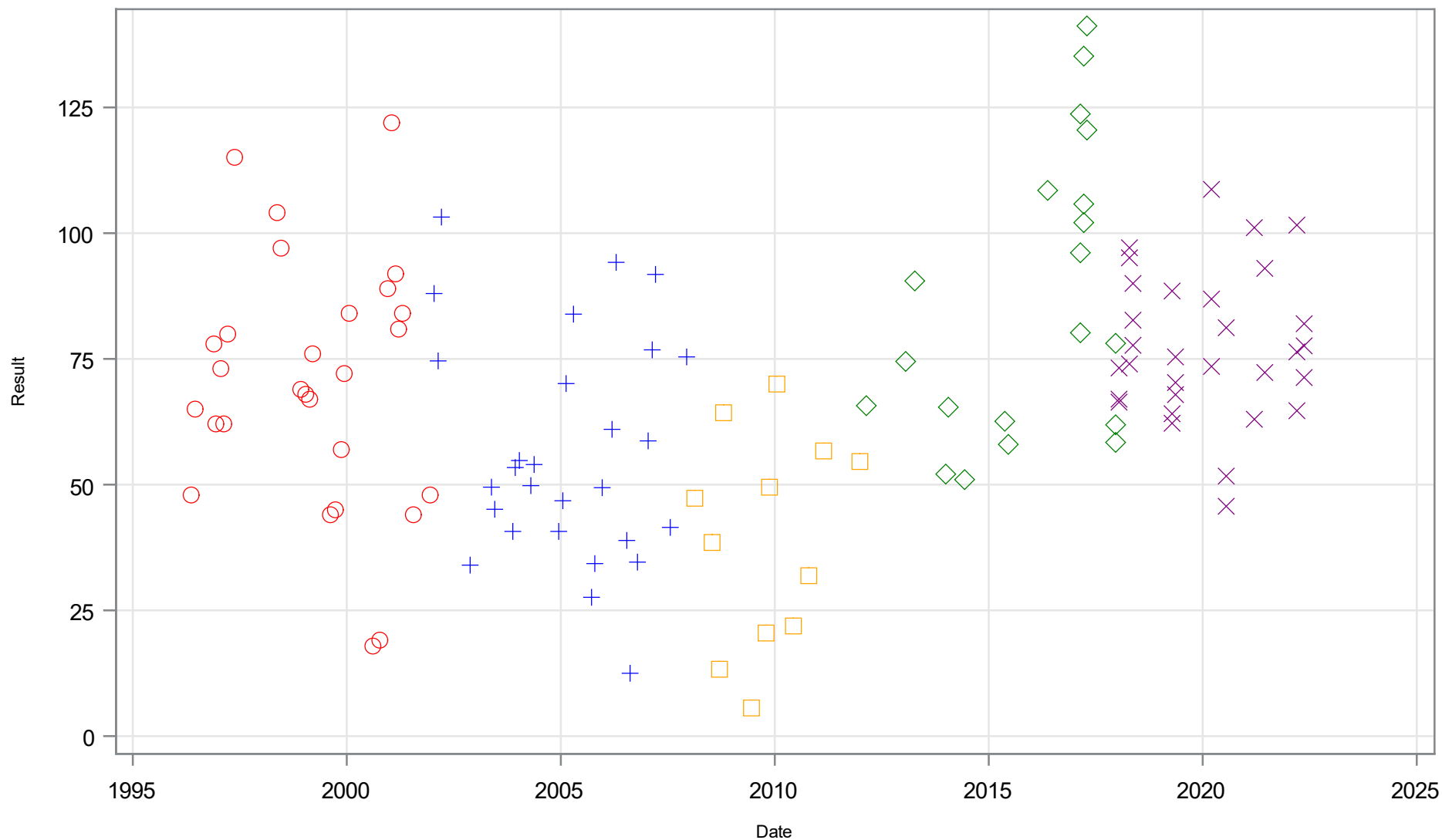
Boxplot by MFL Period for Upper Hillsborough River Midwater Dissolved Oxygen Percent Saturation (%)



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

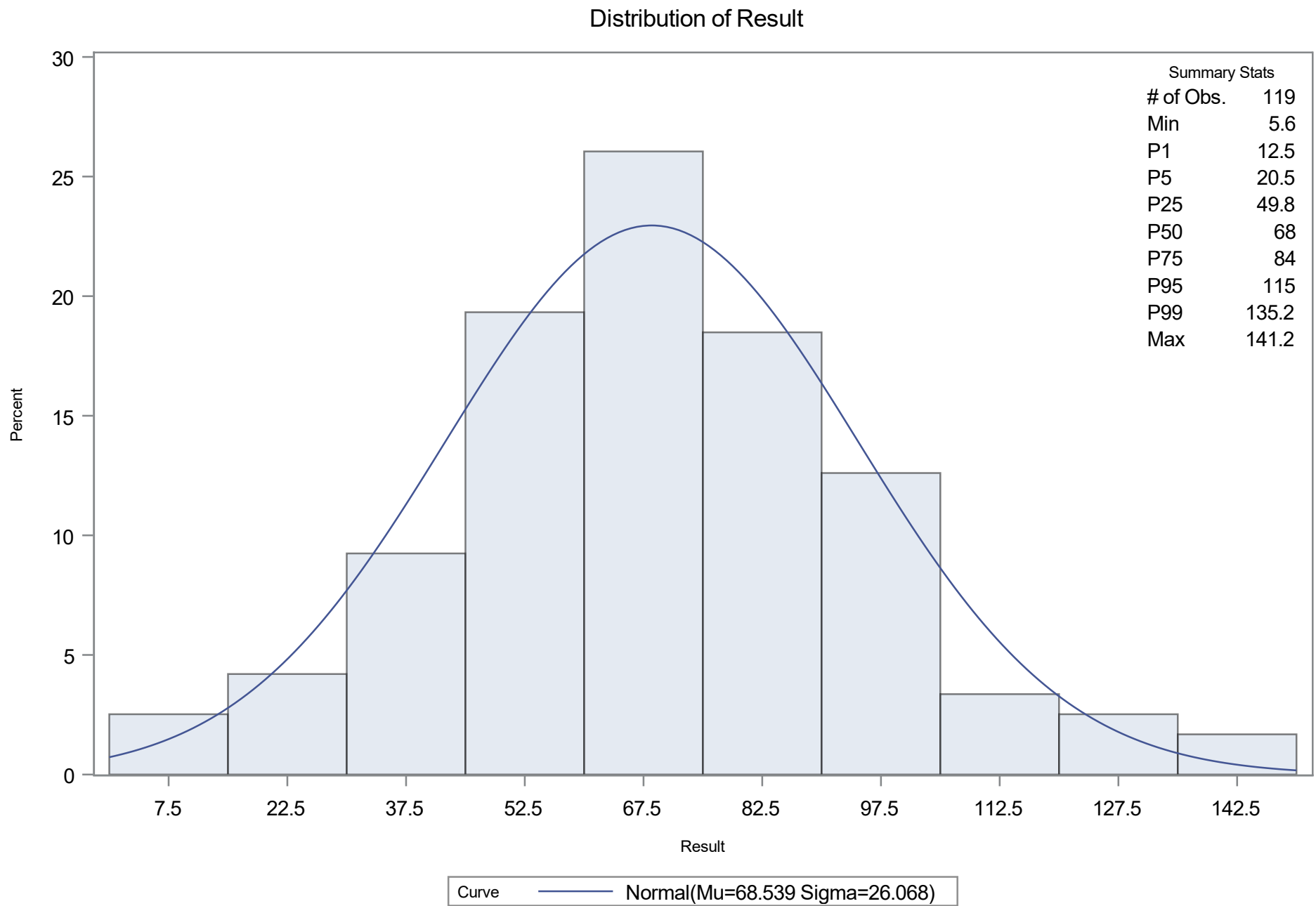
DRAFT

Timeseries of Upper Hillsborough River Surface Dissolved Oxygen Percent Saturation (%)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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



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

DRAFT Univariate Histogram of Upper Hillsborough River Surface Dissolved Oxygen Percent Saturation (%)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	68.5395
Std Dev	Sigma	26.0679

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.04597691	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.02668640	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.18316062	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	12.5000	7.89650
5.0	20.5000	25.66162
10.0	34.6000	35.13214
25.0	49.8000	50.95697
50.0	68.0000	68.53950
75.0	84.0000	86.12203
90.0	102.1000	101.94685
95.0	115.0000	111.41737
99.0	135.2000	129.18249

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

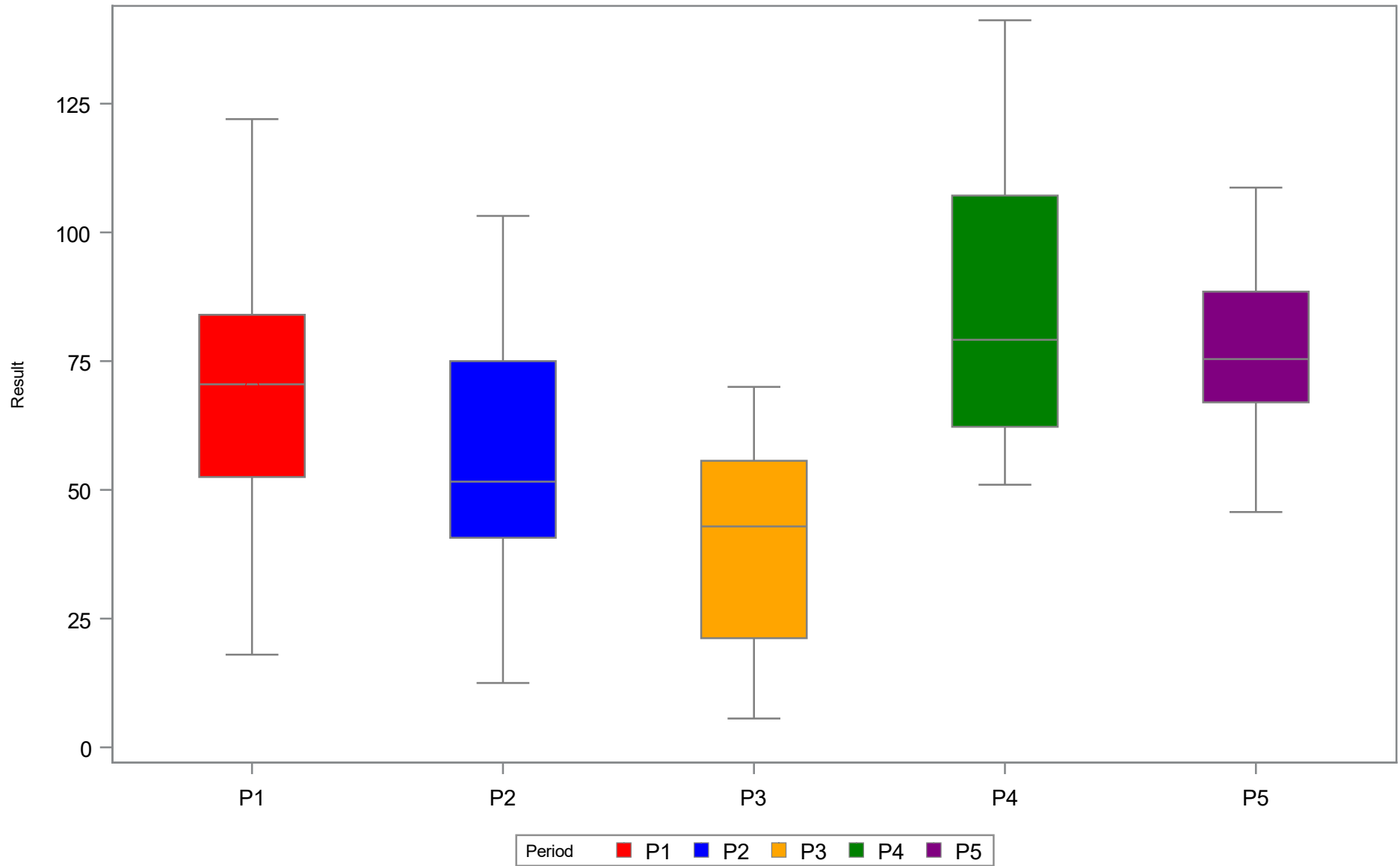
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Dissolved Oxygen Percent Saturation (%)

	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	20	51.00	62.25	86.58	79.15	107.15	141.20
P5	31	45.70	67.00	77.49	75.40	88.50	108.70

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

DRAFT

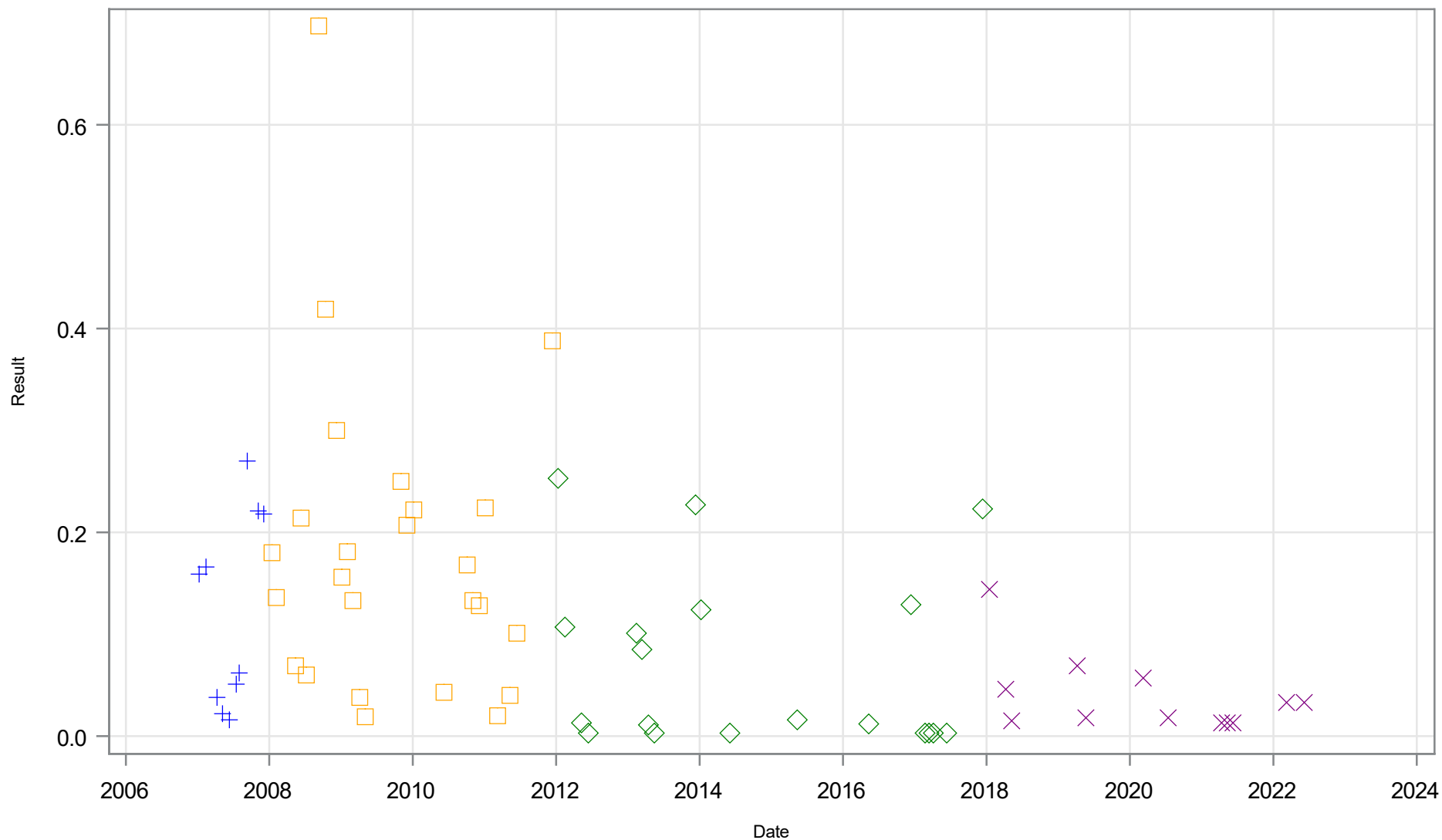
Boxplot by MFL Period for Upper Hillsborough River Surface Dissolved Oxygen Percent Saturation (%)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Nitrate-Nitrite (mg/l)



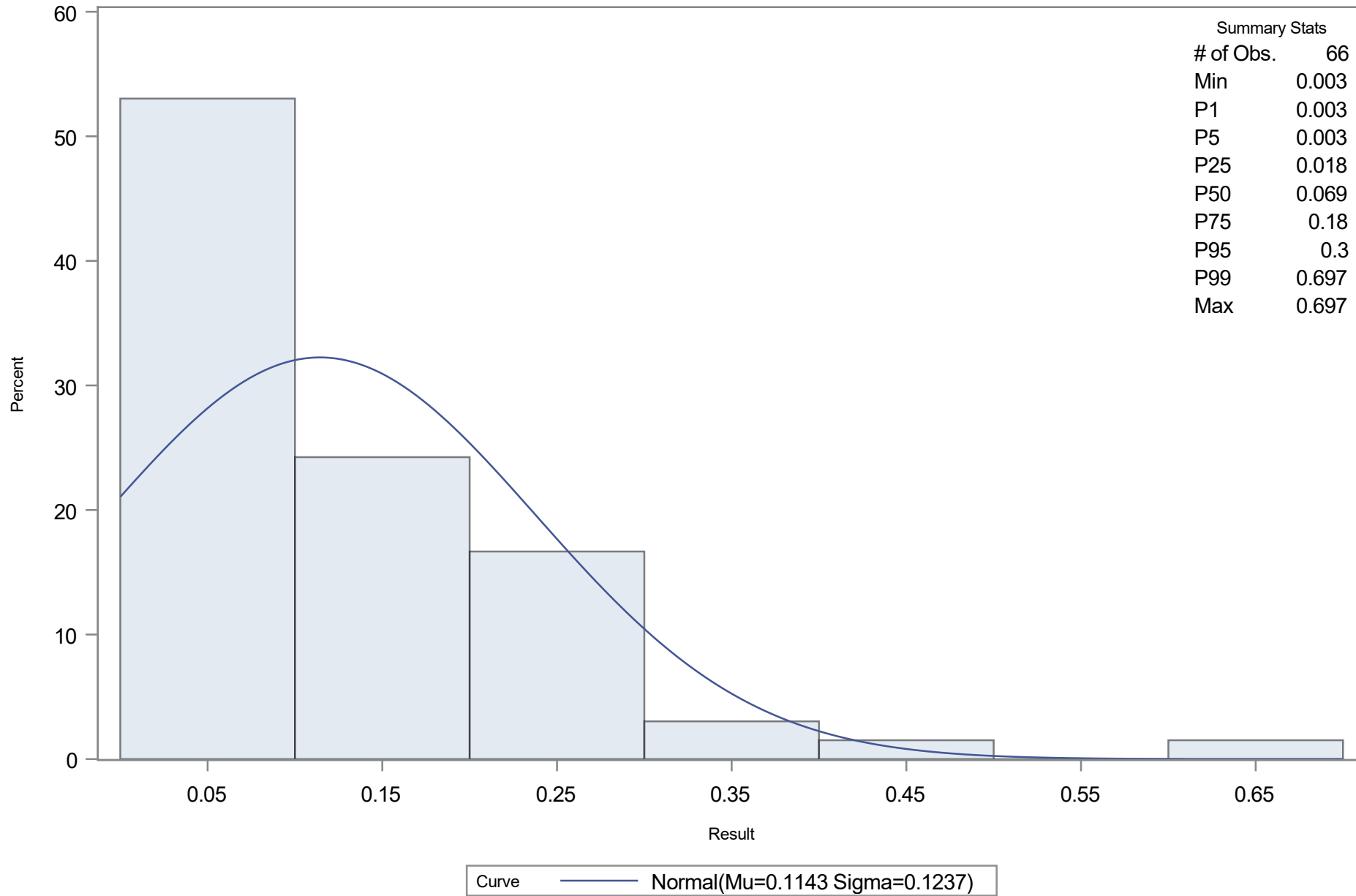
Period + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Nitrate-Nitrite (mg/l)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Surface Nitrate-Nitrite (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.114288
Std Dev	Sigma	0.123706

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18416202	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.46422349	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.98458020	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00300	-0.17349
5.0	0.00300	-0.08919
10.0	0.00300	-0.04425
25.0	0.01800	0.03085
50.0	0.06900	0.11429
75.0	0.18000	0.19773
90.0	0.25000	0.27282
95.0	0.30000	0.31777
99.0	0.69700	0.40207

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

DRAFT

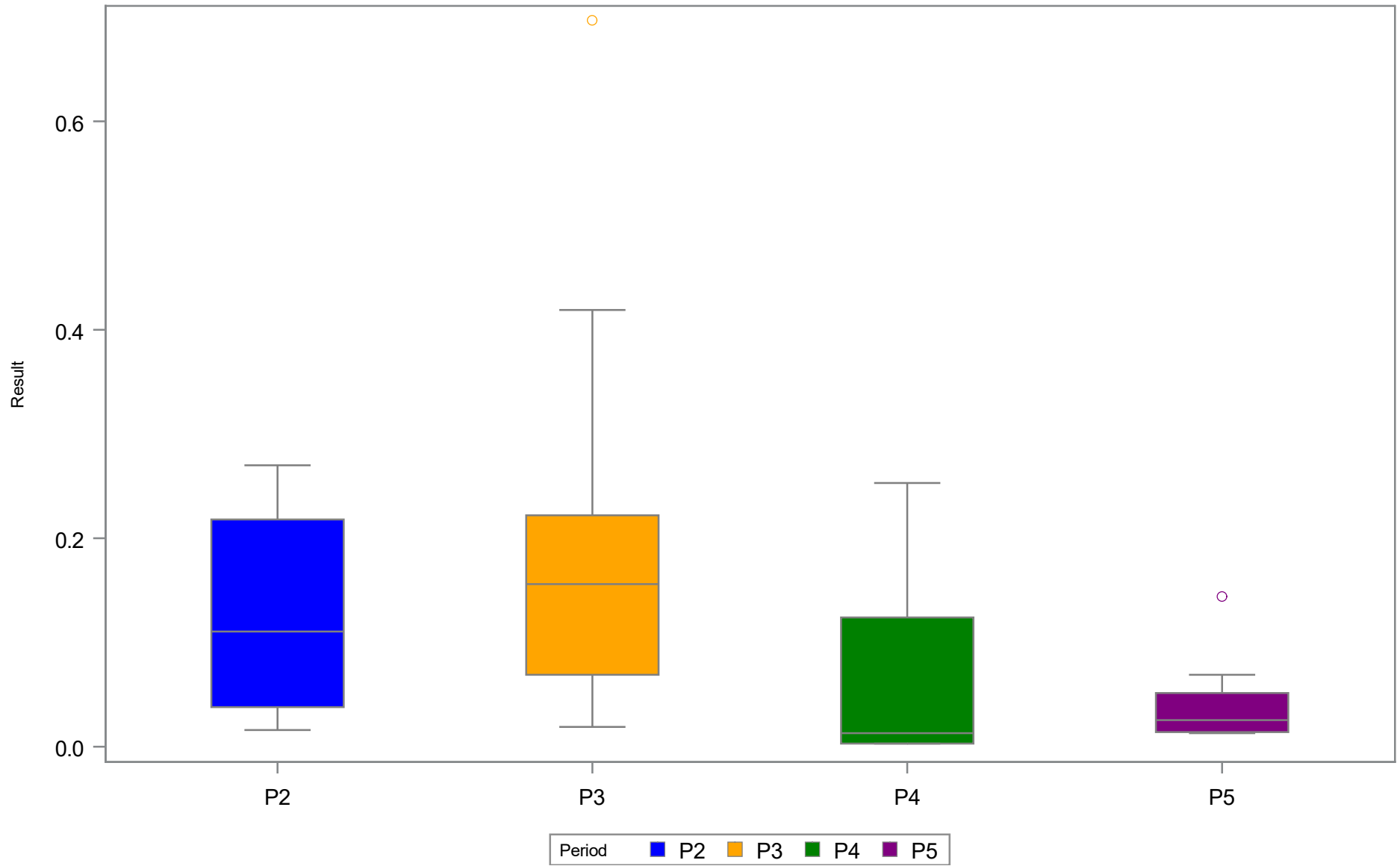
Distributional Statistics by Period for Sulphur Springs Run Surface Nitrate-Nitrite (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	10	0.02	0.04	0.12	0.11	0.22	0.27
P3	25	0.02	0.07	0.18	0.16	0.22	0.70
P4	19	0.00	0.00	0.07	0.01	0.12	0.25
P5	12	0.01	0.01	0.04	0.03	0.05	0.14

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

DRAFT

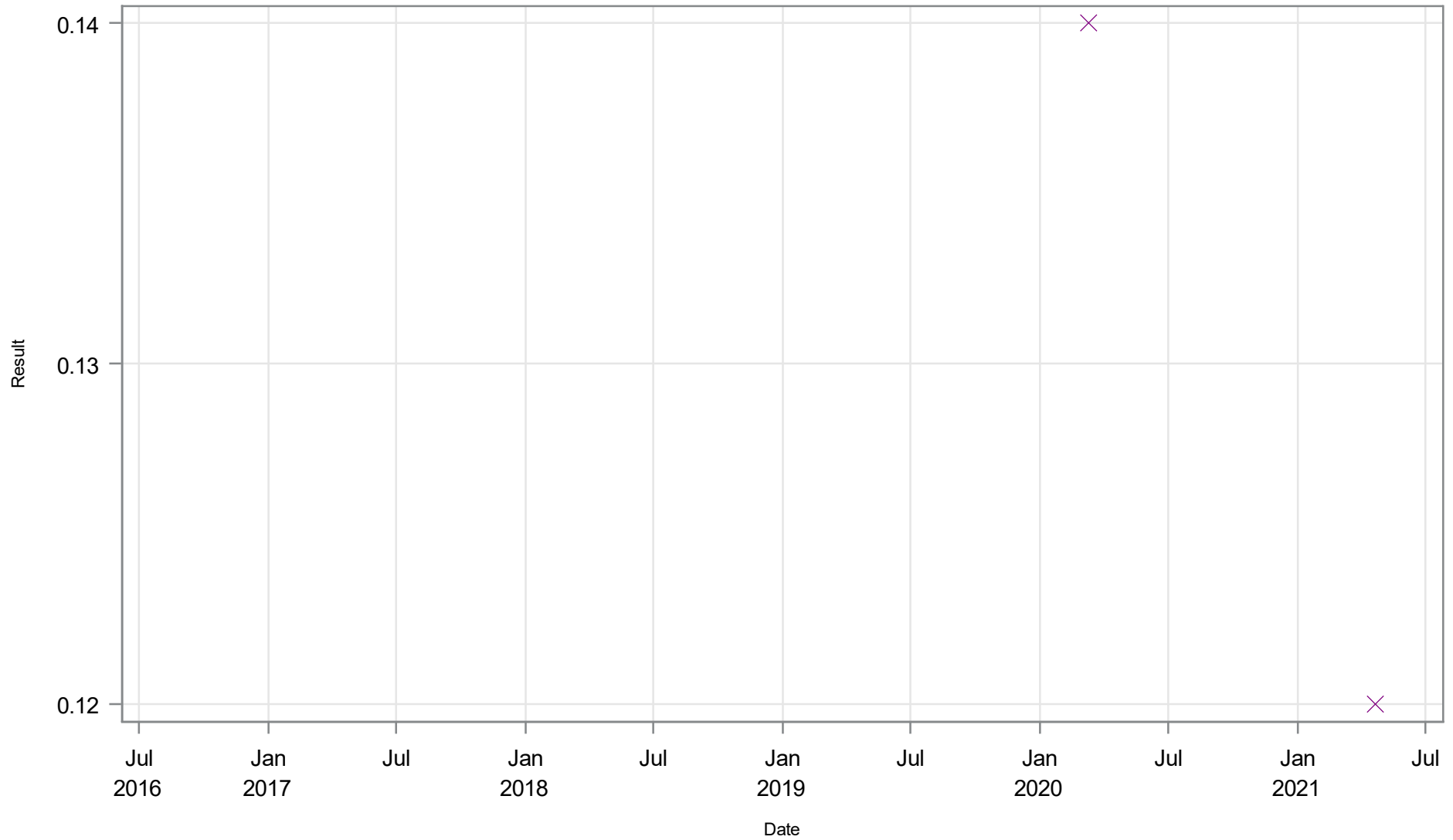
Boxplot by MFL Period for Sulphur Springs Run Surface Nitrate-Nitrite (mg/l)



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

DRAFT

Timeseries of Moris Bridge Sink Surface Nitrate-Nitrite (mg/l)



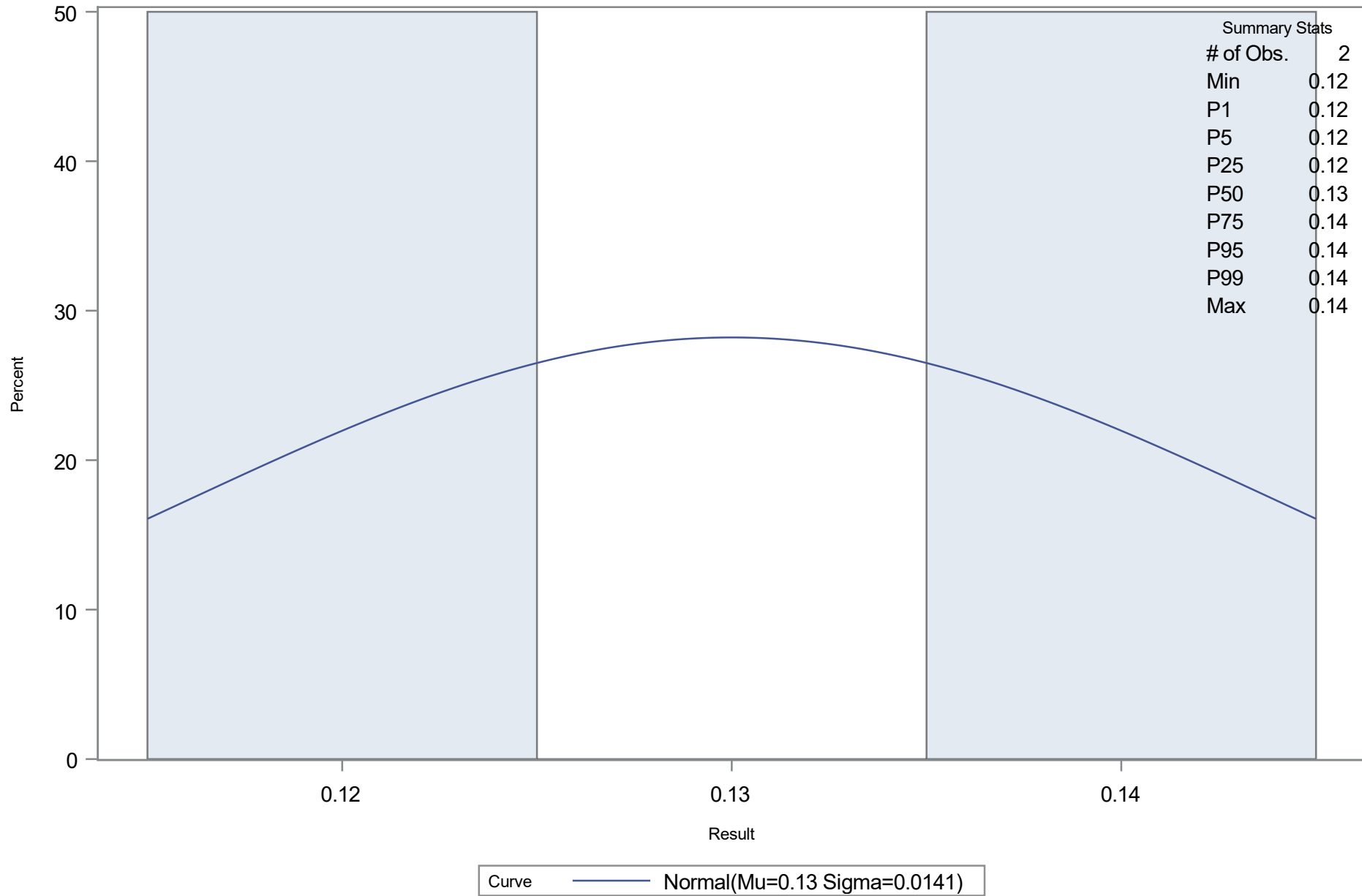
Period ◇ P4 × P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Nitrate-Nitrite (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Nitrate-Nitrite (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.13
Std Dev	Sigma	0.014142

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		
Percent	Quantile	
	Observed	Estimated
1.0	0.12000	0.09710
5.0	0.12000	0.10674
10.0	0.12000	0.11188
25.0	0.12000	0.12046
50.0	0.13000	0.13000
75.0	0.14000	0.13954
90.0	0.14000	0.14812
95.0	0.14000	0.15326
99.0	0.14000	0.16290

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

DRAFT

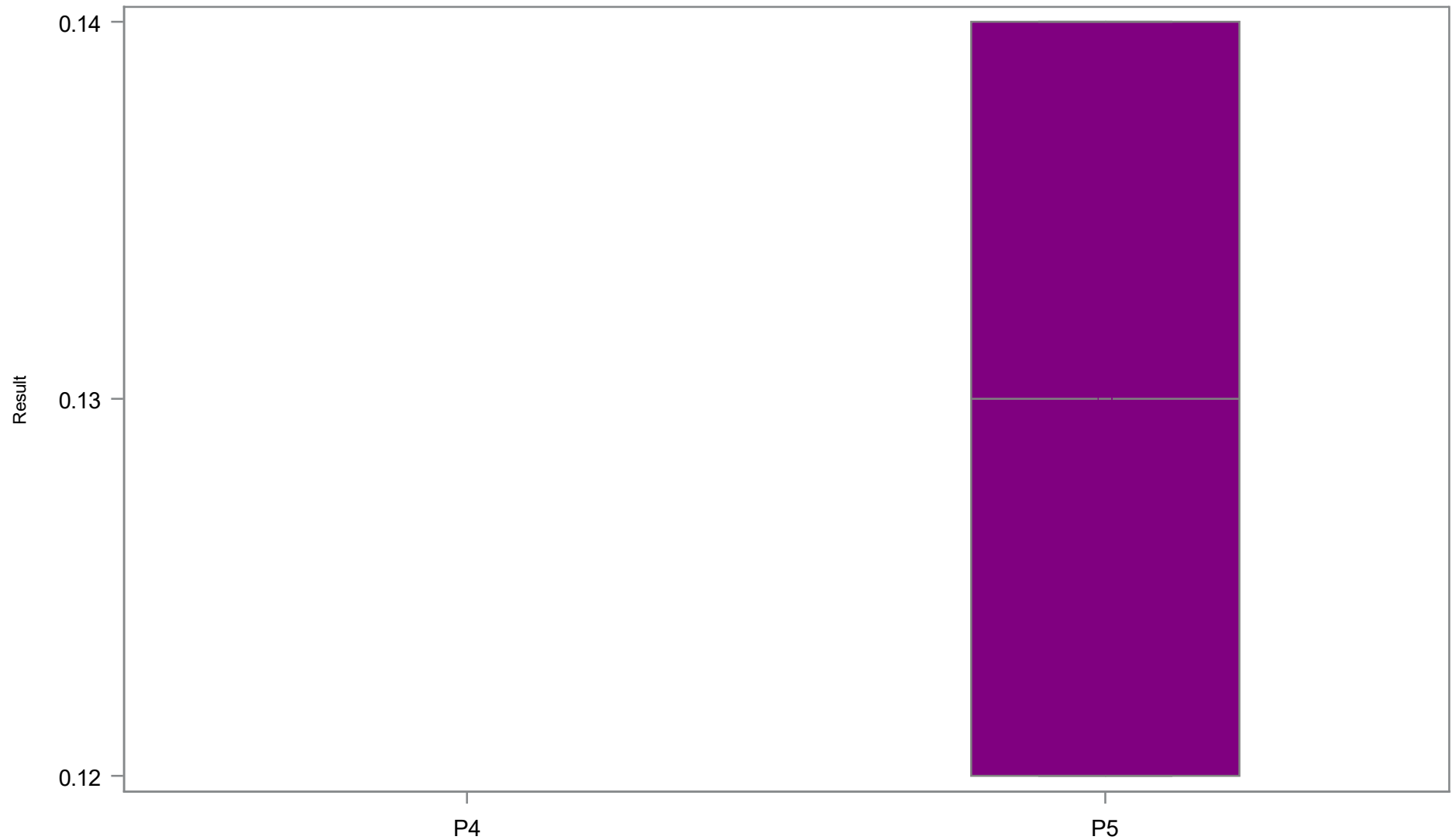
Distributional Statistics by Period for Moris Bridge Sink Surface Nitrate-Nitrite (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	2	0.12	0.12	0.13	0.13	0.14	0.14

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Nitrate-Nitrite (mg/l)

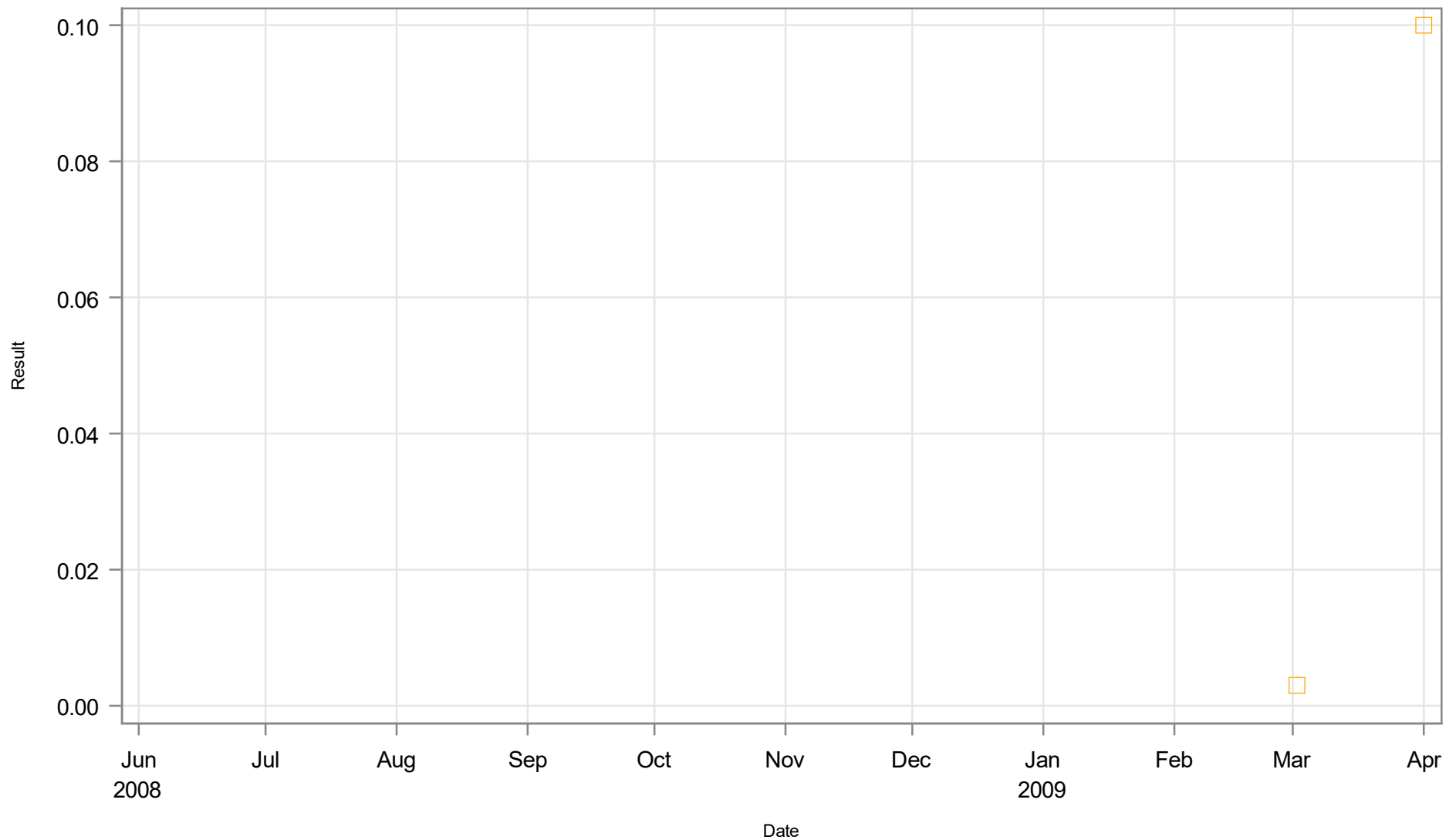


Period ■ P4 ■ P5

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

DRAFT

Timeseries of Surface Nitrate-Nitrite (mg/l)



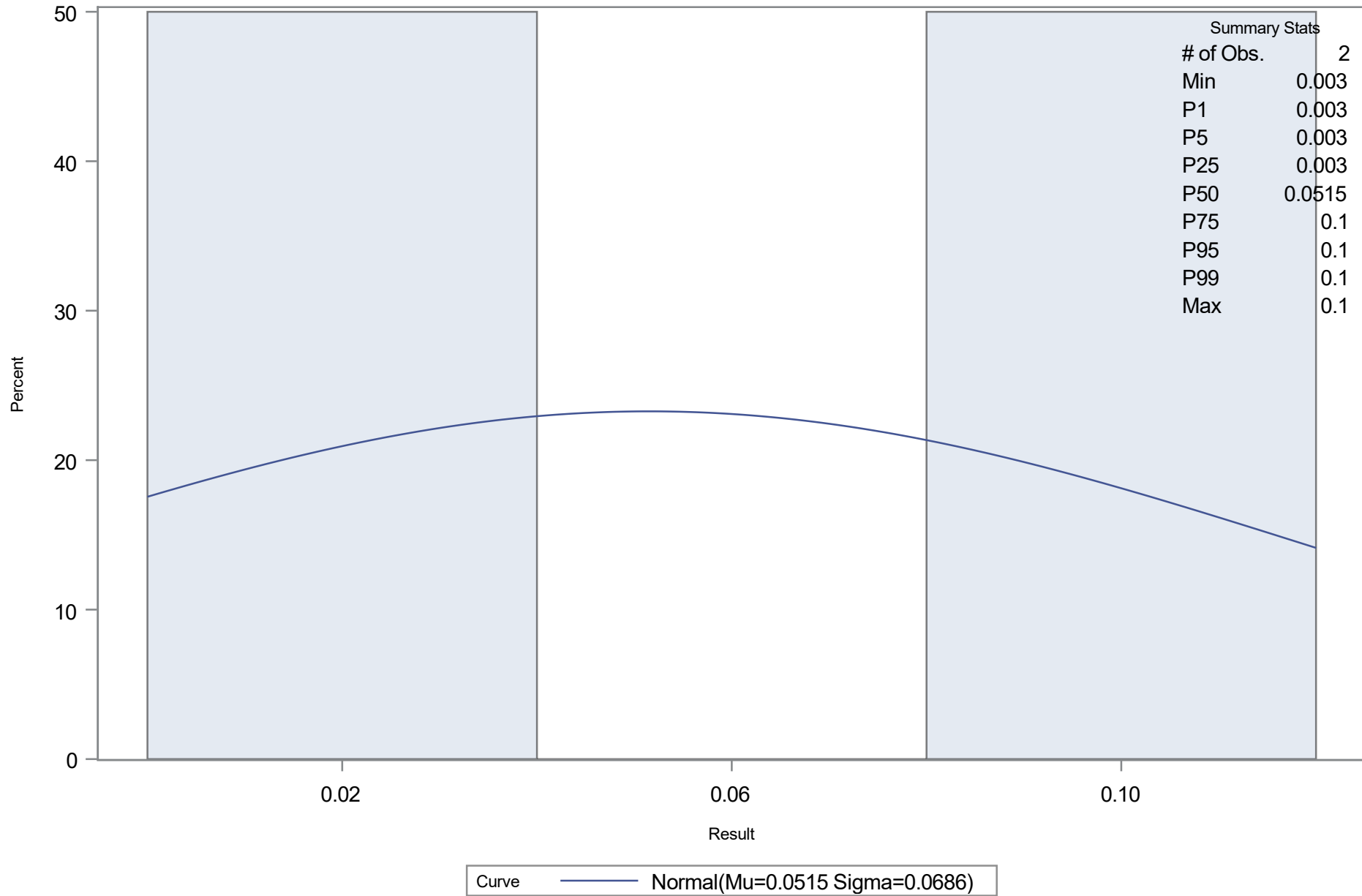
Period P3

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

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Nitrate-Nitrite (mg/l)

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		
Percent	Quantile	
	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

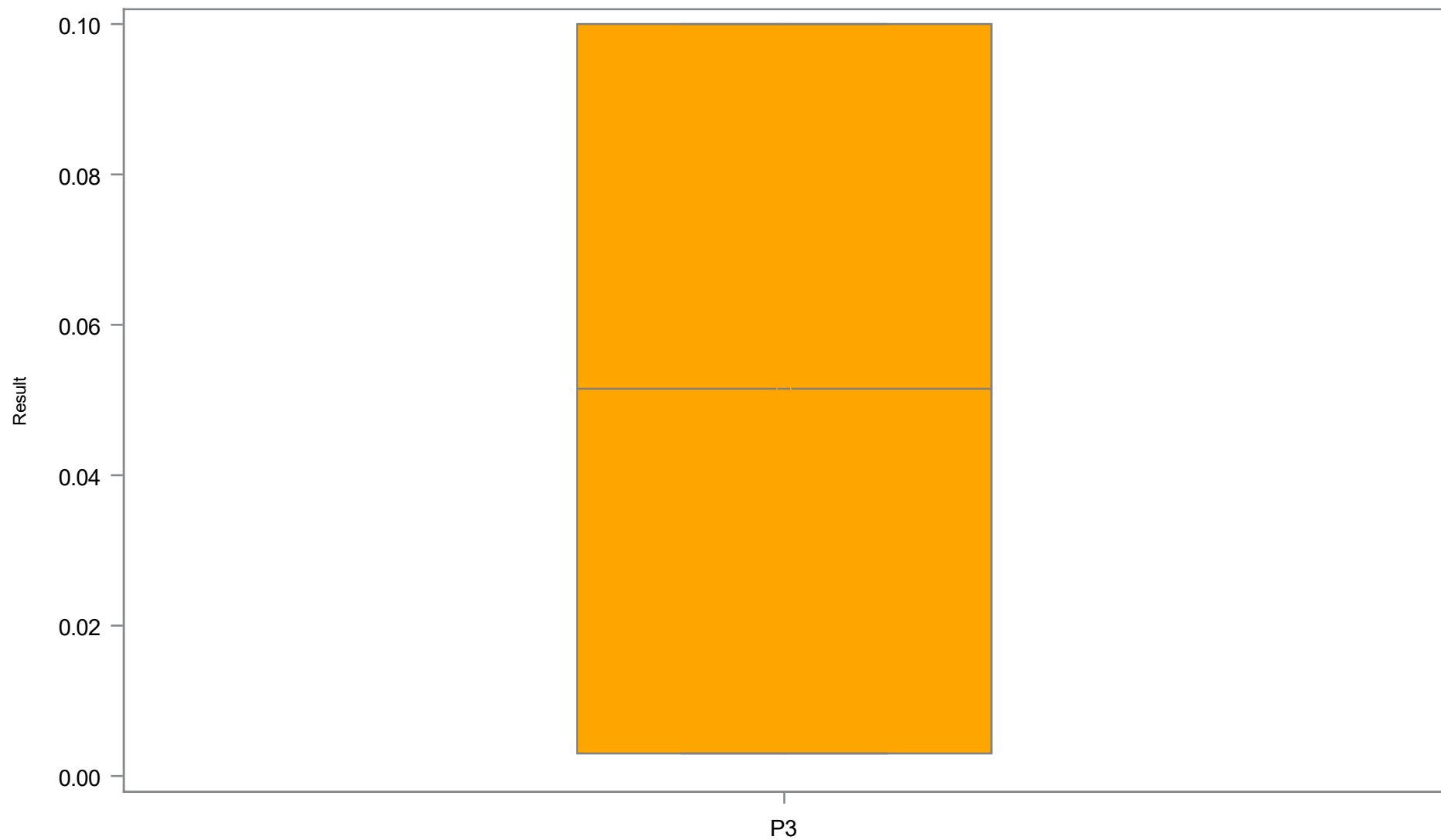
Distributional Statistics by Period for Surface Nitrate-Nitrite (mg/l)

	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)

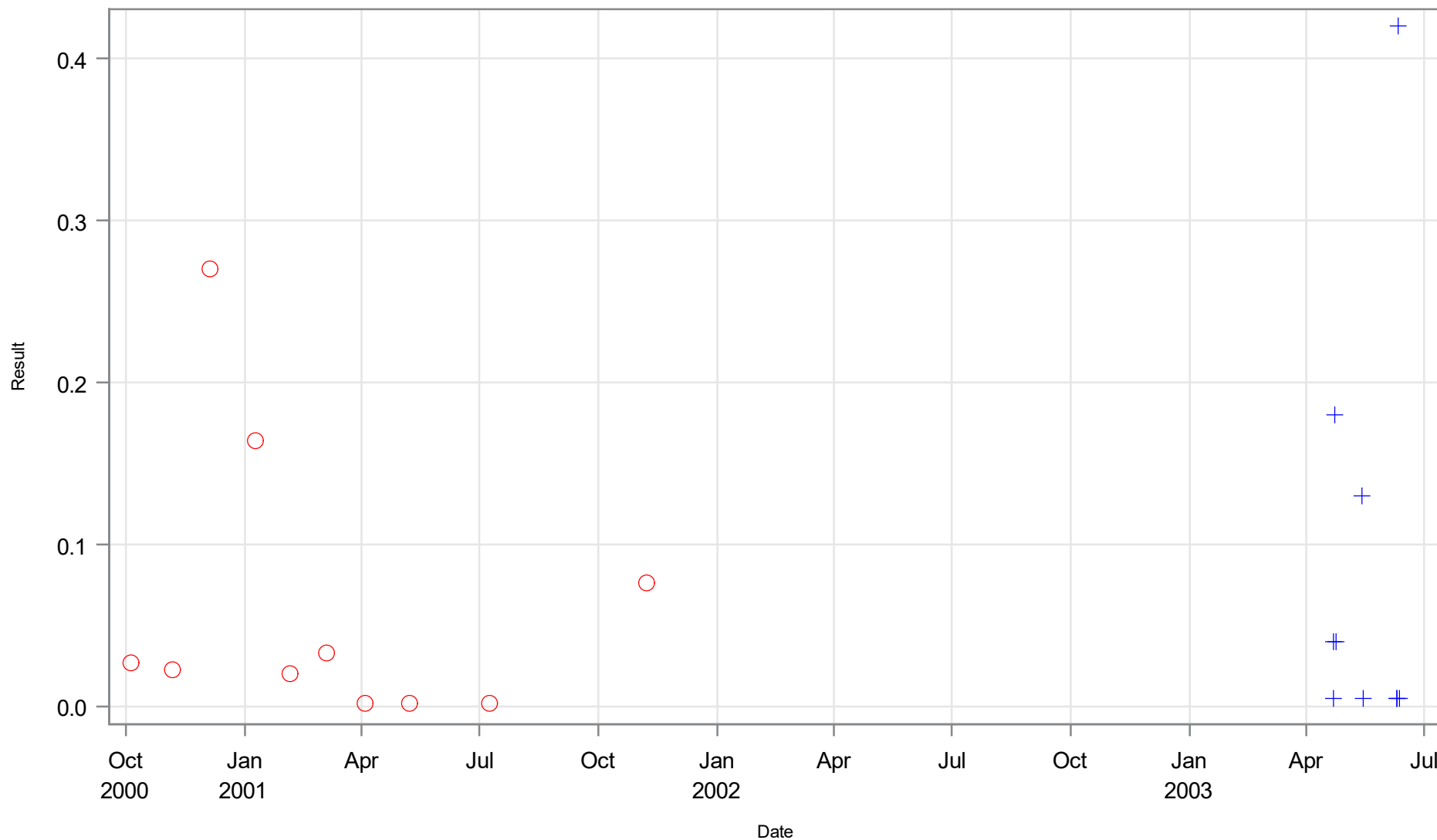


Period ■ P3

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

DRAFT

Timeseries of Hillsborough River Reservoir Bottom Nitrate-Nitrite (mg/l)



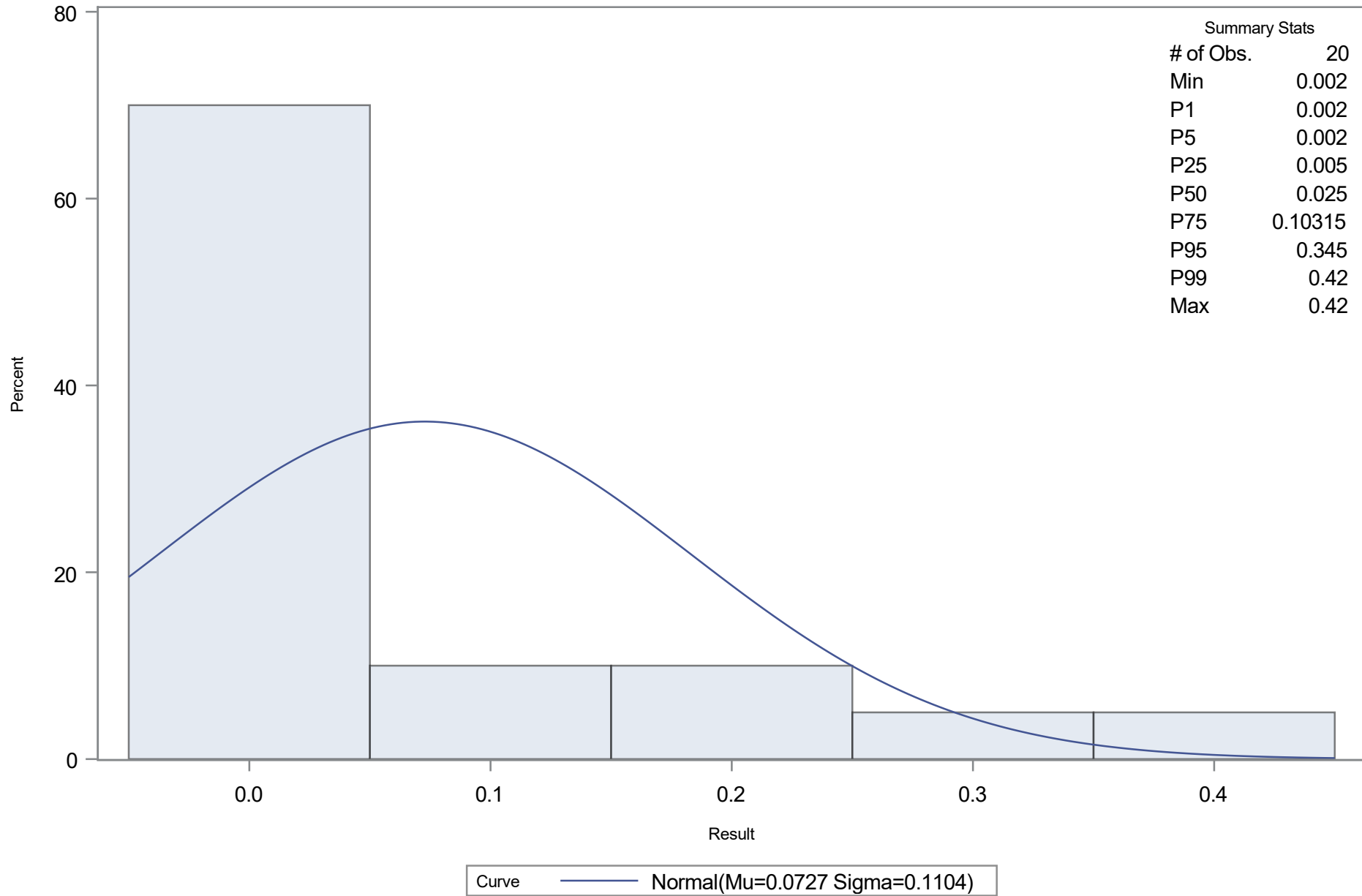
Period ○ P1 + P2

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Bottom Nitrate-Nitrite (mg/l)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Bottom Nitrate-Nitrite (mg/l)

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		
Percent	Quantile	
	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

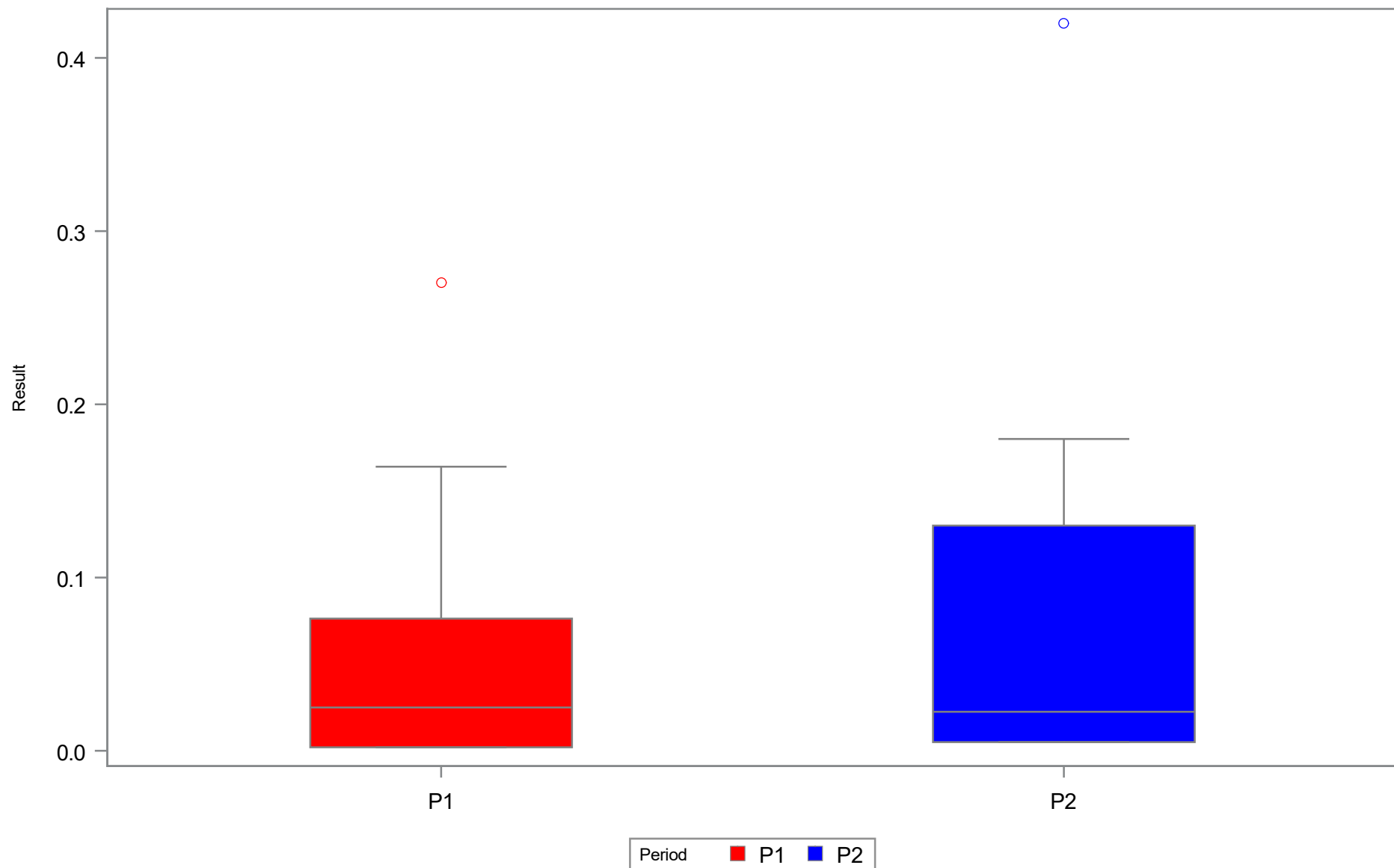
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Nitrate-Nitrite (mg/l)

	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

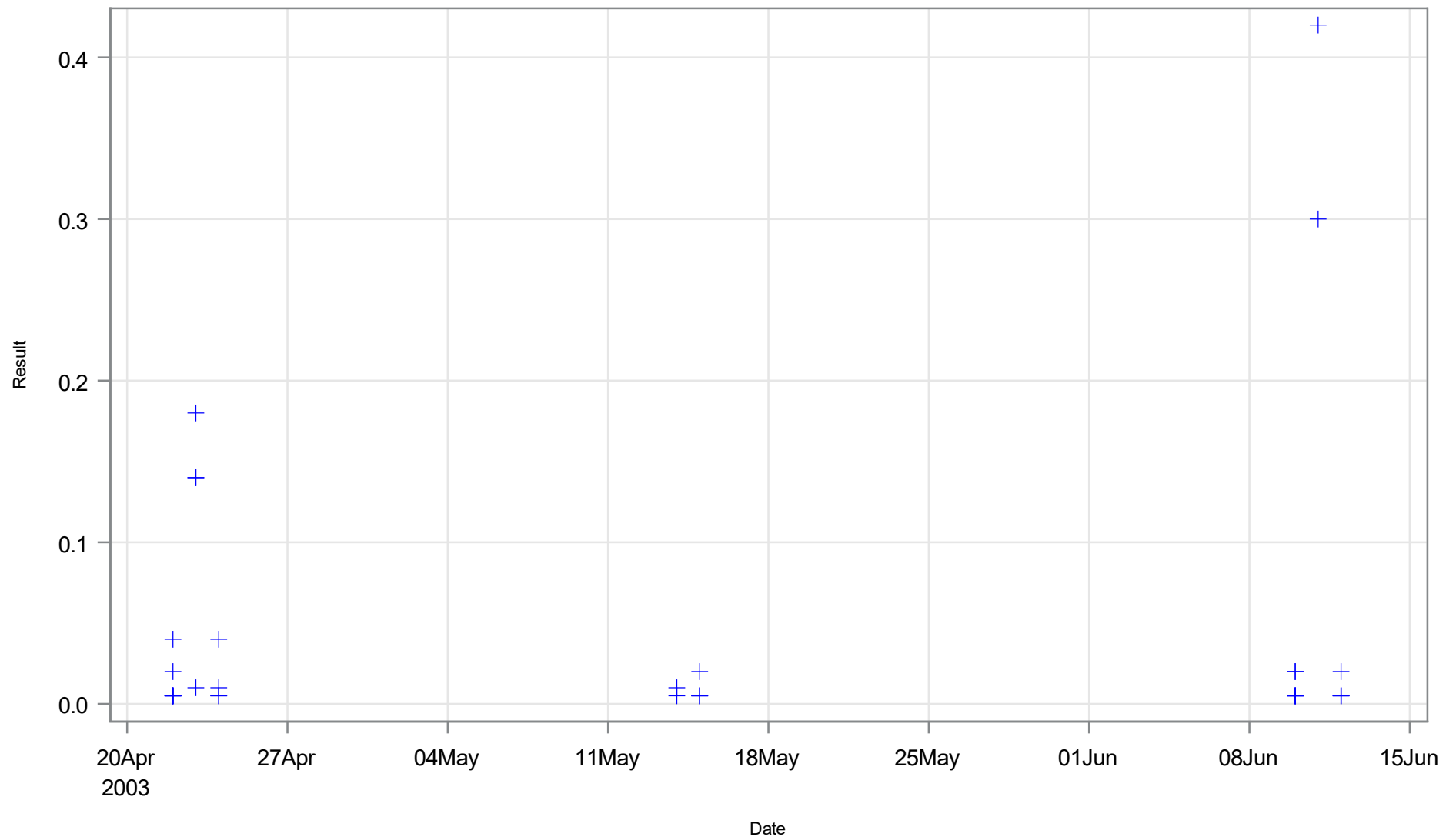
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Nitrate-Nitrite (mg/l)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater Nitrate-Nitrite (mg/l)



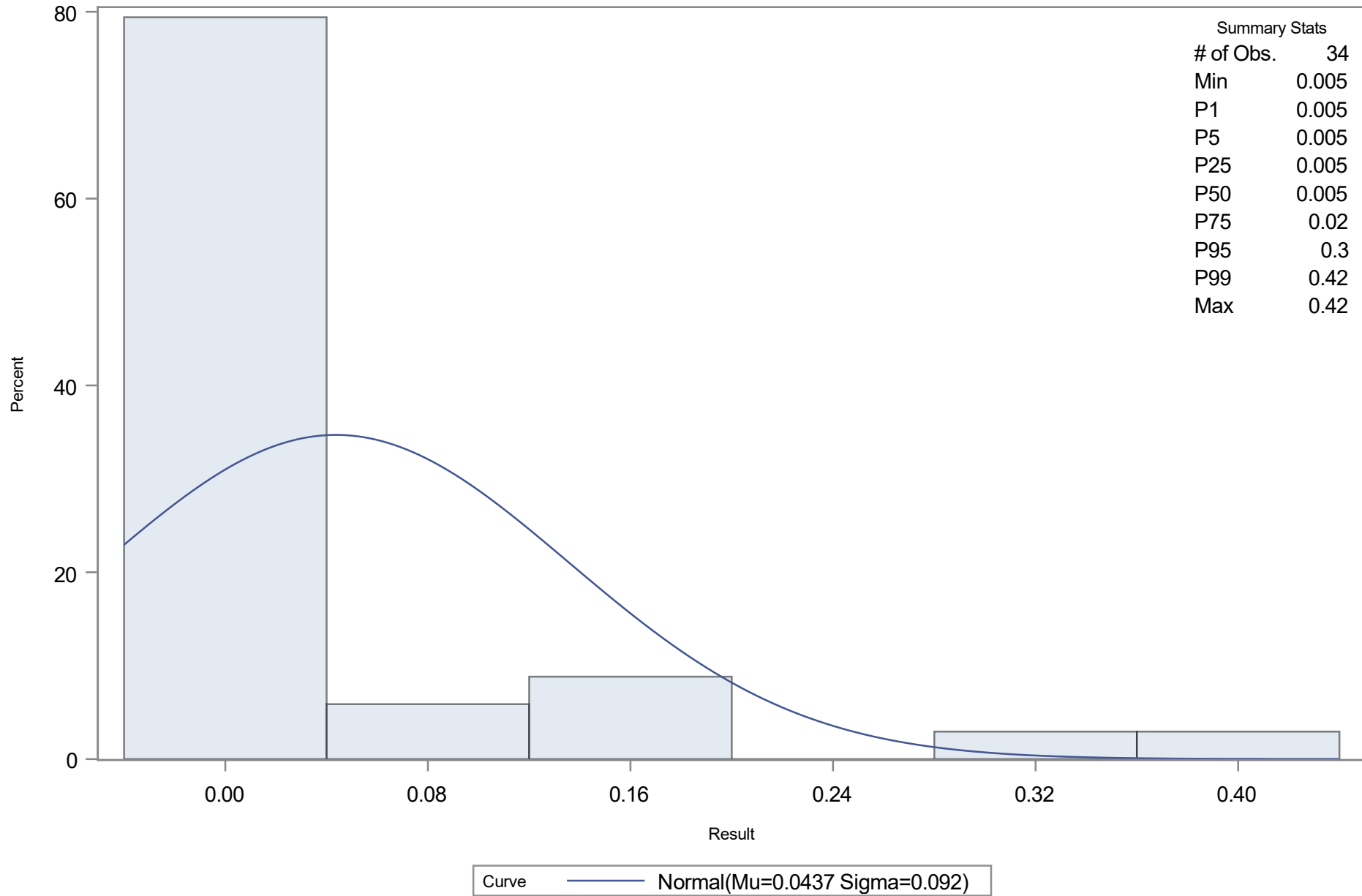
Period + P2

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Midwater Nitrate-Nitrite (mg/l)

Distribution of Result



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

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		
Percent	Quantile	
	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**

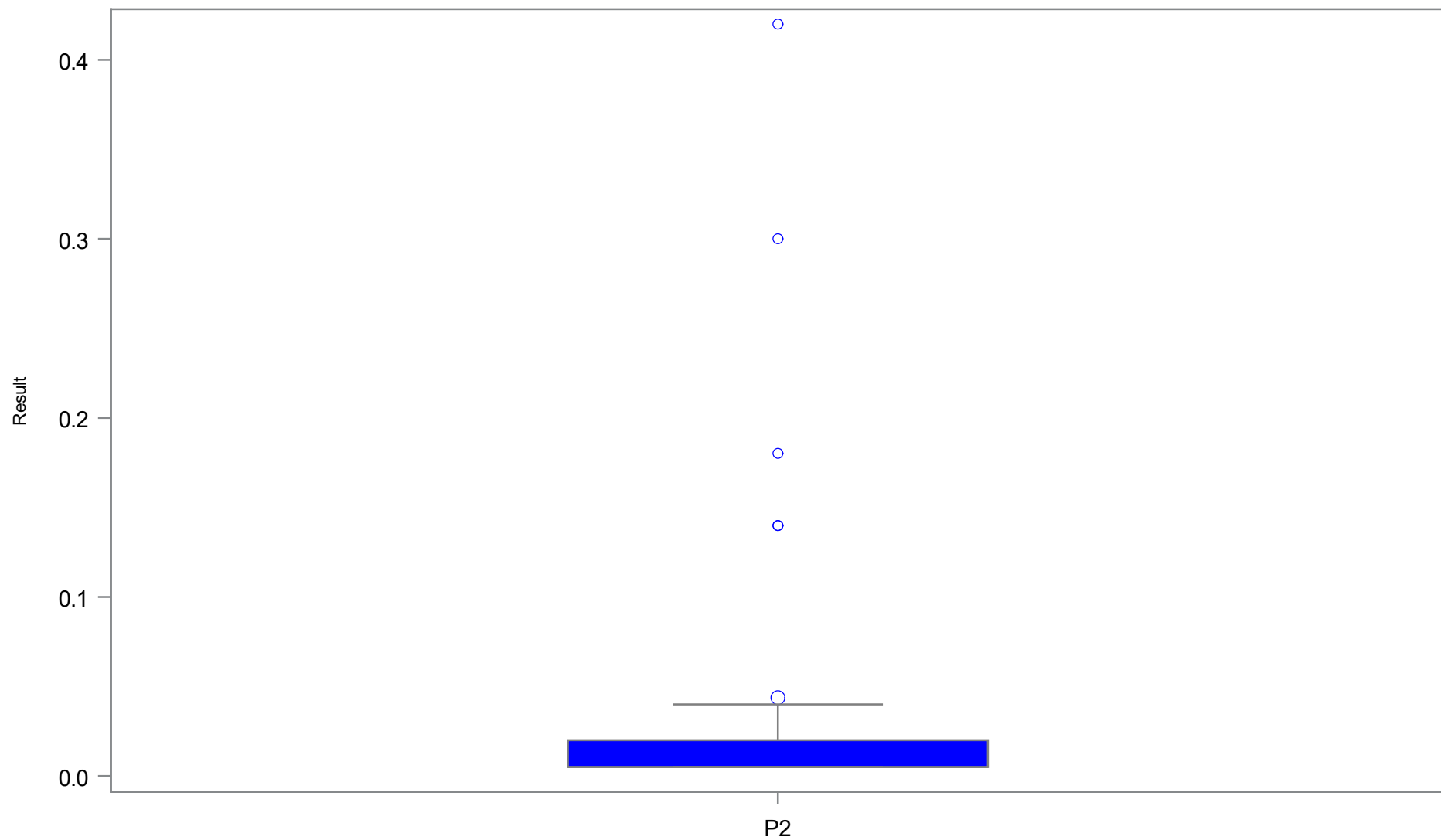
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Nitrate-Nitrite (mg/l)

	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 Hillsborough River Reservoir Midwater Nitrate-Nitrite (mg/l)

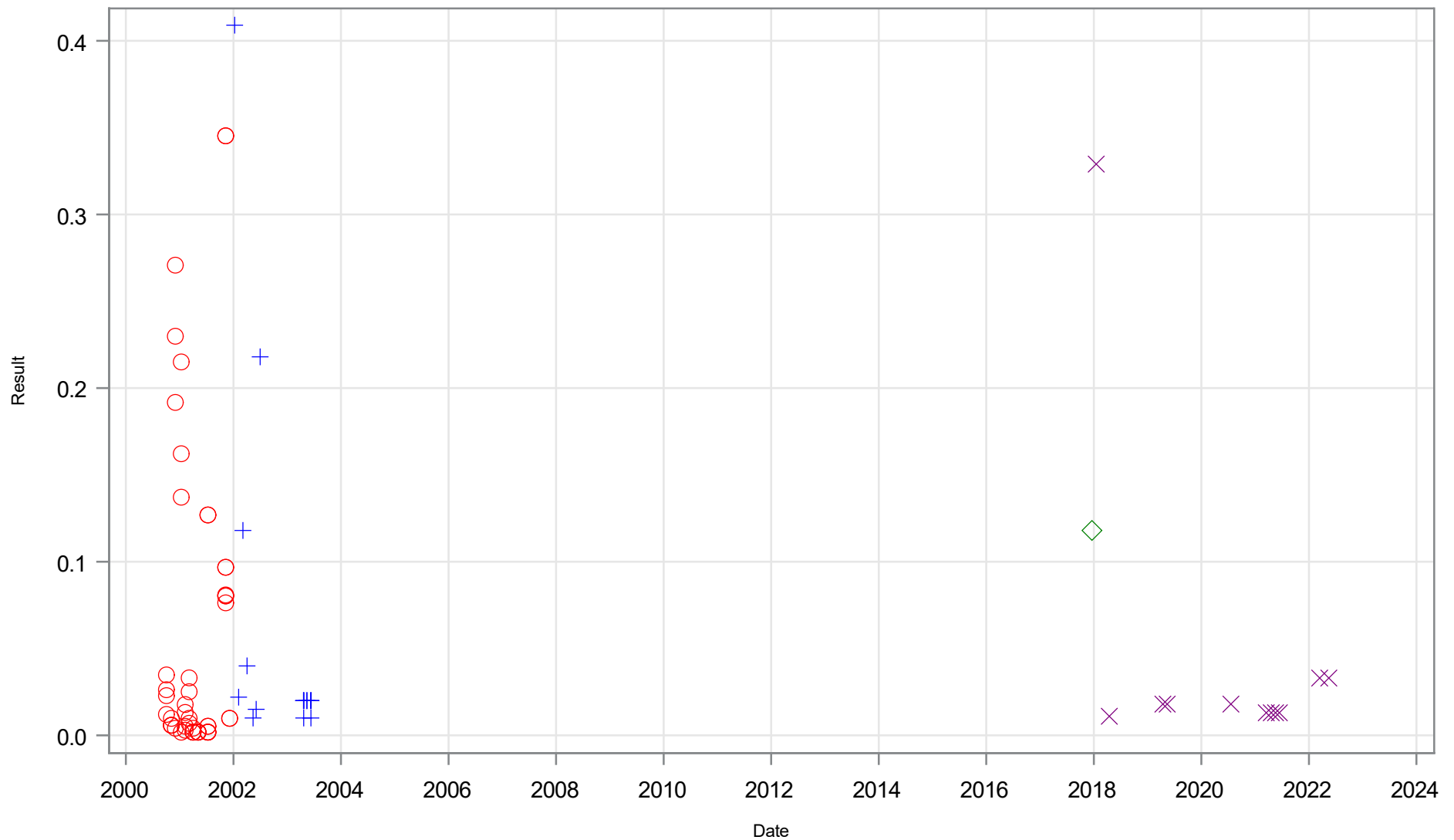


Period ■ P2

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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Nitrate-Nitrite (mg/l)

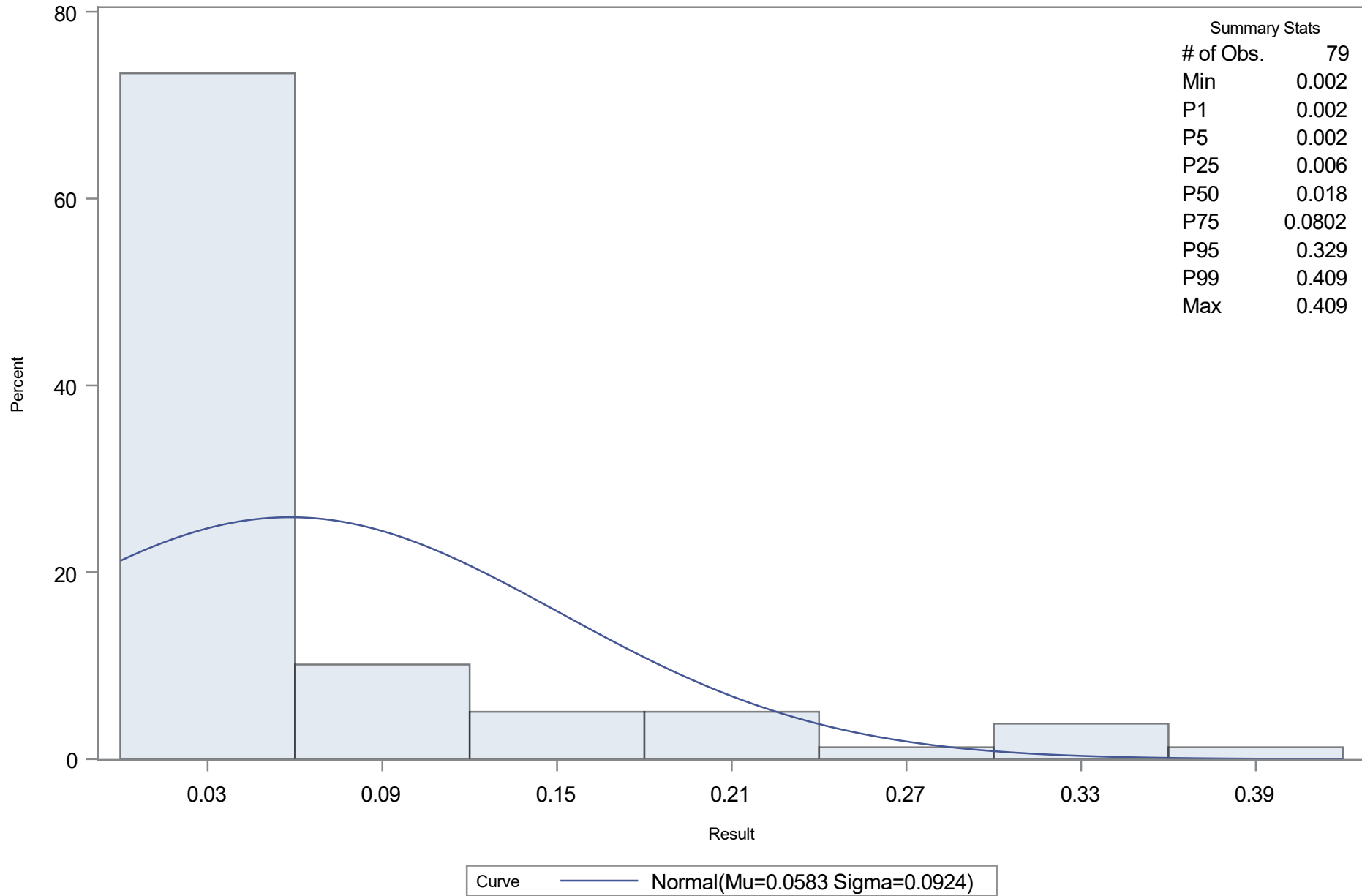


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Hillsborough River Reservoir Surface Nitrate-Nitrite (mg/l)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Surface Nitrate-Nitrite (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.05828
Std Dev	Sigma	0.092447

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.3209277	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.1671840	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	11.1859471	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00200	-0.15678
5.0	0.00200	-0.09378
10.0	0.00200	-0.06020
25.0	0.00600	-0.00407
50.0	0.01800	0.05828
75.0	0.08020	0.12063
90.0	0.21500	0.17676
95.0	0.32900	0.21034
99.0	0.40900	0.27334

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

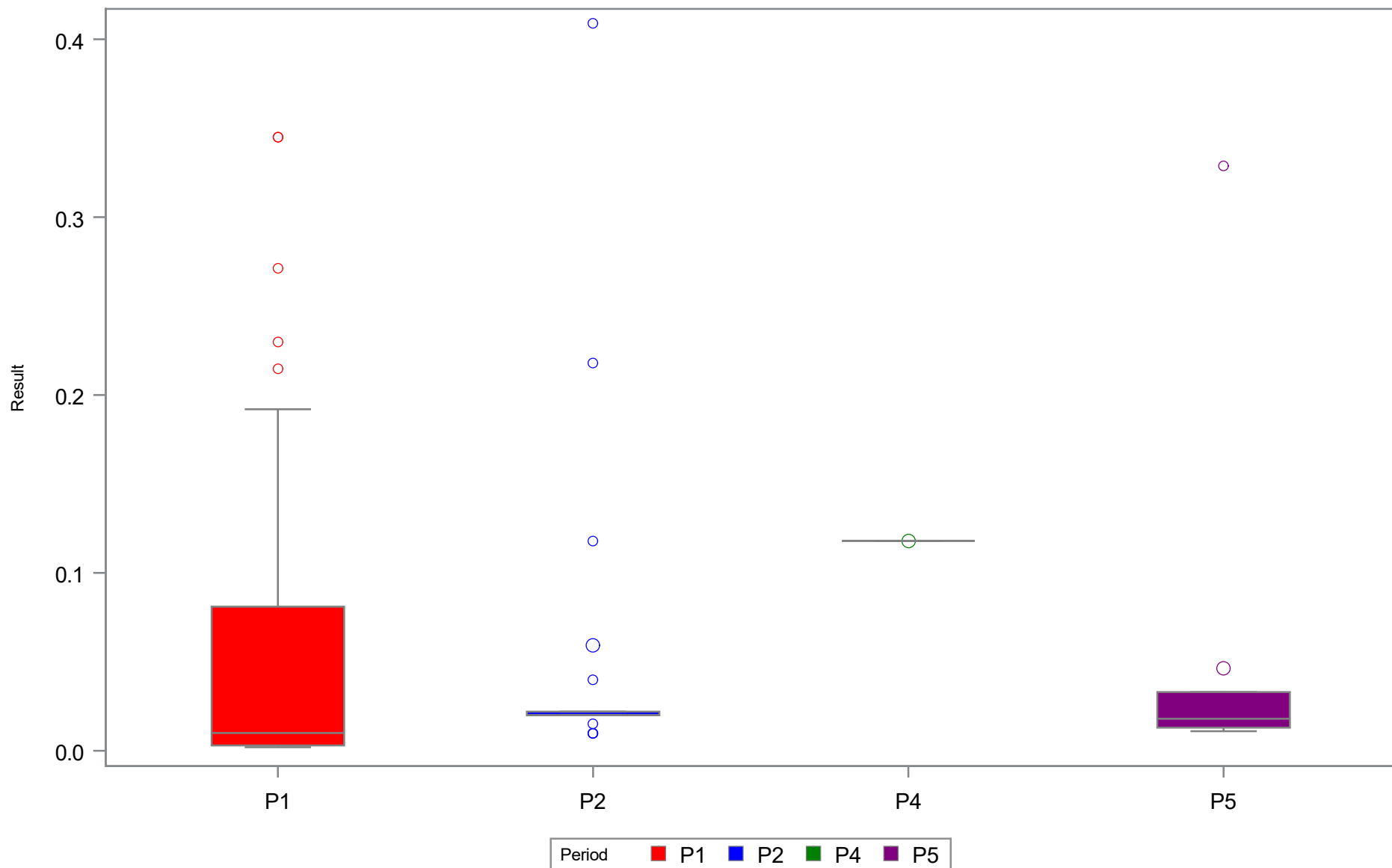
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Nitrate-Nitrite (mg/l)

	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	11	0.01	0.01	0.05	0.02	0.03	0.33

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

DRAFT

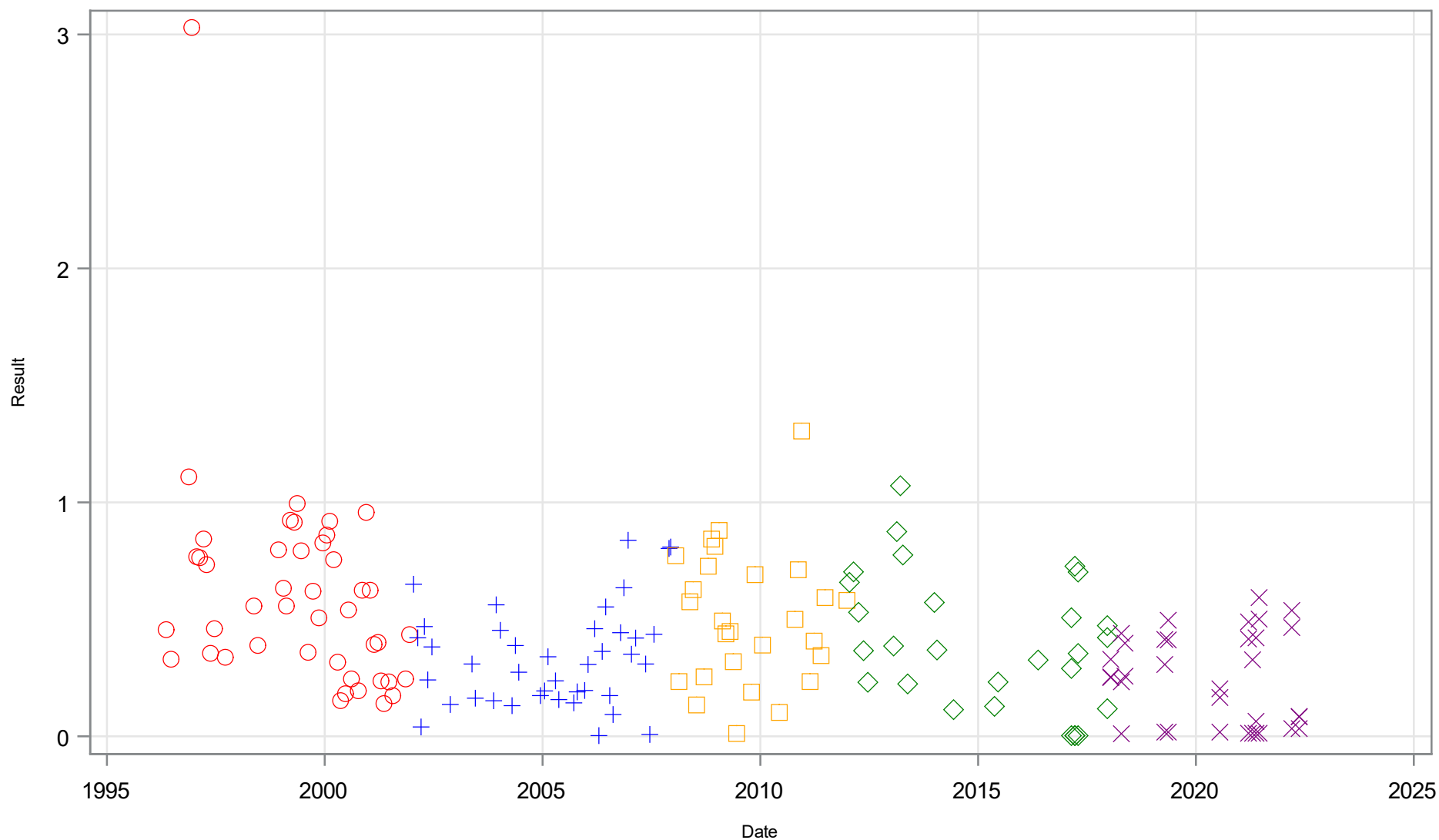
Boxplot by MFL Period for Hillsborough River Reservoir Surface Nitrate-Nitrite (mg/l)



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

DRAFT

Timeseries of Upper Hillsborough River Surface Nitrate-Nitrite (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

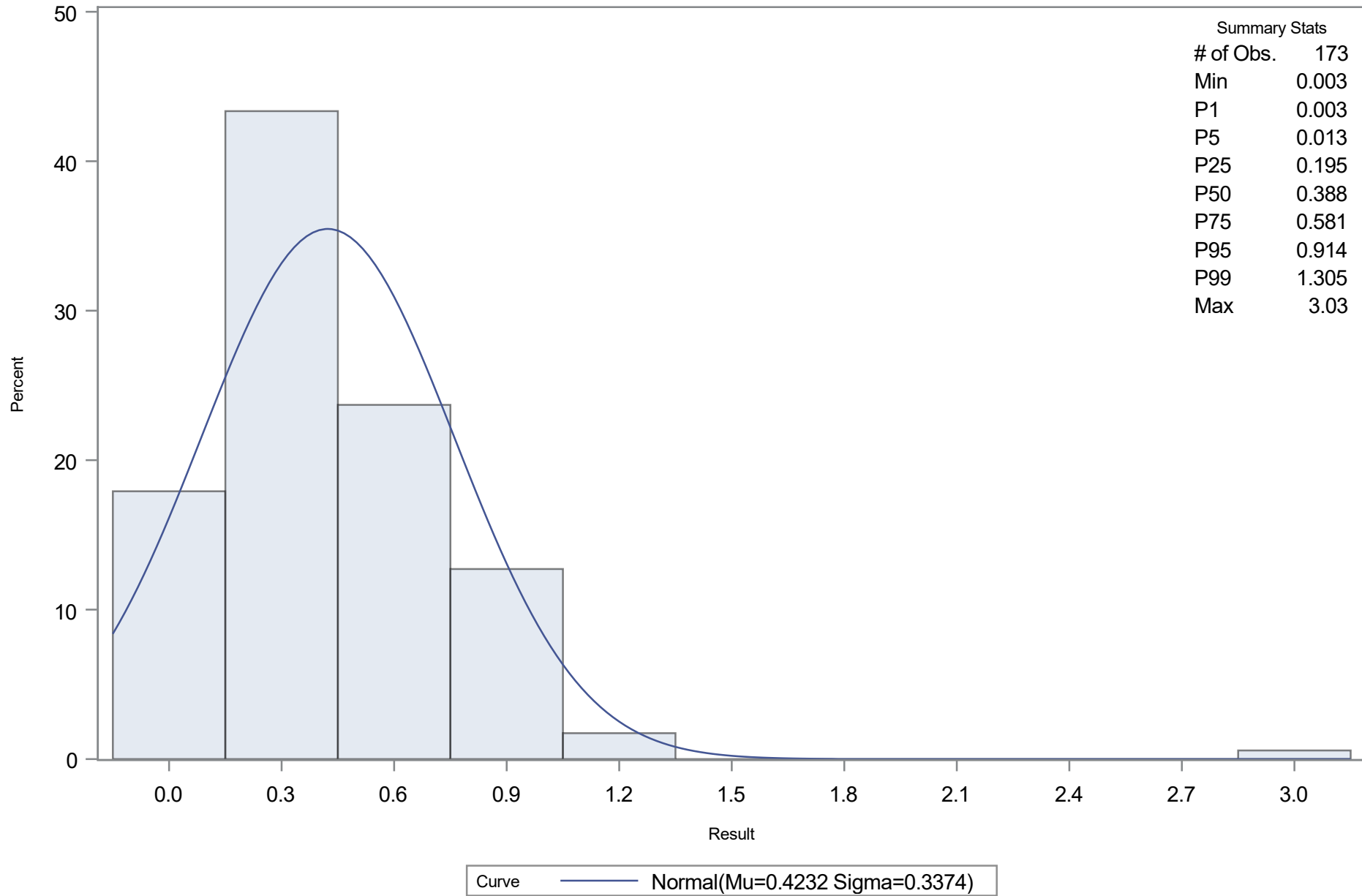
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Nitrate-Nitrite (mg/l)

Distribution of Result



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

DRAFT**Univariate Histogram of Upper Hillsborough River Surface Nitrate-Nitrite (mg/l)****Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.423186
Std Dev	Sigma	0.337393

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10649469	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.41468040	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.94829687	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00300	-0.36171
5.0	0.01300	-0.13178
10.0	0.04000	-0.00920
25.0	0.19500	0.19562
50.0	0.38800	0.42319
75.0	0.58100	0.65075
90.0	0.80900	0.85557
95.0	0.91400	0.97815
99.0	1.30500	1.20808

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

DRAFT

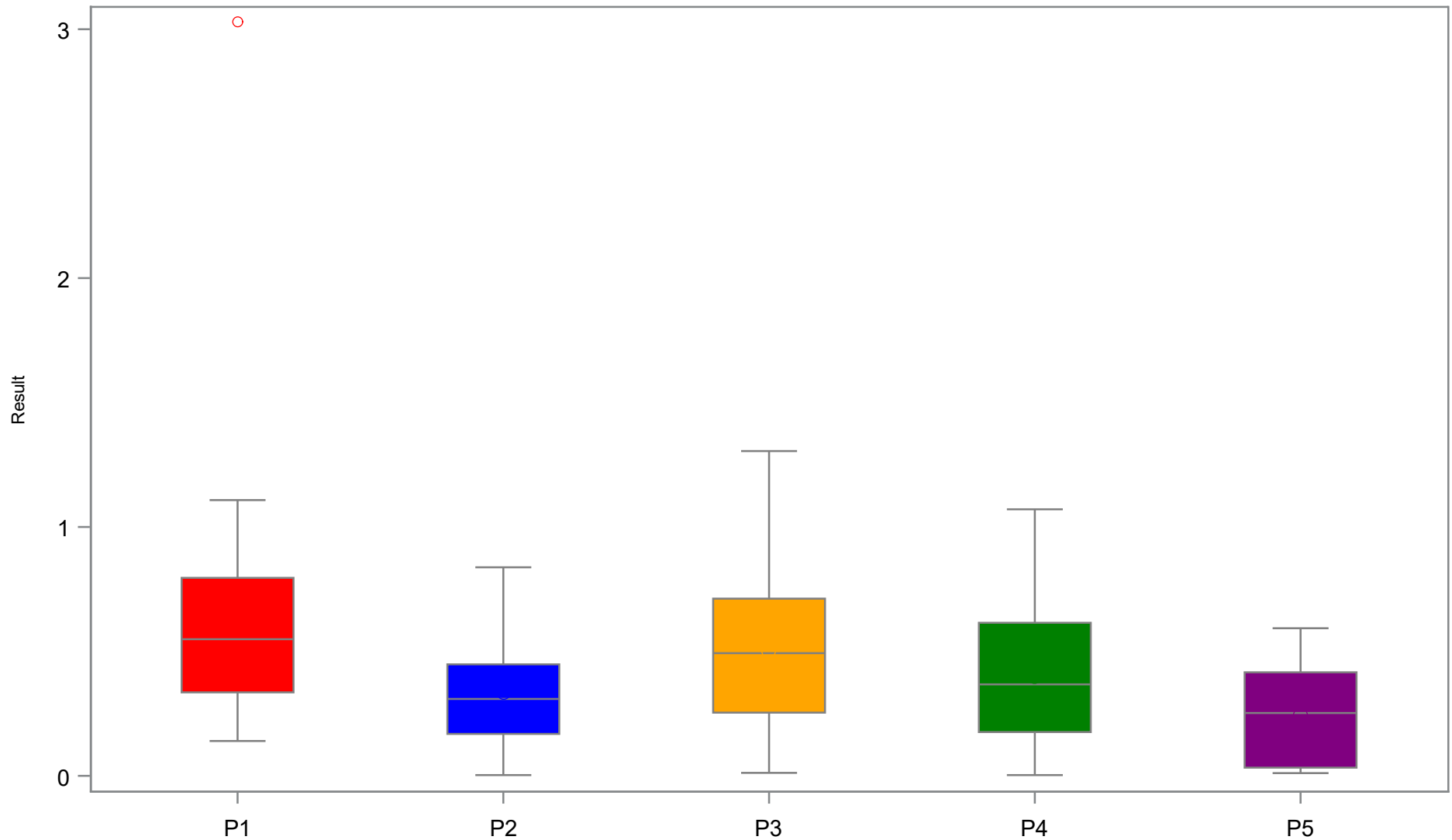
Distributional Statistics by Period for Upper Hillsborough River Surface Nitrate-Nitrite (mg/l)

	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	27	0.01	0.25	0.50	0.49	0.71	1.31
P4	28	0.00	0.18	0.40	0.37	0.62	1.07
P5	34	0.01	0.03	0.24	0.25	0.42	0.59

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Nitrate-Nitrite (mg/l)

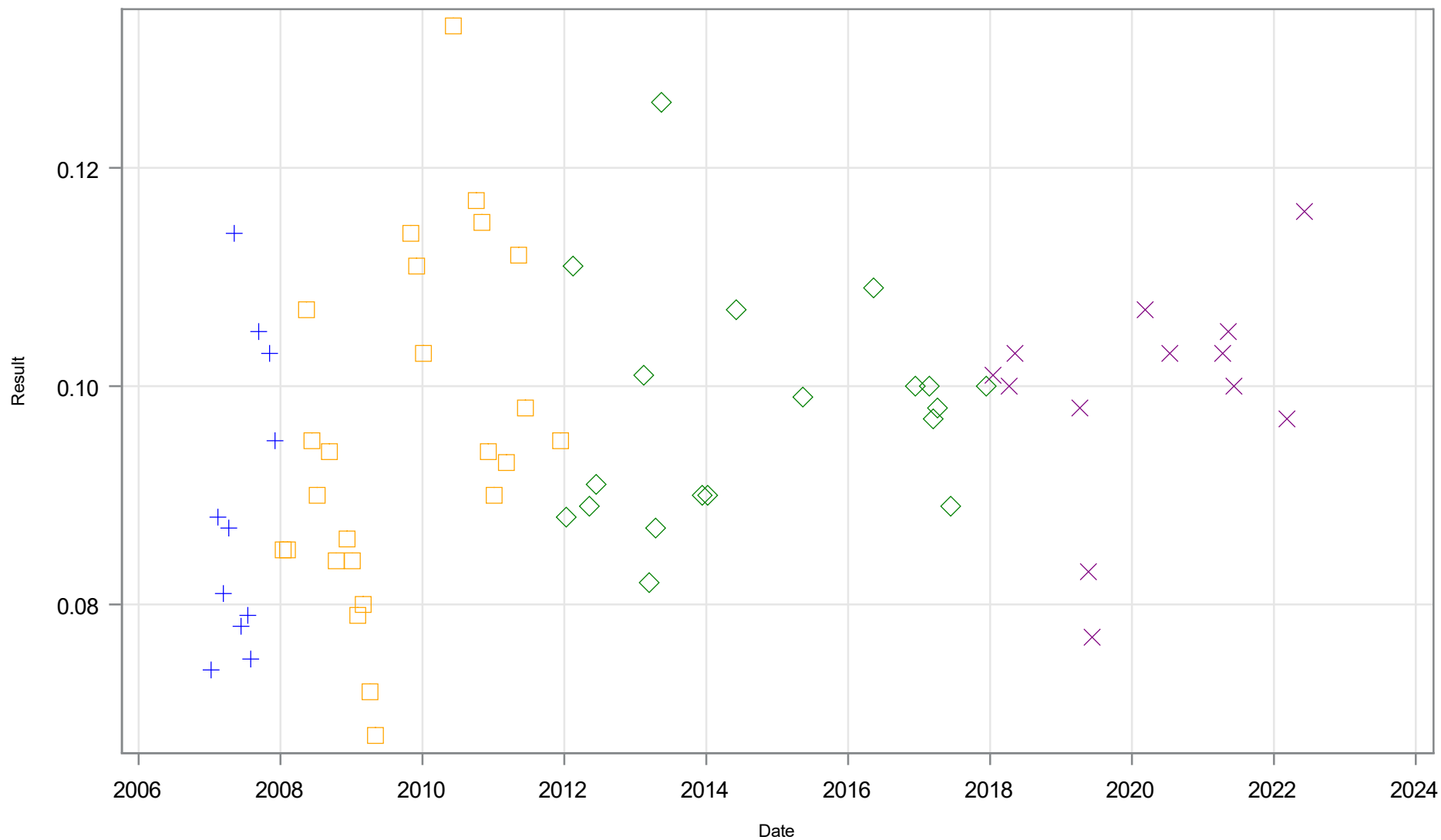


Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Sulphur Springs Run Surface Orthophosphate (mg/l)



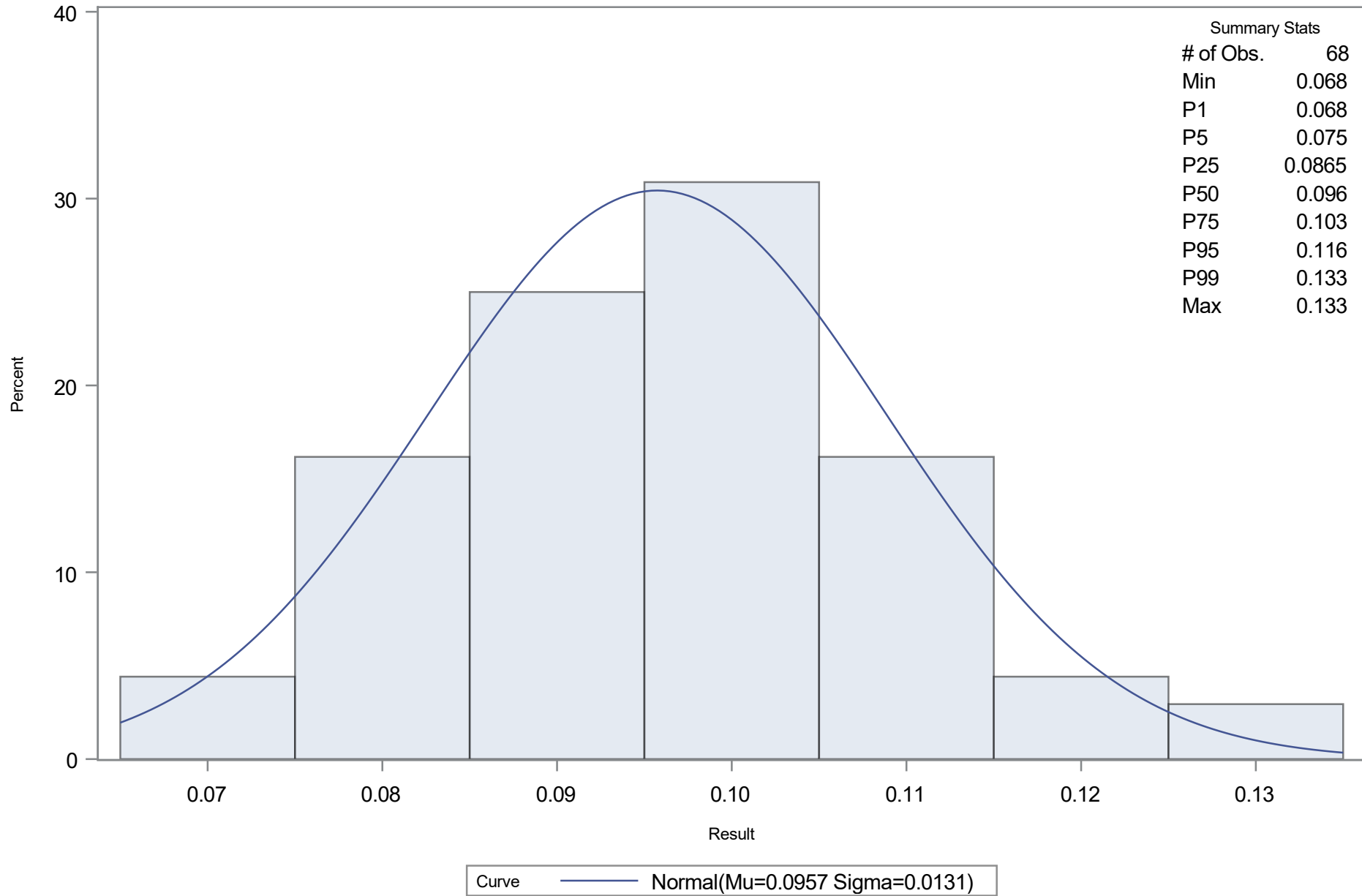
Period + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Orthophosphate (mg/l)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Surface Orthophosphate (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.095735
Std Dev	Sigma	0.013109

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.06619041	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.02660411	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.17713750	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.06800	0.06524
5.0	0.07500	0.07417
10.0	0.07900	0.07894
25.0	0.08650	0.08689
50.0	0.09600	0.09574
75.0	0.10300	0.10458
90.0	0.11400	0.11253
95.0	0.11600	0.11730
99.0	0.13300	0.12623

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

DRAFT

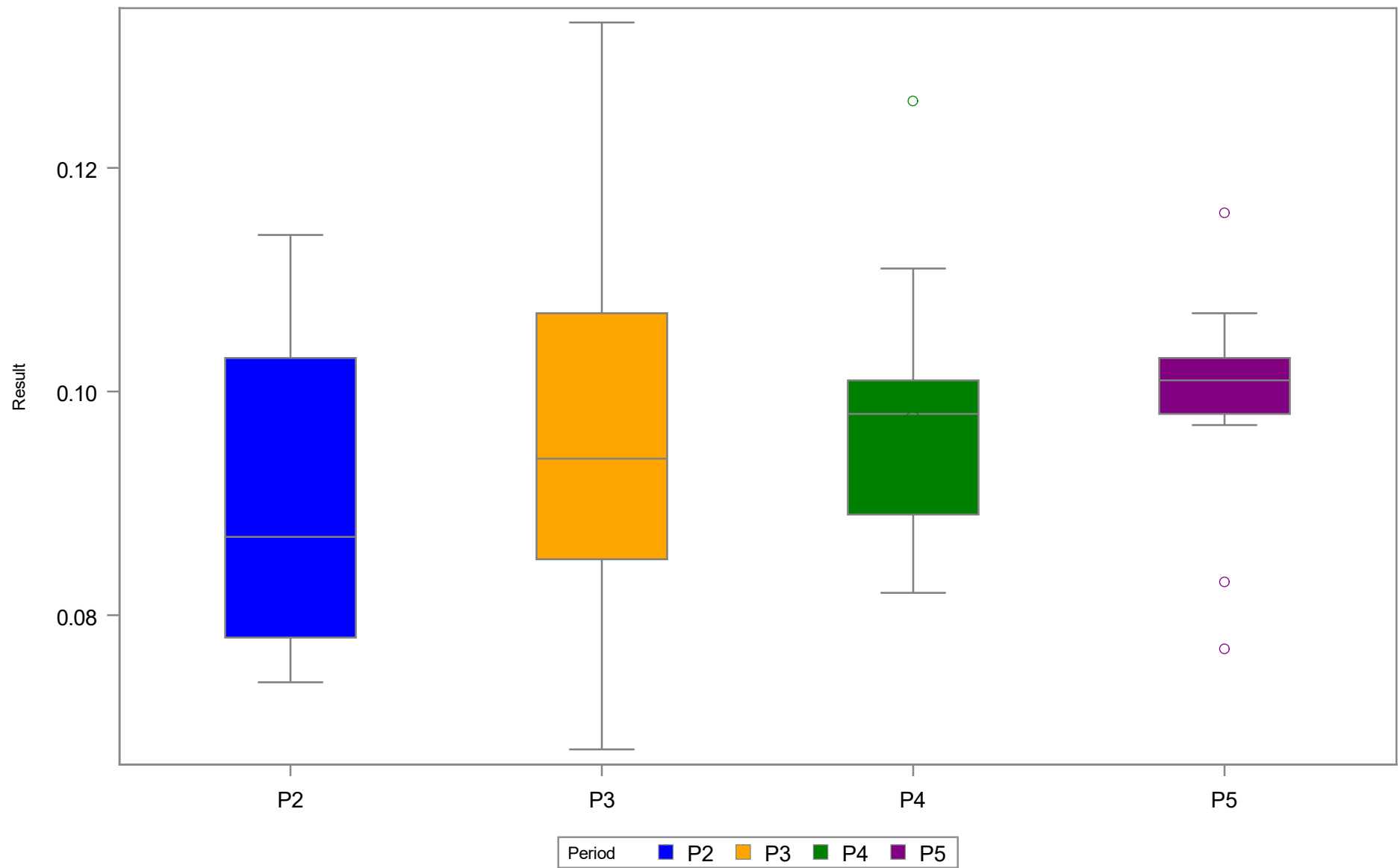
Distributional Statistics by Period for Sulphur Springs Run Surface Orthophosphate (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	0.07	0.08	0.09	0.09	0.10	0.11
P3	25	0.07	0.09	0.10	0.09	0.11	0.13
P4	19	0.08	0.09	0.10	0.10	0.10	0.13
P5	13	0.08	0.10	0.10	0.10	0.10	0.12

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

DRAFT

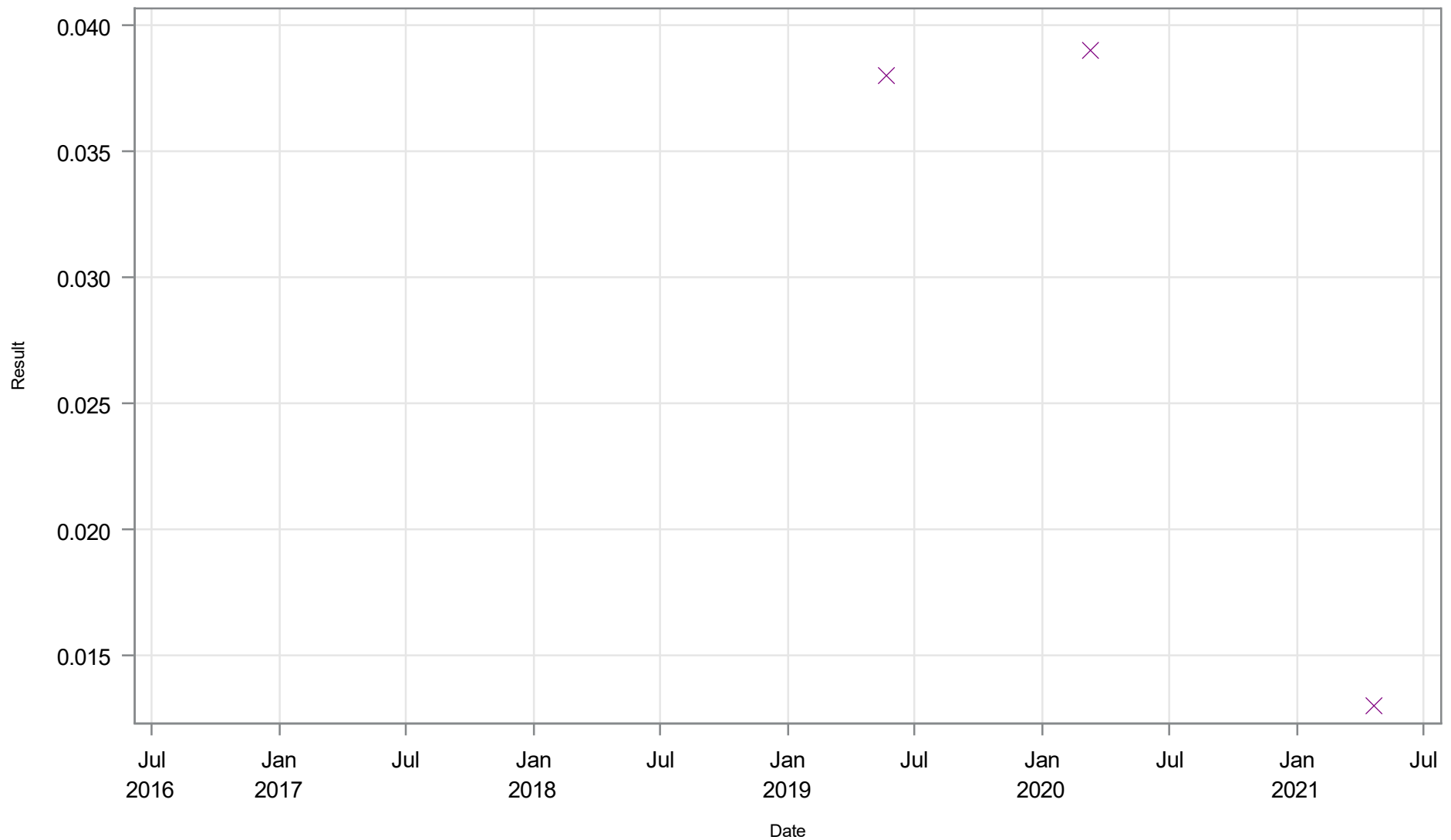
Boxplot by MFL Period for Sulphur Springs Run Surface Orthophosphate (mg/l)



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

DRAFT

Timeseries of Moris Bridge Sink Surface Orthophosphate (mg/l)



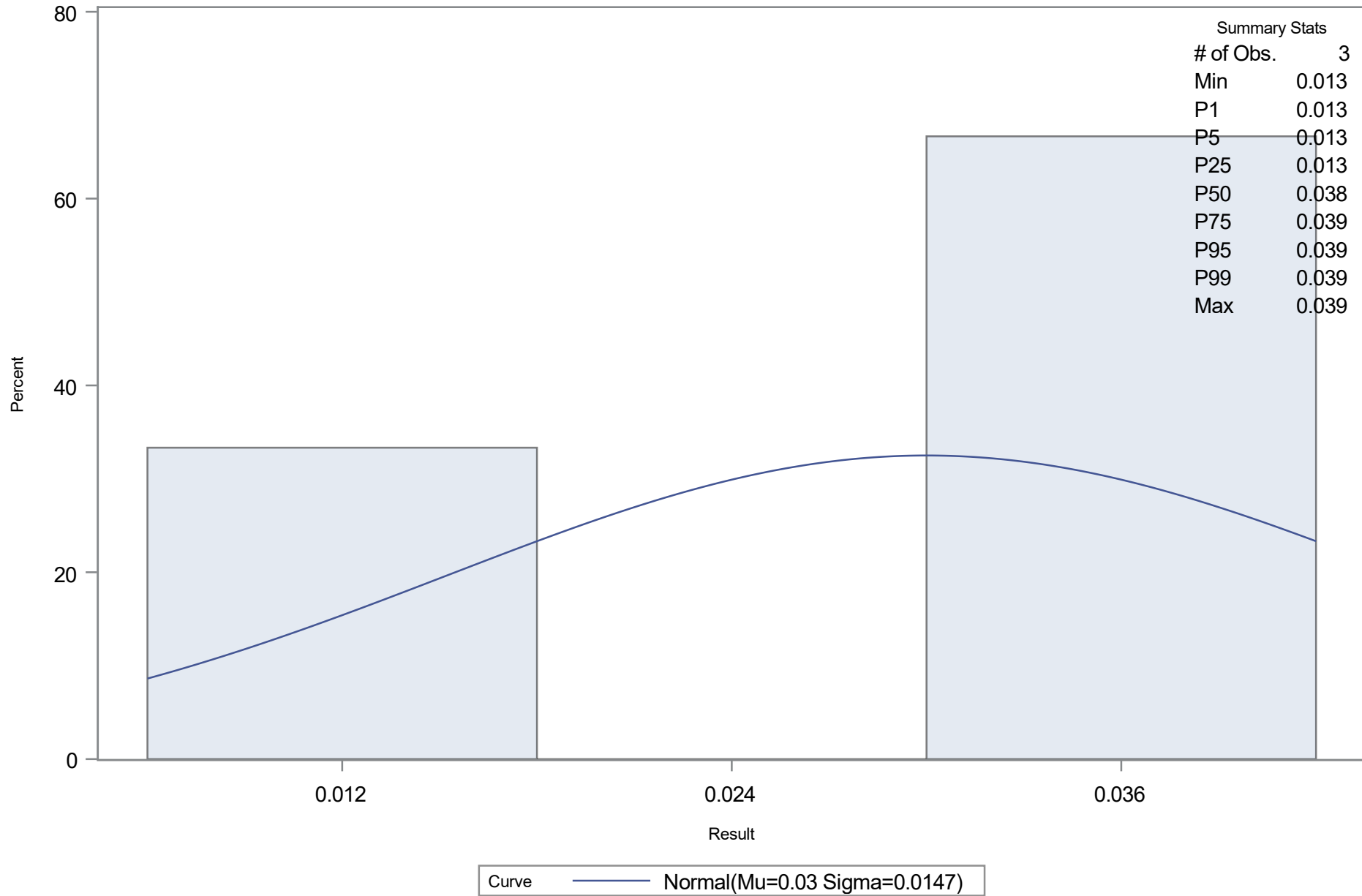
Period ◇ P4 × P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Orthophosphate (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Orthophosphate (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.03
Std Dev	Sigma	0.014731

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.37312772	Pr > D	0.096
Cramer-von Mises	W-Sq	0.08300858	Pr > W-Sq	0.128
Anderson-Darling	A-Sq	0.45112192	Pr > A-Sq	0.081

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.01300	-0.00427
5.0	0.01300	0.00577
10.0	0.01300	0.01112
25.0	0.01300	0.02006
50.0	0.03800	0.03000
75.0	0.03900	0.03994
90.0	0.03900	0.04888
95.0	0.03900	0.05423
99.0	0.03900	0.06427

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

DRAFT

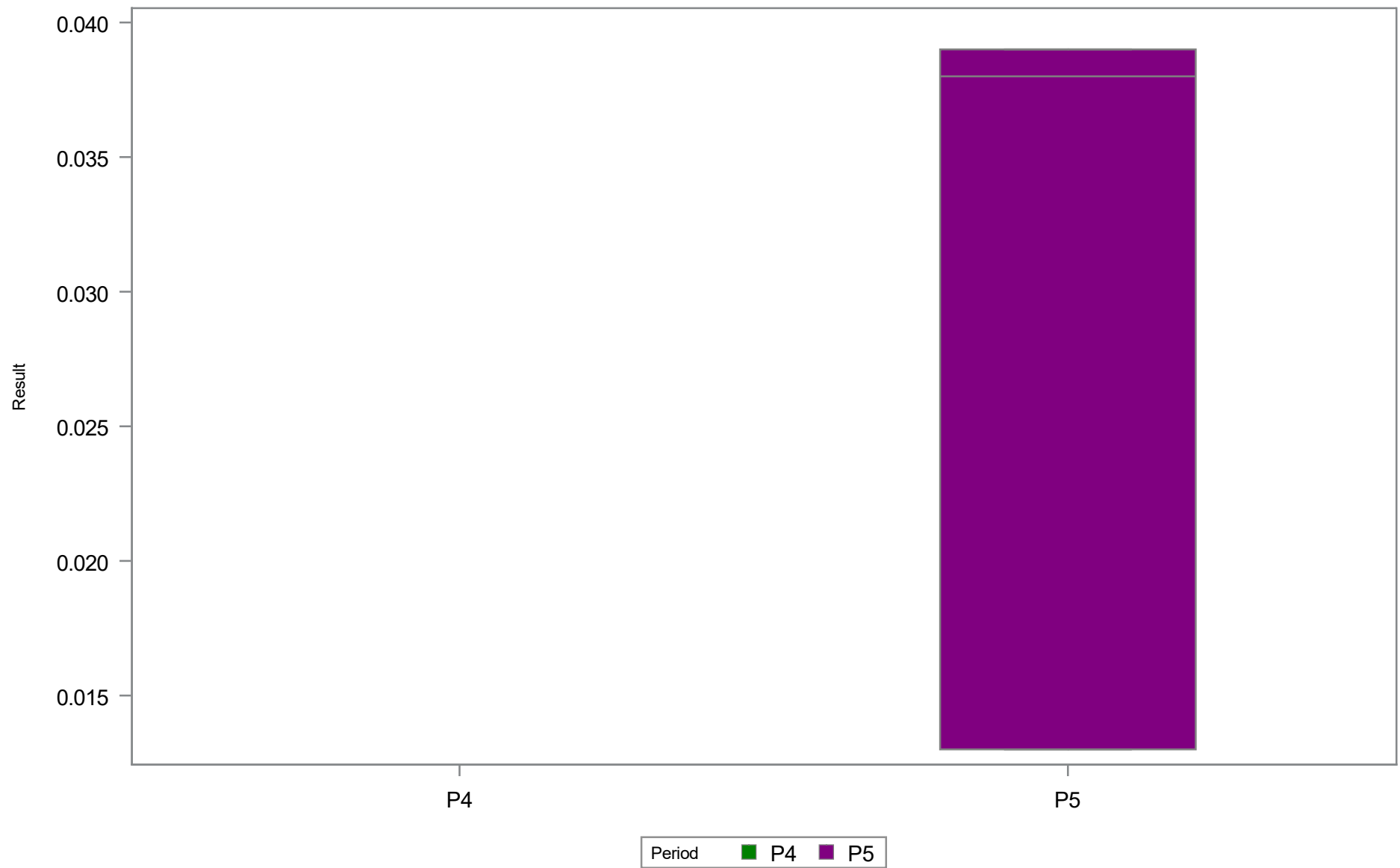
Distributional Statistics by Period for Moris Bridge Sink Surface Orthophosphate (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	3	0.01	0.01	0.03	0.04	0.04	0.04

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

DRAFT

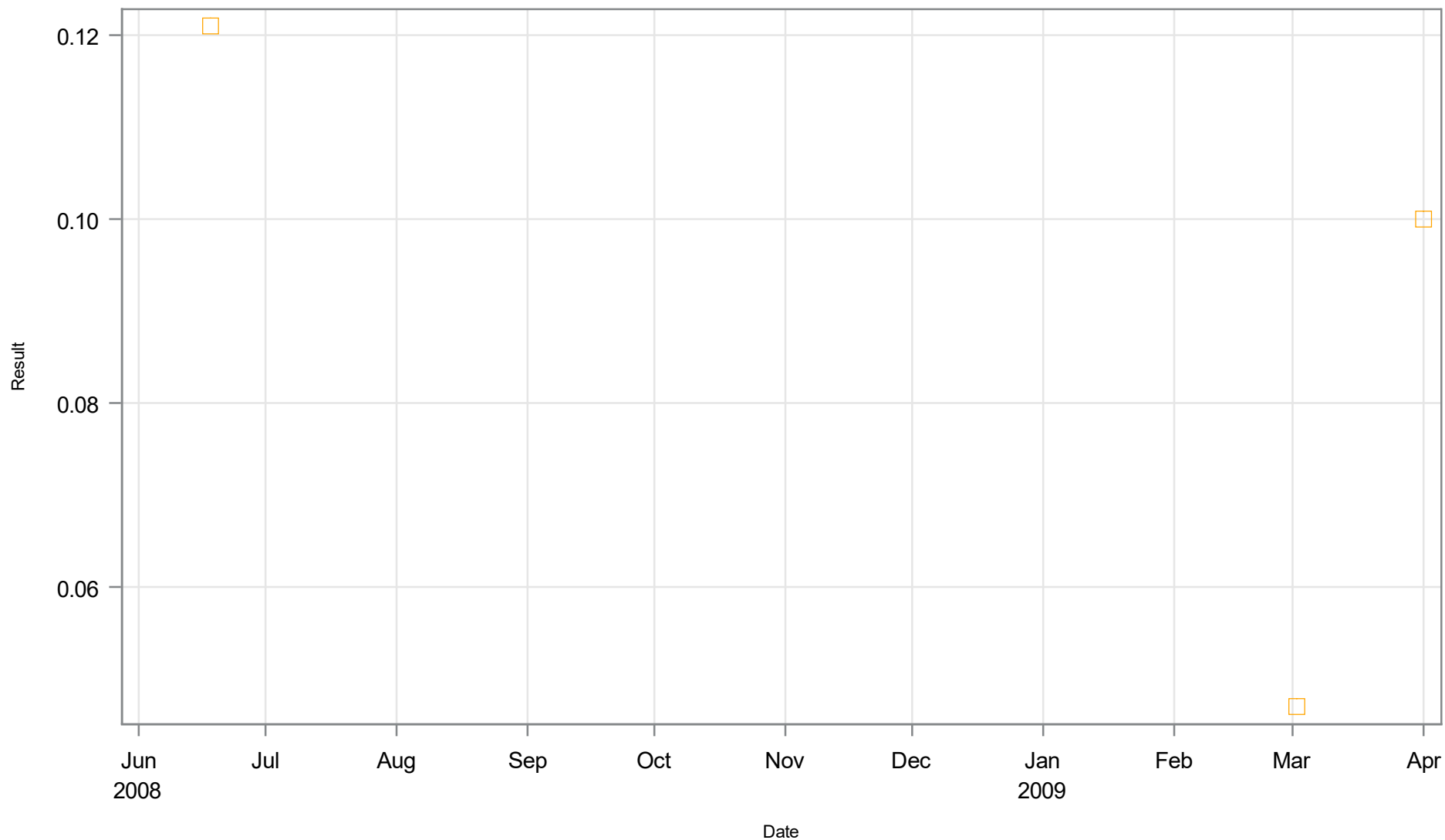
Boxplot by MFL Period for Moris Bridge Sink Surface Orthophosphate (mg/l)



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

DRAFT

Timeseries of Surface Orthophosphate (mg/l)



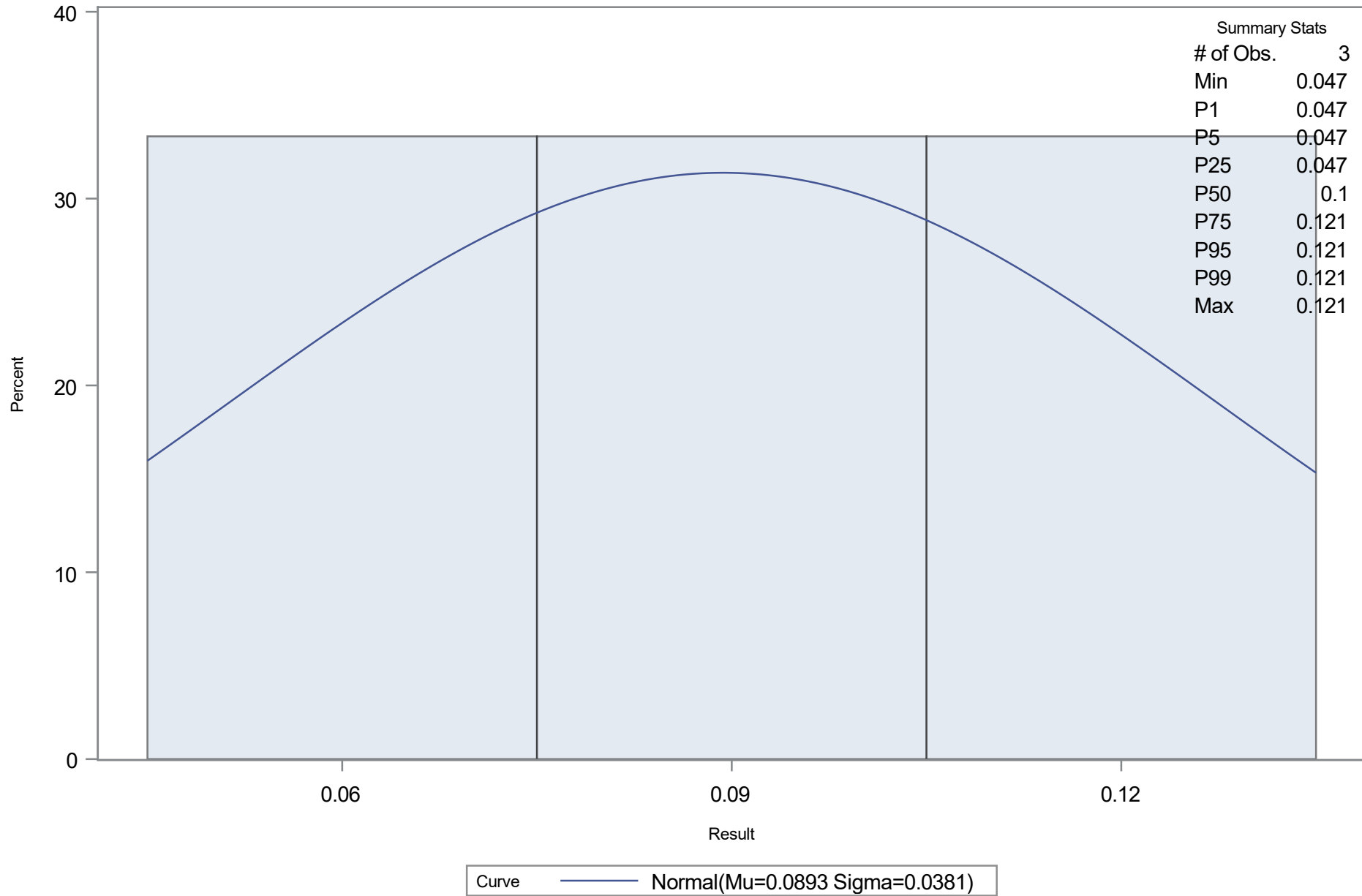
Period P3

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

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Orthophosphate (mg/l)

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		
Percent	Quantile	
	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

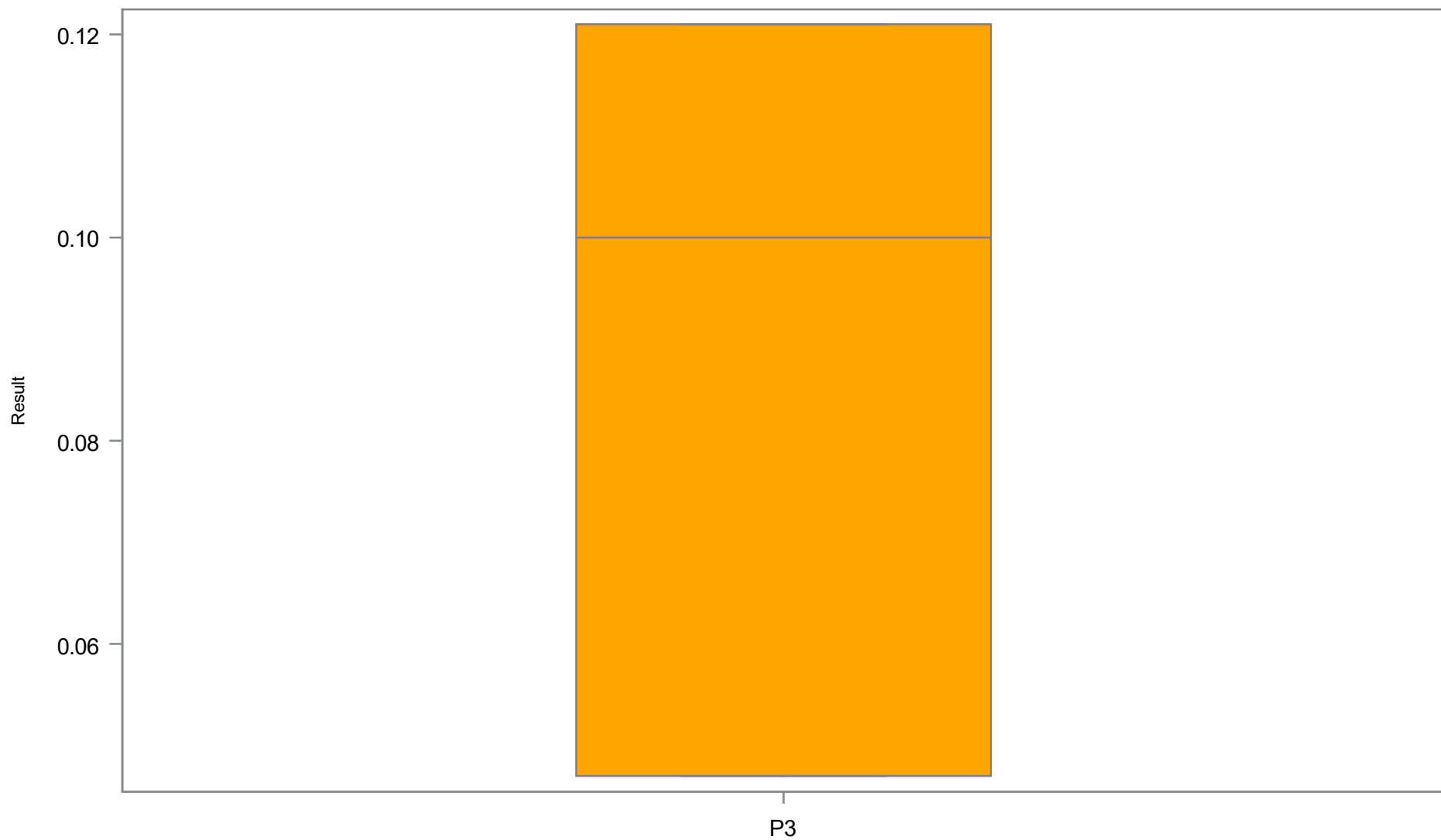
Distributional Statistics by Period for Surface Orthophosphate (mg/l)

	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)



Period ■ P3

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

DRAFT

Timeseries of Upper Hillsborough River Surface Orthophosphate (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

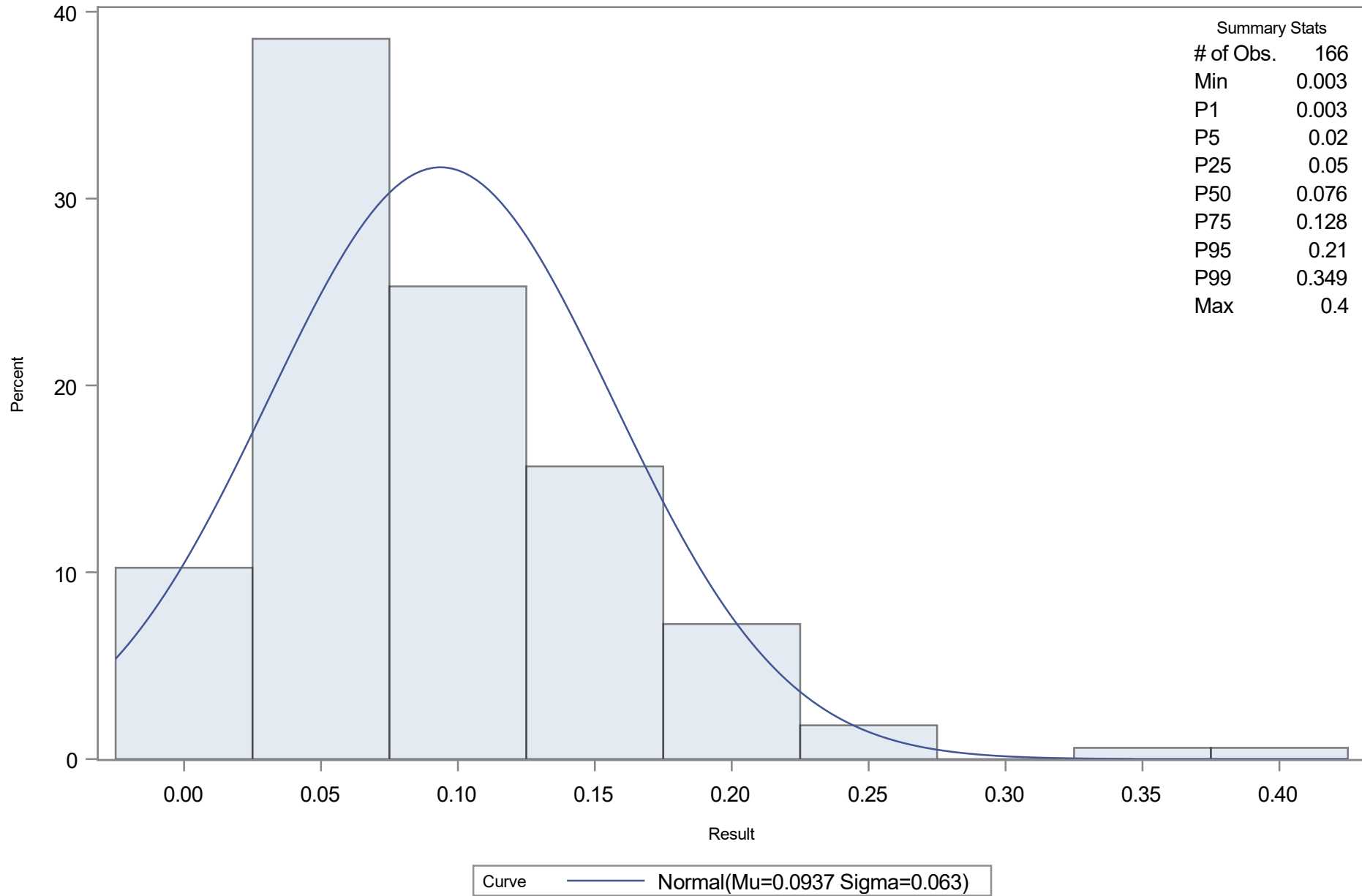
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Orthophosphate (mg/l)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface Orthophosphate (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.093657
Std Dev	Sigma	0.06297

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.13761121	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.72643797	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	4.10577126	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00300	-0.05283
5.0	0.02000	-0.00992
10.0	0.02400	0.01296
25.0	0.05000	0.05118
50.0	0.07600	0.09366
75.0	0.12800	0.13613
90.0	0.18000	0.17436
95.0	0.21000	0.19723
99.0	0.34900	0.24015

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

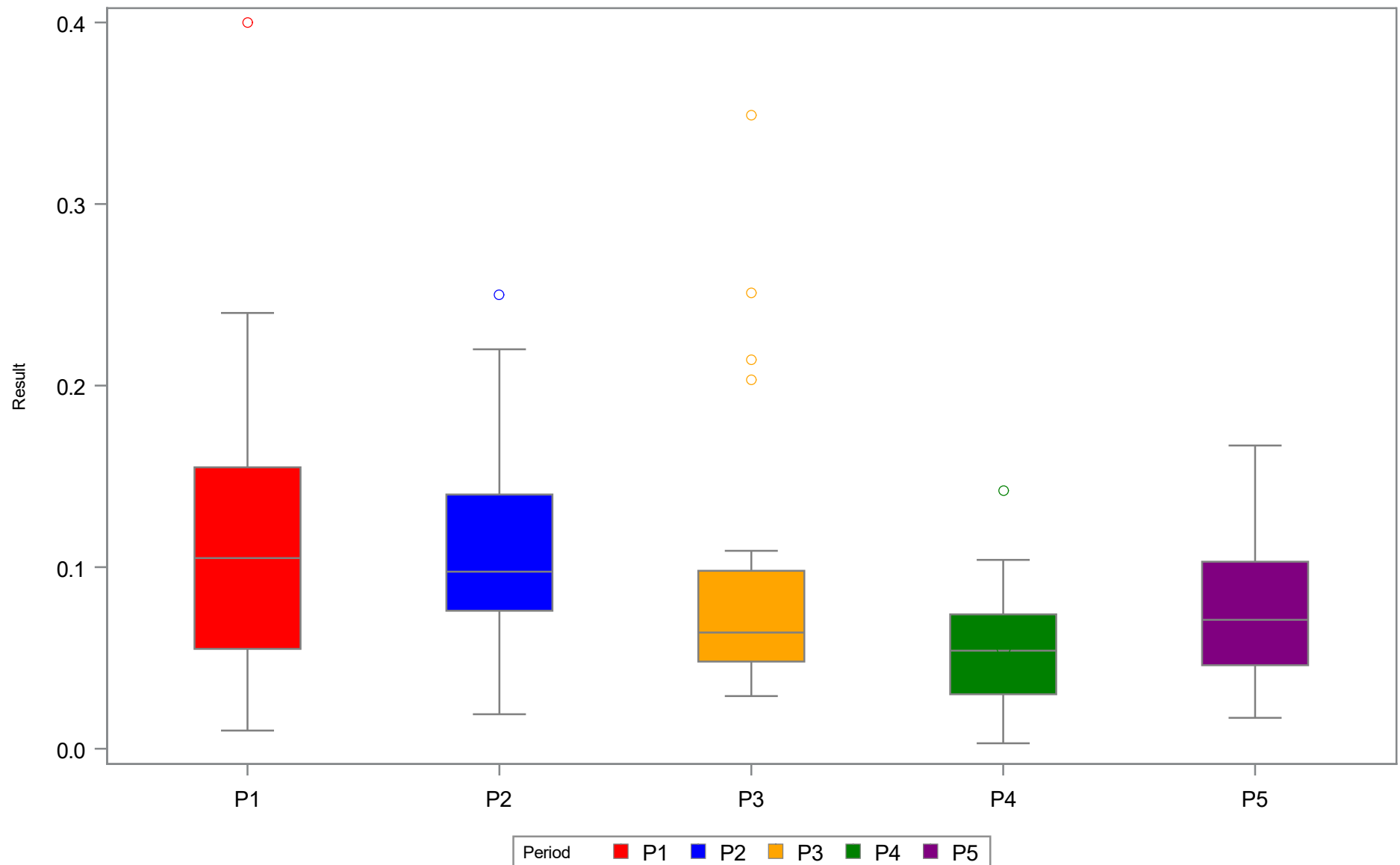
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Orthophosphate (mg/l)

	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	27	0.03	0.05	0.09	0.06	0.10	0.35
P4	26	0.00	0.03	0.06	0.05	0.07	0.14
P5	35	0.02	0.05	0.08	0.07	0.10	0.17

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

DRAFT

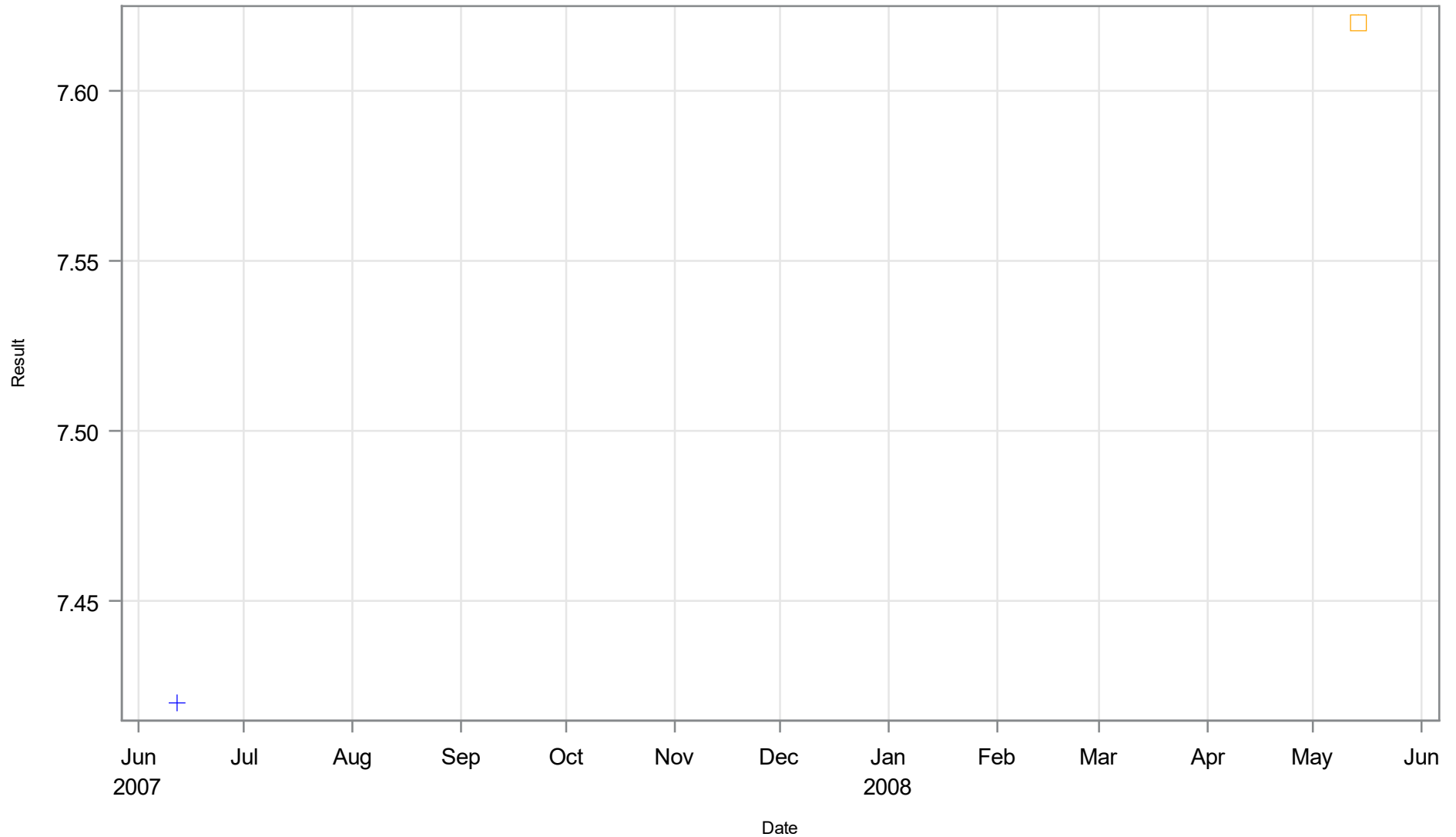
Boxplot by MFL Period for Upper Hillsborough River Surface Orthophosphate (mg/l)



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

DRAFT

Timeseries of Sulphur Springs Run Bottom PH (su)



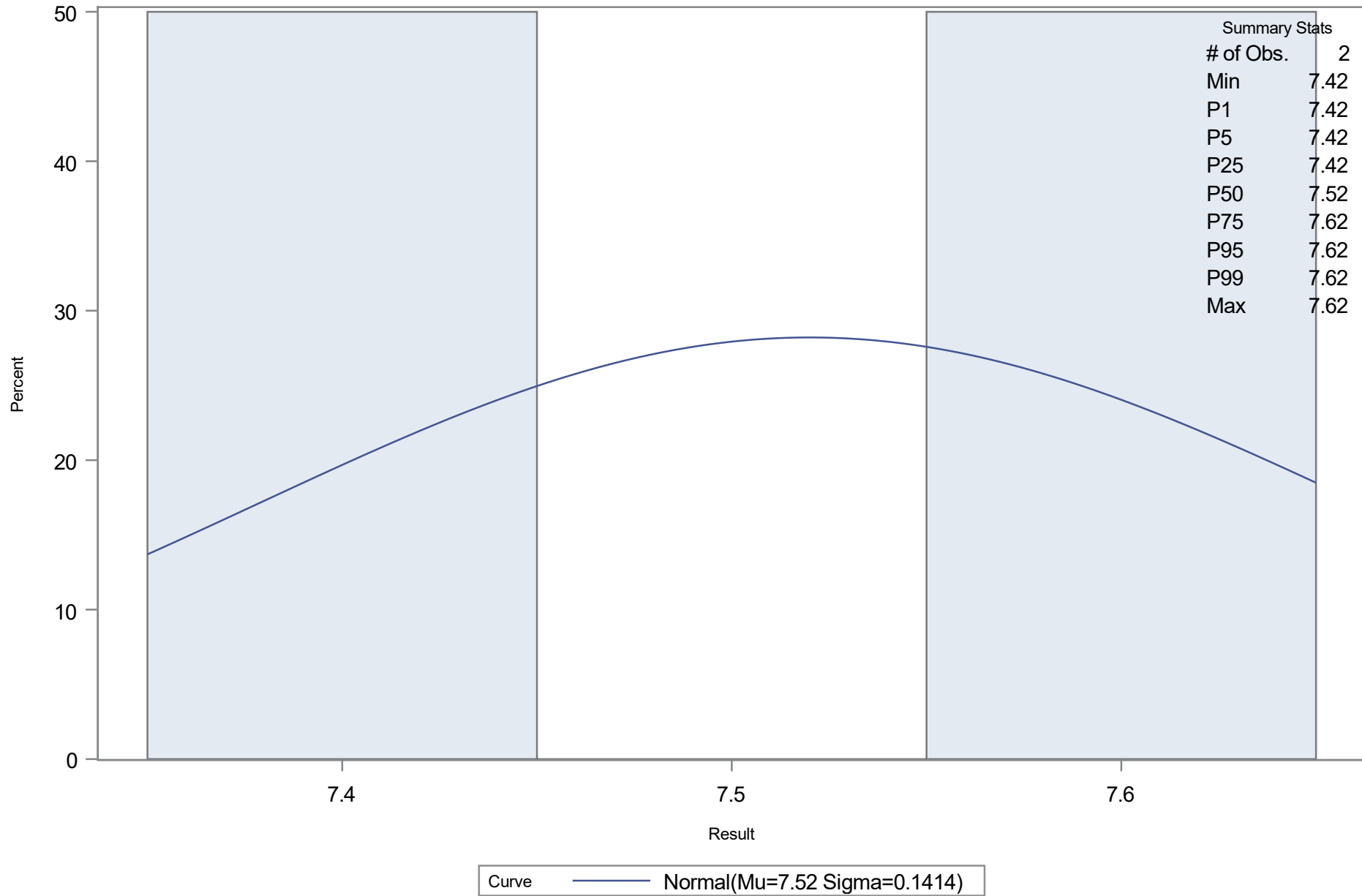
Period + P2 □ P3

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

DRAFT

Univariate Histogram of Sulphur Springs Run Bottom PH (su)

Distribution of Result



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

DRAFT

Univariate Histogram of Sulphur Springs Run Bottom PH (su)

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		
Percent	Quantile	
	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

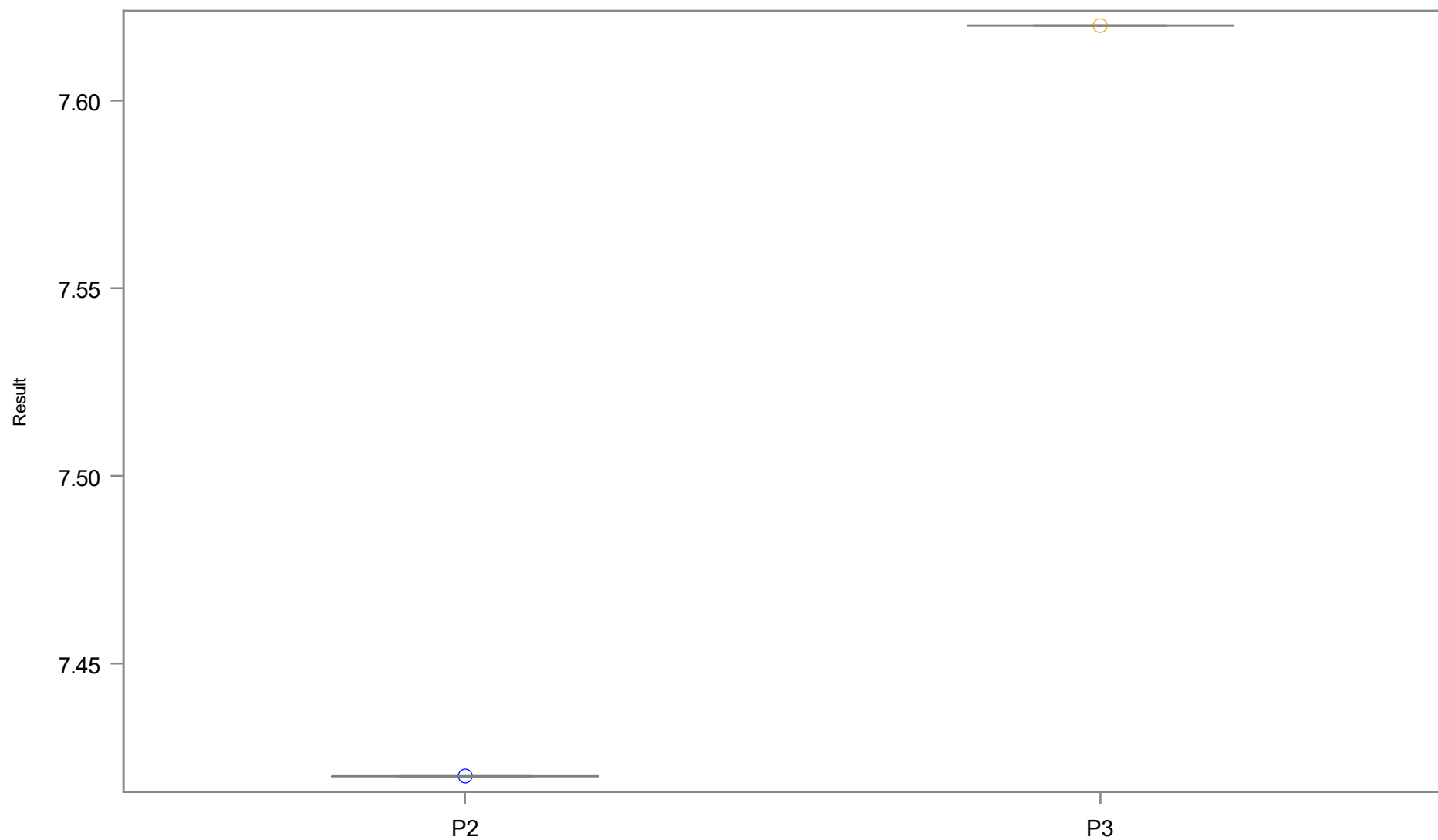
Distributional Statistics by Period for Sulphur Springs Run Bottom PH (su)

	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 Sulphur Springs Run Bottom PH (su)

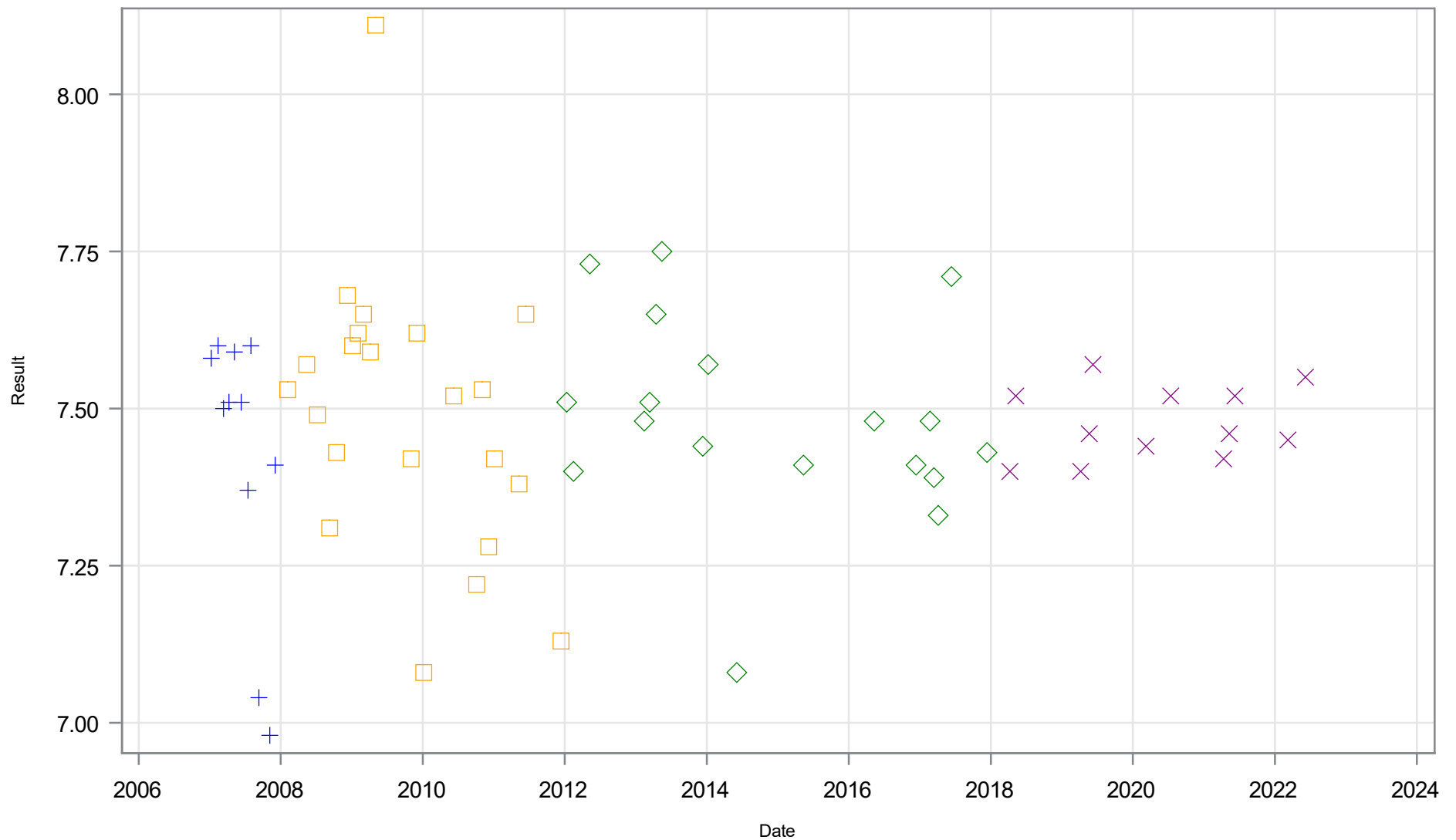


Period ■ P2 ■ P3

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

DRAFT

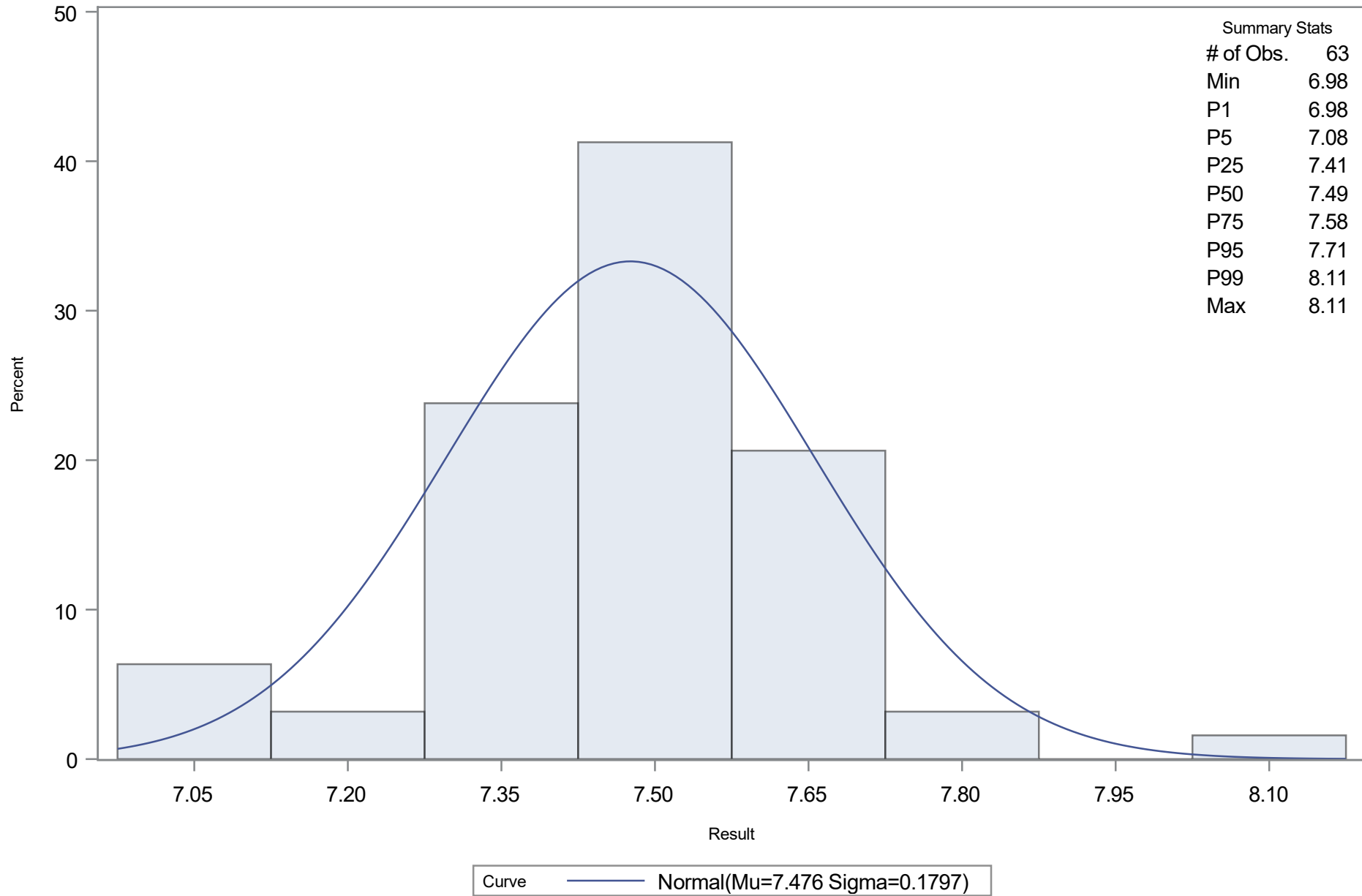
Timeseries of Sulphur Springs Run Midwater PH (su)



DRAFT

Univariate Histogram of Sulphur Springs Run Midwater PH (su)

Distribution of Result



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

DRAFT

Univariate Histogram of Sulphur Springs Run Midwater PH (su)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.476032
Std Dev	Sigma	0.1797

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.14563353	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.23497320	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.52070117	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.98000	7.05799
5.0	7.08000	7.18045
10.0	7.28000	7.24574
25.0	7.41000	7.35483
50.0	7.49000	7.47603
75.0	7.58000	7.59724
90.0	7.65000	7.70633
95.0	7.71000	7.77161
99.0	8.11000	7.89408

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

DRAFT

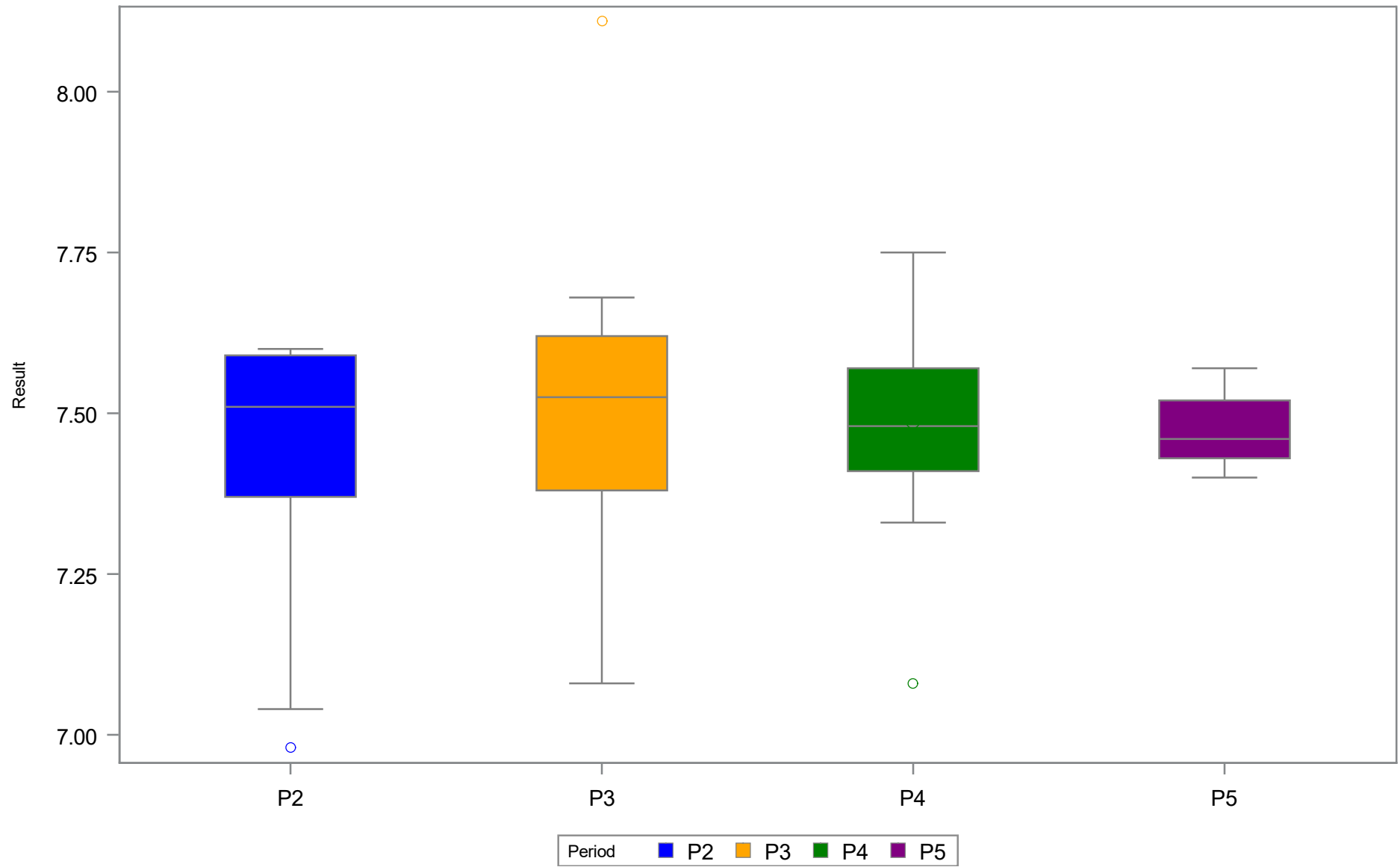
Distributional Statistics by Period for Sulphur Springs Run Midwater PH (su)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	6.98	7.37	7.43	7.51	7.59	7.60
P3	22	7.08	7.38	7.49	7.53	7.62	8.11
P4	18	7.08	7.41	7.49	7.48	7.57	7.75
P5	12	7.40	7.43	7.48	7.46	7.52	7.57

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Midwater PH (su)



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

DRAFT

Timeseries of Sulphur Springs Run Surface PH (su)

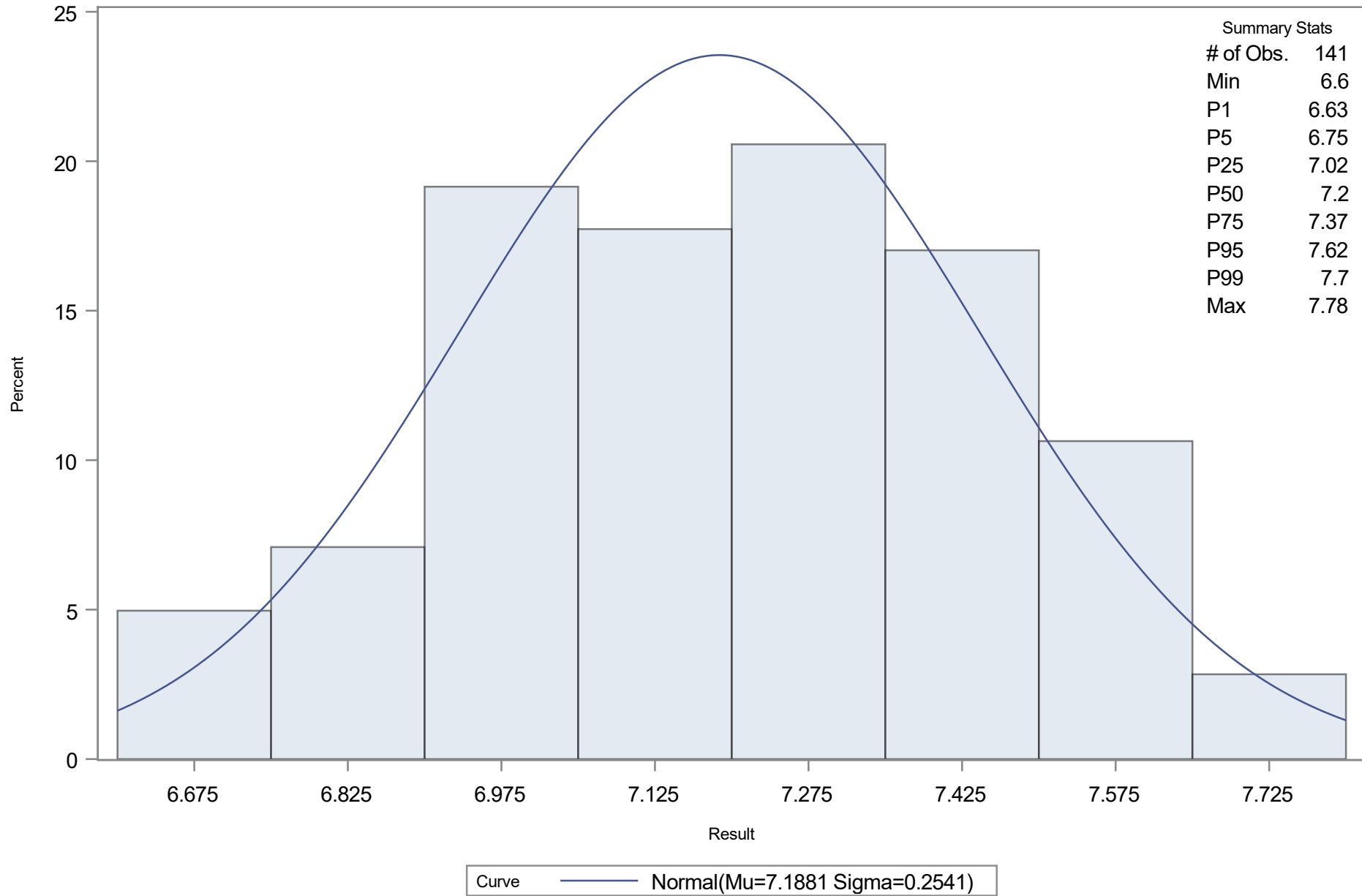


Period ○ P1 + P2 □ P3 ◇ P4 × P5

DRAFT

Univariate Histogram of Sulphur Springs Run Surface PH (su)

Distribution of Result



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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface PH (su)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.188085
Std Dev	Sigma	0.254086

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.04298143	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.04070154	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.24702182	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.63000	6.59699
5.0	6.75000	6.77015
10.0	6.86000	6.86246
25.0	7.02000	7.01671
50.0	7.20000	7.18809
75.0	7.37000	7.35946
90.0	7.51000	7.51371
95.0	7.62000	7.60602
99.0	7.70000	7.77918

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

DRAFT

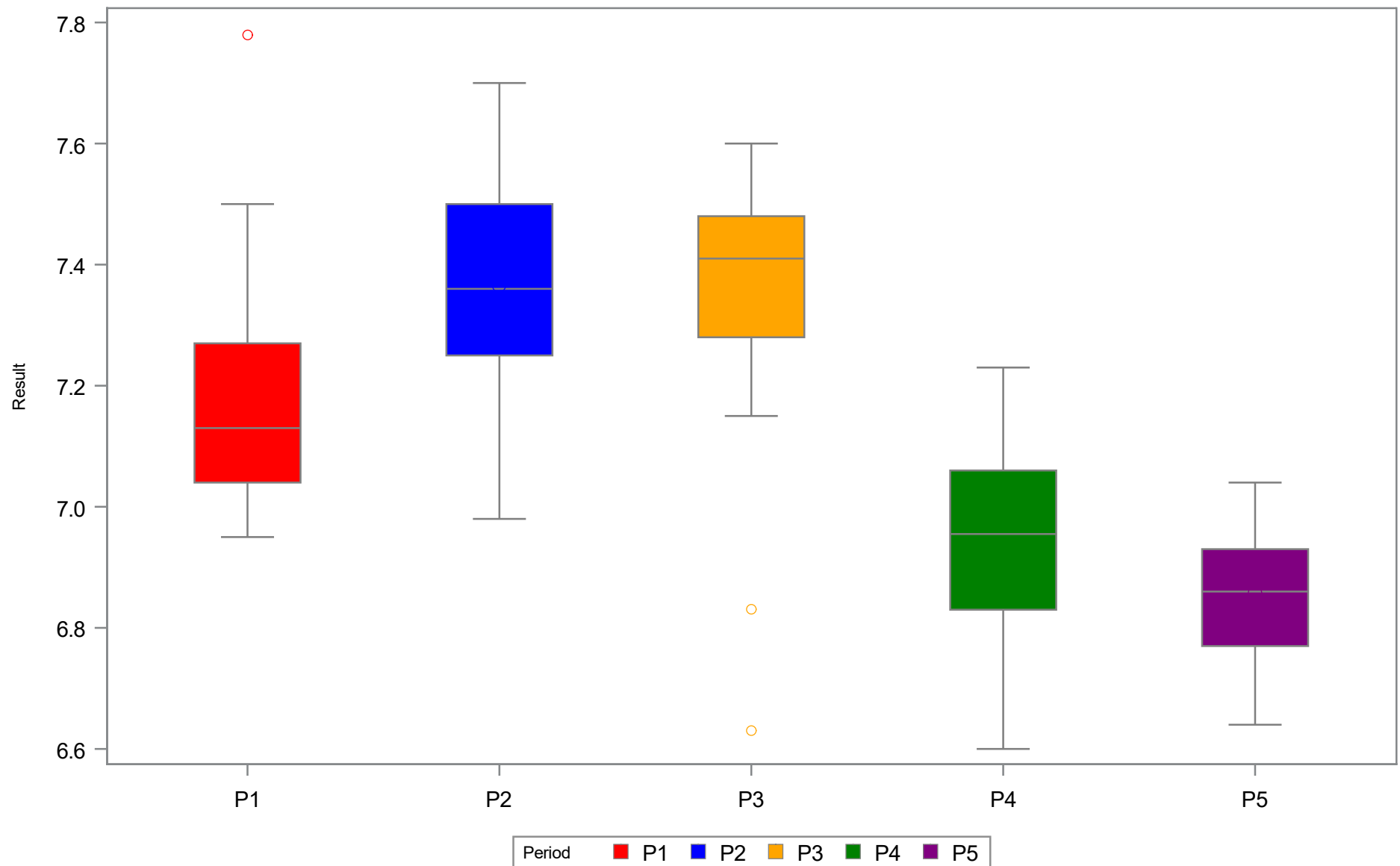
Distributional Statistics by Period for Sulphur Springs Run Surface PH (su)

	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	7.37	7.36	7.50	7.70
P3	21	6.63	7.28	7.33	7.41	7.48	7.60
P4	18	6.60	6.83	6.93	6.96	7.06	7.23
P5	15	6.64	6.77	6.86	6.86	6.93	7.04

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

DRAFT

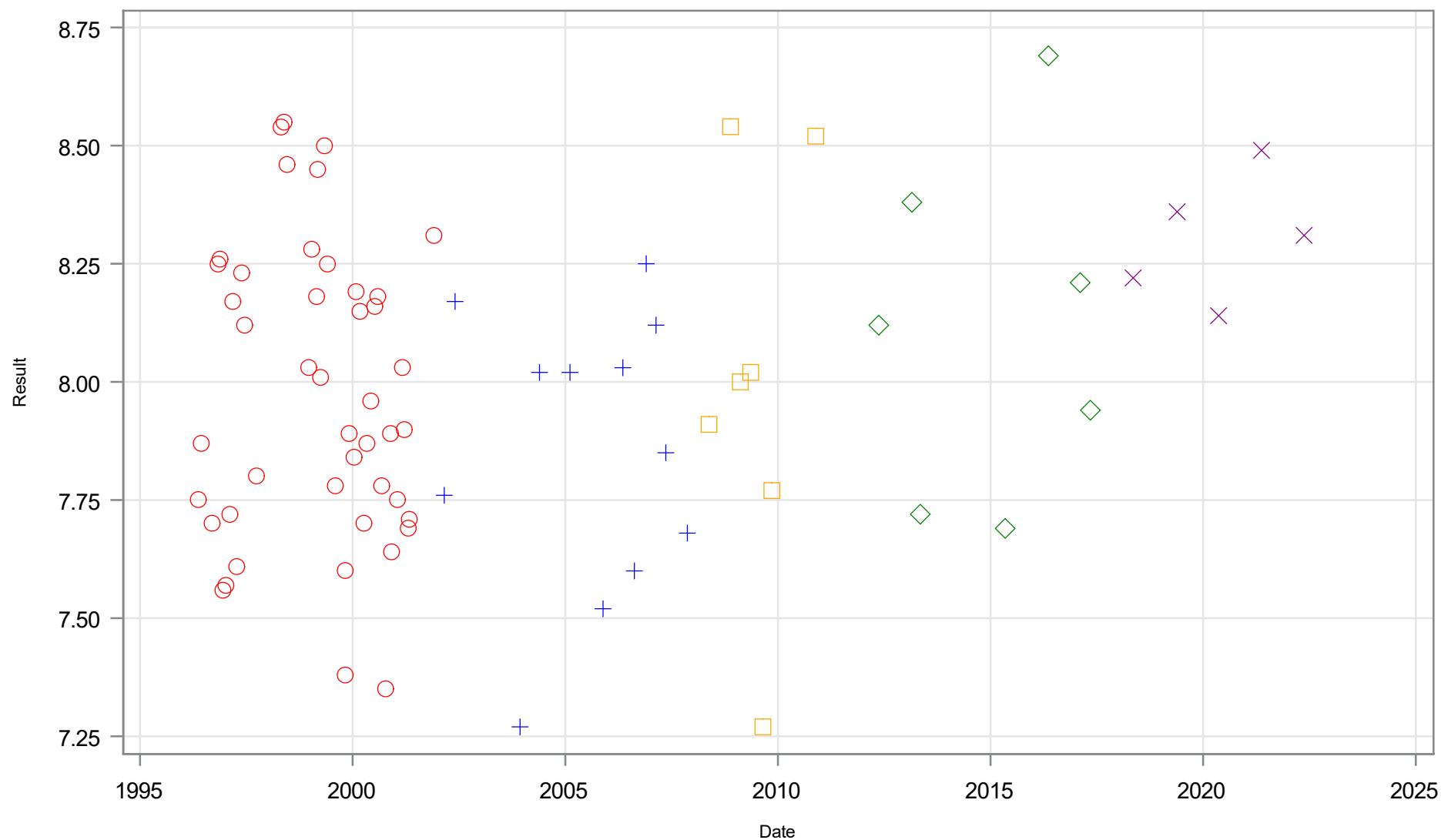
Boxplot by MFL Period for Sulphur Springs Run Surface PH (su)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface PH (su)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

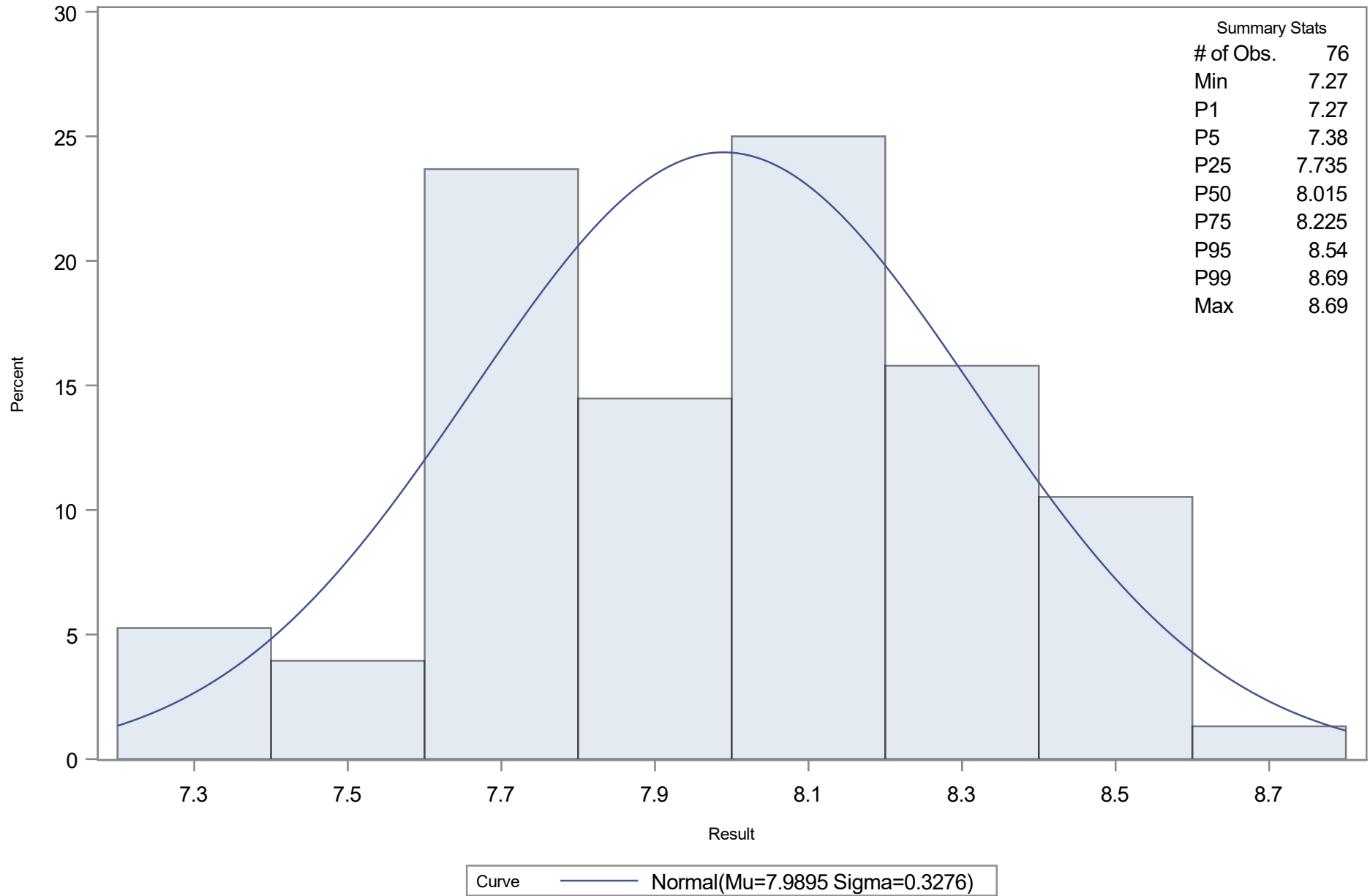
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface PH (su)

Distribution of Result



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

Univariate Histogram of Tampa Bypass Canal Surface PH (su)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.989474
Std Dev	Sigma	0.32756

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.07591455	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.05812036	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.35428163	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	7.27000	7.22745
5.0	7.38000	7.45069
10.0	7.60000	7.56969
25.0	7.73500	7.76854
50.0	8.01500	7.98947
75.0	8.22500	8.21041
90.0	8.46000	8.40926
95.0	8.54000	8.52826
99.0	8.69000	8.75149

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

DRAFT

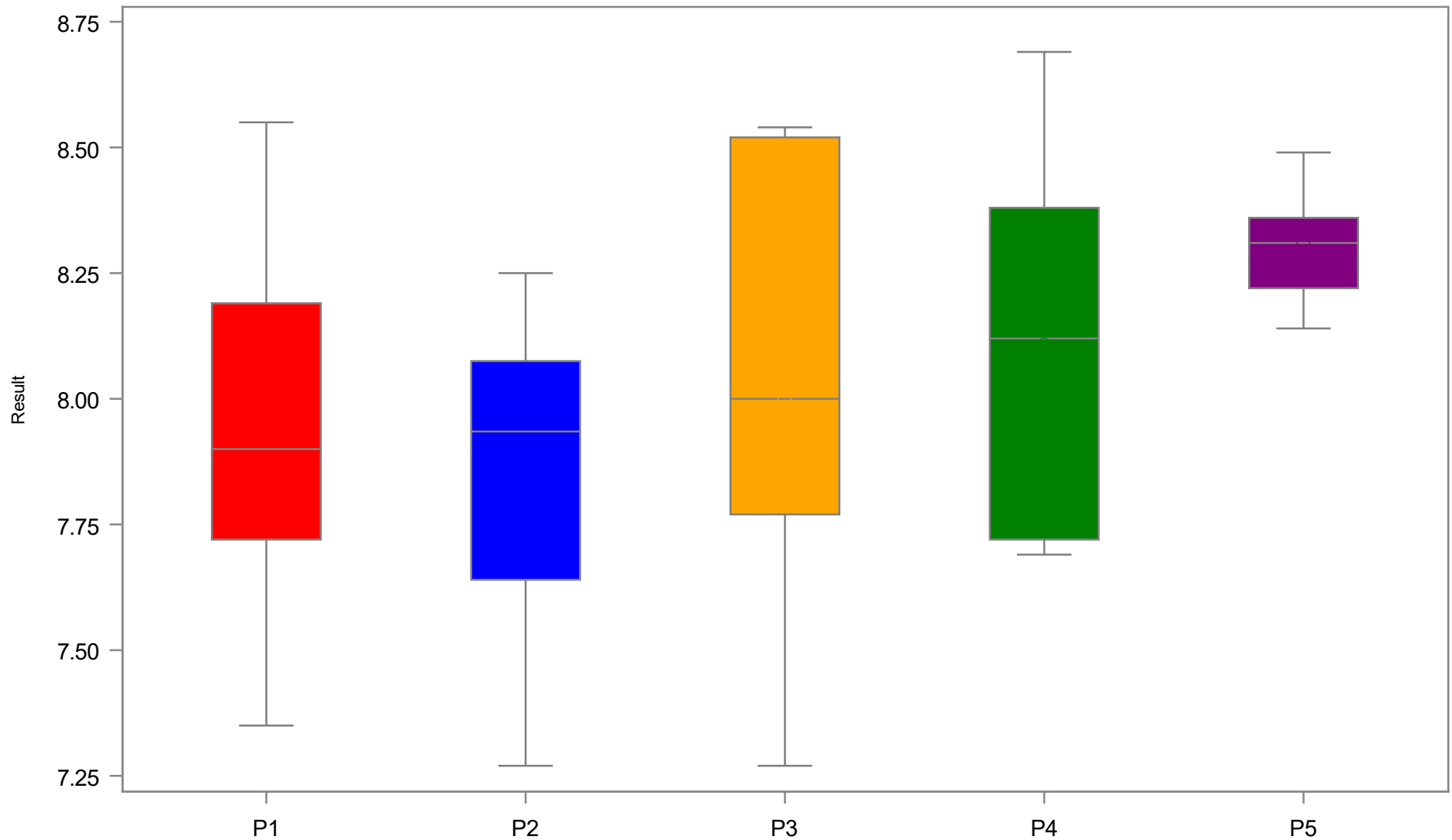
Distributional Statistics by Period for Tampa Bypass Canal Surface PH (su)

	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	5	8.14	8.22	8.30	8.31	8.36	8.49

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

DRAFT

Boxplot by MFL Period for Tampa Bypass Canal Surface PH (su)



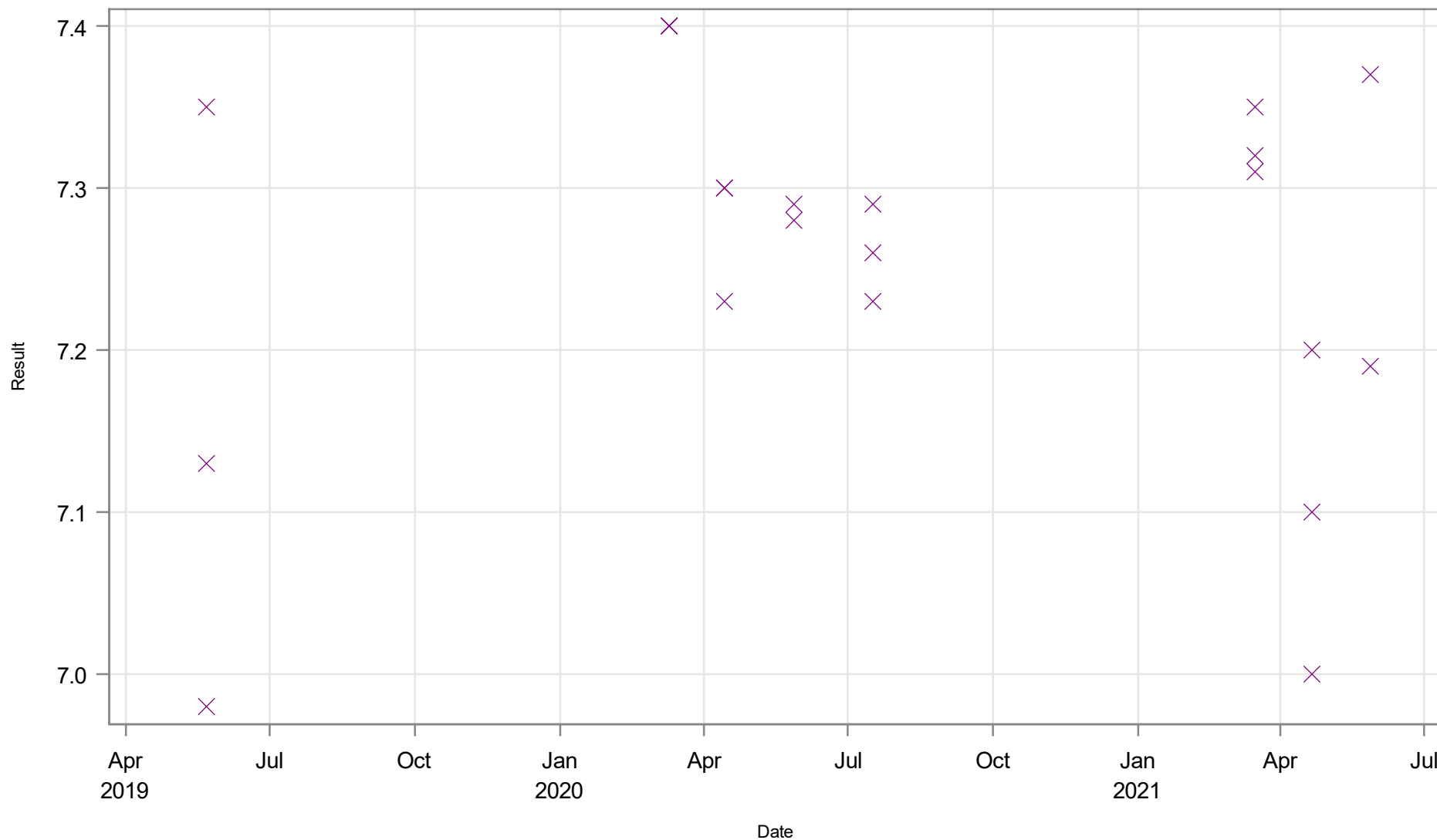
Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Timeseries of Moris Bridge Sink Bottom PH (su)



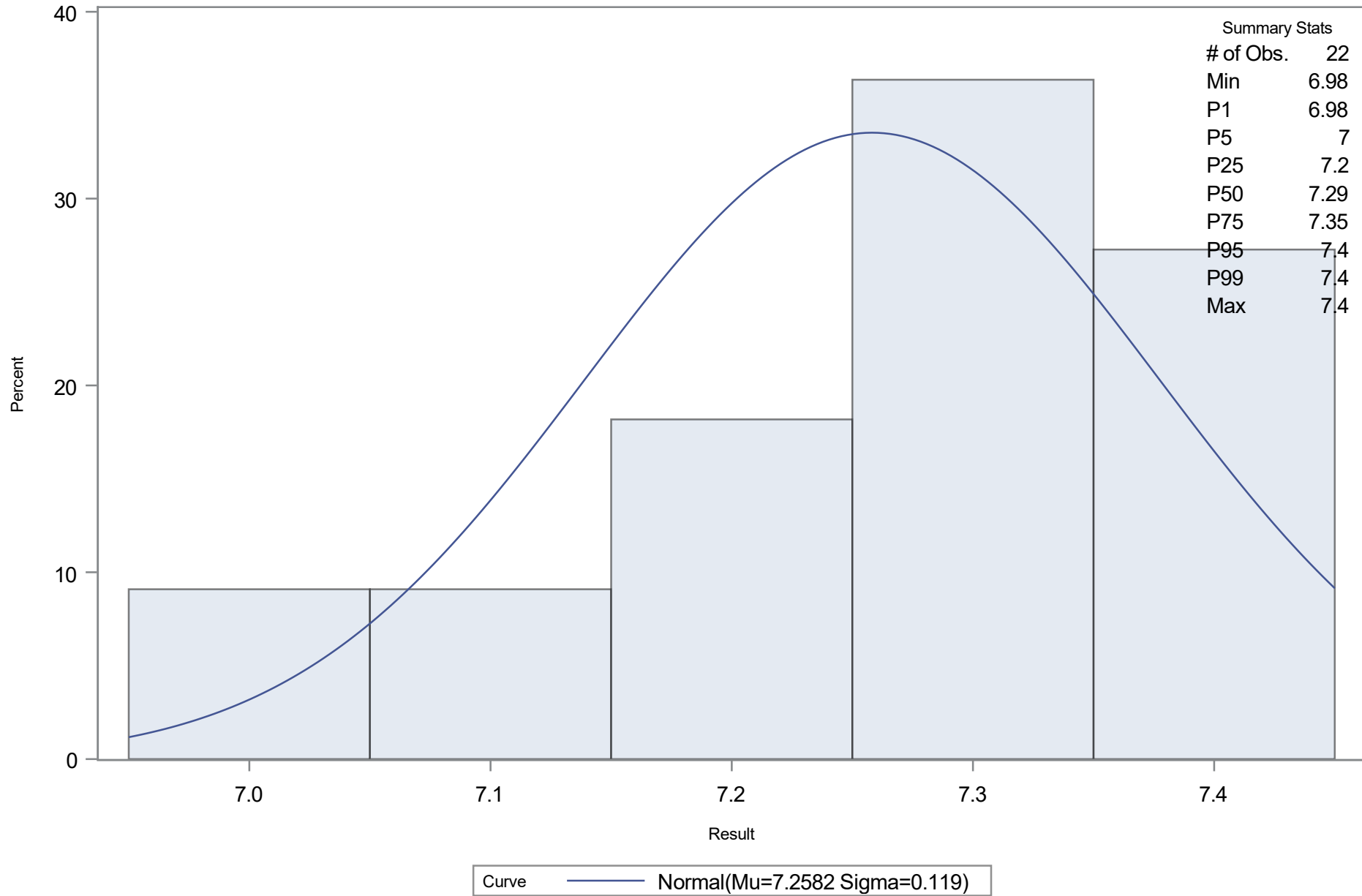
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Bottom PH (su)

Distribution of Result



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

DRAFT

Univariate Histogram of Moris Bridge Sink Bottom PH (su)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.258182
Std Dev	Sigma	0.118989

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.16365234	Pr > D	0.127
Cramer-von Mises	W-Sq	0.10975644	Pr > W-Sq	0.081
Anderson-Darling	A-Sq	0.70098614	Pr > A-Sq	0.060

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.98000	6.98137
5.0	7.00000	7.06246
10.0	7.10000	7.10569
25.0	7.20000	7.17792
50.0	7.29000	7.25818
75.0	7.35000	7.33844
90.0	7.40000	7.41067
95.0	7.40000	7.45390
99.0	7.40000	7.53499

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

DRAFT

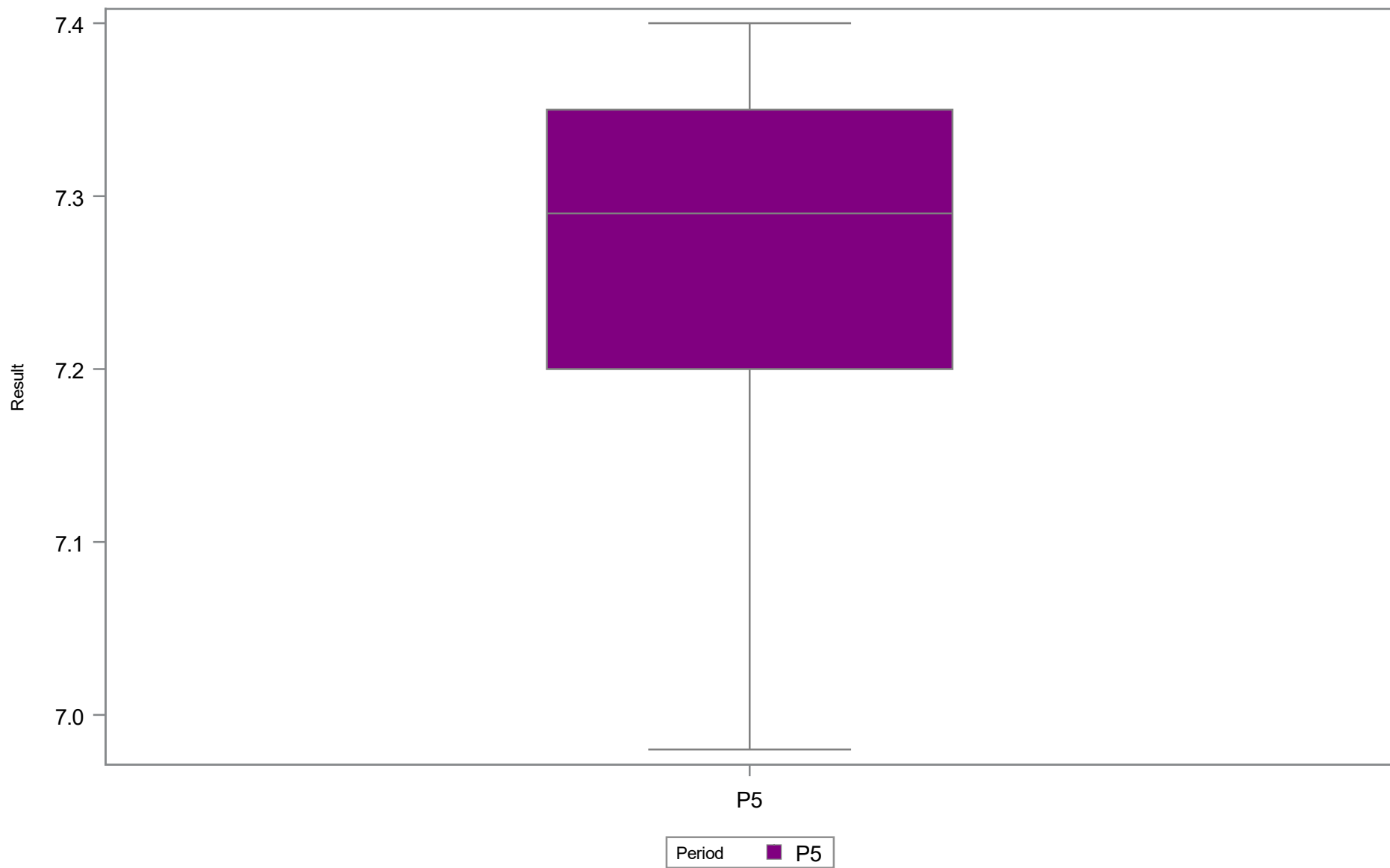
Distributional Statistics by Period for Moris Bridge Sink Bottom PH (su)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	22	6.98	7.20	7.26	7.29	7.35	7.40

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

DRAFT

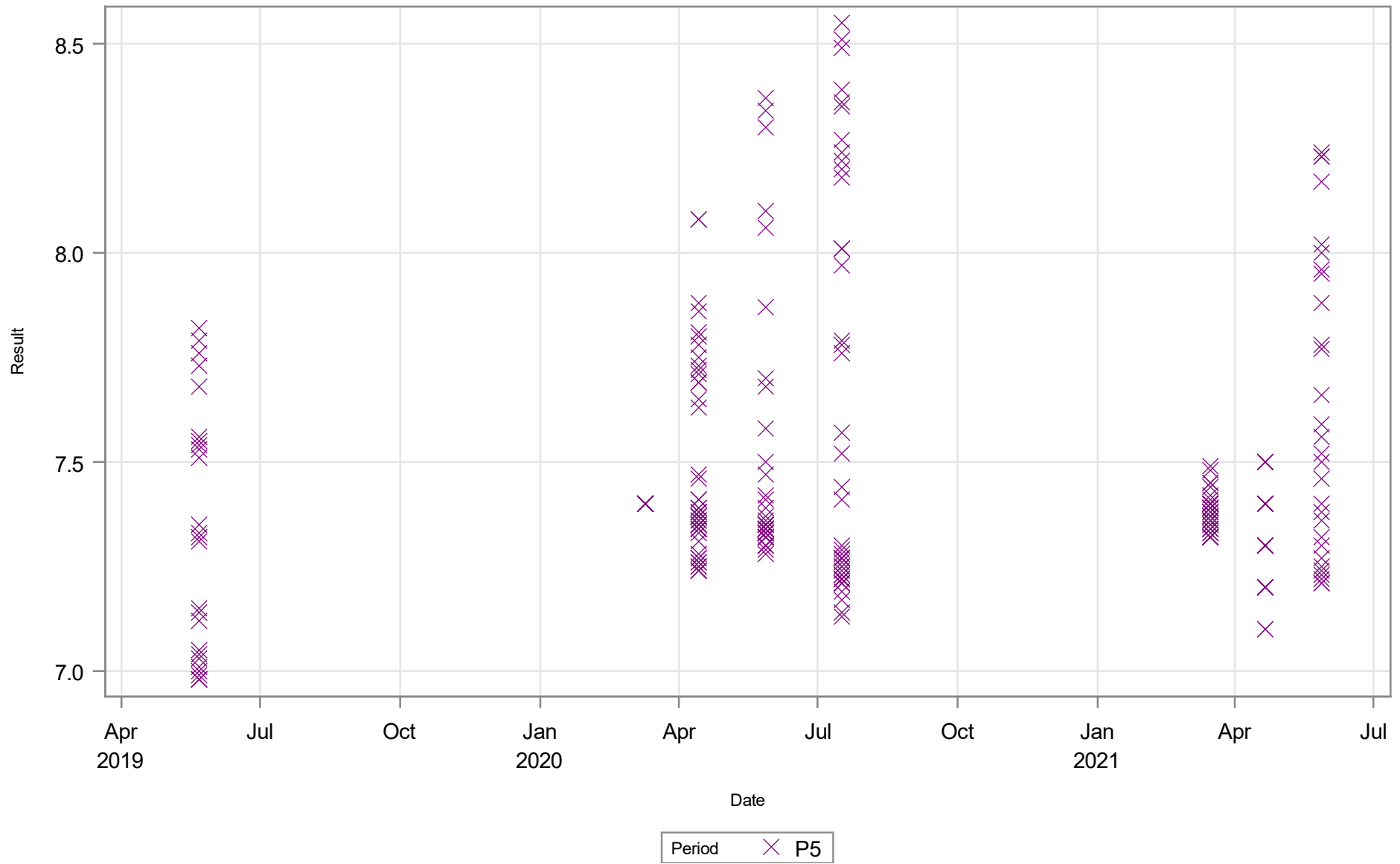
Boxplot by MFL Period for Moris Bridge Sink Bottom PH (su)



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

DRAFT

Timeseries of Moris Bridge Sink Midwater PH (su)

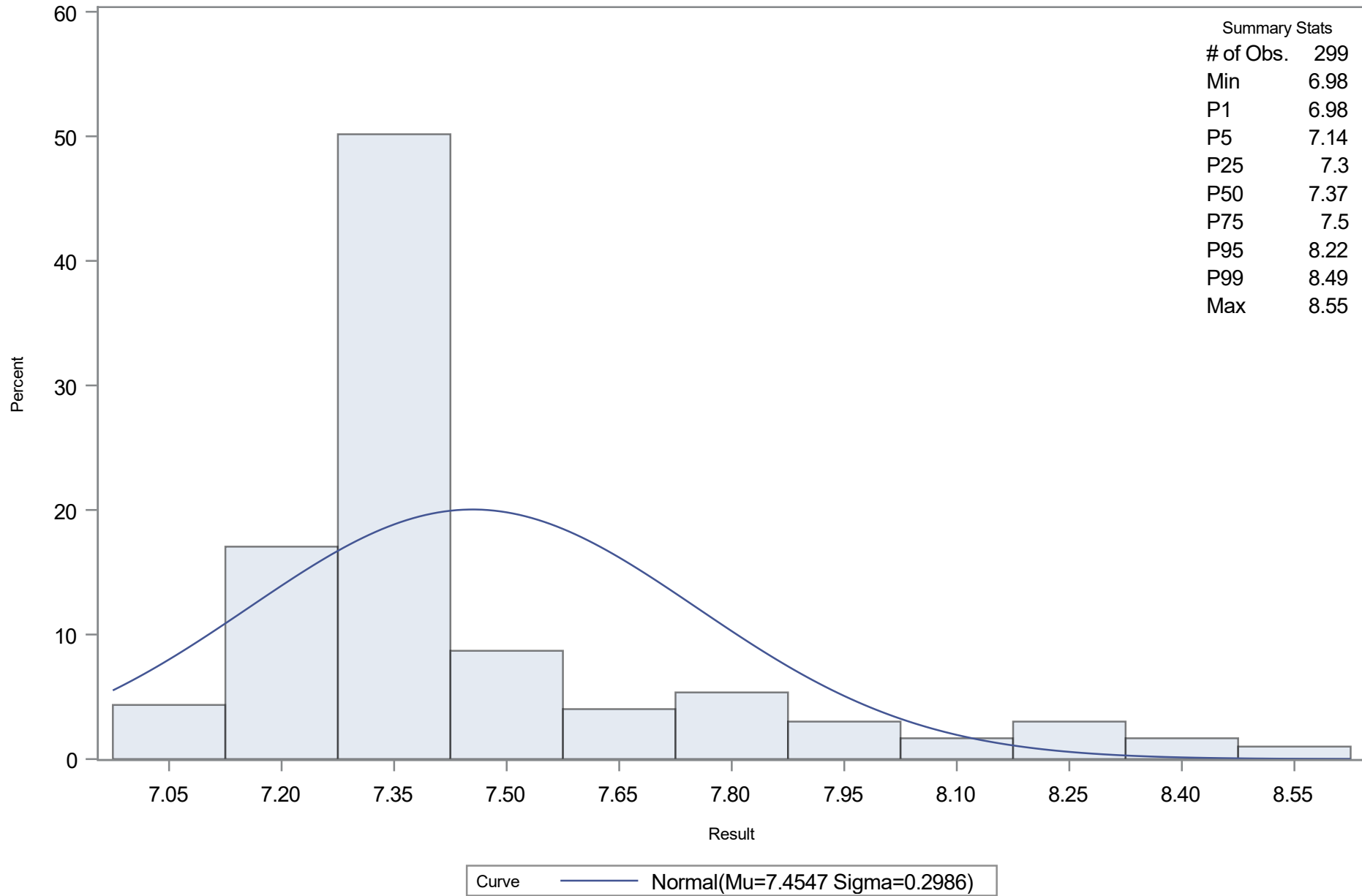


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Moris Bridge Sink Midwater PH (su)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Midwater PH (su)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.454749
Std Dev	Sigma	0.298625

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2685890	Pr > D	<0.010
Cramer-von Mises	W-Sq	4.3301326	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	22.1532763	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.98000	6.76004
5.0	7.14000	6.96356
10.0	7.21000	7.07205
25.0	7.30000	7.25333
50.0	7.37000	7.45475
75.0	7.50000	7.65617
90.0	7.88000	7.83745
95.0	8.22000	7.94594
99.0	8.49000	8.14945

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

DRAFT

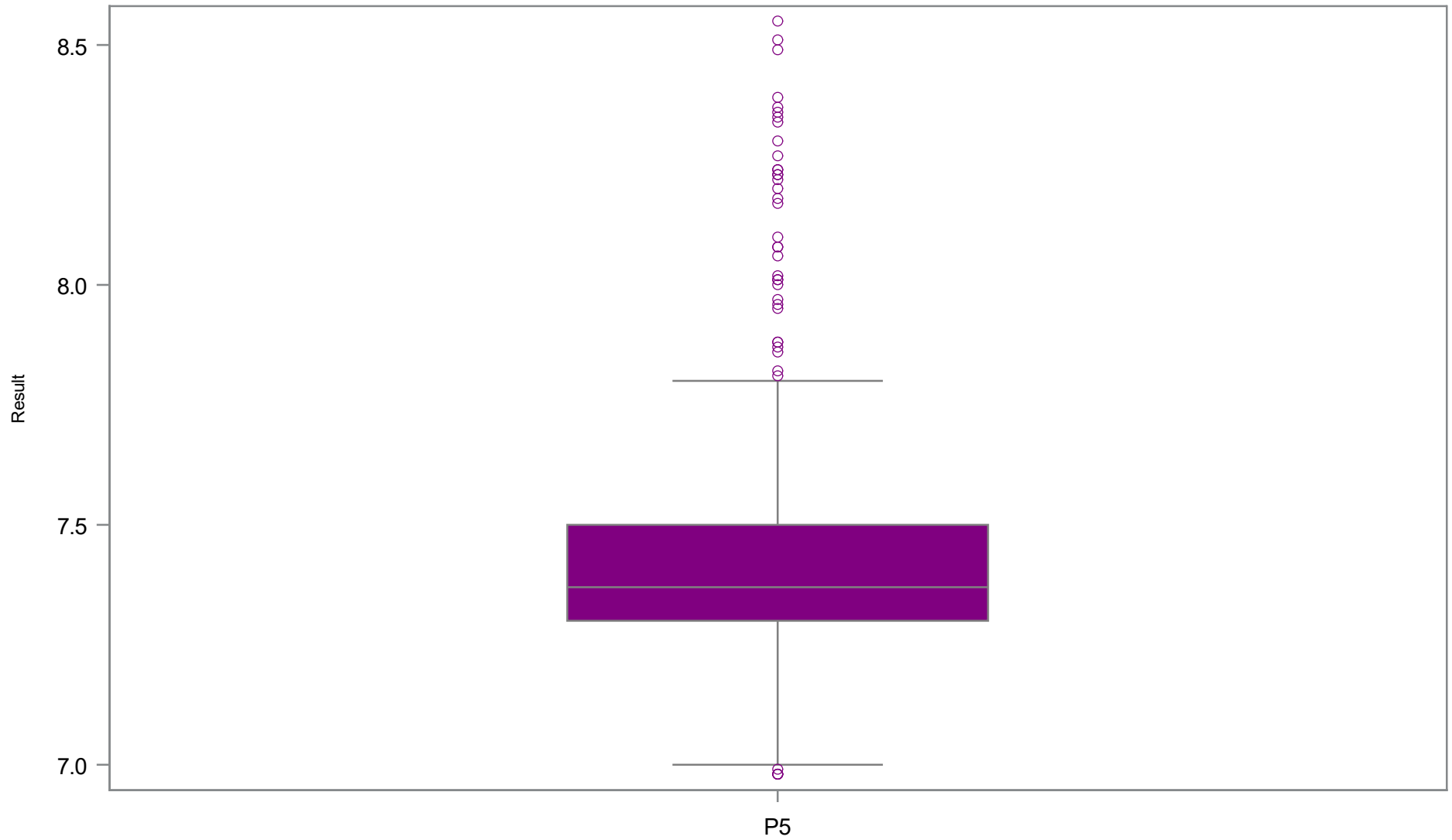
Distributional Statistics by Period for Moris Bridge Sink Midwater PH (su)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	299	6.98	7.30	7.45	7.37	7.50	8.55

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Midwater PH (su)

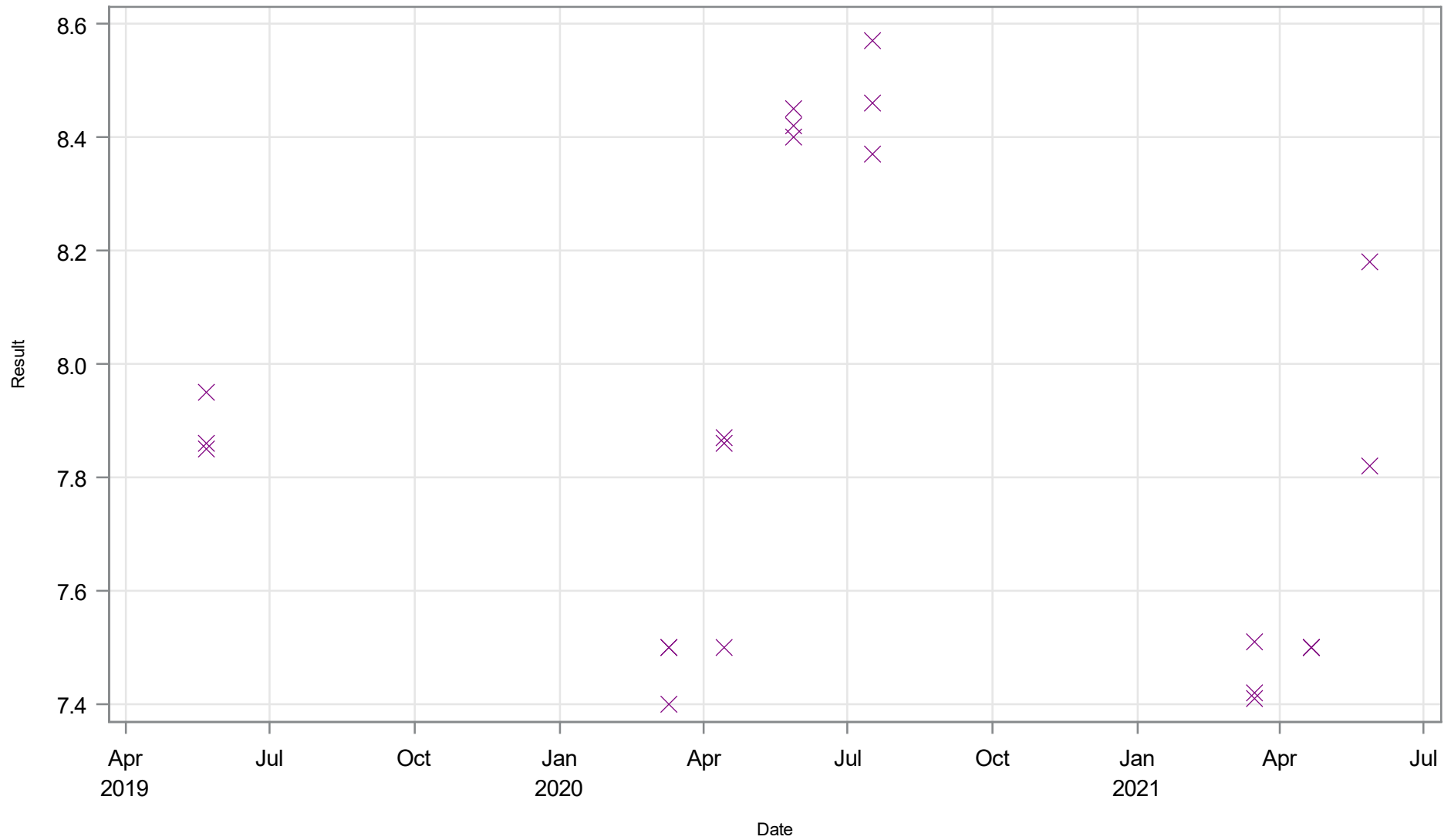


Period ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Surface PH (su)



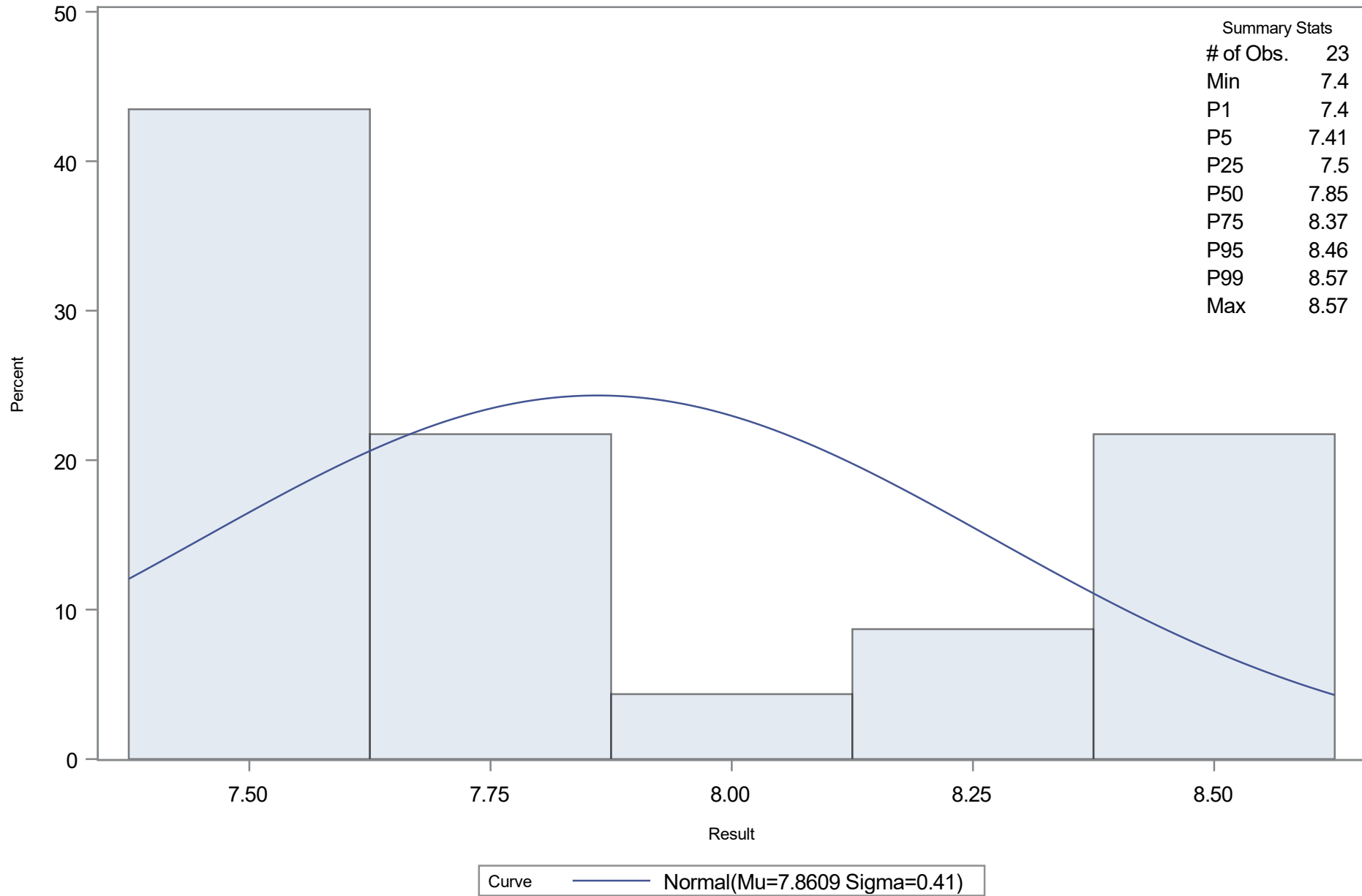
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface PH (su)

Distribution of Result



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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface PH (su)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.86087
Std Dev	Sigma	0.409966

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.23874247	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.20236813	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.32014968	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	7.40000	6.90715
5.0	7.41000	7.18654
10.0	7.42000	7.33548
25.0	7.50000	7.58435
50.0	7.85000	7.86087
75.0	8.37000	8.13739
90.0	8.45000	8.38626
95.0	8.46000	8.53520
99.0	8.57000	8.81459

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

DRAFT

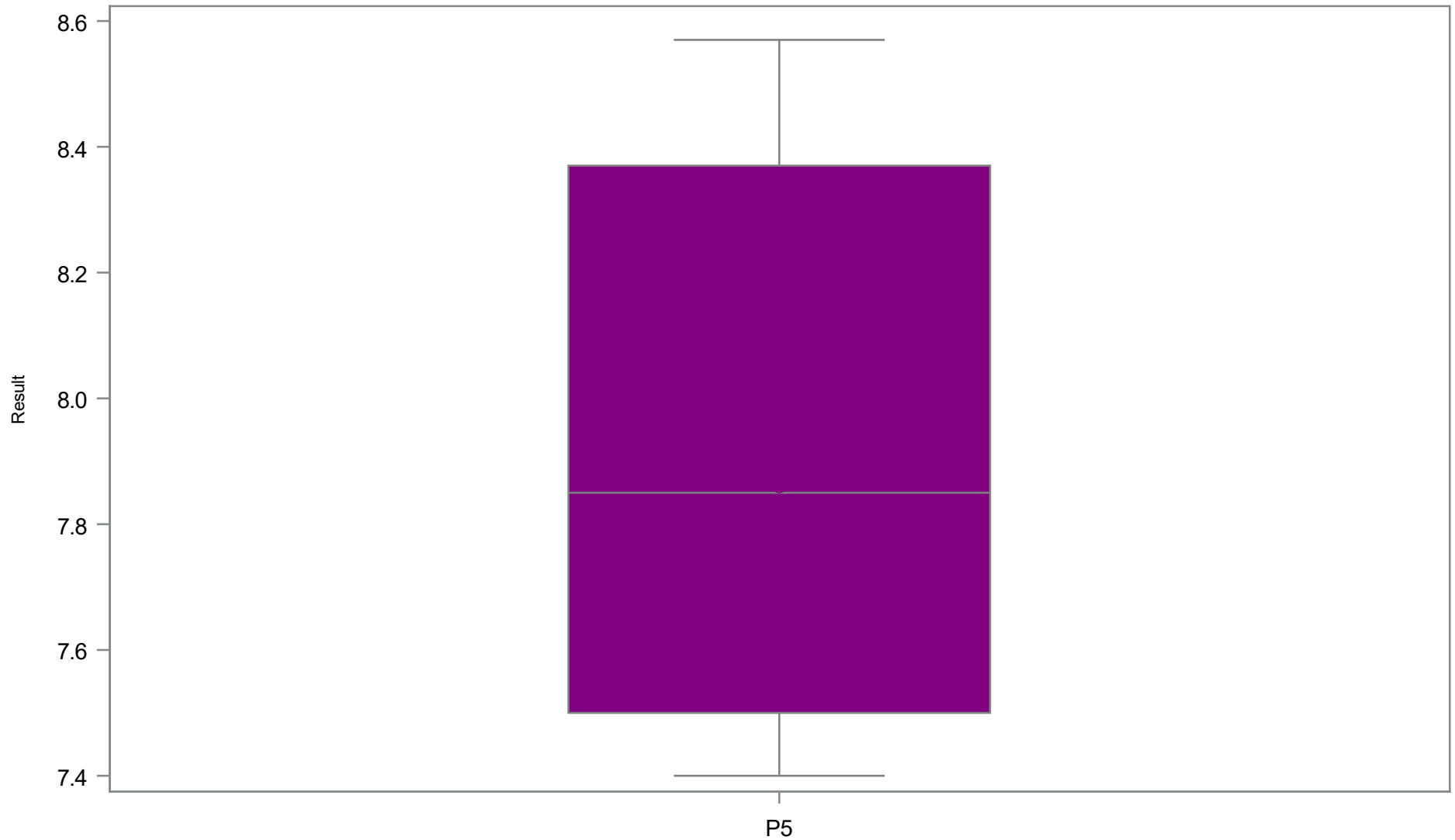
Distributional Statistics by Period for Moris Bridge Sink Surface PH (su)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	23	7.40	7.50	7.86	7.85	8.37	8.57

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface PH (su)

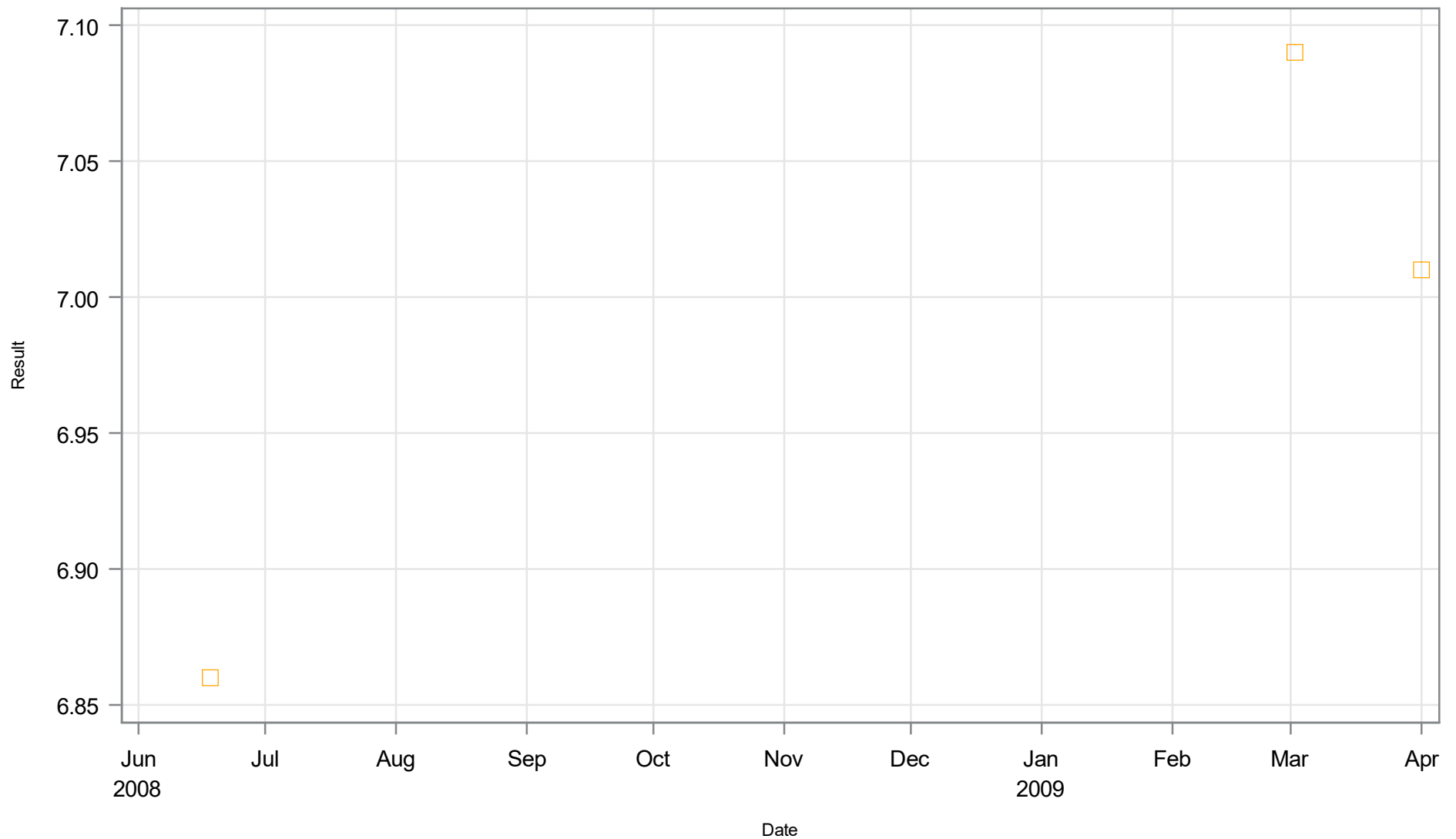


Period ■ P5

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

DRAFT

Timeseries of Surface PH (su)



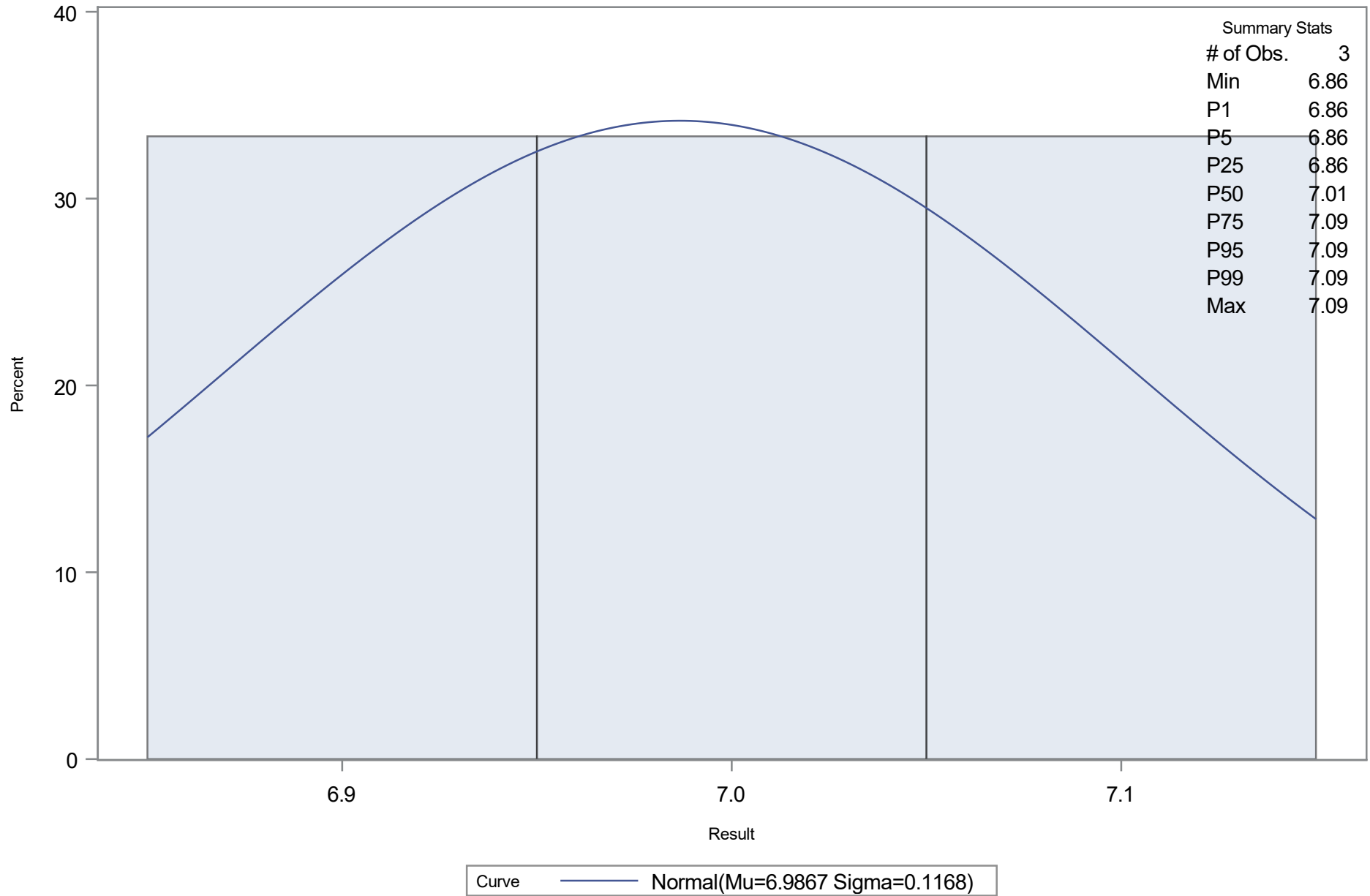
Period □ P3

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

DRAFT

Univariate Histogram of Surface PH (su)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface PH (su)

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		
Percent	Quantile	
	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

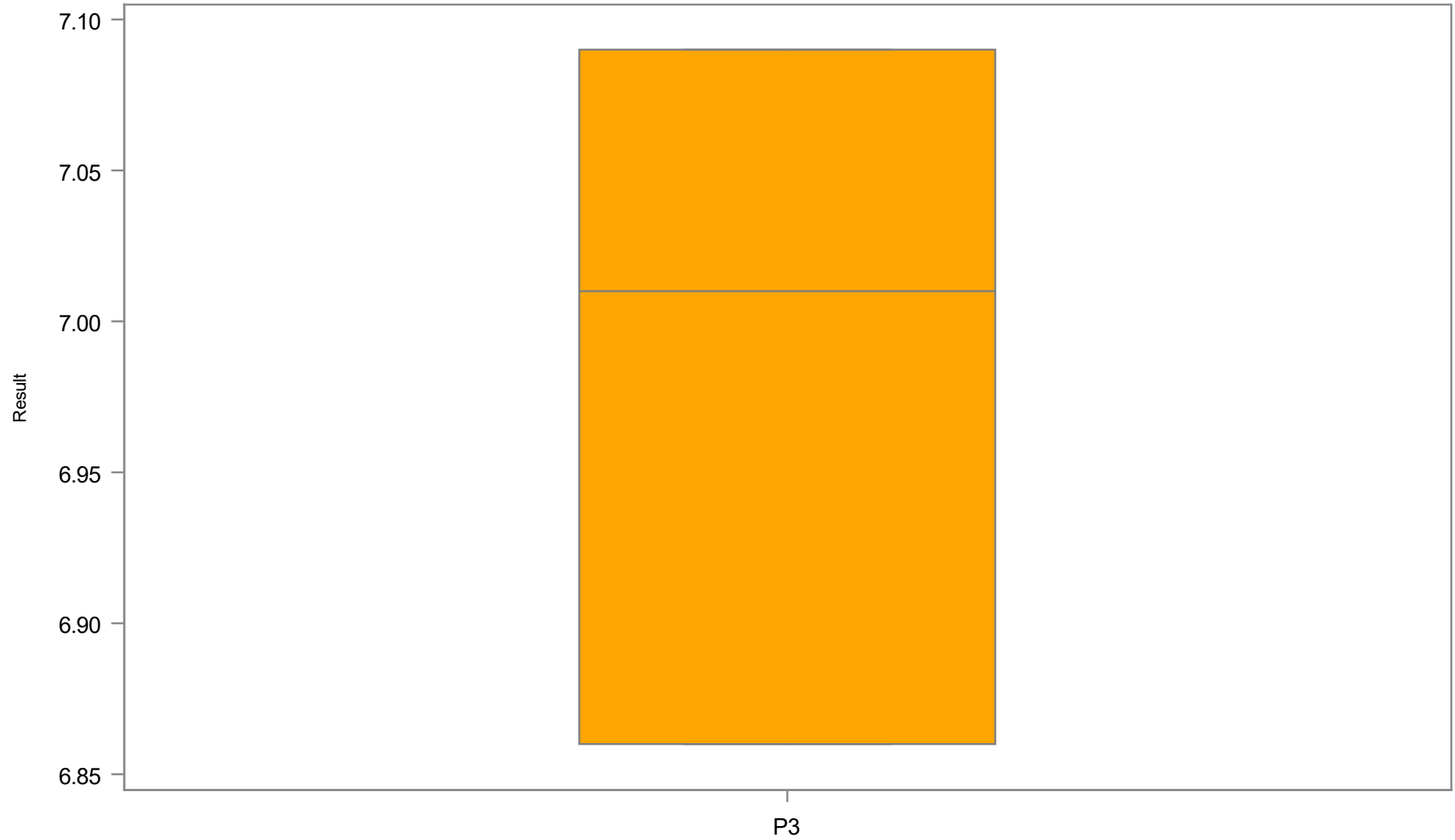
Distributional Statistics by Period for Surface PH (su)

	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)

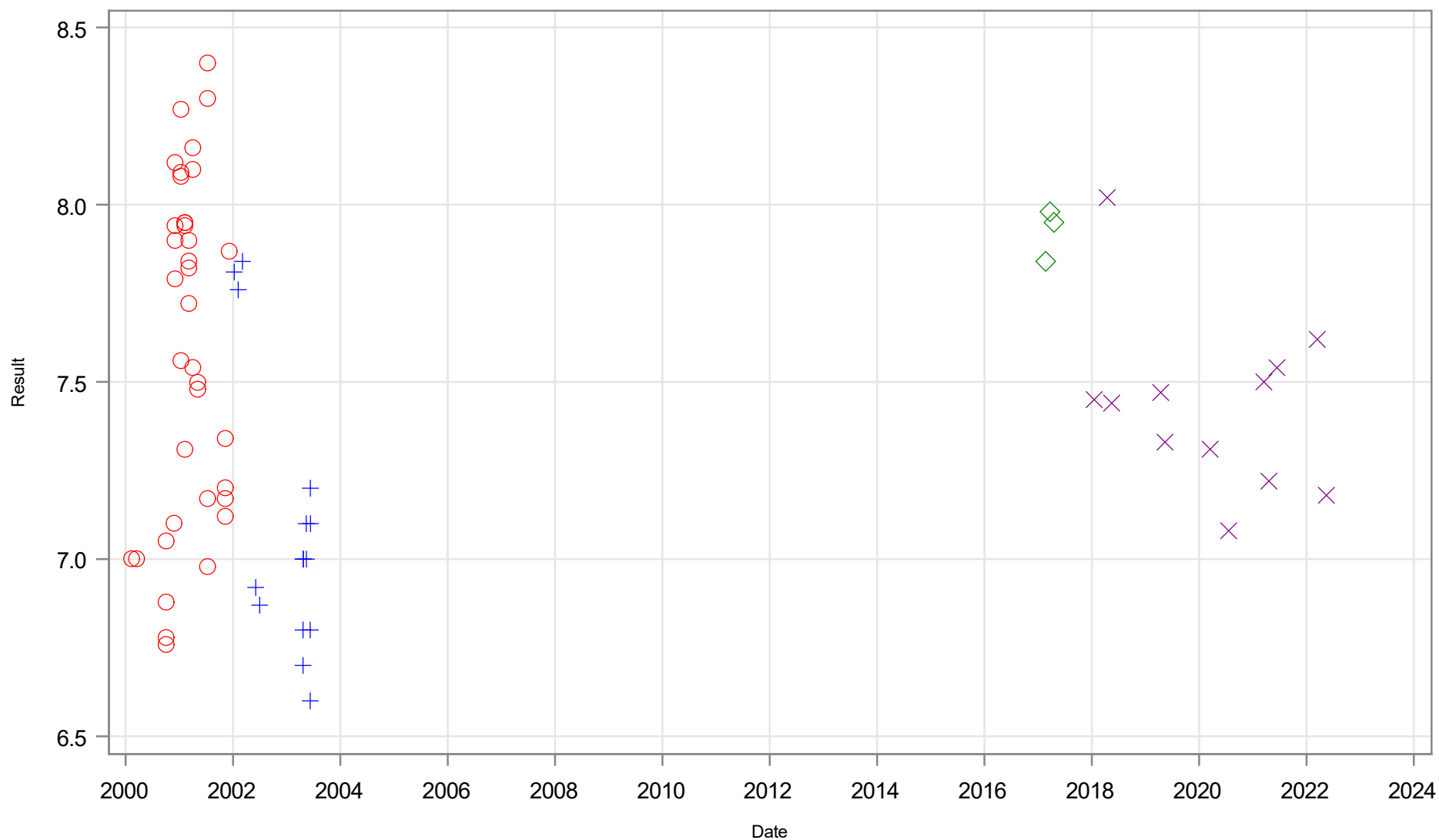


Period ■ P3

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

DRAFT

Timeseries of Hillsborough River Reservoir Bottom PH (su)



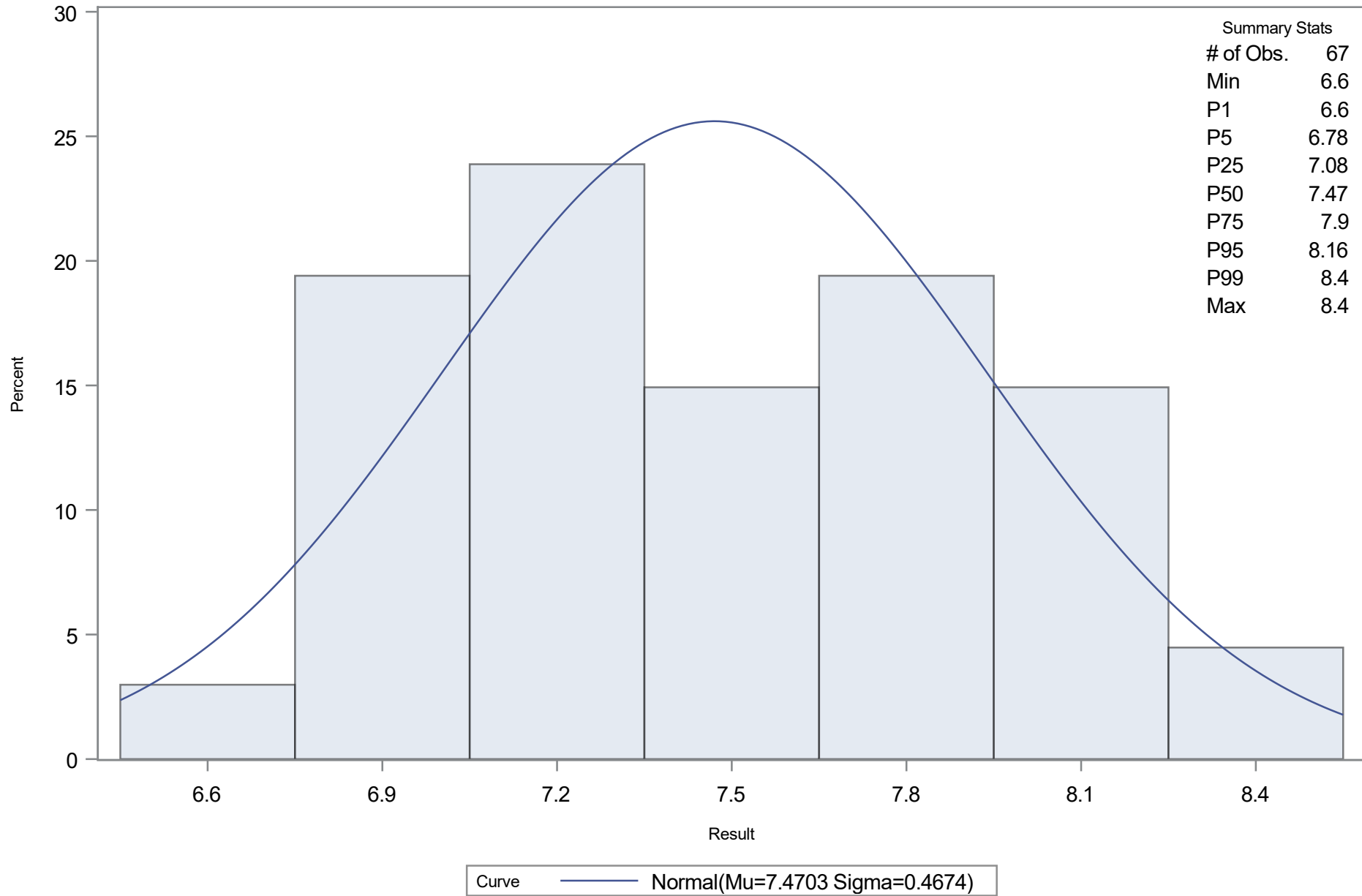
Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Bottom PH (su)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Bottom PH (su)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.470299
Std Dev	Sigma	0.467381

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.11122990	Pr > D	0.039
Cramer-von Mises	W-Sq	0.17511625	Pr > W-Sq	0.011
Anderson-Darling	A-Sq	1.00741725	Pr > A-Sq	0.011

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.60000	6.38301
5.0	6.78000	6.70152
10.0	6.87000	6.87133
25.0	7.08000	7.15505
50.0	7.47000	7.47030
75.0	7.90000	7.78554
90.0	8.09000	8.06927
95.0	8.16000	8.23907
99.0	8.40000	8.55759

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

DRAFT

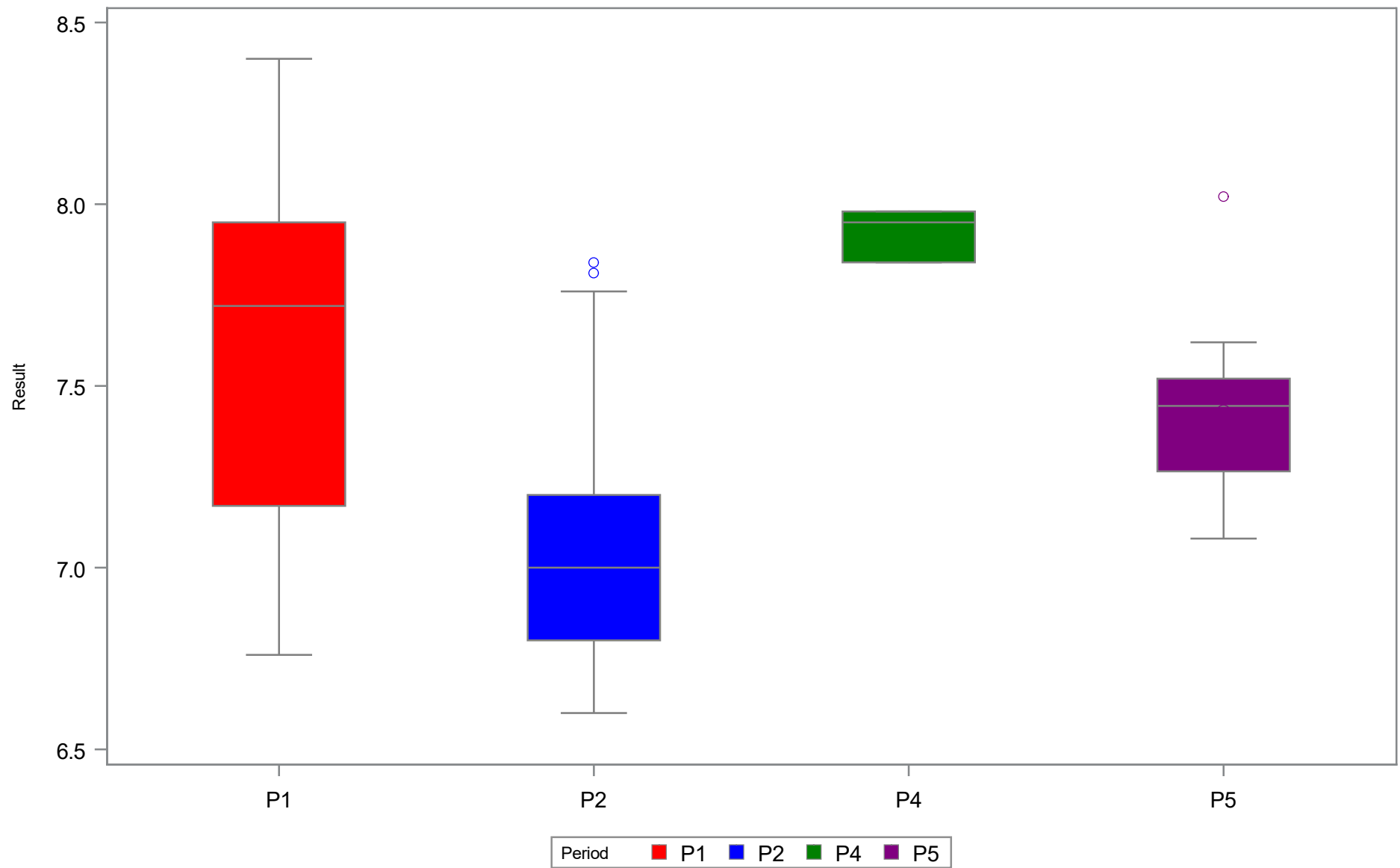
Distributional Statistics by Period for Hillsborough River Reservoir Bottom PH (su)

	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	3	7.84	7.84	7.92	7.95	7.98	7.98
P5	12	7.08	7.27	7.43	7.45	7.52	8.02

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

DRAFT

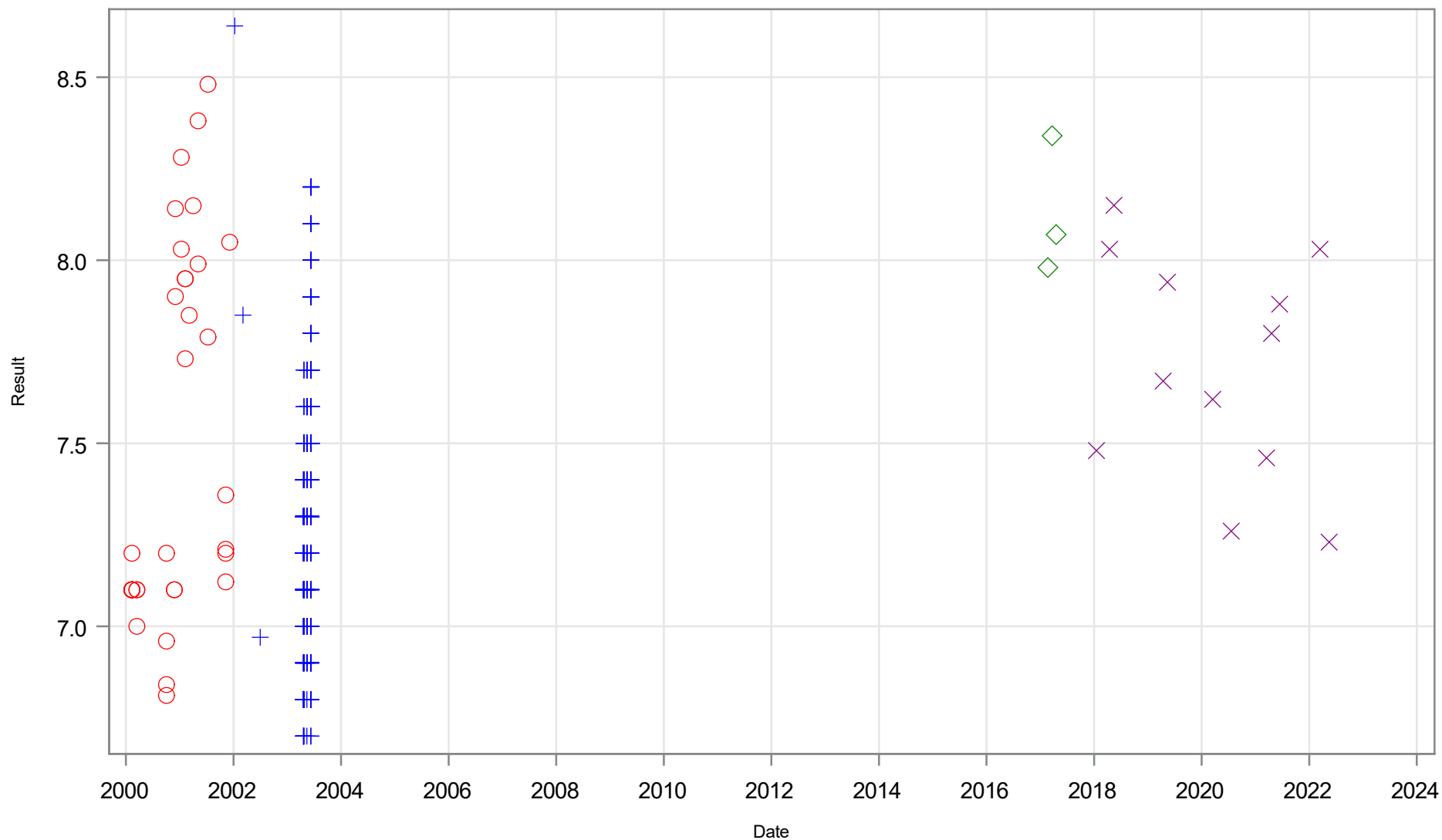
Boxplot by MFL Period for Hillsborough River Reservoir Bottom PH (su)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater PH (su)



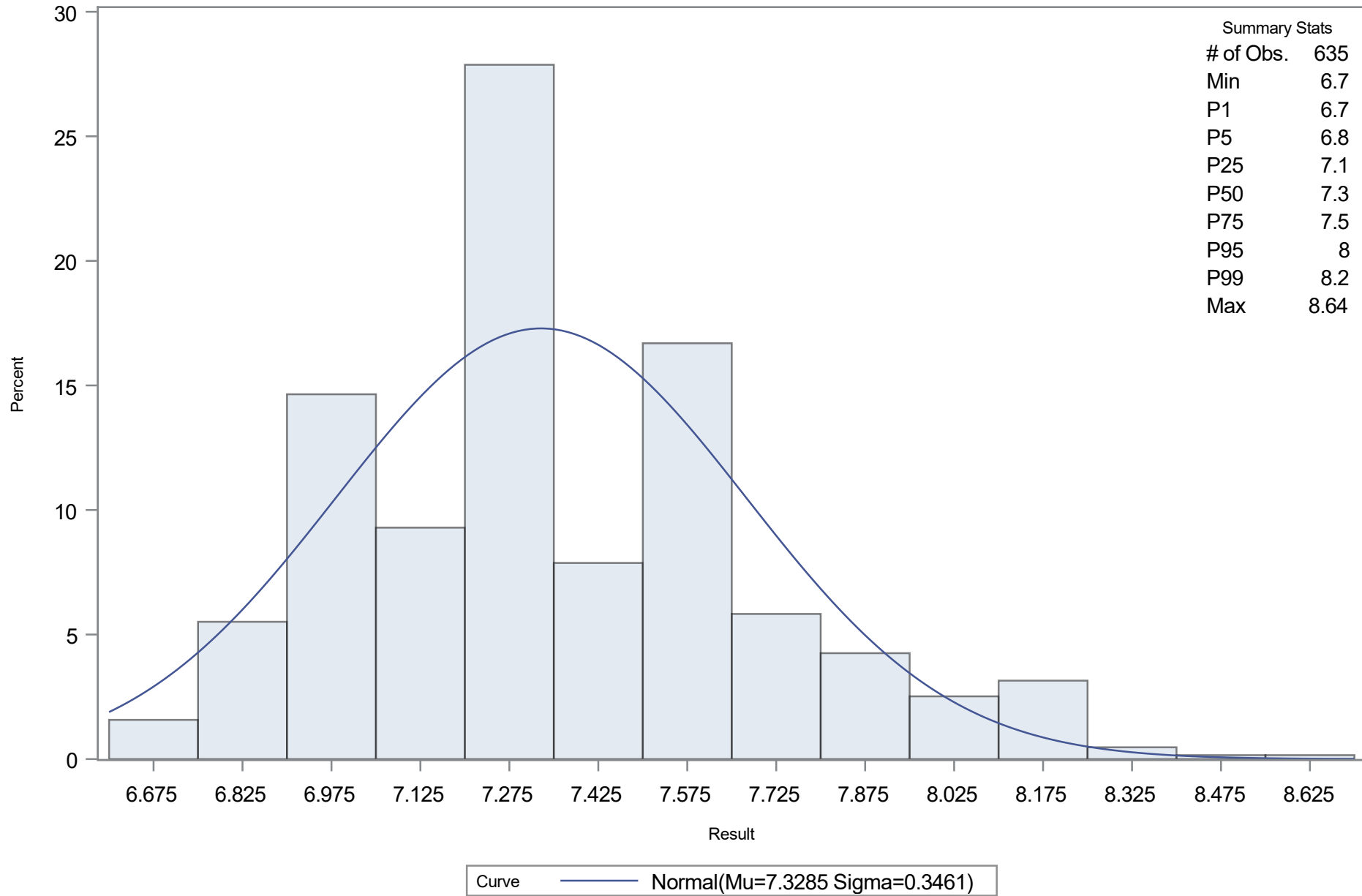
Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Midwater PH (su)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.328457
Std Dev	Sigma	0.346115

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.12173946	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.10626529	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	6.44678653	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.70000	6.52327
5.0	6.80000	6.75915
10.0	6.90000	6.88489
25.0	7.10000	7.09501
50.0	7.30000	7.32846
75.0	7.50000	7.56191
90.0	7.80000	7.77202
95.0	8.00000	7.89777
99.0	8.20000	8.13364

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

DRAFT

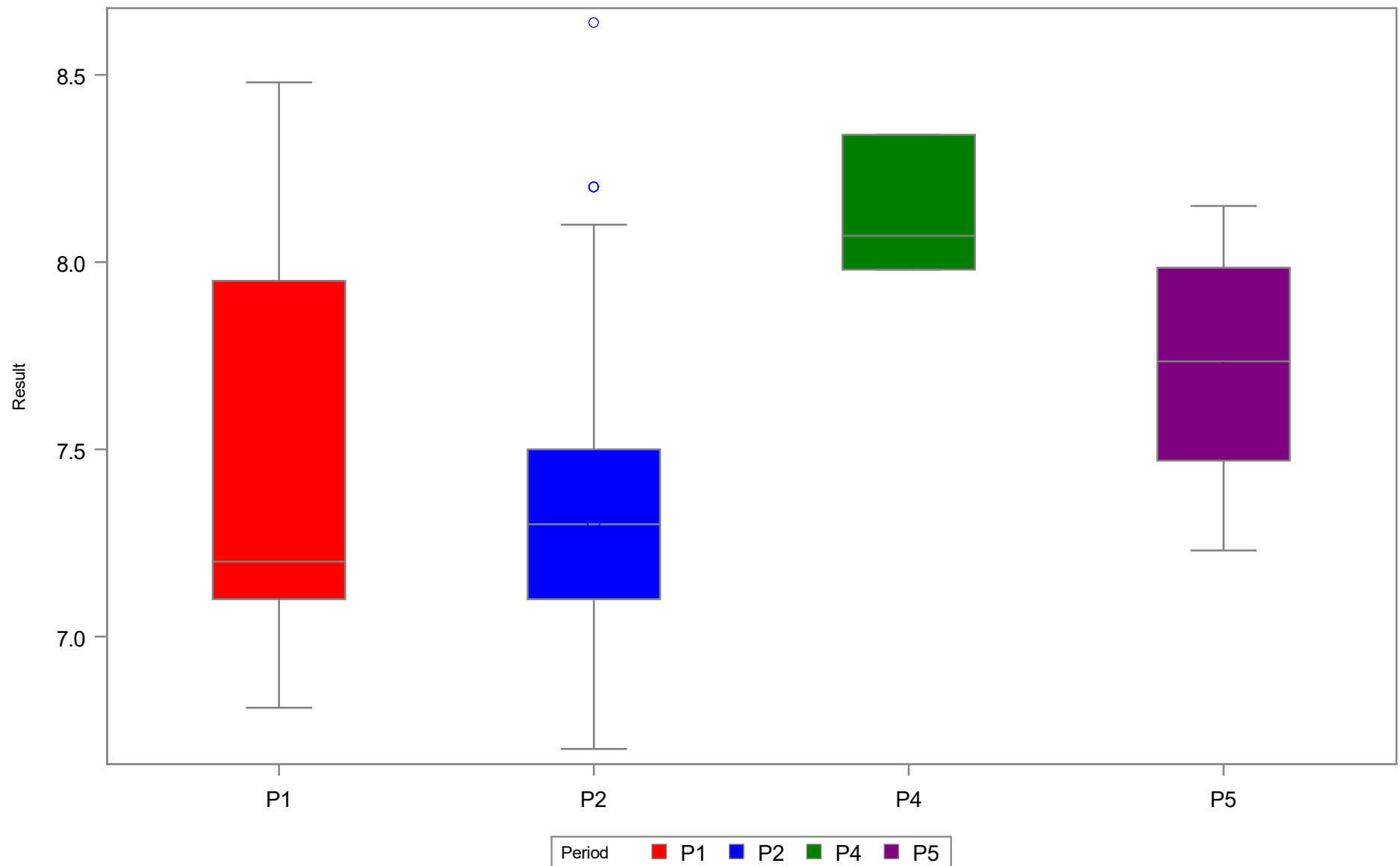
Distributional Statistics by Period for Hillsborough River Reservoir Midwater PH (su)

	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	3	7.98	7.98	8.13	8.07	8.34	8.34
P5	12	7.23	7.47	7.71	7.74	7.99	8.15

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

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Boxplot by MFL Period for Hillsborough River Reservoir Midwater PH (su)



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

DRAFT

Timeseries of Hillsborough River Reservoir Surface PH (su)



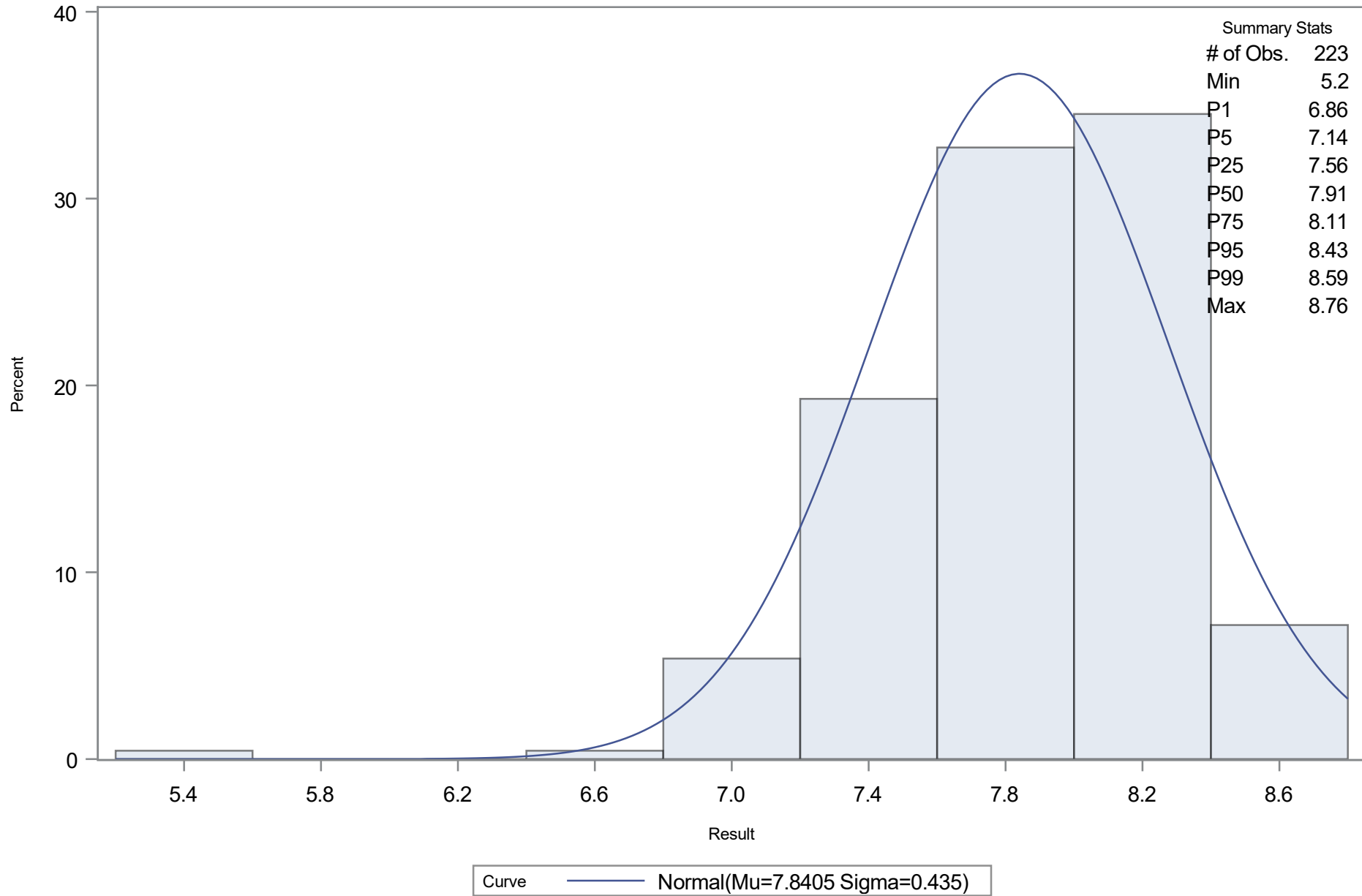
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Surface PH (su)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Surface PH (su)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.840538
Std Dev	Sigma	0.435022

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10000633	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.45573022	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.39195119	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.86000	6.82853
5.0	7.14000	7.12499
10.0	7.29000	7.28304
25.0	7.56000	7.54712
50.0	7.91000	7.84054
75.0	8.11000	8.13396
90.0	8.32000	8.39804
95.0	8.43000	8.55609
99.0	8.59000	8.85255

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

DRAFT

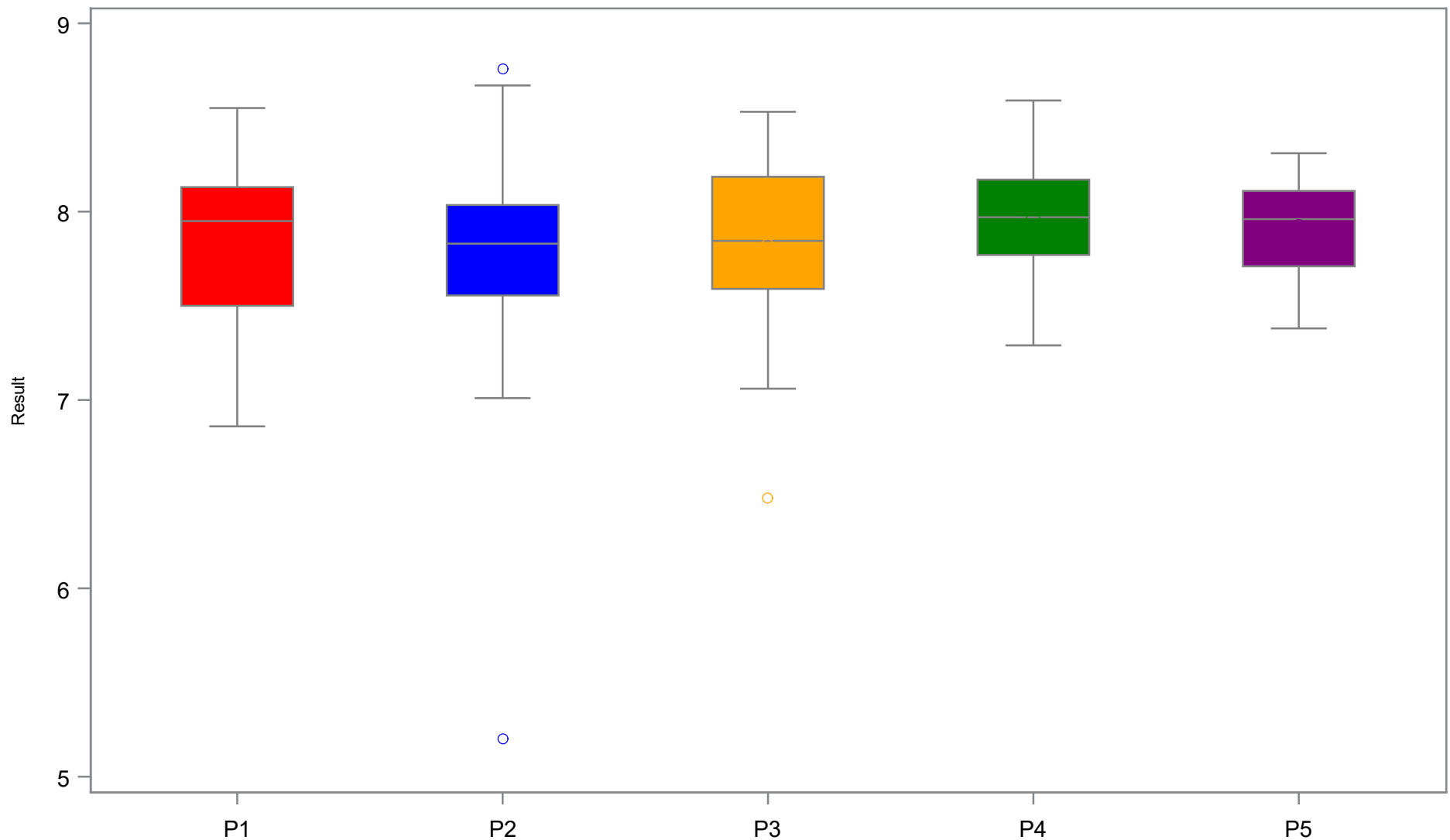
Distributional Statistics by Period for Hillsborough River Reservoir Surface PH (su)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	99	6.86	7.50	7.84	7.95	8.13	8.55
P2	56	5.20	7.56	7.77	7.83	8.04	8.76
P3	20	6.48	7.59	7.82	7.85	8.19	8.53
P4	21	7.29	7.77	7.96	7.97	8.17	8.59
P5	27	7.38	7.71	7.92	7.96	8.11	8.31

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface PH (su)



Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Upper Hillsborough River Bottom PH (su)

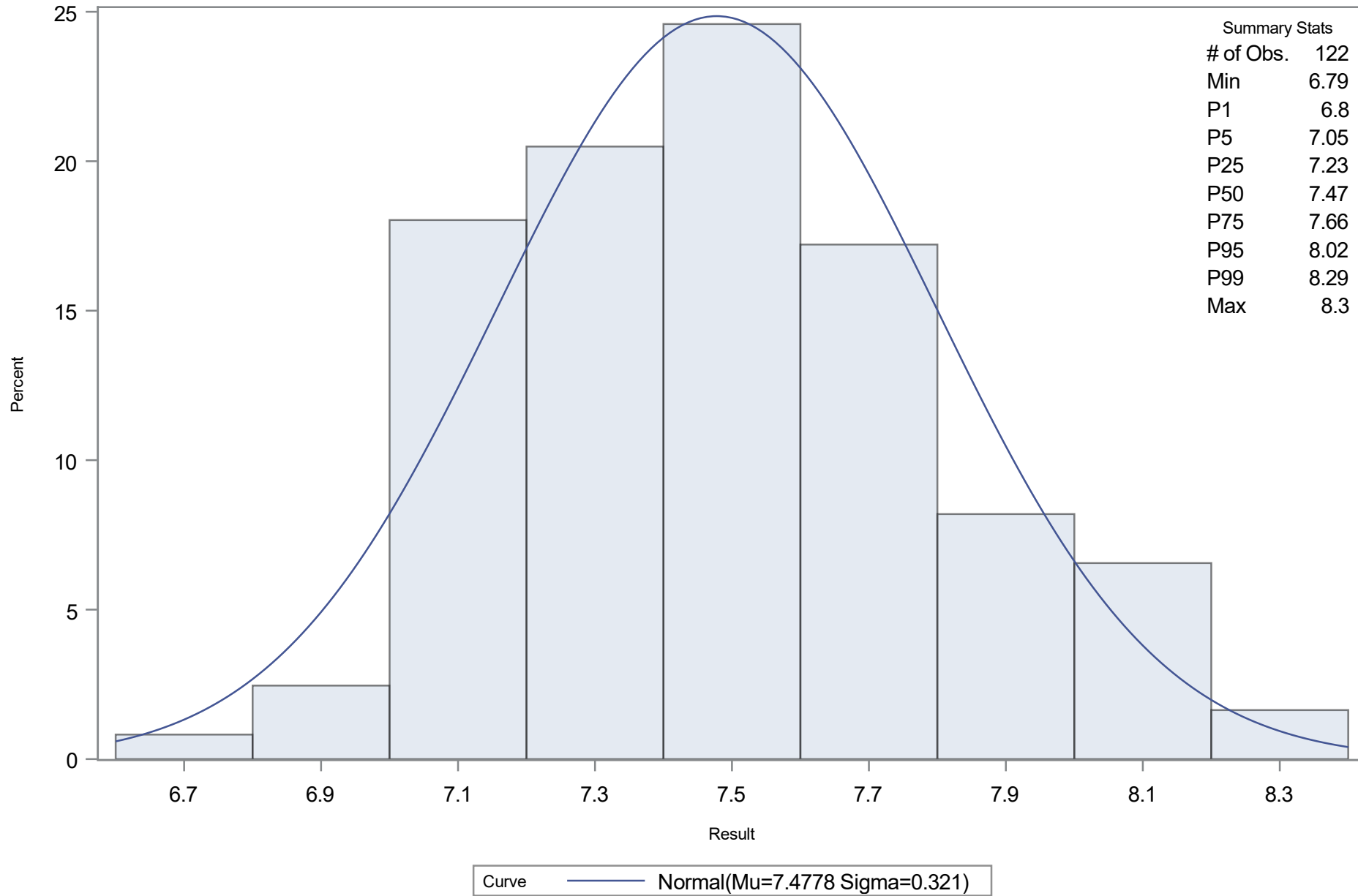


Period ○ P1 + P2 □ P3 ◇ P4 × P5

DRAFT

Univariate Histogram of Upper Hillsborough River Bottom PH (su)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Bottom PH (su)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.477787
Std Dev	Sigma	0.321015

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.05431321	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.08446639	Pr > W-Sq	0.186
Anderson-Darling	A-Sq	0.59133535	Pr > A-Sq	0.126

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.80000	6.73100
5.0	7.05000	6.94976
10.0	7.08000	7.06639
25.0	7.23000	7.26127
50.0	7.47000	7.47779
75.0	7.66000	7.69431
90.0	7.95000	7.88918
95.0	8.02000	8.00581
99.0	8.29000	8.22458

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

DRAFT

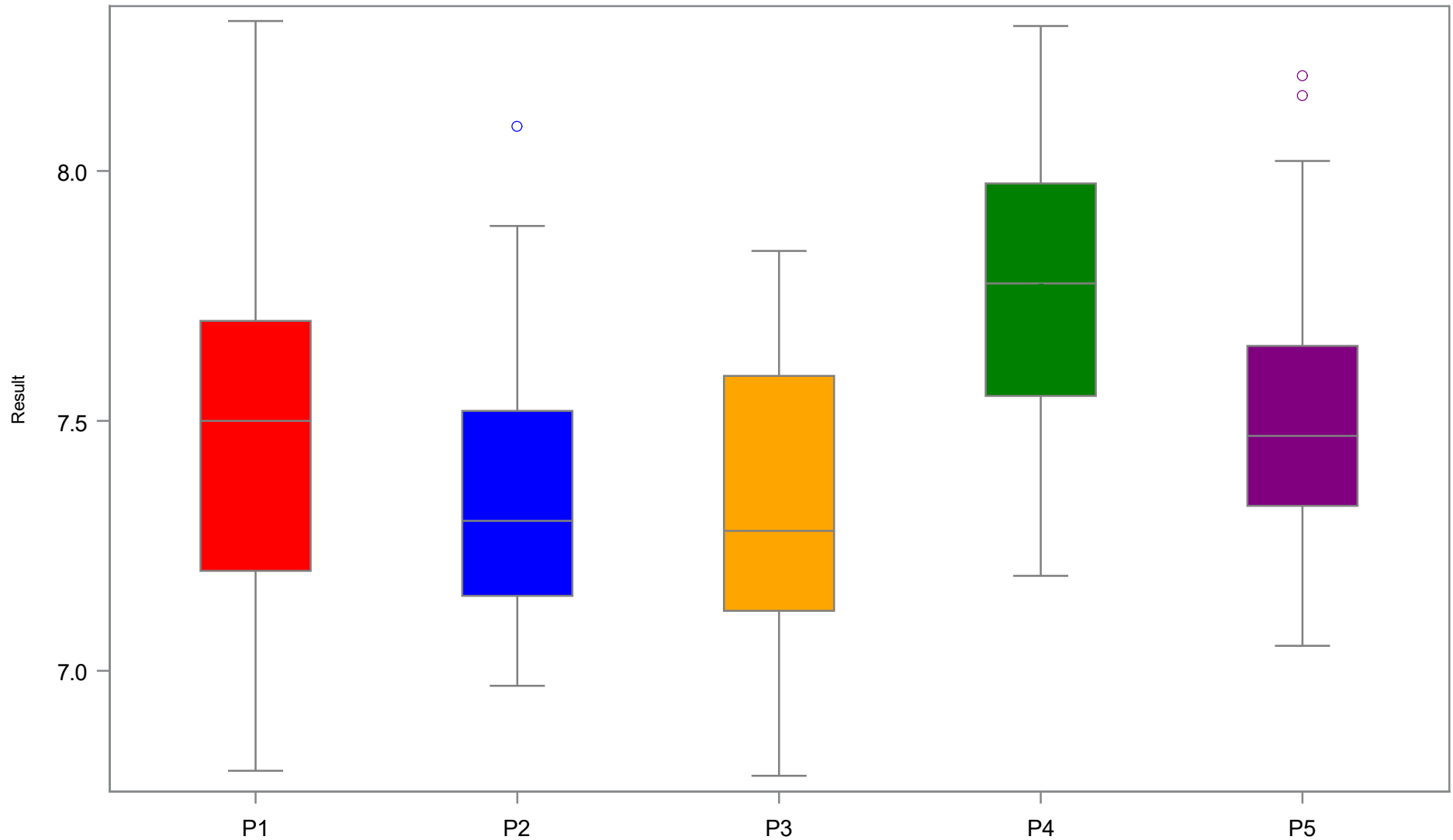
Distributional Statistics by Period for Upper Hillsborough River Bottom PH (su)

	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	16	7.19	7.55	7.76	7.78	7.98	8.29
P5	34	7.05	7.33	7.51	7.47	7.65	8.19

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Bottom PH (su)



Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Upper Hillsborough River Midwater PH (su)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

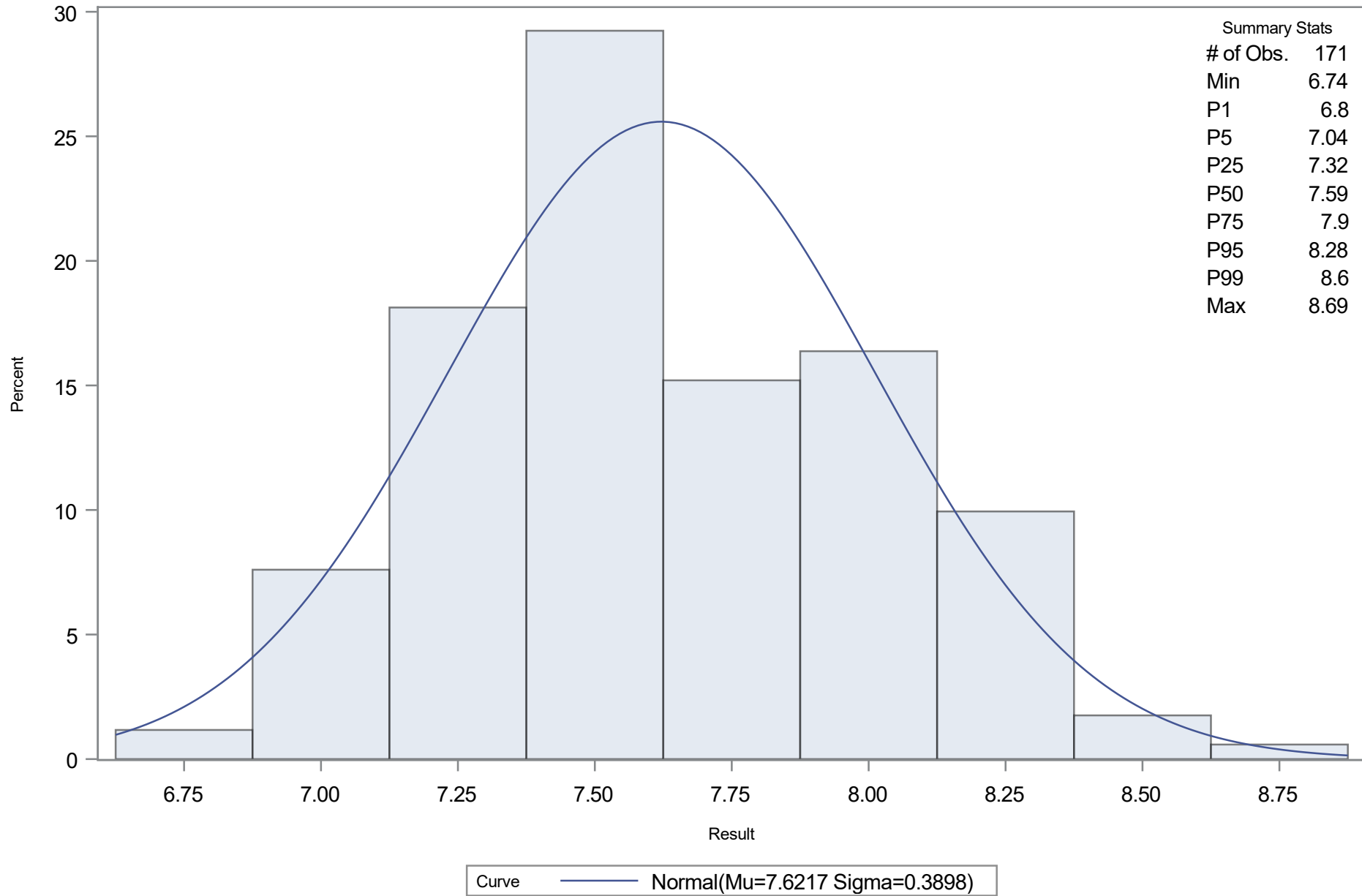
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Upper Hillsborough River Midwater PH (su)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Midwater PH (su)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.621696
Std Dev	Sigma	0.389769

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.06313932	Pr > D	0.093
Cramer-von Mises	W-Sq	0.13886005	Pr > W-Sq	0.035
Anderson-Darling	A-Sq	0.82973566	Pr > A-Sq	0.033

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.80000	6.71496
5.0	7.04000	6.98058
10.0	7.14000	7.12219
25.0	7.32000	7.35880
50.0	7.59000	7.62170
75.0	7.90000	7.88459
90.0	8.15000	8.12121
95.0	8.28000	8.26281
99.0	8.60000	8.52843

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

DRAFT

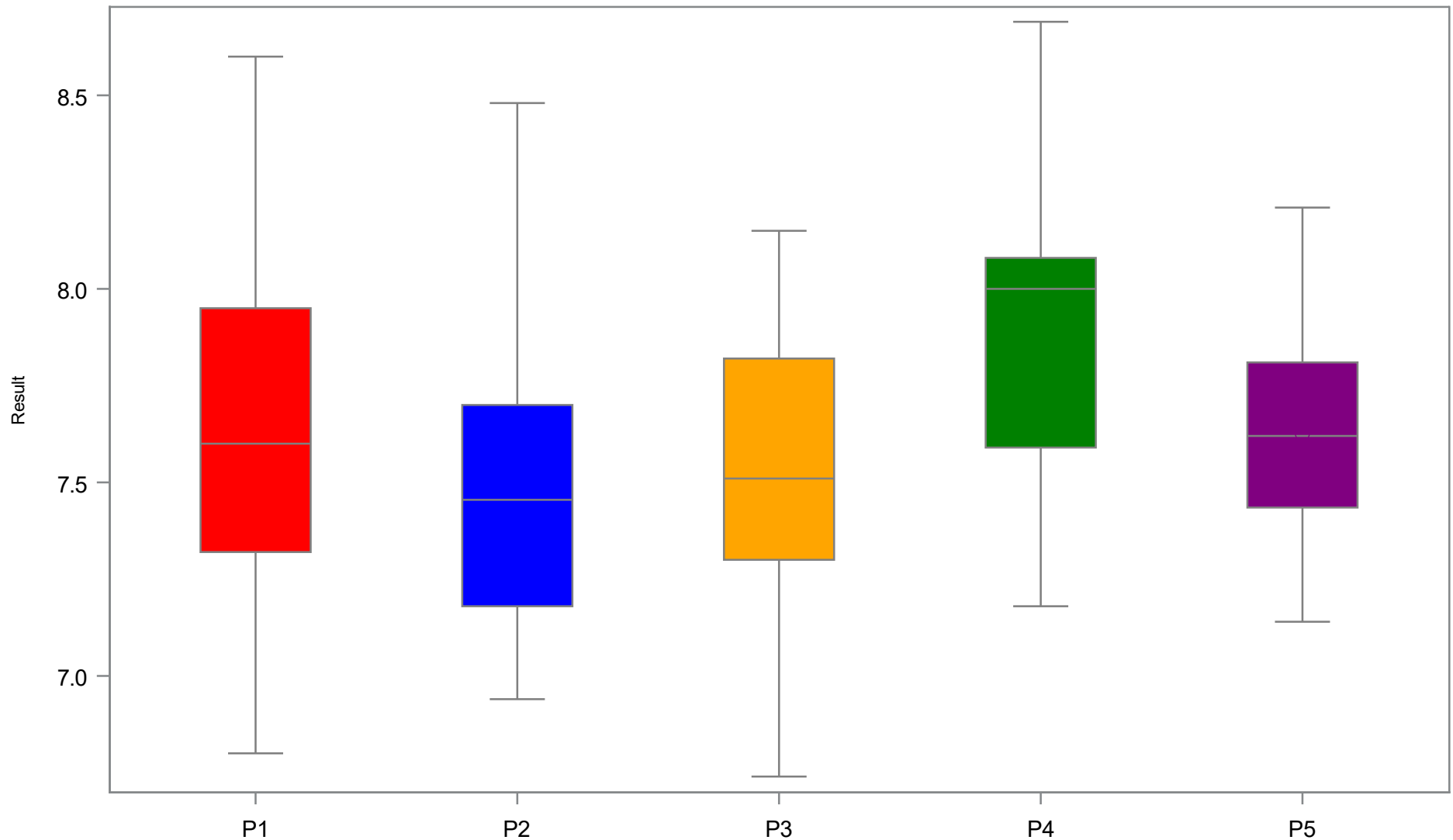
Distributional Statistics by Period for Upper Hillsborough River Midwater PH (su)

	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	7.59	7.88	8.00	8.08	8.69
P5	36	7.14	7.44	7.63	7.62	7.81	8.21

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Midwater PH (su)



Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Upper Hillsborough River Surface PH (su)



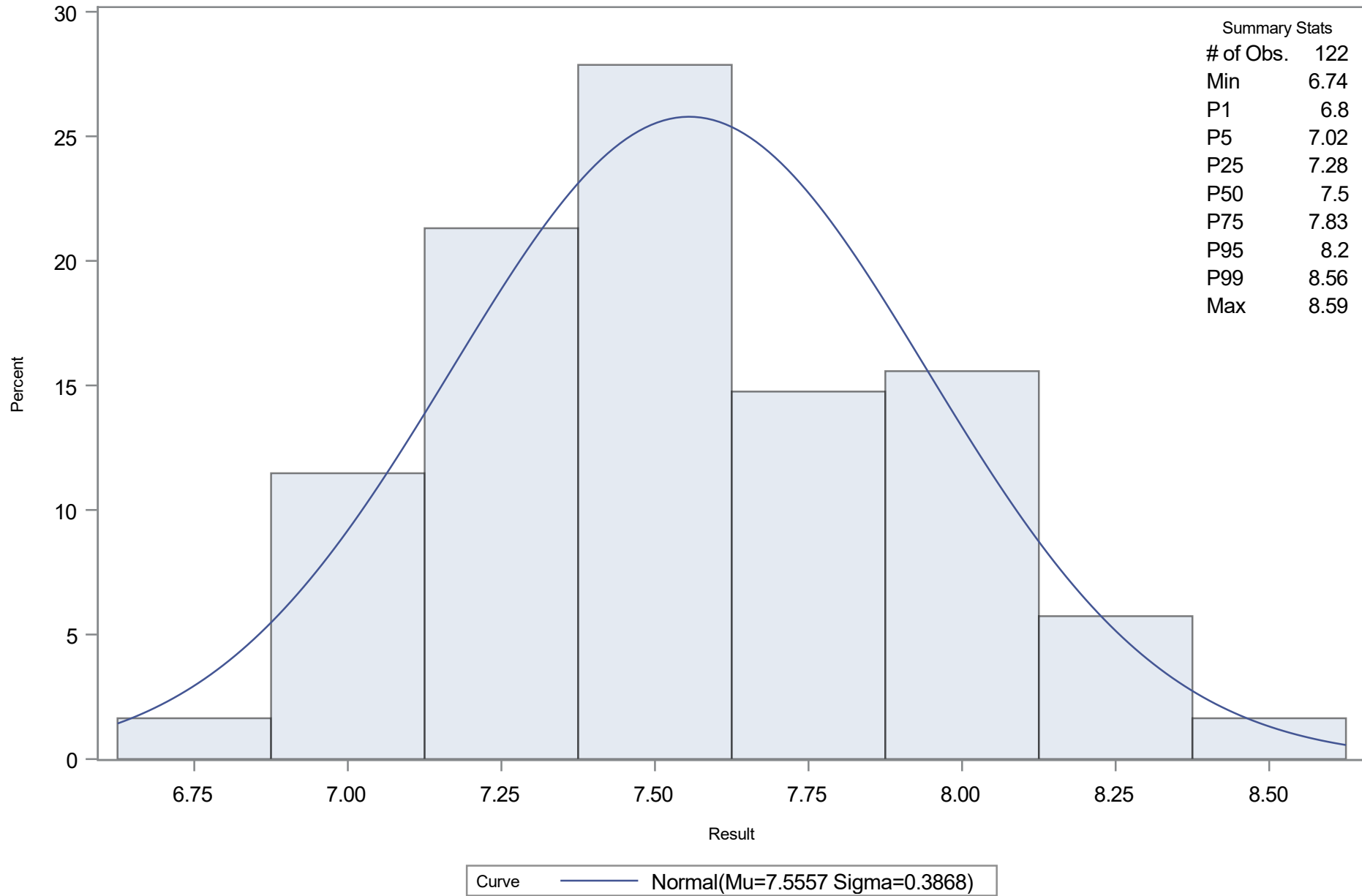
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface PH (su)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface PH (su)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.555656
Std Dev	Sigma	0.386786

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08590468	Pr > D	0.025
Cramer-von Mises	W-Sq	0.13996335	Pr > W-Sq	0.033
Anderson-Darling	A-Sq	0.80055339	Pr > A-Sq	0.039

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	6.80000	6.65586
5.0	7.02000	6.91945
10.0	7.09000	7.05997
25.0	7.28000	7.29477
50.0	7.50000	7.55566
75.0	7.83000	7.81654
90.0	8.09000	8.05134
95.0	8.20000	8.19186
99.0	8.56000	8.45545

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

DRAFT

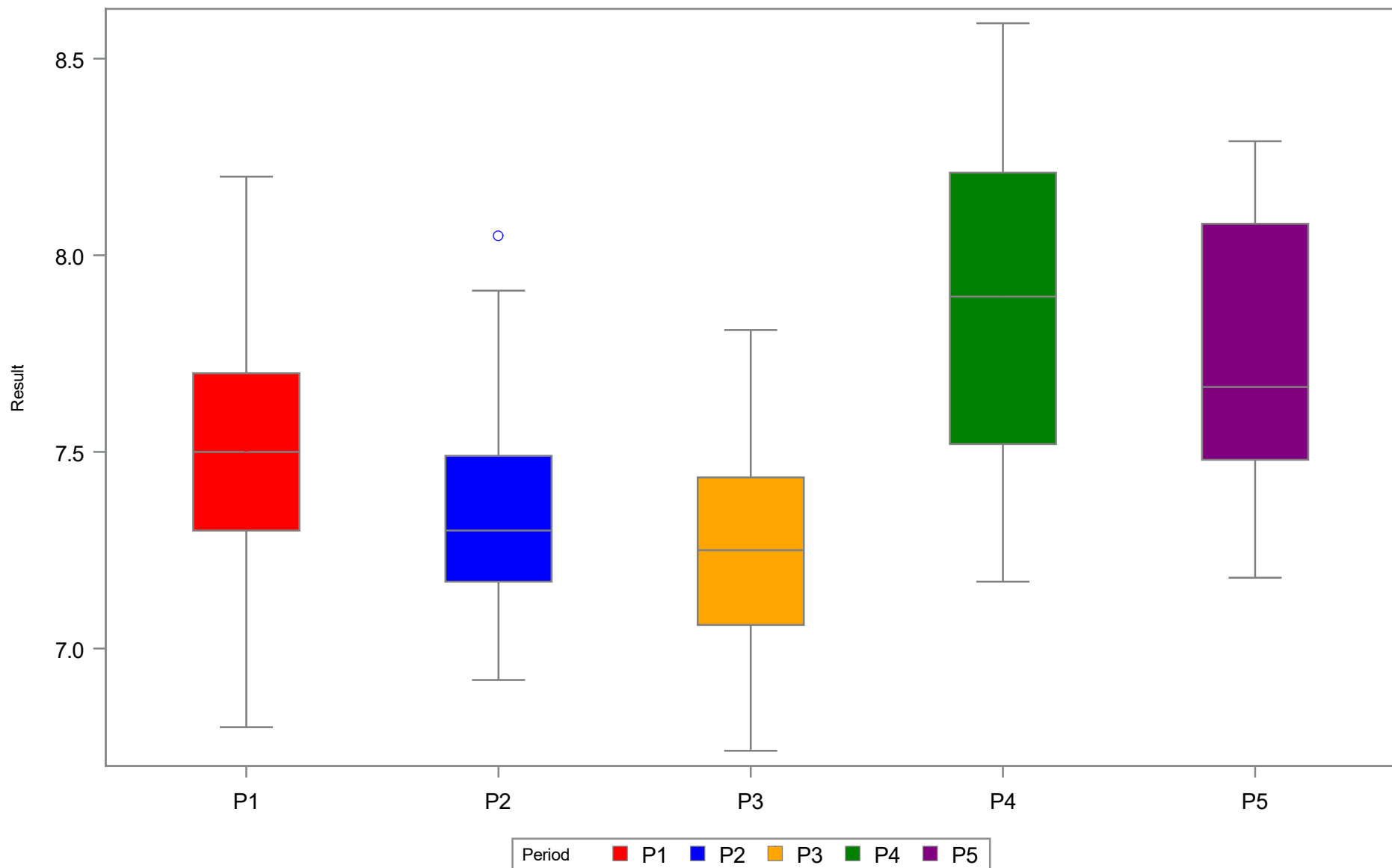
Distributional Statistics by Period for Upper Hillsborough River Surface PH (su)

	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	16	7.17	7.52	7.88	7.90	8.21	8.59
P5	34	7.18	7.48	7.74	7.67	8.08	8.29

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

DRAFT

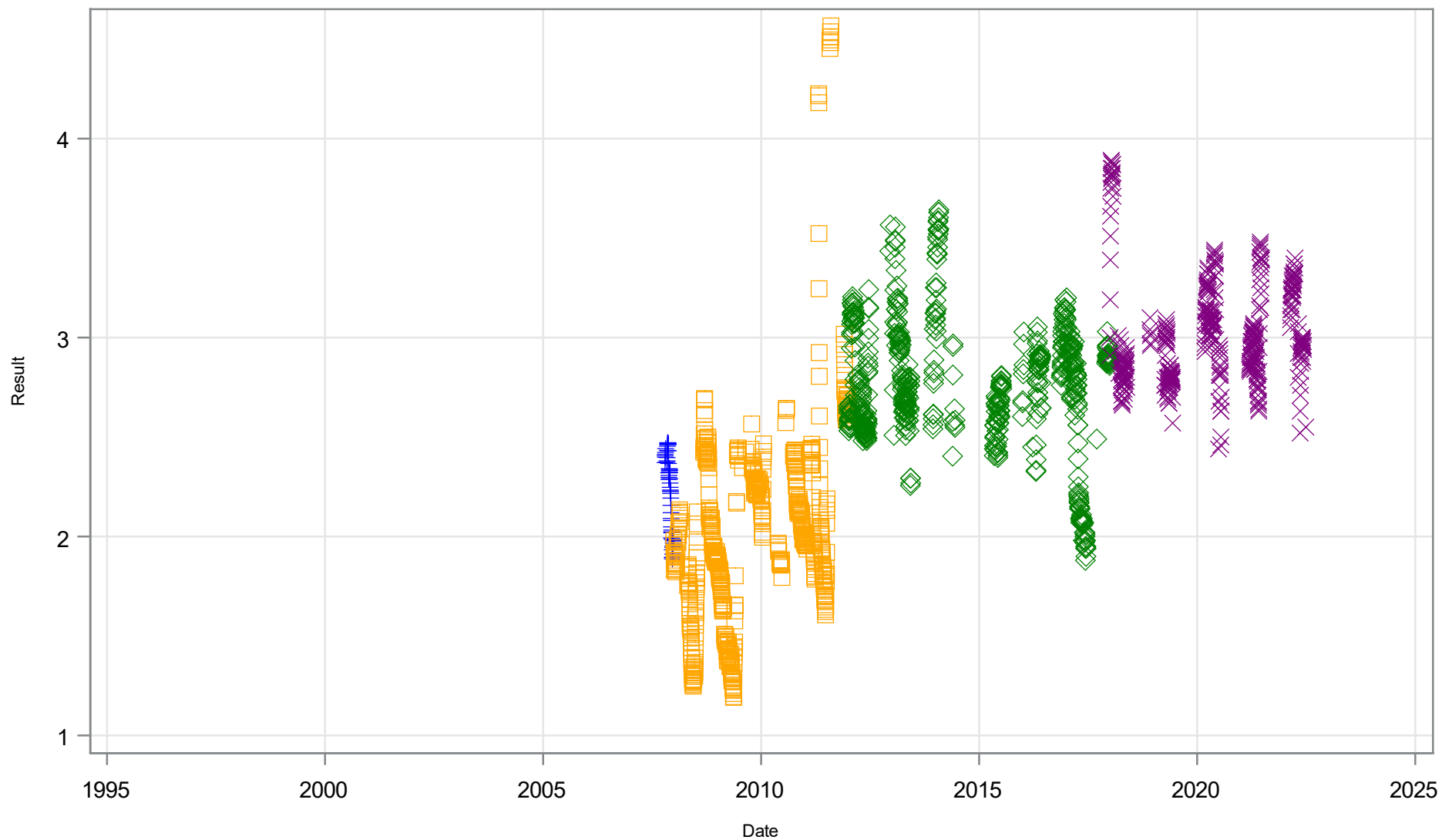
Boxplot by MFL Period for Upper Hillsborough River Surface PH (su)



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

DRAFT

Timeseries of Sulphur Springs Pool Surface Salinity Daily Average (ppt)



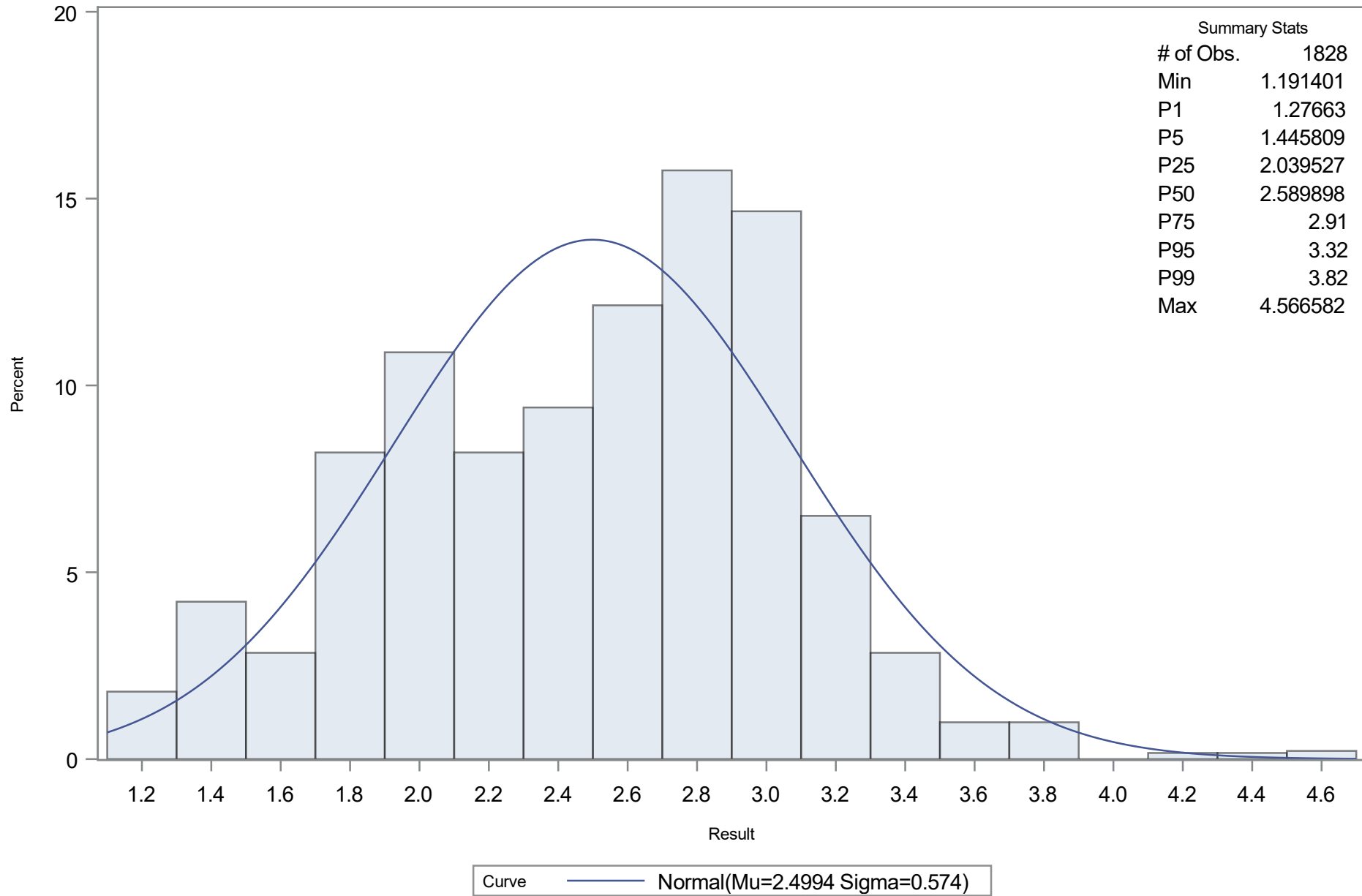
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Pool Surface Salinity Daily Average (ppt)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Pool Surface Salinity Daily Average (ppt)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.499387
Std Dev	Sigma	0.573982

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0687262	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.2382227	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	12.2285744	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.27663	1.16411
5.0	1.44581	1.55527
10.0	1.76146	1.76380
25.0	2.03953	2.11224
50.0	2.58990	2.49939
75.0	2.91000	2.88653
90.0	3.14000	3.23497
95.0	3.32000	3.44350
99.0	3.82000	3.83467

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

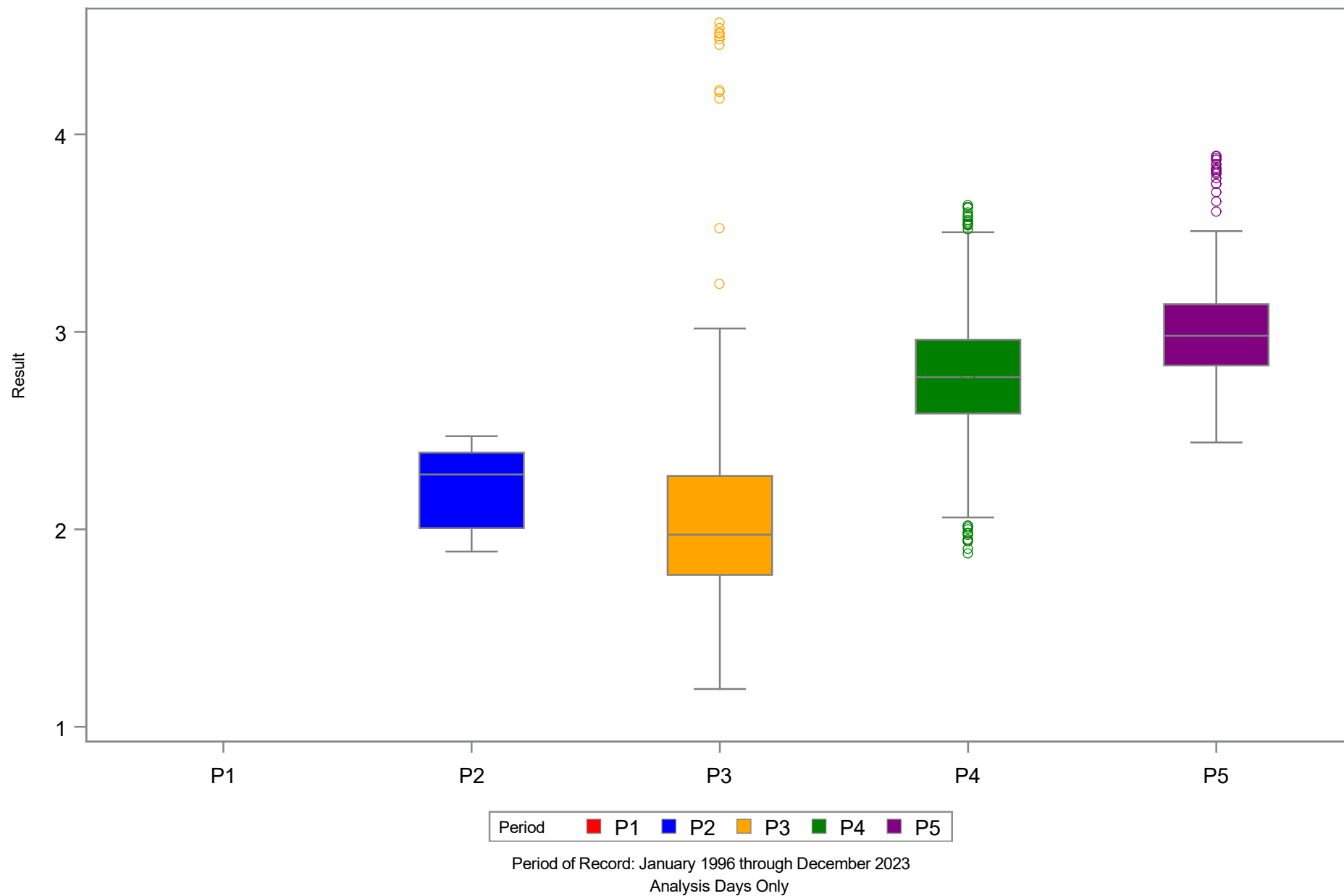
DRAFT Distributional Statistics by Period for Sulphur Springs Pool Surface Salinity Daily Average (ppt)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	0	0	0	0	0	0	0
P2	64	1.89	2.01	2.22	2.28	2.39	2.47
P3	750	1.19	1.77	2.01	1.97	2.27	4.57
P4	586	1.88	2.59	2.77	2.77	2.96	3.64
P5	428	2.44	2.83	3.02	2.98	3.14	3.89

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

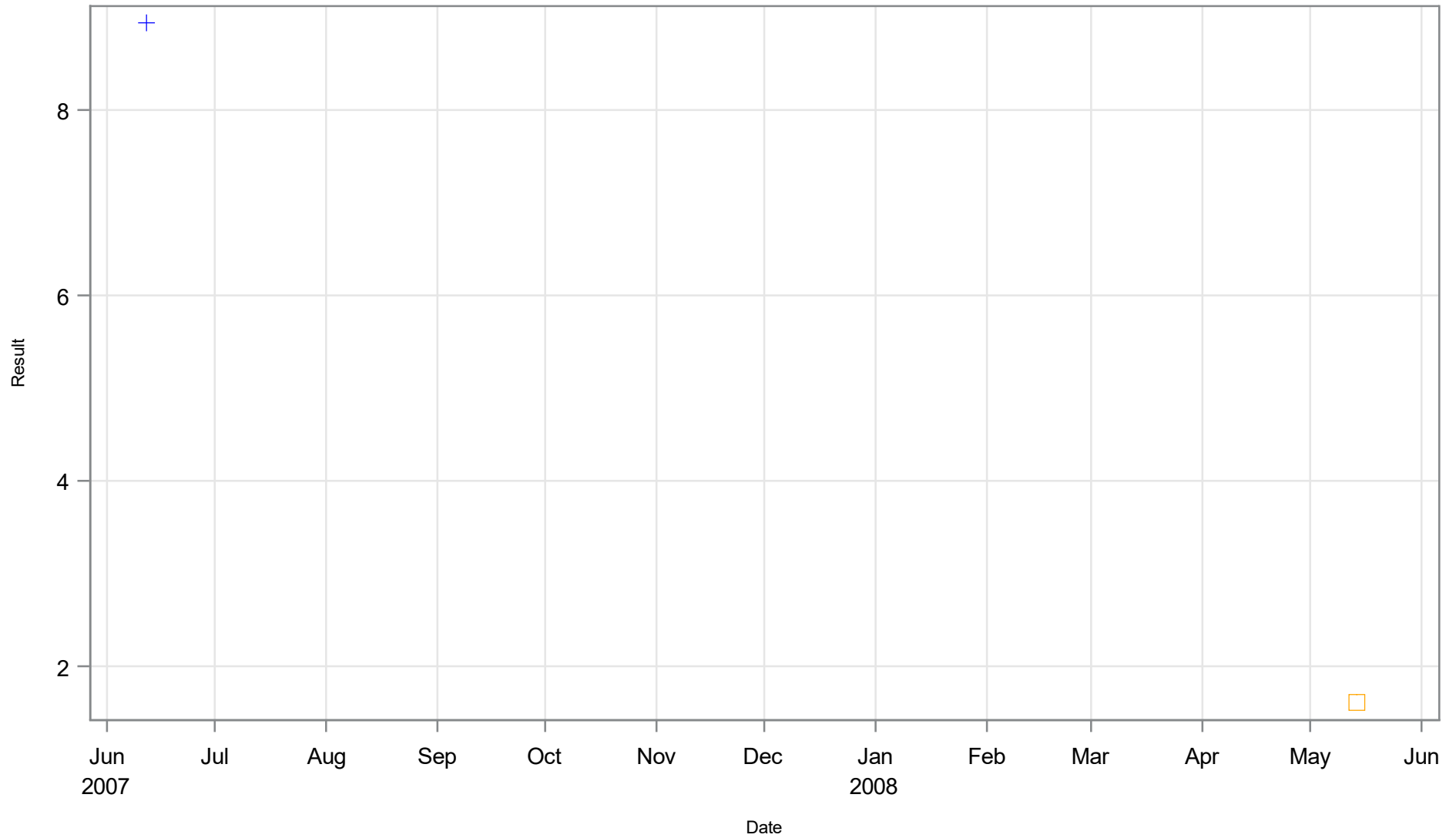
DRAFT

Boxplot by MFL Period for Sulphur Springs Pool Surface Salinity Daily Average (ppt)



DRAFT

Timeseries of Sulphur Springs Run Bottom Salinity (ppt)



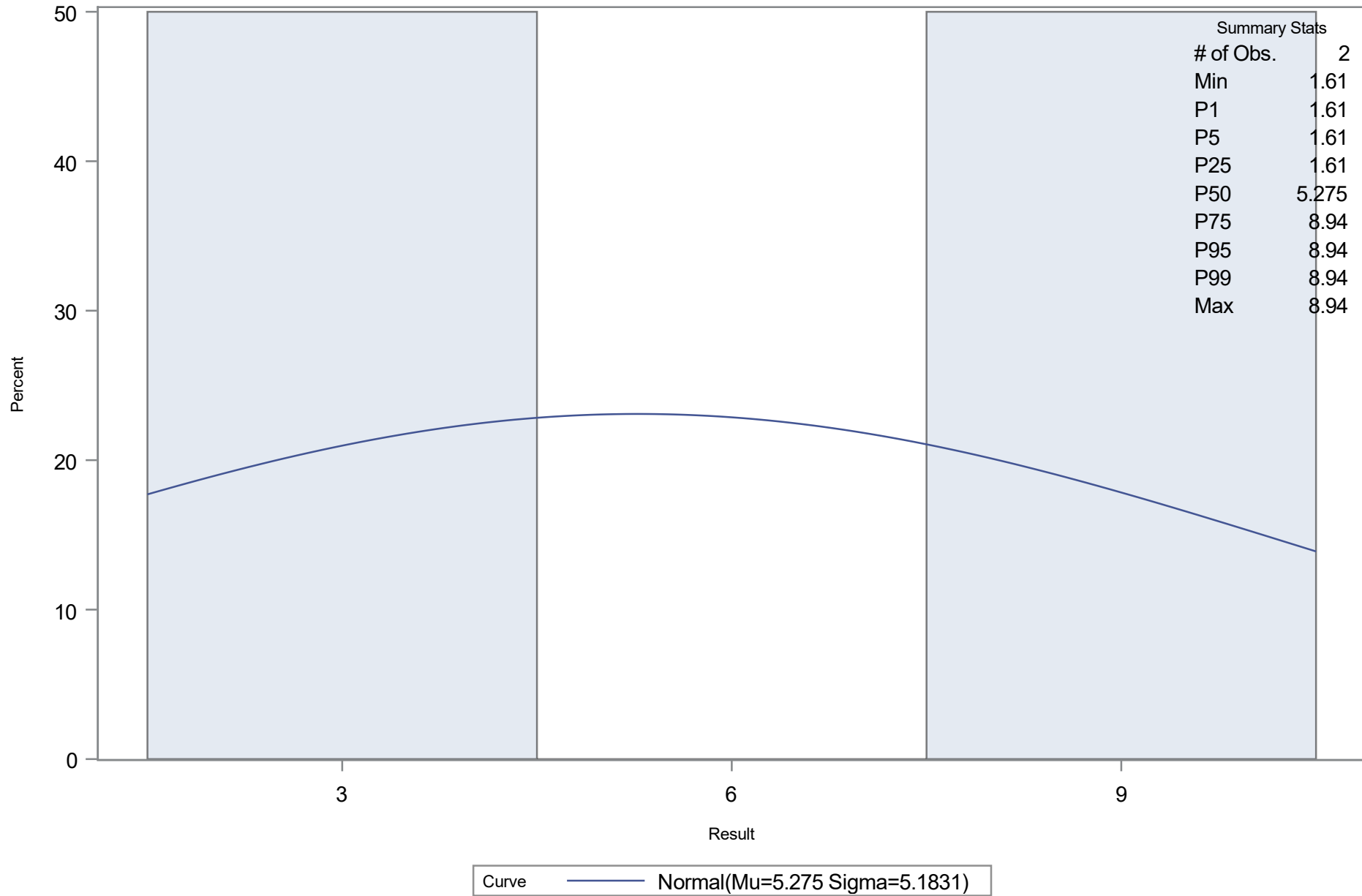
Period + P2 □ P3

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

DRAFT

Univariate Histogram of Sulphur Springs Run Bottom Salinity (ppt)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Bottom Salinity (ppt)**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		
Percent	Quantile	
	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

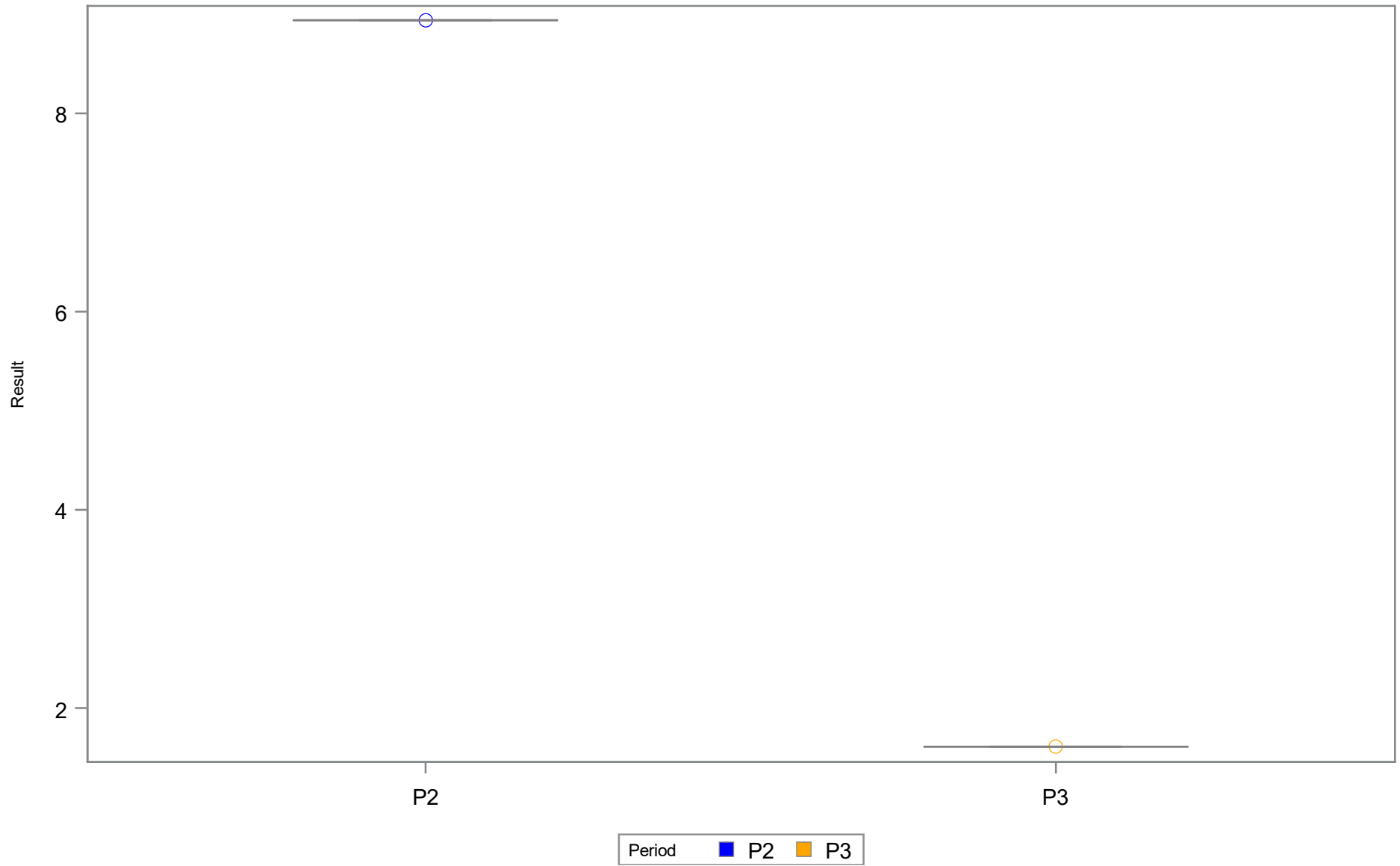
Distributional Statistics by Period for Sulphur Springs Run Bottom Salinity (ppt)

	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

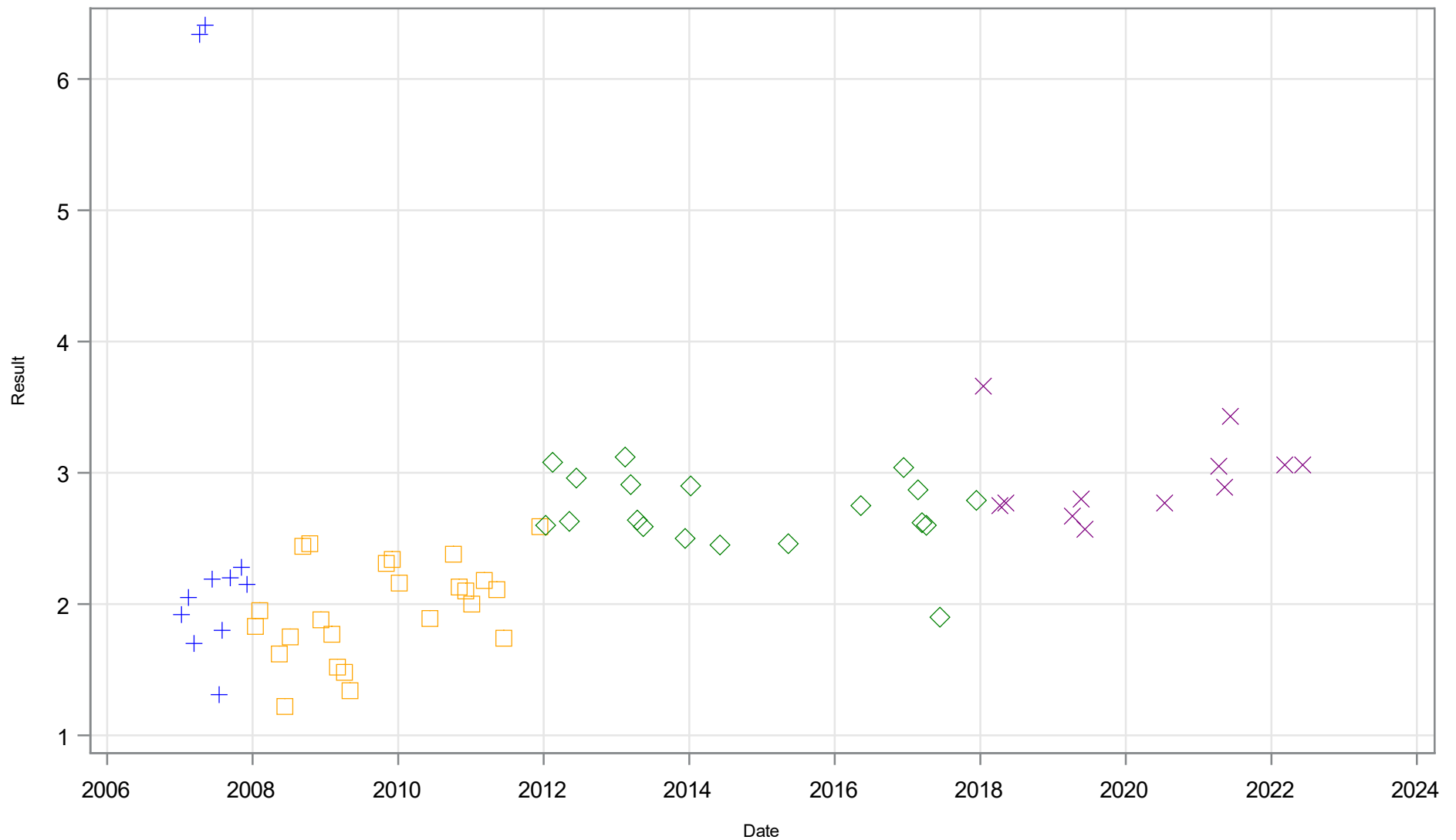
Boxplot by MFL Period for Sulphur Springs Run Bottom Salinity (ppt)



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

DRAFT

Timeseries of Sulphur Springs Run Midwater Salinity (ppt)



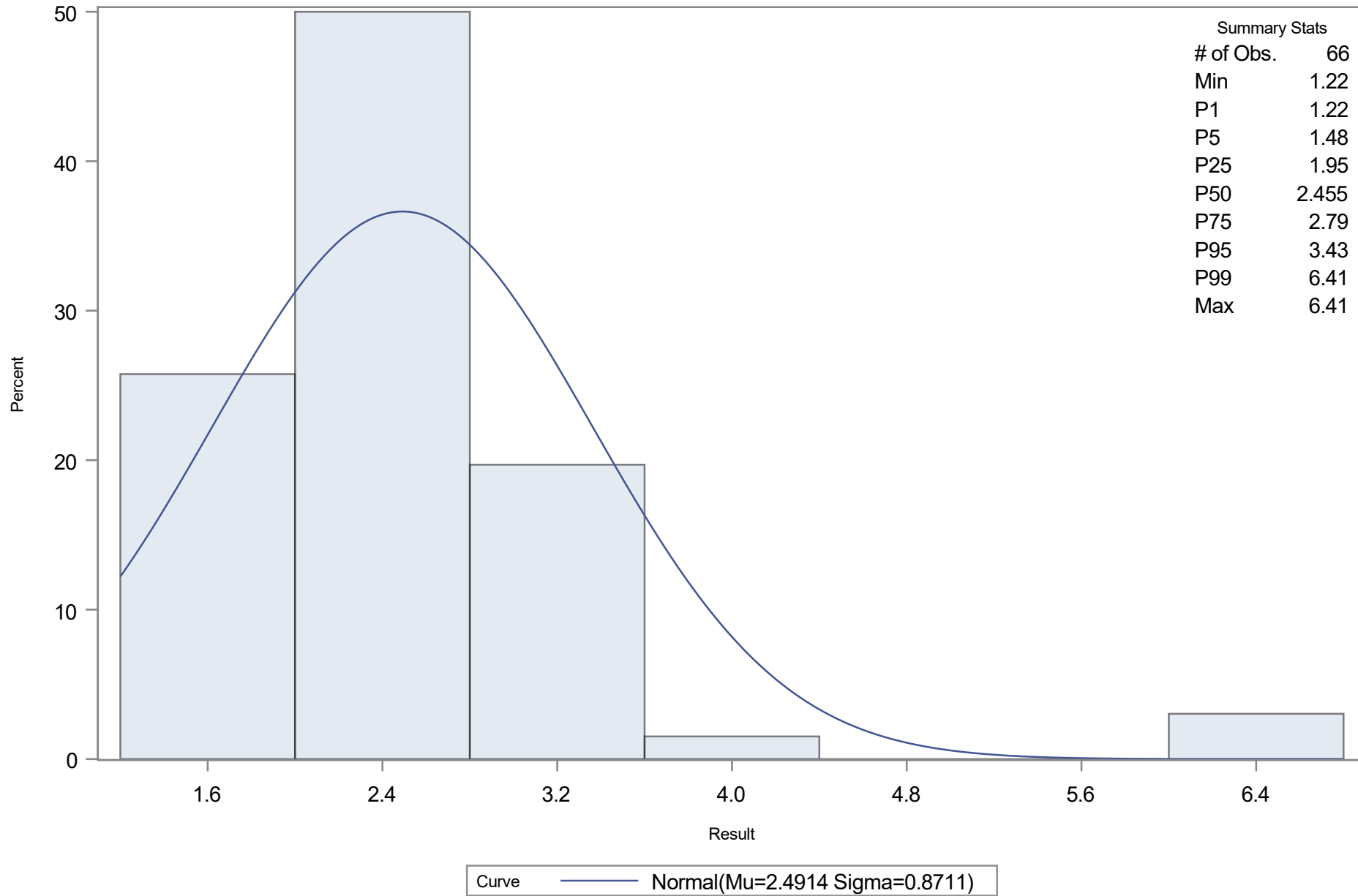
Period + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Midwater Salinity (ppt)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Midwater Salinity (ppt)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.491364
Std Dev	Sigma	0.871077

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.17464042	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.39543638	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.92445287	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.22000	0.46494
5.0	1.48000	1.05857
10.0	1.70000	1.37503
25.0	1.95000	1.90383
50.0	2.45500	2.49136
75.0	2.79000	3.07890
90.0	3.06000	3.60769
95.0	3.43000	3.92416
99.0	6.41000	4.51779

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

DRAFT

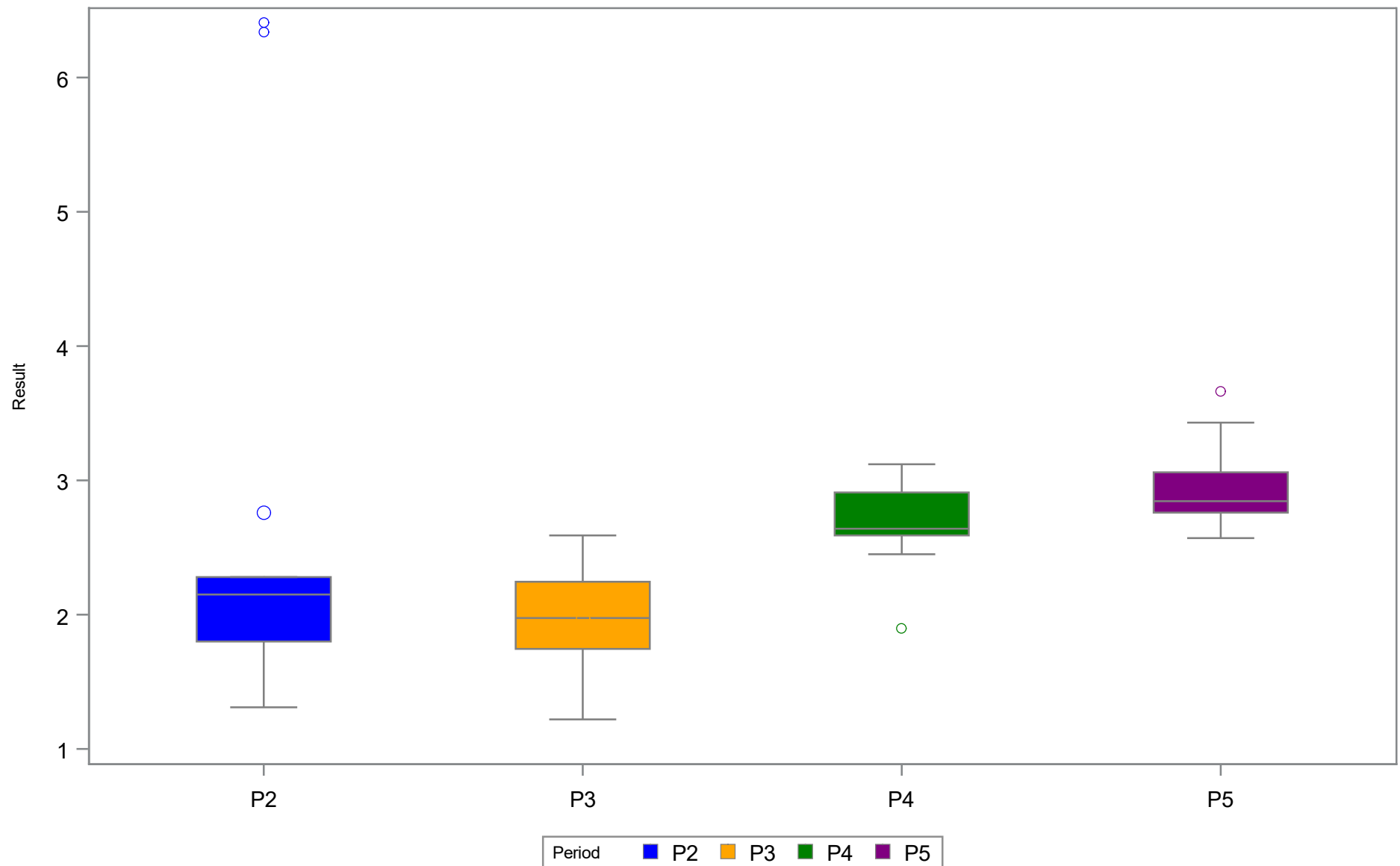
Distributional Statistics by Period for Sulphur Springs Run Midwater Salinity (ppt)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	1.31	1.80	2.76	2.15	2.28	6.41
P3	24	1.22	1.75	1.97	1.98	2.25	2.59
P4	19	1.90	2.59	2.71	2.64	2.91	3.12
P5	12	2.57	2.76	2.96	2.85	3.06	3.66

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

DRAFT

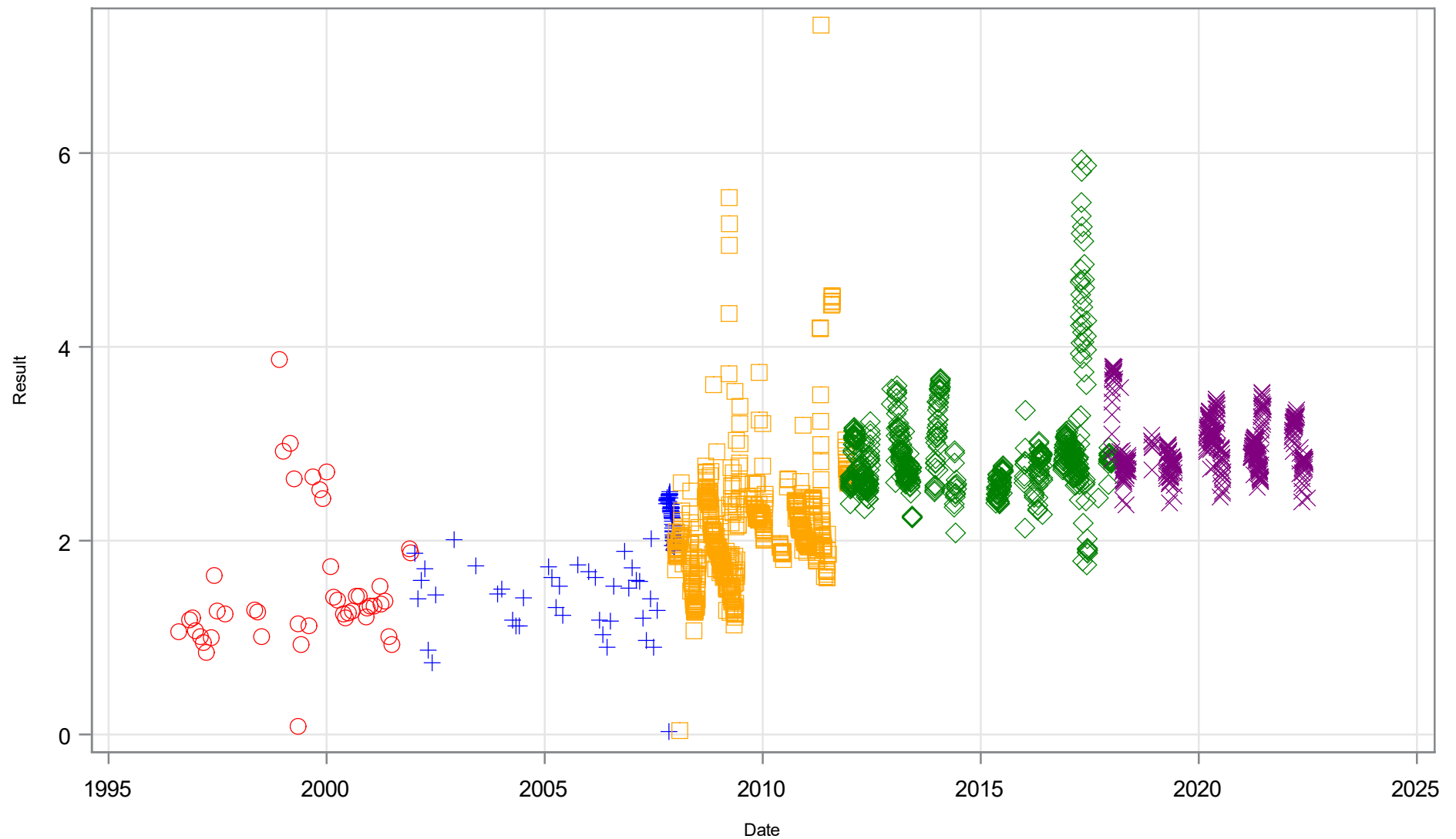
Boxplot by MFL Period for Sulphur Springs Run Midwater Salinity (ppt)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Salinity (ppt)



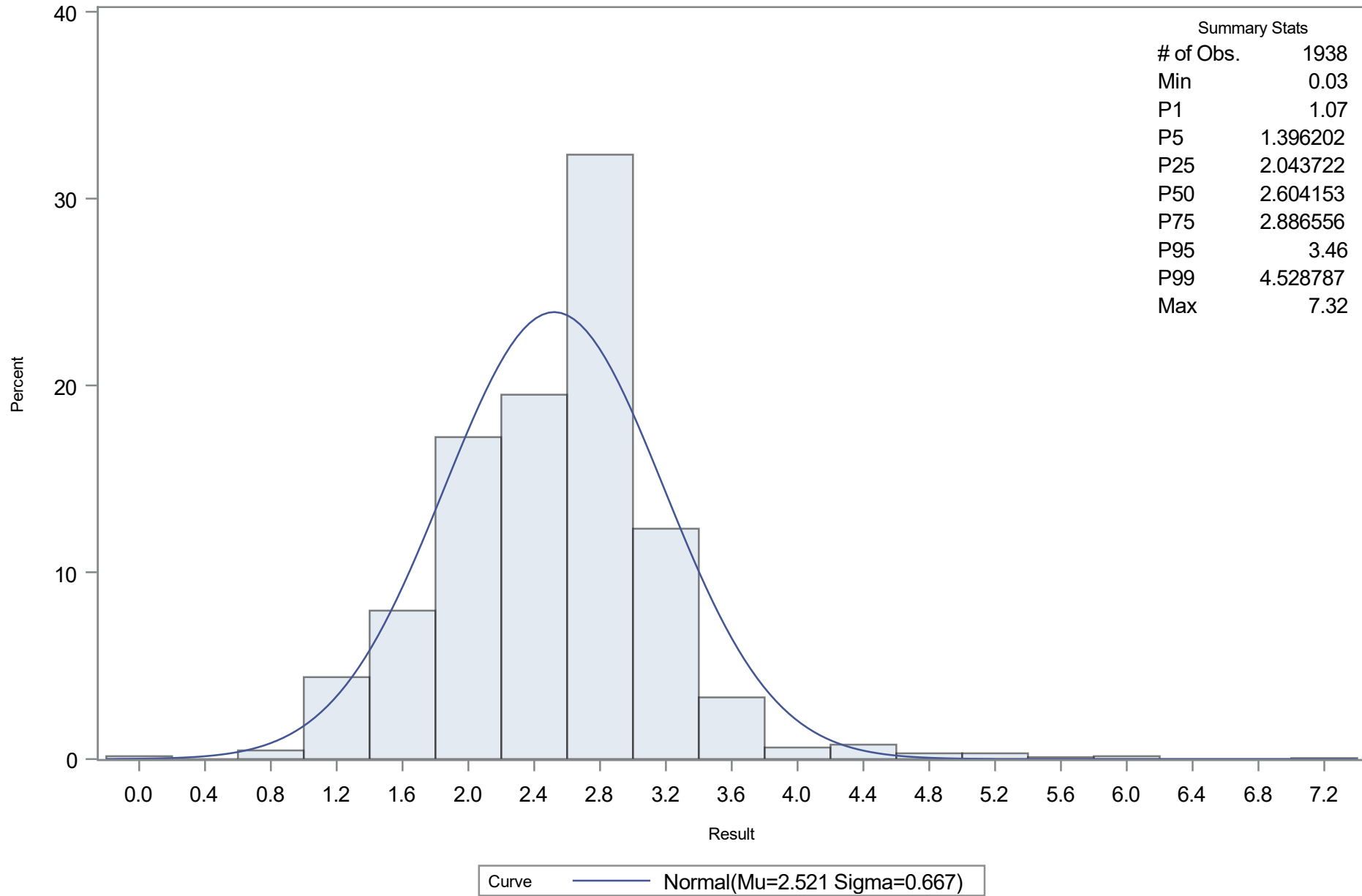
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Salinity (ppt)

Distribution of Result



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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Salinity (ppt)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.521012
Std Dev	Sigma	0.666982

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0667852	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.3741600	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	14.7755635	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.07000	0.96938
5.0	1.39620	1.42392
10.0	1.68000	1.66624
25.0	2.04372	2.07114
50.0	2.60415	2.52101
75.0	2.88656	2.97088
90.0	3.18000	3.37578
95.0	3.46000	3.61810
99.0	4.52879	4.07264

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

DRAFT

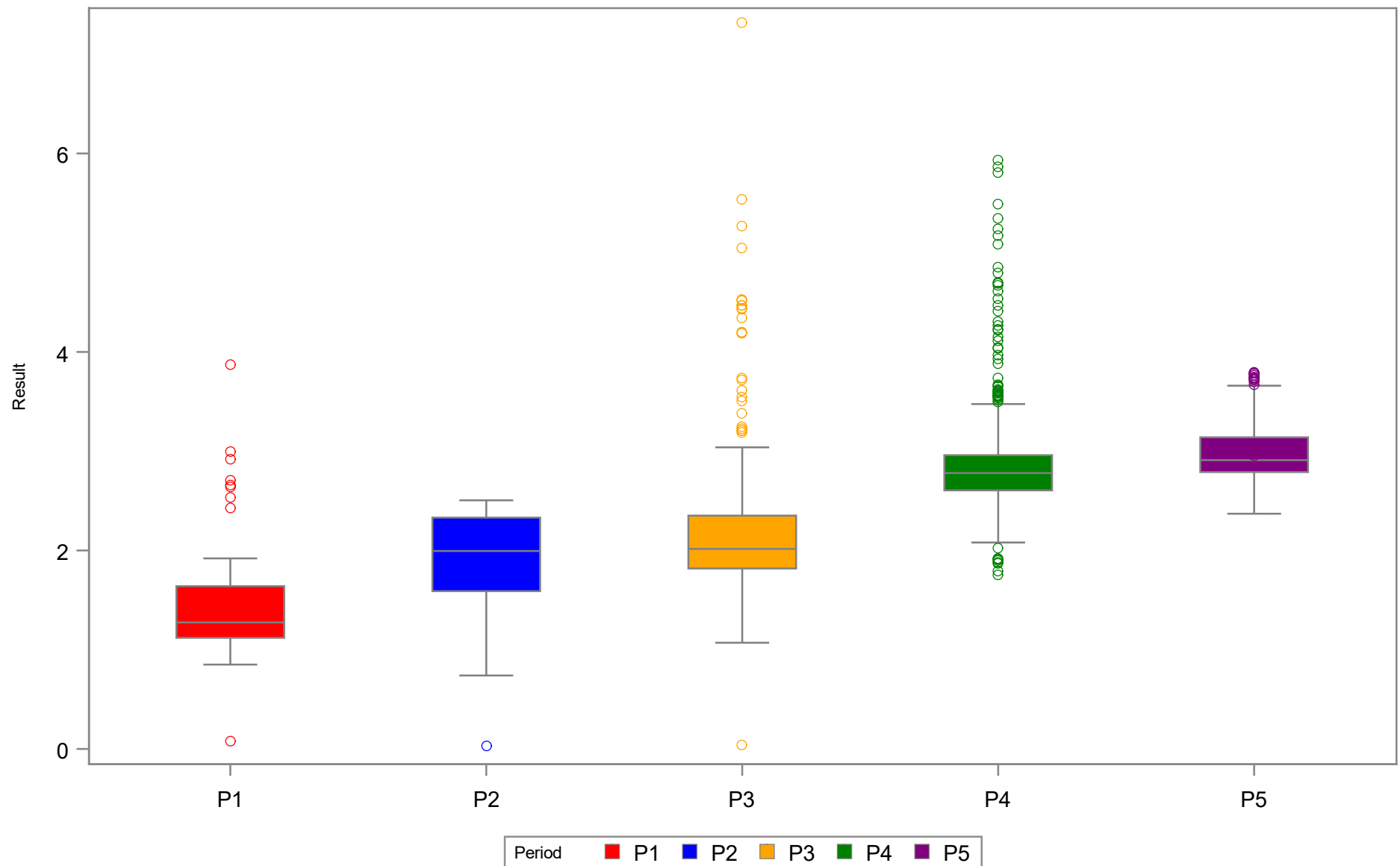
Distributional Statistics by Period for Sulphur Springs Run Surface Salinity (ppt)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.08	1.12	1.51	1.28	1.64	3.87
P2	105	0.03	1.59	1.91	1.99	2.33	2.51
P3	735	0.04	1.82	2.11	2.02	2.35	7.32
P4	609	1.75	2.61	2.87	2.78	2.96	5.93
P5	443	2.37	2.79	2.98	2.91	3.14	3.80

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

DRAFT

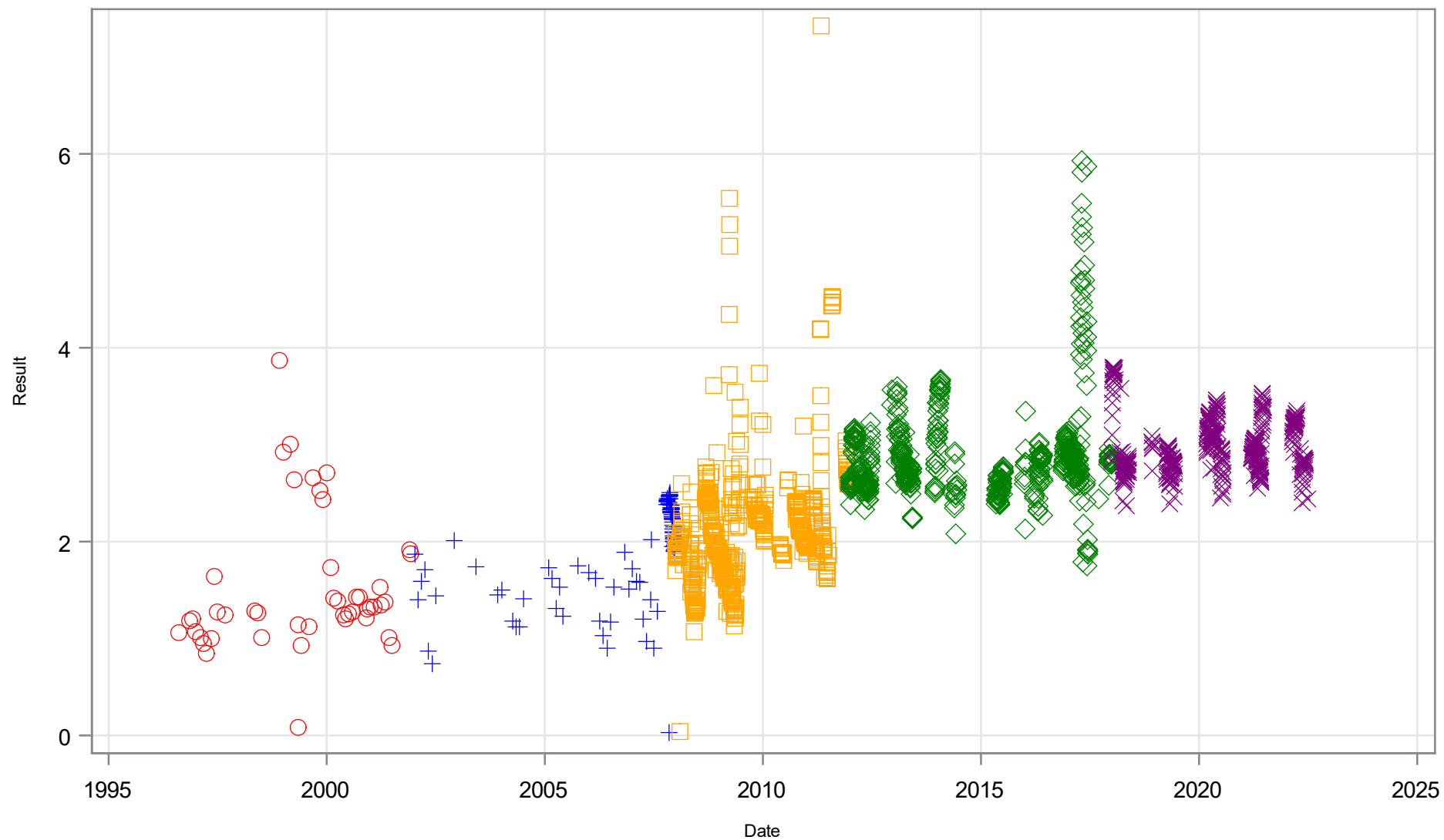
Boxplot by MFL Period for Sulphur Springs Run Surface Salinity (ppt)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Salinity Daily Average (ppt)



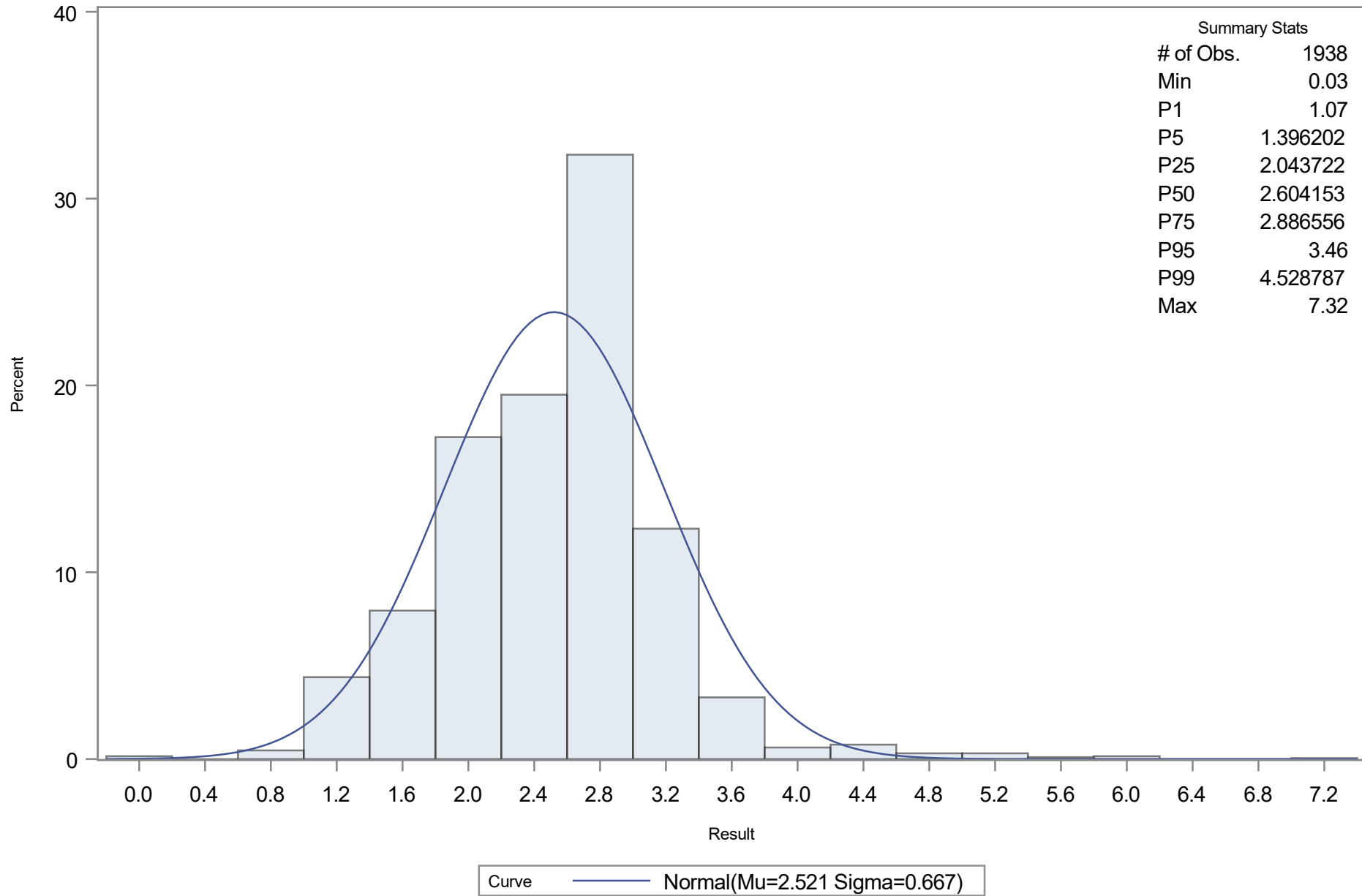
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Salinity Daily Average (ppt)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Surface Salinity Daily Average (ppt)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.521012
Std Dev	Sigma	0.666982

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0667852	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.3741600	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	14.7755635	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.07000	0.96938
5.0	1.39620	1.42392
10.0	1.68000	1.66624
25.0	2.04372	2.07114
50.0	2.60415	2.52101
75.0	2.88656	2.97088
90.0	3.18000	3.37578
95.0	3.46000	3.61810
99.0	4.52879	4.07264

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

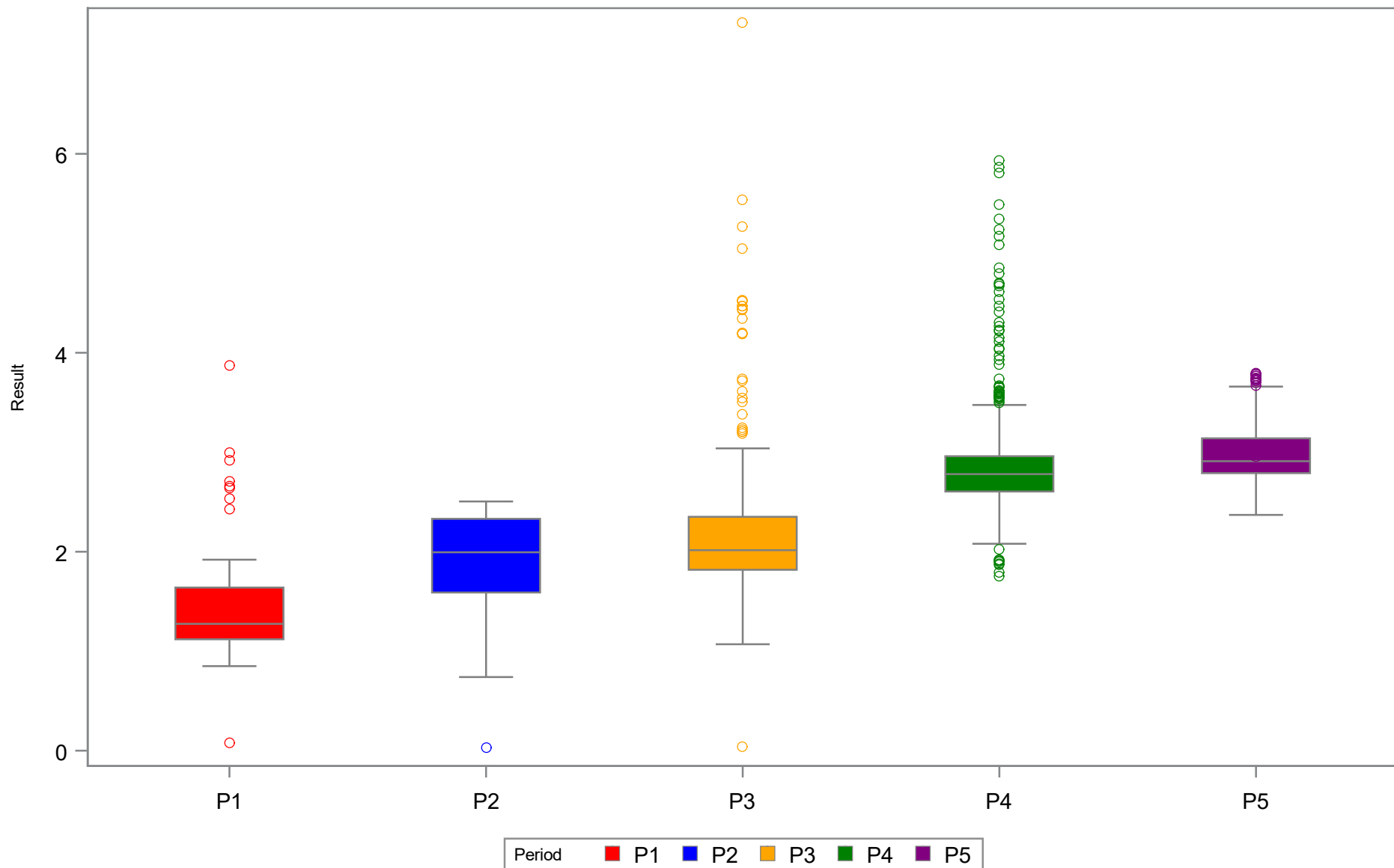
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Salinity Daily Average (ppt)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.08	1.12	1.51	1.28	1.64	3.87
P2	105	0.03	1.59	1.91	1.99	2.33	2.51
P3	735	0.04	1.82	2.11	2.02	2.35	7.32
P4	609	1.75	2.61	2.87	2.78	2.96	5.93
P5	443	2.37	2.79	2.98	2.91	3.14	3.80

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

DRAFT

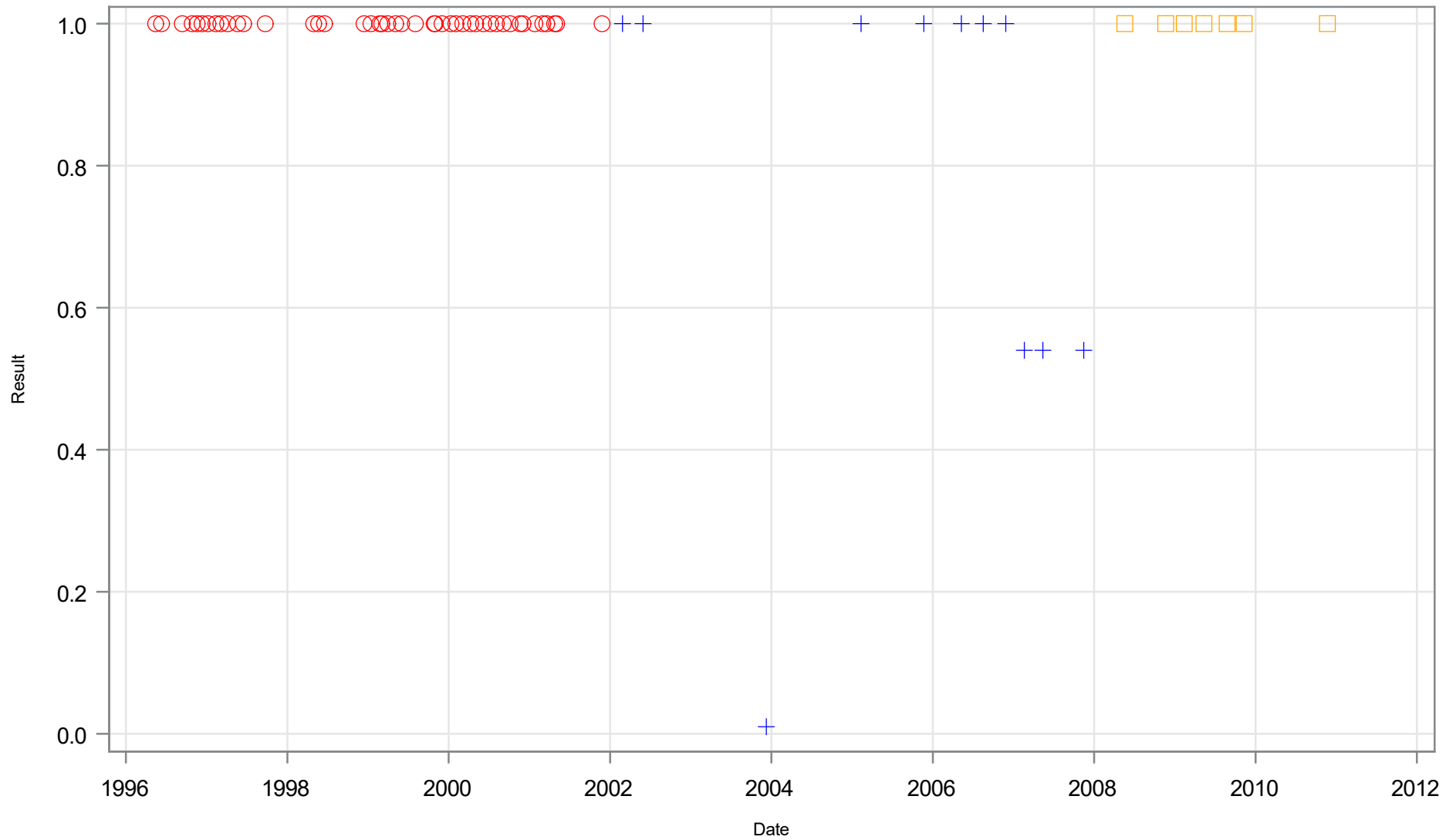
Boxplot by MFL Period for Sulphur Springs Run Surface Salinity Daily Average (ppt)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Salinity (ppt)



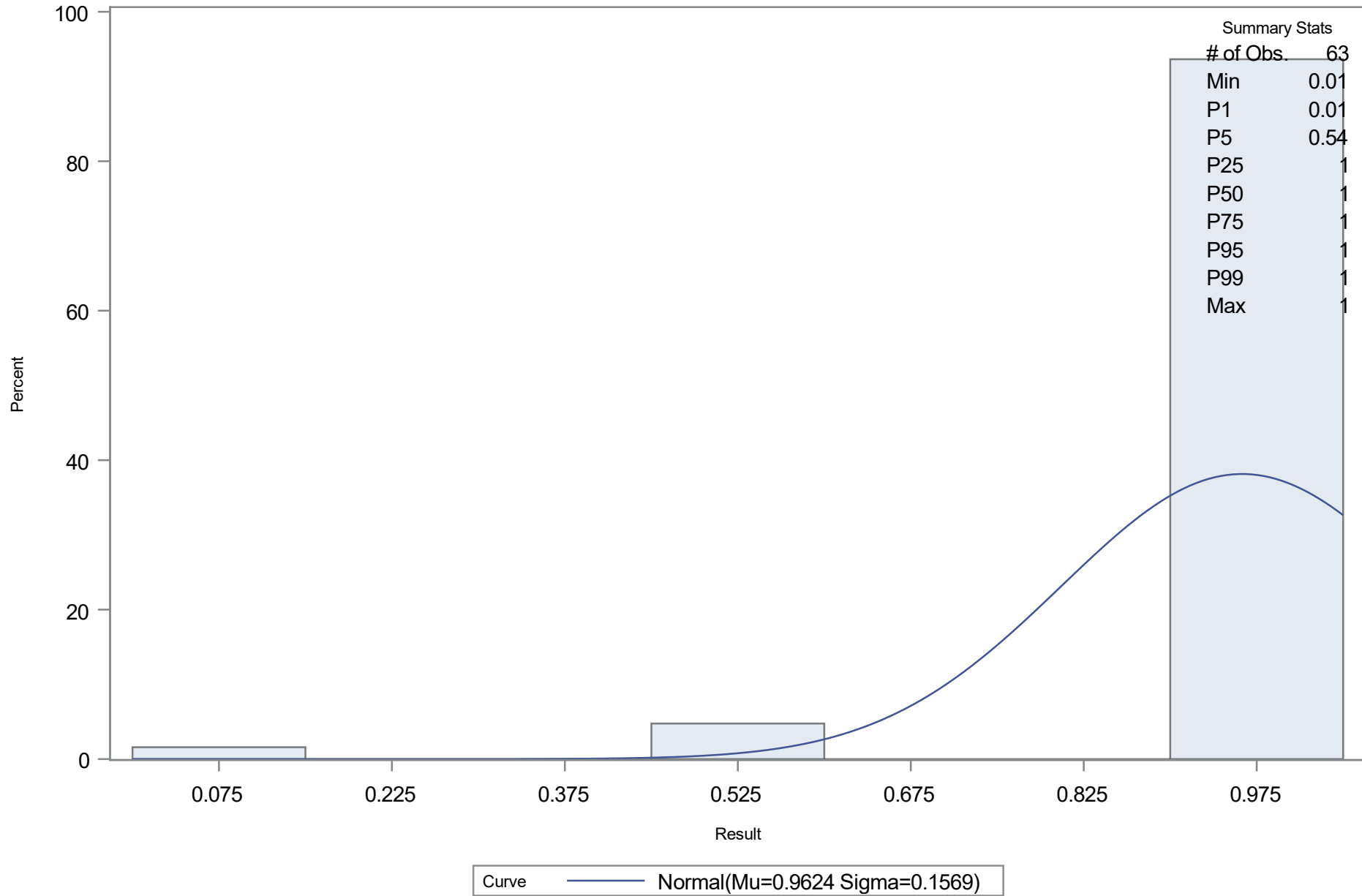
Period ○ P1 + P2 □ P3

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Salinity (ppt)

Distribution of Result



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

Univariate Histogram of Tampa Bypass Canal Surface Salinity (ppt)**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		
Percent	Quantile	
	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

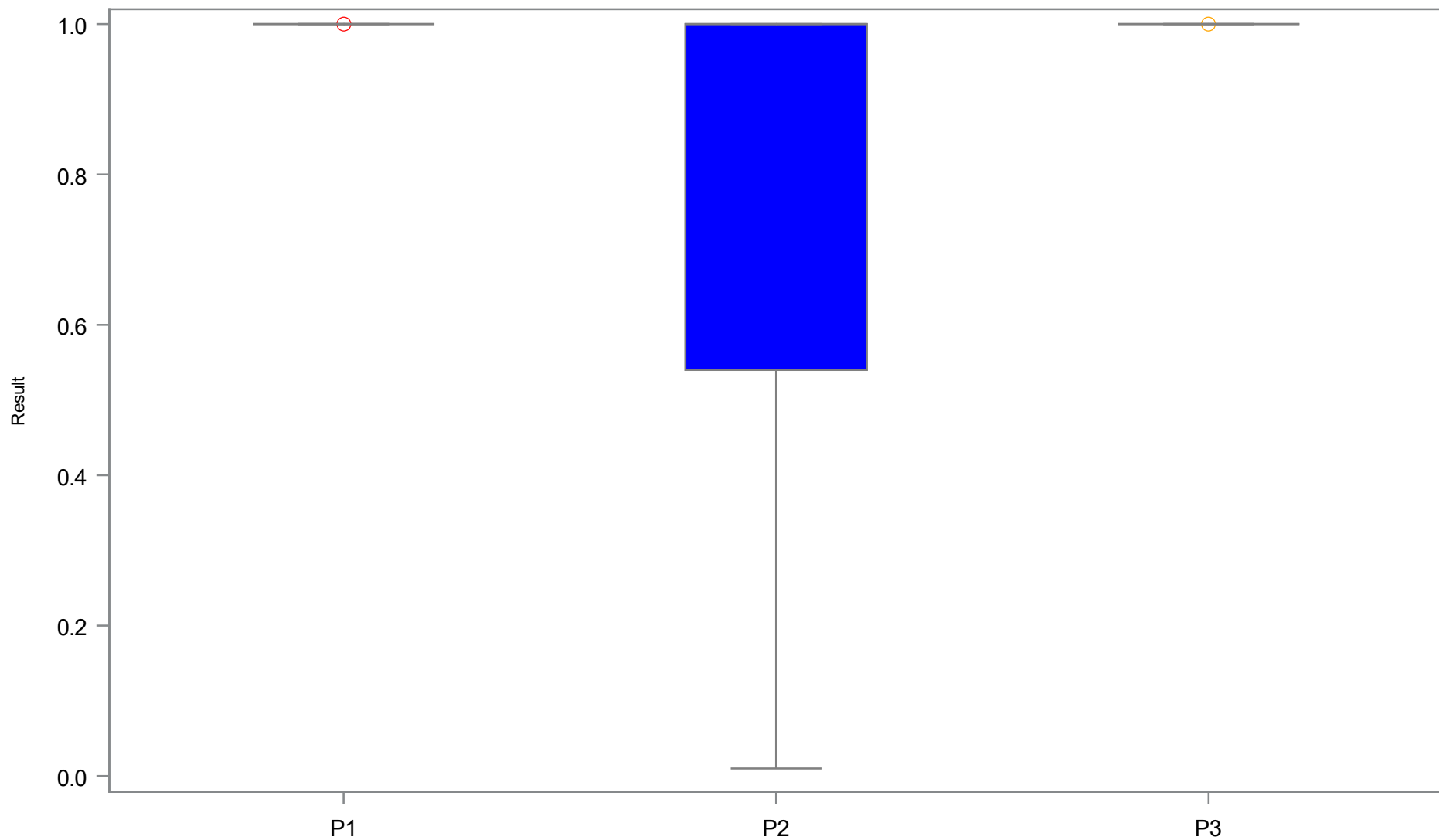
Distributional Statistics by Period for Tampa Bypass Canal Surface Salinity (ppt)

	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 Tampa Bypass Canal Surface Salinity (ppt)

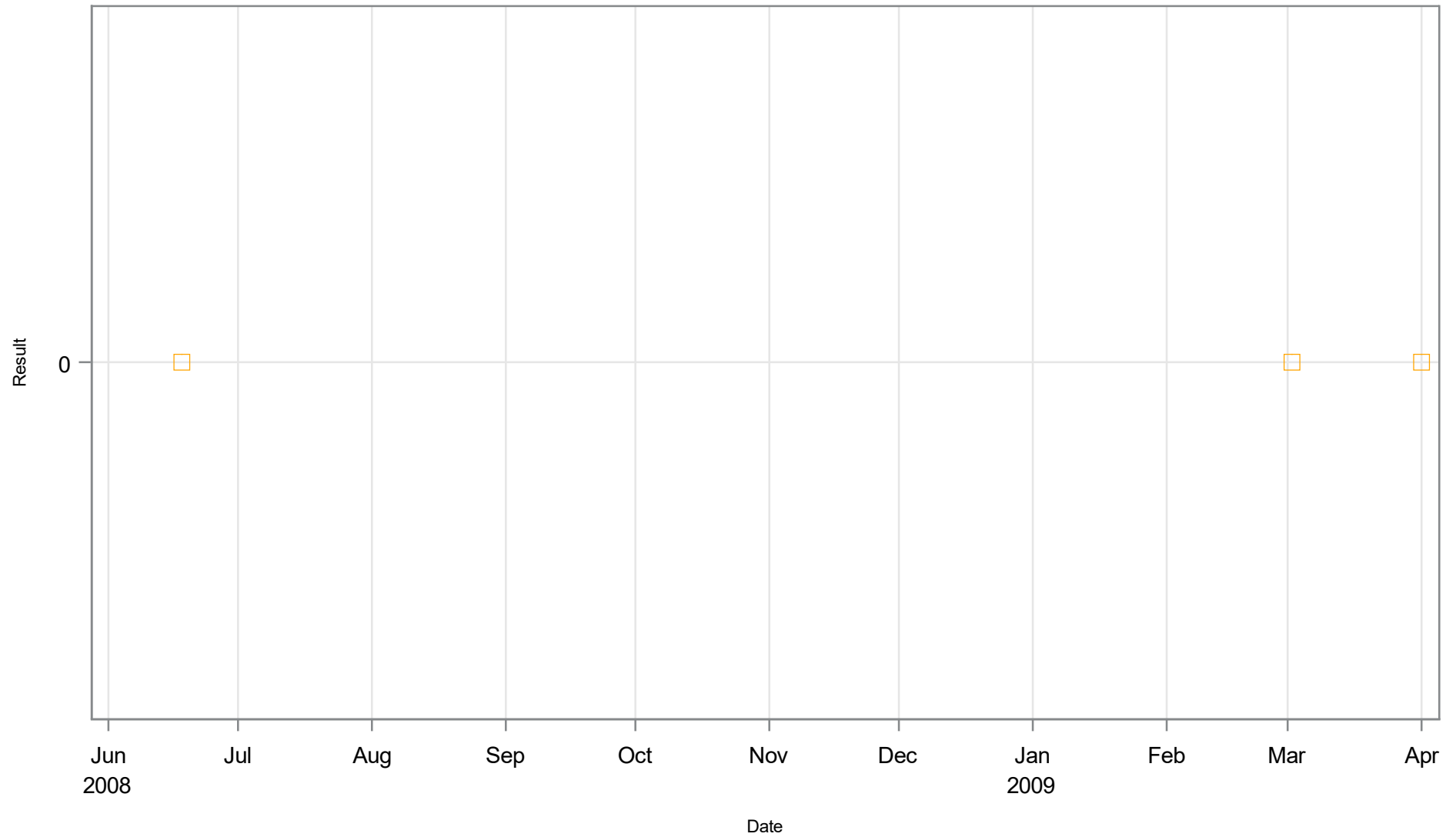


Period ■ P1 ■ P2 ■ P3

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

DRAFT

Timeseries of Surface Salinity (Calculated) (ppt)



Period P3

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

DRAFT

Univariate Histogram of Surface Salinity (Calculated) (ppt)

Distribution of Result



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

DRAFT

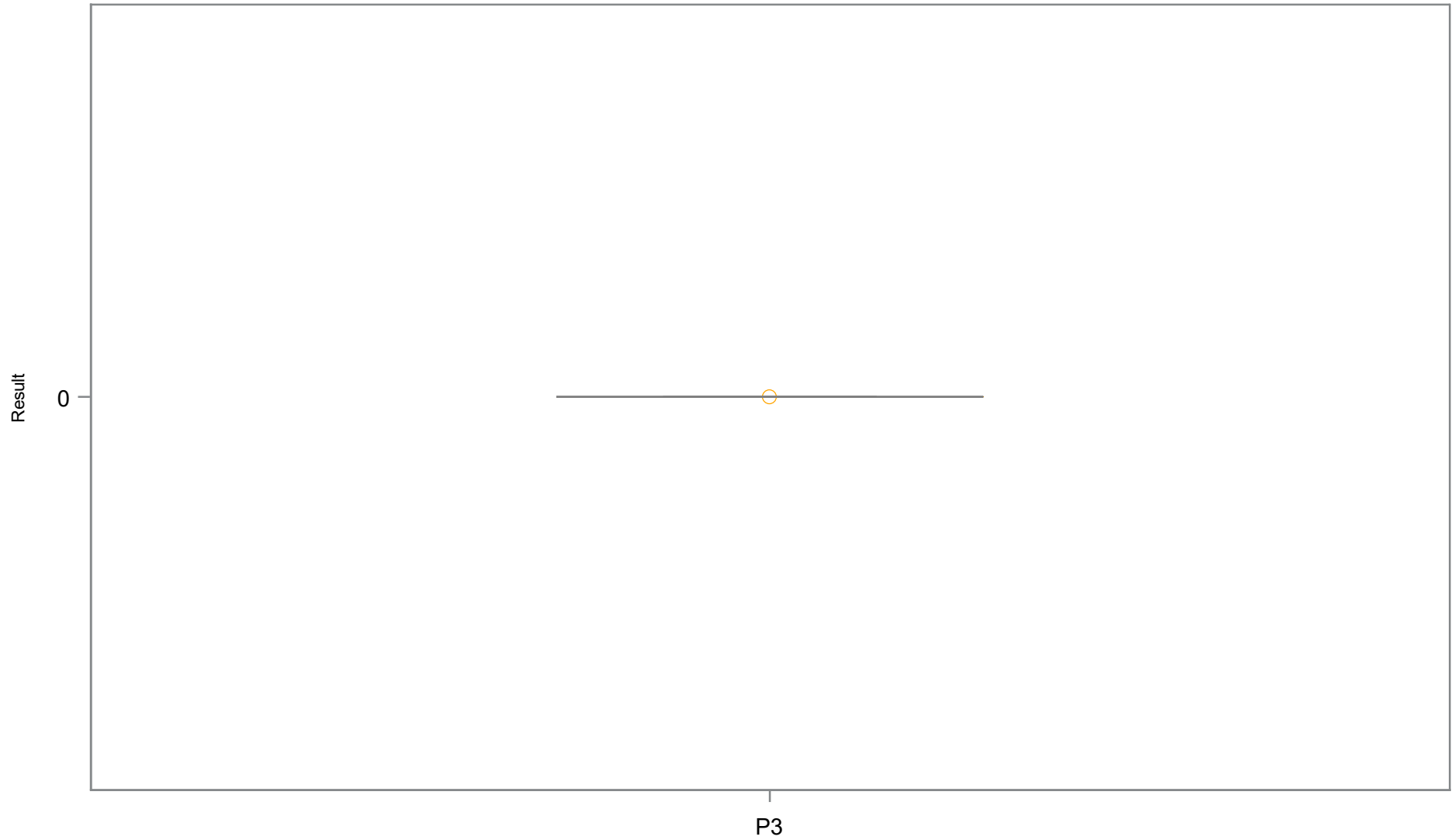
Distributional Statistics by Period for Surface Salinity (Calculated) (ppt)

	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)

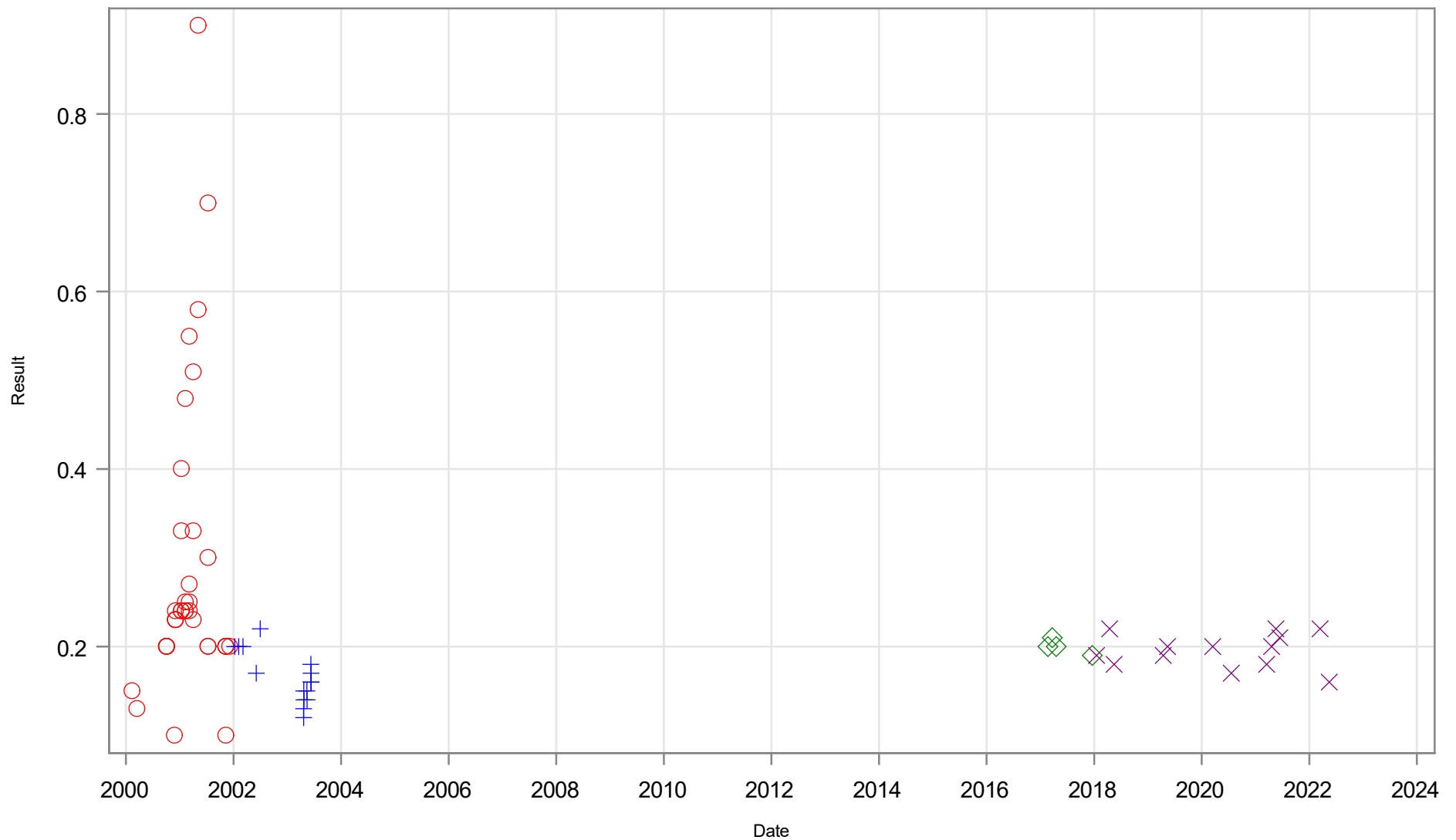


Period ■ P3

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

DRAFT

Timeseries of Hillsborough River Reservoir Bottom Salinity (ppt)



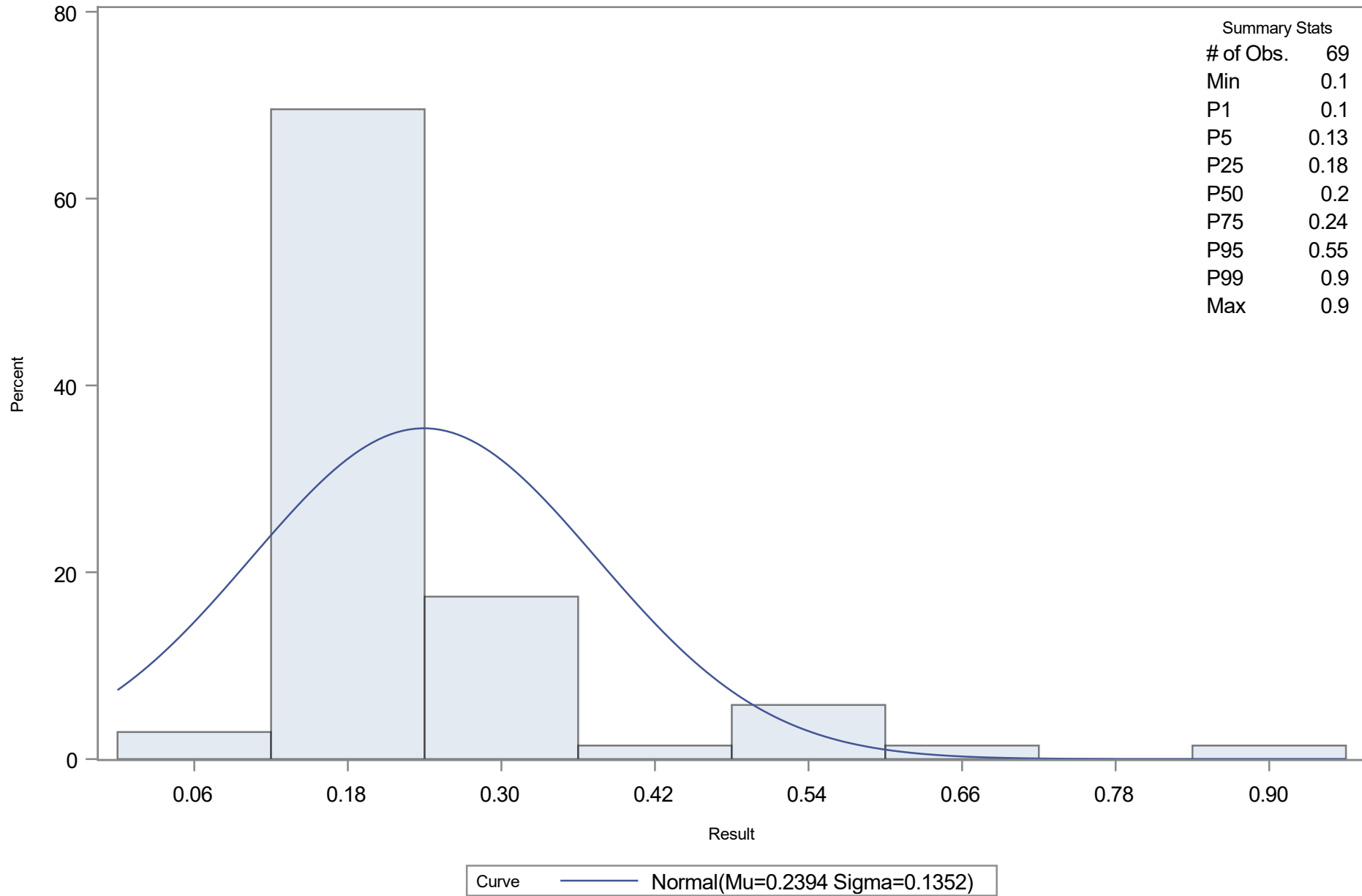
Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Bottom Salinity (ppt)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.23942
Std Dev	Sigma	0.135189

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.30988349	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.63939145	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	8.39722581	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.10000	-0.07508
5.0	0.13000	0.01705
10.0	0.14000	0.06617
25.0	0.18000	0.14824
50.0	0.20000	0.23942
75.0	0.24000	0.33060
90.0	0.40000	0.41267
95.0	0.55000	0.46179
99.0	0.90000	0.55392

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

DRAFT

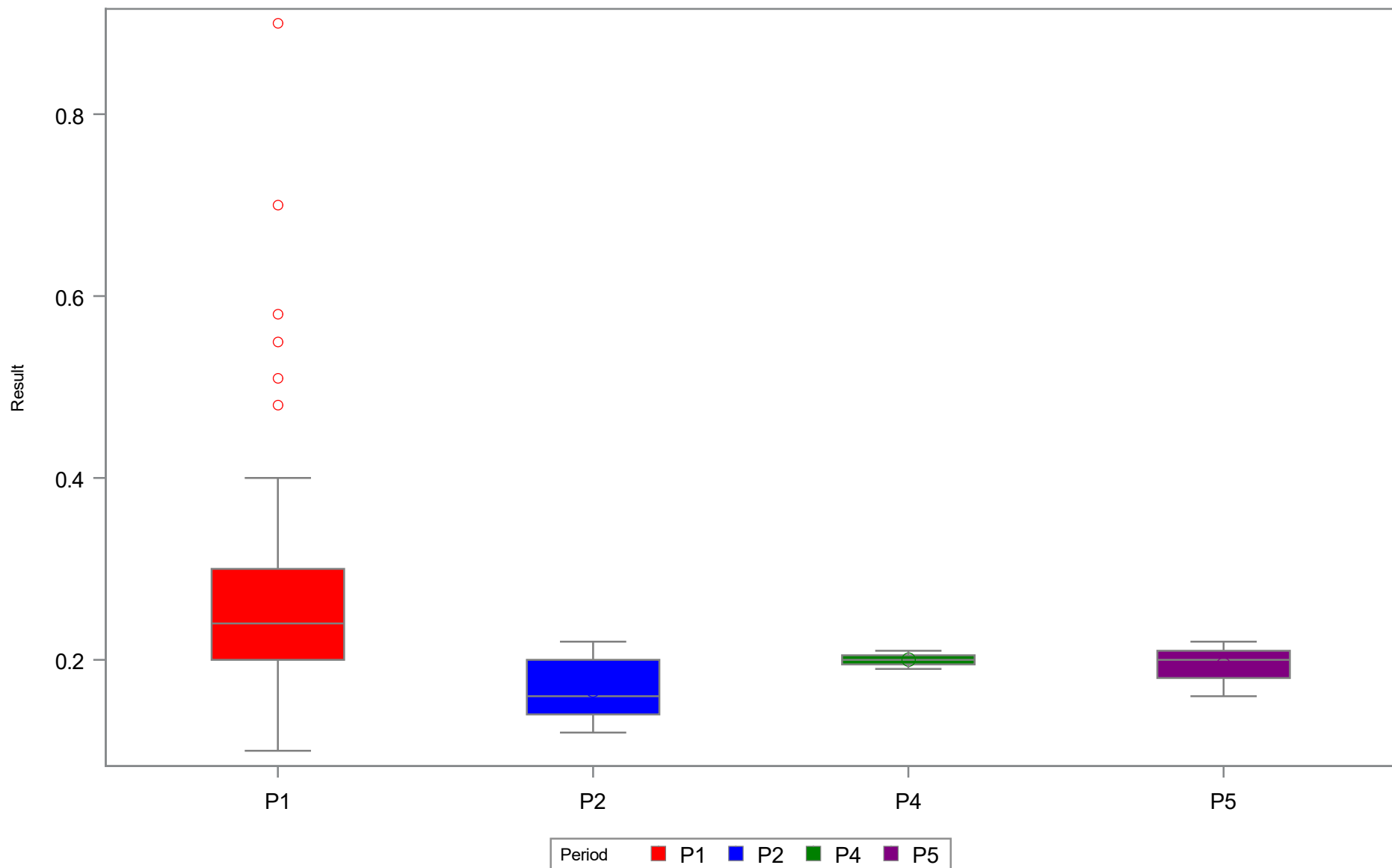
Distributional Statistics by Period for Hillsborough River Reservoir Bottom Salinity (ppt)

	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	4	0.19	0.20	0.20	0.20	0.21	0.21
P5	13	0.16	0.18	0.20	0.20	0.21	0.22

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

DRAFT

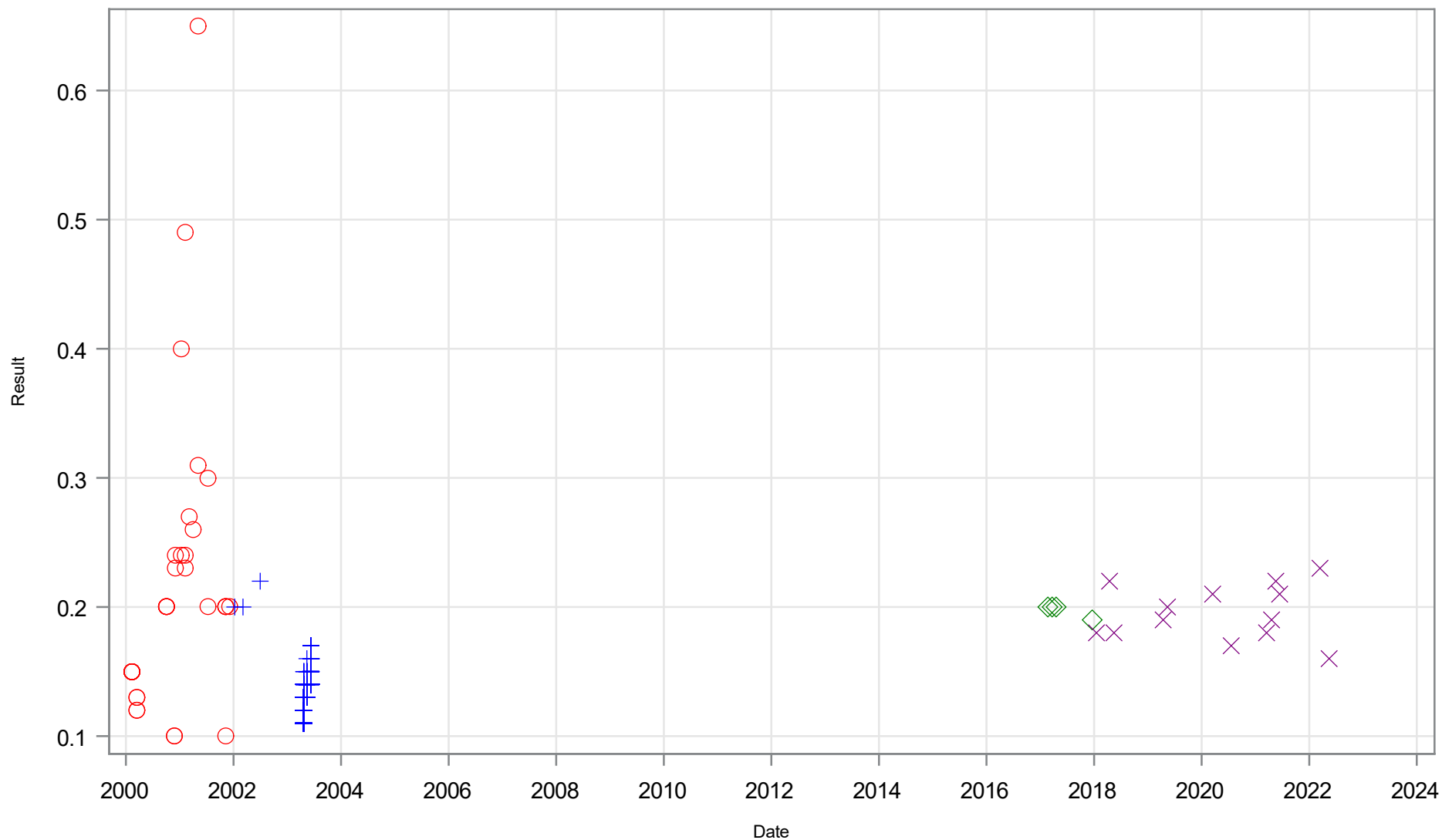
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Salinity (ppt)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater Salinity (ppt)



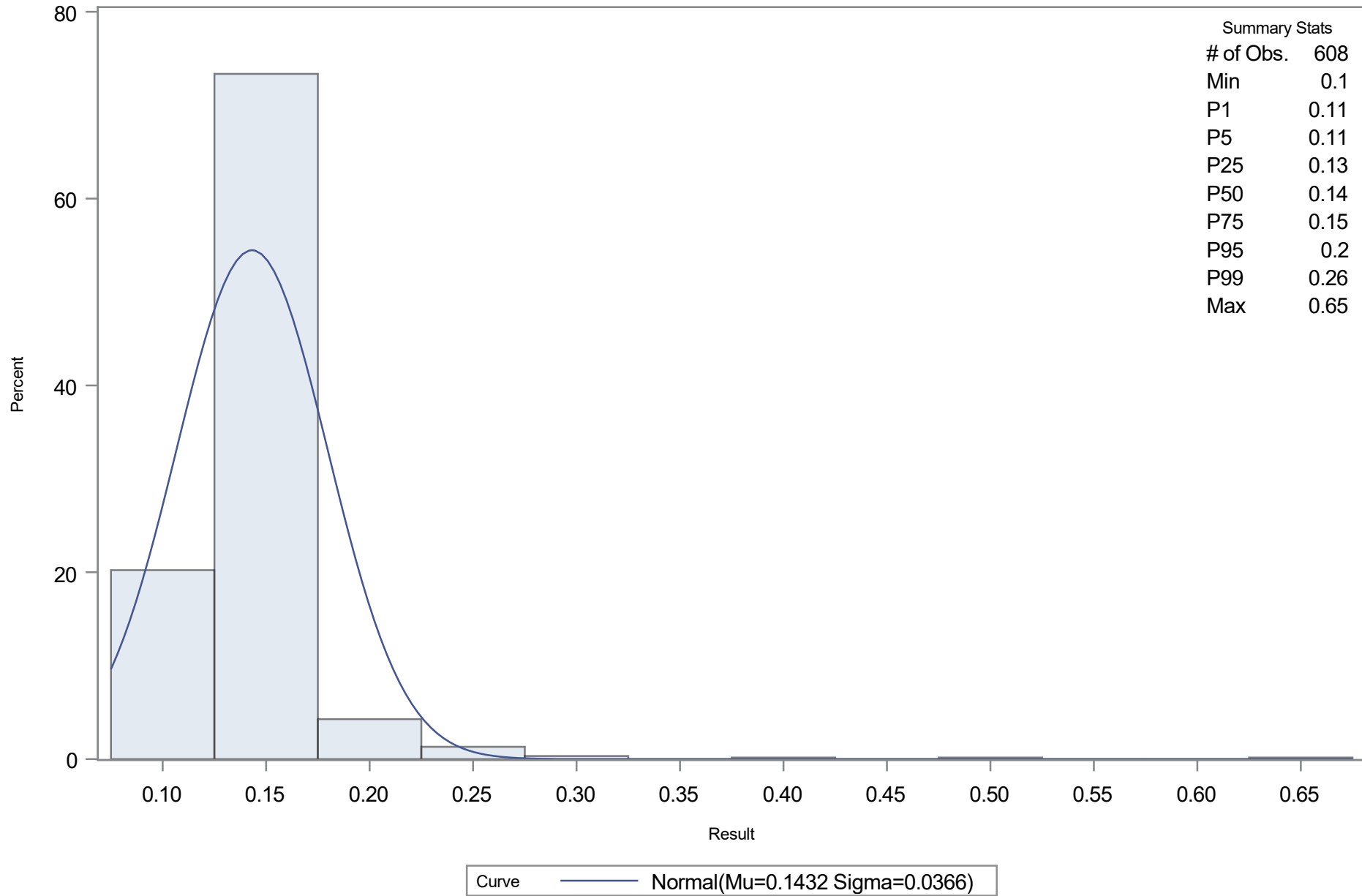
Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Midwater Salinity (ppt)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.143191
Std Dev	Sigma	0.036616

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2617627	Pr > D	<0.010
Cramer-von Mises	W-Sq	11.6035035	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	60.5445856	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.11000	0.05801
5.0	0.11000	0.08296
10.0	0.11000	0.09627
25.0	0.13000	0.11849
50.0	0.14000	0.14319
75.0	0.15000	0.16789
90.0	0.16000	0.19012
95.0	0.20000	0.20342
99.0	0.26000	0.22837

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

DRAFT

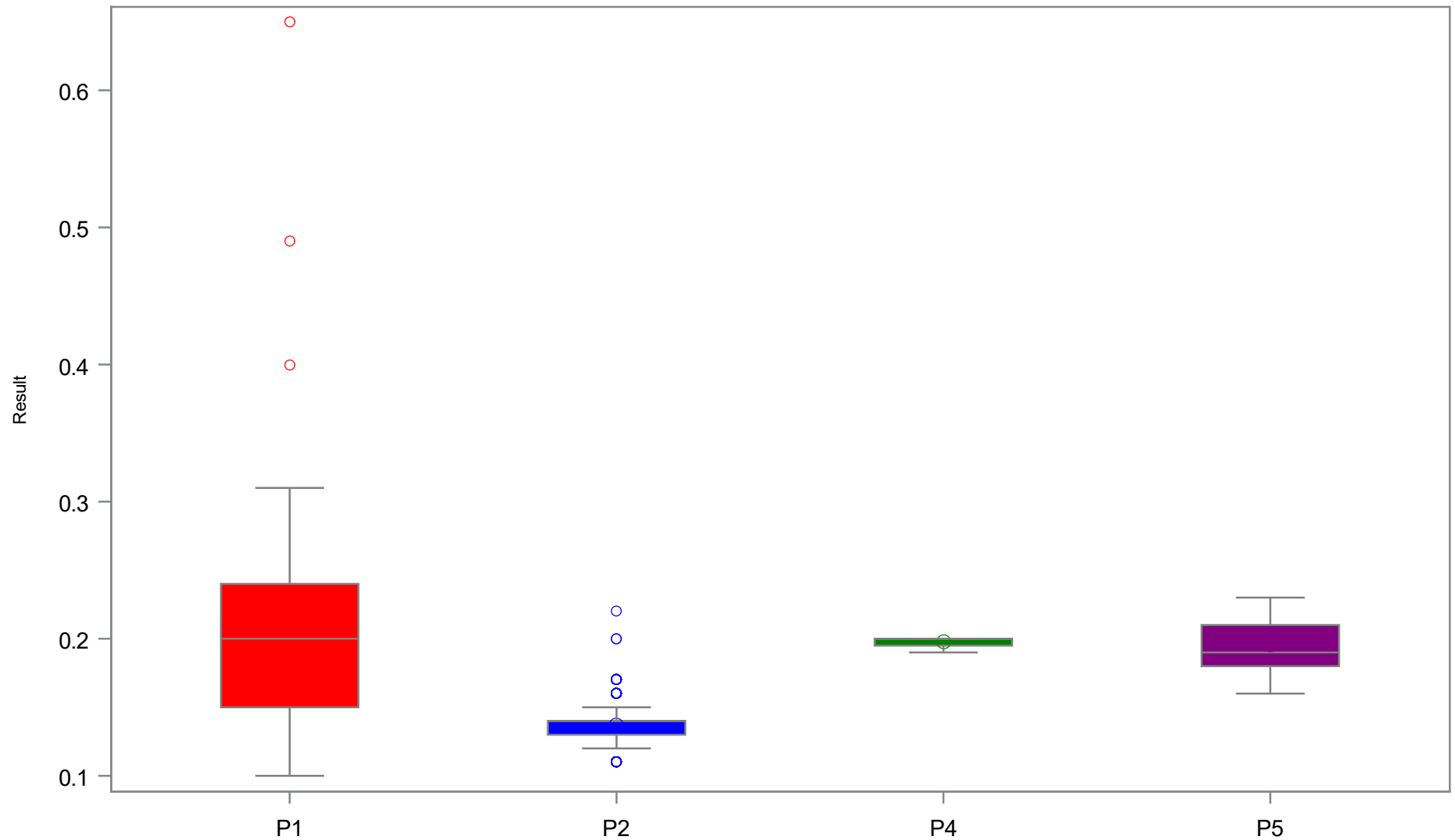
Distributional Statistics by Period for Hillsborough River Reservoir Midwater Salinity (ppt)

	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	4	0.19	0.20	0.20	0.20	0.20	0.20
P5	13	0.16	0.18	0.20	0.19	0.21	0.23

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Midwater Salinity (ppt)

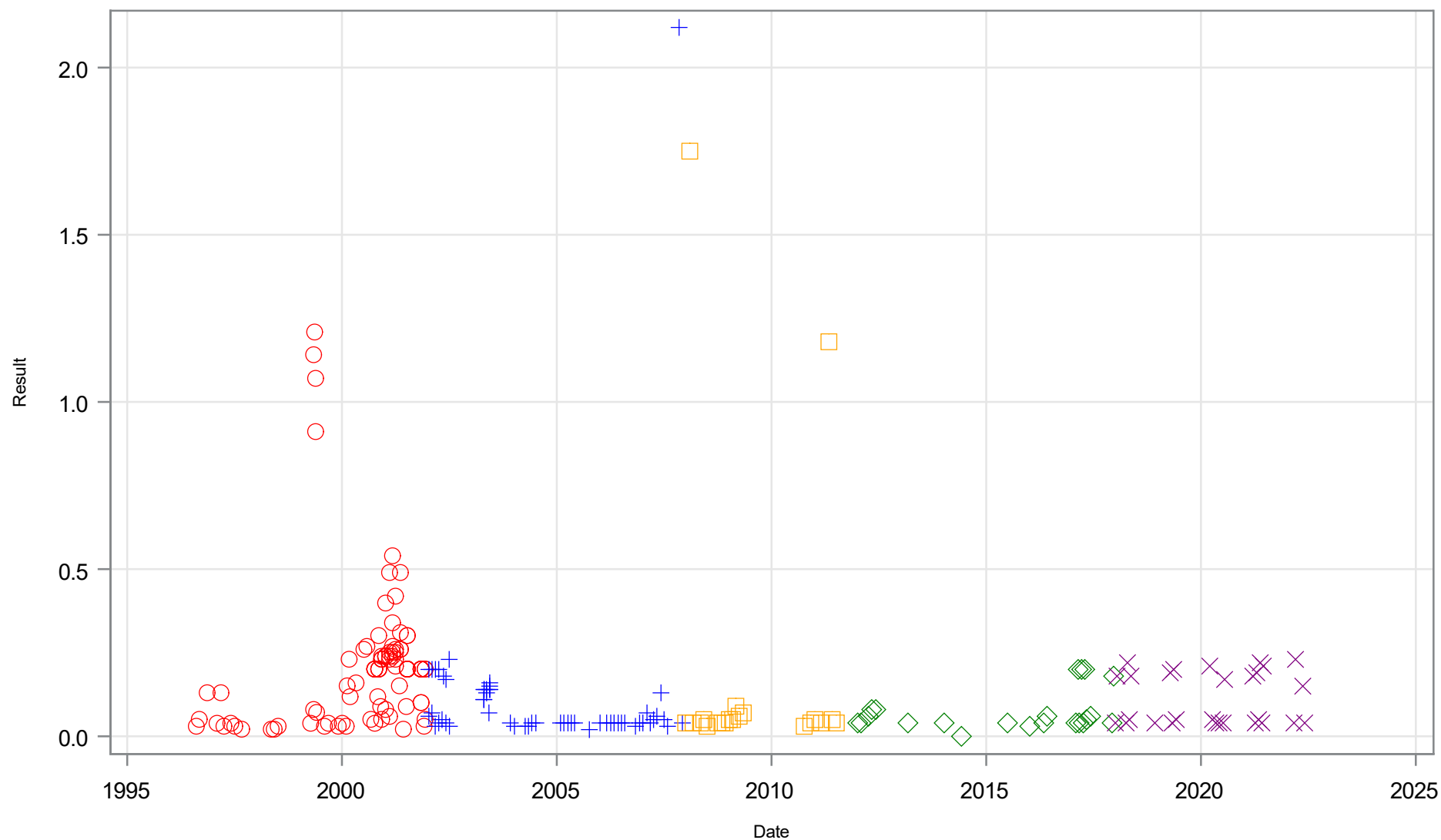


Period ■ P1 ■ P2 ■ P4 ■ P5

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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Salinity (ppt)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

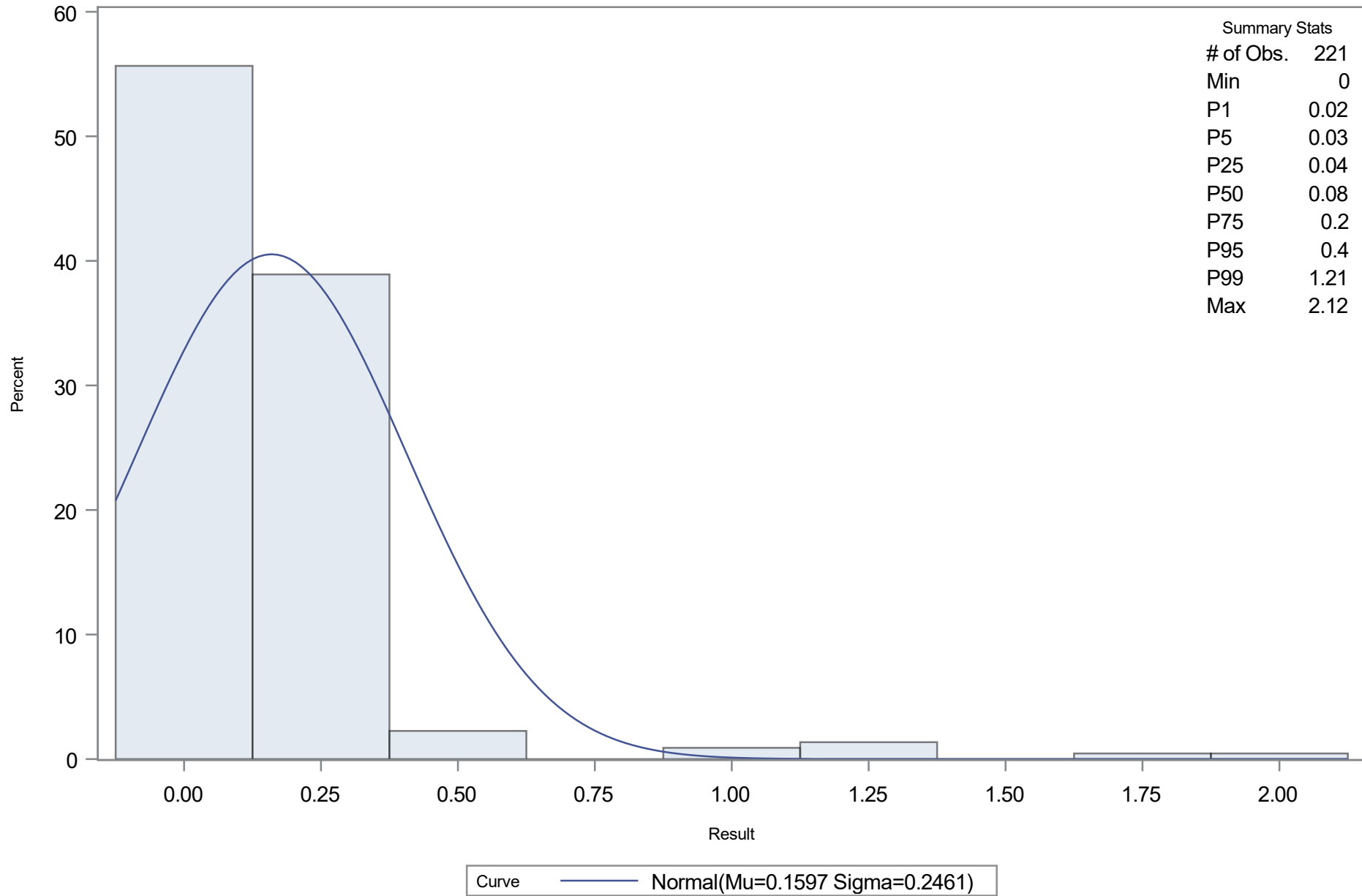
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Hillsborough River Reservoir Surface Salinity (ppt)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.159729
Std Dev	Sigma	0.246082

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2805561	Pr > D	<0.010
Cramer-von Mises	W-Sq	5.4945059	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	30.5447954	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.41274
5.0	0.03000	-0.24504
10.0	0.03000	-0.15564
25.0	0.04000	-0.00625
50.0	0.08000	0.15973
75.0	0.20000	0.32571
90.0	0.26000	0.47510
95.0	0.40000	0.56450
99.0	1.21000	0.73220

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

DRAFT

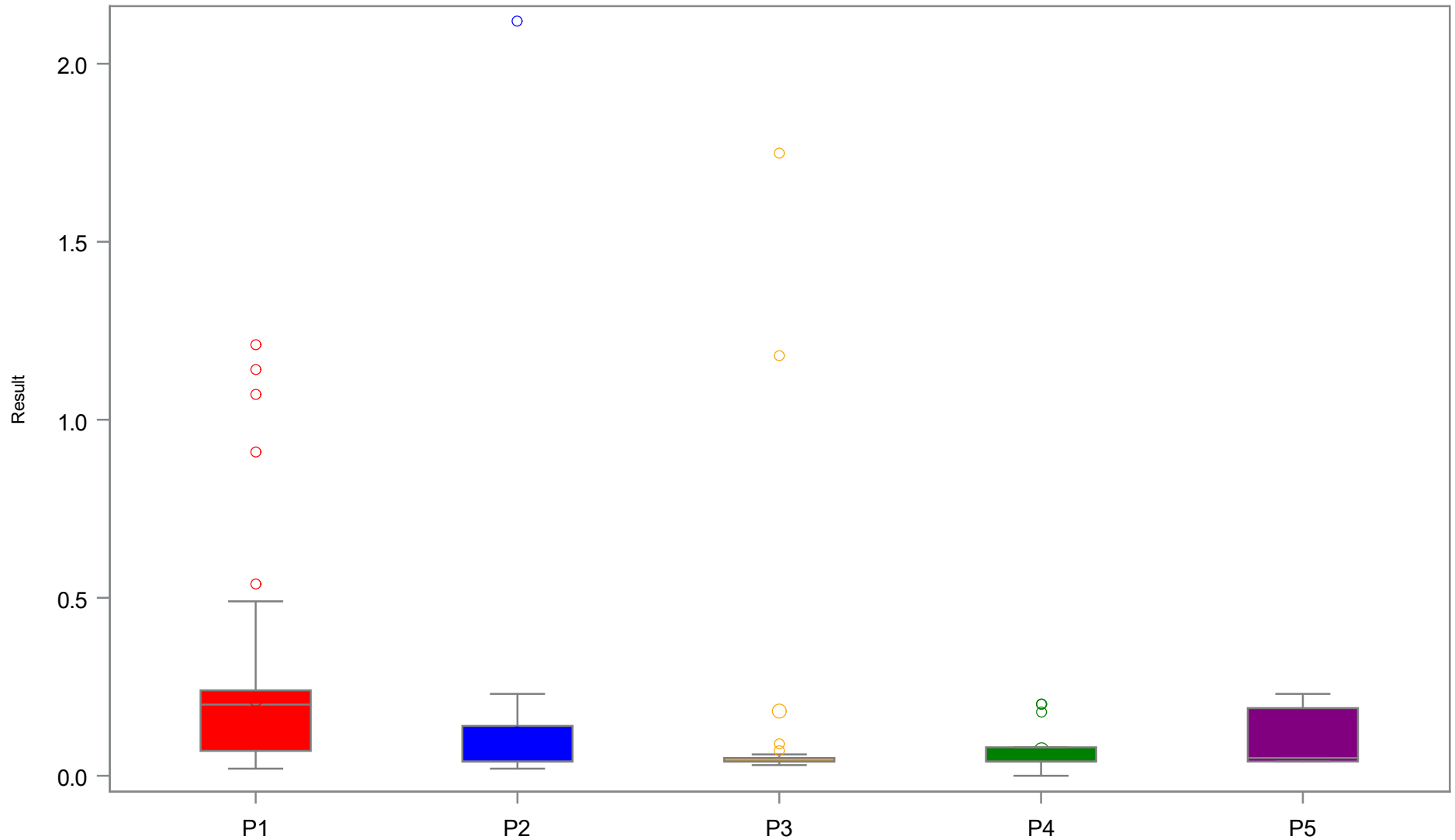
Distributional Statistics by Period for Hillsborough River Reservoir Surface Salinity (ppt)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	94	0.02	0.07	0.21	0.20	0.24	1.21
P2	56	0.02	0.04	0.12	0.04	0.14	2.12
P3	21	0.03	0.04	0.18	0.04	0.05	1.75
P4	22	0.00	0.04	0.07	0.04	0.08	0.20
P5	28	0.04	0.04	0.11	0.05	0.19	0.23

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface Salinity (ppt)

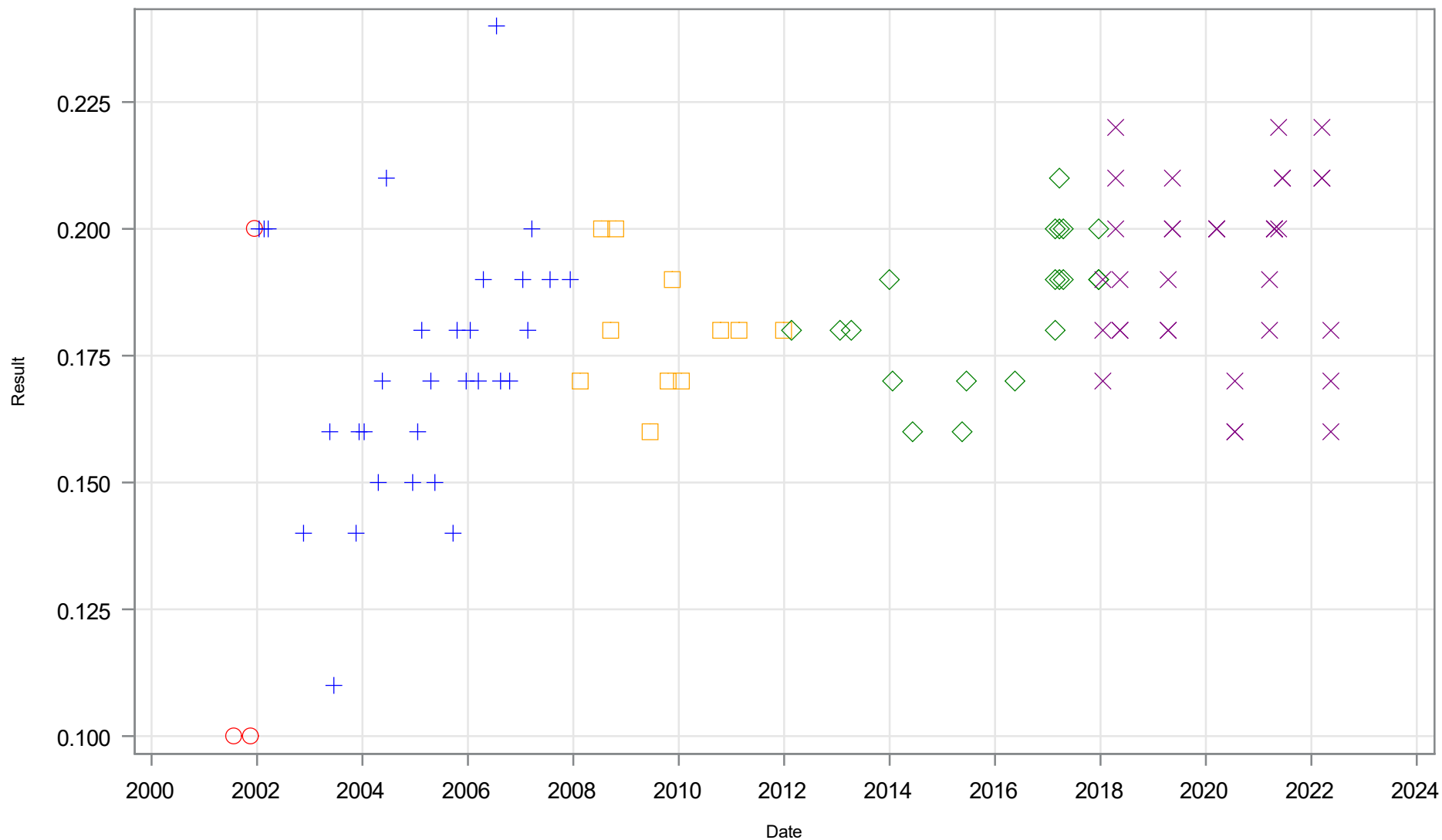


Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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

DRAFT

Timeseries of Upper Hillsborough River Bottom Salinity (ppt)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

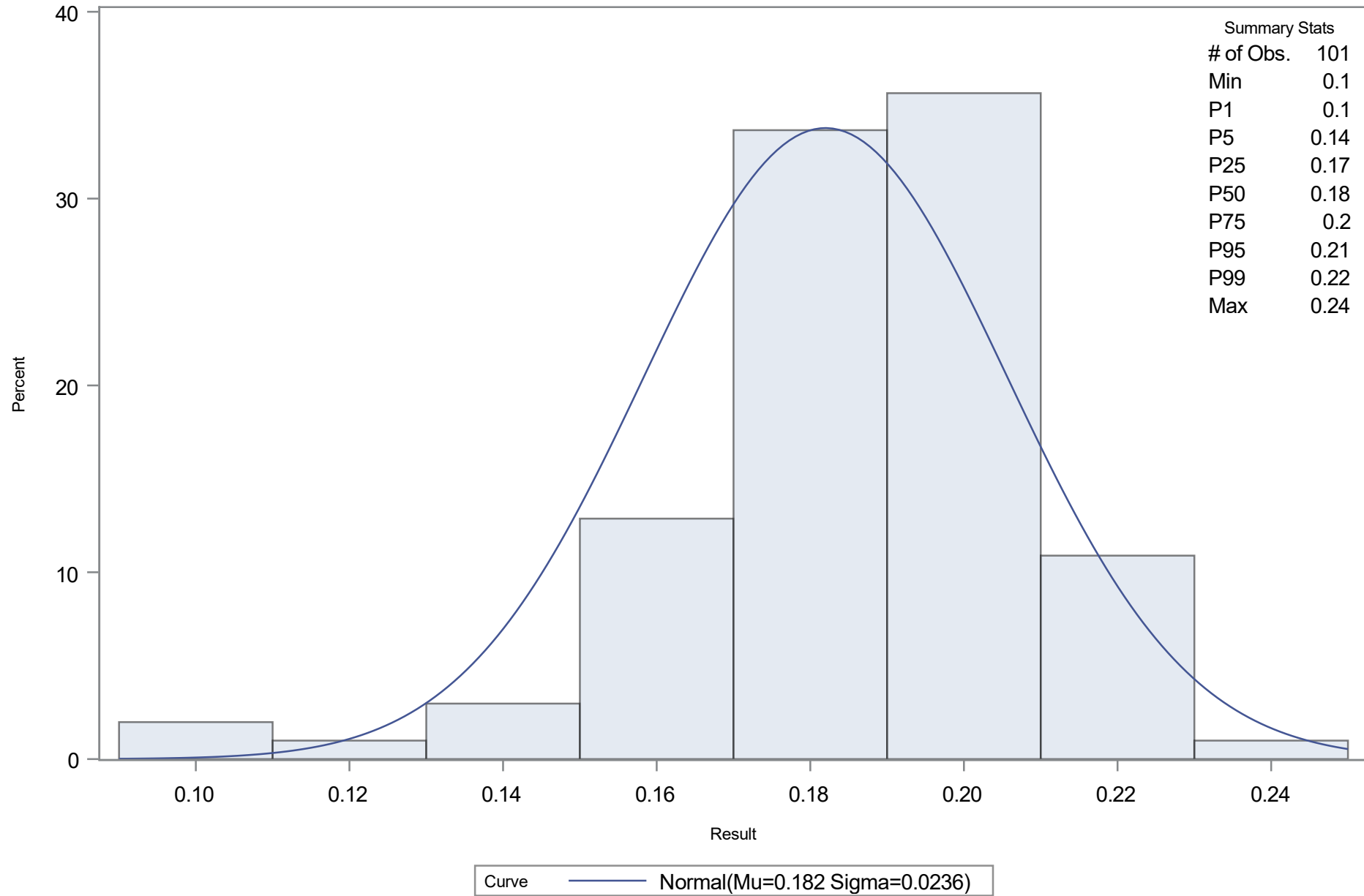
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Upper Hillsborough River Bottom Salinity (ppt)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Bottom Salinity (ppt)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.18198
Std Dev	Sigma	0.023623

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.12996393	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.30010581	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.91374262	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.10000	0.12703
5.0	0.14000	0.14312
10.0	0.16000	0.15171
25.0	0.17000	0.16605
50.0	0.18000	0.18198
75.0	0.20000	0.19791
90.0	0.21000	0.21225
95.0	0.21000	0.22084
99.0	0.22000	0.23694

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

DRAFT

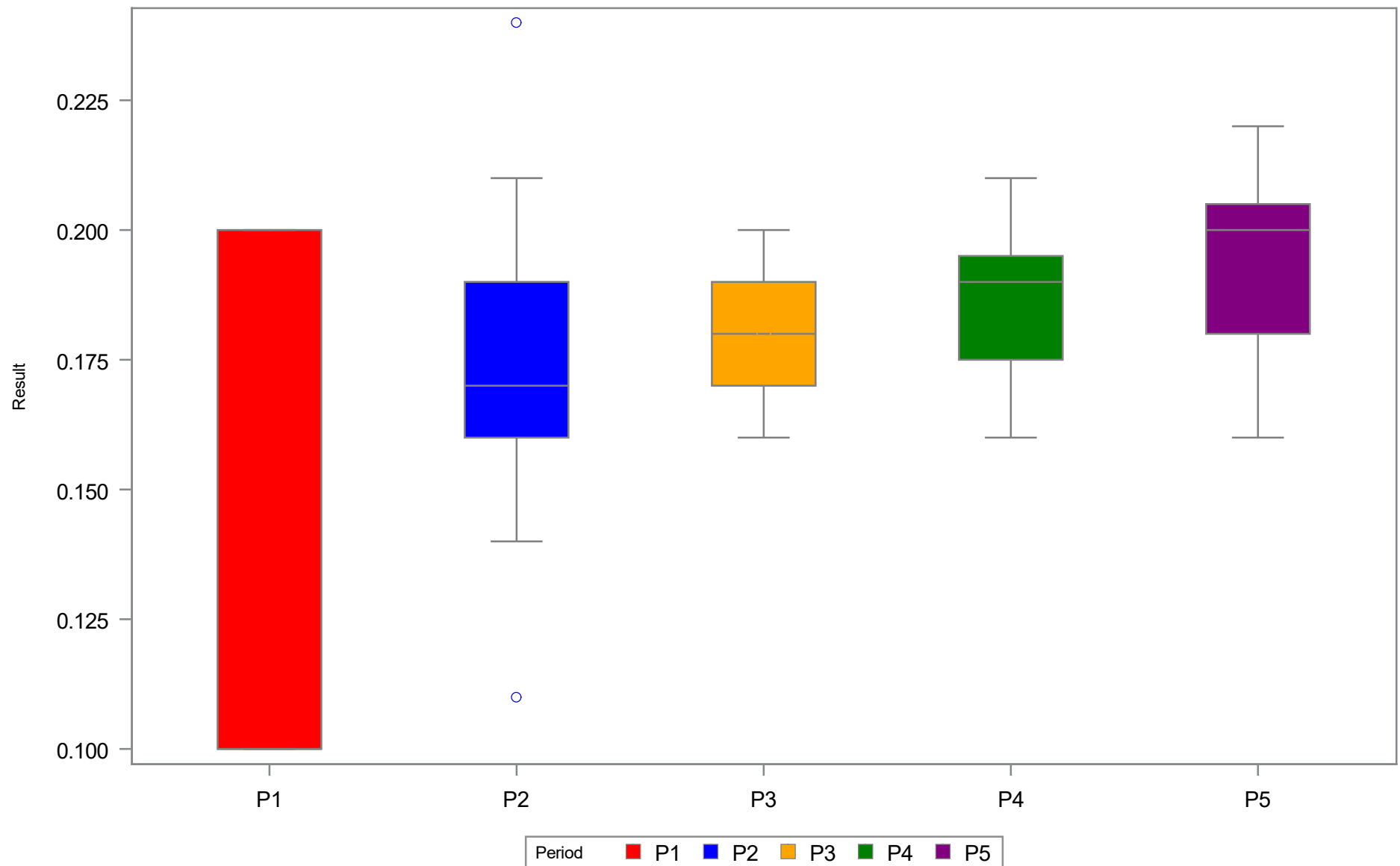
Distributional Statistics by Period for Upper Hillsborough River Bottom Salinity (ppt)

	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	11	0.16	0.17	0.18	0.18	0.19	0.20
P4	20	0.16	0.18	0.19	0.19	0.20	0.21
P5	36	0.16	0.18	0.19	0.20	0.21	0.22

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

DRAFT

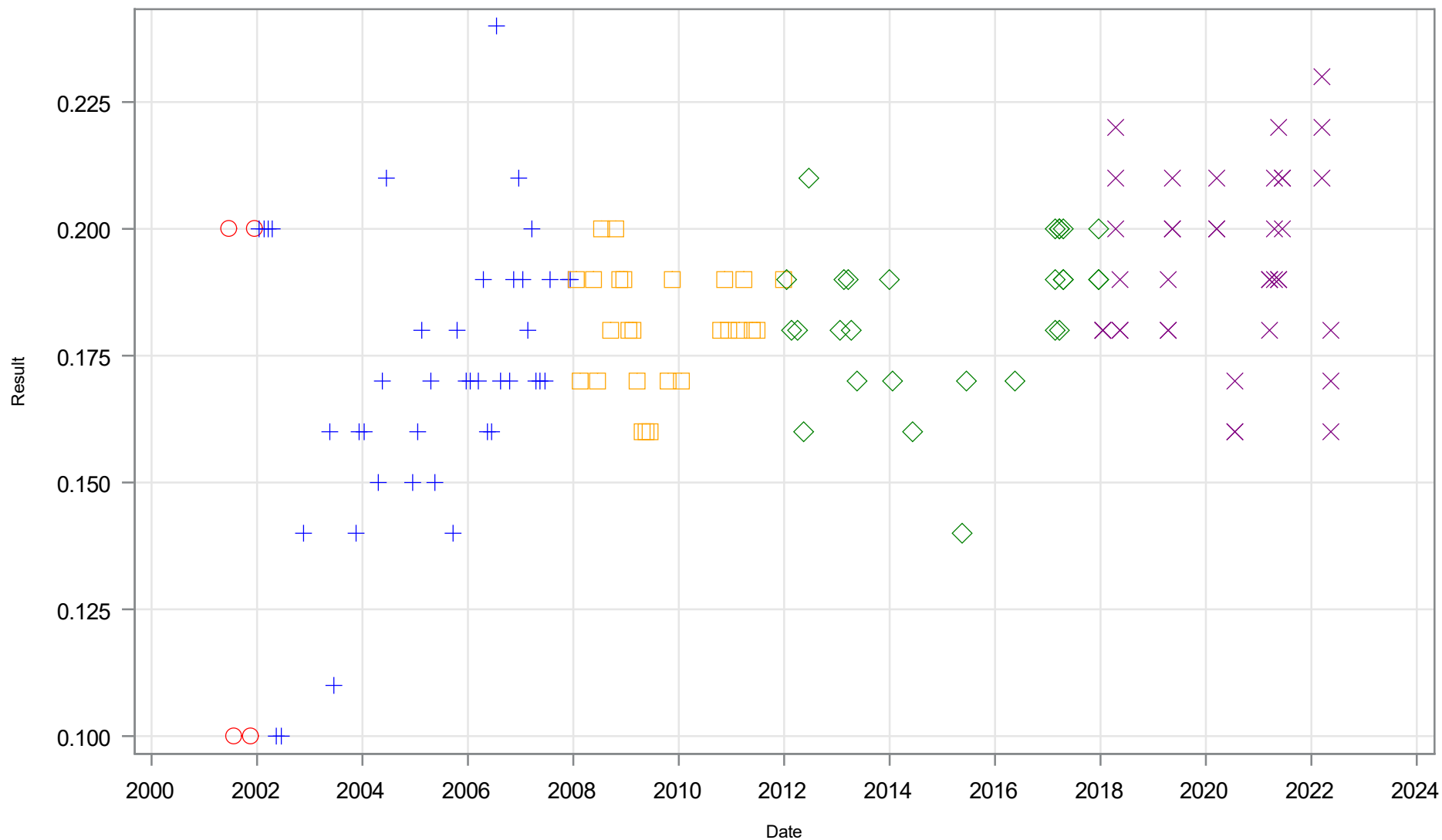
Boxplot by MFL Period for Upper Hillsborough River Bottom Salinity (ppt)



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

DRAFT

Timeseries of Upper Hillsborough River Midwater Salinity (ppt)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

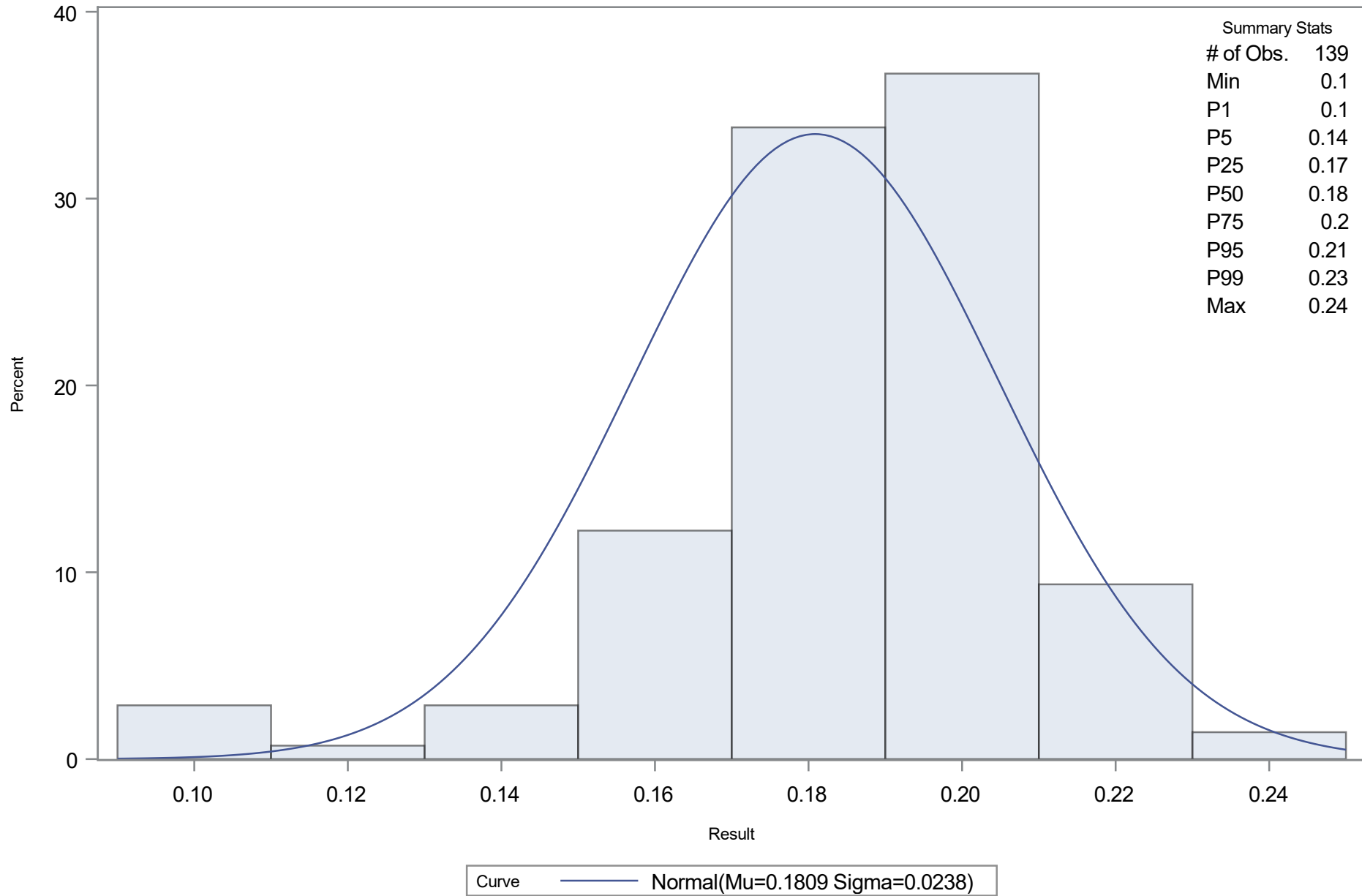
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Upper Hillsborough River Midwater Salinity (ppt)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Midwater Salinity (ppt)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.180863
Std Dev	Sigma	0.02385

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.14743286	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.53038965	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.31032993	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.10000	0.12538
5.0	0.14000	0.14163
10.0	0.16000	0.15030
25.0	0.17000	0.16478
50.0	0.18000	0.18086
75.0	0.20000	0.19695
90.0	0.21000	0.21143
95.0	0.21000	0.22009
99.0	0.23000	0.23635

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

DRAFT

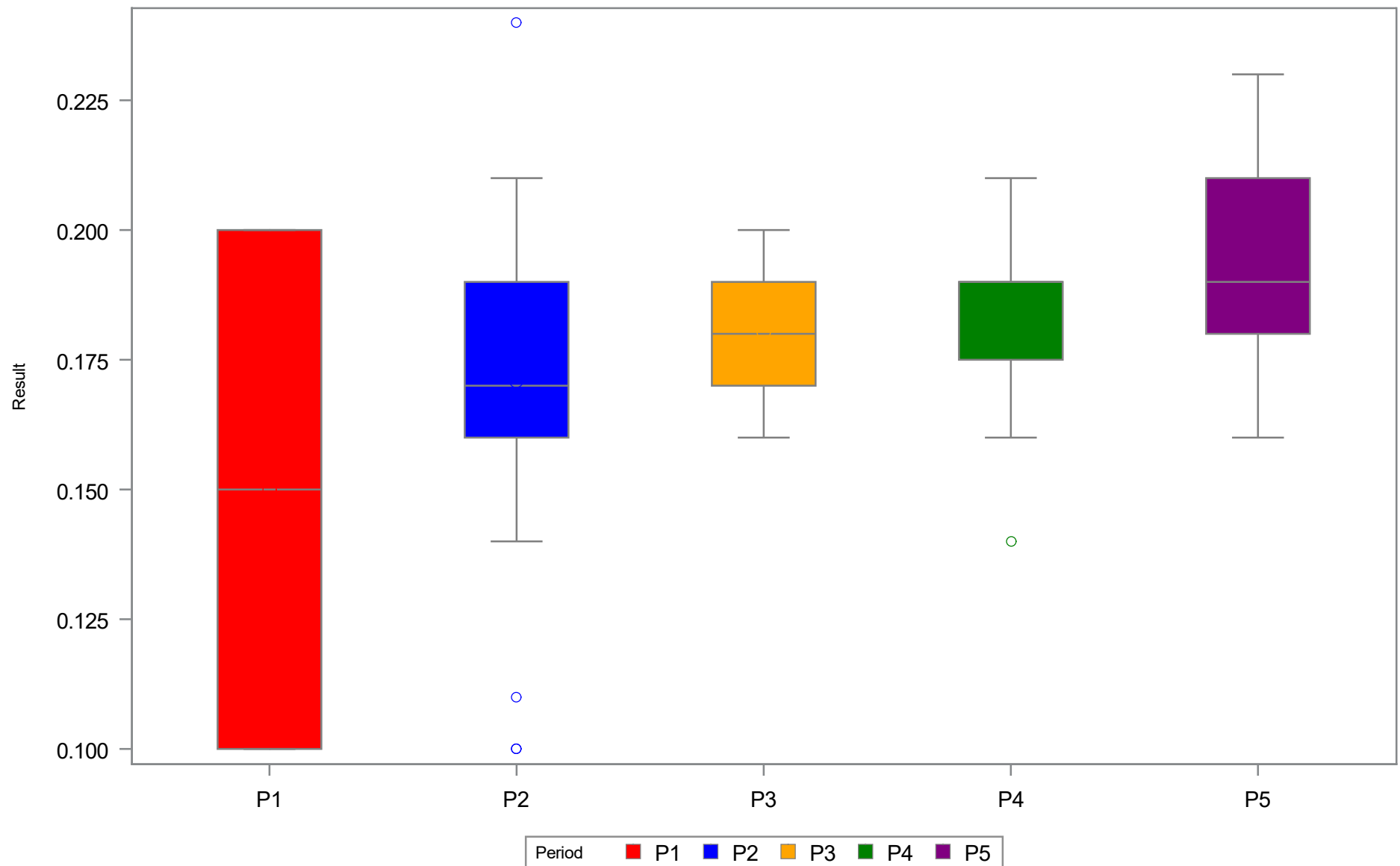
Distributional Statistics by Period for Upper Hillsborough River Midwater Salinity (ppt)

	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	26	0.16	0.17	0.18	0.18	0.19	0.20
P4	28	0.14	0.18	0.18	0.19	0.19	0.21
P5	39	0.16	0.18	0.19	0.19	0.21	0.23

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

DRAFT

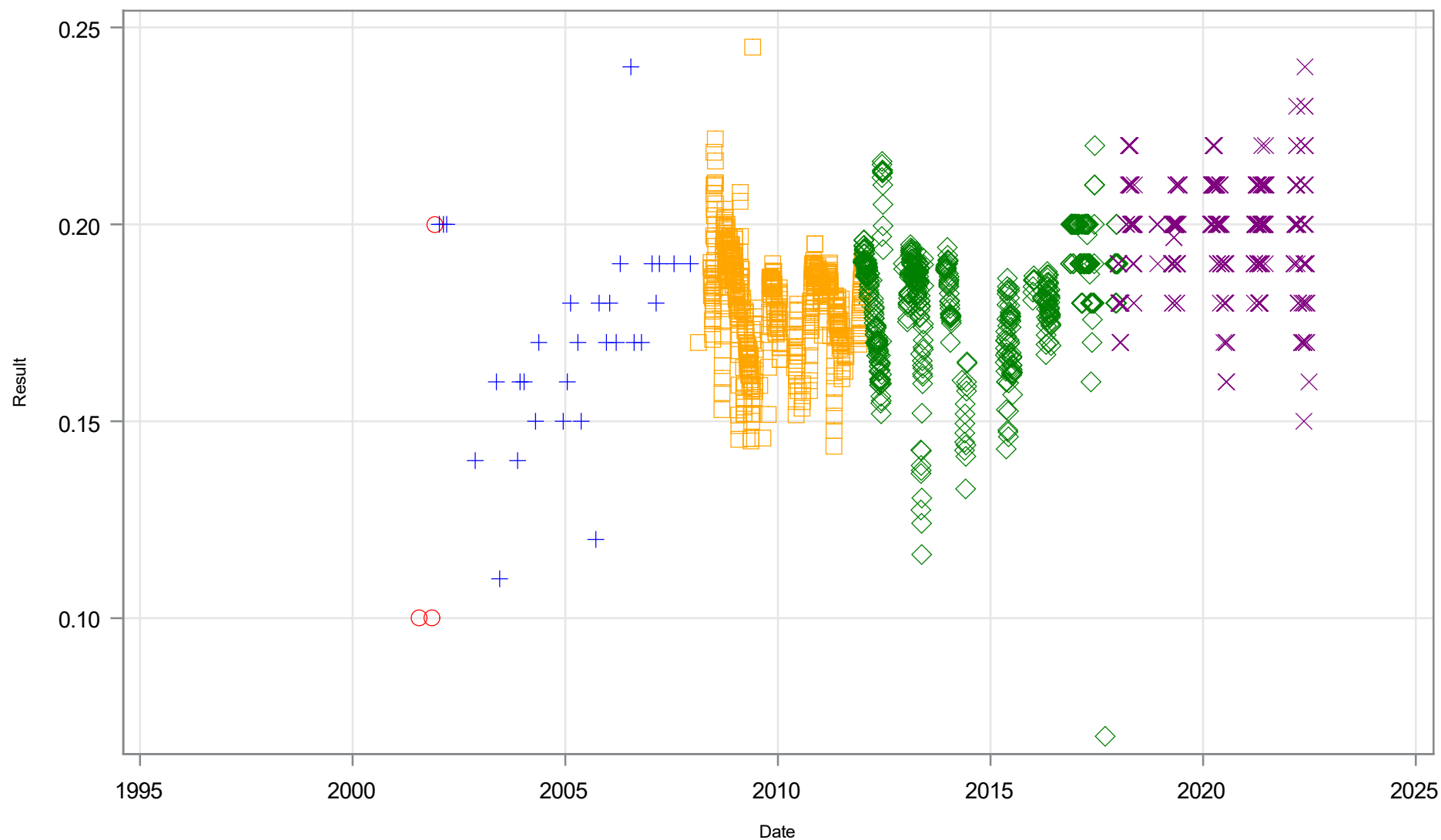
Boxplot by MFL Period for Upper Hillsborough River Midwater Salinity (ppt)



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

DRAFT

Timeseries of Upper Hillsborough River Surface Salinity (ppt)



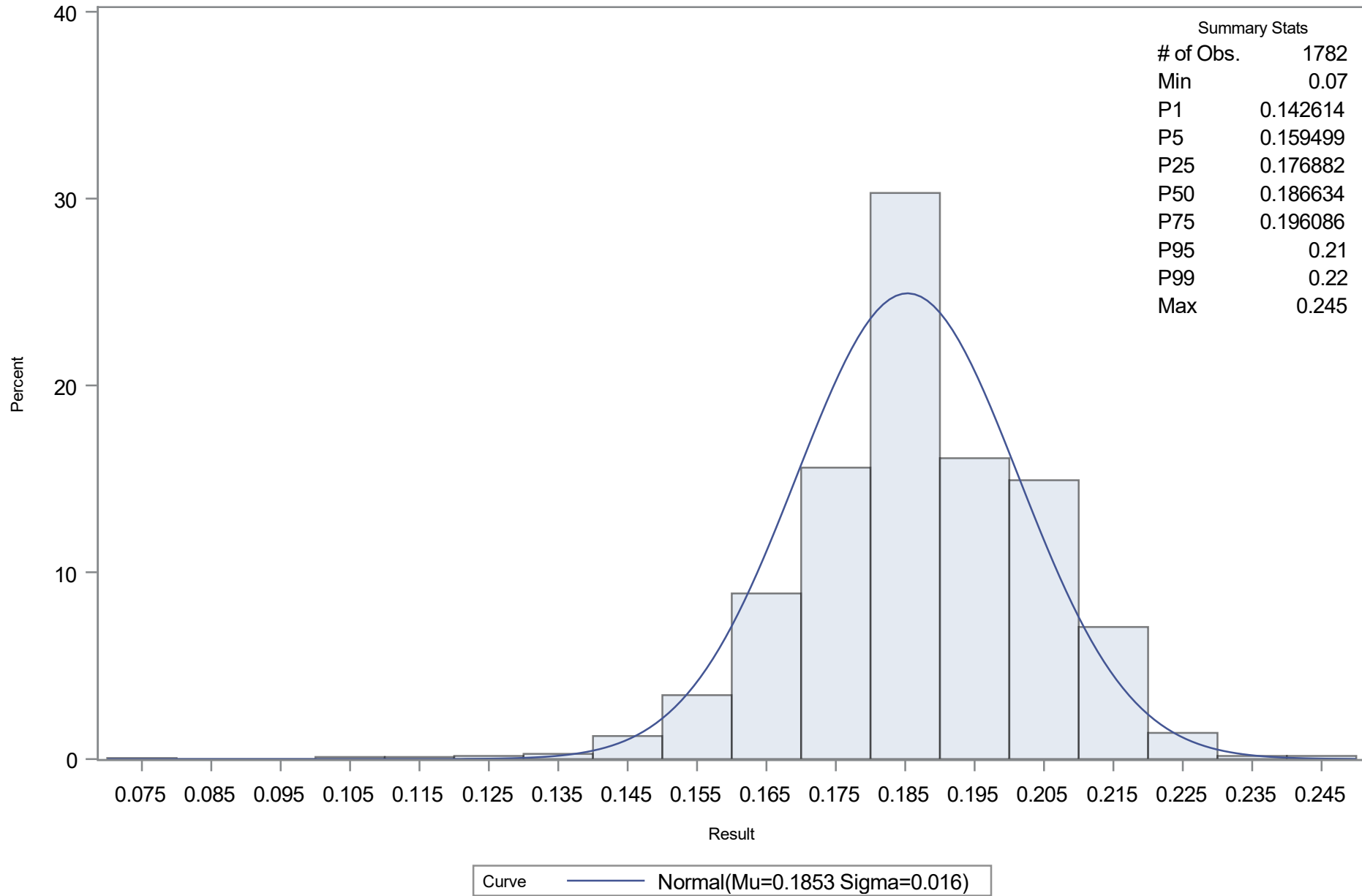
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Salinity (ppt)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface Salinity (ppt)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.18533
Std Dev	Sigma	0.016002

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0831192	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.3047058	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	13.1656929	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.14261	0.14810
5.0	0.15950	0.15901
10.0	0.16578	0.16482
25.0	0.17688	0.17454
50.0	0.18663	0.18533
75.0	0.19609	0.19612
90.0	0.20000	0.20584
95.0	0.21000	0.21165
99.0	0.22000	0.22256

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

DRAFT

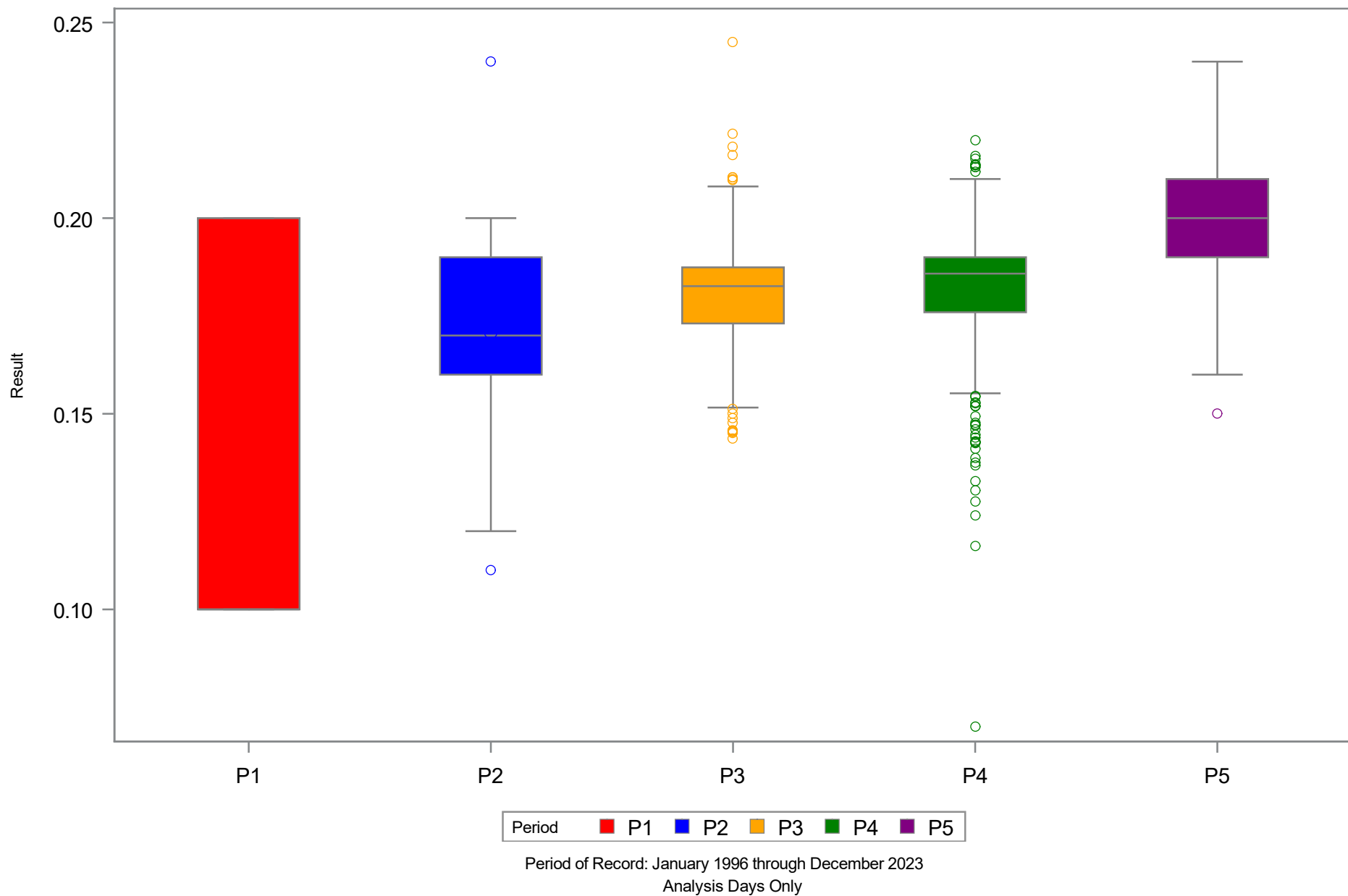
Distributional Statistics by Period for Upper Hillsborough River Surface Salinity (ppt)

	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	668	0.14	0.17	0.18	0.18	0.19	0.25
P4	617	0.07	0.18	0.18	0.19	0.19	0.22
P5	464	0.15	0.19	0.20	0.20	0.21	0.24

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

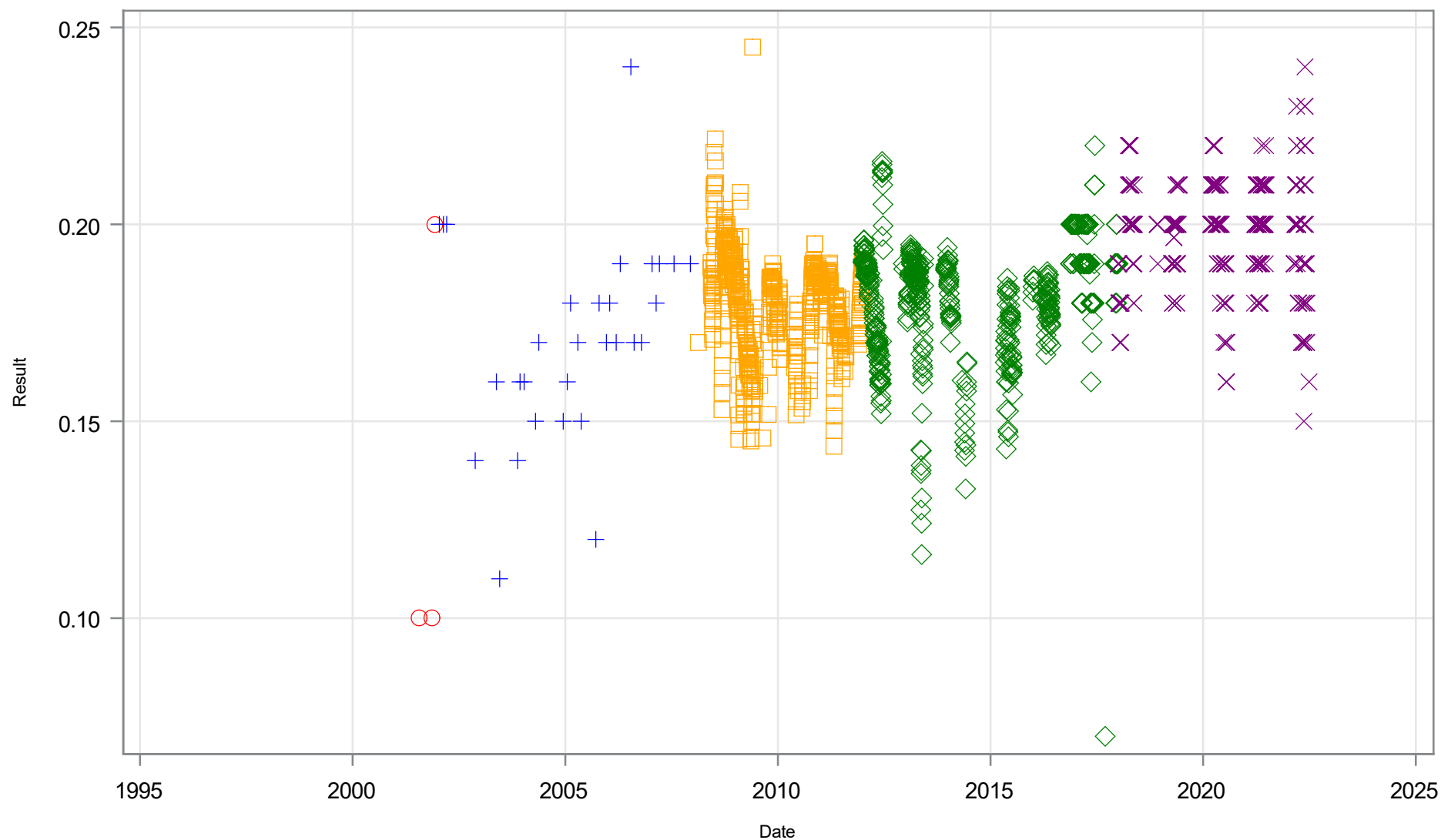
DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Salinity (ppt)



DRAFT

Timeseries of Upper Hillsborough River Surface Salinity Daily Average (ppt)



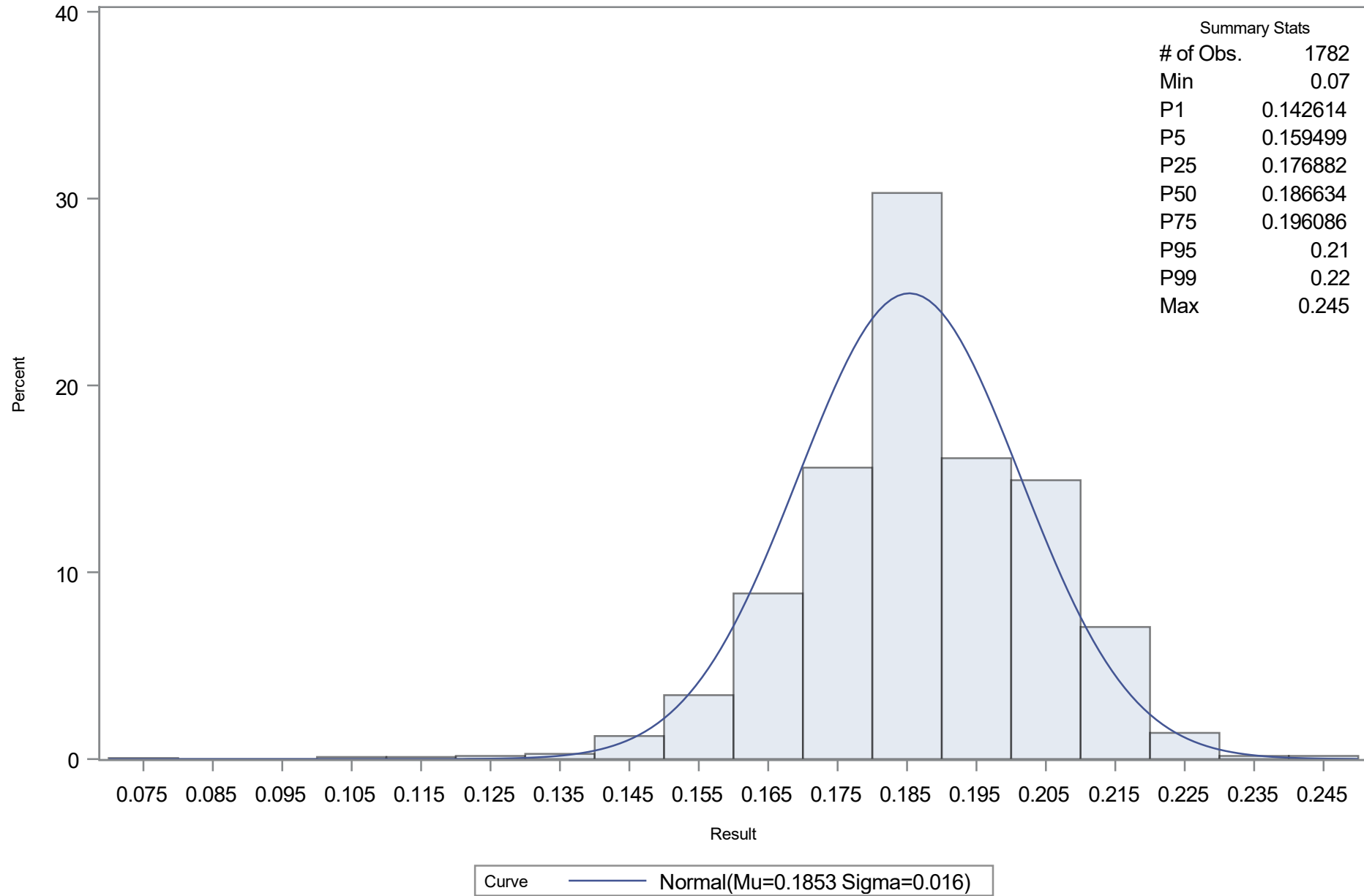
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Salinity Daily Average (ppt)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.18533
Std Dev	Sigma	0.016002

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0831192	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.3047058	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	13.1656929	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.14261	0.14810
5.0	0.15950	0.15901
10.0	0.16578	0.16482
25.0	0.17688	0.17454
50.0	0.18663	0.18533
75.0	0.19609	0.19612
90.0	0.20000	0.20584
95.0	0.21000	0.21165
99.0	0.22000	0.22256

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

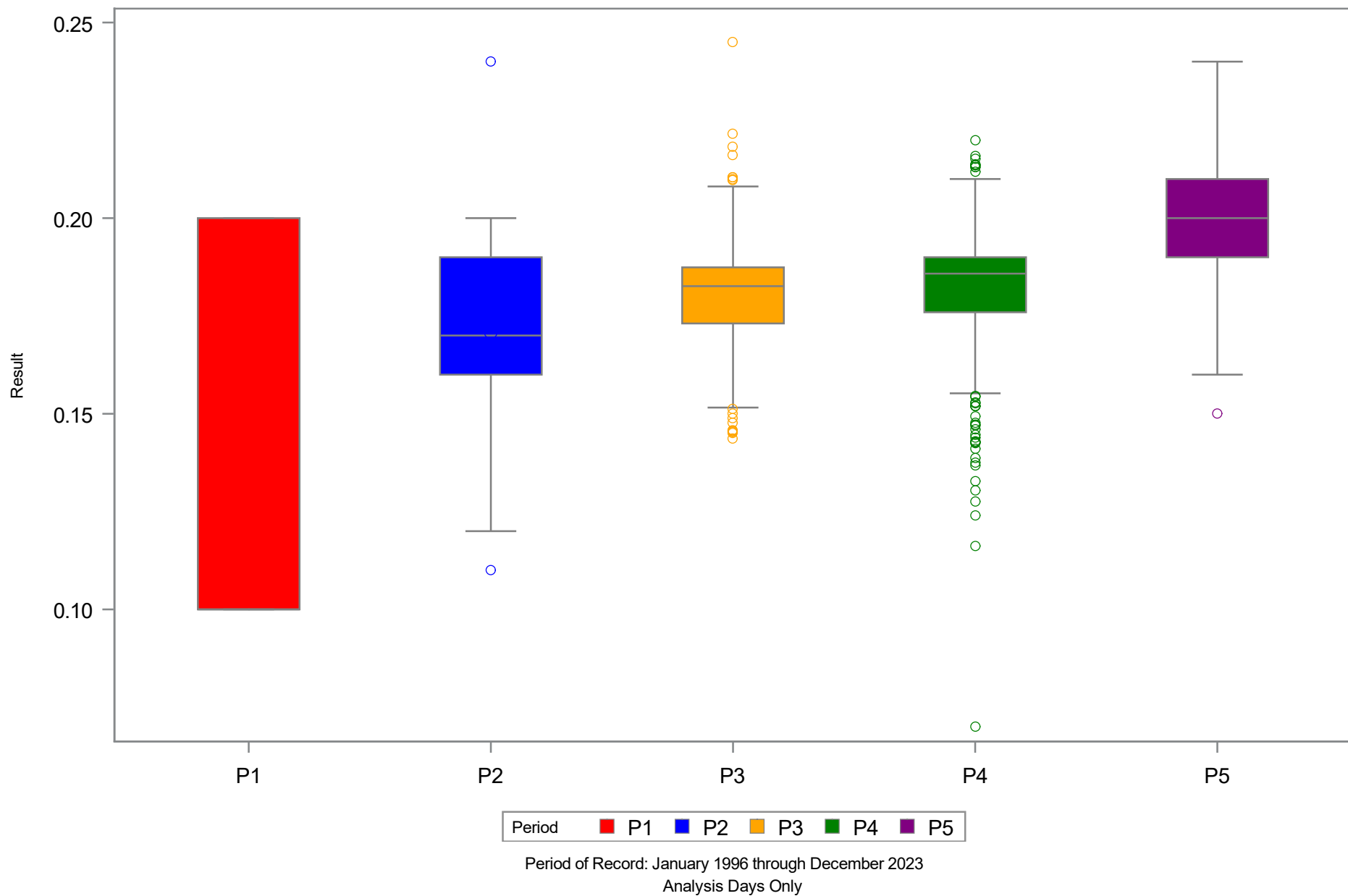
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Salinity Daily Average (ppt)

	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	668	0.14	0.17	0.18	0.18	0.19	0.25
P4	617	0.07	0.18	0.18	0.19	0.19	0.22
P5	464	0.15	0.19	0.20	0.20	0.21	0.24

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

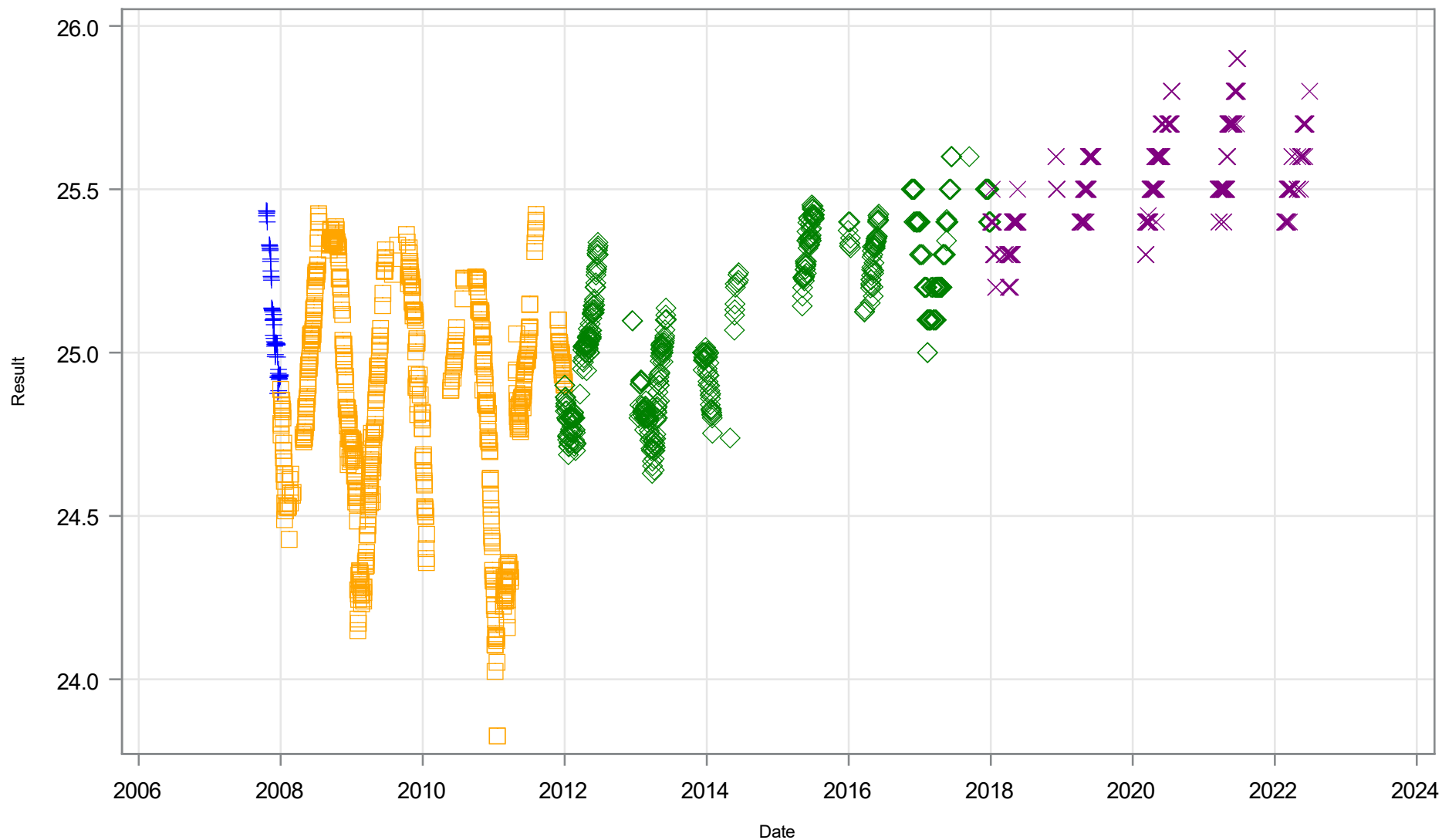
DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Salinity Daily Average (ppt)



DRAFT

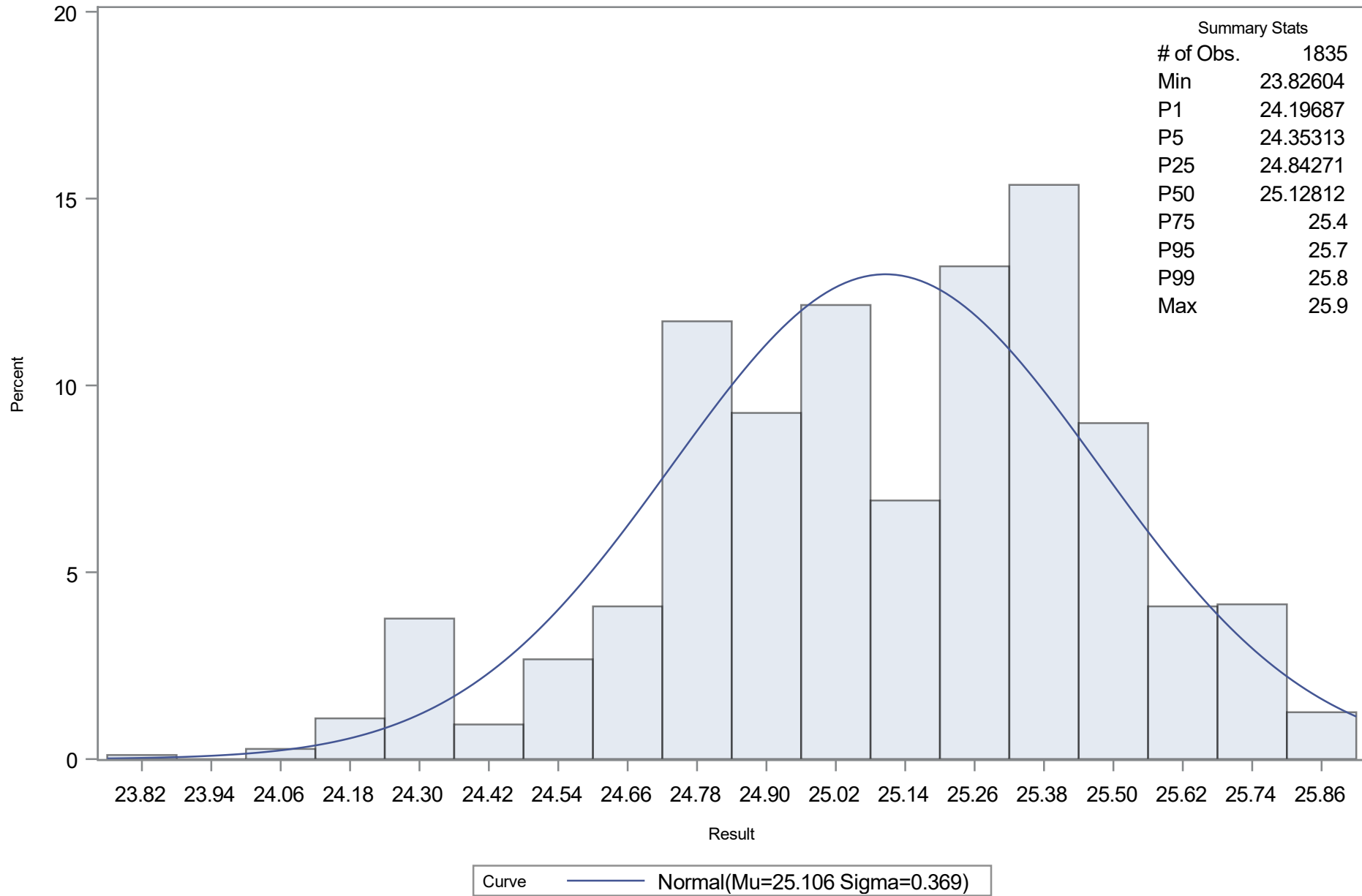
Timeseries of Sulphur Springs Pool Surface Water Temperature Daily Avg (c)



Period + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	25.10588
Std Dev	Sigma	0.368964

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0738961	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.5422696	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	10.8421661	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	24.1969	24.2475
5.0	24.3531	24.4990
10.0	24.6406	24.6330
25.0	24.8427	24.8570
50.0	25.1281	25.1059
75.0	25.4000	25.3547
90.0	25.5000	25.5787
95.0	25.7000	25.7128
99.0	25.8000	25.9642

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

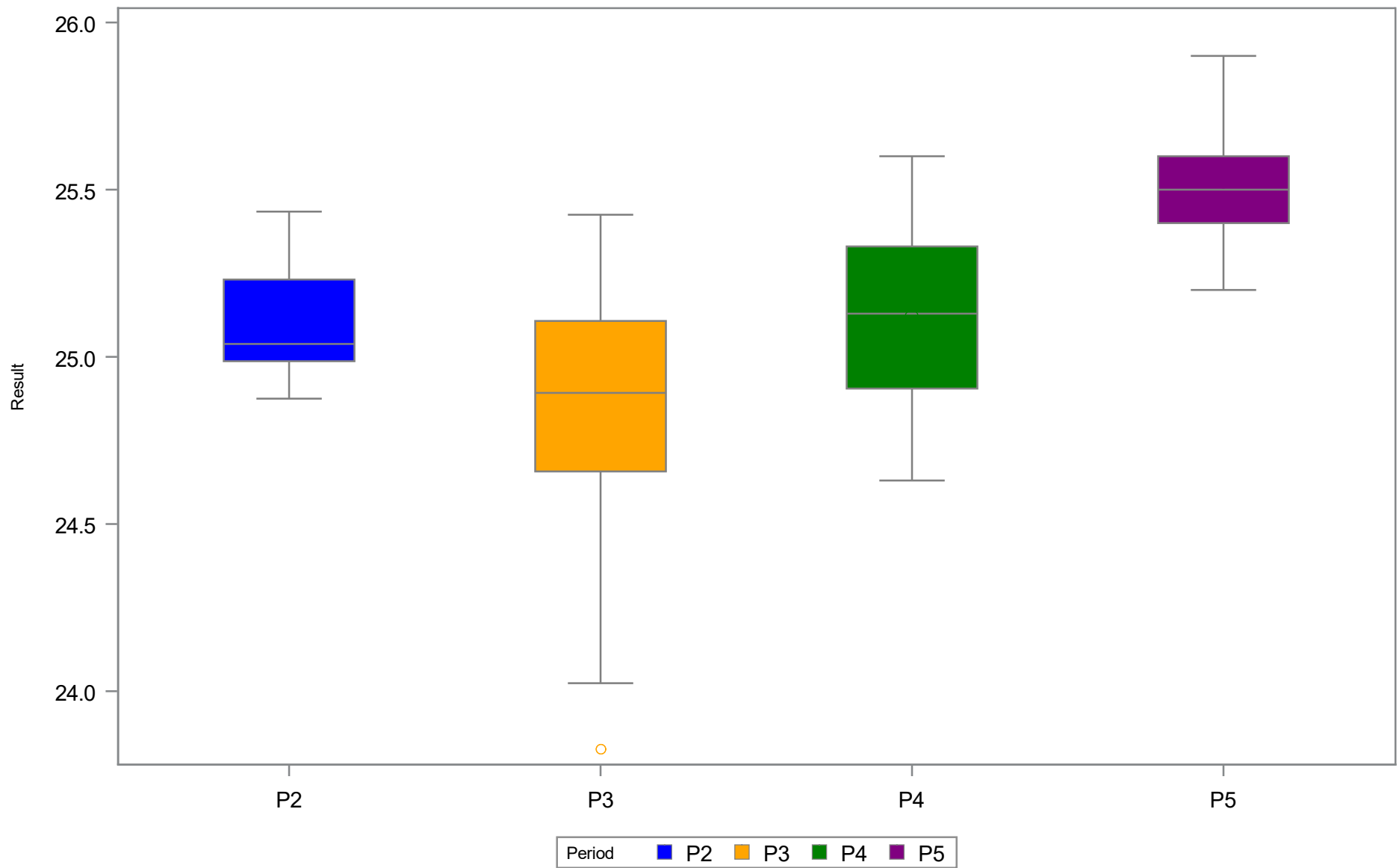
DRAFT Distributional Statistics by Period for Sulphur Springs Pool Surface Water Temperature Daily Avg (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	64	24.88	24.99	25.10	25.04	25.23	25.43
P3	750	23.83	24.66	24.86	24.89	25.11	25.43
P4	593	24.63	24.91	25.12	25.13	25.33	25.60
P5	428	25.20	25.40	25.53	25.50	25.60	25.90

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

DRAFT

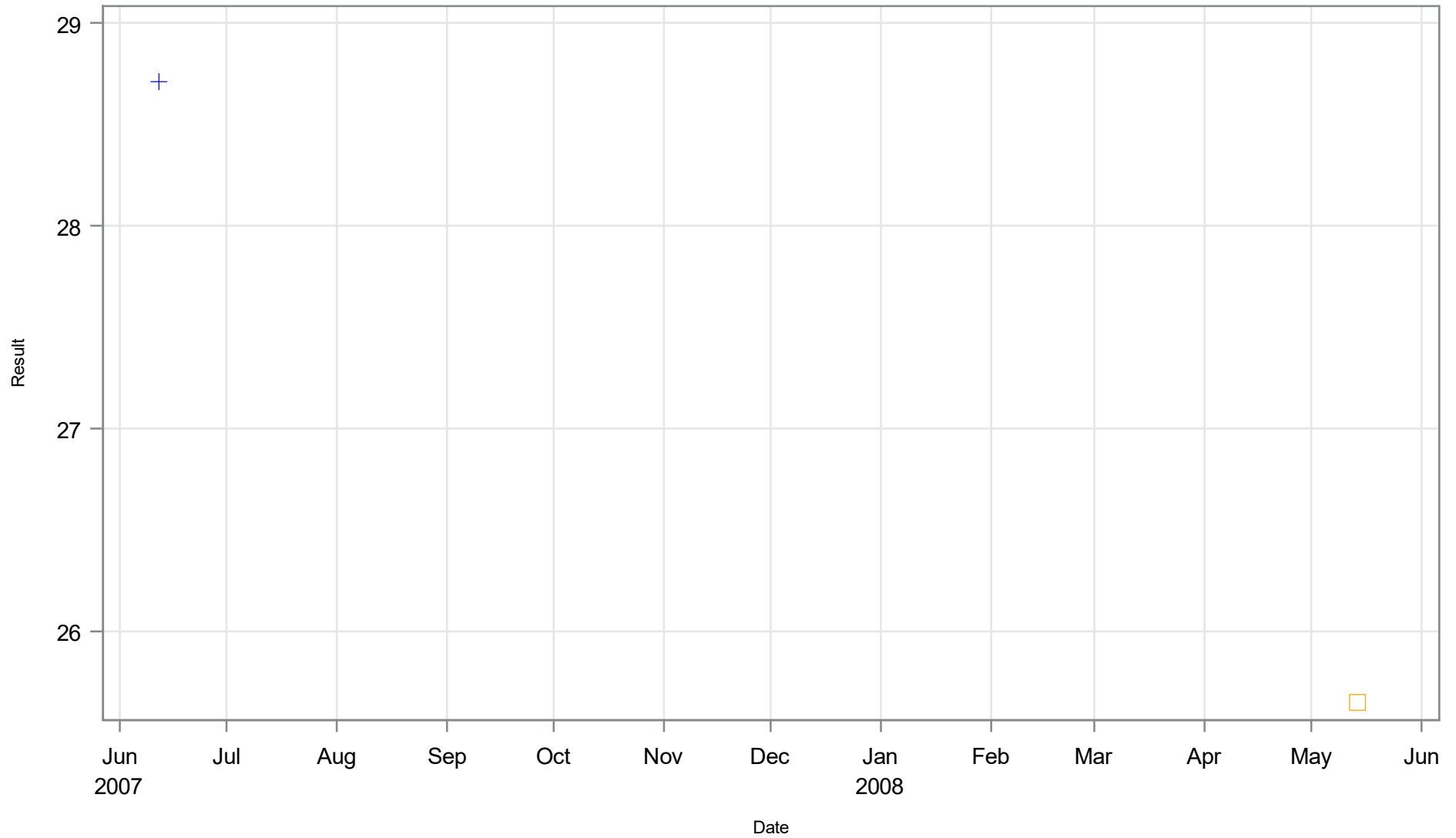
Boxplot by MFL Period for Sulphur Springs Pool Surface Water Temperature Daily Avg (c)



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

DRAFT

Timeseries of Sulphur Springs Run Bottom Water Temperature (c)



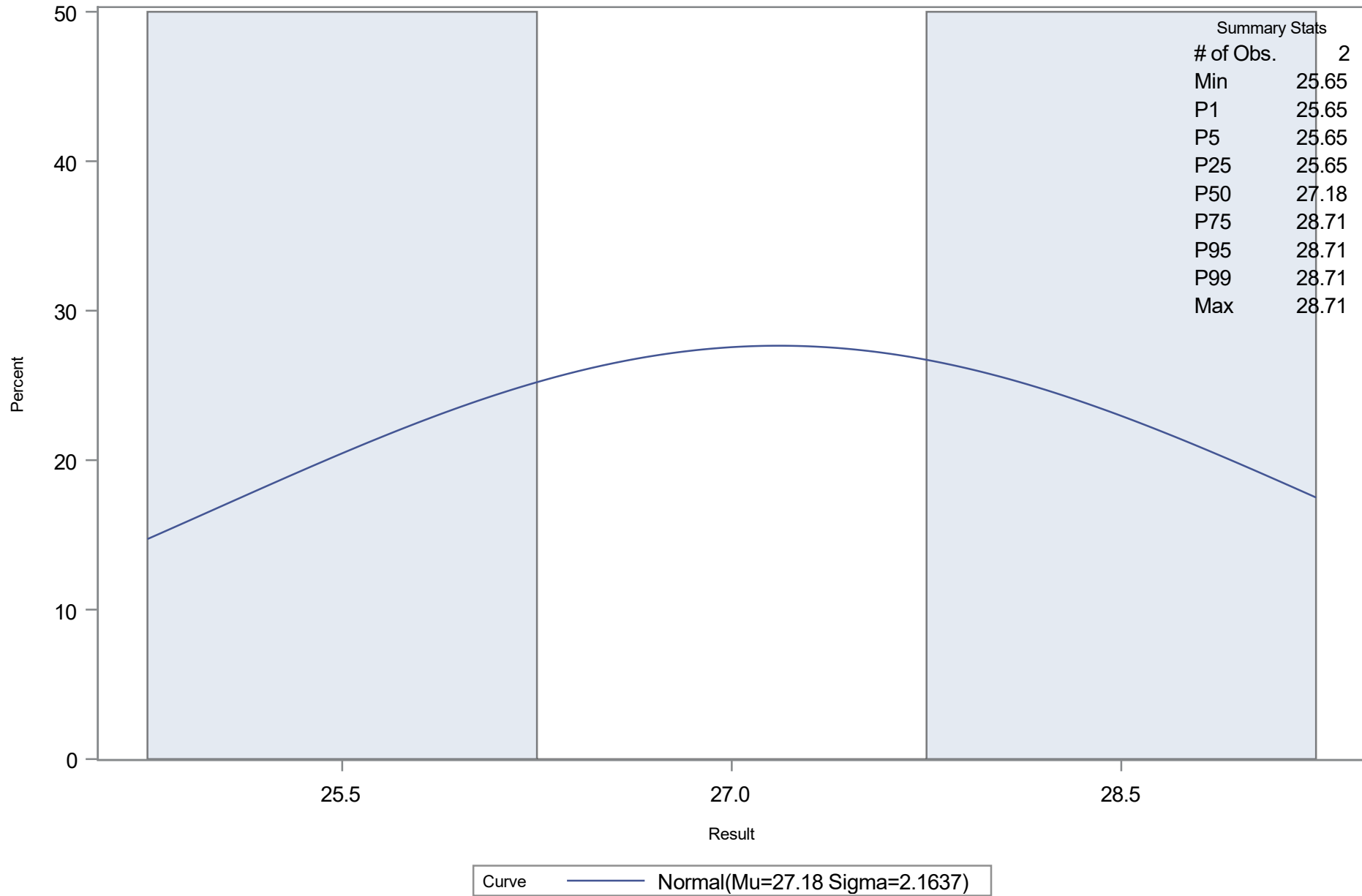
Period + P2 □ P3

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

DRAFT

Univariate Histogram of Sulphur Springs Run Bottom Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Bottom Water Temperature (c)**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		
Percent	Quantile	
	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

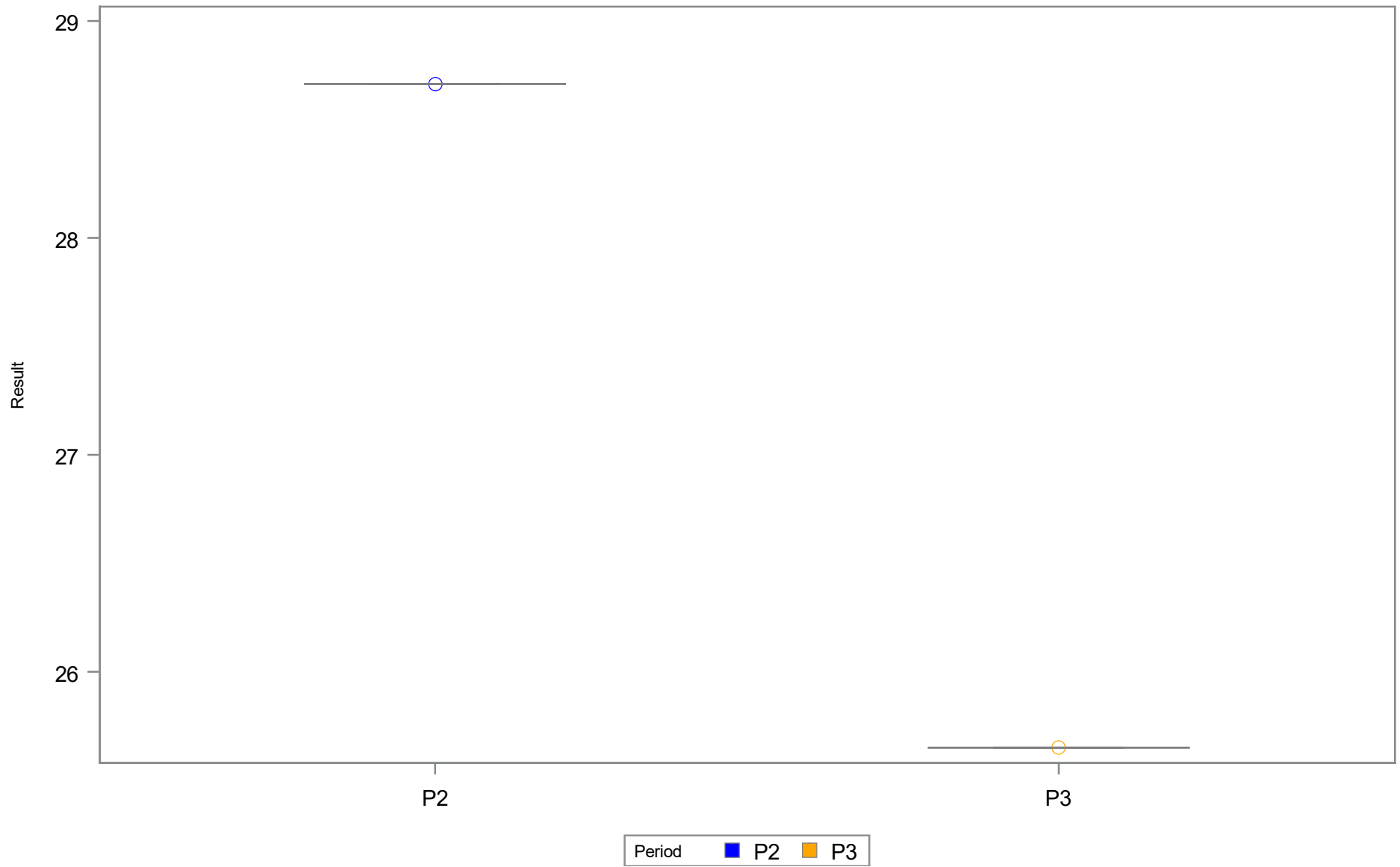
Distributional Statistics by Period for Sulphur Springs Run Bottom Water Temperature (c)

	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

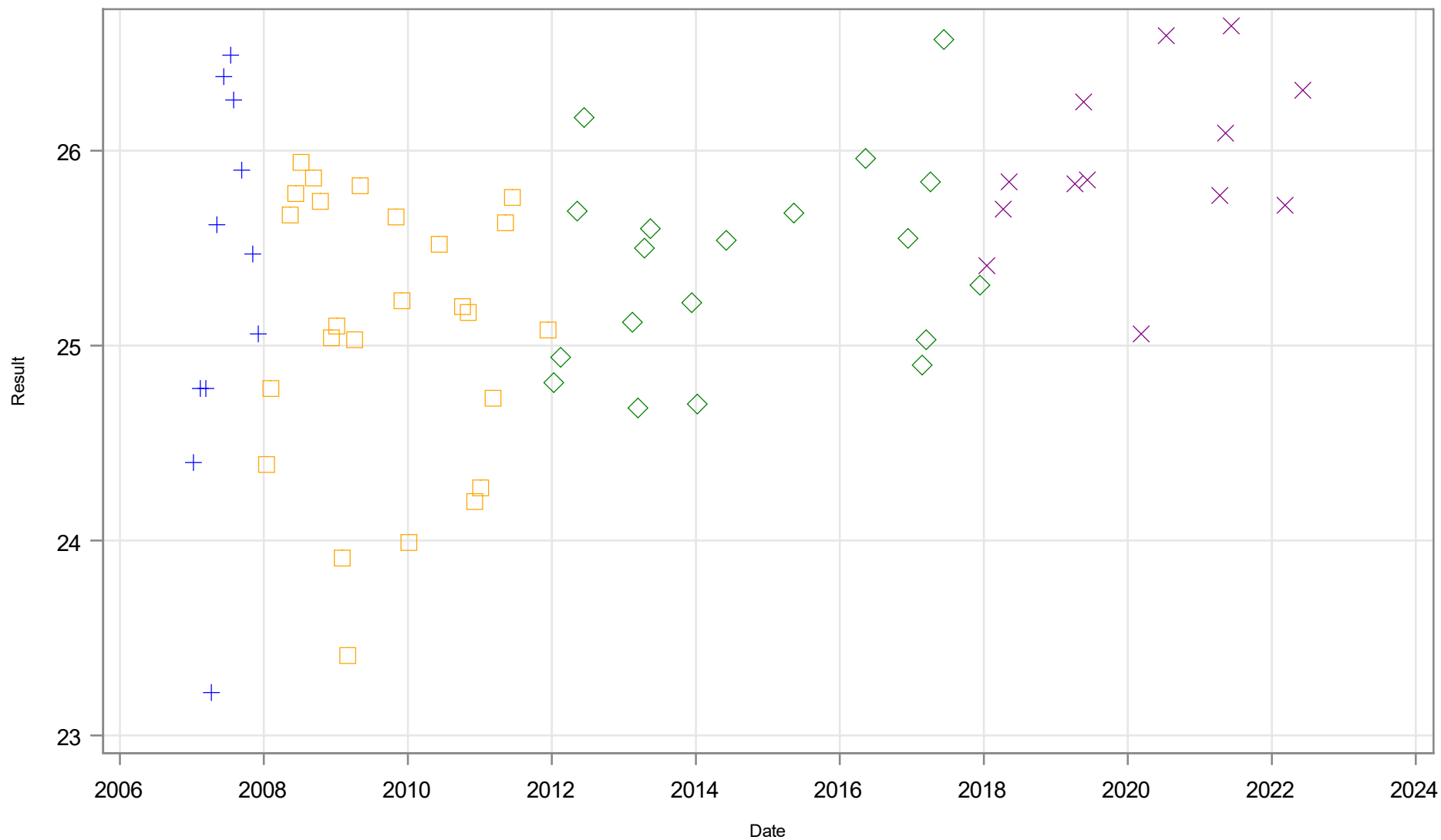
Boxplot by MFL Period for Sulphur Springs Run Bottom Water Temperature (c)



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

DRAFT

Timeseries of Sulphur Springs Run Midwater Water Temperature (c)



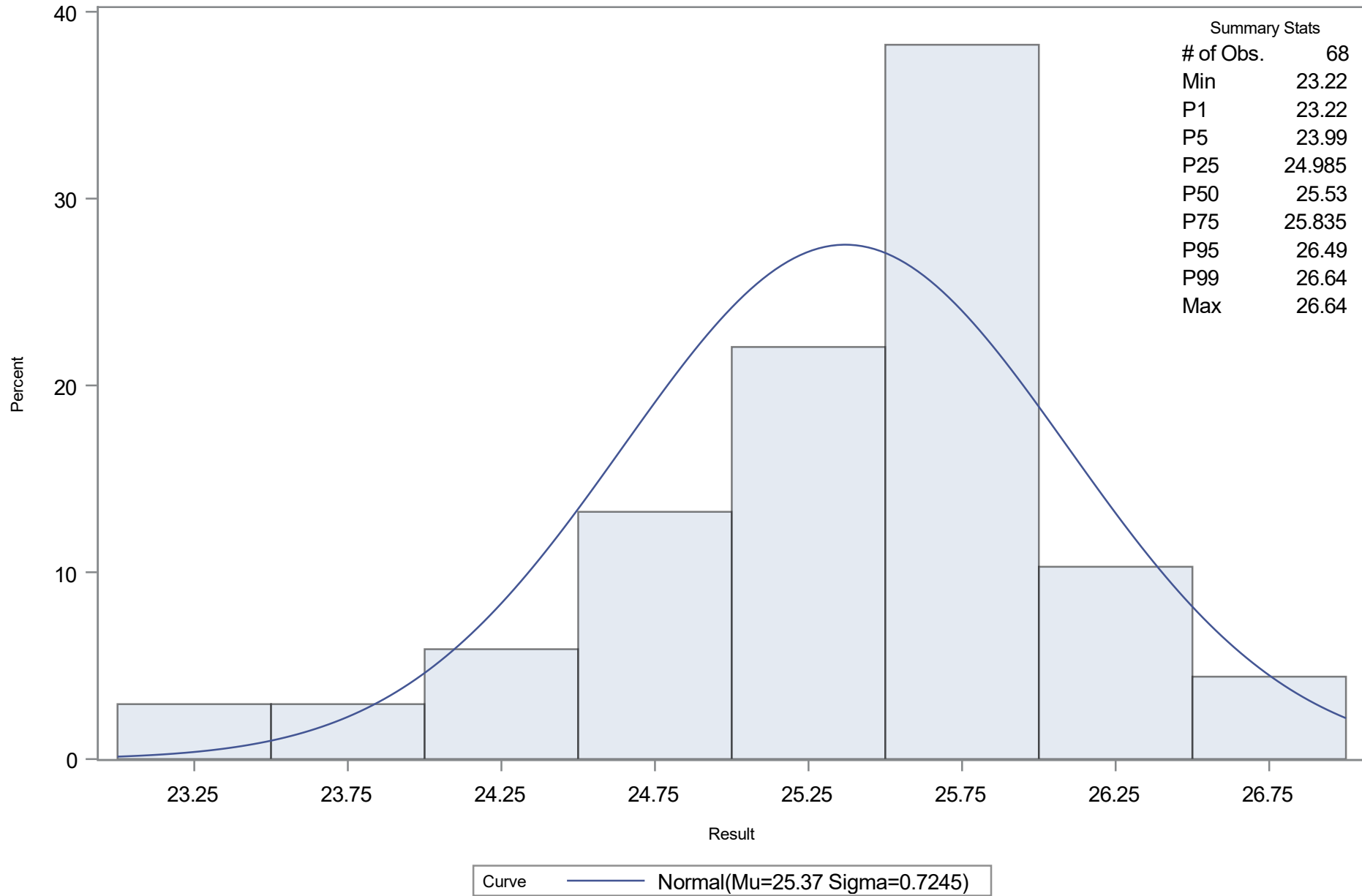
Period + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Midwater Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Midwater Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	25.36971
Std Dev	Sigma	0.724476

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10077503	Pr > D	0.086
Cramer-von Mises	W-Sq	0.12170424	Pr > W-Sq	0.058
Anderson-Darling	A-Sq	0.71400963	Pr > A-Sq	0.062

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	23.2200	23.6843
5.0	23.9900	24.1780
10.0	24.3900	24.4413
25.0	24.9850	24.8811
50.0	25.5300	25.3697
75.0	25.8350	25.8584
90.0	26.2600	26.2982
95.0	26.4900	26.5614
99.0	26.6400	27.0551

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

DRAFT

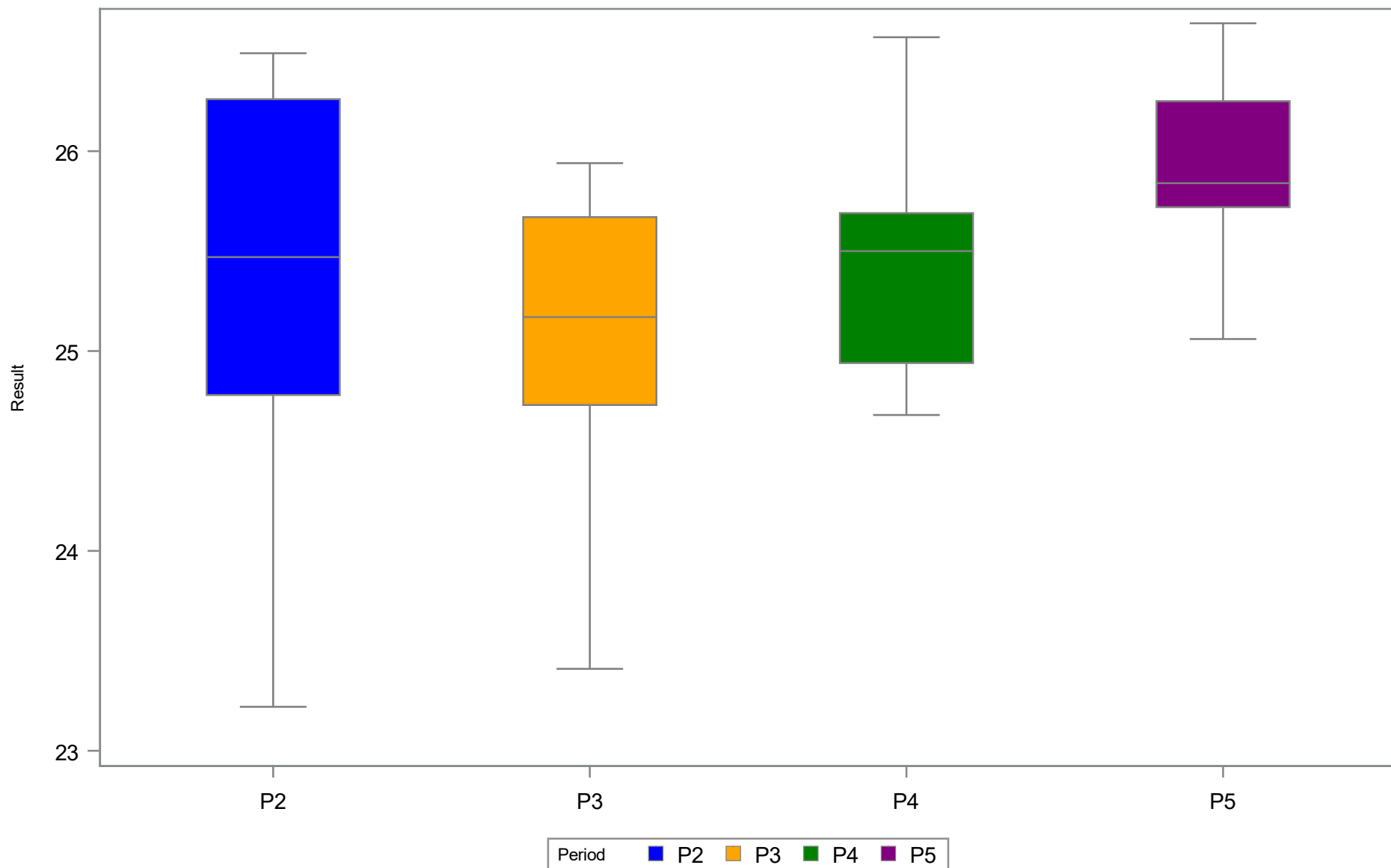
Distributional Statistics by Period for Sulphur Springs Run Midwater Water Temperature (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	11	23.22	24.78	25.31	25.47	26.26	26.49
P3	25	23.41	24.73	25.08	25.17	25.67	25.94
P4	19	24.68	24.94	25.41	25.50	25.69	26.57
P5	13	25.06	25.72	25.93	25.84	26.25	26.64

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

DRAFT

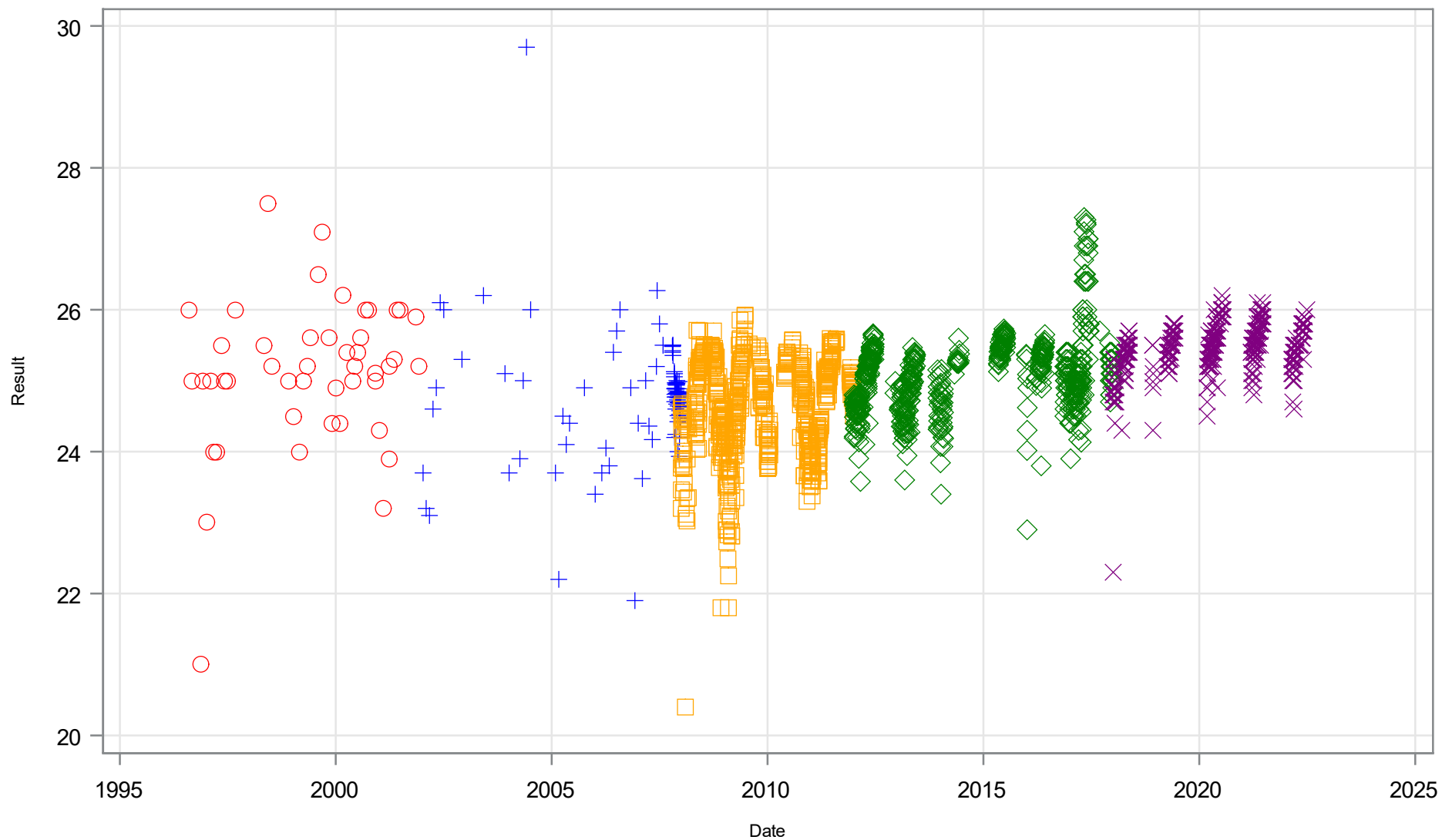
Boxplot by MFL Period for Sulphur Springs Run Midwater Water Temperature (c)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Water Temperature (c)



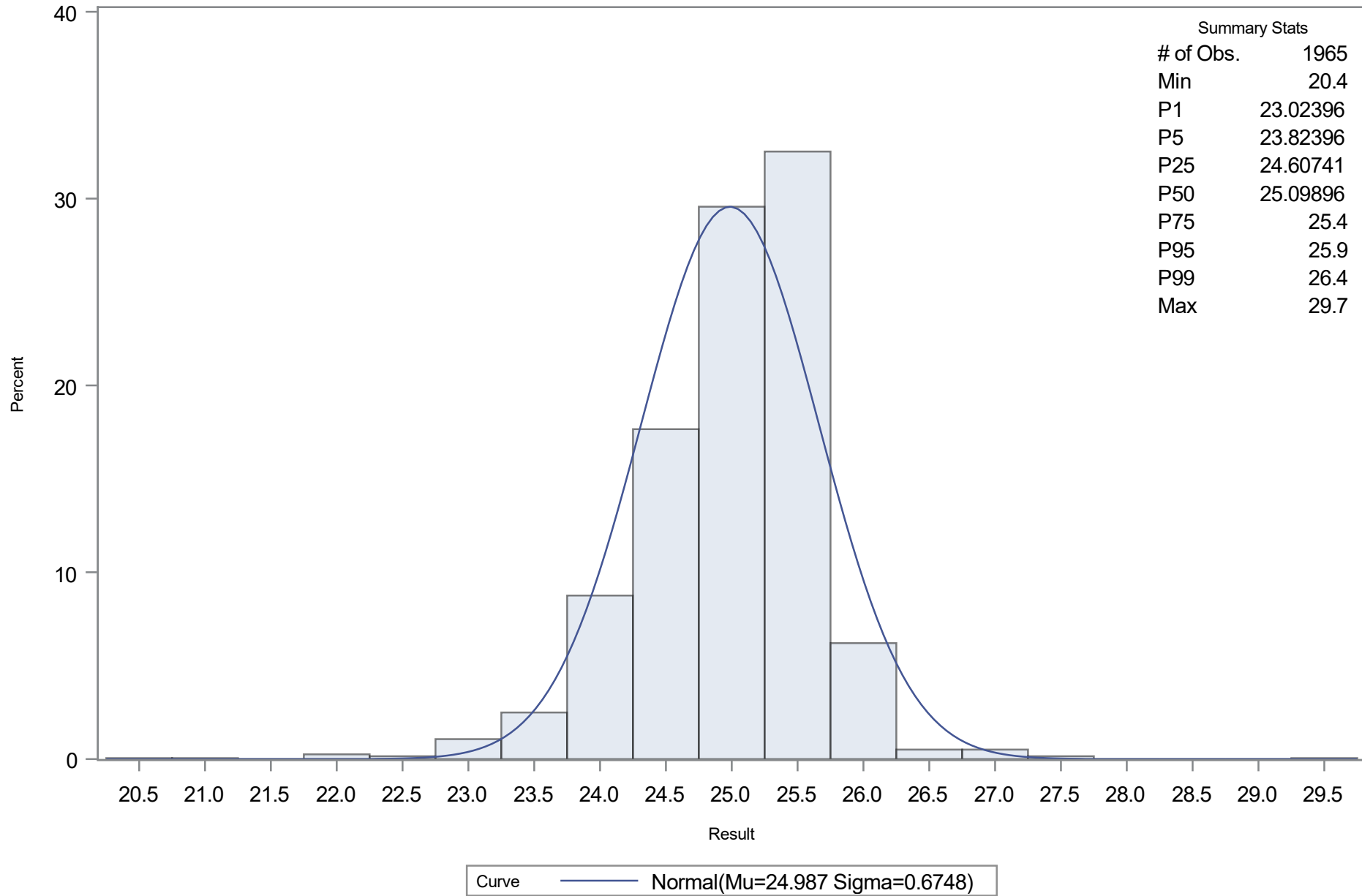
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Surface Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	24.98676
Std Dev	Sigma	0.67476

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0716941	Pr > D	<0.010
Cramer-von Mises	W-Sq	3.6376967	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	21.5597277	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	23.0240	23.4170
5.0	23.8240	23.8769
10.0	24.1427	24.1220
25.0	24.6074	24.5316
50.0	25.0990	24.9868
75.0	25.4000	25.4419
90.0	25.7000	25.8515
95.0	25.9000	26.0966
99.0	26.4000	26.5565

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

DRAFT

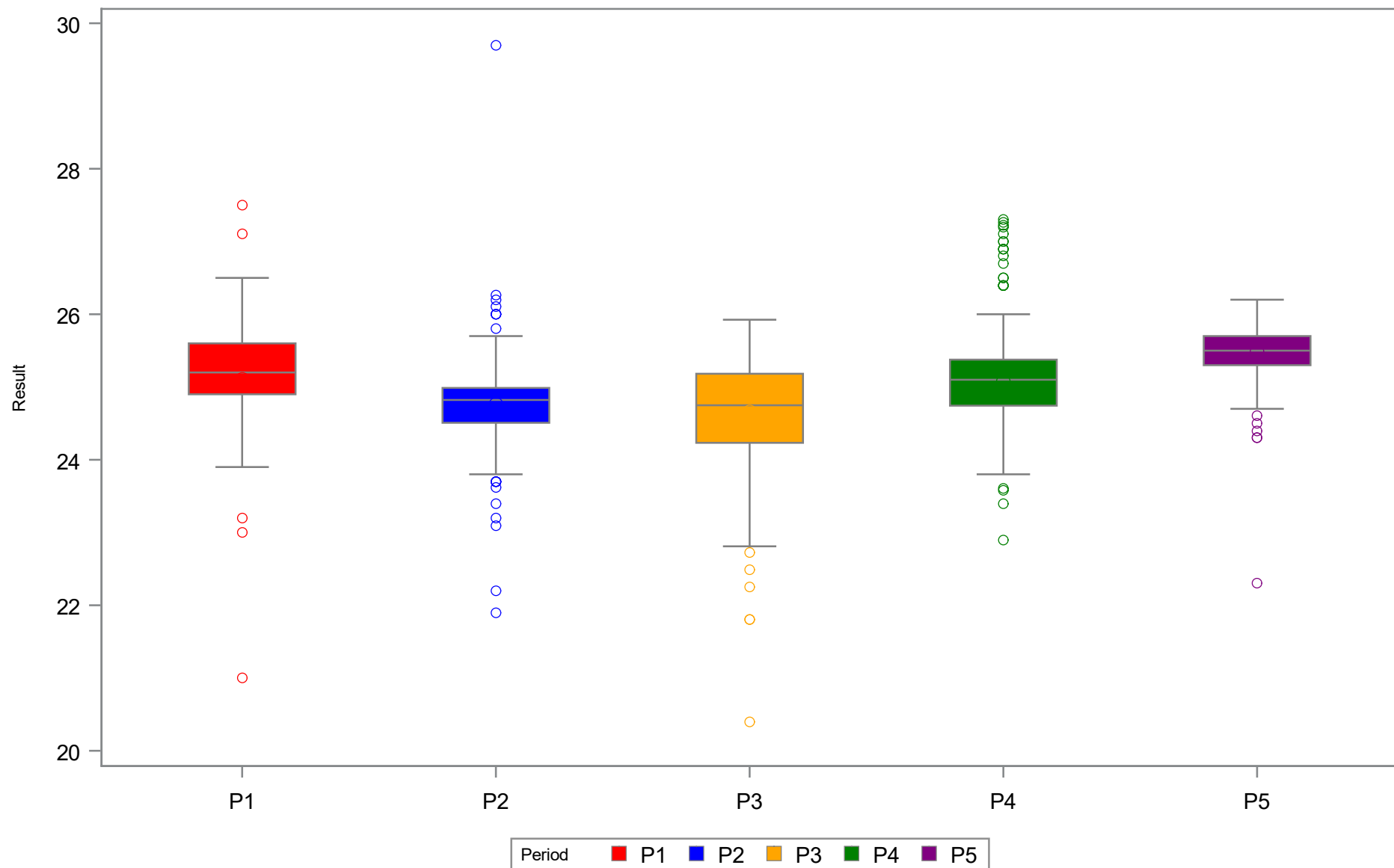
Distributional Statistics by Period for Sulphur Springs Run Surface Water Temperature (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	21.00	24.90	25.10	25.20	25.60	27.50
P2	105	21.90	24.51	24.77	24.82	24.99	29.70
P3	764	20.40	24.23	24.65	24.75	25.18	25.93
P4	607	22.90	24.74	25.07	25.10	25.38	27.30
P5	443	22.30	25.30	25.48	25.50	25.70	26.20

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Surface Water Temperature (c)

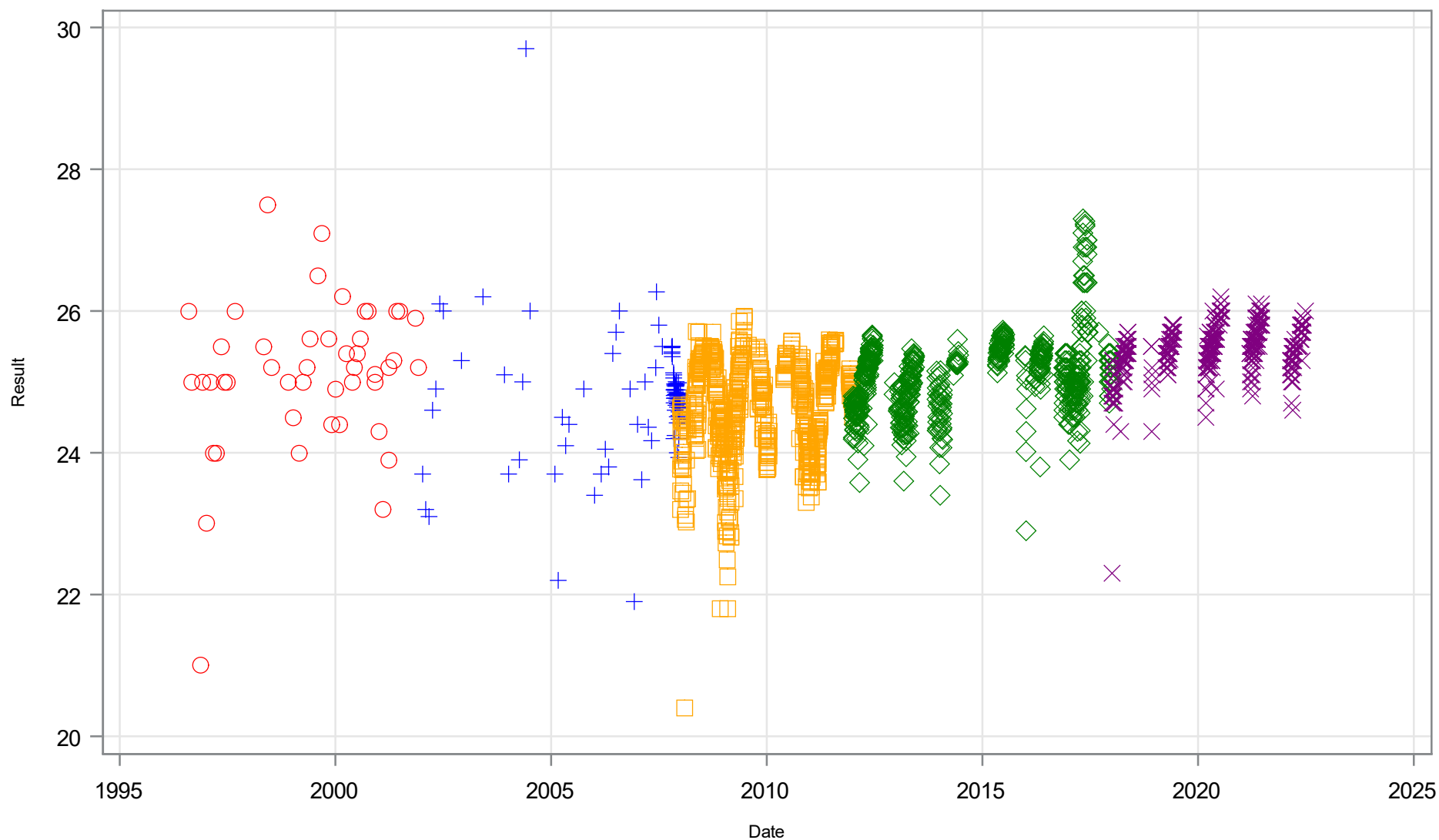


Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

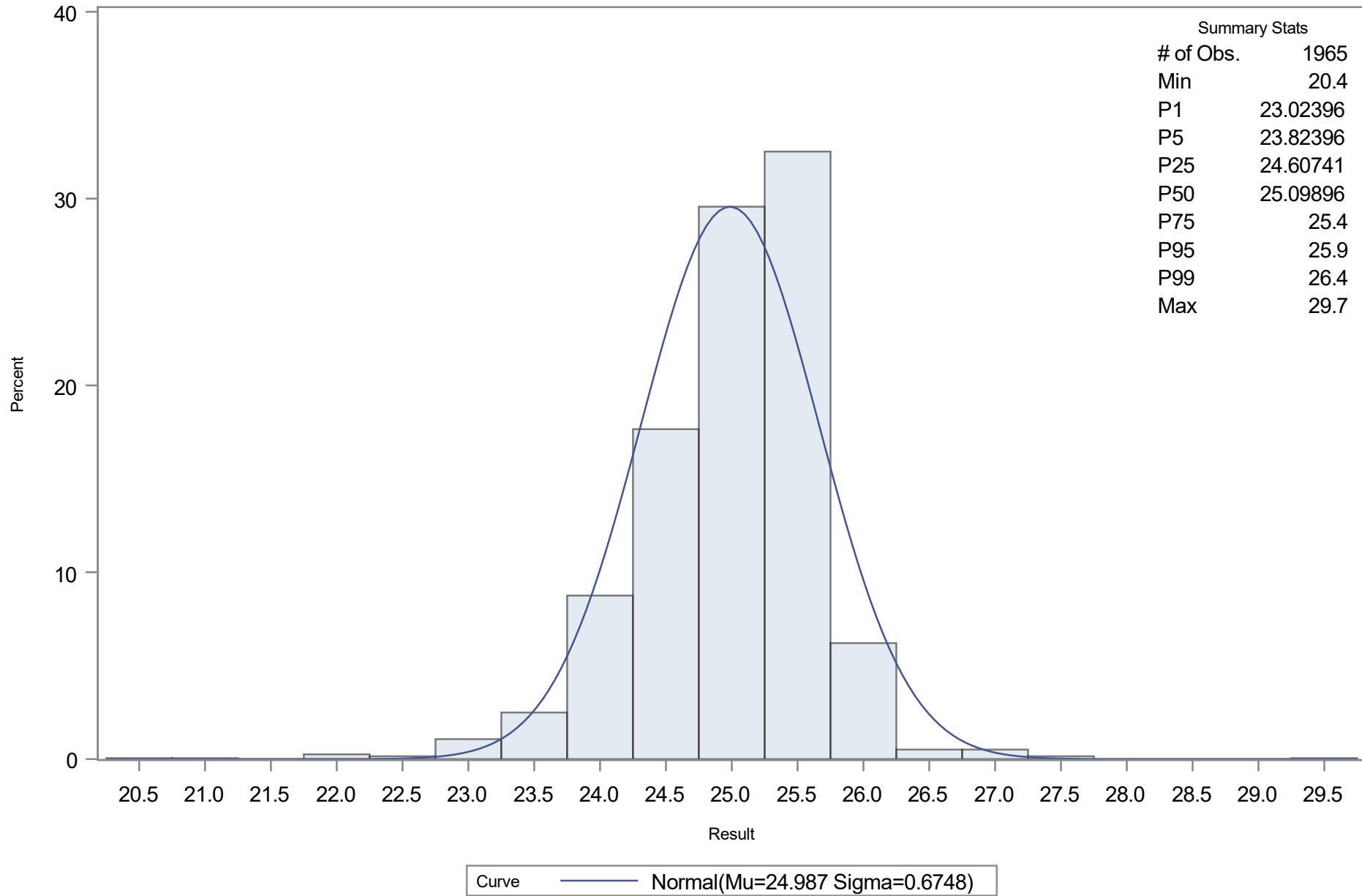
Timeseries of Sulphur Springs Run Surface Water Temperature Daily Avg (c)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	24.98676
Std Dev	Sigma	0.67476

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0716941	Pr > D	<0.010
Cramer-von Mises	W-Sq	3.6376967	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	21.5597277	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	23.0240	23.4170
5.0	23.8240	23.8769
10.0	24.1427	24.1220
25.0	24.6074	24.5316
50.0	25.0990	24.9868
75.0	25.4000	25.4419
90.0	25.7000	25.8515
95.0	25.9000	26.0966
99.0	26.4000	26.5565

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

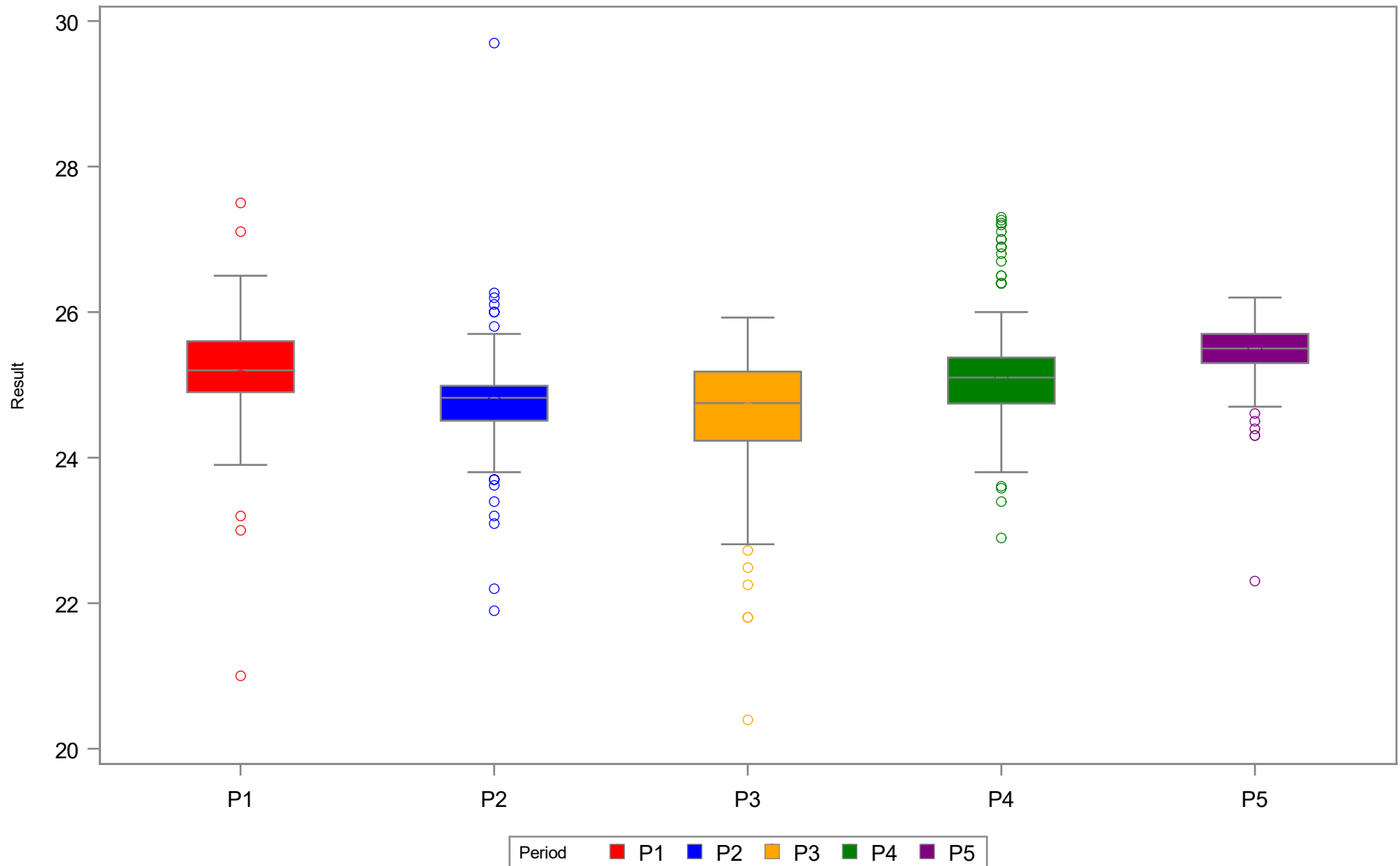
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Water Temperature Daily Avg (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	21.00	24.90	25.10	25.20	25.60	27.50
P2	105	21.90	24.51	24.77	24.82	24.99	29.70
P3	764	20.40	24.23	24.65	24.75	25.18	25.93
P4	607	22.90	24.74	25.07	25.10	25.38	27.30
P5	443	22.30	25.30	25.48	25.50	25.70	26.20

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Surface Water Temperature Daily Avg (c)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Water Temperature (c)



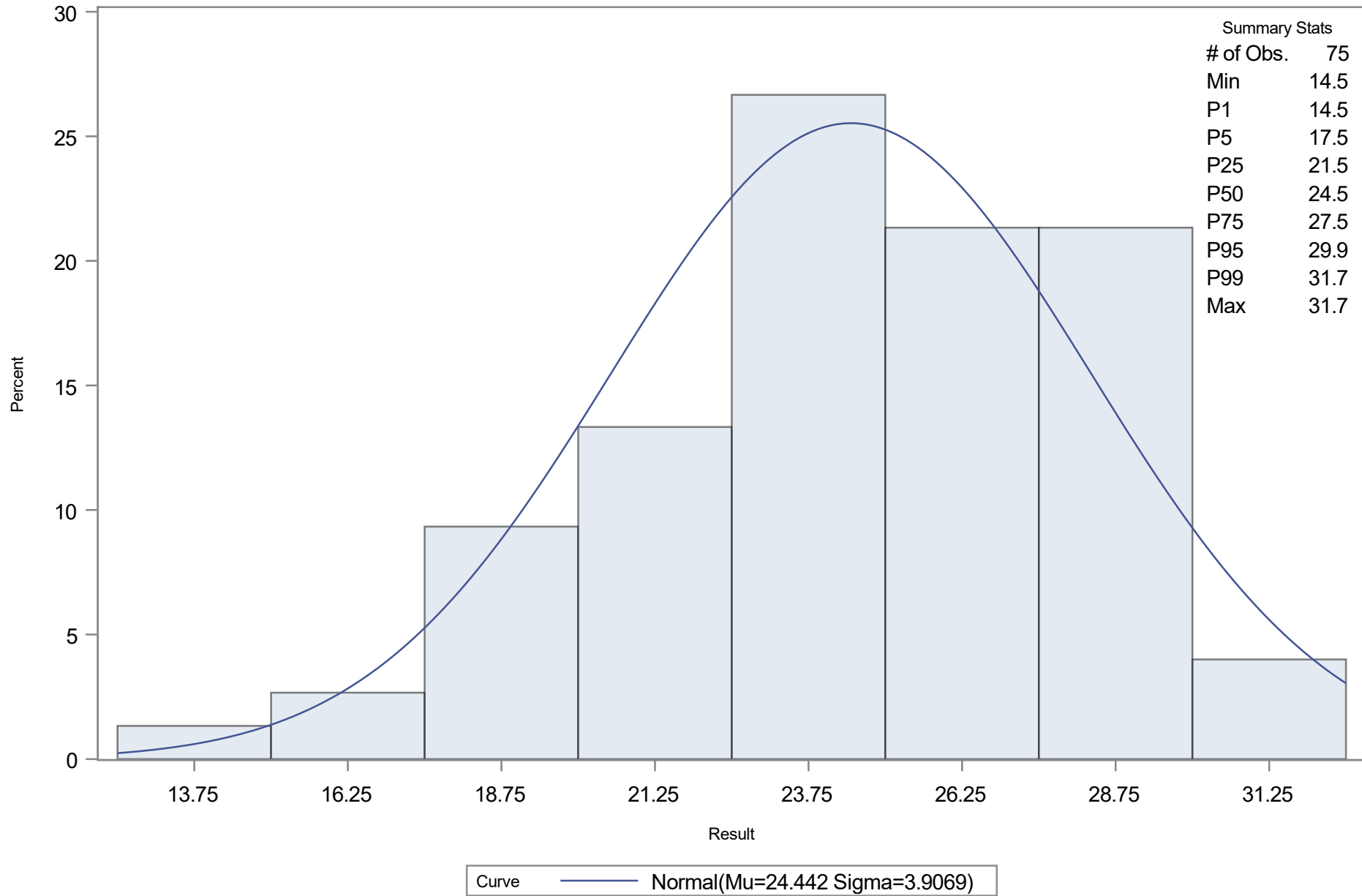
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Tampa Bypass Canal Surface Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	24.4416
Std Dev	Sigma	3.906904

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.07838605	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.06969903	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.46865234	Pr > A-Sq	0.246

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	14.5000	15.3528
5.0	17.5000	18.0153
10.0	19.6000	19.4347
25.0	21.5000	21.8064
50.0	24.5000	24.4416
75.0	27.5000	27.0768
90.0	29.3000	29.4485
95.0	29.9000	30.8679
99.0	31.7000	33.5304

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

DRAFT

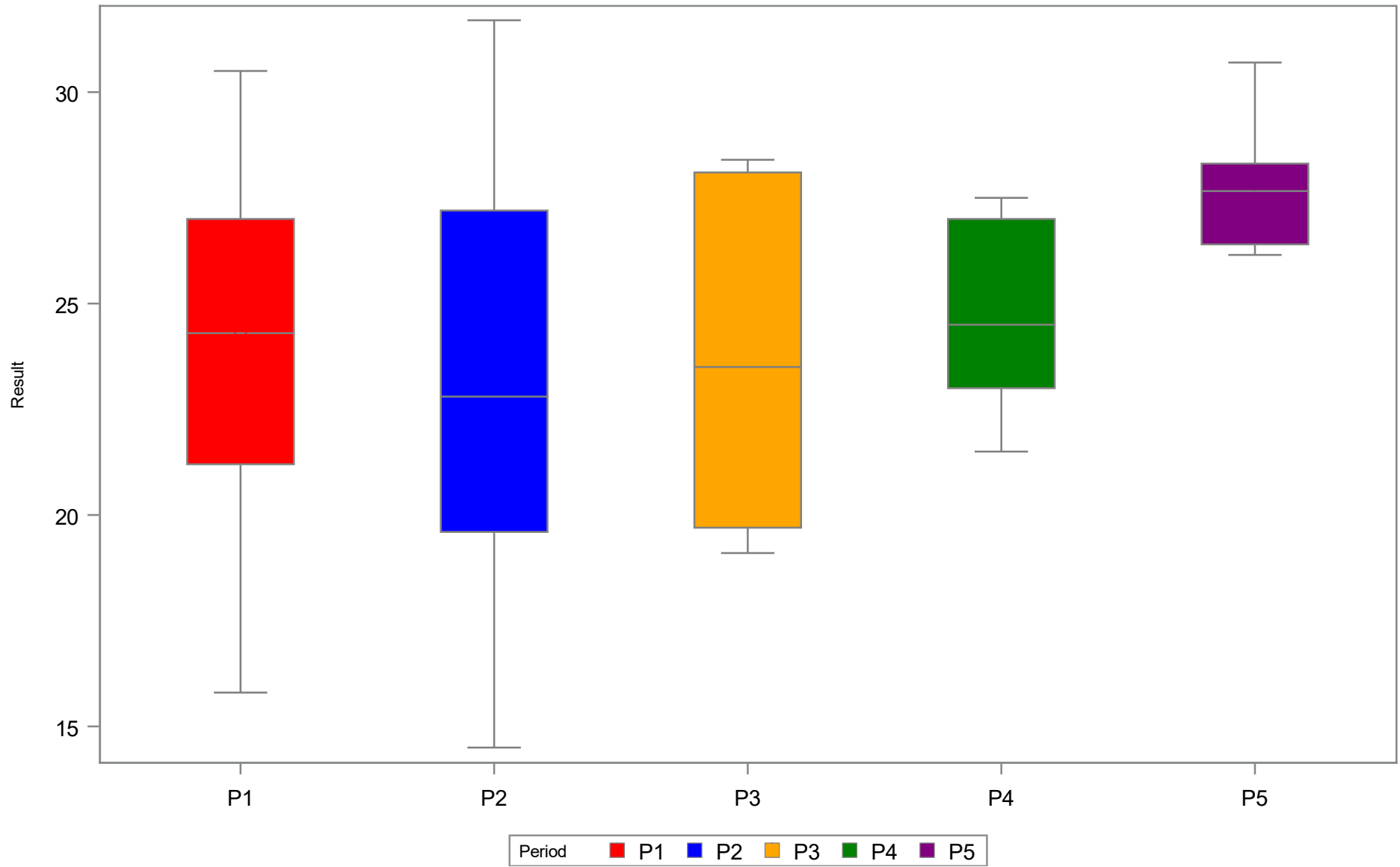
Distributional Statistics by Period for Tampa Bypass Canal Surface Water Temperature (c)

	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	5	26.15	26.40	27.84	27.66	28.31	30.70

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

DRAFT

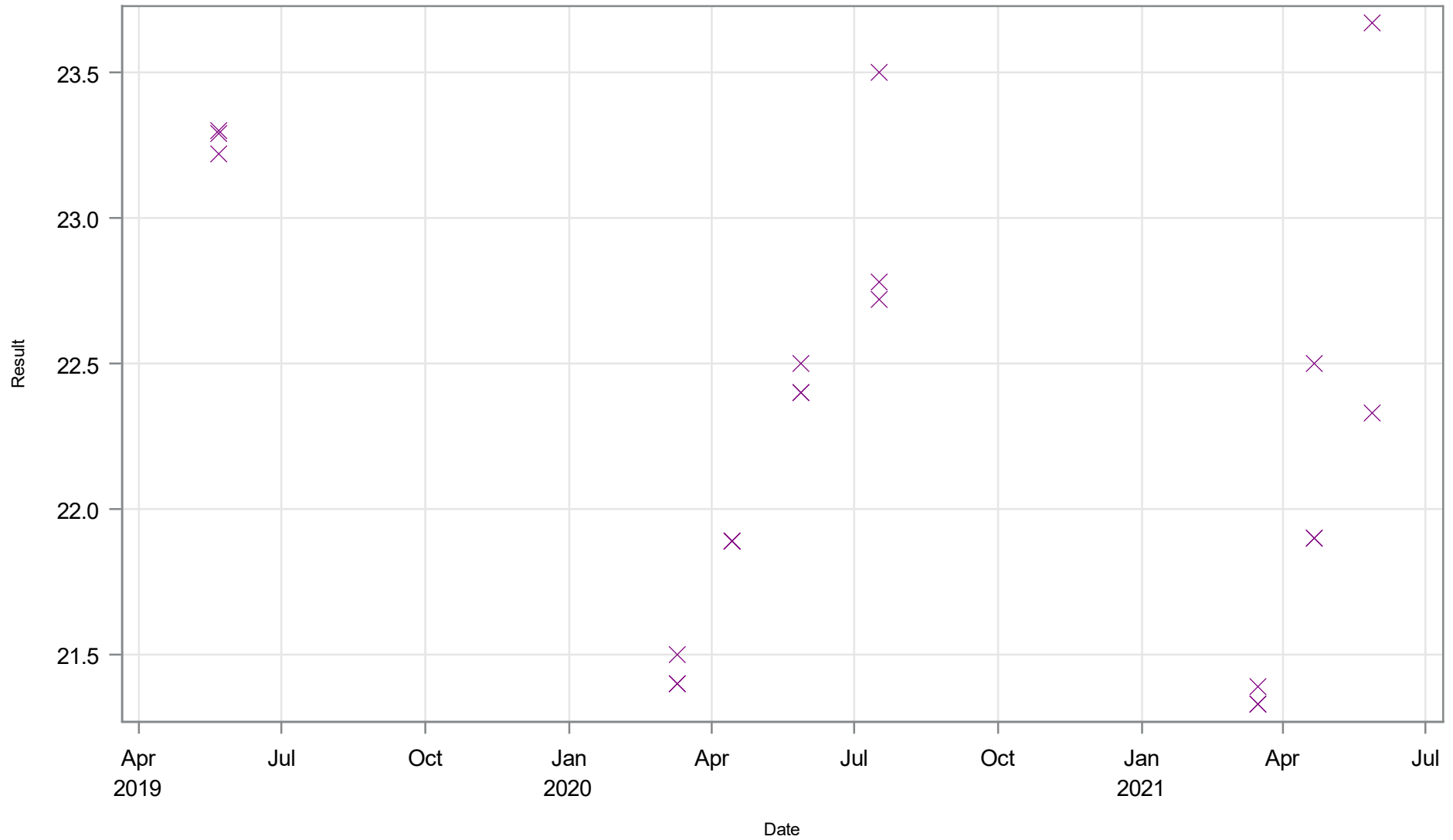
Boxplot by MFL Period for Tampa Bypass Canal Surface Water Temperature (c)



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

DRAFT

Timeseries of Moris Bridge Sink Bottom Water Temperature (c)



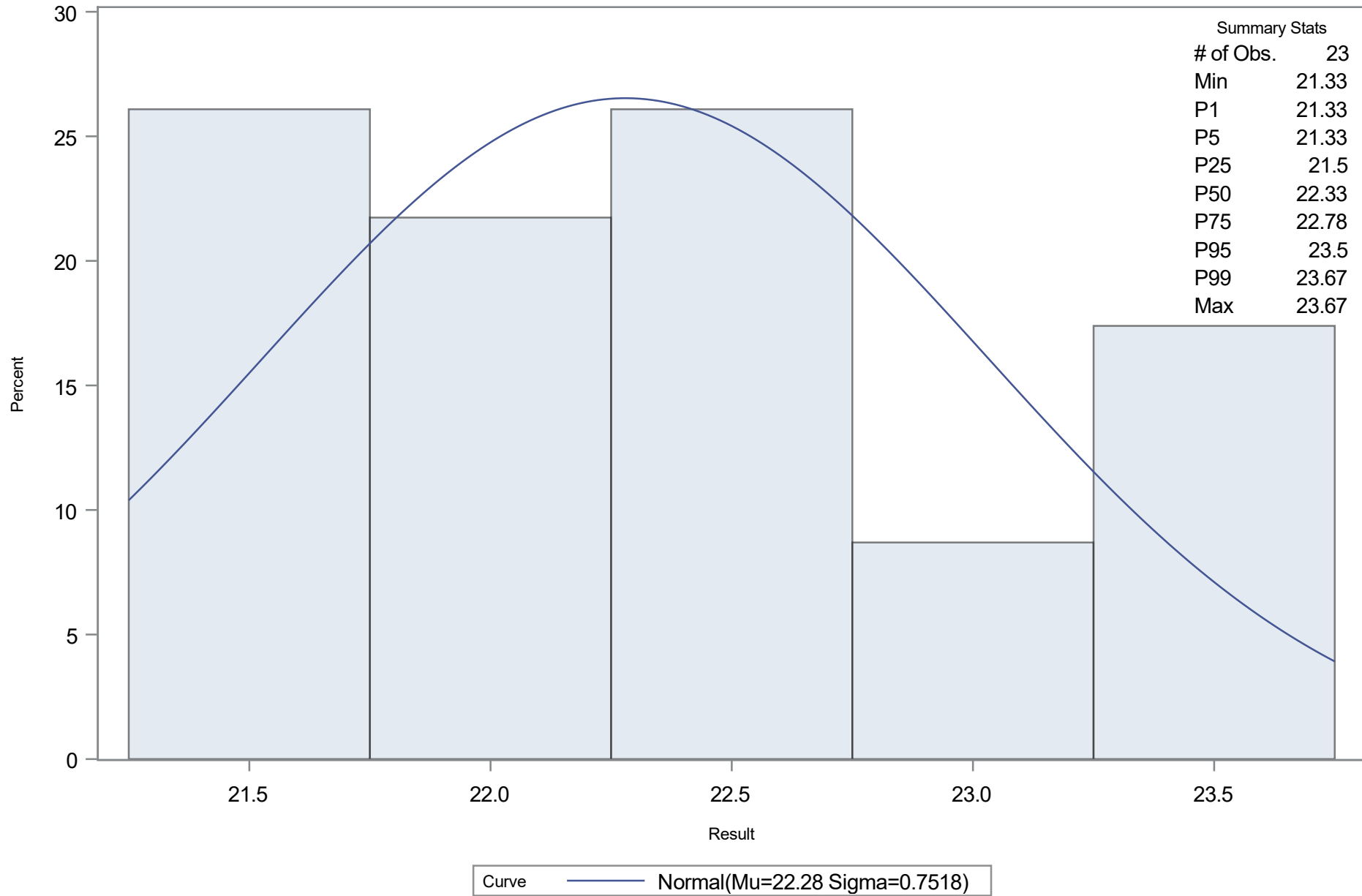
Period x P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Bottom Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Bottom Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	22.27957
Std Dev	Sigma	0.751837

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.17142891	Pr > D	0.079
Cramer-von Mises	W-Sq	0.08382475	Pr > W-Sq	0.181
Anderson-Darling	A-Sq	0.59035229	Pr > A-Sq	0.113

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	21.3300	20.5305
5.0	21.3300	21.0429
10.0	21.3900	21.3160
25.0	21.5000	21.7725
50.0	22.3300	22.2796
75.0	22.7800	22.7867
90.0	23.3000	23.2431
95.0	23.5000	23.5162
99.0	23.6700	24.0286

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

DRAFT

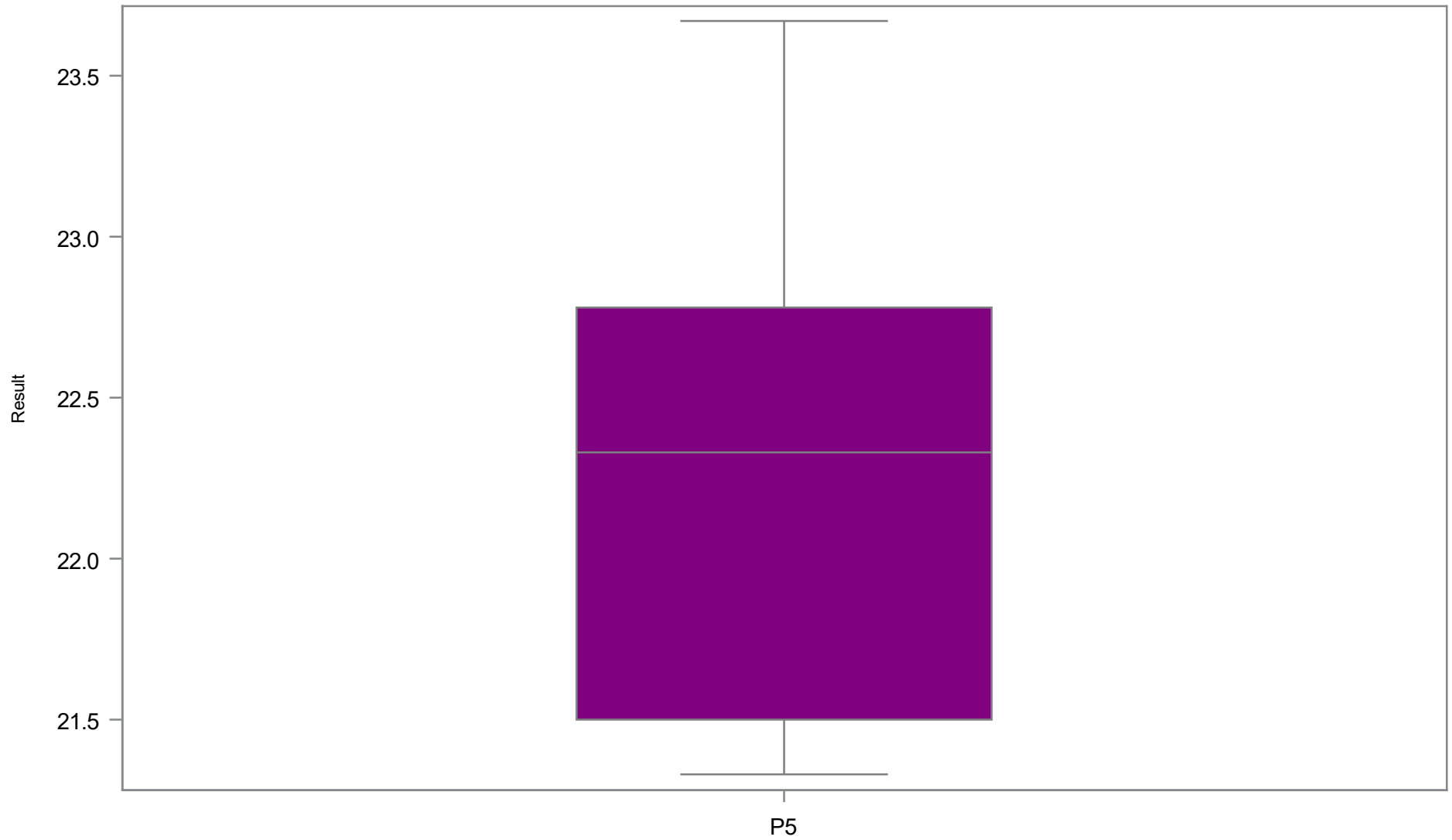
Distributional Statistics by Period for Moris Bridge Sink Bottom Water Temperature (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	23	21.33	21.50	22.28	22.33	22.78	23.67

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Bottom Water Temperature (c)

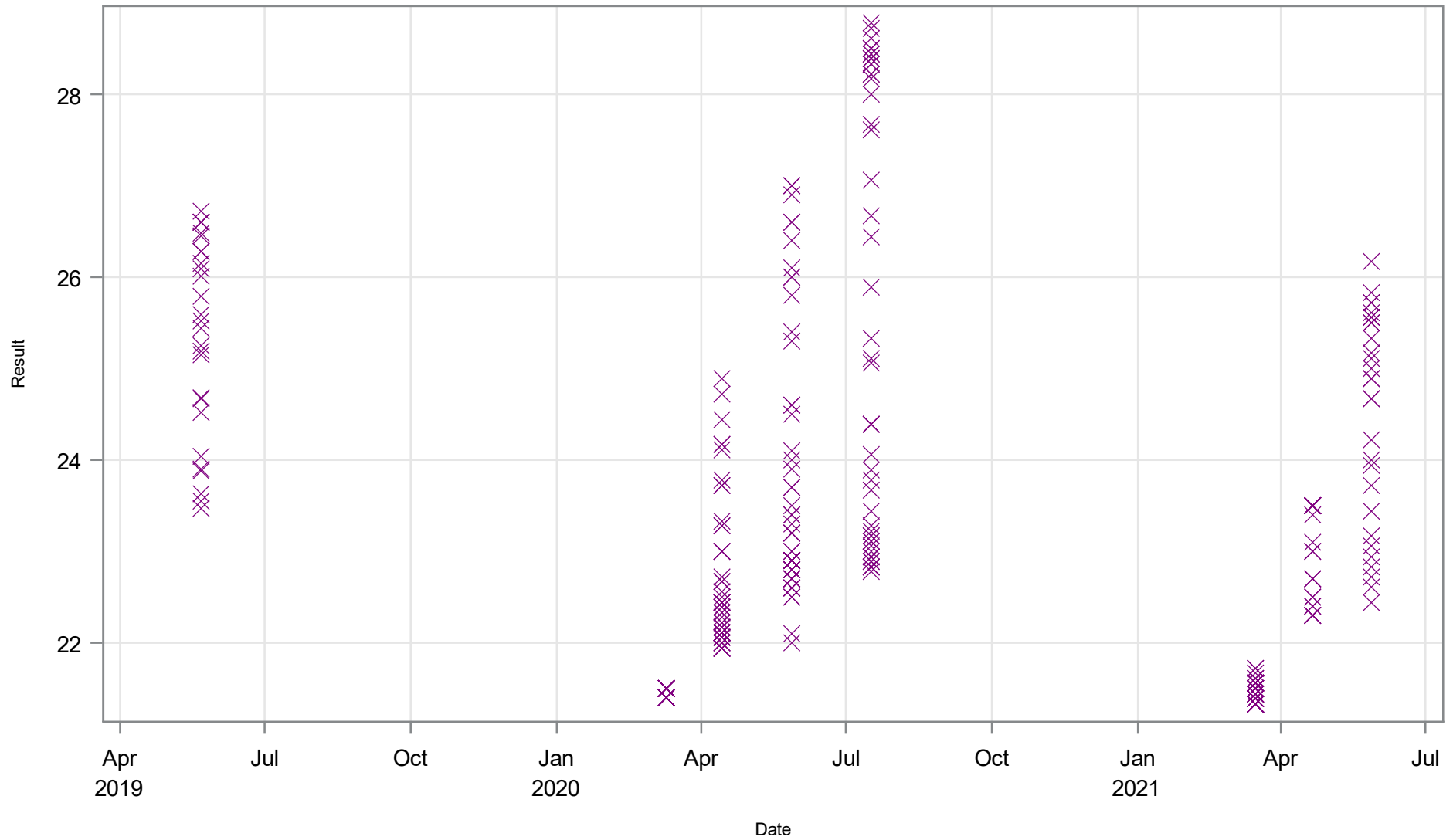


Period ■ P5

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

DRAFT

Timeseries of Moris Bridge Sink Midwater Water Temperature (c)



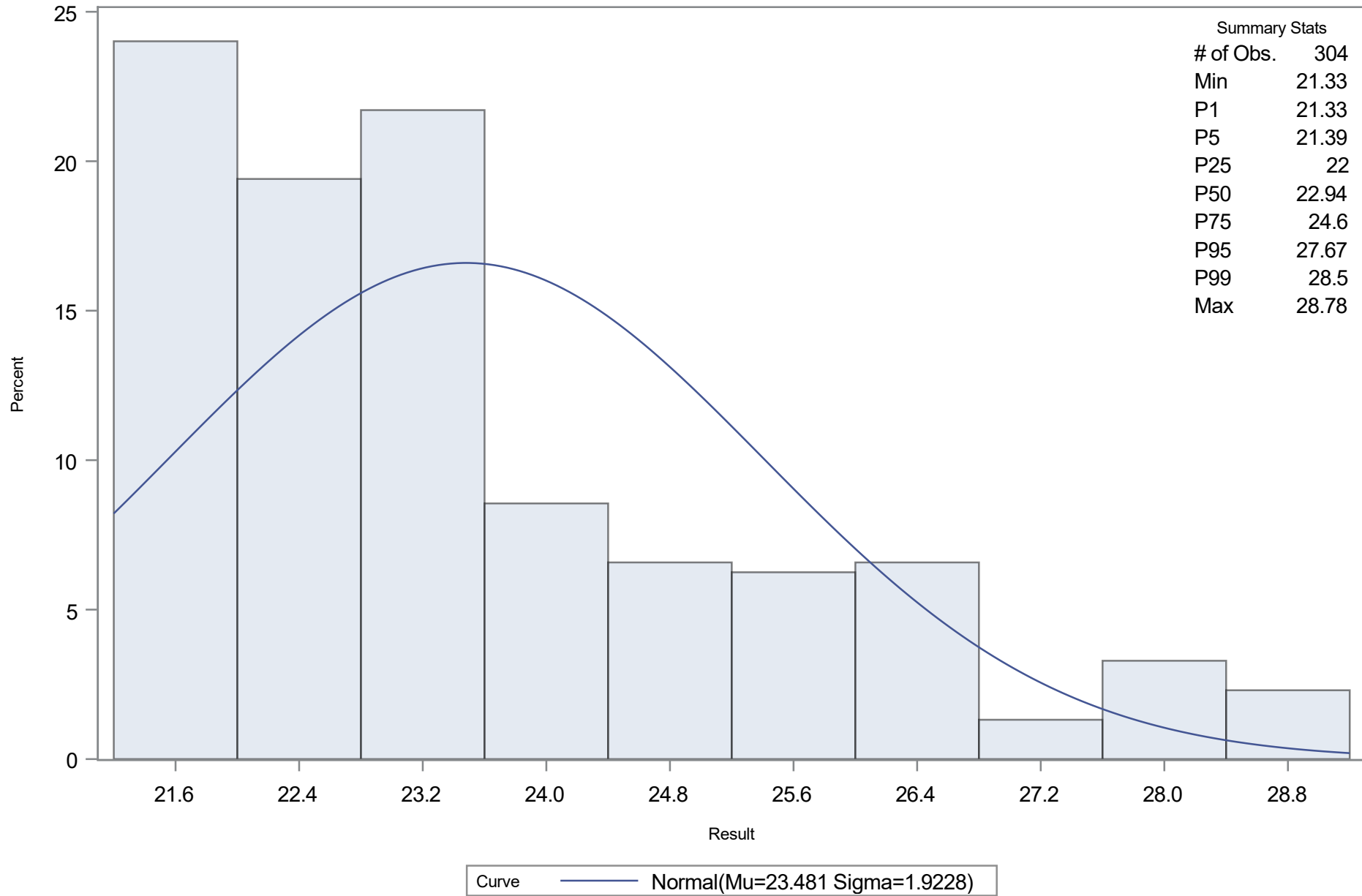
Period  P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Midwater Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Midwater Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	23.48063
Std Dev	Sigma	1.92284

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.14400654	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.62164749	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	9.92426160	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	21.3300	19.0074
5.0	21.3900	20.3178
10.0	21.4400	21.0164
25.0	22.0000	22.1837
50.0	22.9400	23.4806
75.0	24.6000	24.7776
90.0	26.4400	25.9448
95.0	27.6700	26.6434
99.0	28.5000	27.9538

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

DRAFT

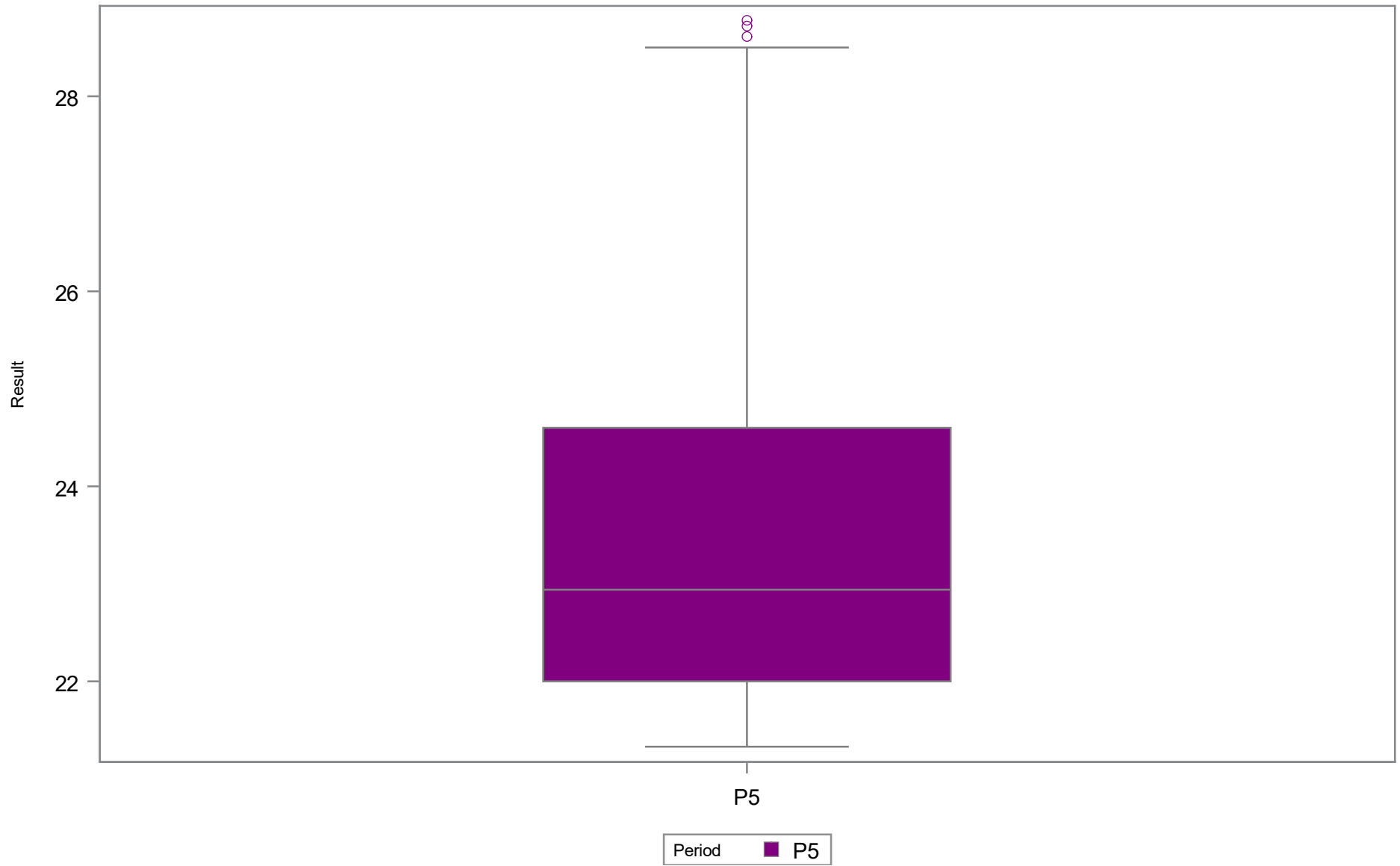
Distributional Statistics by Period for Moris Bridge Sink Midwater Water Temperature (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	304	21.33	22.00	23.48	22.94	24.60	28.78

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

DRAFT

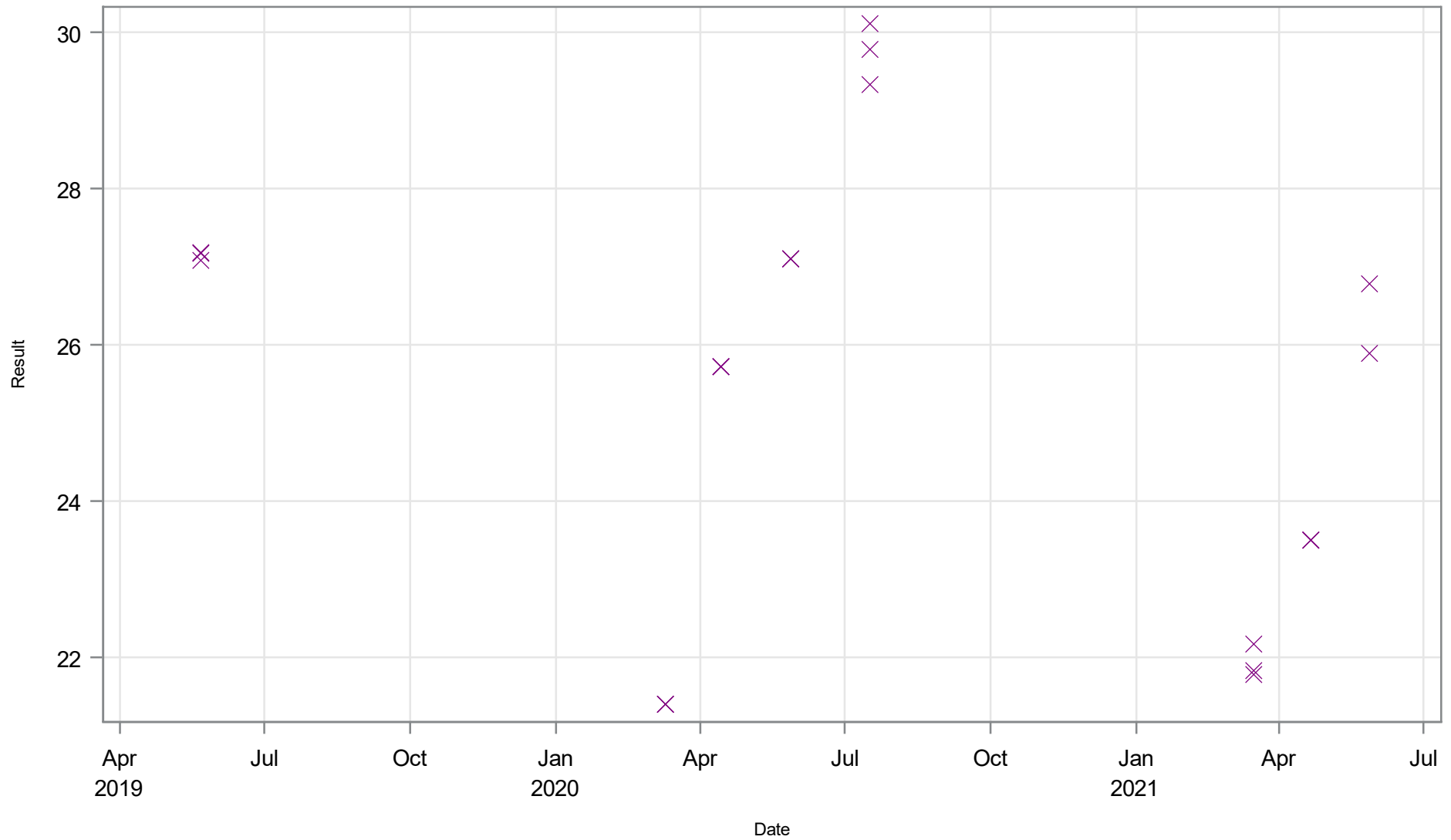
Boxplot by MFL Period for Moris Bridge Sink Midwater Water Temperature (c)



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

DRAFT

Timeseries of Moris Bridge Sink Surface Water Temperature (c)



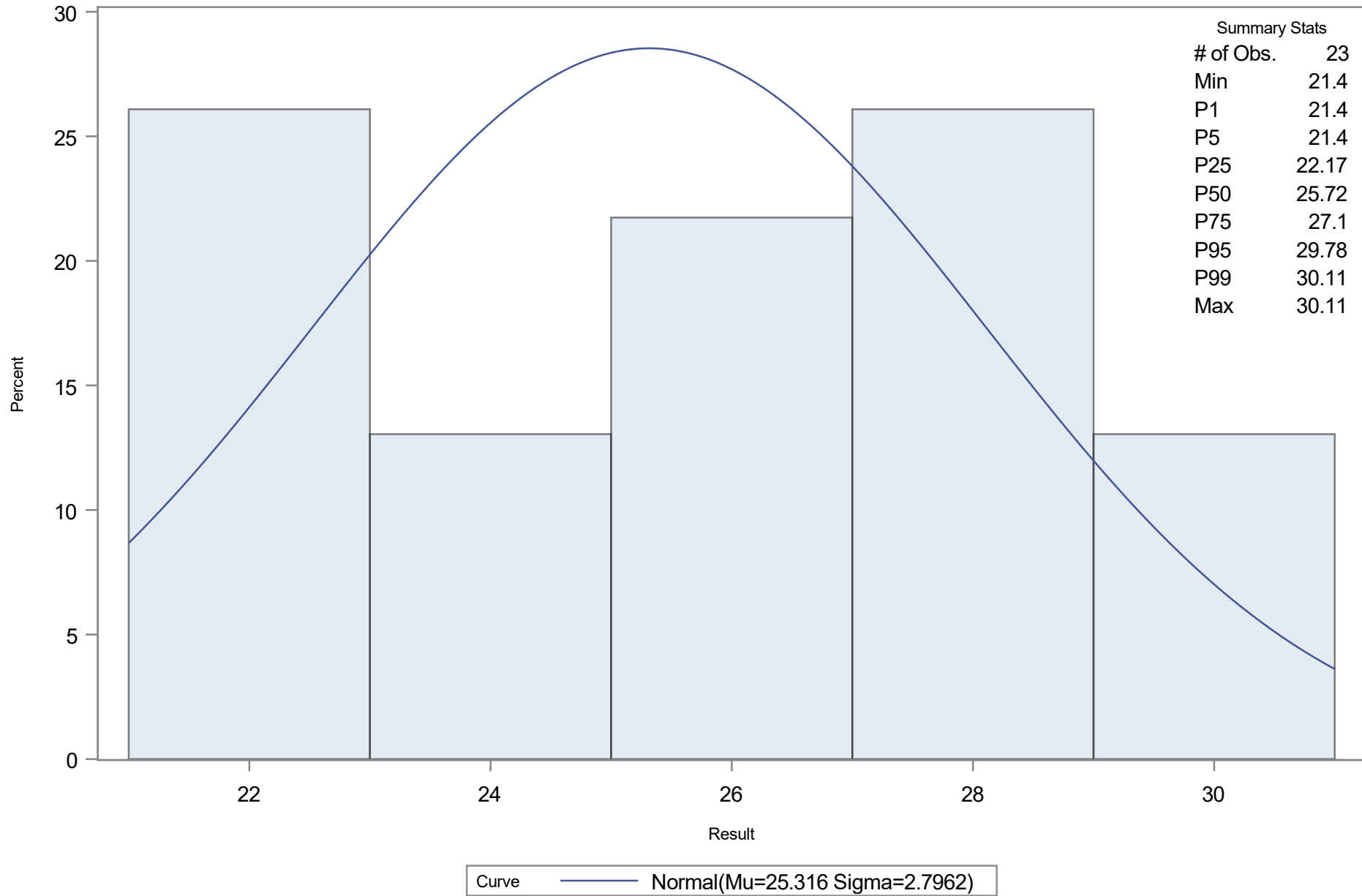
Period  P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	25.31565
Std Dev	Sigma	2.796161

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.16618554	Pr > D	0.096
Cramer-von Mises	W-Sq	0.12786920	Pr > W-Sq	0.045
Anderson-Darling	A-Sq	0.77003607	Pr > A-Sq	0.040

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	21.4000	18.8108
5.0	21.4000	20.7164
10.0	21.4000	21.7322
25.0	22.1700	23.4297
50.0	25.7200	25.3157
75.0	27.1000	27.2016
90.0	29.3300	28.8991
95.0	29.7800	29.9149
99.0	30.1100	31.8205

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

DRAFT

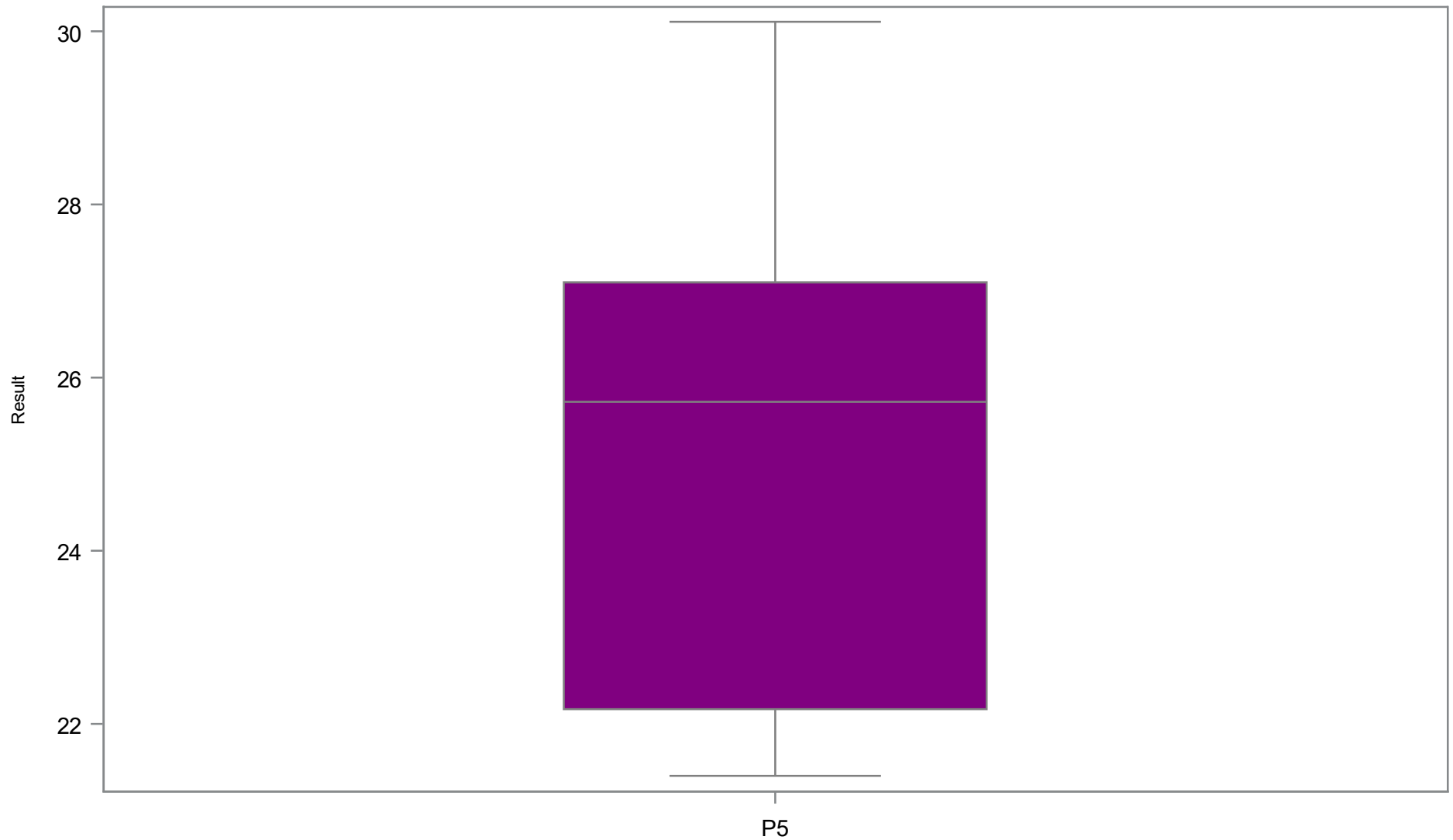
Distributional Statistics by Period for Moris Bridge Sink Surface Water Temperature (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P5	23	21.40	22.17	25.32	25.72	27.10	30.11

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Water Temperature (c)

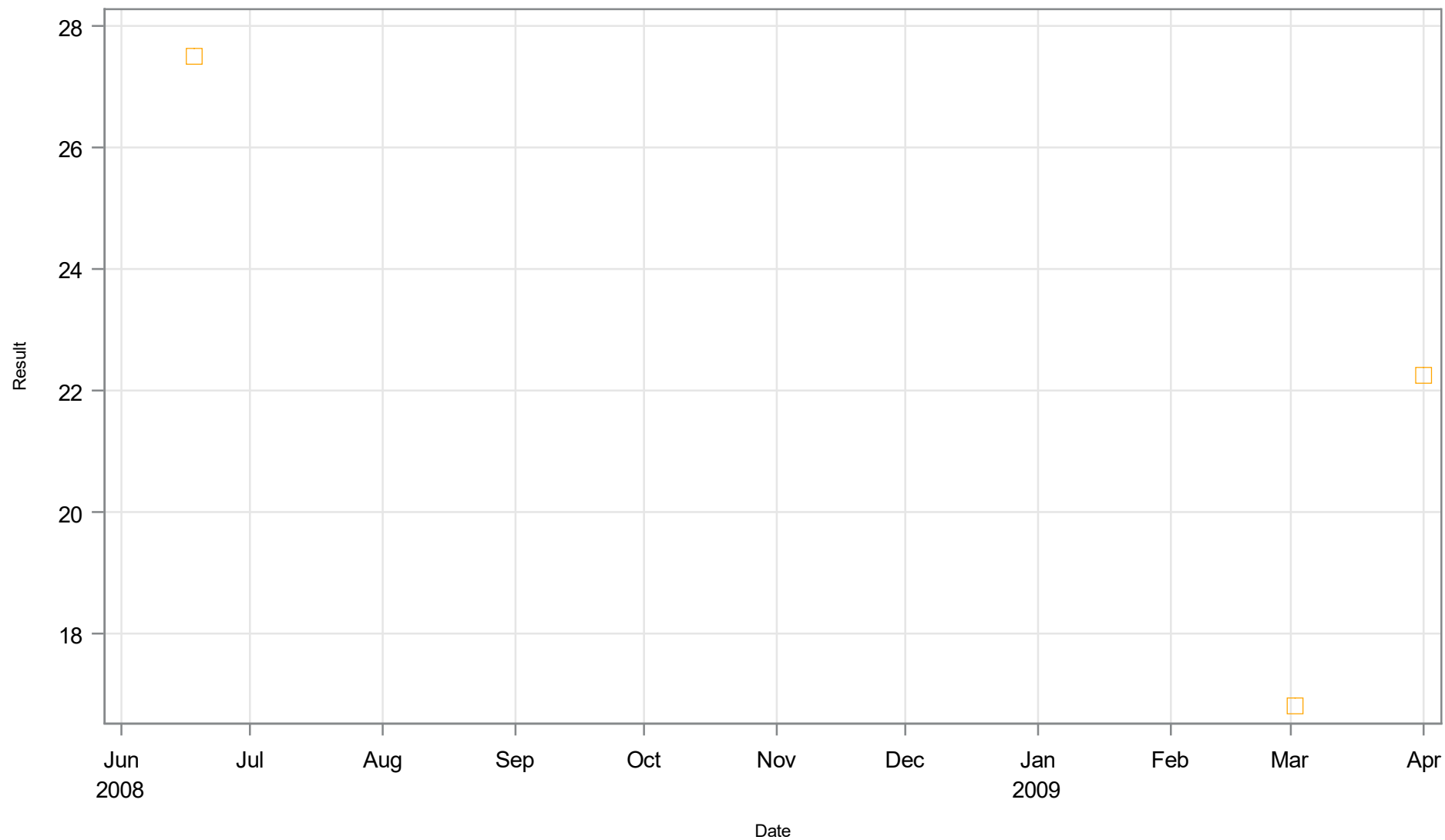


Period ■ P5

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

DRAFT

Timeseries of Surface Water Temperature (c)



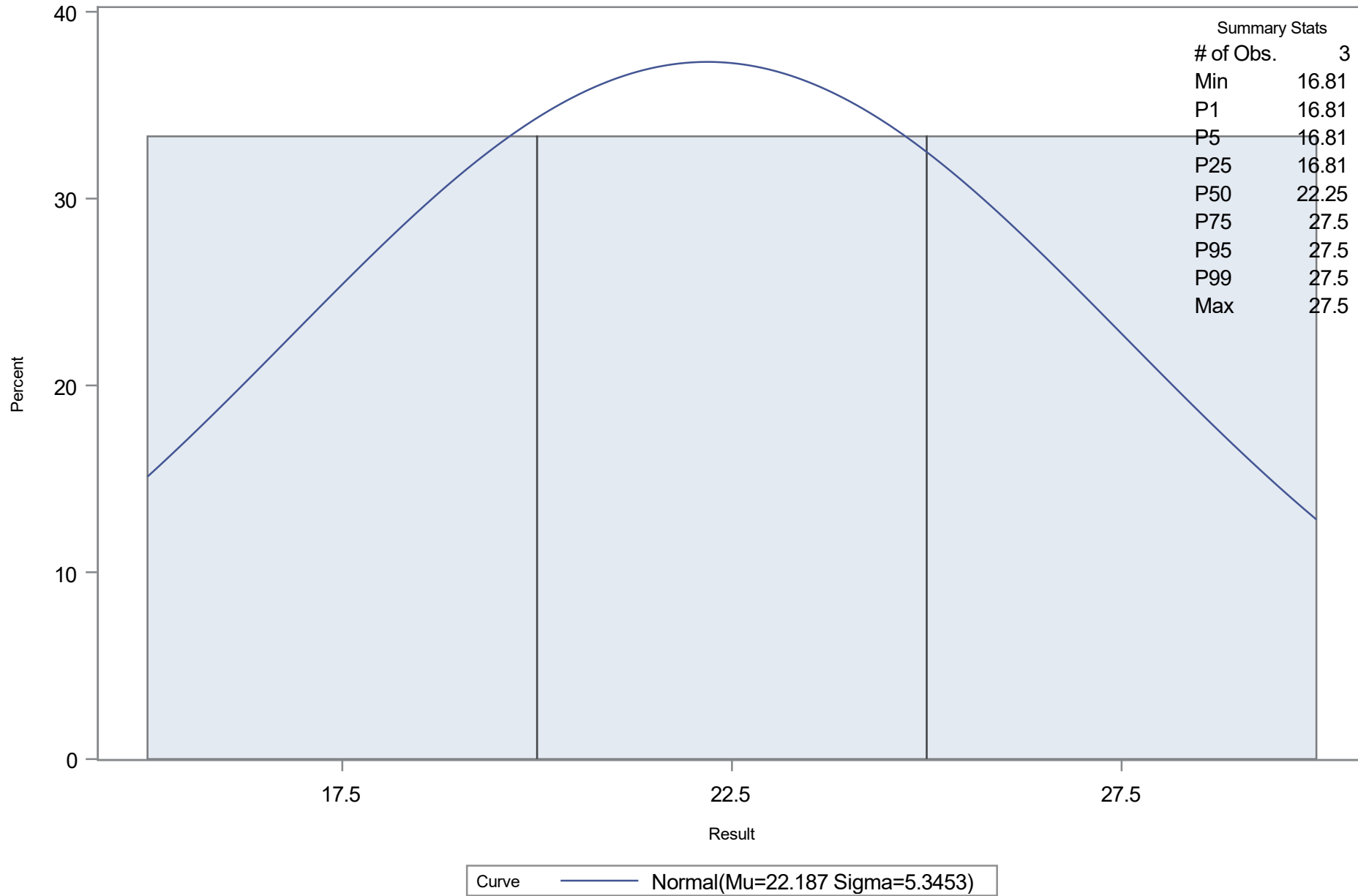
Period P3

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

DRAFT

Univariate Histogram of Surface Water Temperature (c)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Water Temperature (c)

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		
Percent	Quantile	
	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

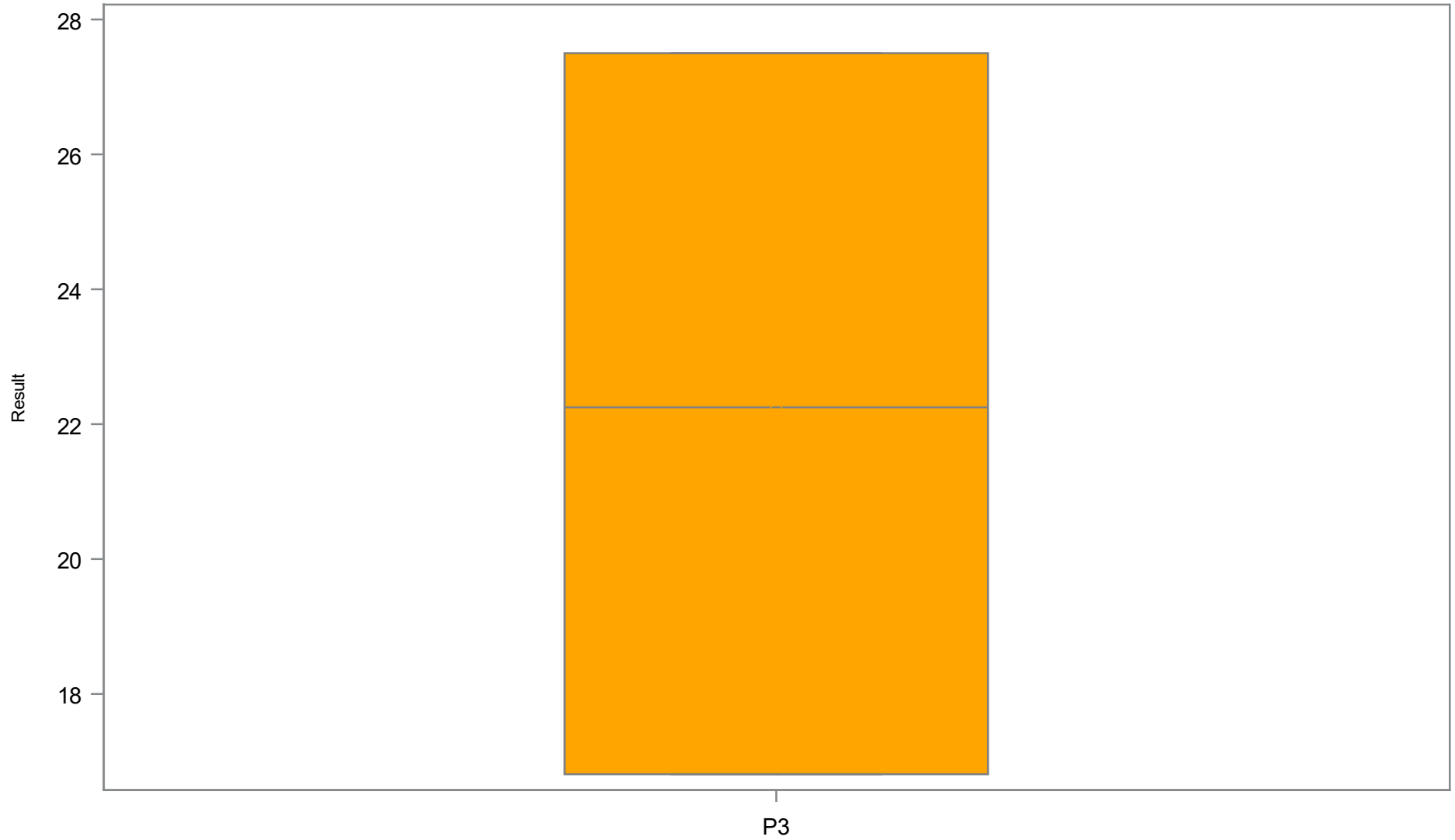
Distributional Statistics by Period for Surface Water Temperature (c)

	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)

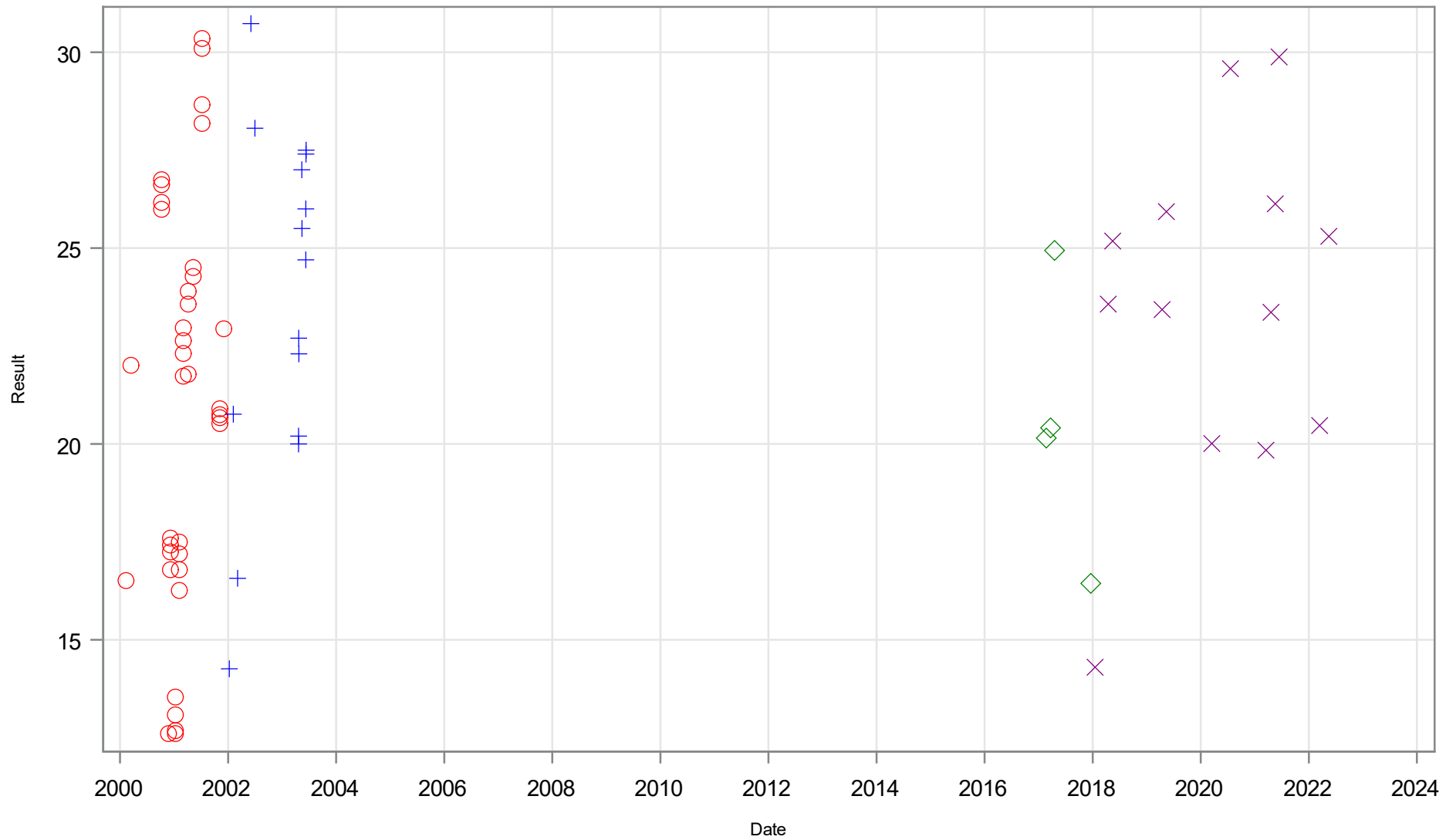


Period ■ P3

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

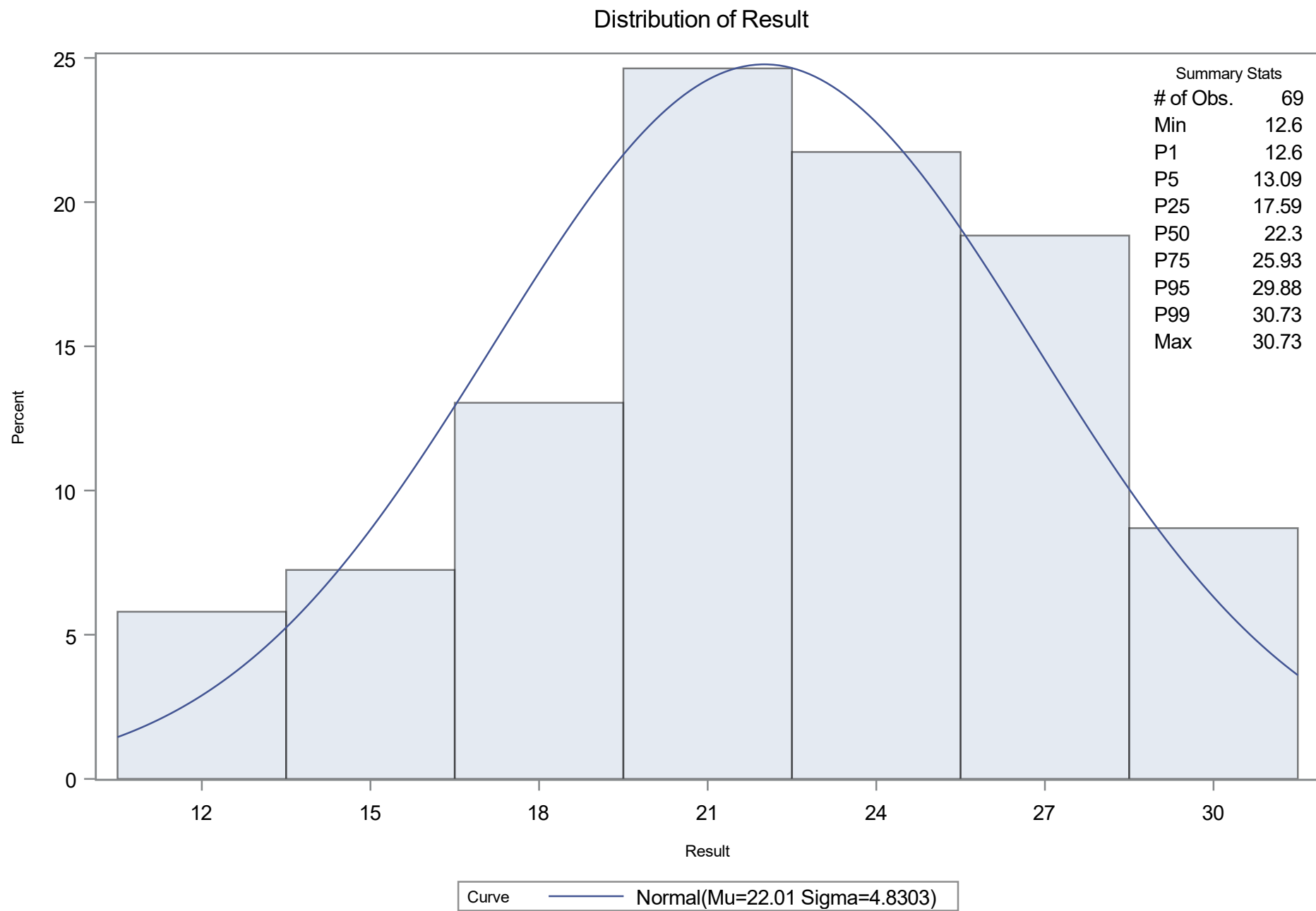
DRAFT

Timeseries of Hillsborough River Reservoir Bottom Water Temperature (c)



Period ○ P1 + P2 ◇ P4 × P5

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



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	22.00986
Std Dev	Sigma	4.830313

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08078019	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.06331176	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.45282527	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	12.6000	10.7729
5.0	13.0900	14.0647
10.0	14.3000	15.8196
25.0	17.5900	18.7519
50.0	22.3000	22.0099
75.0	25.9300	25.2679
90.0	28.1800	28.2002
95.0	29.8800	29.9550
99.0	30.7300	33.2468

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

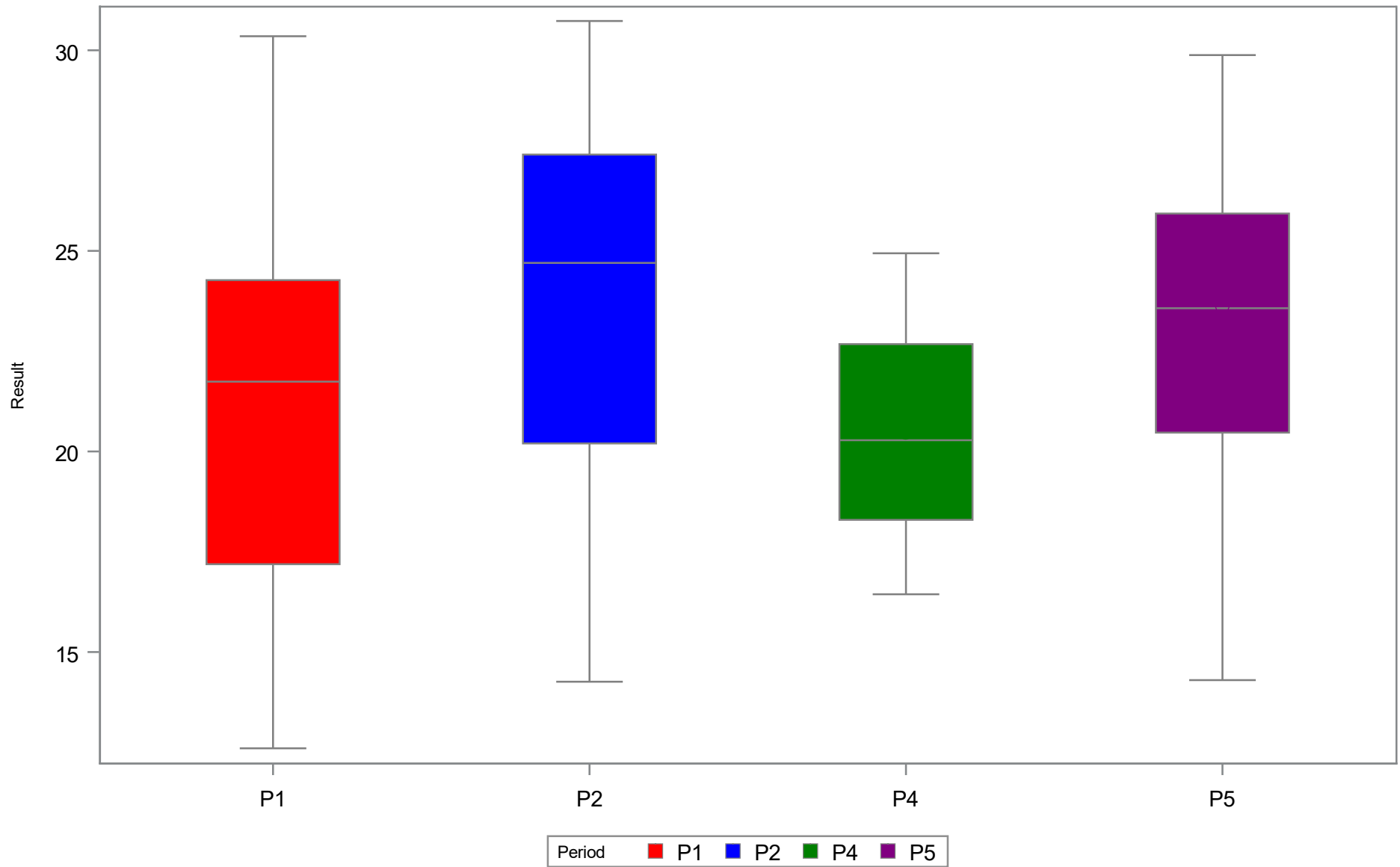
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Water Temperature (c)

	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	4	16.44	18.30	20.49	20.28	22.68	24.94
P5	13	14.30	20.47	23.61	23.57	25.93	29.88

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

DRAFT

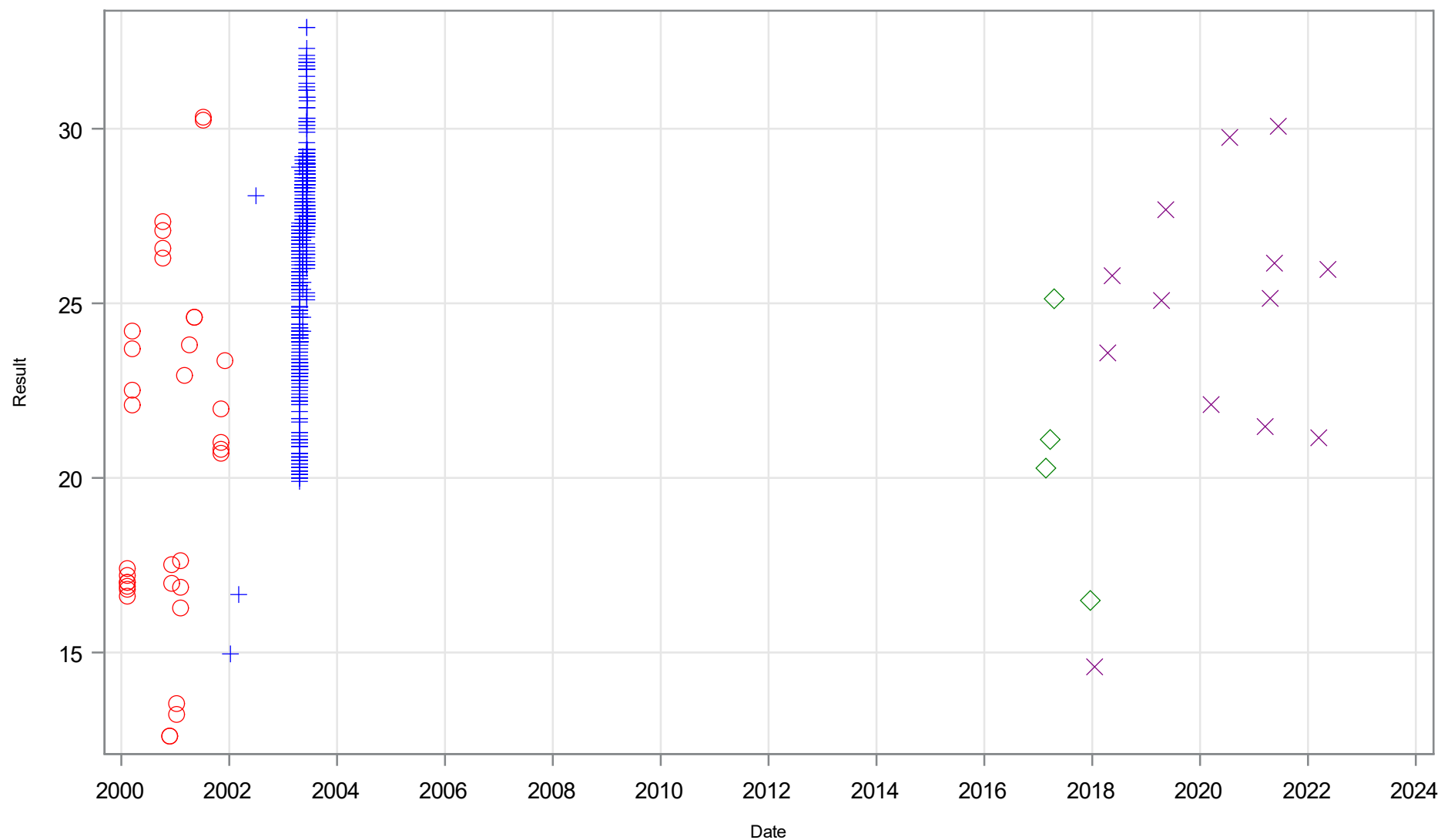
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Water Temperature (c)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater Water Temperature (c)



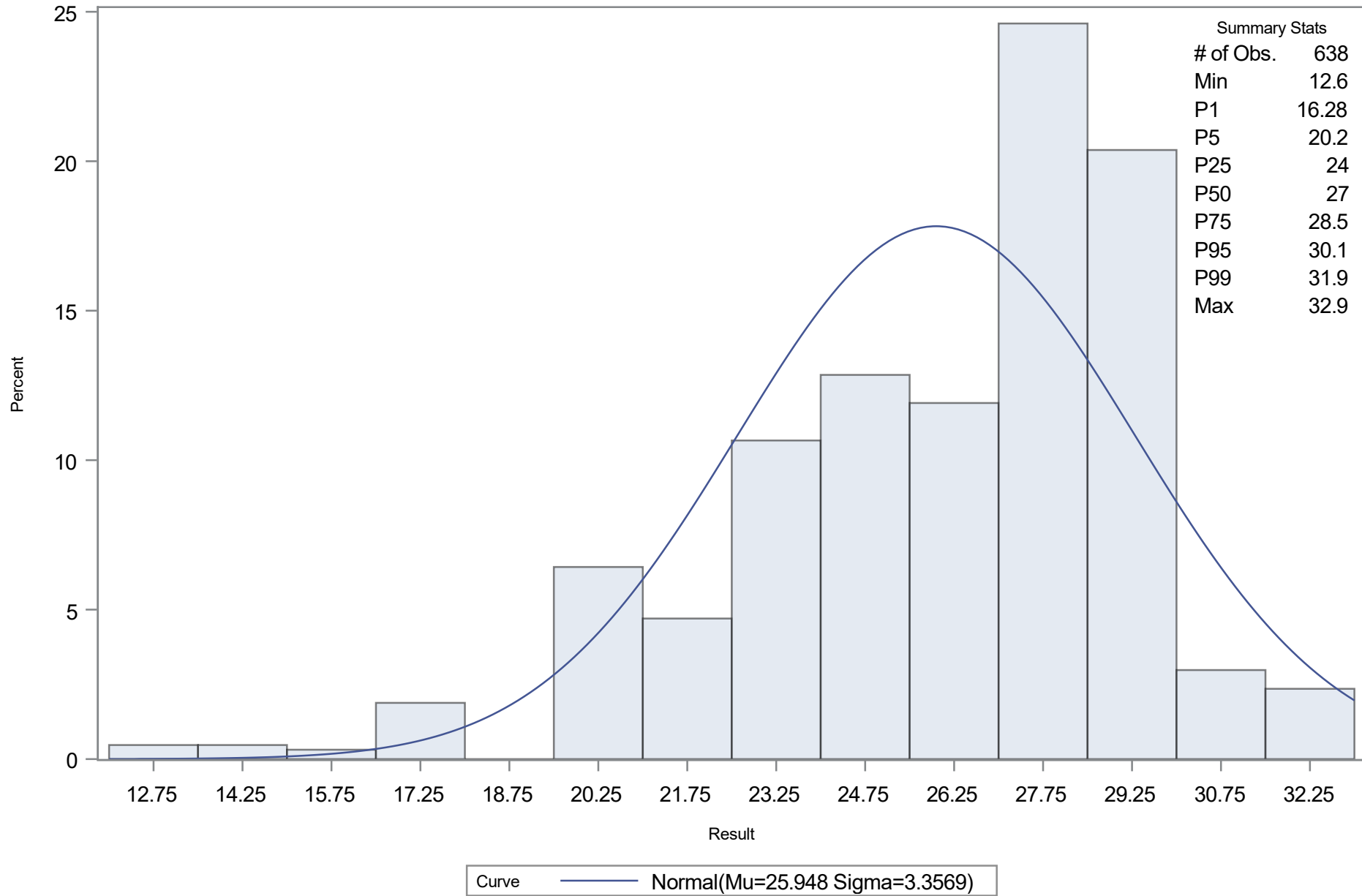
Period ○ P1 + P2 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Midwater Water Temperature (c)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	25.94774
Std Dev	Sigma	3.356892

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1336128	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.3364626	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	13.1259940	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	16.2800	18.1384
5.0	20.2000	20.4261
10.0	21.0000	21.6457
25.0	24.0000	23.6836
50.0	27.0000	25.9477
75.0	28.5000	28.2119
90.0	29.0000	30.2498
95.0	30.1000	31.4693
99.0	31.9000	33.7570

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

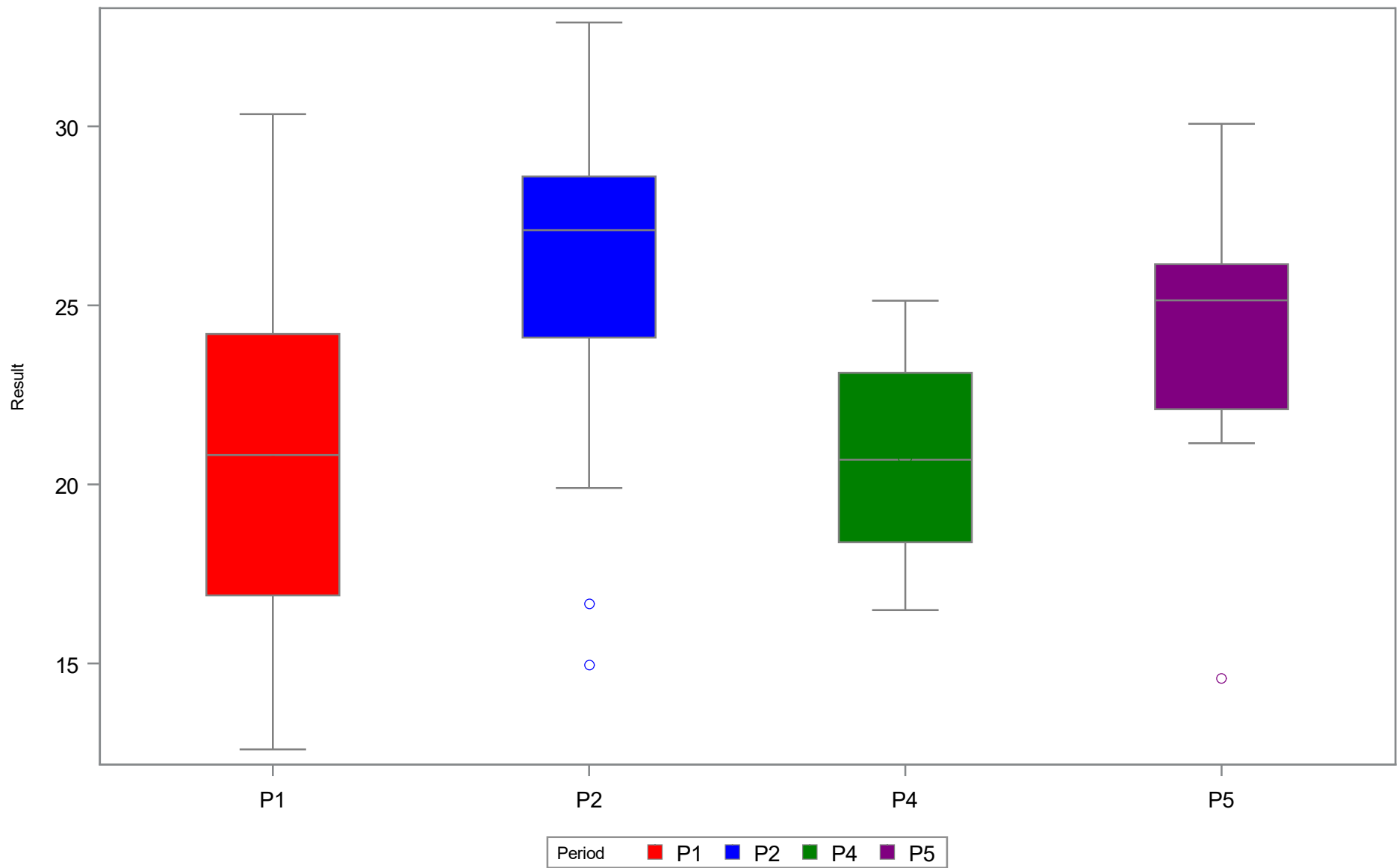
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Water Temperature (c)

	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	4	16.49	18.39	20.75	20.69	23.12	25.13
P5	13	14.59	22.10	24.50	25.14	26.15	30.07

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Midwater Water Temperature (c)



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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Water Temperature (c)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

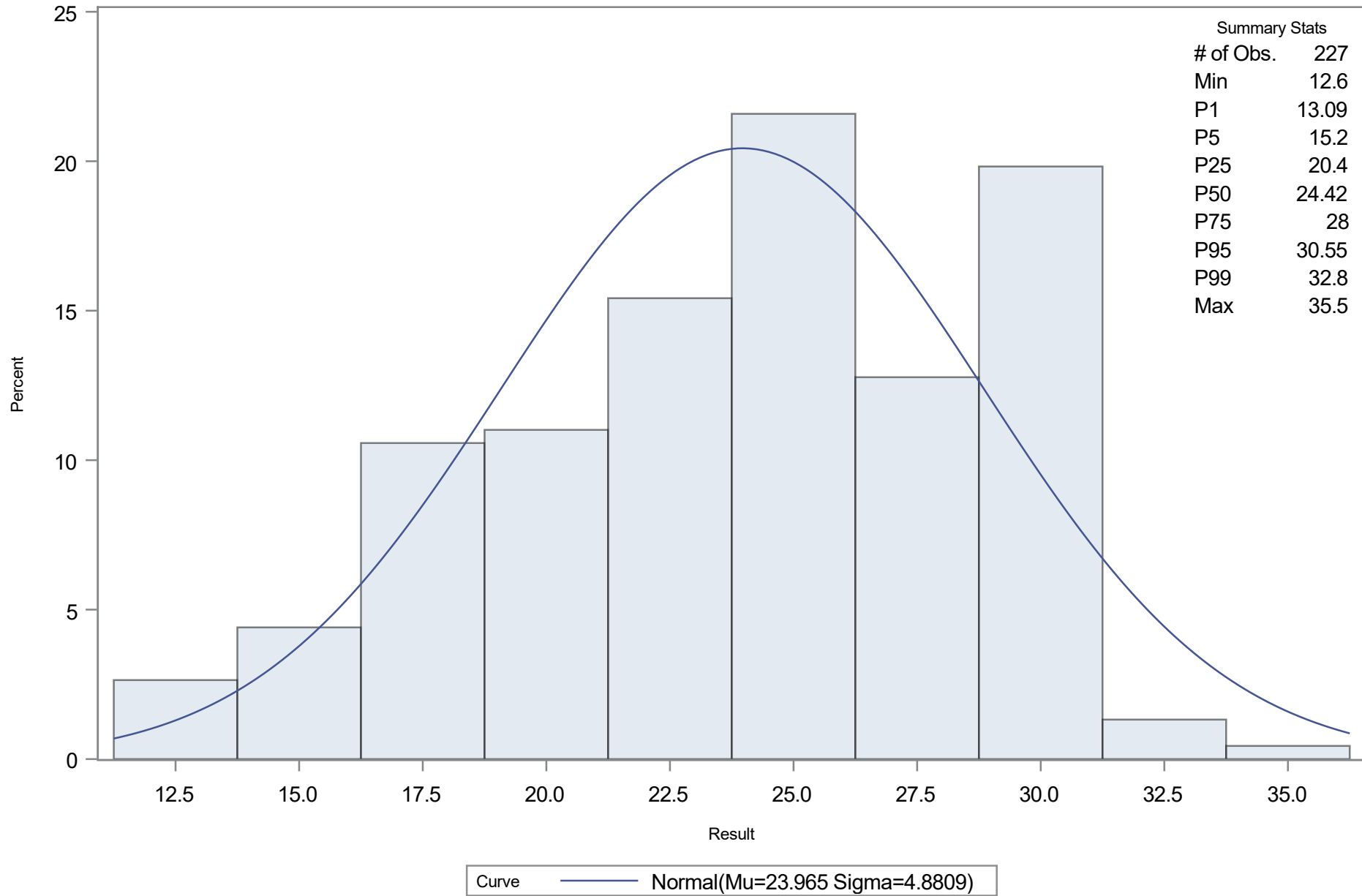
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Hillsborough River Reservoir Surface Water Temperature (c)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	23.96533
Std Dev	Sigma	4.880868

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.06304709	Pr > D	0.026
Cramer-von Mises	W-Sq	0.20643186	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.52913236	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	13.0900	12.6107
5.0	15.2000	15.9370
10.0	17.0000	17.7102
25.0	20.4000	20.6732
50.0	24.4200	23.9653
75.0	28.0000	27.2574
90.0	30.0700	30.2204
95.0	30.5500	31.9936
99.0	32.8000	35.3199

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

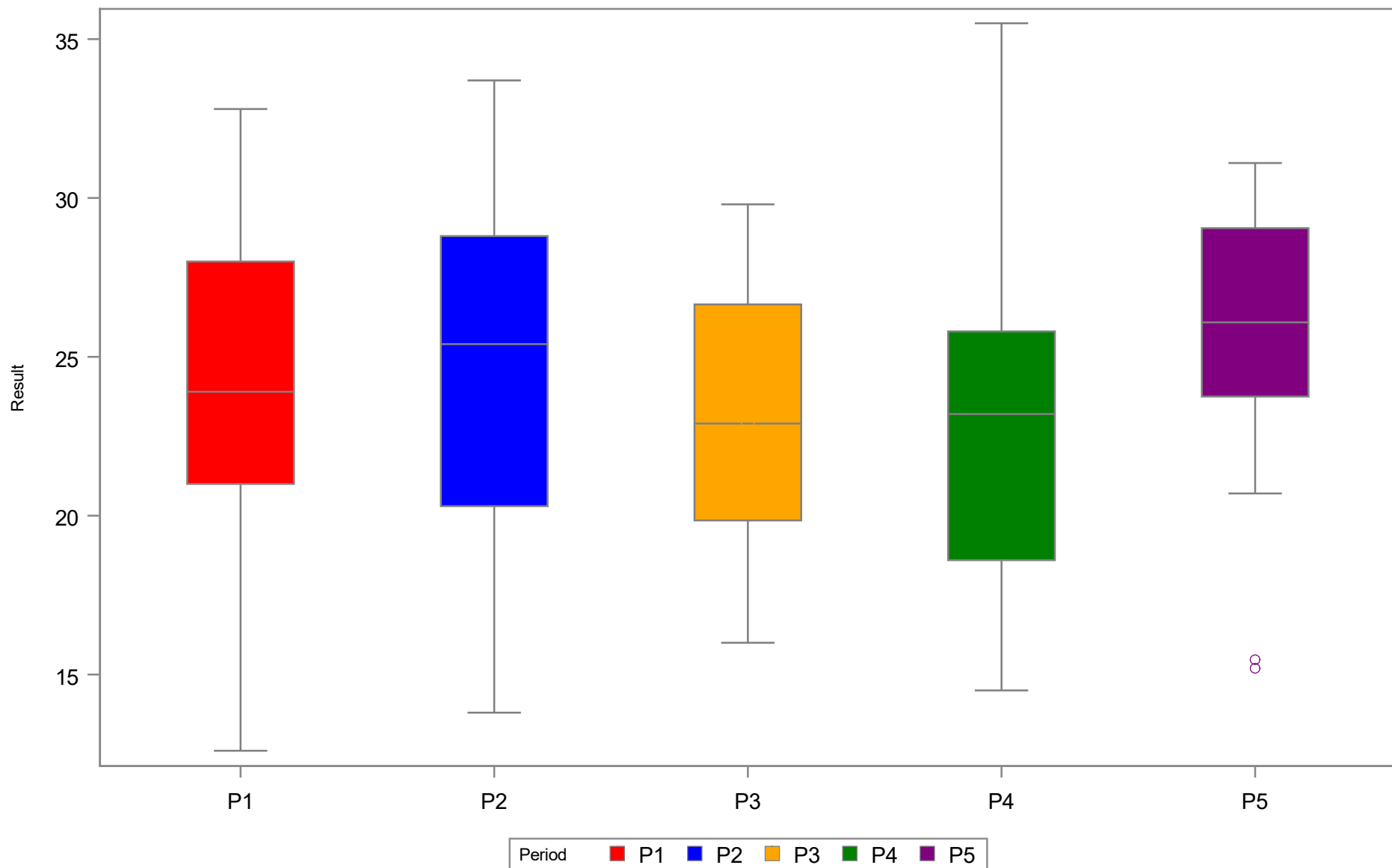
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Water Temperature (c)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	99	12.60	21.00	23.61	23.90	28.00	32.80
P2	58	13.80	20.30	24.60	25.40	28.80	33.70
P3	20	16.00	19.85	22.97	22.90	26.65	29.80
P4	22	14.50	18.60	22.70	23.20	25.80	35.50
P5	28	15.20	23.75	25.60	26.09	29.05	31.10

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

DRAFT

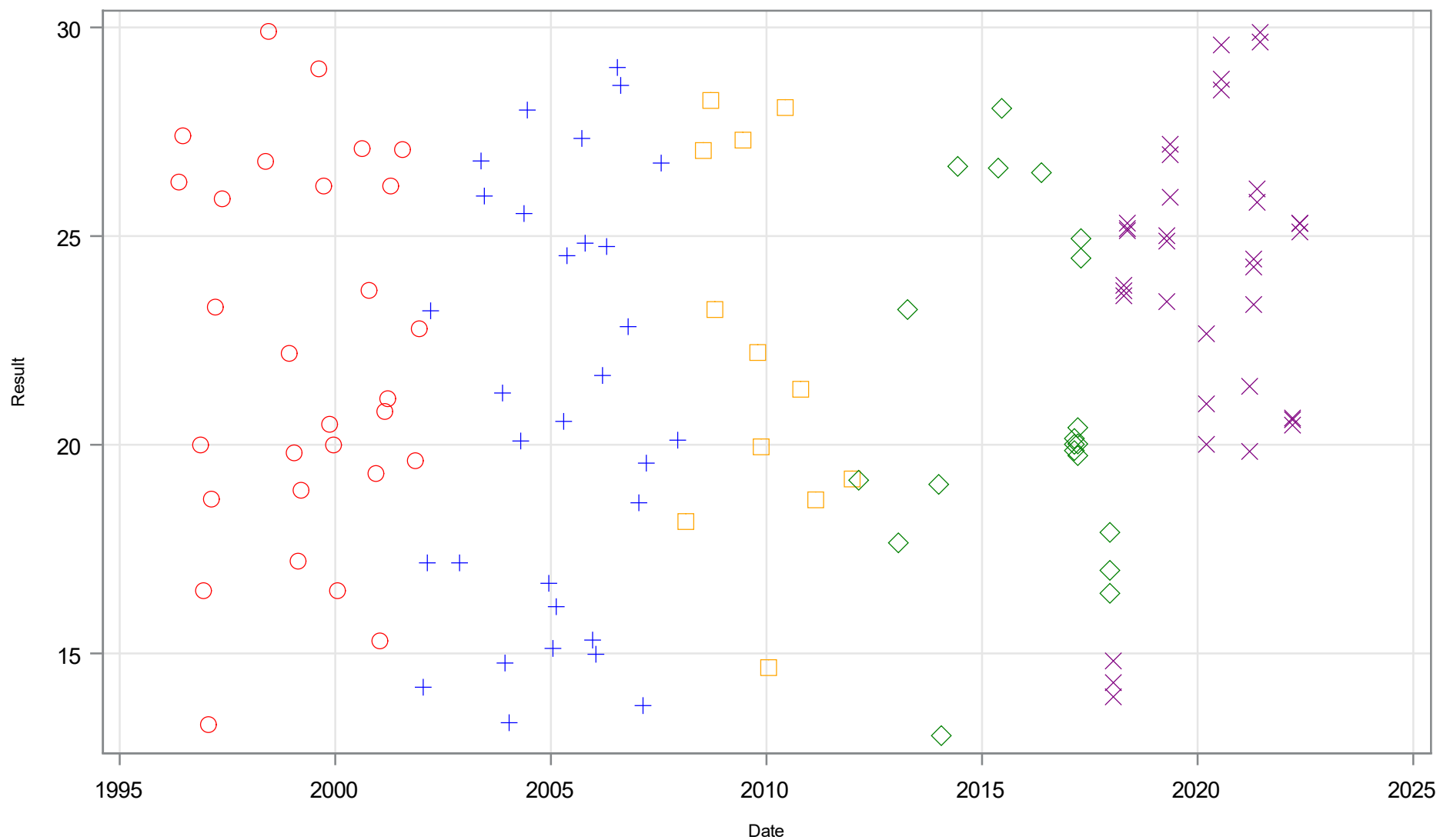
Boxplot by MFL Period for Hillsborough River Reservoir Surface Water Temperature (c)



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

DRAFT

Timeseries of Upper Hillsborough River Bottom Water Temperature (c)



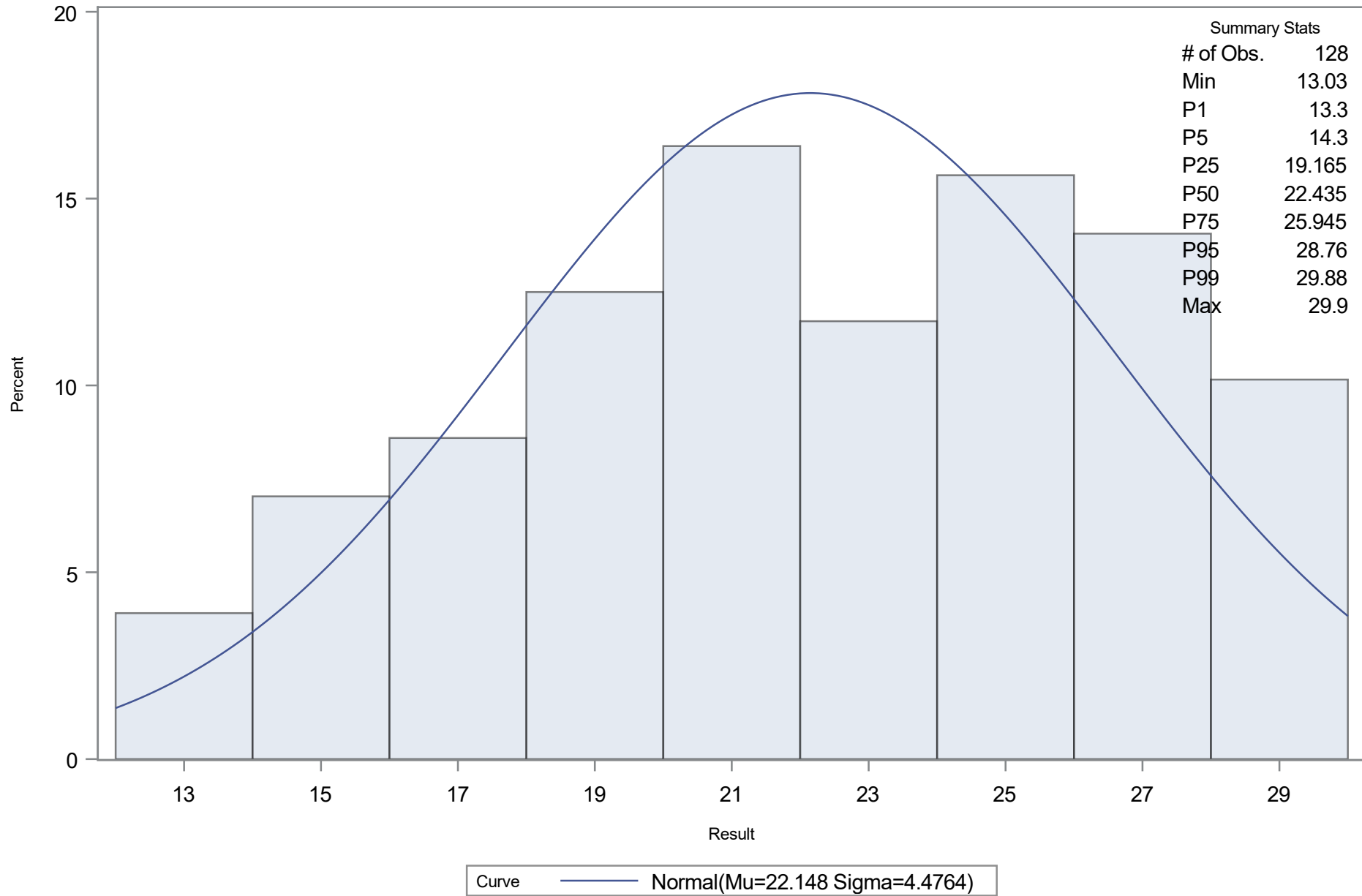
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Bottom Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Bottom Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	22.14773
Std Dev	Sigma	4.476369

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08710926	Pr > D	0.018
Cramer-von Mises	W-Sq	0.19729436	Pr > W-Sq	0.006
Anderson-Darling	A-Sq	1.22378266	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	13.3000	11.7341
5.0	14.3000	14.7848
10.0	15.3000	16.4110
25.0	19.1650	19.1285
50.0	22.4350	22.1477
75.0	25.9450	25.1670
90.0	28.0200	27.8844
95.0	28.7600	29.5107
99.0	29.8800	32.5613

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

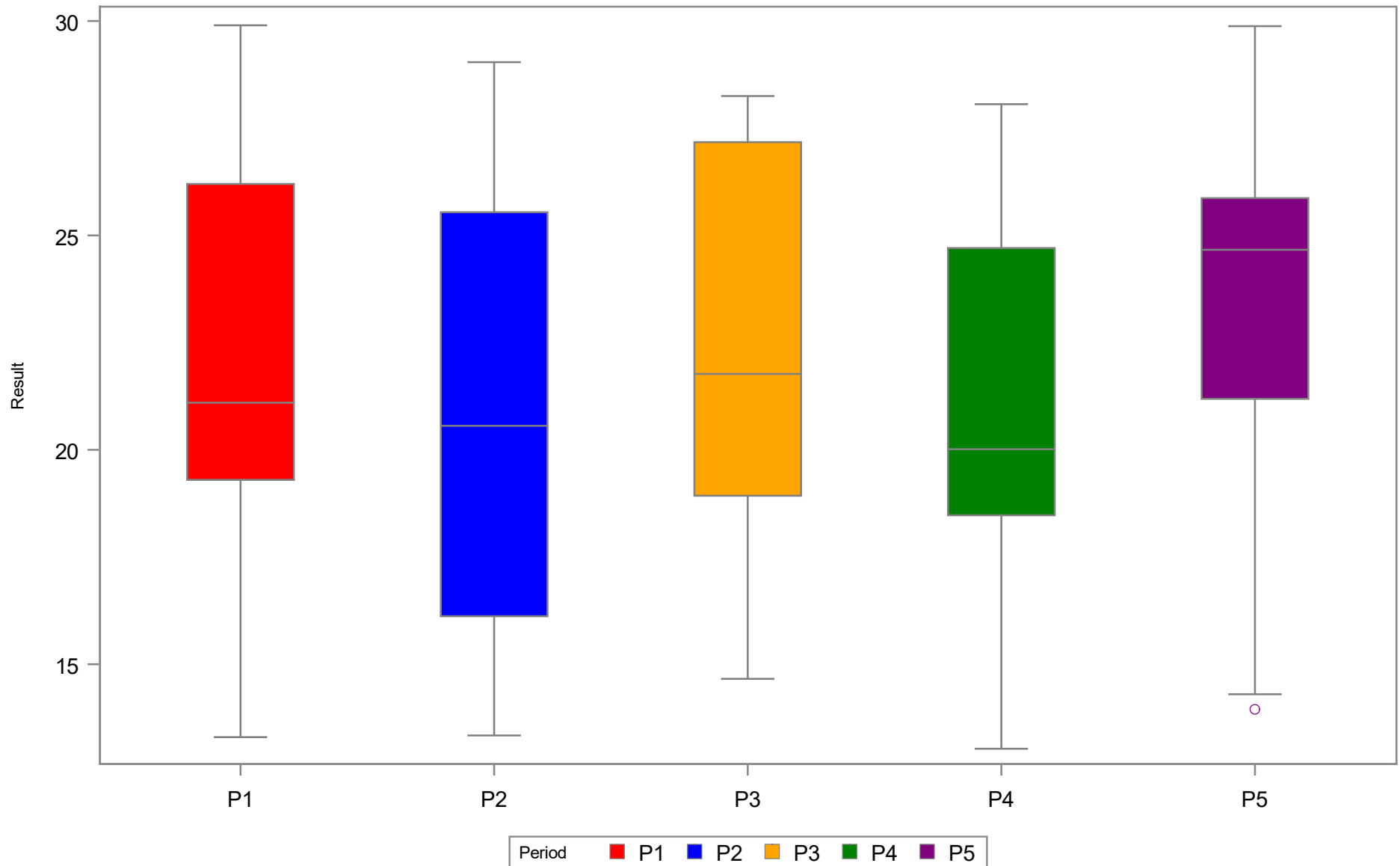
DRAFT Distributional Statistics by Period for Upper Hillsborough River Bottom Water Temperature (c)

	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	12	14.66	18.93	22.34	21.77	27.18	28.25
P4	20	13.03	18.48	21.05	20.02	24.71	28.06
P5	36	13.96	21.19	23.77	24.67	25.87	29.88

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

DRAFT

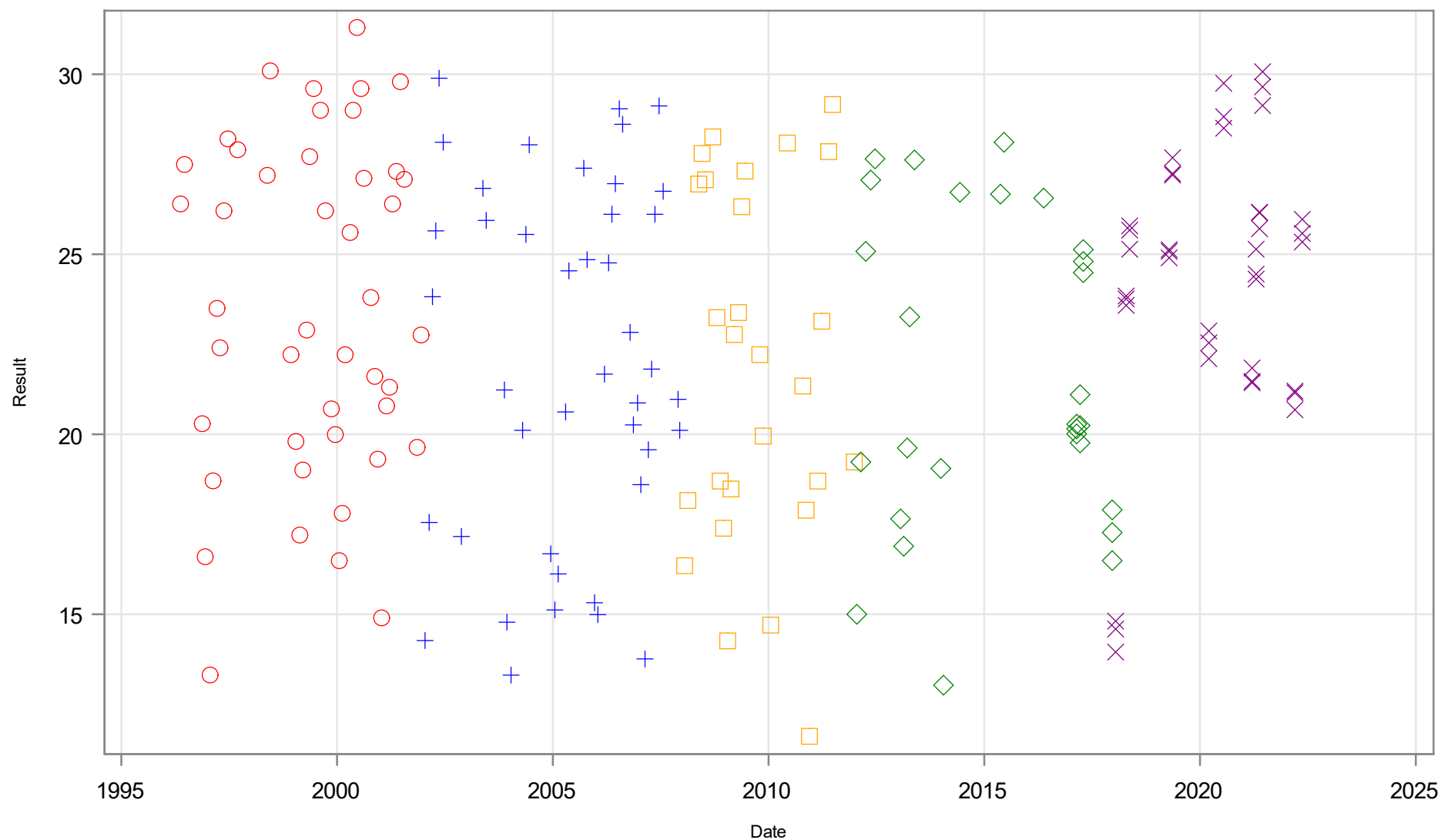
Boxplot by MFL Period for Upper Hillsborough River Bottom Water Temperature (c)



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

DRAFT

Timeseries of Upper Hillsborough River Midwater Water Temperature (c)



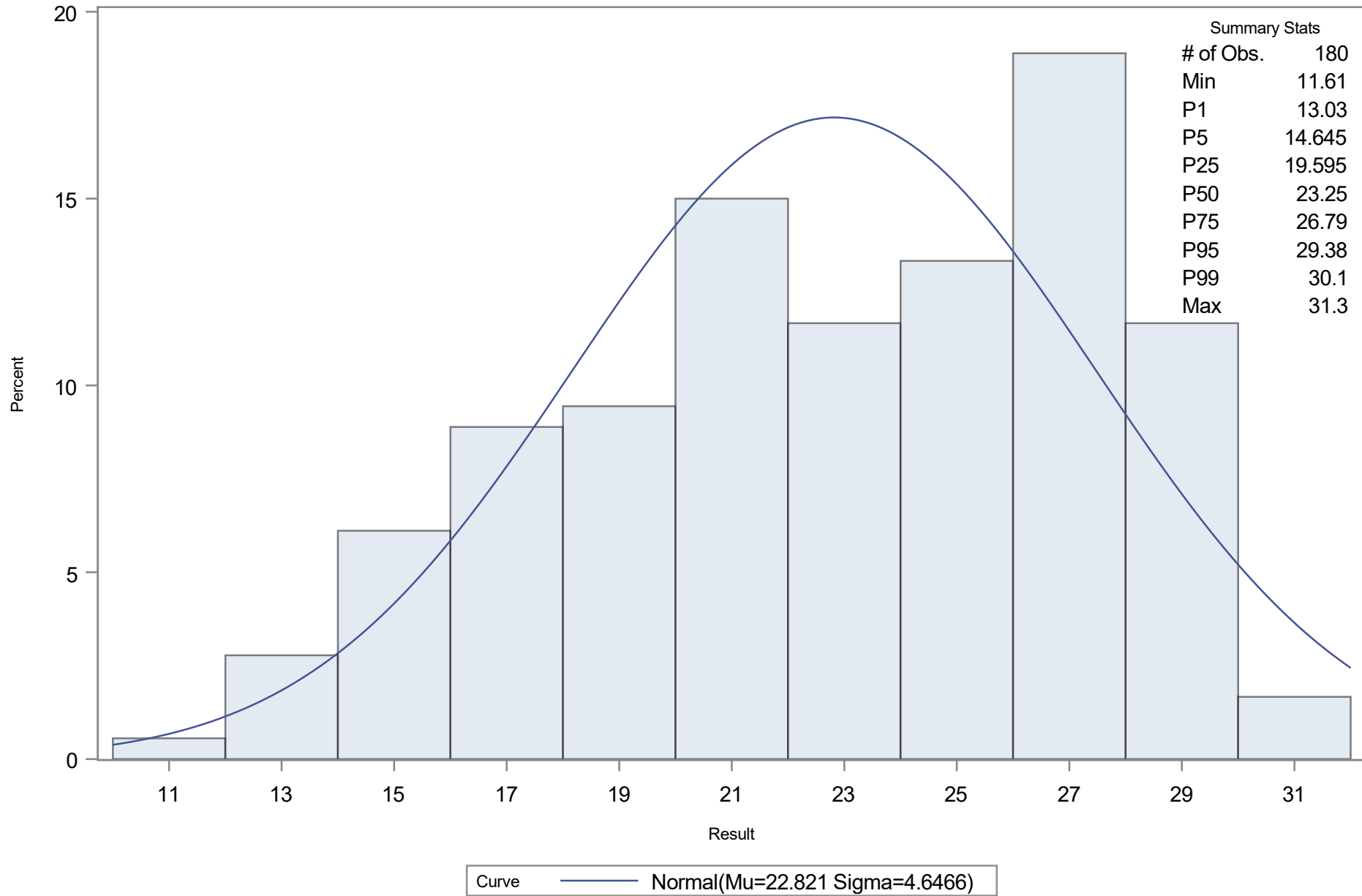
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Midwater Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Midwater Water Temperature (c)

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	22.82056
Std Dev	Sigma	4.646564

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09772018	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.31330571	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.98860850	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	13.0300	12.0110
5.0	14.6450	15.1776
10.0	16.2350	16.8657
25.0	19.5950	19.6865
50.0	23.2500	22.8206
75.0	26.7900	25.9546
90.0	28.3800	28.7754
95.0	29.3800	30.4635
99.0	30.1000	33.6301

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

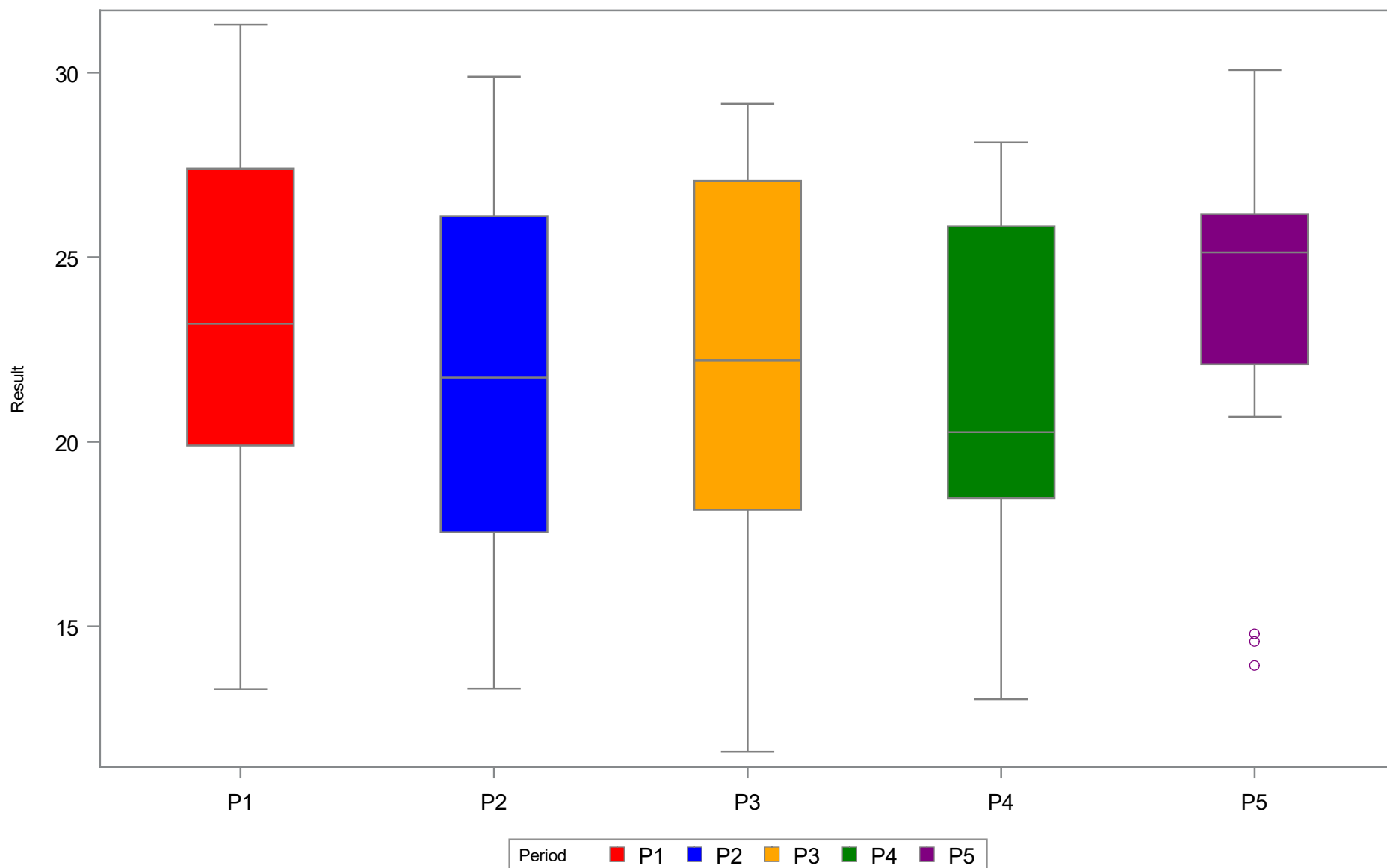
DRAFT Distributional Statistics by Period for Upper Hillsborough River Midwater Water Temperature (c)

	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	27	11.61	18.16	21.86	22.21	27.07	29.16
P4	28	13.03	18.48	21.67	20.26	25.85	28.11
P5	39	13.95	22.10	24.32	25.13	26.17	30.07

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

DRAFT

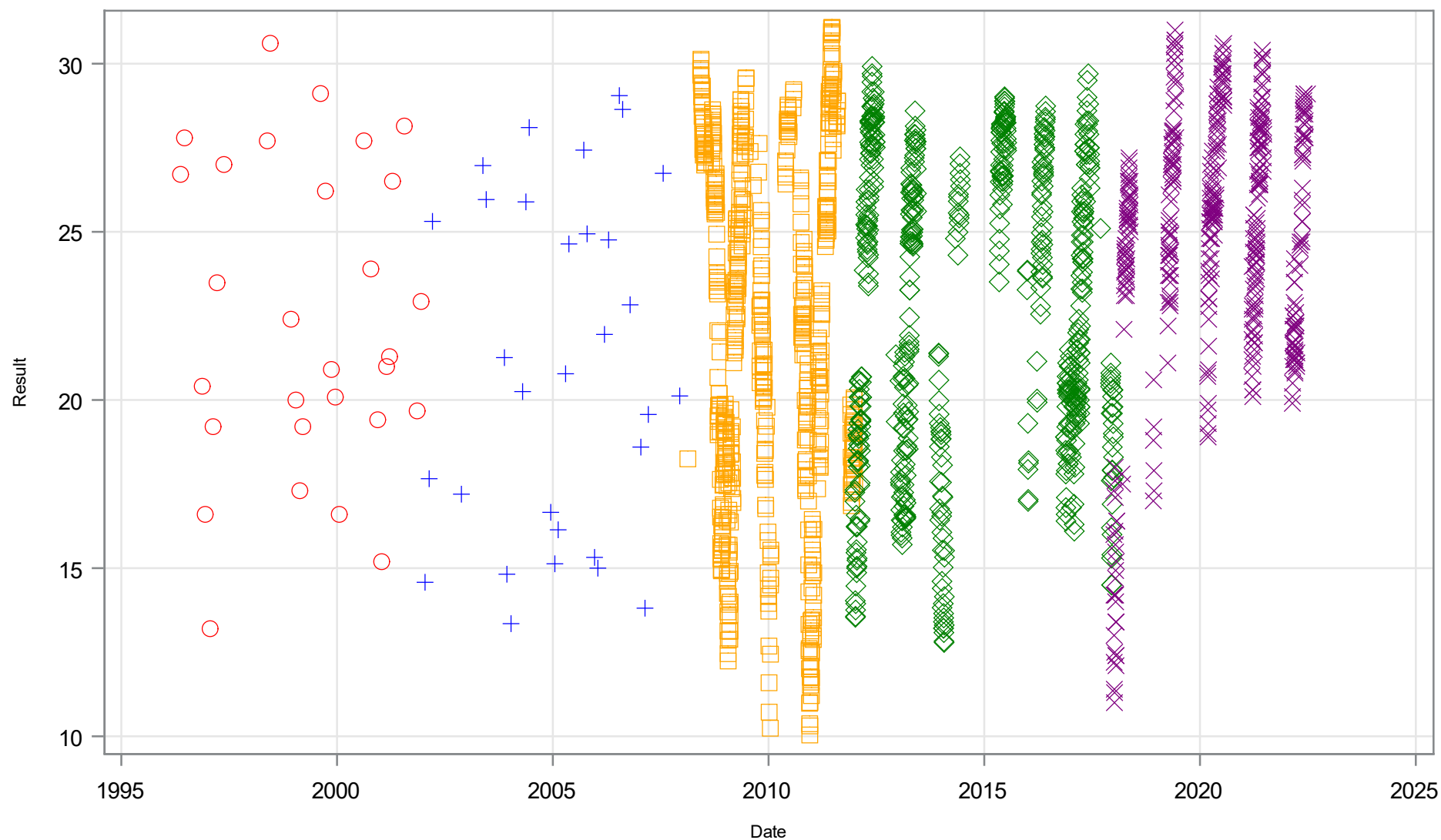
Boxplot by MFL Period for Upper Hillsborough River Midwater Water Temperature (c)



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

DRAFT

Timeseries of Upper Hillsborough River Surface Water Temperature (c)



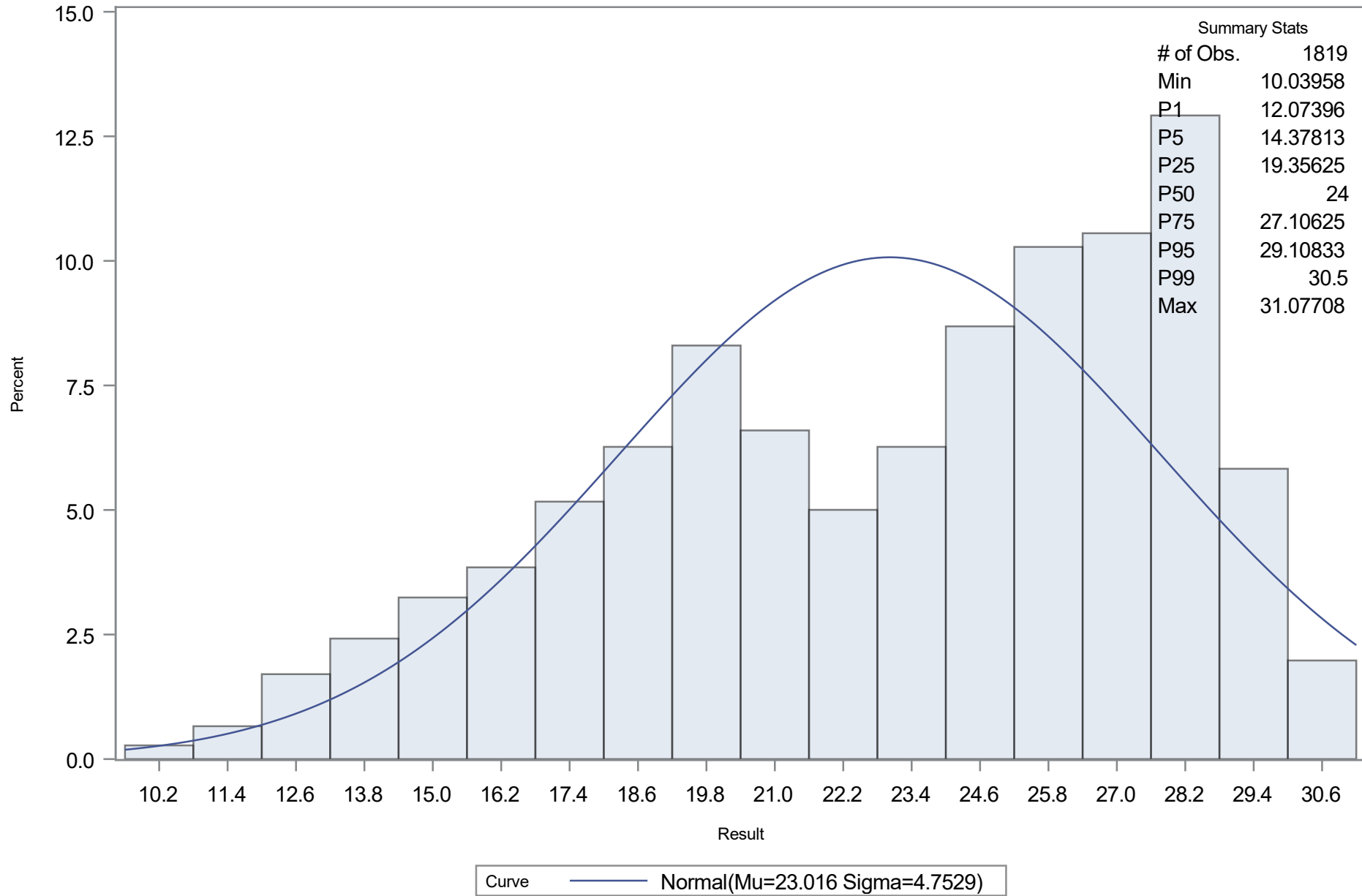
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Water Temperature (c)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface Water Temperature (c)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	23.01571
Std Dev	Sigma	4.752931

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0952307	Pr > D	<0.010
Cramer-von Mises	W-Sq	4.5909541	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	27.3398264	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	12.0740	11.9587
5.0	14.3781	15.1978
10.0	16.2375	16.9246
25.0	19.3563	19.8099
50.0	24.0000	23.0157
75.0	27.1063	26.2215
90.0	28.5000	29.1068
95.0	29.1083	30.8336
99.0	30.5000	34.0727

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

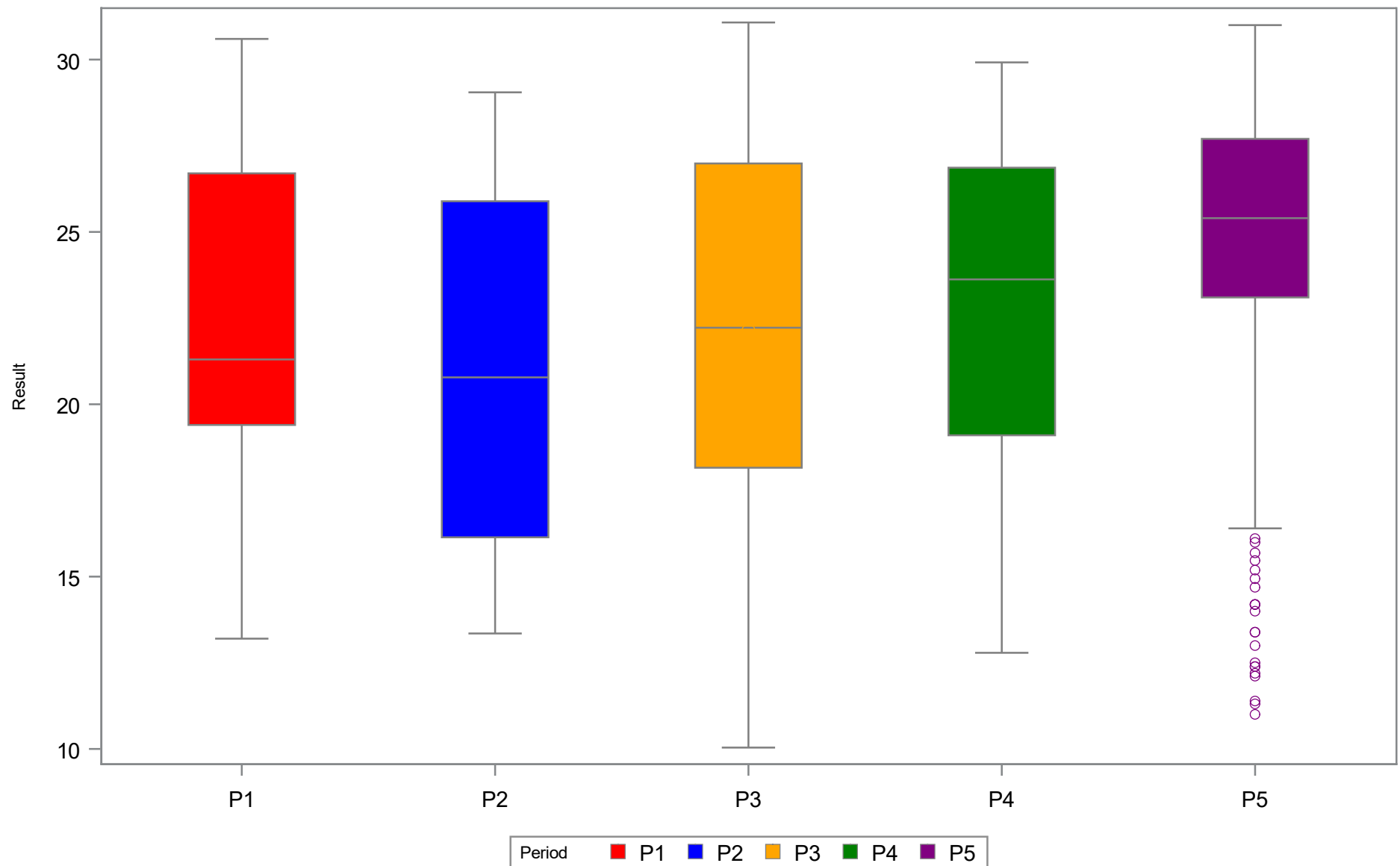
DRAFT **Distributional Statistics by Period for Upper Hillsborough River Surface Water Temperature (c)**

	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	674	10.04	18.16	22.11	22.22	26.99	31.08
P4	621	12.79	19.10	22.71	23.62	26.86	29.92
P5	464	11.00	23.10	24.92	25.40	27.70	31.00

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

DRAFT

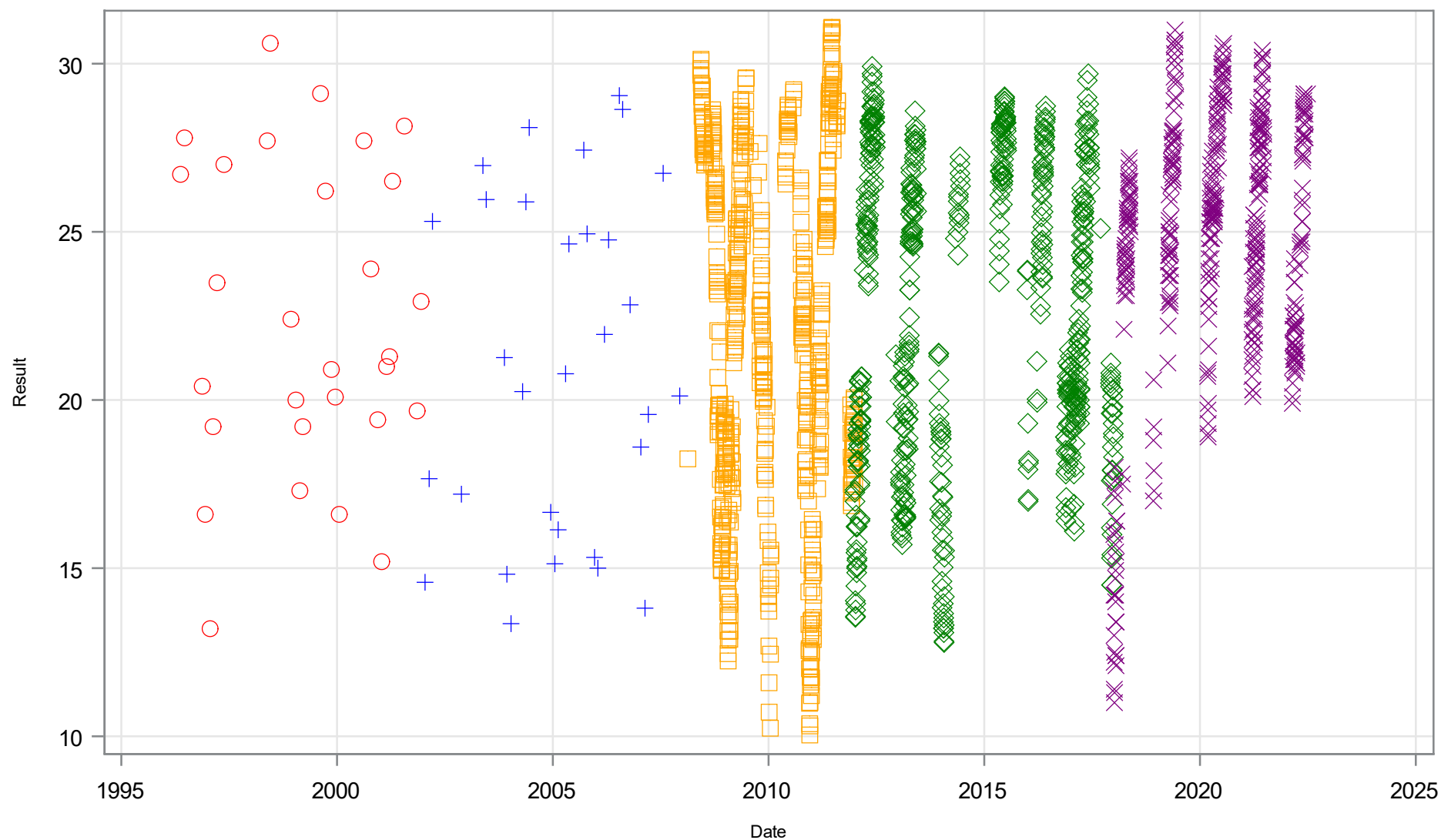
Boxplot by MFL Period for Upper Hillsborough River Surface Water Temperature (c)



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

DRAFT

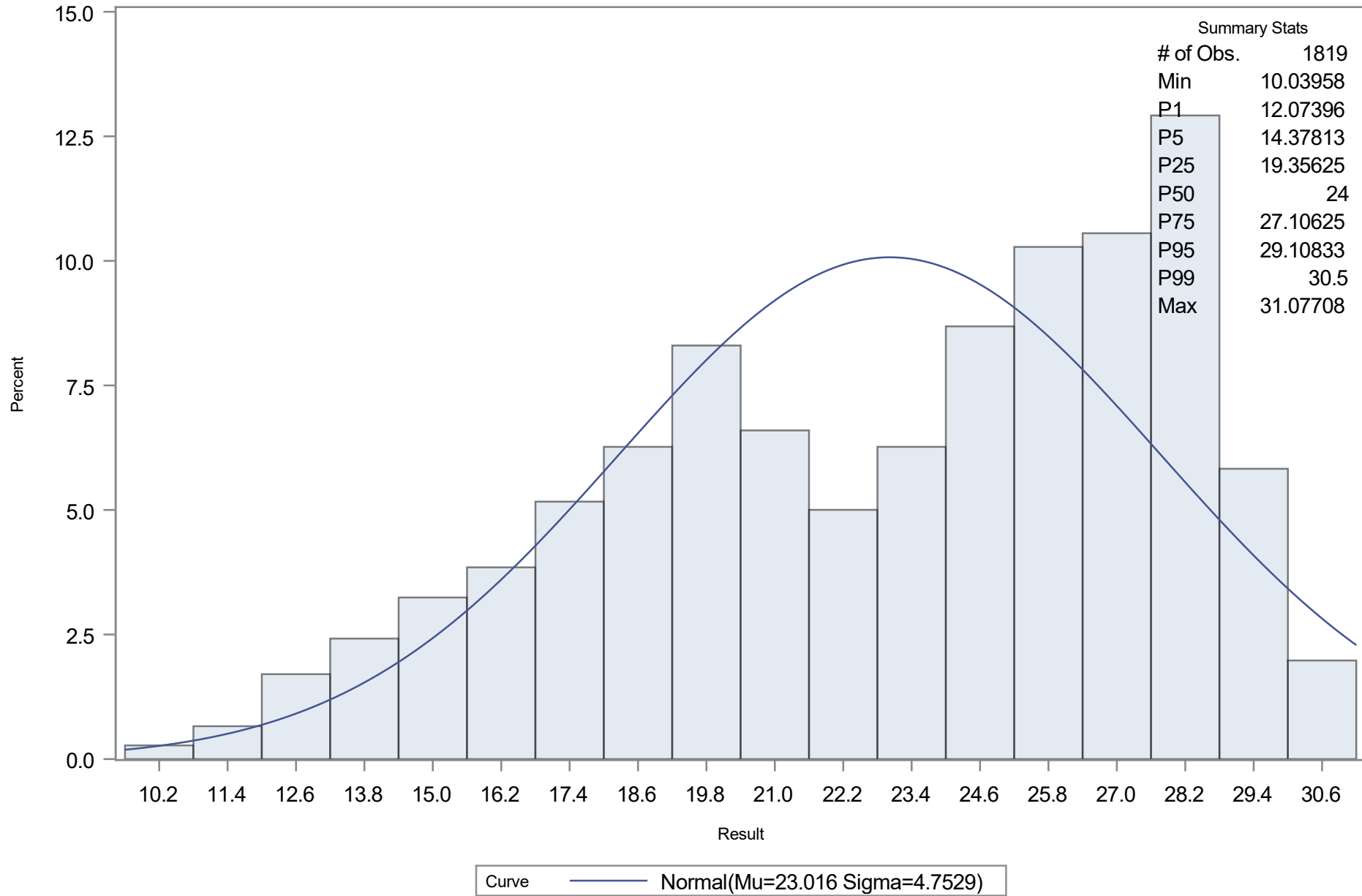
Timeseries of Upper Hillsborough River Surface Water Temperature Daily Avg (c)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	23.01571
Std Dev	Sigma	4.752931

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0952307	Pr > D	<0.010
Cramer-von Mises	W-Sq	4.5909541	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	27.3398264	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	12.0740	11.9587
5.0	14.3781	15.1978
10.0	16.2375	16.9246
25.0	19.3563	19.8099
50.0	24.0000	23.0157
75.0	27.1063	26.2215
90.0	28.5000	29.1068
95.0	29.1083	30.8336
99.0	30.5000	34.0727

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

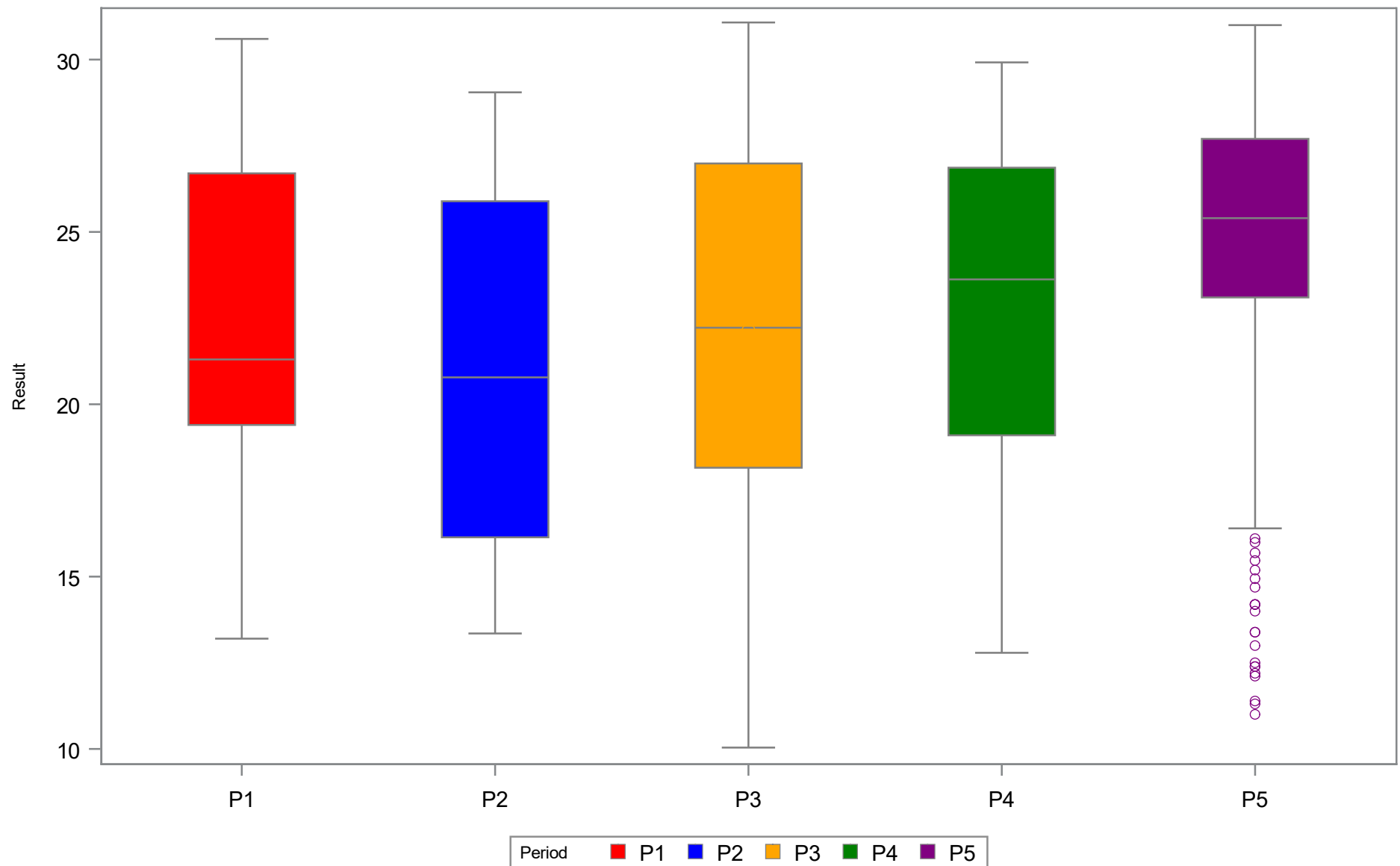
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Water Temperature Daily Avg (c)

	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	674	10.04	18.16	22.11	22.22	26.99	31.08
P4	621	12.79	19.10	22.71	23.62	26.86	29.92
P5	464	11.00	23.10	24.92	25.40	27.70	31.00

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

DRAFT

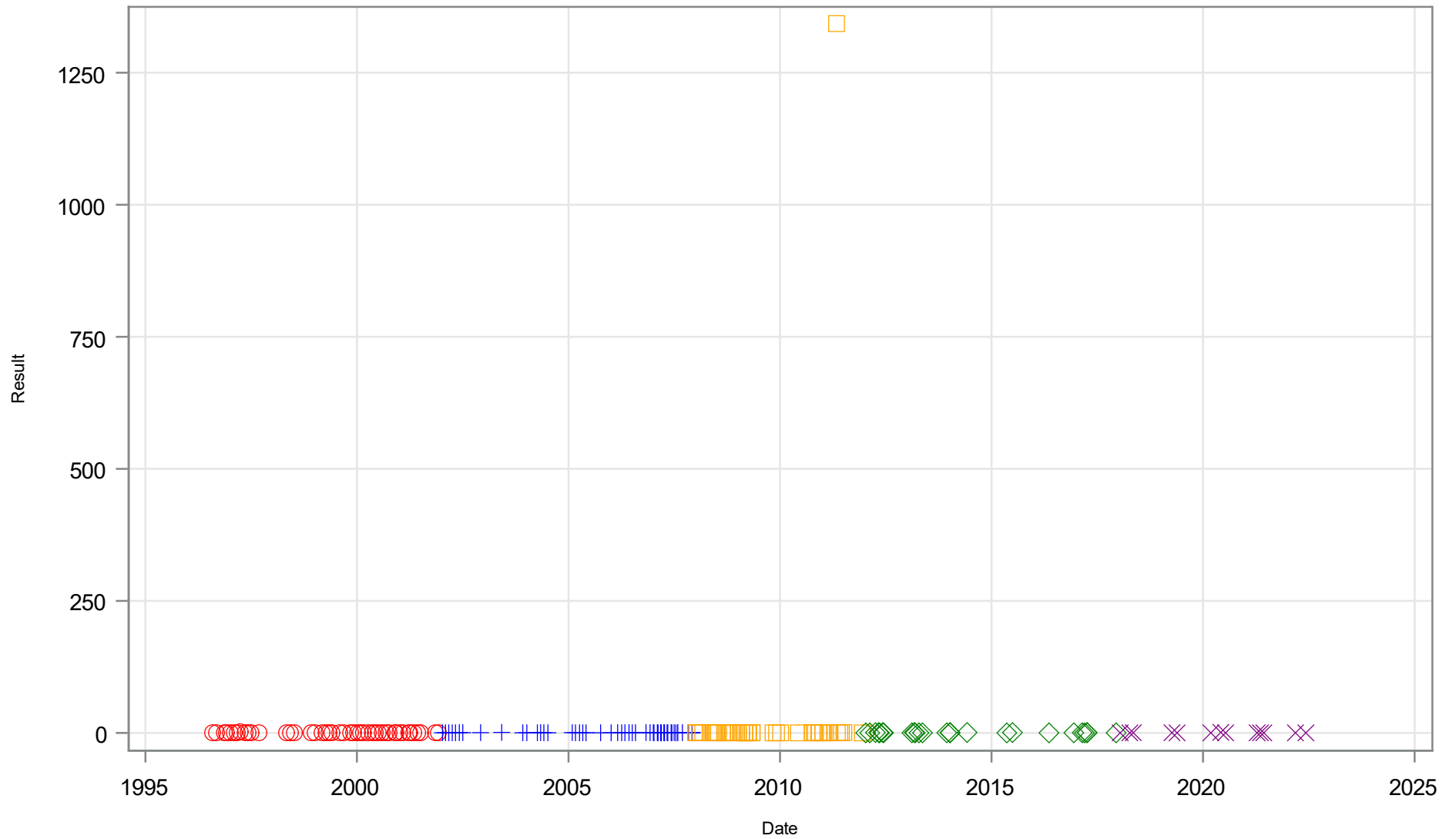
Boxplot by MFL Period for Upper Hillsborough River Surface Water Temperature Daily Avg (c)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Total Kjeldahl Nitrogen (mg/l)

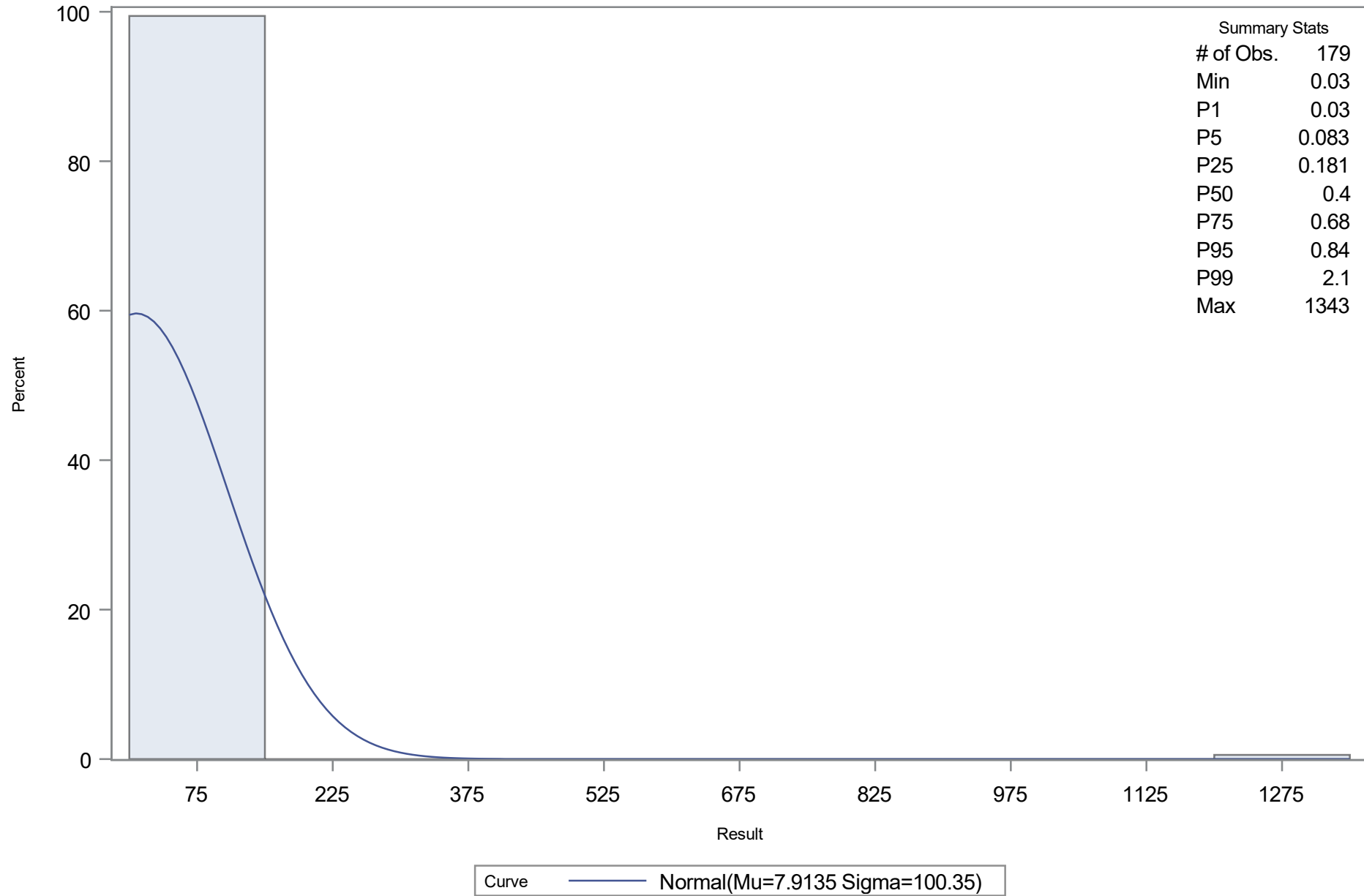


Period ○ P1 + P2 □ P3 ◇ P4 × P5

Period of Record: January 1996 through December 2023

Analysis Days Only

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.913469
Std Dev	Sigma	100.35

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.5175120	Pr > D	<0.010
Cramer-von Mises	W-Sq	14.6956312	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	68.3786899	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.03000	-225.53563
5.0	0.08300	-157.14766
10.0	0.11100	-120.69028
25.0	0.18100	-59.77160
50.0	0.40000	7.91347
75.0	0.68000	75.59854
90.0	0.70000	136.51722
95.0	0.84000	172.97460
99.0	2.10000	241.36257

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

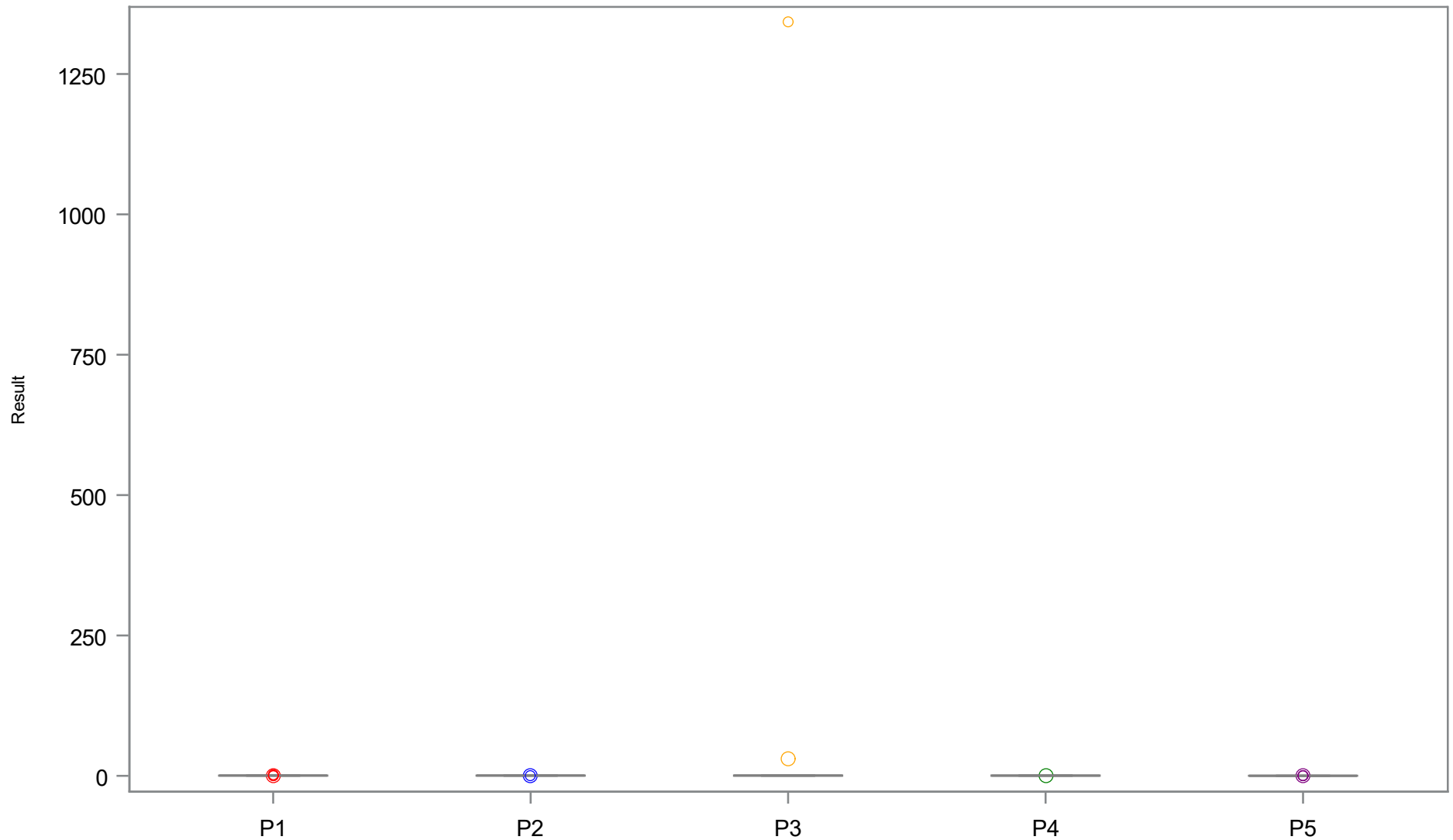
DRAFT Distributional Statistics by Period for Sulphur Springs Run Surface Total Kjeldahl Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.10	0.30	0.48	0.42	0.56	2.10
P2	51	0.08	0.30	0.42	0.40	0.56	1.00
P3	44	0.03	0.15	30.92	0.43	0.70	1343.00
P4	25	0.08	0.11	0.35	0.20	0.68	0.84
P5	13	0.14	0.15	0.28	0.18	0.18	1.10

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

DRAFT

Boxplot by MFL Period for Sulphur Springs Run Surface Total Kjeldahl Nitrogen (mg/l)



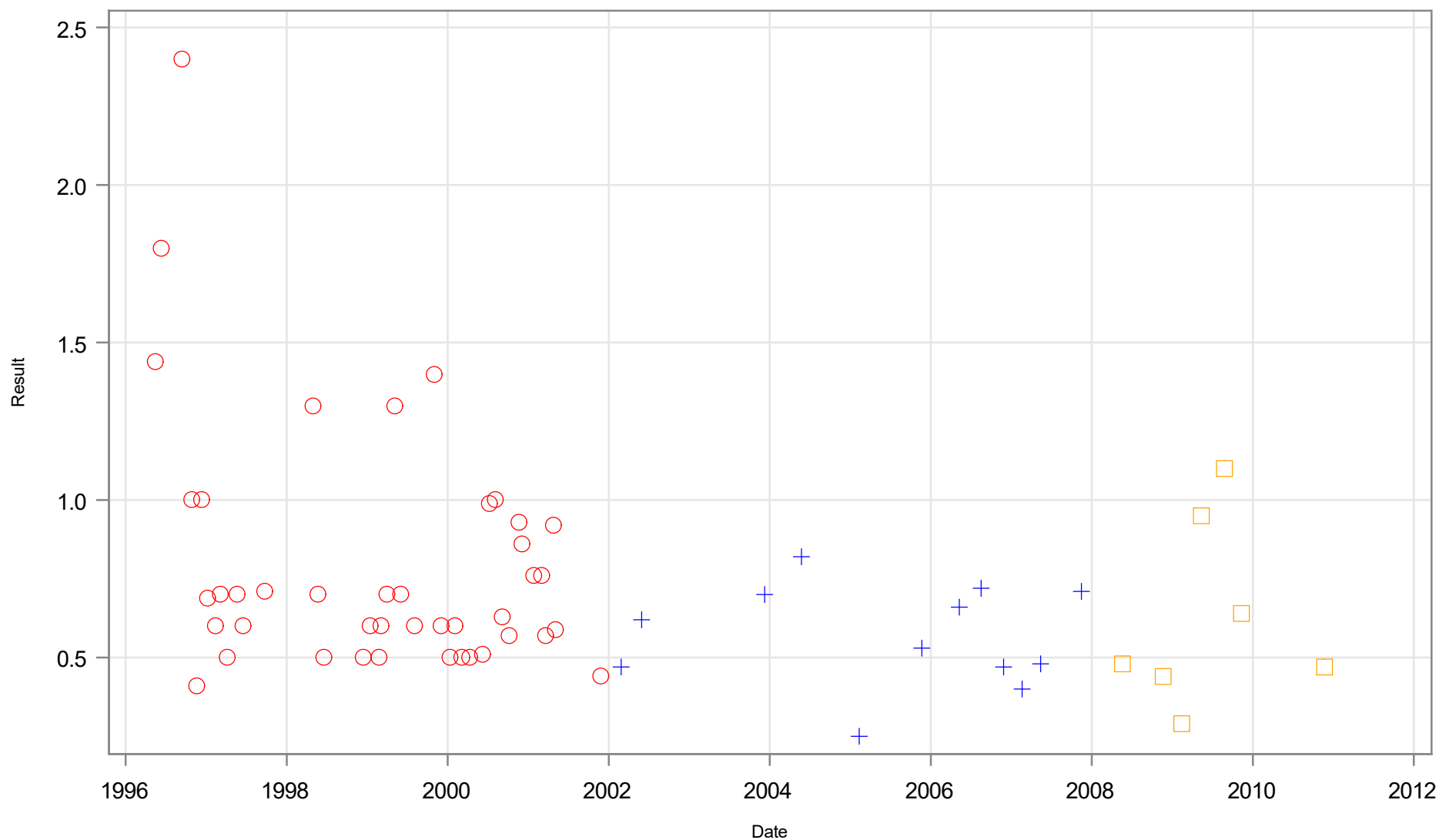
Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Timeseries of Tampa Bypass Canal Surface Total Kjeldahl Nitrogen (mg/l)



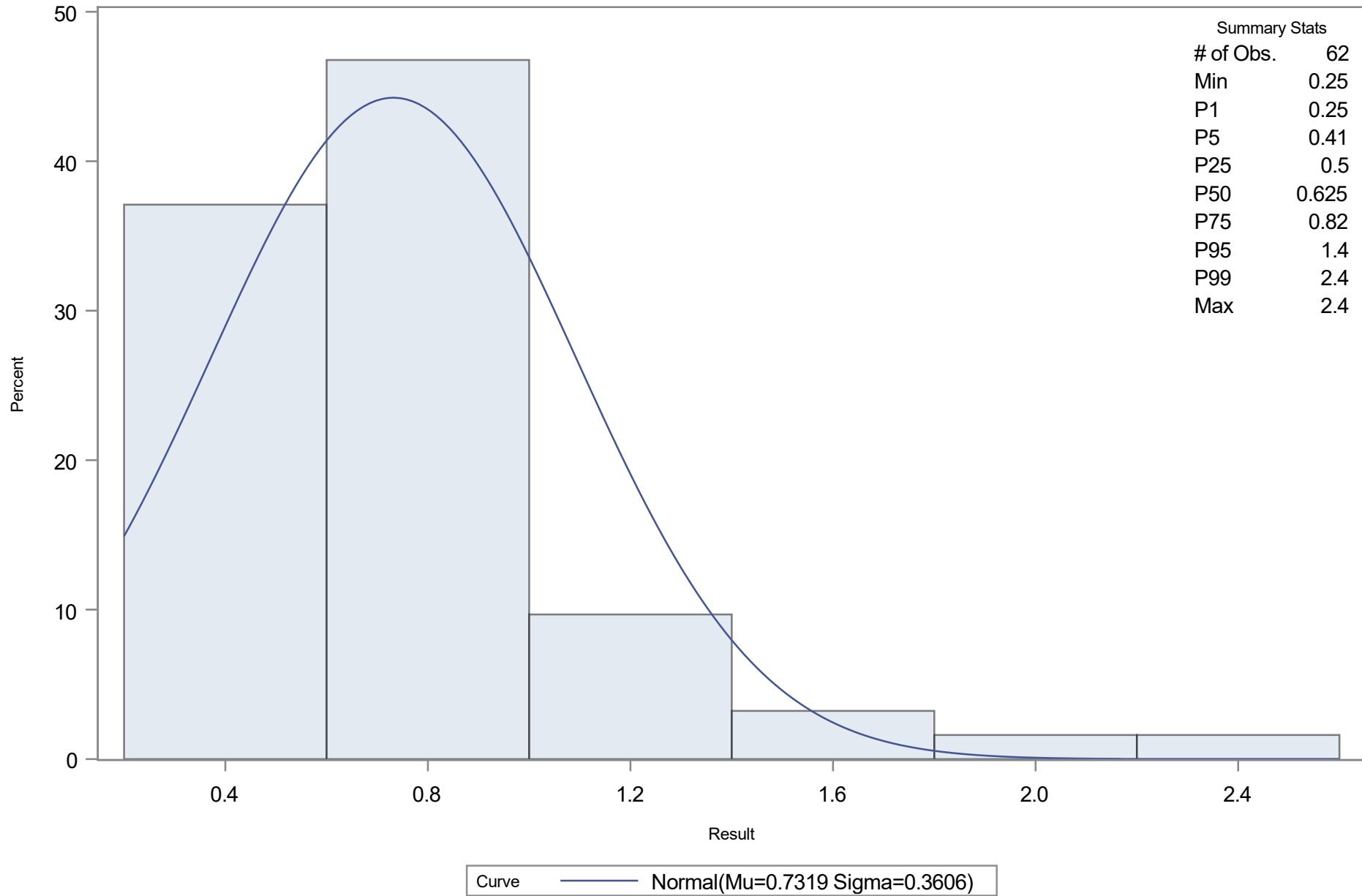
Period ○ P1 + P2 □ P3

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Total Kjeldahl Nitrogen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.731935
Std Dev	Sigma	0.360623

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.22287876	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.69790800	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.83791490	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.25000	-0.10700
5.0	0.41000	0.13876
10.0	0.47000	0.26978
25.0	0.50000	0.48870
50.0	0.62500	0.73194
75.0	0.82000	0.97517
90.0	1.10000	1.19409
95.0	1.40000	1.32511
99.0	2.40000	1.57087

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

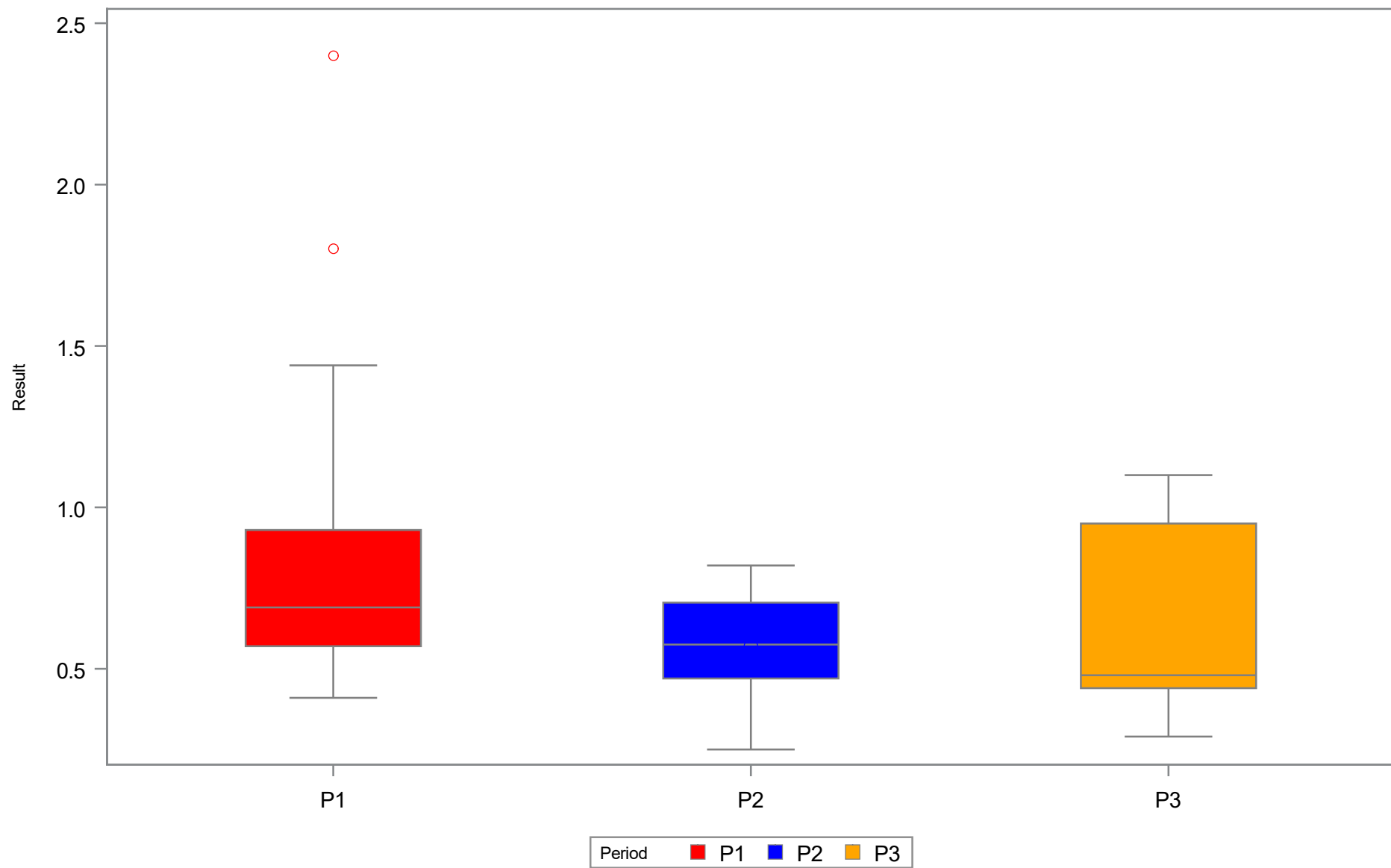
DRAFT Distributional Statistics by Period for Tampa Bypass Canal Surface Total Kjeldahl Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	43	0.41	0.57	0.79	0.69	0.93	2.40
P2	12	0.25	0.47	0.57	0.58	0.71	0.82
P3	7	0.29	0.44	0.62	0.48	0.95	1.10

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

DRAFT

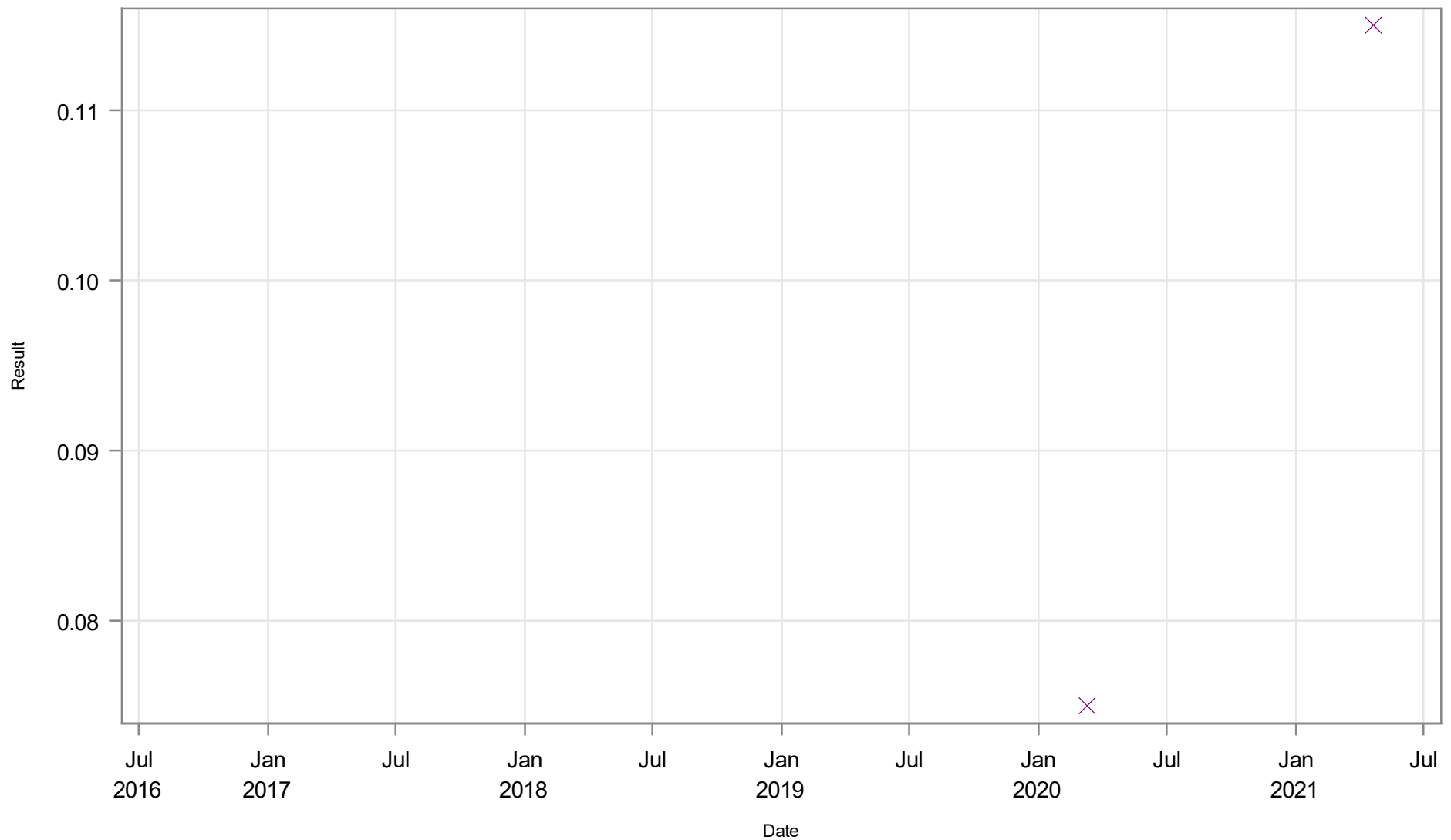
Boxplot by MFL Period for Tampa Bypass Canal Surface Total Kjeldahl Nitrogen (mg/l)



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

DRAFT

Timeseries of Moris Bridge Sink Surface Total Kjeldahl Nitrogen (mg/l)



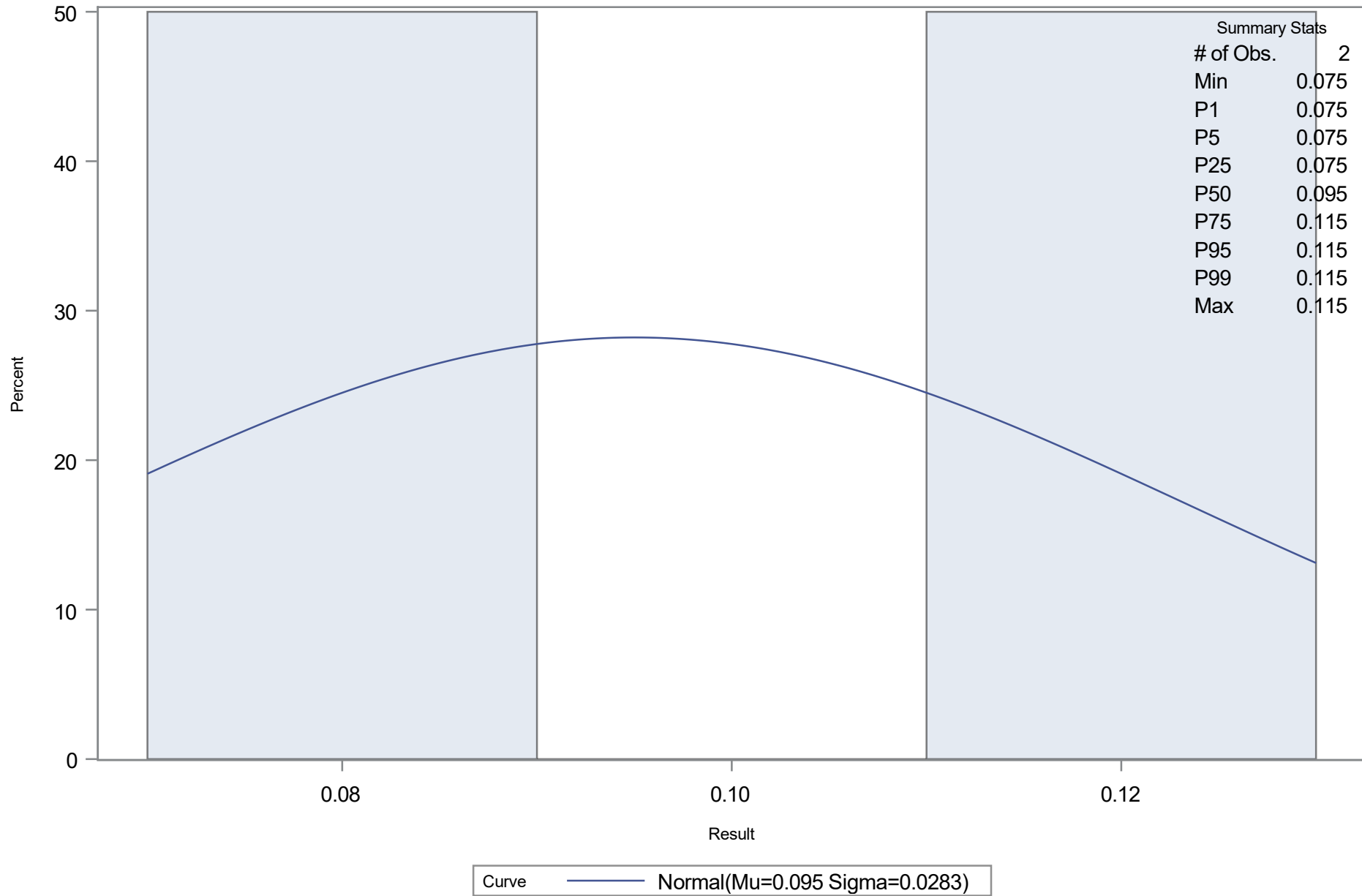
Period ◇ P4 × P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Total Kjeldahl Nitrogen (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Total Kjeldahl Nitrogen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.095
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		
Percent	Quantile	
	Observed	Estimated
1.0	0.07500	0.02920
5.0	0.07500	0.04848
10.0	0.07500	0.05875
25.0	0.07500	0.07592
50.0	0.09500	0.09500
75.0	0.11500	0.11408
90.0	0.11500	0.13125
95.0	0.11500	0.14152
99.0	0.11500	0.16080

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

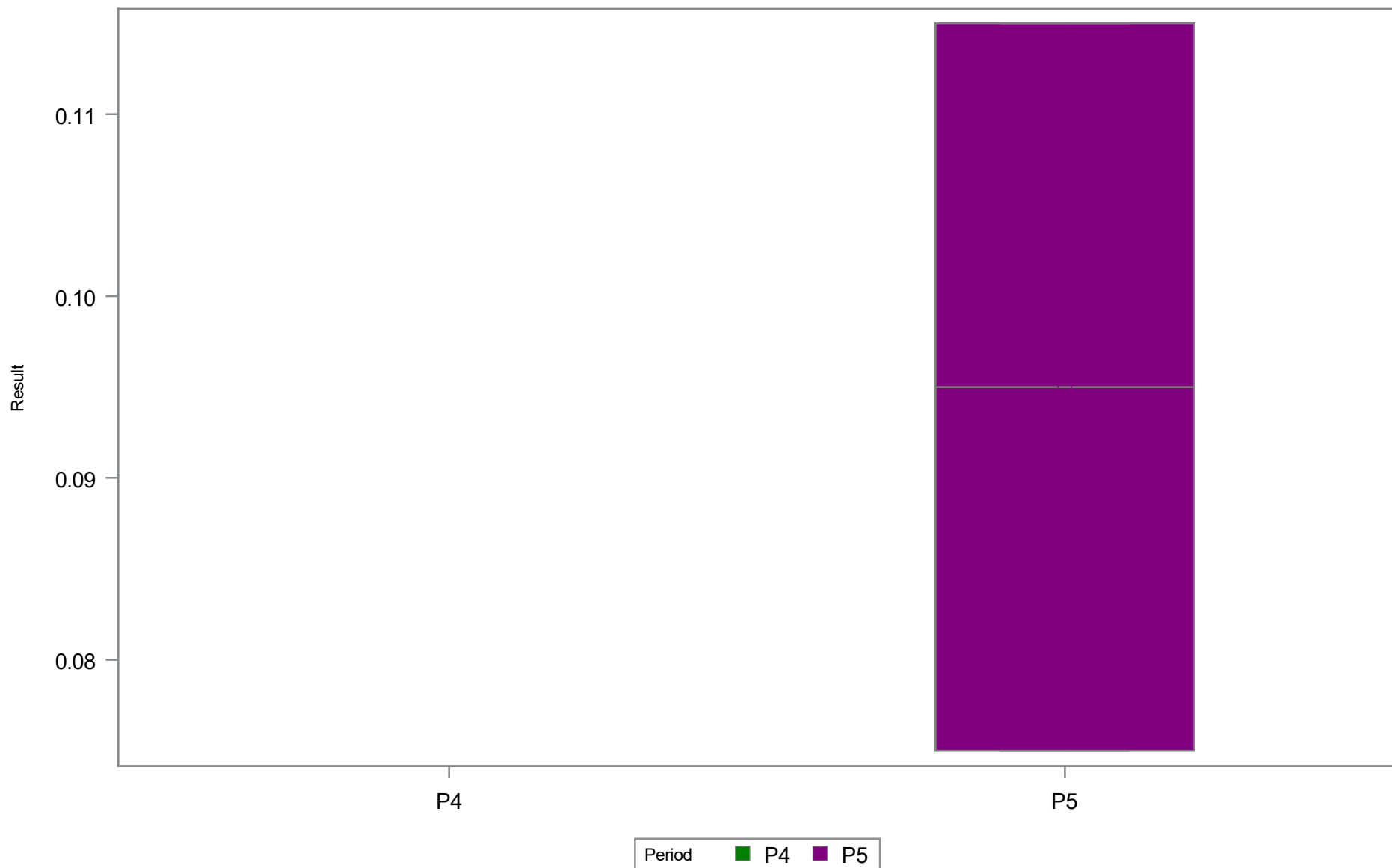
DRAFT Distributional Statistics by Period for Moris Bridge Sink Surface Total Kjeldahl Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	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

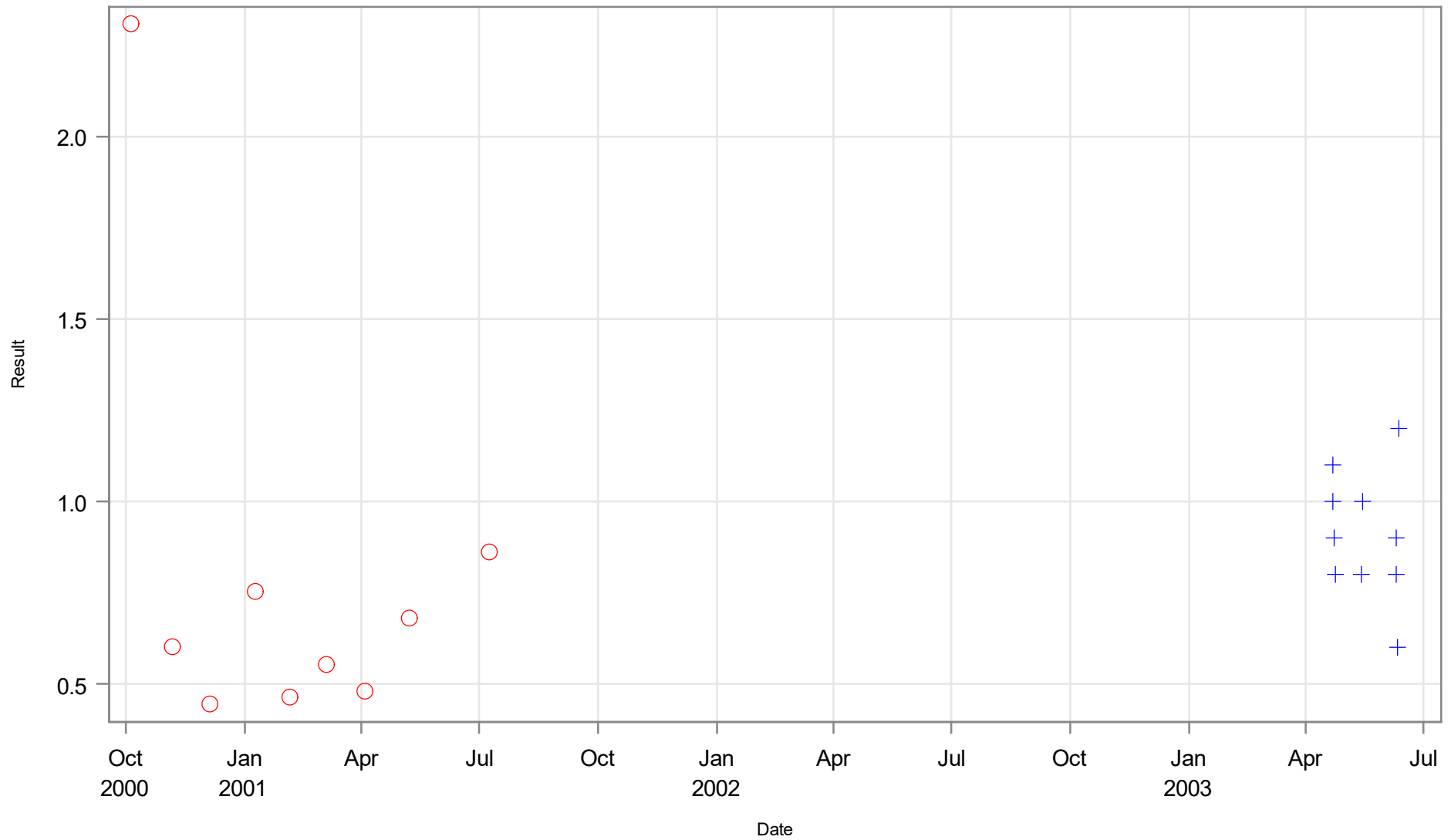
Boxplot by MFL Period for Moris Bridge Sink Surface Total Kjeldahl Nitrogen (mg/l)



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

DRAFT

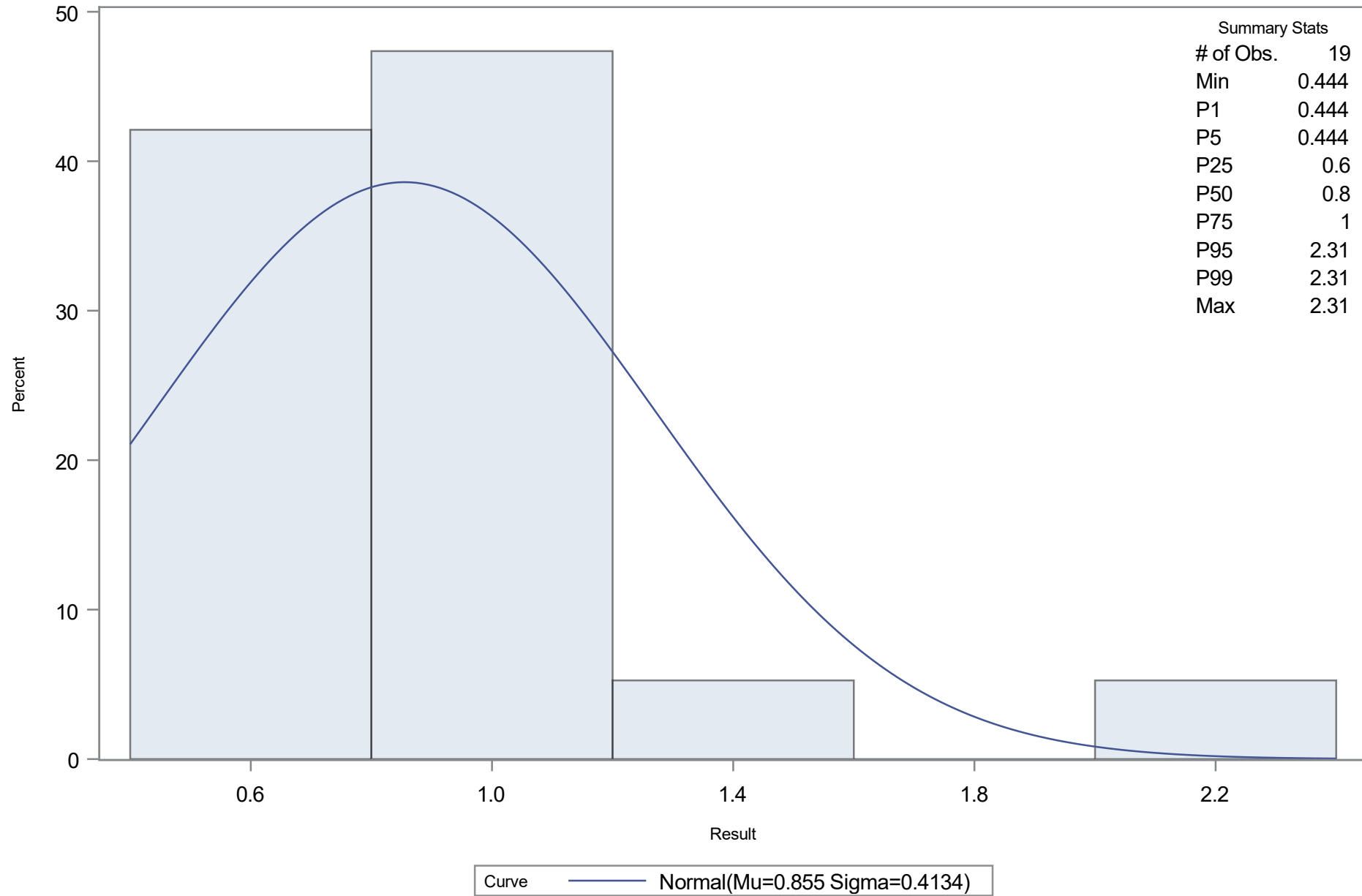
Timeseries of Hillsborough River Reservoir Bottom Total Kjeldahl Nitrogen (mg/l)



Period ○ P1 + P2

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.855
Std Dev	Sigma	0.413406

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.20499502	Pr > D	0.035
Cramer-von Mises	W-Sq	0.18684324	Pr > W-Sq	0.007
Anderson-Darling	A-Sq	1.28460459	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.44400	-0.10673
5.0	0.44400	0.17501
10.0	0.46300	0.32520
25.0	0.60000	0.57616
50.0	0.80000	0.85500
75.0	1.00000	1.13384
90.0	1.20000	1.38480
95.0	2.31000	1.53499
99.0	2.31000	1.81673

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

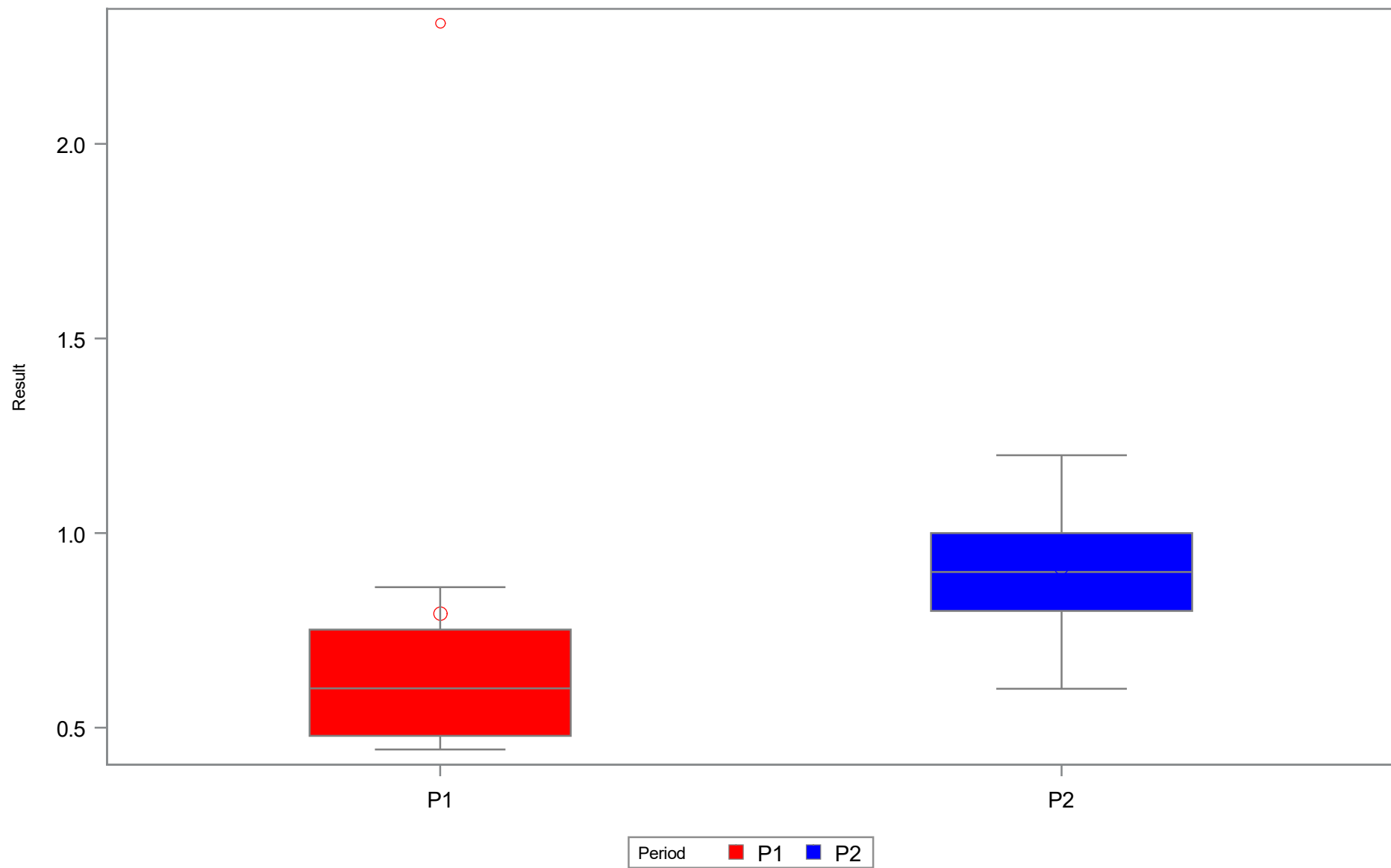
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Total Kjeldahl Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	9	0.44	0.48	0.79	0.60	0.75	2.31
P2	10	0.60	0.80	0.91	0.90	1.00	1.20

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

DRAFT

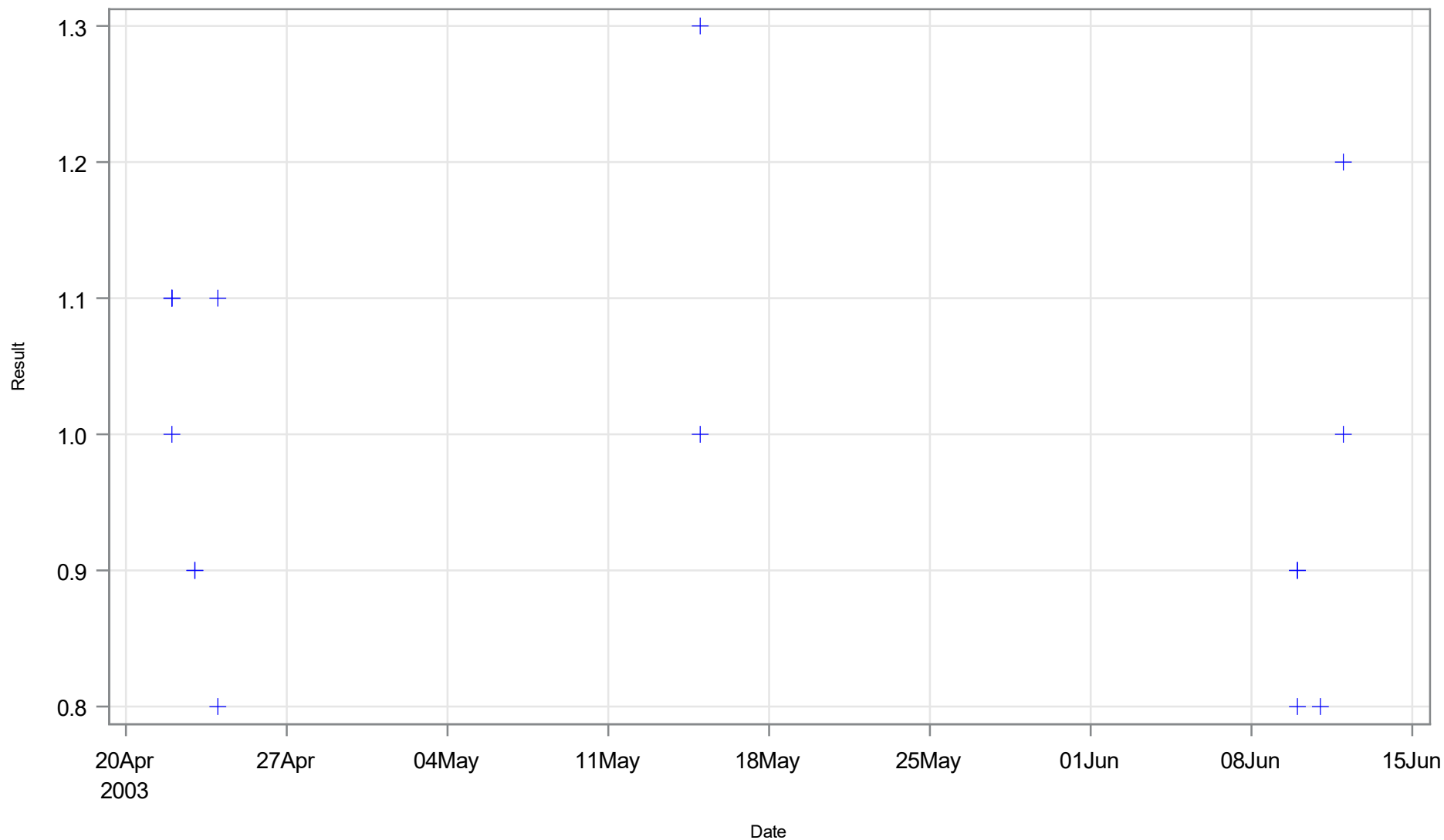
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Total Kjeldahl Nitrogen (mg/l)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater Total Kjeldahl Nitrogen (mg/l)



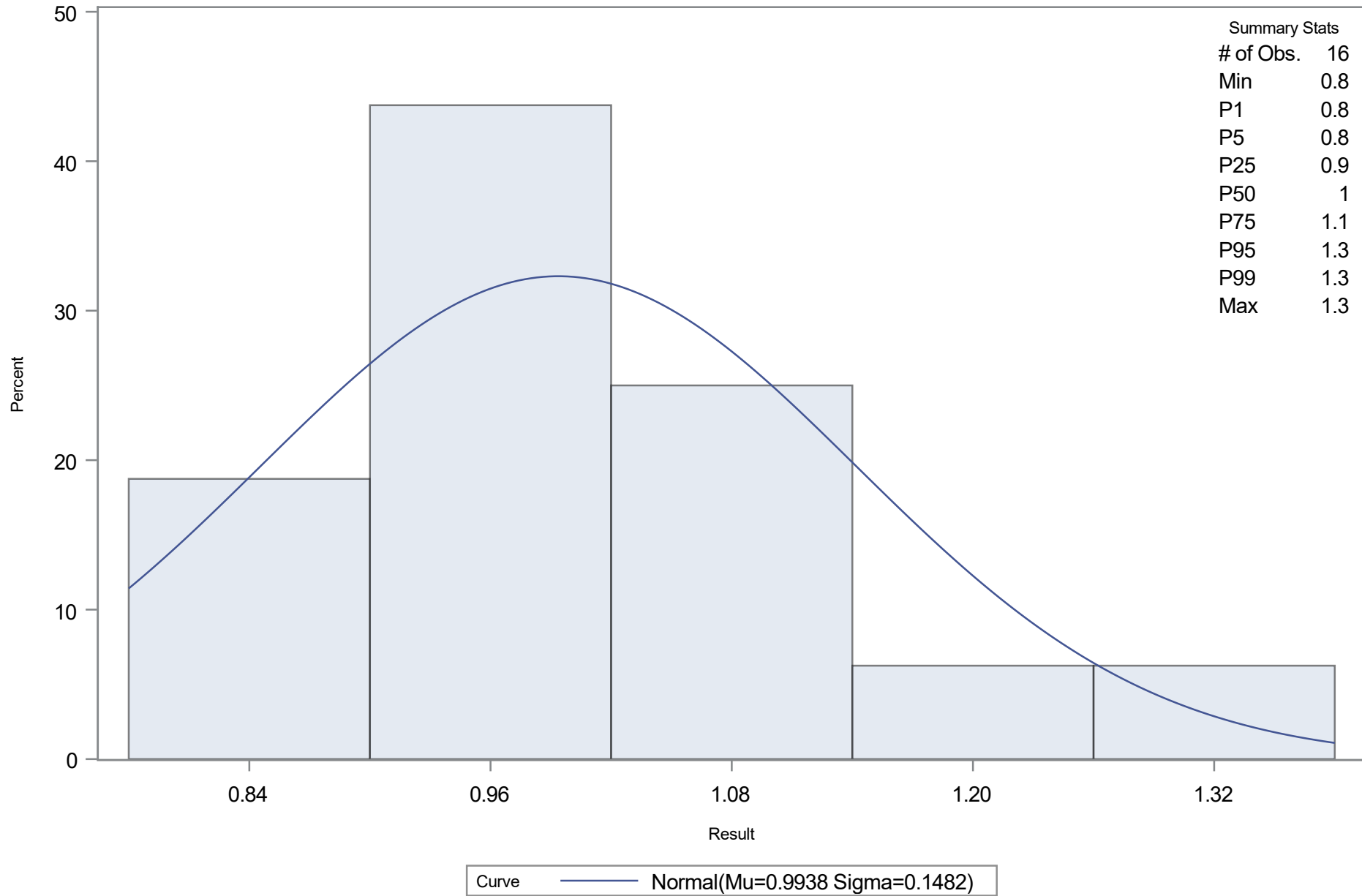
Period + P2

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Midwater Total Kjeldahl Nitrogen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.99375
Std Dev	Sigma	0.148183

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.17402273	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.07113152	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.44396556	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.80000	0.64902
5.0	0.80000	0.75001
10.0	0.80000	0.80385
25.0	0.90000	0.89380
50.0	1.00000	0.99375
75.0	1.10000	1.09370
90.0	1.20000	1.18365
95.0	1.30000	1.23749
99.0	1.30000	1.33848

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

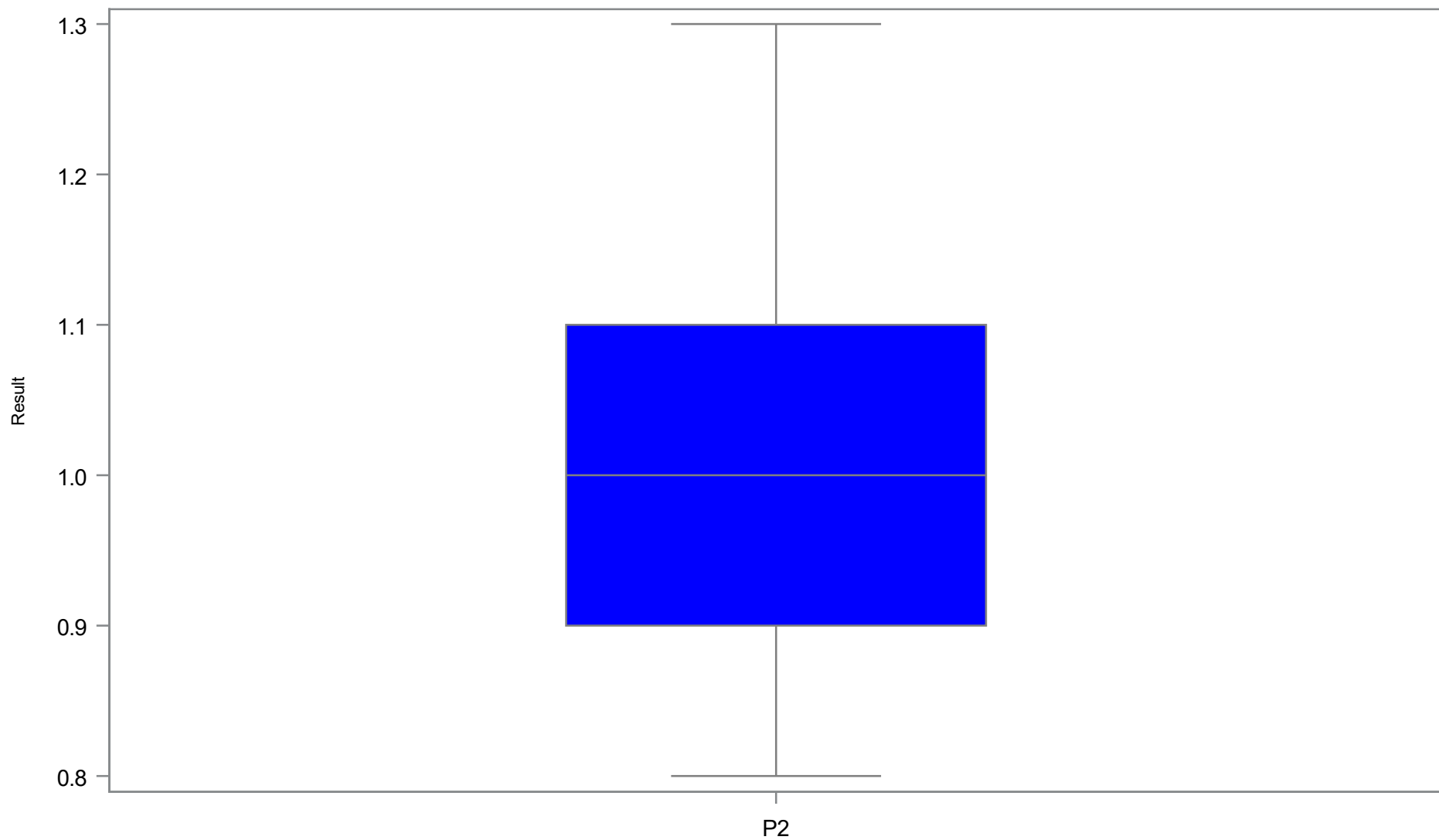
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Total Kjeldahl Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	16	0.80	0.90	0.99	1.00	1.10	1.30

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Midwater Total Kjeldahl Nitrogen (mg/l)



Period ■ P2

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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Total Kjeldahl Nitrogen (mg/l)

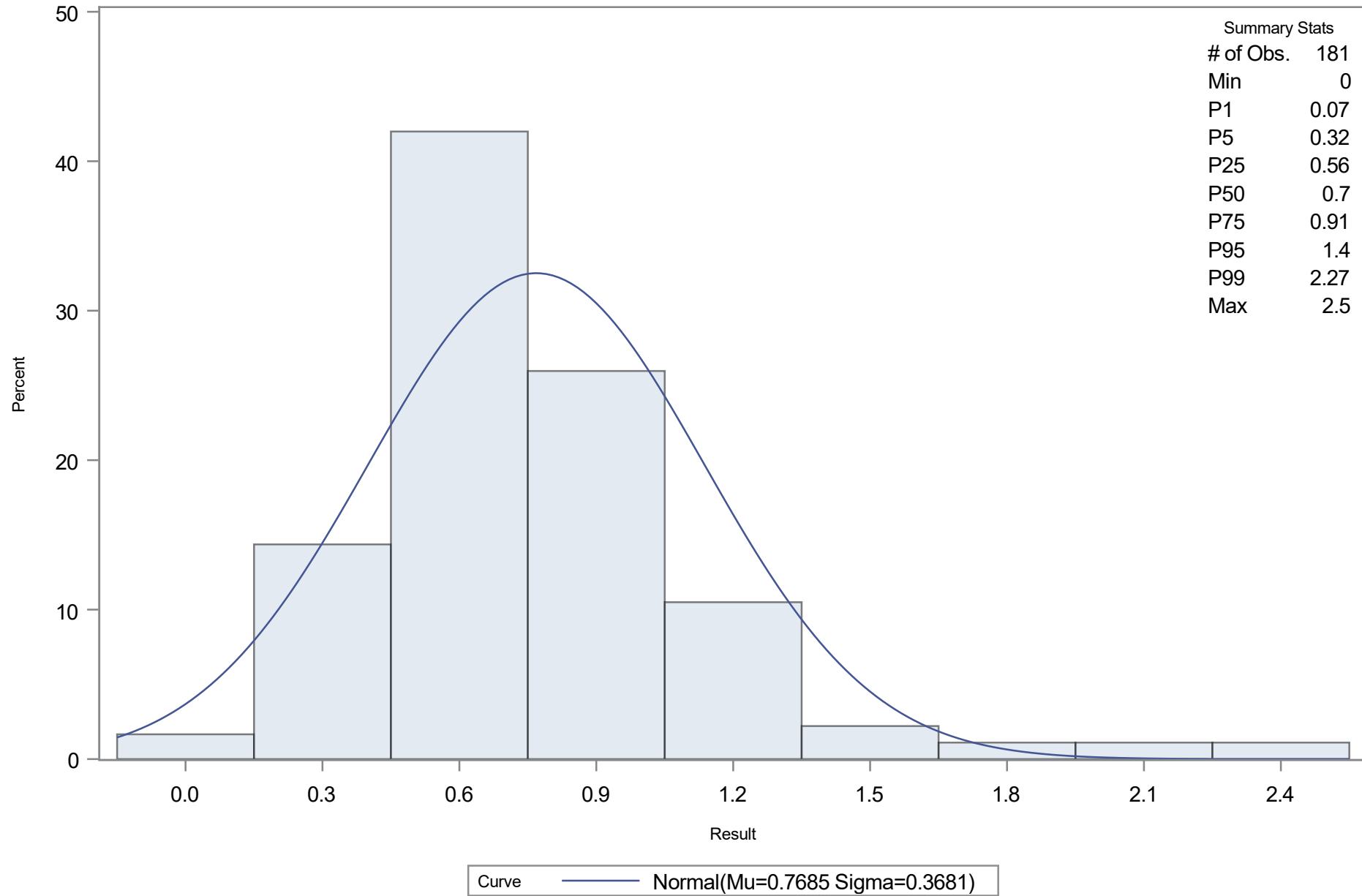


Period ○ P1 + P2 □ P3 ◇ P4 × P5

Period of Record: January 1996 through December 2023

Analysis Days Only

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.768453
Std Dev	Sigma	0.368126

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.13729392	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.66968671	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	4.15068452	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.07000	-0.08794
5.0	0.32000	0.16294
10.0	0.39200	0.29668
25.0	0.56000	0.52016
50.0	0.70000	0.76845
75.0	0.91000	1.01675
90.0	1.12000	1.24023
95.0	1.40000	1.37397
99.0	2.27000	1.62484

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

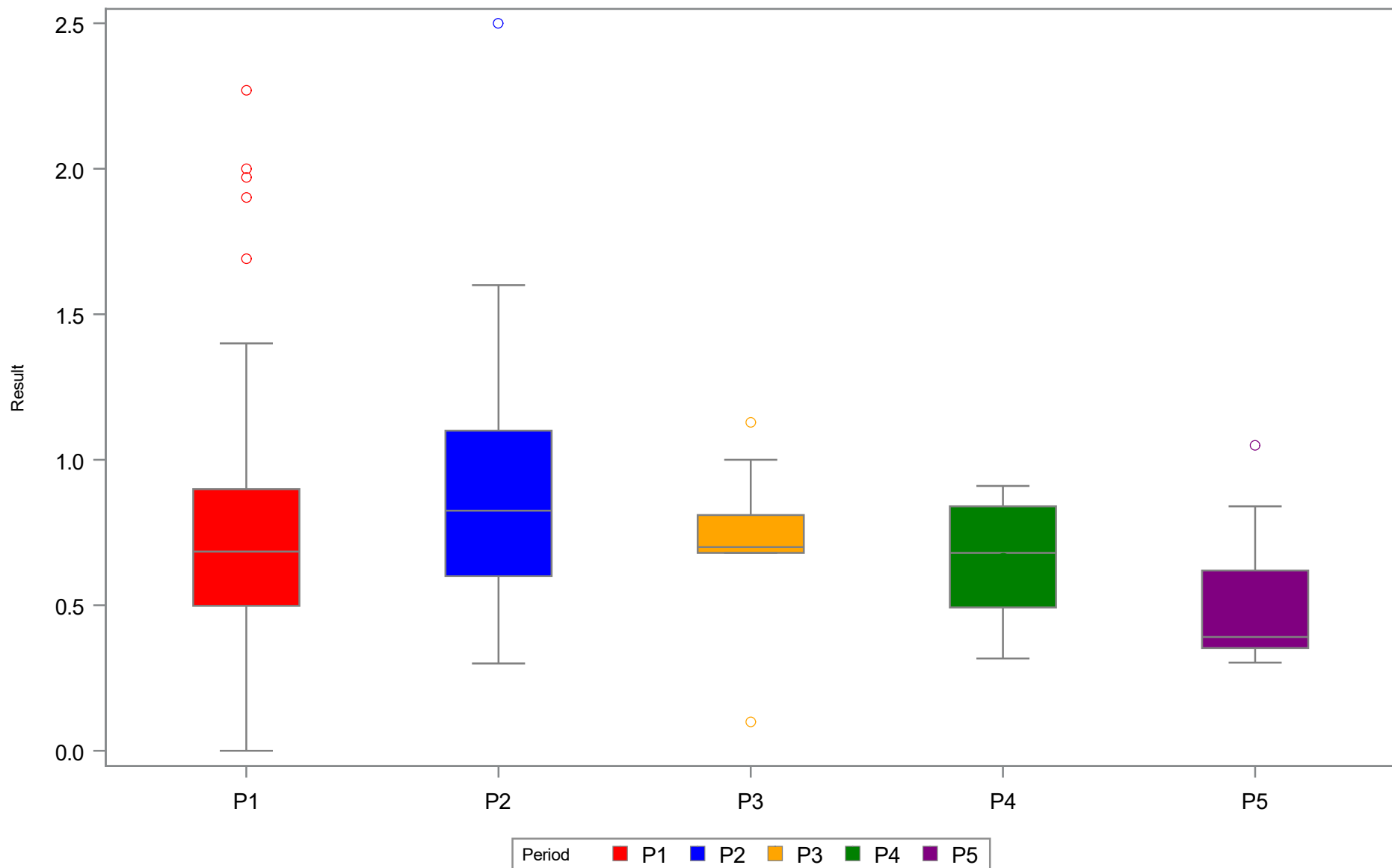
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Total Kjeldahl Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	86	0.00	0.50	0.76	0.68	0.90	2.27
P2	50	0.30	0.60	0.89	0.83	1.10	2.50
P3	21	0.10	0.68	0.75	0.70	0.81	1.13
P4	12	0.32	0.49	0.66	0.68	0.84	0.91
P5	12	0.30	0.35	0.51	0.39	0.62	1.05

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface Total Kjeldahl Nitrogen (mg/l)



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

DRAFT

Timeseries of Upper Hillsborough River Surface Total Kjeldahl Nitrogen (mg/l)



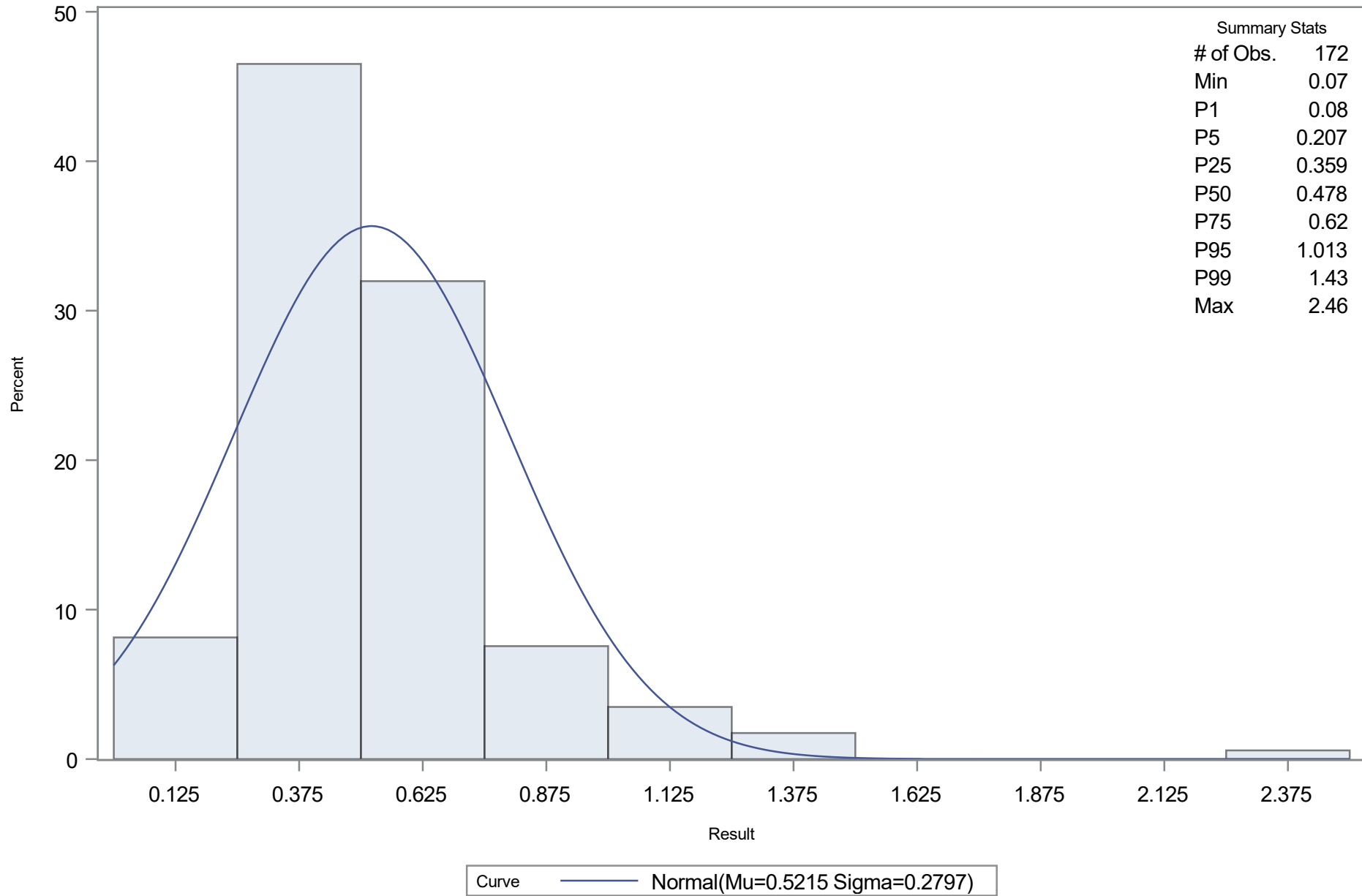
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Total Kjeldahl Nitrogen (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.521453
Std Dev	Sigma	0.279654

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.13964832	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.00365478	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	5.96409220	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.08000	-0.12912
5.0	0.20700	0.06146
10.0	0.25600	0.16306
25.0	0.35900	0.33283
50.0	0.47800	0.52145
75.0	0.62000	0.71008
90.0	0.81000	0.87984
95.0	1.01300	0.98144
99.0	1.43000	1.17203

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

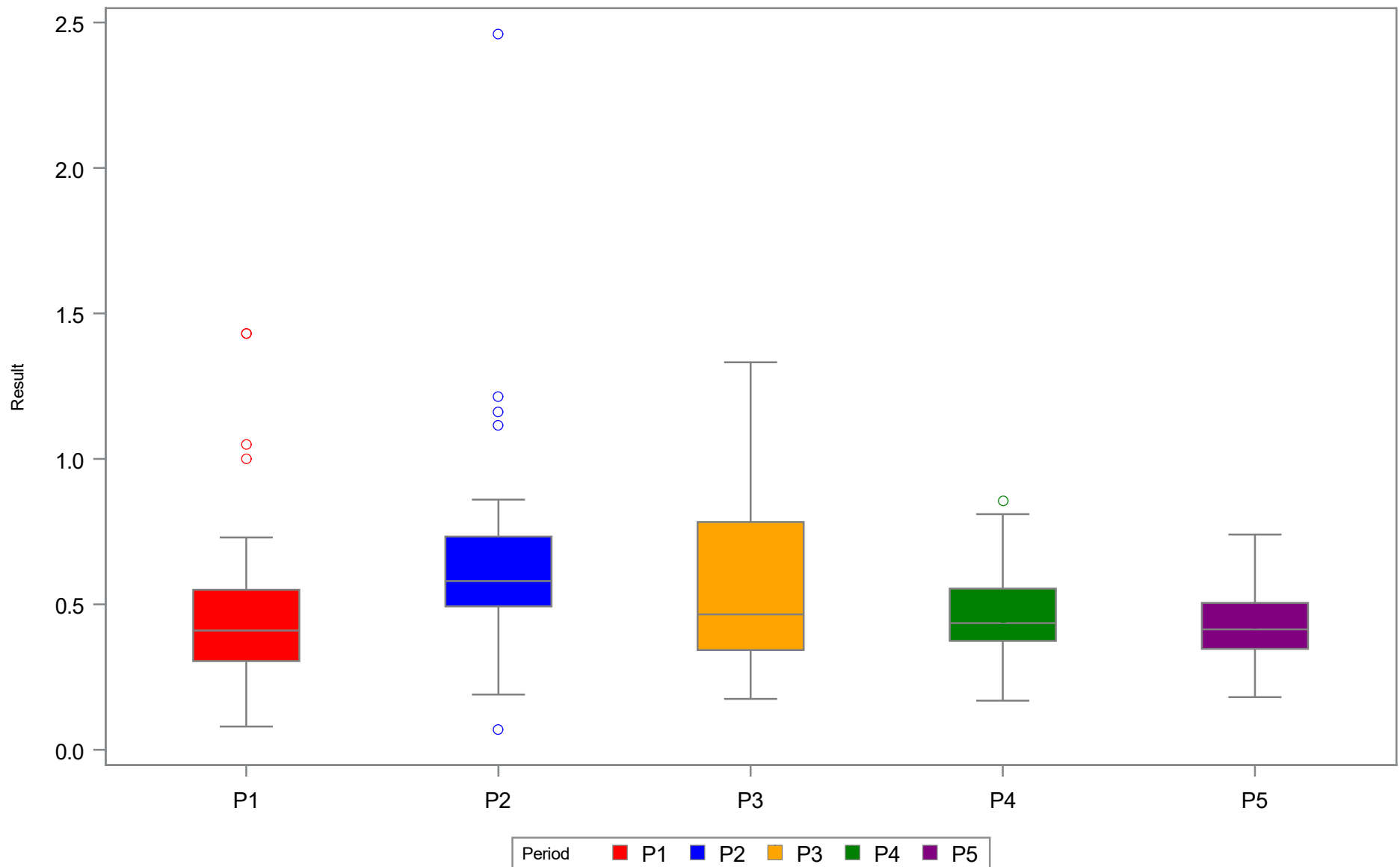
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Total Kjeldahl Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	0.08	0.31	0.48	0.41	0.55	1.43
P2	41	0.07	0.49	0.65	0.58	0.73	2.46
P3	26	0.18	0.34	0.55	0.47	0.78	1.33
P4	28	0.17	0.37	0.46	0.44	0.55	0.85
P5	33	0.18	0.35	0.44	0.41	0.51	0.74

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

DRAFT

Boxplot by MFL Period for Upper Hillsborough River Surface Total Kjeldahl Nitrogen (mg/l)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Total Nitrogen (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

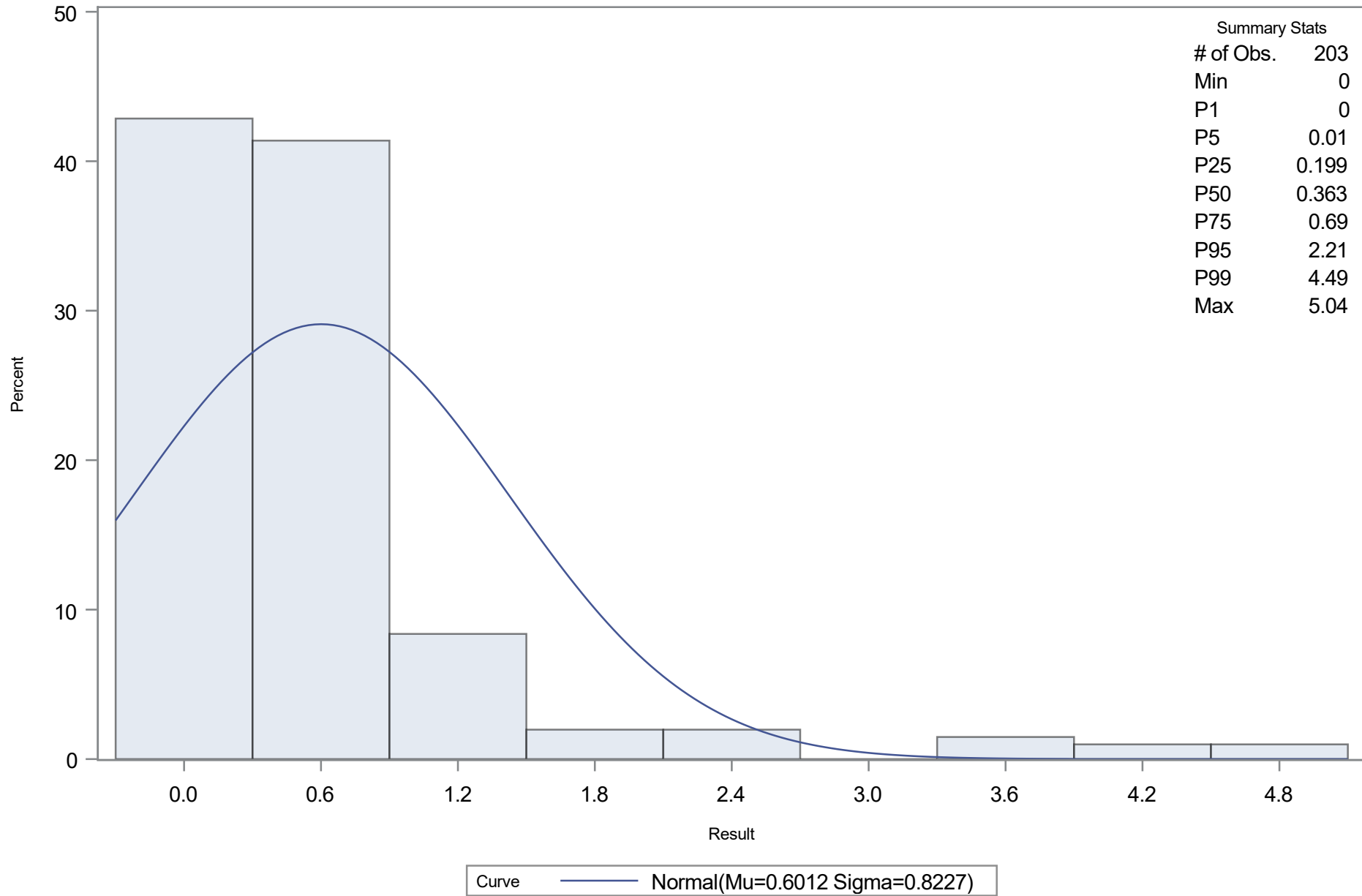
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Total Nitrogen (mg/l)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Surface Total Nitrogen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.601177
Std Dev	Sigma	0.822653

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2324572	Pr > D	<0.010
Cramer-von Mises	W-Sq	4.2580613	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	23.5394307	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-1.31260
5.0	0.01000	-0.75197
10.0	0.09900	-0.45310
25.0	0.19900	0.04631
50.0	0.36300	0.60118
75.0	0.69000	1.15605
90.0	1.14000	1.65545
95.0	2.21000	1.95432
99.0	4.49000	2.51495

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

DRAFT

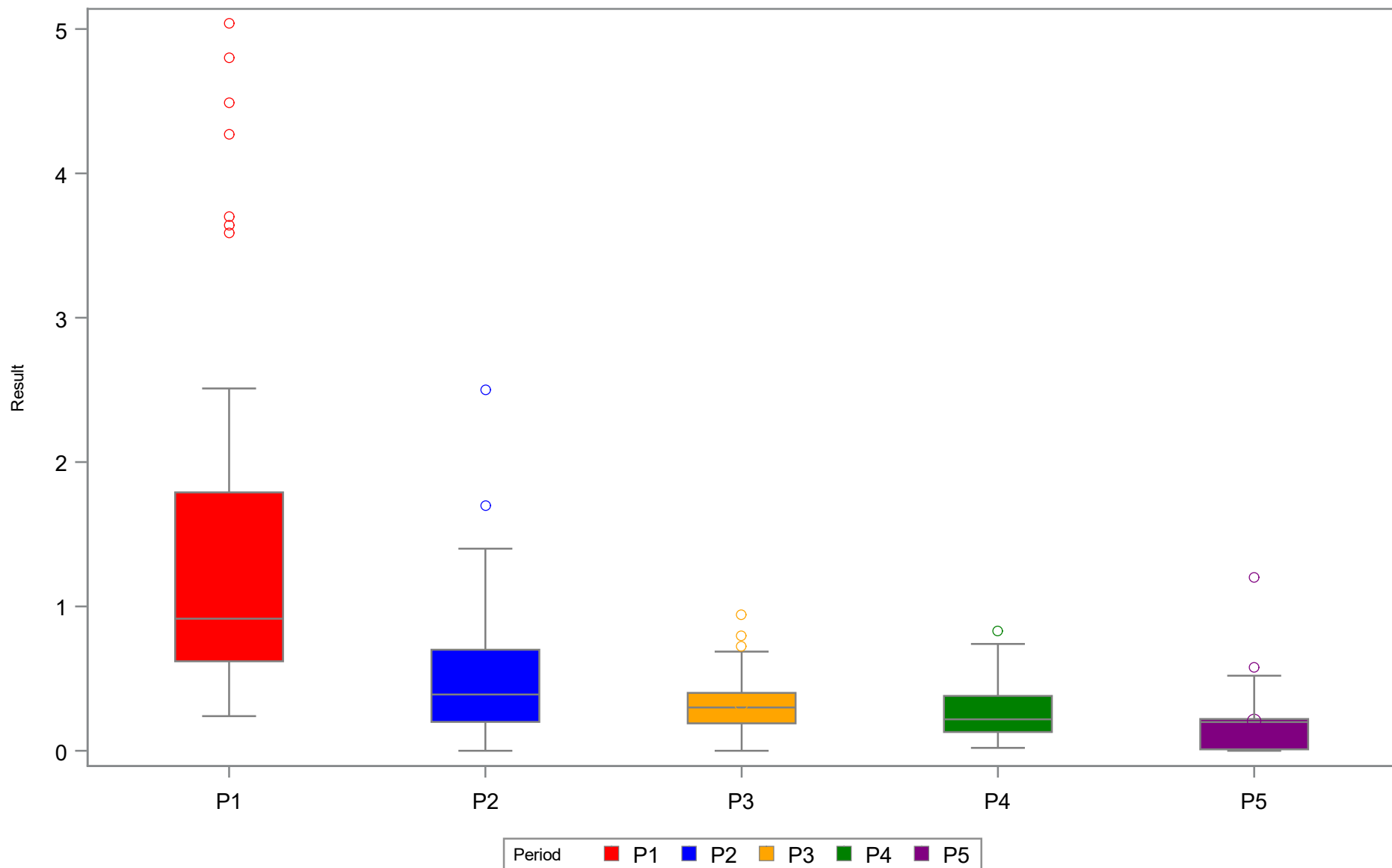
Distributional Statistics by Period for Sulphur Springs Run Surface Total Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.24	0.62	1.45	0.92	1.79	5.04
P2	51	0.00	0.20	0.50	0.39	0.70	2.50
P3	45	0.00	0.19	0.33	0.30	0.40	0.94
P4	34	0.02	0.13	0.29	0.22	0.38	0.83
P5	27	0.00	0.01	0.21	0.20	0.22	1.20

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

DRAFT

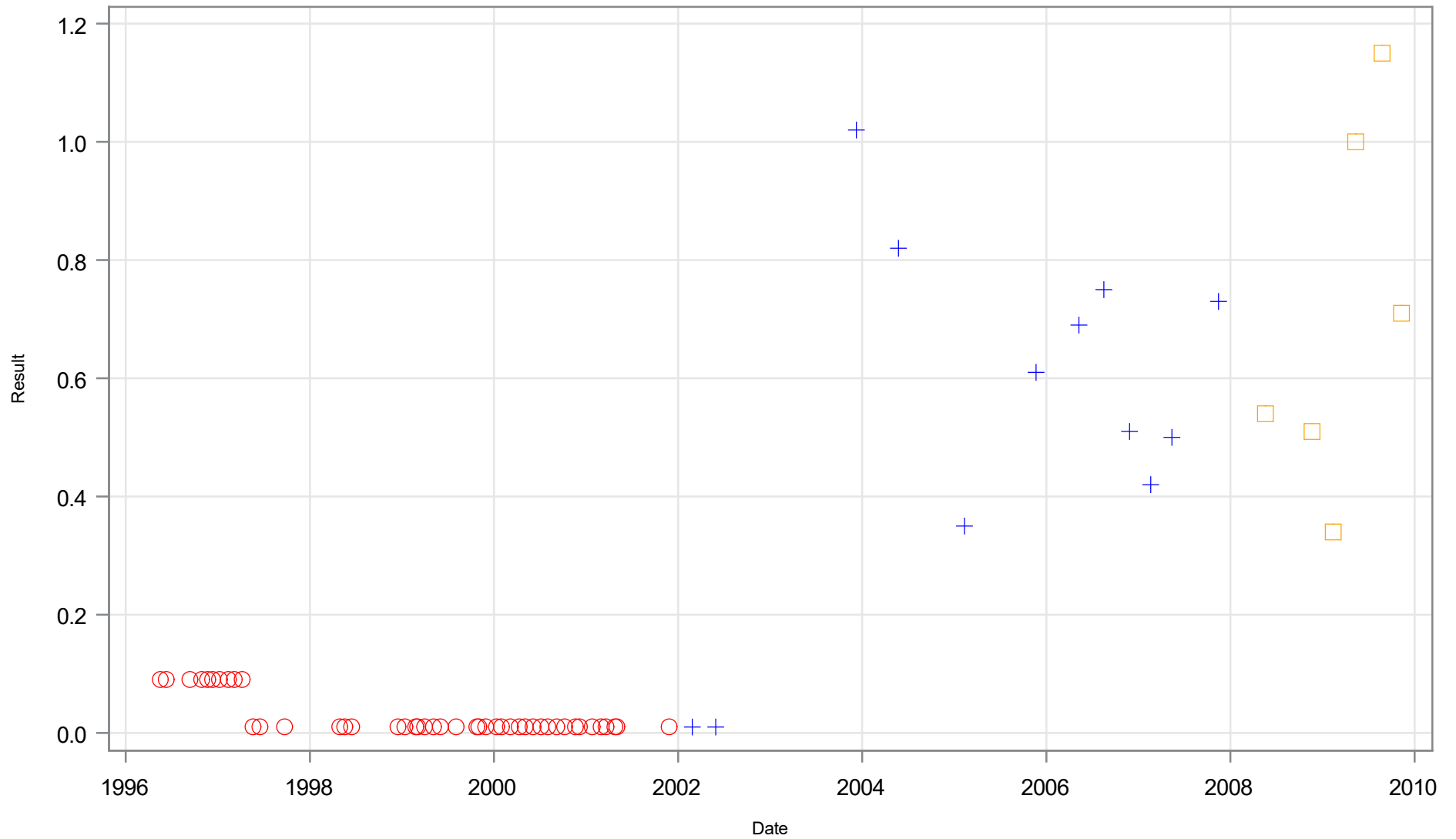
Boxplot by MFL Period for Sulphur Springs Run Surface Total Nitrogen (mg/l)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Total Nitrogen (mg/l)



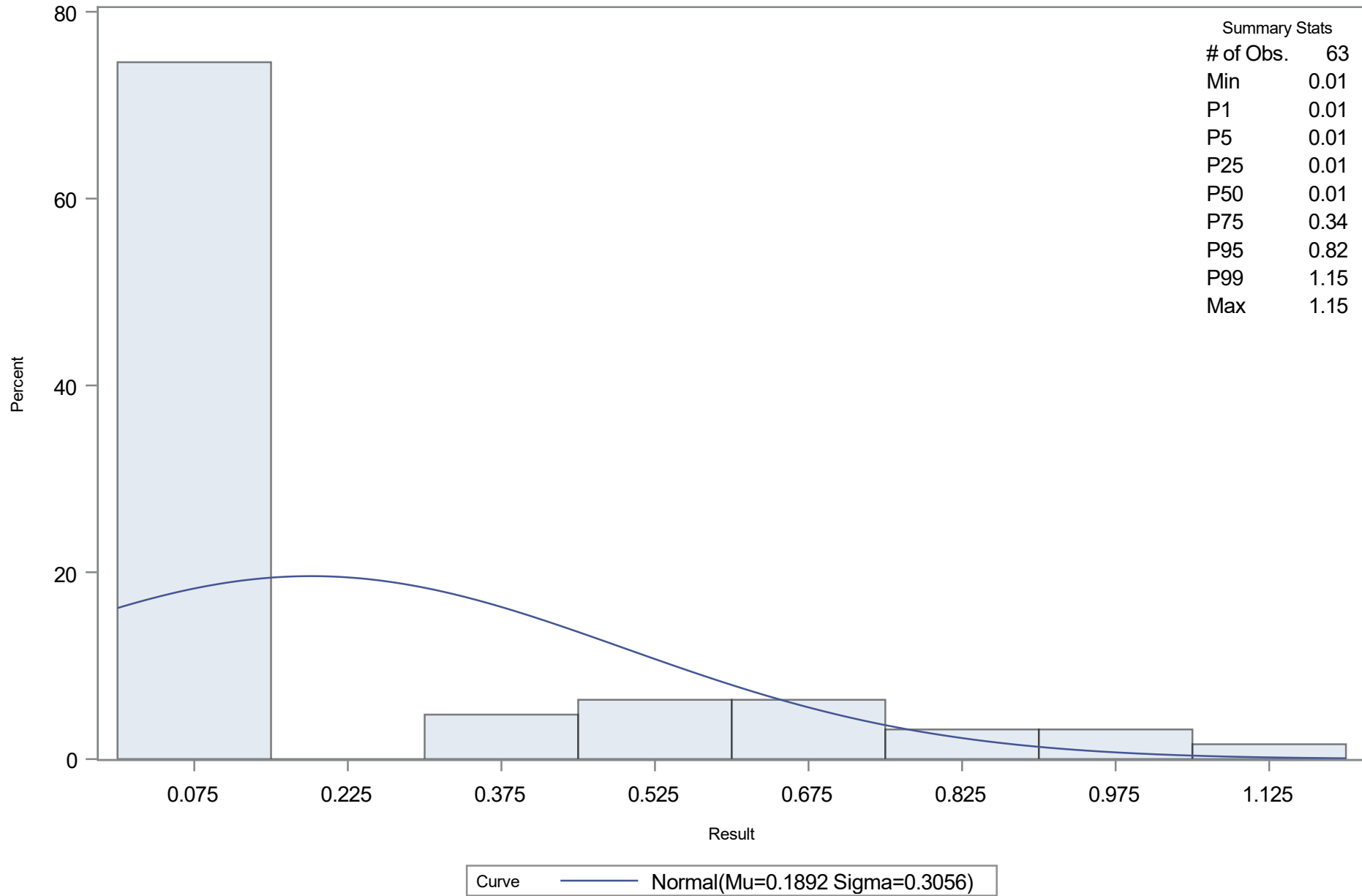
Period ○ P1 + P2 □ P3

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Total Nitrogen (mg/l)

Distribution of Result



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

DRAFT**Univariate Histogram of Tampa Bypass Canal Surface Total Nitrogen (mg/l)****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		
Percent	Quantile	
	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

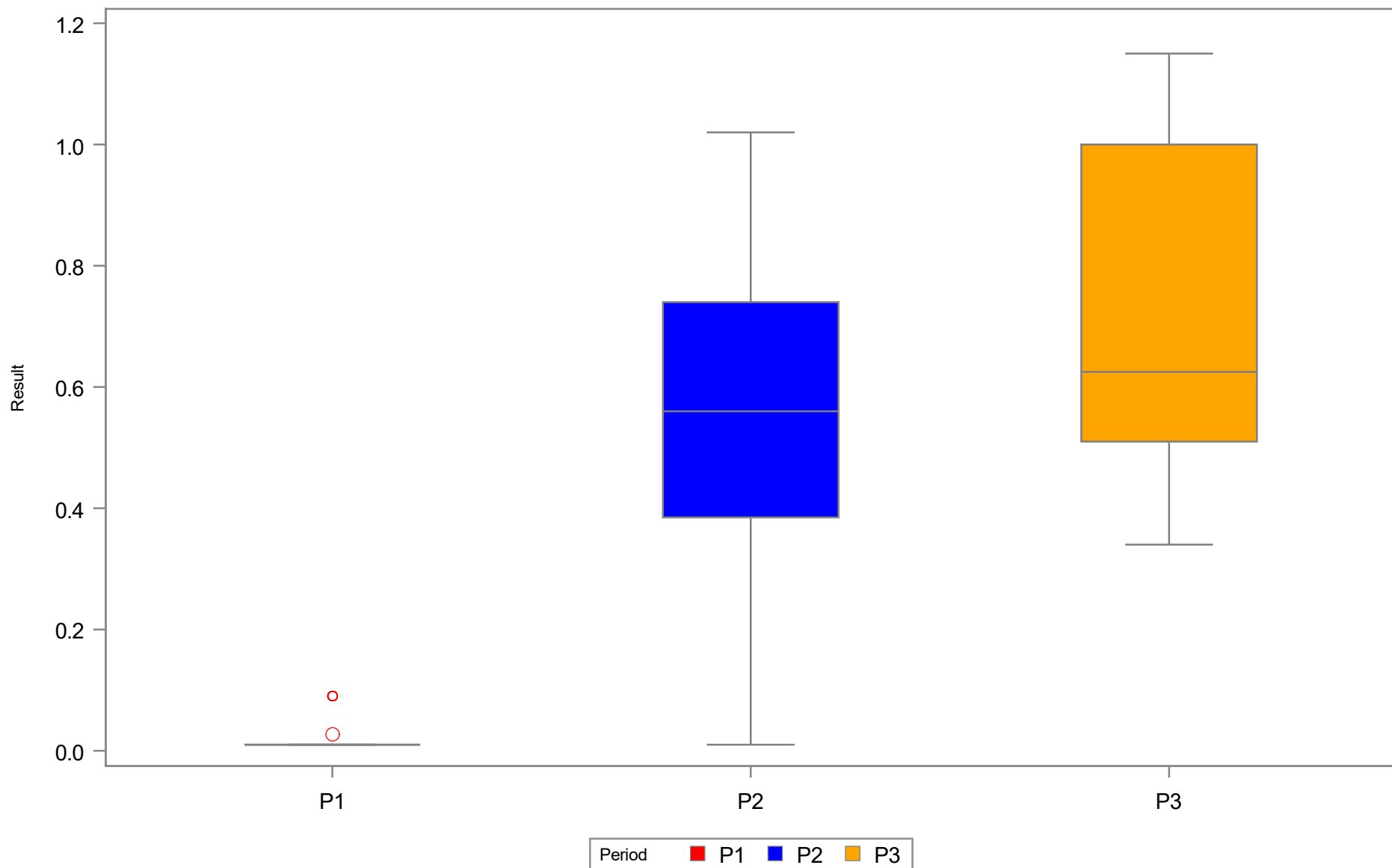
Distributional Statistics by Period for Tampa Bypass Canal Surface Total Nitrogen (mg/l)

	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

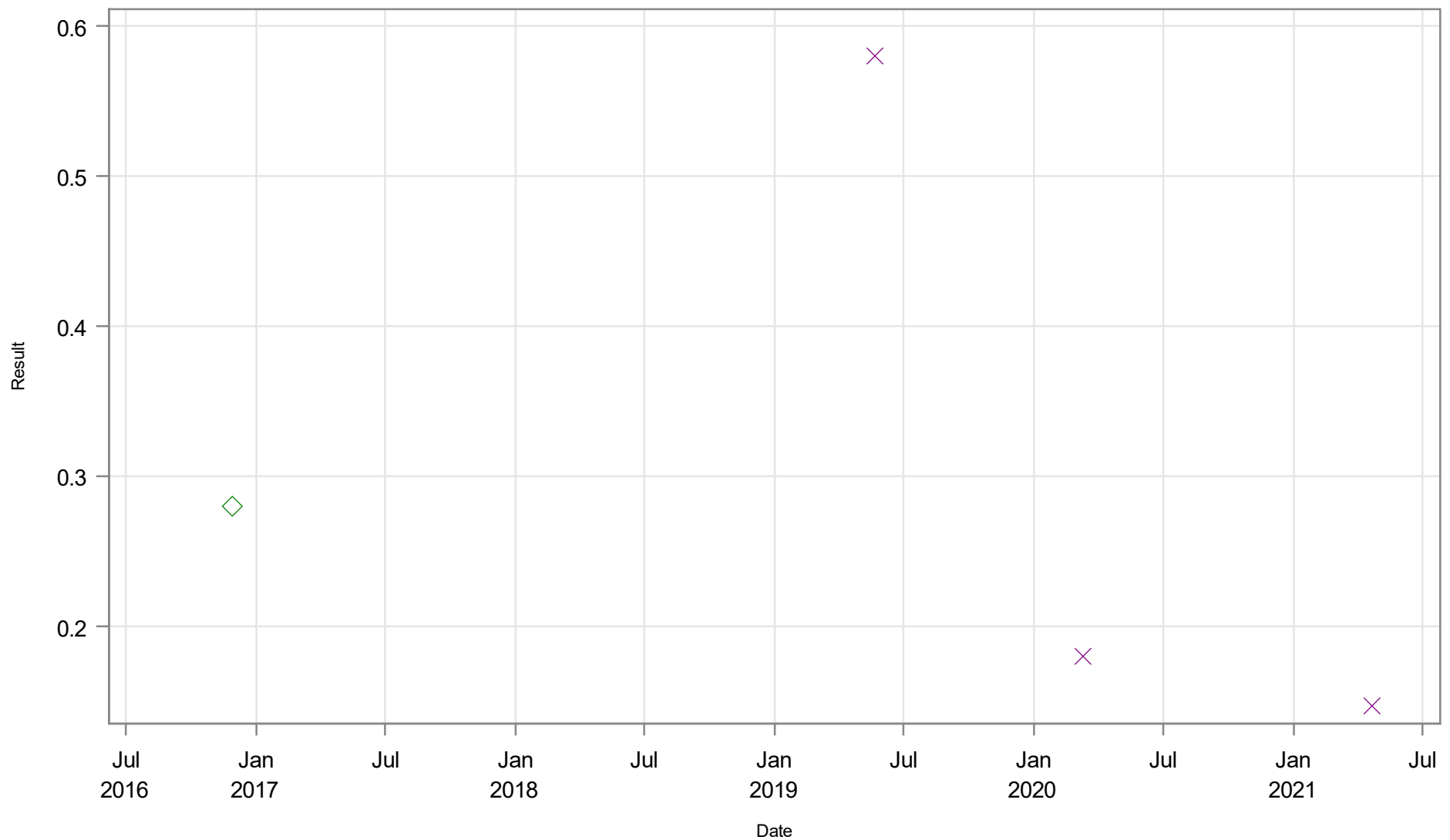
Boxplot by MFL Period for Tampa Bypass Canal Surface Total Nitrogen (mg/l)



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

DRAFT

Timeseries of Moris Bridge Sink Surface Total Nitrogen (mg/l)



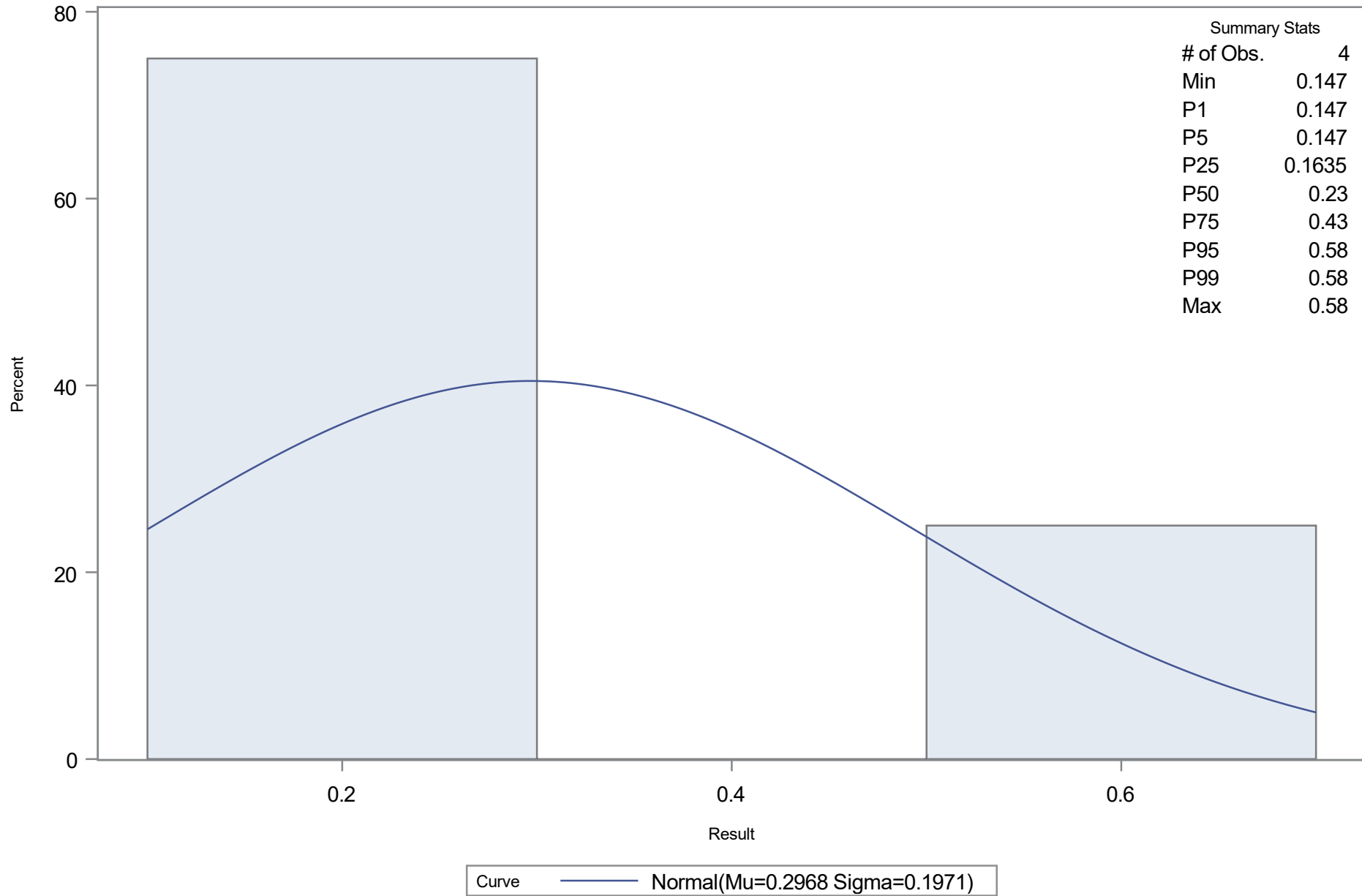
Period ◇ P4 × P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Total Nitrogen (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Total Nitrogen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.29675
Std Dev	Sigma	0.197118

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.28385913	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.06791572	Pr > W-Sq	0.236
Anderson-Darling	A-Sq	0.39419118	Pr > A-Sq	0.191

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.14700	-0.16182
5.0	0.14700	-0.02748
10.0	0.14700	0.04413
25.0	0.16350	0.16380
50.0	0.23000	0.29675
75.0	0.43000	0.42970
90.0	0.58000	0.54937
95.0	0.58000	0.62098
99.0	0.58000	0.75532

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

DRAFT

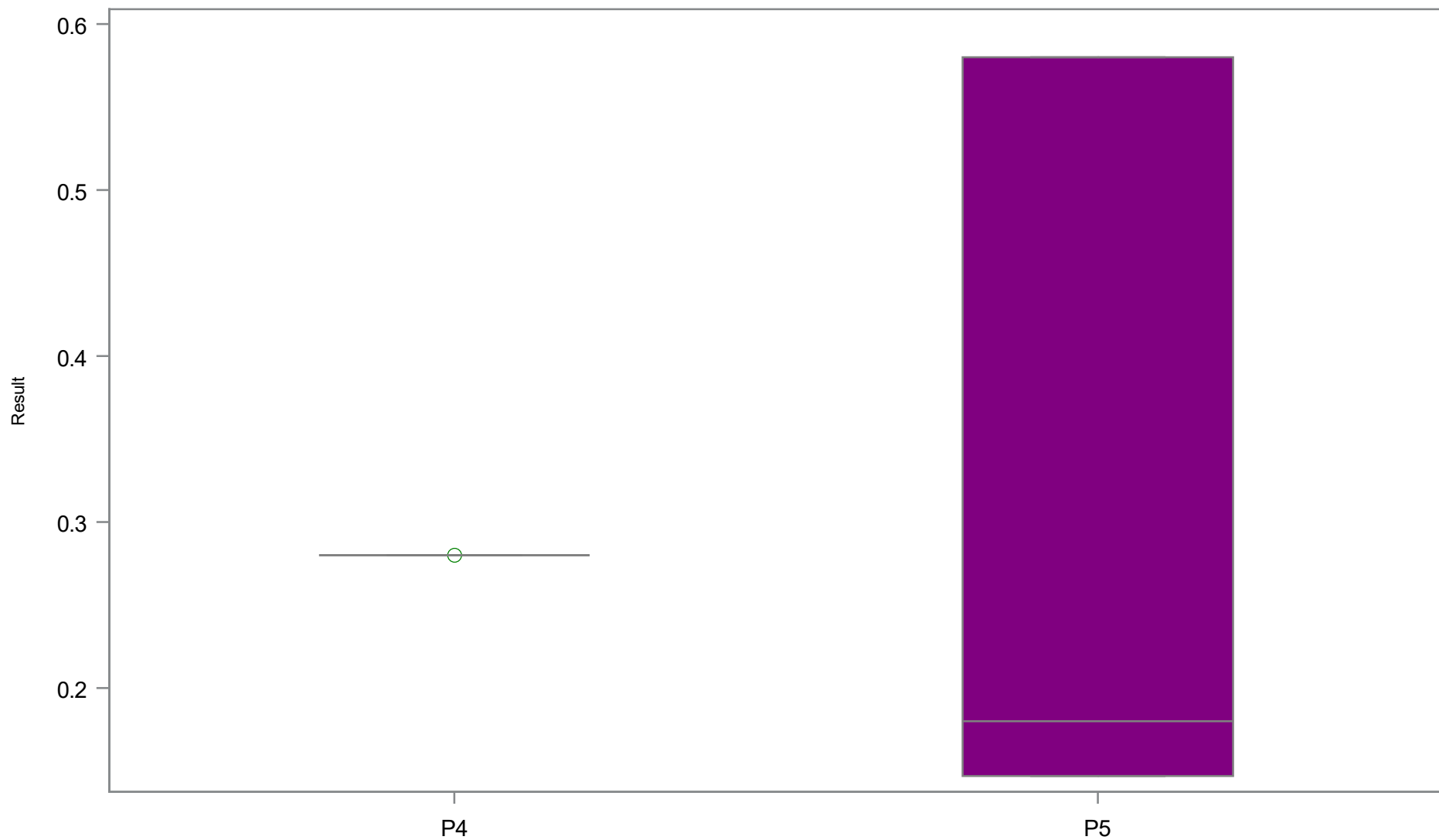
Distributional Statistics by Period for Moris Bridge Sink Surface Total Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	1	0.28	0.28	0.28	0.28	0.28	0.28
P5	3	0.15	0.15	0.30	0.18	0.58	0.58

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Total Nitrogen (mg/l)

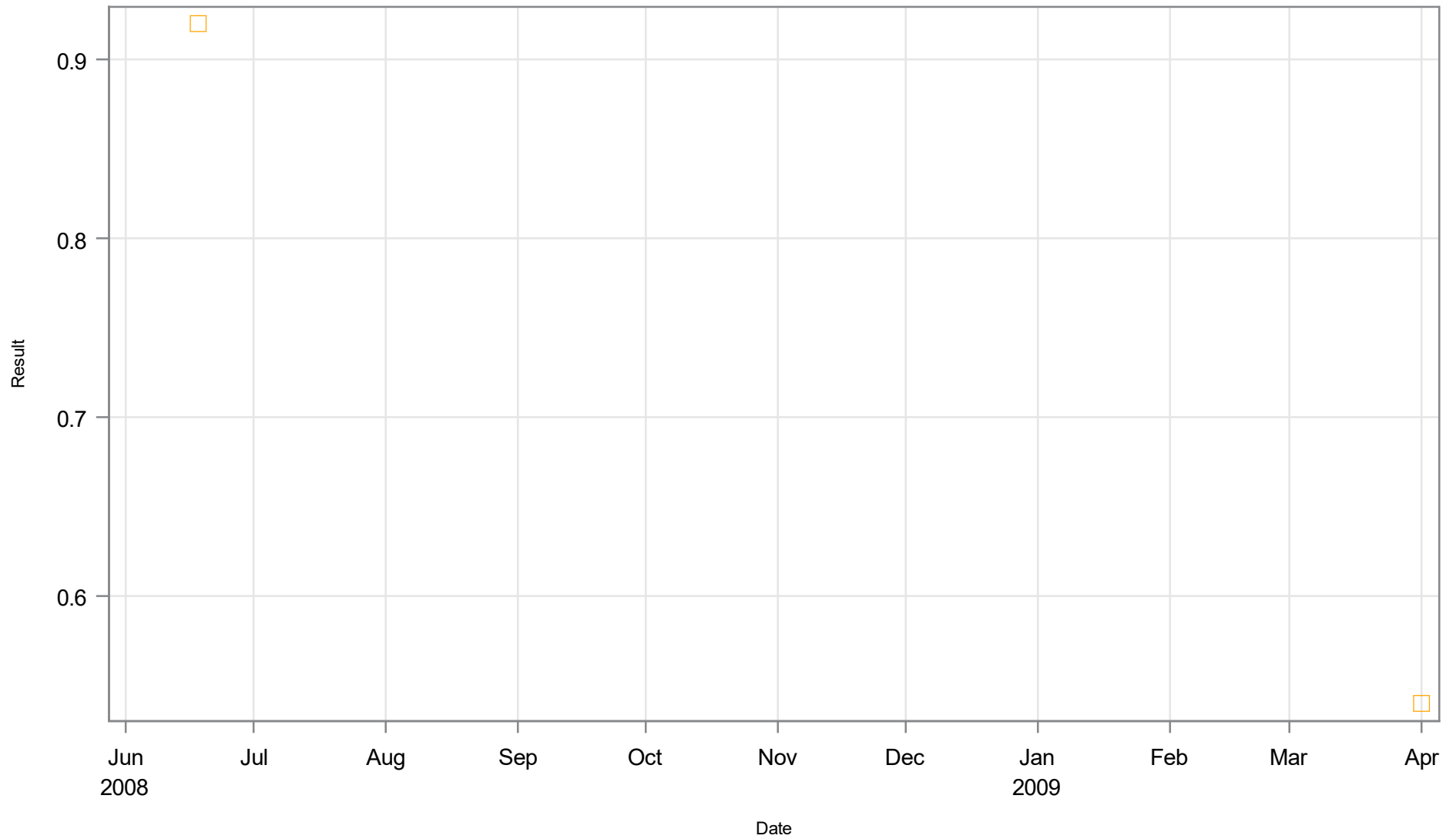


Period ■ P4 ■ P5

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

DRAFT

Timeseries of Surface Total Nitrogen (mg/l)

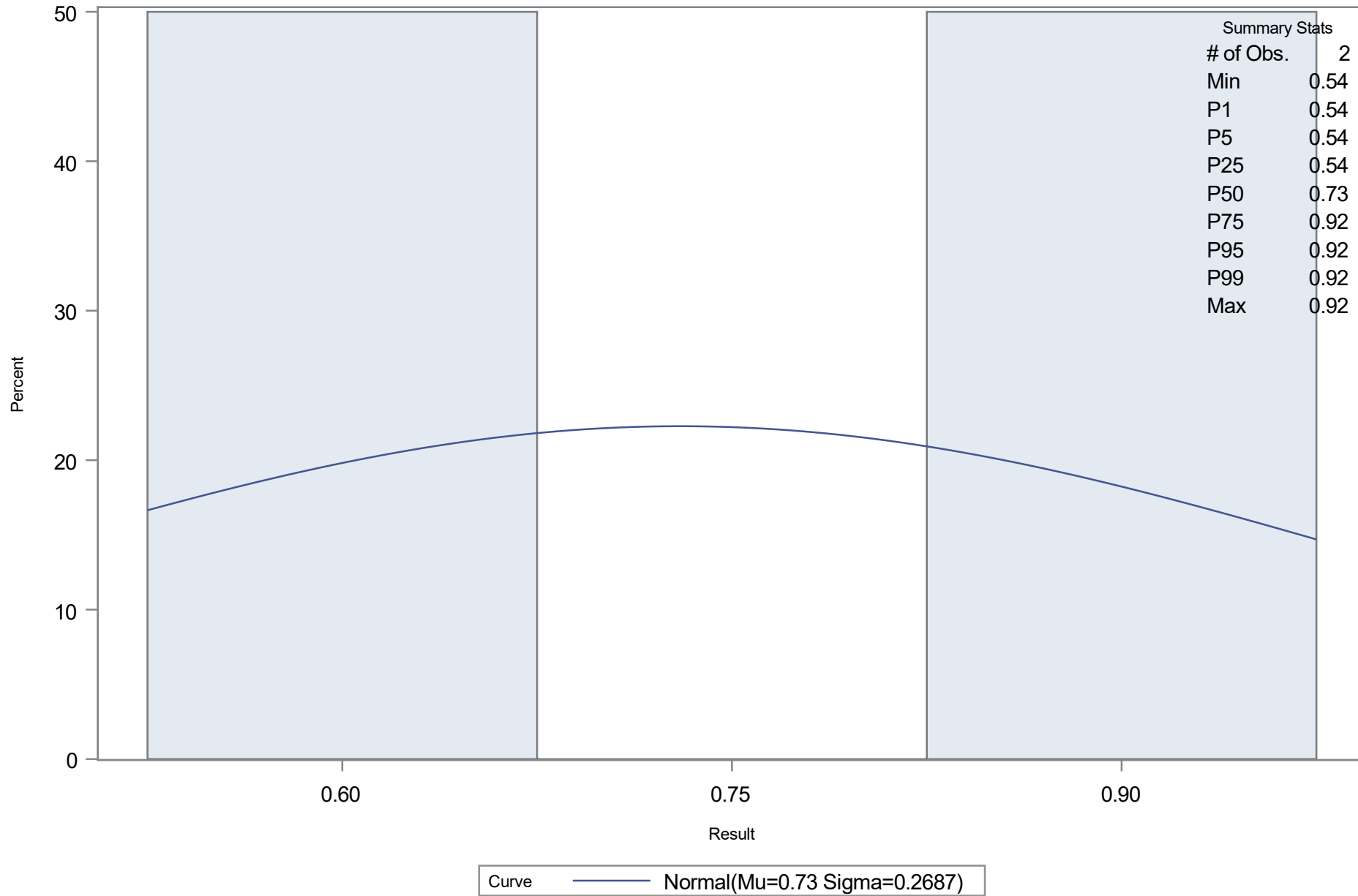


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Total Nitrogen (mg/l)

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		
Percent	Quantile	
	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

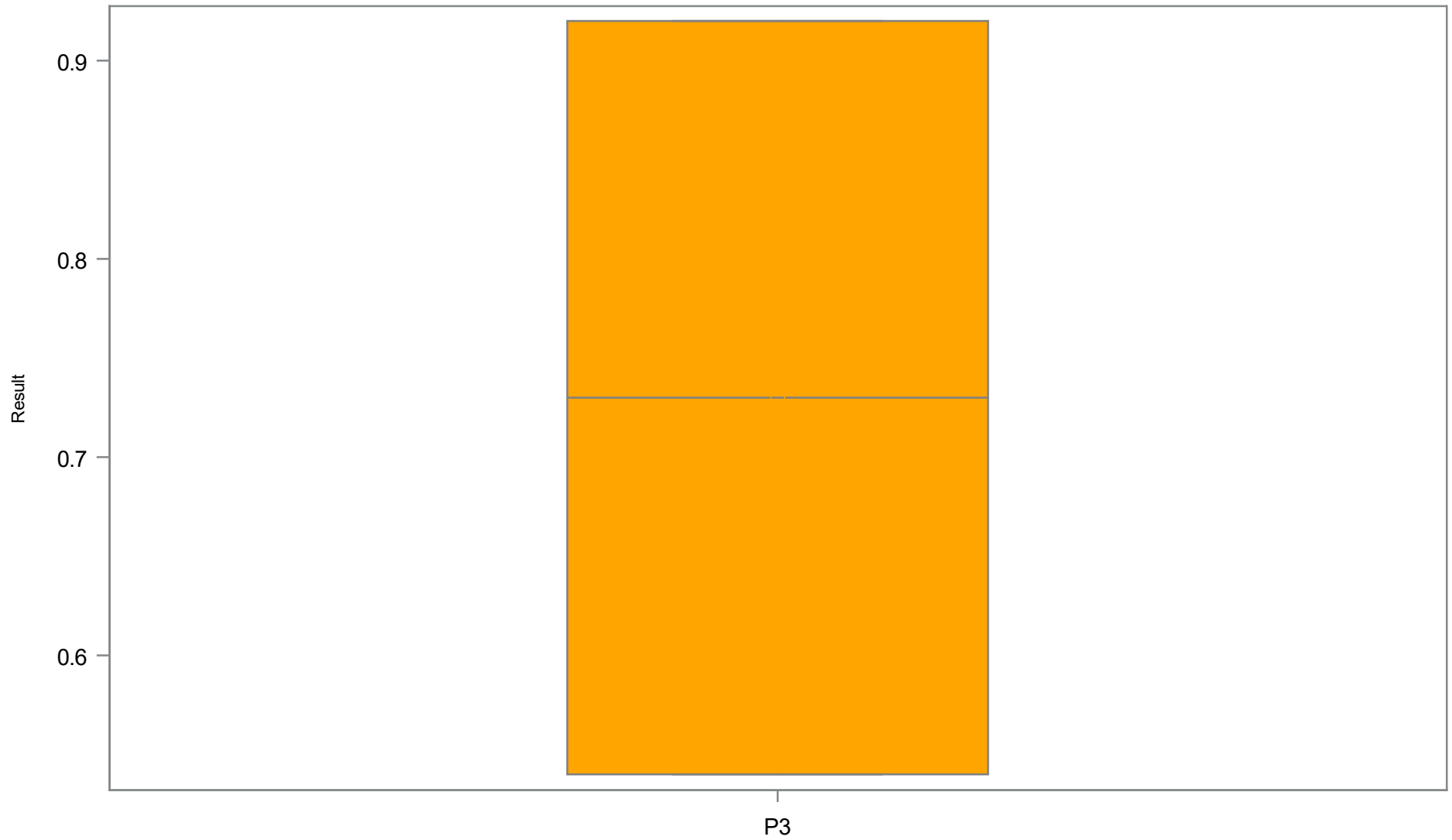
Distributional Statistics by Period for Surface Total Nitrogen (mg/l)

	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)

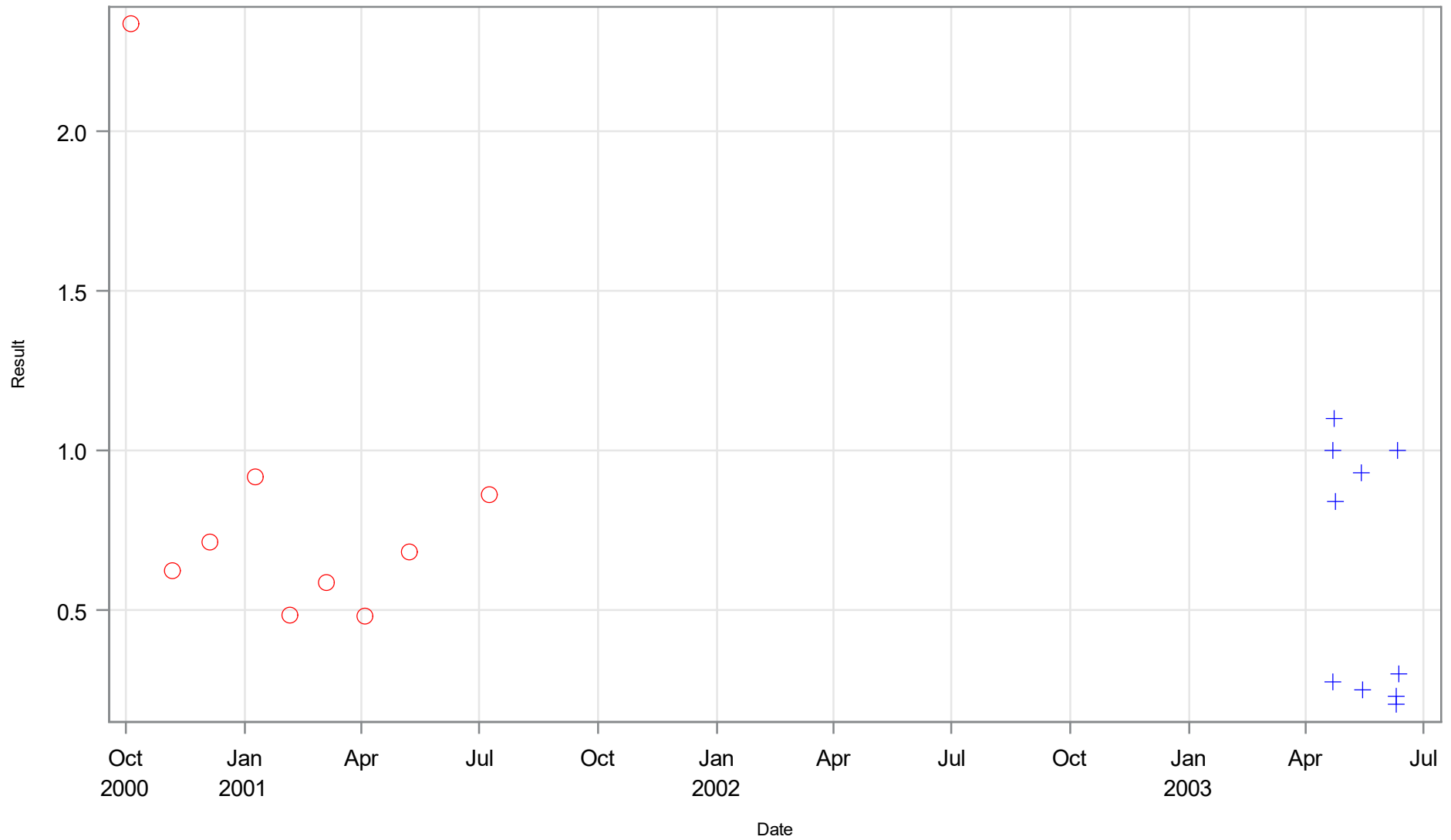


Period ■ P3

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

DRAFT

Timeseries of Hillsborough River Reservoir Bottom Total Nitrogen (mg/l)



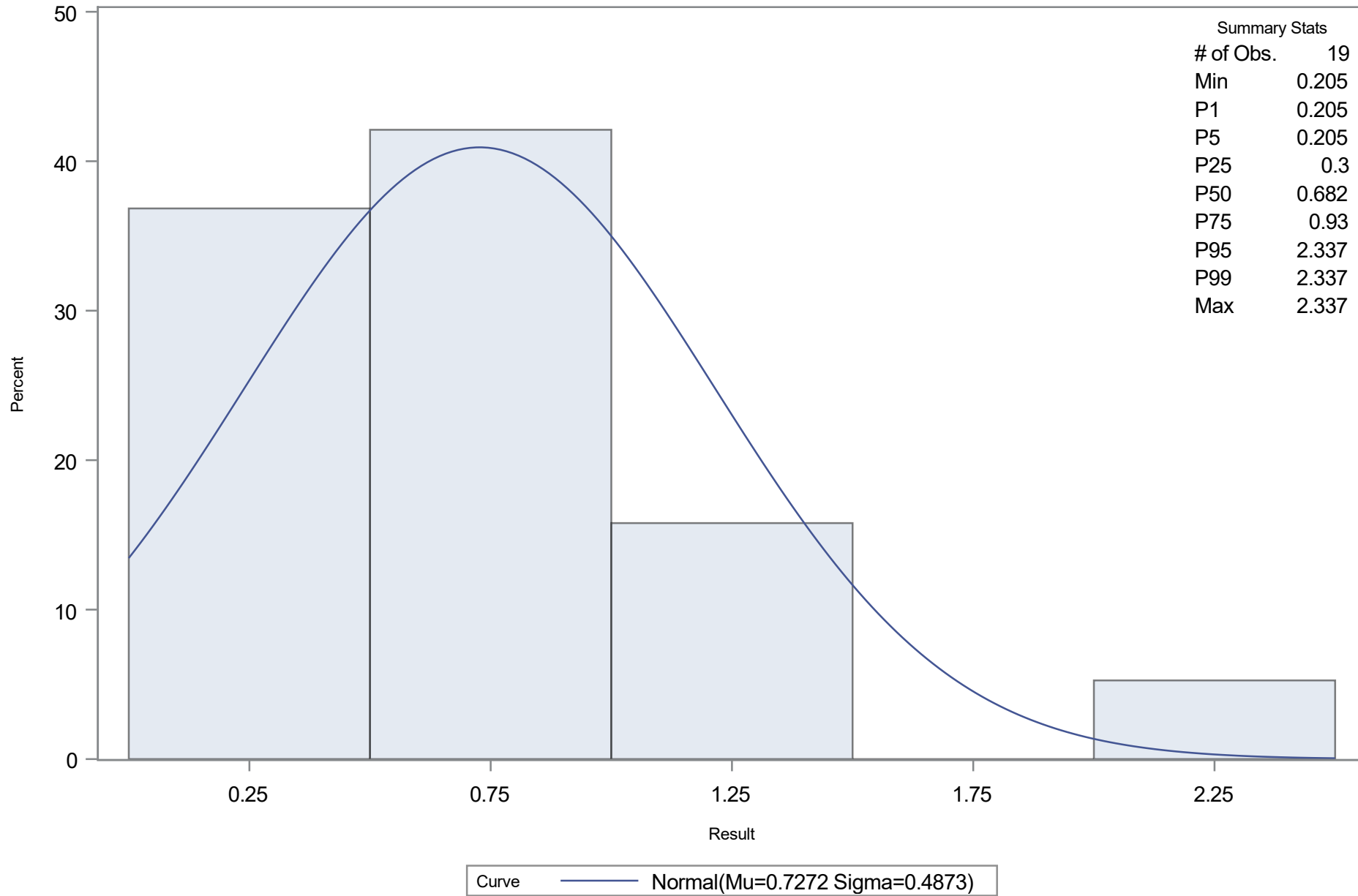
Period ○ P1 + P2

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Bottom Total Nitrogen (mg/l)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Bottom Total Nitrogen (mg/l)**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		
Percent	Quantile	
	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**

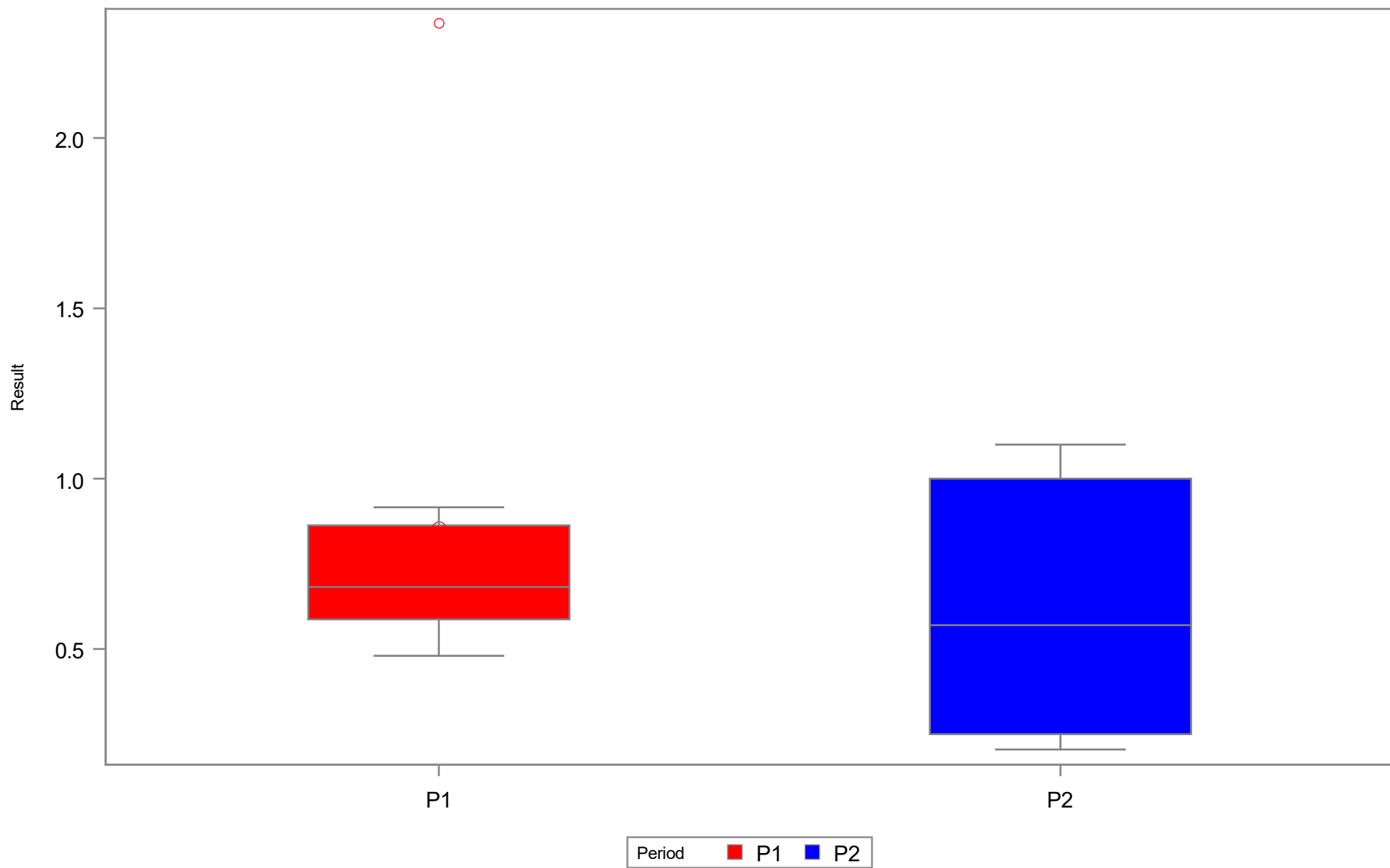
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Total Nitrogen (mg/l)

	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

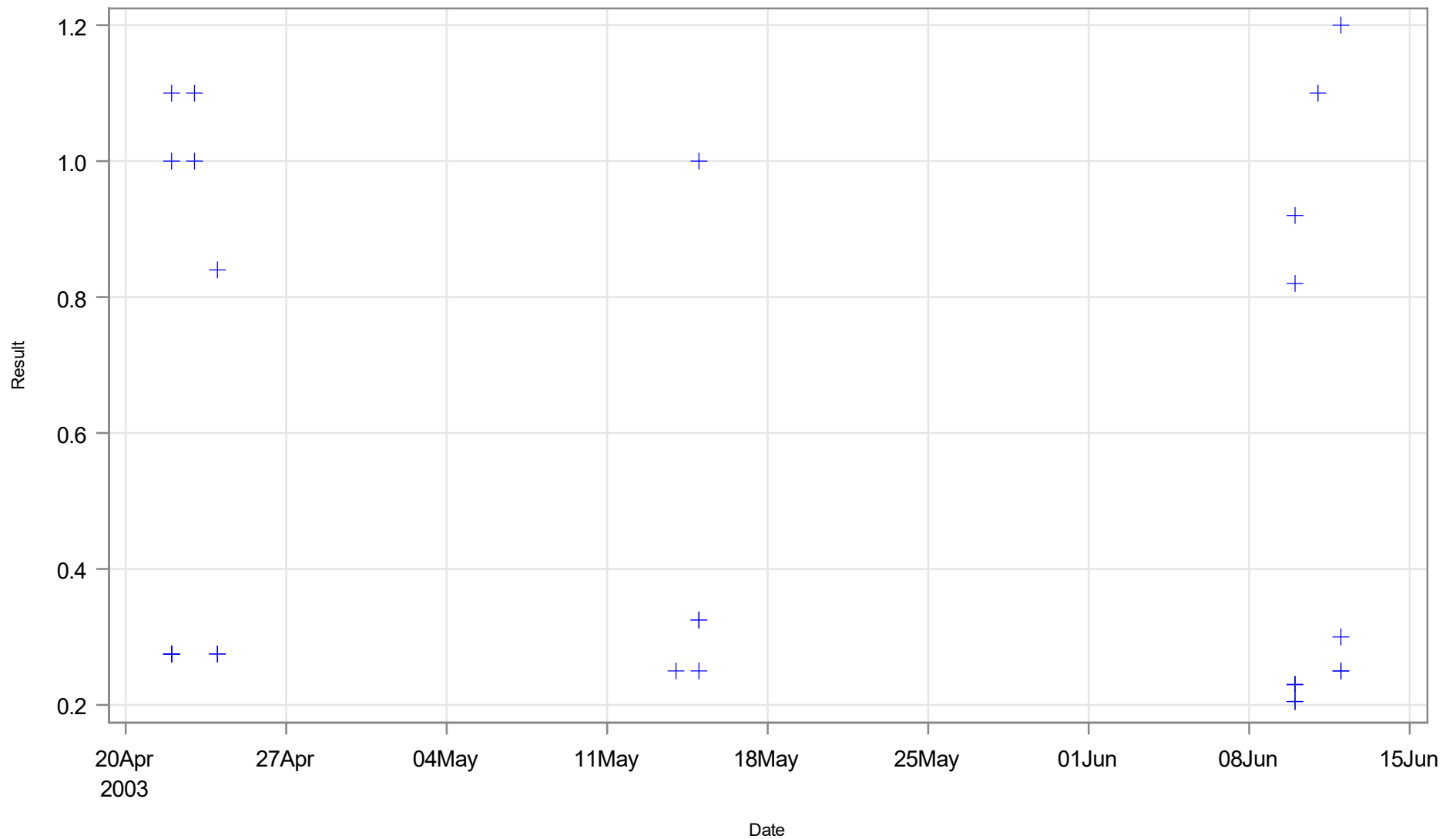
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Total Nitrogen (mg/l)



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

DRAFT

Timeseries of Hillsborough River Reservoir Midwater Total Nitrogen (mg/l)



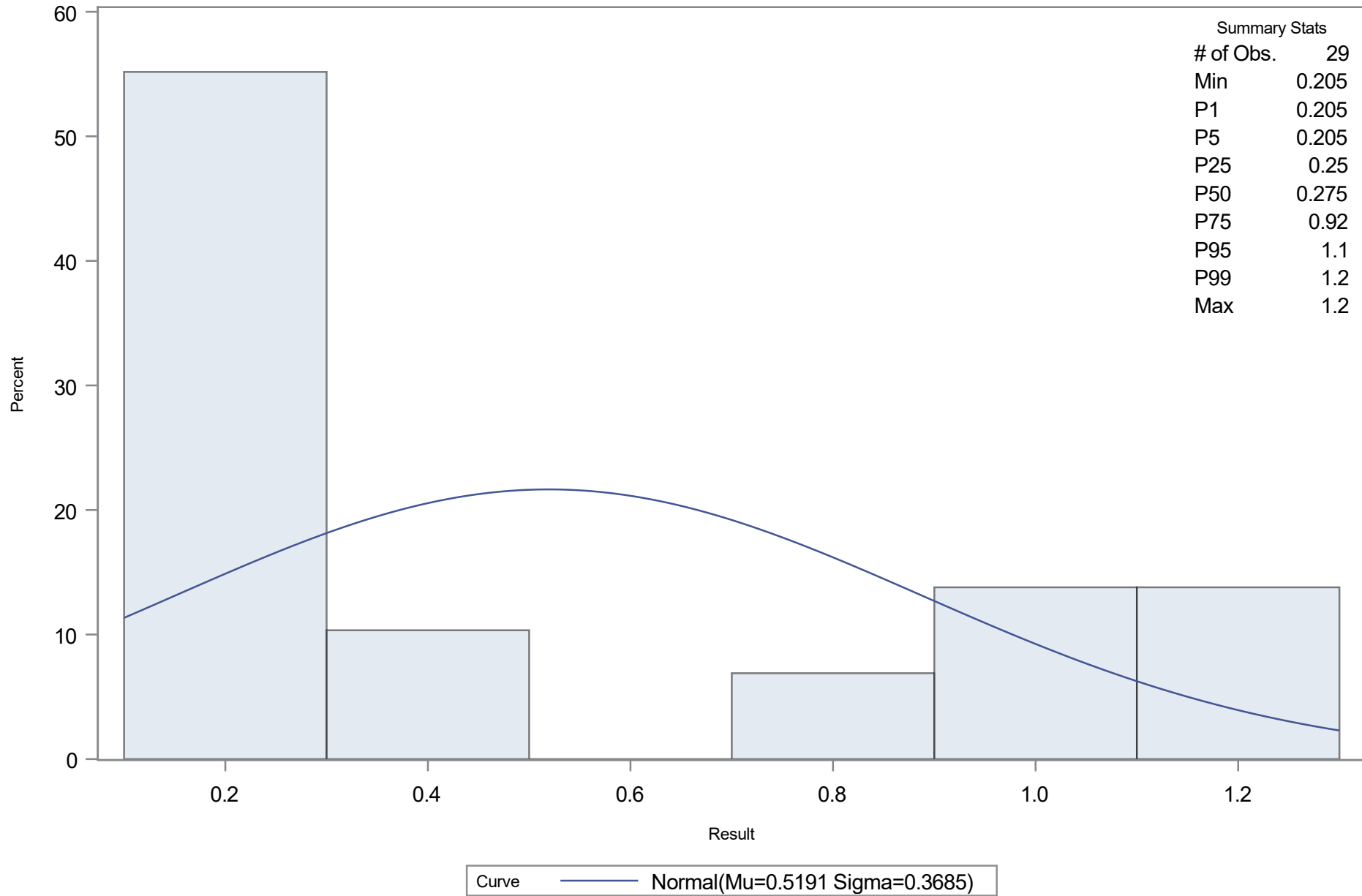
Period + P2

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

DRAFT

Univariate Histogram of Hillsborough River Reservoir Midwater Total Nitrogen (mg/l)

Distribution of Result



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

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		
Percent	Quantile	
	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**

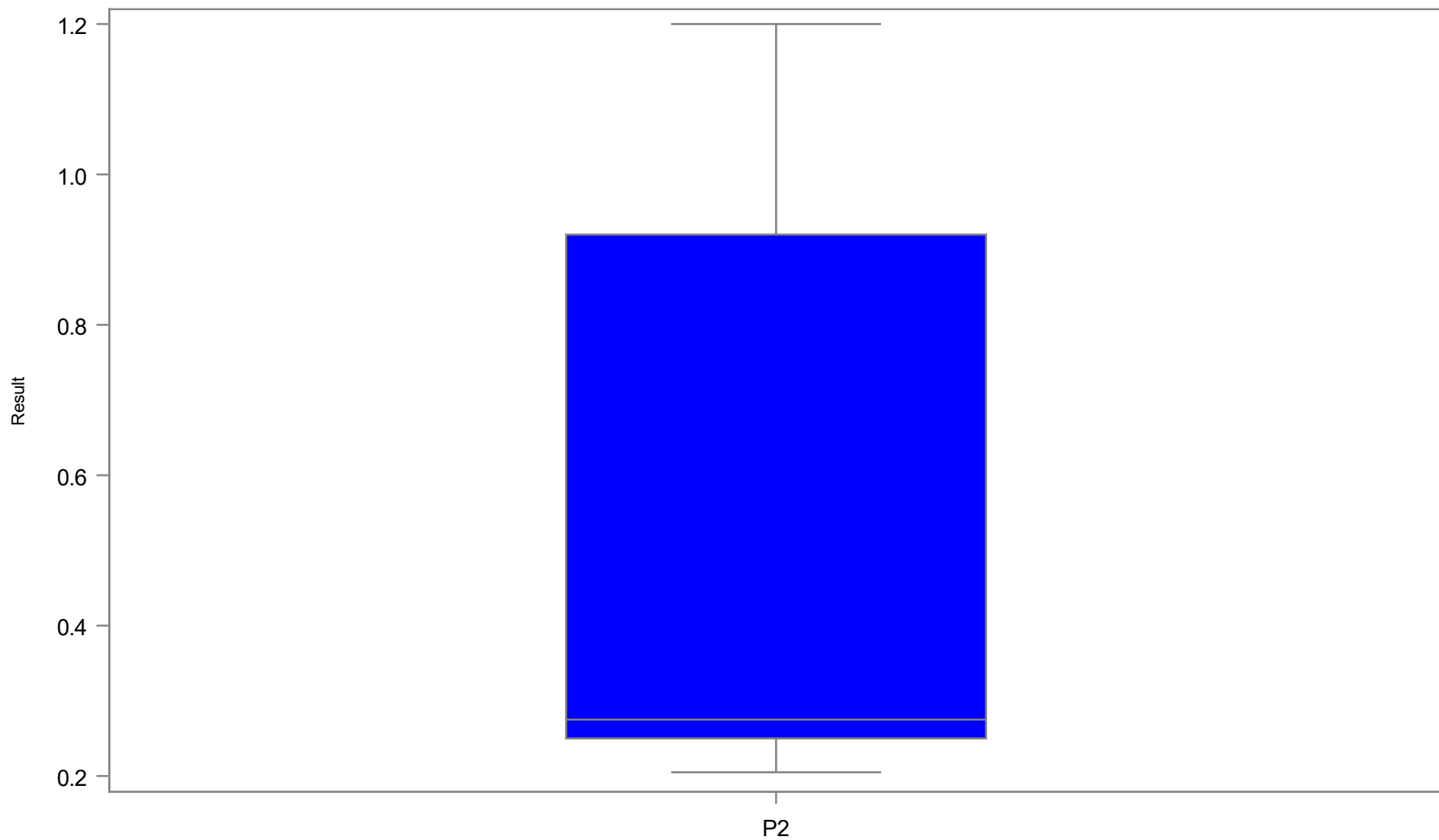
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Total Nitrogen (mg/l)

	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 Hillsborough River Reservoir Midwater Total Nitrogen (mg/l)



Period ■ P2

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

DRAFT

Timeseries of Hillsborough River Reservoir Surface Total Nitrogen (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

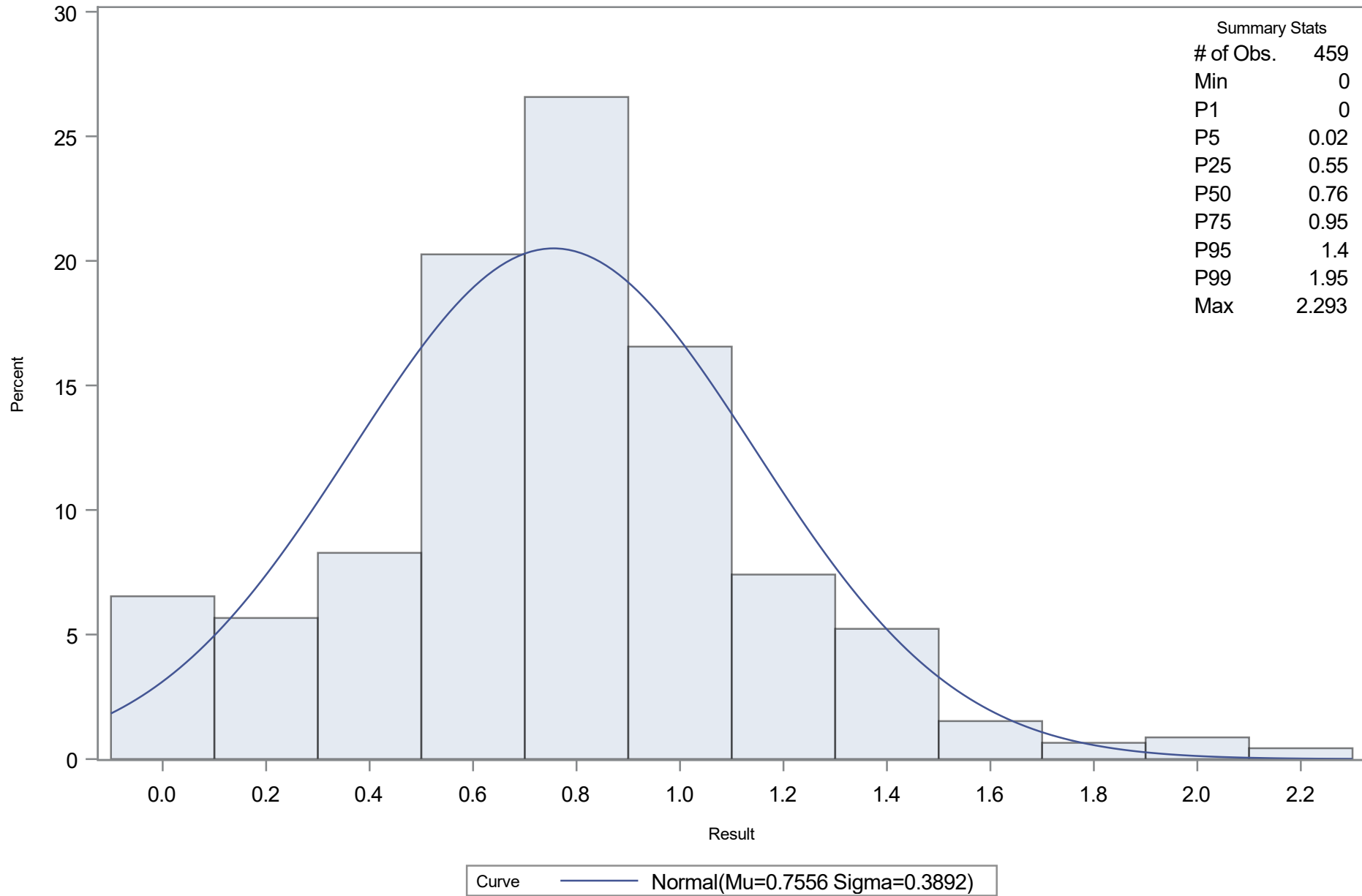
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Hillsborough River Reservoir Surface Total Nitrogen (mg/l)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Surface Total Nitrogen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.755551
Std Dev	Sigma	0.389176

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.07106335	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.60740388	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.86879434	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.14981
5.0	0.02000	0.11541
10.0	0.16650	0.25680
25.0	0.55000	0.49306
50.0	0.76000	0.75555
75.0	0.95000	1.01805
90.0	1.23000	1.25430
95.0	1.40000	1.39569
99.0	1.95000	1.66091

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

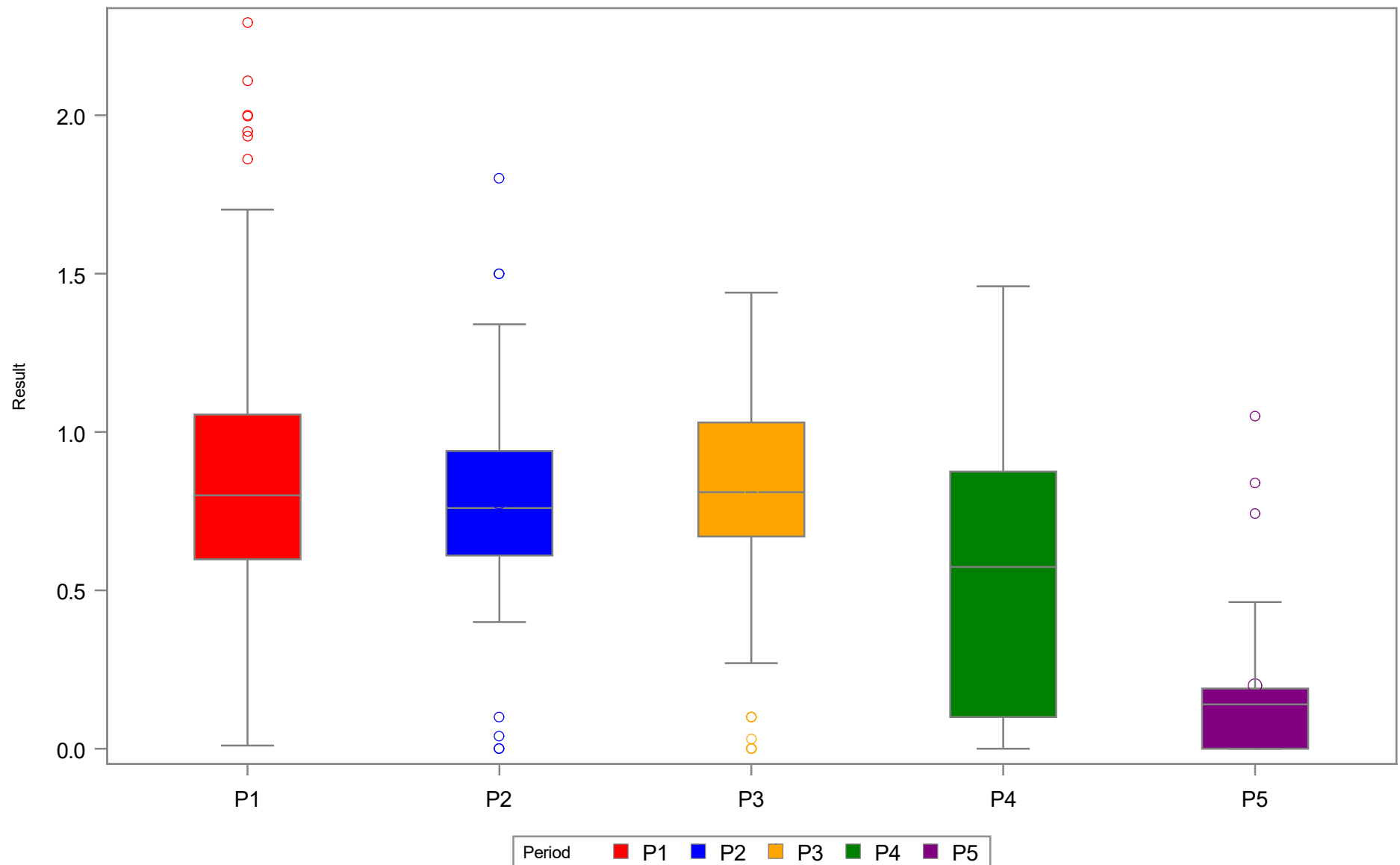
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Total Nitrogen (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	100	0.01	0.60	0.90	0.80	1.06	2.29
P2	173	0.00	0.61	0.78	0.76	0.94	1.80
P3	111	0.00	0.67	0.82	0.81	1.03	1.44
P4	48	0.00	0.10	0.54	0.57	0.88	1.46
P5	27	0.00	0.00	0.20	0.14	0.19	1.05

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface Total Nitrogen (mg/l)



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

DRAFT

Timeseries of Upper Hillsborough River Surface Total Nitrogen (mg/l)



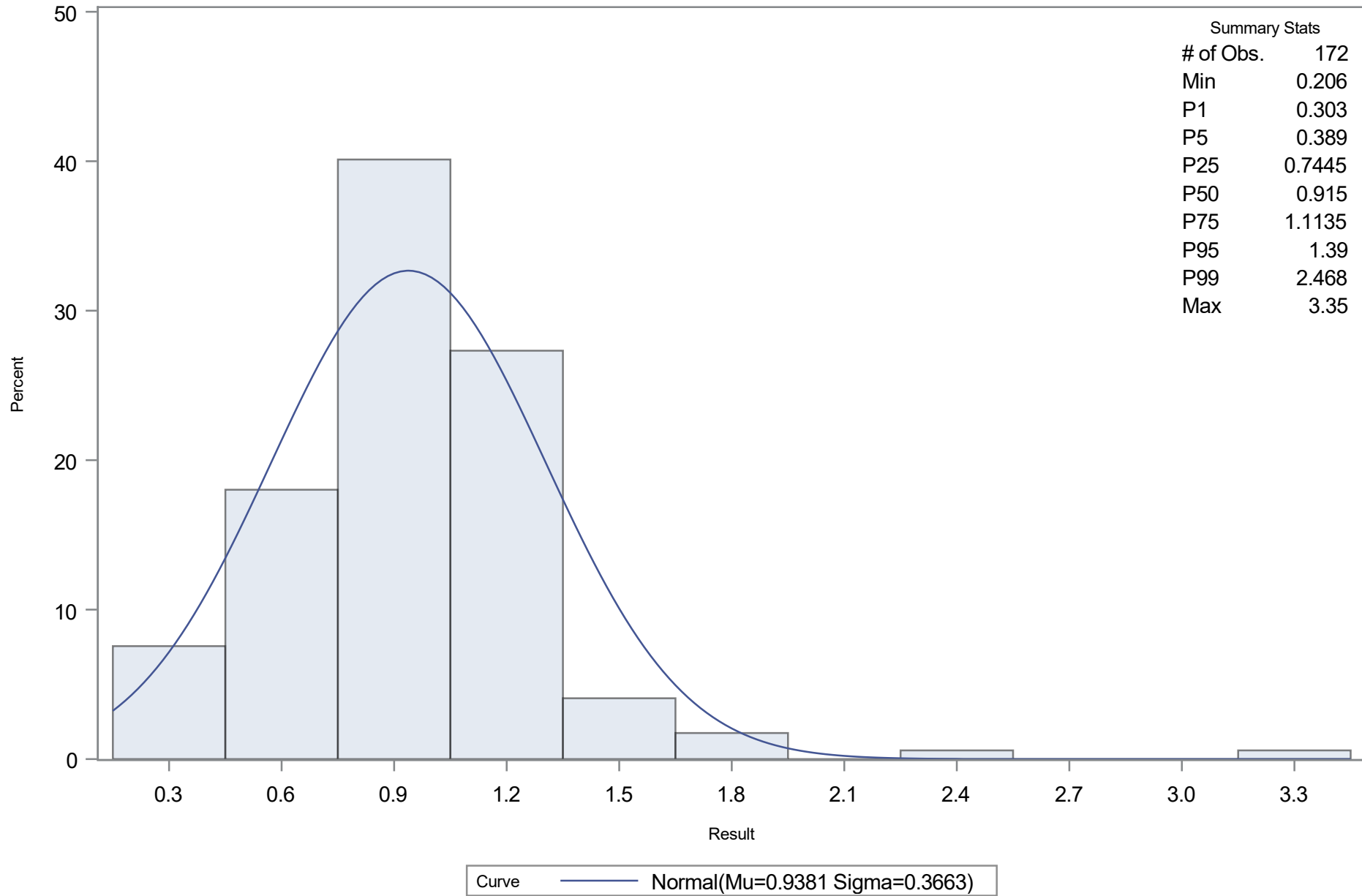
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Total Nitrogen (mg/l)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface Total Nitrogen (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.938059
Std Dev	Sigma	0.366254

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10601777	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.38166955	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.61593368	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.30300	0.08602
5.0	0.38900	0.33562
10.0	0.48800	0.46869
25.0	0.74450	0.69102
50.0	0.91500	0.93806
75.0	1.11350	1.18509
90.0	1.24000	1.40743
95.0	1.39000	1.54049
99.0	2.46800	1.79009

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

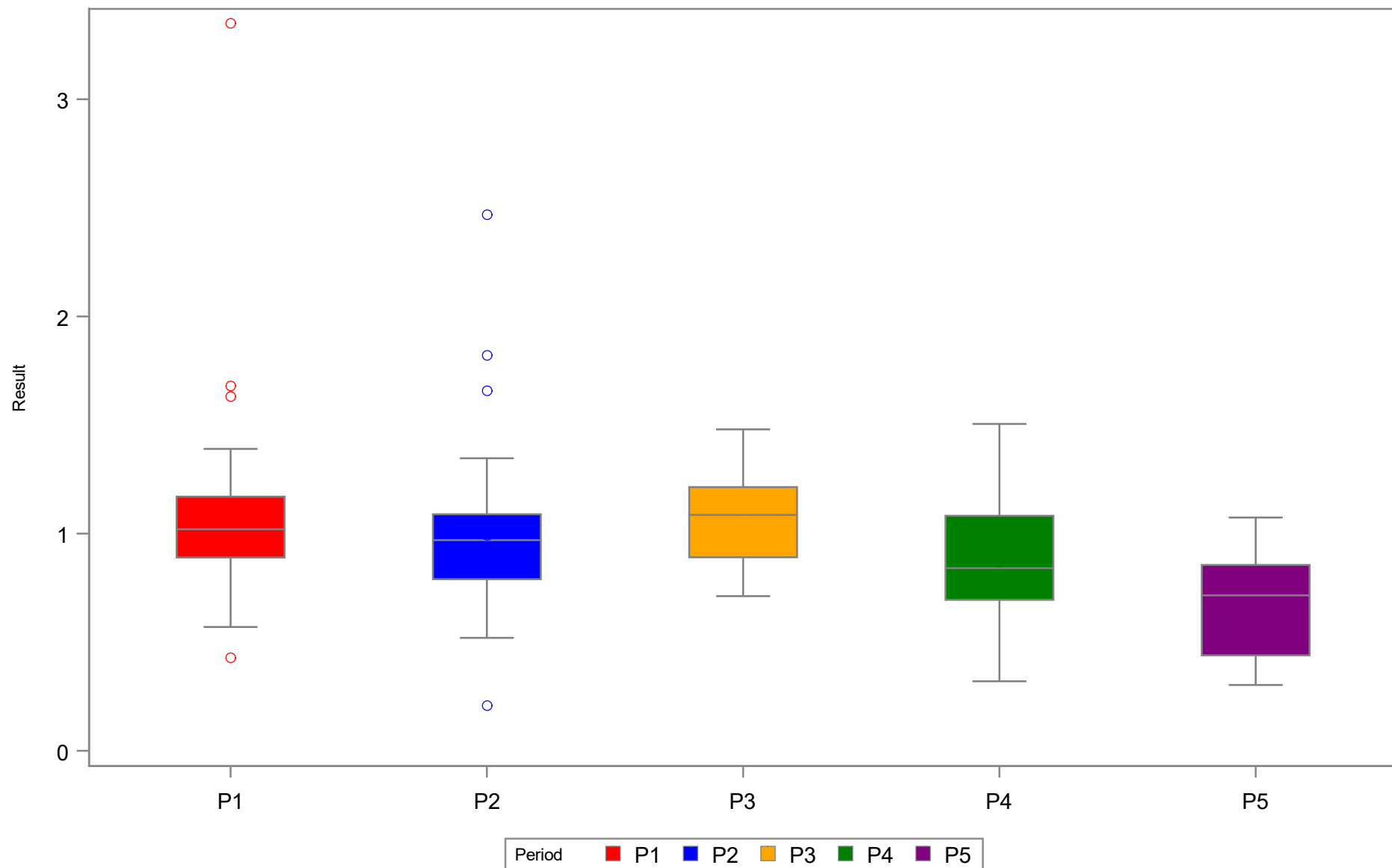
DRAFT**Distributional Statistics by Period for Upper Hillsborough River Surface Total Nitrogen (mg/l)**

	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	27	0.71	0.89	1.05	1.09	1.21	1.48
P4	28	0.32	0.70	0.88	0.84	1.08	1.51
P5	36	0.30	0.44	0.65	0.72	0.86	1.07

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

DRAFT

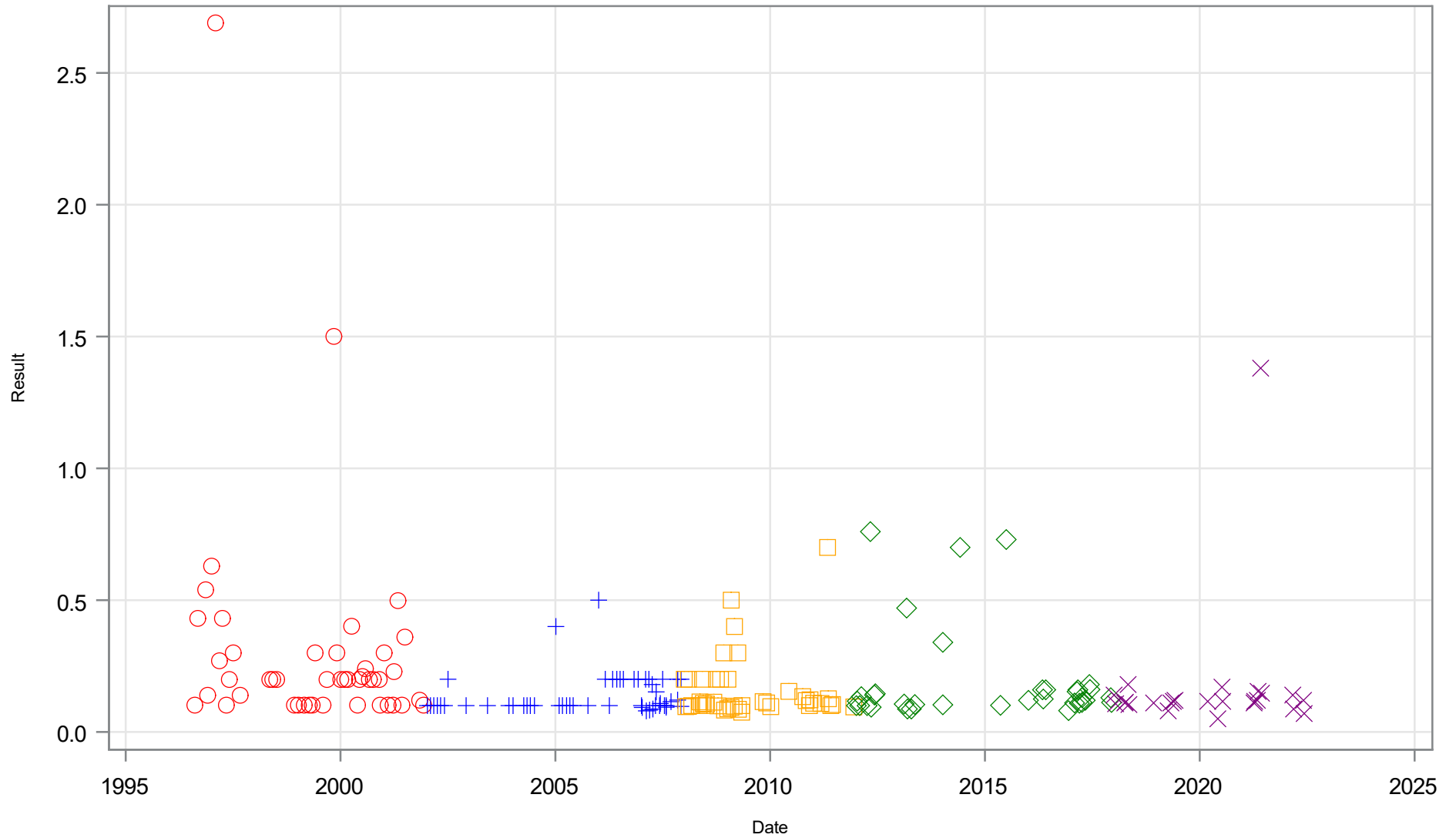
Boxplot by MFL Period for Upper Hillsborough River Surface Total Nitrogen (mg/l)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Total Phosphorus (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

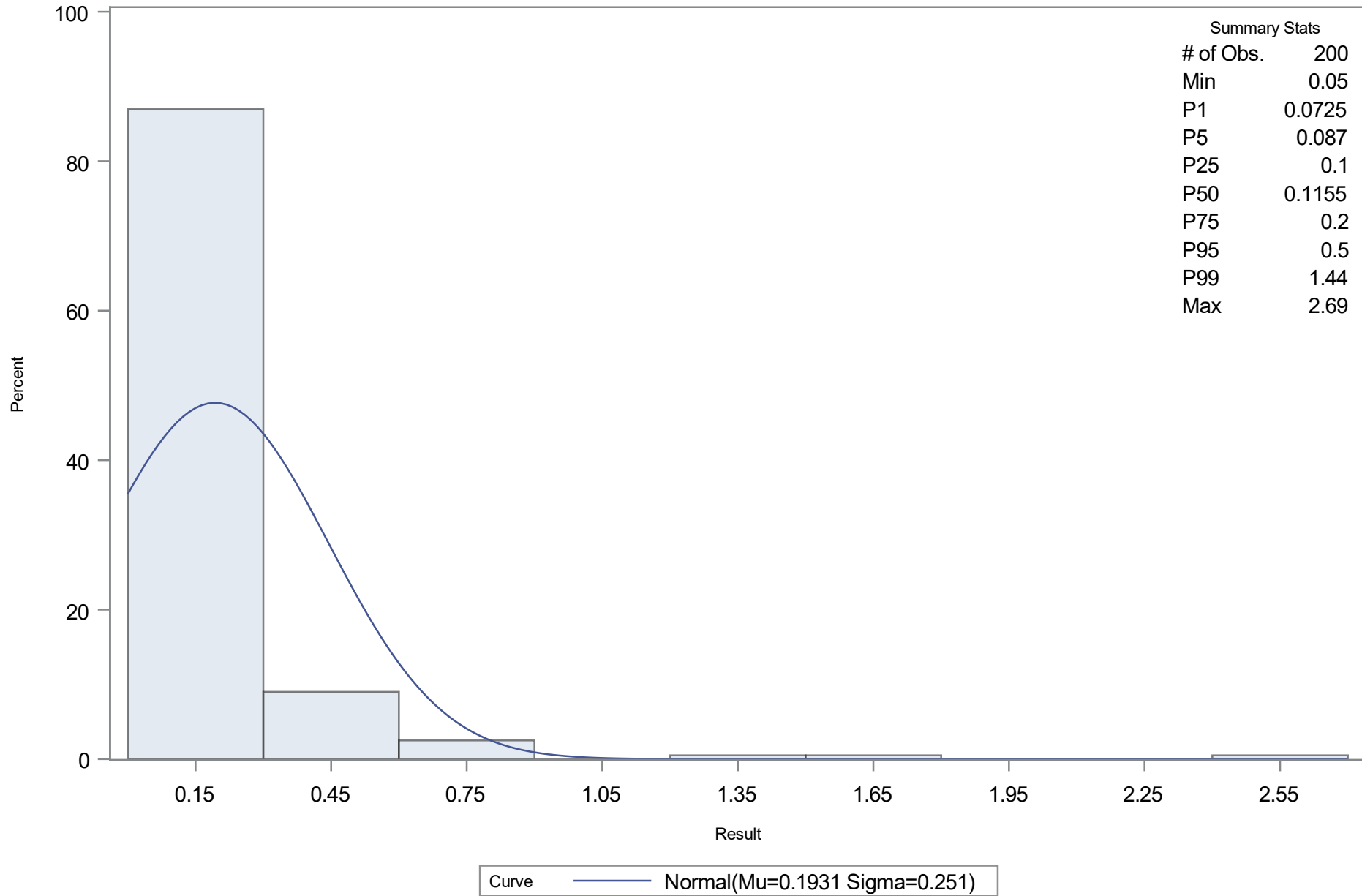
Period of Record: January 1996 through December 2023

Analysis Days Only

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Total Phosphorus (mg/l)

Distribution of Result



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

DRAFT**Univariate Histogram of Sulphur Springs Run Surface Total Phosphorus (mg/l)****Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.193075
Std Dev	Sigma	0.251032

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.3389961	Pr > D	<0.010
Cramer-von Mises	W-Sq	7.1460960	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	35.7160120	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.07250	-0.39091
5.0	0.08700	-0.21984
10.0	0.09600	-0.12863
25.0	0.10000	0.02376
50.0	0.11550	0.19308
75.0	0.20000	0.36239
90.0	0.32000	0.51478
95.0	0.50000	0.60599
99.0	1.44000	0.77706

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

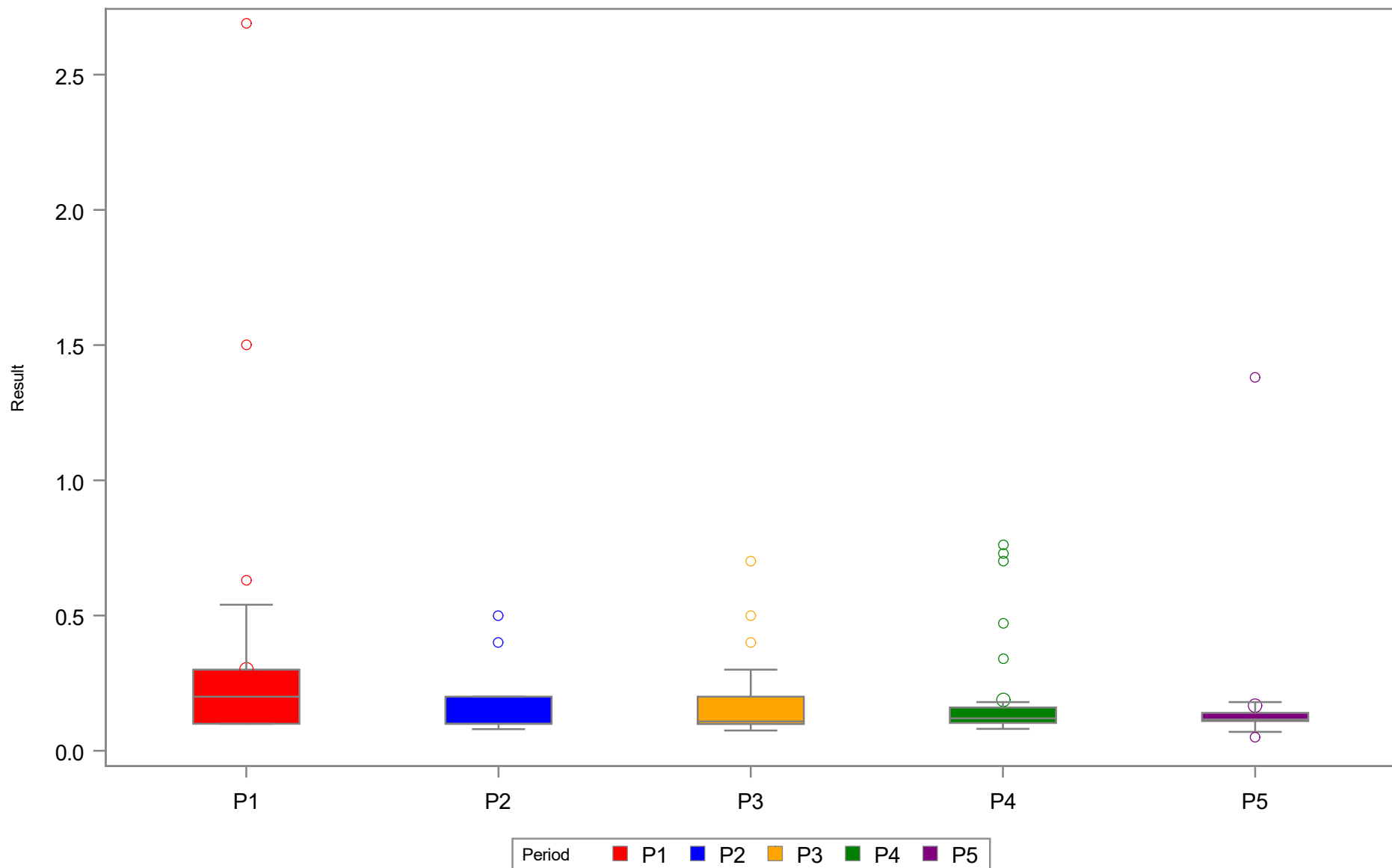
DRAFT**Distributional Statistics by Period for Sulphur Springs Run Surface Total Phosphorus (mg/l)**

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.10	0.10	0.30	0.20	0.30	2.69
P2	52	0.08	0.10	0.14	0.10	0.20	0.50
P3	42	0.08	0.10	0.16	0.11	0.20	0.70
P4	35	0.08	0.10	0.19	0.12	0.16	0.76
P5	25	0.05	0.11	0.17	0.12	0.14	1.38

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

DRAFT

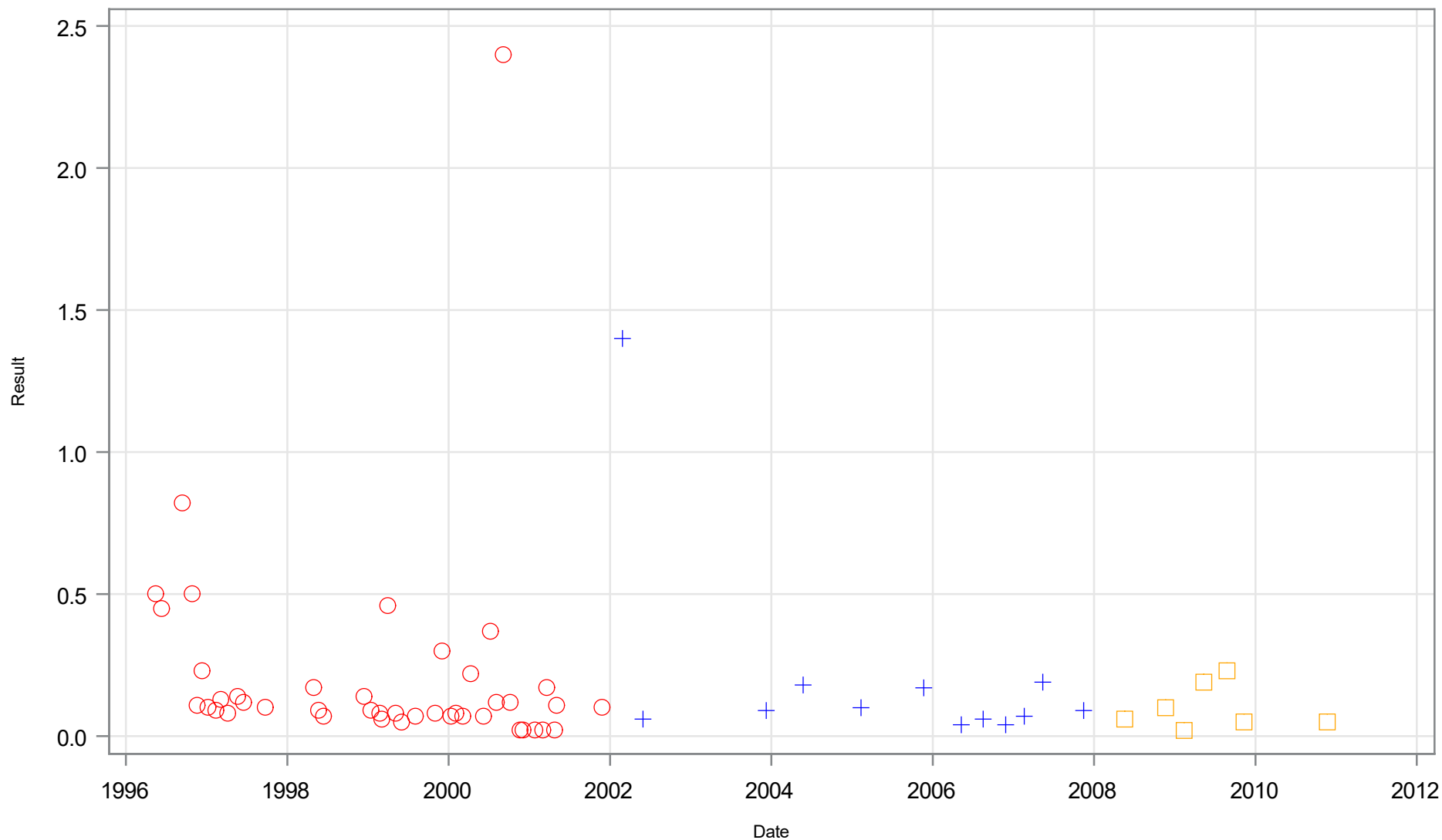
Boxplot by MFL Period for Sulphur Springs Run Surface Total Phosphorus (mg/l)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Total Phosphorus (mg/l)



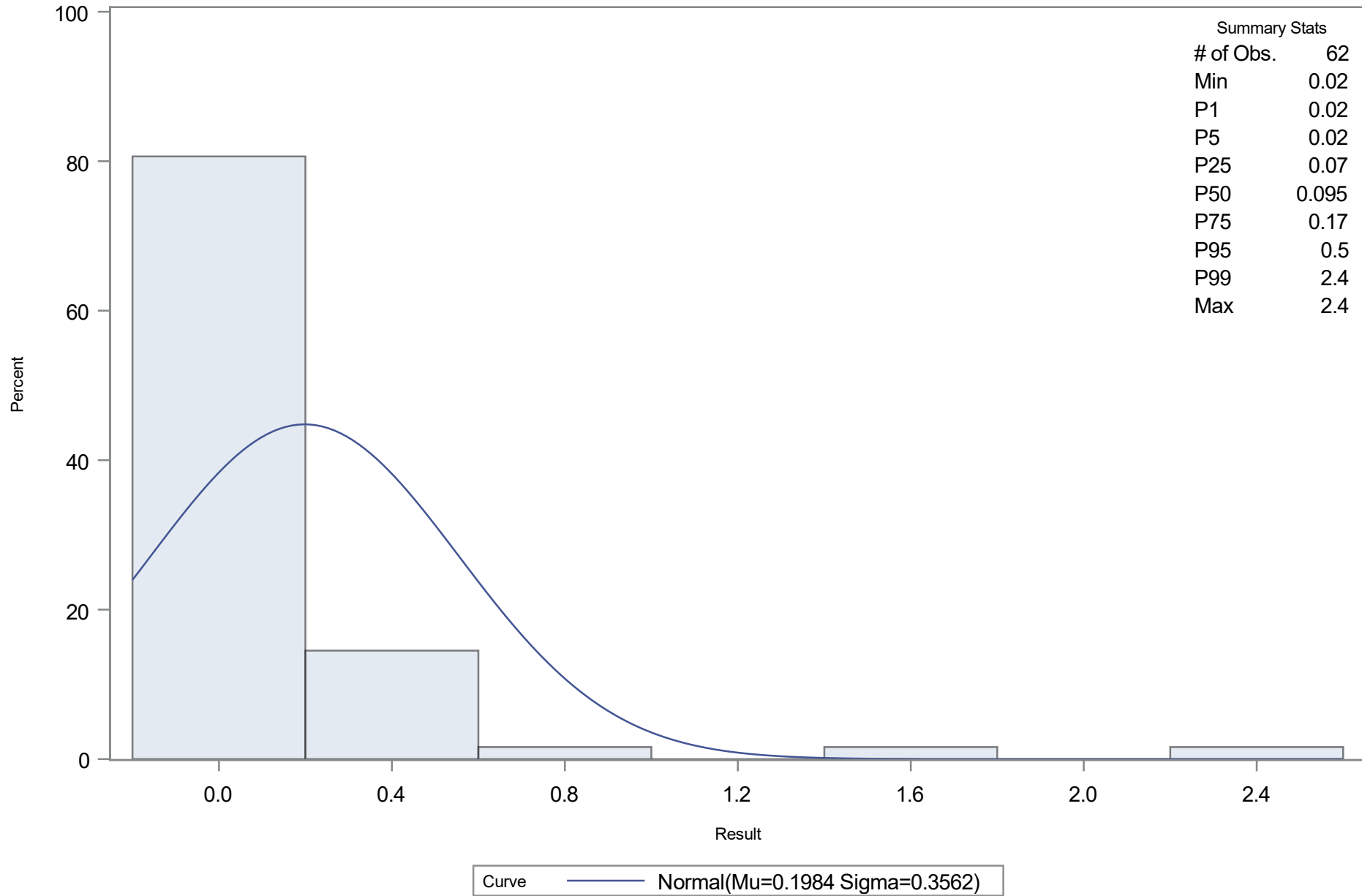
Period ○ P1 + P2 □ P3

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Total Phosphorus (mg/l)

Distribution of Result



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

Univariate Histogram of Tampa Bypass Canal Surface Total Phosphorus (mg/l)**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		
Percent	Quantile	
	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

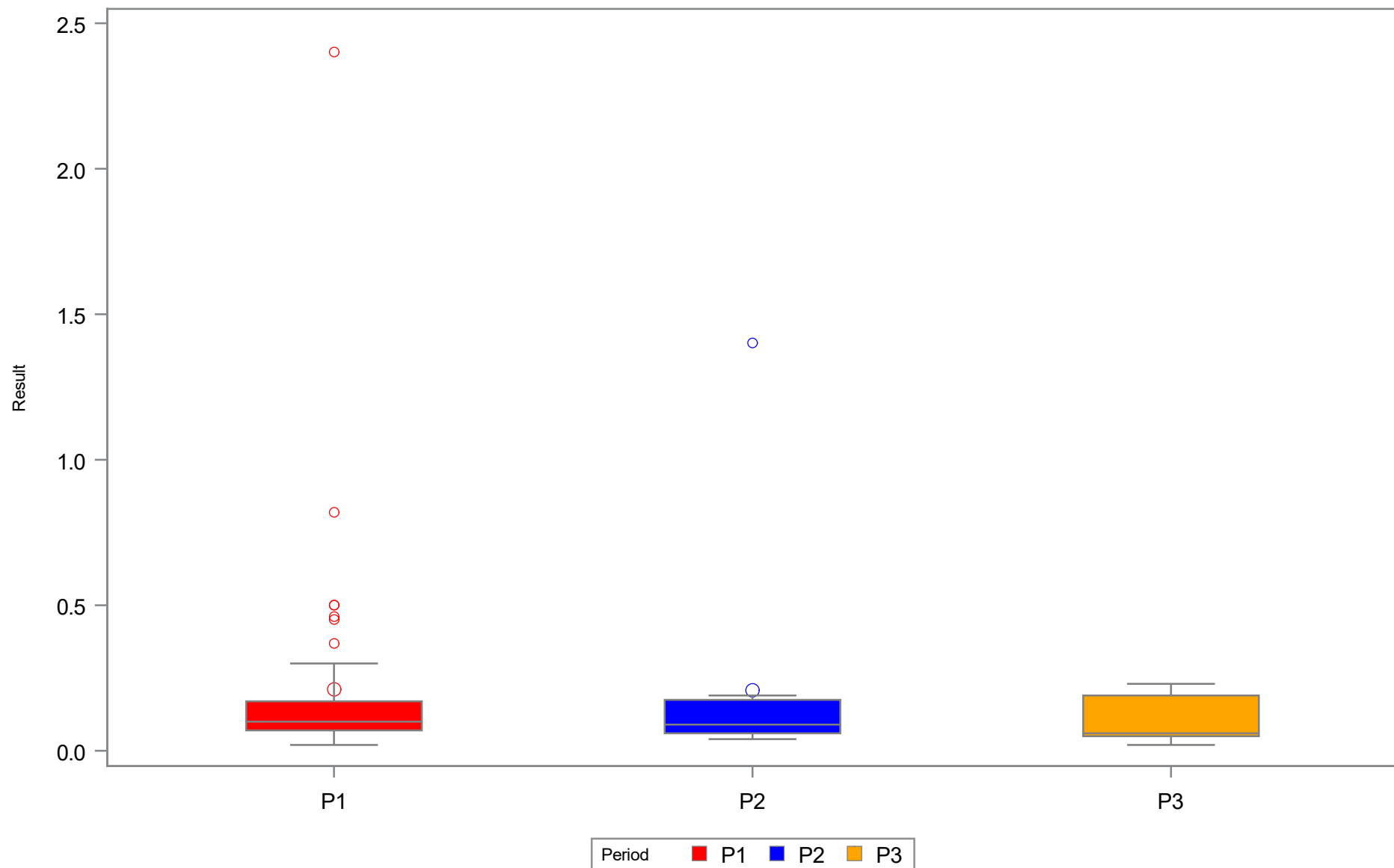
Distributional Statistics by Period for Tampa Bypass Canal Surface Total Phosphorus (mg/l)

	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

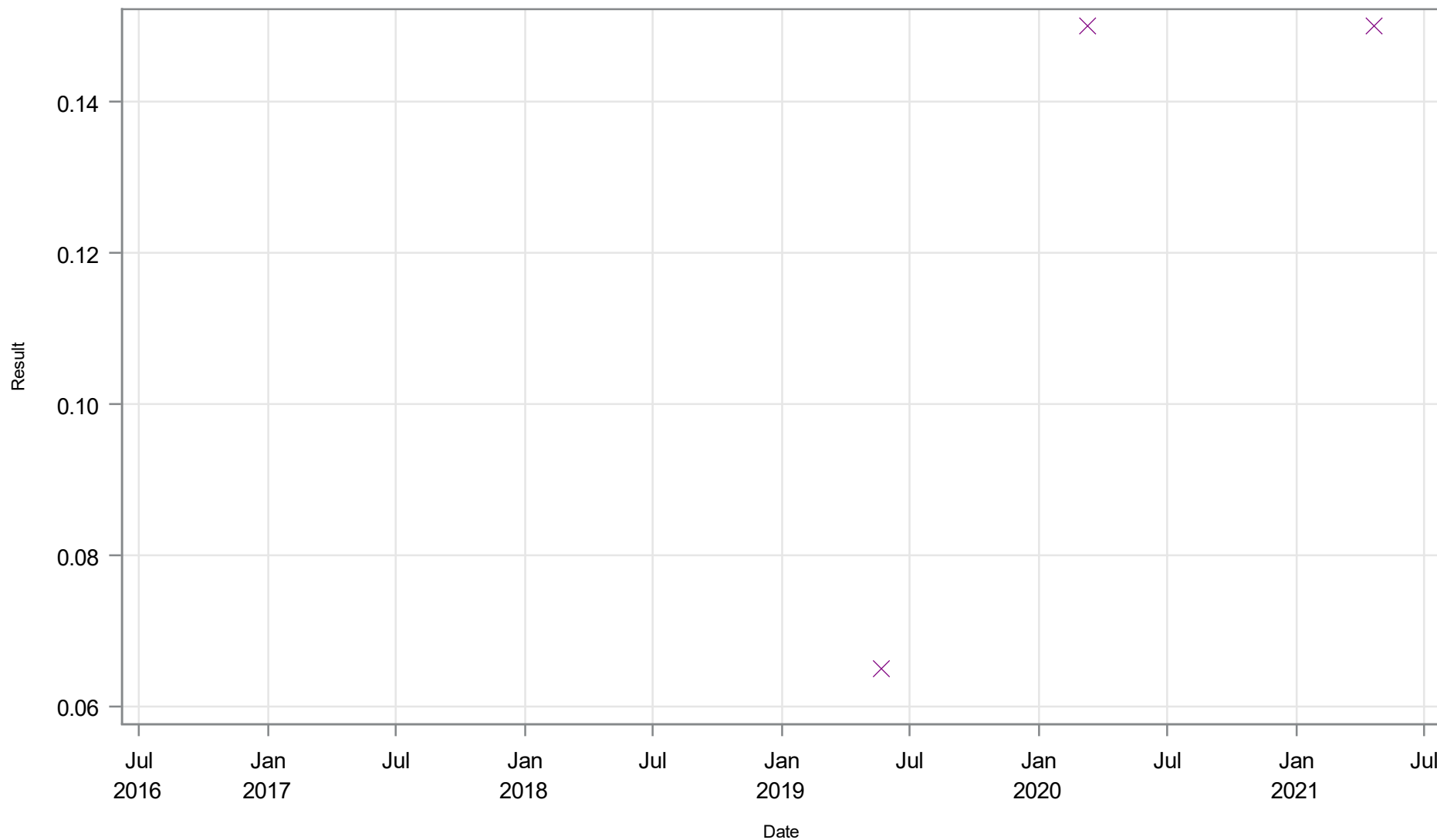
Boxplot by MFL Period for Tampa Bypass Canal Surface Total Phosphorus (mg/l)



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

DRAFT

Timeseries of Moris Bridge Sink Surface Total Phosphorus (mg/l)



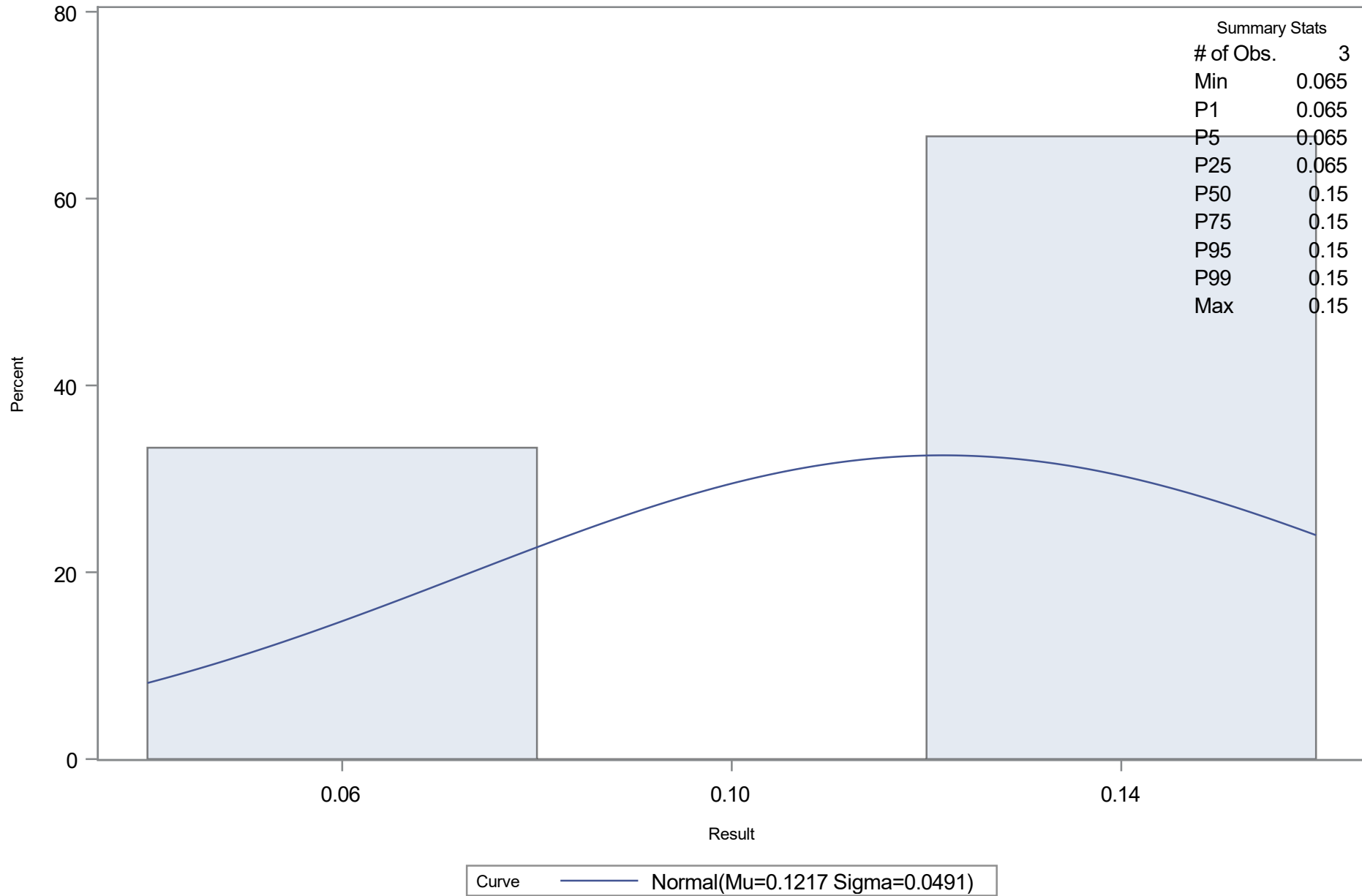
Period ◇ P4 × P5

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

DRAFT

Univariate Histogram of Moris Bridge Sink Surface Total Phosphorus (mg/l)

Distribution of Result



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

Univariate Histogram of Moris Bridge Sink Surface Total Phosphorus (mg/l)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.121667
Std Dev	Sigma	0.049075

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.38481524	Pr > D	0.079
Cramer-von Mises	W-Sq	0.09044547	Pr > W-Sq	0.097
Anderson-Darling	A-Sq	0.48776674	Pr > A-Sq	0.058

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.06500	0.00750
5.0	0.06500	0.04095
10.0	0.06500	0.05877
25.0	0.06500	0.08857
50.0	0.15000	0.12167
75.0	0.15000	0.15477
90.0	0.15000	0.18456
95.0	0.15000	0.20239
99.0	0.15000	0.23583

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

DRAFT

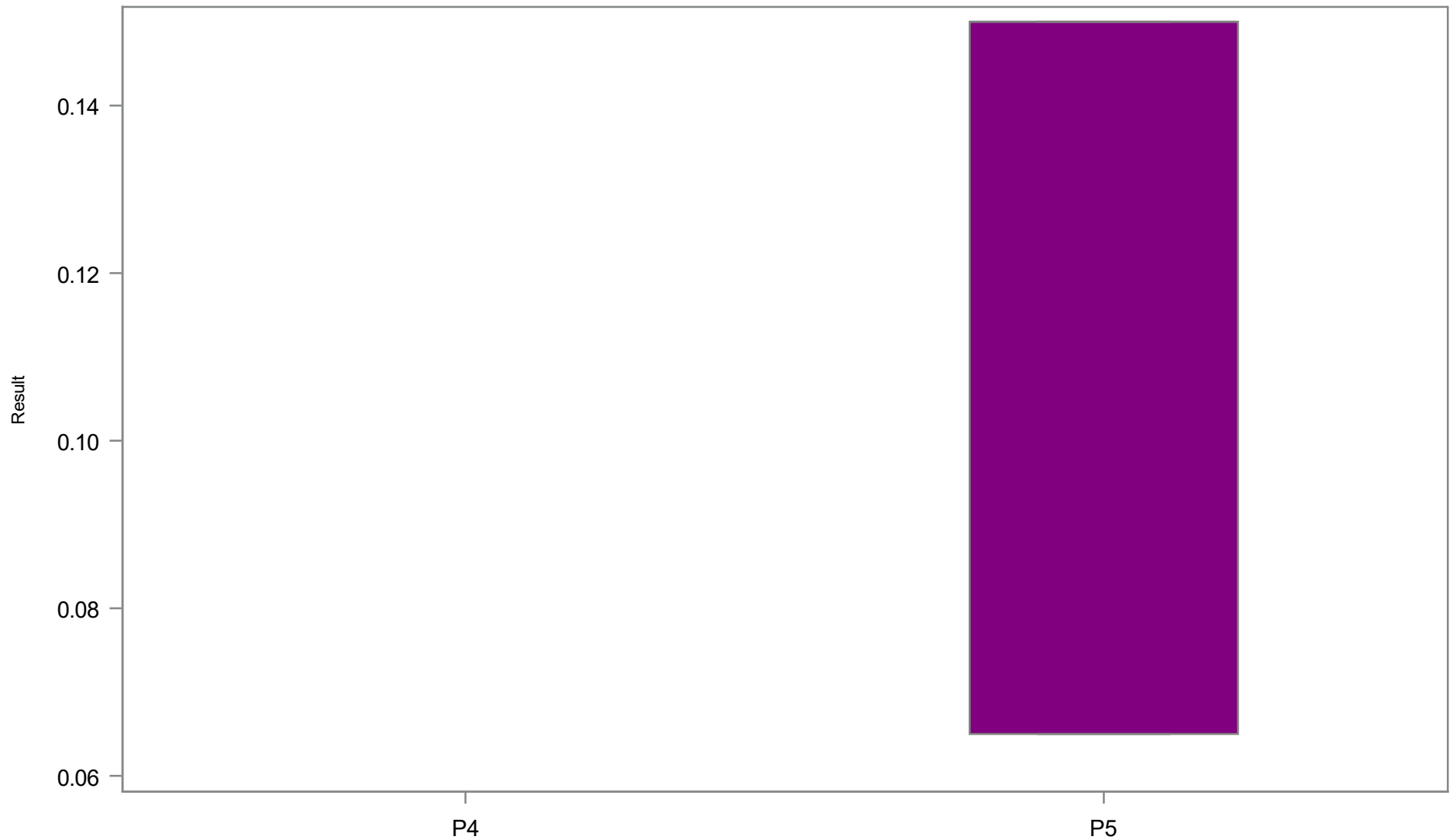
Distributional Statistics by Period for Moris Bridge Sink Surface Total Phosphorus (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P4	0	0	0	0	0	0	0
P5	3	0.07	0.07	0.12	0.15	0.15	0.15

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

DRAFT

Boxplot by MFL Period for Moris Bridge Sink Surface Total Phosphorus (mg/l)

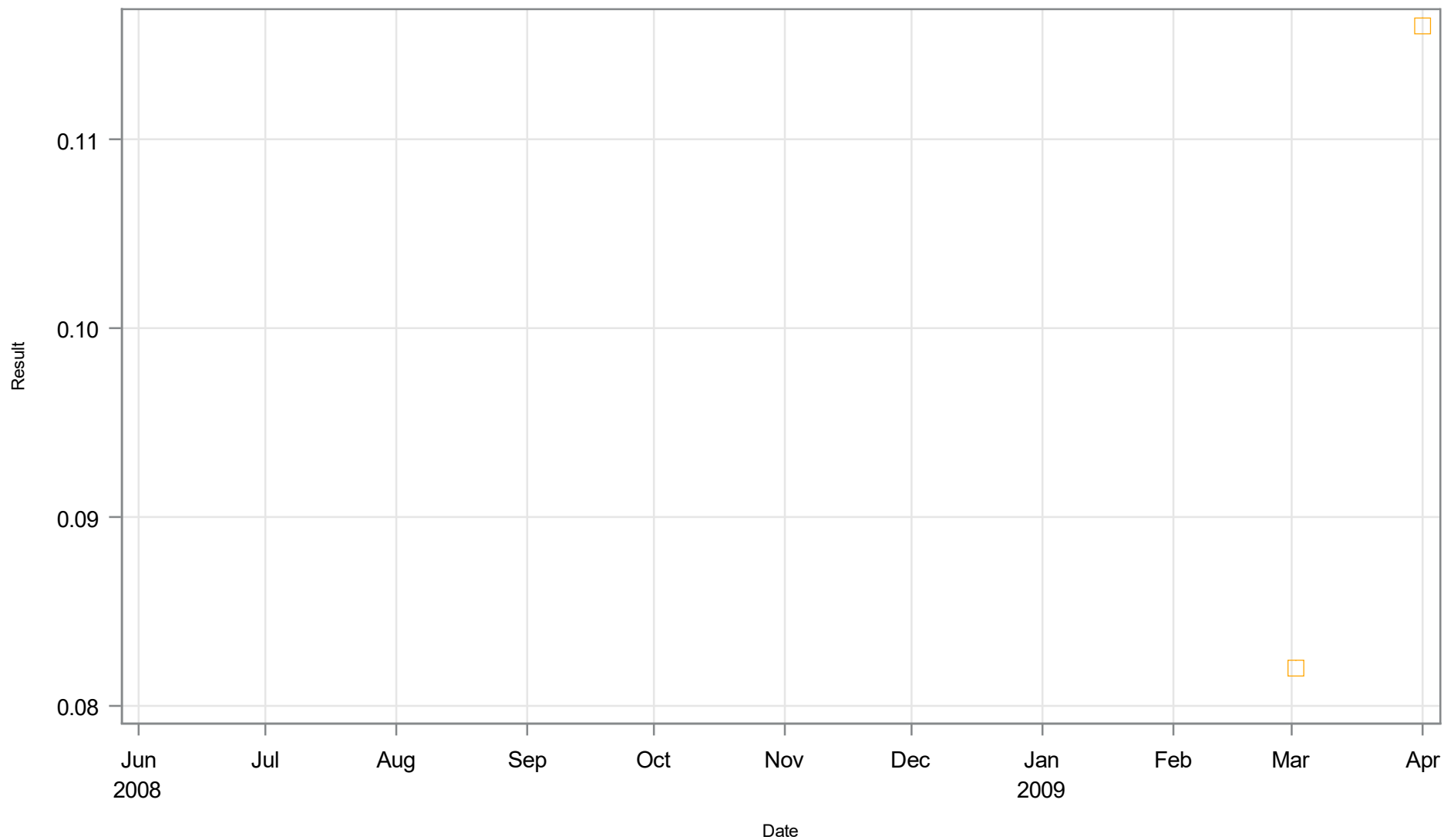


Period ■ P4 ■ P5

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

DRAFT

Timeseries of Surface Total Phosphorus (mg/l)

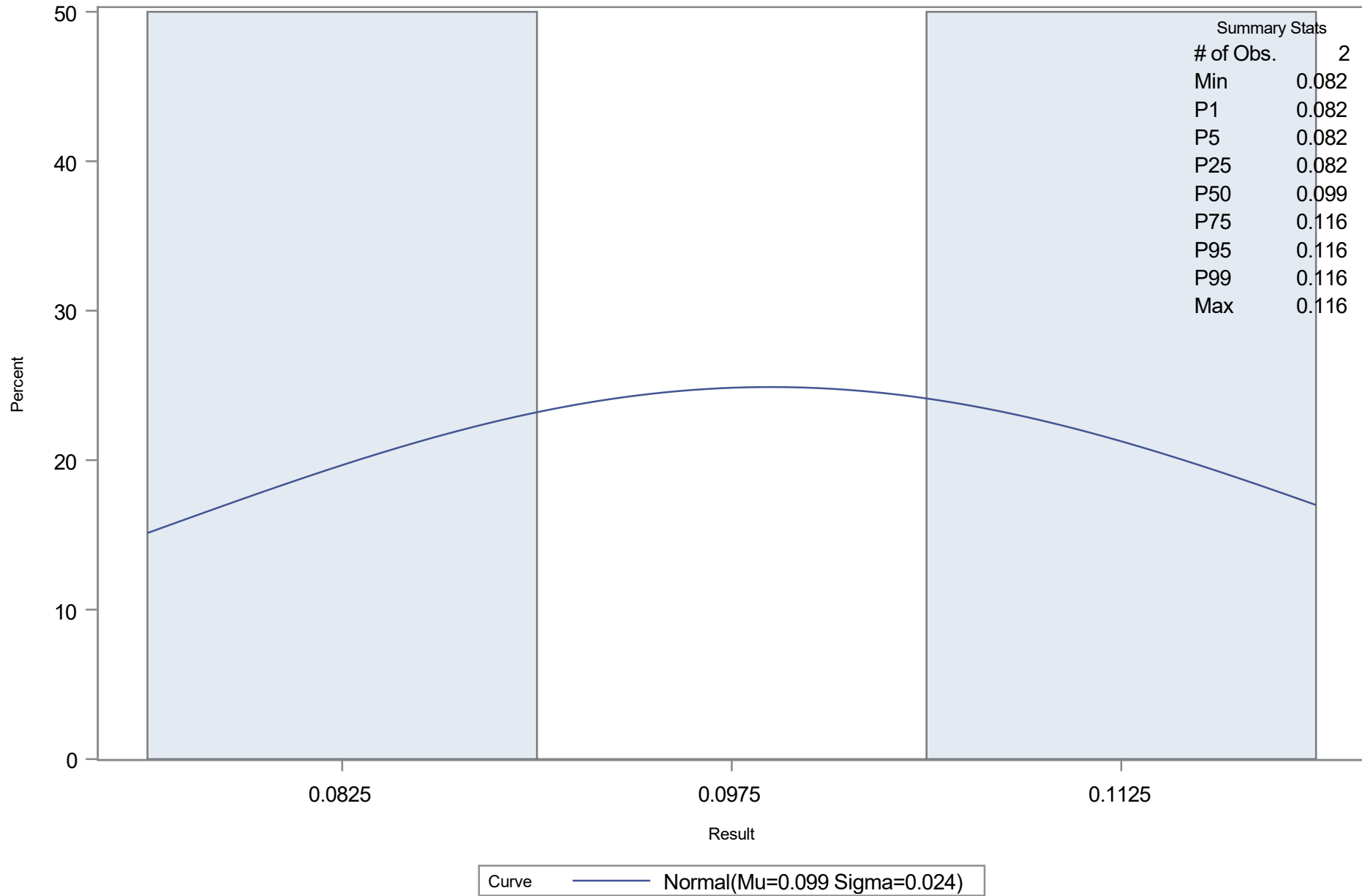


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l)

Distribution of Result



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

DRAFT

Univariate Histogram of Surface Total Phosphorus (mg/l)

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		
Percent	Quantile	
	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

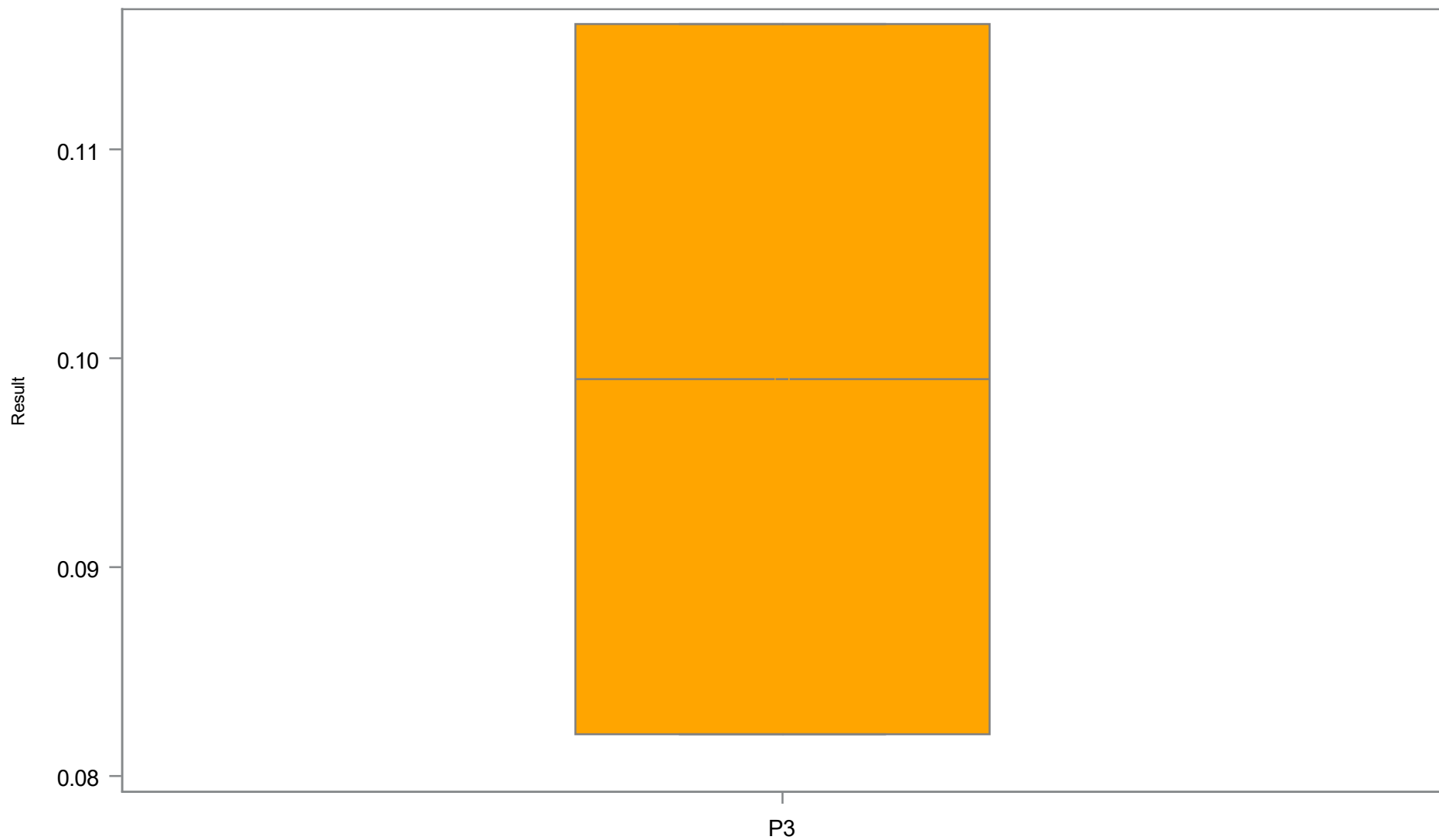
Distributional Statistics by Period for Surface Total Phosphorus (mg/l)

	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)

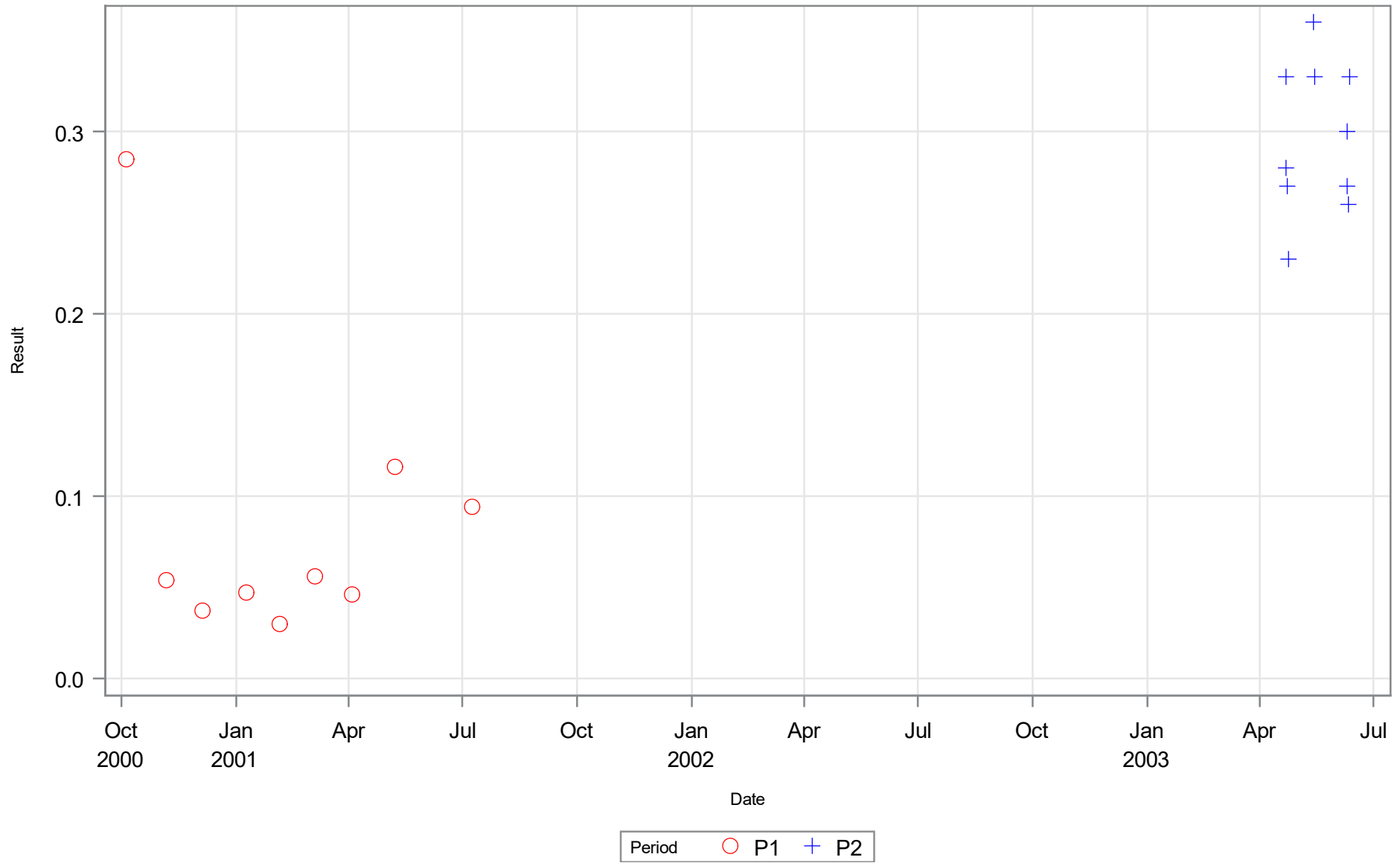


Period ■ P3

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

DRAFT

Timeseries of Hillsborough River Reservoir Bottom Total Phosphorus (mg/l)

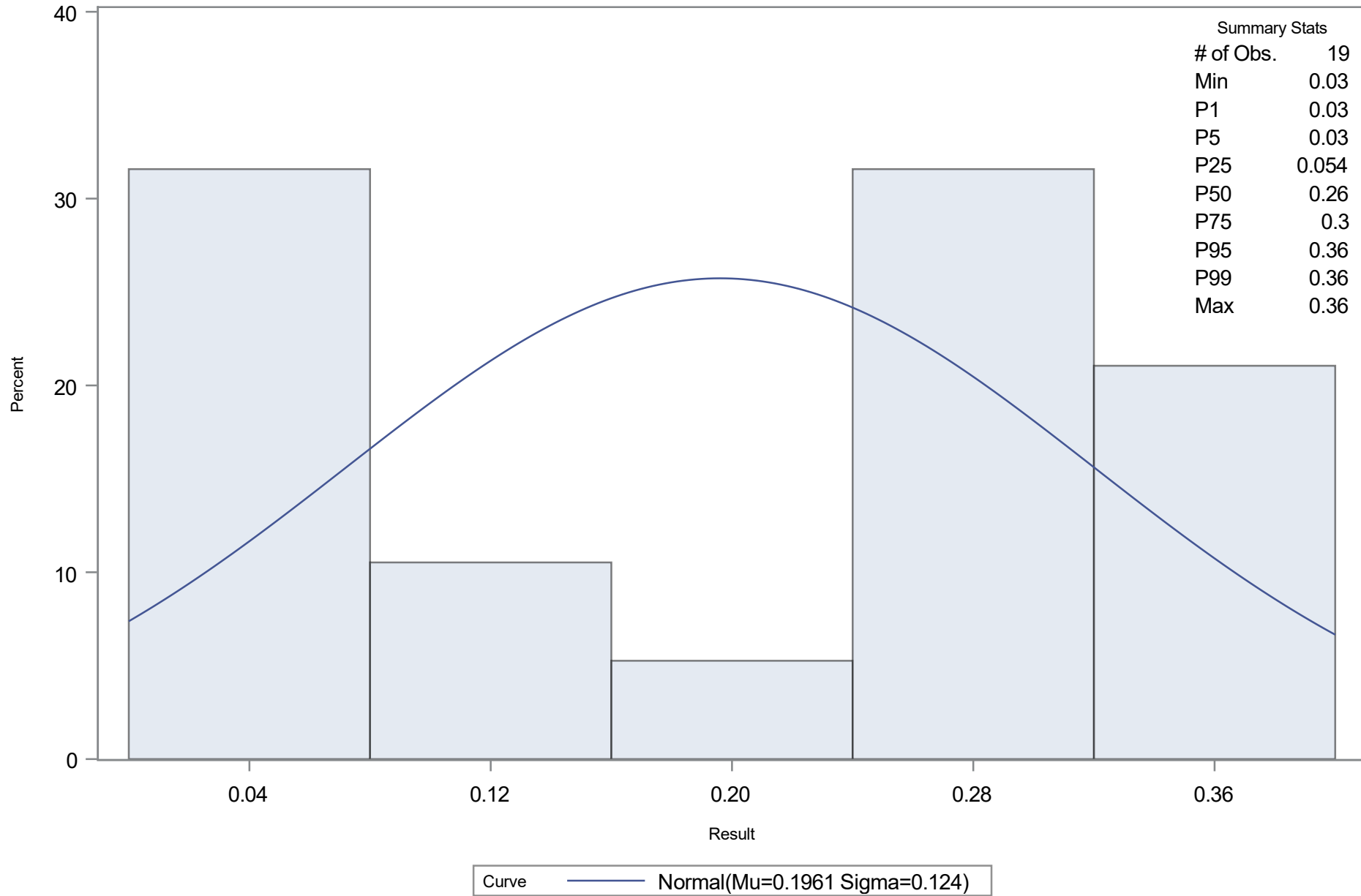


Period of Record: January 1996 through December 2023
Analysis Days Only

DRAFT

Univariate Histogram of Hillsborough River Reservoir Bottom Total Phosphorus (mg/l)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Bottom Total Phosphorus (mg/l)**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		
Percent	Quantile	
	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**

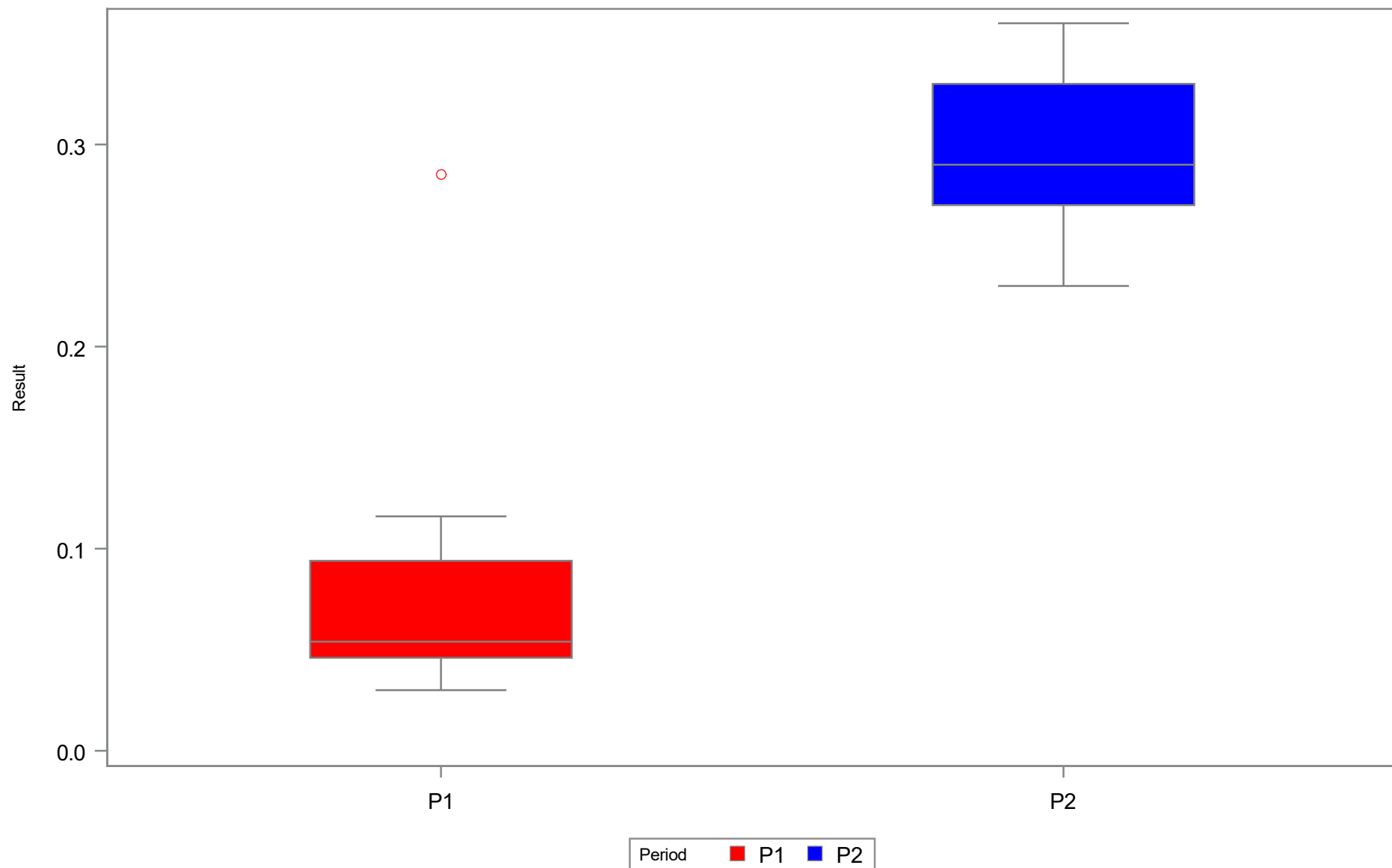
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Bottom Total Phosphorus (mg/l)

	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

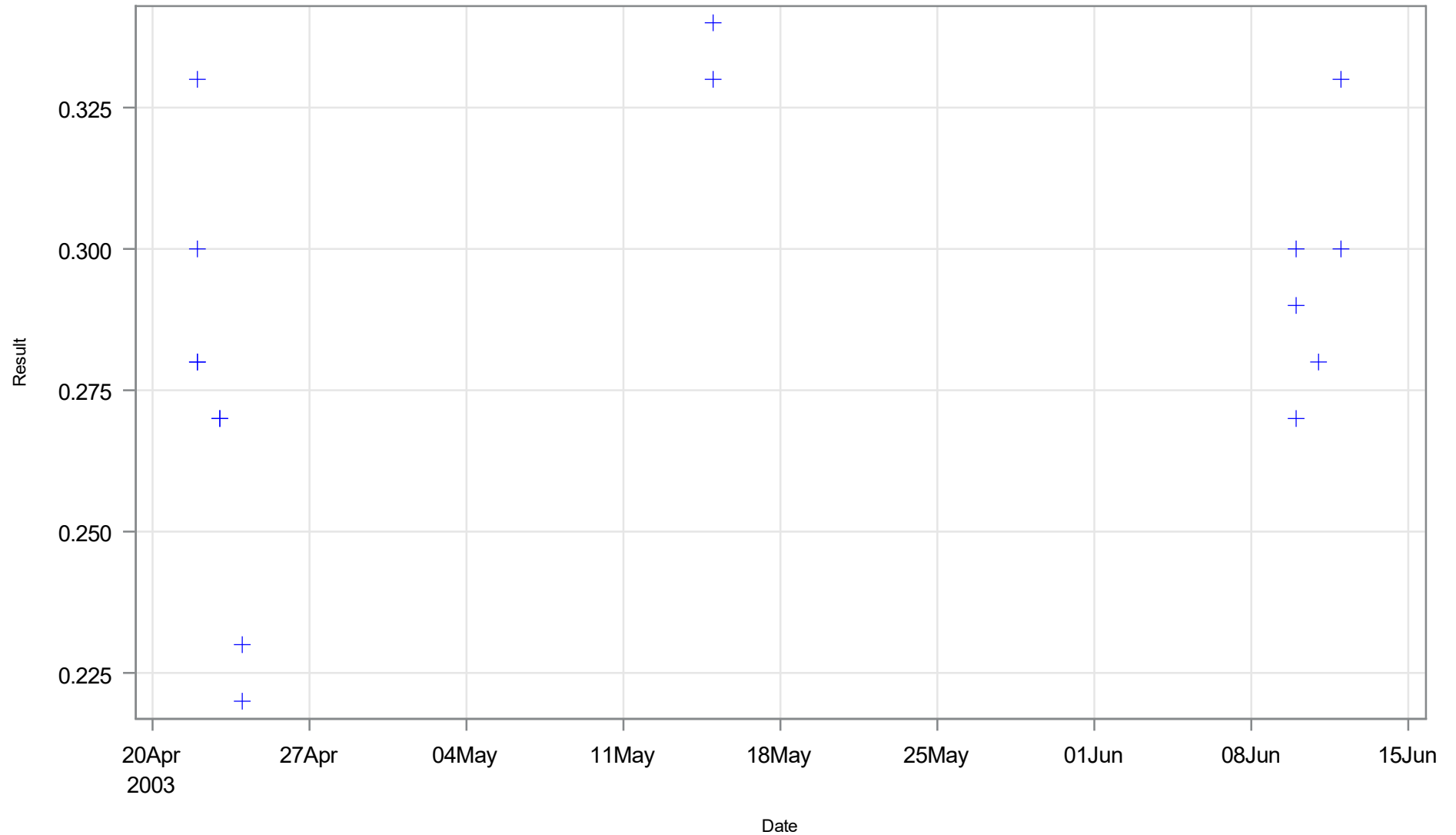
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Total Phosphorus (mg/l)



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

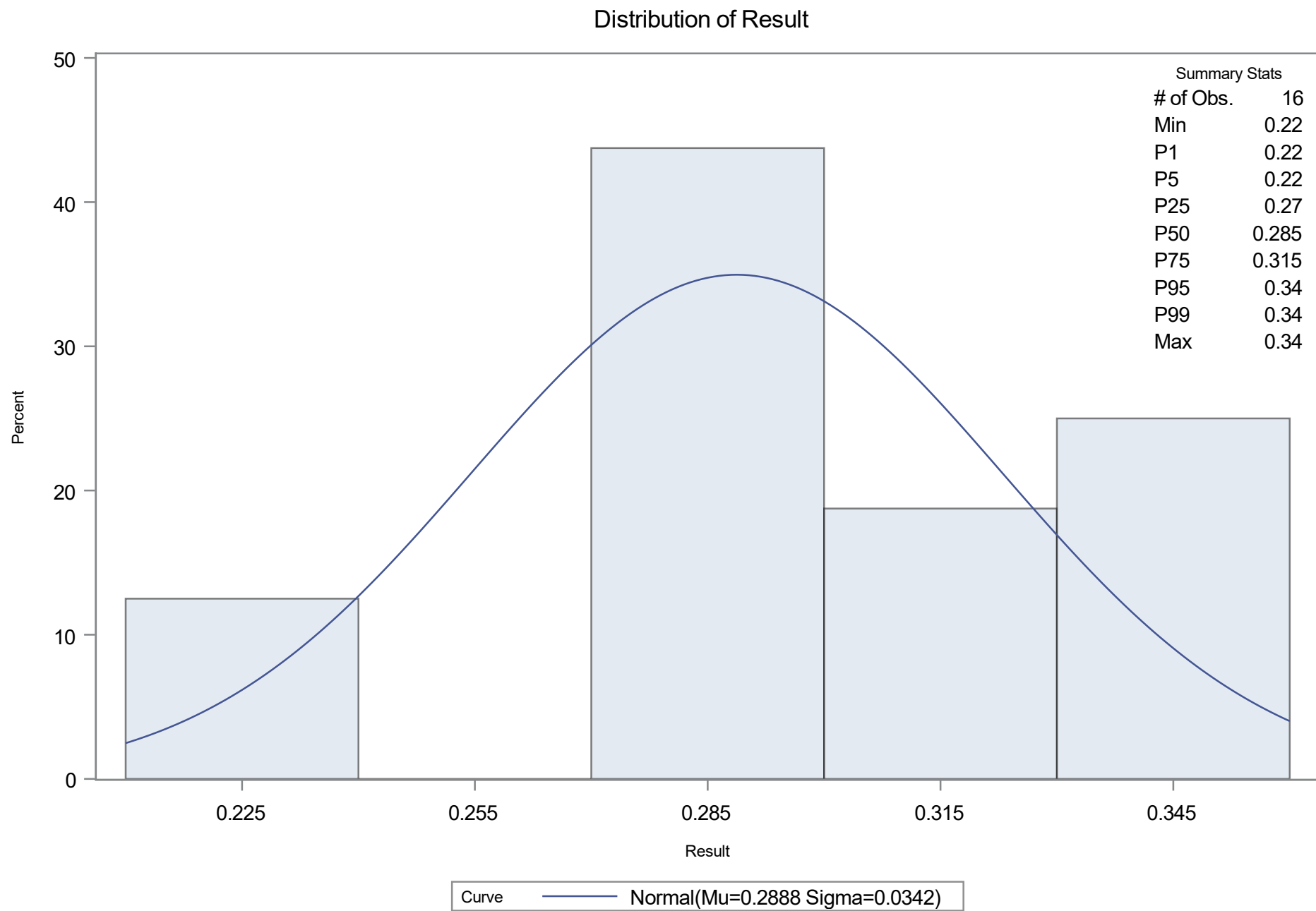
DRAFT

Timeseries of Hillsborough River Reservoir Midwater Total Phosphorus (mg/l)



Period + P2

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



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

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		
Percent	Quantile	
	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**

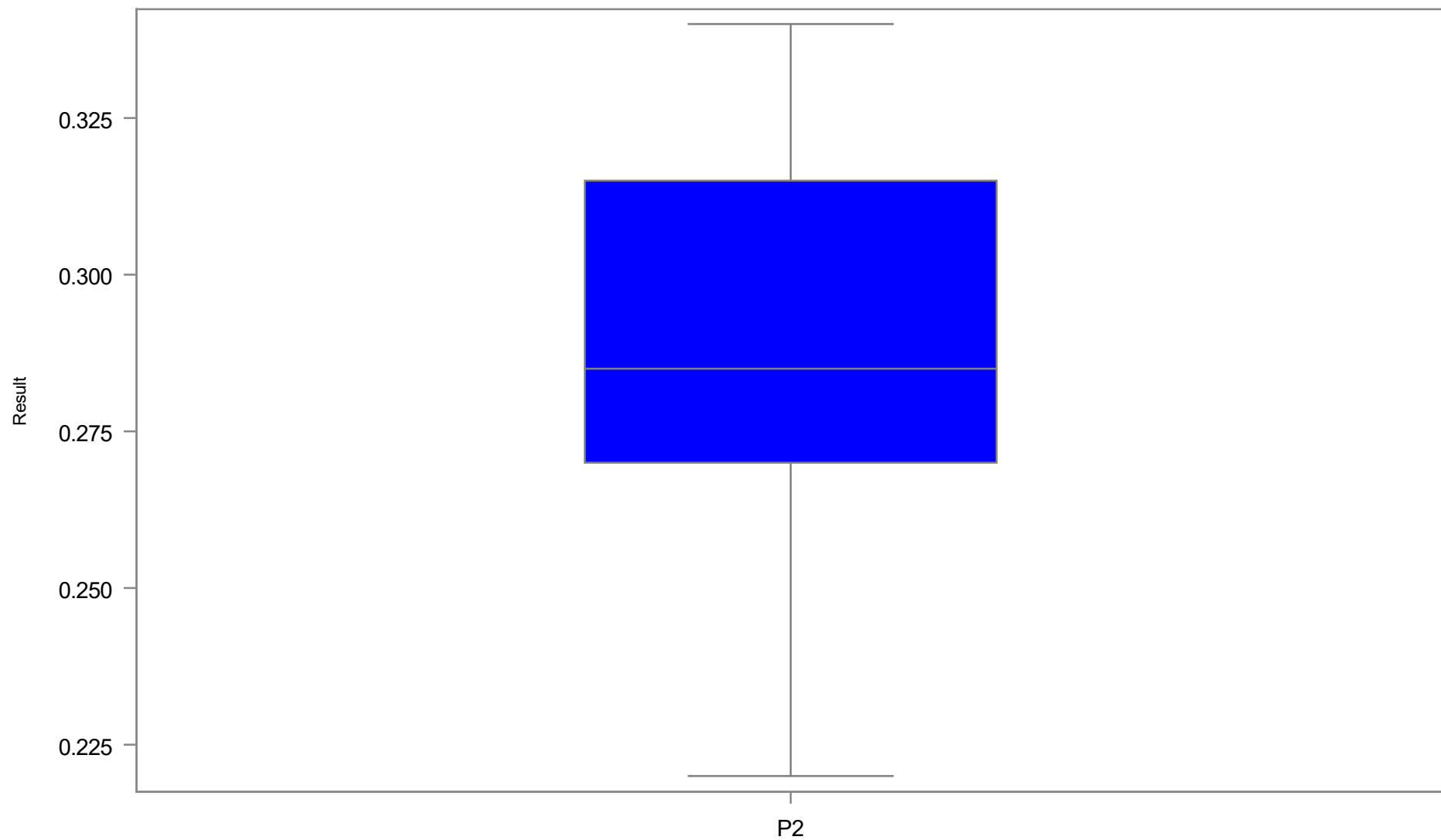
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Midwater Total Phosphorus (mg/l)

	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 Hillsborough River Reservoir Midwater Total Phosphorus (mg/l)

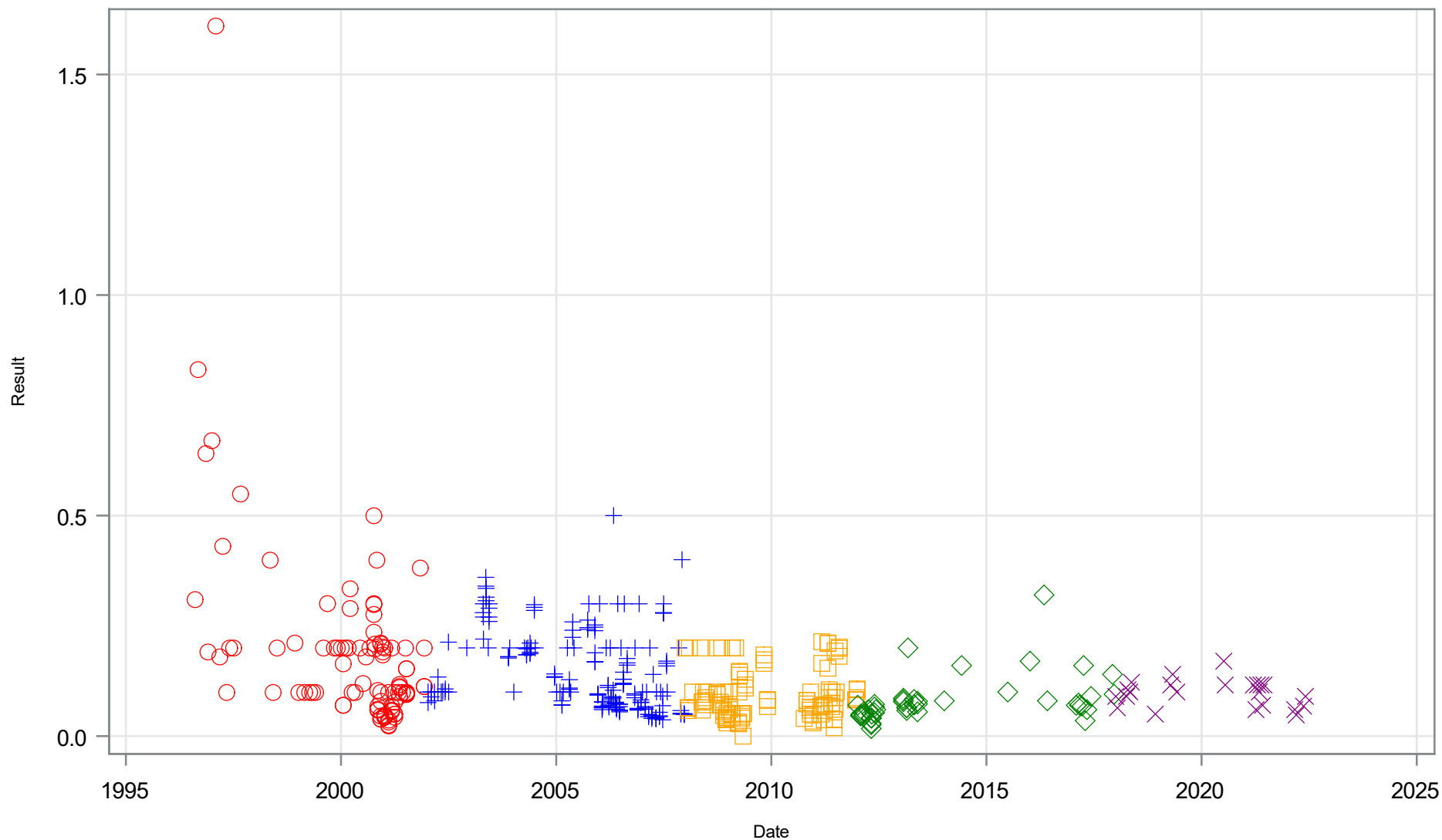


Period ■ P2

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

DRAFT

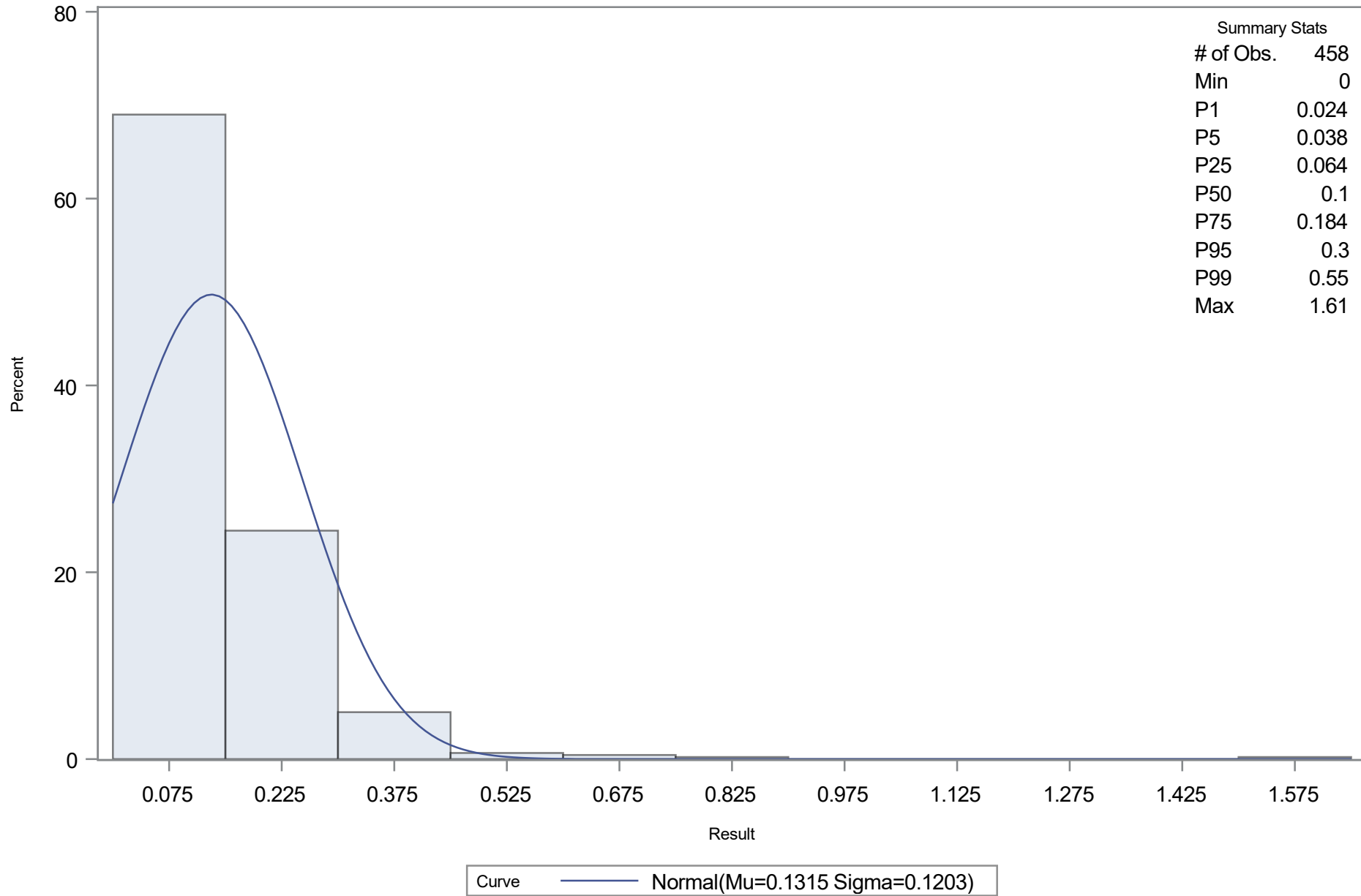
Timeseries of Hillsborough River Reservoir Surface Total Phosphorus (mg/l)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.13148
Std Dev	Sigma	0.120348

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1963572	Pr > D	<0.010
Cramer-von Mises	W-Sq	5.5718962	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	31.2539641	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02400	-0.14849
5.0	0.03800	-0.06647
10.0	0.04600	-0.02275
25.0	0.06400	0.05031
50.0	0.10000	0.13148
75.0	0.18400	0.21265
90.0	0.25900	0.28571
95.0	0.30000	0.32943
99.0	0.55000	0.41145

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

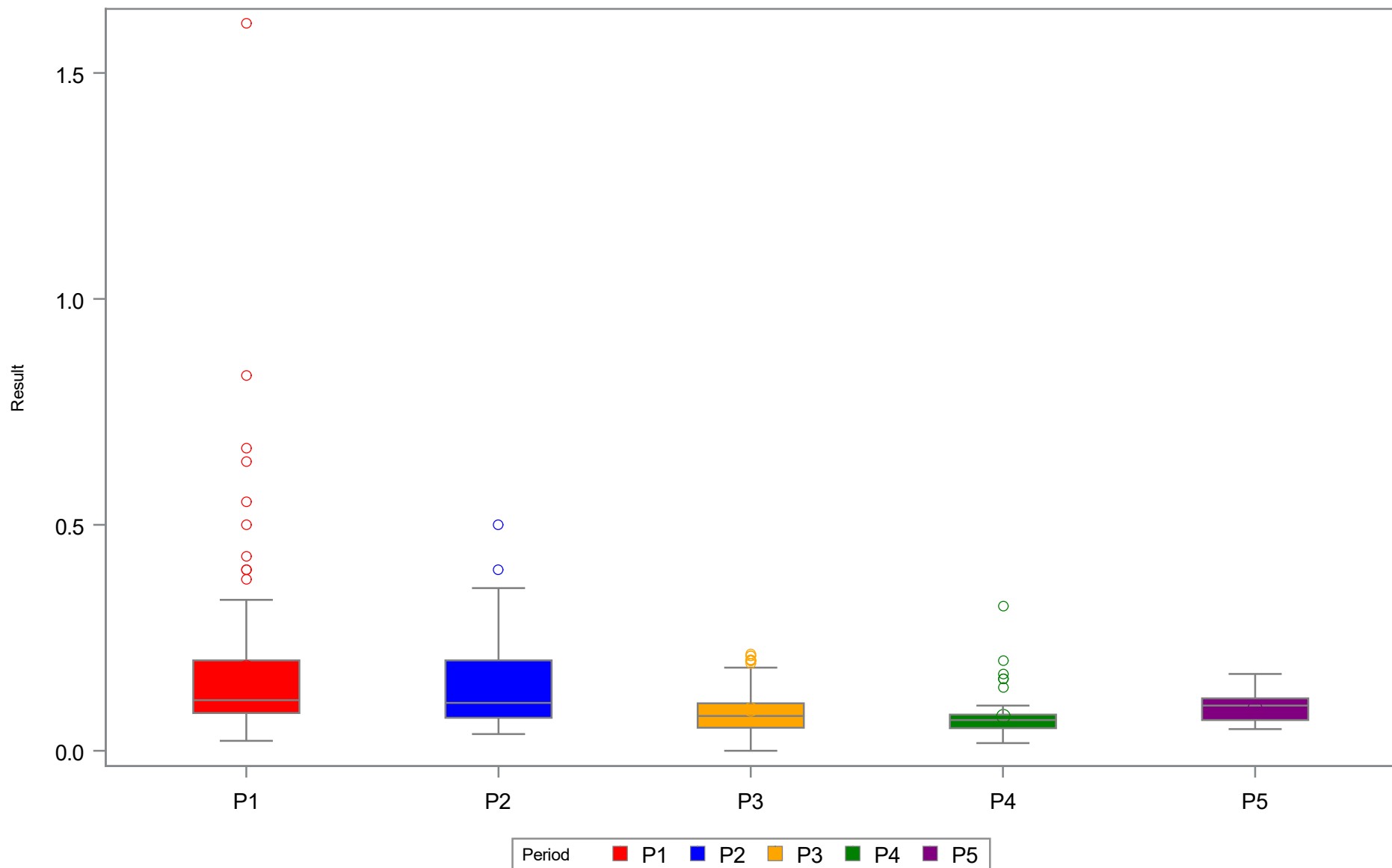
DRAFT Distributional Statistics by Period for Hillsborough River Reservoir Surface Total Phosphorus (mg/l)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	100	0.02	0.08	0.19	0.11	0.20	1.61
P2	175	0.04	0.07	0.15	0.11	0.20	0.50
P3	111	0.00	0.05	0.09	0.08	0.11	0.21
P4	49	0.02	0.05	0.08	0.07	0.08	0.32
P5	23	0.05	0.07	0.10	0.10	0.12	0.17

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

DRAFT

Boxplot by MFL Period for Hillsborough River Reservoir Surface Total Phosphorus (mg/l)



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

DRAFT

Timeseries of Upper Hillsborough River Surface Total Phosphorus (mg/l)



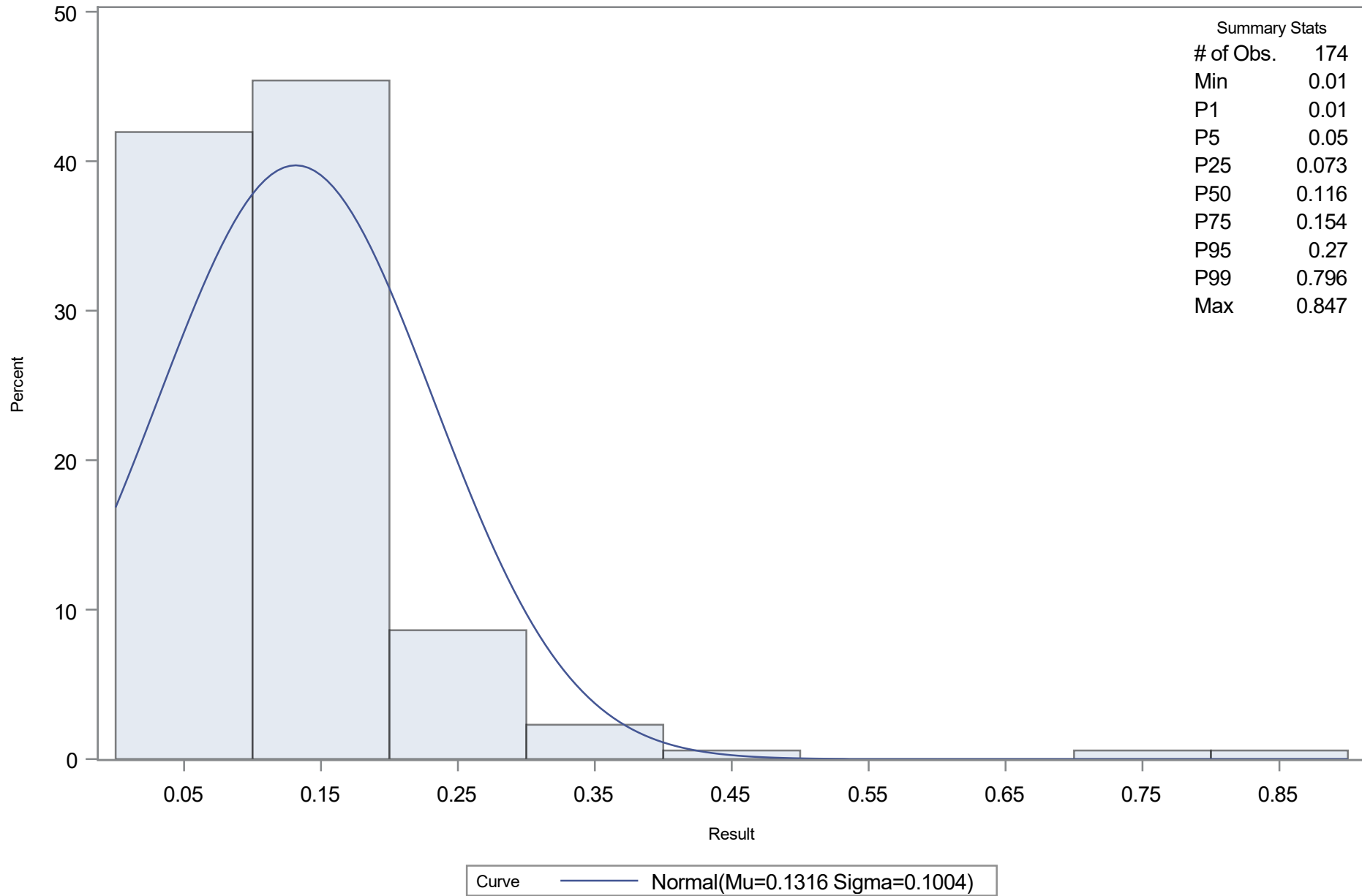
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Upper Hillsborough River Surface Total Phosphorus (mg/l)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.131557
Std Dev	Sigma	0.100421

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1728538	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.0793824	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	11.9482059	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.01000	-0.10206
5.0	0.05000	-0.03362
10.0	0.06000	0.00286
25.0	0.07300	0.06382
50.0	0.11600	0.13156
75.0	0.15400	0.19929
90.0	0.23000	0.26025
95.0	0.27000	0.29673
99.0	0.79600	0.36517

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

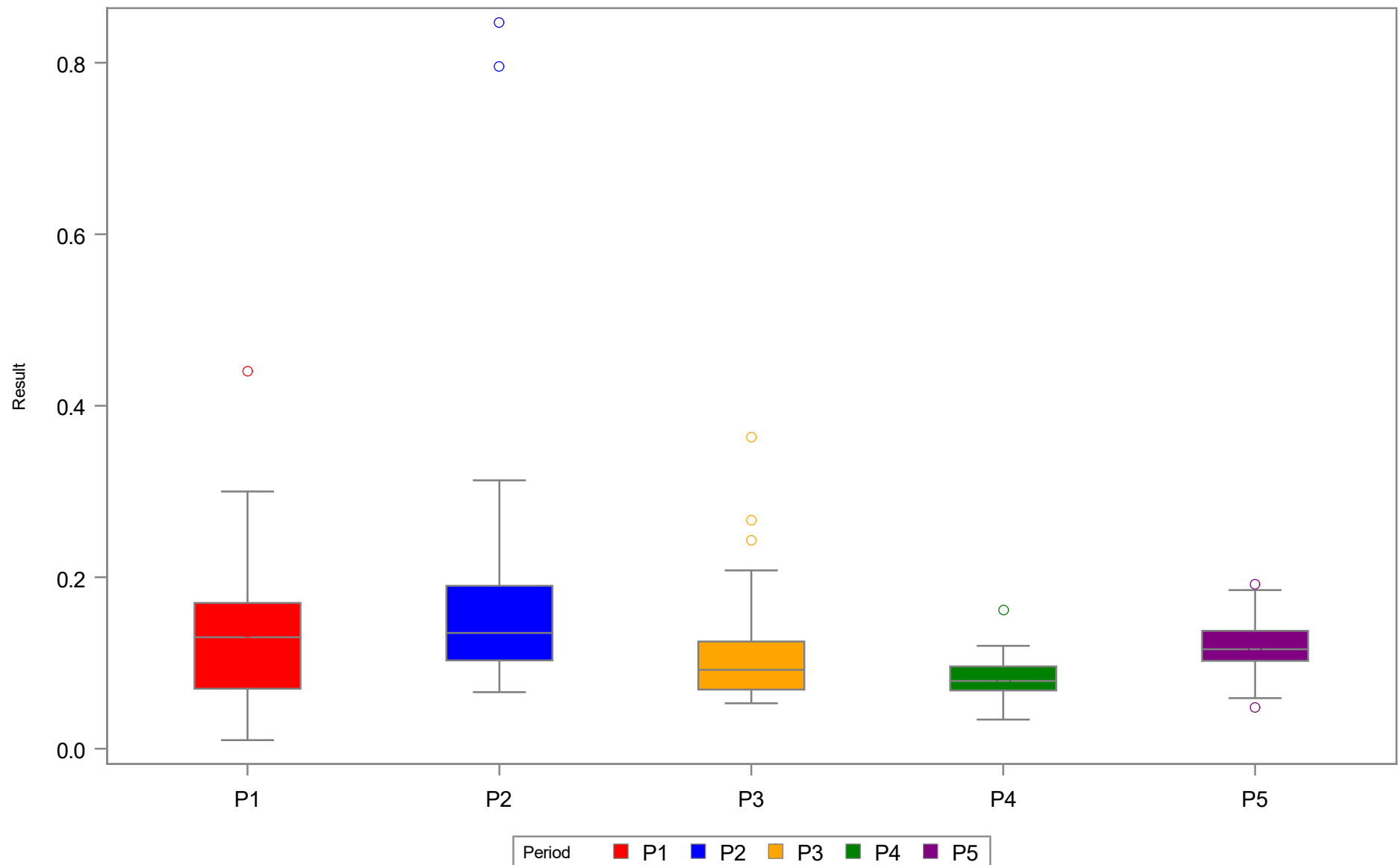
DRAFT Distributional Statistics by Period for Upper Hillsborough River Surface Total Phosphorus (mg/l)

	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	27	0.05	0.07	0.12	0.09	0.13	0.36
P4	27	0.03	0.07	0.08	0.08	0.10	0.16
P5	36	0.05	0.10	0.12	0.12	0.14	0.19

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

DRAFT

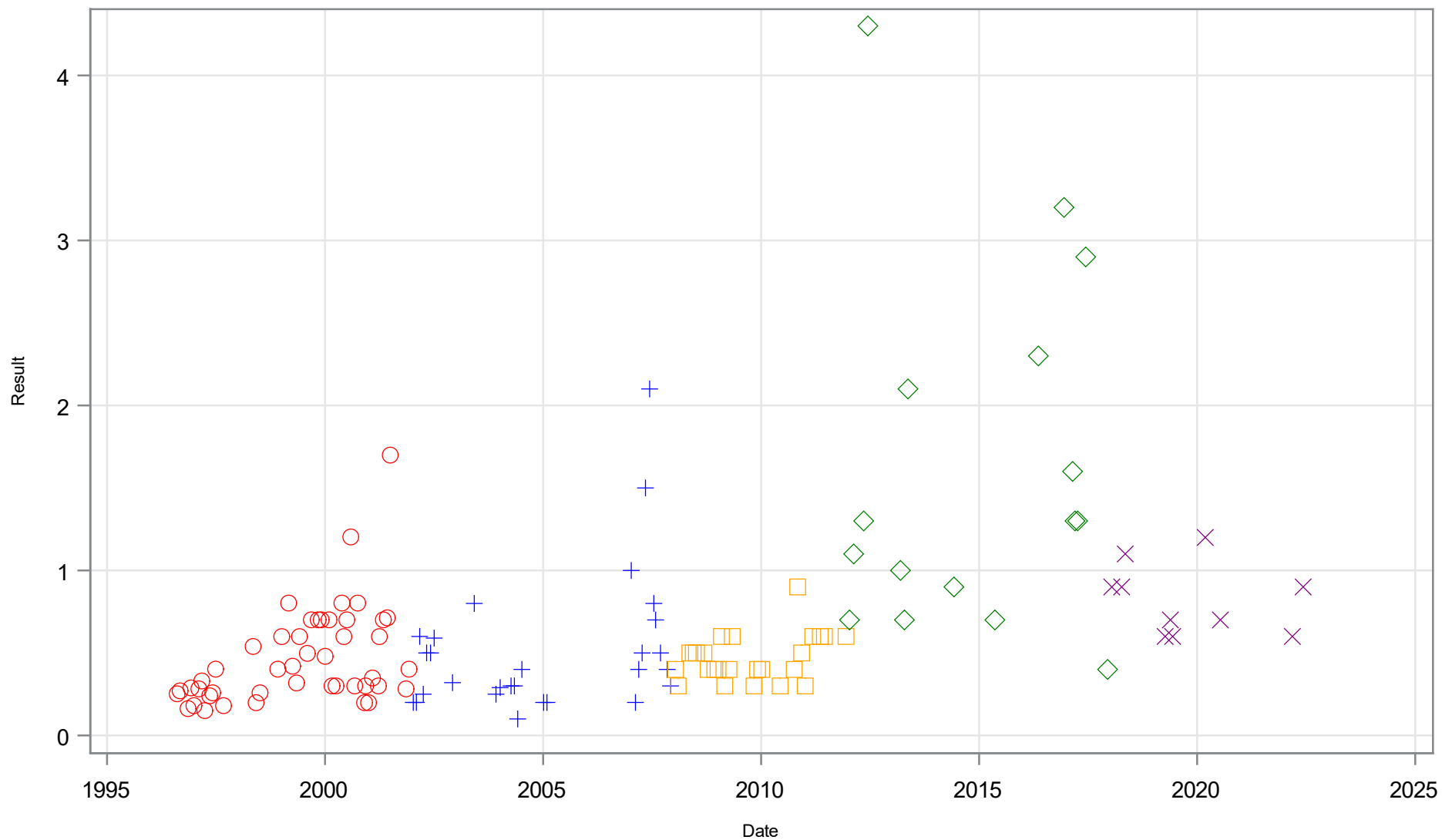
Boxplot by MFL Period for Upper Hillsborough River Surface Total Phosphorus (mg/l)



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

DRAFT

Timeseries of Sulphur Springs Run Surface Turbidity (ntu)



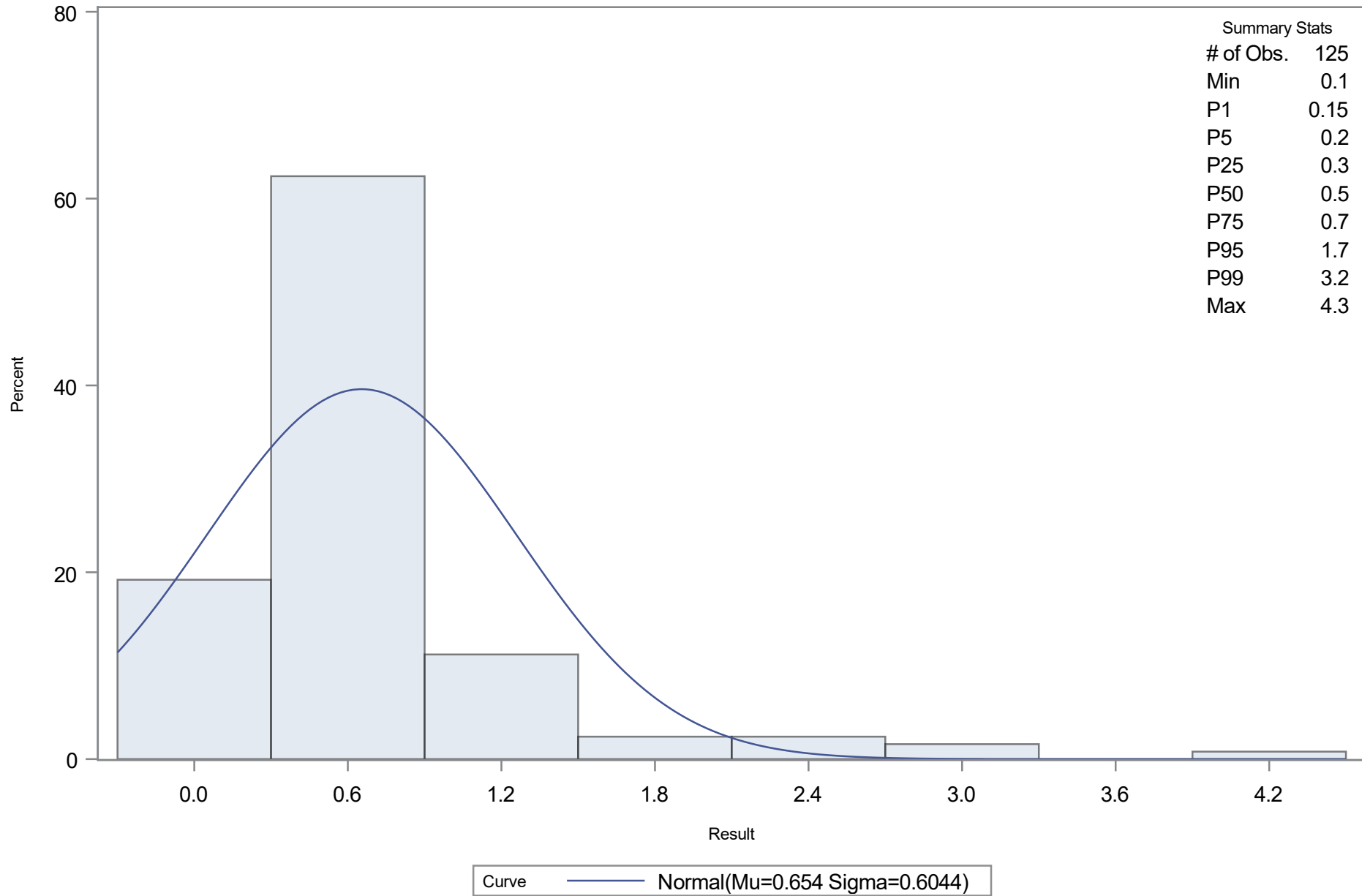
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

DRAFT

Univariate Histogram of Sulphur Springs Run Surface Turbidity (ntu)

Distribution of Result



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

Univariate Histogram of Sulphur Springs Run Surface Turbidity (ntu)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.654
Std Dev	Sigma	0.604442

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2390918	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.0337335	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	11.3102663	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.15000	-0.75214
5.0	0.20000	-0.34022
10.0	0.20000	-0.12062
25.0	0.30000	0.24631
50.0	0.50000	0.65400
75.0	0.70000	1.06169
90.0	1.20000	1.42862
95.0	1.70000	1.64822
99.0	3.20000	2.06014

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

DRAFT

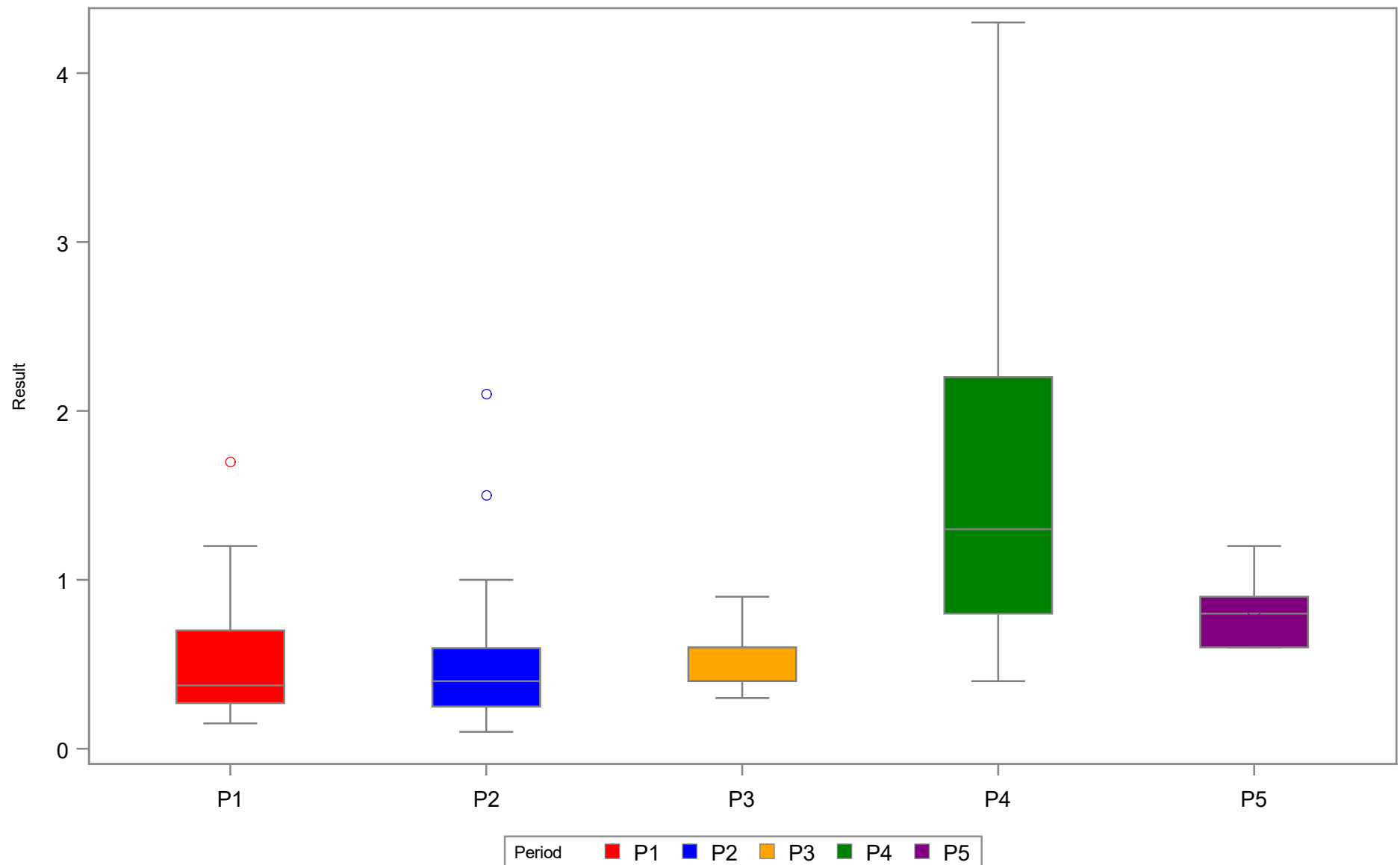
Distributional Statistics by Period for Sulphur Springs Run Surface Turbidity (ntu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	46	0.15	0.27	0.47	0.38	0.70	1.70
P2	28	0.10	0.25	0.51	0.40	0.60	2.10
P3	25	0.30	0.40	0.47	0.40	0.60	0.90
P4	16	0.40	0.80	1.61	1.30	2.20	4.30
P5	10	0.60	0.60	0.82	0.80	0.90	1.20

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

DRAFT

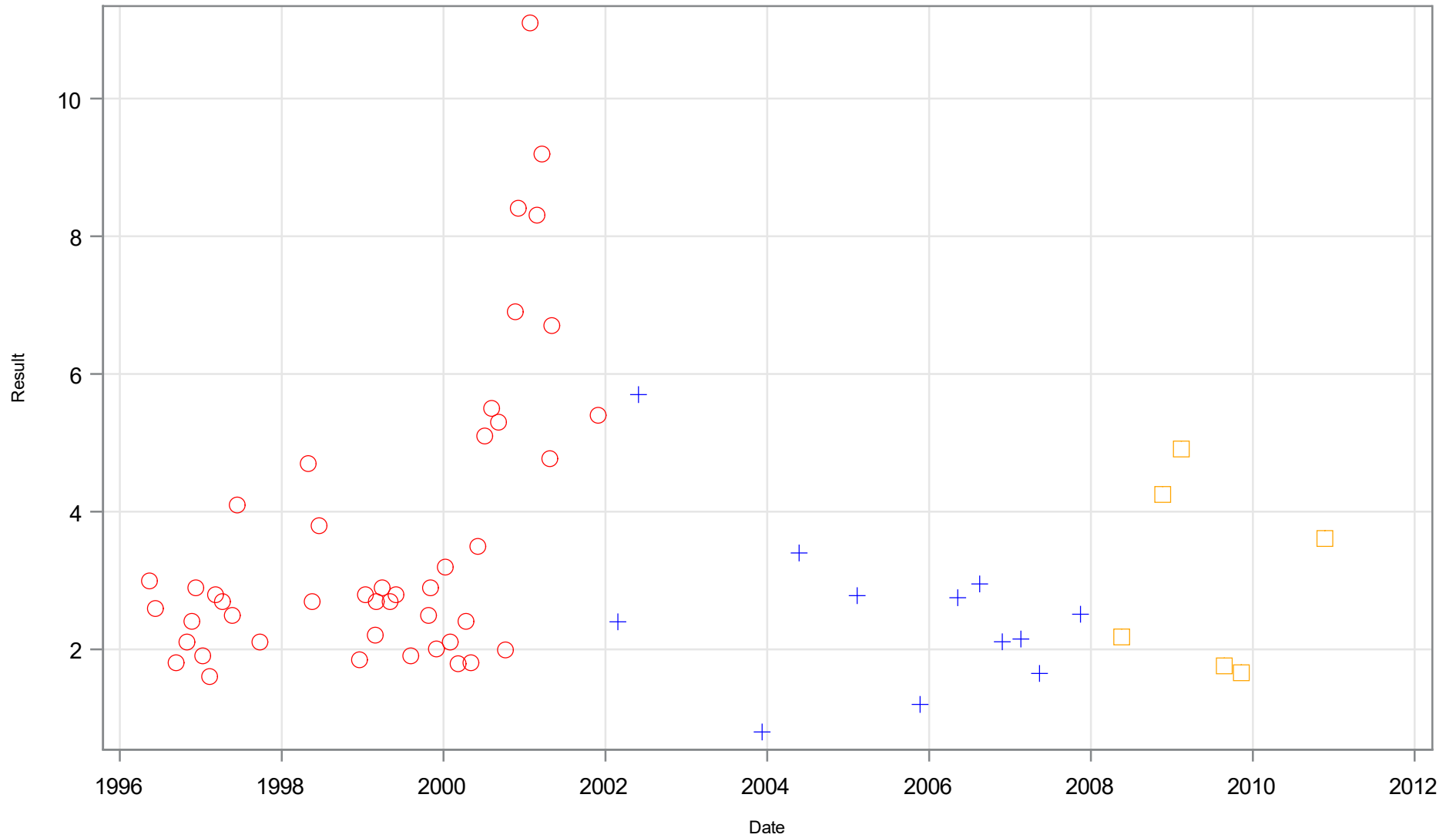
Boxplot by MFL Period for Sulphur Springs Run Surface Turbidity (ntu)



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

DRAFT

Timeseries of Tampa Bypass Canal Surface Turbidity (ntu)



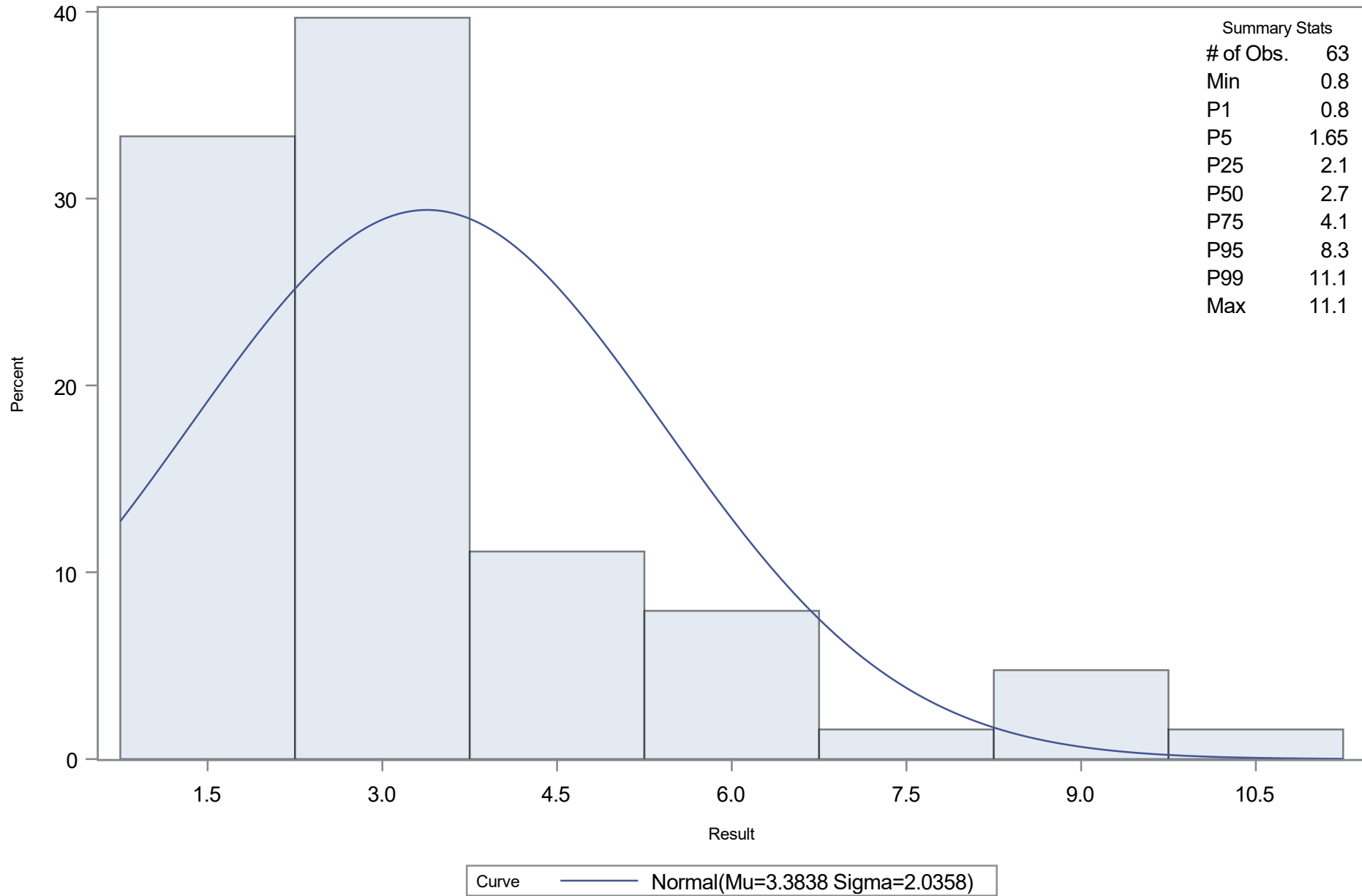
Period ○ P1 + P2 □ P3

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

DRAFT

Univariate Histogram of Tampa Bypass Canal Surface Turbidity (ntu)

Distribution of Result



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

Univariate Histogram of Tampa Bypass Canal Surface Turbidity (ntu)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.38381
Std Dev	Sigma	2.035825

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.24143520	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.80502198	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	4.35202864	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.80000	-1.35223
5.0	1.65000	0.03518
10.0	1.79000	0.77480
25.0	2.10000	2.01067
50.0	2.70000	3.38381
75.0	4.10000	4.75695
90.0	5.70000	5.99282
95.0	8.30000	6.73244
99.0	11.10000	8.11985

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

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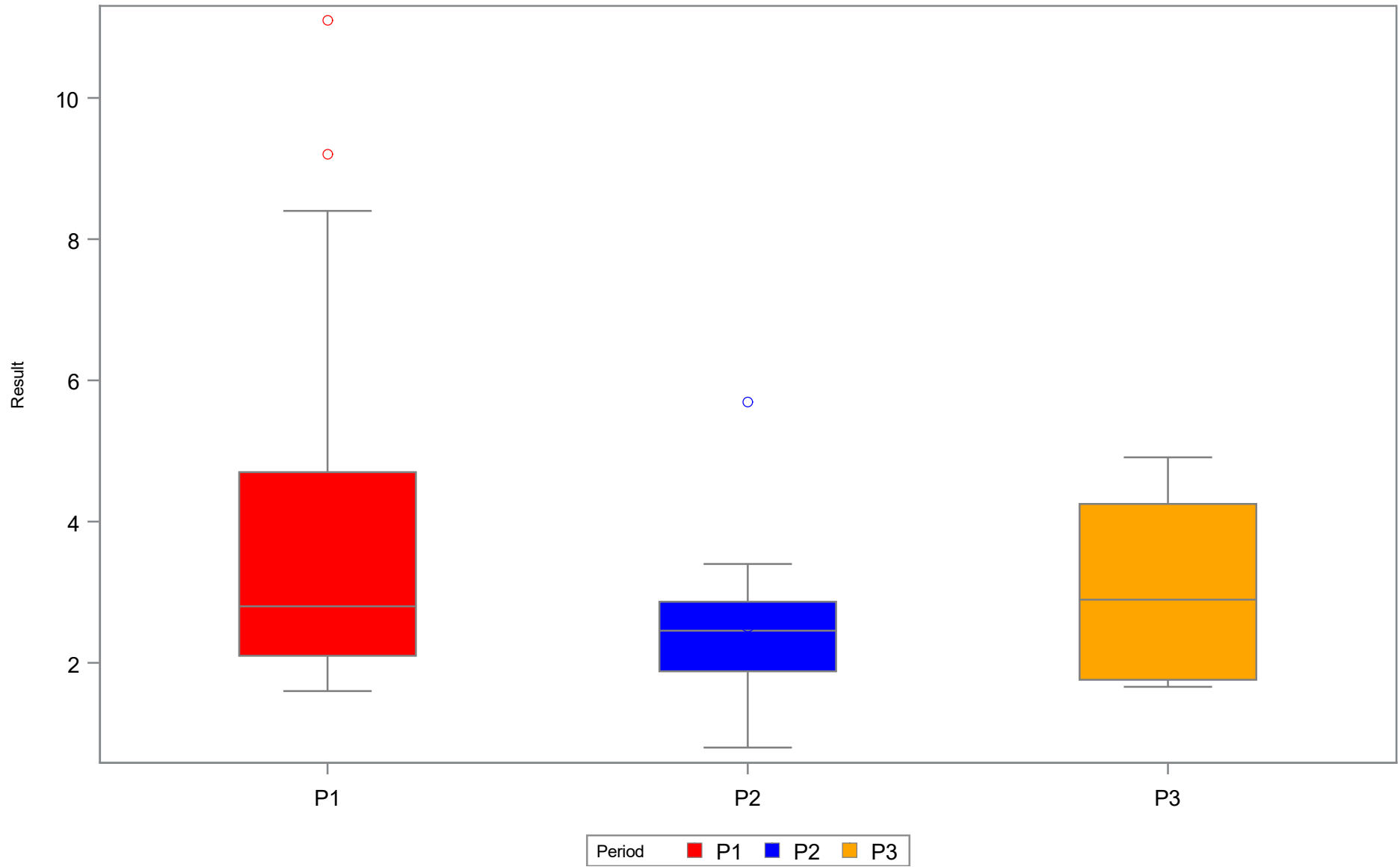
Distributional Statistics by Period for Tampa Bypass Canal Surface Turbidity (ntu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	45	1.60	2.10	3.65	2.80	4.70	11.10
P2	12	0.80	1.88	2.53	2.46	2.87	5.70
P3	6	1.66	1.76	3.06	2.90	4.25	4.91

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

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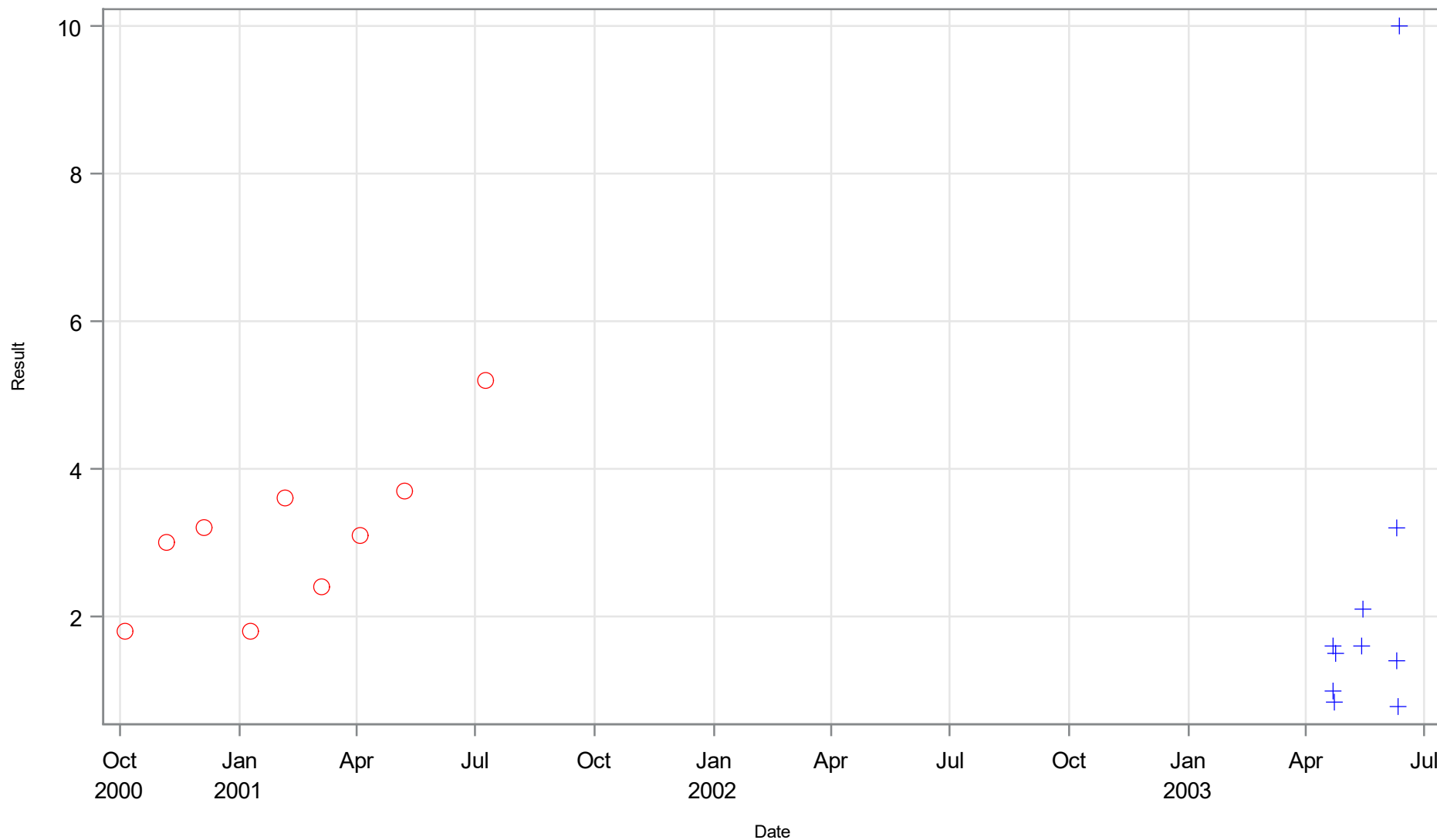
Boxplot by MFL Period for Tampa Bypass Canal Surface Turbidity (ntu)



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

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Timeseries of Hillsborough River Reservoir Bottom Turbidity (ntu)



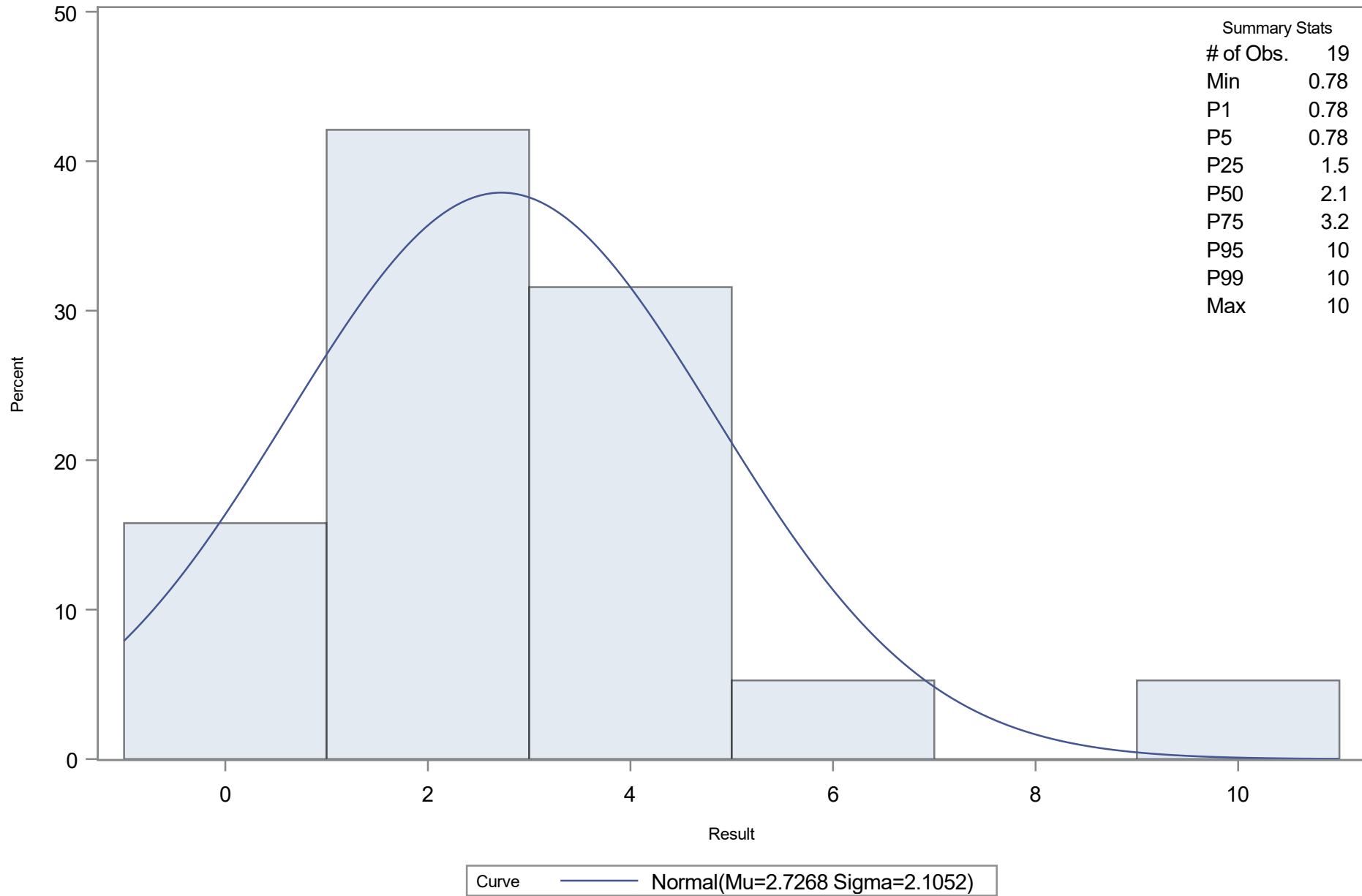
Period ○ P1 + P2

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

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Univariate Histogram of Hillsborough River Reservoir Bottom Turbidity (ntu)

Distribution of Result



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

DRAFT**Univariate Histogram of Hillsborough River Reservoir Bottom Turbidity (ntu)****Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.726842
Std Dev	Sigma	2.105237

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.21668581	Pr > D	0.019
Cramer-von Mises	W-Sq	0.21737542	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.40516142	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.78000	-2.17067
5.0	0.78000	-0.73596
10.0	0.84000	0.02887
25.0	1.50000	1.30688
50.0	2.10000	2.72684
75.0	3.20000	4.14680
90.0	5.20000	5.42481
95.0	10.00000	6.18965
99.0	10.00000	7.62436

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

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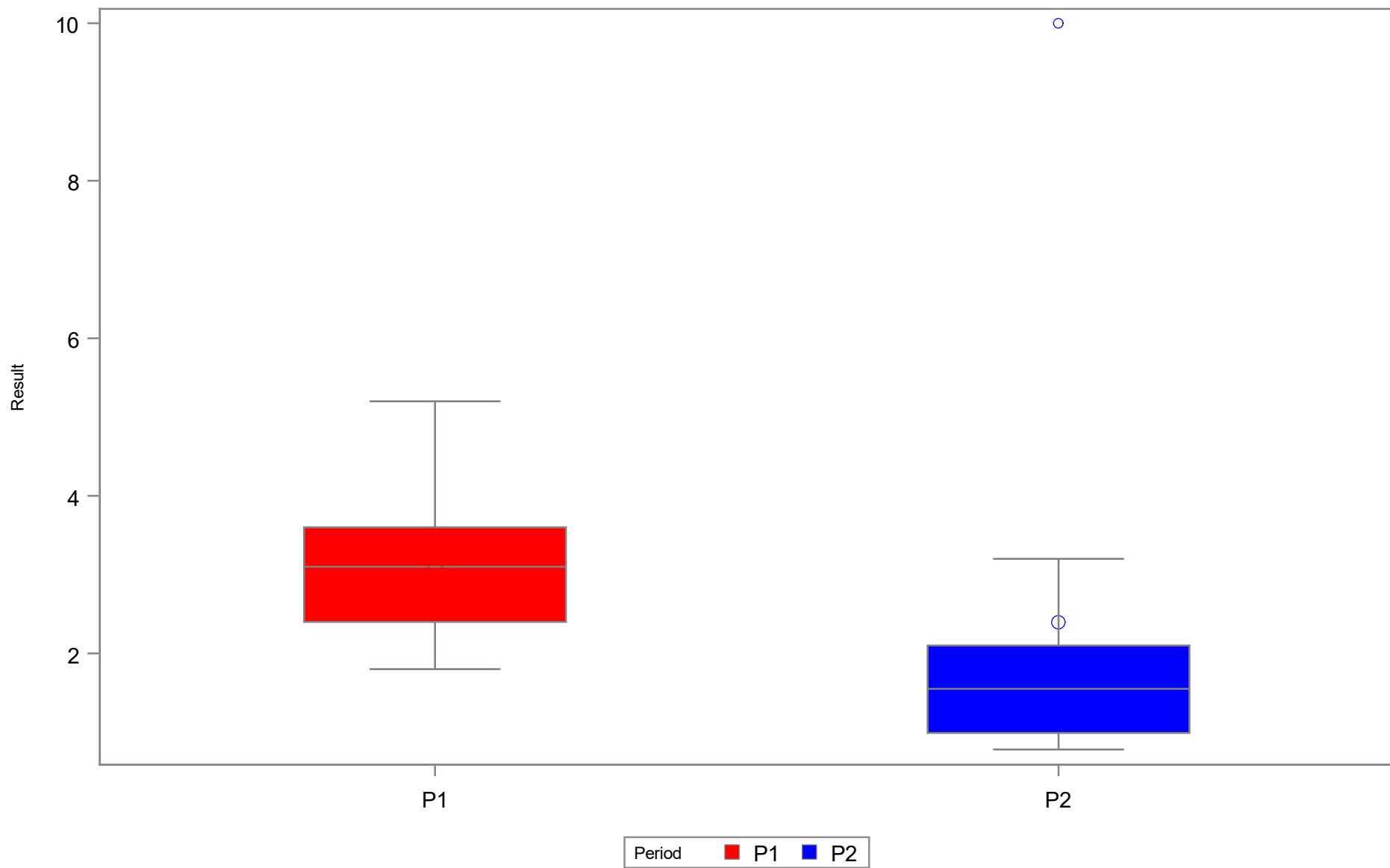
Distributional Statistics by Period for Hillsborough River Reservoir Bottom Turbidity (ntu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	9	1.80	2.40	3.09	3.10	3.60	5.20
P2	10	0.78	0.99	2.40	1.55	2.10	10.00

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

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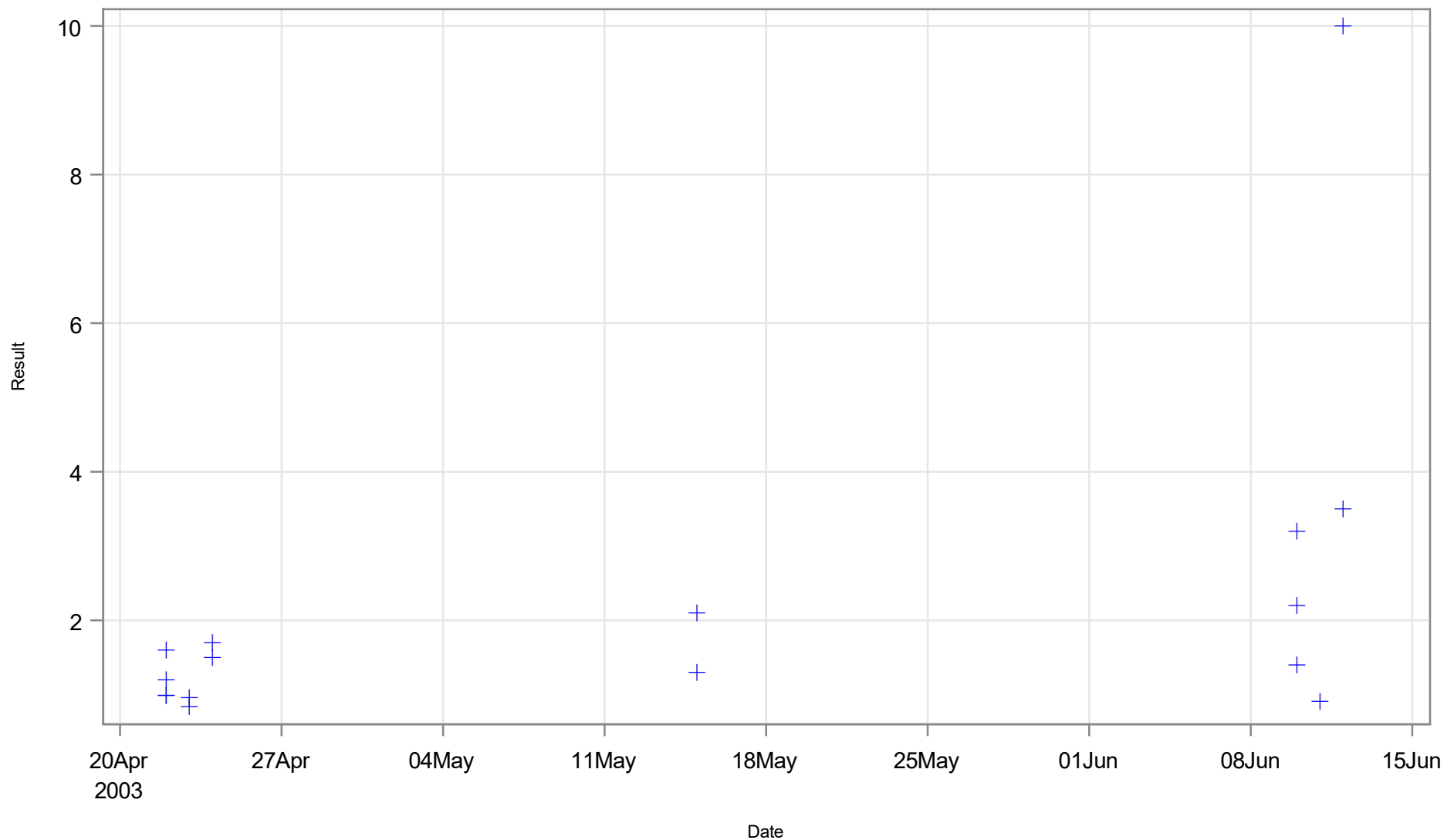
Boxplot by MFL Period for Hillsborough River Reservoir Bottom Turbidity (ntu)



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

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Timeseries of Hillsborough River Reservoir Midwater Turbidity (ntu)



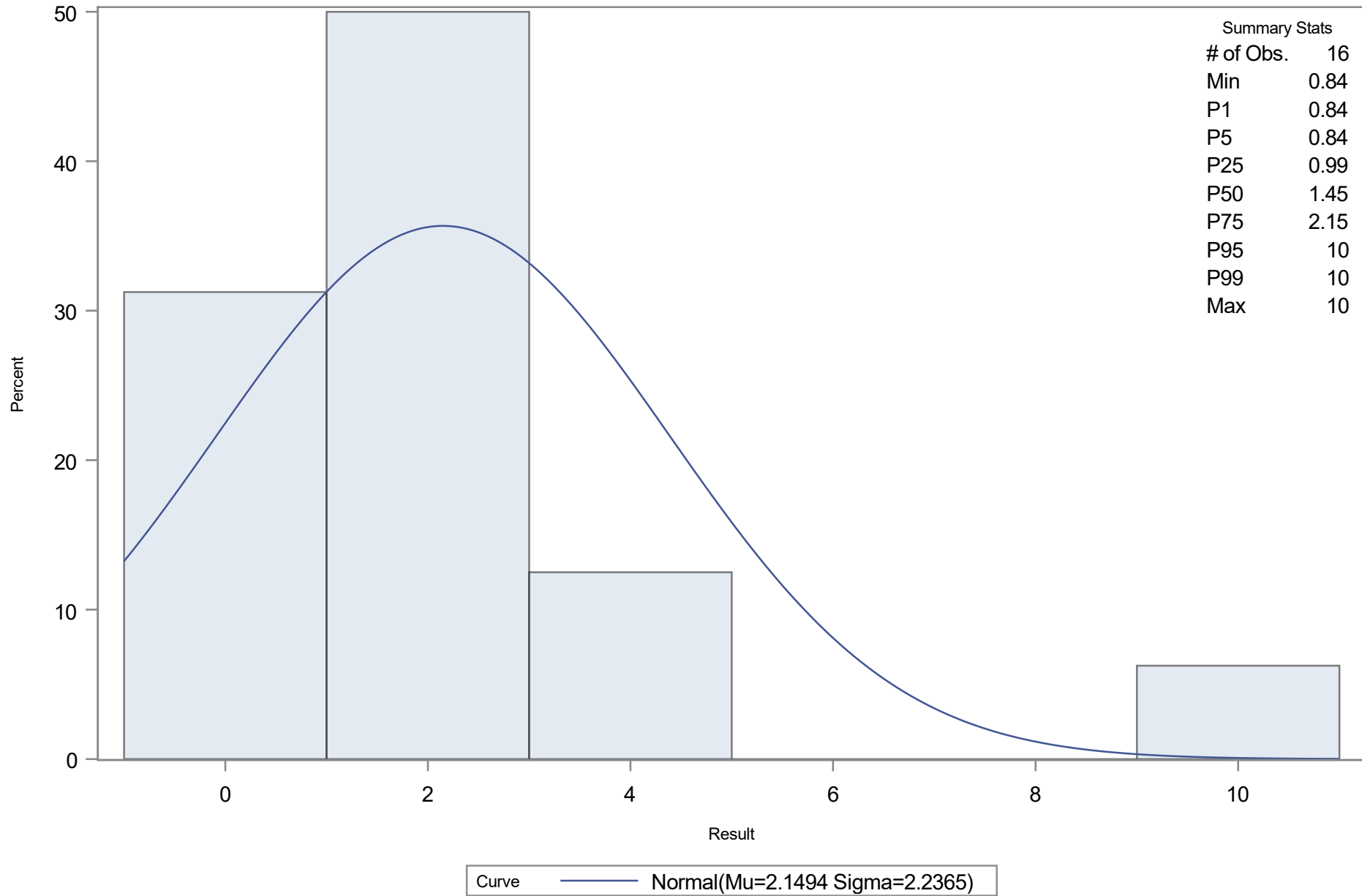
Period + P2

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

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Univariate Histogram of Hillsborough River Reservoir Midwater Turbidity (ntu)

Distribution of Result



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

Fitted Normal Distribution for Result (Result)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.149375
Std Dev	Sigma	2.236493

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.30347036	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.44409459	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.49249869	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.84000	-3.05349
5.0	0.84000	-1.52933
10.0	0.91000	-0.71681
25.0	0.99000	0.64088
50.0	1.45000	2.14938
75.0	2.15000	3.65787
90.0	3.50000	5.01556
95.0	10.00000	5.82808
99.0	10.00000	7.35224

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

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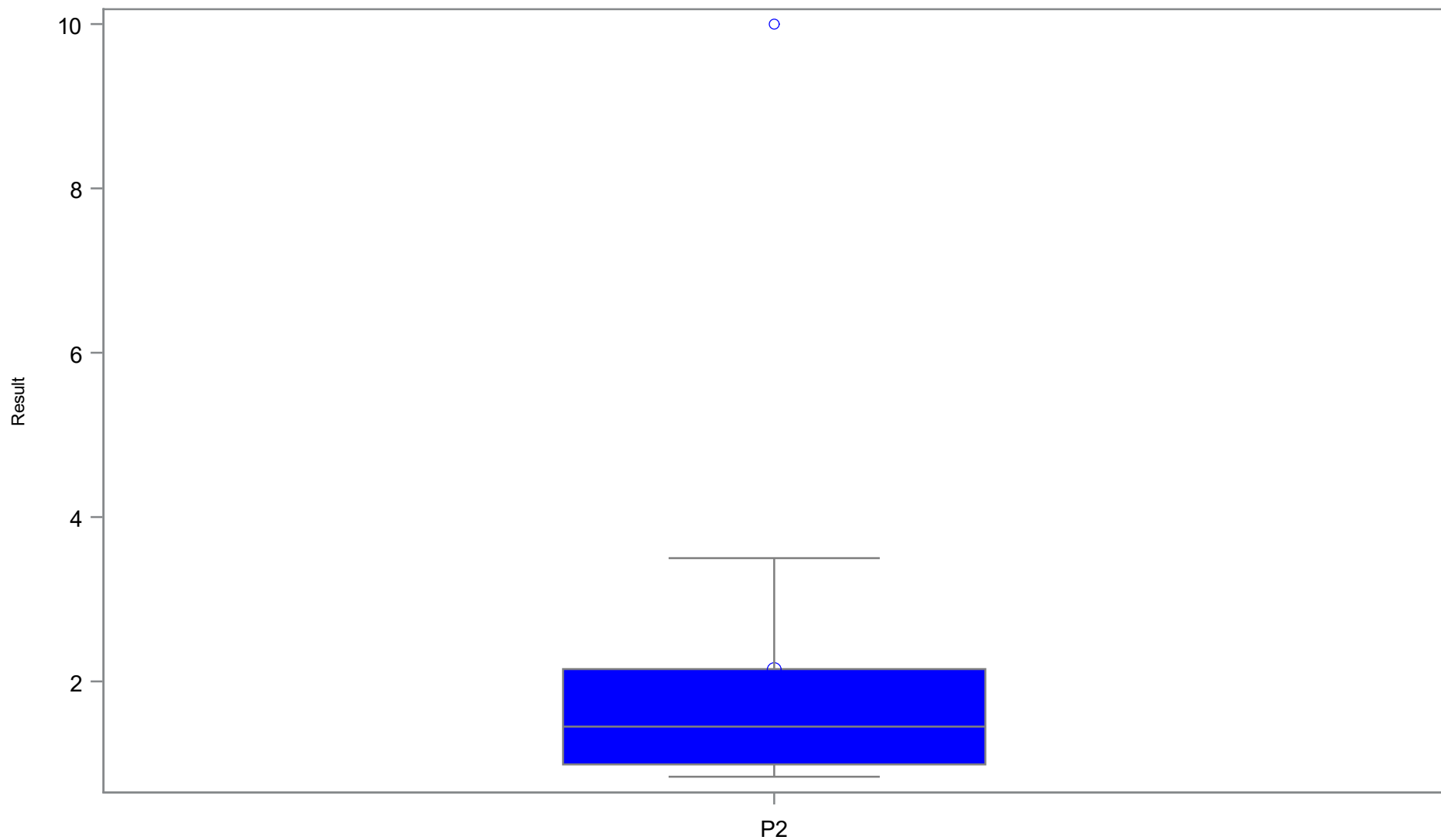
Distributional Statistics by Period for Hillsborough River Reservoir Midwater Turbidity (ntu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P2	16	0.84	0.99	2.15	1.45	2.15	10.00

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

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Boxplot by MFL Period for Hillsborough River Reservoir Midwater Turbidity (ntu)

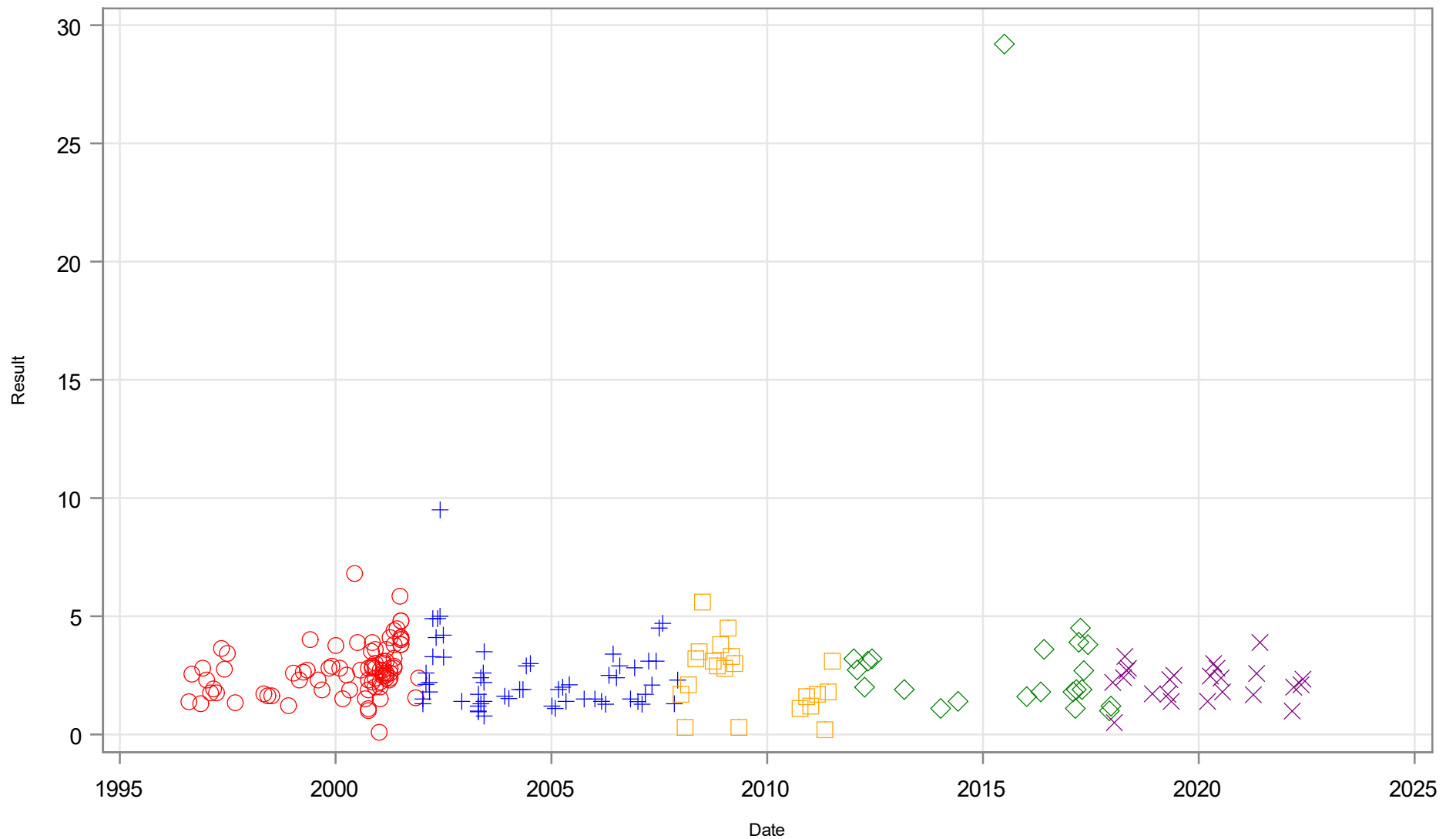


Period ■ P2

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

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Timeseries of Hillsborough River Reservoir Surface Turbidity (ntu)



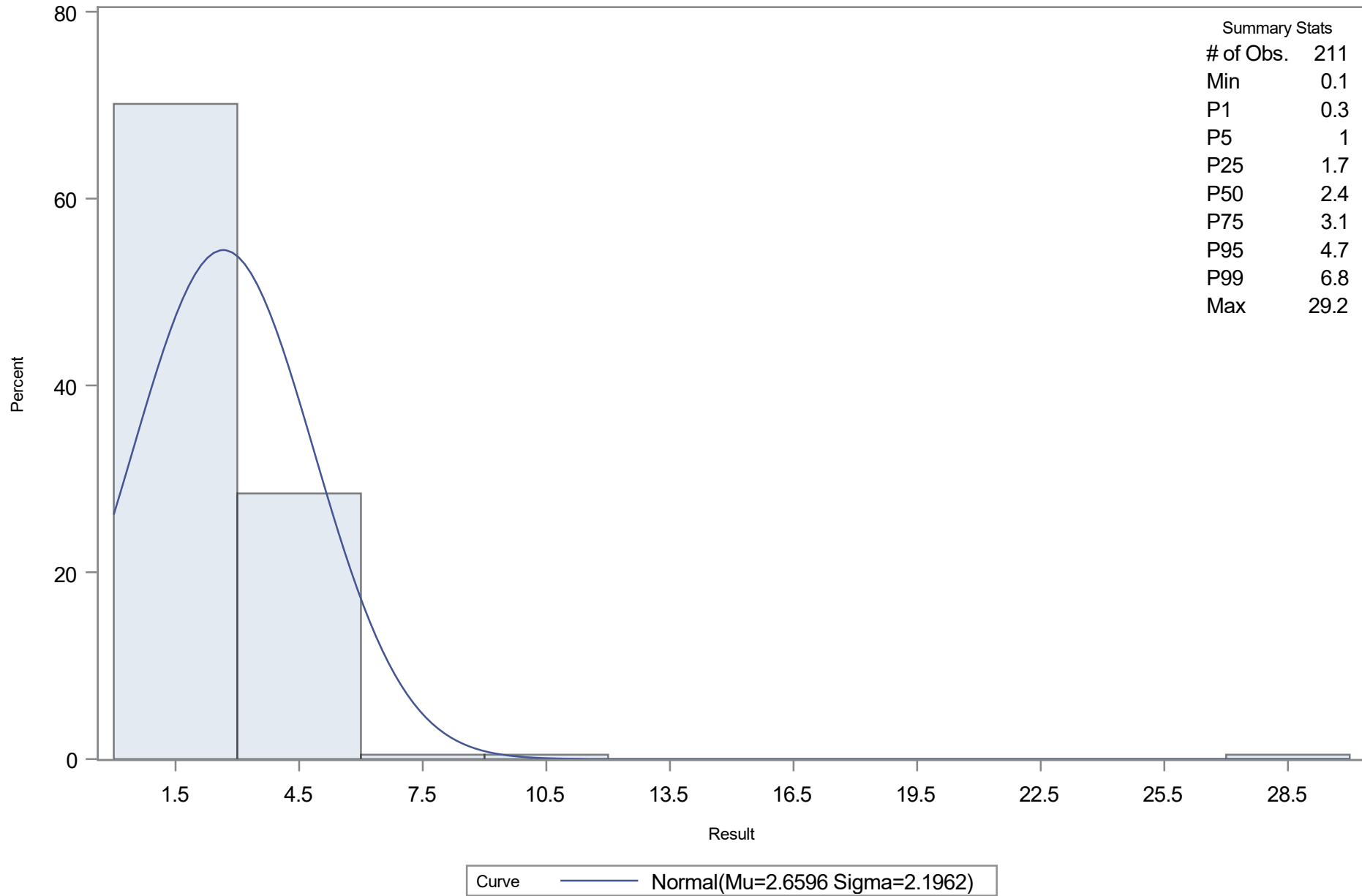
Period ○ P1 + P2 □ P3 ◇ P4 × P5

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

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Univariate Histogram of Hillsborough River Reservoir Surface Turbidity (ntu)

Distribution of Result



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

Univariate Histogram of Hillsborough River Reservoir Surface Turbidity (ntu)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.659621
Std Dev	Sigma	2.196177

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1910590	Pr > D	<0.010
Cramer-von Mises	W-Sq	2.9616693	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	17.8501118	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.30000	-2.44945
5.0	1.00000	-0.95277
10.0	1.28000	-0.15489
25.0	1.70000	1.17832
50.0	2.40000	2.65962
75.0	3.10000	4.14092
90.0	4.00000	5.47413
95.0	4.70000	6.27201
99.0	6.80000	7.76869

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

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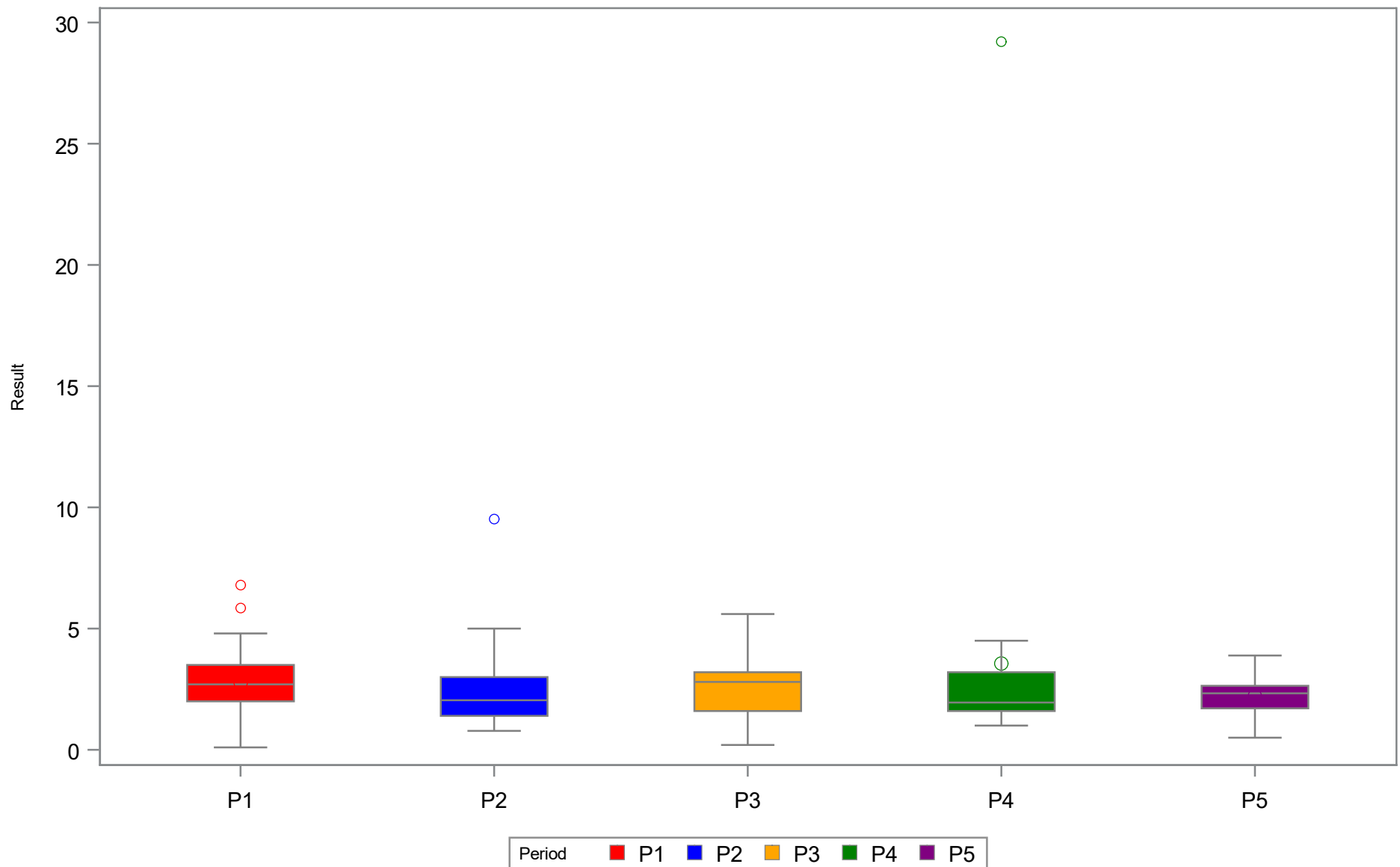
Distributional Statistics by Period for Hillsborough River Reservoir Surface Turbidity (ntu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	86	0.10	2.00	2.77	2.70	3.50	6.80
P2	58	0.78	1.40	2.42	2.05	3.00	9.50
P3	21	0.20	1.60	2.42	2.80	3.20	5.60
P4	22	1.00	1.60	3.57	1.95	3.20	29.20
P5	24	0.50	1.71	2.21	2.33	2.64	3.89

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

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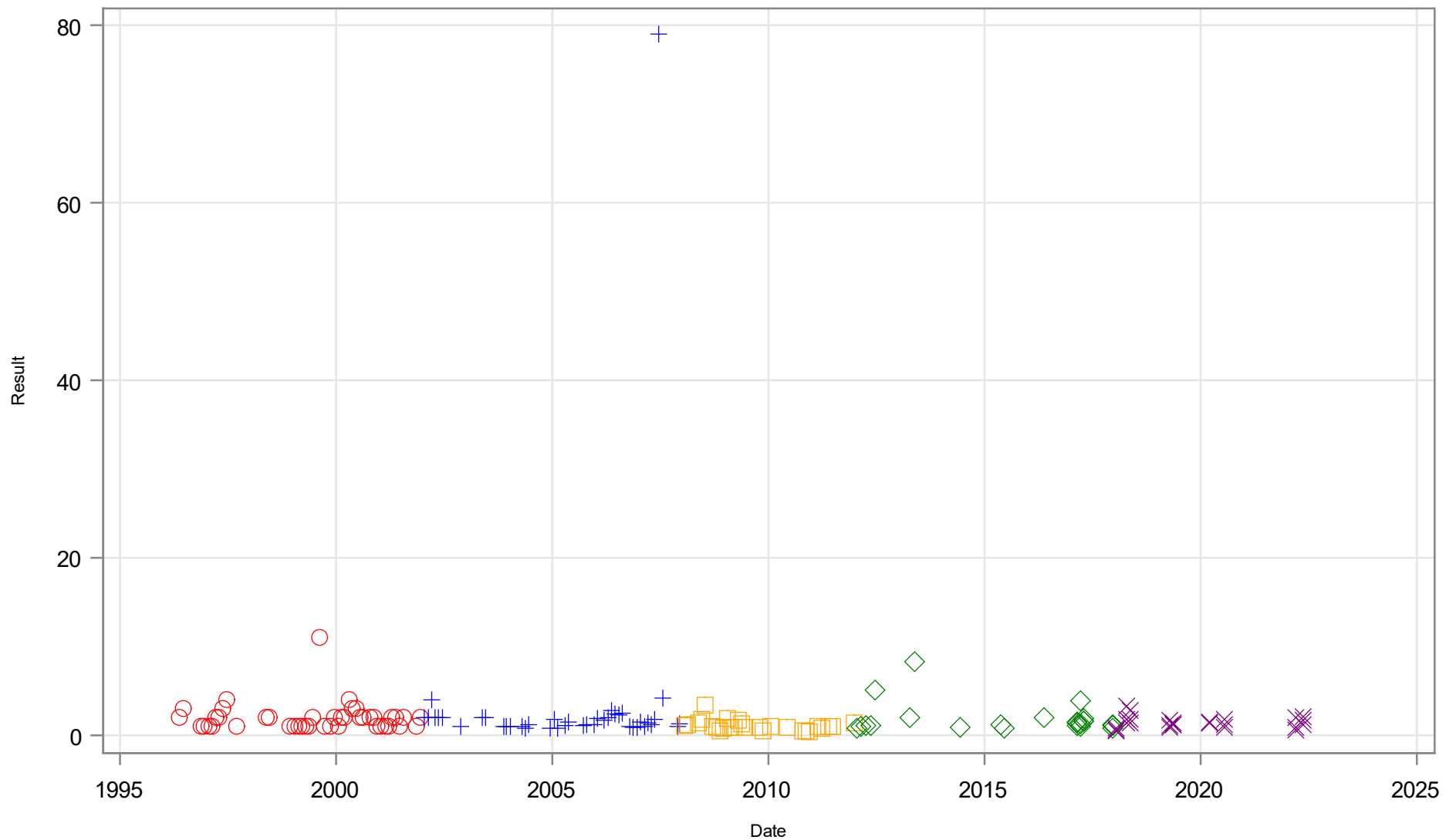
Boxplot by MFL Period for Hillsborough River Reservoir Surface Turbidity (ntu)



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

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Timeseries of Upper Hillsborough River Surface Turbidity (ntu)



Period ○ P1 + P2 □ P3 ◇ P4 × P5

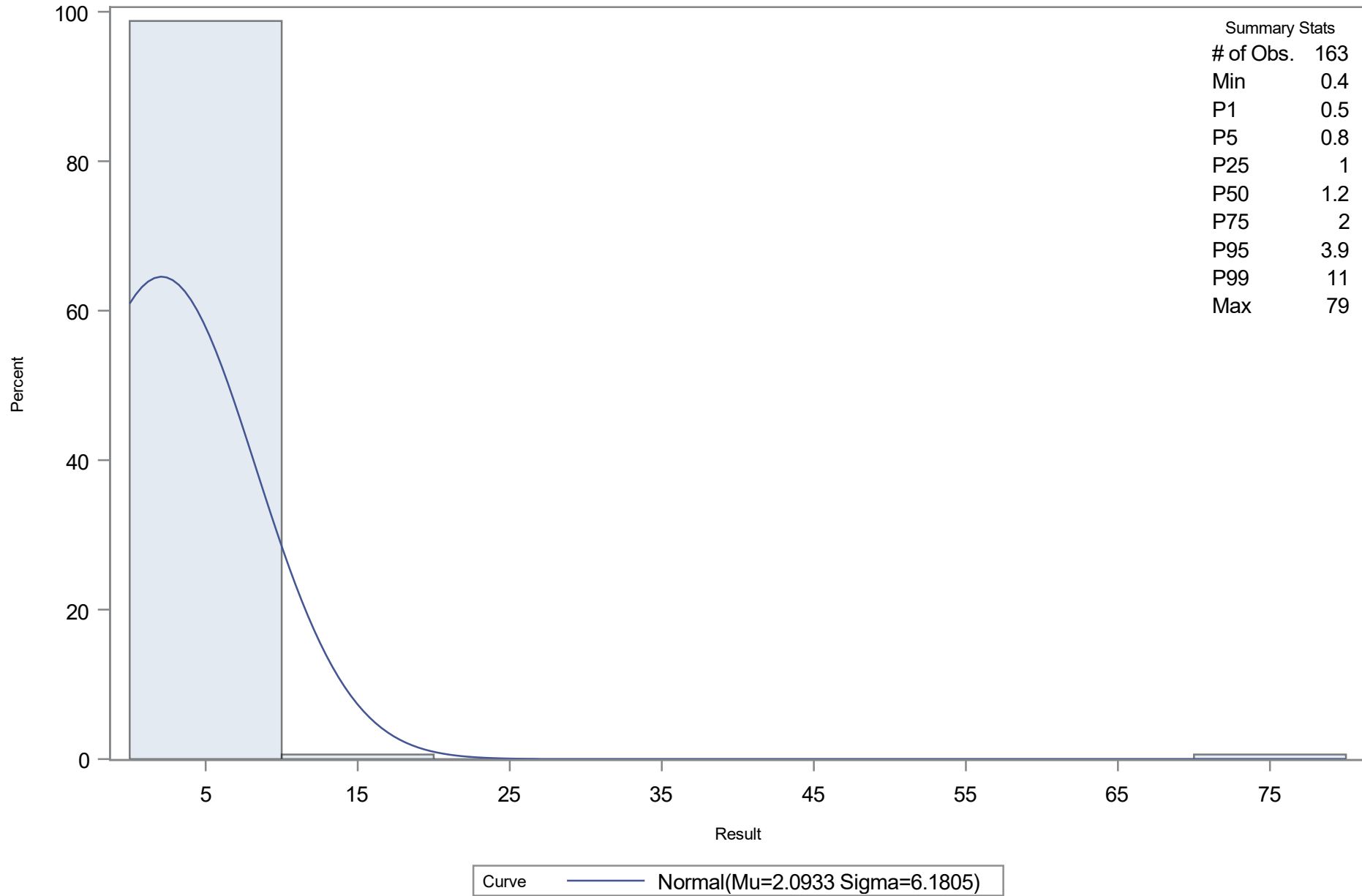
Period of Record: January 1996 through December 2023

Analysis Days Only

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Univariate Histogram of Upper Hillsborough River Surface Turbidity (ntu)

Distribution of Result



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

Univariate Histogram of Upper Hillsborough River Surface Turbidity (ntu)**Fitted Normal Distribution for Result (Result)**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.093252
Std Dev	Sigma	6.180496

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.3921507	Pr > D	<0.010
Cramer-von Mises	W-Sq	9.3603780	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	45.6349378	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.50000	-12.28473
5.0	0.80000	-8.07276
10.0	0.80000	-5.82737
25.0	1.00000	-2.07543
50.0	1.20000	2.09325
75.0	2.00000	6.26193
90.0	2.80000	10.01388
95.0	3.90000	12.25926
99.0	11.00000	16.47124

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

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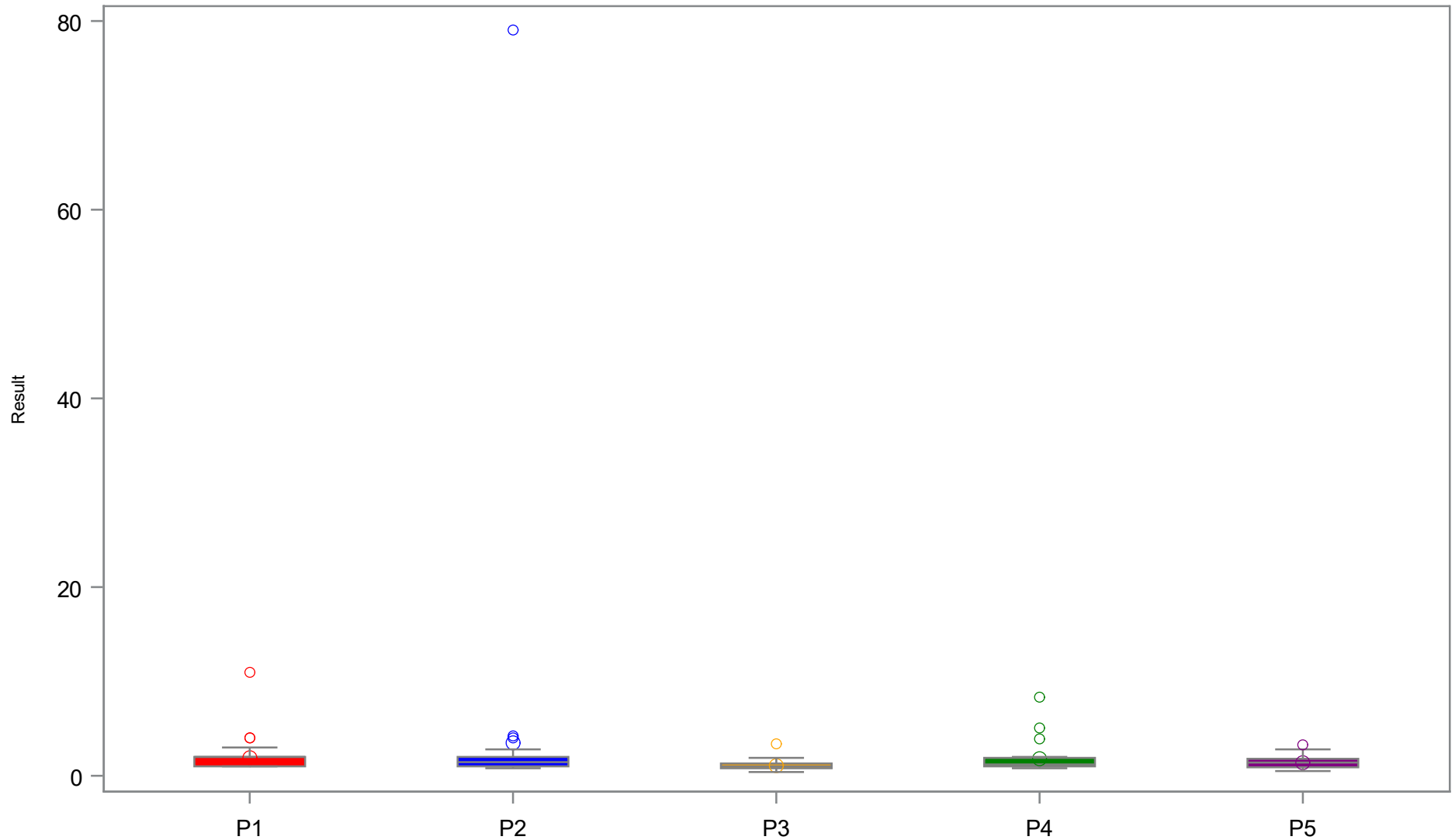
Distributional Statistics by Period for Upper Hillsborough River Surface Turbidity (ntu)

	N	Min	Q1	Mean	Median	Q3	Max
Period							
P1	44	1.00	1.00	1.93	2.00	2.00	11.00
P2	42	0.80	1.00	3.46	1.45	2.00	79.00
P3	27	0.40	0.80	1.10	1.00	1.30	3.40
P4	23	0.80	1.00	1.86	1.20	1.90	8.30
P5	27	0.50	0.90	1.43	1.40	1.80	3.30

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

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Boxplot by MFL Period for Upper Hillsborough River Surface Turbidity (ntu)



Period ■ P1 ■ P2 ■ P3 ■ P4 ■ P5

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