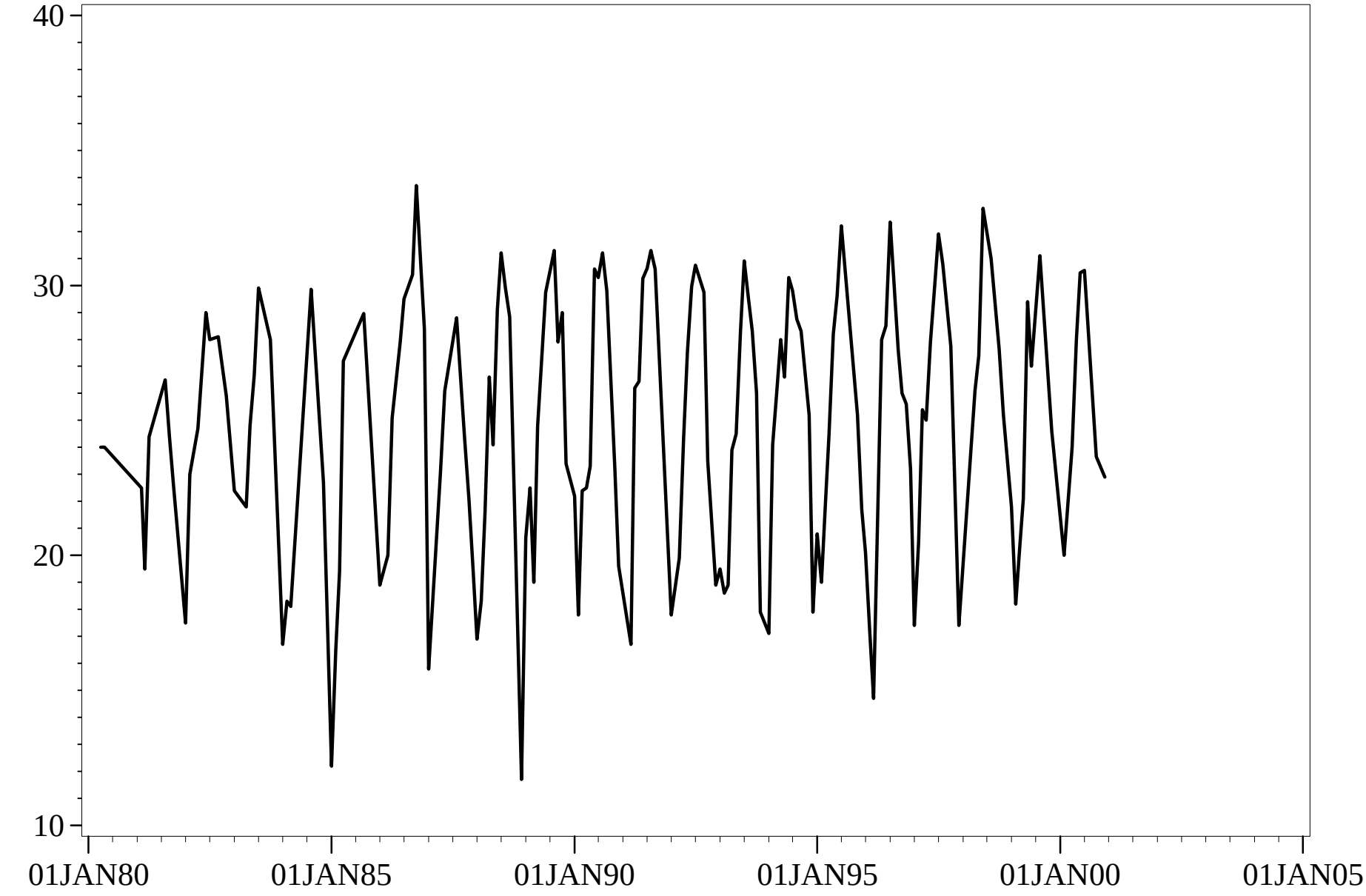
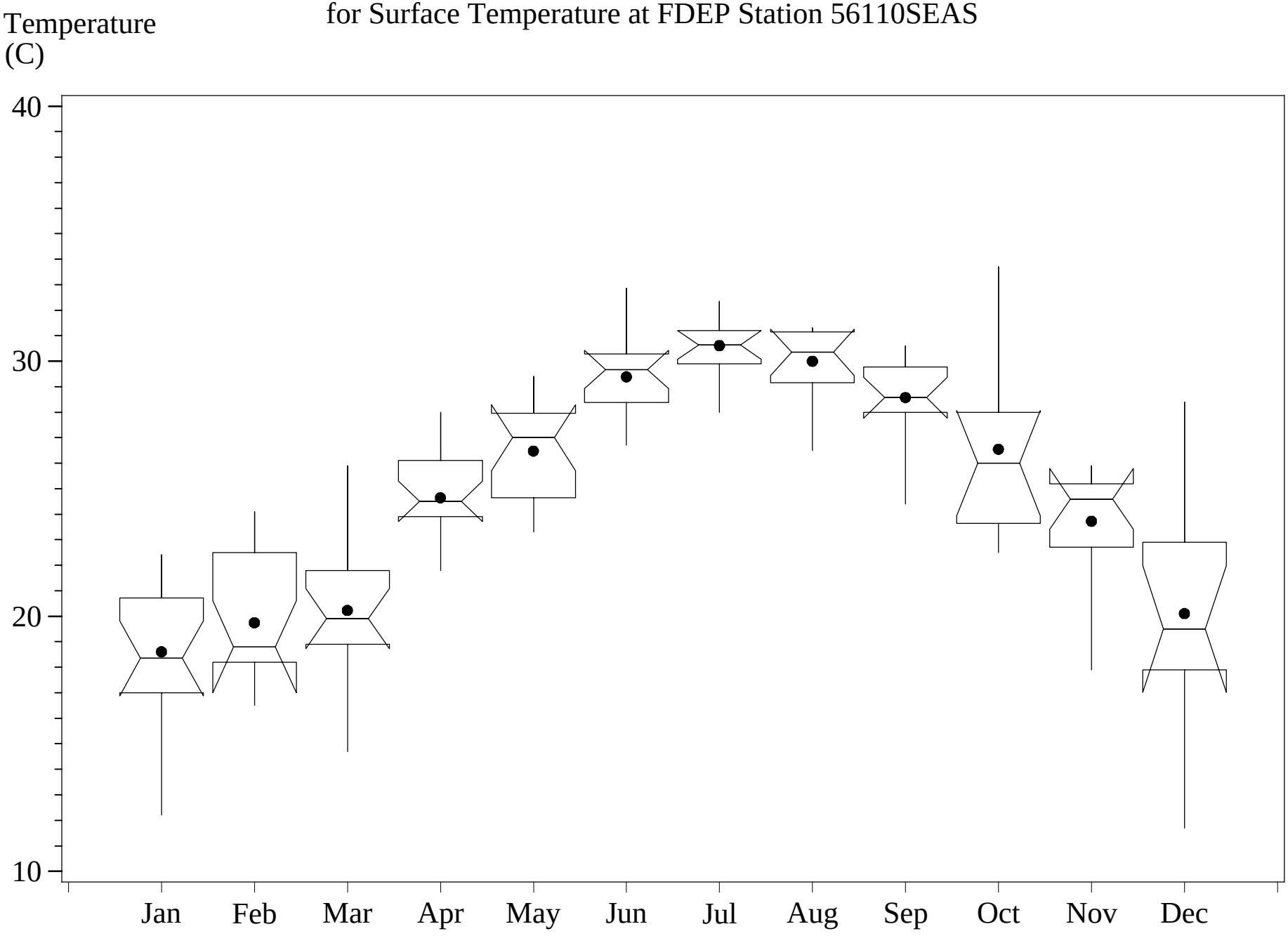
Lemon Bay Trends Appendix - Display 1
Monthly Data Time Series
for Surface Temperature at FDEP Station 56110SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 2

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56110SEAS



Lemon Bay Trends Appendix - Display 3

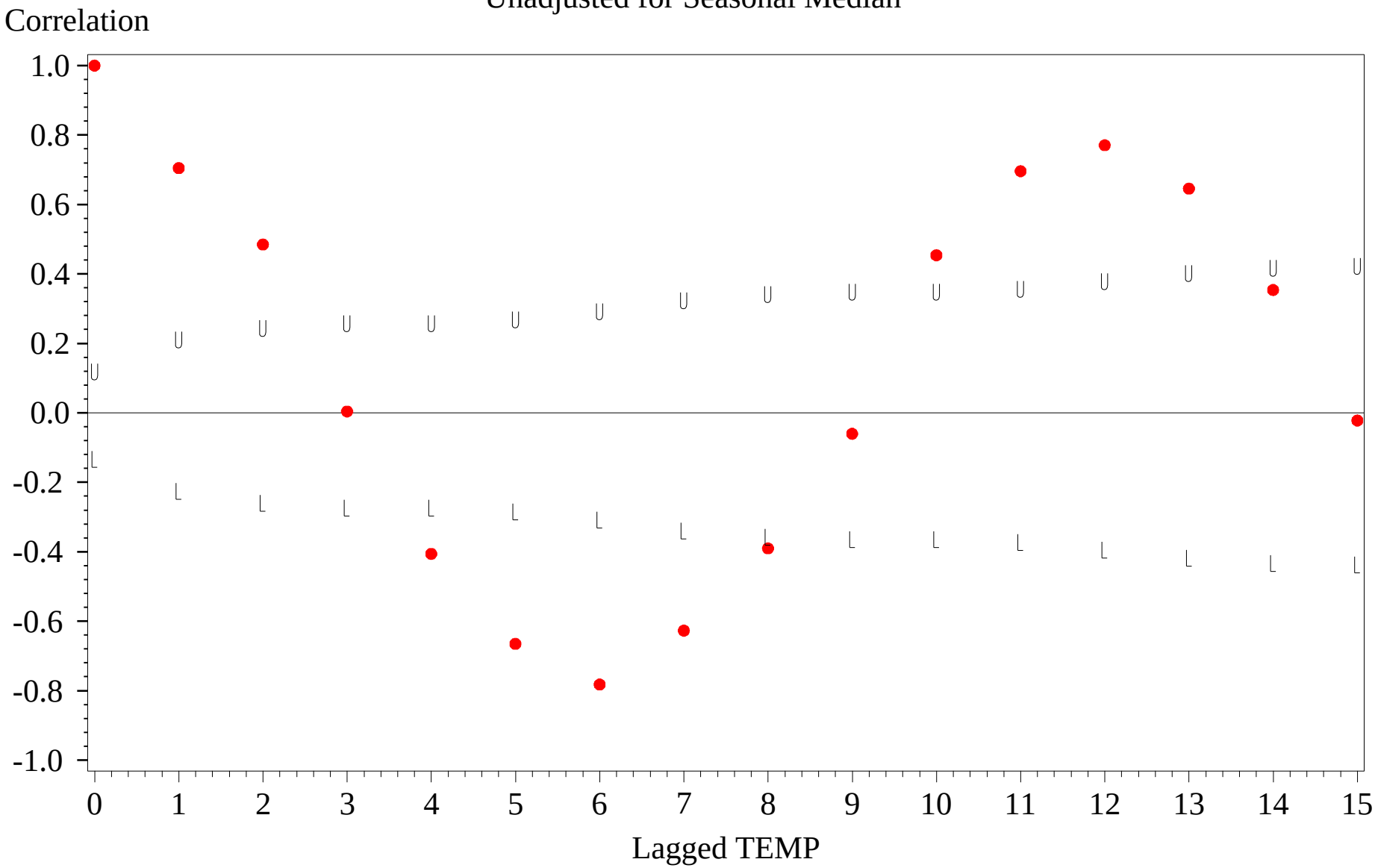
Autocorrelation Statistics for Surface Temperature at FDEP Station 56110SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.705	0.109	0.218	-0.218
2	0.485	0.126	0.252	-0.252
3	0.004	0.133	0.266	-0.266
4	-0.406	0.133	0.266	-0.266
5	-0.665	0.138	0.276	-0.276
6	-0.782	0.150	0.300	-0.300
7	-0.627	0.165	0.331	-0.331
8	-0.390	0.175	0.349	-0.349
9	-0.060	0.178	0.356	-0.356
10	0.454	0.178	0.356	-0.356
11	0.696	0.183	0.365	-0.365
12	0.771	0.193	0.386	-0.386
13	0.646	0.205	0.410	-0.410
14	0.354	0.213	0.425	-0.425
15	-0.022	0.215	0.430	-0.430

Lemon Bay Trends Appendix - Display 4
Correlogram for Surface Temperature at FDEP Station 56110SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 5

Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56110SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.199	.001	.004	0.103

Lemon Bay Trends Appendix - Display 6

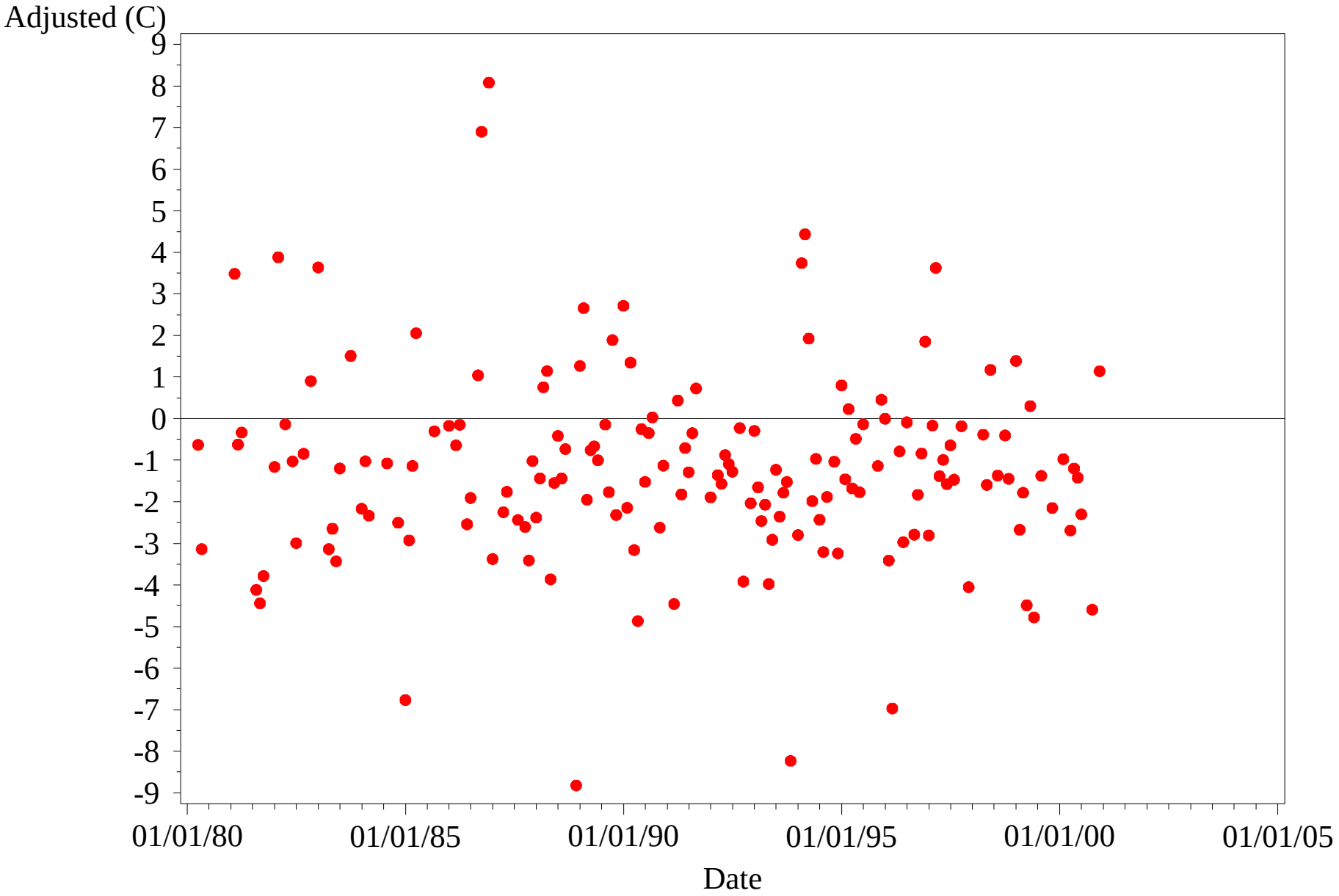
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56110SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.19872	.00083077	.00364482	0.10313

Lemon Bay Trends Appendix - Display 7

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56110SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 8

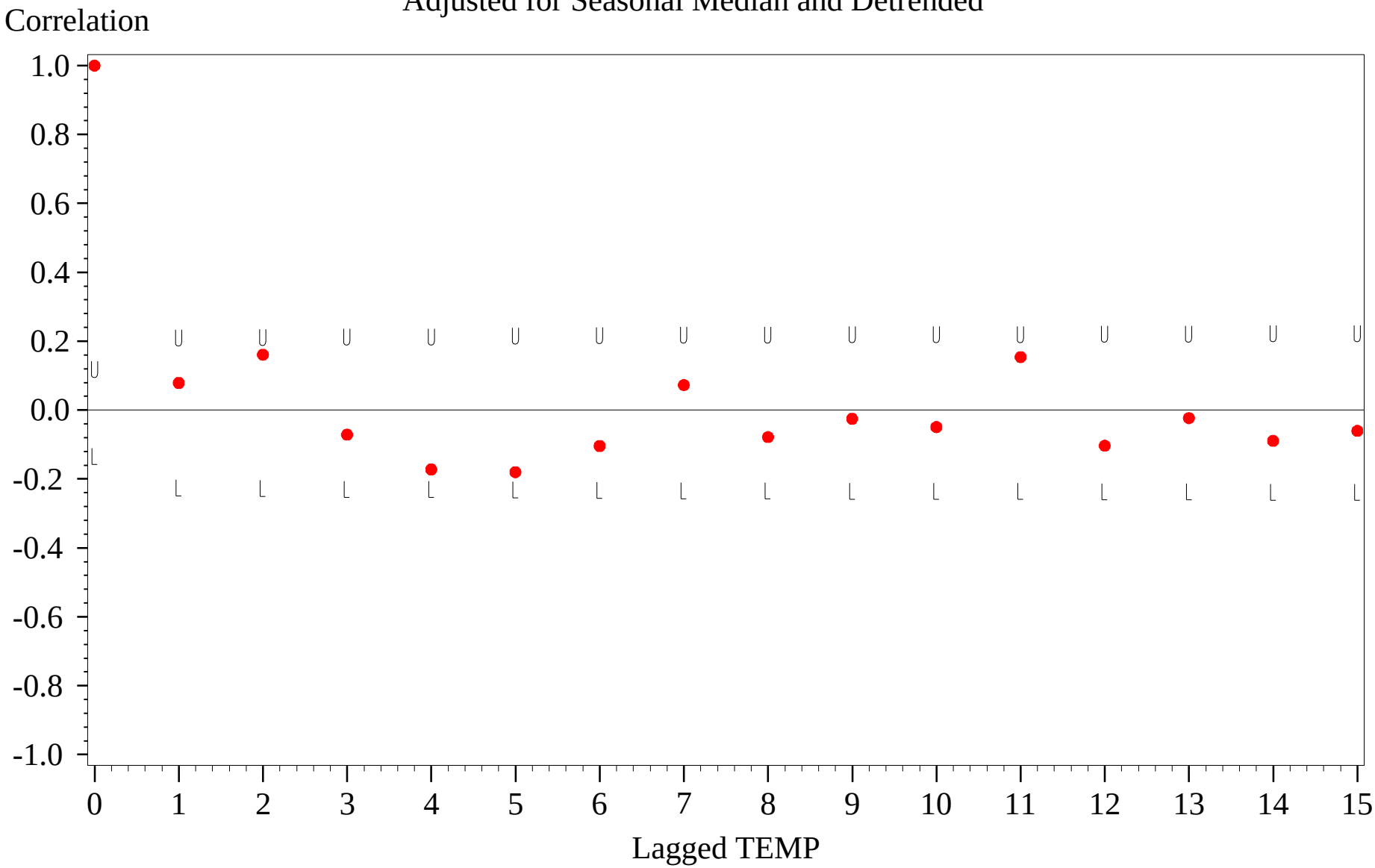
Autocorrelation Statistics for Surface Temperature at FDEP Station 56110SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.079	0.109	0.218	-0.218
2	0.161	0.109	0.219	-0.219
3	-0.071	0.110	0.221	-0.221
4	-0.172	0.110	0.221	-0.221
5	-0.180	0.112	0.223	-0.223
6	-0.104	0.113	0.225	-0.225
7	0.073	0.113	0.226	-0.226
8	-0.078	0.113	0.226	-0.226
9	-0.025	0.113	0.227	-0.227
10	-0.049	0.113	0.227	-0.227
11	0.154	0.114	0.227	-0.227
12	-0.103	0.114	0.229	-0.229
13	-0.023	0.115	0.229	-0.229
14	-0.089	0.115	0.230	-0.230
15	-0.060	0.115	0.230	-0.230

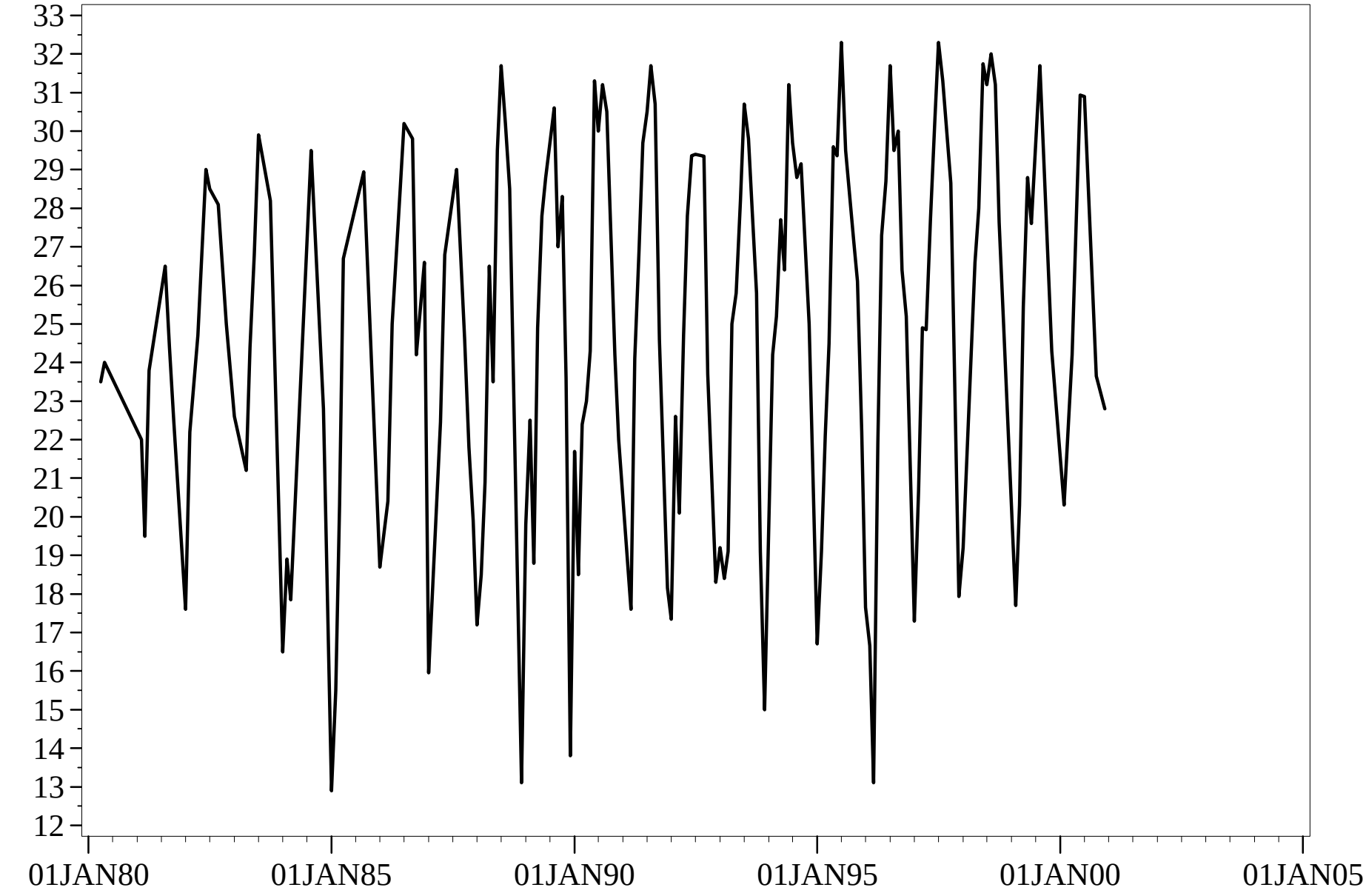
Lemon Bay Trends Appendix - Display 9
Correlogram for Surface Temperature at FDEP Station 56110SEAS

Adjusted for Seasonal Median and Detrended



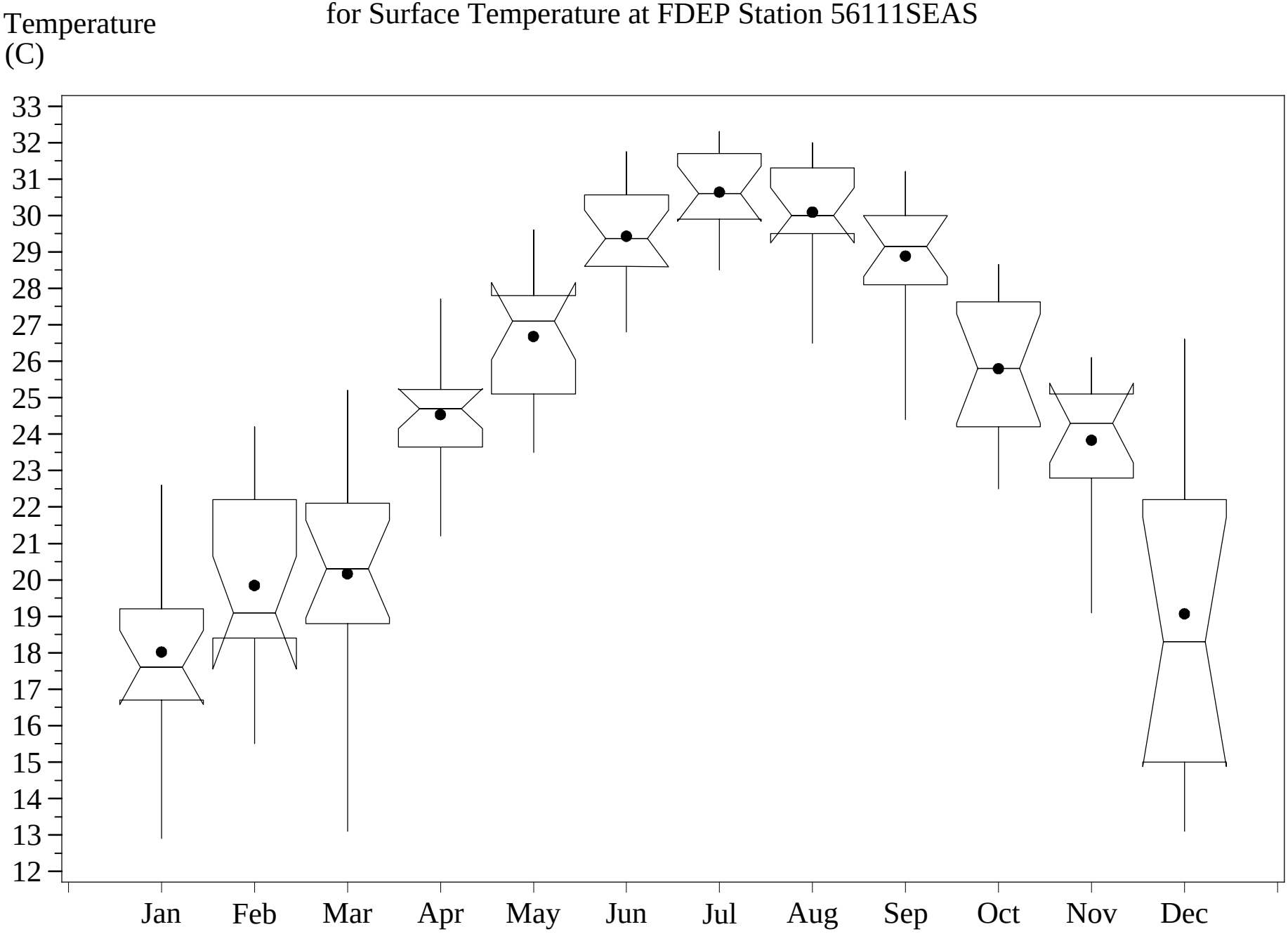
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 10
Monthly Data Time Series
for Surface Temperature at FDEP Station 56111SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 11

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56111SEAS



Lemon Bay Trends Appendix - Display 12

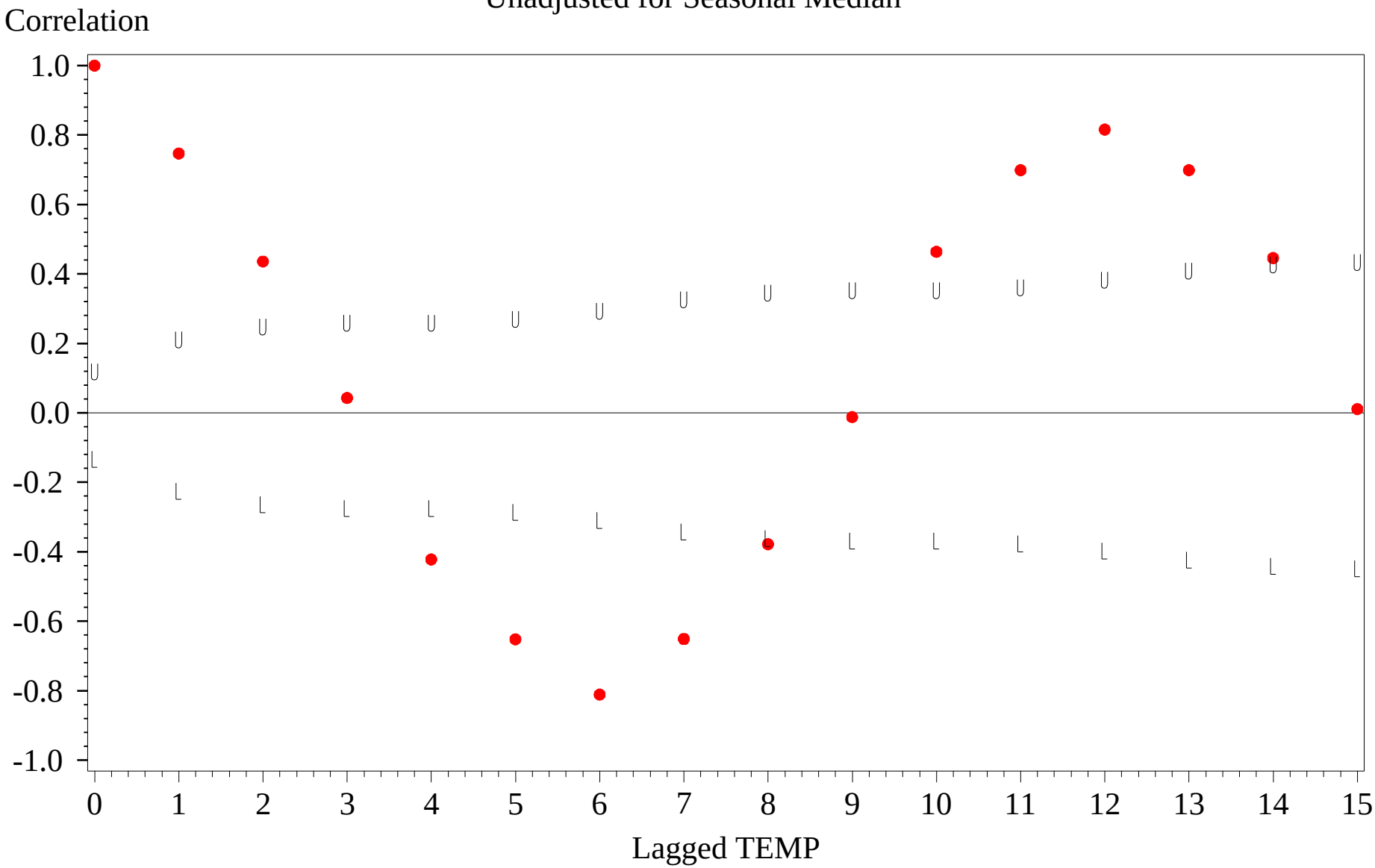
Autocorrelation Statistics for Surface Temperature at FDEP Station 56111SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.747	0.109	0.218	-0.218
2	0.436	0.128	0.256	-0.256
3	0.043	0.134	0.267	-0.267
4	-0.422	0.134	0.267	-0.267
5	-0.652	0.139	0.278	-0.278
6	-0.811	0.150	0.301	-0.301
7	-0.651	0.167	0.334	-0.334
8	-0.378	0.177	0.353	-0.353
9	-0.012	0.180	0.360	-0.360
10	0.464	0.180	0.360	-0.360
11	0.699	0.185	0.369	-0.369
12	0.816	0.195	0.390	-0.390
13	0.699	0.208	0.416	-0.416
14	0.446	0.217	0.434	-0.434
15	0.011	0.221	0.441	-0.441

Lemon Bay Trends Appendix - Display 13
Correlogram for Surface Temperature at FDEP Station 56111SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 14

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56111SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.25	0	.001	0.119

Lemon Bay Trends Appendix - Display 15

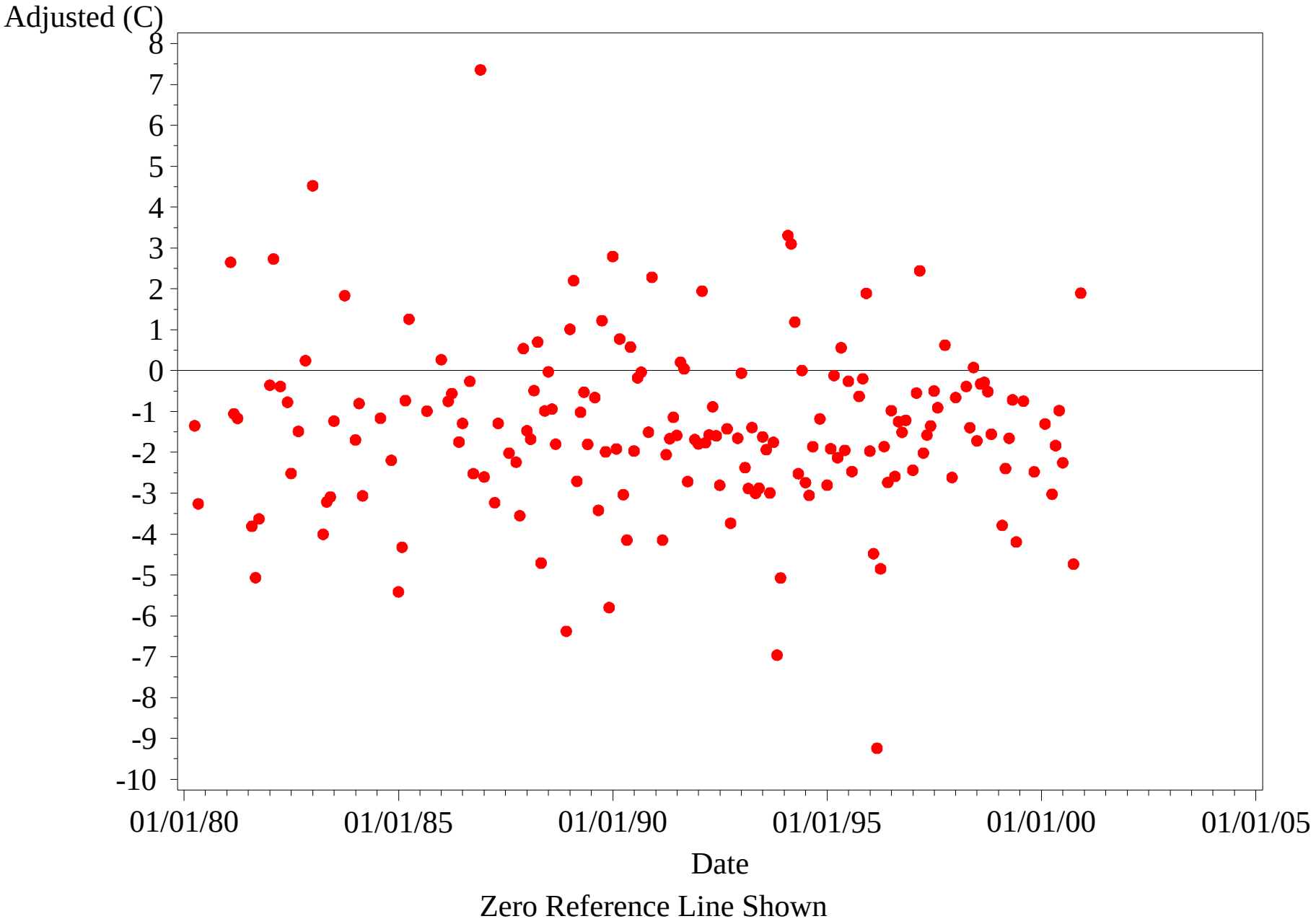
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56111SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.24979	.000014186	.00135183	0.11875

Lemon Bay Trends Appendix - Display 16

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56111SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 17

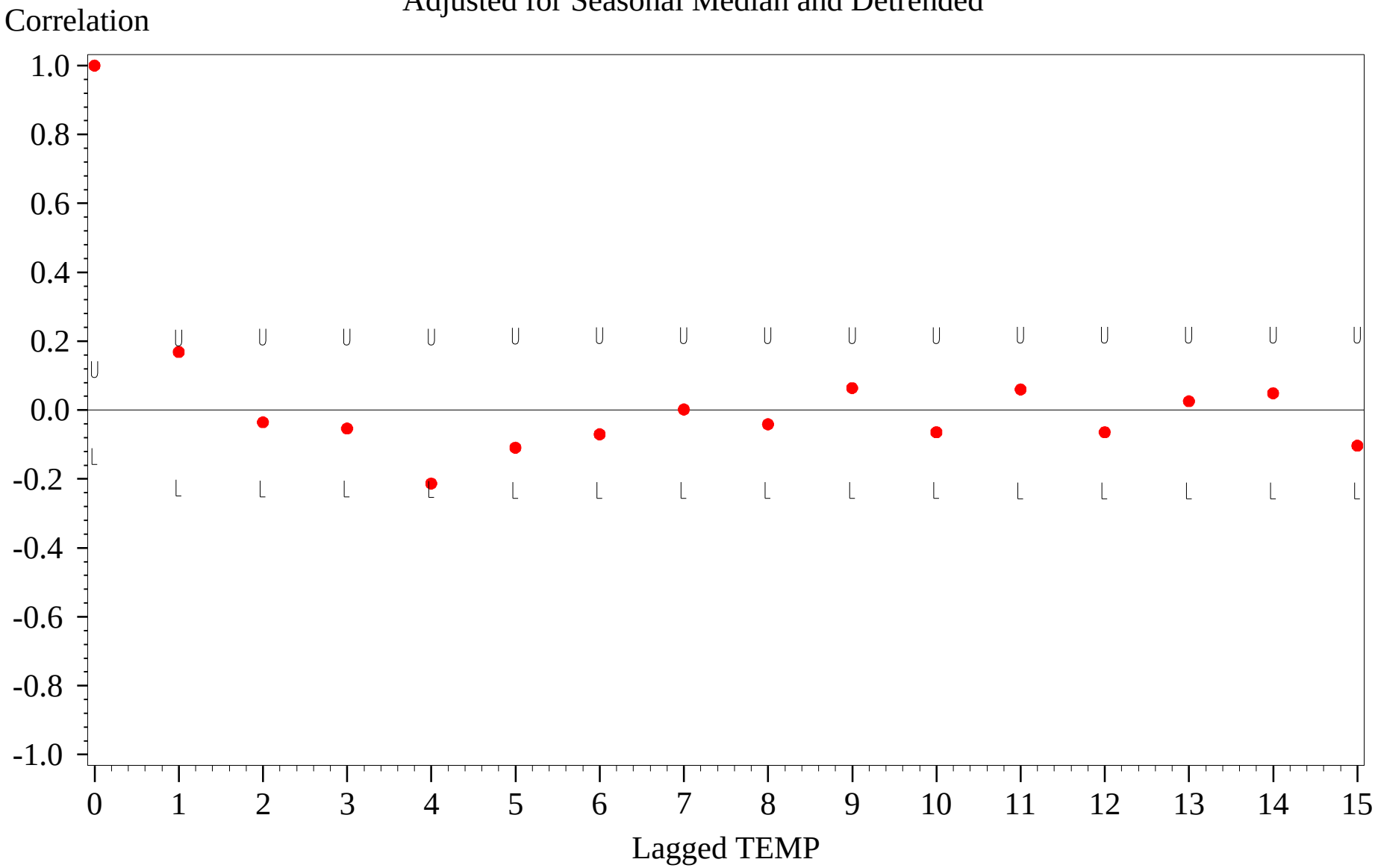
Autocorrelation Statistics for Surface Temperature at FDEP Station 56111SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.169	0.109	0.218	-0.218
2	-0.035	0.110	0.220	-0.220
3	-0.053	0.110	0.220	-0.220
4	-0.213	0.110	0.221	-0.221
5	-0.109	0.112	0.224	-0.224
6	-0.070	0.112	0.225	-0.225
7	0.002	0.113	0.225	-0.225
8	-0.041	0.113	0.225	-0.225
9	0.064	0.113	0.225	-0.225
10	-0.064	0.113	0.225	-0.225
11	0.060	0.113	0.226	-0.226
12	-0.064	0.113	0.226	-0.226
13	0.026	0.113	0.226	-0.226
14	0.049	0.113	0.226	-0.226
15	-0.103	0.113	0.226	-0.226

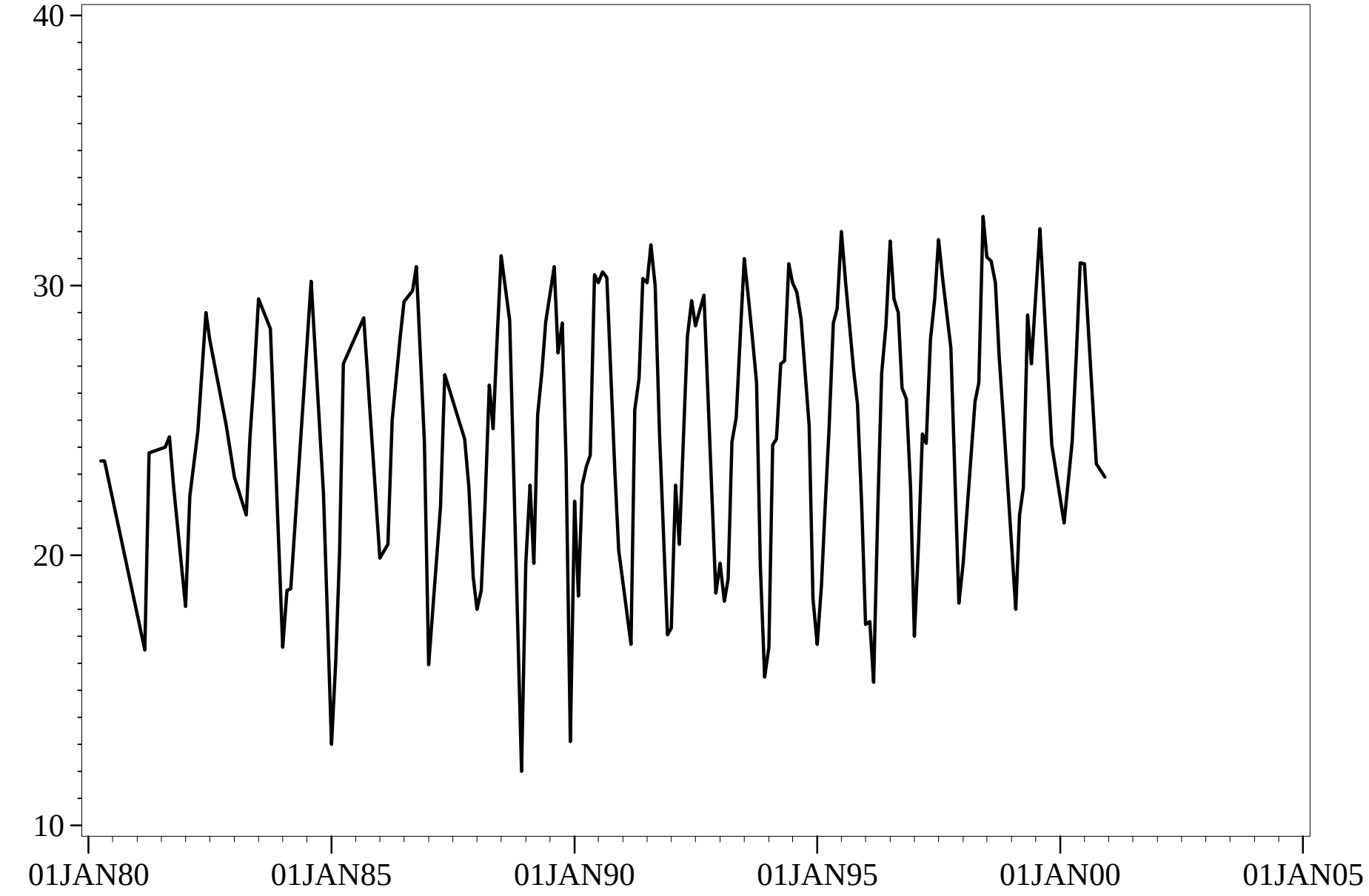
Lemon Bay Trends Appendix - Display 18
Correlogram for Surface Temperature at FDEP Station 56111SEAS

Adjusted for Seasonal Median and Detrended



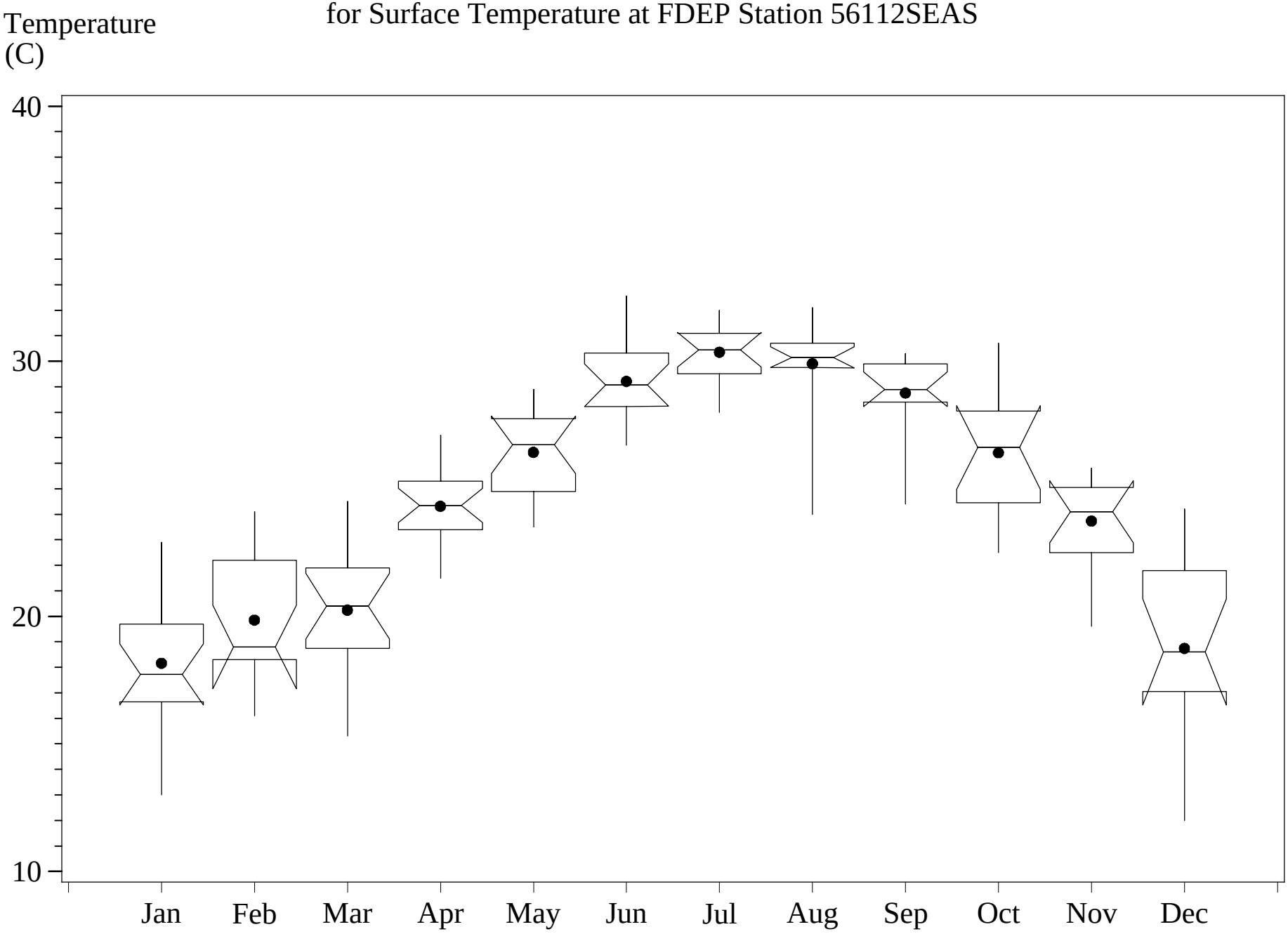
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 19
Monthly Data Time Series
for Surface Temperature at FDEP Station 56112SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 20

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56112SEAS



Lemon Bay Trends Appendix - Display 21

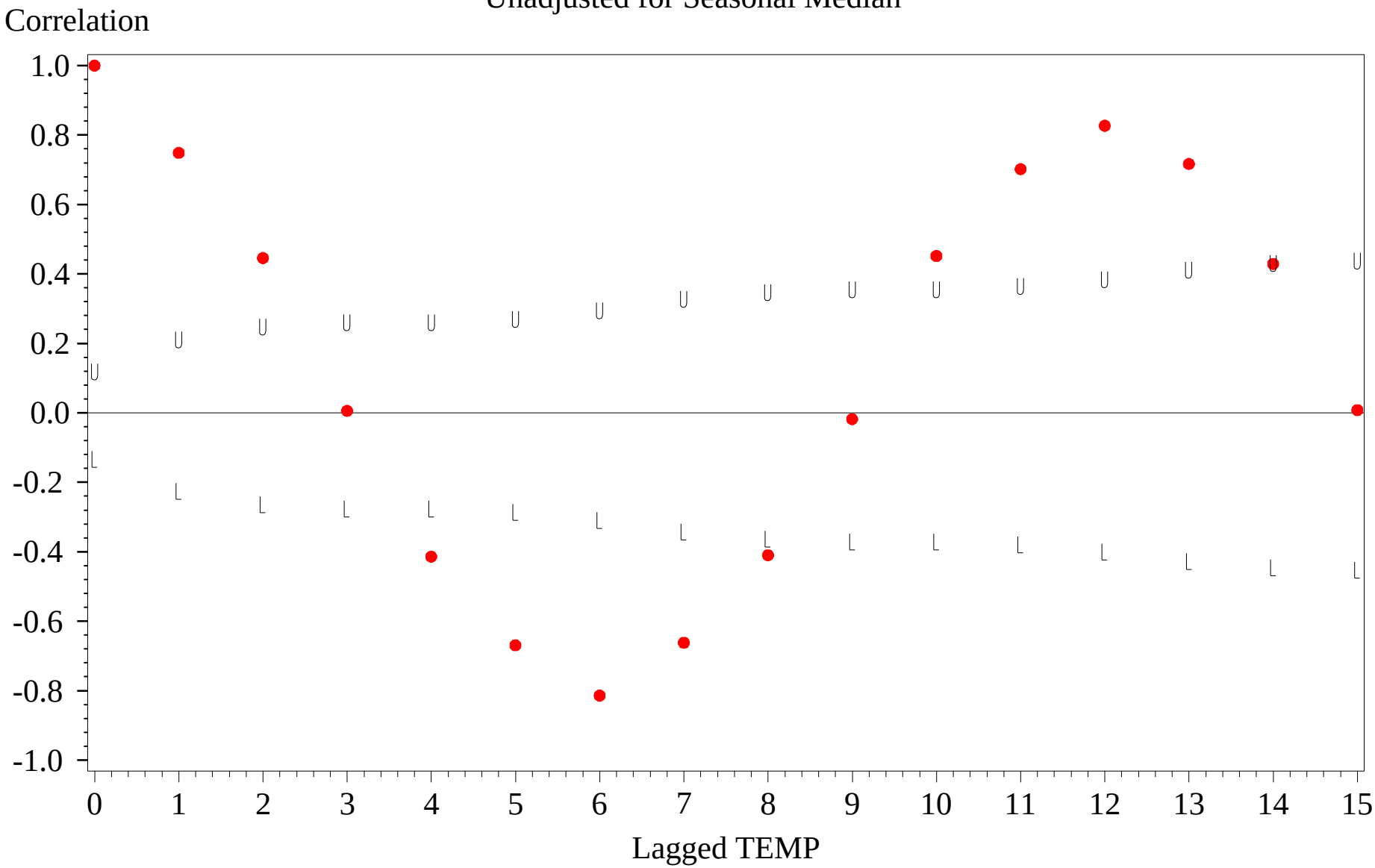
Autocorrelation Statistics for Surface Temperature at FDEP Station 56112SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.749	0.109	0.218	-0.218
2	0.446	0.128	0.256	-0.256
3	0.006	0.134	0.268	-0.268
4	-0.414	0.134	0.268	-0.268
5	-0.669	0.139	0.278	-0.278
6	-0.814	0.151	0.302	-0.302
7	-0.662	0.168	0.335	-0.335
8	-0.410	0.178	0.355	-0.355
9	-0.018	0.181	0.363	-0.363
10	0.452	0.181	0.363	-0.363
11	0.702	0.186	0.372	-0.372
12	0.827	0.196	0.392	-0.392
13	0.717	0.209	0.419	-0.419
14	0.429	0.219	0.438	-0.438
15	0.008	0.222	0.445	-0.445

Lemon Bay Trends Appendix - Display 22
Correlogram for Surface Temperature at FDEP Station 56112SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 23

Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56112SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.208	0	.005	0.1

Lemon Bay Trends Appendix - Display 24

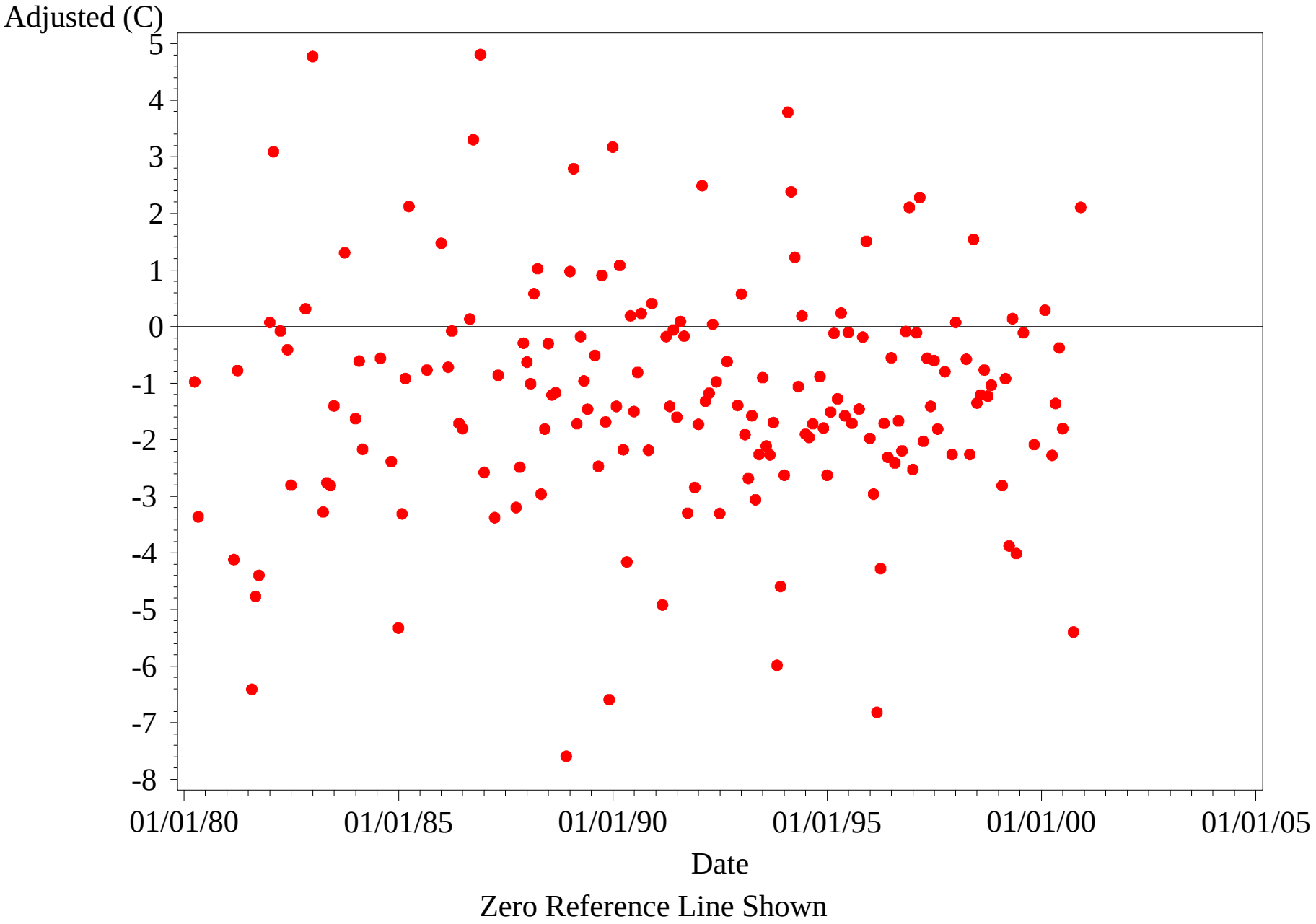
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56112SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.20848	.000311136	.00524735	0.1

Lemon Bay Trends Appendix - Display 25

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56112SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 26

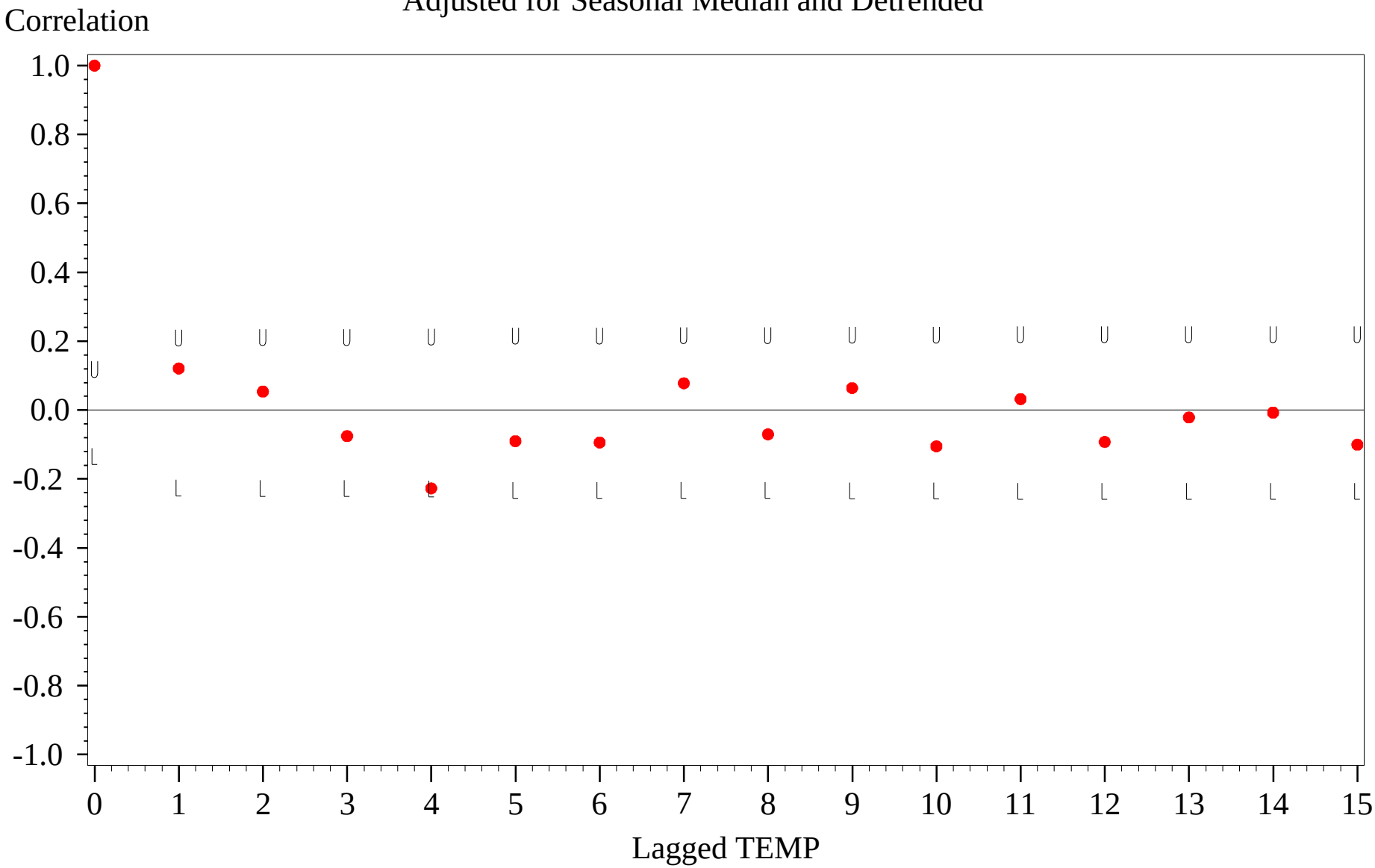
Autocorrelation Statistics for Surface Temperature at FDEP Station 56112SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.121	0.109	0.218	-0.218
2	0.054	0.110	0.219	-0.219
3	-0.075	0.110	0.219	-0.219
4	-0.227	0.110	0.220	-0.220
5	-0.090	0.112	0.224	-0.224
6	-0.094	0.112	0.224	-0.224
7	0.078	0.112	0.225	-0.225
8	-0.070	0.113	0.225	-0.225
9	0.064	0.113	0.226	-0.226
10	-0.105	0.113	0.226	-0.226
11	0.032	0.113	0.227	-0.227
12	-0.092	0.113	0.227	-0.227
13	-0.021	0.114	0.227	-0.227
14	-0.007	0.114	0.227	-0.227
15	-0.100	0.114	0.227	-0.227

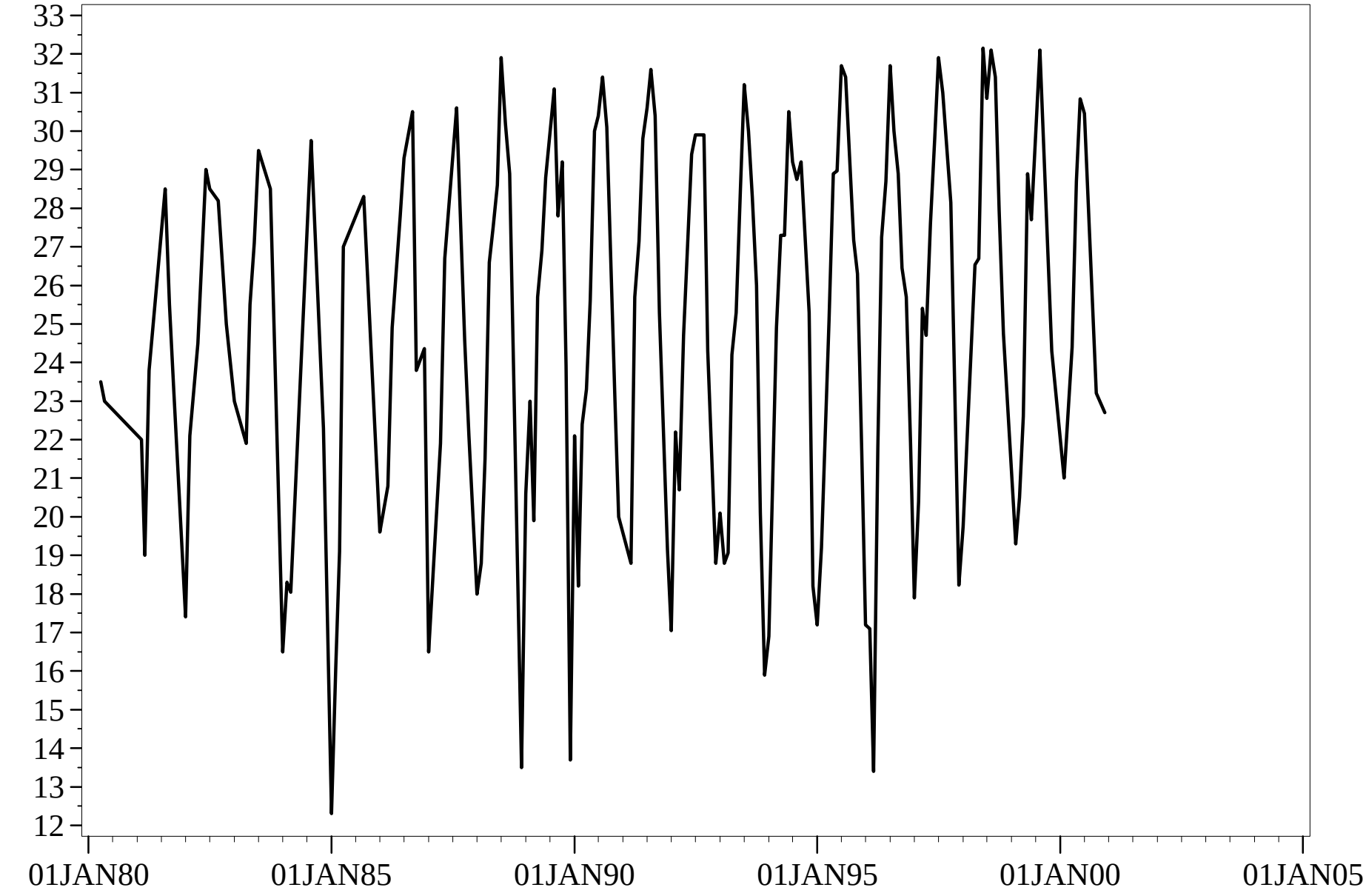
Lemon Bay Trends Appendix - Display 27
Correlogram for Surface Temperature at FDEP Station 56112SEAS

Adjusted for Seasonal Median and Detrended



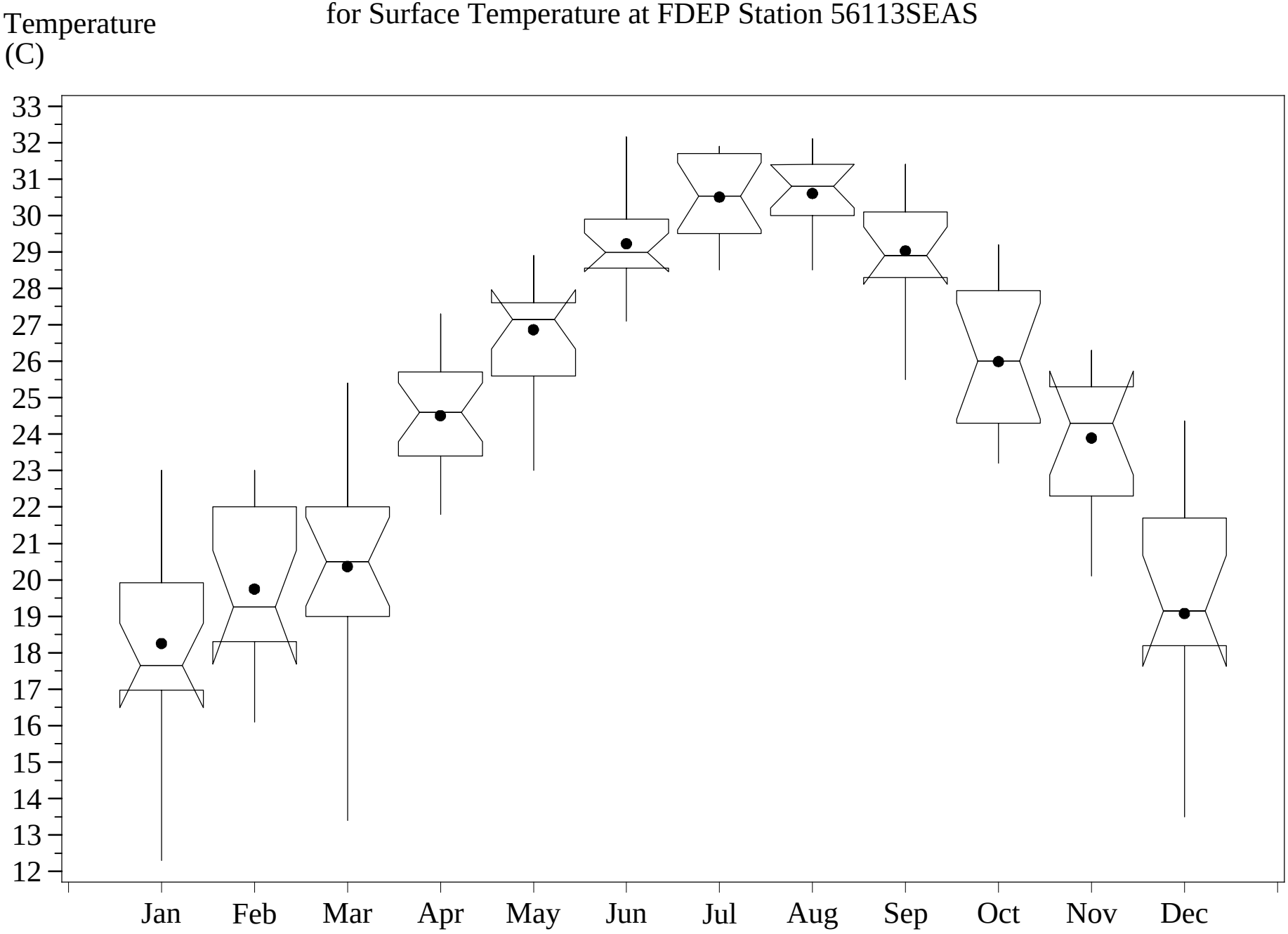
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 28
Monthly Data Time Series
for Surface Temperature at FDEP Station 56113SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 29

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56113SEAS



Lemon Bay Trends Appendix - Display 30

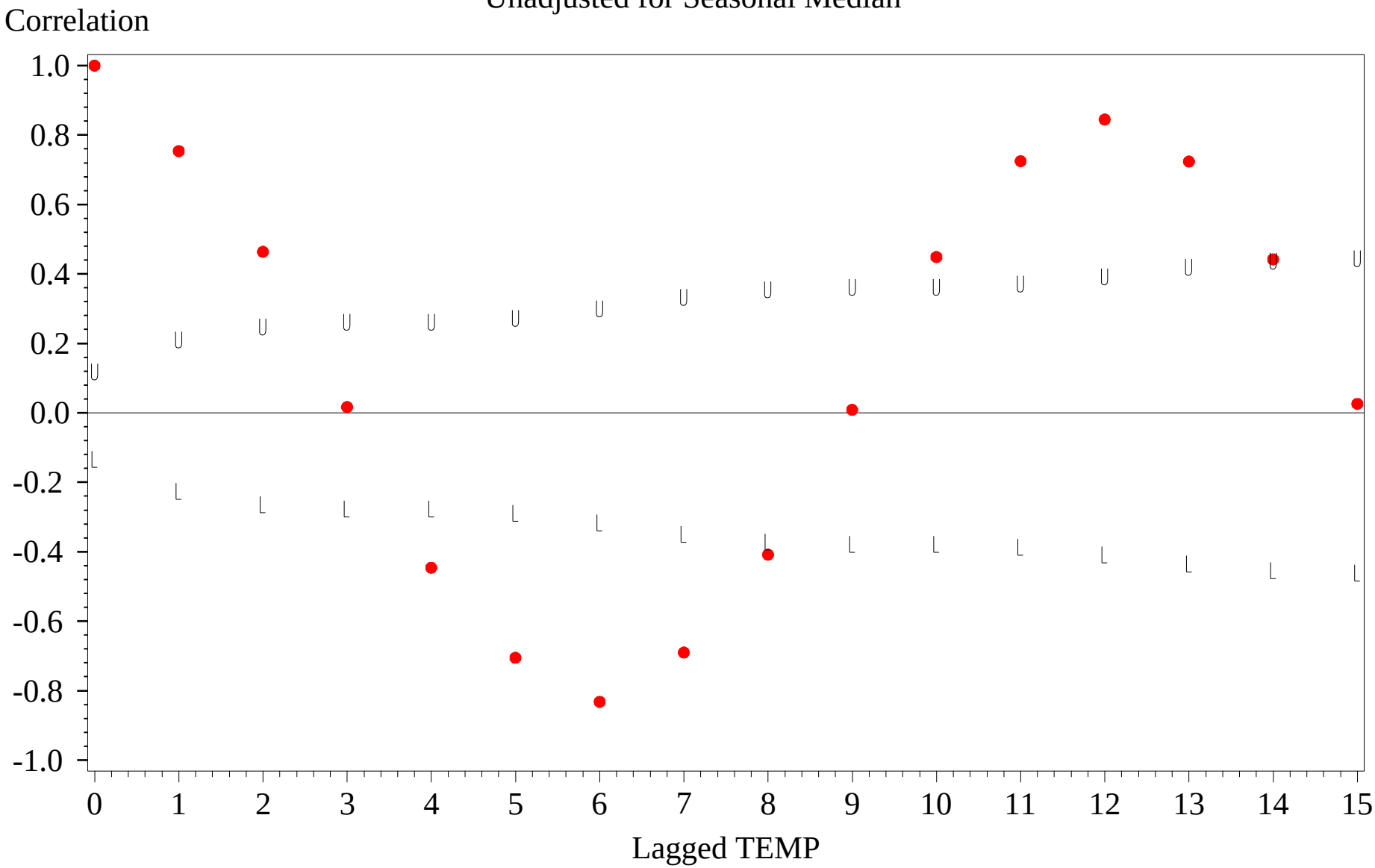
Autocorrelation Statistics for Surface Temperature at FDEP Station 56113SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.754	0.109	0.218	-0.218
2	0.464	0.128	0.256	-0.256
3	0.017	0.135	0.269	-0.269
4	-0.446	0.135	0.269	-0.269
5	-0.705	0.140	0.281	-0.281
6	-0.832	0.154	0.308	-0.308
7	-0.690	0.171	0.341	-0.341
8	-0.408	0.181	0.363	-0.363
9	0.009	0.185	0.370	-0.370
10	0.449	0.185	0.370	-0.370
11	0.725	0.189	0.379	-0.379
12	0.845	0.200	0.400	-0.400
13	0.724	0.214	0.427	-0.427
14	0.442	0.223	0.446	-0.446
15	0.026	0.227	0.453	-0.453

Lemon Bay Trends Appendix - Display 31
Correlogram for Surface Temperature at FDEP Station 56113SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 32

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56113SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.233	0	.002	0.114

Lemon Bay Trends Appendix - Display 33

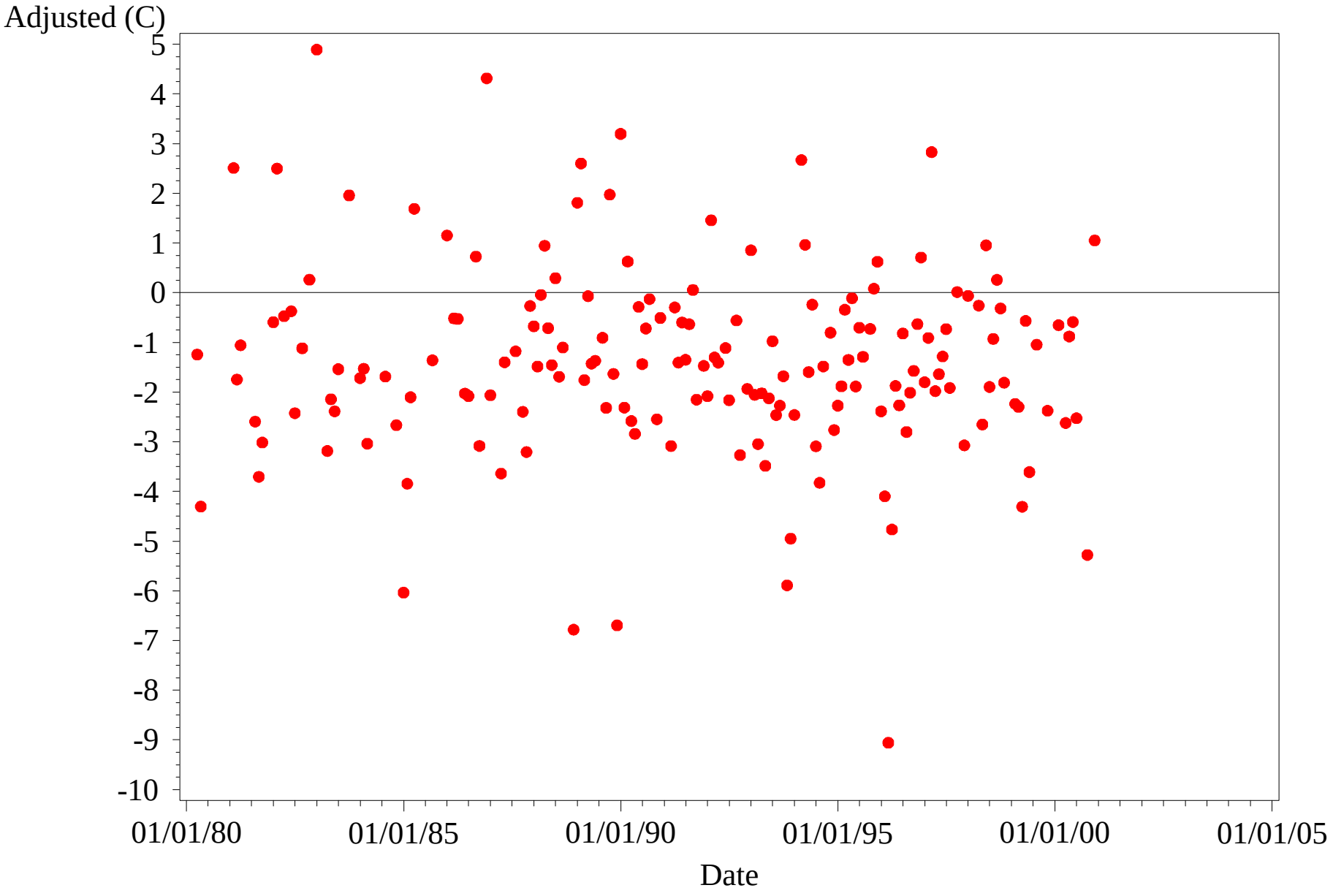
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56113SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.23295	.000048161	.00220895	0.11389

Lemon Bay Trends Appendix - Display 34

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56113SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 35

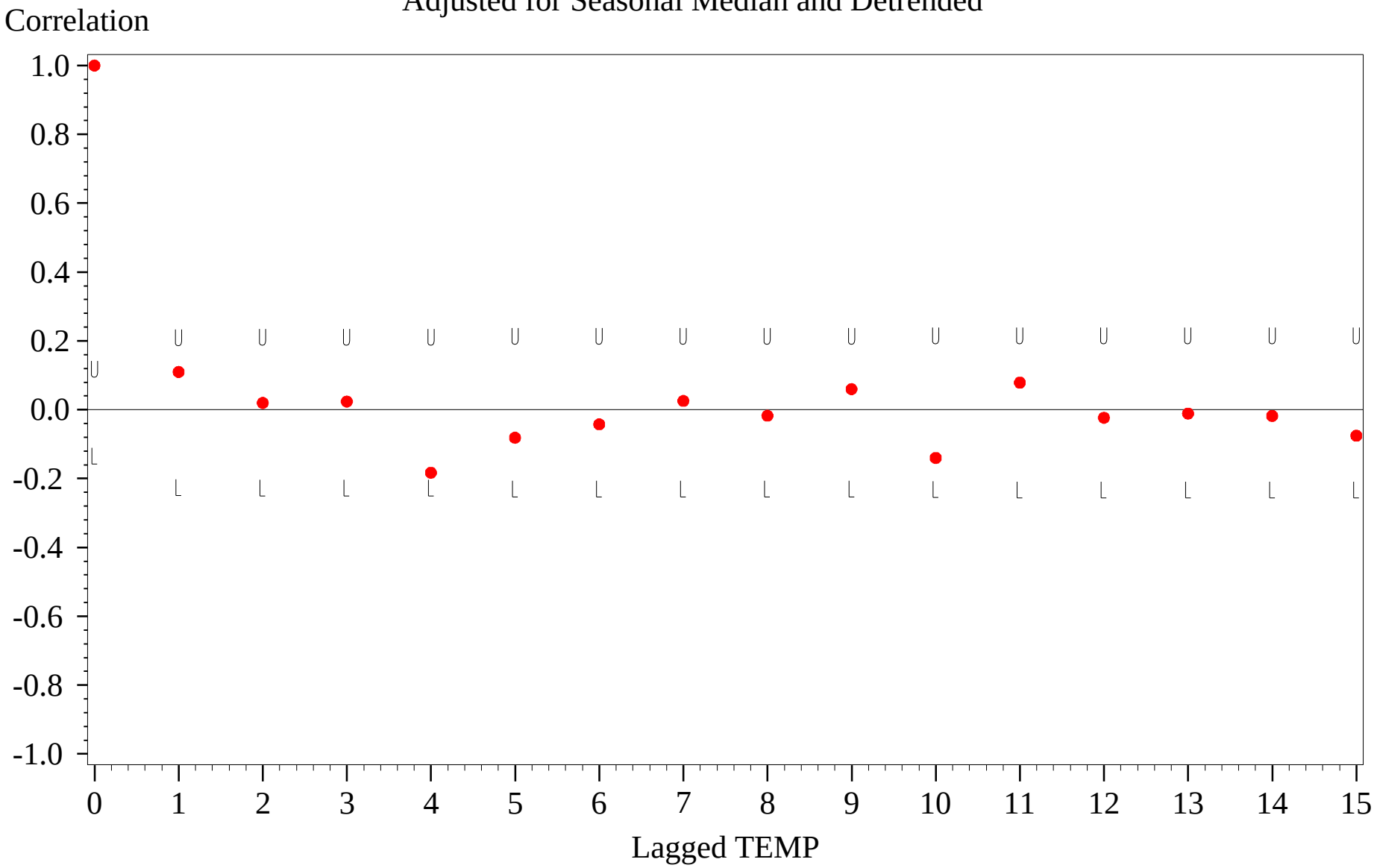
Autocorrelation Statistics for Surface Temperature at FDEP Station 56113SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.110	0.109	0.218	-0.218
2	0.020	0.110	0.219	-0.219
3	0.024	0.110	0.219	-0.219
4	-0.183	0.110	0.219	-0.219
5	-0.081	0.111	0.222	-0.222
6	-0.042	0.111	0.222	-0.222
7	0.026	0.111	0.222	-0.222
8	-0.017	0.111	0.222	-0.222
9	0.060	0.111	0.222	-0.222
10	-0.140	0.111	0.223	-0.223
11	0.079	0.112	0.224	-0.224
12	-0.023	0.112	0.224	-0.224
13	-0.011	0.112	0.224	-0.224
14	-0.018	0.112	0.224	-0.224
15	-0.075	0.112	0.224	-0.224

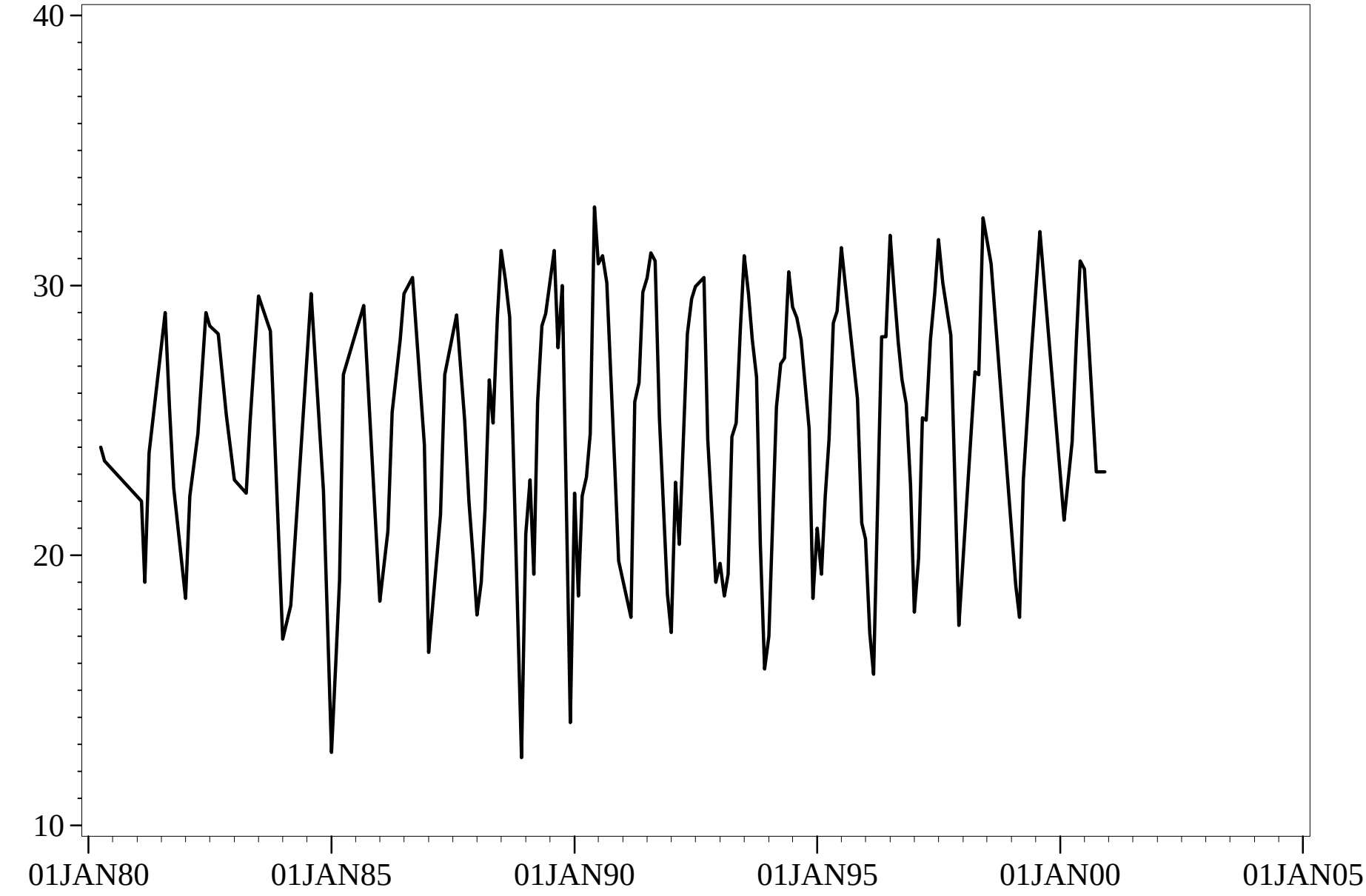
Lemon Bay Trends Appendix - Display 36
Correlogram for Surface Temperature at FDEP Station 56113SEAS

Adjusted for Seasonal Median and Detrended



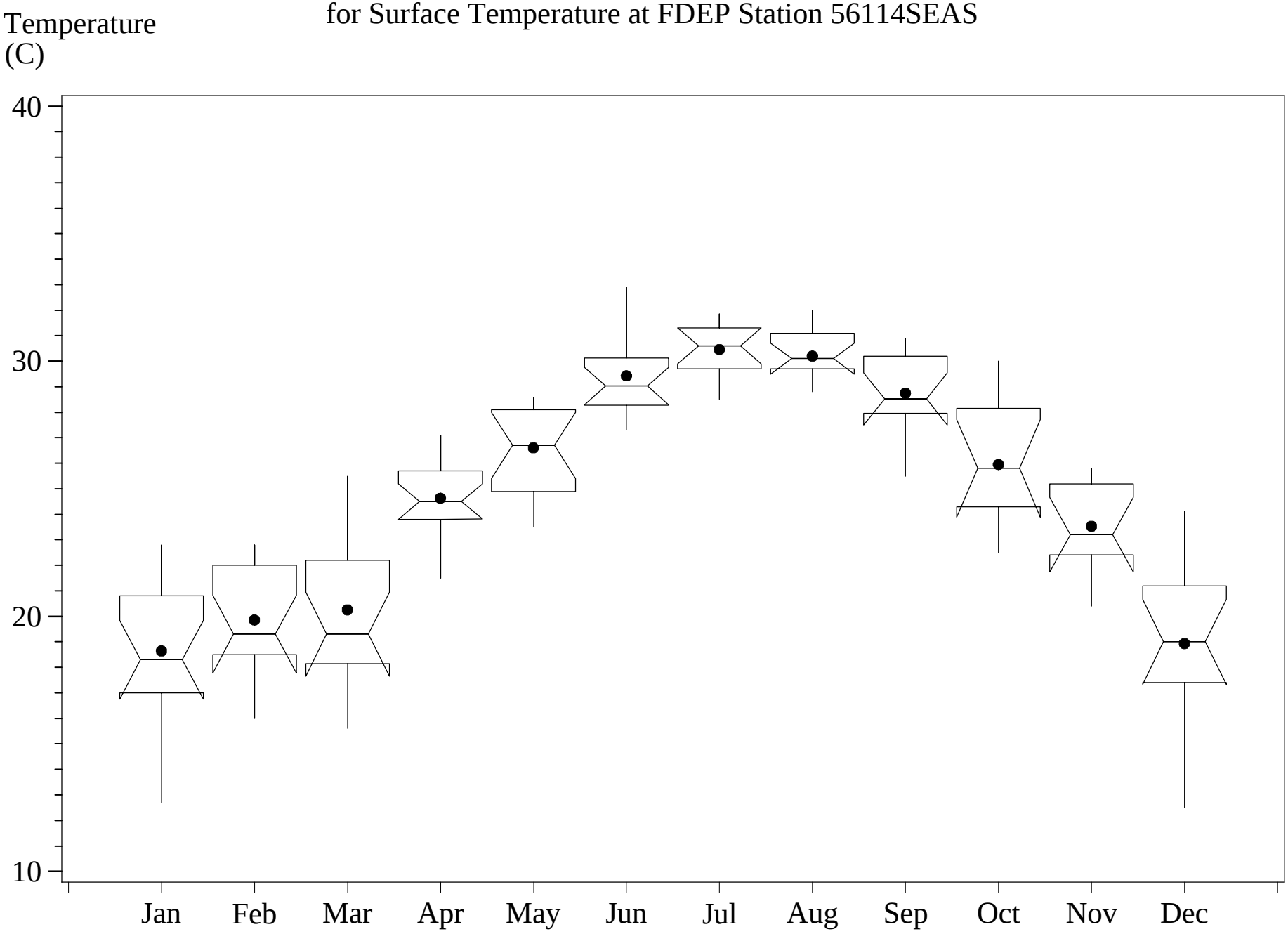
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 37
Monthly Data Time Series
for Surface Temperature at FDEP Station 56114SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 38

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56114SEAS



Lemon Bay Trends Appendix - Display 39

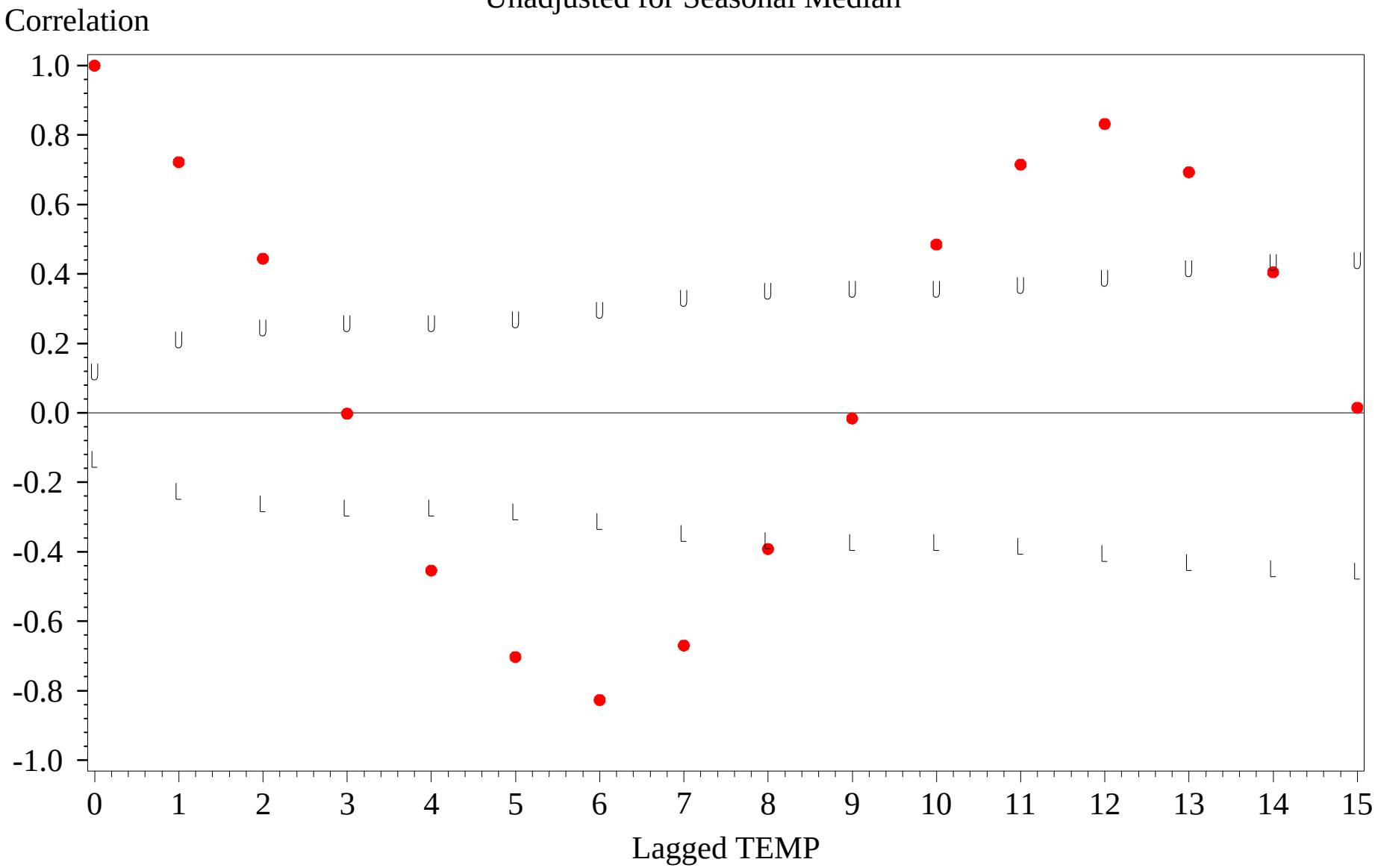
Autocorrelation Statistics for Surface Temperature at FDEP Station 56114SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.722	0.109	0.218	-0.218
2	0.444	0.127	0.253	-0.253
3	-0.002	0.133	0.265	-0.265
4	-0.454	0.133	0.265	-0.265
5	-0.703	0.139	0.277	-0.277
6	-0.827	0.152	0.304	-0.304
7	-0.670	0.169	0.338	-0.338
8	-0.392	0.179	0.359	-0.359
9	-0.016	0.183	0.365	-0.365
10	0.485	0.183	0.365	-0.365
11	0.715	0.188	0.375	-0.375
12	0.832	0.198	0.396	-0.396
13	0.693	0.212	0.423	-0.423
14	0.405	0.220	0.441	-0.441
15	0.015	0.223	0.447	-0.447

Lemon Bay Trends Appendix - Display 40
Correlogram for Surface Temperature at FDEP Station 56114SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 41

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56114SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.174	.004	0.014	0.1

Lemon Bay Trends Appendix - Display 42

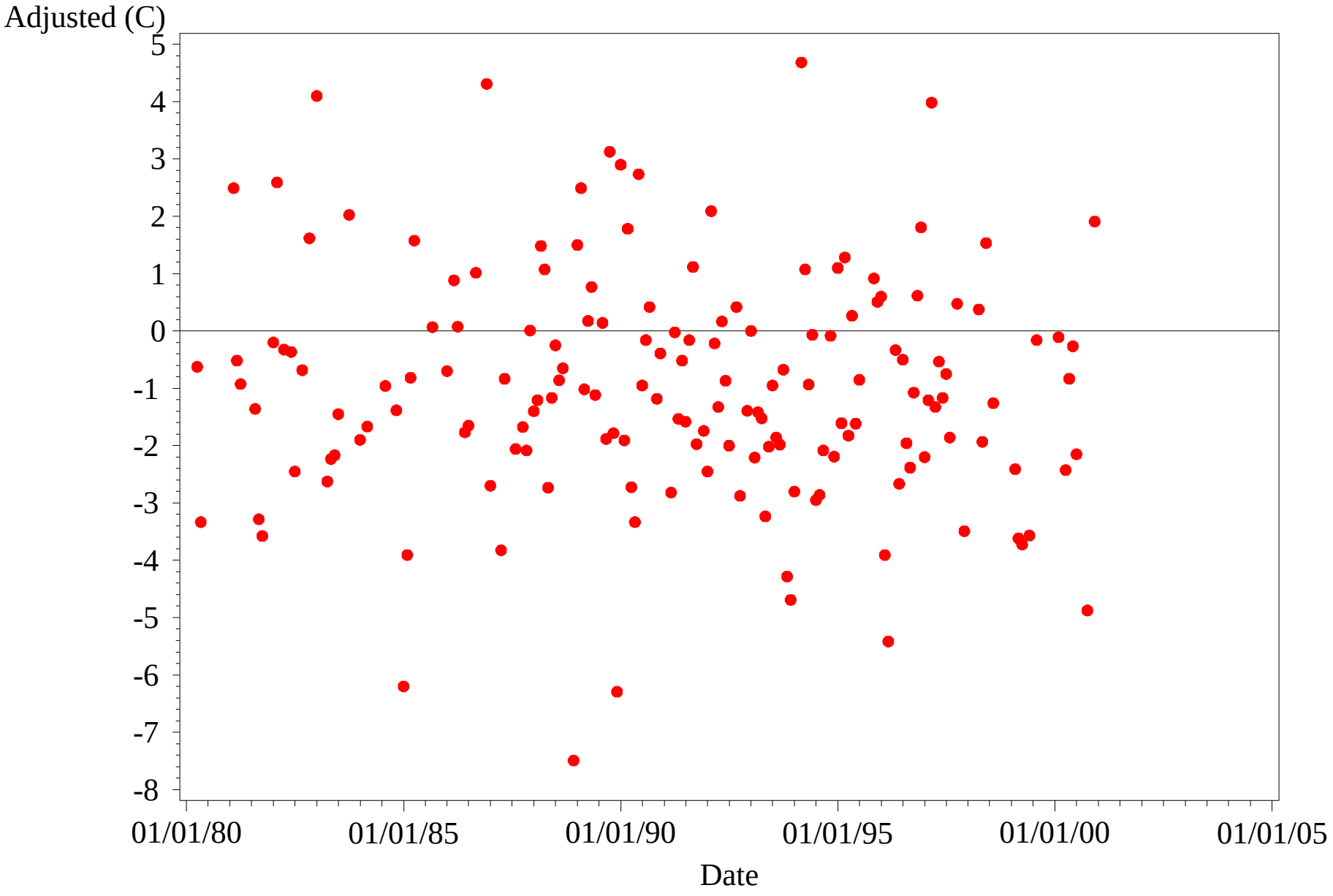
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56114SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.17371	.00372851	0.014360	0.1

Lemon Bay Trends Appendix - Display 43

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56114SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 44

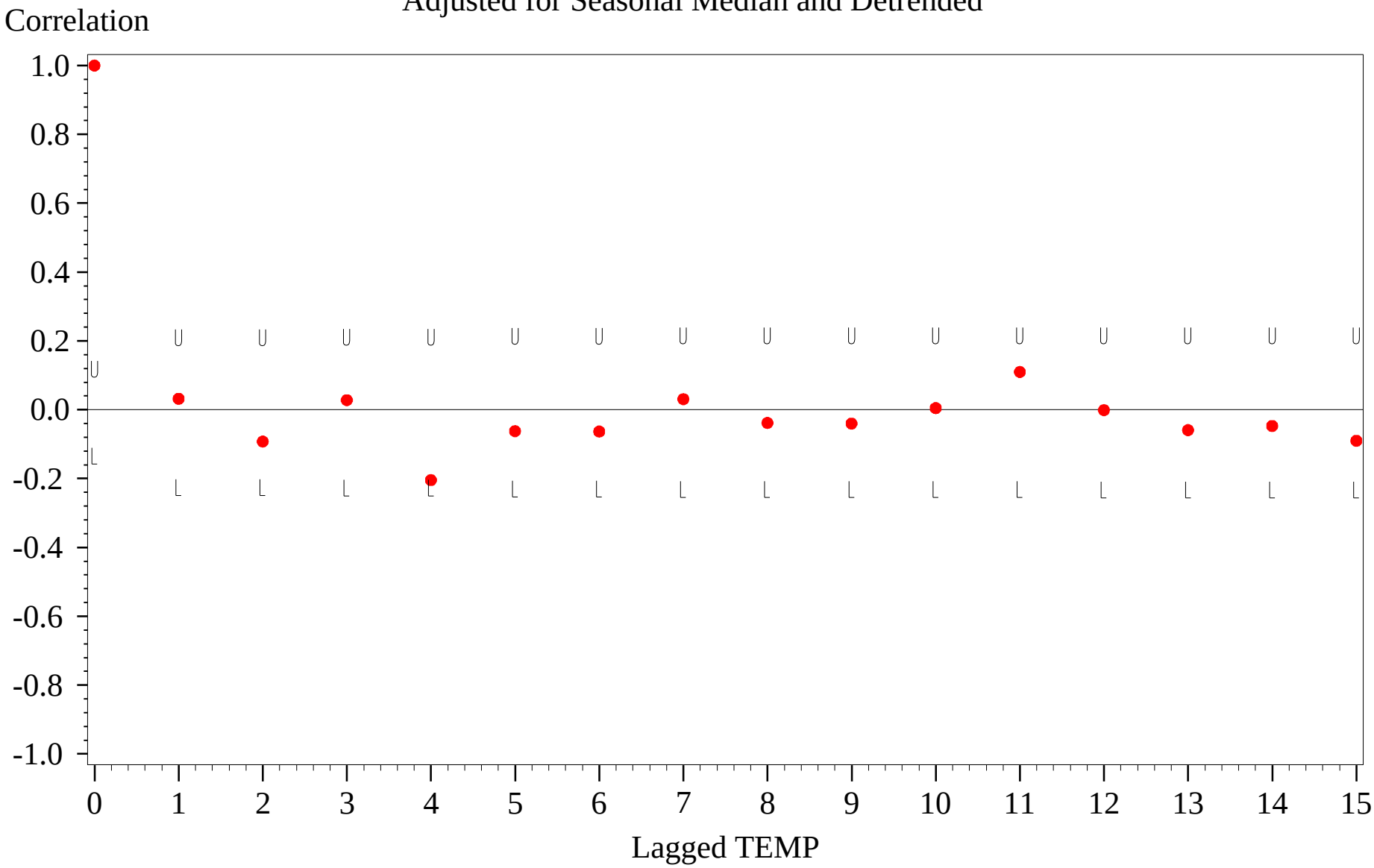
Autocorrelation Statistics for Surface Temperature at FDEP Station 56114SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.032	0.109	0.218	-0.218
2	-0.092	0.109	0.218	-0.218
3	0.028	0.109	0.219	-0.219
4	-0.204	0.109	0.219	-0.219
5	-0.062	0.111	0.222	-0.222
6	-0.063	0.111	0.222	-0.222
7	0.031	0.111	0.223	-0.223
8	-0.038	0.111	0.223	-0.223
9	-0.040	0.111	0.223	-0.223
10	0.005	0.111	0.223	-0.223
11	0.110	0.111	0.223	-0.223
12	-0.001	0.112	0.224	-0.224
13	-0.059	0.112	0.224	-0.224
14	-0.047	0.112	0.224	-0.224
15	-0.090	0.112	0.224	-0.224

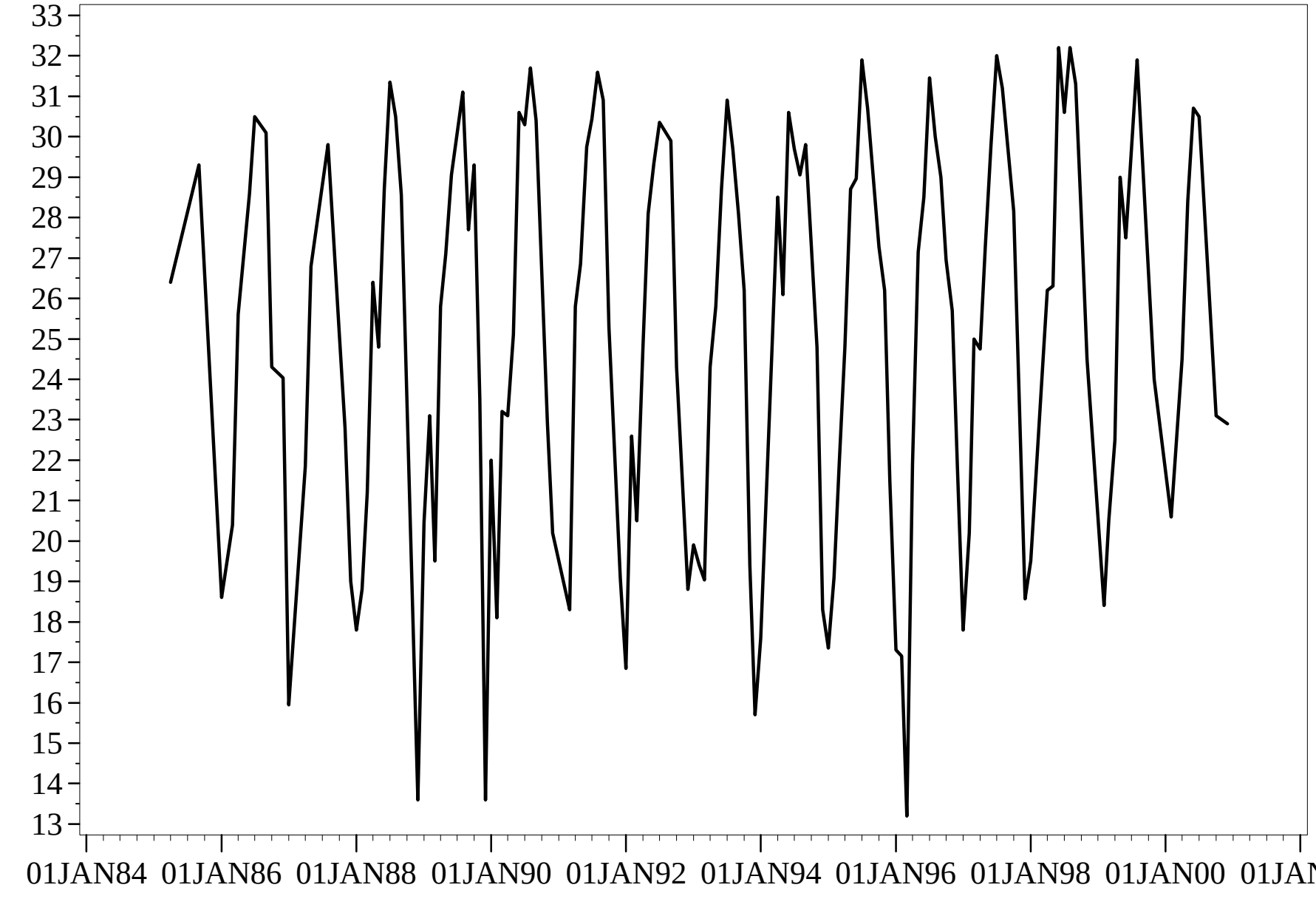
Lemon Bay Trends Appendix - Display 45
Correlogram for Surface Temperature at FDEP Station 56114SEAS

Adjusted for Seasonal Median and Detrended



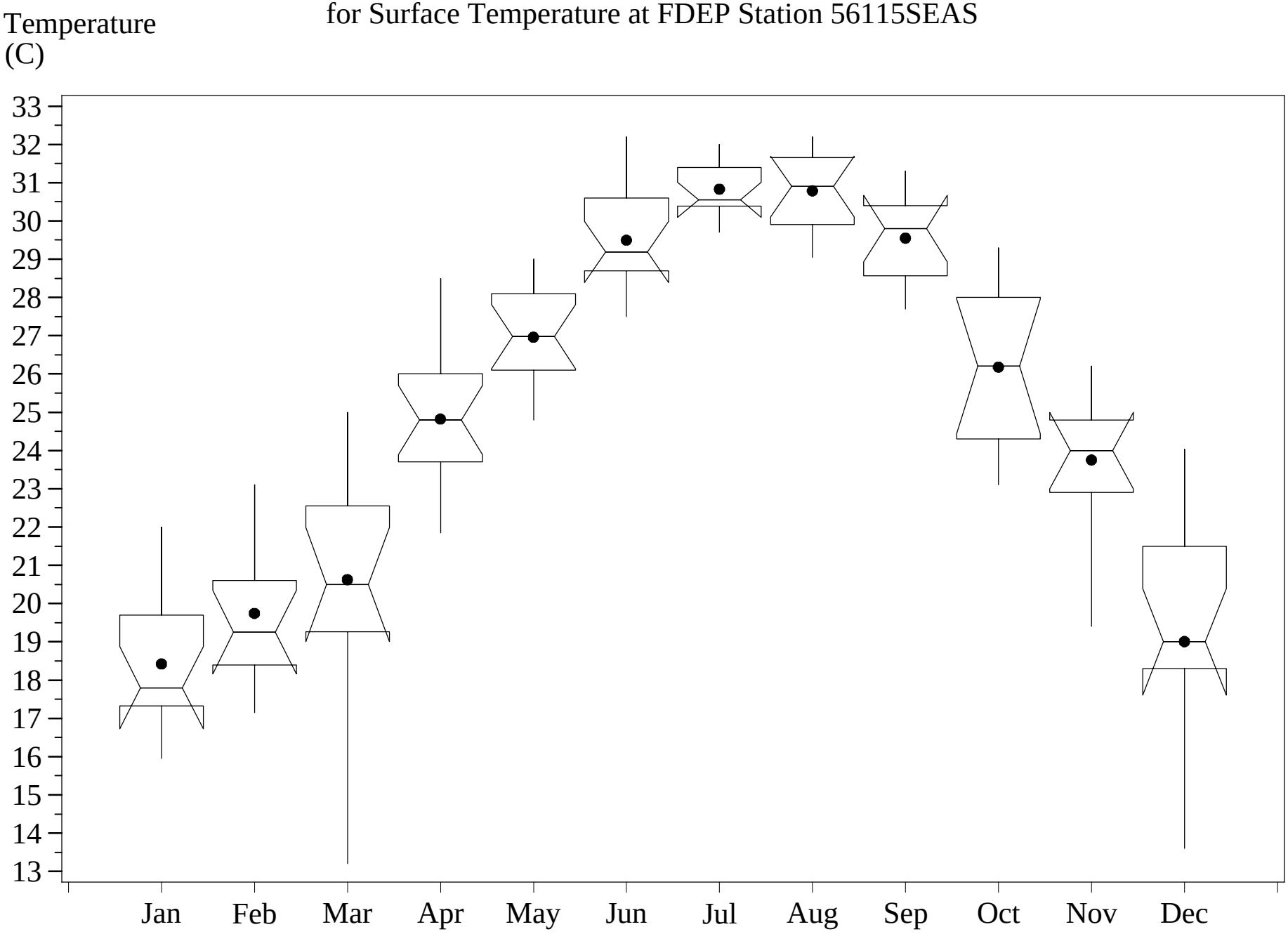
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 46
Monthly Data Time Series
for Surface Temperature at FDEP Station 56115SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 47

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56115SEAS



Lemon Bay Trends Appendix - Display 48

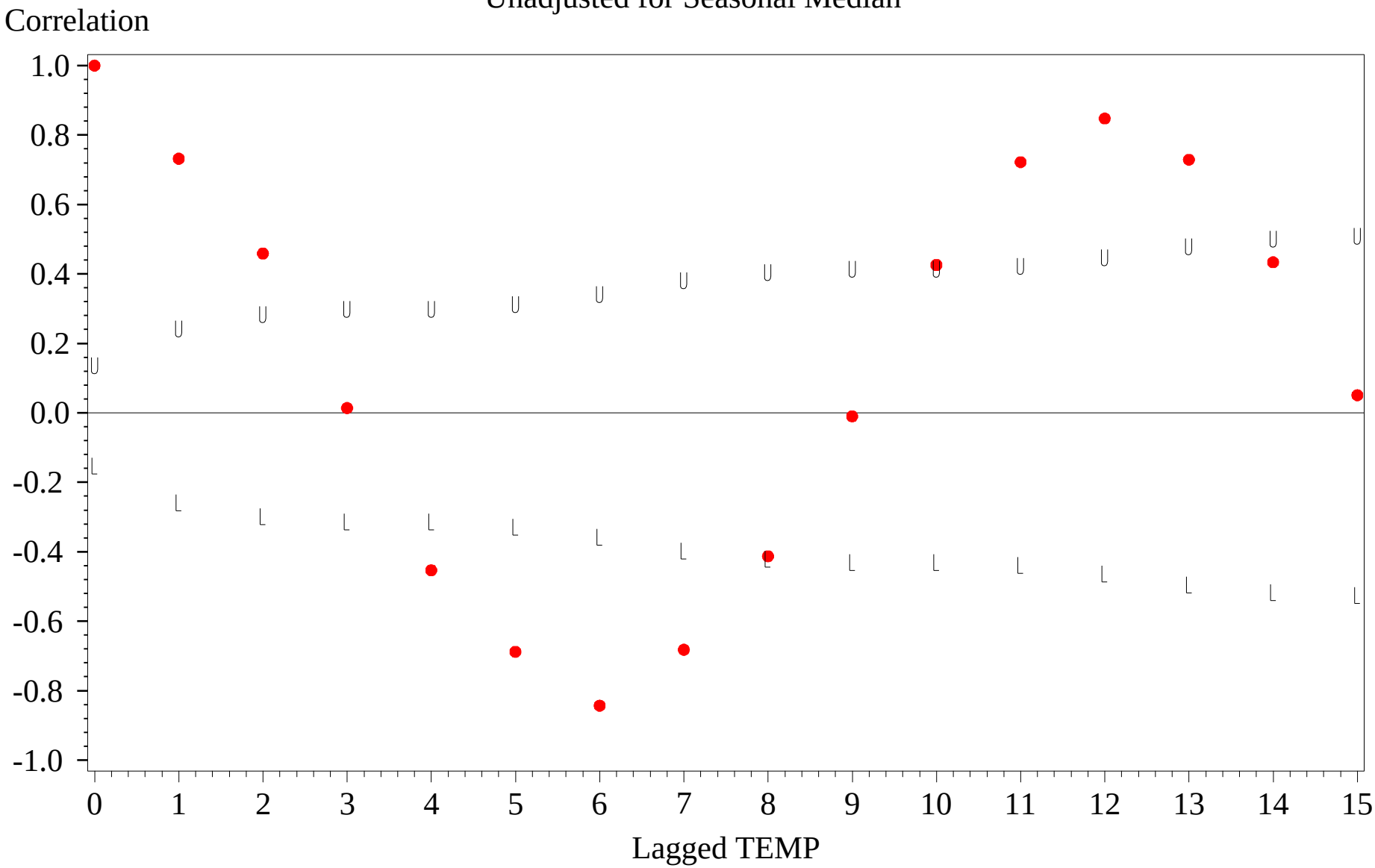
Autocorrelation Statistics for Surface Temperature at FDEP Station 56115SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.732	0.125	0.250	-0.250
2	0.459	0.146	0.291	-0.291
3	0.014	0.153	0.306	-0.306
4	-0.453	0.153	0.306	-0.306
5	-0.688	0.160	0.320	-0.320
6	-0.843	0.175	0.349	-0.349
7	-0.682	0.195	0.389	-0.389
8	-0.413	0.207	0.413	-0.413
9	-0.010	0.211	0.422	-0.422
10	0.426	0.211	0.422	-0.422
11	0.722	0.215	0.431	-0.431
12	0.848	0.228	0.455	-0.455
13	0.729	0.244	0.487	-0.487
14	0.434	0.255	0.509	-0.509
15	0.051	0.258	0.517	-0.517

Lemon Bay Trends Appendix - Display 49
Correlogram for Surface Temperature at FDEP Station 56115SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 50

Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56115SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.135	0.035	0.095	0.067

Lemon Bay Trends Appendix - Display 51

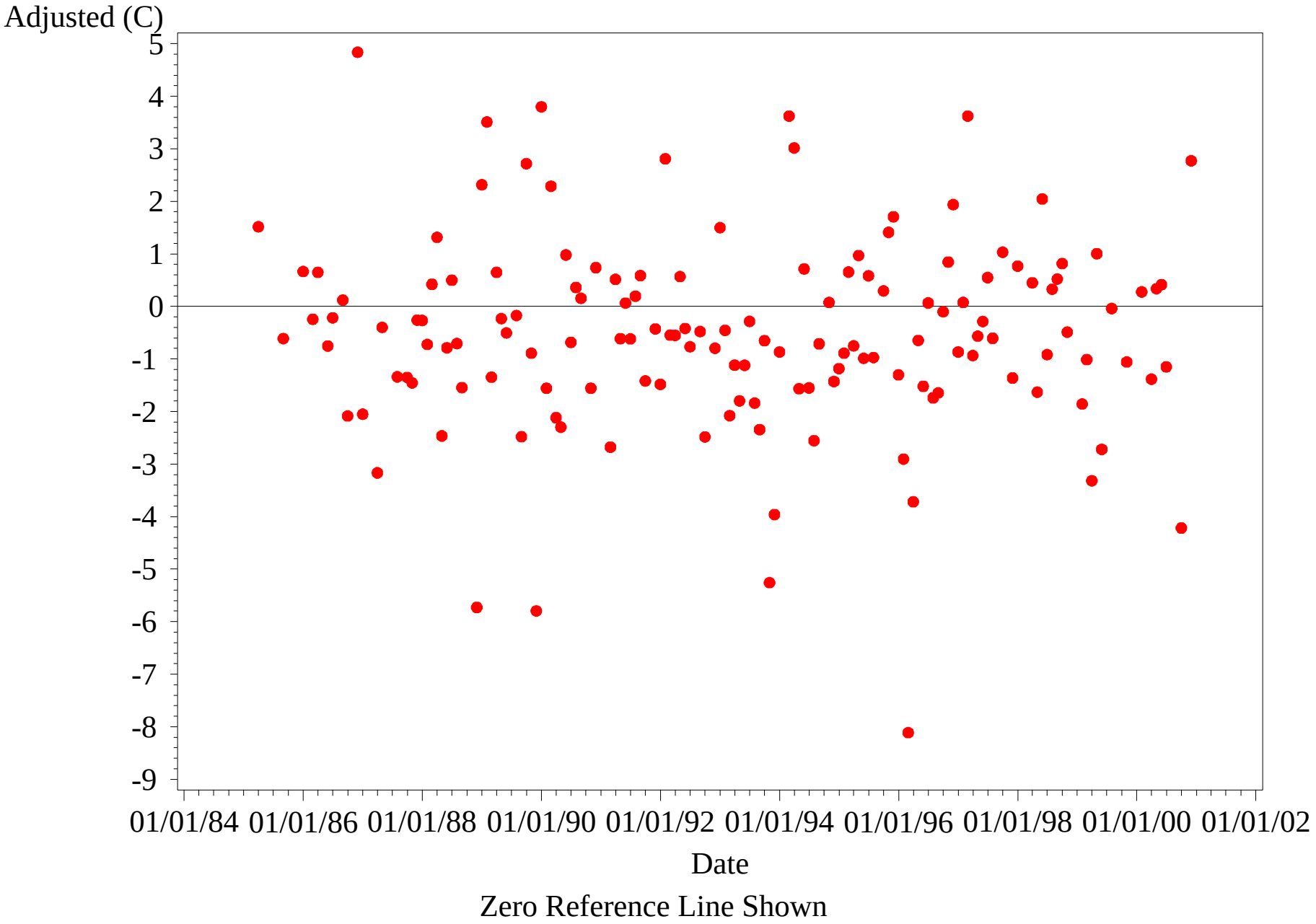
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56115SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.13533	0.034841	0.095183	0.066667

Lemon Bay Trends Appendix - Display 52

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56115SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 53

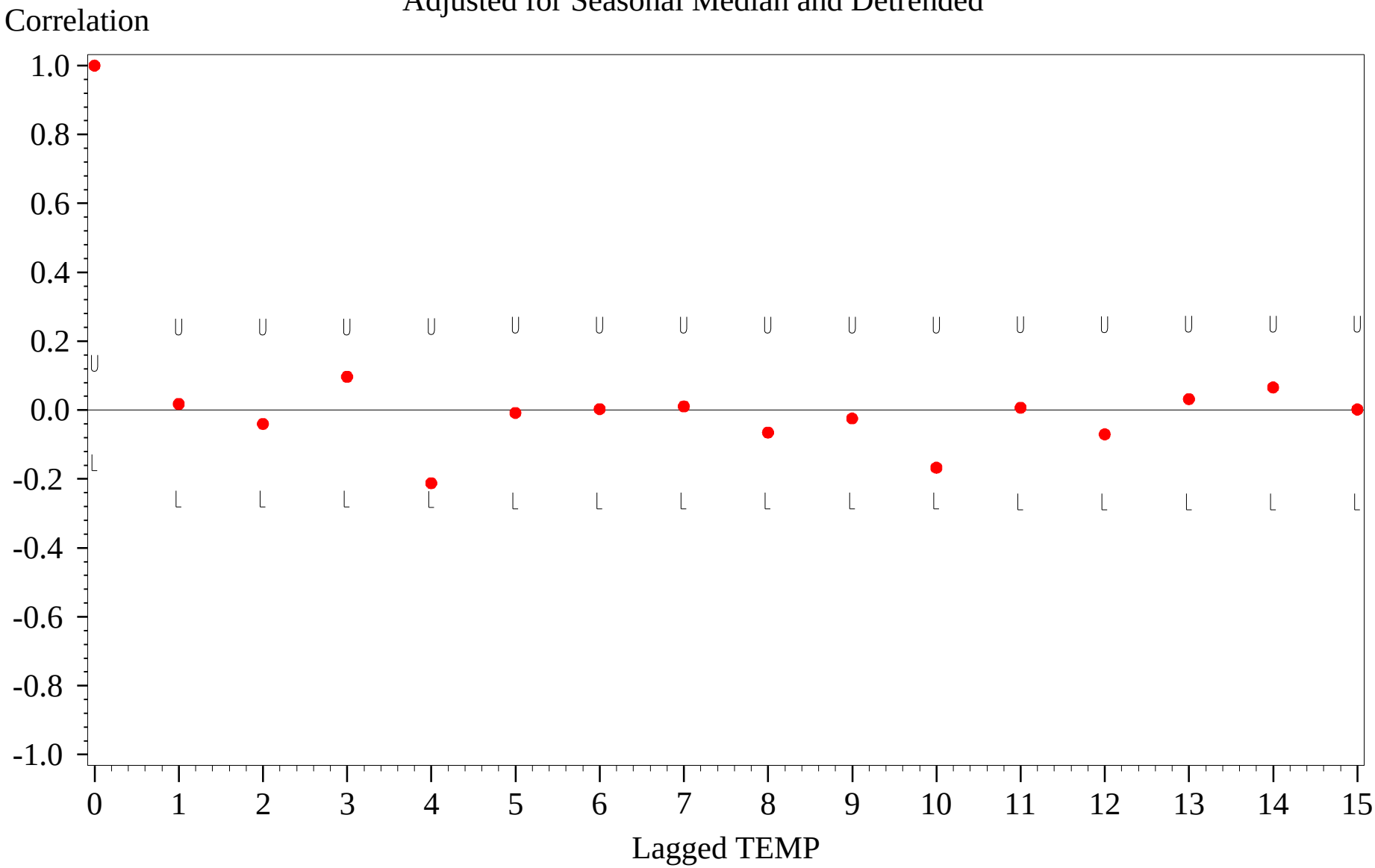
Autocorrelation Statistics for Surface Temperature at FDEP Station 56115SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.018	0.125	0.250	-0.250
2	-0.040	0.125	0.250	-0.250
3	0.097	0.125	0.250	-0.250
4	-0.212	0.125	0.251	-0.251
5	-0.008	0.127	0.255	-0.255
6	0.003	0.127	0.255	-0.255
7	0.011	0.127	0.255	-0.255
8	-0.065	0.127	0.255	-0.255
9	-0.024	0.128	0.255	-0.255
10	-0.167	0.128	0.255	-0.255
11	0.007	0.129	0.257	-0.257
12	-0.070	0.129	0.257	-0.257
13	0.032	0.129	0.258	-0.258
14	0.066	0.129	0.258	-0.258
15	0.002	0.129	0.258	-0.258

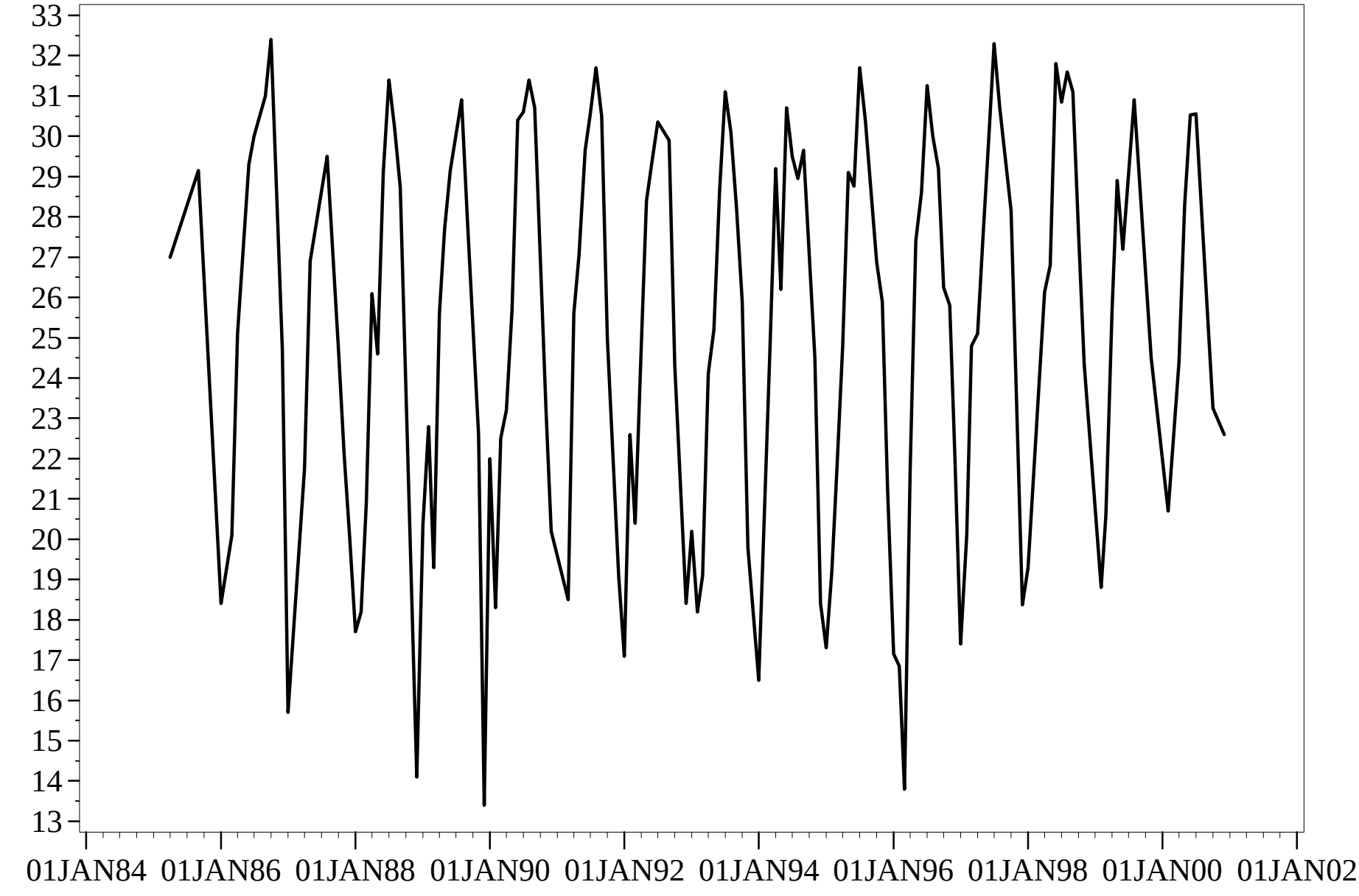
Lemon Bay Trends Appendix - Display 54
Correlogram for Surface Temperature at FDEP Station 56115SEAS

Adjusted for Seasonal Median and Detrended



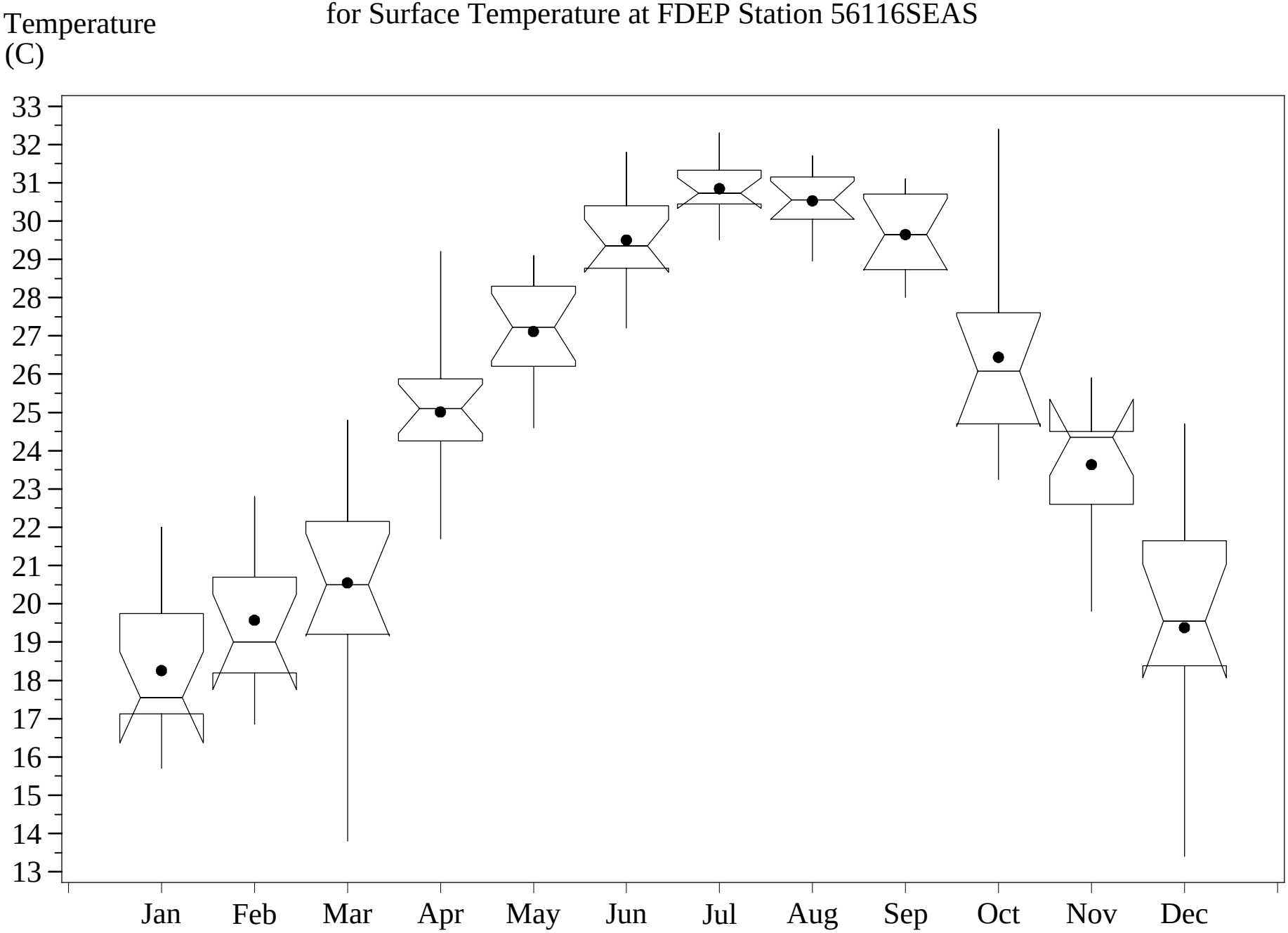
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 55
Monthly Data Time Series
for Surface Temperature at FDEP Station 56116SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 56

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56116SEAS



Lemon Bay Trends Appendix - Display 57

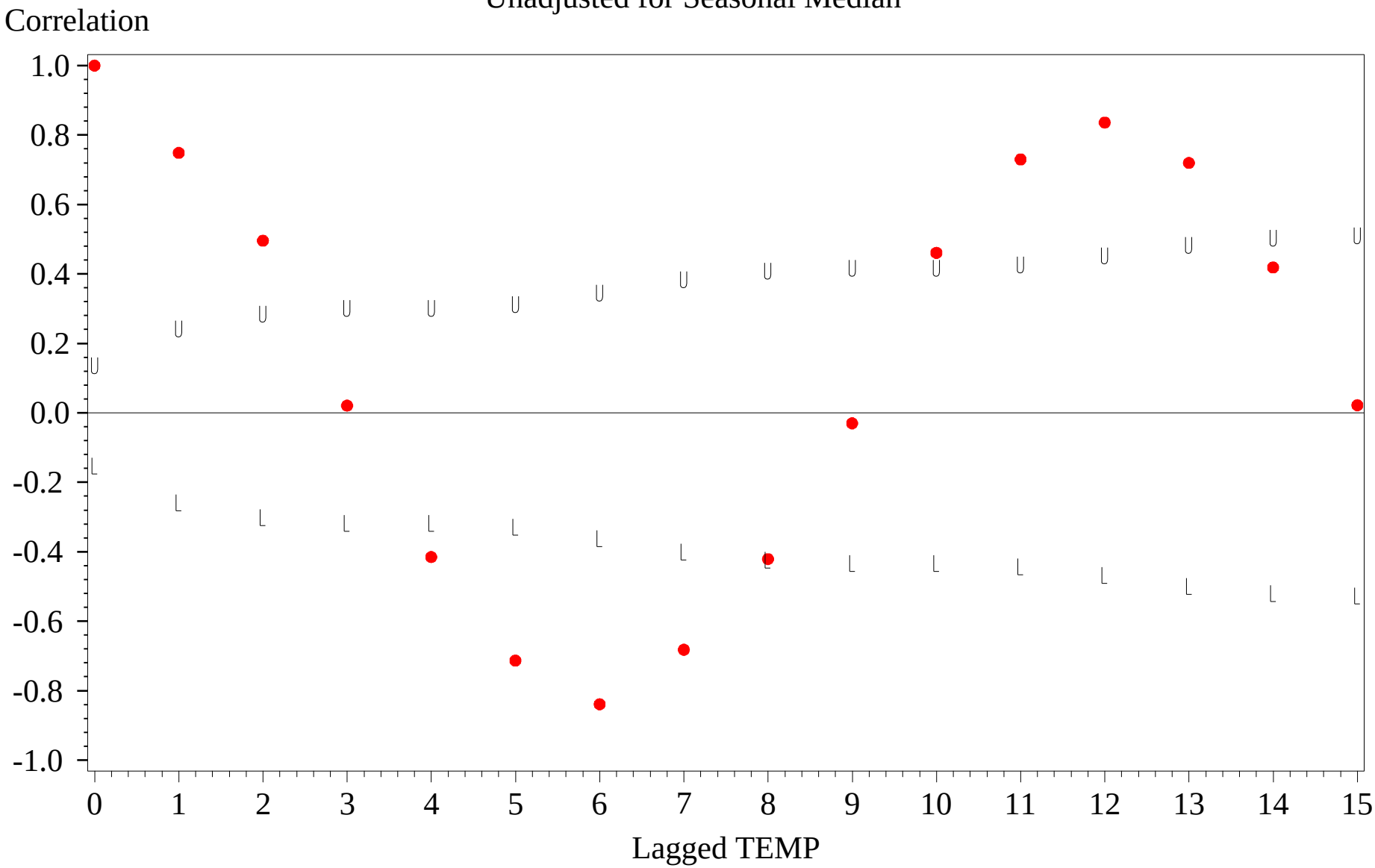
Autocorrelation Statistics for Surface Temperature at FDEP Station 56116SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.749	0.125	0.250	-0.250
2	0.496	0.147	0.293	-0.293
3	0.021	0.155	0.310	-0.310
4	-0.415	0.155	0.310	-0.310
5	-0.713	0.161	0.321	-0.321
6	-0.839	0.176	0.353	-0.353
7	-0.682	0.196	0.392	-0.392
8	-0.421	0.208	0.416	-0.416
9	-0.030	0.212	0.425	-0.425
10	0.461	0.212	0.425	-0.425
11	0.730	0.218	0.435	-0.435
12	0.836	0.230	0.460	-0.460
13	0.720	0.245	0.491	-0.491
14	0.419	0.256	0.512	-0.512
15	0.022	0.260	0.519	-0.519

Lemon Bay Trends Appendix - Display 58
Correlogram for Surface Temperature at FDEP Station 56116SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 59

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56116SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.111	0.088	0.184	0.059

Lemon Bay Trends Appendix - Display 60

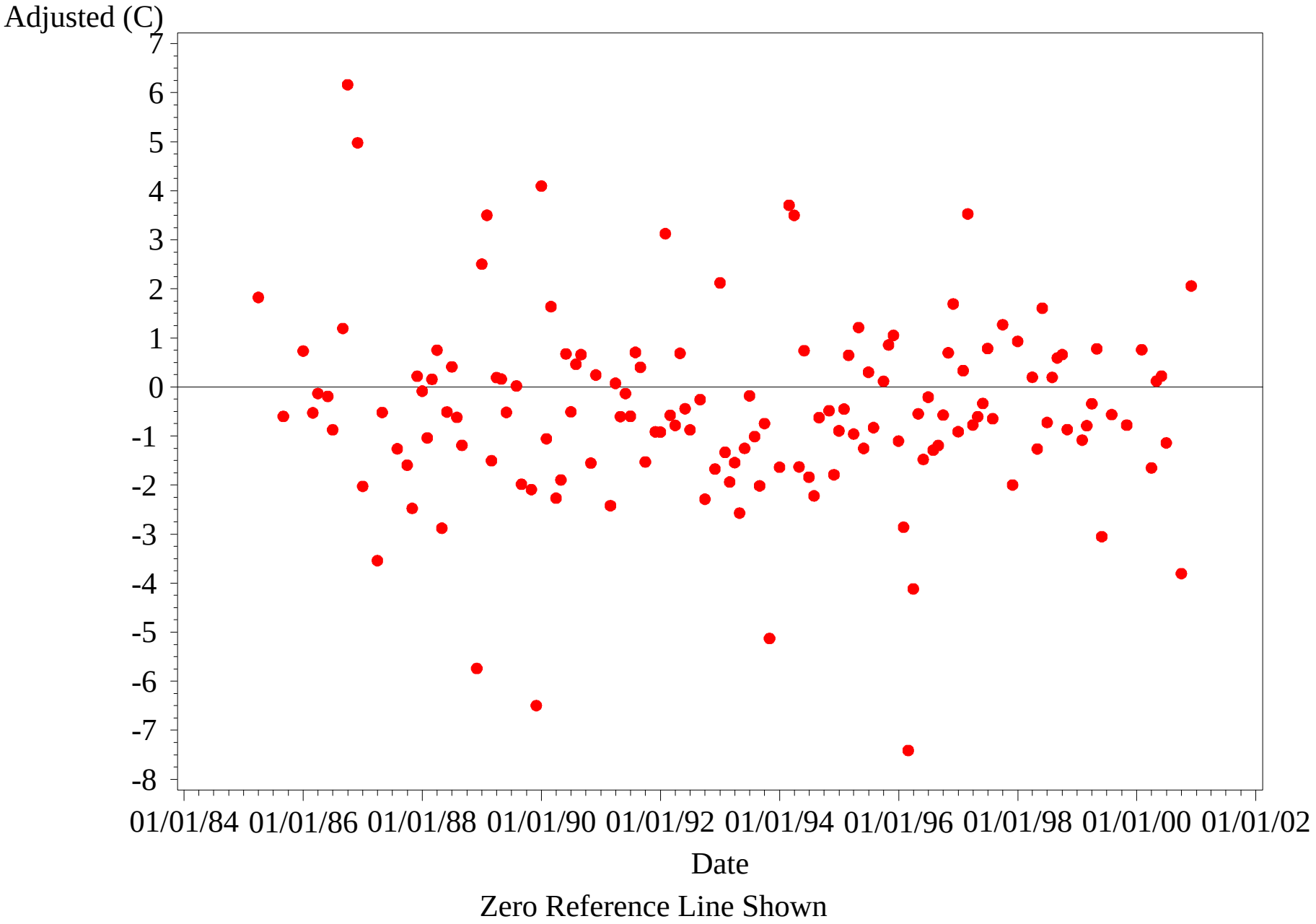
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56116SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.11070	0.088032	0.18401	0.0585

Lemon Bay Trends Appendix - Display 61

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended
at FDEP Station 56116SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 62

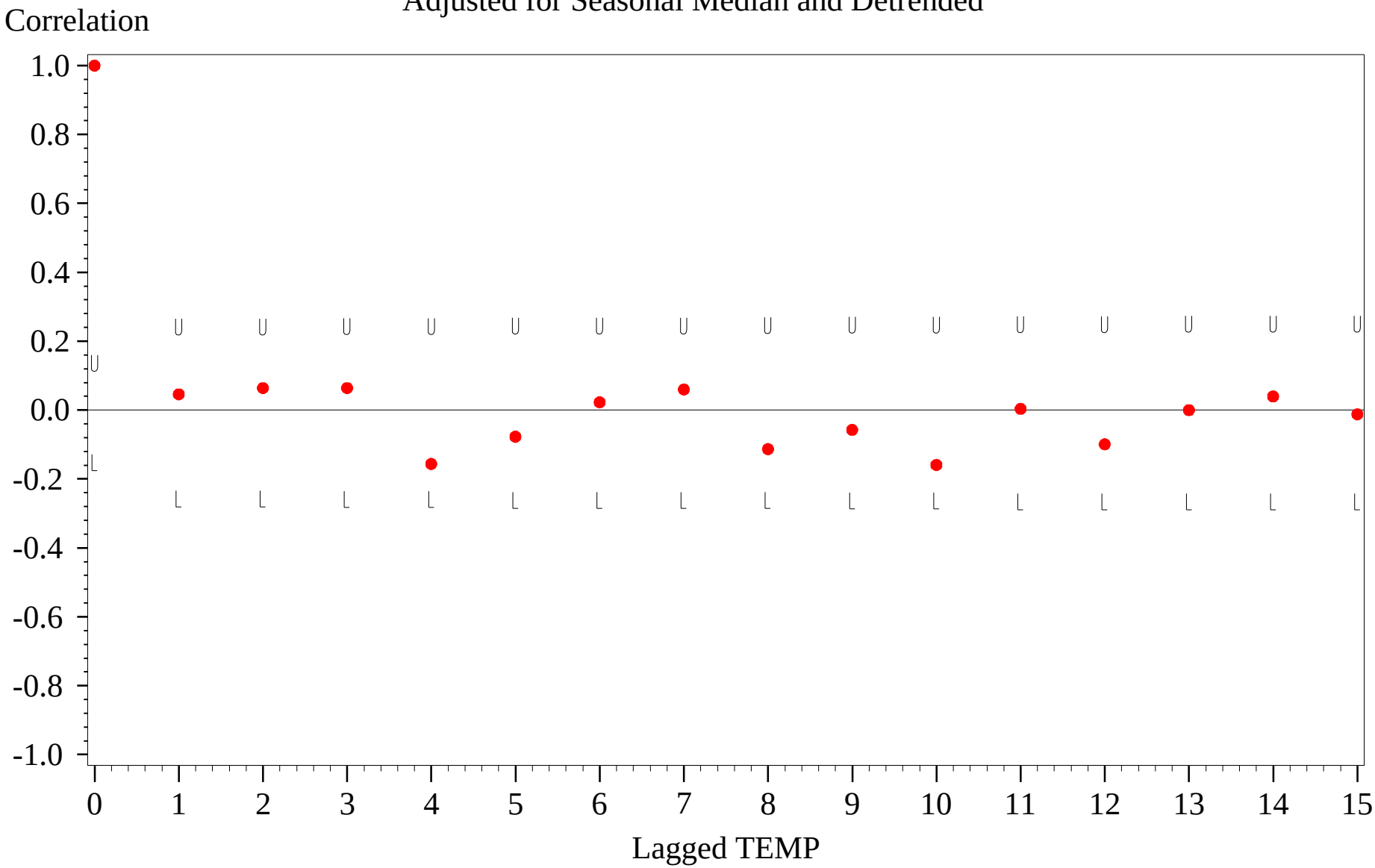
Autocorrelation Statistics for Surface Temperature at FDEP Station 56116SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.046	0.125	0.250	-0.250
2	0.064	0.125	0.250	-0.250
3	0.064	0.125	0.251	-0.251
4	-0.156	0.125	0.251	-0.251
5	-0.077	0.126	0.253	-0.253
6	0.023	0.127	0.253	-0.253
7	0.060	0.127	0.253	-0.253
8	-0.113	0.127	0.254	-0.254
9	-0.057	0.127	0.255	-0.255
10	-0.159	0.128	0.255	-0.255
11	0.004	0.129	0.257	-0.257
12	-0.099	0.129	0.257	-0.257
13	0.000	0.129	0.258	-0.258
14	0.040	0.129	0.258	-0.258
15	-0.012	0.129	0.258	-0.258

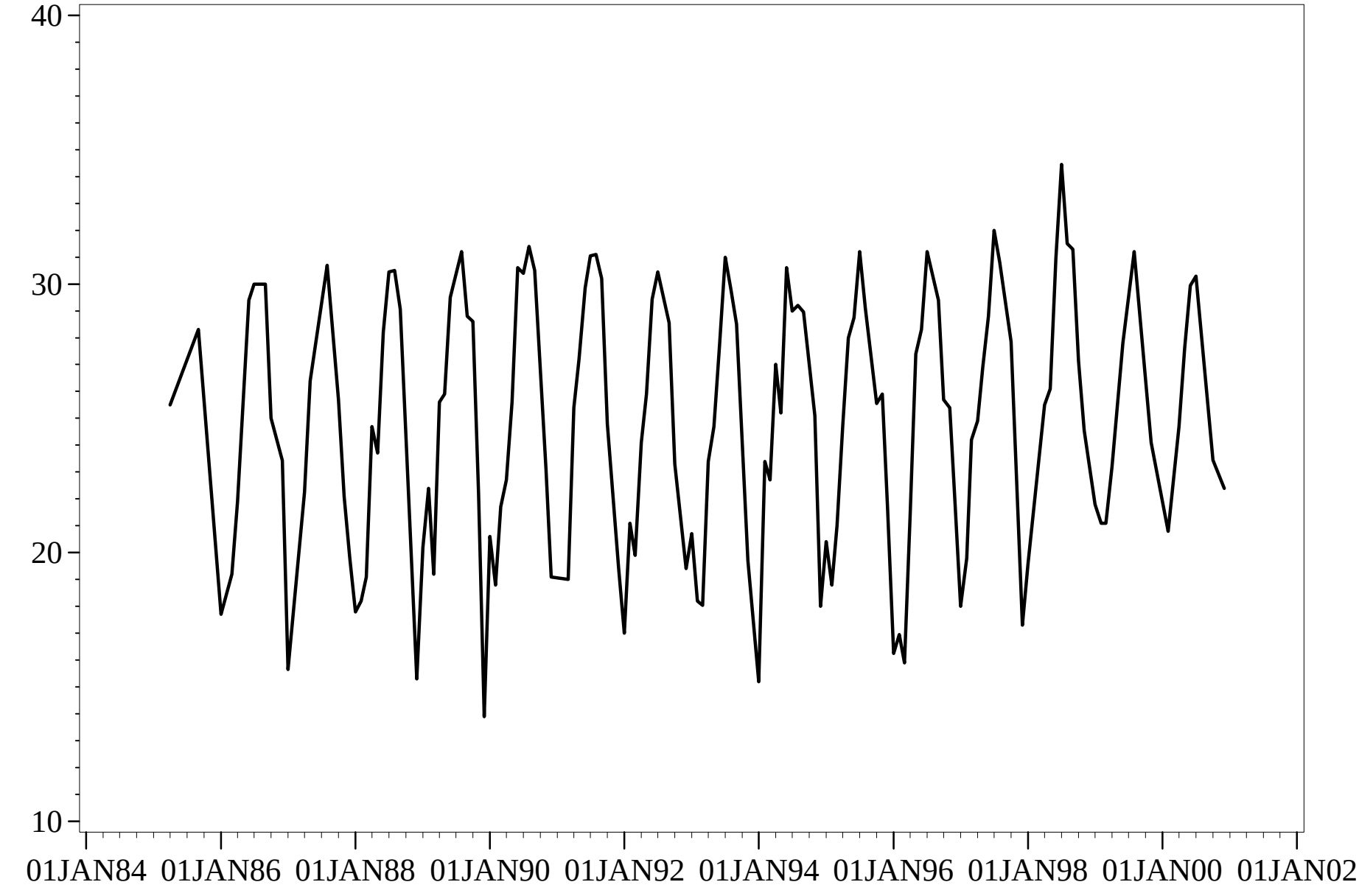
Lemon Bay Trends Appendix - Display 63
Correlogram for Surface Temperature at FDEP Station 56116SEAS

Adjusted for Seasonal Median and Detrended



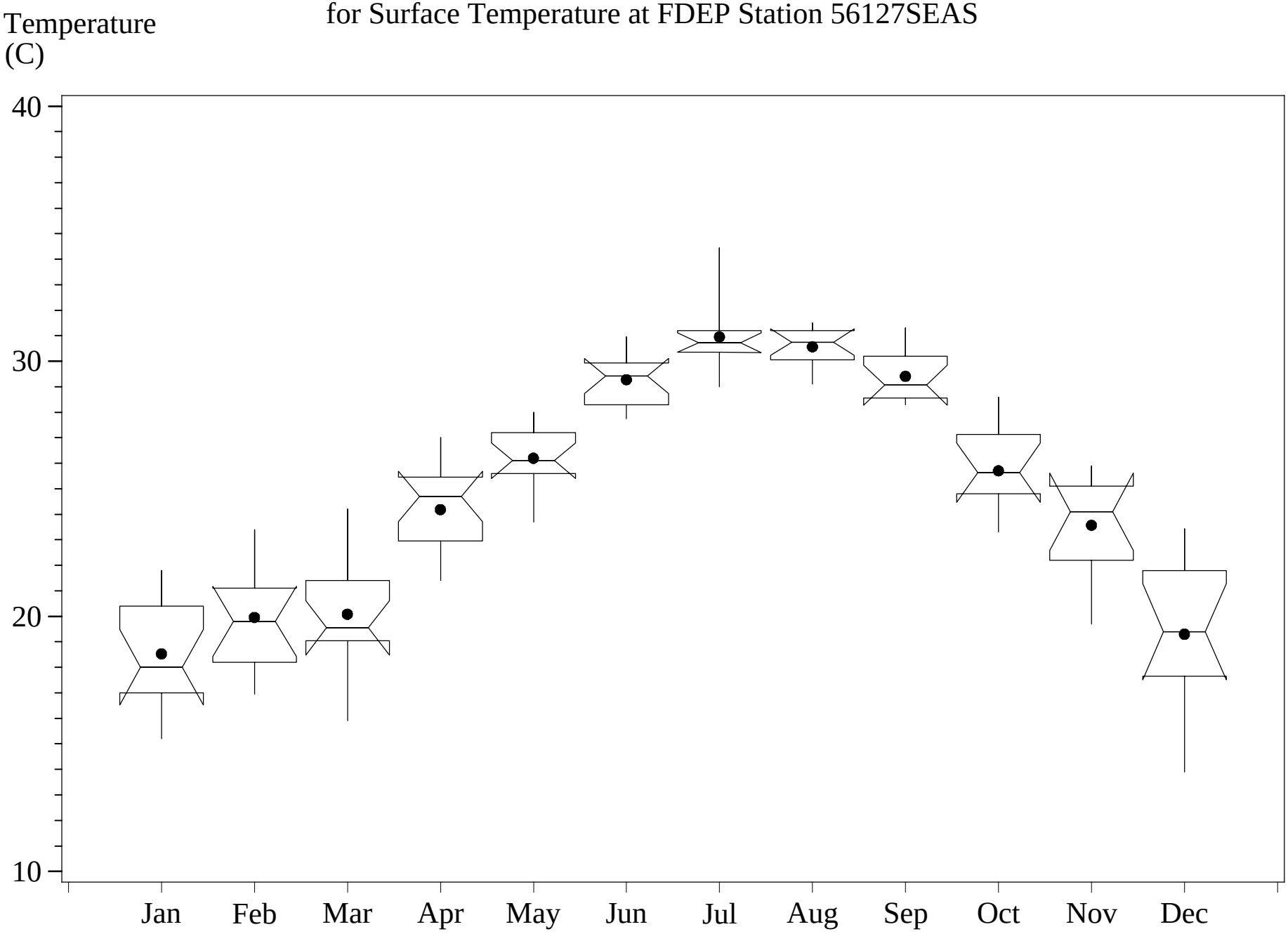
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 64
Monthly Data Time Series
for Surface Temperature at FDEP Station 56127SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 65

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56127SEAS



Lemon Bay Trends Appendix - Display 66

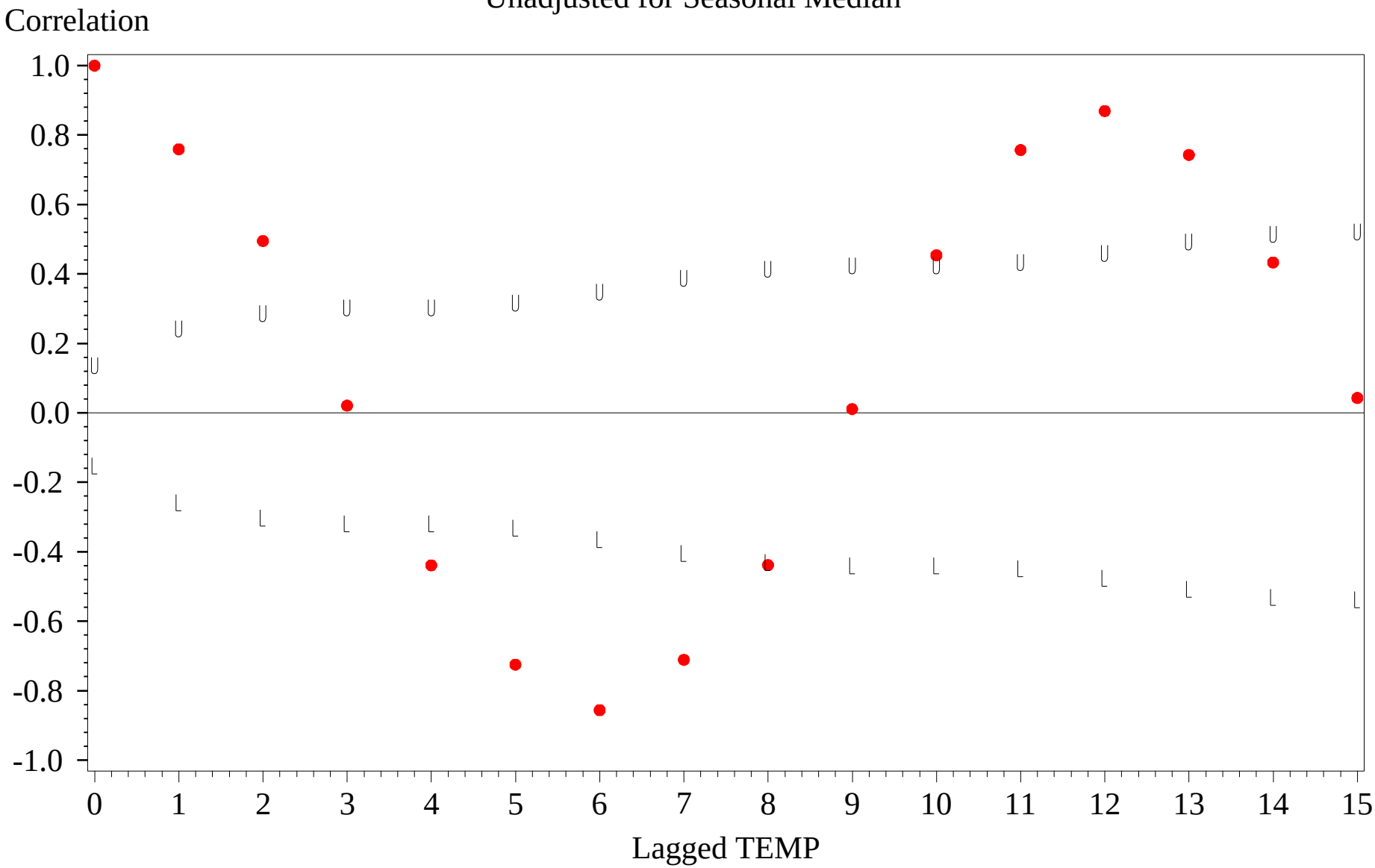
Autocorrelation Statistics for Surface Temperature at FDEP Station 56127SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.759	0.125	0.250	-0.250
2	0.495	0.147	0.294	-0.294
3	0.021	0.156	0.311	-0.311
4	-0.439	0.156	0.311	-0.311
5	-0.725	0.162	0.324	-0.324
6	-0.856	0.178	0.356	-0.356
7	-0.711	0.198	0.396	-0.396
8	-0.438	0.211	0.422	-0.422
9	0.011	0.216	0.432	-0.432
10	0.454	0.216	0.432	-0.432
11	0.757	0.221	0.441	-0.441
12	0.869	0.234	0.468	-0.468
13	0.743	0.250	0.500	-0.500
14	0.433	0.261	0.523	-0.523
15	0.043	0.265	0.530	-0.530

Lemon Bay Trends Appendix - Display 67
Correlogram for Surface Temperature at FDEP Station 56127SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 68

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56127SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.169	.008	0.051	0.091

Lemon Bay Trends Appendix - Display 69

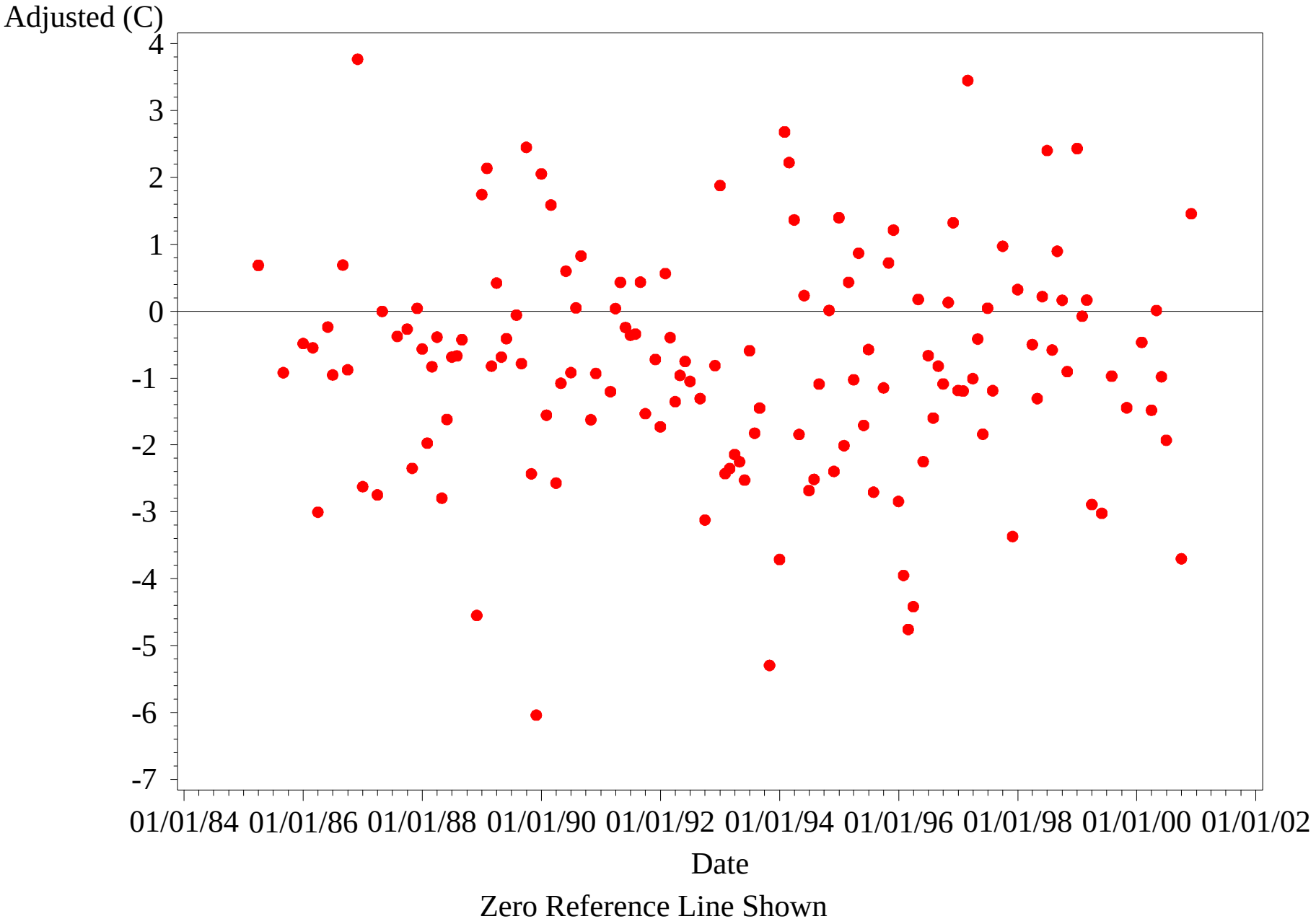
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56127SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.1691	.0084554	0.050915	0.091154

Lemon Bay Trends Appendix - Display 70

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56127SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 71

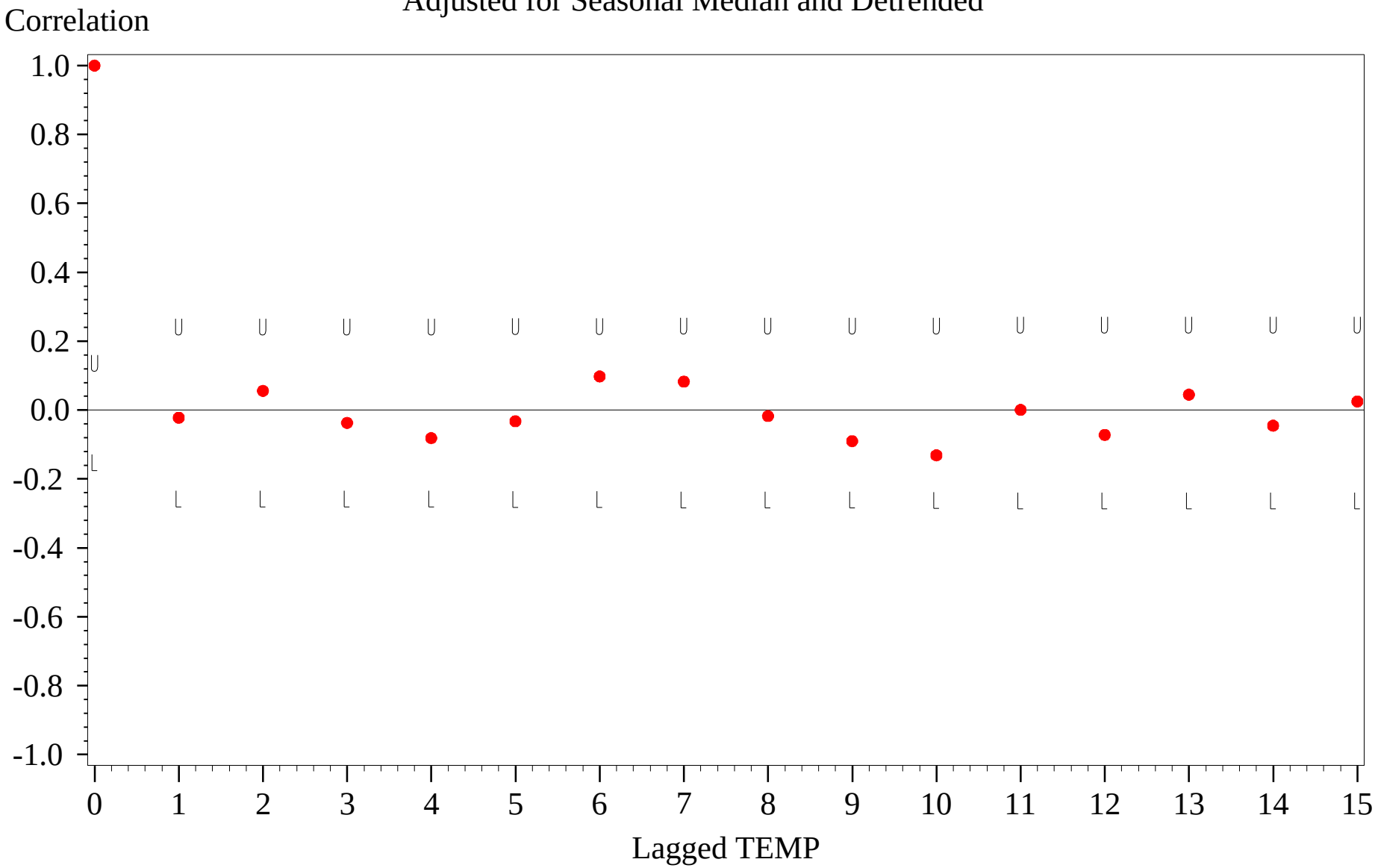
Autocorrelation Statistics for Surface Temperature at FDEP Station 56127SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	-0.022	0.125	0.250	-0.250
2	0.056	0.125	0.250	-0.250
3	-0.037	0.125	0.250	-0.250
4	-0.081	0.125	0.250	-0.250
5	-0.032	0.125	0.251	-0.251
6	0.098	0.126	0.251	-0.251
7	0.083	0.126	0.252	-0.252
8	-0.017	0.126	0.252	-0.252
9	-0.090	0.126	0.252	-0.252
10	-0.131	0.127	0.253	-0.253
11	0.001	0.127	0.255	-0.255
12	-0.072	0.127	0.255	-0.255
13	0.045	0.127	0.255	-0.255
14	-0.045	0.128	0.255	-0.255
15	0.025	0.128	0.255	-0.255

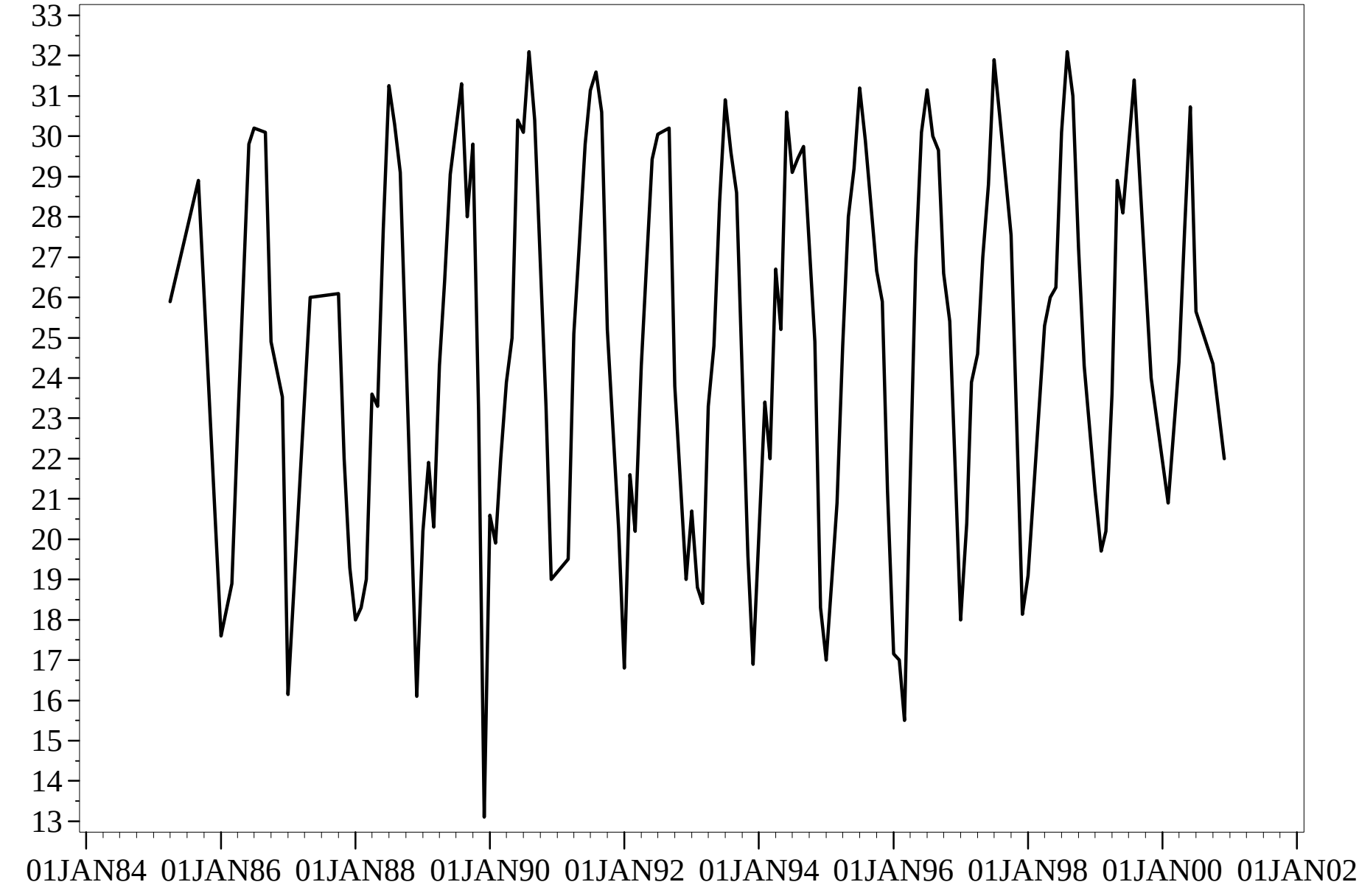
Lemon Bay Trends Appendix - Display 72
Correlogram for Surface Temperature at FDEP Station 56127SEAS

Adjusted for Seasonal Median and Detrended



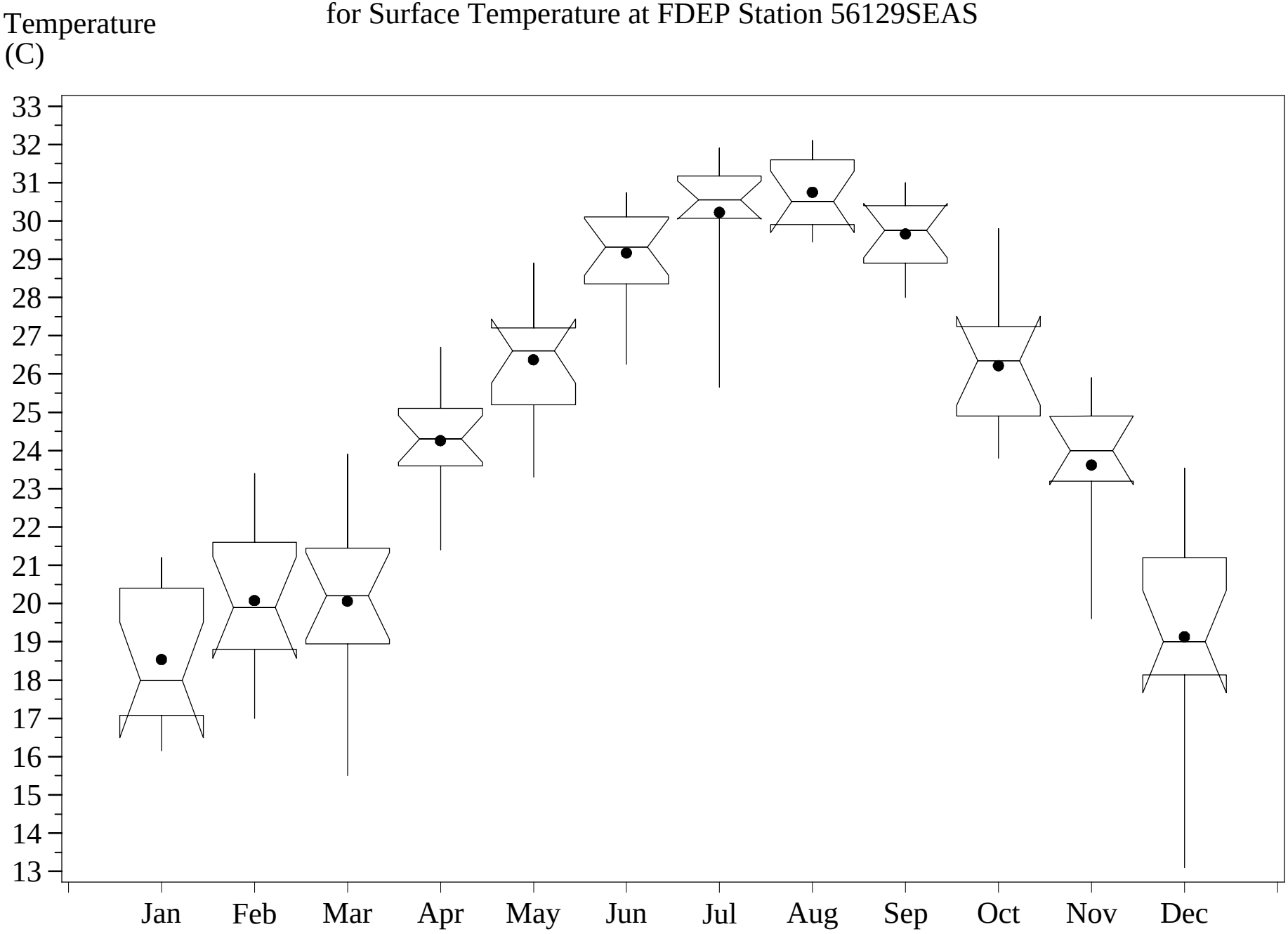
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 73
Monthly Data Time Series
for Surface Temperature at FDEP Station 56129SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 74

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56129SEAS



Lemon Bay Trends Appendix - Display 75

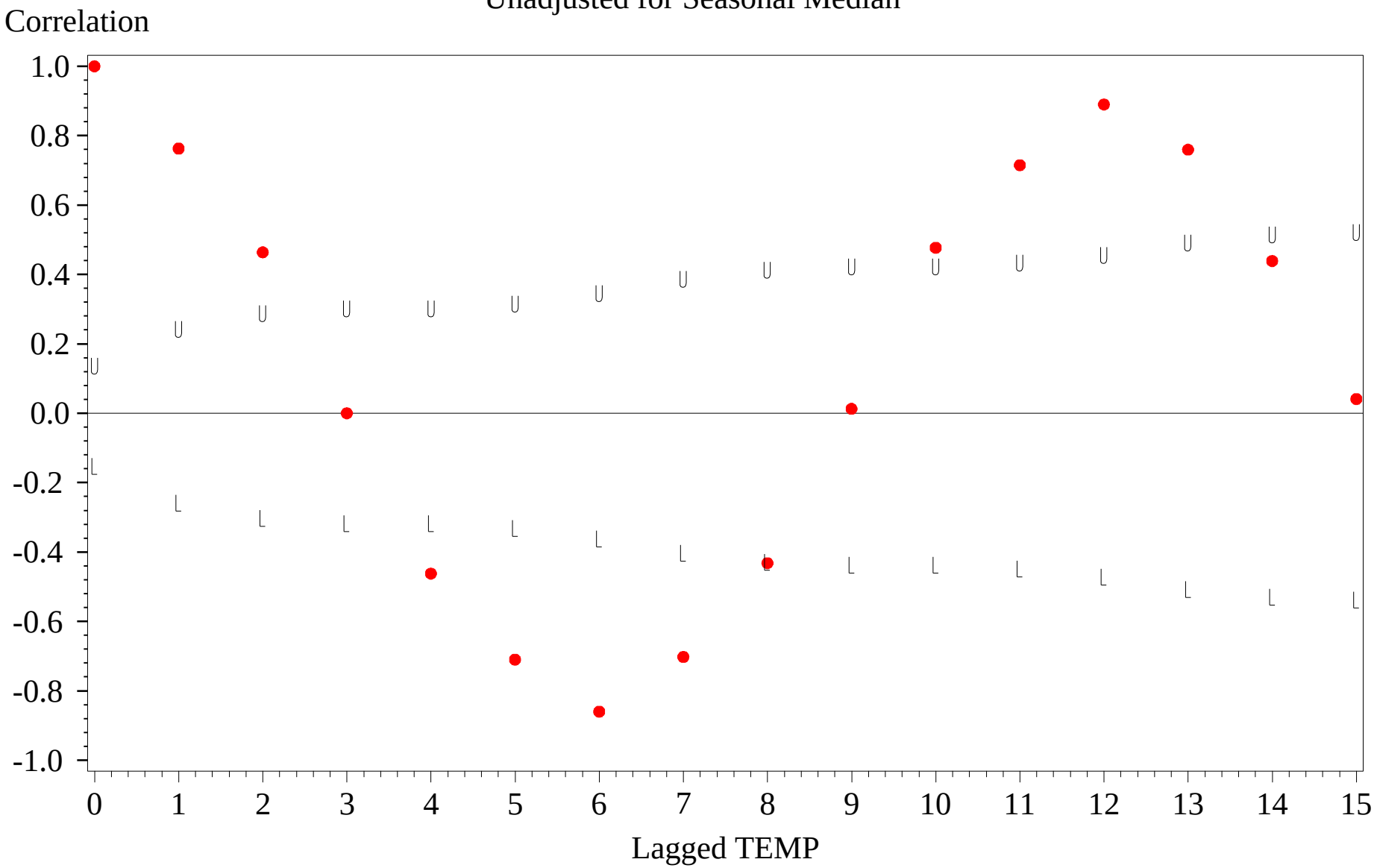
Autocorrelation Statistics for Surface Temperature at FDEP Station 56129SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.763	0.125	0.250	-0.250
2	0.464	0.147	0.295	-0.295
3	0.000	0.155	0.309	-0.309
4	-0.462	0.155	0.309	-0.309
5	-0.710	0.162	0.323	-0.323
6	-0.860	0.177	0.354	-0.354
7	-0.702	0.198	0.395	-0.395
8	-0.432	0.210	0.421	-0.421
9	0.013	0.215	0.430	-0.430
10	0.477	0.215	0.430	-0.430
11	0.715	0.220	0.441	-0.441
12	0.890	0.232	0.464	-0.464
13	0.760	0.249	0.499	-0.499
14	0.439	0.261	0.522	-0.522
15	0.041	0.265	0.530	-0.530

Lemon Bay Trends Appendix - Display 76
Correlogram for Surface Temperature at FDEP Station 56129SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 77

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56129SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.15	0.021	0.071	0.086

Lemon Bay Trends Appendix - Display 78

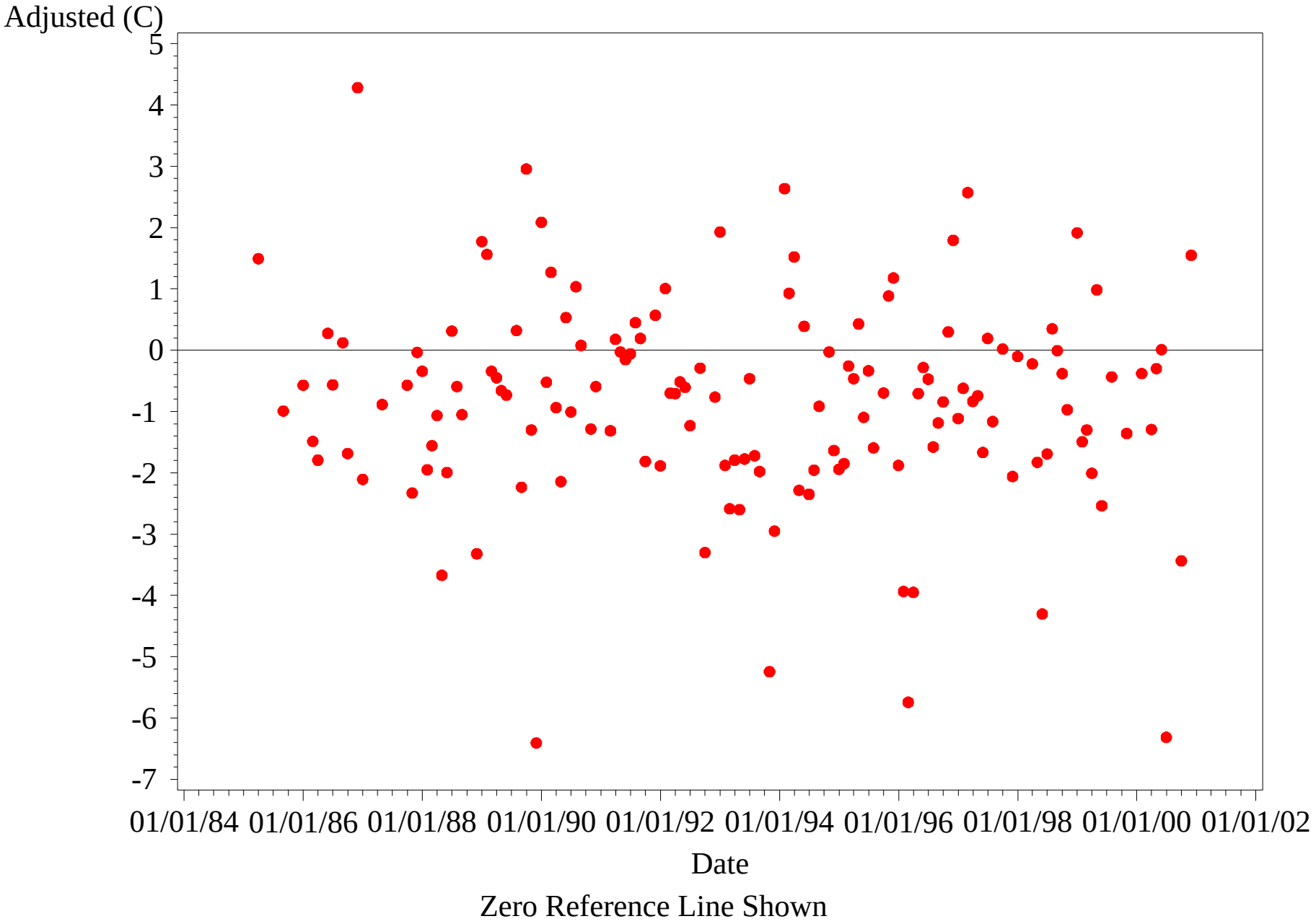
Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56129SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14957	0.020551	0.071175	0.085714

Lemon Bay Trends Appendix - Display 79

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56129SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 80

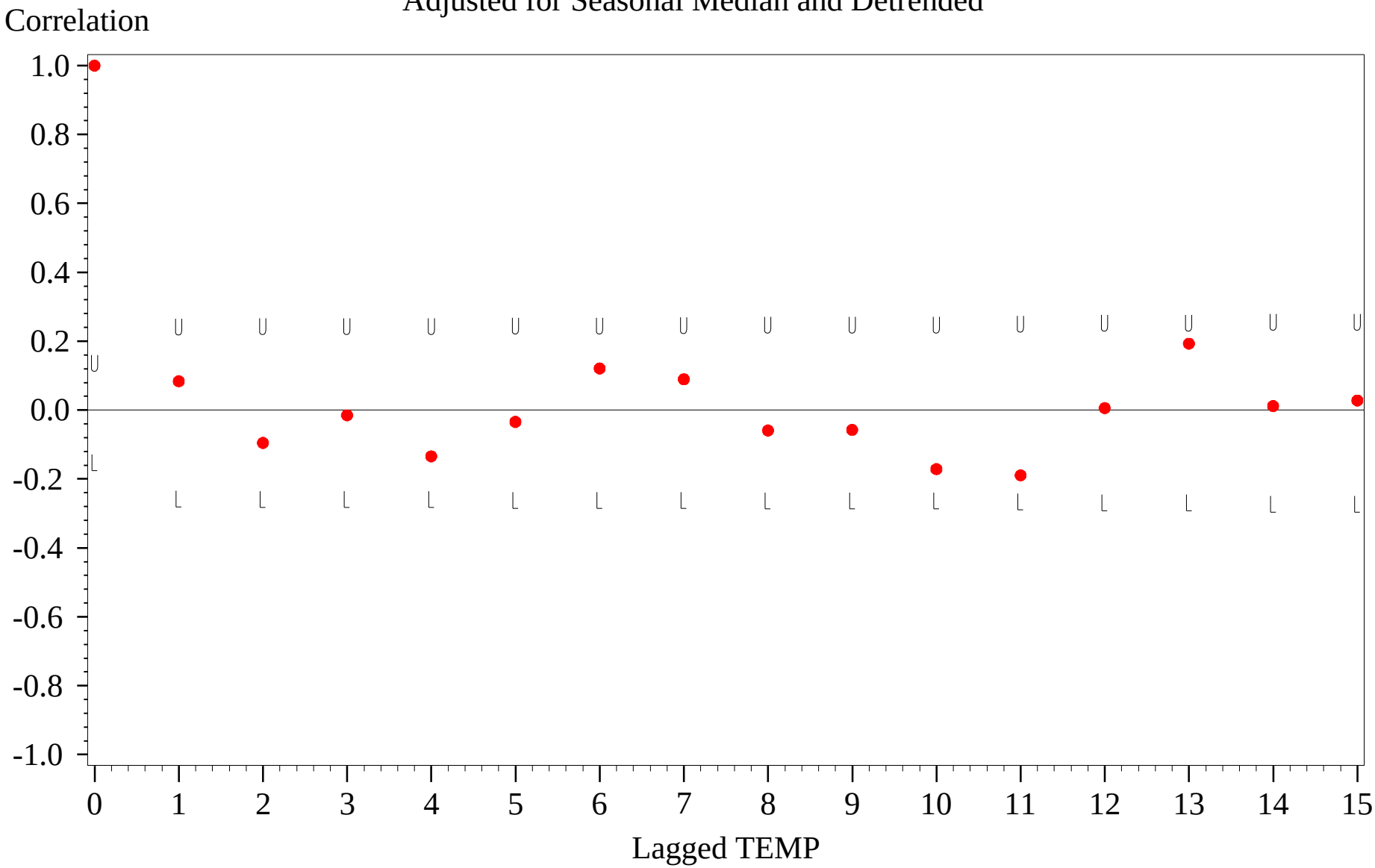
Autocorrelation Statistics for Surface Temperature at FDEP Station 56129SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.084	0.125	0.250	-0.250
2	-0.095	0.125	0.251	-0.251
3	-0.015	0.126	0.251	-0.251
4	-0.134	0.126	0.251	-0.251
5	-0.034	0.126	0.253	-0.253
6	0.121	0.126	0.253	-0.253
7	0.090	0.127	0.254	-0.254
8	-0.059	0.127	0.255	-0.255
9	-0.057	0.128	0.255	-0.255
10	-0.171	0.128	0.255	-0.255
11	-0.189	0.129	0.258	-0.258
12	0.006	0.130	0.261	-0.261
13	0.193	0.130	0.261	-0.261
14	0.012	0.132	0.264	-0.264
15	0.028	0.132	0.264	-0.264

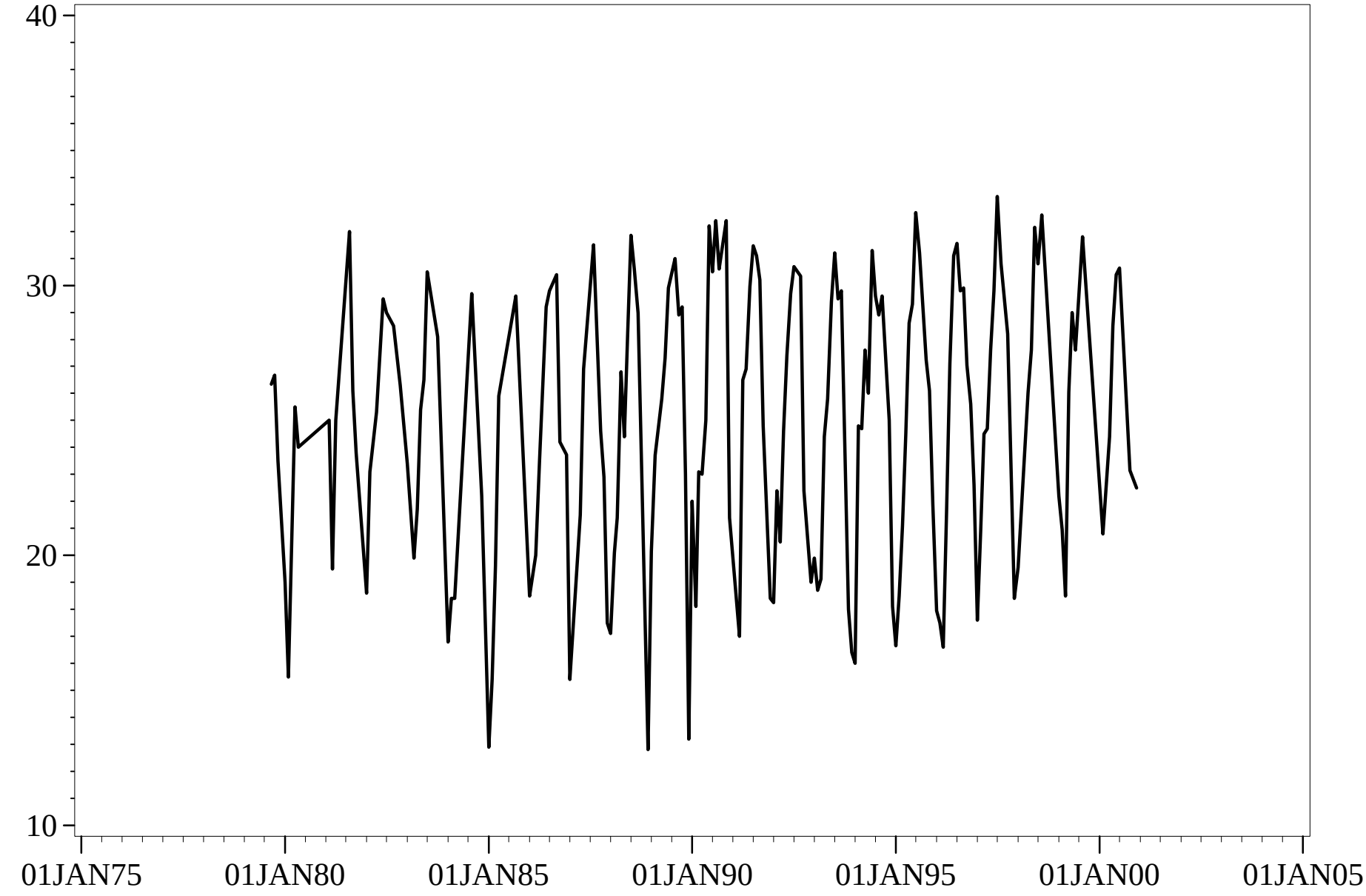
Lemon Bay Trends Appendix - Display 81
Correlogram for Surface Temperature at FDEP Station 56129SEAS

Adjusted for Seasonal Median and Detrended



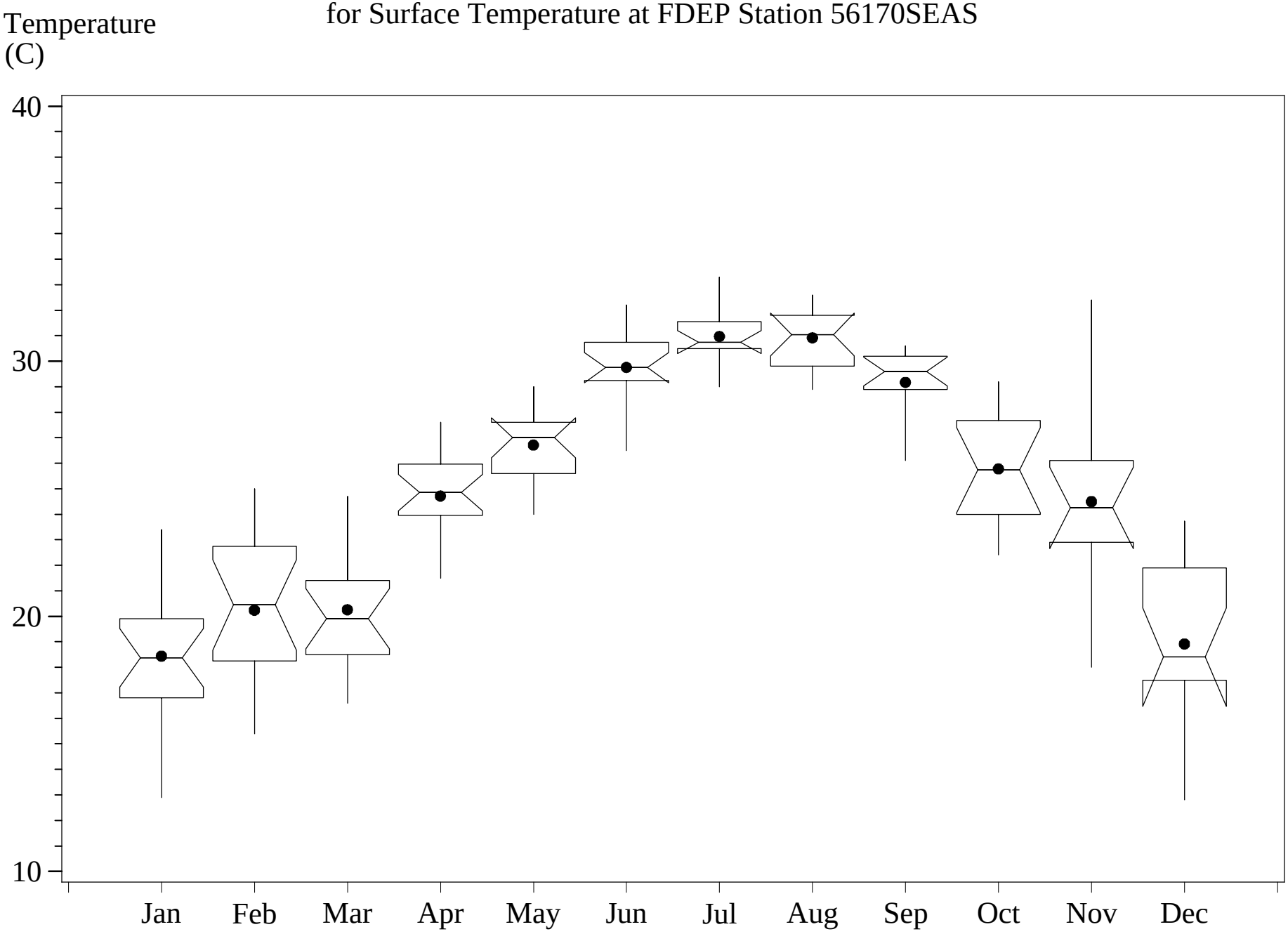
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 82
Monthly Data Time Series
for Surface Temperature at FDEP Station 56170SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 83

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56170SEAS



Lemon Bay Trends Appendix - Display 84

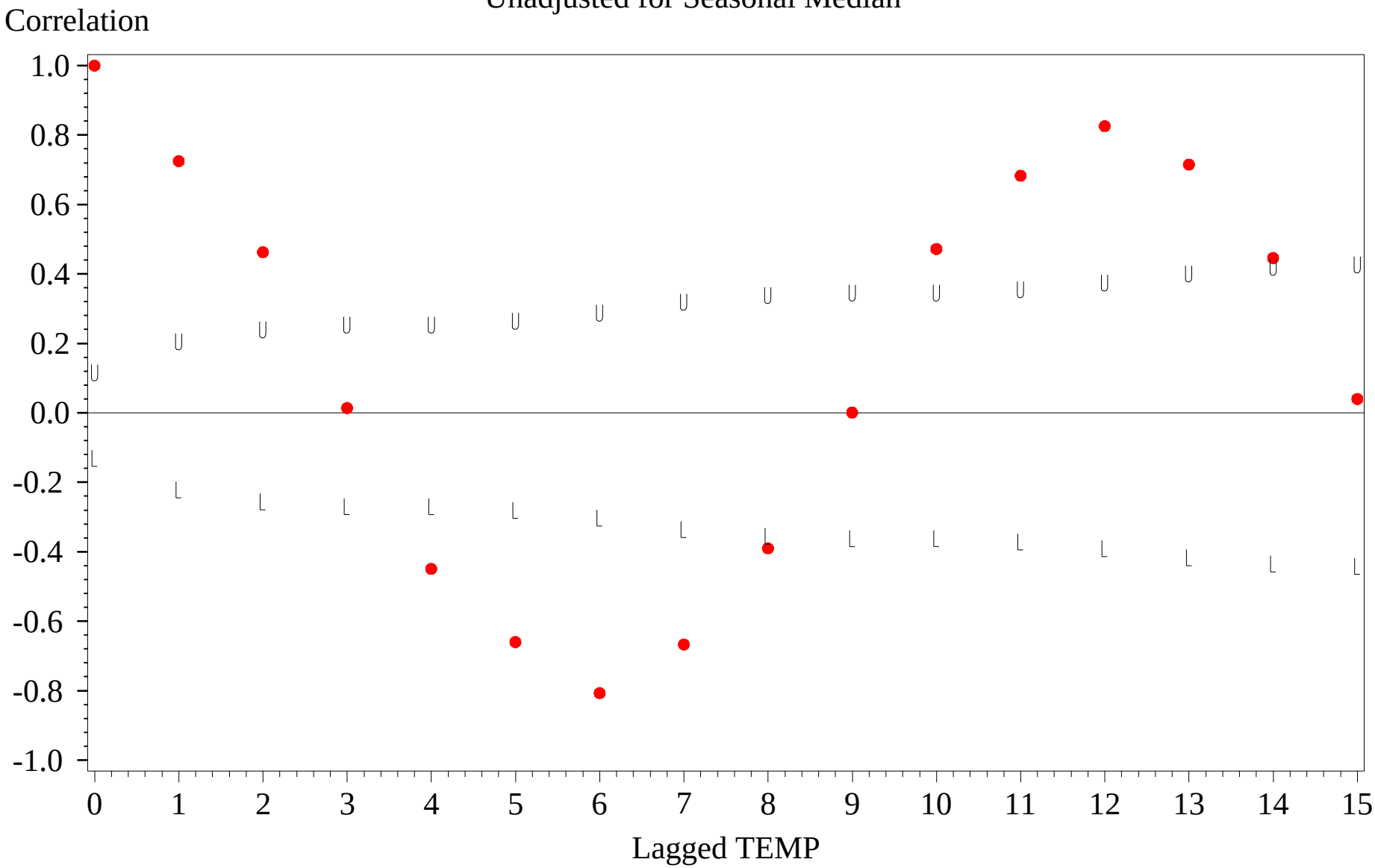
Autocorrelation Statistics for Surface Temperature at FDEP Station 56170SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.725	0.107	0.213	-0.213
2	0.463	0.124	0.248	-0.248
3	0.014	0.130	0.261	-0.261
4	-0.449	0.130	0.261	-0.261
5	-0.660	0.136	0.272	-0.272
6	-0.807	0.148	0.295	-0.295
7	-0.667	0.163	0.327	-0.327
8	-0.390	0.173	0.347	-0.347
9	0.001	0.177	0.354	-0.354
10	0.472	0.177	0.354	-0.354
11	0.683	0.181	0.363	-0.363
12	0.826	0.191	0.382	-0.382
13	0.715	0.204	0.408	-0.408
14	0.446	0.213	0.427	-0.427
15	0.040	0.217	0.434	-0.434

Lemon Bay Trends Appendix - Display 85
Correlogram for Surface Temperature at FDEP Station 56170SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 86

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56170SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.187	.001	.002	0.094

Lemon Bay Trends Appendix - Display 87

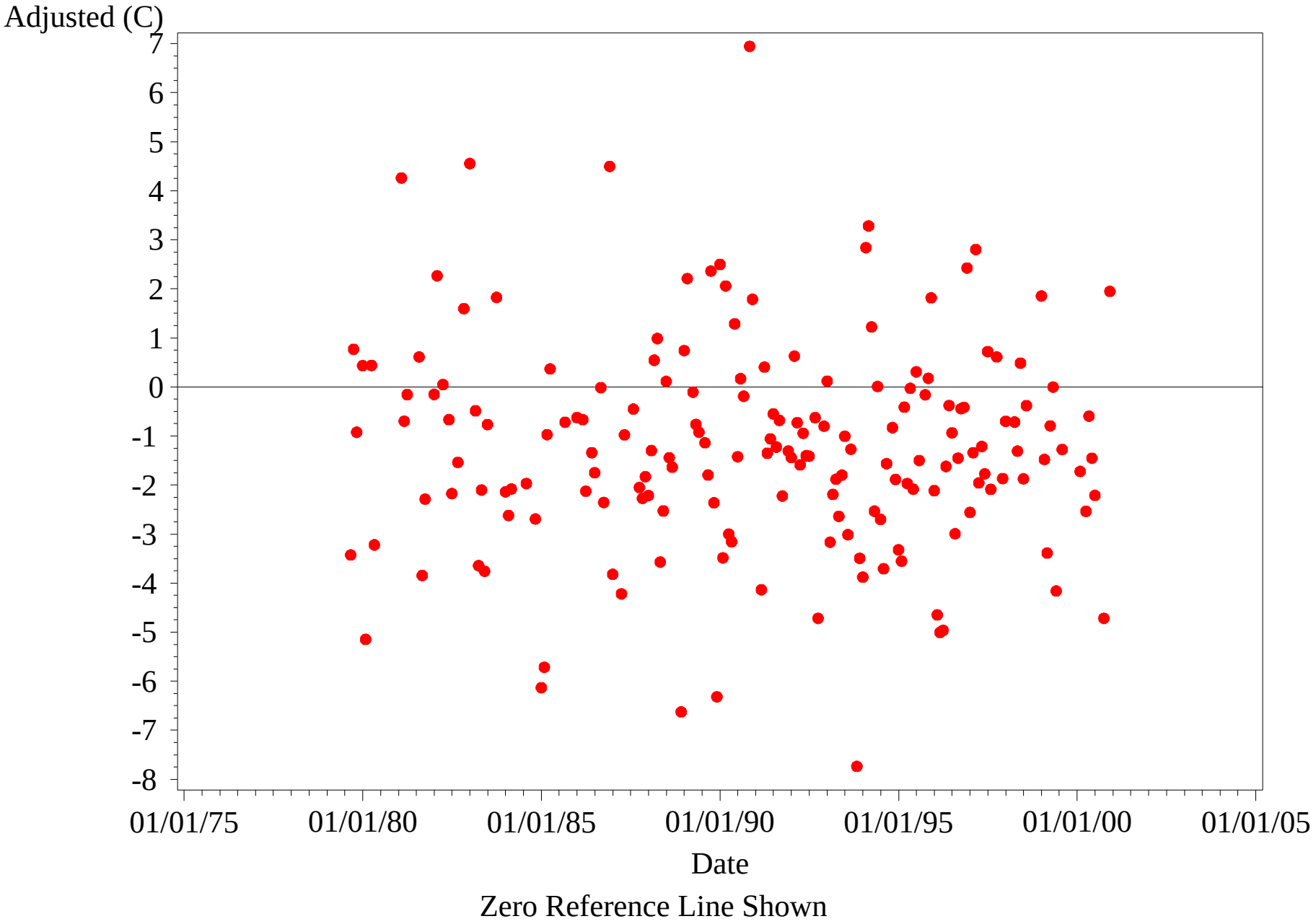
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56170SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.18695	.00101697	.00212026	0.09375

Lemon Bay Trends Appendix - Display 88

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56170SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 89

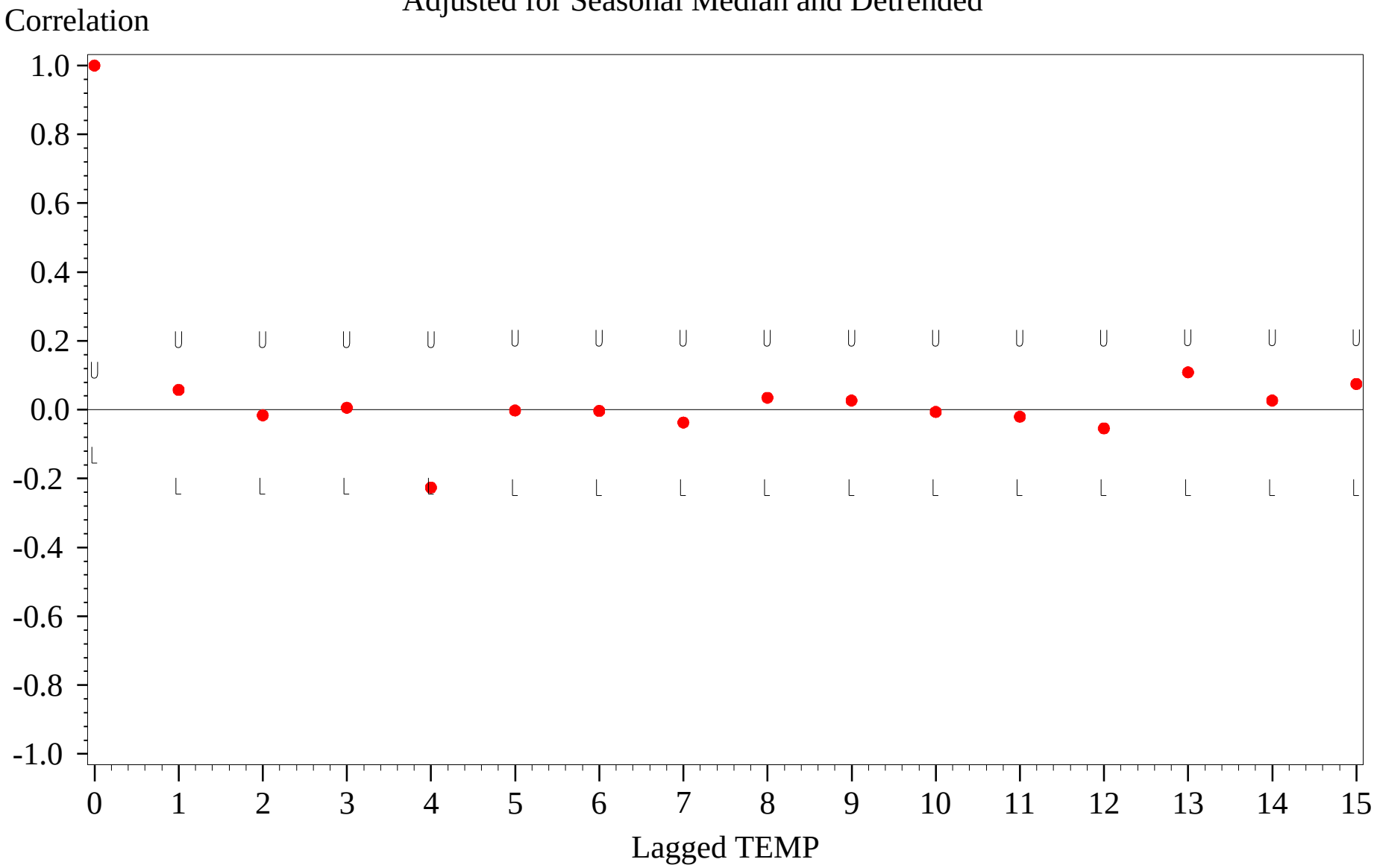
Autocorrelation Statistics for Surface Temperature at FDEP Station 56170SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.058	0.107	0.213	-0.213
2	-0.016	0.107	0.213	-0.213
3	0.006	0.107	0.213	-0.213
4	-0.226	0.107	0.213	-0.213
5	-0.002	0.109	0.217	-0.217
6	-0.003	0.109	0.217	-0.217
7	-0.037	0.109	0.217	-0.217
8	0.035	0.109	0.217	-0.217
9	0.027	0.109	0.217	-0.217
10	-0.006	0.109	0.217	-0.217
11	-0.020	0.109	0.217	-0.217
12	-0.054	0.109	0.217	-0.217
13	0.109	0.109	0.218	-0.218
14	0.027	0.109	0.218	-0.218
15	0.075	0.109	0.218	-0.218

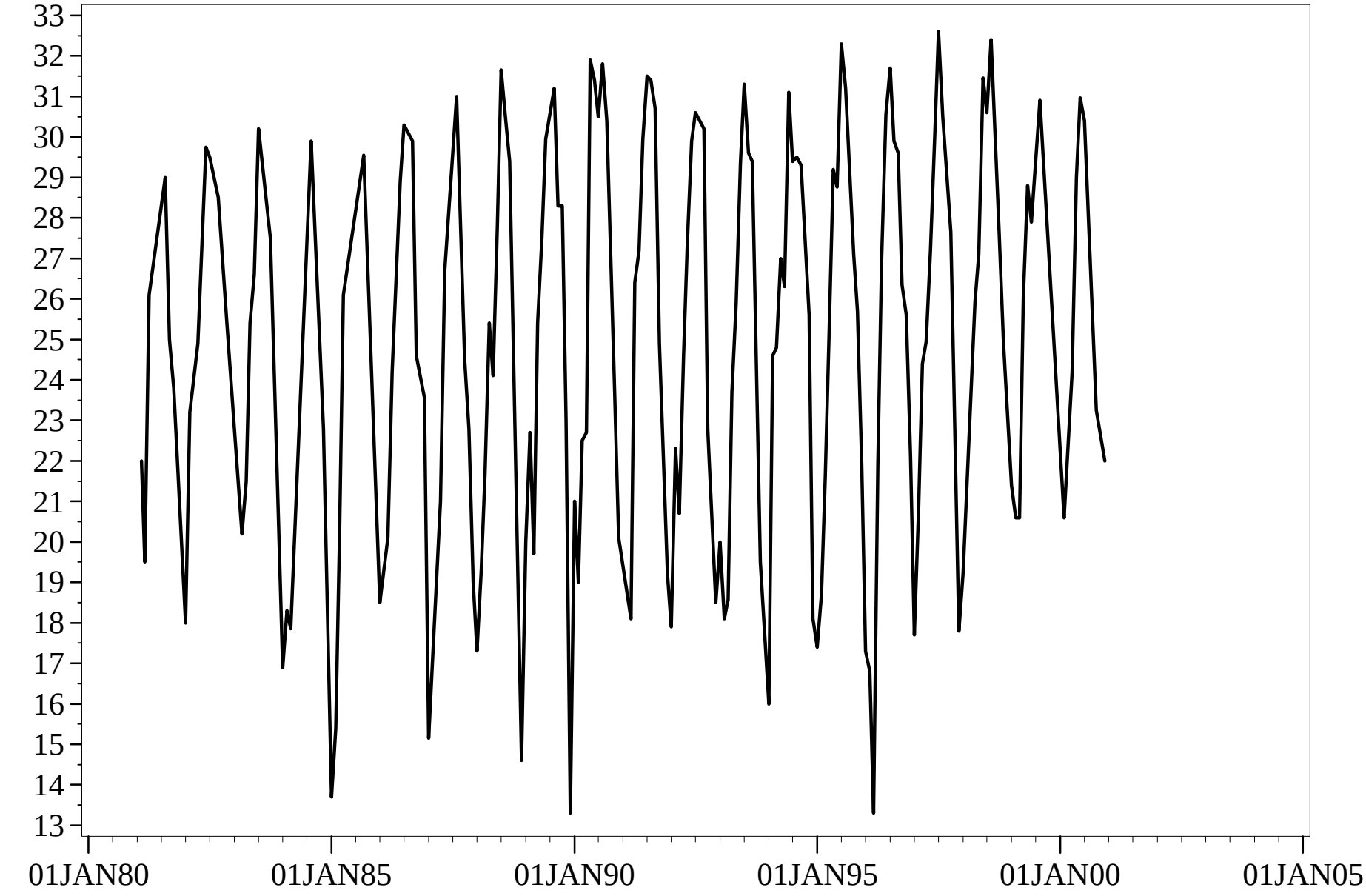
Lemon Bay Trends Appendix - Display 90
Correlogram for Surface Temperature at FDEP Station 56170SEAS

Adjusted for Seasonal Median and Detrended



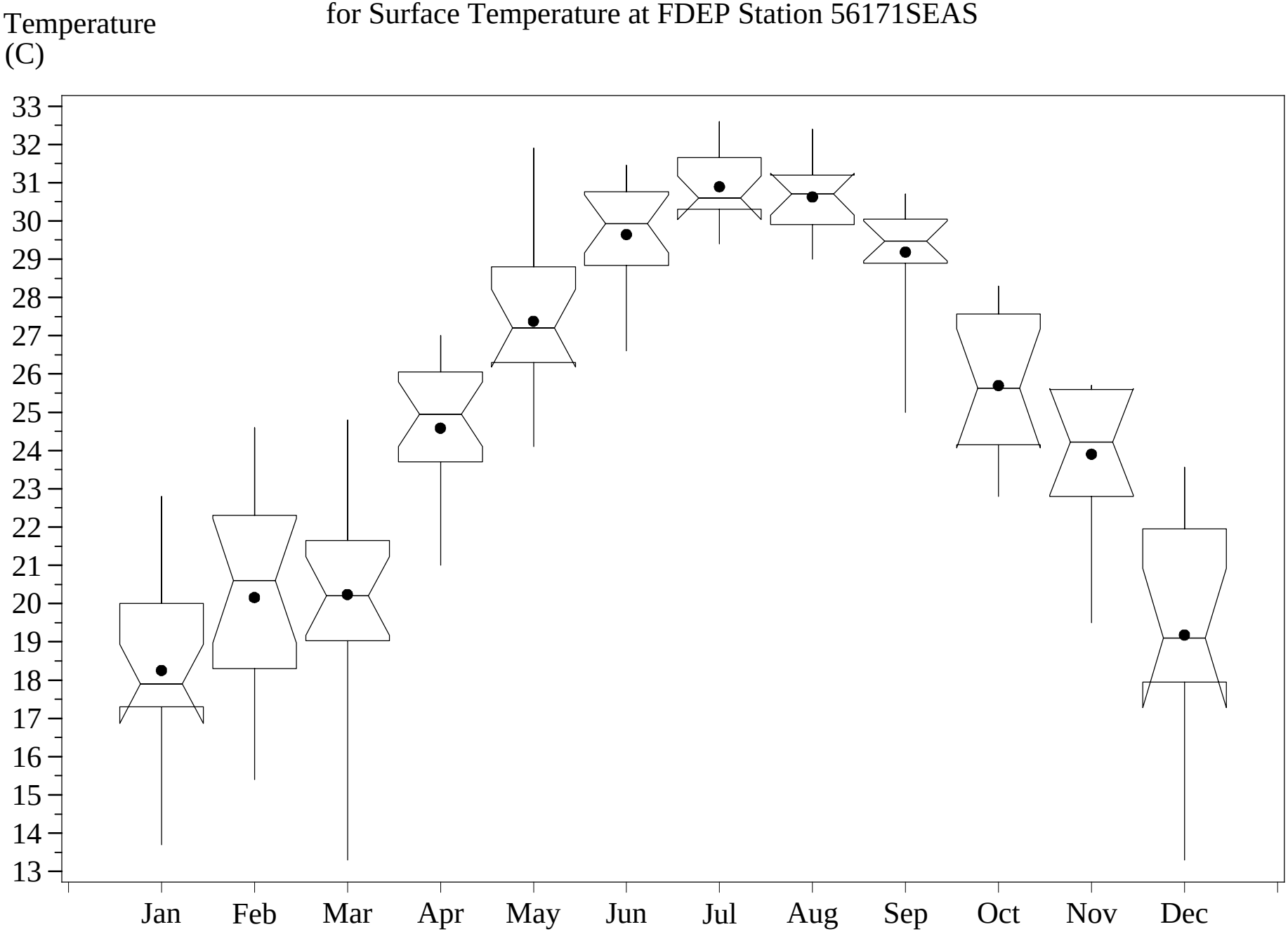
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 91
Monthly Data Time Series
for Surface Temperature at FDEP Station 56171SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 92

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56171SEAS



Lemon Bay Trends Appendix - Display 93

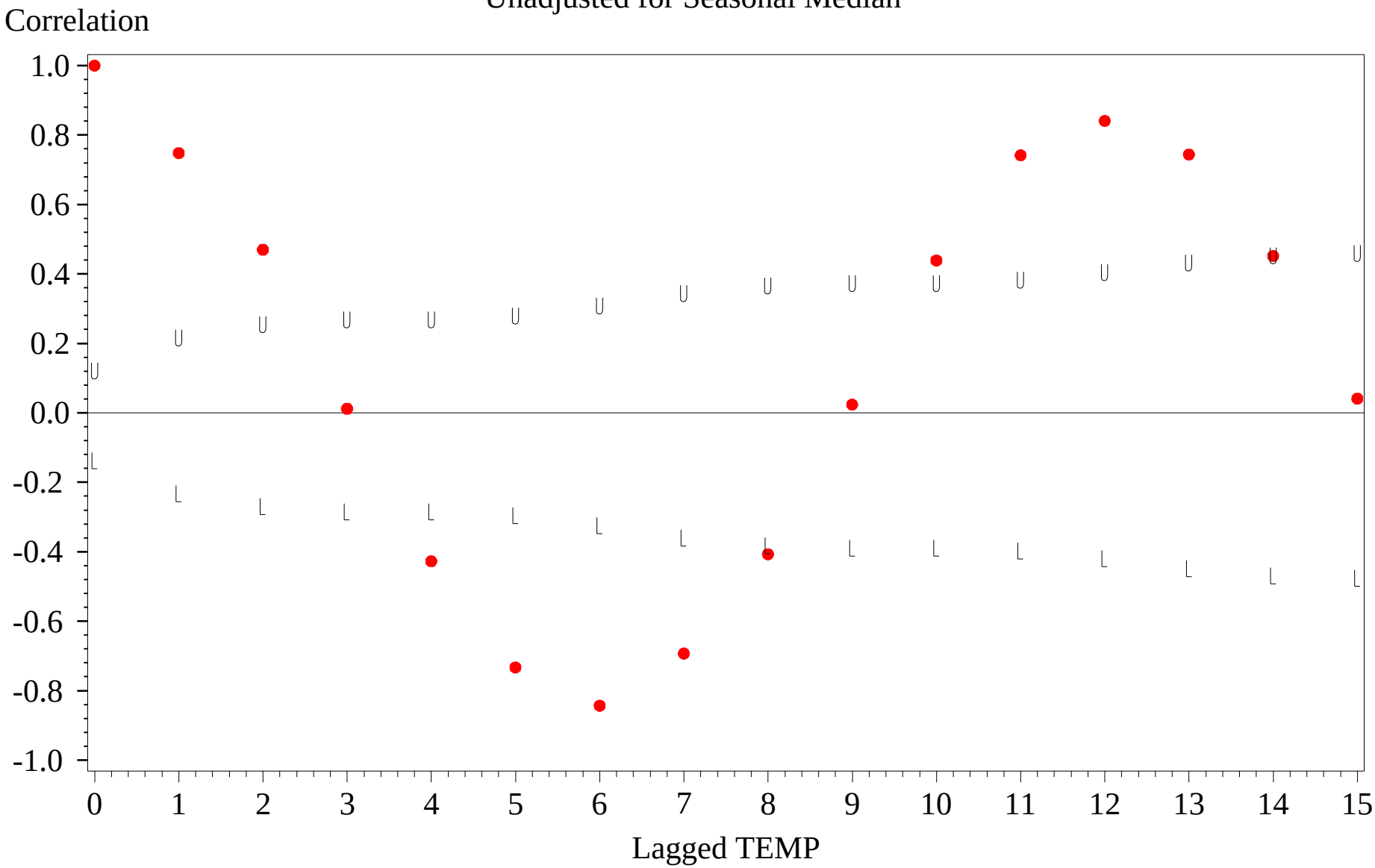
Autocorrelation Statistics for Surface Temperature at FDEP Station 56171SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.748	0.112	0.224	-0.224
2	0.470	0.131	0.262	-0.262
3	0.012	0.138	0.276	-0.276
4	-0.427	0.138	0.276	-0.276
5	-0.733	0.143	0.287	-0.287
6	-0.843	0.158	0.316	-0.316
7	-0.693	0.176	0.352	-0.352
8	-0.407	0.187	0.374	-0.374
9	0.024	0.191	0.381	-0.381
10	0.439	0.191	0.381	-0.381
11	0.742	0.195	0.390	-0.390
12	0.841	0.206	0.412	-0.412
13	0.744	0.220	0.440	-0.440
14	0.452	0.230	0.461	-0.461
15	0.041	0.234	0.468	-0.468

Lemon Bay Trends Appendix - Display 94
Correlogram for Surface Temperature at FDEP Station 56171SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 95

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56171SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.173	.003	0.016	0.083

Lemon Bay Trends Appendix - Display 96

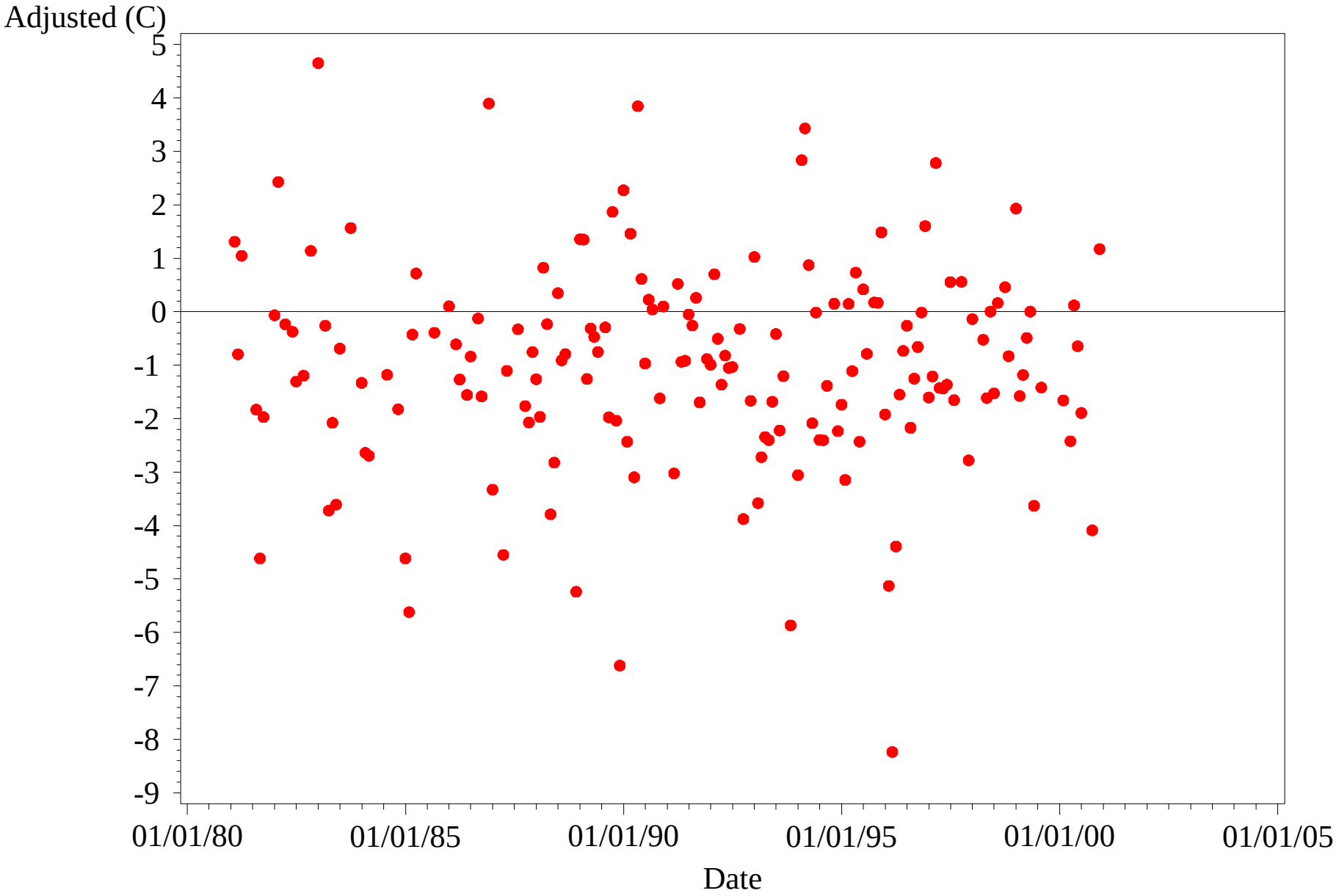
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56171SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.17259	.0028249	0.015629	0.082576

Lemon Bay Trends Appendix - Display 97

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended
at FDEP Station 56171SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 98

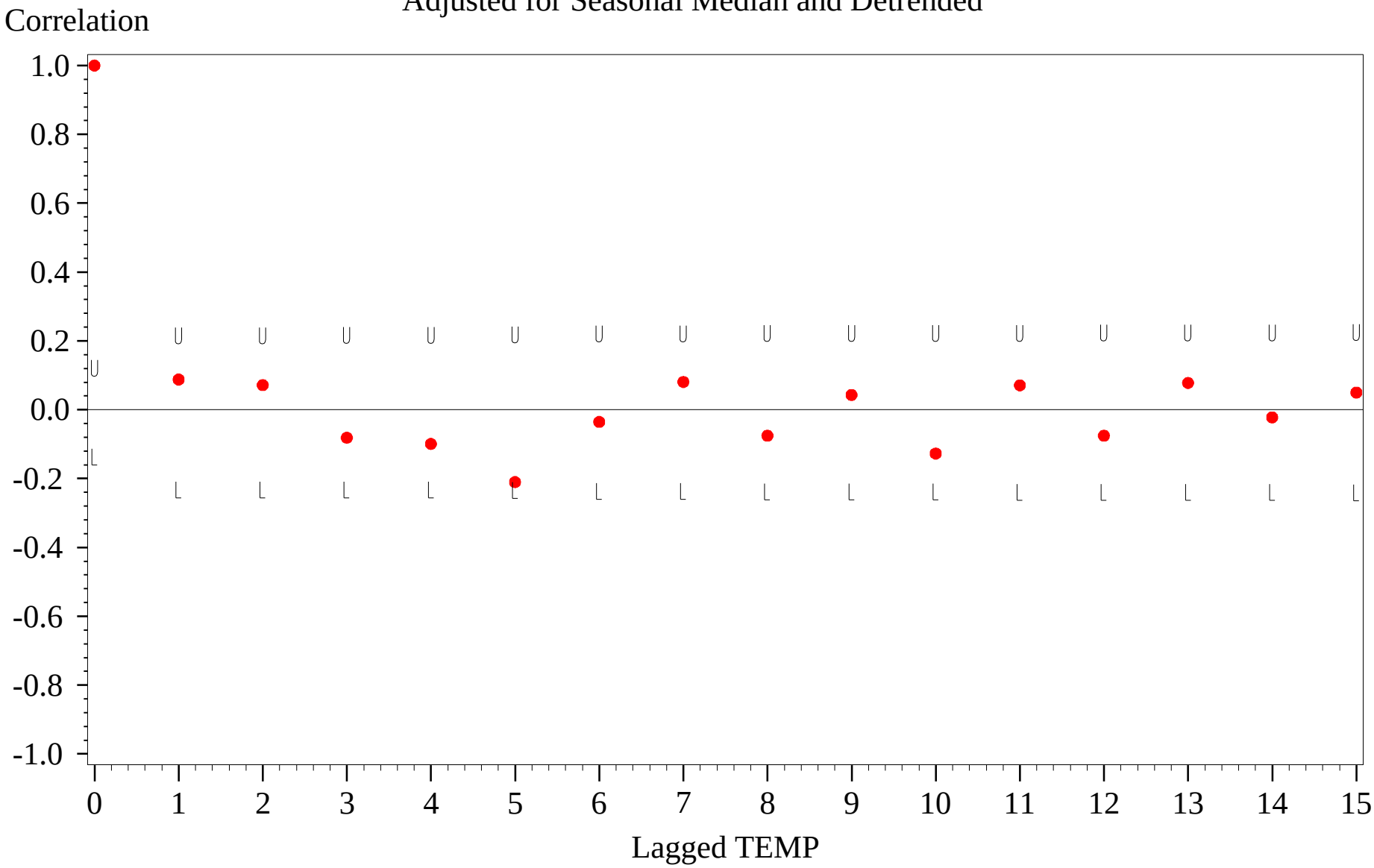
Autocorrelation Statistics for Surface Temperature at FDEP Station 56171SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.088	0.112	0.224	-0.224
2	0.072	0.112	0.224	-0.224
3	-0.081	0.112	0.225	-0.225
4	-0.099	0.113	0.225	-0.225
5	-0.210	0.113	0.226	-0.226
6	-0.035	0.114	0.229	-0.229
7	0.081	0.115	0.229	-0.229
8	-0.075	0.115	0.230	-0.230
9	0.043	0.115	0.230	-0.230
10	-0.127	0.115	0.230	-0.230
11	0.071	0.116	0.231	-0.231
12	-0.075	0.116	0.232	-0.232
13	0.078	0.116	0.232	-0.232
14	-0.022	0.116	0.232	-0.232
15	0.050	0.116	0.233	-0.233

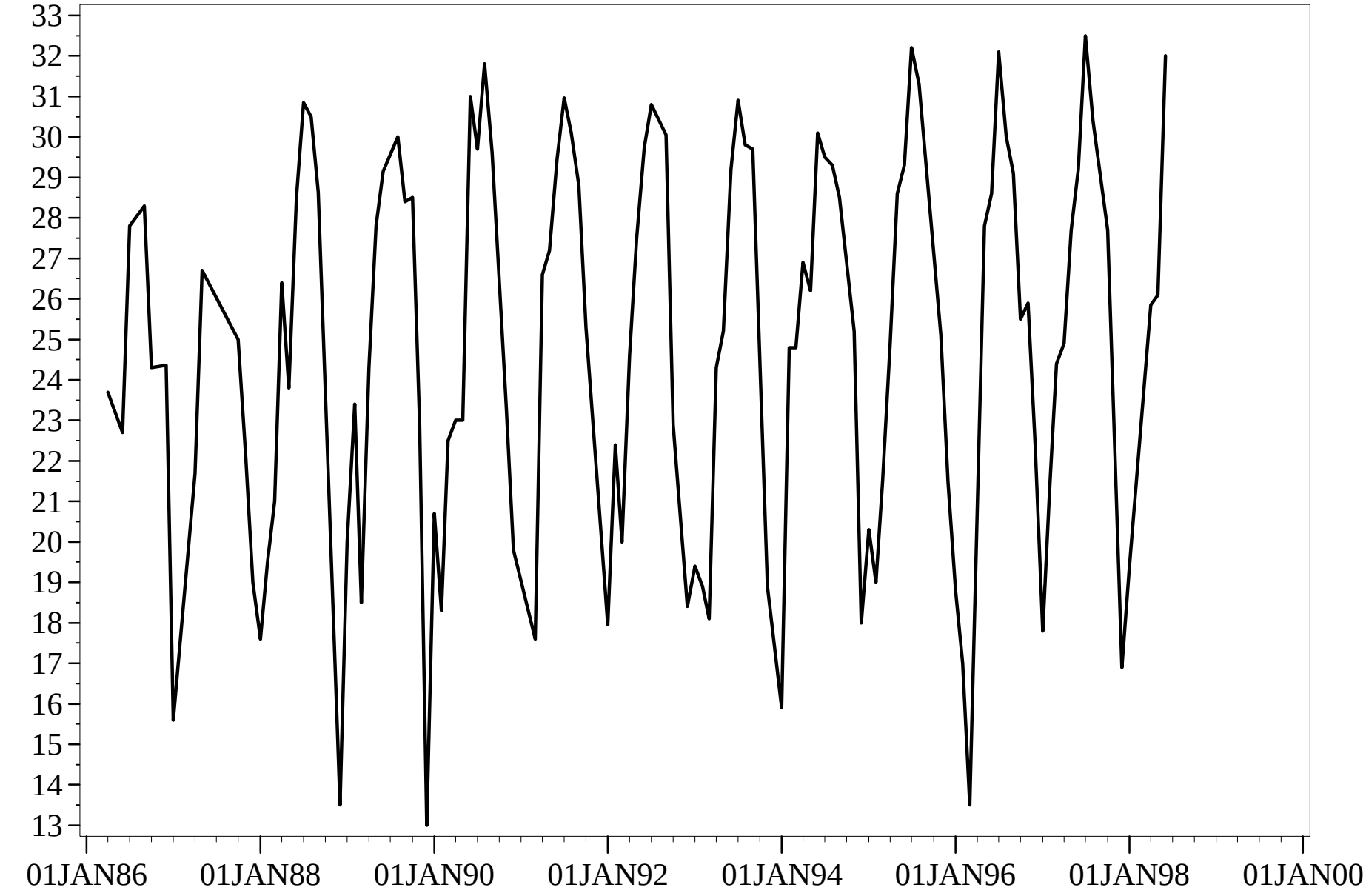
Lemon Bay Trends Appendix - Display 99
Correlogram for Surface Temperature at FDEP Station 56171SEAS

Adjusted for Seasonal Median and Detrended



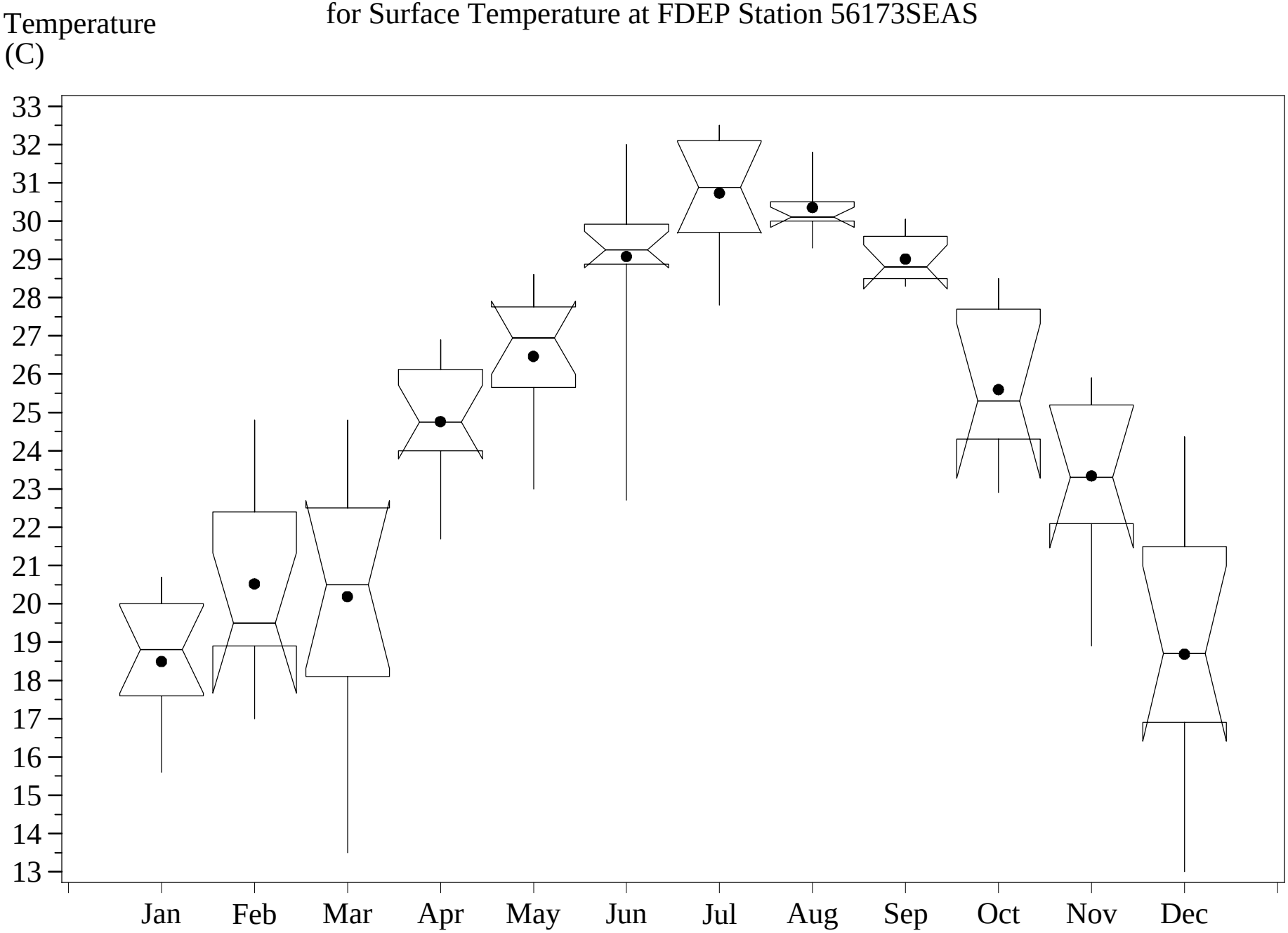
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 100
Monthly Data Time Series
for Surface Temperature at FDEP Station 56173SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 101

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56173SEAS



Lemon Bay Trends Appendix - Display 102

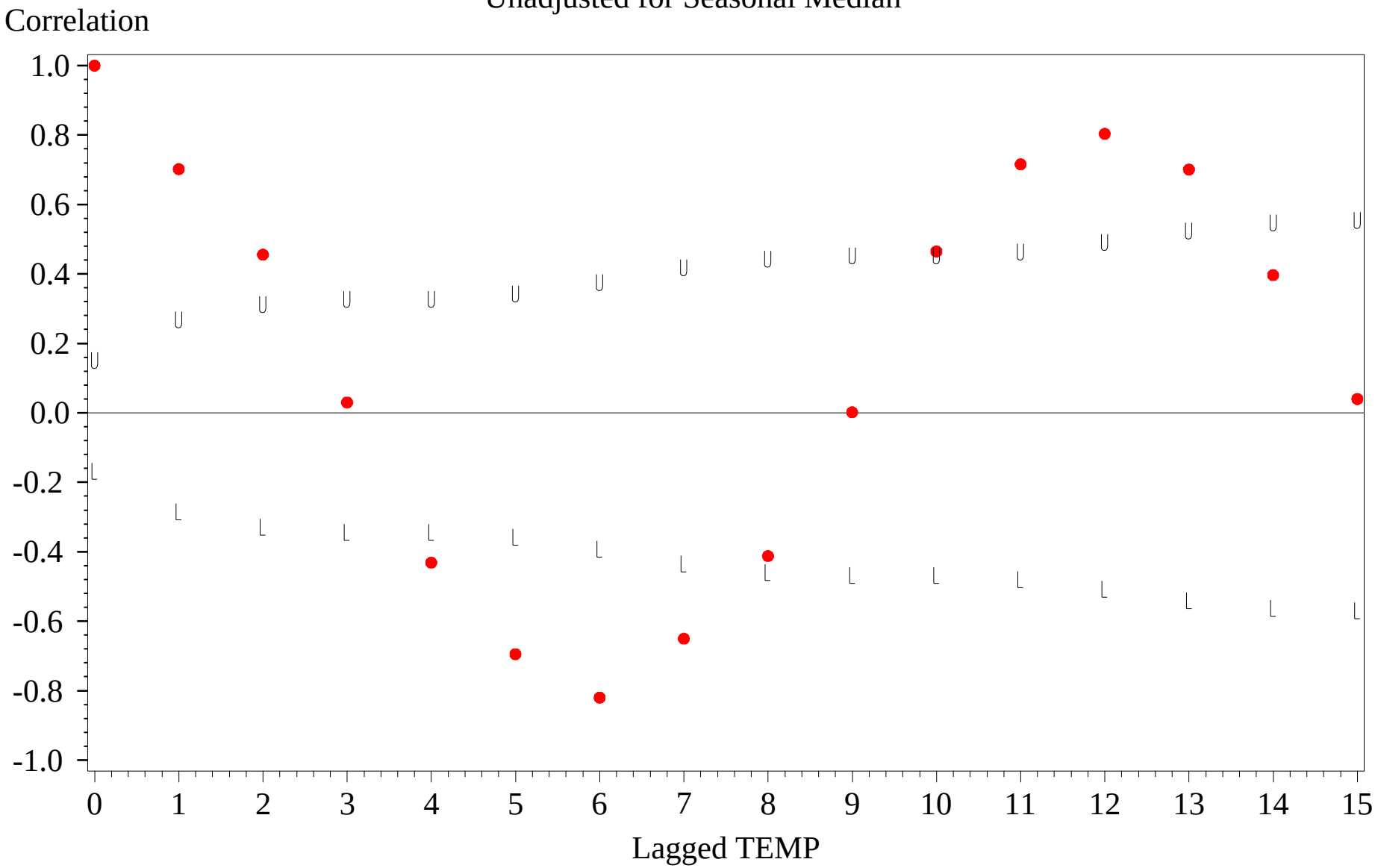
Autocorrelation Statistics for Surface Temperature at FDEP Station 56173SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.702	0.139	0.277	-0.277
2	0.456	0.160	0.320	-0.320
3	0.030	0.168	0.336	-0.336
4	-0.431	0.168	0.336	-0.336
5	-0.695	0.175	0.350	-0.350
6	-0.820	0.192	0.384	-0.384
7	-0.650	0.213	0.426	-0.426
8	-0.412	0.225	0.451	-0.451
9	0.002	0.230	0.460	-0.460
10	0.465	0.230	0.460	-0.460
11	0.716	0.236	0.472	-0.472
12	0.804	0.250	0.499	-0.499
13	0.701	0.266	0.532	-0.532
14	0.397	0.277	0.555	-0.555
15	0.040	0.281	0.562	-0.562

Lemon Bay Trends Appendix - Display 103
Correlogram for Surface Temperature at FDEP Station 56173SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 104

Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56173SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.223	.002	.008	0.145

Lemon Bay Trends Appendix - Display 105

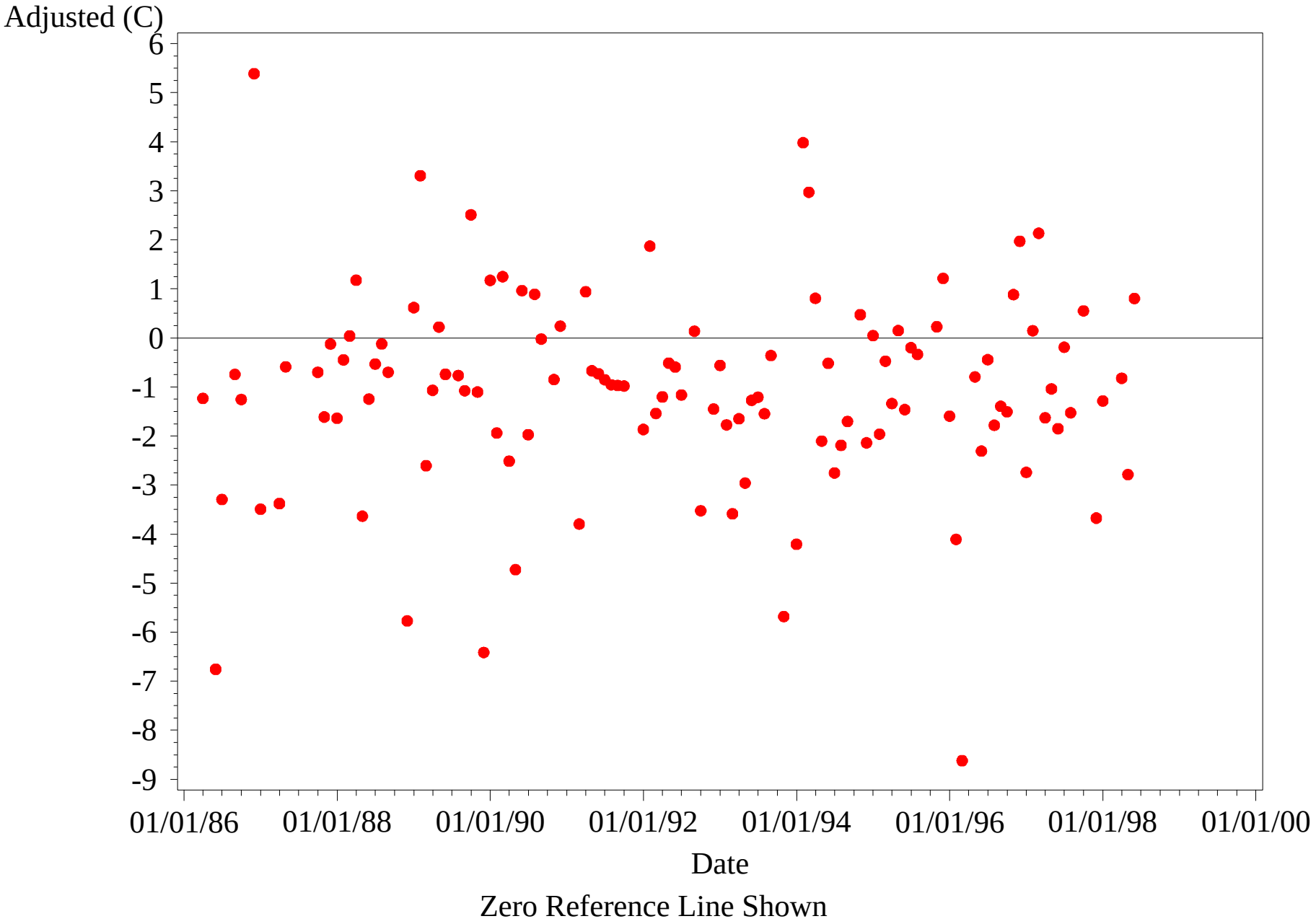
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56173SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.22305	.00239968	.00804079	0.145

Lemon Bay Trends Appendix - Display 106

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56173SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 107

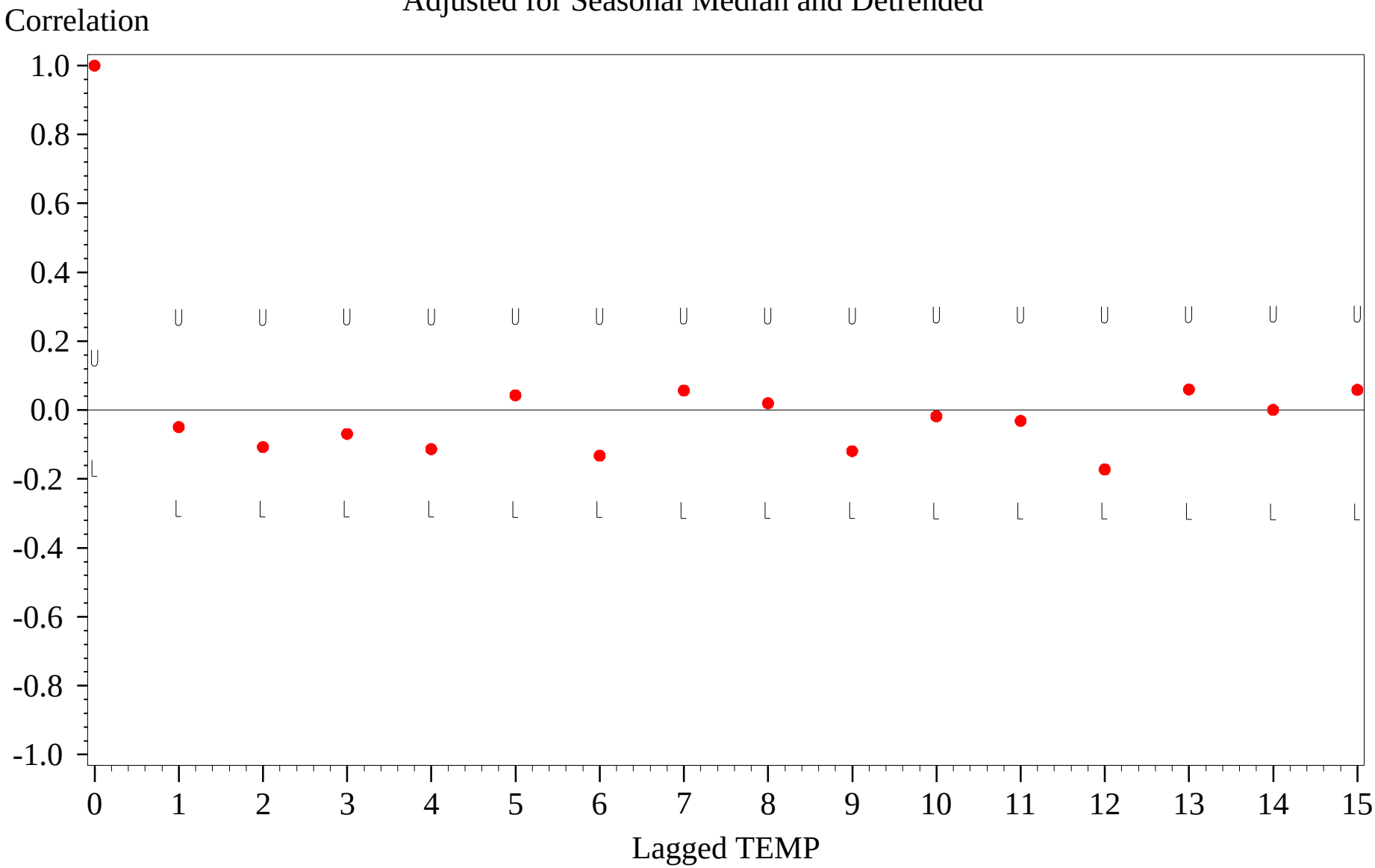
Autocorrelation Statistics for Surface Temperature at FDEP Station 56173SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	-0.049	0.139	0.277	-0.277
2	-0.107	0.139	0.278	-0.278
3	-0.069	0.139	0.279	-0.279
4	-0.113	0.140	0.279	-0.279
5	0.043	0.140	0.280	-0.280
6	-0.132	0.140	0.280	-0.280
7	0.057	0.141	0.282	-0.282
8	0.020	0.141	0.282	-0.282
9	-0.119	0.141	0.282	-0.282
10	-0.018	0.142	0.284	-0.284
11	-0.031	0.142	0.284	-0.284
12	-0.172	0.142	0.284	-0.284
13	0.060	0.143	0.286	-0.286
14	0.001	0.143	0.287	-0.287
15	0.059	0.143	0.287	-0.287

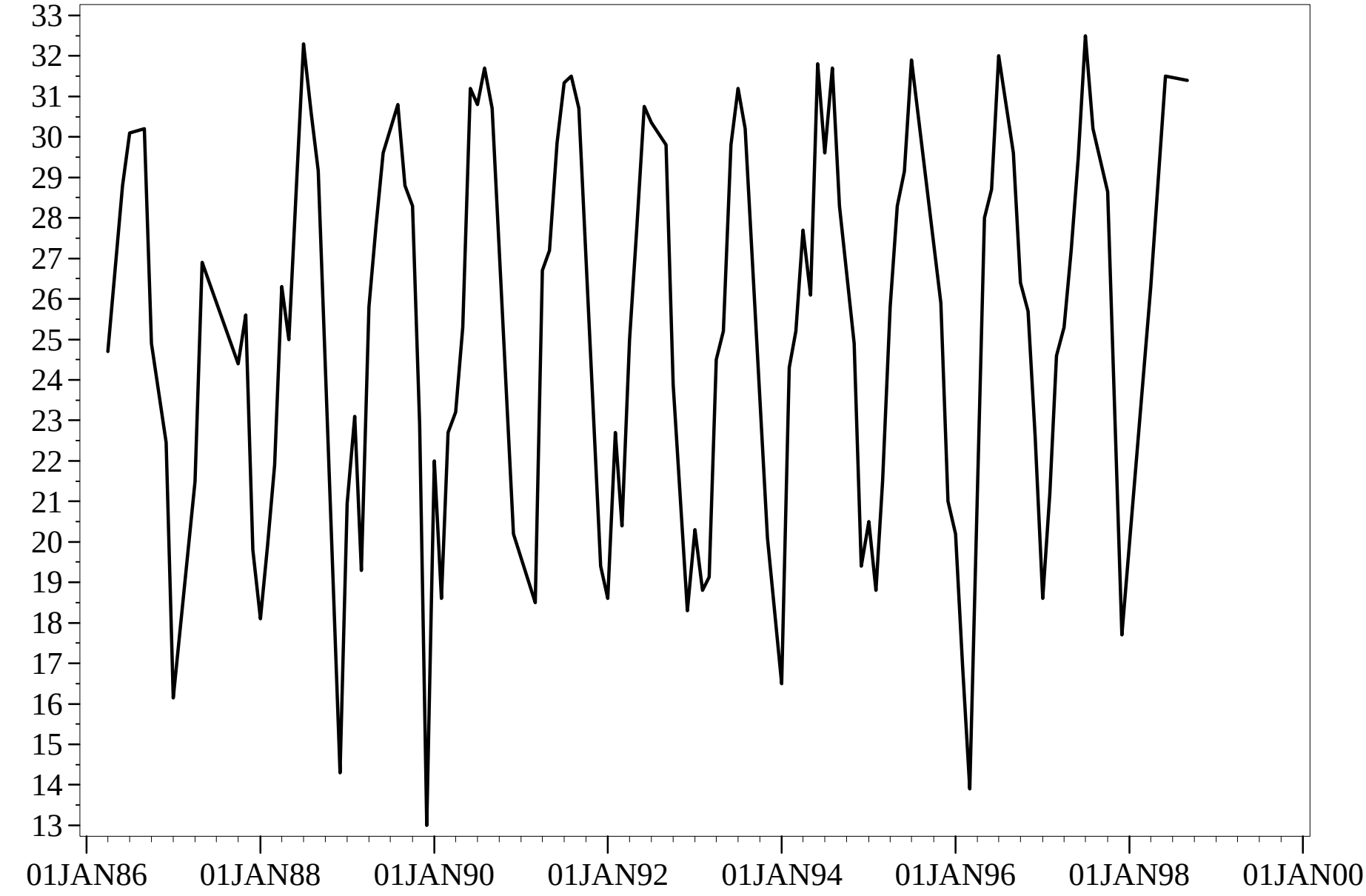
Lemon Bay Trends Appendix - Display 108
Correlogram for Surface Temperature at FDEP Station 56173SEAS

Adjusted for Seasonal Median and Detrended



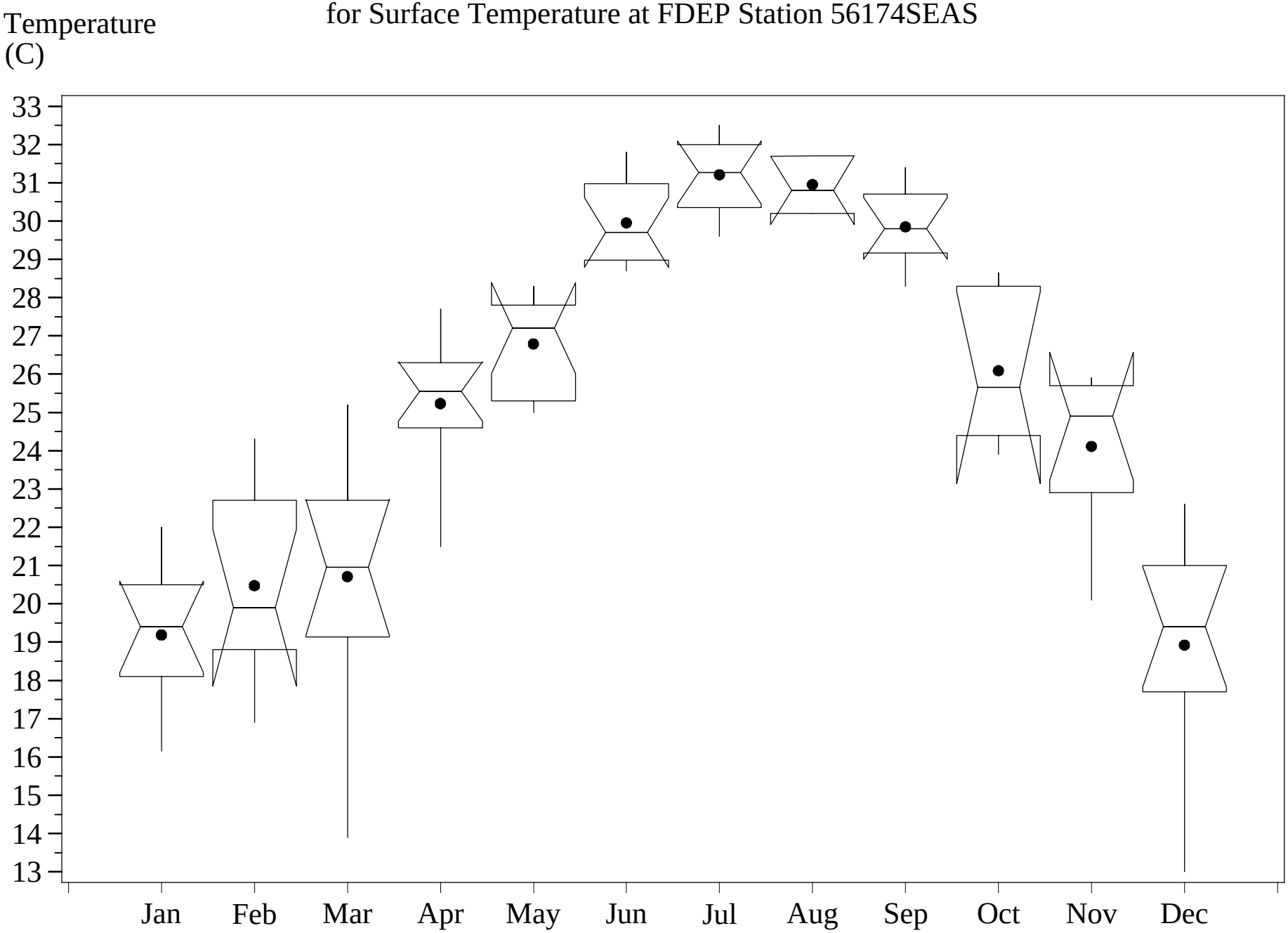
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 109
Monthly Data Time Series
for Surface Temperature at FDEP Station 56174SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 110

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56174SEAS



Lemon Bay Trends Appendix - Display 111

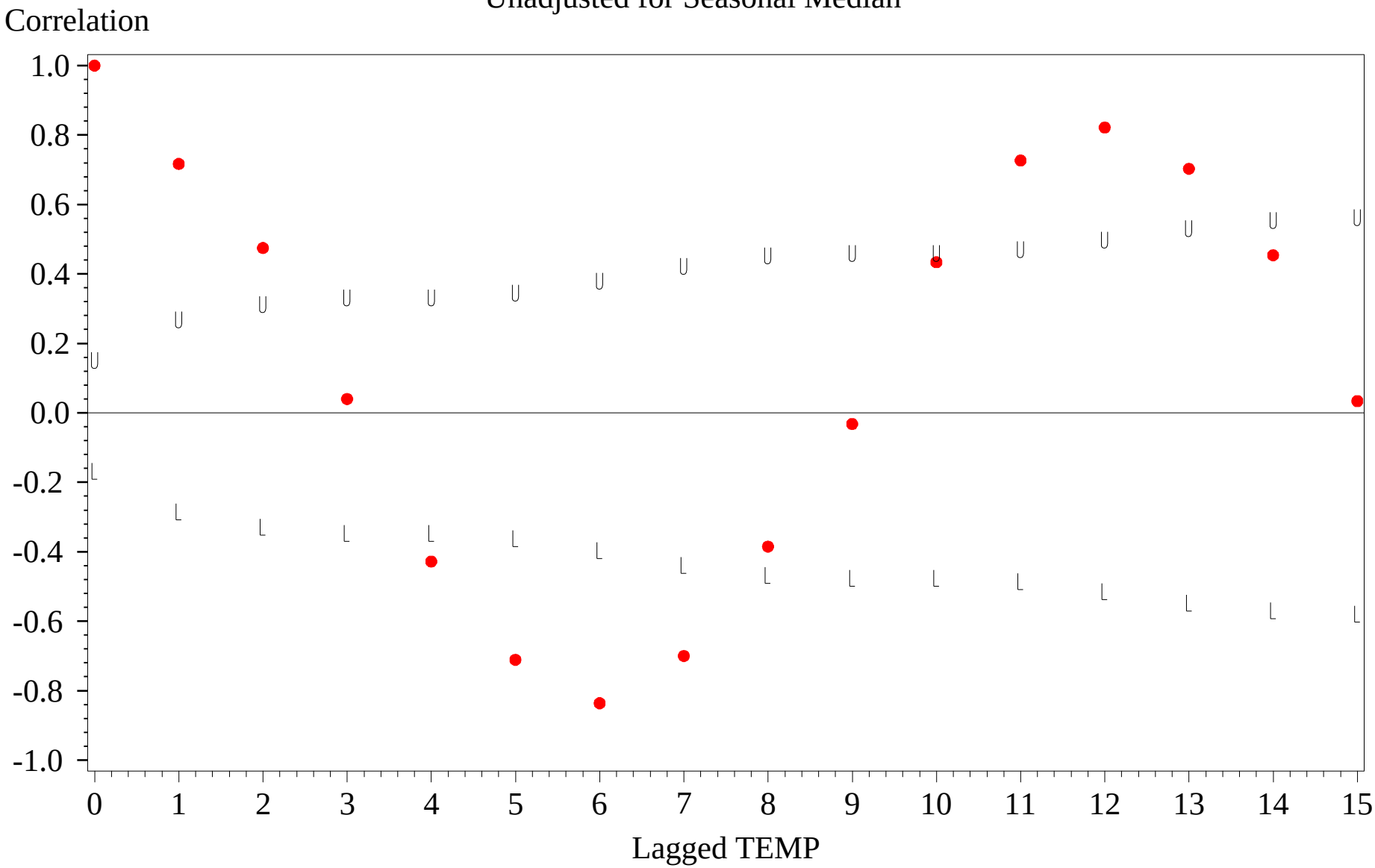
Autocorrelation Statistics for Surface Temperature at FDEP Station 56174SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.717	0.139	0.277	-0.277
2	0.475	0.161	0.321	-0.321
3	0.040	0.169	0.339	-0.339
4	-0.428	0.169	0.339	-0.339
5	-0.711	0.176	0.353	-0.353
6	-0.836	0.194	0.388	-0.388
7	-0.700	0.216	0.431	-0.431
8	-0.385	0.230	0.460	-0.460
9	-0.032	0.234	0.468	-0.468
10	0.434	0.234	0.468	-0.468
11	0.727	0.239	0.478	-0.478
12	0.822	0.253	0.506	-0.506
13	0.703	0.269	0.539	-0.539
14	0.454	0.281	0.562	-0.562
15	0.034	0.286	0.571	-0.571

Lemon Bay Trends Appendix - Display 112
Correlogram for Surface Temperature at FDEP Station 56174SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 113

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56174SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.15	0.047	0.045	0.1

Lemon Bay Trends Appendix - Display 114

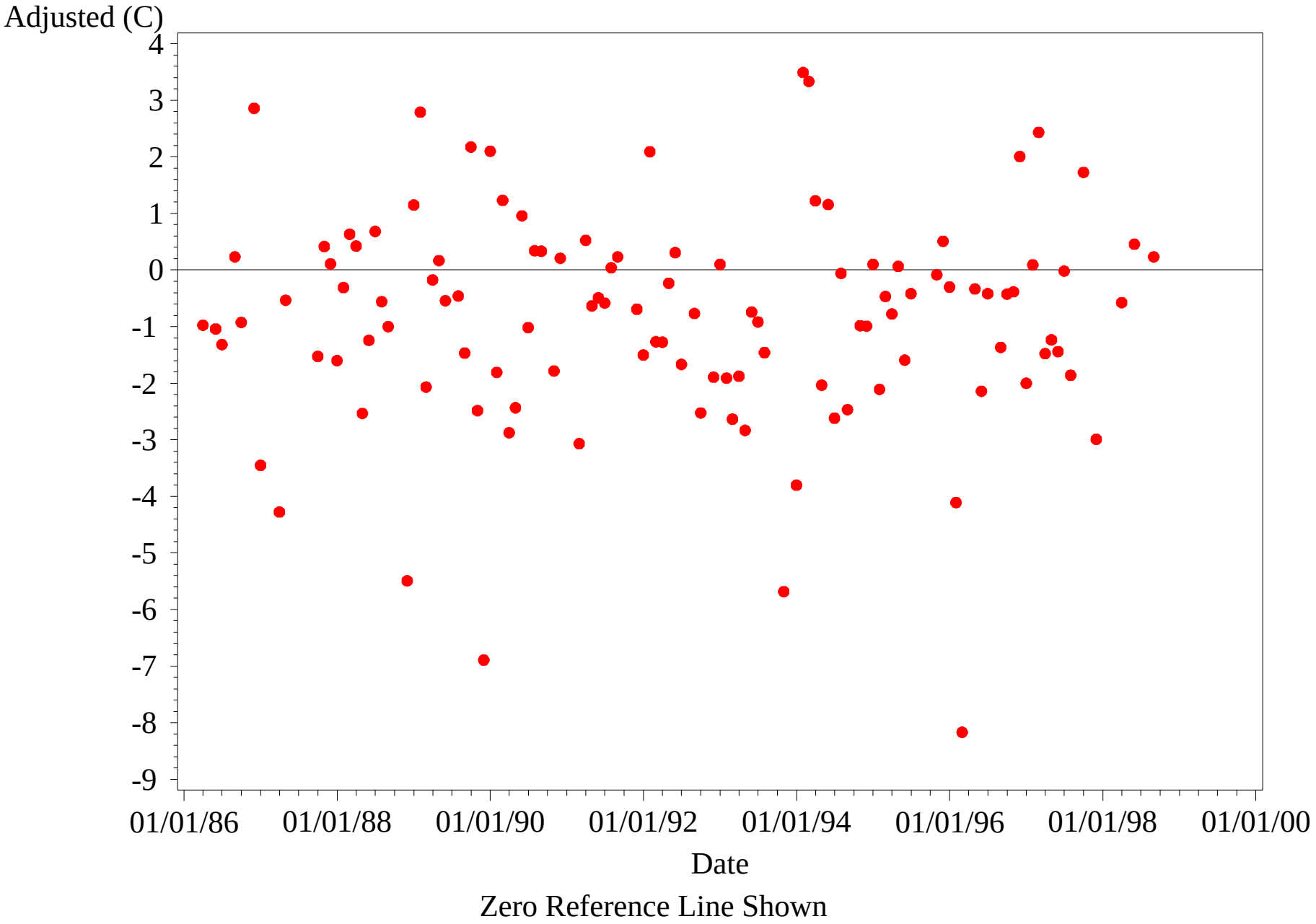
Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56174SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.15020	0.046662	0.045430	0.1

Lemon Bay Trends Appendix - Display 115

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56174SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 116

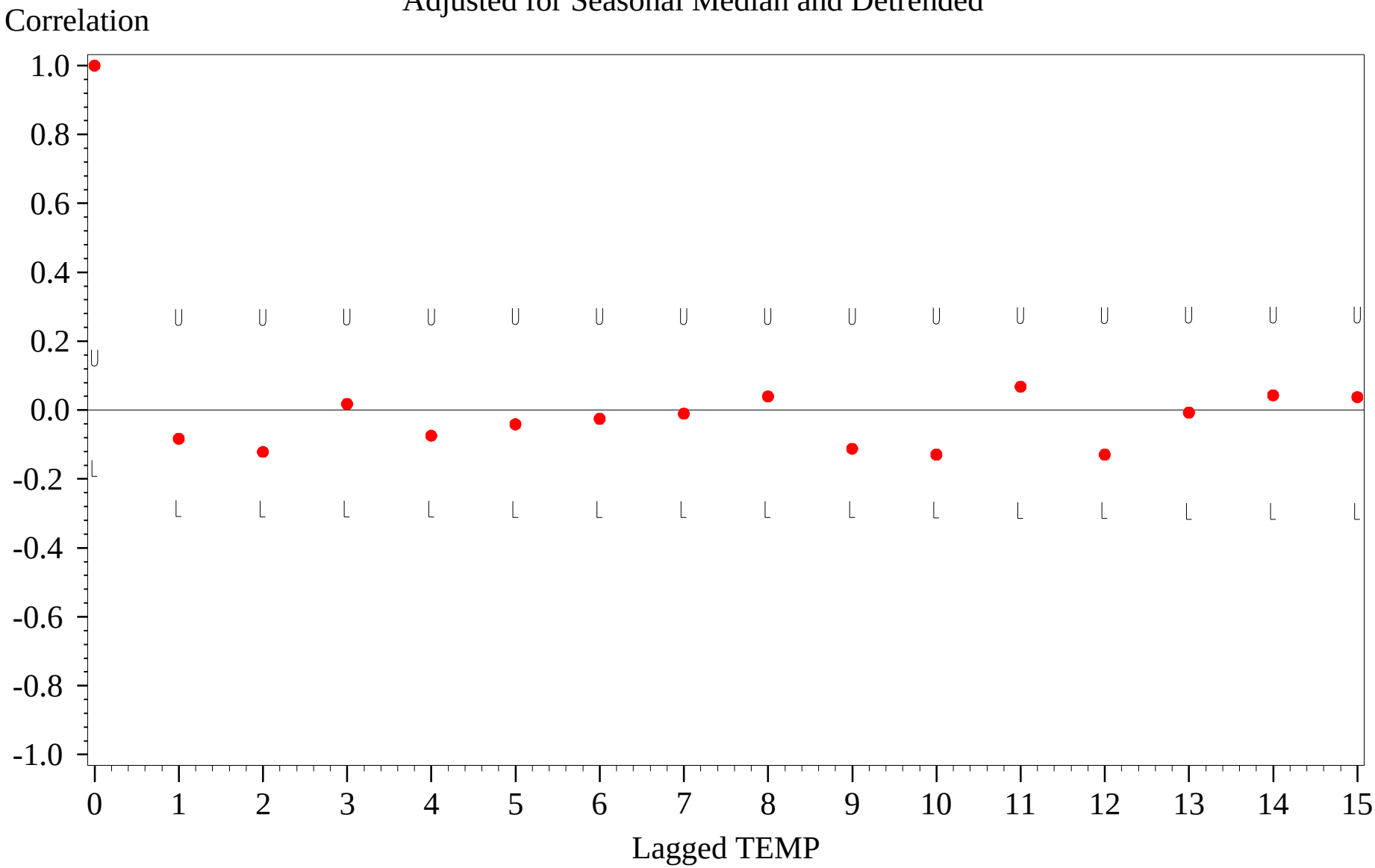
Autocorrelation Statistics for Surface Temperature at FDEP Station 56174SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	-0.083	0.139	0.277	-0.277
2	-0.121	0.139	0.278	-0.278
3	0.018	0.140	0.279	-0.279
4	-0.074	0.140	0.279	-0.279
5	-0.041	0.140	0.280	-0.280
6	-0.025	0.140	0.280	-0.280
7	-0.010	0.140	0.280	-0.280
8	0.040	0.140	0.280	-0.280
9	-0.112	0.140	0.280	-0.280
10	-0.129	0.141	0.281	-0.281
11	0.068	0.141	0.283	-0.283
12	-0.129	0.142	0.283	-0.283
13	-0.007	0.142	0.285	-0.285
14	0.043	0.142	0.285	-0.285
15	0.038	0.143	0.285	-0.285

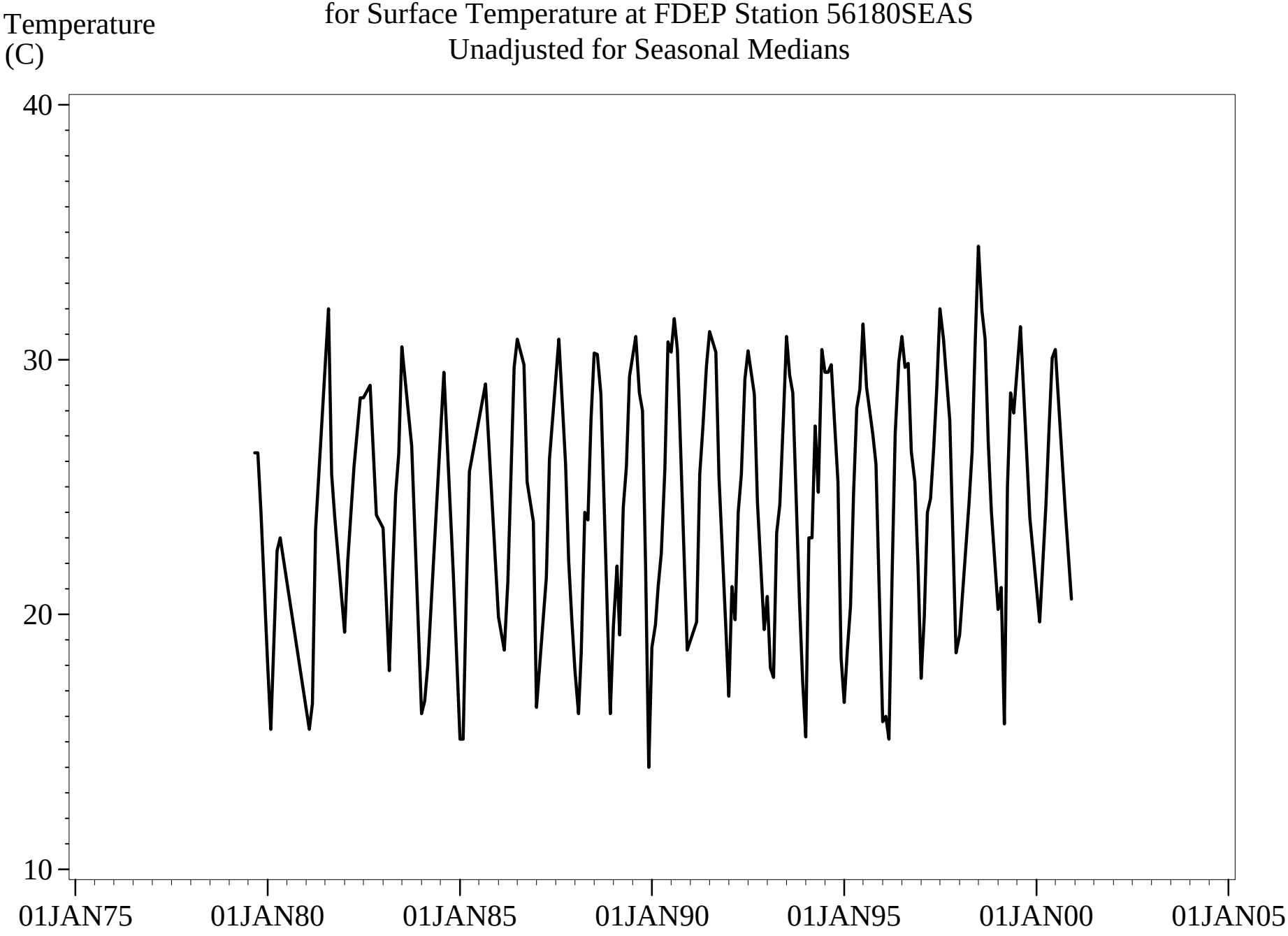
Lemon Bay Trends Appendix - Display 117
Correlogram for Surface Temperature at FDEP Station 56174SEAS

Adjusted for Seasonal Median and Detrended



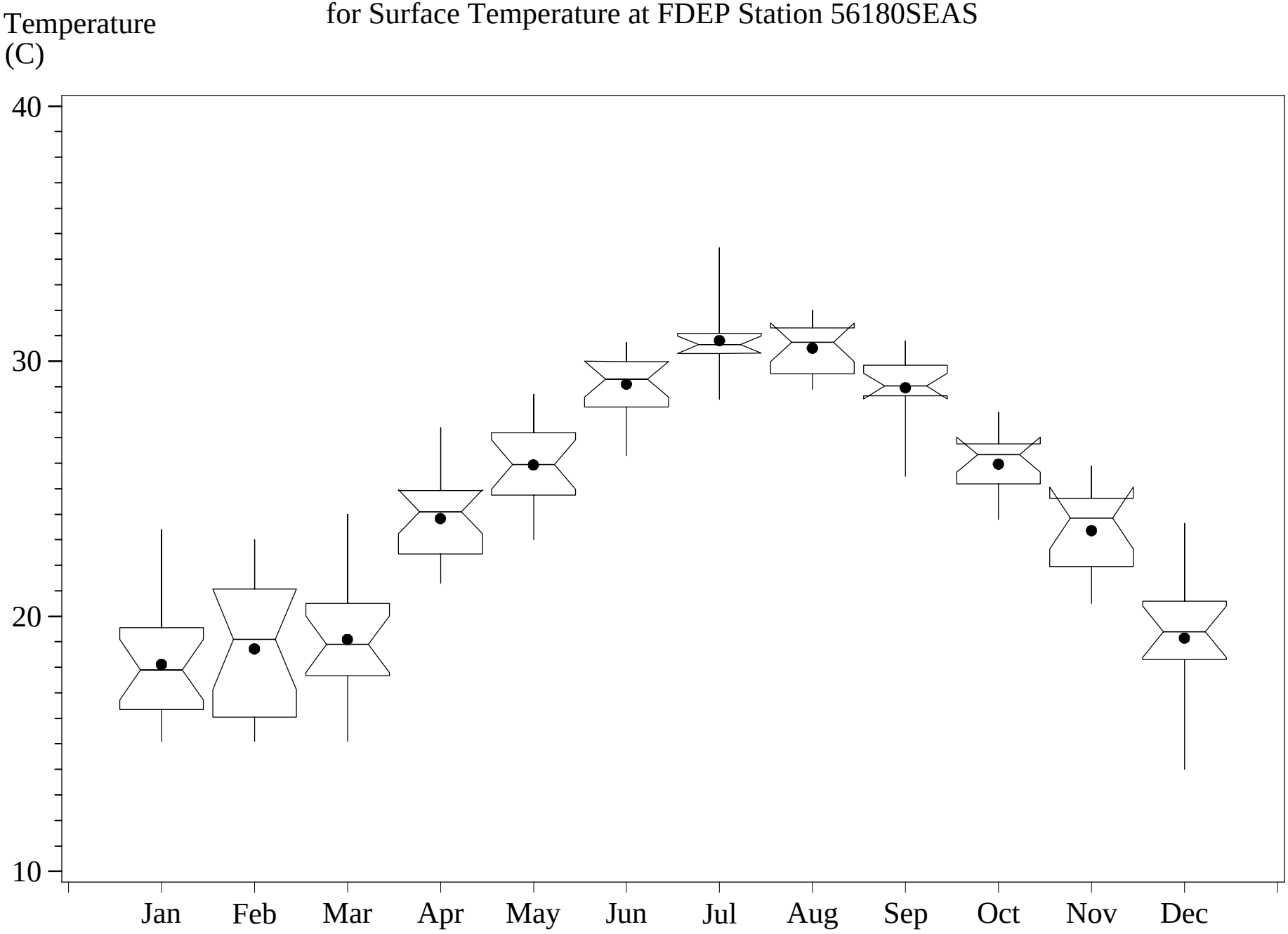
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 118
Monthly Data Time Series
for Surface Temperature at FDEP Station 56180SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 119

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56180SEAS



Lemon Bay Trends Appendix - Display 120

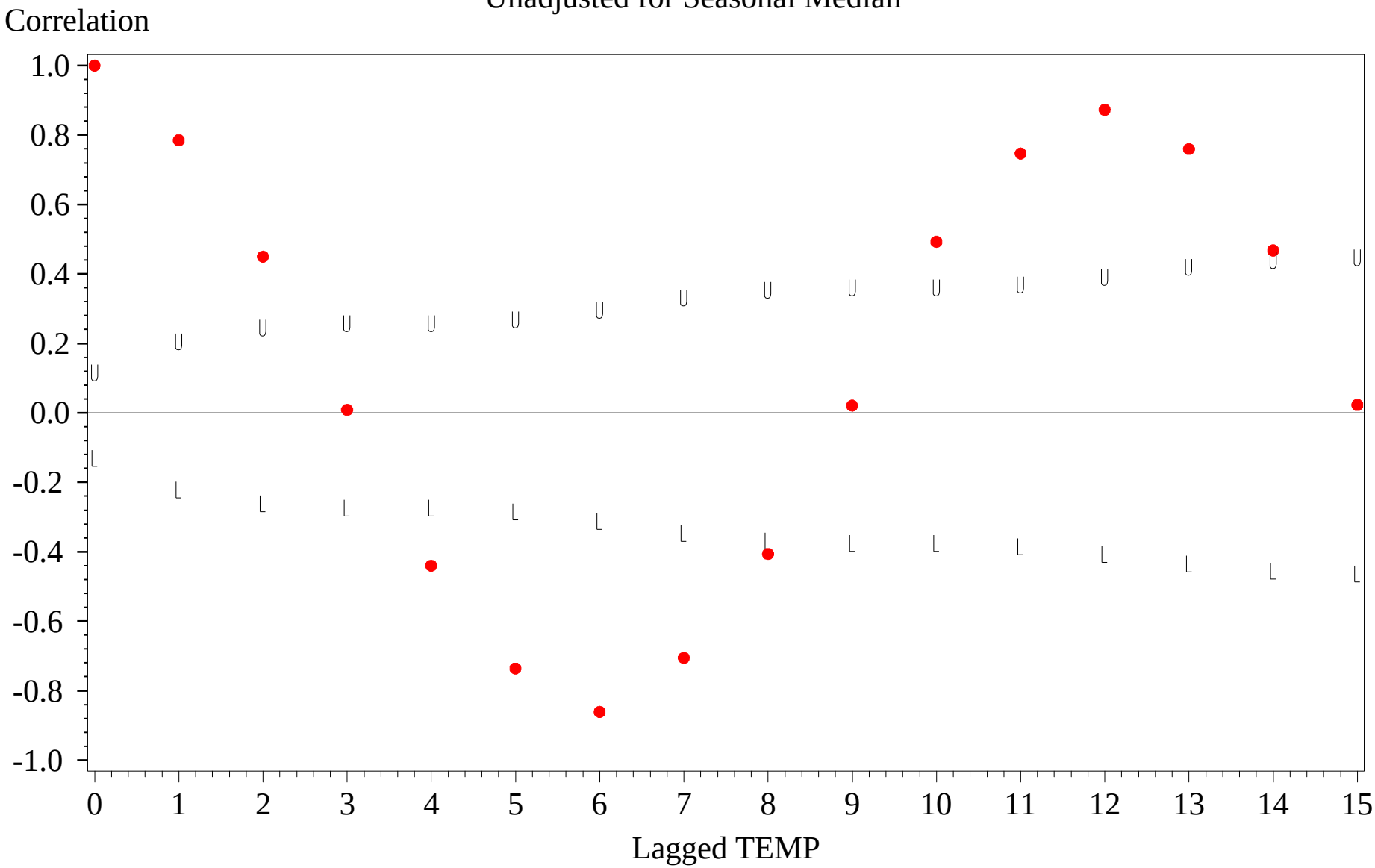
Autocorrelation Statistics for Surface Temperature at FDEP Station 56180SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.785	0.107	0.213	-0.213
2	0.450	0.127	0.253	-0.253
3	0.009	0.133	0.265	-0.265
4	-0.440	0.133	0.265	-0.265
5	-0.736	0.138	0.276	-0.276
6	-0.861	0.152	0.304	-0.304
7	-0.705	0.170	0.339	-0.339
8	-0.406	0.180	0.361	-0.361
9	0.021	0.184	0.368	-0.368
10	0.493	0.184	0.368	-0.368
11	0.747	0.189	0.377	-0.377
12	0.873	0.200	0.399	-0.399
13	0.760	0.214	0.427	-0.427
14	0.468	0.224	0.447	-0.447
15	0.023	0.227	0.455	-0.455

Lemon Bay Trends Appendix - Display 121
Correlogram for Surface Temperature at FDEP Station 56180SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 122

Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56180SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.22	0	.004	0.1

Lemon Bay Trends Appendix - Display 123

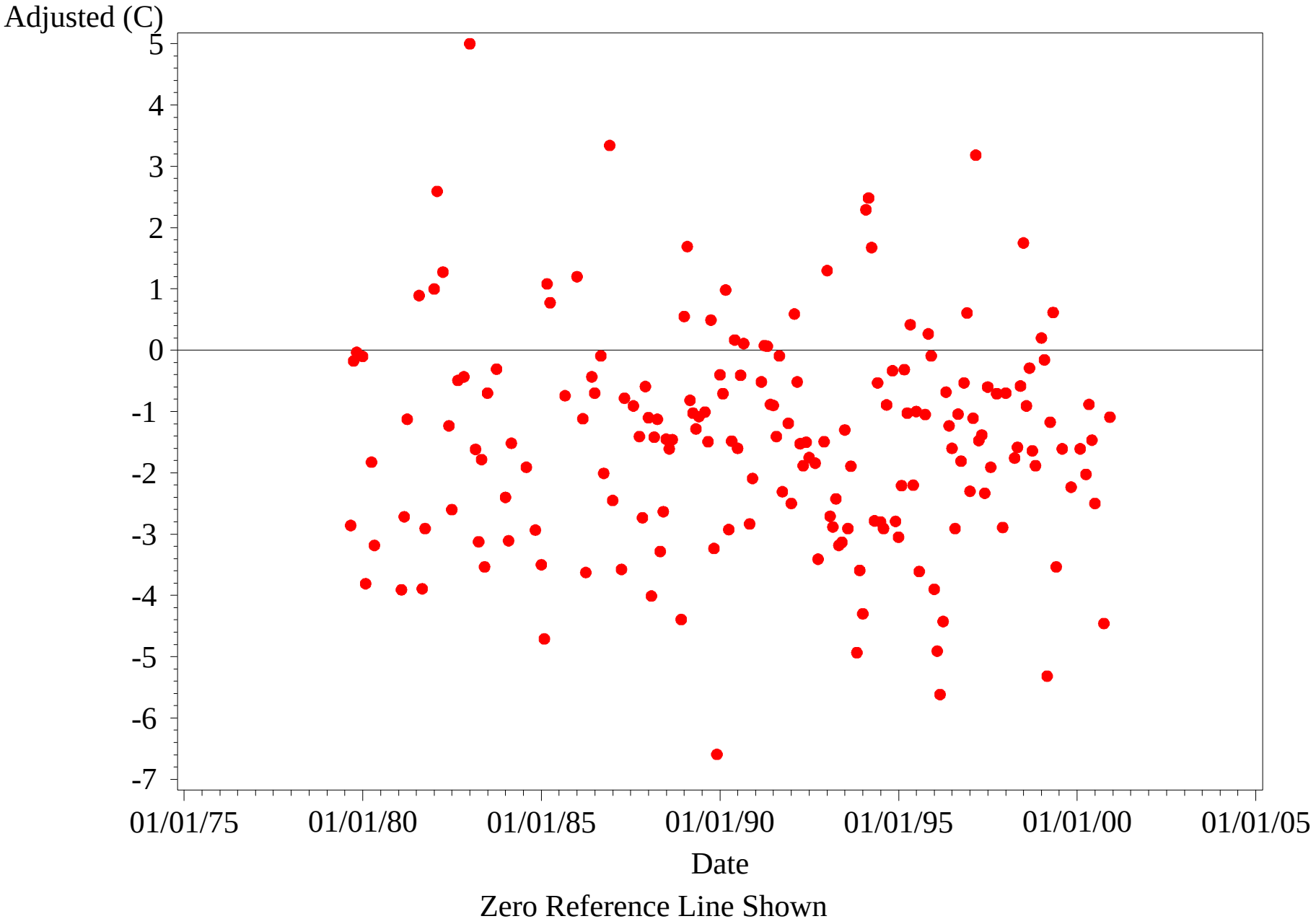
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56180SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.22003	.000079393	.00411582	0.1

Lemon Bay Trends Appendix - Display 124

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56180SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 125

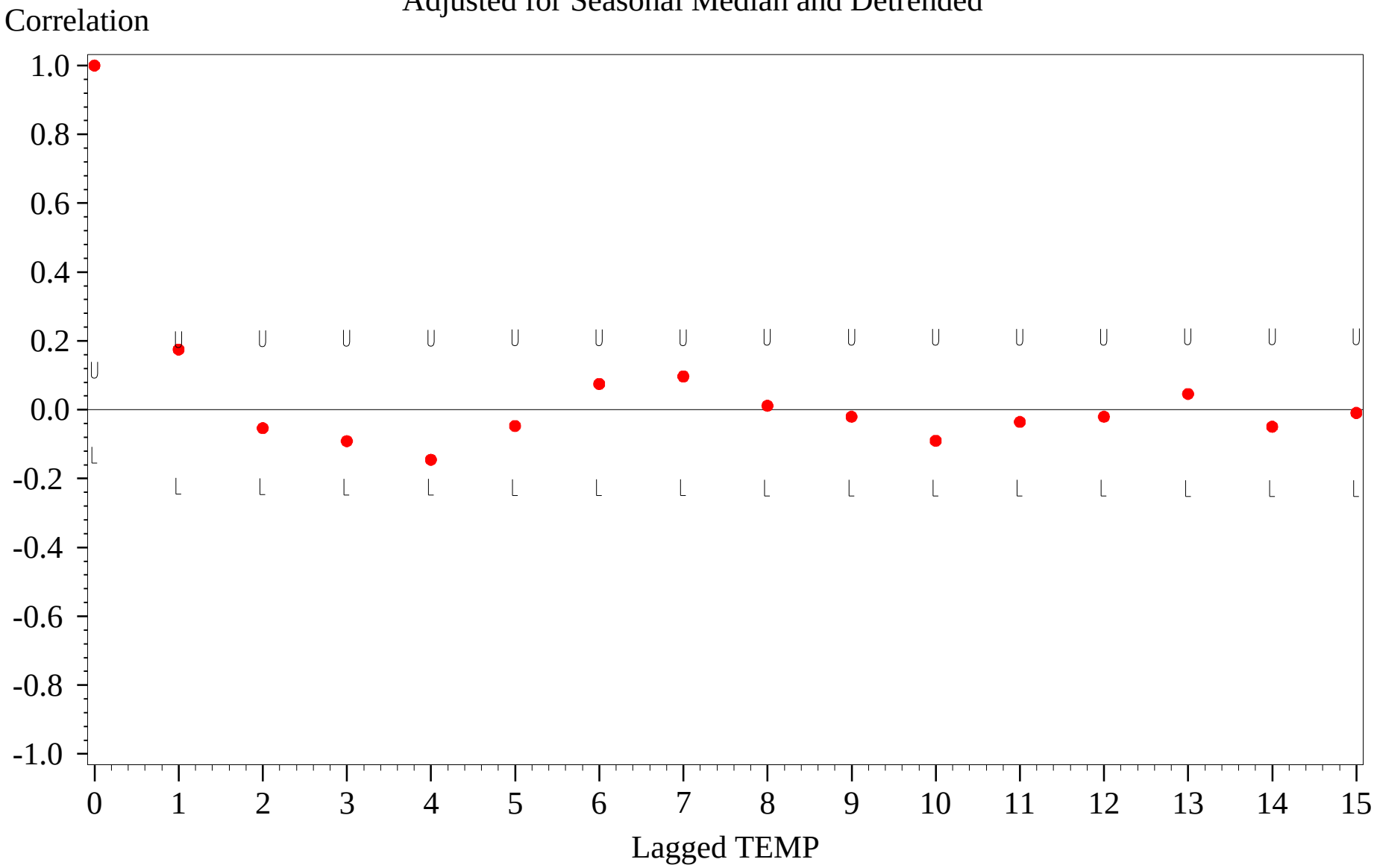
Autocorrelation Statistics for Surface Temperature at FDEP Station 56180SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.175	0.107	0.213	-0.213
2	-0.053	0.108	0.215	-0.215
3	-0.091	0.108	0.216	-0.216
4	-0.145	0.108	0.216	-0.216
5	-0.047	0.109	0.218	-0.218
6	0.075	0.109	0.218	-0.218
7	0.097	0.109	0.218	-0.218
8	0.012	0.109	0.219	-0.219
9	-0.020	0.109	0.219	-0.219
10	-0.090	0.109	0.219	-0.219
11	-0.035	0.110	0.219	-0.219
12	-0.020	0.110	0.219	-0.219
13	0.046	0.110	0.220	-0.220
14	-0.049	0.110	0.220	-0.220
15	-0.009	0.110	0.220	-0.220

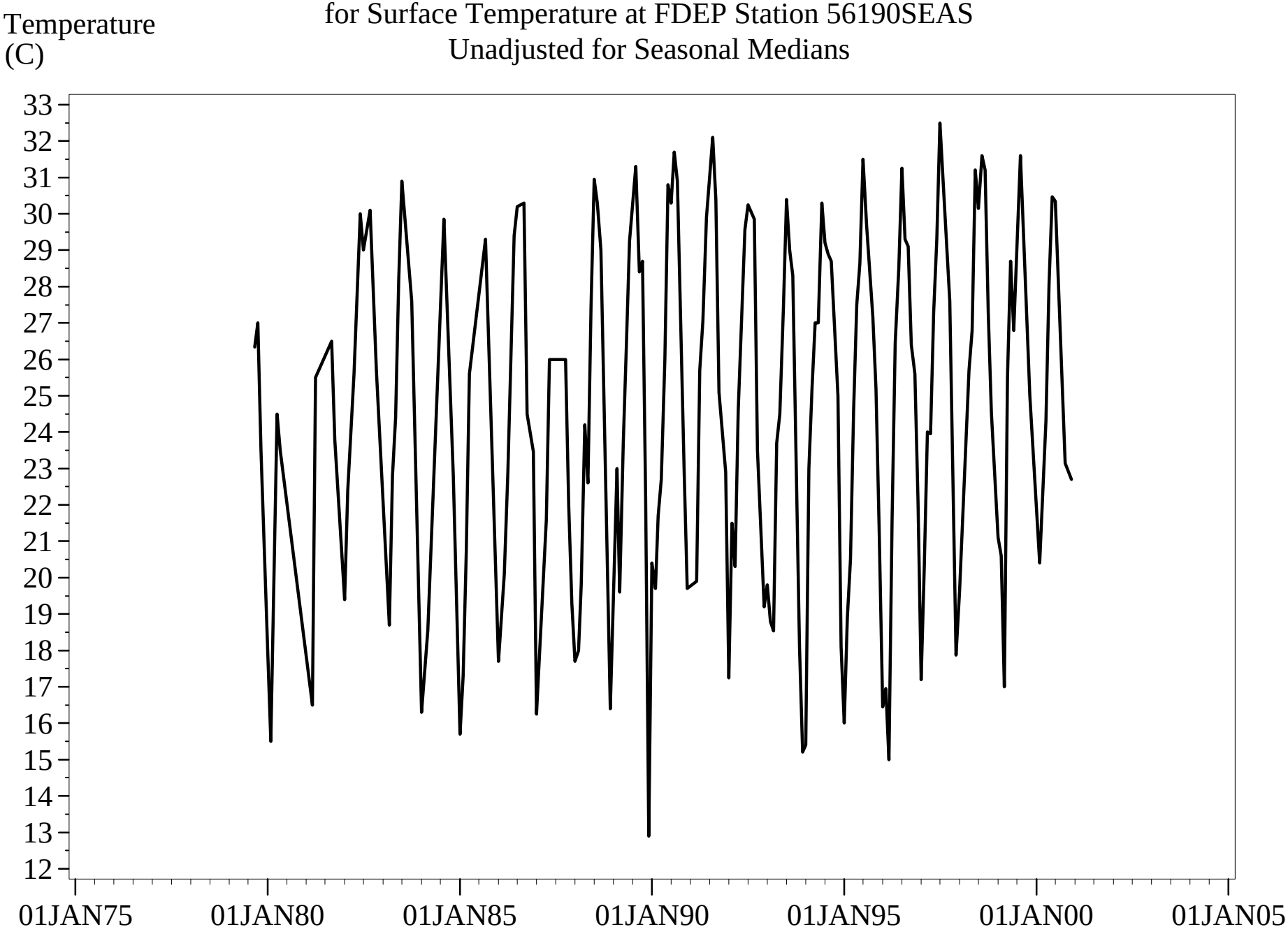
Lemon Bay Trends Appendix - Display 126
Correlogram for Surface Temperature at FDEP Station 56180SEAS

Adjusted for Seasonal Median and Detrended



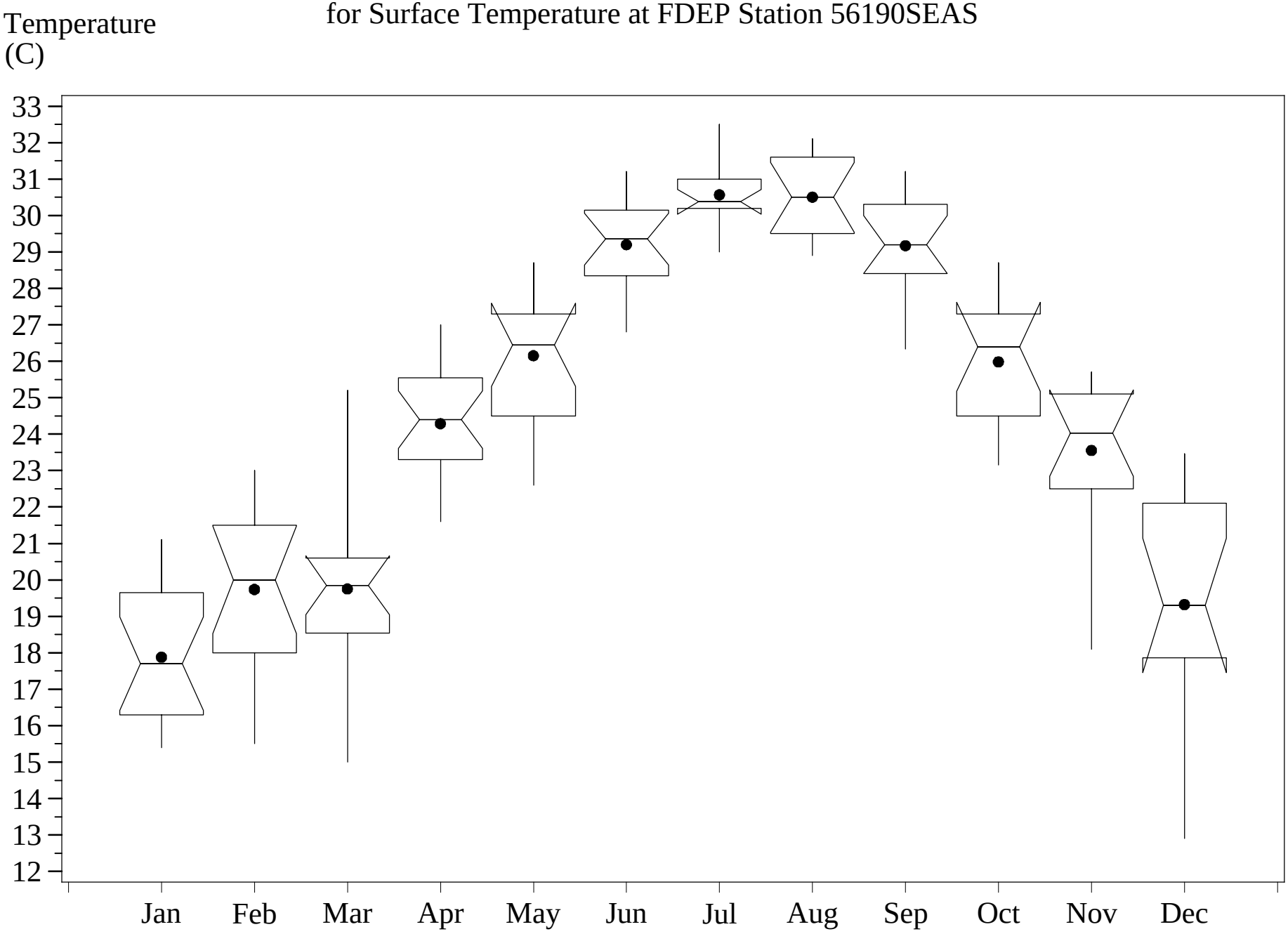
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 127
Monthly Data Time Series
for Surface Temperature at FDEP Station 56190SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 128

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56190SEAS



Lemon Bay Trends Appendix - Display 129

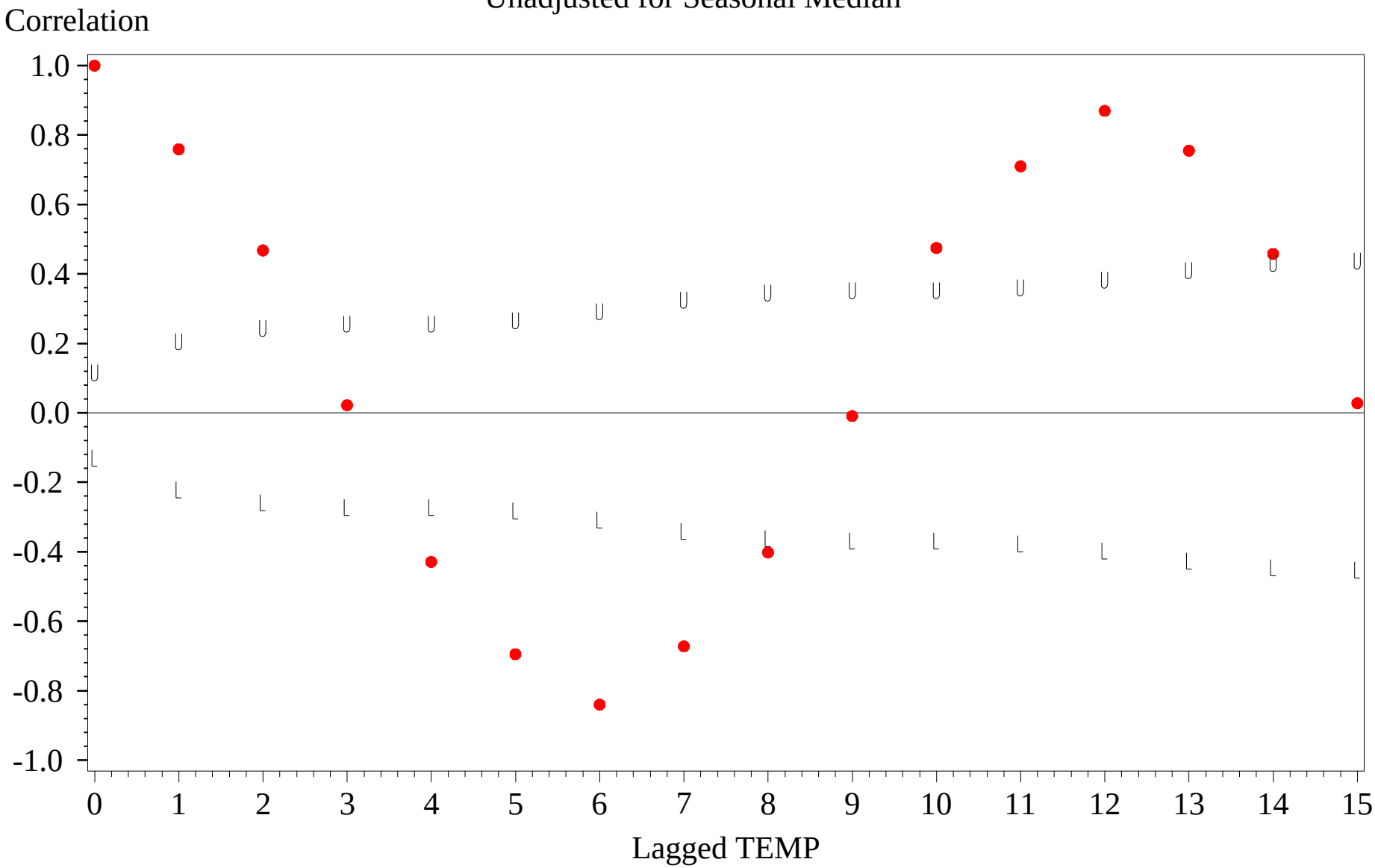
Autocorrelation Statistics for Surface Temperature at FDEP Station 56190SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.759	0.107	0.213	-0.213
2	0.468	0.125	0.251	-0.251
3	0.022	0.132	0.264	-0.264
4	-0.429	0.132	0.264	-0.264
5	-0.695	0.137	0.274	-0.274
6	-0.840	0.150	0.300	-0.300
7	-0.672	0.167	0.333	-0.333
8	-0.402	0.177	0.353	-0.353
9	-0.009	0.180	0.360	-0.360
10	0.475	0.180	0.360	-0.360
11	0.710	0.185	0.369	-0.369
12	0.870	0.195	0.390	-0.390
13	0.755	0.209	0.418	-0.418
14	0.458	0.219	0.438	-0.438
15	0.028	0.223	0.445	-0.445

Lemon Bay Trends Appendix - Display 130
Correlogram for Surface Temperature at FDEP Station 56190SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 131

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56190SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.166	.004	0.031	0.083

Lemon Bay Trends Appendix - Display 132

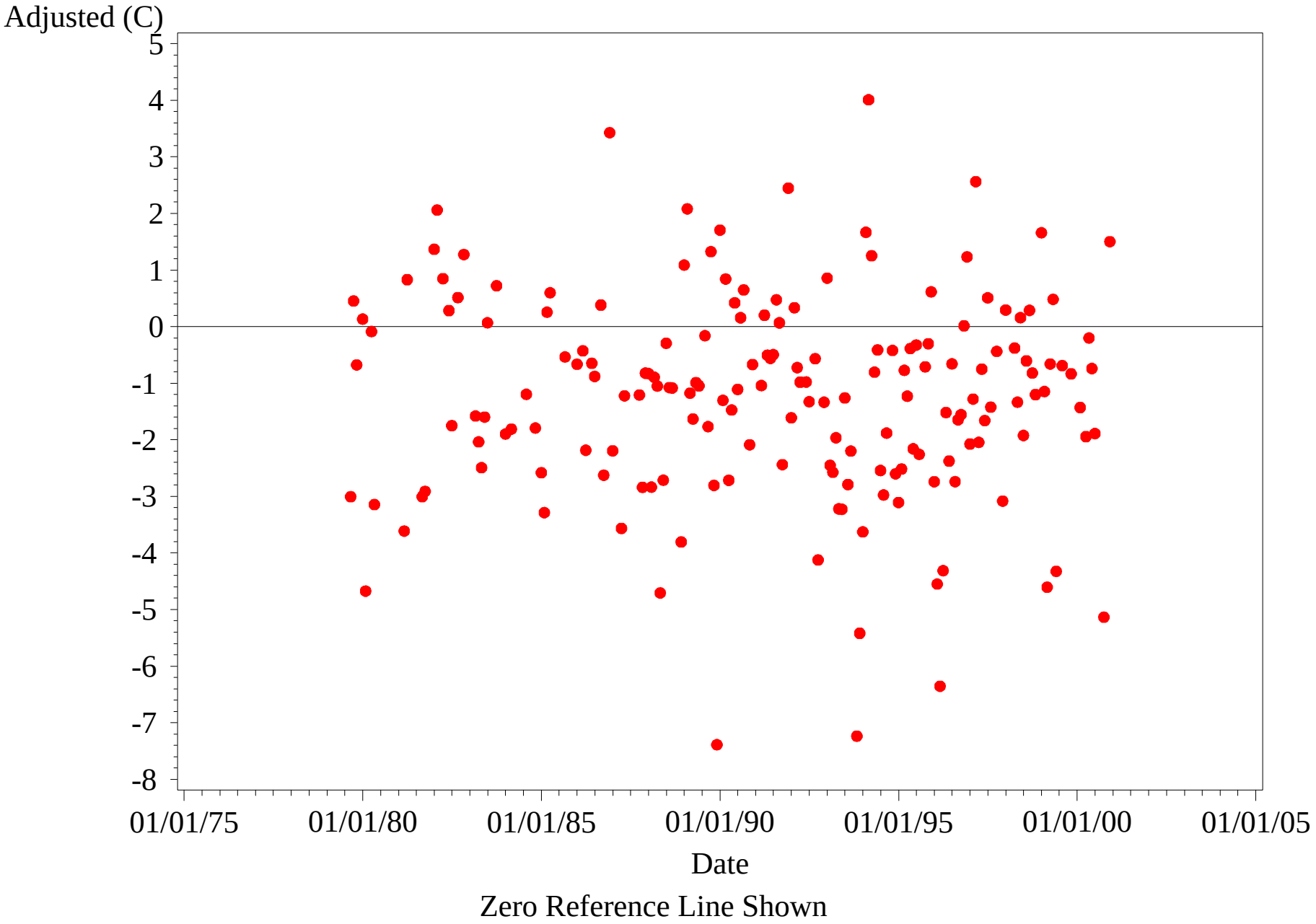
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56190SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.16558	.00368226	0.030762	0.082821

Lemon Bay Trends Appendix - Display 133

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56190SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 134

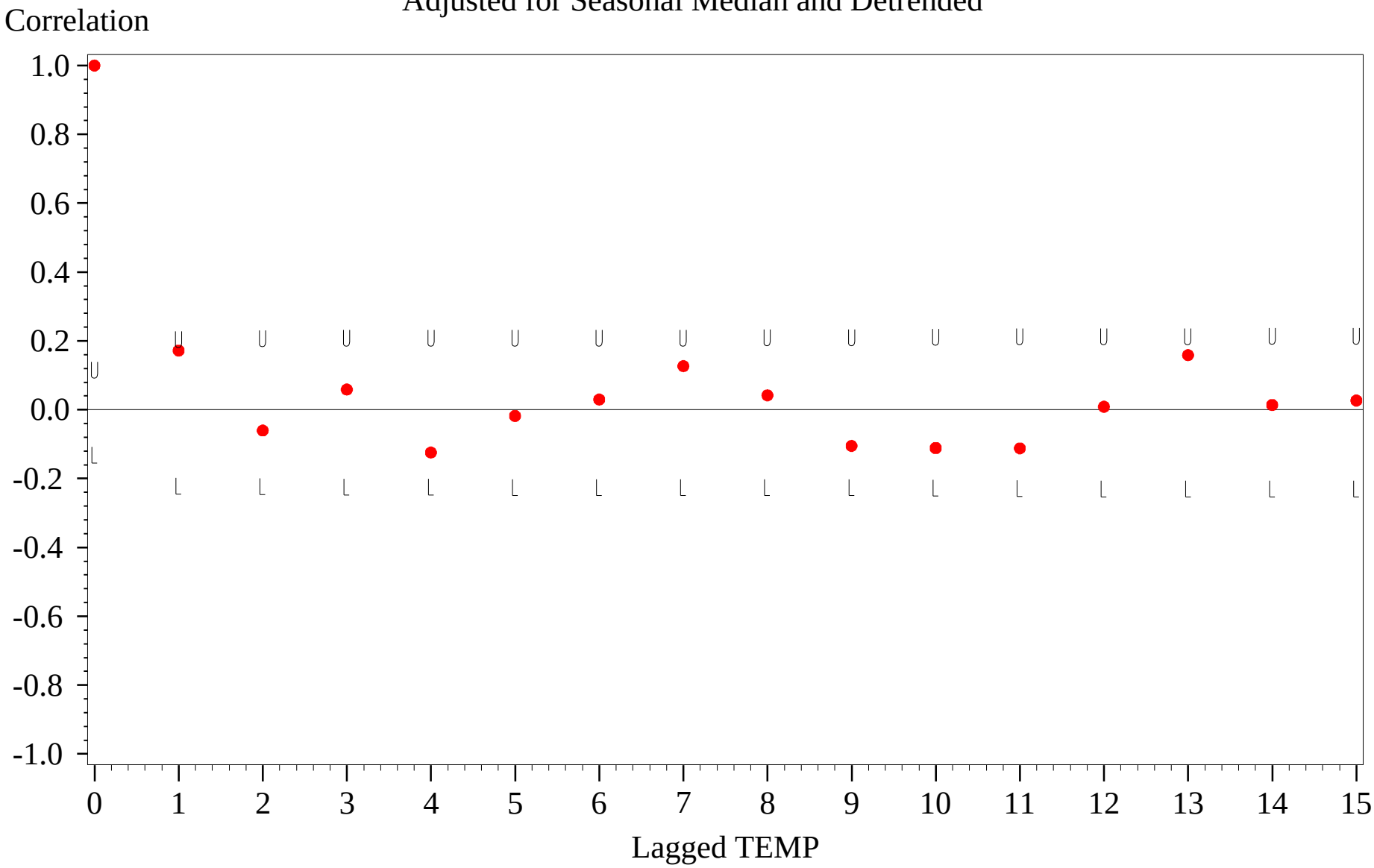
Autocorrelation Statistics for Surface Temperature at FDEP Station 56190SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.172	0.107	0.213	-0.213
2	-0.060	0.108	0.215	-0.215
3	0.059	0.108	0.216	-0.216
4	-0.124	0.108	0.216	-0.216
5	-0.018	0.108	0.217	-0.217
6	0.030	0.108	0.217	-0.217
7	0.127	0.108	0.217	-0.217
8	0.042	0.109	0.218	-0.218
9	-0.105	0.109	0.218	-0.218
10	-0.111	0.109	0.219	-0.219
11	-0.112	0.110	0.220	-0.220
12	0.009	0.110	0.221	-0.221
13	0.159	0.110	0.221	-0.221
14	0.014	0.111	0.222	-0.222
15	0.027	0.111	0.222	-0.222

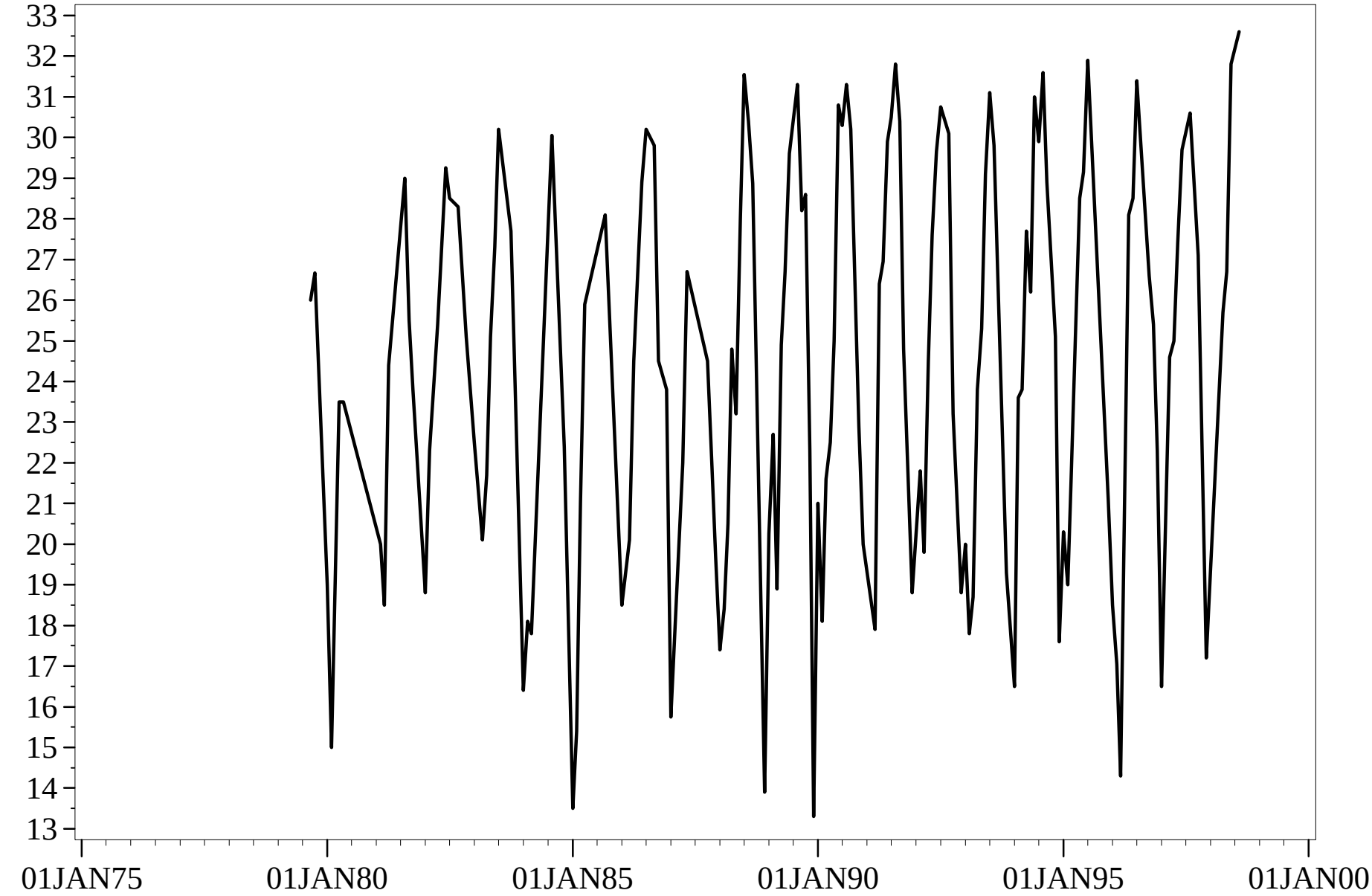
Lemon Bay Trends Appendix - Display 135
Correlogram for Surface Temperature at FDEP Station 56190SEAS

Adjusted for Seasonal Median and Detrended



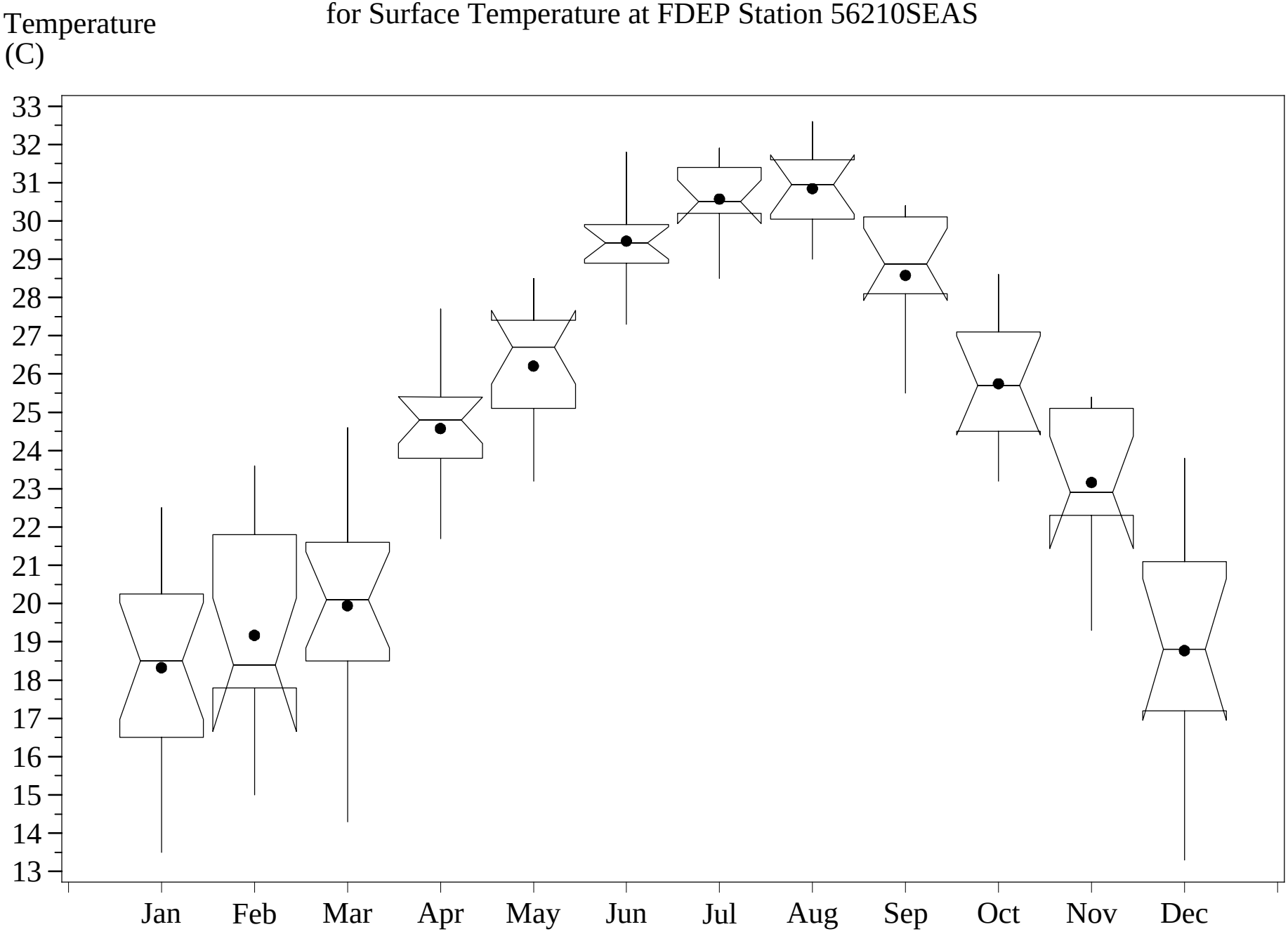
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 136
Monthly Data Time Series
for Surface Temperature at FDEP Station 56210SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 137

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56210SEAS



Lemon Bay Trends Appendix - Display 138

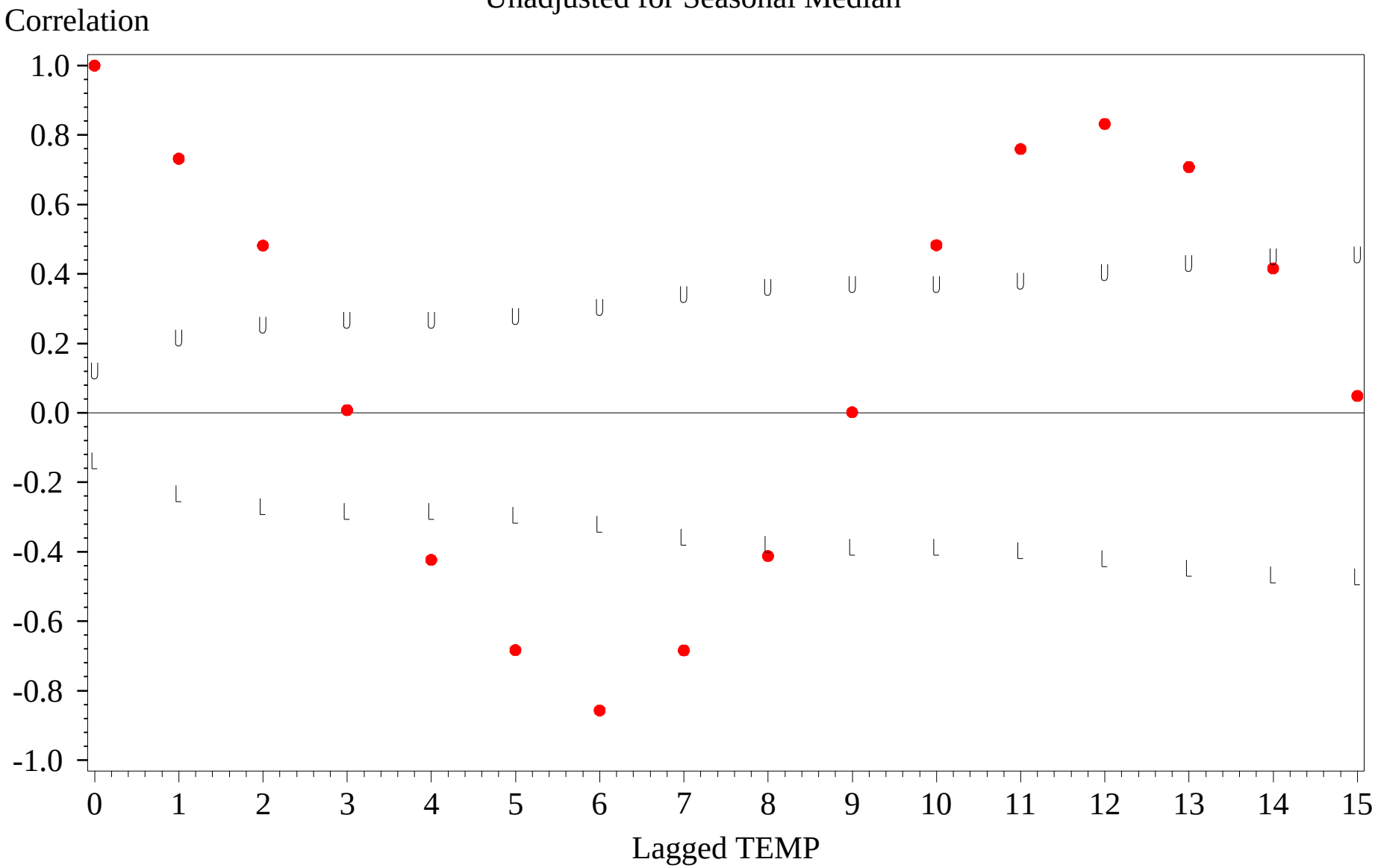
Autocorrelation Statistics for Surface Temperature at FDEP Station 56210SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.732	0.112	0.224	-0.224
2	0.482	0.130	0.261	-0.261
3	0.008	0.137	0.275	-0.275
4	-0.423	0.137	0.275	-0.275
5	-0.683	0.143	0.286	-0.286
6	-0.857	0.156	0.312	-0.312
7	-0.684	0.174	0.349	-0.349
8	-0.412	0.185	0.370	-0.370
9	0.002	0.189	0.378	-0.378
10	0.483	0.189	0.378	-0.378
11	0.760	0.194	0.388	-0.388
12	0.832	0.206	0.412	-0.412
13	0.708	0.220	0.439	-0.439
14	0.416	0.229	0.458	-0.458
15	0.049	0.232	0.464	-0.464

Lemon Bay Trends Appendix - Display 139
Correlogram for Surface Temperature at FDEP Station 56210SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 140

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56210SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.258	0	.001	0.12

Lemon Bay Trends Appendix - Display 141

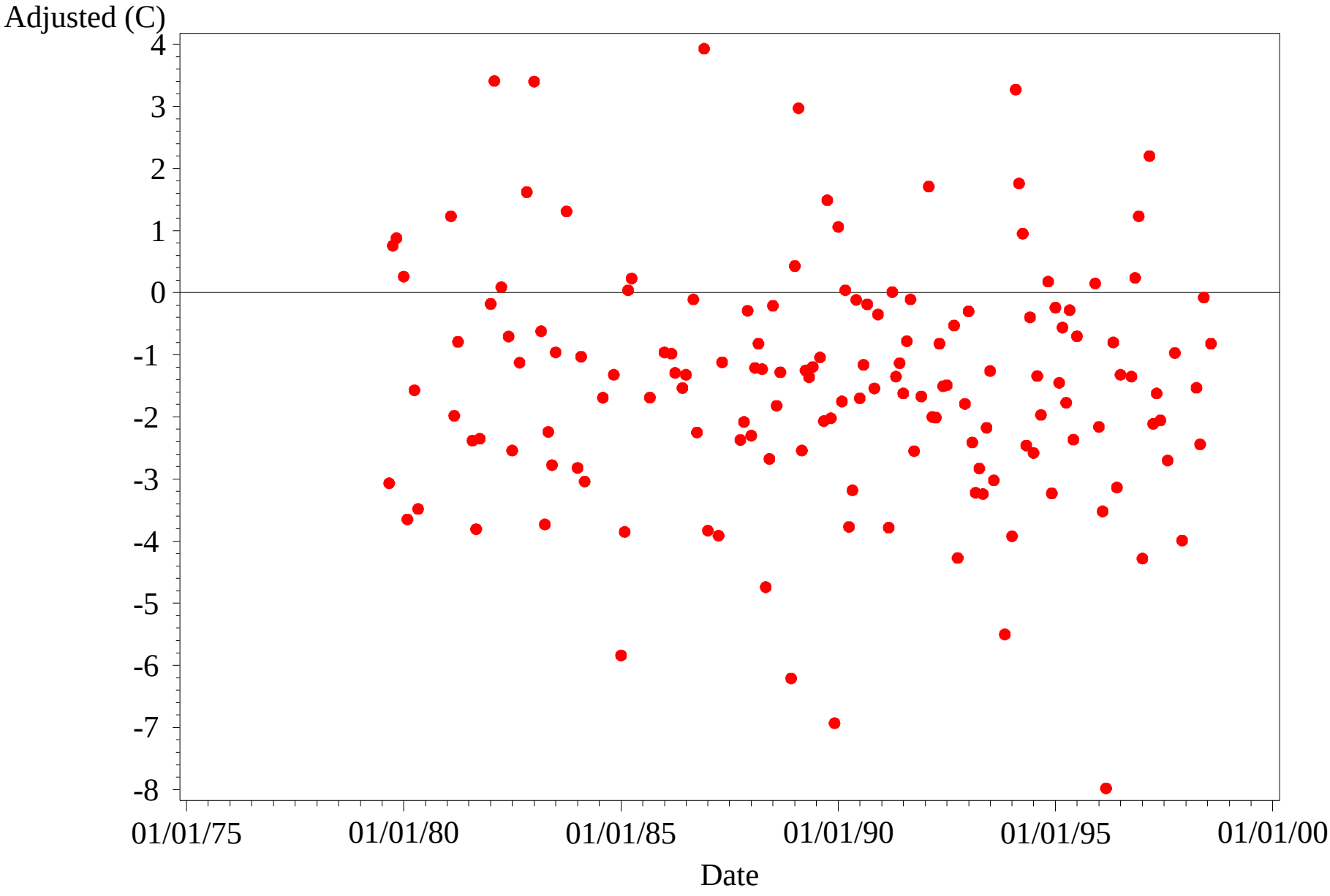
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56210SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.25753	.000043631	.00144982	0.12

Lemon Bay Trends Appendix - Display 142

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56210SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 143

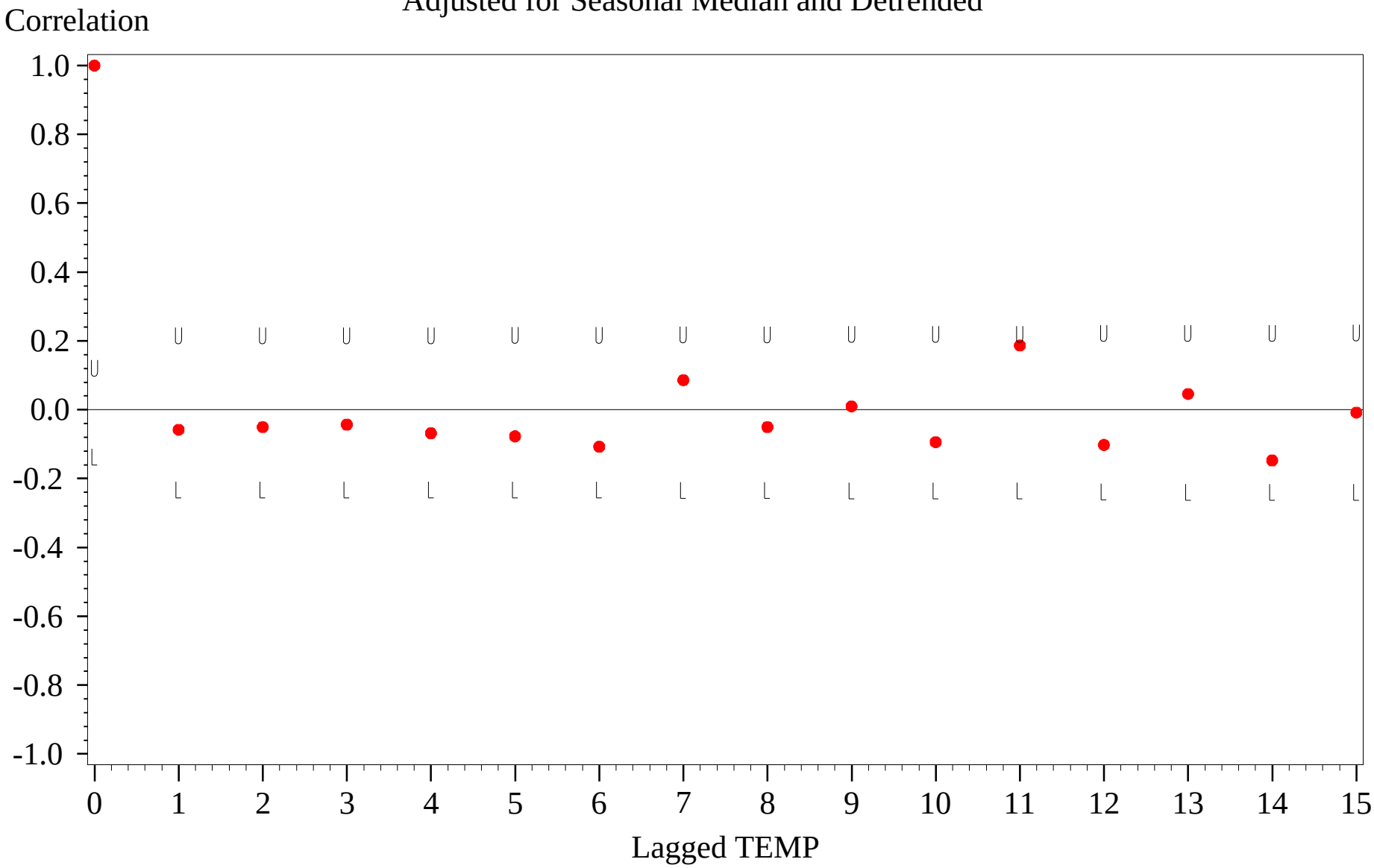
Autocorrelation Statistics for Surface Temperature at FDEP Station 56210SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	-0.058	0.112	0.224	-0.224
2	-0.050	0.112	0.224	-0.224
3	-0.043	0.112	0.224	-0.224
4	-0.068	0.112	0.224	-0.224
5	-0.077	0.112	0.225	-0.225
6	-0.107	0.112	0.225	-0.225
7	0.086	0.113	0.226	-0.226
8	-0.050	0.113	0.226	-0.226
9	0.010	0.113	0.227	-0.227
10	-0.094	0.113	0.227	-0.227
11	0.187	0.114	0.227	-0.227
12	-0.102	0.115	0.230	-0.230
13	0.046	0.115	0.231	-0.231
14	-0.147	0.115	0.231	-0.231
15	-0.008	0.116	0.232	-0.232

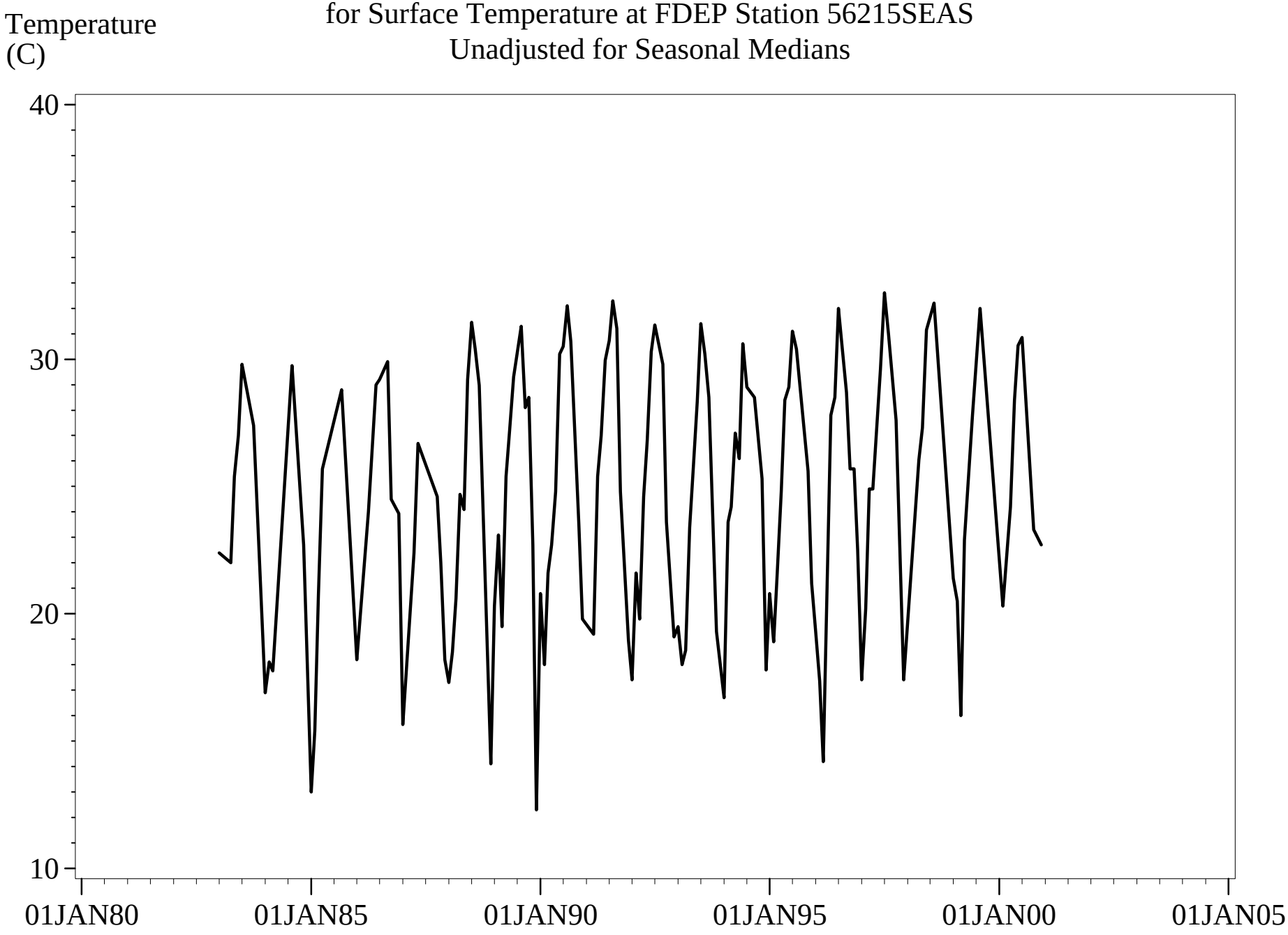
Lemon Bay Trends Appendix - Display 144
Correlogram for Surface Temperature at FDEP Station 56210SEAS

Adjusted for Seasonal Median and Detrended



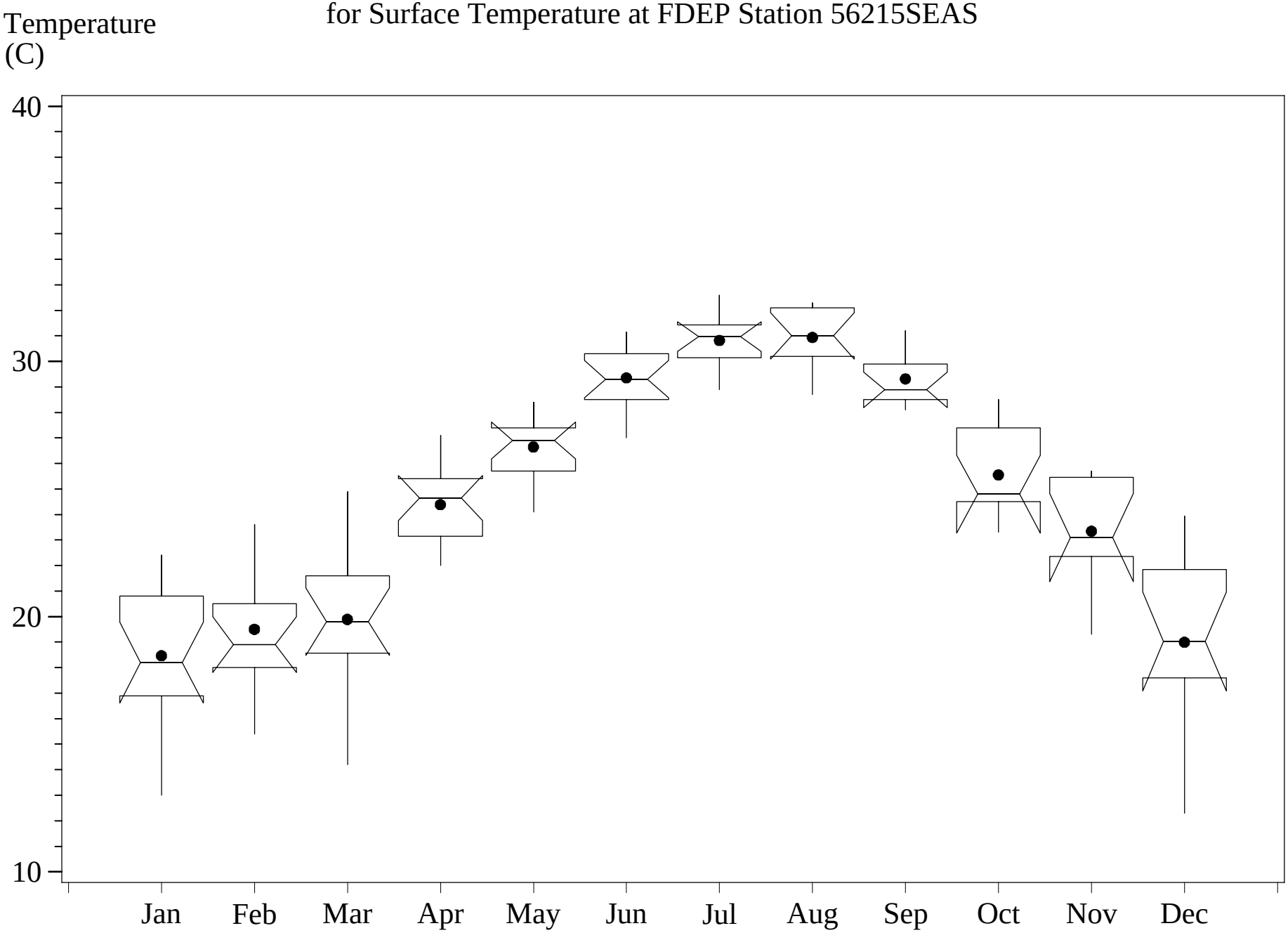
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 145
Monthly Data Time Series
for Surface Temperature at FDEP Station 56215SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 146

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56215SEAS



Lemon Bay Trends Appendix - Display 147

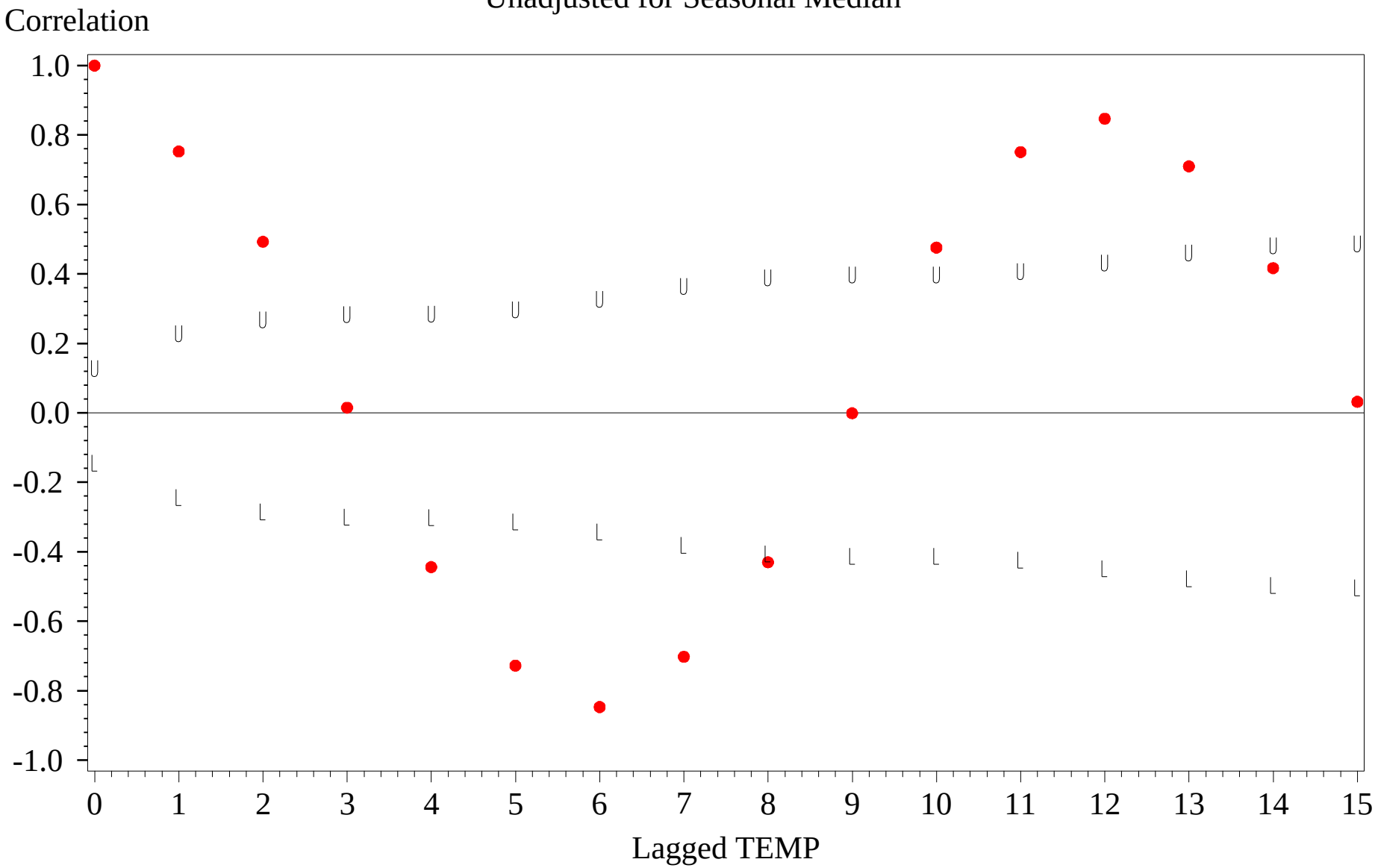
Autocorrelation Statistics for Surface Temperature at FDEP Station 56215SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.068	0.136	-0.136
1	0.753	0.118	0.236	-0.236
2	0.493	0.138	0.277	-0.277
3	0.015	0.146	0.292	-0.292
4	-0.444	0.146	0.293	-0.293
5	-0.728	0.152	0.305	-0.305
6	-0.847	0.168	0.335	-0.335
7	-0.702	0.186	0.373	-0.373
8	-0.430	0.198	0.397	-0.397
9	-0.001	0.203	0.405	-0.405
10	0.476	0.203	0.405	-0.405
11	0.751	0.208	0.415	-0.415
12	0.847	0.220	0.440	-0.440
13	0.710	0.235	0.469	-0.469
14	0.417	0.244	0.489	-0.489
15	0.032	0.248	0.495	-0.495

Lemon Bay Trends Appendix - Display 148
Correlogram for Surface Temperature at FDEP Station 56215SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 149

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56215SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.218	.001	.004	0.111

Lemon Bay Trends Appendix - Display 150

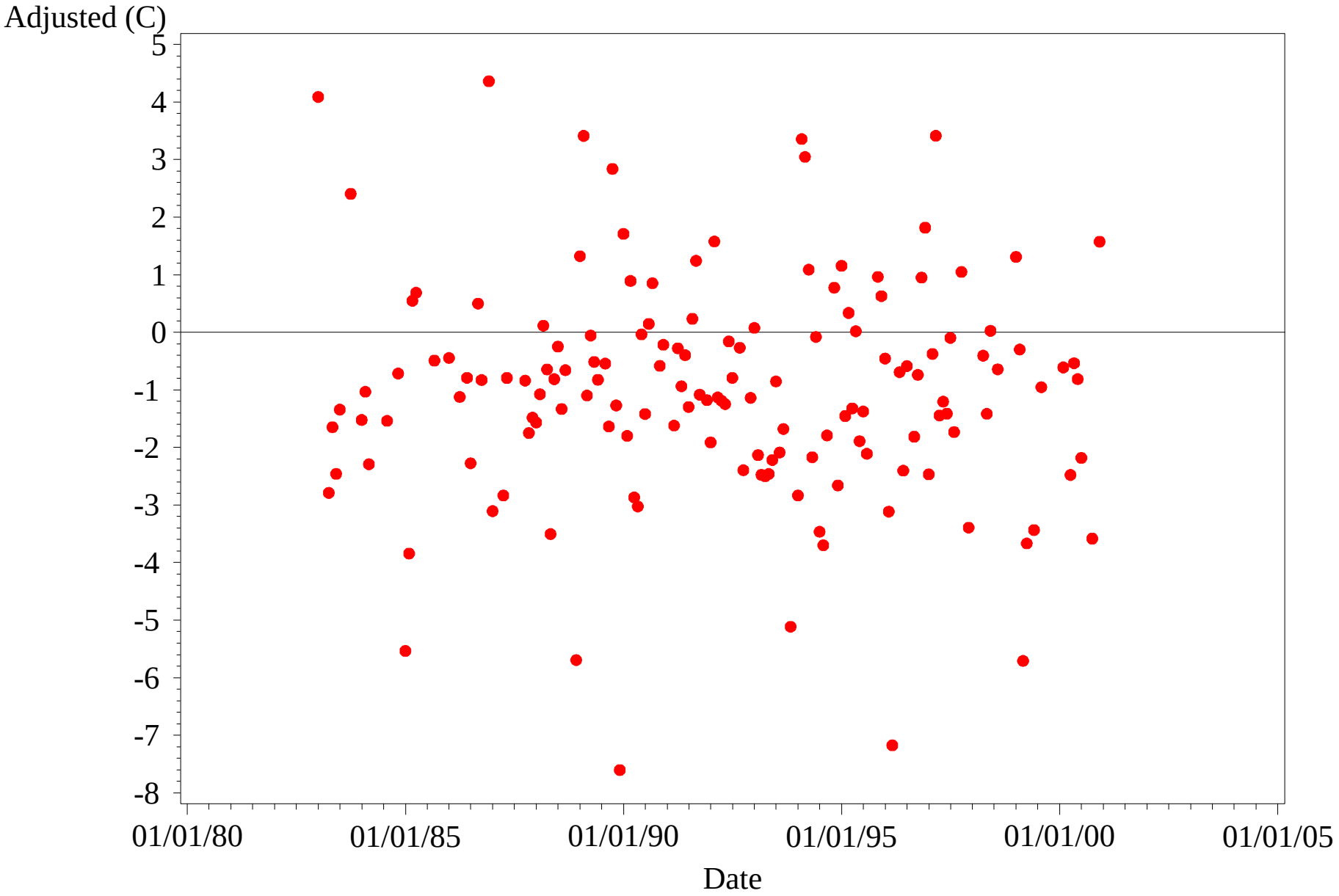
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56215SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.21764	.000614405	.00351262	0.11108

Lemon Bay Trends Appendix - Display 151

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56215SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 152

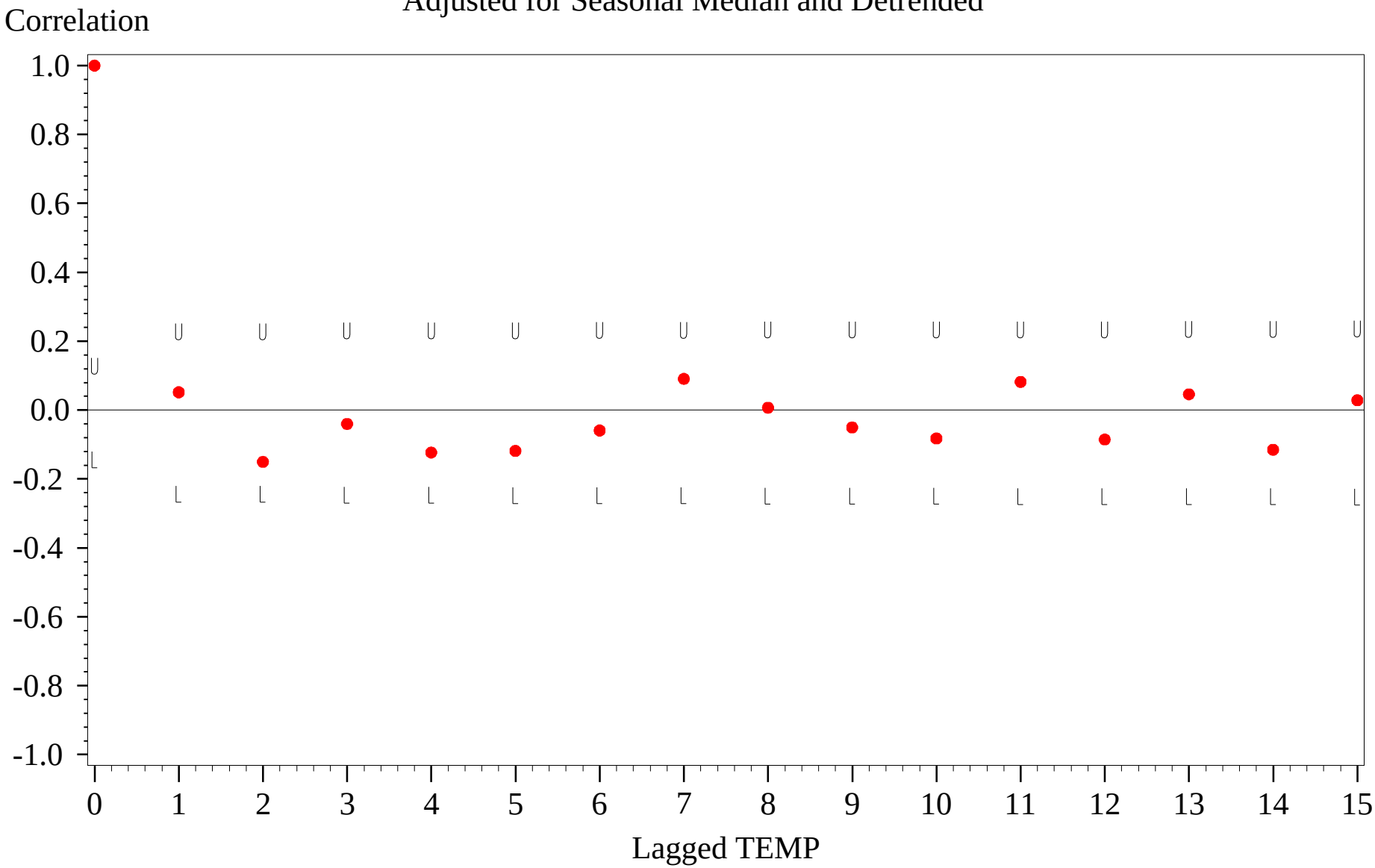
Autocorrelation Statistics for Surface Temperature at FDEP Station 56215SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.068	0.136	-0.136
1	0.052	0.118	0.236	-0.236
2	-0.150	0.118	0.236	-0.236
3	-0.040	0.119	0.238	-0.238
4	-0.123	0.119	0.238	-0.238
5	-0.118	0.119	0.239	-0.239
6	-0.059	0.120	0.240	-0.240
7	0.091	0.120	0.240	-0.240
8	0.007	0.120	0.241	-0.241
9	-0.050	0.120	0.241	-0.241
10	-0.082	0.121	0.241	-0.241
11	0.082	0.121	0.242	-0.242
12	-0.085	0.121	0.242	-0.242
13	0.046	0.121	0.243	-0.243
14	-0.115	0.121	0.243	-0.243
15	0.029	0.122	0.244	-0.244

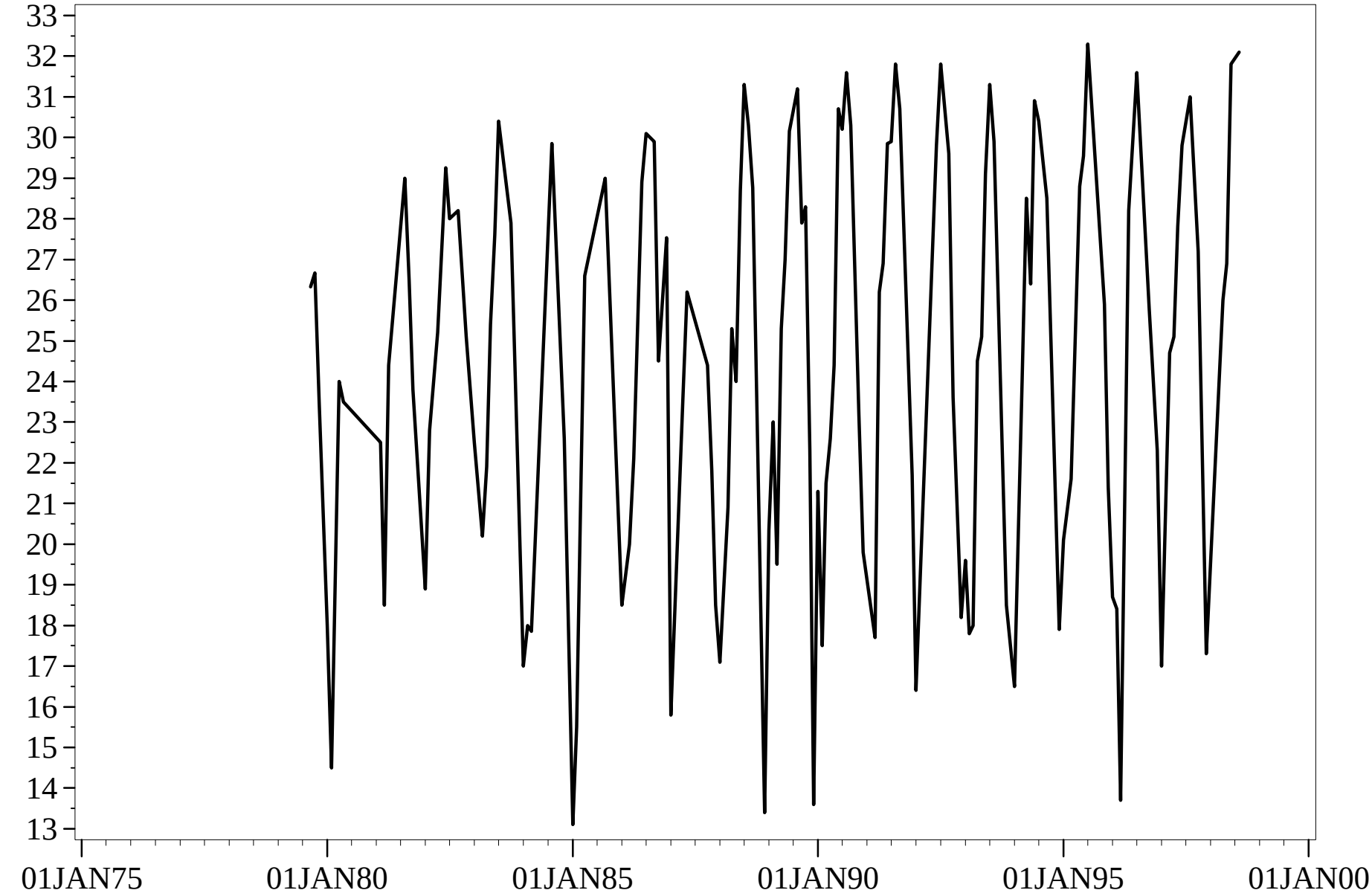
Lemon Bay Trends Appendix - Display 153
Correlogram for Surface Temperature at FDEP Station 56215SEAS

Adjusted for Seasonal Median and Detrended



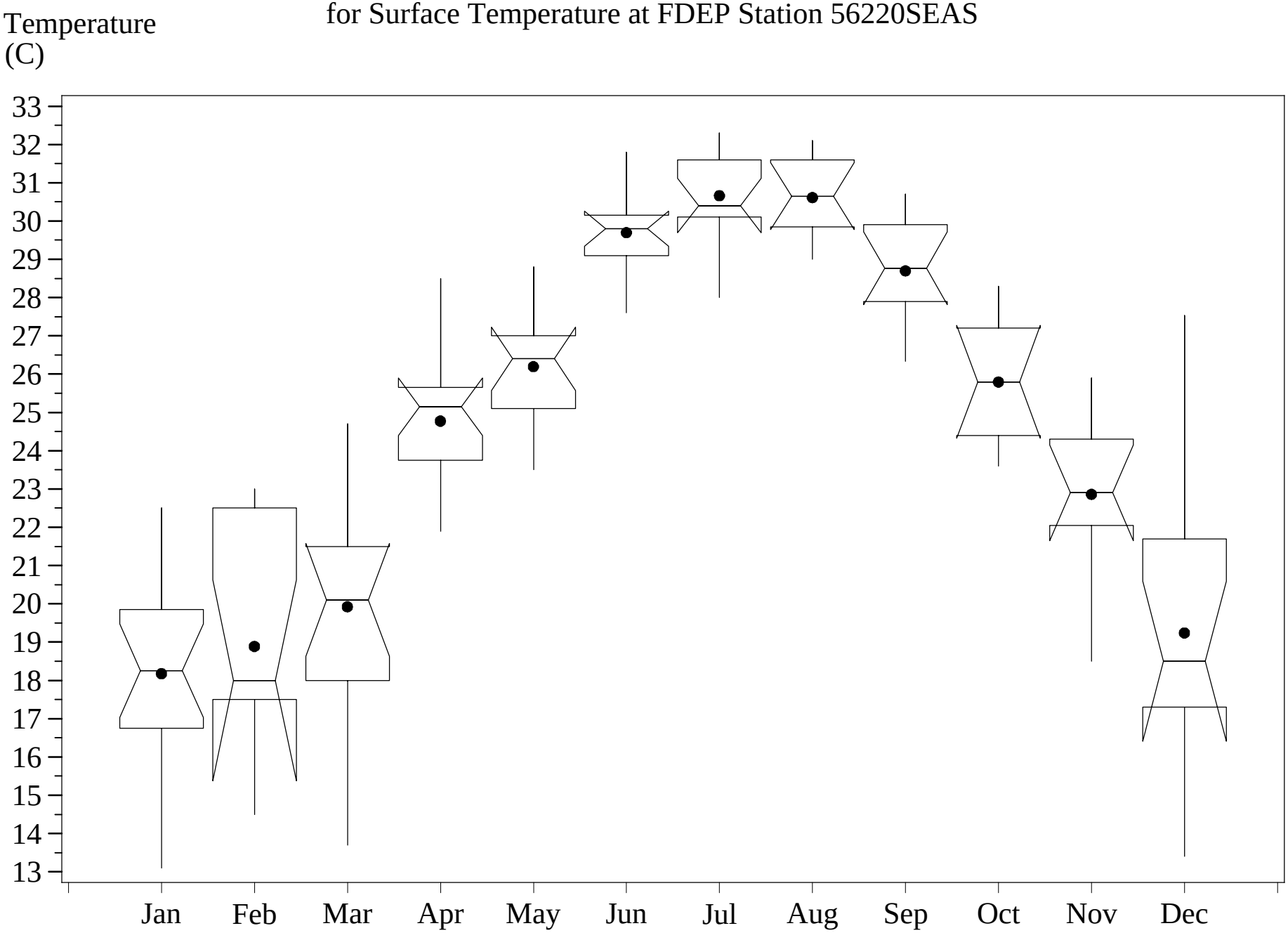
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 154
Monthly Data Time Series
for Surface Temperature at FDEP Station 56220SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 155

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56220SEAS



Lemon Bay Trends Appendix - Display 156

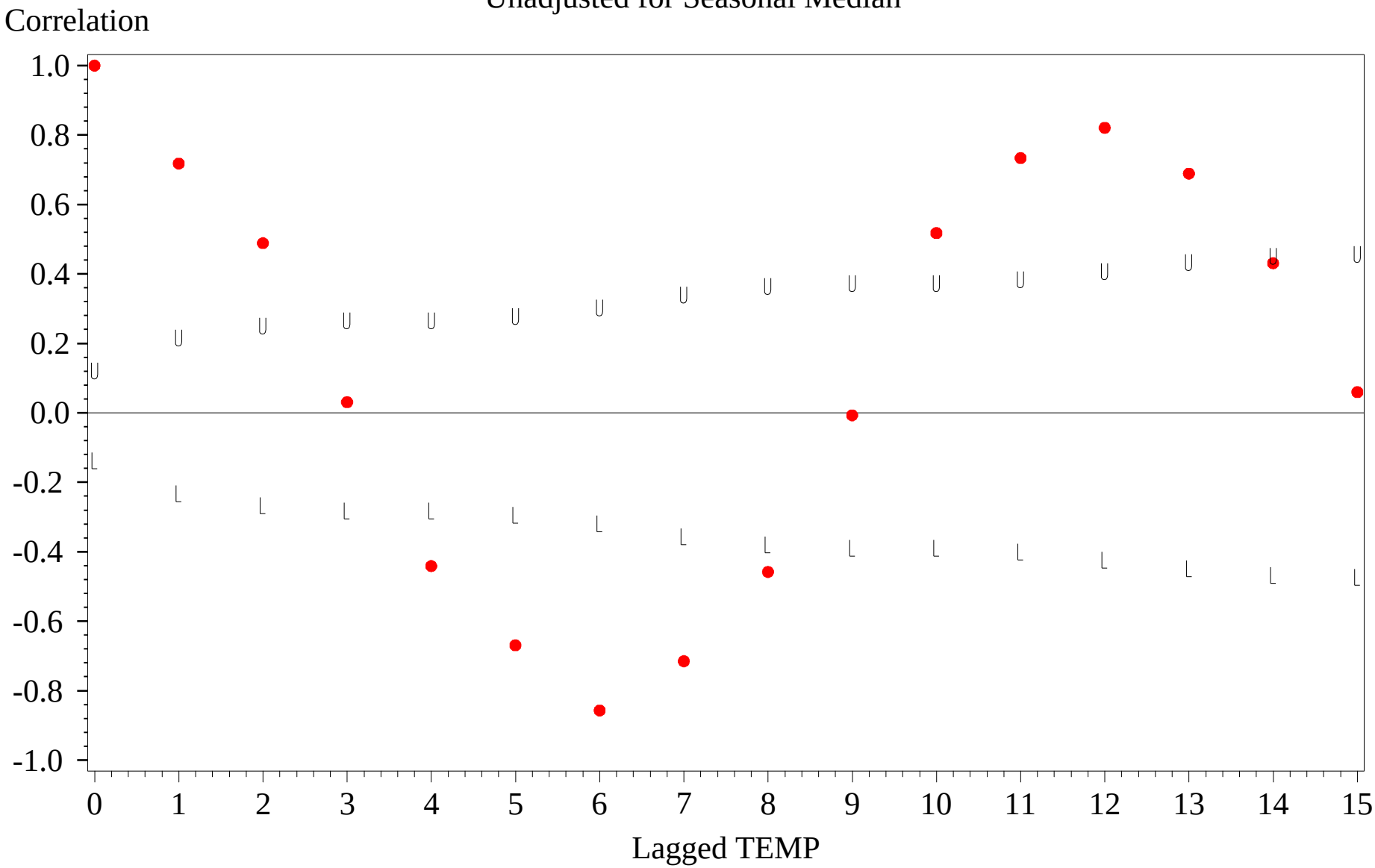
Autocorrelation Statistics for Surface Temperature at FDEP Station 56220SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.718	0.112	0.224	-0.224
2	0.489	0.130	0.259	-0.259
3	0.031	0.137	0.274	-0.274
4	-0.441	0.137	0.274	-0.274
5	-0.669	0.143	0.286	-0.286
6	-0.857	0.155	0.311	-0.311
7	-0.715	0.174	0.348	-0.348
8	-0.458	0.186	0.372	-0.372
9	-0.007	0.190	0.381	-0.381
10	0.518	0.190	0.381	-0.381
11	0.734	0.196	0.392	-0.392
12	0.821	0.207	0.415	-0.415
13	0.689	0.220	0.441	-0.441
14	0.431	0.229	0.459	-0.459
15	0.060	0.233	0.465	-0.465

Lemon Bay Trends Appendix - Display 157
Correlogram for Surface Temperature at FDEP Station 56220SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 158

Seasonal Kendall Tau Trend Test Statistics for Surface Temperature at FDEP Station 56220SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.251	0	.001	0.138

Lemon Bay Trends Appendix - Display 159

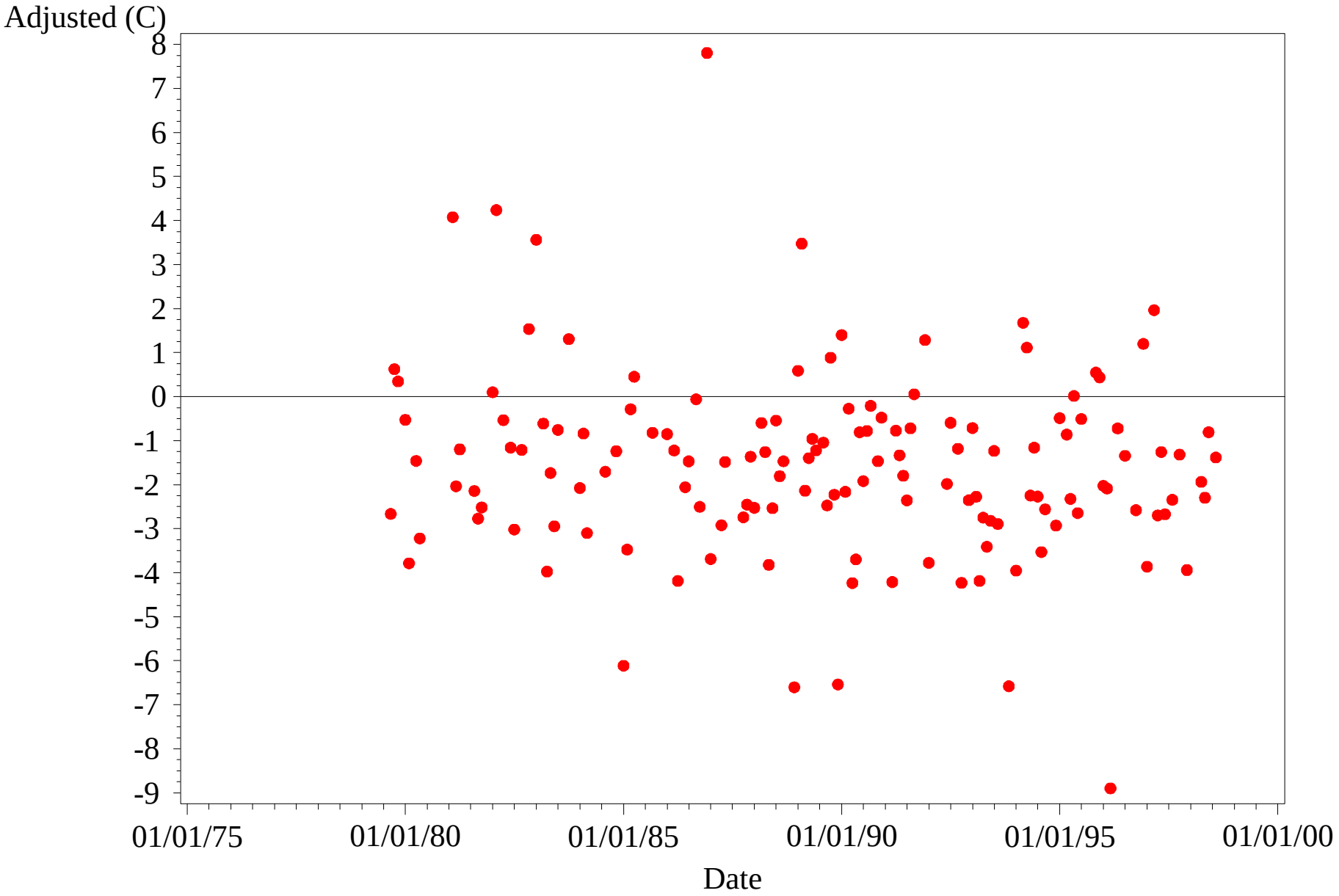
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56220SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.25094	.000136137	.00122726	0.1375

Lemon Bay Trends Appendix - Display 160

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56220SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 161

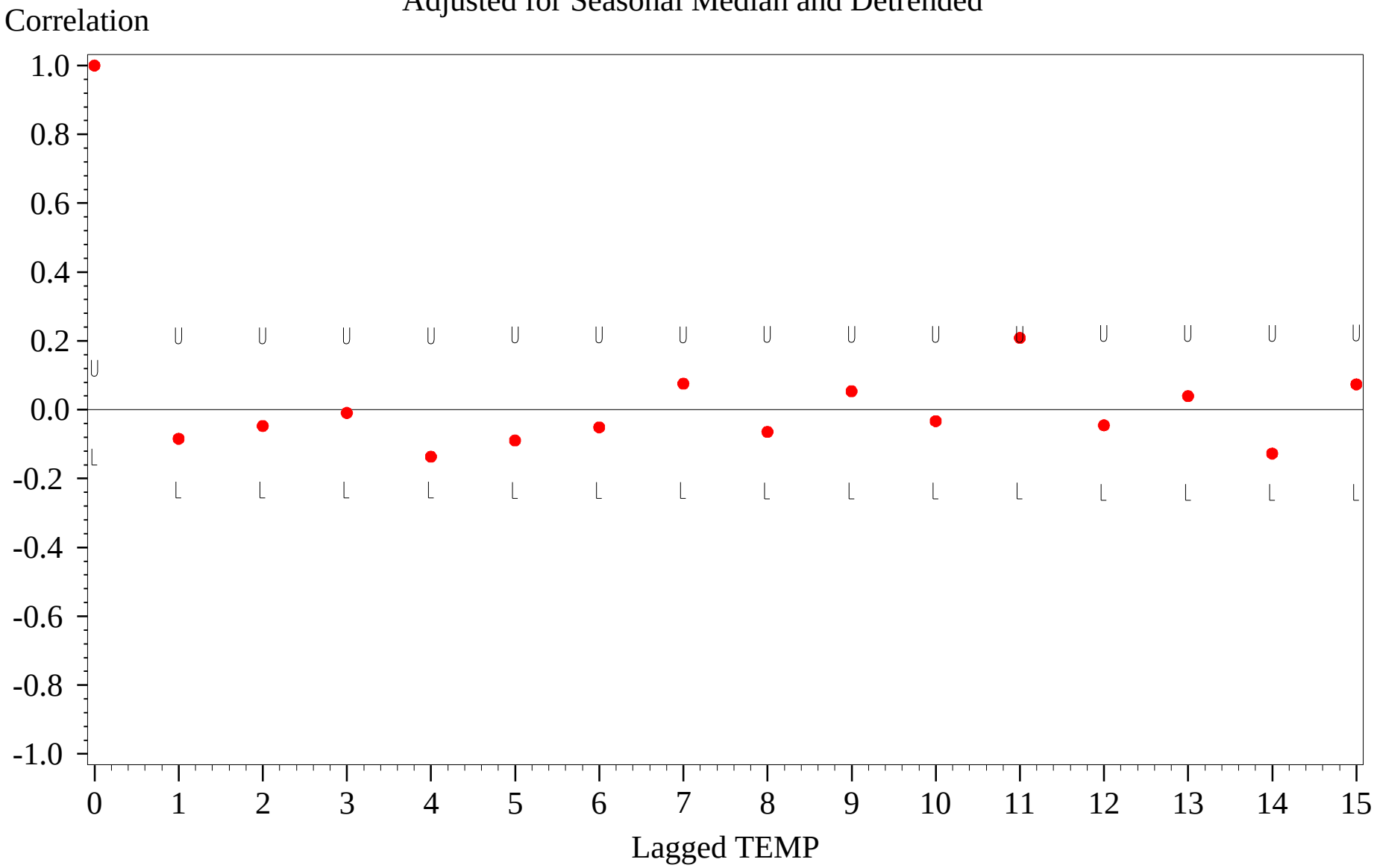
Autocorrelation Statistics for Surface Temperature at FDEP Station 56220SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	-0.084	0.112	0.224	-0.224
2	-0.047	0.112	0.224	-0.224
3	-0.009	0.112	0.224	-0.224
4	-0.136	0.112	0.224	-0.224
5	-0.089	0.113	0.226	-0.226
6	-0.051	0.113	0.226	-0.226
7	0.076	0.113	0.226	-0.226
8	-0.064	0.113	0.227	-0.227
9	0.054	0.114	0.227	-0.227
10	-0.033	0.114	0.227	-0.227
11	0.209	0.114	0.227	-0.227
12	-0.045	0.115	0.231	-0.231
13	0.040	0.115	0.231	-0.231
14	-0.127	0.115	0.231	-0.231
15	0.074	0.116	0.232	-0.232

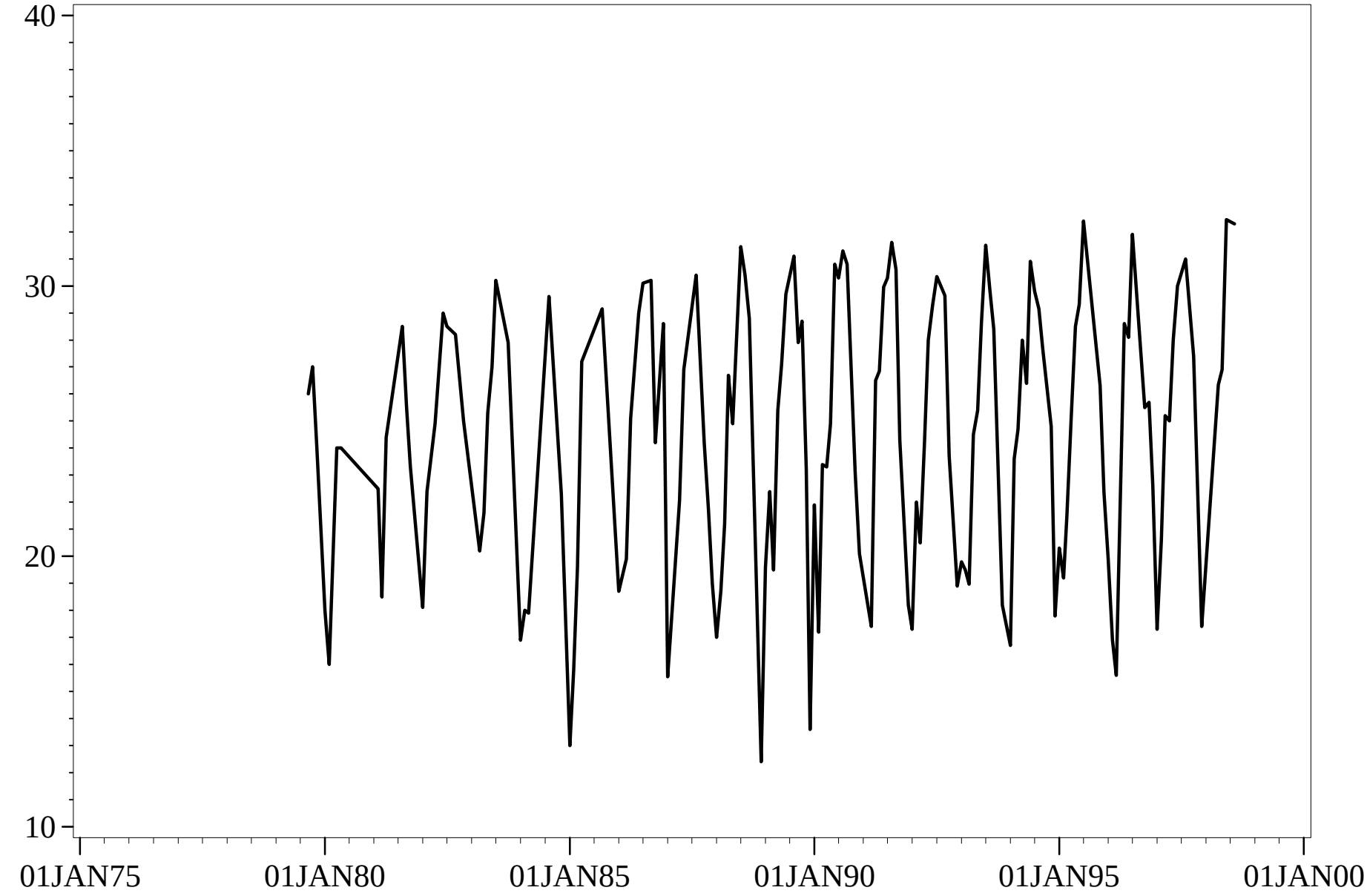
Lemon Bay Trends Appendix - Display 162
Correlogram for Surface Temperature at FDEP Station 56220SEAS

Adjusted for Seasonal Median and Detrended



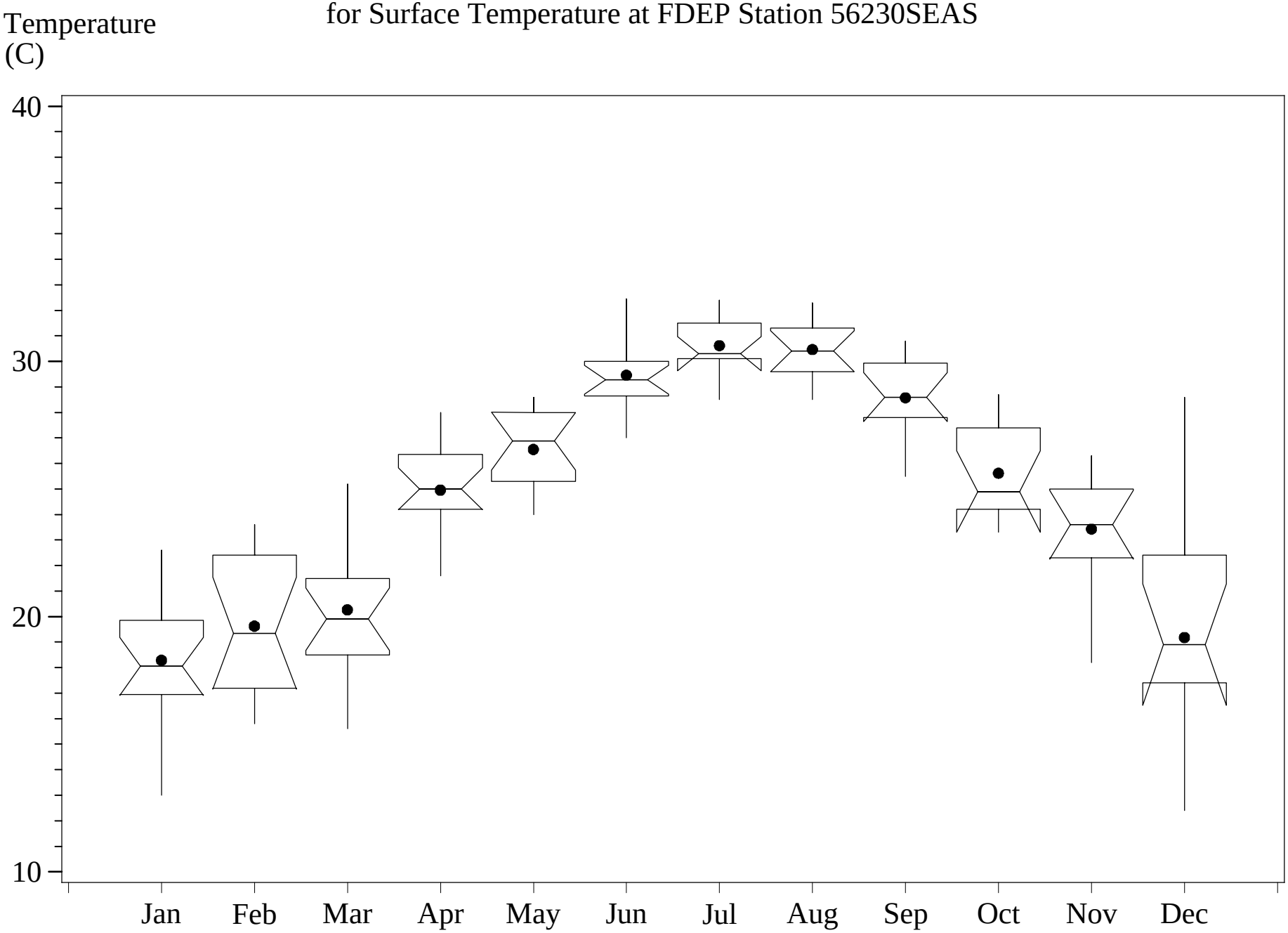
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 163
Monthly Data Time Series
for Surface Temperature at FDEP Station 56230SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 164

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56230SEAS



Lemon Bay Trends Appendix - Display 165

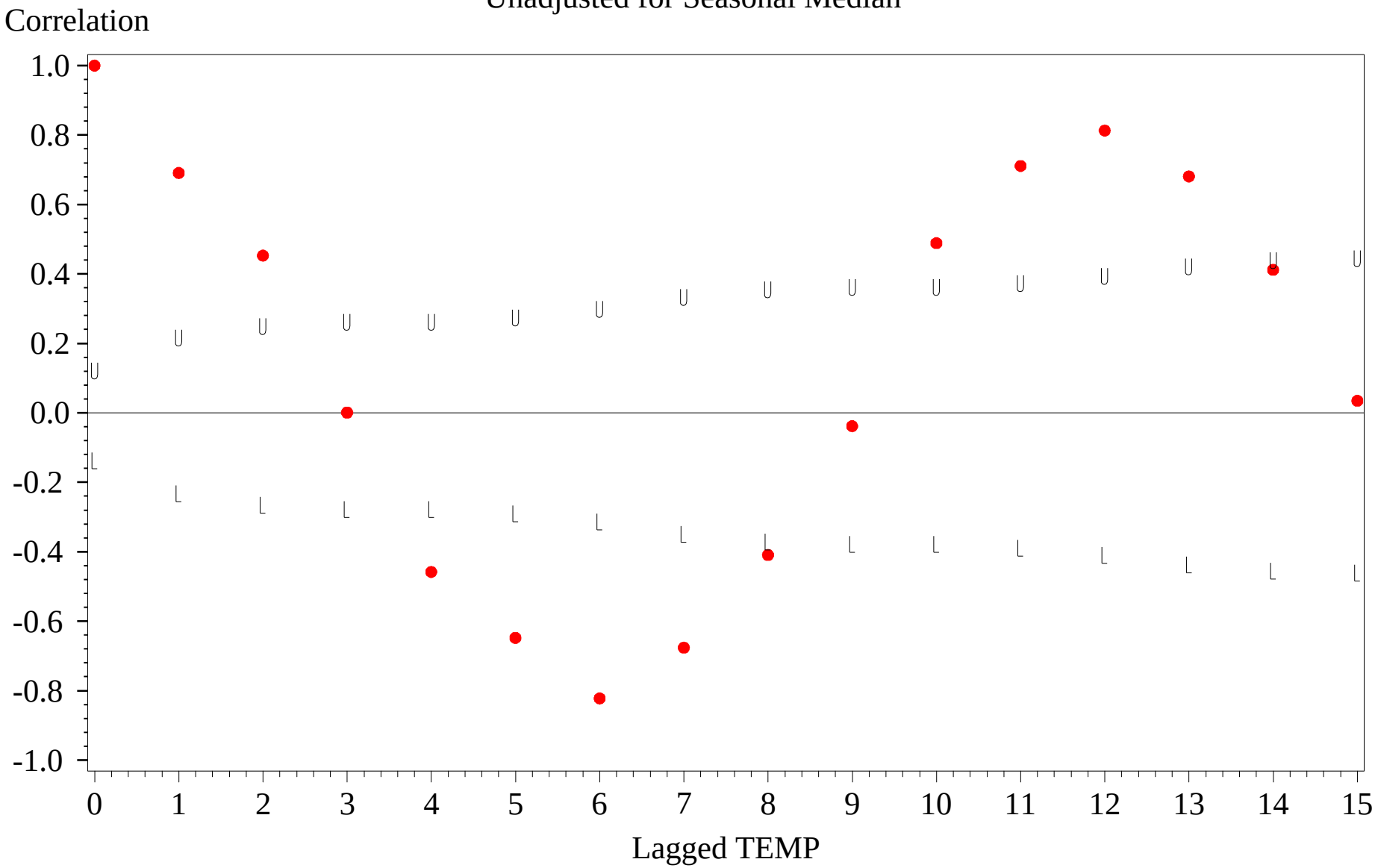
Autocorrelation Statistics for Surface Temperature at FDEP Station 56230SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.691	0.112	0.224	-0.224
2	0.453	0.128	0.257	-0.257
3	0.001	0.135	0.270	-0.270
4	-0.458	0.135	0.270	-0.270
5	-0.648	0.141	0.282	-0.282
6	-0.822	0.153	0.306	-0.306
7	-0.676	0.170	0.341	-0.341
8	-0.409	0.181	0.363	-0.363
9	-0.038	0.185	0.370	-0.370
10	0.489	0.185	0.370	-0.370
11	0.711	0.190	0.381	-0.381
12	0.813	0.201	0.402	-0.402
13	0.681	0.214	0.429	-0.429
14	0.412	0.223	0.447	-0.447
15	0.035	0.226	0.453	-0.453

Lemon Bay Trends Appendix - Display 166
Correlogram for Surface Temperature at FDEP Station 56230SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 167

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56230SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.252	0	0	0.131

Lemon Bay Trends Appendix - Display 168

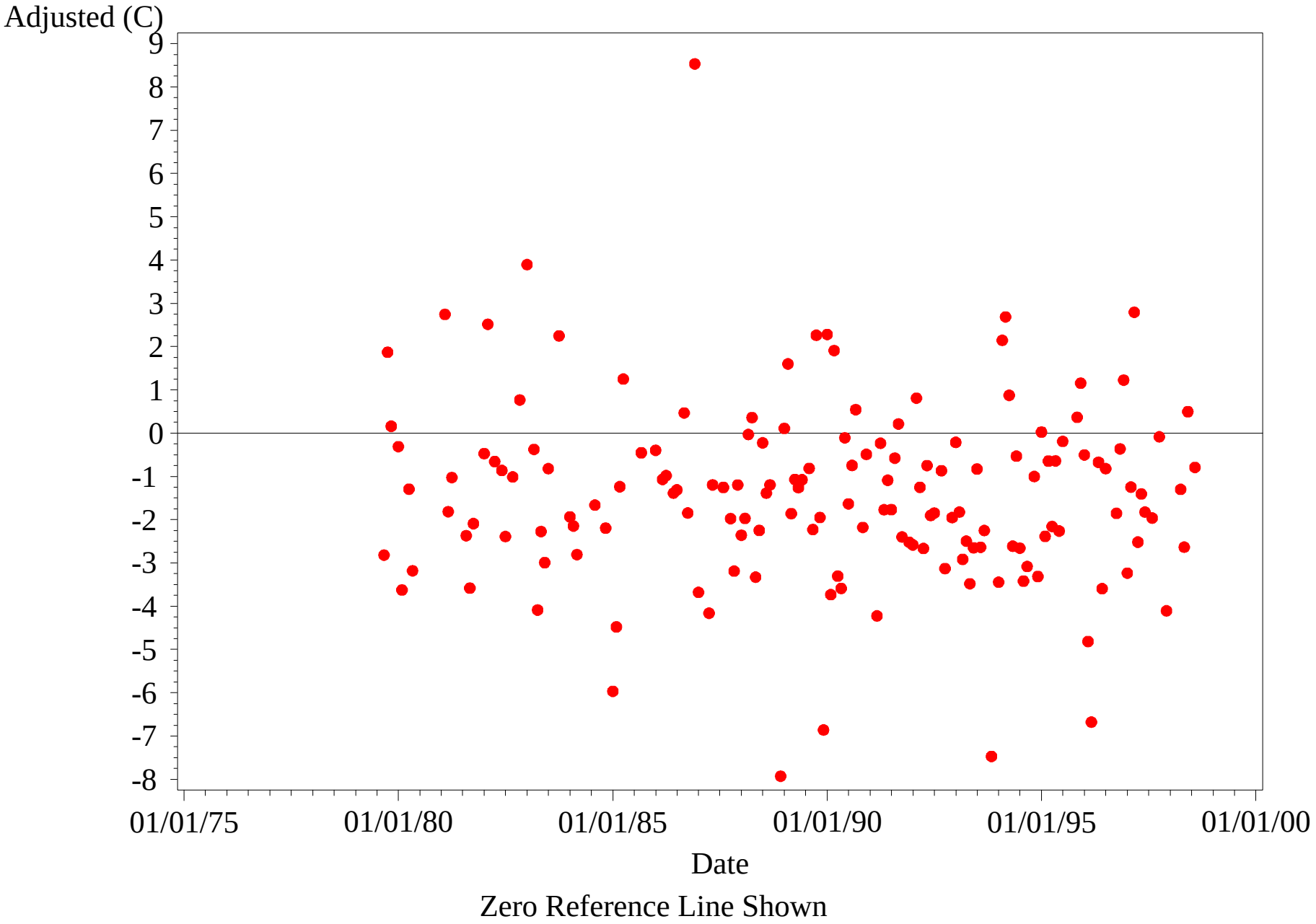
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56230SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.25236	.000042915	.000429392	0.13077

Lemon Bay Trends Appendix - Display 169

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56230SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 170

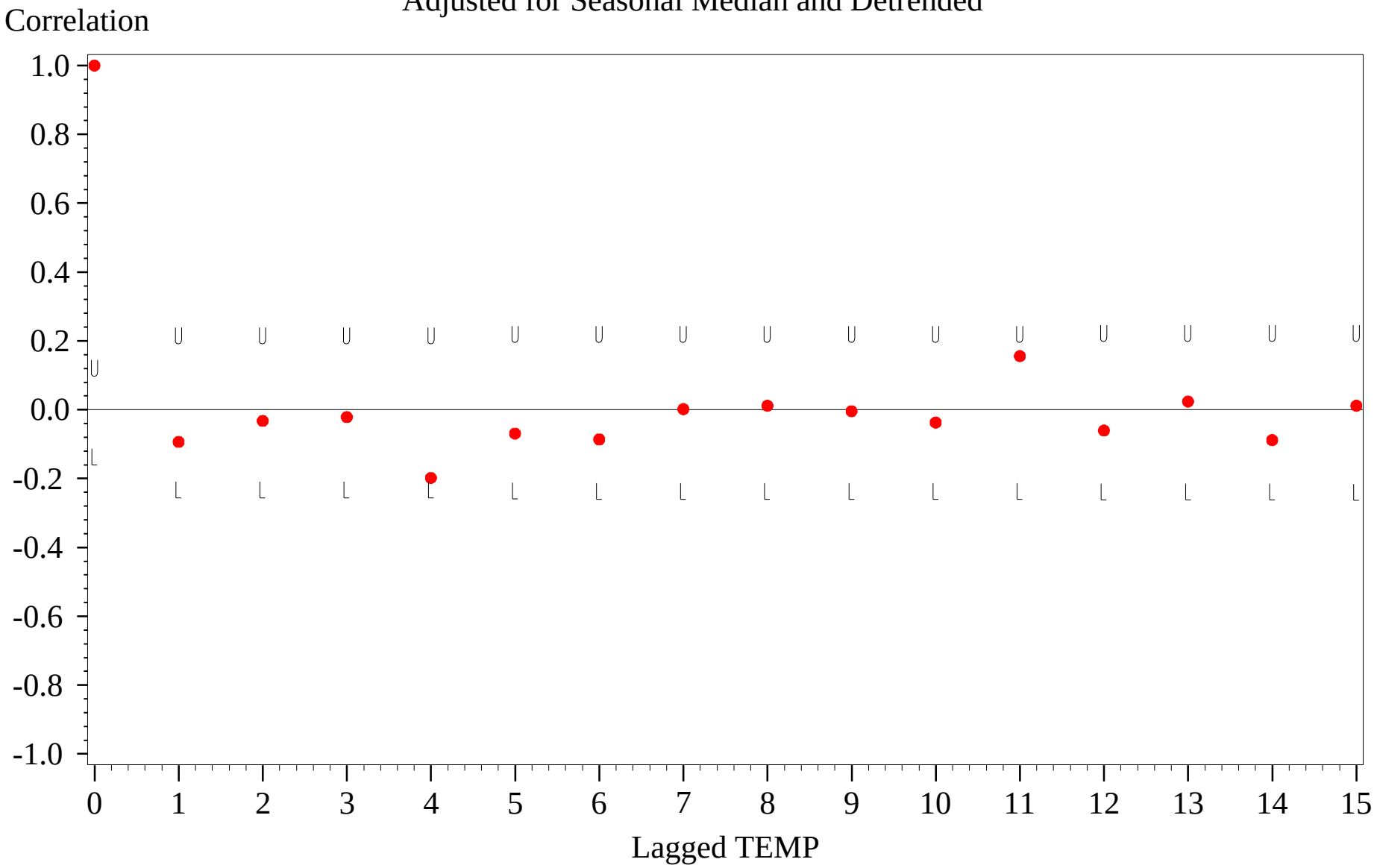
Autocorrelation Statistics for Surface Temperature at FDEP Station 56230SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	-0.093	0.112	0.224	-0.224
2	-0.032	0.112	0.224	-0.224
3	-0.021	0.112	0.224	-0.224
4	-0.198	0.112	0.224	-0.224
5	-0.069	0.114	0.227	-0.227
6	-0.086	0.114	0.228	-0.228
7	0.002	0.114	0.228	-0.228
8	0.012	0.114	0.228	-0.228
9	-0.004	0.114	0.228	-0.228
10	-0.037	0.114	0.228	-0.228
11	0.156	0.114	0.228	-0.228
12	-0.060	0.115	0.230	-0.230
13	0.024	0.115	0.230	-0.230
14	-0.088	0.115	0.230	-0.230
15	0.012	0.115	0.231	-0.231

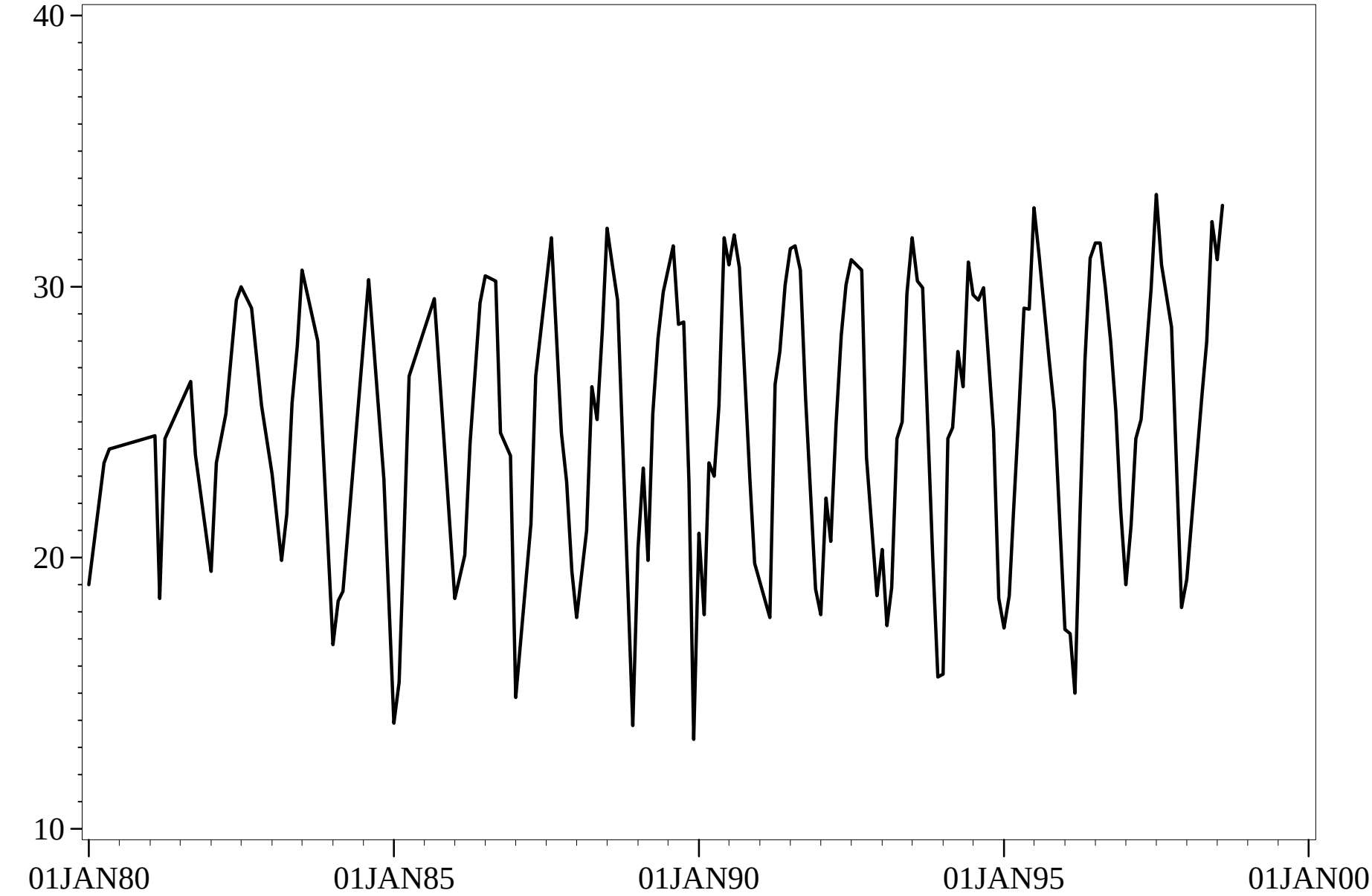
Lemon Bay Trends Appendix - Display 171
Correlogram for Surface Temperature at FDEP Station 56230SEAS

Adjusted for Seasonal Median and Detrended



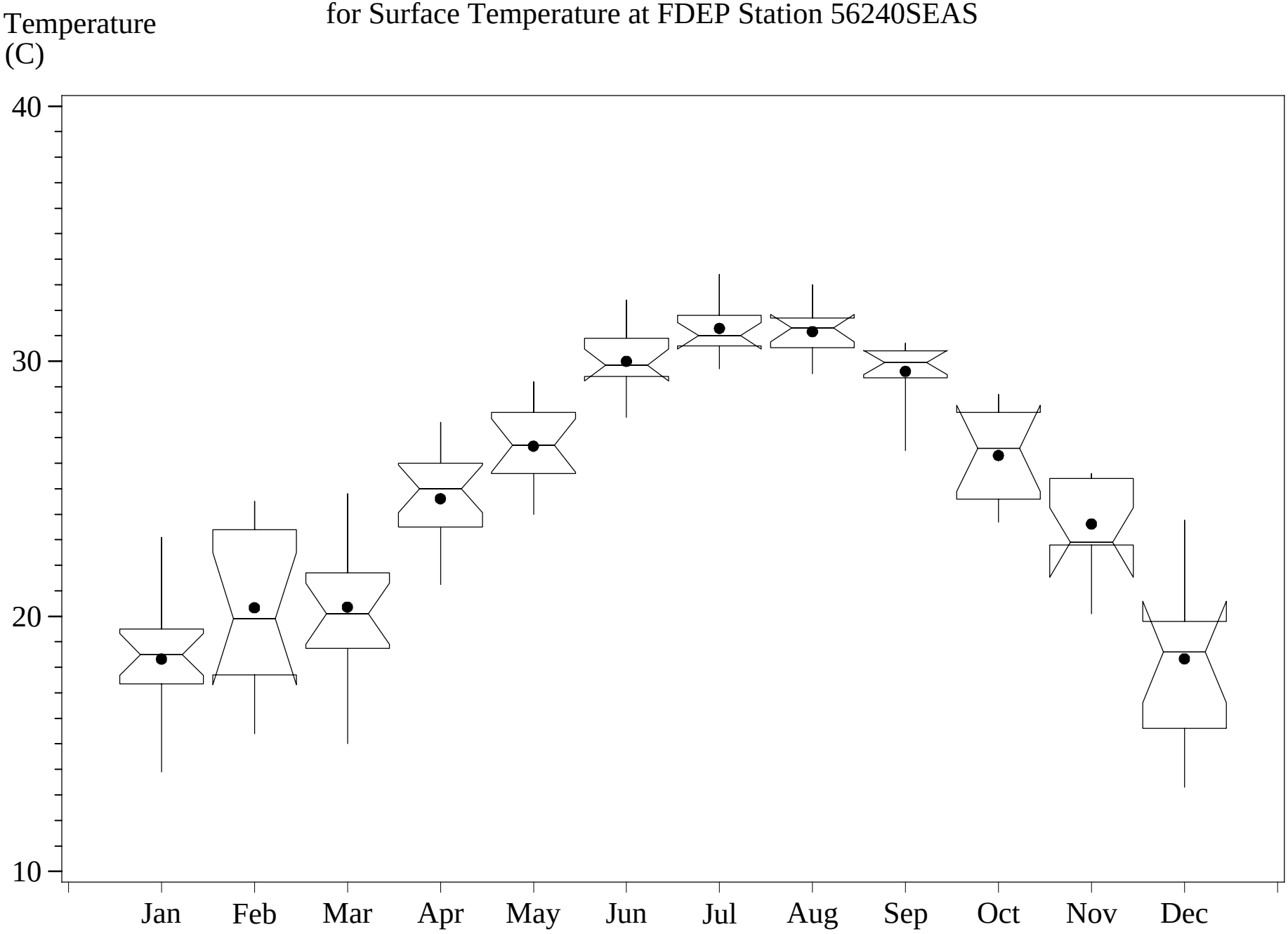
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 172
Monthly Data Time Series
for Surface Temperature at FDEP Station 56240SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 173

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56240SEAS



Lemon Bay Trends Appendix - Display 174

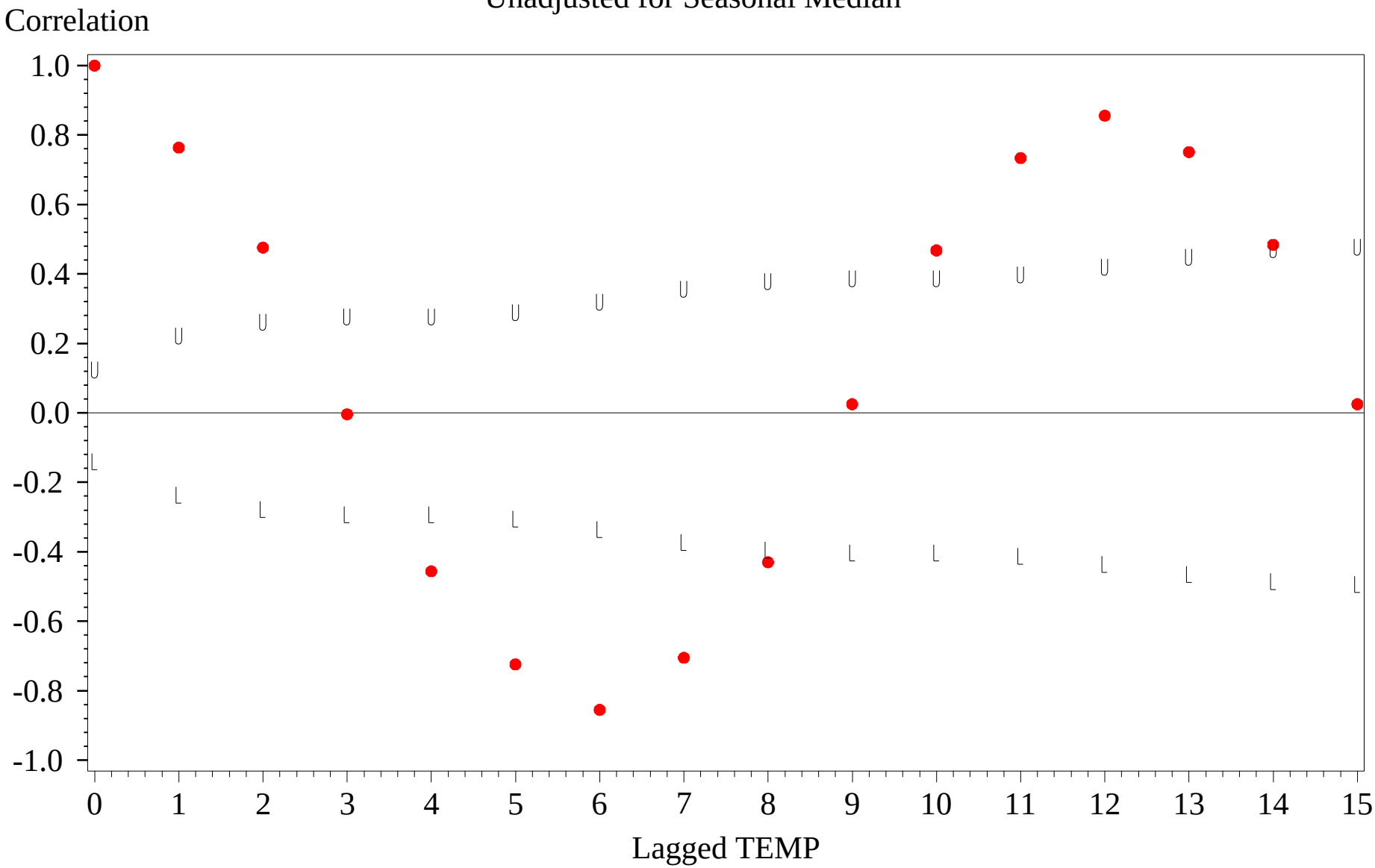
Autocorrelation Statistics for Surface Temperature at FDEP Station 56240SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.764	0.115	0.229	-0.229
2	0.476	0.135	0.270	-0.270
3	-0.004	0.142	0.285	-0.285
4	-0.456	0.142	0.285	-0.285
5	-0.724	0.149	0.297	-0.297
6	-0.855	0.163	0.327	-0.327
7	-0.705	0.182	0.364	-0.364
8	-0.430	0.194	0.387	-0.387
9	0.025	0.198	0.395	-0.395
10	0.468	0.198	0.395	-0.395
11	0.734	0.202	0.405	-0.405
12	0.856	0.214	0.428	-0.428
13	0.751	0.228	0.457	-0.457
14	0.484	0.239	0.478	-0.478
15	0.025	0.243	0.486	-0.486

Lemon Bay Trends Appendix - Display 175
Correlogram for Surface Temperature at FDEP Station 56240SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 176

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56240SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.178	.004	.005	0.1

Lemon Bay Trends Appendix - Display 177

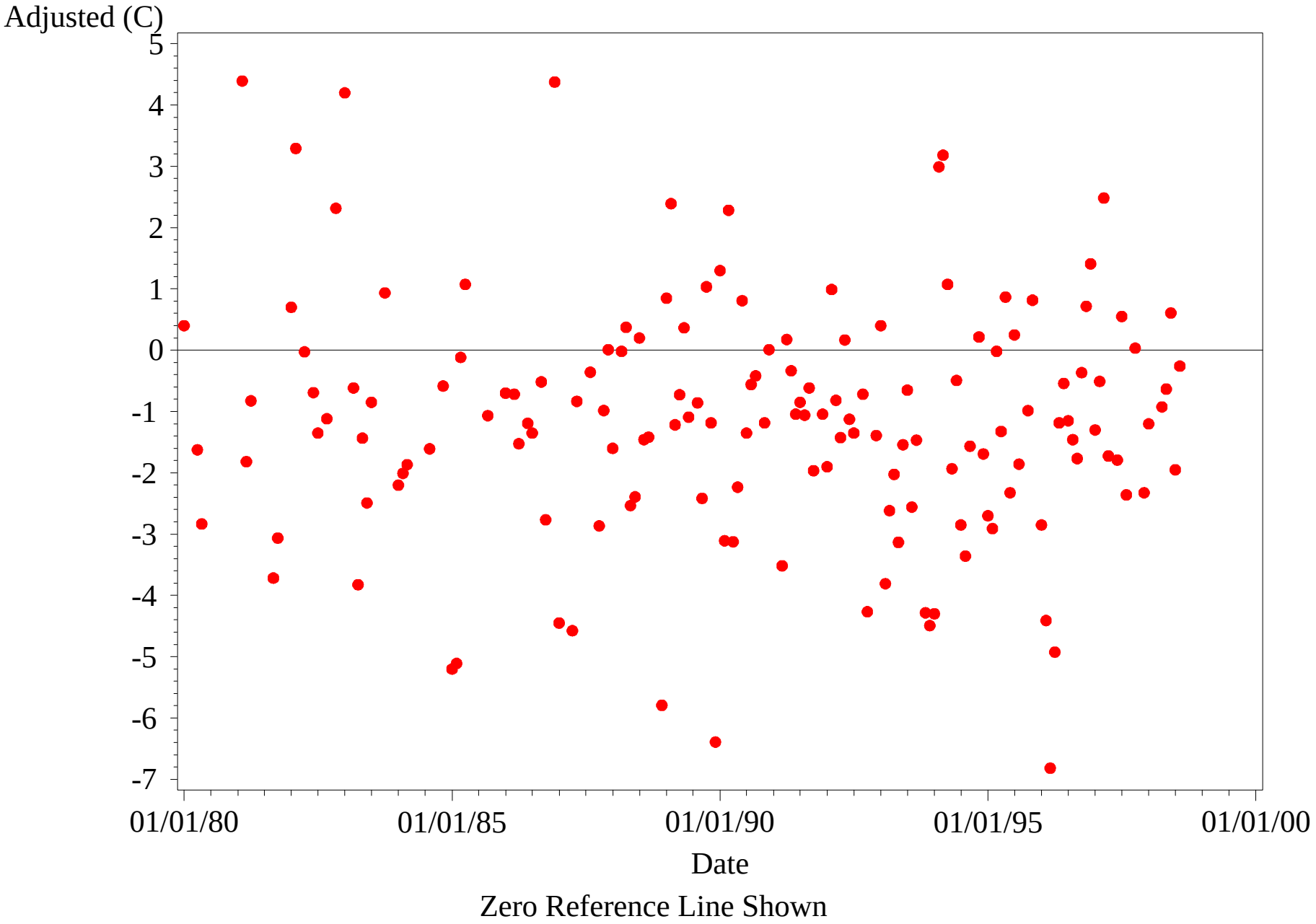
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56240SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.17846	.00376344	.00476384	0.1

Lemon Bay Trends Appendix - Display 178

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56240SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 179

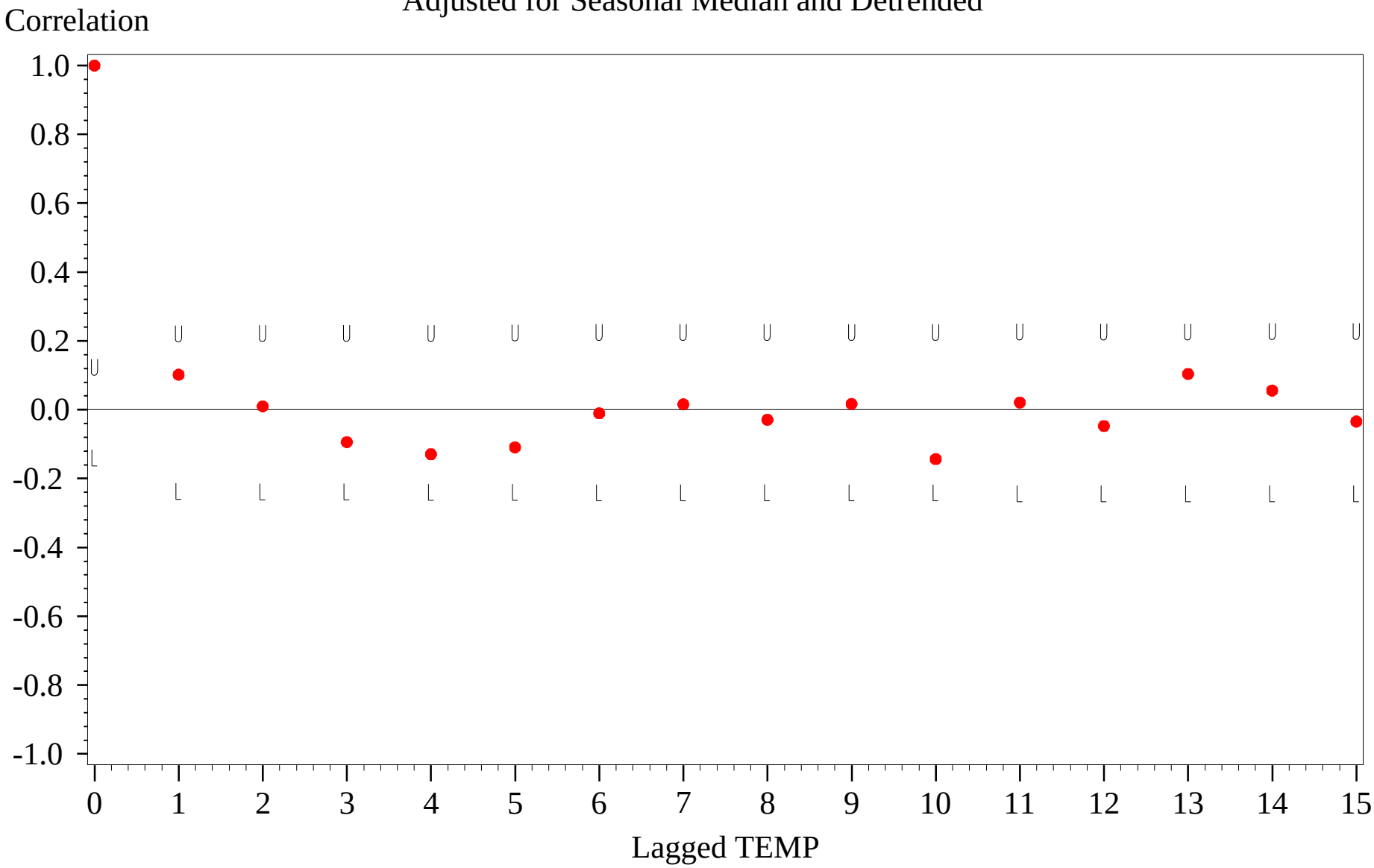
Autocorrelation Statistics for Surface Temperature at FDEP Station 56240SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.102	0.115	0.229	-0.229
2	0.010	0.115	0.230	-0.230
3	-0.094	0.115	0.230	-0.230
4	-0.129	0.115	0.231	-0.231
5	-0.109	0.116	0.232	-0.232
6	-0.010	0.117	0.233	-0.233
7	0.016	0.117	0.233	-0.233
8	-0.029	0.117	0.233	-0.233
9	0.017	0.117	0.233	-0.233
10	-0.143	0.117	0.233	-0.233
11	0.021	0.117	0.235	-0.235
12	-0.047	0.117	0.235	-0.235
13	0.104	0.117	0.235	-0.235
14	0.056	0.118	0.236	-0.236
15	-0.034	0.118	0.236	-0.236

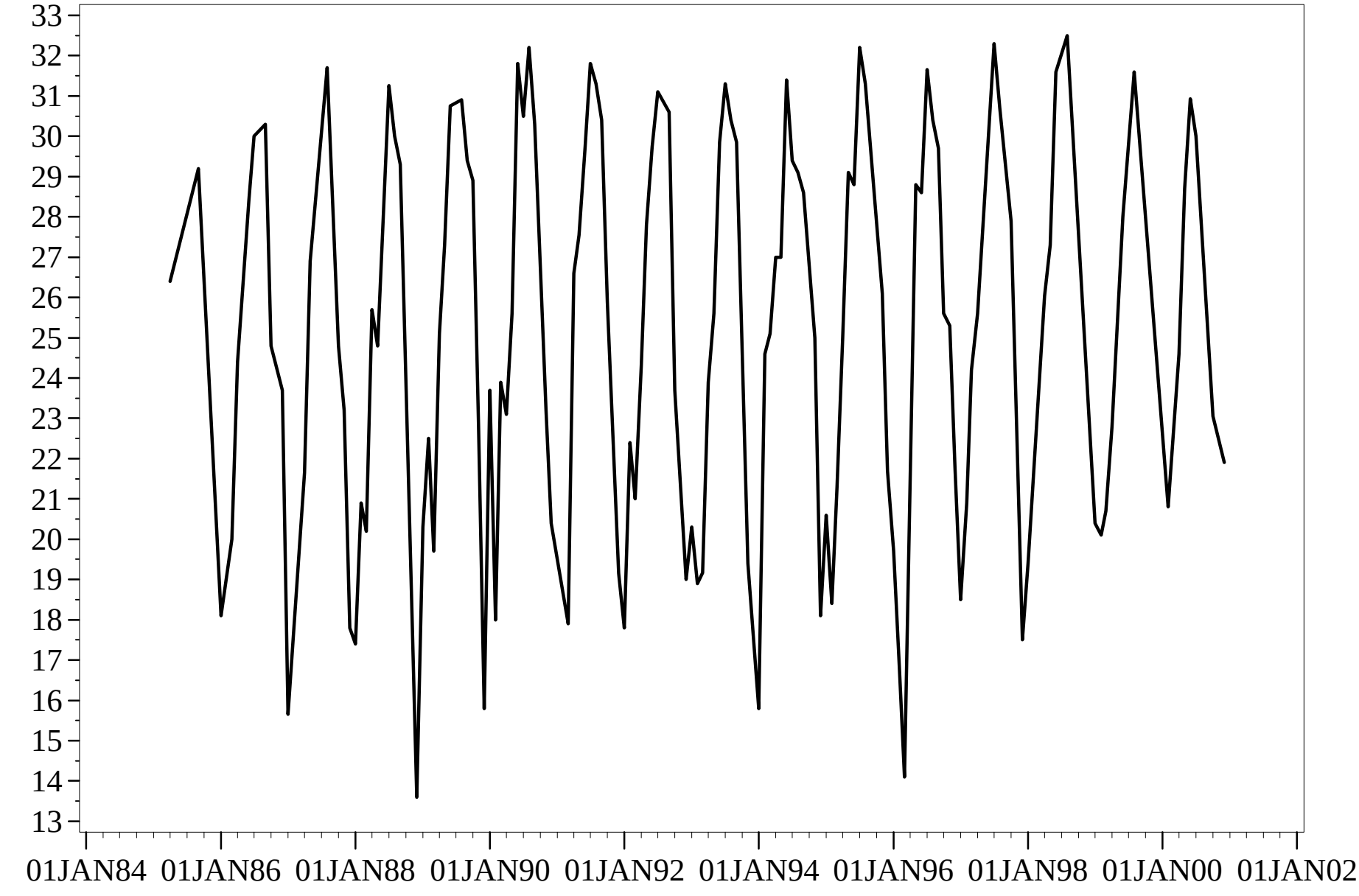
Lemon Bay Trends Appendix - Display 180
Correlogram for Surface Temperature at FDEP Station 56240SEAS

Adjusted for Seasonal Median and Detrended



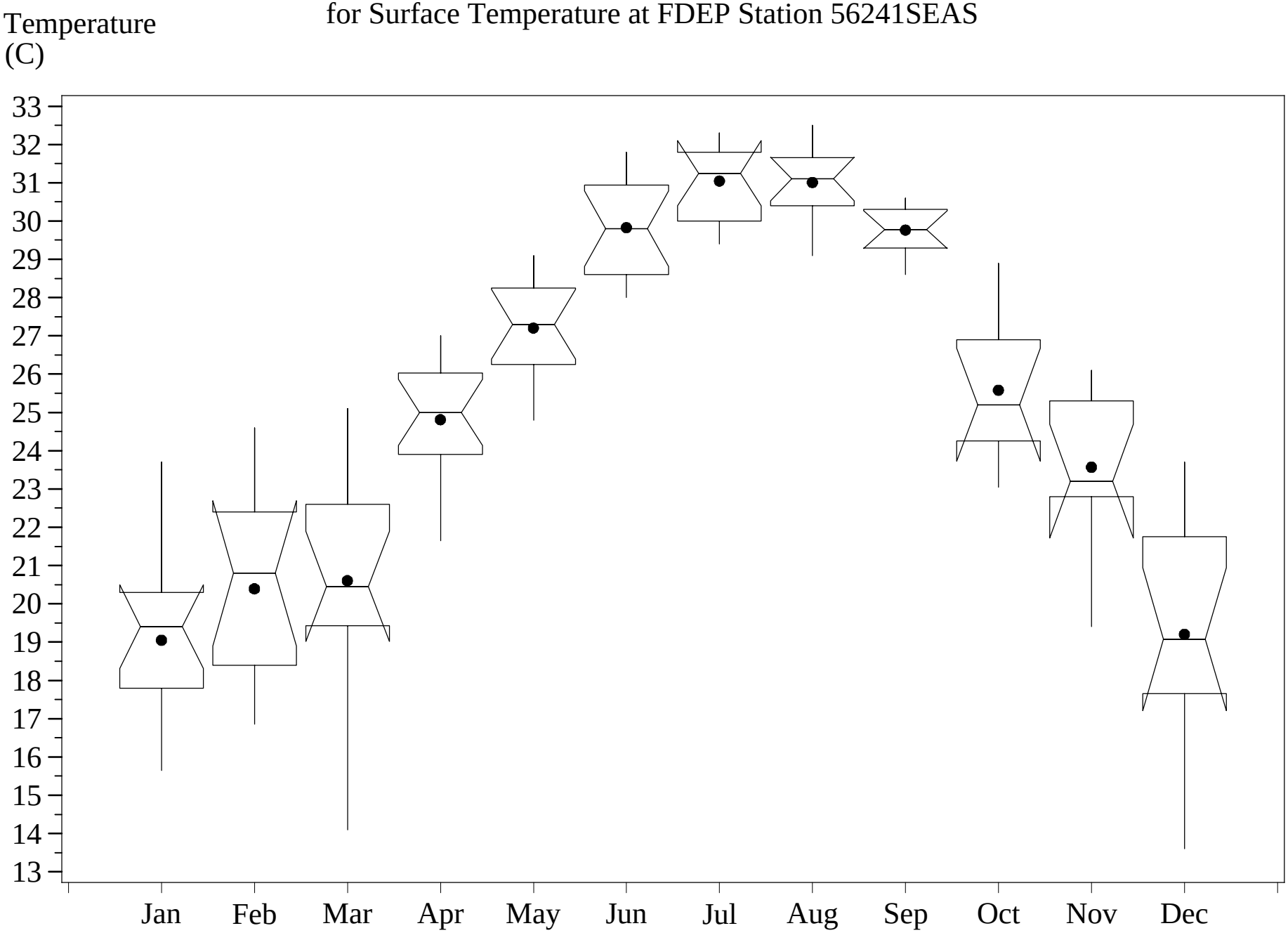
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 181
Monthly Data Time Series
for Surface Temperature at FDEP Station 56241SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 182

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56241SEAS



Lemon Bay Trends Appendix - Display 183

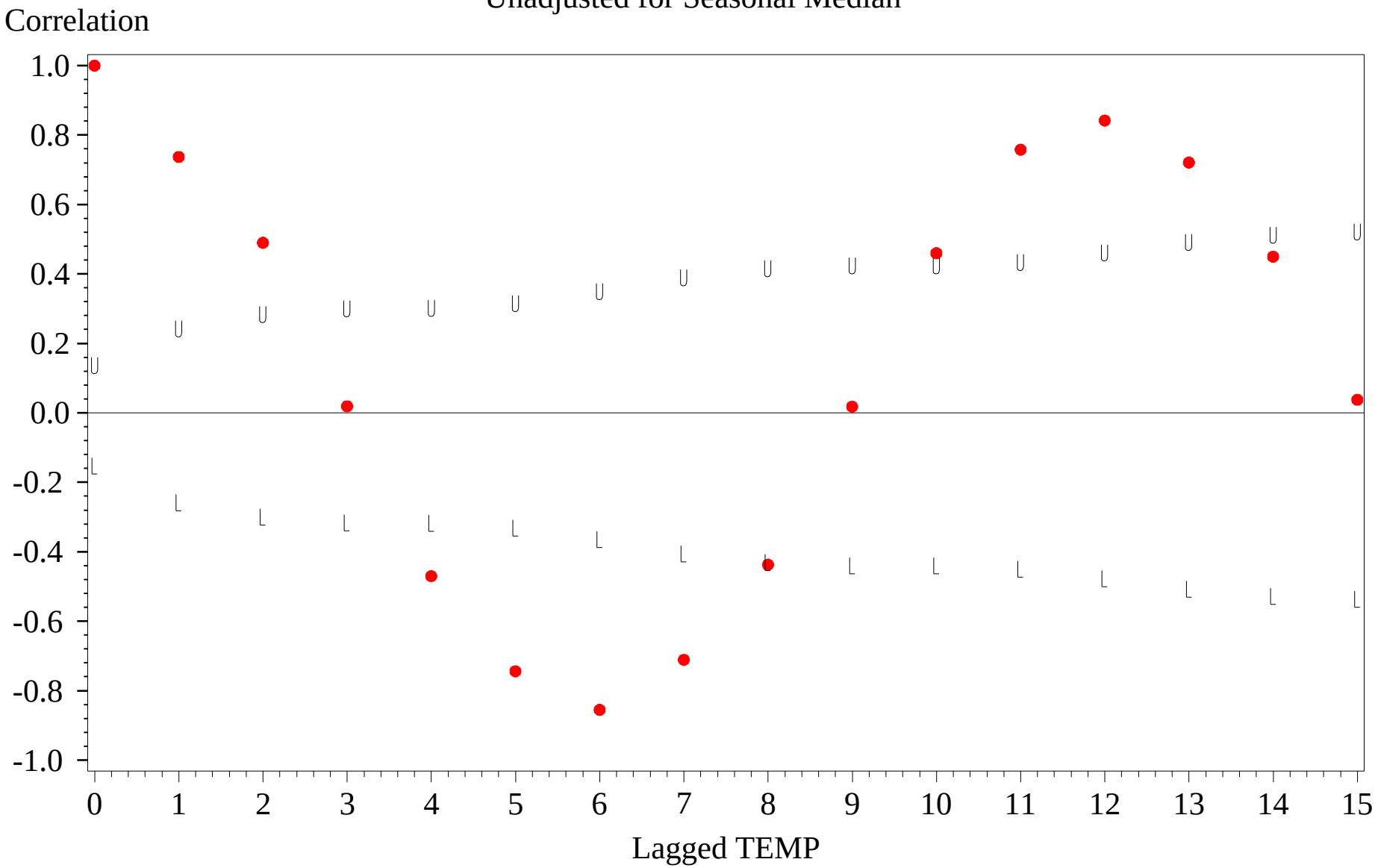
Autocorrelation Statistics for Surface Temperature at FDEP Station 56241SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.737	0.125	0.250	-0.250
2	0.490	0.146	0.292	-0.292
3	0.019	0.154	0.308	-0.308
4	-0.470	0.154	0.309	-0.309
5	-0.744	0.162	0.323	-0.323
6	-0.855	0.179	0.357	-0.357
7	-0.711	0.199	0.397	-0.397
8	-0.437	0.212	0.423	-0.423
9	0.018	0.216	0.432	-0.432
10	0.460	0.216	0.432	-0.432
11	0.758	0.221	0.442	-0.442
12	0.842	0.234	0.469	-0.469
13	0.721	0.250	0.499	-0.499
14	0.450	0.260	0.520	-0.520
15	0.038	0.264	0.529	-0.529

Lemon Bay Trends Appendix - Display 184
Correlogram for Surface Temperature at FDEP Station 56241SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 185

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56241SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.142	0.034	0.059	0.075

Lemon Bay Trends Appendix - Display 186

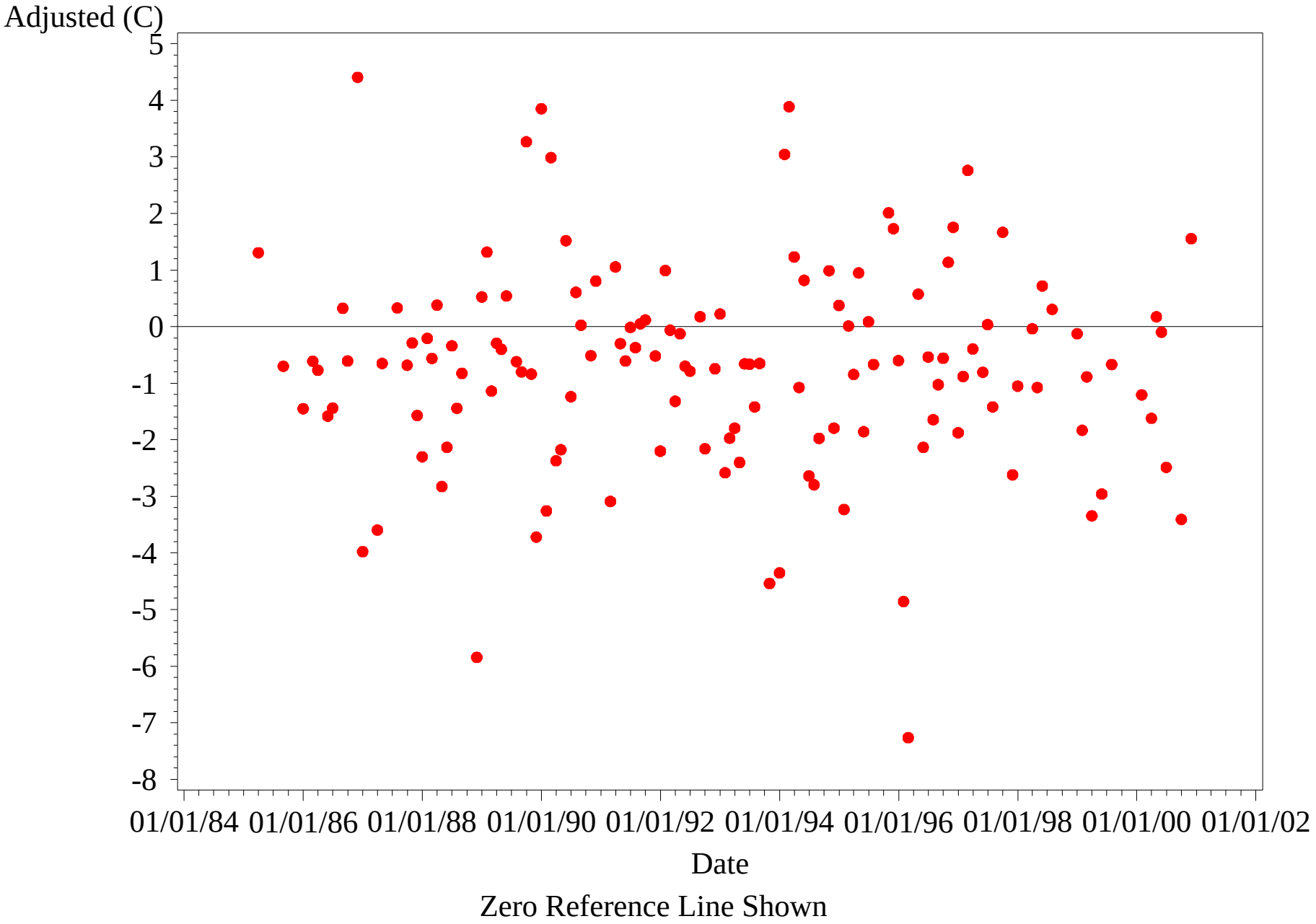
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56241SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14151	0.034321	0.059166	0.075

Lemon Bay Trends Appendix - Display 187

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56241SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 188

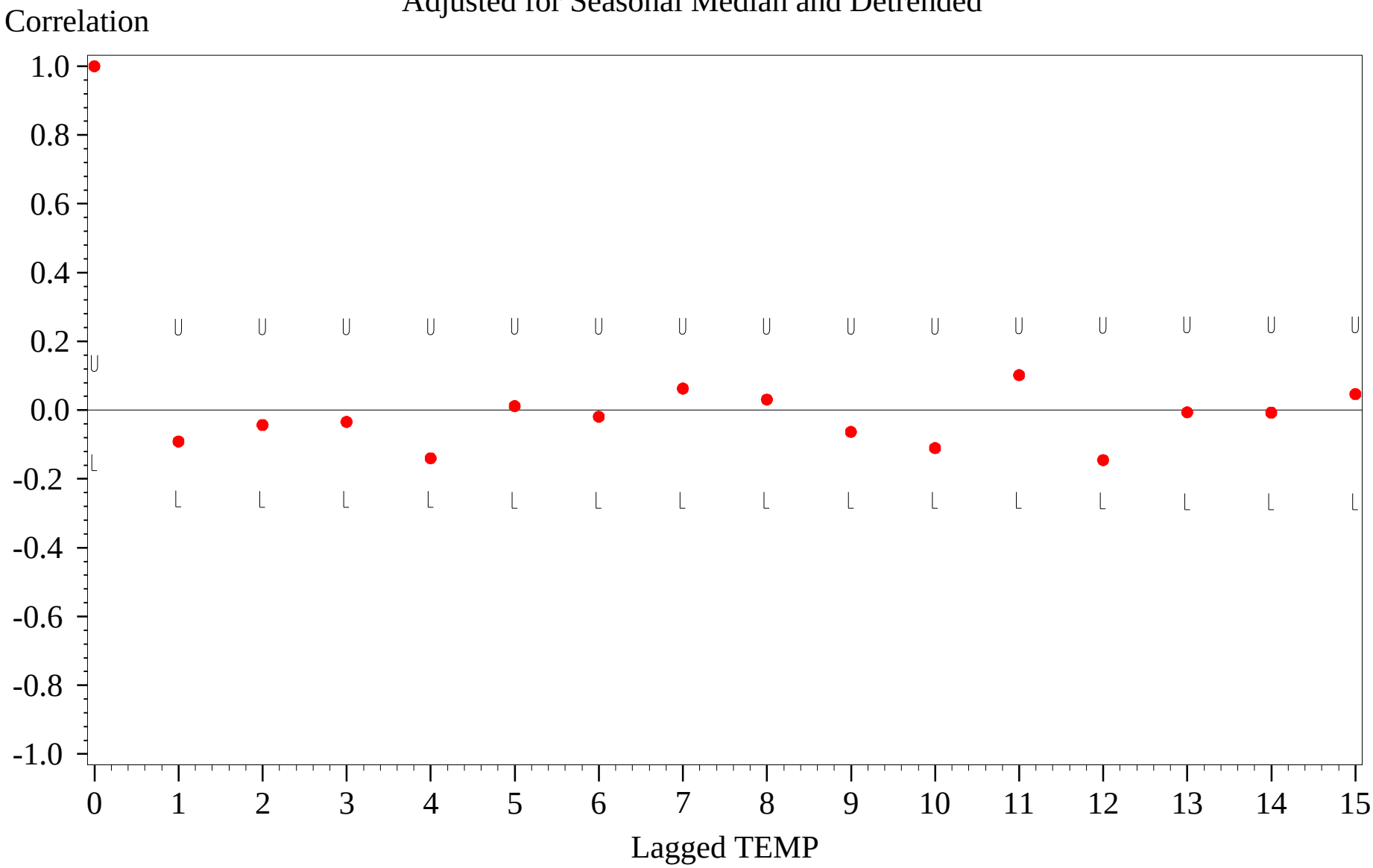
Autocorrelation Statistics for Surface Temperature at FDEP Station 56241SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	-0.091	0.125	0.250	-0.250
2	-0.043	0.125	0.251	-0.251
3	-0.034	0.125	0.251	-0.251
4	-0.140	0.125	0.251	-0.251
5	0.012	0.126	0.253	-0.253
6	-0.019	0.126	0.253	-0.253
7	0.063	0.126	0.253	-0.253
8	0.031	0.126	0.253	-0.253
9	-0.063	0.126	0.253	-0.253
10	-0.110	0.127	0.253	-0.253
11	0.102	0.127	0.254	-0.254
12	-0.145	0.128	0.255	-0.255
13	-0.006	0.128	0.257	-0.257
14	-0.007	0.128	0.257	-0.257
15	0.047	0.128	0.257	-0.257

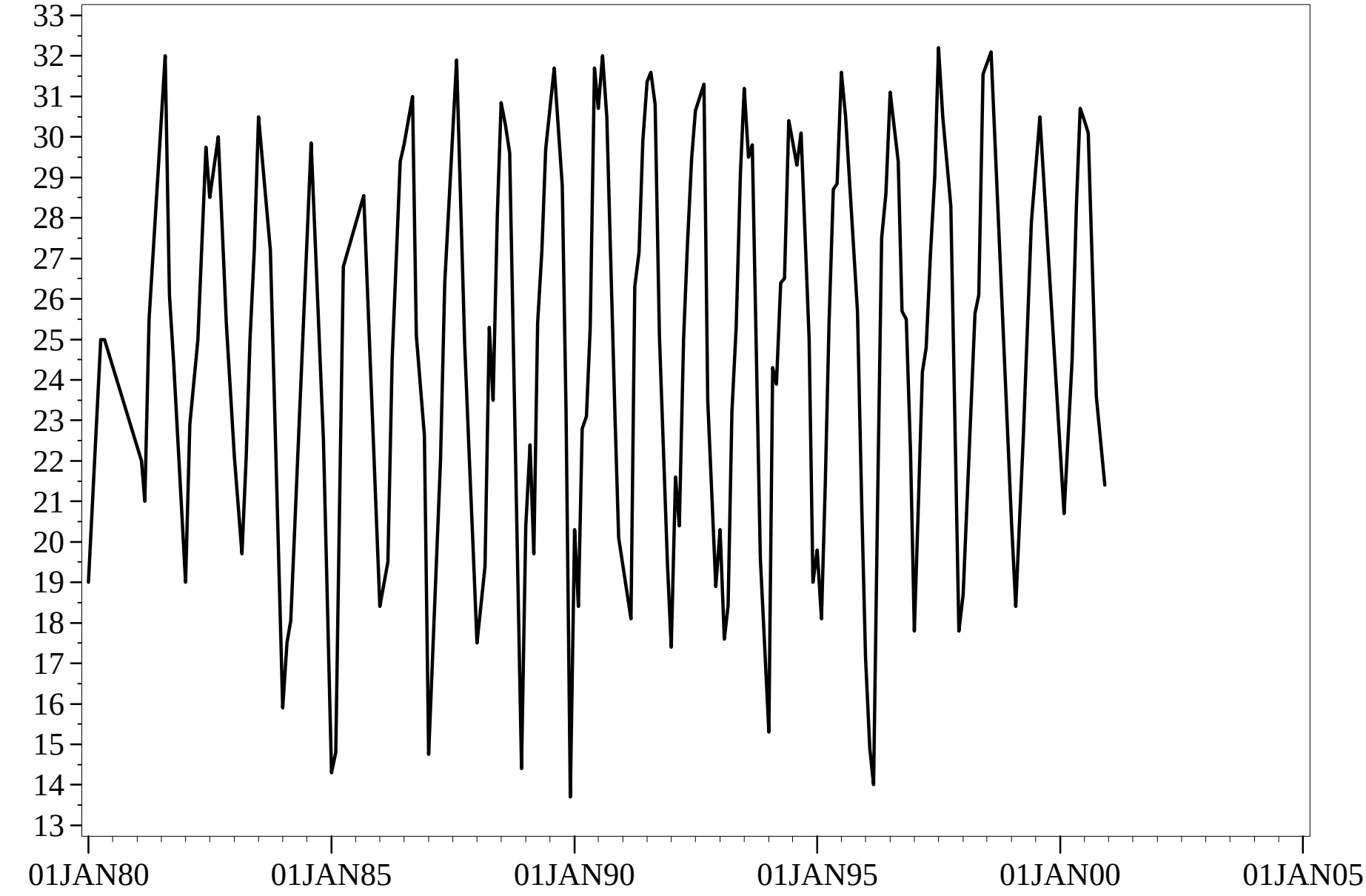
Lemon Bay Trends Appendix - Display 189
Correlogram for Surface Temperature at FDEP Station 56241SEAS

Adjusted for Seasonal Median and Detrended



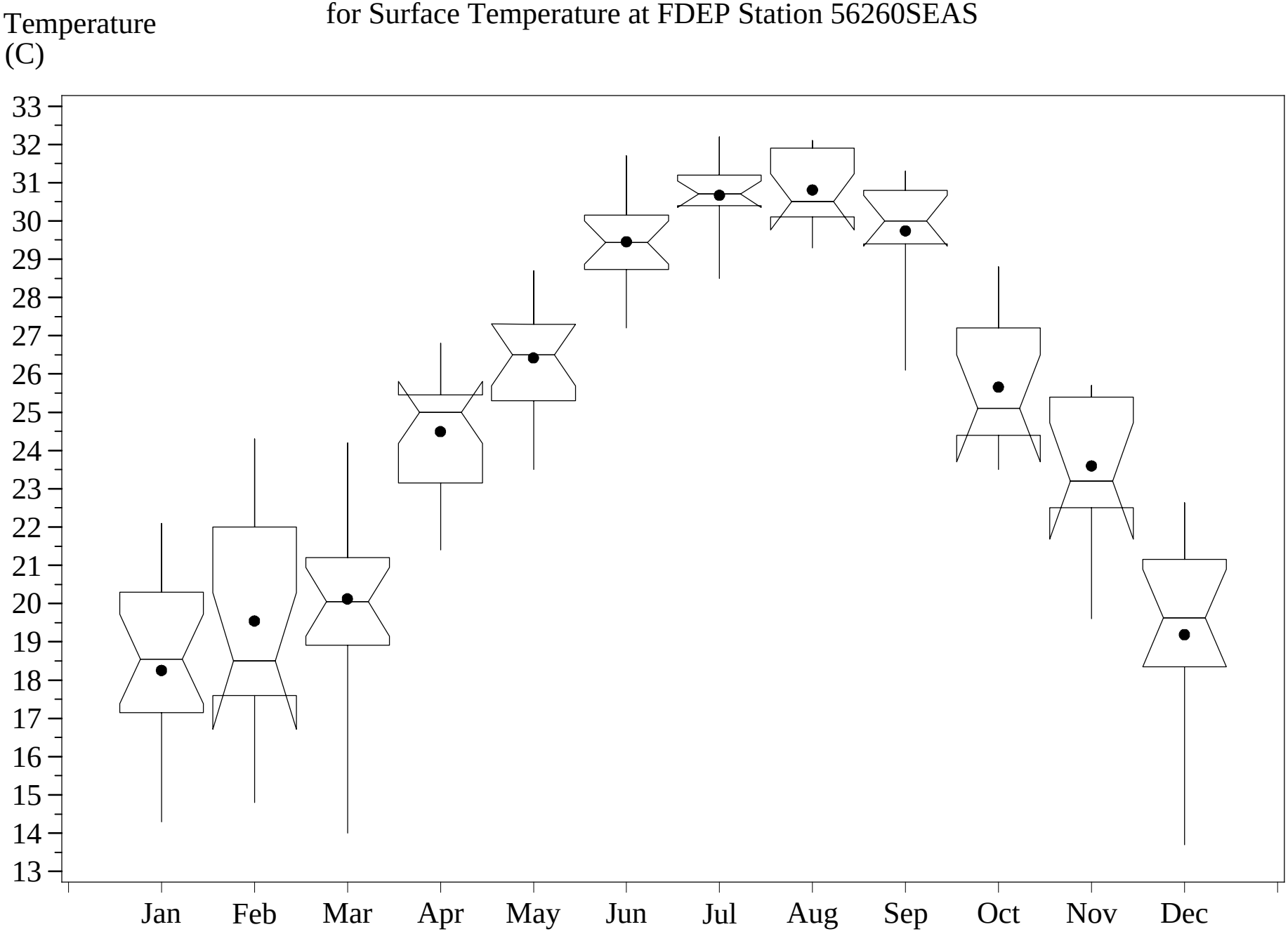
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 190
Monthly Data Time Series
for Surface Temperature at FDEP Station 56260SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 191

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56260SEAS



Lemon Bay Trends Appendix - Display 192

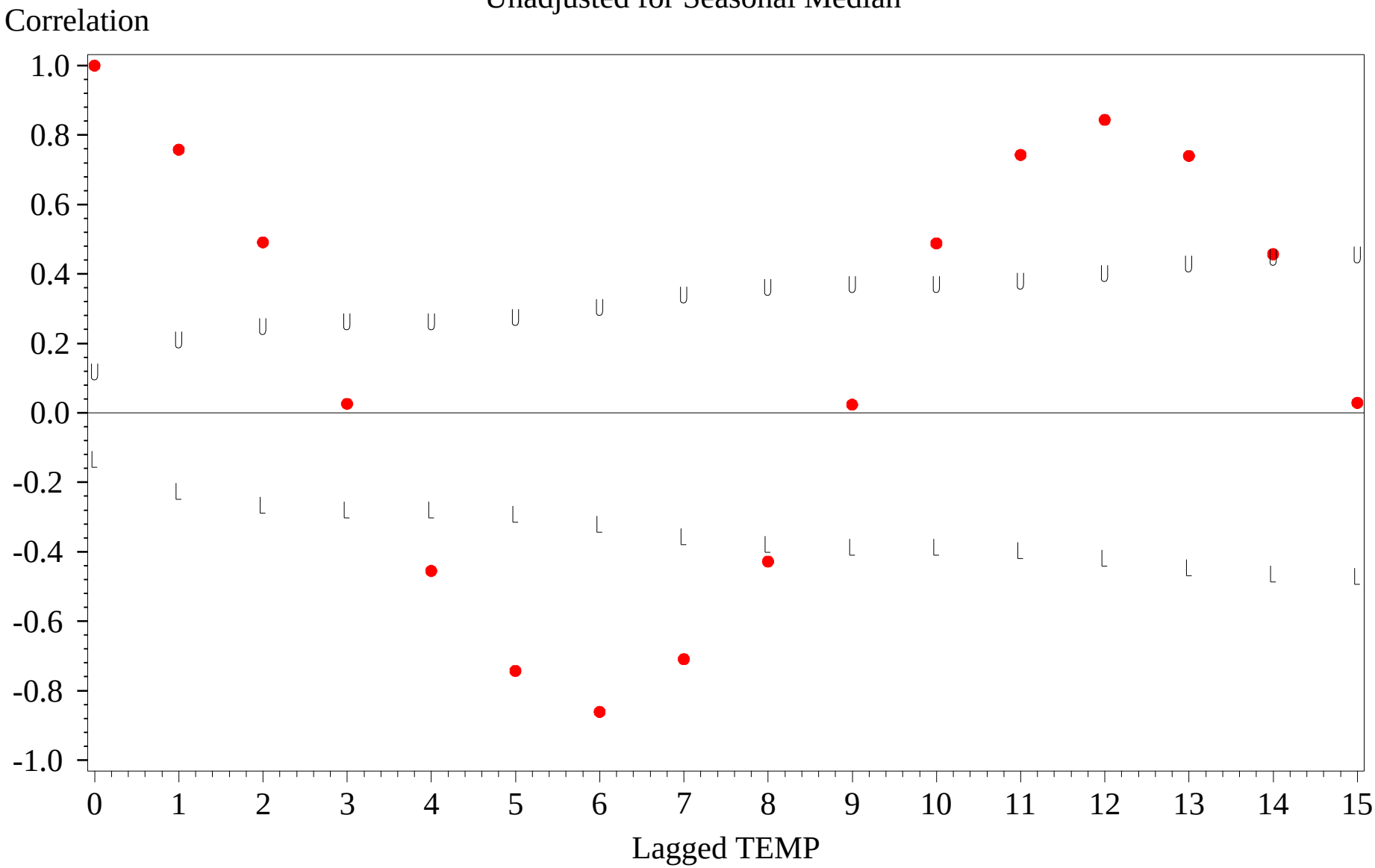
Autocorrelation Statistics for Surface Temperature at FDEP Station 56260SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.758	0.109	0.218	-0.218
2	0.491	0.128	0.257	-0.257
3	0.026	0.136	0.271	-0.271
4	-0.455	0.136	0.271	-0.271
5	-0.743	0.142	0.283	-0.283
6	-0.861	0.156	0.312	-0.312
7	-0.709	0.174	0.348	-0.348
8	-0.428	0.185	0.370	-0.370
9	0.024	0.189	0.378	-0.378
10	0.488	0.189	0.378	-0.378
11	0.743	0.194	0.388	-0.388
12	0.844	0.205	0.410	-0.410
13	0.740	0.218	0.437	-0.437
14	0.457	0.228	0.456	-0.456
15	0.029	0.232	0.463	-0.463

Lemon Bay Trends Appendix - Display 193
Correlogram for Surface Temperature at FDEP Station 56260SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 194

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56260SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.08	0.175	0.264	0.033

Lemon Bay Trends Appendix - Display 195

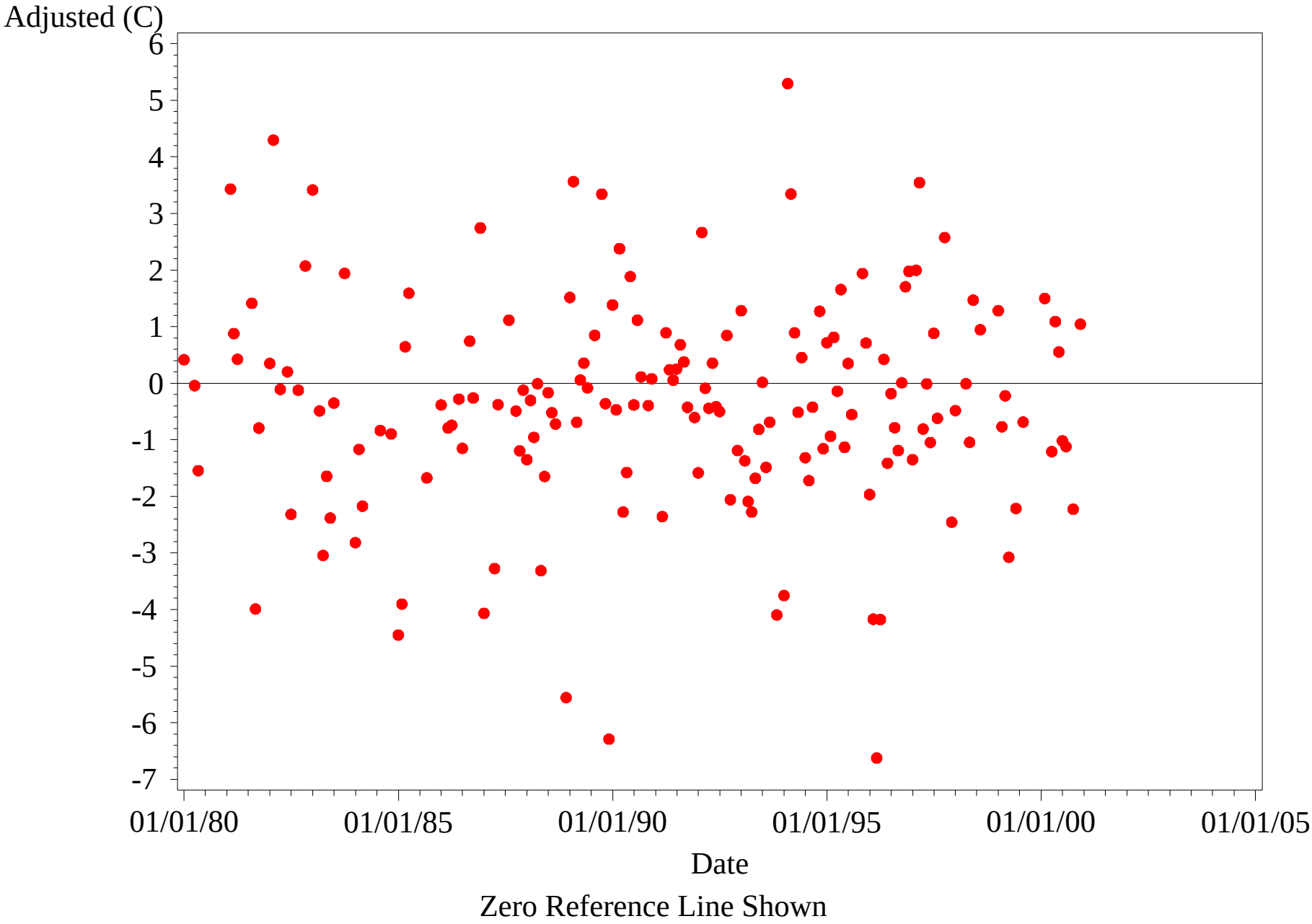
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56260SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.079796	0.17505	0.26422	0.033333

Lemon Bay Trends Appendix - Display 196

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56260SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 197

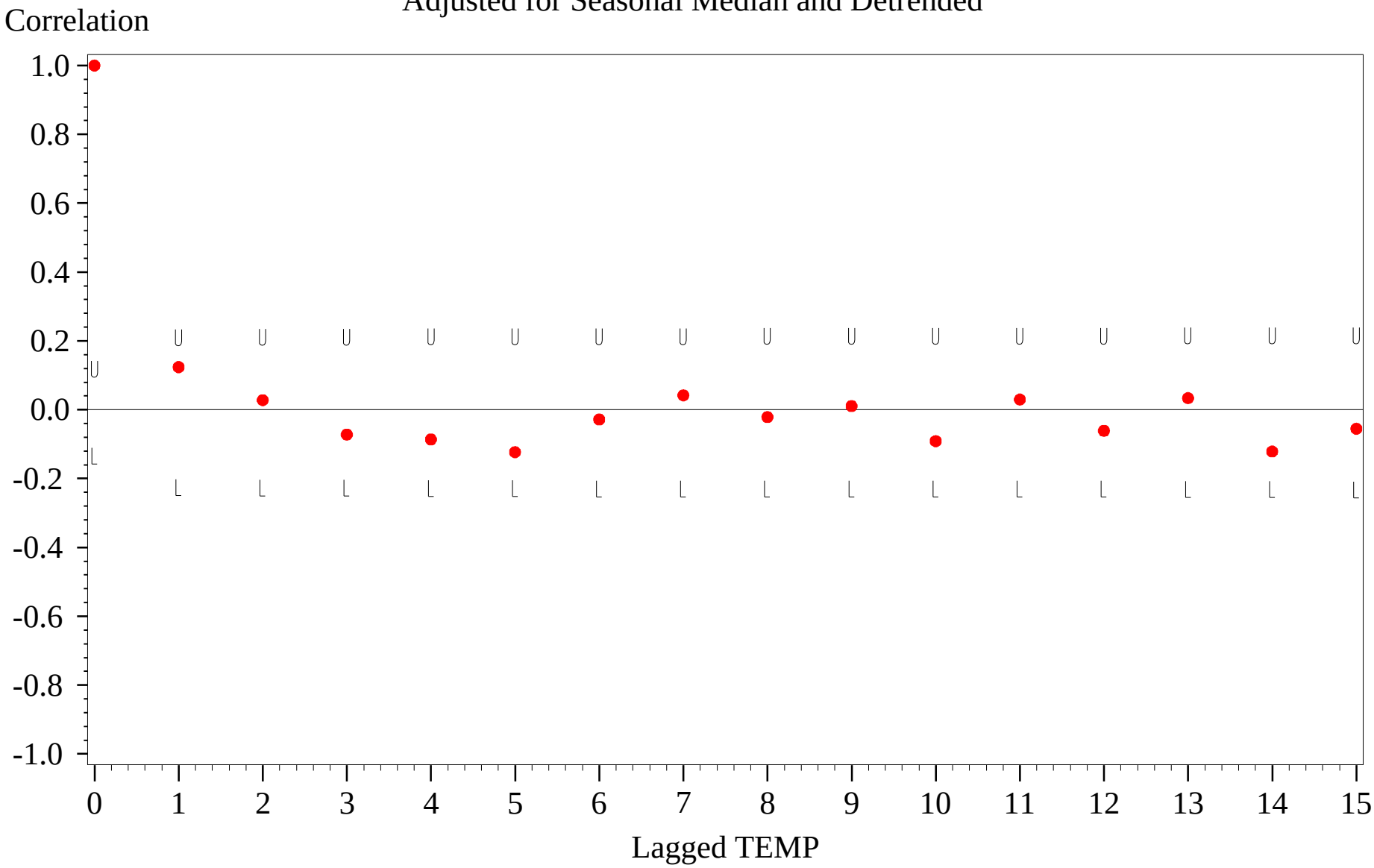
Autocorrelation Statistics for Surface Temperature at FDEP Station 56260SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.124	0.109	0.218	-0.218
2	0.028	0.110	0.219	-0.219
3	-0.072	0.110	0.219	-0.219
4	-0.086	0.110	0.220	-0.220
5	-0.123	0.110	0.220	-0.220
6	-0.028	0.111	0.221	-0.221
7	0.042	0.111	0.221	-0.221
8	-0.021	0.111	0.222	-0.222
9	0.011	0.111	0.222	-0.222
10	-0.091	0.111	0.222	-0.222
11	0.030	0.111	0.222	-0.222
12	-0.061	0.111	0.222	-0.222
13	0.034	0.111	0.223	-0.223
14	-0.121	0.111	0.223	-0.223
15	-0.055	0.112	0.224	-0.224

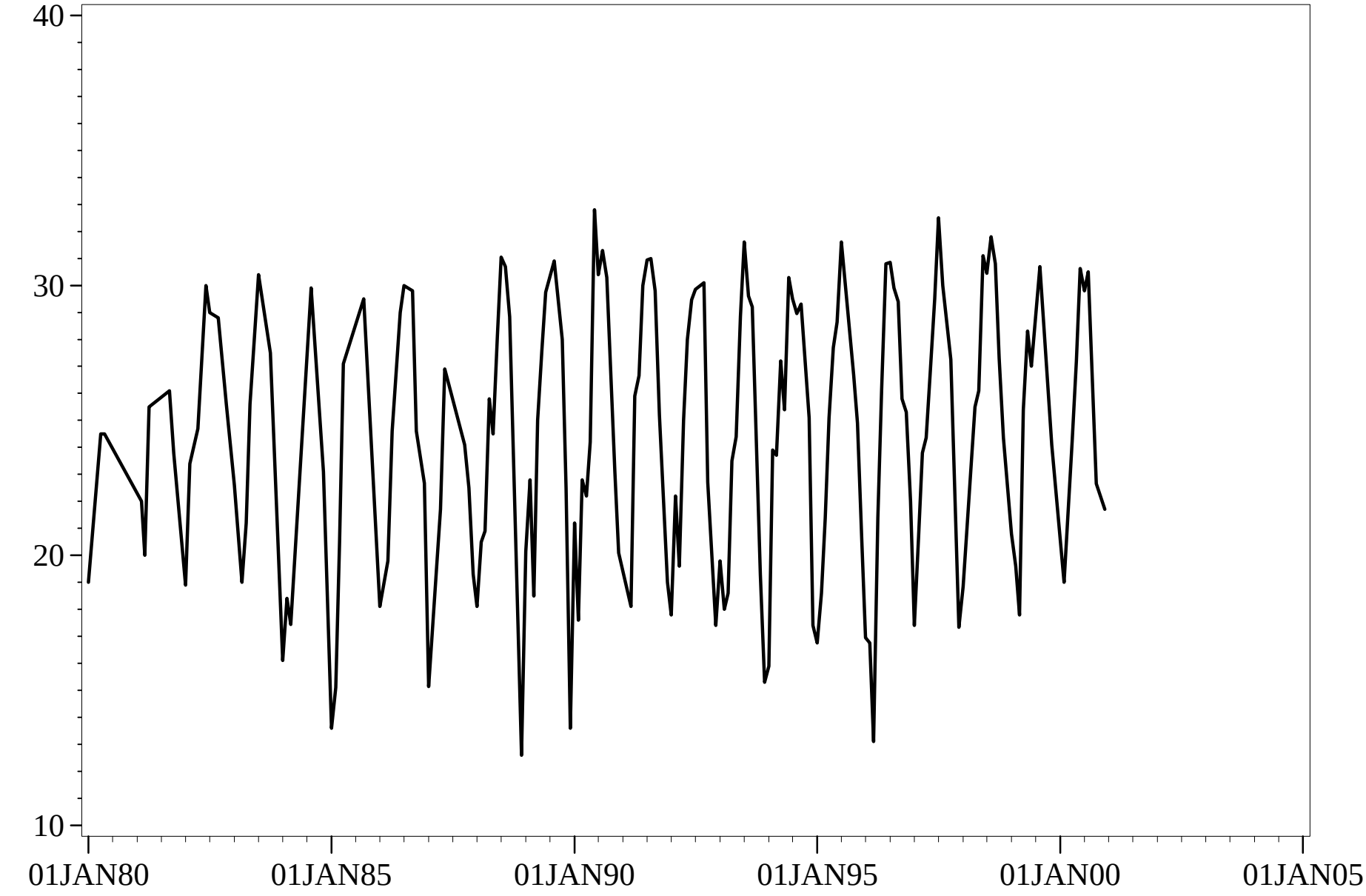
Lemon Bay Trends Appendix - Display 198
Correlogram for Surface Temperature at FDEP Station 56260SEAS

Adjusted for Seasonal Median and Detrended



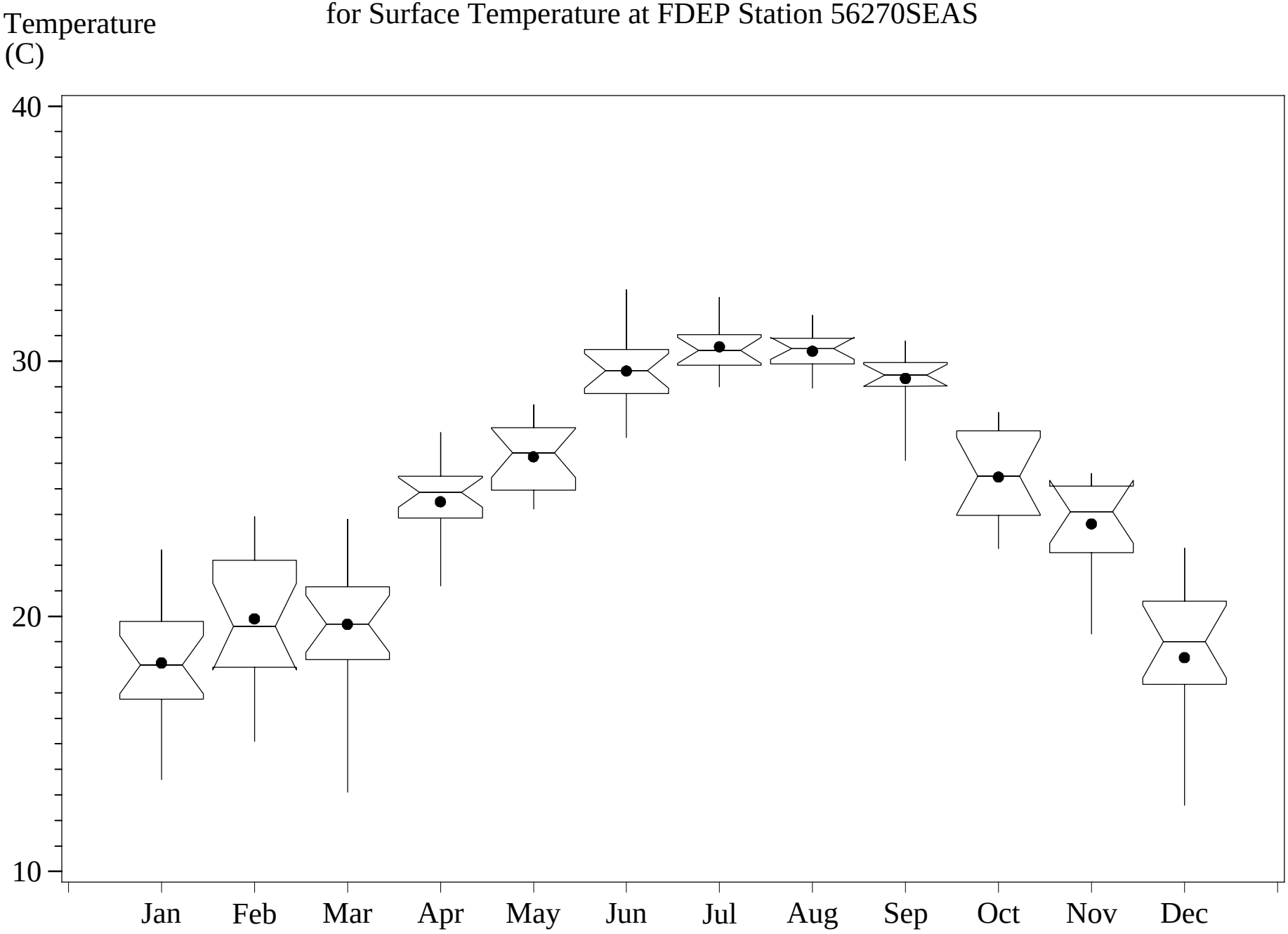
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 199
Monthly Data Time Series
for Surface Temperature at FDEP Station 56270SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 200

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56270SEAS



Lemon Bay Trends Appendix - Display 201

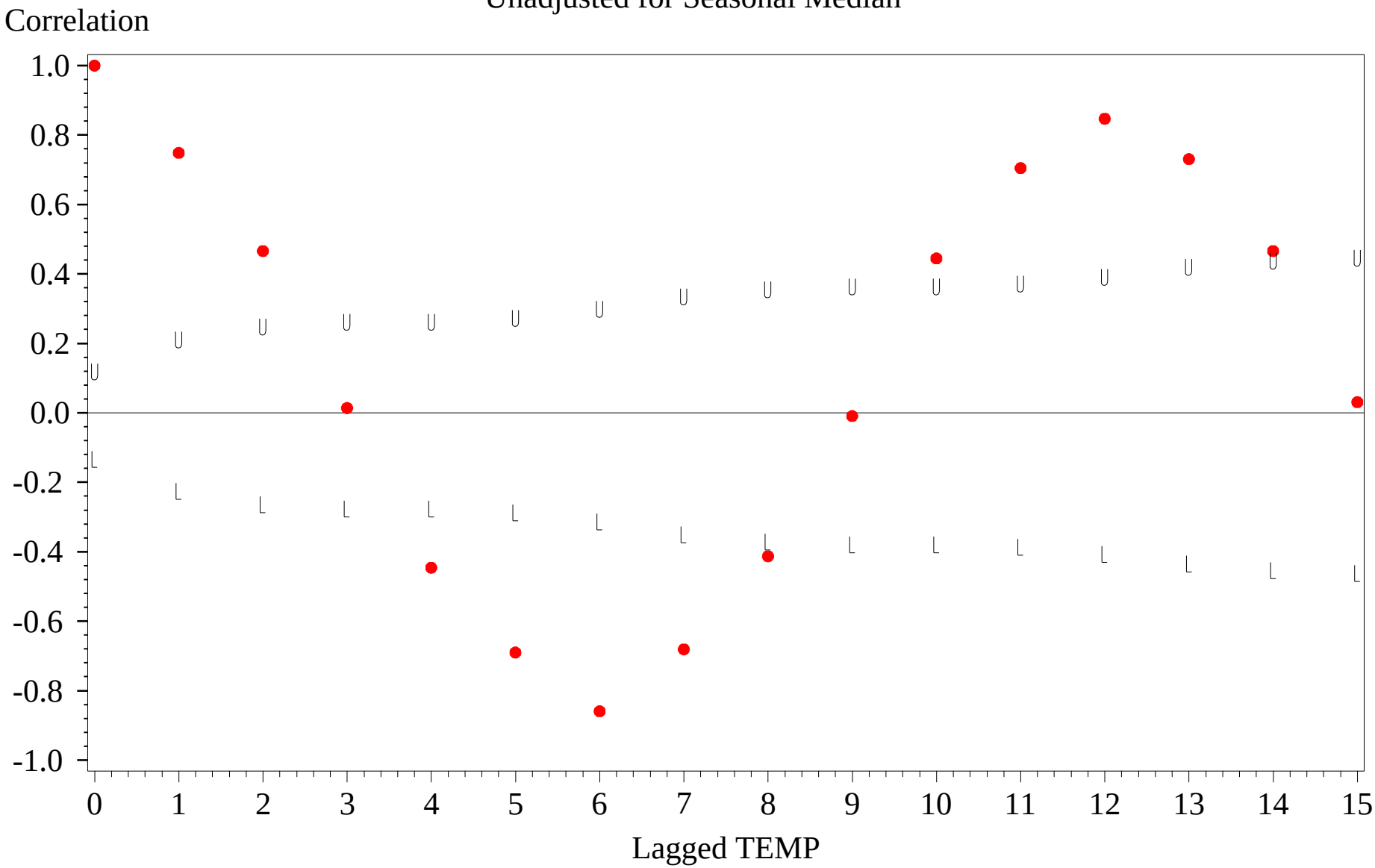
Autocorrelation Statistics for Surface Temperature at FDEP Station 56270SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.749	0.109	0.218	-0.218
2	0.466	0.128	0.256	-0.256
3	0.014	0.134	0.269	-0.269
4	-0.446	0.134	0.269	-0.269
5	-0.690	0.140	0.280	-0.280
6	-0.859	0.153	0.306	-0.306
7	-0.681	0.171	0.342	-0.342
8	-0.413	0.182	0.363	-0.363
9	-0.009	0.185	0.371	-0.371
10	0.445	0.185	0.371	-0.371
11	0.705	0.189	0.379	-0.379
12	0.847	0.200	0.399	-0.399
13	0.731	0.213	0.427	-0.427
14	0.466	0.223	0.446	-0.446
15	0.031	0.227	0.454	-0.454

Lemon Bay Trends Appendix - Display 202
Correlogram for Surface Temperature at FDEP Station 56270SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 203

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56270SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.101	0.077	0.074	0.05

Lemon Bay Trends Appendix - Display 204

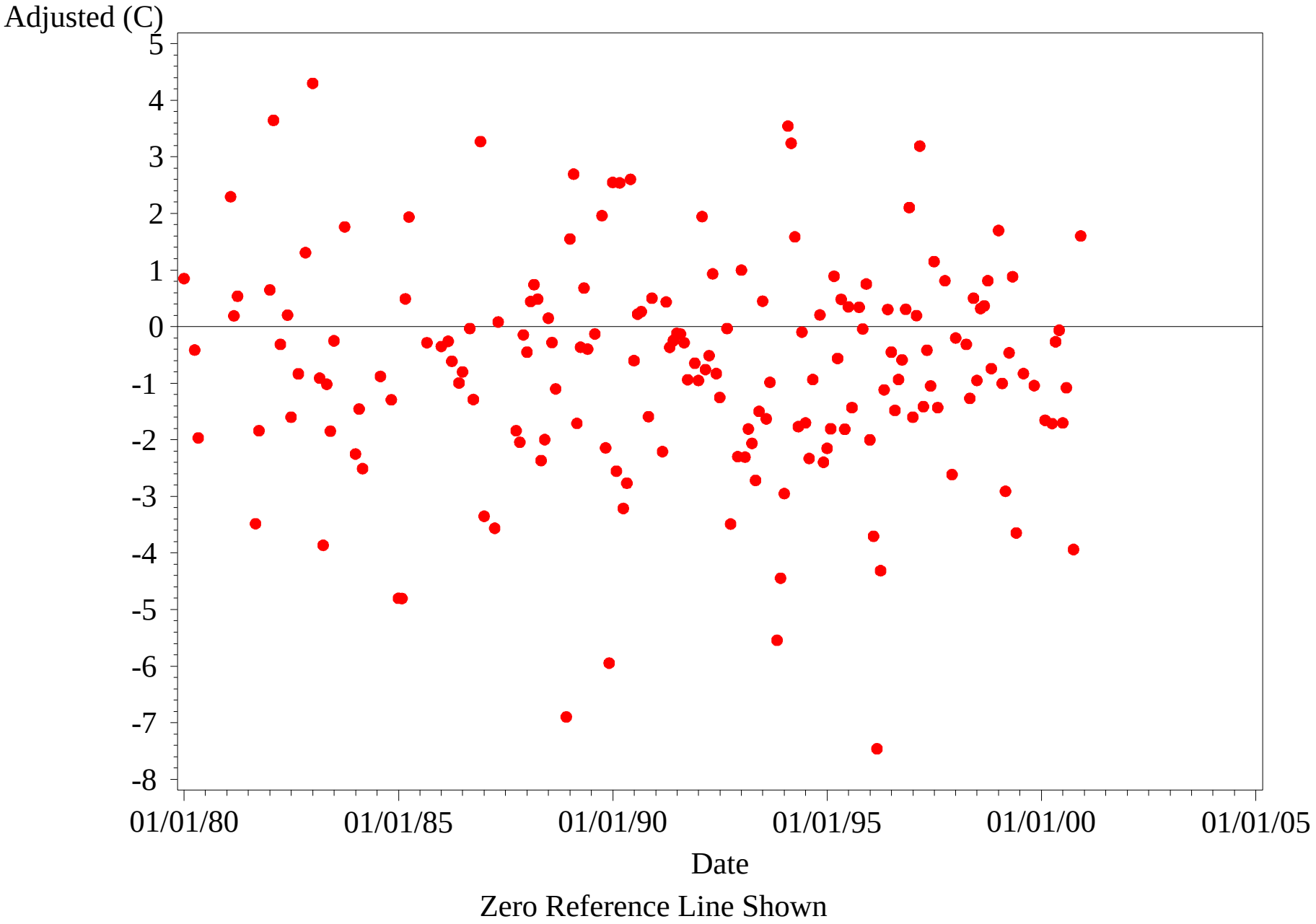
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56270SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.10145	0.076509	0.074067	0.05

Lemon Bay Trends Appendix - Display 205

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56270SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 206

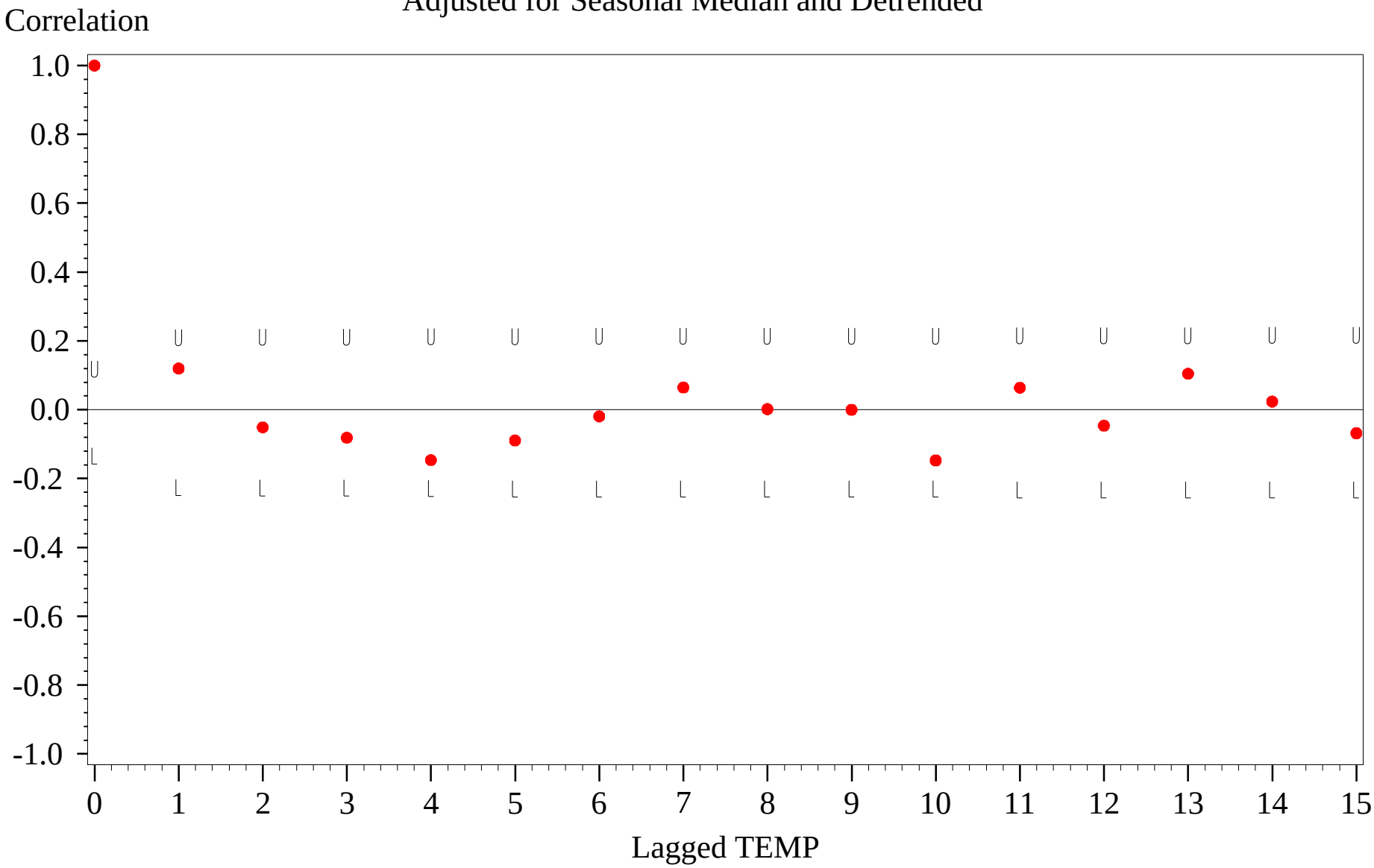
Autocorrelation Statistics for Surface Temperature at FDEP Station 56270SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.120	0.109	0.218	-0.218
2	-0.051	0.110	0.219	-0.219
3	-0.081	0.110	0.219	-0.219
4	-0.146	0.110	0.220	-0.220
5	-0.089	0.111	0.221	-0.221
6	-0.019	0.111	0.222	-0.222
7	0.065	0.111	0.222	-0.222
8	0.002	0.111	0.222	-0.222
9	0.000	0.111	0.222	-0.222
10	-0.147	0.111	0.222	-0.222
11	0.064	0.112	0.224	-0.224
12	-0.046	0.112	0.224	-0.224
13	0.105	0.112	0.224	-0.224
14	0.024	0.113	0.225	-0.225
15	-0.068	0.113	0.225	-0.225

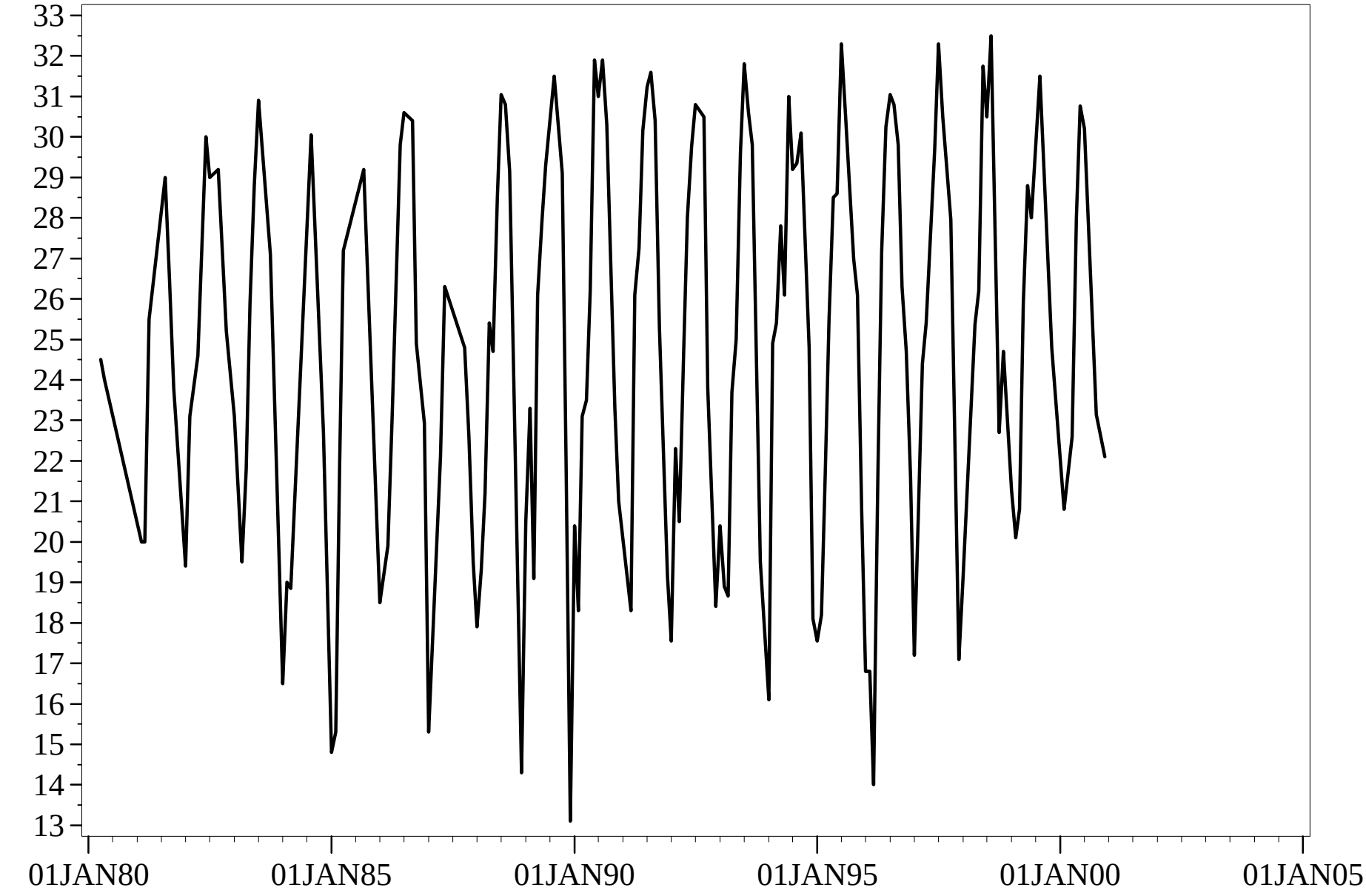
Lemon Bay Trends Appendix - Display 207
Correlogram for Surface Temperature at FDEP Station 56270SEAS

Adjusted for Seasonal Median and Detrended



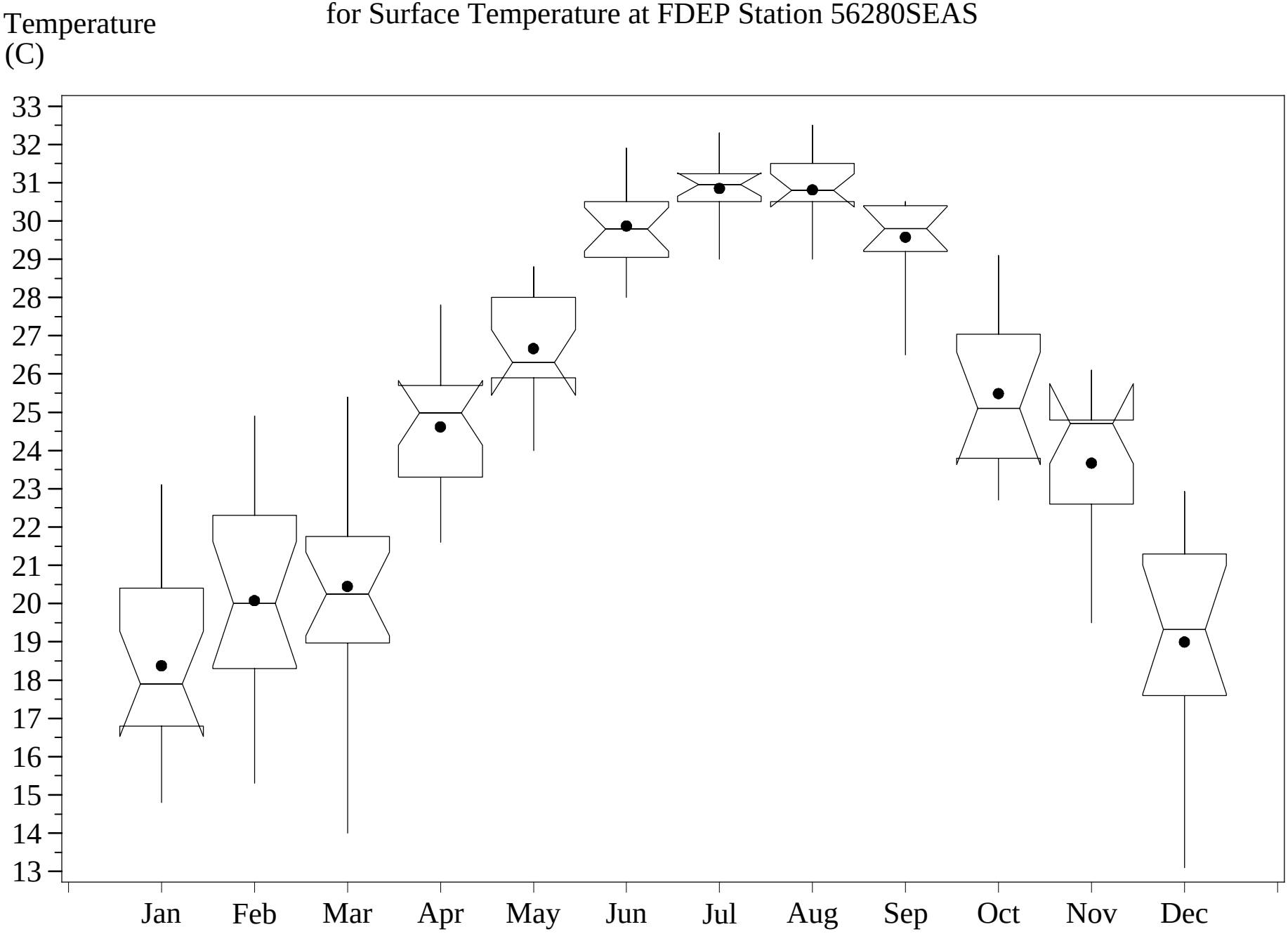
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 208
Monthly Data Time Series
for Surface Temperature at FDEP Station 56280SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 209

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56280SEAS



Lemon Bay Trends Appendix - Display 210

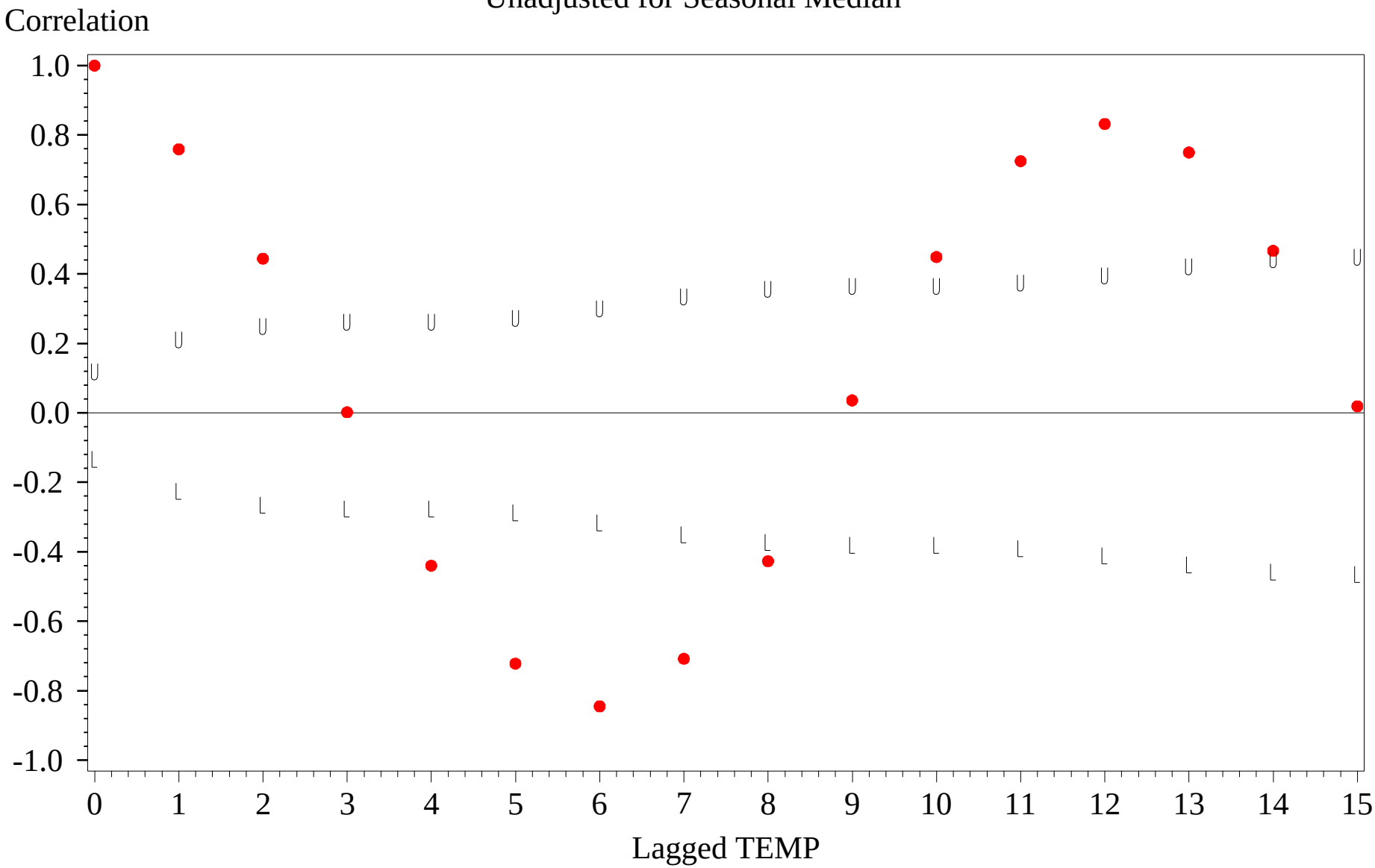
Autocorrelation Statistics for Surface Temperature at FDEP Station 56280SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.759	0.109	0.218	-0.218
2	0.444	0.128	0.257	-0.257
3	0.002	0.134	0.269	-0.269
4	-0.440	0.134	0.269	-0.269
5	-0.722	0.140	0.280	-0.280
6	-0.845	0.154	0.308	-0.308
7	-0.708	0.171	0.343	-0.343
8	-0.427	0.183	0.365	-0.365
9	0.036	0.187	0.373	-0.373
10	0.449	0.187	0.373	-0.373
11	0.725	0.191	0.382	-0.382
12	0.832	0.201	0.403	-0.403
13	0.750	0.215	0.429	-0.429
14	0.467	0.225	0.450	-0.450
15	0.019	0.229	0.457	-0.457

Lemon Bay Trends Appendix - Display 211
Correlogram for Surface Temperature at FDEP Station 56280SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 212

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56280SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12	0.039	0.04	0.064

Lemon Bay Trends Appendix - Display 213

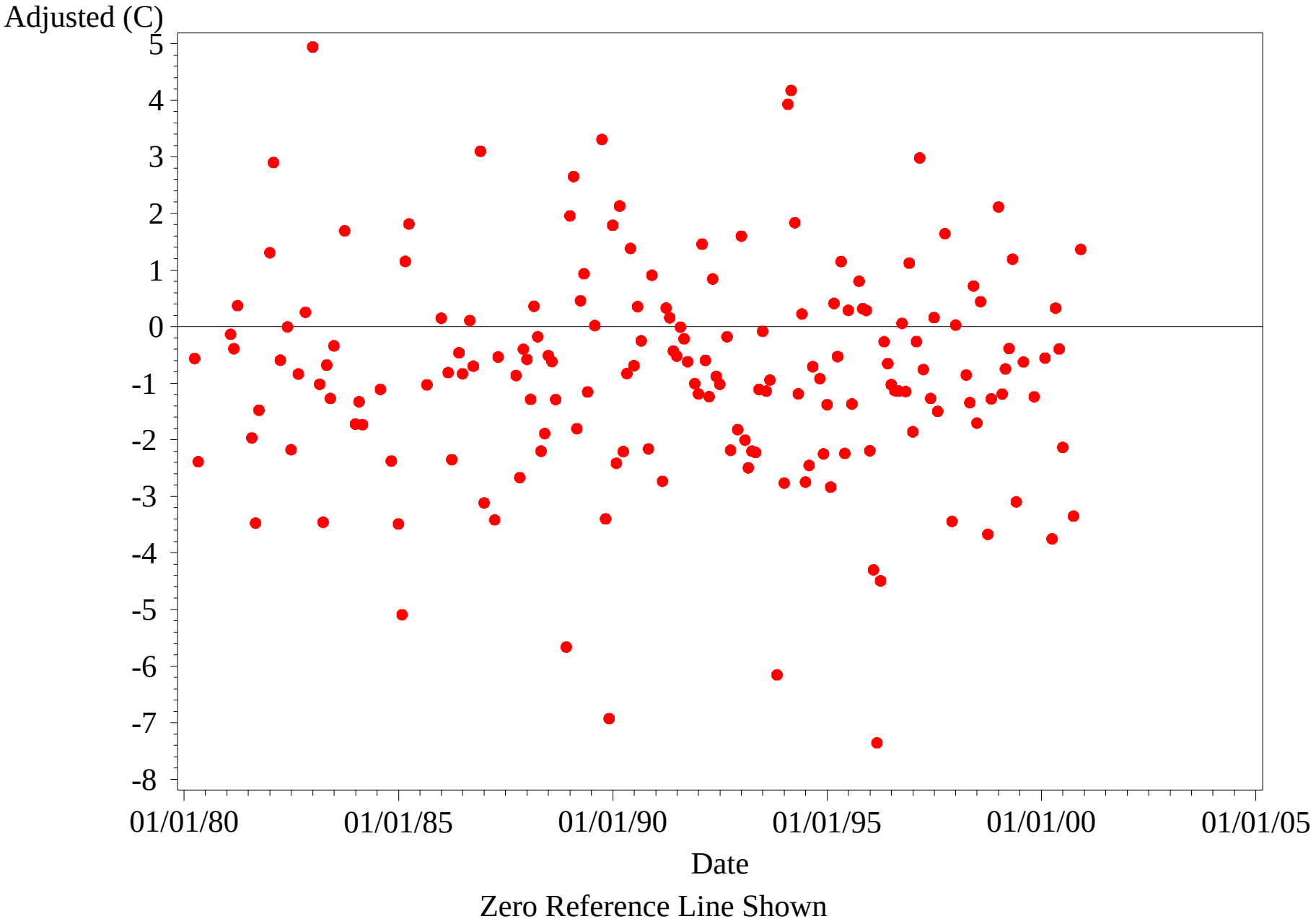
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56280SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.11963	0.039323	0.040236	0.064286

Lemon Bay Trends Appendix - Display 214

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 56280SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 215

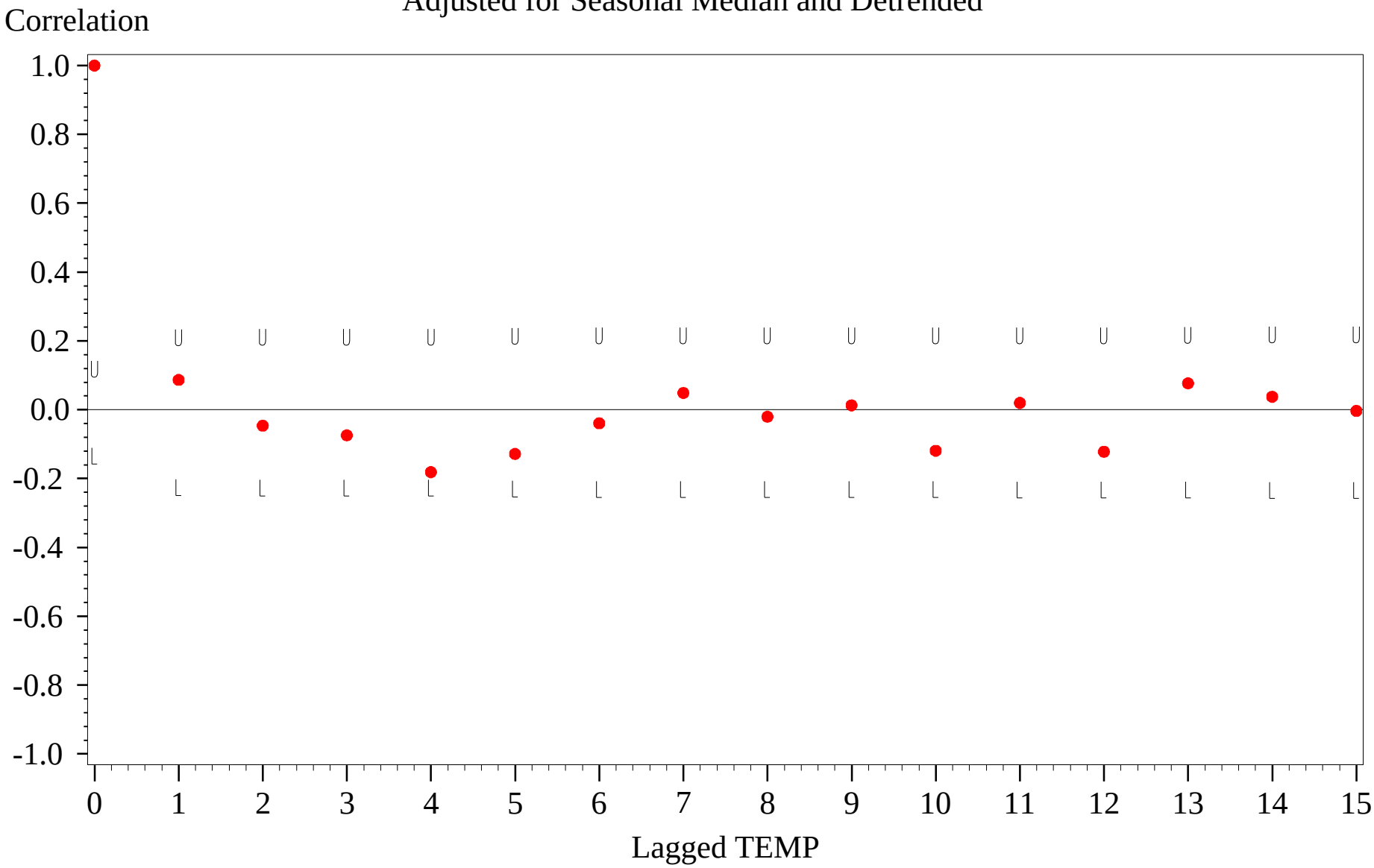
Autocorrelation Statistics for Surface Temperature at FDEP Station 56280SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.087	0.109	0.218	-0.218
2	-0.046	0.109	0.219	-0.219
3	-0.074	0.109	0.219	-0.219
4	-0.181	0.110	0.219	-0.219
5	-0.128	0.111	0.222	-0.222
6	-0.039	0.111	0.223	-0.223
7	0.049	0.111	0.223	-0.223
8	-0.020	0.112	0.223	-0.223
9	0.013	0.112	0.223	-0.223
10	-0.119	0.112	0.223	-0.223
11	0.020	0.112	0.224	-0.224
12	-0.122	0.112	0.224	-0.224
13	0.077	0.113	0.225	-0.225
14	0.038	0.113	0.226	-0.226
15	-0.003	0.113	0.226	-0.226

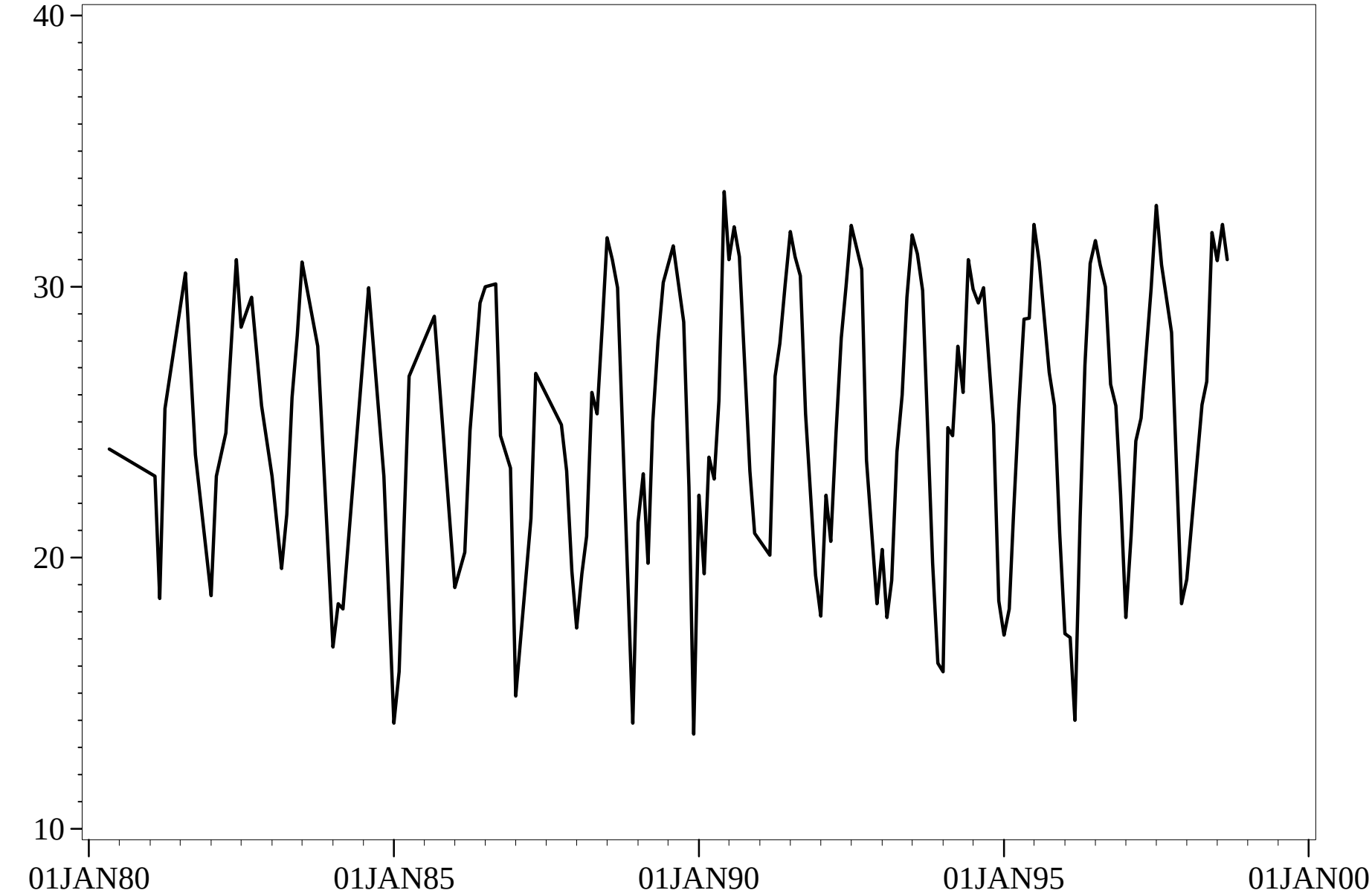
Lemon Bay Trends Appendix - Display 216
Correlogram for Surface Temperature at FDEP Station 56280SEAS

Adjusted for Seasonal Median and Detrended



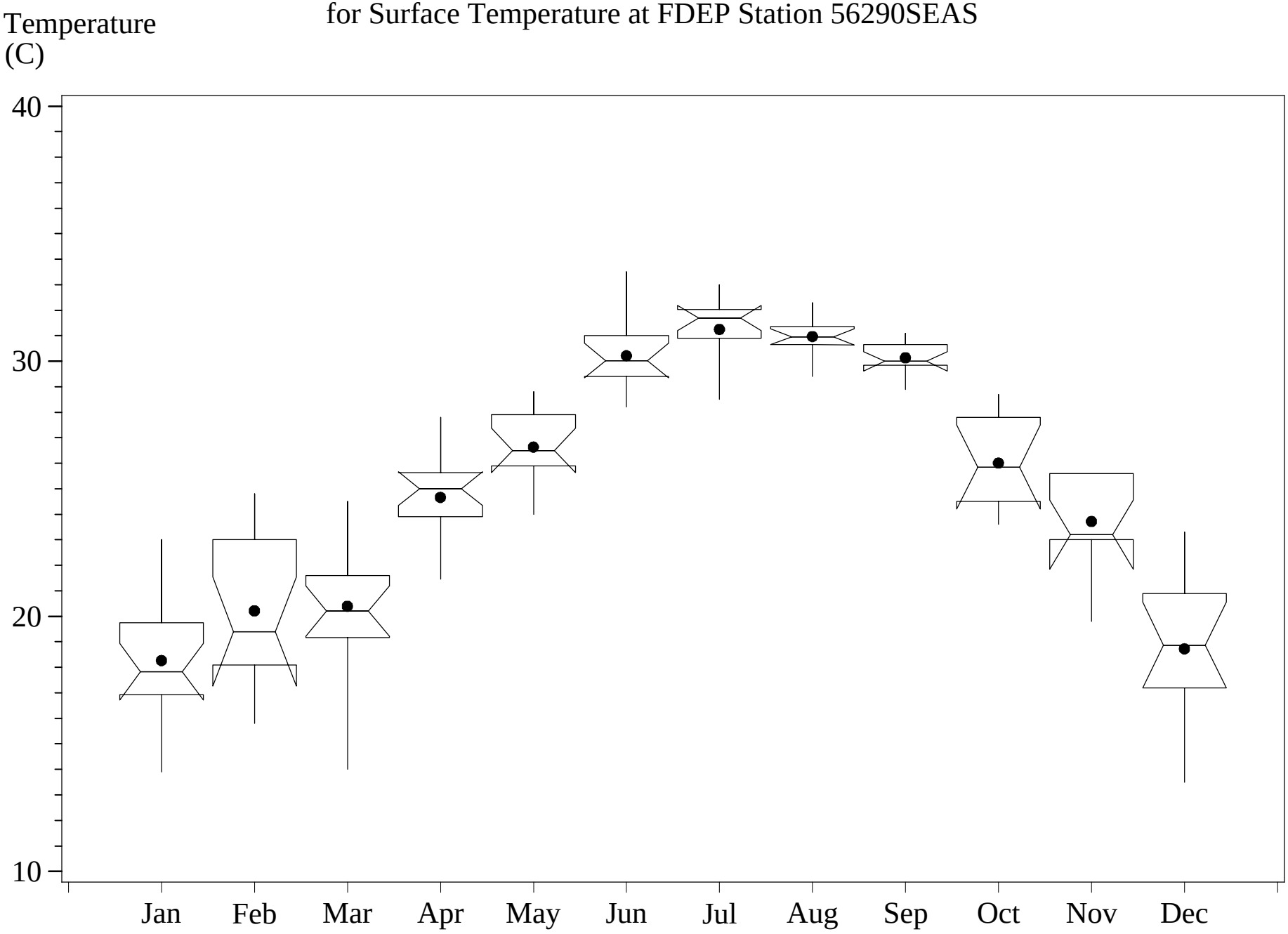
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 217
Monthly Data Time Series
for Surface Temperature at FDEP Station 56290SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 218

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 56290SEAS



Lemon Bay Trends Appendix - Display 219

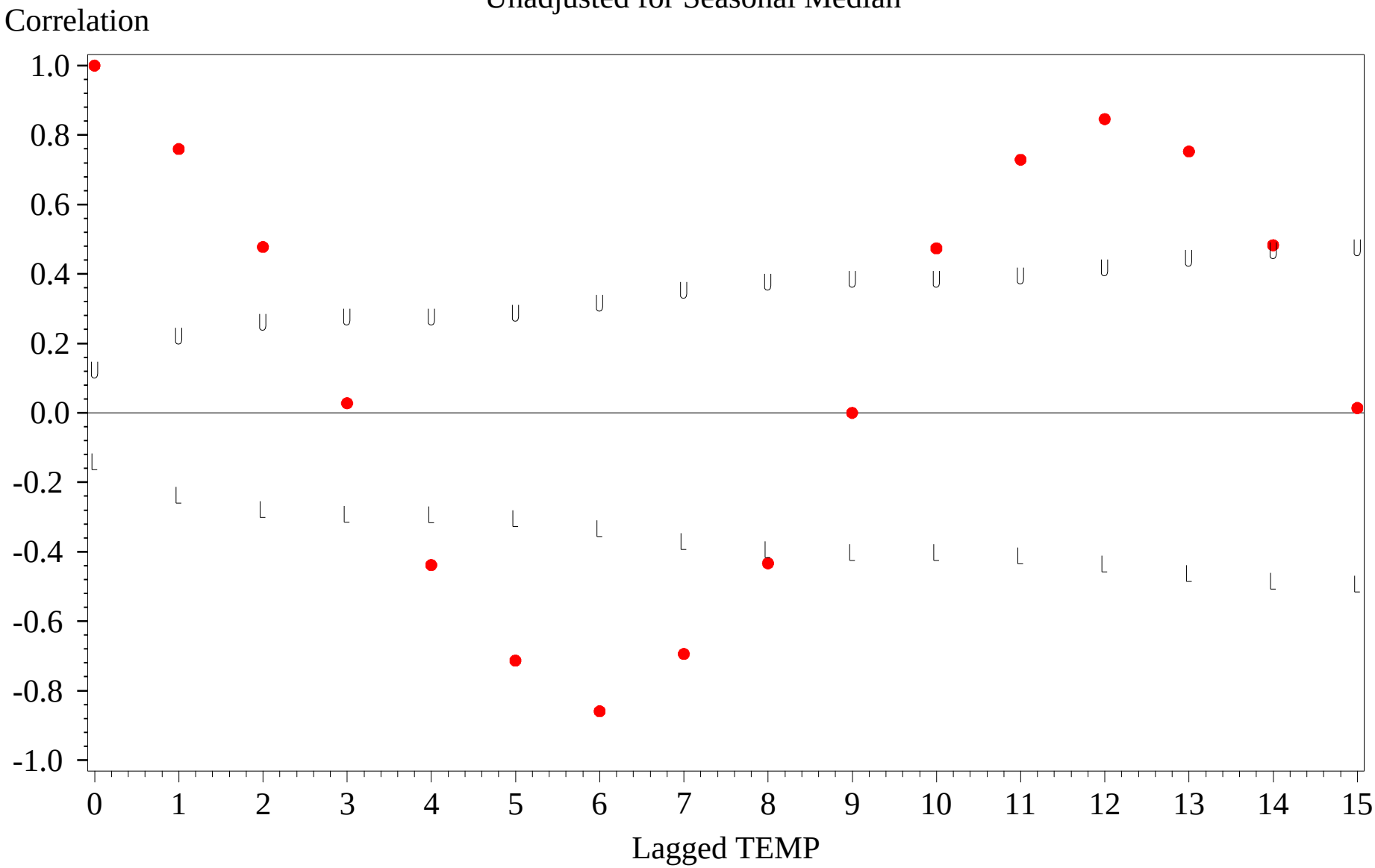
Autocorrelation Statistics for Surface Temperature at FDEP Station 56290SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.760	0.115	0.229	-0.229
2	0.478	0.135	0.270	-0.270
3	0.028	0.142	0.284	-0.284
4	-0.438	0.142	0.285	-0.285
5	-0.713	0.148	0.296	-0.296
6	-0.859	0.162	0.325	-0.325
7	-0.694	0.181	0.362	-0.362
8	-0.433	0.193	0.385	-0.385
9	0.000	0.197	0.393	-0.393
10	0.474	0.197	0.393	-0.393
11	0.729	0.202	0.403	-0.403
12	0.846	0.213	0.426	-0.426
13	0.753	0.227	0.454	-0.454
14	0.483	0.238	0.476	-0.476
15	0.014	0.242	0.484	-0.484

Lemon Bay Trends Appendix - Display 220
Correlogram for Surface Temperature at FDEP Station 56290SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 221

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56290SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.16	.009	0.022	0.075

Lemon Bay Trends Appendix - Display 222

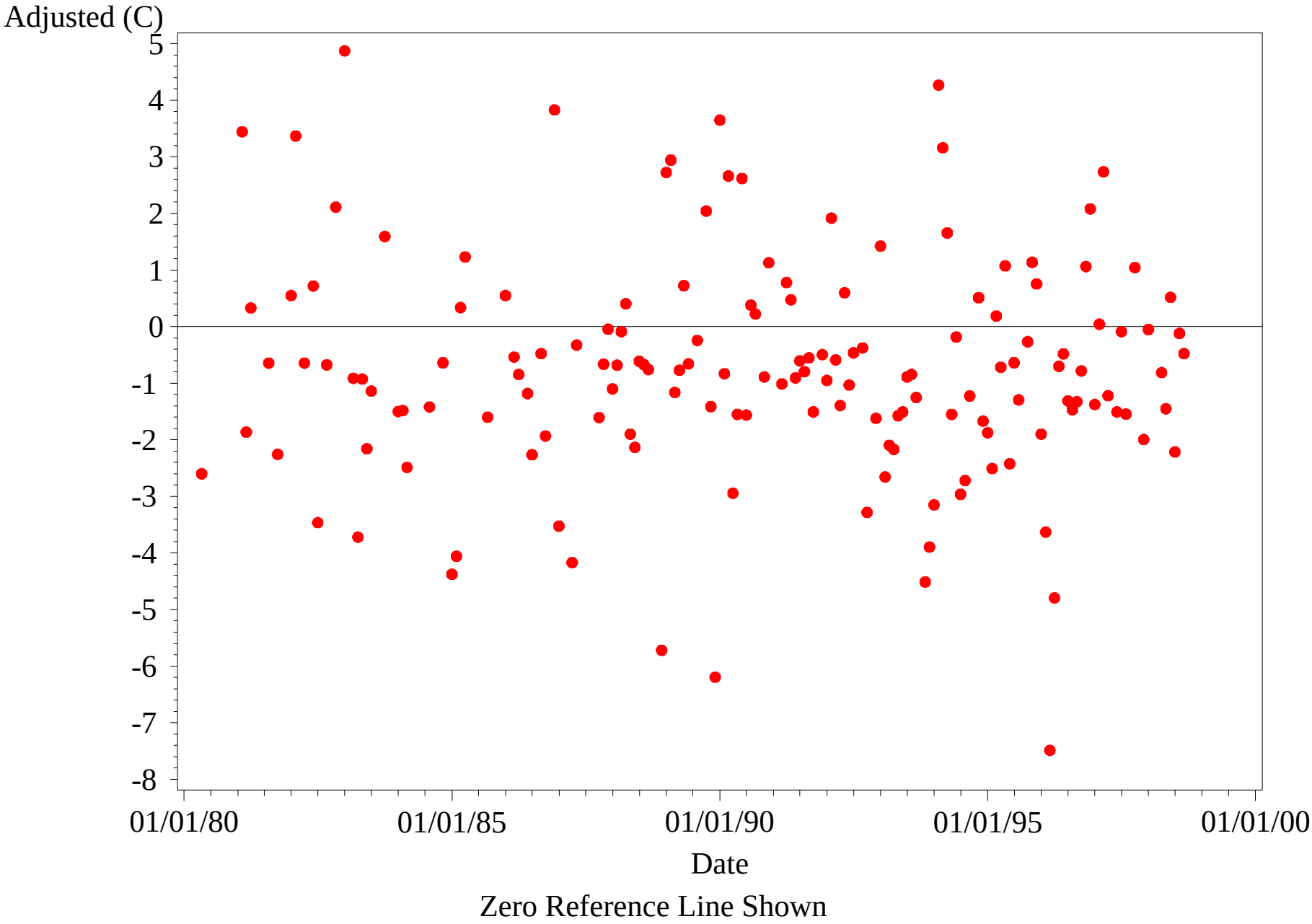
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 56290SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.16038	.00939035	0.021501	0.075

Lemon Bay Trends Appendix - Display 223

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended
at FDEP Station 56290SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 224

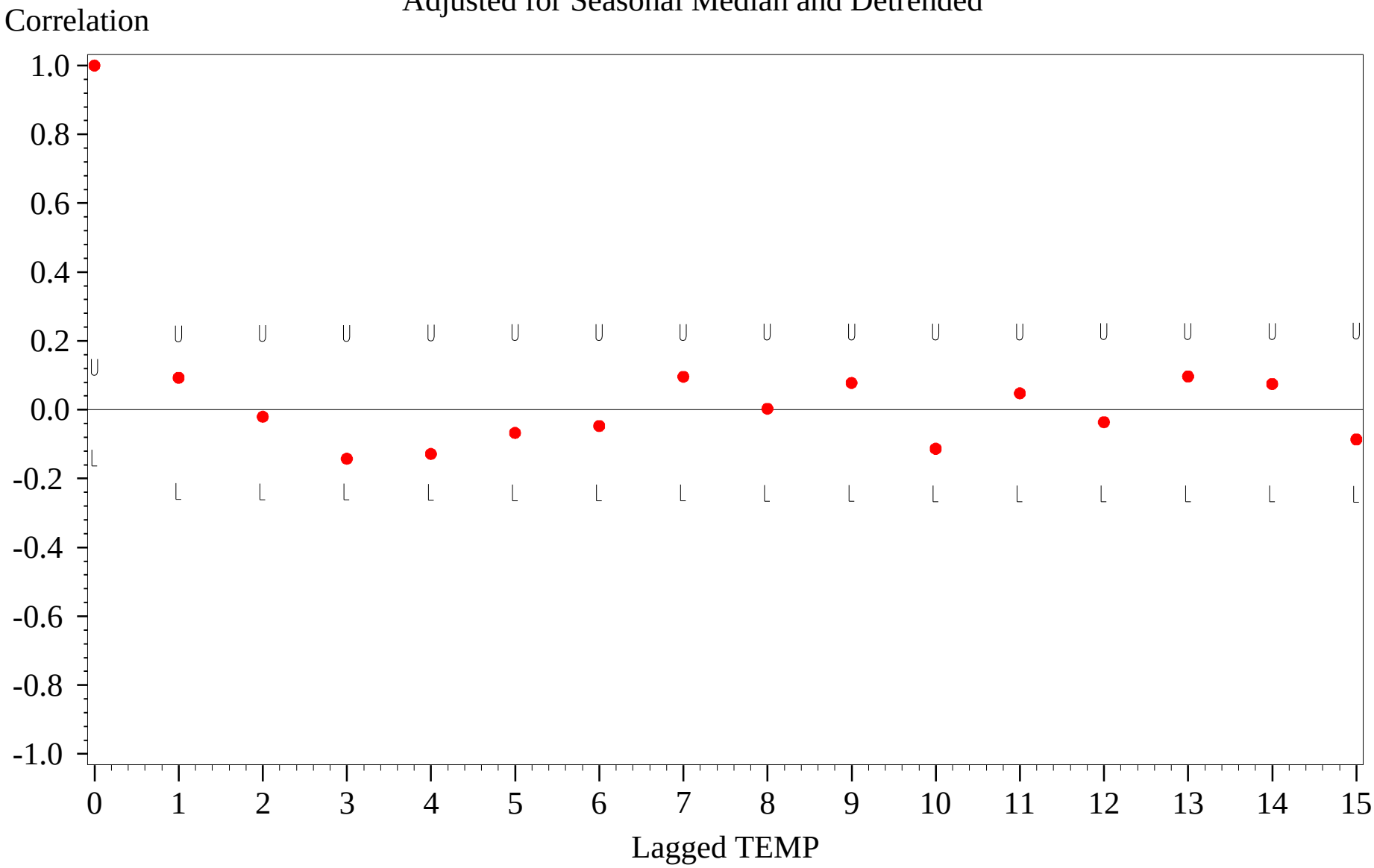
Autocorrelation Statistics for Surface Temperature at FDEP Station 56290SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.093	0.115	0.229	-0.229
2	-0.020	0.115	0.230	-0.230
3	-0.142	0.115	0.230	-0.230
4	-0.128	0.116	0.232	-0.232
5	-0.067	0.116	0.233	-0.233
6	-0.047	0.117	0.233	-0.233
7	0.096	0.117	0.233	-0.233
8	0.003	0.117	0.234	-0.234
9	0.078	0.117	0.234	-0.234
10	-0.113	0.117	0.235	-0.235
11	0.048	0.118	0.235	-0.235
12	-0.036	0.118	0.236	-0.236
13	0.097	0.118	0.236	-0.236
14	0.075	0.118	0.236	-0.236
15	-0.086	0.118	0.237	-0.237

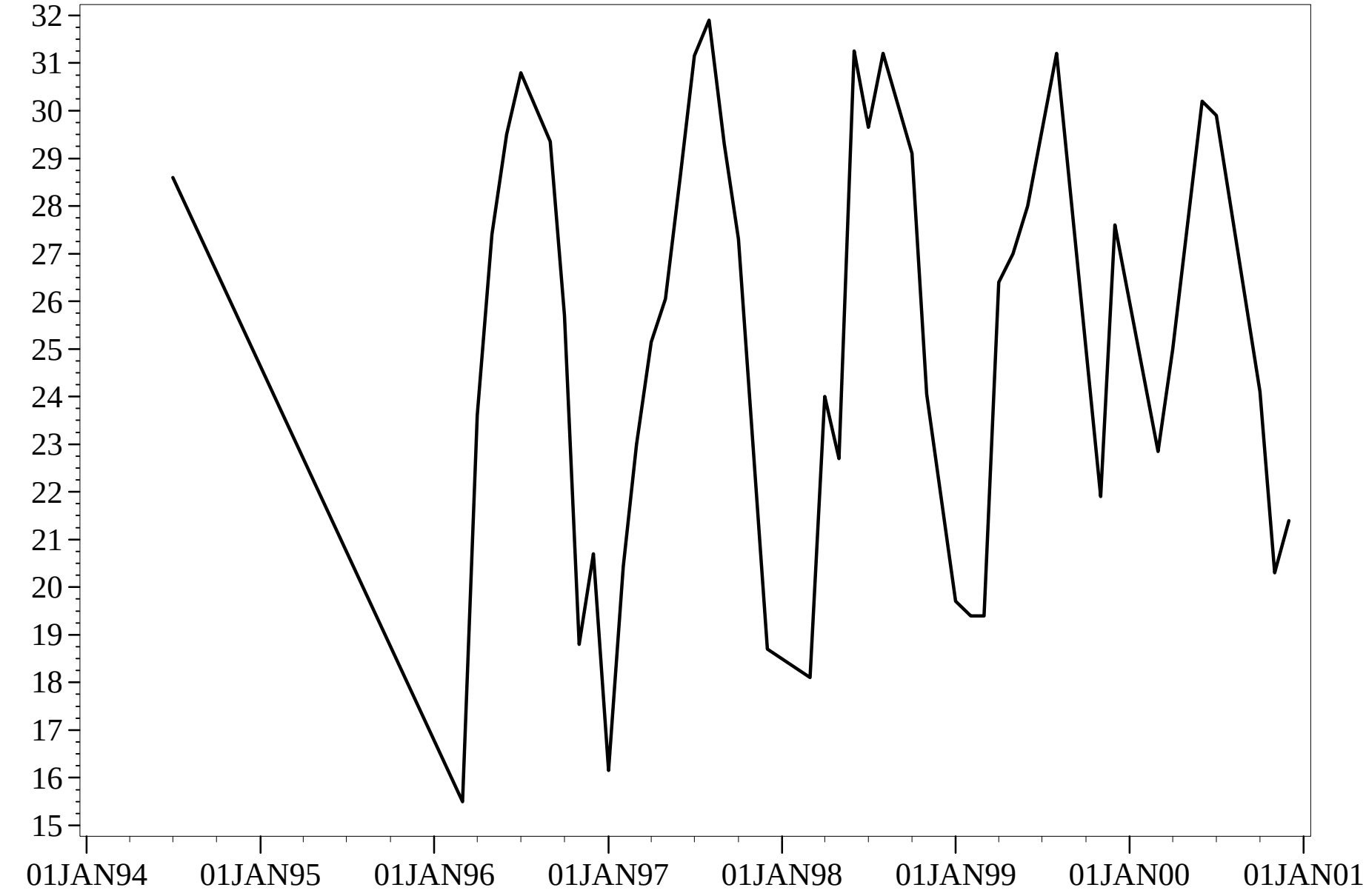
Lemon Bay Trends Appendix - Display 225
Correlogram for Surface Temperature at FDEP Station 56290SEAS

Adjusted for Seasonal Median and Detrended



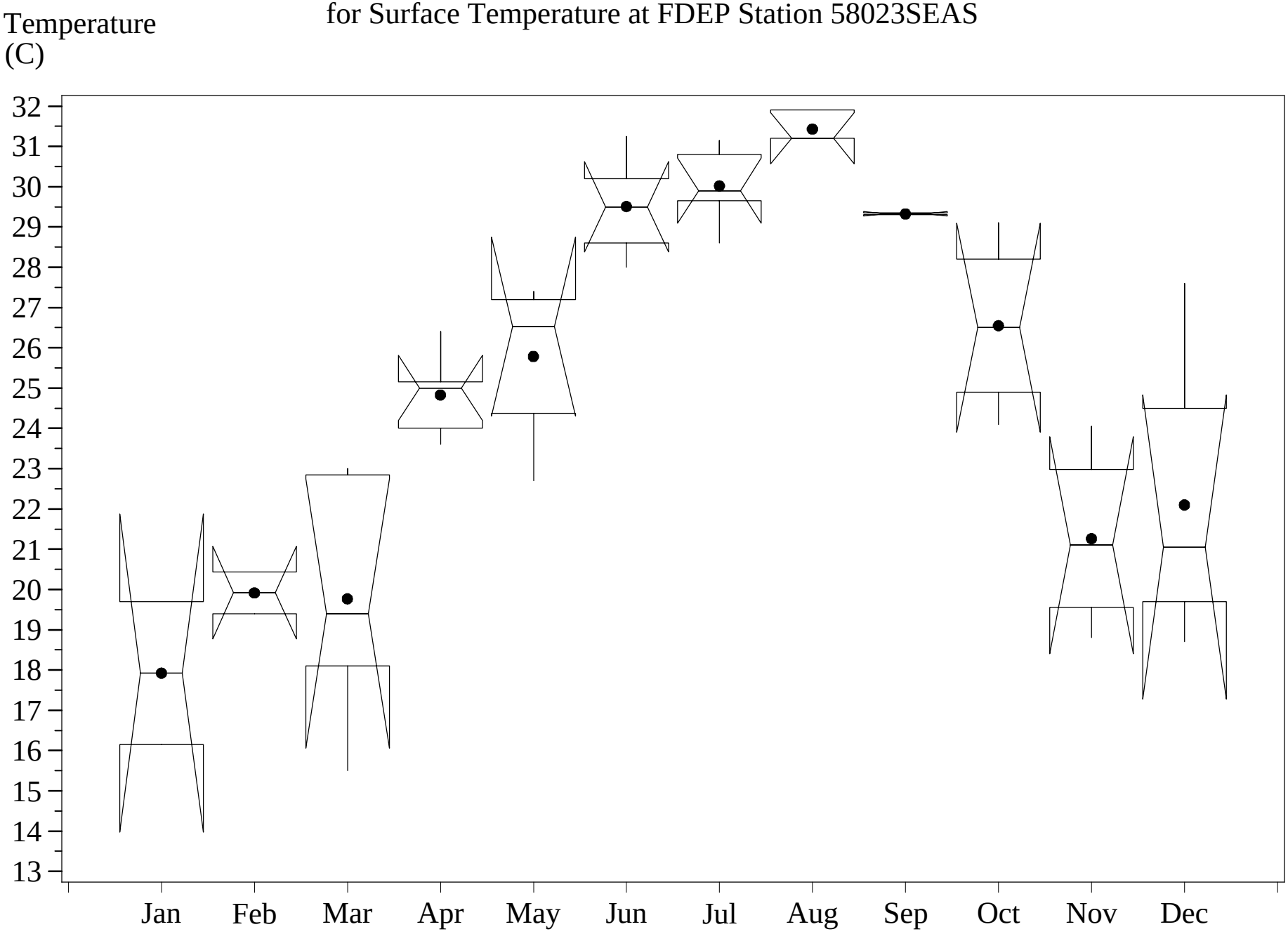
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 226
Monthly Data Time Series
for Surface Temperature at FDEP Station 58023SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 227

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 58023SEAS



Lemon Bay Trends Appendix - Display 228

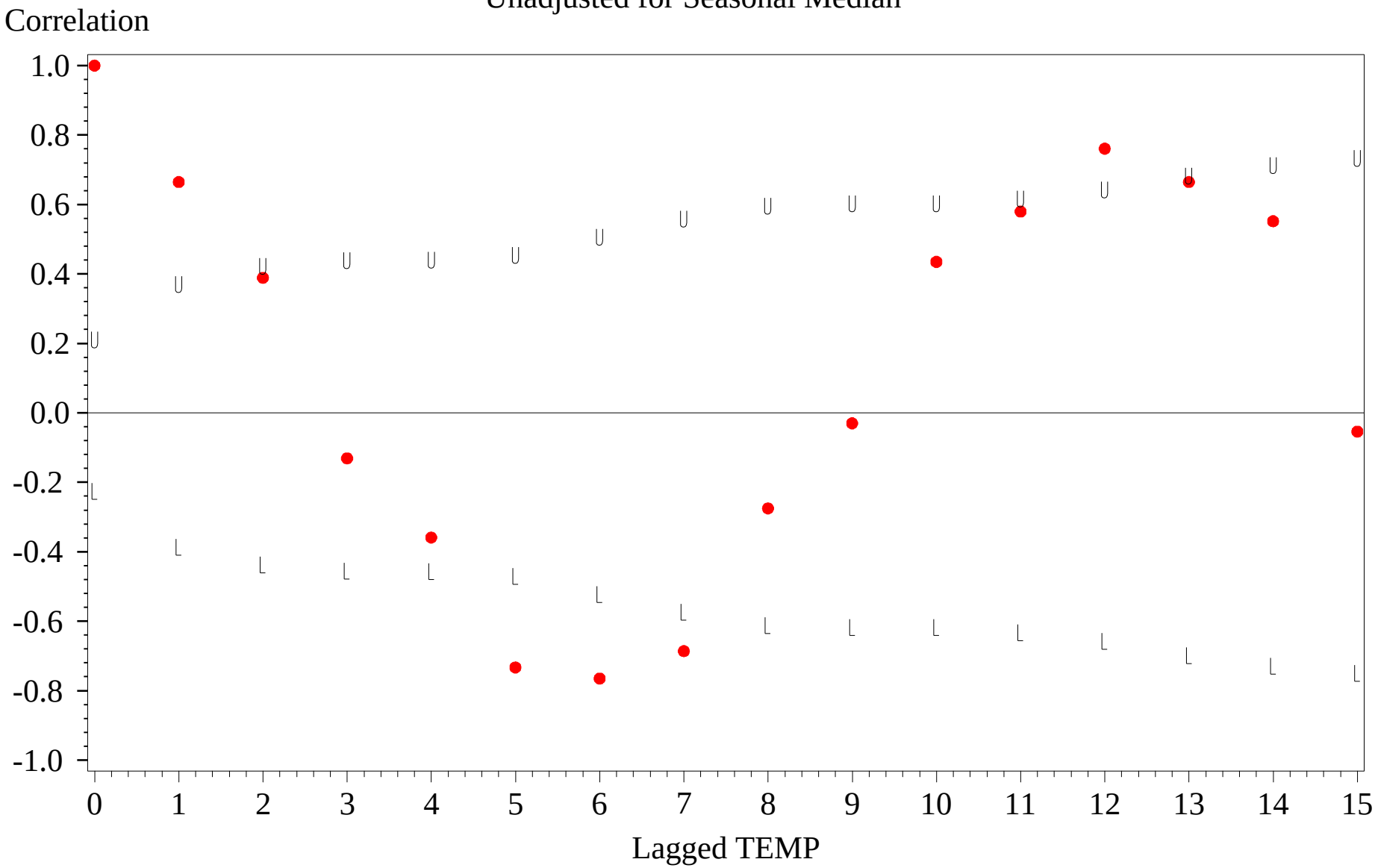
Autocorrelation Statistics for Surface Temperature at FDEP Station 58023SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.109	0.218	-0.218
1	0.665	0.189	0.378	-0.378
2	0.389	0.215	0.430	-0.430
3	-0.131	0.223	0.447	-0.447
4	-0.359	0.224	0.448	-0.448
5	-0.733	0.231	0.462	-0.462
6	-0.765	0.257	0.514	-0.514
7	-0.686	0.283	0.566	-0.566
8	-0.275	0.302	0.604	-0.604
9	-0.030	0.305	0.610	-0.610
10	0.435	0.305	0.610	-0.610
11	0.580	0.312	0.625	-0.625
12	0.761	0.325	0.650	-0.650
13	0.665	0.345	0.691	-0.691
14	0.552	0.360	0.721	-0.721
15	-0.054	0.370	0.741	-0.741

Lemon Bay Trends Appendix - Display 229
Correlogram for Surface Temperature at FDEP Station 58023SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 230

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58023SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.1	0.562	0.41	0.188

Lemon Bay Trends Appendix - Display 231

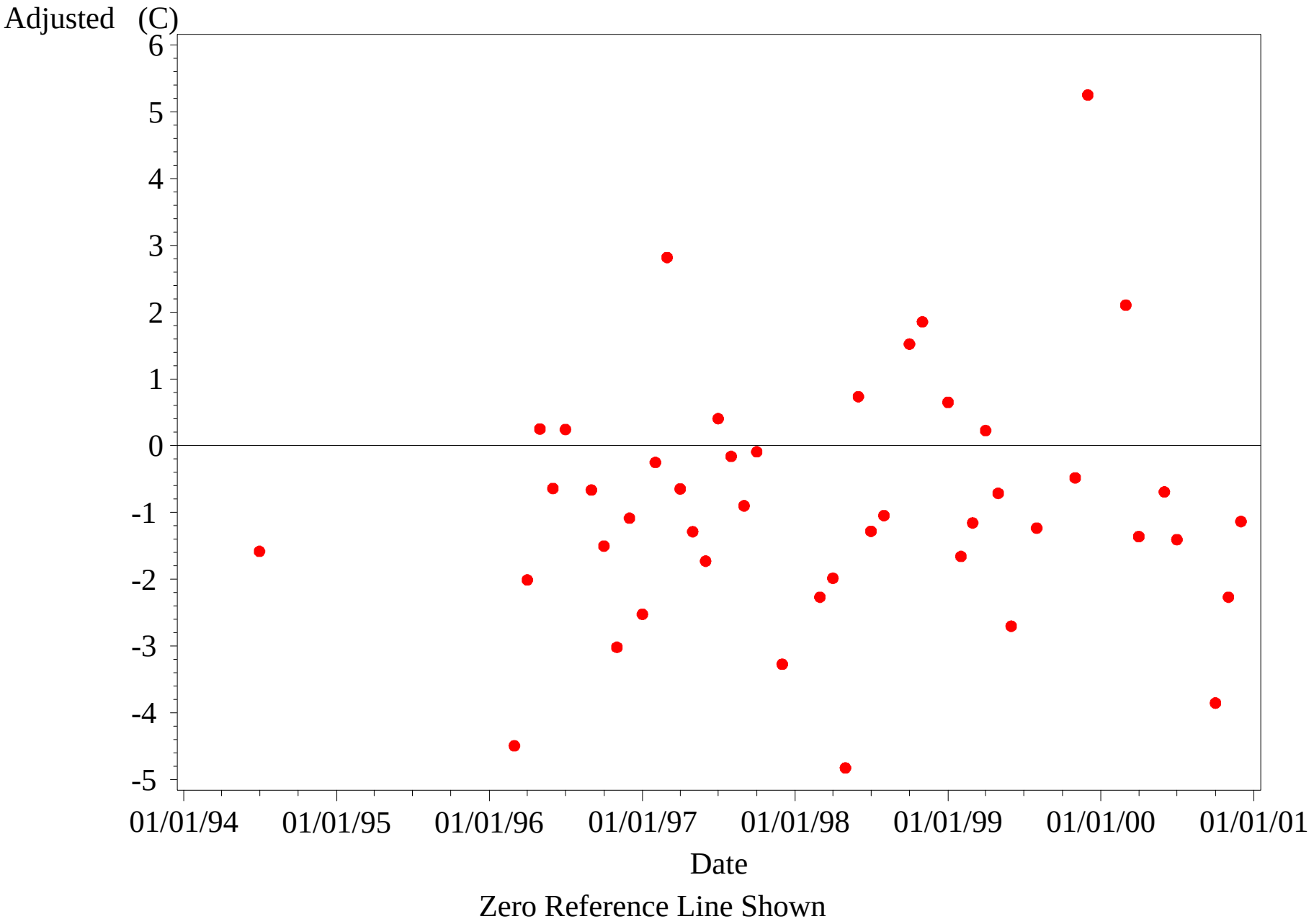
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58023SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.1	0.56189	0.40985	0.1875

Lemon Bay Trends Appendix - Display 232

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 58023SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 233

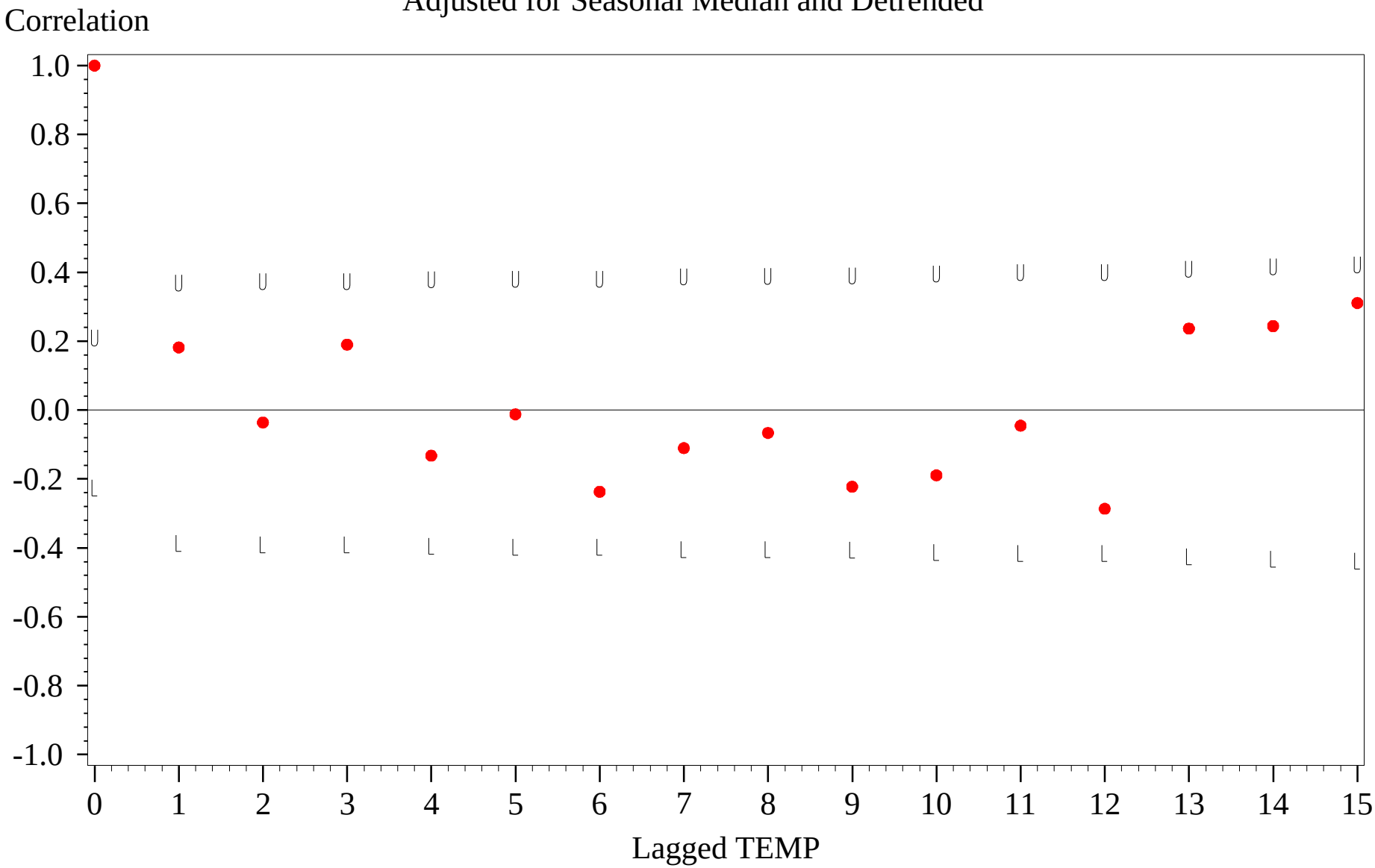
Autocorrelation Statistics for Surface Temperature at FDEP Station 58023SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.109	0.218	-0.218
1	0.182	0.189	0.378	-0.378
2	-0.036	0.191	0.382	-0.382
3	0.190	0.191	0.382	-0.382
4	-0.132	0.193	0.387	-0.387
5	-0.012	0.194	0.389	-0.389
6	-0.237	0.194	0.389	-0.389
7	-0.110	0.198	0.396	-0.396
8	-0.066	0.199	0.397	-0.397
9	-0.222	0.199	0.398	-0.398
10	-0.189	0.202	0.404	-0.404
11	-0.045	0.204	0.408	-0.408
12	-0.286	0.204	0.408	-0.408
13	0.237	0.209	0.417	-0.417
14	0.244	0.212	0.424	-0.424
15	0.311	0.215	0.430	-0.430

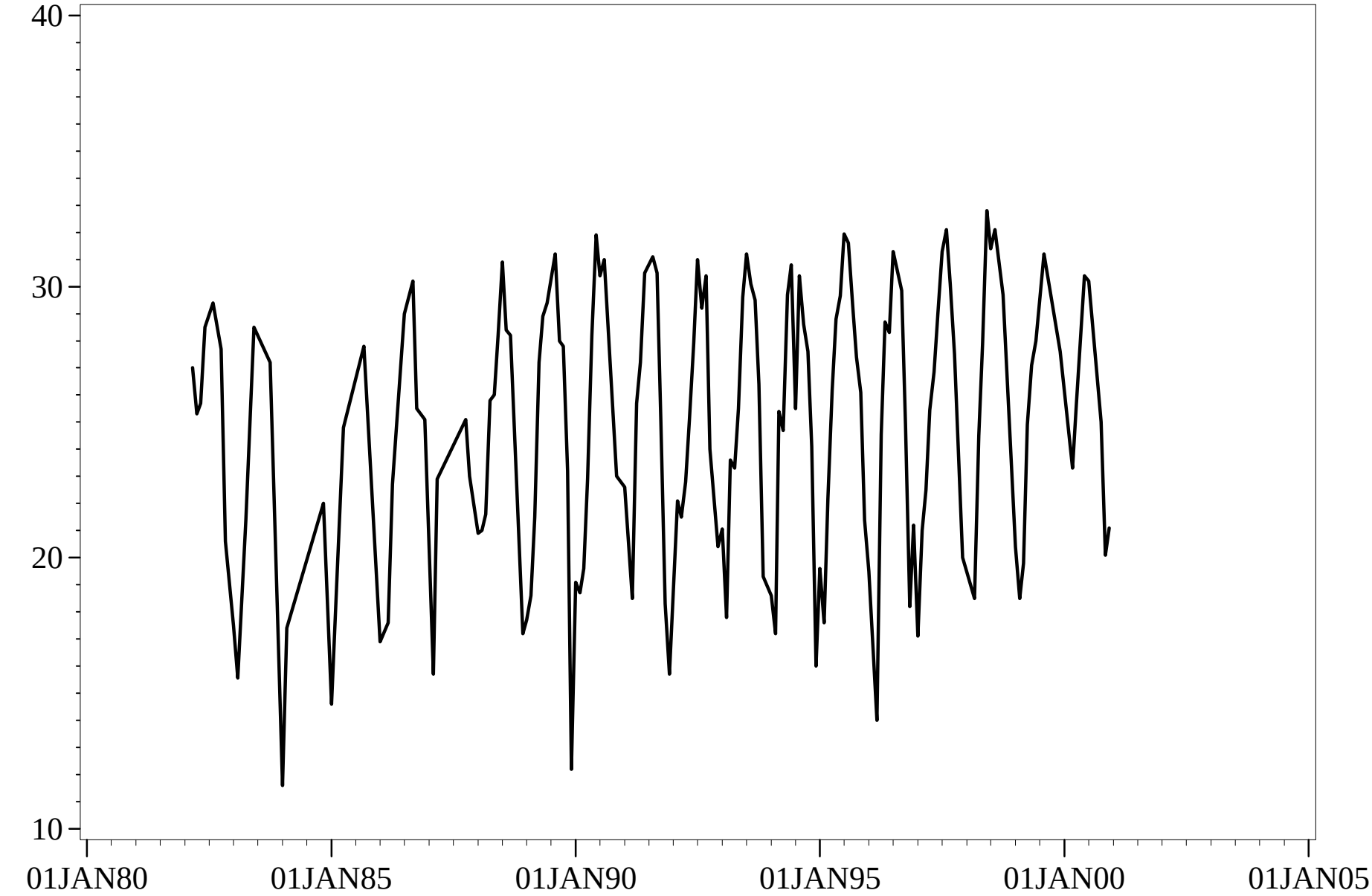
Lemon Bay Trends Appendix - Display 234
Correlogram for Surface Temperature at FDEP Station 58023SEAS

Adjusted for Seasonal Median and Detrended



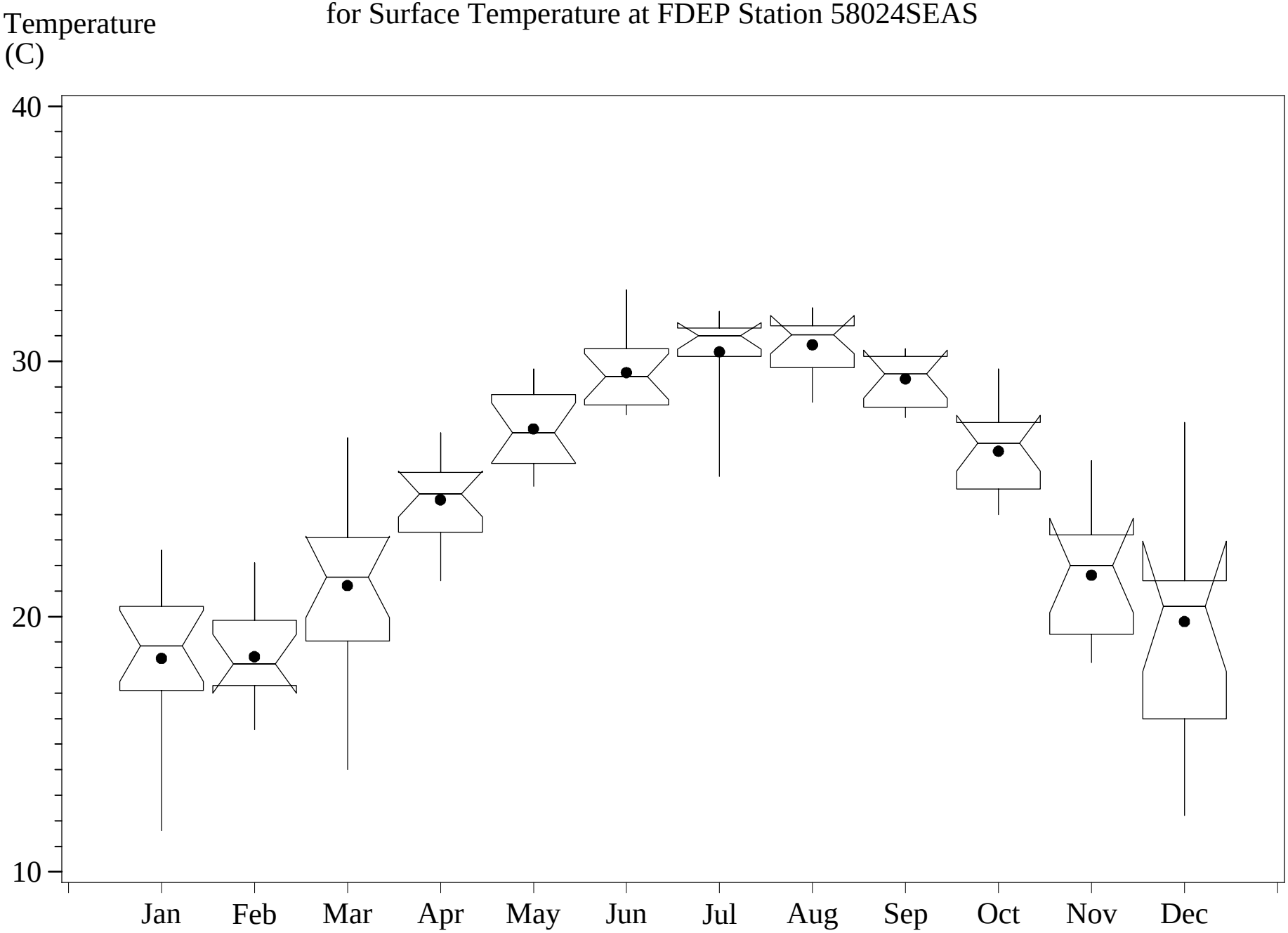
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 235
Monthly Data Time Series
for Surface Temperature at FDEP Station 58024SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 236

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 58024SEAS



Lemon Bay Trends Appendix - Display 237

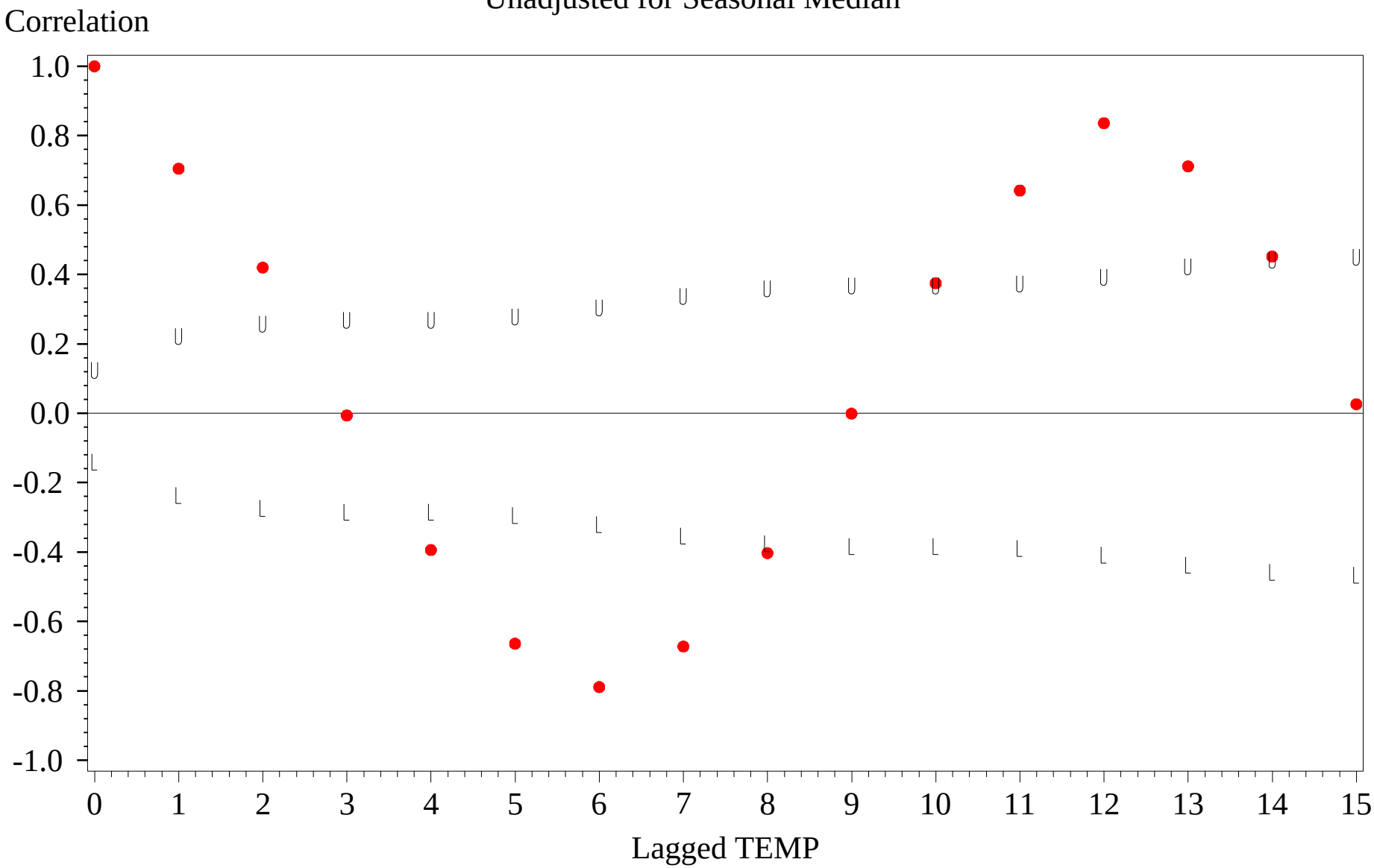
Autocorrelation Statistics for Surface Temperature at FDEP Station 58024SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.705	0.115	0.229	-0.229
2	0.420	0.132	0.265	-0.265
3	-0.006	0.138	0.276	-0.276
4	-0.394	0.138	0.276	-0.276
5	-0.664	0.143	0.286	-0.286
6	-0.789	0.156	0.312	-0.312
7	-0.672	0.172	0.345	-0.345
8	-0.403	0.184	0.367	-0.367
9	-0.001	0.187	0.375	-0.375
10	0.375	0.187	0.375	-0.375
11	0.642	0.191	0.381	-0.381
12	0.836	0.200	0.400	-0.400
13	0.712	0.215	0.430	-0.430
14	0.452	0.225	0.450	-0.450
15	0.026	0.229	0.458	-0.458

Lemon Bay Trends Appendix - Display 238
Correlogram for Surface Temperature at FDEP Station 58024SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 239

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58024SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.166	.007	0.019	0.1

Lemon Bay Trends Appendix - Display 240

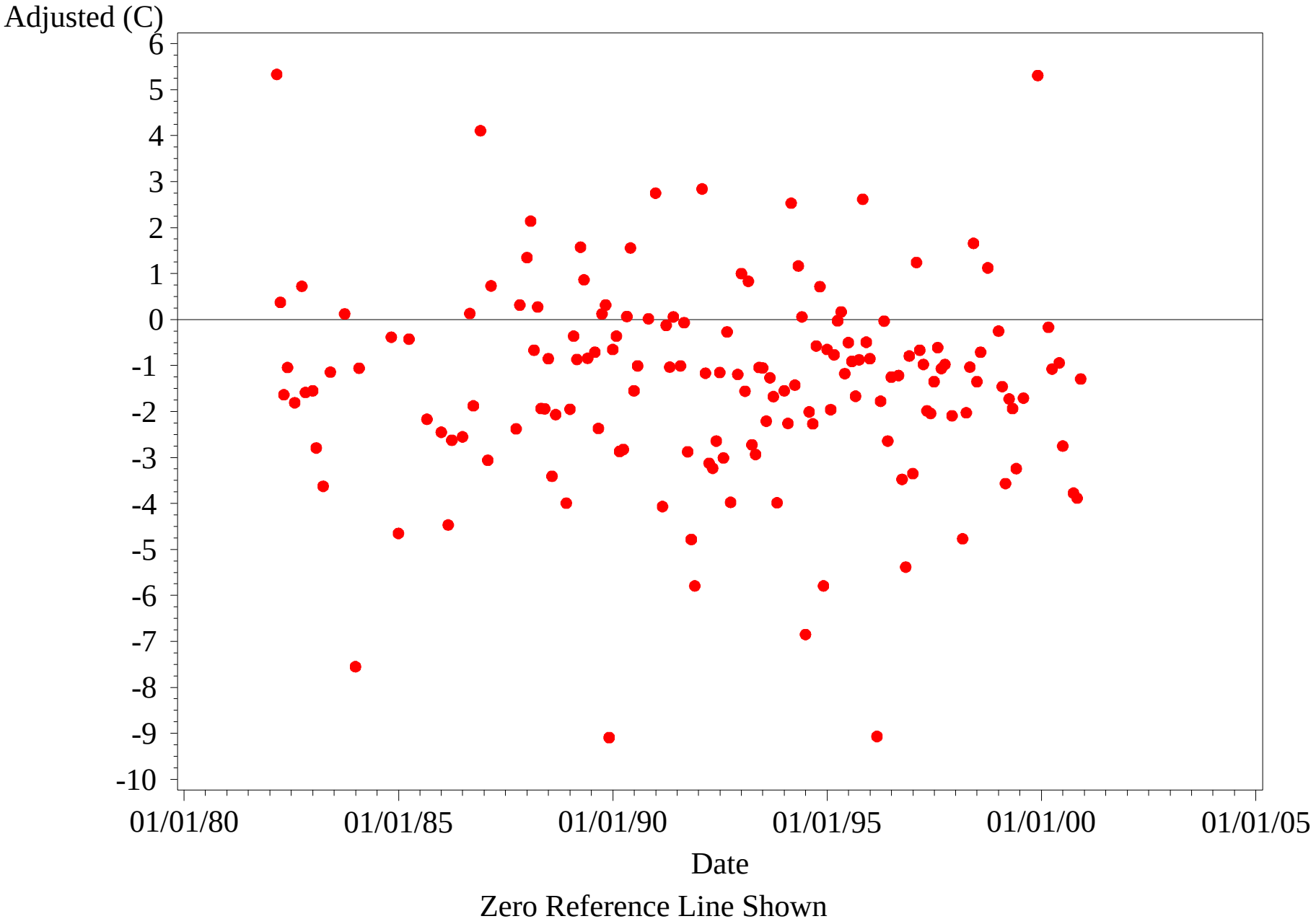
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58024SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.16650	.00652587	0.019302	0.1

Lemon Bay Trends Appendix - Display 241

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 58024SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 242

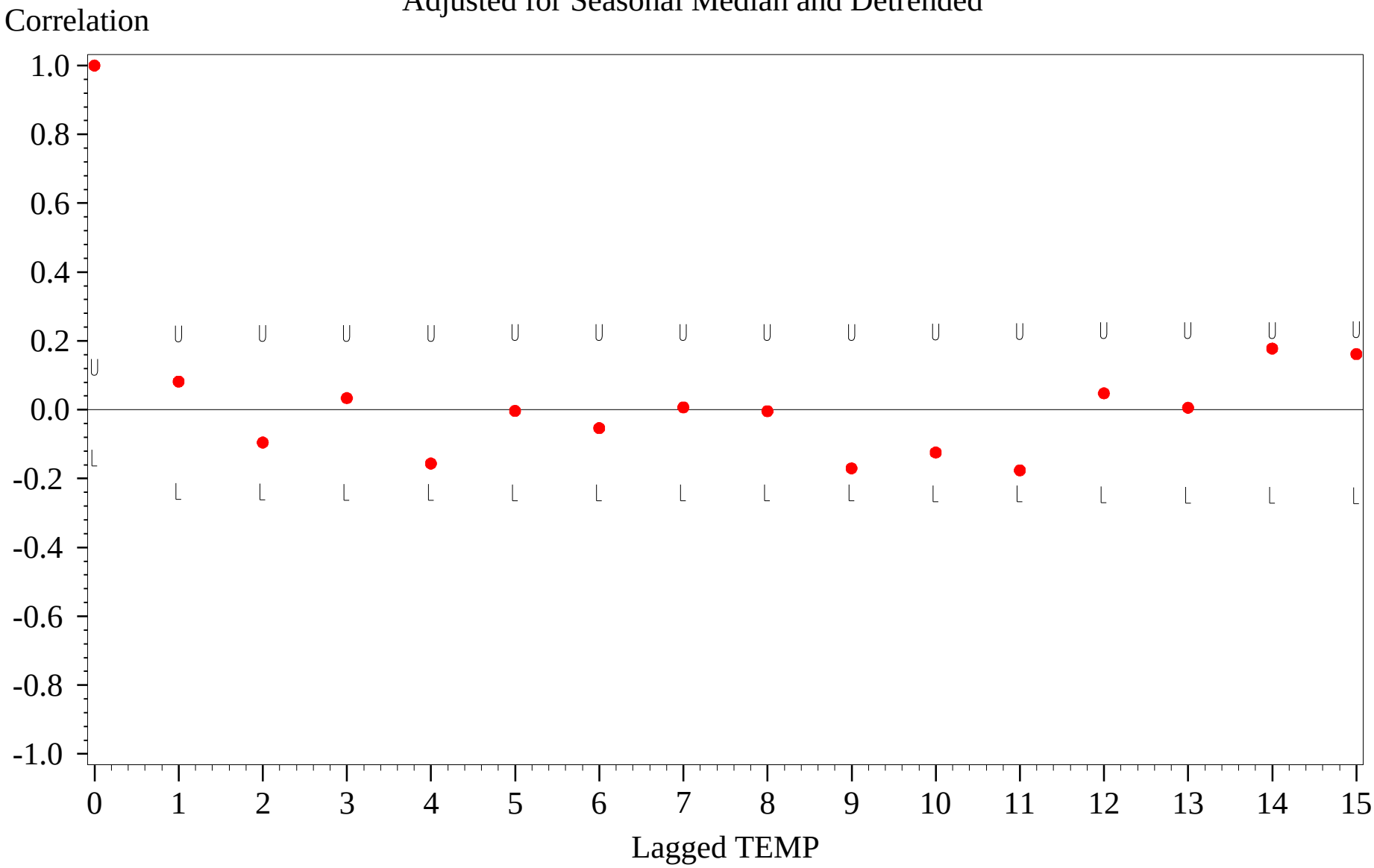
Autocorrelation Statistics for Surface Temperature at FDEP Station 58024SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.082	0.115	0.229	-0.229
2	-0.095	0.115	0.230	-0.230
3	0.034	0.115	0.231	-0.231
4	-0.156	0.115	0.231	-0.231
5	-0.003	0.116	0.233	-0.233
6	-0.053	0.116	0.233	-0.233
7	0.007	0.116	0.233	-0.233
8	-0.004	0.116	0.233	-0.233
9	-0.170	0.116	0.233	-0.233
10	-0.124	0.117	0.235	-0.235
11	-0.176	0.118	0.236	-0.236
12	0.048	0.119	0.238	-0.238
13	0.006	0.119	0.239	-0.239
14	0.178	0.119	0.239	-0.239
15	0.162	0.120	0.241	-0.241

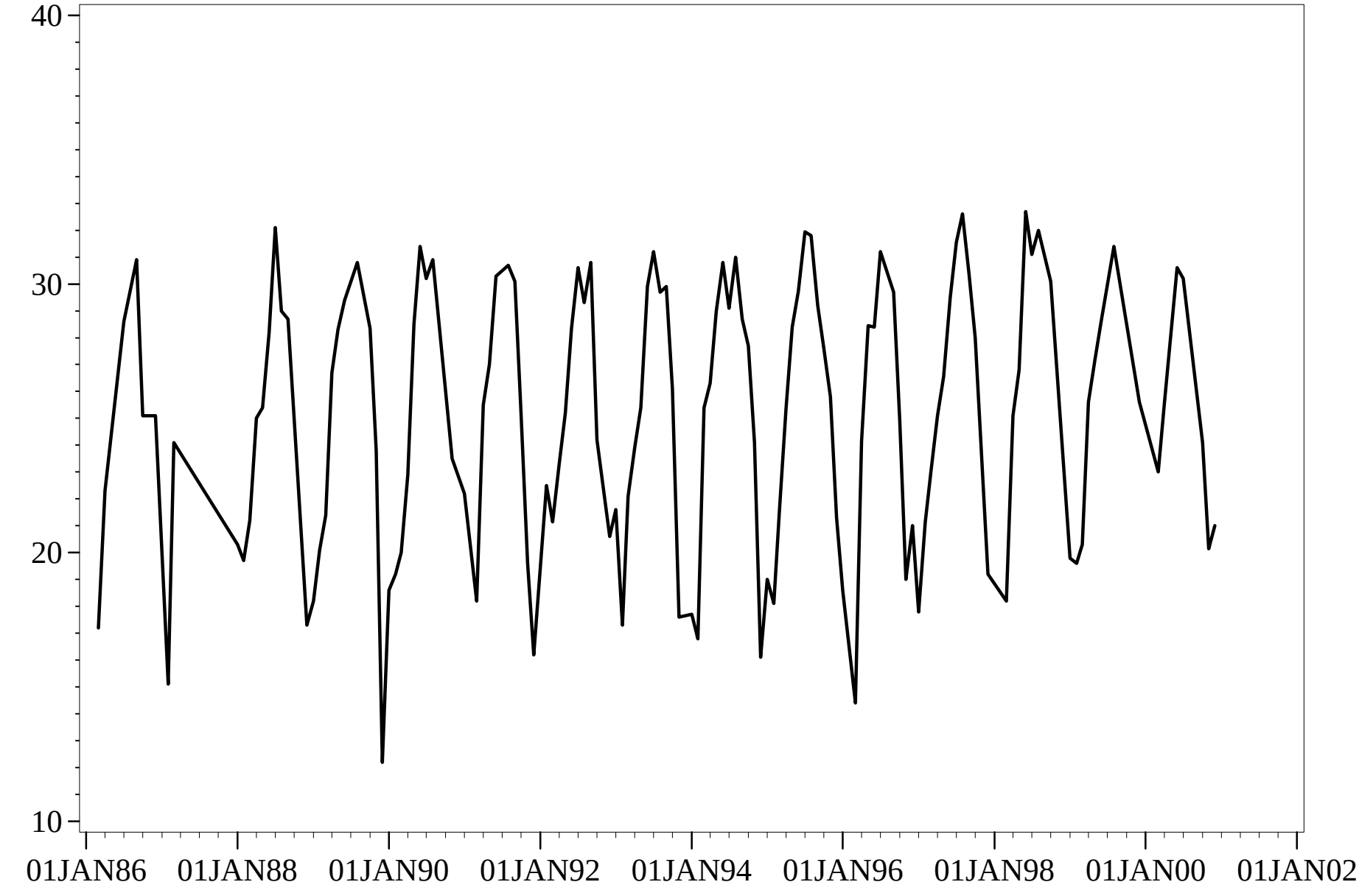
Lemon Bay Trends Appendix - Display 243
Correlogram for Surface Temperature at FDEP Station 58024SEAS

Adjusted for Seasonal Median and Detrended



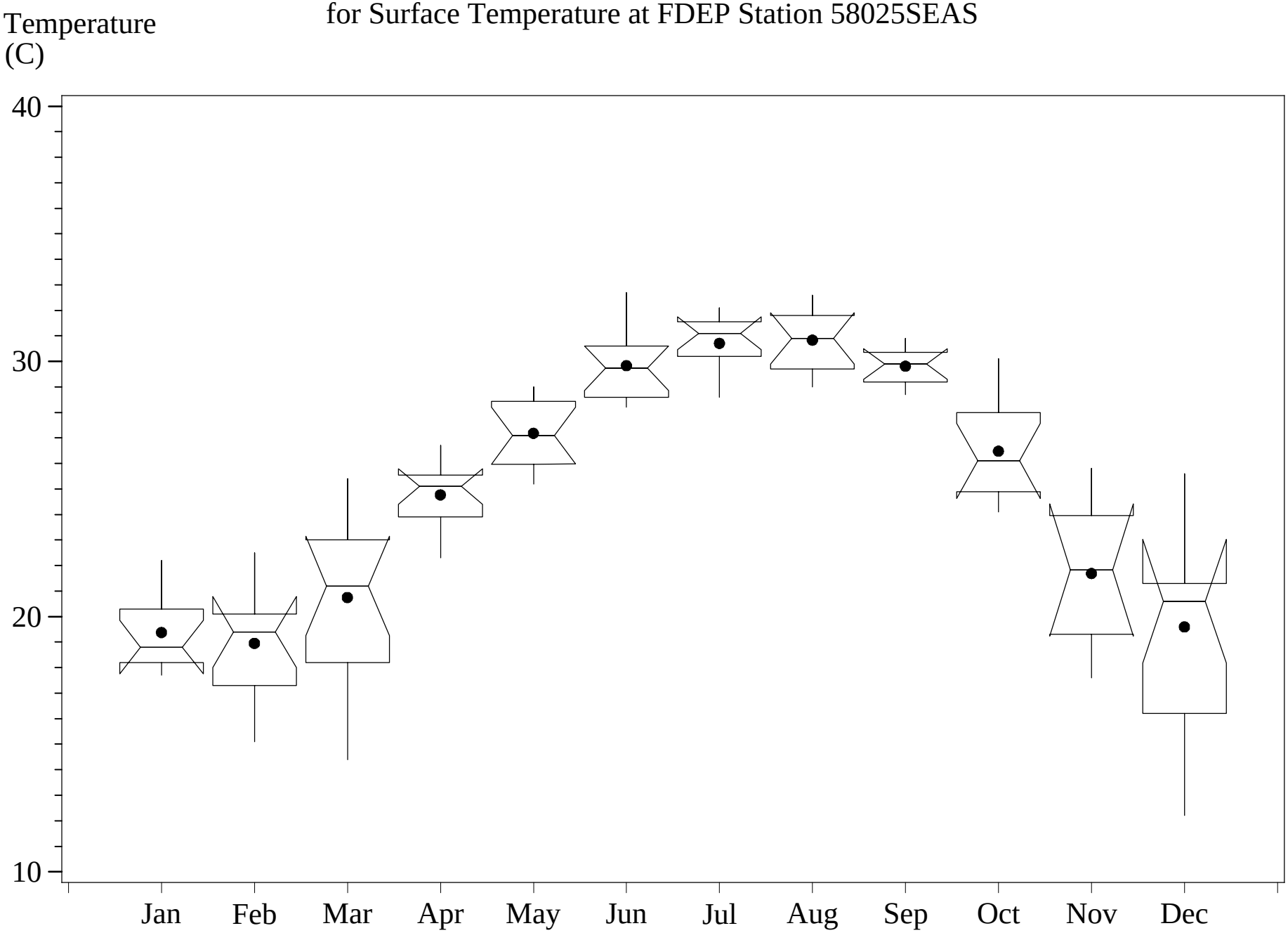
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 244
Monthly Data Time Series
for Surface Temperature at FDEP Station 58025SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 245

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 58025SEAS



Lemon Bay Trends Appendix - Display 246

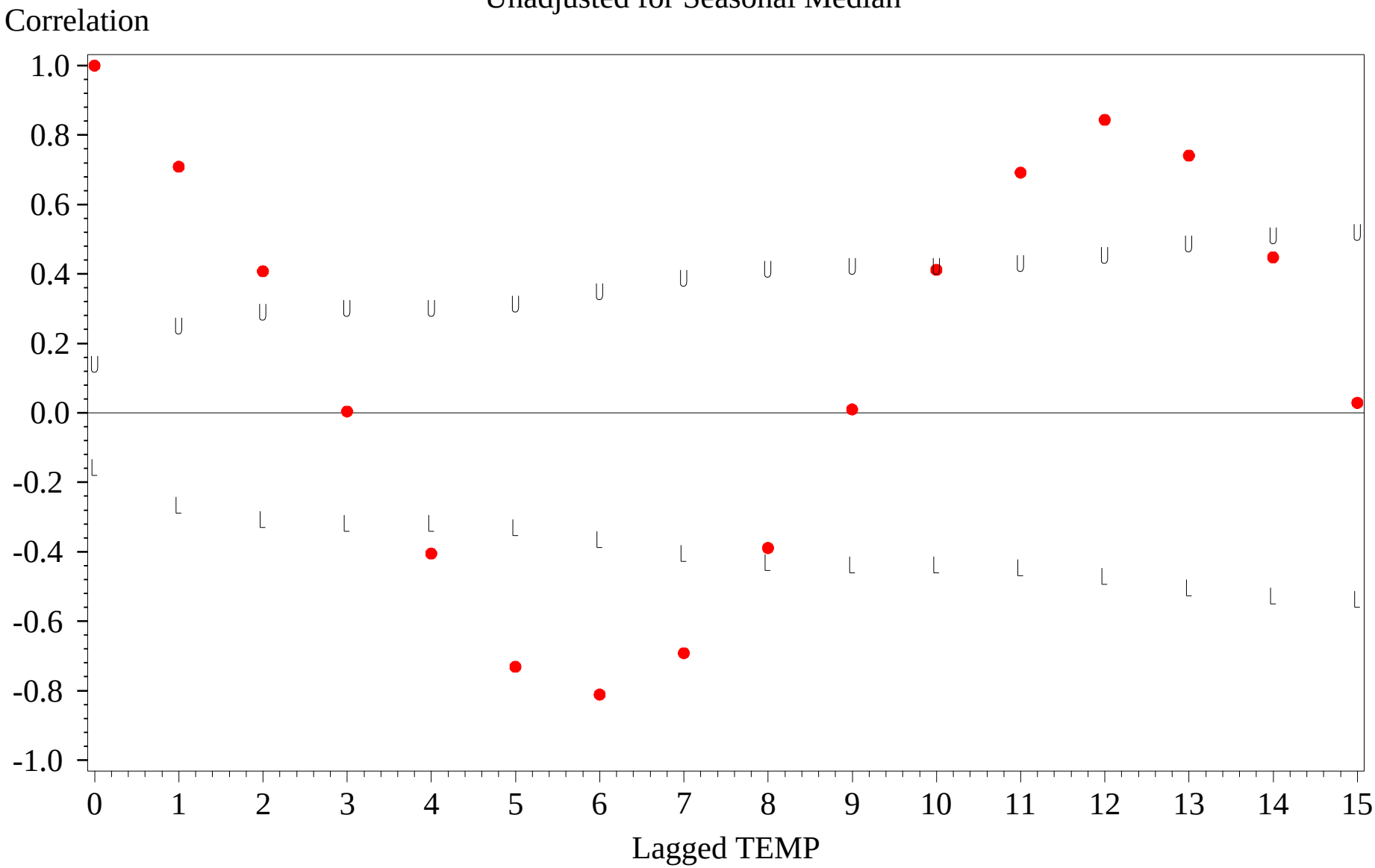
Autocorrelation Statistics for Surface Temperature at FDEP Station 58025SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.075	0.149	-0.149
1	0.709	0.129	0.258	-0.258
2	0.408	0.149	0.298	-0.298
3	0.004	0.155	0.310	-0.310
4	-0.405	0.155	0.310	-0.310
5	-0.731	0.161	0.322	-0.322
6	-0.811	0.179	0.357	-0.357
7	-0.692	0.198	0.396	-0.396
8	-0.389	0.211	0.422	-0.422
9	0.010	0.215	0.430	-0.430
10	0.412	0.215	0.430	-0.430
11	0.692	0.219	0.438	-0.438
12	0.844	0.231	0.462	-0.462
13	0.741	0.248	0.495	-0.495
14	0.448	0.260	0.519	-0.519
15	0.029	0.264	0.528	-0.528

Lemon Bay Trends Appendix - Display 247
Correlogram for Surface Temperature at FDEP Station 58025SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 248

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58025SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.141	0.036	0.043	0.083

Lemon Bay Trends Appendix - Display 249

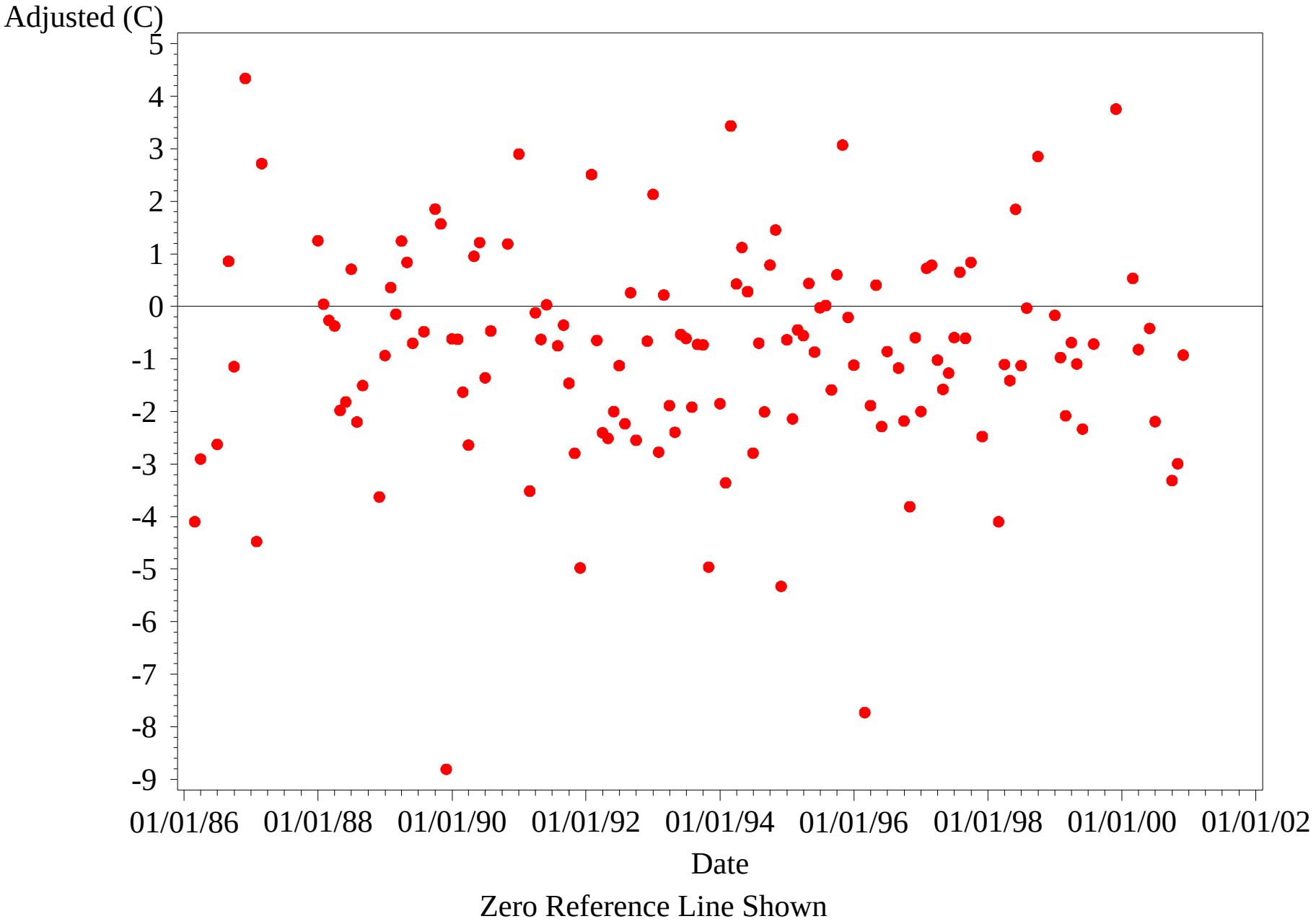
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58025SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14146	0.036304	0.042797	0.083333

Lemon Bay Trends Appendix - Display 250

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended
at FDEP Station 58025SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 251

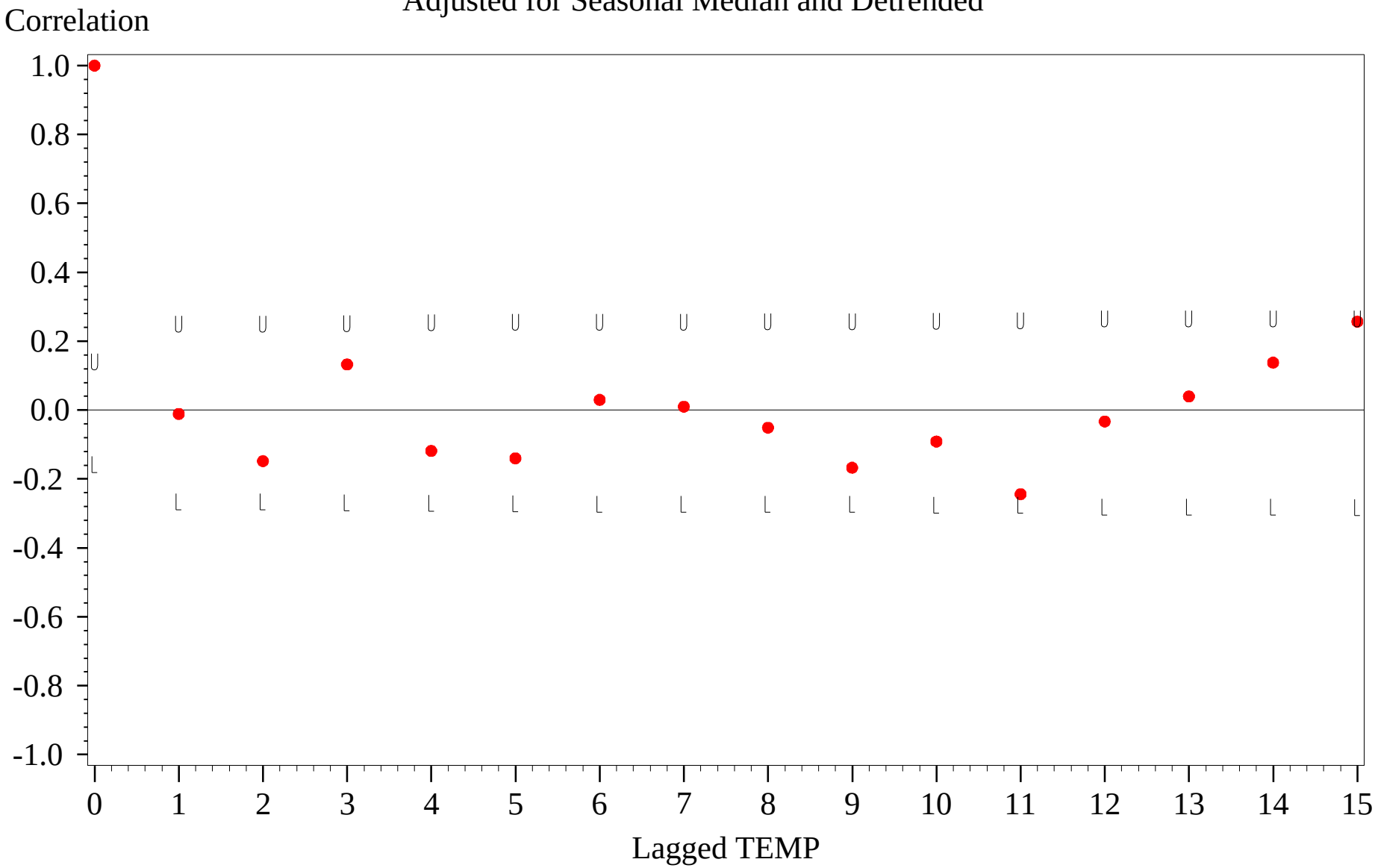
Autocorrelation Statistics for Surface Temperature at FDEP Station 58025SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.075	0.149	-0.149
1	-0.011	0.129	0.258	-0.258
2	-0.148	0.129	0.258	-0.258
3	0.133	0.130	0.260	-0.260
4	-0.118	0.131	0.262	-0.262
5	-0.140	0.131	0.263	-0.263
6	0.030	0.132	0.264	-0.264
7	0.010	0.132	0.264	-0.264
8	-0.051	0.132	0.265	-0.265
9	-0.167	0.132	0.265	-0.265
10	-0.091	0.134	0.267	-0.267
11	-0.244	0.134	0.268	-0.268
12	-0.033	0.136	0.273	-0.273
13	0.040	0.136	0.273	-0.273
14	0.138	0.136	0.273	-0.273
15	0.257	0.137	0.274	-0.274

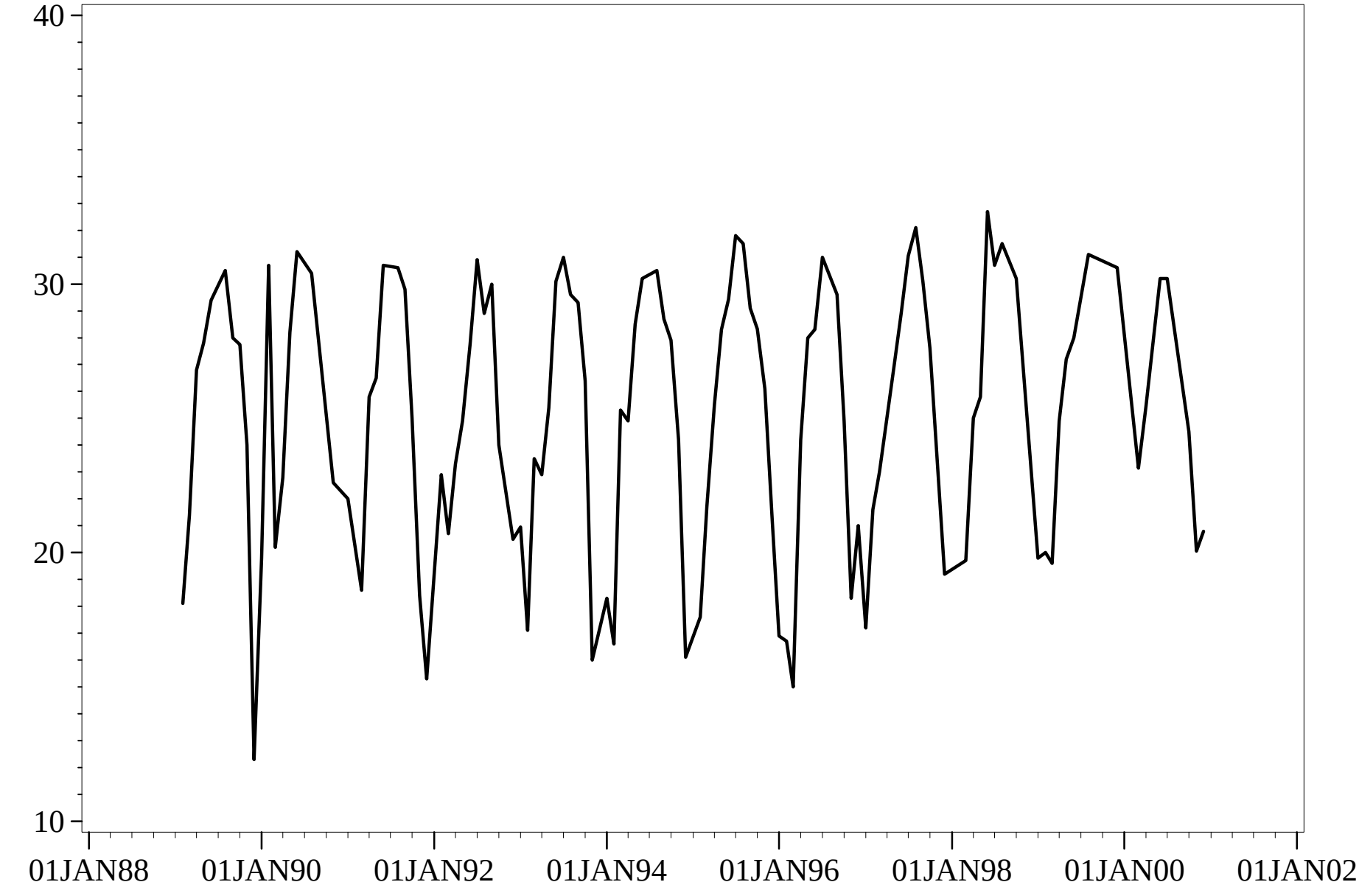
Lemon Bay Trends Appendix - Display 252
Correlogram for Surface Temperature at FDEP Station 58025SEAS

Adjusted for Seasonal Median and Detrended



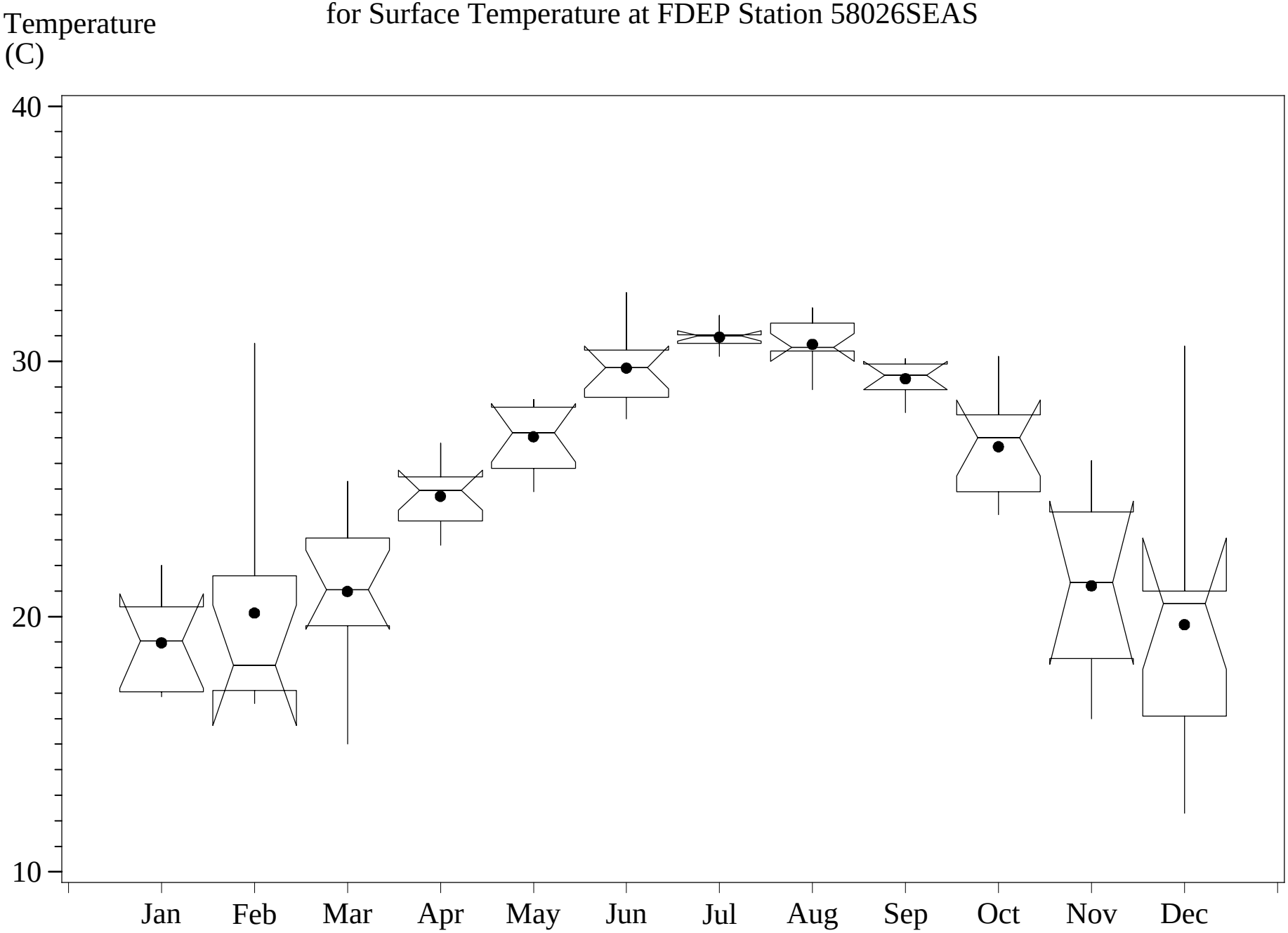
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 253
Monthly Data Time Series
for Surface Temperature at FDEP Station 58026SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 254

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 58026SEAS



Lemon Bay Trends Appendix - Display 255

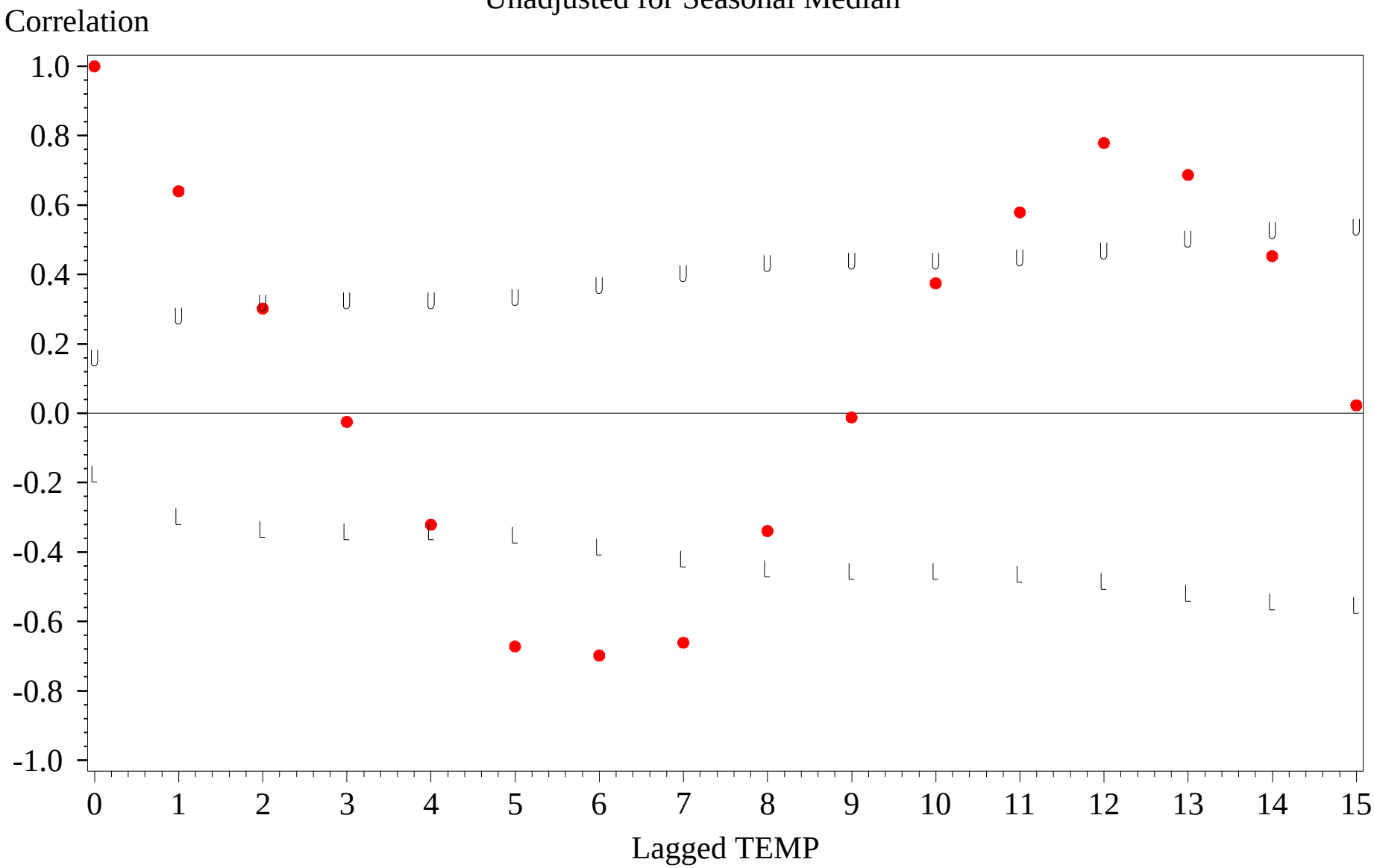
Autocorrelation Statistics for Surface Temperature at FDEP Station 58026SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.083	0.167	-0.167
1	0.640	0.144	0.289	-0.289
2	0.302	0.163	0.326	-0.326
3	-0.025	0.167	0.333	-0.333
4	-0.321	0.167	0.333	-0.333
5	-0.672	0.171	0.342	-0.342
6	-0.698	0.188	0.377	-0.377
7	-0.661	0.206	0.411	-0.411
8	-0.339	0.220	0.440	-0.440
9	-0.012	0.223	0.447	-0.447
10	0.375	0.223	0.447	-0.447
11	0.579	0.228	0.456	-0.456
12	0.779	0.238	0.476	-0.476
13	0.687	0.255	0.510	-0.510
14	0.453	0.267	0.535	-0.535
15	0.023	0.273	0.545	-0.545

Lemon Bay Trends Appendix - Display 256
Correlogram for Surface Temperature at FDEP Station 58026SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 257

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58026SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.05	0.515	0.57	0.03

Lemon Bay Trends Appendix - Display 258

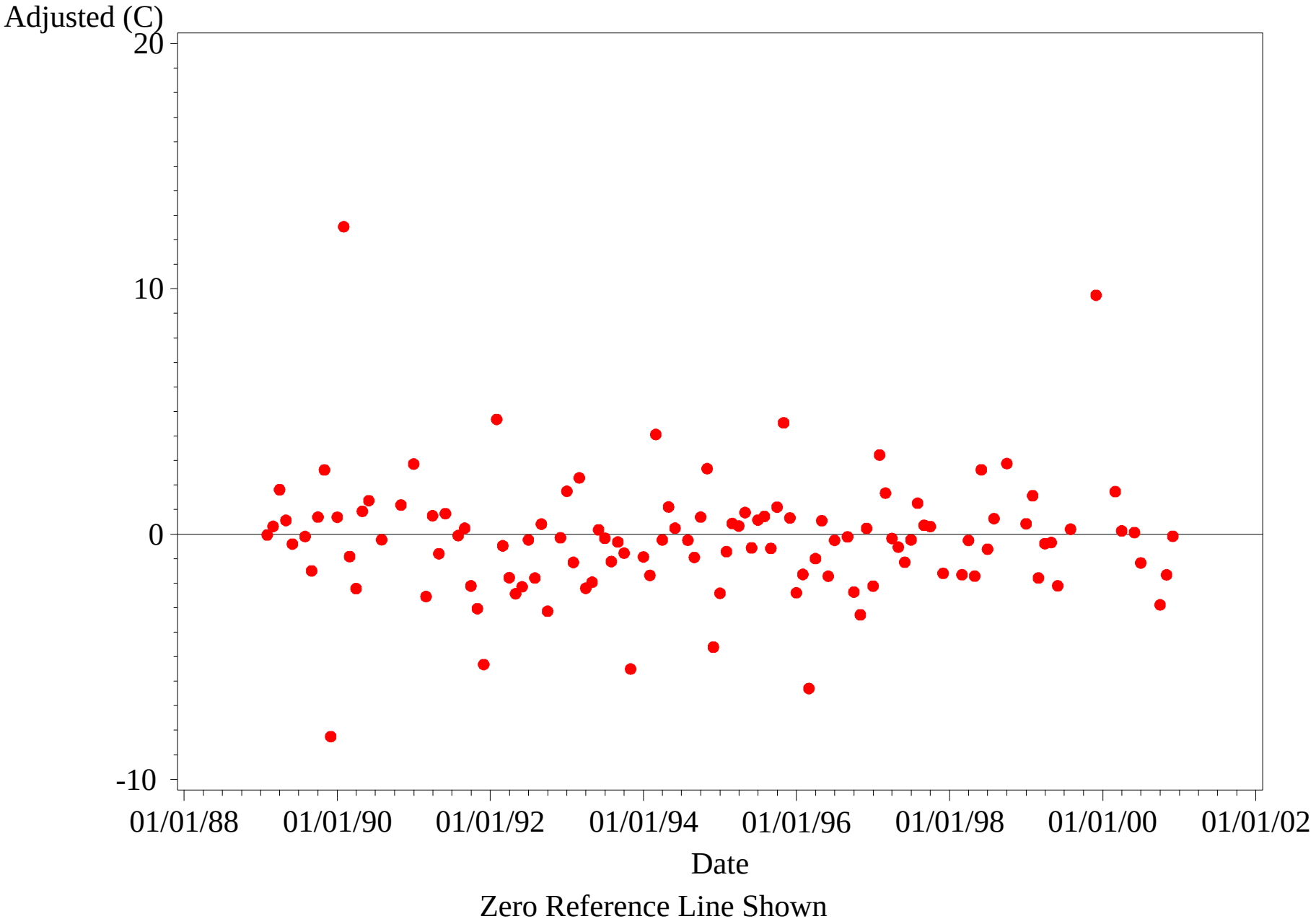
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58026SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.05	0.51456	0.57024	0.03

Lemon Bay Trends Appendix - Display 259

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended
at FDEP Station 58026SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 260

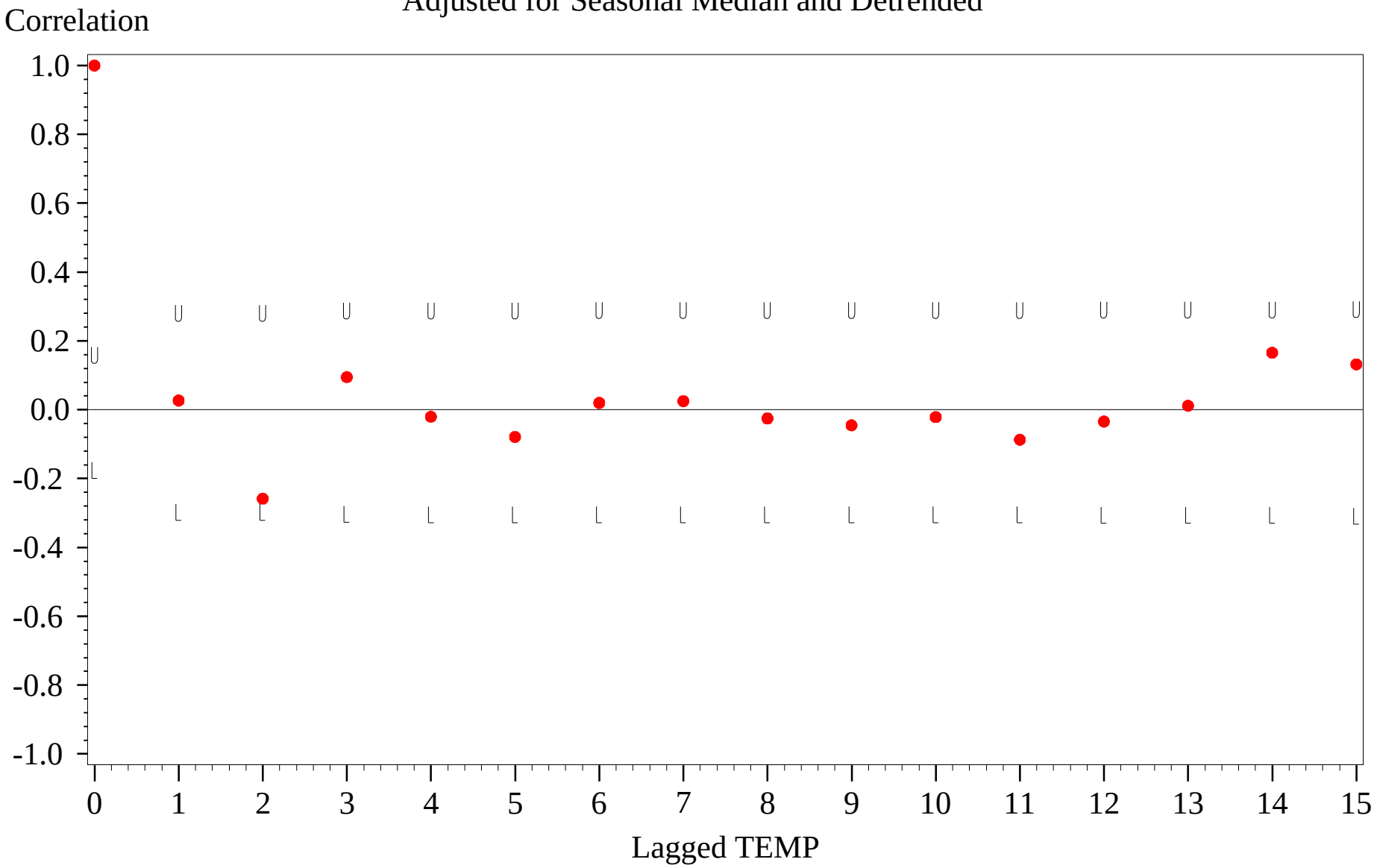
Autocorrelation Statistics for Surface Temperature at FDEP Station 58026SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.083	0.167	-0.167
1	0.027	0.144	0.289	-0.289
2	-0.258	0.144	0.289	-0.289
3	0.095	0.148	0.295	-0.295
4	-0.020	0.148	0.296	-0.296
5	-0.079	0.148	0.296	-0.296
6	0.020	0.148	0.297	-0.297
7	0.025	0.148	0.297	-0.297
8	-0.025	0.148	0.297	-0.297
9	-0.045	0.148	0.297	-0.297
10	-0.021	0.148	0.297	-0.297
11	-0.087	0.148	0.297	-0.297
12	-0.034	0.149	0.298	-0.298
13	0.012	0.149	0.298	-0.298
14	0.166	0.149	0.298	-0.298
15	0.132	0.150	0.300	-0.300

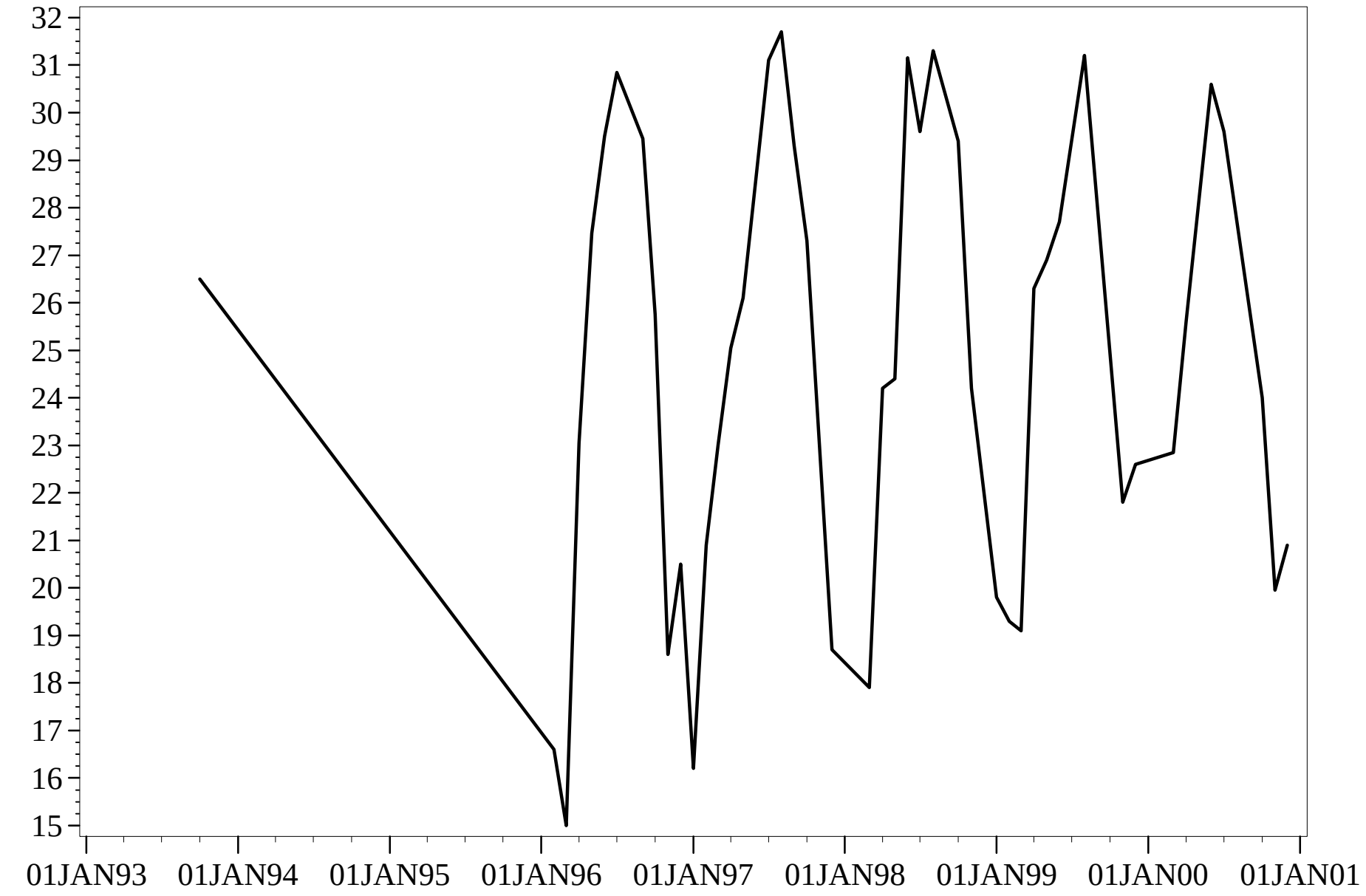
Lemon Bay Trends Appendix - Display 261
Correlogram for Surface Temperature at FDEP Station 58026SEAS

Adjusted for Seasonal Median and Detrended



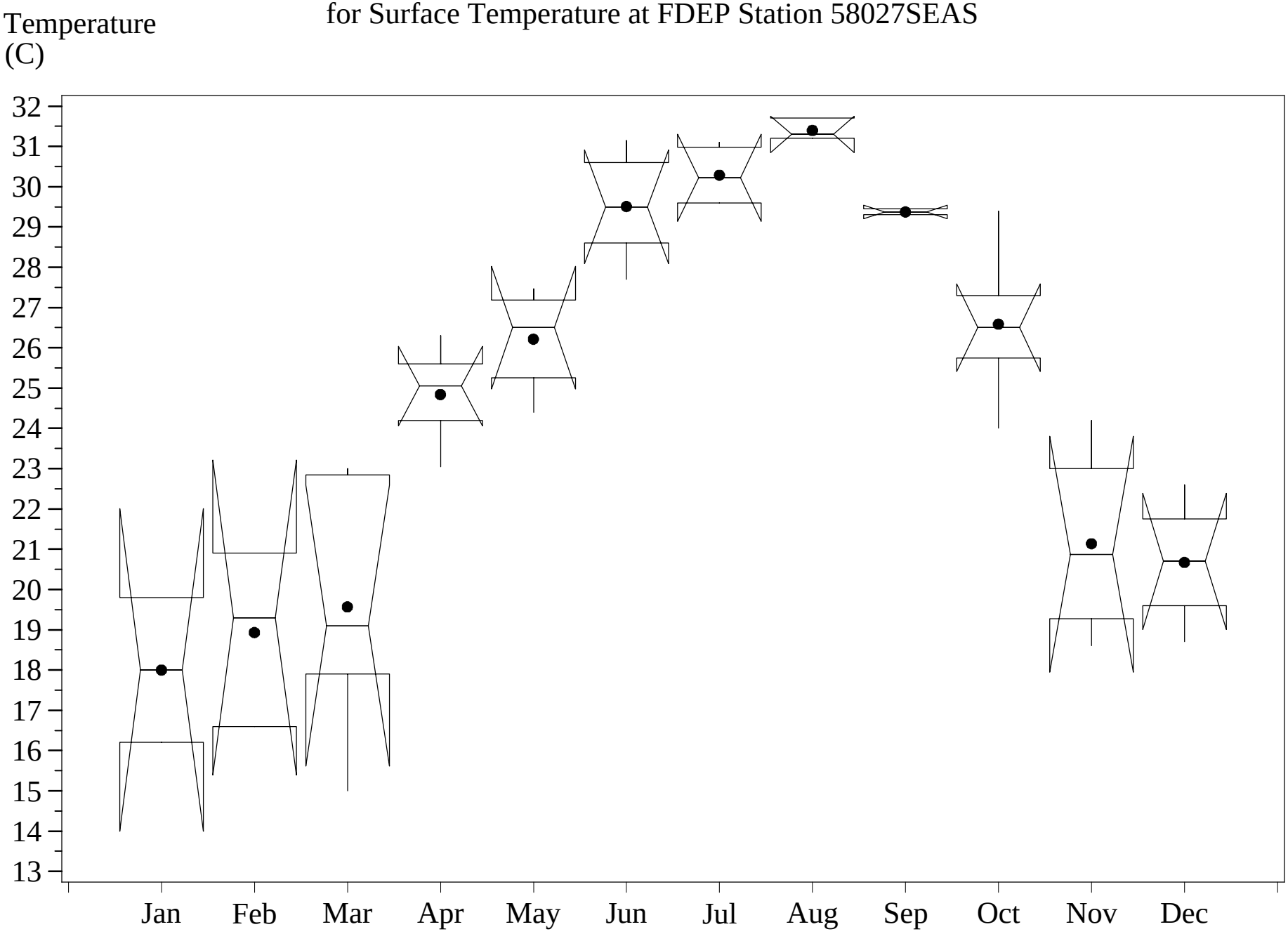
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 262
Monthly Data Time Series
for Surface Temperature at FDEP Station 58027SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 263

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 58027SEAS



Lemon Bay Trends Appendix - Display 264

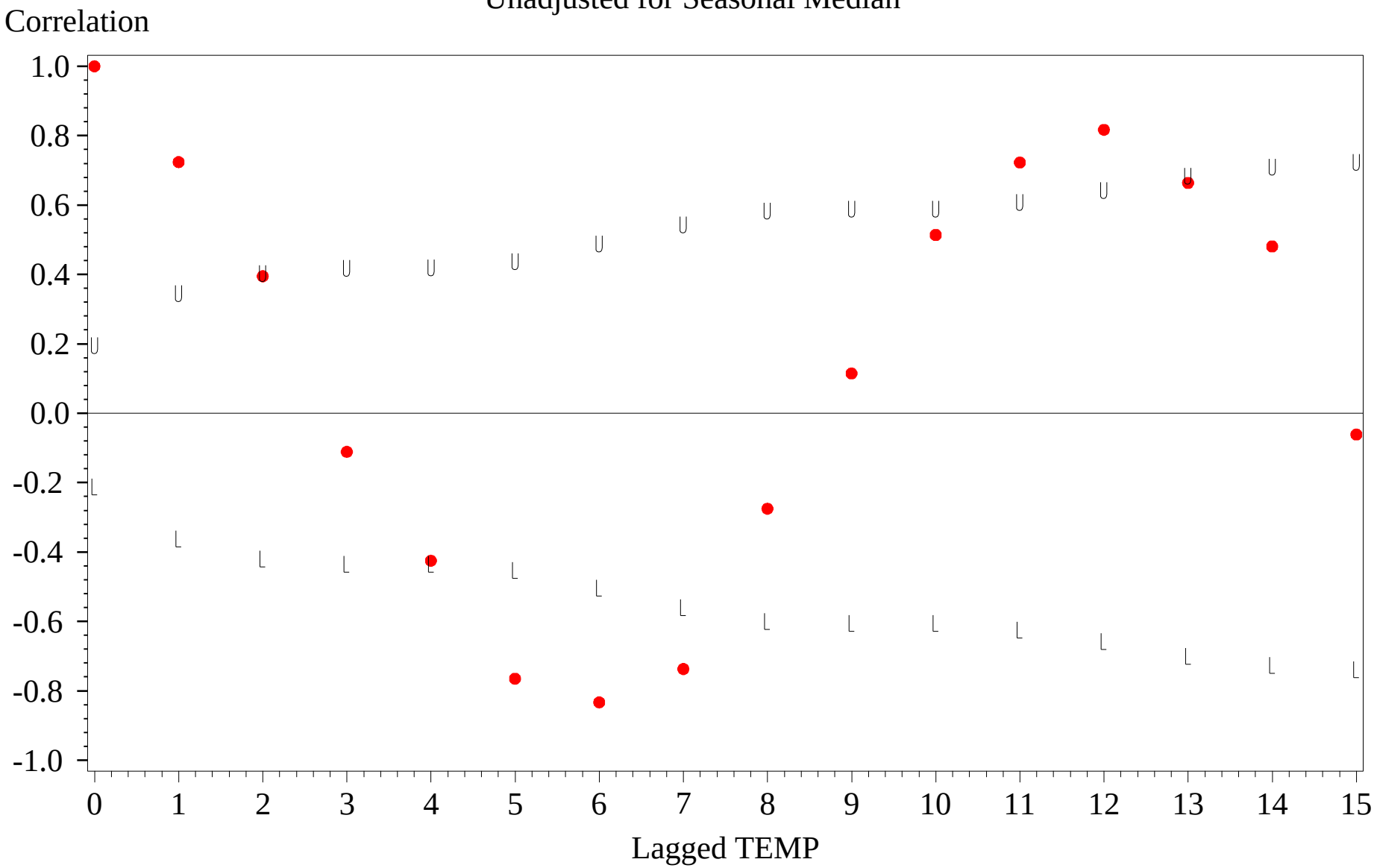
Autocorrelation Statistics for Surface Temperature at FDEP Station 58027SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.724	0.177	0.354	-0.354
2	0.395	0.205	0.411	-0.411
3	-0.111	0.213	0.426	-0.426
4	-0.425	0.214	0.427	-0.427
5	-0.765	0.222	0.445	-0.445
6	-0.833	0.248	0.496	-0.496
7	-0.737	0.276	0.552	-0.552
8	-0.275	0.296	0.591	-0.591
9	0.115	0.298	0.597	-0.597
10	0.514	0.299	0.597	-0.597
11	0.723	0.308	0.616	-0.616
12	0.817	0.325	0.650	-0.650
13	0.664	0.346	0.692	-0.692
14	0.481	0.359	0.718	-0.718
15	-0.061	0.365	0.731	-0.731

Lemon Bay Trends Appendix - Display 265
Correlogram for Surface Temperature at FDEP Station 58027SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 266

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58027SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.069	0.702	0.632	0.192

Lemon Bay Trends Appendix - Display 267

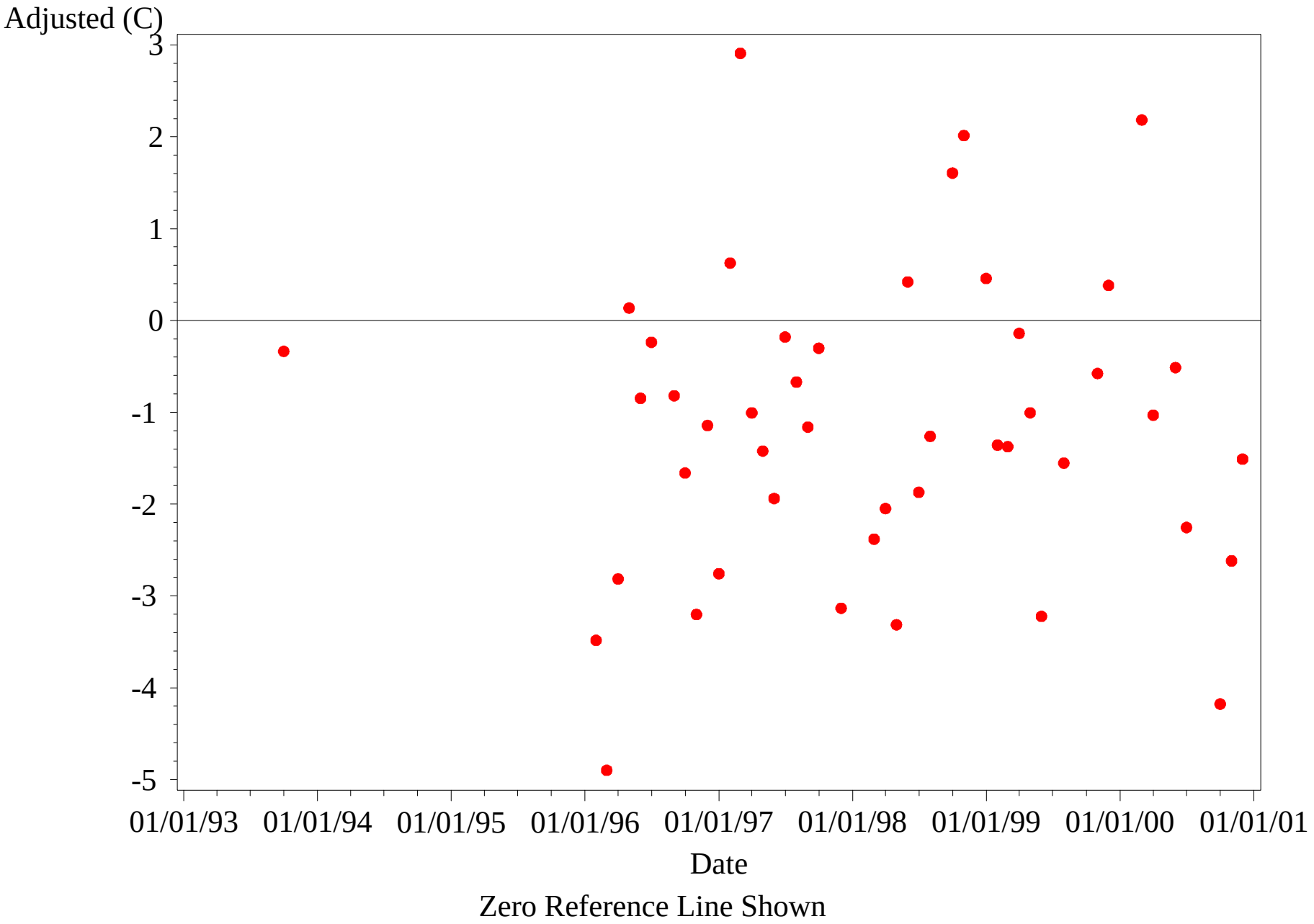
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58027SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.069444	0.70249	0.63177	0.19167

Lemon Bay Trends Appendix - Display 268

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 58027SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 269

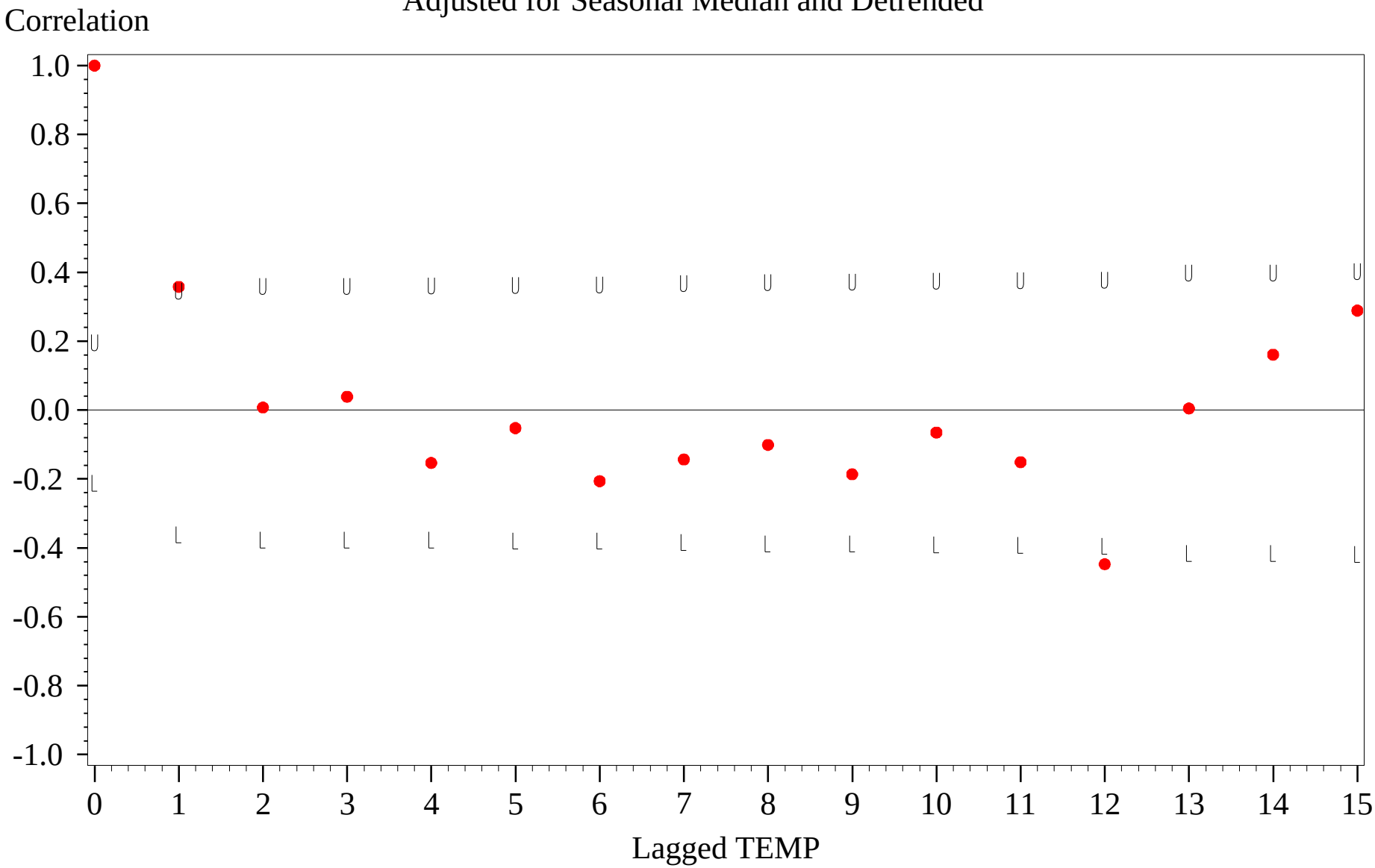
Autocorrelation Statistics for Surface Temperature at FDEP Station 58027SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.358	0.177	0.354	-0.354
2	0.008	0.184	0.368	-0.368
3	0.039	0.184	0.368	-0.368
4	-0.153	0.184	0.369	-0.369
5	-0.052	0.186	0.371	-0.371
6	-0.206	0.186	0.372	-0.372
7	-0.143	0.188	0.376	-0.376
8	-0.101	0.189	0.379	-0.379
9	-0.186	0.190	0.380	-0.380
10	-0.065	0.192	0.383	-0.383
11	-0.151	0.192	0.384	-0.384
12	-0.447	0.193	0.386	-0.386
13	0.005	0.204	0.407	-0.407
14	0.161	0.204	0.407	-0.407
15	0.289	0.205	0.410	-0.410

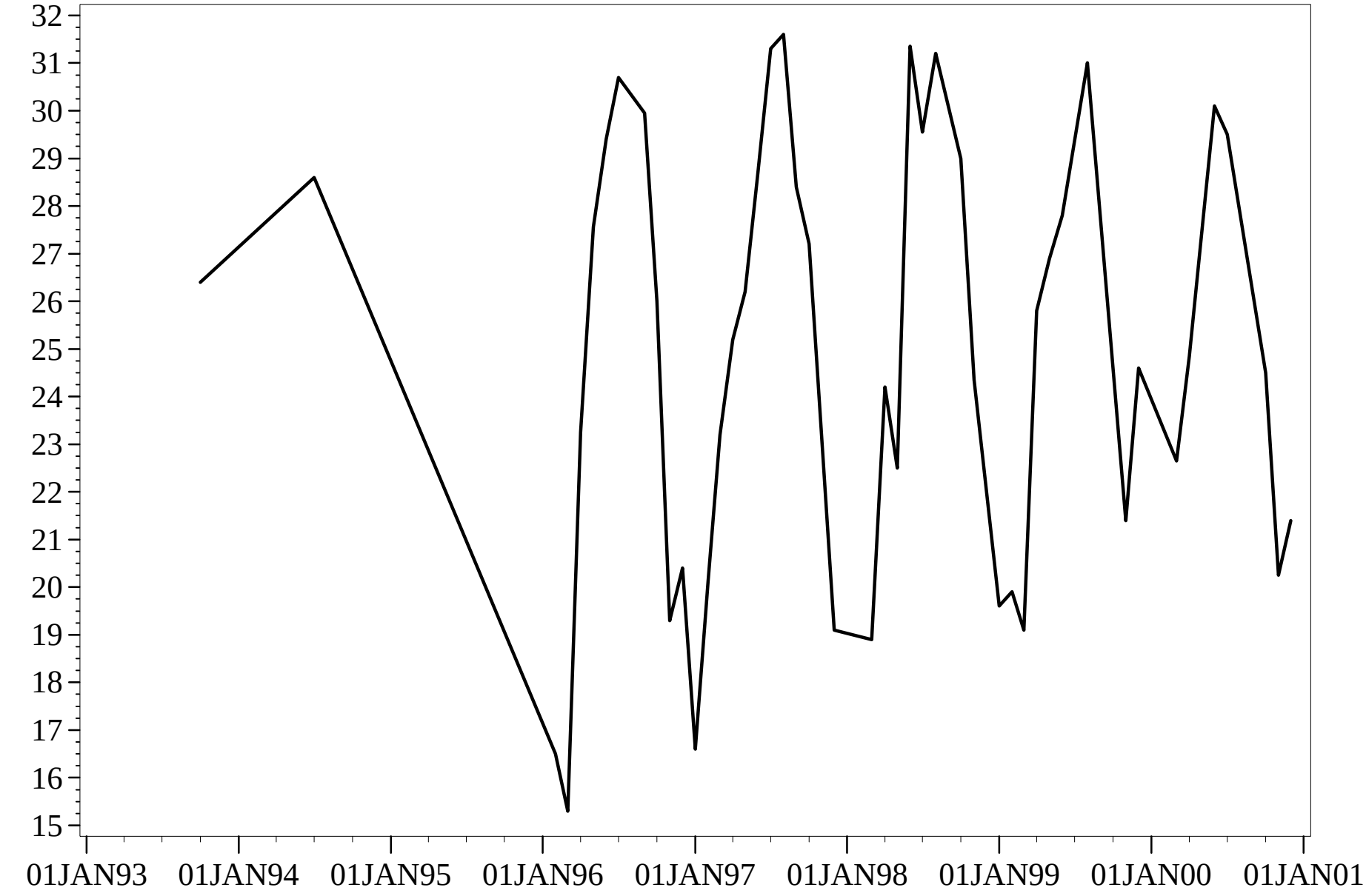
Lemon Bay Trends Appendix - Display 270
Correlogram for Surface Temperature at FDEP Station 58027SEAS

Adjusted for Seasonal Median and Detrended



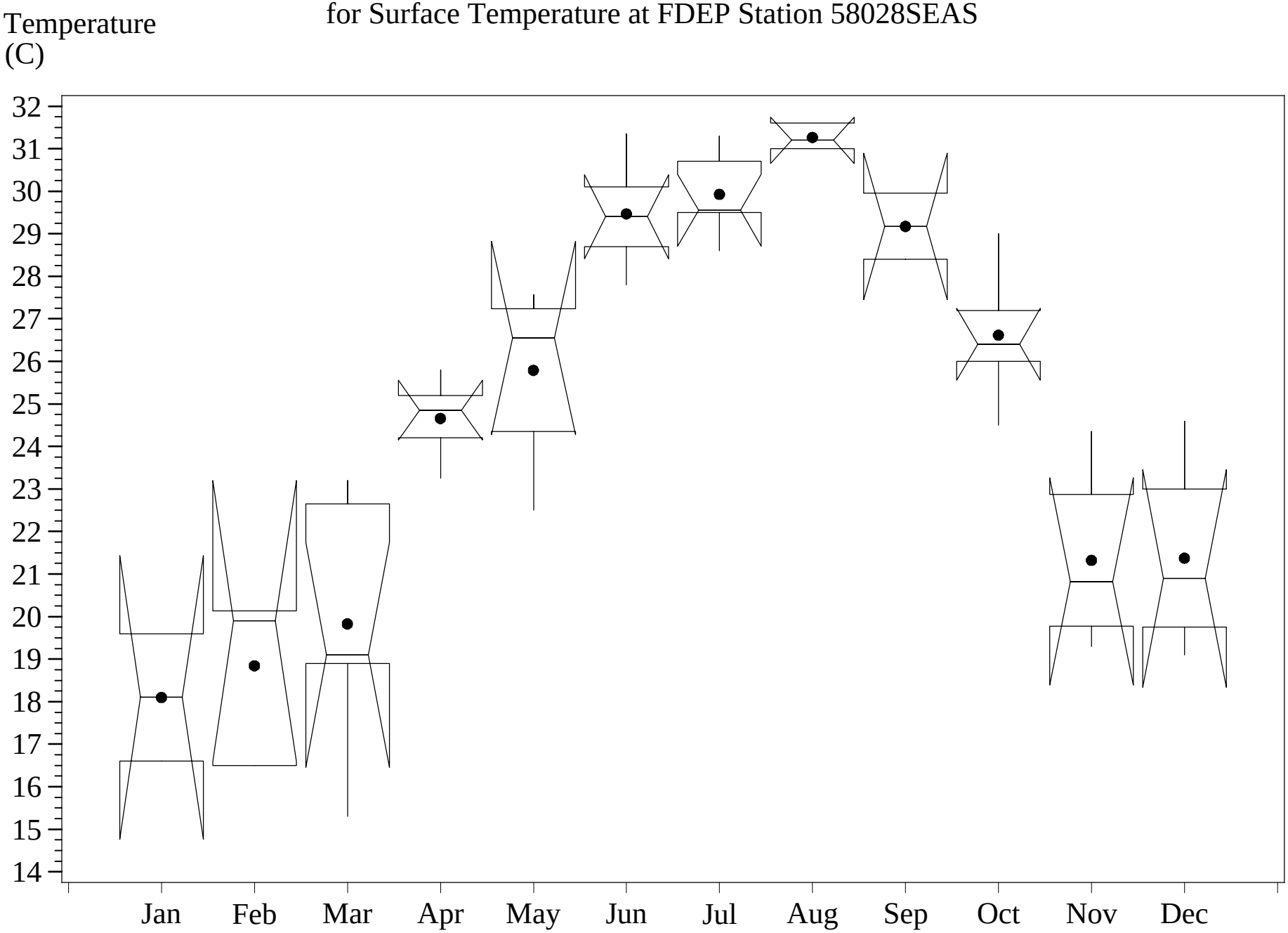
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 271
Monthly Data Time Series
for Surface Temperature at FDEP Station 58028SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 272

Seasonal Univariate Statistics
for Surface Temperature at FDEP Station 58028SEAS



Lemon Bay Trends Appendix - Display 273

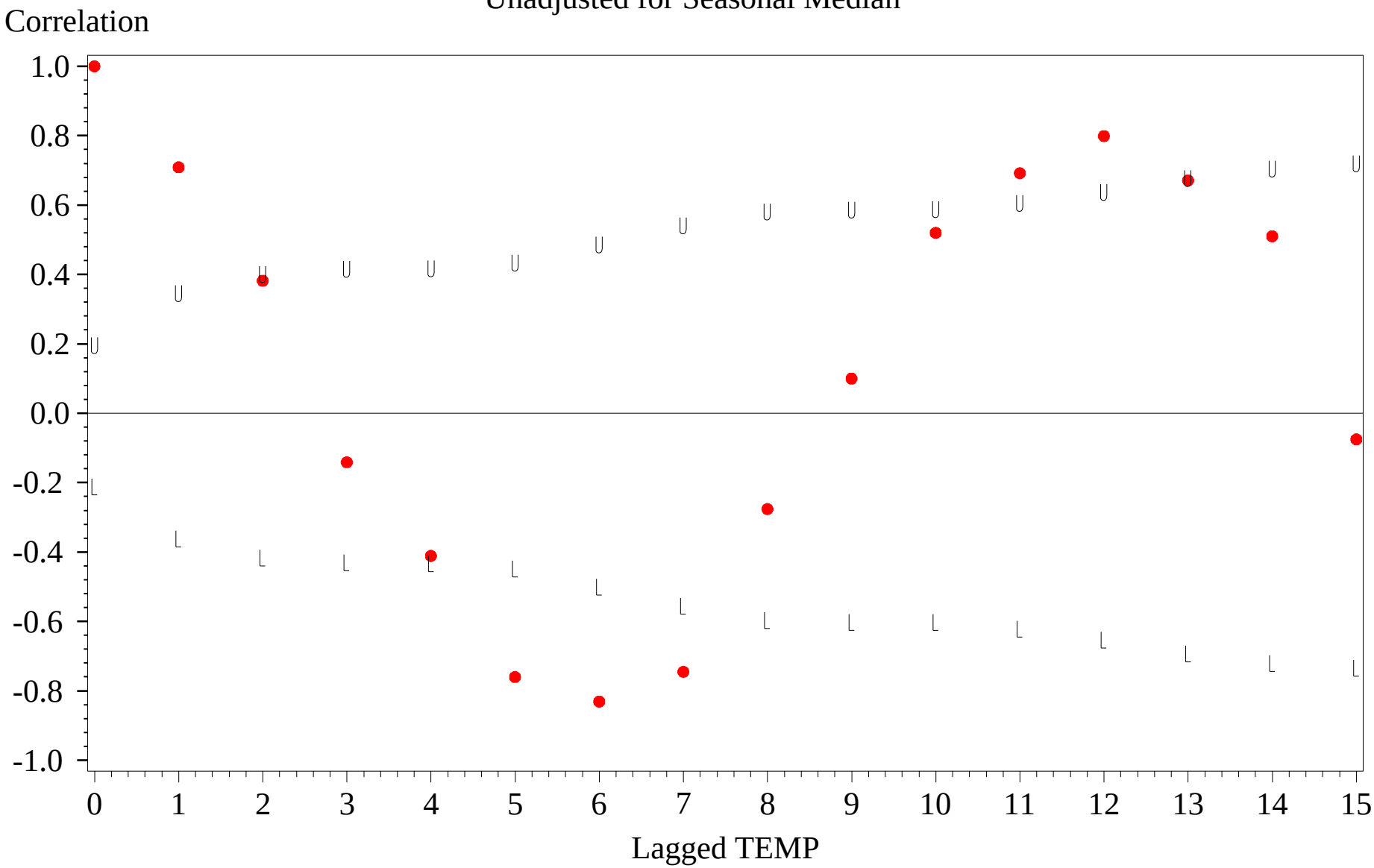
Autocorrelation Statistics for Surface Temperature at FDEP Station 58028SEAS

Unadjusted for Seasonal Medians

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.709	0.177	0.354	-0.354
2	0.382	0.204	0.408	-0.408
3	-0.141	0.212	0.423	-0.423
4	-0.411	0.213	0.425	-0.425
5	-0.760	0.221	0.441	-0.441
6	-0.831	0.246	0.493	-0.493
7	-0.745	0.274	0.548	-0.548
8	-0.276	0.294	0.589	-0.589
9	0.100	0.297	0.594	-0.594
10	0.520	0.297	0.595	-0.595
11	0.692	0.307	0.614	-0.614
12	0.799	0.323	0.645	-0.645
13	0.671	0.343	0.685	-0.685
14	0.510	0.356	0.712	-0.712
15	-0.075	0.364	0.727	-0.727

Lemon Bay Trends Appendix - Display 274
Correlogram for Surface Temperature at FDEP Station 58028SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 275

Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58028SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.079	0.646	0.598	0.2

Lemon Bay Trends Appendix - Display 276

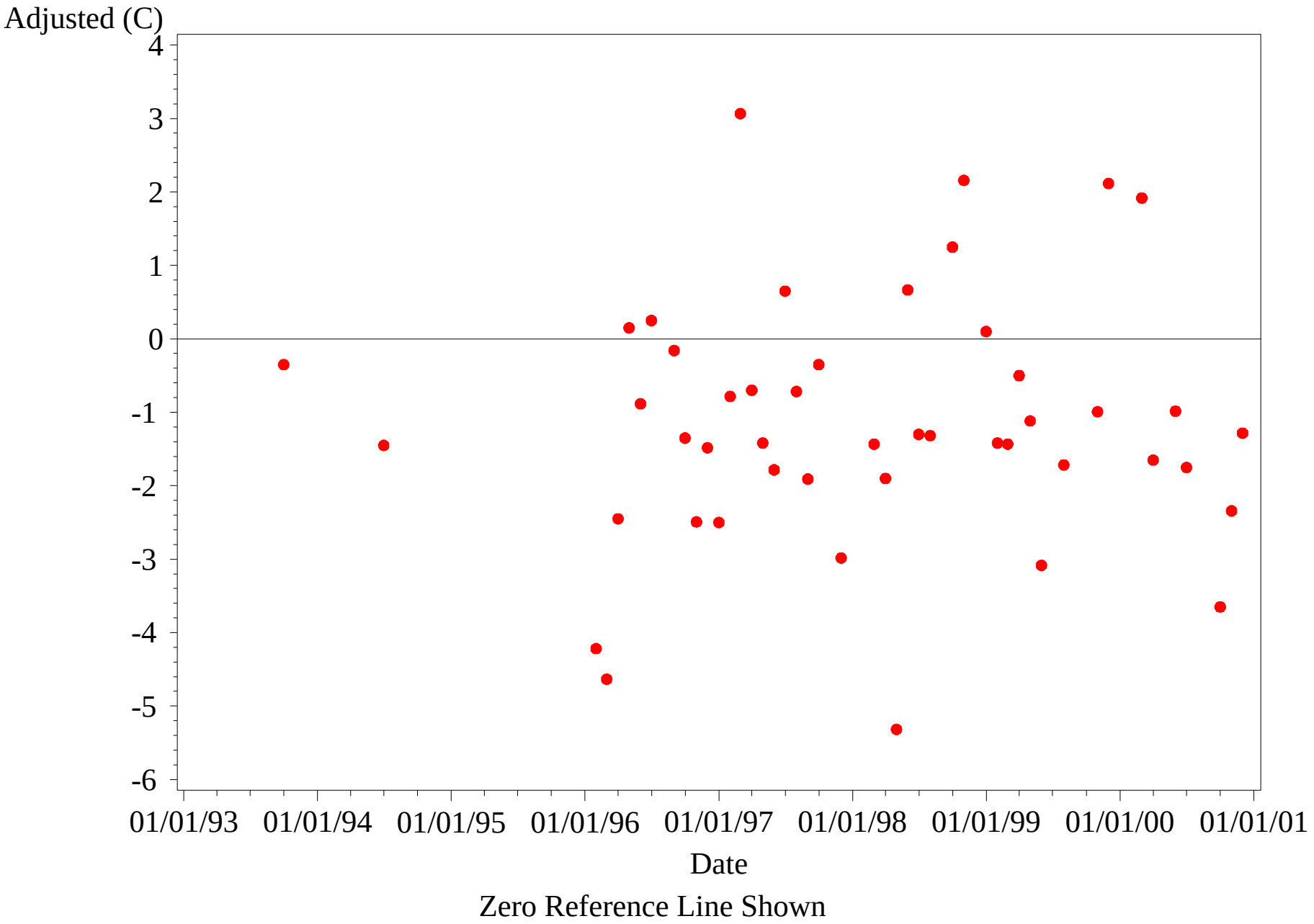
Seasonal Kendall Tau Trend Test Statistics
for Surface Temperature at FDEP Station 58028SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.078947	0.64624	0.59816	0.2

Lemon Bay Trends Appendix - Display 277

Time Series Plot of Surface Temperature Data Adjusted for Season and Detrended at FDEP Station 58028SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 278

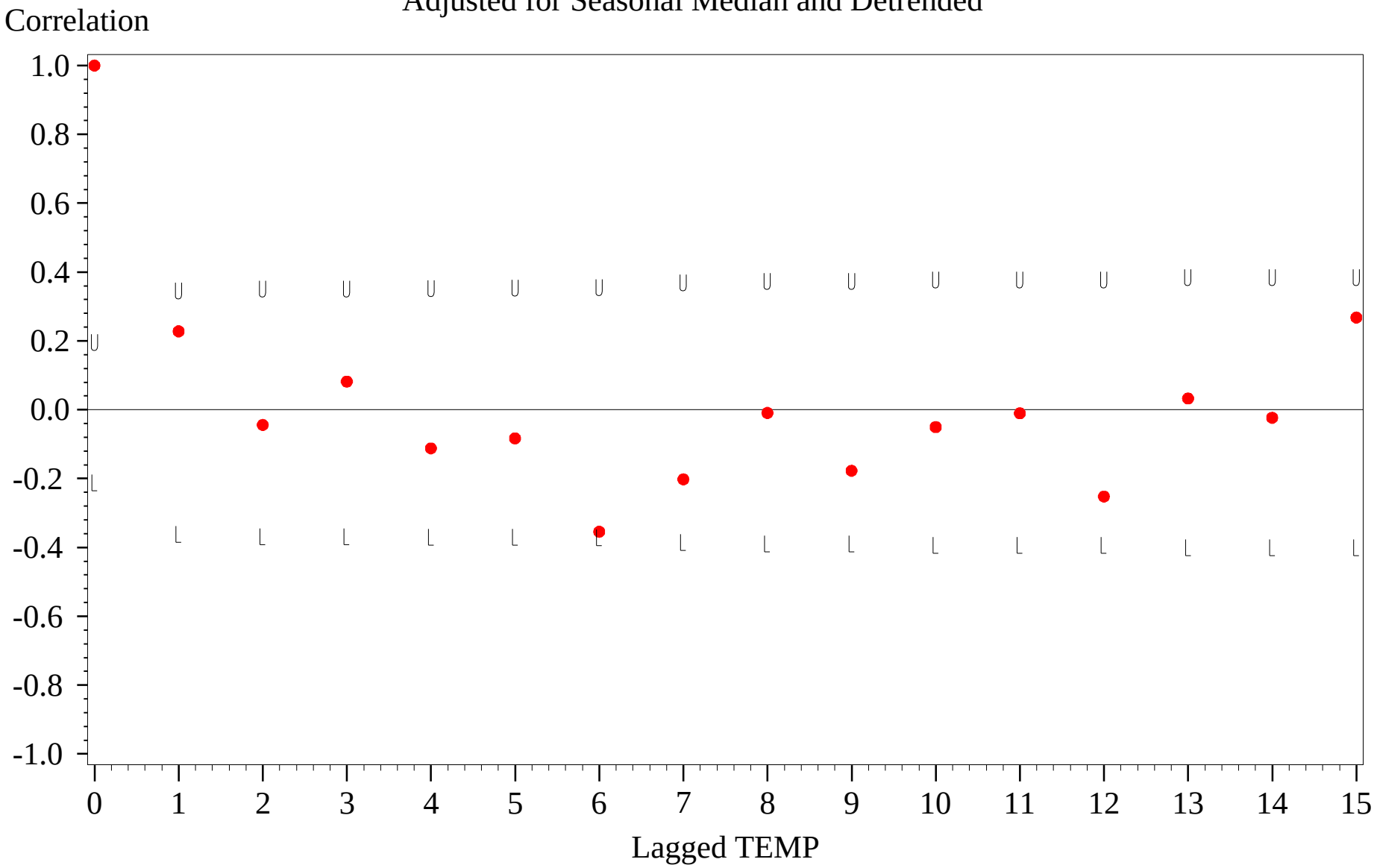
Autocorrelation Statistics for Surface Temperature at FDEP Station 58028SEAS

Adjusted for Seasonal Median and Detrended

Lagged TEMP	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.228	0.177	0.354	-0.354
2	-0.044	0.180	0.360	-0.360
3	0.082	0.180	0.360	-0.360
4	-0.112	0.180	0.361	-0.361
5	-0.083	0.181	0.362	-0.362
6	-0.354	0.181	0.363	-0.363
7	-0.202	0.188	0.377	-0.377
8	-0.009	0.191	0.381	-0.381
9	-0.177	0.191	0.381	-0.381
10	-0.050	0.192	0.385	-0.385
11	-0.010	0.193	0.385	-0.385
12	-0.252	0.193	0.385	-0.385
13	0.033	0.196	0.392	-0.392
14	-0.023	0.196	0.392	-0.392
15	0.268	0.196	0.392	-0.392

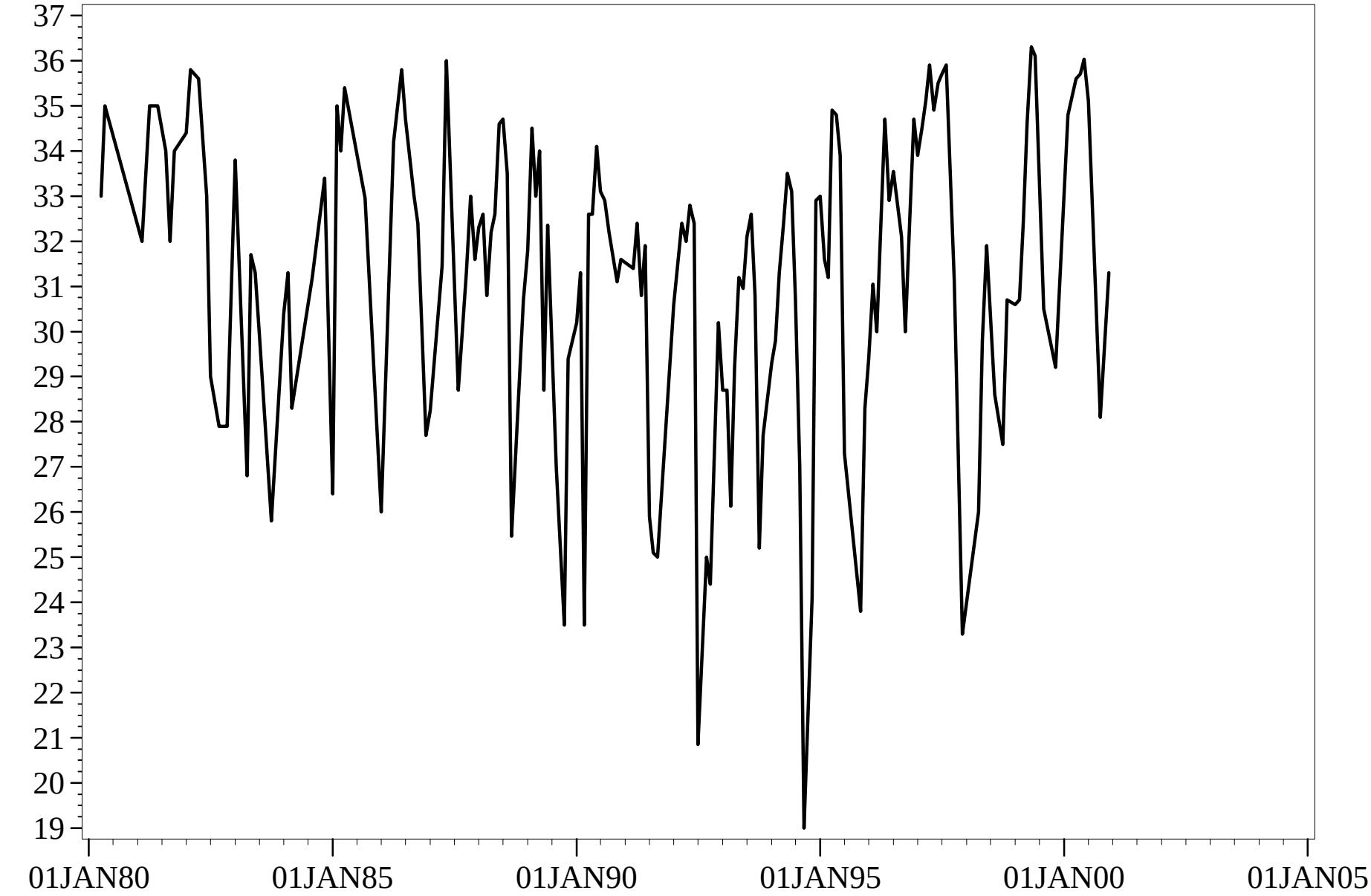
Lemon Bay Trends Appendix - Display 279
Correlogram for Surface Temperature at FDEP Station 58028SEAS

Adjusted for Seasonal Median and Detrended



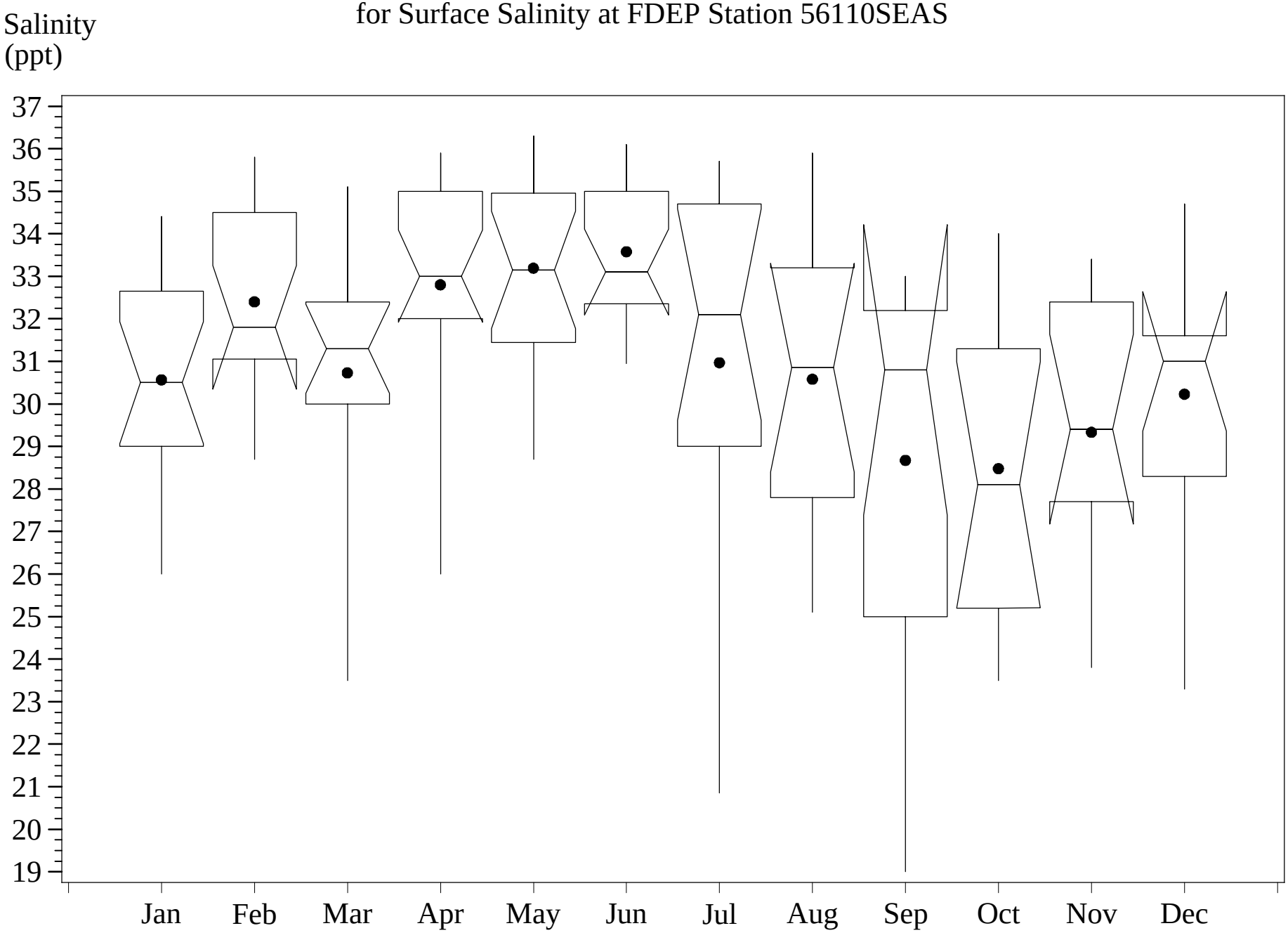
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 280
Monthly Data Time Series
for Surface Salinity at FDEP Station 56110SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 281

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56110SEAS



Lemon Bay Trends Appendix - Display 282

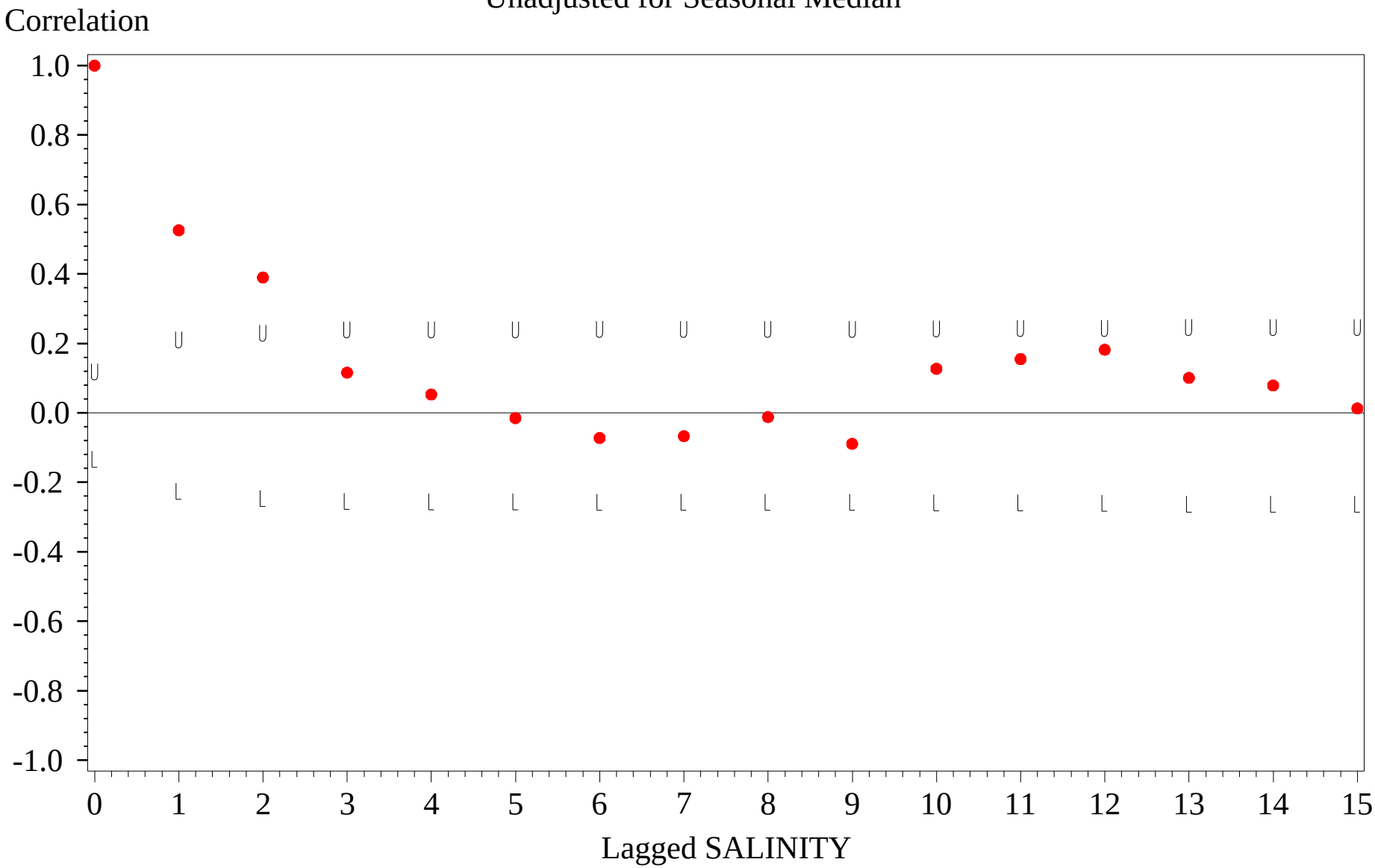
Autocorrelation Statistics for Surface Salinity at FDEP Station 56110SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.526	0.109	0.218	-0.218
2	0.390	0.119	0.238	-0.238
3	0.116	0.124	0.247	-0.247
4	0.053	0.124	0.248	-0.248
5	-0.015	0.124	0.248	-0.248
6	-0.072	0.124	0.249	-0.249
7	-0.067	0.124	0.249	-0.249
8	-0.012	0.125	0.249	-0.249
9	-0.089	0.125	0.249	-0.249
10	0.127	0.125	0.250	-0.250
11	0.155	0.125	0.251	-0.251
12	0.182	0.126	0.252	-0.252
13	0.101	0.127	0.254	-0.254
14	0.079	0.127	0.255	-0.255
15	0.013	0.128	0.255	-0.255

Lemon Bay Trends Appendix - Display 283
Correlogram for Surface Salinity at FDEP Station 56110SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 284

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56110SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.002	0.988	0.993	0

Lemon Bay Trends Appendix - Display 285

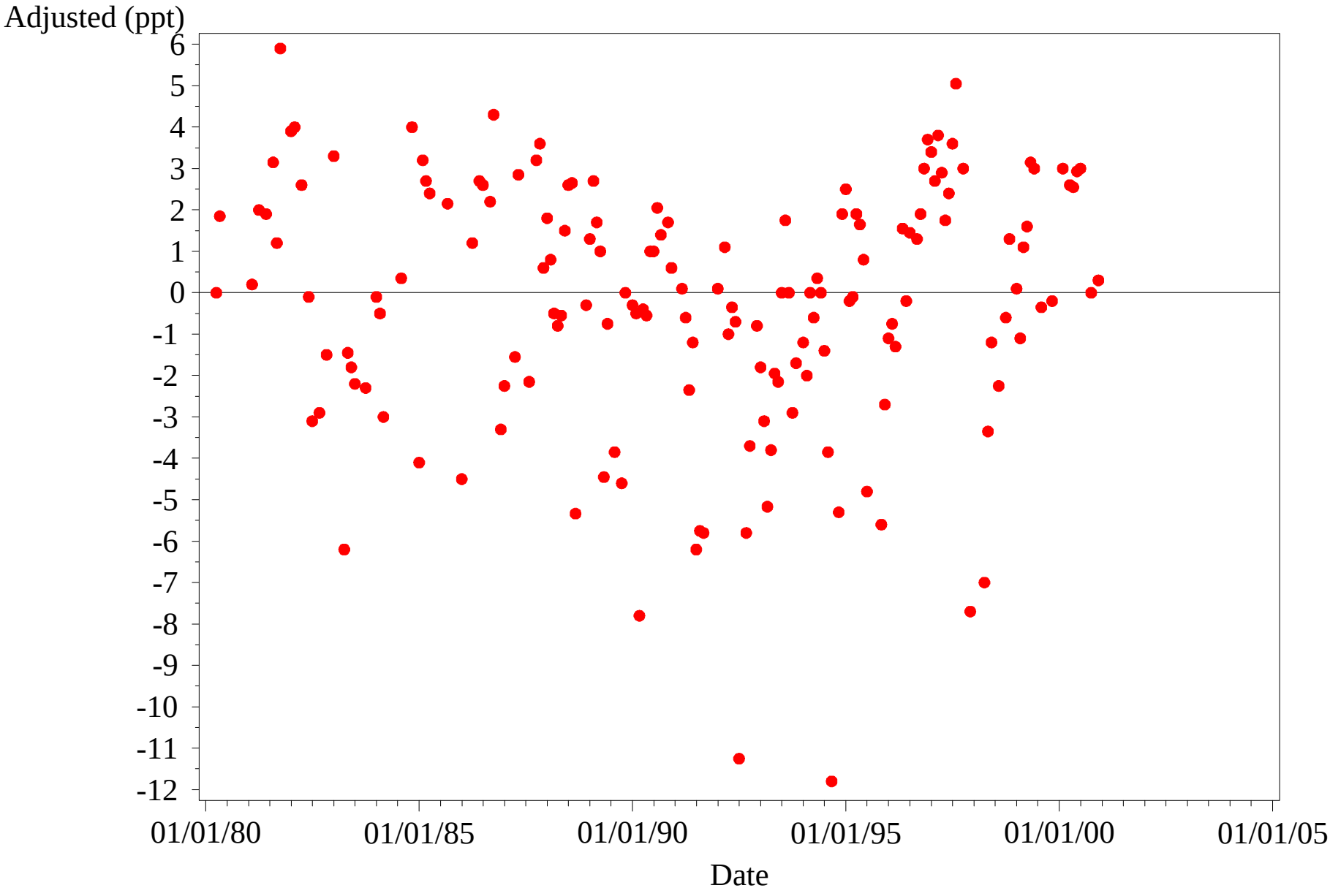
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56110SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.00186916	0.98752	0.99251	0

Lemon Bay Trends Appendix - Display 286

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56110SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 287

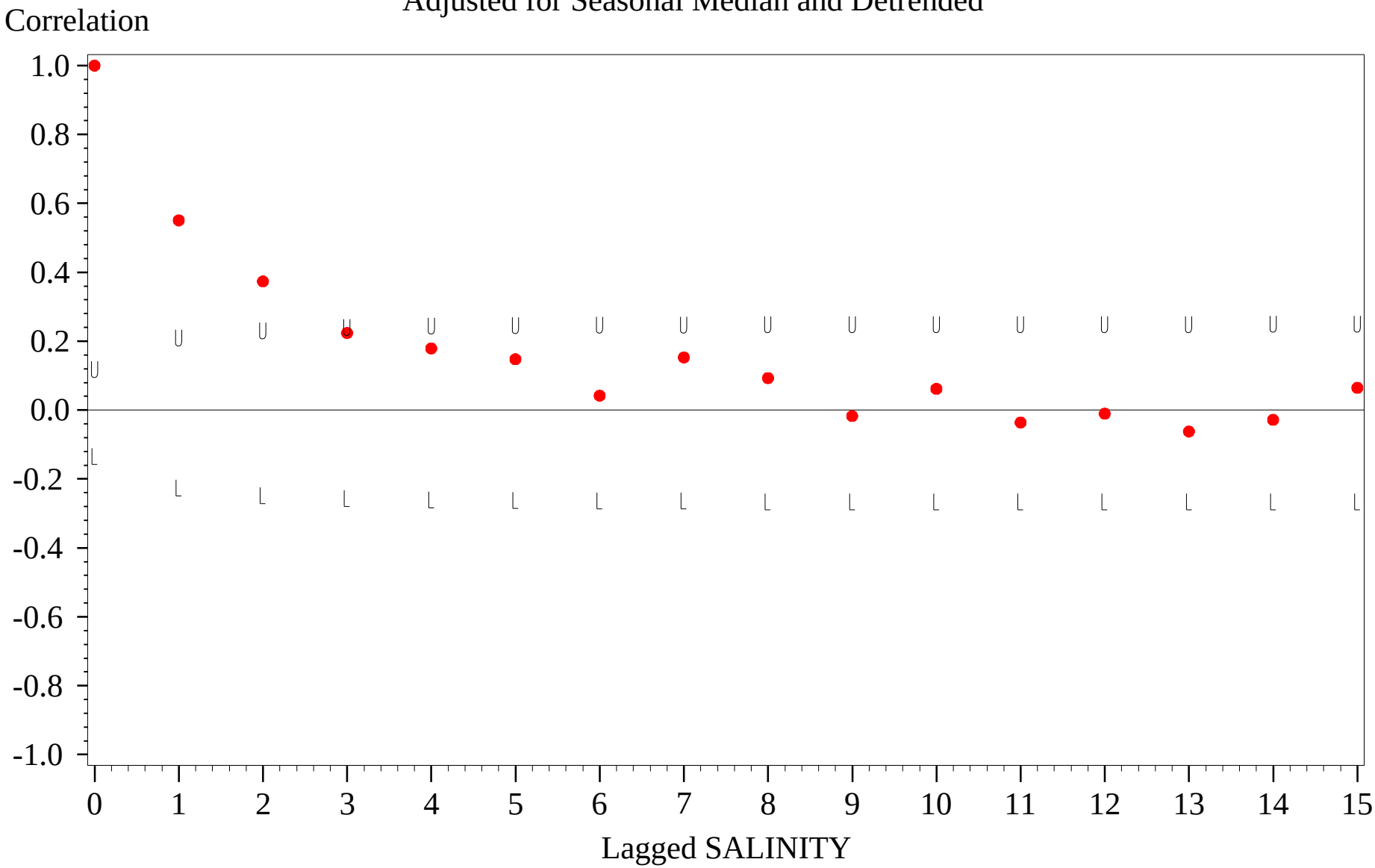
Autocorrelation Statistics for Surface Salinity at FDEP Station 56110SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.551	0.109	0.218	-0.218
2	0.374	0.120	0.239	-0.239
3	0.224	0.124	0.248	-0.248
4	0.179	0.126	0.252	-0.252
5	0.148	0.127	0.254	-0.254
6	0.042	0.127	0.255	-0.255
7	0.153	0.128	0.255	-0.255
8	0.093	0.128	0.257	-0.257
9	-0.017	0.129	0.257	-0.257
10	0.062	0.129	0.257	-0.257
11	-0.036	0.129	0.257	-0.257
12	-0.010	0.129	0.257	-0.257
13	-0.062	0.129	0.257	-0.257
14	-0.028	0.129	0.258	-0.258
15	0.065	0.129	0.258	-0.258

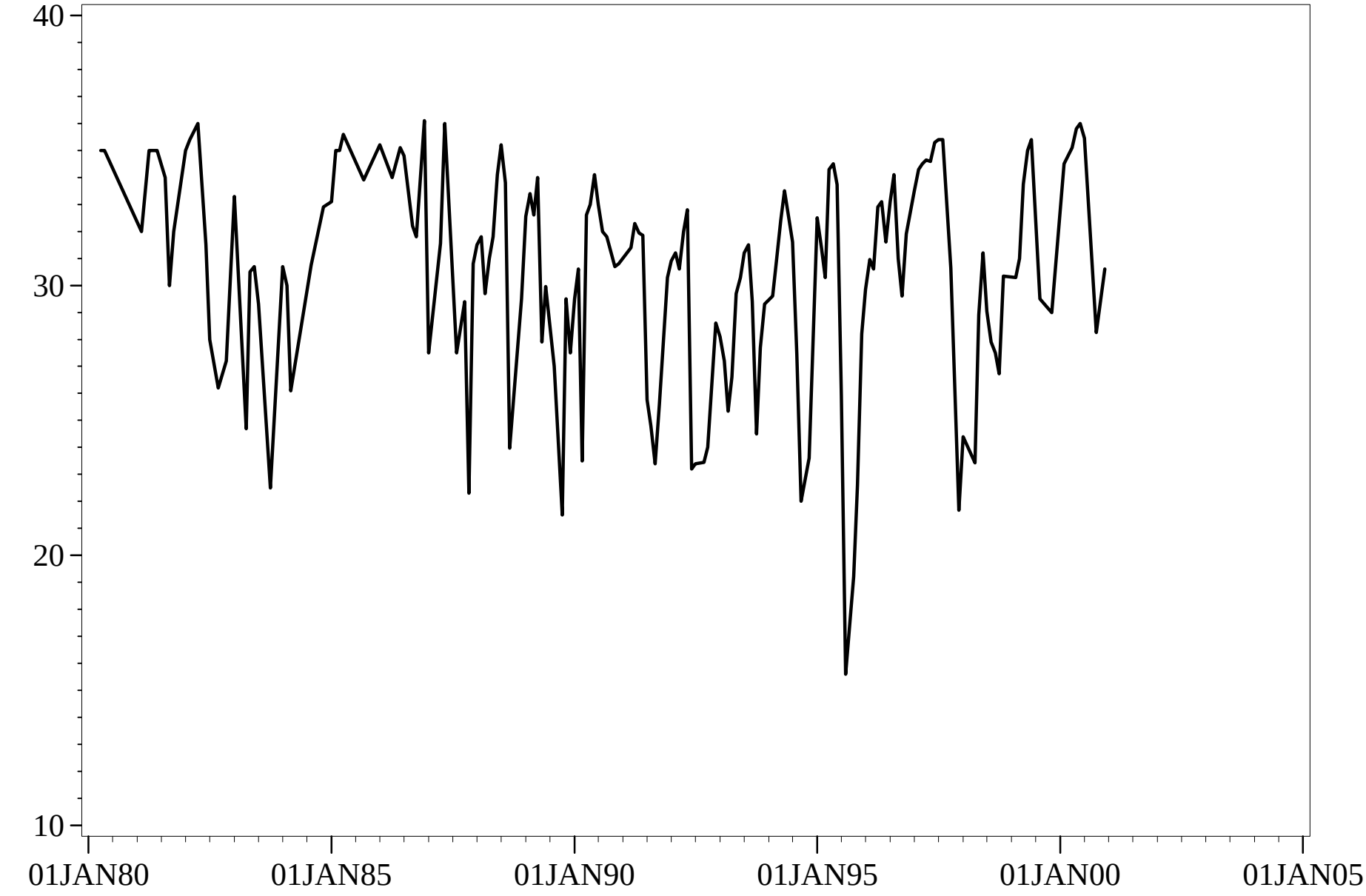
Lemon Bay Trends Appendix - Display 288
Correlogram for Surface Salinity at FDEP Station 56110SEAS

Adjusted for Seasonal Median and Detrended



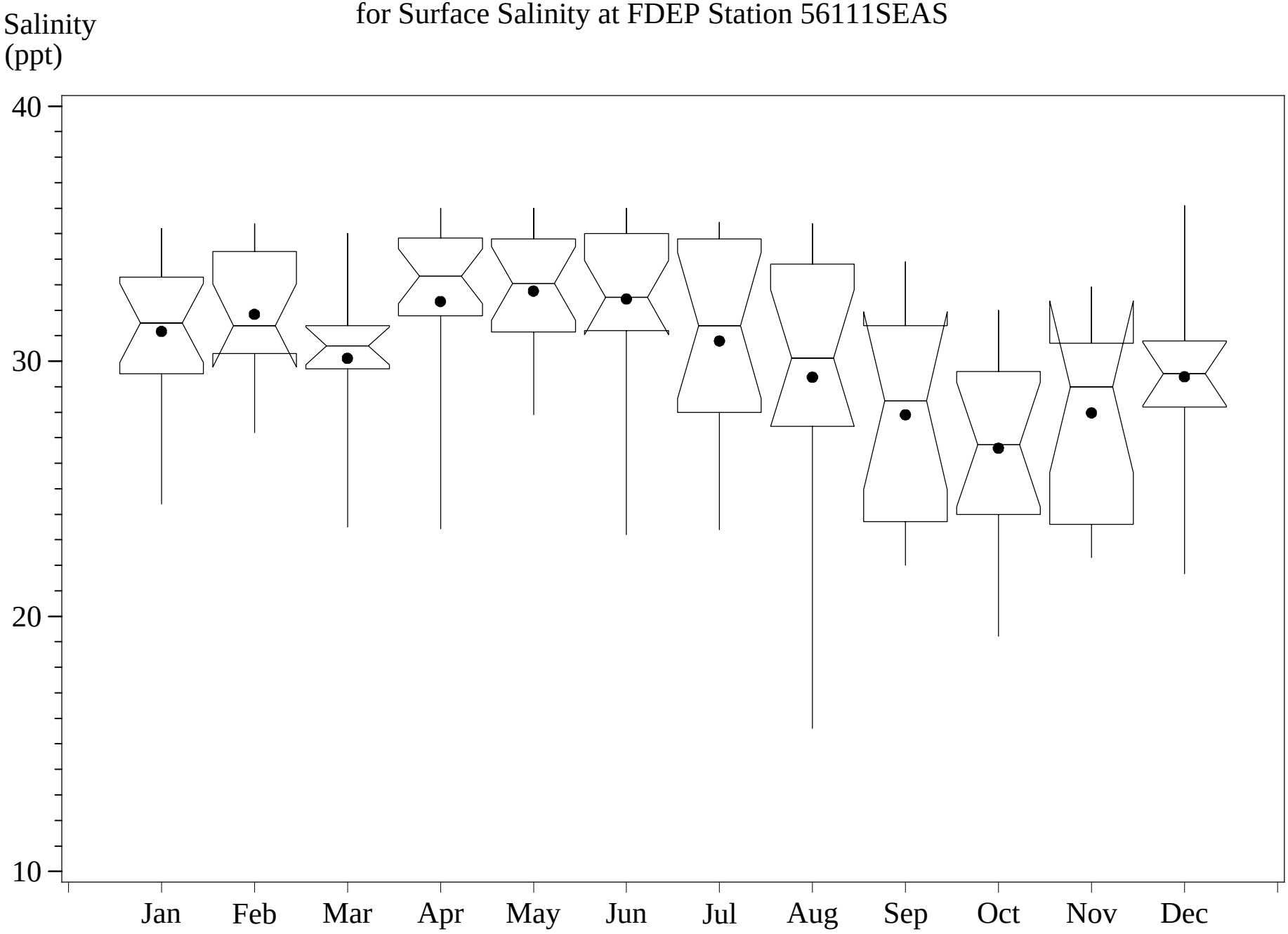
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 289
Monthly Data Time Series
for Surface Salinity at FDEP Station 56111SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 290

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56111SEAS



Lemon Bay Trends Appendix - Display 291

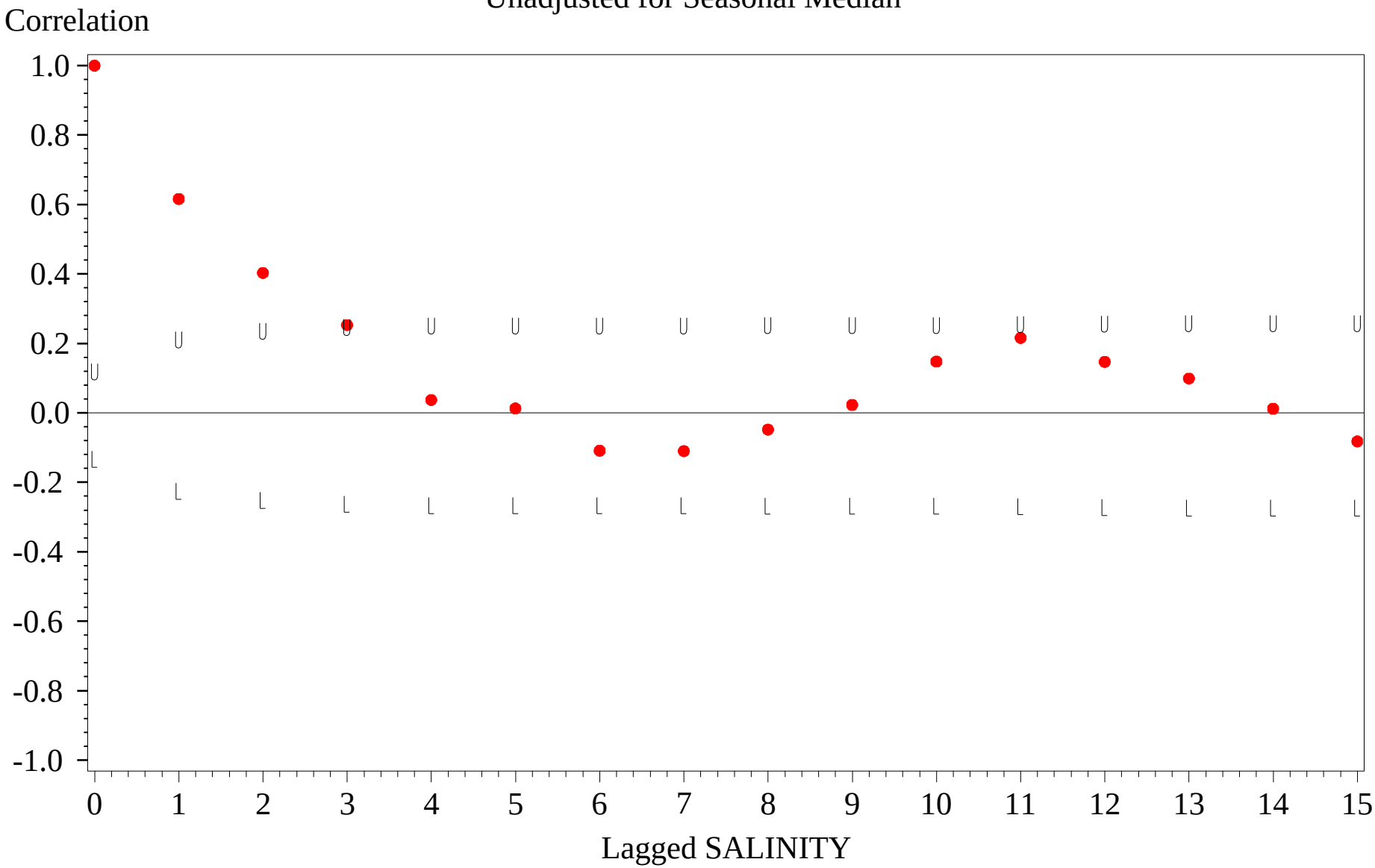
Autocorrelation Statistics for Surface Salinity at FDEP Station 56111SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.616	0.109	0.218	-0.218
2	0.403	0.122	0.244	-0.244
3	0.253	0.127	0.255	-0.255
4	0.037	0.129	0.259	-0.259
5	0.013	0.129	0.259	-0.259
6	-0.109	0.129	0.259	-0.259
7	-0.110	0.130	0.259	-0.259
8	-0.048	0.130	0.260	-0.260
9	0.023	0.130	0.260	-0.260
10	0.148	0.130	0.260	-0.260
11	0.216	0.131	0.262	-0.262
12	0.147	0.132	0.264	-0.264
13	0.099	0.133	0.266	-0.266
14	0.012	0.133	0.266	-0.266
15	-0.082	0.133	0.266	-0.266

Lemon Bay Trends Appendix - Display 292
Correlogram for Surface Salinity at FDEP Station 56111SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 293

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56111SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.036	0.545	0.742	-0.037

Lemon Bay Trends Appendix - Display 294

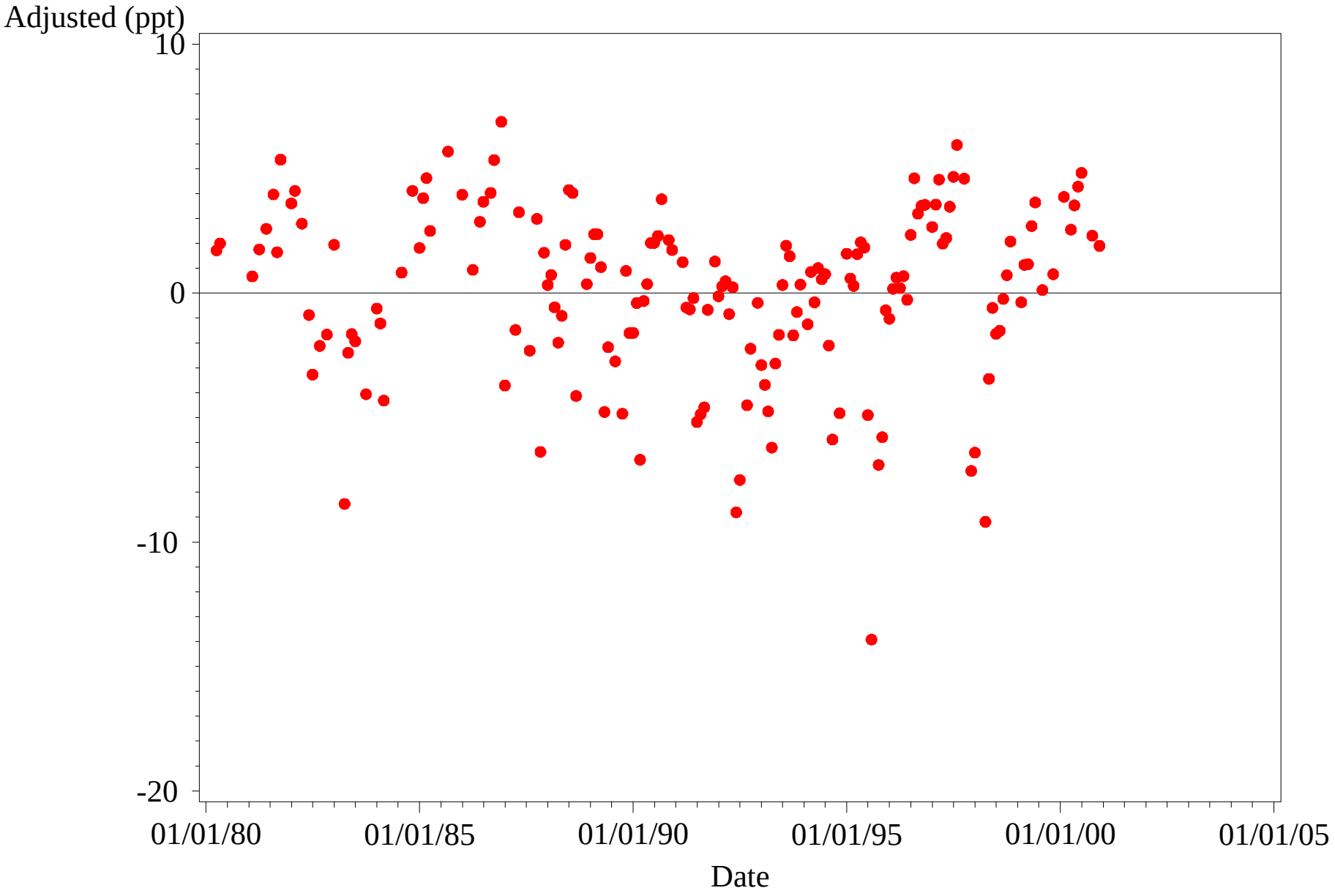
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56111SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.035897	0.54510	0.74159	-0.036667

Lemon Bay Trends Appendix - Display 295

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56111SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 296

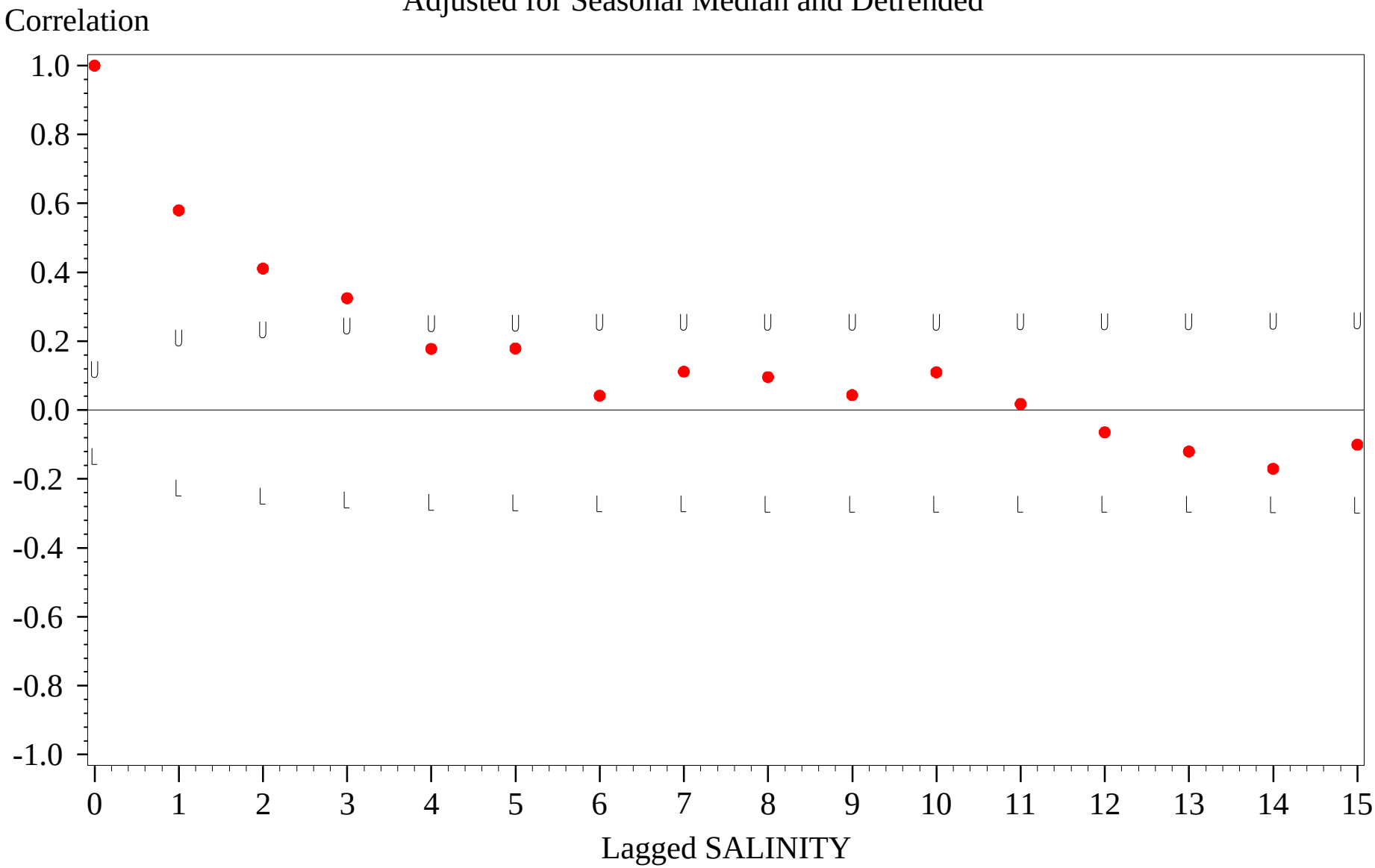
Autocorrelation Statistics for Surface Salinity at FDEP Station 56111SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.580	0.109	0.218	-0.218
2	0.411	0.121	0.241	-0.241
3	0.325	0.126	0.252	-0.252
4	0.178	0.129	0.259	-0.259
5	0.179	0.130	0.261	-0.261
6	0.042	0.131	0.263	-0.263
7	0.112	0.131	0.263	-0.263
8	0.096	0.132	0.264	-0.264
9	0.044	0.132	0.264	-0.264
10	0.110	0.132	0.264	-0.264
11	0.018	0.133	0.265	-0.265
12	-0.064	0.133	0.265	-0.265
13	-0.120	0.133	0.265	-0.265
14	-0.170	0.133	0.266	-0.266
15	-0.100	0.134	0.268	-0.268

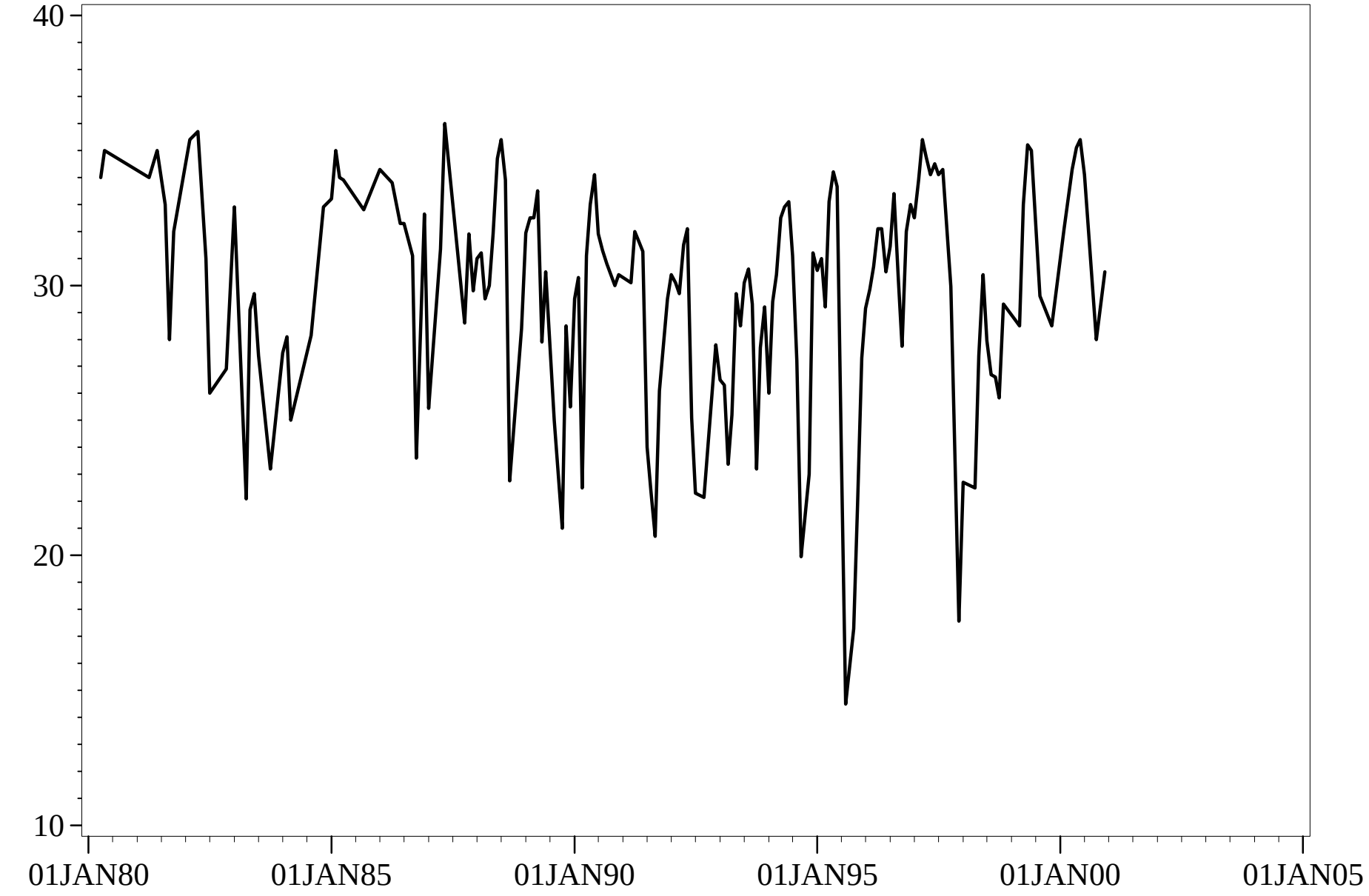
Lemon Bay Trends Appendix - Display 297
Correlogram for Surface Salinity at FDEP Station 56111SEAS

Adjusted for Seasonal Median and Detrended



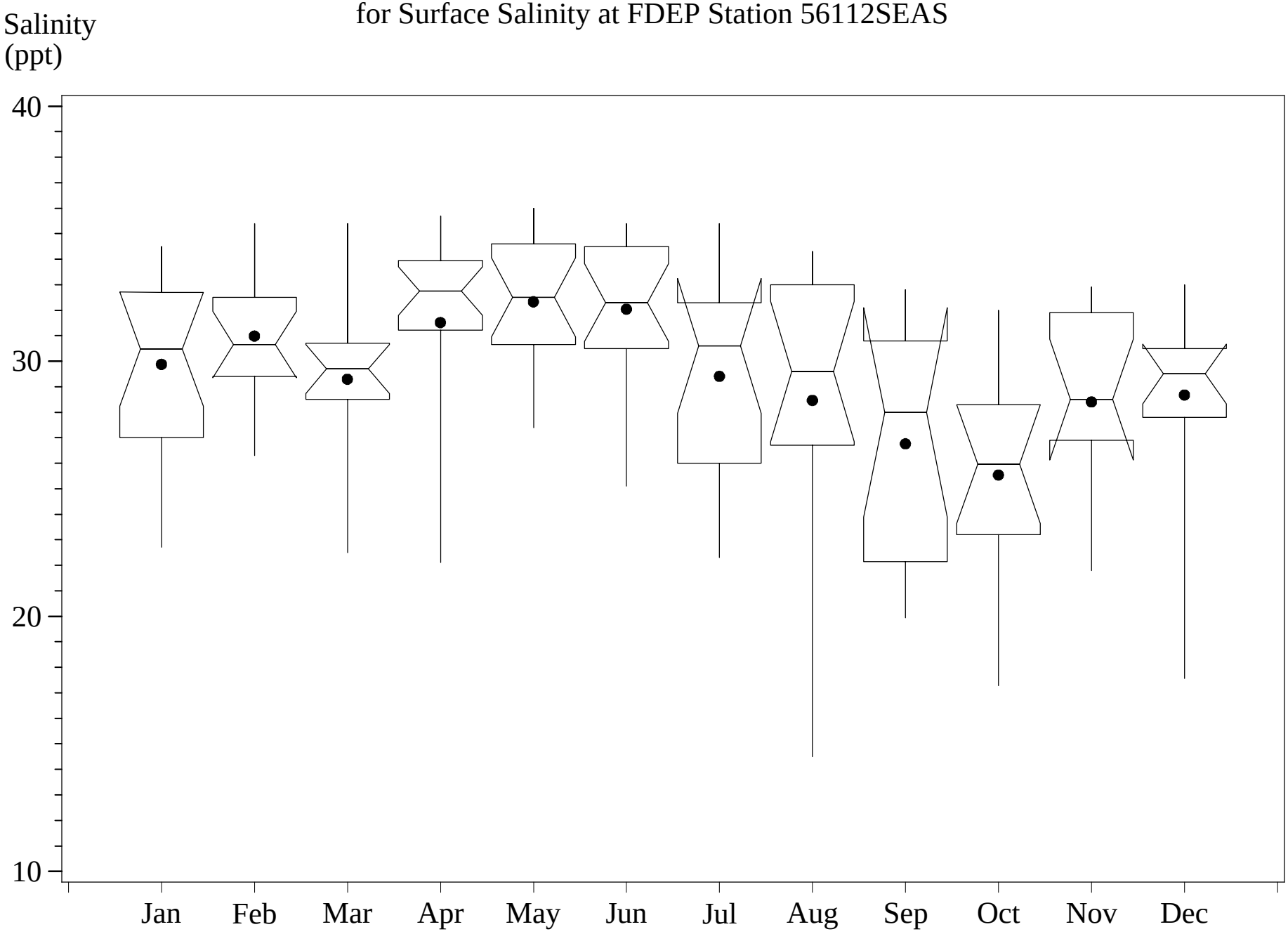
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 298
Monthly Data Time Series
for Surface Salinity at FDEP Station 56112SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 299

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56112SEAS



Lemon Bay Trends Appendix - Display 300

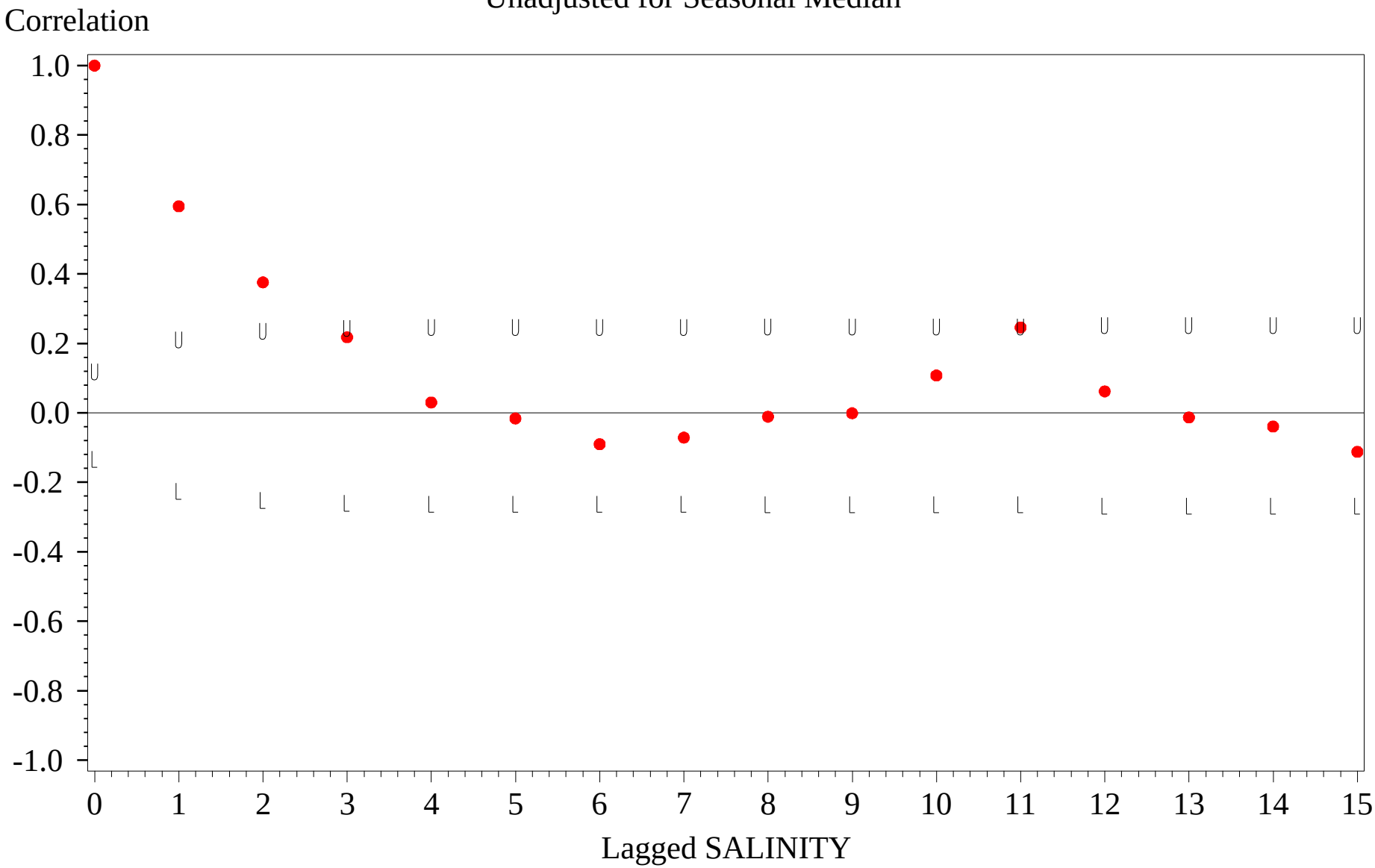
Autocorrelation Statistics for Surface Salinity at FDEP Station 56112SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.595	0.109	0.218	-0.218
2	0.376	0.121	0.243	-0.243
3	0.218	0.126	0.252	-0.252
4	0.030	0.127	0.255	-0.255
5	-0.016	0.127	0.255	-0.255
6	-0.090	0.127	0.255	-0.255
7	-0.071	0.128	0.255	-0.255
8	-0.011	0.128	0.256	-0.256
9	-0.001	0.128	0.256	-0.256
10	0.108	0.128	0.256	-0.256
11	0.246	0.128	0.256	-0.256
12	0.062	0.130	0.260	-0.260
13	-0.013	0.130	0.260	-0.260
14	-0.039	0.130	0.260	-0.260
15	-0.112	0.130	0.260	-0.260

Lemon Bay Trends Appendix - Display 301
Correlogram for Surface Salinity at FDEP Station 56112SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 302

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56112SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.058	0.327	0.575	-0.058

Lemon Bay Trends Appendix - Display 303

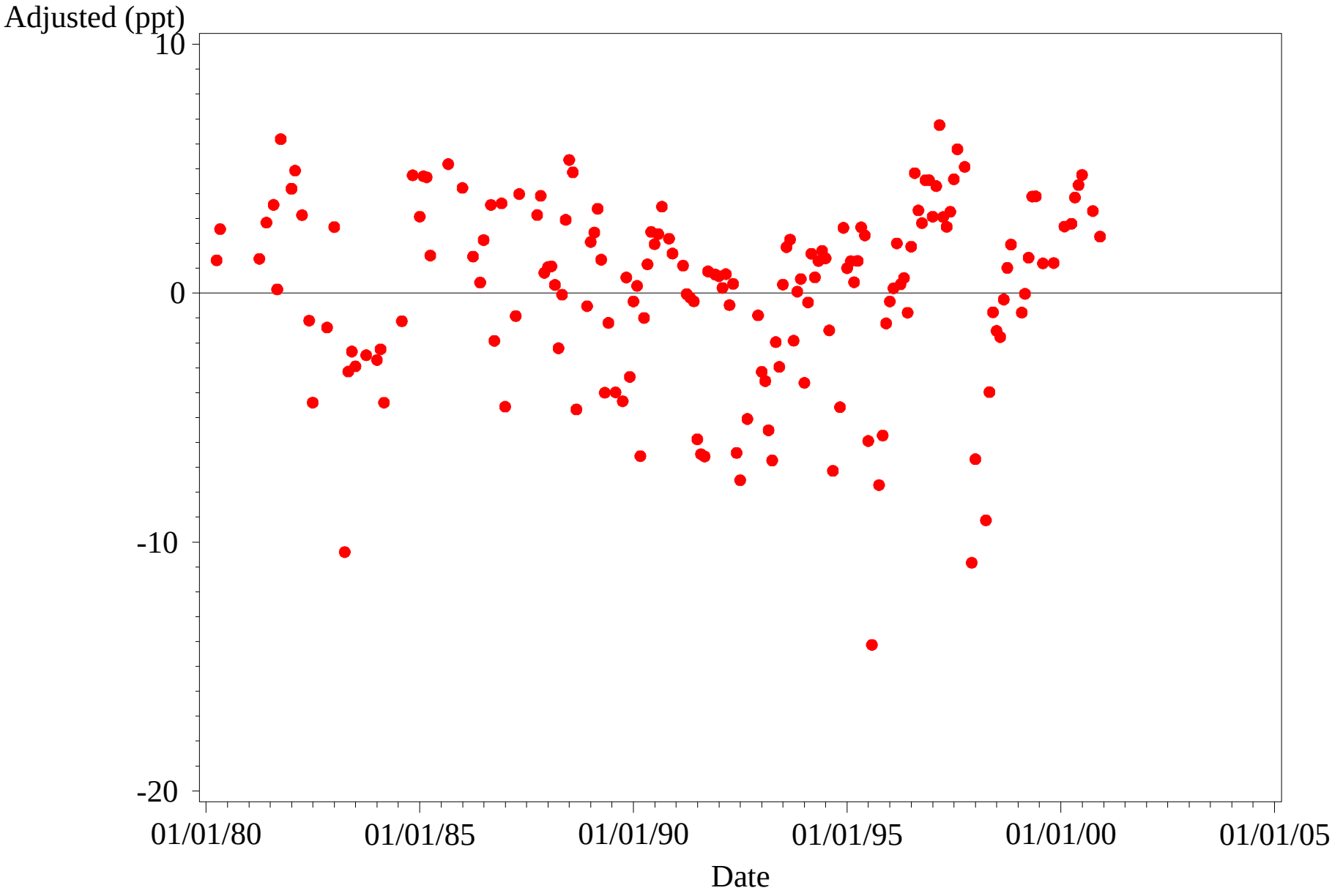
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56112SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.057858	0.32705	0.57486	-0.058333

Lemon Bay Trends Appendix - Display 304

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56112SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 305

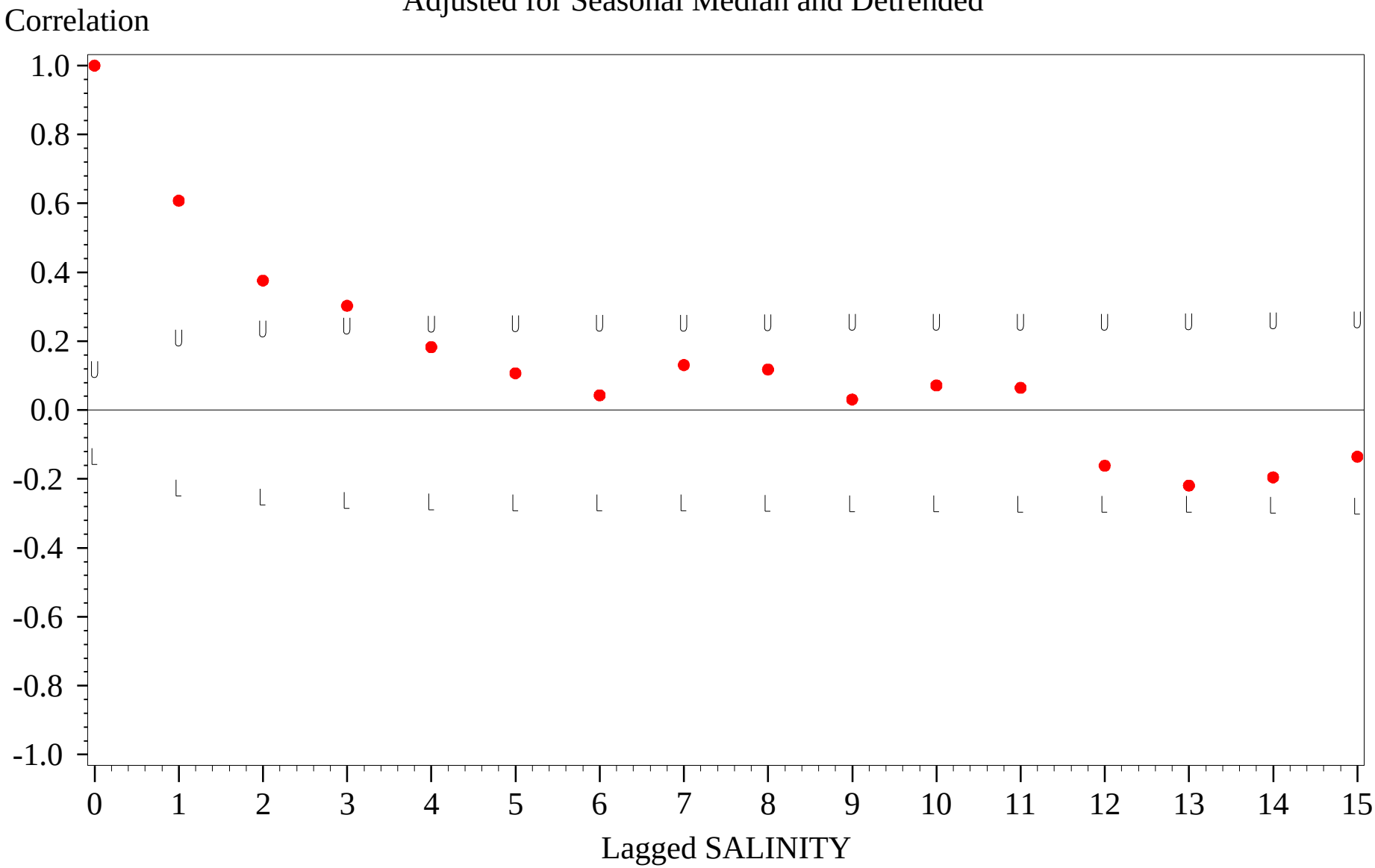
Autocorrelation Statistics for Surface Salinity at FDEP Station 56112SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.608	0.109	0.218	-0.218
2	0.376	0.122	0.244	-0.244
3	0.303	0.126	0.253	-0.253
4	0.183	0.129	0.258	-0.258
5	0.107	0.130	0.260	-0.260
6	0.043	0.131	0.261	-0.261
7	0.131	0.131	0.261	-0.261
8	0.118	0.131	0.262	-0.262
9	0.031	0.132	0.263	-0.263
10	0.072	0.132	0.263	-0.263
11	0.065	0.132	0.264	-0.264
12	-0.161	0.132	0.264	-0.264
13	-0.219	0.133	0.265	-0.265
14	-0.195	0.134	0.268	-0.268
15	-0.135	0.135	0.270	-0.270

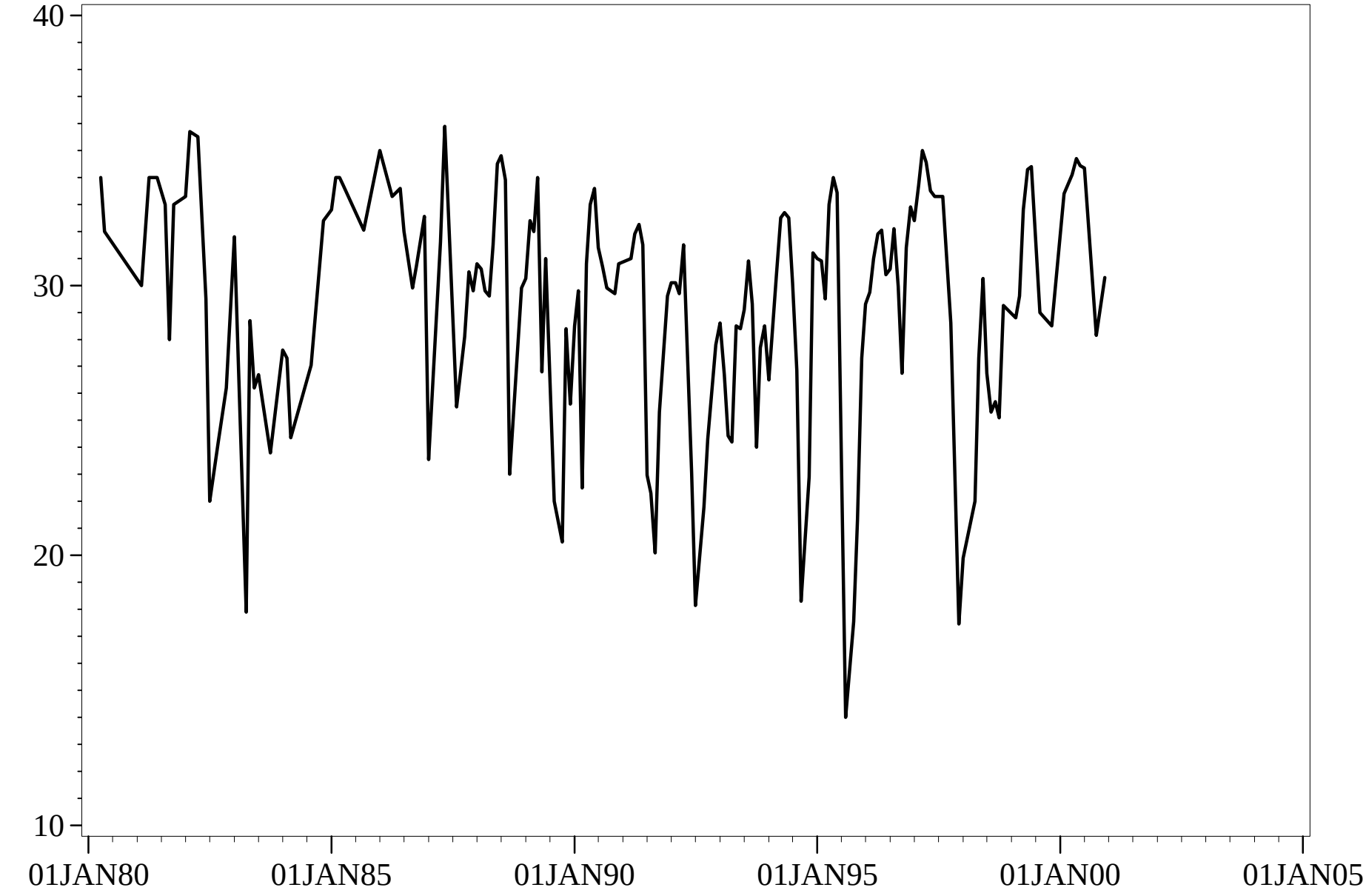
Lemon Bay Trends Appendix - Display 306
Correlogram for Surface Salinity at FDEP Station 56112SEAS

Adjusted for Seasonal Median and Detrended



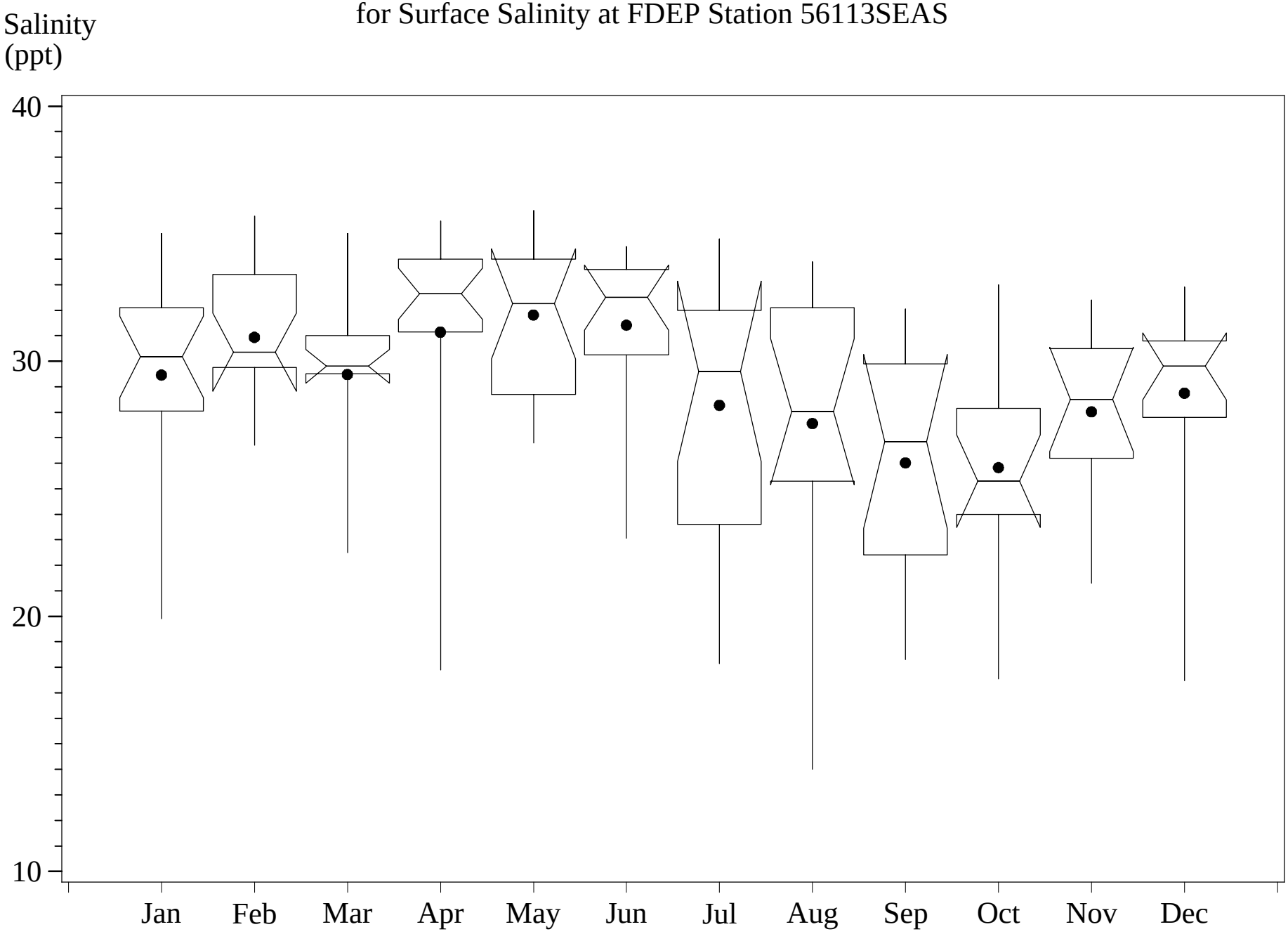
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 307
Monthly Data Time Series
for Surface Salinity at FDEP Station 56113SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 308

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56113SEAS



Lemon Bay Trends Appendix - Display 309

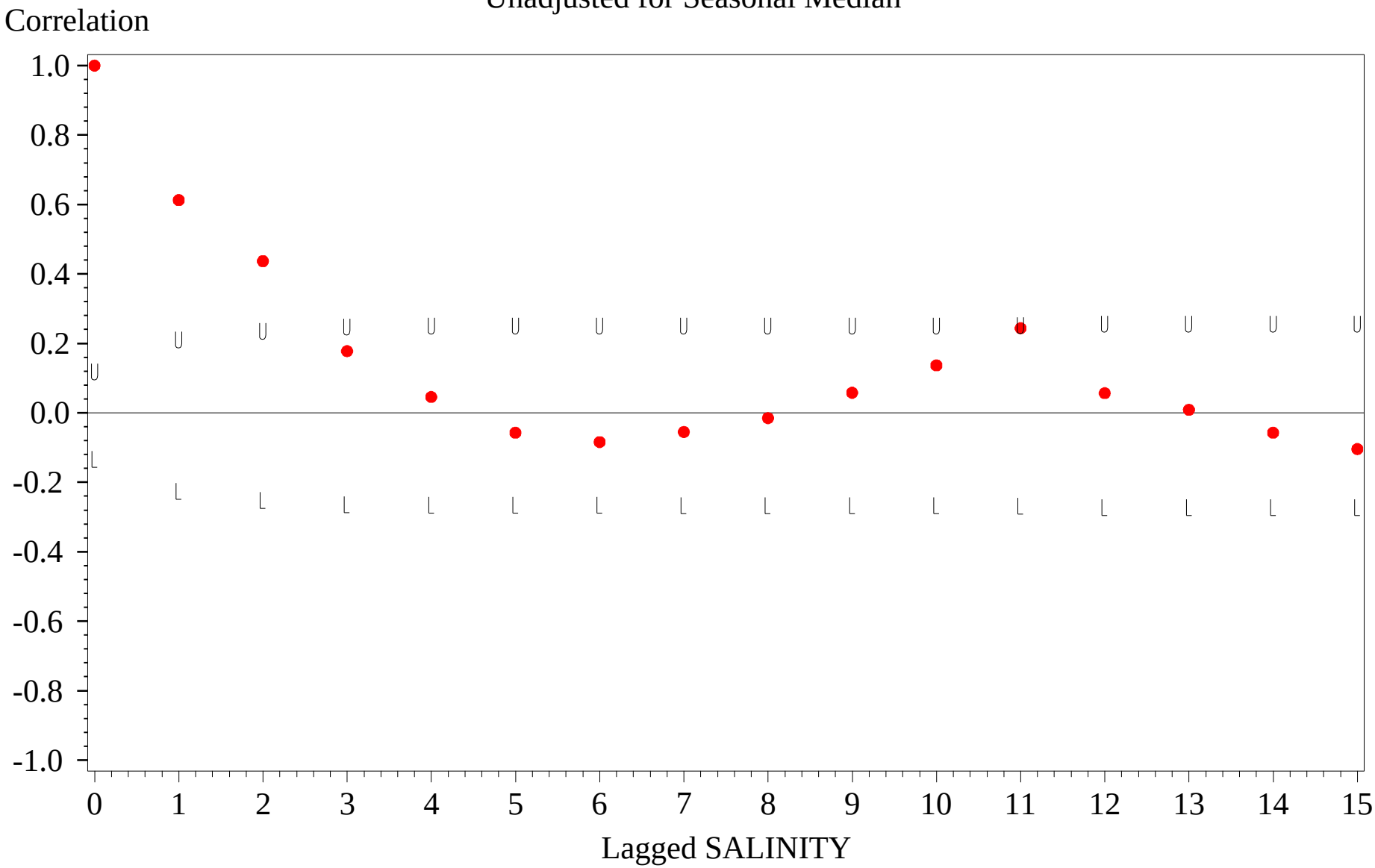
Autocorrelation Statistics for Surface Salinity at FDEP Station 56113SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.613	0.109	0.218	-0.218
2	0.437	0.122	0.244	-0.244
3	0.178	0.128	0.256	-0.256
4	0.046	0.129	0.258	-0.258
5	-0.057	0.129	0.258	-0.258
6	-0.084	0.129	0.258	-0.258
7	-0.055	0.129	0.259	-0.259
8	-0.015	0.130	0.259	-0.259
9	0.058	0.130	0.259	-0.259
10	0.137	0.130	0.259	-0.259
11	0.244	0.130	0.260	-0.260
12	0.057	0.132	0.264	-0.264
13	0.009	0.132	0.264	-0.264
14	-0.057	0.132	0.264	-0.264
15	-0.104	0.132	0.264	-0.264

Lemon Bay Trends Appendix - Display 310
Correlogram for Surface Salinity at FDEP Station 56113SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 311

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56113SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.031	0.607	0.761	-0.027

Lemon Bay Trends Appendix - Display 312

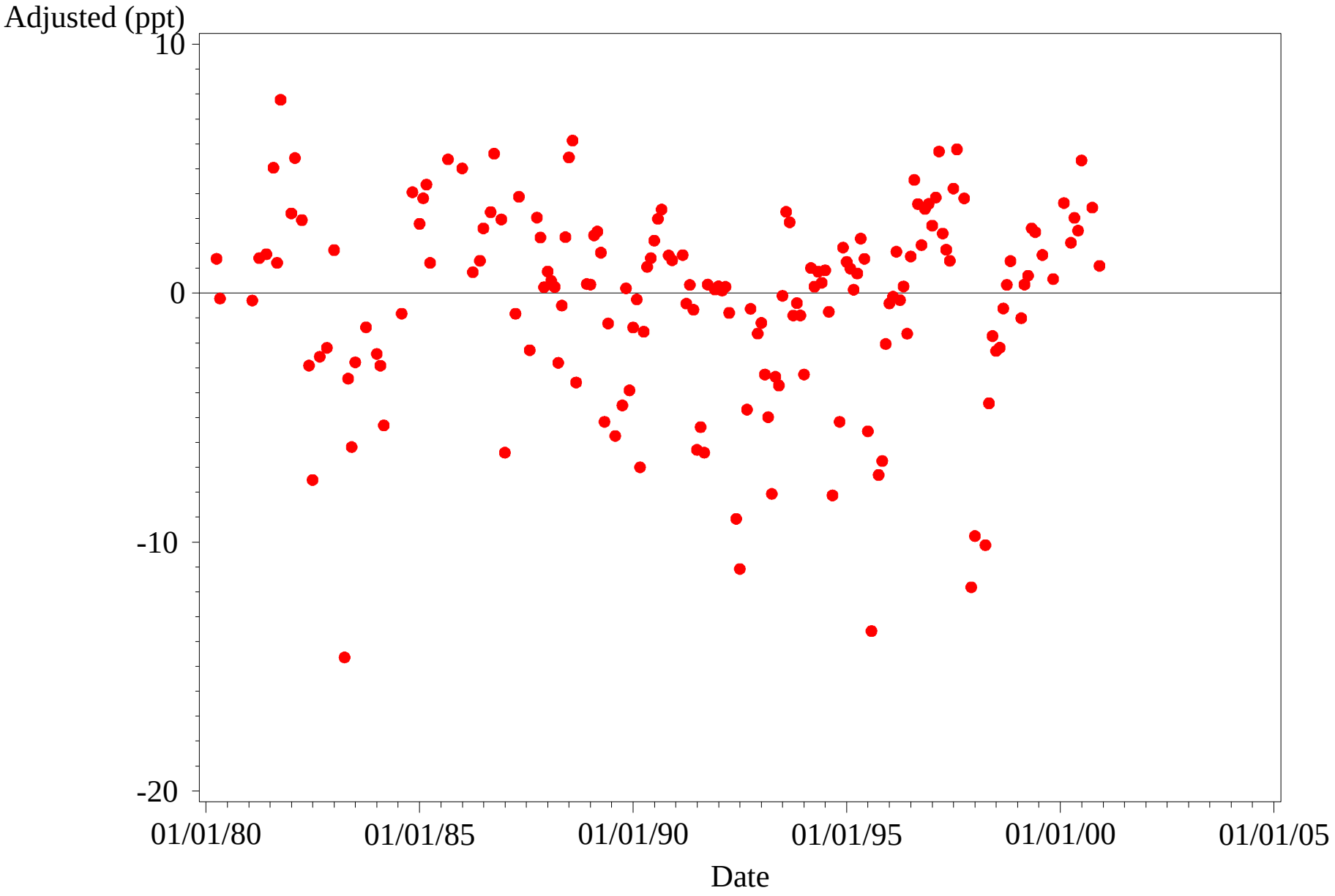
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56113SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.030534	0.60653	0.76095	-0.027273

Lemon Bay Trends Appendix - Display 313

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56113SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 314

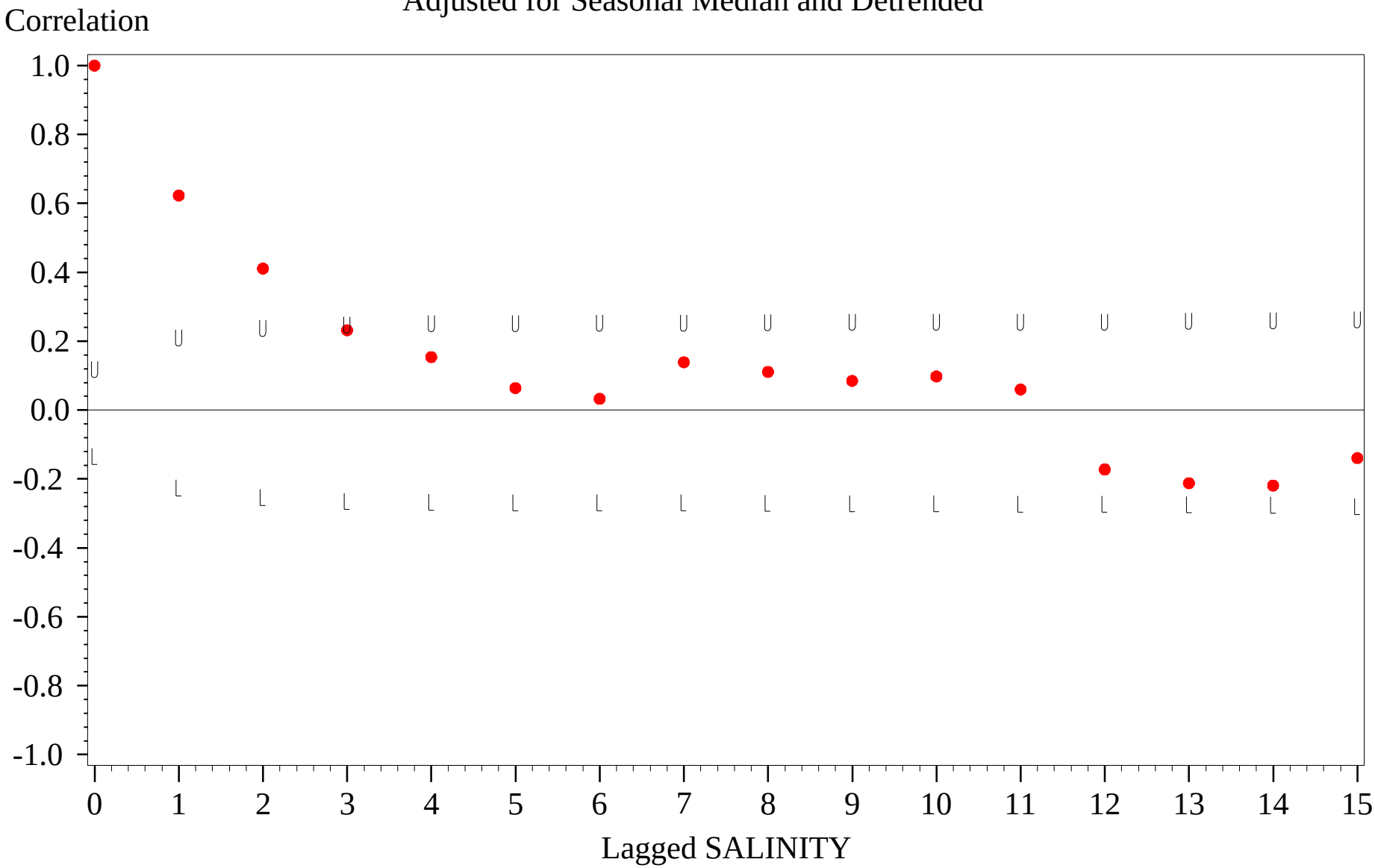
Autocorrelation Statistics for Surface Salinity at FDEP Station 56113SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.623	0.109	0.218	-0.218
2	0.411	0.122	0.245	-0.245
3	0.232	0.128	0.256	-0.256
4	0.154	0.129	0.259	-0.259
5	0.064	0.130	0.260	-0.260
6	0.033	0.130	0.261	-0.261
7	0.139	0.130	0.261	-0.261
8	0.111	0.131	0.262	-0.262
9	0.085	0.131	0.263	-0.263
10	0.098	0.132	0.263	-0.263
11	0.060	0.132	0.264	-0.264
12	-0.172	0.132	0.264	-0.264
13	-0.212	0.133	0.266	-0.266
14	-0.219	0.134	0.268	-0.268
15	-0.139	0.136	0.271	-0.271

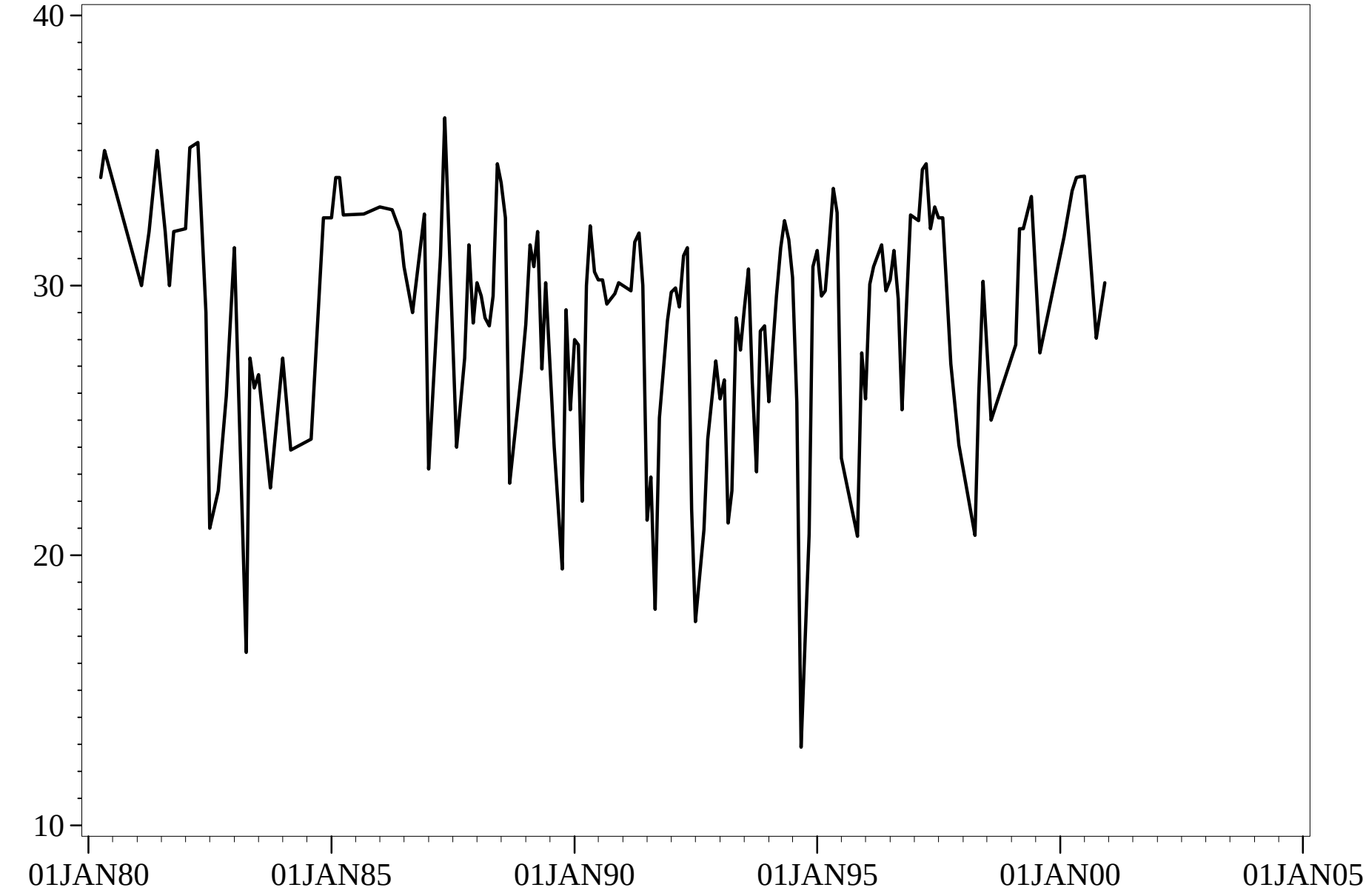
Lemon Bay Trends Appendix - Display 315
Correlogram for Surface Salinity at FDEP Station 56113SEAS

Adjusted for Seasonal Median and Detrended



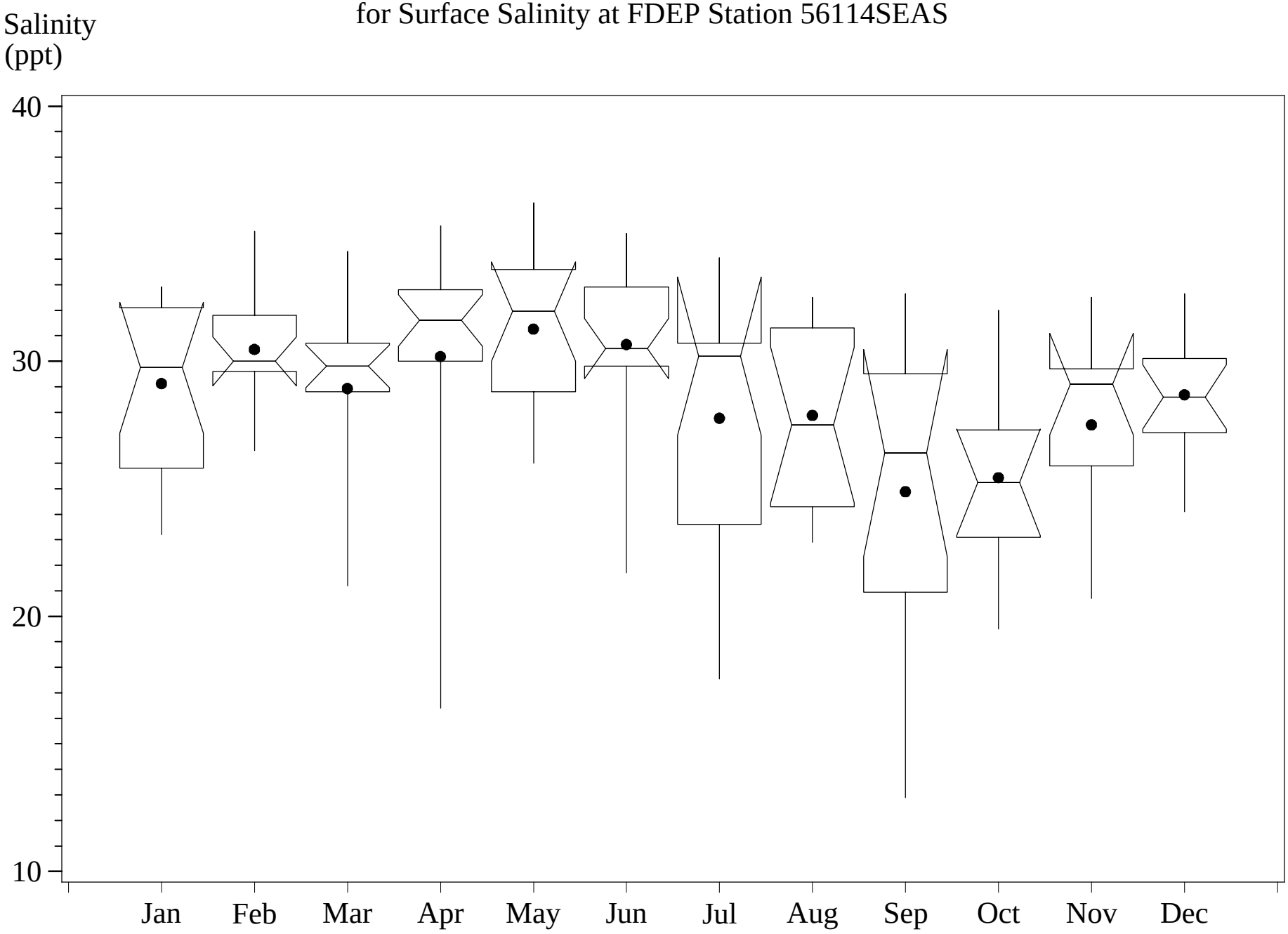
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 316
Monthly Data Time Series
for Surface Salinity at FDEP Station 56114SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 317

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56114SEAS



Lemon Bay Trends Appendix - Display 318

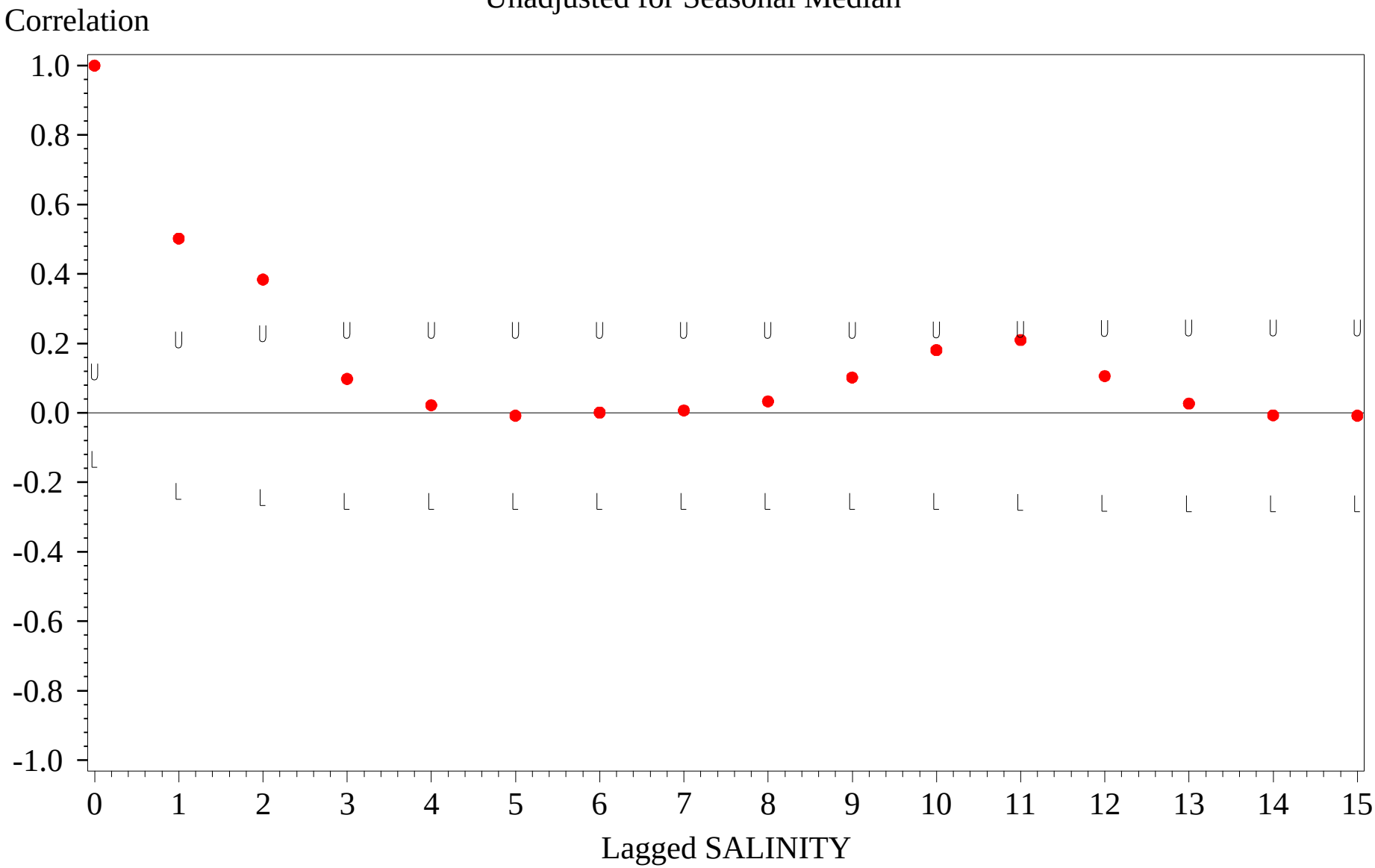
Autocorrelation Statistics for Surface Salinity at FDEP Station 56114SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.502	0.109	0.218	-0.218
2	0.384	0.118	0.236	-0.236
3	0.098	0.123	0.246	-0.246
4	0.022	0.123	0.246	-0.246
5	-0.008	0.123	0.246	-0.246
6	0.001	0.123	0.246	-0.246
7	0.007	0.123	0.246	-0.246
8	0.033	0.123	0.246	-0.246
9	0.102	0.123	0.246	-0.246
10	0.181	0.123	0.247	-0.247
11	0.210	0.125	0.249	-0.249
12	0.106	0.126	0.252	-0.252
13	0.027	0.126	0.253	-0.253
14	-0.007	0.126	0.253	-0.253
15	-0.008	0.126	0.253	-0.253

Lemon Bay Trends Appendix - Display 319
Correlogram for Surface Salinity at FDEP Station 56114SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 320

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56114SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.004	0.962	0.977	0

Lemon Bay Trends Appendix - Display 321

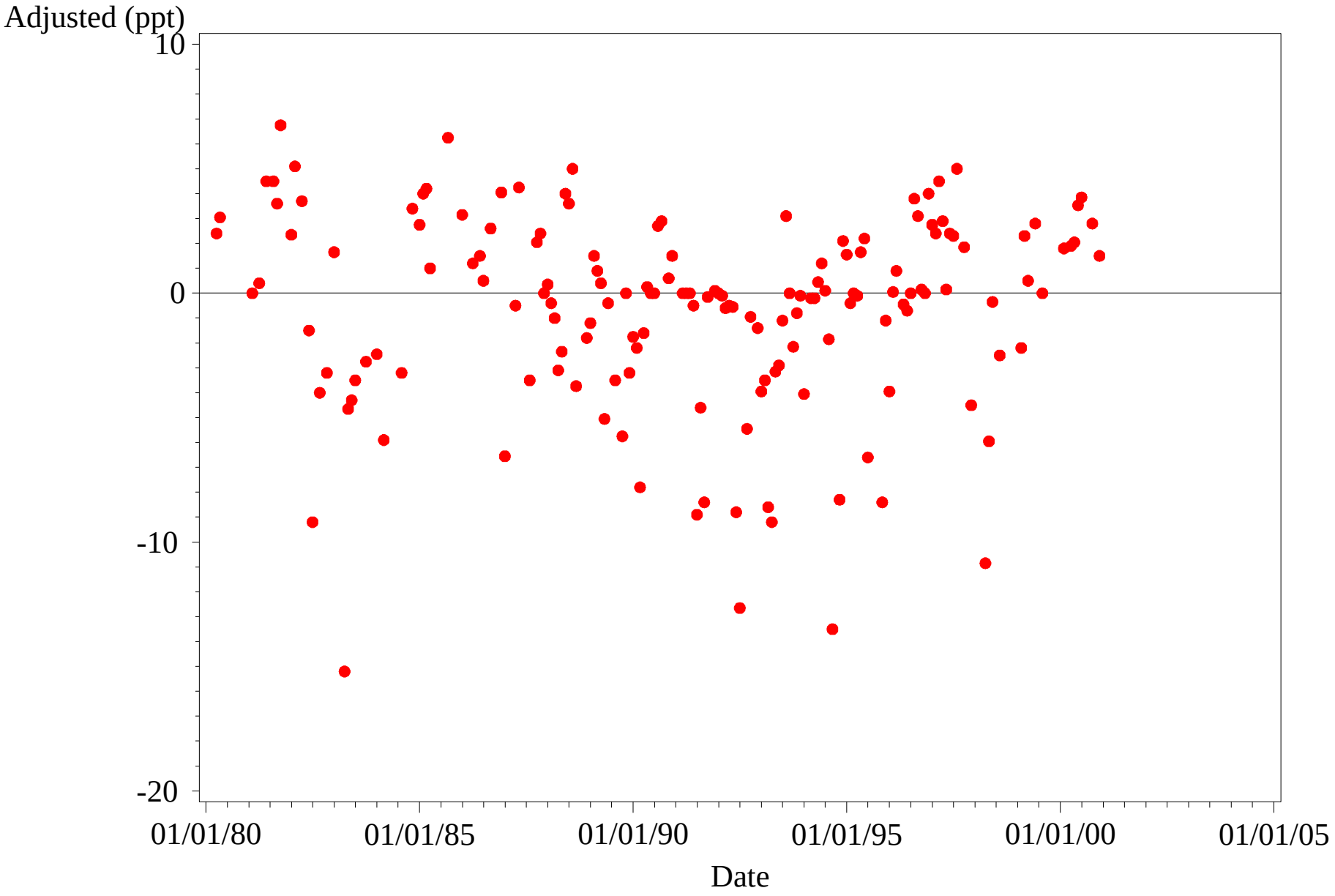
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56114SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.00383509	0.96186	0.97749	0

Lemon Bay Trends Appendix - Display 322

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56114SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 323

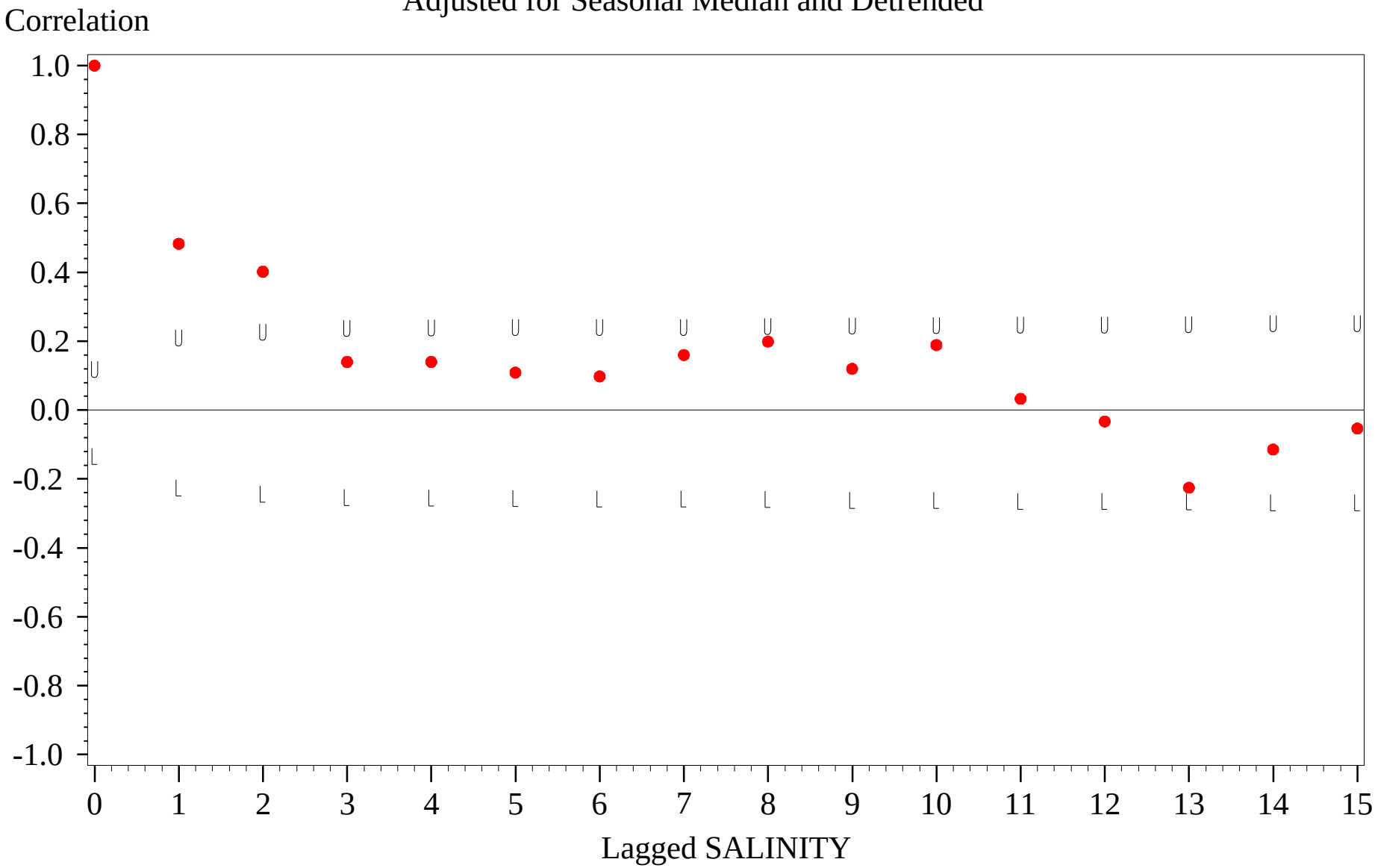
Autocorrelation Statistics for Surface Salinity at FDEP Station 56114SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.483	0.109	0.218	-0.218
2	0.402	0.117	0.235	-0.235
3	0.140	0.123	0.245	-0.245
4	0.140	0.123	0.247	-0.247
5	0.109	0.124	0.248	-0.248
6	0.098	0.124	0.249	-0.249
7	0.160	0.125	0.249	-0.249
8	0.199	0.125	0.251	-0.251
9	0.120	0.127	0.253	-0.253
10	0.189	0.127	0.254	-0.254
11	0.033	0.128	0.256	-0.256
12	-0.033	0.128	0.256	-0.256
13	-0.225	0.128	0.257	-0.257
14	-0.114	0.130	0.260	-0.260
15	-0.053	0.130	0.260	-0.260

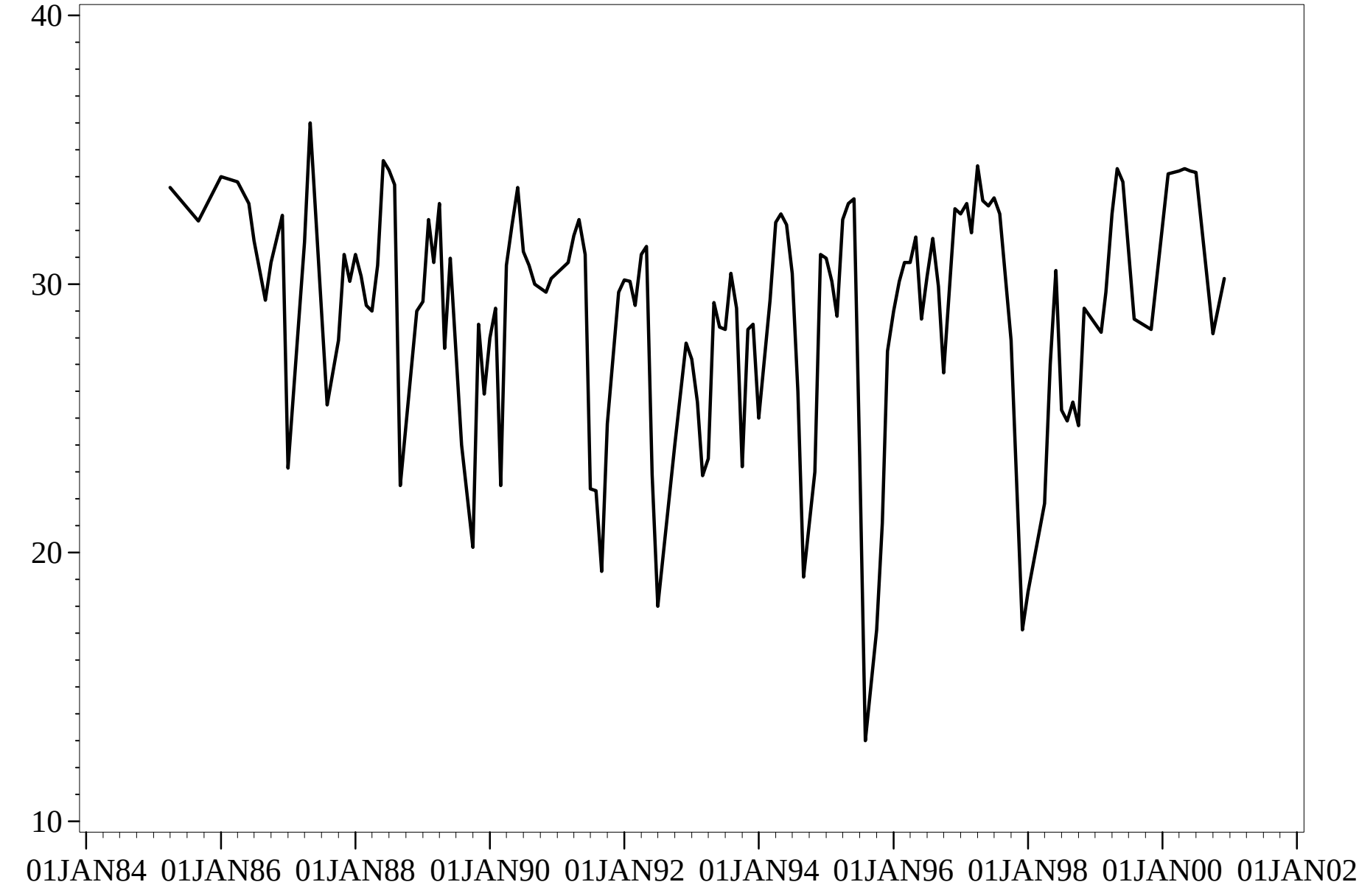
Lemon Bay Trends Appendix - Display 324
Correlogram for Surface Salinity at FDEP Station 56114SEAS

Adjusted for Seasonal Median and Detrended



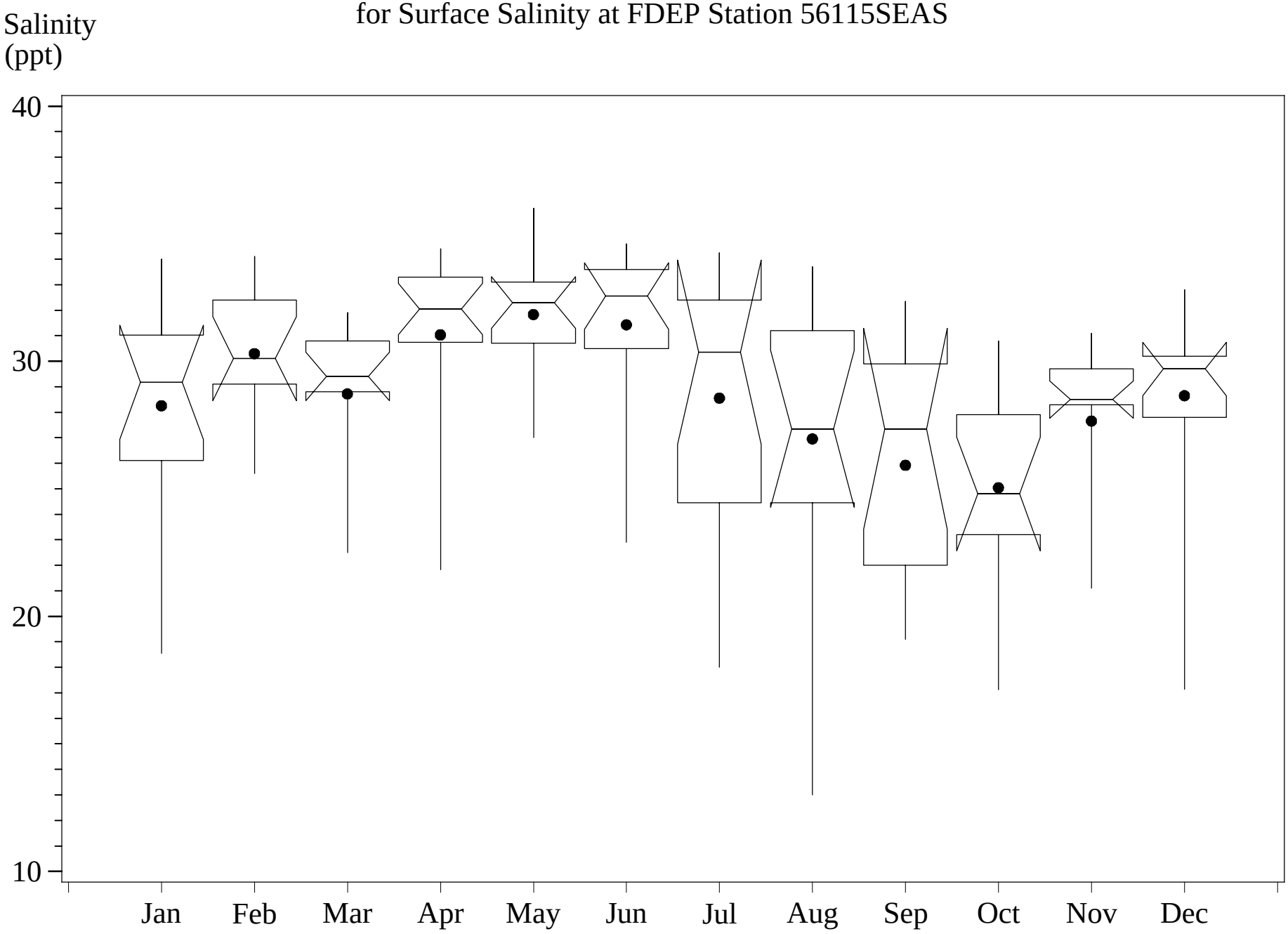
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 325
Monthly Data Time Series
for Surface Salinity at FDEP Station 56115SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 326

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56115SEAS



Lemon Bay Trends Appendix - Display 327

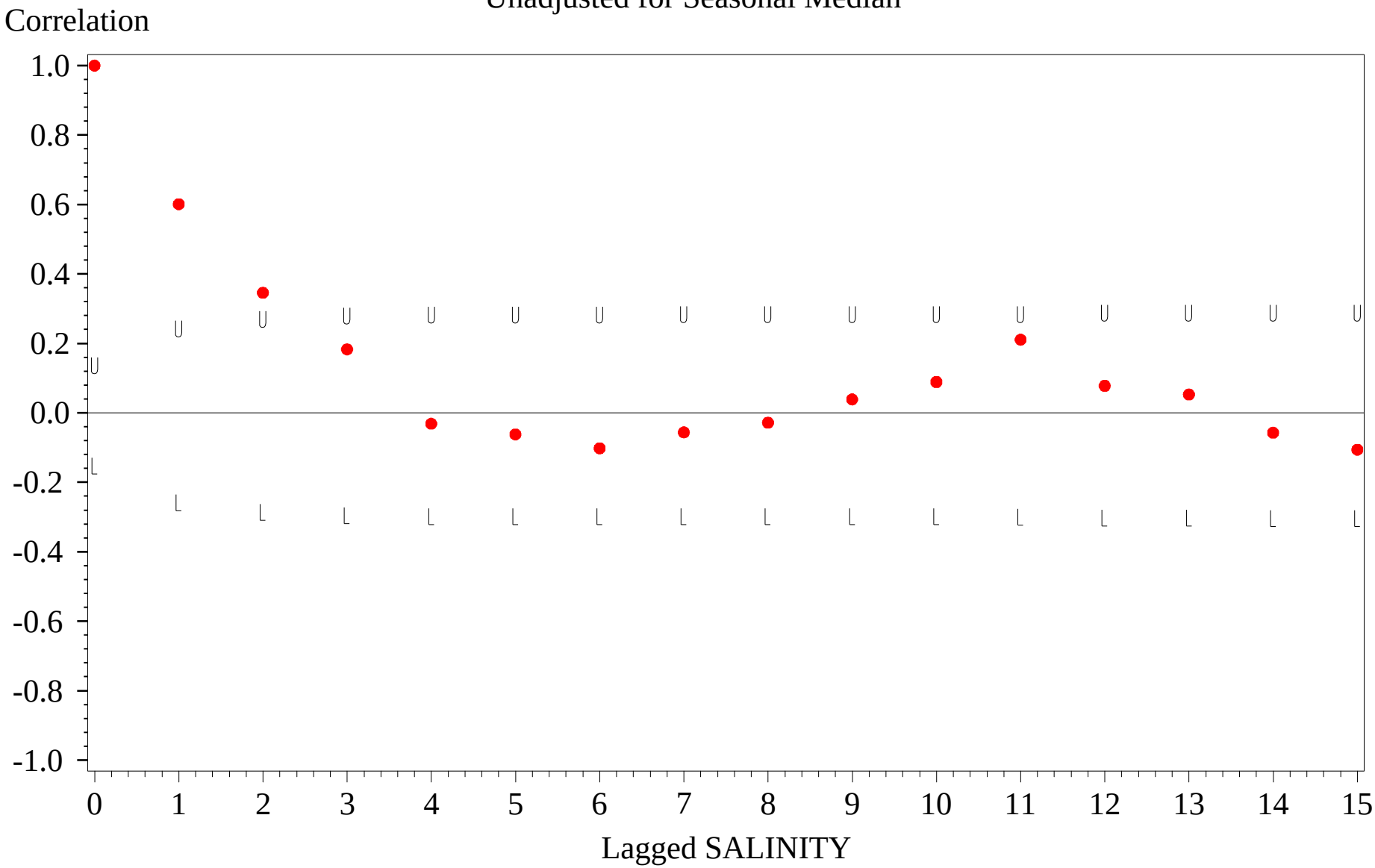
Autocorrelation Statistics for Surface Salinity at FDEP Station 56115SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.601	0.125	0.250	-0.250
2	0.346	0.139	0.278	-0.278
3	0.183	0.144	0.287	-0.287
4	-0.031	0.145	0.290	-0.290
5	-0.062	0.145	0.290	-0.290
6	-0.102	0.145	0.290	-0.290
7	-0.056	0.145	0.291	-0.291
8	-0.028	0.146	0.291	-0.291
9	0.039	0.146	0.291	-0.291
10	0.089	0.146	0.291	-0.291
11	0.211	0.146	0.292	-0.292
12	0.078	0.147	0.295	-0.295
13	0.053	0.148	0.295	-0.295
14	-0.057	0.148	0.296	-0.296
15	-0.106	0.148	0.296	-0.296

Lemon Bay Trends Appendix - Display 328
Correlogram for Surface Salinity at FDEP Station 56115SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 329

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56115SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.004	0.969	0.983	0

Lemon Bay Trends Appendix - Display 330

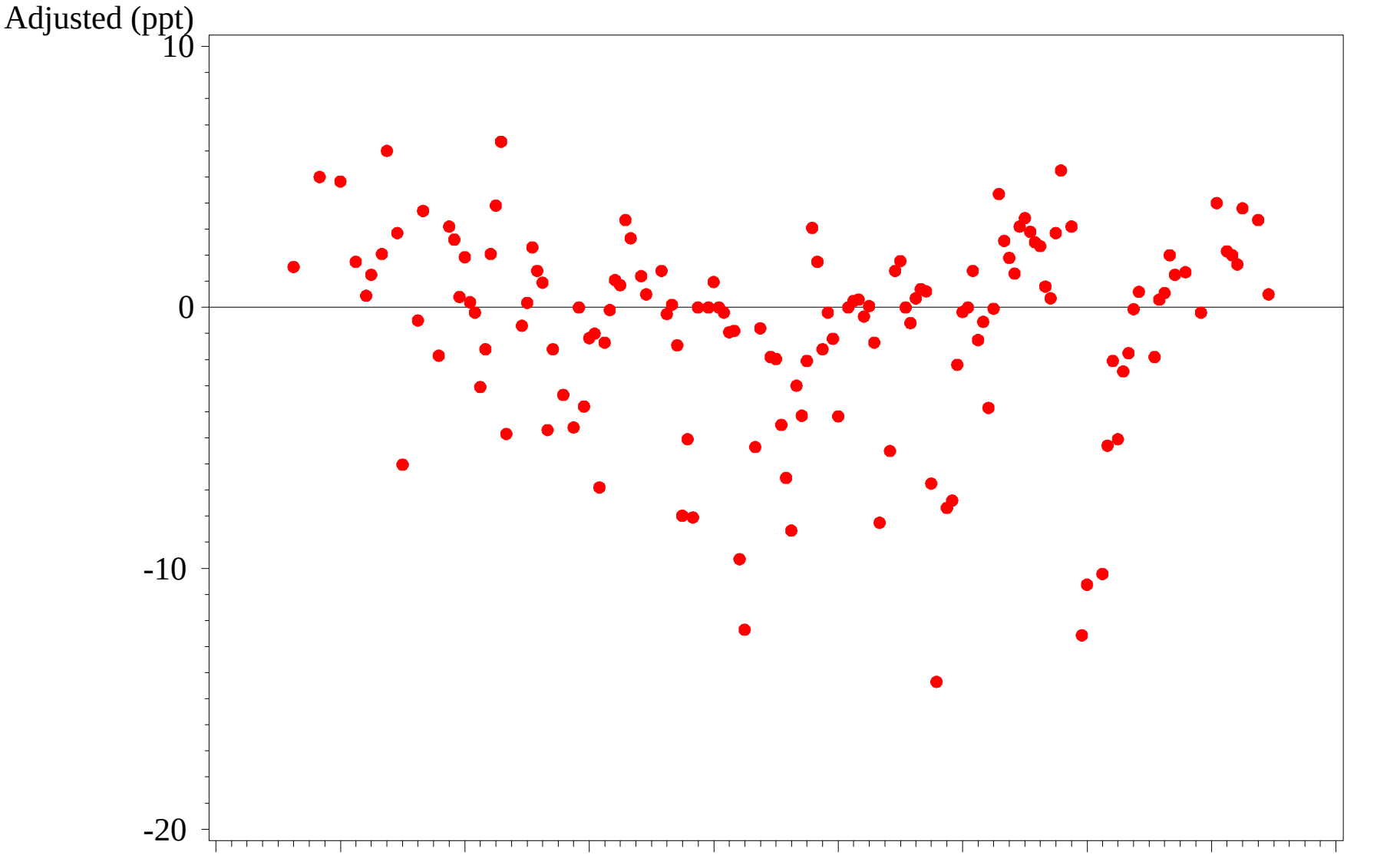
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56115SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.0036855	0.96945	0.98291	0

Lemon Bay Trends Appendix - Display 331

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56115SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 332

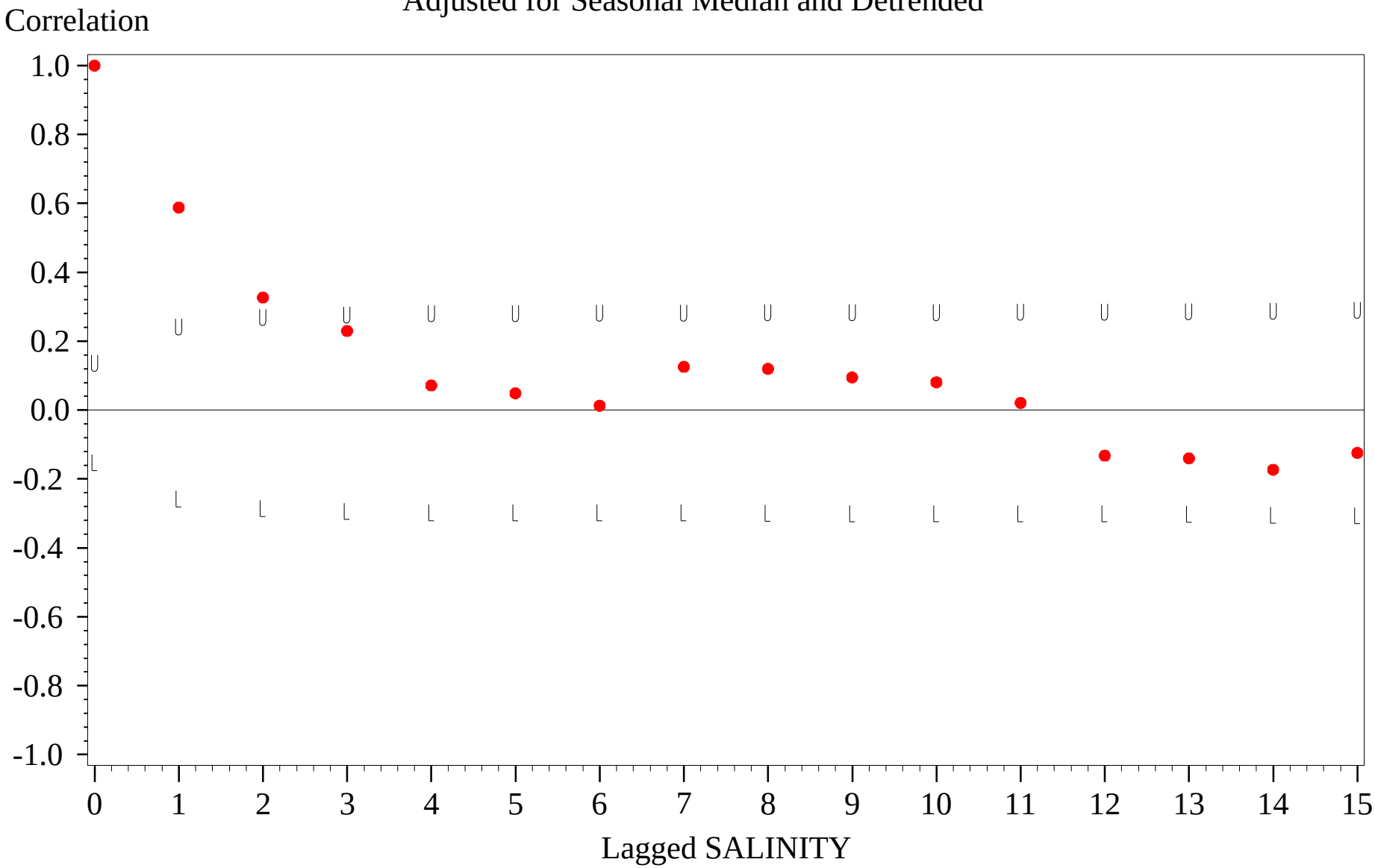
Autocorrelation Statistics for Surface Salinity at FDEP Station 56115SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.588	0.125	0.250	-0.250
2	0.327	0.139	0.277	-0.277
3	0.230	0.143	0.285	-0.285
4	0.072	0.145	0.289	-0.289
5	0.049	0.145	0.289	-0.289
6	0.013	0.145	0.290	-0.290
7	0.126	0.145	0.290	-0.290
8	0.120	0.145	0.291	-0.291
9	0.095	0.146	0.292	-0.292
10	0.081	0.146	0.292	-0.292
11	0.021	0.146	0.293	-0.293
12	-0.132	0.146	0.293	-0.293
13	-0.140	0.147	0.294	-0.294
14	-0.173	0.148	0.296	-0.296
15	-0.124	0.149	0.298	-0.298

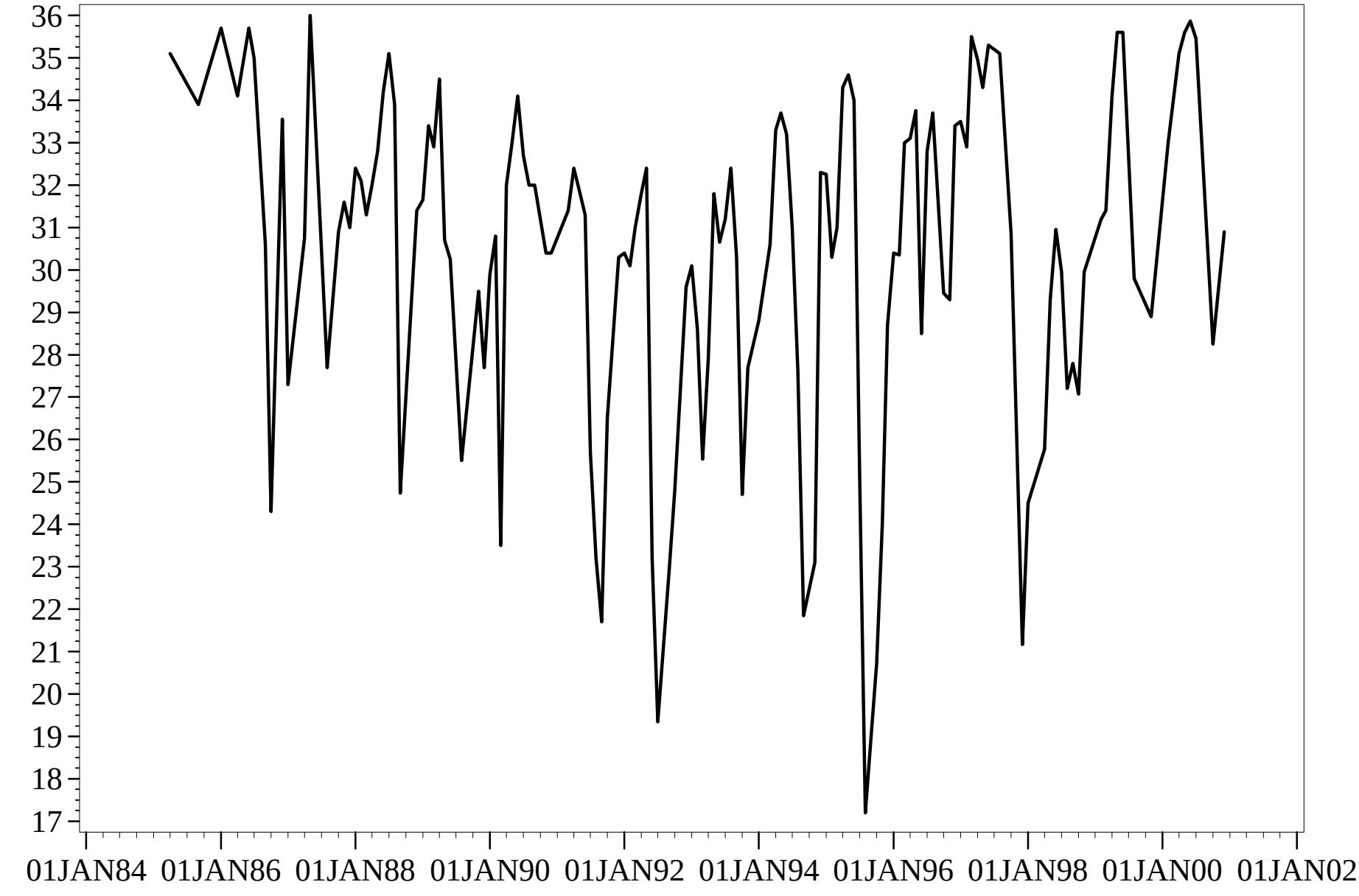
Lemon Bay Trends Appendix - Display 333
Correlogram for Surface Salinity at FDEP Station 56115SEAS

Adjusted for Seasonal Median and Detrended



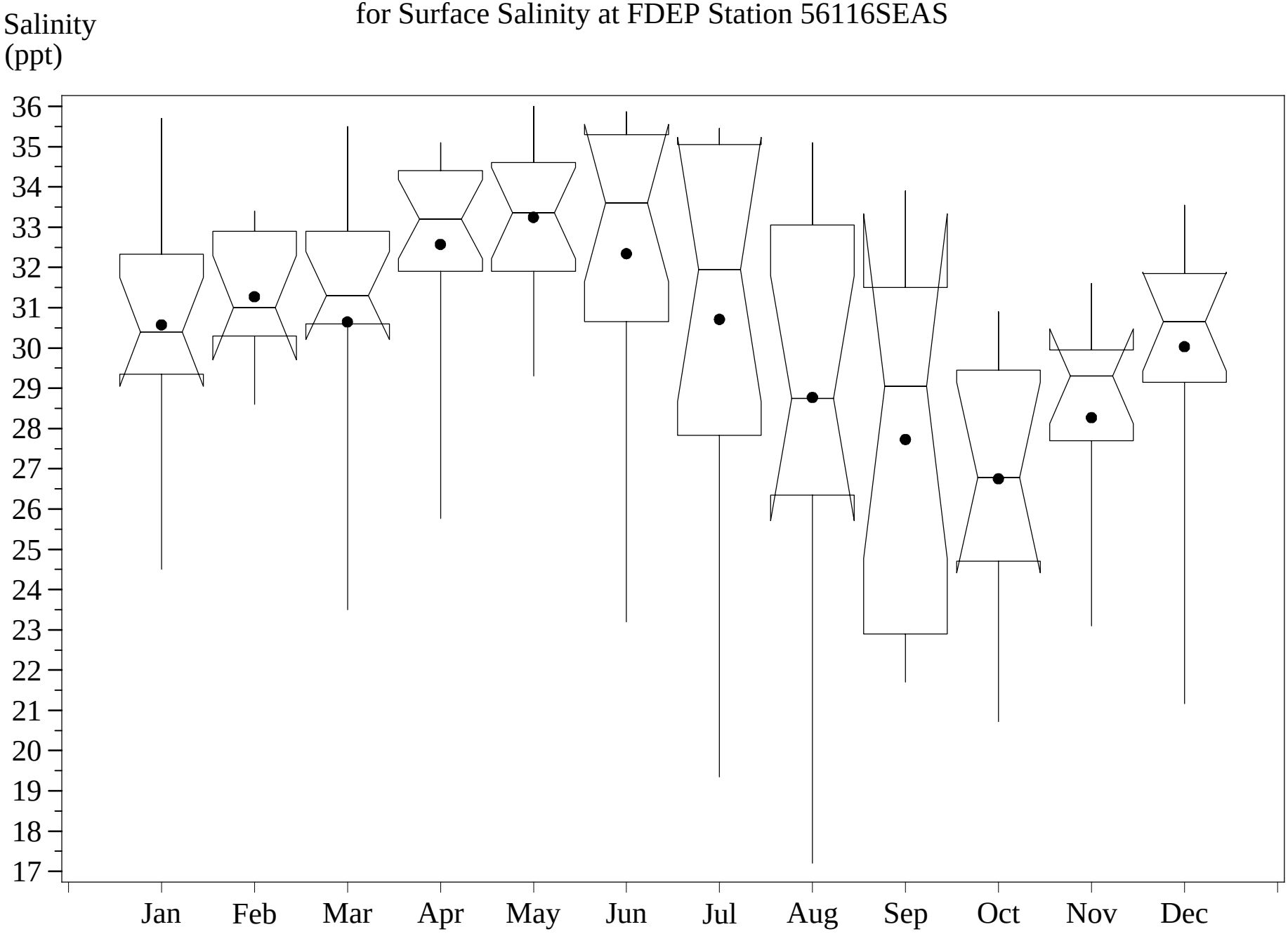
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 334
Monthly Data Time Series
for Surface Salinity at FDEP Station 56116SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 335

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56116SEAS



Lemon Bay Trends Appendix - Display 336

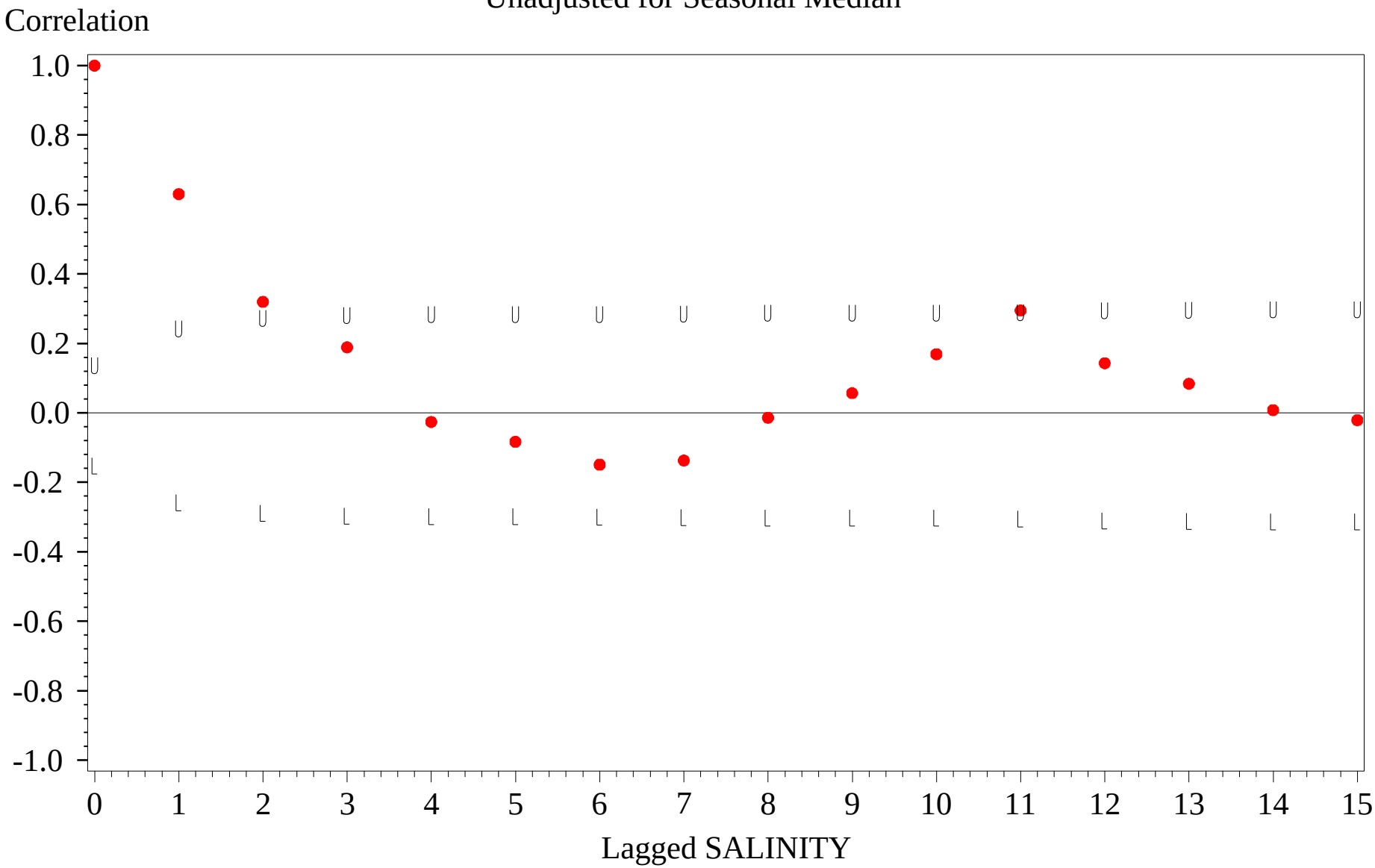
Autocorrelation Statistics for Surface Salinity at FDEP Station 56116SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.630	0.125	0.250	-0.250
2	0.320	0.141	0.281	-0.281
3	0.189	0.144	0.289	-0.289
4	-0.026	0.146	0.291	-0.291
5	-0.083	0.146	0.291	-0.291
6	-0.149	0.146	0.292	-0.292
7	-0.137	0.147	0.293	-0.293
8	-0.014	0.147	0.295	-0.295
9	0.057	0.147	0.295	-0.295
10	0.169	0.147	0.295	-0.295
11	0.295	0.148	0.297	-0.297
12	0.143	0.151	0.303	-0.303
13	0.084	0.152	0.304	-0.304
14	0.008	0.152	0.305	-0.305
15	-0.021	0.152	0.305	-0.305

Lemon Bay Trends Appendix - Display 337
Correlogram for Surface Salinity at FDEP Station 56116SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 338

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56116SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.032	0.64	0.795	0.031

Lemon Bay Trends Appendix - Display 339

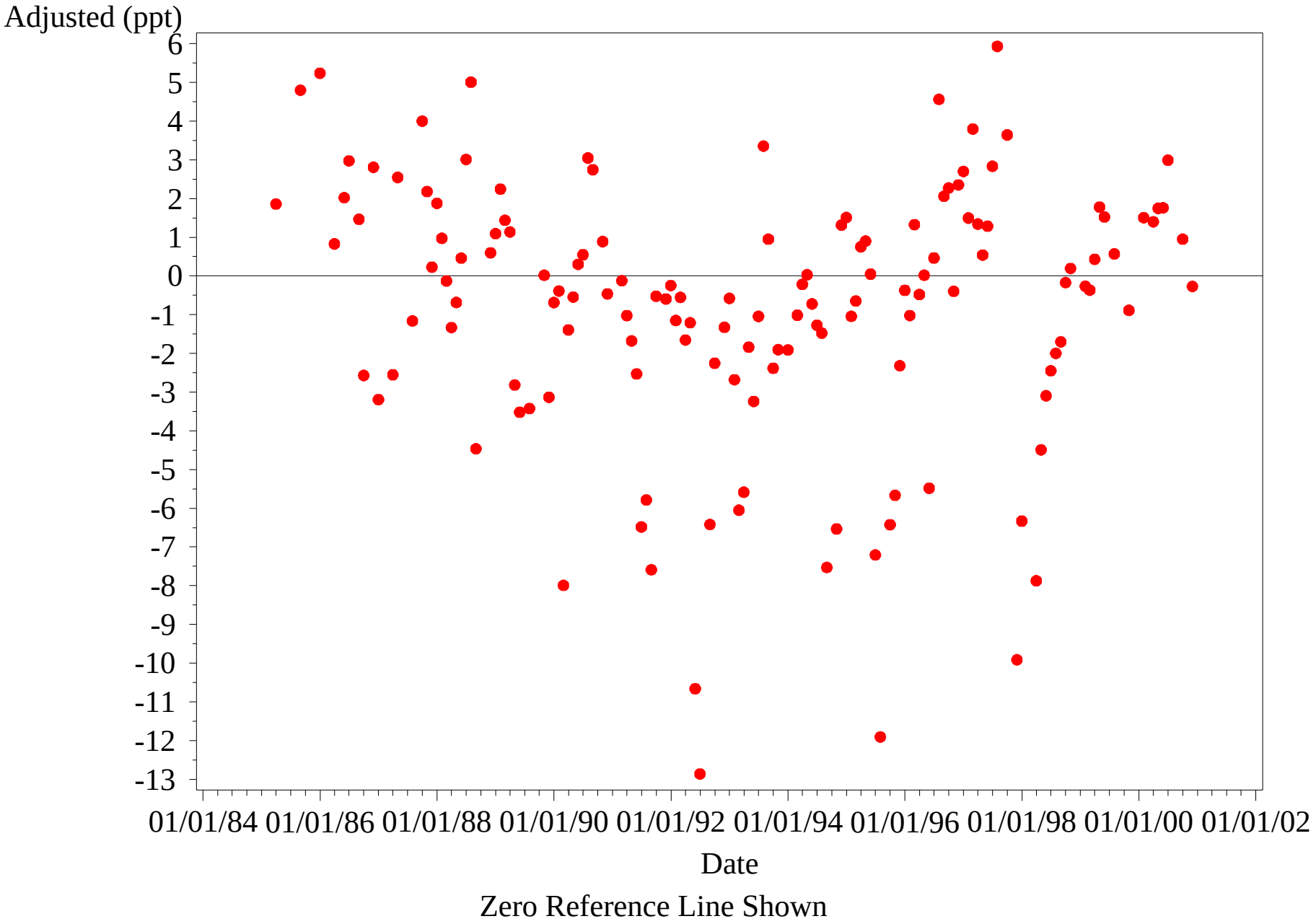
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56116SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.031566	0.64020	0.79527	0.030655

Lemon Bay Trends Appendix - Display 340

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56116SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 341

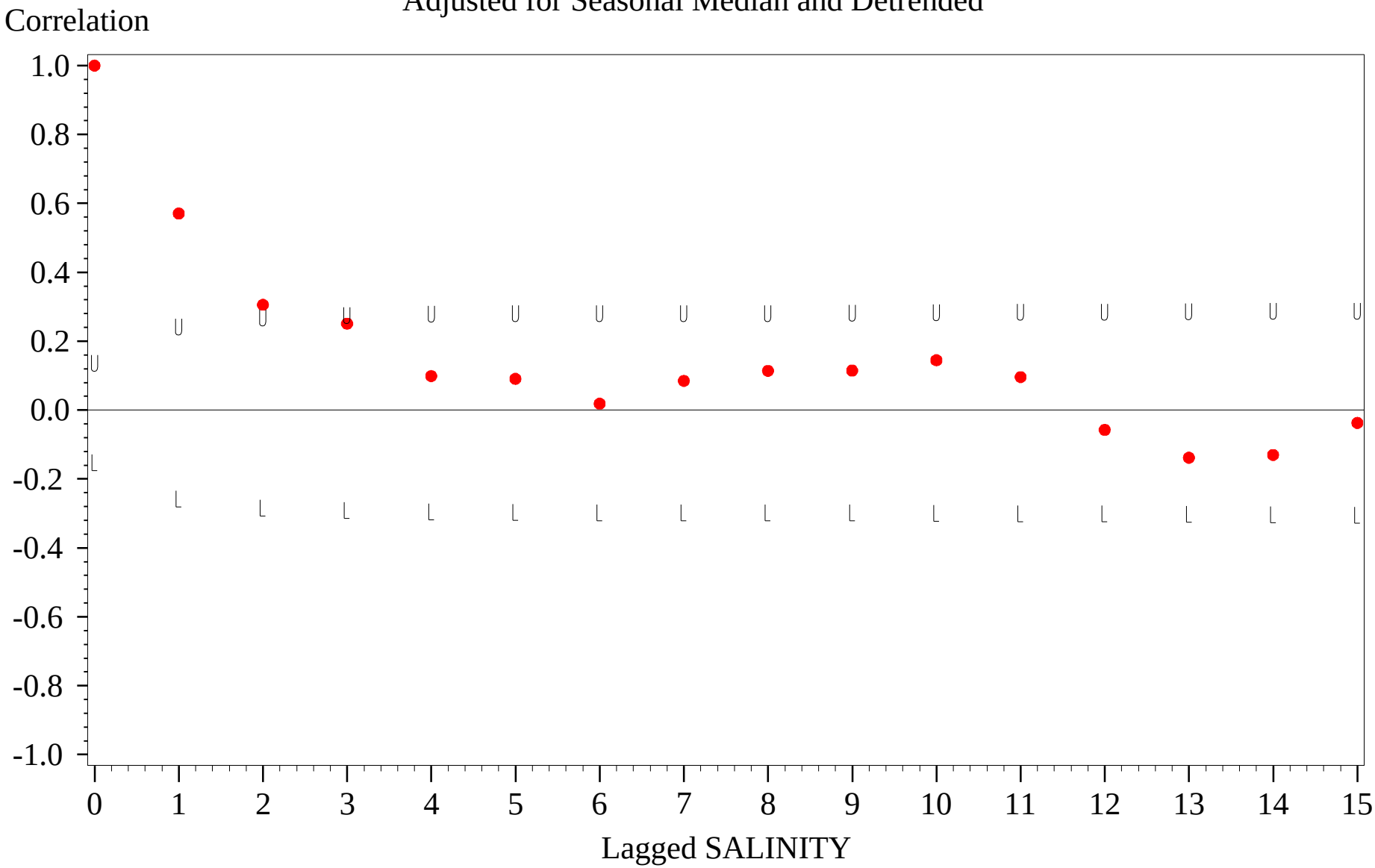
Autocorrelation Statistics for Surface Salinity at FDEP Station 56116SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.571	0.125	0.250	-0.250
2	0.306	0.138	0.276	-0.276
3	0.251	0.141	0.283	-0.283
4	0.099	0.144	0.287	-0.287
5	0.091	0.144	0.288	-0.288
6	0.019	0.144	0.289	-0.289
7	0.085	0.144	0.289	-0.289
8	0.114	0.145	0.289	-0.289
9	0.115	0.145	0.290	-0.290
10	0.145	0.146	0.291	-0.291
11	0.096	0.146	0.293	-0.293
12	-0.057	0.147	0.293	-0.293
13	-0.138	0.147	0.294	-0.294
14	-0.130	0.147	0.295	-0.295
15	-0.037	0.148	0.296	-0.296

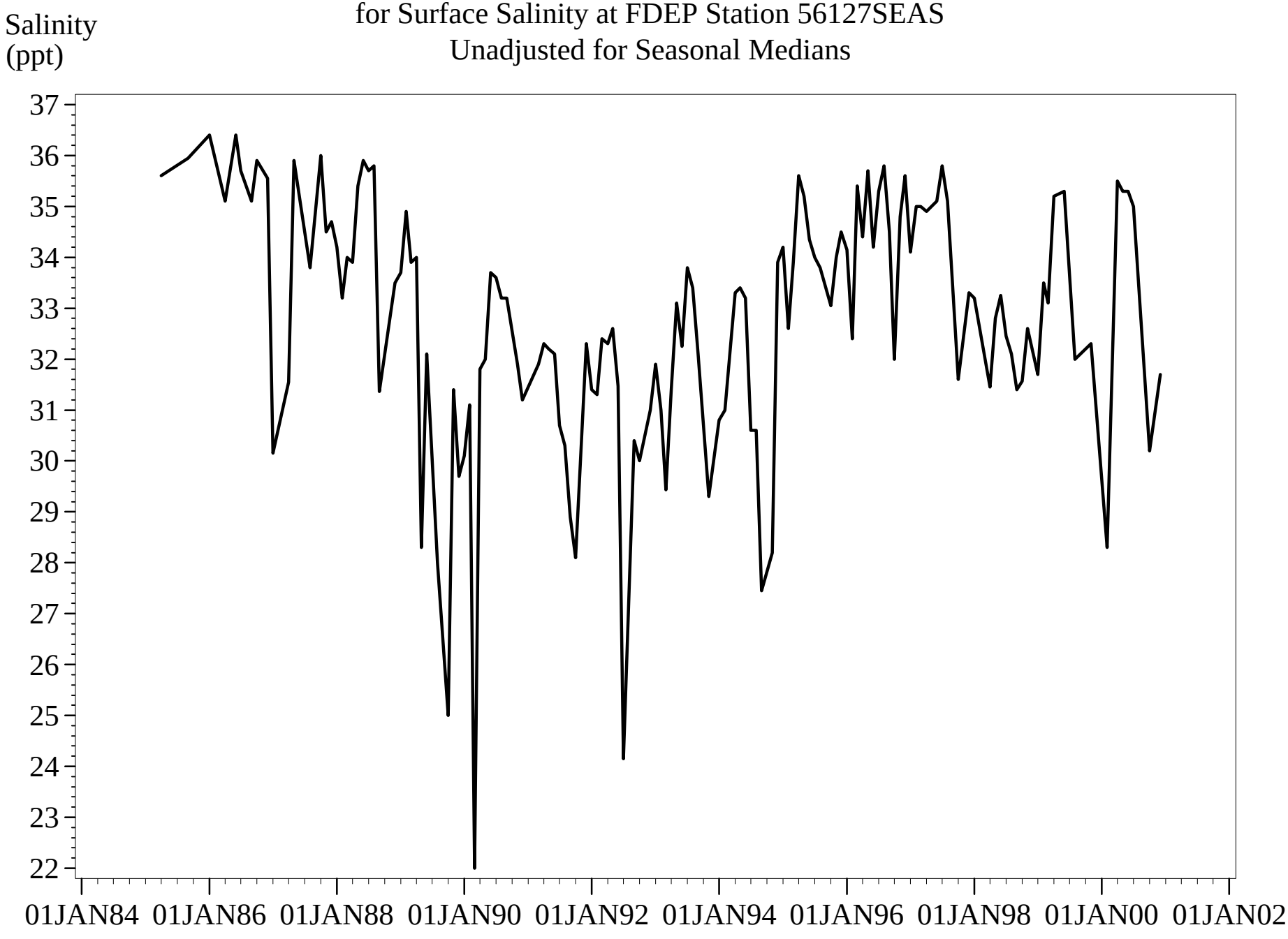
Lemon Bay Trends Appendix - Display 342
Correlogram for Surface Salinity at FDEP Station 56116SEAS

Adjusted for Seasonal Median and Detrended



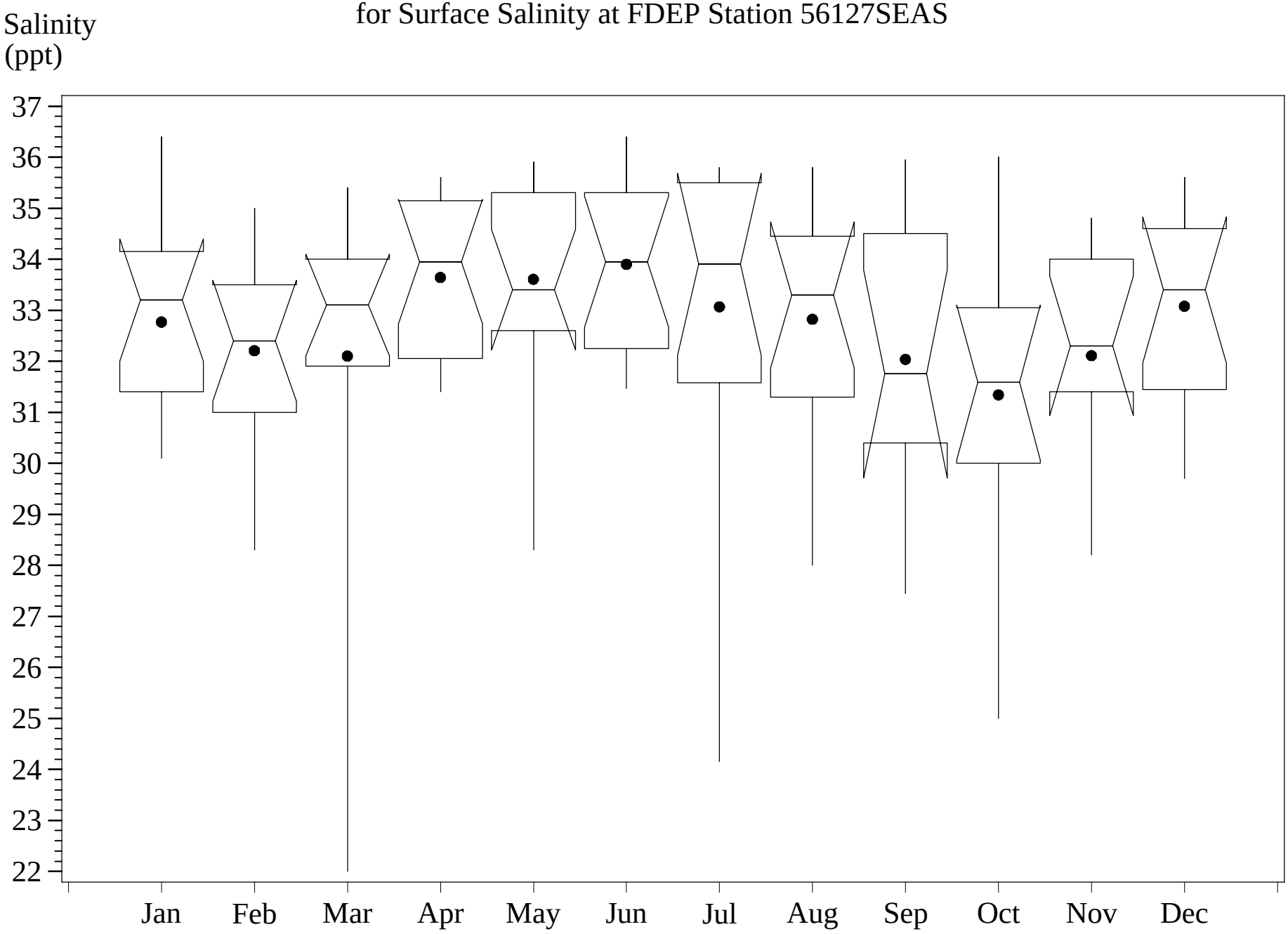
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 343
Monthly Data Time Series
for Surface Salinity at FDEP Station 56127SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 344

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56127SEAS



Lemon Bay Trends Appendix - Display 345

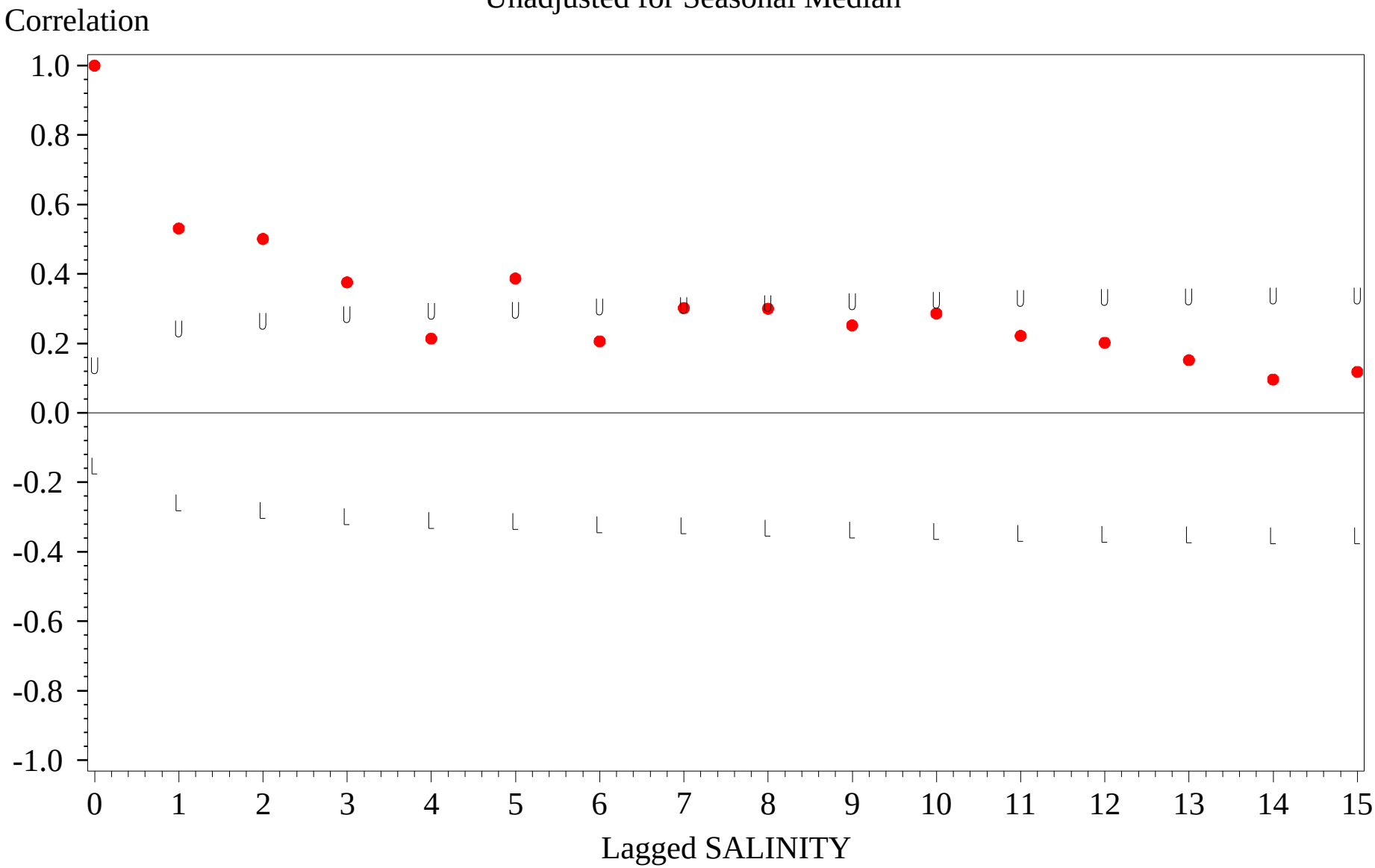
Autocorrelation Statistics for Surface Salinity at FDEP Station 56127SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.531	0.125	0.250	-0.250
2	0.501	0.136	0.272	-0.272
3	0.376	0.146	0.291	-0.291
4	0.214	0.150	0.301	-0.301
5	0.387	0.152	0.304	-0.304
6	0.206	0.157	0.314	-0.314
7	0.302	0.158	0.317	-0.317
8	0.300	0.161	0.323	-0.323
9	0.252	0.164	0.329	-0.329
10	0.286	0.166	0.333	-0.333
11	0.222	0.169	0.338	-0.338
12	0.202	0.170	0.341	-0.341
13	0.152	0.172	0.343	-0.343
14	0.096	0.172	0.345	-0.345
15	0.118	0.173	0.345	-0.345

Lemon Bay Trends Appendix - Display 346
Correlogram for Surface Salinity at FDEP Station 56127SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 347

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56127SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.039	0.561	0.797	0.027

Lemon Bay Trends Appendix - Display 348

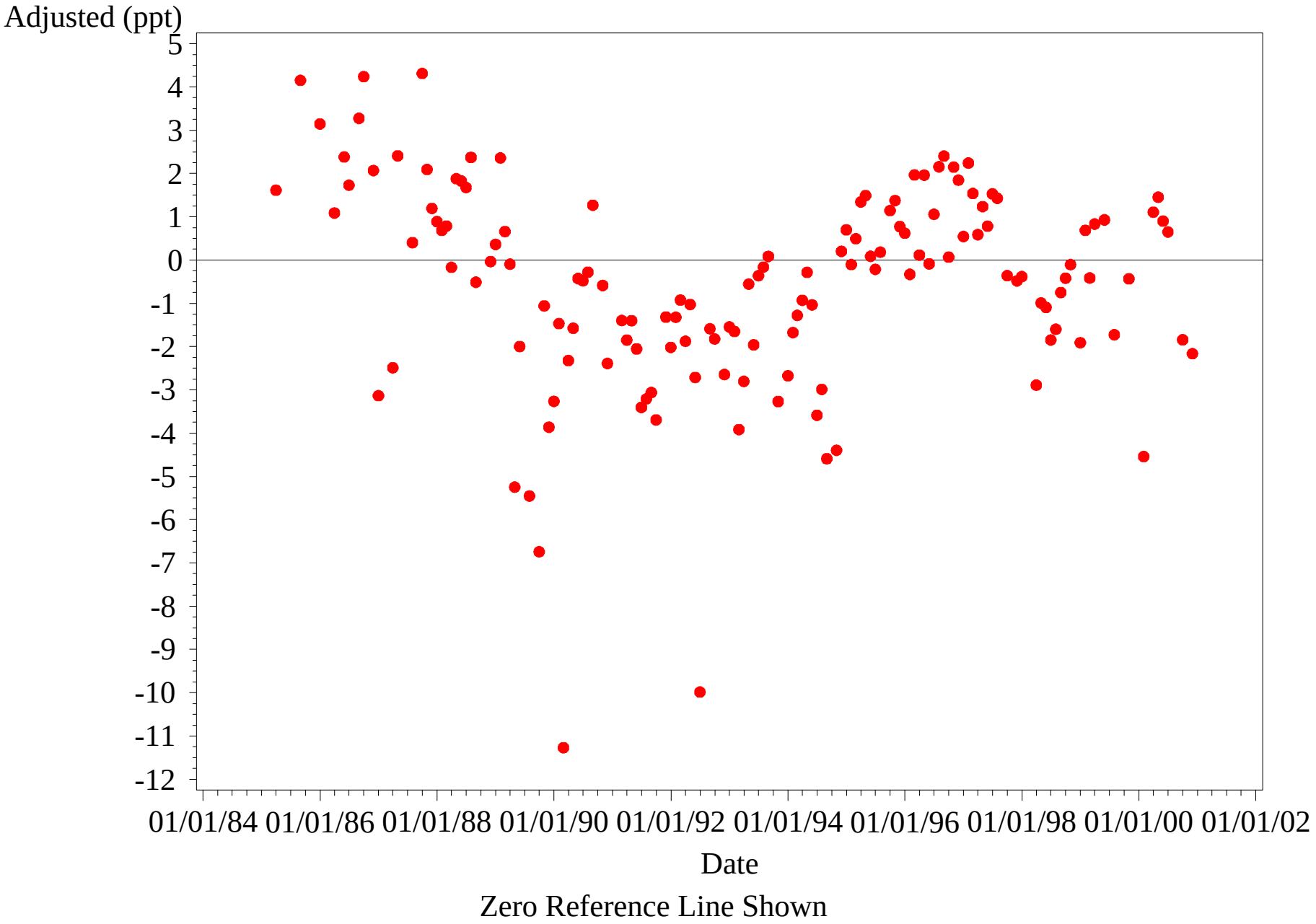
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56127SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.038702	0.56110	0.79733	0.027273

Lemon Bay Trends Appendix - Display 349

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56127SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 350

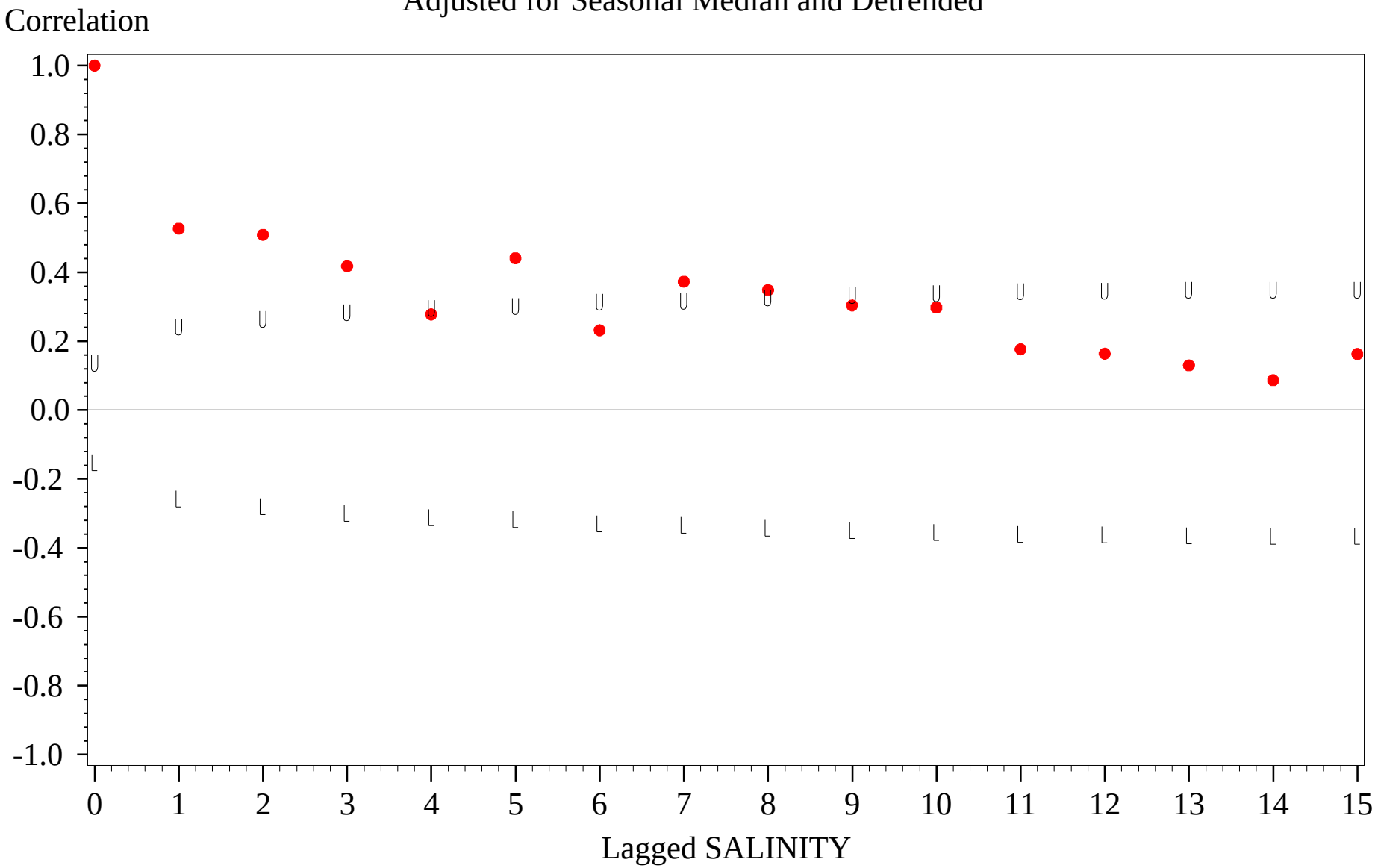
Autocorrelation Statistics for Surface Salinity at FDEP Station 56127SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.527	0.125	0.250	-0.250
2	0.509	0.136	0.272	-0.272
3	0.418	0.146	0.291	-0.291
4	0.278	0.152	0.304	-0.304
5	0.441	0.154	0.309	-0.309
6	0.232	0.161	0.322	-0.322
7	0.373	0.163	0.325	-0.325
8	0.349	0.167	0.334	-0.334
9	0.304	0.171	0.341	-0.341
10	0.298	0.173	0.347	-0.347
11	0.177	0.176	0.352	-0.352
12	0.164	0.177	0.354	-0.354
13	0.130	0.178	0.356	-0.356
14	0.087	0.178	0.357	-0.357
15	0.163	0.179	0.357	-0.357

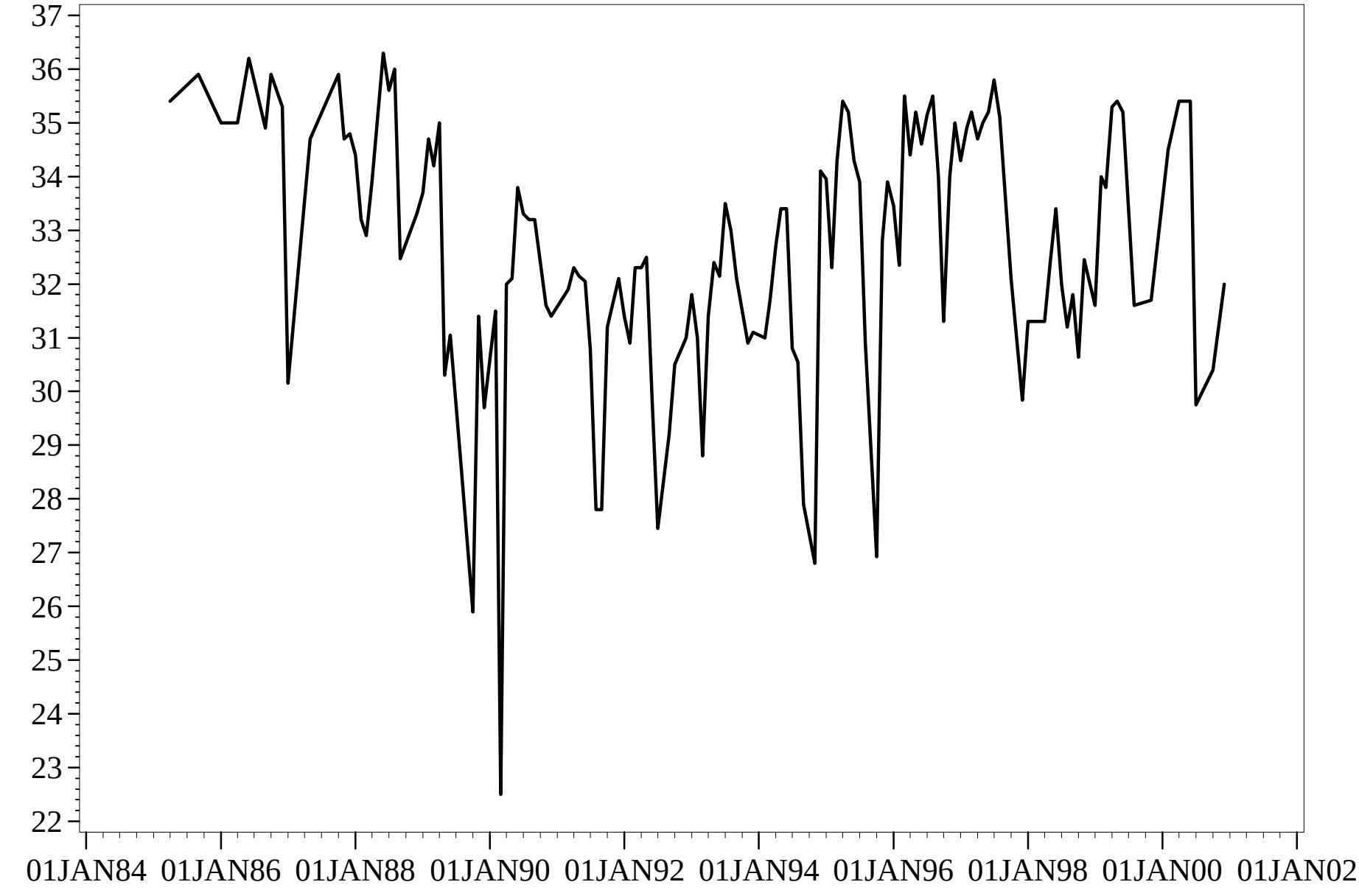
Lemon Bay Trends Appendix - Display 351
Correlogram for Surface Salinity at FDEP Station 56127SEAS

Adjusted for Seasonal Median and Detrended



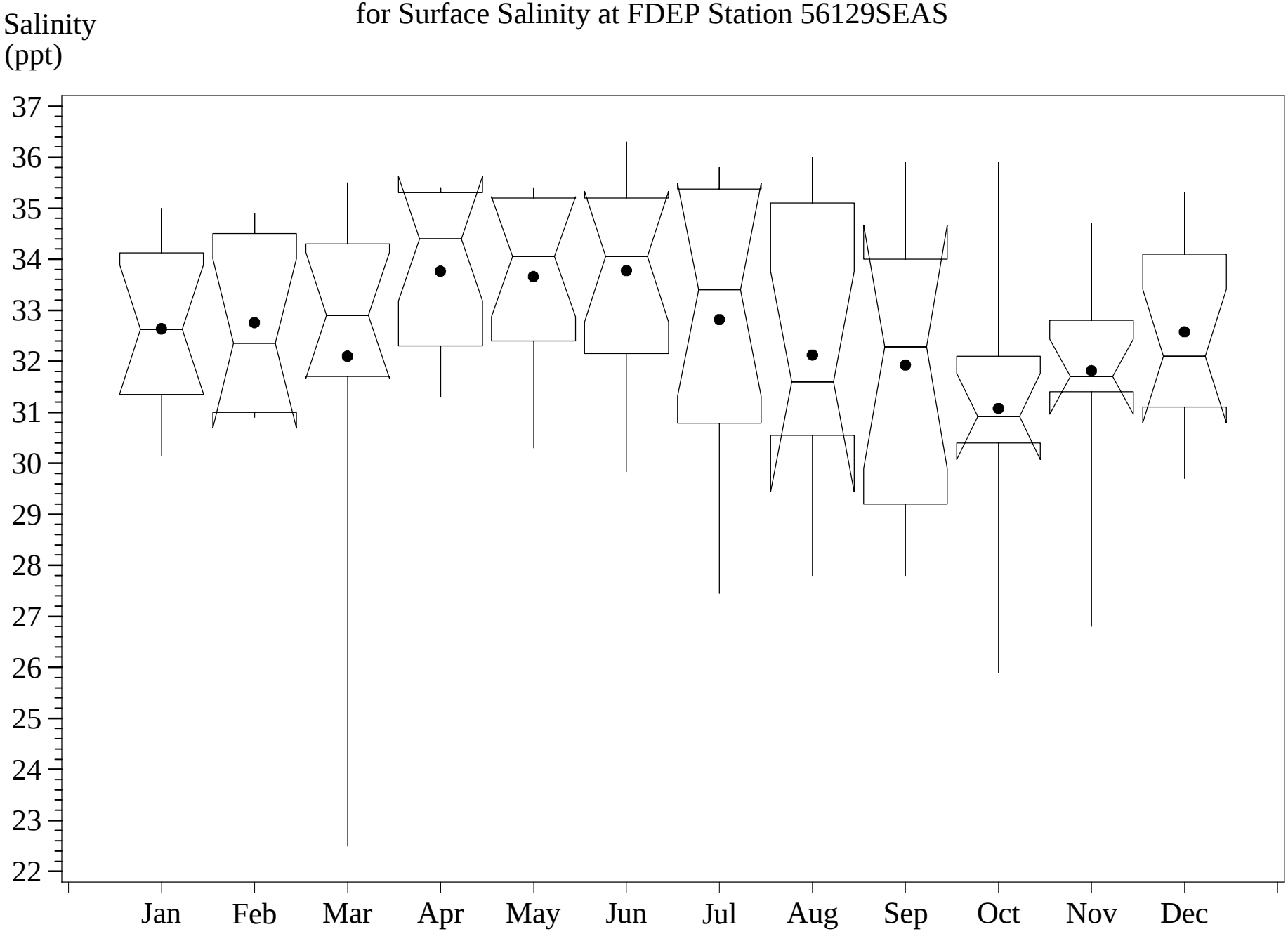
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 352
Monthly Data Time Series
for Surface Salinity at FDEP Station 56129SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 353

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56129SEAS



Lemon Bay Trends Appendix - Display 354

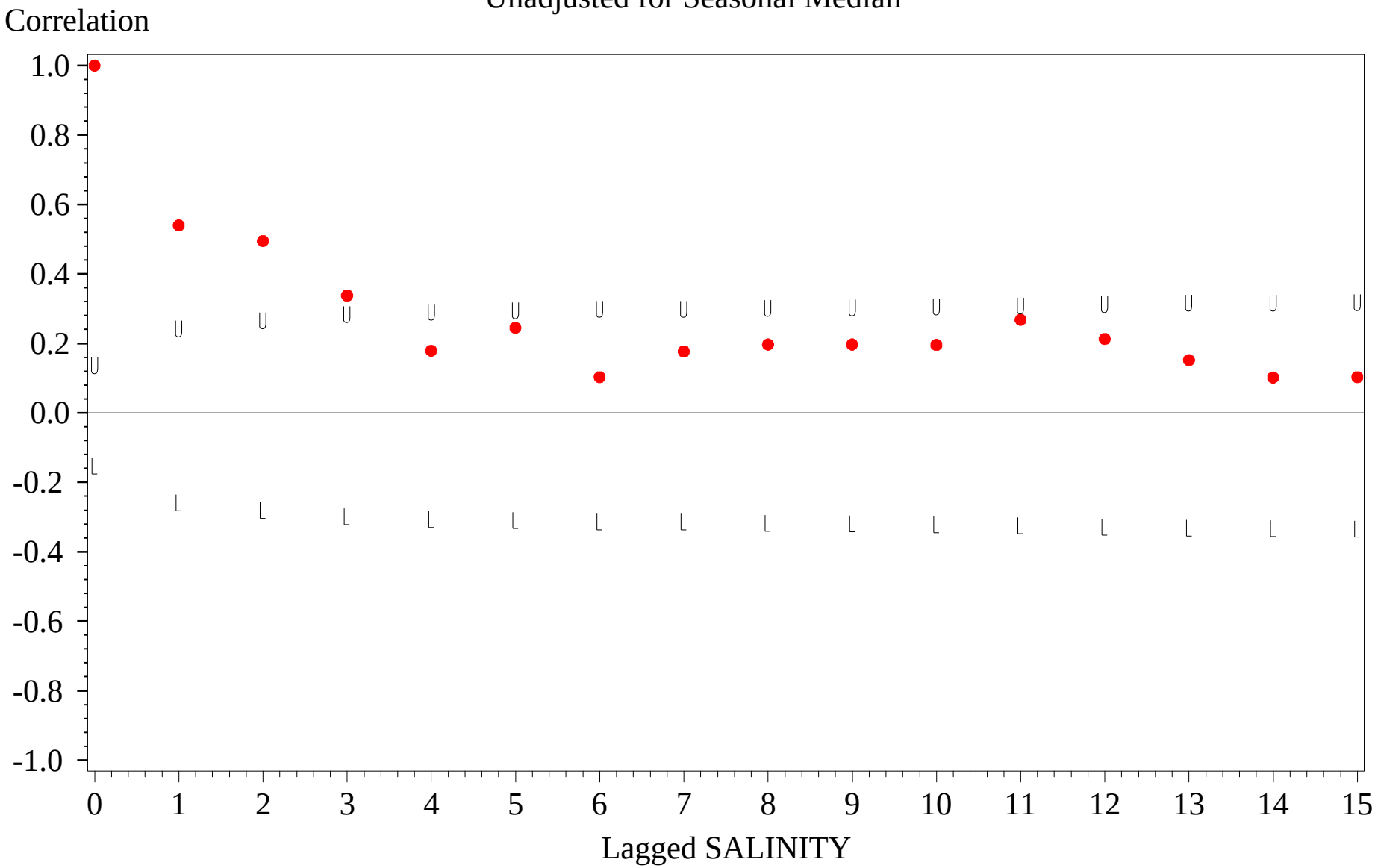
Autocorrelation Statistics for Surface Salinity at FDEP Station 56129SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.540	0.125	0.250	-0.250
2	0.495	0.137	0.273	-0.273
3	0.338	0.146	0.291	-0.291
4	0.179	0.150	0.299	-0.299
5	0.245	0.151	0.302	-0.302
6	0.103	0.153	0.306	-0.306
7	0.177	0.153	0.306	-0.306
8	0.197	0.154	0.309	-0.309
9	0.197	0.156	0.311	-0.311
10	0.196	0.157	0.314	-0.314
11	0.268	0.158	0.316	-0.316
12	0.213	0.160	0.321	-0.321
13	0.152	0.162	0.324	-0.324
14	0.102	0.163	0.325	-0.325
15	0.103	0.163	0.326	-0.326

Lemon Bay Trends Appendix - Display 355
Correlogram for Surface Salinity at FDEP Station 56129SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 356

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56129SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.06	0.366	0.666	0.03

Lemon Bay Trends Appendix - Display 357

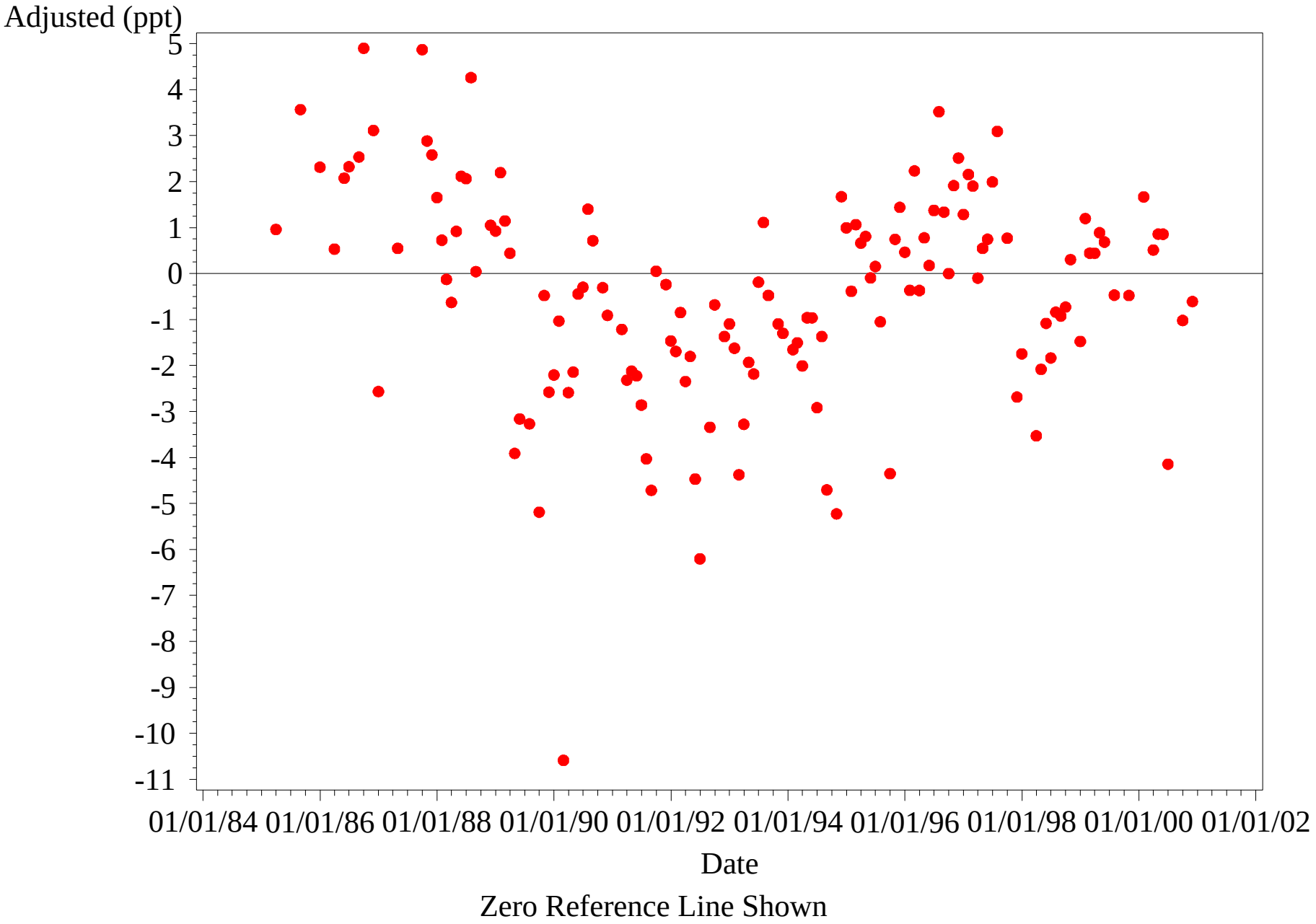
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56129SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.059645	0.36634	0.66615	0.03

Lemon Bay Trends Appendix - Display 358

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56129SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 359

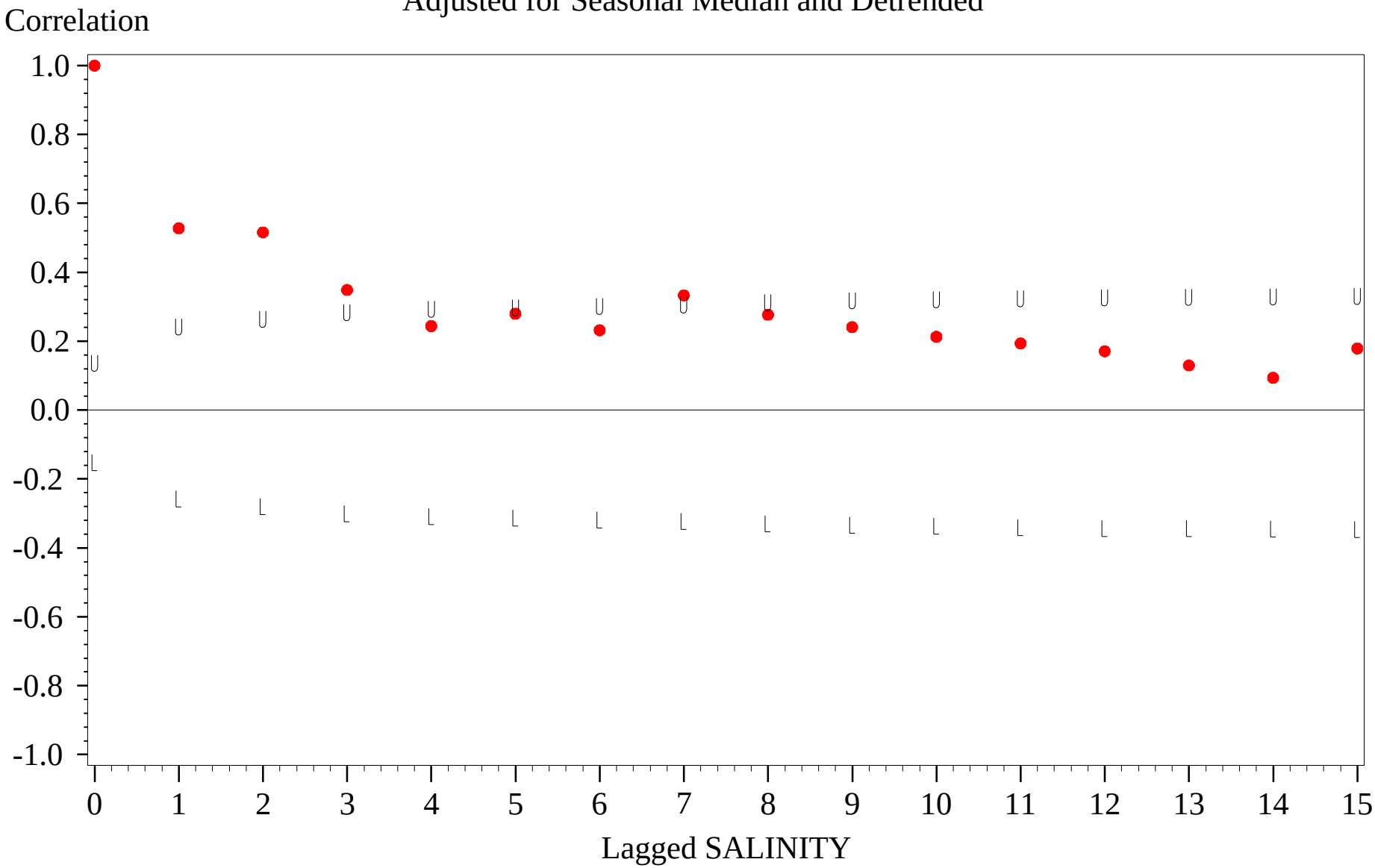
Autocorrelation Statistics for Surface Salinity at FDEP Station 56129SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.528	0.125	0.250	-0.250
2	0.516	0.136	0.272	-0.272
3	0.349	0.146	0.292	-0.292
4	0.244	0.150	0.301	-0.301
5	0.280	0.152	0.305	-0.305
6	0.232	0.155	0.310	-0.310
7	0.333	0.157	0.314	-0.314
8	0.277	0.160	0.321	-0.321
9	0.241	0.163	0.326	-0.326
10	0.213	0.165	0.329	-0.329
11	0.194	0.166	0.332	-0.332
12	0.171	0.167	0.335	-0.335
13	0.130	0.168	0.336	-0.336
14	0.094	0.169	0.337	-0.337
15	0.179	0.169	0.338	-0.338

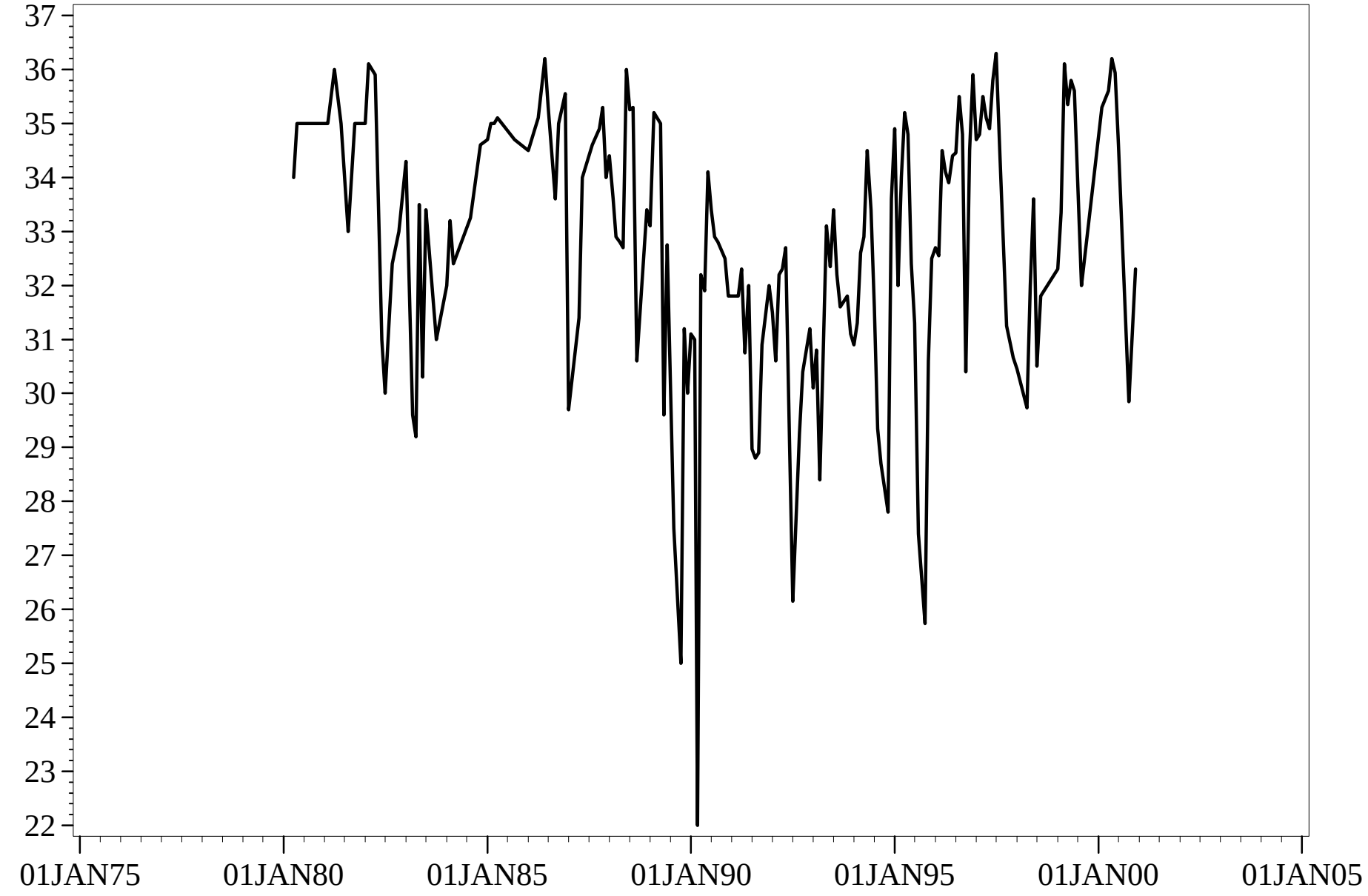
Lemon Bay Trends Appendix - Display 360
Correlogram for Surface Salinity at FDEP Station 56129SEAS

Adjusted for Seasonal Median and Detrended



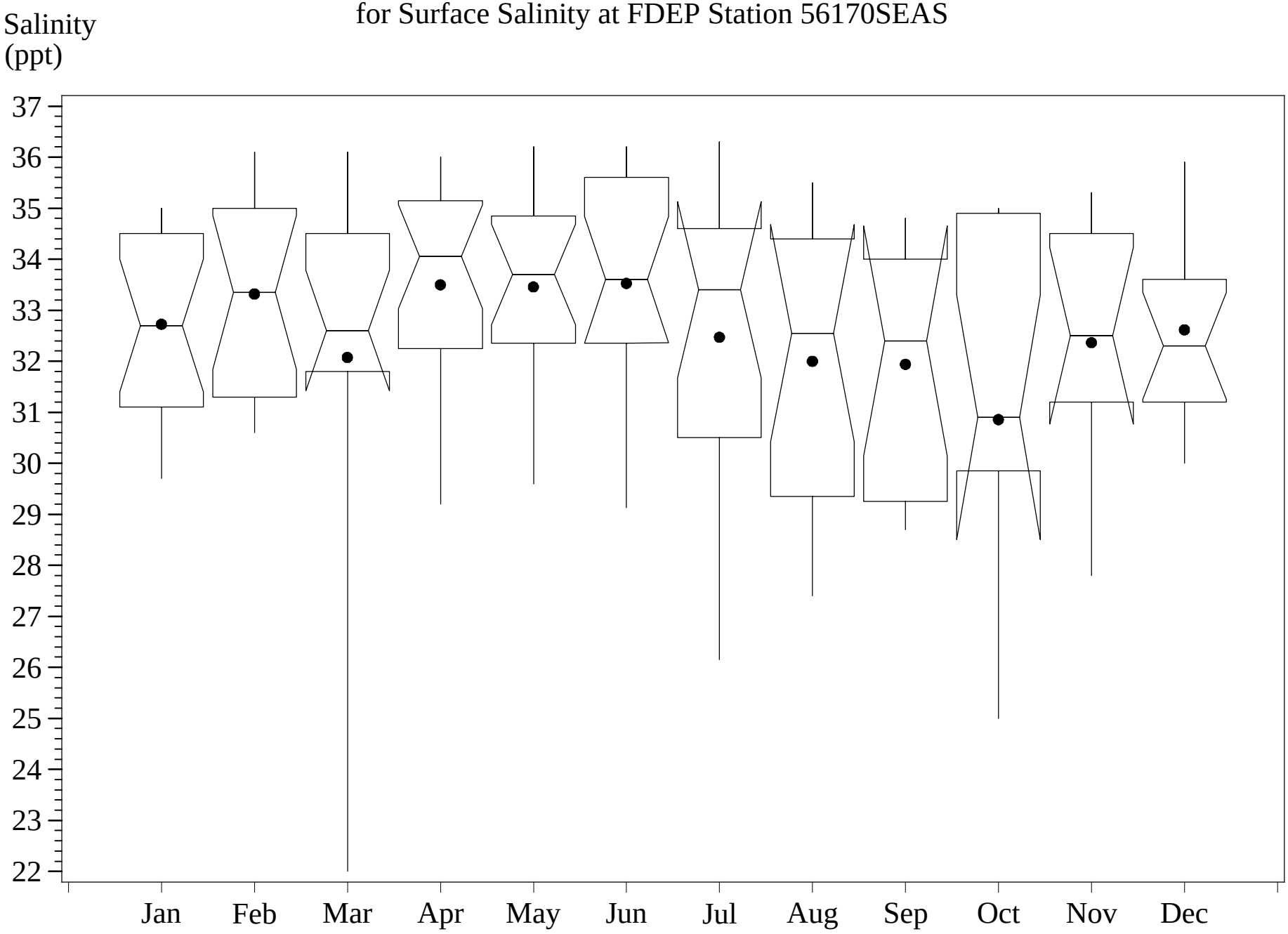
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 361
Monthly Data Time Series
for Surface Salinity at FDEP Station 56170SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 362

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56170SEAS



Lemon Bay Trends Appendix - Display 363

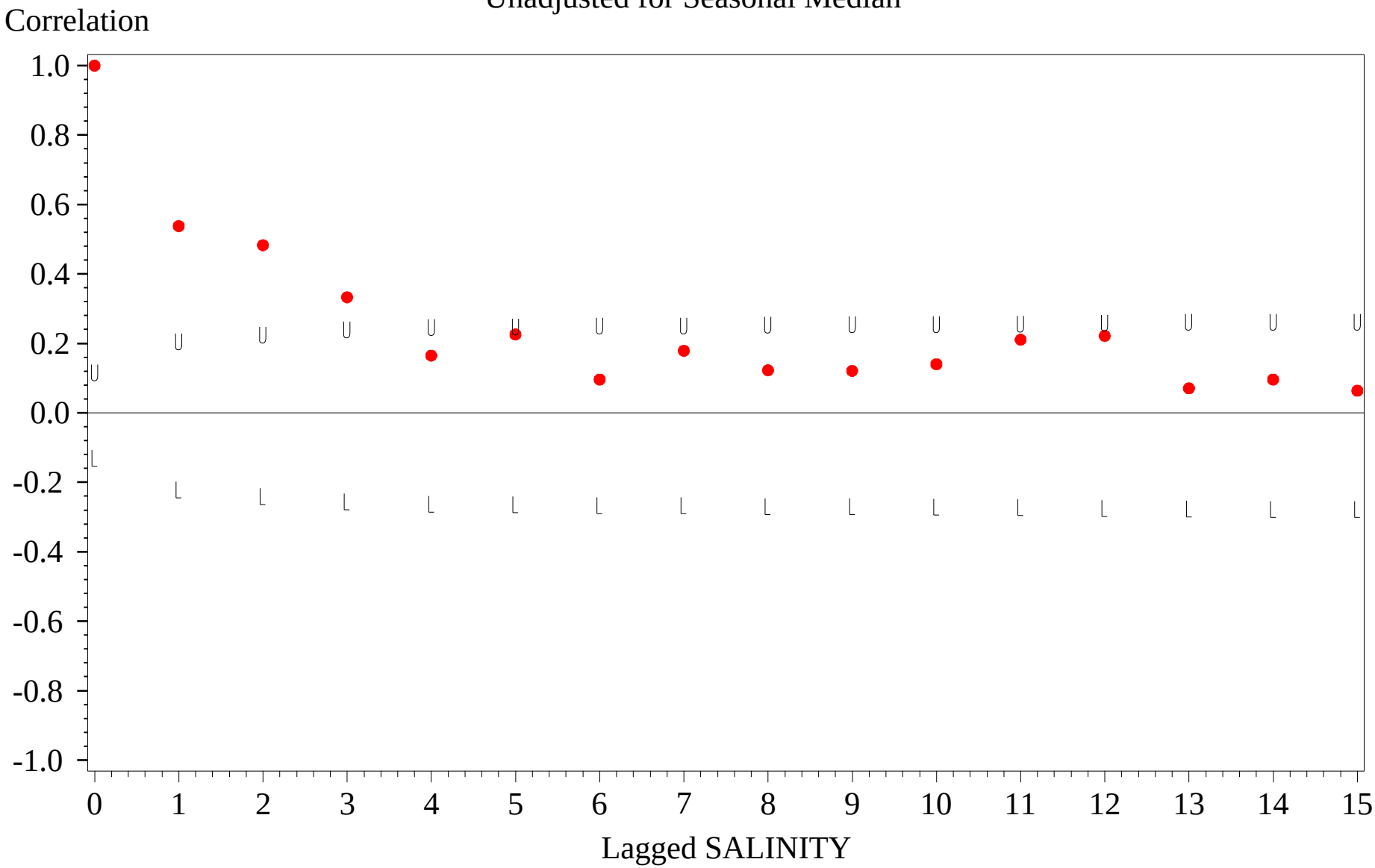
Autocorrelation Statistics for Surface Salinity at FDEP Station 56170SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.538	0.107	0.213	-0.213
2	0.483	0.116	0.233	-0.233
3	0.333	0.124	0.248	-0.248
4	0.165	0.127	0.254	-0.254
5	0.226	0.128	0.256	-0.256
6	0.096	0.129	0.259	-0.259
7	0.179	0.130	0.259	-0.259
8	0.123	0.131	0.261	-0.261
9	0.121	0.131	0.262	-0.262
10	0.140	0.132	0.263	-0.263
11	0.211	0.132	0.264	-0.264
12	0.222	0.133	0.267	-0.267
13	0.071	0.135	0.269	-0.269
14	0.096	0.135	0.270	-0.270
15	0.064	0.135	0.270	-0.270

Lemon Bay Trends Appendix - Display 364
Correlogram for Surface Salinity at FDEP Station 56170SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 365

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56170SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-.004	0.953	0.976	0

Lemon Bay Trends Appendix - Display 366

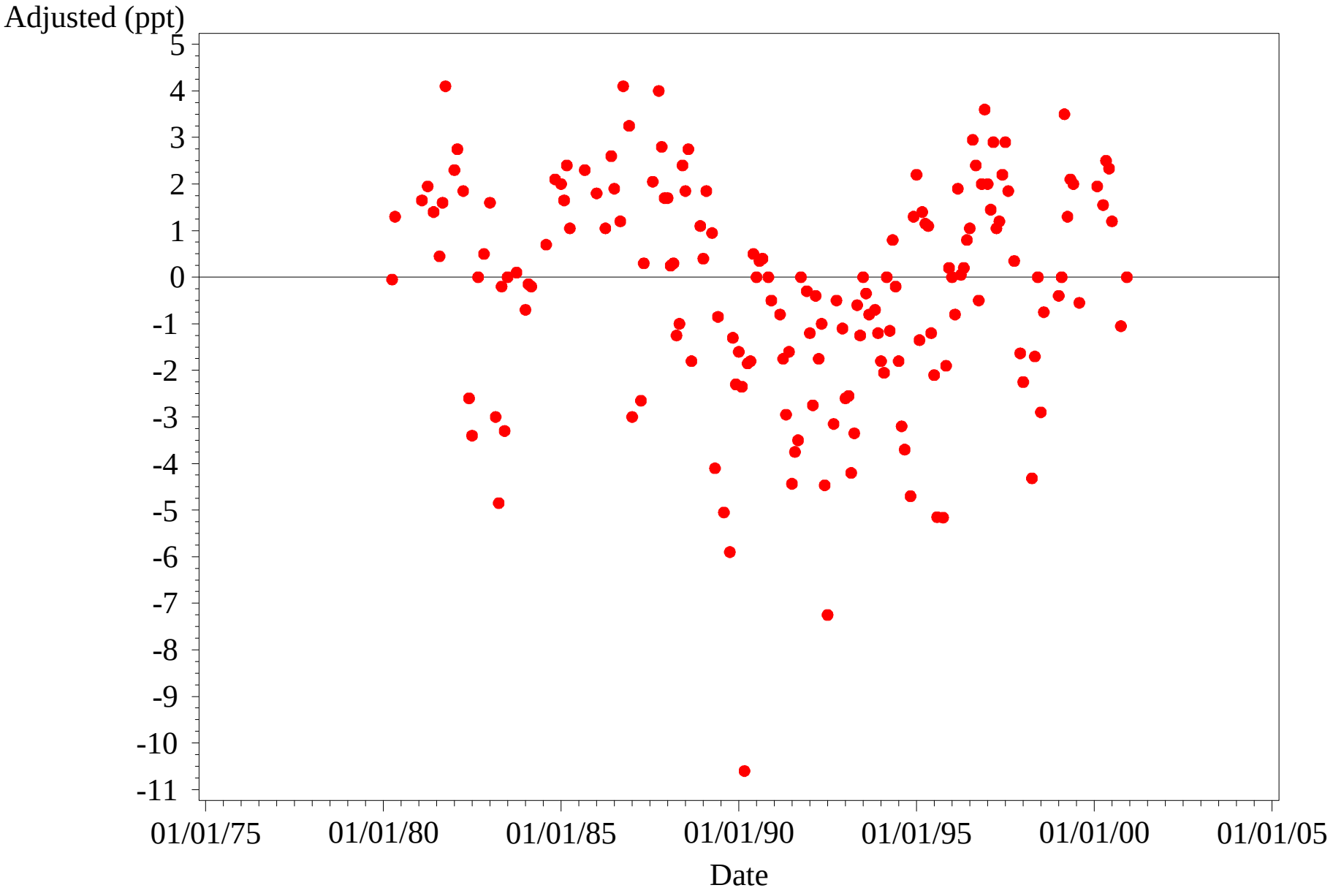
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56170SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-.00426985	0.95319	0.97553	0

Lemon Bay Trends Appendix - Display 367

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56170SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 368

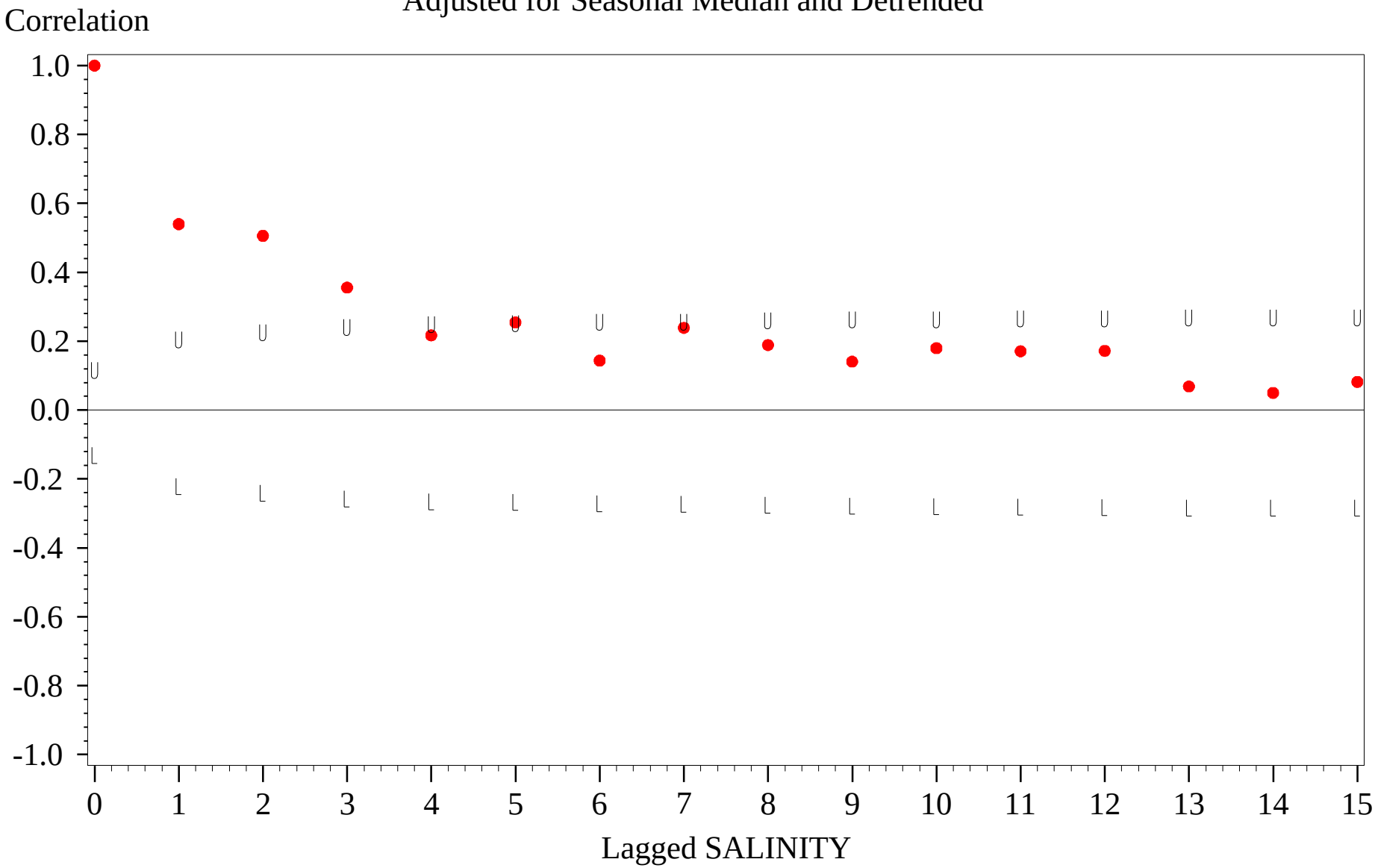
Autocorrelation Statistics for Surface Salinity at FDEP Station 56170SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.540	0.107	0.213	-0.213
2	0.506	0.116	0.233	-0.233
3	0.356	0.125	0.249	-0.249
4	0.217	0.128	0.257	-0.257
5	0.255	0.130	0.259	-0.259
6	0.144	0.132	0.263	-0.263
7	0.239	0.132	0.264	-0.264
8	0.189	0.134	0.268	-0.268
9	0.141	0.135	0.270	-0.270
10	0.180	0.135	0.271	-0.271
11	0.171	0.136	0.273	-0.273
12	0.172	0.137	0.274	-0.274
13	0.069	0.138	0.276	-0.276
14	0.050	0.138	0.276	-0.276
15	0.082	0.138	0.276	-0.276

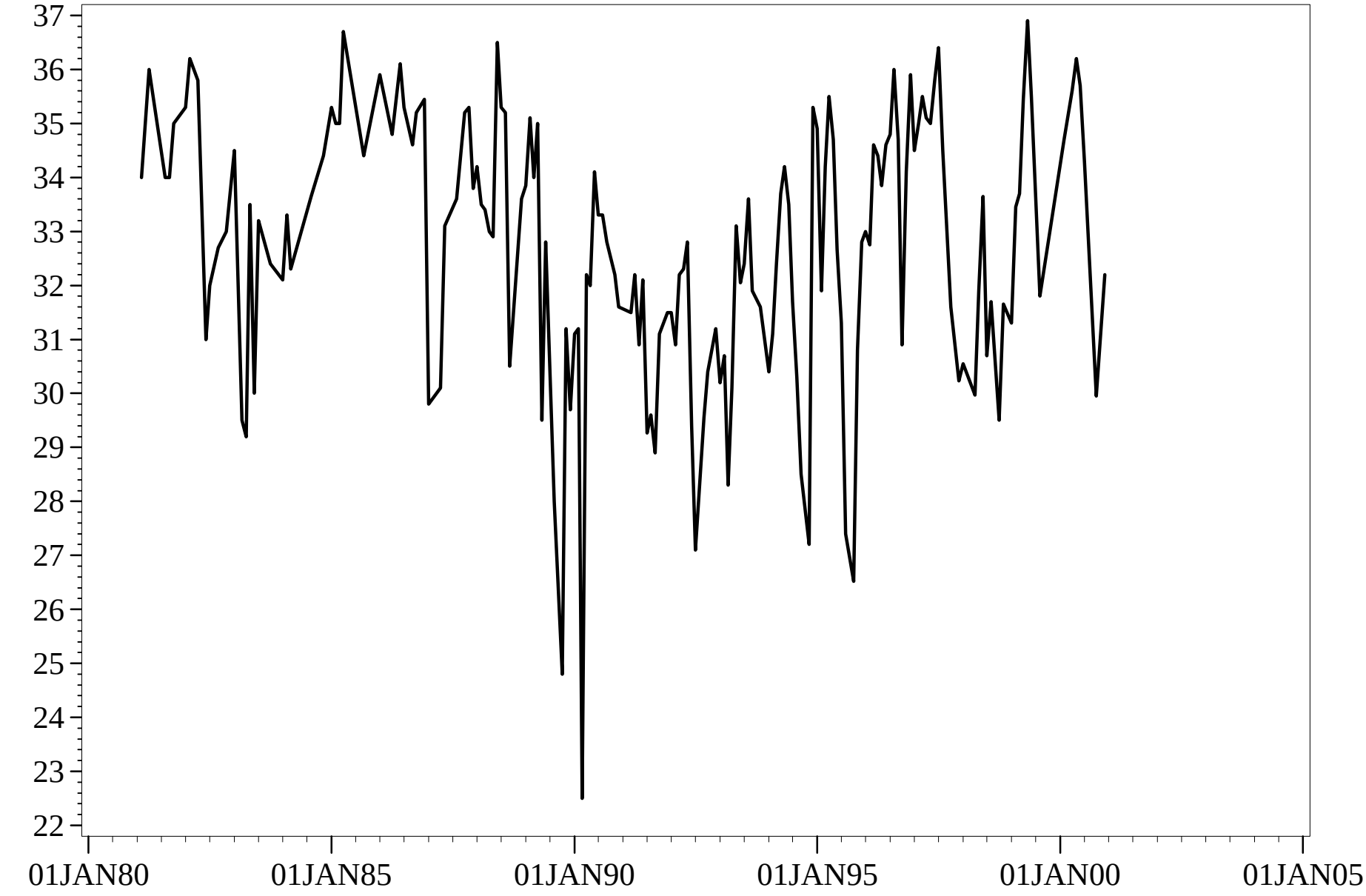
Lemon Bay Trends Appendix - Display 369
Correlogram for Surface Salinity at FDEP Station 56170SEAS

Adjusted for Seasonal Median and Detrended



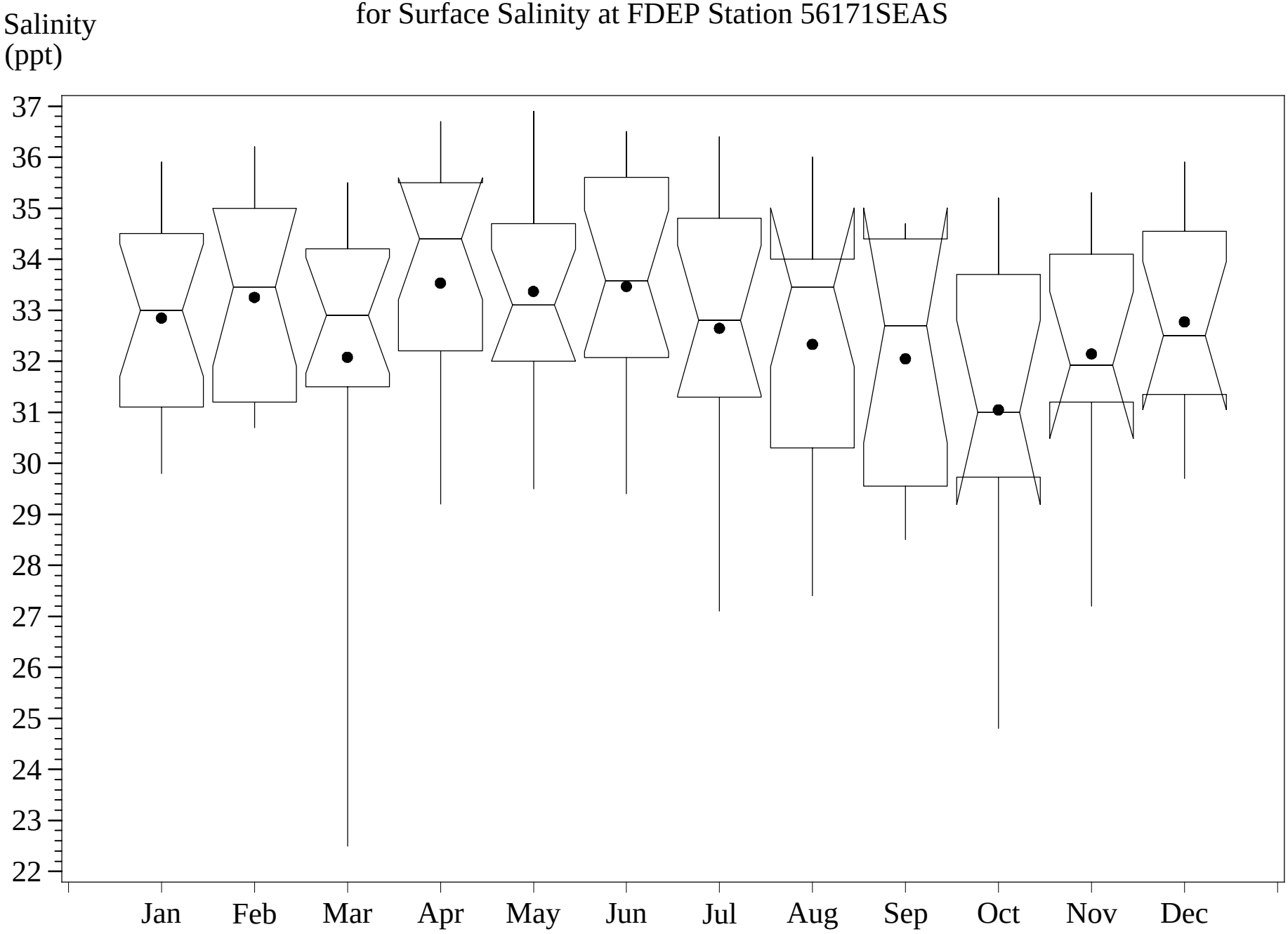
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 370
Monthly Data Time Series
for Surface Salinity at FDEP Station 56171SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 371

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56171SEAS



Lemon Bay Trends Appendix - Display 372

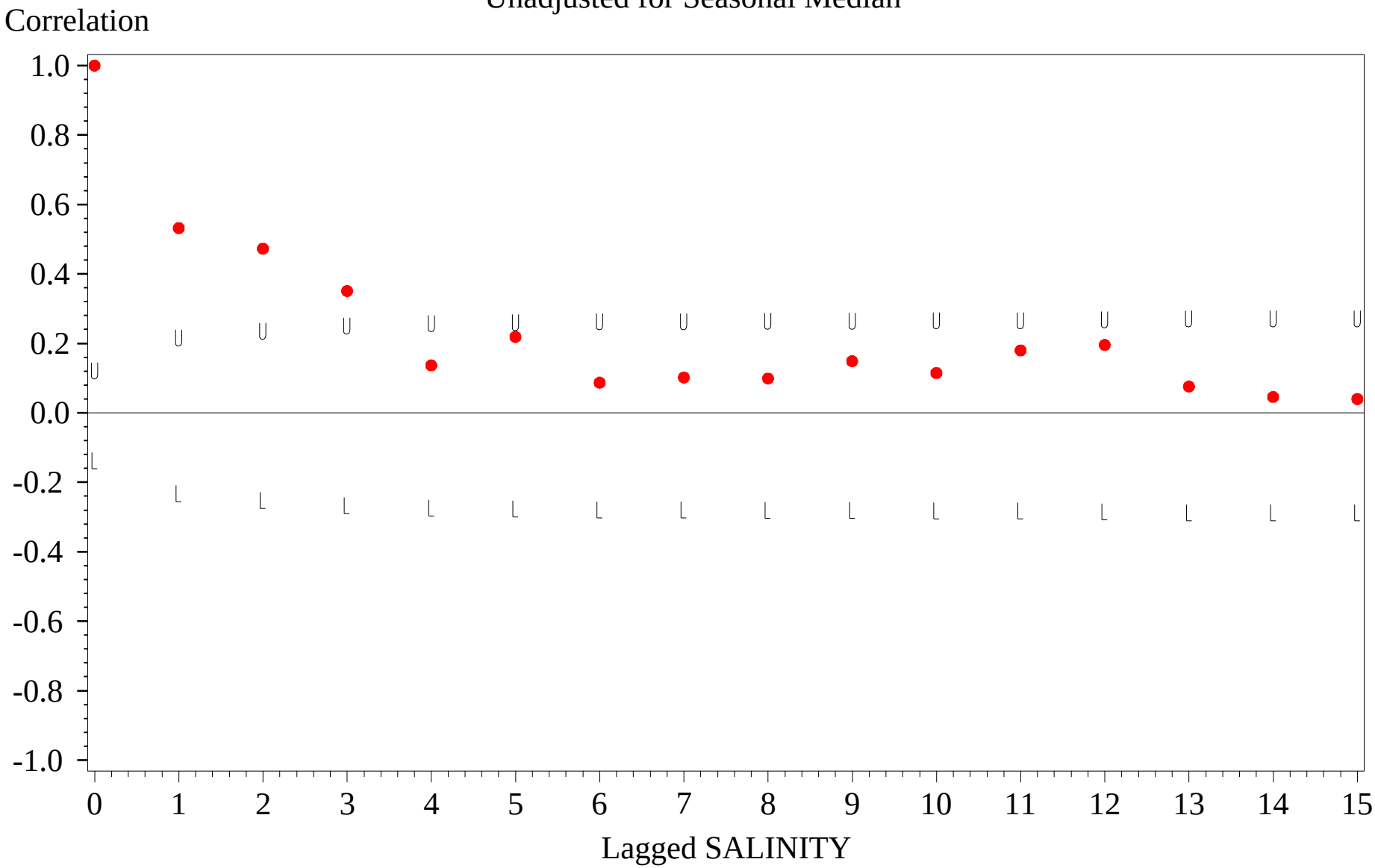
Autocorrelation Statistics for Surface Salinity at FDEP Station 56171SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.532	0.112	0.224	-0.224
2	0.473	0.122	0.244	-0.244
3	0.351	0.129	0.259	-0.259
4	0.137	0.133	0.266	-0.266
5	0.219	0.134	0.268	-0.268
6	0.087	0.135	0.271	-0.271
7	0.102	0.136	0.271	-0.271
8	0.099	0.136	0.272	-0.272
9	0.149	0.136	0.272	-0.272
10	0.115	0.137	0.274	-0.274
11	0.180	0.137	0.274	-0.274
12	0.196	0.138	0.276	-0.276
13	0.076	0.139	0.279	-0.279
14	0.046	0.140	0.279	-0.279
15	0.040	0.140	0.279	-0.279

Lemon Bay Trends Appendix - Display 373
Correlogram for Surface Salinity at FDEP Station 56171SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 374

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56171SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.022	0.718	0.85	-0.015

Lemon Bay Trends Appendix - Display 375

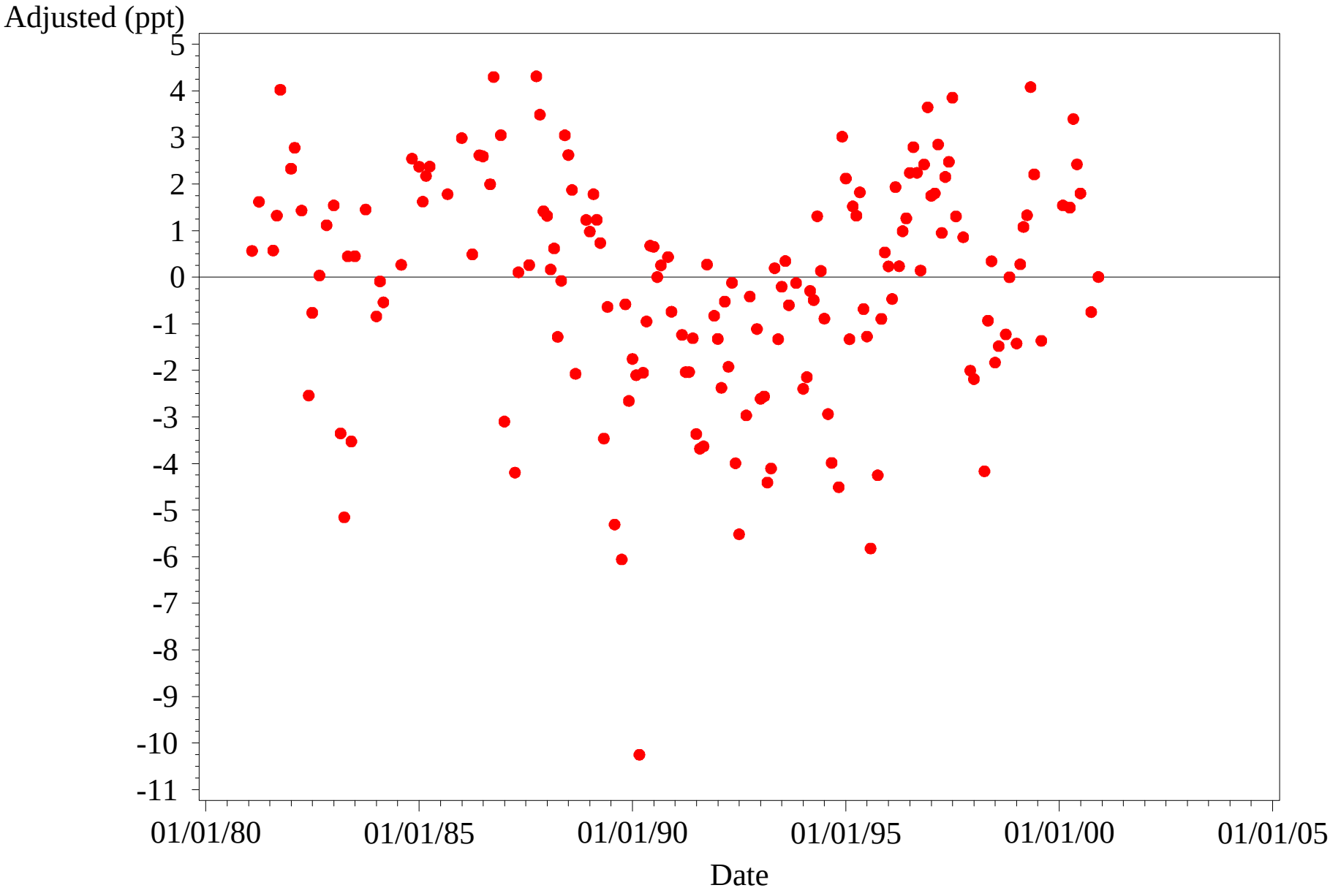
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56171SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.021891	0.71822	0.85015	-0.014583

Lemon Bay Trends Appendix - Display 376

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56171SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 377

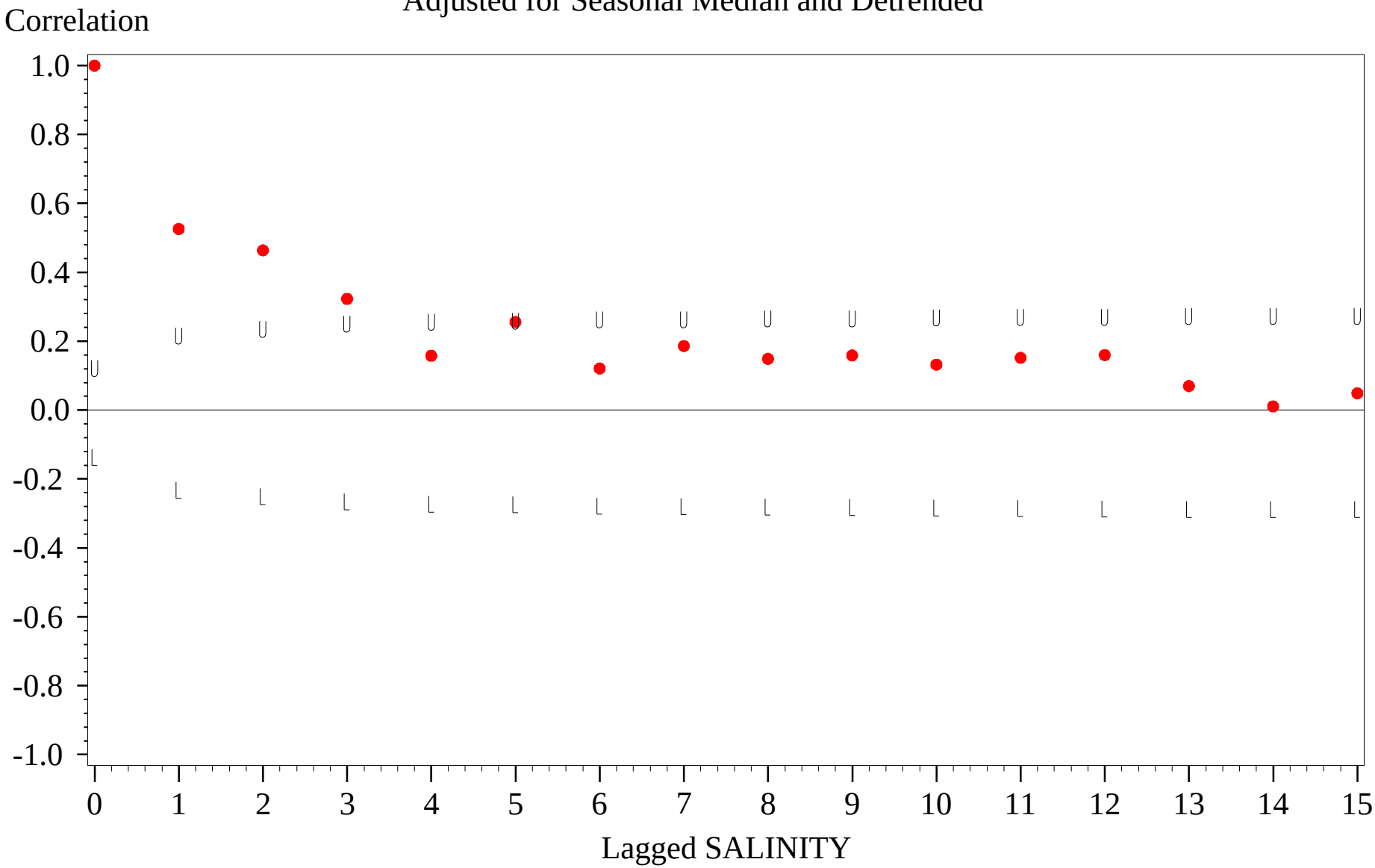
Autocorrelation Statistics for Surface Salinity at FDEP Station 56171SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.526	0.112	0.224	-0.224
2	0.464	0.122	0.243	-0.243
3	0.323	0.129	0.258	-0.258
4	0.158	0.132	0.264	-0.264
5	0.256	0.133	0.266	-0.266
6	0.121	0.135	0.270	-0.270
7	0.186	0.135	0.271	-0.271
8	0.149	0.137	0.273	-0.273
9	0.159	0.137	0.274	-0.274
10	0.132	0.138	0.276	-0.276
11	0.152	0.138	0.277	-0.277
12	0.160	0.139	0.278	-0.278
13	0.070	0.140	0.280	-0.280
14	0.011	0.140	0.280	-0.280
15	0.049	0.140	0.280	-0.280

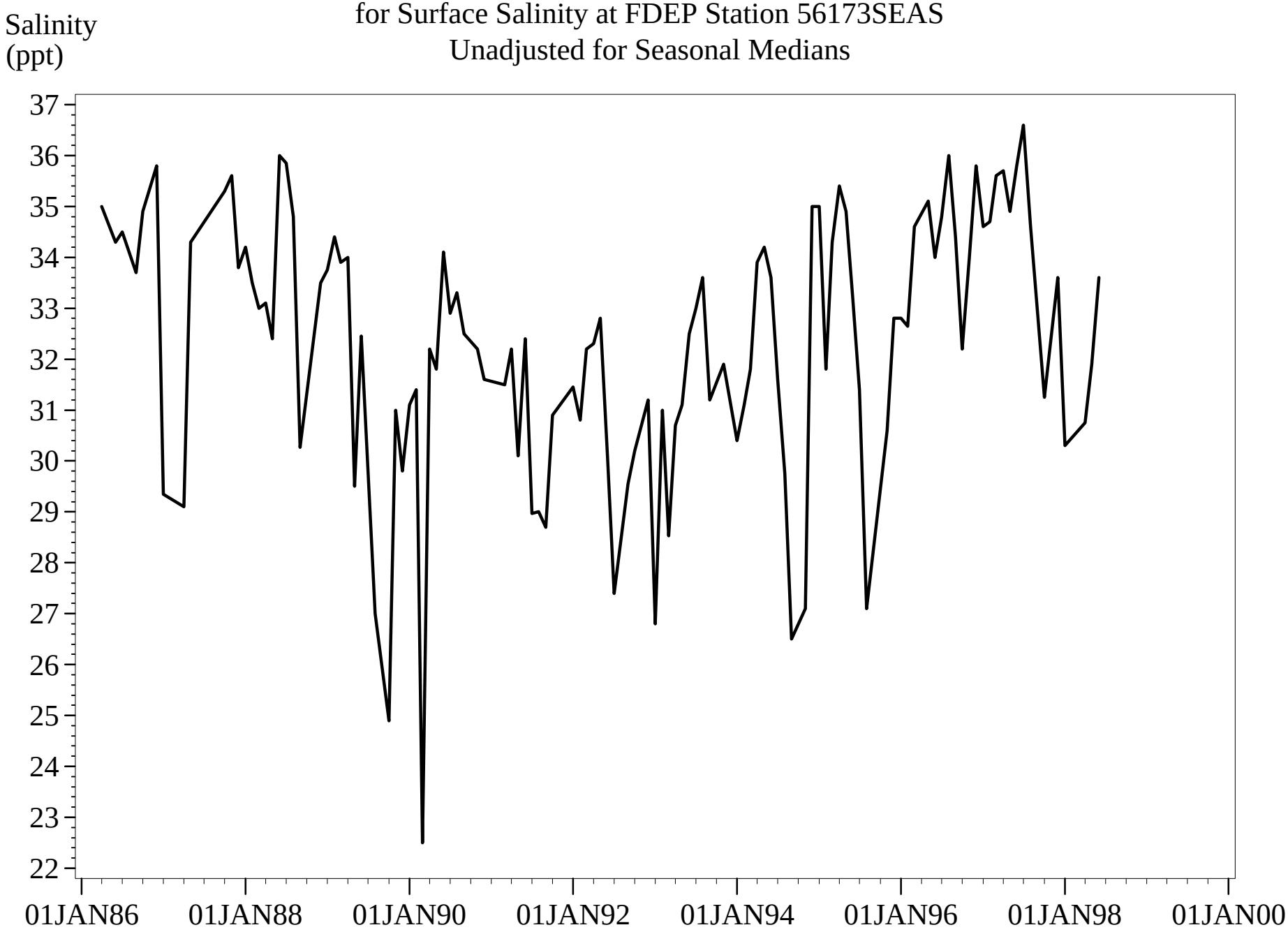
Lemon Bay Trends Appendix - Display 378
Correlogram for Surface Salinity at FDEP Station 56171SEAS

Adjusted for Seasonal Median and Detrended



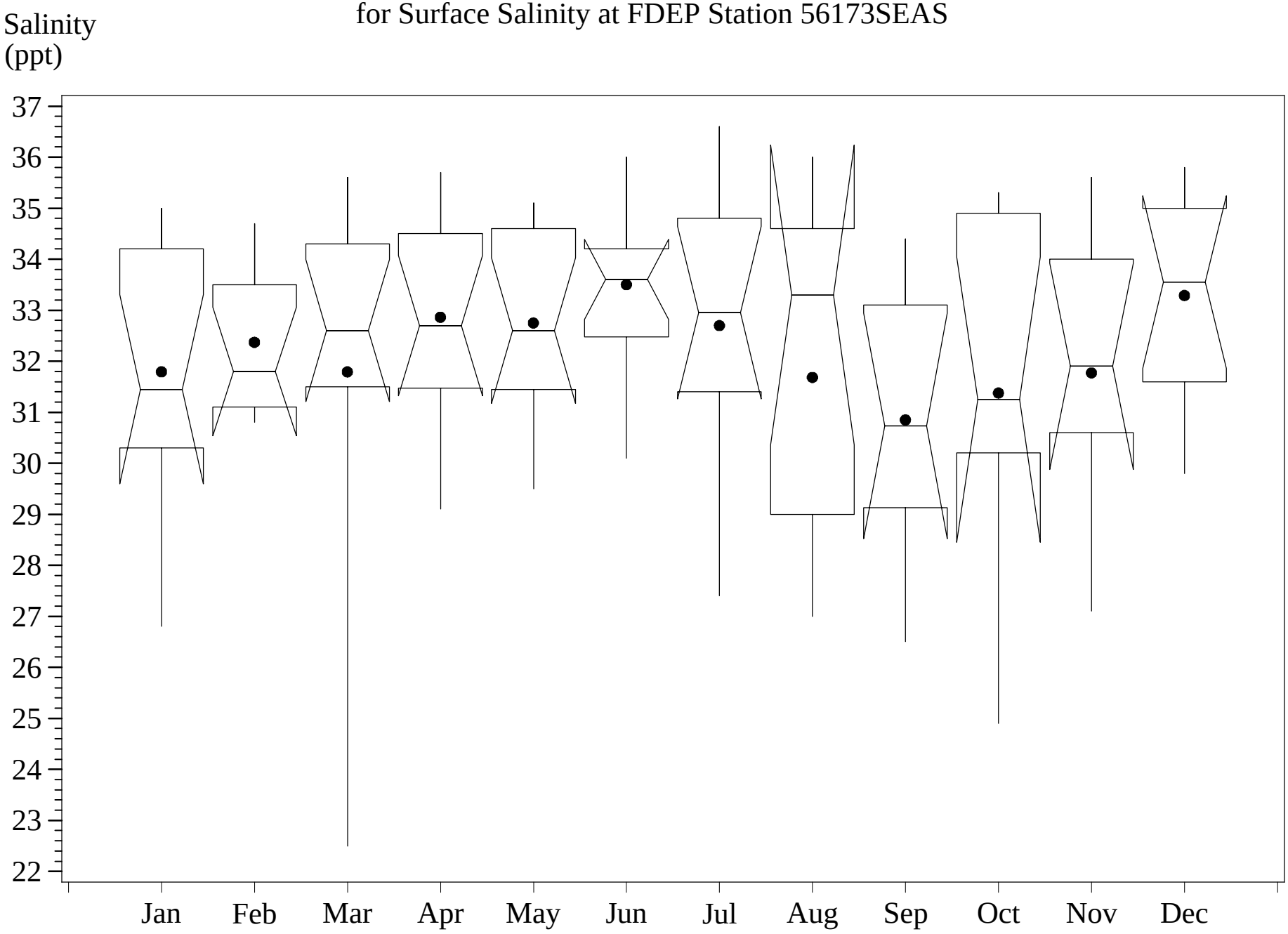
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 379
Monthly Data Time Series
for Surface Salinity at FDEP Station 56173SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 380

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56173SEAS



Lemon Bay Trends Appendix - Display 381

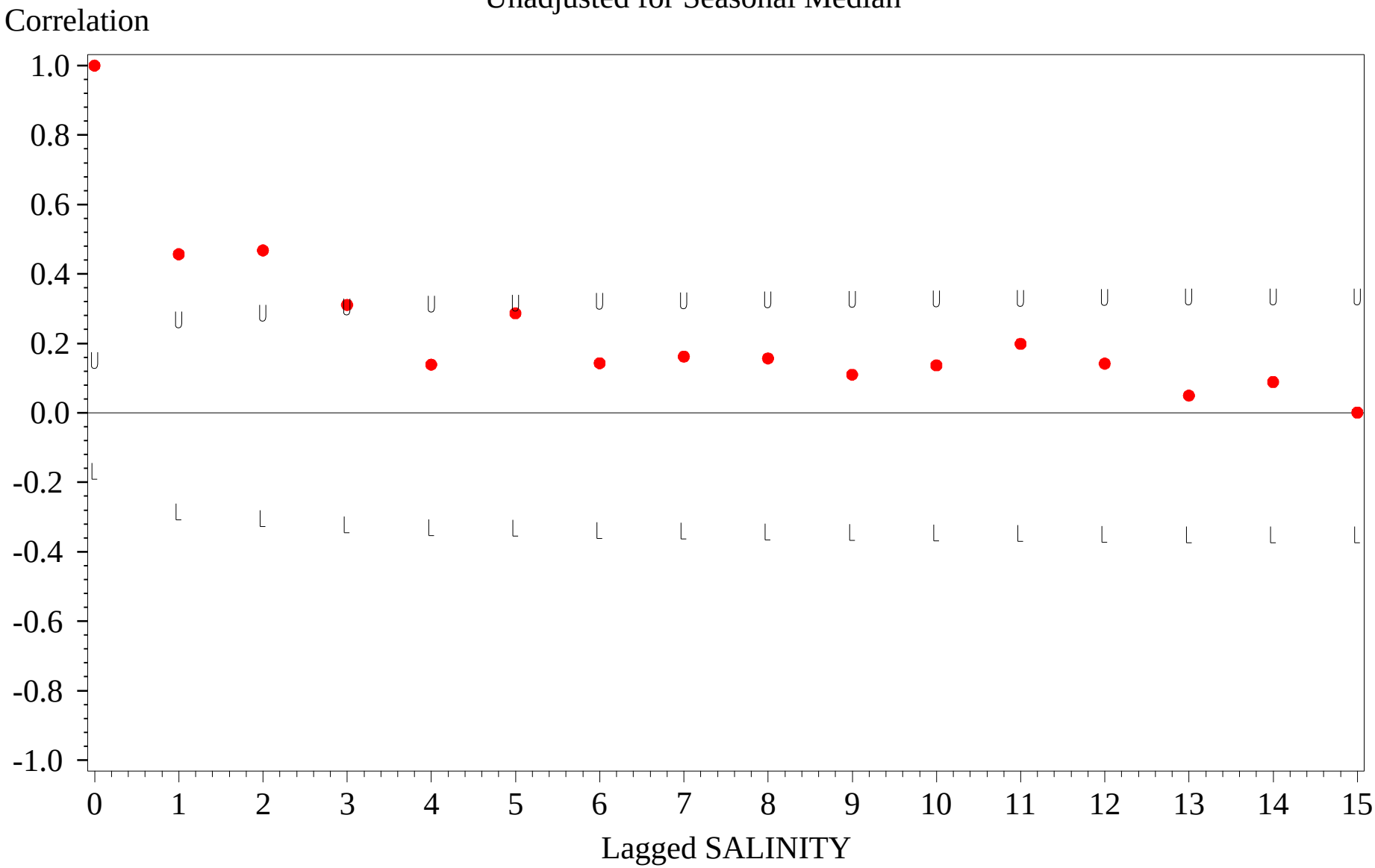
Autocorrelation Statistics for Surface Salinity at FDEP Station 56173SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.457	0.139	0.277	-0.277
2	0.468	0.148	0.296	-0.296
3	0.311	0.157	0.314	-0.314
4	0.139	0.161	0.322	-0.322
5	0.287	0.162	0.324	-0.324
6	0.143	0.165	0.330	-0.330
7	0.162	0.166	0.332	-0.332
8	0.157	0.167	0.334	-0.334
9	0.110	0.168	0.336	-0.336
10	0.137	0.168	0.337	-0.337
11	0.199	0.169	0.338	-0.338
12	0.142	0.171	0.341	-0.341
13	0.050	0.171	0.343	-0.343
14	0.089	0.171	0.343	-0.343
15	0.001	0.172	0.343	-0.343

Lemon Bay Trends Appendix - Display 382
Correlogram for Surface Salinity at FDEP Station 56173SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 383

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56173SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.102	0.173	0.505	0.1

Lemon Bay Trends Appendix - Display 384

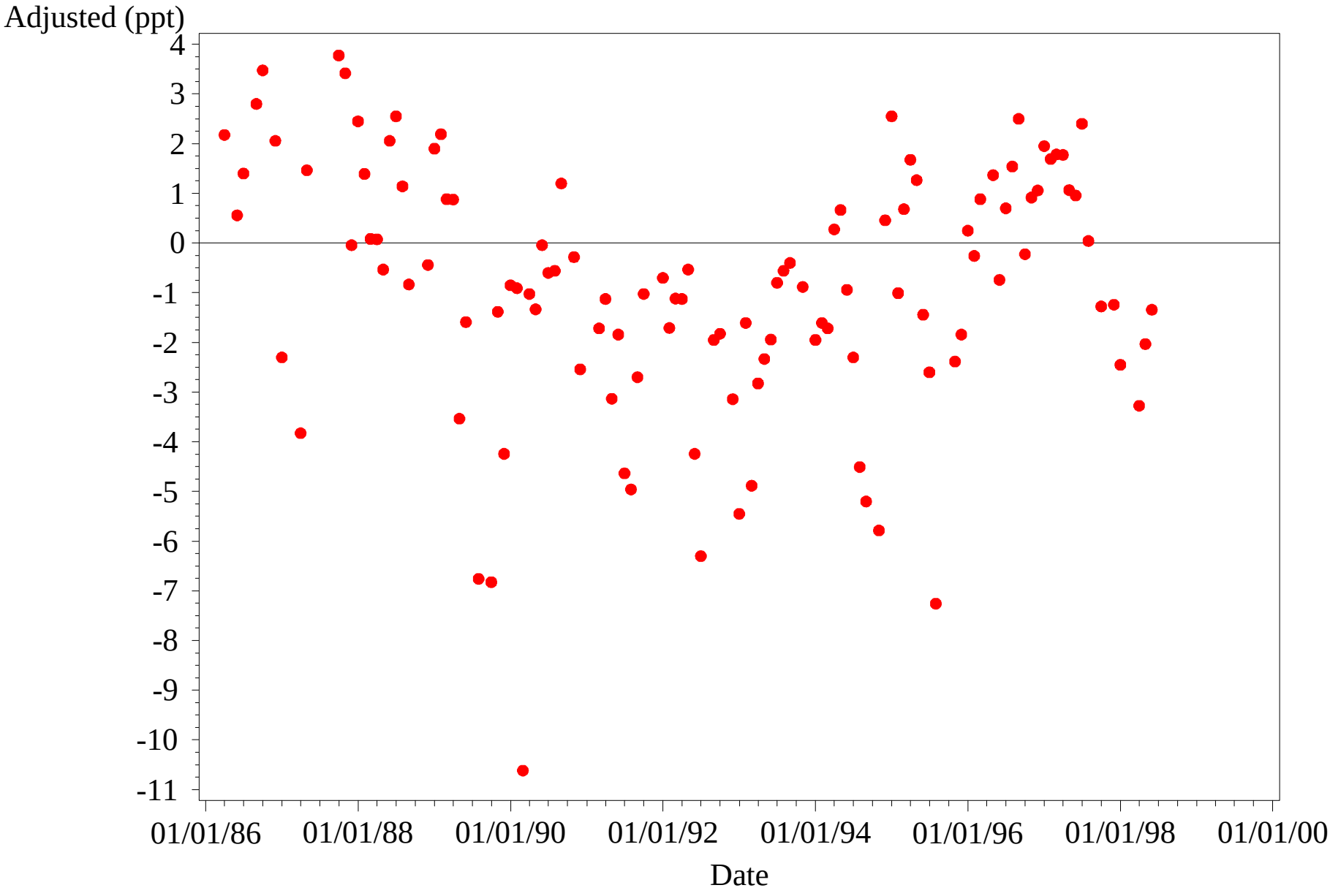
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56173SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.10189	0.17288	0.50493	0.1

Lemon Bay Trends Appendix - Display 385

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56173SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 386

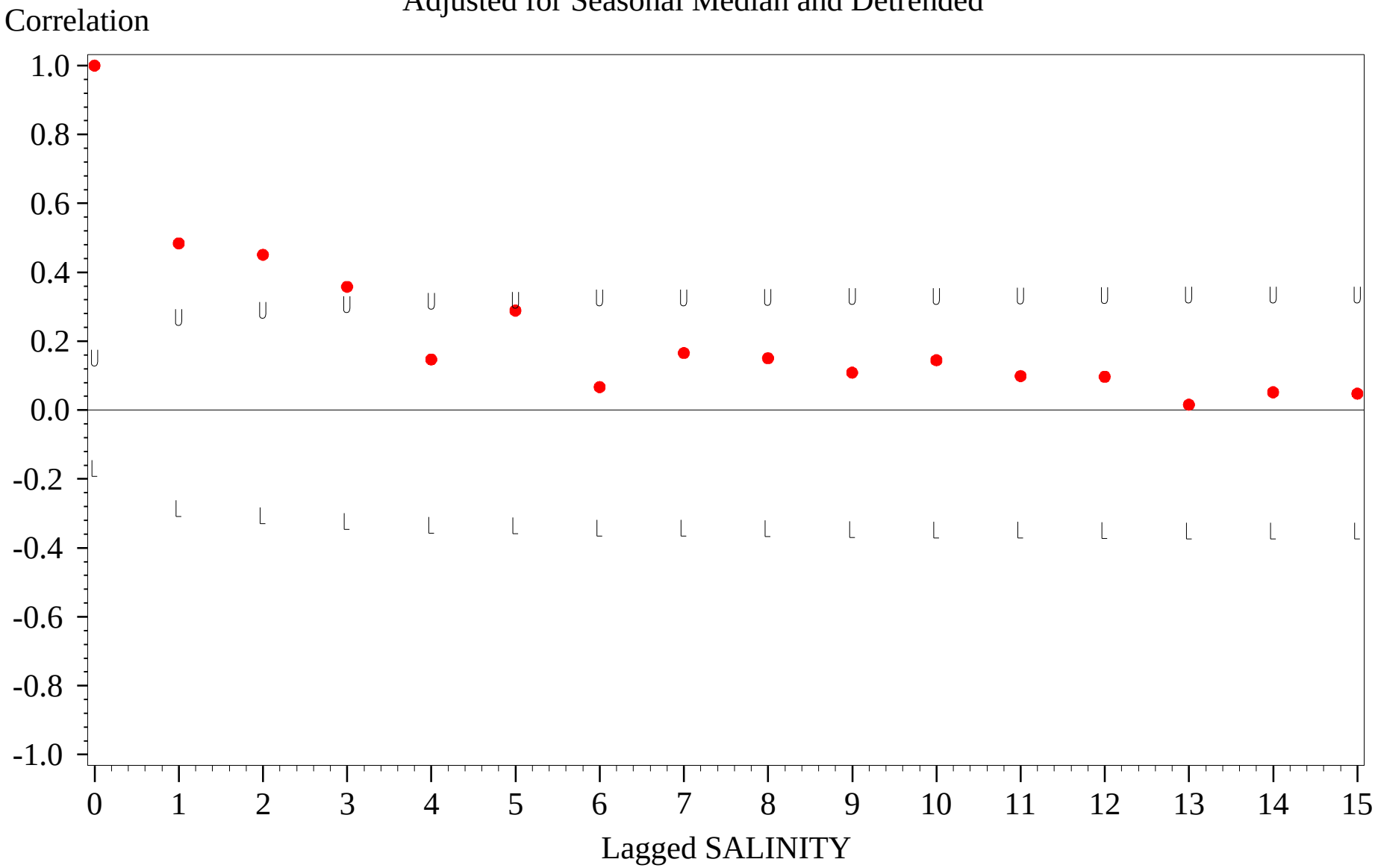
Autocorrelation Statistics for Surface Salinity at FDEP Station 56173SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.484	0.139	0.277	-0.277
2	0.451	0.149	0.298	-0.298
3	0.358	0.158	0.315	-0.315
4	0.147	0.163	0.325	-0.325
5	0.289	0.164	0.327	-0.327
6	0.067	0.167	0.334	-0.334
7	0.166	0.167	0.334	-0.334
8	0.151	0.168	0.336	-0.336
9	0.109	0.169	0.338	-0.338
10	0.145	0.169	0.339	-0.339
11	0.099	0.170	0.340	-0.340
12	0.097	0.171	0.341	-0.341
13	0.016	0.171	0.342	-0.342
14	0.052	0.171	0.342	-0.342
15	0.048	0.171	0.342	-0.342

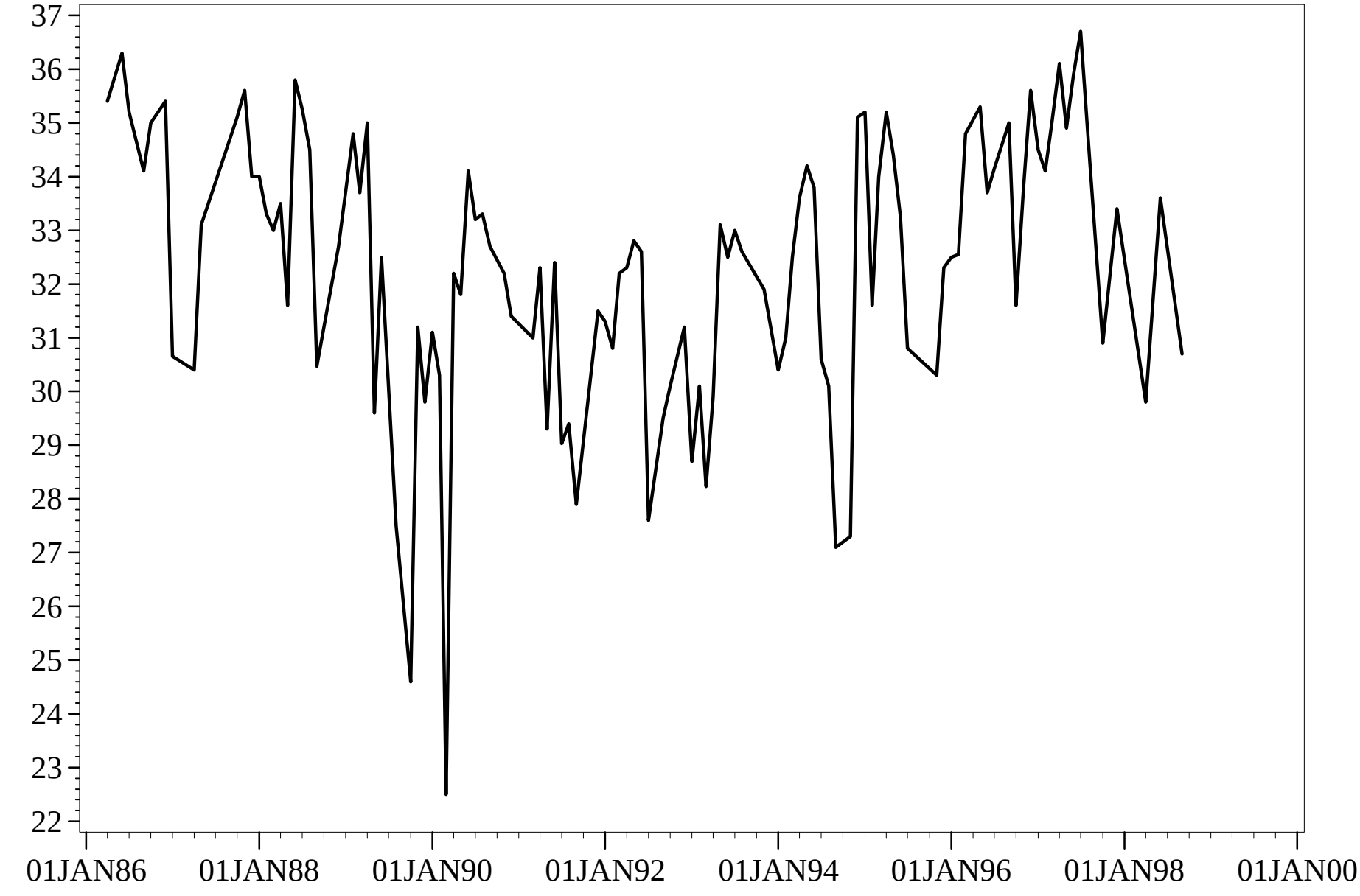
Lemon Bay Trends Appendix - Display 387
Correlogram for Surface Salinity at FDEP Station 56173SEAS

Adjusted for Seasonal Median and Detrended



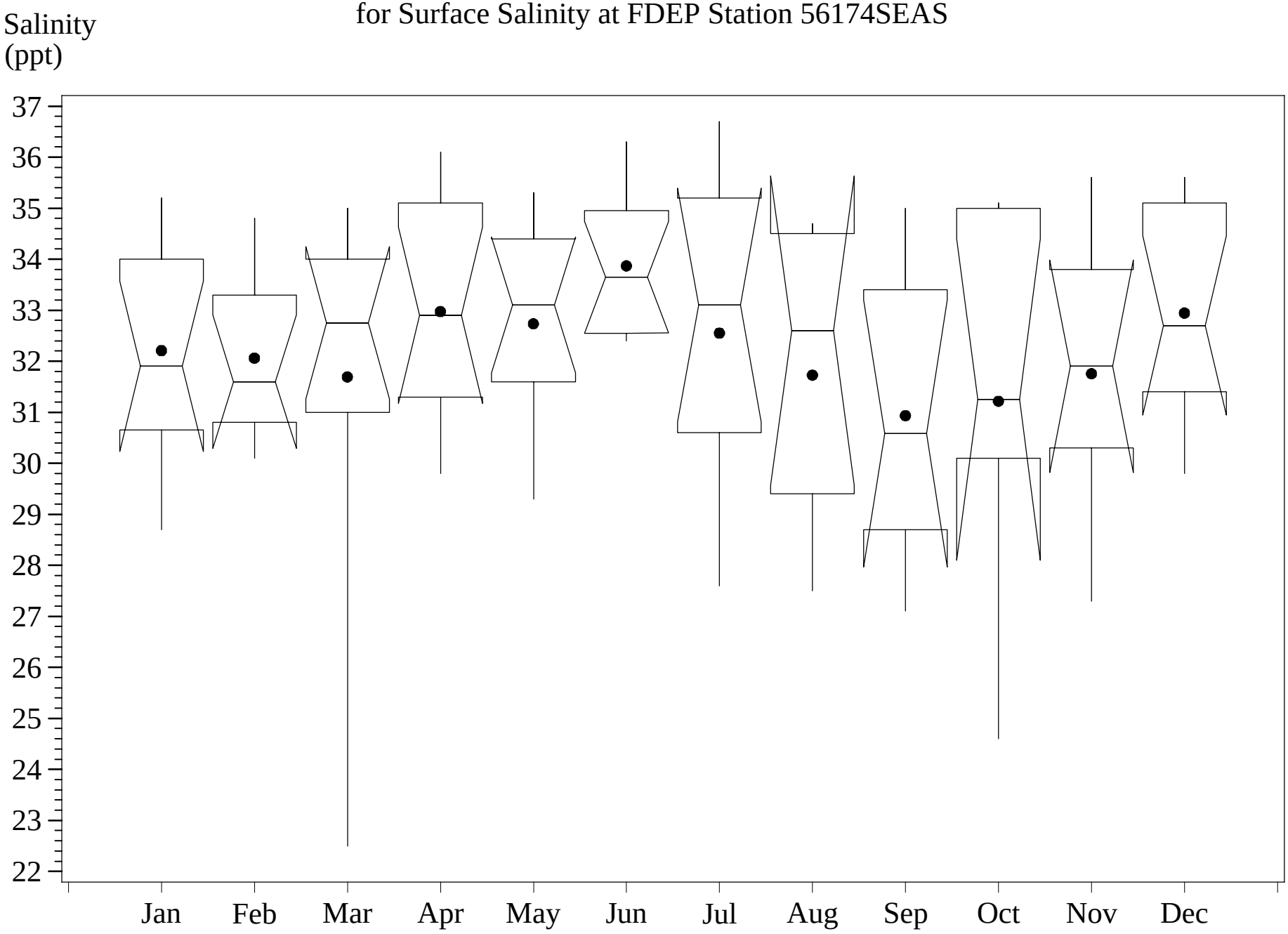
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 388
Monthly Data Time Series
for Surface Salinity at FDEP Station 56174SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 389

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56174SEAS



Lemon Bay Trends Appendix - Display 390

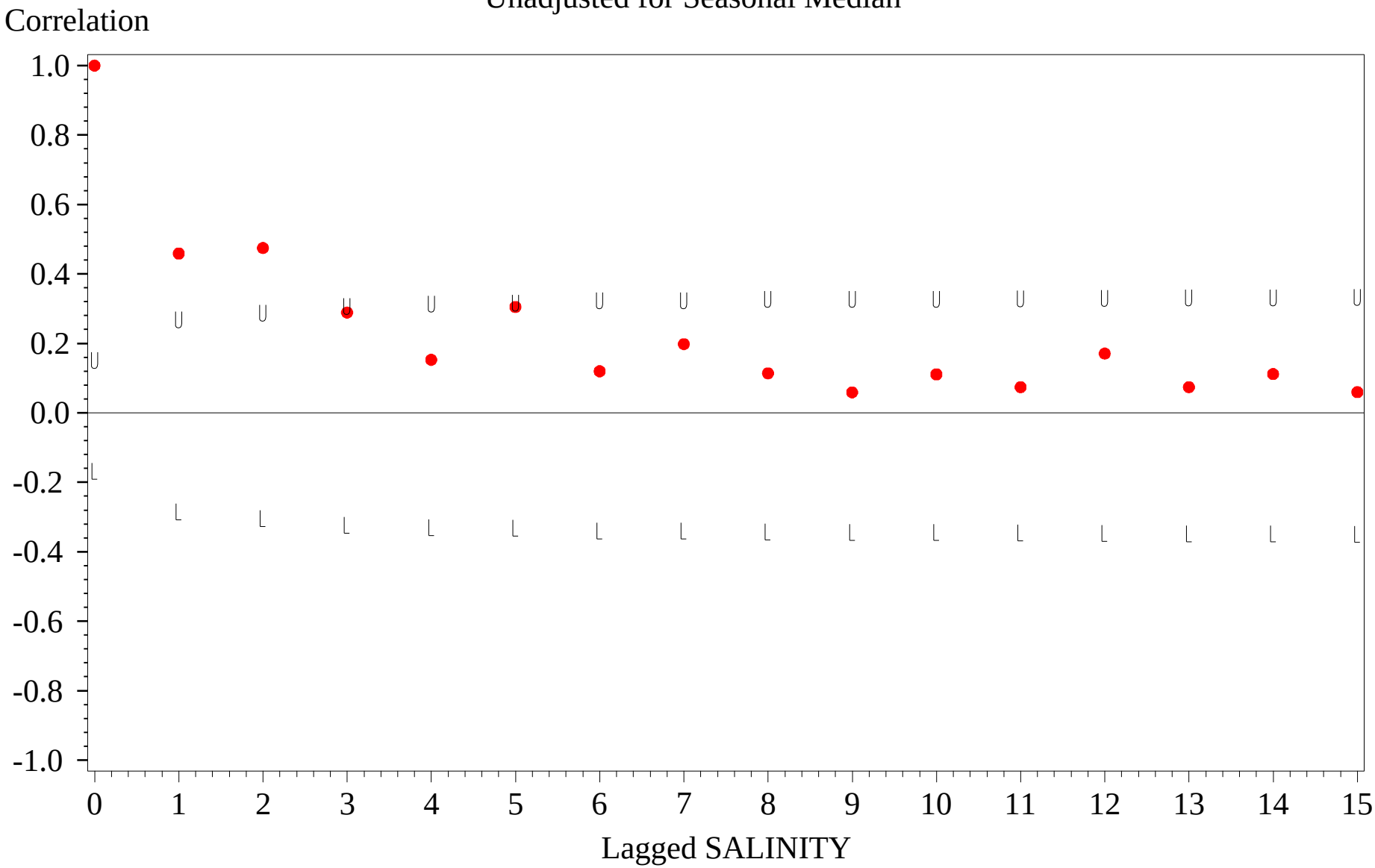
Autocorrelation Statistics for Surface Salinity at FDEP Station 56174SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.459	0.139	0.277	-0.277
2	0.475	0.148	0.296	-0.296
3	0.289	0.158	0.315	-0.315
4	0.153	0.161	0.322	-0.322
5	0.305	0.162	0.324	-0.324
6	0.120	0.166	0.331	-0.331
7	0.198	0.166	0.332	-0.332
8	0.114	0.168	0.335	-0.335
9	0.059	0.168	0.336	-0.336
10	0.111	0.168	0.336	-0.336
11	0.074	0.169	0.337	-0.337
12	0.171	0.169	0.338	-0.338
13	0.074	0.170	0.340	-0.340
14	0.112	0.170	0.340	-0.340
15	0.060	0.171	0.341	-0.341

Lemon Bay Trends Appendix - Display 391
Correlogram for Surface Salinity at FDEP Station 56174SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 392

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56174SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.118	0.121	0.442	0.137

Lemon Bay Trends Appendix - Display 393

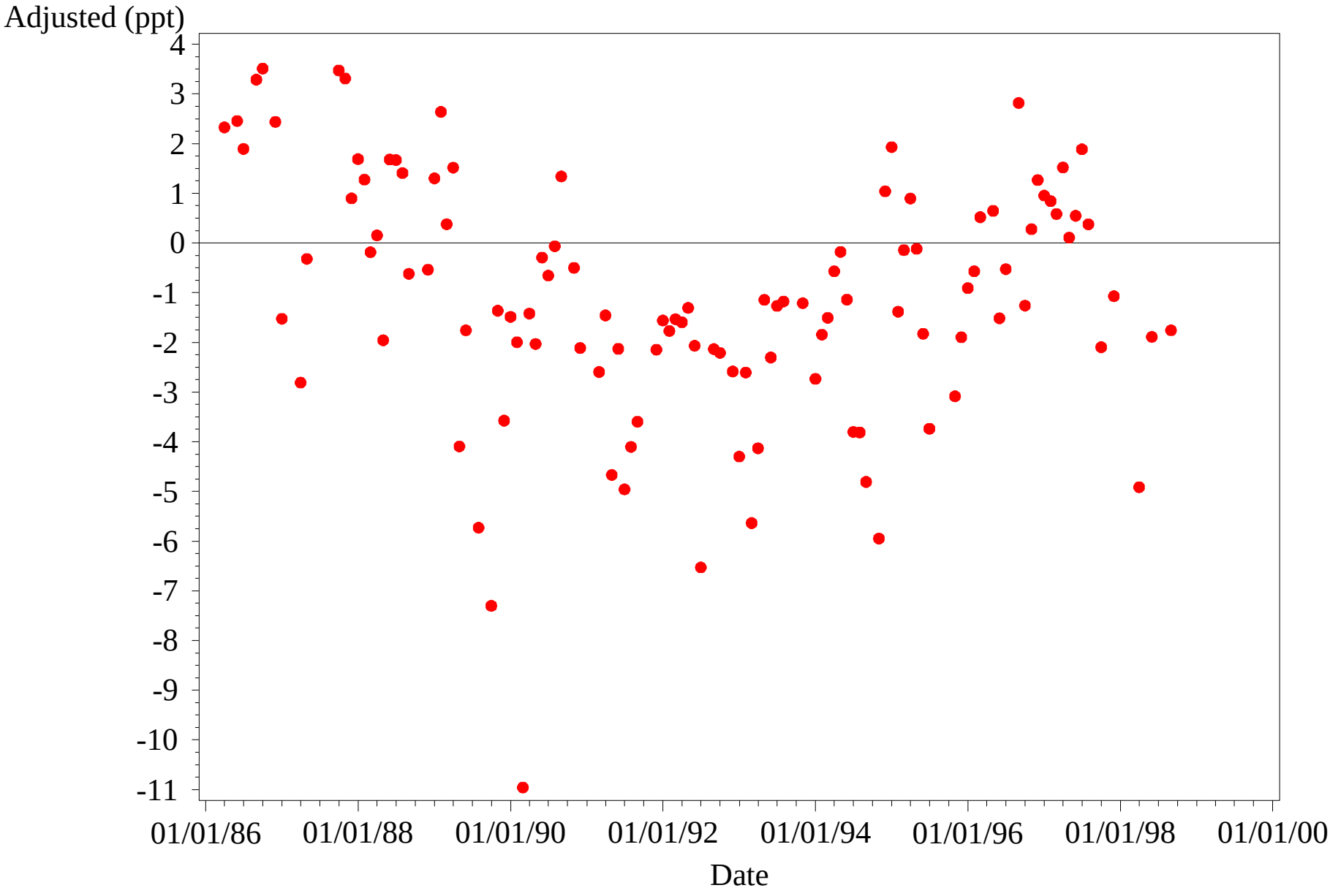
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56174SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.11847	0.12134	0.44237	0.13693

Lemon Bay Trends Appendix - Display 394

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56174SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 395

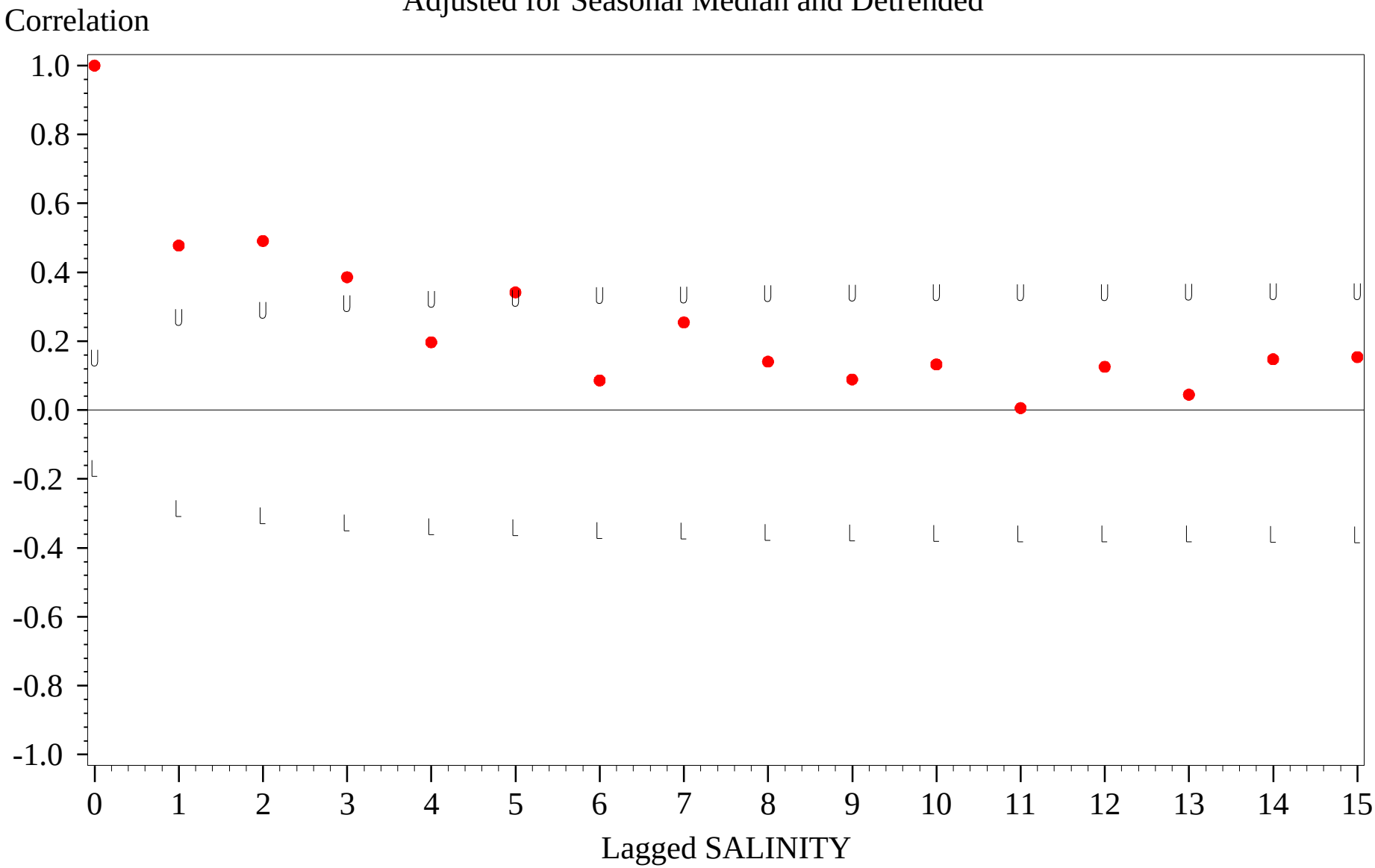
Autocorrelation Statistics for Surface Salinity at FDEP Station 56174SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.478	0.139	0.277	-0.277
2	0.491	0.149	0.298	-0.298
3	0.386	0.159	0.318	-0.318
4	0.197	0.165	0.330	-0.330
5	0.342	0.166	0.333	-0.333
6	0.086	0.171	0.341	-0.341
7	0.255	0.171	0.342	-0.342
8	0.141	0.173	0.347	-0.347
9	0.089	0.174	0.348	-0.348
10	0.133	0.174	0.349	-0.349
11	0.006	0.175	0.350	-0.350
12	0.126	0.175	0.350	-0.350
13	0.045	0.176	0.351	-0.351
14	0.148	0.176	0.352	-0.352
15	0.154	0.177	0.353	-0.353

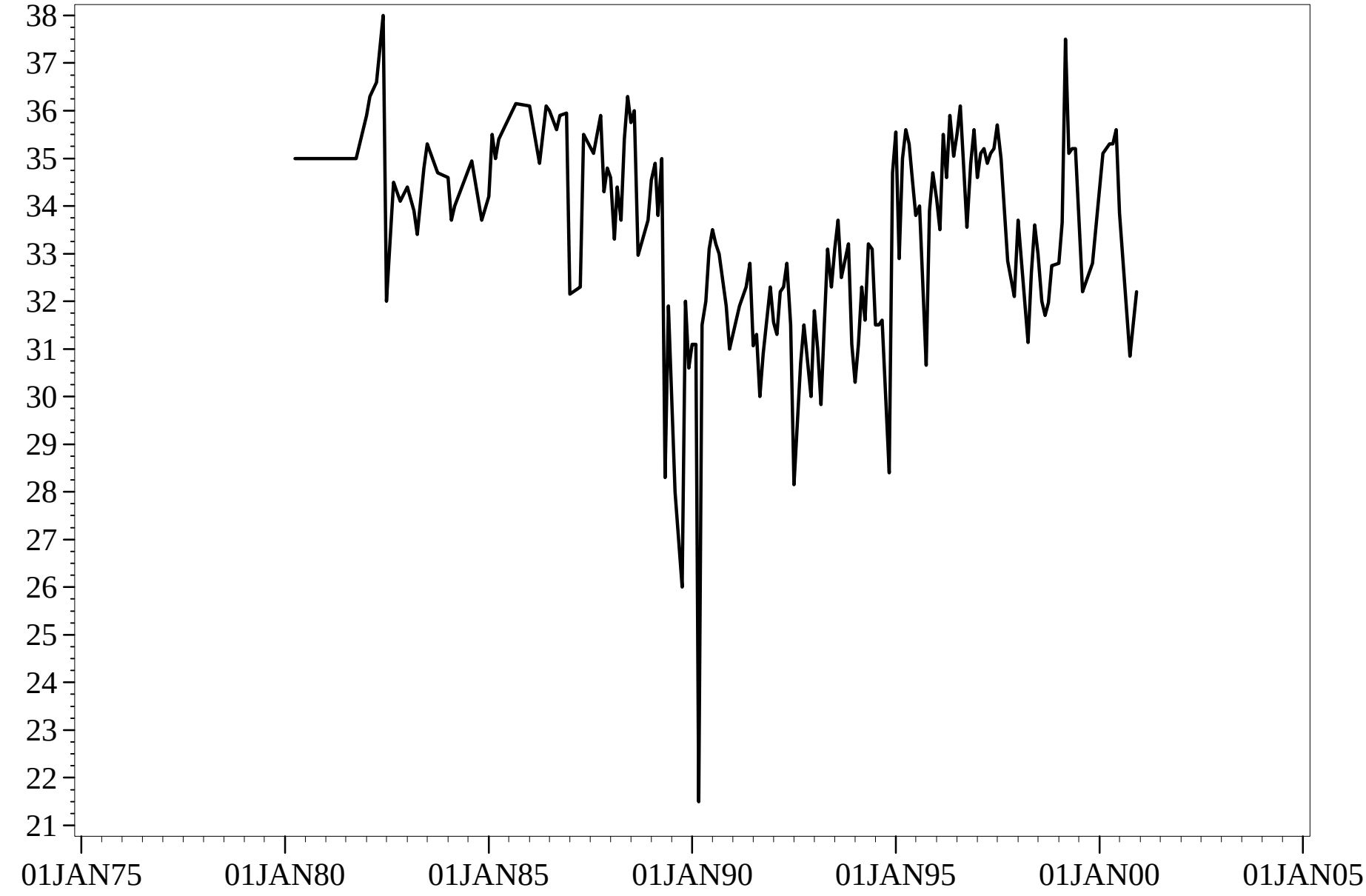
Lemon Bay Trends Appendix - Display 396
Correlogram for Surface Salinity at FDEP Station 56174SEAS

Adjusted for Seasonal Median and Detrended



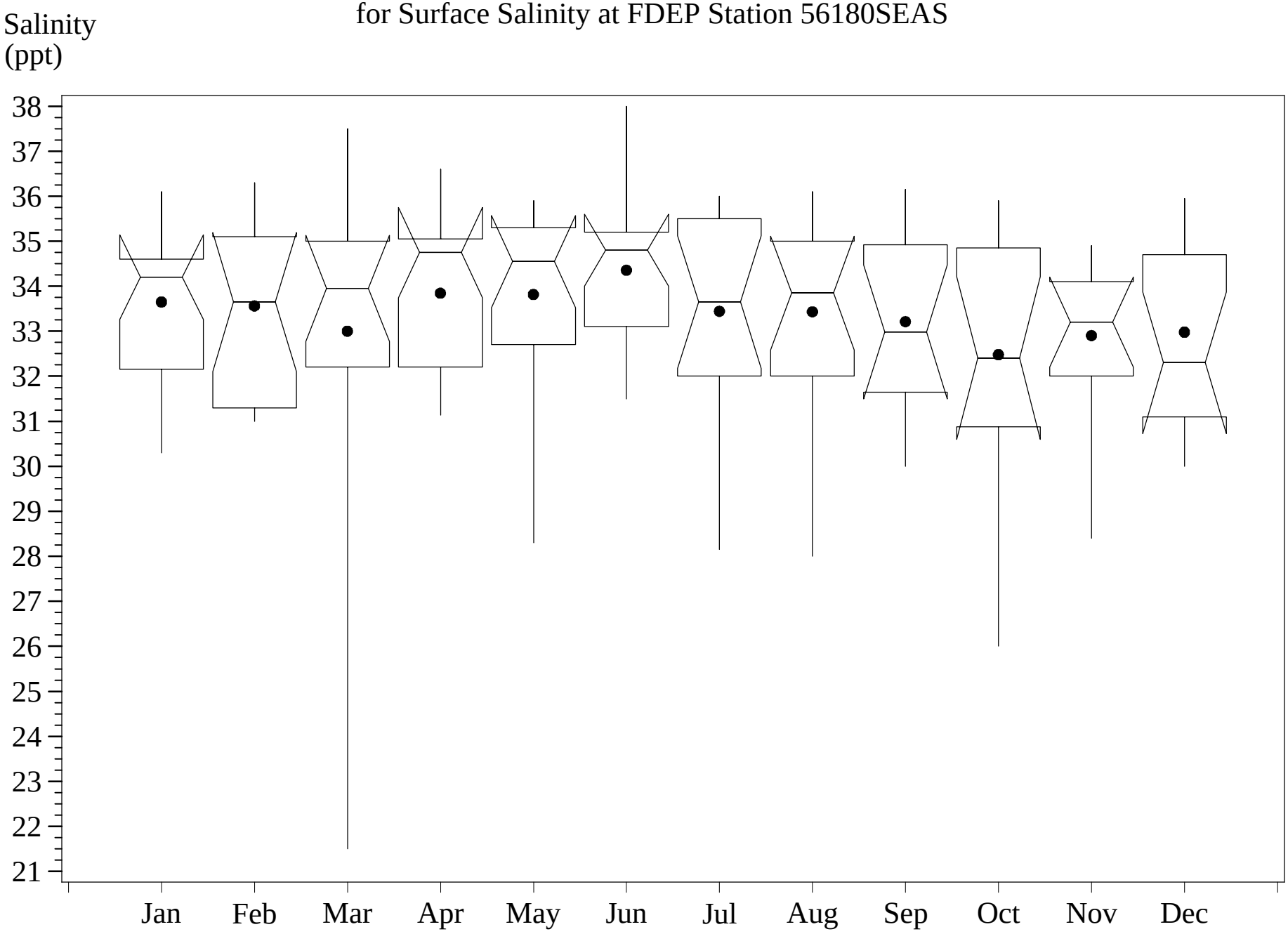
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 397
Monthly Data Time Series
for Surface Salinity at FDEP Station 56180SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 398

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56180SEAS



Lemon Bay Trends Appendix - Display 399

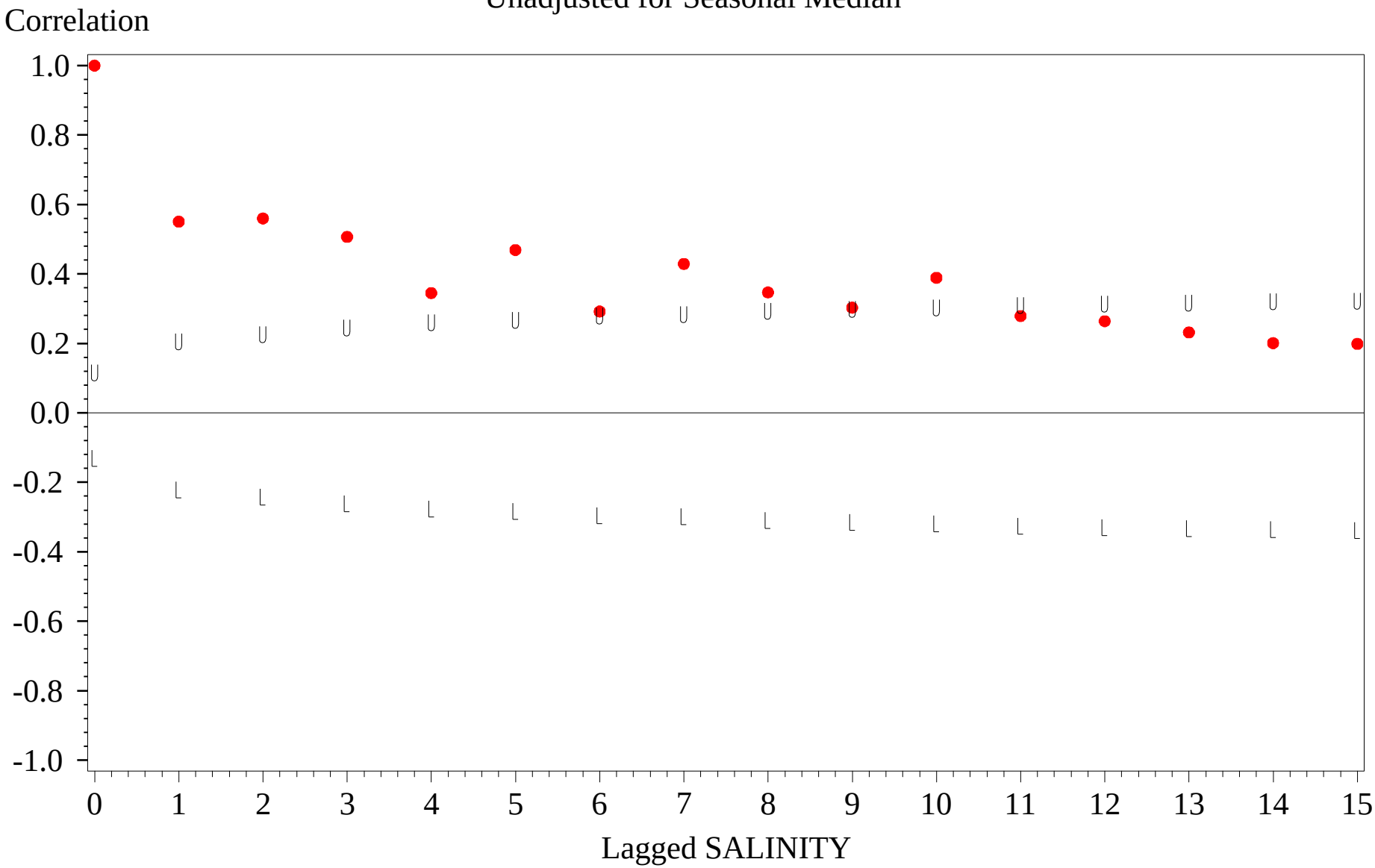
Autocorrelation Statistics for Surface Salinity at FDEP Station 56180SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.551	0.107	0.213	-0.213
2	0.560	0.117	0.234	-0.234
3	0.507	0.127	0.253	-0.253
4	0.345	0.134	0.268	-0.268
5	0.469	0.137	0.275	-0.275
6	0.292	0.143	0.287	-0.287
7	0.429	0.146	0.291	-0.291
8	0.347	0.150	0.301	-0.301
9	0.303	0.153	0.307	-0.307
10	0.389	0.156	0.311	-0.311
11	0.279	0.159	0.318	-0.318
12	0.264	0.161	0.322	-0.322
13	0.232	0.163	0.325	-0.325
14	0.201	0.164	0.328	-0.328
15	0.199	0.165	0.330	-0.330

Lemon Bay Trends Appendix - Display 400
Correlogram for Surface Salinity at FDEP Station 56180SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 401

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56180SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.078	0.178	0.556	-0.031

Lemon Bay Trends Appendix - Display 402

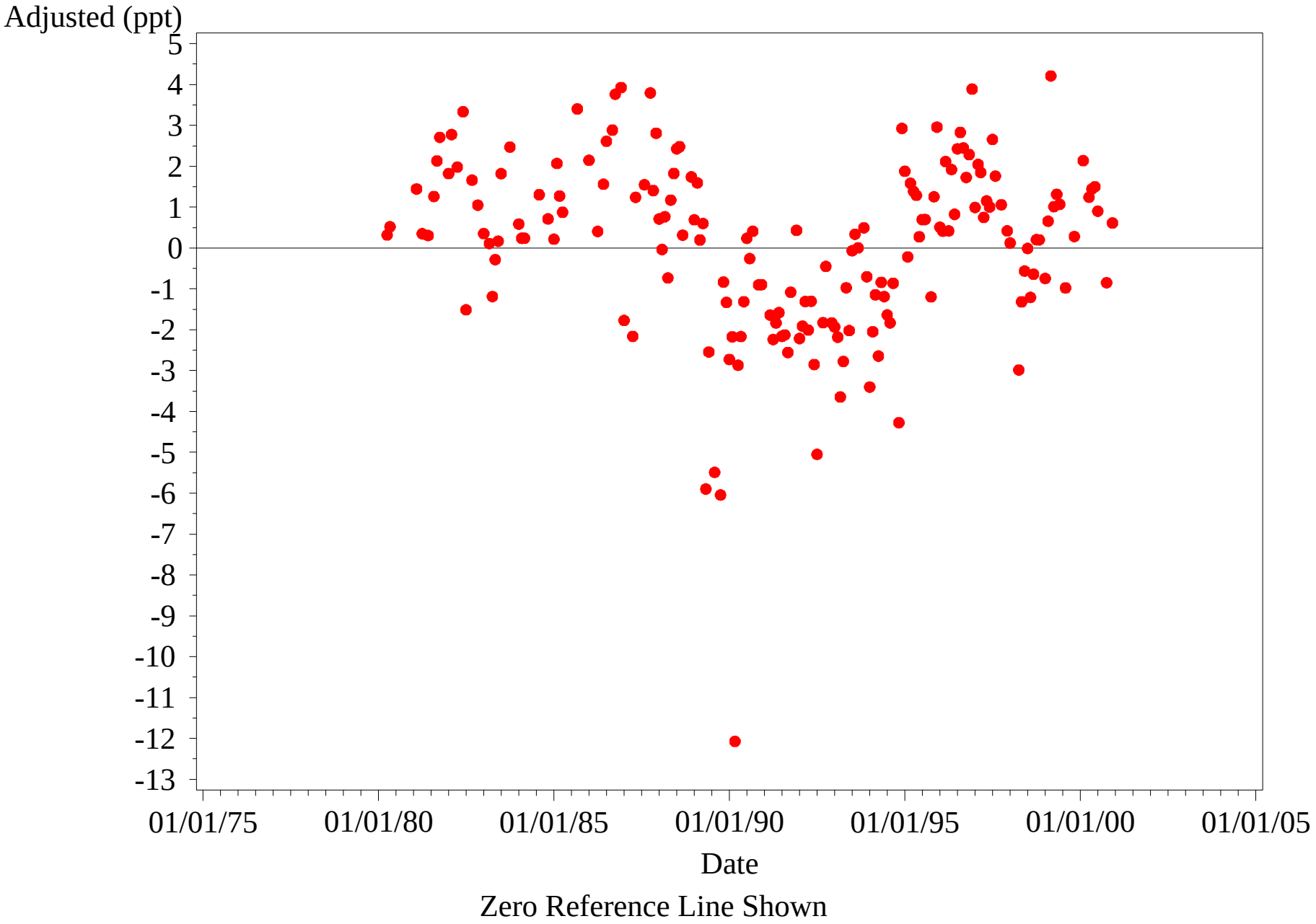
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56180SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.077551	0.17803	0.55610	-0.03125

Lemon Bay Trends Appendix - Display 403

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56180SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 404

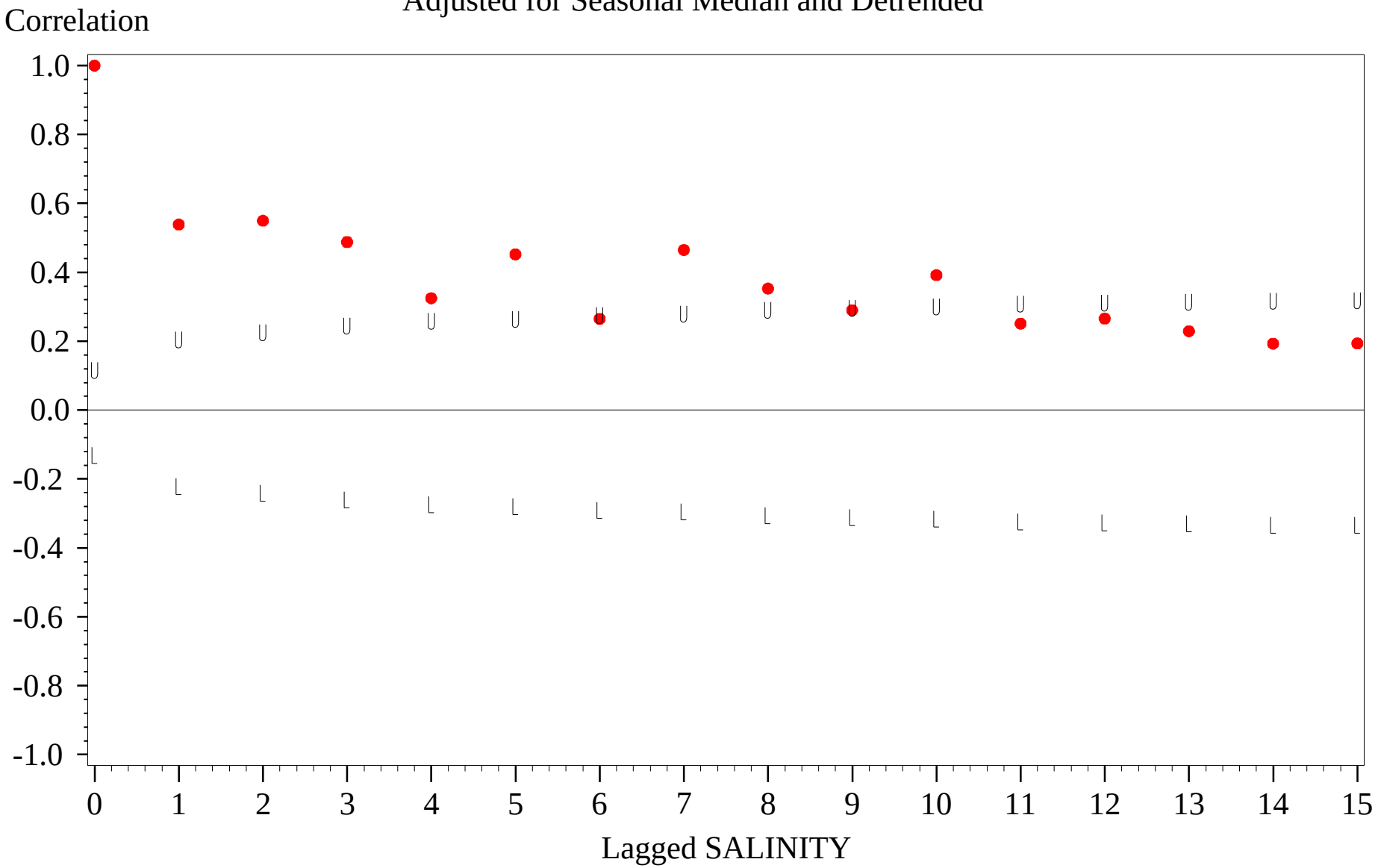
Autocorrelation Statistics for Surface Salinity at FDEP Station 56180SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.539	0.107	0.213	-0.213
2	0.550	0.116	0.233	-0.233
3	0.488	0.126	0.252	-0.252
4	0.325	0.133	0.266	-0.266
5	0.452	0.136	0.272	-0.272
6	0.265	0.141	0.283	-0.283
7	0.465	0.143	0.287	-0.287
8	0.353	0.149	0.298	-0.298
9	0.290	0.152	0.304	-0.304
10	0.392	0.154	0.308	-0.308
11	0.251	0.158	0.316	-0.316
12	0.266	0.159	0.319	-0.319
13	0.229	0.161	0.322	-0.322
14	0.193	0.162	0.325	-0.325
15	0.194	0.163	0.326	-0.326

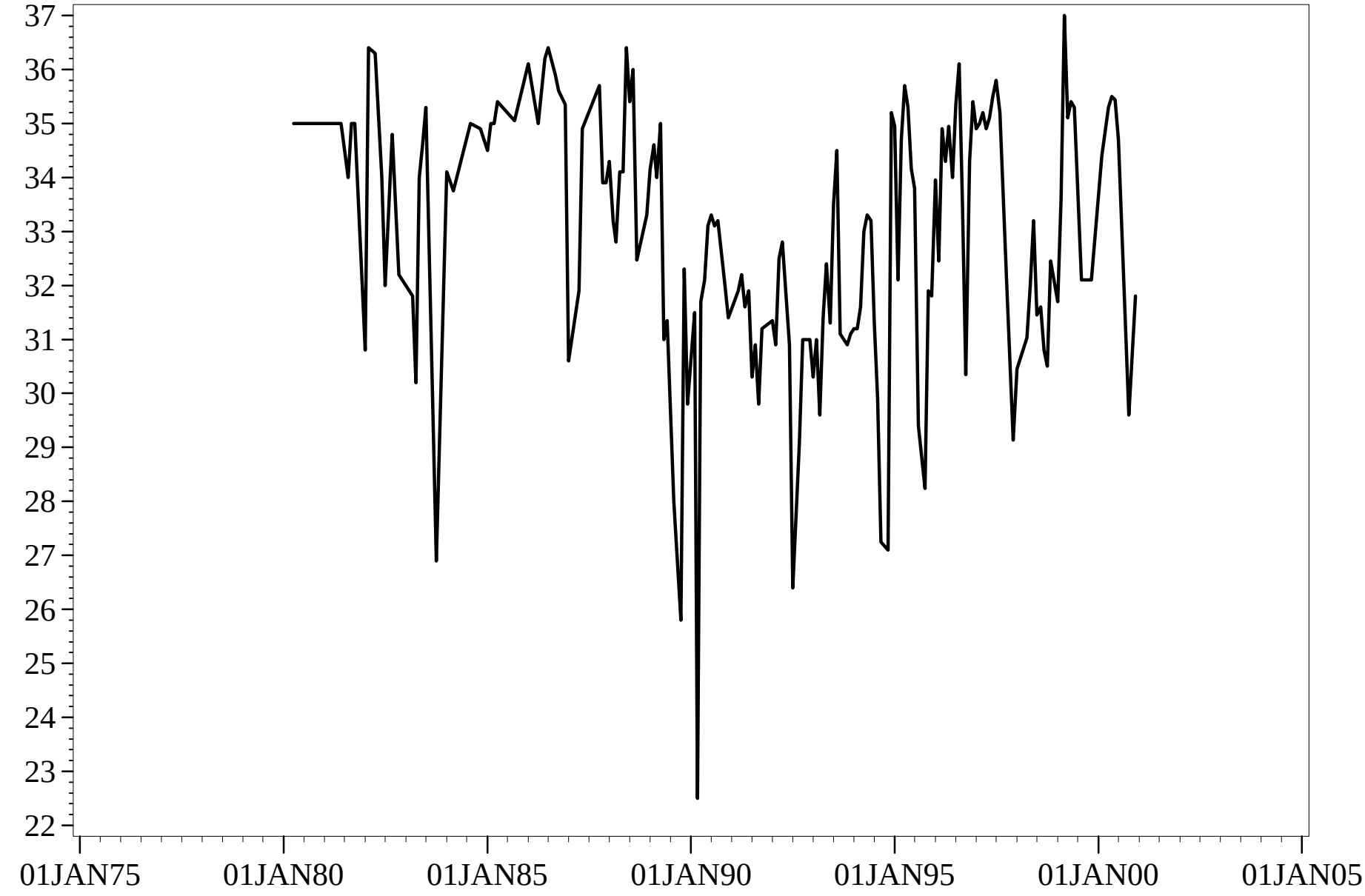
Lemon Bay Trends Appendix - Display 405
Correlogram for Surface Salinity at FDEP Station 56180SEAS

Adjusted for Seasonal Median and Detrended



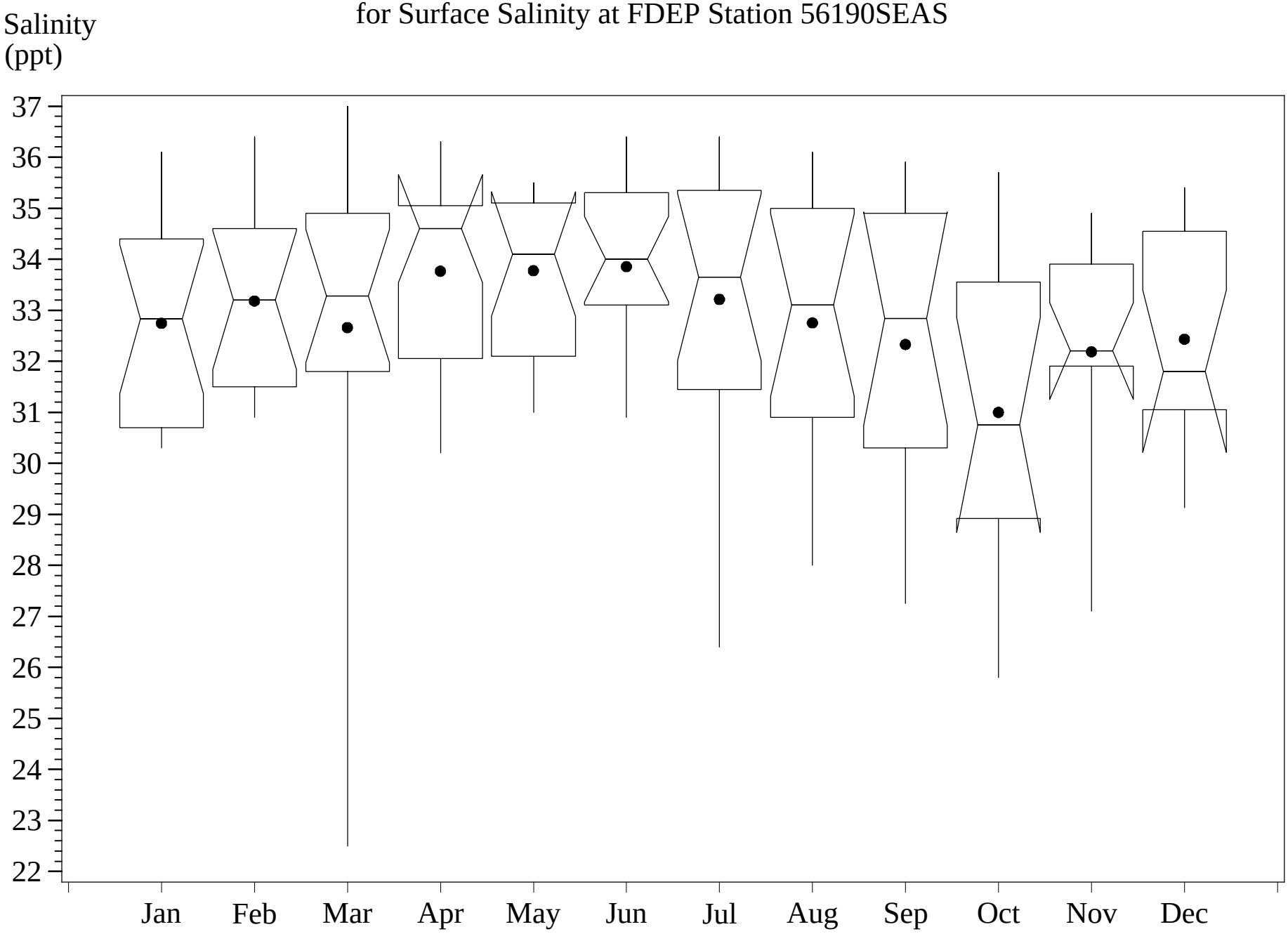
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 406
Monthly Data Time Series
for Surface Salinity at FDEP Station 56190SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 407

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56190SEAS



Lemon Bay Trends Appendix - Display 408

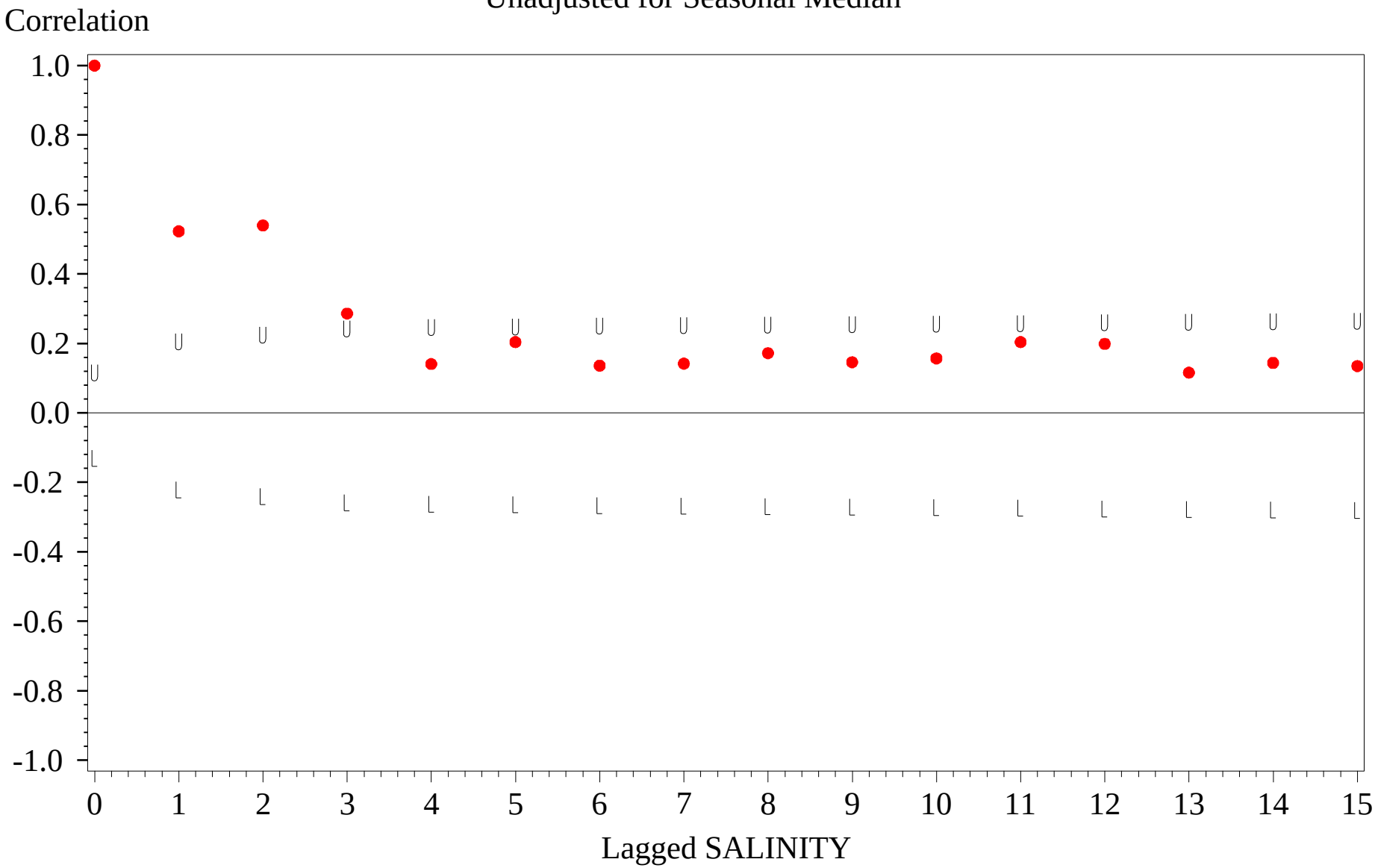
Autocorrelation Statistics for Surface Salinity at FDEP Station 56190SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.523	0.107	0.213	-0.213
2	0.540	0.116	0.232	-0.232
3	0.286	0.125	0.250	-0.250
4	0.141	0.128	0.255	-0.255
5	0.204	0.128	0.256	-0.256
6	0.136	0.129	0.259	-0.259
7	0.142	0.130	0.260	-0.260
8	0.172	0.130	0.261	-0.261
9	0.146	0.131	0.263	-0.263
10	0.157	0.132	0.264	-0.264
11	0.204	0.133	0.265	-0.265
12	0.199	0.134	0.268	-0.268
13	0.116	0.135	0.270	-0.270
14	0.144	0.135	0.271	-0.271
15	0.135	0.136	0.272	-0.272

Lemon Bay Trends Appendix - Display 409
Correlogram for Surface Salinity at FDEP Station 56190SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 410

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56190SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.022	0.719	0.859	-.009

Lemon Bay Trends Appendix - Display 411

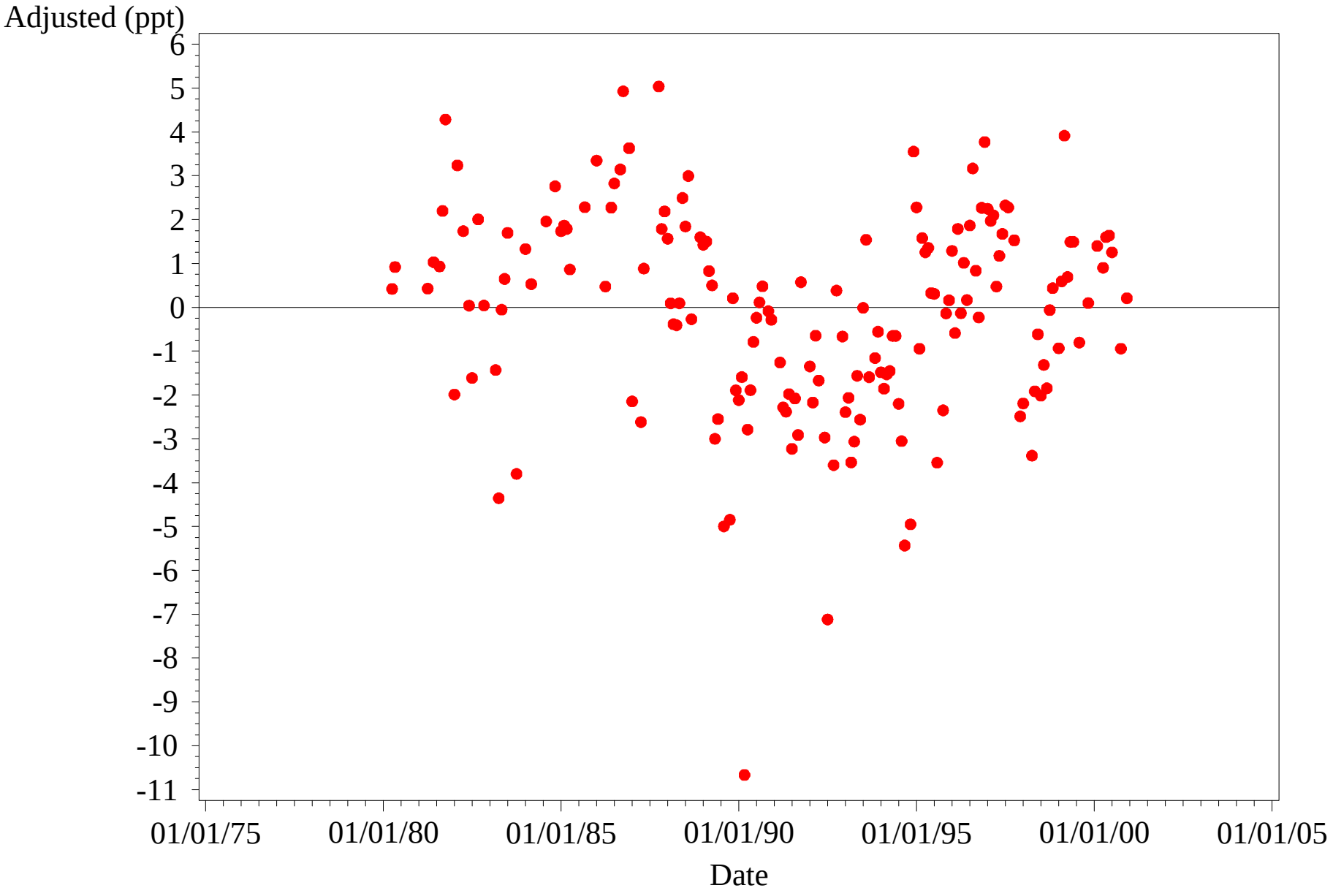
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56190SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.021891	0.71856	0.85893	-.00909091

Lemon Bay Trends Appendix - Display 412

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56190SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 413

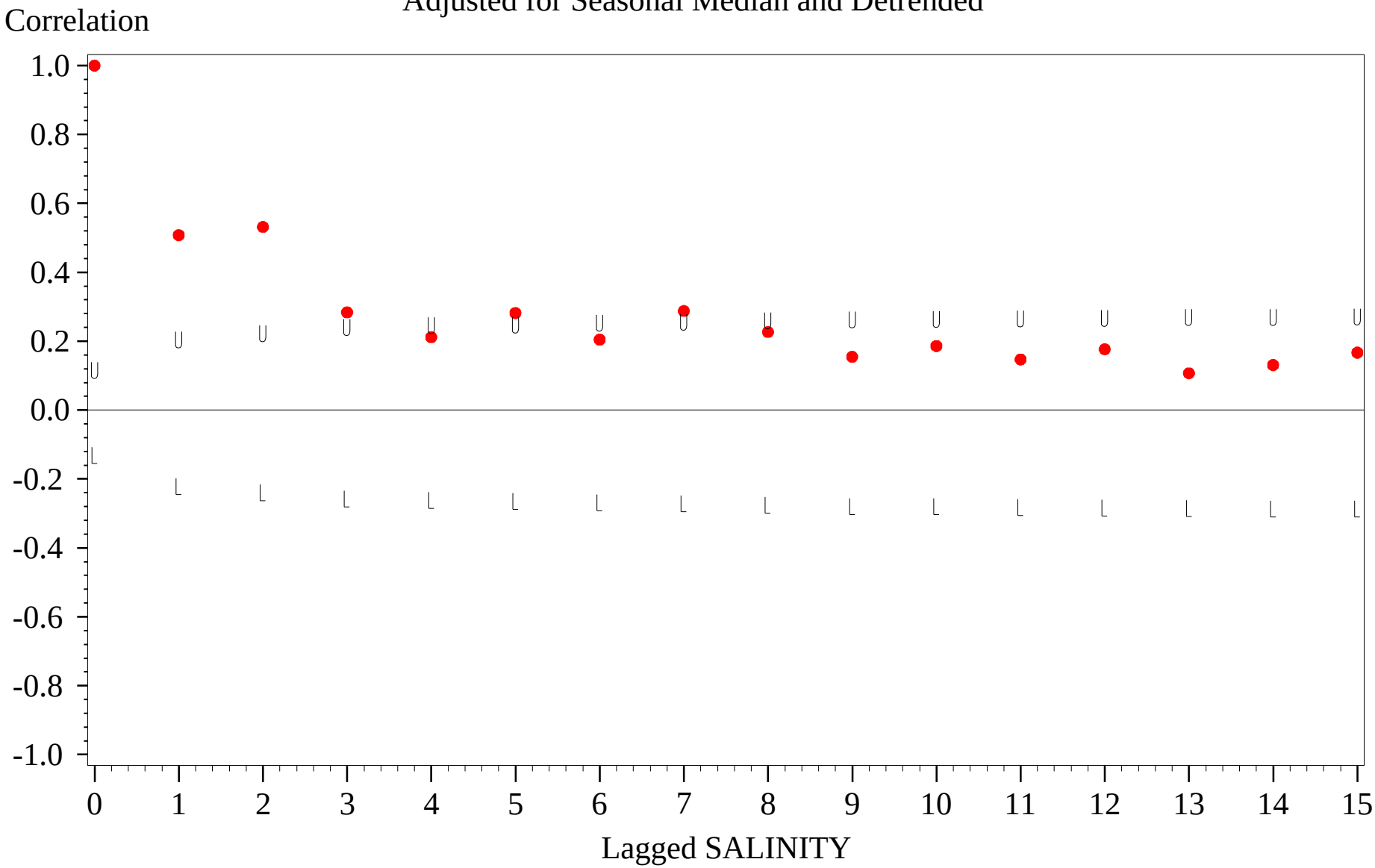
Autocorrelation Statistics for Surface Salinity at FDEP Station 56190SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.508	0.107	0.213	-0.213
2	0.532	0.115	0.231	-0.231
3	0.284	0.124	0.249	-0.249
4	0.212	0.127	0.254	-0.254
5	0.282	0.128	0.256	-0.256
6	0.205	0.130	0.261	-0.261
7	0.288	0.132	0.263	-0.263
8	0.227	0.134	0.268	-0.268
9	0.155	0.135	0.271	-0.271
10	0.186	0.136	0.272	-0.272
11	0.147	0.137	0.274	-0.274
12	0.177	0.138	0.275	-0.275
13	0.107	0.139	0.277	-0.277
14	0.131	0.139	0.278	-0.278
15	0.167	0.139	0.279	-0.279

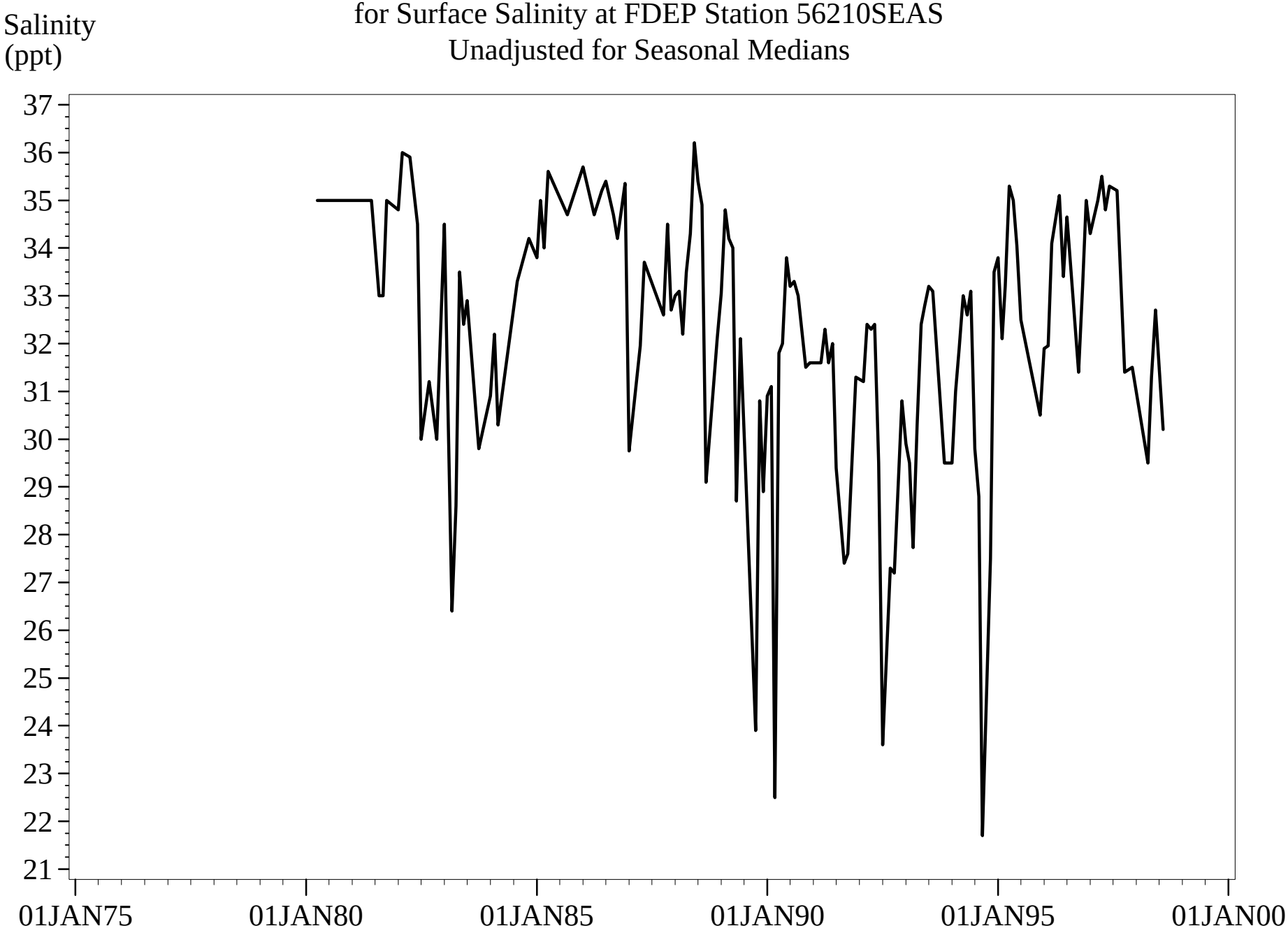
Lemon Bay Trends Appendix - Display 414
Correlogram for Surface Salinity at FDEP Station 56190SEAS

Adjusted for Seasonal Median and Detrended



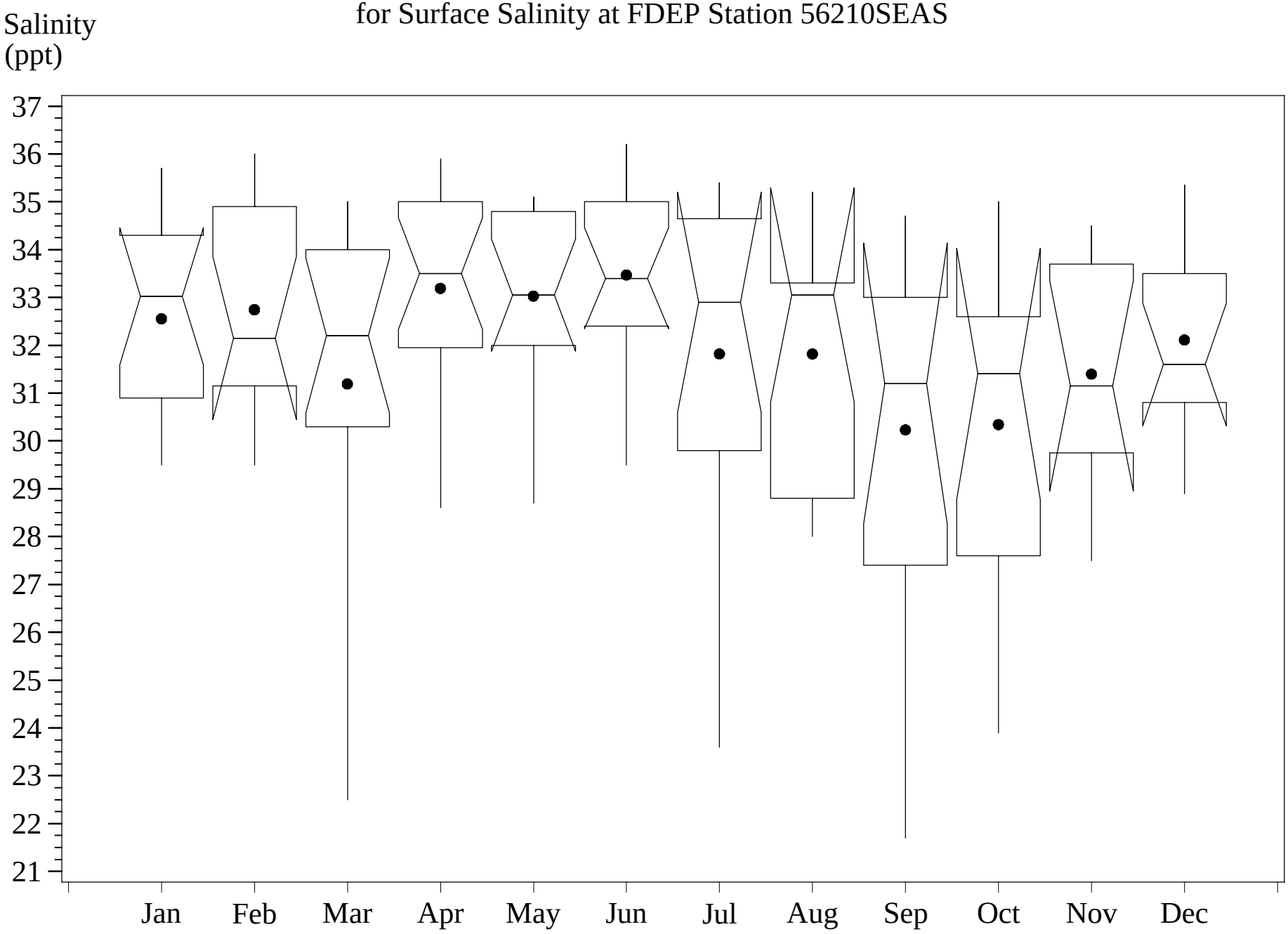
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 415
Monthly Data Time Series
for Surface Salinity at FDEP Station 56210SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 416

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56210SEAS



Lemon Bay Trends Appendix - Display 417

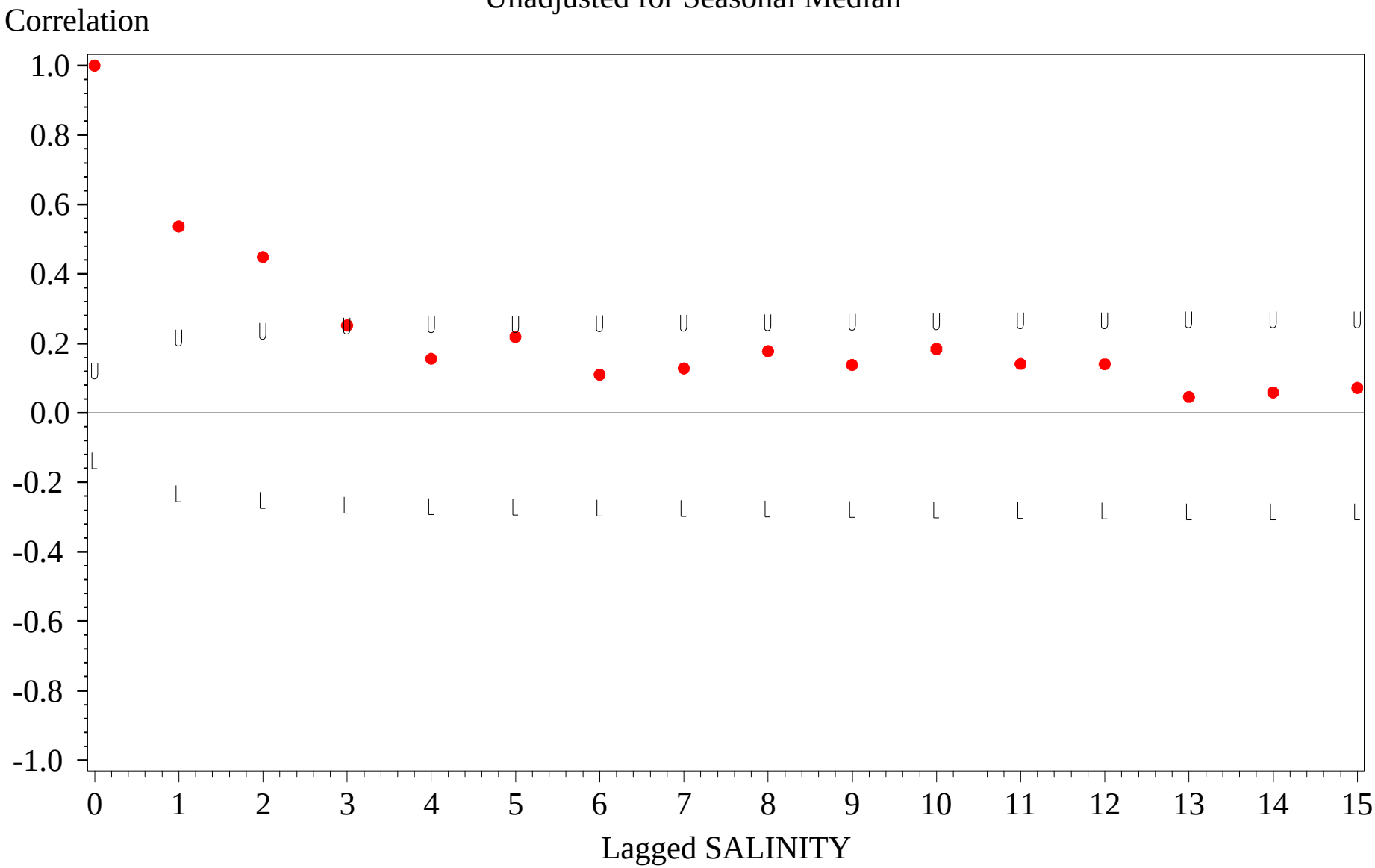
Autocorrelation Statistics for Surface Salinity at FDEP Station 56210SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.537	0.112	0.224	-0.224
2	0.449	0.122	0.244	-0.244
3	0.252	0.129	0.258	-0.258
4	0.156	0.131	0.262	-0.262
5	0.219	0.132	0.263	-0.263
6	0.110	0.133	0.266	-0.266
7	0.128	0.133	0.267	-0.267
8	0.178	0.134	0.268	-0.268
9	0.138	0.135	0.270	-0.270
10	0.184	0.136	0.271	-0.271
11	0.141	0.137	0.273	-0.273
12	0.140	0.137	0.274	-0.274
13	0.046	0.138	0.276	-0.276
14	0.059	0.138	0.276	-0.276
15	0.072	0.138	0.276	-0.276

Lemon Bay Trends Appendix - Display 418
Correlogram for Surface Salinity at FDEP Station 56210SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 419

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56210SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.142	0.029	0.252	-0.1

Lemon Bay Trends Appendix - Display 420

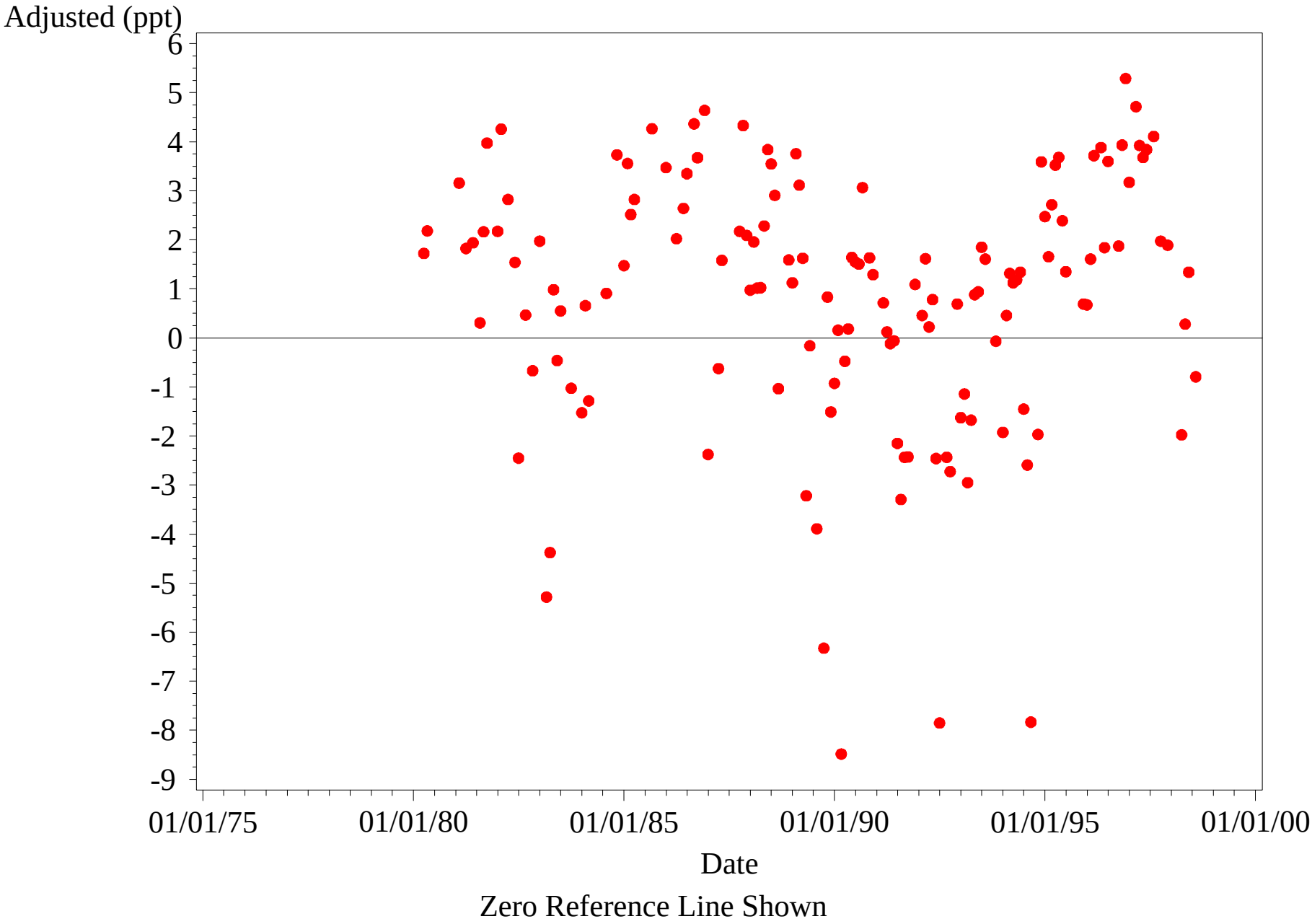
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56210SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.14234	0.029436	0.25235	-0.1

Lemon Bay Trends Appendix - Display 421

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56210SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 422

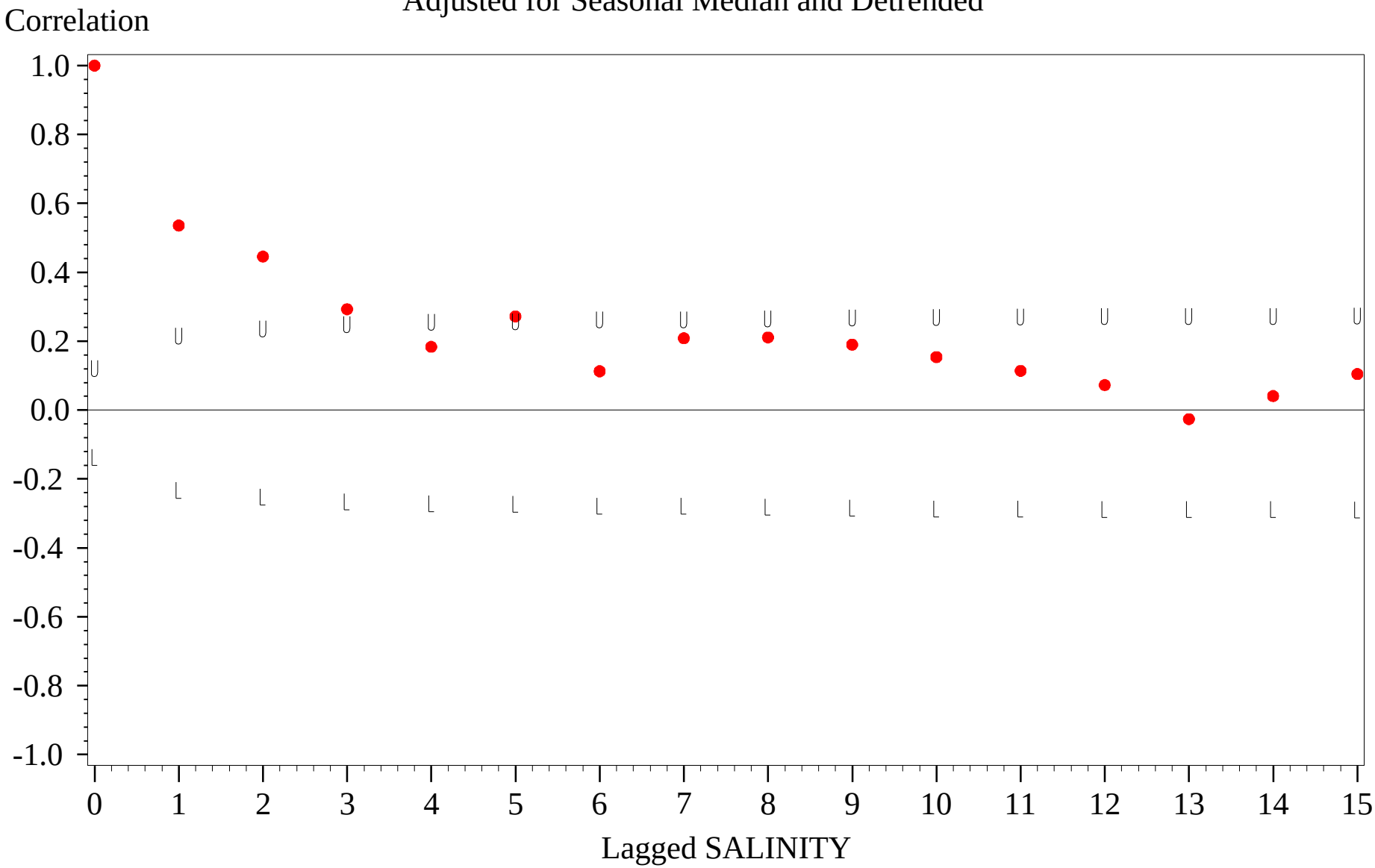
Autocorrelation Statistics for Surface Salinity at FDEP Station 56210SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.536	0.112	0.224	-0.224
2	0.446	0.122	0.244	-0.244
3	0.293	0.129	0.257	-0.257
4	0.184	0.131	0.263	-0.263
5	0.272	0.132	0.265	-0.265
6	0.113	0.135	0.270	-0.270
7	0.209	0.135	0.270	-0.270
8	0.211	0.137	0.273	-0.273
9	0.190	0.138	0.276	-0.276
10	0.154	0.139	0.278	-0.278
11	0.114	0.140	0.279	-0.279
12	0.073	0.140	0.280	-0.280
13	-0.026	0.140	0.280	-0.280
14	0.041	0.140	0.280	-0.280
15	0.105	0.140	0.281	-0.281

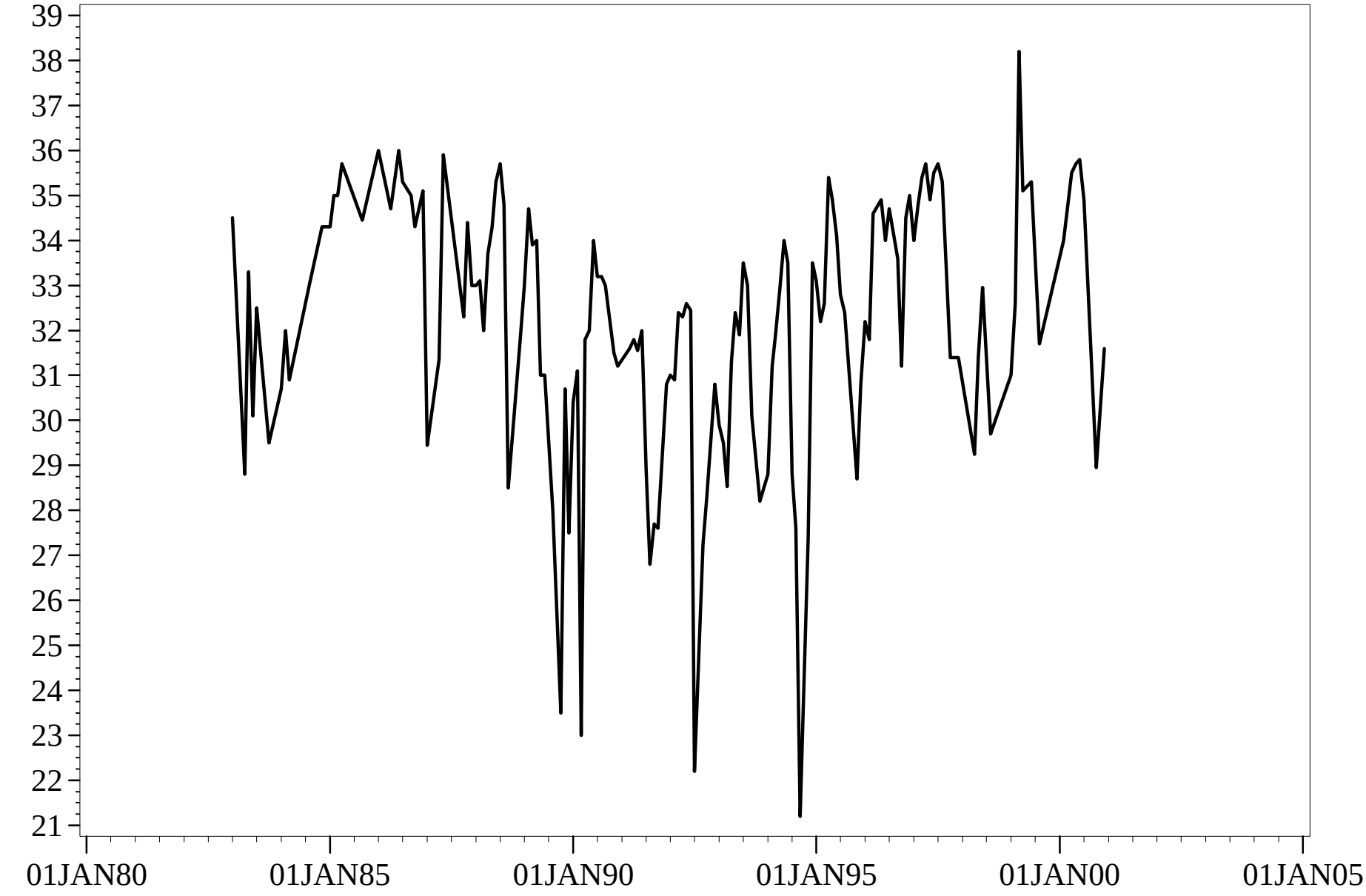
Lemon Bay Trends Appendix - Display 423
Correlogram for Surface Salinity at FDEP Station 56210SEAS

Adjusted for Seasonal Median and Detrended



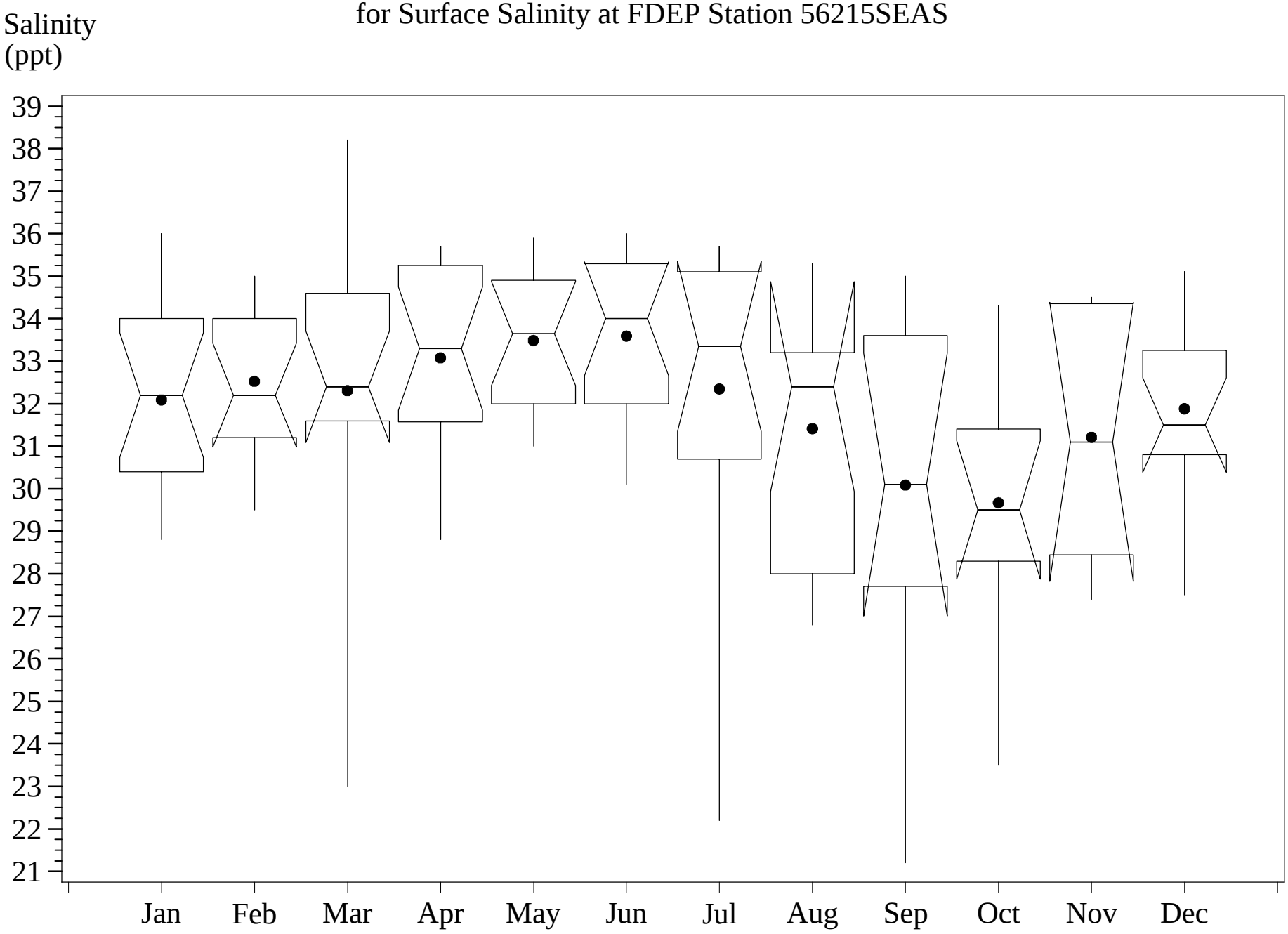
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 424
Monthly Data Time Series
for Surface Salinity at FDEP Station 56215SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 425

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56215SEAS



Lemon Bay Trends Appendix - Display 426

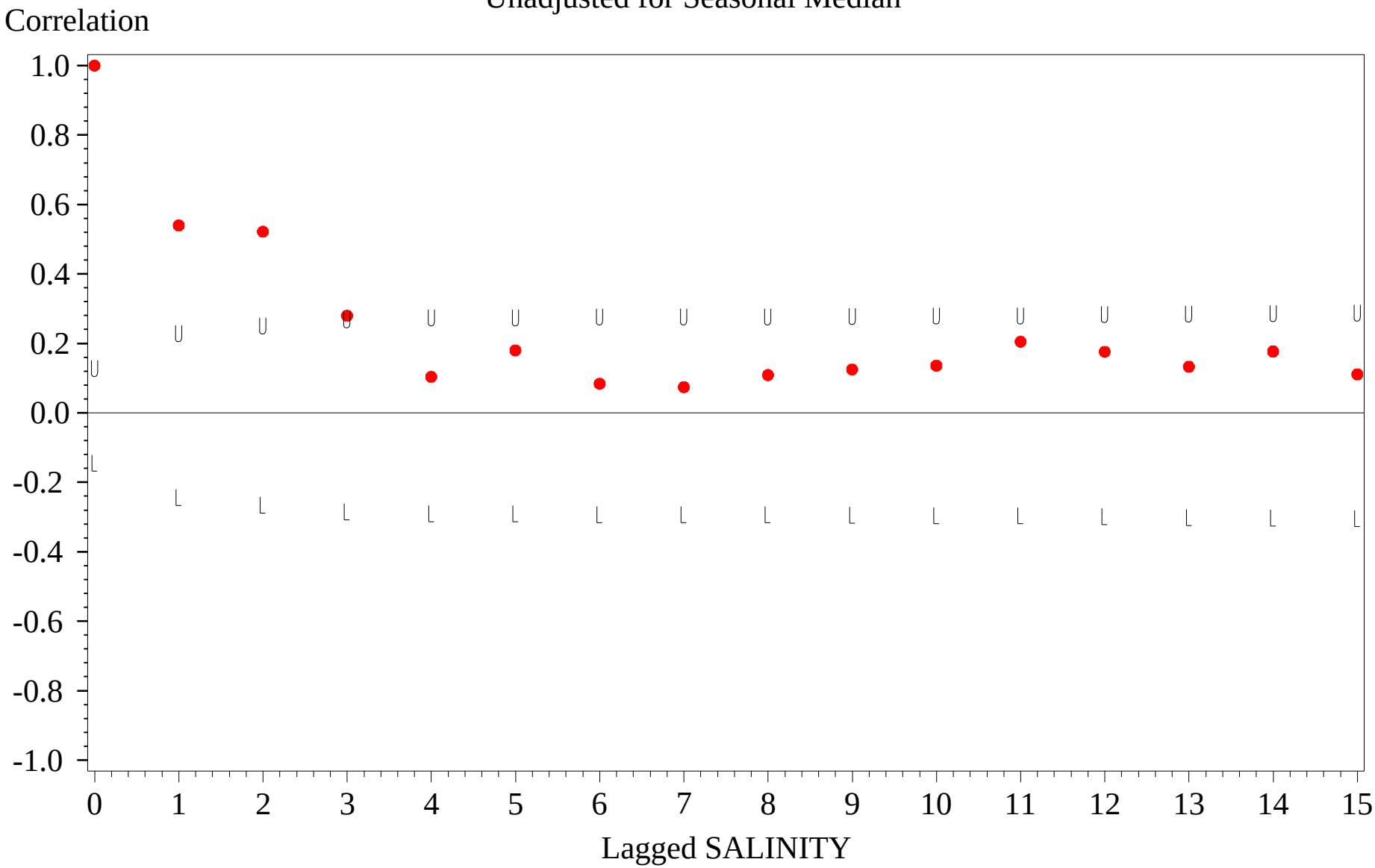
Autocorrelation Statistics for Surface Salinity at FDEP Station 56215SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.068	0.136	-0.136
1	0.540	0.118	0.236	-0.236
2	0.522	0.129	0.258	-0.258
3	0.280	0.138	0.277	-0.277
4	0.104	0.141	0.282	-0.282
5	0.180	0.141	0.282	-0.282
6	0.084	0.142	0.285	-0.285
7	0.074	0.143	0.285	-0.285
8	0.109	0.143	0.285	-0.285
9	0.125	0.143	0.286	-0.286
10	0.136	0.144	0.287	-0.287
11	0.205	0.144	0.288	-0.288
12	0.176	0.146	0.291	-0.291
13	0.133	0.146	0.293	-0.293
14	0.177	0.147	0.294	-0.294
15	0.111	0.148	0.296	-0.296

Lemon Bay Trends Appendix - Display 427
Correlogram for Surface Salinity at FDEP Station 56215SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 428

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56215SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.071	0.274	0.596	0.047

Lemon Bay Trends Appendix - Display 429

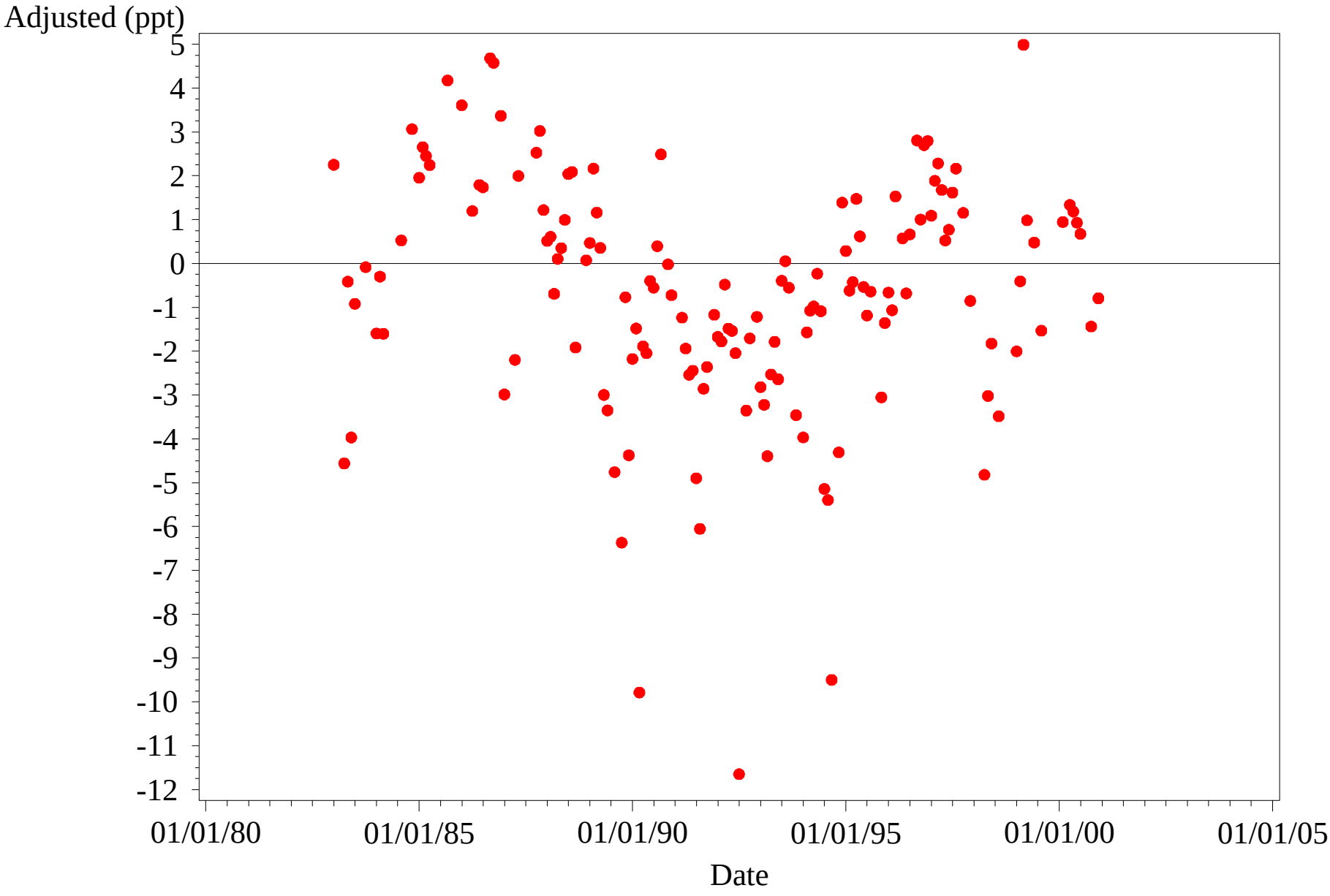
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56215SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.070602	0.27383	0.59640	0.047222

Lemon Bay Trends Appendix - Display 430

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56215SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 431

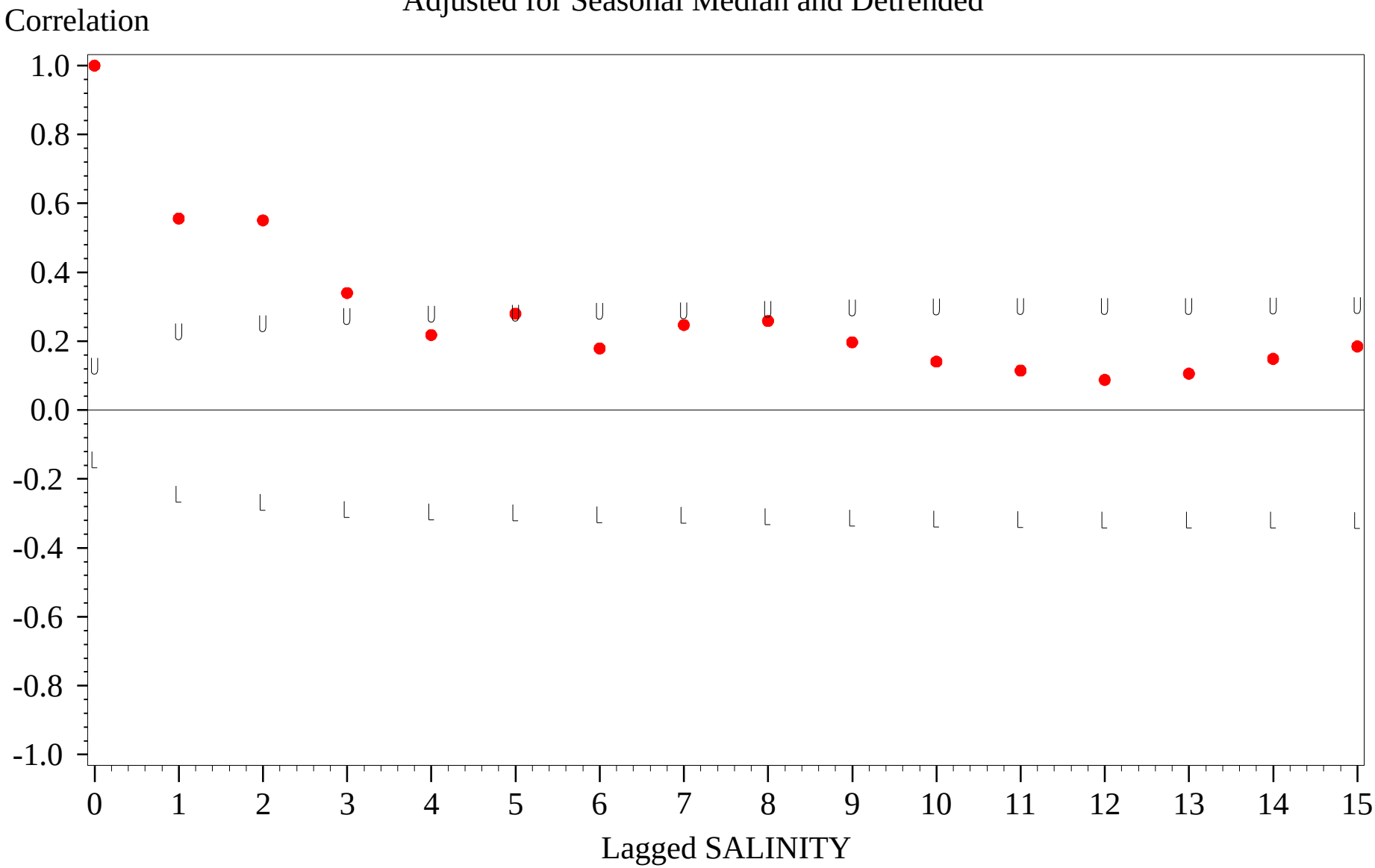
Autocorrelation Statistics for Surface Salinity at FDEP Station 56215SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.068	0.136	-0.136
1	0.556	0.118	0.236	-0.236
2	0.551	0.129	0.259	-0.259
3	0.340	0.140	0.280	-0.280
4	0.218	0.144	0.287	-0.287
5	0.280	0.145	0.290	-0.290
6	0.179	0.148	0.295	-0.295
7	0.247	0.149	0.297	-0.297
8	0.259	0.151	0.301	-0.301
9	0.197	0.153	0.305	-0.305
10	0.141	0.154	0.308	-0.308
11	0.115	0.154	0.309	-0.309
12	0.088	0.155	0.310	-0.310
13	0.106	0.155	0.310	-0.310
14	0.149	0.155	0.311	-0.311
15	0.185	0.156	0.312	-0.312

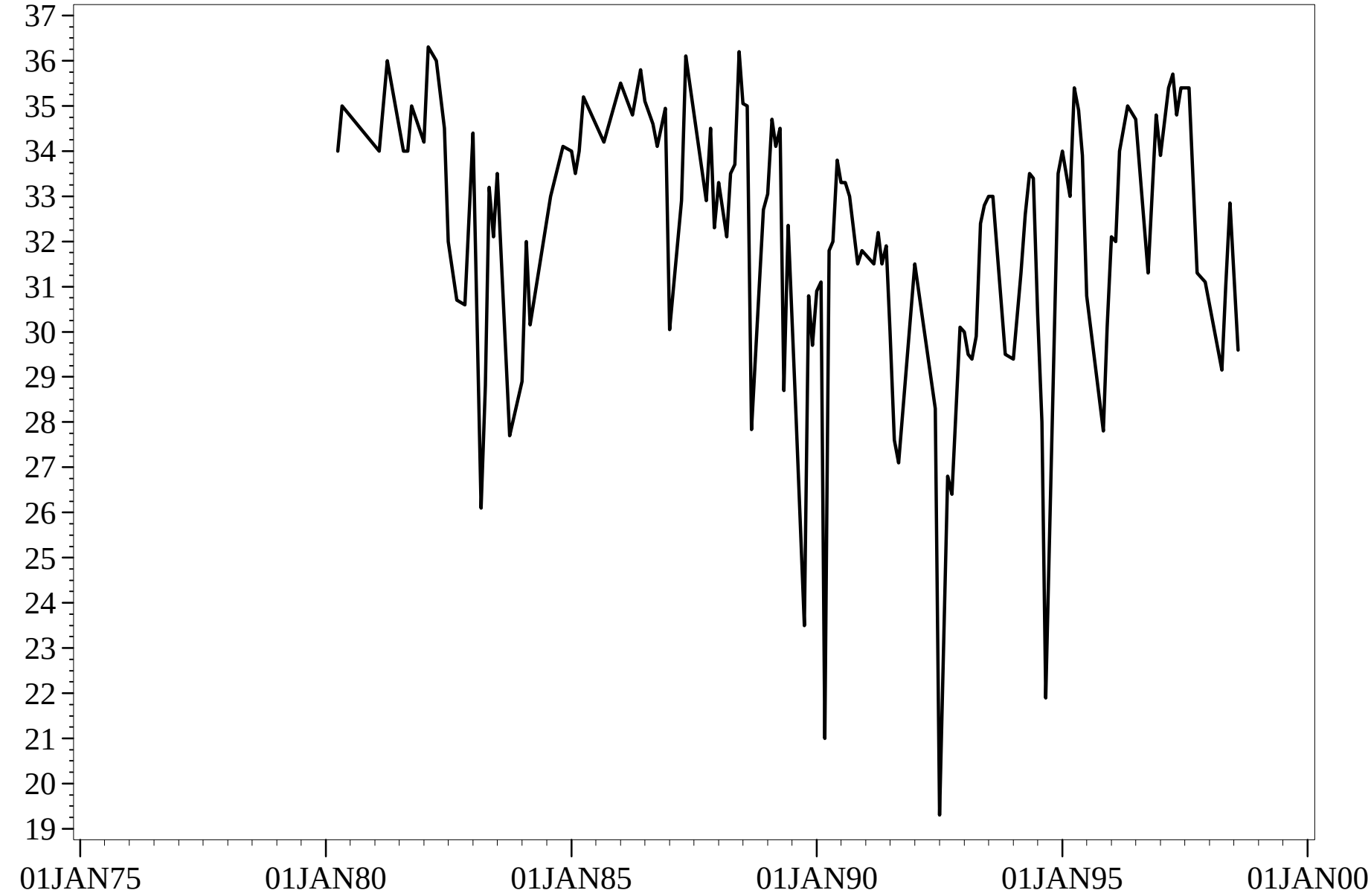
Lemon Bay Trends Appendix - Display 432
Correlogram for Surface Salinity at FDEP Station 56215SEAS

Adjusted for Seasonal Median and Detrended



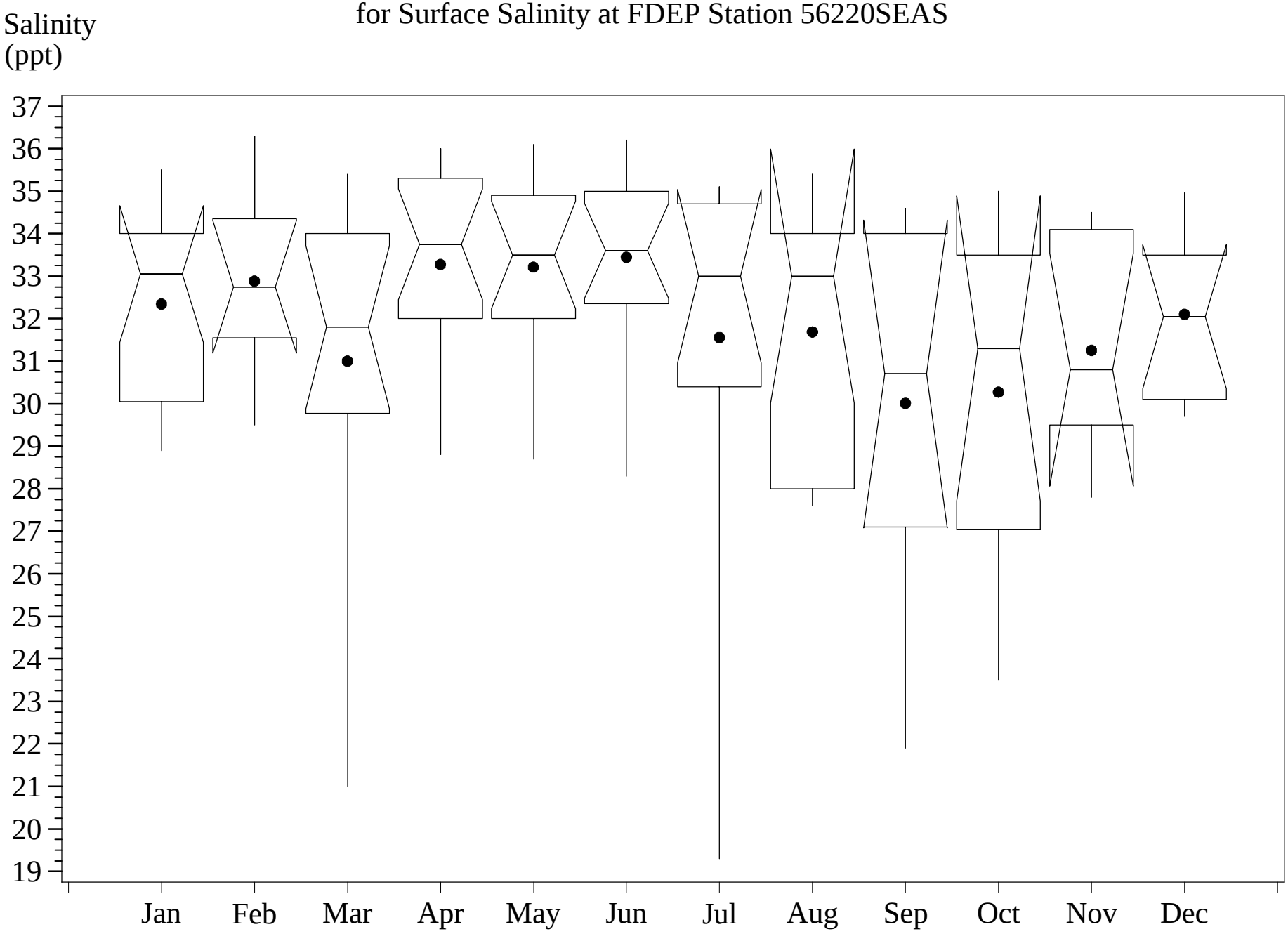
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 433
Monthly Data Time Series
for Surface Salinity at FDEP Station 56220SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 434

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56220SEAS



Lemon Bay Trends Appendix - Display 435

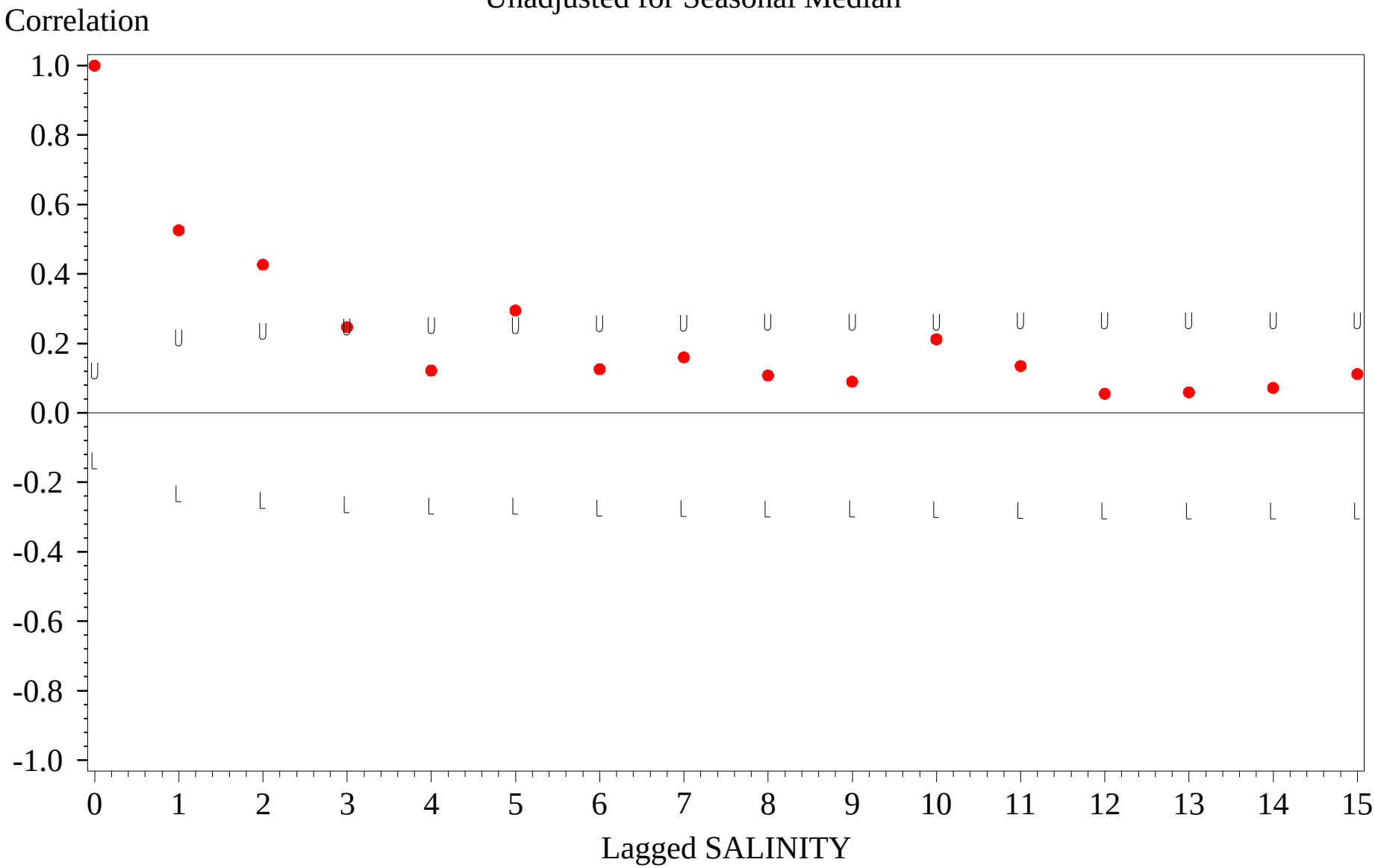
Autocorrelation Statistics for Surface Salinity at FDEP Station 56220SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.526	0.112	0.224	-0.224
2	0.427	0.122	0.243	-0.243
3	0.247	0.128	0.256	-0.256
4	0.122	0.130	0.260	-0.260
5	0.295	0.130	0.260	-0.260
6	0.126	0.133	0.266	-0.266
7	0.160	0.133	0.267	-0.267
8	0.108	0.134	0.269	-0.269
9	0.090	0.135	0.269	-0.269
10	0.212	0.135	0.270	-0.270
11	0.135	0.136	0.273	-0.273
12	0.055	0.137	0.274	-0.274
13	0.059	0.137	0.274	-0.274
14	0.072	0.137	0.274	-0.274
15	0.112	0.137	0.274	-0.274

Lemon Bay Trends Appendix - Display 436
Correlogram for Surface Salinity at FDEP Station 56220SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 437

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56220SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.166	0.016	0.184	-0.124

Lemon Bay Trends Appendix - Display 438

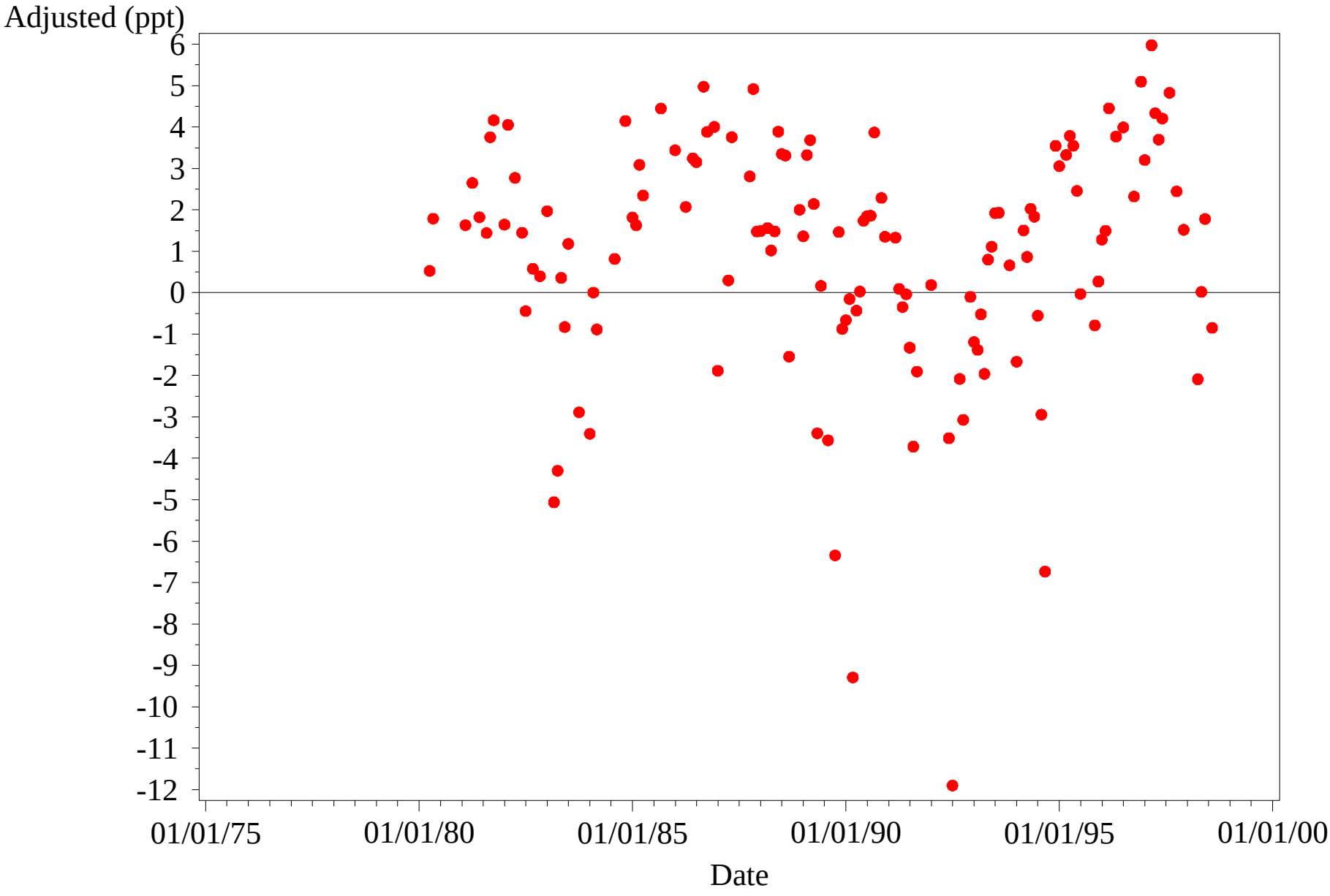
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56220SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16574	0.015784	0.18406	-0.12404

Lemon Bay Trends Appendix - Display 439

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56220SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 440

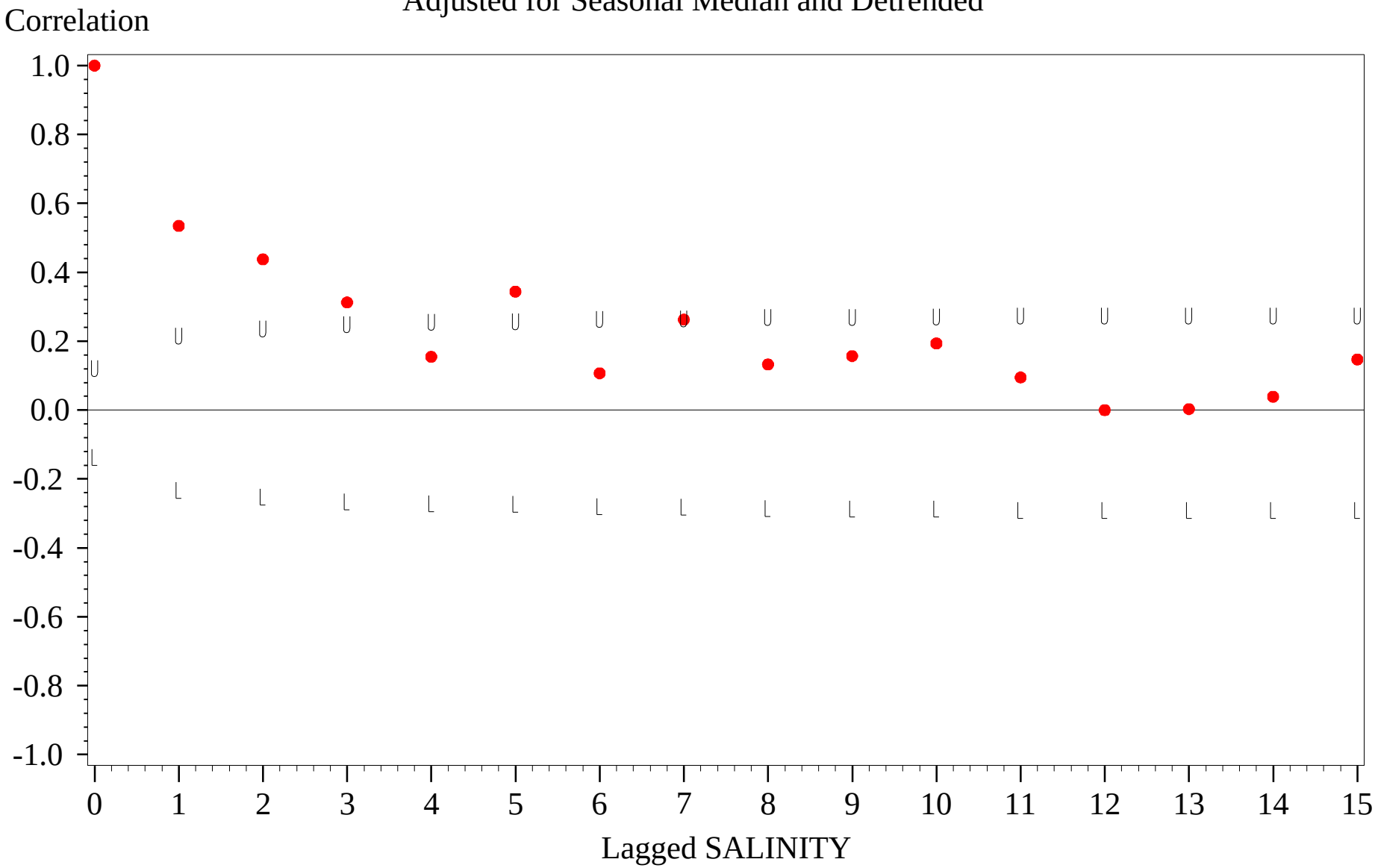
Autocorrelation Statistics for Surface Salinity at FDEP Station 56220SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.535	0.112	0.224	-0.224
2	0.438	0.122	0.244	-0.244
3	0.313	0.128	0.257	-0.257
4	0.155	0.132	0.263	-0.263
5	0.344	0.132	0.265	-0.265
6	0.107	0.136	0.272	-0.272
7	0.263	0.136	0.273	-0.273
8	0.133	0.138	0.277	-0.277
9	0.157	0.139	0.278	-0.278
10	0.194	0.140	0.279	-0.279
11	0.095	0.141	0.282	-0.282
12	0.000	0.141	0.282	-0.282
13	0.003	0.141	0.282	-0.282
14	0.039	0.141	0.282	-0.282
15	0.147	0.141	0.282	-0.282

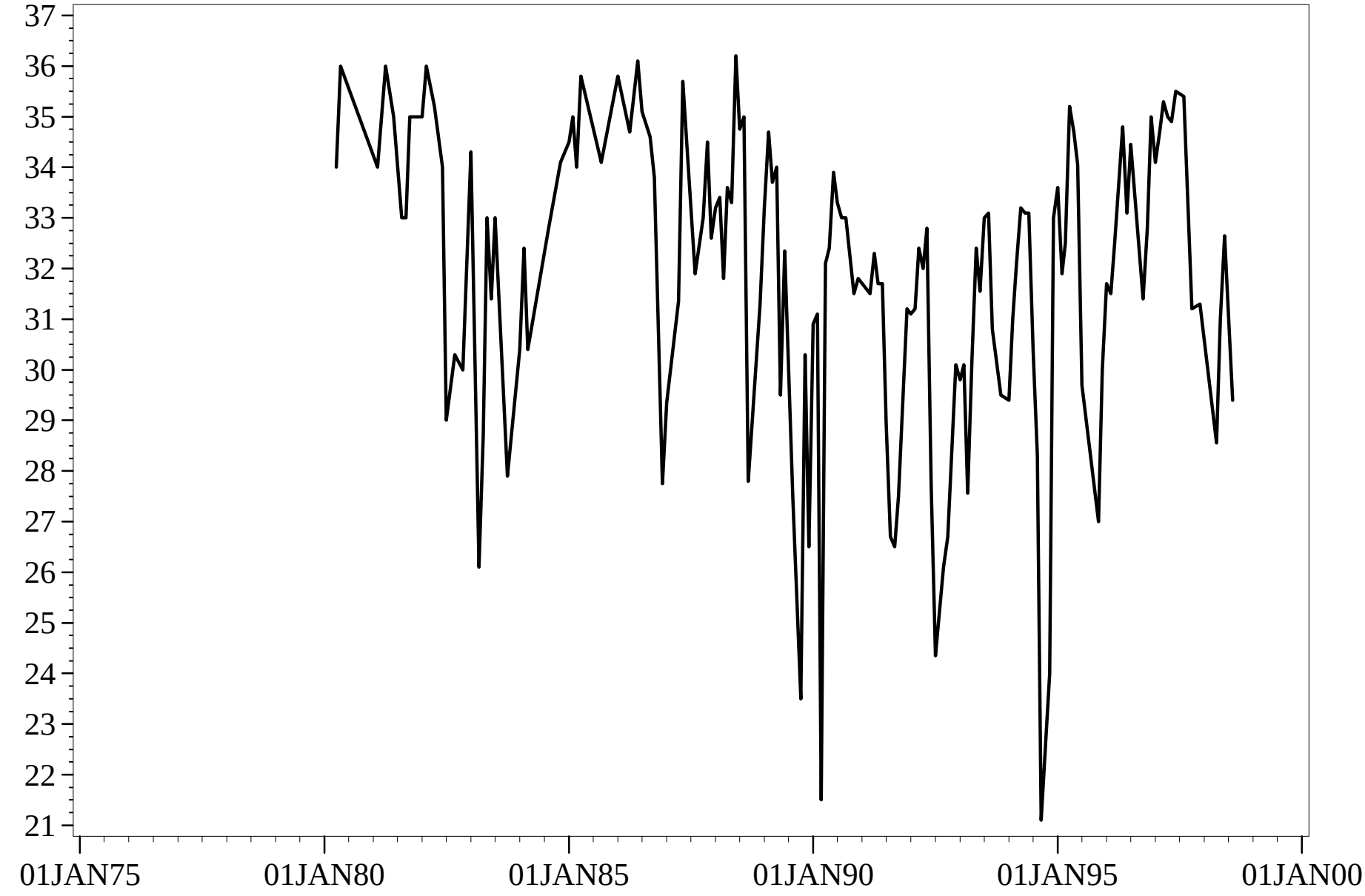
Lemon Bay Trends Appendix - Display 441
Correlogram for Surface Salinity at FDEP Station 56220SEAS

Adjusted for Seasonal Median and Detrended



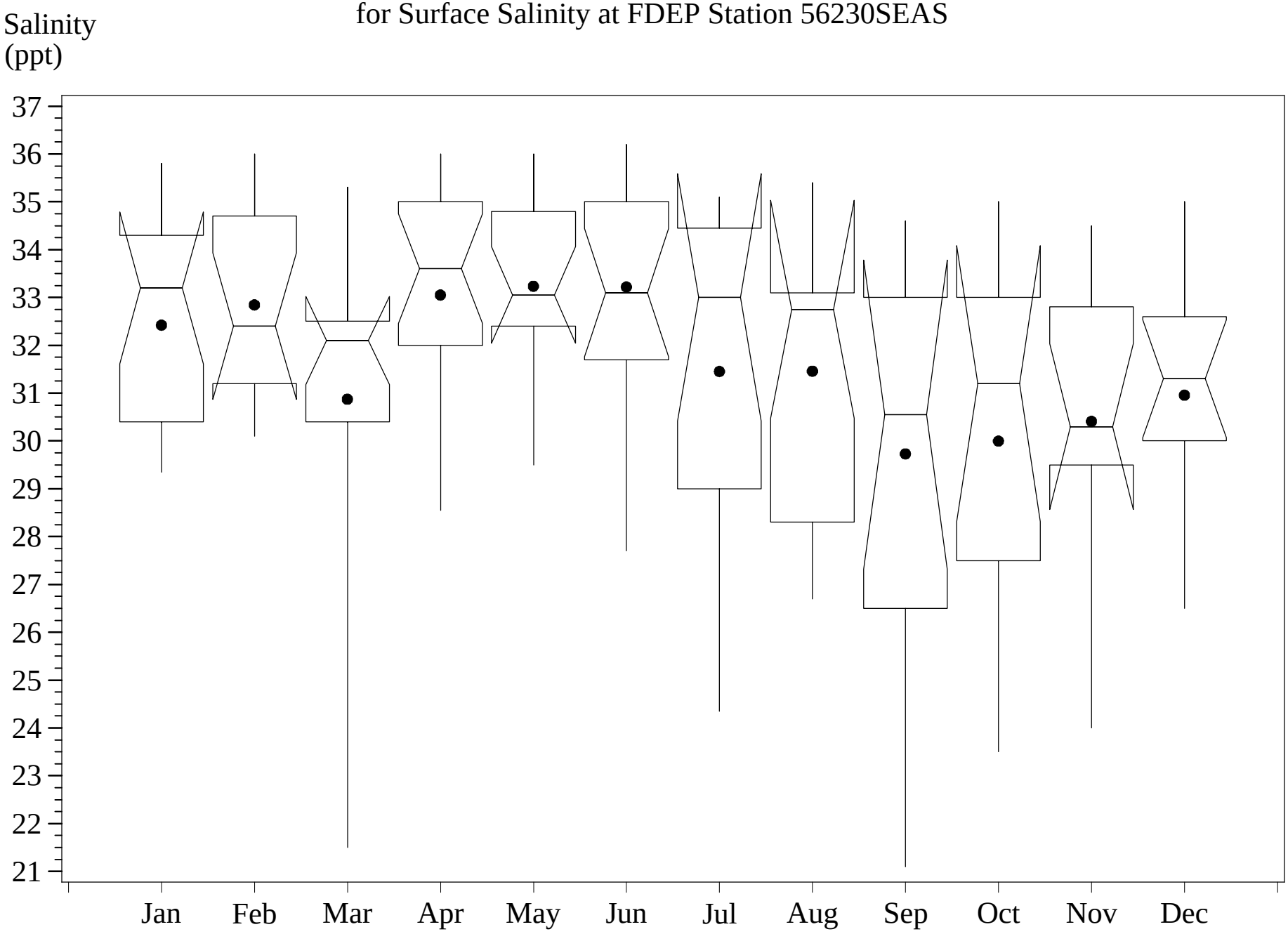
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 442
Monthly Data Time Series
for Surface Salinity at FDEP Station 56230SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 443

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56230SEAS



Lemon Bay Trends Appendix - Display 444

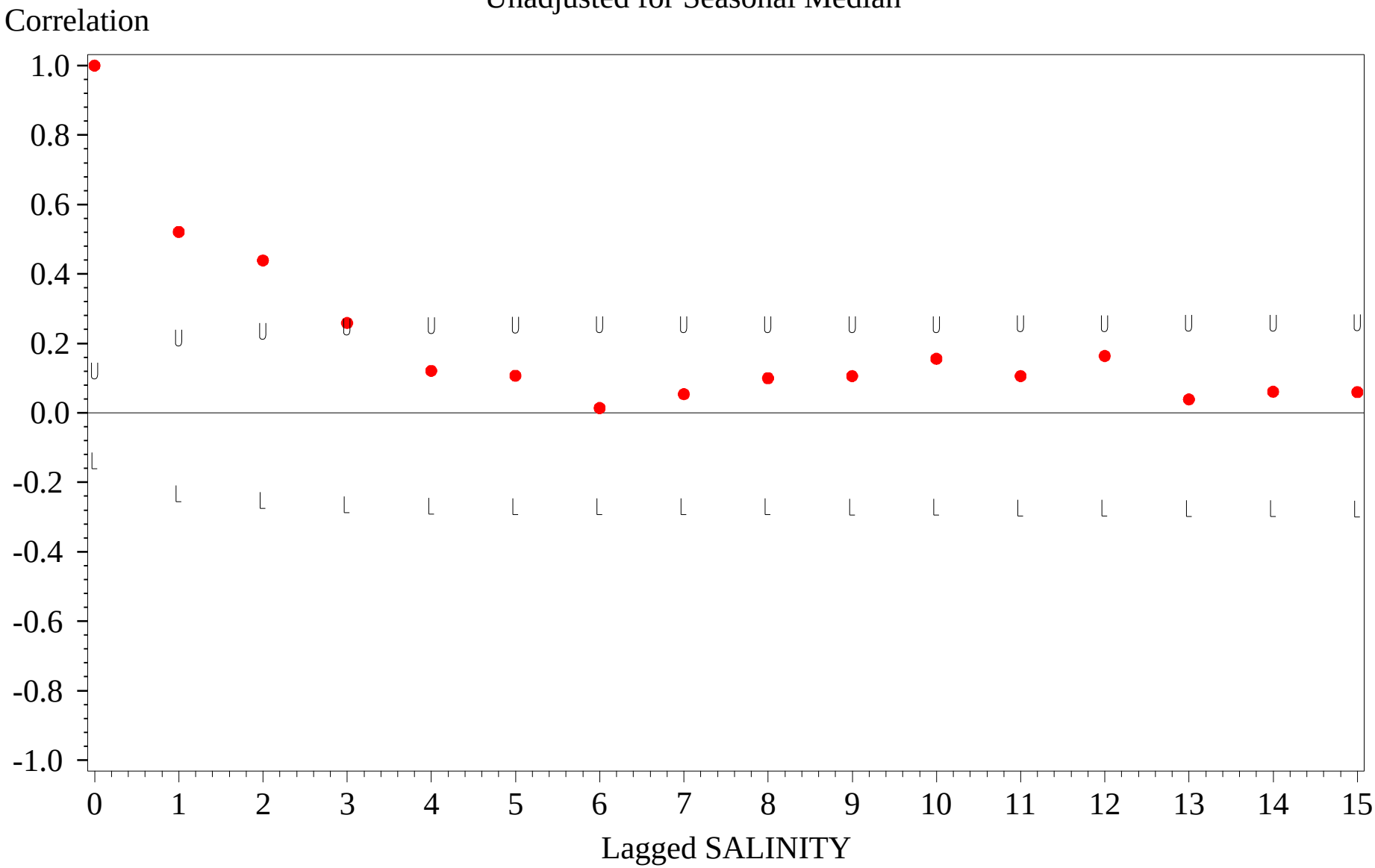
Autocorrelation Statistics for Surface Salinity at FDEP Station 56230SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.521	0.112	0.224	-0.224
2	0.439	0.121	0.243	-0.243
3	0.259	0.128	0.256	-0.256
4	0.121	0.130	0.260	-0.260
5	0.107	0.131	0.261	-0.261
6	0.014	0.131	0.262	-0.262
7	0.054	0.131	0.262	-0.262
8	0.100	0.131	0.262	-0.262
9	0.106	0.131	0.263	-0.263
10	0.156	0.132	0.263	-0.263
11	0.106	0.132	0.265	-0.265
12	0.164	0.133	0.266	-0.266
13	0.039	0.134	0.267	-0.267
14	0.061	0.134	0.267	-0.267
15	0.060	0.134	0.268	-0.268

Lemon Bay Trends Appendix - Display 445
Correlogram for Surface Salinity at FDEP Station 56230SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 446

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56230SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.128	0.045	0.269	-0.09

Lemon Bay Trends Appendix - Display 447

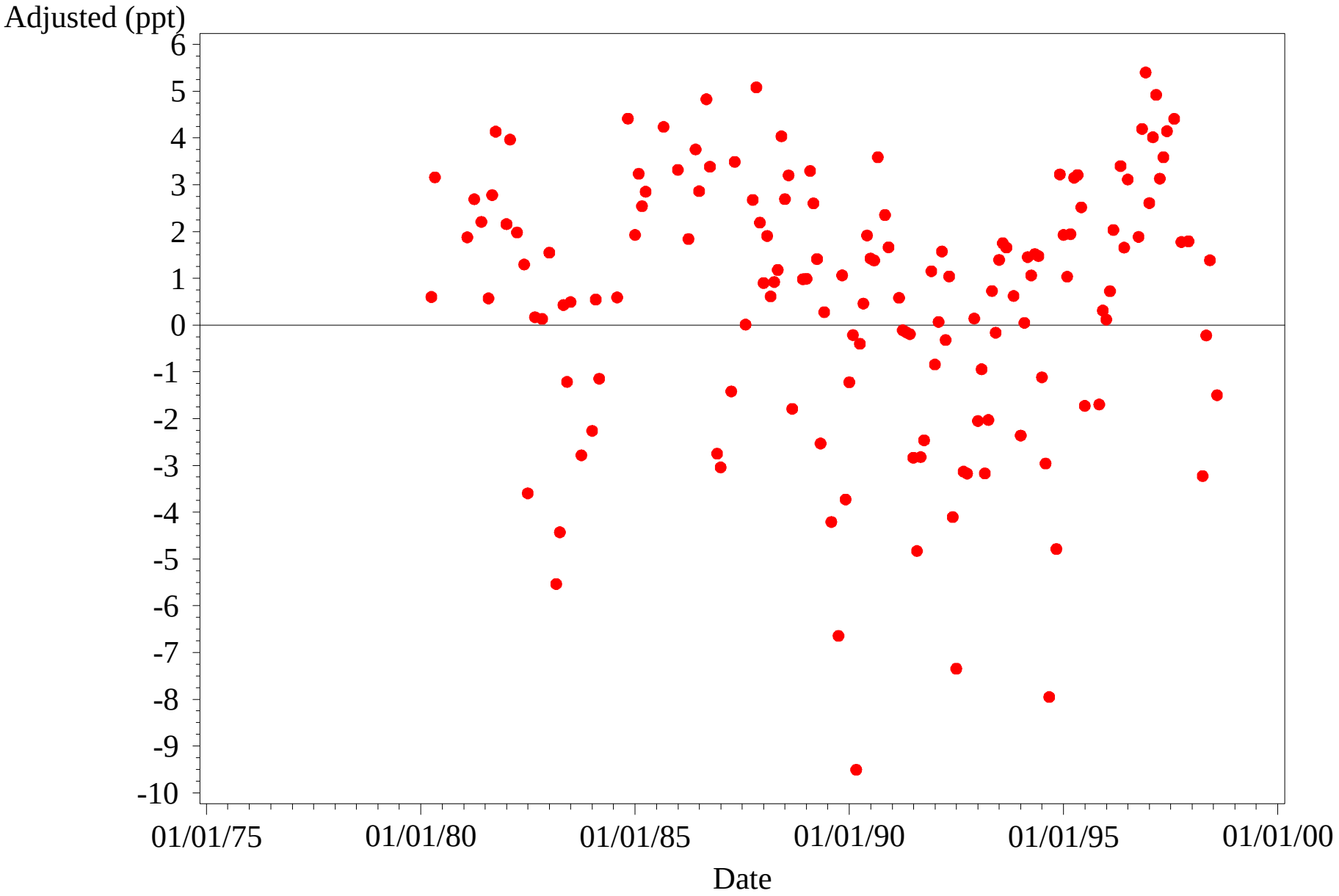
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56230SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.128	0.045142	0.26897	-0.09

Lemon Bay Trends Appendix - Display 448

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56230SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 449

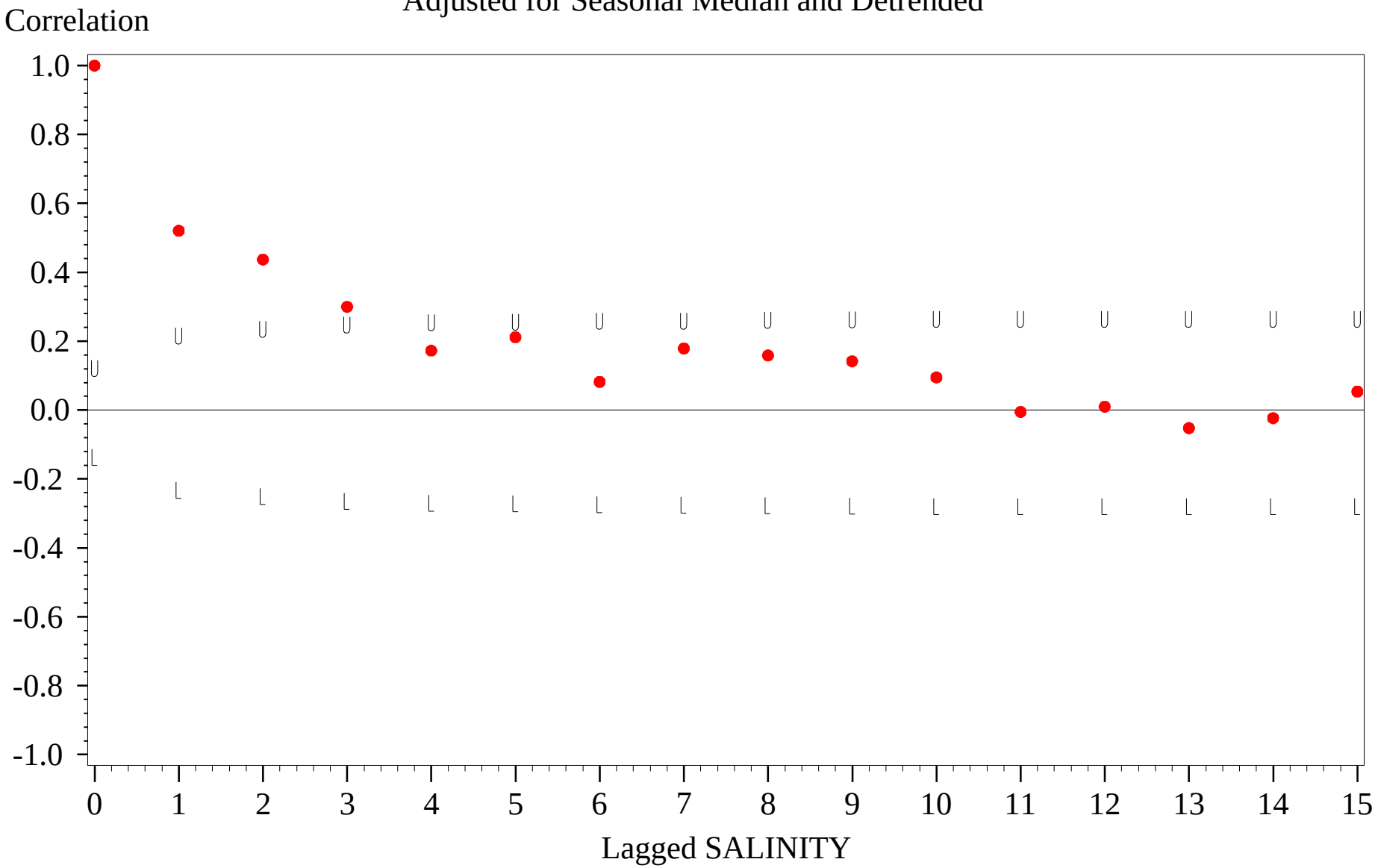
Autocorrelation Statistics for Surface Salinity at FDEP Station 56230SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.521	0.112	0.224	-0.224
2	0.437	0.122	0.243	-0.243
3	0.300	0.128	0.256	-0.256
4	0.173	0.131	0.262	-0.262
5	0.212	0.132	0.263	-0.263
6	0.082	0.133	0.266	-0.266
7	0.179	0.133	0.267	-0.267
8	0.159	0.134	0.269	-0.269
9	0.142	0.135	0.270	-0.270
10	0.095	0.136	0.272	-0.272
11	-0.005	0.136	0.272	-0.272
12	0.010	0.136	0.272	-0.272
13	-0.052	0.136	0.272	-0.272
14	-0.023	0.136	0.272	-0.272
15	0.054	0.136	0.272	-0.272

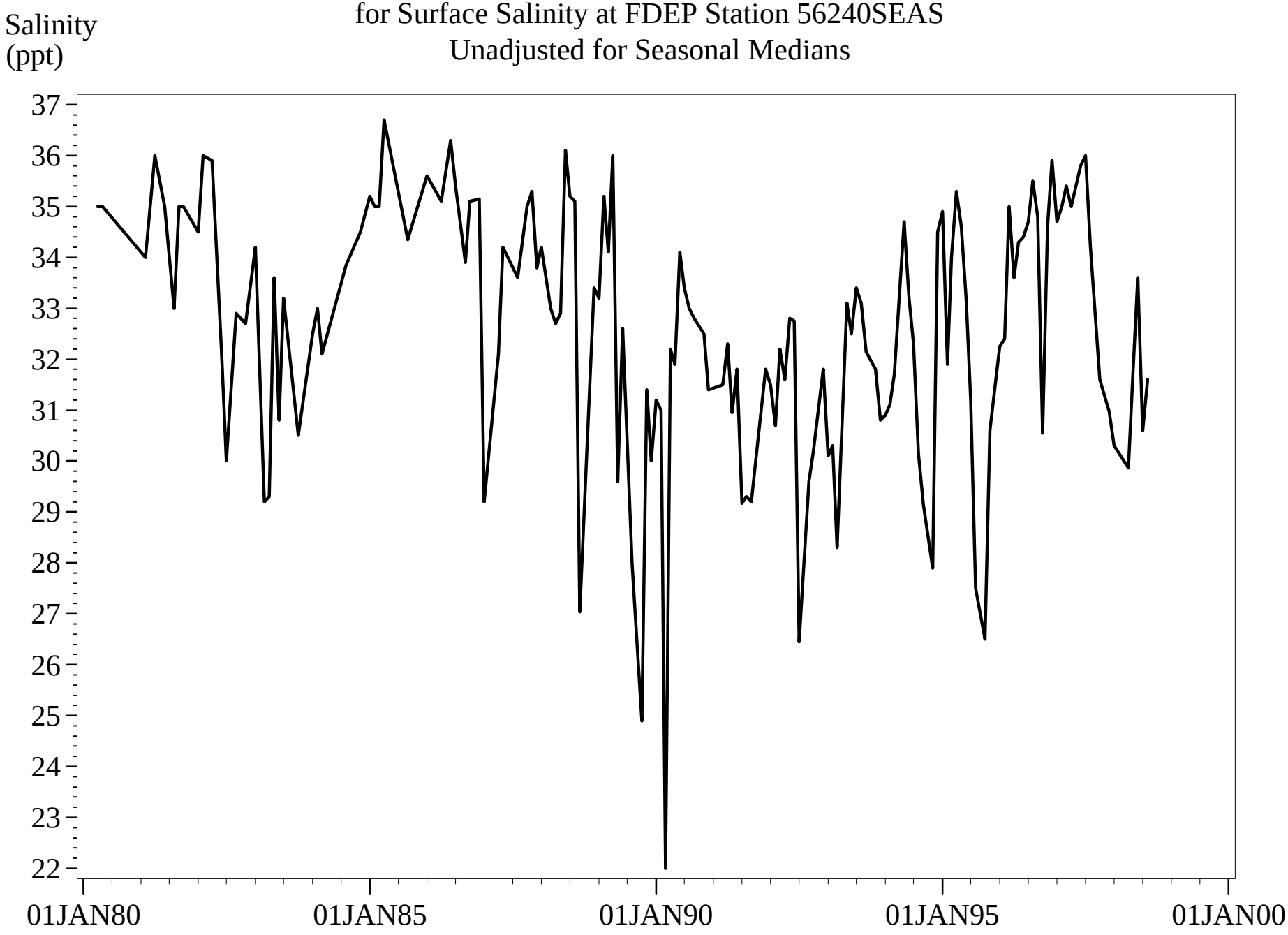
Lemon Bay Trends Appendix - Display 450
Correlogram for Surface Salinity at FDEP Station 56230SEAS

Adjusted for Seasonal Median and Detrended



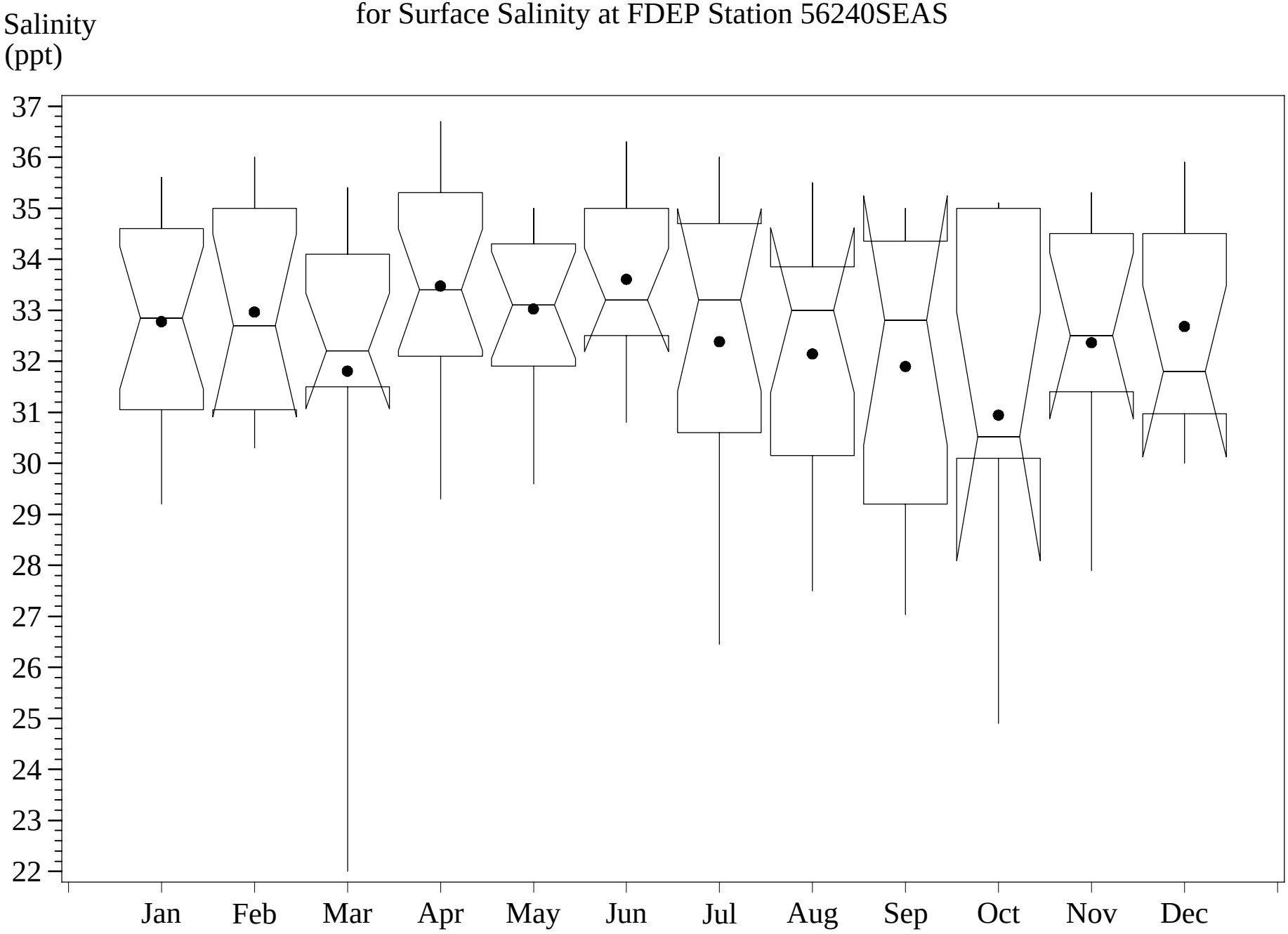
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 451
Monthly Data Time Series
for Surface Salinity at FDEP Station 56240SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 452

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56240SEAS



Lemon Bay Trends Appendix - Display 453

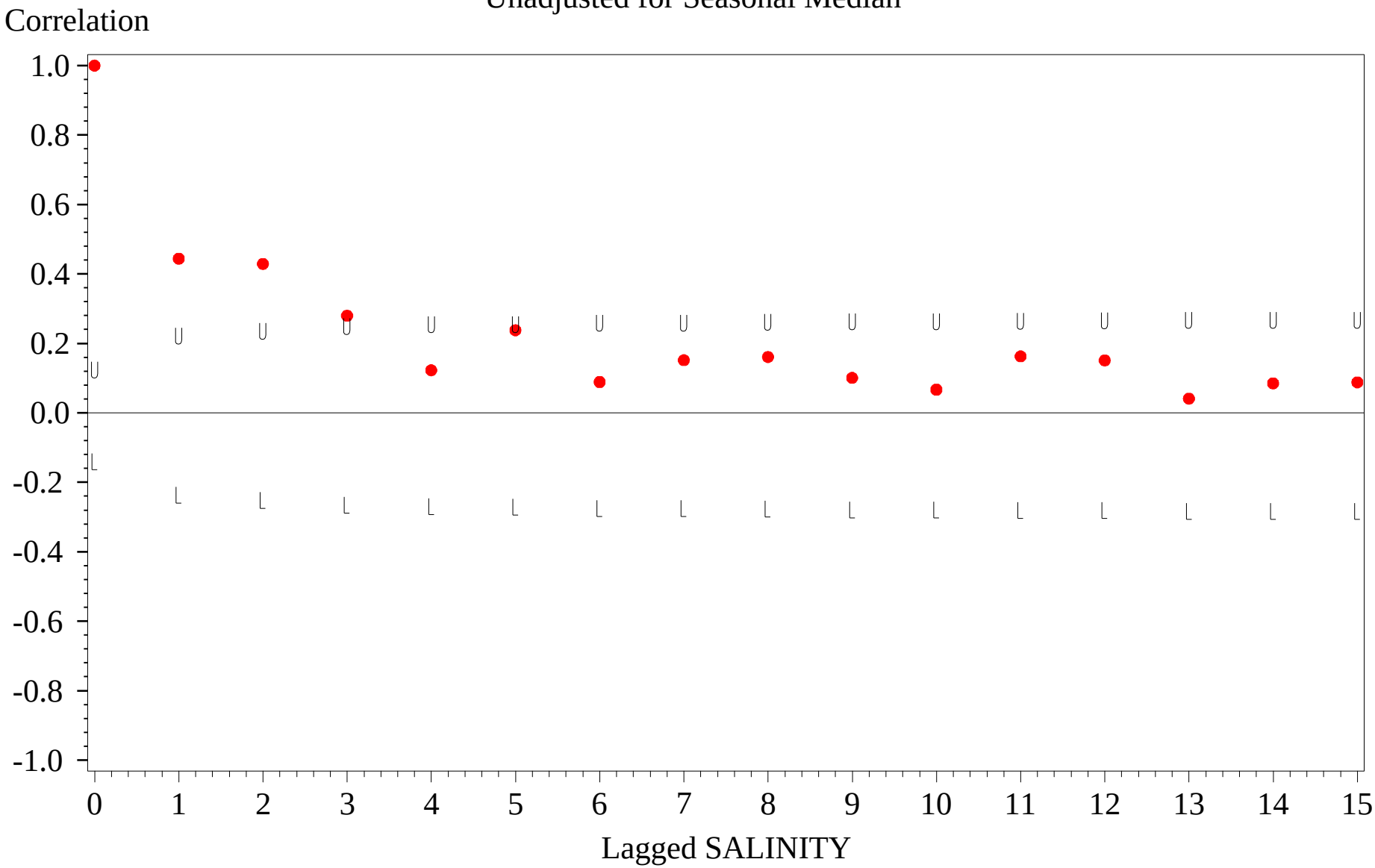
Autocorrelation Statistics for Surface Salinity at FDEP Station 56240SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.444	0.115	0.229	-0.229
2	0.429	0.122	0.244	-0.244
3	0.280	0.128	0.257	-0.257
4	0.123	0.131	0.262	-0.262
5	0.238	0.132	0.263	-0.263
6	0.089	0.133	0.267	-0.267
7	0.152	0.134	0.267	-0.267
8	0.161	0.134	0.269	-0.269
9	0.101	0.135	0.271	-0.271
10	0.067	0.136	0.271	-0.271
11	0.163	0.136	0.272	-0.272
12	0.151	0.137	0.273	-0.273
13	0.041	0.137	0.275	-0.275
14	0.085	0.137	0.275	-0.275
15	0.088	0.138	0.275	-0.275

Lemon Bay Trends Appendix - Display 454
Correlogram for Surface Salinity at FDEP Station 56240SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 455

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56240SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.095	0.128	0.412	-0.081

Lemon Bay Trends Appendix - Display 456

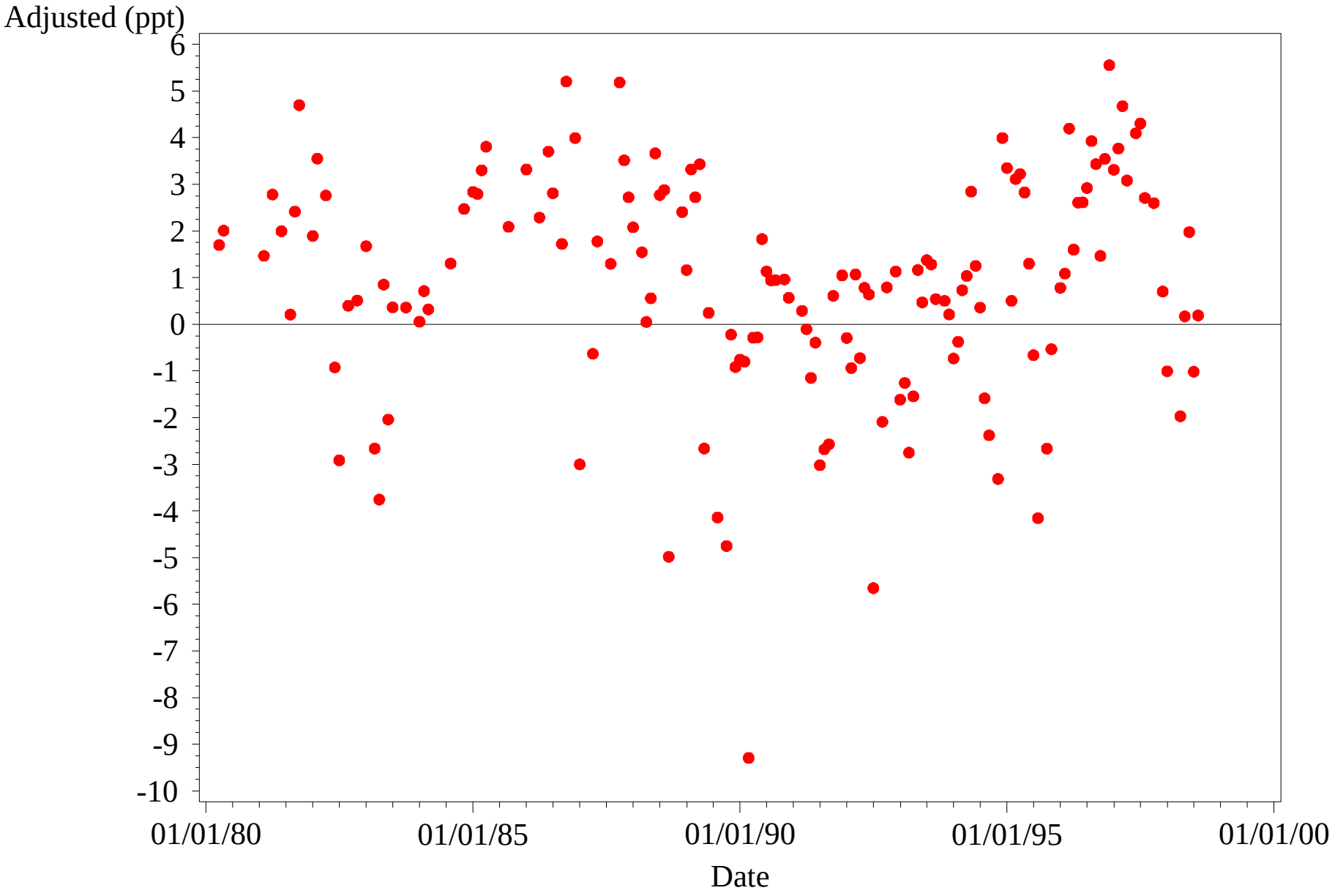
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56240SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.095037	0.12827	0.41182	-0.08125

Lemon Bay Trends Appendix - Display 457

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56240SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 458

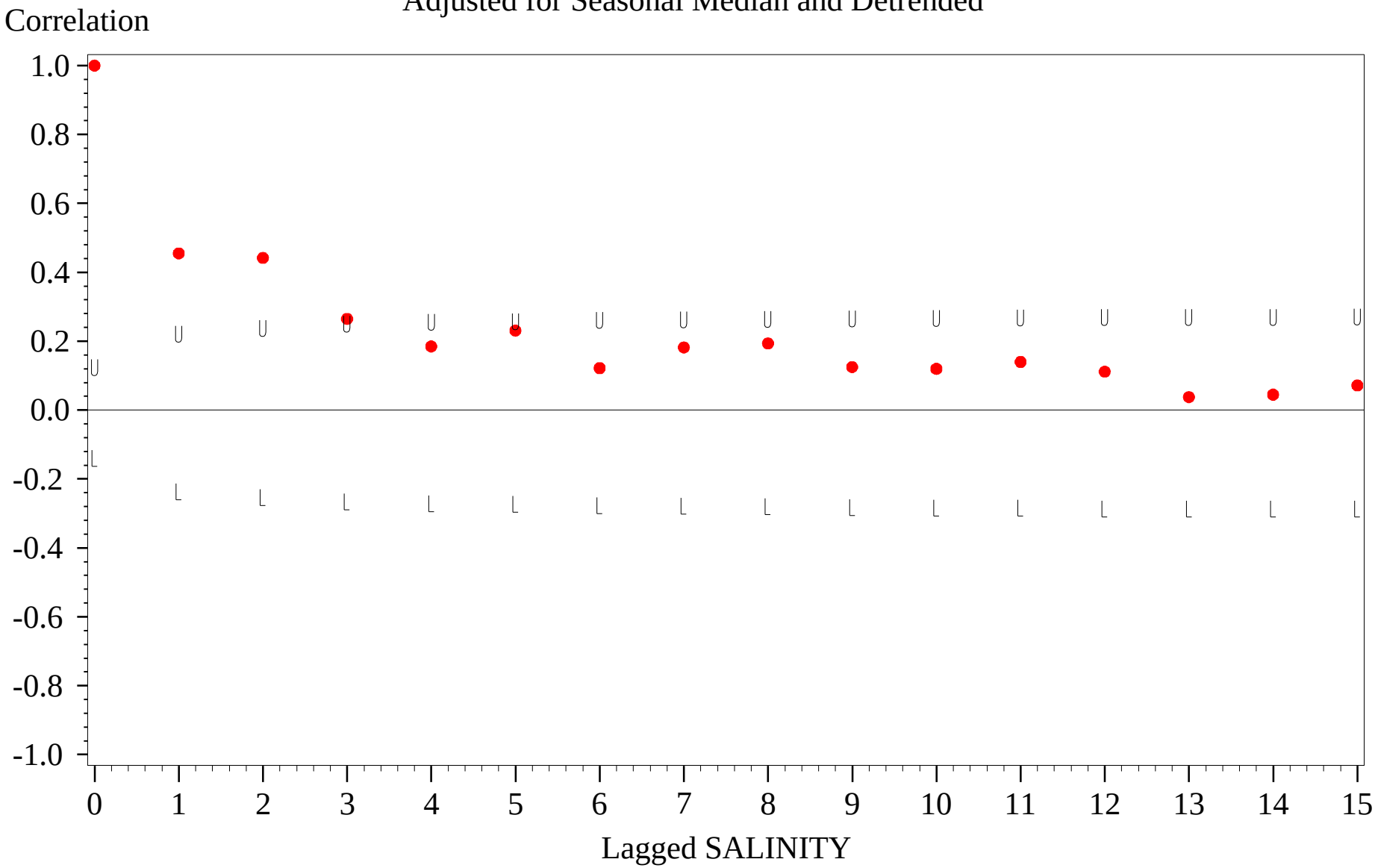
Autocorrelation Statistics for Surface Salinity at FDEP Station 56240SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.455	0.115	0.229	-0.229
2	0.442	0.122	0.245	-0.245
3	0.265	0.129	0.258	-0.258
4	0.185	0.132	0.263	-0.263
5	0.231	0.133	0.265	-0.265
6	0.122	0.134	0.269	-0.269
7	0.182	0.135	0.270	-0.270
8	0.194	0.136	0.272	-0.272
9	0.125	0.137	0.274	-0.274
10	0.120	0.138	0.275	-0.275
11	0.140	0.138	0.276	-0.276
12	0.112	0.139	0.278	-0.278
13	0.038	0.139	0.278	-0.278
14	0.045	0.139	0.278	-0.278
15	0.072	0.139	0.279	-0.279

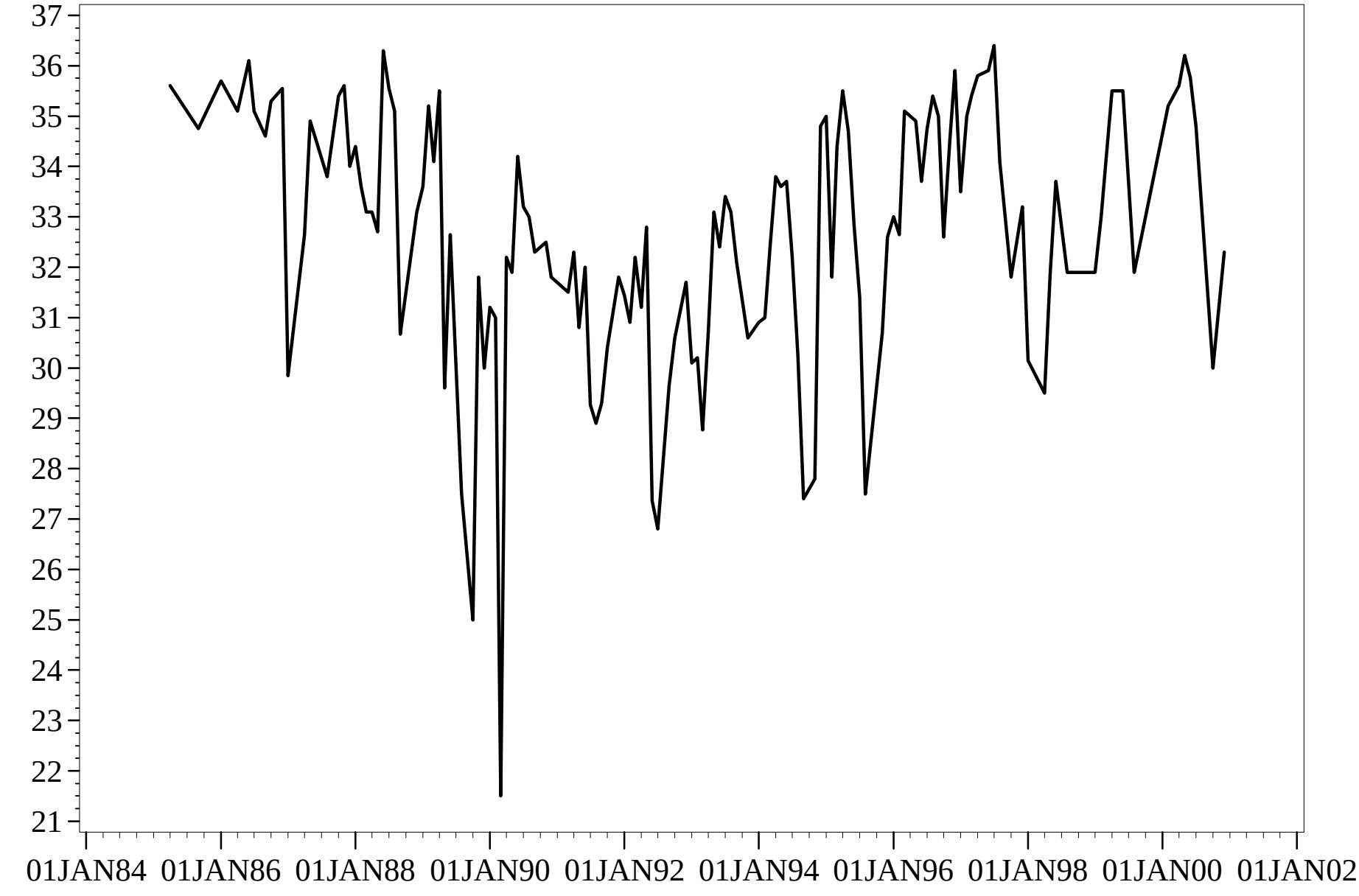
Lemon Bay Trends Appendix - Display 459
Correlogram for Surface Salinity at FDEP Station 56240SEAS

Adjusted for Seasonal Median and Detrended



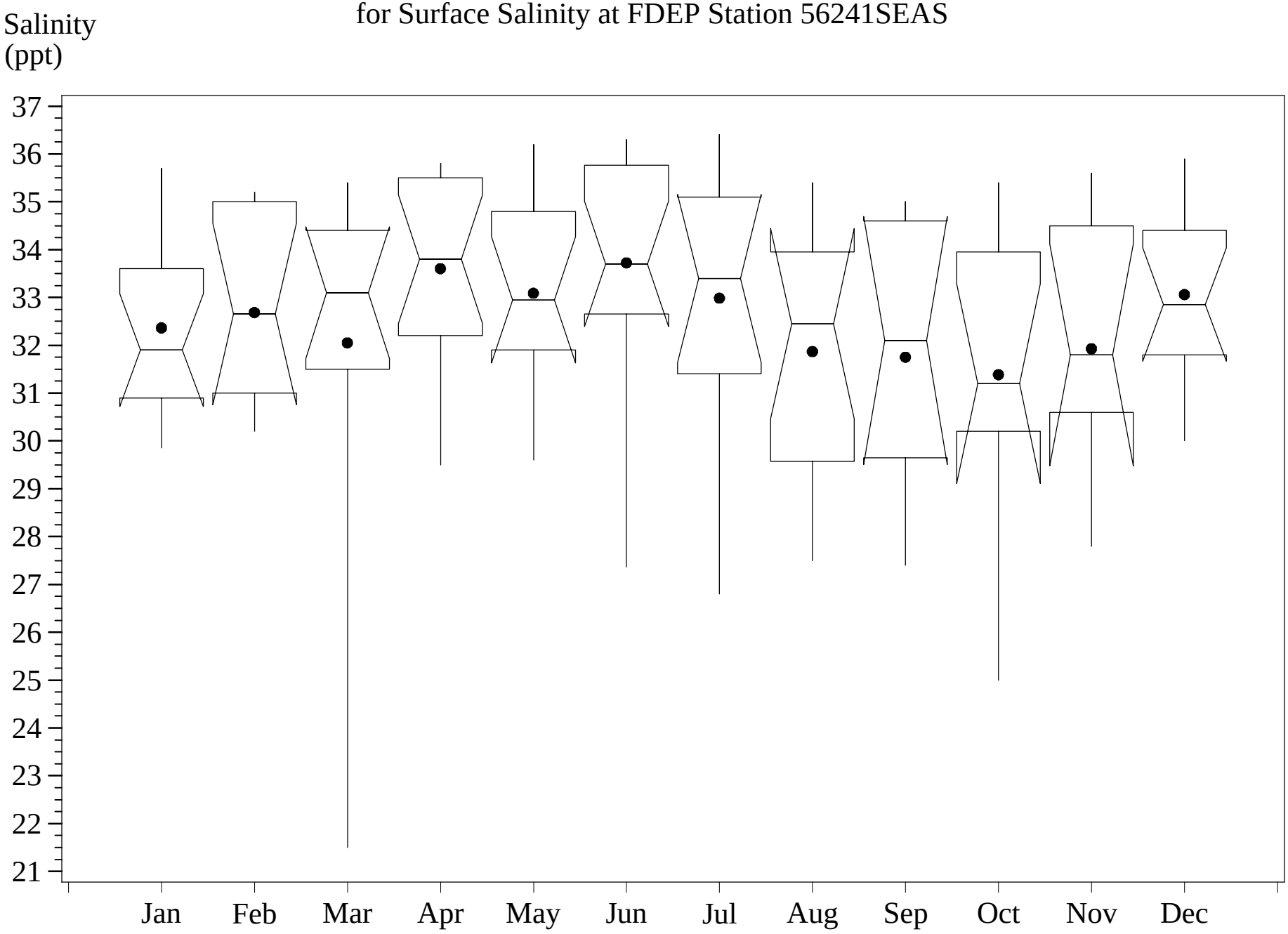
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 460
Monthly Data Time Series
for Surface Salinity at FDEP Station 56241SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 461

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56241SEAS



Lemon Bay Trends Appendix - Display 462

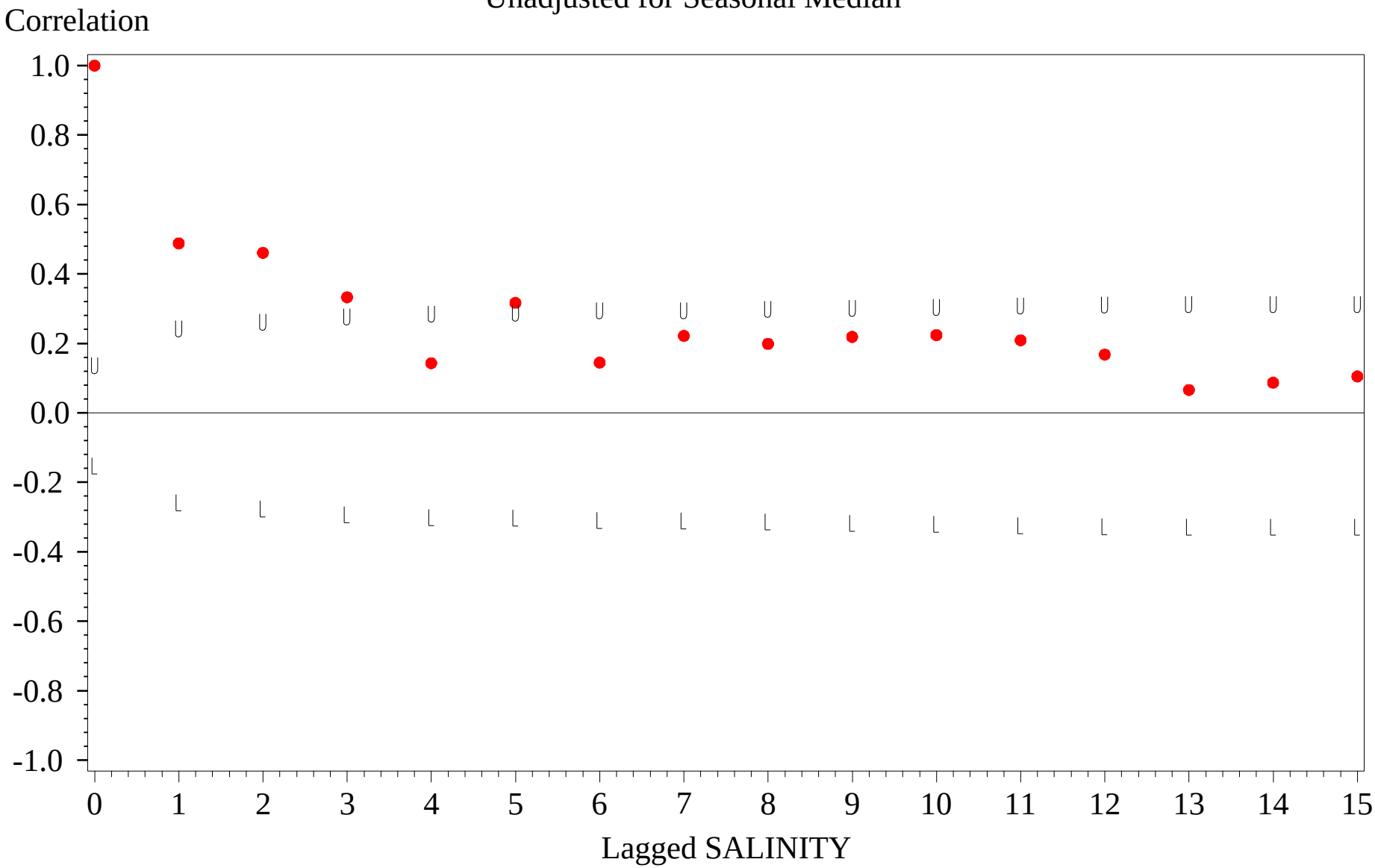
Autocorrelation Statistics for Surface Salinity at FDEP Station 56241SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.488	0.125	0.250	-0.250
2	0.461	0.135	0.269	-0.269
3	0.333	0.143	0.285	-0.285
4	0.143	0.147	0.293	-0.293
5	0.317	0.147	0.295	-0.295
6	0.145	0.151	0.302	-0.302
7	0.222	0.152	0.303	-0.303
8	0.199	0.153	0.306	-0.306
9	0.219	0.155	0.309	-0.309
10	0.224	0.156	0.312	-0.312
11	0.209	0.158	0.316	-0.316
12	0.168	0.159	0.319	-0.319
13	0.066	0.160	0.320	-0.320
14	0.087	0.160	0.321	-0.321
15	0.105	0.161	0.321	-0.321

Lemon Bay Trends Appendix - Display 463
Correlogram for Surface Salinity at FDEP Station 56241SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 464

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56241SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.065	0.341	0.635	0.038

Lemon Bay Trends Appendix - Display 465

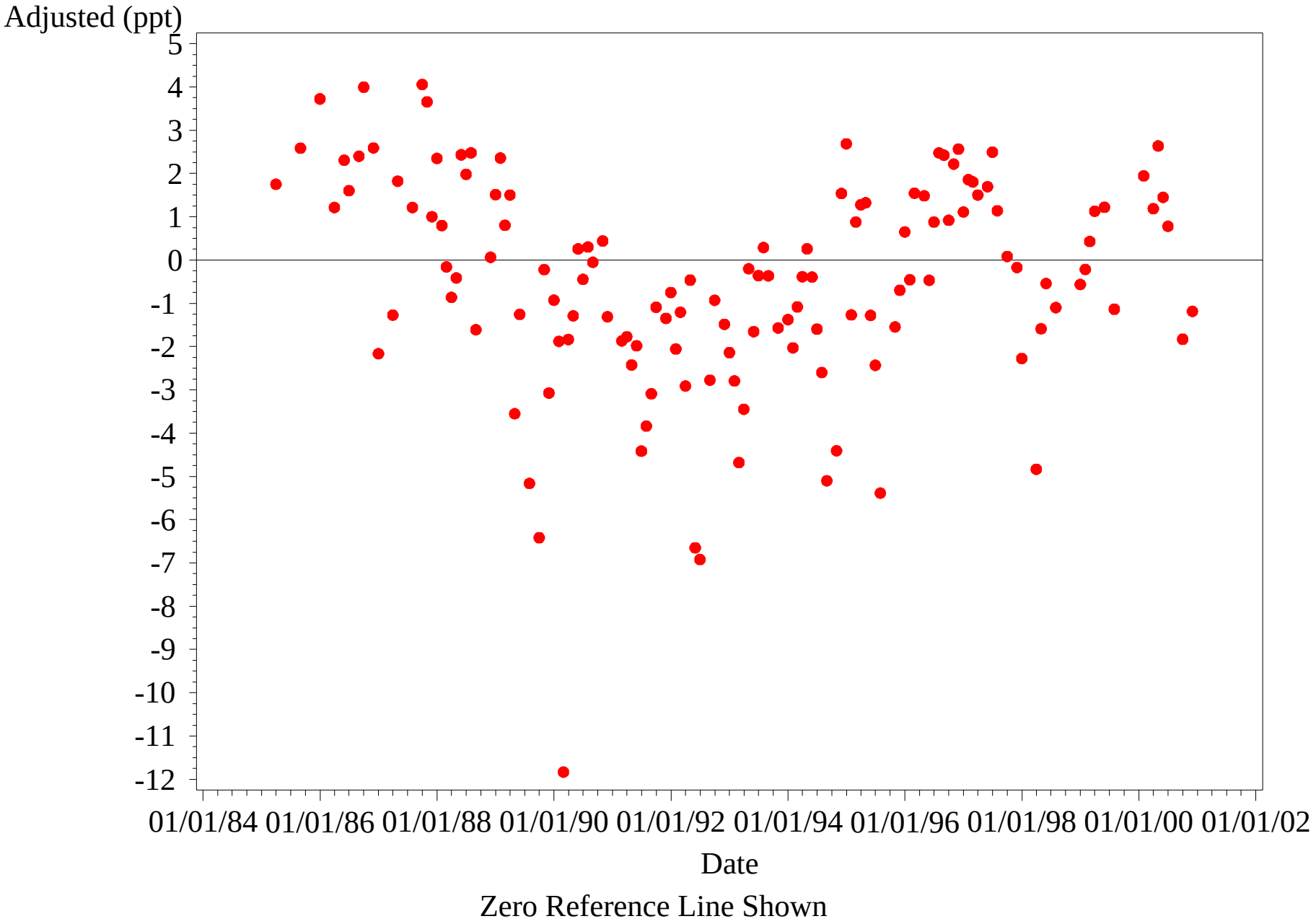
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56241SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.065097	0.34050	0.63506	0.0375

Lemon Bay Trends Appendix - Display 466

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56241SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 467

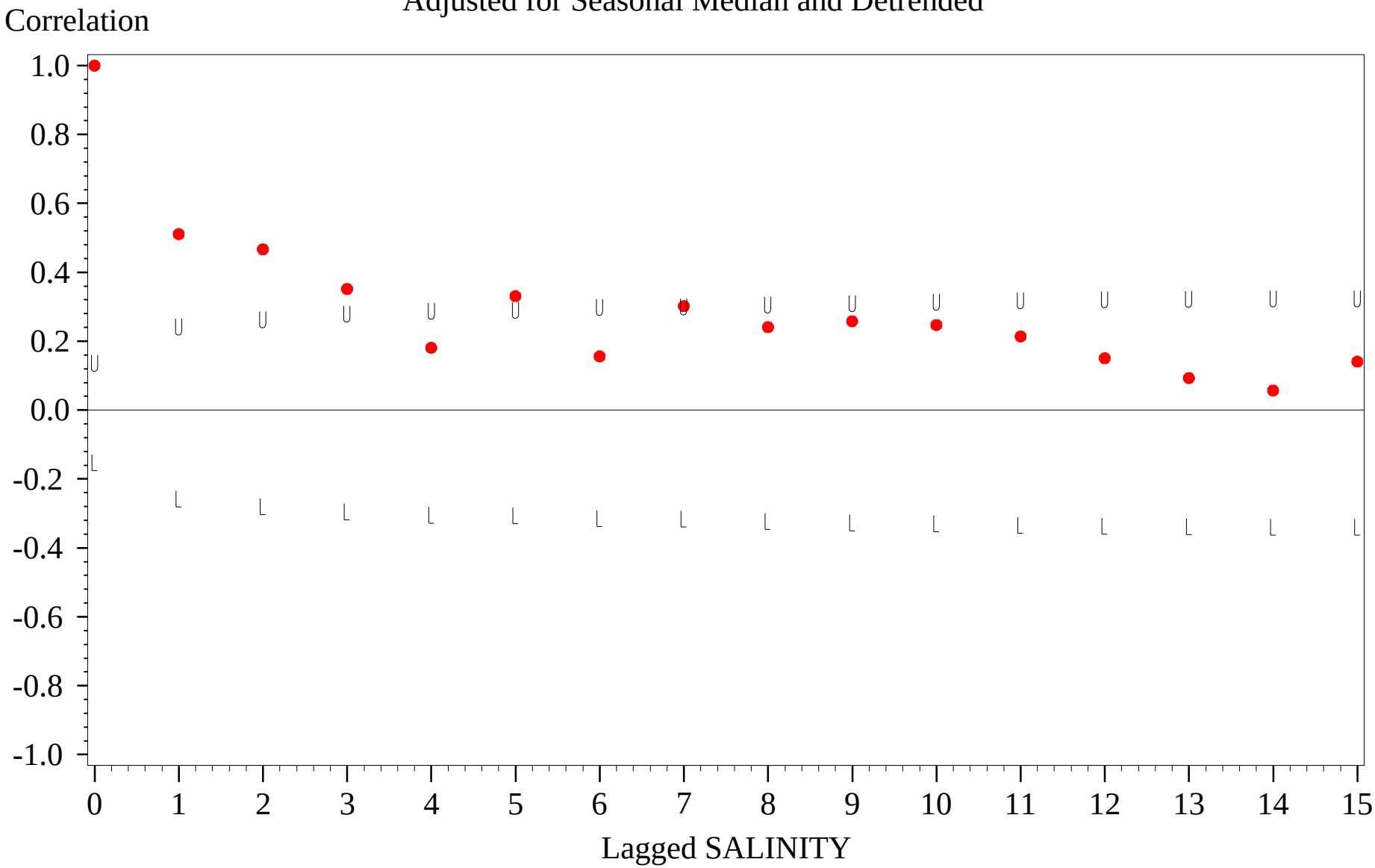
Autocorrelation Statistics for Surface Salinity at FDEP Station 56241SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.511	0.125	0.250	-0.250
2	0.467	0.135	0.271	-0.271
3	0.352	0.144	0.287	-0.287
4	0.181	0.148	0.296	-0.296
5	0.331	0.149	0.298	-0.298
6	0.156	0.153	0.306	-0.306
7	0.302	0.154	0.308	-0.308
8	0.241	0.157	0.314	-0.314
9	0.258	0.159	0.318	-0.318
10	0.247	0.161	0.322	-0.322
11	0.214	0.163	0.326	-0.326
12	0.151	0.164	0.329	-0.329
13	0.093	0.165	0.330	-0.330
14	0.057	0.165	0.331	-0.331
15	0.141	0.165	0.331	-0.331

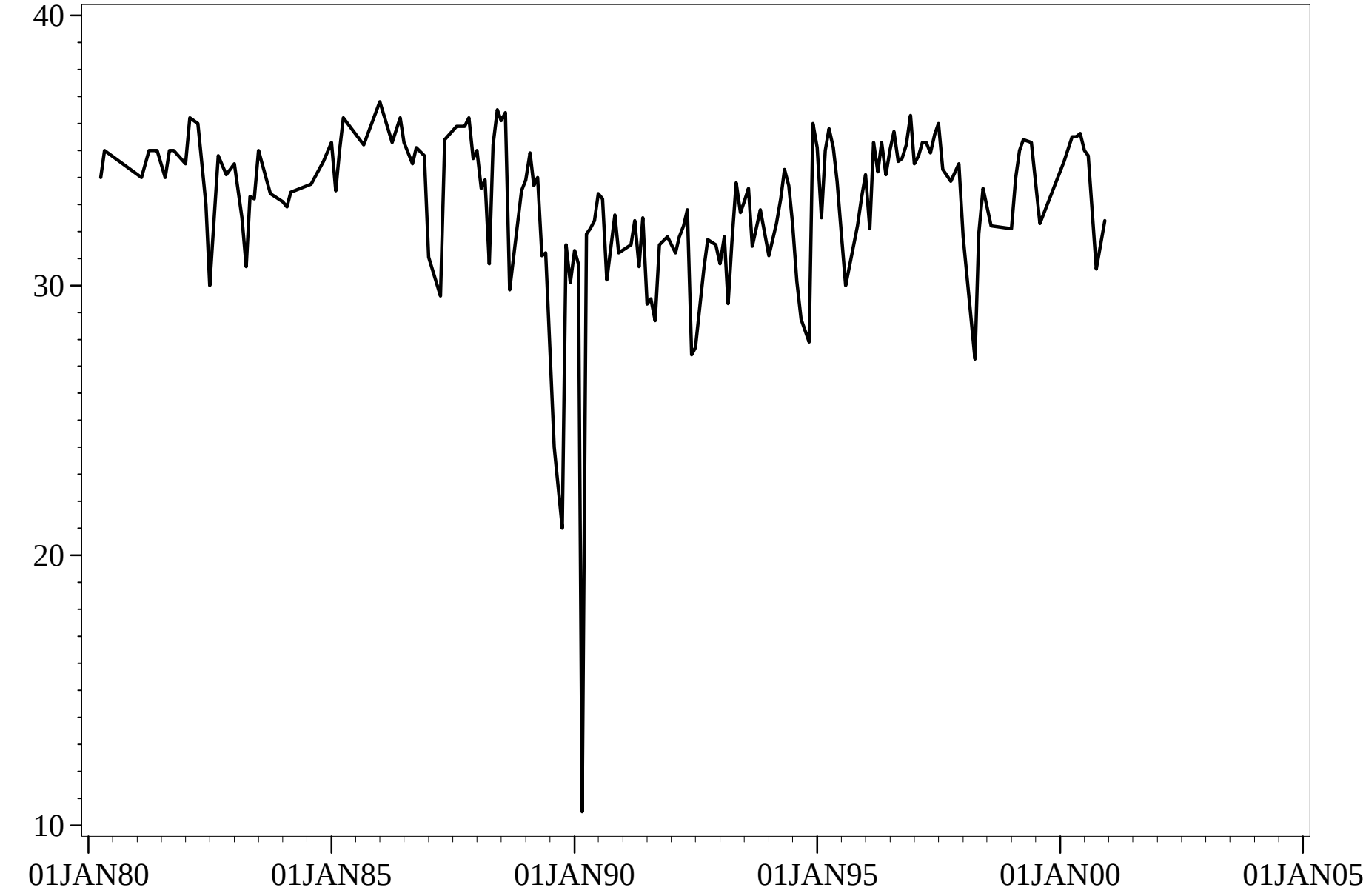
Lemon Bay Trends Appendix - Display 468
Correlogram for Surface Salinity at FDEP Station 56241SEAS

Adjusted for Seasonal Median and Detrended



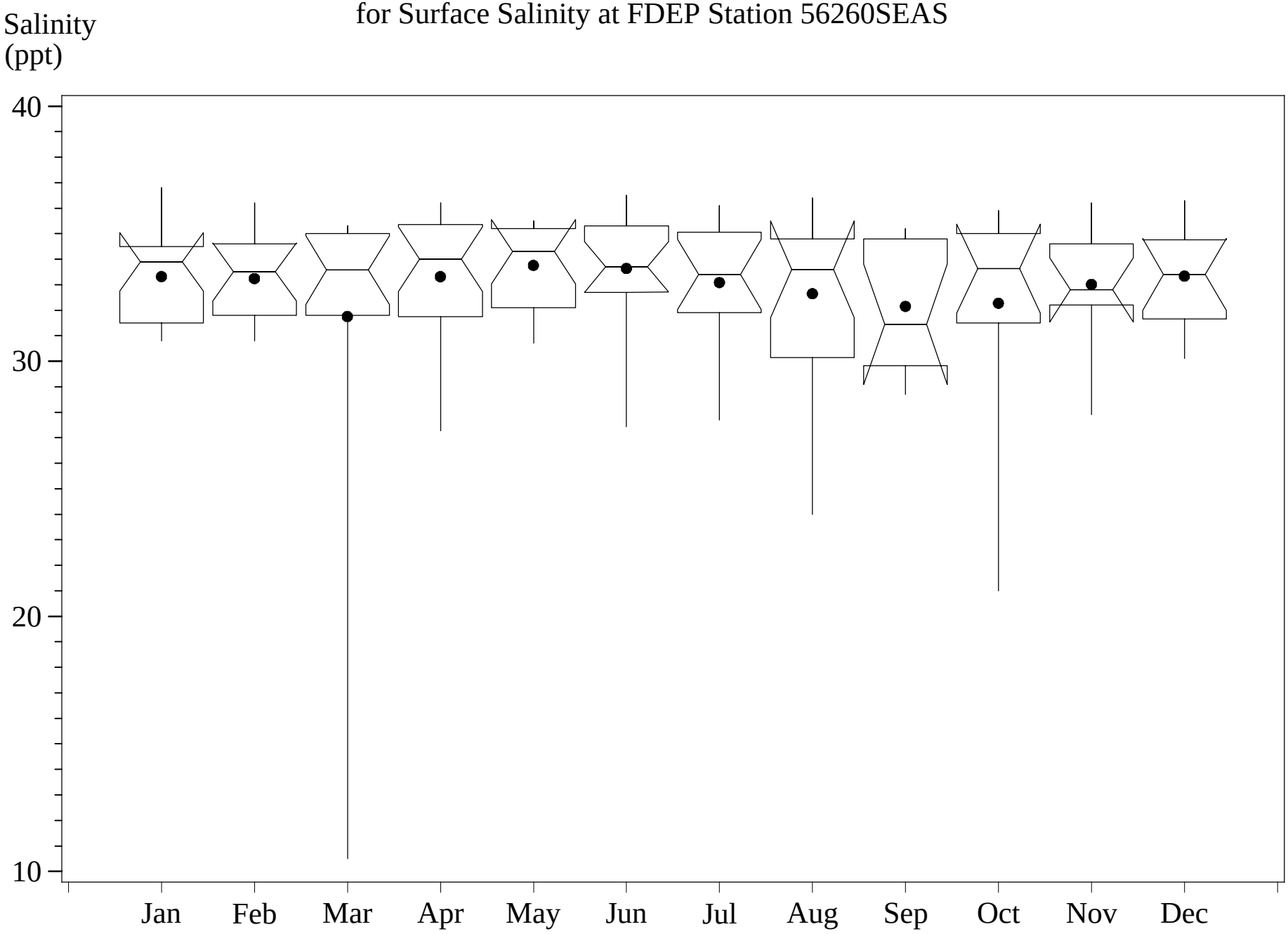
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 469
Monthly Data Time Series
for Surface Salinity at FDEP Station 56260SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 470

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56260SEAS



Lemon Bay Trends Appendix - Display 471

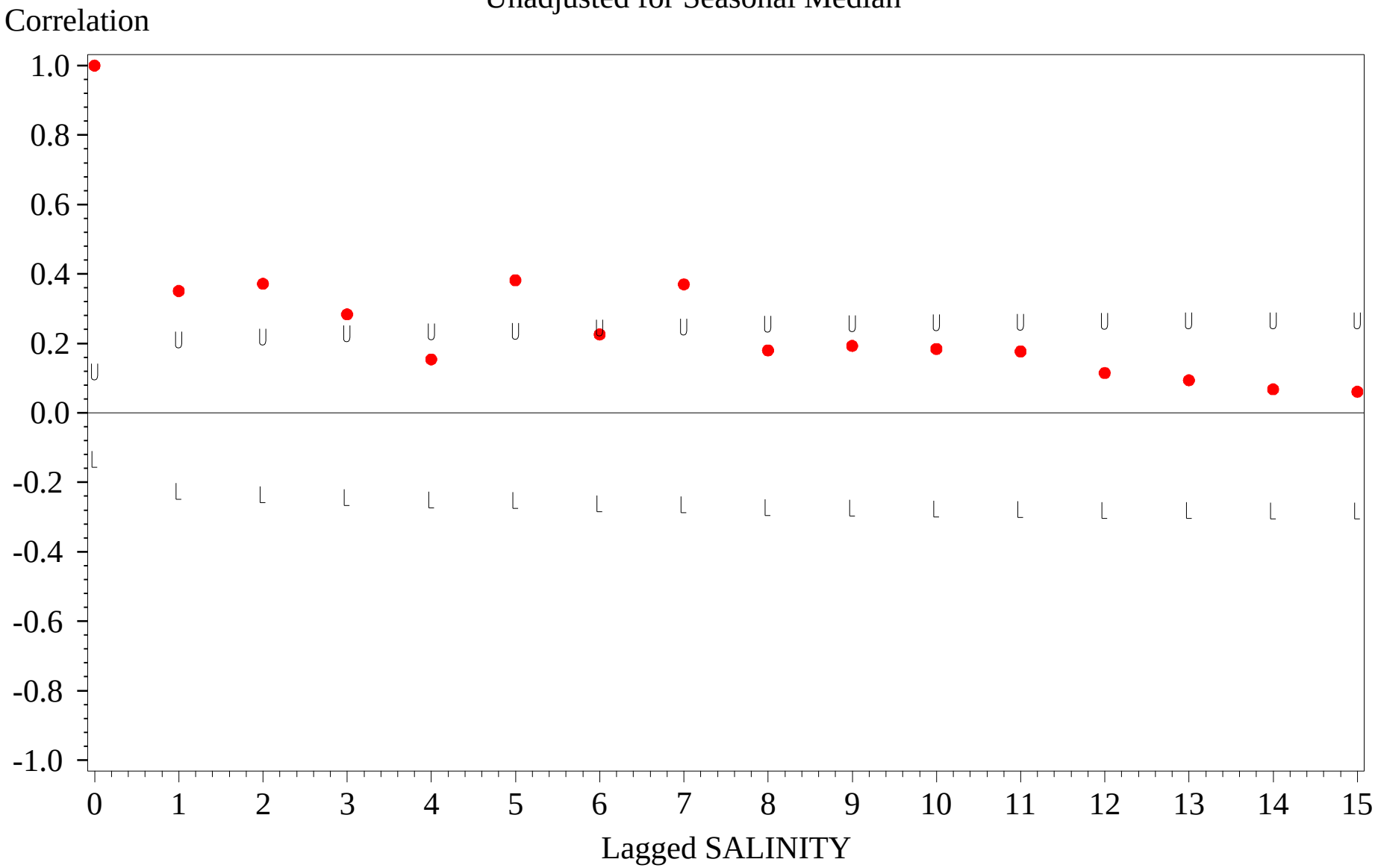
Autocorrelation Statistics for Surface Salinity at FDEP Station 56260SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.351	0.109	0.218	-0.218
2	0.372	0.114	0.227	-0.227
3	0.284	0.118	0.236	-0.236
4	0.154	0.121	0.242	-0.242
5	0.382	0.122	0.243	-0.243
6	0.226	0.126	0.253	-0.253
7	0.370	0.128	0.256	-0.256
8	0.180	0.132	0.264	-0.264
9	0.193	0.133	0.266	-0.266
10	0.184	0.134	0.268	-0.268
11	0.177	0.135	0.270	-0.270
12	0.115	0.136	0.272	-0.272
13	0.094	0.137	0.273	-0.273
14	0.068	0.137	0.274	-0.274
15	0.061	0.137	0.274	-0.274

Lemon Bay Trends Appendix - Display 472
Correlogram for Surface Salinity at FDEP Station 56260SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 473

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56260SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.02	0.744	0.873	0.011

Lemon Bay Trends Appendix - Display 474

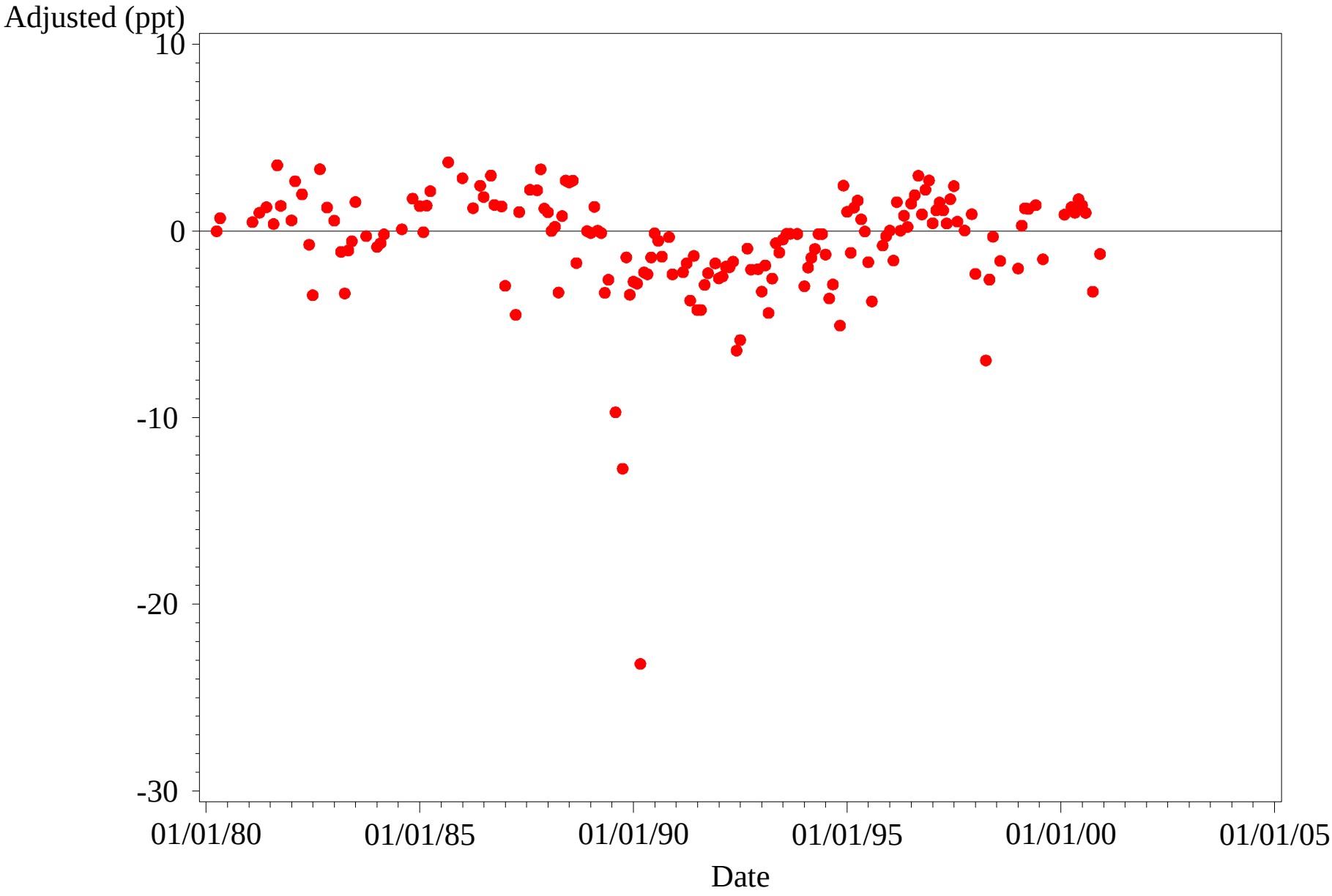
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56260SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.020035	0.74399	0.87260	0.0105

Lemon Bay Trends Appendix - Display 475

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56260SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 476

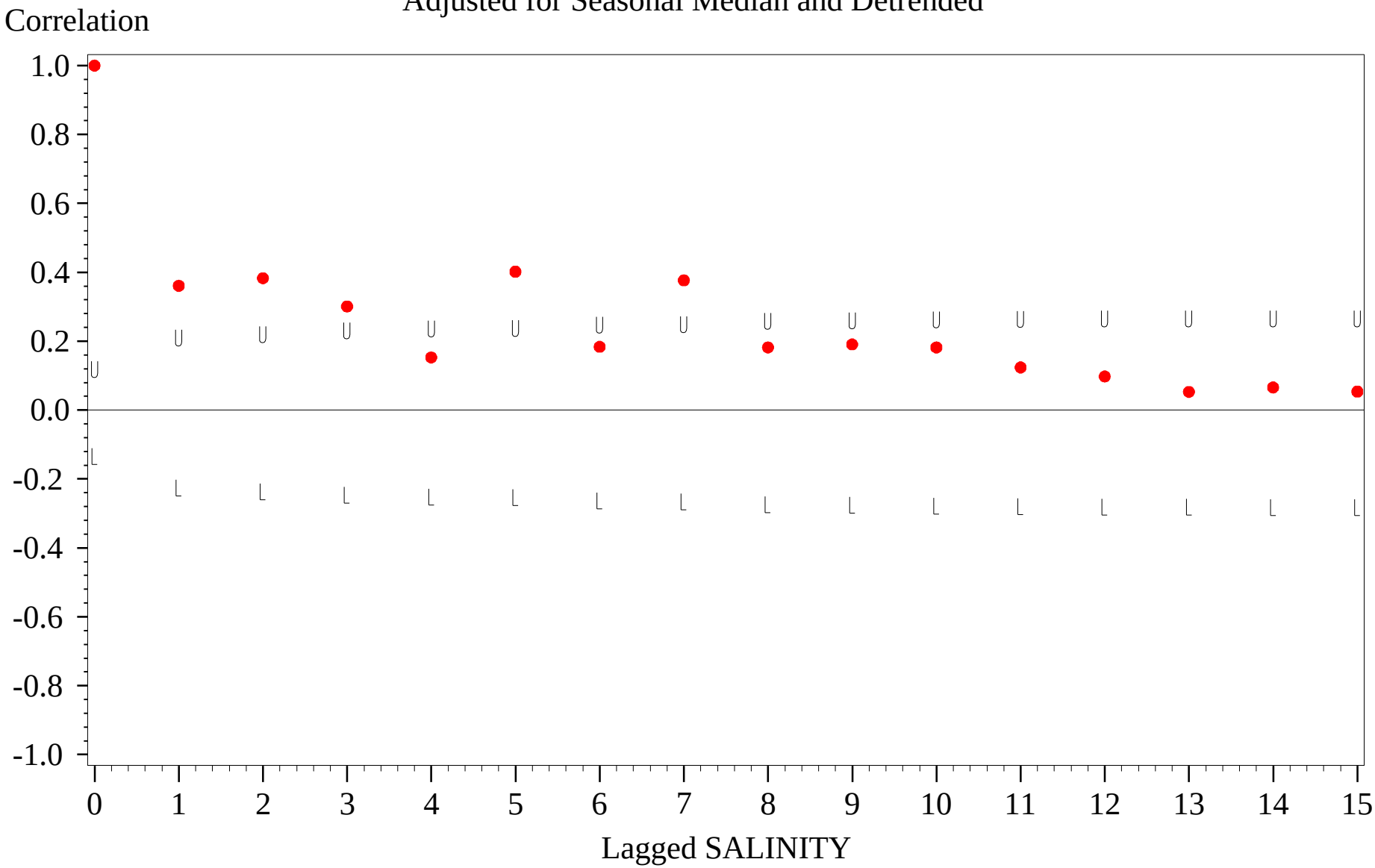
Autocorrelation Statistics for Surface Salinity at FDEP Station 56260SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.361	0.109	0.218	-0.218
2	0.383	0.114	0.228	-0.228
3	0.301	0.119	0.238	-0.238
4	0.153	0.122	0.244	-0.244
5	0.402	0.123	0.245	-0.245
6	0.184	0.128	0.255	-0.255
7	0.377	0.129	0.257	-0.257
8	0.182	0.133	0.266	-0.266
9	0.191	0.134	0.268	-0.268
10	0.182	0.135	0.270	-0.270
11	0.124	0.136	0.272	-0.272
12	0.098	0.136	0.273	-0.273
13	0.053	0.137	0.273	-0.273
14	0.066	0.137	0.274	-0.274
15	0.054	0.137	0.274	-0.274

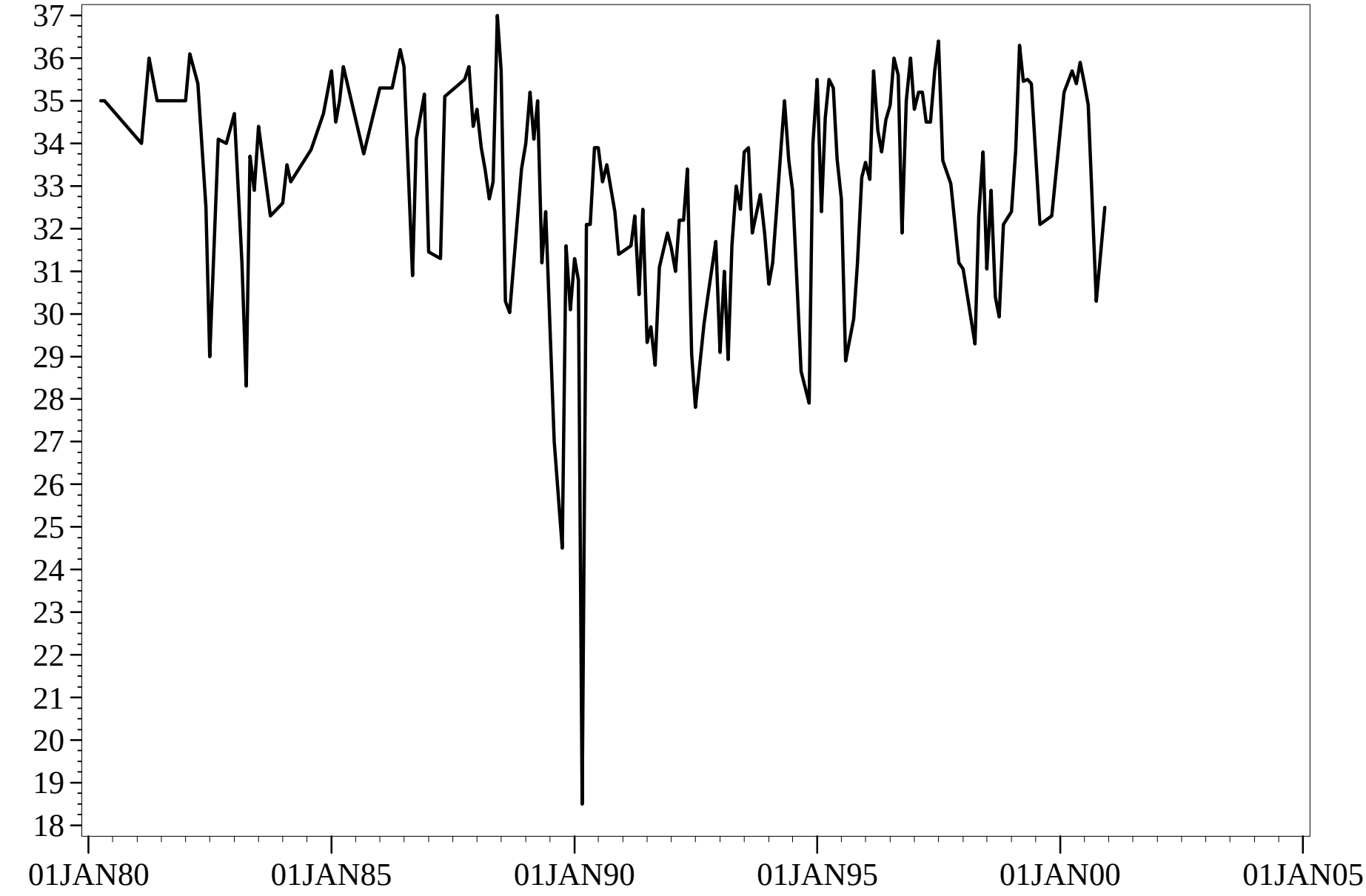
Lemon Bay Trends Appendix - Display 477
Correlogram for Surface Salinity at FDEP Station 56260SEAS

Adjusted for Seasonal Median and Detrended



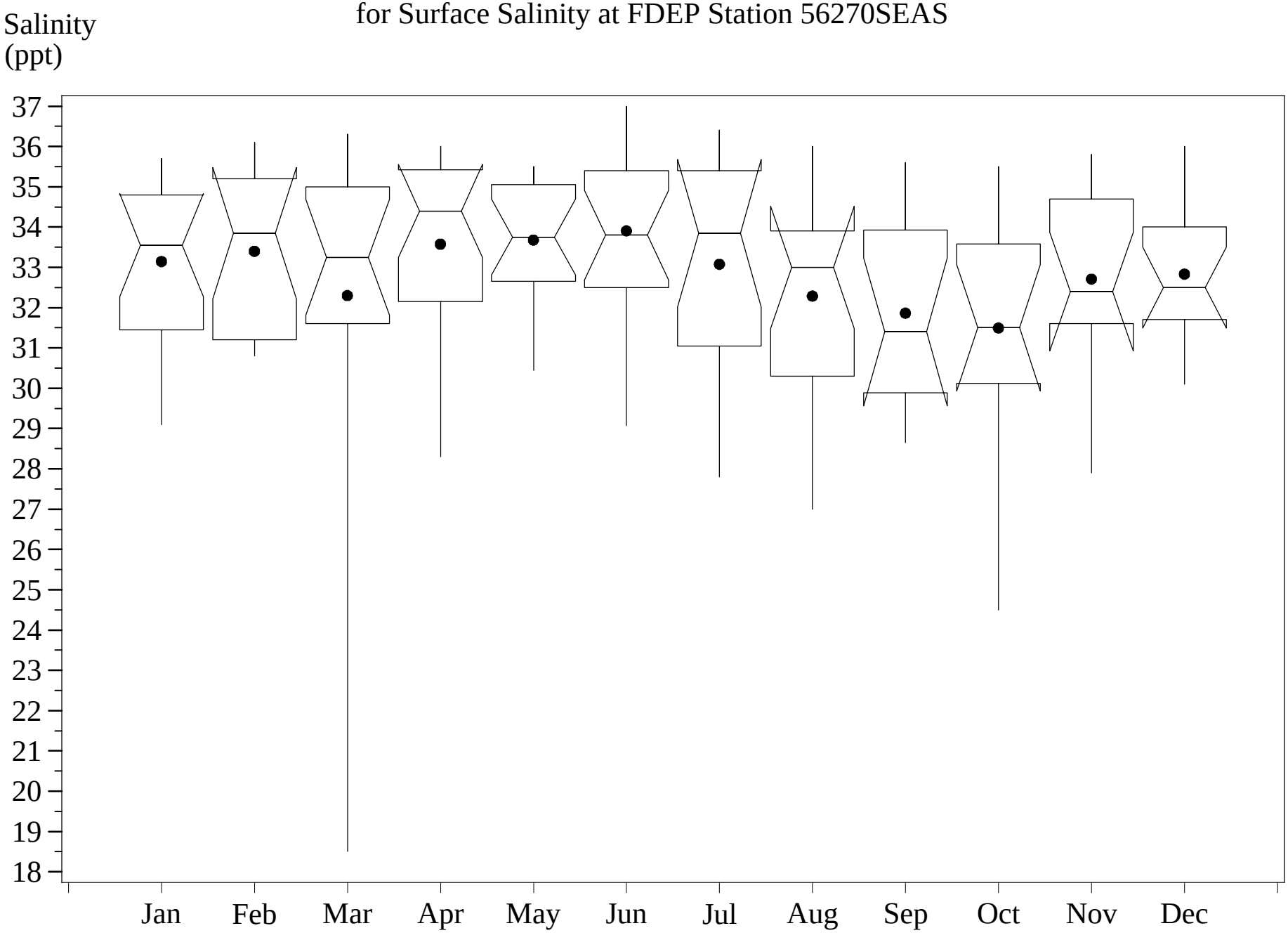
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 478
Monthly Data Time Series
for Surface Salinity at FDEP Station 56270SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 479

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56270SEAS



Lemon Bay Trends Appendix - Display 480

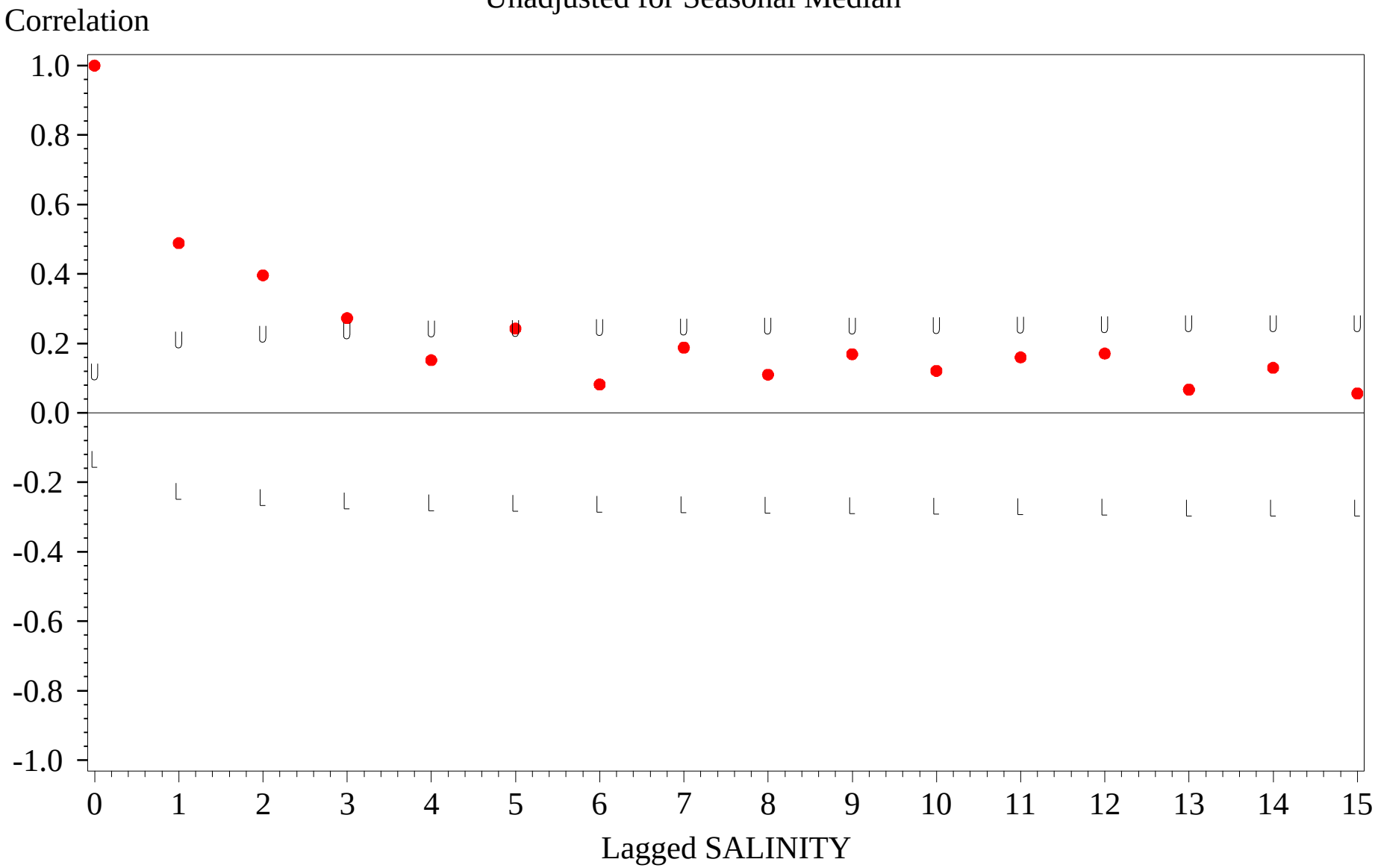
Autocorrelation Statistics for Surface Salinity at FDEP Station 56270SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.489	0.109	0.218	-0.218
2	0.396	0.117	0.235	-0.235
3	0.273	0.123	0.245	-0.245
4	0.152	0.125	0.250	-0.250
5	0.243	0.126	0.252	-0.252
6	0.082	0.128	0.255	-0.255
7	0.188	0.128	0.256	-0.256
8	0.110	0.129	0.258	-0.258
9	0.169	0.129	0.259	-0.259
10	0.121	0.130	0.260	-0.260
11	0.160	0.131	0.261	-0.261
12	0.171	0.131	0.263	-0.263
13	0.067	0.132	0.265	-0.265
14	0.130	0.132	0.265	-0.265
15	0.056	0.133	0.266	-0.266

Lemon Bay Trends Appendix - Display 481
Correlogram for Surface Salinity at FDEP Station 56270SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 482

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56270SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-.008	0.897	0.946	-.005

Lemon Bay Trends Appendix - Display 483

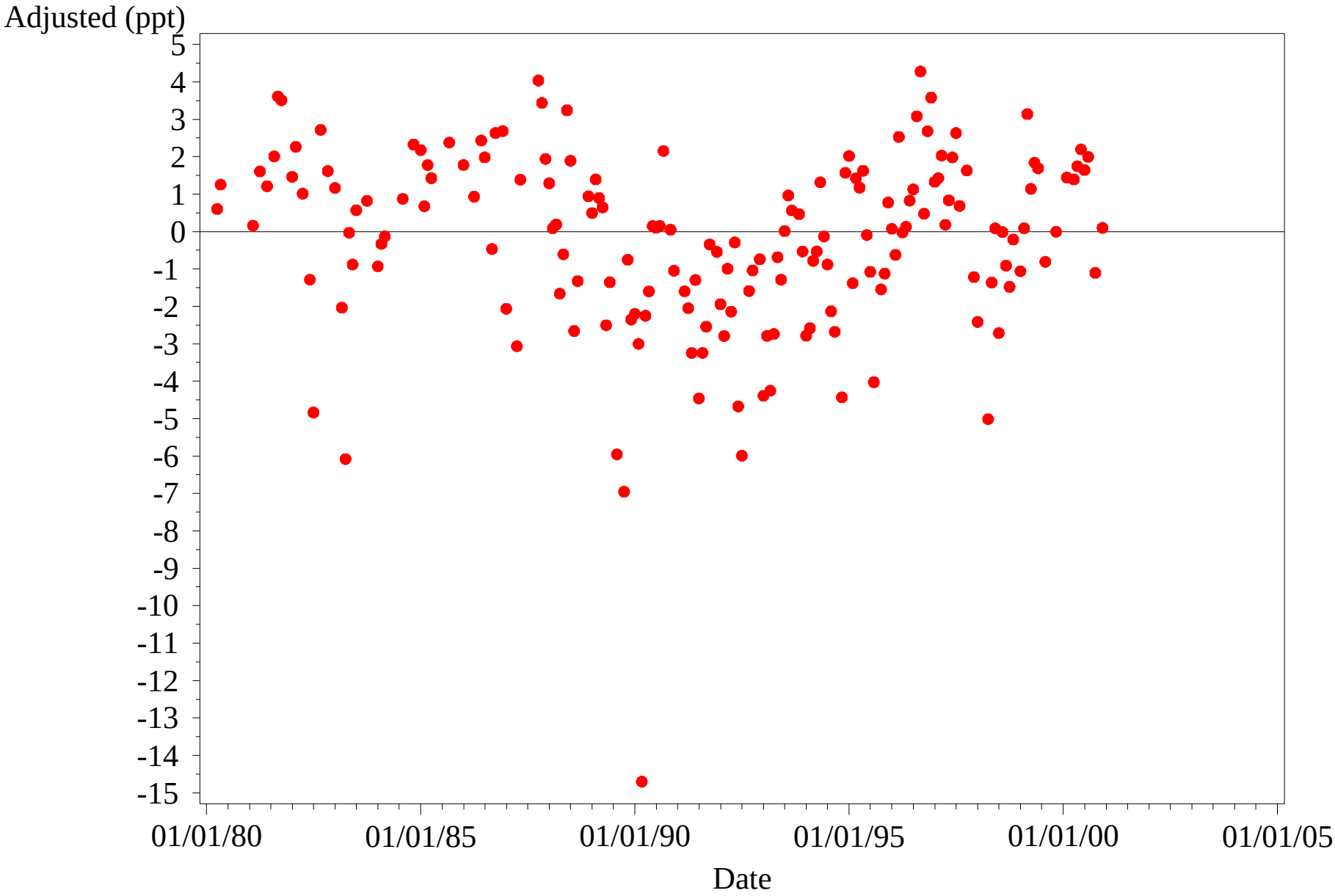
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56270SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-.00816326	0.89750	0.94628	-.00454545

Lemon Bay Trends Appendix - Display 484

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56270SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 485

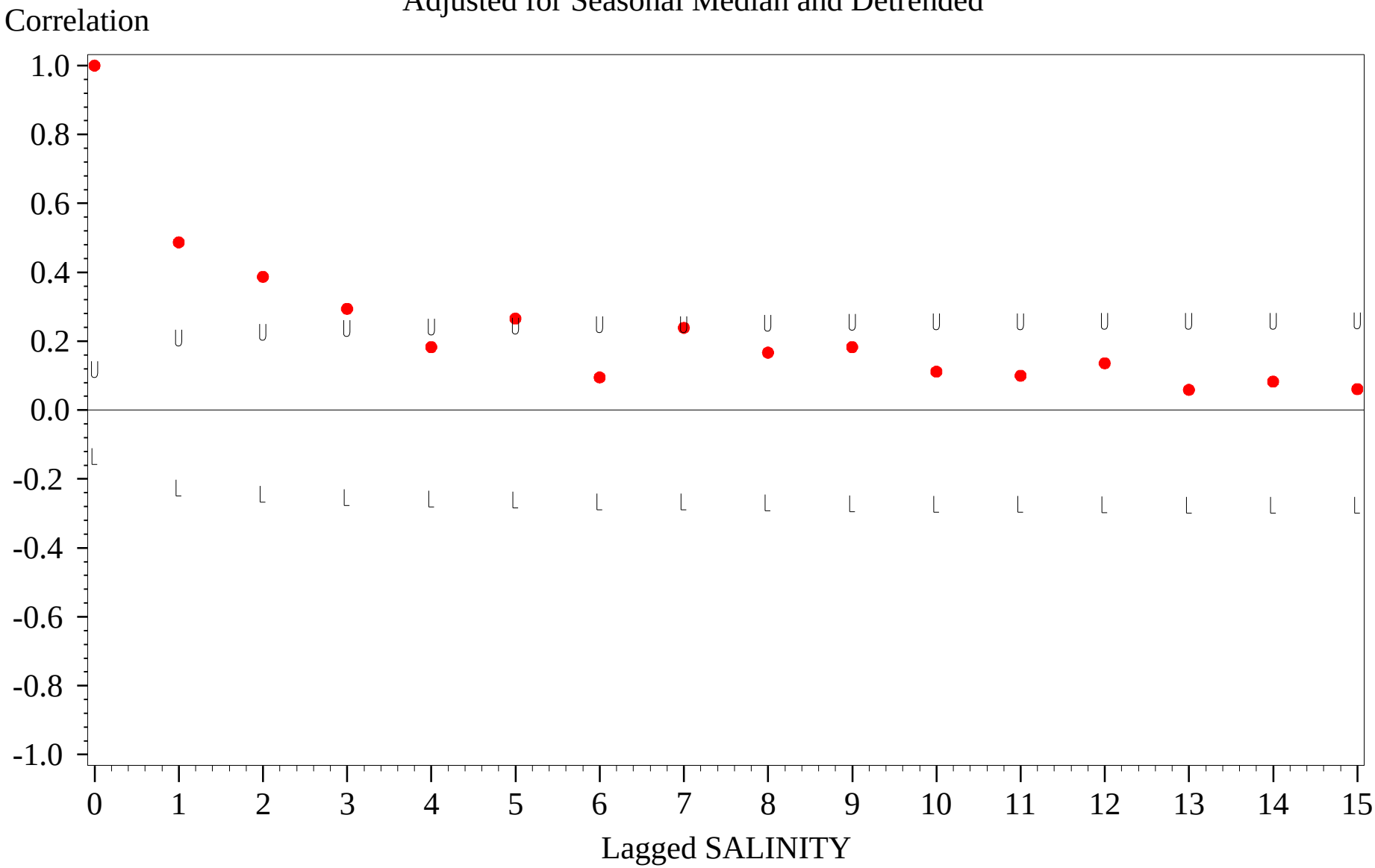
Autocorrelation Statistics for Surface Salinity at FDEP Station 56270SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.487	0.109	0.218	-0.218
2	0.387	0.117	0.235	-0.235
3	0.294	0.122	0.245	-0.245
4	0.183	0.125	0.250	-0.250
5	0.266	0.126	0.252	-0.252
6	0.095	0.128	0.257	-0.257
7	0.239	0.129	0.257	-0.257
8	0.167	0.130	0.261	-0.261
9	0.183	0.131	0.263	-0.263
10	0.112	0.132	0.265	-0.265
11	0.100	0.133	0.265	-0.265
12	0.136	0.133	0.266	-0.266
13	0.059	0.133	0.267	-0.267
14	0.083	0.134	0.267	-0.267
15	0.061	0.134	0.268	-0.268

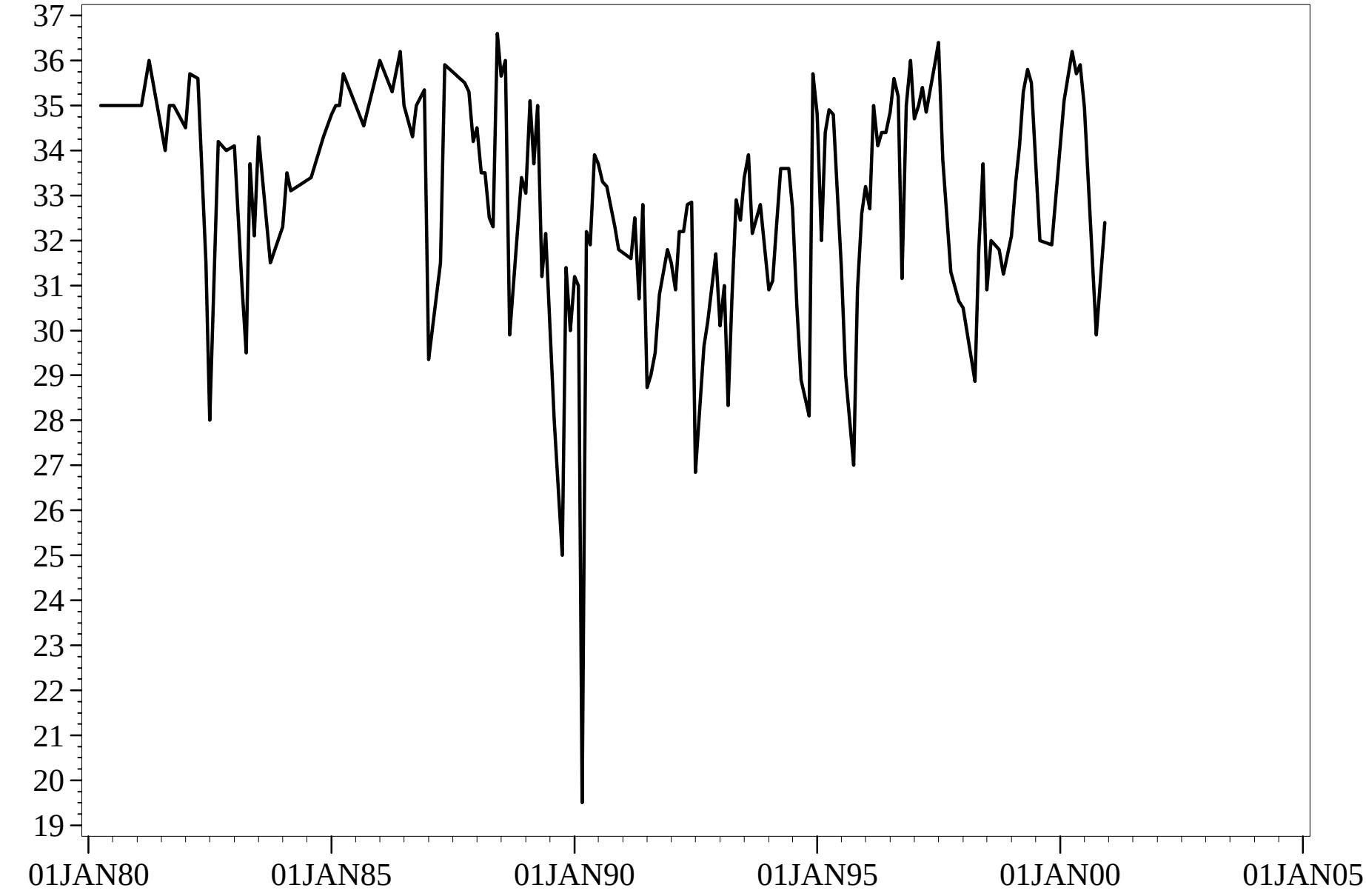
Lemon Bay Trends Appendix - Display 486
Correlogram for Surface Salinity at FDEP Station 56270SEAS

Adjusted for Seasonal Median and Detrended



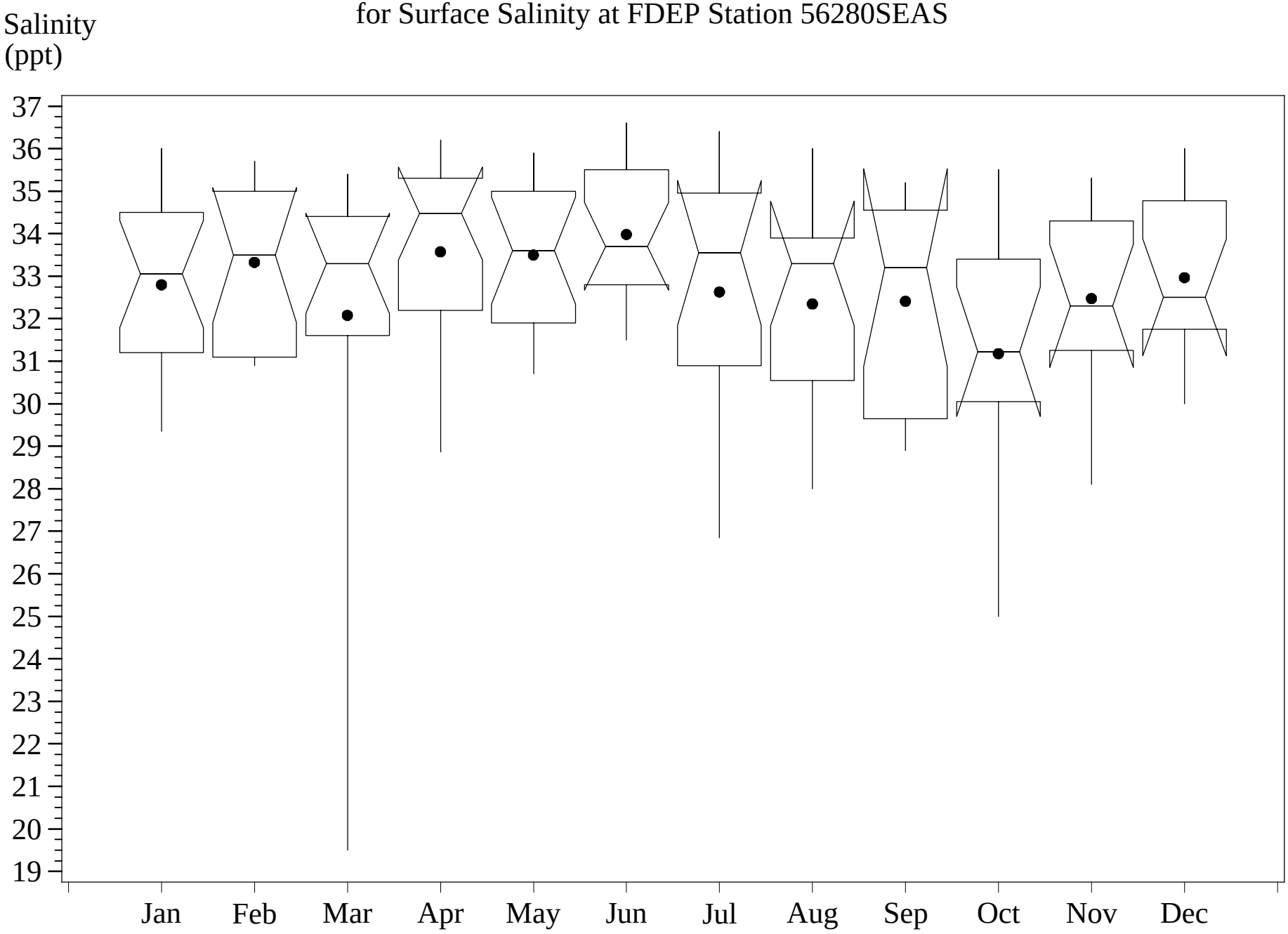
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 487
Monthly Data Time Series
for Surface Salinity at FDEP Station 56280SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 488

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56280SEAS



Lemon Bay Trends Appendix - Display 489

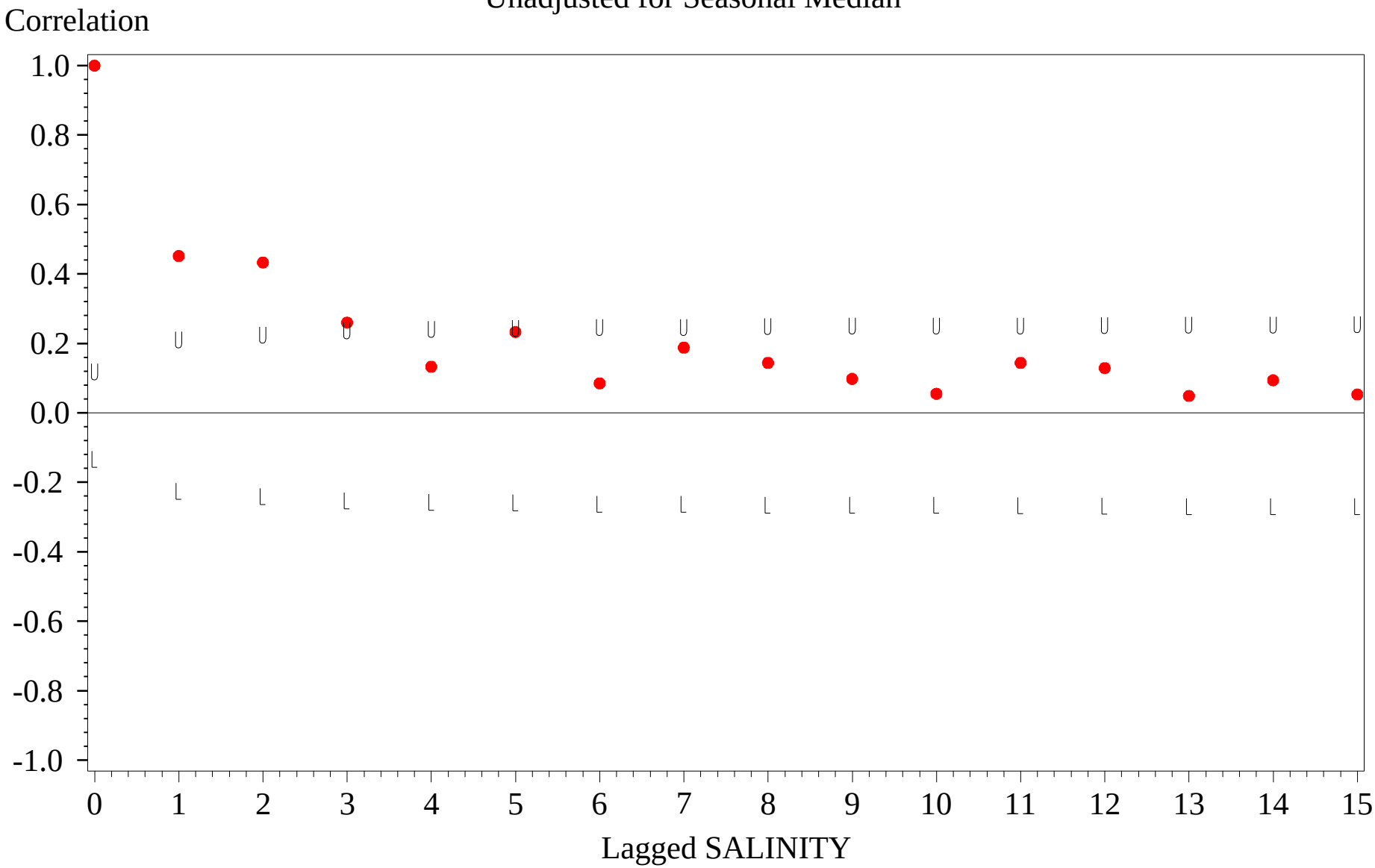
Autocorrelation Statistics for Surface Salinity at FDEP Station 56280SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.452	0.109	0.218	-0.218
2	0.433	0.116	0.233	-0.233
3	0.260	0.123	0.245	-0.245
4	0.133	0.125	0.249	-0.249
5	0.233	0.125	0.251	-0.251
6	0.085	0.127	0.254	-0.254
7	0.188	0.127	0.254	-0.254
8	0.144	0.128	0.257	-0.257
9	0.098	0.129	0.258	-0.258
10	0.055	0.129	0.258	-0.258
11	0.144	0.129	0.259	-0.259
12	0.129	0.130	0.260	-0.260
13	0.049	0.130	0.261	-0.261
14	0.094	0.131	0.261	-0.261
15	0.053	0.131	0.262	-0.262

Lemon Bay Trends Appendix - Display 490
Correlogram for Surface Salinity at FDEP Station 56280SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 491

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56280SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.022	0.713	0.842	-.008

Lemon Bay Trends Appendix - Display 492

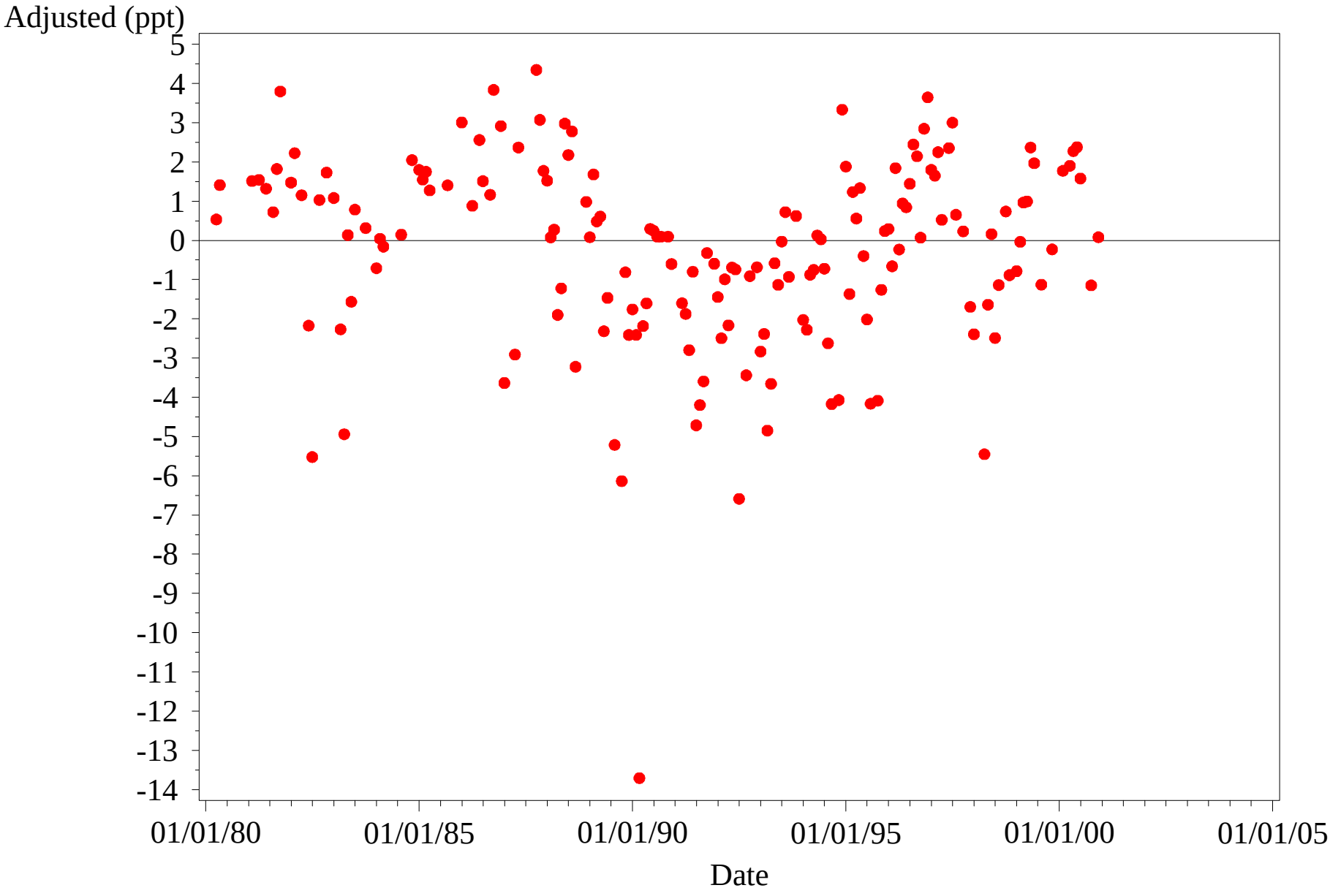
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56280SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.022147	0.71296	0.8423	-.00833333

Lemon Bay Trends Appendix - Display 493

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56280SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 494

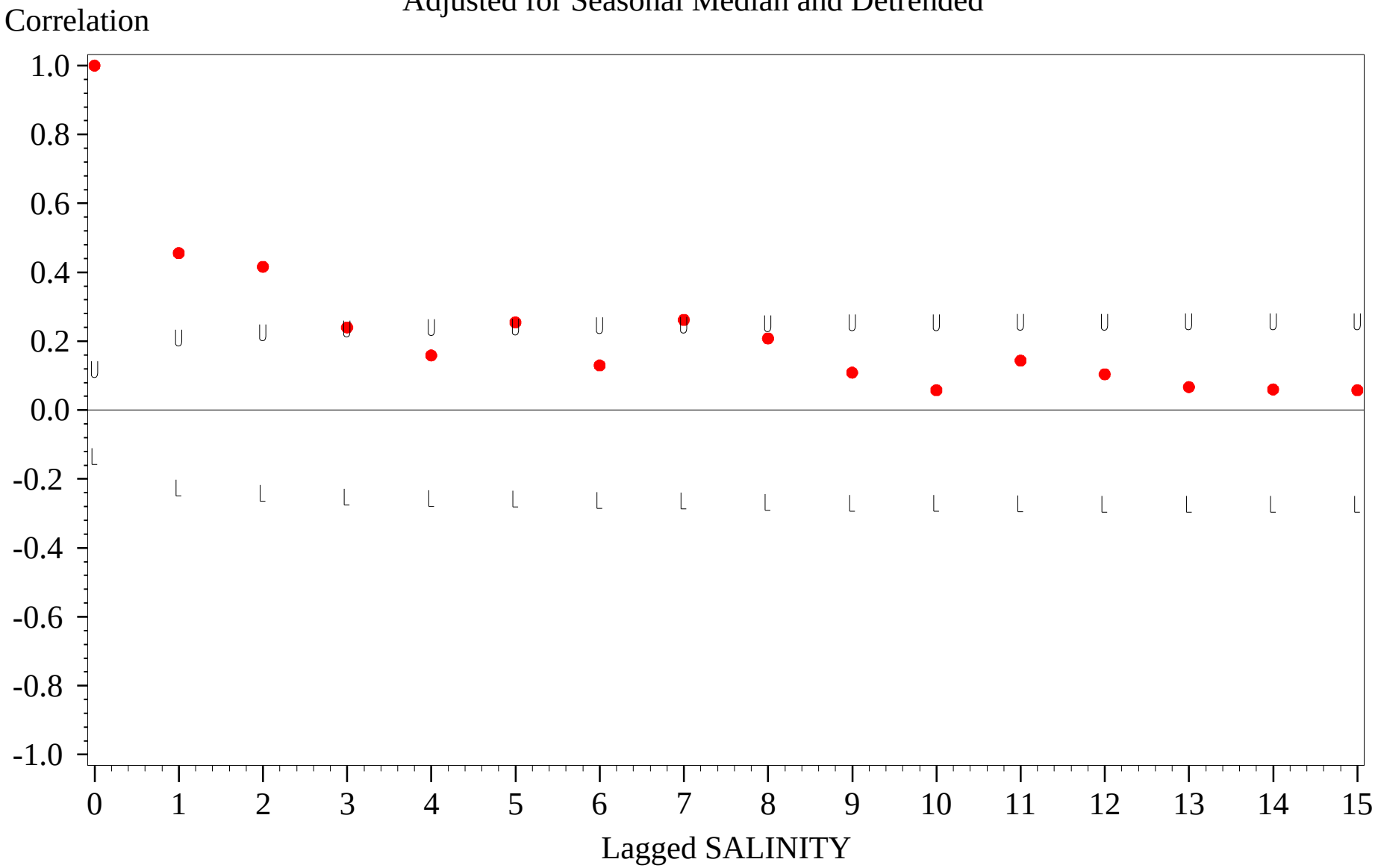
Autocorrelation Statistics for Surface Salinity at FDEP Station 56280SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.456	0.109	0.218	-0.218
2	0.416	0.116	0.233	-0.233
3	0.240	0.122	0.244	-0.244
4	0.159	0.124	0.248	-0.248
5	0.255	0.125	0.250	-0.250
6	0.130	0.127	0.254	-0.254
7	0.262	0.127	0.255	-0.255
8	0.208	0.130	0.259	-0.259
9	0.109	0.131	0.262	-0.262
10	0.058	0.131	0.262	-0.262
11	0.144	0.131	0.263	-0.263
12	0.104	0.132	0.264	-0.264
13	0.067	0.132	0.265	-0.265
14	0.060	0.132	0.265	-0.265
15	0.058	0.133	0.265	-0.265

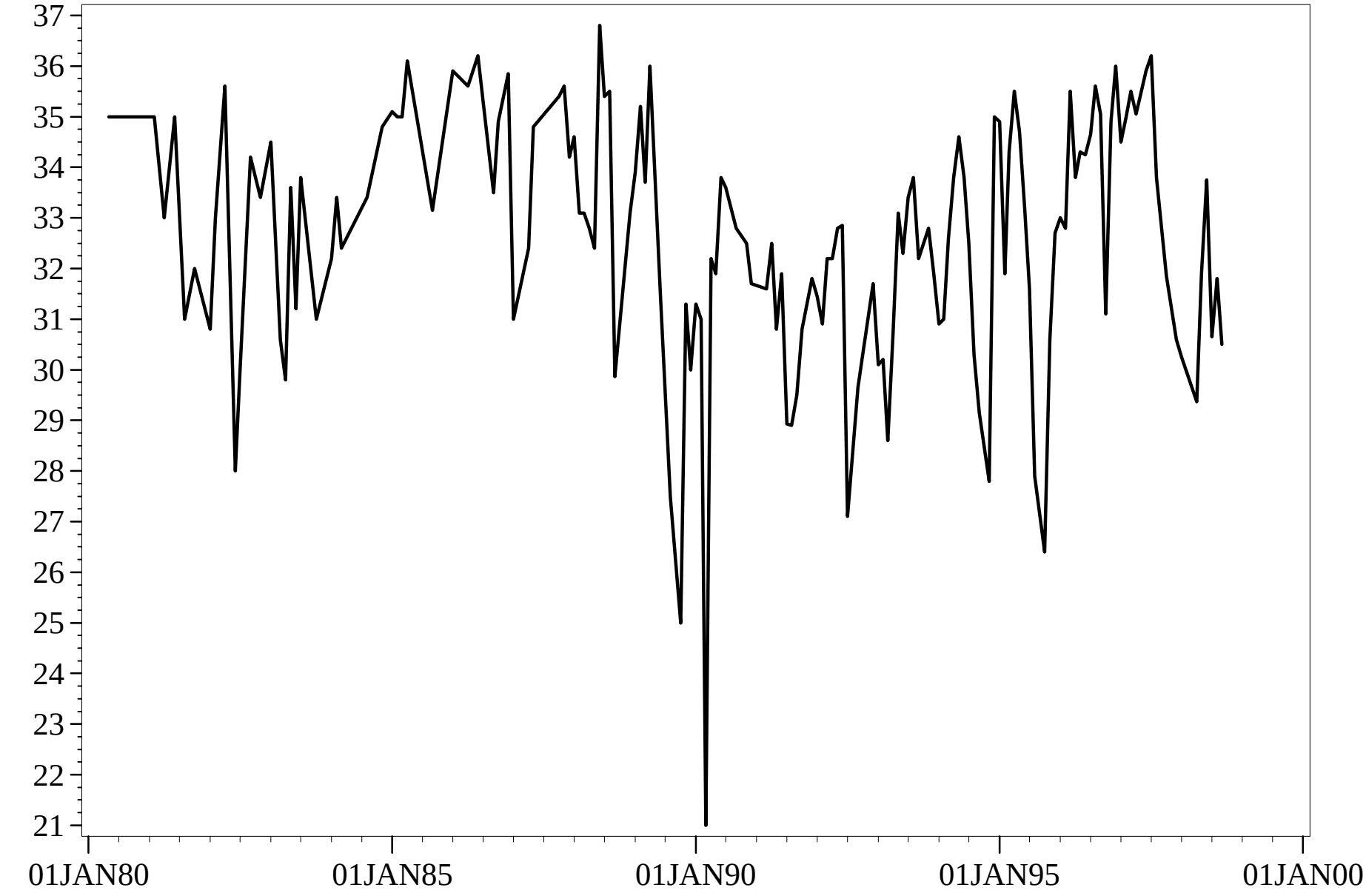
Lemon Bay Trends Appendix - Display 495
Correlogram for Surface Salinity at FDEP Station 56280SEAS

Adjusted for Seasonal Median and Detrended



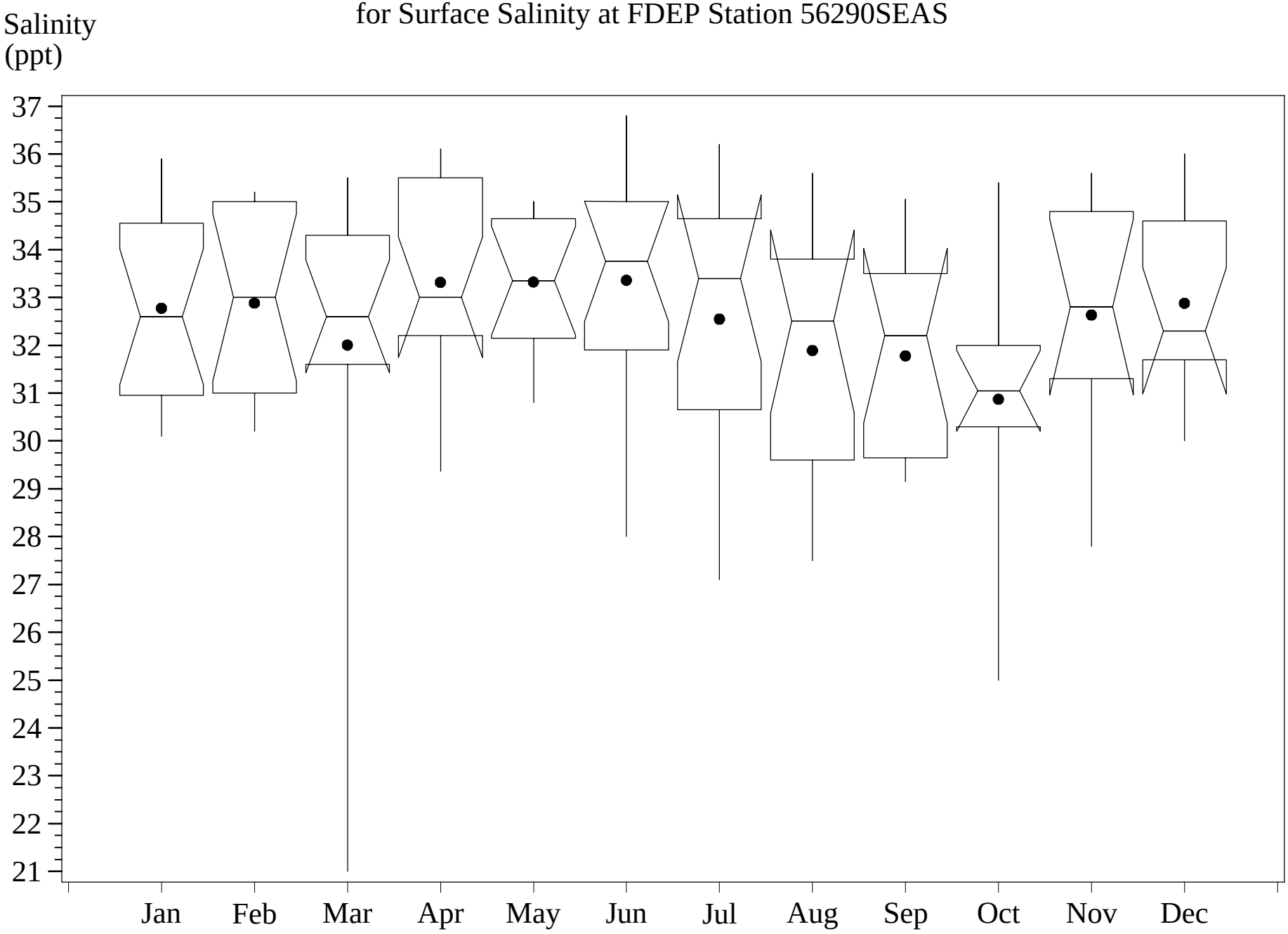
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 496
Monthly Data Time Series
for Surface Salinity at FDEP Station 56290SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 497

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 56290SEAS



Lemon Bay Trends Appendix - Display 498

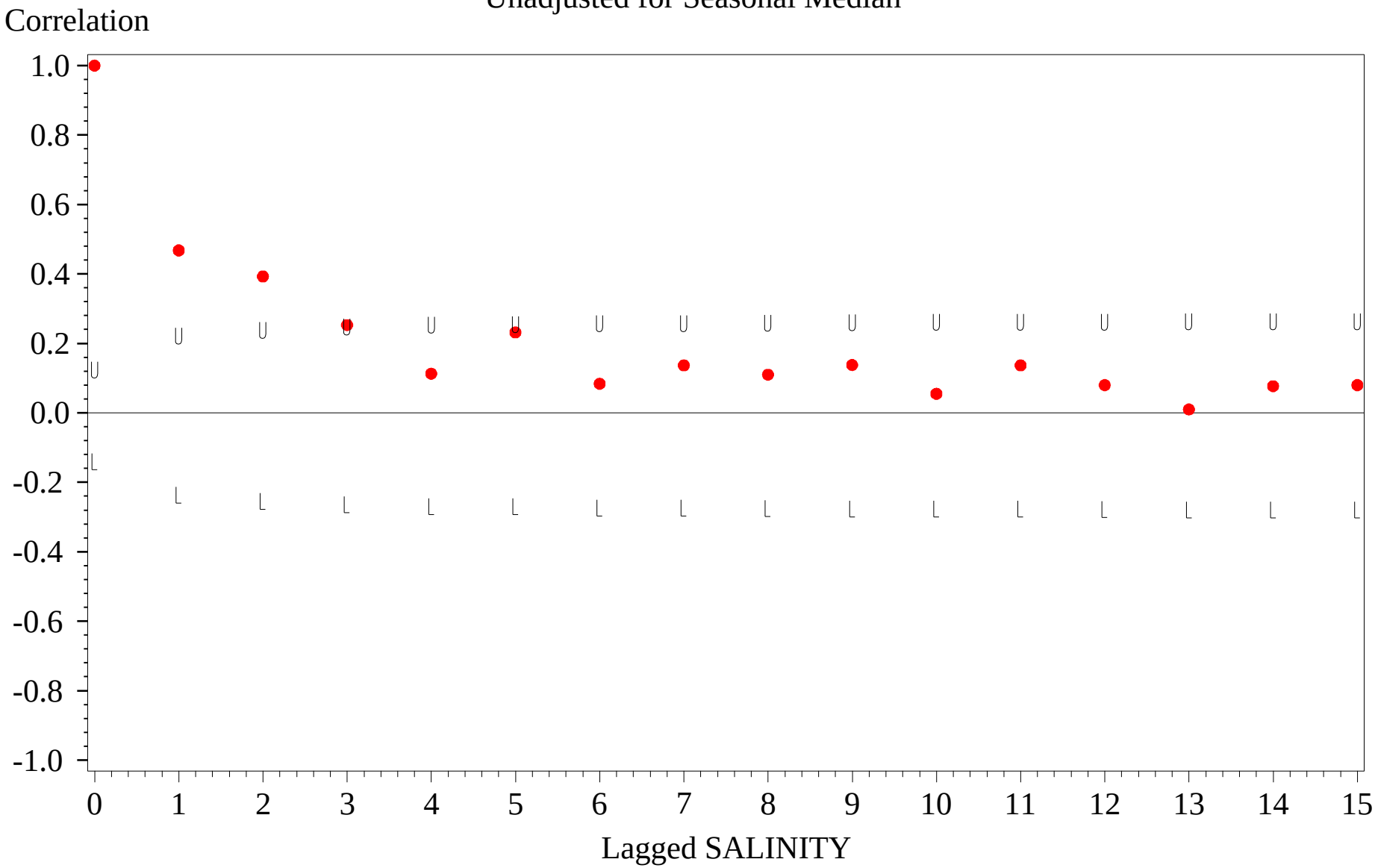
Autocorrelation Statistics for Surface Salinity at FDEP Station 56290SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.468	0.115	0.229	-0.229
2	0.393	0.123	0.246	-0.246
3	0.253	0.128	0.256	-0.256
4	0.113	0.130	0.261	-0.261
5	0.232	0.131	0.262	-0.262
6	0.084	0.133	0.265	-0.265
7	0.137	0.133	0.266	-0.266
8	0.110	0.133	0.267	-0.267
9	0.138	0.134	0.268	-0.268
10	0.055	0.134	0.269	-0.269
11	0.137	0.135	0.269	-0.269
12	0.080	0.135	0.270	-0.270
13	0.010	0.135	0.271	-0.271
14	0.077	0.135	0.271	-0.271
15	0.080	0.136	0.271	-0.271

Lemon Bay Trends Appendix - Display 499
Correlogram for Surface Salinity at FDEP Station 56290SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 500

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56290SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.052	0.413	0.659	-0.029

Lemon Bay Trends Appendix - Display 501

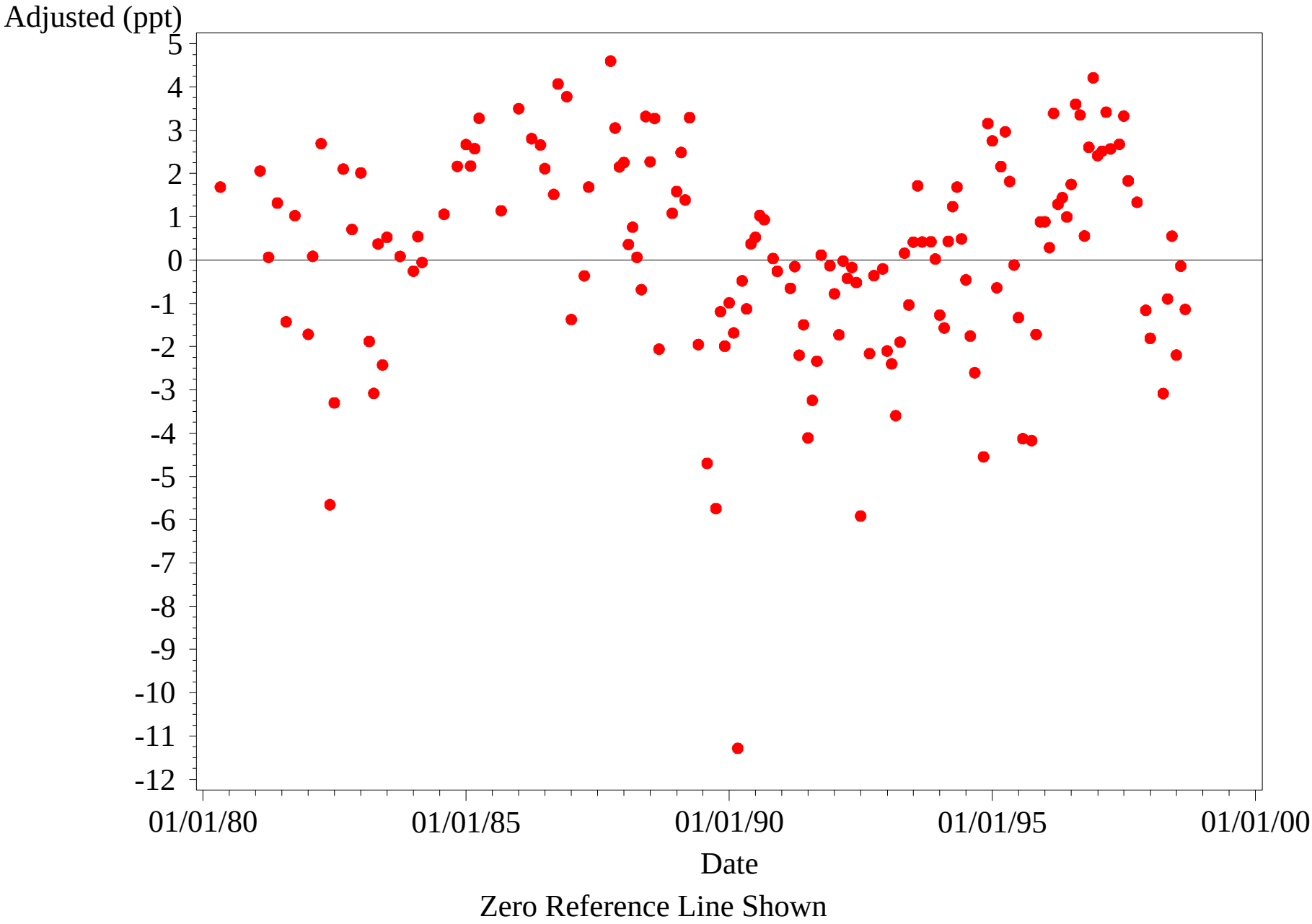
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 56290SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.051669	0.41350	0.6593	-0.028571

Lemon Bay Trends Appendix - Display 502

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 56290SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 503

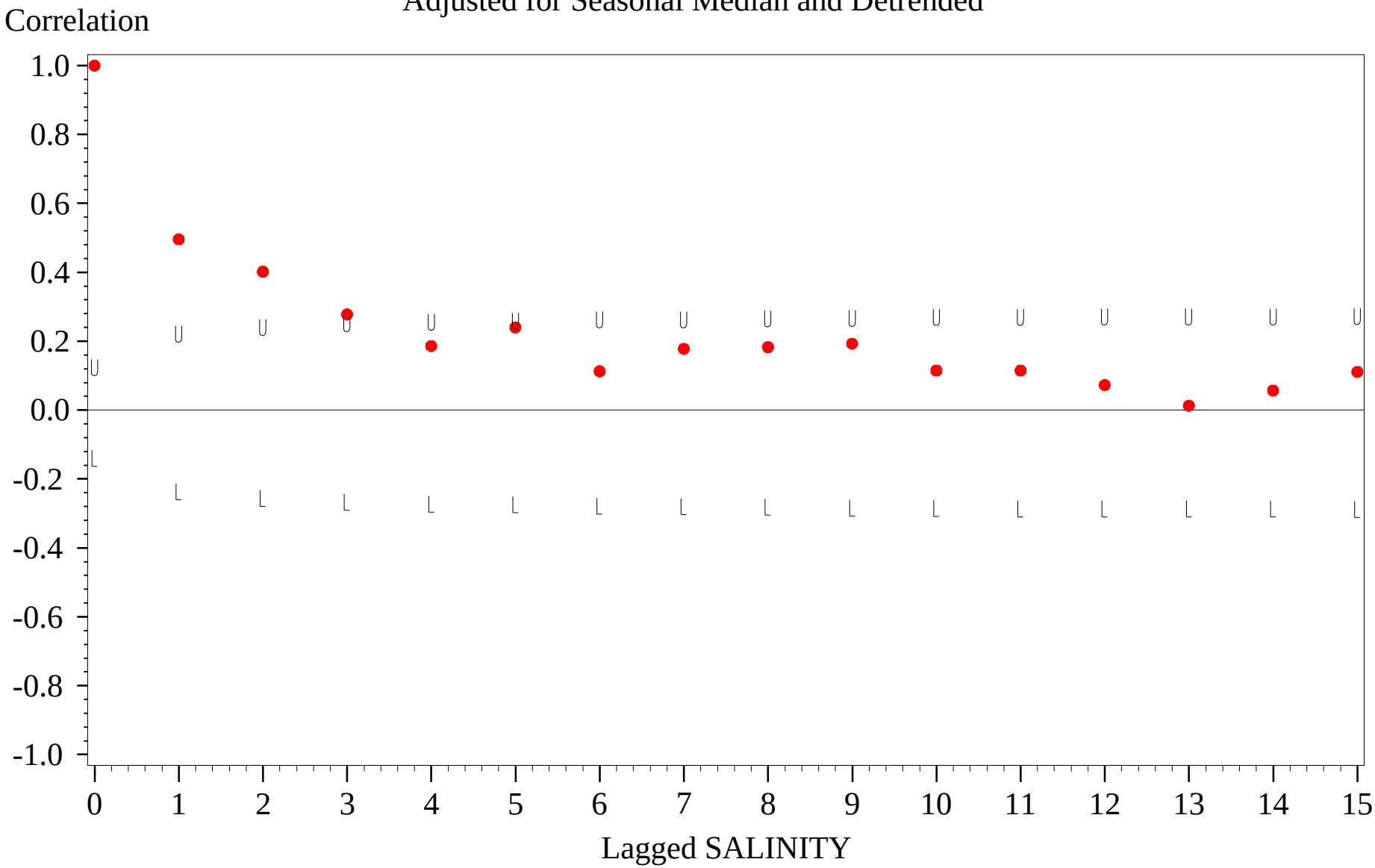
Autocorrelation Statistics for Surface Salinity at FDEP Station 56290SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.496	0.115	0.229	-0.229
2	0.402	0.124	0.248	-0.248
3	0.278	0.129	0.259	-0.259
4	0.186	0.132	0.264	-0.264
5	0.240	0.133	0.266	-0.266
6	0.113	0.135	0.270	-0.270
7	0.178	0.135	0.271	-0.271
8	0.183	0.136	0.273	-0.273
9	0.193	0.137	0.275	-0.275
10	0.115	0.139	0.277	-0.277
11	0.115	0.139	0.278	-0.278
12	0.073	0.140	0.279	-0.279
13	0.013	0.140	0.279	-0.279
14	0.057	0.140	0.279	-0.279
15	0.111	0.140	0.280	-0.280

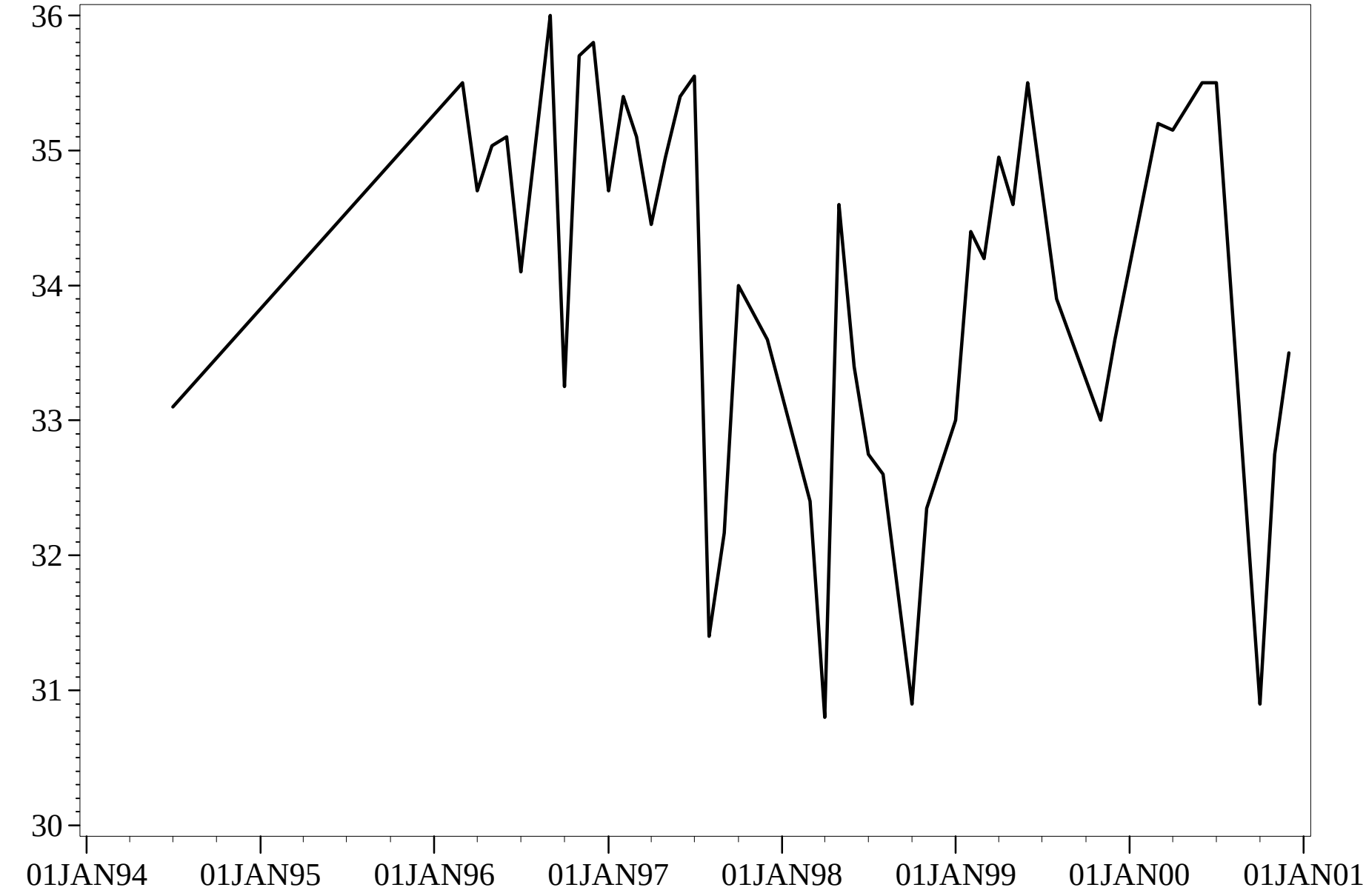
Lemon Bay Trends Appendix - Display 504
Correlogram for Surface Salinity at FDEP Station 56290SEAS

Adjusted for Seasonal Median and Detrended



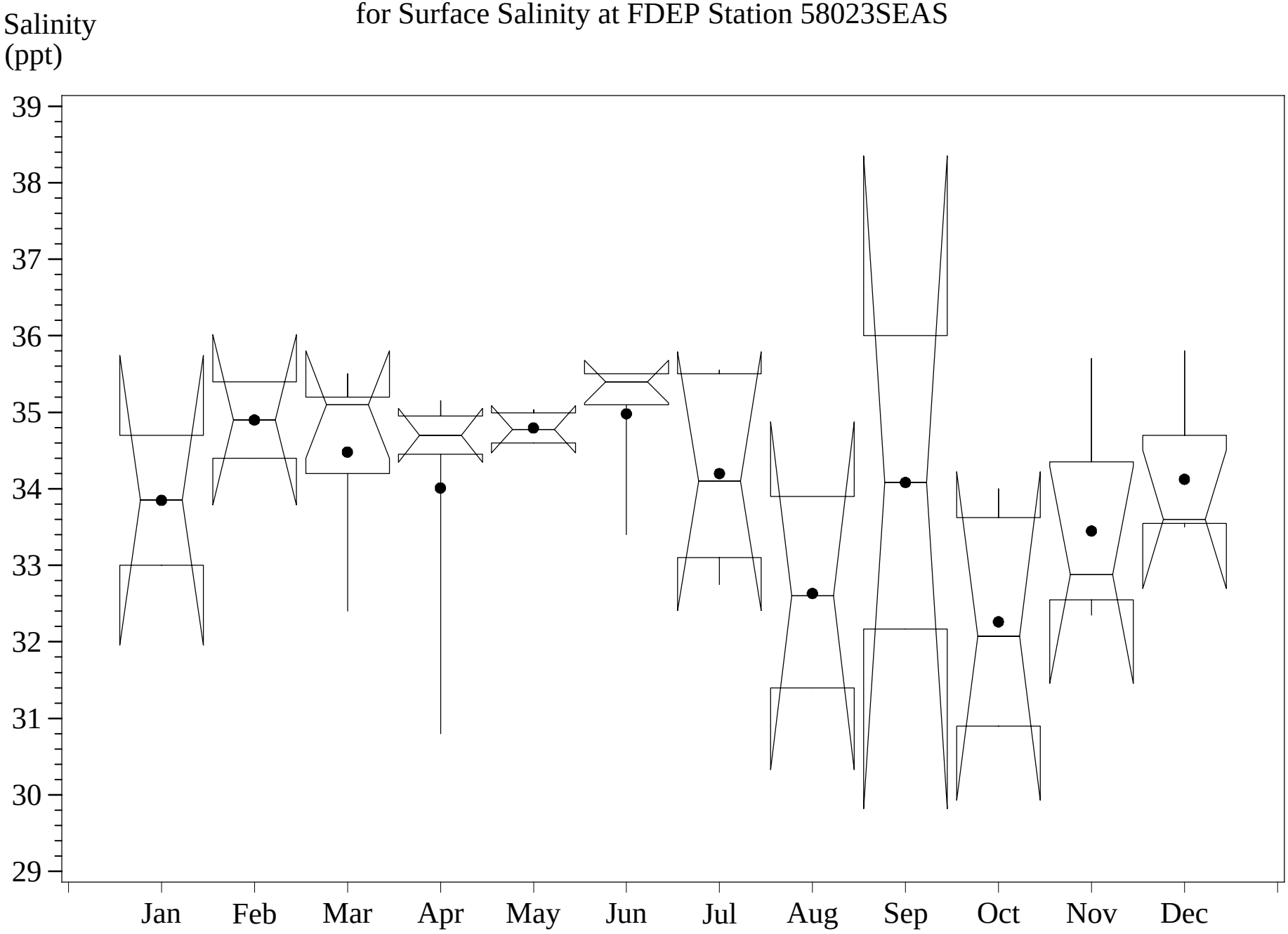
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 505
Monthly Data Time Series
for Surface Salinity at FDEP Station 58023SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 506

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 58023SEAS



Lemon Bay Trends Appendix - Display 507

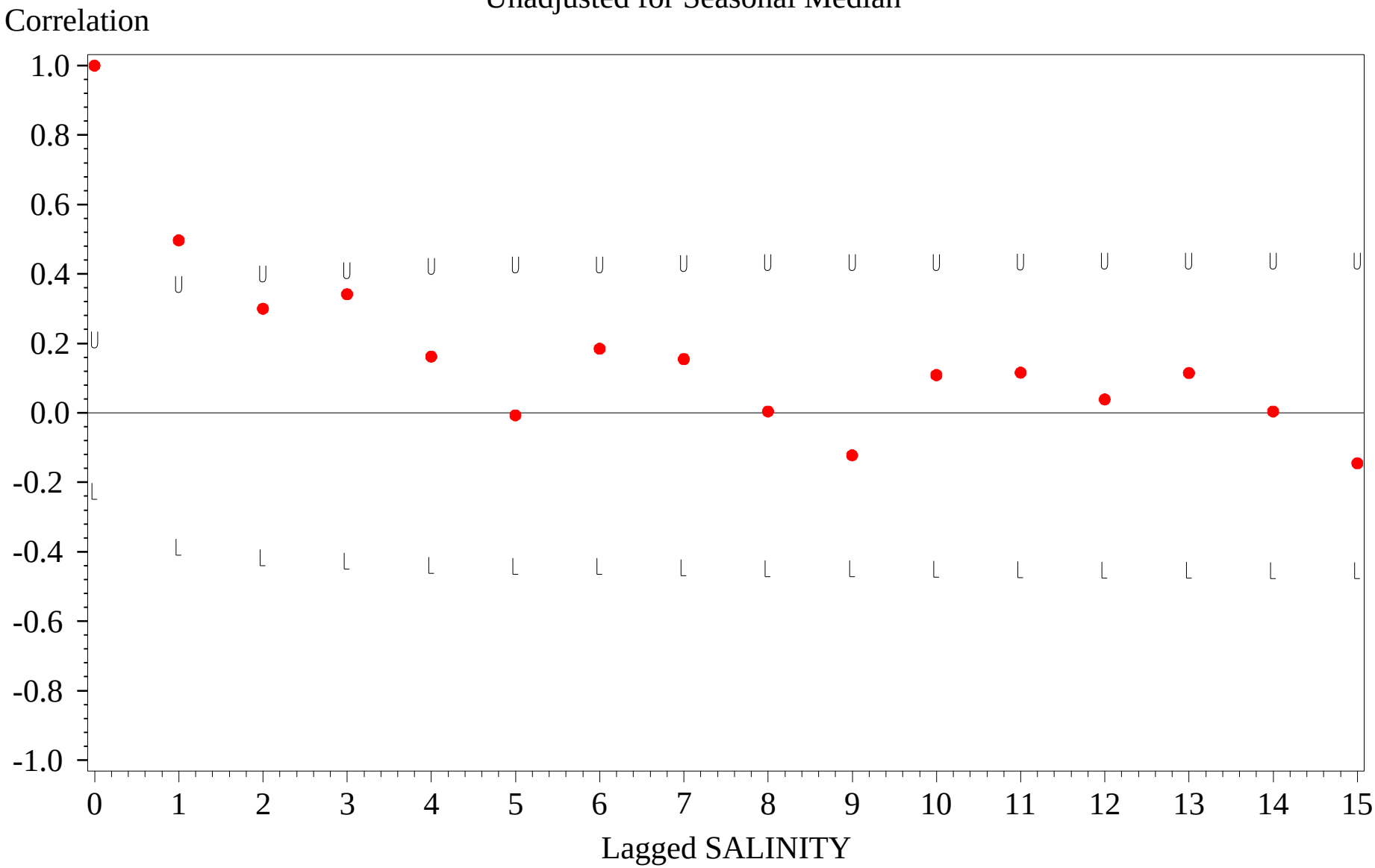
Autocorrelation Statistics for Surface Salinity at FDEP Station 58023SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.109	0.218	-0.218
1	0.497	0.189	0.378	-0.378
2	0.300	0.204	0.408	-0.408
3	0.342	0.209	0.418	-0.418
4	0.162	0.216	0.431	-0.431
5	-0.007	0.217	0.434	-0.434
6	0.185	0.217	0.434	-0.434
7	0.155	0.219	0.438	-0.438
8	0.004	0.220	0.441	-0.441
9	-0.122	0.220	0.441	-0.441
10	0.109	0.221	0.442	-0.442
11	0.116	0.222	0.443	-0.443
12	0.039	0.222	0.445	-0.445
13	0.115	0.223	0.445	-0.445
14	0.004	0.223	0.446	-0.446
15	-0.145	0.223	0.446	-0.446

Lemon Bay Trends Appendix - Display 508
Correlogram for Surface Salinity at FDEP Station 58023SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 509

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58023SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.086	0.624	0.772	-0.025

Lemon Bay Trends Appendix - Display 510

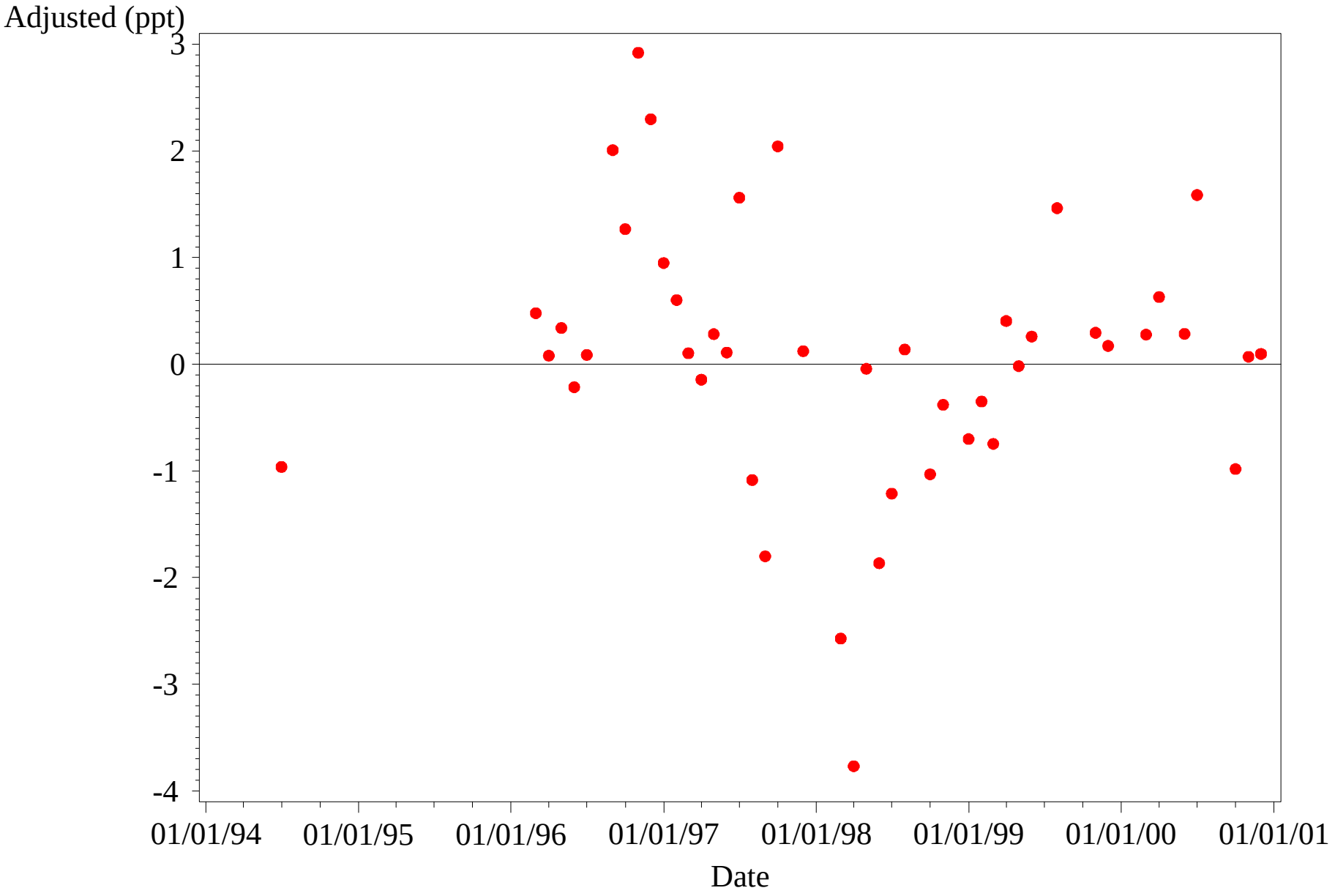
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58023SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.085714	0.62393	0.77209	-0.025

Lemon Bay Trends Appendix - Display 511

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 58023SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 512

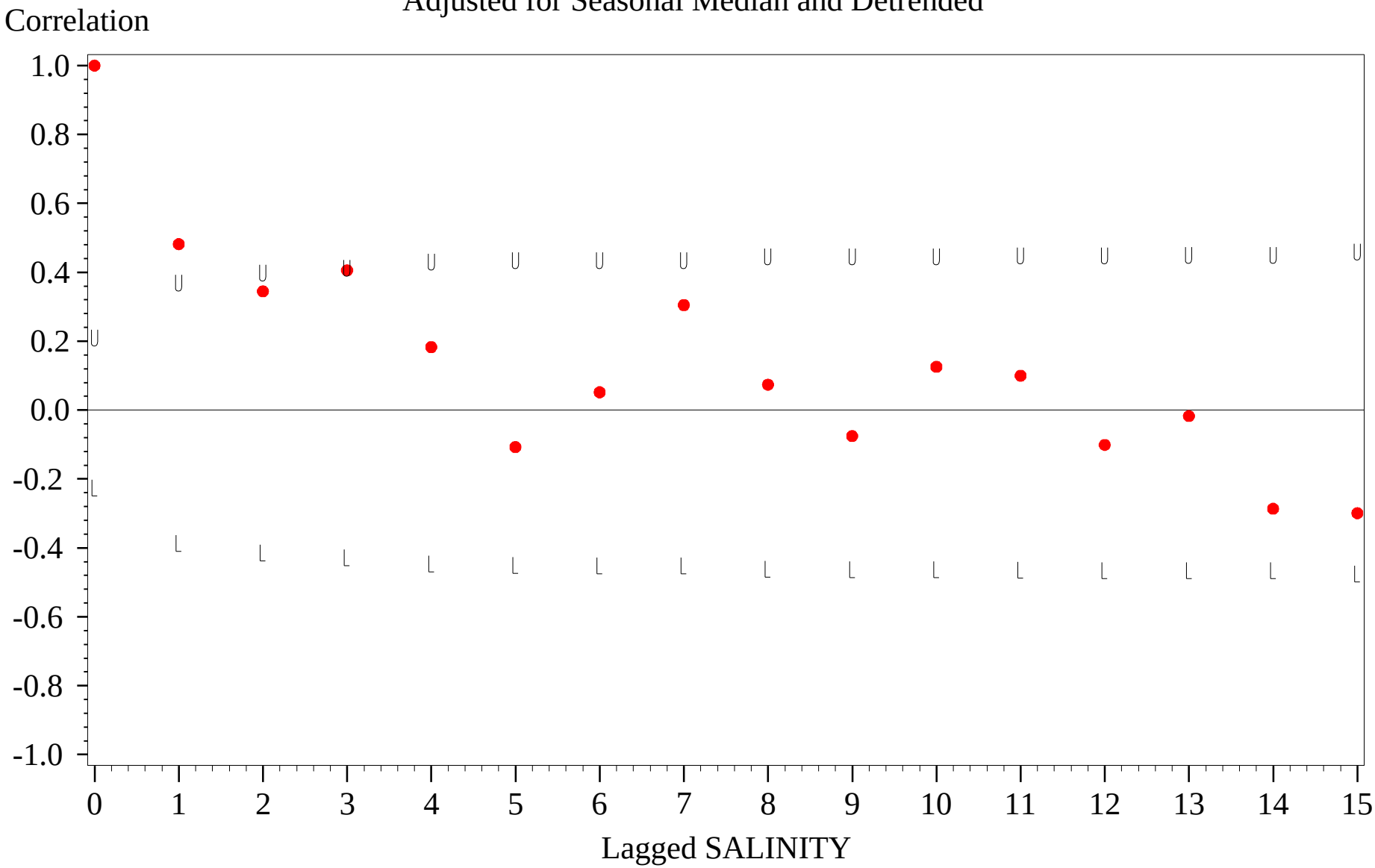
Autocorrelation Statistics for Surface Salinity at FDEP Station 58023SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.109	0.218	-0.218
1	0.482	0.189	0.378	-0.378
2	0.345	0.203	0.406	-0.406
3	0.406	0.210	0.420	-0.420
4	0.183	0.219	0.438	-0.438
5	-0.107	0.221	0.442	-0.442
6	0.052	0.222	0.443	-0.443
7	0.305	0.222	0.443	-0.443
8	0.074	0.227	0.453	-0.453
9	-0.075	0.227	0.454	-0.454
10	0.126	0.227	0.454	-0.454
11	0.100	0.228	0.456	-0.456
12	-0.101	0.229	0.457	-0.457
13	-0.017	0.229	0.458	-0.458
14	-0.286	0.229	0.458	-0.458
15	-0.299	0.233	0.467	-0.467

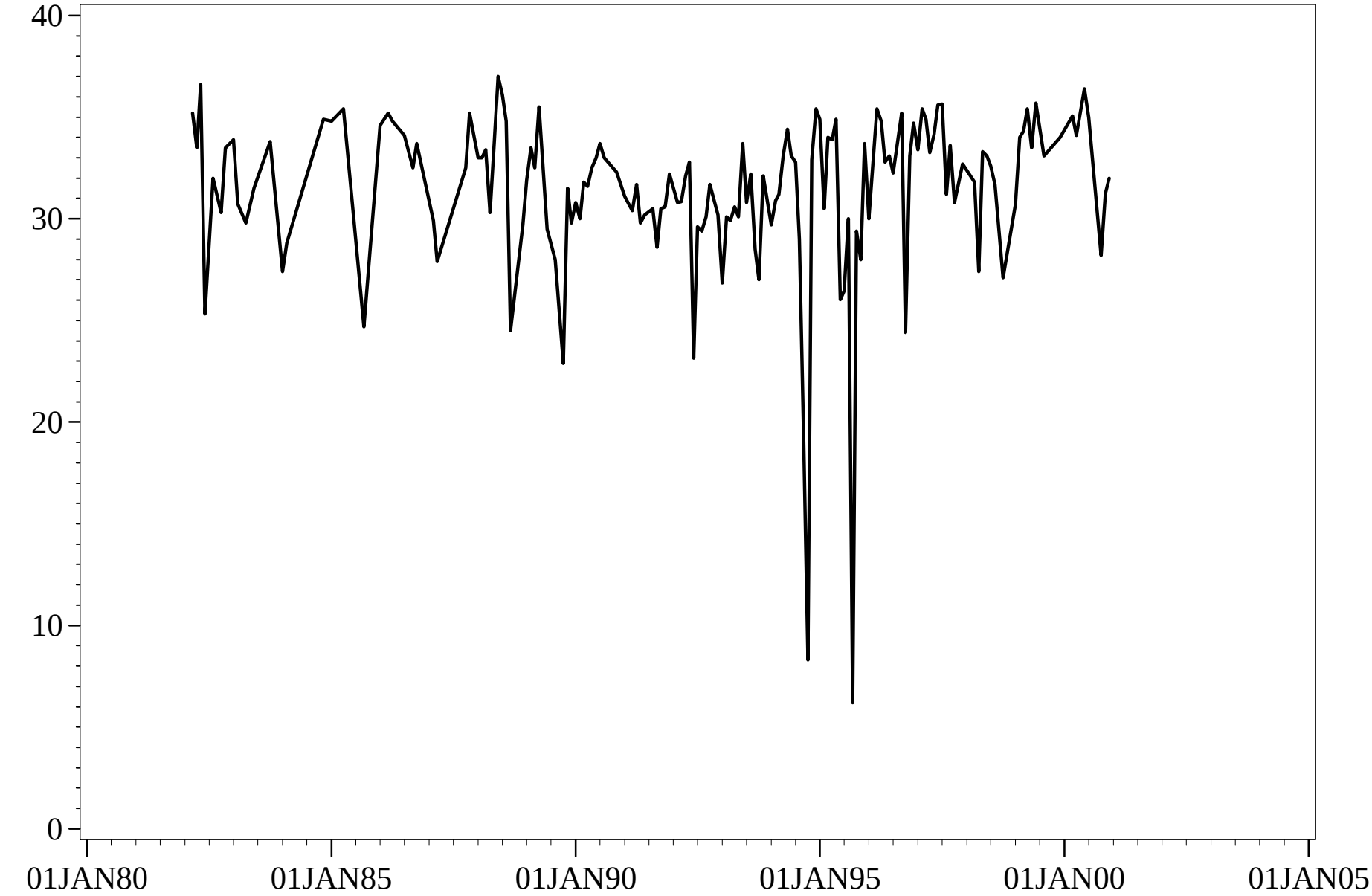
Lemon Bay Trends Appendix - Display 513
Correlogram for Surface Salinity at FDEP Station 58023SEAS

Adjusted for Seasonal Median and Detrended



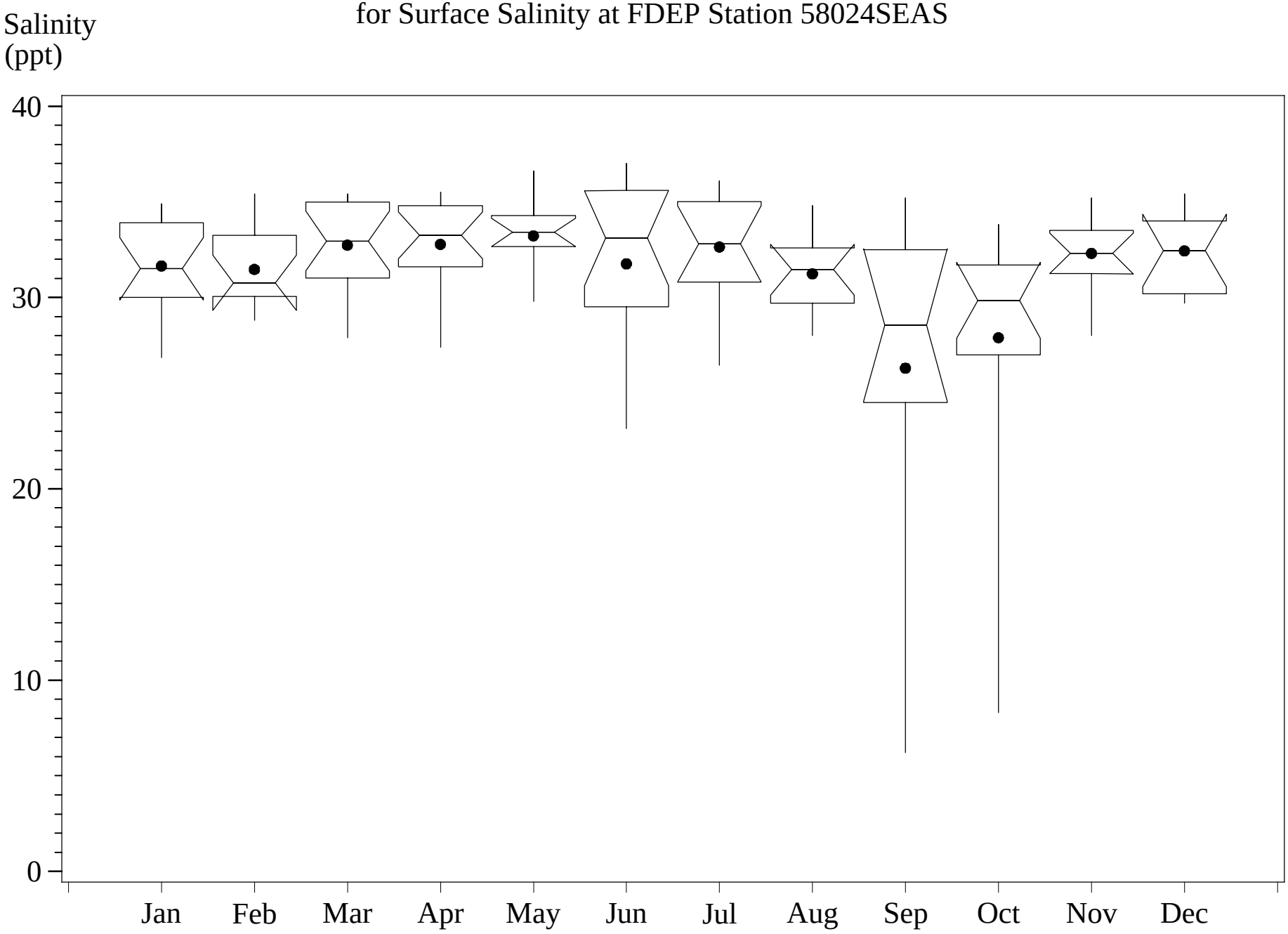
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 514
Monthly Data Time Series
for Surface Salinity at FDEP Station 58024SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 515

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 58024SEAS



Lemon Bay Trends Appendix - Display 516

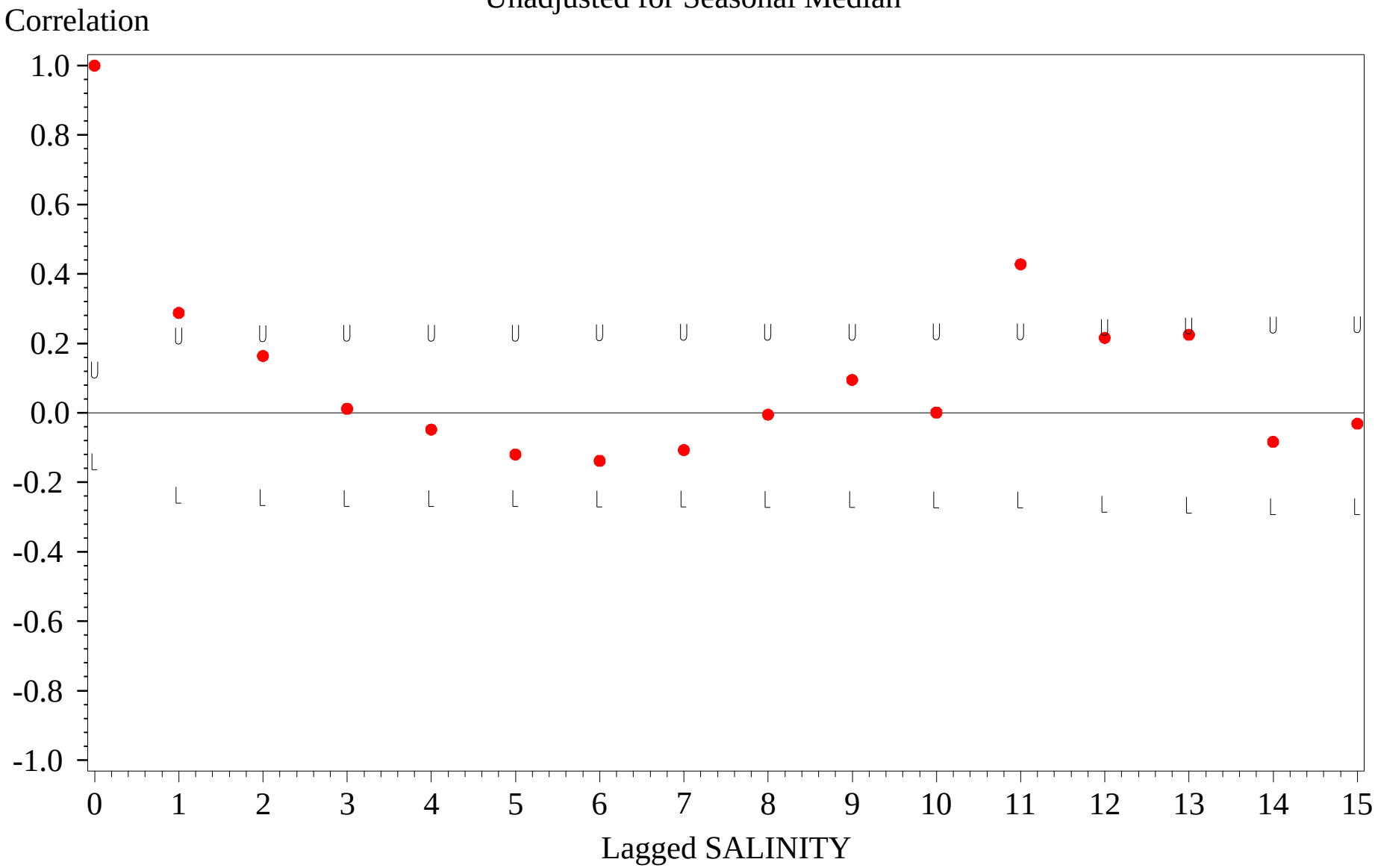
Autocorrelation Statistics for Surface Salinity at FDEP Station 58024SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.288	0.115	0.229	-0.229
2	0.164	0.118	0.236	-0.236
3	0.012	0.119	0.238	-0.238
4	-0.048	0.119	0.238	-0.238
5	-0.120	0.119	0.238	-0.238
6	-0.138	0.119	0.239	-0.239
7	-0.107	0.120	0.240	-0.240
8	-0.005	0.121	0.241	-0.241
9	0.095	0.121	0.241	-0.241
10	0.001	0.121	0.242	-0.242
11	0.428	0.121	0.242	-0.242
12	0.216	0.127	0.255	-0.255
13	0.225	0.129	0.258	-0.258
14	-0.083	0.131	0.261	-0.261
15	-0.031	0.131	0.262	-0.262

Lemon Bay Trends Appendix - Display 517
Correlogram for Surface Salinity at FDEP Station 58024SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 518

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58024SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.056	0.37	0.53	0.044

Lemon Bay Trends Appendix - Display 519

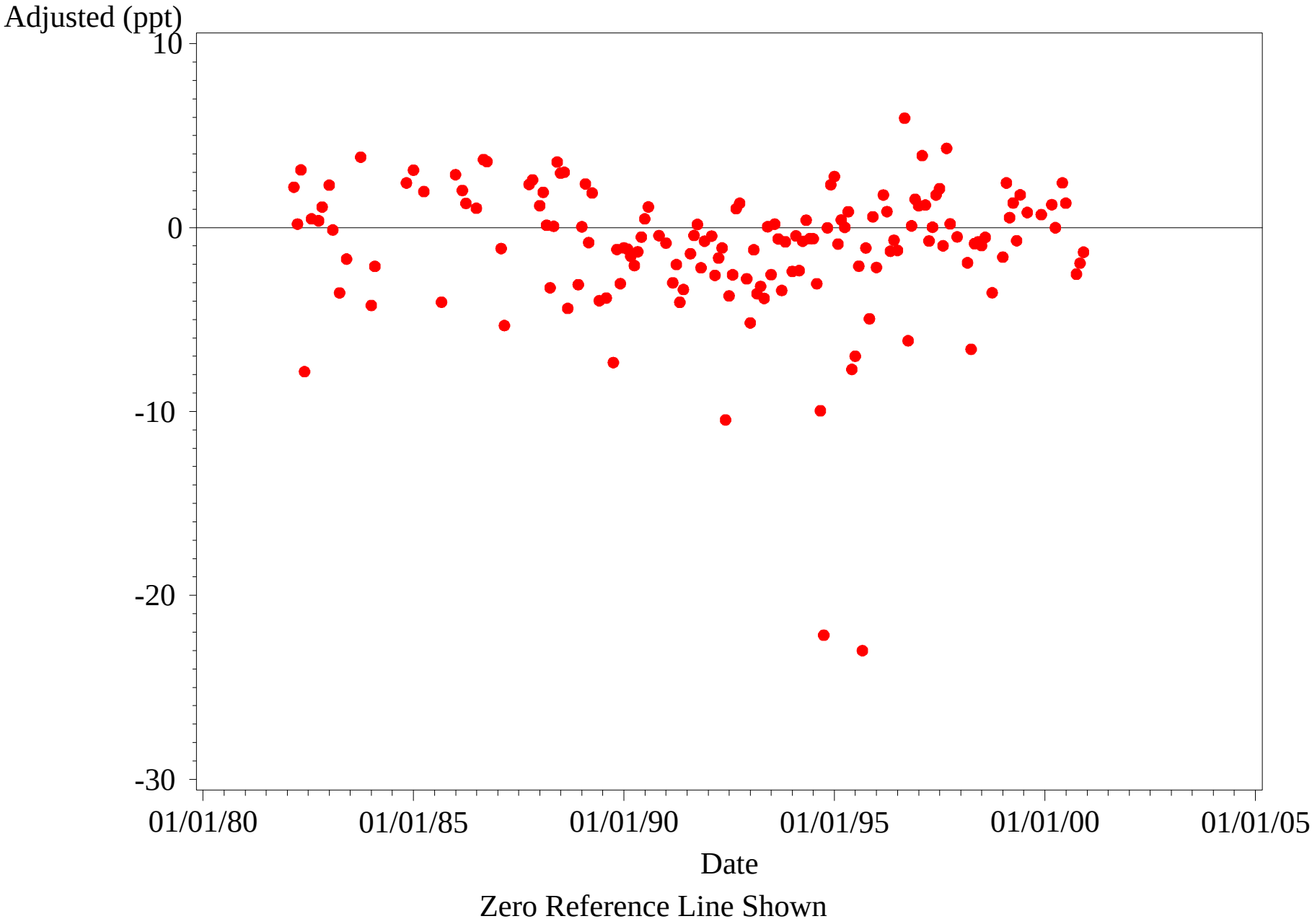
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58024SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.056323	0.37022	0.53025	0.044444

Lemon Bay Trends Appendix - Display 520

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 58024SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 521

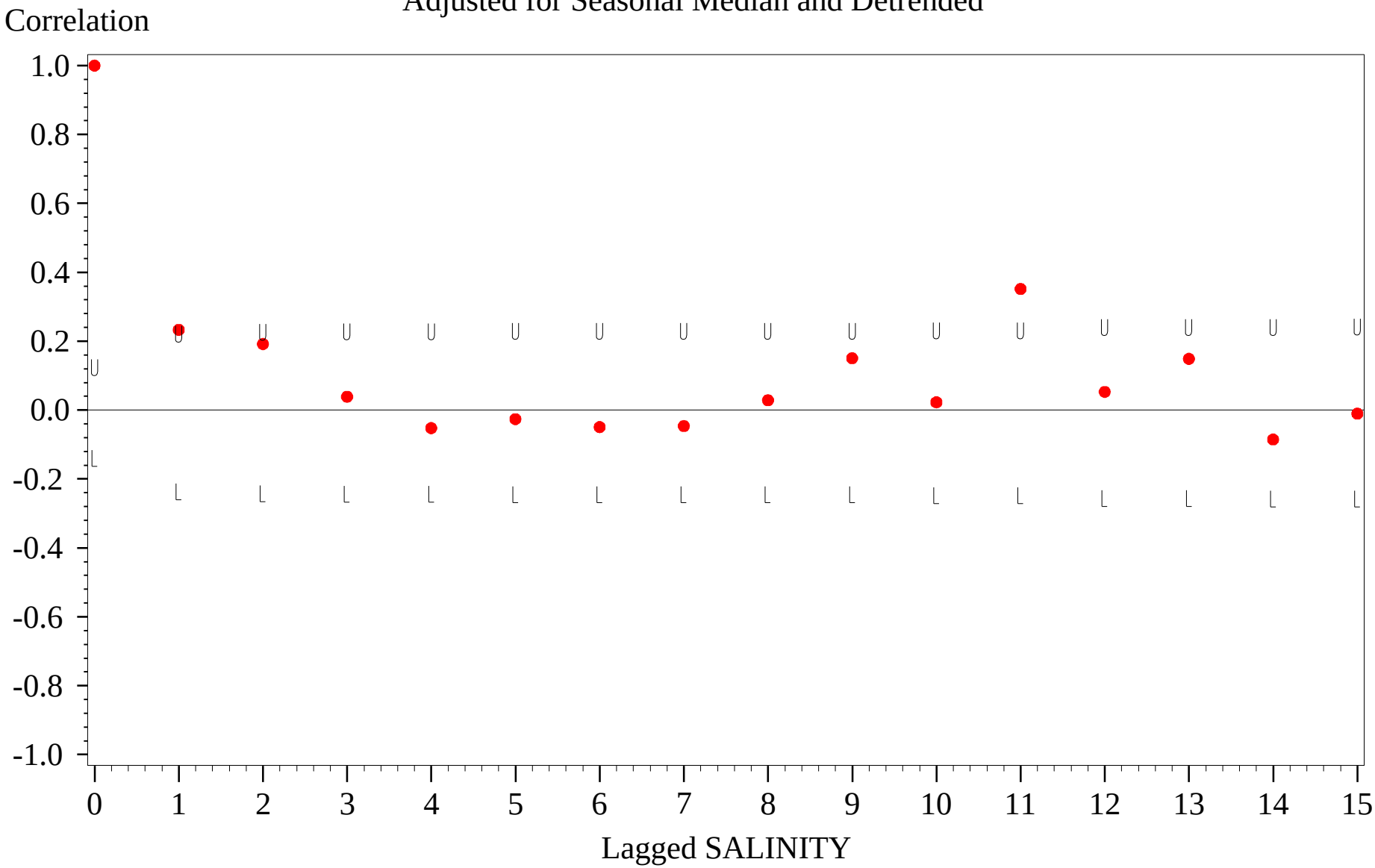
Autocorrelation Statistics for Surface Salinity at FDEP Station 58024SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.233	0.115	0.229	-0.229
2	0.192	0.117	0.234	-0.234
3	0.039	0.118	0.236	-0.236
4	-0.052	0.118	0.236	-0.236
5	-0.026	0.118	0.237	-0.237
6	-0.049	0.118	0.237	-0.237
7	-0.046	0.118	0.237	-0.237
8	0.029	0.118	0.237	-0.237
9	0.151	0.119	0.237	-0.237
10	0.023	0.119	0.239	-0.239
11	0.352	0.119	0.239	-0.239
12	0.053	0.124	0.248	-0.248
13	0.149	0.124	0.248	-0.248
14	-0.085	0.125	0.249	-0.249
15	-0.010	0.125	0.250	-0.250

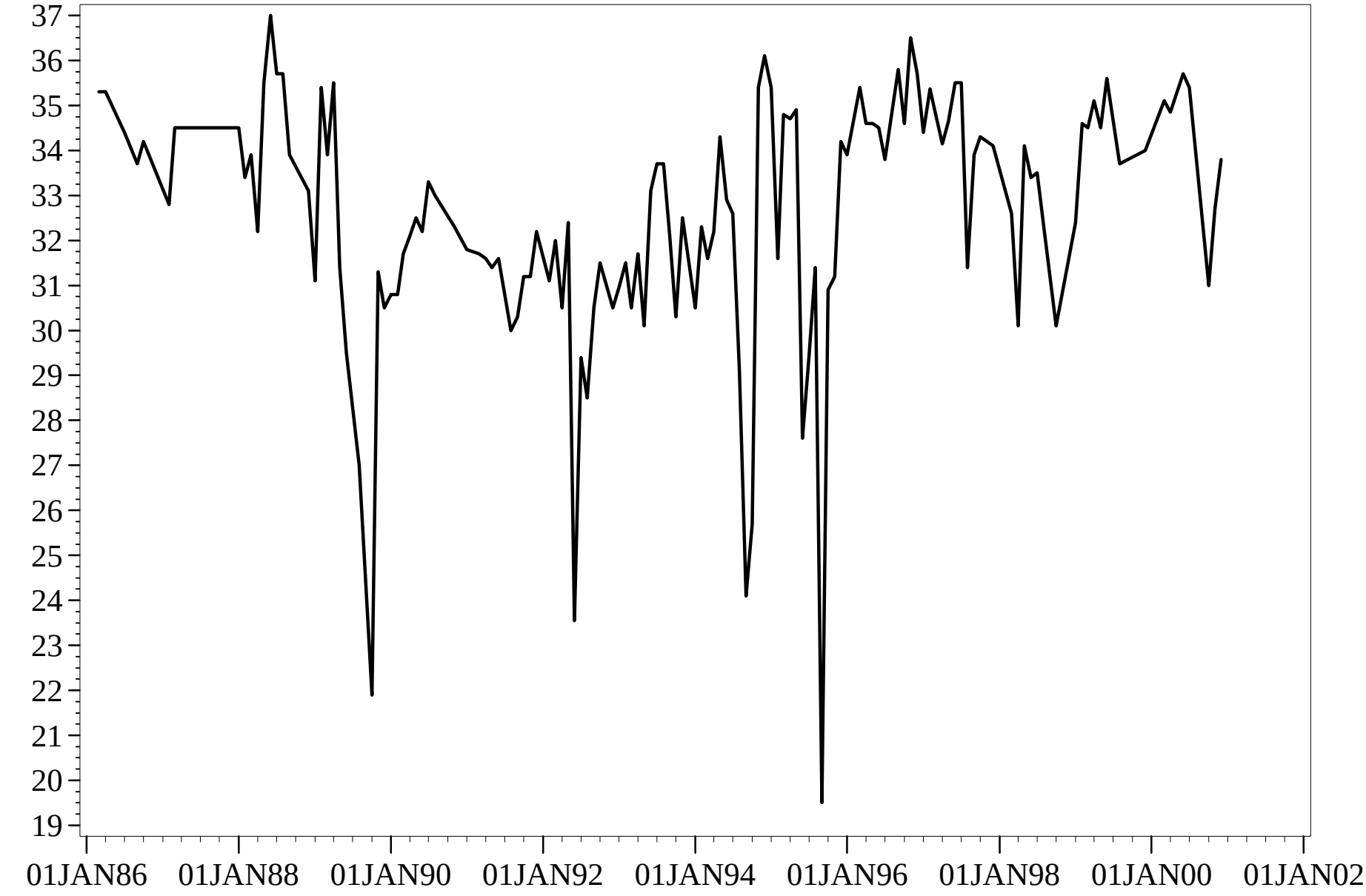
Lemon Bay Trends Appendix - Display 522
Correlogram for Surface Salinity at FDEP Station 58024SEAS

Adjusted for Seasonal Median and Detrended



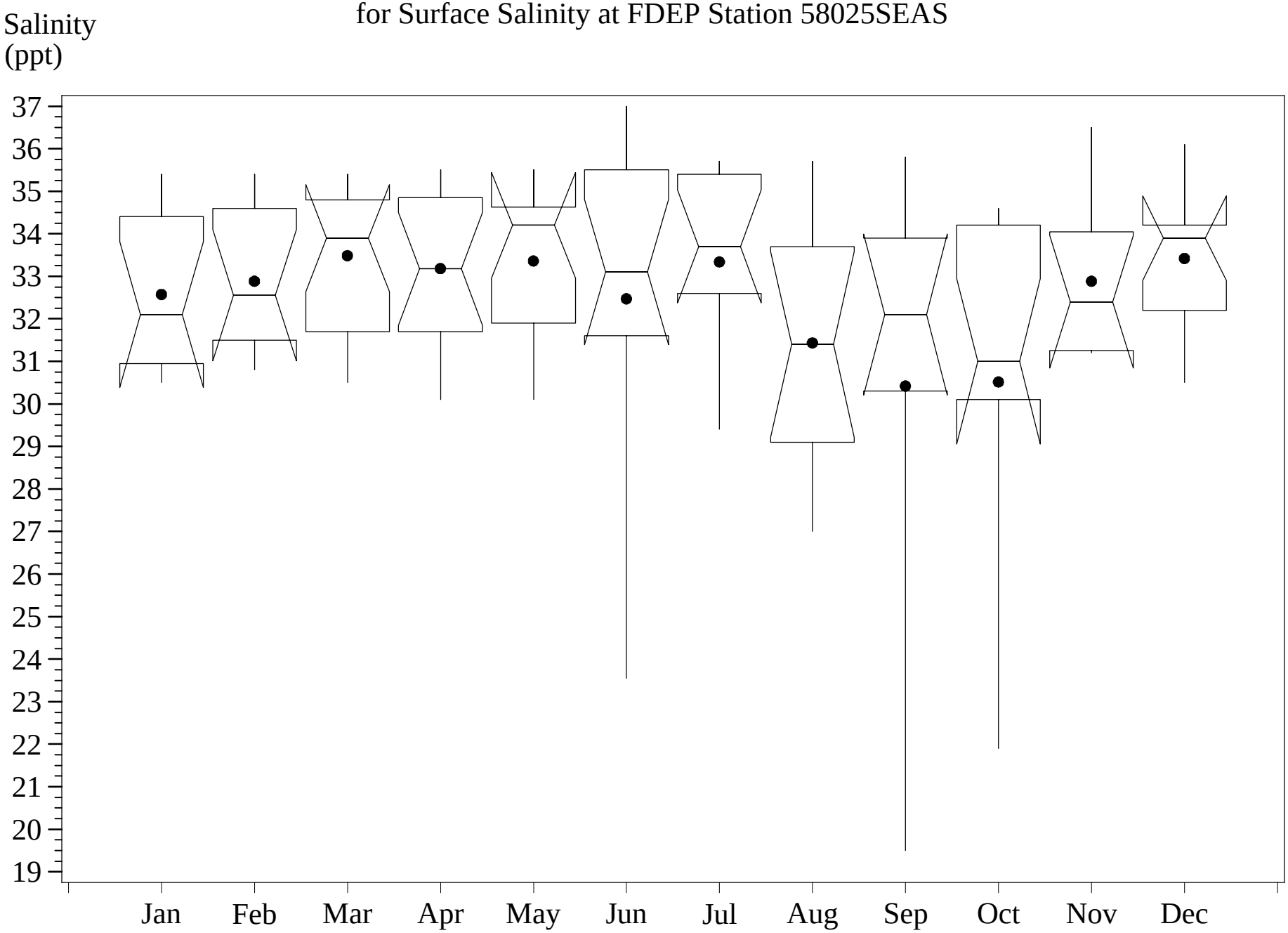
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 523
Monthly Data Time Series
for Surface Salinity at FDEP Station 58025SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 524

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 58025SEAS



Lemon Bay Trends Appendix - Display 525

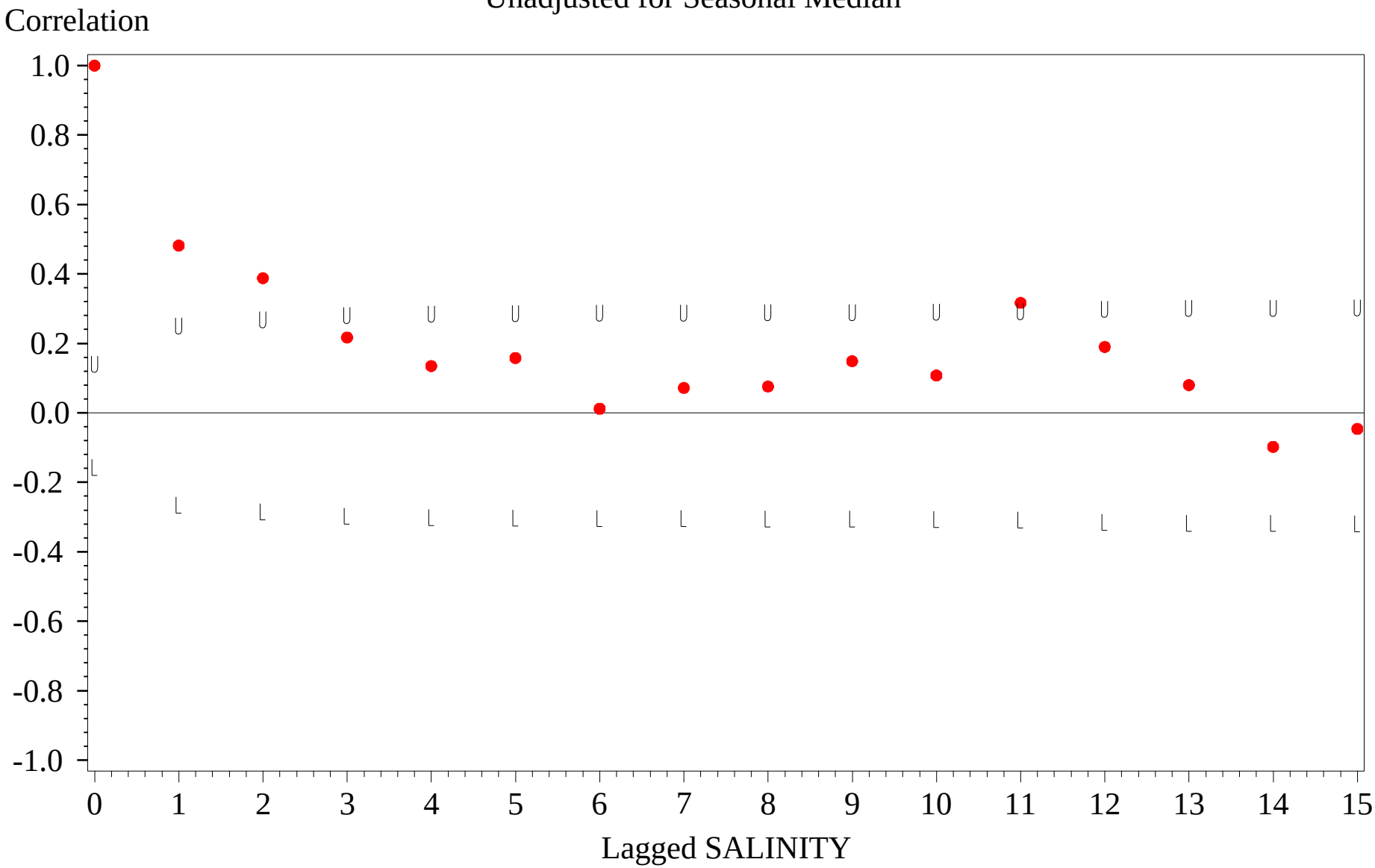
Autocorrelation Statistics for Surface Salinity at FDEP Station 58025SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.075	0.149	-0.149
1	0.482	0.129	0.258	-0.258
2	0.388	0.139	0.277	-0.277
3	0.217	0.145	0.289	-0.289
4	0.135	0.146	0.293	-0.293
5	0.158	0.147	0.294	-0.294
6	0.012	0.148	0.296	-0.296
7	0.072	0.148	0.296	-0.296
8	0.076	0.148	0.297	-0.297
9	0.149	0.148	0.297	-0.297
10	0.108	0.149	0.299	-0.299
11	0.317	0.150	0.300	-0.300
12	0.190	0.153	0.307	-0.307
13	0.080	0.155	0.309	-0.309
14	-0.098	0.155	0.310	-0.310
15	-0.046	0.155	0.311	-0.311

Lemon Bay Trends Appendix - Display 526
Correlogram for Surface Salinity at FDEP Station 58025SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 527

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58025SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.138	0.043	0.32	0.1

Lemon Bay Trends Appendix - Display 528

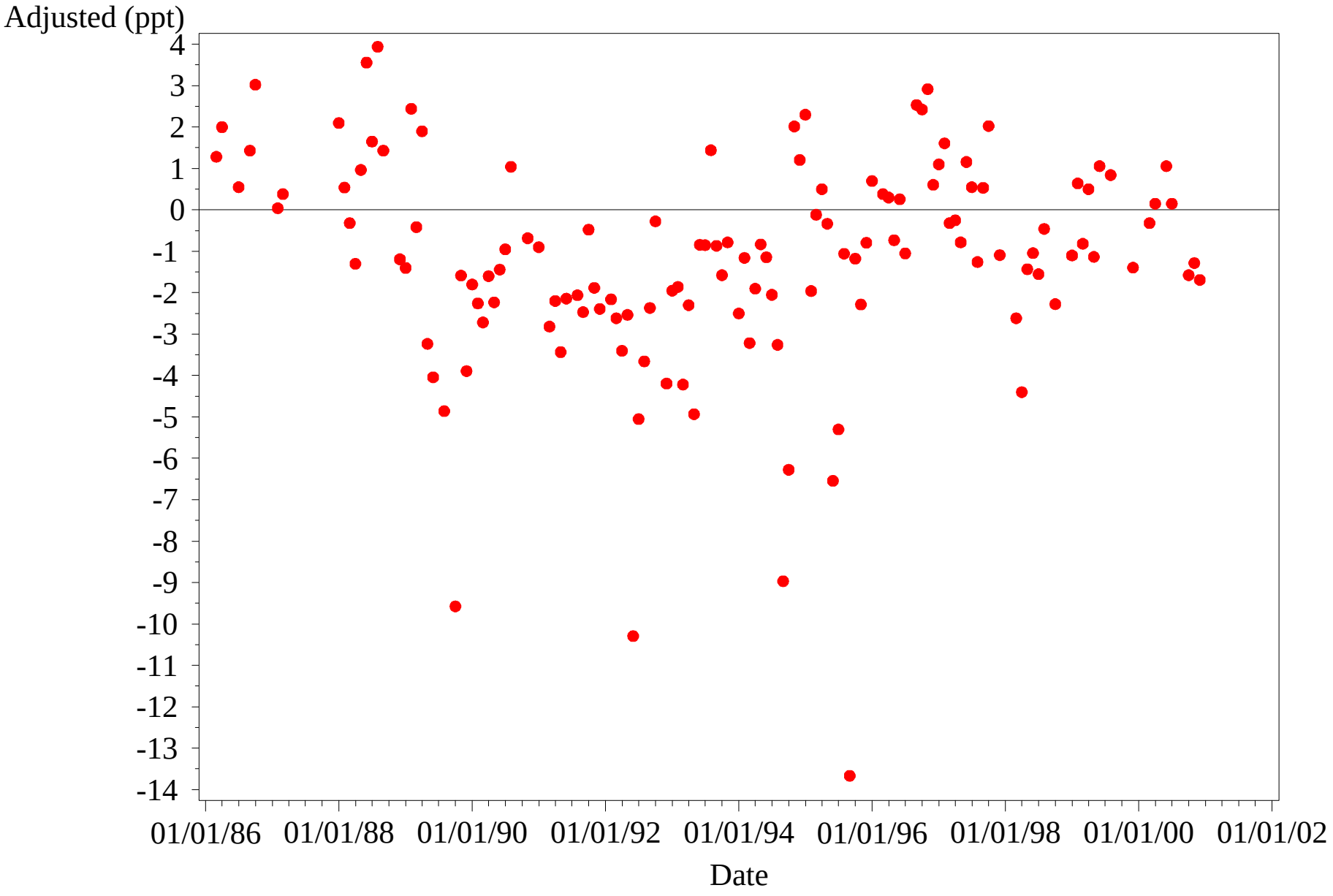
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58025SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.13778	0.042507	0.32004	0.1

Lemon Bay Trends Appendix - Display 529

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 58025SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 530

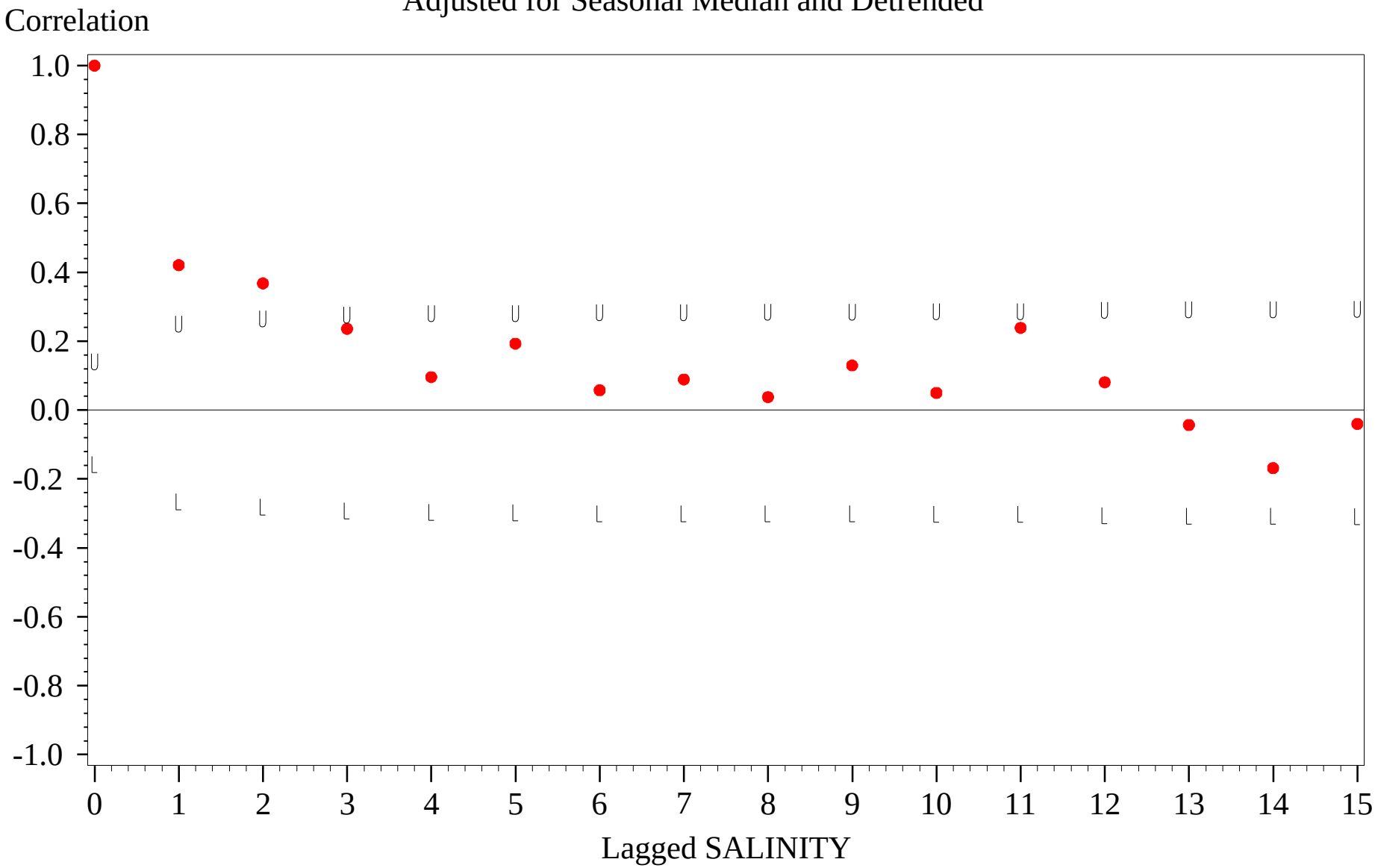
Autocorrelation Statistics for Surface Salinity at FDEP Station 58025SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.075	0.149	-0.149
1	0.421	0.129	0.258	-0.258
2	0.368	0.137	0.273	-0.273
3	0.236	0.142	0.284	-0.284
4	0.096	0.144	0.288	-0.288
5	0.193	0.144	0.289	-0.289
6	0.058	0.146	0.292	-0.292
7	0.089	0.146	0.292	-0.292
8	0.038	0.146	0.293	-0.293
9	0.130	0.146	0.293	-0.293
10	0.050	0.147	0.294	-0.294
11	0.239	0.147	0.294	-0.294
12	0.081	0.149	0.298	-0.298
13	-0.043	0.149	0.299	-0.299
14	-0.168	0.150	0.299	-0.299
15	-0.040	0.151	0.301	-0.301

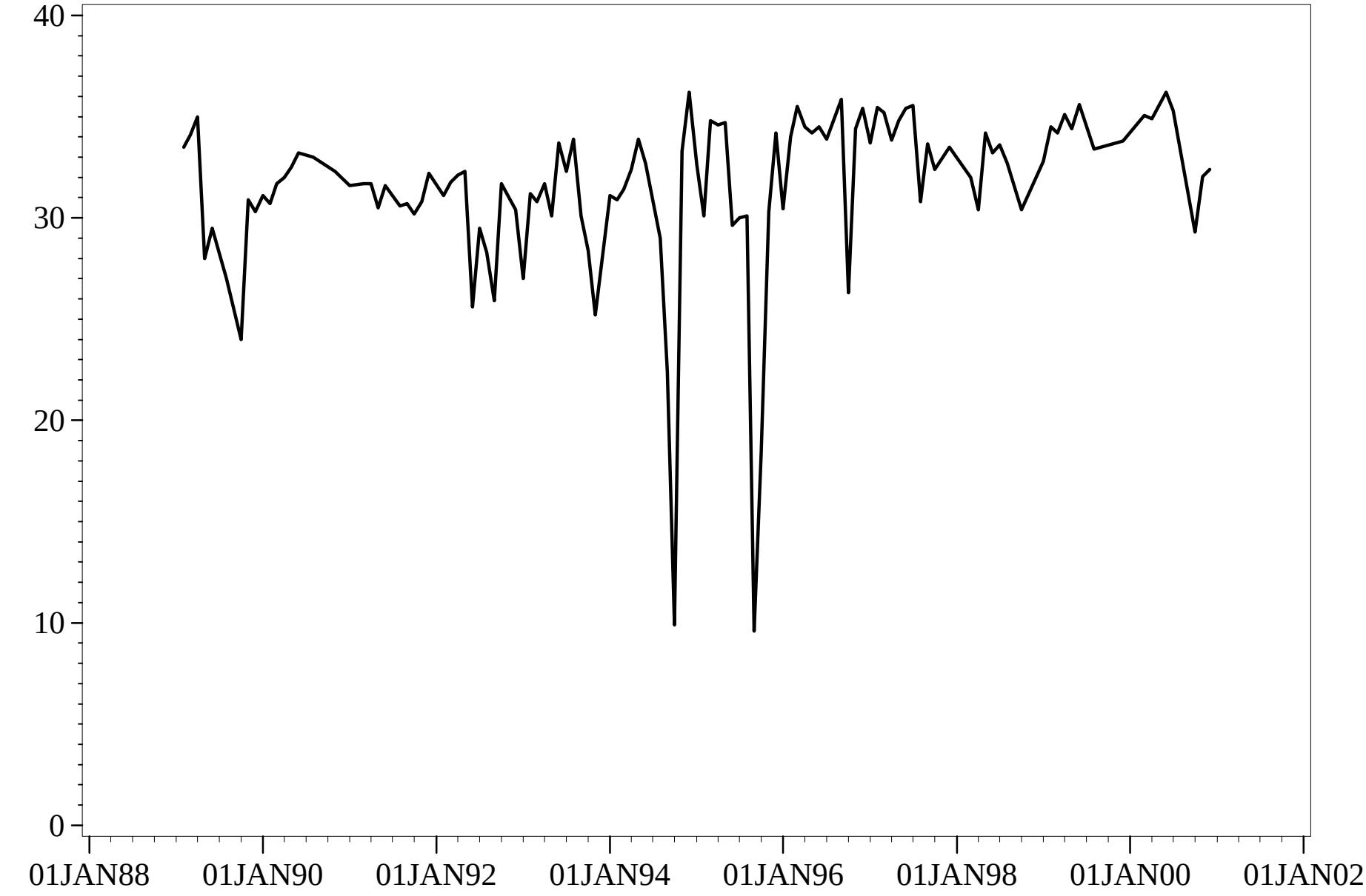
Lemon Bay Trends Appendix - Display 531
Correlogram for Surface Salinity at FDEP Station 58025SEAS

Adjusted for Seasonal Median and Detrended



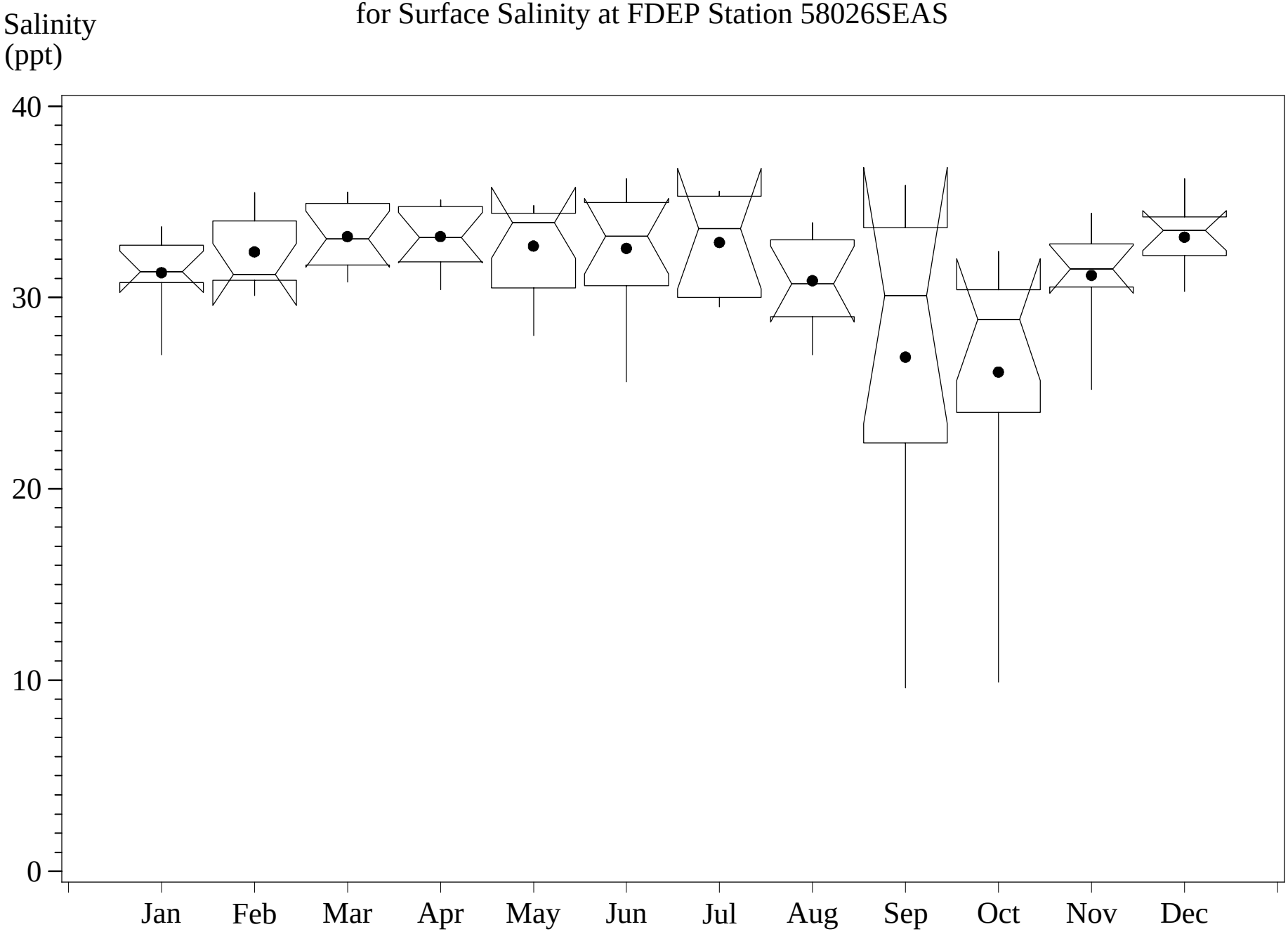
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 532
Monthly Data Time Series
for Surface Salinity at FDEP Station 58026SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 533

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 58026SEAS



Lemon Bay Trends Appendix - Display 534

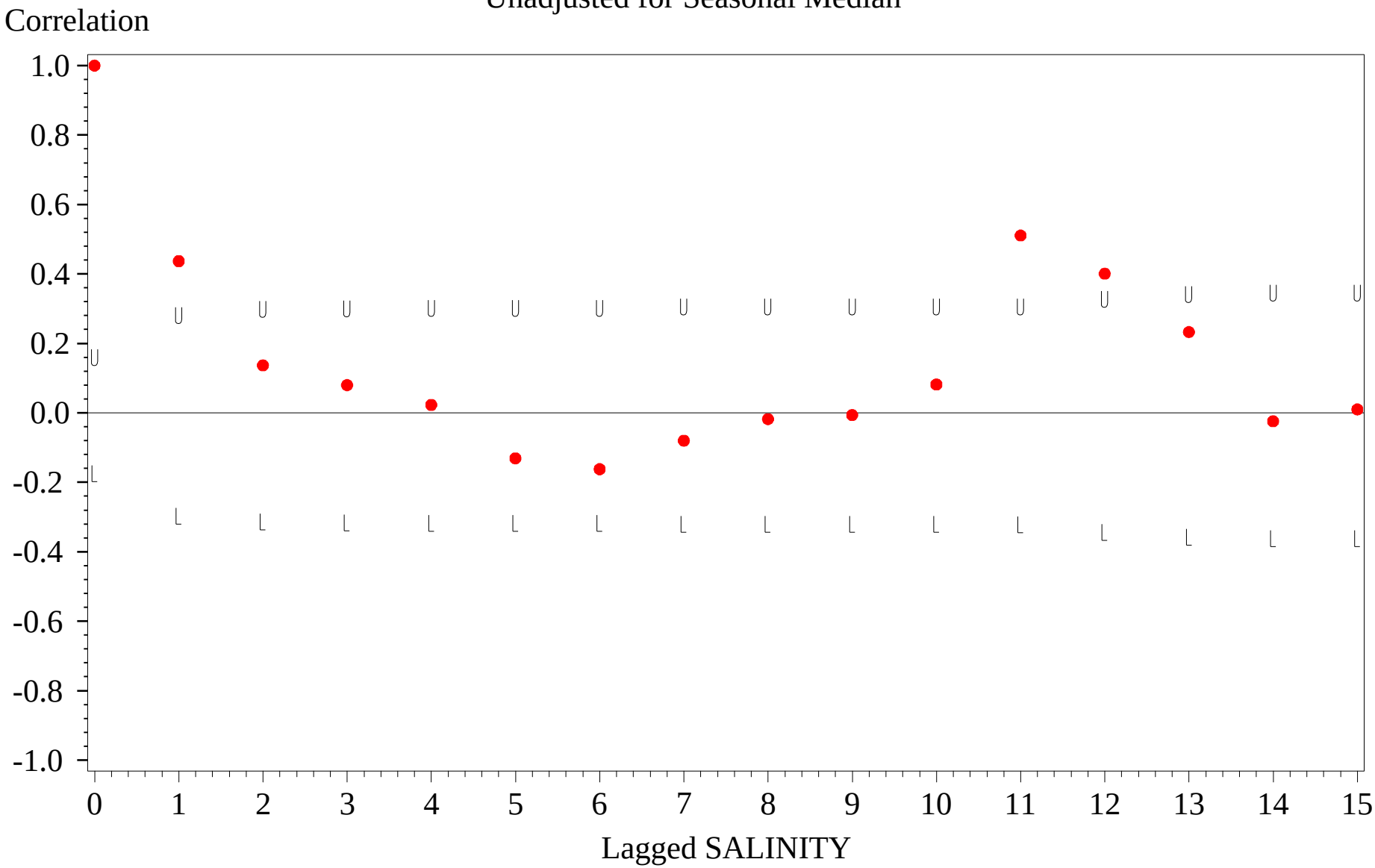
Autocorrelation Statistics for Surface Salinity at FDEP Station 58026SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.083	0.167	-0.167
1	0.437	0.144	0.289	-0.289
2	0.137	0.153	0.306	-0.306
3	0.080	0.154	0.308	-0.308
4	0.023	0.154	0.309	-0.309
5	-0.131	0.154	0.309	-0.309
6	-0.162	0.155	0.310	-0.310
7	-0.080	0.156	0.313	-0.313
8	-0.018	0.157	0.313	-0.313
9	-0.006	0.157	0.313	-0.313
10	0.082	0.157	0.313	-0.313
11	0.511	0.157	0.314	-0.314
12	0.401	0.168	0.336	-0.336
13	0.233	0.175	0.349	-0.349
14	-0.024	0.177	0.354	-0.354
15	0.010	0.177	0.354	-0.354

Lemon Bay Trends Appendix - Display 535
Correlogram for Surface Salinity at FDEP Station 58026SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 536

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58026SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.359	0	.009	0.35

Lemon Bay Trends Appendix - Display 537

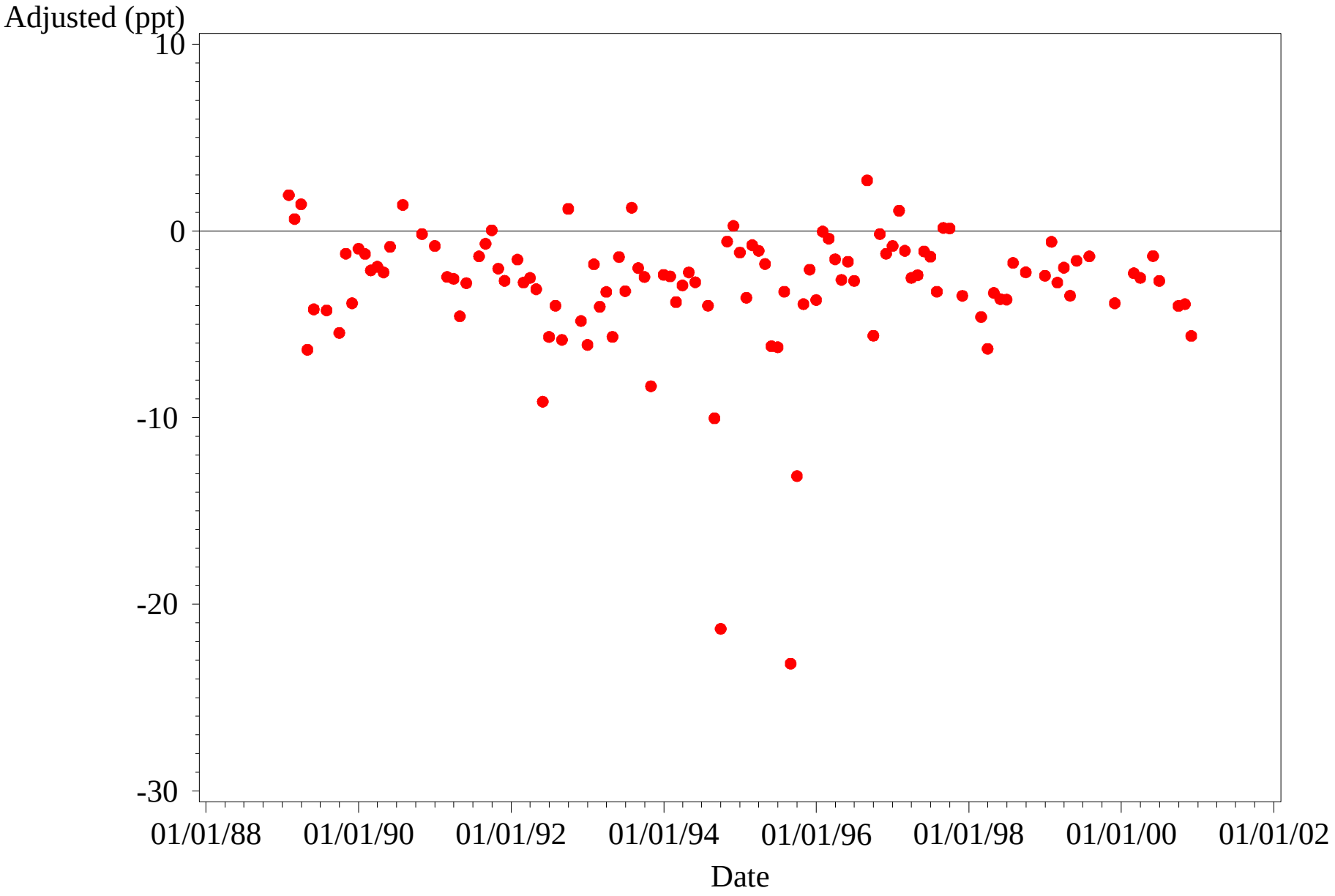
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58026SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.35867	.000001550	.00930321	0.35

Lemon Bay Trends Appendix - Display 538

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 58026SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 539

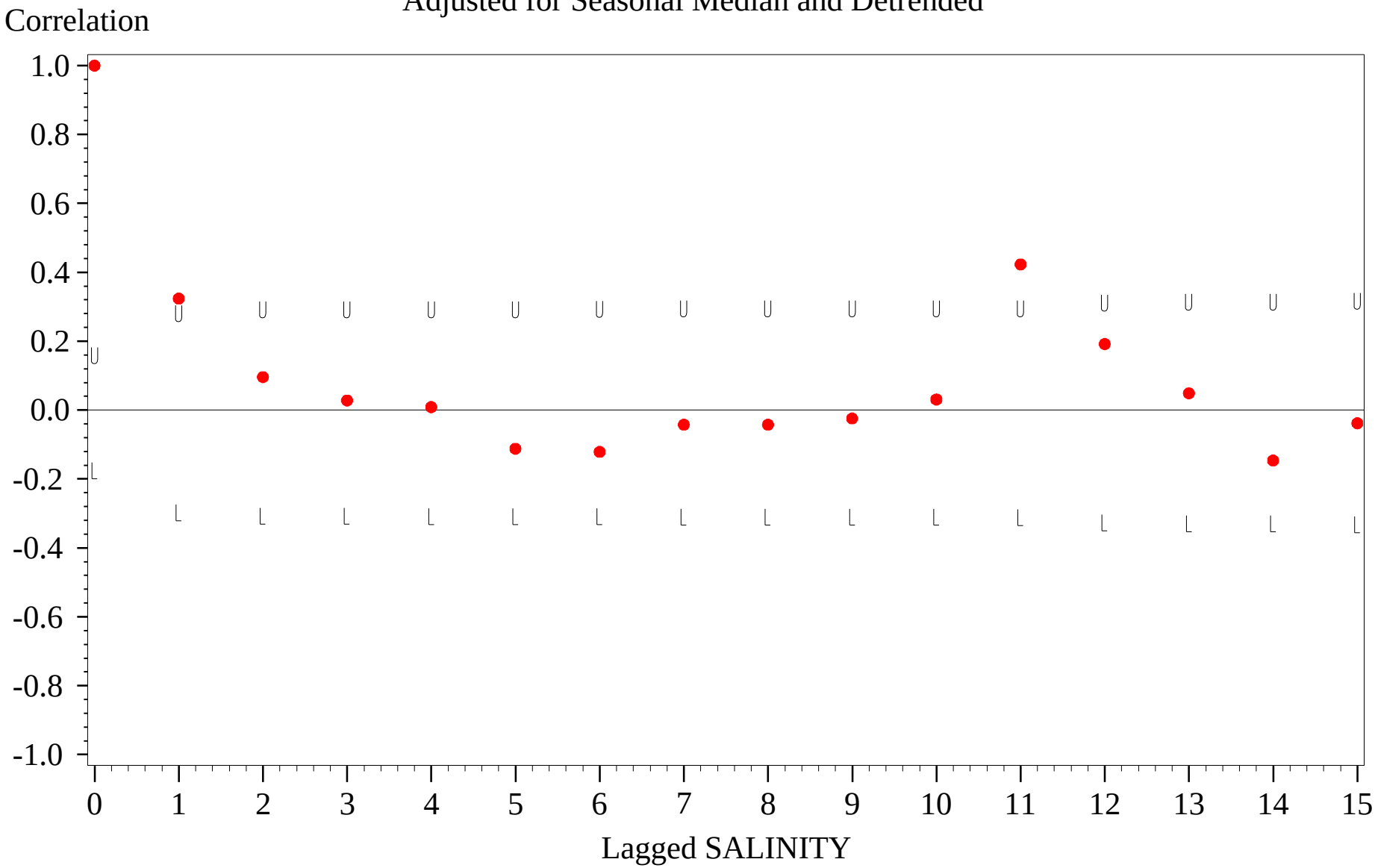
Autocorrelation Statistics for Surface Salinity at FDEP Station 58026SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.083	0.167	-0.167
1	0.324	0.144	0.289	-0.289
2	0.096	0.149	0.299	-0.299
3	0.028	0.150	0.299	-0.299
4	0.009	0.150	0.300	-0.300
5	-0.112	0.150	0.300	-0.300
6	-0.121	0.150	0.301	-0.301
7	-0.042	0.151	0.302	-0.302
8	-0.042	0.151	0.302	-0.302
9	-0.024	0.151	0.302	-0.302
10	0.031	0.151	0.302	-0.302
11	0.423	0.151	0.303	-0.303
12	0.192	0.159	0.319	-0.319
13	0.049	0.161	0.322	-0.322
14	-0.146	0.161	0.322	-0.322
15	-0.038	0.162	0.324	-0.324

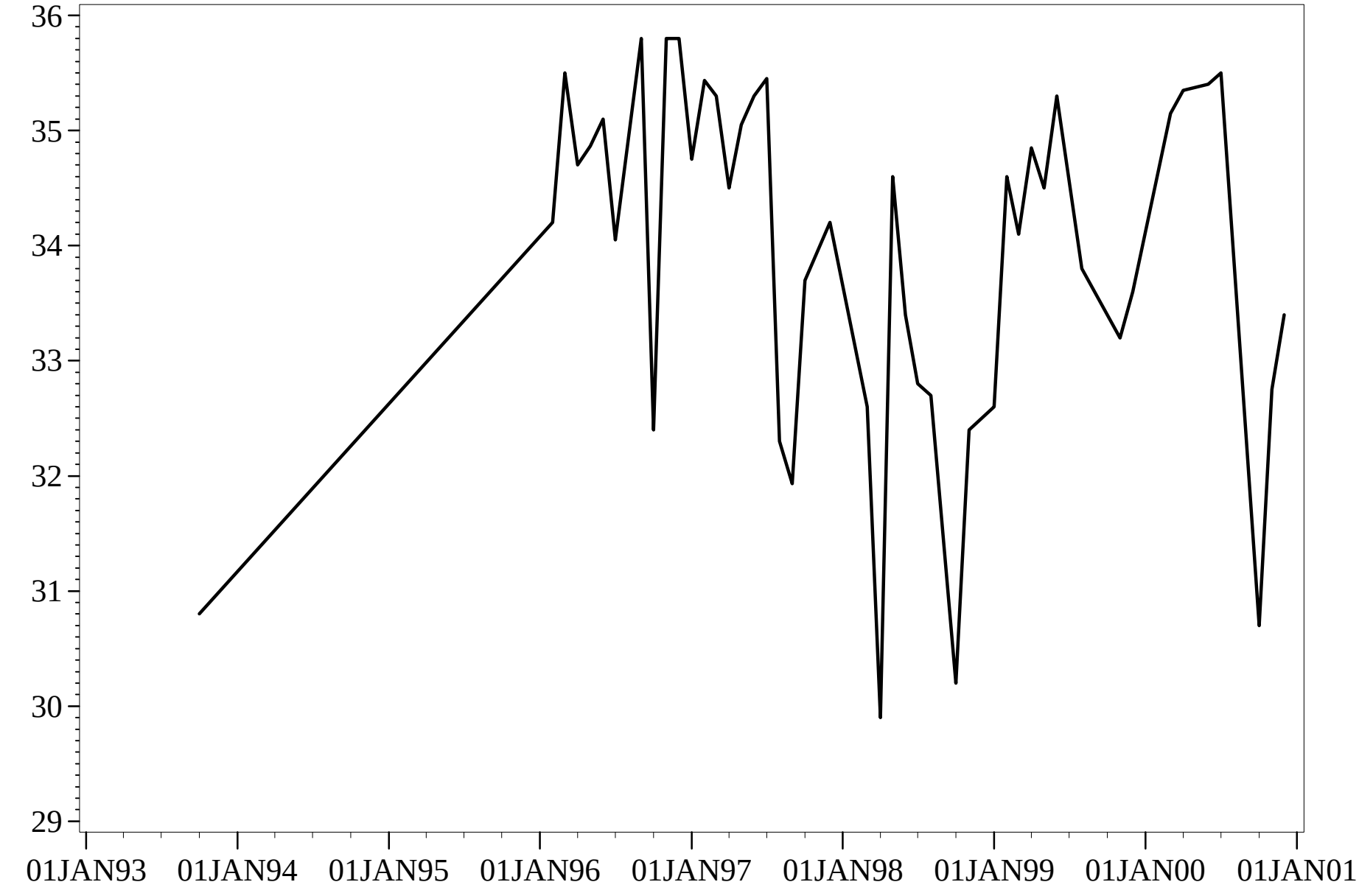
Lemon Bay Trends Appendix - Display 540
Correlogram for Surface Salinity at FDEP Station 58026SEAS

Adjusted for Seasonal Median and Detrended



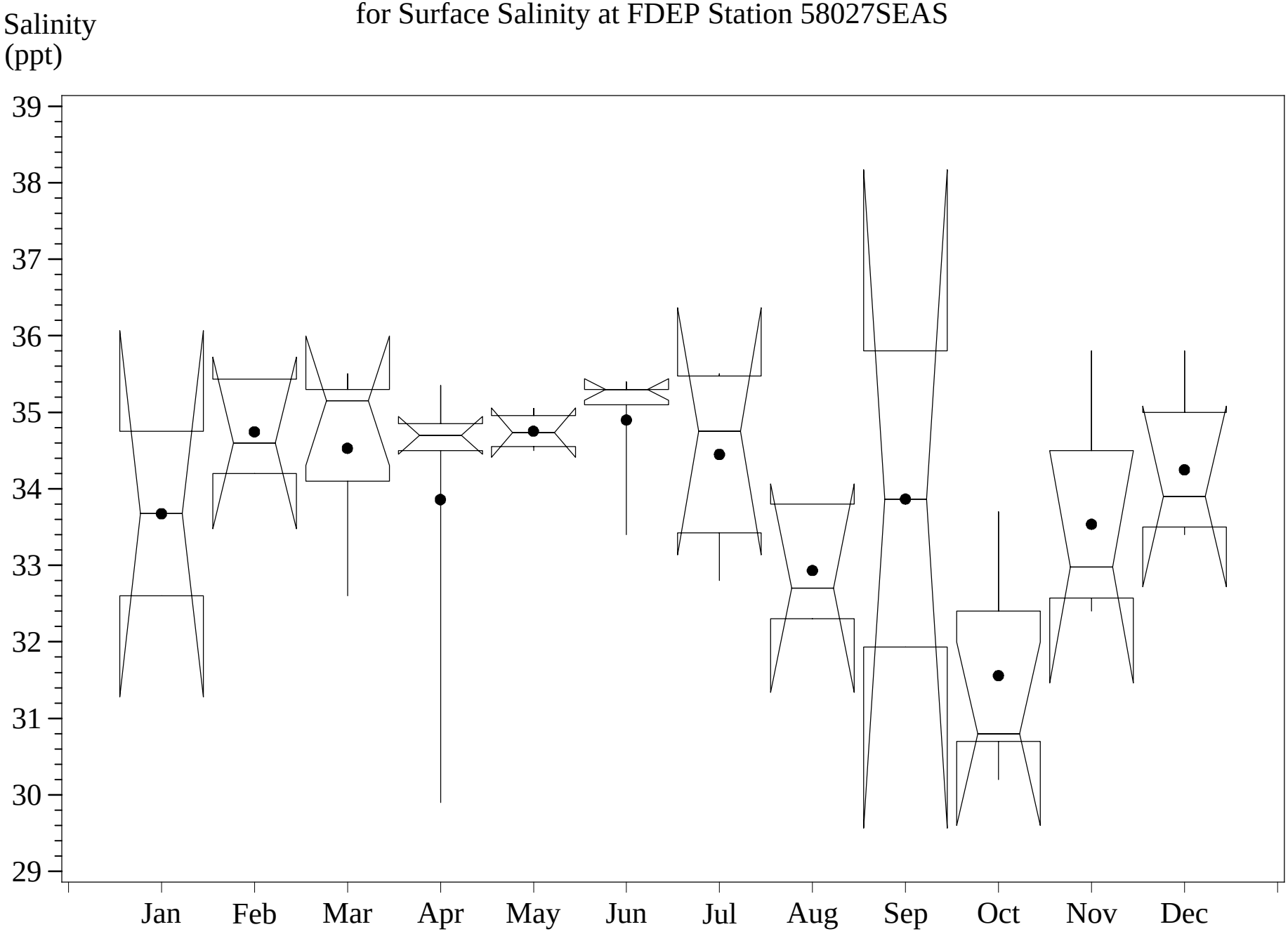
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 541
Monthly Data Time Series
for Surface Salinity at FDEP Station 58027SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 542

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 58027SEAS



Lemon Bay Trends Appendix - Display 543

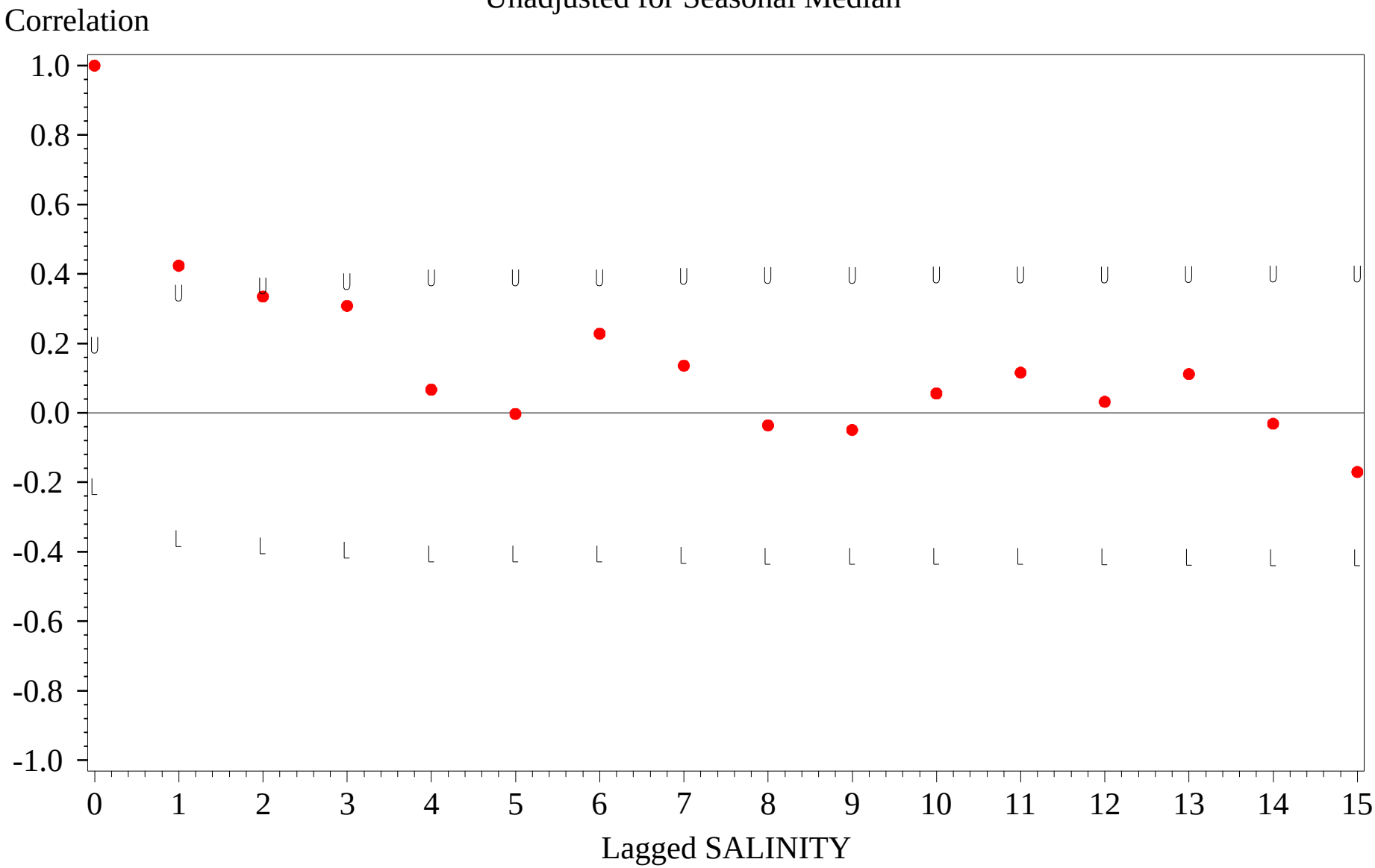
Autocorrelation Statistics for Surface Salinity at FDEP Station 58027SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.424	0.177	0.354	-0.354
2	0.335	0.187	0.374	-0.374
3	0.308	0.193	0.386	-0.386
4	0.067	0.198	0.397	-0.397
5	-0.003	0.198	0.397	-0.397
6	0.228	0.198	0.397	-0.397
7	0.136	0.201	0.402	-0.402
8	-0.036	0.202	0.404	-0.404
9	-0.049	0.202	0.404	-0.404
10	0.056	0.202	0.405	-0.405
11	0.116	0.203	0.405	-0.405
12	0.032	0.203	0.406	-0.406
13	0.112	0.203	0.407	-0.407
14	-0.031	0.204	0.408	-0.408
15	-0.170	0.204	0.408	-0.408

Lemon Bay Trends Appendix - Display 544
Correlogram for Surface Salinity at FDEP Station 58027SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 545

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58027SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.069	0.702	0.815	-0.069

Lemon Bay Trends Appendix - Display 546

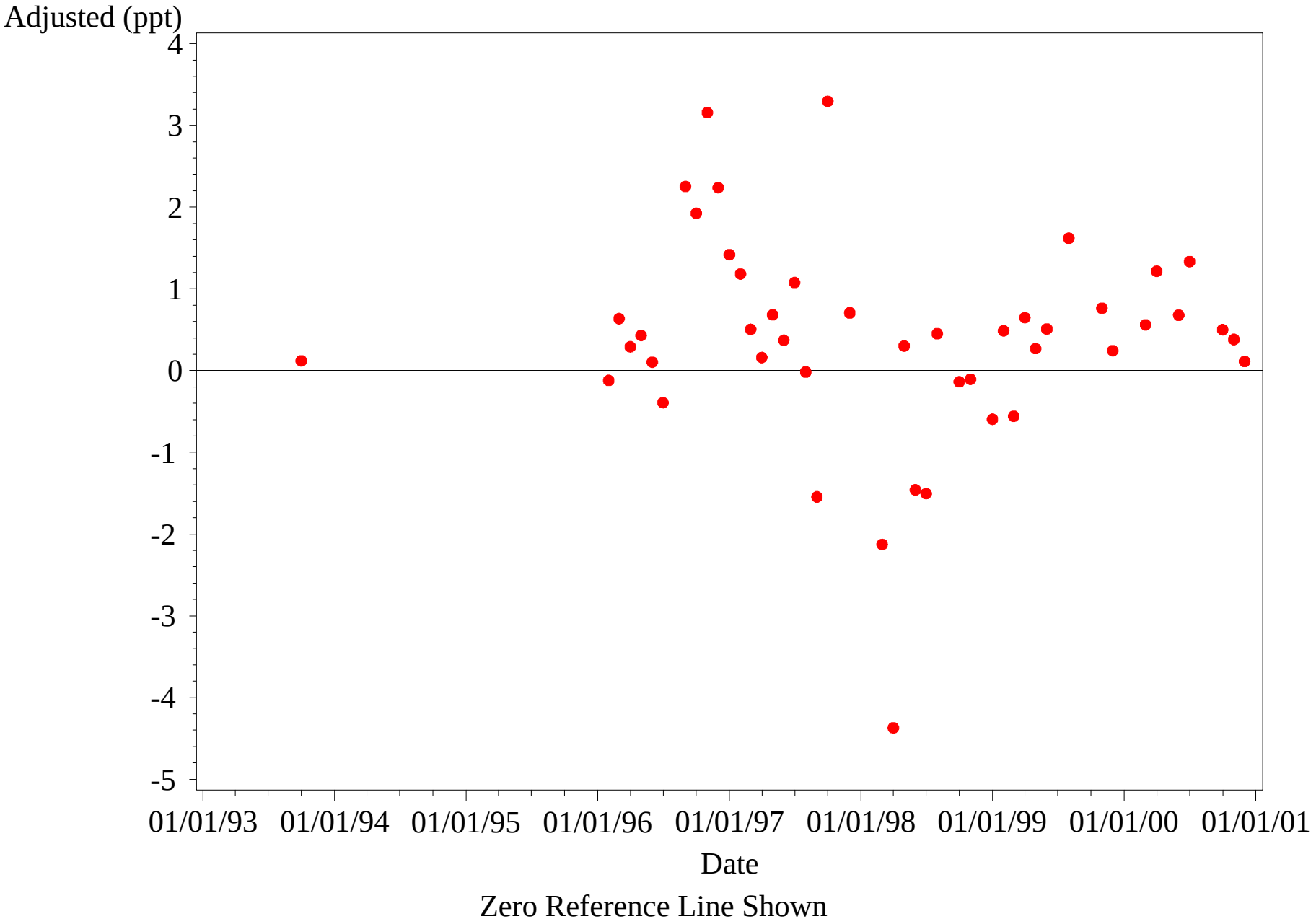
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58027SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.069444	0.70249	0.81523	-0.06875

Lemon Bay Trends Appendix - Display 547

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 58027SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 548

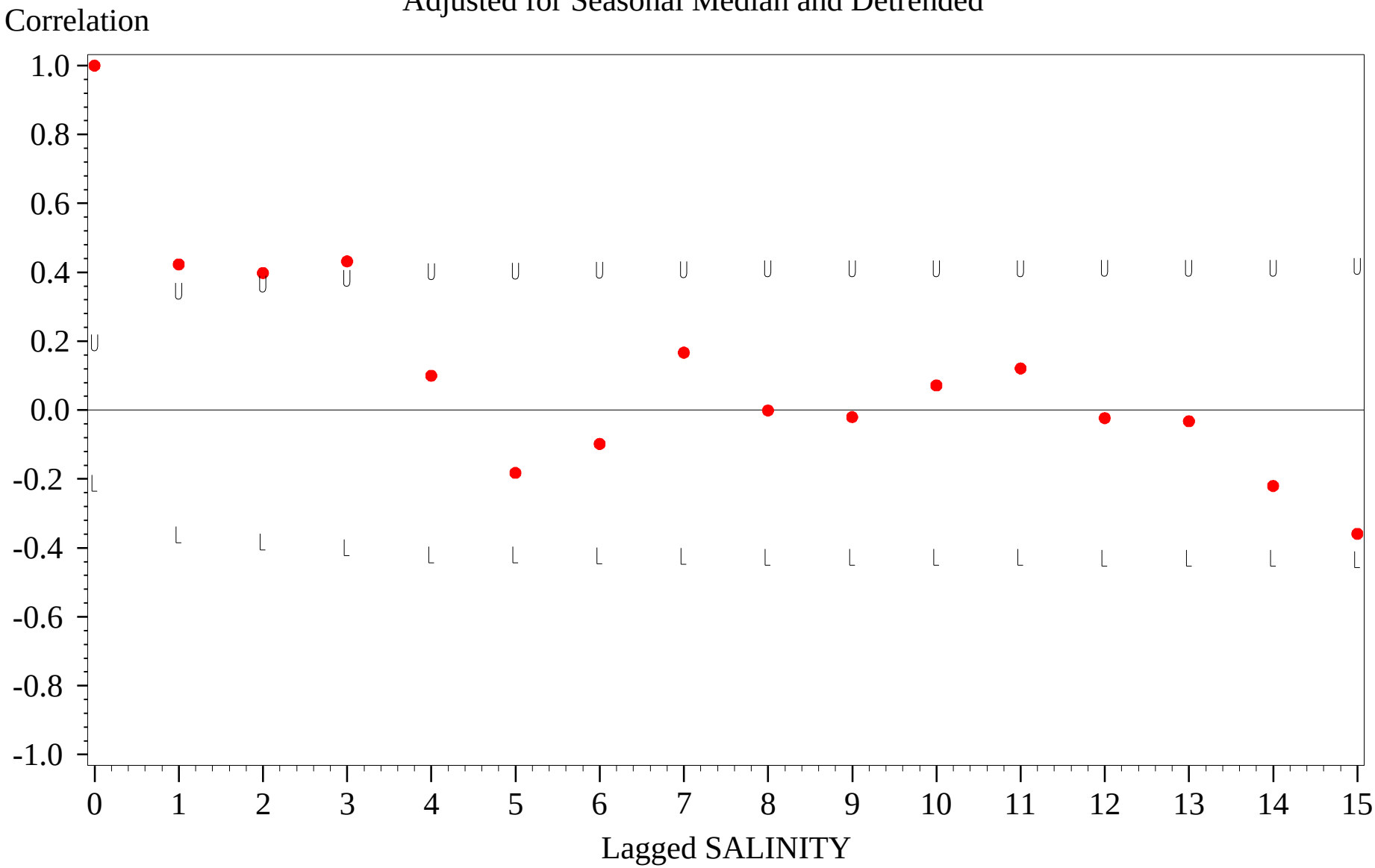
Autocorrelation Statistics for Surface Salinity at FDEP Station 58027SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.423	0.177	0.354	-0.354
2	0.398	0.187	0.374	-0.374
3	0.432	0.196	0.391	-0.391
4	0.100	0.205	0.411	-0.411
5	-0.182	0.206	0.412	-0.412
6	-0.098	0.208	0.415	-0.415
7	0.167	0.208	0.416	-0.416
8	-0.001	0.209	0.419	-0.419
9	-0.020	0.209	0.419	-0.419
10	0.072	0.209	0.419	-0.419
11	0.121	0.210	0.419	-0.419
12	-0.023	0.210	0.421	-0.421
13	-0.032	0.210	0.421	-0.421
14	-0.220	0.210	0.421	-0.421
15	-0.359	0.213	0.426	-0.426

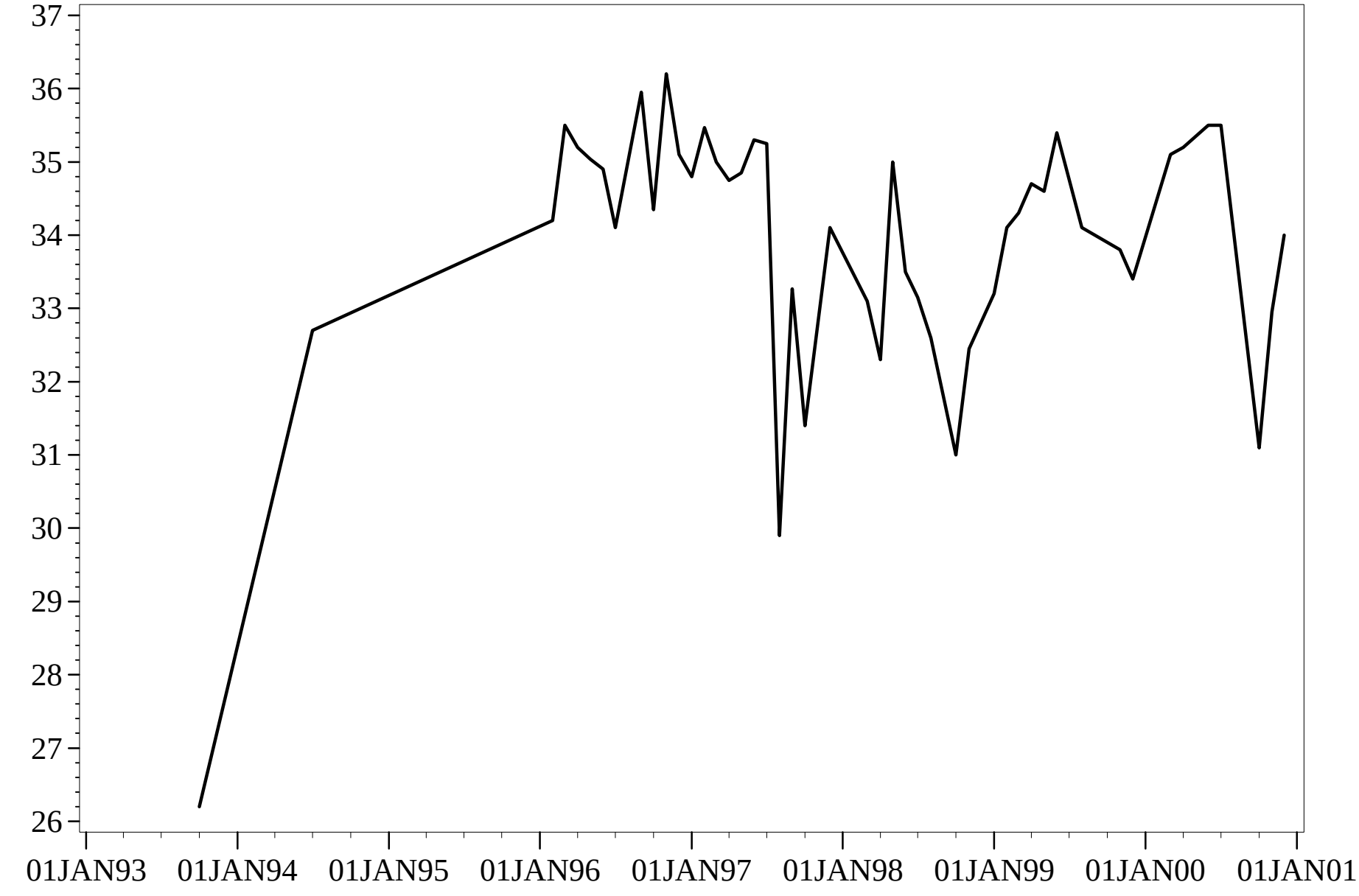
Lemon Bay Trends Appendix - Display 549
Correlogram for Surface Salinity at FDEP Station 58027SEAS

Adjusted for Seasonal Median and Detrended



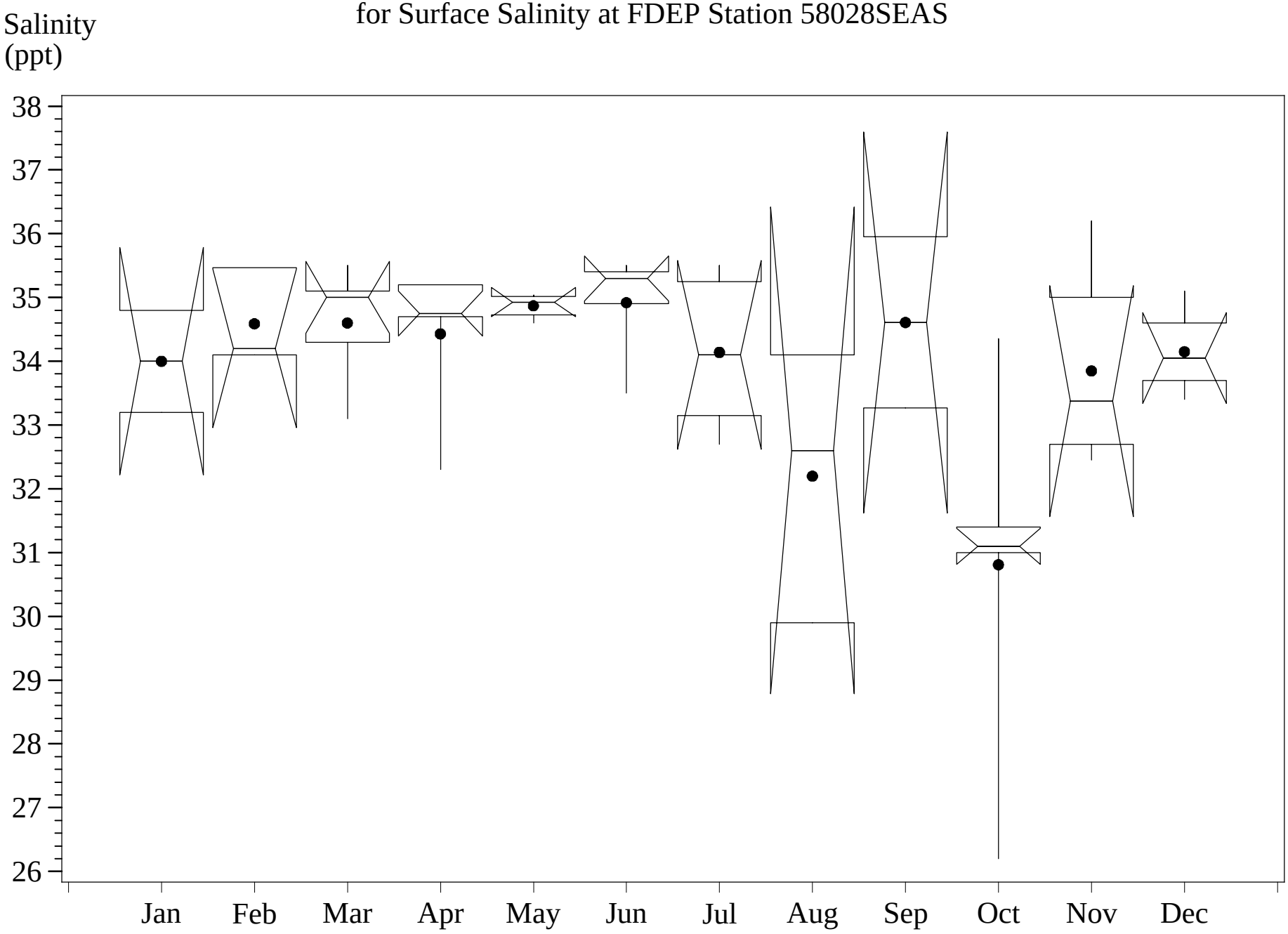
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 550
Monthly Data Time Series
for Surface Salinity at FDEP Station 58028SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 551

Seasonal Univariate Statistics
for Surface Salinity at FDEP Station 58028SEAS



Lemon Bay Trends Appendix - Display 552

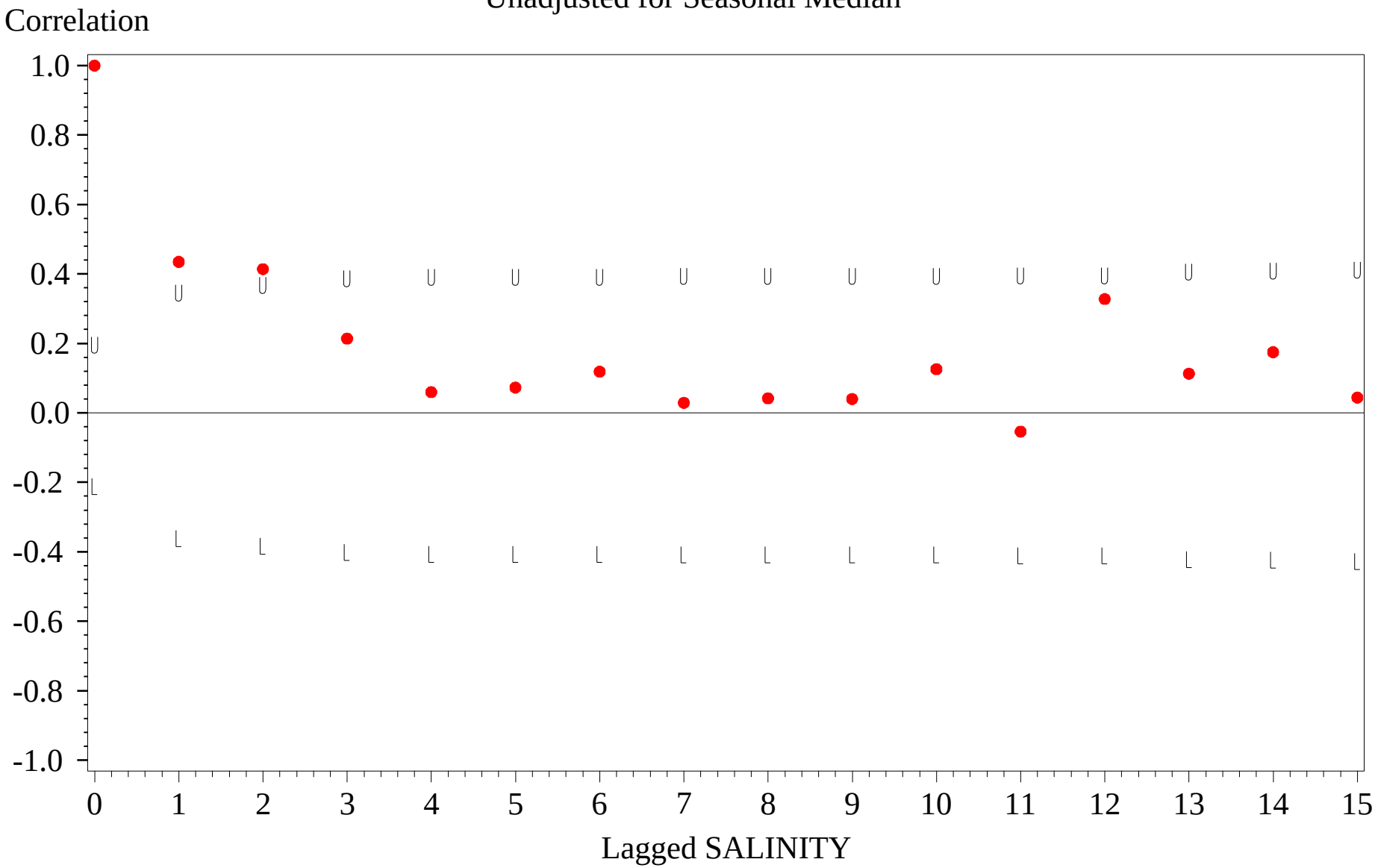
Autocorrelation Statistics for Surface Salinity at FDEP Station 58028SEAS

Unadjusted for Seasonal Medians

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.435	0.177	0.354	-0.354
2	0.414	0.188	0.375	-0.375
3	0.214	0.197	0.394	-0.394
4	0.060	0.199	0.399	-0.399
5	0.073	0.199	0.399	-0.399
6	0.119	0.200	0.399	-0.399
7	0.029	0.200	0.401	-0.401
8	0.042	0.201	0.401	-0.401
9	0.040	0.201	0.401	-0.401
10	0.126	0.201	0.401	-0.401
11	-0.054	0.202	0.403	-0.403
12	0.328	0.202	0.403	-0.403
13	0.113	0.207	0.414	-0.414
14	0.175	0.208	0.416	-0.416
15	0.044	0.209	0.419	-0.419

Lemon Bay Trends Appendix - Display 553
Correlogram for Surface Salinity at FDEP Station 58028SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 554

Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58028SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.013	1	1	-.008

Lemon Bay Trends Appendix - Display 555

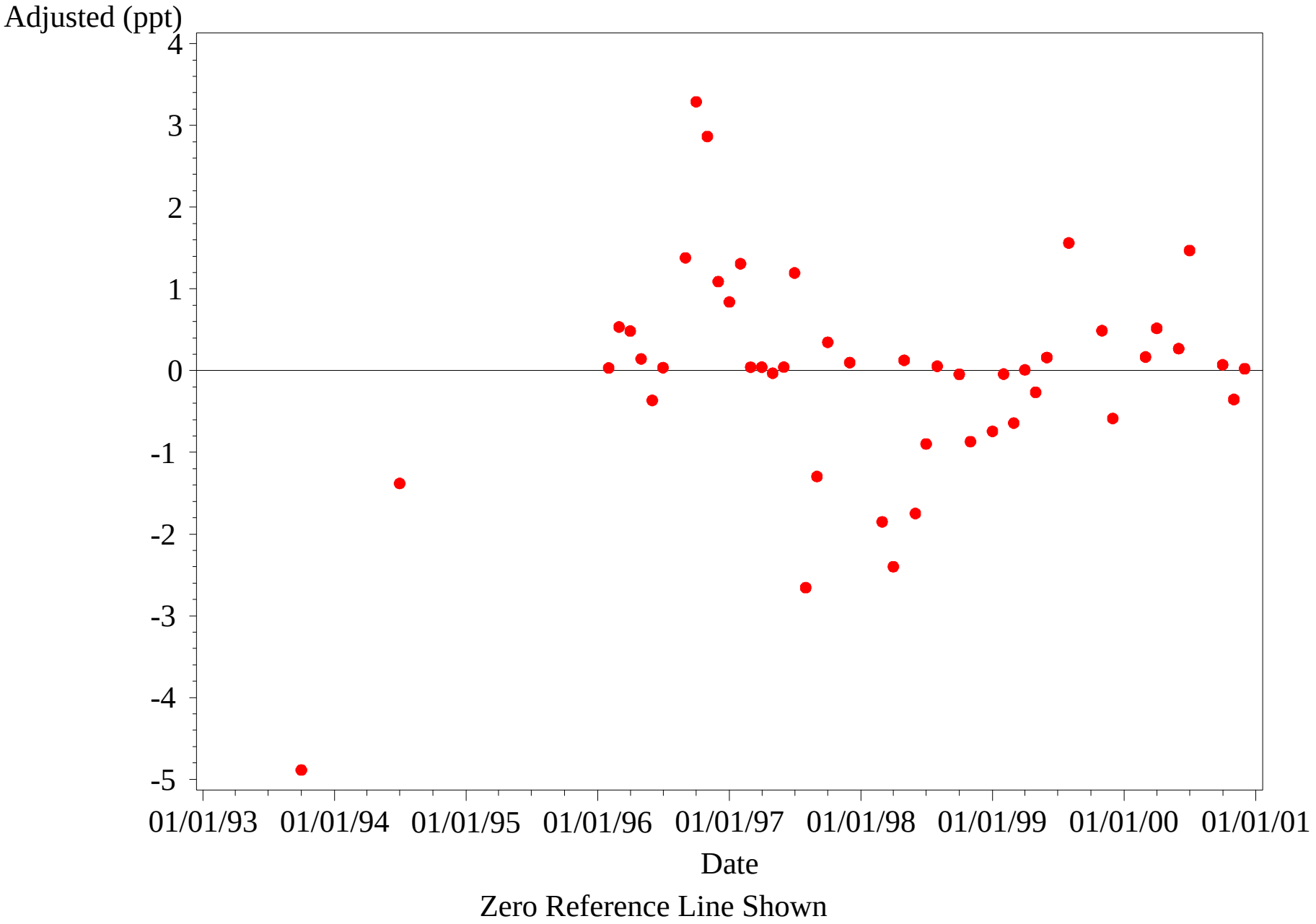
Seasonal Kendall Tau Trend Test Statistics
for Surface Salinity at FDEP Station 58028SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.013158	1	1	-.00825

Lemon Bay Trends Appendix - Display 556

Time Series Plot of Surface Salinity Data Adjusted for Season and Detrended
at FDEP Station 58028SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 557

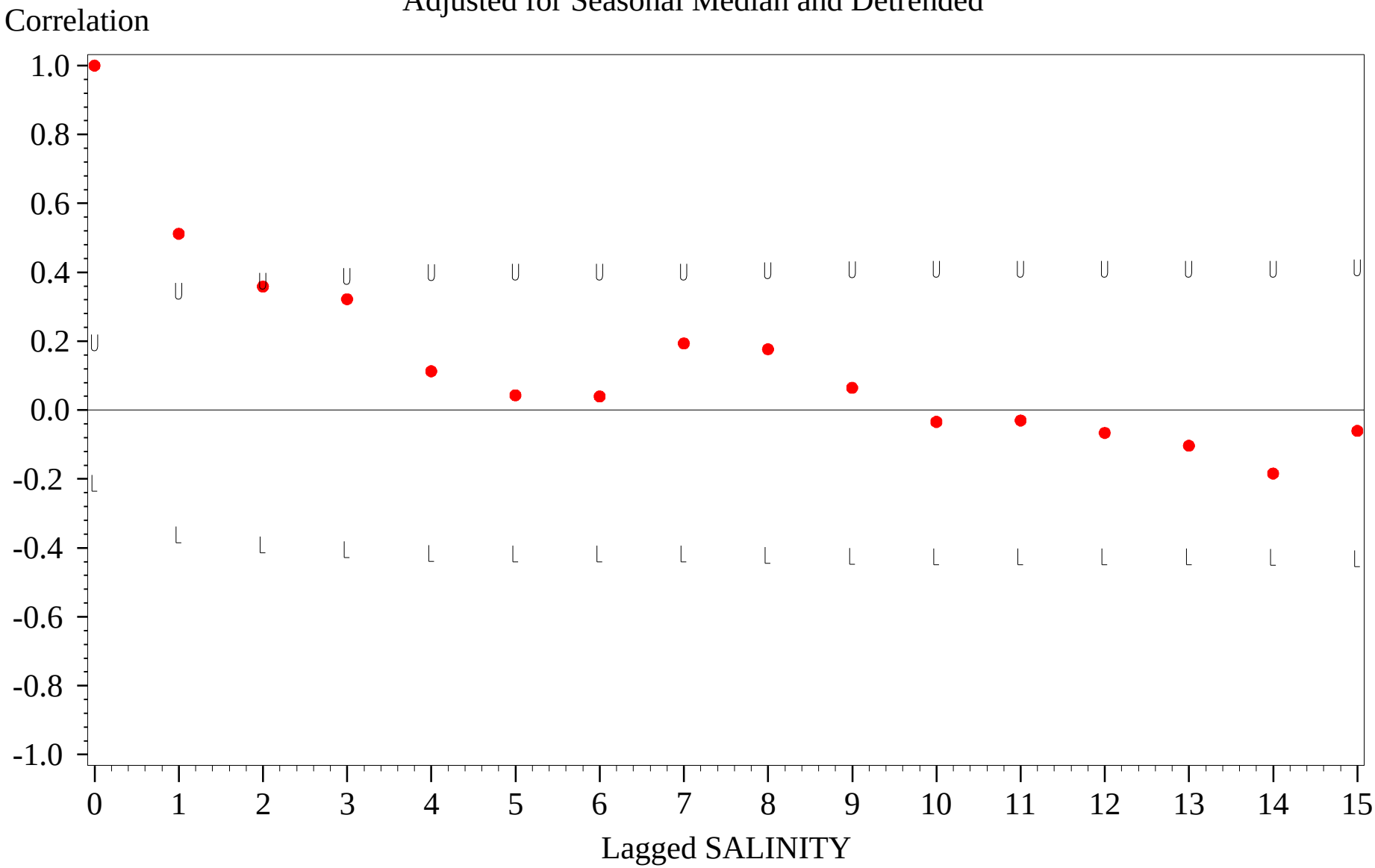
Autocorrelation Statistics for Surface Salinity at FDEP Station 58028SEAS

Adjusted for Seasonal Median and Detrended

Lagged SALINITY	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.512	0.177	0.354	-0.354
2	0.359	0.192	0.383	-0.383
3	0.322	0.198	0.397	-0.397
4	0.113	0.204	0.408	-0.408
5	0.043	0.205	0.409	-0.409
6	0.040	0.205	0.409	-0.409
7	0.194	0.205	0.409	-0.409
8	0.177	0.207	0.413	-0.413
9	0.065	0.208	0.416	-0.416
10	-0.034	0.208	0.417	-0.417
11	-0.030	0.208	0.417	-0.417
12	-0.066	0.208	0.417	-0.417
13	-0.103	0.209	0.417	-0.417
14	-0.184	0.209	0.418	-0.418
15	-0.060	0.211	0.422	-0.422

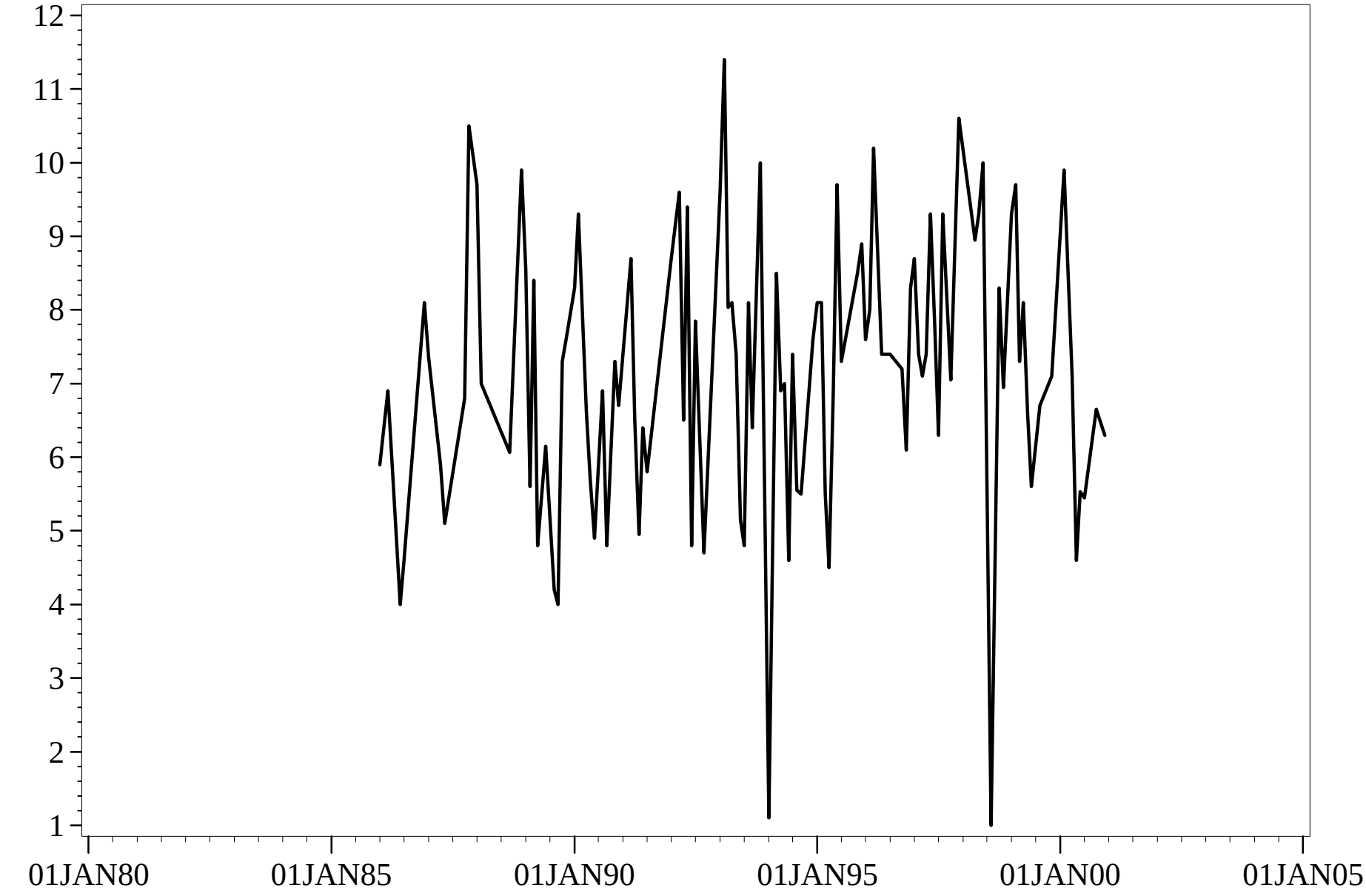
Lemon Bay Trends Appendix - Display 558
Correlogram for Surface Salinity at FDEP Station 58028SEAS

Adjusted for Seasonal Median and Detrended



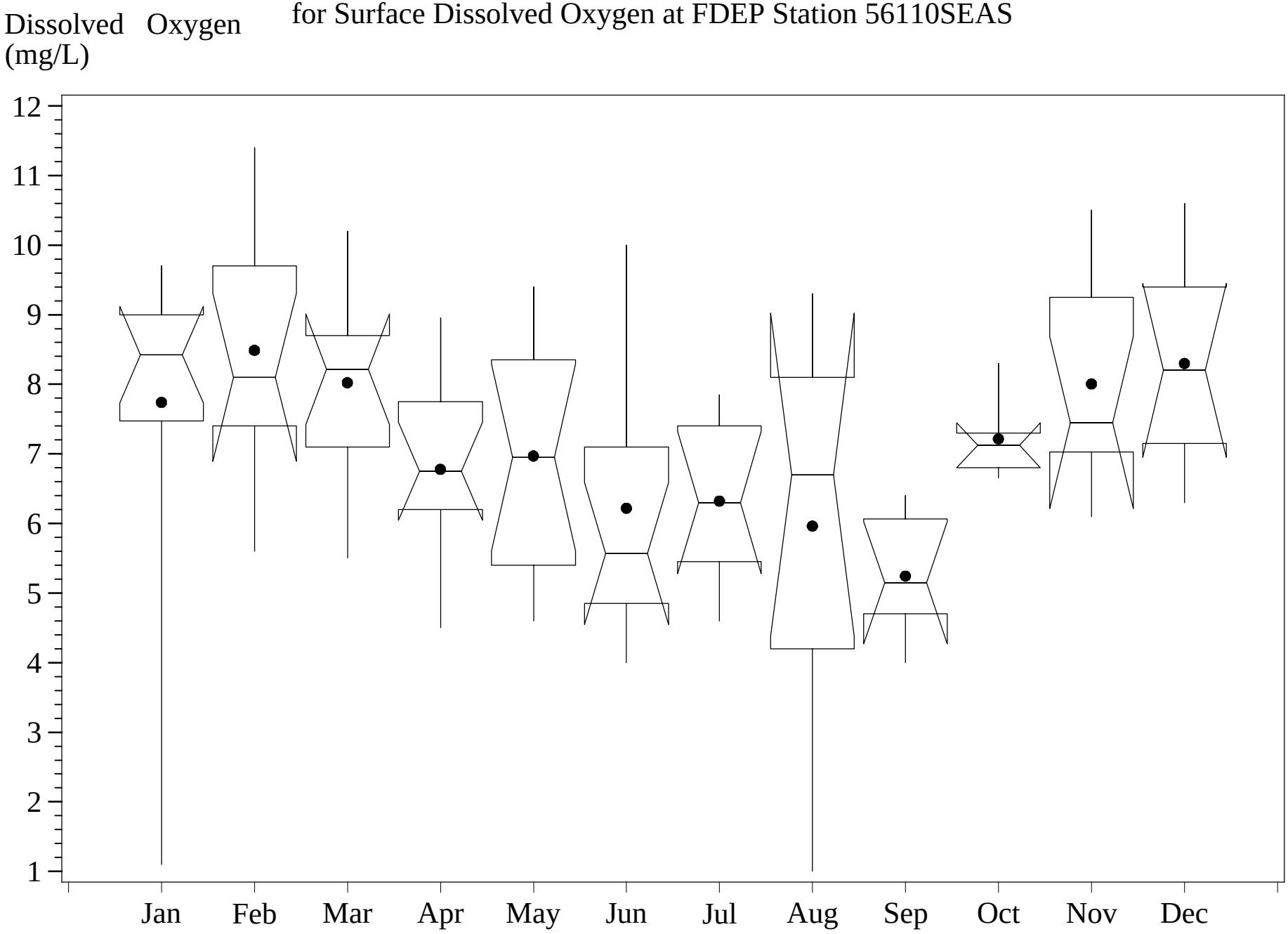
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 559
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56110SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 560

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56110SEAS



Lemon Bay Trends Appendix - Display 561

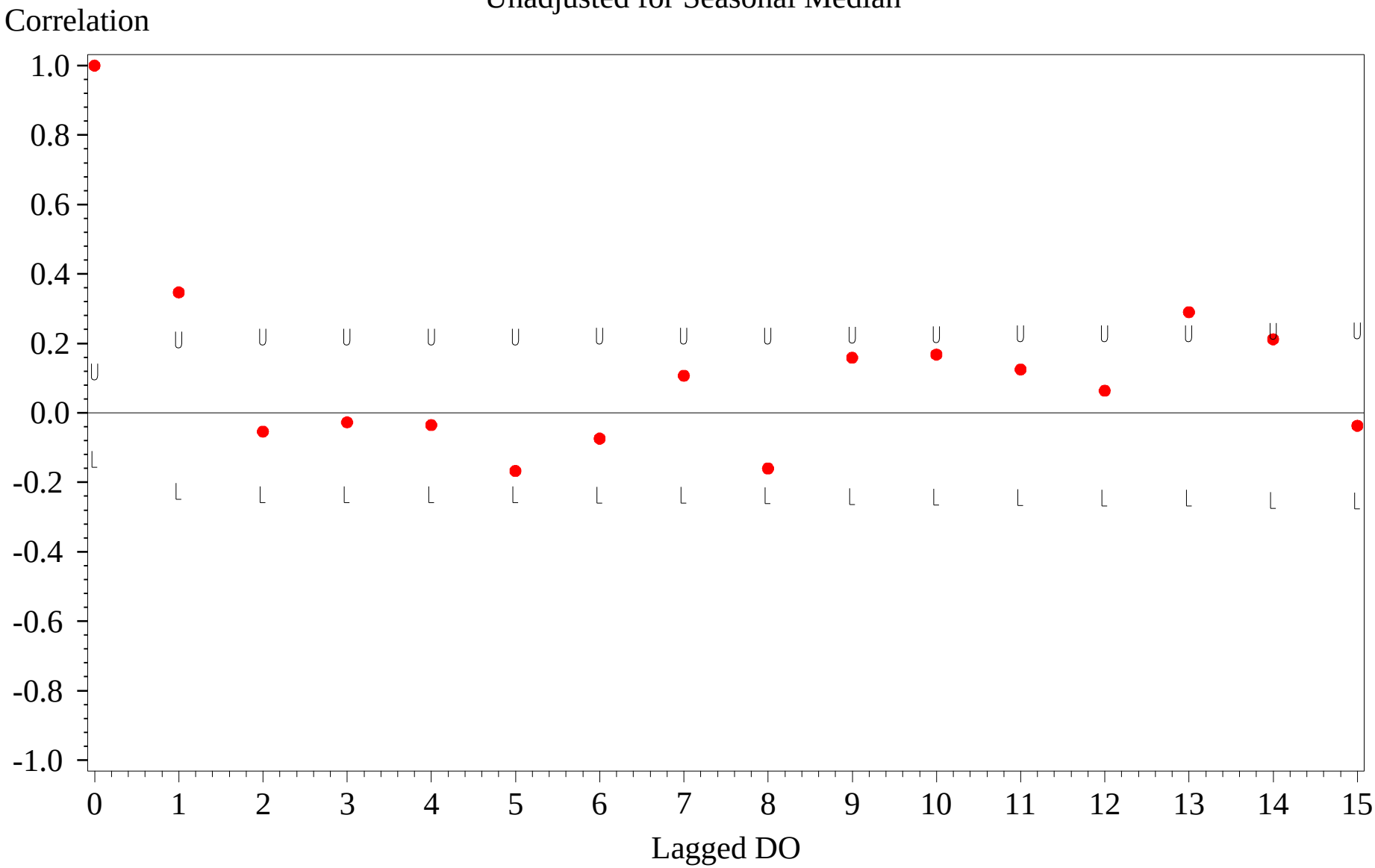
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56110SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.347	0.109	0.218	-0.218
2	-0.054	0.113	0.227	-0.227
3	-0.027	0.113	0.227	-0.227
4	-0.035	0.114	0.227	-0.227
5	-0.167	0.114	0.227	-0.227
6	-0.074	0.115	0.229	-0.229
7	0.107	0.115	0.229	-0.229
8	-0.160	0.115	0.230	-0.230
9	0.159	0.116	0.232	-0.232
10	0.168	0.117	0.234	-0.234
11	0.125	0.118	0.236	-0.236
12	0.064	0.118	0.237	-0.237
13	0.290	0.118	0.237	-0.237
14	0.212	0.121	0.243	-0.243
15	-0.037	0.123	0.245	-0.245

Lemon Bay Trends Appendix - Display 562
Correlogram for Surface Dissolved Oxygen at FDEP Station 56110SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 563

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56110SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.143	0.064	0.133	0.09

Lemon Bay Trends Appendix - Display 564

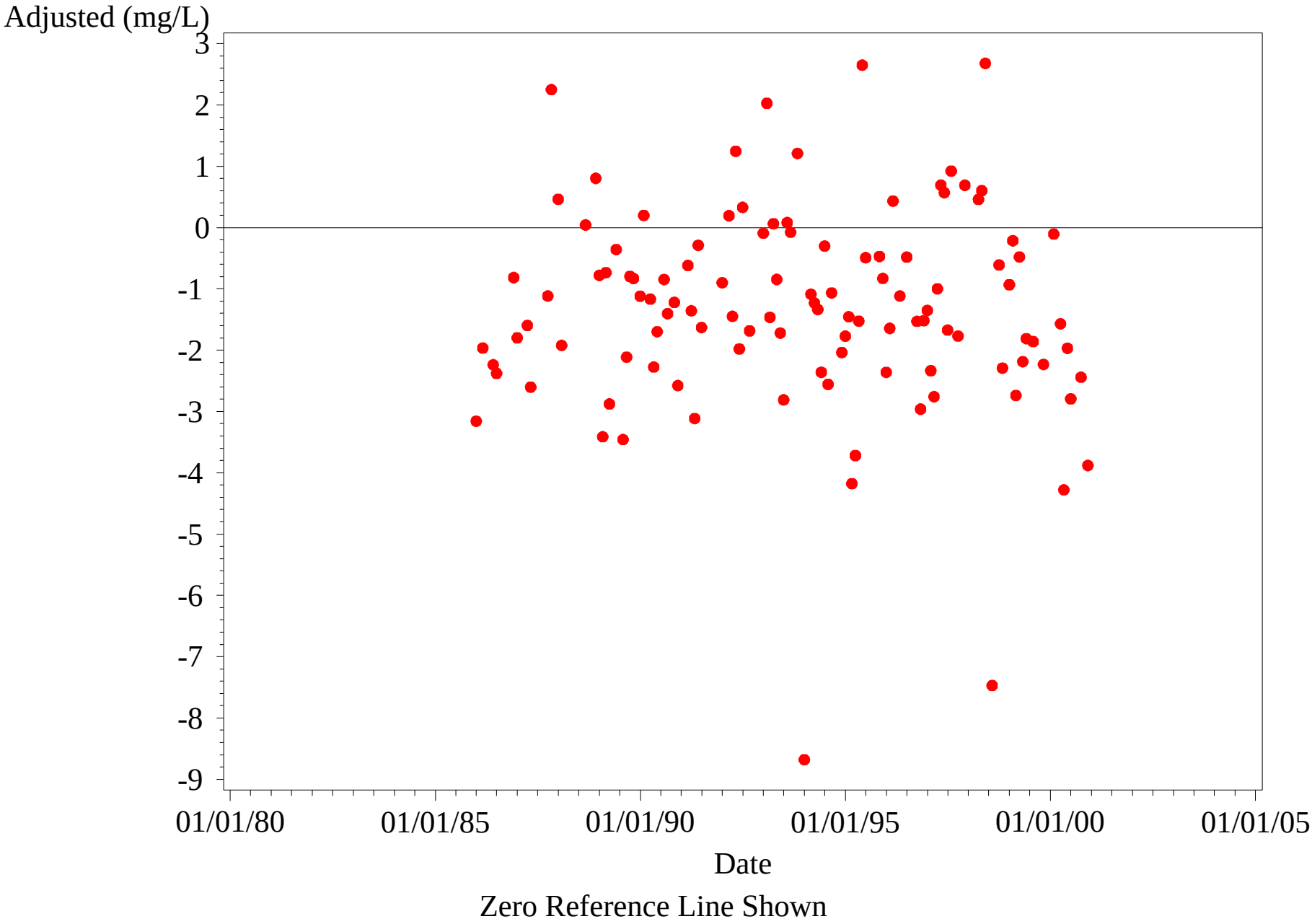
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56110SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14344	0.063762	0.13263	0.090319

Lemon Bay Trends Appendix - Display 565

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56110SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 566

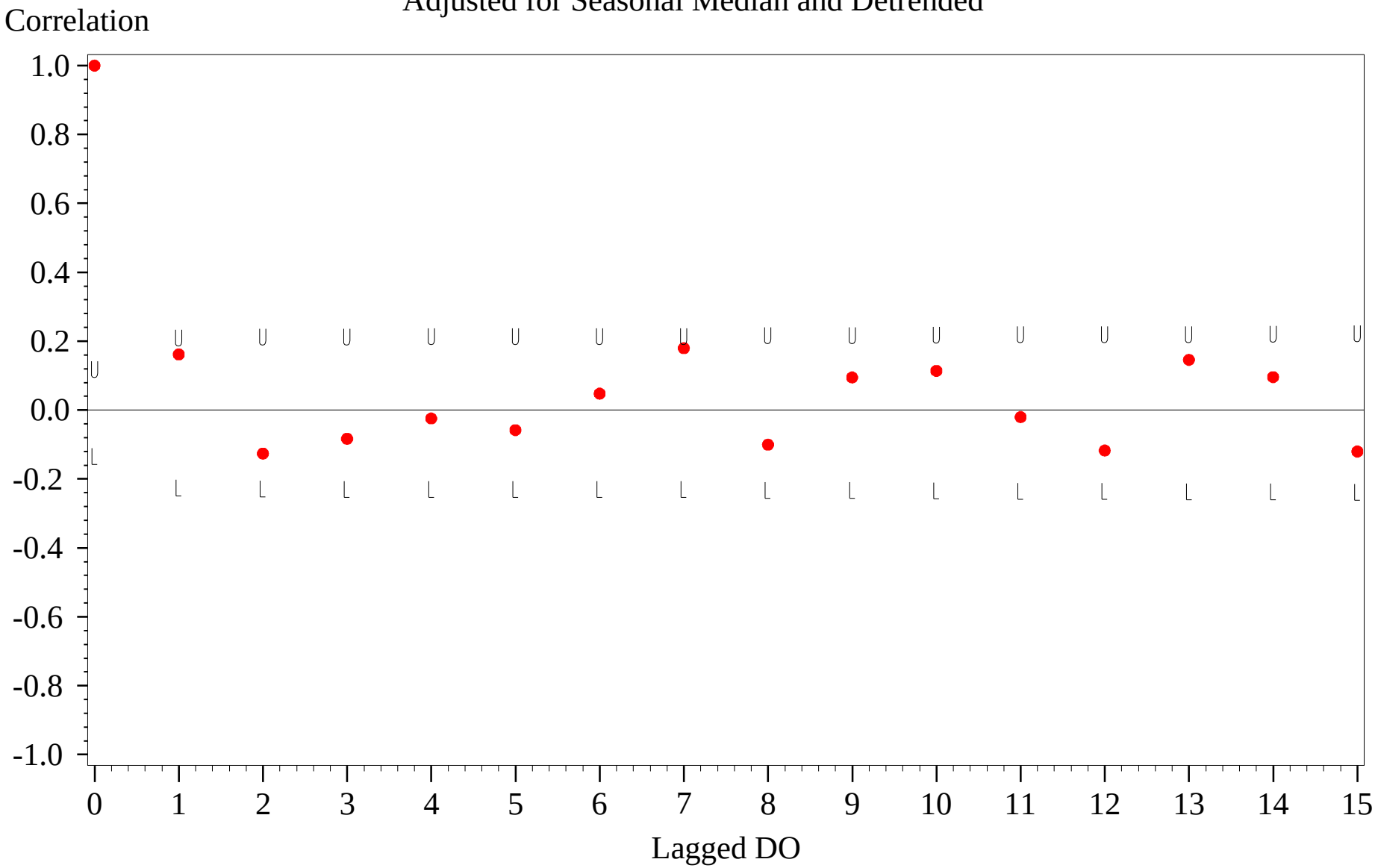
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56110SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.162	0.109	0.218	-0.218
2	-0.126	0.110	0.220	-0.220
3	-0.083	0.111	0.221	-0.221
4	-0.024	0.111	0.222	-0.222
5	-0.058	0.111	0.222	-0.222
6	0.048	0.111	0.222	-0.222
7	0.180	0.111	0.222	-0.222
8	-0.100	0.112	0.225	-0.225
9	0.095	0.113	0.225	-0.225
10	0.114	0.113	0.226	-0.226
11	-0.020	0.113	0.227	-0.227
12	-0.117	0.113	0.227	-0.227
13	0.146	0.114	0.228	-0.228
14	0.096	0.115	0.229	-0.229
15	-0.120	0.115	0.230	-0.230

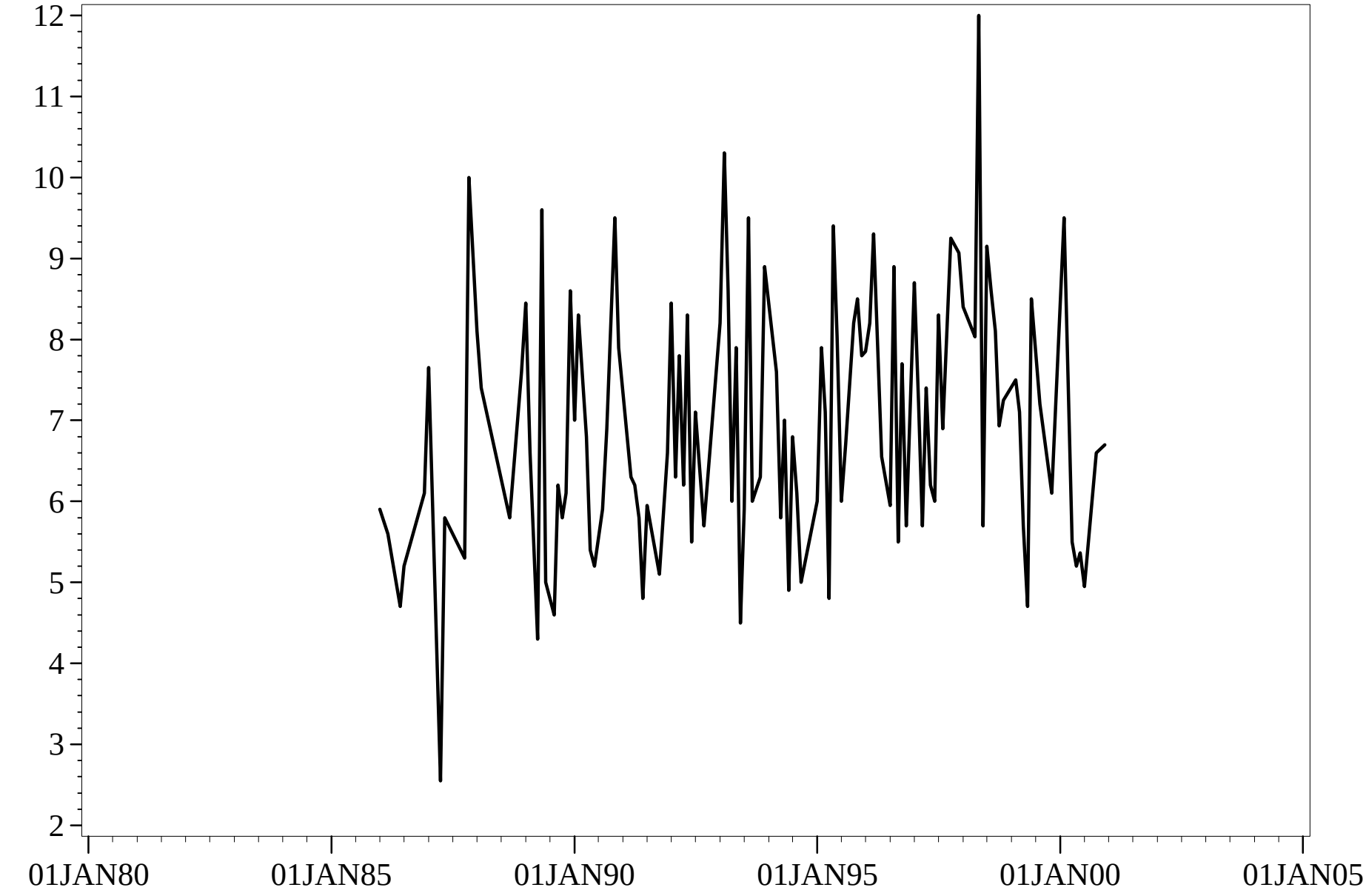
Lemon Bay Trends Appendix - Display 567
Correlogram for Surface Dissolved Oxygen at FDEP Station 56110SEAS

Adjusted for Seasonal Median and Detrended



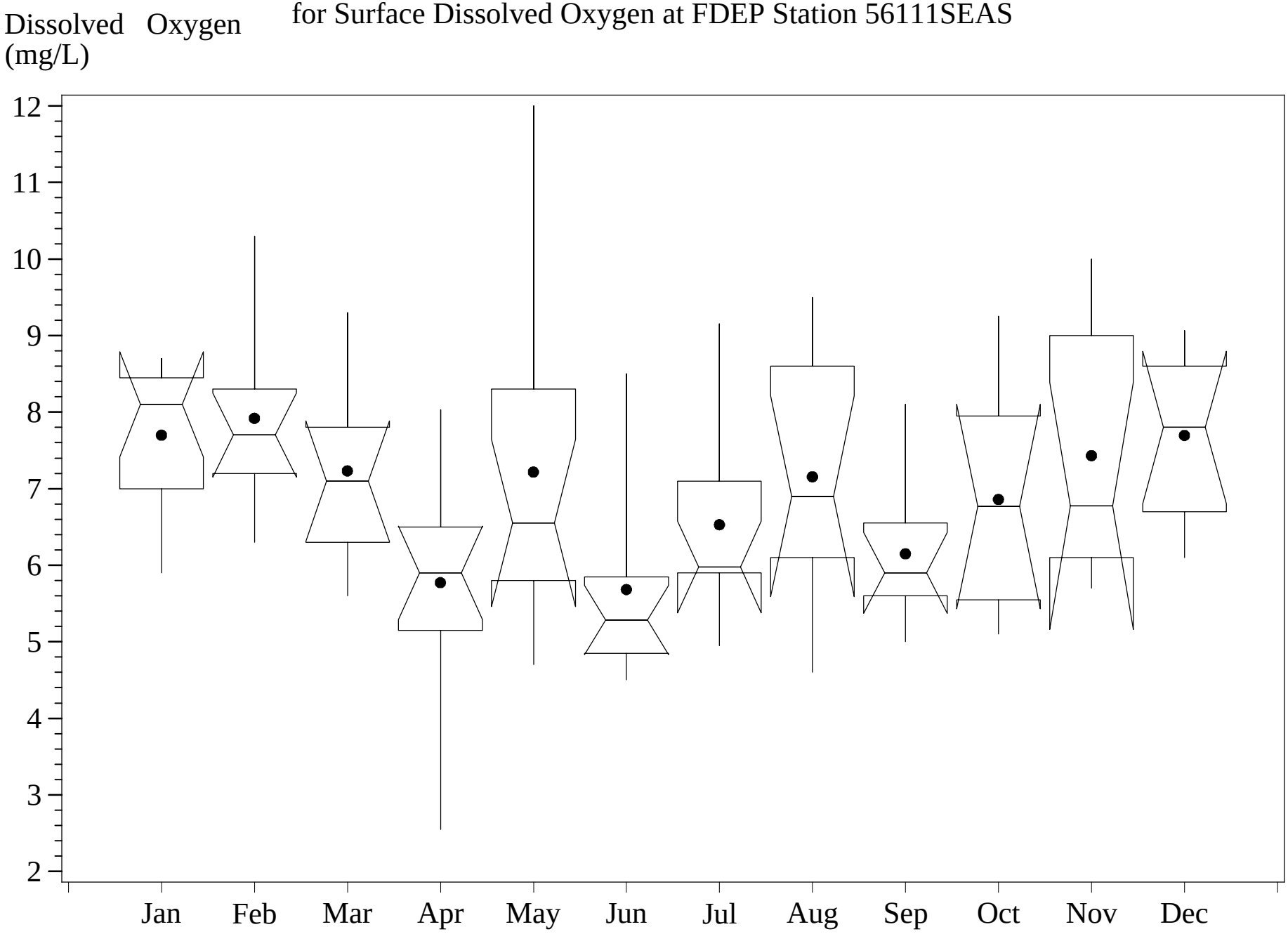
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 568
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56111SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 569

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56111SEAS



Lemon Bay Trends Appendix - Display 570

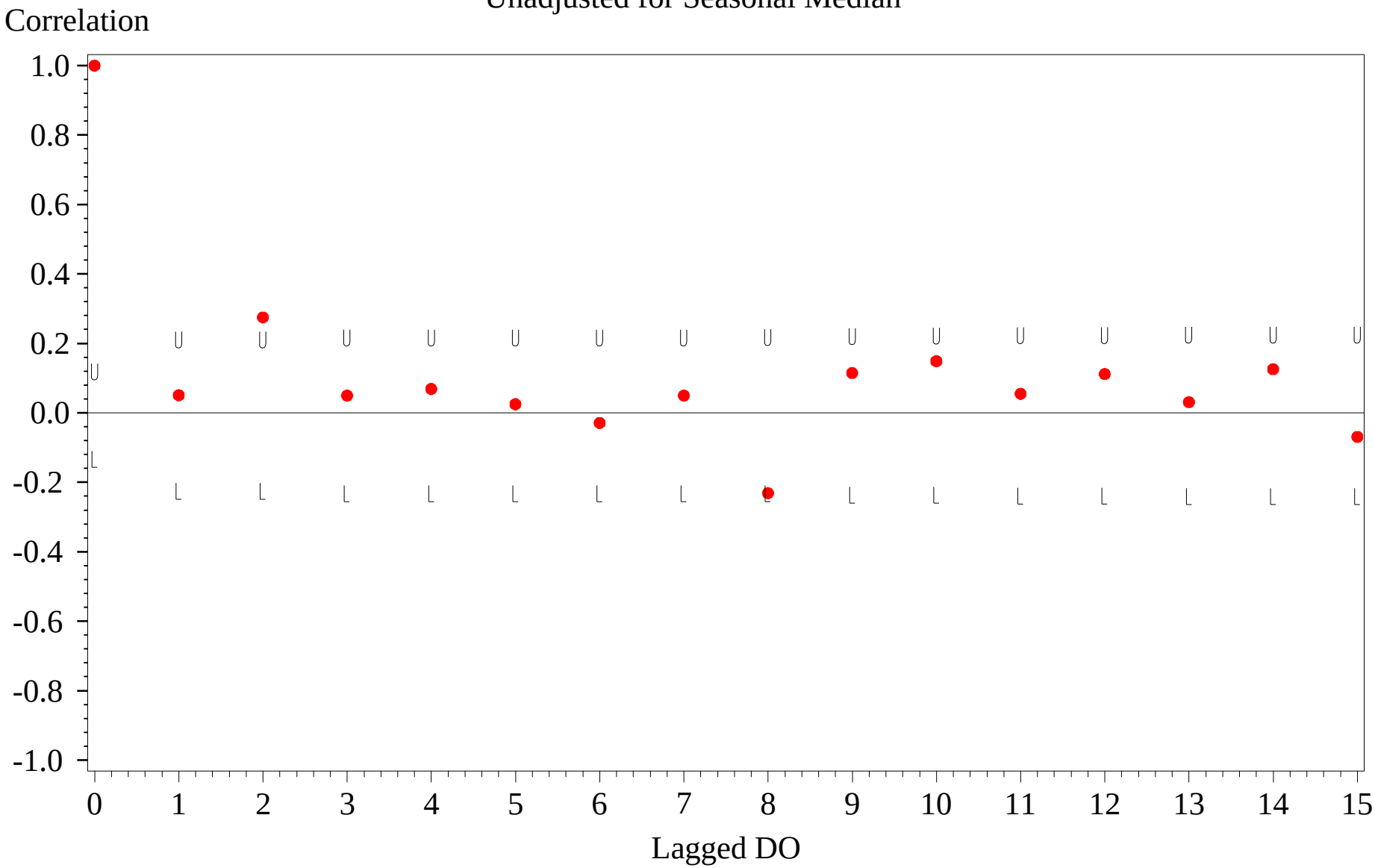
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56111SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.051	0.109	0.218	-0.218
2	0.275	0.109	0.218	-0.218
3	0.050	0.112	0.224	-0.224
4	0.069	0.112	0.224	-0.224
5	0.025	0.112	0.224	-0.224
6	-0.029	0.112	0.224	-0.224
7	0.050	0.112	0.224	-0.224
8	-0.231	0.112	0.225	-0.225
9	0.115	0.114	0.228	-0.228
10	0.149	0.115	0.229	-0.229
11	0.055	0.115	0.231	-0.231
12	0.112	0.116	0.231	-0.231
13	0.031	0.116	0.232	-0.232
14	0.126	0.116	0.232	-0.232
15	-0.069	0.117	0.233	-0.233

Lemon Bay Trends Appendix - Display 571
Correlogram for Surface Dissolved Oxygen at FDEP Station 56111SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 572

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56111SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.166	0.023	0.107	0.083

Lemon Bay Trends Appendix - Display 573

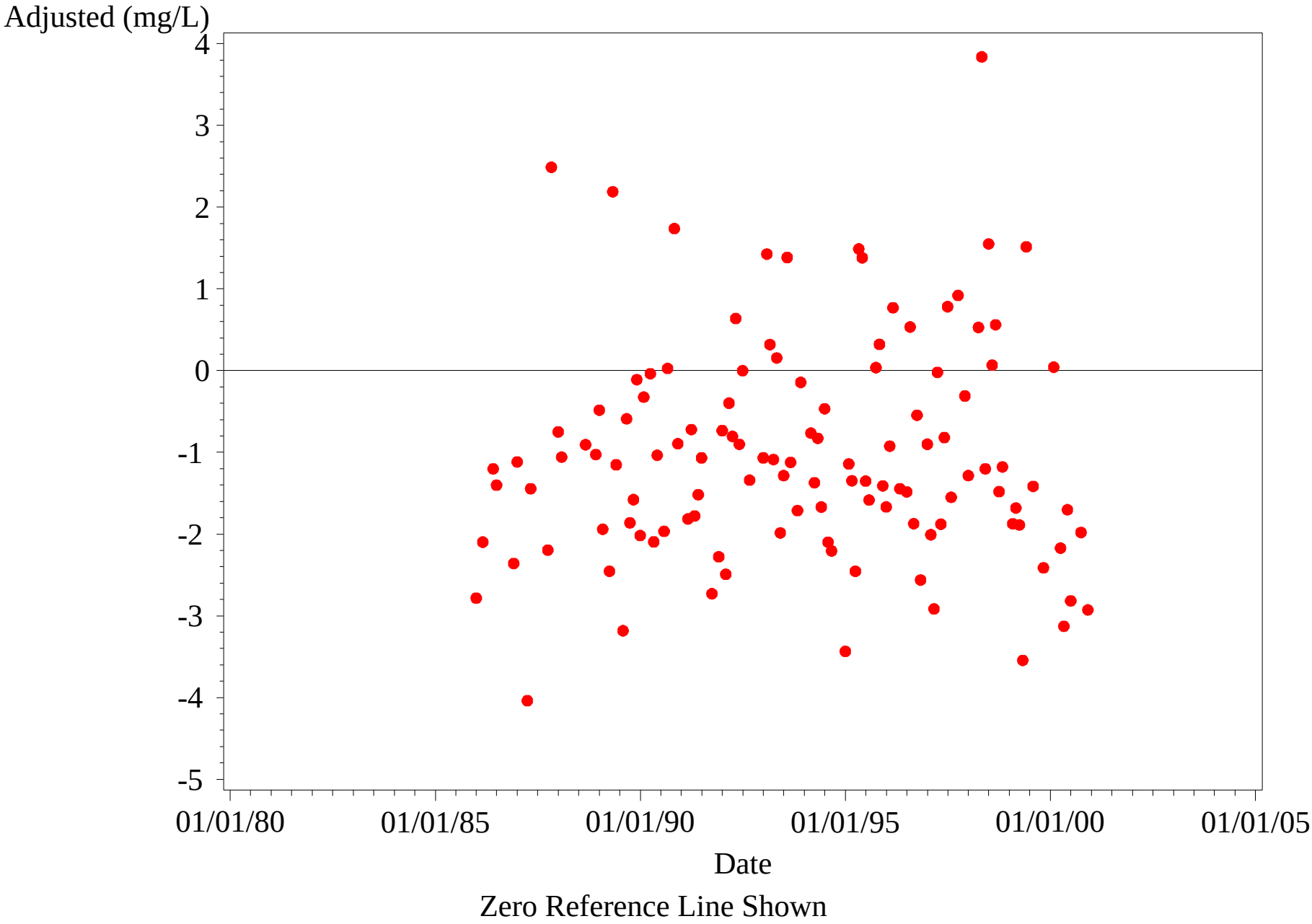
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56111SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.16636	0.023342	0.10722	0.083333

Lemon Bay Trends Appendix - Display 574

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56111SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 575

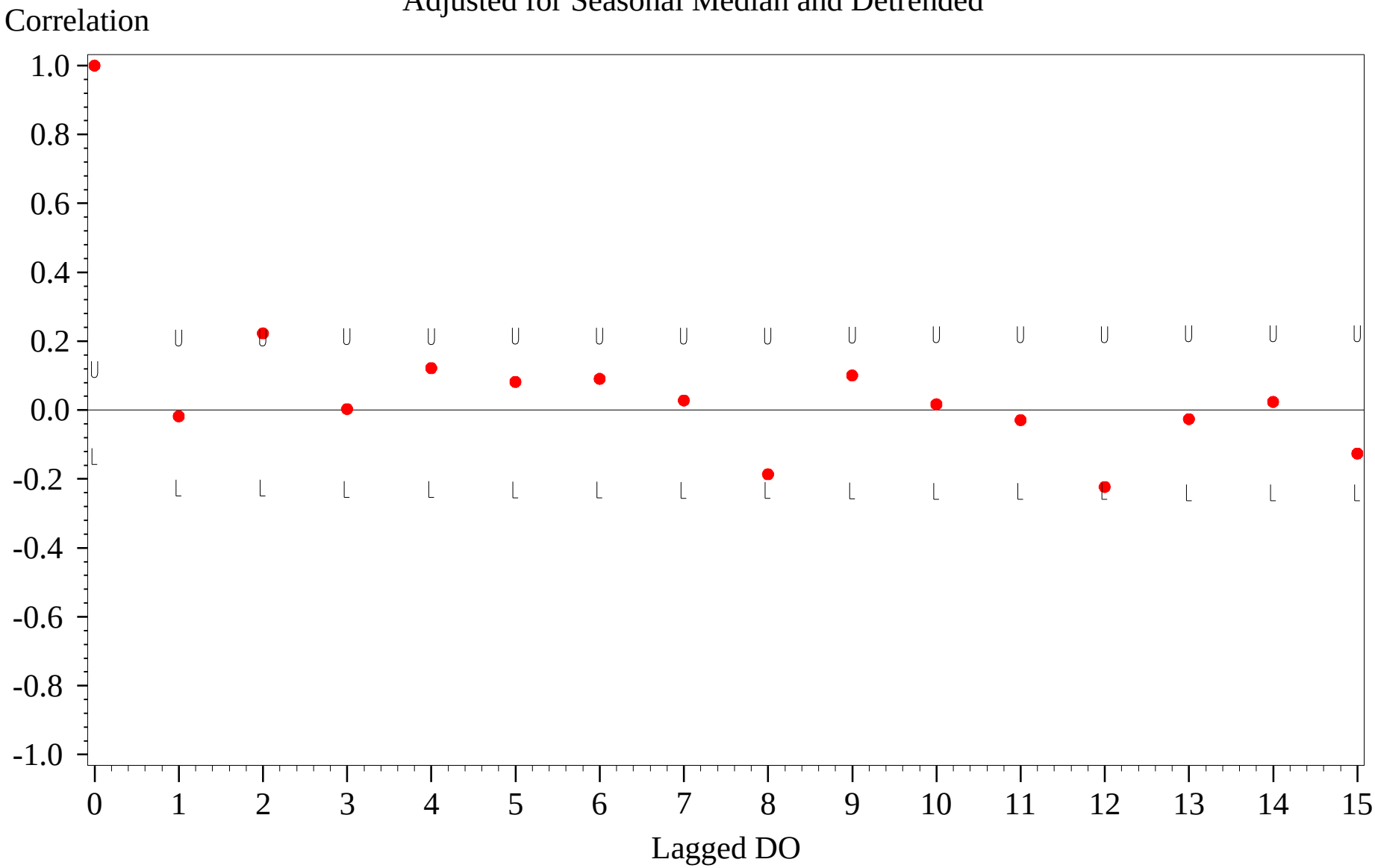
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56111SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	-0.018	0.109	0.218	-0.218
2	0.223	0.109	0.218	-0.218
3	0.003	0.111	0.222	-0.222
4	0.122	0.111	0.222	-0.222
5	0.082	0.111	0.223	-0.223
6	0.091	0.112	0.223	-0.223
7	0.028	0.112	0.224	-0.224
8	-0.186	0.112	0.224	-0.224
9	0.101	0.113	0.226	-0.226
10	0.017	0.114	0.227	-0.227
11	-0.029	0.114	0.227	-0.227
12	-0.223	0.114	0.227	-0.227
13	-0.026	0.115	0.231	-0.231
14	0.024	0.115	0.231	-0.231
15	-0.126	0.115	0.231	-0.231

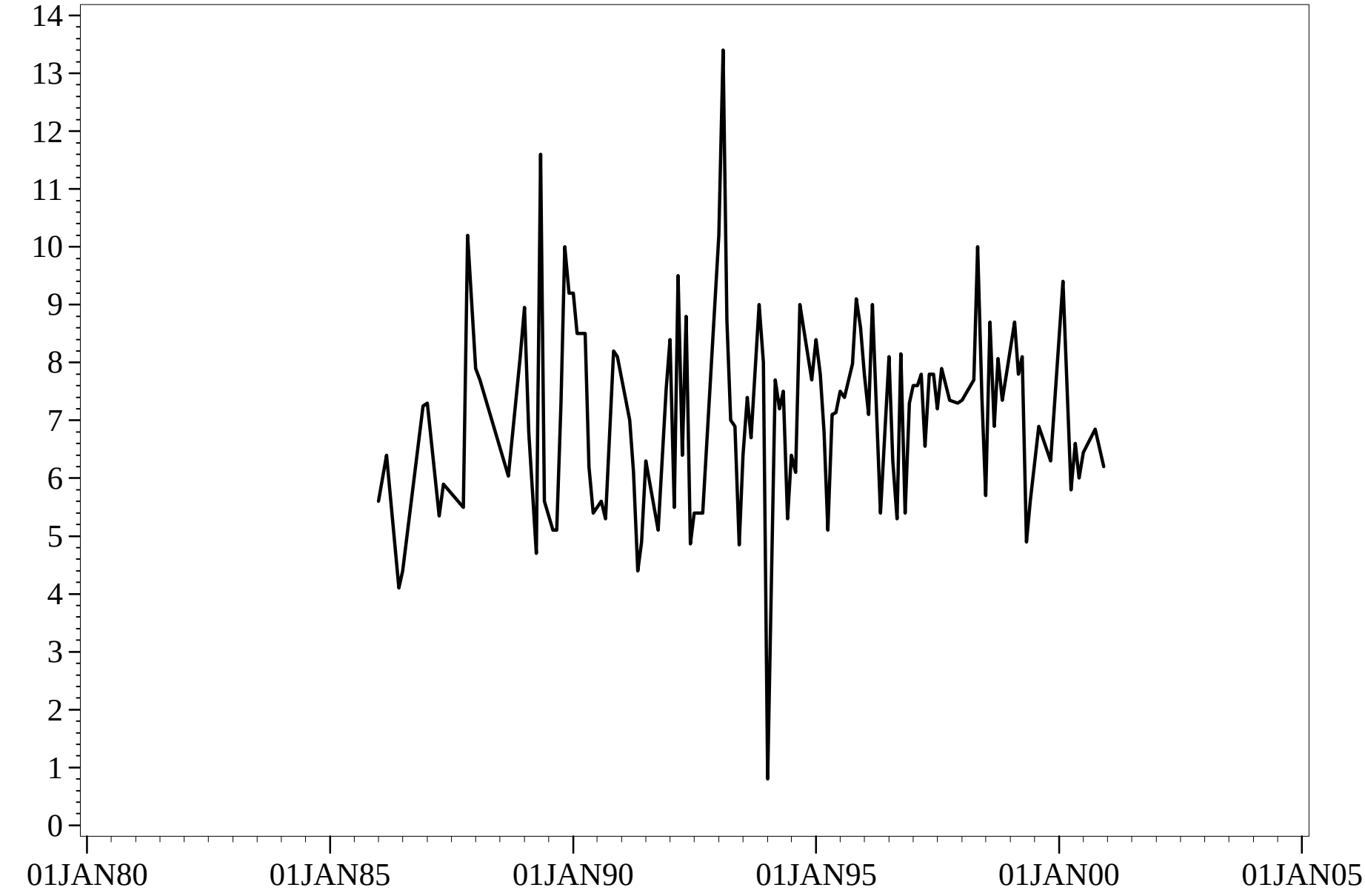
Lemon Bay Trends Appendix - Display 576
Correlogram for Surface Dissolved Oxygen at FDEP Station 56111SEAS

Adjusted for Seasonal Median and Detrended



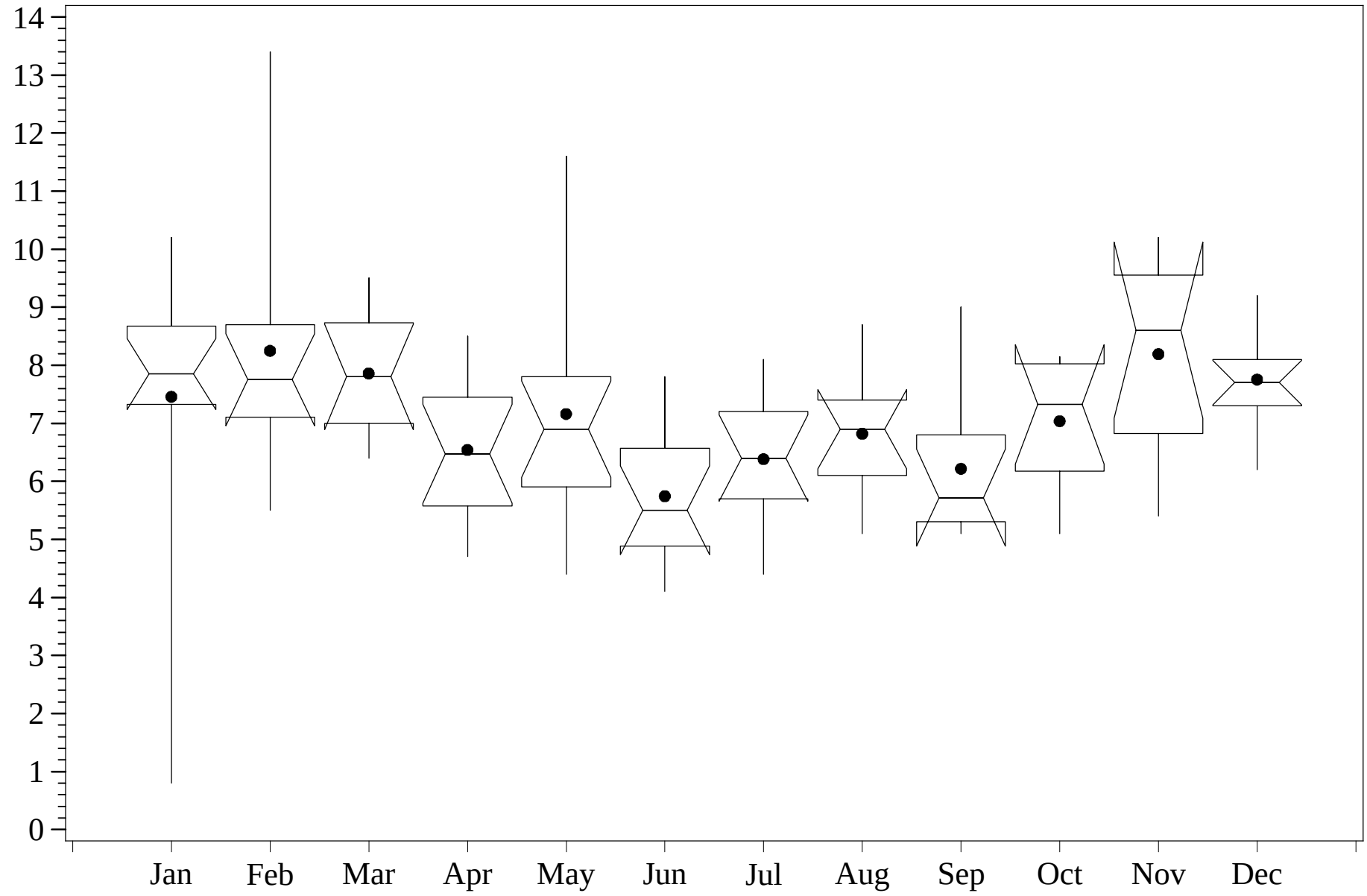
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 577
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56112SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 578

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56112SEAS



Lemon Bay Trends Appendix - Display 579

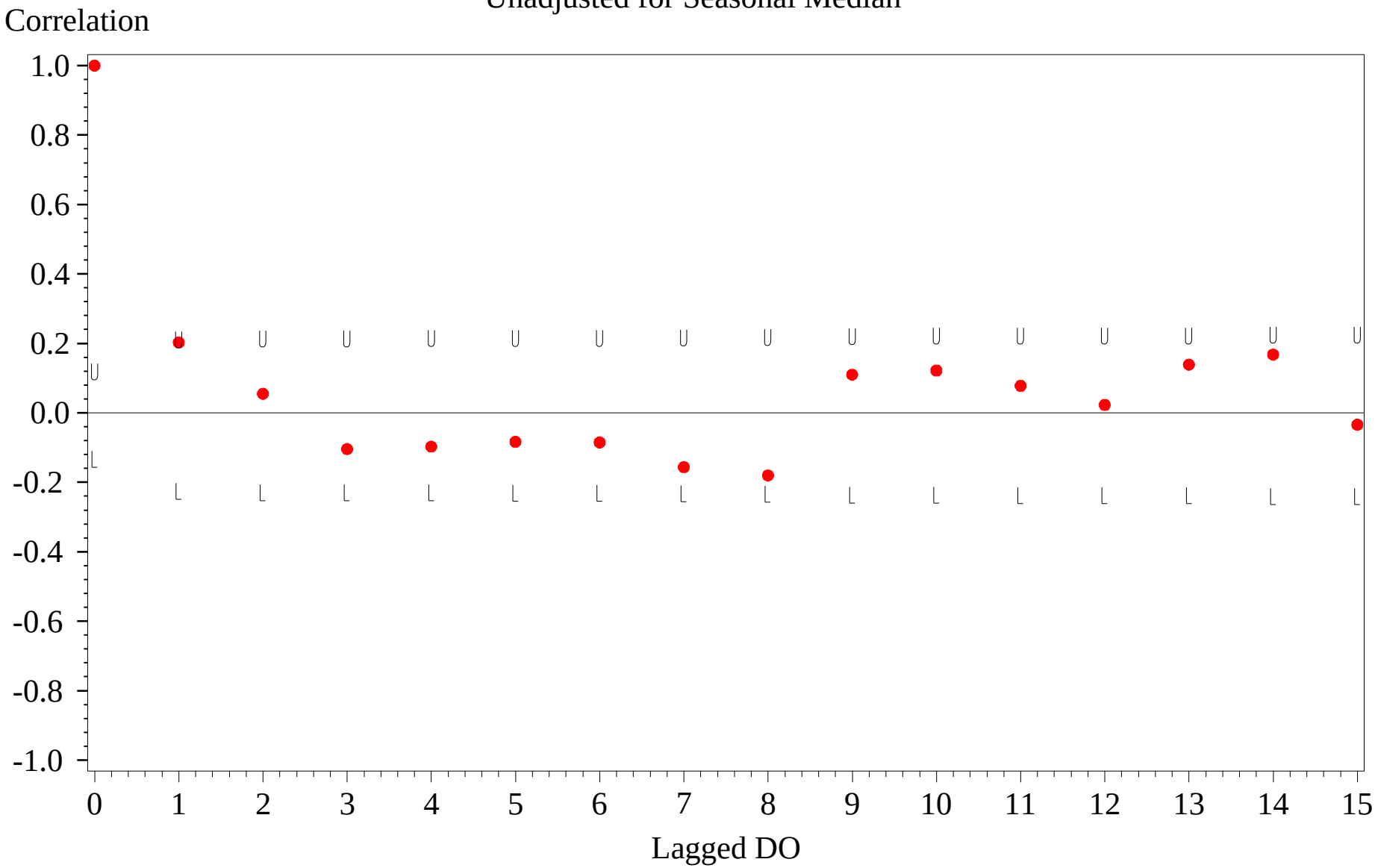
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56112SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.203	0.109	0.218	-0.218
2	0.055	0.111	0.221	-0.221
3	-0.104	0.111	0.221	-0.221
4	-0.097	0.111	0.222	-0.222
5	-0.083	0.111	0.223	-0.223
6	-0.085	0.112	0.223	-0.223
7	-0.156	0.112	0.224	-0.224
8	-0.180	0.113	0.226	-0.226
9	0.110	0.114	0.228	-0.228
10	0.122	0.114	0.229	-0.229
11	0.078	0.115	0.230	-0.230
12	0.023	0.115	0.230	-0.230
13	0.139	0.115	0.230	-0.230
14	0.168	0.116	0.232	-0.232
15	-0.034	0.117	0.233	-0.233

Lemon Bay Trends Appendix - Display 580
Correlogram for Surface Dissolved Oxygen at FDEP Station 56112SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 581

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56112SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.151	0.037	0.081	0.085

Lemon Bay Trends Appendix - Display 582

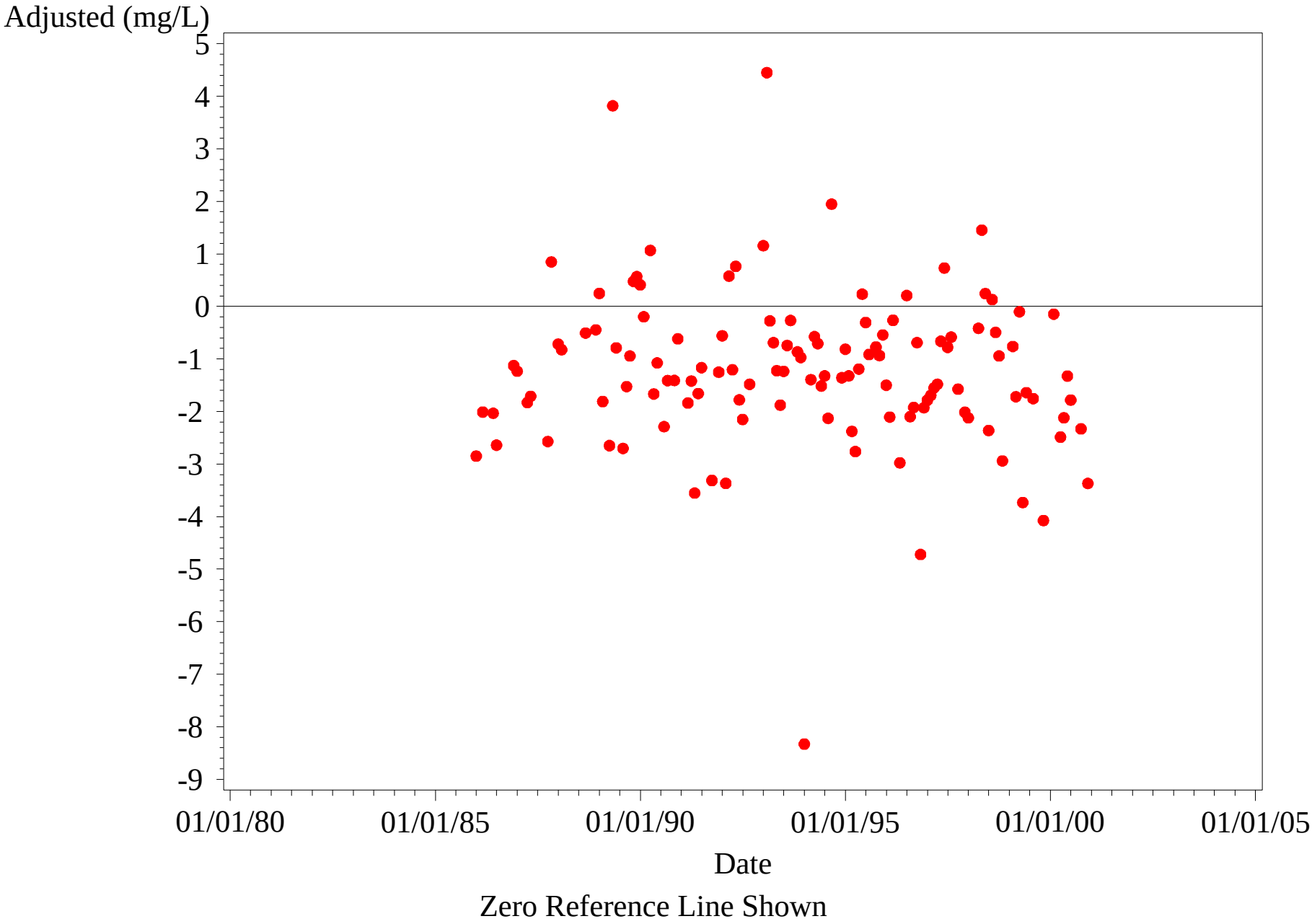
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56112SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.15078	0.036645	0.080826	0.085222

Lemon Bay Trends Appendix - Display 583

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56112SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 584

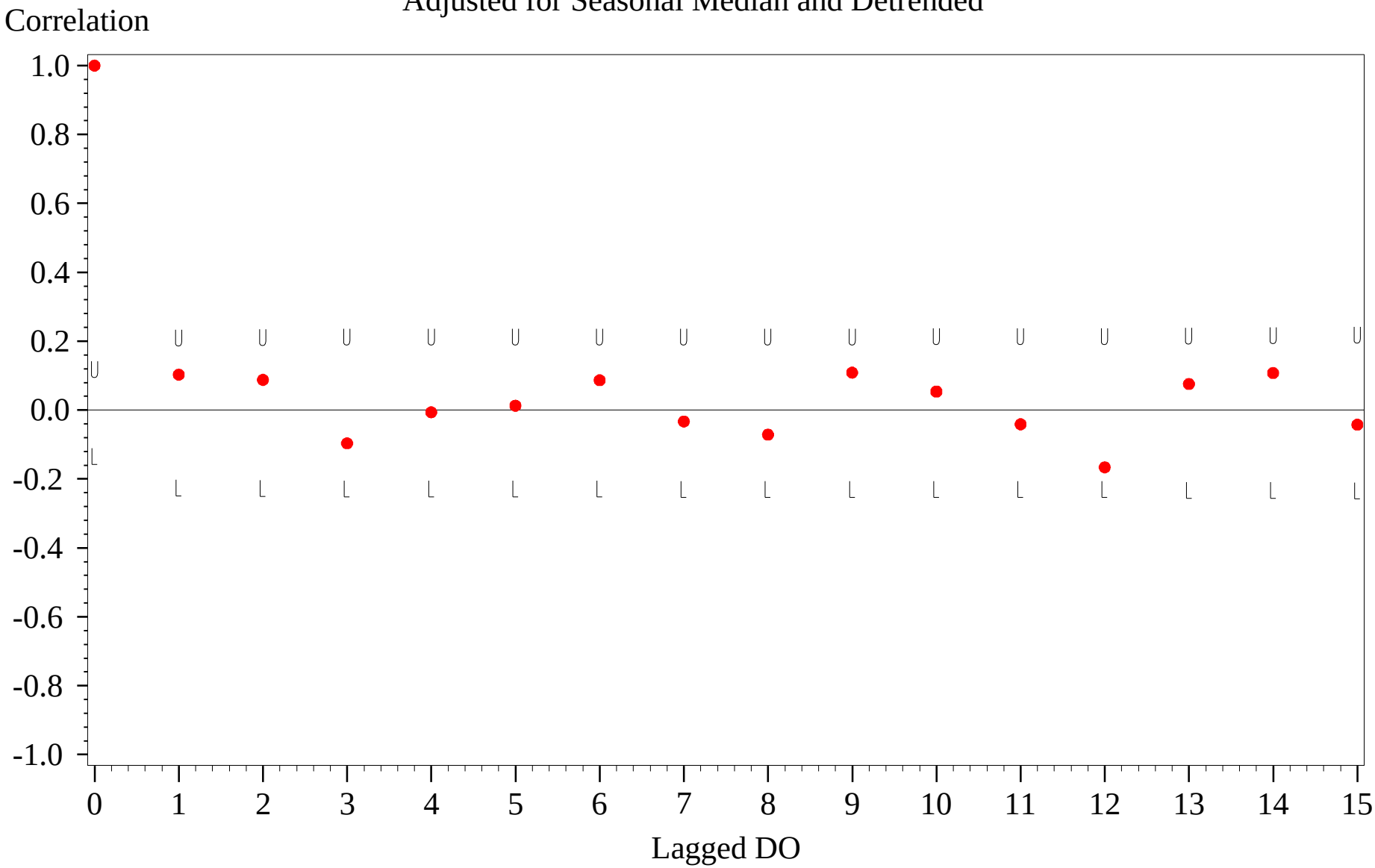
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56112SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.103	0.109	0.218	-0.218
2	0.088	0.109	0.219	-0.219
3	-0.096	0.110	0.220	-0.220
4	-0.006	0.110	0.220	-0.220
5	0.013	0.110	0.220	-0.220
6	0.087	0.110	0.220	-0.220
7	-0.033	0.110	0.221	-0.221
8	-0.071	0.110	0.221	-0.221
9	0.109	0.111	0.221	-0.221
10	0.054	0.111	0.222	-0.222
11	-0.041	0.111	0.222	-0.222
12	-0.166	0.111	0.222	-0.222
13	0.076	0.112	0.224	-0.224
14	0.108	0.112	0.225	-0.225
15	-0.042	0.113	0.226	-0.226

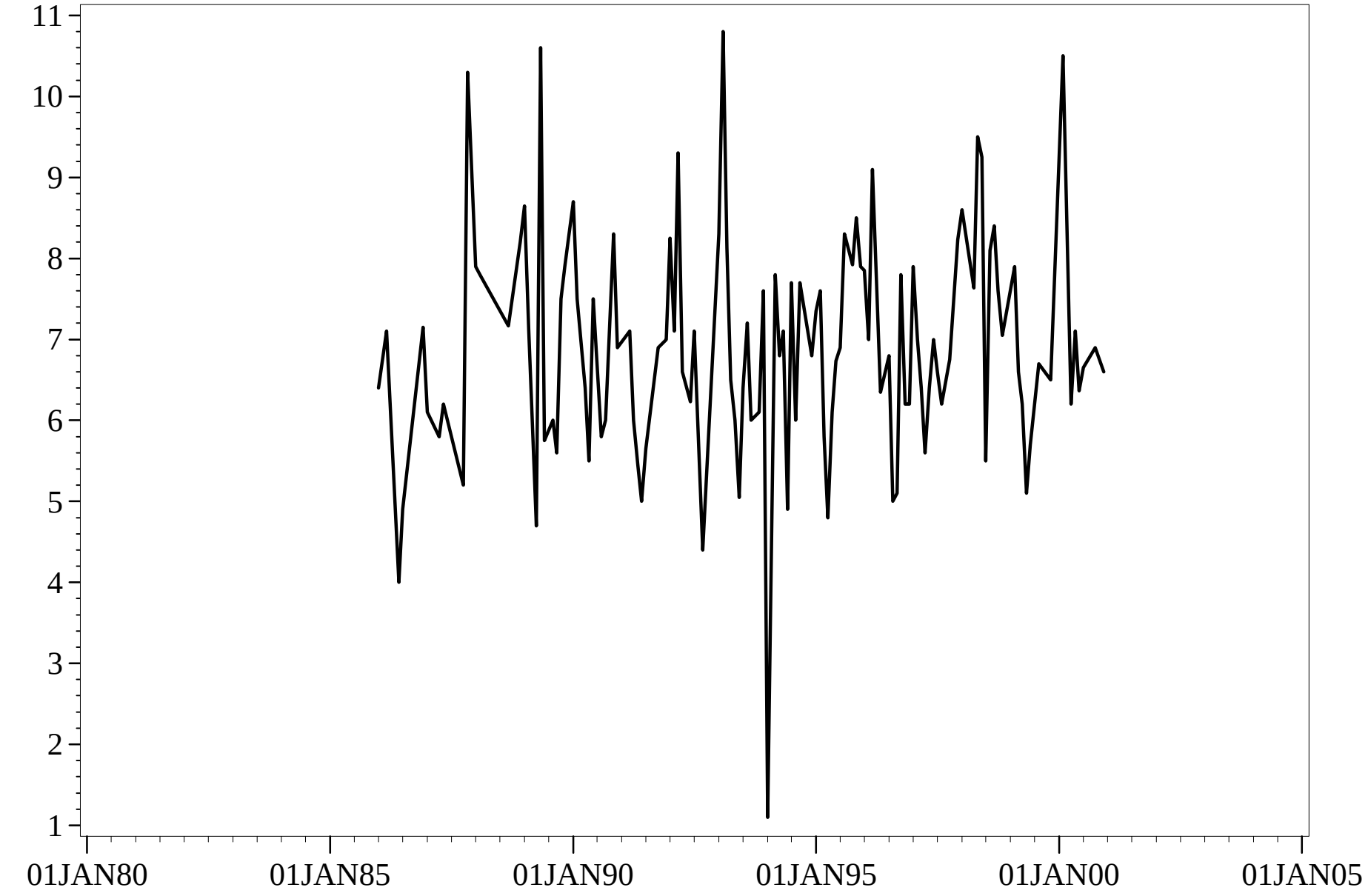
Lemon Bay Trends Appendix - Display 585
Correlogram for Surface Dissolved Oxygen at FDEP Station 56112SEAS

Adjusted for Seasonal Median and Detrended



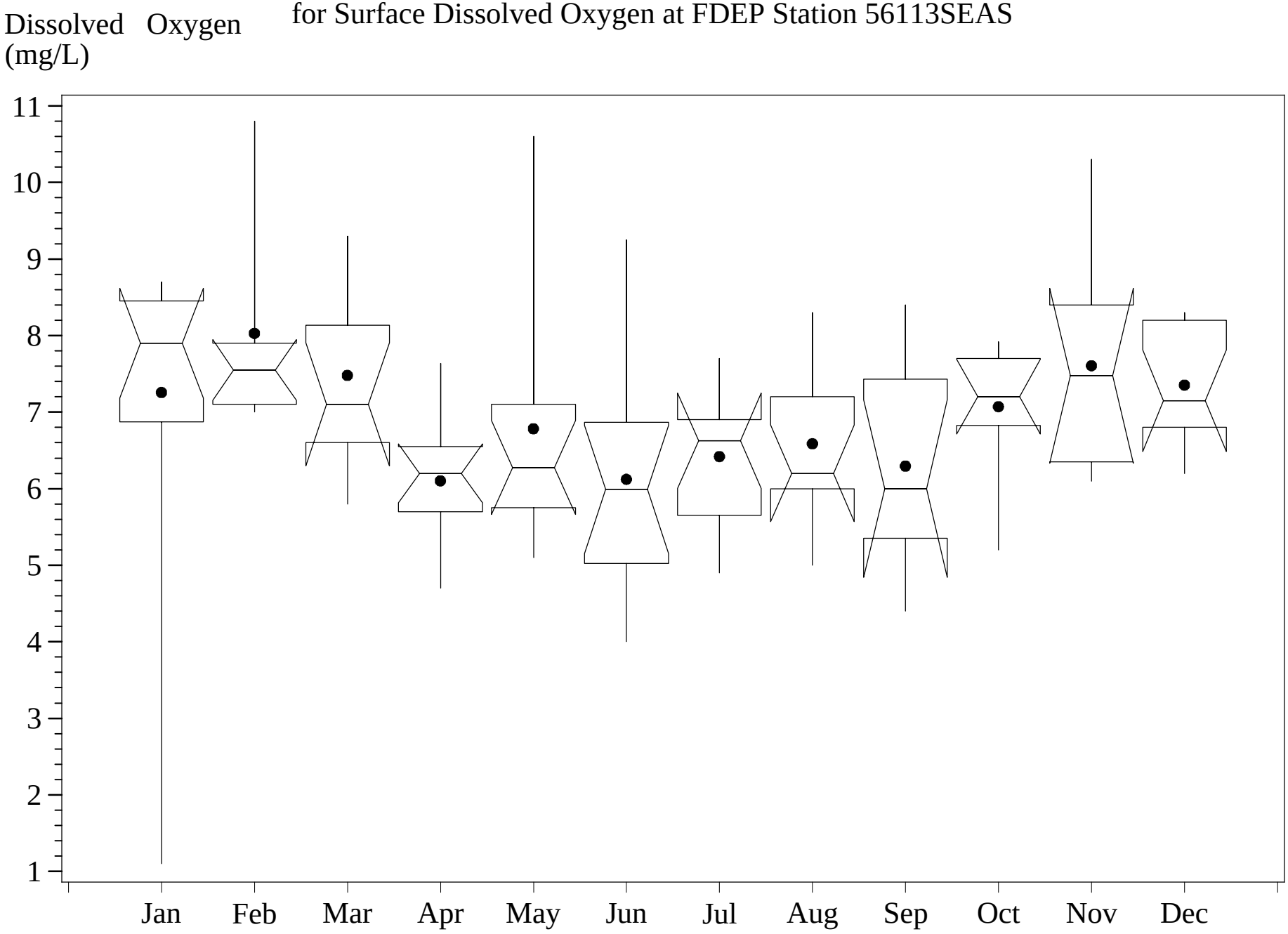
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 586
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56113SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 587

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56113SEAS



Lemon Bay Trends Appendix - Display 588

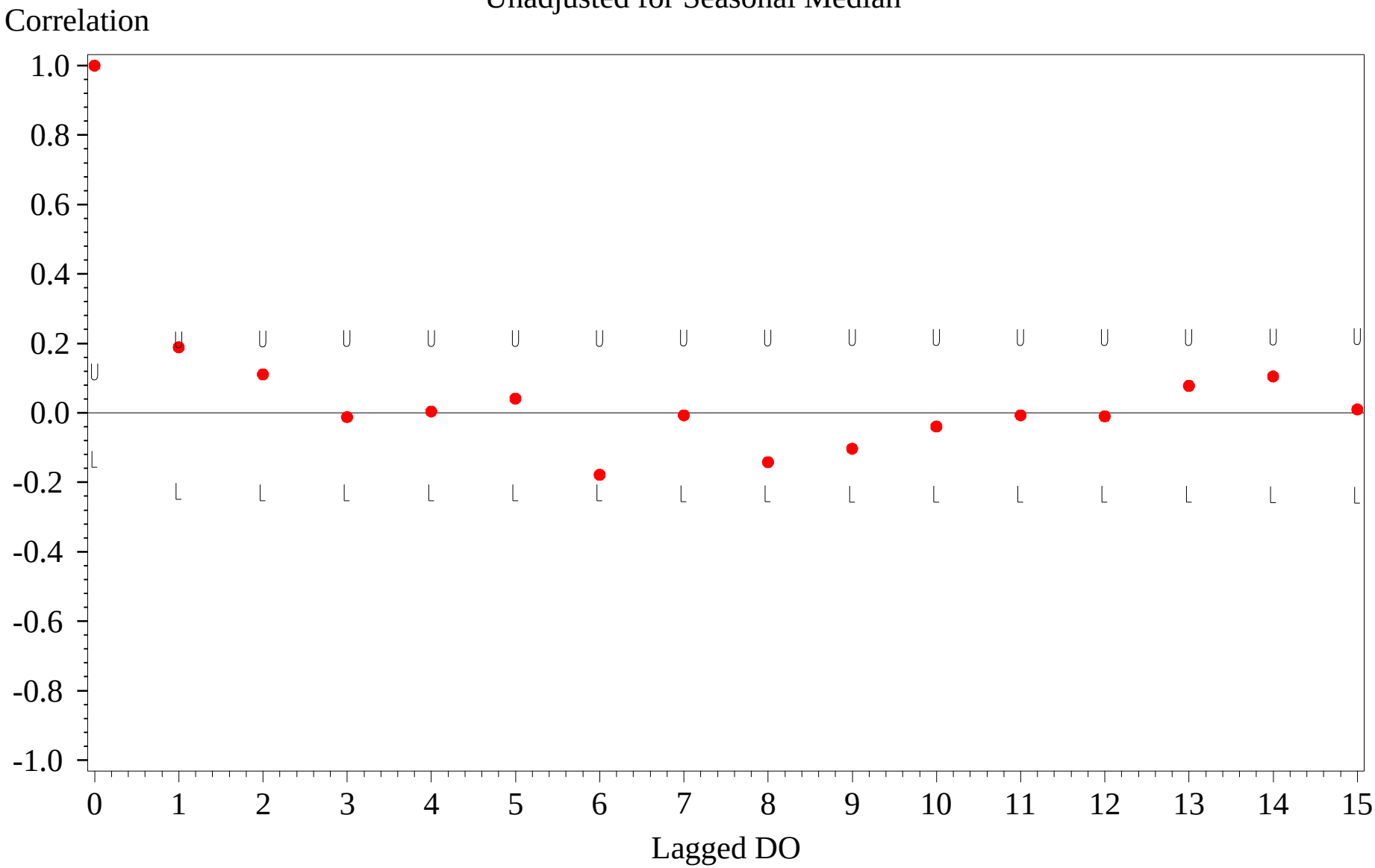
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56113SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.189	0.109	0.218	-0.218
2	0.111	0.110	0.221	-0.221
3	-0.012	0.111	0.222	-0.222
4	0.004	0.111	0.222	-0.222
5	0.041	0.111	0.222	-0.222
6	-0.178	0.111	0.222	-0.222
7	-0.007	0.112	0.224	-0.224
8	-0.142	0.112	0.224	-0.224
9	-0.103	0.113	0.226	-0.226
10	-0.039	0.113	0.226	-0.226
11	-0.007	0.113	0.226	-0.226
12	-0.010	0.113	0.226	-0.226
13	0.078	0.113	0.226	-0.226
14	0.105	0.113	0.227	-0.227
15	0.010	0.114	0.228	-0.228

Lemon Bay Trends Appendix - Display 589
Correlogram for Surface Dissolved Oxygen at FDEP Station 56113SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 590

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56113SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.081	0.266	0.323	0.04

Lemon Bay Trends Appendix - Display 591

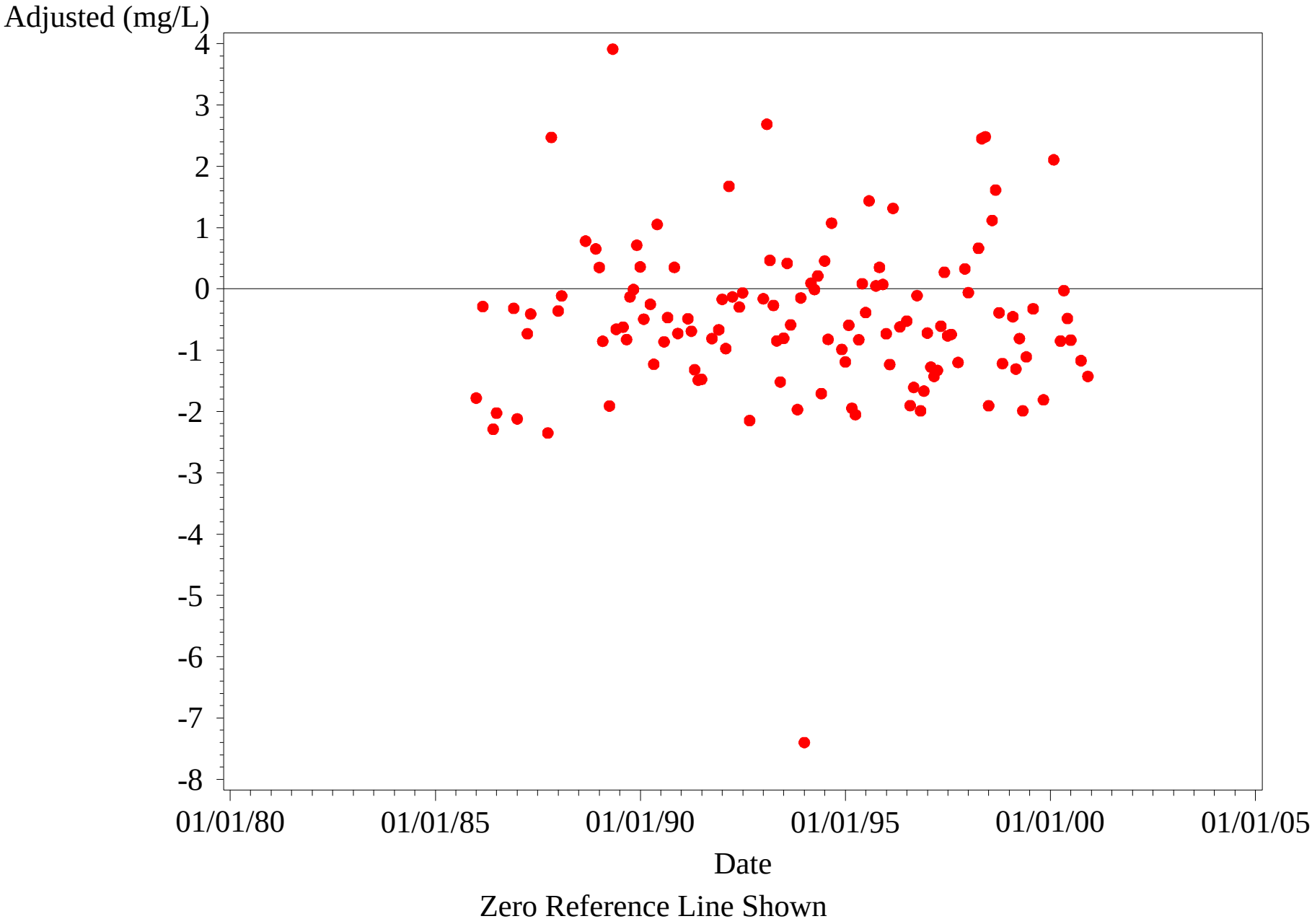
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56113SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.081416	0.26600	0.32310	0.04

Lemon Bay Trends Appendix - Display 592

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56113SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 593

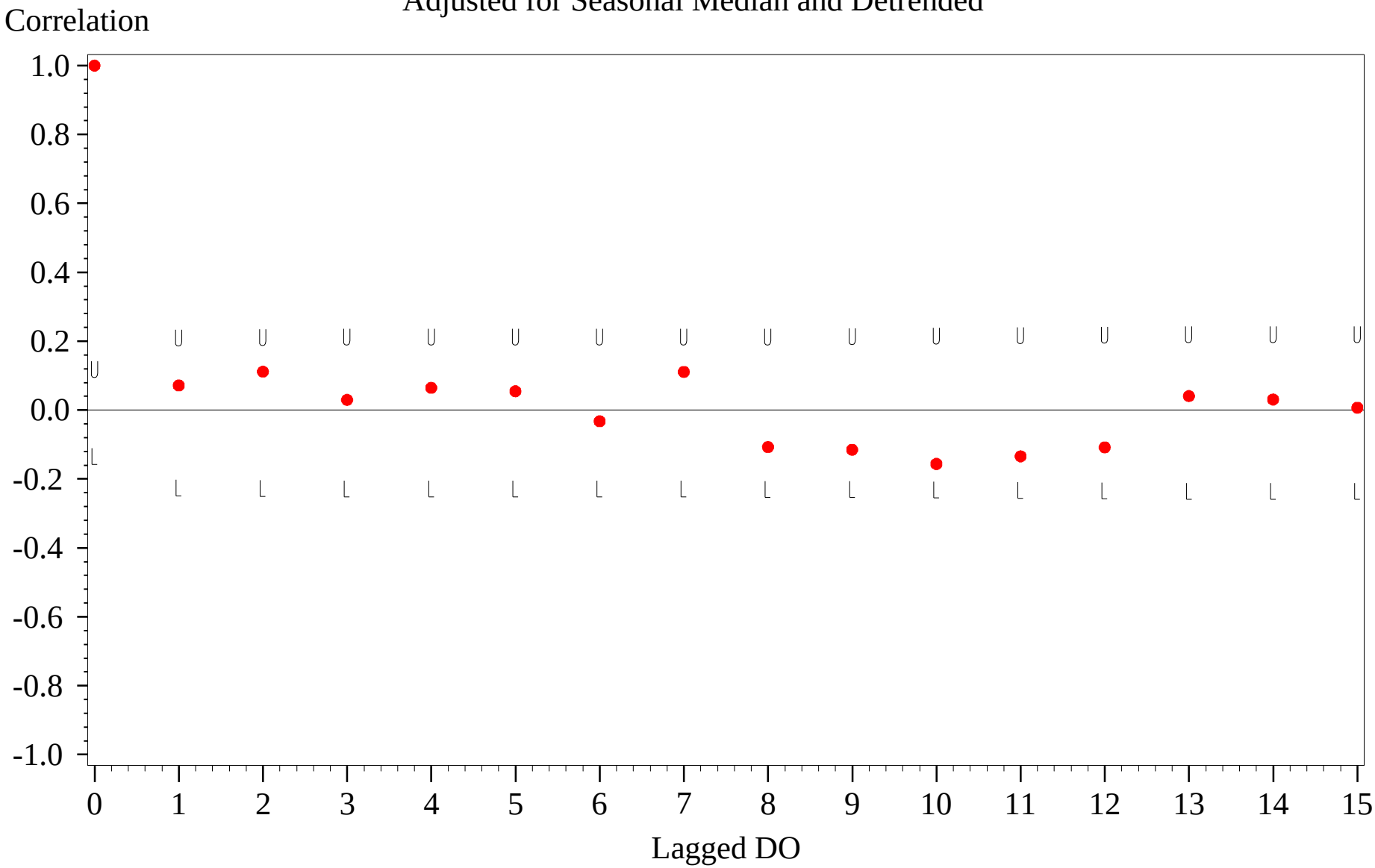
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56113SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.072	0.109	0.218	-0.218
2	0.112	0.109	0.219	-0.219
3	0.030	0.110	0.220	-0.220
4	0.065	0.110	0.220	-0.220
5	0.055	0.110	0.220	-0.220
6	-0.032	0.110	0.220	-0.220
7	0.111	0.110	0.220	-0.220
8	-0.107	0.111	0.221	-0.221
9	-0.115	0.111	0.222	-0.222
10	-0.156	0.111	0.223	-0.223
11	-0.134	0.112	0.225	-0.225
12	-0.108	0.113	0.226	-0.226
13	0.041	0.113	0.227	-0.227
14	0.031	0.113	0.227	-0.227
15	0.007	0.113	0.227	-0.227

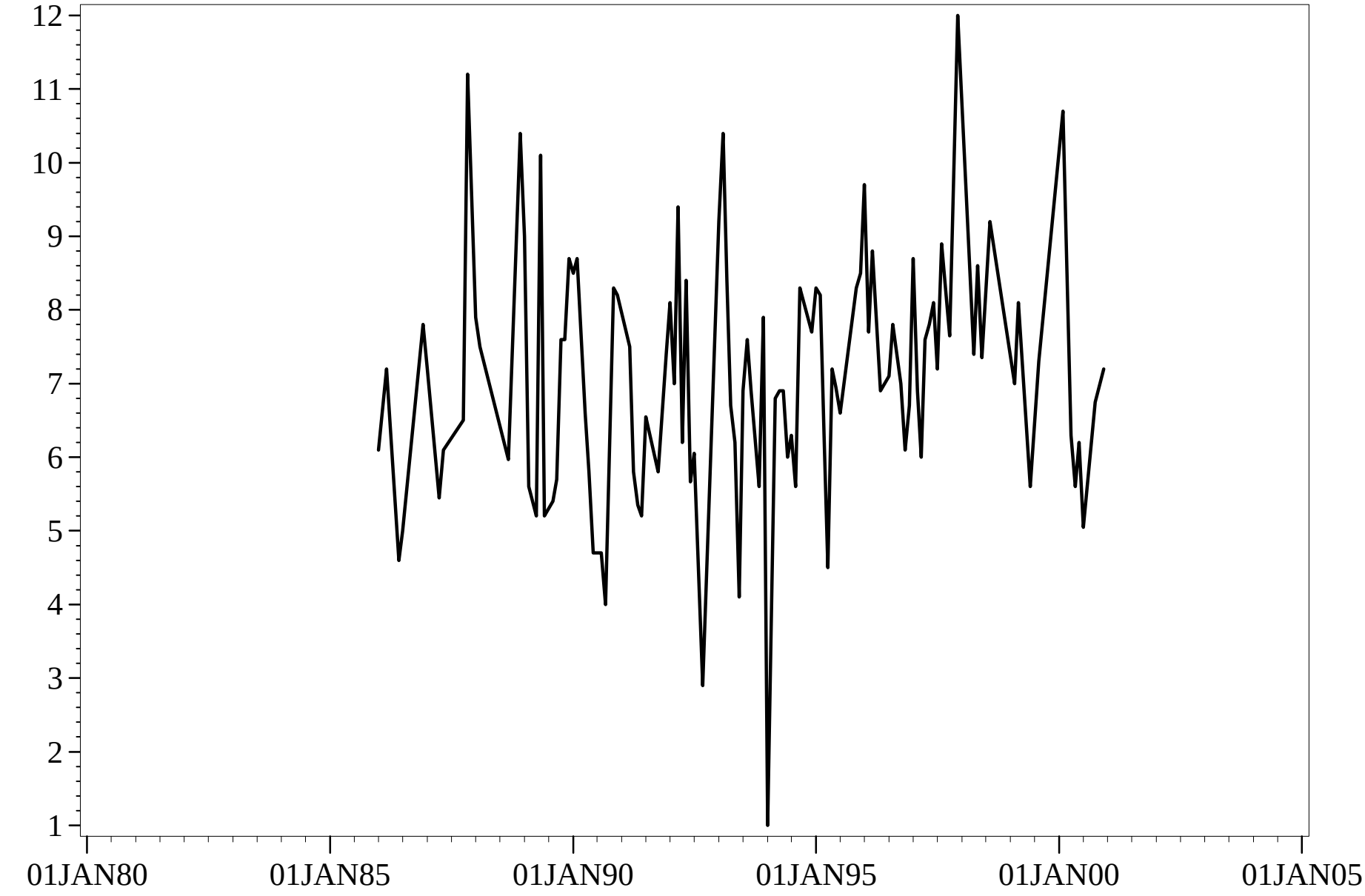
Lemon Bay Trends Appendix - Display 594
Correlogram for Surface Dissolved Oxygen at FDEP Station 56113SEAS

Adjusted for Seasonal Median and Detrended



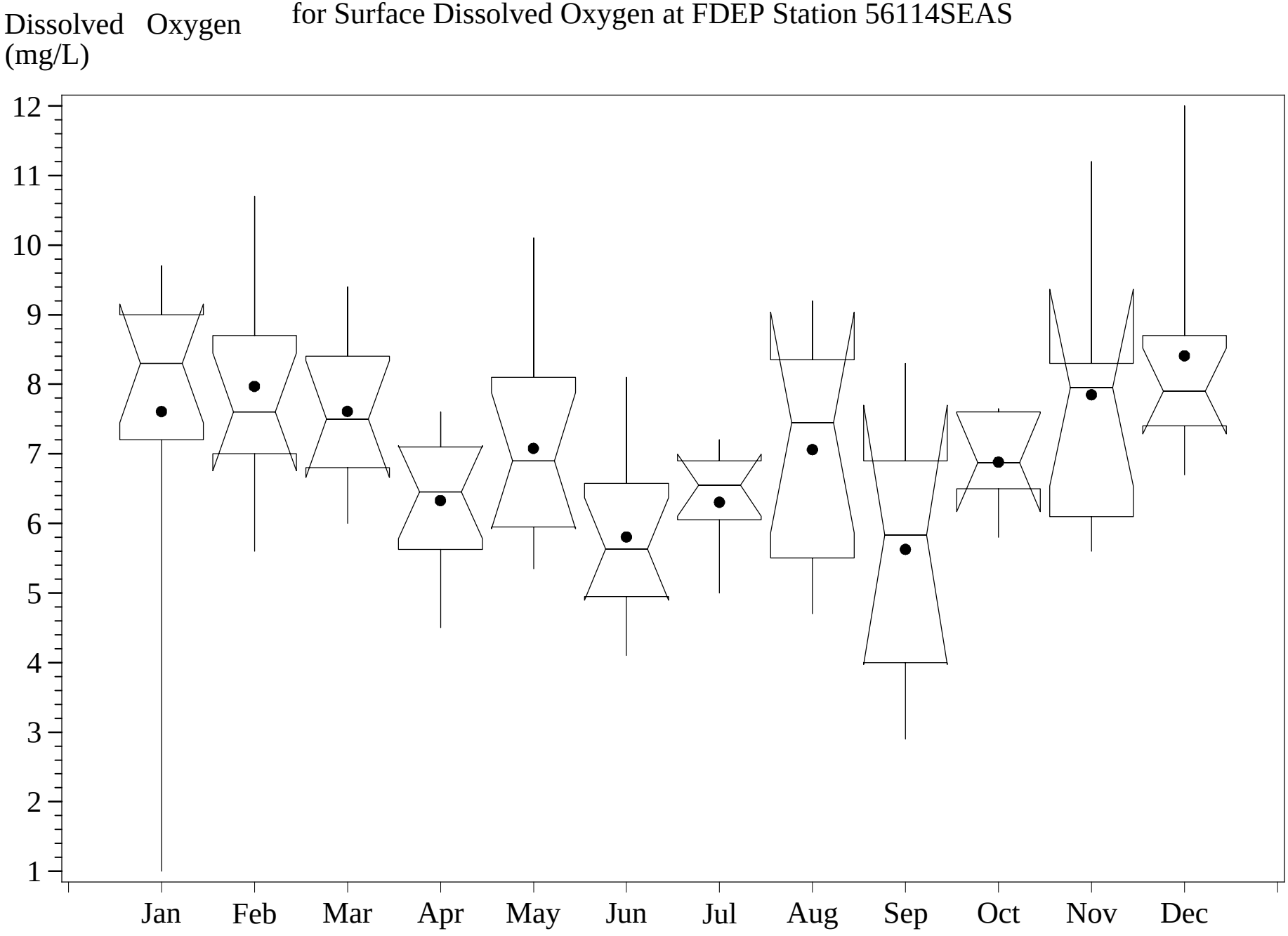
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 595
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56114SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 596

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56114SEAS



Lemon Bay Trends Appendix - Display 597

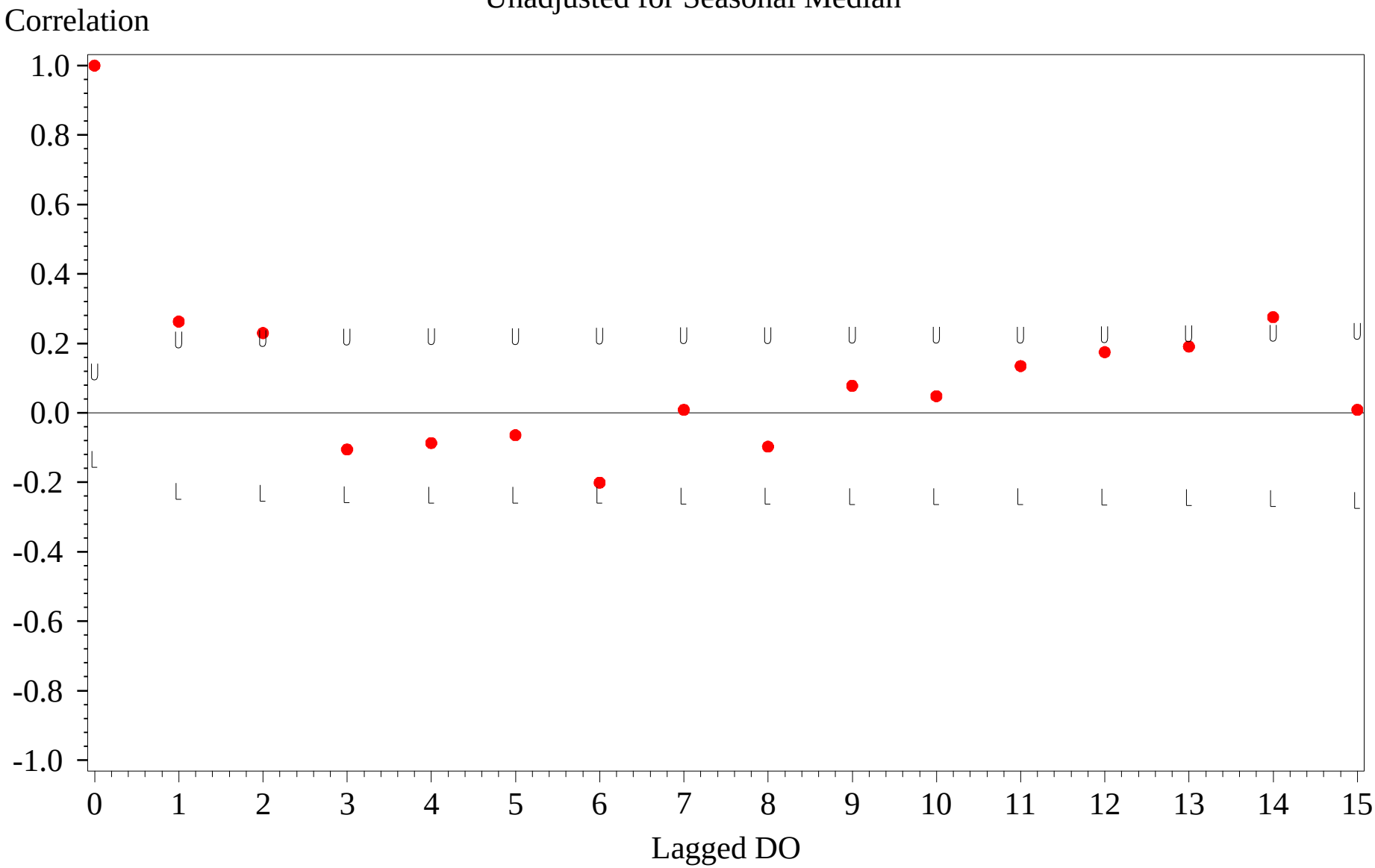
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56114SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.263	0.109	0.218	-0.218
2	0.230	0.112	0.223	-0.223
3	-0.105	0.113	0.227	-0.227
4	-0.087	0.114	0.228	-0.228
5	-0.064	0.114	0.228	-0.228
6	-0.201	0.114	0.229	-0.229
7	0.009	0.116	0.231	-0.231
8	-0.097	0.116	0.231	-0.231
9	0.078	0.116	0.232	-0.232
10	0.048	0.116	0.232	-0.232
11	0.135	0.116	0.233	-0.233
12	0.175	0.117	0.234	-0.234
13	0.191	0.118	0.236	-0.236
14	0.276	0.119	0.238	-0.238
15	0.009	0.122	0.243	-0.243

Lemon Bay Trends Appendix - Display 598
Correlogram for Surface Dissolved Oxygen at FDEP Station 56114SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 599

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56114SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.225	.003	0.017	0.109

Lemon Bay Trends Appendix - Display 600

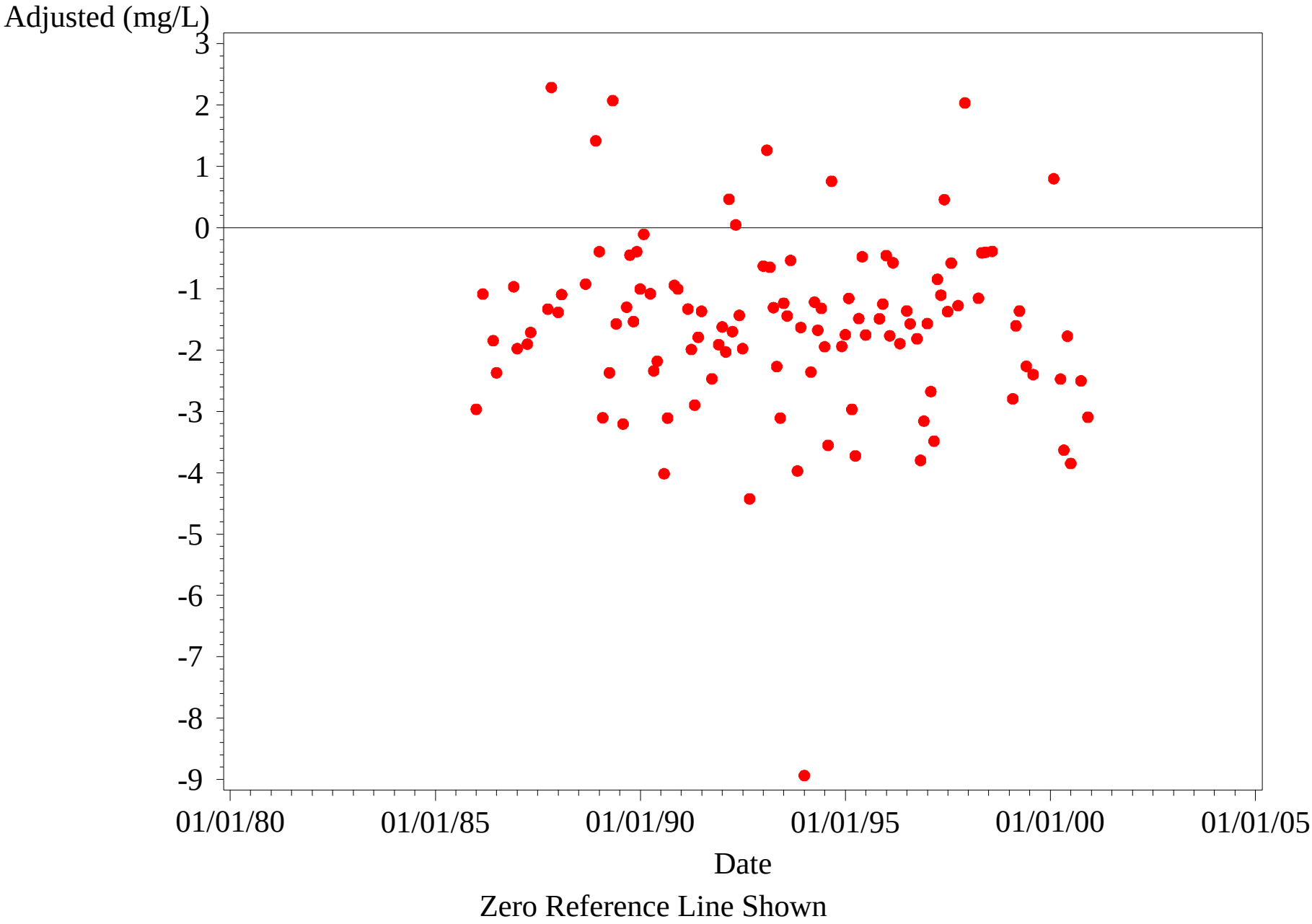
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56114SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2249	.00325882	0.016942	0.10917

Lemon Bay Trends Appendix - Display 601

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56114SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 602

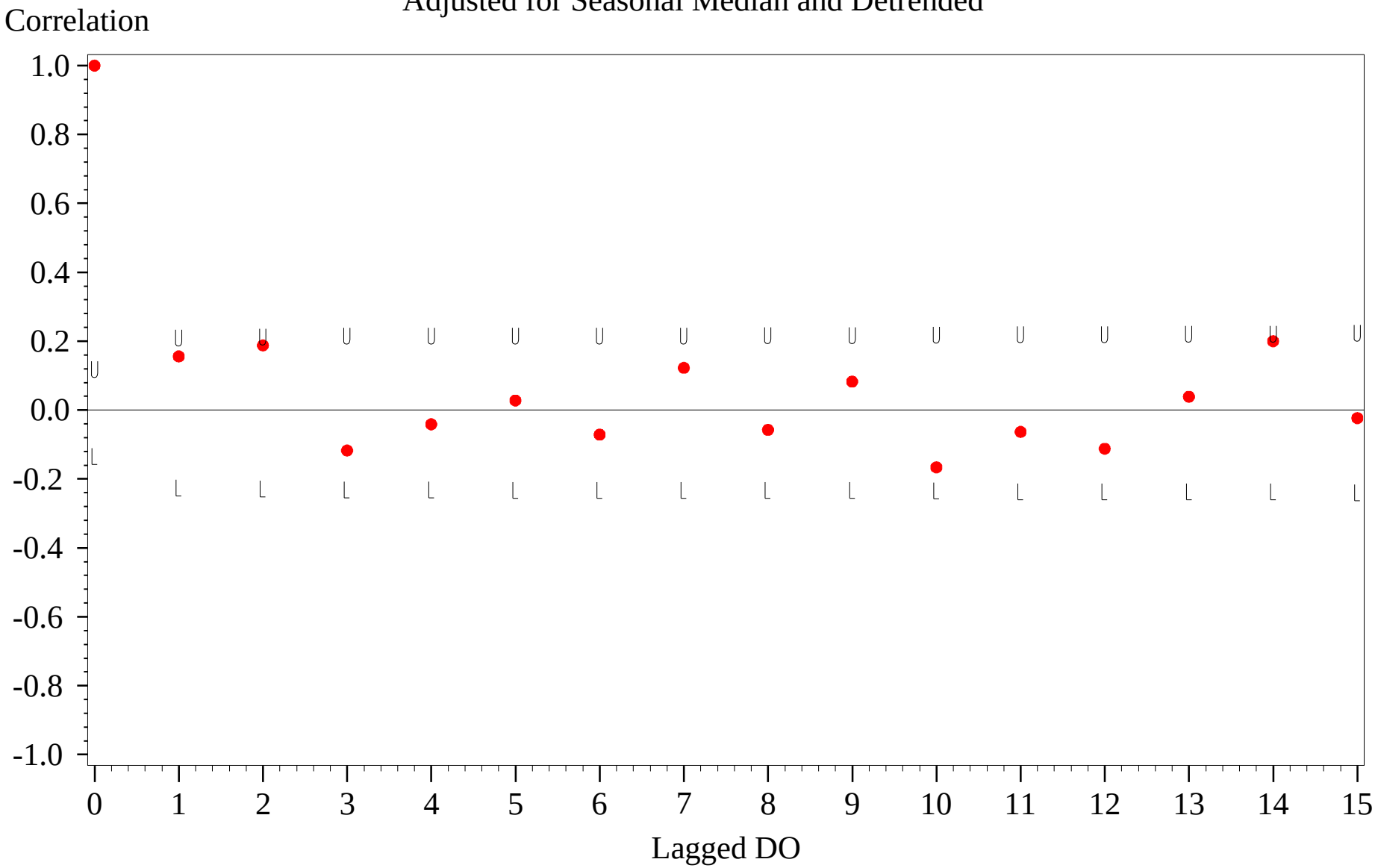
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56114SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.156	0.109	0.218	-0.218
2	0.188	0.110	0.220	-0.220
3	-0.117	0.111	0.223	-0.223
4	-0.041	0.112	0.223	-0.223
5	0.028	0.112	0.224	-0.224
6	-0.071	0.112	0.224	-0.224
7	0.123	0.112	0.224	-0.224
8	-0.057	0.113	0.225	-0.225
9	0.083	0.113	0.225	-0.225
10	-0.166	0.113	0.226	-0.226
11	-0.063	0.114	0.228	-0.228
12	-0.112	0.114	0.228	-0.228
13	0.039	0.114	0.229	-0.229
14	0.200	0.114	0.229	-0.229
15	-0.023	0.116	0.232	-0.232

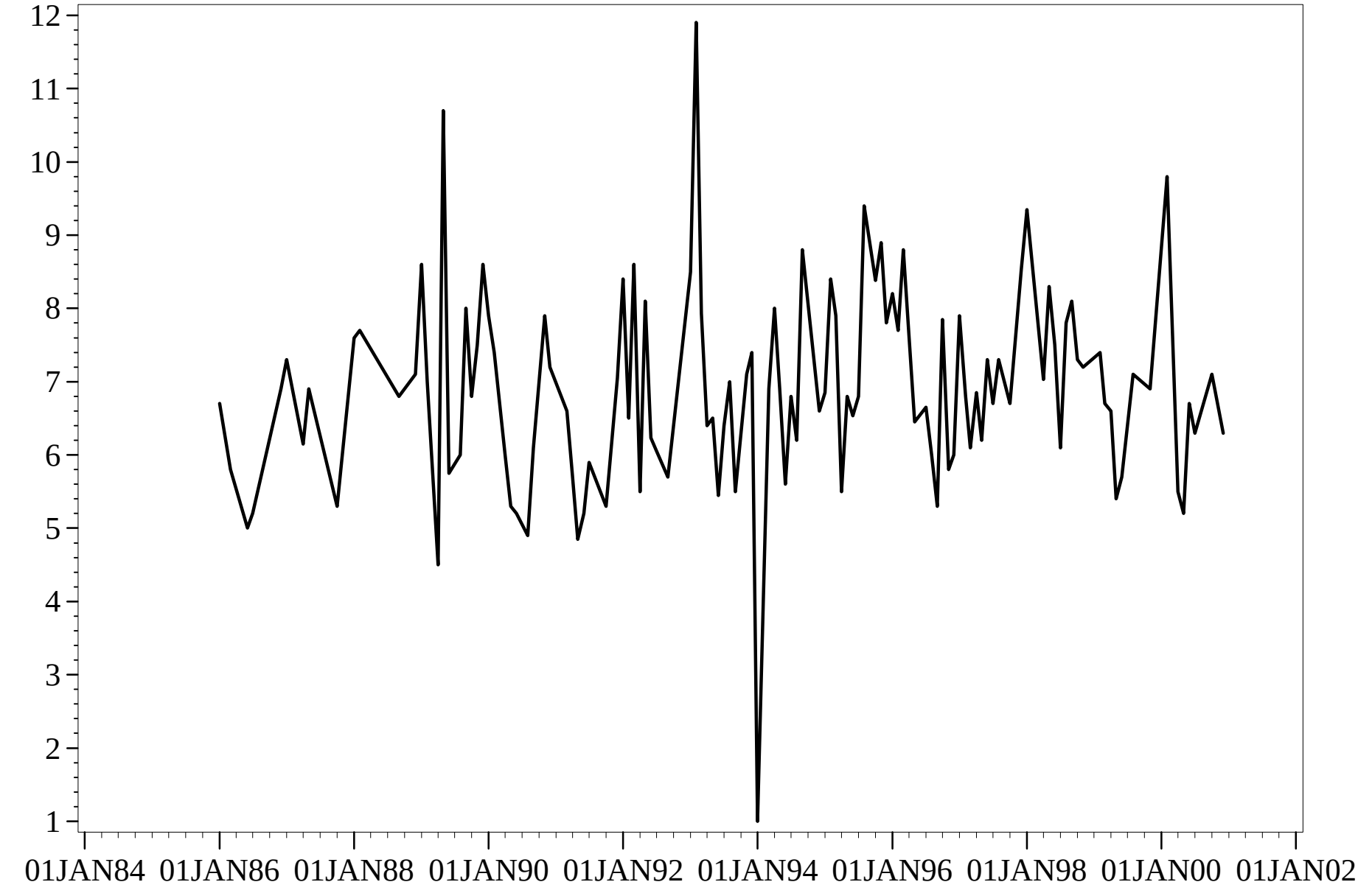
Lemon Bay Trends Appendix - Display 603
Correlogram for Surface Dissolved Oxygen at FDEP Station 56114SEAS

Adjusted for Seasonal Median and Detrended



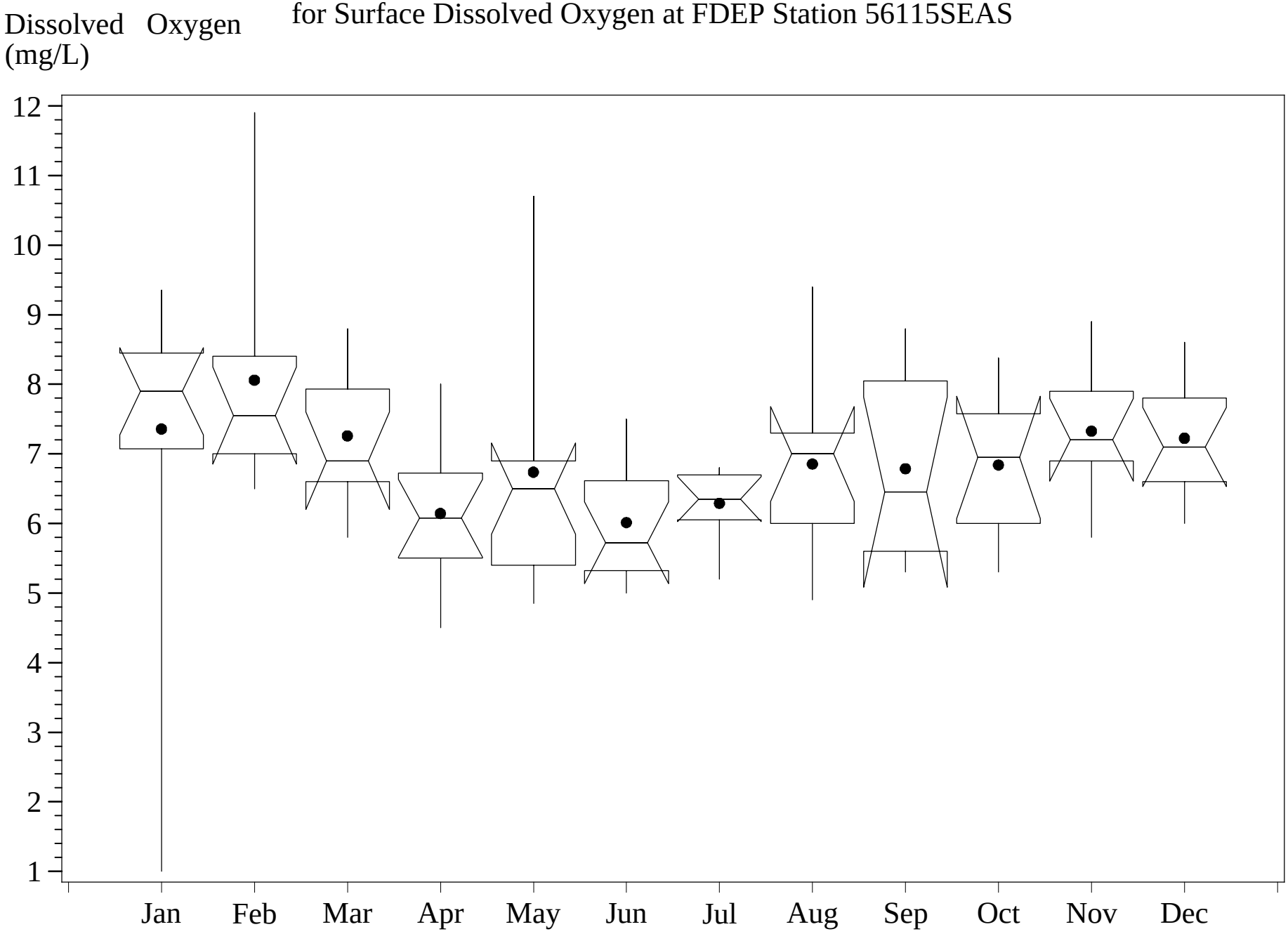
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 604
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56115SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 605

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56115SEAS



Lemon Bay Trends Appendix - Display 606

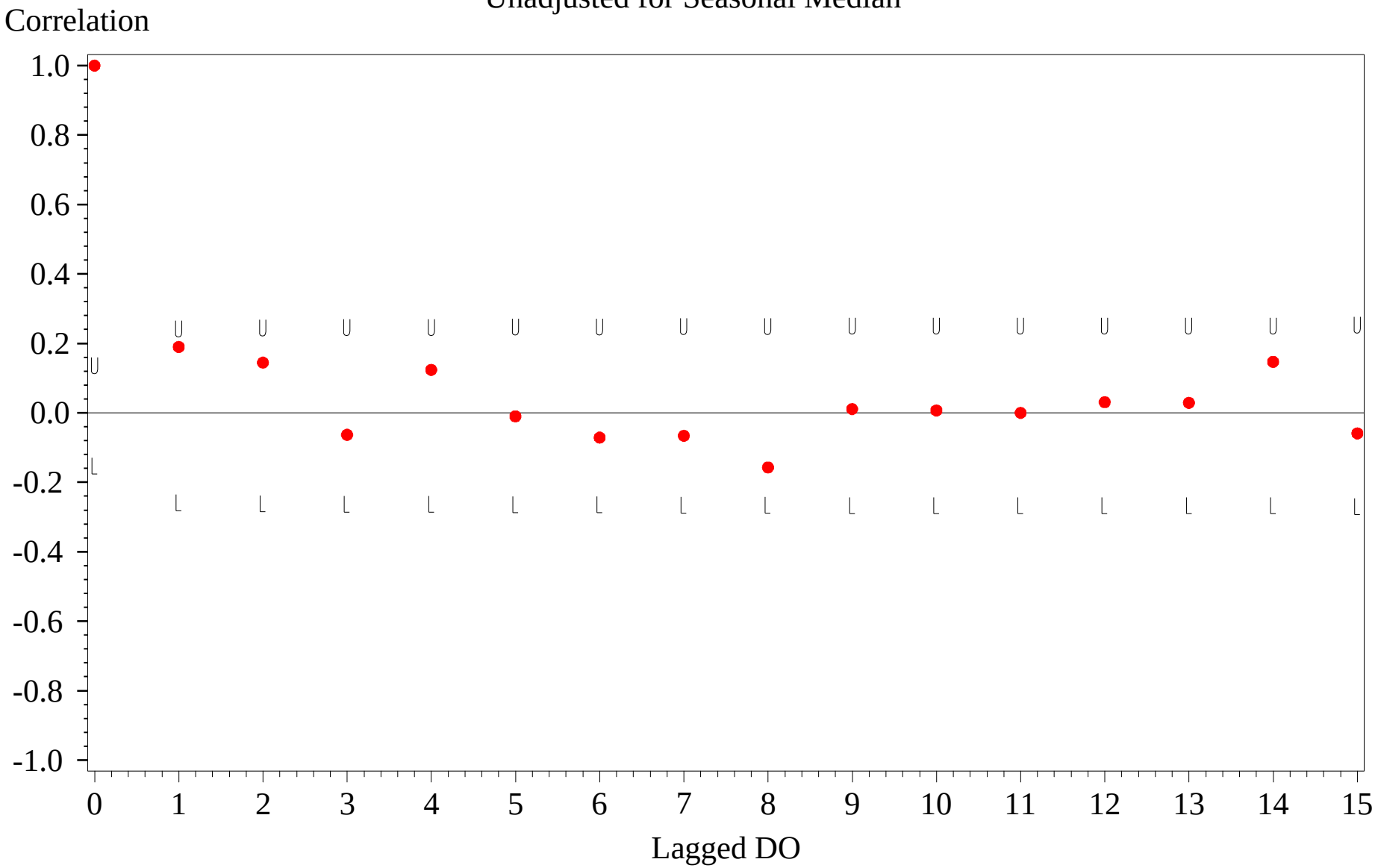
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56115SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.190	0.125	0.250	-0.250
2	0.145	0.126	0.253	-0.253
3	-0.063	0.127	0.255	-0.255
4	0.124	0.128	0.255	-0.255
5	-0.010	0.128	0.256	-0.256
6	-0.071	0.128	0.256	-0.256
7	-0.066	0.128	0.257	-0.257
8	-0.157	0.129	0.257	-0.257
9	0.011	0.130	0.259	-0.259
10	0.007	0.130	0.259	-0.259
11	0.000	0.130	0.259	-0.259
12	0.031	0.130	0.259	-0.259
13	0.029	0.130	0.259	-0.259
14	0.147	0.130	0.259	-0.259
15	-0.059	0.130	0.261	-0.261

Lemon Bay Trends Appendix - Display 607
Correlogram for Surface Dissolved Oxygen at FDEP Station 56115SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 608

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56115SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.142	0.05	0.16	0.059

Lemon Bay Trends Appendix - Display 609

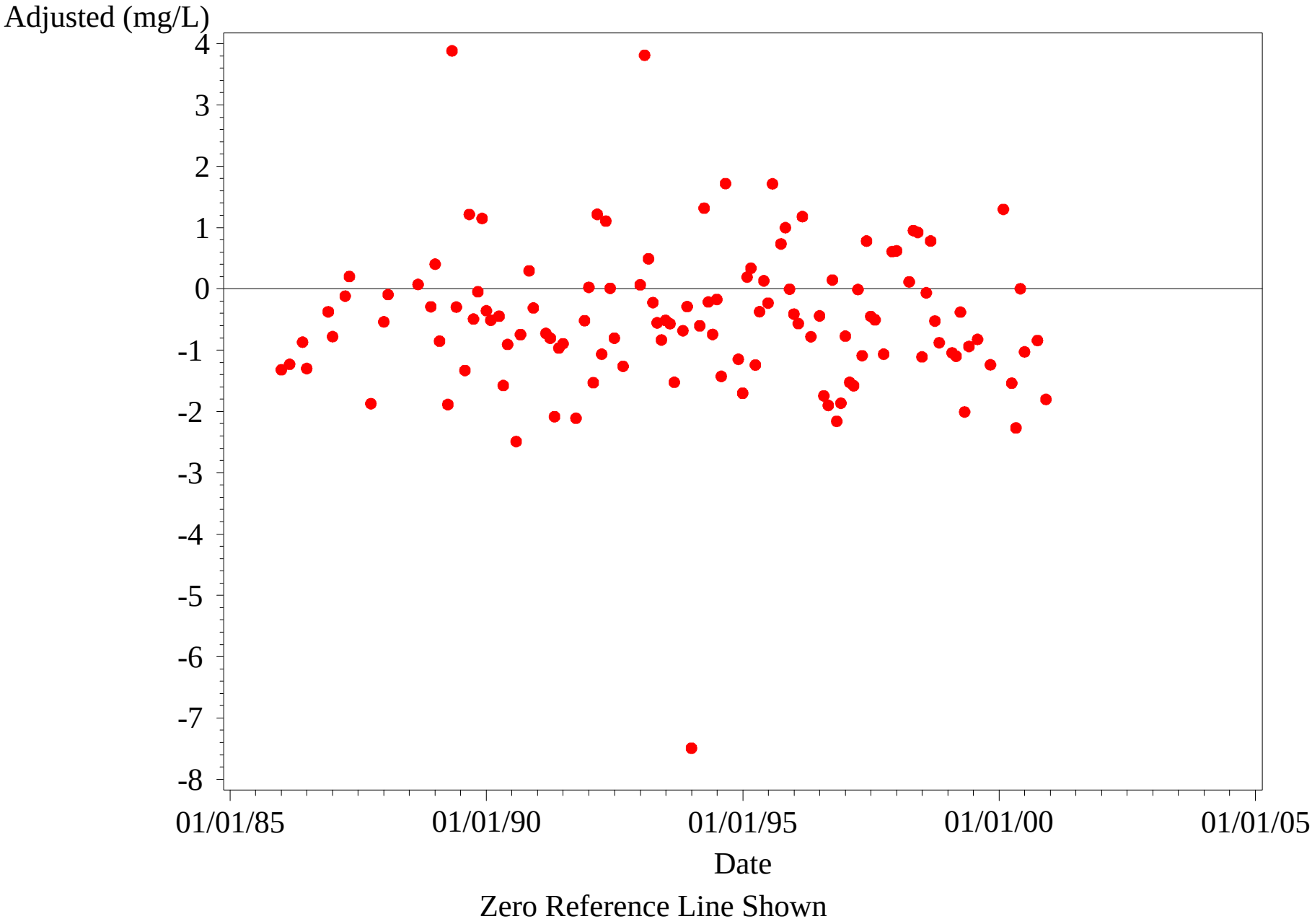
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56115SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14211	0.050204	0.16034	0.059188

Lemon Bay Trends Appendix - Display 610

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56115SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 611

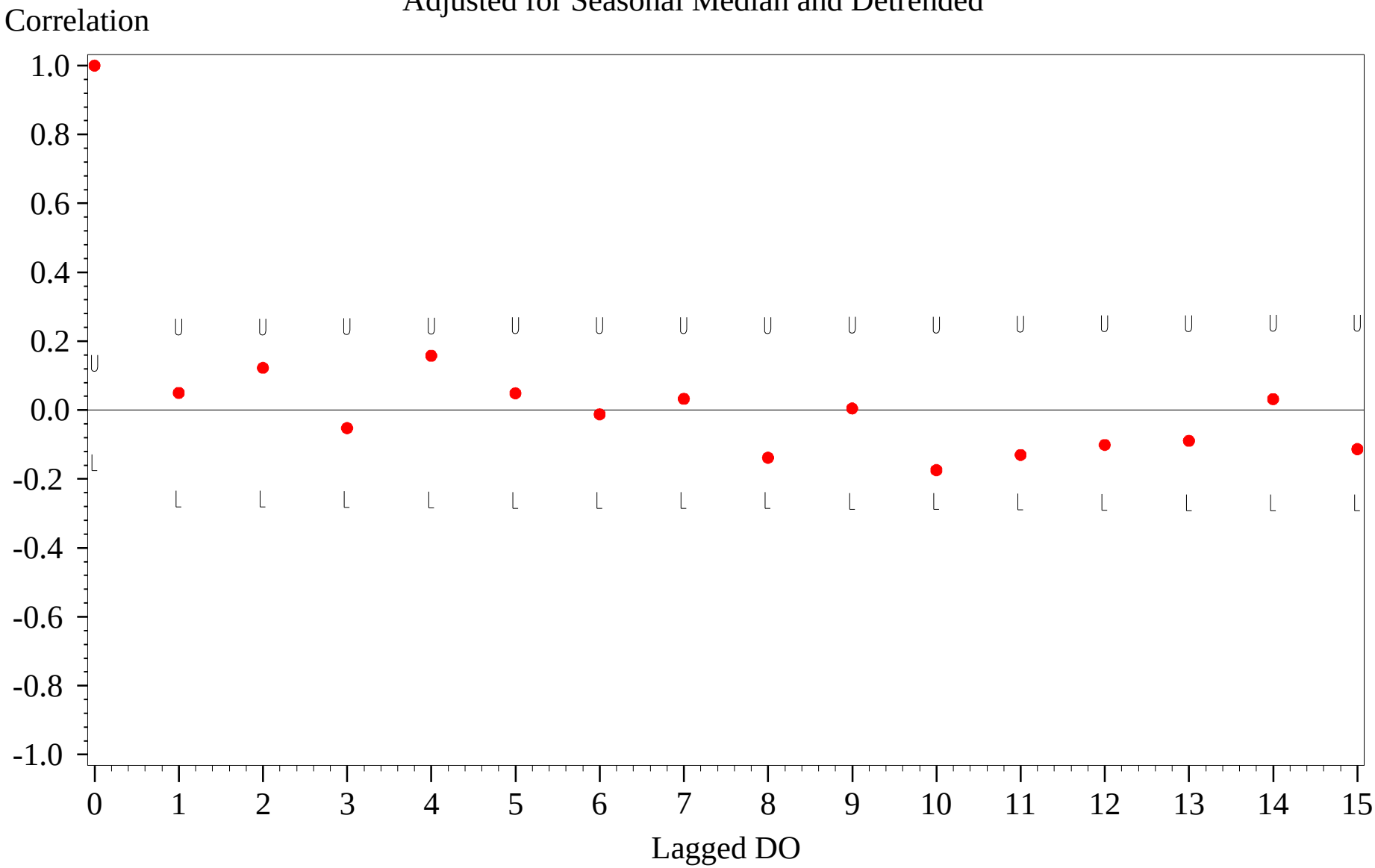
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56115SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.050	0.125	0.250	-0.250
2	0.123	0.125	0.250	-0.250
3	-0.052	0.126	0.251	-0.251
4	0.158	0.126	0.252	-0.252
5	0.049	0.127	0.254	-0.254
6	-0.012	0.127	0.254	-0.254
7	0.033	0.127	0.254	-0.254
8	-0.138	0.127	0.254	-0.254
9	0.005	0.128	0.256	-0.256
10	-0.174	0.128	0.256	-0.256
11	-0.130	0.129	0.258	-0.258
12	-0.101	0.130	0.259	-0.259
13	-0.089	0.130	0.260	-0.260
14	0.032	0.130	0.261	-0.261
15	-0.113	0.130	0.261	-0.261

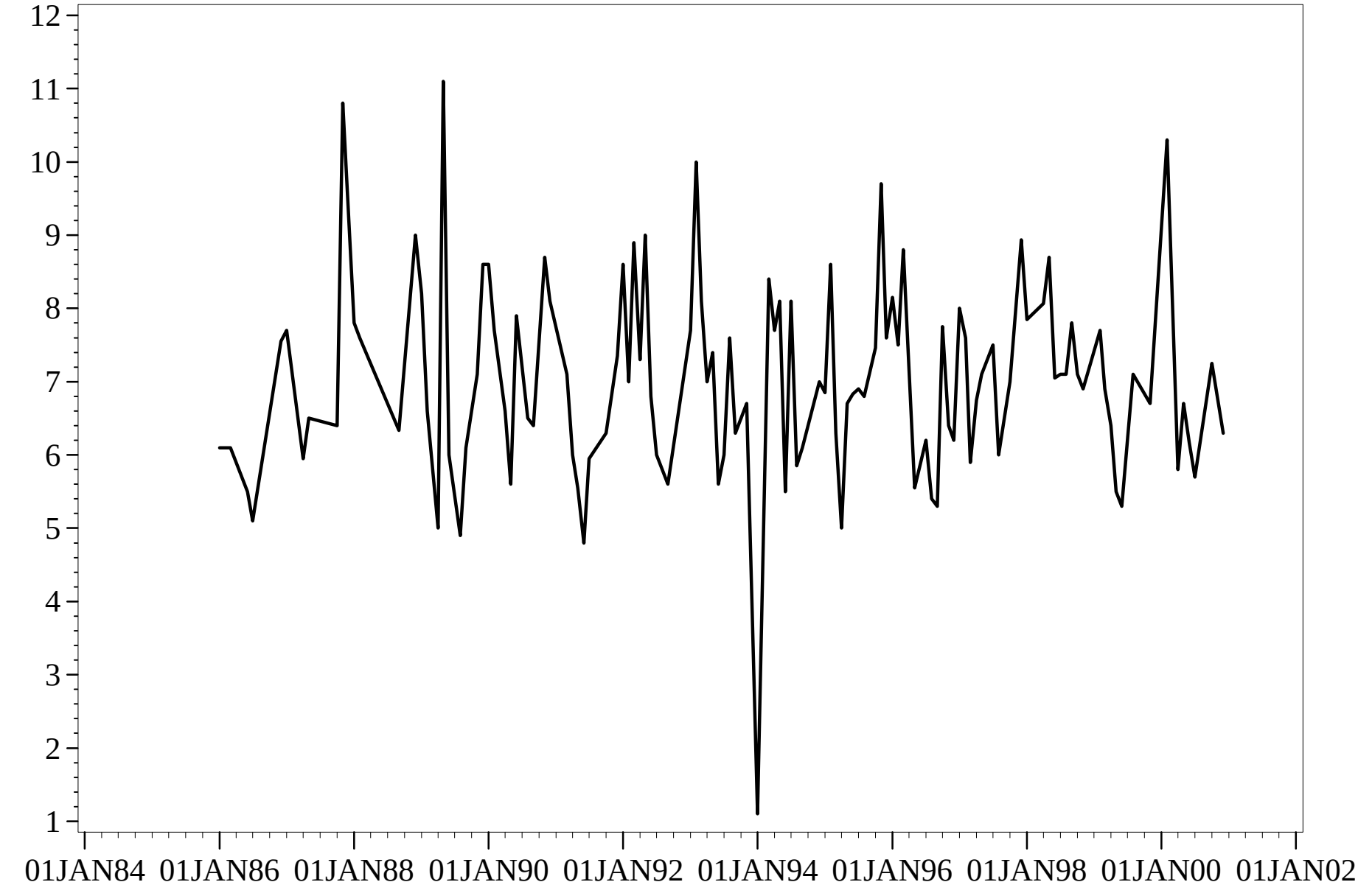
Lemon Bay Trends Appendix - Display 612
Correlogram for Surface Dissolved Oxygen at FDEP Station 56115SEAS

Adjusted for Seasonal Median and Detrended



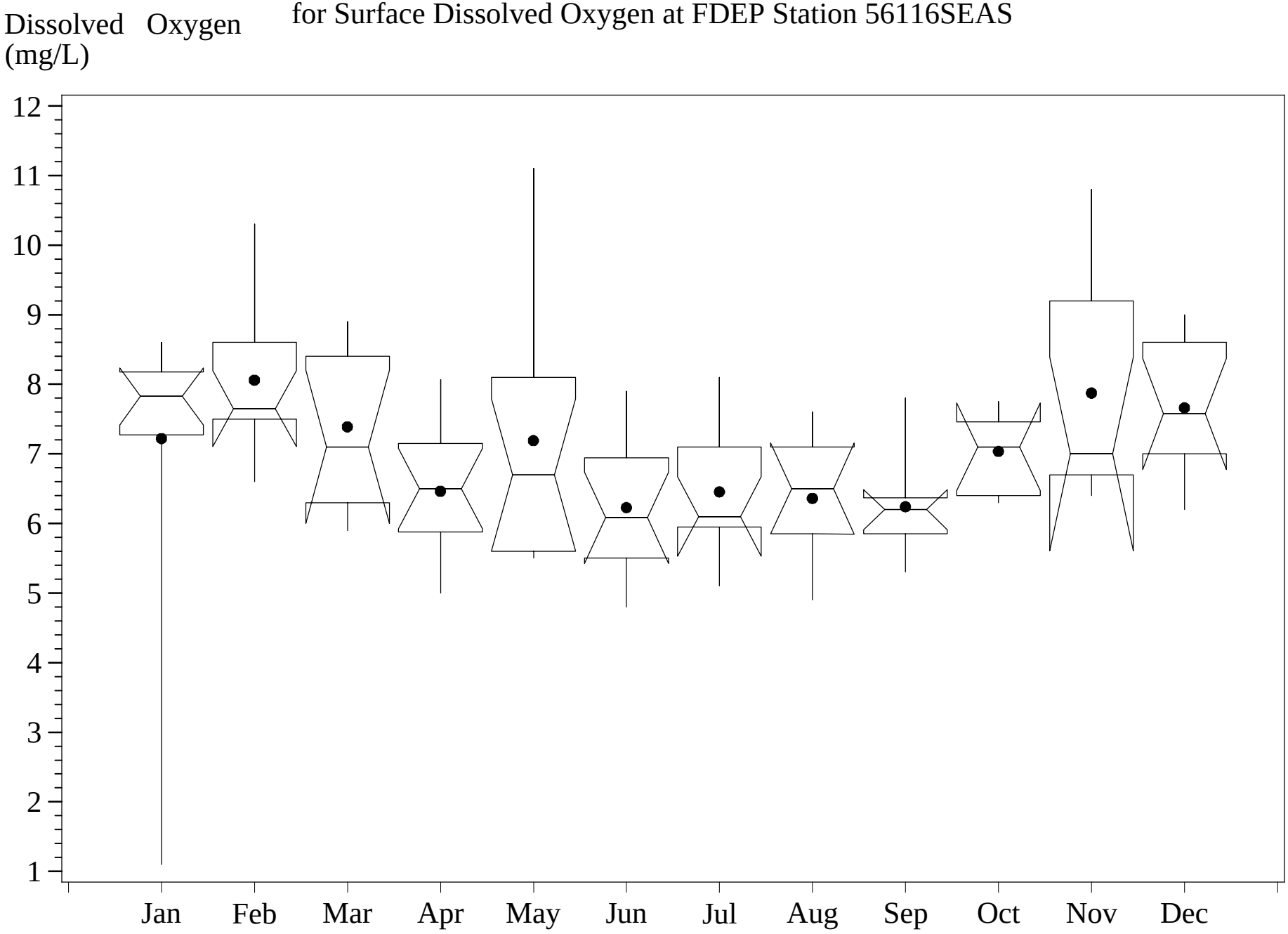
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 613
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56116SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 614

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56116SEAS



Lemon Bay Trends Appendix - Display 615

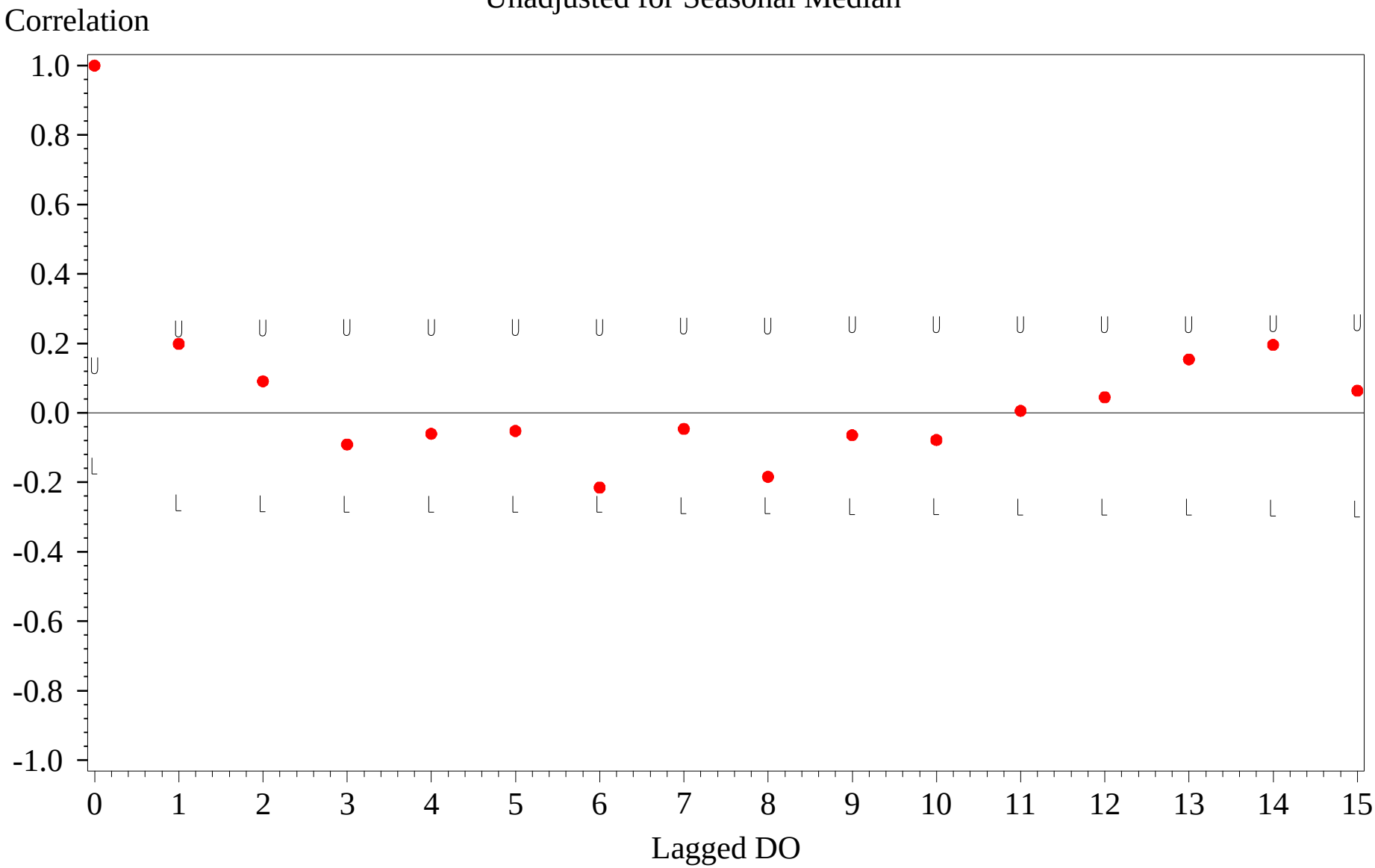
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56116SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.199	0.125	0.250	-0.250
2	0.091	0.127	0.253	-0.253
3	-0.091	0.127	0.254	-0.254
4	-0.060	0.127	0.255	-0.255
5	-0.052	0.127	0.255	-0.255
6	-0.215	0.128	0.255	-0.255
7	-0.046	0.129	0.259	-0.259
8	-0.184	0.130	0.259	-0.259
9	-0.064	0.131	0.262	-0.262
10	-0.078	0.131	0.262	-0.262
11	0.006	0.131	0.263	-0.263
12	0.045	0.131	0.263	-0.263
13	0.154	0.131	0.263	-0.263
14	0.196	0.132	0.265	-0.265
15	0.064	0.134	0.268	-0.268

Lemon Bay Trends Appendix - Display 616
Correlogram for Surface Dissolved Oxygen at FDEP Station 56116SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 617

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56116SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.05	0.503	0.605	0.015

Lemon Bay Trends Appendix - Display 618

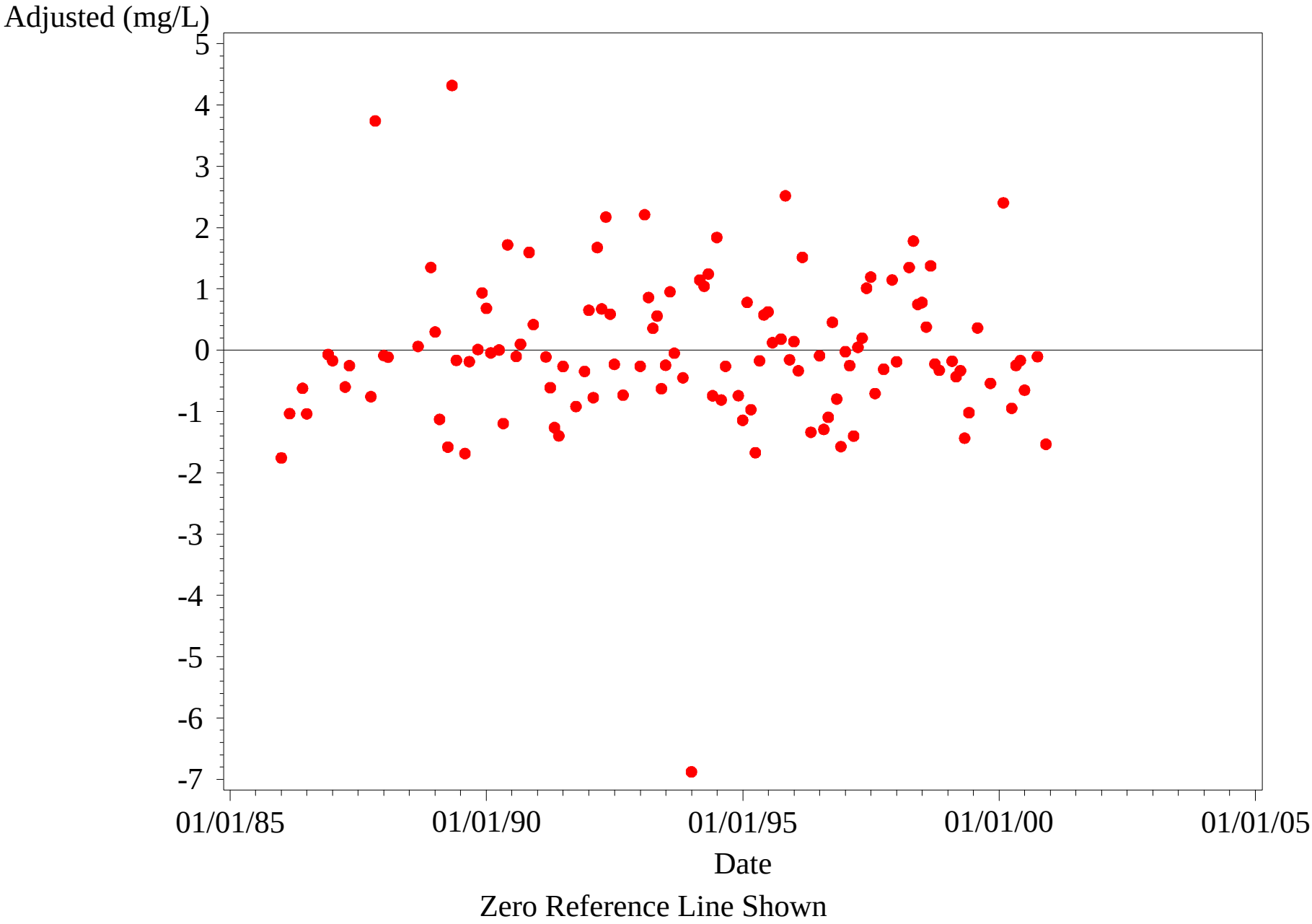
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56116SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.05	0.50347	0.60506	0.015238

Lemon Bay Trends Appendix - Display 619

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56116SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 620

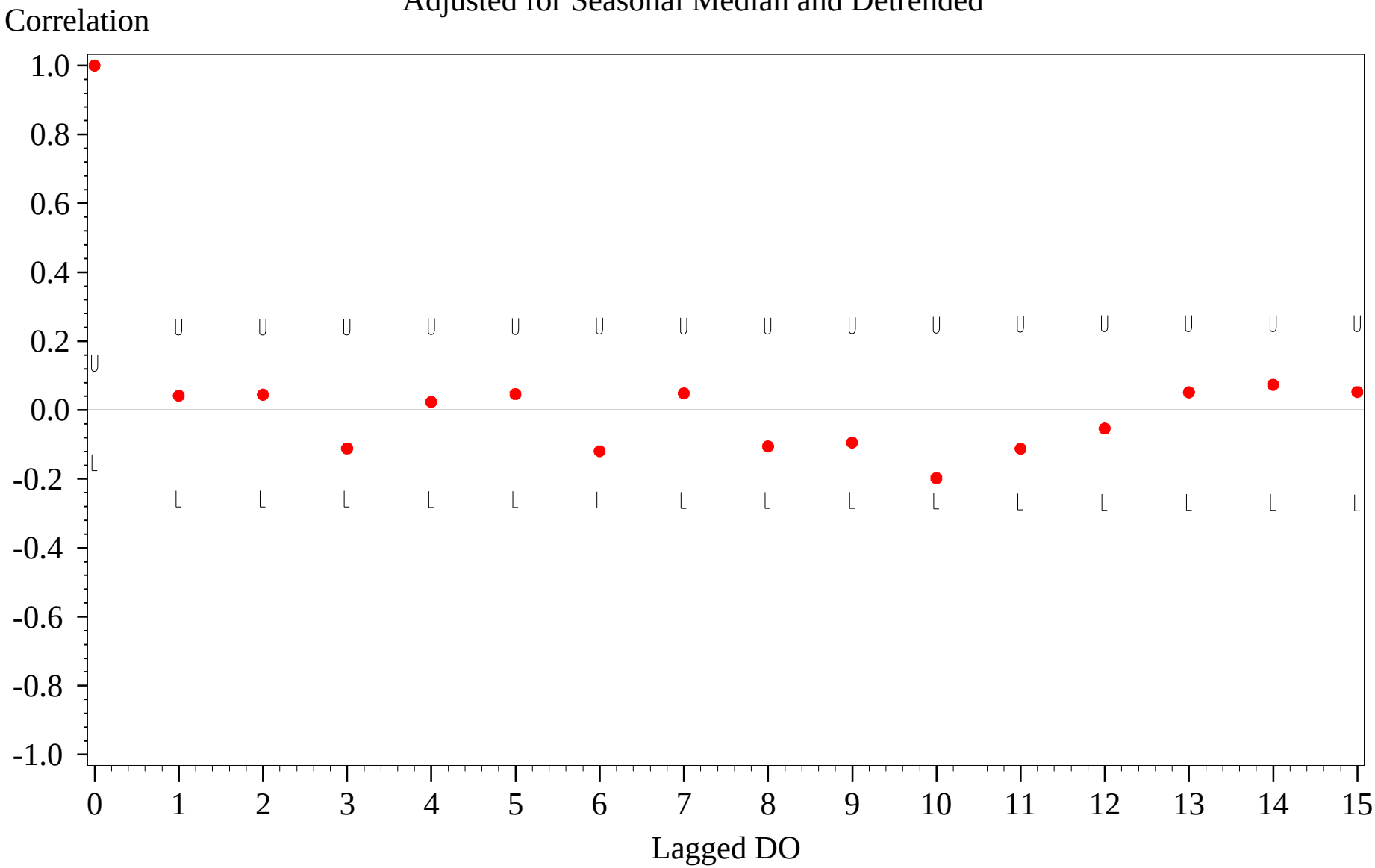
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56116SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.042	0.125	0.250	-0.250
2	0.045	0.125	0.250	-0.250
3	-0.111	0.125	0.250	-0.250
4	0.024	0.126	0.251	-0.251
5	0.047	0.126	0.251	-0.251
6	-0.119	0.126	0.252	-0.252
7	0.049	0.126	0.253	-0.253
8	-0.105	0.126	0.253	-0.253
9	-0.094	0.127	0.254	-0.254
10	-0.197	0.127	0.255	-0.255
11	-0.112	0.129	0.258	-0.258
12	-0.053	0.129	0.259	-0.259
13	0.052	0.129	0.259	-0.259
14	0.074	0.130	0.259	-0.259
15	0.053	0.130	0.260	-0.260

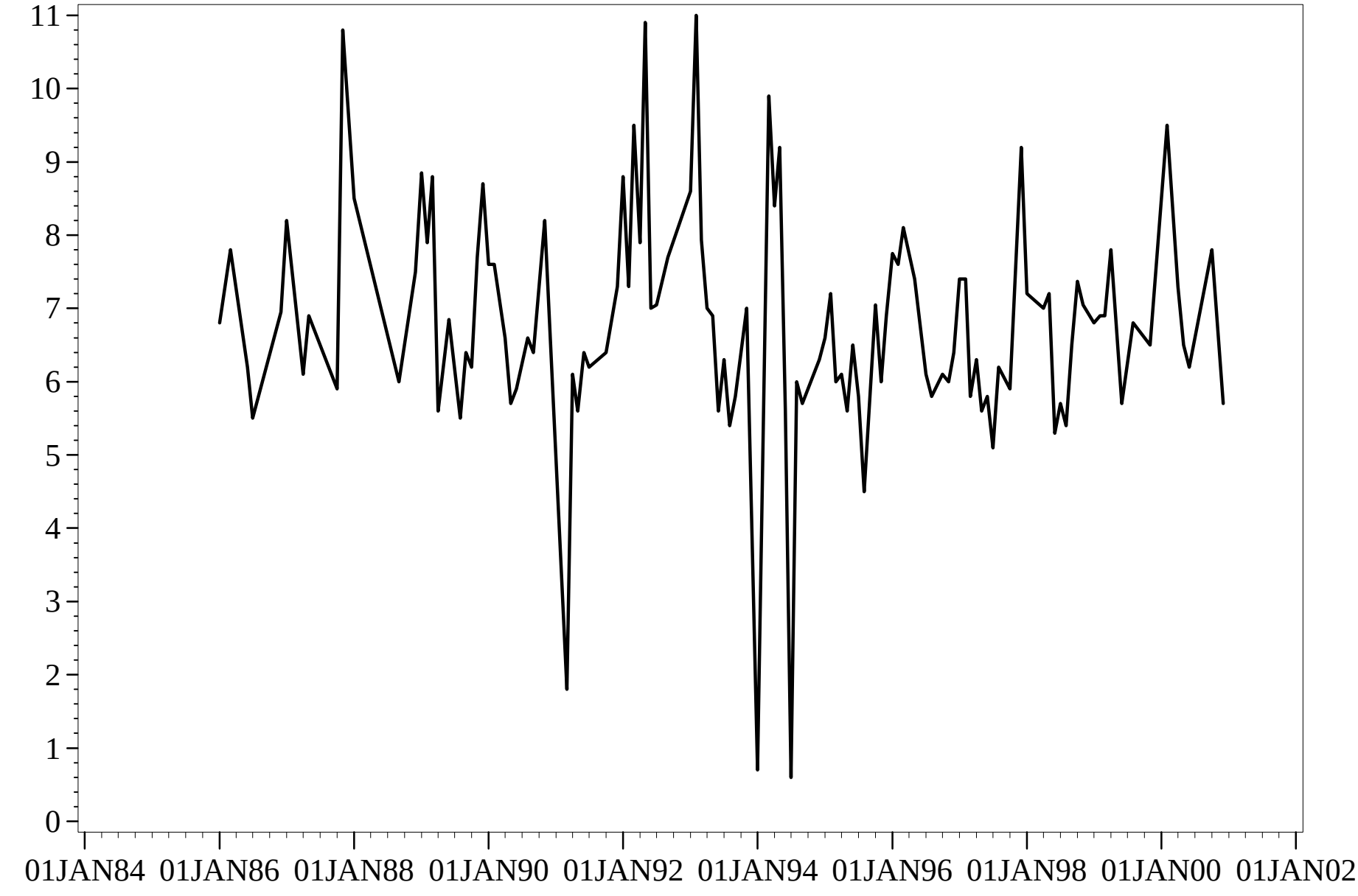
Lemon Bay Trends Appendix - Display 621
Correlogram for Surface Dissolved Oxygen at FDEP Station 56116SEAS

Adjusted for Seasonal Median and Detrended



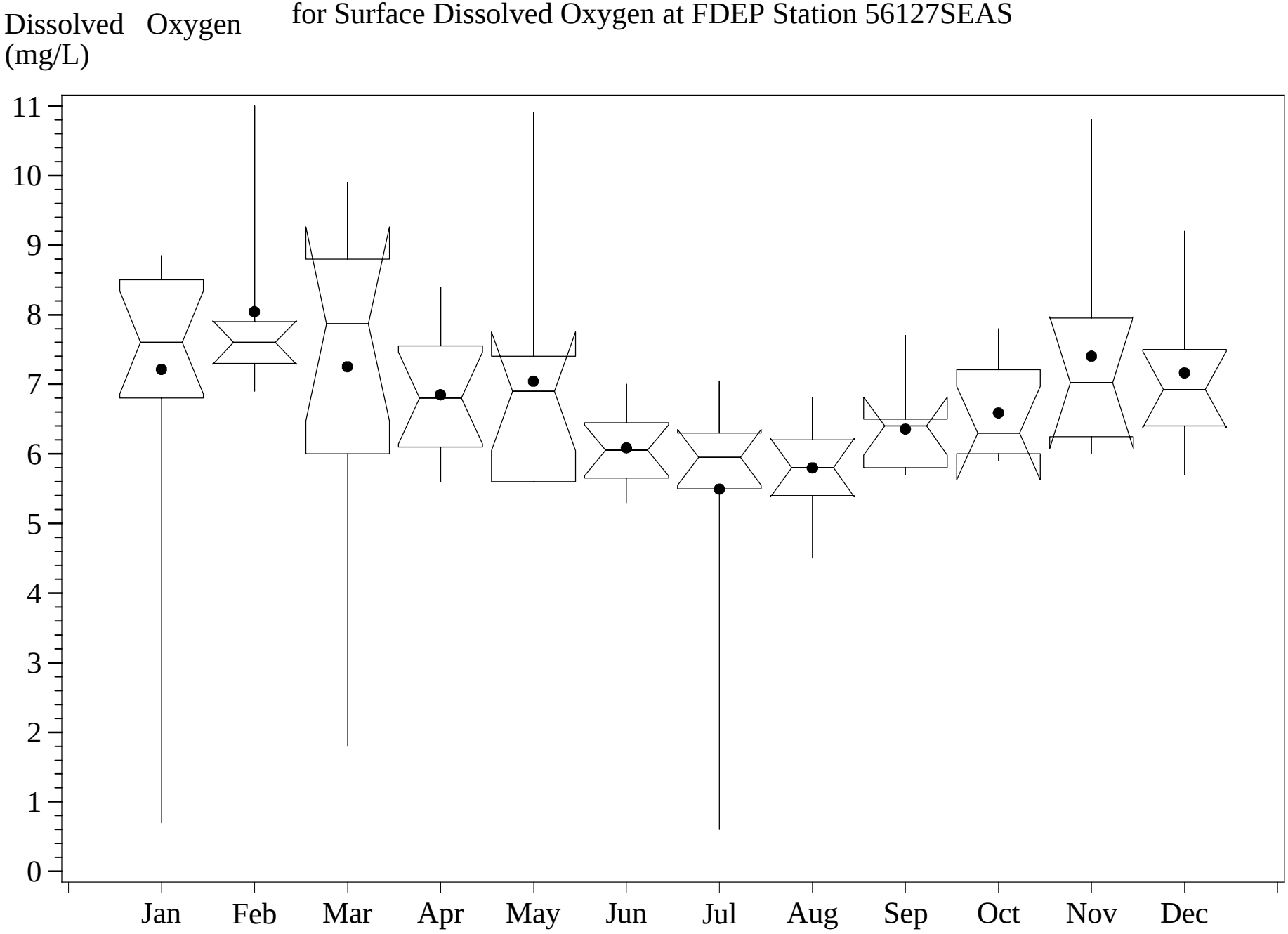
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 622
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56127SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 623

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56127SEAS



Lemon Bay Trends Appendix - Display 624

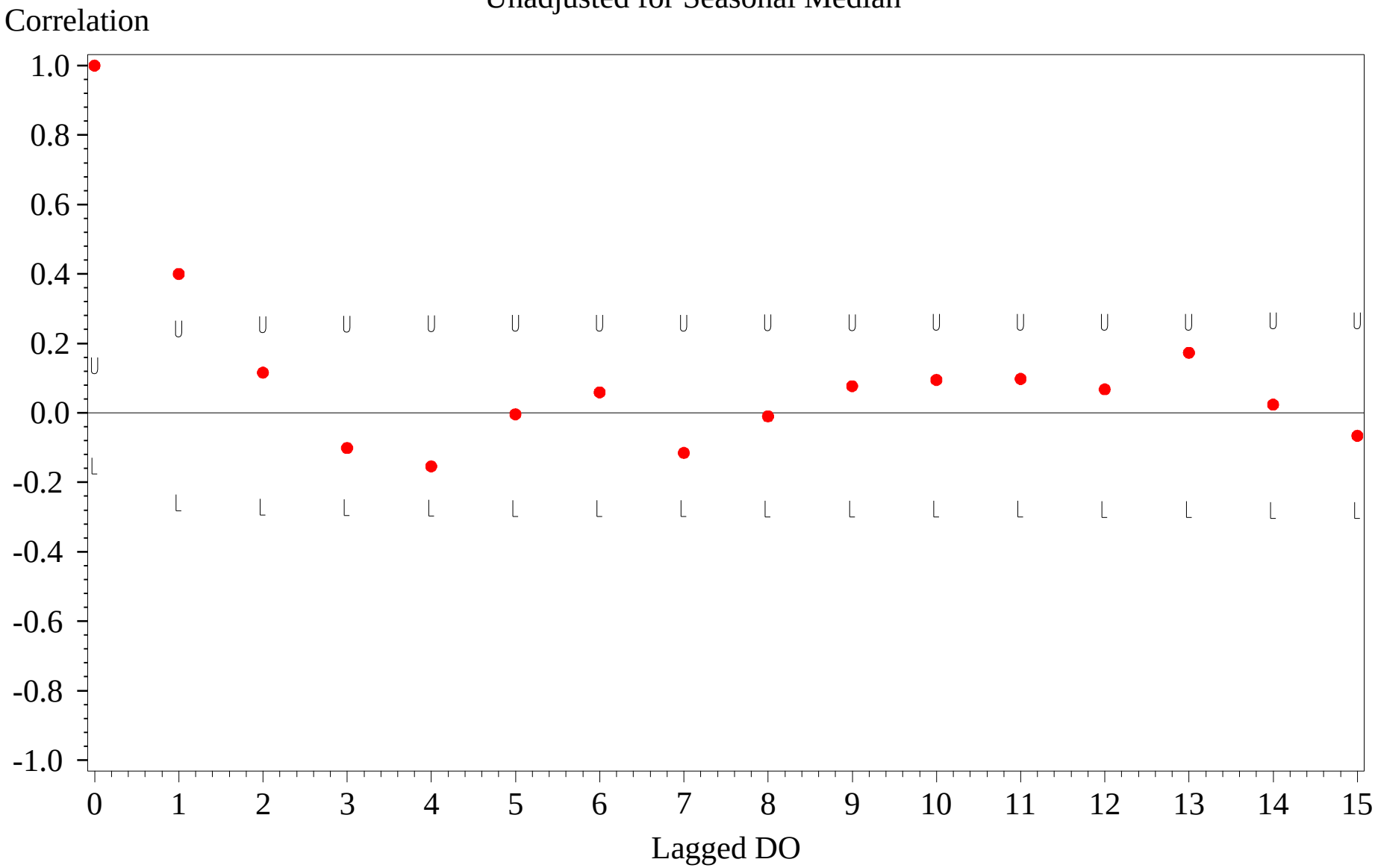
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56127SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.400	0.125	0.250	-0.250
2	0.116	0.132	0.263	-0.263
3	-0.101	0.132	0.264	-0.264
4	-0.154	0.132	0.265	-0.265
5	-0.004	0.133	0.267	-0.267
6	0.059	0.133	0.267	-0.267
7	-0.115	0.134	0.267	-0.267
8	-0.010	0.134	0.268	-0.268
9	0.077	0.134	0.268	-0.268
10	0.095	0.134	0.269	-0.269
11	0.098	0.135	0.269	-0.269
12	0.068	0.135	0.270	-0.270
13	0.173	0.135	0.270	-0.270
14	0.024	0.136	0.273	-0.273
15	-0.066	0.136	0.273	-0.273

Lemon Bay Trends Appendix - Display 625
Correlogram for Surface Dissolved Oxygen at FDEP Station 56127SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 626

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56127SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.071	0.338	0.466	-0.022

Lemon Bay Trends Appendix - Display 627

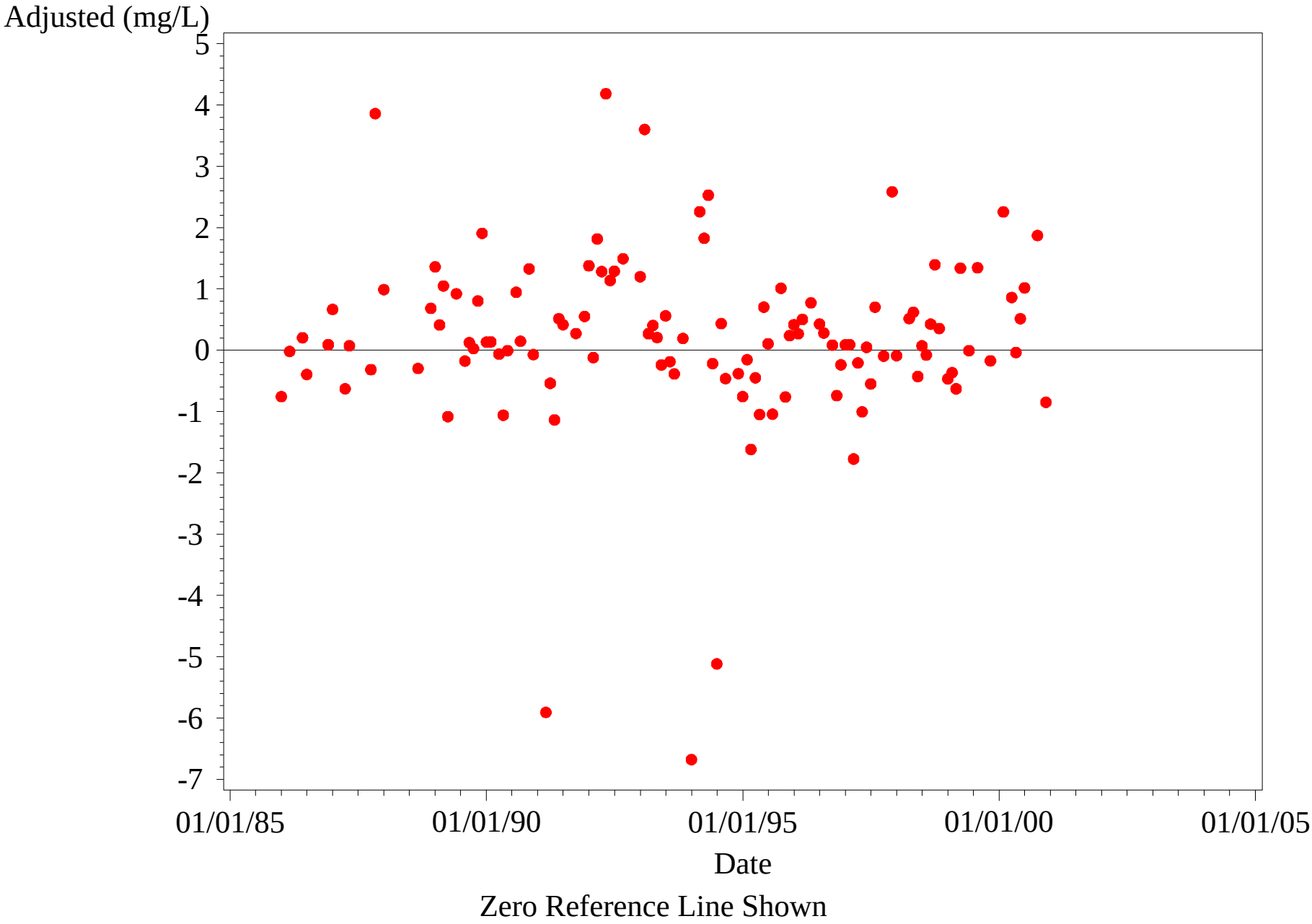
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56127SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.071038	0.33841	0.46632	-0.022222

Lemon Bay Trends Appendix - Display 628

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56127SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 629

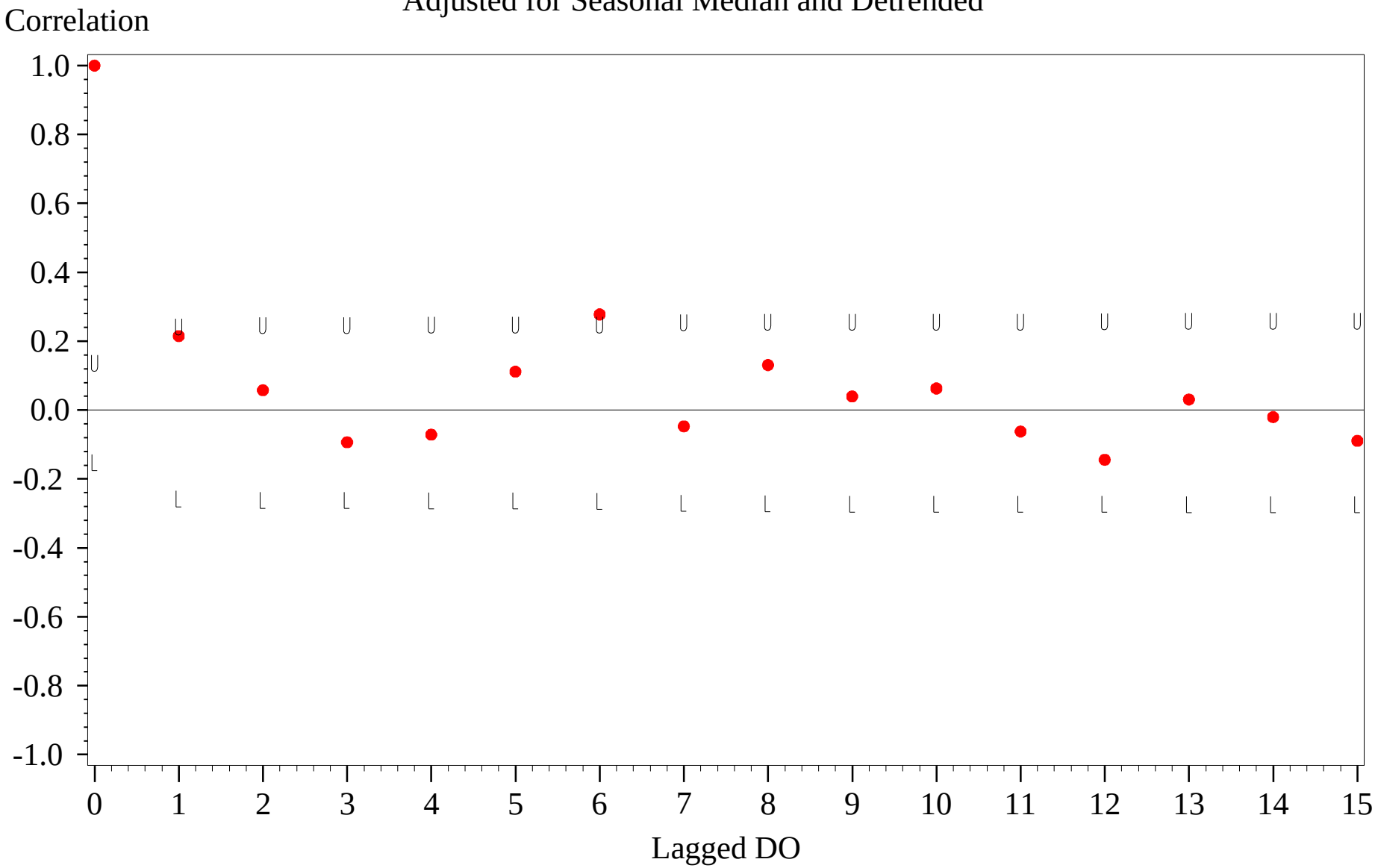
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56127SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.215	0.125	0.250	-0.250
2	0.058	0.127	0.254	-0.254
3	-0.093	0.127	0.254	-0.254
4	-0.071	0.127	0.255	-0.255
5	0.112	0.128	0.255	-0.255
6	0.278	0.128	0.256	-0.256
7	-0.047	0.131	0.262	-0.262
8	0.131	0.131	0.263	-0.263
9	0.040	0.132	0.264	-0.264
10	0.063	0.132	0.264	-0.264
11	-0.062	0.132	0.264	-0.264
12	-0.144	0.132	0.265	-0.265
13	0.031	0.133	0.266	-0.266
14	-0.020	0.133	0.266	-0.266
15	-0.089	0.133	0.266	-0.266

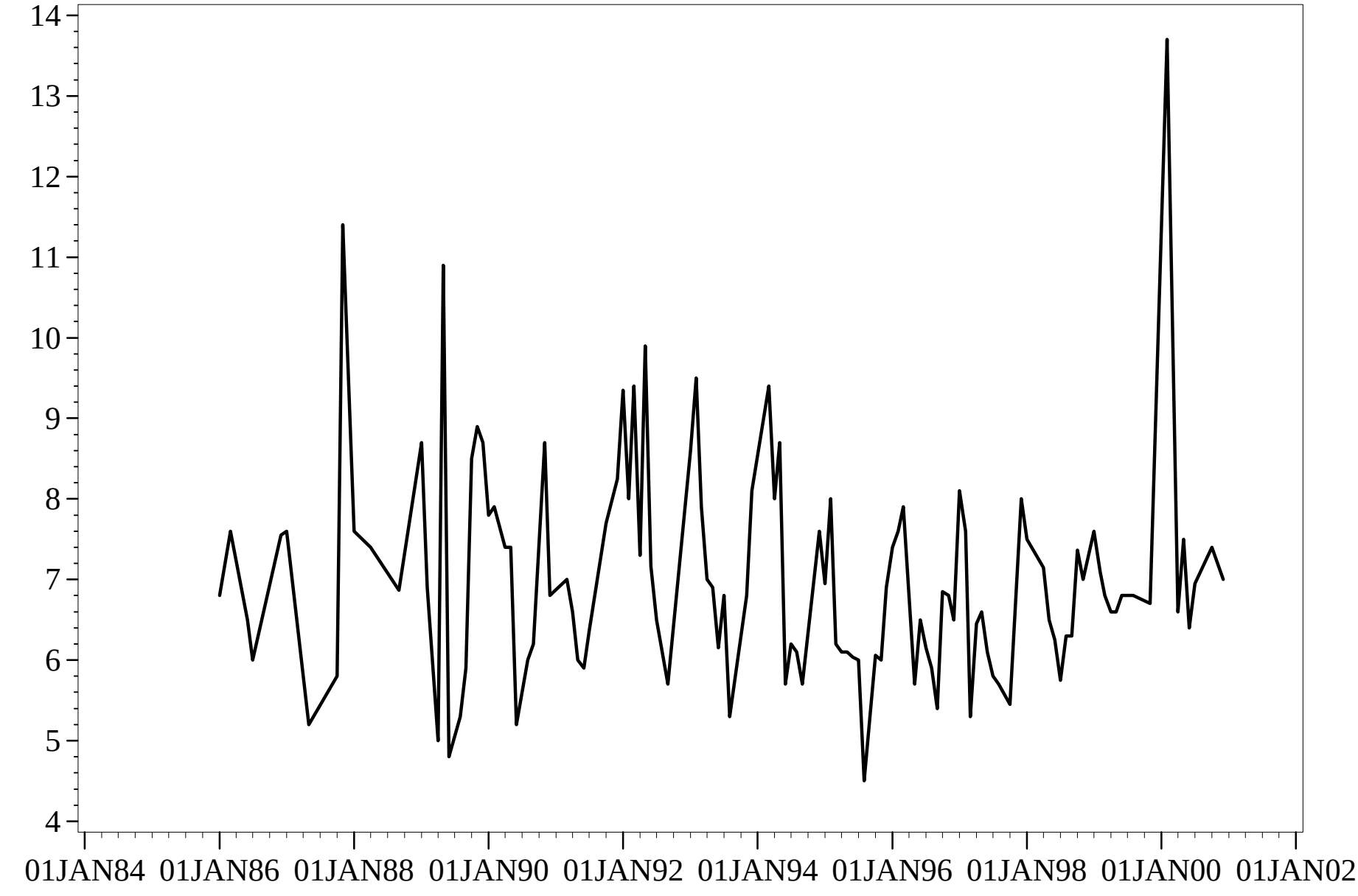
Lemon Bay Trends Appendix - Display 630
Correlogram for Surface Dissolved Oxygen at FDEP Station 56127SEAS

Adjusted for Seasonal Median and Detrended



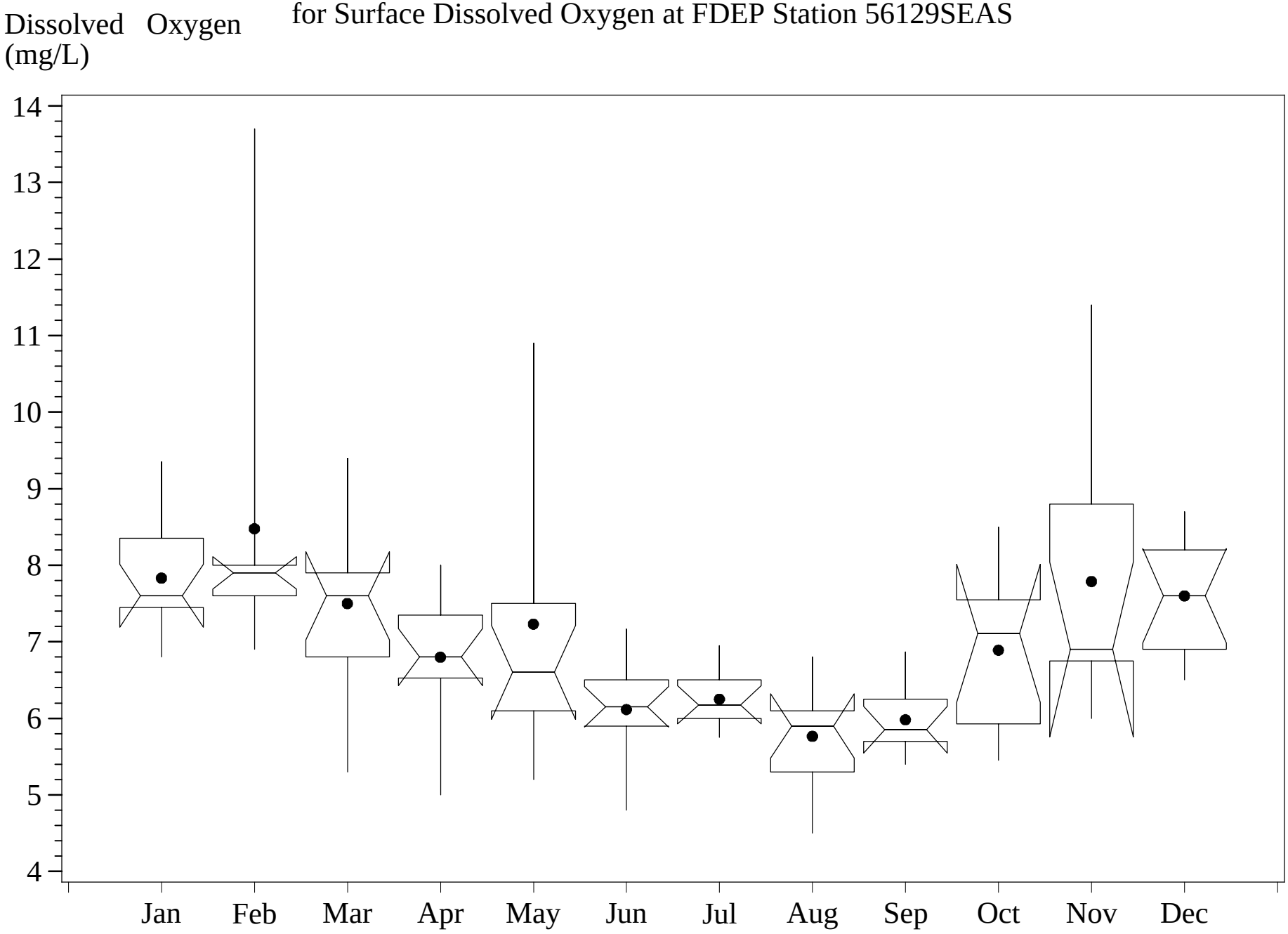
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 631
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56129SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 632

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56129SEAS



Lemon Bay Trends Appendix - Display 633

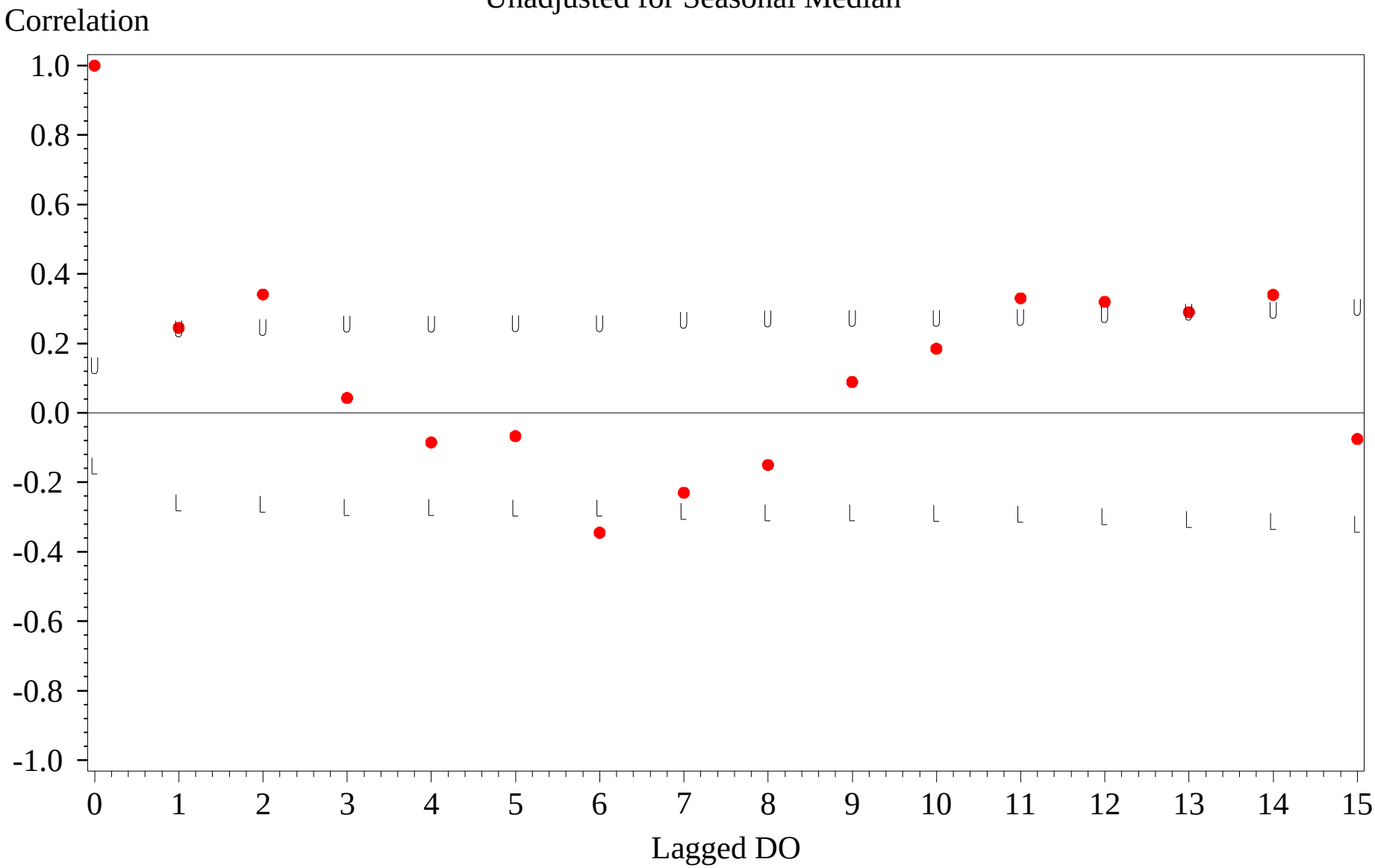
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56129SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.245	0.125	0.250	-0.250
2	0.341	0.127	0.255	-0.255
3	0.043	0.132	0.264	-0.264
4	-0.085	0.132	0.264	-0.264
5	-0.067	0.133	0.265	-0.265
6	-0.345	0.133	0.265	-0.265
7	-0.230	0.137	0.275	-0.275
8	-0.150	0.139	0.279	-0.279
9	0.089	0.140	0.280	-0.280
10	0.185	0.140	0.281	-0.281
11	0.330	0.142	0.283	-0.283
12	0.320	0.146	0.291	-0.291
13	0.290	0.149	0.299	-0.299
14	0.340	0.152	0.304	-0.304
15	-0.075	0.156	0.312	-0.312

Lemon Bay Trends Appendix - Display 634
Correlogram for Surface Dissolved Oxygen at FDEP Station 56129SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 635

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56129SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.047	0.529	0.665	-0.017

Lemon Bay Trends Appendix - Display 636

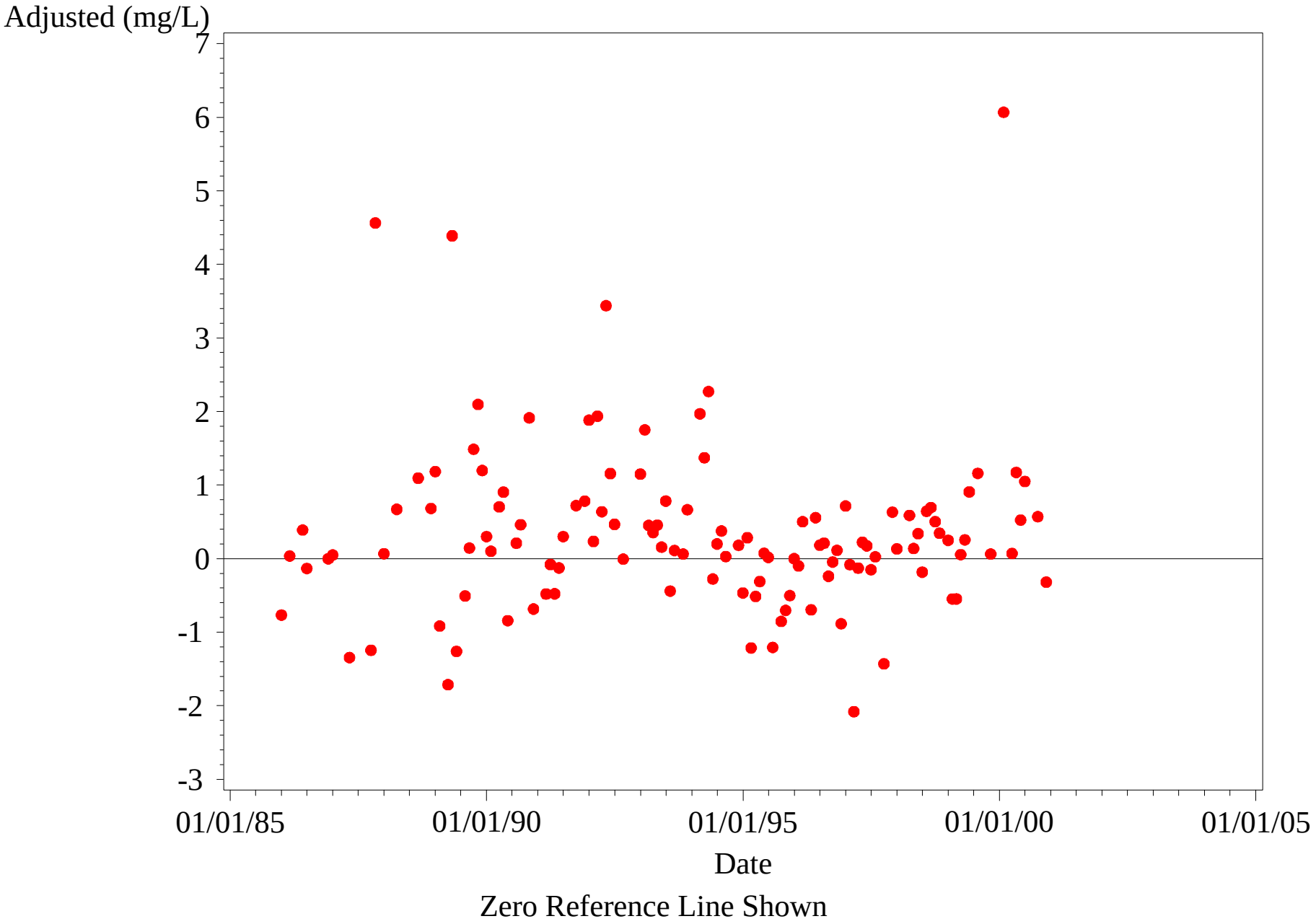
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56129SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.046552	0.52907	0.66464	-0.016667

Lemon Bay Trends Appendix - Display 637

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56129SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 638

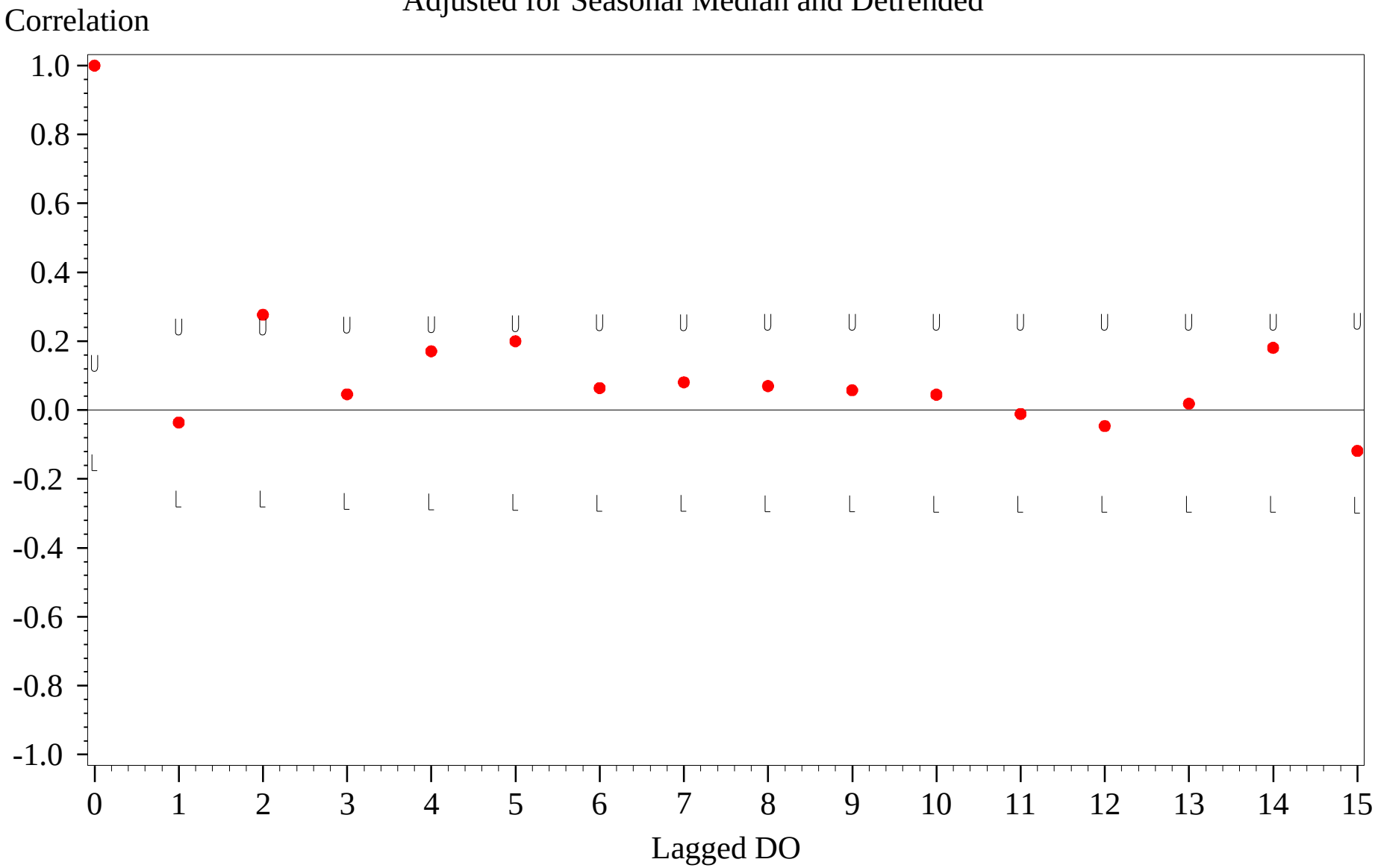
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56129SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	-0.036	0.125	0.250	-0.250
2	0.277	0.125	0.250	-0.250
3	0.046	0.128	0.256	-0.256
4	0.171	0.128	0.257	-0.257
5	0.200	0.129	0.259	-0.259
6	0.064	0.131	0.262	-0.262
7	0.081	0.131	0.262	-0.262
8	0.070	0.131	0.263	-0.263
9	0.058	0.132	0.263	-0.263
10	0.045	0.132	0.264	-0.264
11	-0.011	0.132	0.264	-0.264
12	-0.046	0.132	0.264	-0.264
13	0.019	0.132	0.264	-0.264
14	0.181	0.132	0.264	-0.264
15	-0.118	0.133	0.267	-0.267

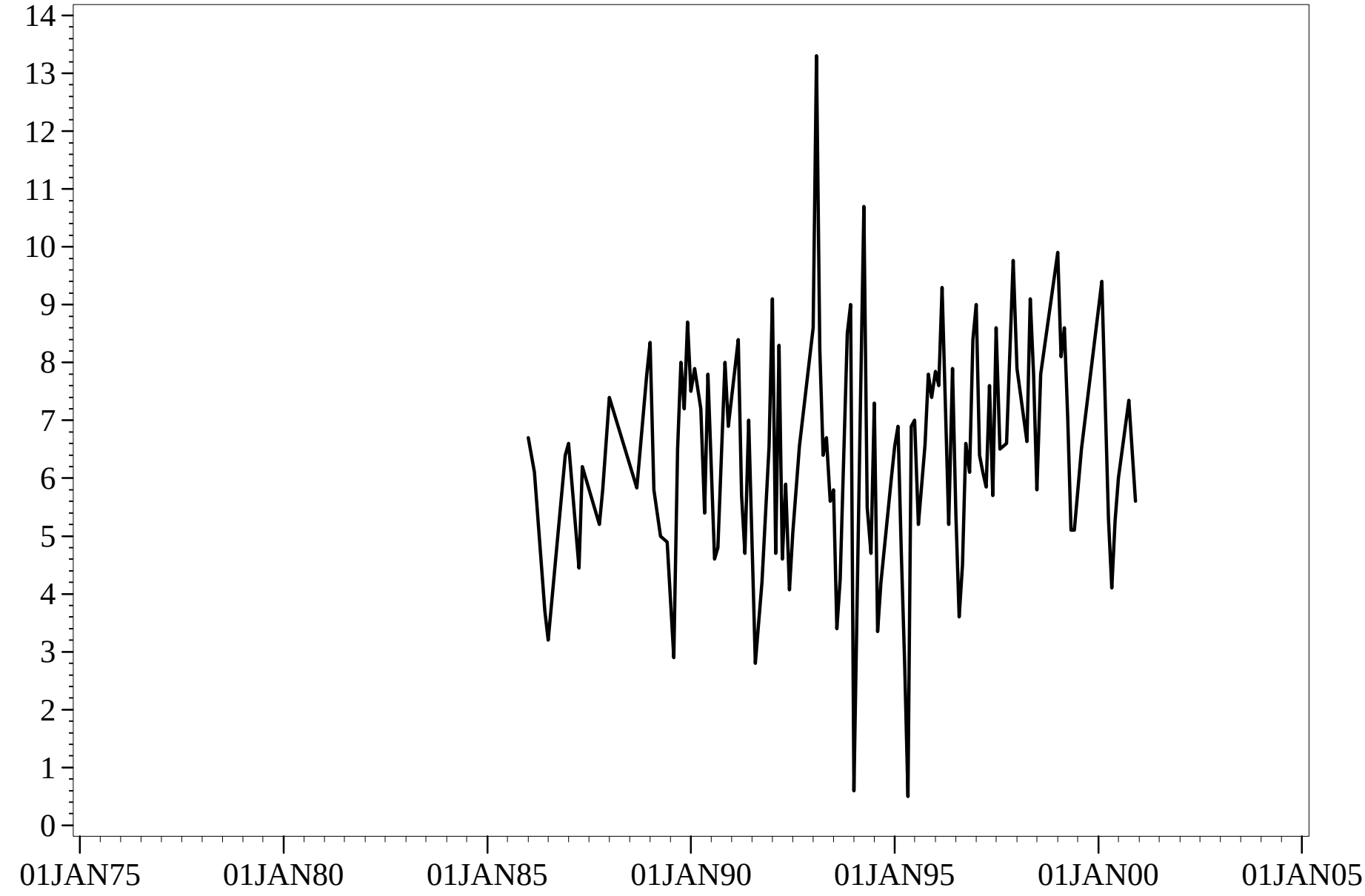
Lemon Bay Trends Appendix - Display 639
Correlogram for Surface Dissolved Oxygen at FDEP Station 56129SEAS

Adjusted for Seasonal Median and Detrended



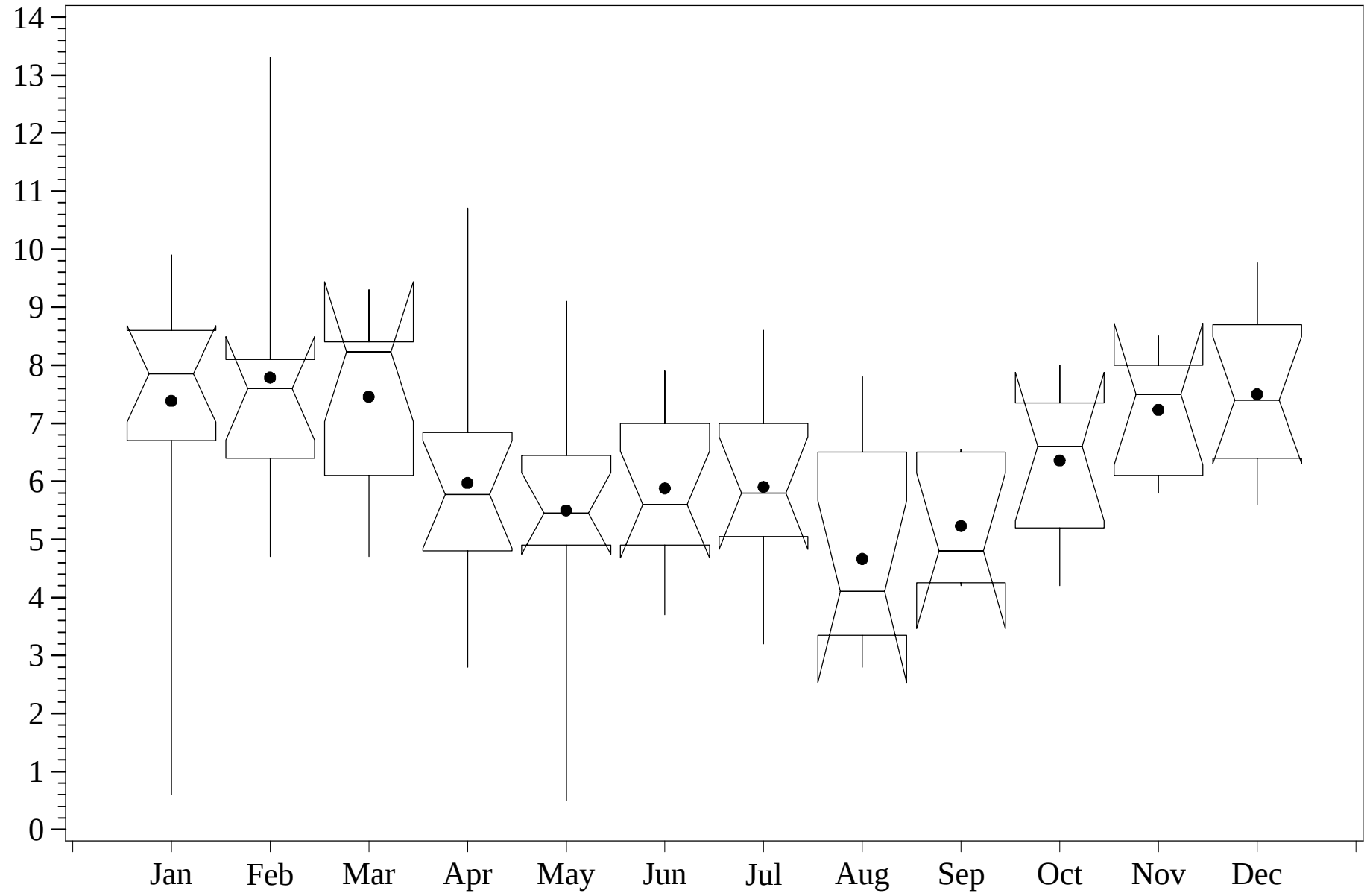
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 640
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56170SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 641

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56170SEAS



Lemon Bay Trends Appendix - Display 642

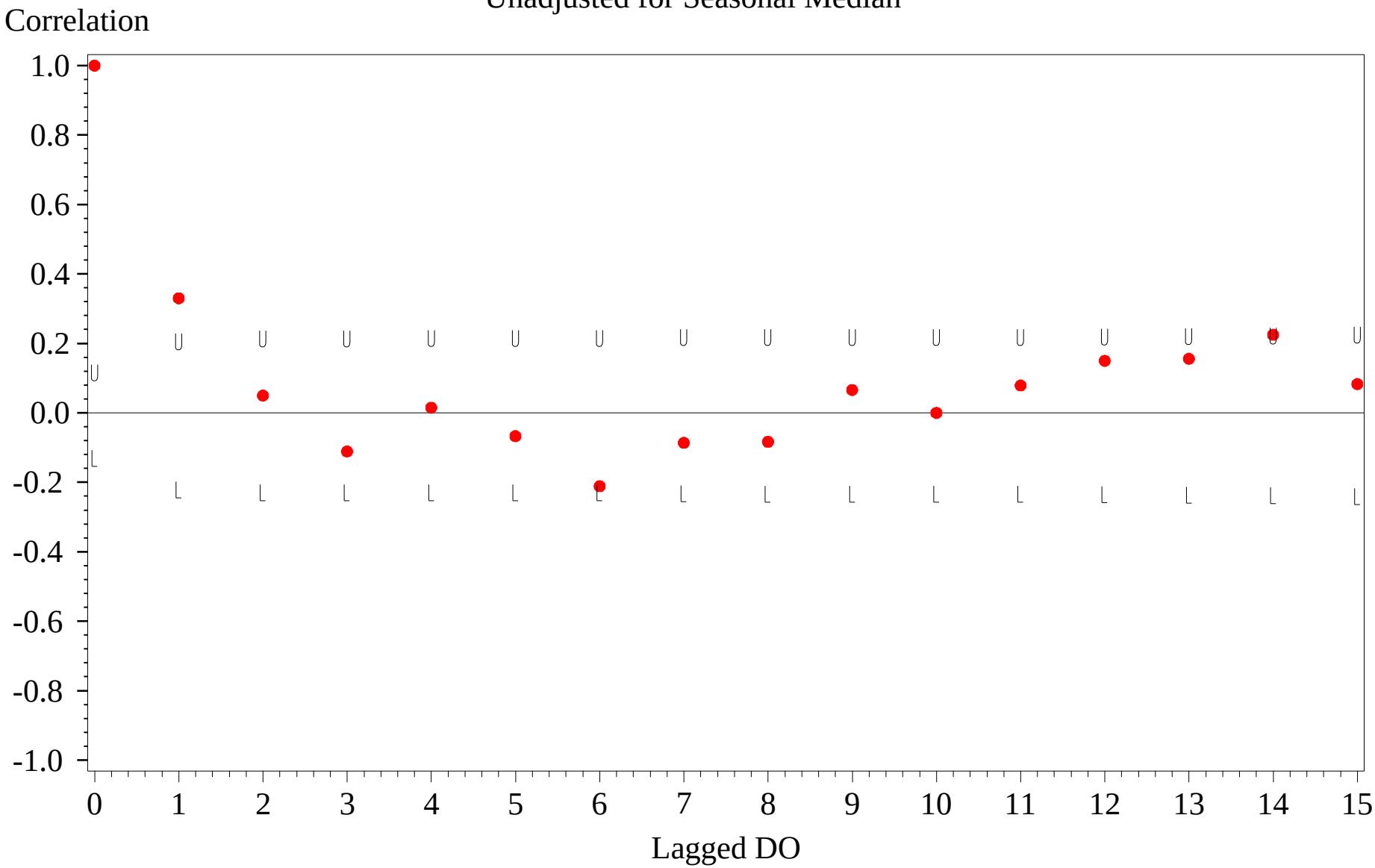
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56170SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.330	0.107	0.213	-0.213
2	0.050	0.110	0.221	-0.221
3	-0.111	0.110	0.221	-0.221
4	0.015	0.111	0.222	-0.222
5	-0.067	0.111	0.222	-0.222
6	-0.211	0.111	0.222	-0.222
7	-0.086	0.113	0.225	-0.225
8	-0.083	0.113	0.226	-0.226
9	0.066	0.113	0.226	-0.226
10	0.000	0.113	0.226	-0.226
11	0.079	0.113	0.226	-0.226
12	0.150	0.113	0.227	-0.227
13	0.156	0.114	0.228	-0.228
14	0.225	0.115	0.230	-0.230
15	0.083	0.117	0.233	-0.233

Lemon Bay Trends Appendix - Display 643
Correlogram for Surface Dissolved Oxygen at FDEP Station 56170SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 644

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56170SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.215	.003	0.035	0.117

Lemon Bay Trends Appendix - Display 645

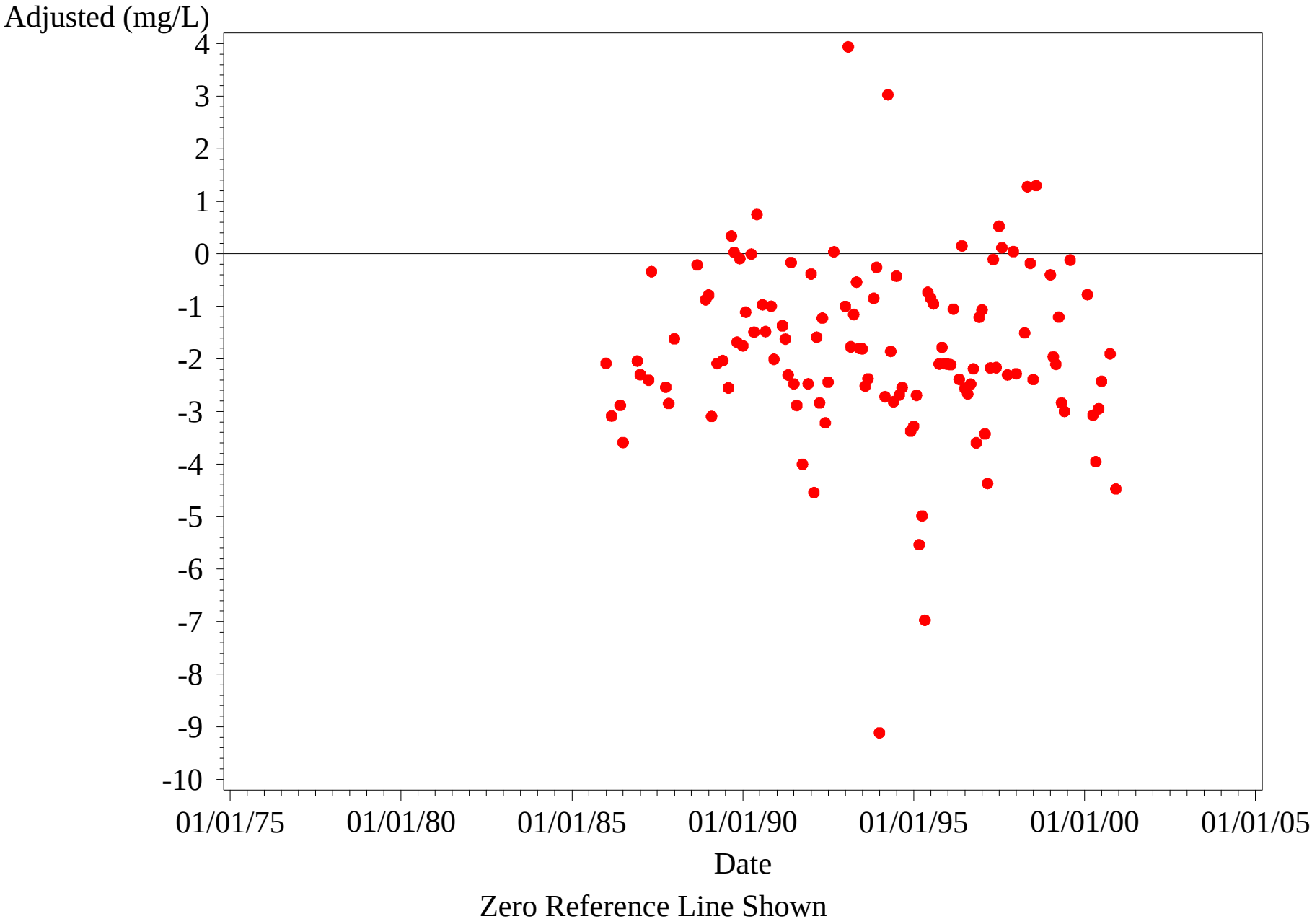
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56170SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.21530	.00335431	0.035306	0.11659

Lemon Bay Trends Appendix - Display 646

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56170SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 647

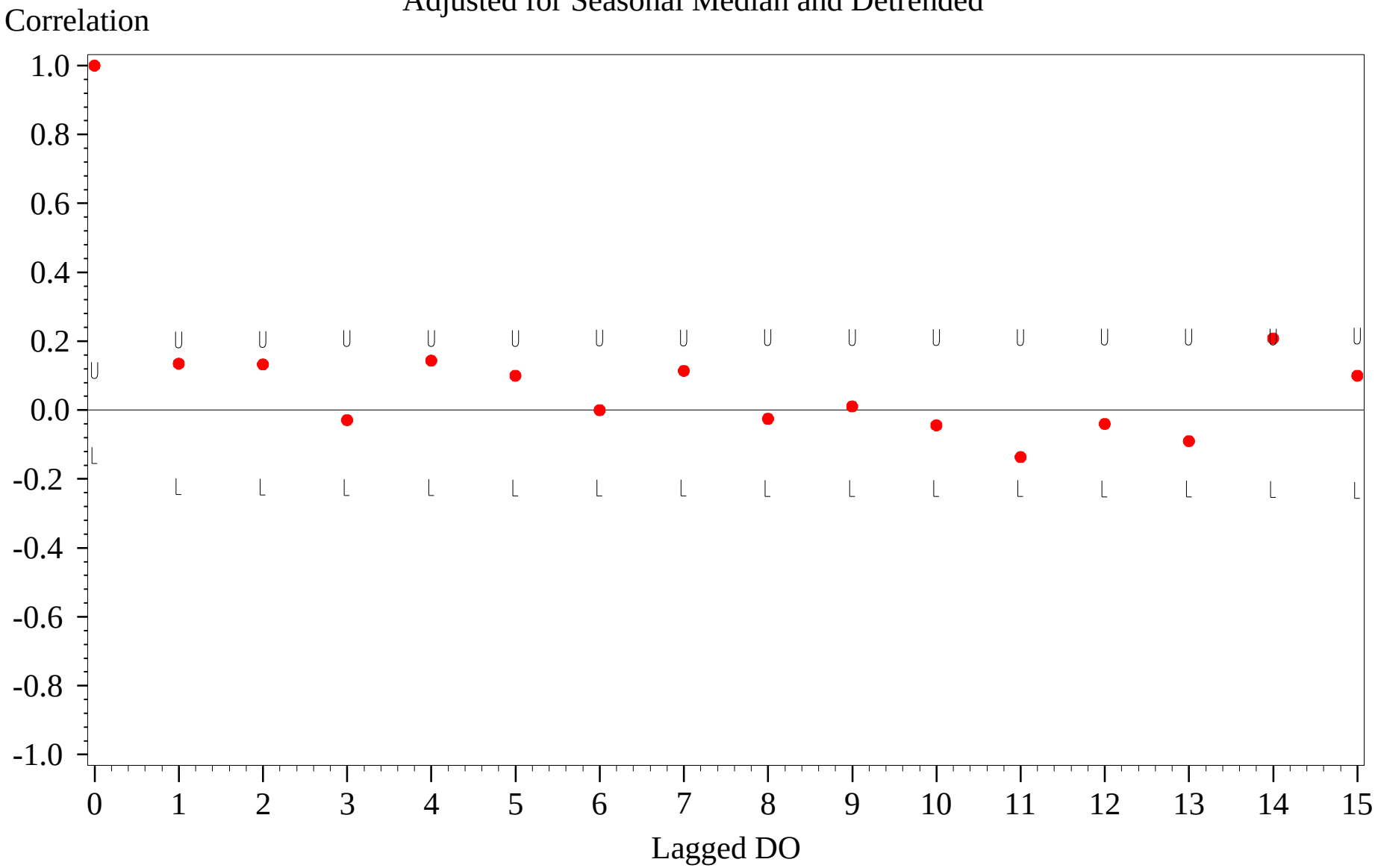
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56170SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.135	0.107	0.213	-0.213
2	0.133	0.107	0.214	-0.214
3	-0.029	0.108	0.216	-0.216
4	0.144	0.108	0.216	-0.216
5	0.100	0.109	0.217	-0.217
6	0.000	0.109	0.218	-0.218
7	0.114	0.109	0.218	-0.218
8	-0.025	0.109	0.219	-0.219
9	0.011	0.109	0.219	-0.219
10	-0.044	0.109	0.219	-0.219
11	-0.136	0.110	0.219	-0.219
12	-0.040	0.110	0.220	-0.220
13	-0.090	0.110	0.220	-0.220
14	0.208	0.110	0.221	-0.221
15	0.100	0.112	0.224	-0.224

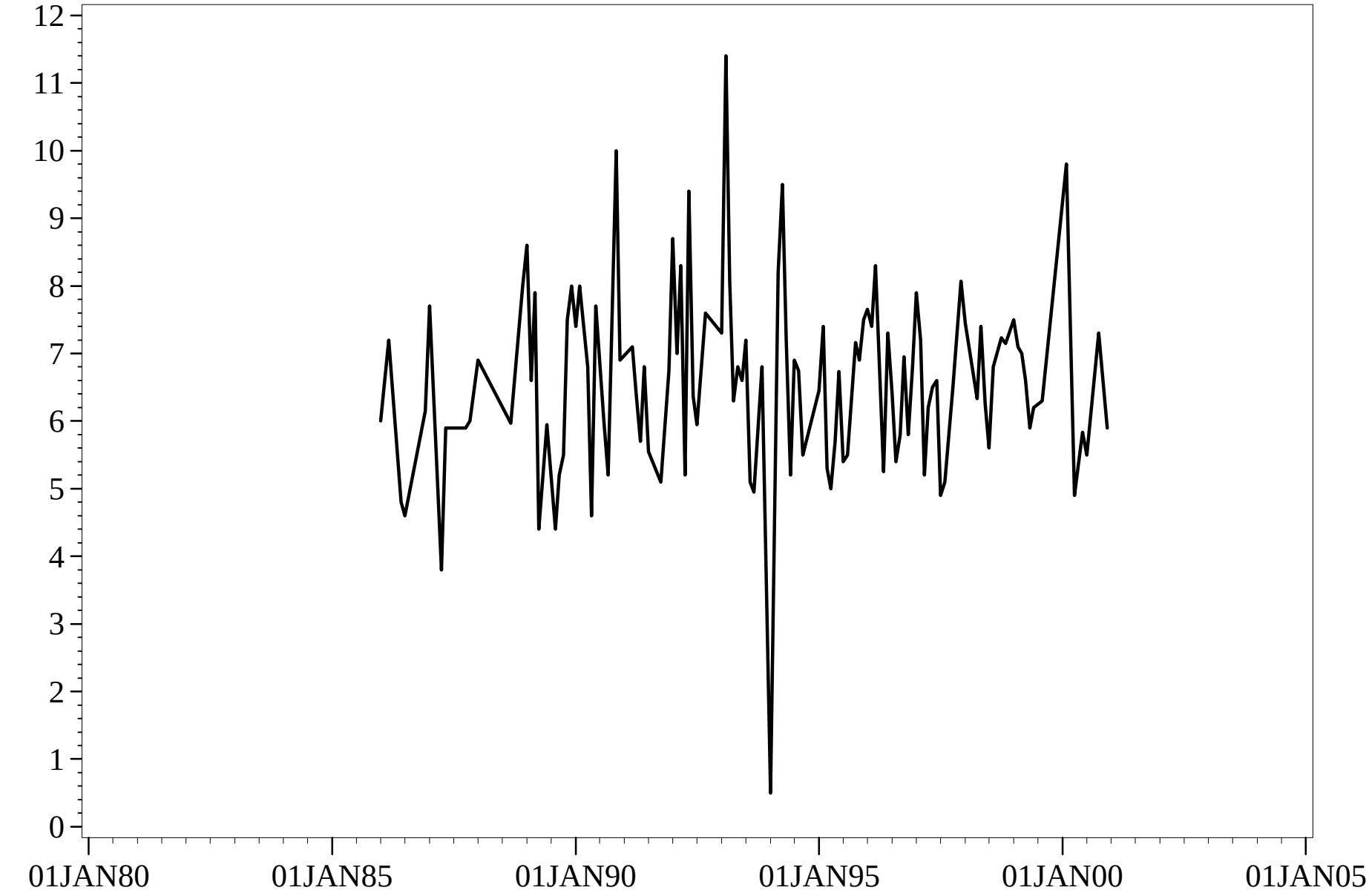
Lemon Bay Trends Appendix - Display 648
Correlogram for Surface Dissolved Oxygen at FDEP Station 56170SEAS

Adjusted for Seasonal Median and Detrended



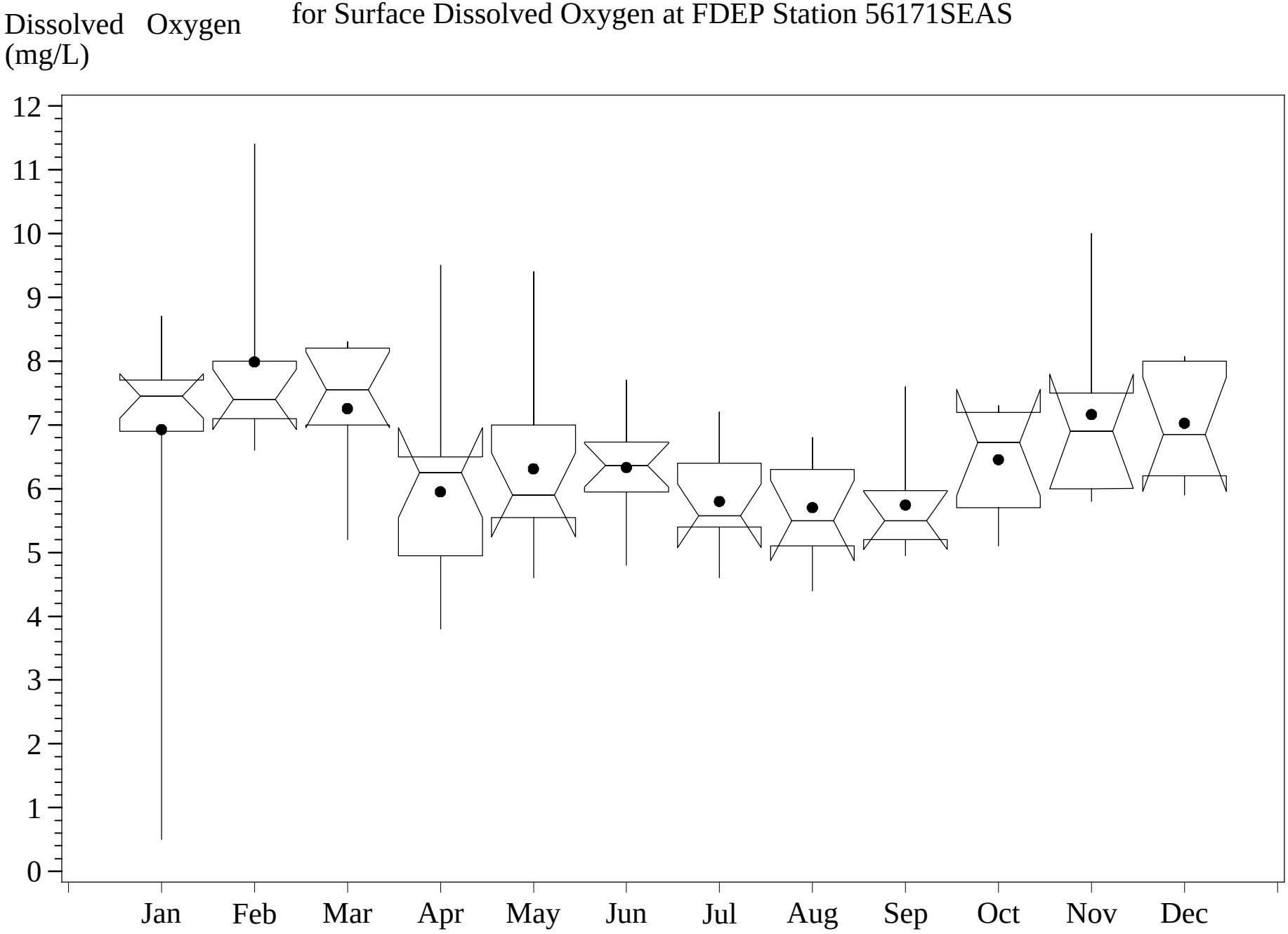
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 649
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56171SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 650

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56171SEAS



Lemon Bay Trends Appendix - Display 651

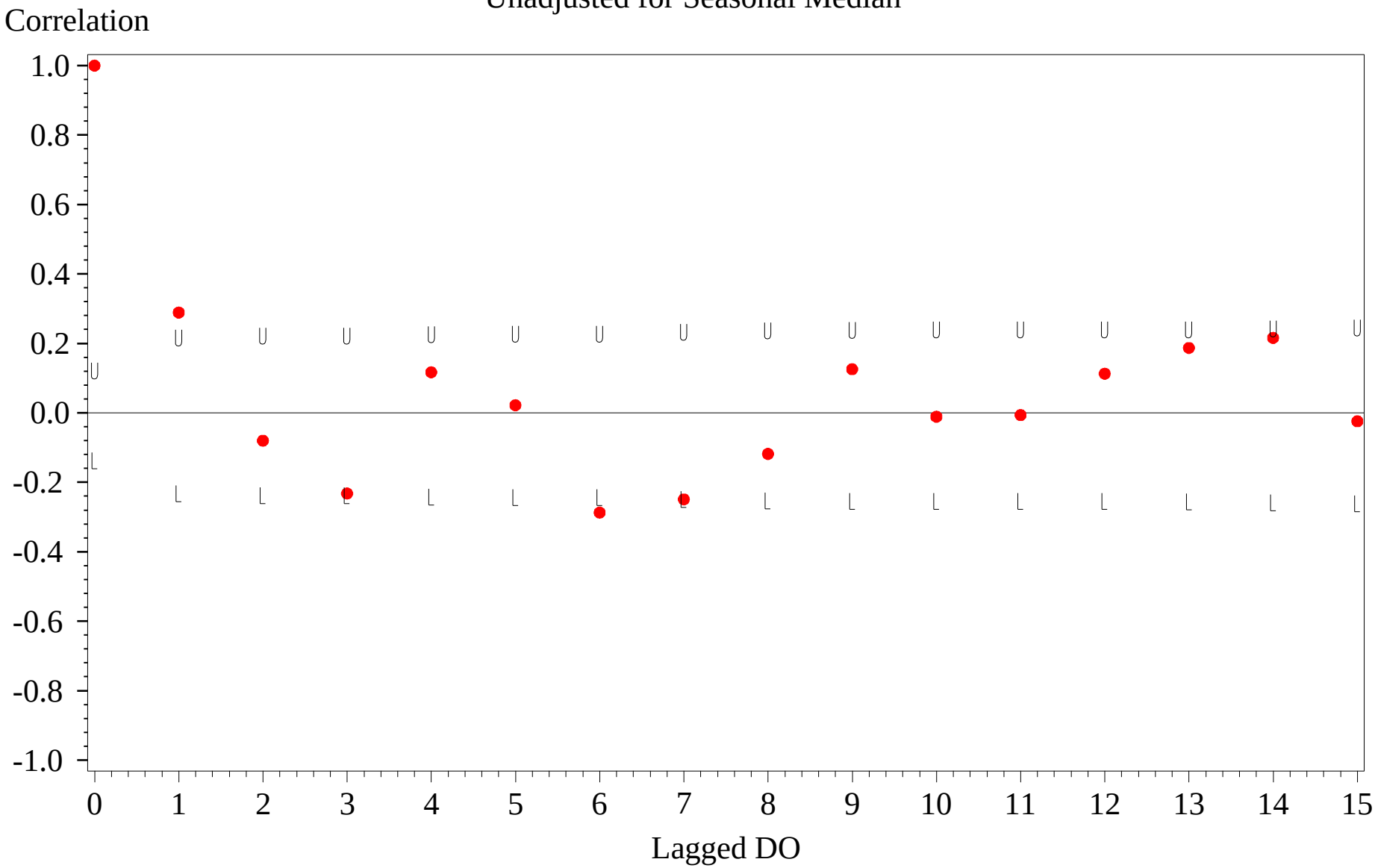
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56171SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.289	0.112	0.224	-0.224
2	-0.080	0.115	0.230	-0.230
3	-0.232	0.115	0.230	-0.230
4	0.117	0.117	0.234	-0.234
5	0.022	0.118	0.235	-0.235
6	-0.287	0.118	0.235	-0.235
7	-0.249	0.120	0.241	-0.241
8	-0.118	0.123	0.245	-0.245
9	0.126	0.123	0.246	-0.246
10	-0.011	0.124	0.247	-0.247
11	-0.006	0.124	0.247	-0.247
12	0.113	0.124	0.247	-0.247
13	0.187	0.124	0.248	-0.248
14	0.216	0.125	0.250	-0.250
15	-0.024	0.127	0.253	-0.253

Lemon Bay Trends Appendix - Display 652
Correlogram for Surface Dissolved Oxygen at FDEP Station 56171SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 653

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56171SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.055	0.463	0.491	0.02

Lemon Bay Trends Appendix - Display 654

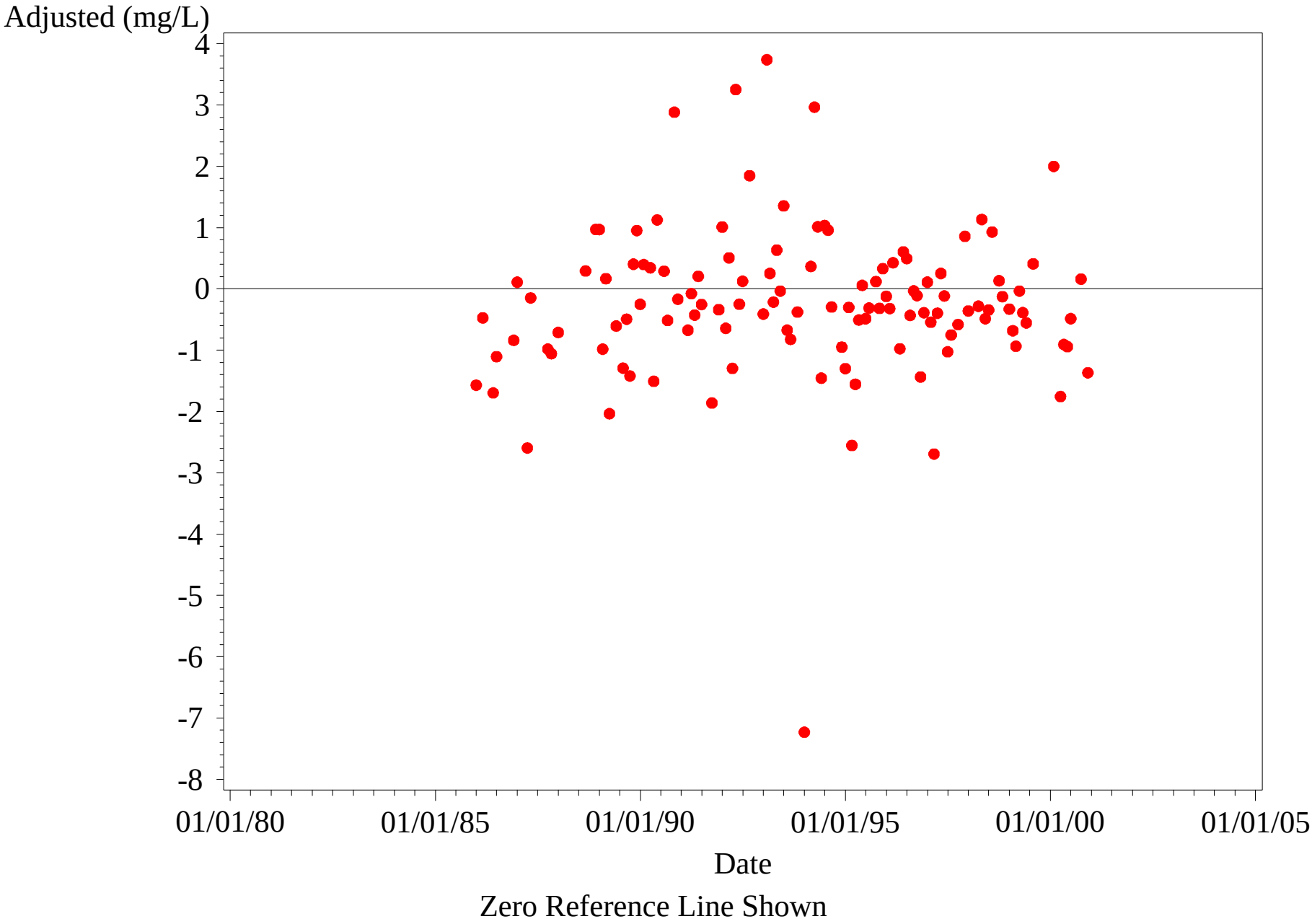
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56171SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054867	0.46257	0.49096	0.02

Lemon Bay Trends Appendix - Display 655

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56171SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 656

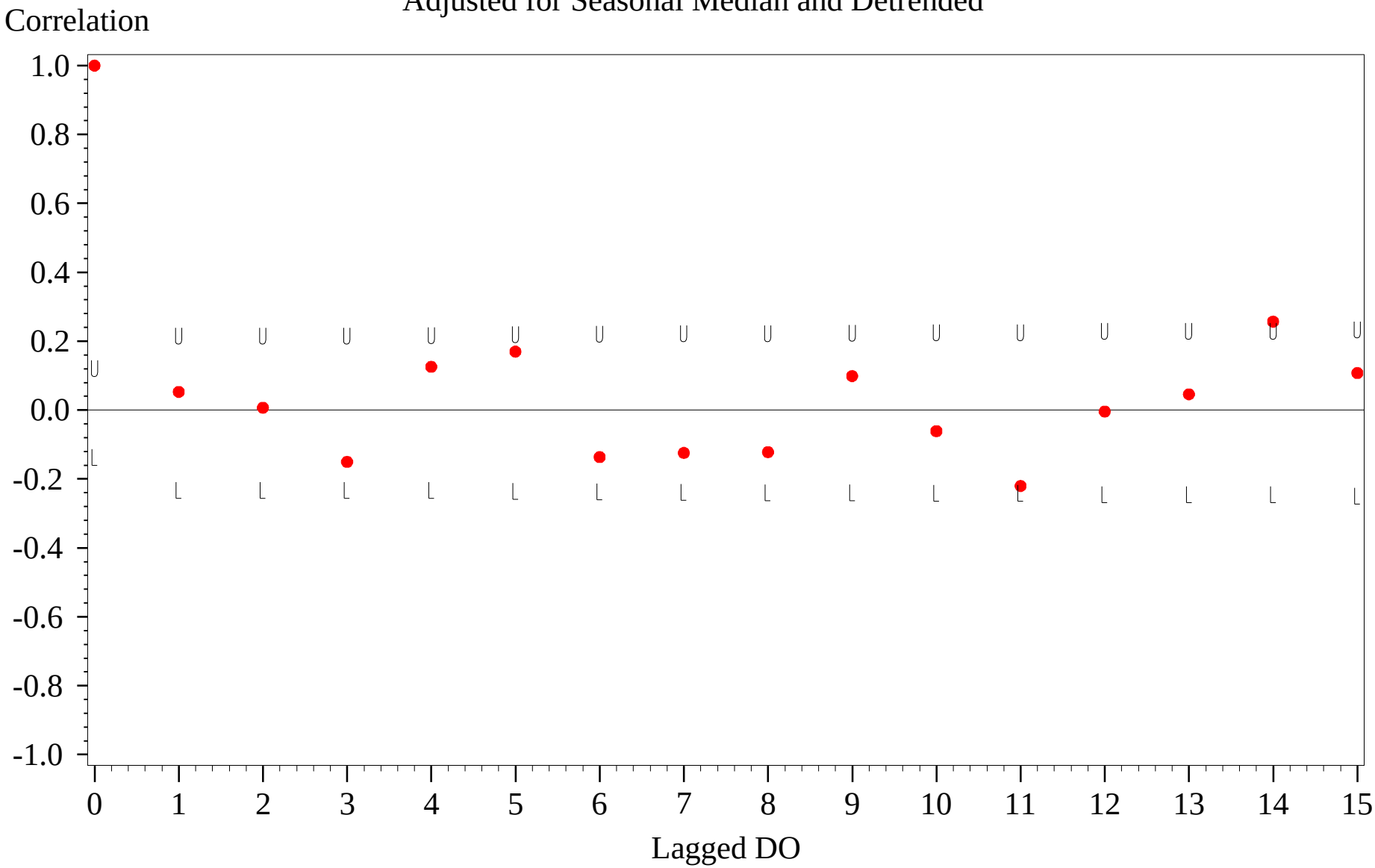
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56171SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.053	0.112	0.224	-0.224
2	0.007	0.112	0.224	-0.224
3	-0.150	0.112	0.224	-0.224
4	0.126	0.113	0.225	-0.225
5	0.170	0.113	0.227	-0.227
6	-0.136	0.114	0.229	-0.229
7	-0.124	0.115	0.230	-0.230
8	-0.122	0.116	0.231	-0.231
9	0.099	0.116	0.232	-0.232
10	-0.061	0.117	0.233	-0.233
11	-0.220	0.117	0.233	-0.233
12	-0.004	0.118	0.237	-0.237
13	0.046	0.118	0.237	-0.237
14	0.257	0.118	0.237	-0.237
15	0.108	0.121	0.241	-0.241

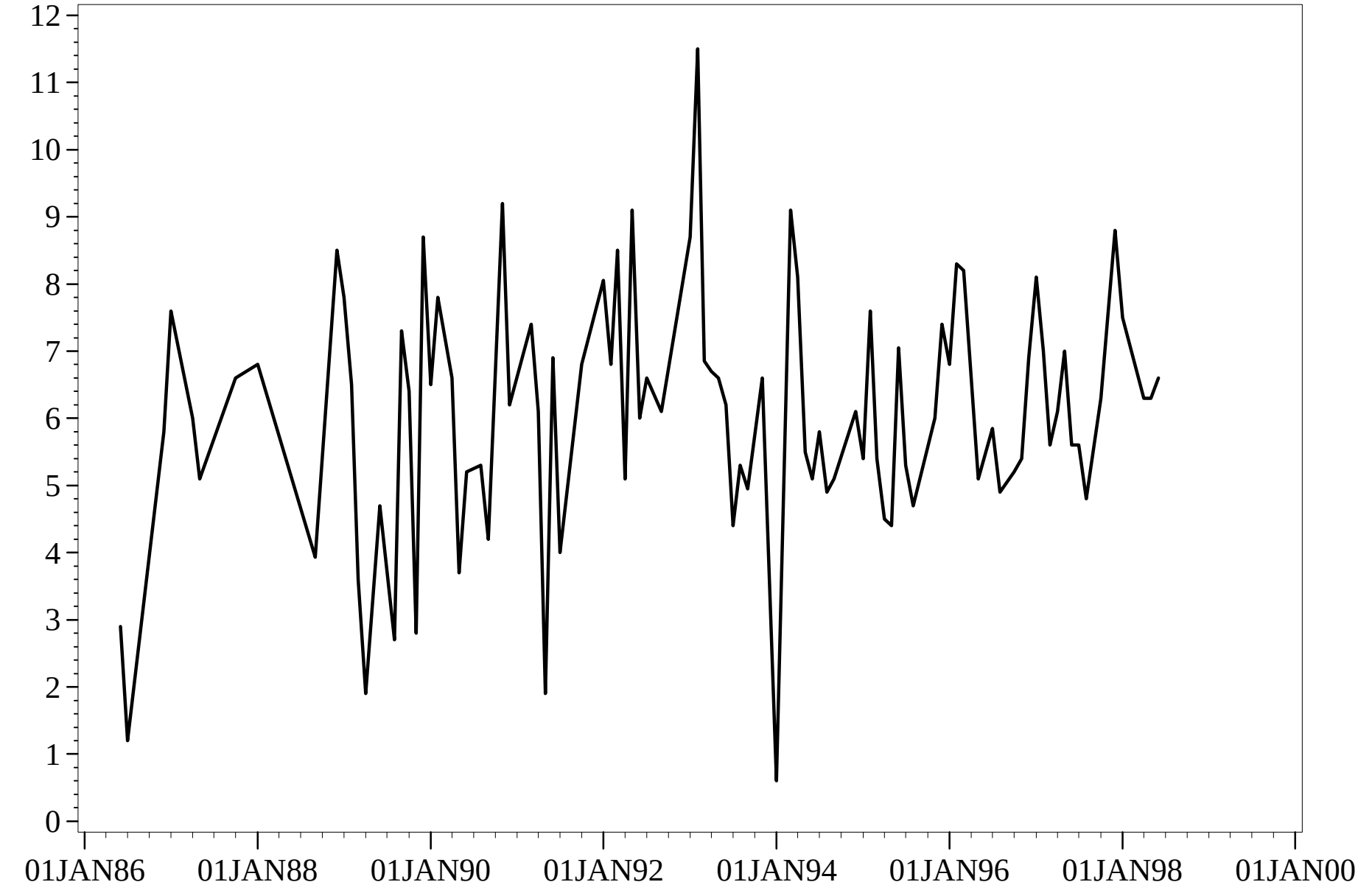
Lemon Bay Trends Appendix - Display 657
Correlogram for Surface Dissolved Oxygen at FDEP Station 56171SEAS

Adjusted for Seasonal Median and Detrended



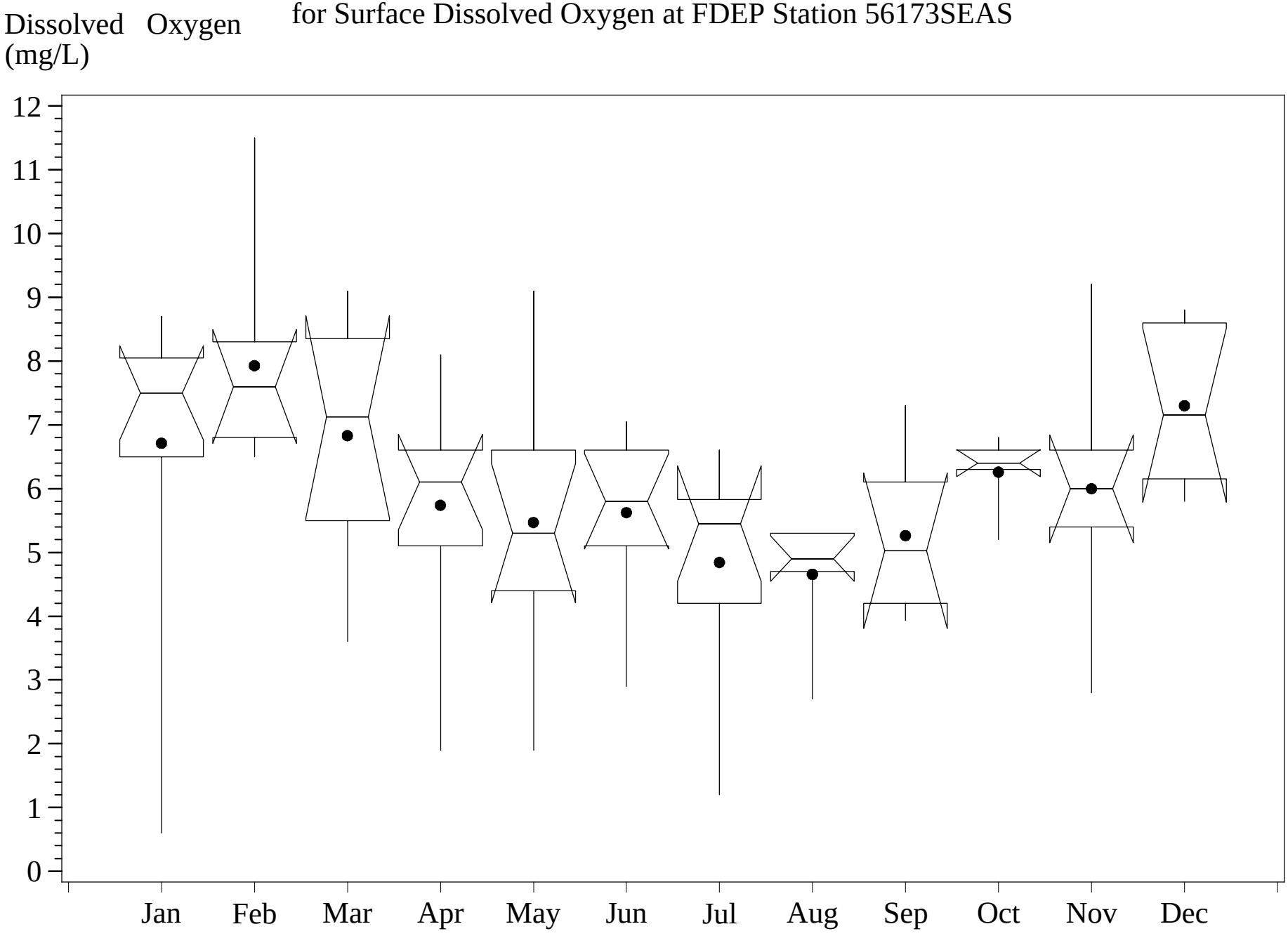
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 658
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56173SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 659

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56173SEAS



Lemon Bay Trends Appendix - Display 660

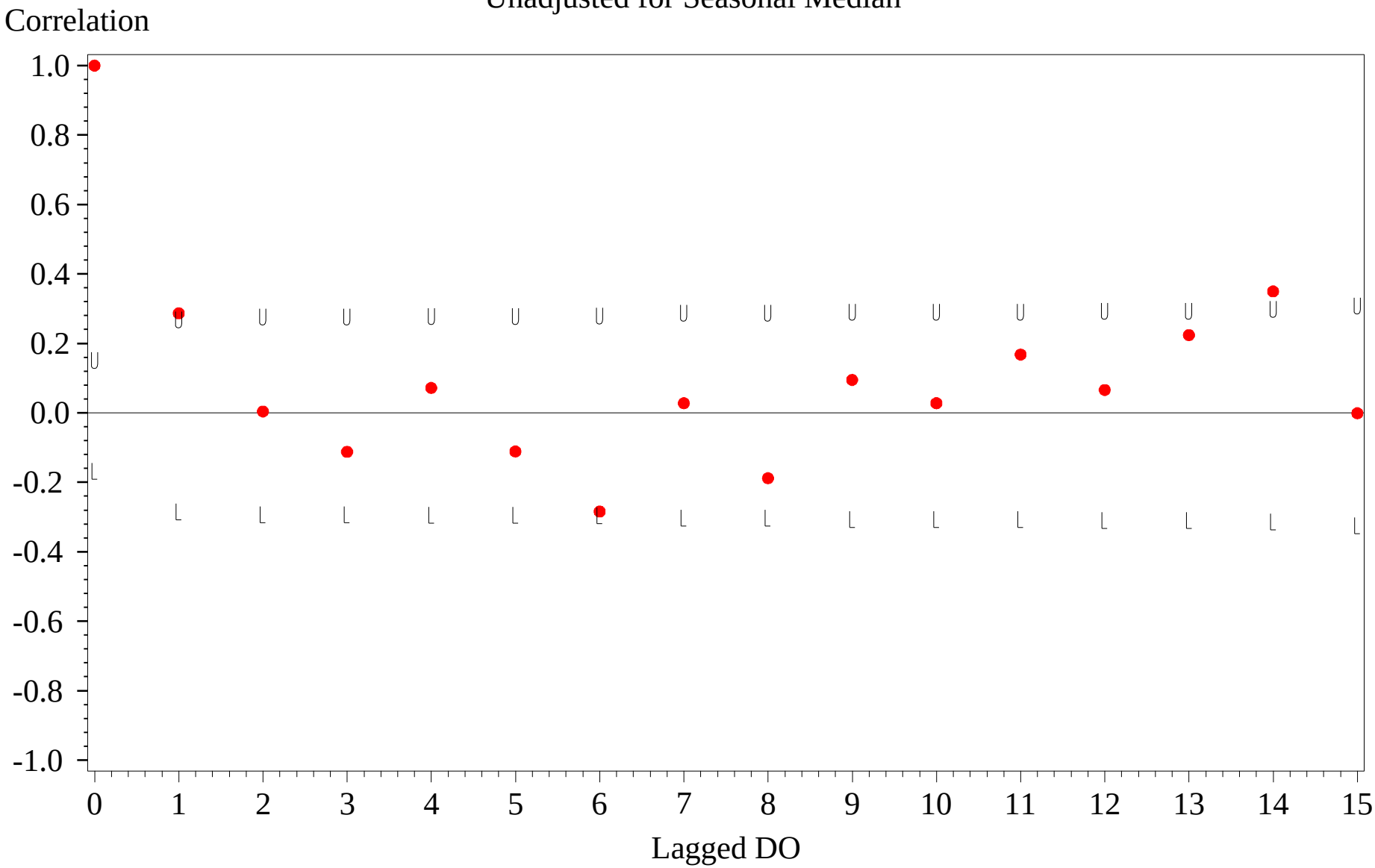
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56173SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.287	0.139	0.277	-0.277
2	0.004	0.142	0.285	-0.285
3	-0.112	0.142	0.285	-0.285
4	0.072	0.143	0.286	-0.286
5	-0.111	0.143	0.286	-0.286
6	-0.284	0.144	0.288	-0.288
7	0.028	0.147	0.295	-0.295
8	-0.188	0.147	0.295	-0.295
9	0.095	0.149	0.298	-0.298
10	0.028	0.149	0.299	-0.299
11	0.168	0.149	0.299	-0.299
12	0.066	0.151	0.301	-0.301
13	0.224	0.151	0.301	-0.301
14	0.350	0.153	0.306	-0.306
15	-0.001	0.158	0.316	-0.316

Lemon Bay Trends Appendix - Display 661
Correlogram for Surface Dissolved Oxygen at FDEP Station 56173SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 662

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56173SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.182	0.034	0.082	0.1

Lemon Bay Trends Appendix - Display 663

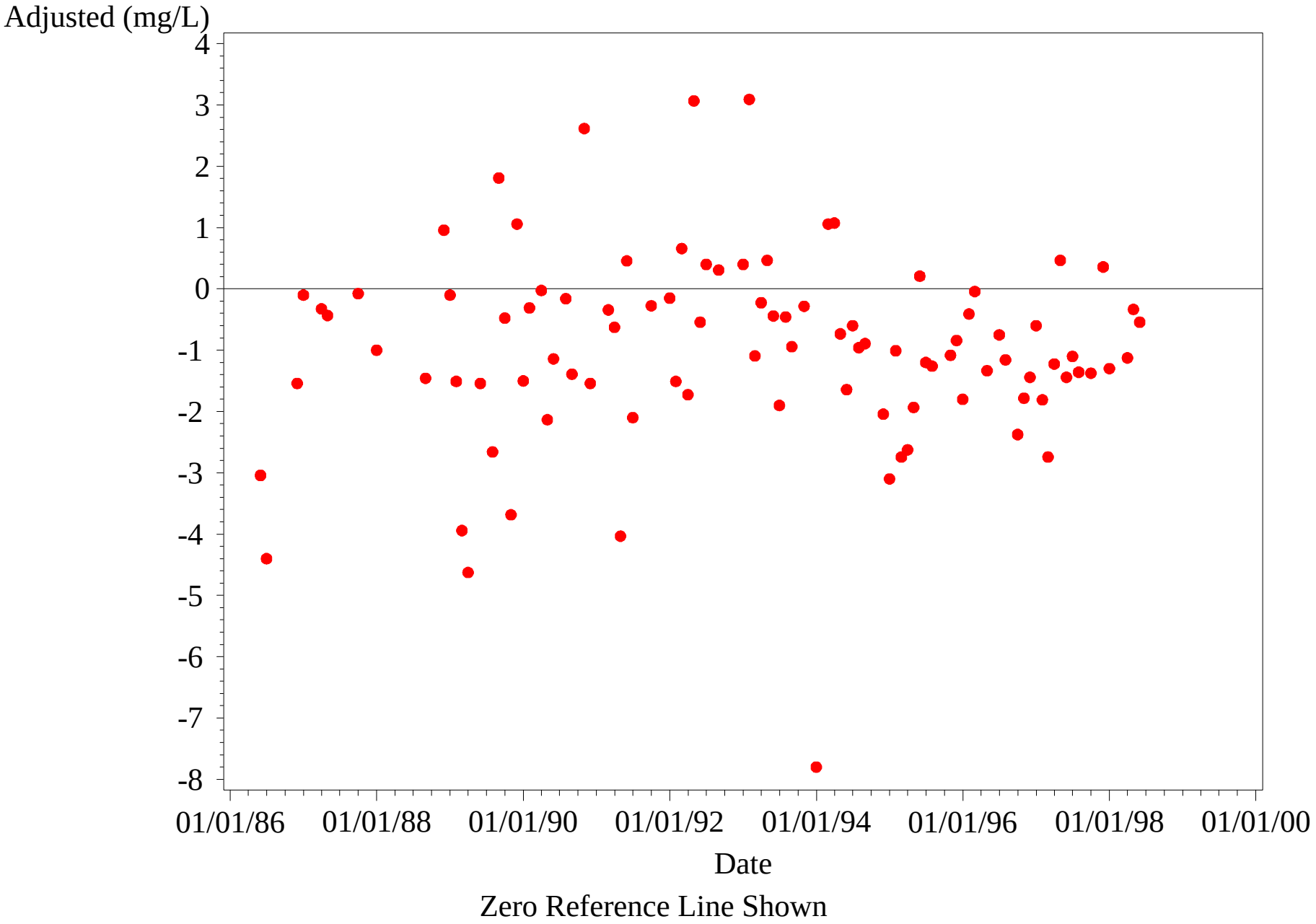
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56173SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.18234	0.033828	0.081827	0.1

Lemon Bay Trends Appendix - Display 664

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56173SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 665

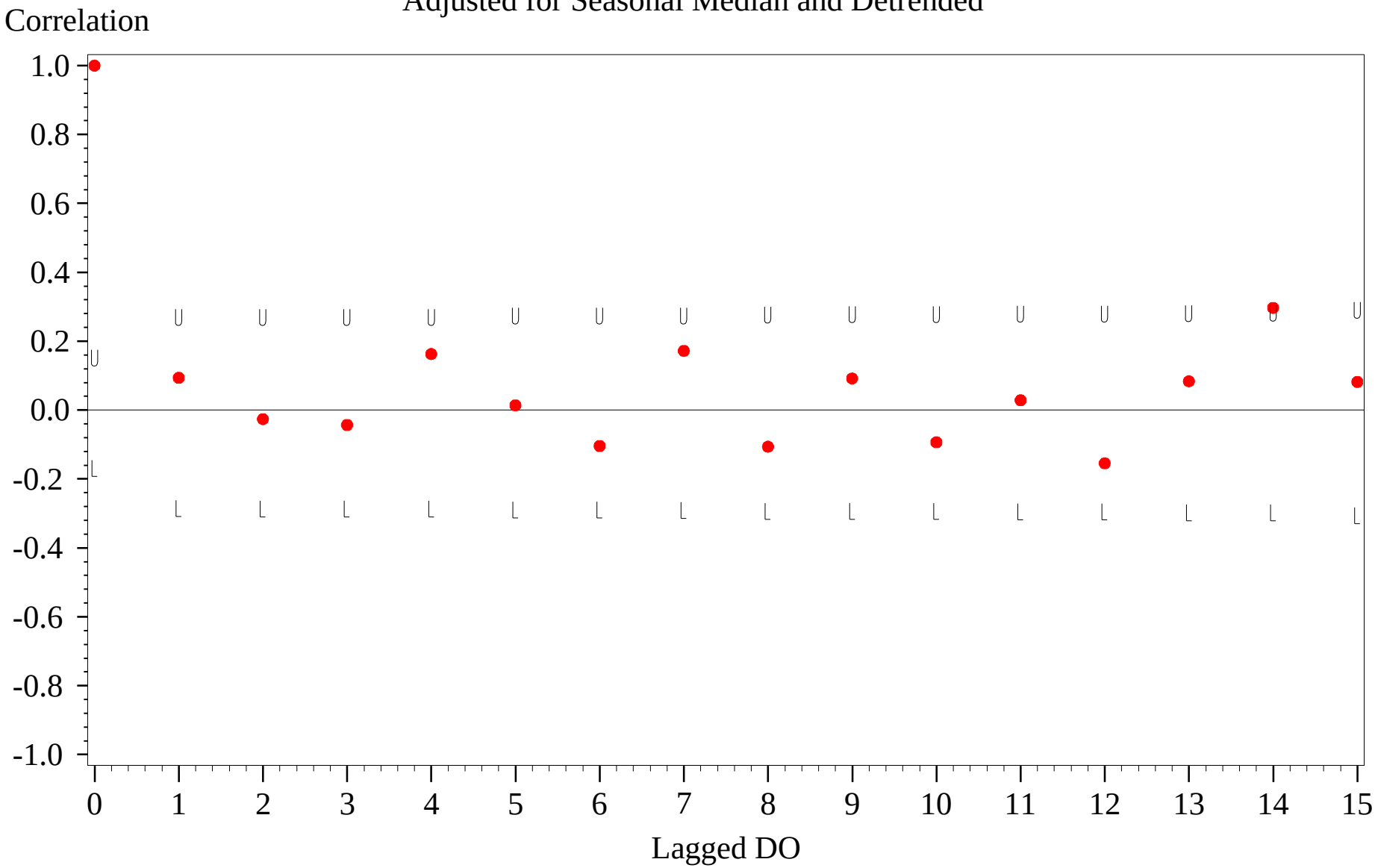
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56173SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.094	0.139	0.277	-0.277
2	-0.026	0.139	0.278	-0.278
3	-0.043	0.139	0.278	-0.278
4	0.163	0.139	0.278	-0.278
5	0.014	0.140	0.281	-0.281
6	-0.104	0.140	0.281	-0.281
7	0.172	0.141	0.282	-0.282
8	-0.106	0.142	0.285	-0.285
9	0.092	0.143	0.286	-0.286
10	-0.093	0.143	0.286	-0.286
11	0.029	0.144	0.287	-0.287
12	-0.154	0.144	0.287	-0.287
13	0.084	0.145	0.289	-0.289
14	0.297	0.145	0.290	-0.290
15	0.082	0.149	0.298	-0.298

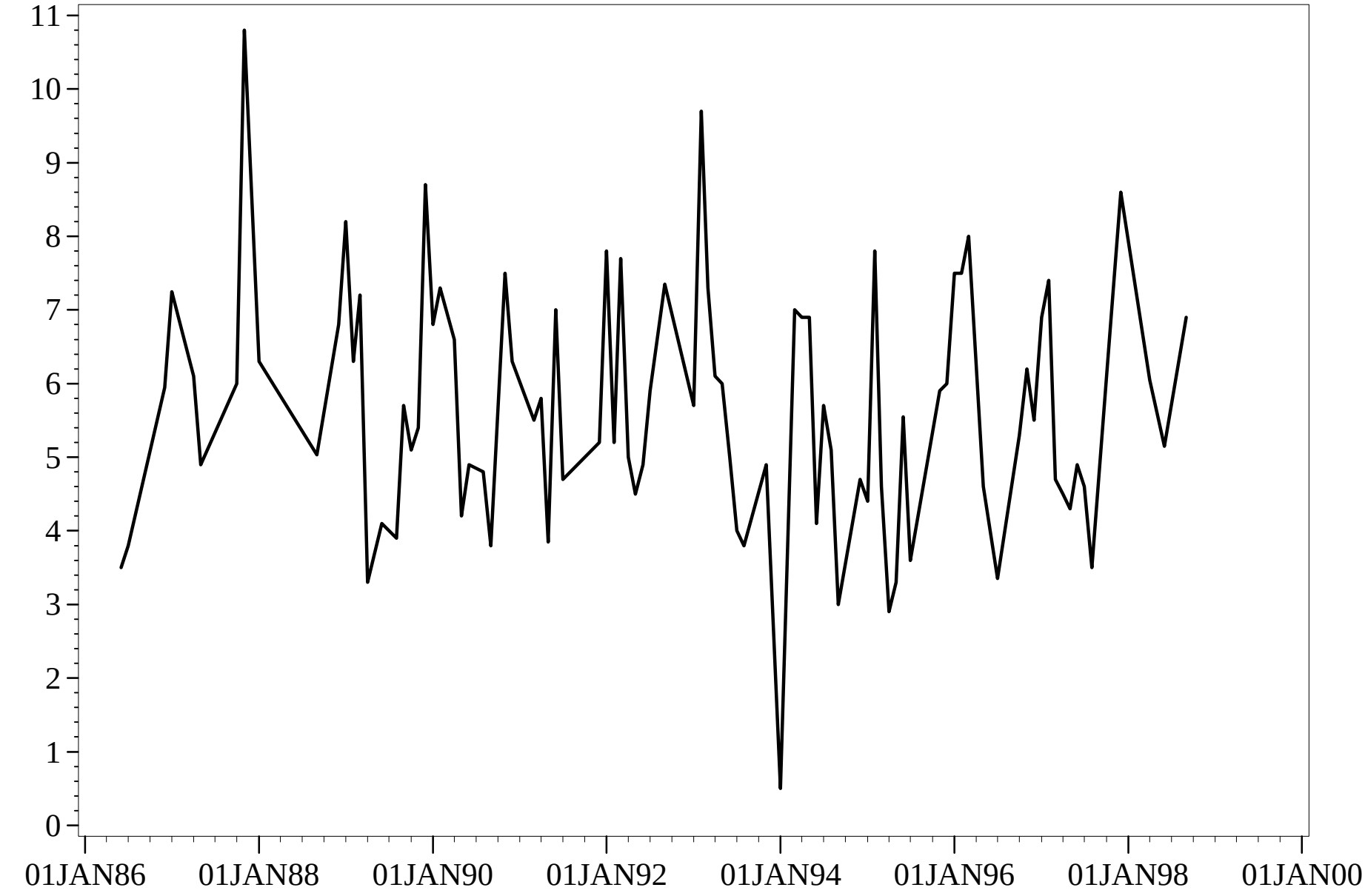
Lemon Bay Trends Appendix - Display 666
Correlogram for Surface Dissolved Oxygen at FDEP Station 56173SEAS

Adjusted for Seasonal Median and Detrended



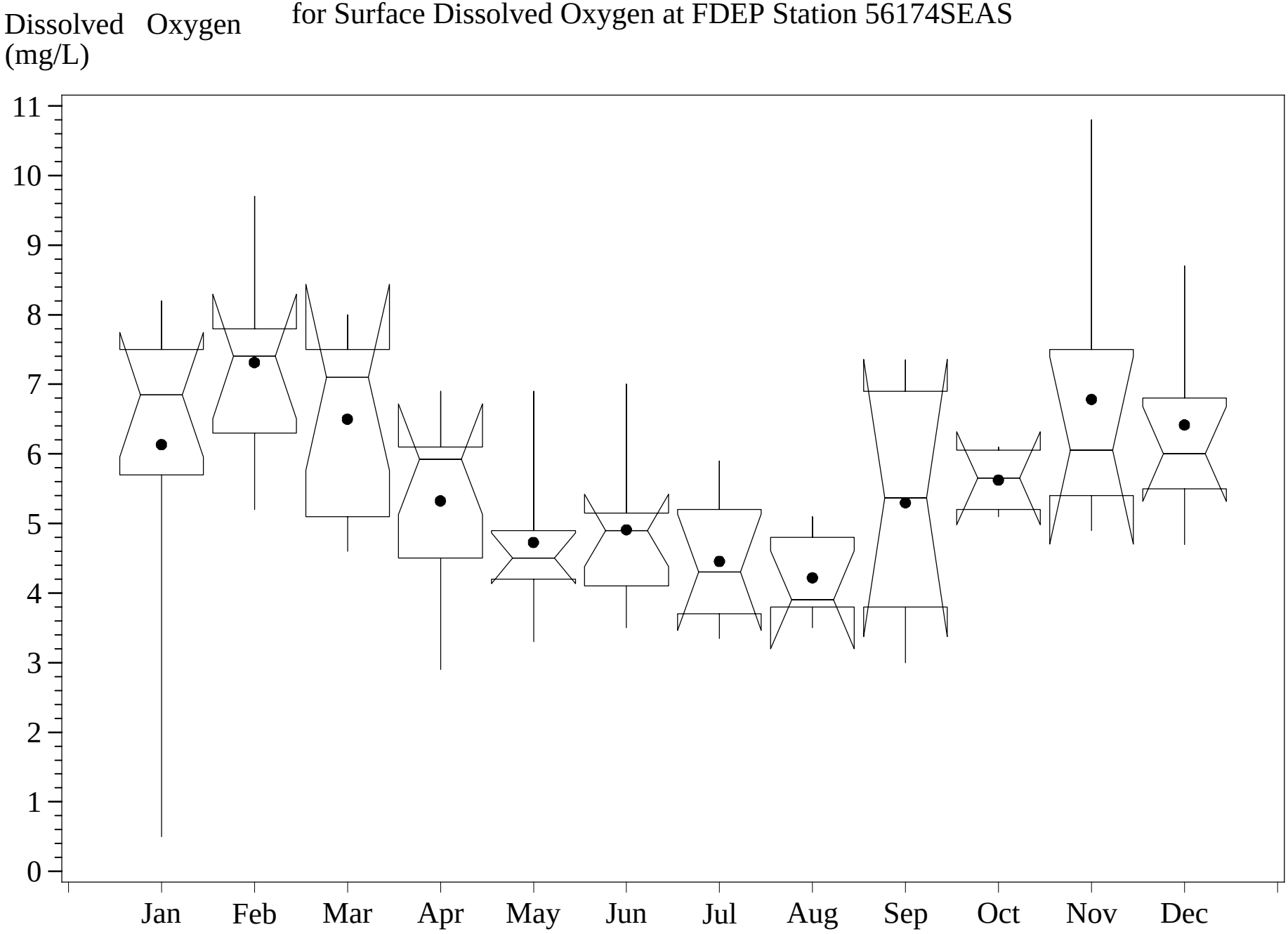
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 667
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56174SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 668

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56174SEAS



Lemon Bay Trends Appendix - Display 669

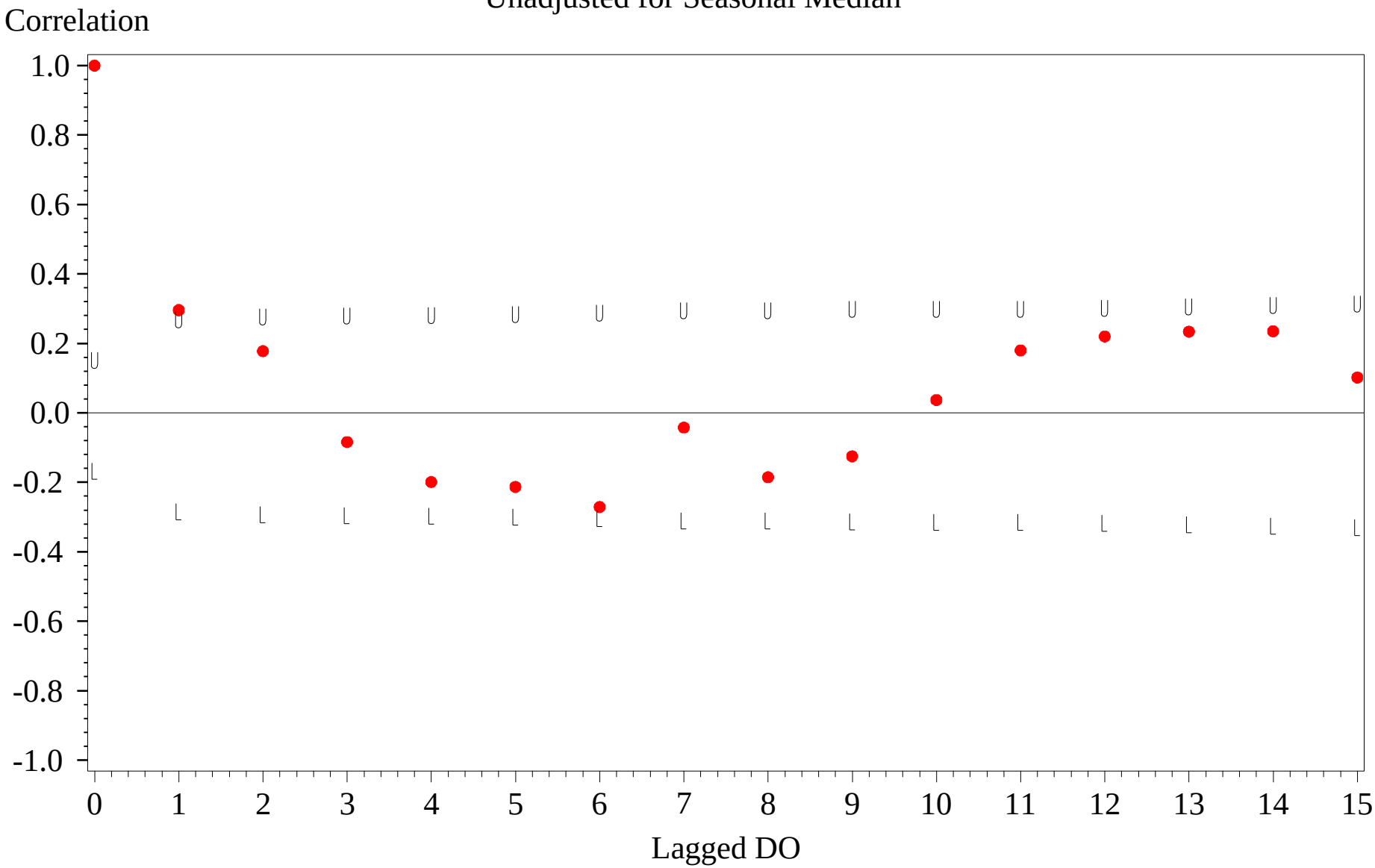
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56174SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.296	0.139	0.277	-0.277
2	0.178	0.143	0.285	-0.285
3	-0.084	0.144	0.288	-0.288
4	-0.199	0.144	0.289	-0.289
5	-0.213	0.146	0.292	-0.292
6	-0.271	0.148	0.296	-0.296
7	-0.042	0.151	0.303	-0.303
8	-0.185	0.151	0.303	-0.303
9	-0.125	0.153	0.306	-0.306
10	0.037	0.153	0.307	-0.307
11	0.180	0.153	0.307	-0.307
12	0.220	0.155	0.310	-0.310
13	0.234	0.157	0.314	-0.314
14	0.235	0.159	0.318	-0.318
15	0.102	0.161	0.322	-0.322

Lemon Bay Trends Appendix - Display 670
Correlogram for Surface Dissolved Oxygen at FDEP Station 56174SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 671

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56174SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.021	0.833	0.812	-.007

Lemon Bay Trends Appendix - Display 672

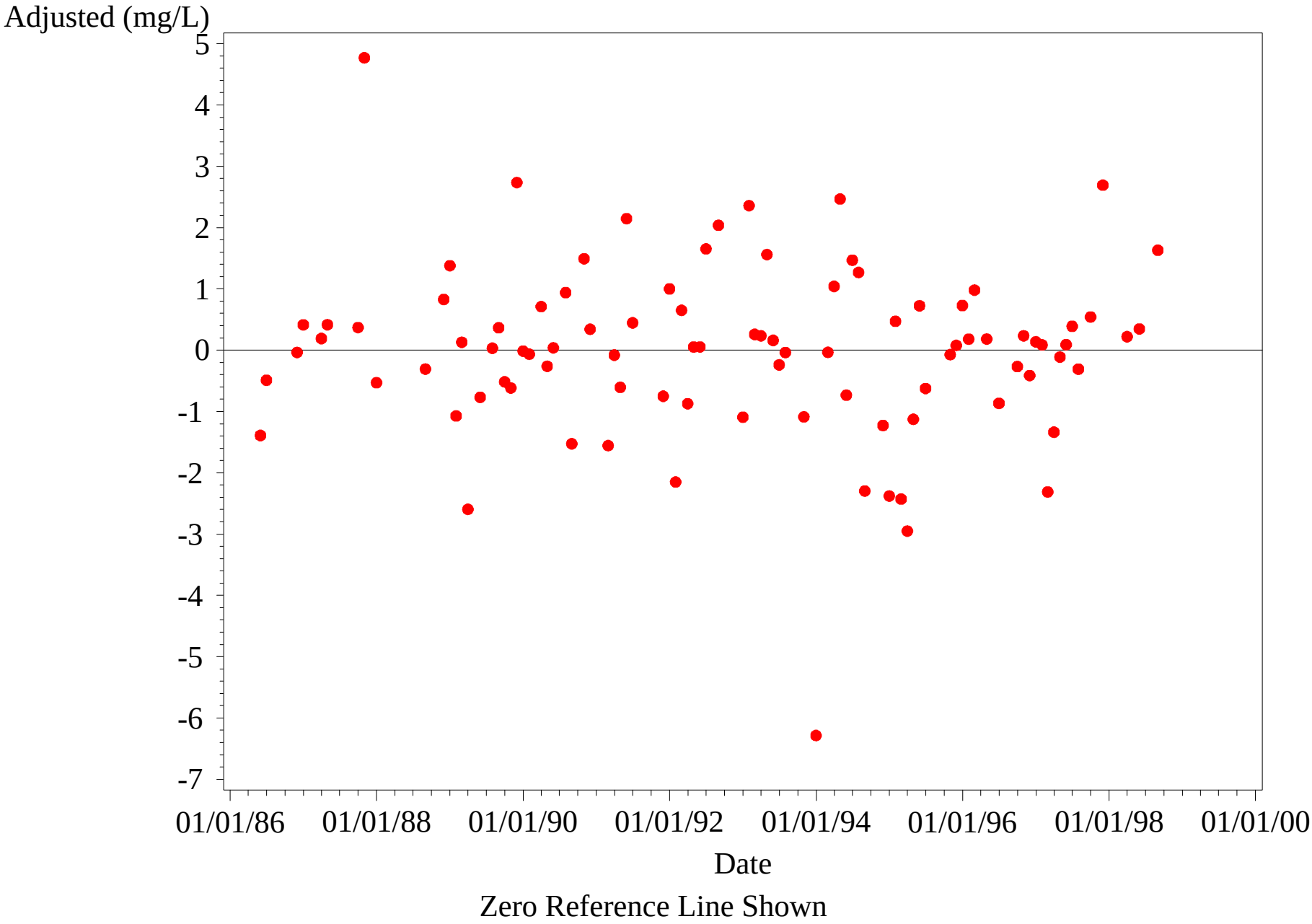
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56174SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.021212	0.83306	0.81238	-.00727273

Lemon Bay Trends Appendix - Display 673

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56174SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 674

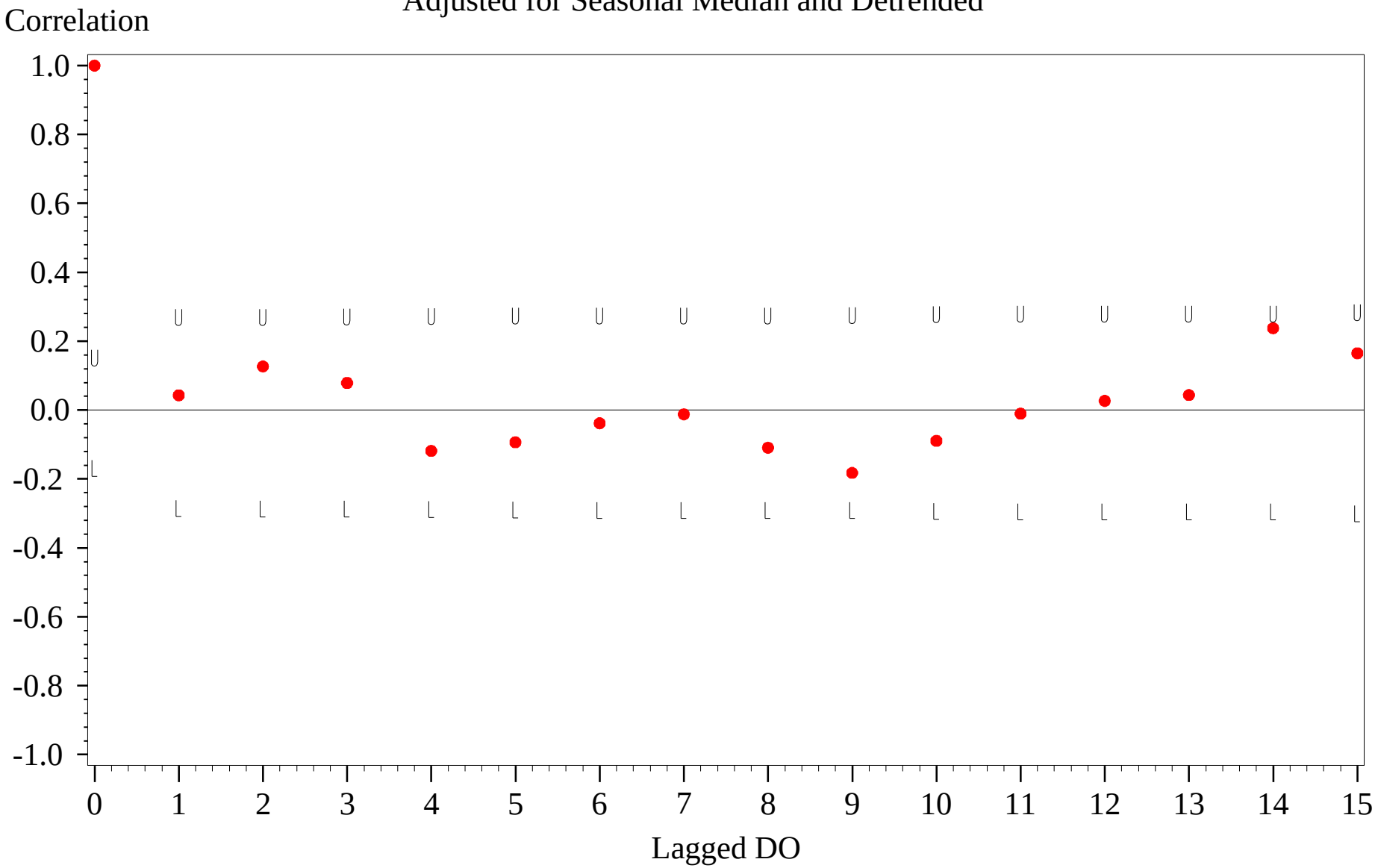
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56174SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.080	0.160	-0.160
1	0.043	0.139	0.277	-0.277
2	0.127	0.139	0.278	-0.278
3	0.079	0.139	0.279	-0.279
4	-0.118	0.140	0.280	-0.280
5	-0.093	0.140	0.281	-0.281
6	-0.038	0.141	0.282	-0.282
7	-0.012	0.141	0.282	-0.282
8	-0.109	0.141	0.282	-0.282
9	-0.182	0.141	0.283	-0.283
10	-0.089	0.143	0.286	-0.286
11	-0.010	0.143	0.287	-0.287
12	0.027	0.143	0.287	-0.287
13	0.044	0.143	0.287	-0.287
14	0.238	0.143	0.287	-0.287
15	0.165	0.146	0.292	-0.292

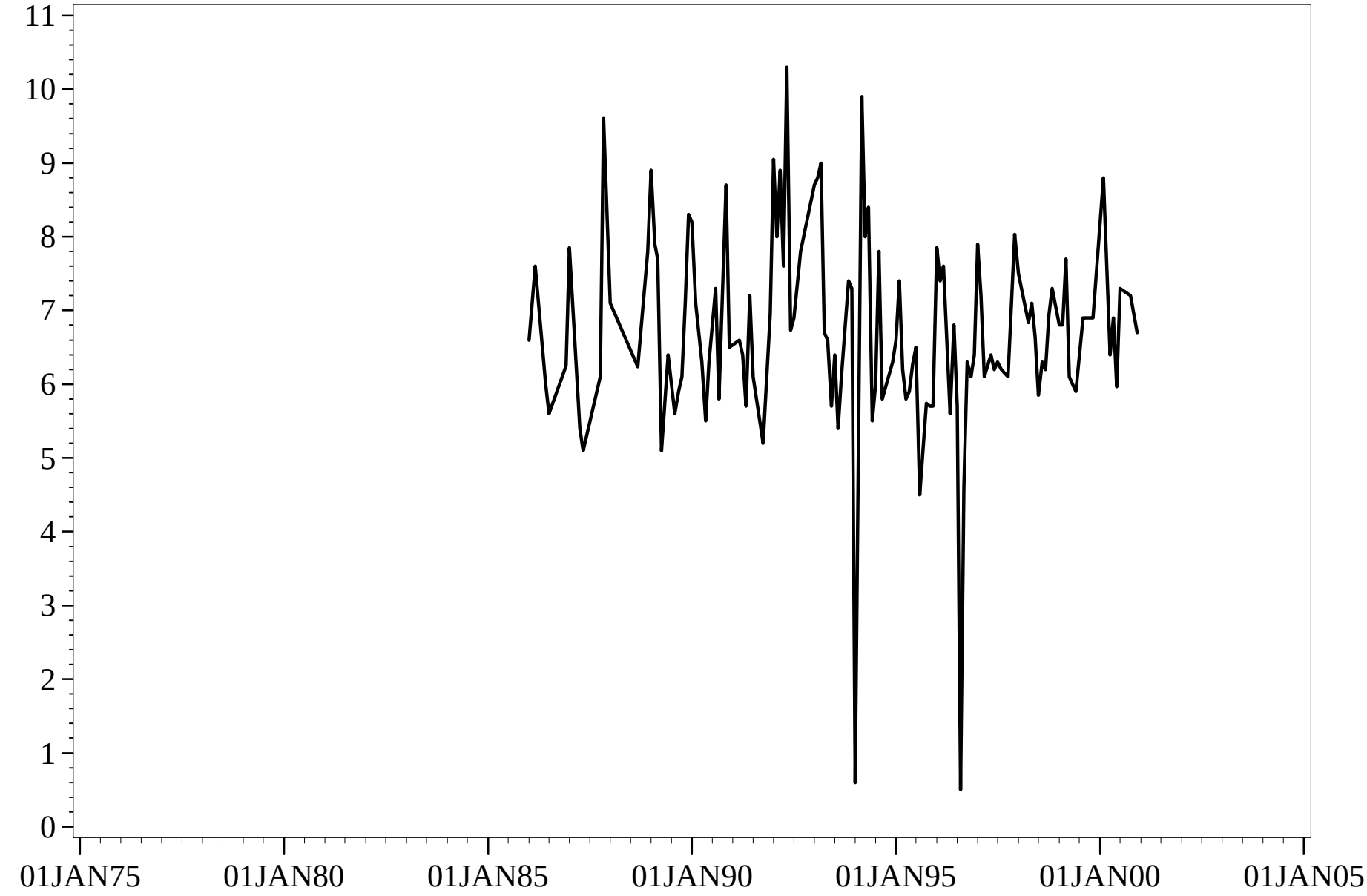
Lemon Bay Trends Appendix - Display 675
Correlogram for Surface Dissolved Oxygen at FDEP Station 56174SEAS

Adjusted for Seasonal Median and Detrended



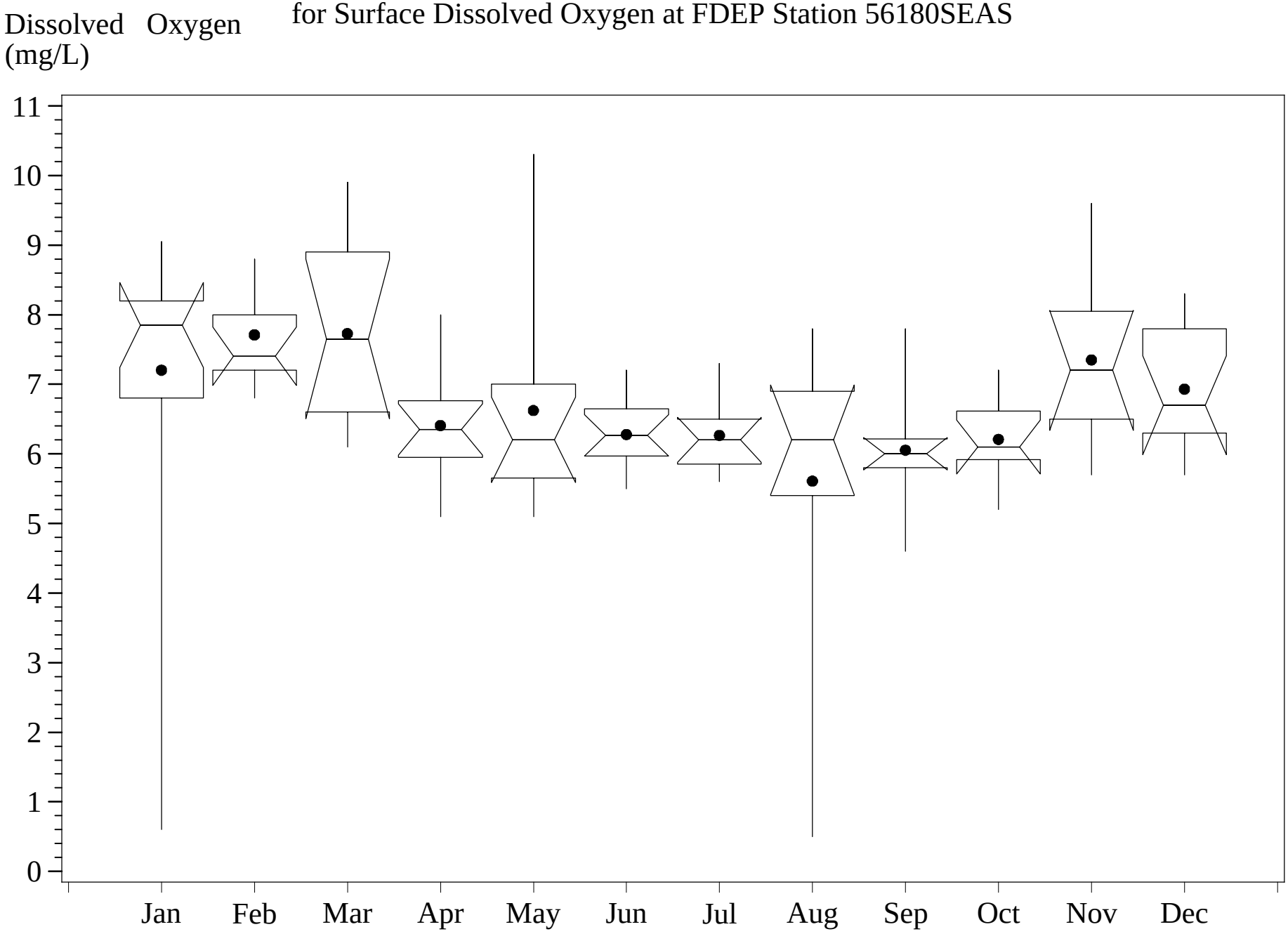
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 676
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56180SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 677

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56180SEAS



Lemon Bay Trends Appendix - Display 678

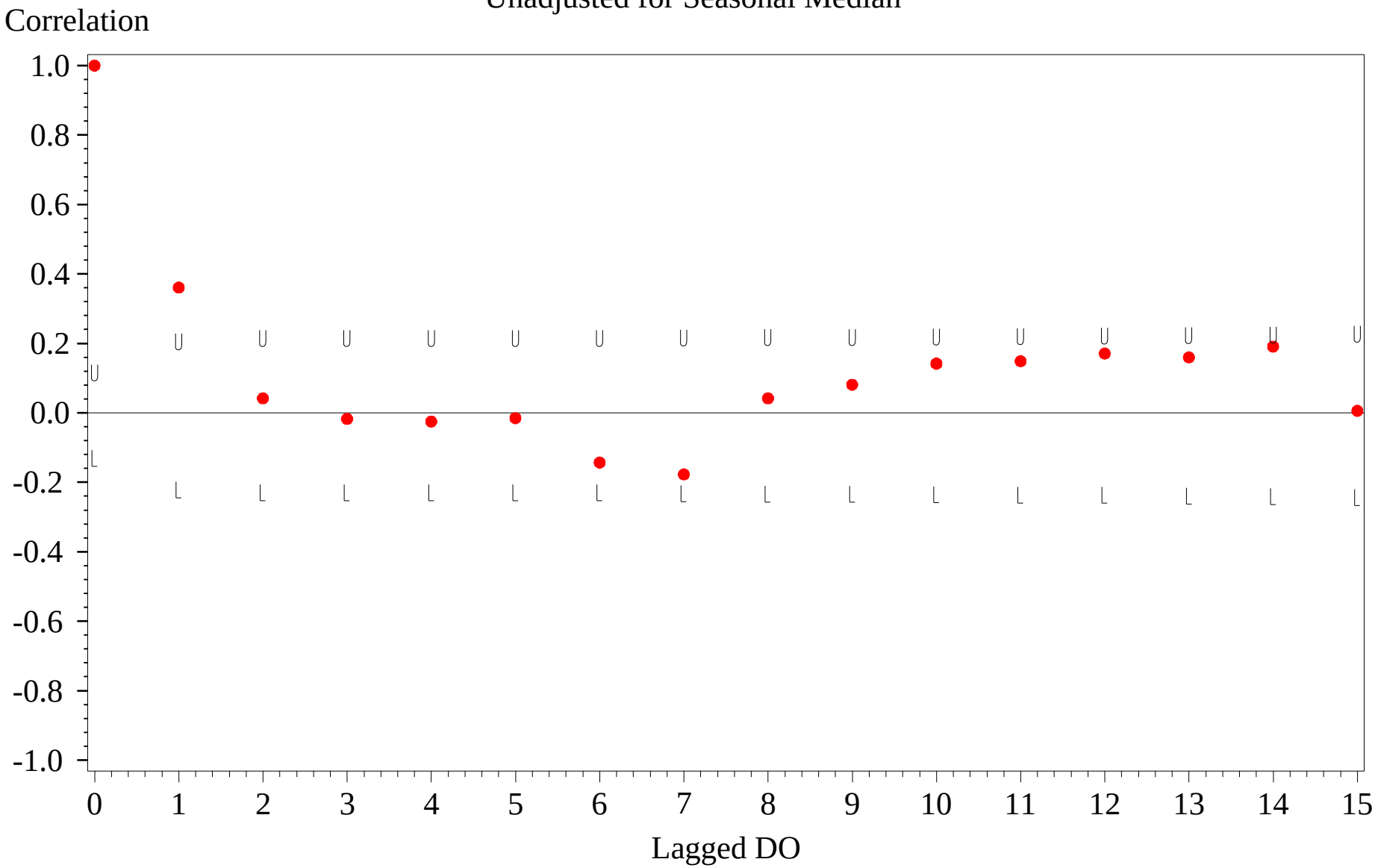
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56180SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.361	0.107	0.213	-0.213
2	0.042	0.111	0.222	-0.222
3	-0.017	0.111	0.222	-0.222
4	-0.025	0.111	0.222	-0.222
5	-0.015	0.111	0.222	-0.222
6	-0.143	0.111	0.222	-0.222
7	-0.177	0.112	0.224	-0.224
8	0.042	0.113	0.226	-0.226
9	0.081	0.113	0.226	-0.226
10	0.142	0.113	0.227	-0.227
11	0.149	0.114	0.228	-0.228
12	0.171	0.115	0.229	-0.229
13	0.160	0.116	0.231	-0.231
14	0.191	0.116	0.233	-0.233
15	0.006	0.118	0.235	-0.235

Lemon Bay Trends Appendix - Display 679
Correlogram for Surface Dissolved Oxygen at FDEP Station 56180SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 680

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56180SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.02	0.792	0.863	.005

Lemon Bay Trends Appendix - Display 681

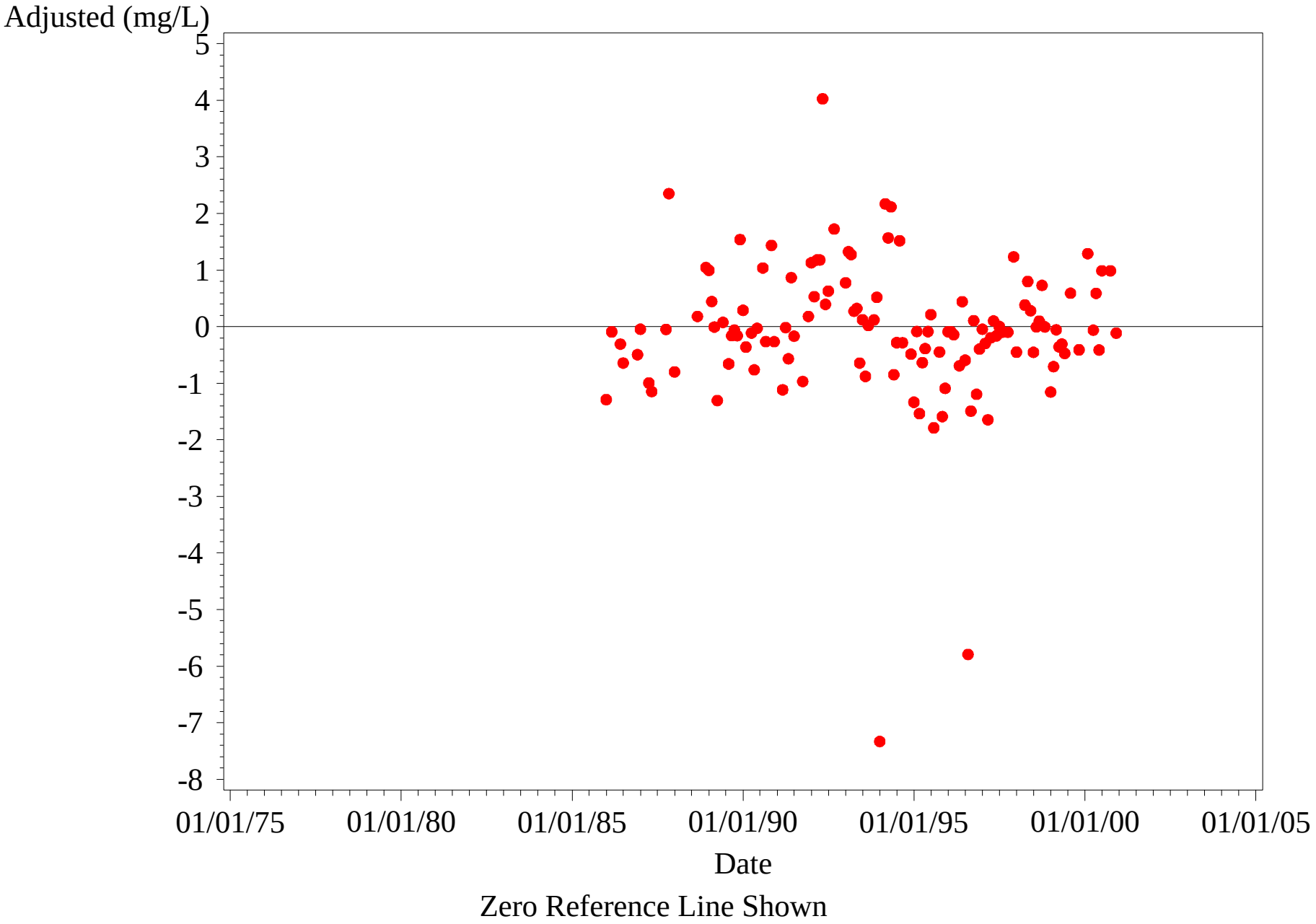
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56180SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.020374	0.79236	0.86277	.005

Lemon Bay Trends Appendix - Display 682

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56180SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 683

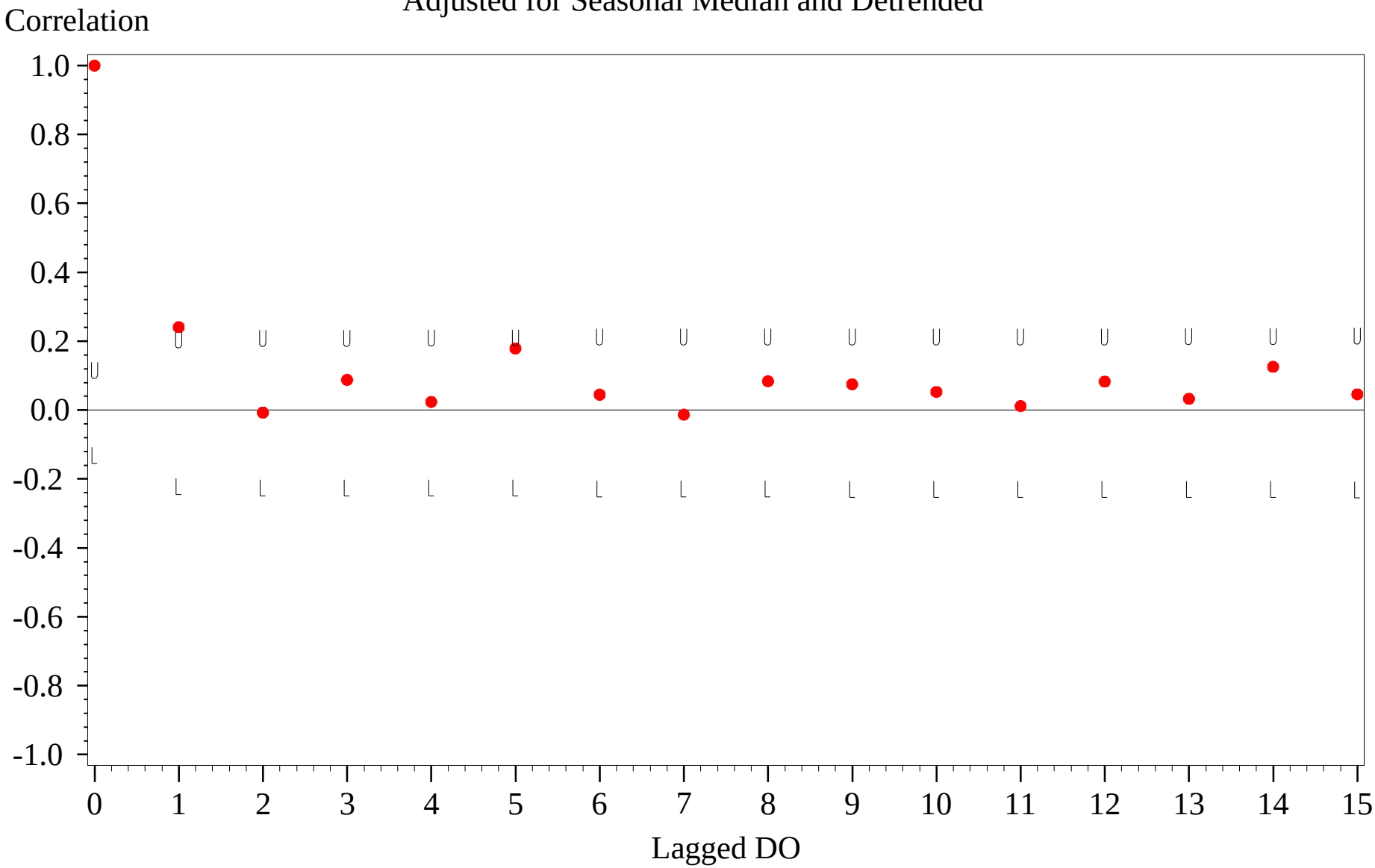
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56180SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.241	0.107	0.213	-0.213
2	-0.007	0.109	0.217	-0.217
3	0.088	0.109	0.217	-0.217
4	0.024	0.109	0.218	-0.218
5	0.179	0.109	0.218	-0.218
6	0.045	0.110	0.220	-0.220
7	-0.013	0.110	0.220	-0.220
8	0.084	0.110	0.220	-0.220
9	0.075	0.110	0.221	-0.221
10	0.053	0.111	0.221	-0.221
11	0.012	0.111	0.221	-0.221
12	0.083	0.111	0.221	-0.221
13	0.033	0.111	0.222	-0.222
14	0.126	0.111	0.222	-0.222
15	0.046	0.111	0.223	-0.223

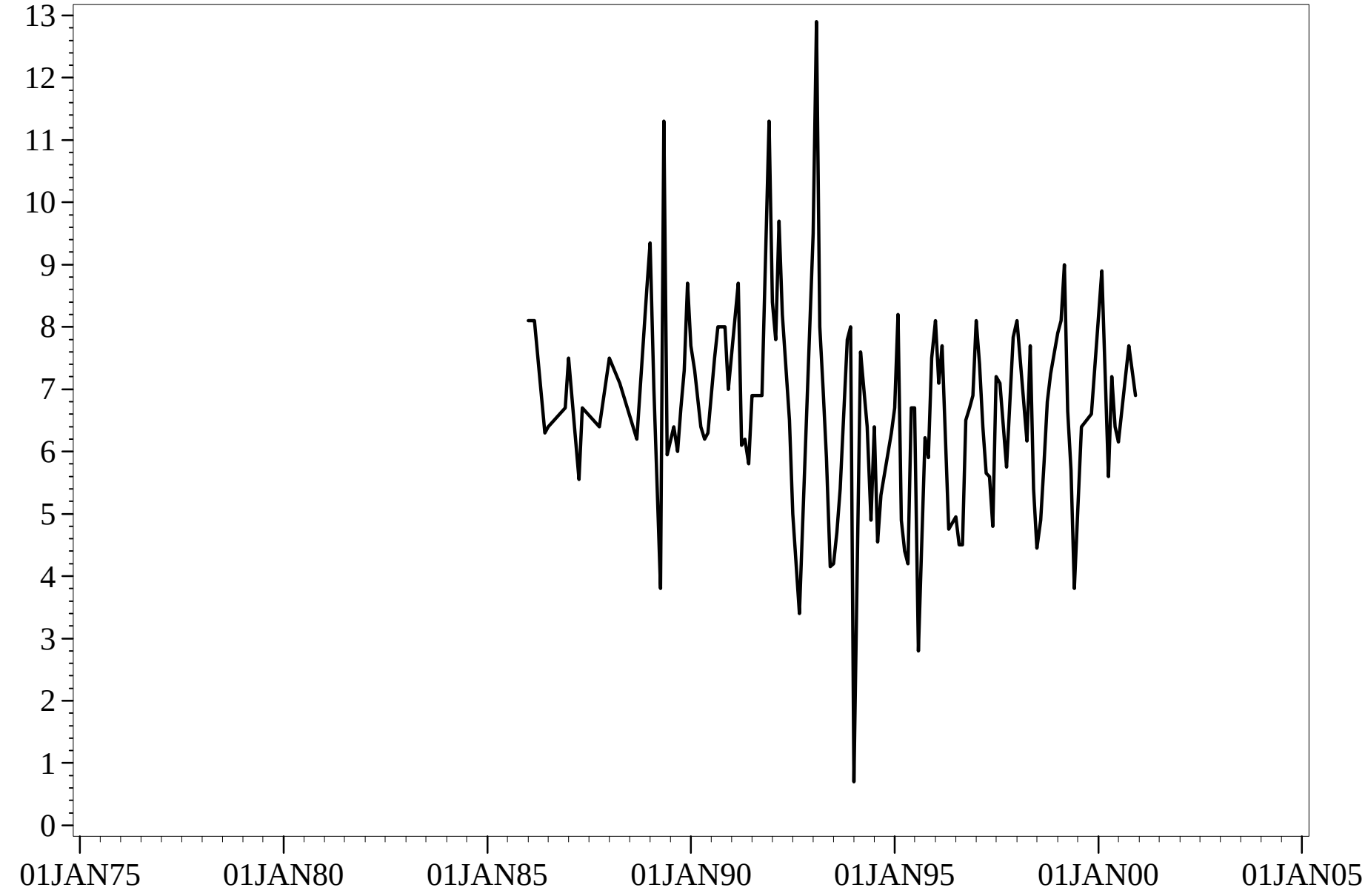
Lemon Bay Trends Appendix - Display 684
Correlogram for Surface Dissolved Oxygen at FDEP Station 56180SEAS

Adjusted for Seasonal Median and Detrended



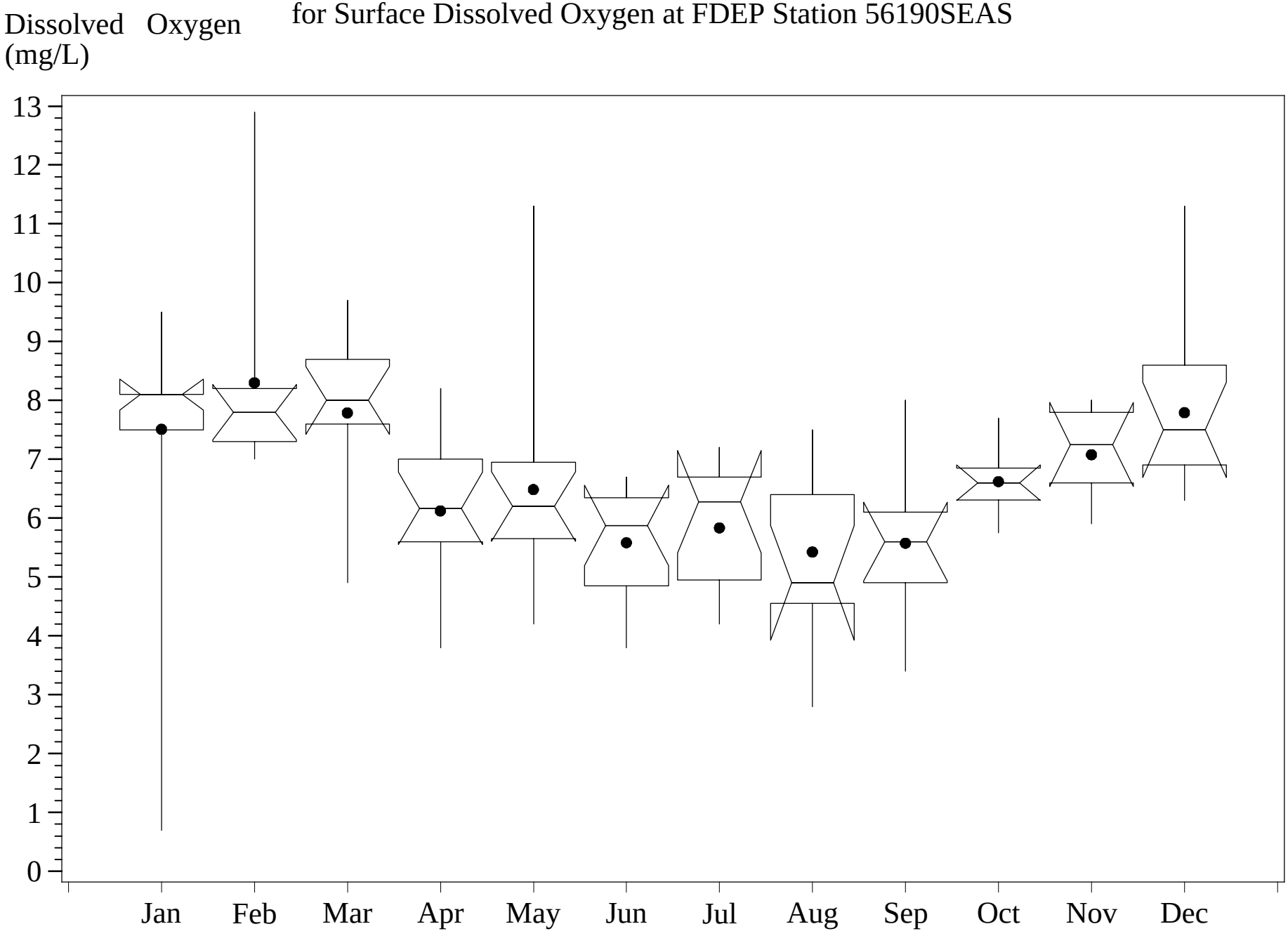
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 685
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56190SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 686

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56190SEAS



Lemon Bay Trends Appendix - Display 687

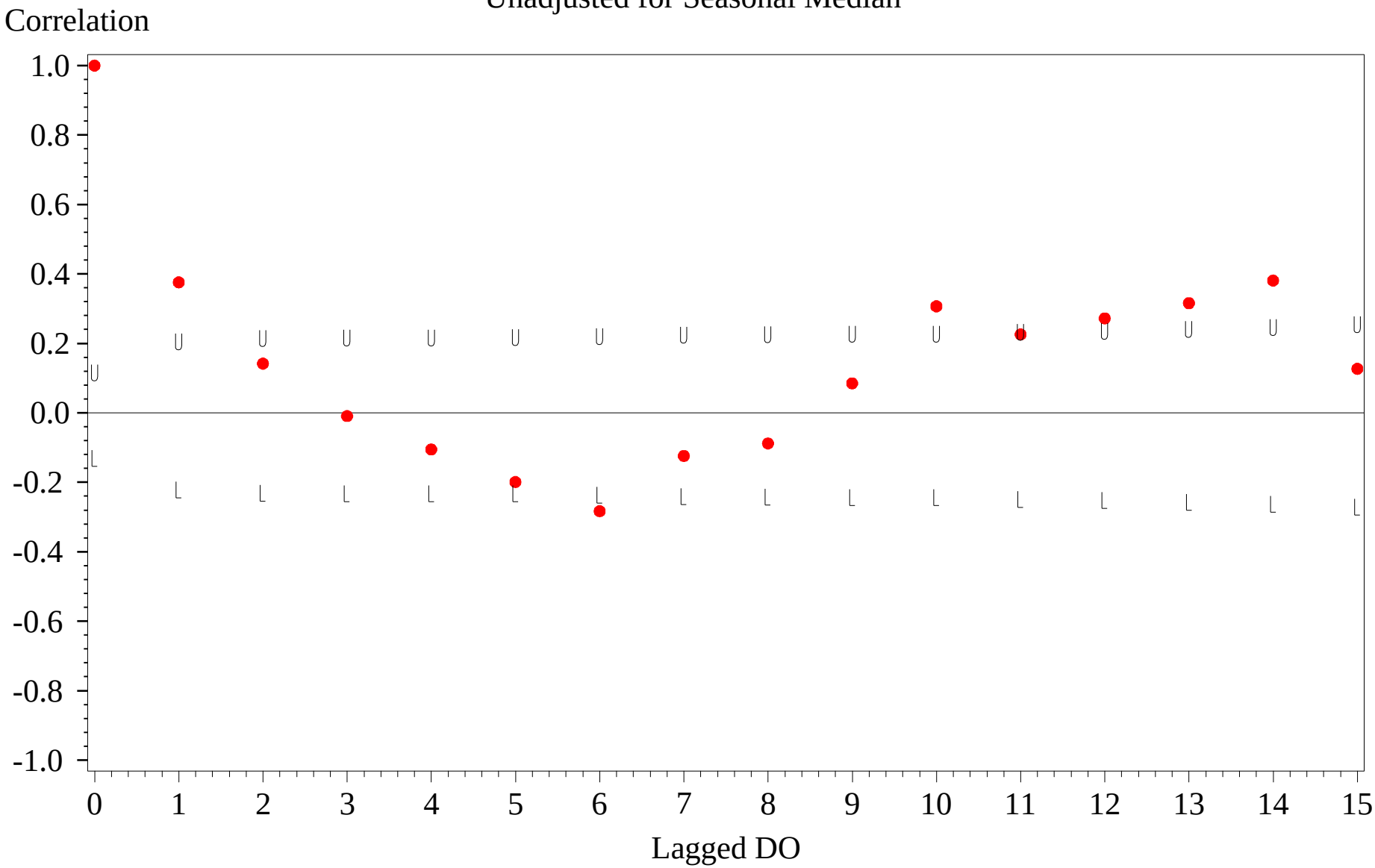
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56190SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.376	0.107	0.213	-0.213
2	0.142	0.112	0.223	-0.223
3	-0.009	0.112	0.224	-0.224
4	-0.105	0.112	0.224	-0.224
5	-0.199	0.113	0.225	-0.225
6	-0.283	0.114	0.228	-0.228
7	-0.124	0.117	0.233	-0.233
8	-0.088	0.117	0.234	-0.234
9	0.085	0.117	0.235	-0.235
10	0.307	0.118	0.235	-0.235
11	0.226	0.121	0.241	-0.241
12	0.272	0.122	0.244	-0.244
13	0.316	0.124	0.249	-0.249
14	0.381	0.127	0.255	-0.255
15	0.127	0.132	0.263	-0.263

Lemon Bay Trends Appendix - Display 688
Correlogram for Surface Dissolved Oxygen at FDEP Station 56190SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 689

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56190SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.091	0.214	0.296	-0.033

Lemon Bay Trends Appendix - Display 690

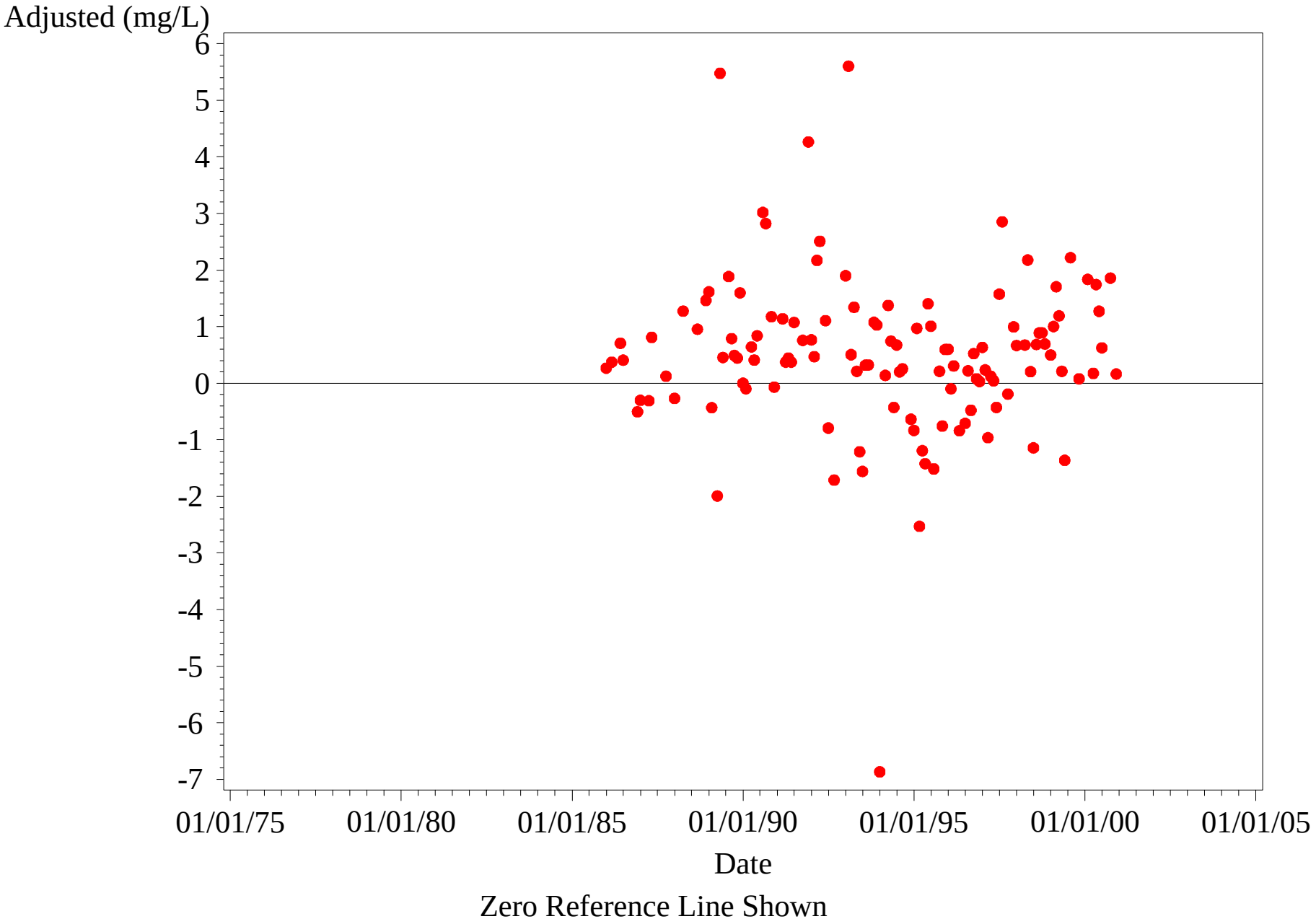
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56190SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.090750	0.21449	0.29584	-0.033333

Lemon Bay Trends Appendix - Display 691

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56190SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 692

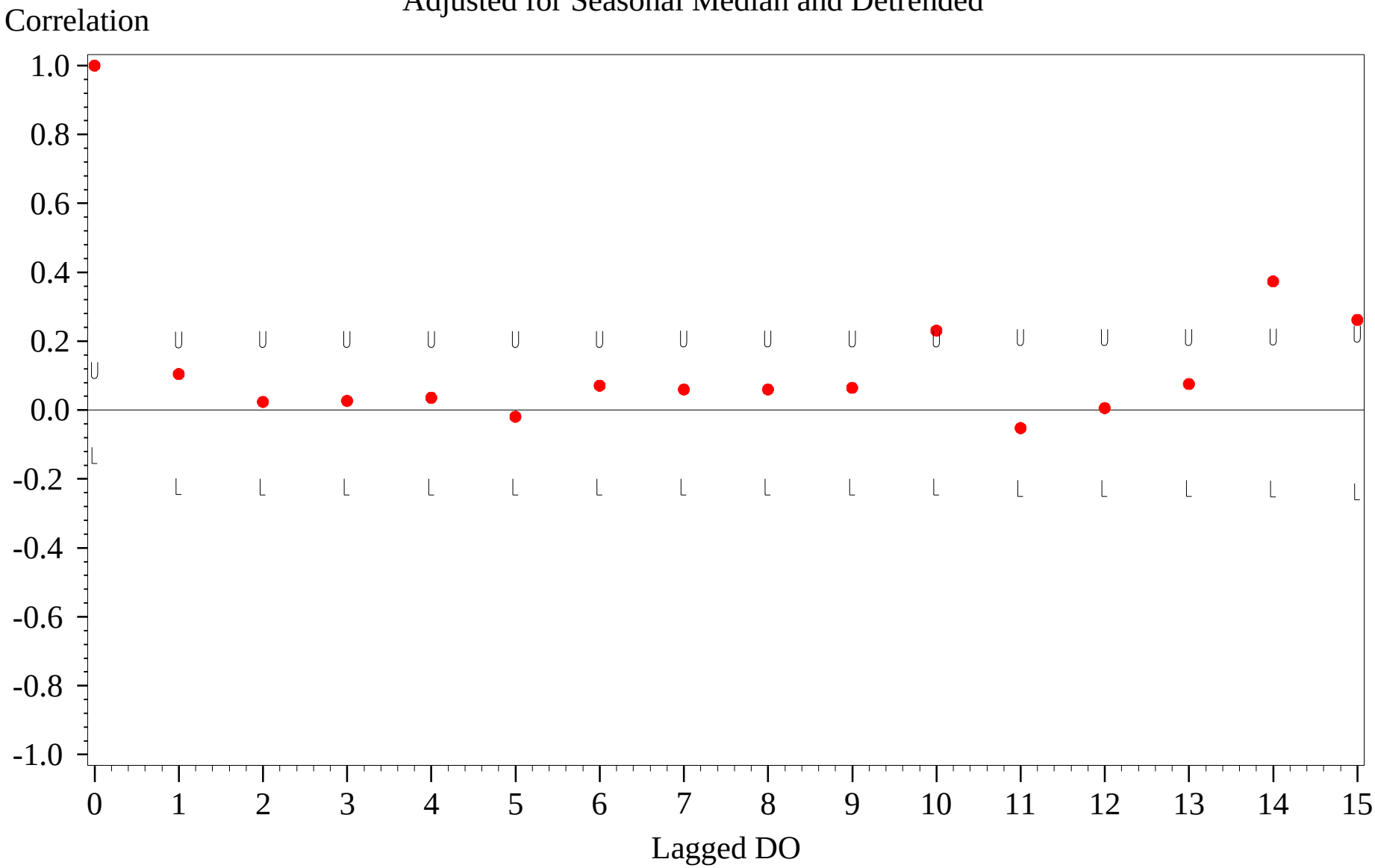
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56190SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.062	0.123	-0.123
1	0.105	0.107	0.213	-0.213
2	0.024	0.107	0.214	-0.214
3	0.027	0.107	0.214	-0.214
4	0.036	0.107	0.214	-0.214
5	-0.019	0.107	0.214	-0.214
6	0.071	0.107	0.214	-0.214
7	0.060	0.107	0.215	-0.215
8	0.060	0.107	0.215	-0.215
9	0.065	0.108	0.215	-0.215
10	0.231	0.108	0.215	-0.215
11	-0.052	0.110	0.219	-0.219
12	0.006	0.110	0.219	-0.219
13	0.076	0.110	0.219	-0.219
14	0.374	0.110	0.220	-0.220
15	0.262	0.115	0.229	-0.229

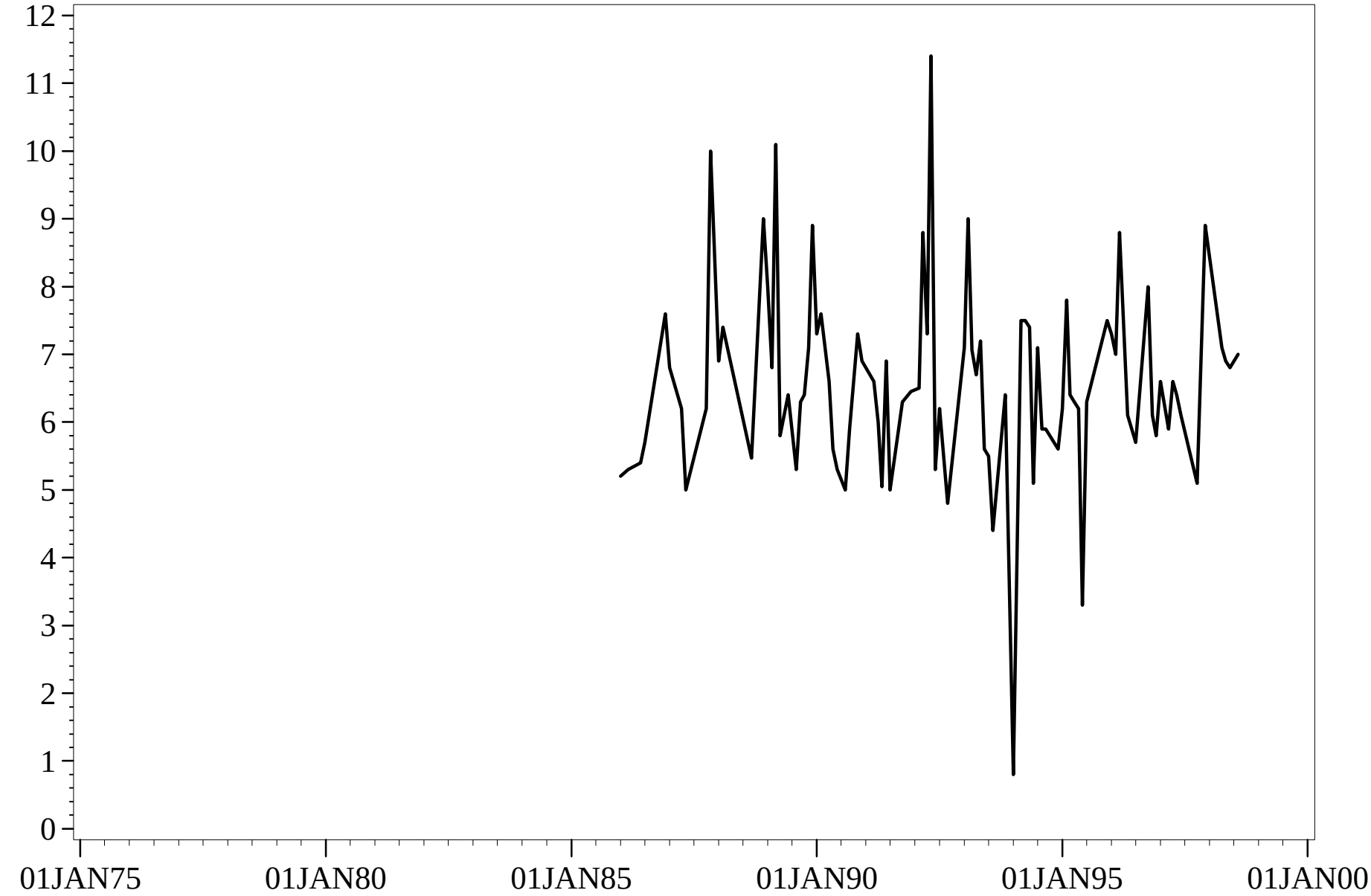
Lemon Bay Trends Appendix - Display 693
Correlogram for Surface Dissolved Oxygen at FDEP Station 56190SEAS

Adjusted for Seasonal Median and Detrended



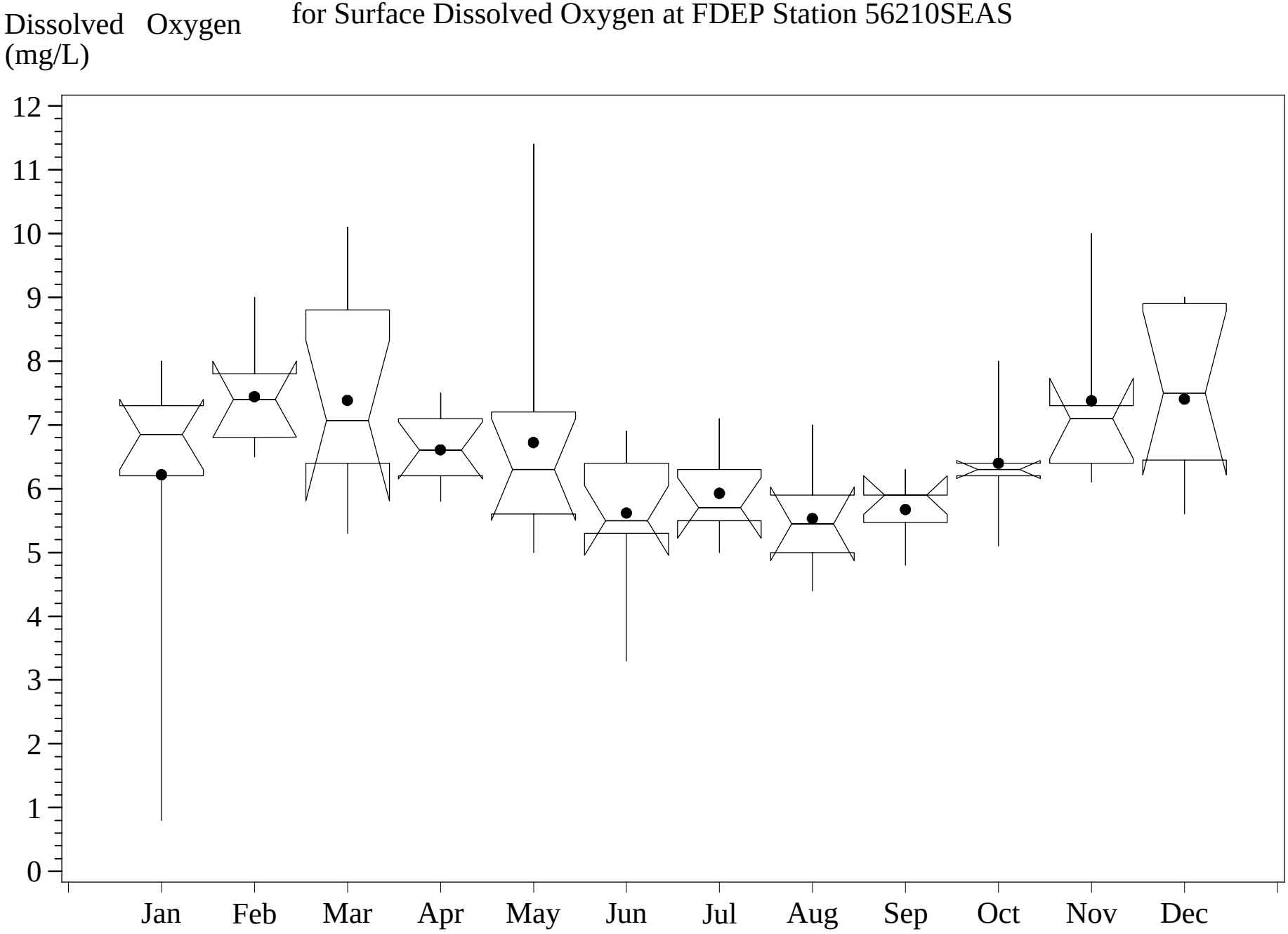
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 694
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56210SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 695

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56210SEAS



Lemon Bay Trends Appendix - Display 696

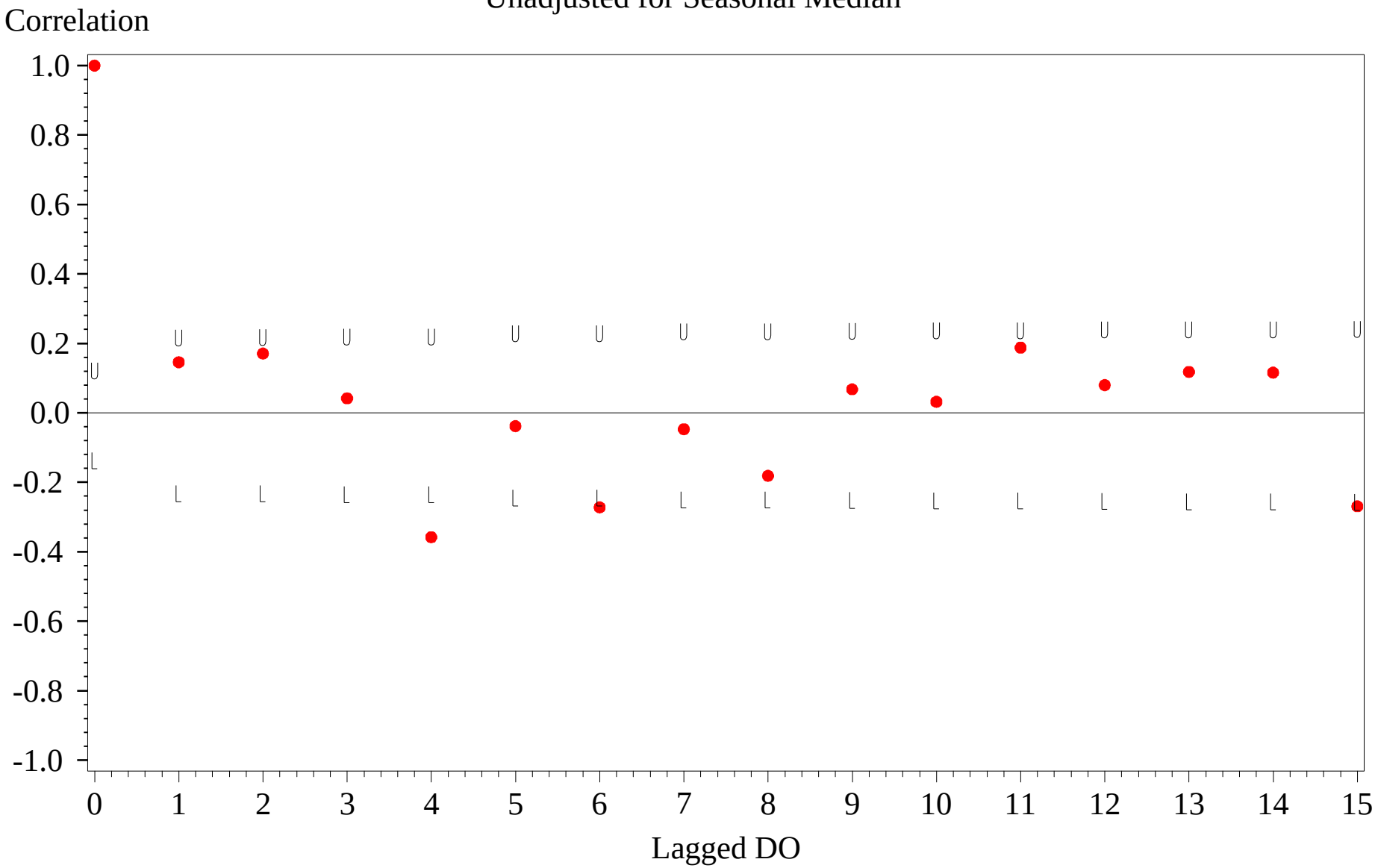
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56210SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.146	0.112	0.224	-0.224
2	0.171	0.113	0.225	-0.225
3	0.042	0.114	0.227	-0.227
4	-0.358	0.114	0.227	-0.227
5	-0.038	0.118	0.237	-0.237
6	-0.272	0.118	0.237	-0.237
7	-0.047	0.121	0.242	-0.242
8	-0.181	0.121	0.242	-0.242
9	0.068	0.122	0.244	-0.244
10	0.032	0.122	0.245	-0.245
11	0.188	0.122	0.245	-0.245
12	0.080	0.124	0.247	-0.247
13	0.118	0.124	0.248	-0.248
14	0.116	0.124	0.248	-0.248
15	-0.269	0.125	0.249	-0.249

Lemon Bay Trends Appendix - Display 697
Correlogram for Surface Dissolved Oxygen at FDEP Station 56210SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 698

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56210SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.071	0.429	0.394	0.04

Lemon Bay Trends Appendix - Display 699

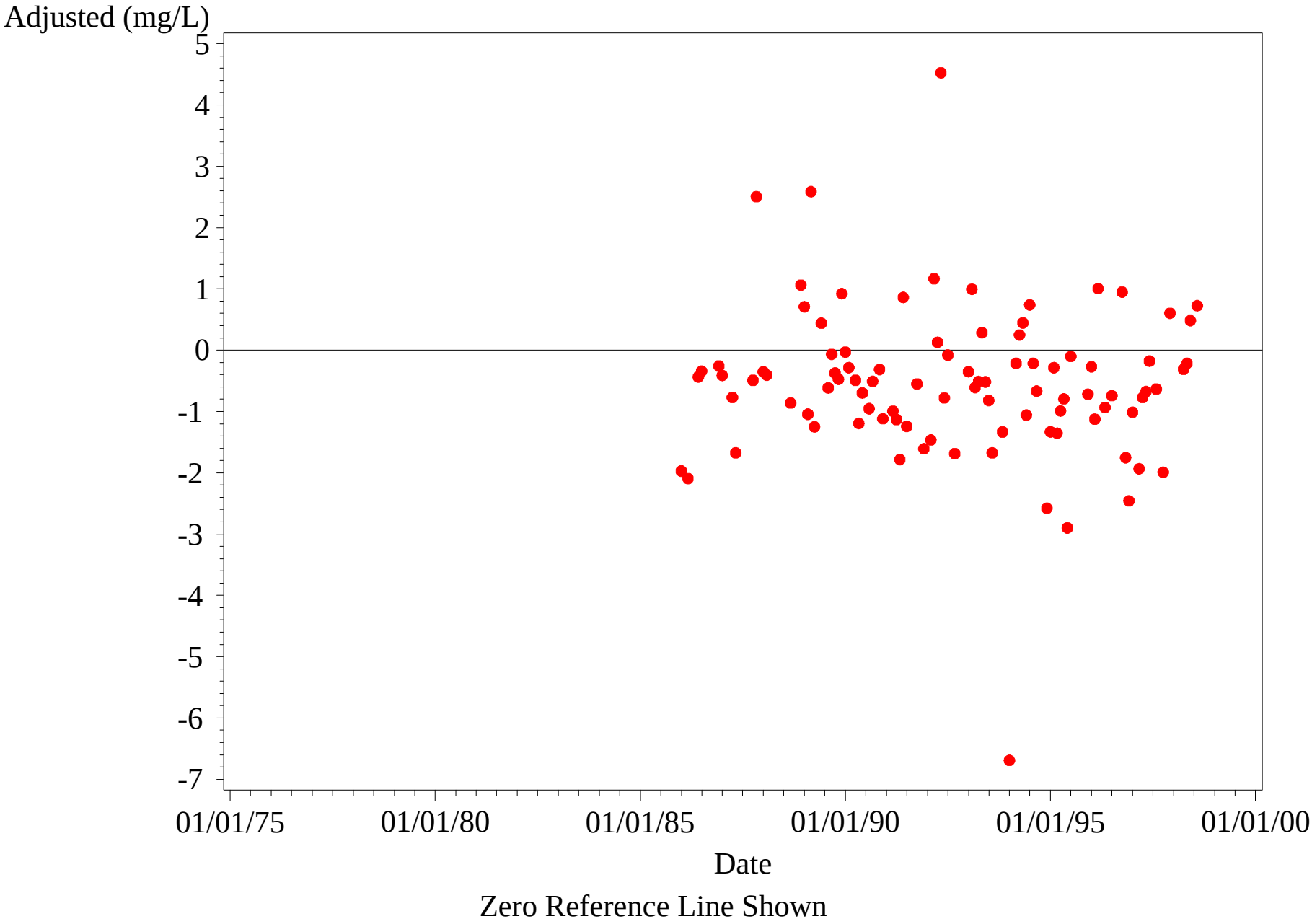
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56210SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.070797	0.42854	0.39376	0.04

Lemon Bay Trends Appendix - Display 700

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56210SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 701

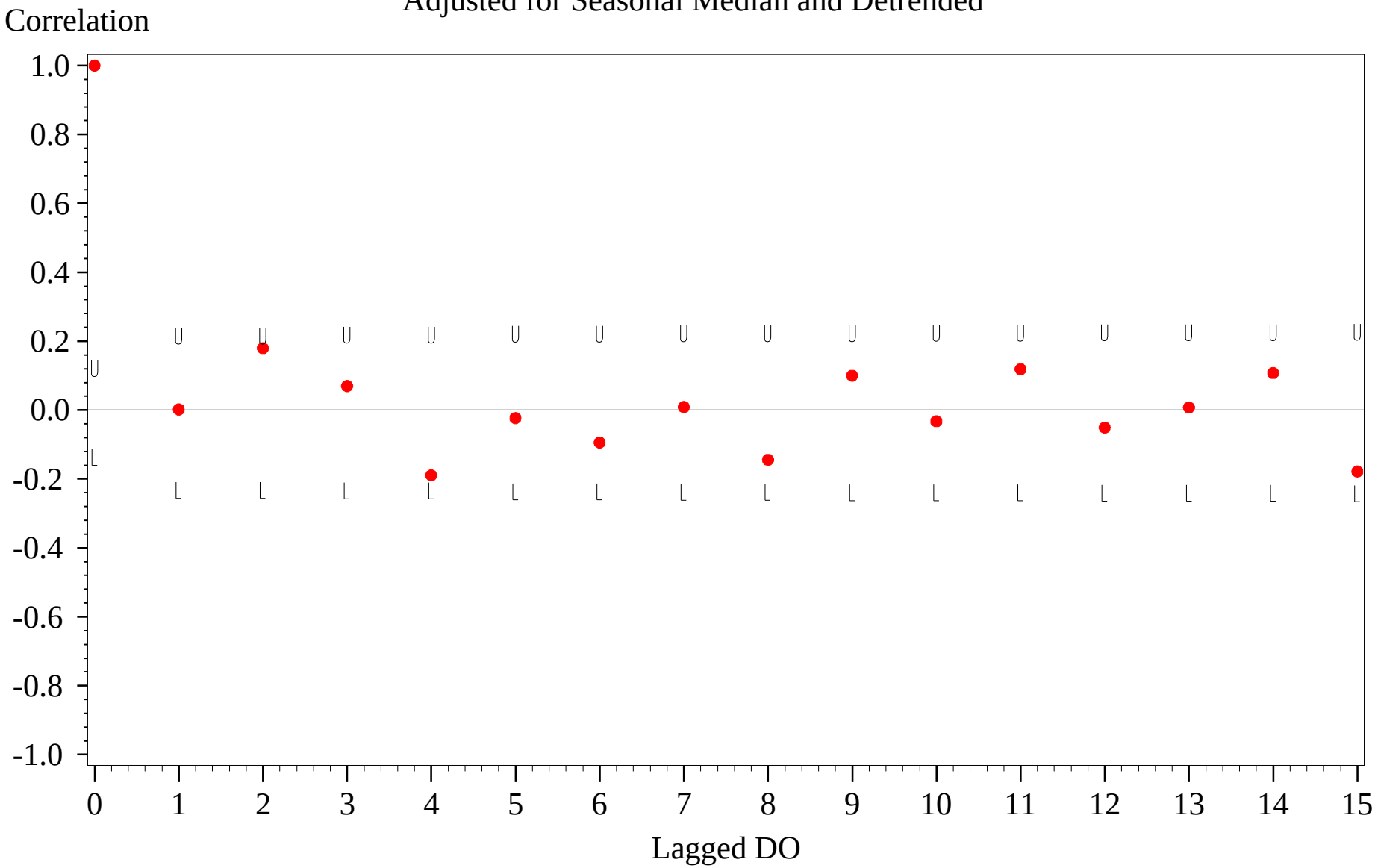
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56210SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.002	0.112	0.224	-0.224
2	0.180	0.112	0.224	-0.224
3	0.070	0.113	0.226	-0.226
4	-0.189	0.113	0.226	-0.226
5	-0.023	0.114	0.229	-0.229
6	-0.094	0.115	0.229	-0.229
7	0.009	0.115	0.230	-0.230
8	-0.144	0.115	0.230	-0.230
9	0.100	0.116	0.231	-0.231
10	-0.032	0.116	0.232	-0.232
11	0.119	0.116	0.232	-0.232
12	-0.051	0.116	0.233	-0.233
13	0.008	0.117	0.233	-0.233
14	0.108	0.117	0.233	-0.233
15	-0.178	0.117	0.234	-0.234

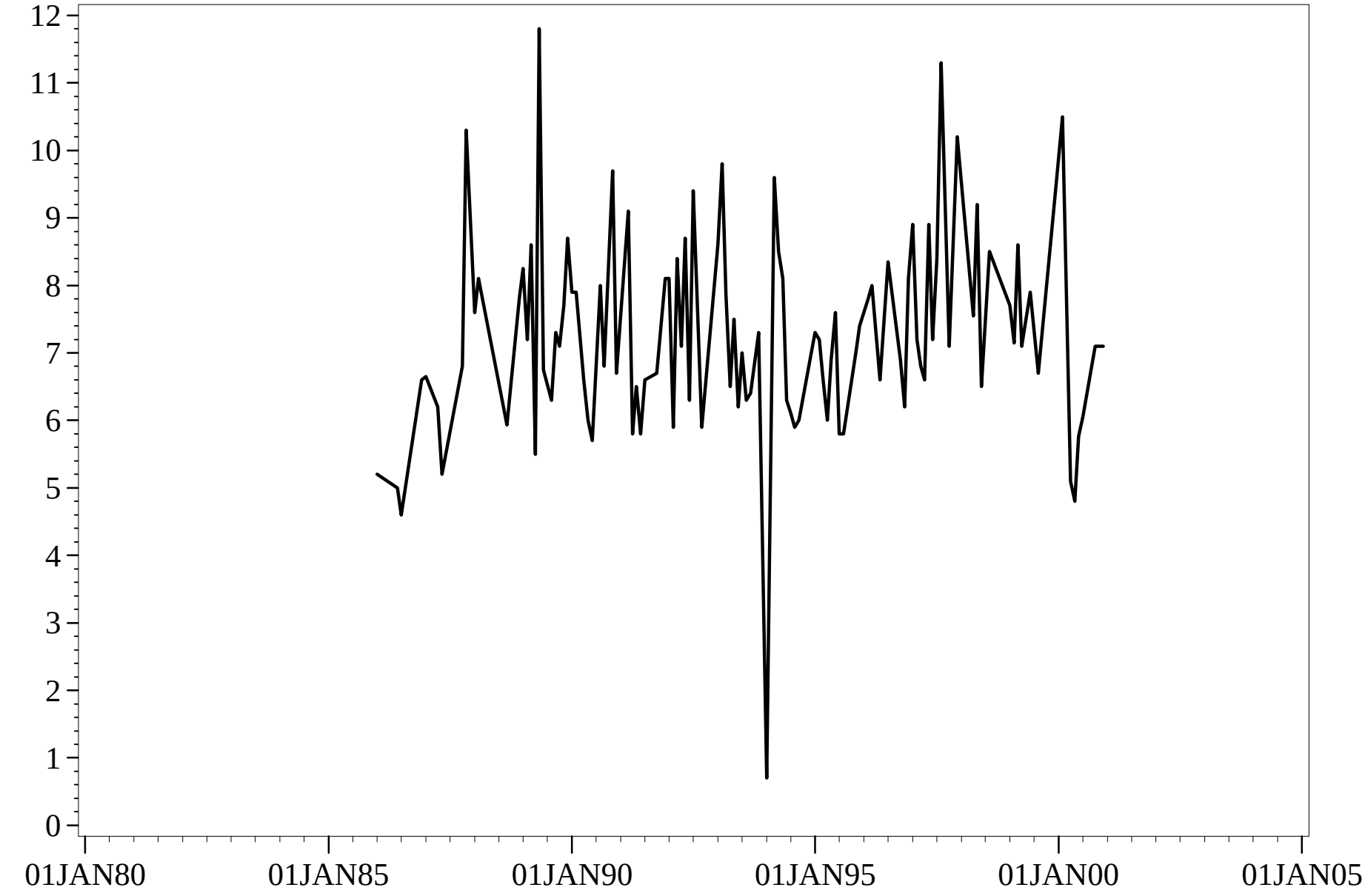
Lemon Bay Trends Appendix - Display 702
Correlogram for Surface Dissolved Oxygen at FDEP Station 56210SEAS

Adjusted for Seasonal Median and Detrended



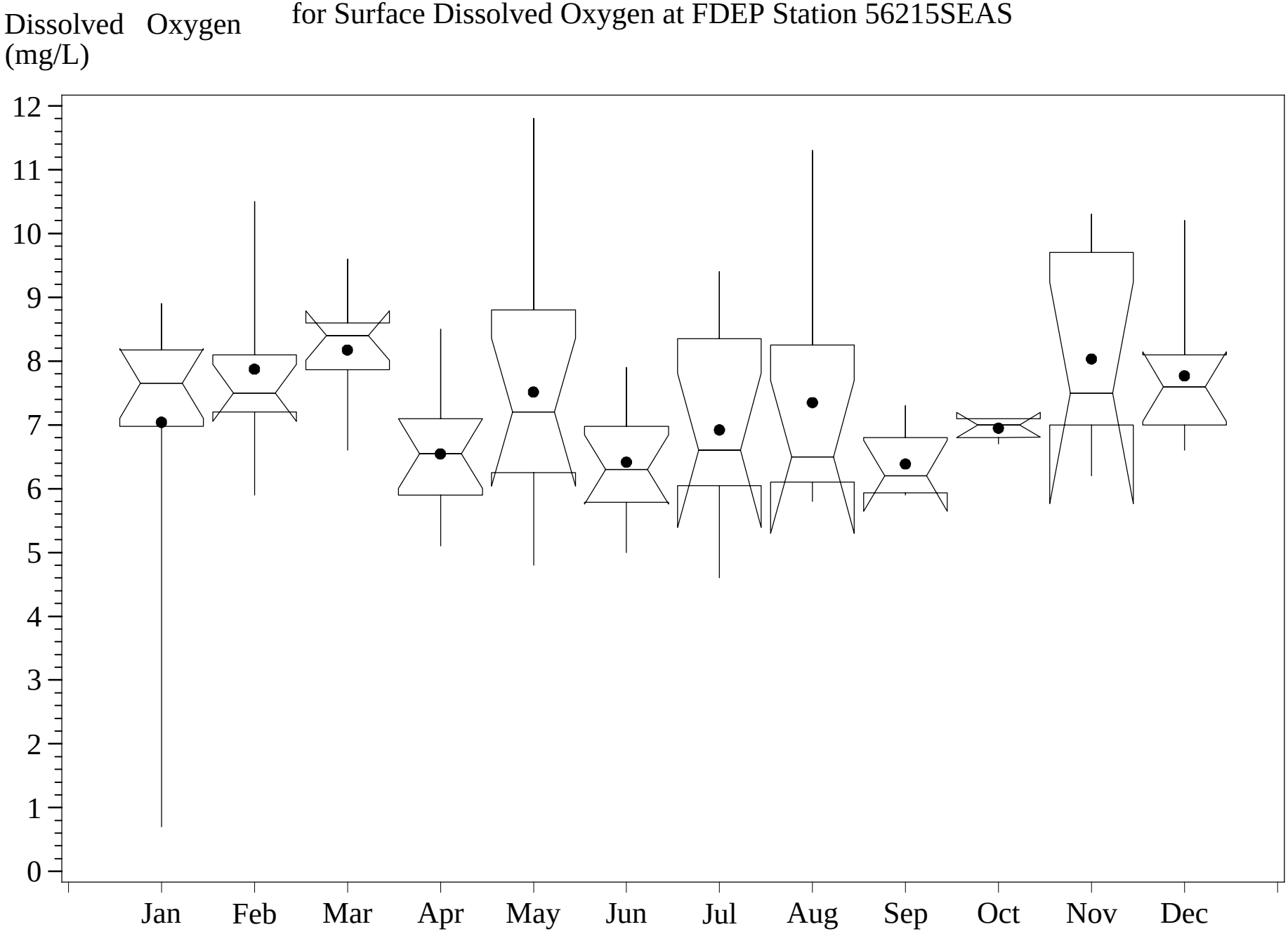
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 703
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56215SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 704

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56215SEAS



Lemon Bay Trends Appendix - Display 705

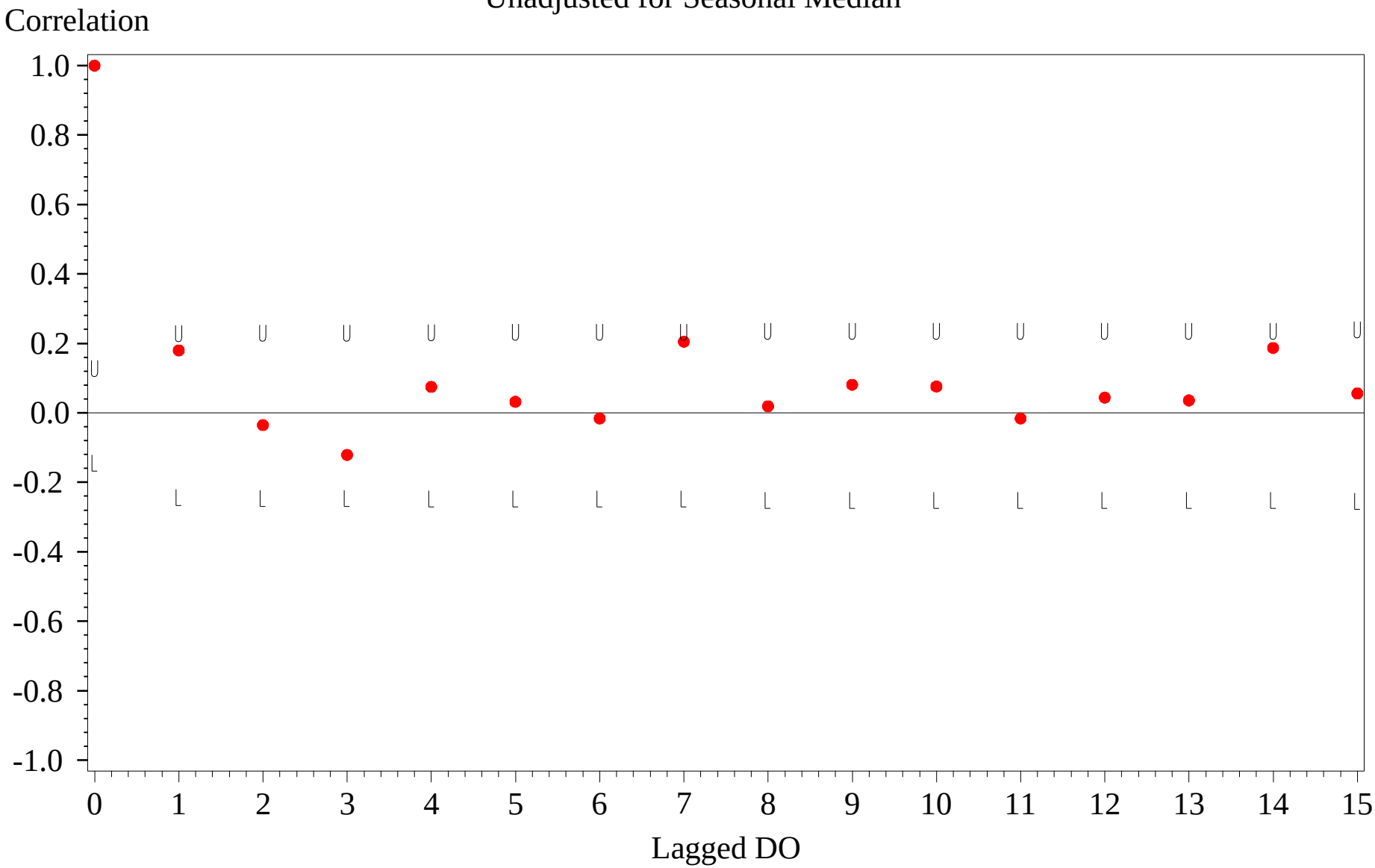
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56215SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.068	0.136	-0.136
1	0.180	0.118	0.236	-0.236
2	-0.035	0.119	0.238	-0.238
3	-0.121	0.119	0.238	-0.238
4	0.075	0.120	0.239	-0.239
5	0.032	0.120	0.240	-0.240
6	-0.016	0.120	0.240	-0.240
7	0.205	0.120	0.240	-0.240
8	0.019	0.122	0.243	-0.243
9	0.081	0.122	0.243	-0.243
10	0.076	0.122	0.244	-0.244
11	-0.016	0.122	0.244	-0.244
12	0.044	0.122	0.244	-0.244
13	0.036	0.122	0.244	-0.244
14	0.187	0.122	0.244	-0.244
15	0.056	0.124	0.247	-0.247

Lemon Bay Trends Appendix - Display 706
Correlogram for Surface Dissolved Oxygen at FDEP Station 56215SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 707

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56215SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.128	0.095	0.215	0.05

Lemon Bay Trends Appendix - Display 708

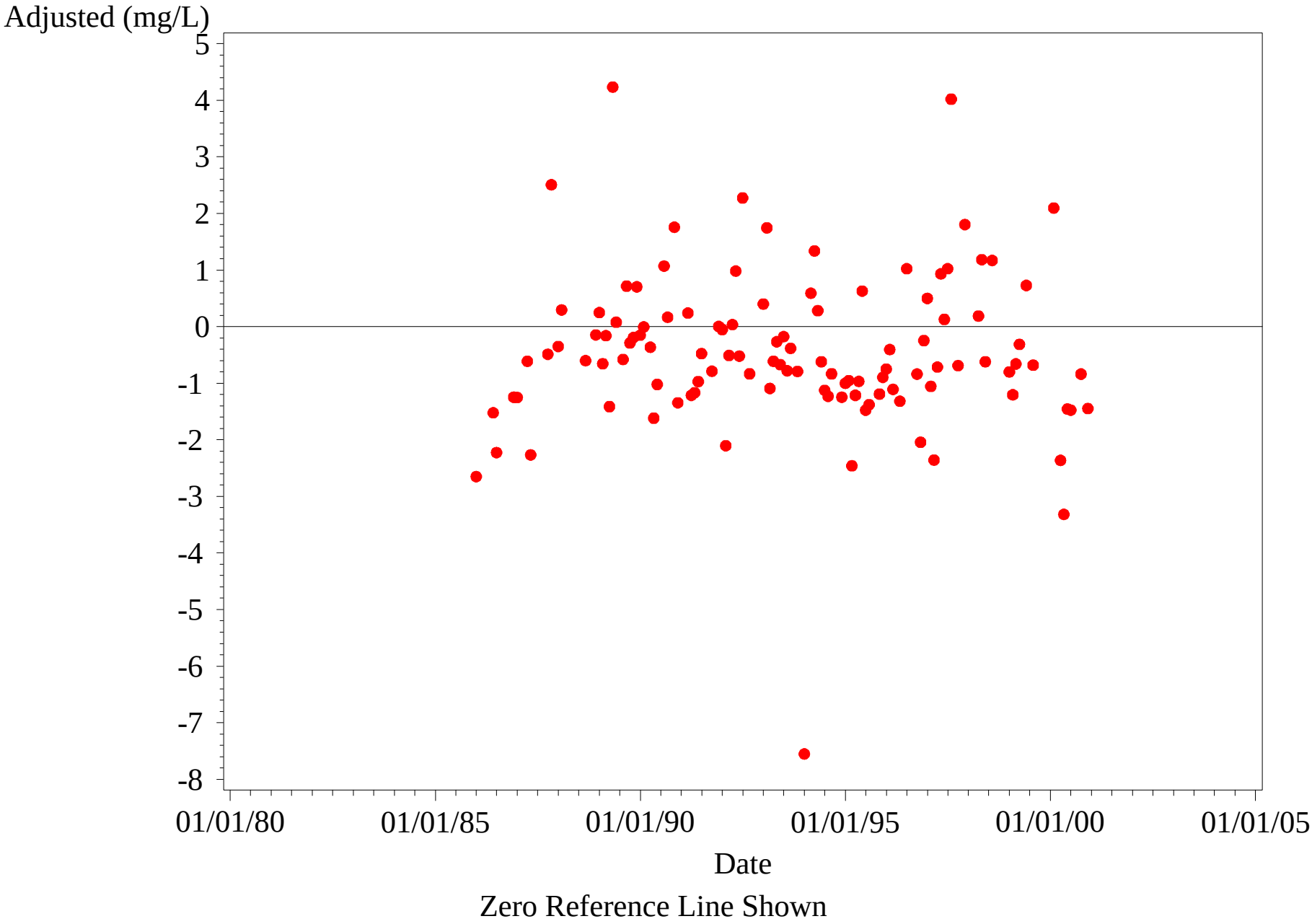
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56215SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12826	0.094632	0.21533	0.05

Lemon Bay Trends Appendix - Display 709

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56215SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 710

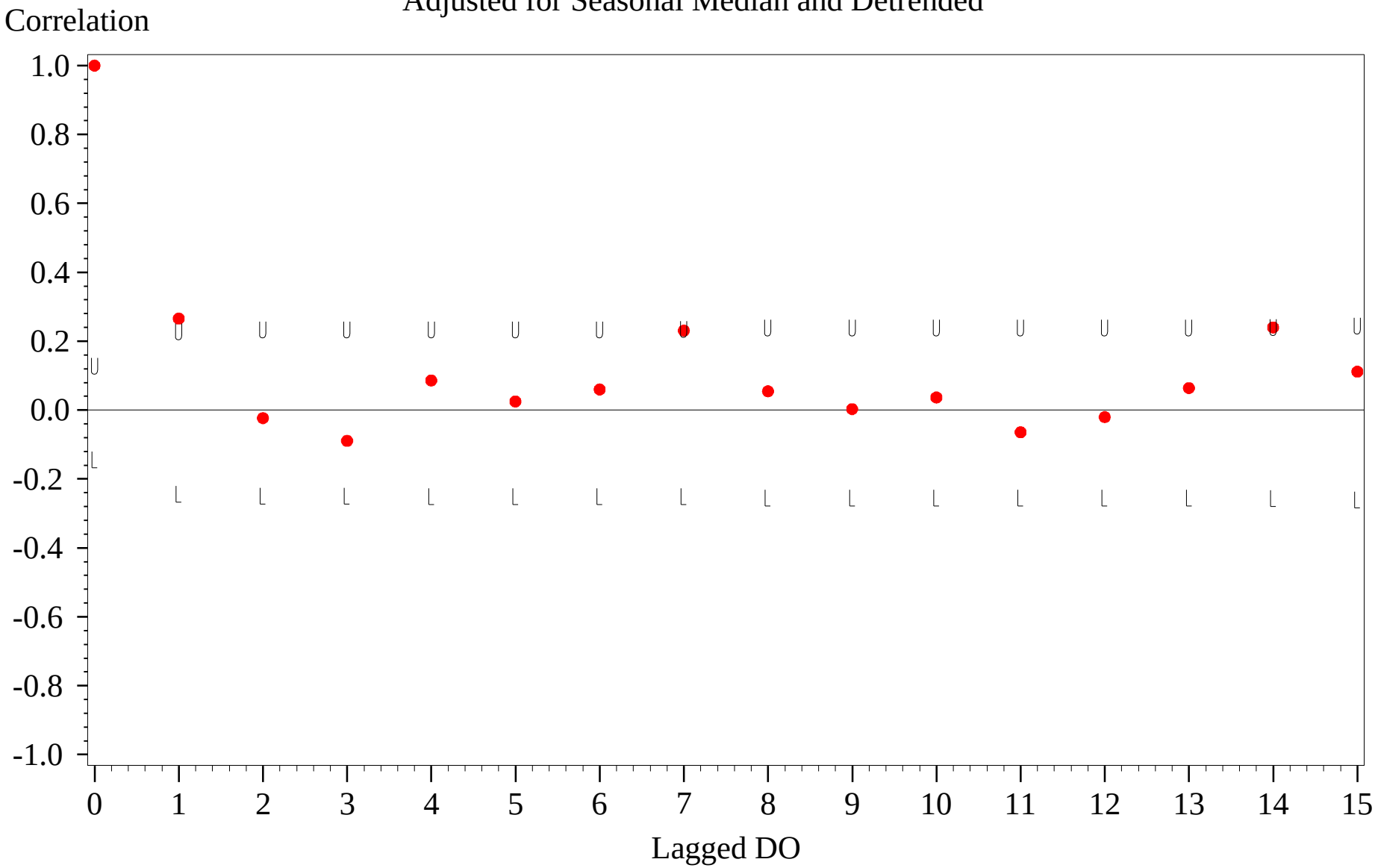
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56215SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.068	0.136	-0.136
1	0.266	0.118	0.236	-0.236
2	-0.023	0.121	0.241	-0.241
3	-0.089	0.121	0.241	-0.241
4	0.086	0.121	0.242	-0.242
5	0.025	0.121	0.242	-0.242
6	0.060	0.121	0.242	-0.242
7	0.231	0.121	0.243	-0.243
8	0.055	0.123	0.247	-0.247
9	0.003	0.123	0.247	-0.247
10	0.037	0.124	0.247	-0.247
11	-0.064	0.124	0.247	-0.247
12	-0.020	0.124	0.247	-0.247
13	0.064	0.124	0.247	-0.247
14	0.240	0.124	0.248	-0.248
15	0.112	0.126	0.252	-0.252

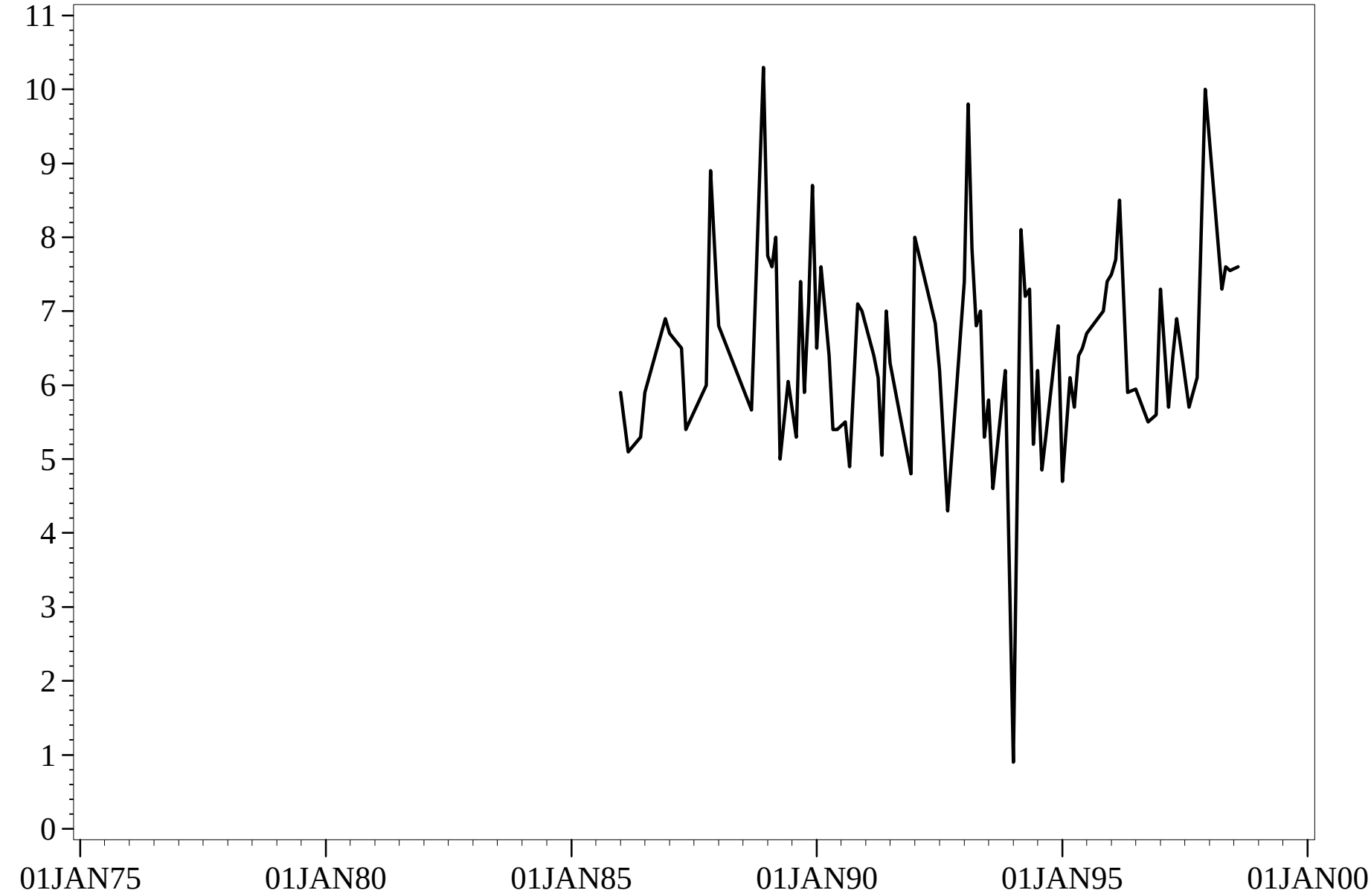
Lemon Bay Trends Appendix - Display 711
Correlogram for Surface Dissolved Oxygen at FDEP Station 56215SEAS

Adjusted for Seasonal Median and Detrended



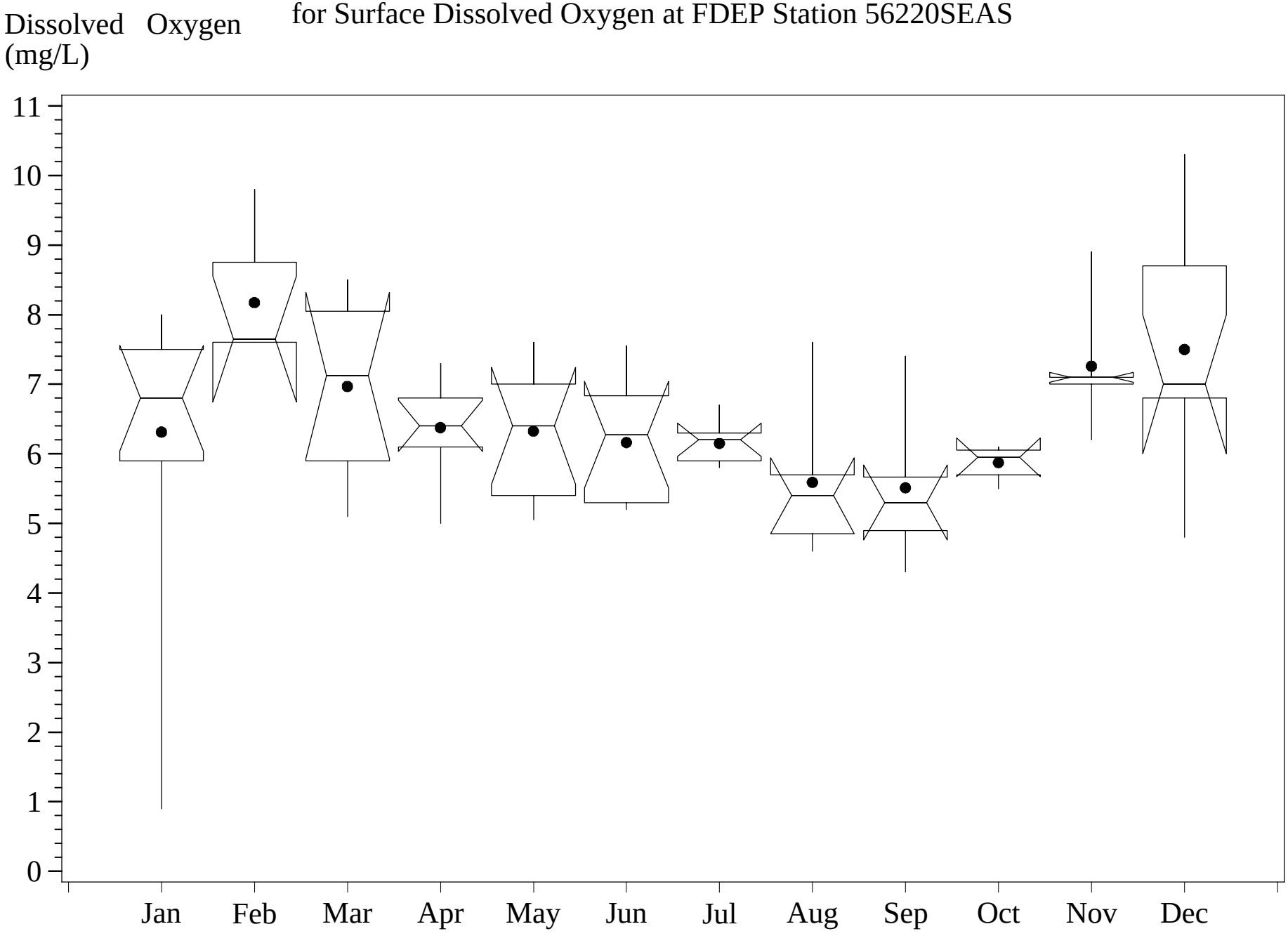
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 712
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56220SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 713

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56220SEAS



Lemon Bay Trends Appendix - Display 714

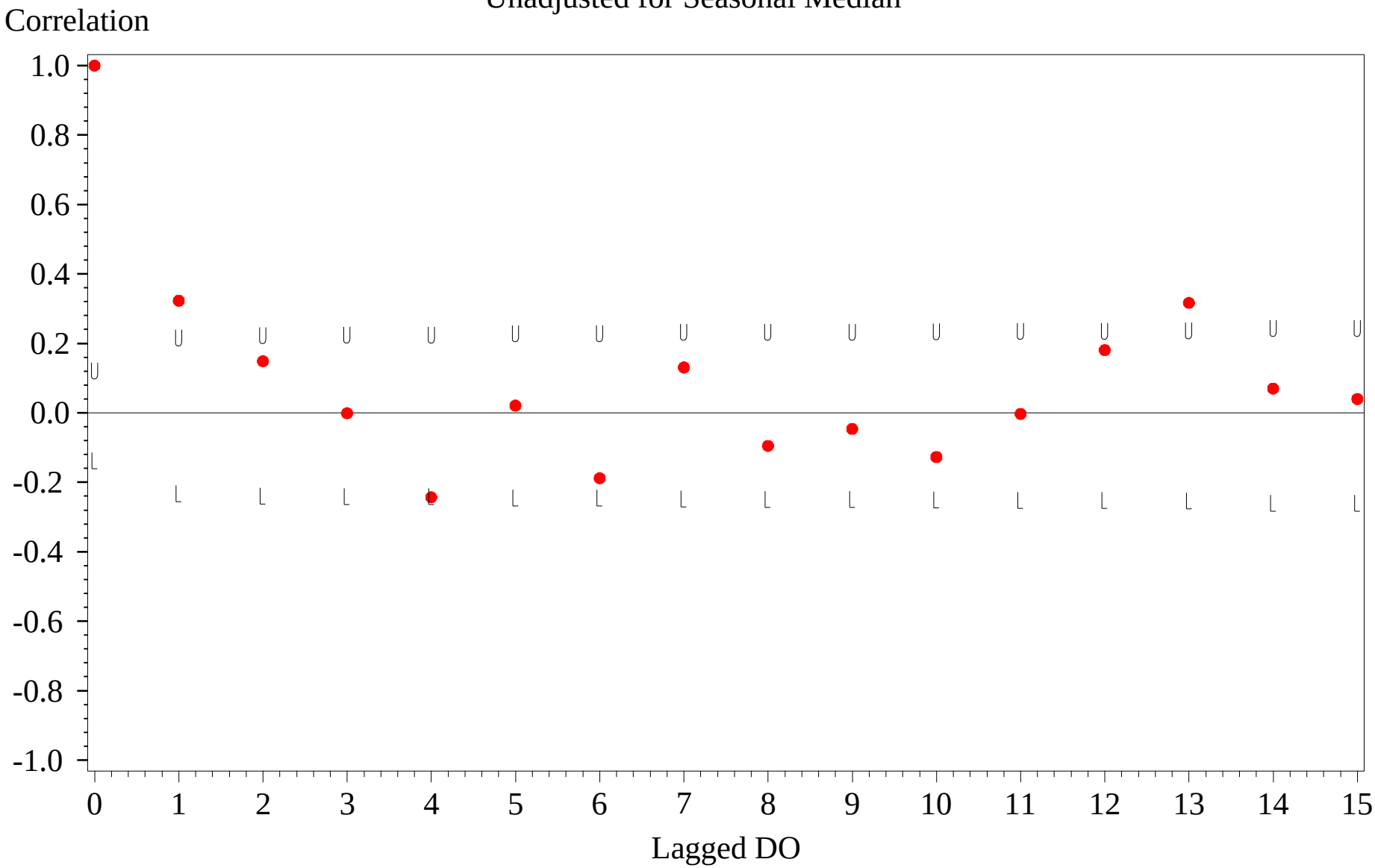
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56220SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.323	0.112	0.224	-0.224
2	0.149	0.116	0.231	-0.231
3	-0.001	0.116	0.233	-0.233
4	-0.243	0.116	0.233	-0.233
5	0.021	0.119	0.237	-0.237
6	-0.188	0.119	0.237	-0.237
7	0.131	0.120	0.240	-0.240
8	-0.095	0.120	0.241	-0.241
9	-0.046	0.121	0.241	-0.241
10	-0.127	0.121	0.242	-0.242
11	-0.003	0.121	0.243	-0.243
12	0.181	0.121	0.243	-0.243
13	0.317	0.122	0.245	-0.245
14	0.070	0.126	0.252	-0.252
15	0.040	0.126	0.252	-0.252

Lemon Bay Trends Appendix - Display 715
Correlogram for Surface Dissolved Oxygen at FDEP Station 56220SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 716

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56220SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.148	0.108	0.151	0.056

Lemon Bay Trends Appendix - Display 717

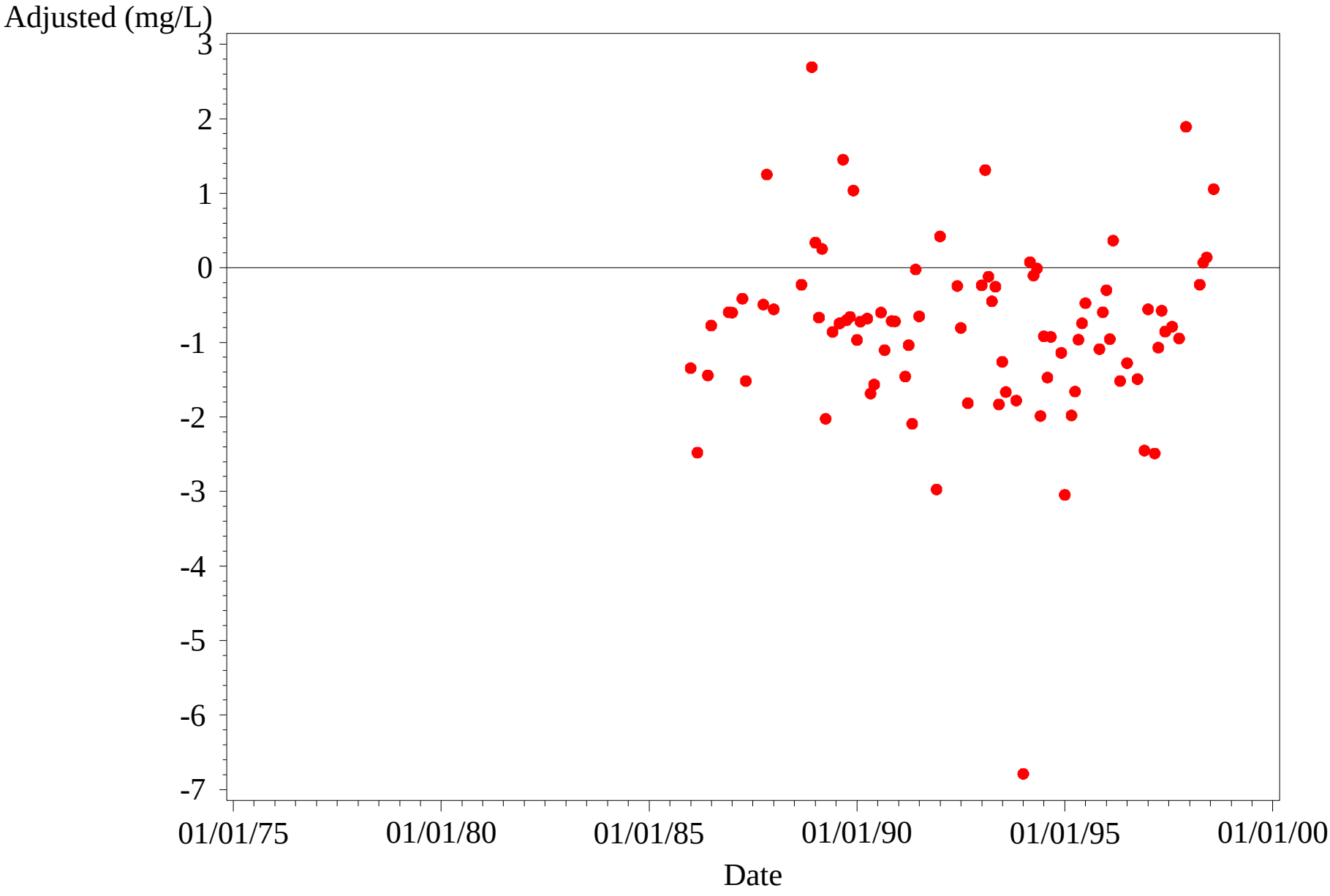
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56220SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14803	0.10758	0.15147	0.055556

Lemon Bay Trends Appendix - Display 718

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56220SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 719

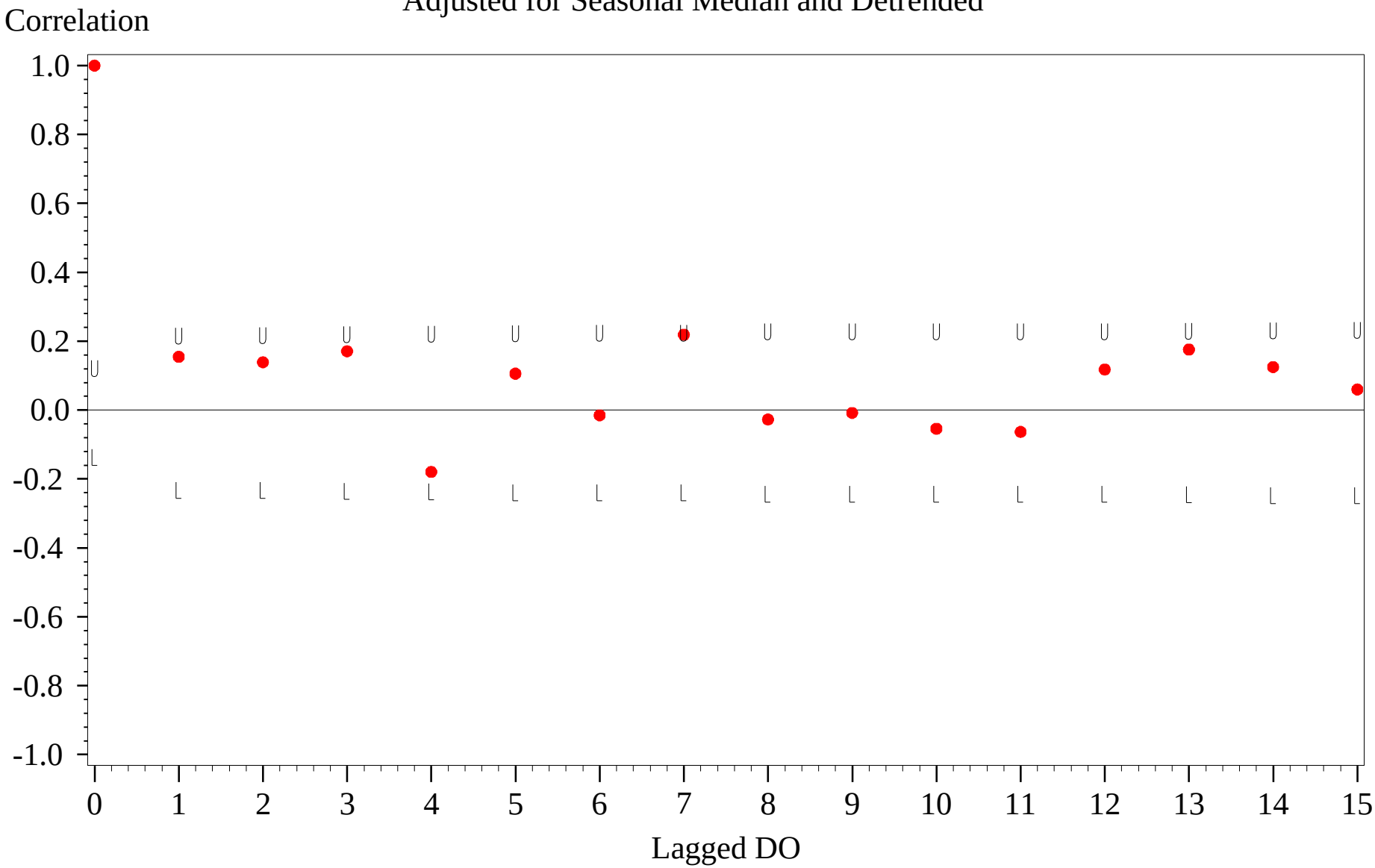
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56220SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.155	0.112	0.224	-0.224
2	0.139	0.113	0.225	-0.225
3	0.171	0.113	0.227	-0.227
4	-0.179	0.114	0.229	-0.229
5	0.106	0.116	0.231	-0.231
6	-0.015	0.116	0.232	-0.232
7	0.219	0.116	0.232	-0.232
8	-0.027	0.118	0.236	-0.236
9	-0.008	0.118	0.236	-0.236
10	-0.054	0.118	0.236	-0.236
11	-0.063	0.118	0.236	-0.236
12	0.118	0.118	0.236	-0.236
13	0.176	0.119	0.237	-0.237
14	0.125	0.120	0.239	-0.239
15	0.060	0.120	0.240	-0.240

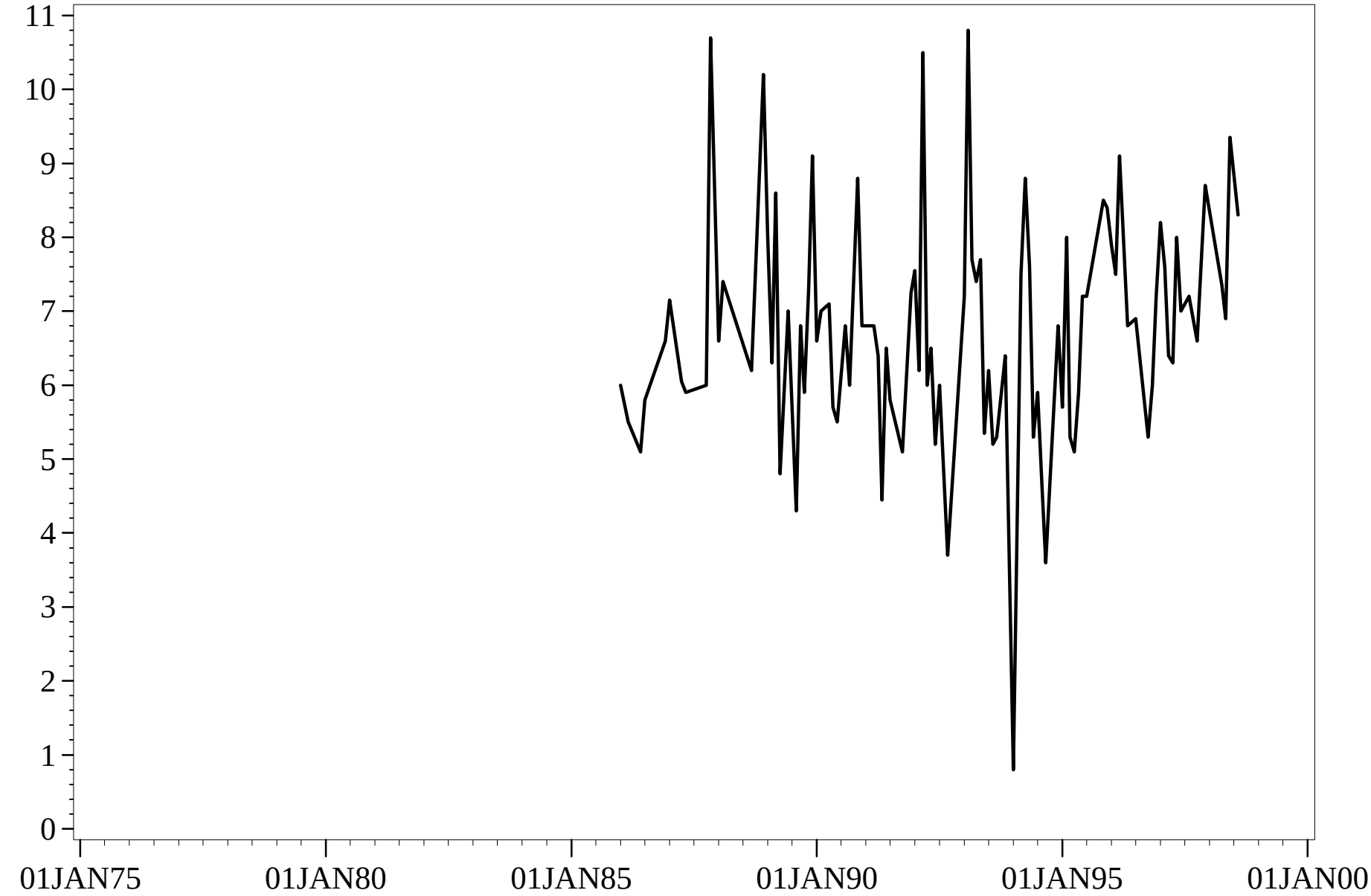
Lemon Bay Trends Appendix - Display 720
Correlogram for Surface Dissolved Oxygen at FDEP Station 56220SEAS

Adjusted for Seasonal Median and Detrended



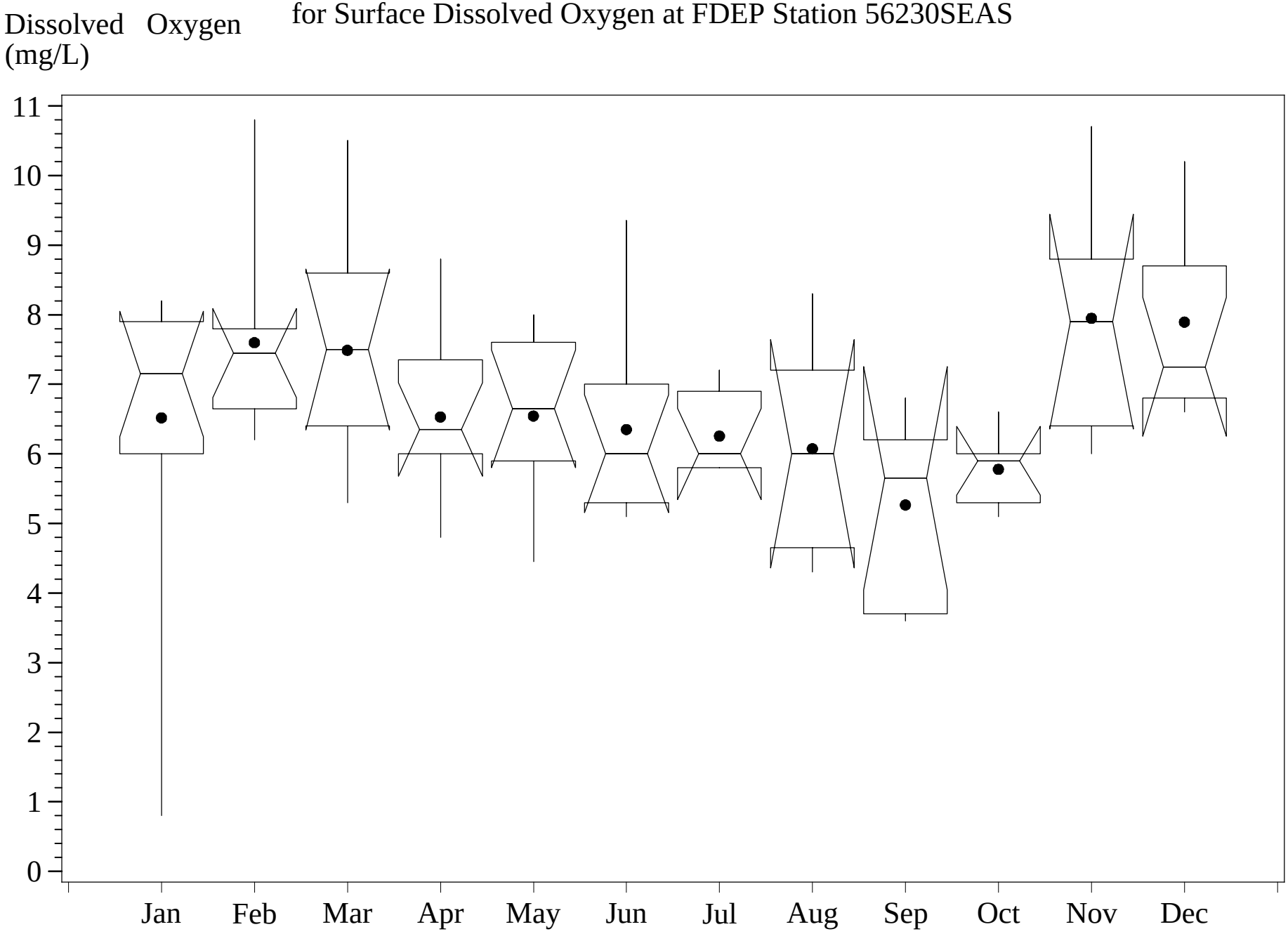
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 721
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56230SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 722

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56230SEAS



Lemon Bay Trends Appendix - Display 723

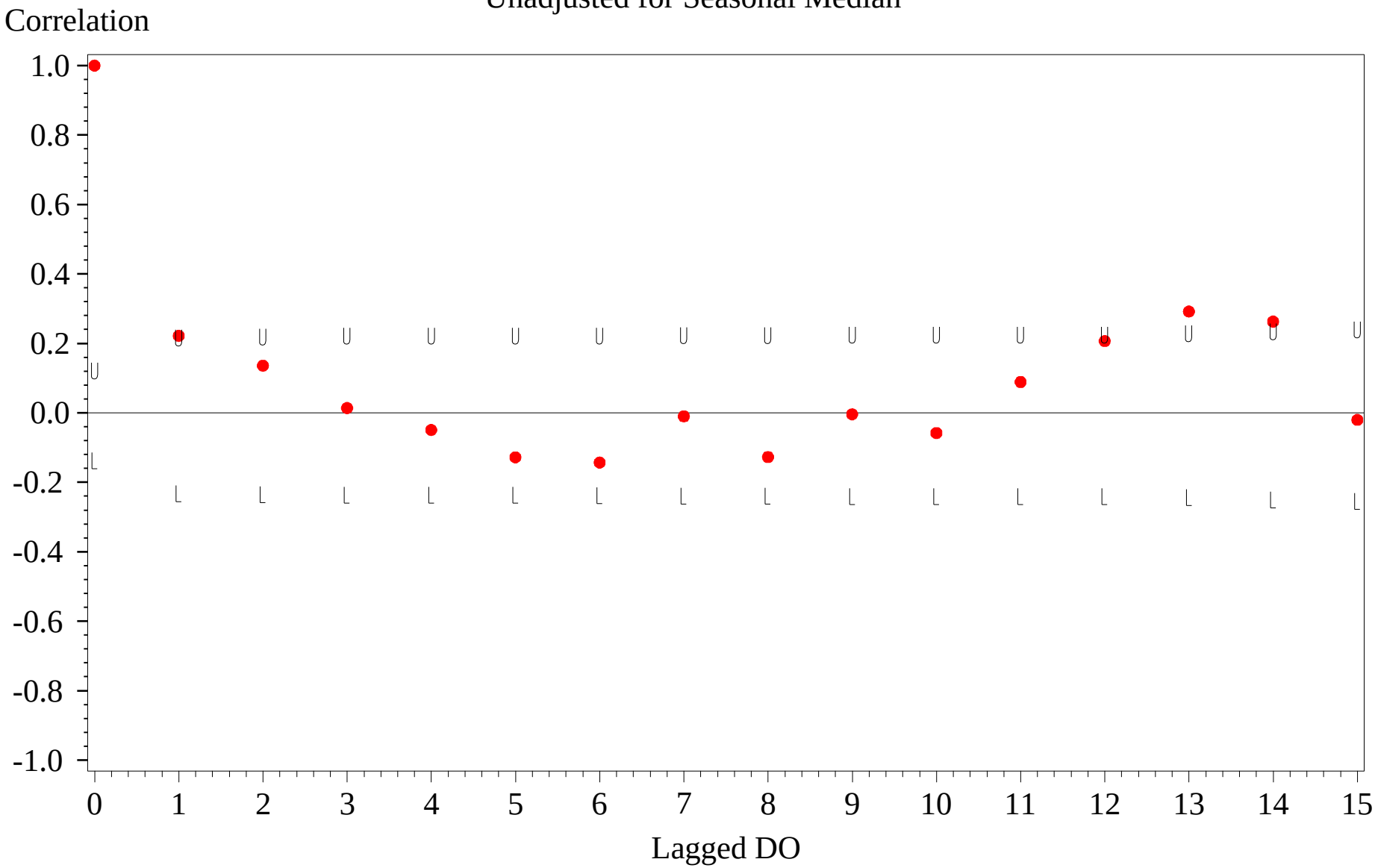
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56230SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.222	0.112	0.224	-0.224
2	0.136	0.114	0.227	-0.227
3	0.014	0.114	0.229	-0.229
4	-0.049	0.114	0.229	-0.229
5	-0.128	0.114	0.229	-0.229
6	-0.143	0.115	0.230	-0.230
7	-0.010	0.116	0.231	-0.231
8	-0.127	0.116	0.231	-0.231
9	-0.004	0.116	0.233	-0.233
10	-0.058	0.116	0.233	-0.233
11	0.089	0.116	0.233	-0.233
12	0.207	0.117	0.233	-0.233
13	0.292	0.118	0.236	-0.236
14	0.263	0.121	0.242	-0.242
15	-0.020	0.124	0.247	-0.247

Lemon Bay Trends Appendix - Display 724
Correlogram for Surface Dissolved Oxygen at FDEP Station 56230SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 725

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56230SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.199	0.018	0.064	0.083

Lemon Bay Trends Appendix - Display 726

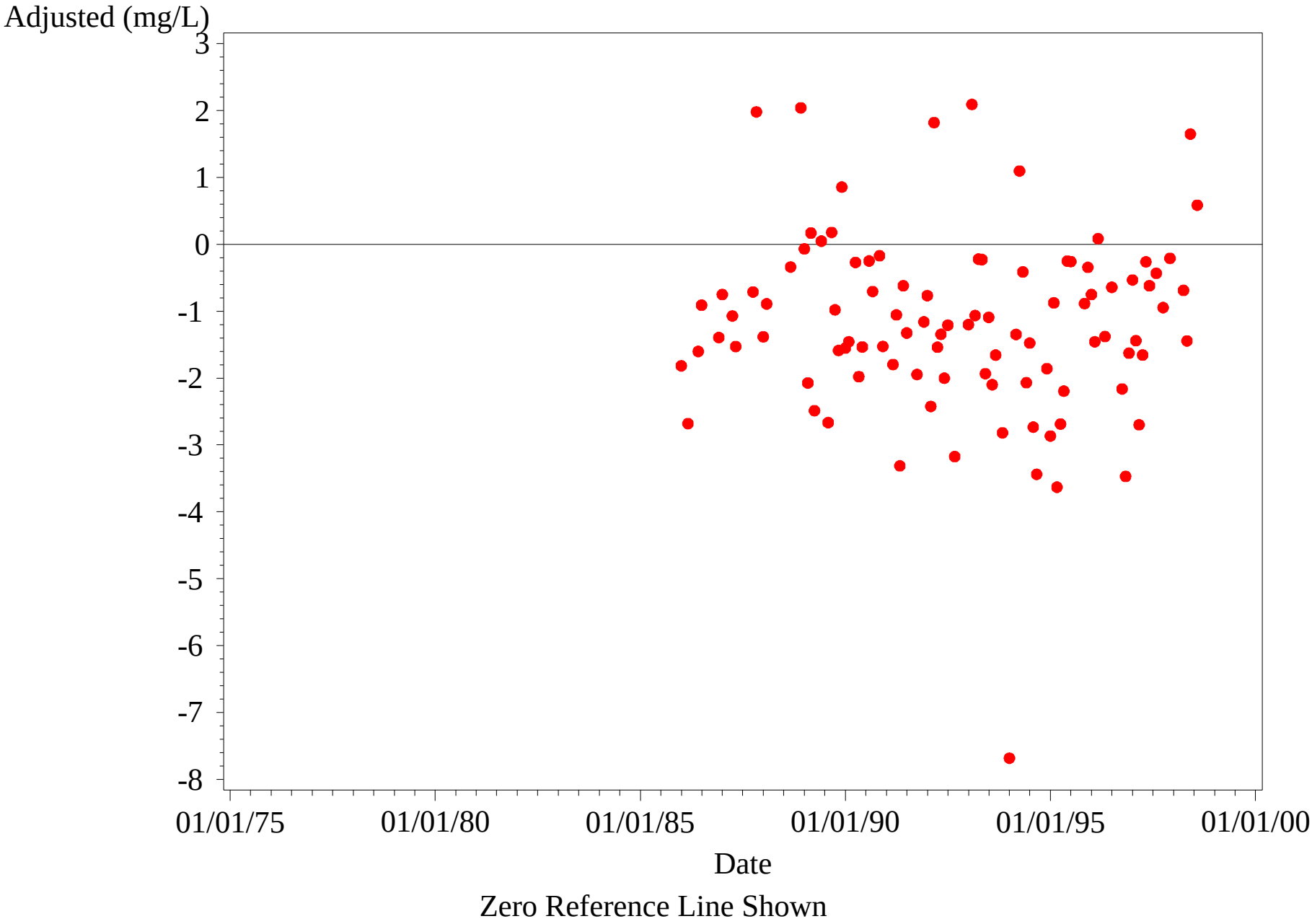
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56230SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.19945	0.018248	0.064342	0.083333

Lemon Bay Trends Appendix - Display 727

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56230SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 728

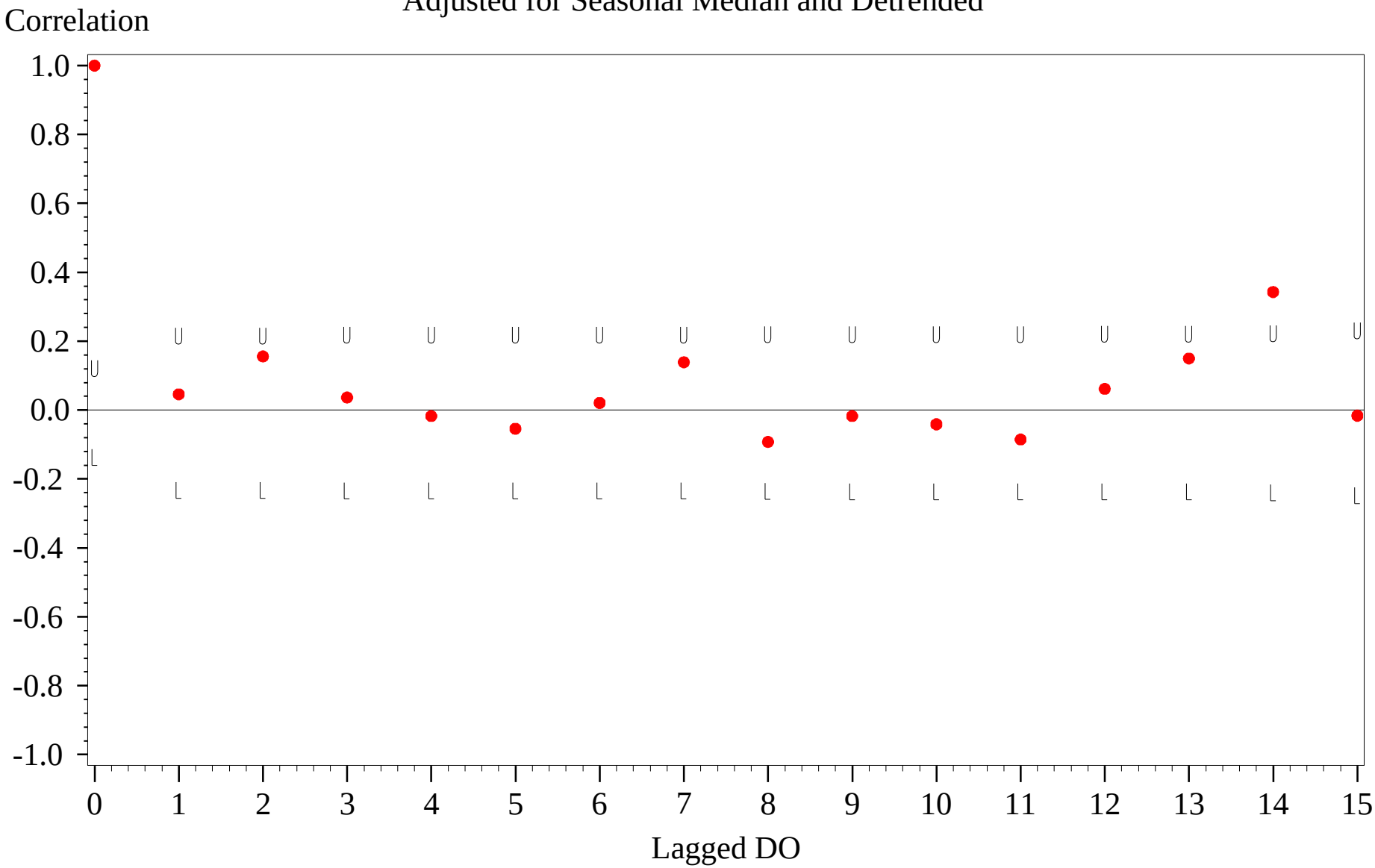
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56230SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.065	0.129	-0.129
1	0.046	0.112	0.224	-0.224
2	0.156	0.112	0.224	-0.224
3	0.037	0.113	0.226	-0.226
4	-0.017	0.113	0.226	-0.226
5	-0.054	0.113	0.226	-0.226
6	0.021	0.113	0.226	-0.226
7	0.139	0.113	0.226	-0.226
8	-0.092	0.114	0.227	-0.227
9	-0.017	0.114	0.228	-0.228
10	-0.041	0.114	0.228	-0.228
11	-0.085	0.114	0.228	-0.228
12	0.062	0.114	0.229	-0.229
13	0.150	0.114	0.229	-0.229
14	0.343	0.115	0.231	-0.231
15	-0.016	0.119	0.239	-0.239

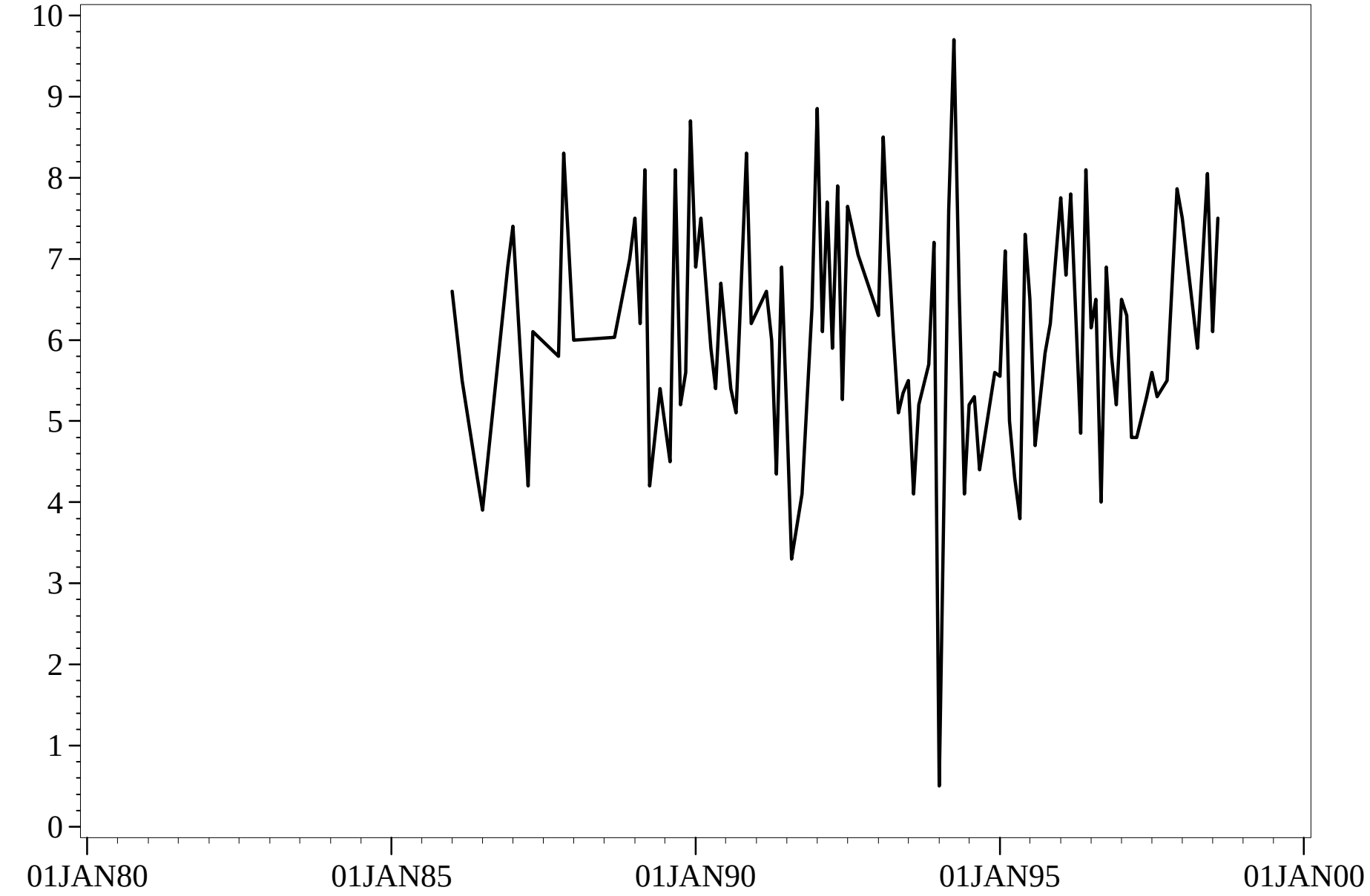
Lemon Bay Trends Appendix - Display 729
Correlogram for Surface Dissolved Oxygen at FDEP Station 56230SEAS

Adjusted for Seasonal Median and Detrended



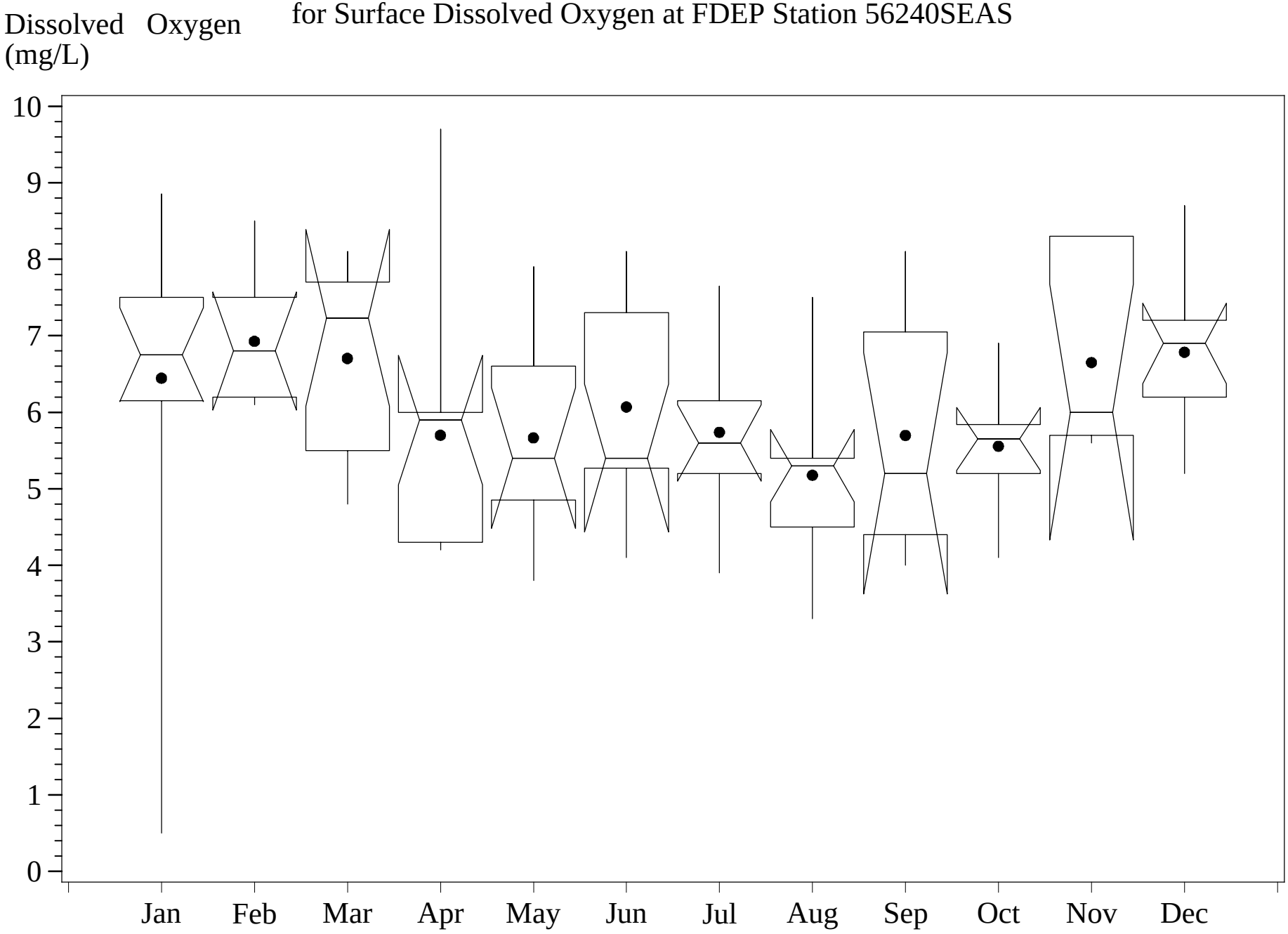
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 730
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56240SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 731

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56240SEAS



Lemon Bay Trends Appendix - Display 732

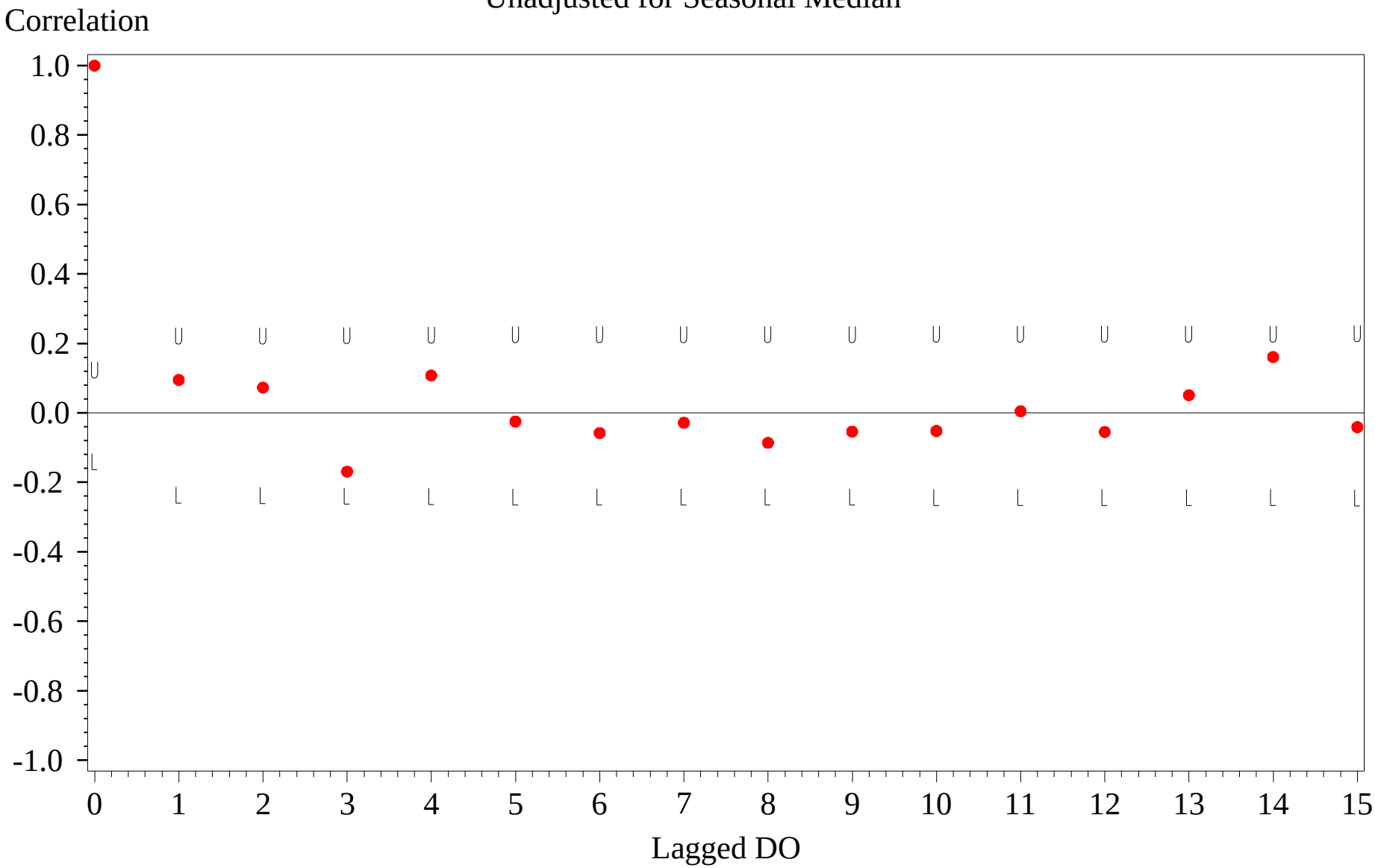
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56240SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.095	0.115	0.229	-0.229
2	0.073	0.115	0.230	-0.230
3	-0.169	0.115	0.231	-0.231
4	0.108	0.116	0.233	-0.233
5	-0.025	0.117	0.234	-0.234
6	-0.058	0.117	0.234	-0.234
7	-0.028	0.117	0.234	-0.234
8	-0.086	0.117	0.234	-0.234
9	-0.054	0.117	0.234	-0.234
10	-0.052	0.117	0.235	-0.235
11	0.005	0.117	0.235	-0.235
12	-0.055	0.117	0.235	-0.235
13	0.051	0.118	0.235	-0.235
14	0.161	0.118	0.235	-0.235
15	-0.041	0.119	0.237	-0.237

Lemon Bay Trends Appendix - Display 733
Correlogram for Surface Dissolved Oxygen at FDEP Station 56240SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 734

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56240SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.079	0.335	0.391	0.035

Lemon Bay Trends Appendix - Display 735

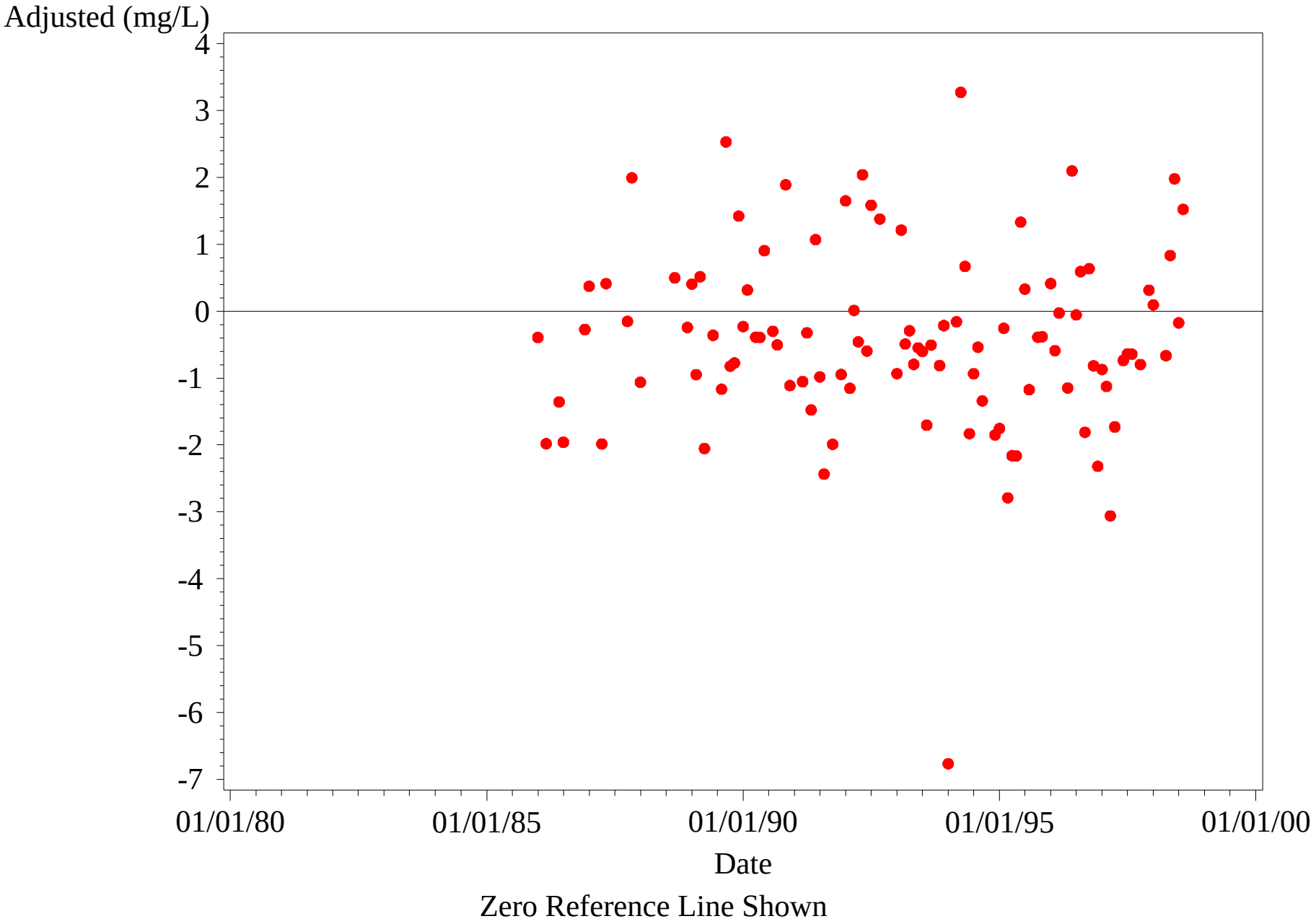
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56240SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.078947	0.3347	0.39123	0.034524

Lemon Bay Trends Appendix - Display 736

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56240SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 737

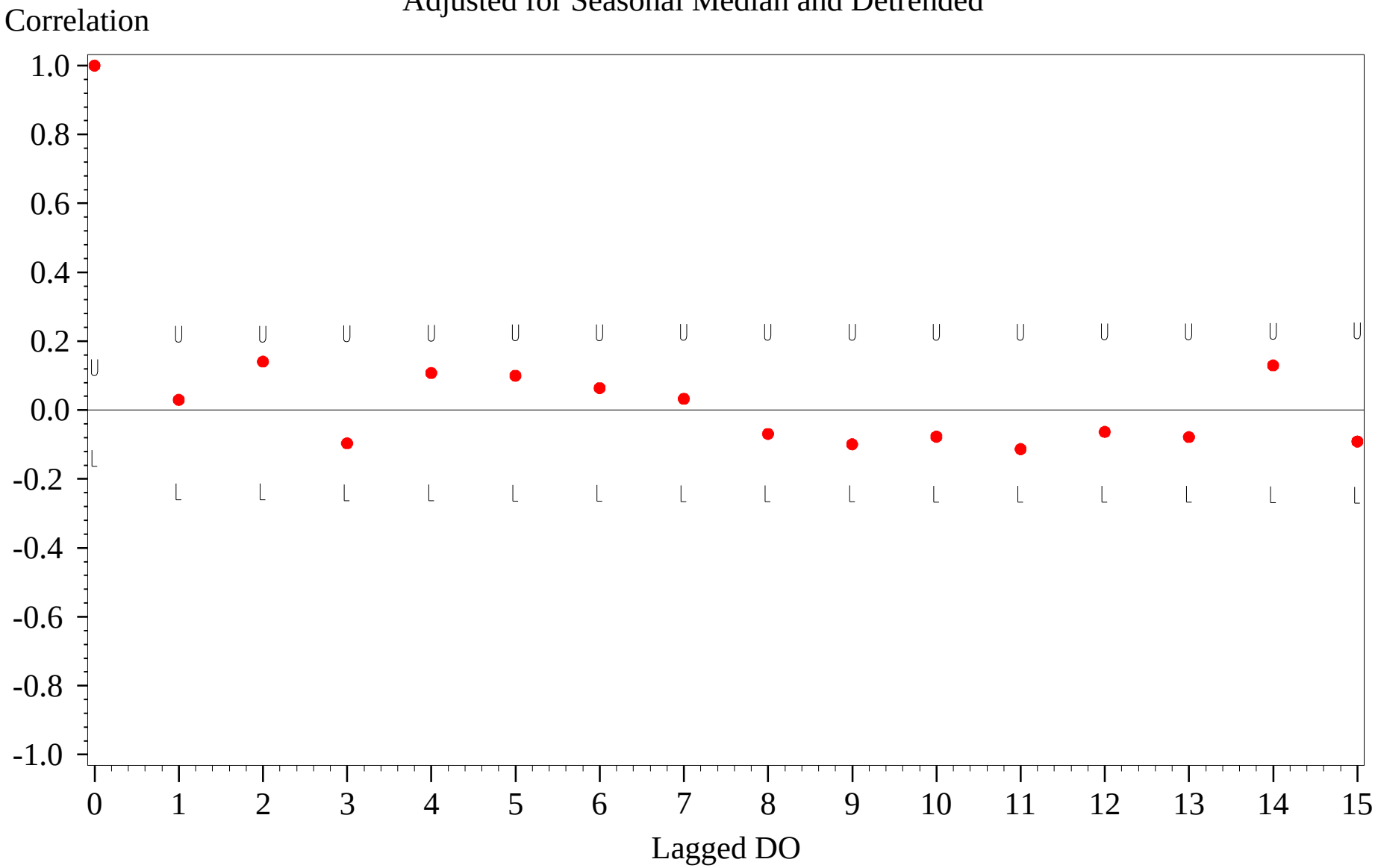
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56240SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.030	0.115	0.229	-0.229
2	0.141	0.115	0.229	-0.229
3	-0.096	0.115	0.231	-0.231
4	0.108	0.116	0.232	-0.232
5	0.100	0.116	0.233	-0.233
6	0.064	0.117	0.233	-0.233
7	0.033	0.117	0.234	-0.234
8	-0.069	0.117	0.234	-0.234
9	-0.099	0.117	0.234	-0.234
10	-0.077	0.117	0.235	-0.235
11	-0.113	0.118	0.235	-0.235
12	-0.063	0.118	0.236	-0.236
13	-0.078	0.118	0.236	-0.236
14	0.130	0.118	0.237	-0.237
15	-0.091	0.119	0.238	-0.238

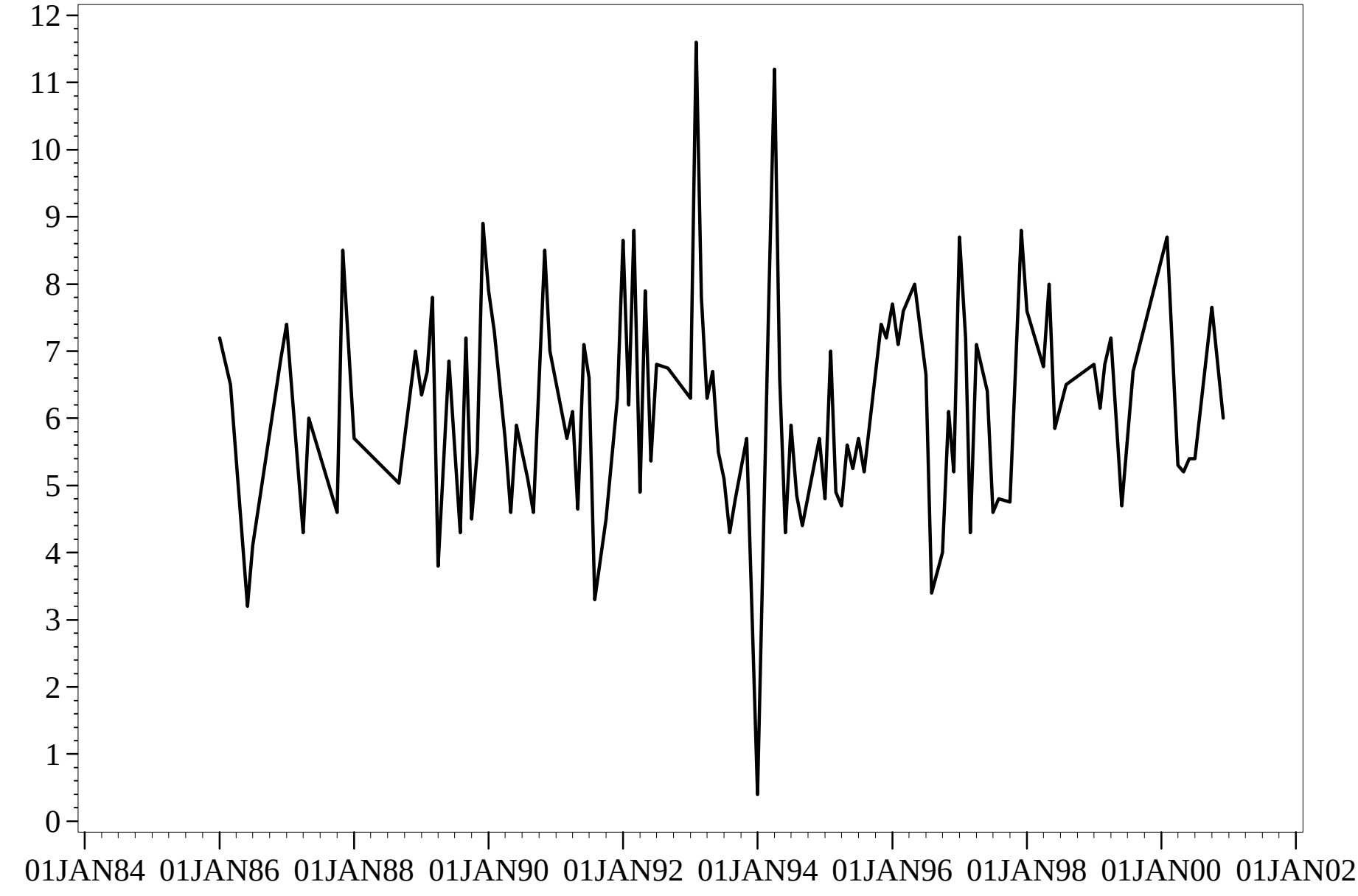
Lemon Bay Trends Appendix - Display 738
Correlogram for Surface Dissolved Oxygen at FDEP Station 56240SEAS

Adjusted for Seasonal Median and Detrended



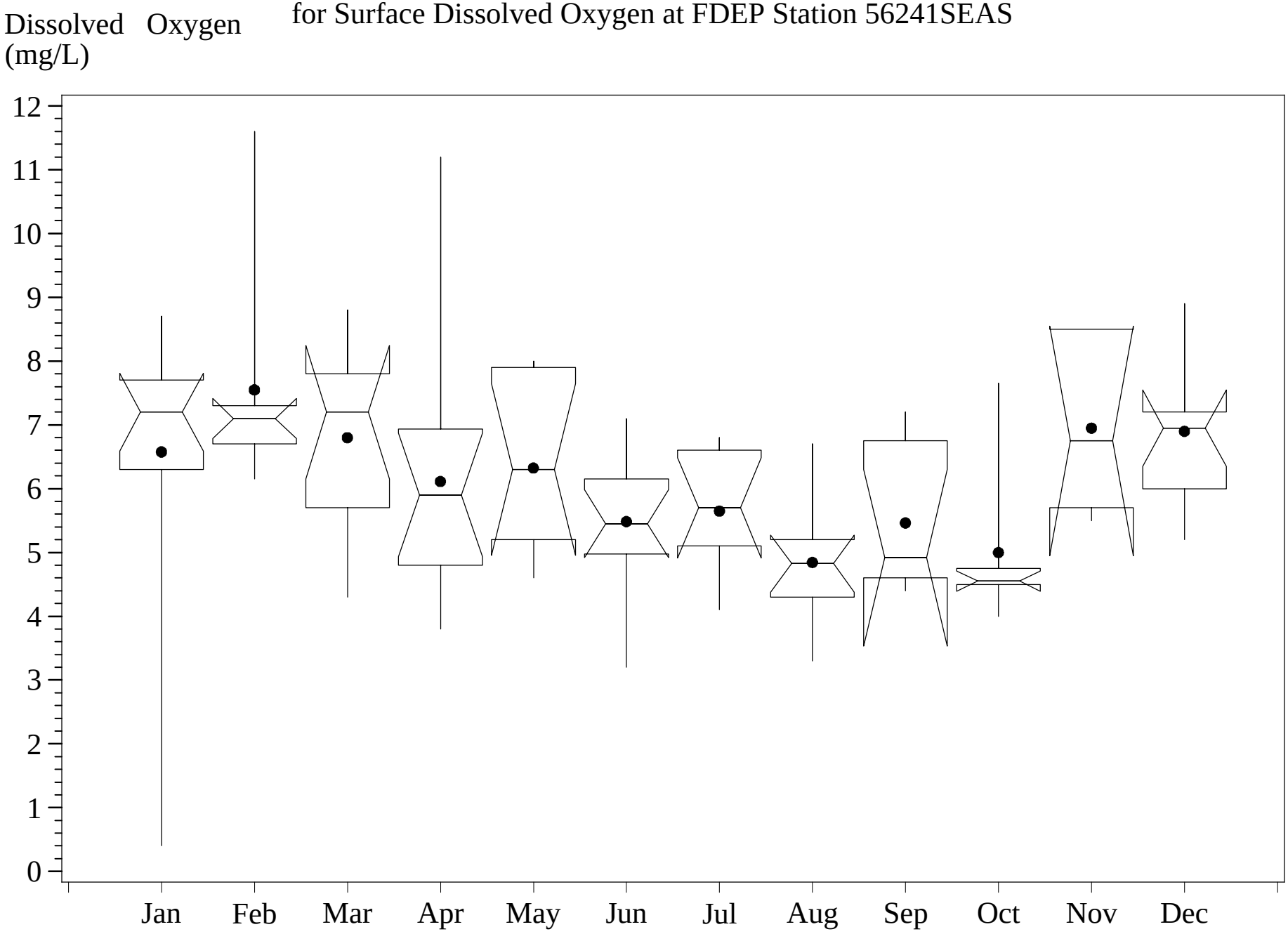
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 739
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56241SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 740

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56241SEAS



Lemon Bay Trends Appendix - Display 741

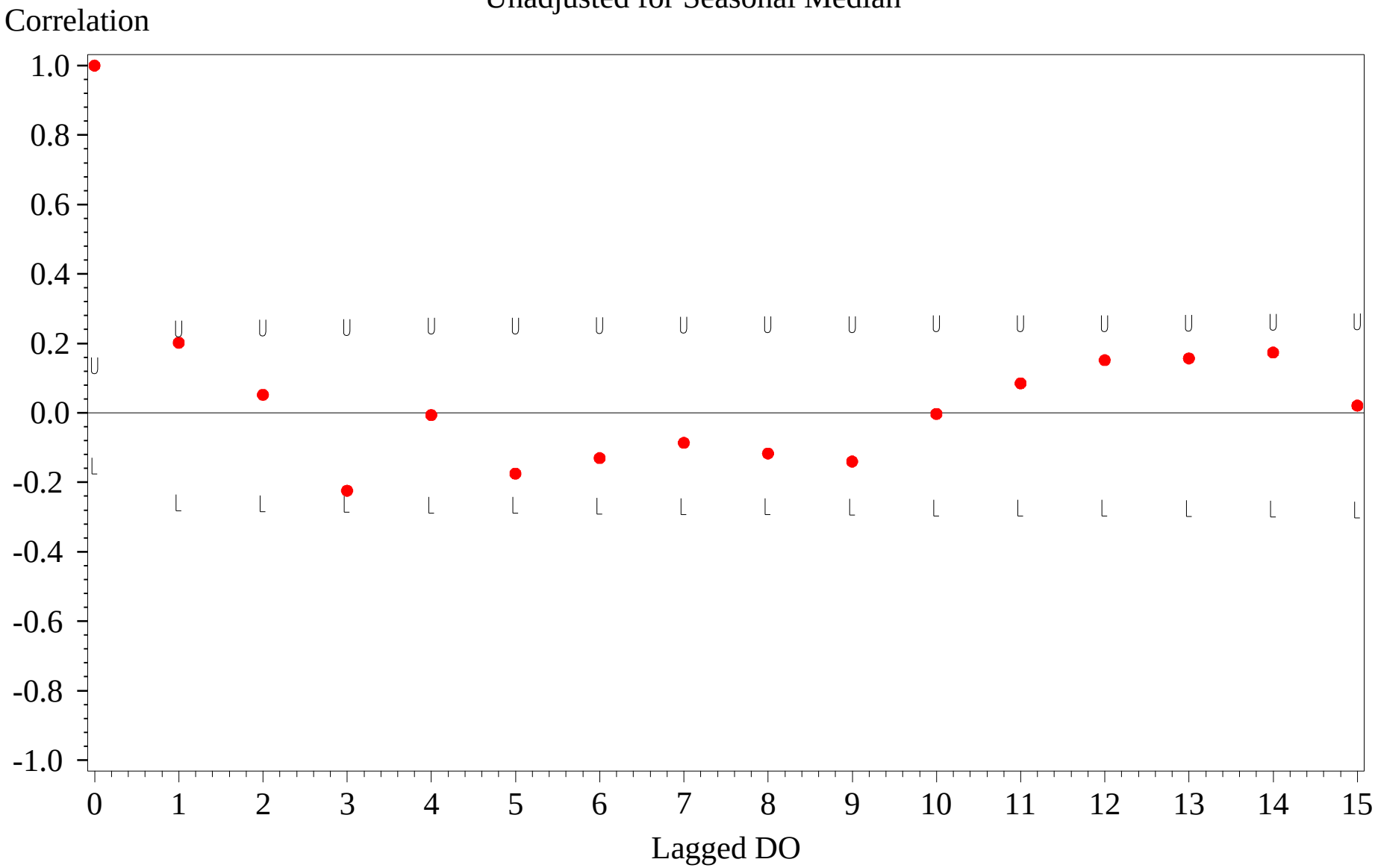
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56241SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	0.202	0.125	0.250	-0.250
2	0.052	0.127	0.253	-0.253
3	-0.224	0.127	0.254	-0.254
4	-0.006	0.129	0.258	-0.258
5	-0.175	0.129	0.258	-0.258
6	-0.130	0.130	0.260	-0.260
7	-0.086	0.131	0.261	-0.261
8	-0.117	0.131	0.262	-0.262
9	-0.140	0.132	0.263	-0.263
10	-0.003	0.132	0.265	-0.265
11	0.085	0.132	0.265	-0.265
12	0.152	0.133	0.265	-0.265
13	0.157	0.134	0.267	-0.267
14	0.174	0.135	0.269	-0.269
15	0.021	0.136	0.271	-0.271

Lemon Bay Trends Appendix - Display 742
Correlogram for Surface Dissolved Oxygen at FDEP Station 56241SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 743

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56241SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.069	0.373	0.328	0.031

Lemon Bay Trends Appendix - Display 744

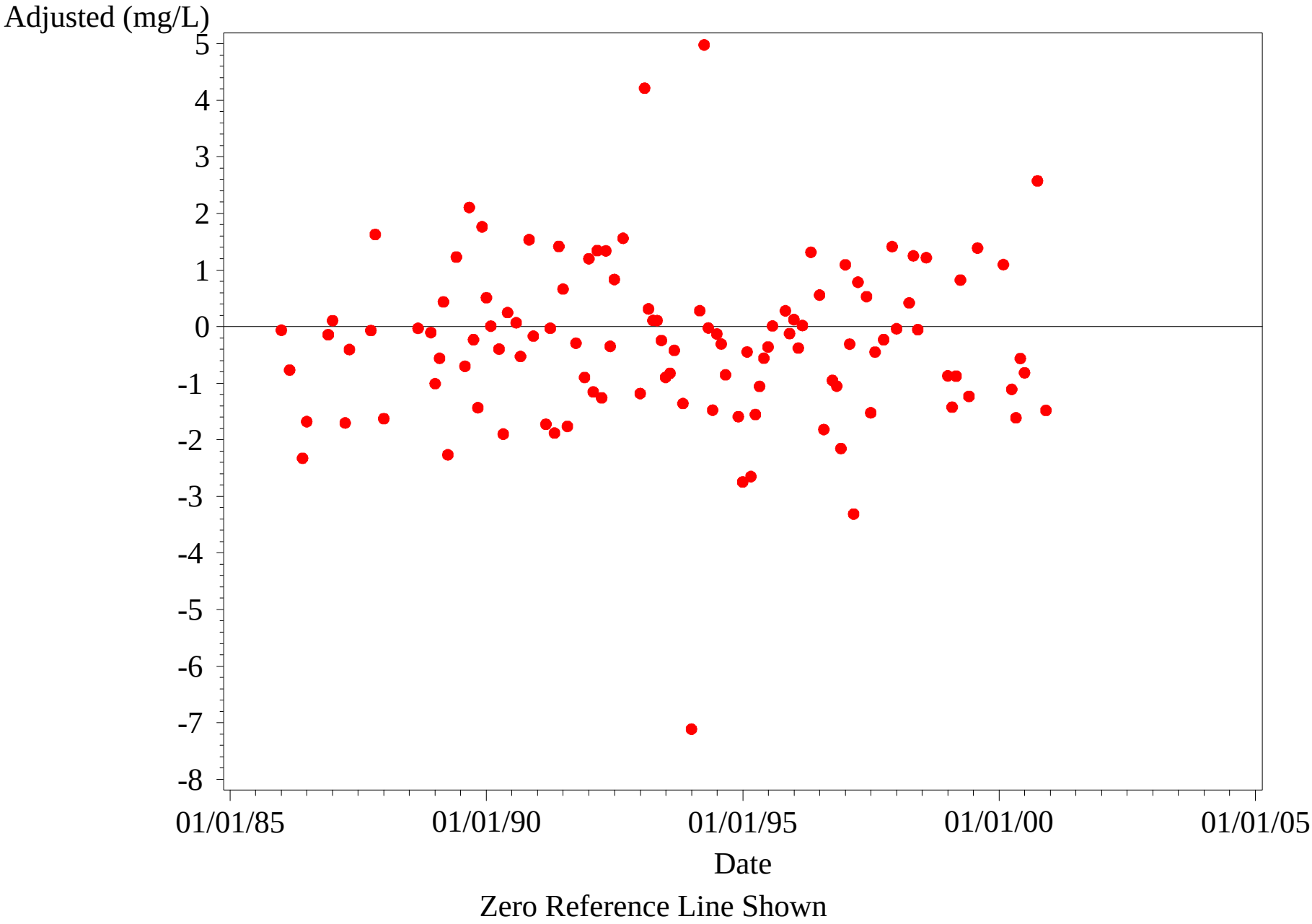
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56241SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.069034	0.37263	0.32842	0.03125

Lemon Bay Trends Appendix - Display 745

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56241SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 746

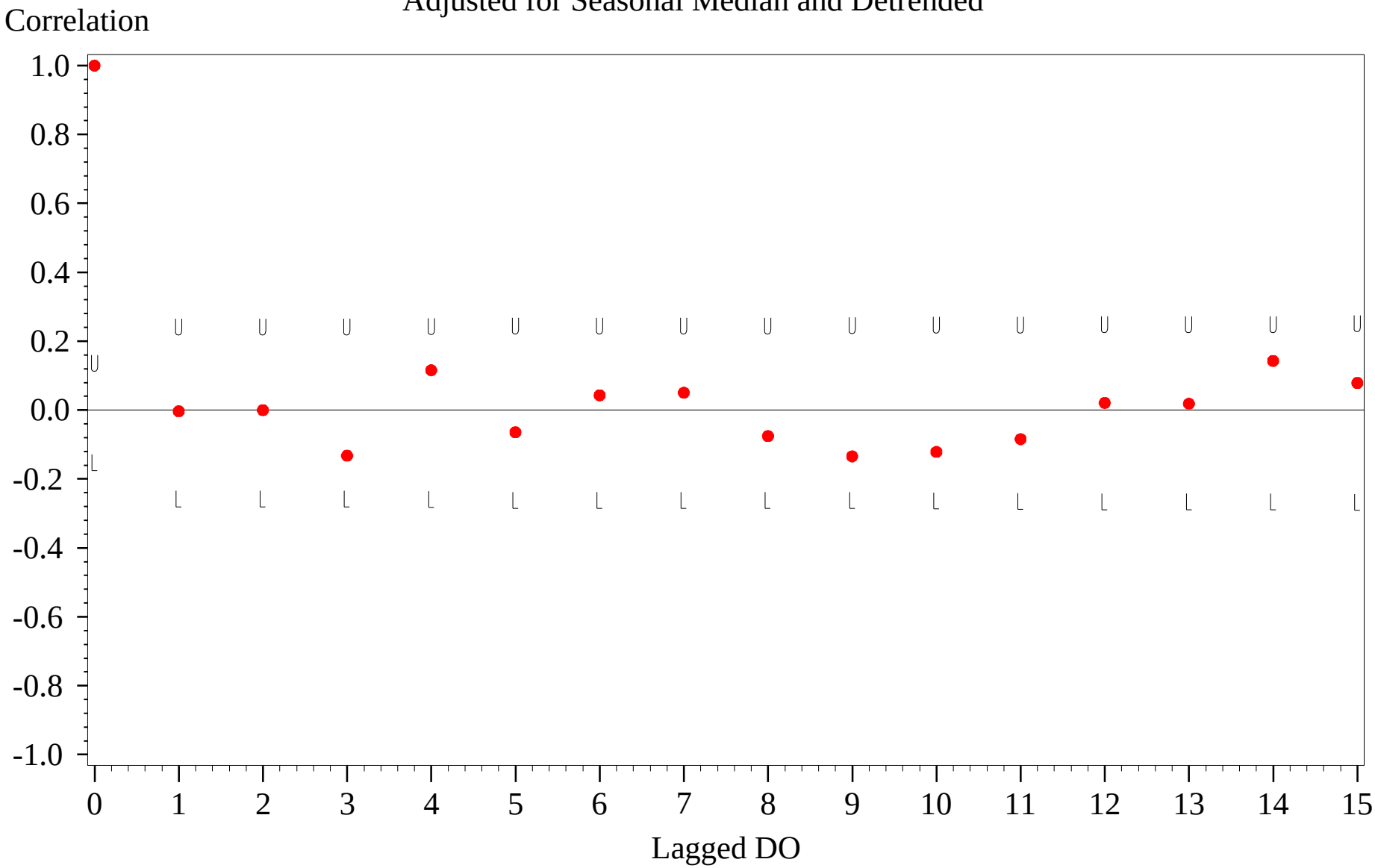
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56241SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.072	0.144	-0.144
1	-0.003	0.125	0.250	-0.250
2	0.000	0.125	0.250	-0.250
3	-0.132	0.125	0.250	-0.250
4	0.116	0.126	0.251	-0.251
5	-0.064	0.126	0.253	-0.253
6	0.043	0.126	0.253	-0.253
7	0.051	0.127	0.253	-0.253
8	-0.075	0.127	0.253	-0.253
9	-0.134	0.127	0.254	-0.254
10	-0.121	0.128	0.255	-0.255
11	-0.084	0.128	0.256	-0.256
12	0.021	0.128	0.257	-0.257
13	0.019	0.128	0.257	-0.257
14	0.143	0.129	0.257	-0.257
15	0.079	0.129	0.259	-0.259

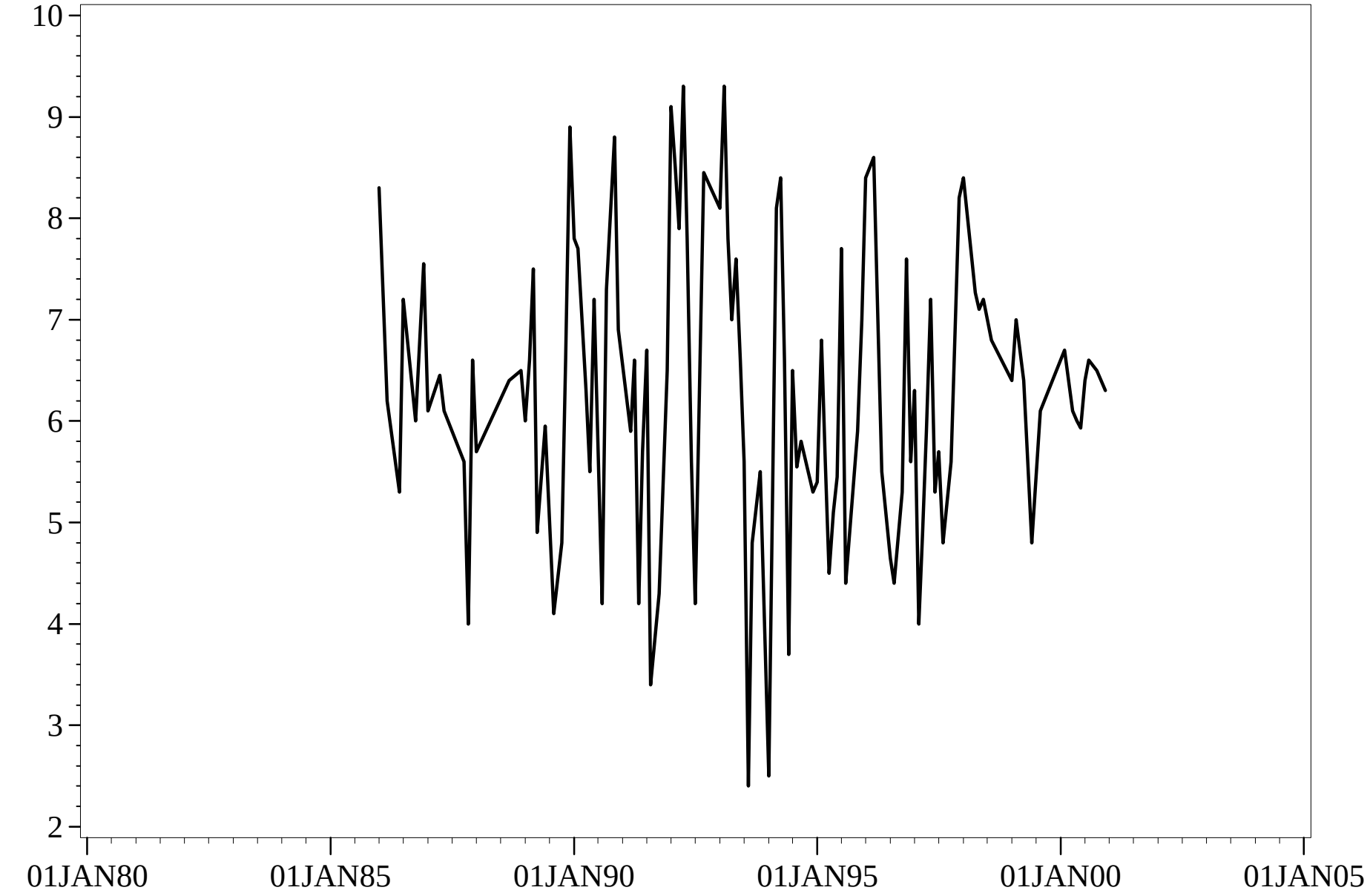
Lemon Bay Trends Appendix - Display 747
Correlogram for Surface Dissolved Oxygen at FDEP Station 56241SEAS

Adjusted for Seasonal Median and Detrended



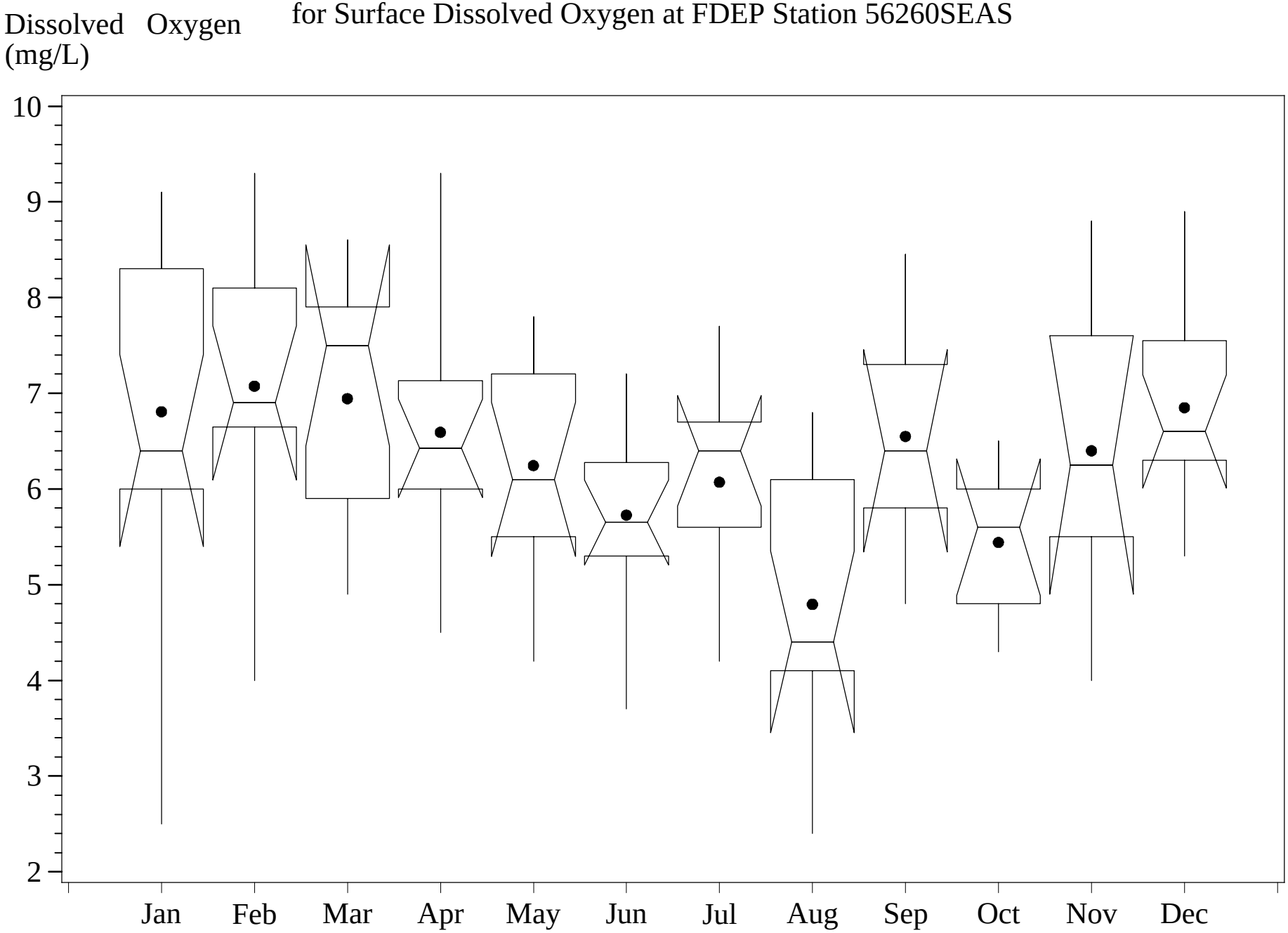
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 748
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56260SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 749

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56260SEAS



Lemon Bay Trends Appendix - Display 750

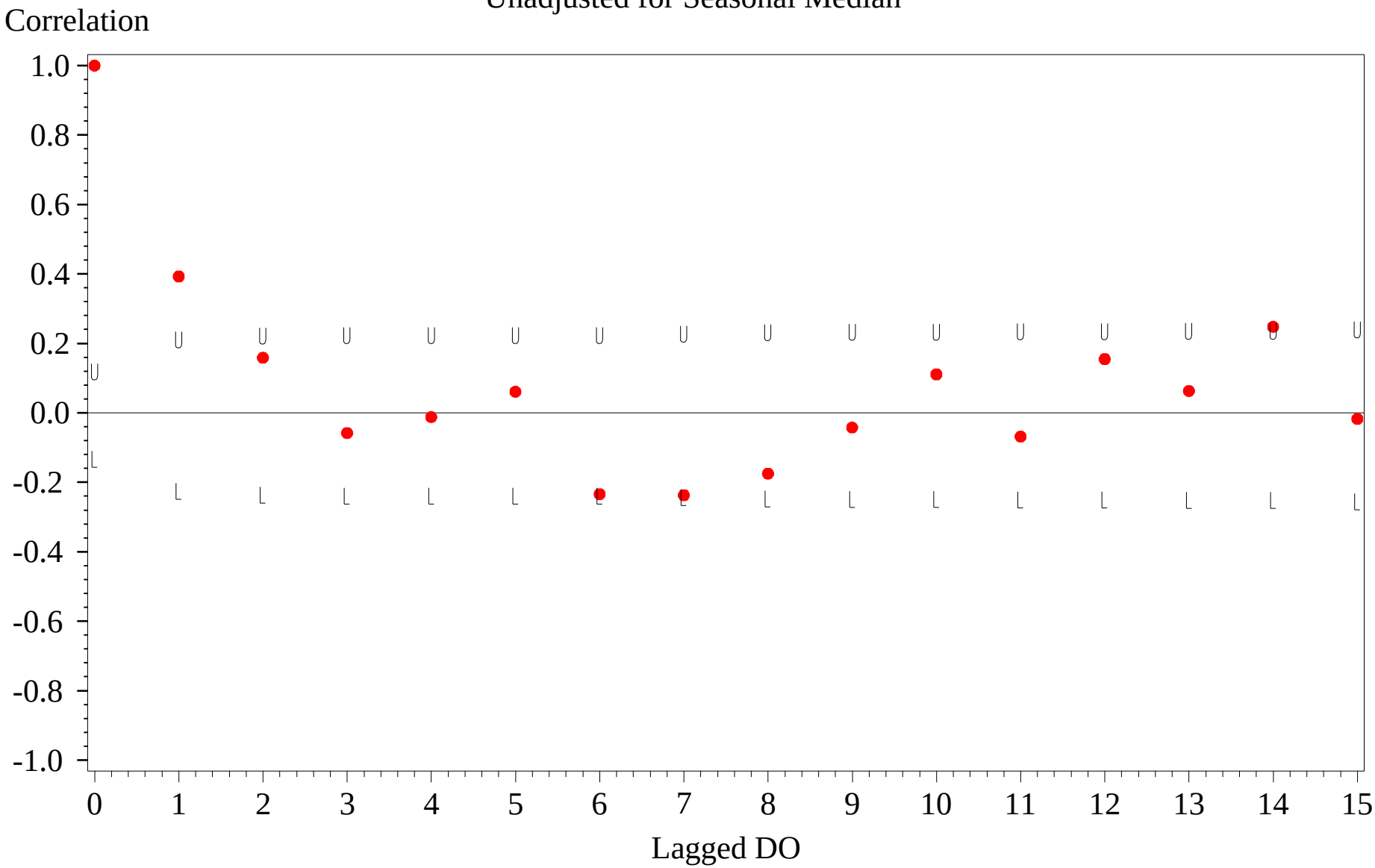
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56260SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.393	0.109	0.218	-0.218
2	0.159	0.115	0.229	-0.229
3	-0.058	0.115	0.231	-0.231
4	-0.012	0.116	0.231	-0.231
5	0.061	0.116	0.231	-0.231
6	-0.234	0.116	0.231	-0.231
7	-0.237	0.118	0.235	-0.235
8	-0.175	0.119	0.239	-0.239
9	-0.042	0.120	0.241	-0.241
10	0.111	0.121	0.241	-0.241
11	-0.068	0.121	0.242	-0.242
12	0.155	0.121	0.242	-0.242
13	0.063	0.122	0.244	-0.244
14	0.248	0.122	0.244	-0.244
15	-0.017	0.124	0.248	-0.248

Lemon Bay Trends Appendix - Display 751
Correlogram for Surface Dissolved Oxygen at FDEP Station 56260SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 752

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56260SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042	0.59	0.645	0.025

Lemon Bay Trends Appendix - Display 753

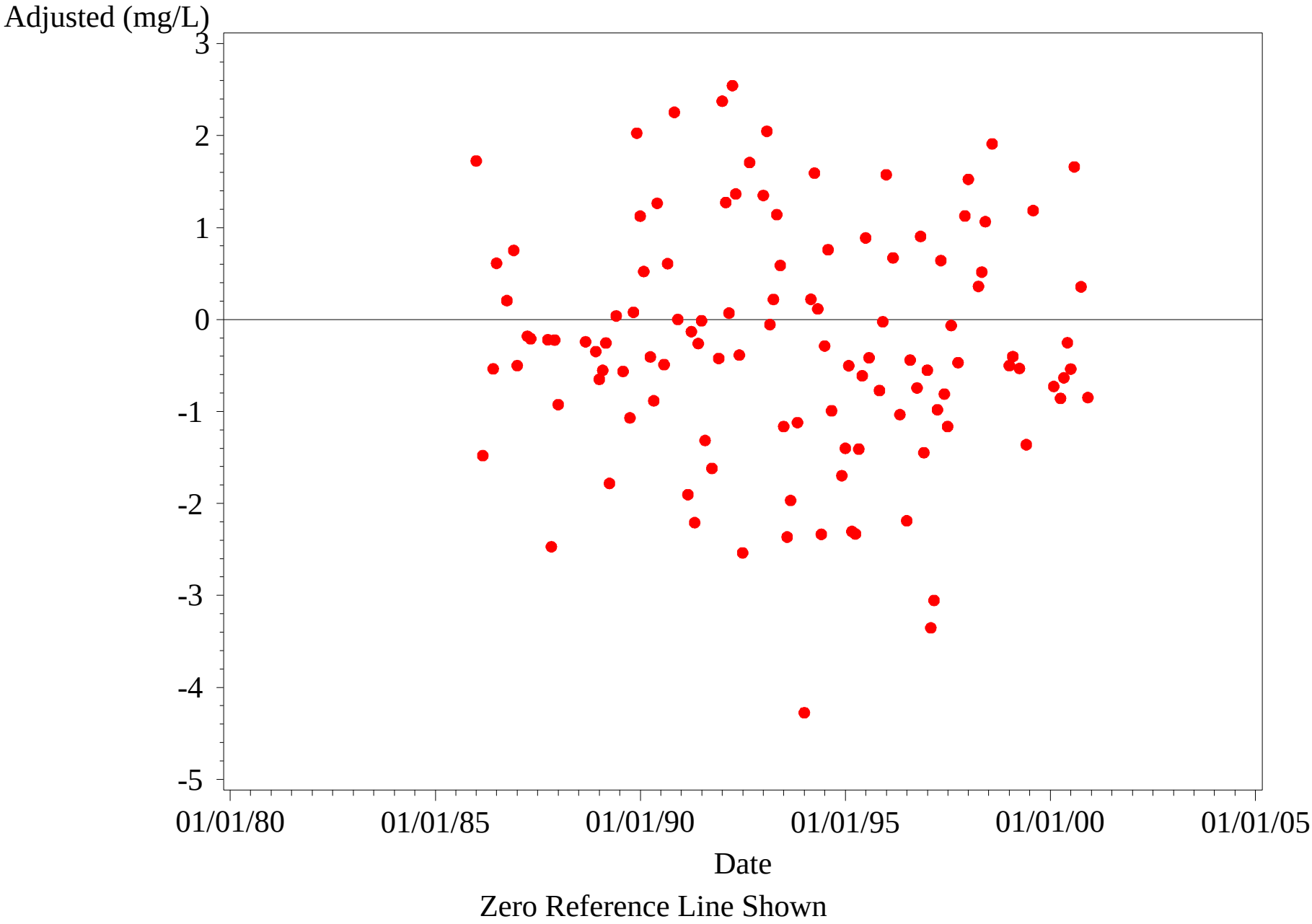
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56260SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042227	0.59022	0.64477	0.025

Lemon Bay Trends Appendix - Display 754

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56260SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 755

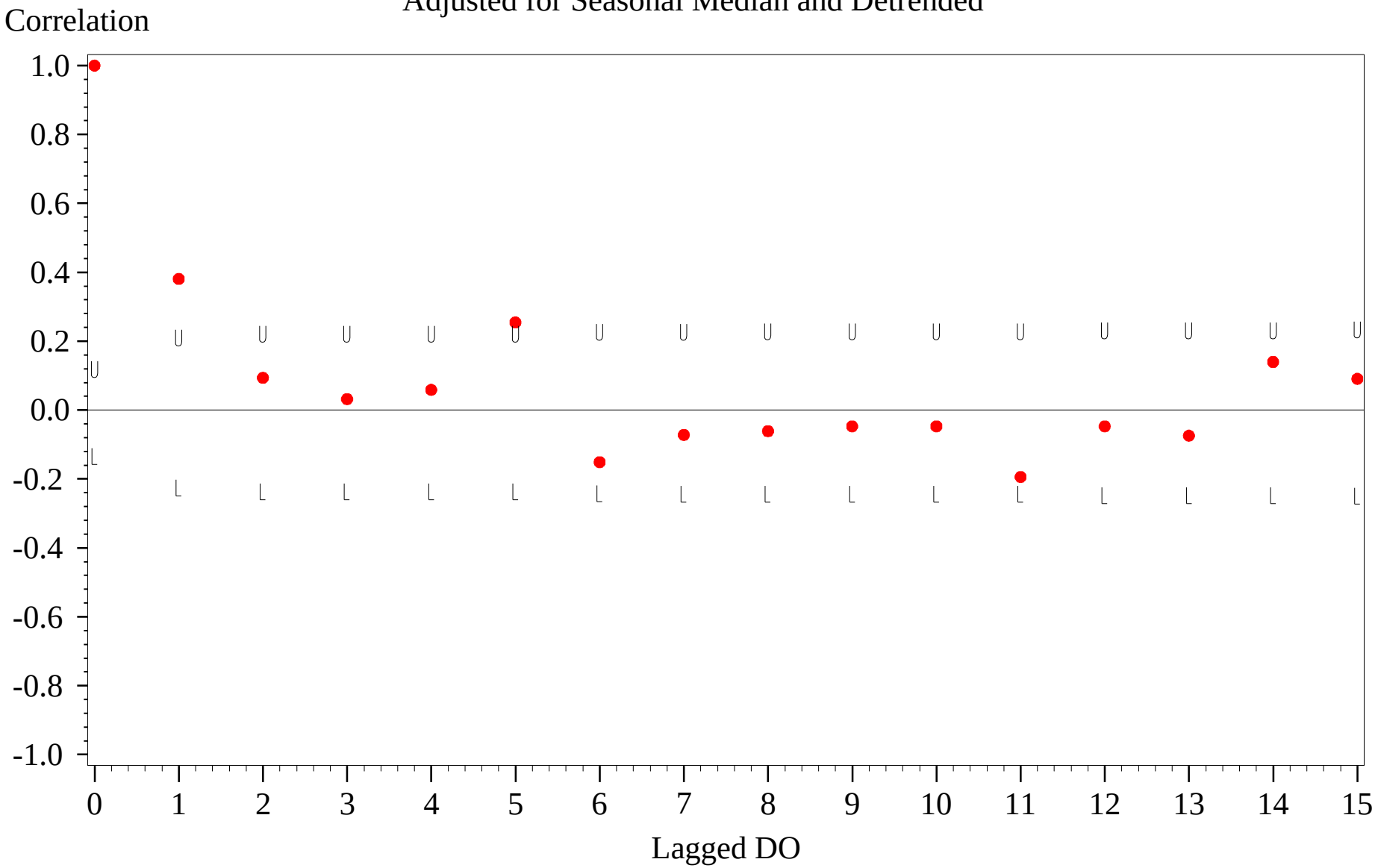
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56260SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.381	0.109	0.218	-0.218
2	0.094	0.114	0.229	-0.229
3	0.032	0.115	0.229	-0.229
4	0.059	0.115	0.229	-0.229
5	0.255	0.115	0.229	-0.229
6	-0.151	0.117	0.234	-0.234
7	-0.072	0.118	0.235	-0.235
8	-0.061	0.118	0.236	-0.236
9	-0.047	0.118	0.236	-0.236
10	-0.047	0.118	0.236	-0.236
11	-0.194	0.118	0.236	-0.236
12	-0.047	0.119	0.239	-0.239
13	-0.074	0.120	0.239	-0.239
14	0.140	0.120	0.239	-0.239
15	0.091	0.120	0.241	-0.241

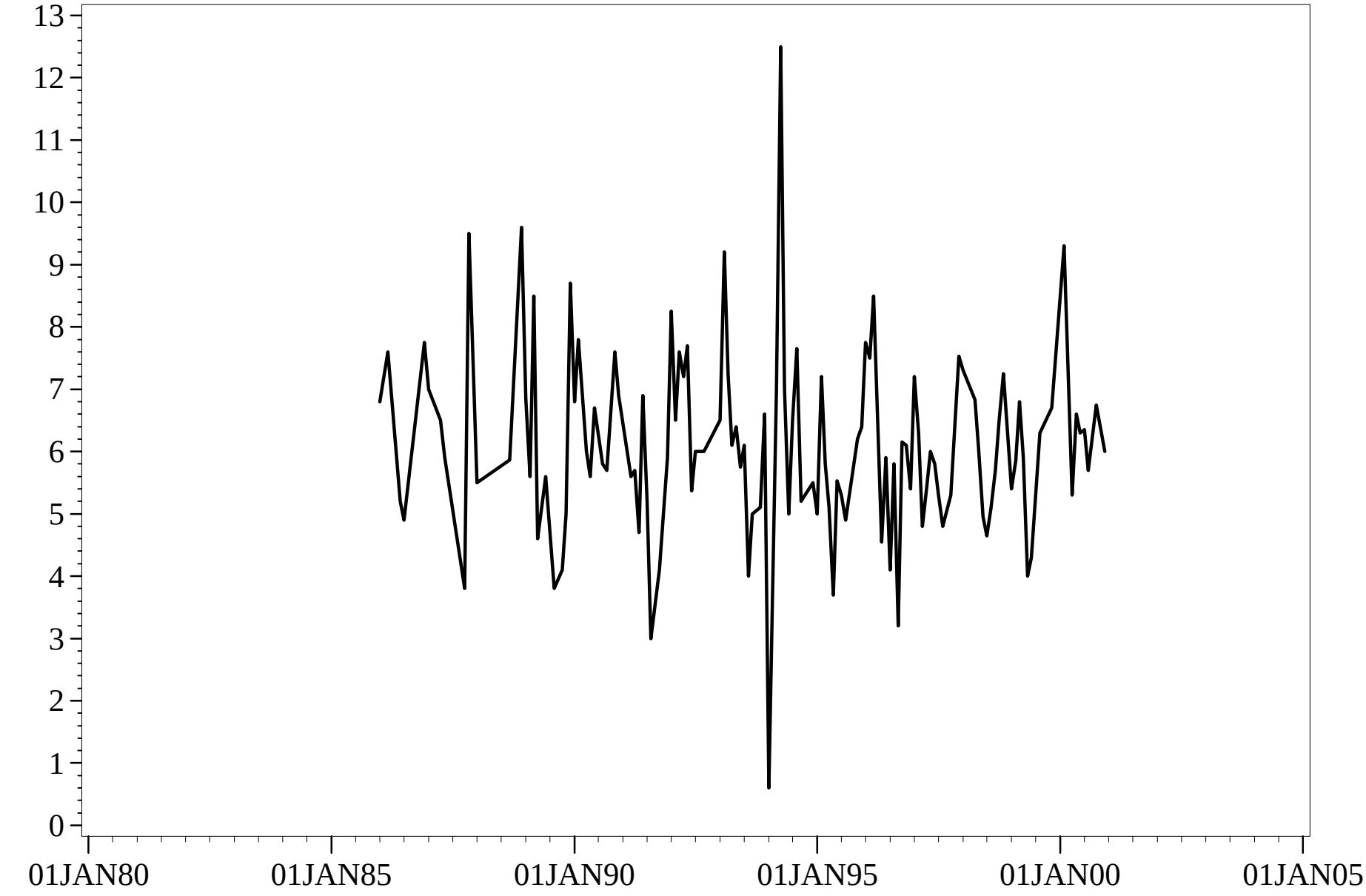
Lemon Bay Trends Appendix - Display 756
Correlogram for Surface Dissolved Oxygen at FDEP Station 56260SEAS

Adjusted for Seasonal Median and Detrended



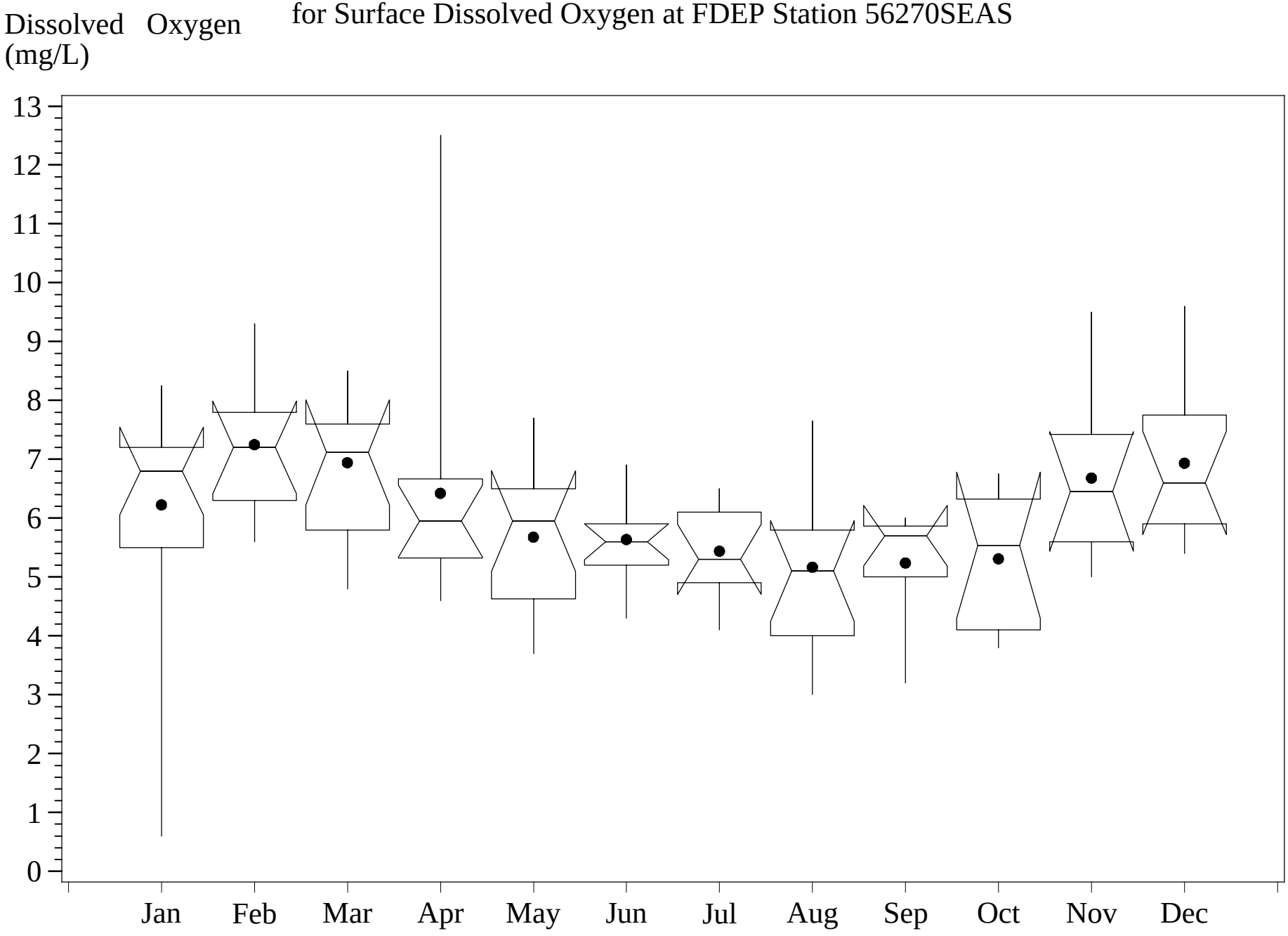
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 757
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56270SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 758

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56270SEAS



Lemon Bay Trends Appendix - Display 759

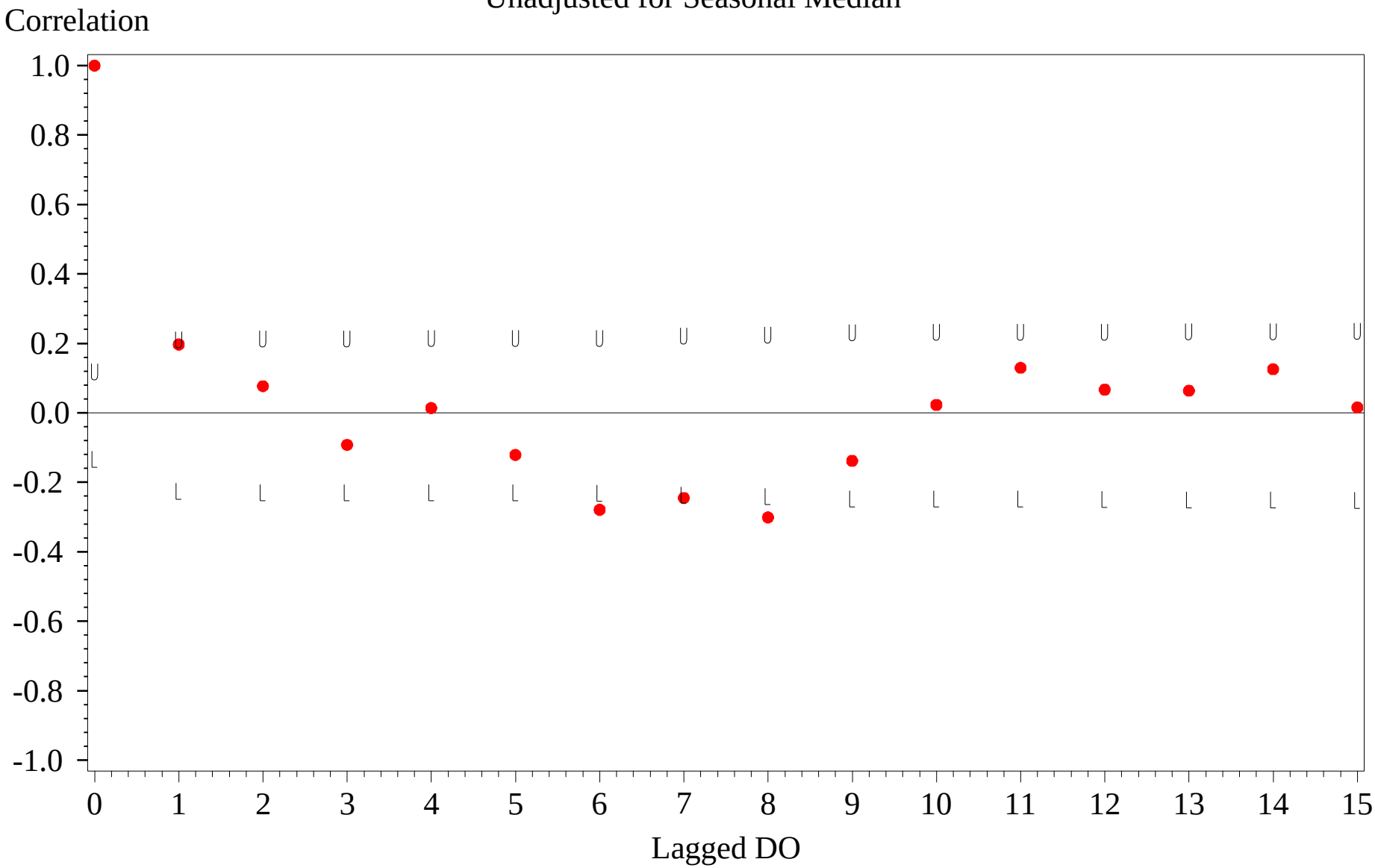
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56270SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.197	0.109	0.218	-0.218
2	0.077	0.111	0.221	-0.221
3	-0.092	0.111	0.221	-0.221
4	0.014	0.111	0.222	-0.222
5	-0.121	0.111	0.222	-0.222
6	-0.279	0.112	0.223	-0.223
7	-0.245	0.114	0.229	-0.229
8	-0.301	0.116	0.233	-0.233
9	-0.138	0.119	0.239	-0.239
10	0.023	0.120	0.240	-0.240
11	0.130	0.120	0.240	-0.240
12	0.067	0.121	0.241	-0.241
13	0.064	0.121	0.242	-0.242
14	0.126	0.121	0.242	-0.242
15	0.016	0.121	0.243	-0.243

Lemon Bay Trends Appendix - Display 760
Correlogram for Surface Dissolved Oxygen at FDEP Station 56270SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 761

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56270SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.028	0.706	0.753	-0.013

Lemon Bay Trends Appendix - Display 762

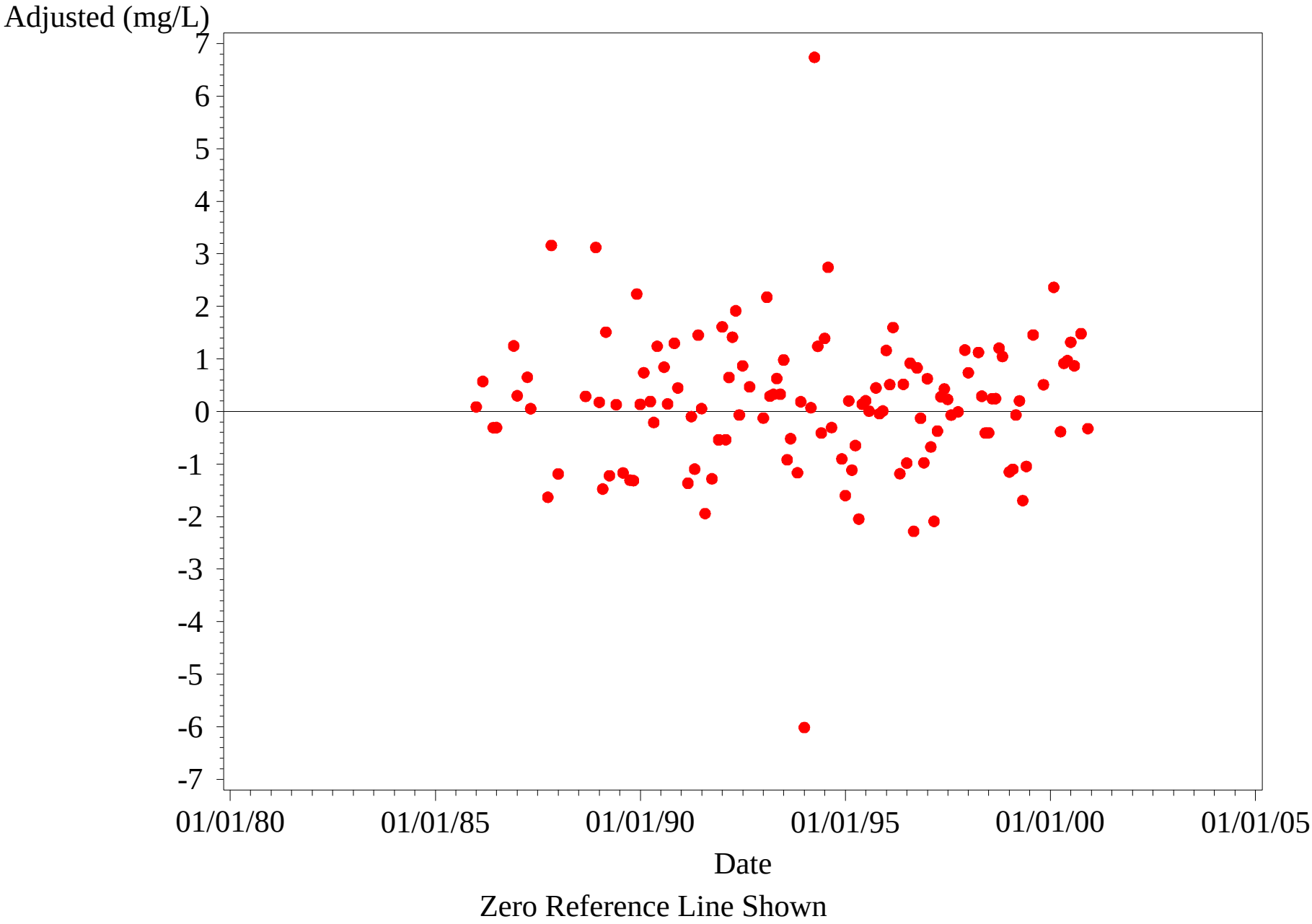
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56270SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.028286	0.70621	0.75275	-0.0125

Lemon Bay Trends Appendix - Display 763

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56270SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 764

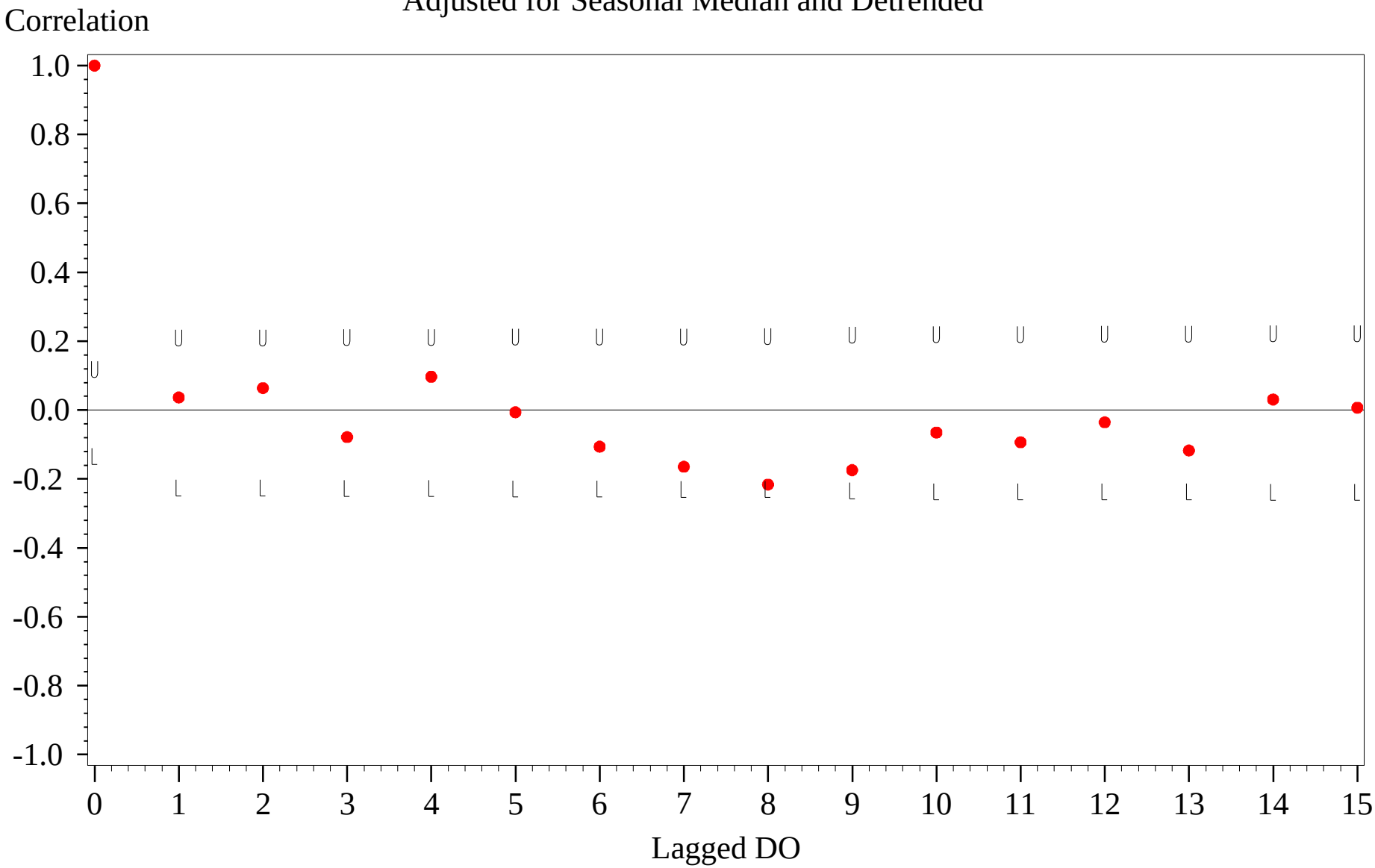
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56270SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.037	0.109	0.218	-0.218
2	0.064	0.109	0.218	-0.218
3	-0.078	0.109	0.219	-0.219
4	0.097	0.110	0.219	-0.219
5	-0.006	0.110	0.220	-0.220
6	-0.106	0.110	0.220	-0.220
7	-0.164	0.110	0.221	-0.221
8	-0.216	0.111	0.222	-0.222
9	-0.174	0.113	0.226	-0.226
10	-0.065	0.114	0.228	-0.228
11	-0.093	0.114	0.228	-0.228
12	-0.035	0.114	0.229	-0.229
13	-0.117	0.114	0.229	-0.229
14	0.031	0.115	0.230	-0.230
15	0.007	0.115	0.230	-0.230

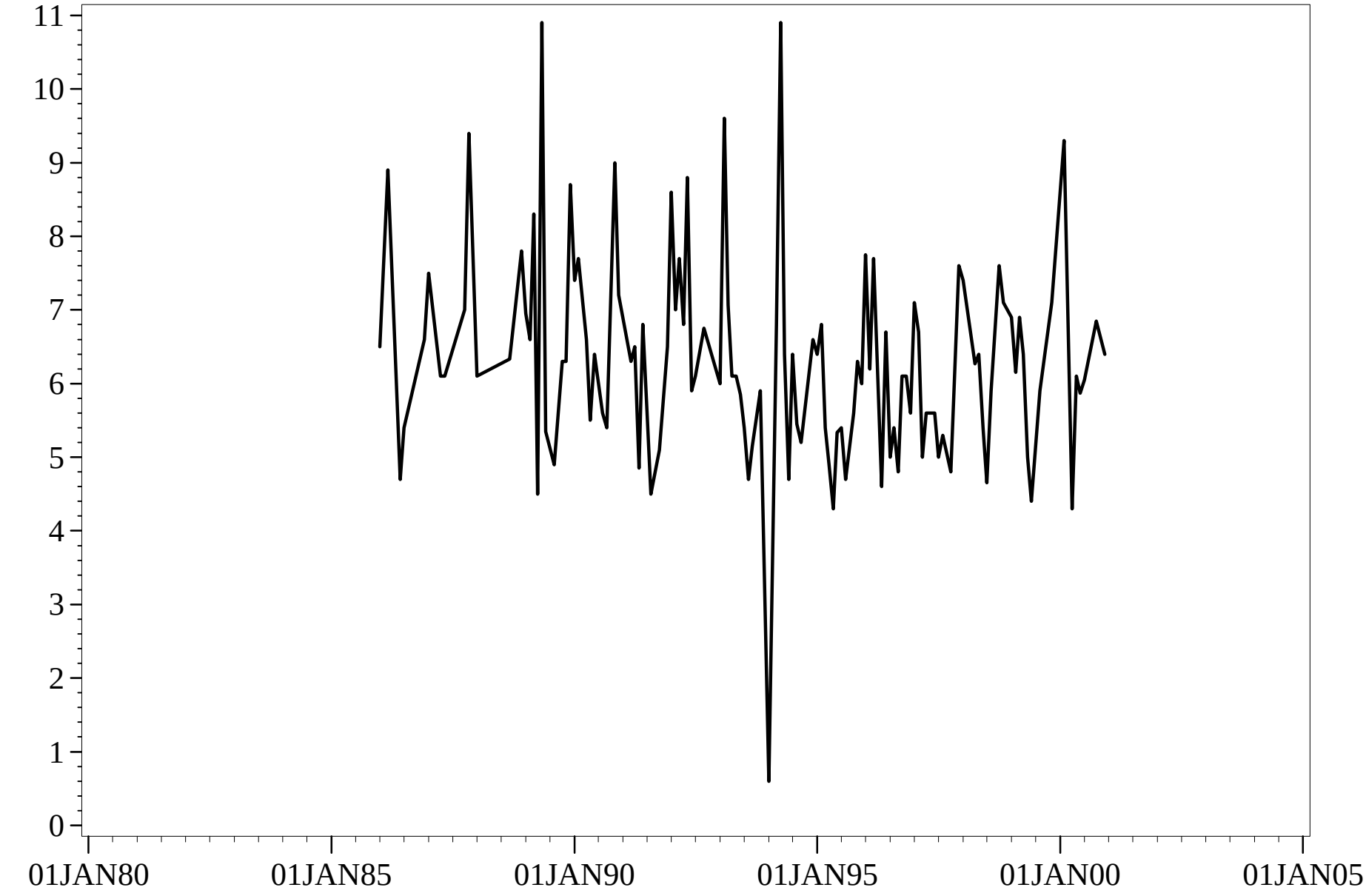
Lemon Bay Trends Appendix - Display 765
Correlogram for Surface Dissolved Oxygen at FDEP Station 56270SEAS

Adjusted for Seasonal Median and Detrended



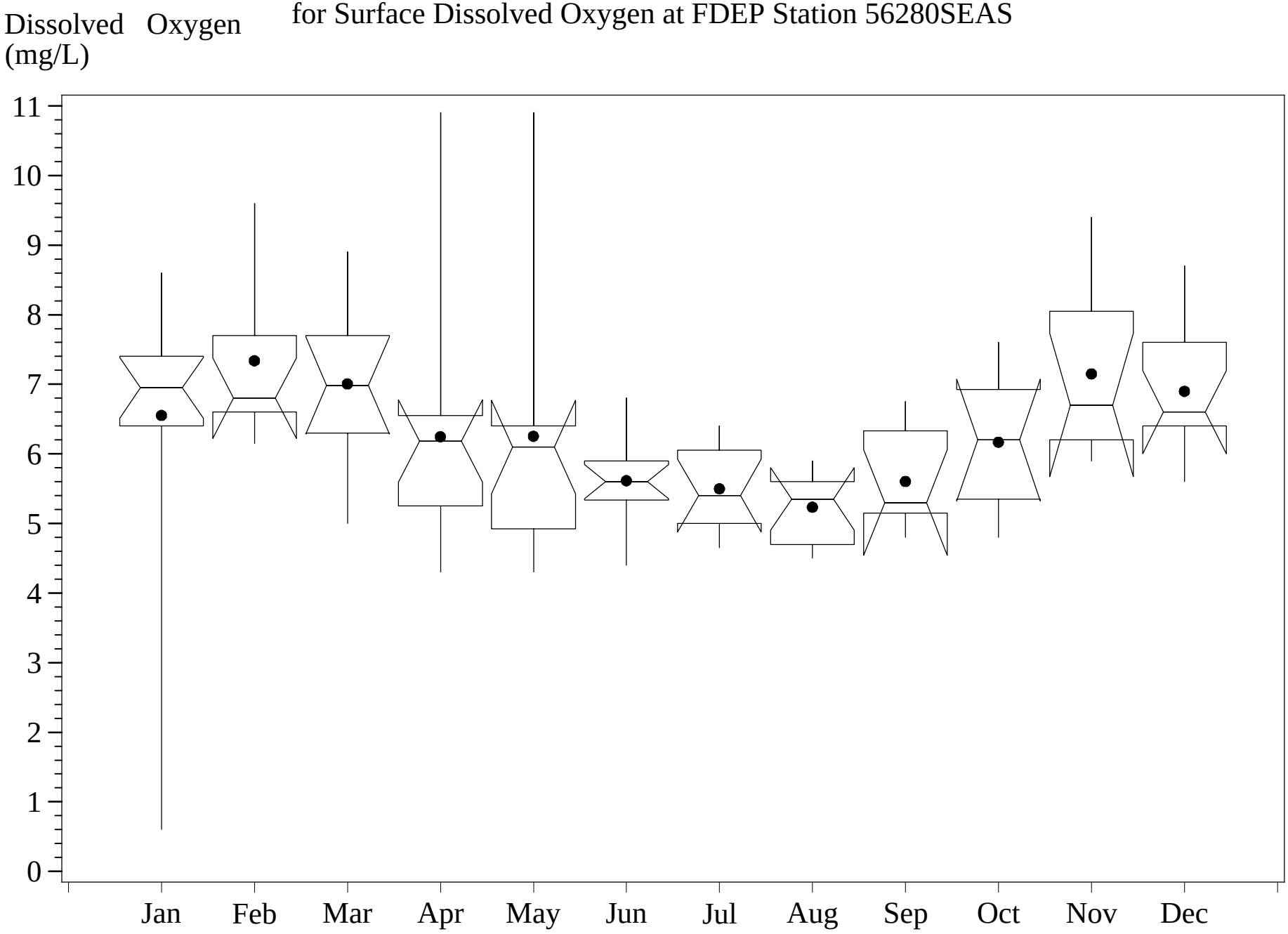
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 766
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56280SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 767

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56280SEAS



Lemon Bay Trends Appendix - Display 768

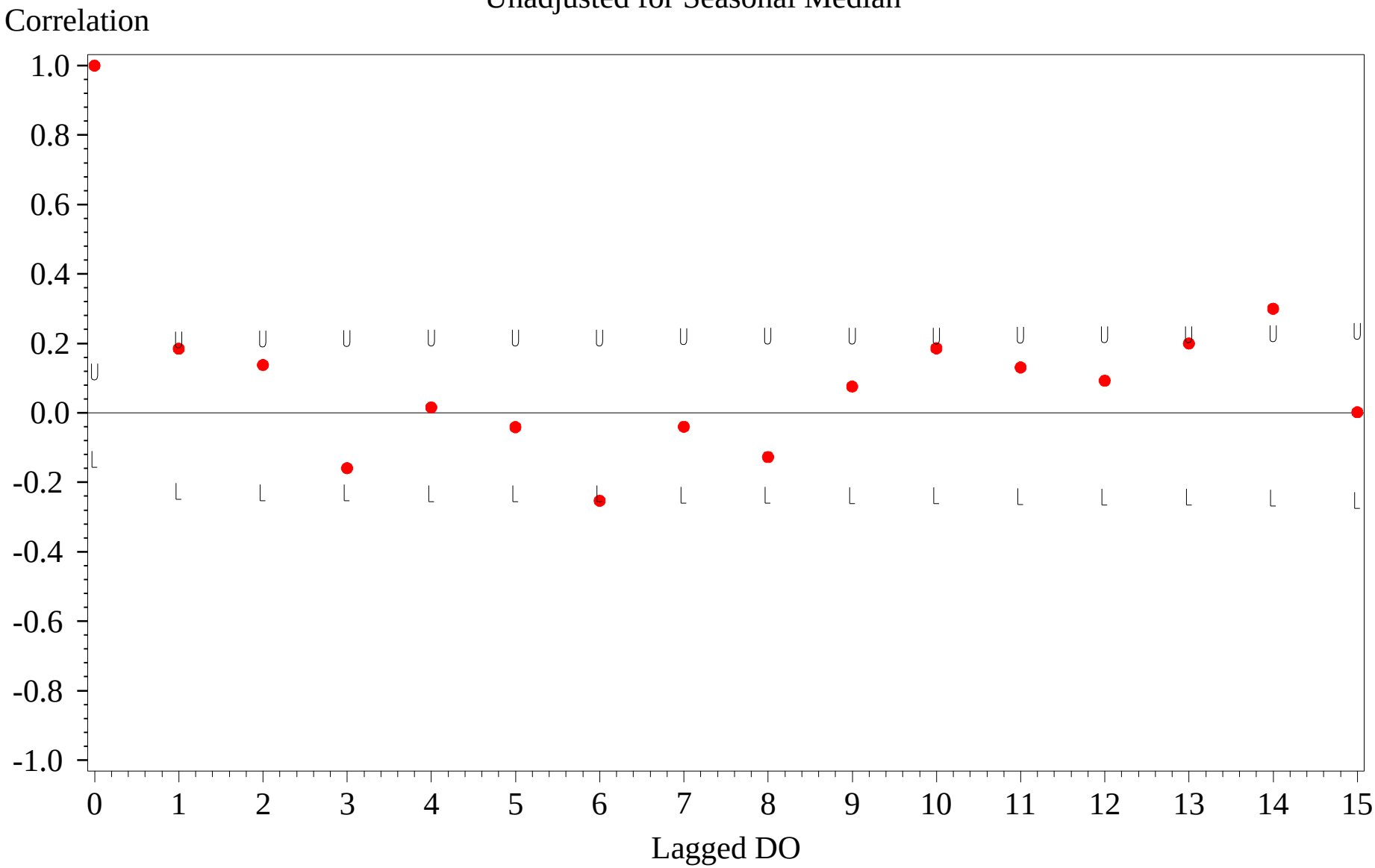
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56280SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	0.185	0.109	0.218	-0.218
2	0.138	0.110	0.221	-0.221
3	-0.159	0.111	0.222	-0.222
4	0.016	0.112	0.224	-0.224
5	-0.041	0.112	0.224	-0.224
6	-0.253	0.112	0.224	-0.224
7	-0.040	0.114	0.228	-0.228
8	-0.127	0.114	0.229	-0.229
9	0.076	0.115	0.230	-0.230
10	0.186	0.115	0.230	-0.230
11	0.131	0.116	0.232	-0.232
12	0.093	0.117	0.234	-0.234
13	0.200	0.117	0.234	-0.234
14	0.300	0.118	0.237	-0.237
15	0.002	0.121	0.243	-0.243

Lemon Bay Trends Appendix - Display 769
Correlogram for Surface Dissolved Oxygen at FDEP Station 56280SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 770

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56280SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.136	0.061	0.189	-0.04

Lemon Bay Trends Appendix - Display 771

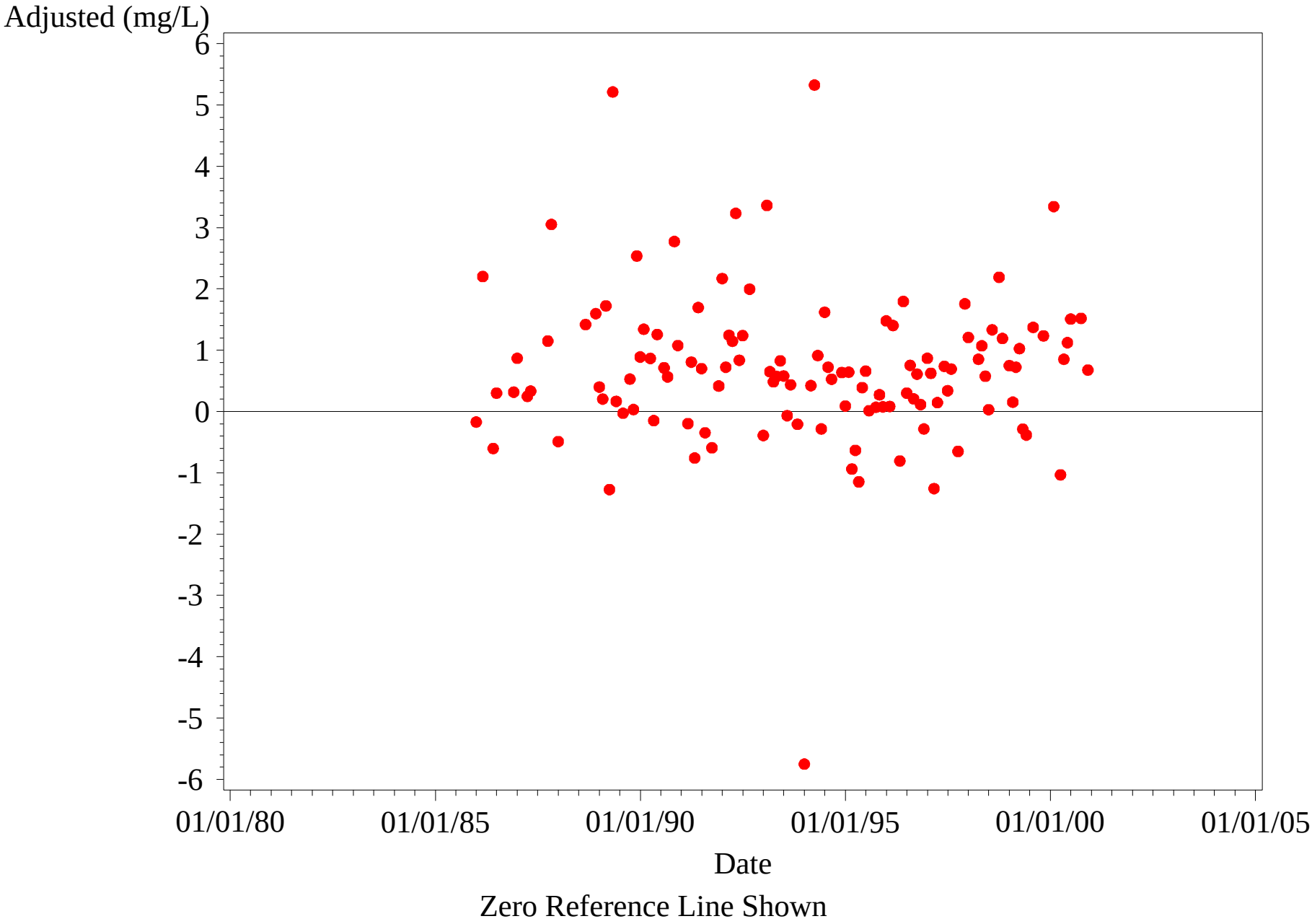
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56280SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.13565	0.061471	0.18881	-0.04

Lemon Bay Trends Appendix - Display 772

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56280SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 773

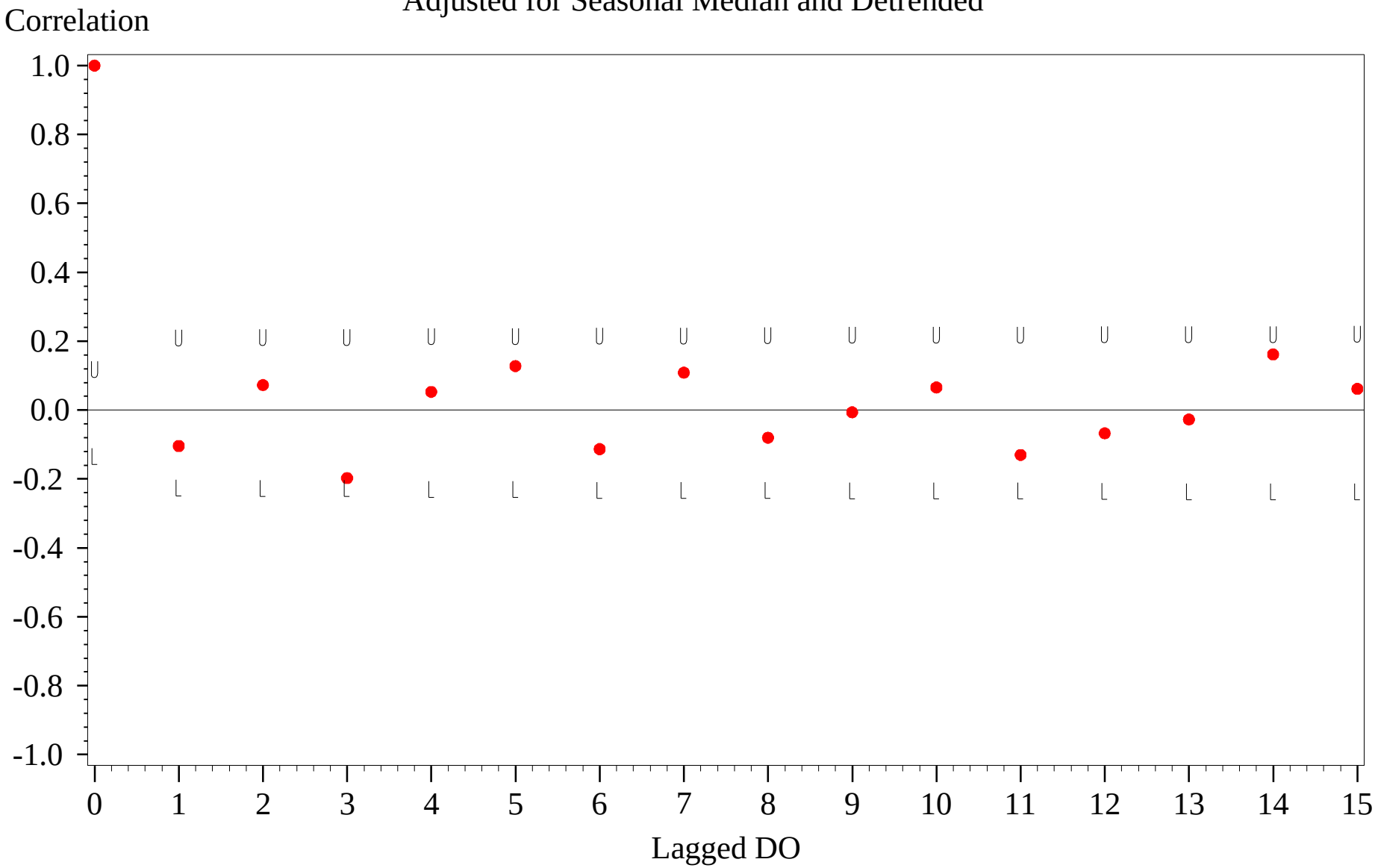
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56280SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.063	0.126	-0.126
1	-0.104	0.109	0.218	-0.218
2	0.073	0.110	0.219	-0.219
3	-0.197	0.110	0.219	-0.219
4	0.053	0.111	0.222	-0.222
5	0.128	0.111	0.222	-0.222
6	-0.113	0.112	0.224	-0.224
7	0.109	0.112	0.224	-0.224
8	-0.080	0.113	0.225	-0.225
9	-0.006	0.113	0.226	-0.226
10	0.066	0.113	0.226	-0.226
11	-0.130	0.113	0.226	-0.226
12	-0.067	0.114	0.227	-0.227
13	-0.027	0.114	0.228	-0.228
14	0.162	0.114	0.228	-0.228
15	0.062	0.115	0.229	-0.229

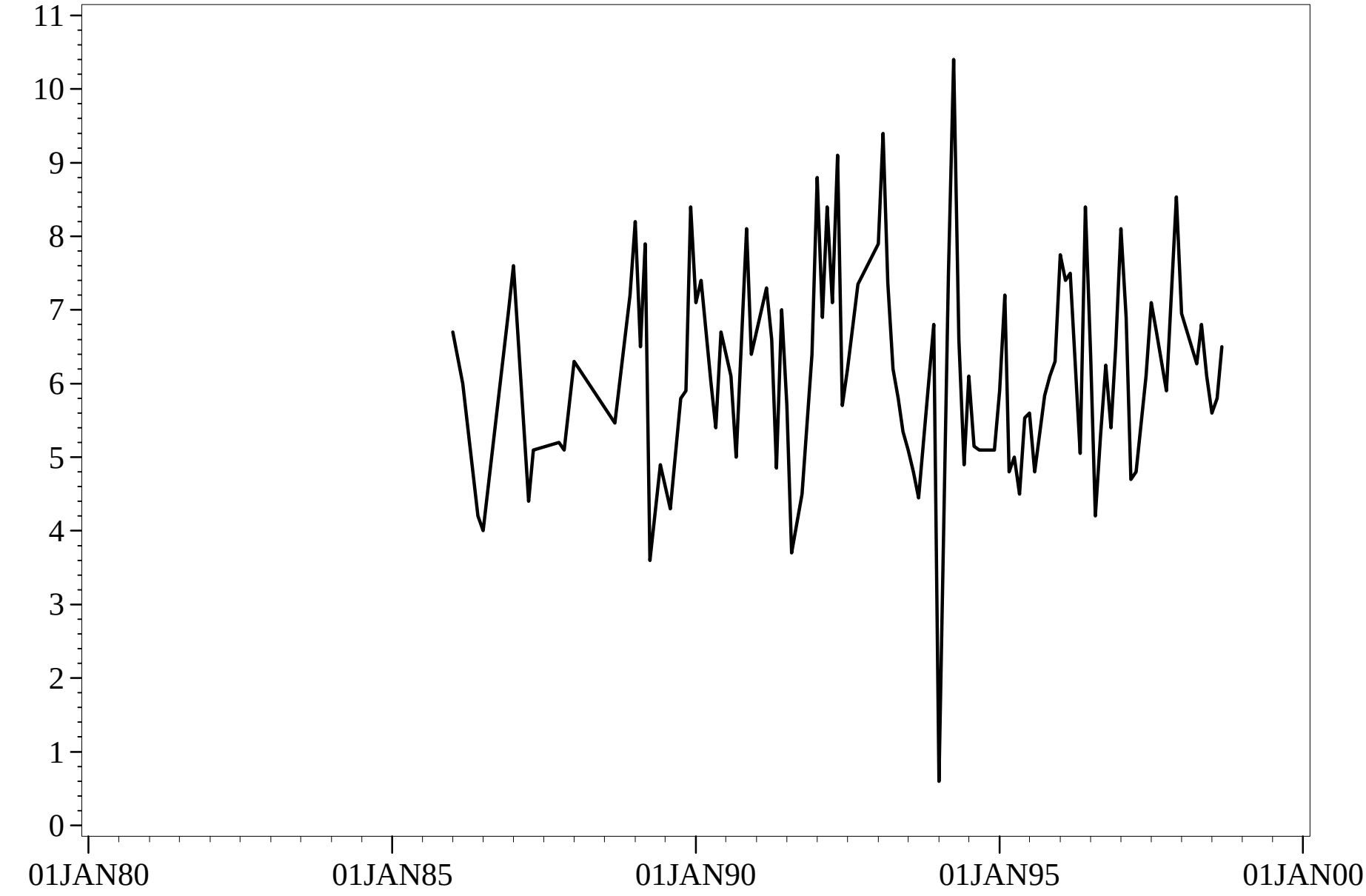
Lemon Bay Trends Appendix - Display 774
Correlogram for Surface Dissolved Oxygen at FDEP Station 56280SEAS

Adjusted for Seasonal Median and Detrended



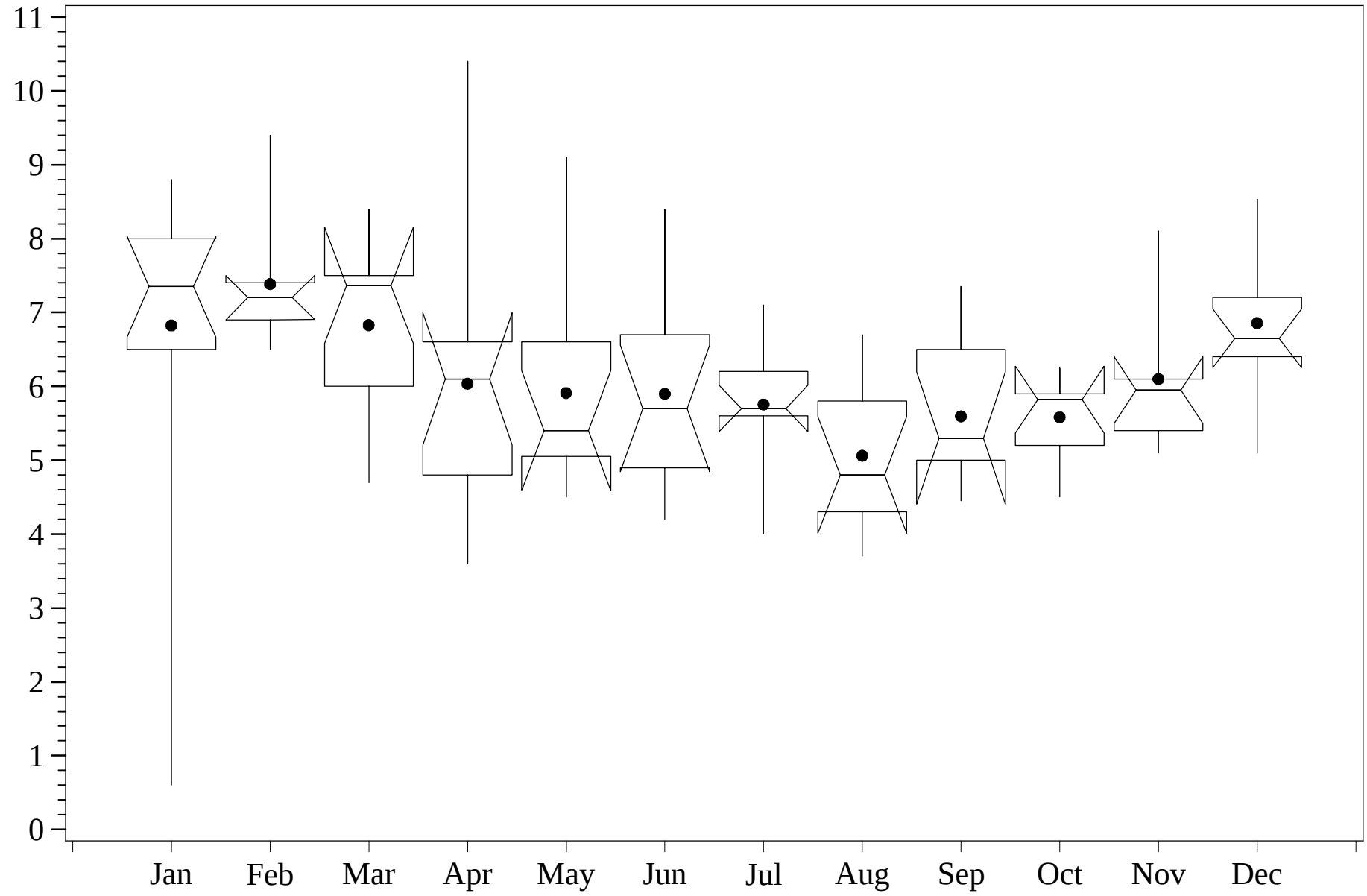
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 775
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 56290SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 776

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 56290SEAS



Lemon Bay Trends Appendix - Display 777

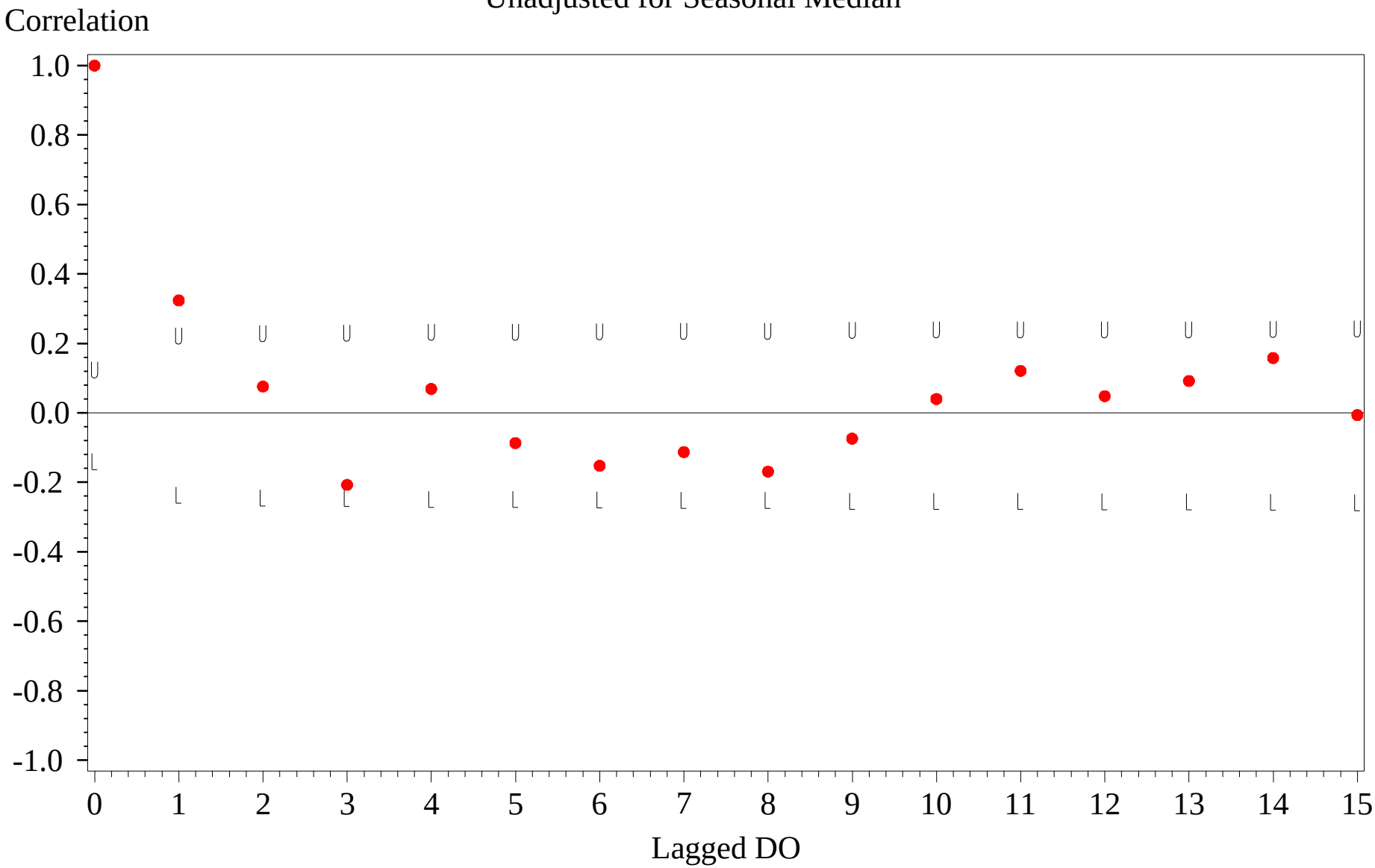
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56290SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.324	0.115	0.229	-0.229
2	0.076	0.119	0.237	-0.237
3	-0.207	0.119	0.238	-0.238
4	0.069	0.120	0.241	-0.241
5	-0.087	0.121	0.241	-0.241
6	-0.152	0.121	0.242	-0.242
7	-0.113	0.122	0.243	-0.243
8	-0.169	0.122	0.244	-0.244
9	-0.074	0.123	0.246	-0.246
10	0.040	0.123	0.247	-0.247
11	0.121	0.123	0.247	-0.247
12	0.048	0.124	0.248	-0.248
13	0.092	0.124	0.248	-0.248
14	0.158	0.124	0.249	-0.249
15	-0.006	0.125	0.250	-0.250

Lemon Bay Trends Appendix - Display 778
Correlogram for Surface Dissolved Oxygen at FDEP Station 56290SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 779

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56290SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.143	0.075	0.168	0.05

Lemon Bay Trends Appendix - Display 780

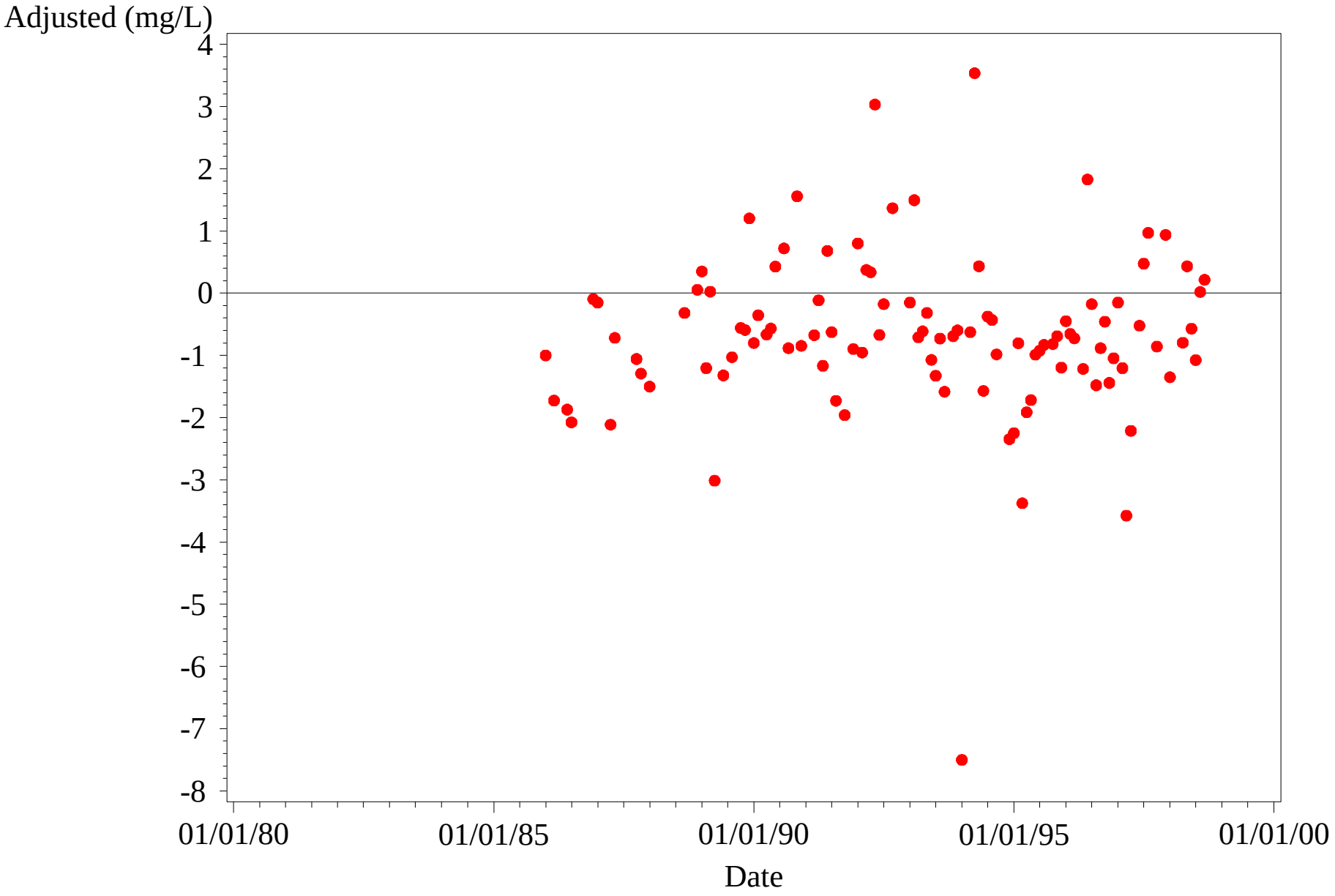
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 56290SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14286	0.074663	0.16826	0.05

Lemon Bay Trends Appendix - Display 781

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 56290SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 782

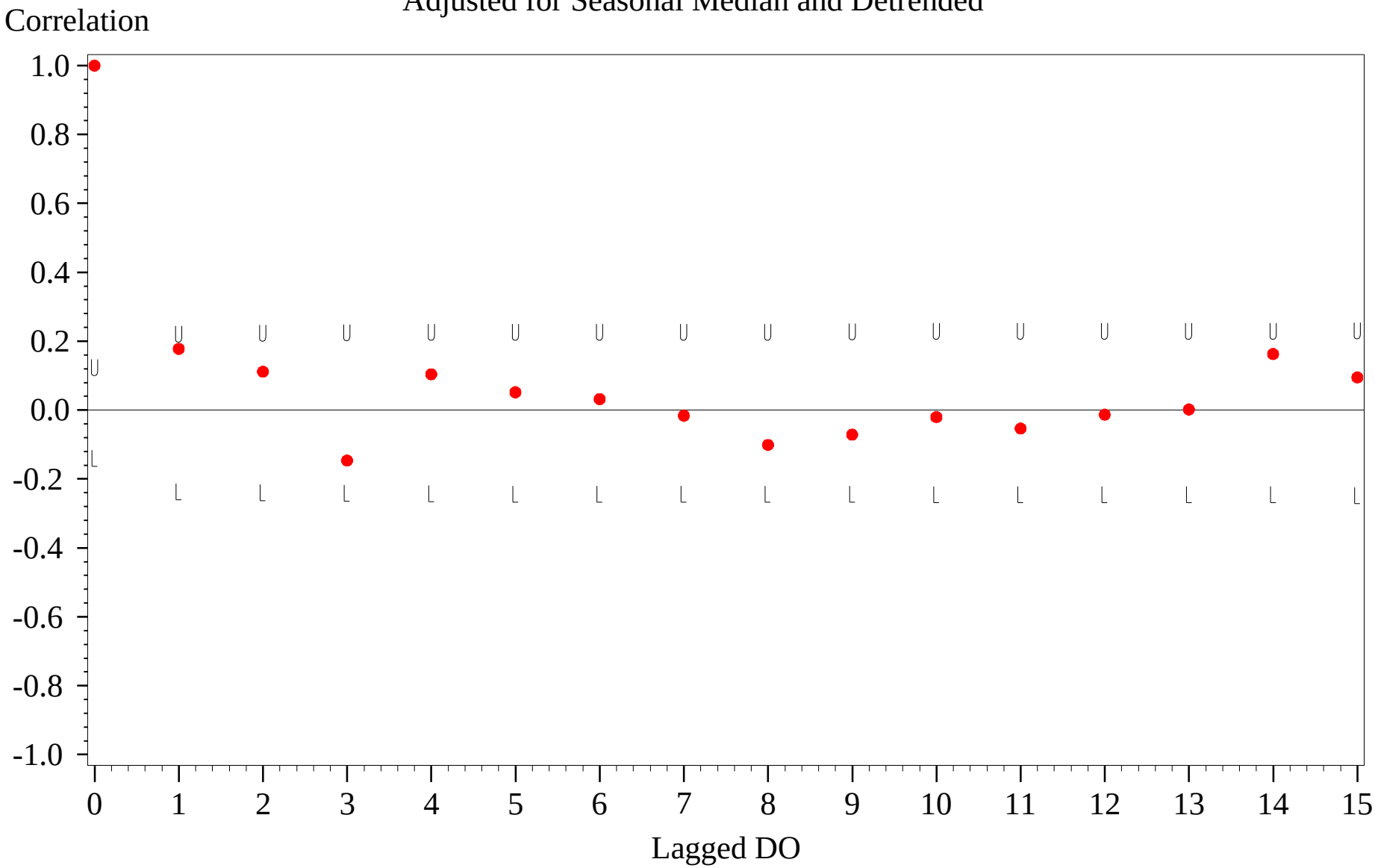
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 56290SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.178	0.115	0.229	-0.229
2	0.112	0.116	0.232	-0.232
3	-0.146	0.116	0.233	-0.233
4	0.104	0.117	0.234	-0.234
5	0.052	0.118	0.235	-0.235
6	0.032	0.118	0.235	-0.235
7	-0.016	0.118	0.235	-0.235
8	-0.101	0.118	0.235	-0.235
9	-0.071	0.118	0.236	-0.236
10	-0.020	0.118	0.237	-0.237
11	-0.053	0.118	0.237	-0.237
12	-0.013	0.118	0.237	-0.237
13	0.002	0.118	0.237	-0.237
14	0.163	0.118	0.237	-0.237
15	0.095	0.119	0.239	-0.239

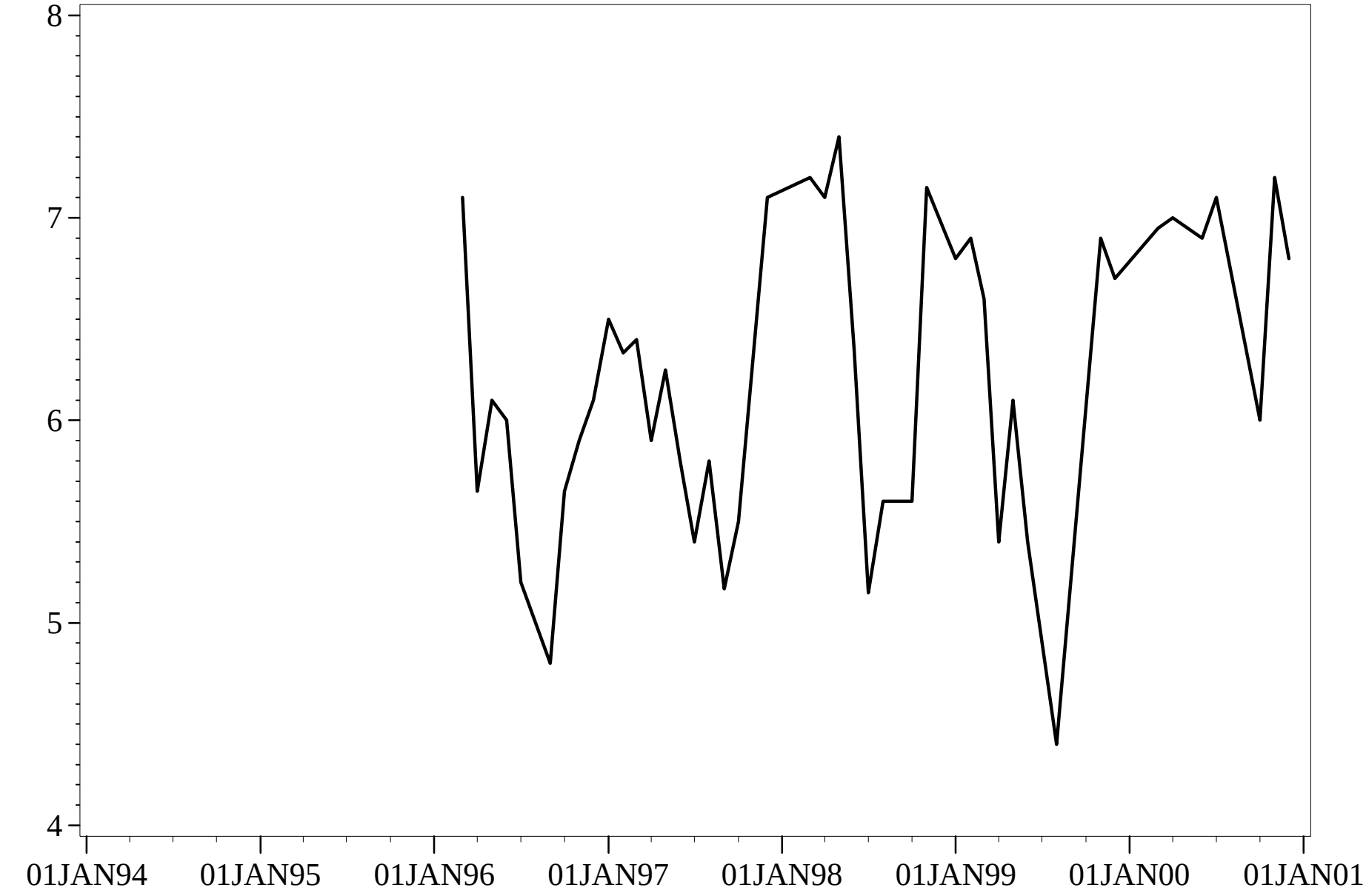
Lemon Bay Trends Appendix - Display 783
Correlogram for Surface Dissolved Oxygen at FDEP Station 56290SEAS

Adjusted for Seasonal Median and Detrended



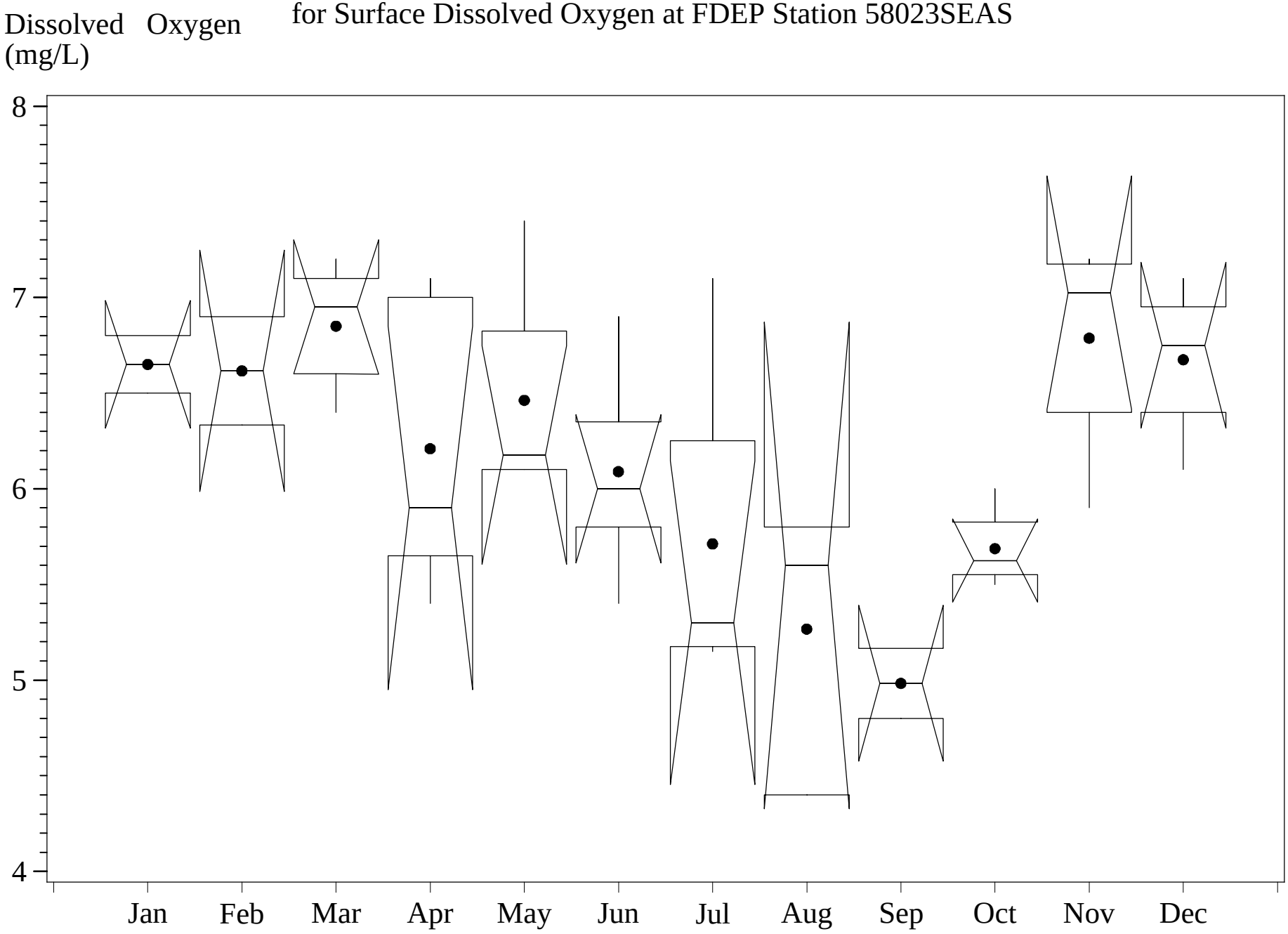
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 784
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 58023SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 785

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 58023SEAS



Lemon Bay Trends Appendix - Display 786

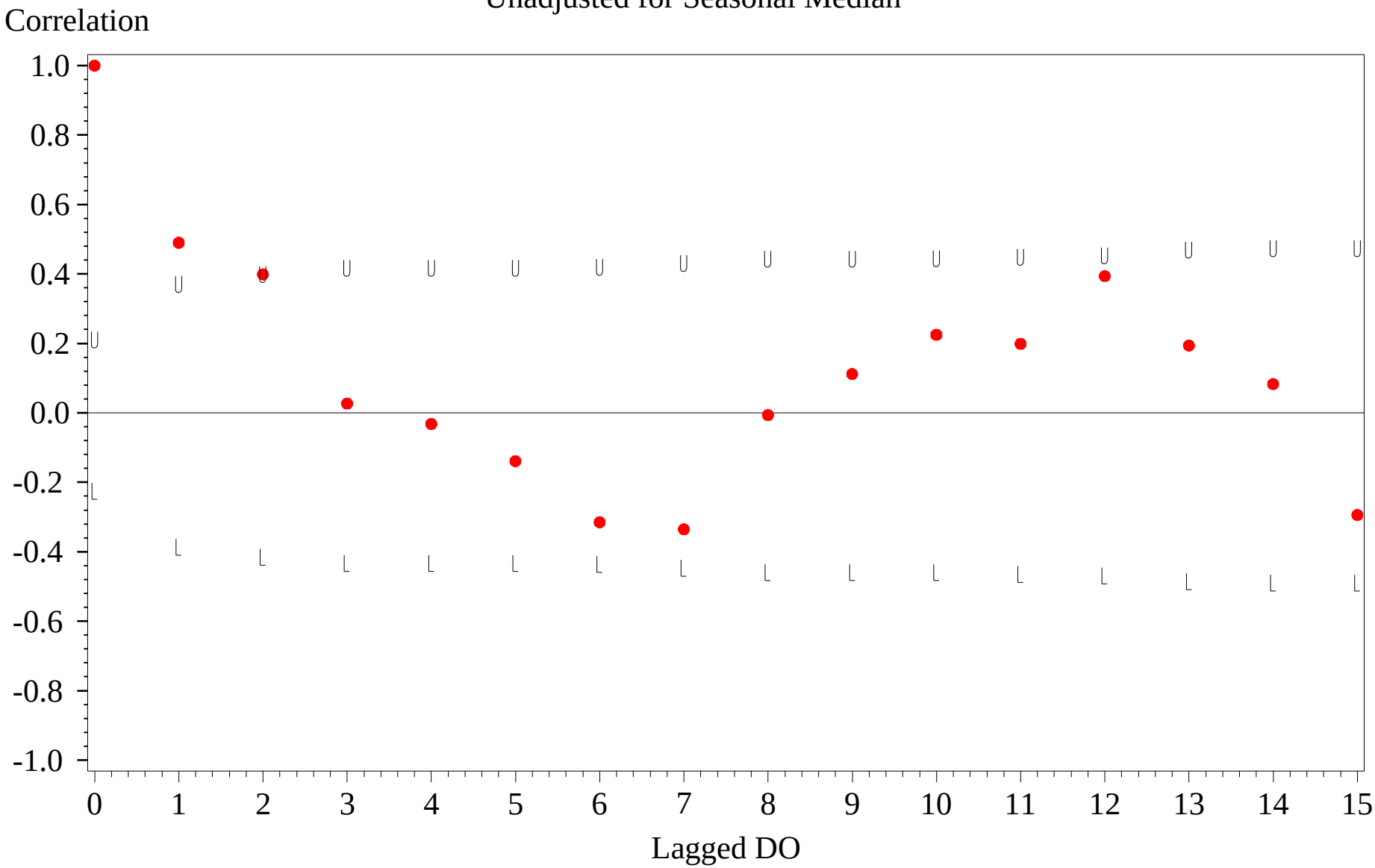
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58023SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.109	0.218	-0.218
1	0.490	0.189	0.378	-0.378
2	0.399	0.204	0.407	-0.407
3	0.027	0.213	0.425	-0.425
4	-0.032	0.213	0.425	-0.425
5	-0.139	0.213	0.425	-0.425
6	-0.315	0.214	0.428	-0.428
7	-0.335	0.219	0.439	-0.439
8	-0.006	0.225	0.451	-0.451
9	0.112	0.225	0.451	-0.451
10	0.225	0.226	0.452	-0.452
11	0.199	0.229	0.457	-0.457
12	0.394	0.231	0.461	-0.461
13	0.194	0.239	0.477	-0.477
14	0.083	0.240	0.481	-0.481
15	-0.294	0.241	0.481	-0.481

Lemon Bay Trends Appendix - Display 787
Correlogram for Surface Dissolved Oxygen at FDEP Station 58023SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 788

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58023SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.227	0.159	0.384	0.15

Lemon Bay Trends Appendix - Display 789

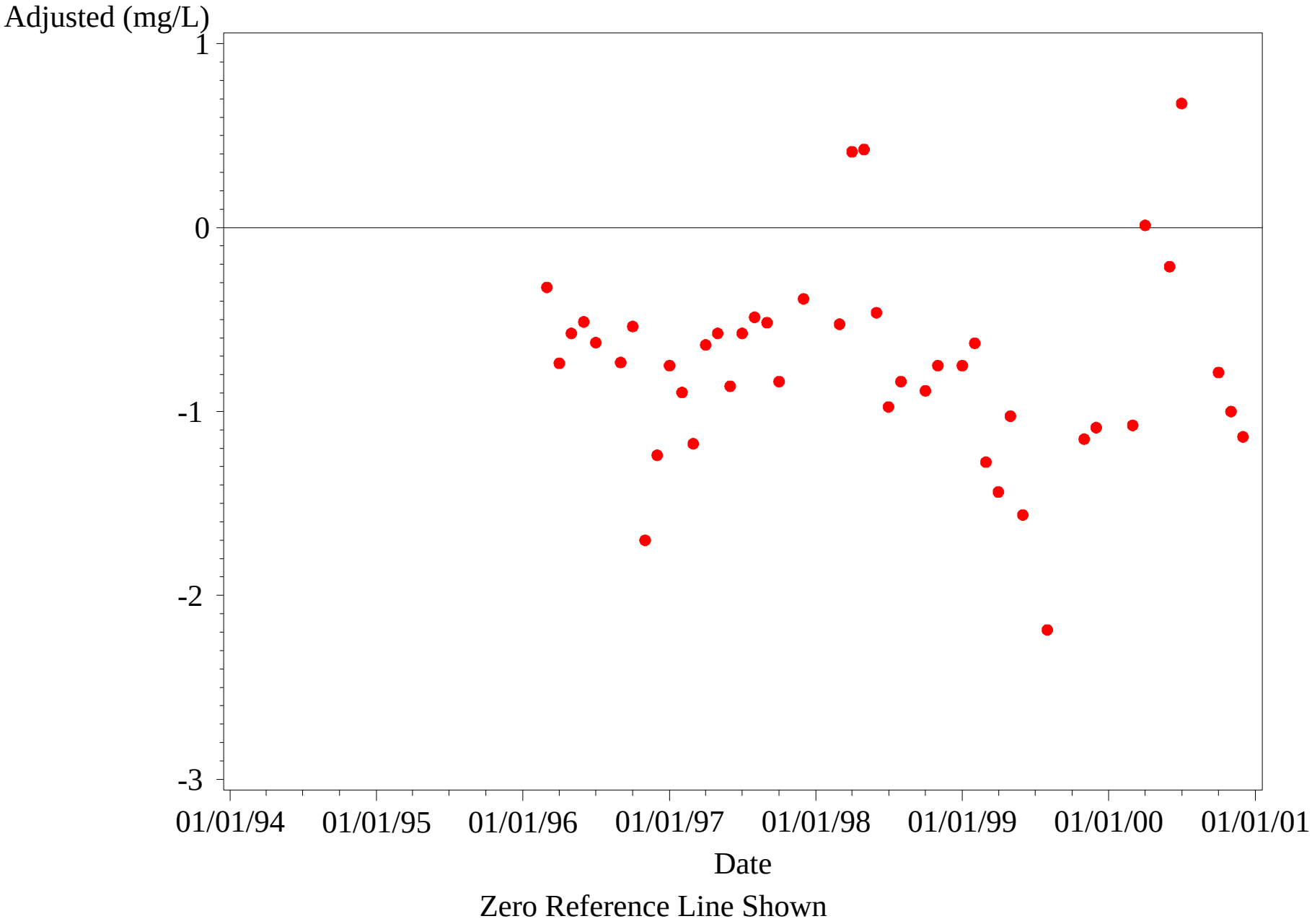
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58023SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.22727	0.15941	0.38373	0.15

Lemon Bay Trends Appendix - Display 790

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 58023SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 791

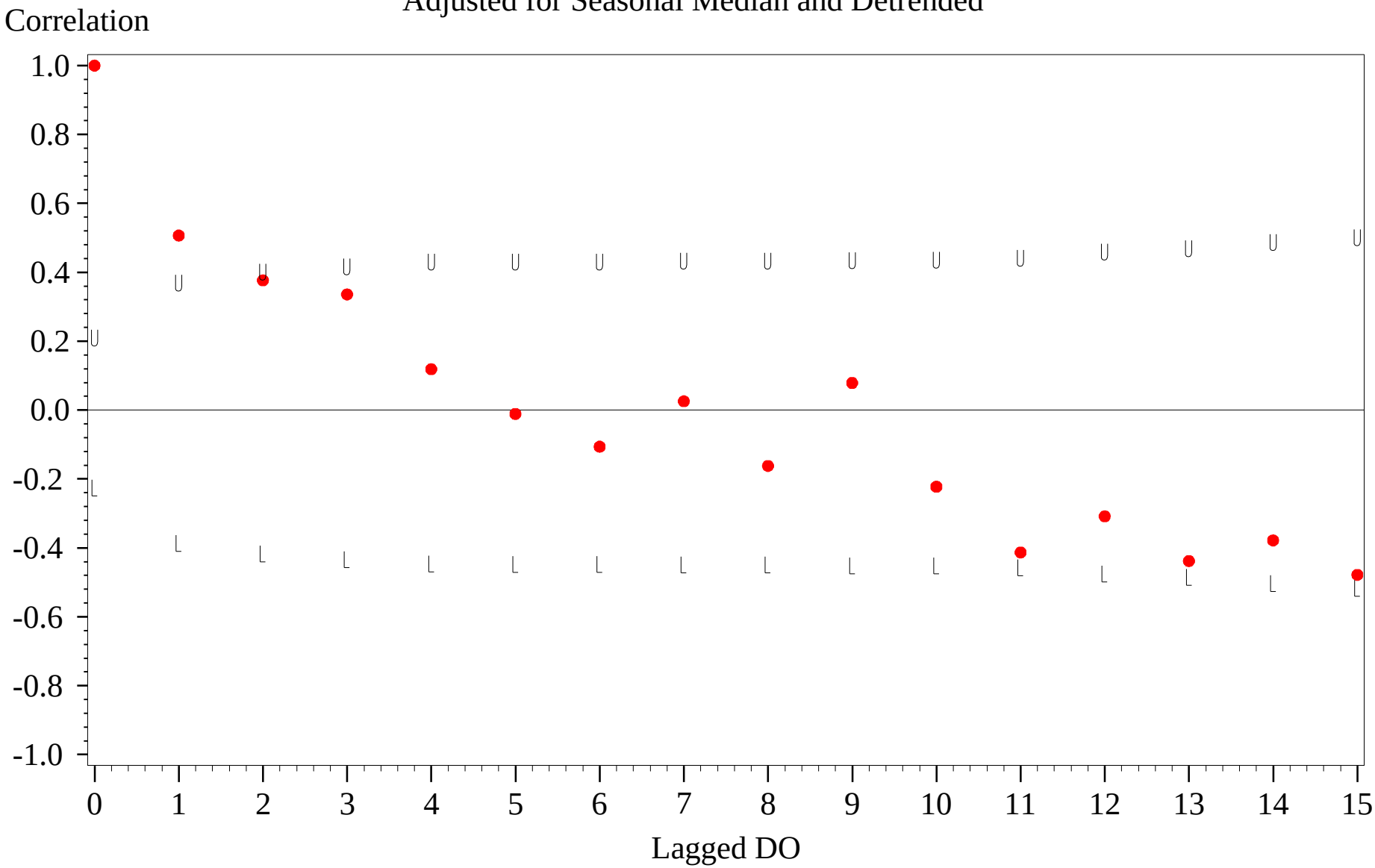
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58023SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.109	0.218	-0.218
1	0.507	0.189	0.378	-0.378
2	0.377	0.205	0.409	-0.409
3	0.336	0.213	0.425	-0.425
4	0.119	0.219	0.438	-0.438
5	-0.011	0.220	0.439	-0.439
6	-0.106	0.220	0.439	-0.439
7	0.026	0.220	0.441	-0.441
8	-0.162	0.220	0.441	-0.441
9	0.079	0.222	0.443	-0.443
10	-0.222	0.222	0.444	-0.444
11	-0.413	0.225	0.449	-0.449
12	-0.308	0.234	0.467	-0.467
13	-0.438	0.238	0.477	-0.477
14	-0.378	0.248	0.495	-0.495
15	-0.478	0.255	0.509	-0.509

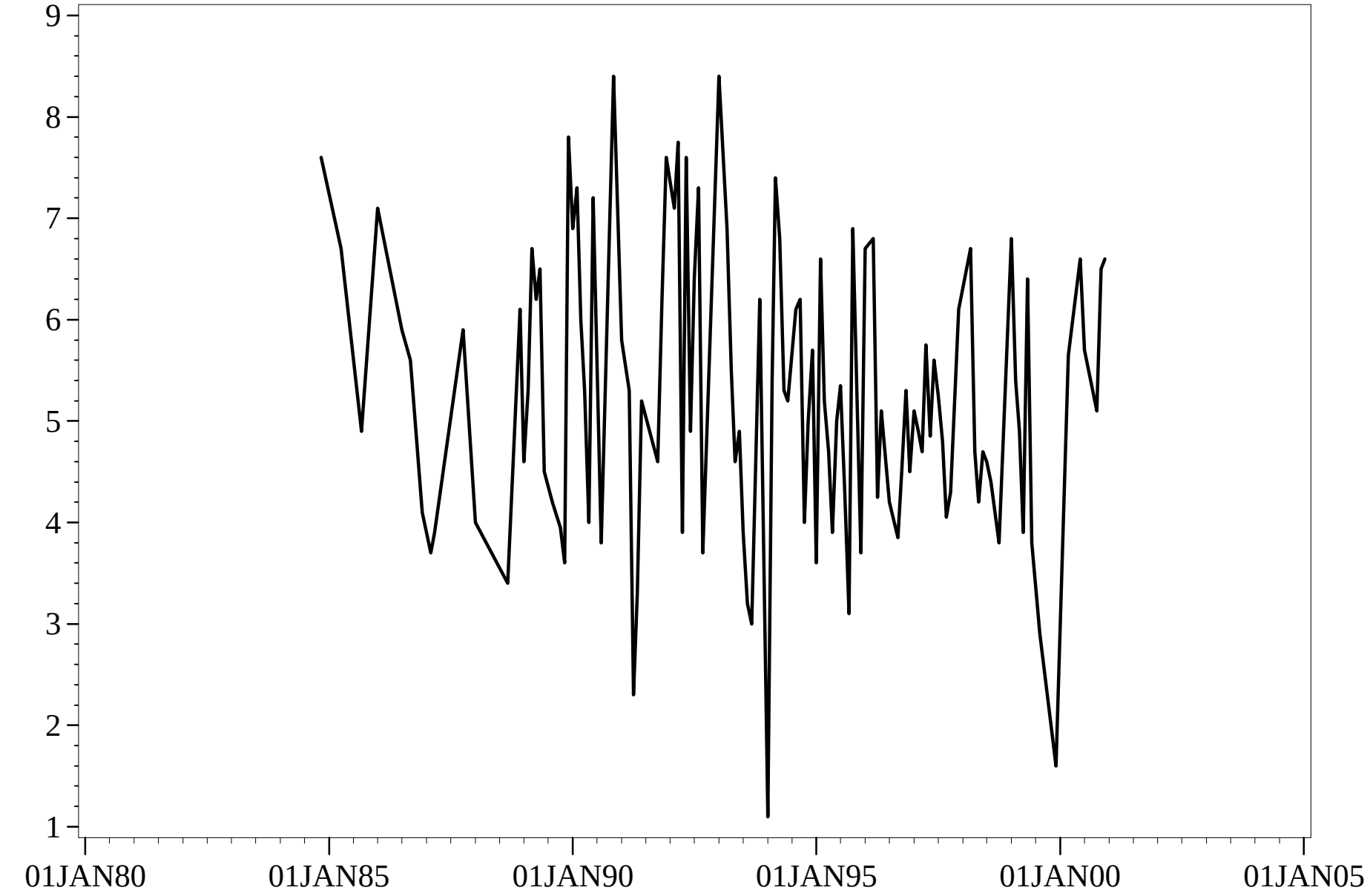
Lemon Bay Trends Appendix - Display 792
Correlogram for Surface Dissolved Oxygen at FDEP Station 58023SEAS

Adjusted for Seasonal Median and Detrended



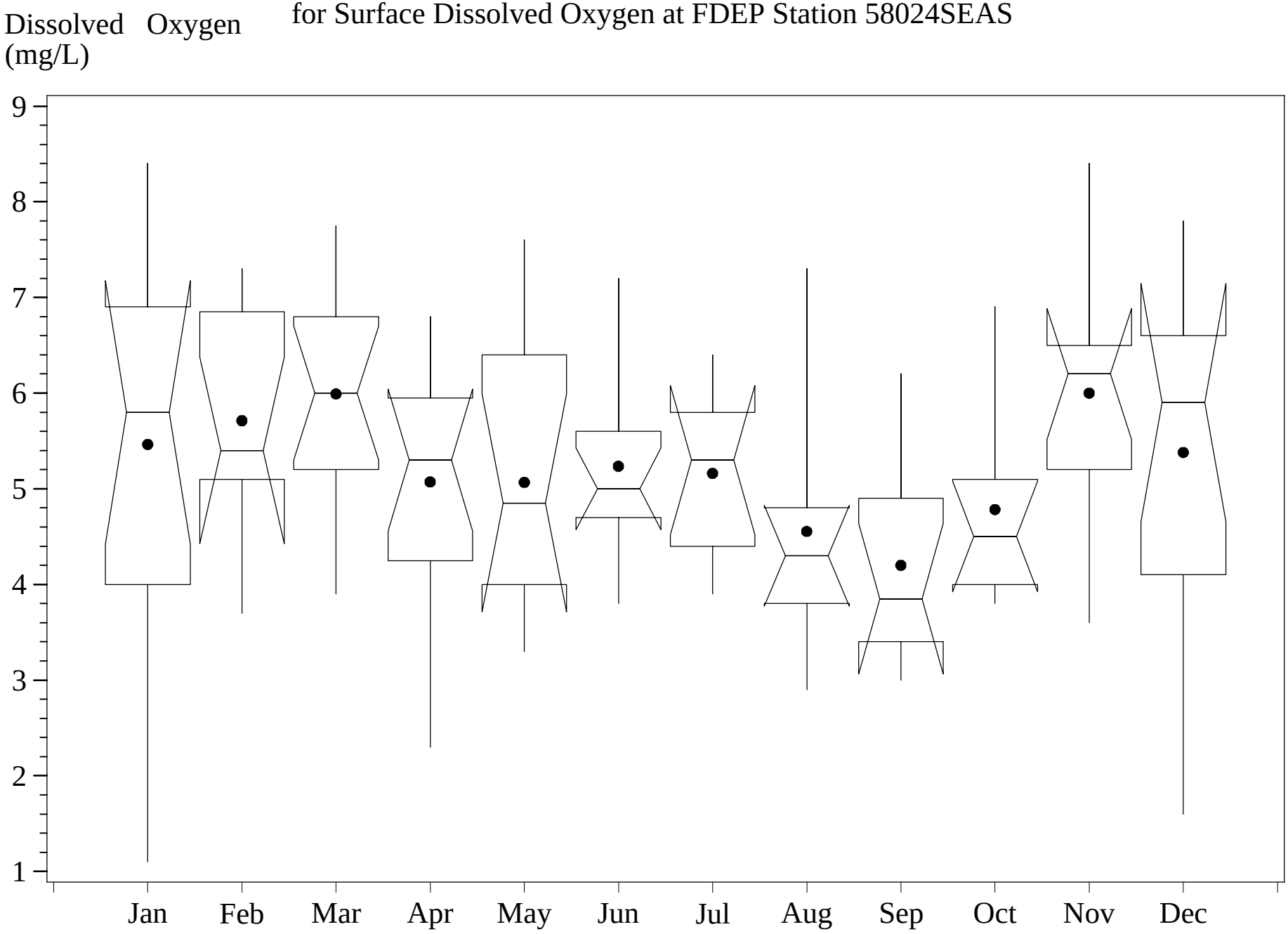
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 793
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 58024SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 794

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 58024SEAS



Lemon Bay Trends Appendix - Display 795

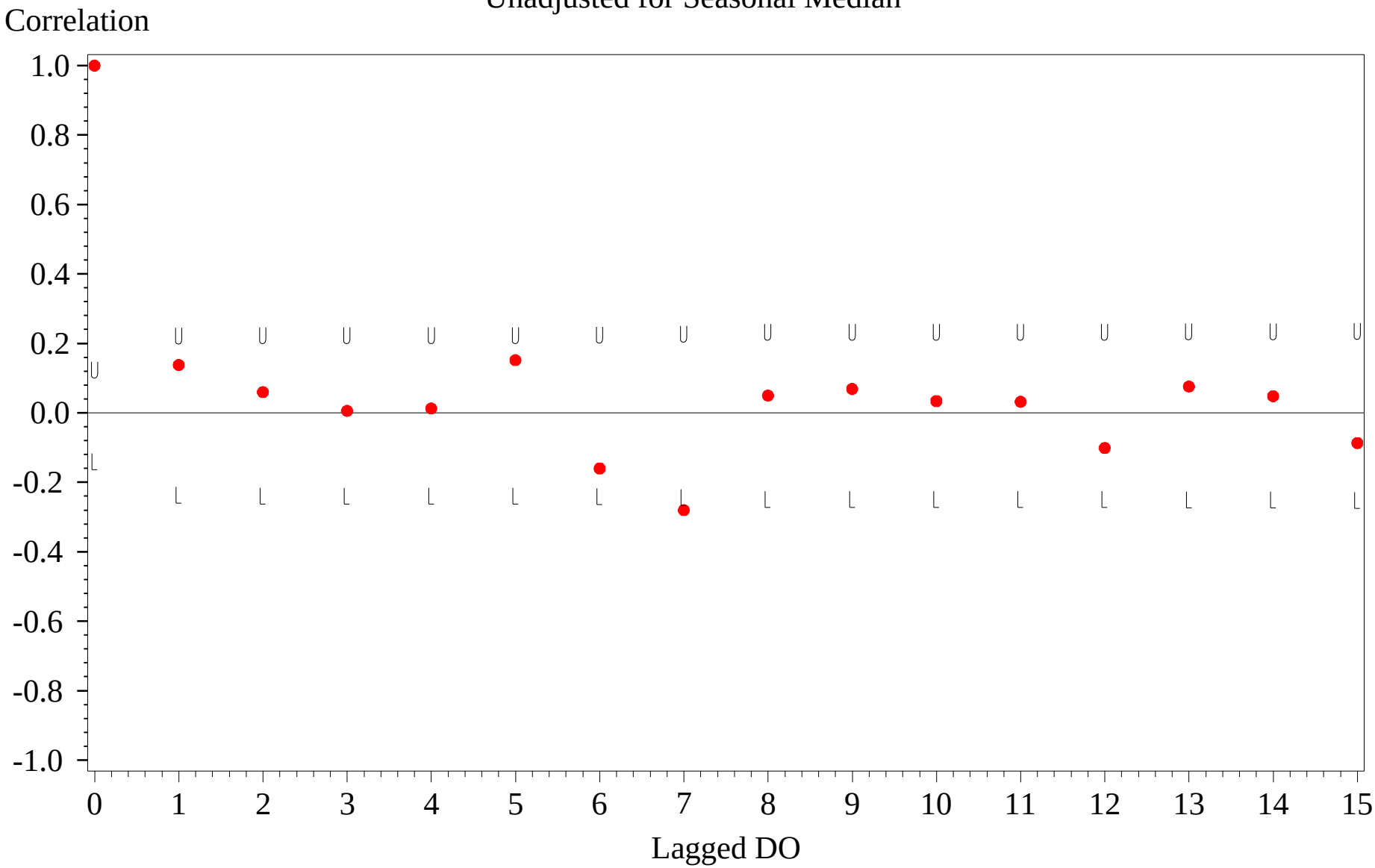
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58024SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.138	0.115	0.229	-0.229
2	0.060	0.115	0.231	-0.231
3	0.006	0.116	0.231	-0.231
4	0.013	0.116	0.231	-0.231
5	0.152	0.116	0.231	-0.231
6	-0.160	0.116	0.233	-0.233
7	-0.280	0.117	0.235	-0.235
8	0.050	0.120	0.241	-0.241
9	0.069	0.120	0.241	-0.241
10	0.034	0.121	0.241	-0.241
11	0.032	0.121	0.241	-0.241
12	-0.101	0.121	0.241	-0.241
13	0.076	0.121	0.242	-0.242
14	0.048	0.121	0.242	-0.242
15	-0.087	0.121	0.243	-0.243

Lemon Bay Trends Appendix - Display 796
Correlogram for Surface Dissolved Oxygen at FDEP Station 58024SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 797

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58024SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.071	0.337	0.403	-0.041

Lemon Bay Trends Appendix - Display 798

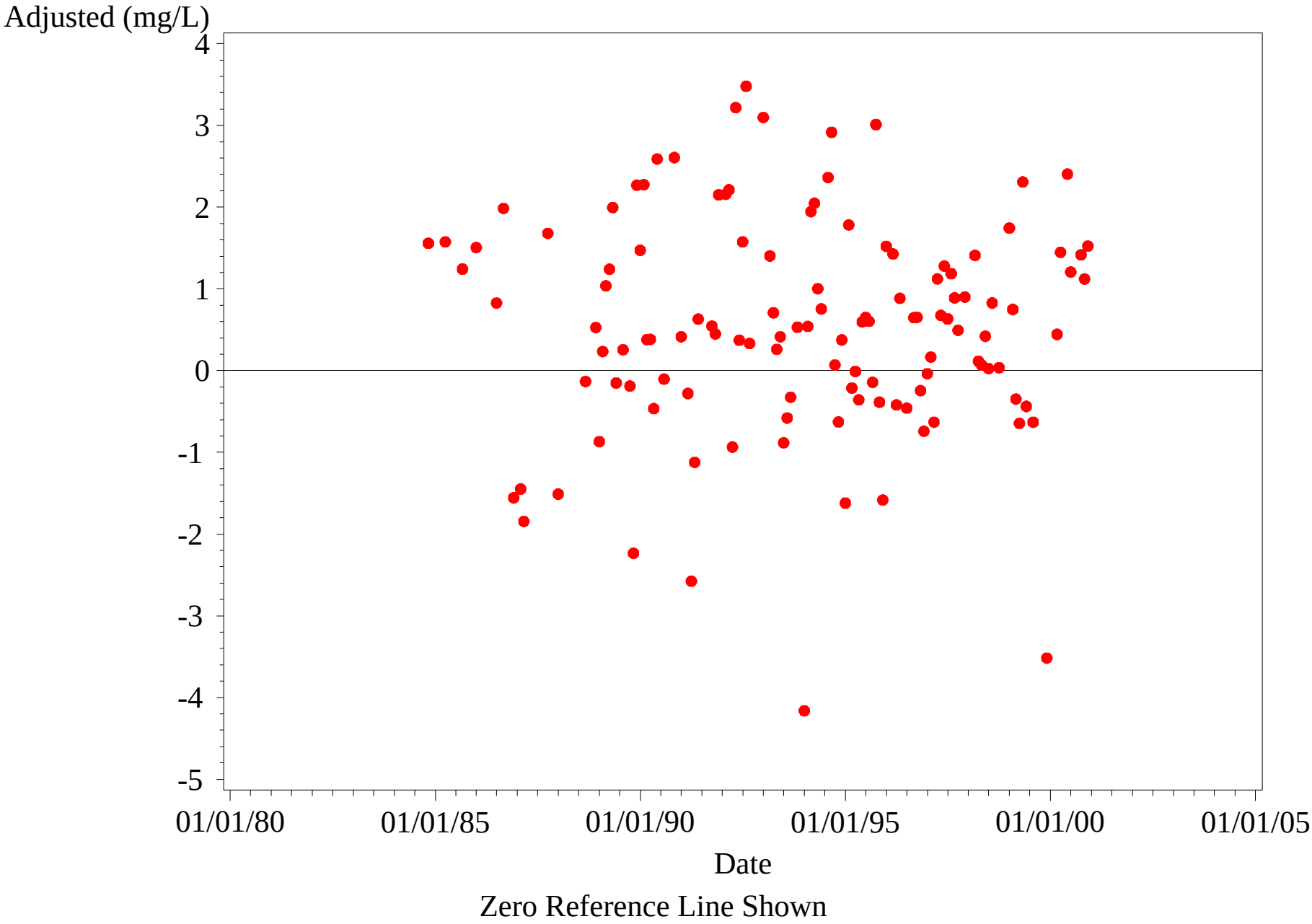
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58024SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.070671	0.33671	0.40255	-0.041429

Lemon Bay Trends Appendix - Display 799

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 58024SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 800

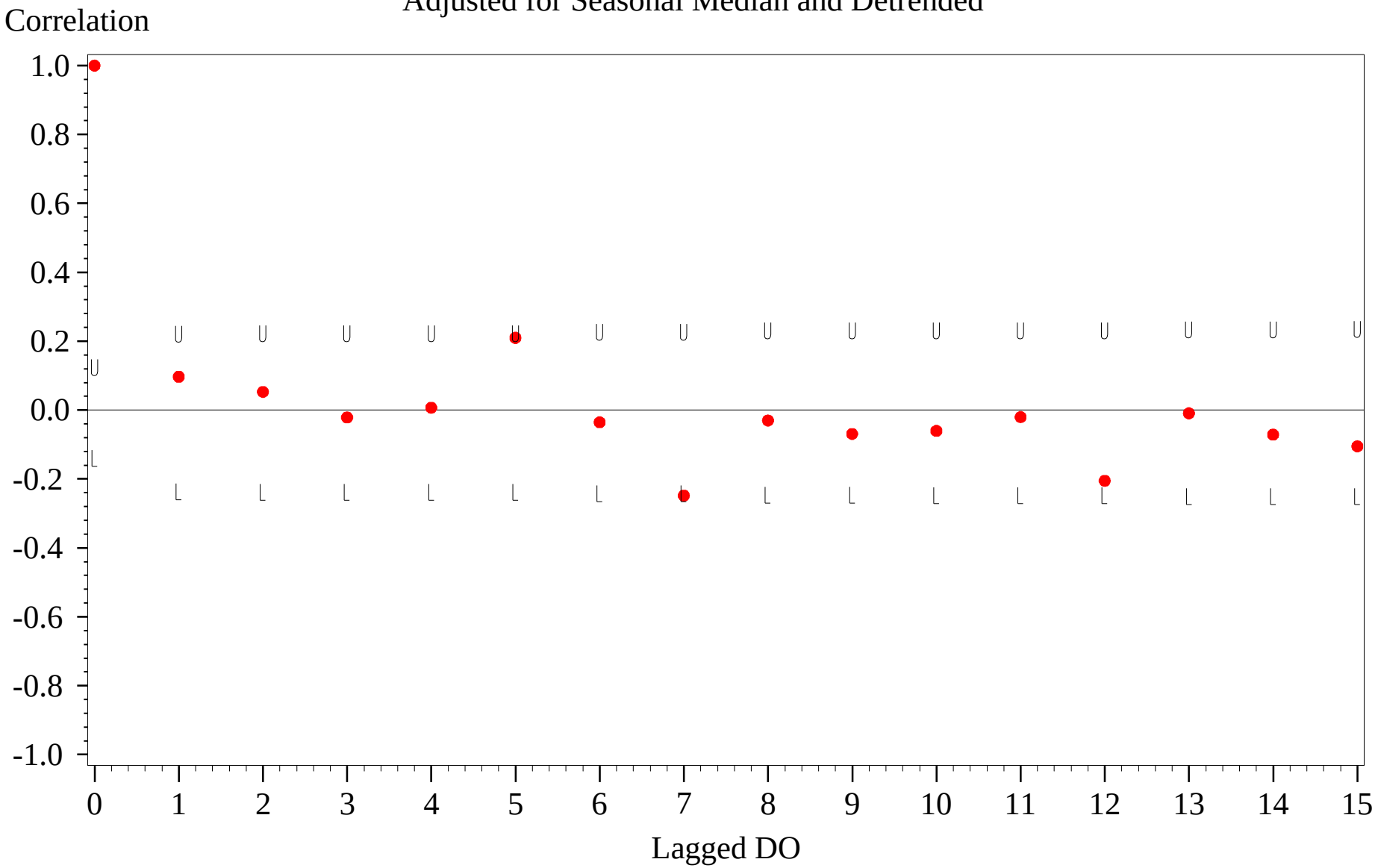
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58024SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.066	0.132	-0.132
1	0.097	0.115	0.229	-0.229
2	0.053	0.115	0.230	-0.230
3	-0.021	0.115	0.230	-0.230
4	0.007	0.115	0.230	-0.230
5	0.210	0.115	0.230	-0.230
6	-0.035	0.117	0.234	-0.234
7	-0.248	0.117	0.234	-0.234
8	-0.030	0.119	0.238	-0.238
9	-0.069	0.119	0.238	-0.238
10	-0.060	0.119	0.239	-0.239
11	-0.020	0.120	0.239	-0.239
12	-0.205	0.120	0.239	-0.239
13	-0.009	0.121	0.242	-0.242
14	-0.071	0.121	0.242	-0.242
15	-0.105	0.121	0.243	-0.243

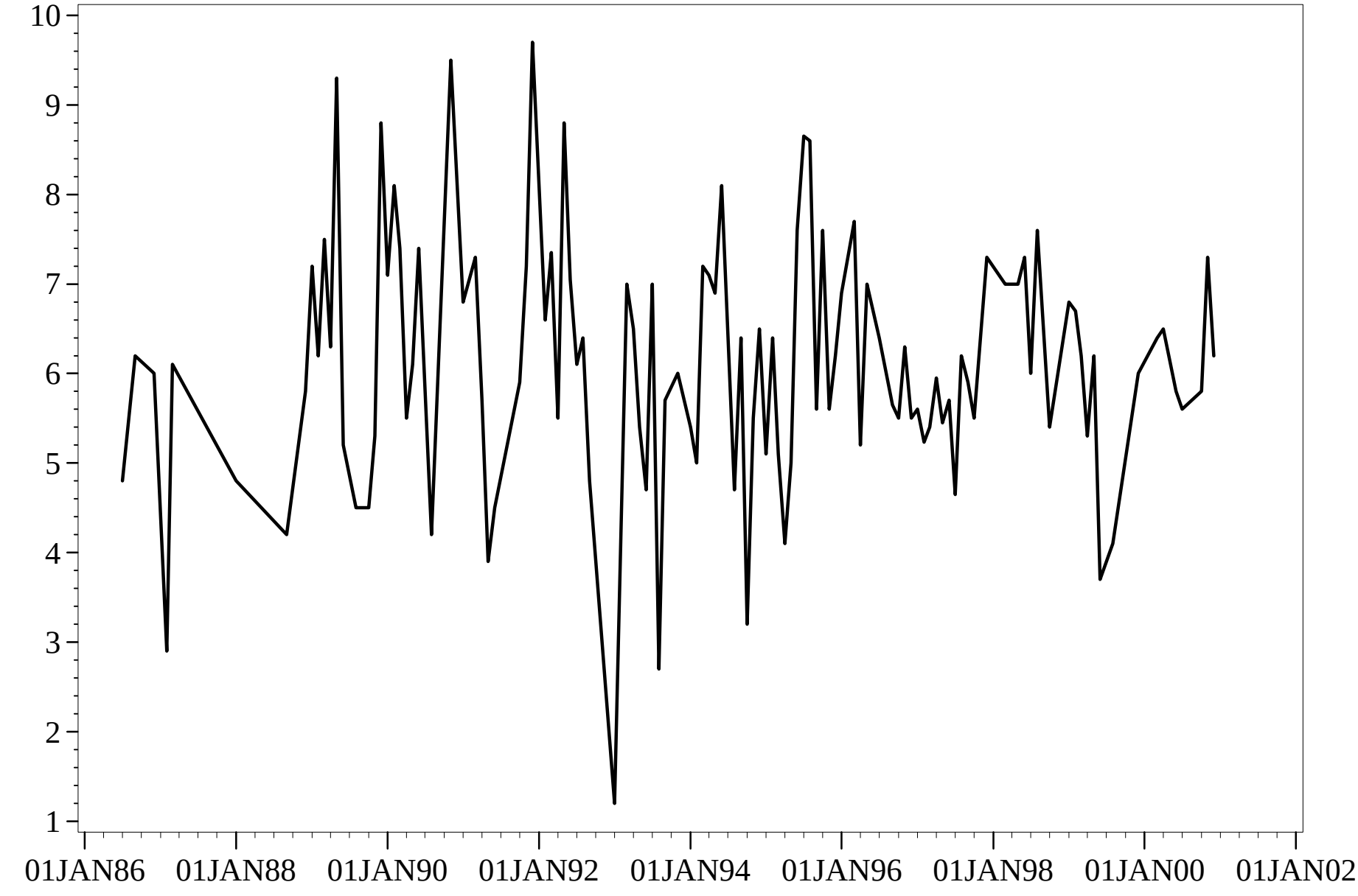
Lemon Bay Trends Appendix - Display 801
Correlogram for Surface Dissolved Oxygen at FDEP Station 58024SEAS

Adjusted for Seasonal Median and Detrended



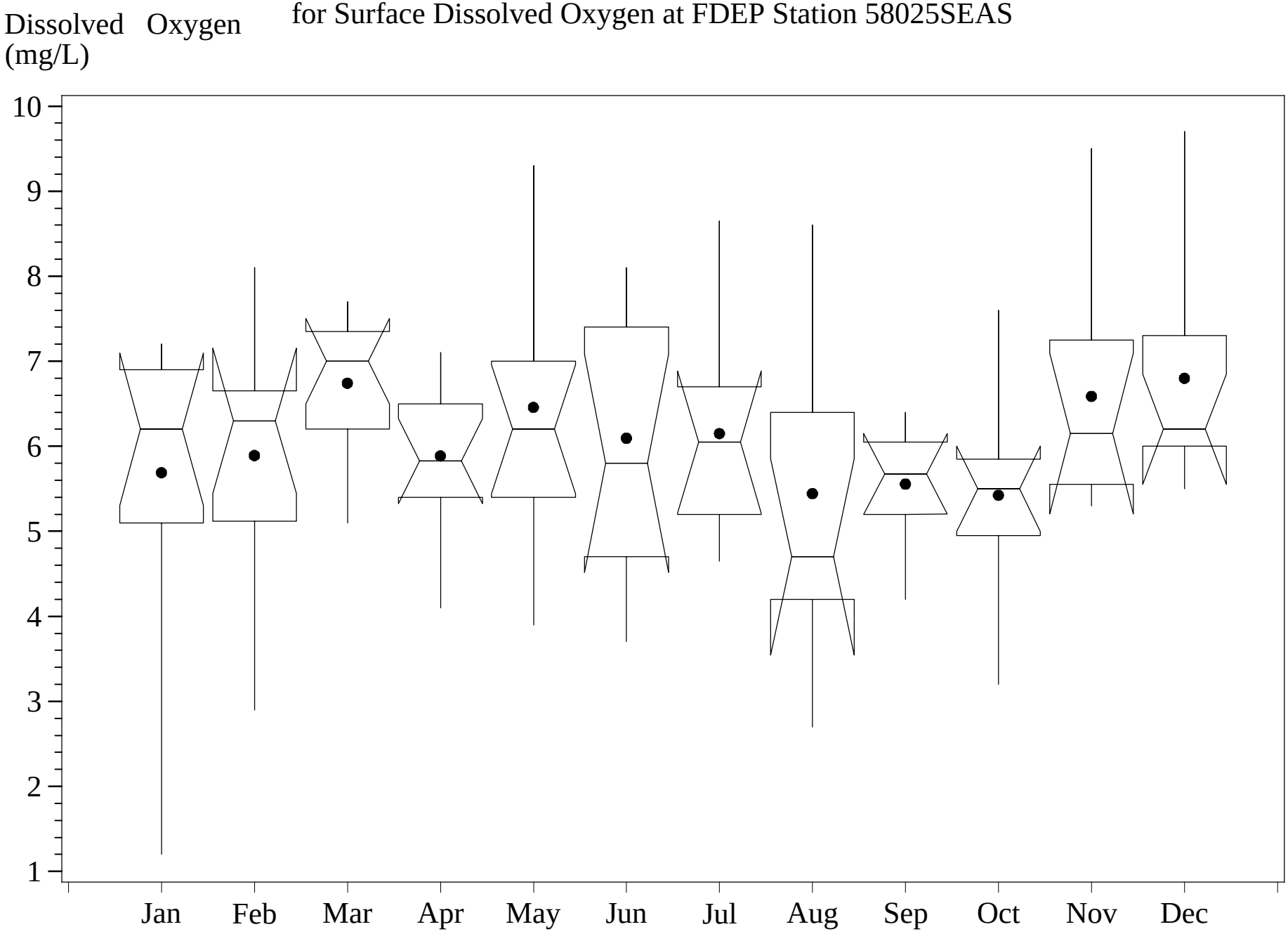
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 802
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 58025SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 803

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 58025SEAS



Lemon Bay Trends Appendix - Display 804

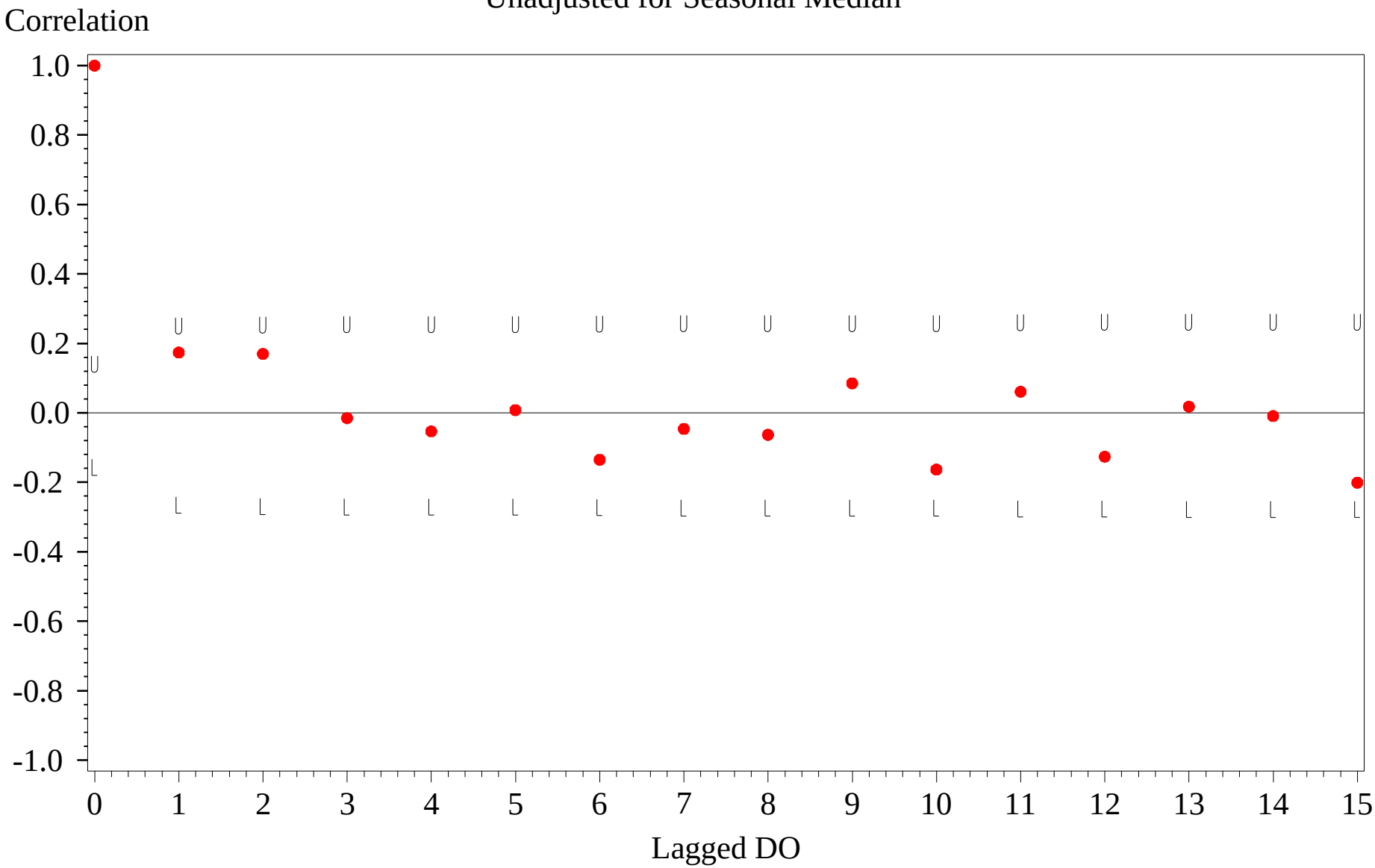
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58025SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.075	0.149	-0.149
1	0.174	0.129	0.258	-0.258
2	0.170	0.130	0.261	-0.261
3	-0.015	0.132	0.263	-0.263
4	-0.053	0.132	0.263	-0.263
5	0.008	0.132	0.263	-0.263
6	-0.135	0.132	0.264	-0.264
7	-0.046	0.133	0.265	-0.265
8	-0.063	0.133	0.265	-0.265
9	0.085	0.133	0.266	-0.266
10	-0.163	0.133	0.266	-0.266
11	0.061	0.134	0.268	-0.268
12	-0.126	0.134	0.269	-0.269
13	0.018	0.135	0.270	-0.270
14	-0.009	0.135	0.270	-0.270
15	-0.201	0.135	0.270	-0.270

Lemon Bay Trends Appendix - Display 805
Correlogram for Surface Dissolved Oxygen at FDEP Station 58025SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 806

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58025SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.012	0.896	0.898	0

Lemon Bay Trends Appendix - Display 807

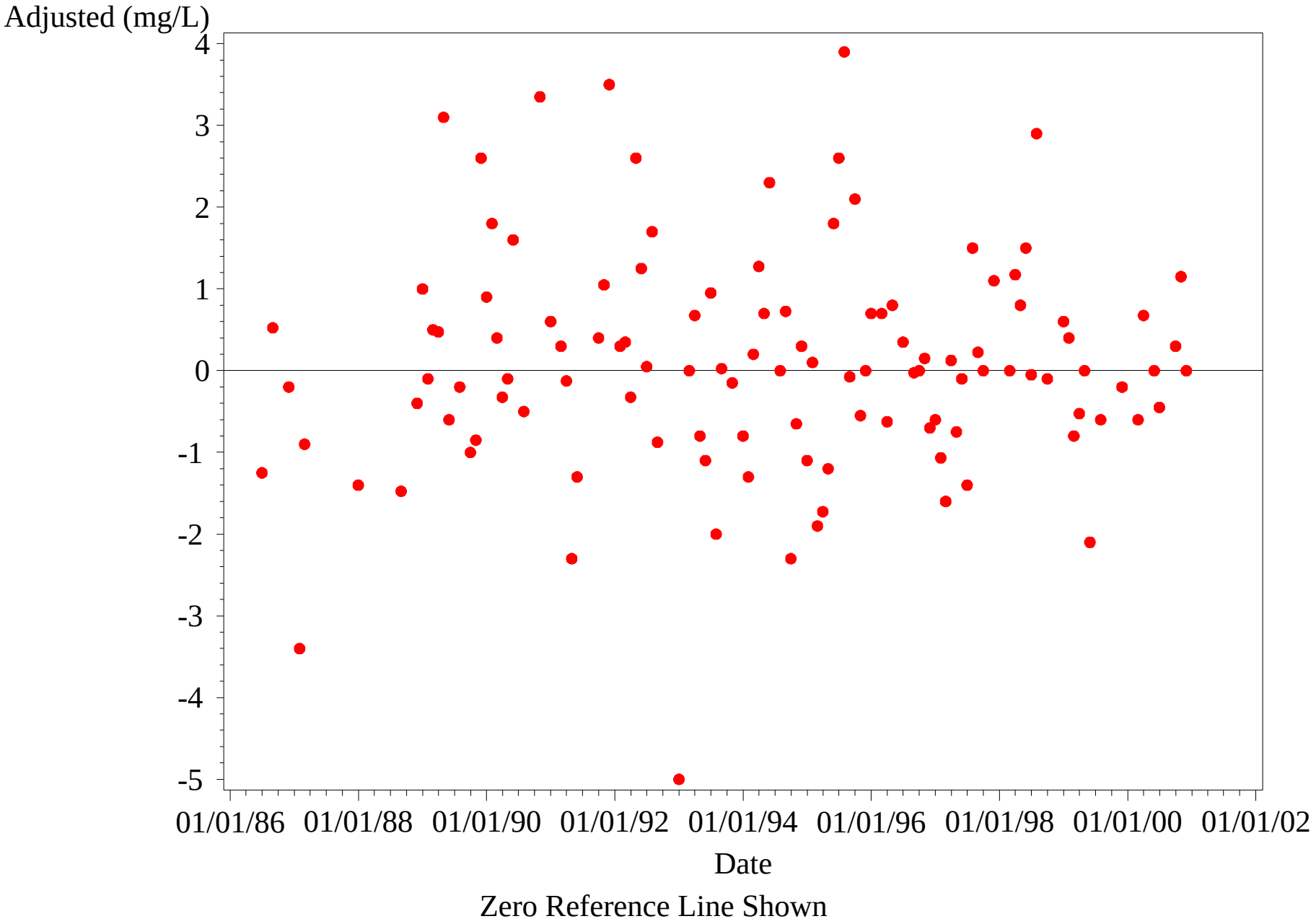
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58025SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.011539	0.89631	0.89804	0

Lemon Bay Trends Appendix - Display 808

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 58025SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 809

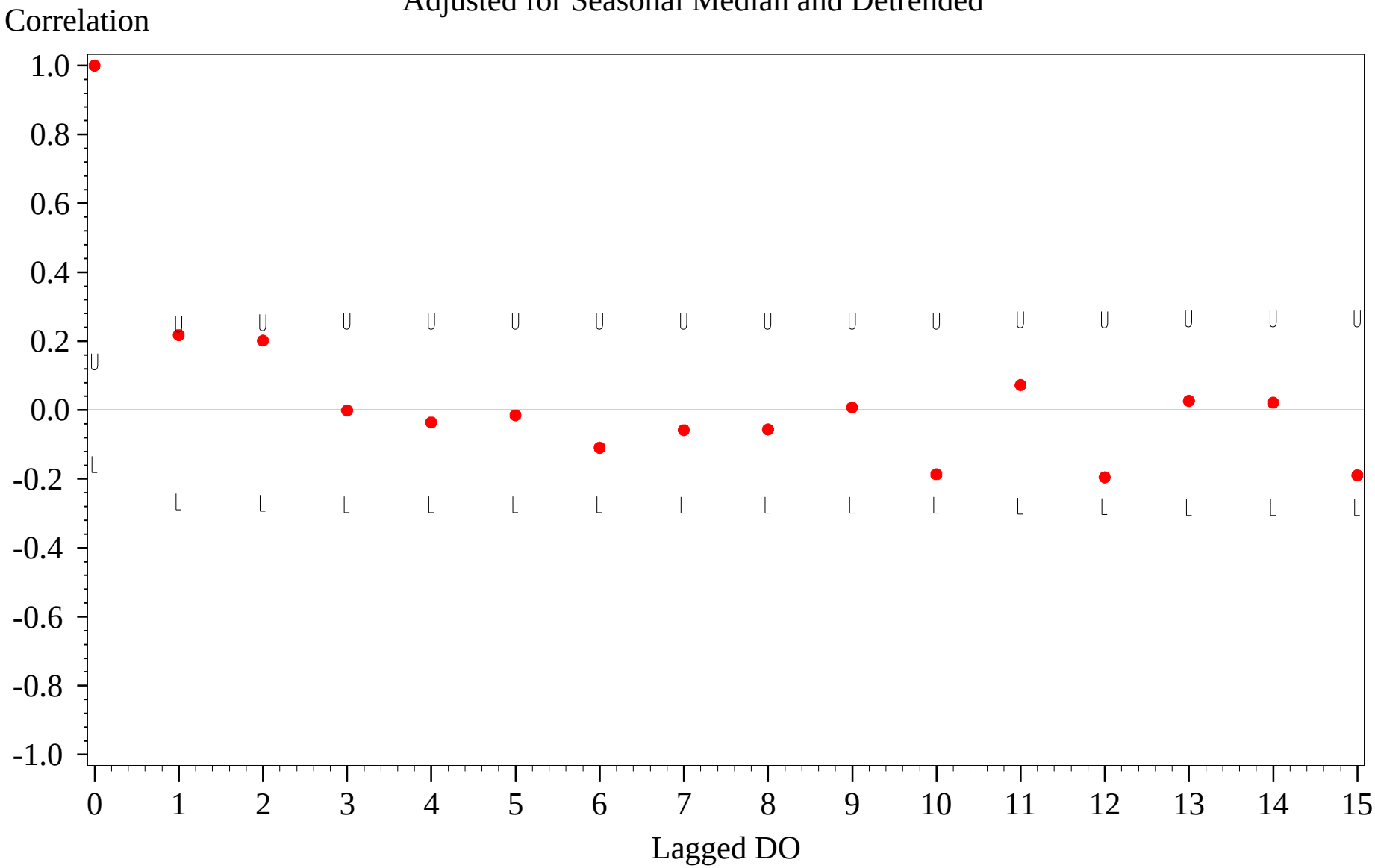
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58025SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.075	0.149	-0.149
1	0.218	0.129	0.258	-0.258
2	0.202	0.131	0.262	-0.262
3	-0.001	0.133	0.266	-0.266
4	-0.036	0.133	0.266	-0.266
5	-0.015	0.133	0.266	-0.266
6	-0.109	0.133	0.266	-0.266
7	-0.058	0.133	0.267	-0.267
8	-0.056	0.134	0.267	-0.267
9	0.008	0.134	0.267	-0.267
10	-0.186	0.134	0.267	-0.267
11	0.073	0.135	0.270	-0.270
12	-0.195	0.135	0.271	-0.271
13	0.027	0.137	0.274	-0.274
14	0.022	0.137	0.274	-0.274
15	-0.189	0.137	0.274	-0.274

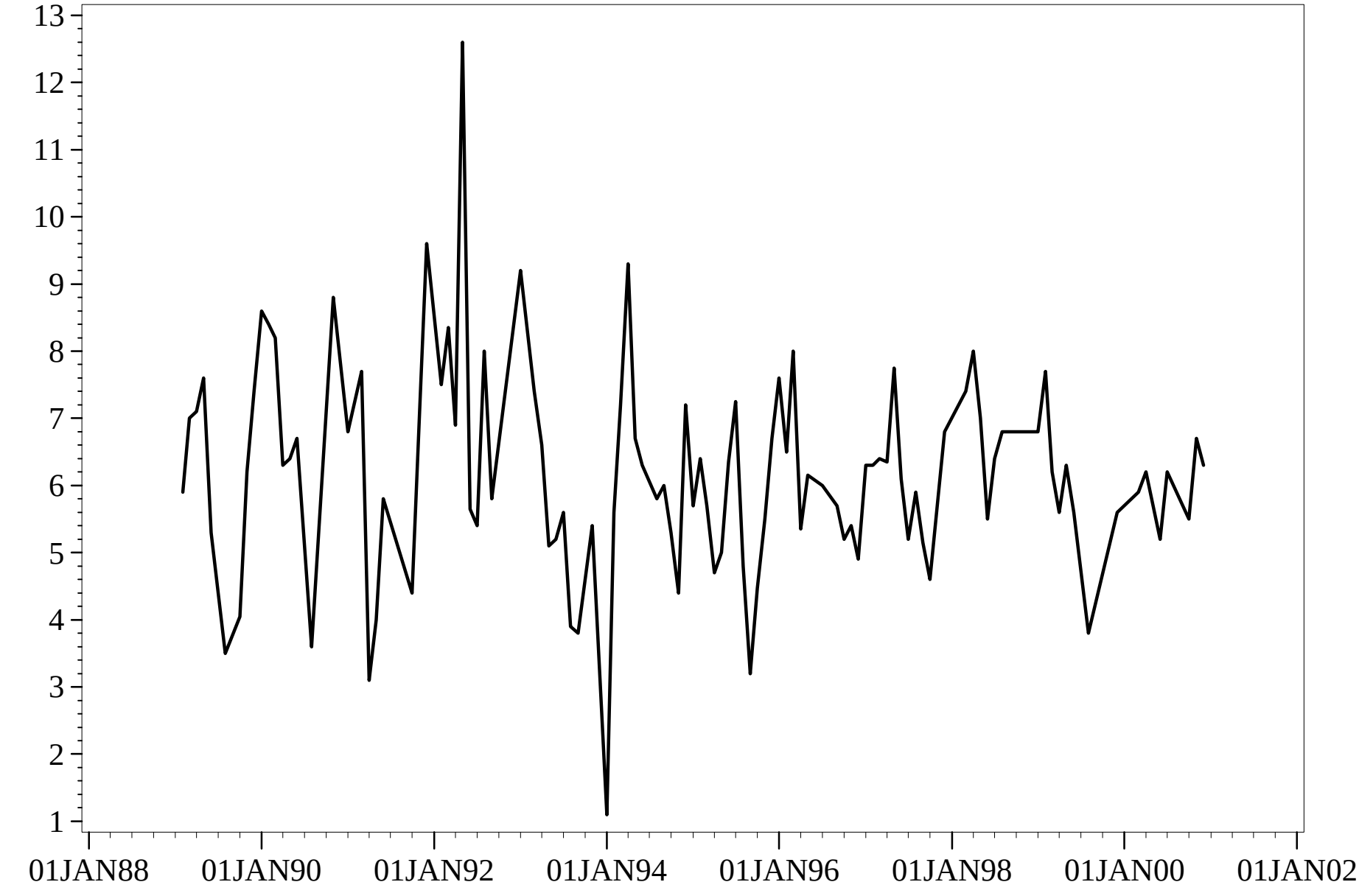
Lemon Bay Trends Appendix - Display 810
Correlogram for Surface Dissolved Oxygen at FDEP Station 58025SEAS

Adjusted for Seasonal Median and Detrended



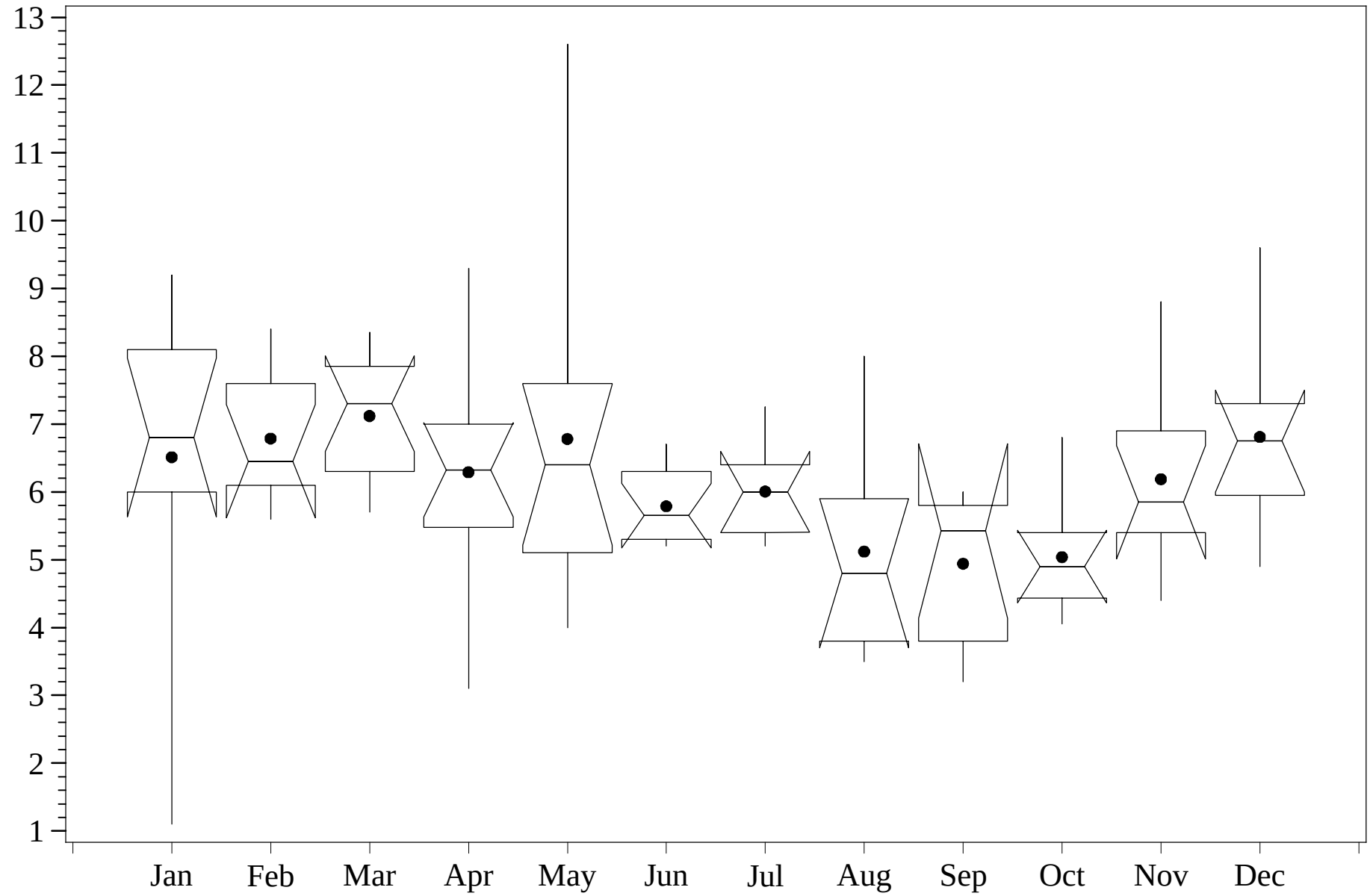
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 811
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 58026SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 812

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 58026SEAS



Lemon Bay Trends Appendix - Display 813

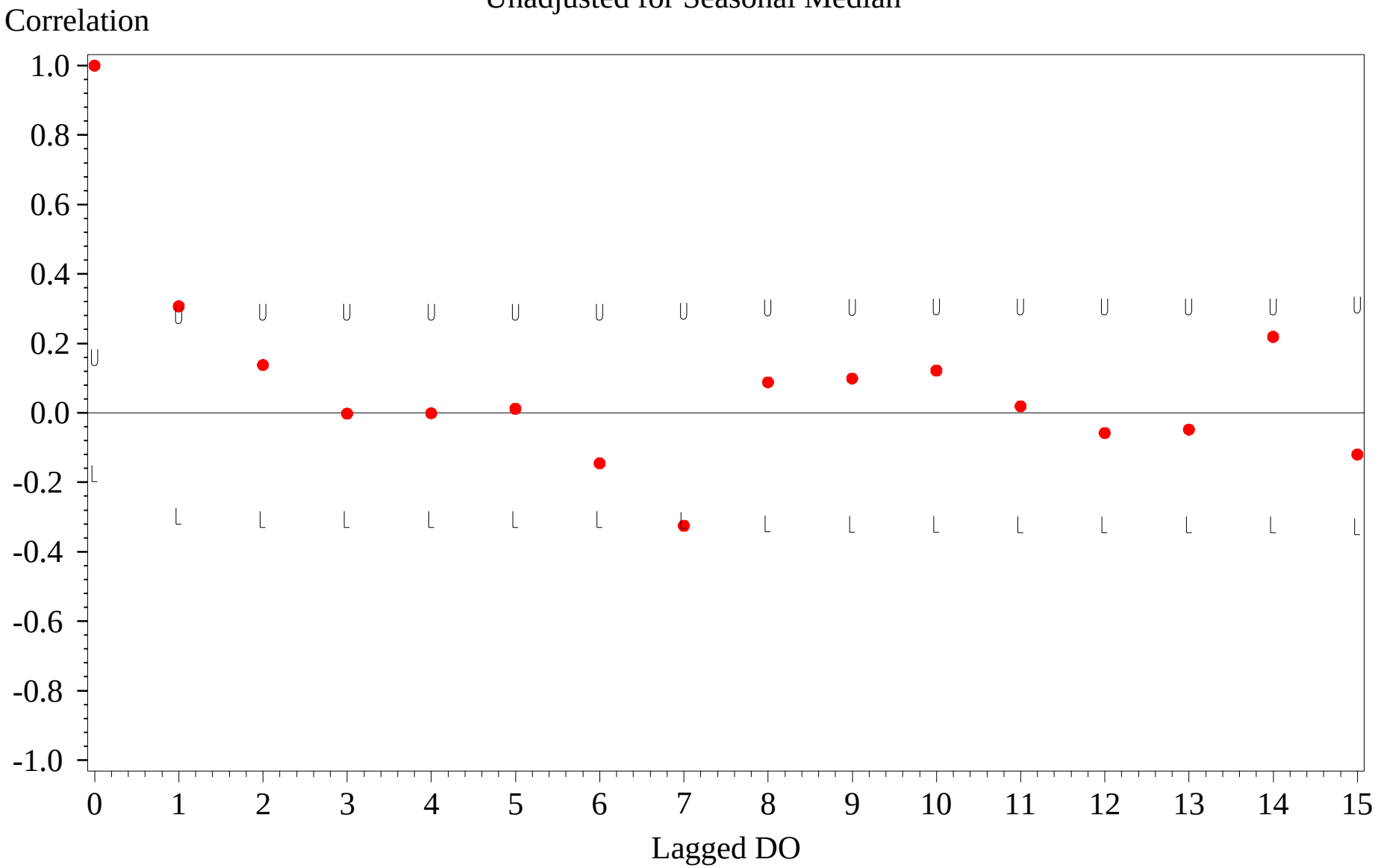
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58026SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.083	0.167	-0.167
1	0.307	0.144	0.289	-0.289
2	0.138	0.149	0.298	-0.298
3	-0.002	0.150	0.299	-0.299
4	-0.001	0.150	0.299	-0.299
5	0.012	0.150	0.299	-0.299
6	-0.145	0.150	0.299	-0.299
7	-0.325	0.151	0.301	-0.301
8	0.088	0.155	0.311	-0.311
9	0.099	0.156	0.312	-0.312
10	0.122	0.156	0.313	-0.313
11	0.019	0.157	0.314	-0.314
12	-0.058	0.157	0.314	-0.314
13	-0.048	0.157	0.314	-0.314
14	0.219	0.157	0.314	-0.314
15	-0.120	0.159	0.319	-0.319

Lemon Bay Trends Appendix - Display 814
Correlogram for Surface Dissolved Oxygen at FDEP Station 58026SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 815

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58026SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.079	0.321	0.42	-0.047

Lemon Bay Trends Appendix - Display 816

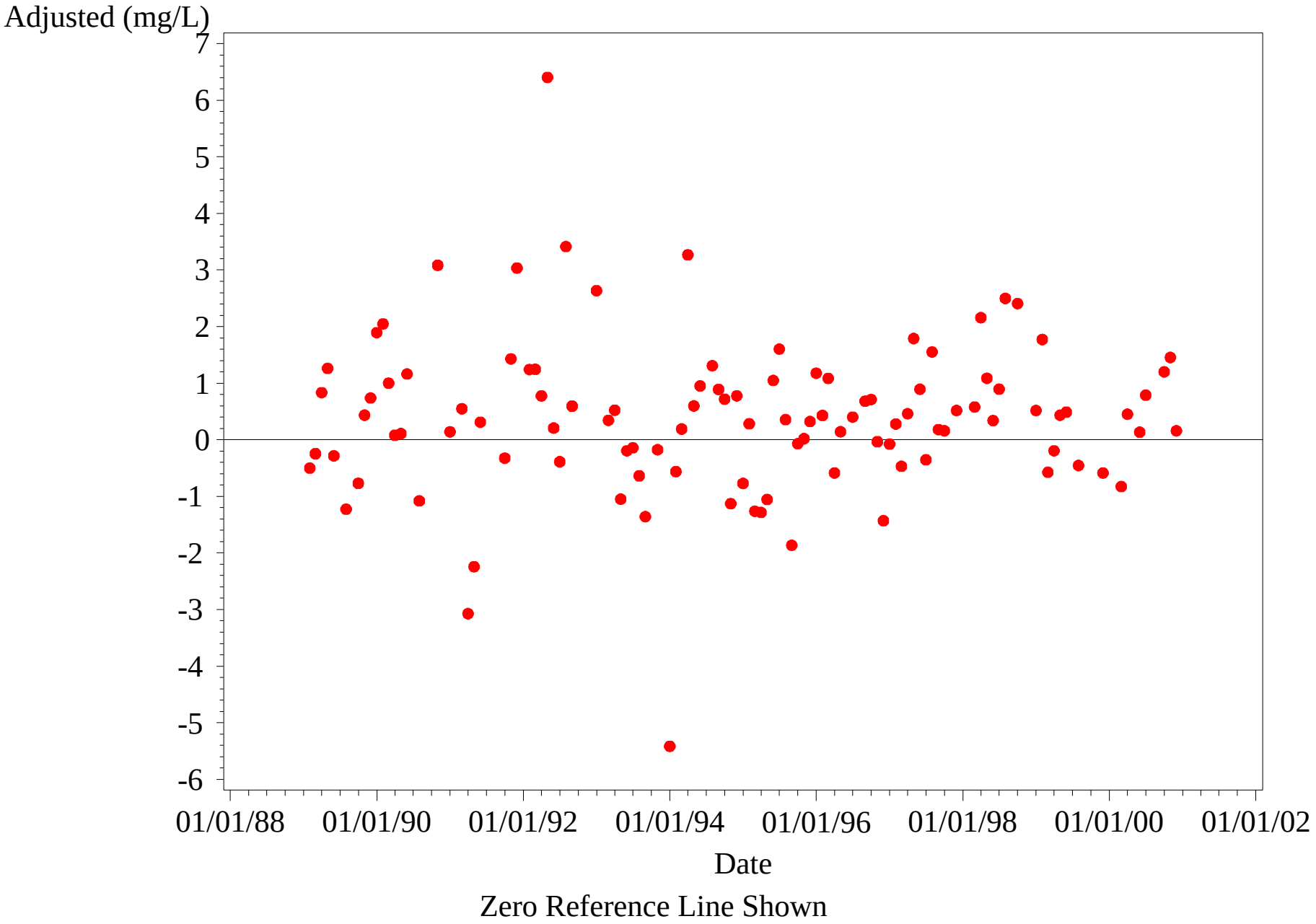
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58026SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.079295	0.32078	0.42037	-0.047222

Lemon Bay Trends Appendix - Display 817

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 58026SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 818

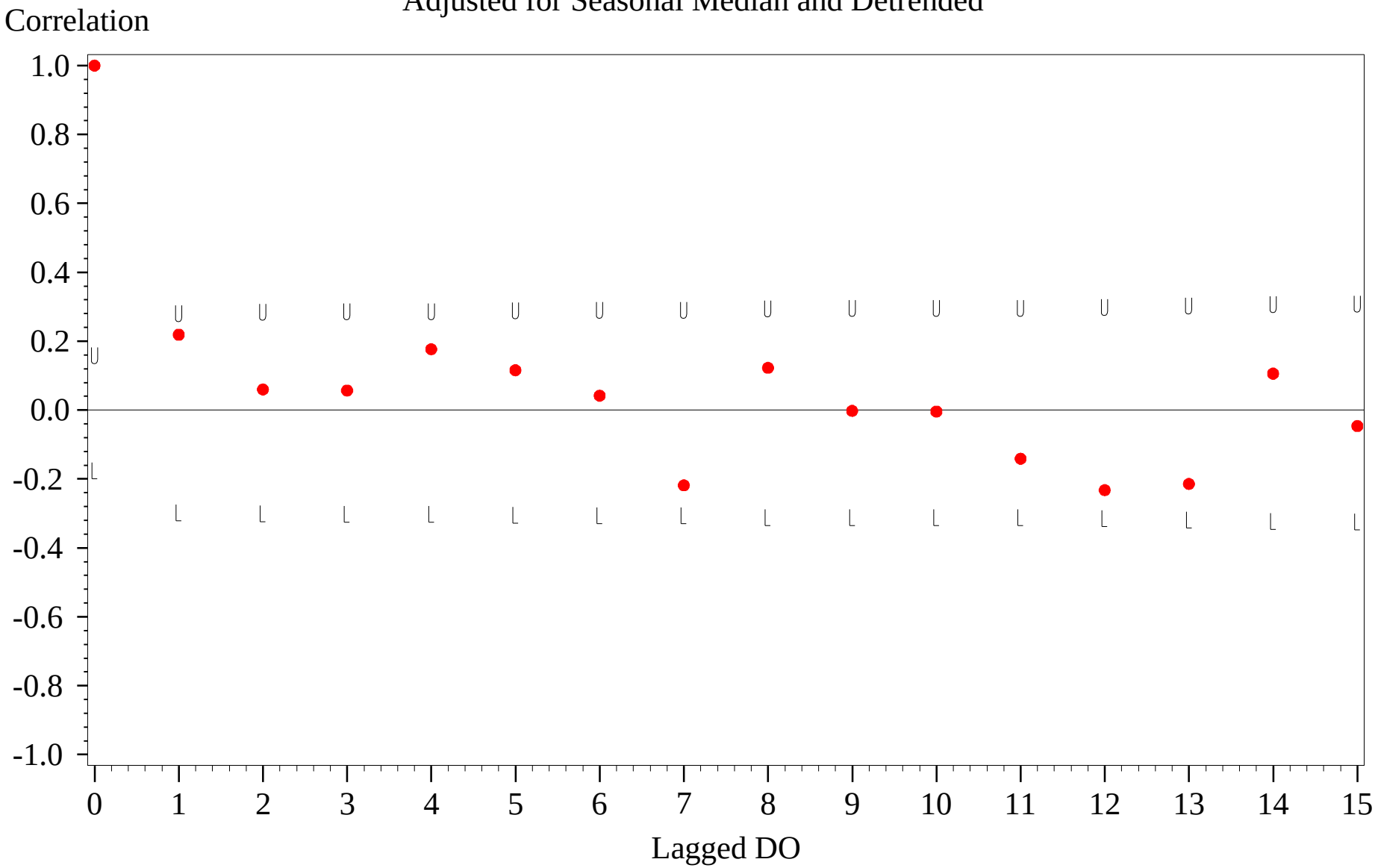
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58026SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.083	0.167	-0.167
1	0.219	0.144	0.289	-0.289
2	0.060	0.147	0.293	-0.293
3	0.057	0.147	0.294	-0.294
4	0.177	0.147	0.294	-0.294
5	0.116	0.148	0.297	-0.297
6	0.042	0.149	0.298	-0.298
7	-0.218	0.149	0.298	-0.298
8	0.123	0.151	0.303	-0.303
9	-0.002	0.152	0.304	-0.304
10	-0.004	0.152	0.304	-0.304
11	-0.141	0.152	0.304	-0.304
12	-0.232	0.153	0.306	-0.306
13	-0.214	0.155	0.311	-0.311
14	0.106	0.157	0.315	-0.315
15	-0.046	0.158	0.316	-0.316

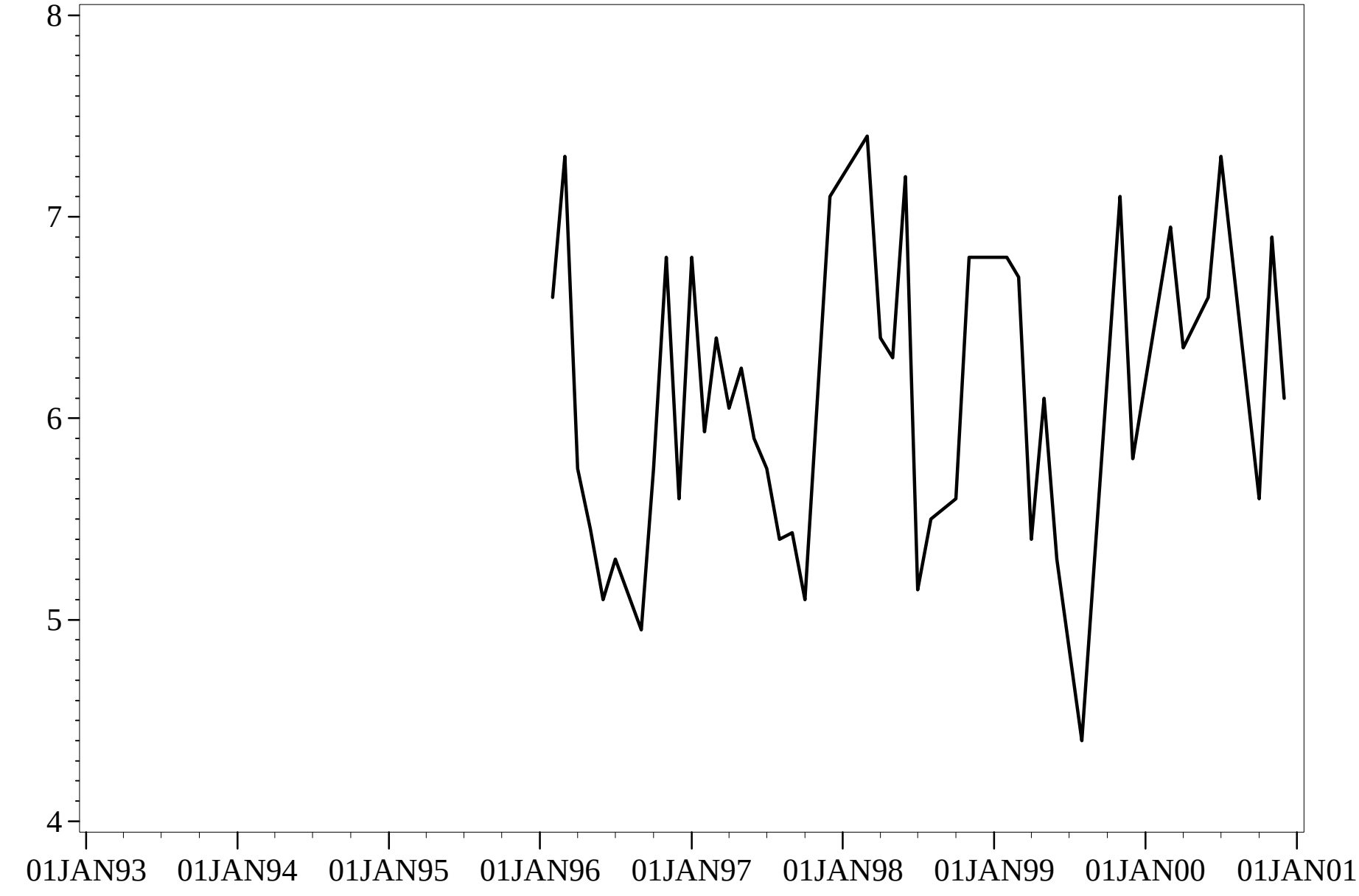
Lemon Bay Trends Appendix - Display 819
Correlogram for Surface Dissolved Oxygen at FDEP Station 58026SEAS

Adjusted for Seasonal Median and Detrended



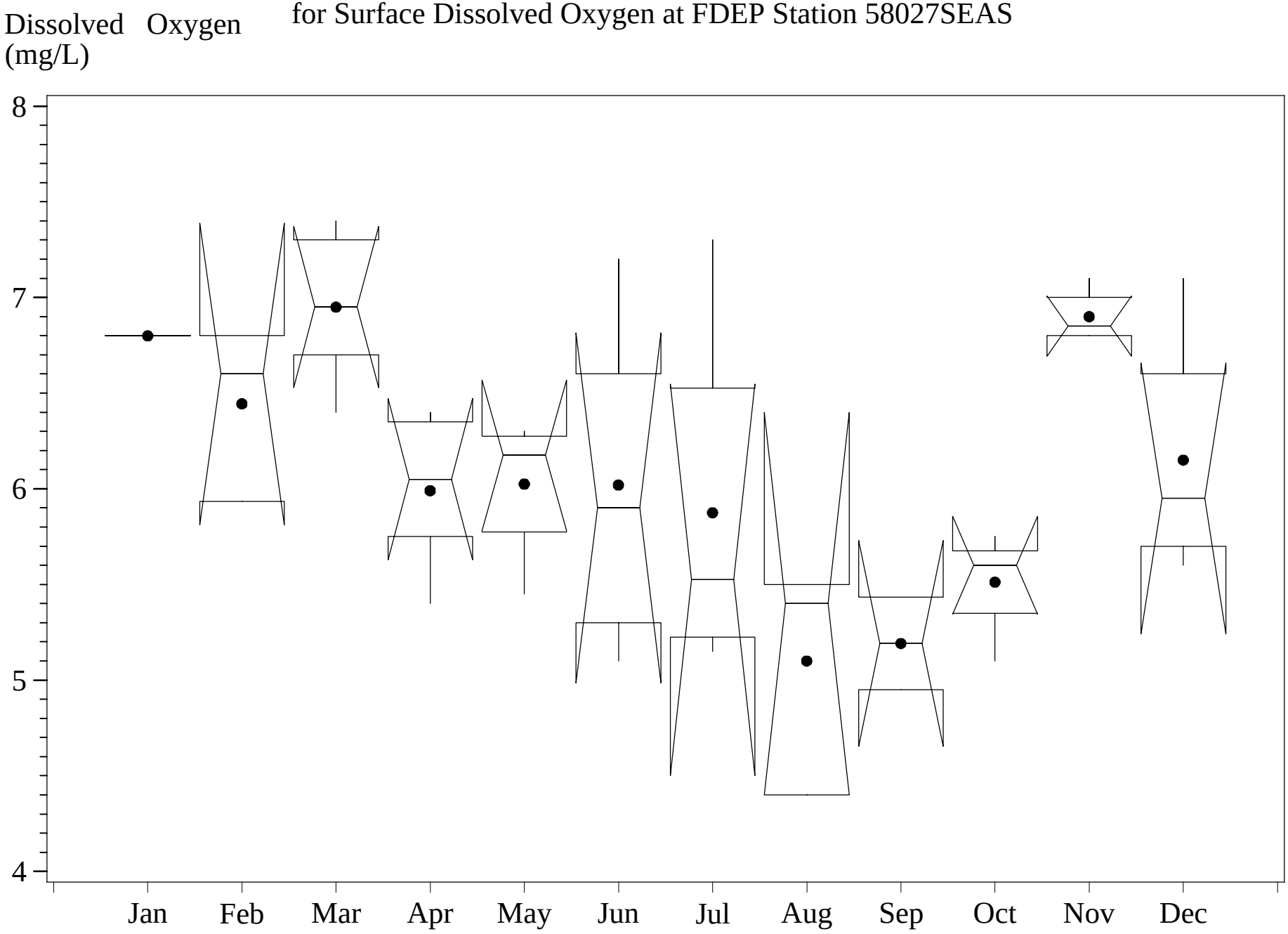
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 820
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 58027SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 821

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 58027SEAS



Lemon Bay Trends Appendix - Display 822

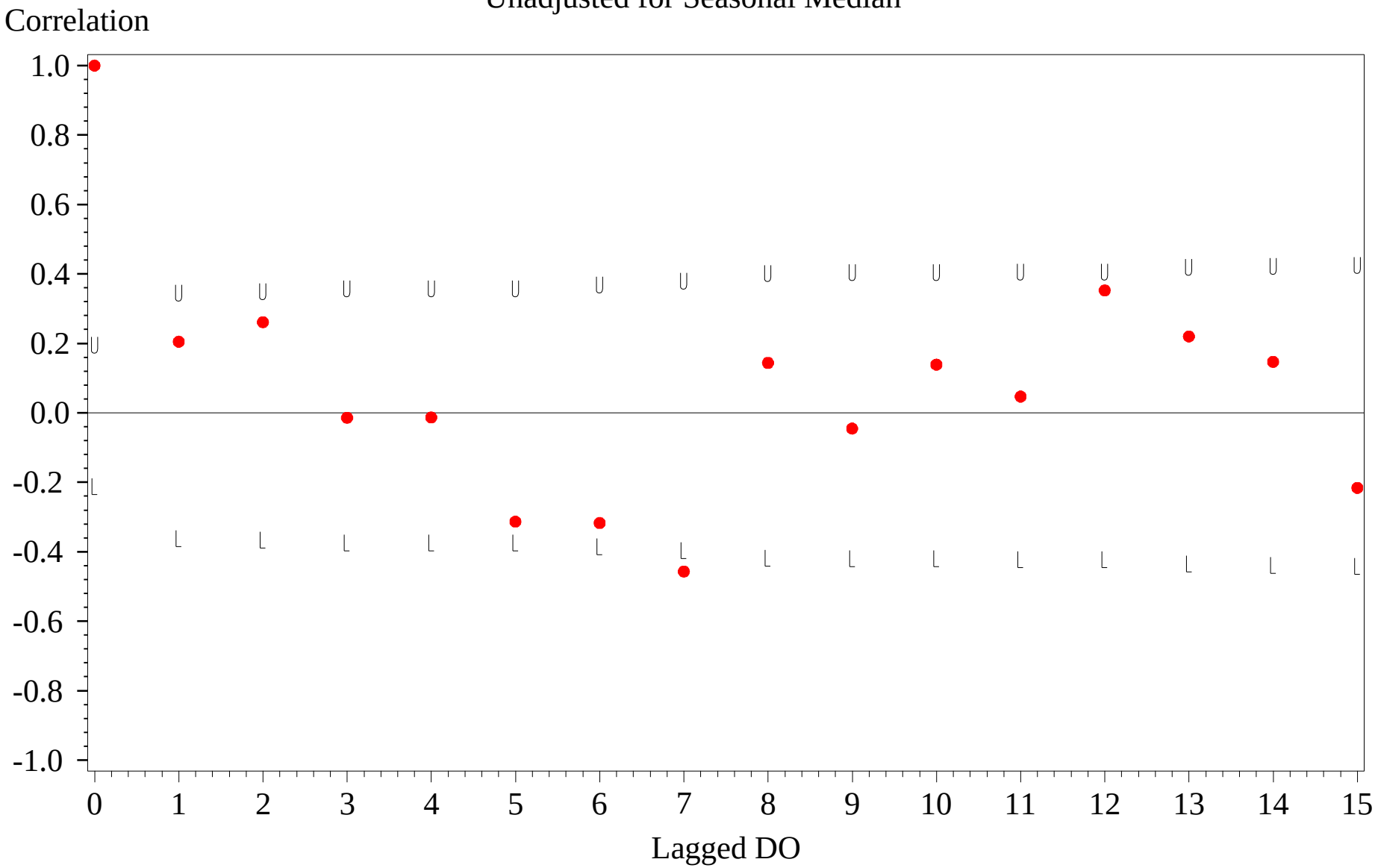
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58027SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.205	0.177	0.354	-0.354
2	0.261	0.179	0.358	-0.358
3	-0.014	0.183	0.366	-0.366
4	-0.013	0.183	0.366	-0.366
5	-0.313	0.183	0.366	-0.366
6	-0.317	0.189	0.377	-0.377
7	-0.457	0.194	0.388	-0.388
8	0.144	0.205	0.410	-0.410
9	-0.045	0.206	0.412	-0.412
10	0.139	0.206	0.412	-0.412
11	0.047	0.207	0.414	-0.414
12	0.353	0.207	0.414	-0.414
13	0.220	0.213	0.427	-0.427
14	0.147	0.216	0.431	-0.431
15	-0.216	0.217	0.433	-0.433

Lemon Bay Trends Appendix - Display 823
Correlogram for Surface Dissolved Oxygen at FDEP Station 58027SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 824

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58027SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.221	0.161	0.283	0.067

Lemon Bay Trends Appendix - Display 825

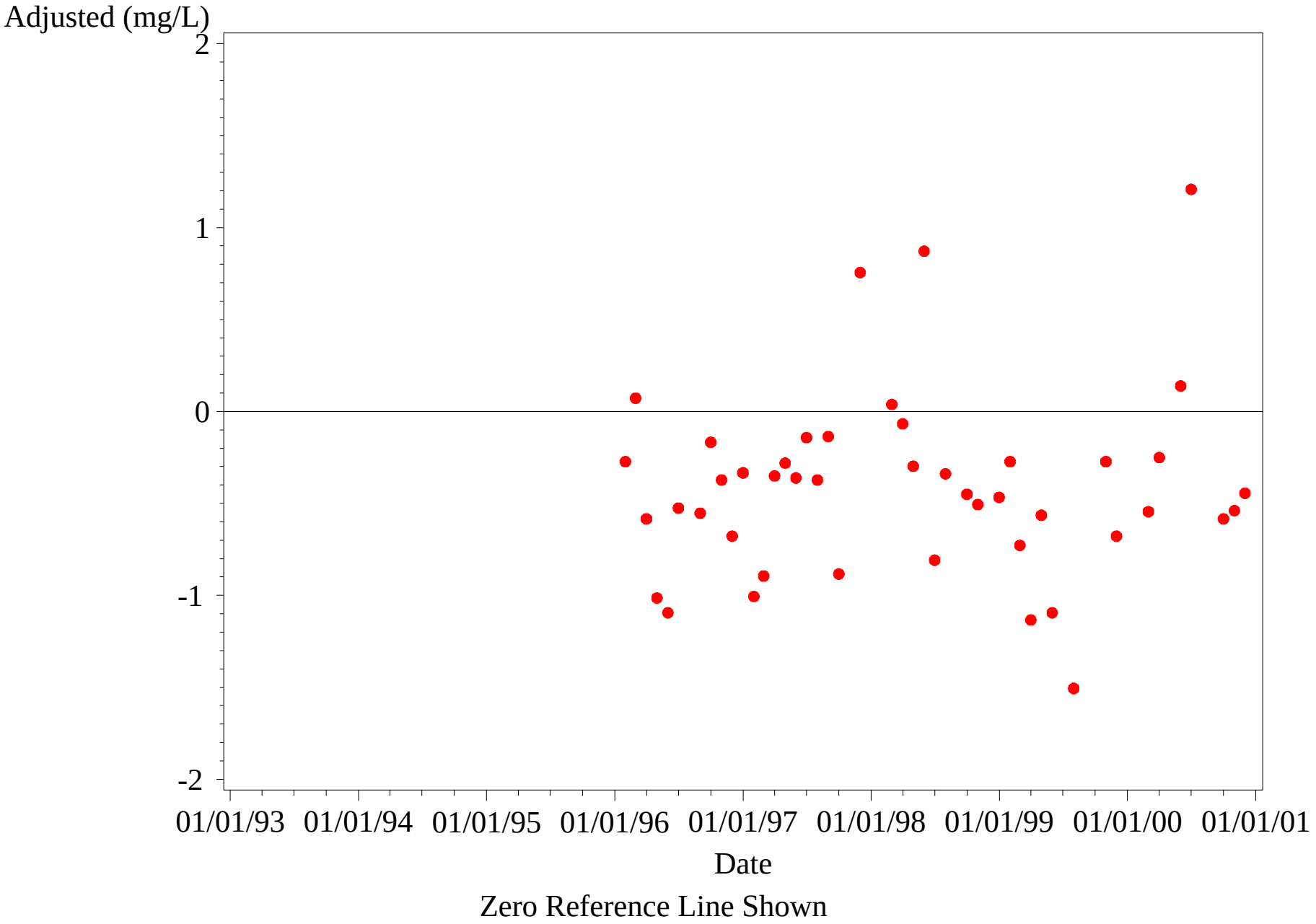
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58027SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.22059	0.16081	0.28341	0.066667

Lemon Bay Trends Appendix - Display 826

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 58027SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 827

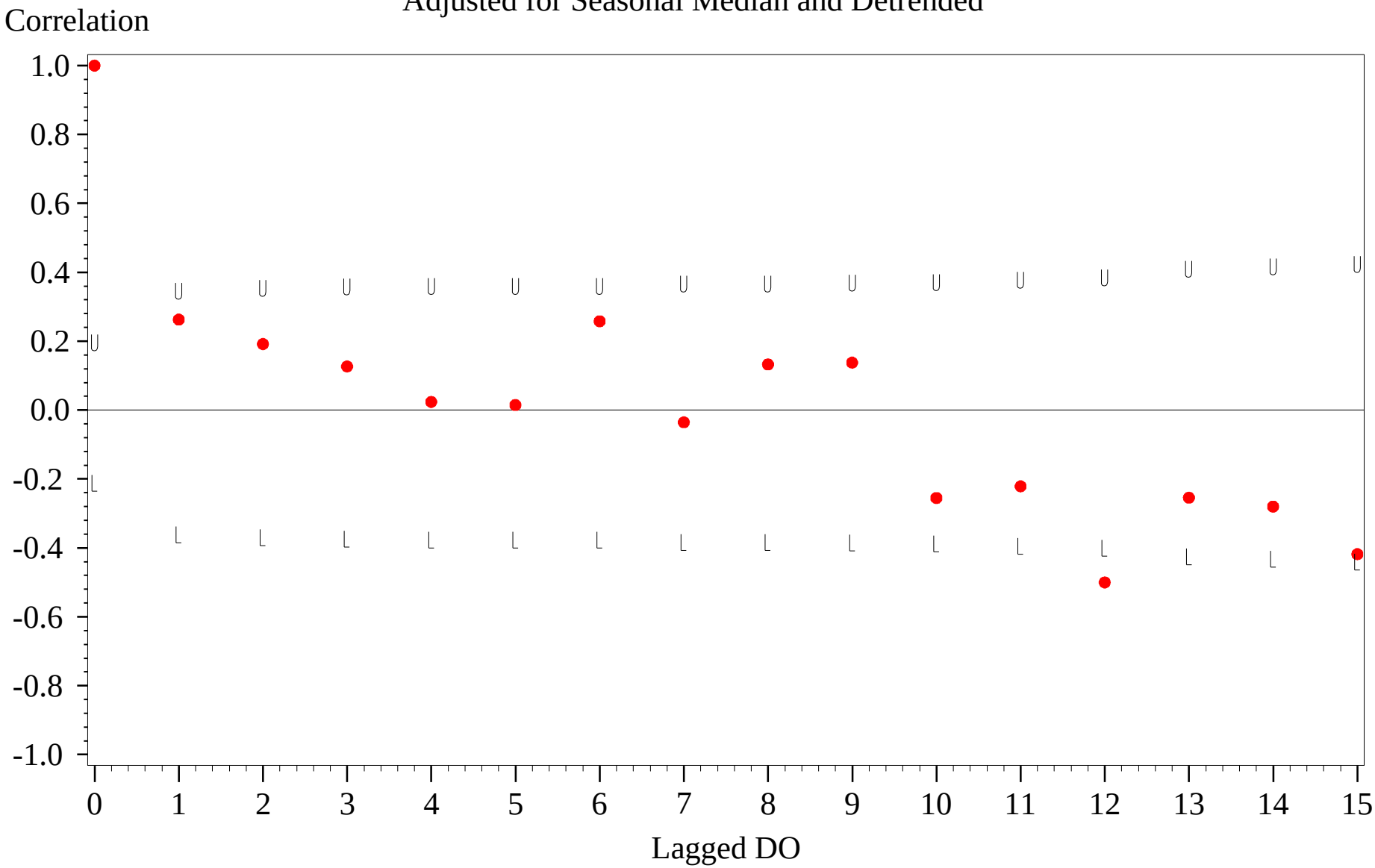
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58027SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.263	0.177	0.354	-0.354
2	0.192	0.181	0.362	-0.362
3	0.127	0.183	0.366	-0.366
4	0.024	0.184	0.368	-0.368
5	0.015	0.184	0.368	-0.368
6	0.258	0.184	0.368	-0.368
7	-0.035	0.188	0.375	-0.375
8	0.133	0.188	0.375	-0.375
9	0.138	0.189	0.377	-0.377
10	-0.255	0.190	0.379	-0.379
11	-0.221	0.193	0.386	-0.386
12	-0.500	0.196	0.392	-0.392
13	-0.254	0.209	0.417	-0.417
14	-0.280	0.212	0.424	-0.424
15	-0.418	0.216	0.432	-0.432

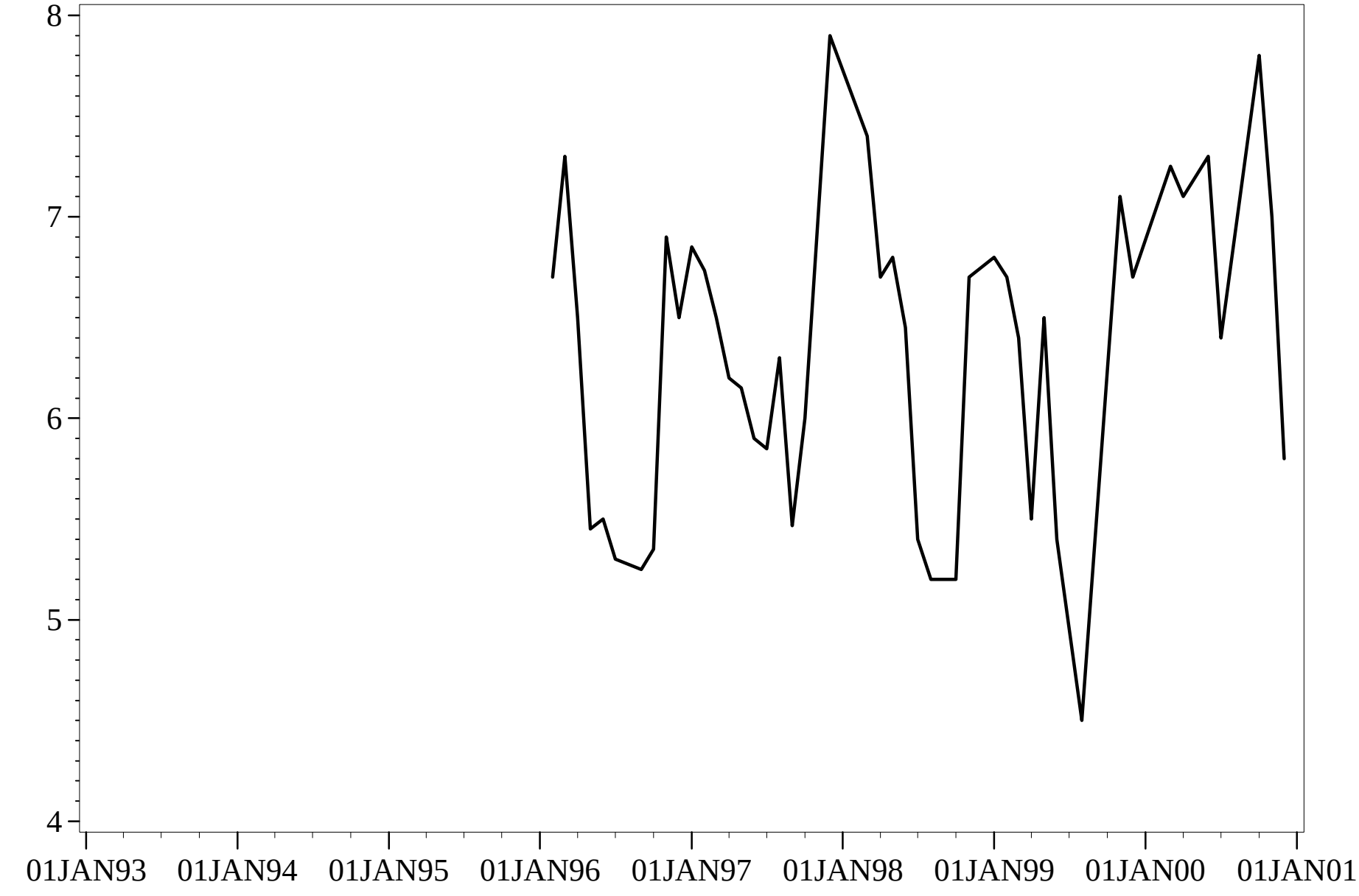
Lemon Bay Trends Appendix - Display 828
Correlogram for Surface Dissolved Oxygen at FDEP Station 58027SEAS

Adjusted for Seasonal Median and Detrended



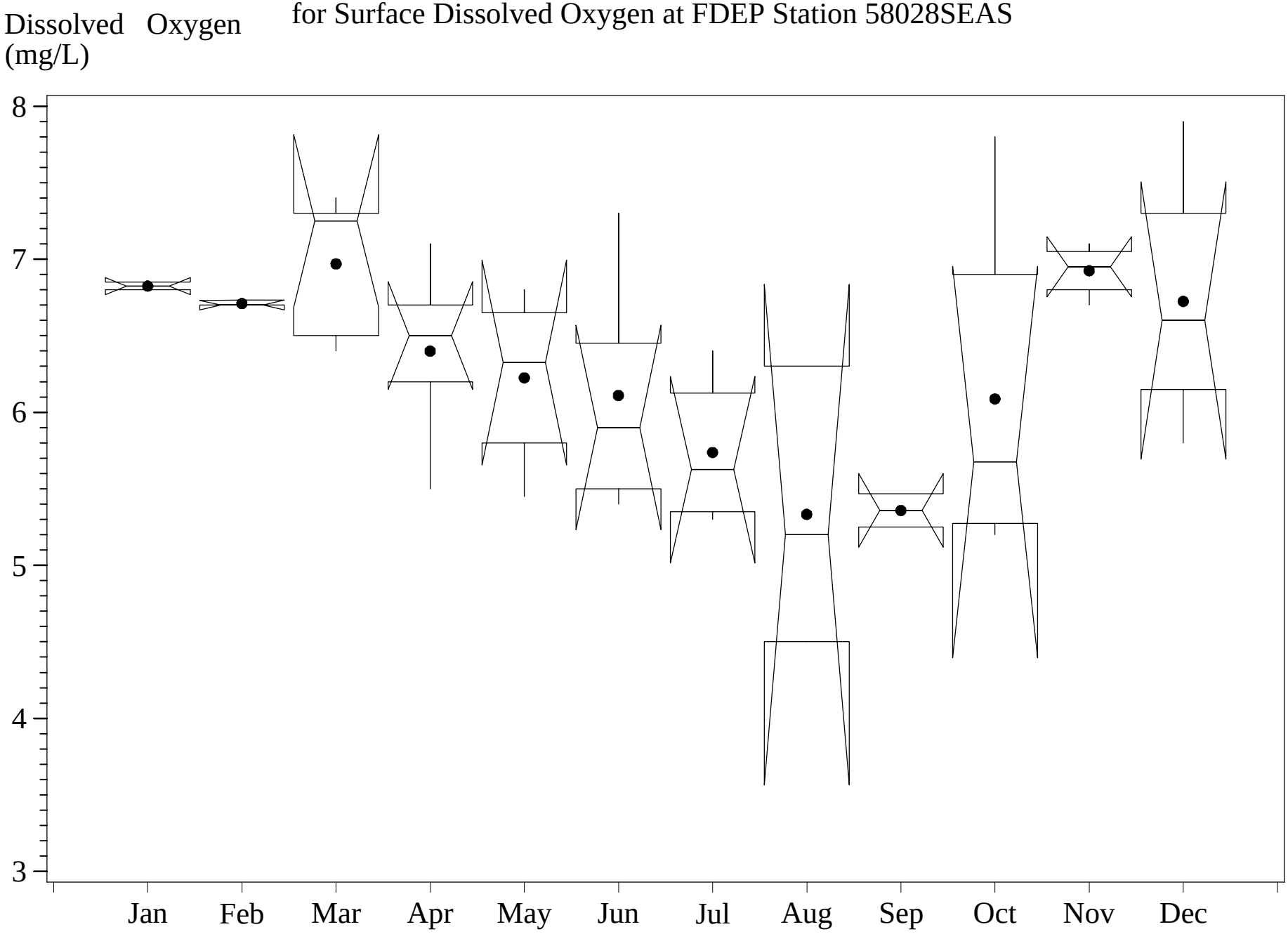
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 829
Monthly Data Time Series
for Surface Dissolved Oxygen at FDEP Station 58028SEAS
Unadjusted for Seasonal Medians



Lemon Bay Trends Appendix - Display 830

Seasonal Univariate Statistics
for Surface Dissolved Oxygen at FDEP Station 58028SEAS



Lemon Bay Trends Appendix - Display 831

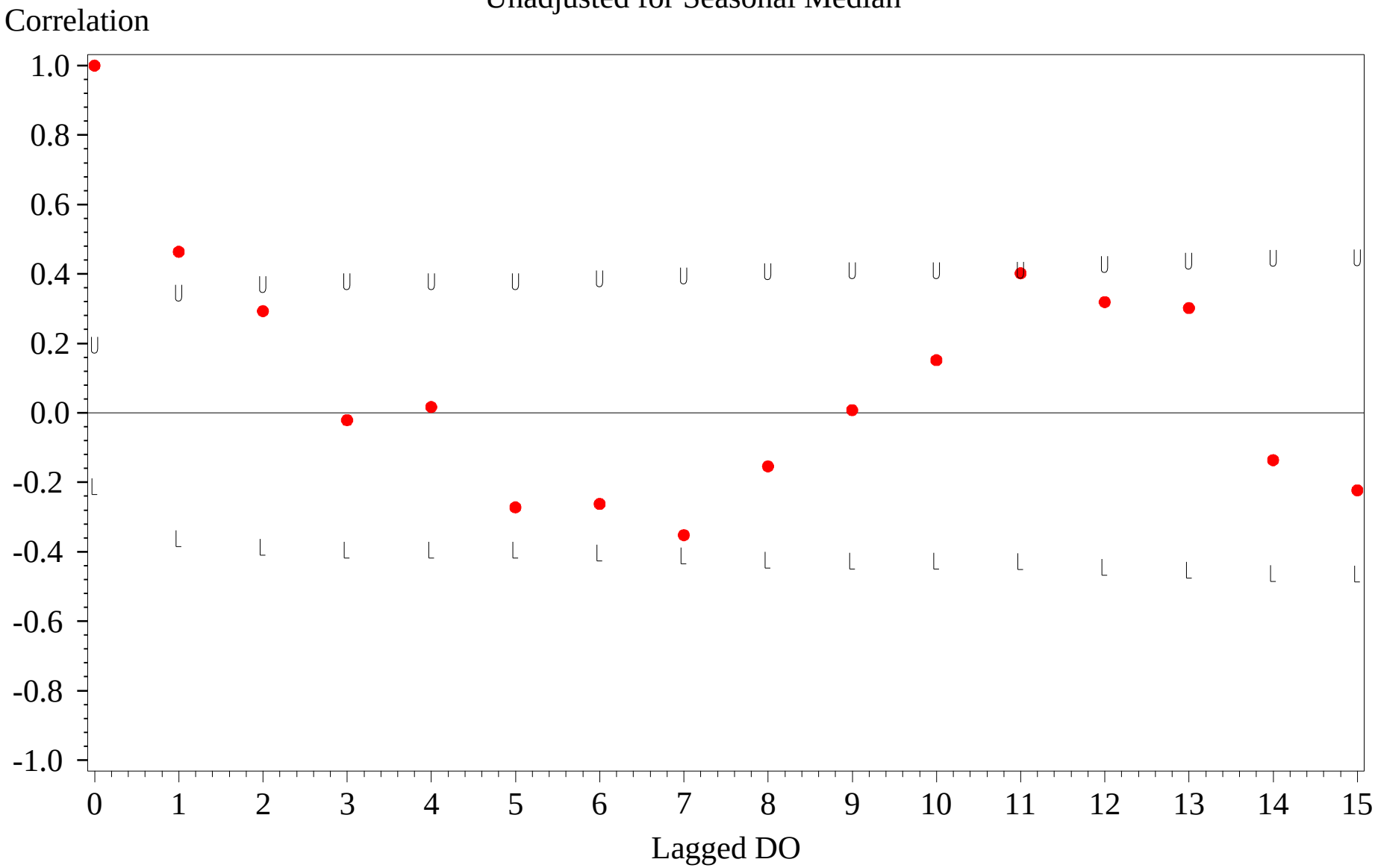
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58028SEAS

Unadjusted for Seasonal Medians

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.464	0.177	0.354	-0.354
2	0.293	0.189	0.378	-0.378
3	-0.021	0.194	0.387	-0.387
4	0.017	0.194	0.387	-0.387
5	-0.272	0.194	0.387	-0.387
6	-0.262	0.198	0.395	-0.395
7	-0.352	0.201	0.403	-0.403
8	-0.154	0.208	0.415	-0.415
9	0.008	0.209	0.418	-0.418
10	0.152	0.209	0.418	-0.418
11	0.402	0.210	0.420	-0.420
12	0.319	0.218	0.436	-0.436
13	0.302	0.223	0.445	-0.445
14	-0.136	0.227	0.454	-0.454
15	-0.223	0.228	0.455	-0.455

Lemon Bay Trends Appendix - Display 832
Correlogram for Surface Dissolved Oxygen at FDEP Station 58028SEAS

Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 833

Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58028SEAS

Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.162	0.321	0.467	0.067

Lemon Bay Trends Appendix - Display 834

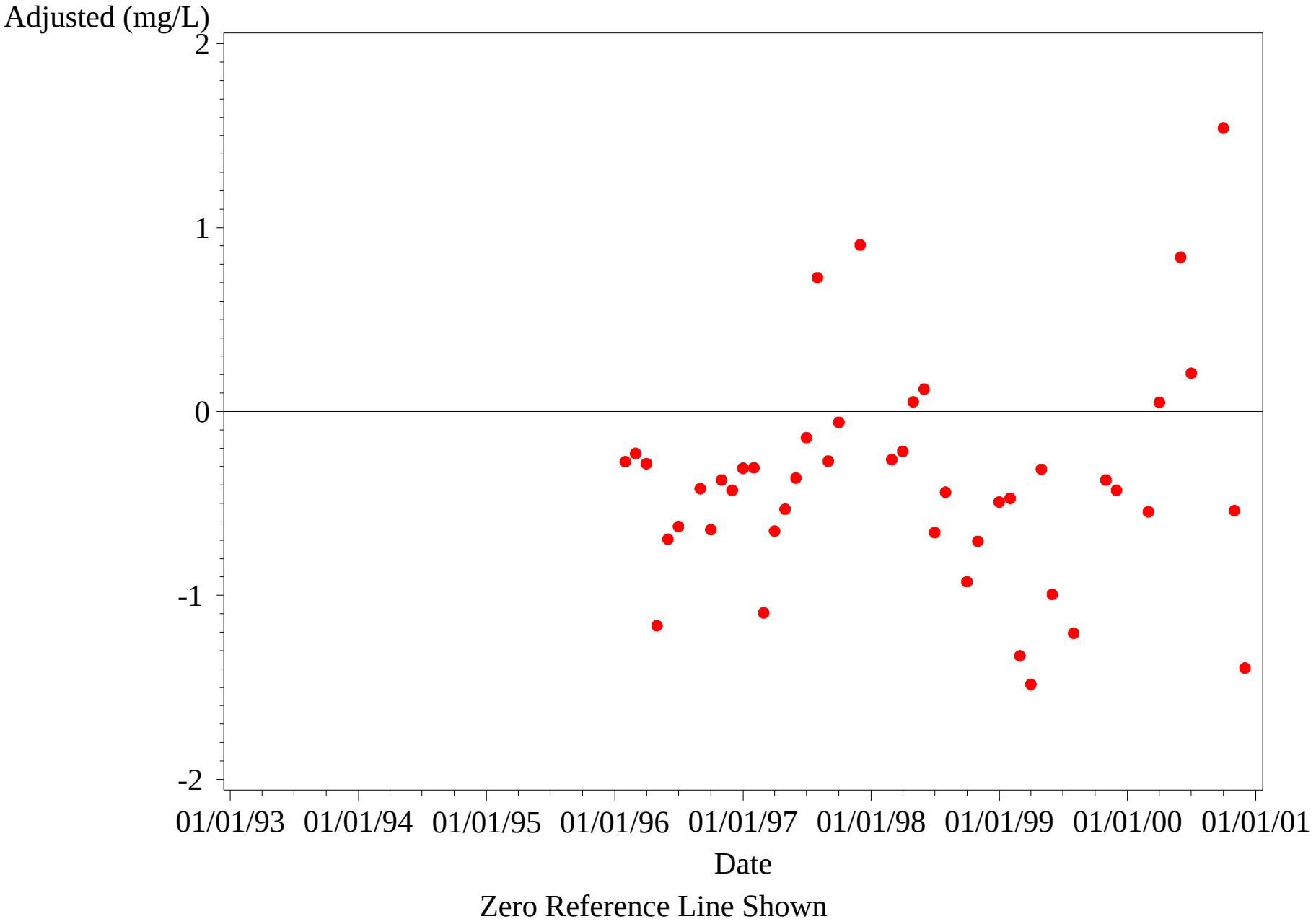
Seasonal Kendall Tau Trend Test Statistics
for Surface Dissolved Oxygen at FDEP Station 58028SEAS

Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.16177	0.32131	0.46699	0.066667

Lemon Bay Trends Appendix - Display 835

Time Series Plot of Surface Dissolved Oxygen Data Adjusted for Season and Detrended at FDEP Station 58028SEAS



Zero Reference Line Shown

Lemon Bay Trends Appendix - Display 836

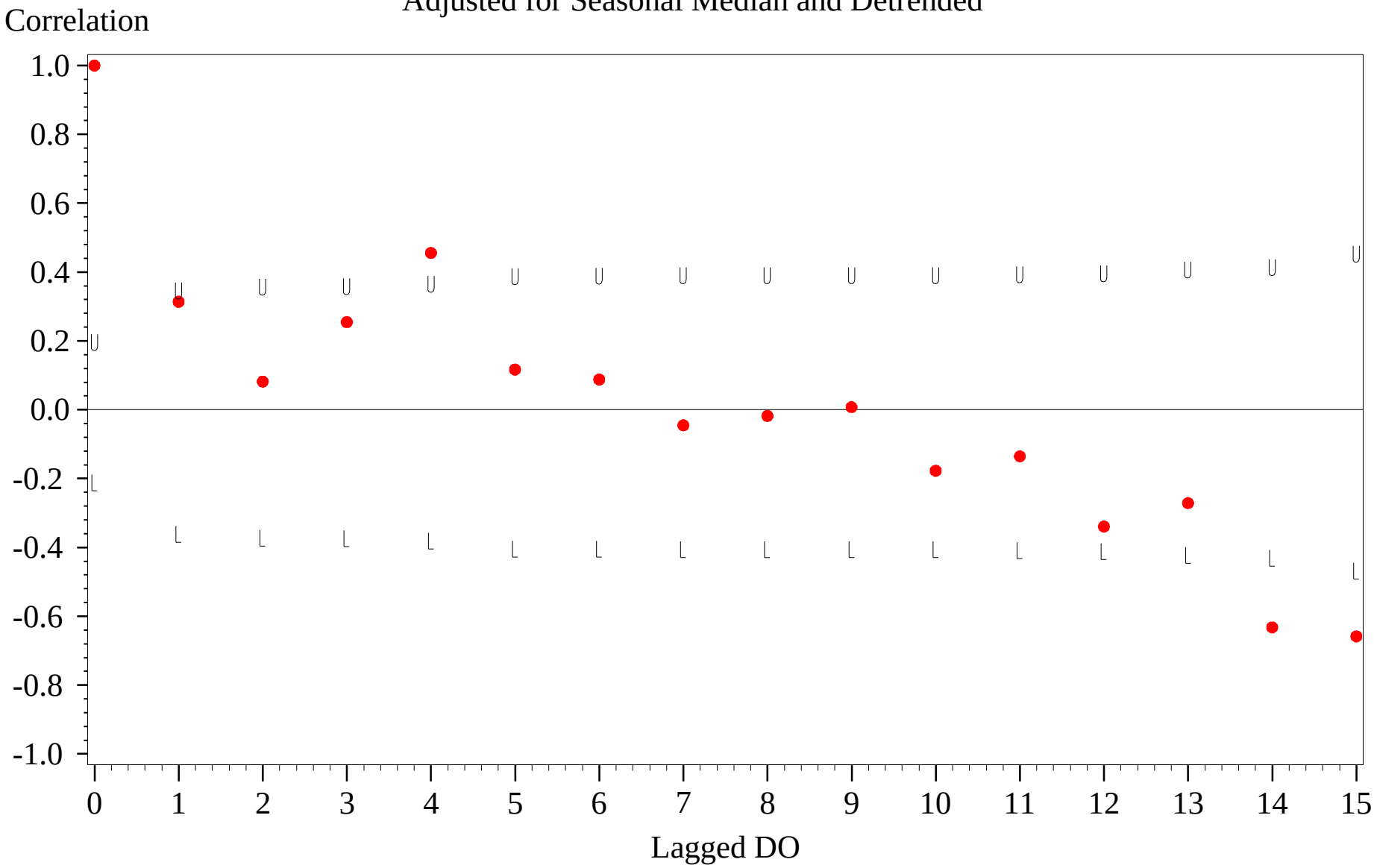
Autocorrelation Statistics for Surface Dissolved Oxygen at FDEP Station 58028SEAS

Adjusted for Seasonal Median and Detrended

Lagged DO	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.102	0.204	-0.204
1	0.314	0.177	0.354	-0.354
2	0.082	0.183	0.365	-0.365
3	0.255	0.183	0.366	-0.366
4	0.456	0.187	0.373	-0.373
5	0.117	0.198	0.396	-0.396
6	0.088	0.199	0.397	-0.397
7	-0.045	0.199	0.398	-0.398
8	-0.018	0.199	0.398	-0.398
9	0.008	0.199	0.398	-0.398
10	-0.177	0.199	0.398	-0.398
11	-0.135	0.201	0.401	-0.401
12	-0.339	0.202	0.403	-0.403
13	-0.271	0.208	0.415	-0.415
14	-0.632	0.211	0.422	-0.422
15	-0.658	0.230	0.460	-0.460

Lemon Bay Trends Appendix - Display 837
Correlogram for Surface Dissolved Oxygen at FDEP Station 58028SEAS

Adjusted for Seasonal Median and Detrended



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown