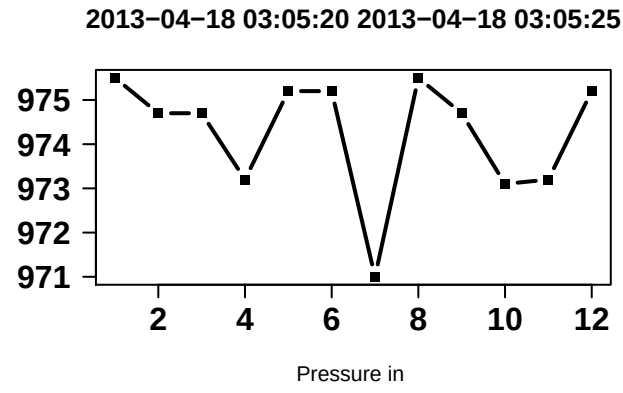
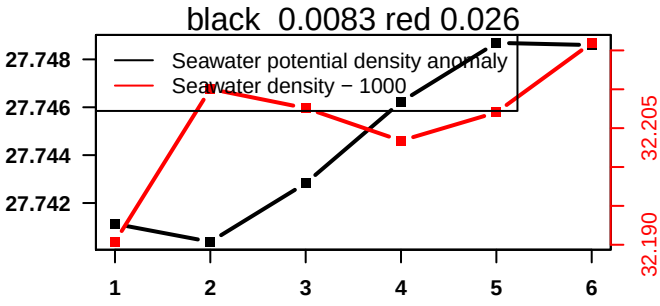
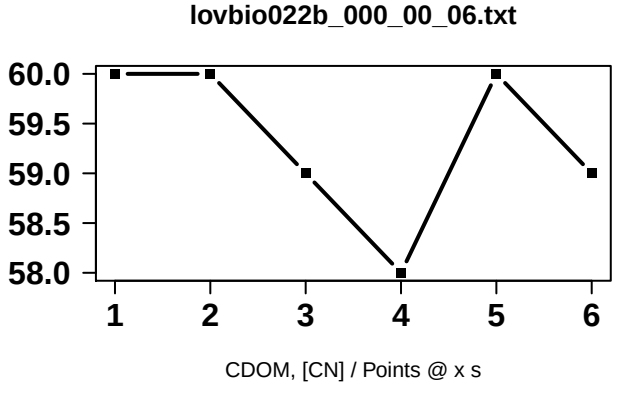
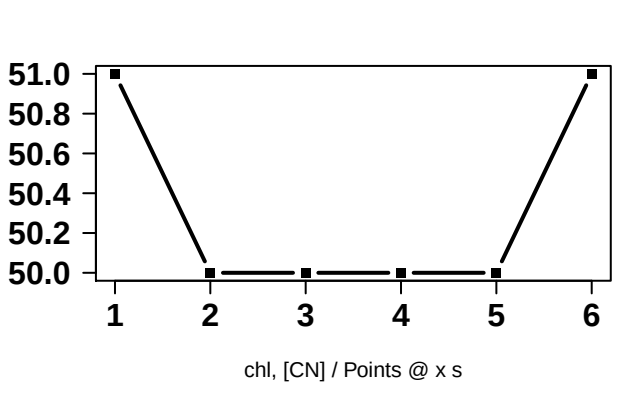
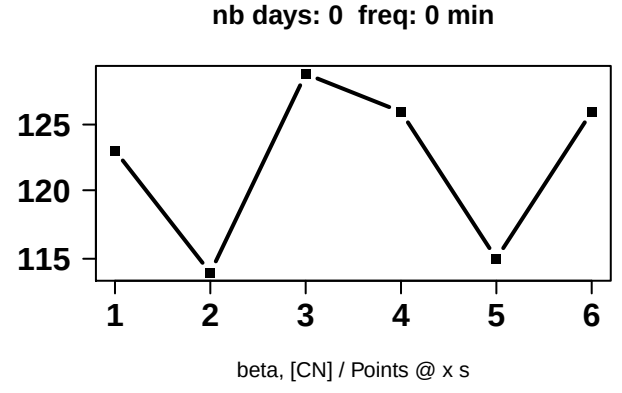
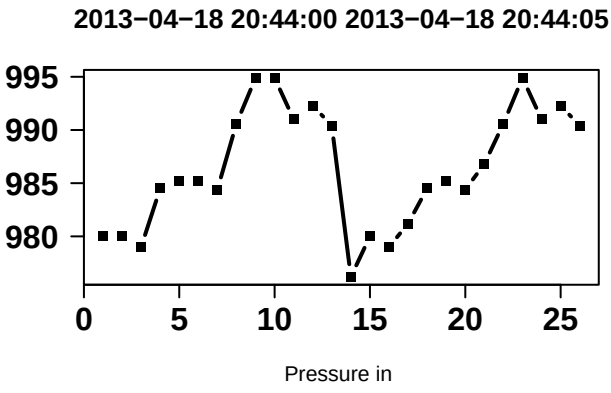

2013−04−18 03:05:20 2013−04−18 03:05:25
975
974
973
972
971
2
4
6
8
10
12
Pressure in

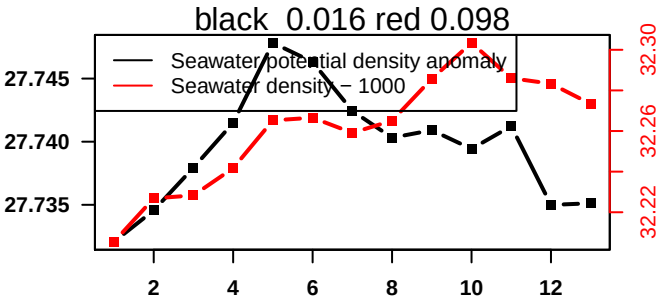

black 0.0083 red 0.026
Seawater potential density anomaly
Seawater density − 1000
27.748
27.746
27.744
27.742
32.205
32.190
1
2
3
4
5
6

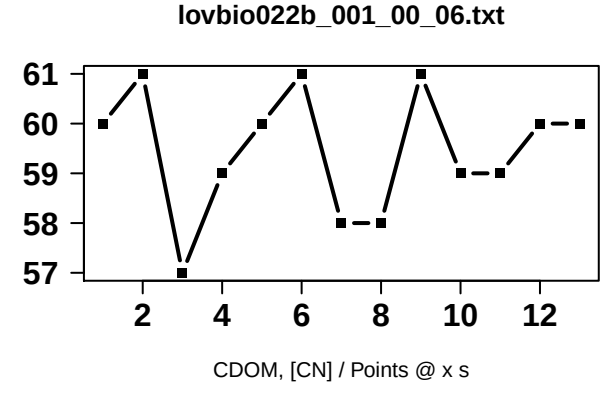

lovbio022b_000_00_06.txt
60.0
59.5
59.0
58.5
58.0
1
2
3
4
5
6
CDOM, [CN] / Points @ x s

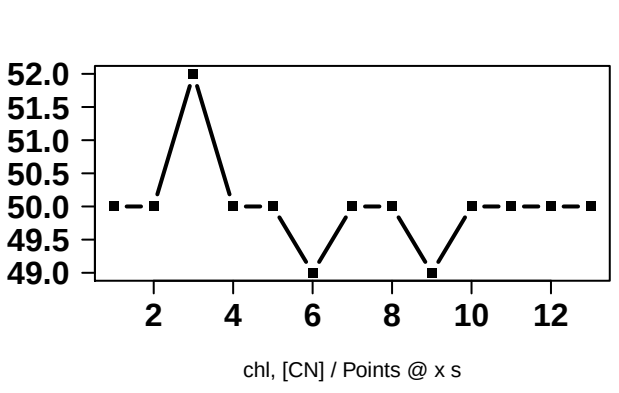

51.0
50.8
50.6
50.4
50.2
50.0
1
2
3
4
5
6
chl, [CN] / Points @ x s

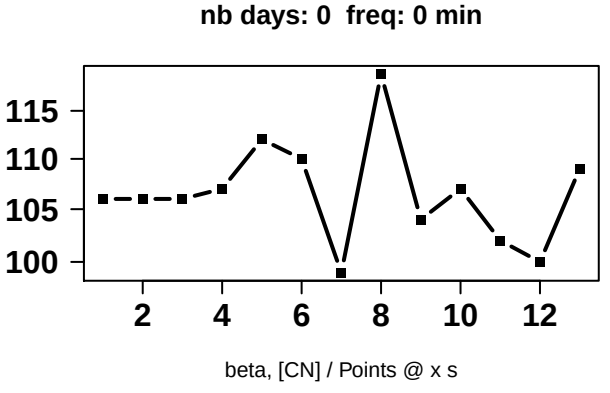

nb days: 0 freq: 0 min
125
120
115
1
2
3
4
5
6
beta, [CN] / Points @ x s

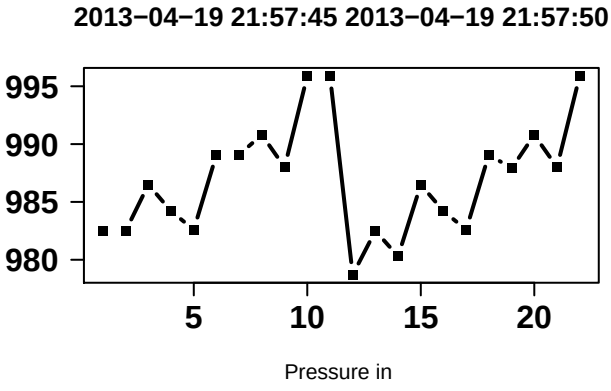

2013−04−18 20:44:00 2013−04−18 20:44:05
995
990
985
980
0
5
10
15
20
25
Pressure in

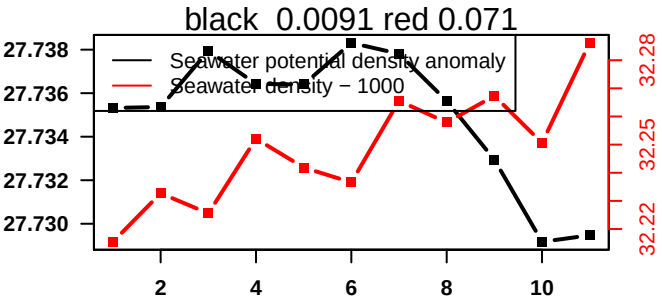

black 0.016 red 0.098
Seawater potential density anomaly
Seawater density − 1000
27.745
27.740
27.735
32.30
32.26
32.22
2
4
6
8
10
12

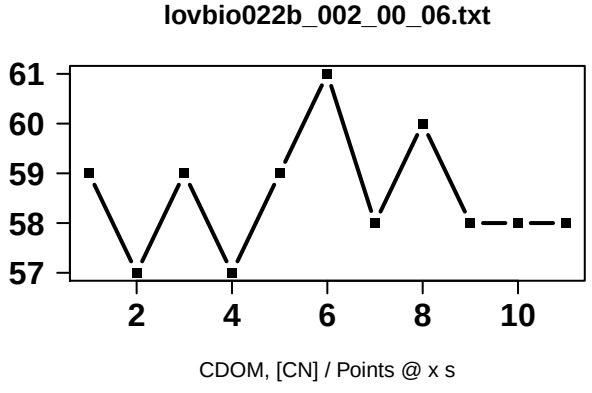

lovbio022b_001_00_06.txt
61
60
59
58
57
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

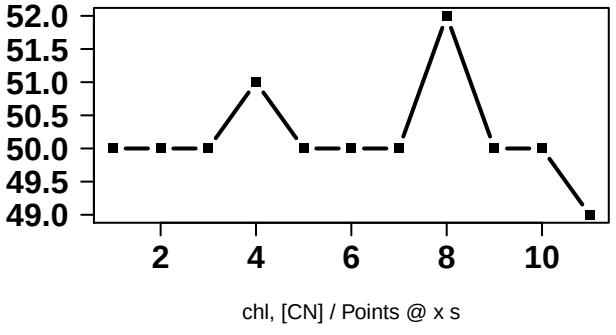

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

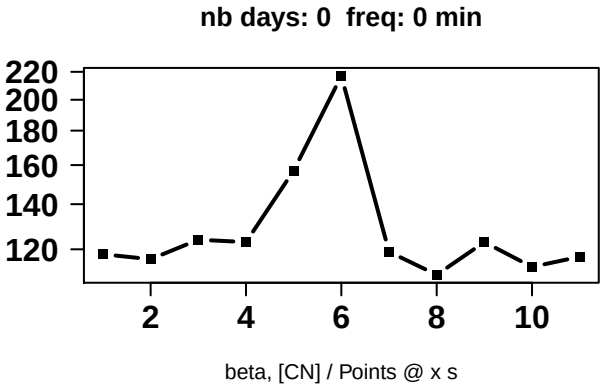

nb days: 0 freq: 0 min
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

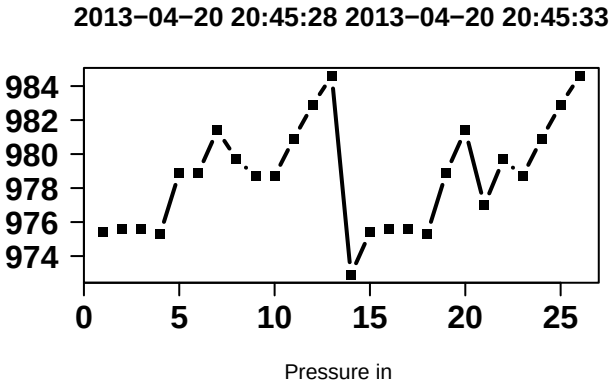

2013−04−19 21:57:45 2013−04−19 21:57:50
995
990
985
980
5
10
15
20
Pressure in

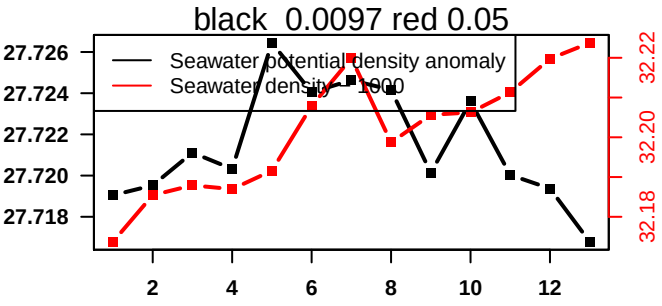

black 0.0091 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.28
32.25
32.22
2
4
6
8
10

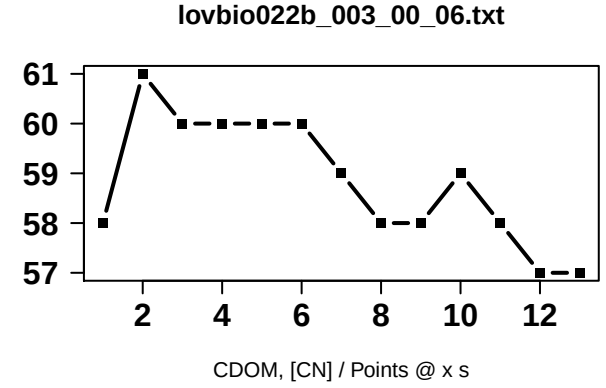

lovbio022b_002_00_06.txt
61
60
59
58
57
2
4
6
8
10
CDOM, [CN] / Points @ x s

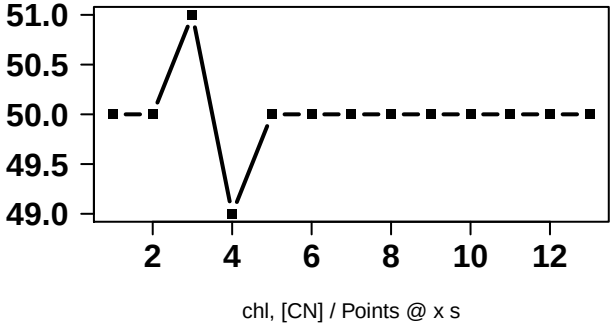

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
chl, [CN] / Points @ x s

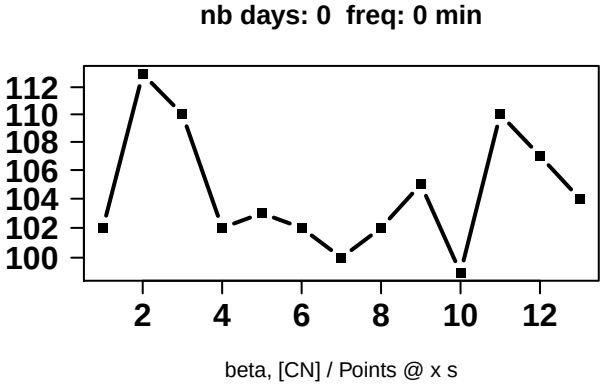

nb days: 0 freq: 0 min
220
200
180
160
140
120
2
4
6
8
10
beta, [CN] / Points @ x s

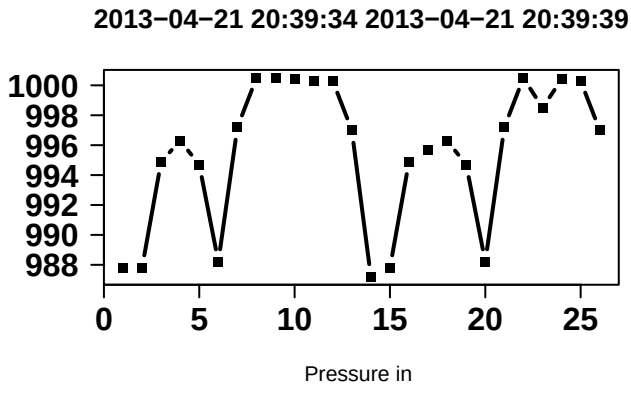

2013−04−20 20:45:28 2013−04−20 20:45:33
984
982
980
978
976
974
0
5
10
15
20
25
Pressure in

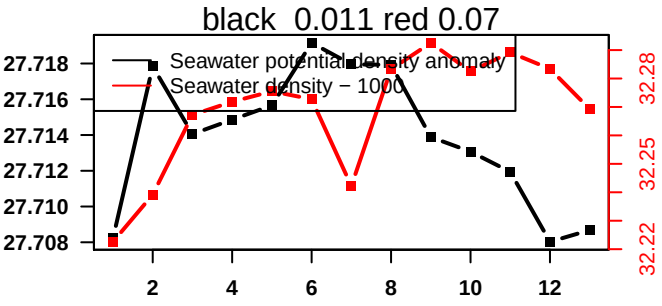

black_0.0097 red 0.05
Seawater potential density anomaly
Seawater density −1000
27.726
27.724
27.722
27.720
27.718
32.22
32.20
32.18
2
4
6
8
10
12

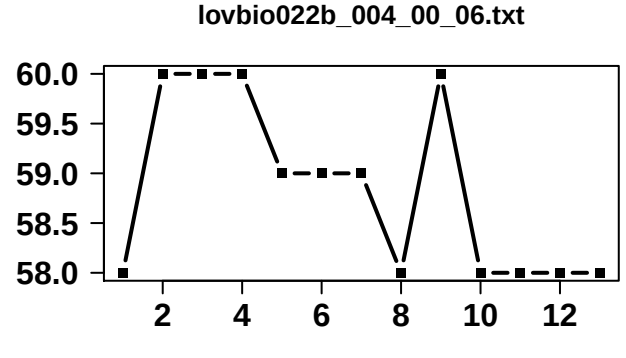

lovbio022b_003_00_06.txt
61
60
59
58
57
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

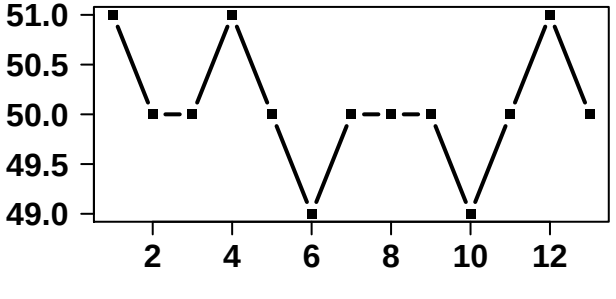

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

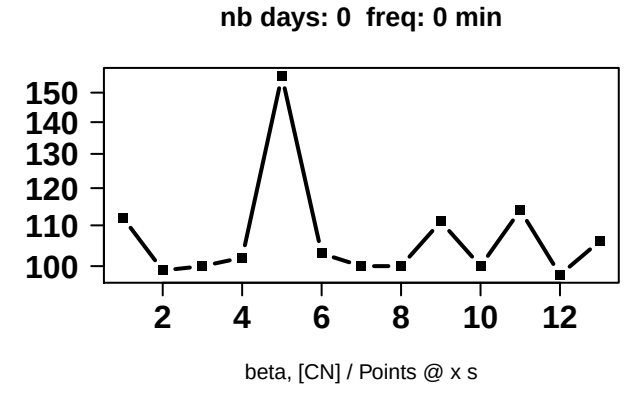

nb days: 0 freq: 0 min
112
110
108
106
104
102
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

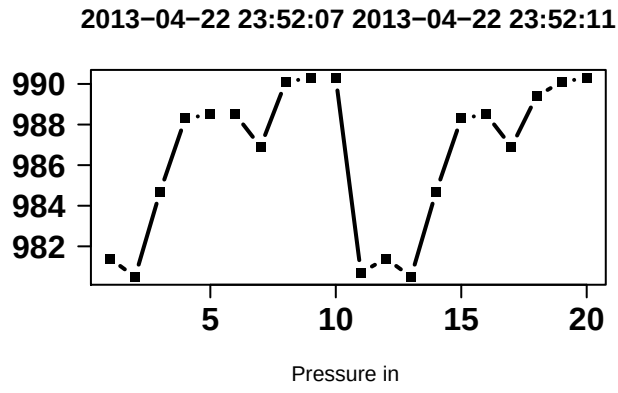

2013−04−21 20:39:34 2013−04−21 20:39:39
1000
998
996
994
992
990
988
0
5
10
15
20
25
Pressure in

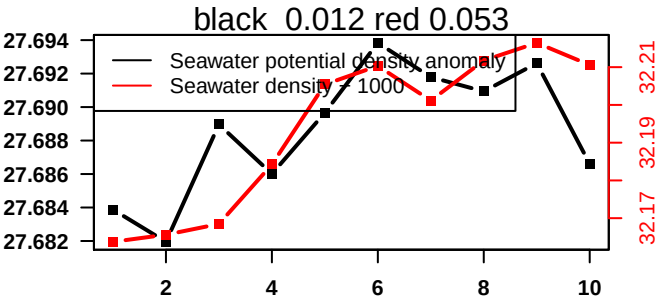

black 0.011 red 0.07
Seawater potential density anomaly
Seawater density − 1000
27.718
27.716
27.714
27.712
27.710
27.708
32.28
32.25
32.22
2
4
6
8
10
12

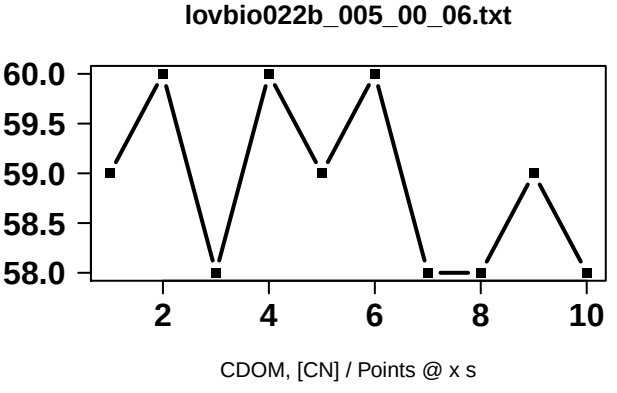

lovbio022b_004_00_06.txt
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

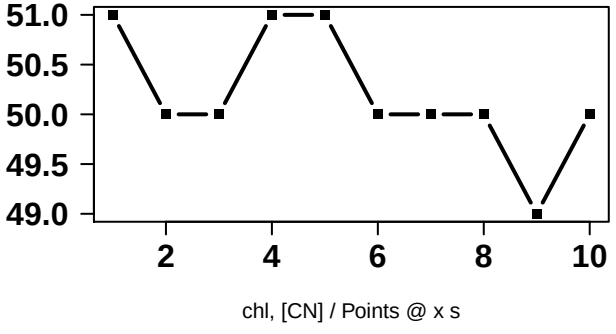

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

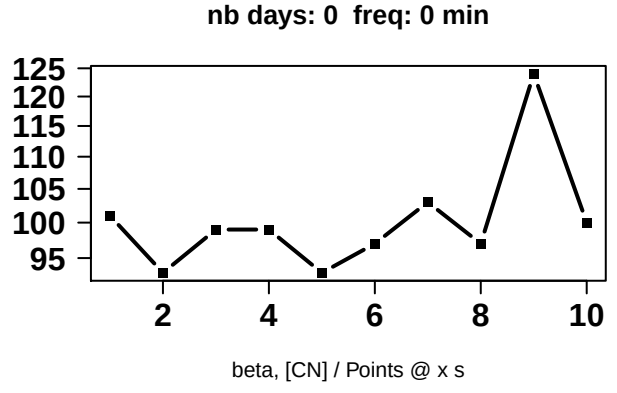

nb days: 0 freq: 0 min
150
140
130
120
110
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

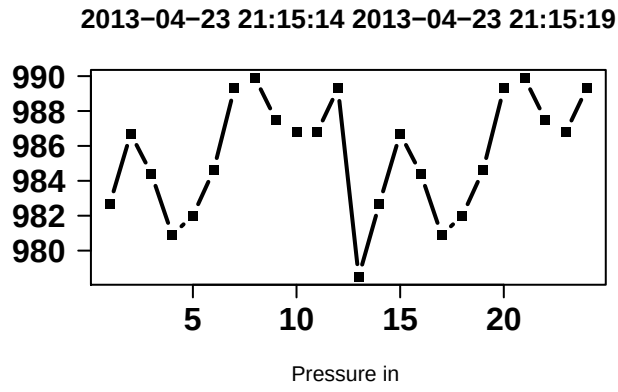

2013−04−22 23:52:07 2013−04−22 23:52:11
990
988
986
984
982
5
10
15
20
Pressure in

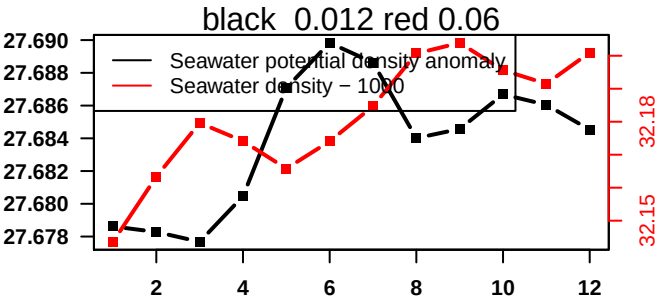

black 0.012 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.694
27.692
27.690
27.688
27.686
27.684
27.682
32.21
32.19
32.17
2
4
6
8
10

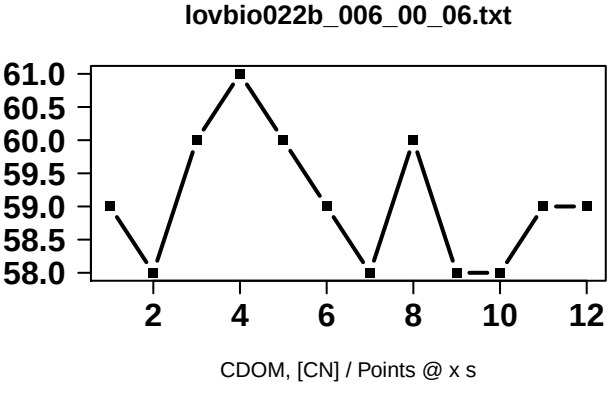

lovbio022b_005_00_06.txt
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
CDOM, [CN] / Points @ x s

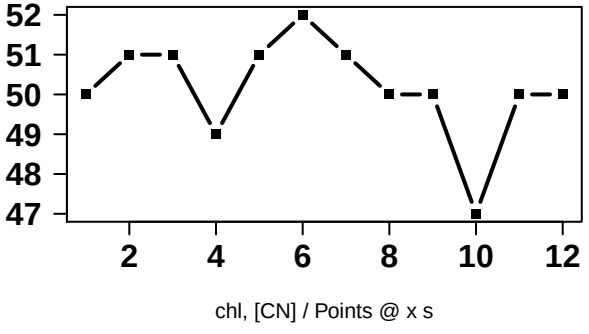

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
chl, [CN] / Points @ x s

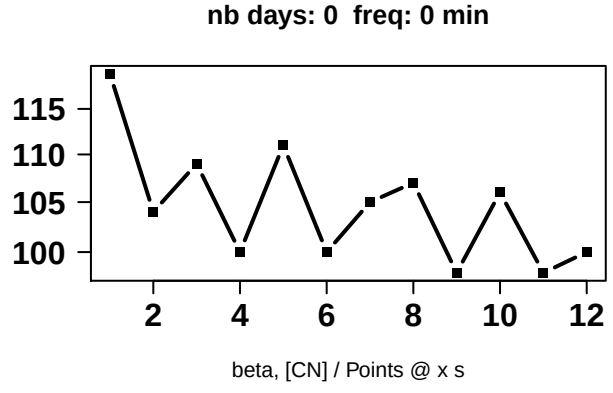

nb days: 0 freq: 0 min
125
120
115
110
105
100
95
2
4
6
8
10
beta, [CN] / Points @ x s

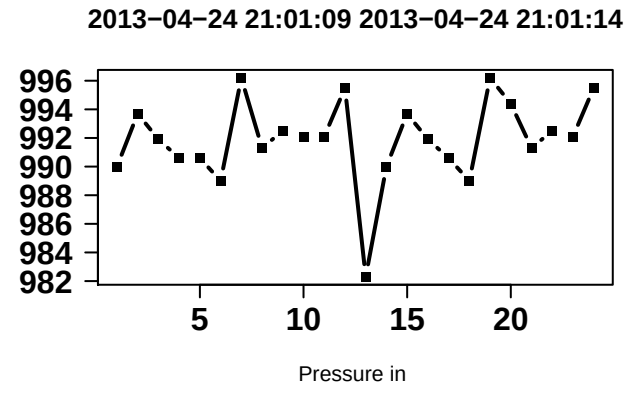

2013−04−23 21:15:14 2013−04−23 21:15:19
990
988
986
984
982
980
5
10
15
20
Pressure in

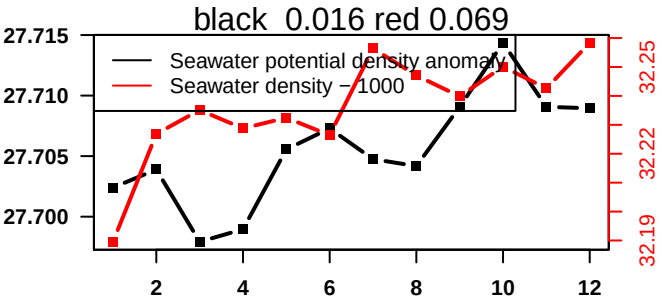

black 0.012 red 0.06
Seawater potential density anomaly
Seawater density − 1000
27.690
27.688
27.686
27.684
27.682
27.680
27.678
32.18
32.15
2
4
6
8
10
12

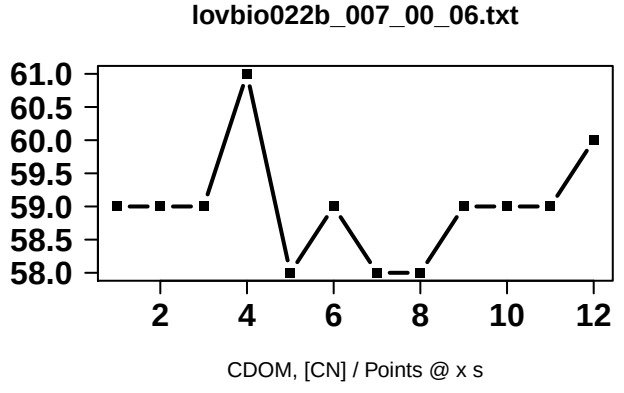

lovbio022b_006_00_06.txt
61.0
60.5
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

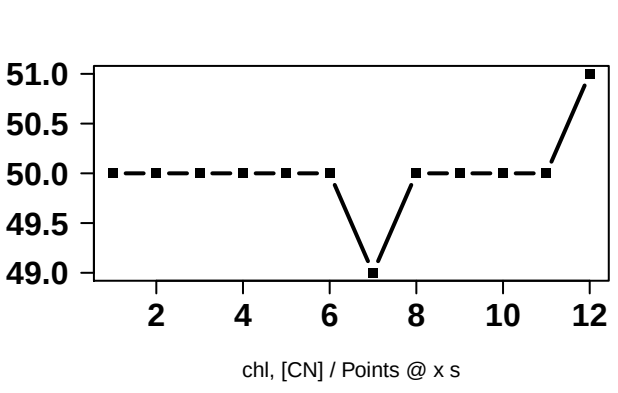

52
51
50
49
48
47
2
4
6
8
10
12
chl, [CN] / Points @ x s

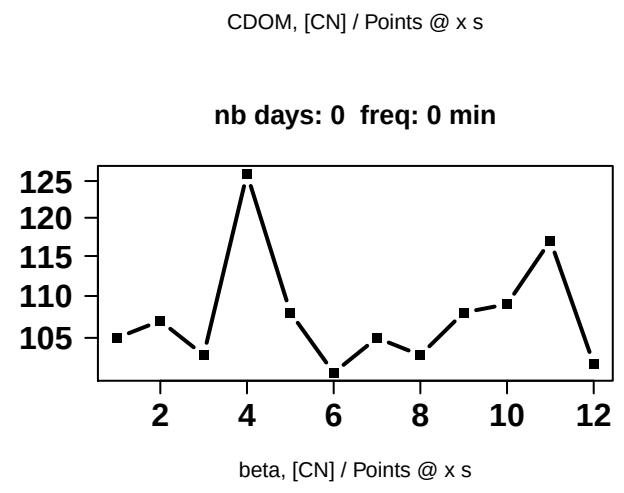

nb days: 0 freq: 0 min
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

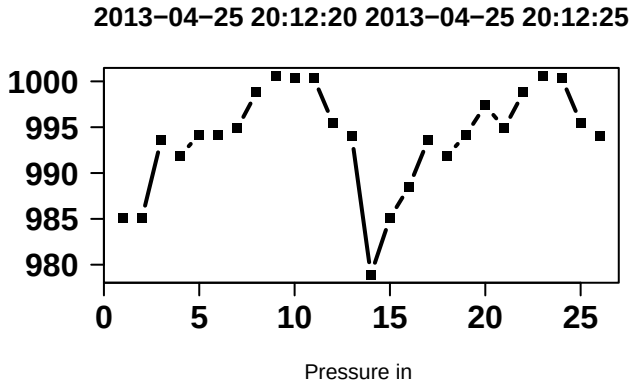

2013−04−24 21:01:09 2013−04−24 21:01:14
996
994
992
990
988
986
984
982
5
10
15
20
Pressure in

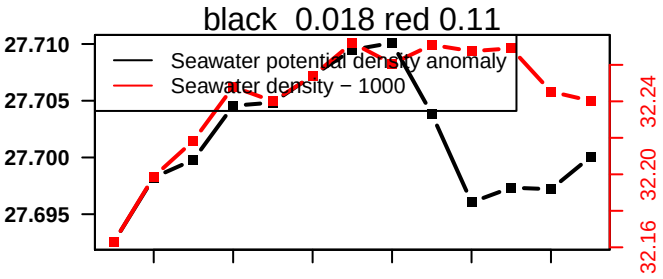

black 0.016 red 0.069
Seawater potential density anomaly
Seawater density − 1000
27.715
27.710
27.705
27.700
32.25
32.22
32.19
2
4
6
8
10
12

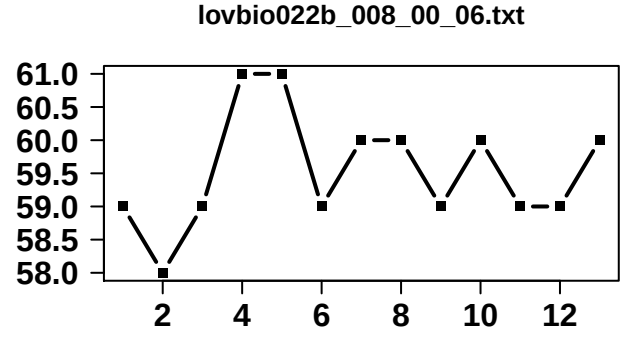

lovbio022b_007_00_06.txt
61.0
60.5
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

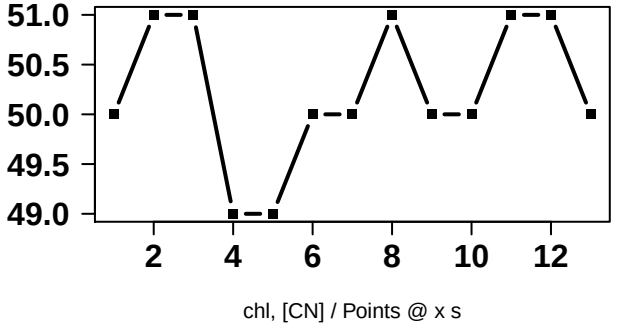

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

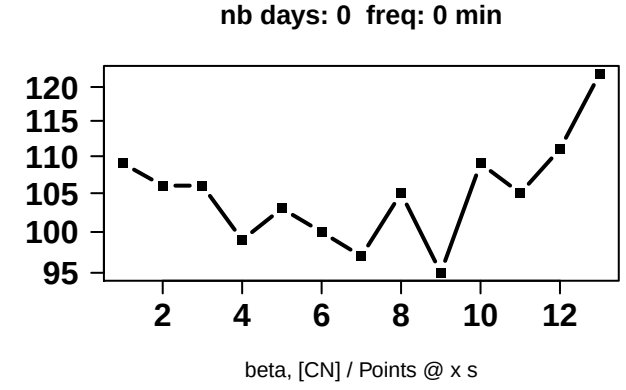

nb days: 0 freq: 0 min
125
120
115
110
105
2
4
6
8
10
12
beta, [CN] / Points @ x s

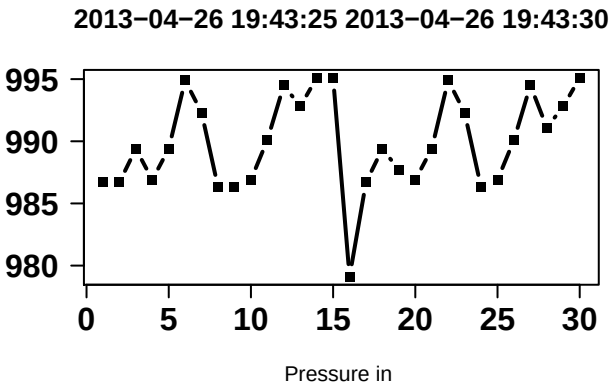

2013−04−25 20:12:20 2013−04−25 20:12:25
1000
995
990
985
980
0
5
10
15
20
25
Pressure in

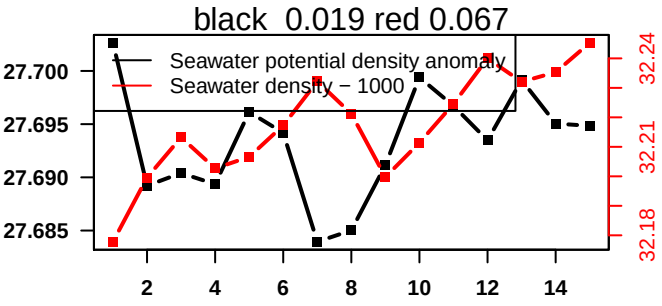

black 0.018 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.710
27.705
27.700
27.695
32.24
32.20
32.16
2
4
6
8
10
12

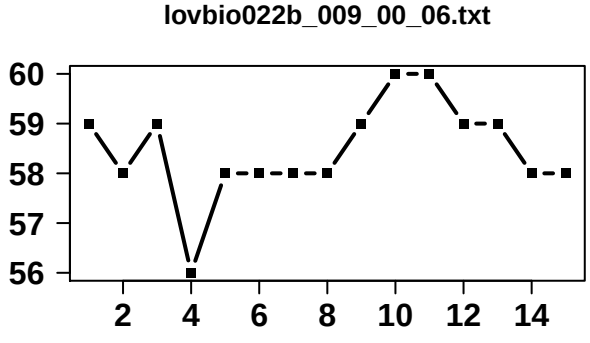

lovbio022b_008_00_06.txt
61.0
60.5
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

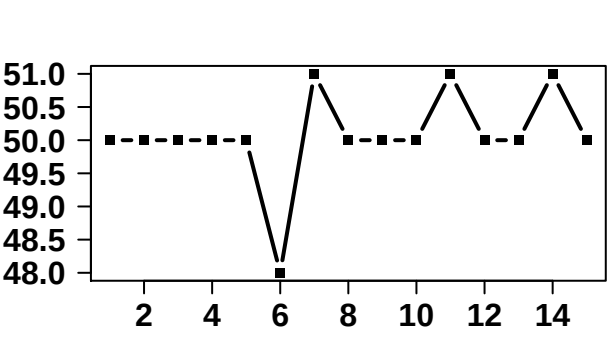

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

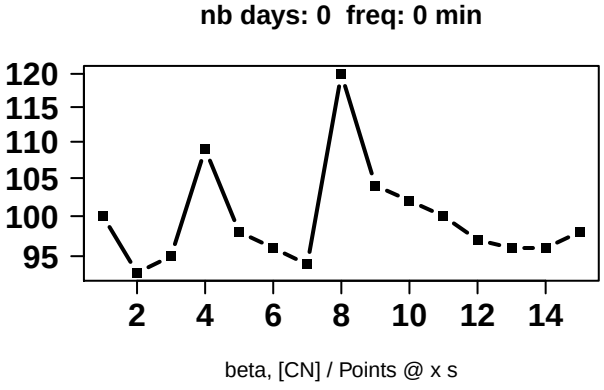

nb days: 0 freq: 0 min
120
115
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

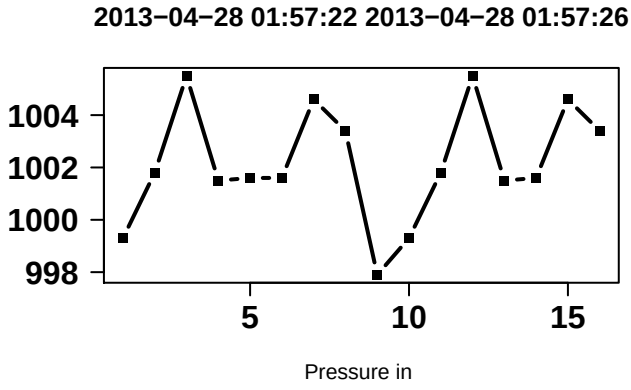

2013−04−26 19:43:25 2013−04−26 19:43:30
995
990
985
980
0
5
10
15
20
25
30
Pressure in

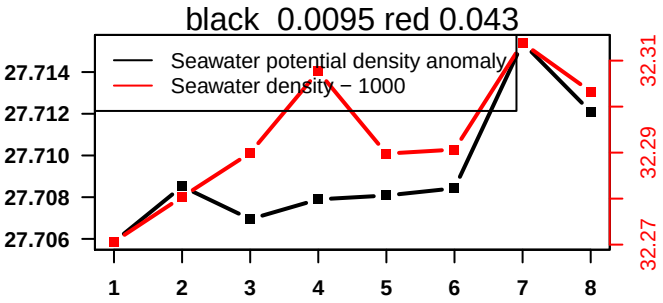

black 0.019 red 0.067
Seawater potential density anomaly
Seawater density − 1000
27.700
27.695
27.690
27.685
32.24
32.21
32.18
2
4
6
8
10
12
14

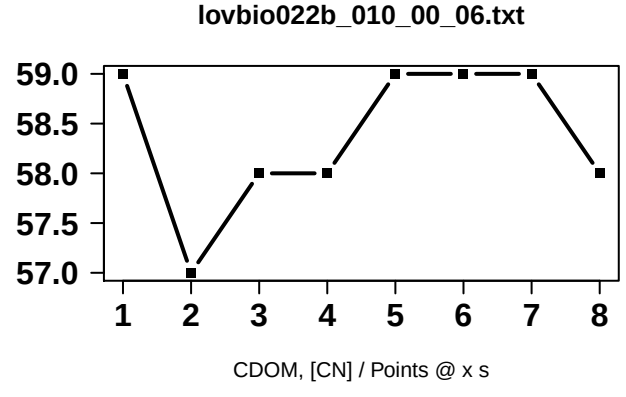

lovbio022b_009_00_06.txt
60
59
58
57
56
2
4
6
8
10
12
14
CDOM, [CN] / Points @ x s

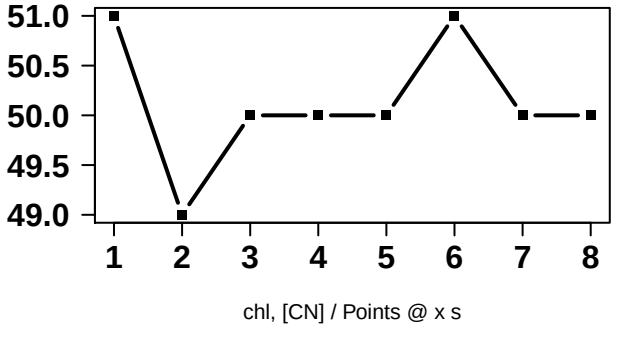

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
14
chl, [CN] / Points @ x s

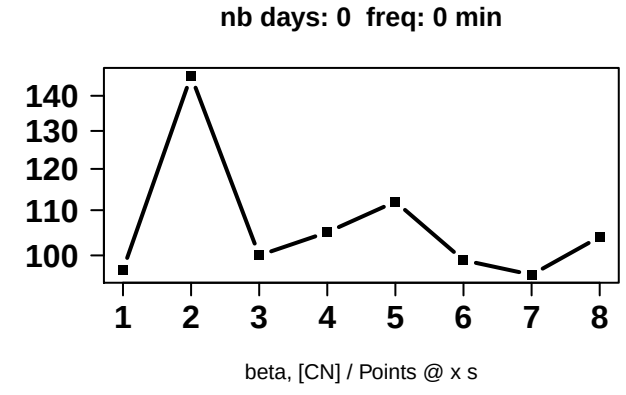

nb days: 0 freq: 0 min
120
115
110
105
100
95
2
4
6
8
10
12
14
beta, [CN] / Points @ x s

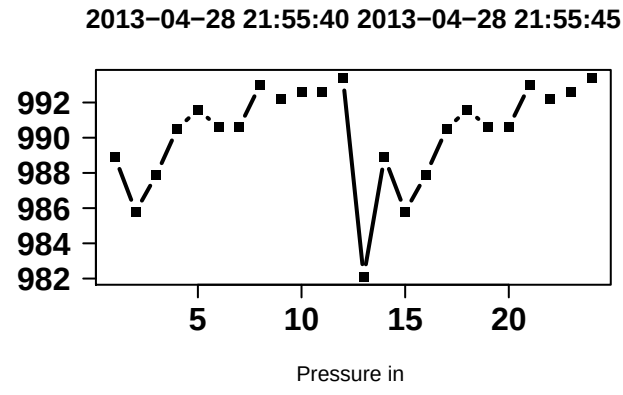

2013−04−28 01:57:22 2013−04−28 01:57:26
1004
1002
1000
998
5
10
15
Pressure in

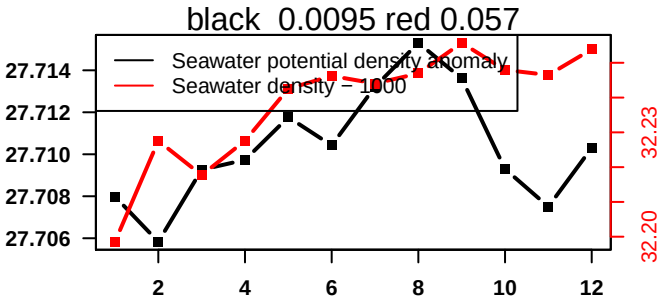

black 0.0095 red 0.043
Seawater potential density anomaly
Seawater density − 1000
27.714
27.712
27.710
27.708
27.706
32.31
32.29
32.27
1
2
3
4
5
6
7
8

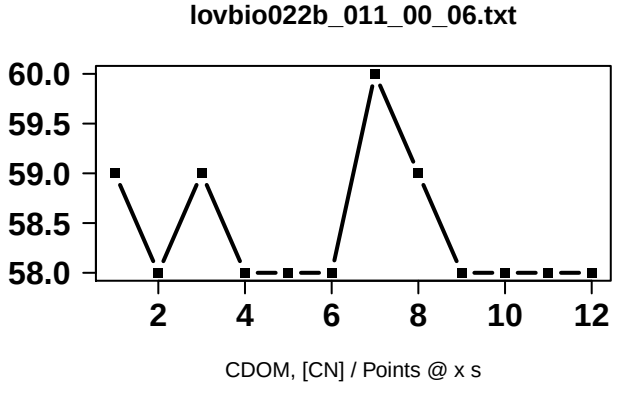

lovbio022b_010_00_06.txt
59.0
58.5
58.0
57.5
57.0
1
2
3
4
5
6
7
8
CDOM, [CN] / Points @ x s

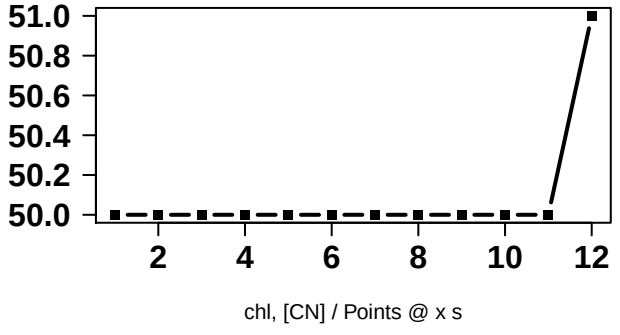

51.0
50.5
50.0
49.5
49.0
1
2
3
4
5
6
7
8
chl, [CN] / Points @ x s

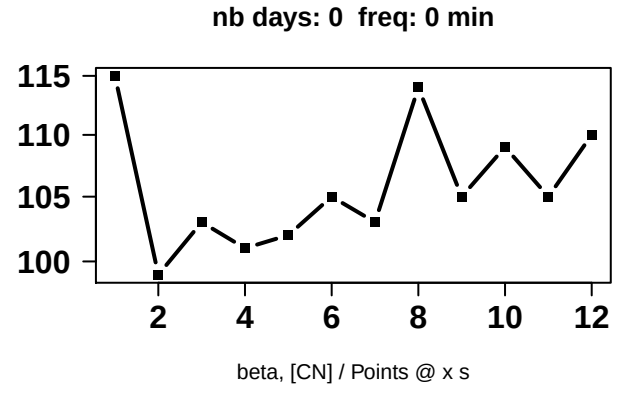

nb days: 0 freq: 0 min
140
130
120
110
100
1
2
3
4
5
6
7
8
beta, [CN] / Points @ x s

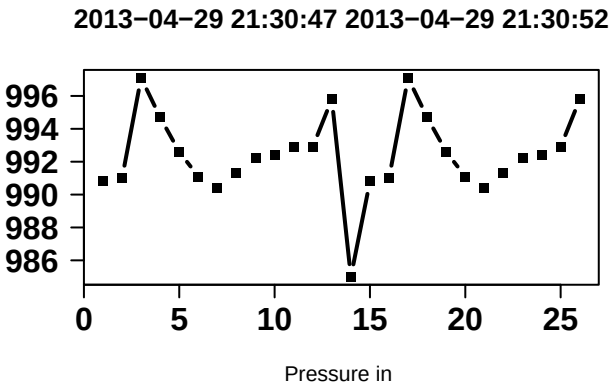

2013−04−28 21:55:40 2013−04−28 21:55:45
992
990
988
986
984
982
5
10
15
20
Pressure in

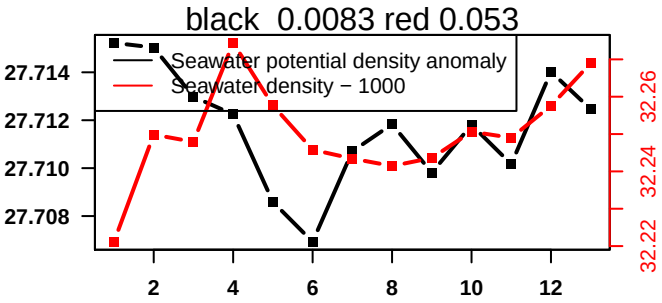

black 0.0095 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.714
27.712
27.710
27.708
27.706
32.23
32.20
2
4
6
8
10
12

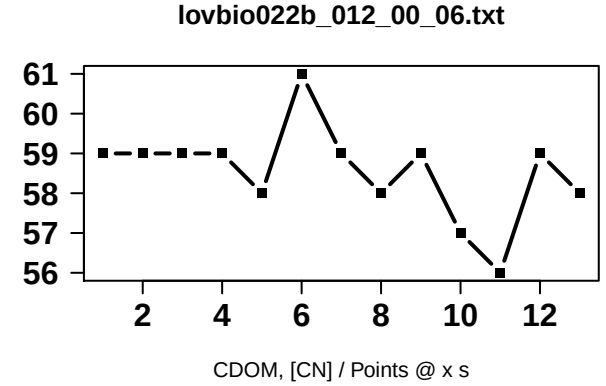

lovbio022b_011_00_06.txt
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

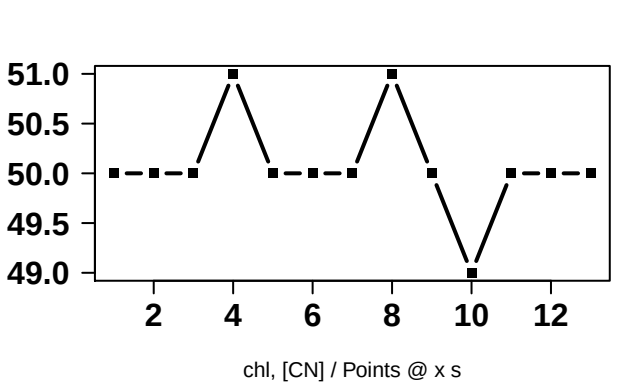

51.0
50.8
50.6
50.4
50.2
50.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

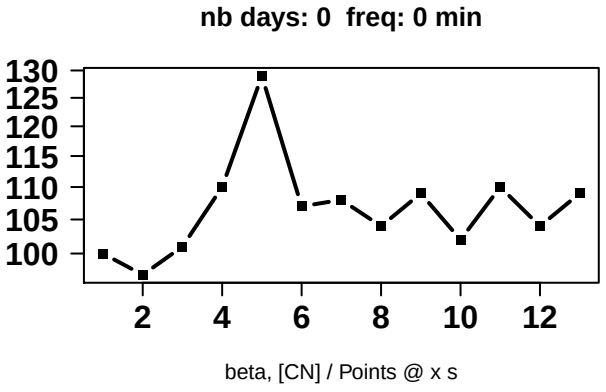

nb days: 0 freq: 0 min
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

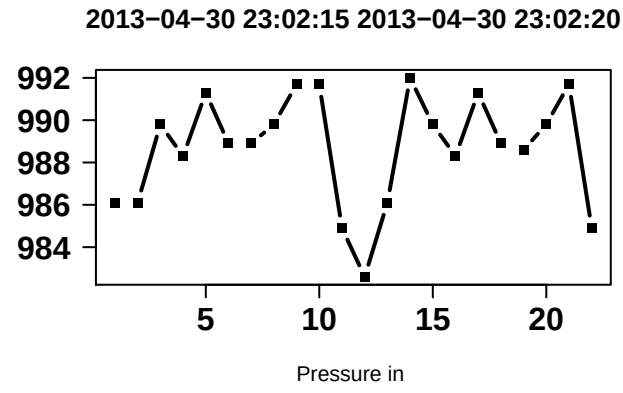

2013−04−29 21:30:47 2013−04−29 21:30:52
996
994
992
990
988
986
0
5
10
15
20
25
Pressure in

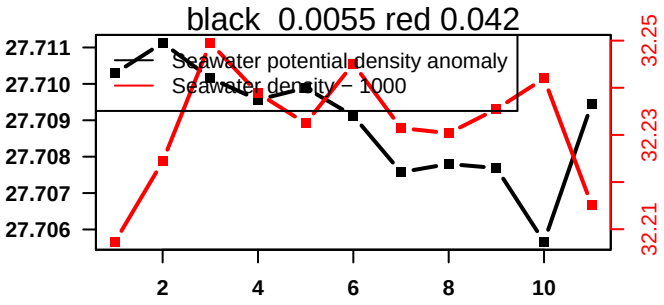

black 0.0083 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.714
27.712
27.710
27.708
2
4
6
8
10
12
32.26
32.24
32.22

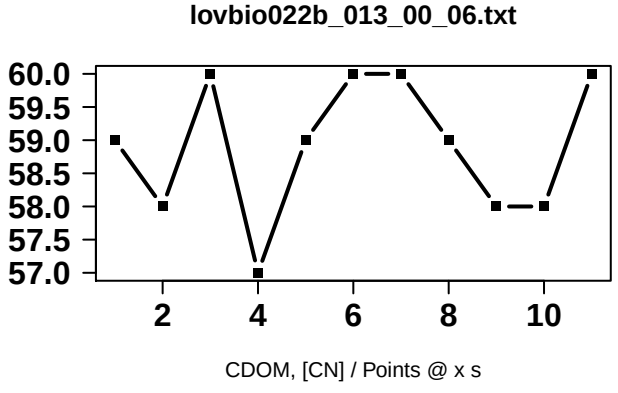

lovbio022b_012_00_06.txt
61
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

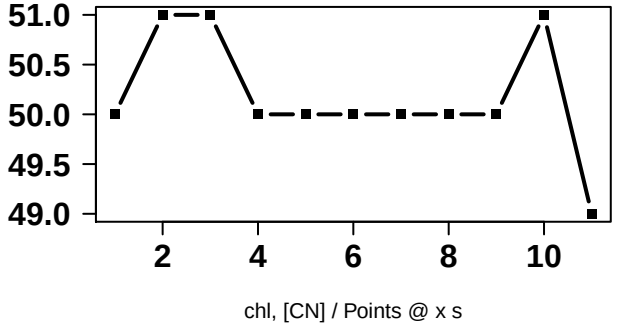

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

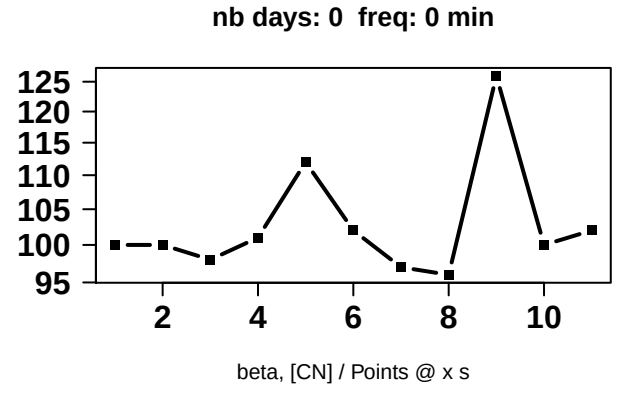

nb days: 0 freq: 0 min
130
125
120
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

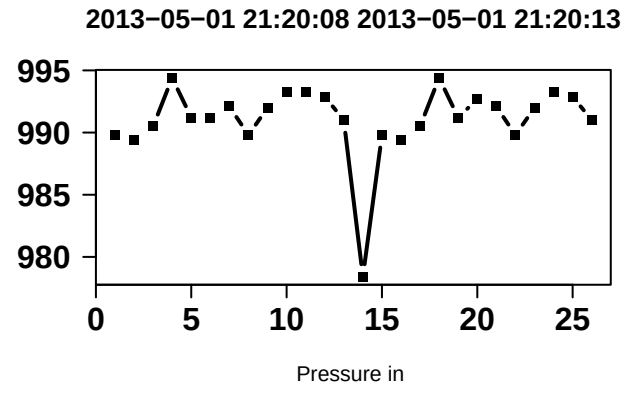

2013−04−30 23:02:15 2013−04−30 23:02:20
992
990
988
986
984
5
10
15
20
Pressure in

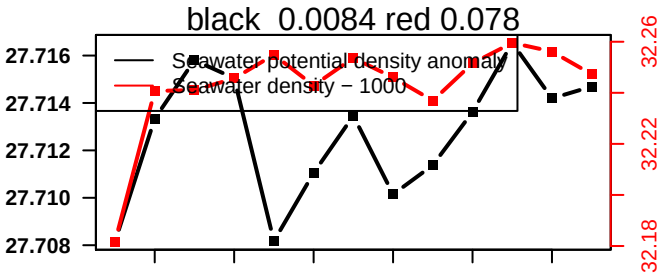

black 0.0055 red 0.042
Seawater potential density anomaly
Seawater density − 1000
27.711
27.710
27.709
27.708
27.707
27.706
32.25
32.23
32.21
2
4
6
8
10

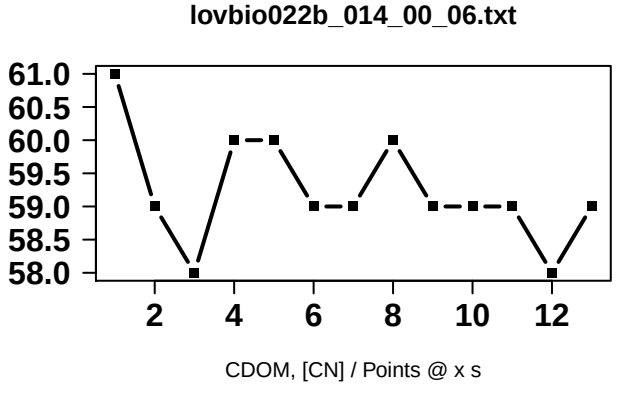

lovbio022b_013_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
CDOM, [CN] / Points @ x s

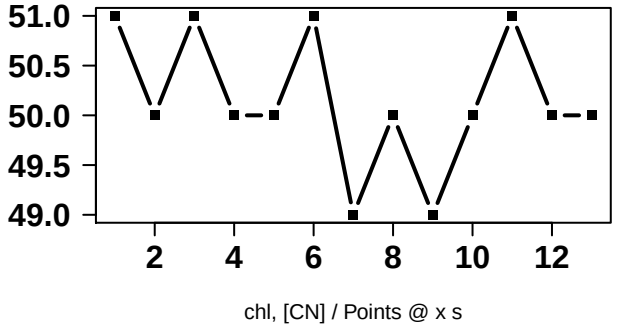

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
chl, [CN] / Points @ x s

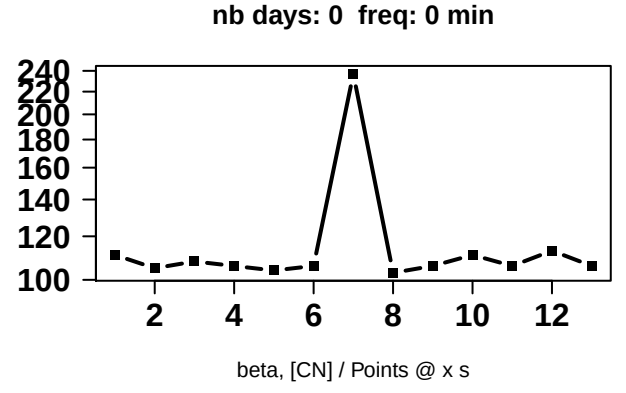

nb days: 0 freq: 0 min
125
120
115
110
105
100
95
2
4
6
8
10
beta, [CN] / Points @ x s

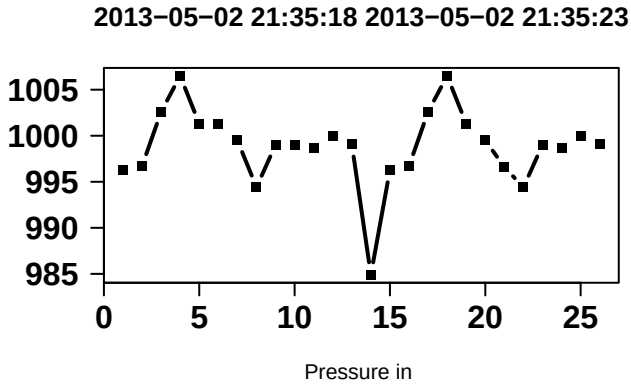

2013−05−01 21:20:08 2013−05−01 21:20:13
995
990
985
980
0
5
10
15
20
25
Pressure in

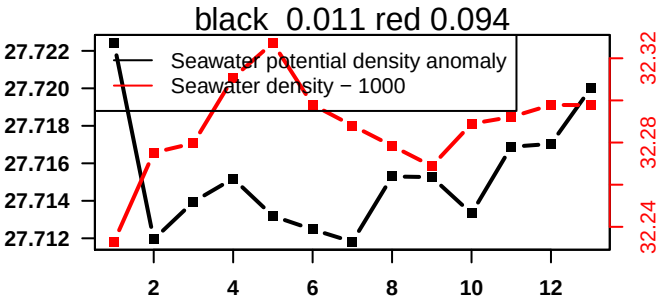

black 0.0084 red 0.078
Seawater potential density anomaly
Seawater density − 1000
27.716
27.714
27.712
27.710
27.708
32.26
32.22
32.18
2
4
6
8
10
12

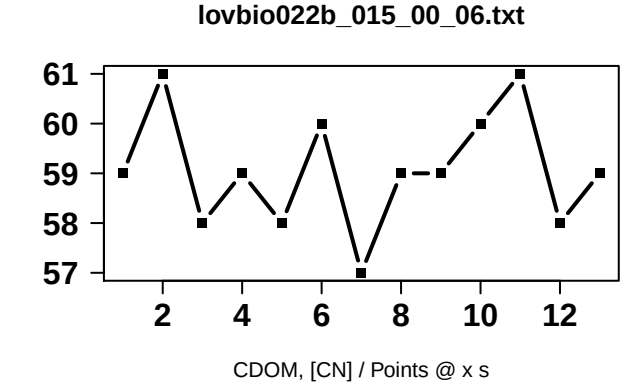

lovbio022b_014_00_06.txt
61.0
60.5
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

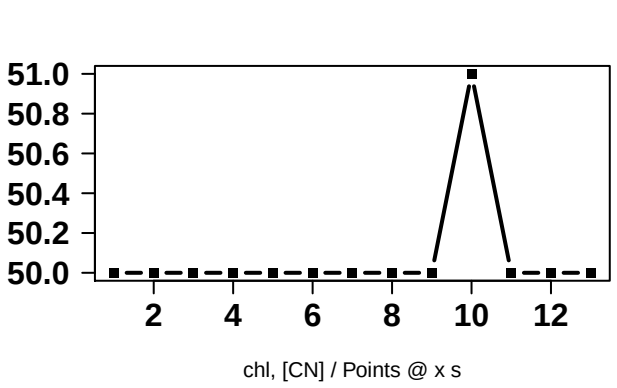

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

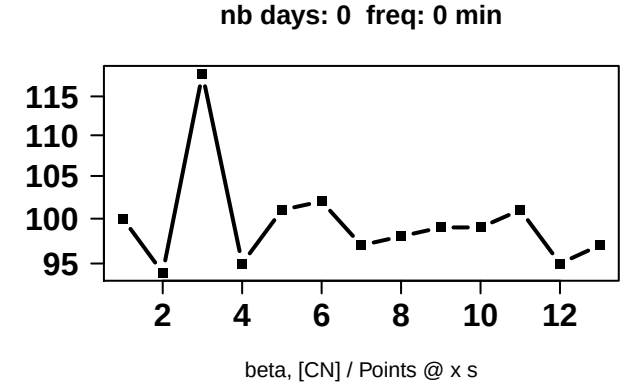

nb days: 0 freq: 0 min
240
220
200
180
160
140
120
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

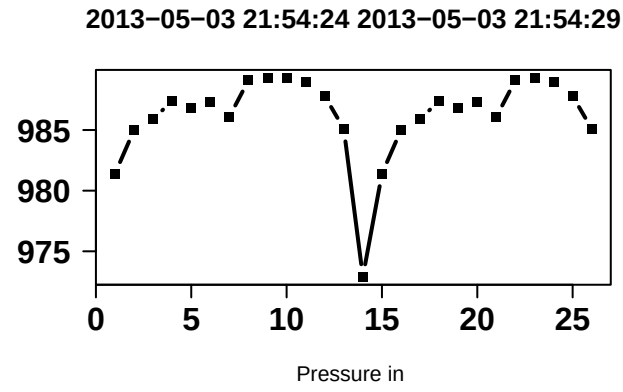

2013−05−02 21:35:18 2013−05−02 21:35:23
1005
1000
995
990
985
0
5
10
15
20
25
Pressure in

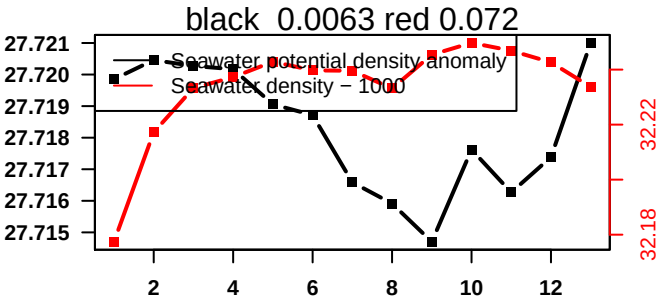

black 0.011 red 0.094
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
27.712
32.32
32.28
32.24
2
4
6
8
10
12

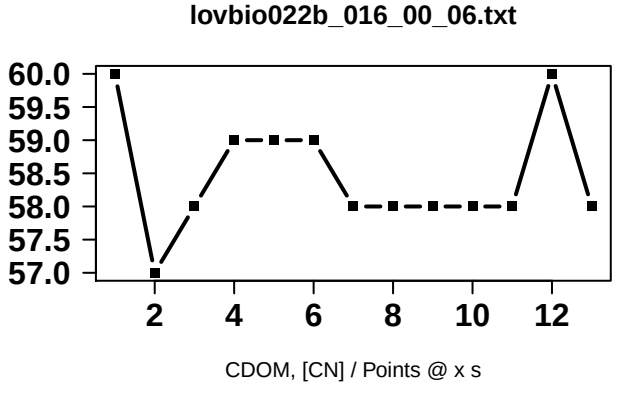

lovbio022b_015_00_06.txt
61
60
59
58
57
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

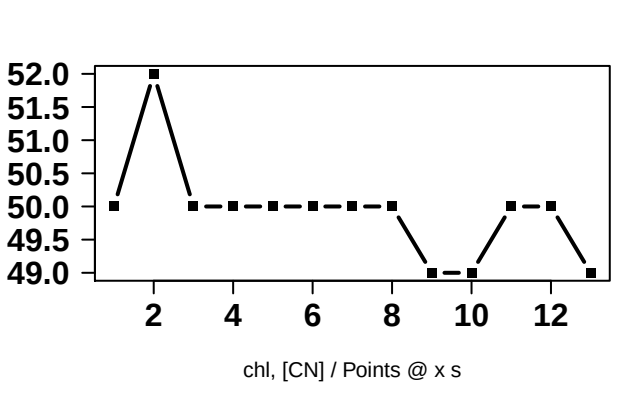

51.0
50.8
50.6
50.4
50.2
50.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

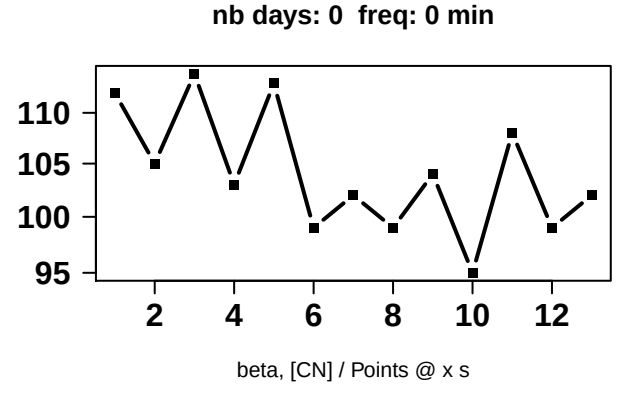

nb days: 0 freq: 0 min
115
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

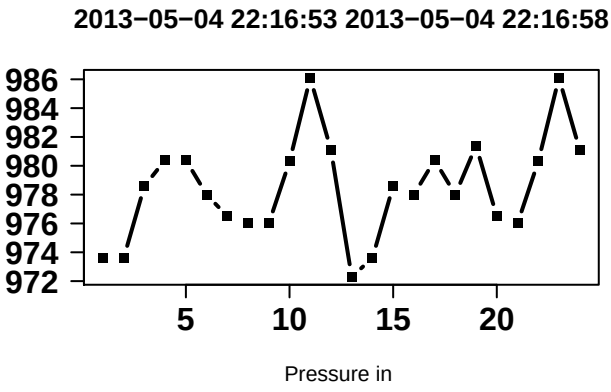

2013−05−03 21:54:24 2013−05−03 21:54:29
985
980
975
0
5
10
15
20
25
Pressure in

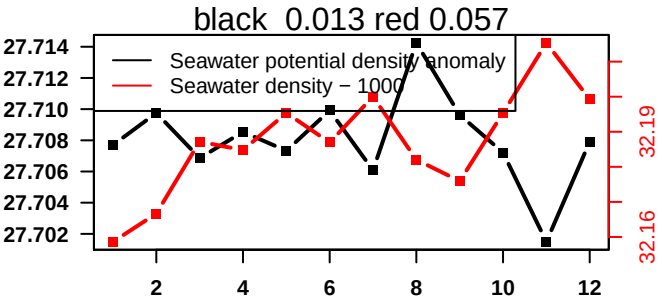

black 0.0063 red 0.072
Seawater potential density anomaly
Seawater density − 1000
27.721
27.720
27.719
27.718
27.717
27.716
27.715
32.22
32.18
2
4
6
8
10
12

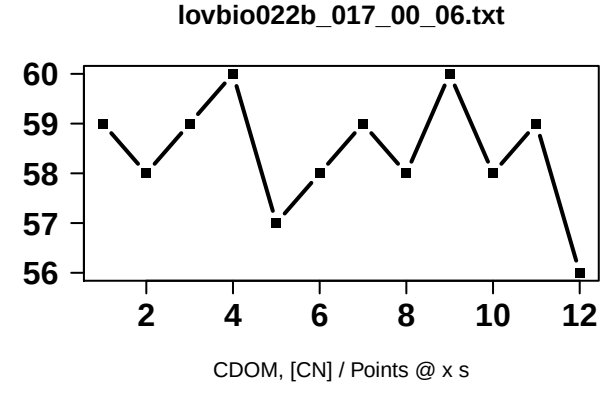

lovbio022b_016_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

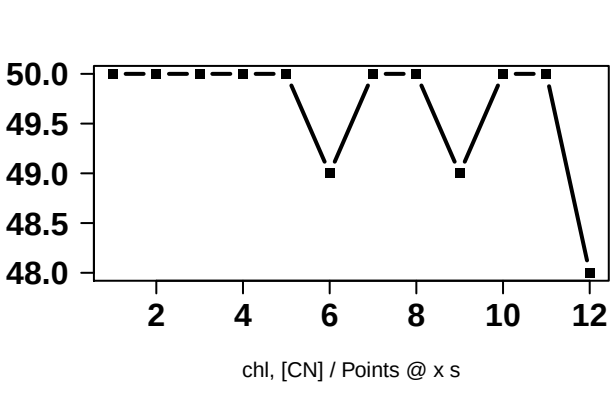

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

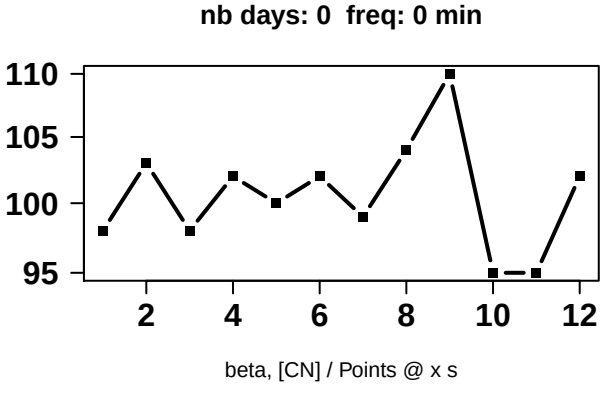

nb days: 0 freq: 0 min
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

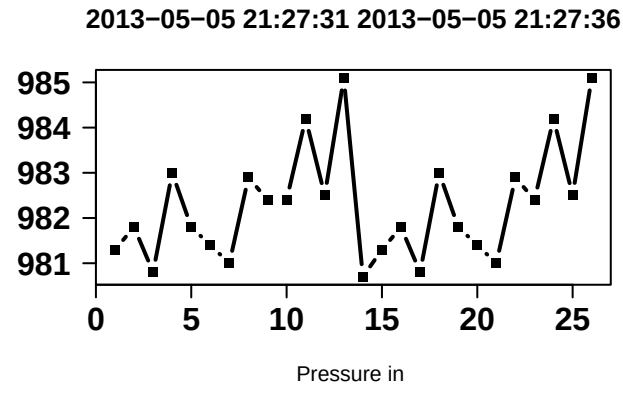

2013−05−04 22:16:53 2013−05−04 22:16:58
986
984
982
980
978
976
974
972
5
10
15
20
Pressure in

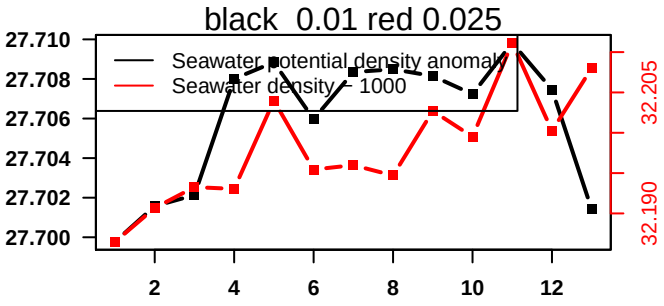

black 0.013 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.714
27.712
27.710
27.708
27.706
27.704
27.702
32.19
32.16
2
4
6
8
10
12

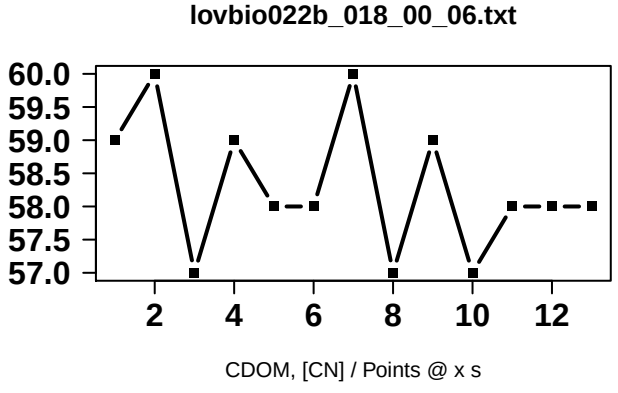

lovbio022b_017_00_06.txt
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

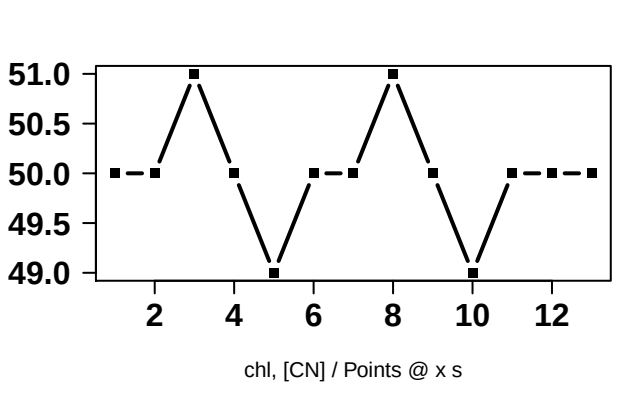

50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

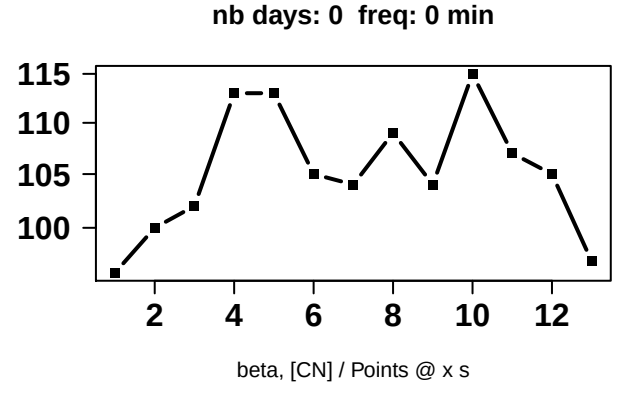

nb days: 0 freq: 0 min
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

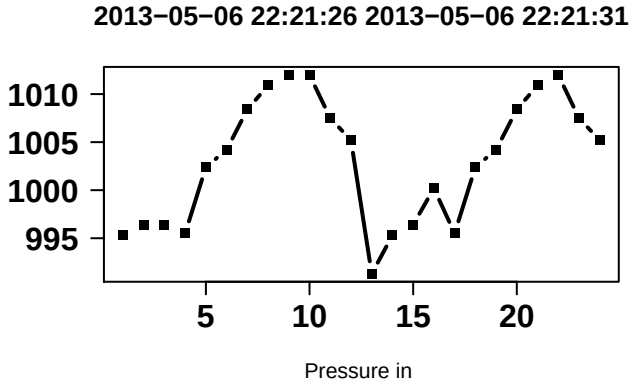

2013−05−05 21:27:31 2013−05−05 21:27:36
985
984
983
982
981
0
5
10
15
20
25
Pressure in

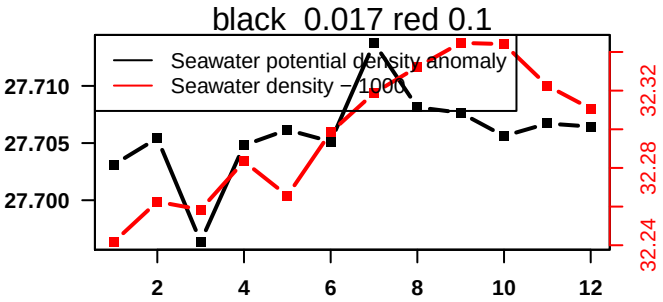

black 0.01 red 0.025
Seawater potential density anomaly
Seawater density − 1000
27.710
27.708
27.706
27.704
27.702
27.700
32.205
32.190
2
4
6
8
10
12

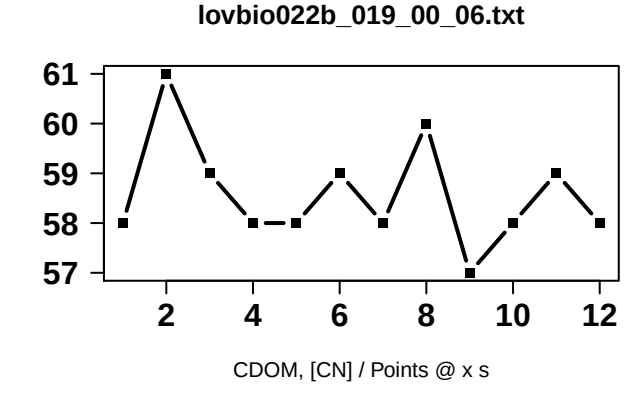

lovbio022b_018_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

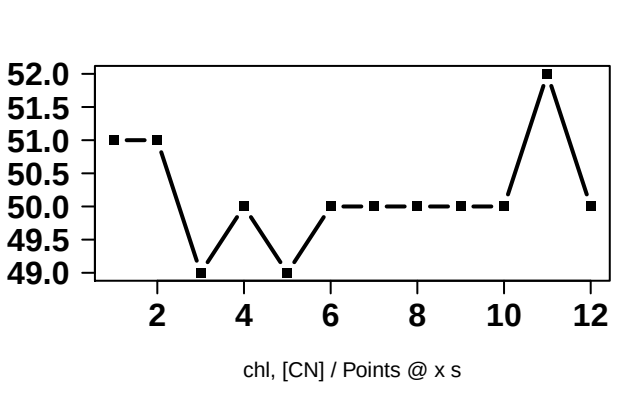

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

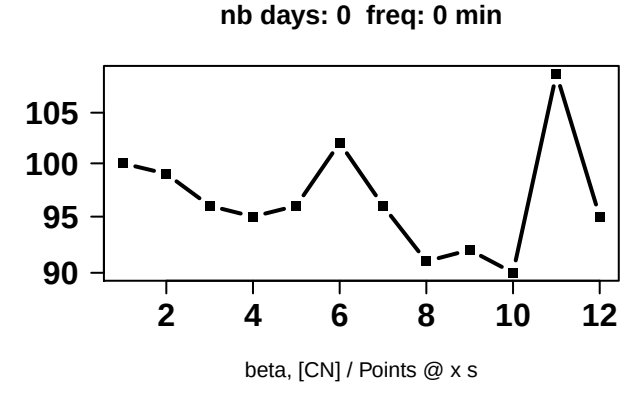

nb days: 0 freq: 0 min
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

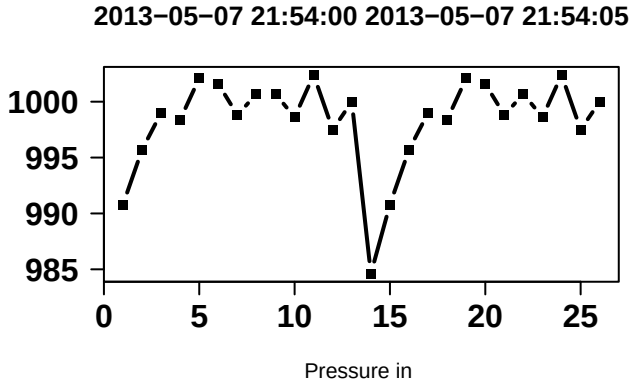

2013−05−06 22:21:26 2013−05−06 22:21:31
1010
1005
1000
995
5
10
15
20
Pressure in

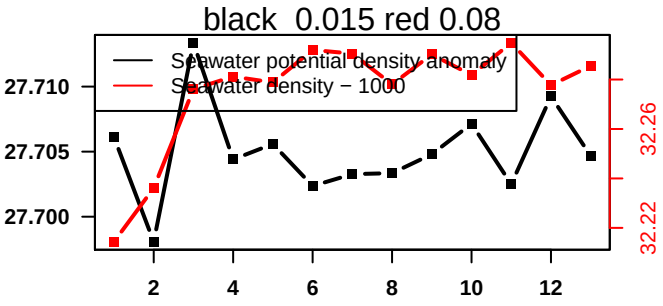

black 0.017 red 0.1
Seawater potential density anomaly
Seawater density − 1000
27.710
27.705
27.700
2
4
6
8
10
12
32.32
32.28
32.24

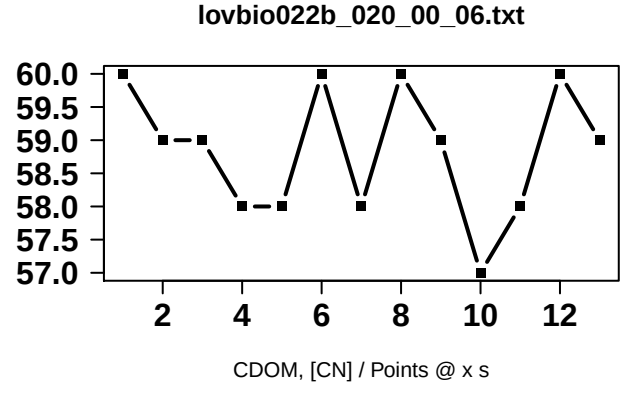

lovbio022b_019_00_06.txt
61
60
59
58
57
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

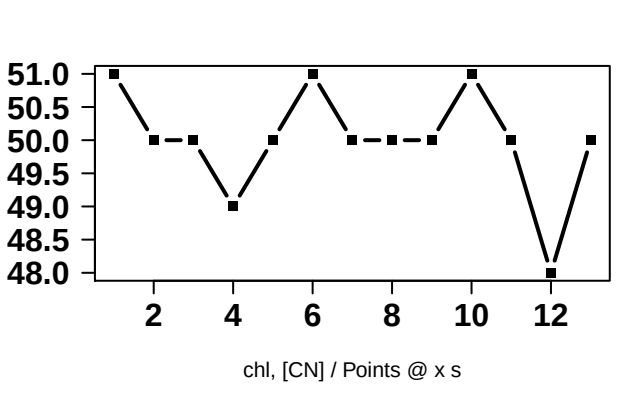

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

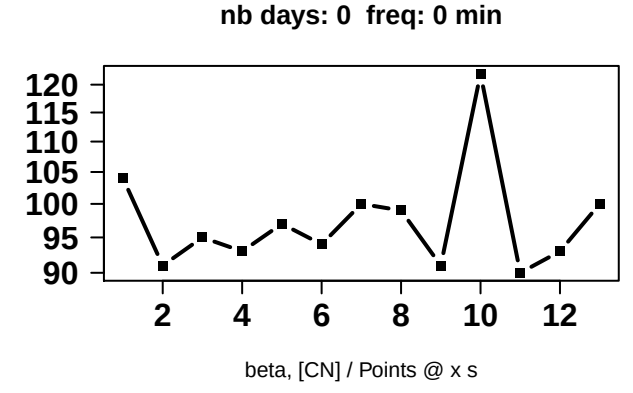

nb days: 0 freq: 0 min
105
100
95
90
2
4
6
8
10
12
beta, [CN] / Points @ x s

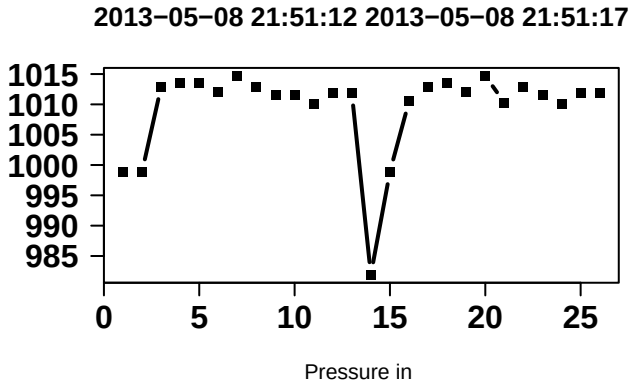

2013−05−07 21:54:00 2013−05−07 21:54:05
1000
995
990
985
0
5
10
15
20
25
Pressure in

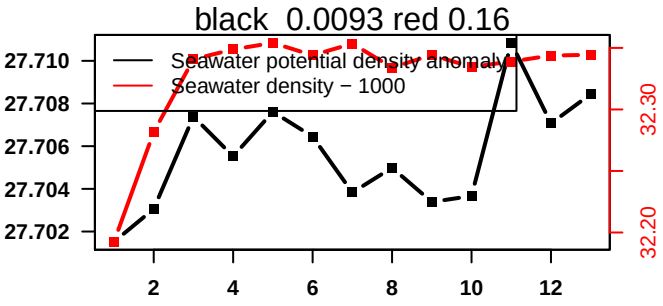

black 0.015 red 0.08
Seawater potential density anomaly
Seawater density − 1000
27.710
27.705
27.700
32.26
32.22
2
4
6
8
10
12

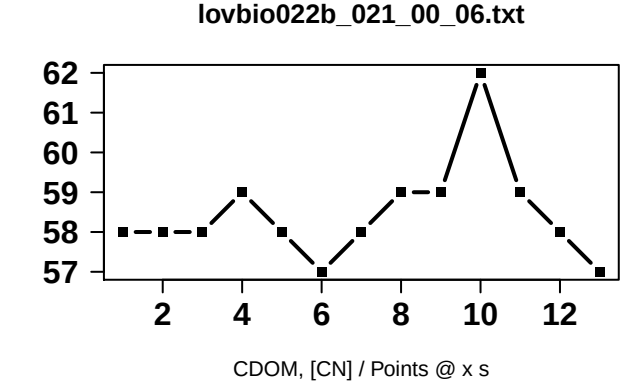

lovbio022b_020_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

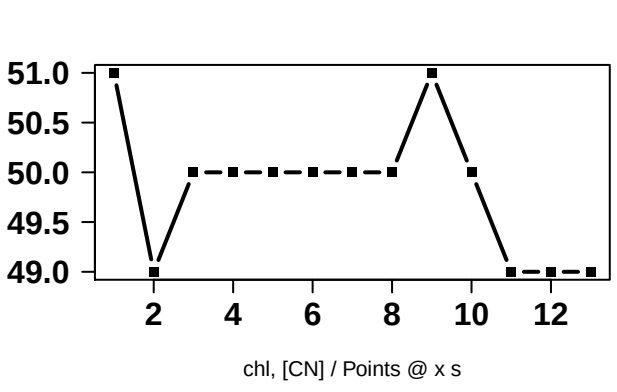

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

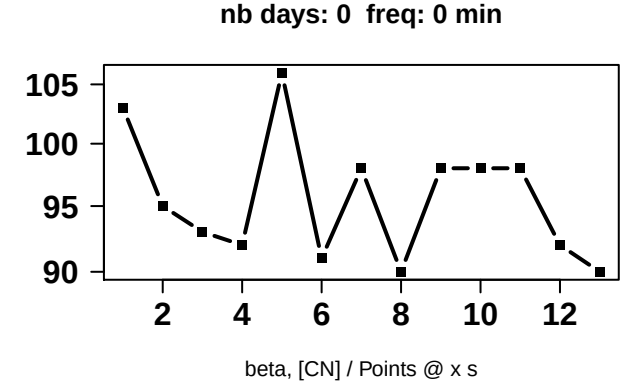

nb days: 0 freq: 0 min
120
115
110
105
100
95
90
2
4
6
8
10
12
beta, [CN] / Points @ x s

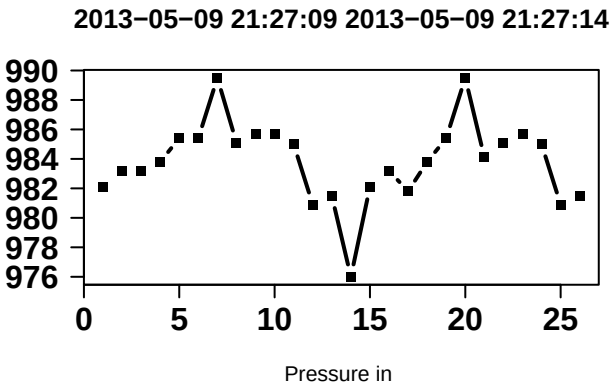

2013−05−08 21:51:12 2013−05−08 21:51:17
1015
1010
1005
1000
995
990
985
0
5
10
15
20
25
Pressure in

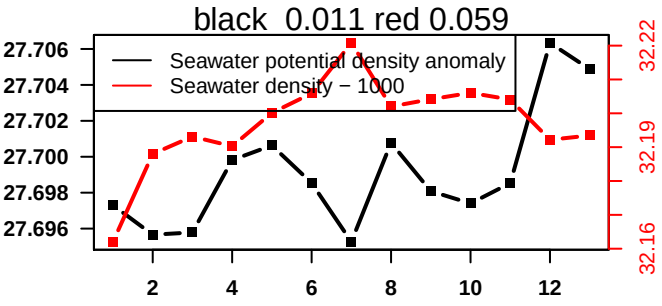

black_0.0093 red 0.16
Seawater potential density anomaly
Seawater density − 1000
27.710
27.708
27.706
27.704
27.702
32.30
32.20
2
4
6
8
10
12

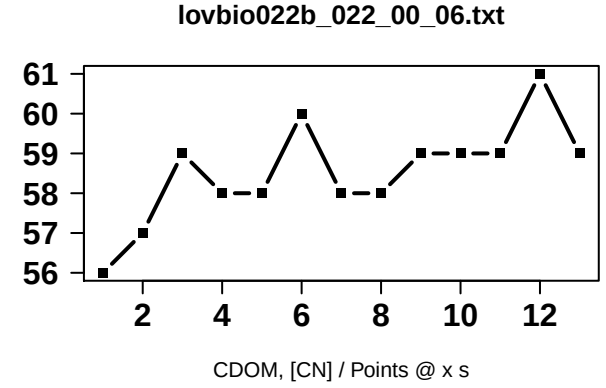

lovbio022b_021_00_06.txt
62
61
60
59
58
57
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

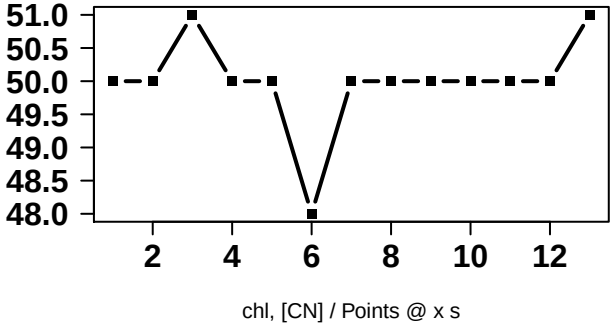

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

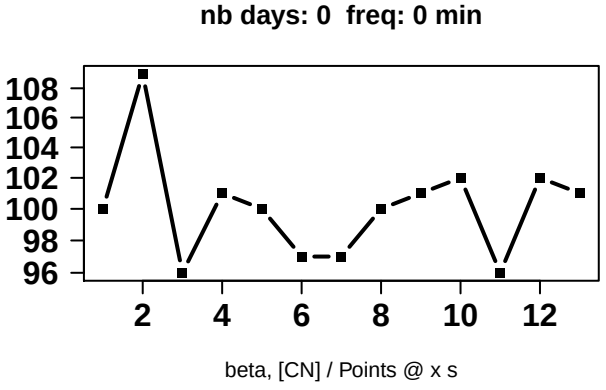

nb days: 0 freq: 0 min
105
100
95
90
2
4
6
8
10
12
beta, [CN] / Points @ x s

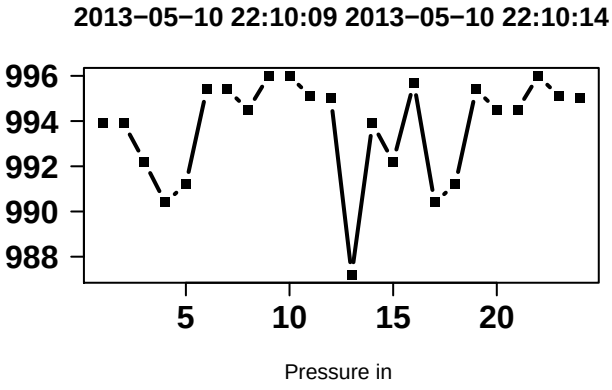

2013−05−09 21:27:09 2013−05−09 21:27:14
990
988
986
984
982
980
978
976
0
5
10
15
20
25
Pressure in

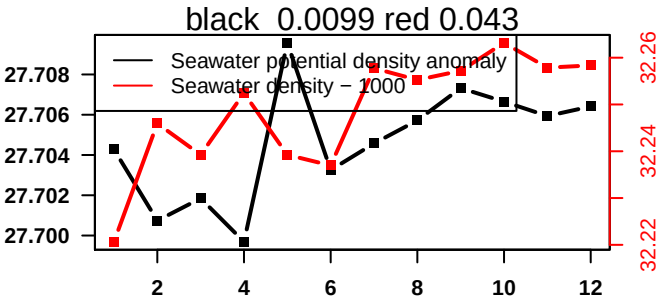

black 0.011 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.706
27.704
27.702
27.700
27.698
27.696
32.22
32.19
32.16
2
4
6
8
10
12

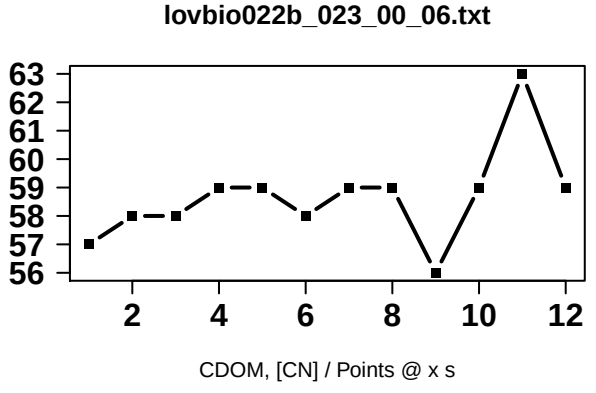

lovbio022b_022_00_06.txt
61
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

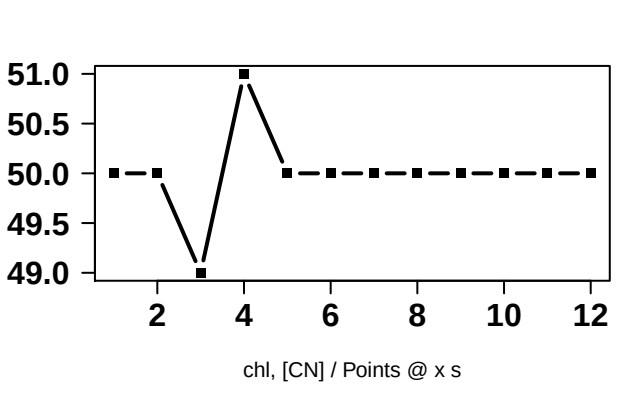

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

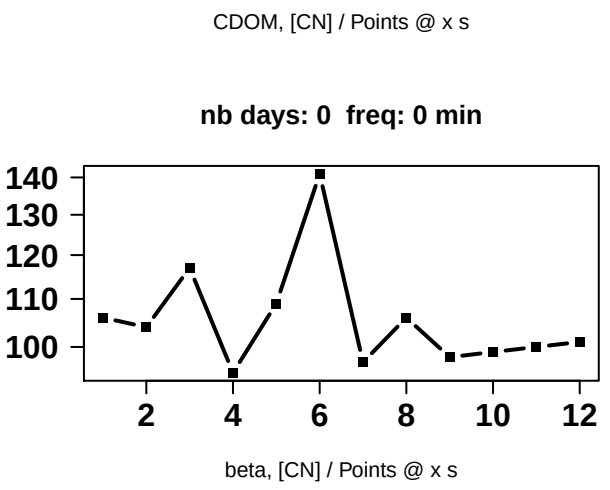

nb days: 0 freq: 0 min
108
106
104
102
100
98
96
2
4
6
8
10
12
beta, [CN] / Points @ x s

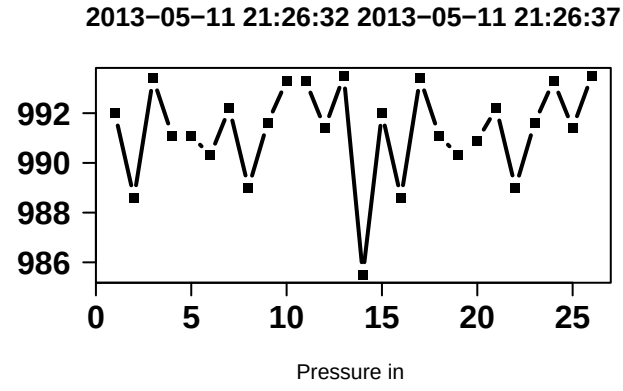

2013−05−10 22:10:09 2013−05−10 22:10:14
996
994
992
990
988
5
10
15
20
Pressure in

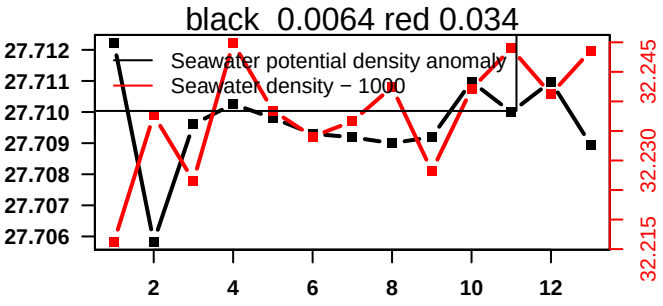

black 0.0099 red 0.043
Seawater potential density anomaly
Seawater density − 1000
27.708
27.706
27.704
27.702
27.700
32.26
32.24
32.22
2
4
6
8
10
12

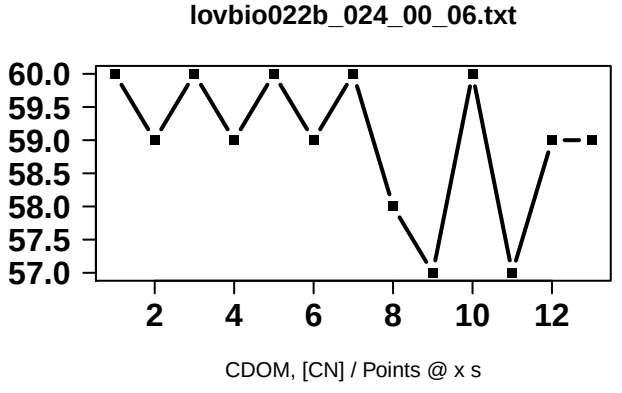

lovbio022b_023_00_06.txt
63
62
61
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

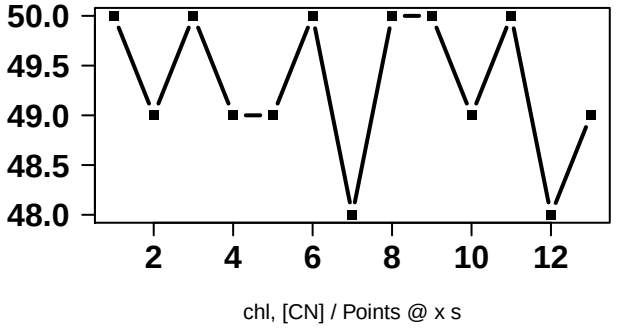

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

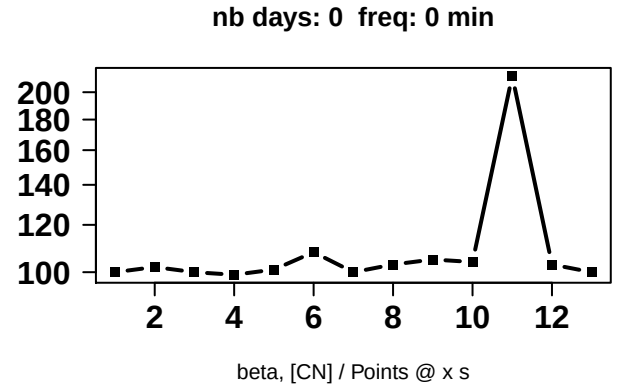

nb days: 0 freq: 0 min
140
130
120
110
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

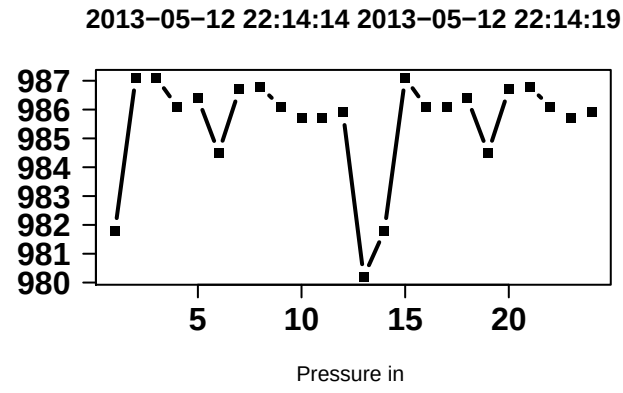

2013−05−11 21:26:32 2013−05−11 21:26:37
992
990
988
986
0
5
10
15
20
25
Pressure in

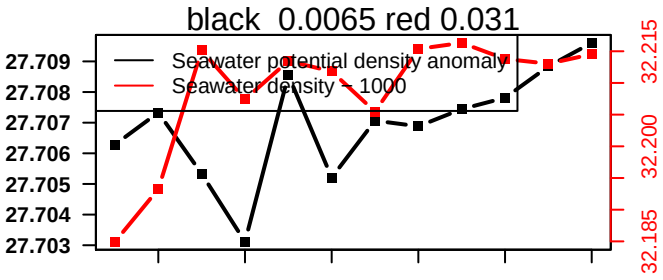

black 0.0064 red 0.034
Seawater potential density anomaly
Seawater density − 1000
27.712
27.711
27.710
27.709
27.708
27.707
27.706
32.245
32.230
32.215
2
4
6
8
10
12

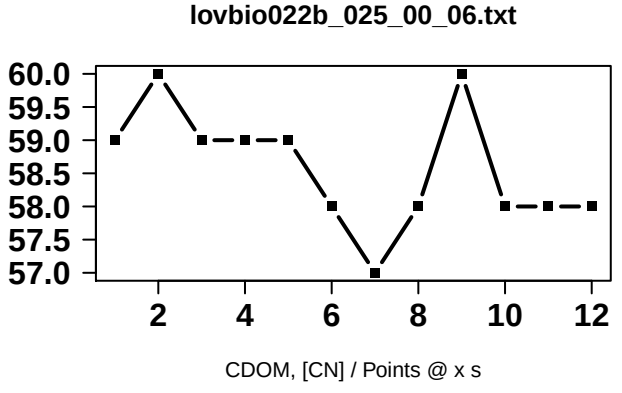

lovbio022b_024_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

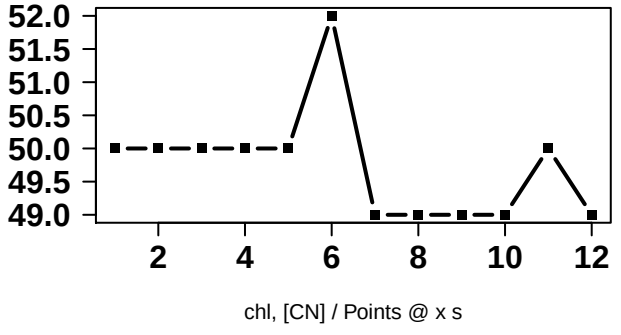

50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

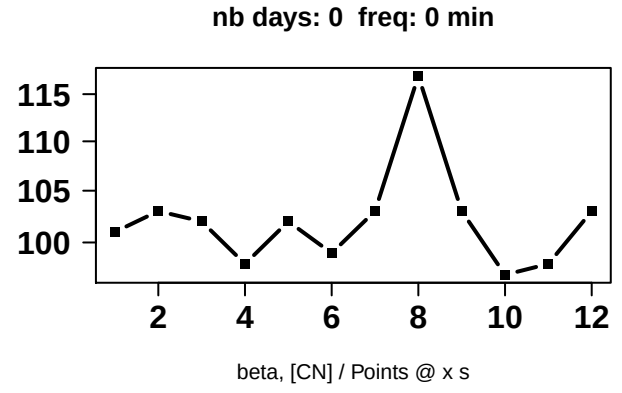

nb days: 0 freq: 0 min
200
180
160
140
120
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

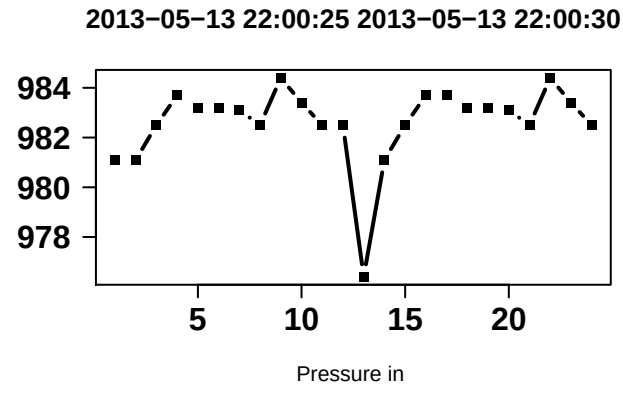

2013−05−12 22:14:14 2013−05−12 22:14:19
987
986
985
984
983
982
981
980
5
10
15
20
Pressure in

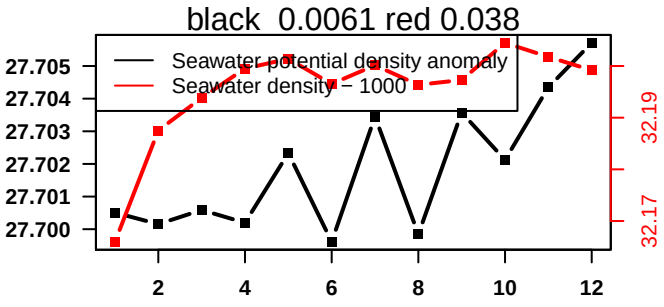

black 0.0065 red 0.031
Seawater potential density anomaly
Seawater density − 1000
27.709
27.708
27.707
27.706
27.705
27.704
27.703
32.215
32.200
32.185
2
4
6
8
10
12

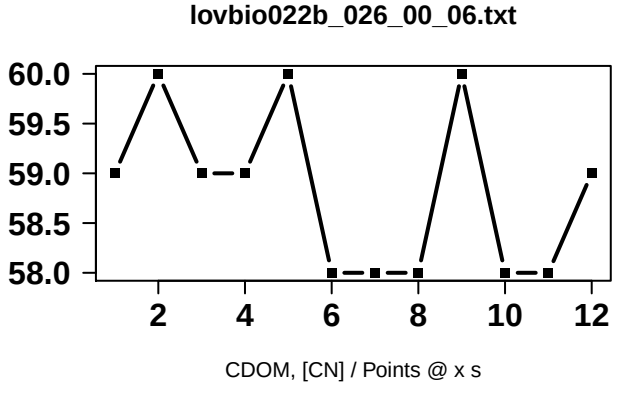

lovbio022b_025_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

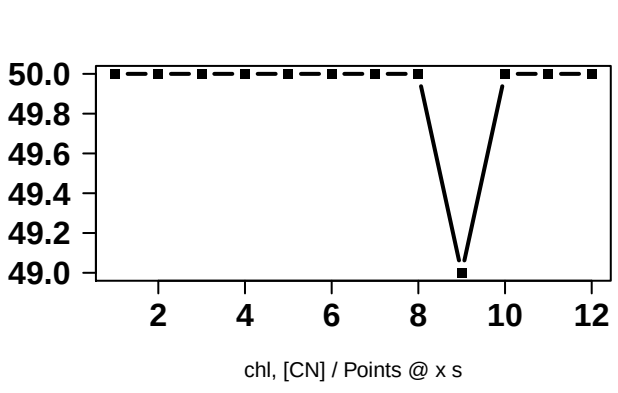

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

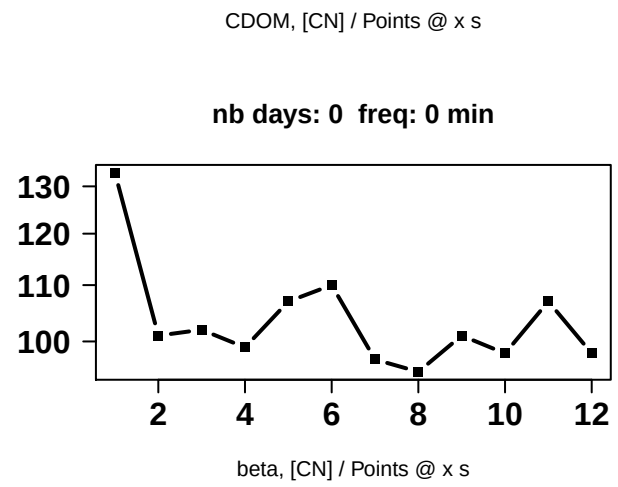

nb days: 0 freq: 0 min
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

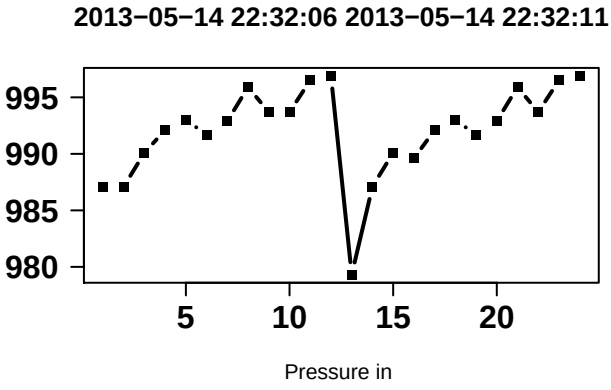

2013−05−13 22:00:25 2013−05−13 22:00:30
984
982
980
978
5
10
15
20
Pressure in

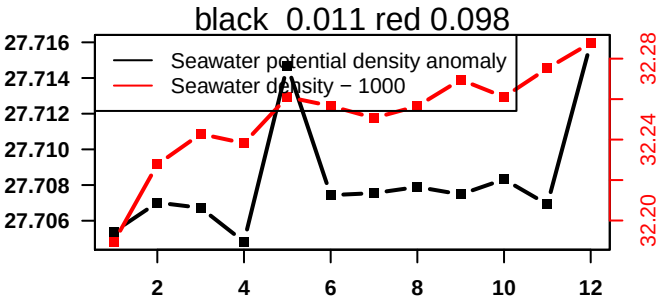

black 0.0061 red 0.038
Seawater potential density anomaly
Seawater density − 1000
27.705
27.704
27.703
27.702
27.701
27.700
32.19
32.17
2
4
6
8
10
12

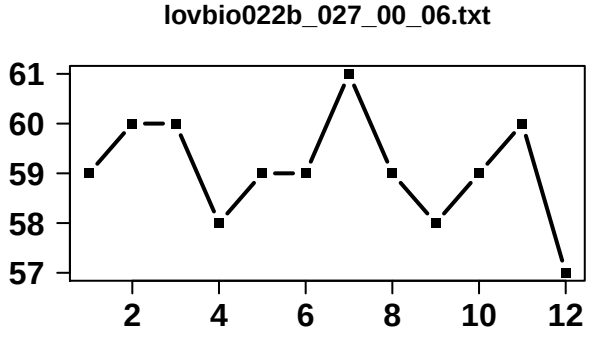

lovbio022b_026_00_06.txt
60.0
59.5
59.0
58.5
58.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

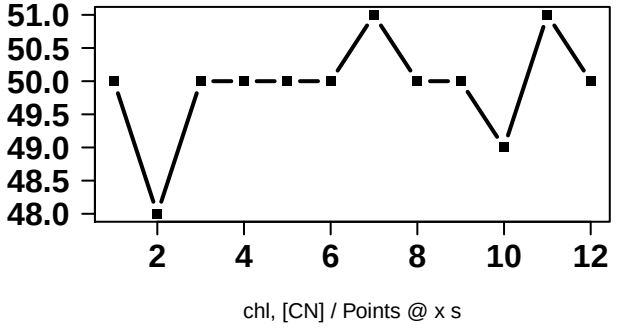

50.0
49.8
49.6
49.4
49.2
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

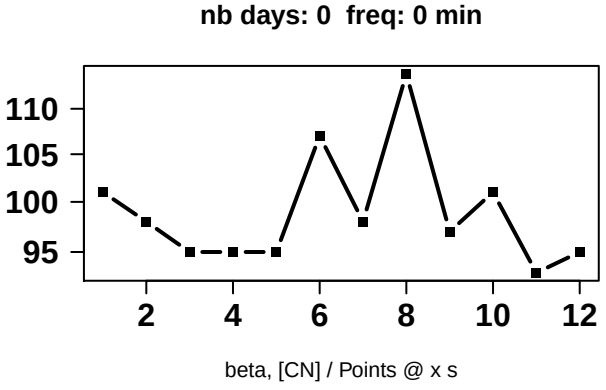

nb days: 0 freq: 0 min
130
120
110
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

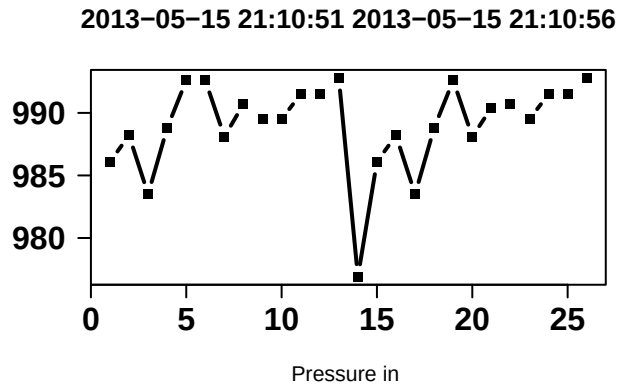

2013−05−14 22:32:06 2013−05−14 22:32:11
995
990
985
980
5
10
15
20
Pressure in

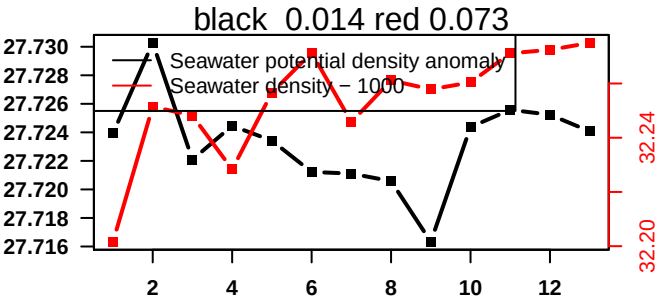

black 0.011 red 0.098
Seawater potential density anomaly
Seawater density − 1000
27.716
27.714
27.712
27.710
27.708
27.706
32.28
32.24
32.20
2
4
6
8
10
12

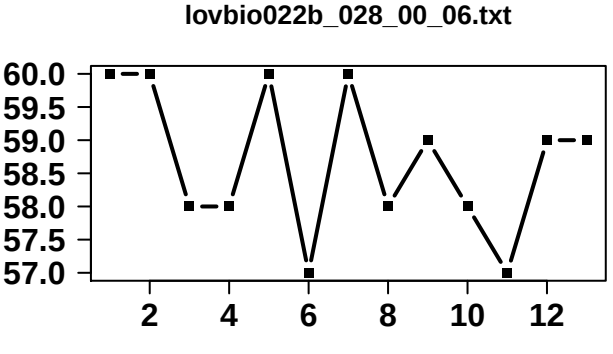

lovbio022b_027_00_06.txt
61
60
59
58
57
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

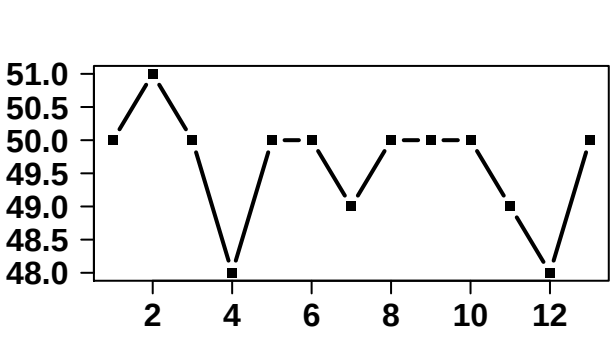

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

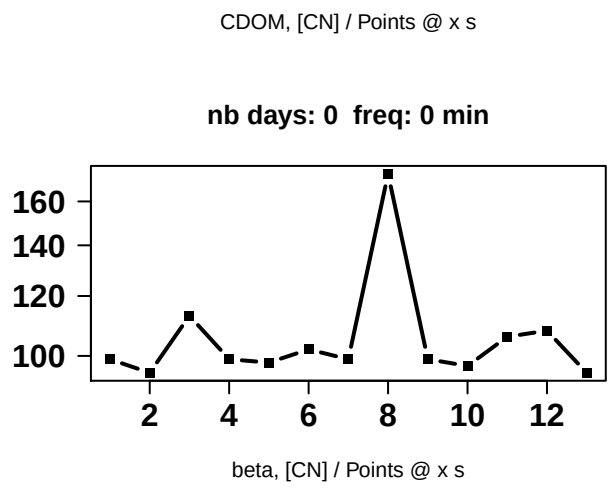

nb days: 0 freq: 0 min
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

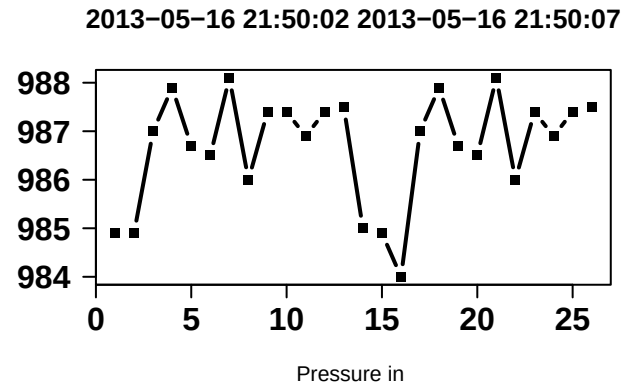

2013−05−15 21:10:51 2013−05−15 21:10:56
990
985
980
0
5
10
15
20
25
Pressure in

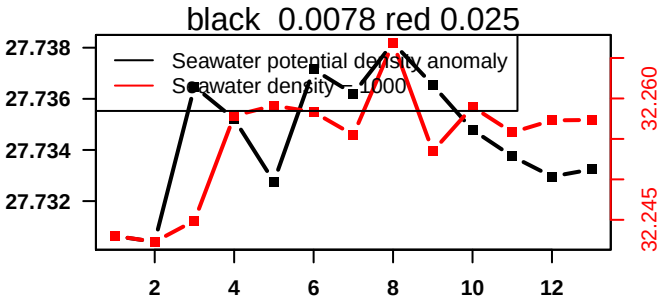

black 0.014 red 0.073
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
27.720
27.718
27.716
32.24
32.20
2
4
6
8
10
12

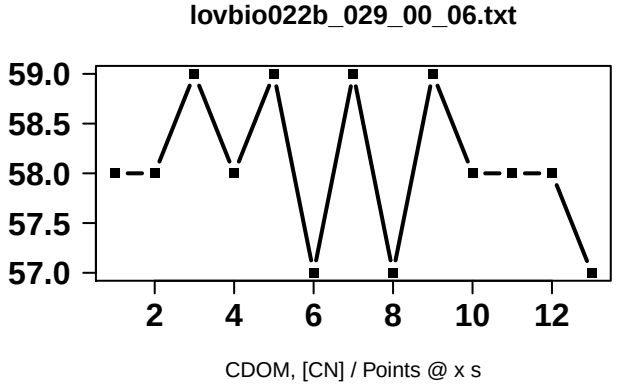

lovbio022b_028_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

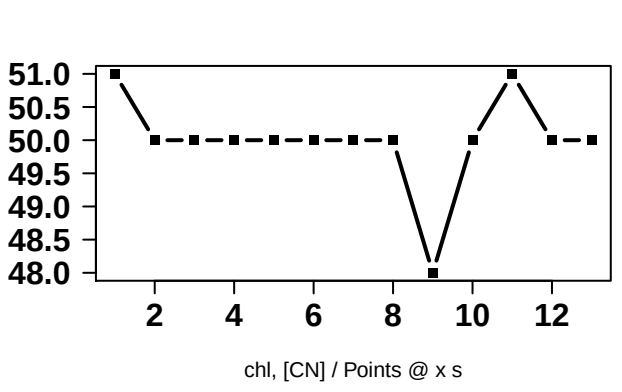

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

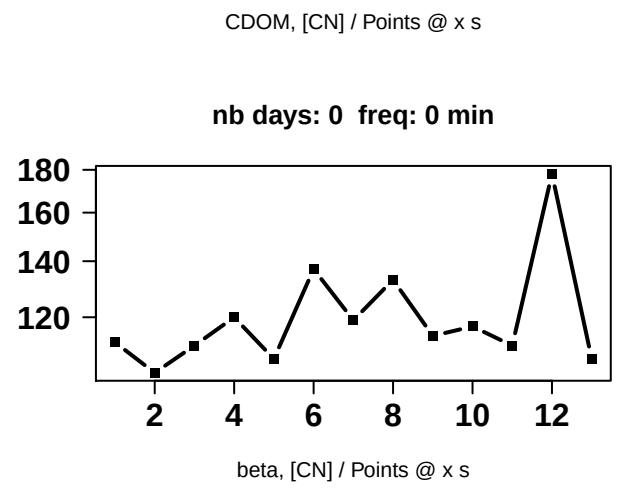

nb days: 0 freq: 0 min
160
140
120
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

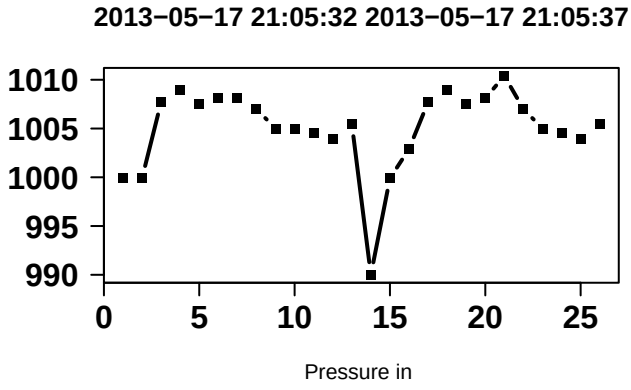

2013−05−16 21:50:02 2013−05−16 21:50:07
988
987
986
985
984
0
5
10
15
20
25
Pressure in

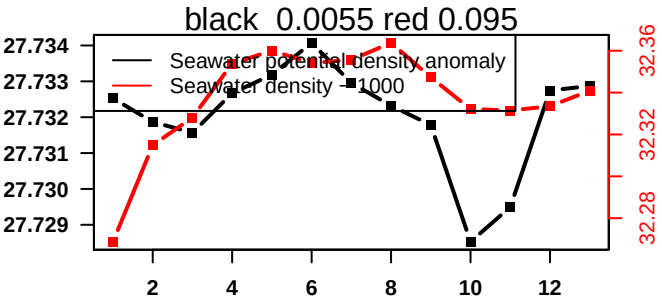

black 0.0078 red 0.025
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
32.260
32.245
2
4
6
8
10
12

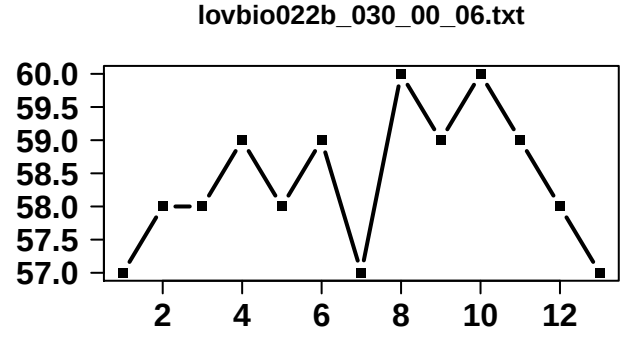

lovbio022b_029_00_06.txt
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

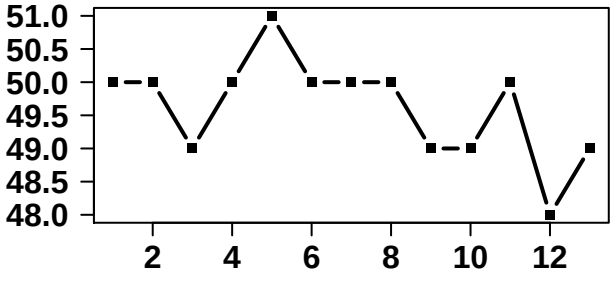

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

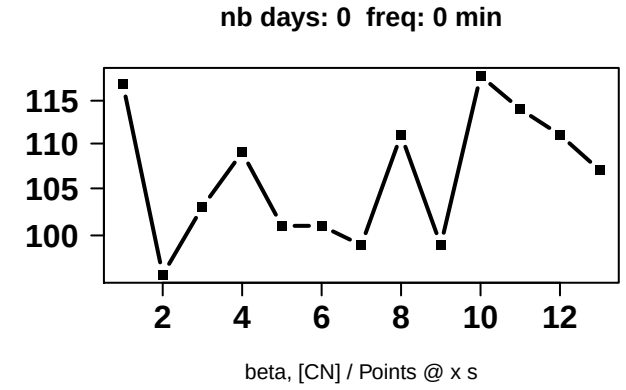

nb days: 0 freq: 0 min
180
160
140
120
2
4
6
8
10
12
beta, [CN] / Points @ x s

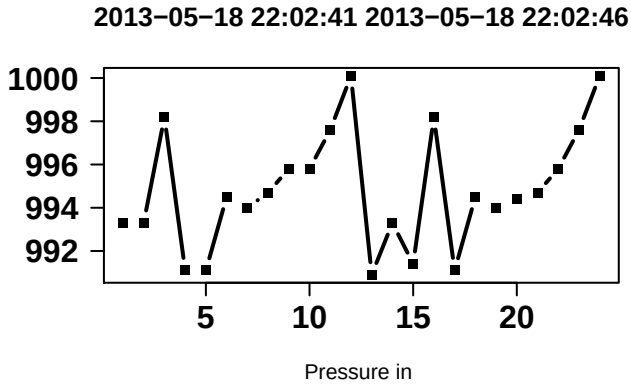

2013−05−17 21:05:32 2013−05−17 21:05:37
1010
1005
1000
995
990
0
5
10
15
20
25
Pressure in

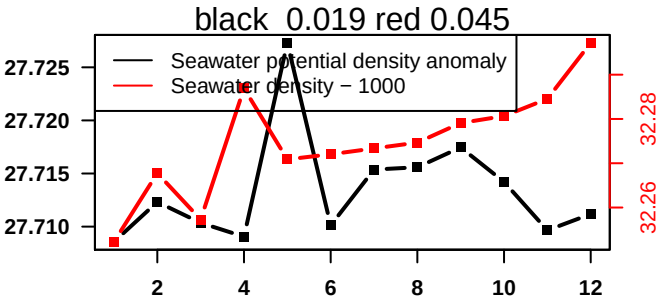

black 0.0055 red 0.095
Seawater potential density anomaly
Seawater density − 1000
27.734
27.733
27.732
27.731
27.730
27.729
32.36
32.32
32.28
2
4
6
8
10
12

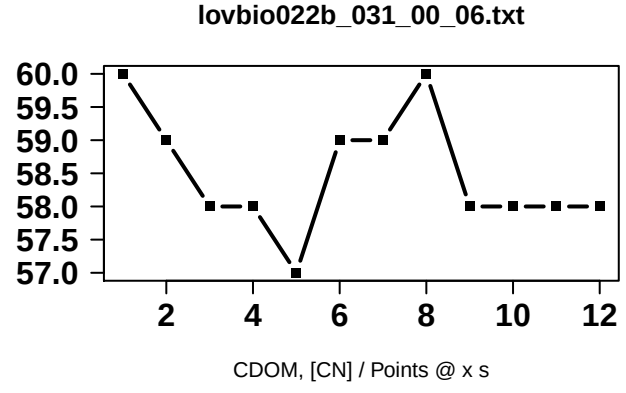

lovbio022b_030_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

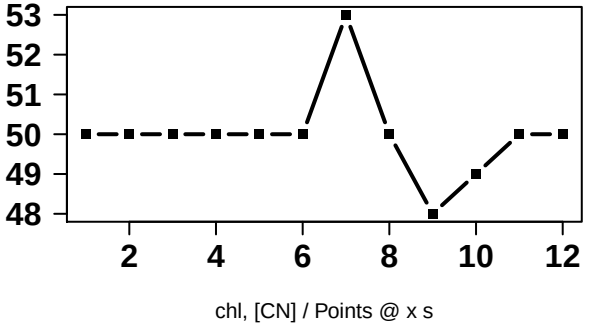

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

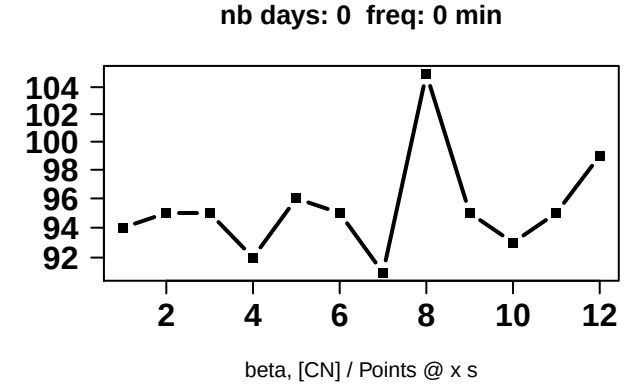

nb days: 0 freq: 0 min
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

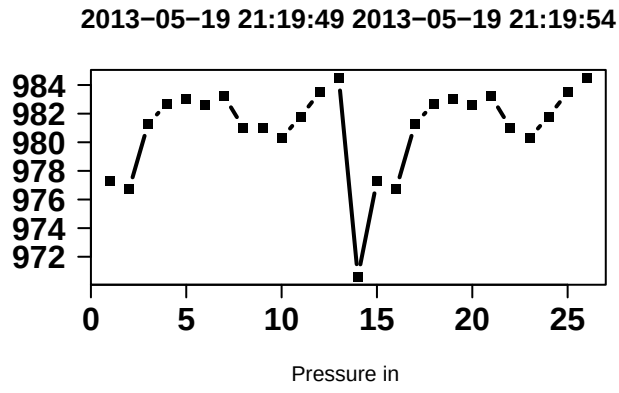

2013−05−18 22:02:41 2013−05−18 22:02:46
1000
998
996
994
992
5
10
15
20
Pressure in

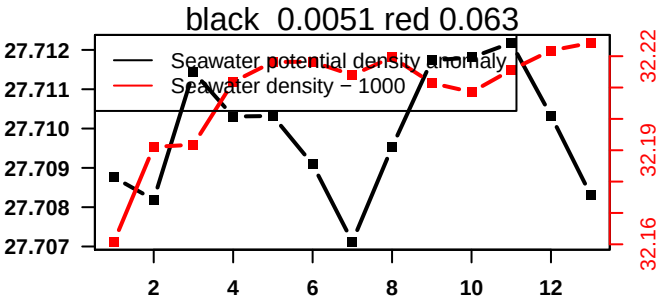

black 0.019 red 0.045
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
27.710
32.28
32.26
2
4
6
8
10
12

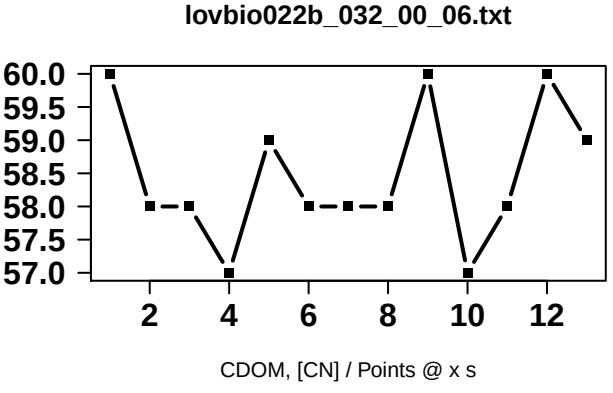

lovbio022b_031_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

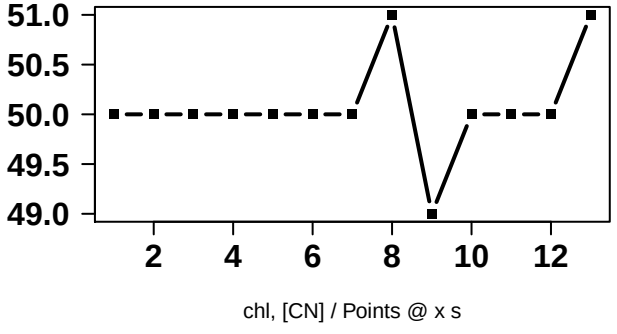

53
52
51
50
49
48
2
4
6
8
10
12
chl, [CN] / Points @ x s

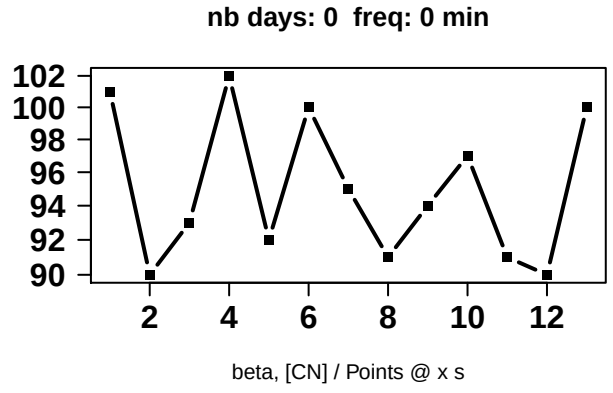

nb days: 0 freq: 0 min
104
102
100
98
96
94
92
2
4
6
8
10
12
beta, [CN] / Points @ x s

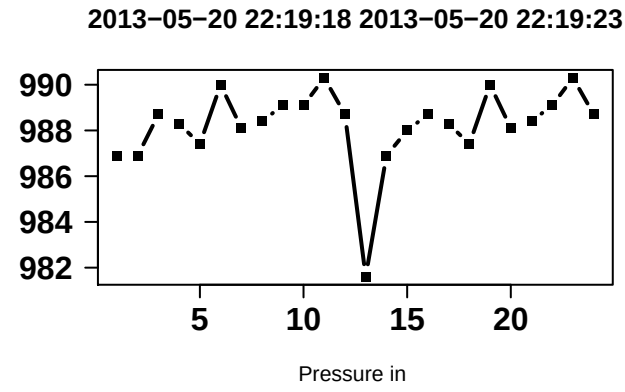

2013−05−19 21:19:49 2013−05−19 21:19:54
984
982
980
978
976
974
972
0
5
10
15
20
25
Pressure in

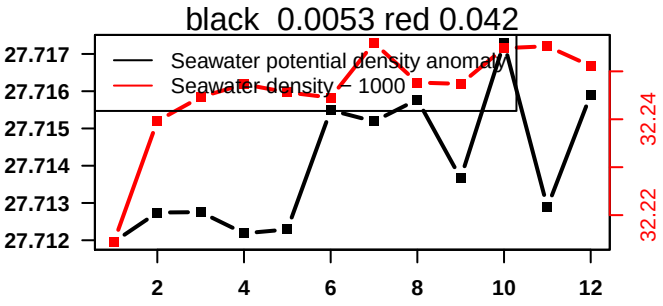

black 0.0051 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.712
27.711
27.710
27.709
27.708
27.707
32.22
32.19
32.16
2
4
6
8
10
12

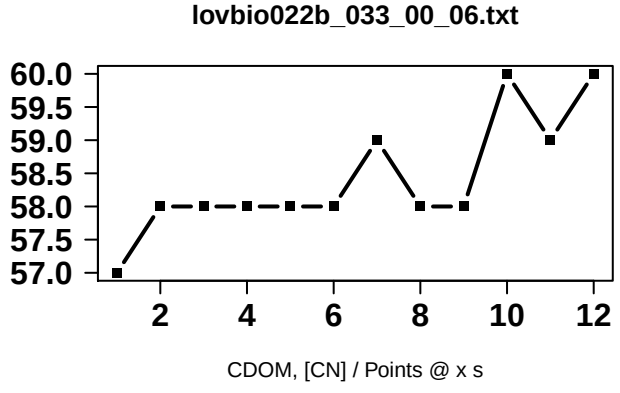

lovbio022b_032_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

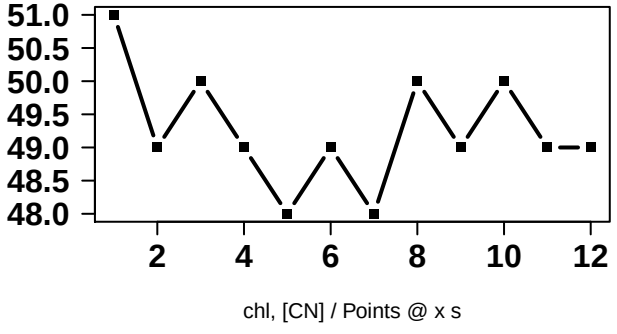

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

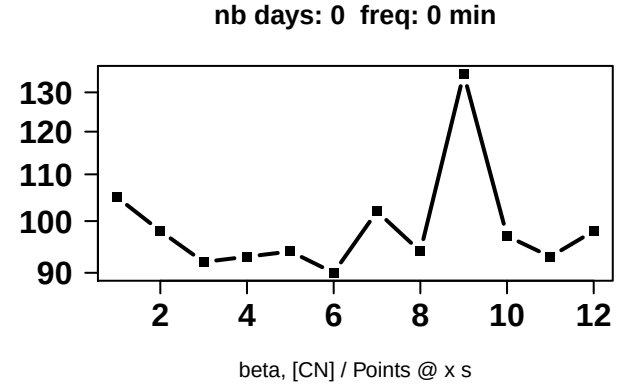

nb days: 0 freq: 0 min
102
100
98
96
94
92
90
2
4
6
8
10
12
beta, [CN] / Points @ x s

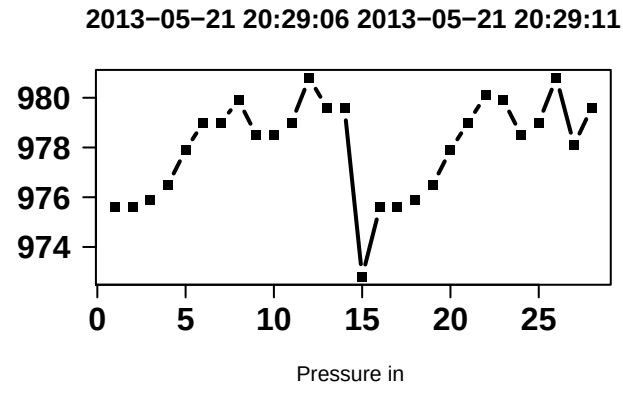

2013−05−20 22:19:18 2013−05−20 22:19:23
990
988
986
984
982
5
10
15
20
Pressure in

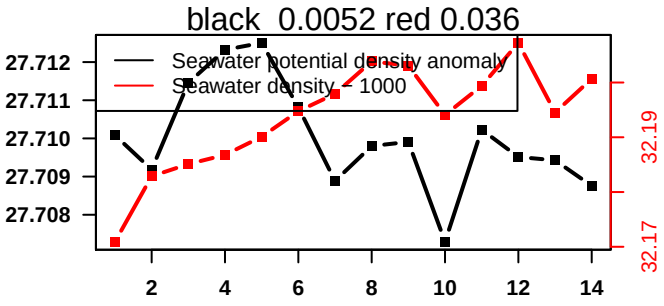

black 0.0053 red 0.042
Seawater potential density anomaly
Seawater density − 1000
27.717
27.716
27.715
27.714
27.713
27.712
32.24
32.22
2
4
6
8
10
12

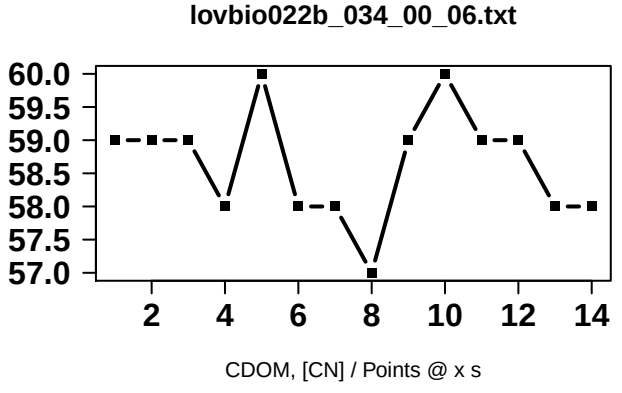

lovbio022b_033_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

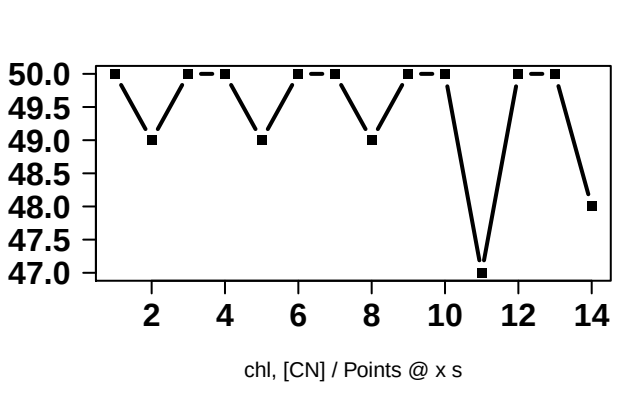

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

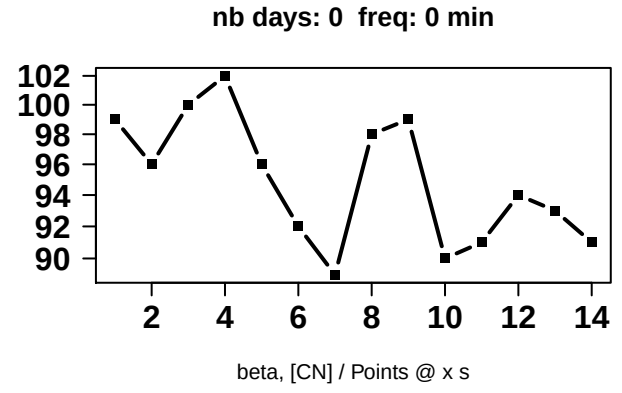

nb days: 0 freq: 0 min
130
120
110
100
90
2
4
6
8
10
12
beta, [CN] / Points @ x s

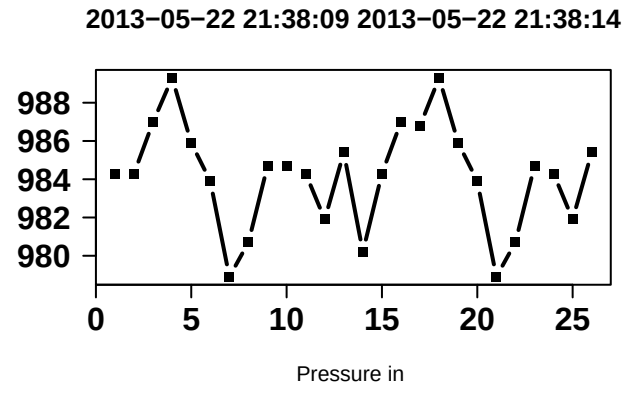

2013−05−21 20:29:06 2013−05−21 20:29:11
980
978
976
974
0
5
10
15
20
25
Pressure in

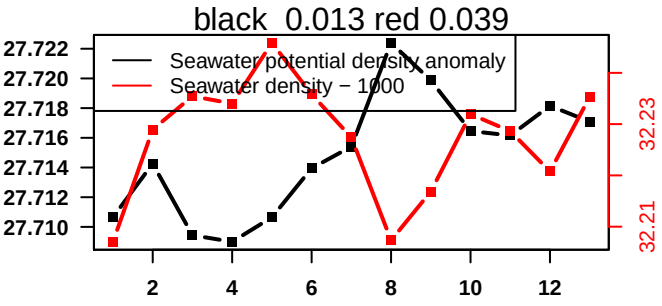

black 0.0052 red 0.036
Seawater potential density anomaly
Seawater density − 1000
27.712
27.711
27.710
27.709
27.708
32.19
32.17
2
4
6
8
10
12
14

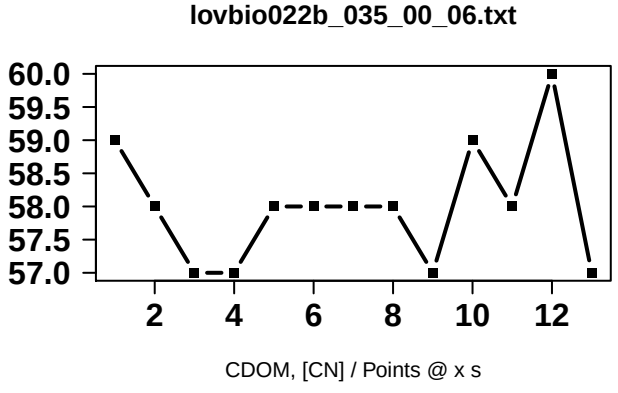

lovbio022b_034_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
14
CDOM, [CN] / Points @ x s

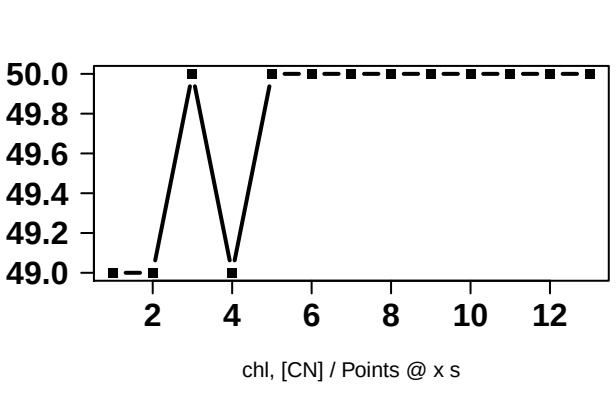

50.0
49.5
49.0
48.5
48.0
47.5
47.0
2
4
6
8
10
12
14
chl, [CN] / Points @ x s

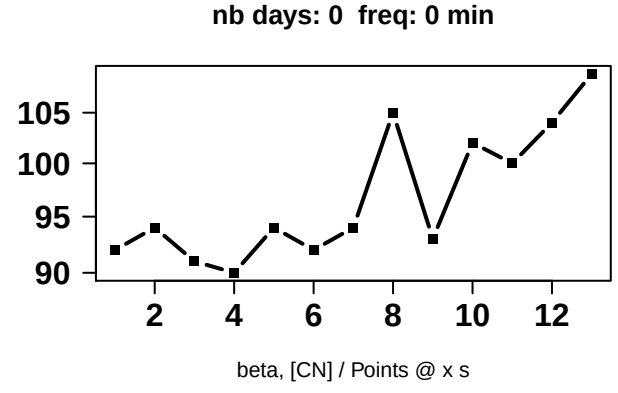

nb days: 0 freq: 0 min
102
100
98
96
94
92
90
2
4
6
8
10
12
14
beta, [CN] / Points @ x s

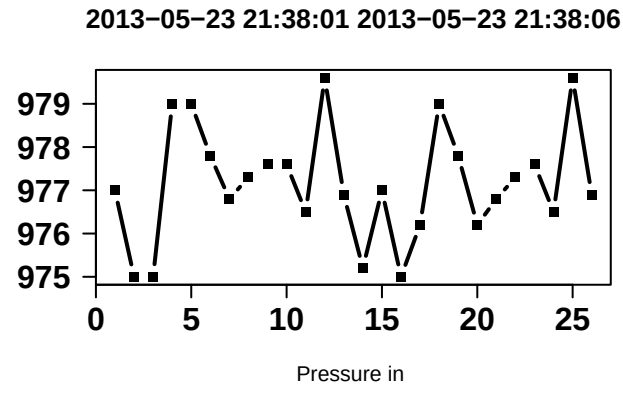

2013−05−22 21:38:09 2013−05−22 21:38:14
988
986
984
982
980
0
5
10
15
20
25
Pressure in

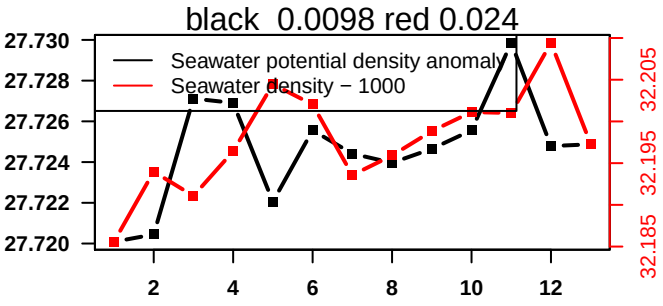

black_0.013 red 0.039
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
27.712
27.710
32.23
32.21
2
4
6
8
10
12

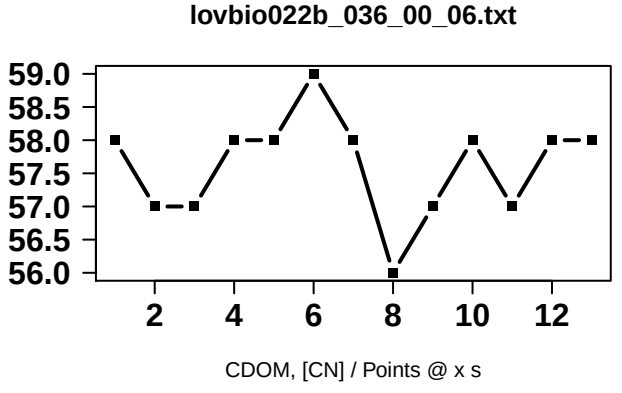

lovbio022b_035_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

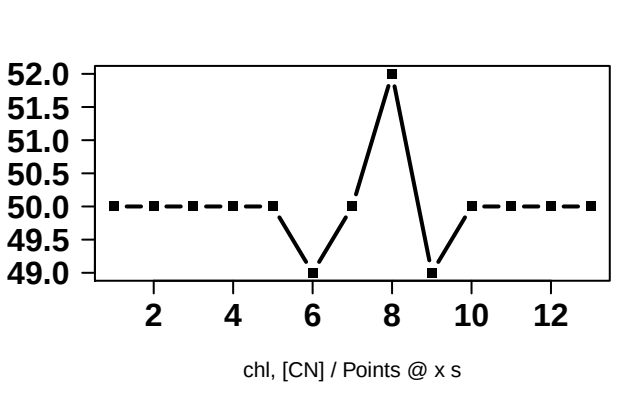

50.0
49.8
49.6
49.4
49.2
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

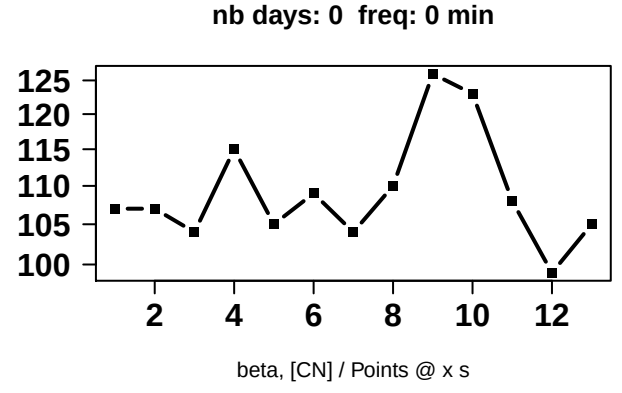

nb days: 0 freq: 0 min
105
100
95
90
2
4
6
8
10
12
beta, [CN] / Points @ x s

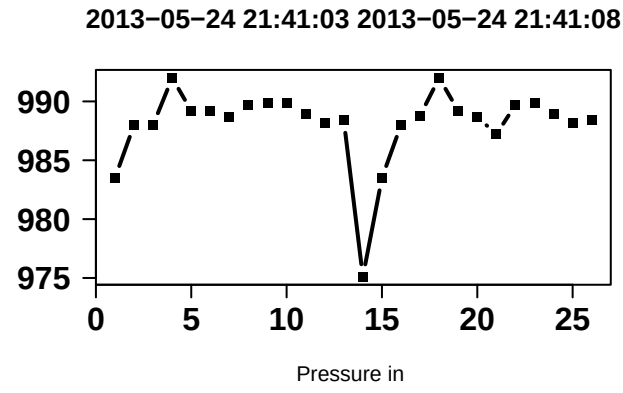

2013−05−23 21:38:01 2013−05−23 21:38:06
979
978
977
976
975
0
5
10
15
20
25
Pressure in

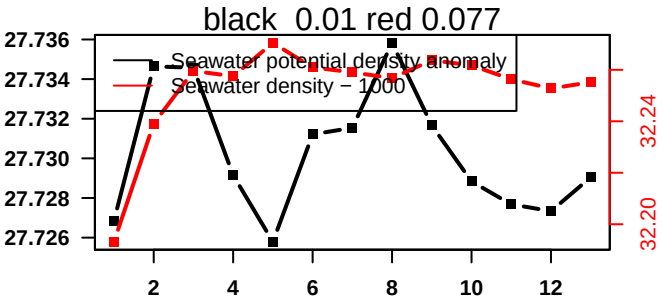

black 0.0098 red 0.024
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
27.720
32.205
32.195
32.185
2
4
6
8
10
12

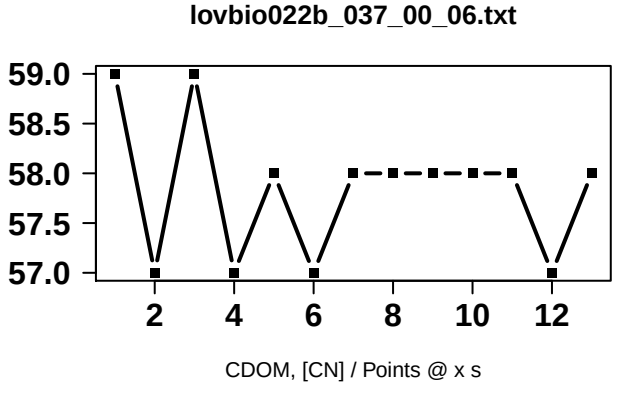

lovbio022b_036_00_06.txt
59.0
58.5
58.0
57.5
57.0
56.5
56.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

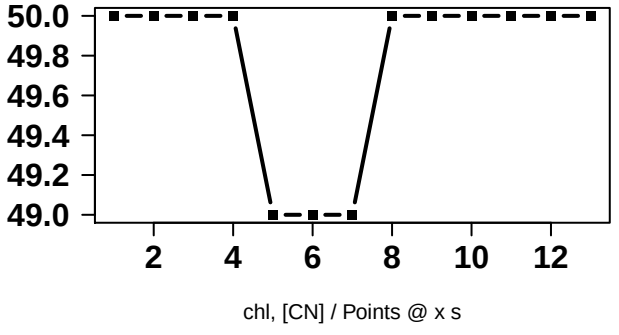

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

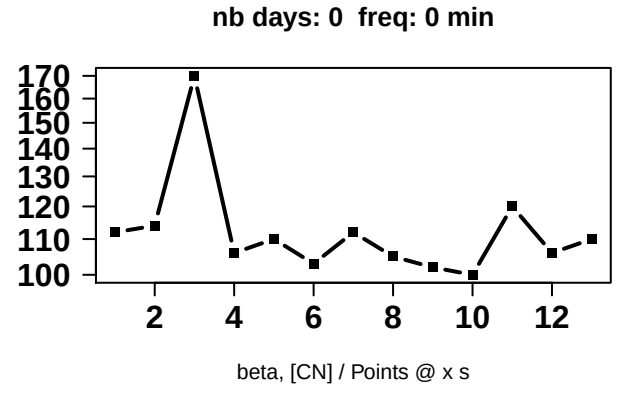

nb days: 0 freq: 0 min
125
120
115
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

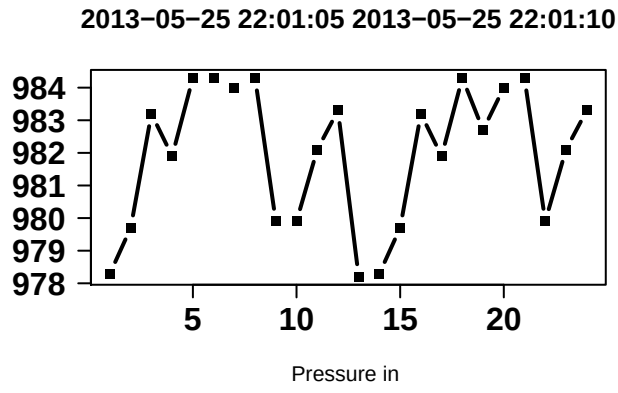

2013−05−24 21:41:03 2013−05−24 21:41:08
990
985
980
975
0
5
10
15
20
25
Pressure in

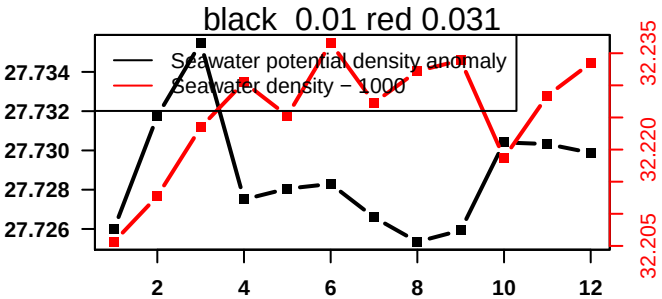

black 0.01 red 0.077
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
27.726
32.24
32.20
2
4
6
8
10
12

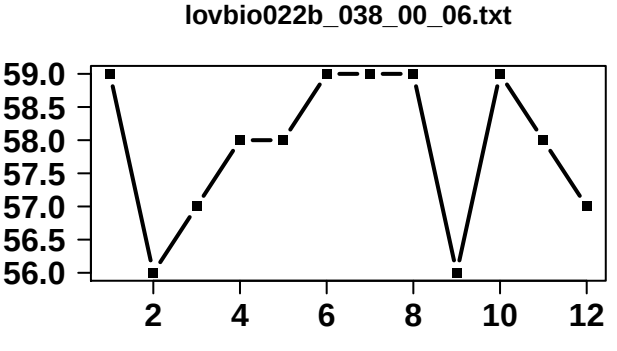

lovbio022b_037_00_06.txt
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

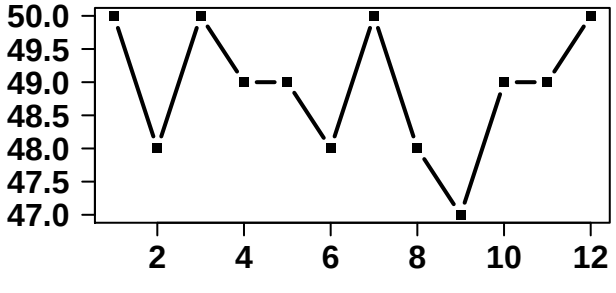

50.0
49.8
49.6
49.4
49.2
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

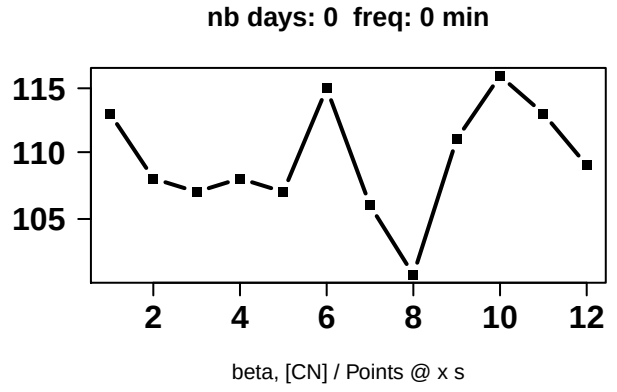

nb days: 0 freq: 0 min
170
160
150
140
130
120
110
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

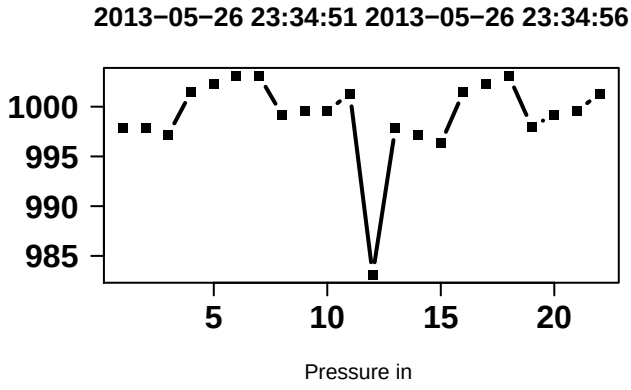

2013−05−25 22:01:05 2013−05−25 22:01:10
984
983
982
981
980
979
978
5
10
15
20
Pressure in

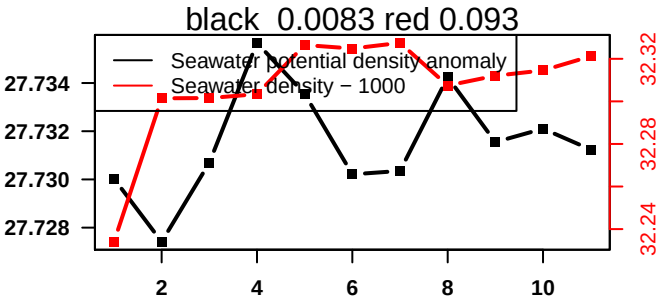

black 0.01 red 0.031
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.235
32.220
32.205
2
4
6
8
10
12

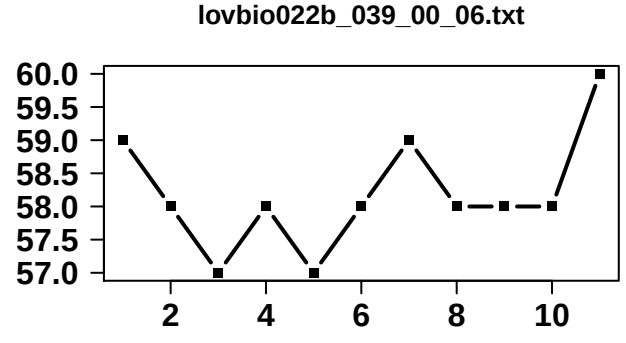

lovbio022b_038_00_06.txt
59.0
58.5
58.0
57.5
57.0
56.5
56.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

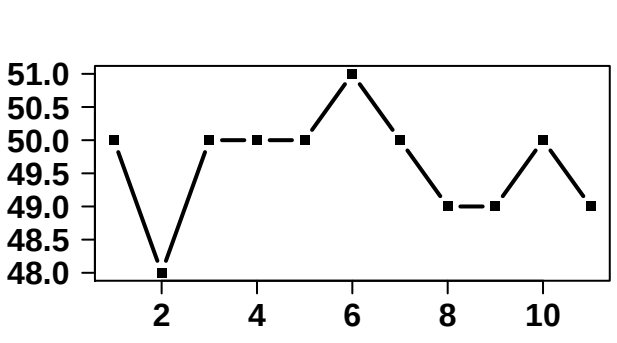

50.0
49.5
49.0
48.5
48.0
47.5
47.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

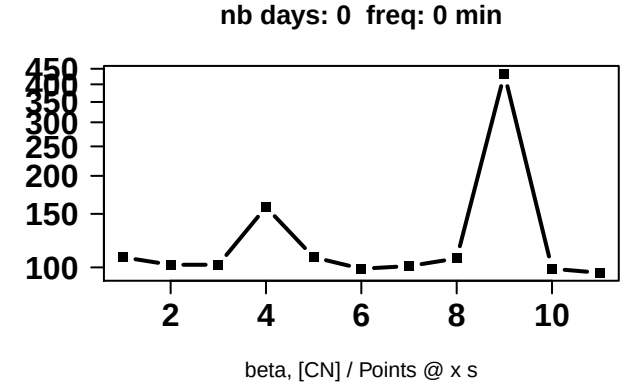

nb days: 0 freq: 0 min
115
110
105
2
4
6
8
10
12
beta, [CN] / Points @ x s

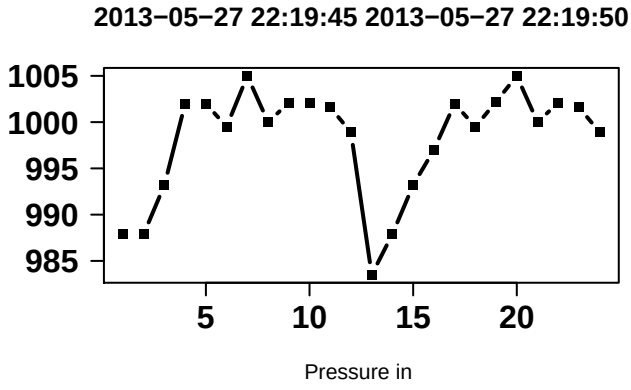

2013−05−26 23:34:51 2013−05−26 23:34:56
1000
995
990
985
5
10
15
20
Pressure in

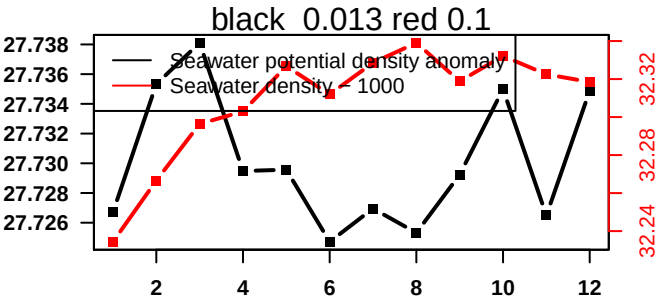

black 0.0083 red 0.093
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.32
32.28
32.24
2
4
6
8
10

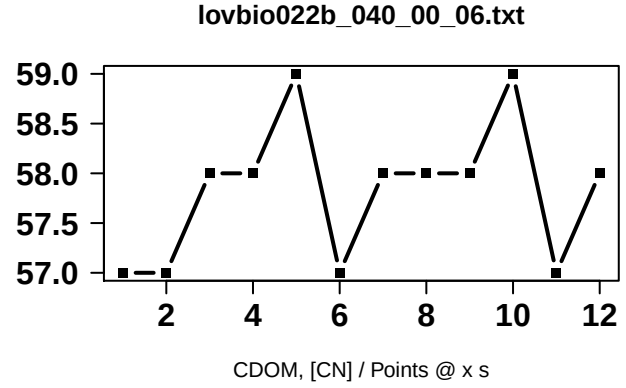

lovbio022b_039_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
CDOM, [CN] / Points @ x s

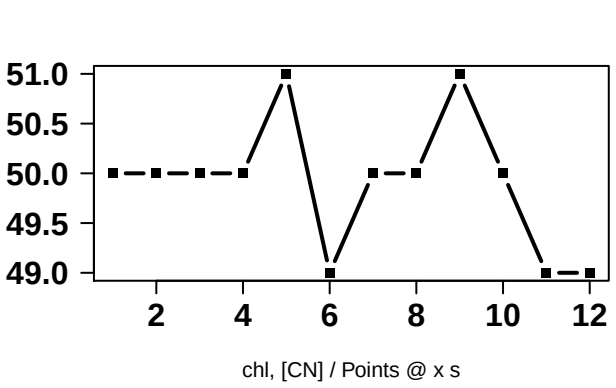

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
chl, [CN] / Points @ x s

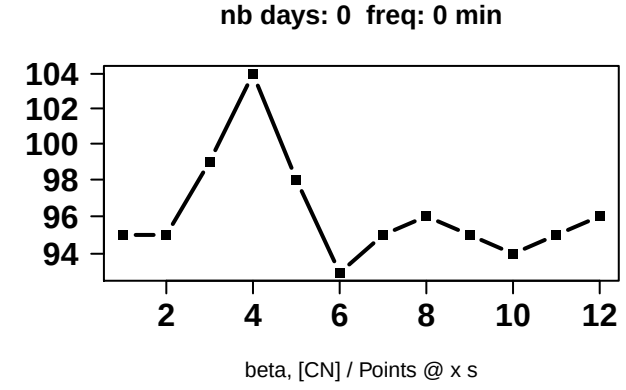

nb days: 0 freq: 0 min
450
400
350
300
250
200
150
100
2
4
6
8
10
beta, [CN] / Points @ x s

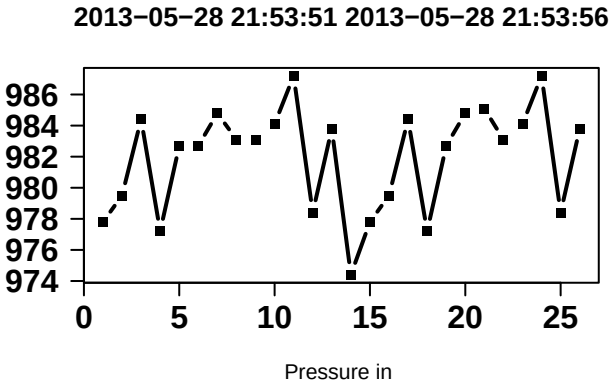

2013−05−27 22:19:45 2013−05−27 22:19:50
1005
1000
995
990
985
5
10
15
20
Pressure in

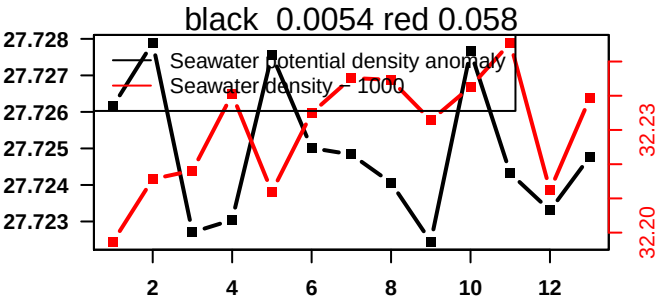

black 0.013 red 0.1
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
27.728
27.726
32.32
32.28
32.24
2
4
6
8
10
12

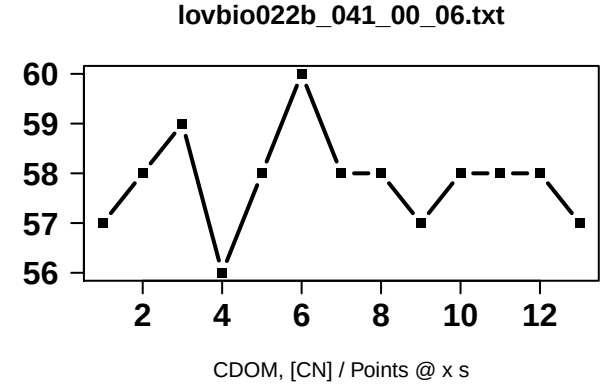

lovbio022b_040_00_06.txt
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

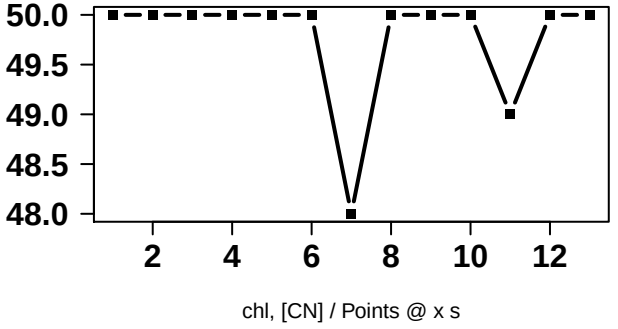

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

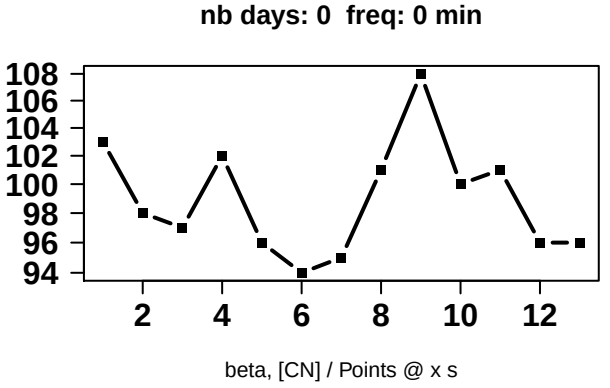

nb days: 0 freq: 0 min
104
102
100
98
96
94
2
4
6
8
10
12
beta, [CN] / Points @ x s

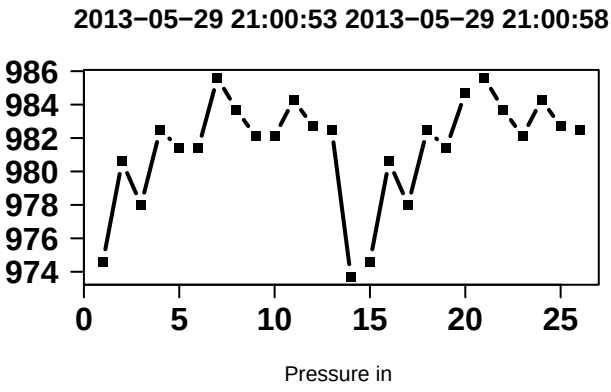

2013−05−28 21:53:51 2013−05−28 21:53:56
986
984
982
980
978
976
974
0
5
10
15
20
25
Pressure in

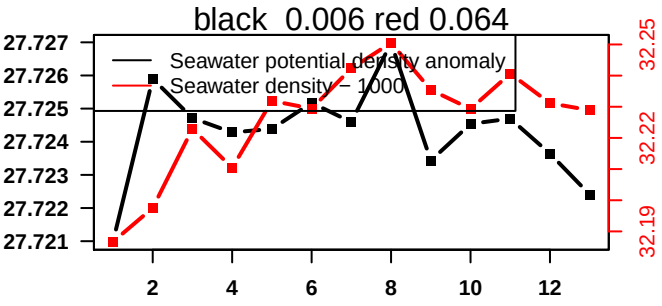

black 0.0054 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.728
27.727
27.726
27.725
27.724
27.723
32.23
32.20
2
4
6
8
10
12

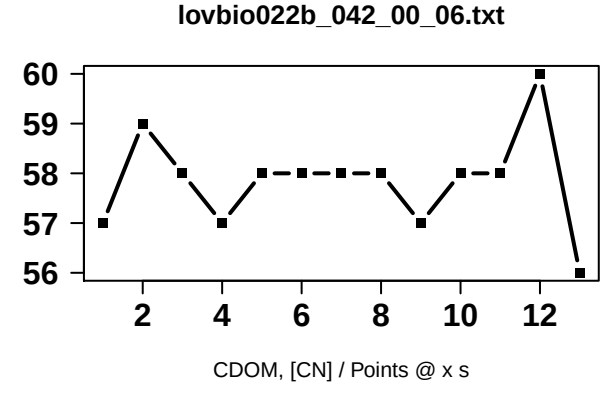

lovbio022b_041_00_06.txt
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

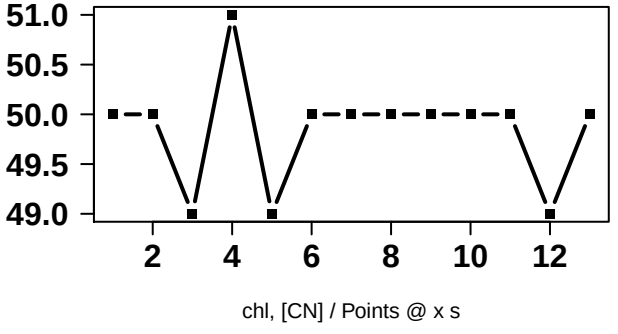

50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

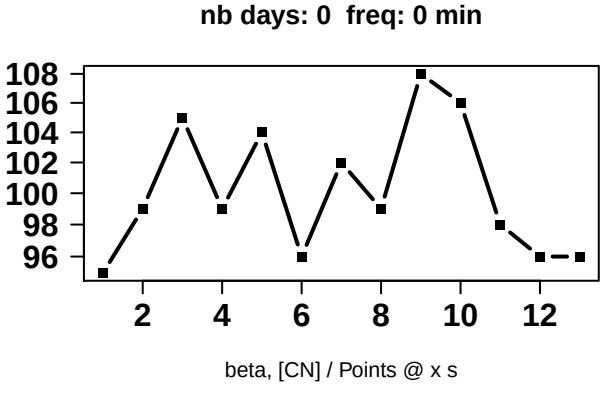

nb days: 0 freq: 0 min
108
106
104
102
100
98
96
94
2
4
6
8
10
12
beta, [CN] / Points @ x s

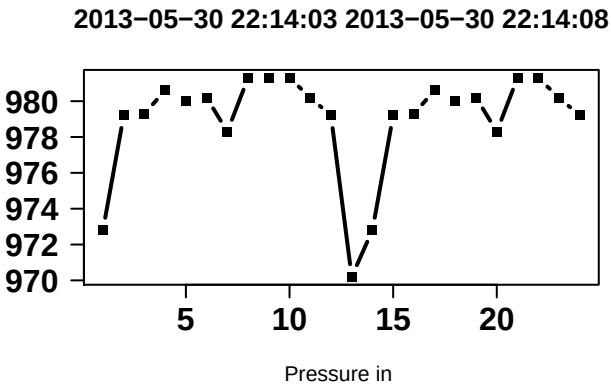

2013−05−29 21:00:53 2013−05−29 21:00:58
986
984
982
980
978
976
974
0
5
10
15
20
25
Pressure in

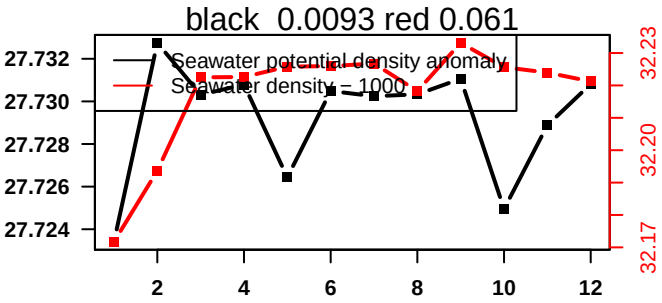

black 0.006 red 0.064
Seawater potential density anomaly
Seawater density − 1000
27.727
27.726
27.725
27.724
27.723
27.722
27.721
32.25
32.22
32.19
2
4
6
8
10
12

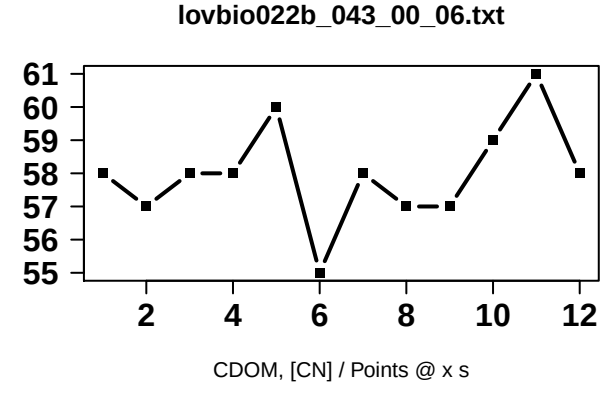

lovbio022b_042_00_06.txt
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

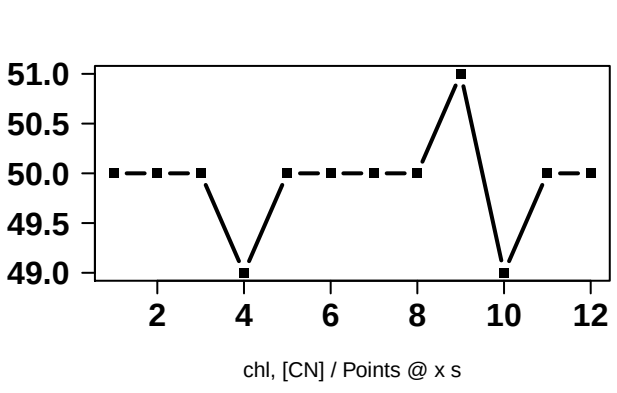

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

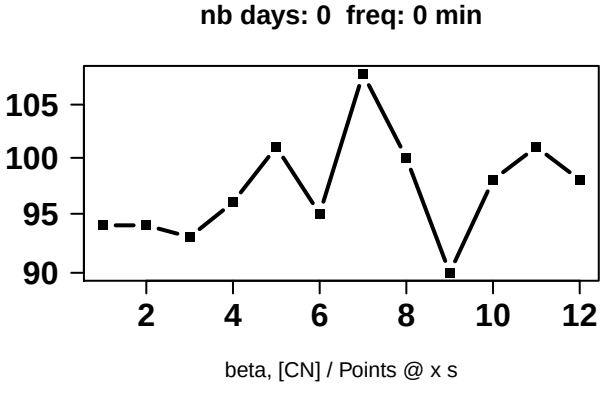

nb days: 0 freq: 0 min
108
106
104
102
100
98
96
2
4
6
8
10
12
beta, [CN] / Points @ x s

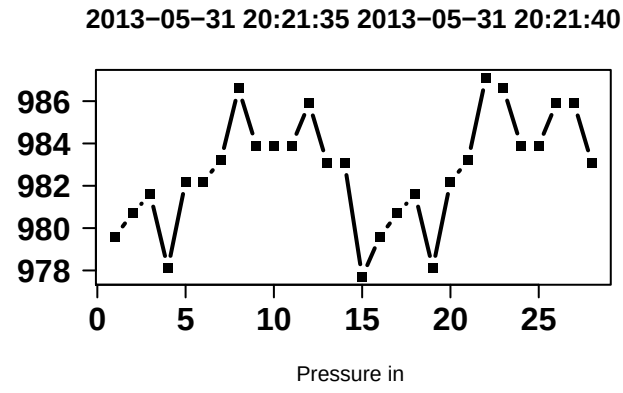

2013−05−30 22:14:03 2013−05−30 22:14:08
980
978
976
974
972
970
5
10
15
20
Pressure in

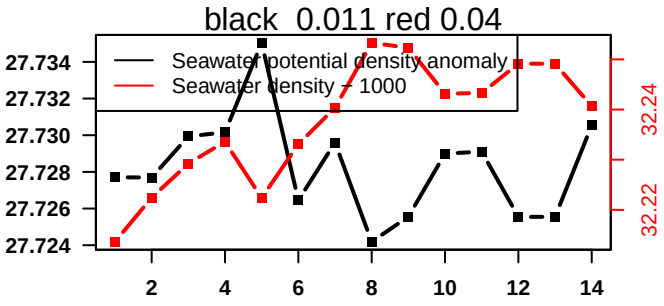

black 0.0093 red 0.061
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
32.23
32.20
32.17
2
4
6
8
10
12

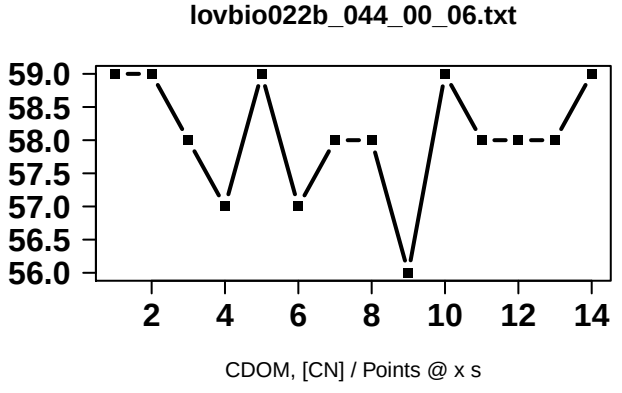

lovbio022b_043_00_06.txt
61
60
59
58
57
56
55
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

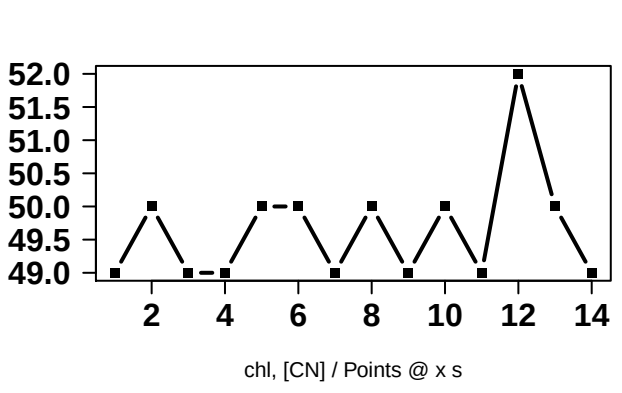

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

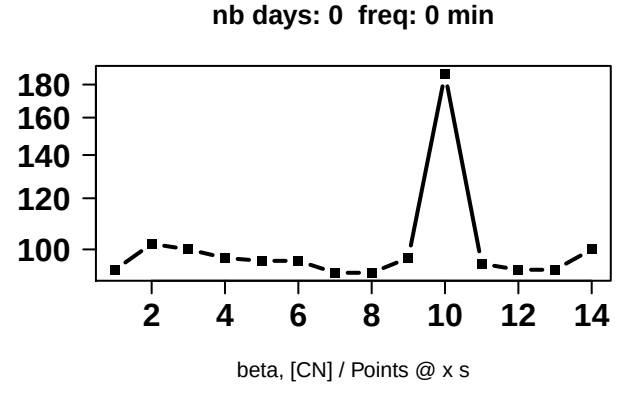

nb days: 0 freq: 0 min
105
100
95
90
2
4
6
8
10
12
beta, [CN] / Points @ x s

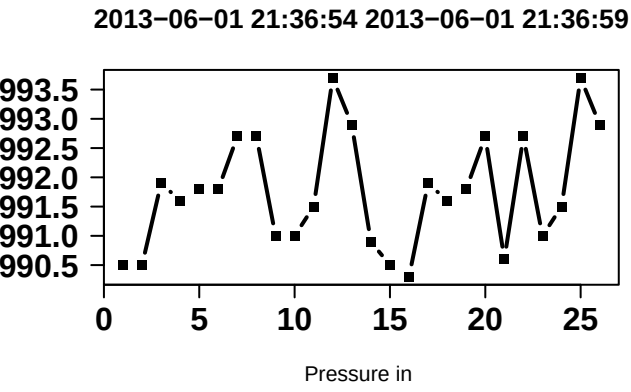

2013−05−31 20:21:35 2013−05−31 20:21:40
986
984
982
980
978
0
5
10
15
20
25
Pressure in

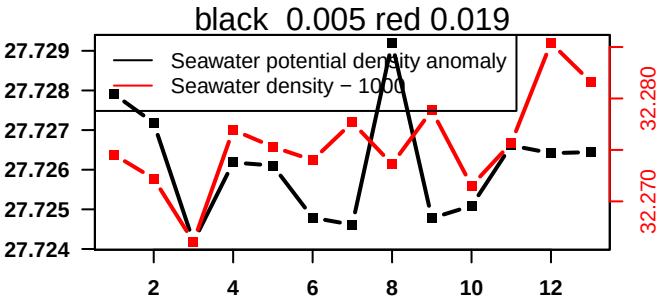

black 0.011 red 0.04
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
27.724
32.24
32.22
2
4
6
8
10
12
14

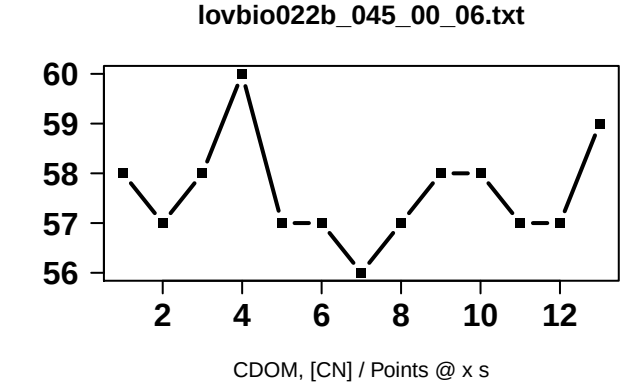

lovbio022b_044_00_06.txt
59.0
58.5
58.0
57.5
57.0
56.5
56.0
2
4
6
8
10
12
14
CDOM, [CN] / Points @ x s

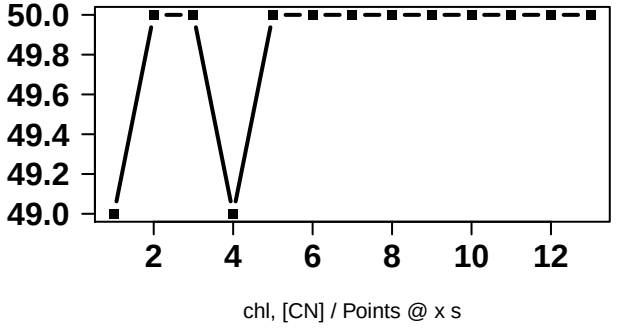

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
14
chl, [CN] / Points @ x s

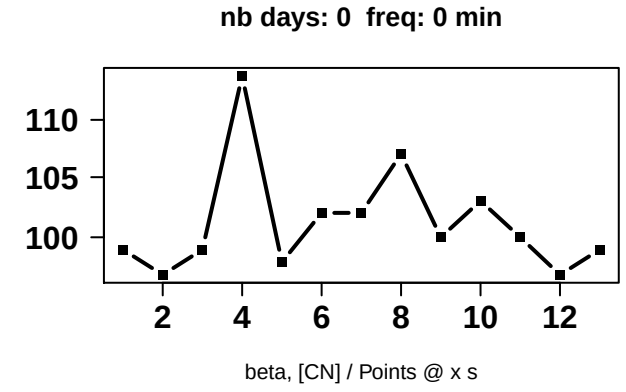

nb days: 0 freq: 0 min
180
160
140
120
100
2
4
6
8
10
12
14
beta, [CN] / Points @ x s

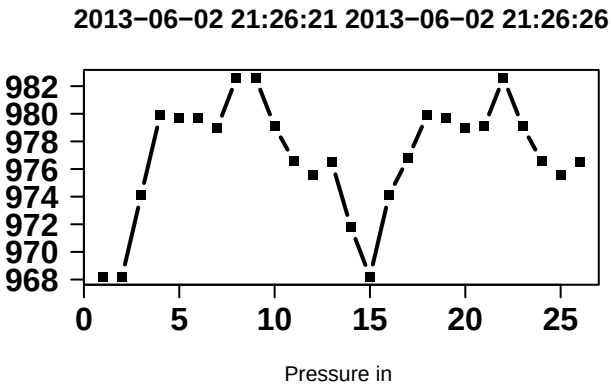

2013−06−01 21:36:54 2013−06−01 21:36:59
993.5
993.0
992.5
992.0
991.5
991.0
990.5
0
5
10
15
20
25
Pressure in

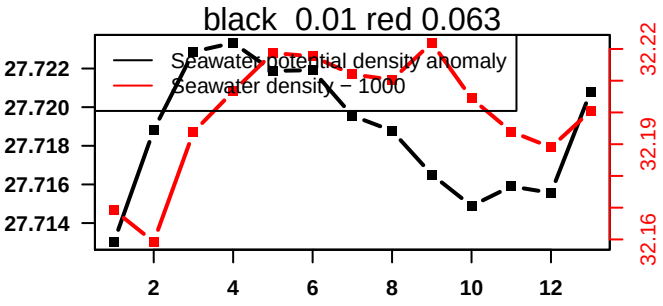

black 0.005 red 0.019
Seawater potential density anomaly
Seawater density − 1000
27.729
27.728
27.727
27.726
27.725
27.724
32.280
32.270
2
4
6
8
10
12

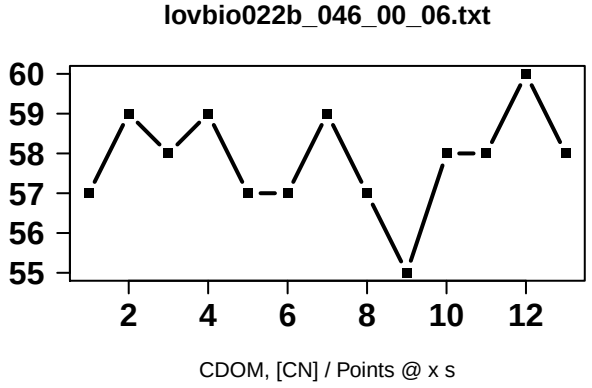

lovbio022b_045_00_06.txt
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

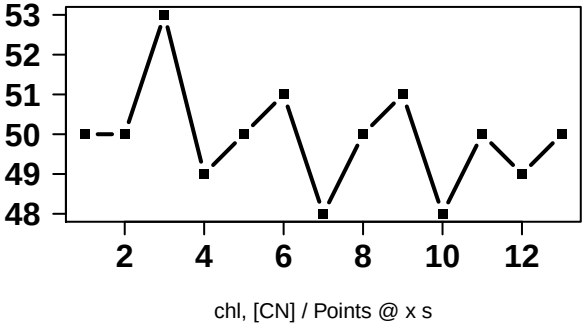

50.0
49.8
49.6
49.4
49.2
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

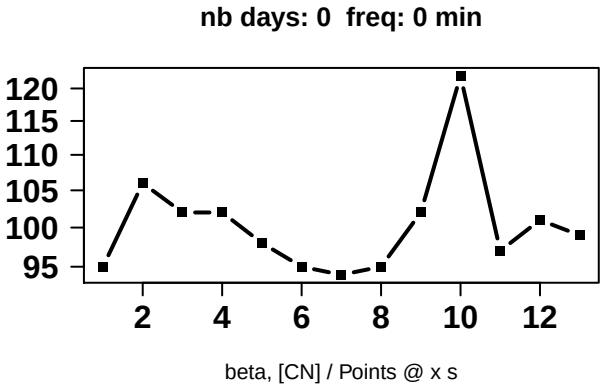

nb days: 0 freq: 0 min
110
105
100
2
4
6
8
10
12
beta, [CN] / Points @ x s

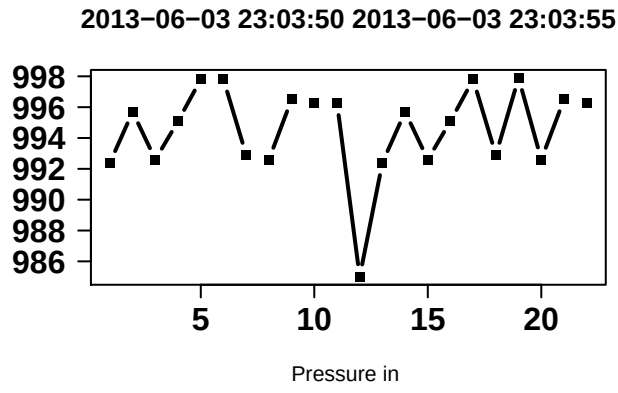

2013−06−02 21:26:21 2013−06−02 21:26:26
982
980
978
976
974
972
970
968
0
5
10
15
20
25
Pressure in

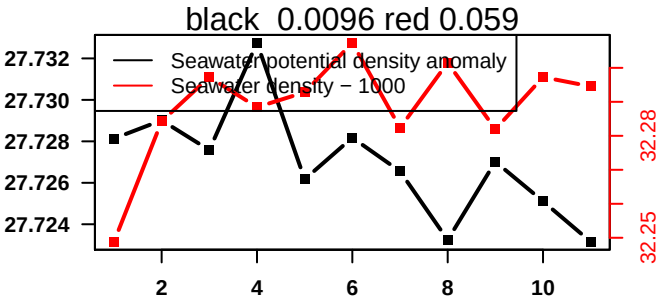

black 0.01 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
2
4
6
8
10
12
32.22
32.19
32.16

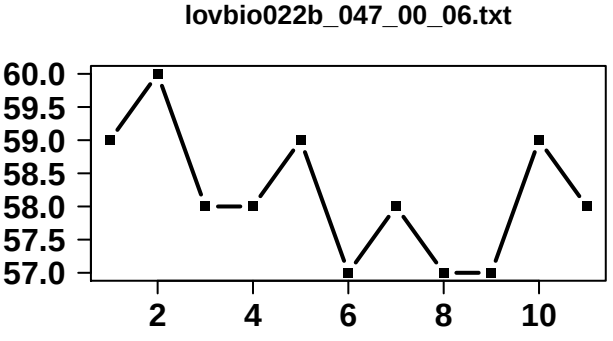

lovbio022b_046_00_06.txt
60
59
58
57
56
55
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

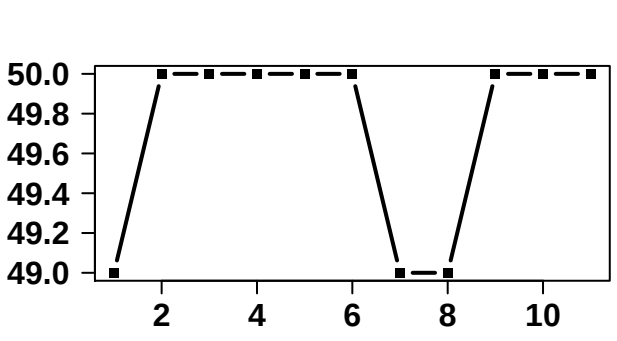

53
52
51
50
49
48
2
4
6
8
10
12
chl, [CN] / Points @ x s

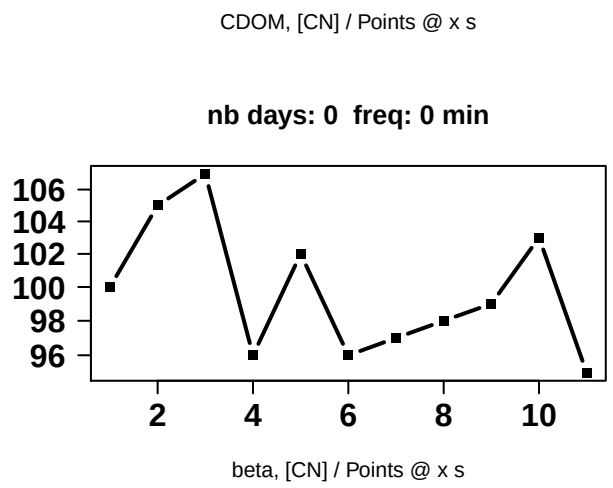

nb days: 0 freq: 0 min
120
115
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

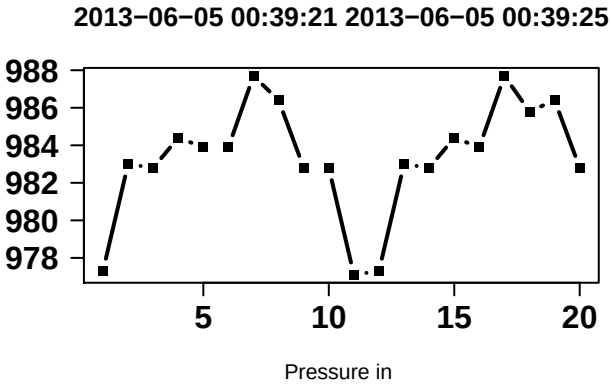

2013−06−03 23:03:50 2013−06−03 23:03:55
998
996
994
992
990
988
986
5
10
15
20
Pressure in

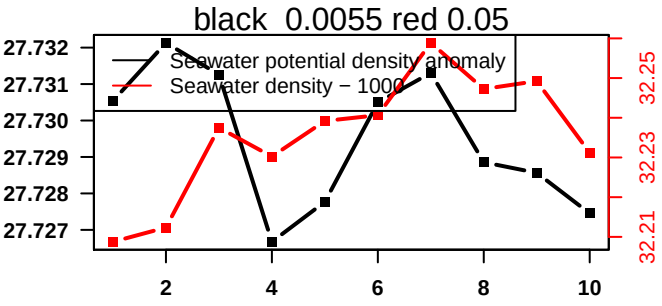

black 0.0096 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
32.28
32.25
2
4
6
8
10

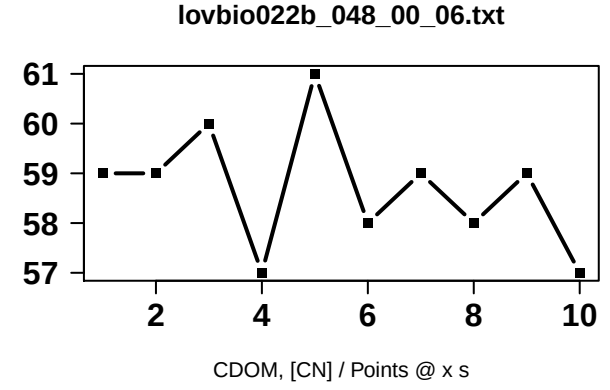

lovbio022b_047_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
CDOM, [CN] / Points @ x s

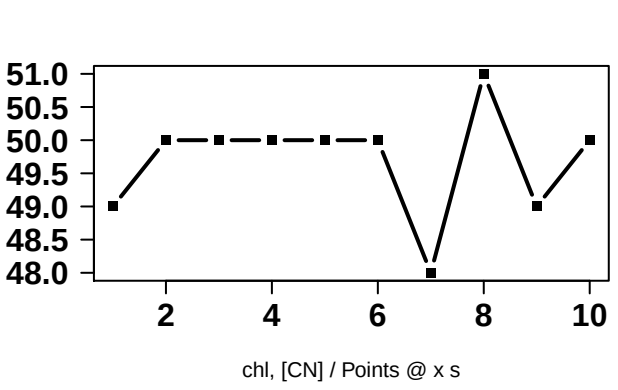

50.0
49.8
49.6
49.4
49.2
49.0
2
4
6
8
10
chl, [CN] / Points @ x s

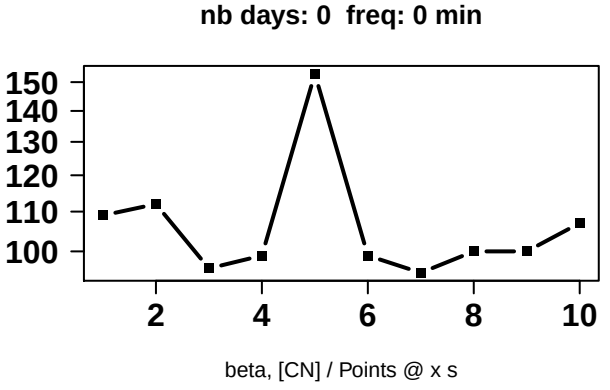

nb days: 0 freq: 0 min
106
104
102
100
98
96
2
4
6
8
10
beta, [CN] / Points @ x s

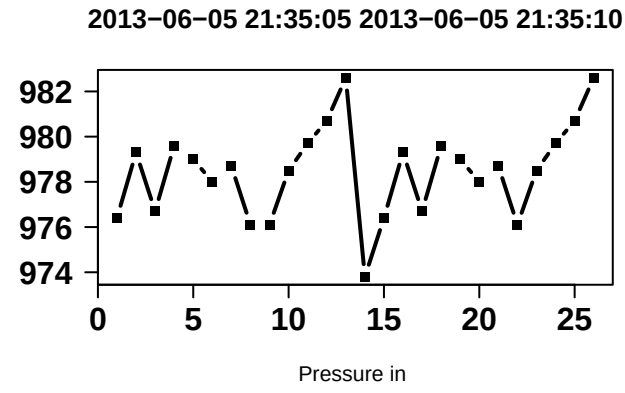

2013−06−05 00:39:21 2013−06−05 00:39:25
988
986
984
982
980
978
5
10
15
20
Pressure in

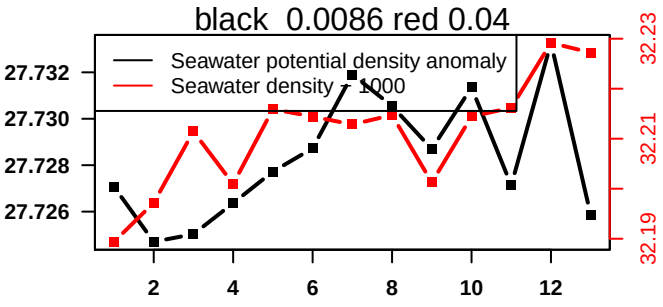

black 0.0055 red 0.05
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
27.728
27.727
32.25
32.23
32.21
2
4
6
8
10

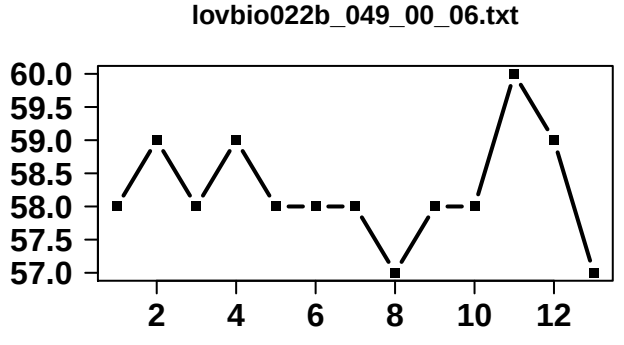

lovbio022b_048_00_06.txt
61
60
59
58
57
2
4
6
8
10
CDOM, [CN] / Points @ x s

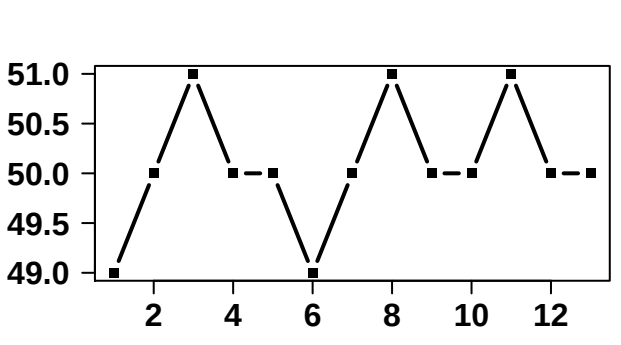

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
chl, [CN] / Points @ x s

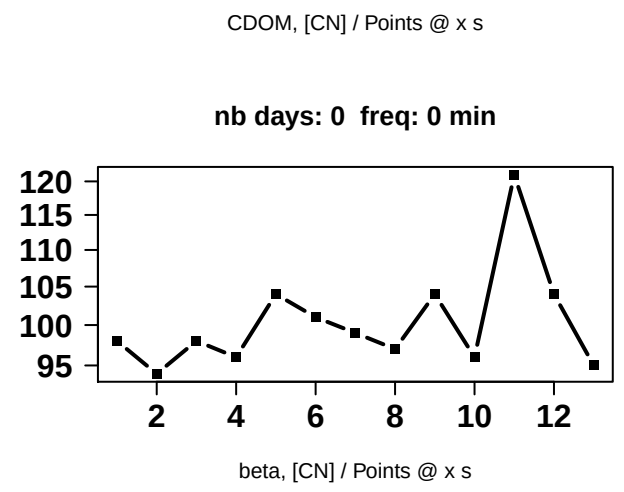

nb days: 0 freq: 0 min
150
140
130
120
110
100
2
4
6
8
10
beta, [CN] / Points @ x s

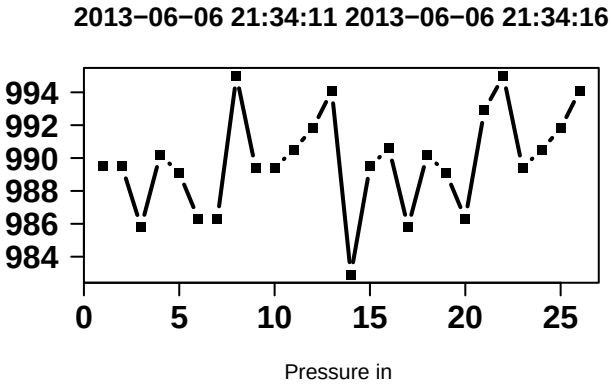

2013−06−05 21:35:05 2013−06−05 21:35:10
982
980
978
976
974
0
5
10
15
20
25
Pressure in

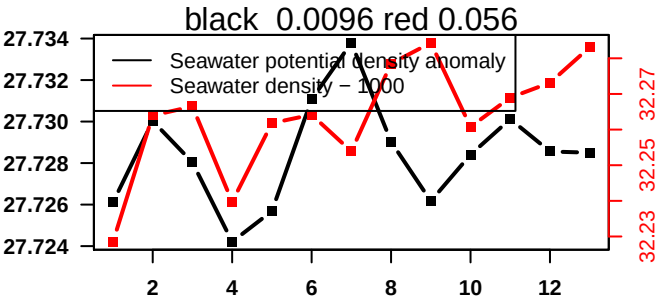

black 0.0086 red 0.04
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.23
32.21
32.19
2
4
6
8
10
12

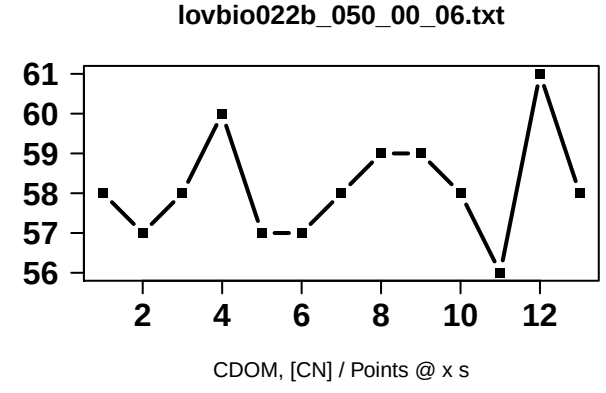

lovbio022b_049_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

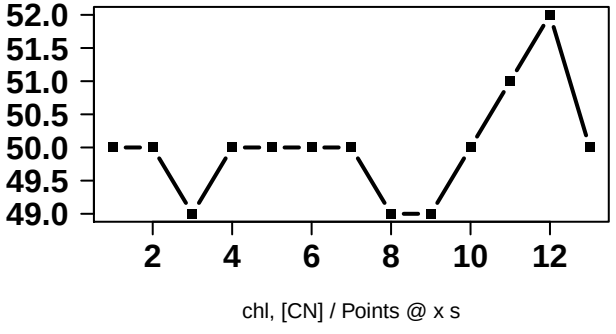

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

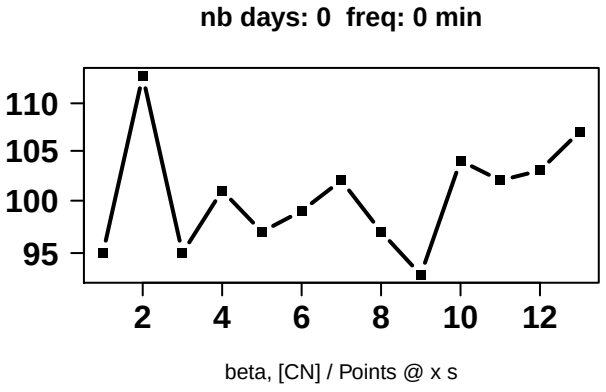

nb days: 0 freq: 0 min
120
115
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

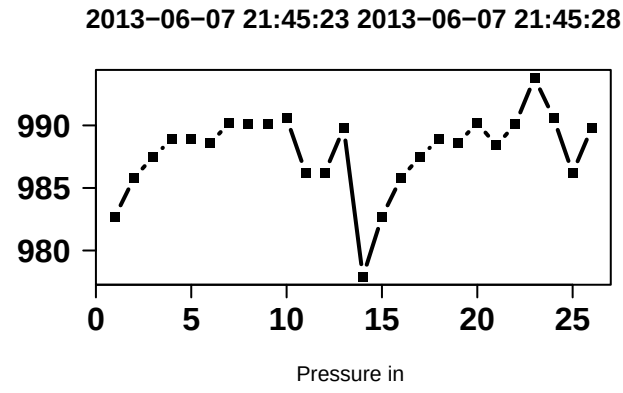

2013−06−06 21:34:11 2013−06−06 21:34:16
994
992
990
988
986
984
0
5
10
15
20
25
Pressure in

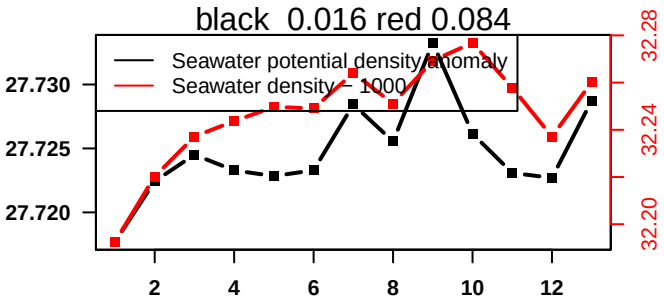

black 0.0096 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
27.724
32.27
32.25
32.23
2
4
6
8
10
12

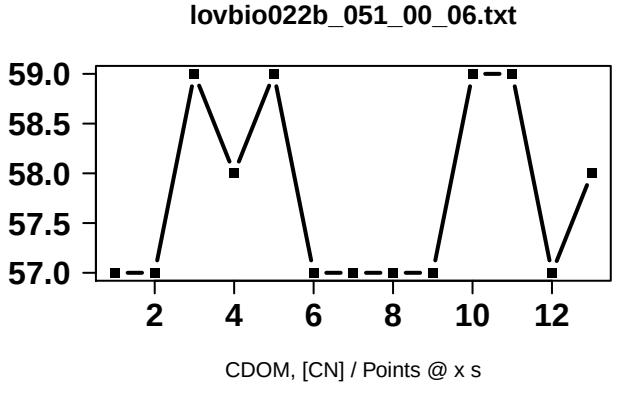

lovbio022b_050_00_06.txt
61
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

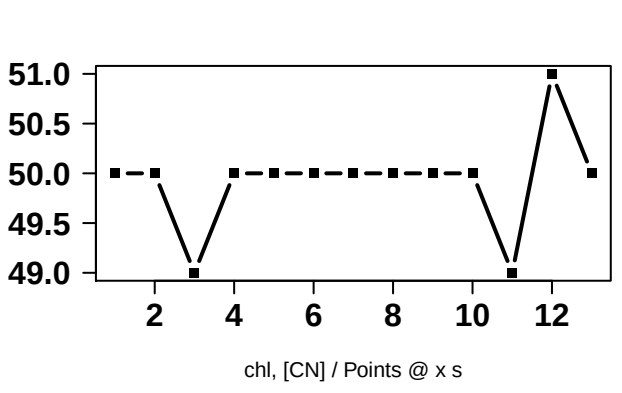

52.0
51.5
51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

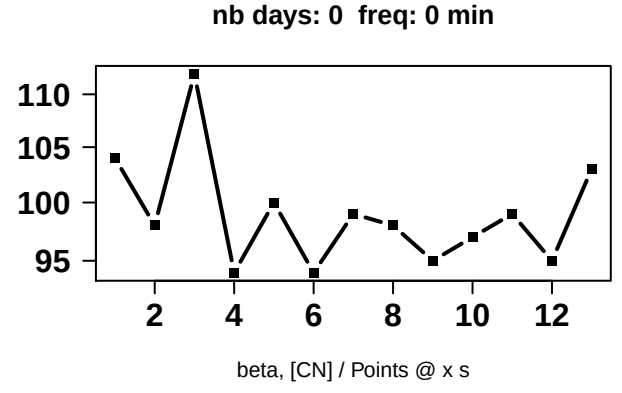

nb days: 0 freq: 0 min
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

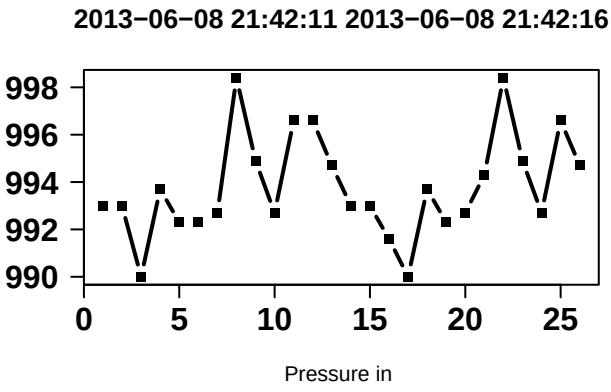

2013−06−07 21:45:23 2013−06−07 21:45:28
990
985
980
0
5
10
15
20
25
Pressure in

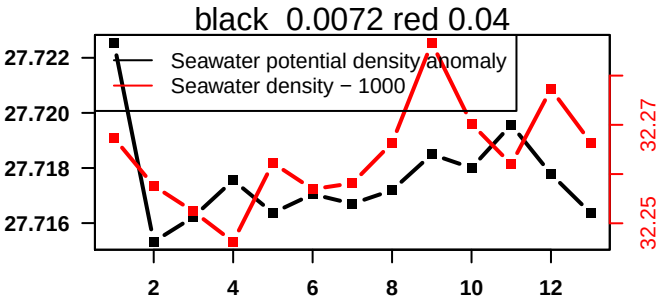

black 0.016 red 0.084
Seawater potential density anomaly
Seawater density − 1000
27.730
27.725
27.720
32.28
32.24
32.20
2
4
6
8
10
12

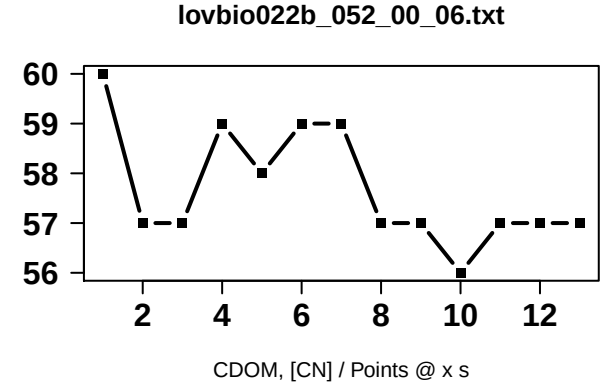

lovbio022b_051_00_06.txt
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

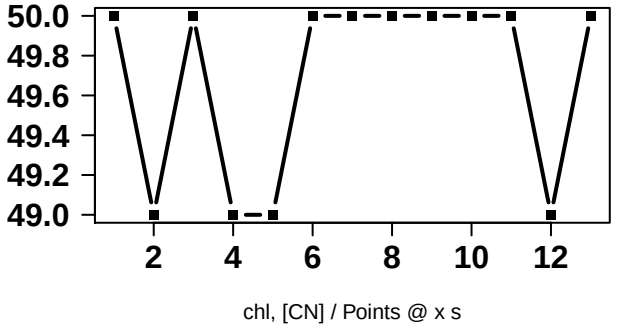

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

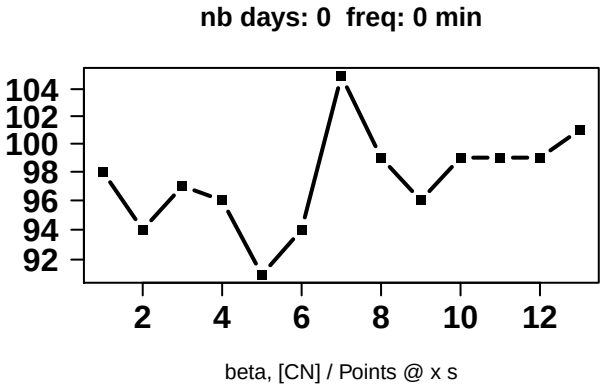

nb days: 0 freq: 0 min
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

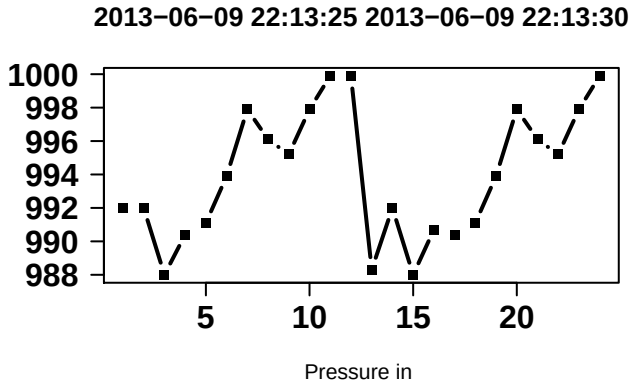

2013−06−08 21:42:11 2013−06−08 21:42:16
998
996
994
992
990
0
5
10
15
20
25
Pressure in

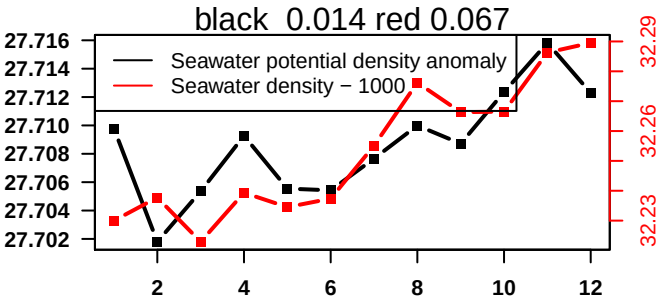

black 0.0072 red 0.04
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
32.27
32.25
2
4
6
8
10
12

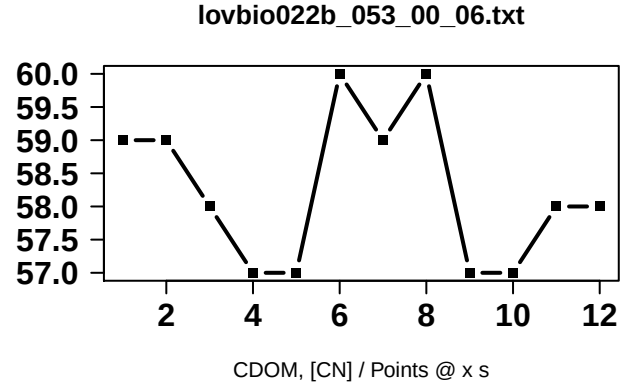

lovbio022b_052_00_06.txt
60
59
58
57
56
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

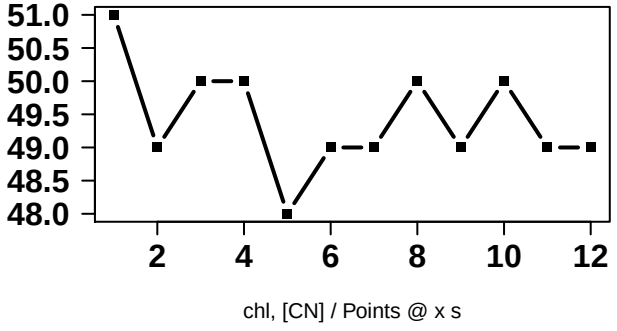

50.0
49.8
49.6
49.4
49.2
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

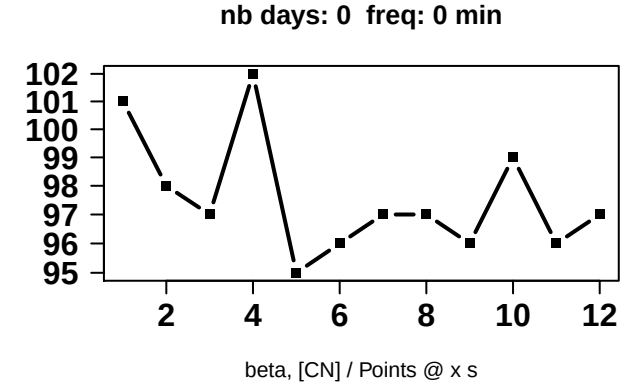

nb days: 0 freq: 0 min
104
102
100
98
96
94
92
2
4
6
8
10
12
beta, [CN] / Points @ x s

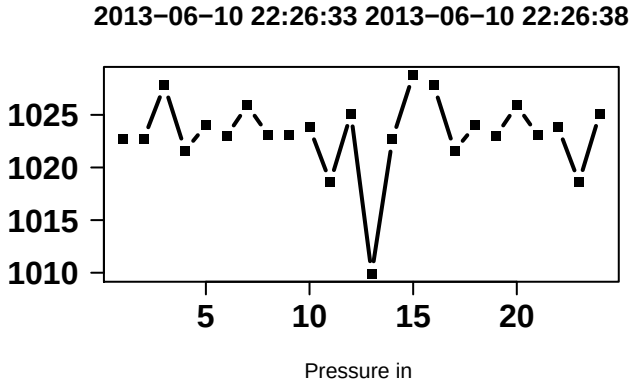

2013−06−09 22:13:25 2013−06−09 22:13:30
1000
998
996
994
992
990
988
5
10
15
20
Pressure in

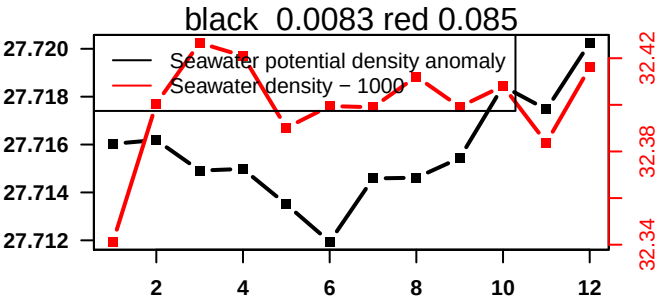

black 0.014 red 0.067
Seawater potential density anomaly
Seawater density − 1000
27.716
27.714
27.712
27.710
27.708
27.706
27.704
27.702
32.29
32.26
32.23
2
4
6
8
10
12

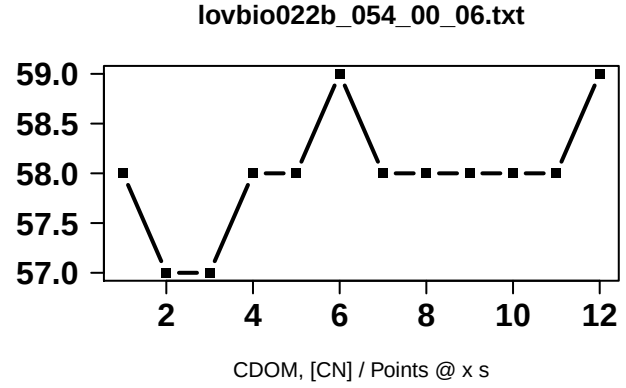

lovbio022b_053_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

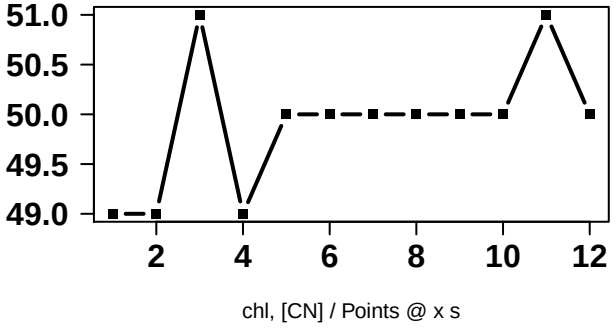

51.0
50.5
50.0
49.5
49.0
48.5
48.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

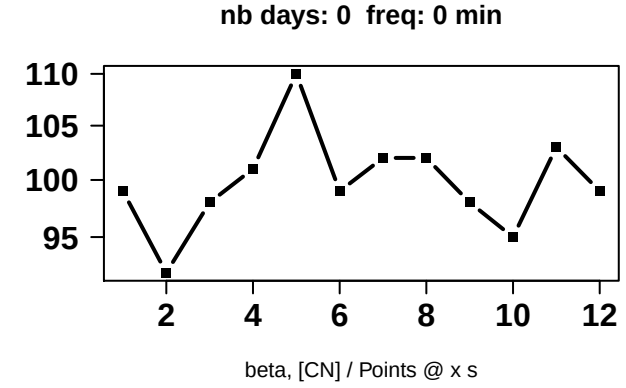

nb days: 0 freq: 0 min
102
101
100
99
98
97
96
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

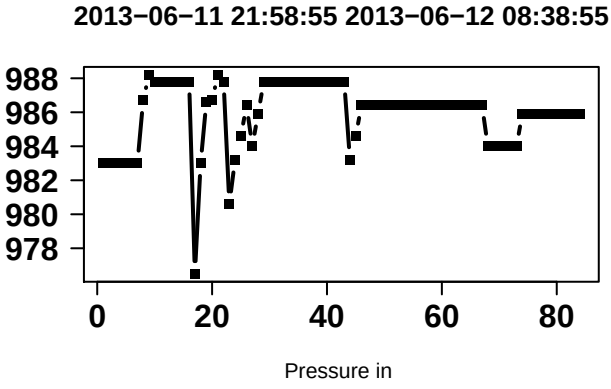

2013−06−10 22:26:33 2013−06−10 22:26:38
1025
1020
1015
1010
5
10
15
20
Pressure in

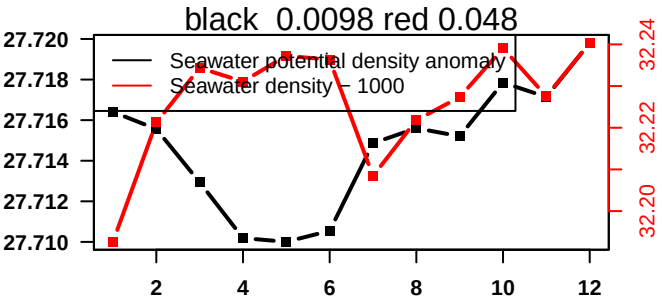

black 0.0083 red 0.085
Seawater potential density anomaly
Seawater density − 1000
27.720
27.718
27.716
27.714
27.712
32.42
32.38
32.34
2
4
6
8
10
12

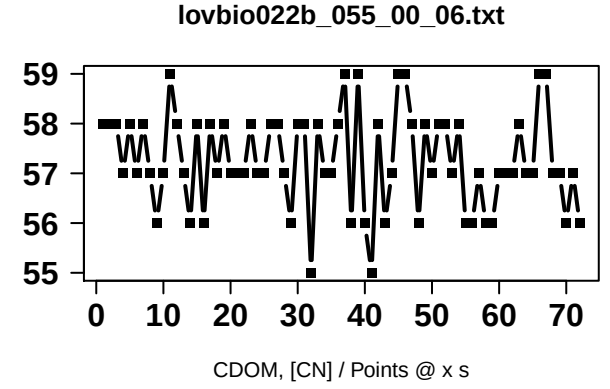

lovbio022b_054_00_06.txt
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
12
CDOM, [CN] / Points @ x s

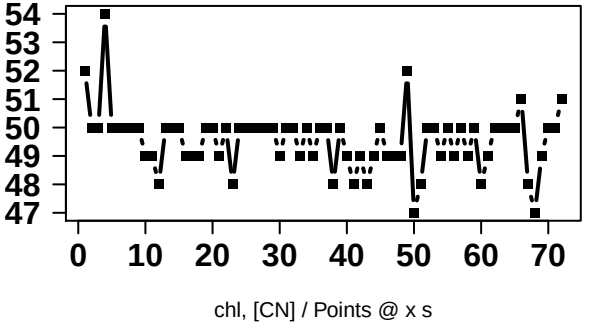

51.0
50.5
50.0
49.5
49.0
2
4
6
8
10
12
chl, [CN] / Points @ x s

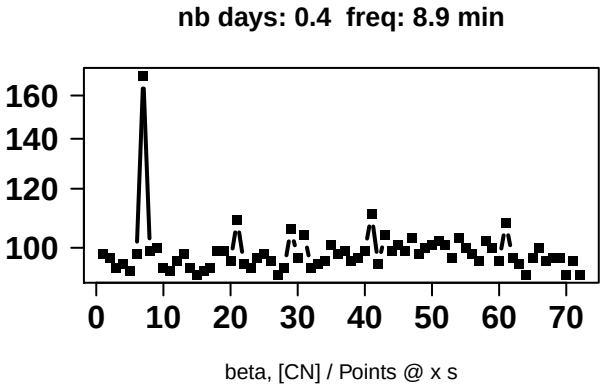

nb days: 0 freq: 0 min
110
105
100
95
2
4
6
8
10
12
beta, [CN] / Points @ x s

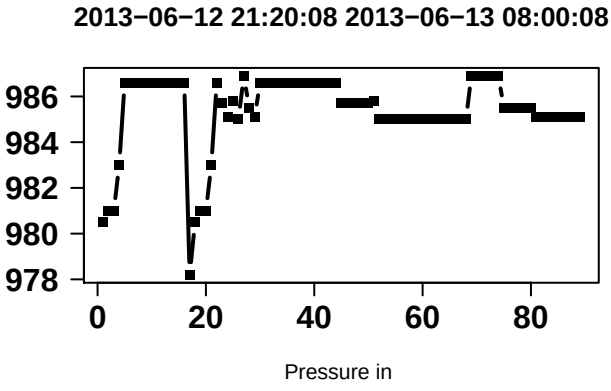

2013−06−11 21:58:55 2013−06−12 08:38:55
988
986
984
982
980
978
0
20
40
60
80
Pressure in

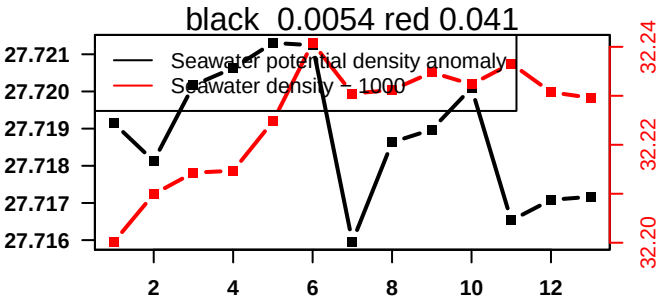

black 0.0098 red 0.048
Seawater potential density anomaly
Seawater density − 1000
27.720
27.718
27.716
27.714
27.712
27.710
32.24
32.22
32.20
2
4
6
8
10
12

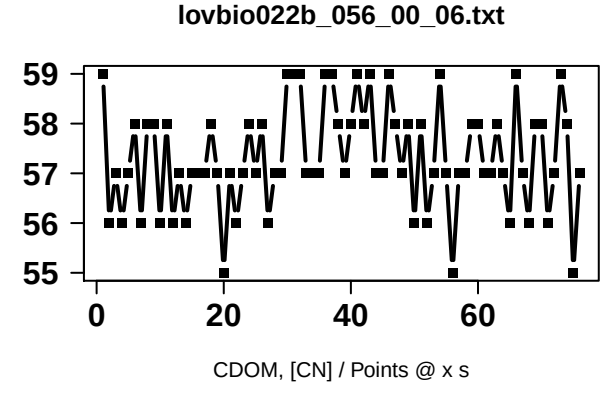

lovbio022b_055_00_06.txt
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

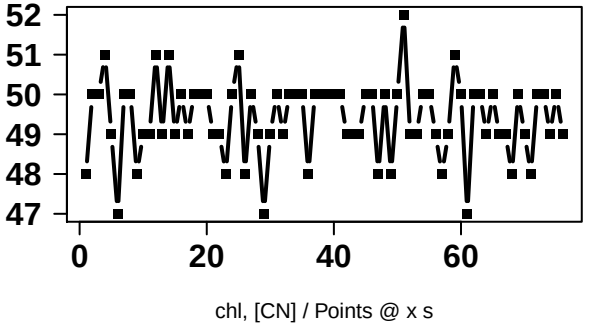

54
53
52
51
50
49
48
47
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

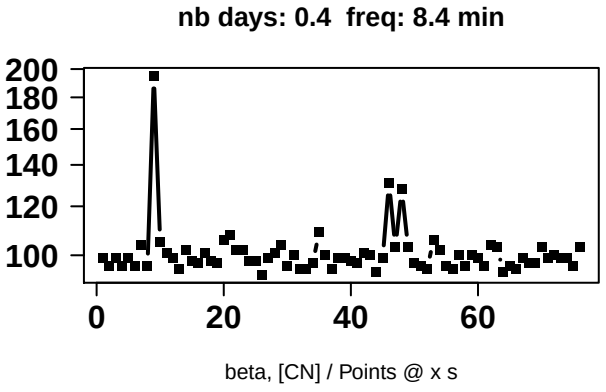

nb days: 0.4 freq: 8.9 min
160
140
120
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

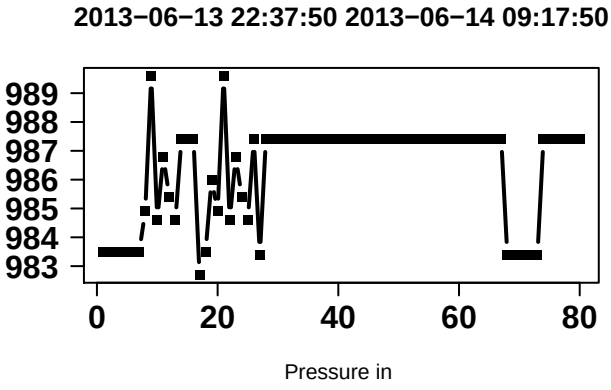

2013−06−12 21:20:08 2013−06−13 08:00:08
986
984
982
980
978
0
20
40
60
80
Pressure in

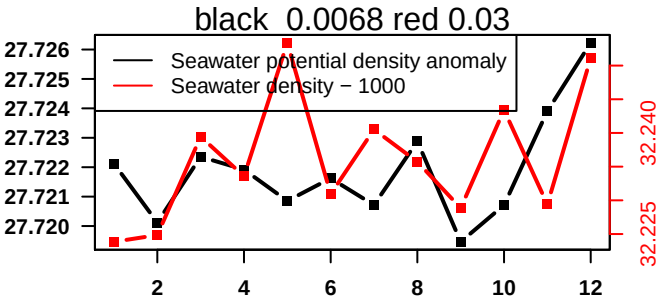

black 0.0054 red 0.041
Seawater potential density anomaly
Seawater density − 1000
27.721
27.720
27.719
27.718
27.717
27.716
32.24
32.22
32.20
2
4
6
8
10
12

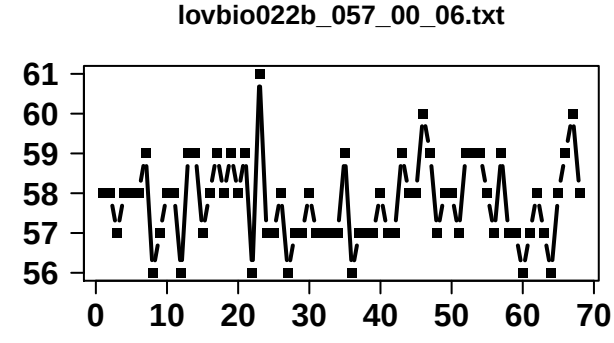

lovbio022b_056_00_06.txt
59
58
57
56
55
0
20
40
60
CDOM, [CN] / Points @ x s

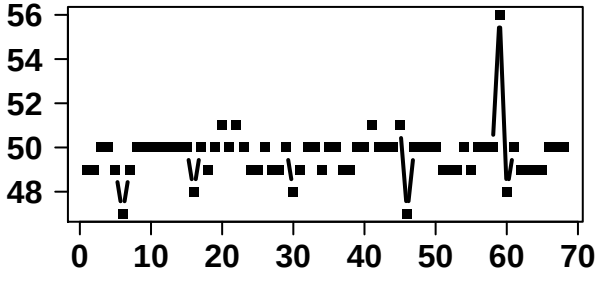

52
51
50
49
48
47
0
20
40
60
chl, [CN] / Points @ x s

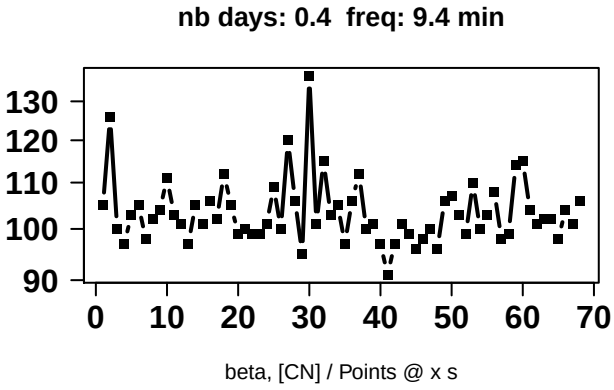

nb days: 0.4 freq: 8.4 min
200
180
160
140
120
100
0
20
40
60
beta, [CN] / Points @ x s

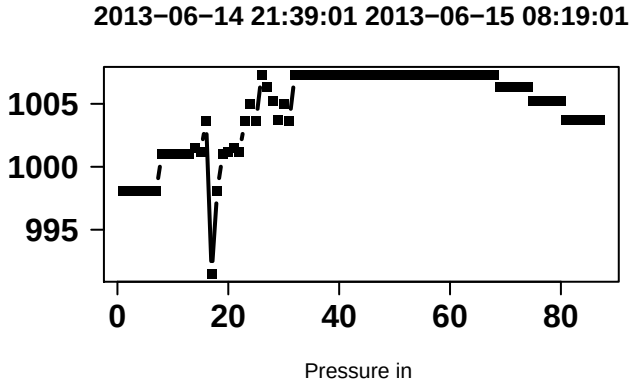

2013−06−13 22:37:50 2013−06−14 09:17:50
989
988
987
986
985
984
983
0
20
40
60
80
Pressure in

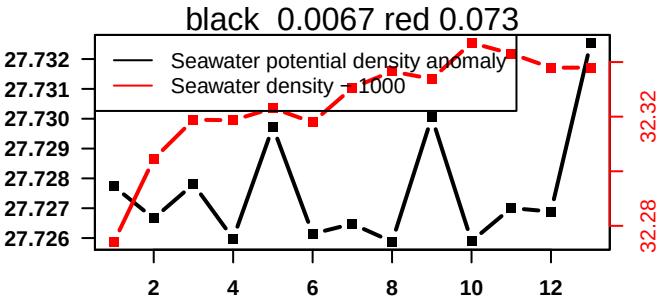

black 0.0068 red 0.03
Seawater potential density anomaly
Seawater density − 1000
27.726
27.725
27.724
27.723
27.722
27.721
27.720
32.240
32.225
2
4
6
8
10
12

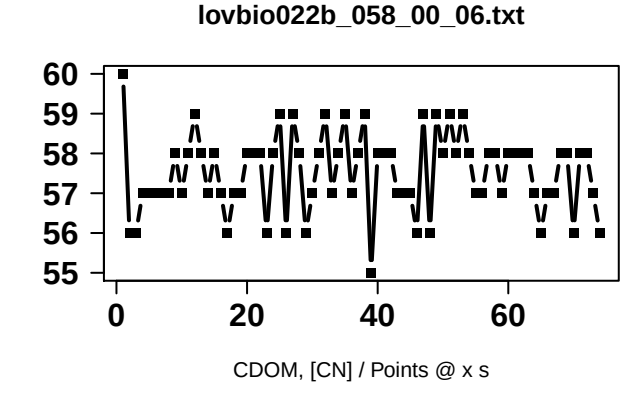

lovbio022b_057_00_06.txt
61
60
59
58
57
56
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

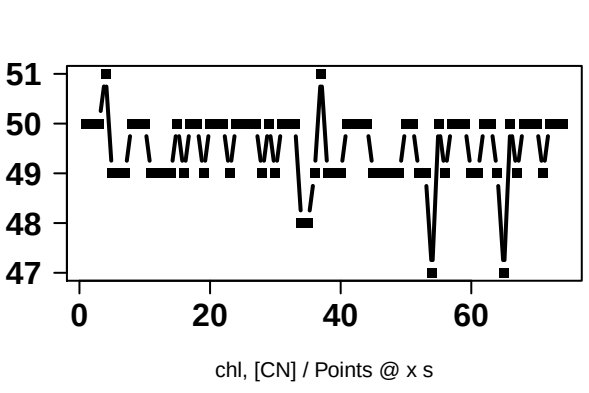

56
54
52
50
48
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

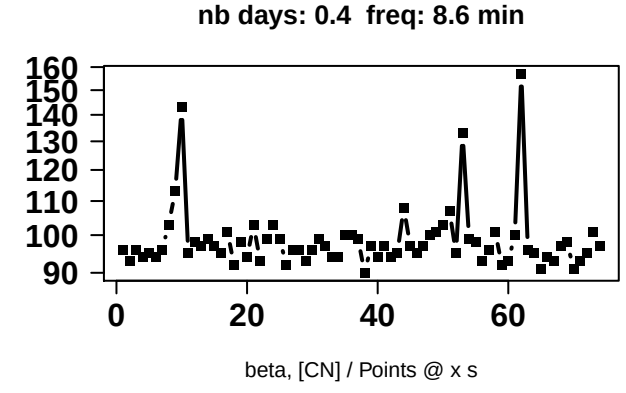

nb days: 0.4 freq: 9.4 min
130
120
110
100
90
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

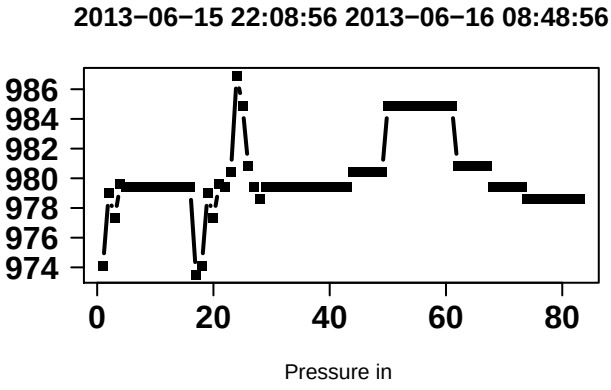

2013−06−14 21:39:01 2013−06−15 08:19:01
1005
1000
995
0
20
40
60
80
Pressure in

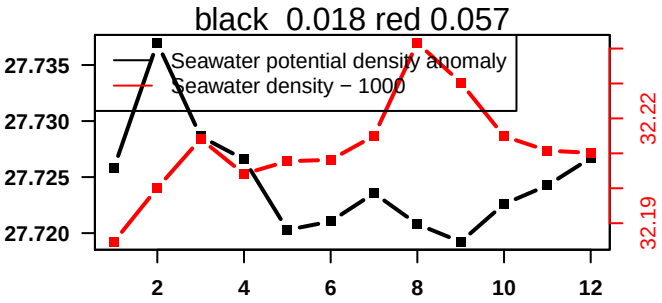

black 0.0067 red 0.073
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
27.728
27.727
27.726
32.32
32.28
2
4
6
8
10
12

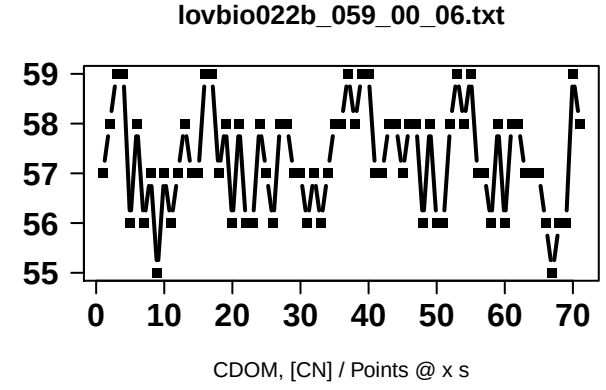

lovbio022b_058_00_06.txt
60
59
58
57
56
55
0
20
40
60
CDOM, [CN] / Points @ x s

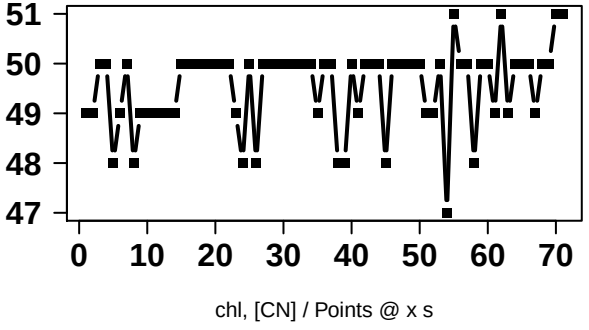

51
50
49
48
47
0
20
40
60
chl, [CN] / Points @ x s

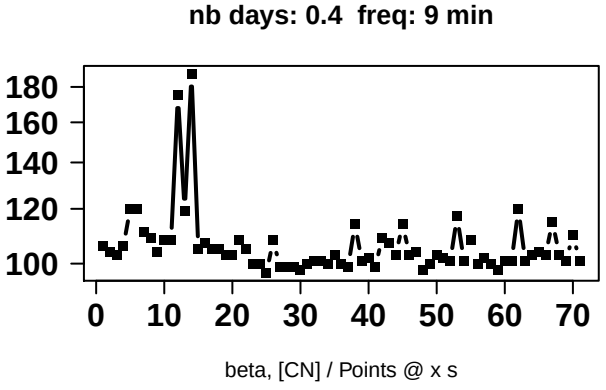

nb days: 0.4 freq: 8.6 min
160
150
140
130
120
110
100
90
0
20
40
60
beta, [CN] / Points @ x s

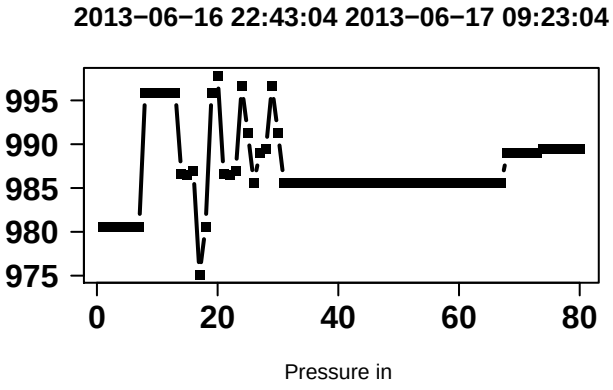

2013−06−15 22:08:56 2013−06−16 08:48:56
986
984
982
980
978
976
974
0
20
40
60
80
Pressure in

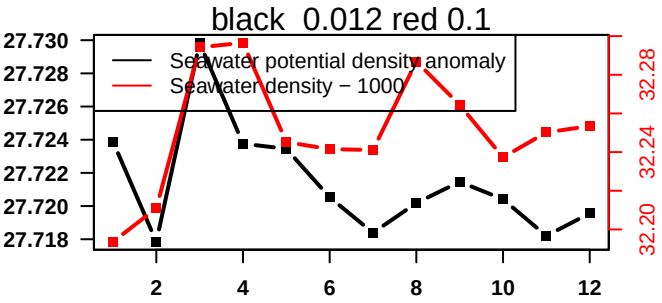

black 0.018 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
32.22
32.19
2
4
6
8
10
12

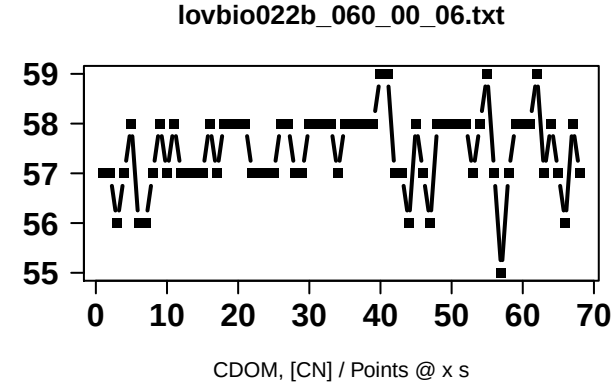

lovbio022b_059_00_06.txt
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

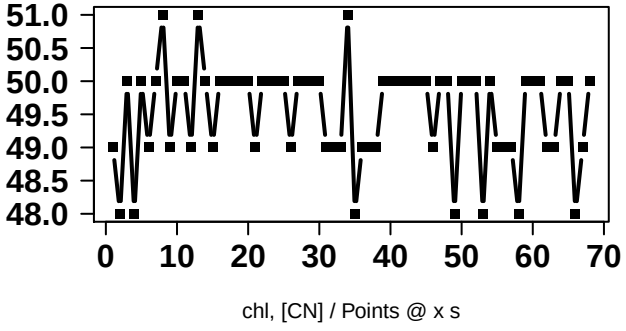

51
50
49
48
47
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

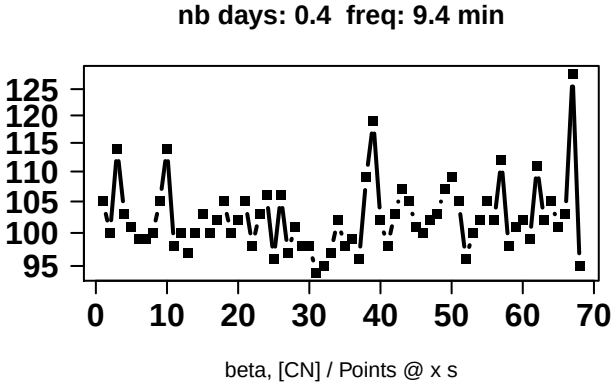

nb days: 0.4 freq: 9 min
180
160
140
120
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

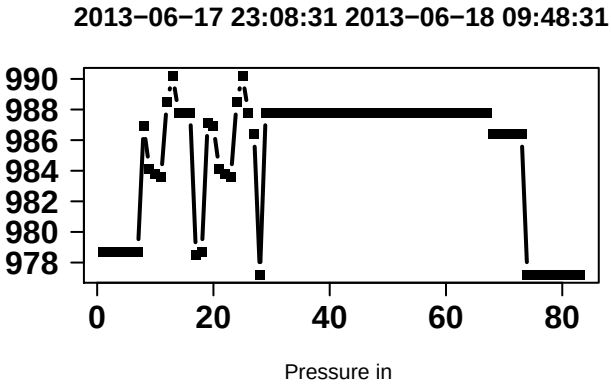

2013−06−16 22:43:04 2013−06−17 09:23:04
995
990
985
980
975
0
20
40
60
80
Pressure in

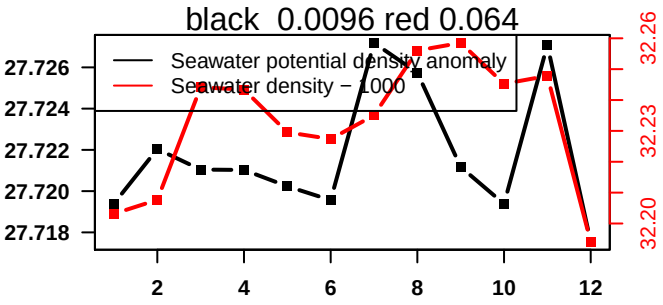

black 0.012 red 0.1
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
27.720
27.718
32.28
32.24
32.20
2
4
6
8
10
12

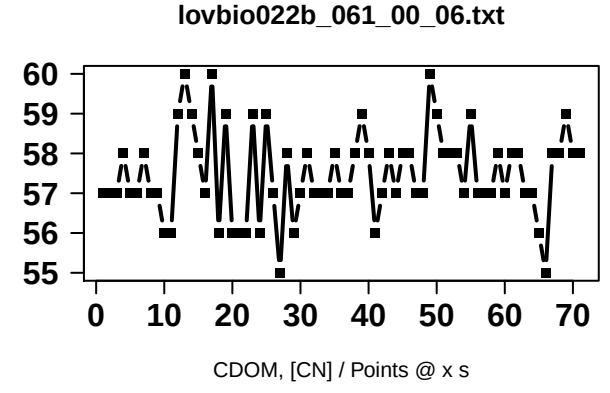

lovbio022b_060_00_06.txt
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

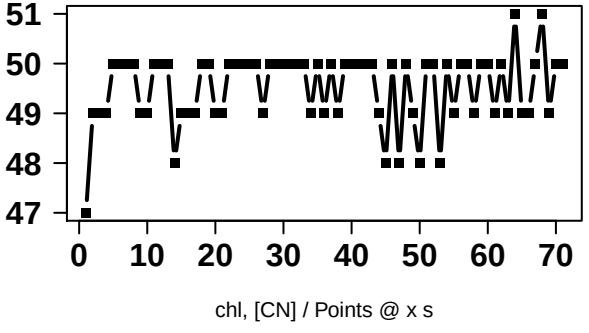

51.0
50.5
50.0
49.5
49.0
48.5
48.0
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

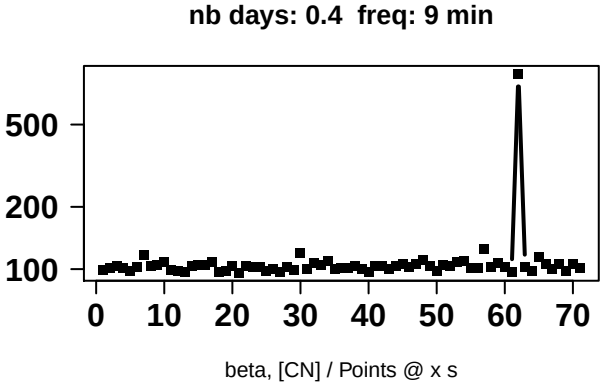

nb days: 0.4 freq: 9.4 min
125
120
115
110
105
100
95
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

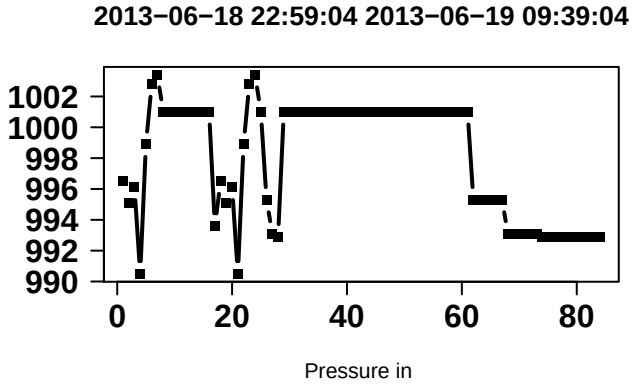

2013−06−17 23:08:31 2013−06−18 09:48:31
990
988
986
984
982
980
978
0
20
40
60
80
Pressure in

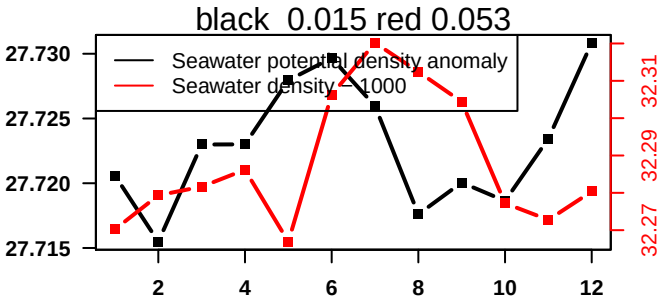

black 0.0096 red 0.064
Seawater potential density anomaly
Seawater density − 1000
27.726
27.724
27.722
27.720
27.718
32.26
32.23
32.20
2
4
6
8
10
12

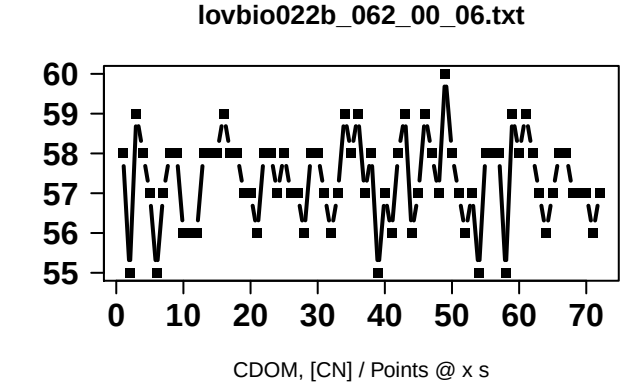

lovbio022b_061_00_06.txt
60
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

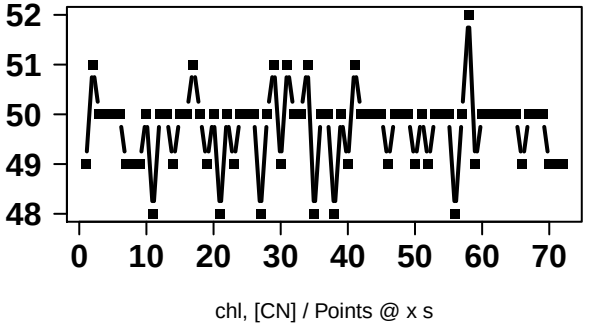

51
50
49
48
47
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

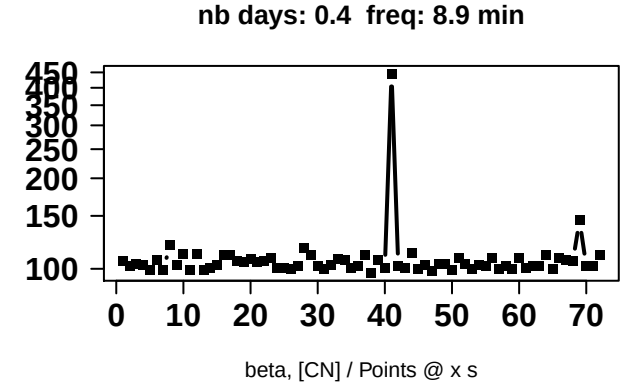

nb days: 0.4 freq: 9 min
500
200
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

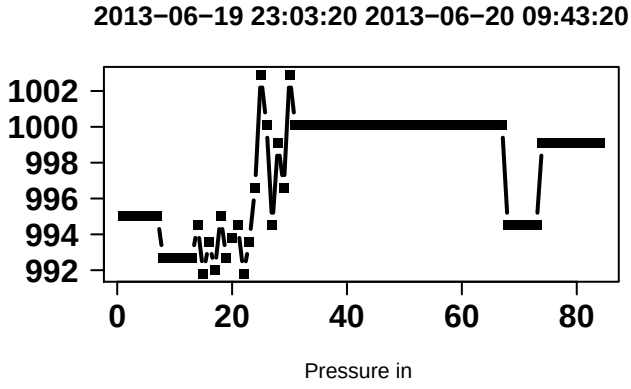

2013−06−18 22:59:04 2013−06−19 09:39:04
1002
1000
998
996
994
992
990
0
20
40
60
80
Pressure in

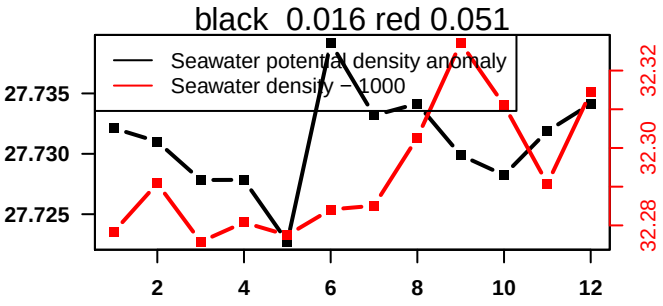

black 0.015 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.730
27.725
27.720
27.715
2
4
6
8
10
12
32.31
32.29
32.27

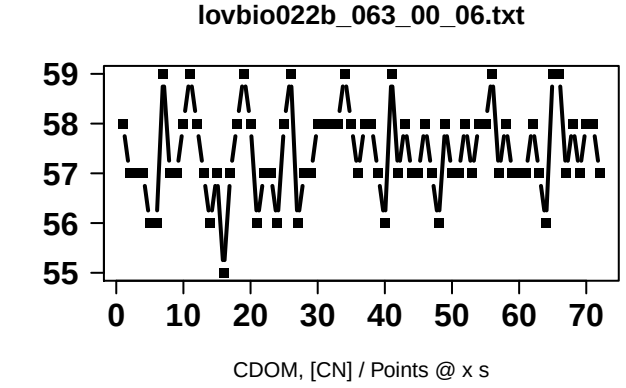

lovbio022b_062_00_06.txt
60
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

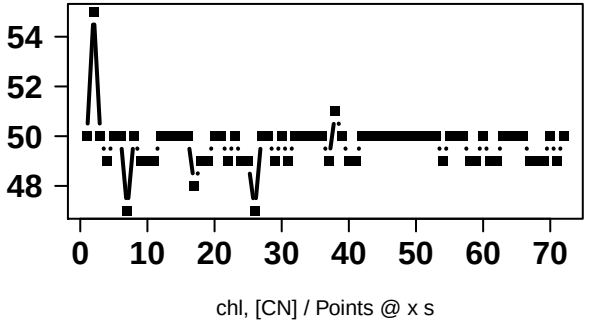

52
51
50
49
48
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

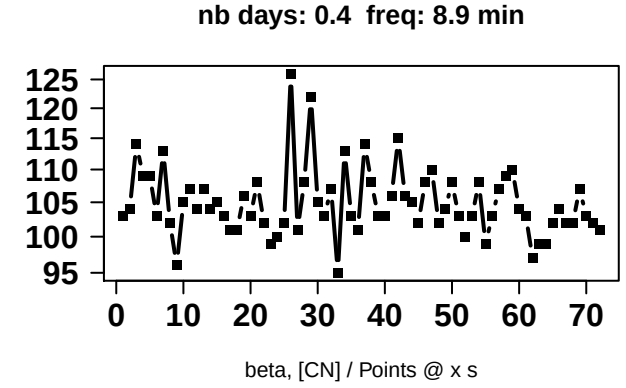

nb days: 0.4 freq: 8.9 min
450
400
350
300
250
200
150
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

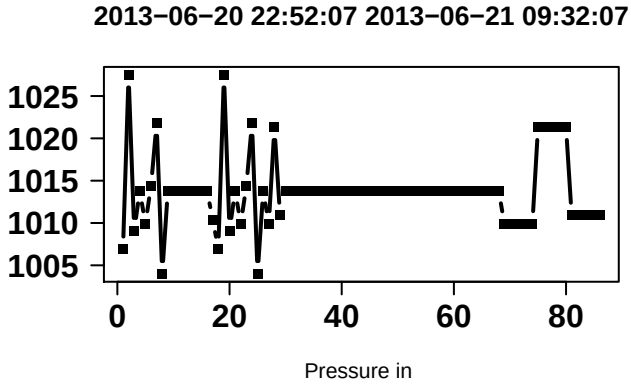

2013−06−19 23:03:20 2013−06−20 09:43:20
1002
1000
998
996
994
992
0
20
40
60
80
Pressure in

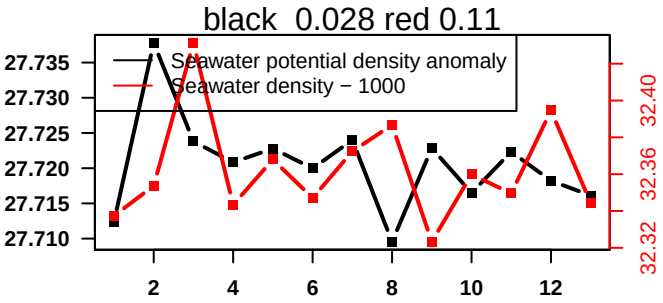

black 0.016 red 0.051
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
32.32
32.30
32.28
2
4
6
8
10
12

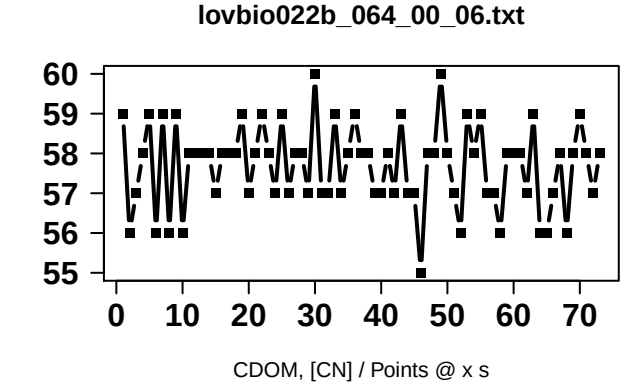

lovbio022b_063_00_06.txt
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

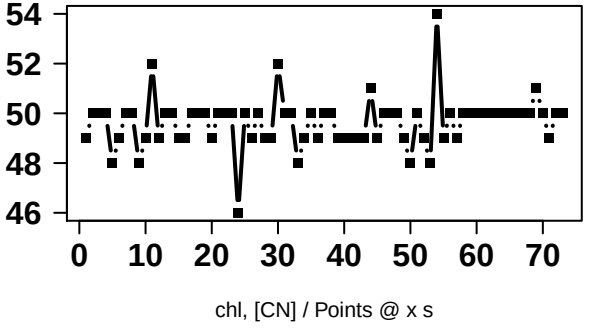

54
52
50
48
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

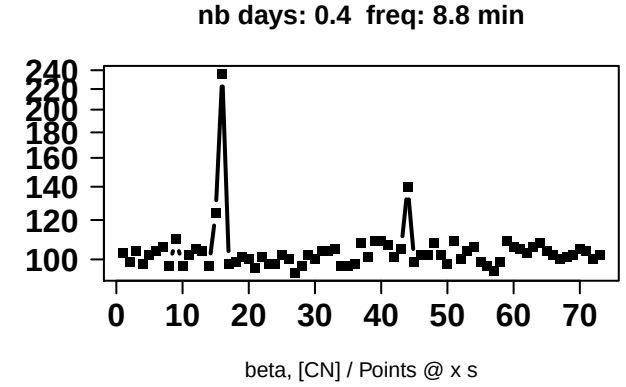

nb days: 0.4 freq: 8.9 min
125
120
115
110
105
100
95
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

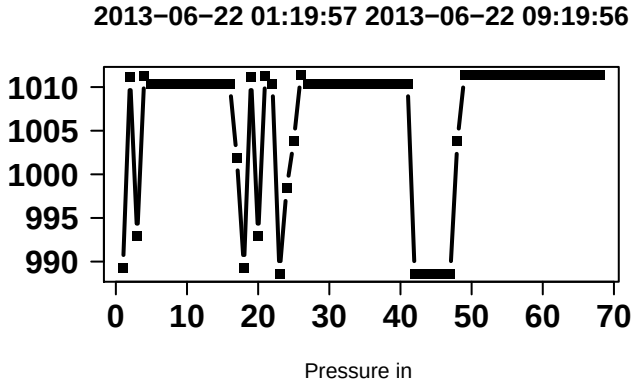

2013−06−20 22:52:07 2013−06−21 09:32:07
1025
1020
1015
1010
1005
0
20
40
60
80
Pressure in

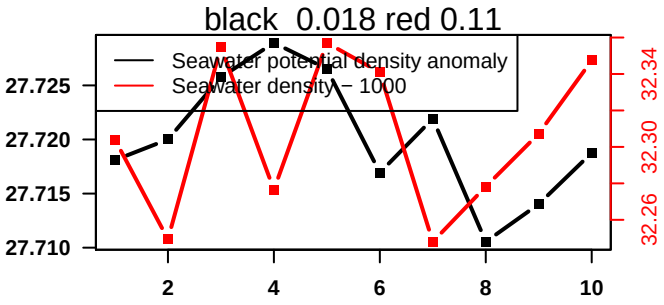

black 0.028 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
27.715
27.710
32.40
32.36
32.32
2
4
6
8
10
12

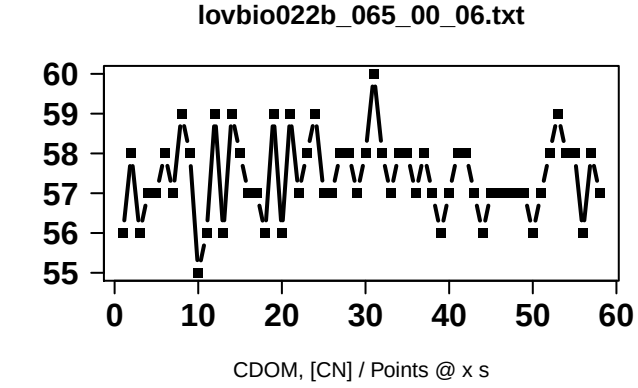

lovbio022b_064_00_06.txt
60
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

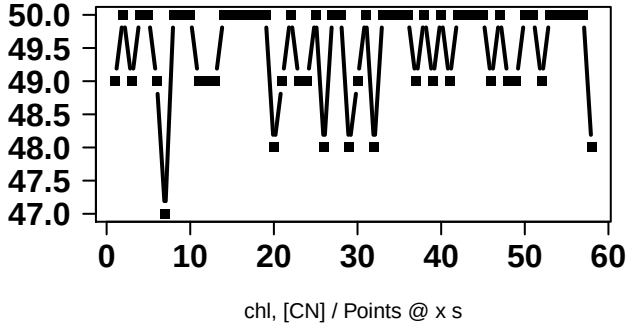

54
52
50
48
46
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

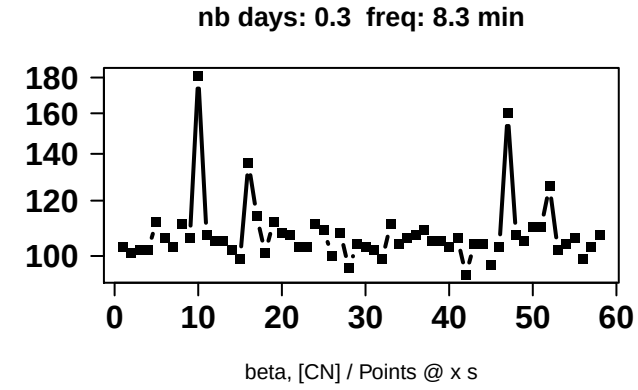

nb days: 0.4 freq: 8.8 min
240
220
200
180
160
140
120
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

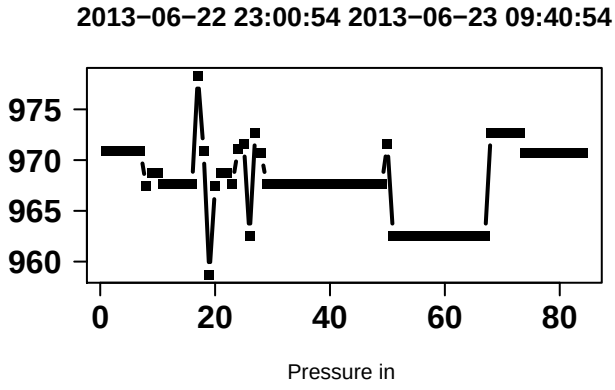

2013−06−22 01:19:57 2013−06−22 09:19:56
1010
1005
1000
995
990
0
10
20
30
40
50
60
70
Pressure in

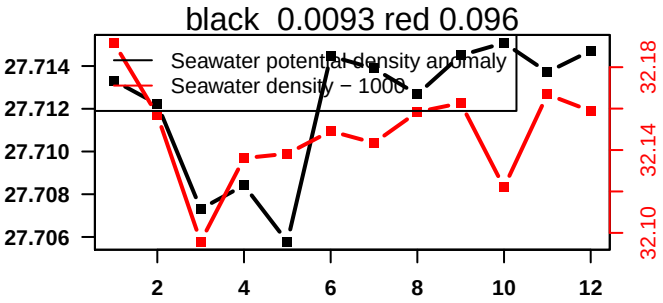

black 0.018 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
27.710
32.34
32.30
32.26
2
4
6
8
10

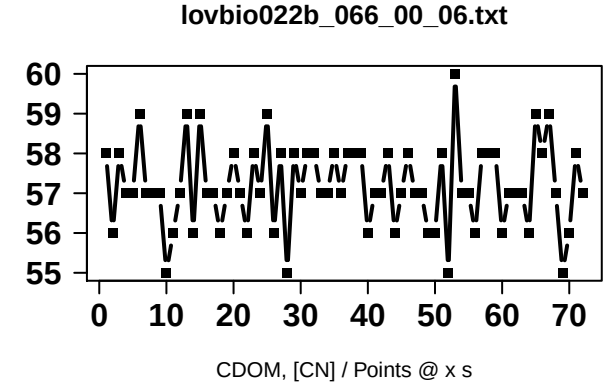

lovbio022b_065_00_06.txt
60
59
58
57
56
55
0
10
20
30
40
50
60
CDOM, [CN] / Points @ x s

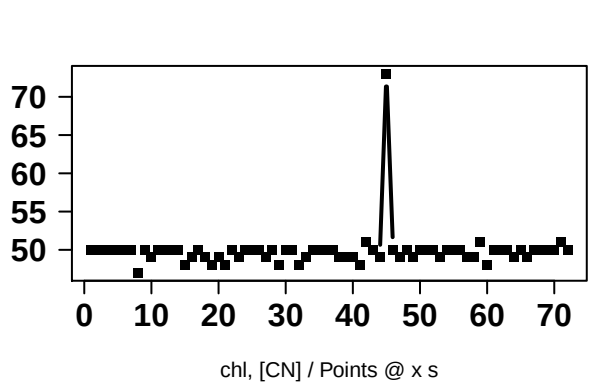

50.0
49.5
49.0
48.5
48.0
47.5
47.0
0
10
20
30
40
50
60
chl, [CN] / Points @ x s

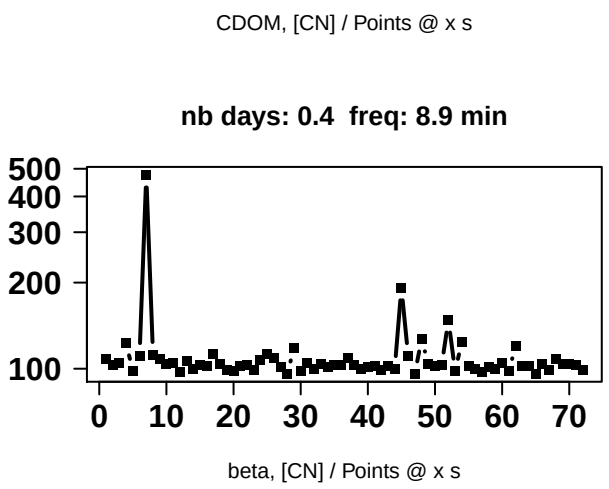

nb days: 0.3 freq: 8.3 min
180
160
140
120
100
0
10
20
30
40
50
60
beta, [CN] / Points @ x s

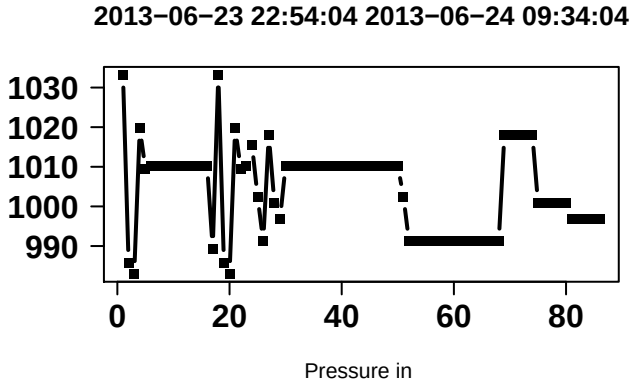

2013−06−22 23:00:54 2013−06−23 09:40:54
975
970
965
960
0
20
40
60
80
Pressure in

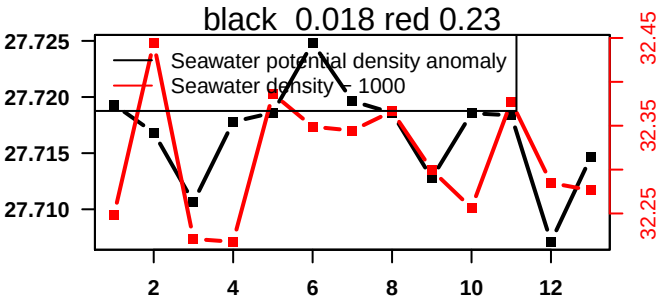

black 0.0093 red 0.096
Seawater potential density anomaly
Seawater density − 1000
27.714
27.712
27.710
27.708
27.706
32.18
32.14
32.10
2
4
6
8
10
12

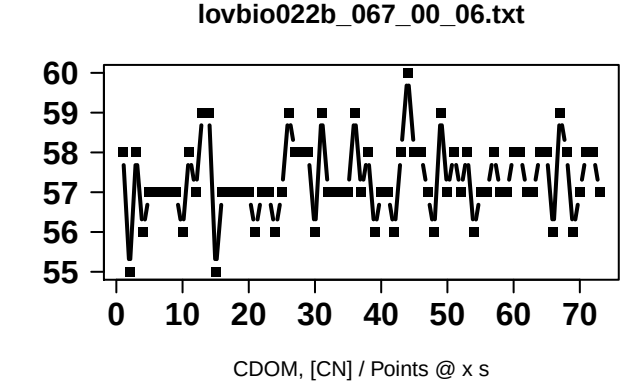

lovbio022b_066_00_06.txt
60
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

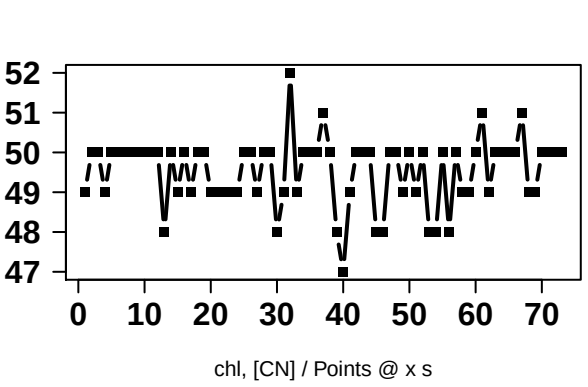

70
65
60
55
50
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

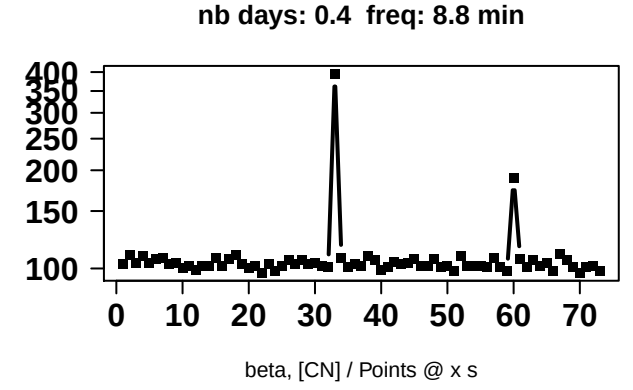

nb days: 0.4 freq: 8.9 min
500
400
300
200
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

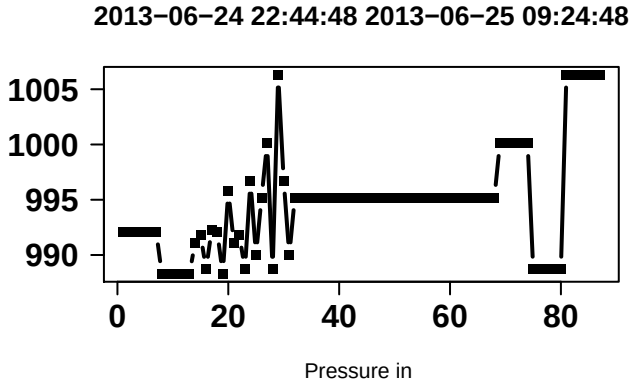

2013−06−23 22:54:04 2013−06−24 09:34:04
1030
1020
1010
1000
990
0
20
40
60
80
Pressure in

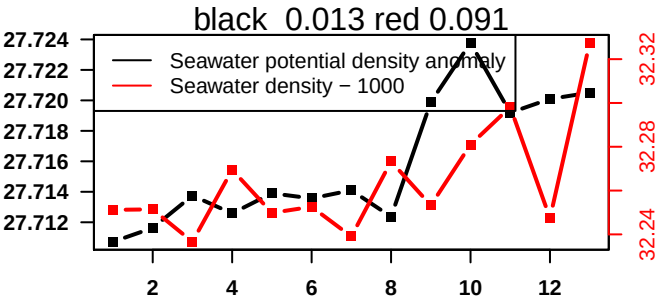

black 0.018 red 0.23
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
27.710
32.45
32.35
32.25
2
4
6
8
10
12

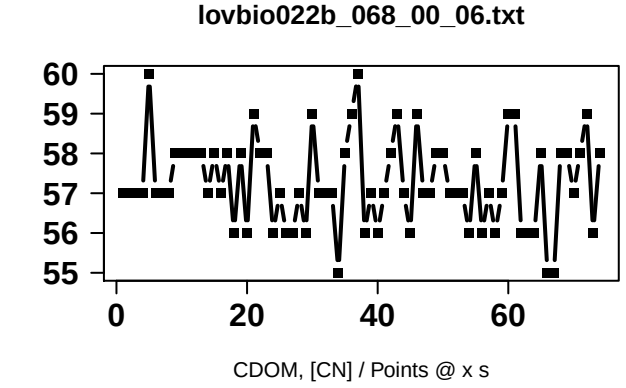

lovbio022b_067_00_06.txt
60
59
58
57
56
55
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

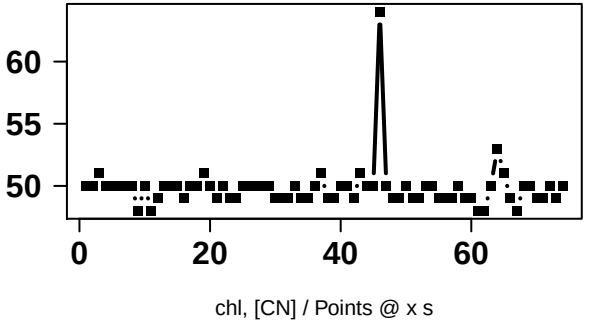

52
51
50
49
48
47
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

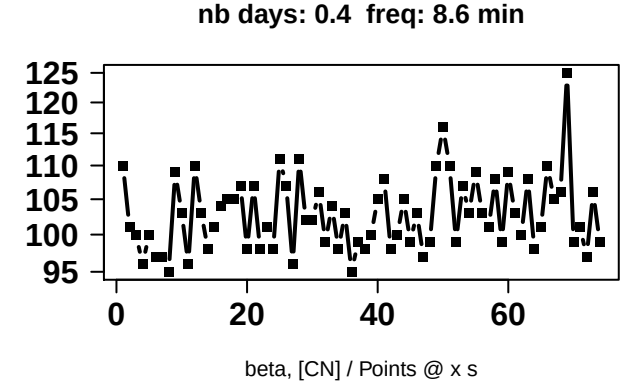

nb days: 0.4 freq: 8.8 min
400
350
300
250
200
150
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

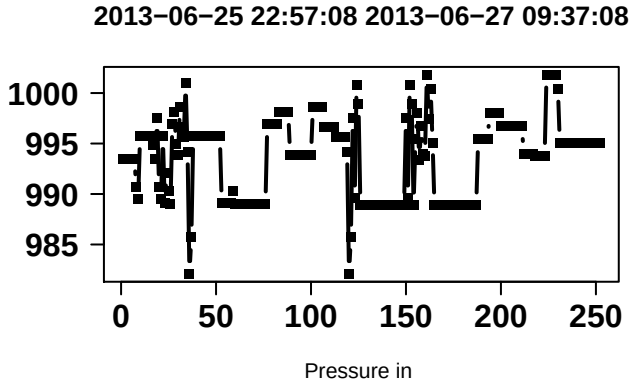

2013−06−24 22:44:48 2013−06−25 09:24:48
1005
1000
995
990
0
20
40
60
80
Pressure in

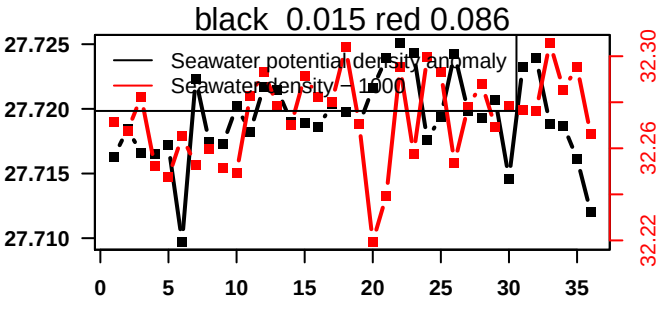

black 0.013 red 0.091
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
27.716
27.714
27.712
32.32
32.28
32.24
2
4
6
8
10
12

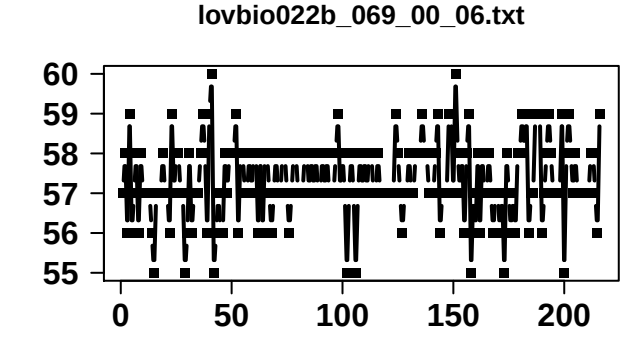

lovbio022b_068_00_06.txt
60
59
58
57
56
55
0
20
40
60
CDOM, [CN] / Points @ x s

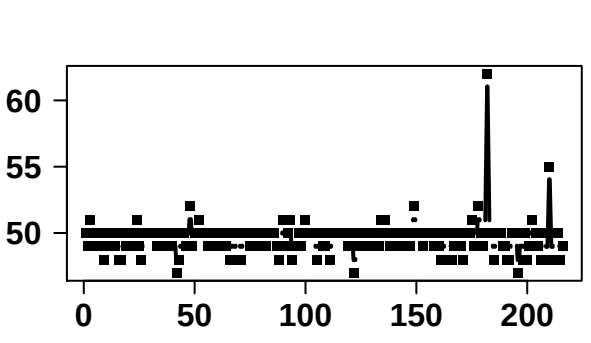

60
55
50
0
20
40
60
chl, [CN] / Points @ x s

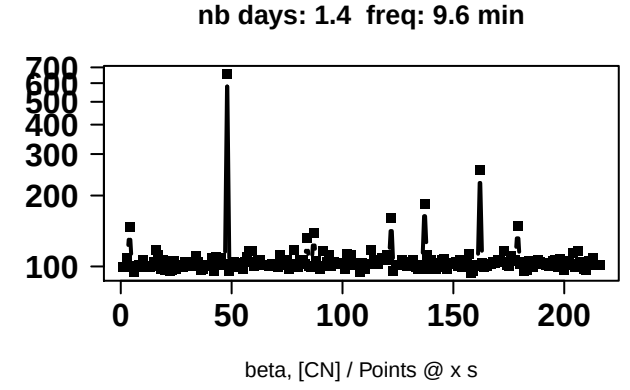

nb days: 0.4 freq: 8.6 min
125
120
115
110
105
100
95
0
20
40
60
beta, [CN] / Points @ x s

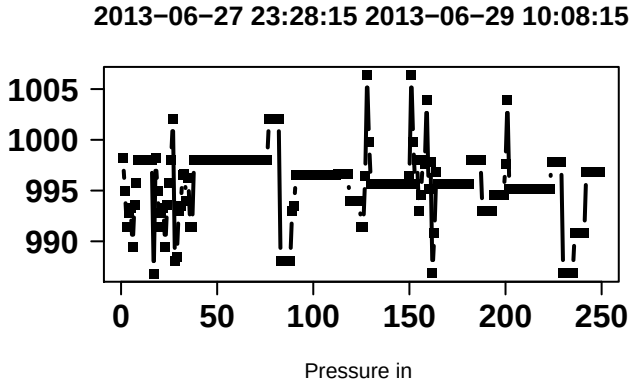

2013−06−25 22:57:08 2013−06−27 09:37:08
1000
995
990
985
0
50
100
150
200
250
Pressure in

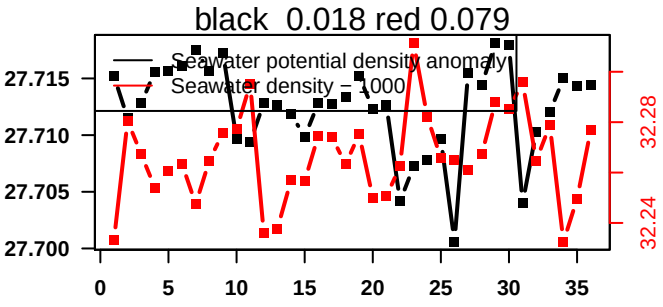

black 0.015 red 0.086
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
27.710
32.30
32.26
32.22
0
5
10
15
20
25
30
35

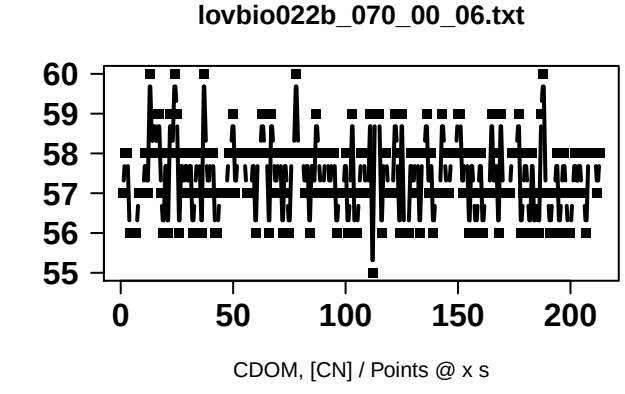

lovbio022b_069_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

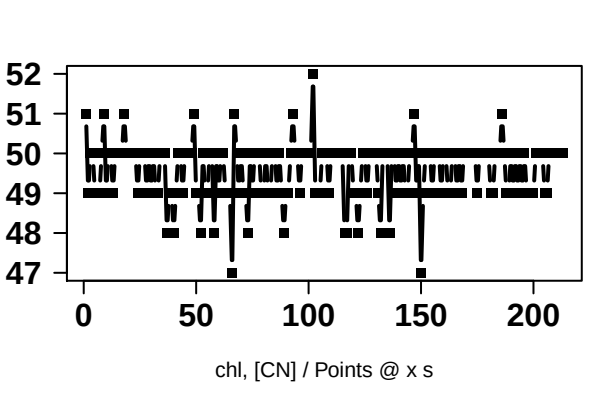

60
55
50
0
50
100
150
200
chl, [CN] / Points @ x s

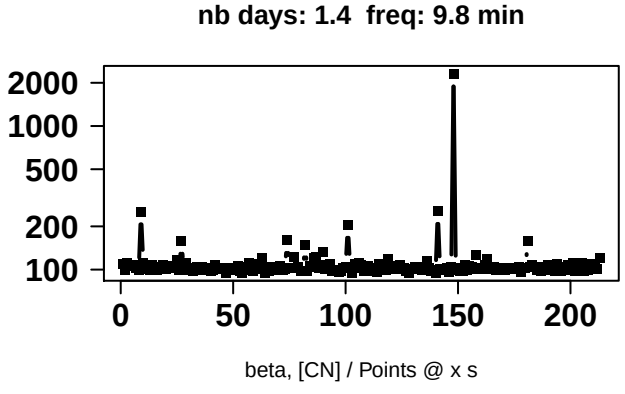

nb days: 1.4 freq: 9.6 min
700
600
500
400
300
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

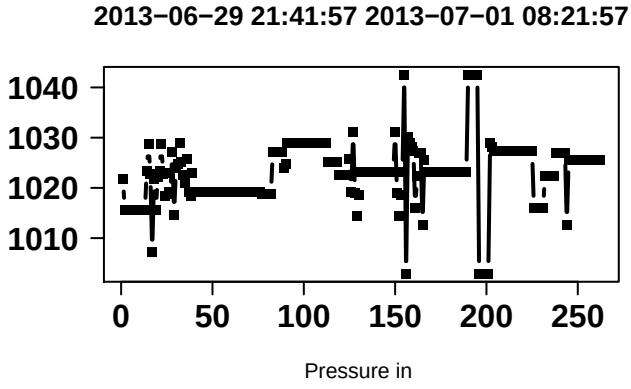

2013−06−27 23:28:15 2013−06−29 10:08:15
1005
1000
995
990
0
50
100
150
200
250
Pressure in

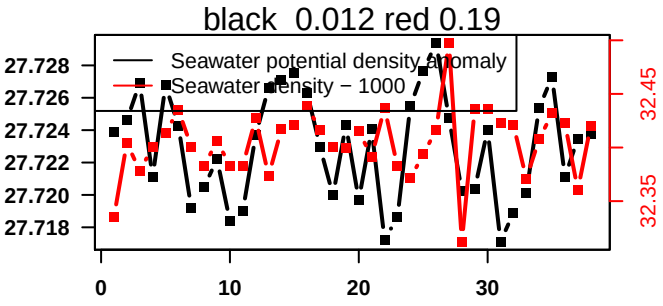

black 0.018 red 0.079
Seawater potential density anomaly
Seawater density − 1000
27.715
27.710
27.705
27.700
32.28
32.24
0
5
10
15
20
25
30
35

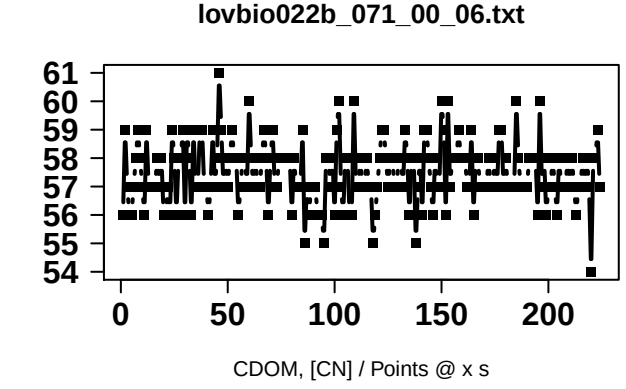

lovbio022b_070_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

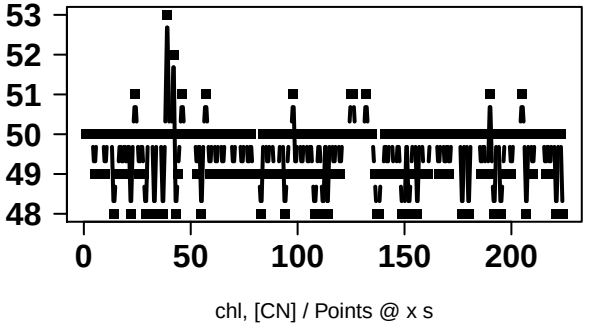

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

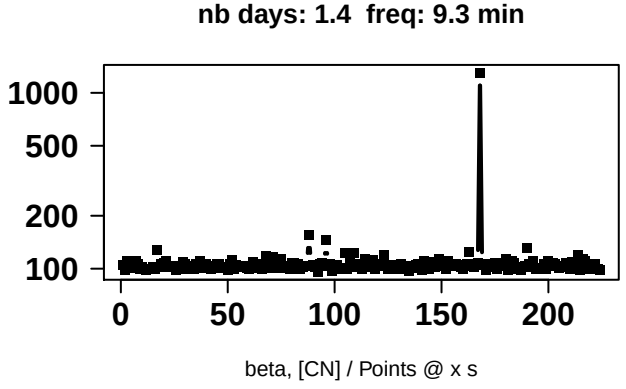

nb days: 1.4 freq: 9.8 min
2000
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

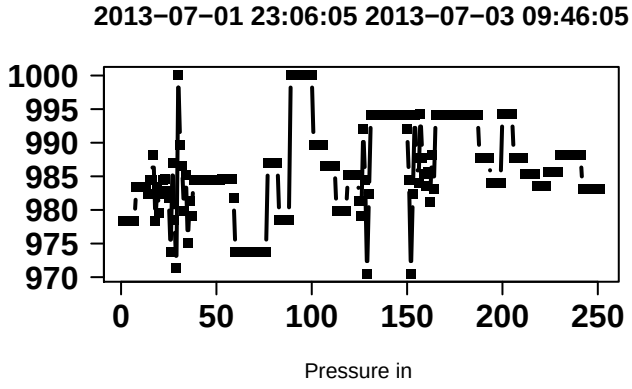

2013−06−29 21:41:57 2013−07−01 08:21:57
1040
1030
1020
1010
0
50
100
150
200
250
Pressure in

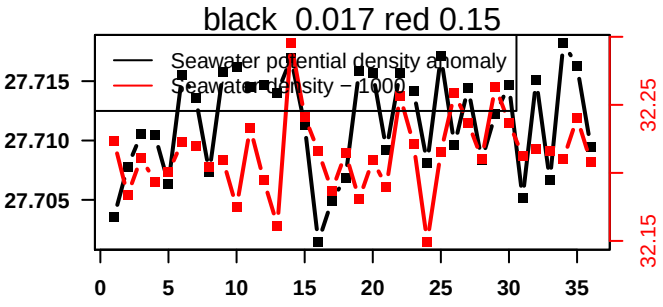

black 0.012 red 0.19
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
27.720
27.718
32.45
32.35
0
10
20
30

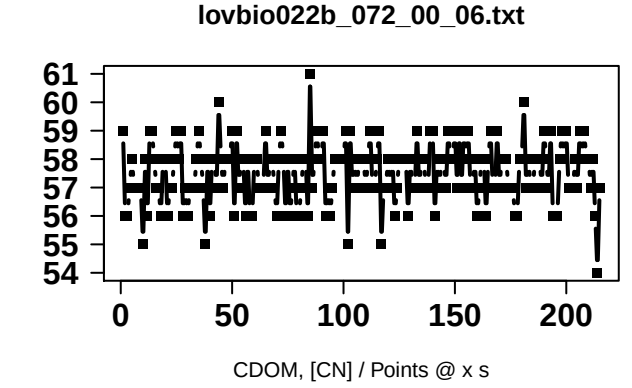

lovbio022b_071_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

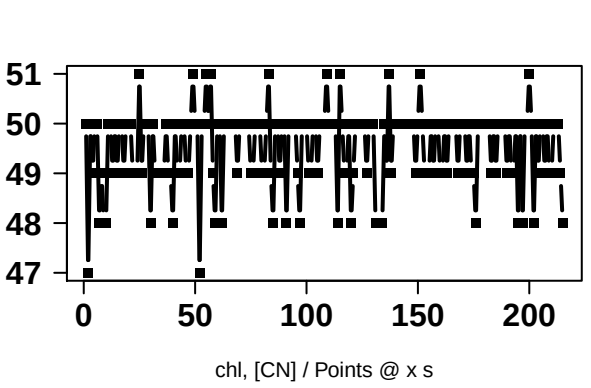

53
52
51
50
49
48
0
50
100
150
200
chl, [CN] / Points @ x s

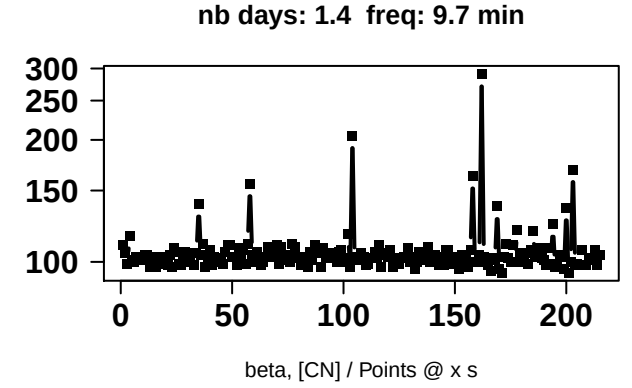

nb days: 1.4 freq: 9.3 min
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

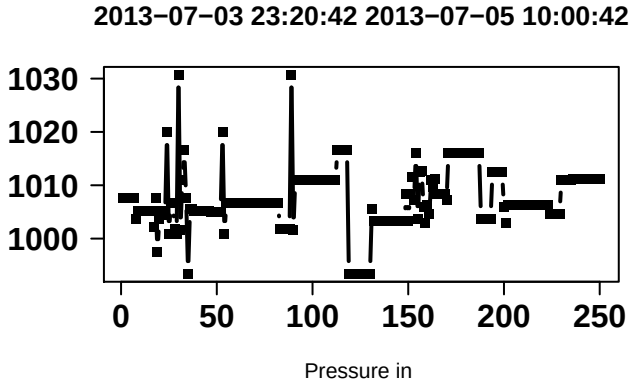

2013−07−01 23:06:05 2013−07−03 09:46:05
1000
995
990
985
980
975
970
0
50
100
150
200
250
Pressure in

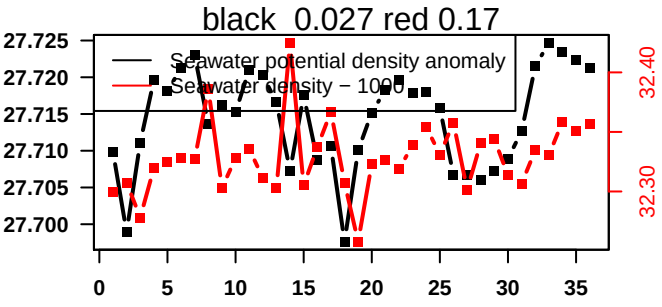

black 0.017 red 0.15
Seawater potential density anomaly
Seawater density −1000
27.715
27.710
27.705
32.25
32.15
0
5
10
15
20
25
30
35

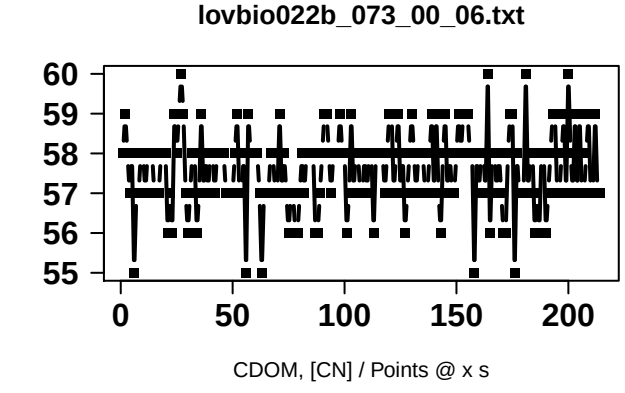

lovbio022b_072_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

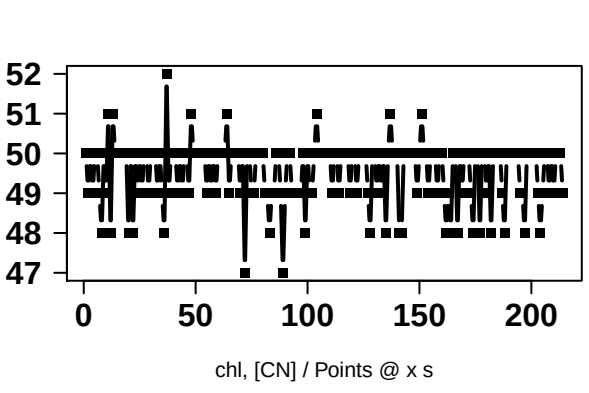

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

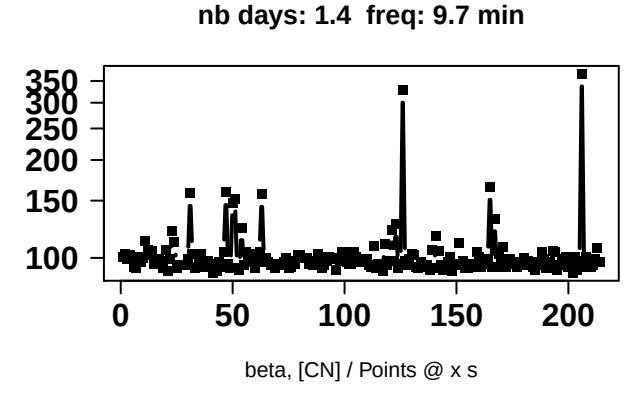

nb days: 1.4 freq: 9.7 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

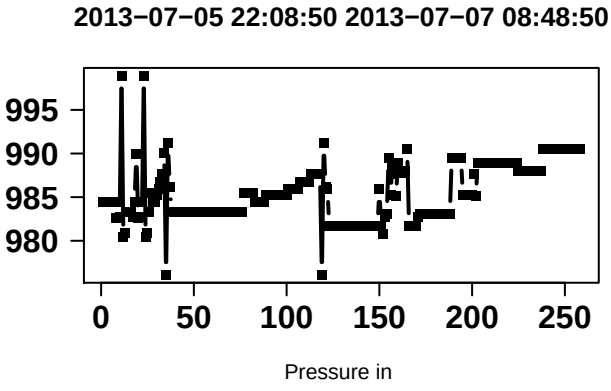

2013−07−03 23:20:42 2013−07−05 10:00:42
1030
1020
1010
1000
0
50
100
150
200
250
Pressure in

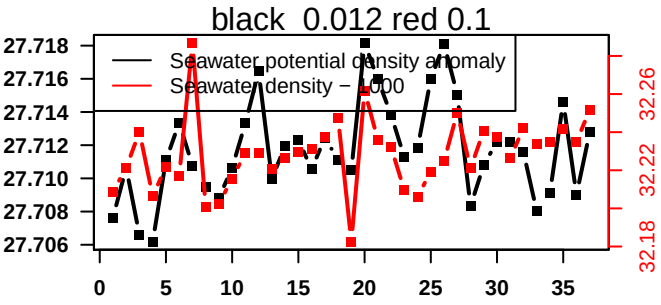

black 0.027 red 0.17
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
27.710
27.705
27.700
32.40
32.30
0
5
10
15
20
25
30
35

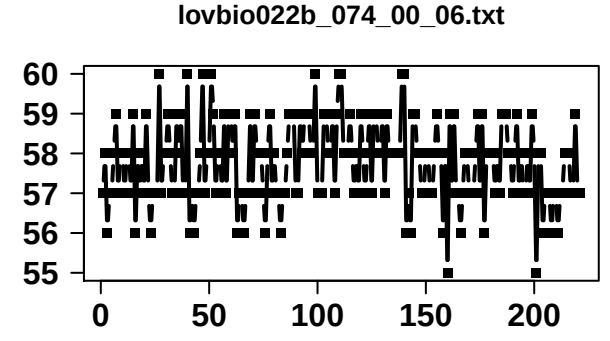

lovbio022b_073_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

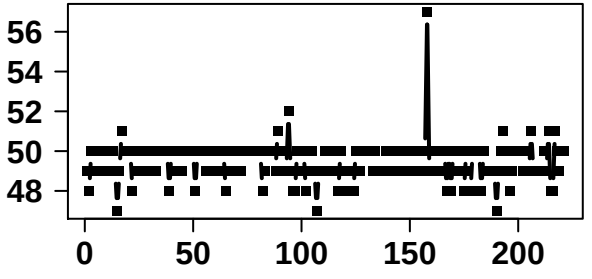

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

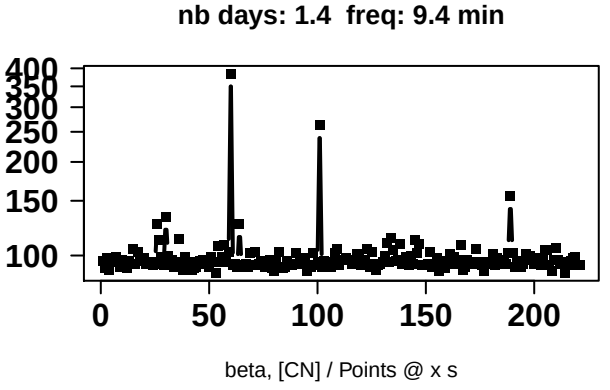

nb days: 1.4 freq: 9.7 min
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

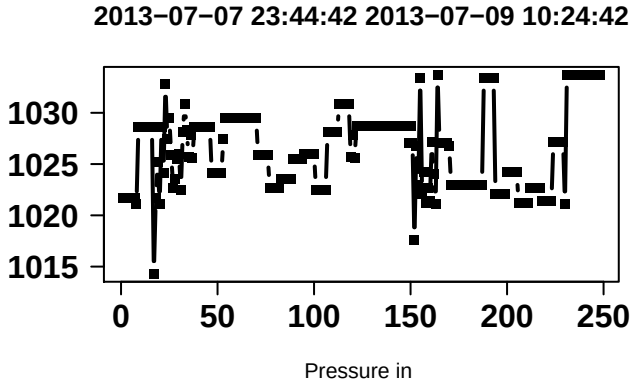

2013−07−05 22:08:50 2013−07−07 08:48:50
995
990
985
980
0
50
100
150
200
250
Pressure in

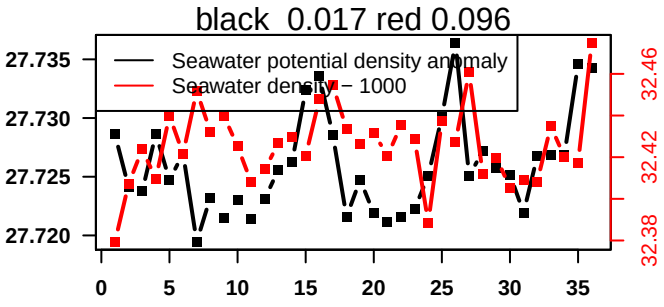

black 0.012 red 0.1
Seawater potential density anomaly
Seawater density − 1000
27.718
27.716
27.714
27.712
27.710
27.708
27.706
32.26
32.22
32.18
0
5
10
15
20
25
30
35

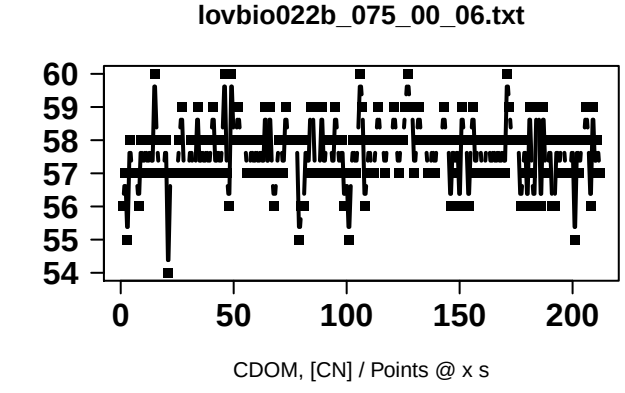

lovbio022b_074_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

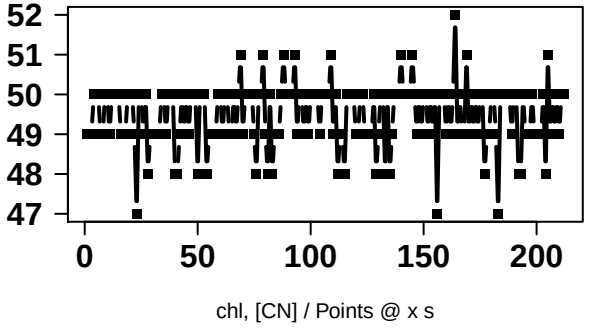

56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

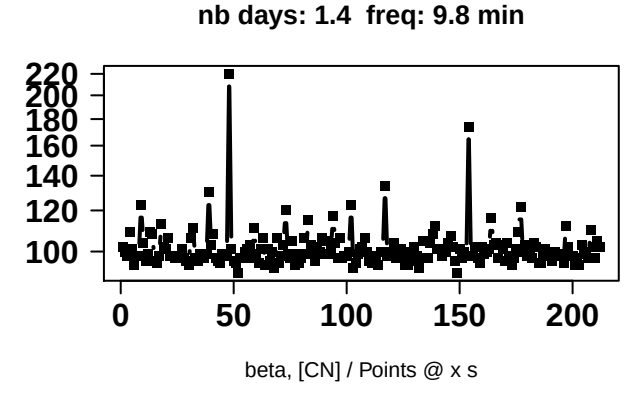

nb days: 1.4 freq: 9.4 min
400
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

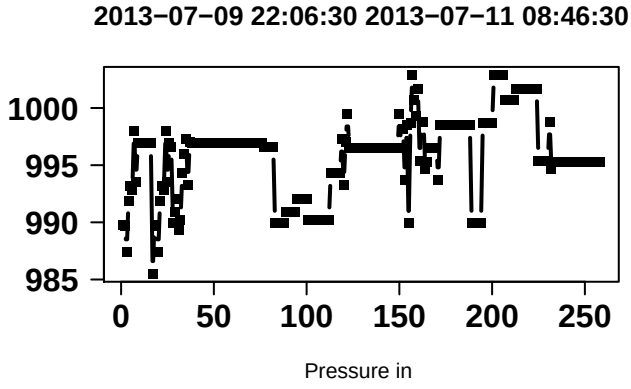

2013−07−07 23:44:42 2013−07−09 10:24:42
1030
1025
1020
1015
0
50
100
150
200
250
Pressure in

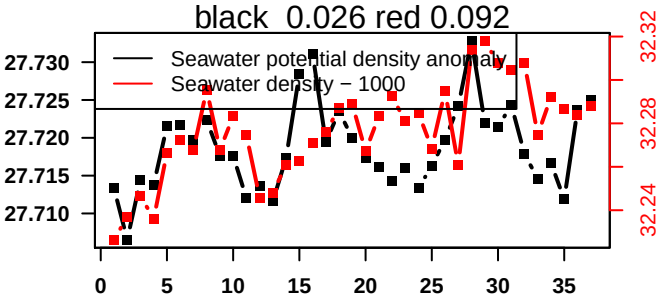

black 0.017 red 0.096
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
32.46
32.42
32.38
0
5
10
15
20
25
30
35

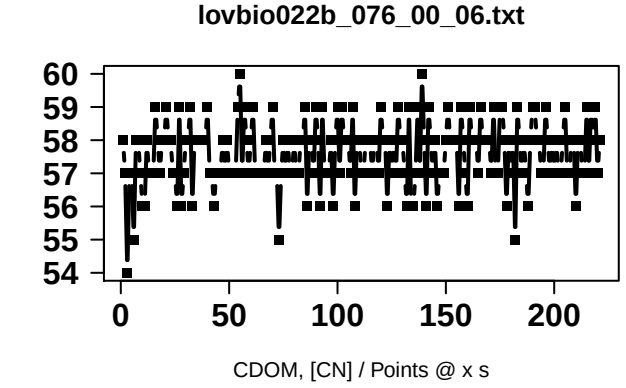

lovbio022b_075_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

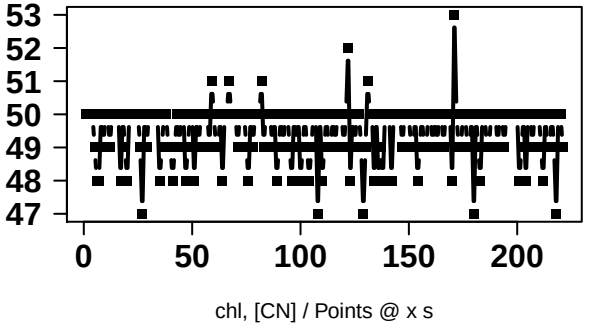

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

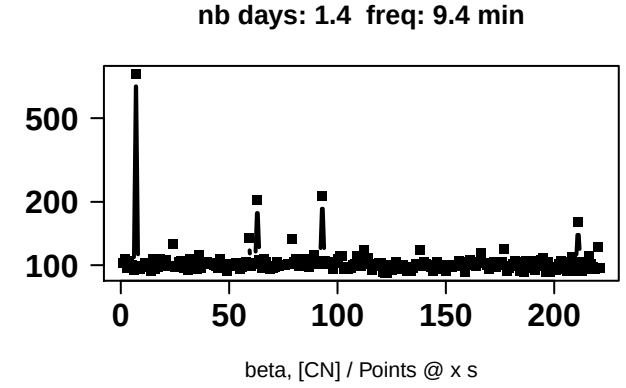

nb days: 1.4 freq: 9.8 min
220
200
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

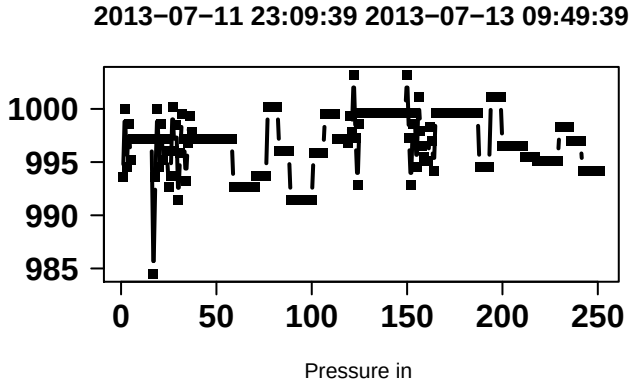

2013−07−09 22:06:30 2013−07−11 08:46:30
1000
995
990
985
0
50
100
150
200
250
Pressure in

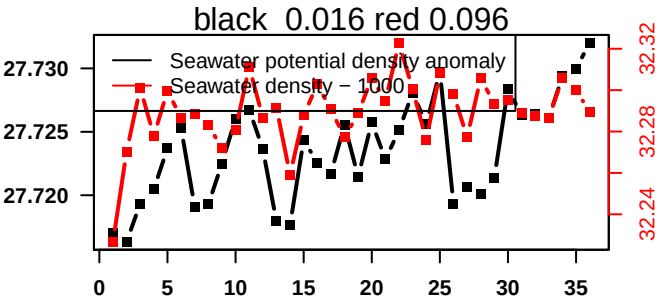

black 0.026 red 0.092
Seawater potential density anomaly
Seawater density − 1000
27.730
27.725
27.720
27.715
27.710
32.32
32.28
32.24
0
5
10
15
20
25
30
35

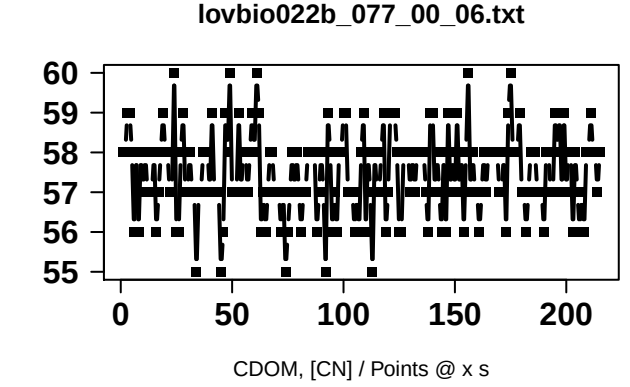

lovbio022b_076_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

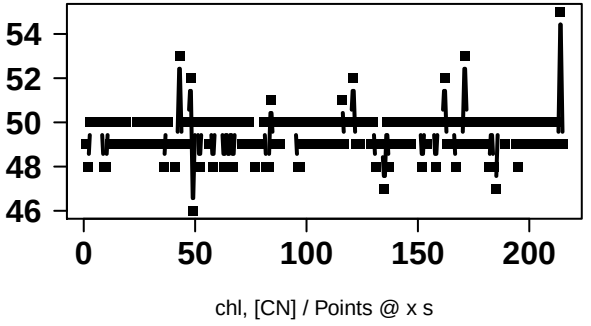

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

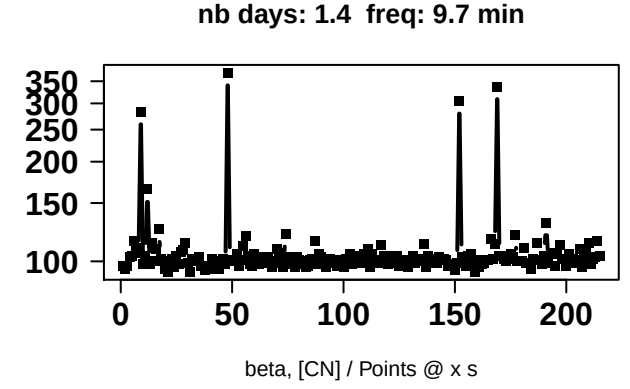

nb days: 1.4 freq: 9.4 min
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

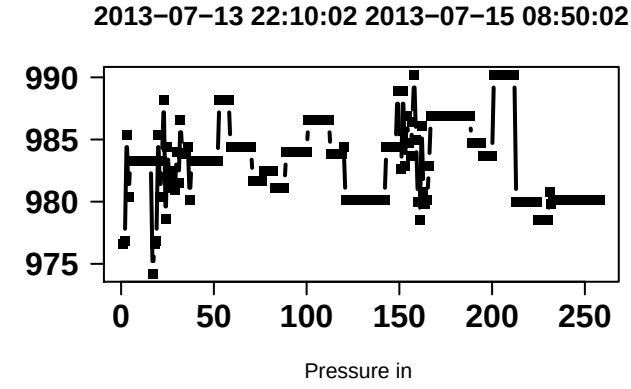

2013−07−11 23:09:39 2013−07−13 09:49:39
1000
995
990
985
0
50
100
150
200
250
Pressure in

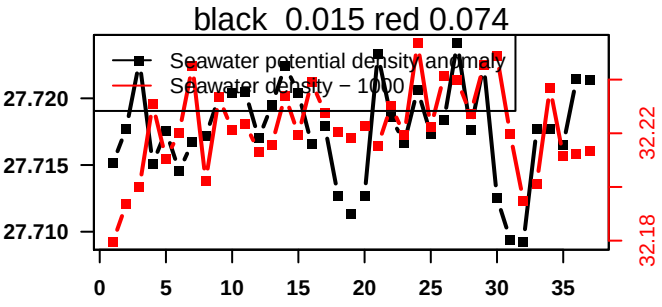

black 0.016 red 0.096
Seawater potential density anomaly
Seawater density − 1000
27.730
27.725
27.720
32.32
32.28
32.24
0
5
10
15
20
25
30
35

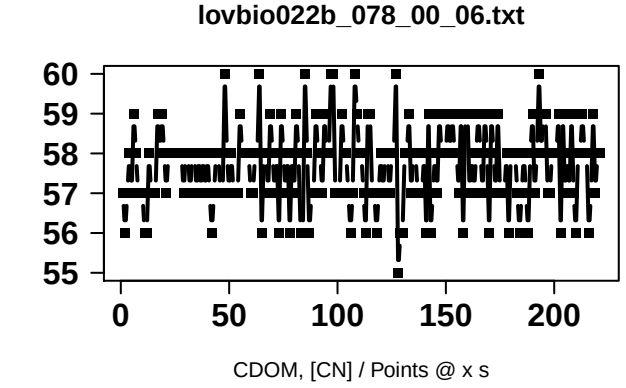

lovbio022b_077_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

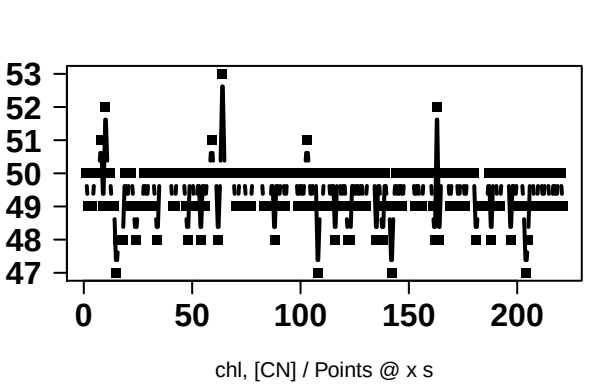

54
52
50
48
46
0
50
100
150
200
chl, [CN] / Points @ x s

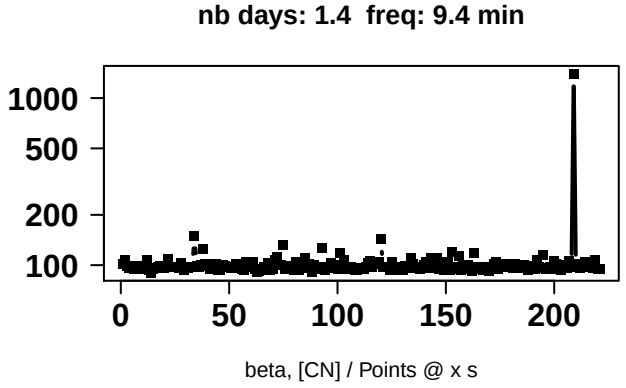

nb days: 1.4 freq: 9.7 min
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

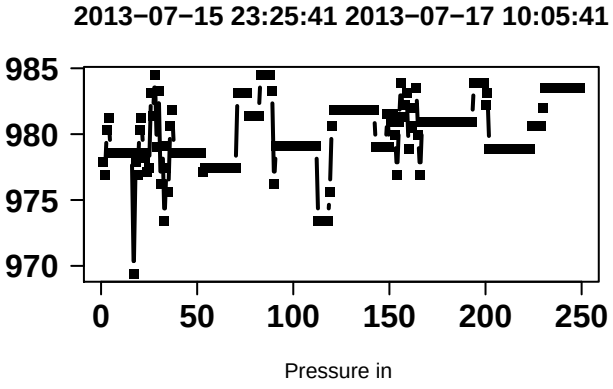

2013−07−13 22:10:02 2013−07−15 08:50:02
990
985
980
975
0
50
100
150
200
250
Pressure in

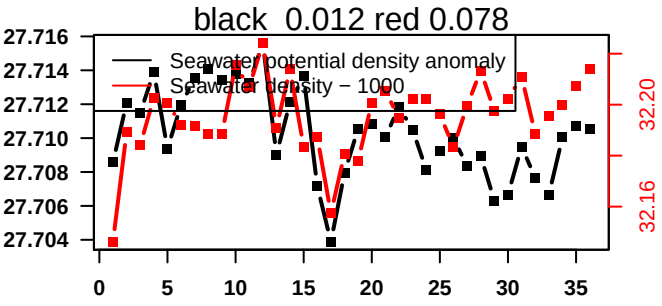

black 0.015 red 0.074
Seawater potential density anomaly
Seawater density − 1000
27.720
27.715
27.710
0
5
10
15
20
25
30
35
32.22
32.18

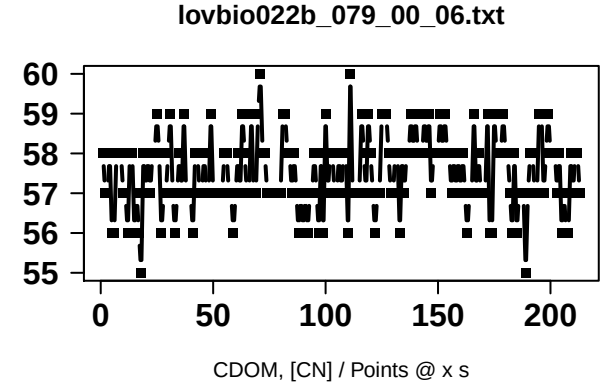

lovbio022b_078_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

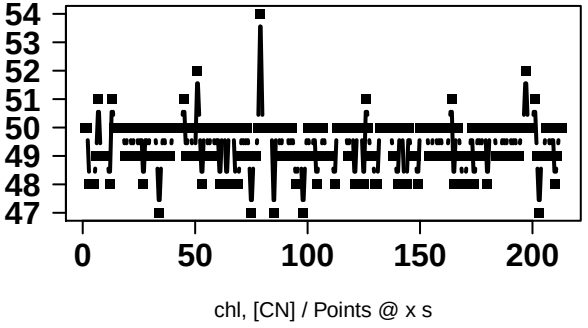

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

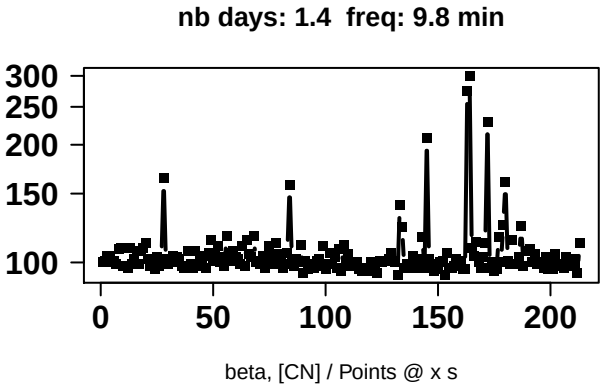

nb days: 1.4 freq: 9.4 min
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

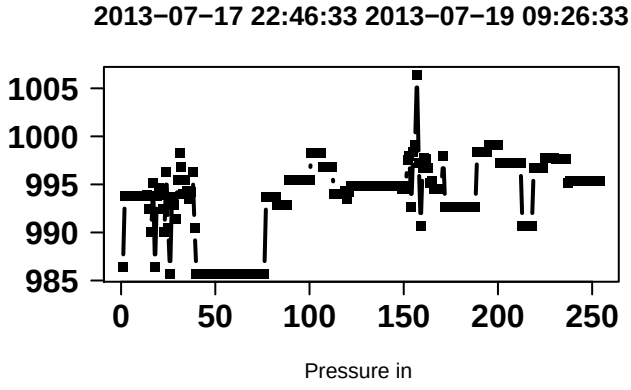

2013−07−15 23:25:41 2013−07−17 10:05:41
985
980
975
970
0
50
100
150
200
250
Pressure in

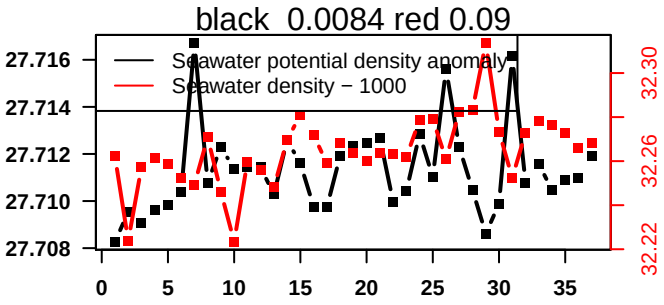

black 0.012 red 0.078
27.716
27.714
27.712
27.710
27.708
27.706
27.704
Seawater potential density anomaly
Seawater density − 1000
32.20
32.16
0
5
10
15
20
25
30
35

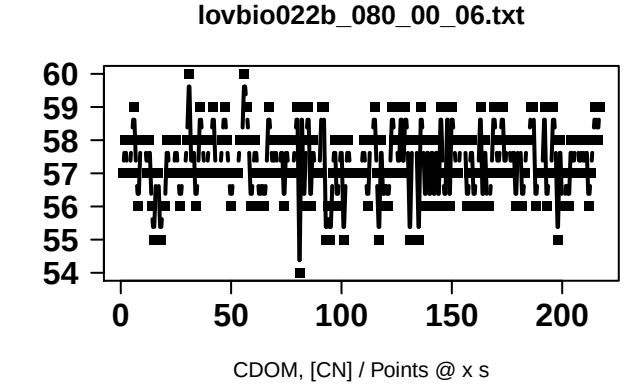

lovbio022b_079_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

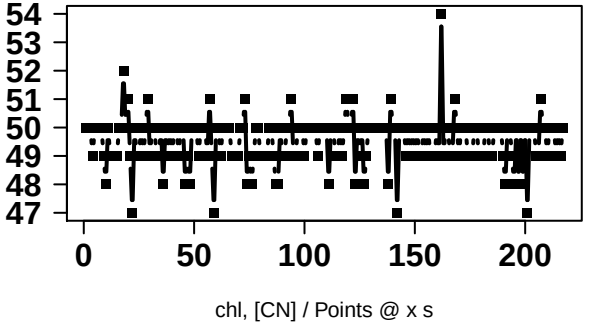

54
53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

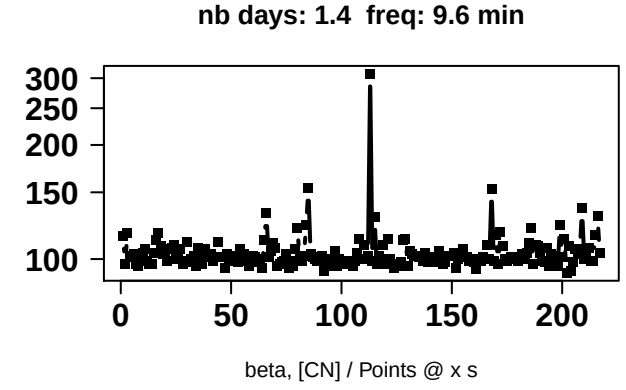

nb days: 1.4 freq: 9.8 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

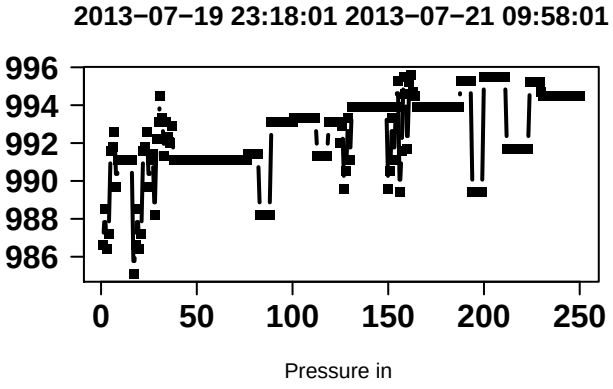

2013−07−17 22:46:33 2013−07−19 09:26:33
1005
1000
995
990
985
0
50
100
150
200
250
Pressure in

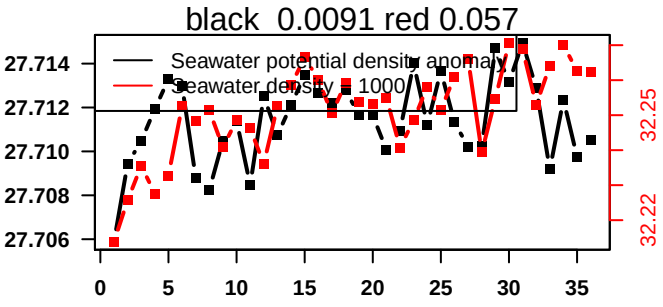

black 0.0084 red 0.09
Seawater potential density anomaly
Seawater density − 1000
27.716
27.714
27.712
27.710
27.708
32.30
32.26
32.22
0
5
10
15
20
25
30
35

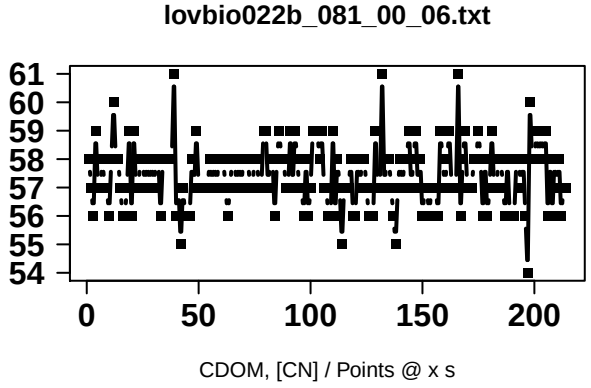

lovbio022b_080_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

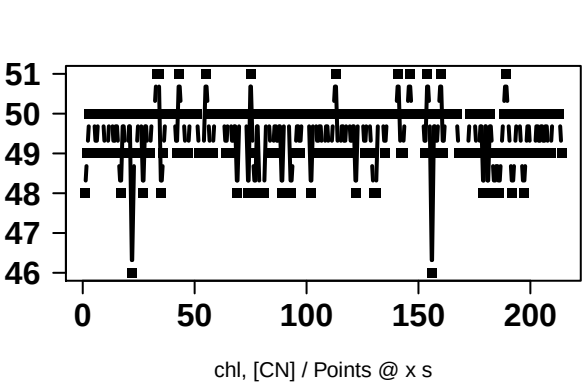

54
53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

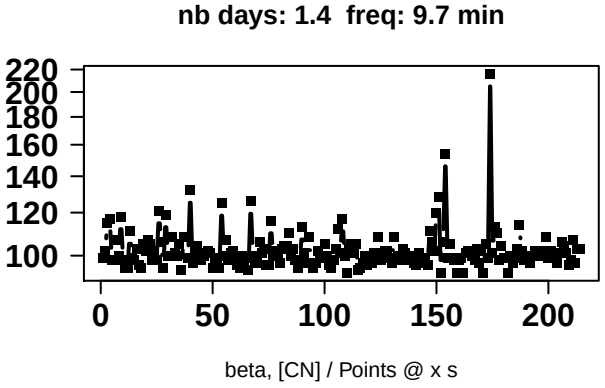

nb days: 1.4 freq: 9.6 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

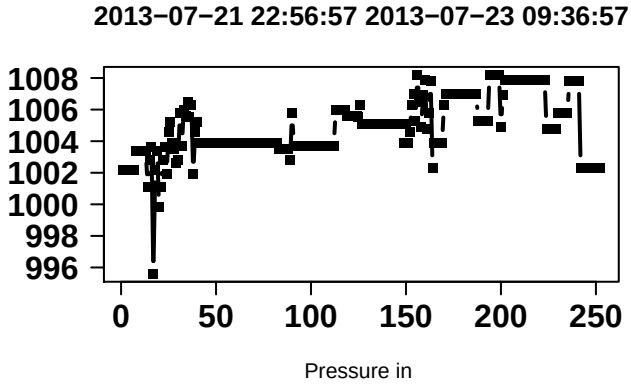

2013−07−19 23:18:01 2013−07−21 09:58:01
996
994
992
990
988
986
0
50
100
150
200
250
Pressure in

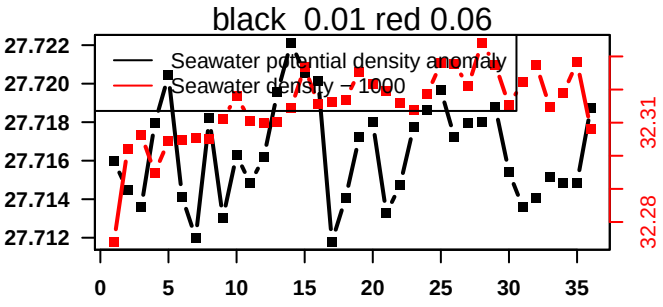

black 0.0091 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.714
27.712
27.710
27.708
27.706
32.25
32.22
0
5
10
15
20
25
30
35

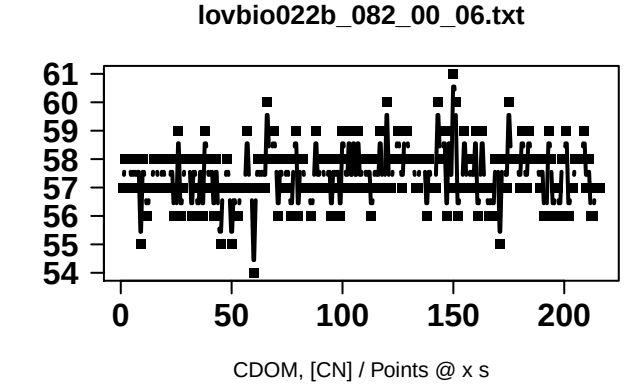

lovbio022b_081_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

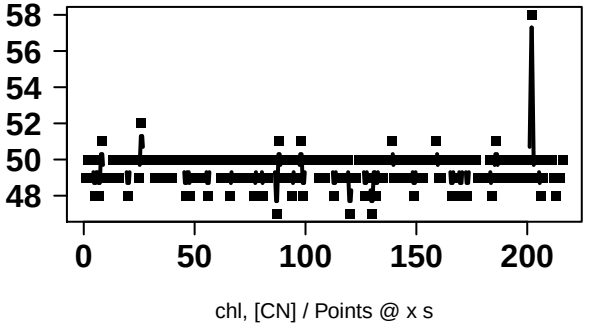

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

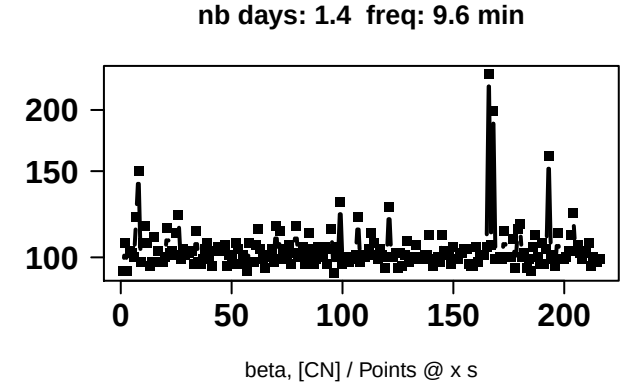

nb days: 1.4 freq: 9.7 min
220
200
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

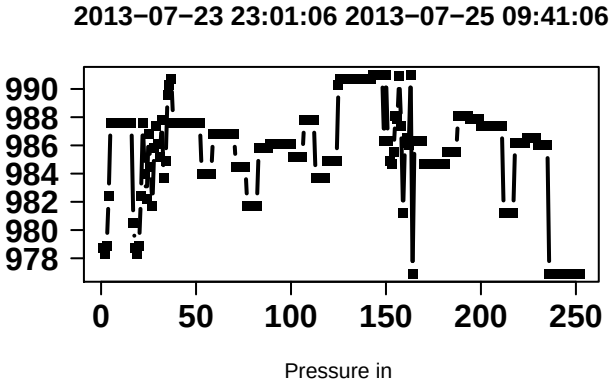

2013−07−21 22:56:57 2013−07−23 09:36:57
1008
1006
1004
1002
1000
998
996
0
50
100
150
200
250
Pressure in

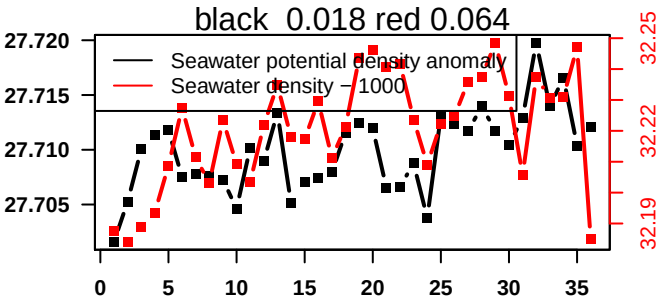

black 0.01 red 0.06
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
27.712
32.31
32.28
0
5
10
15
20
25
30
35

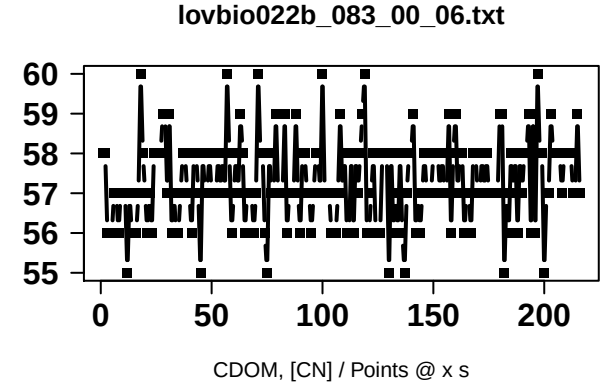

lovbio022b_082_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

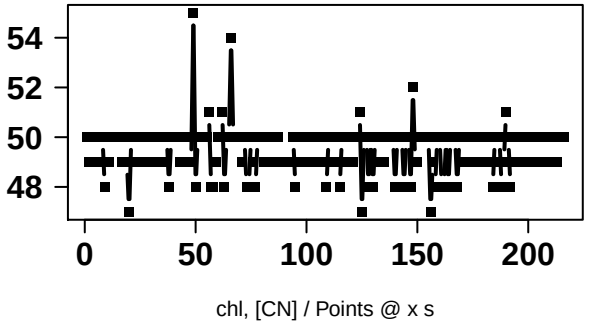

58
56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

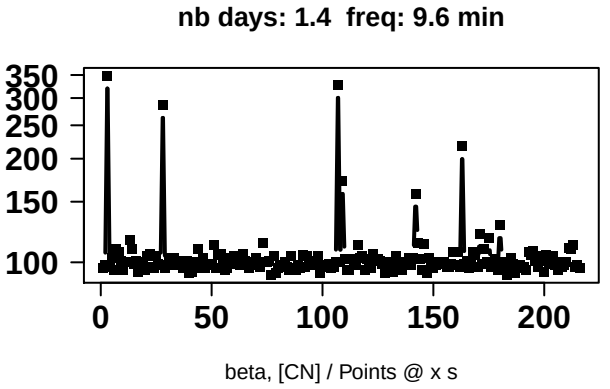

nb days: 1.4 freq: 9.6 min
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

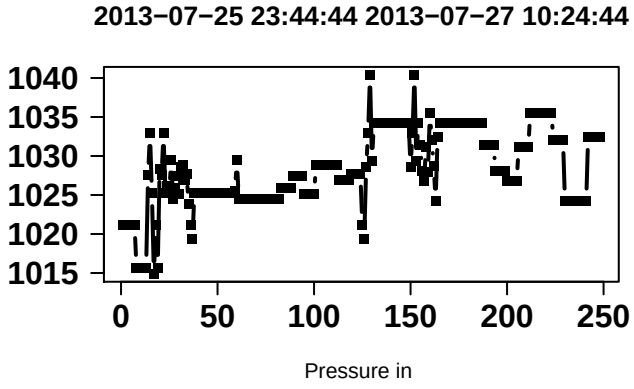

2013−07−23 23:01:06 2013−07−25 09:41:06
990
988
986
984
982
980
978
0
50
100
150
200
250
Pressure in

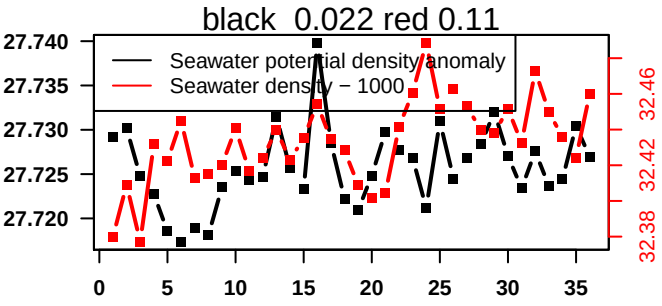

black 0.018 red 0.064
Seawater potential density anomaly
Seawater density − 1000
27.720
27.715
27.710
27.705
32.25
32.22
32.19
0
5
10
15
20
25
30
35

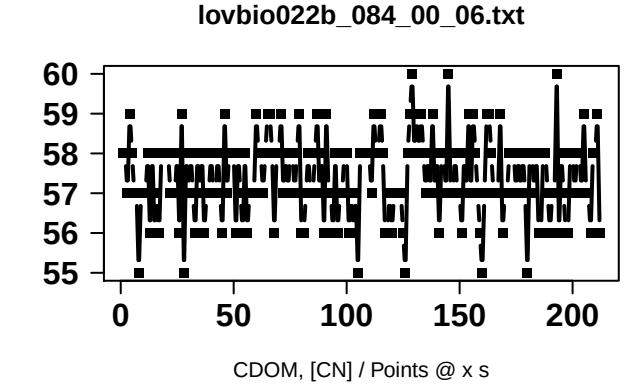

lovbio022b_083_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

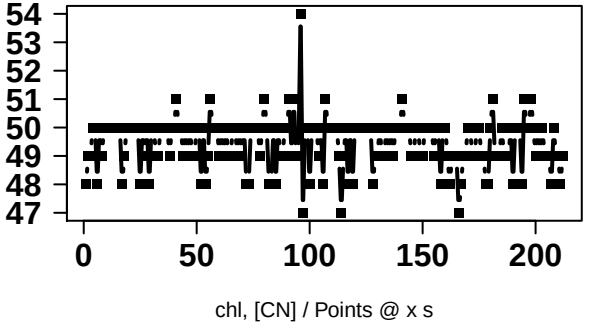

54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

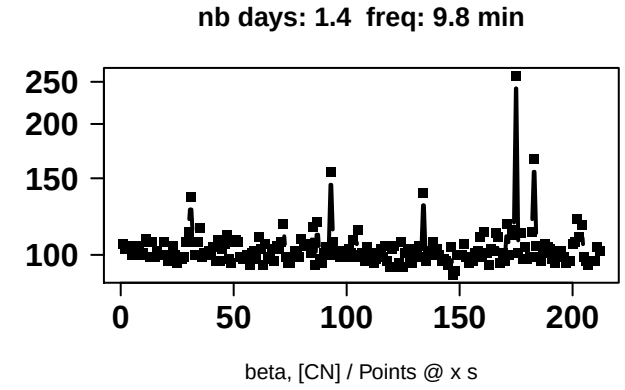

nb days: 1.4 freq: 9.6 min
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

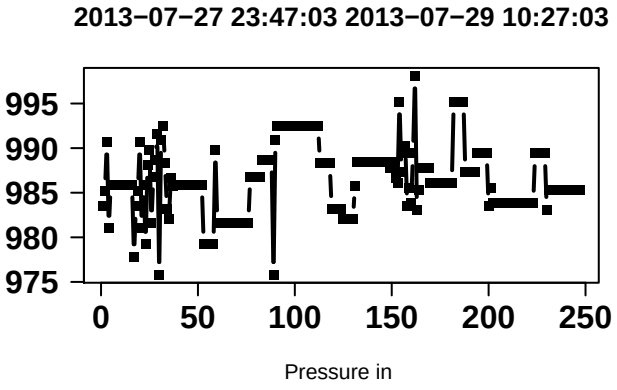

2013−07−25 23:44:44 2013−07−27 10:24:44
1040
1035
1030
1025
1020
1015
0
50
100
150
200
250
Pressure in

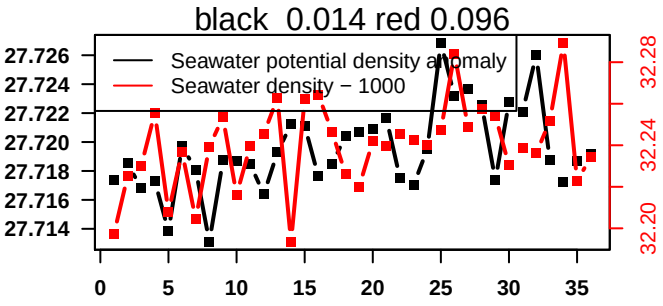

black 0.022 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.740
27.735
27.730
27.725
27.720
0
5
10
15
20
25
30
35
32.46
32.42
32.38

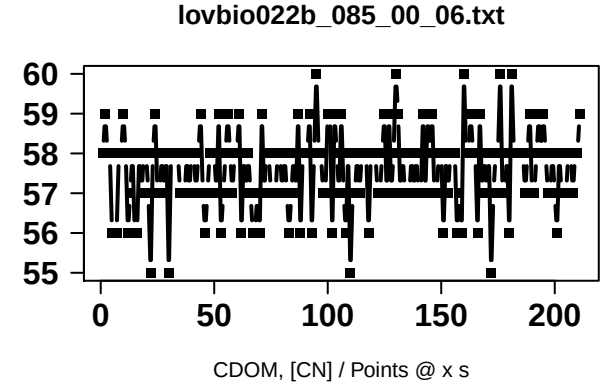

lovbio022b_084_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

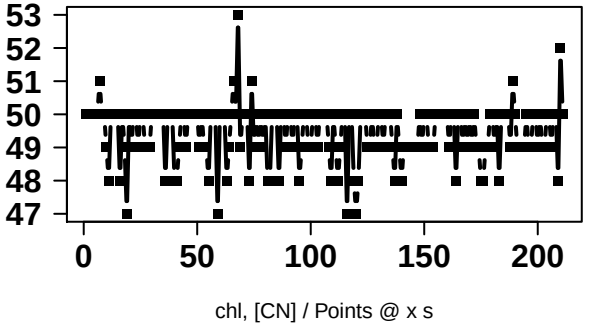

54
53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

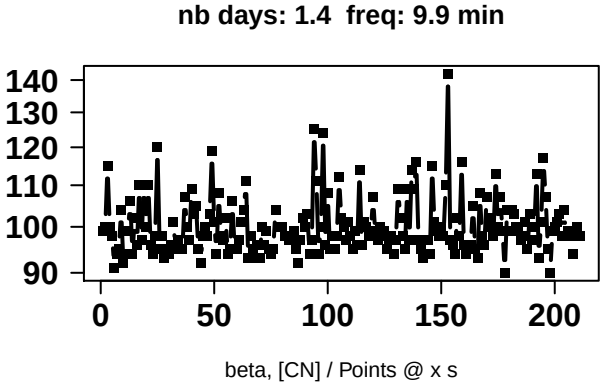

nb days: 1.4 freq: 9.8 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

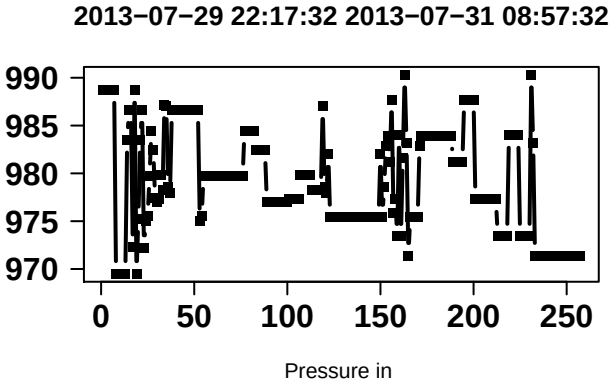

2013−07−27 23:47:03 2013−07−29 10:27:03
995
990
985
980
975
0
50
100
150
200
250
Pressure in

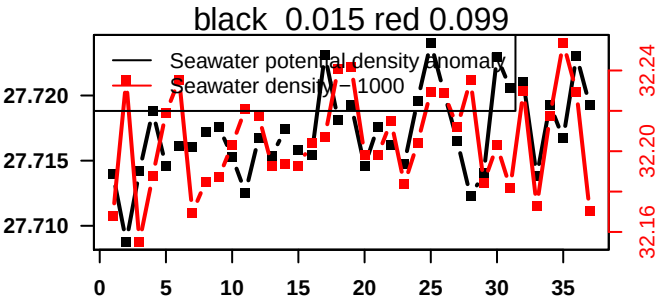

black 0.014 red 0.096
Seawater potential density anomaly
Seawater density − 1000
27.726
27.724
27.722
27.720
27.718
27.716
27.714
32.28
32.24
32.20
0
5
10
15
20
25
30
35

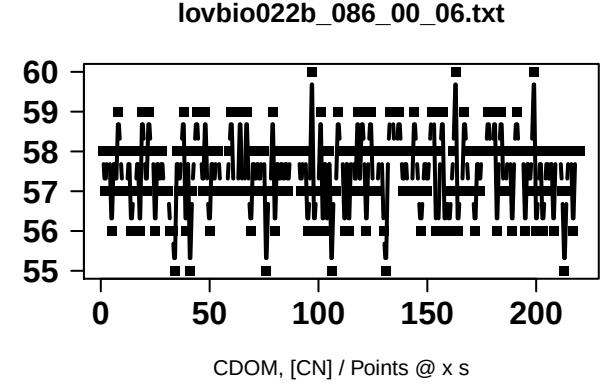

lovbio022b_085_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

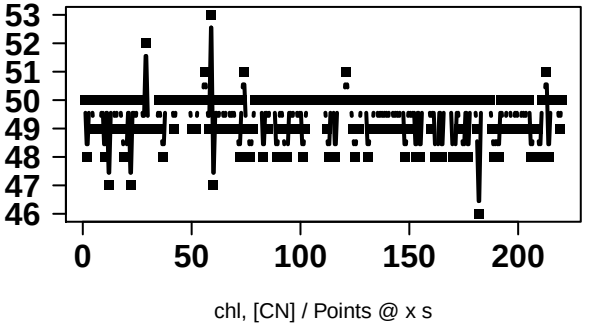

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

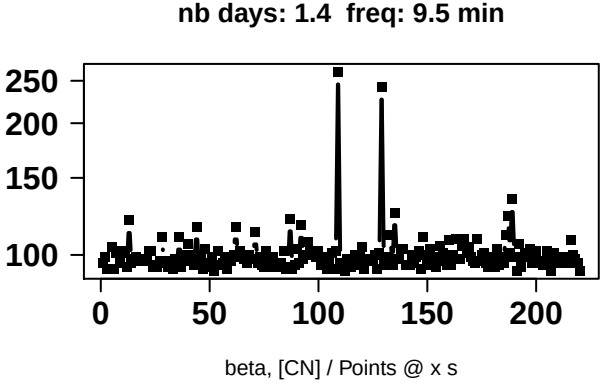

nb days: 1.4 freq: 9.9 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

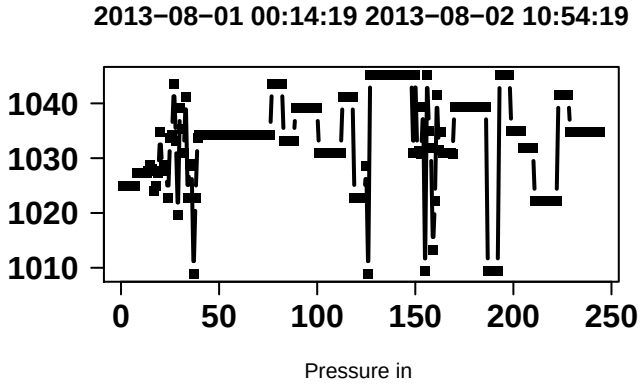

2013−07−29 22:17:32 2013−07−31 08:57:32
990
985
980
975
970
0
50
100
150
200
250
Pressure in

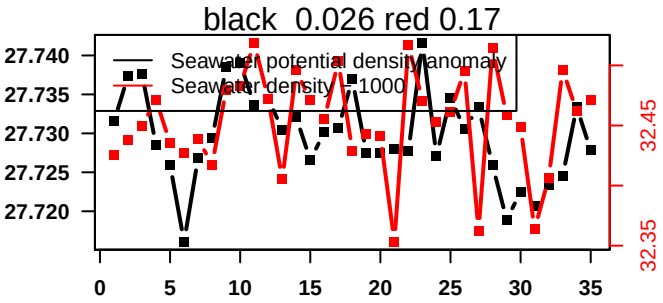

black 0.015 red 0.099
Seawater potential density anomaly
Seawater density −1000
27.720
27.715
27.710
0
5
10
15
20
25
30
35
32.24
32.20
32.16

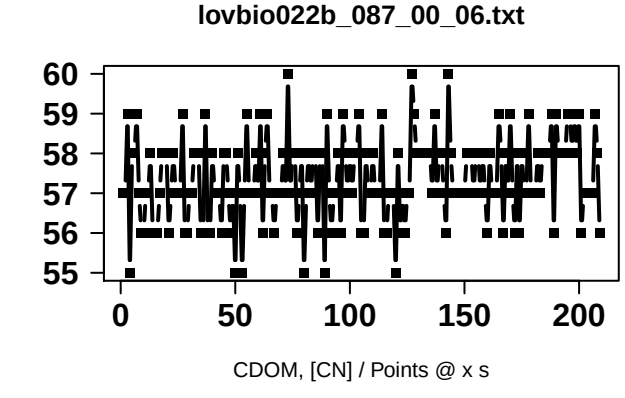

lovbio022b_086_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

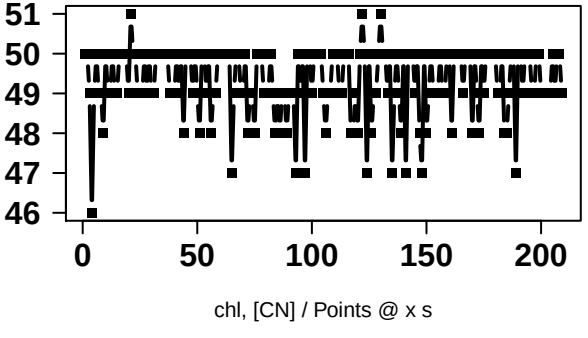

53
52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

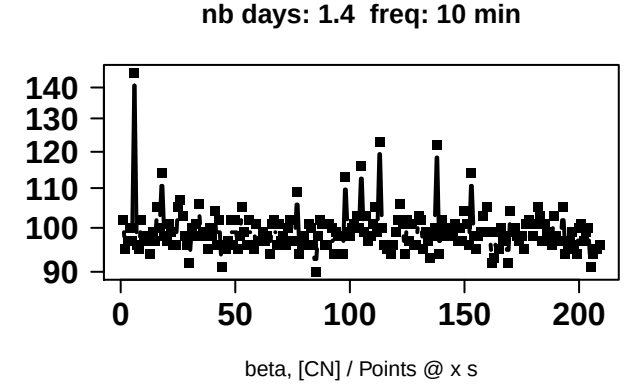

nb days: 1.4 freq: 9.5 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

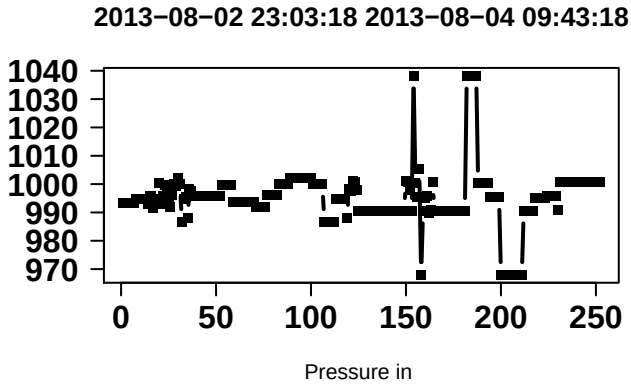

2013−08−01 00:14:19 2013−08−02 10:54:19
1040
1030
1020
1010
0
50
100
150
200
250
Pressure in

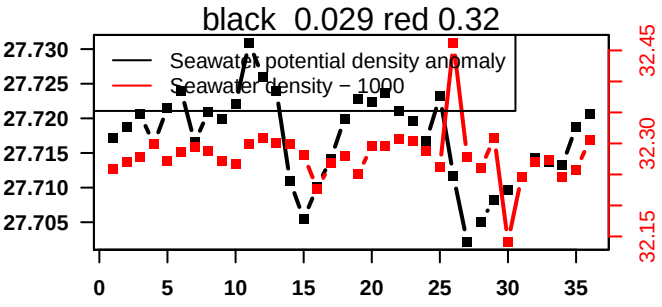

black 0.026 red 0.17
Seawater potential density anomaly
Seawater density − 1000
27.740
27.735
27.730
27.725
27.720
32.45
32.35
0
5
10
15
20
25
30
35

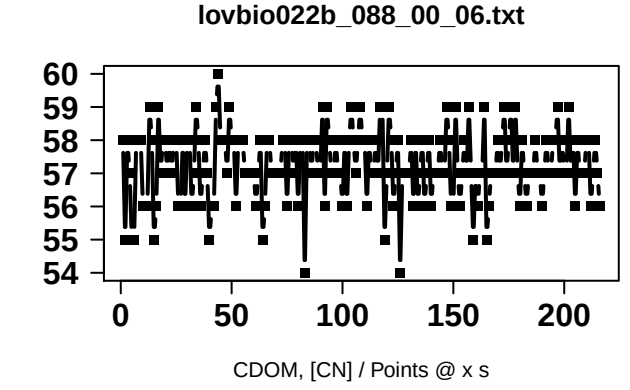

lovbio022b_087_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

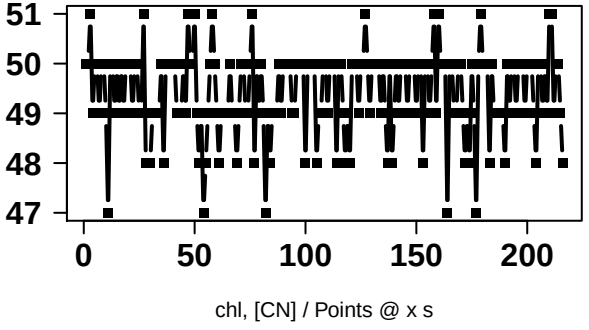

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

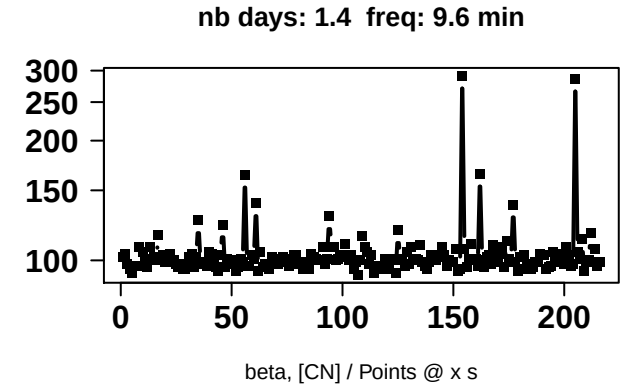

nb days: 1.4 freq: 10 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

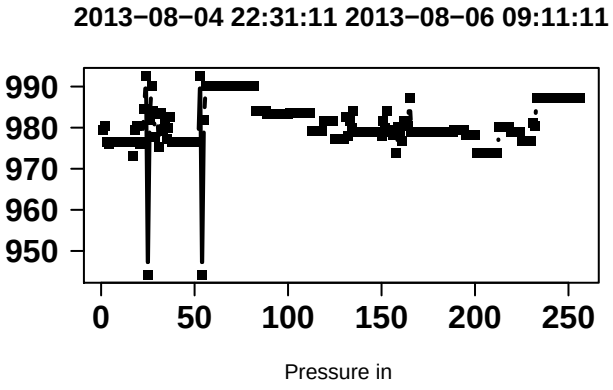

2013−08−02 23:03:18 2013−08−04 09:43:18
1040
1030
1020
1010
1000
990
980
970
0
50
100
150
200
250
Pressure in

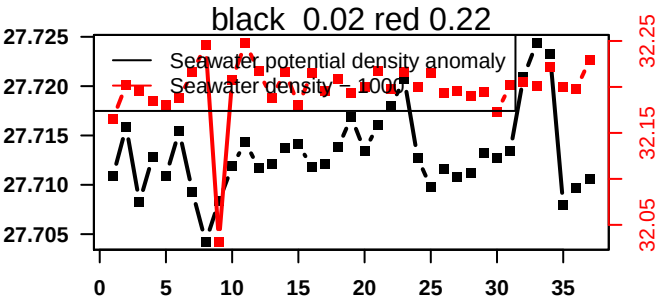

black 0.029 red 0.32
Seawater potential density anomaly
Seawater density − 1000
27.730
27.725
27.720
27.715
27.710
27.705
32.45
32.30
32.15
0
5
10
15
20
25
30
35

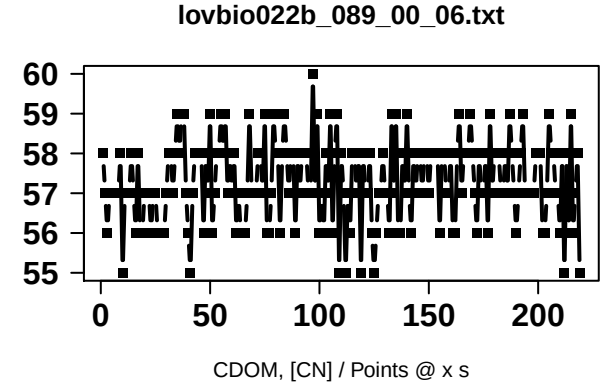

lovbio022b_088_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

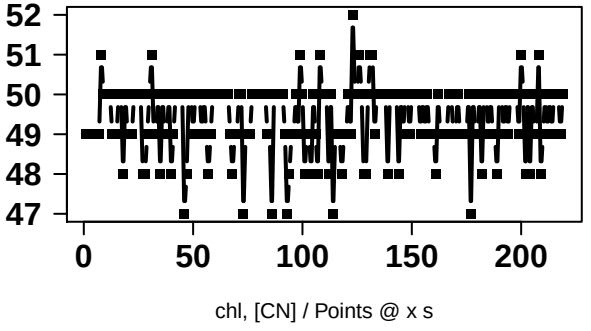

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

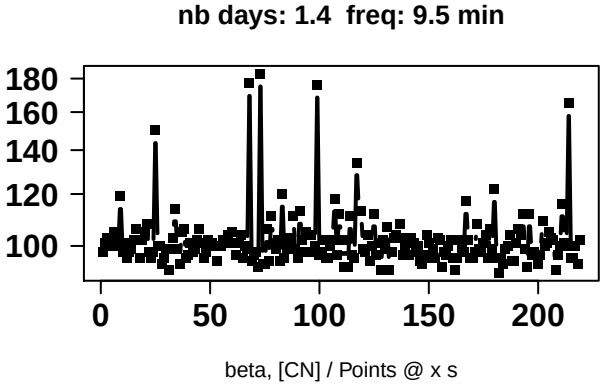

nb days: 1.4 freq: 9.6 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

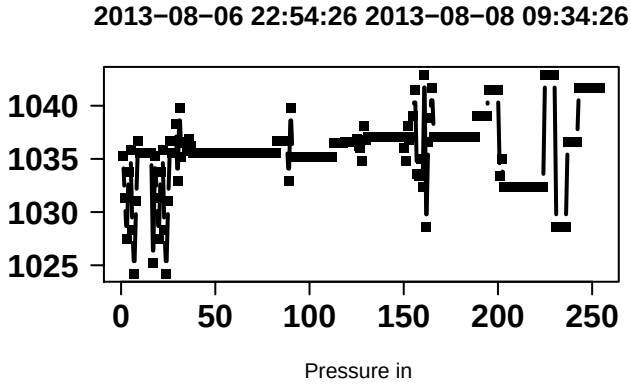

2013−08−04 22:31:11 2013−08−06 09:11:11
990
980
970
960
950
0
50
100
150
200
250
Pressure in

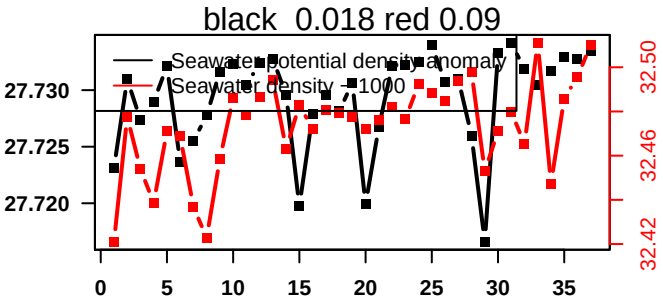

black 0.02 red 0.22
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
27.710
27.705
32.25
32.15
32.05
0
5
10
15
20
25
30
35

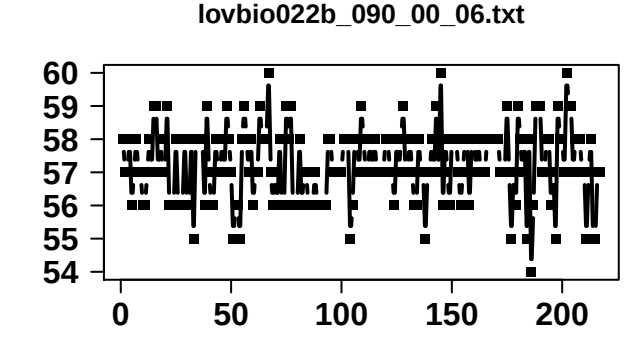

lovbio022b_089_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

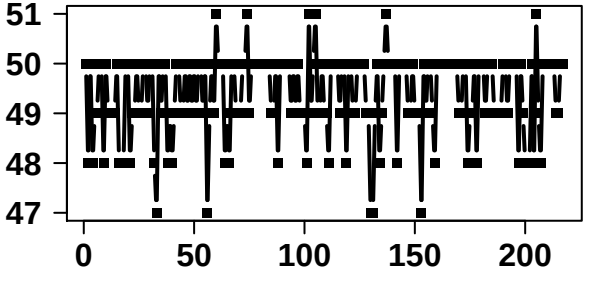

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

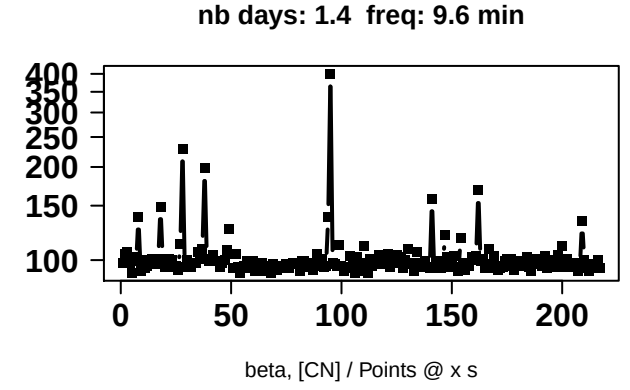

nb days: 1.4 freq: 9.5 min
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

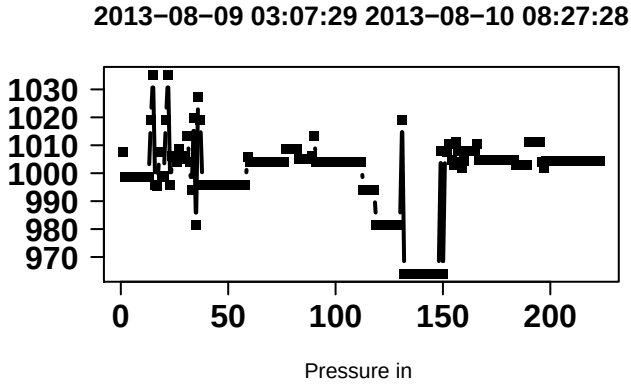

2013−08−06 22:54:26 2013−08−08 09:34:26
1040
1035
1030
1025
0
50
100
150
200
250
Pressure in

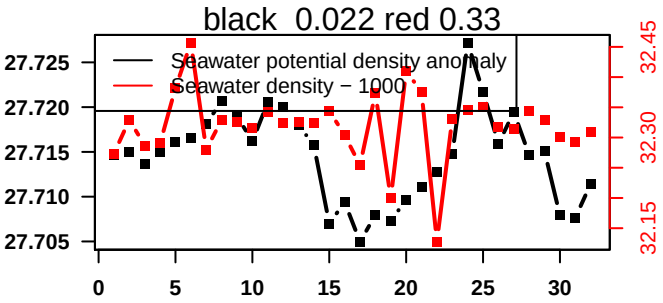

black 0.018 red 0.09
Seawater potential density anomaly
Seawater density −1000
27.730
27.725
27.720
0
5
10
15
20
25
30
35
32.50
32.46
32.42

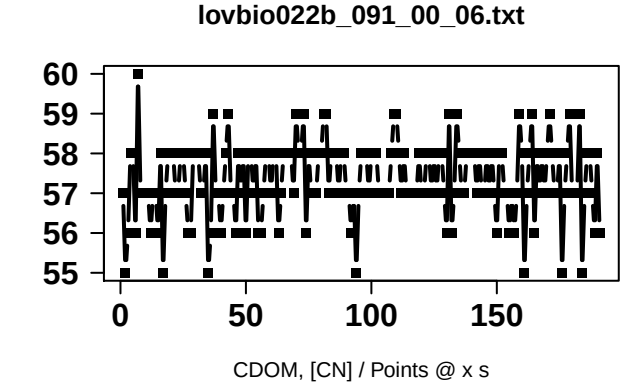

lovbio022b_090_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

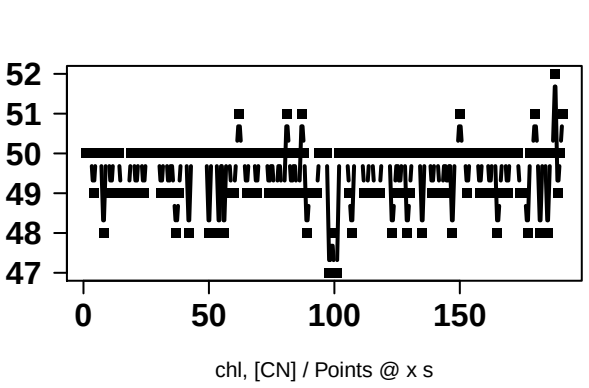

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

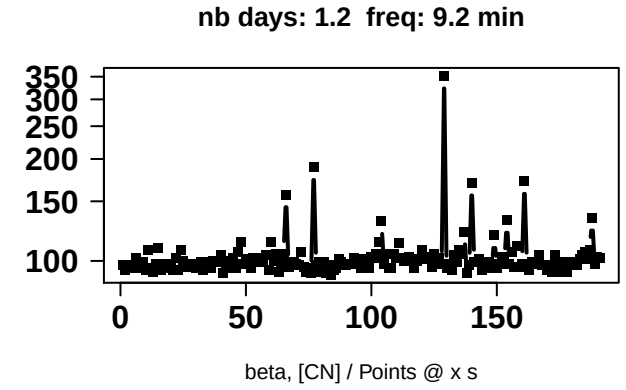

nb days: 1.4 freq: 9.6 min
400
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

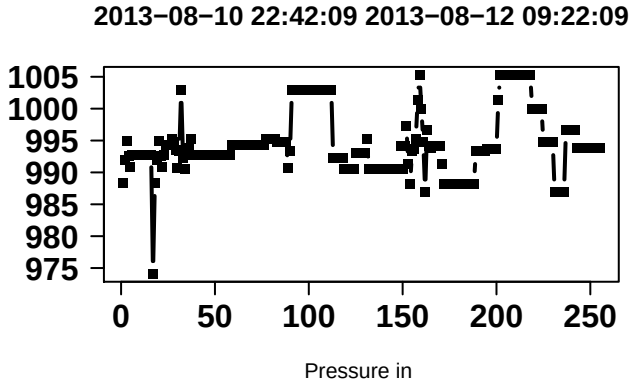

2013−08−09 03:07:29 2013−08−10 08:27:28
1030
1020
1010
1000
990
980
970
0
50
100
150
200
Pressure in

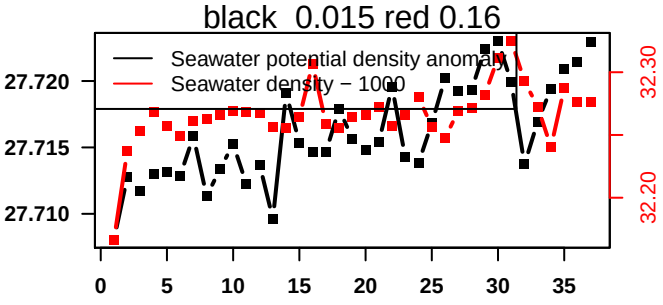

black 0.022 red 0.33
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
27.710
27.705
32.45
32.30
32.15
0
5
10
15
20
25
30

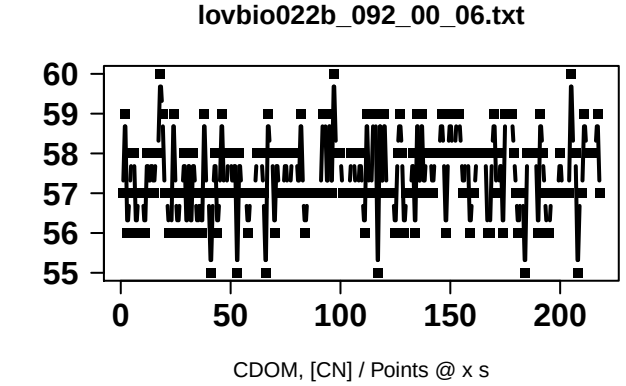

lovbio022b_091_00_06.txt
60
59
58
57
56
55
0
50
100
150
CDOM, [CN] / Points @ x s

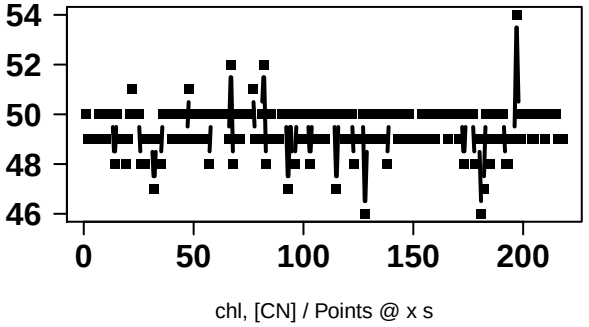

52
51
50
49
48
47
0
50
100
150
chl, [CN] / Points @ x s

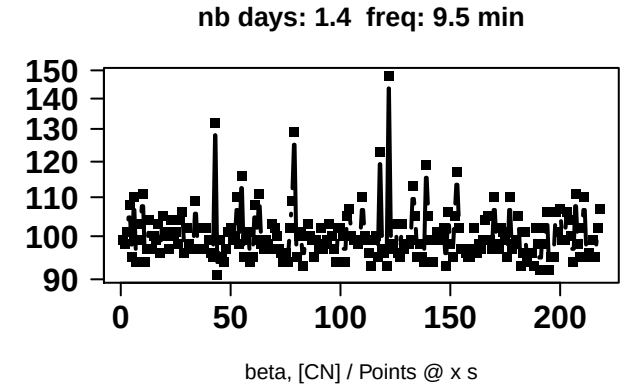

nb days: 1.2 freq: 9.2 min
350
300
250
200
150
100
0
50
100
150
beta, [CN] / Points @ x s

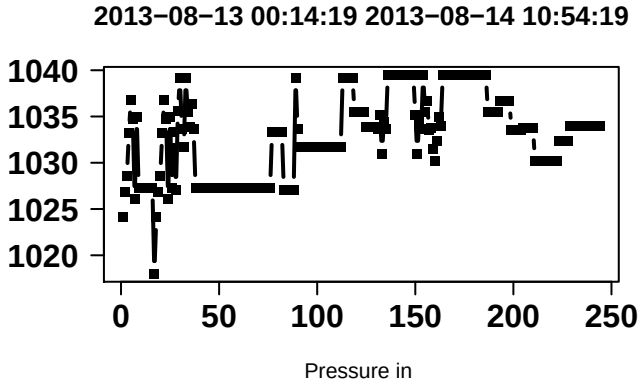

2013−08−10 22:42:09 2013−08−12 09:22:09
1005
1000
995
990
985
980
975
0
50
100
150
200
250
Pressure in

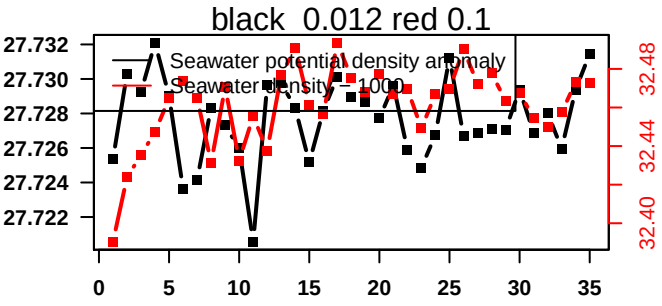

black 0.015 red 0.16
Seawater potential density anomaly
Seawater density − 1000
27.720
27.715
27.710
32.30
32.20
0
5
10
15
20
25
30
35

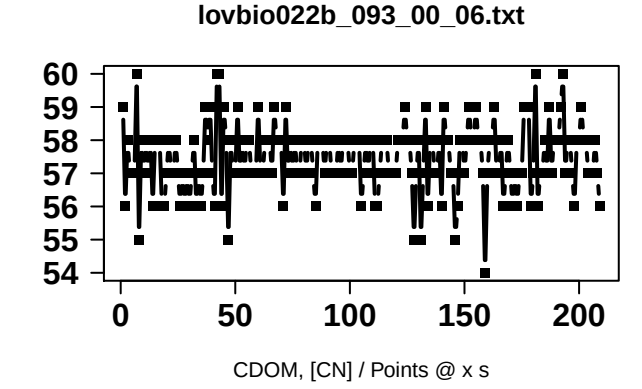

lovbio022b_092_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

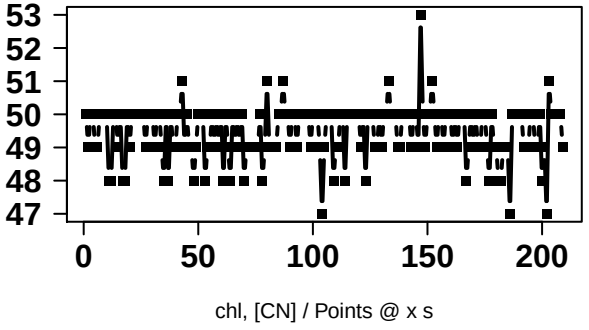

54
52
50
48
46
0
50
100
150
200
chl, [CN] / Points @ x s

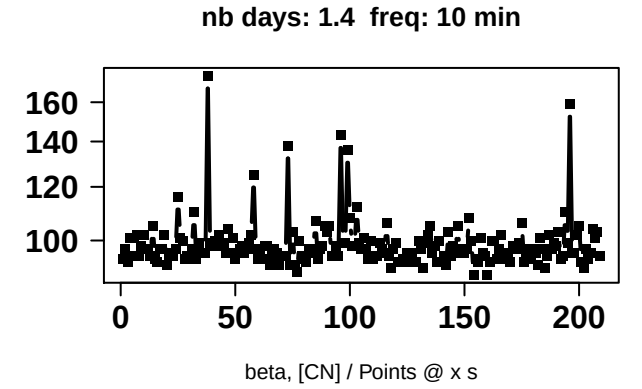

nb days: 1.4 freq: 9.5 min
150
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

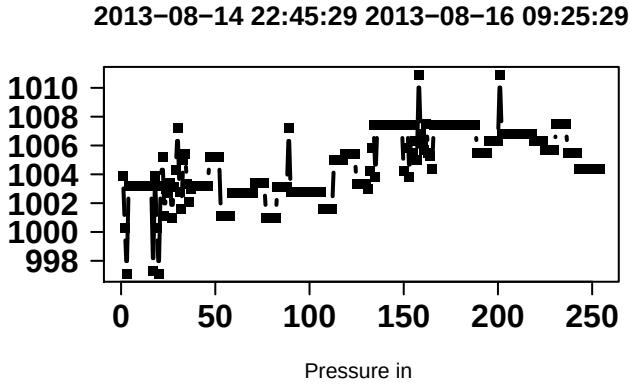

2013−08−13 00:14:19 2013−08−14 10:54:19
1040
1035
1030
1025
1020
0
50
100
150
200
250
Pressure in

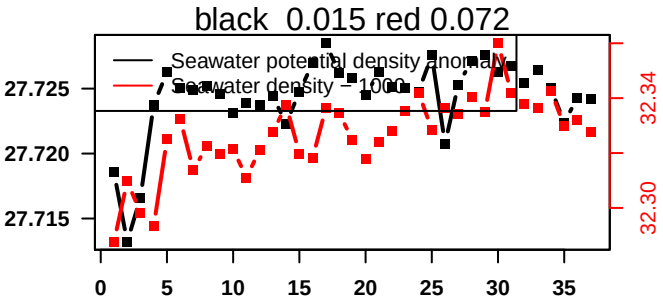

black 0.012 red 0.1
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
32.48
32.44
32.40
0
5
10
15
20
25
30
35

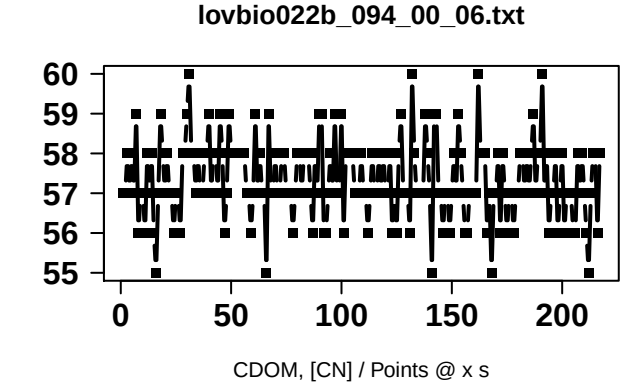

lovbio022b_093_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

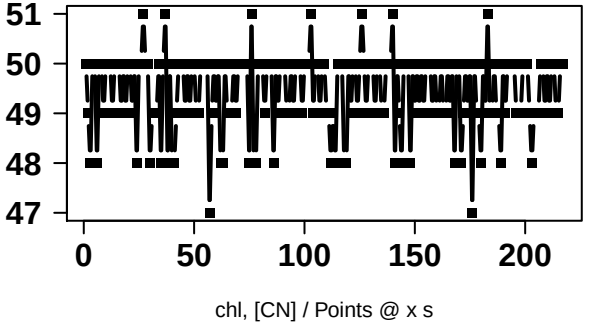

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

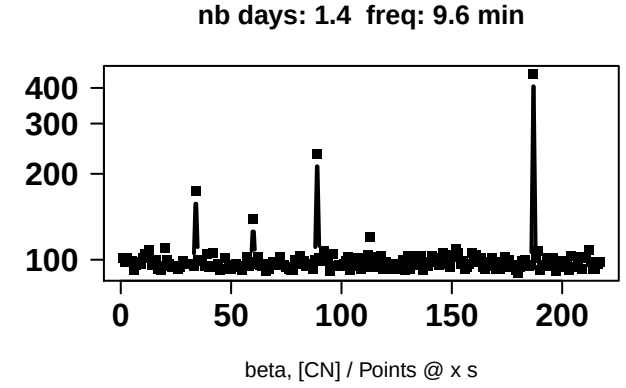

nb days: 1.4 freq: 10 min
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

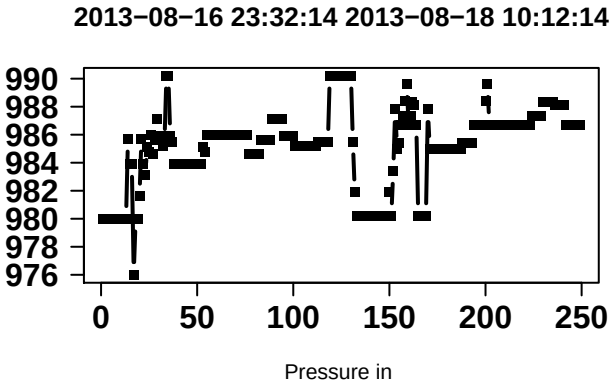

2013−08−14 22:45:29 2013−08−16 09:25:29
1010
1008
1006
1004
1002
1000
998
0
50
100
150
200
250
Pressure in

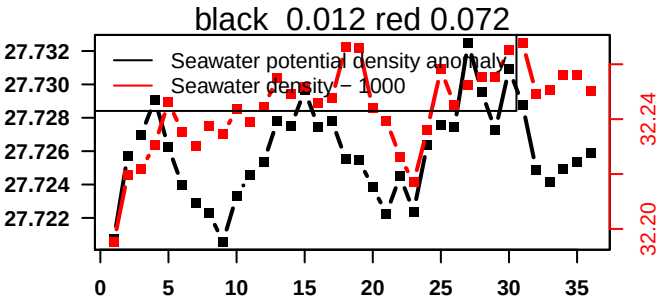

black 0.015 red 0.072
Seawater potential density anomaly
Seawater density − 1000
27.725
27.720
27.715
0
5
10
15
20
25
30
35
32.34
32.30

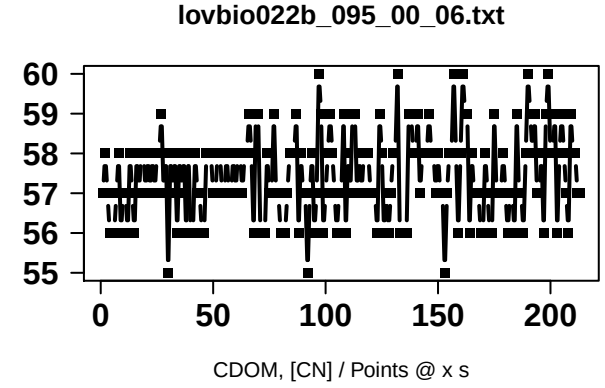

lovbio022b_094_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

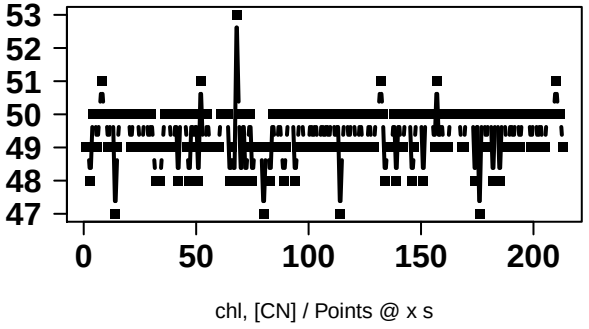

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

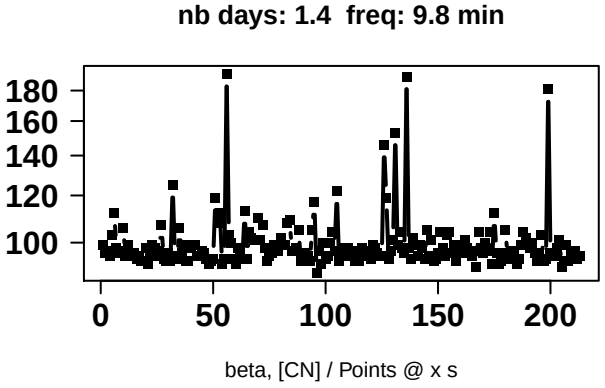

nb days: 1.4 freq: 9.6 min
400
300
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

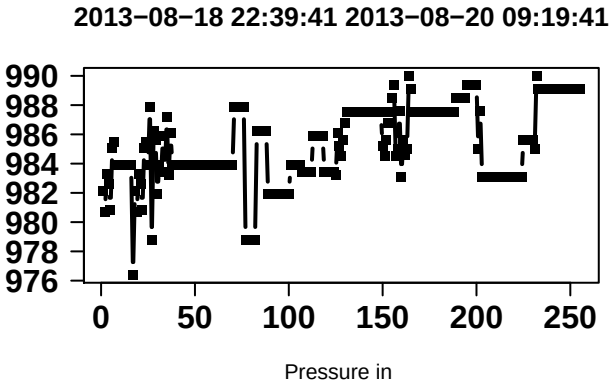

2013−08−16 23:32:14 2013−08−18 10:12:14
990
988
986
984
982
980
978
976
0
50
100
150
200
250
Pressure in

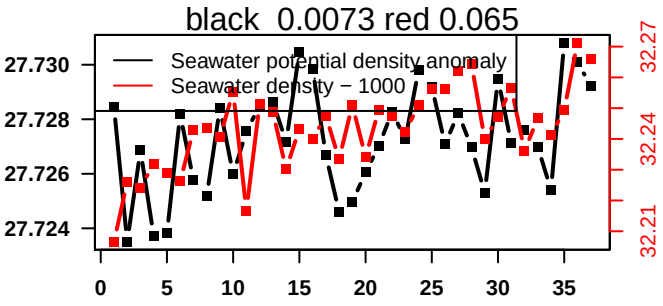

black 0.012 red 0.072
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
32.24
32.20
0
5
10
15
20
25
30
35

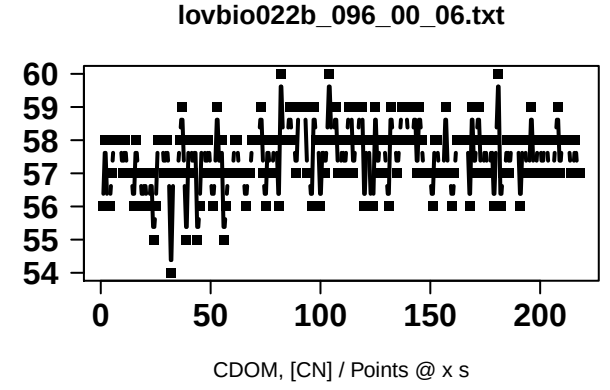

lovbio022b_095_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

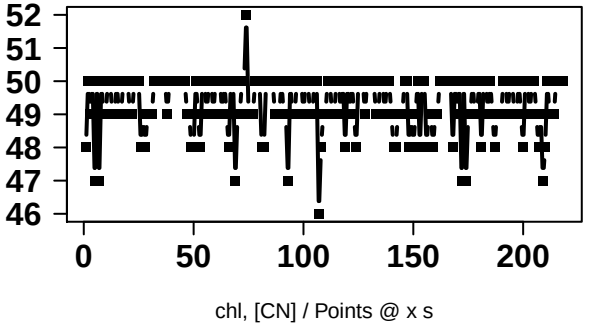

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

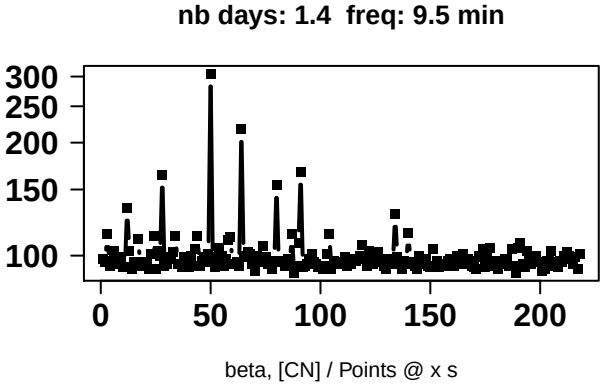

nb days: 1.4 freq: 9.8 min
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

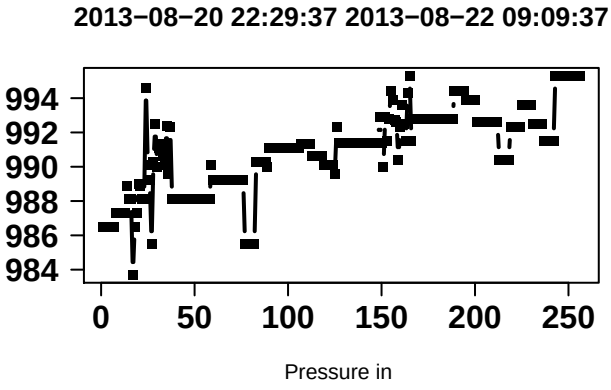

2013−08−18 22:39:41 2013−08−20 09:19:41
990
988
986
984
982
980
978
976
0
50
100
150
200
250
Pressure in

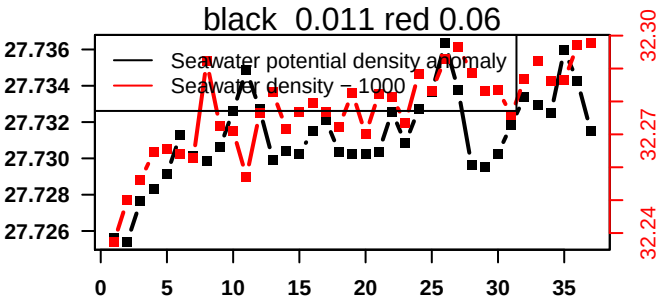

black 0.0073 red 0.065
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
32.27
32.24
32.21
0
5
10
15
20
25
30
35

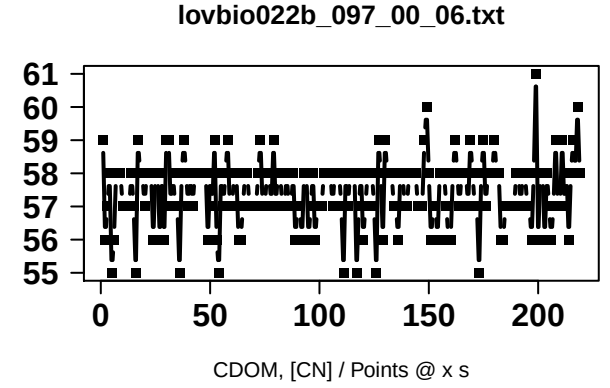

lovbio022b_096_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

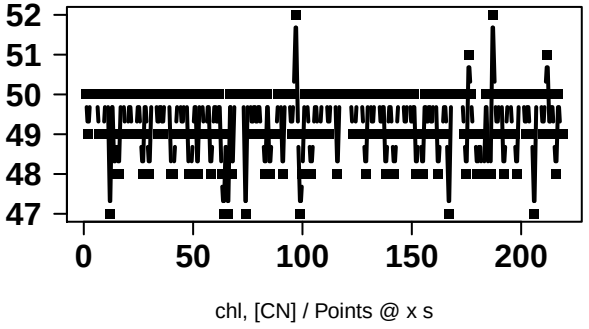

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

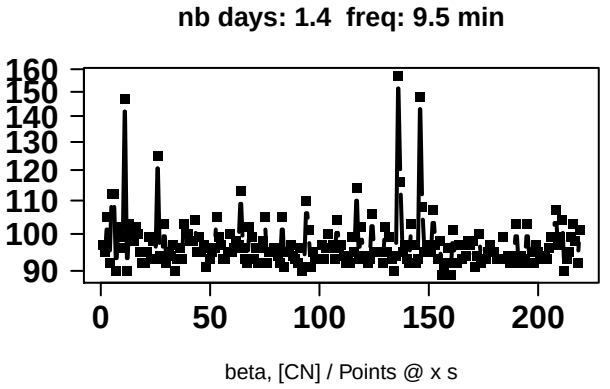

nb days: 1.4 freq: 9.5 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

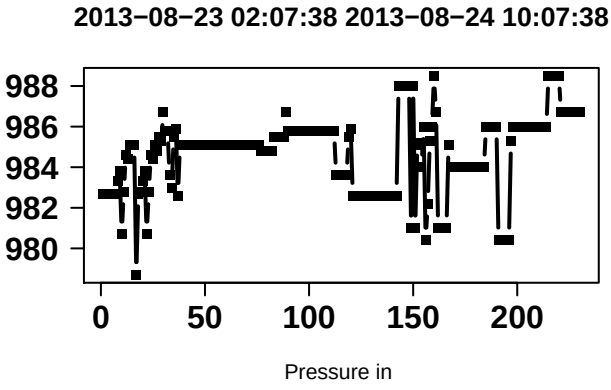

2013−08−20 22:29:37 2013−08−22 09:09:37
994
992
990
988
986
984
0
50
100
150
200
250
Pressure in

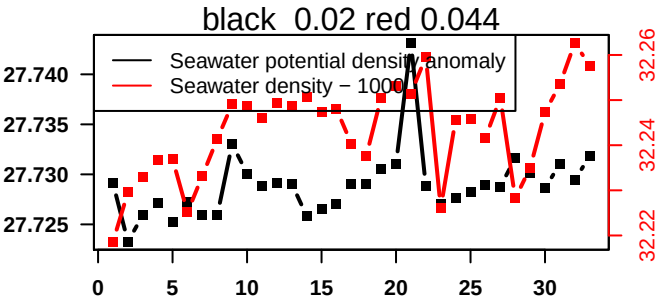

black 0.011 red 0.06
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
27.726
32.30
32.27
32.24
0
5
10
15
20
25
30
35

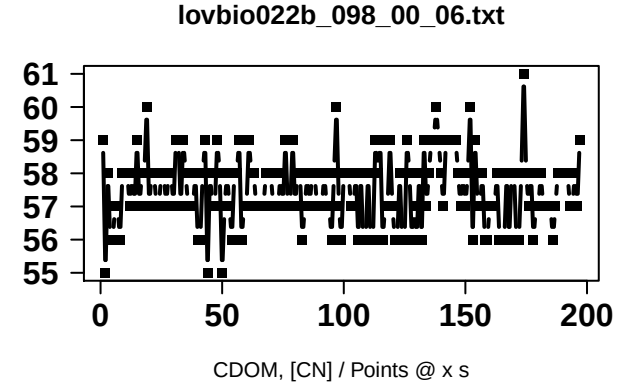

lovbio022b_097_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

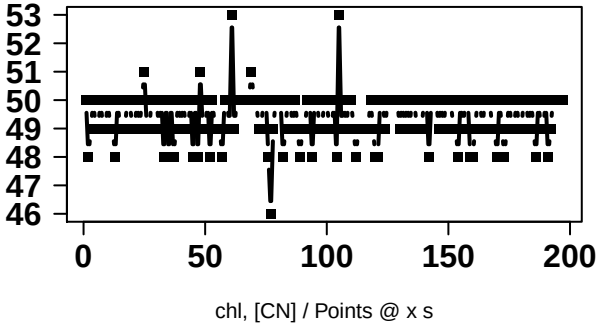

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

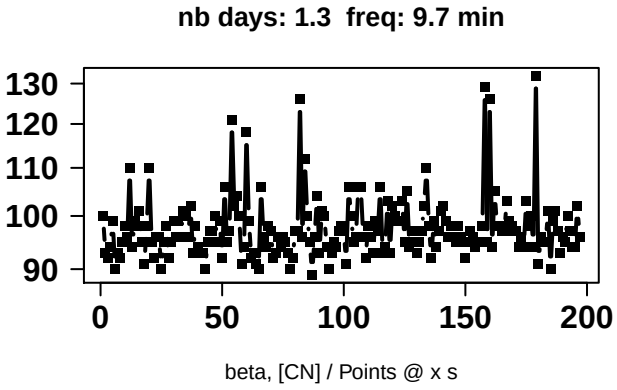

nb days: 1.4 freq: 9.5 min
160
150
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

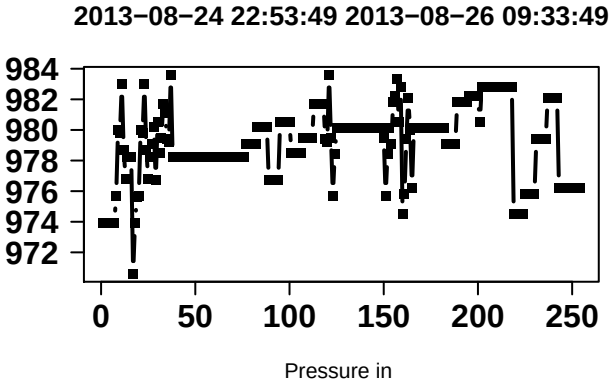

2013−08−23 02:07:38 2013−08−24 10:07:38
988
986
984
982
980
0
50
100
150
200
Pressure in

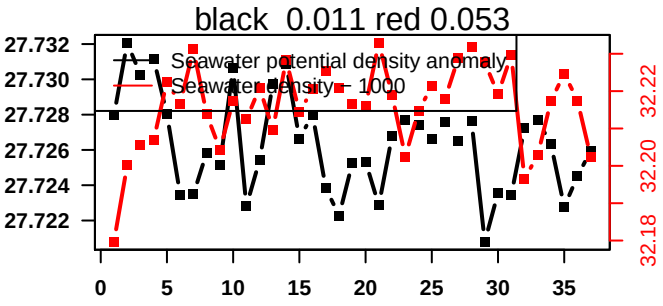

black 0.02 red 0.044
Seawater potential density anomaly
Seawater density − 1000
27.740
27.735
27.730
27.725
32.26
32.24
32.22
0
5
10
15
20
25
30

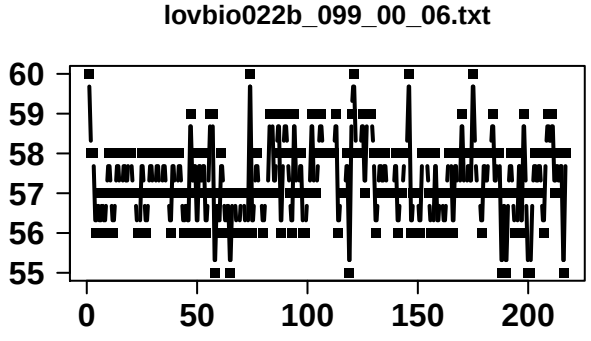

lovbio022b_098_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

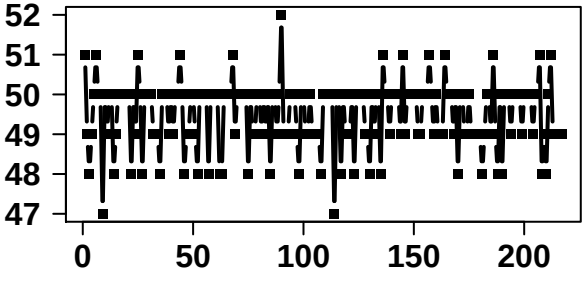

53
52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

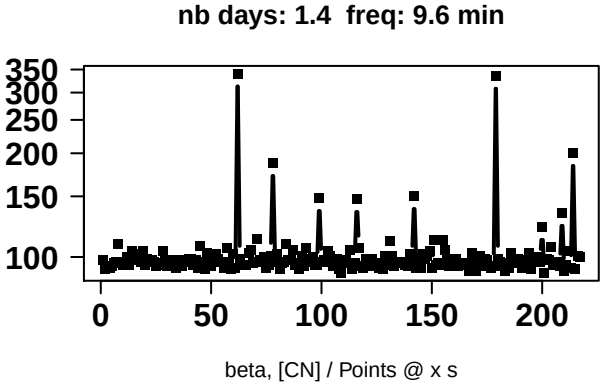

nb days: 1.3 freq: 9.7 min
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

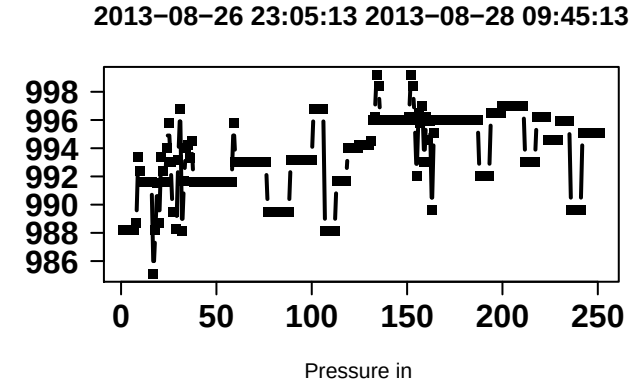

2013−08−24 22:53:49 2013−08−26 09:33:49
984
982
980
978
976
974
972
0
50
100
150
200
250
Pressure in

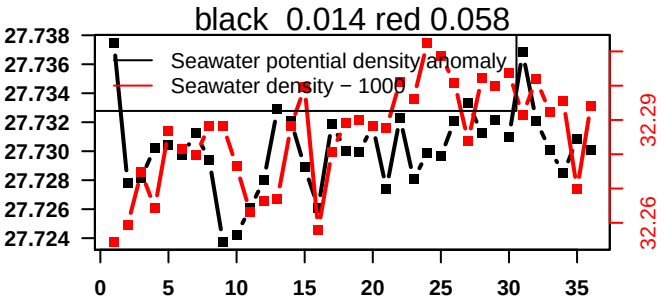

black 0.011 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
0
5
10
15
20
25
30
35
32.22
32.20
32.18

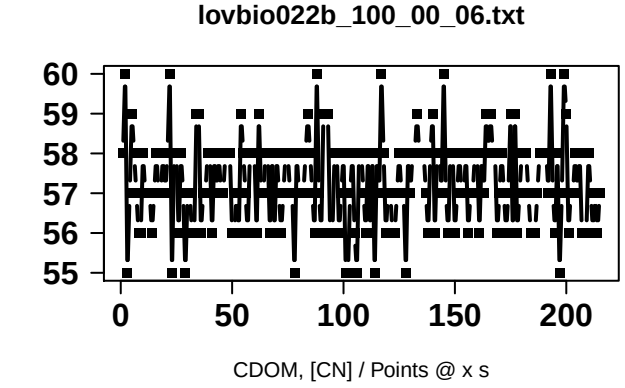

lovbio022b_099_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

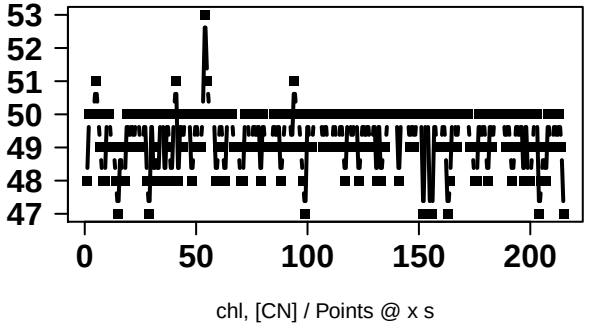

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

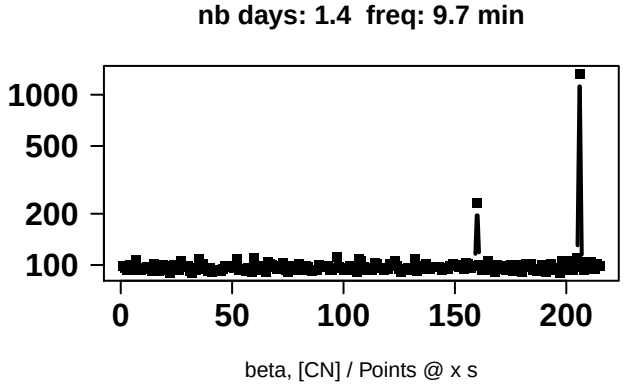

nb days: 1.4 freq: 9.6 min
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

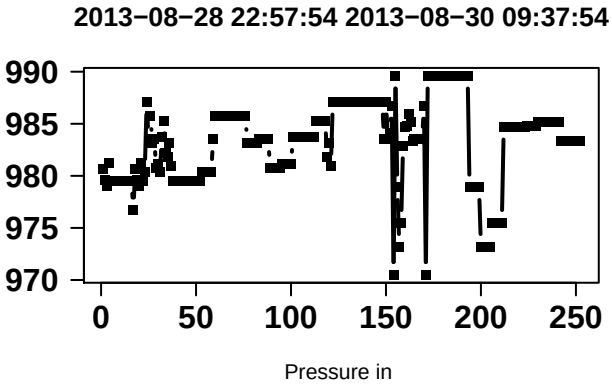

2013−08−26 23:05:13 2013−08−28 09:45:13
998
996
994
992
990
988
986
0
50
100
150
200
250
Pressure in

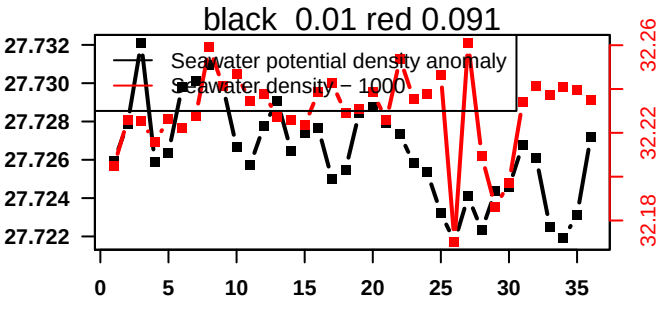

black 0.014 red 0.058
27.738
27.736
27.734
27.732
27.730
27.728
27.726
27.724
Seawater potential density anomaly
Seawater density − 1000
32.29
32.26
0
5
10
15
20
25
30
35

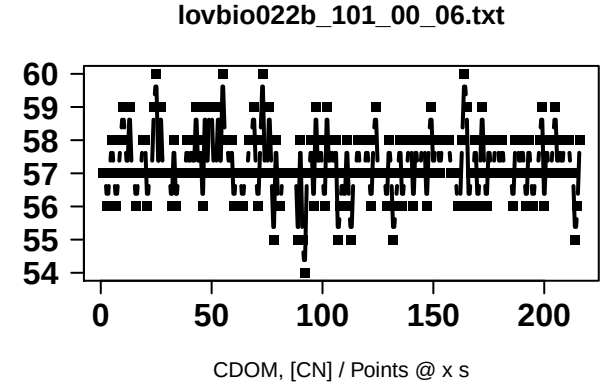

lovbio022b_100_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

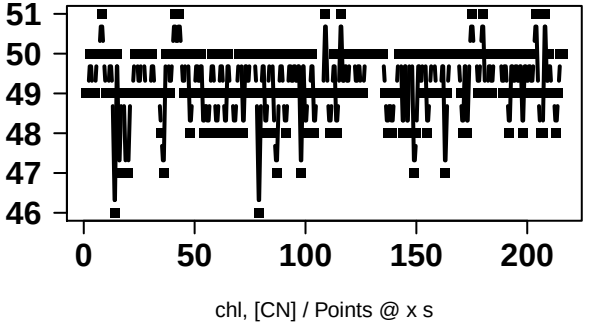

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

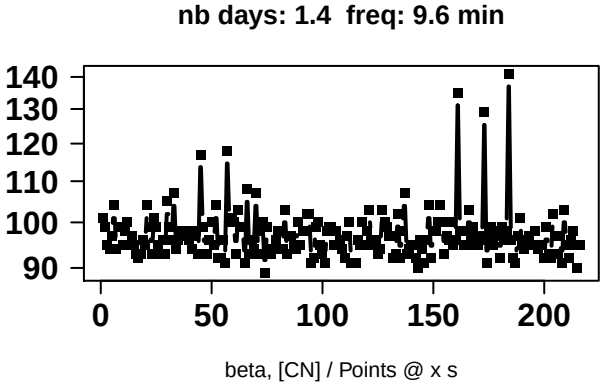

nb days: 1.4 freq: 9.7 min
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

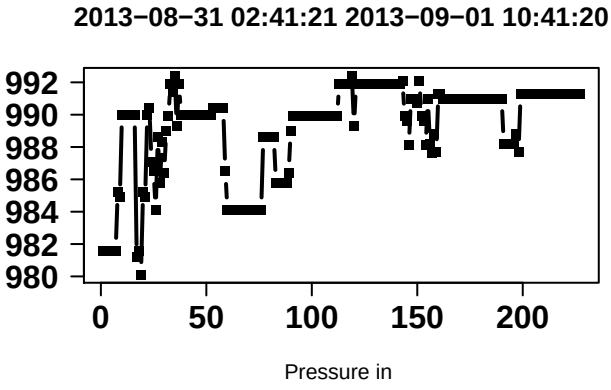

2013−08−28 22:57:54 2013−08−30 09:37:54
990
985
980
975
970
0
50
100
150
200
250
Pressure in

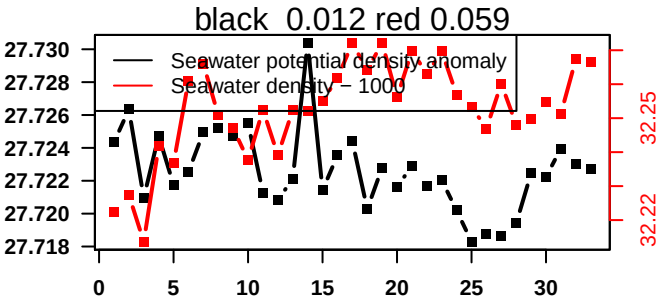

black 0.01 red 0.091
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
32.26
32.22
32.18
0
5
10
15
20
25
30
35

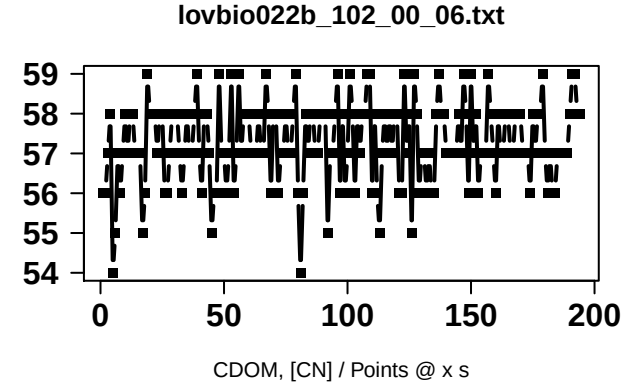

lovbio022b_101_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

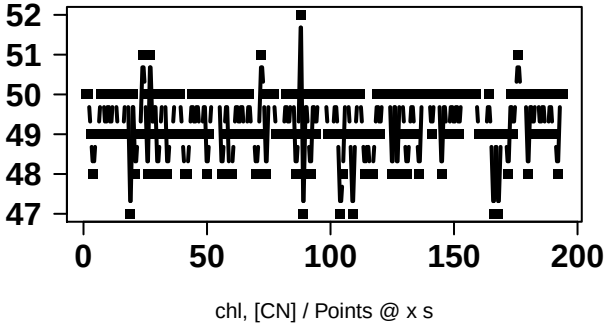

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

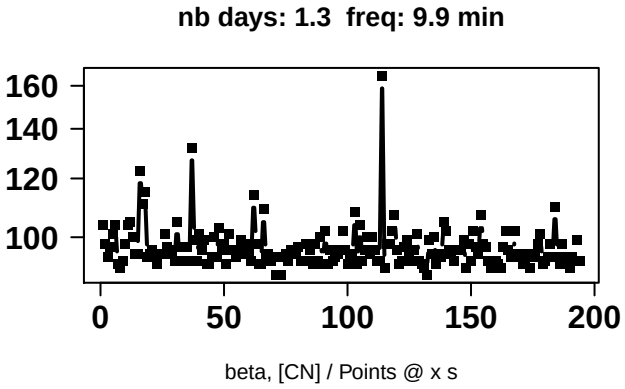

nb days: 1.4 freq: 9.6 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

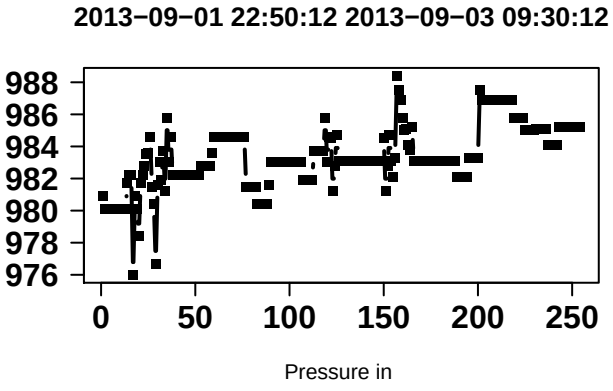

2013−08−31 02:41:21 2013−09−01 10:41:20
992
990
988
986
984
982
980
0
50
100
150
200
Pressure in

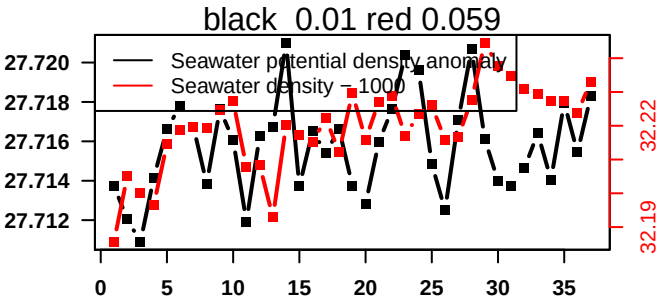

black 0.012 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
27.720
27.718
32.25
32.22
0
5
10
15
20
25
30

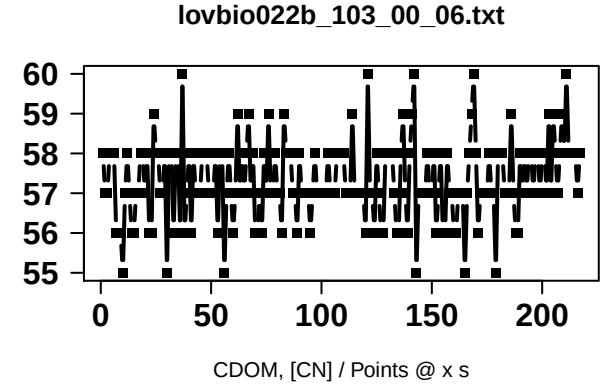

lovbio022b_102_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

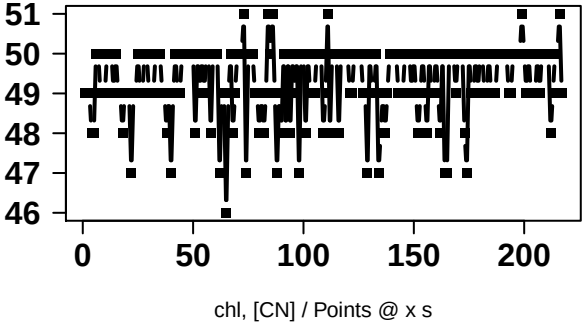

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

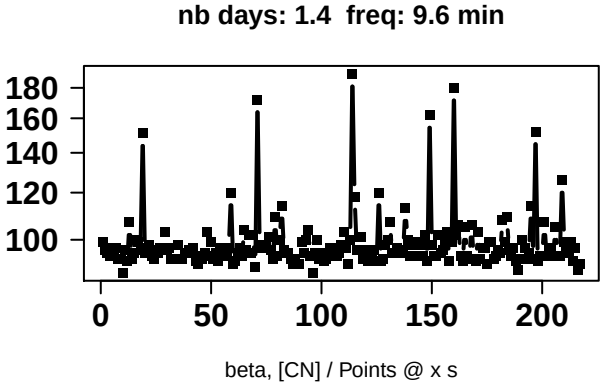

nb days: 1.3 freq: 9.9 min
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

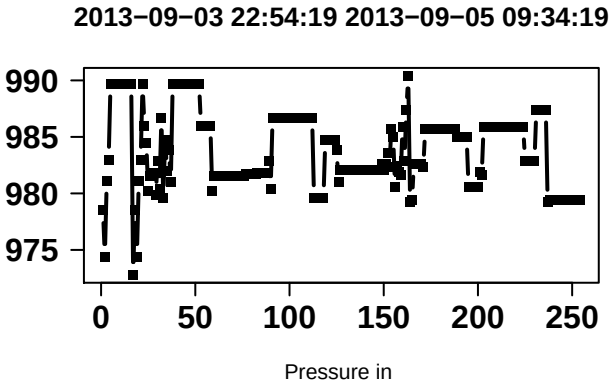

2013−09−01 22:50:12 2013−09−03 09:30:12
988
986
984
982
980
978
976
0
50
100
150
200
250
Pressure in

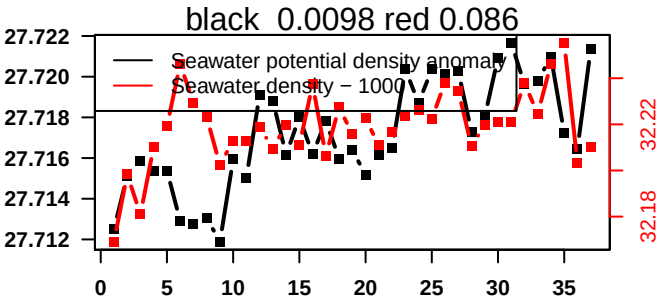

black 0.01 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.720
27.718
27.716
27.714
27.712
32.22
32.19
0
5
10
15
20
25
30
35

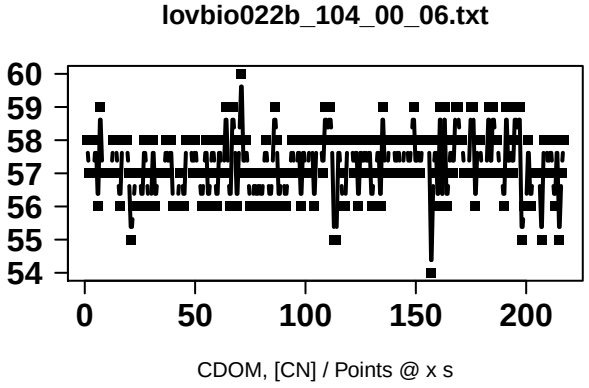

lovbio022b_103_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

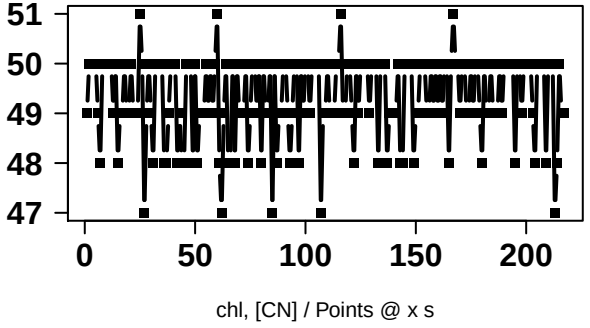

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

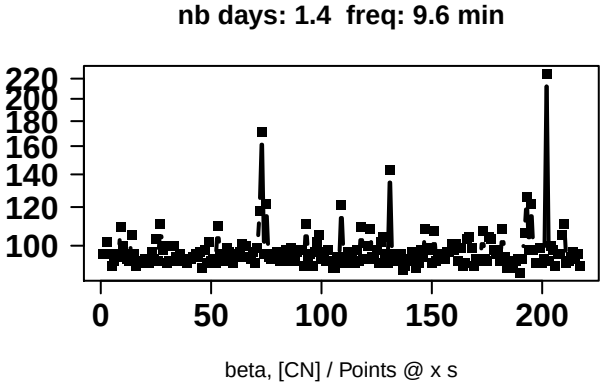

nb days: 1.4 freq: 9.6 min
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

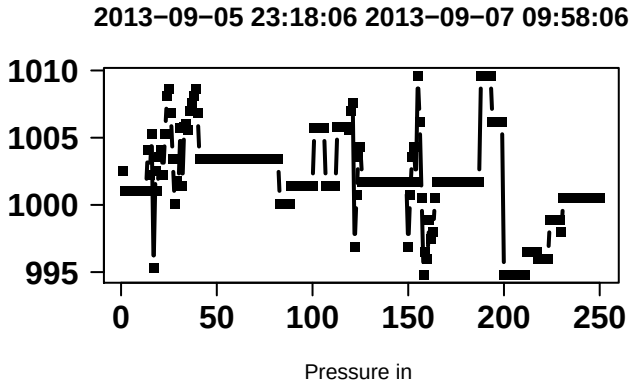

2013−09−03 22:54:19 2013−09−05 09:34:19
990
985
980
975
0
50
100
150
200
250
Pressure in

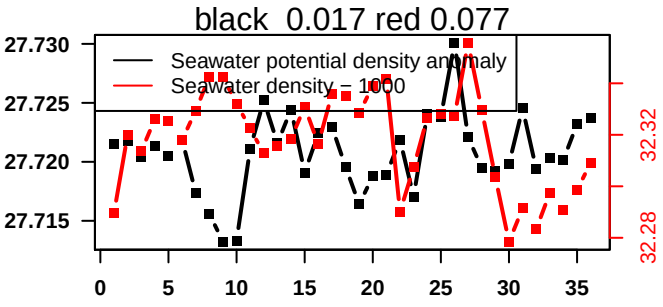

black 0.0098 red 0.086
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
27.712
32.22
32.18
0
5
10
15
20
25
30
35

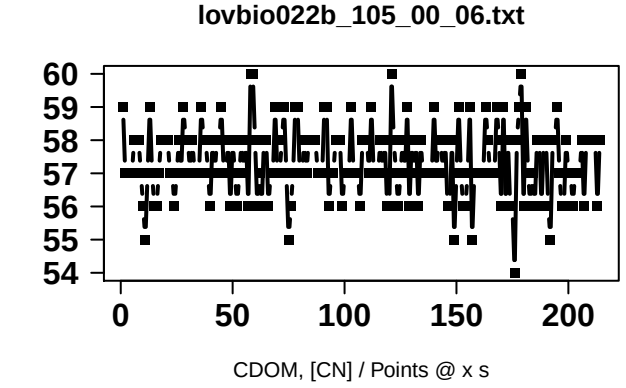

lovbio022b_104_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

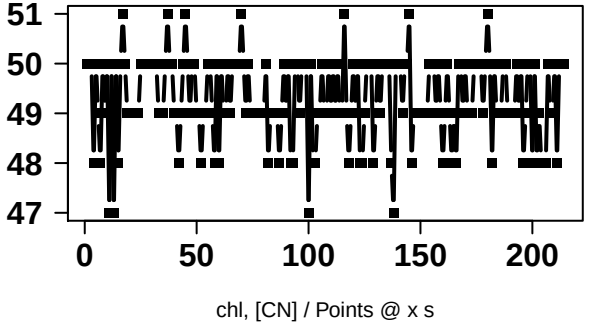

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

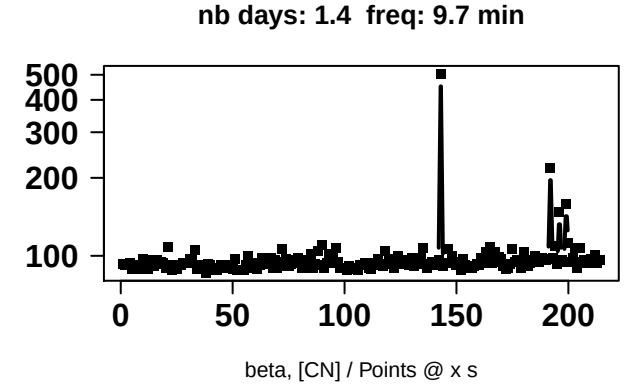

nb days: 1.4 freq: 9.6 min
220
200
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

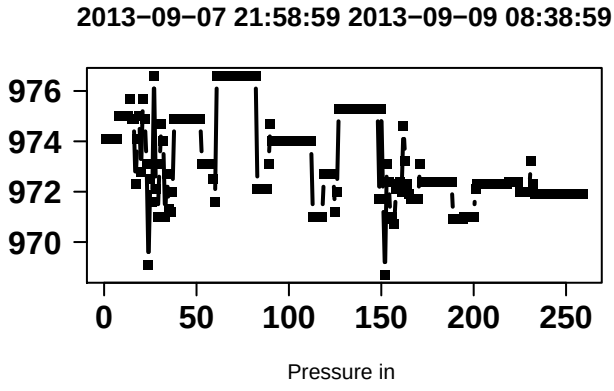

2013−09−05 23:18:06 2013−09−07 09:58:06
1010
1005
1000
995
0
50
100
150
200
250
Pressure in

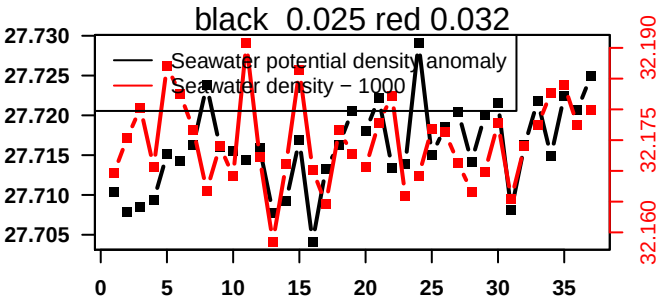

black 0.017 red 0.077
Seawater potential density anomaly
Seawater density − 1000
27.730
27.725
27.720
27.715
32.32
32.28
0
5
10
15
20
25
30
35

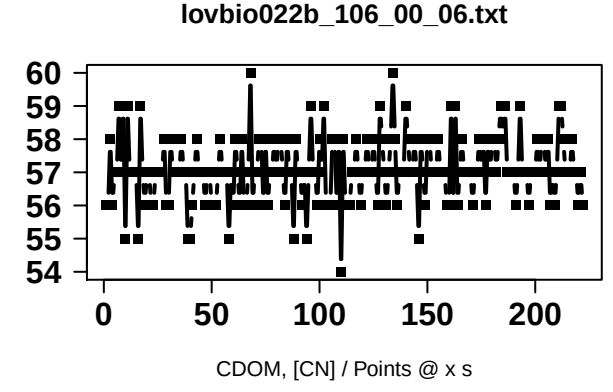

lovbio022b_105_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

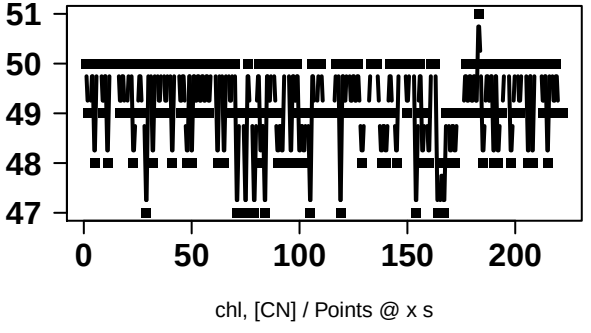

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

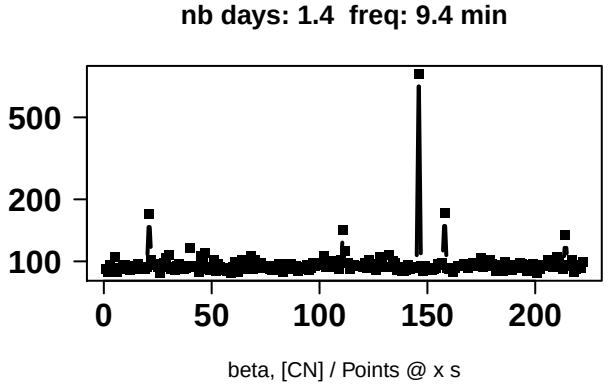

nb days: 1.4 freq: 9.7 min
500
400
300
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

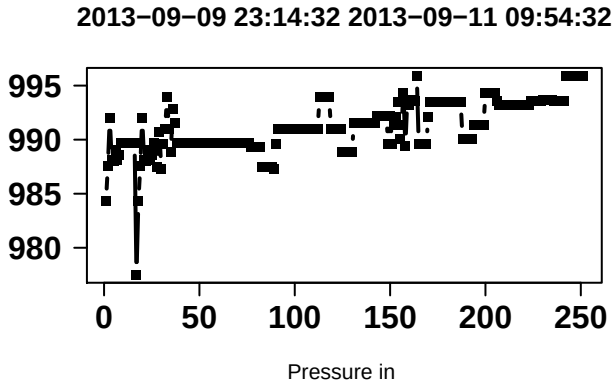

2013−09−07 21:58:59 2013−09−09 08:38:59
976
974
972
970
0
50
100
150
200
250
Pressure in

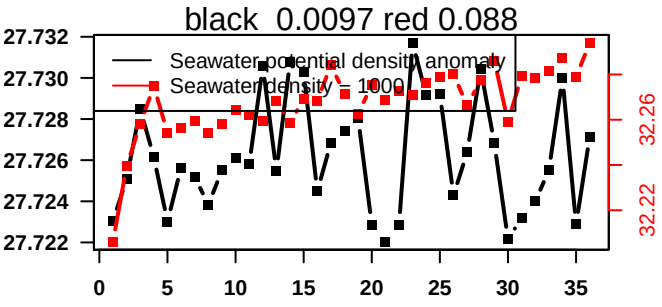

black 0.025 red 0.032
Seawater potential density anomaly
Seawater density − 1000
27.730
27.725
27.720
27.715
27.710
27.705
32.190
32.175
32.160
0
5
10
15
20
25
30
35

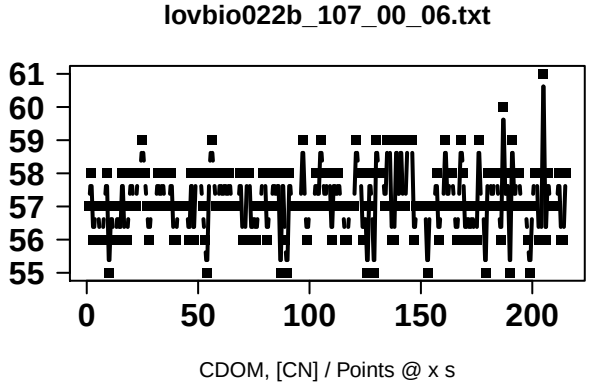

lovbio022b_106_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

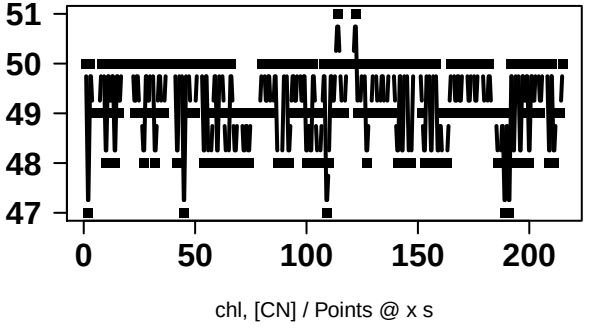

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

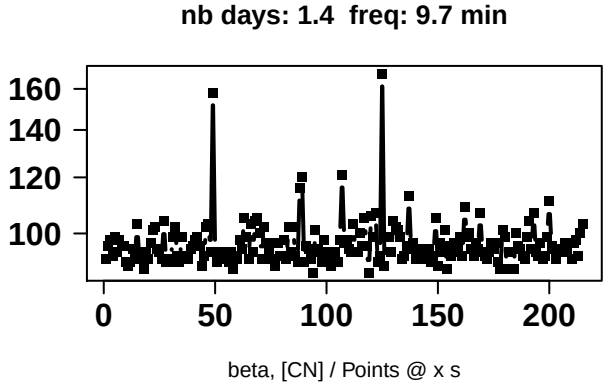

nb days: 1.4 freq: 9.4 min
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

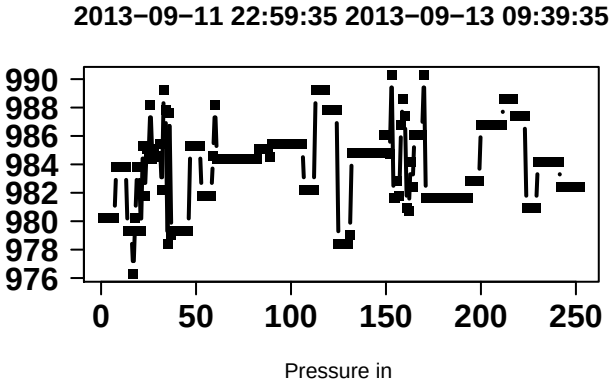

2013−09−09 23:14:32 2013−09−11 09:54:32
995
990
985
980
0
50
100
150
200
250
Pressure in

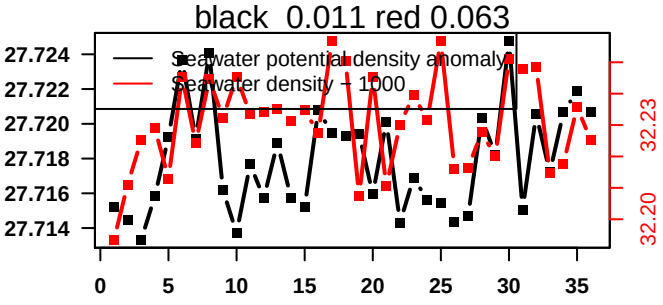

black 0.0097 red 0.088
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
32.26
32.22
0
5
10
15
20
25
30
35

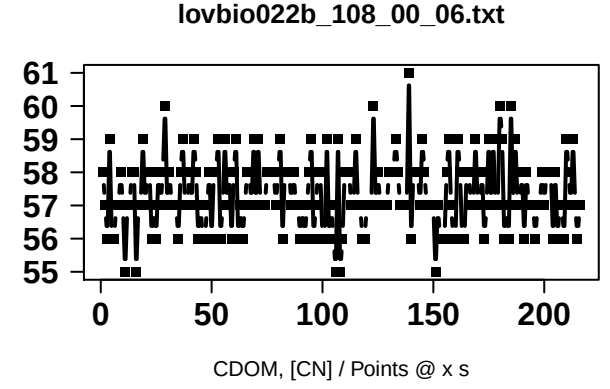

lovbio022b_107_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

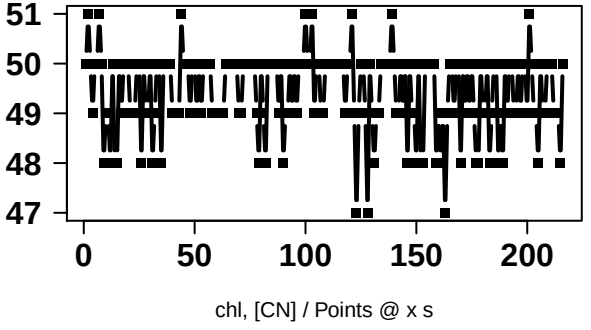

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

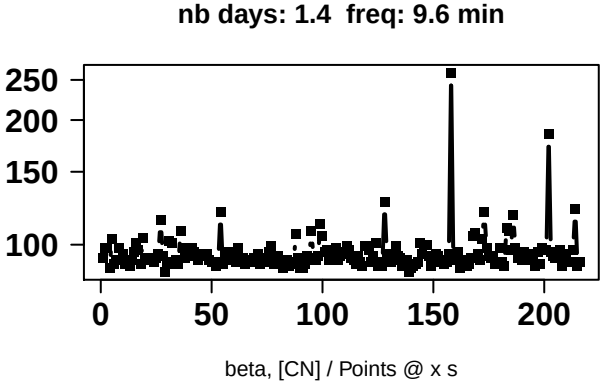

nb days: 1.4 freq: 9.7 min
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

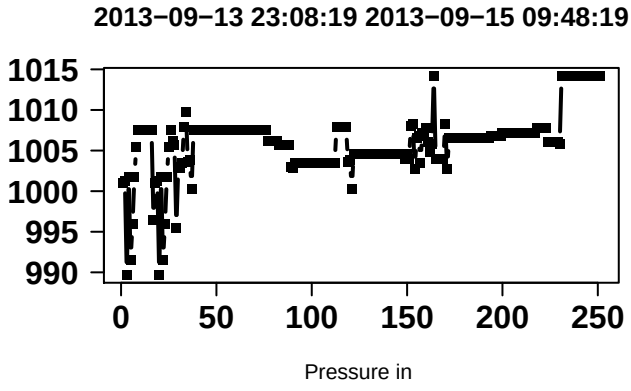

2013−09−11 22:59:35 2013−09−13 09:39:35
990
988
986
984
982
980
978
976
0
50
100
150
200
250
Pressure in

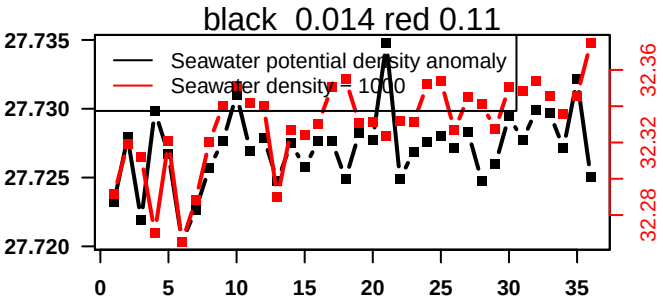

black 0.011 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
27.716
27.714
32.23
32.20
0
5
10
15
20
25
30
35

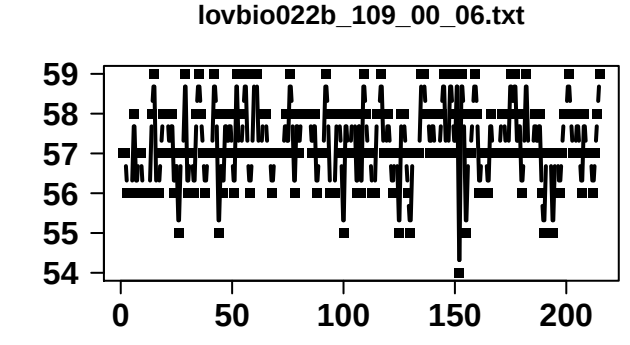

lovbio022b_108_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

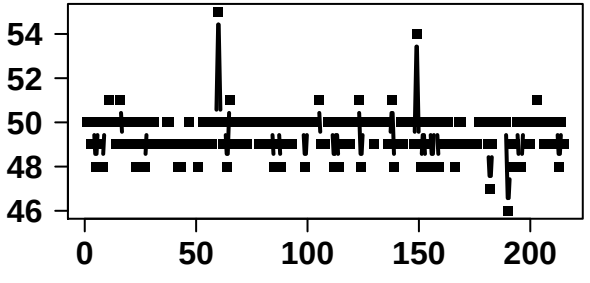

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

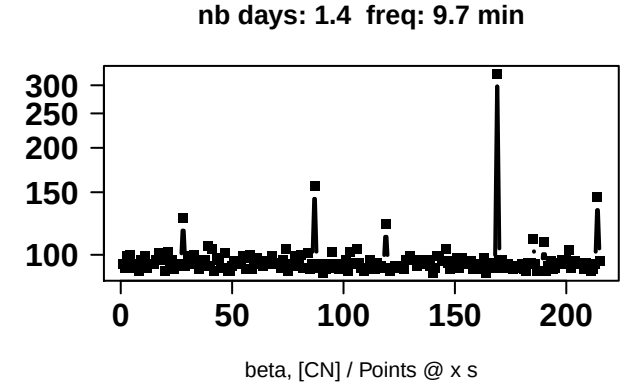

nb days: 1.4 freq: 9.6 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

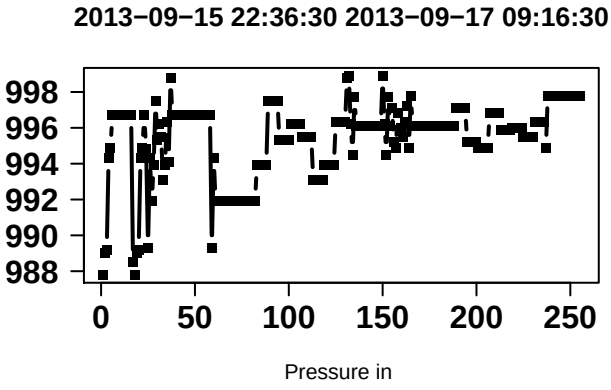

2013−09−13 23:08:19 2013−09−15 09:48:19
1015
1010
1005
1000
995
990
0
50
100
150
200
250
Pressure in

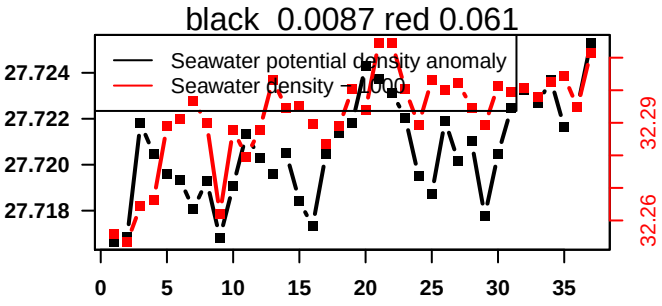

black 0.014 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
32.36
32.32
32.28
0
5
10
15
20
25
30
35

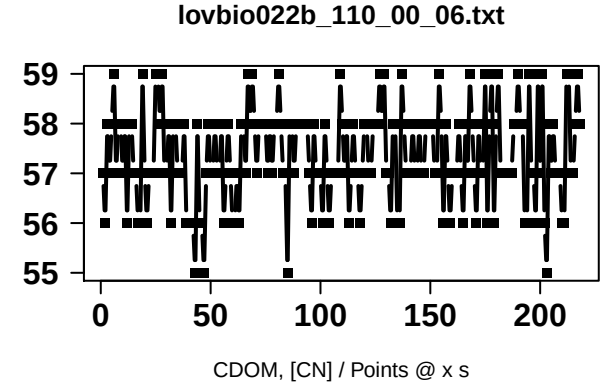

lovbio022b_109_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

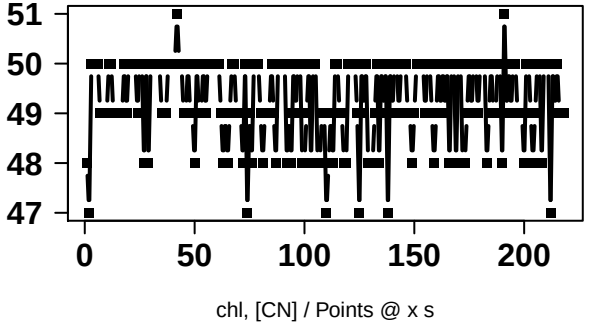

54
52
50
48
46
0
50
100
150
200
chl, [CN] / Points @ x s

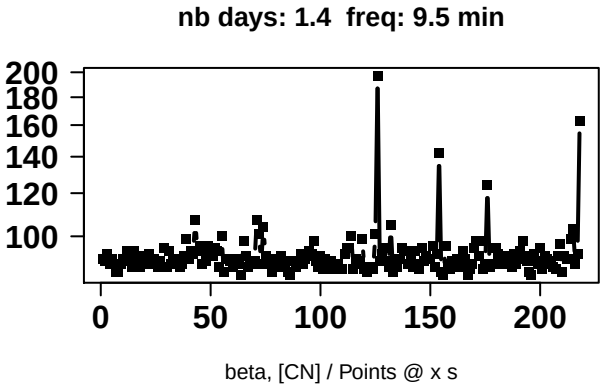

nb days: 1.4 freq: 9.7 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

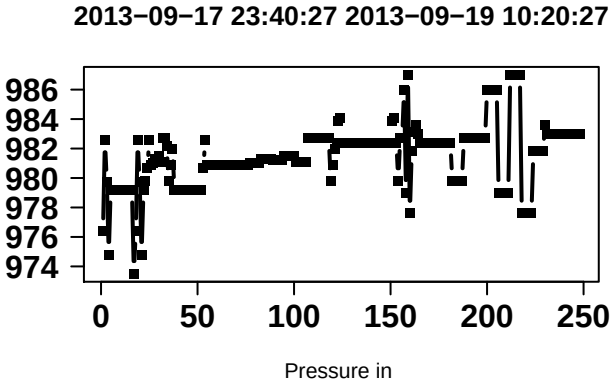

2013−09−15 22:36:30 2013−09−17 09:16:30
998
996
994
992
990
988
0
50
100
150
200
250
Pressure in

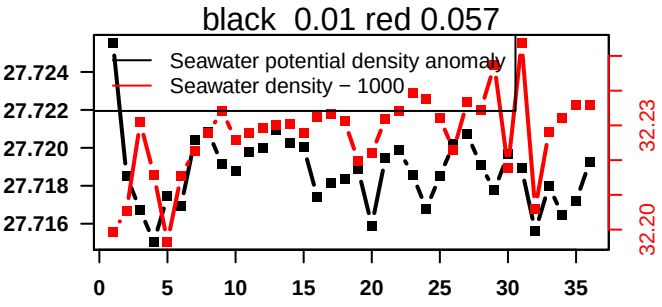

black 0.0087 red 0.061
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
32.29
32.26
0
5
10
15
20
25
30
35

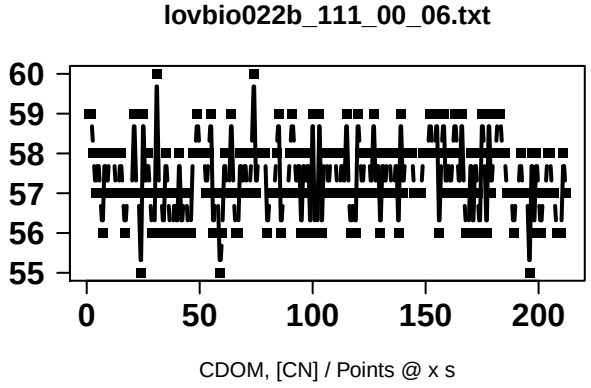

lovbio022b_110_00_06.txt
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

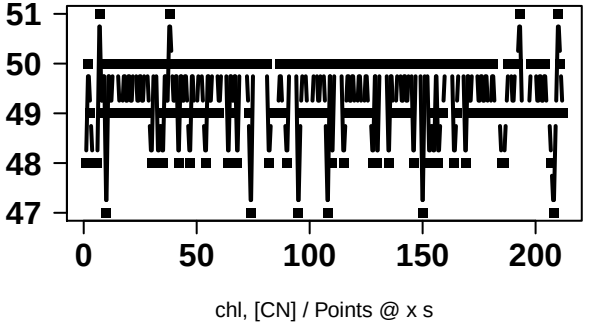

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

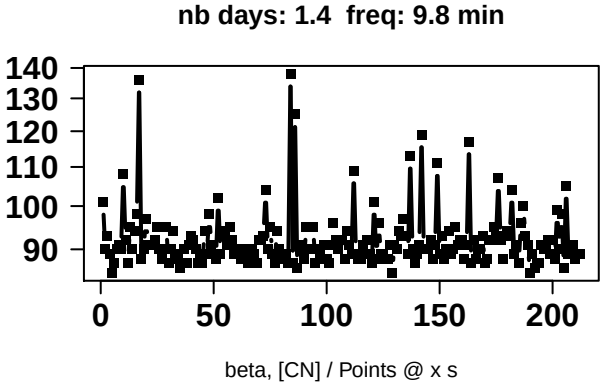

nb days: 1.4 freq: 9.5 min
200
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

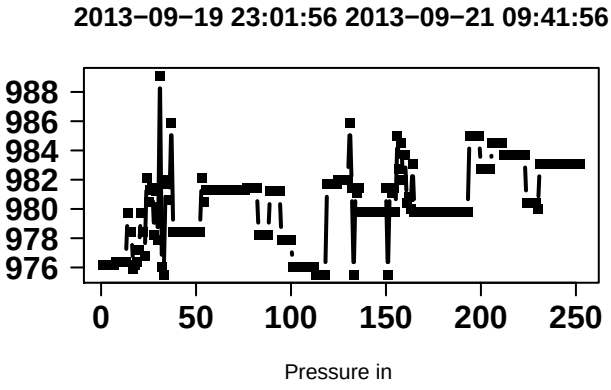

2013−09−17 23:40:27 2013−09−19 10:20:27
986
984
982
980
978
976
974
0
50
100
150
200
250
Pressure in

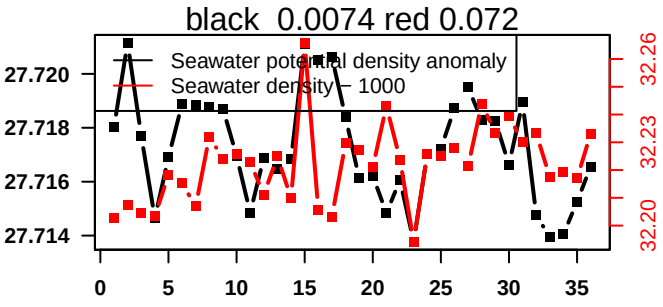

black 0.01 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
27.716
32.23
32.20
0
5
10
15
20
25
30
35

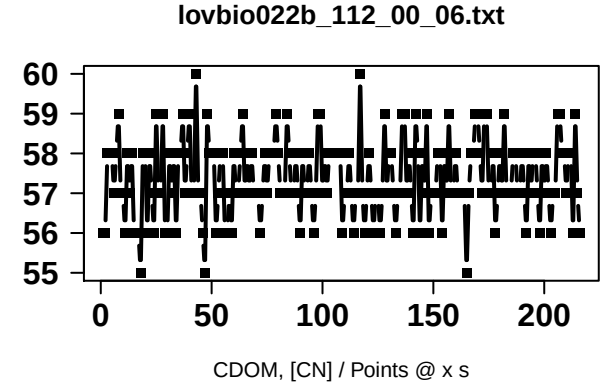

lovbio022b_111_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

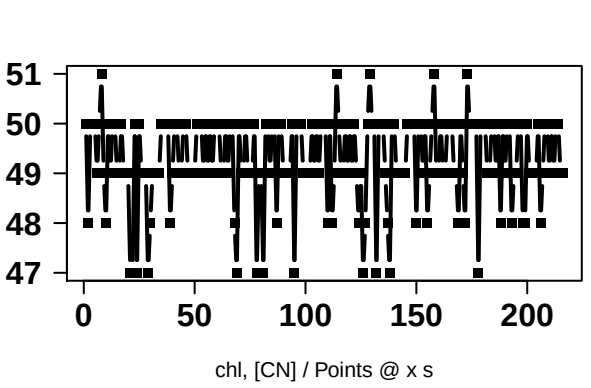

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

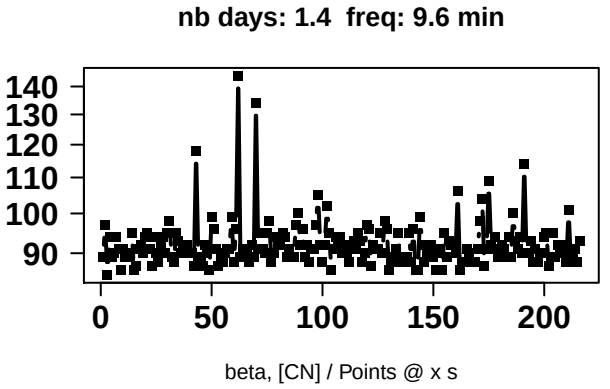

nb days: 1.4 freq: 9.8 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

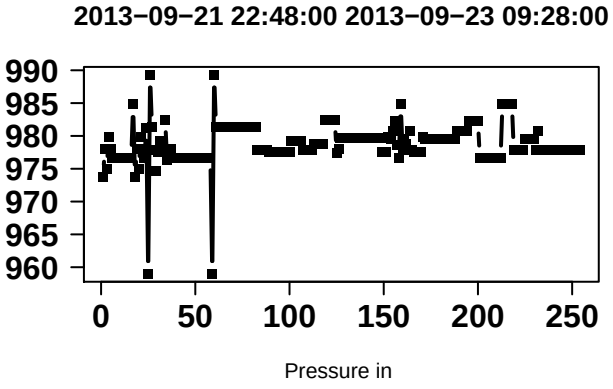

2013−09−19 23:01:56 2013−09−21 09:41:56
988
986
984
982
980
978
976
0
50
100
150
200
250
Pressure in

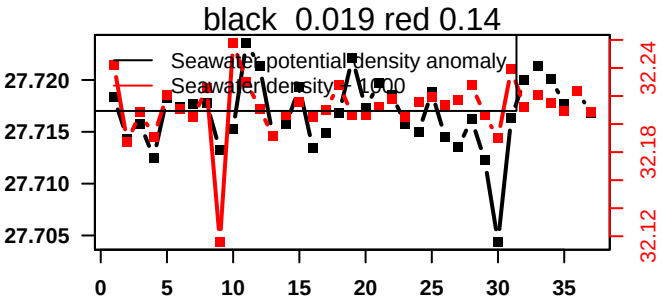

black 0.0074 red 0.072
Seawater potential density anomaly
Seawater density − 1000
27.720
27.718
27.716
27.714
32.26
32.23
32.20
0
5
10
15
20
25
30
35

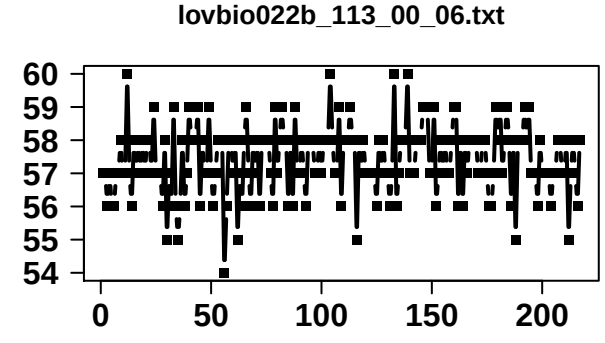

lovbio022b_112_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

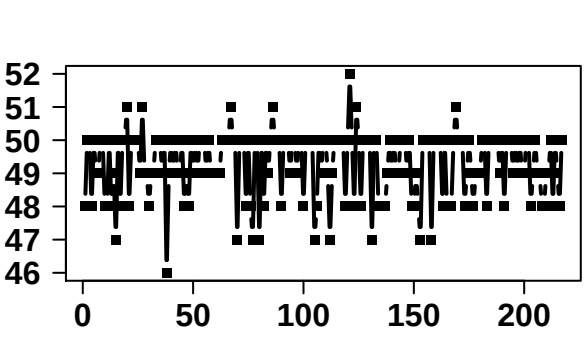

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

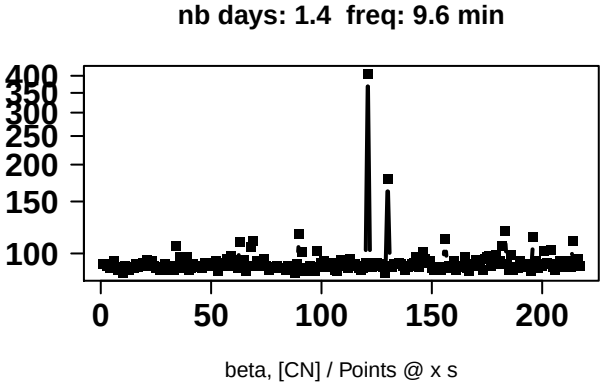

nb days: 1.4 freq: 9.6 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

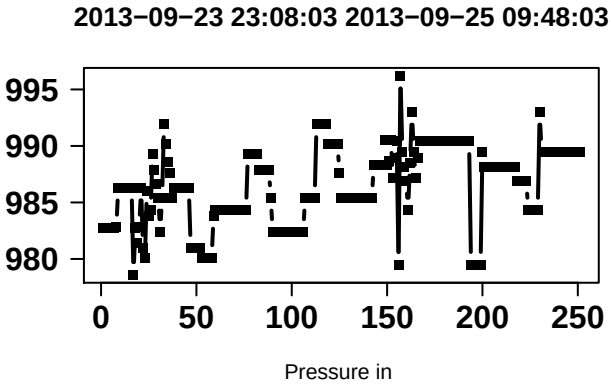

2013−09−21 22:48:00 2013−09−23 09:28:00
990
985
980
975
970
965
960
0
50
100
150
200
250
Pressure in

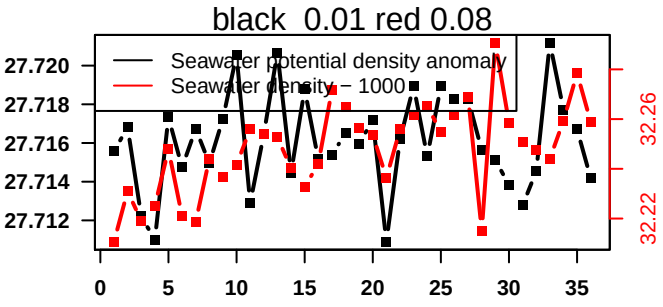

black 0.019 red 0.14
Seawater potential density anomaly
Seawater density − 1,000
27.720
27.715
27.710
27.705
0
5
10
15
20
25
30
35
32.24
32.18
32.12

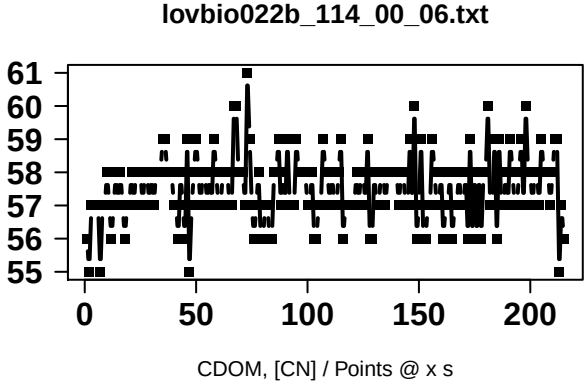

lovbio022b_113_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

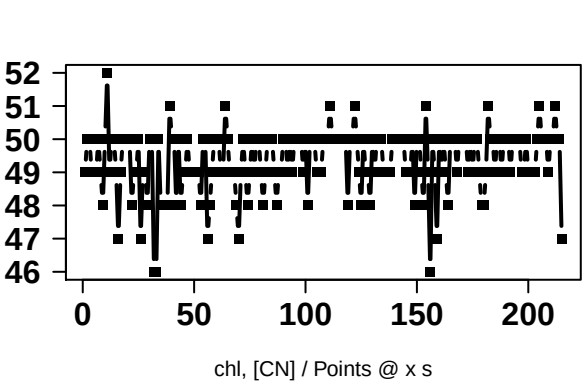

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

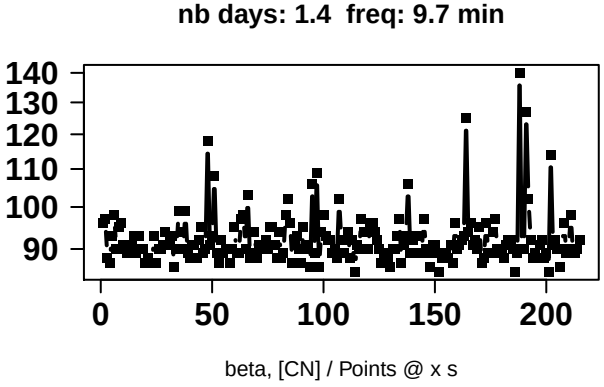

nb days: 1.4 freq: 9.6 min
400
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

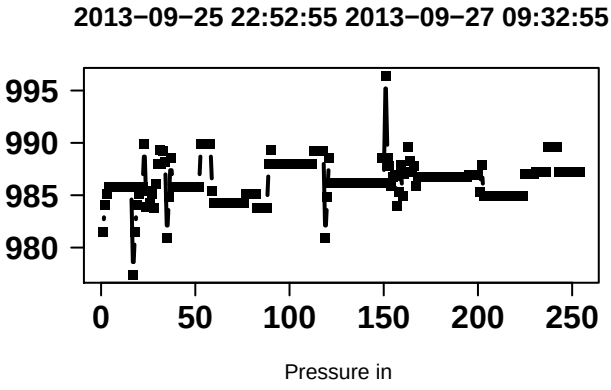

2013−09−23 23:08:03 2013−09−25 09:48:03
995
990
985
980
0
50
100
150
200
250
Pressure in

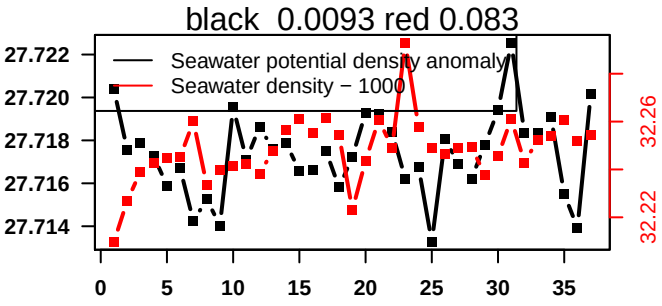

black 0.01 red 0.08
Seawater potential density anomaly
Seawater density − 1000
27.720
27.718
27.716
27.714
27.712
32.26
32.22
0
5
10
15
20
25
30
35

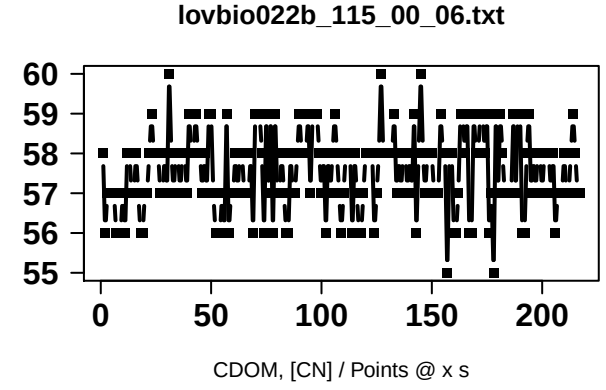

lovbio022b_114_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

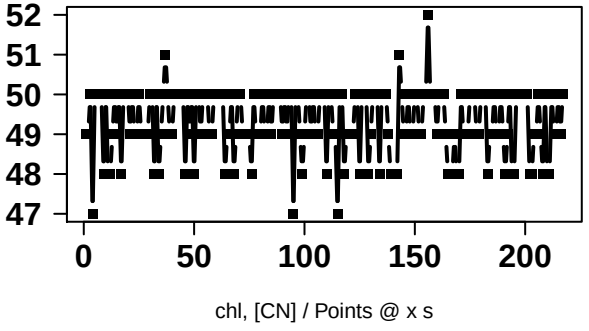

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

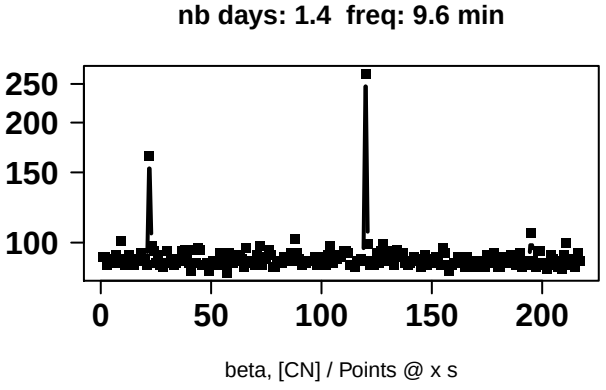

nb days: 1.4 freq: 9.7 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

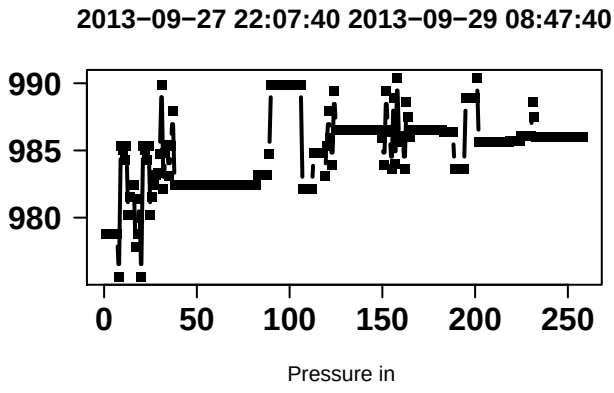

2013−09−25 22:52:55 2013−09−27 09:32:55
995
990
985
980
0
50
100
150
200
250
Pressure in

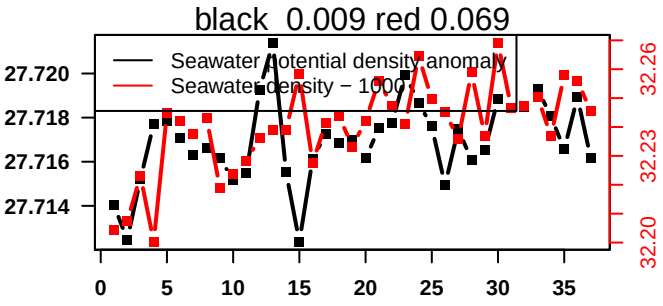

black 0.0093 red 0.083
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
0
5
10
15
20
25
30
35
32.26
32.22

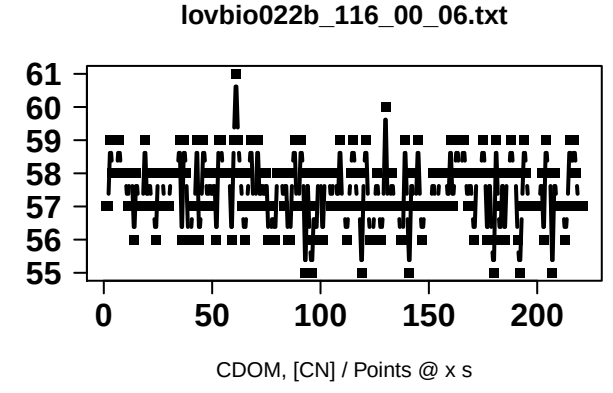

lovbio022b_115_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

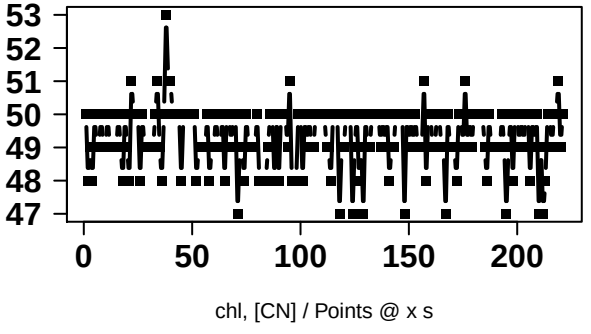

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

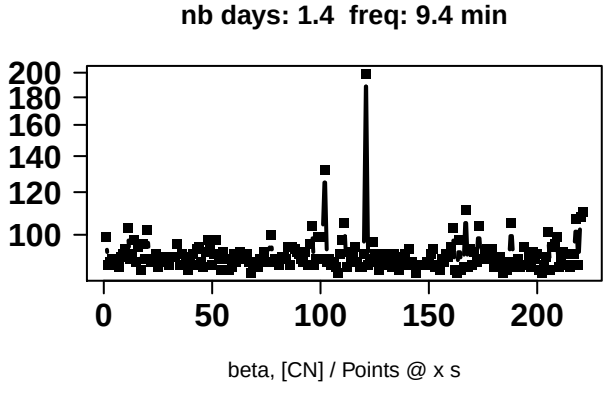

nb days: 1.4 freq: 9.6 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

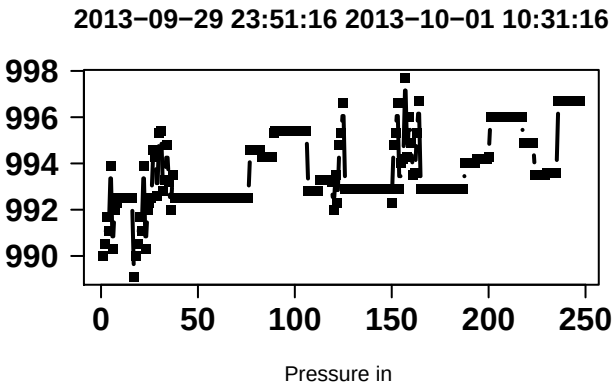

2013−09−27 22:07:40 2013−09−29 08:47:40
990
985
980
0
50
100
150
200
250
Pressure in

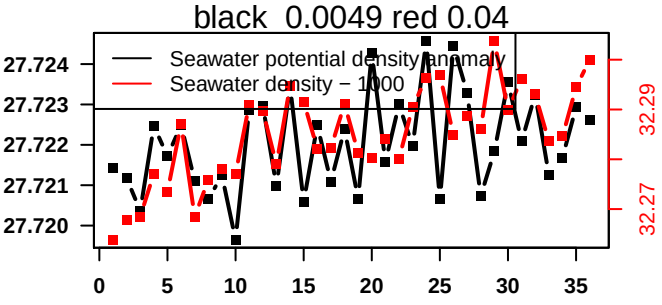

black 0.009 red 0.069
Seawater potential density anomaly
Seawater density − 1000
27.720
27.718
27.716
27.714
0
5
10
15
20
25
30
35
32.26
32.23
32.20

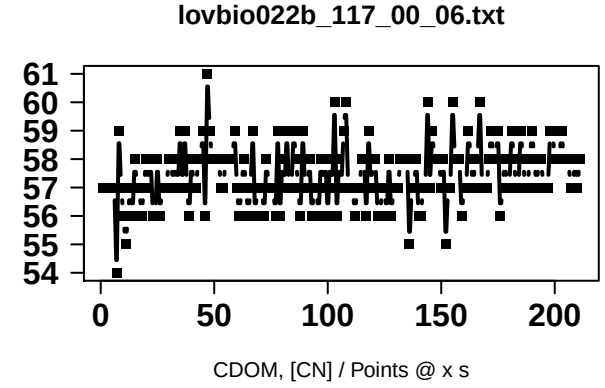

lovbio022b_116_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

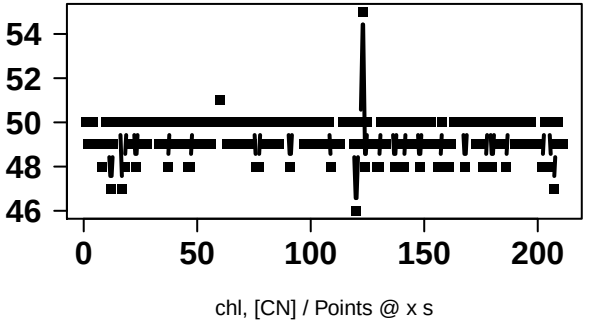

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

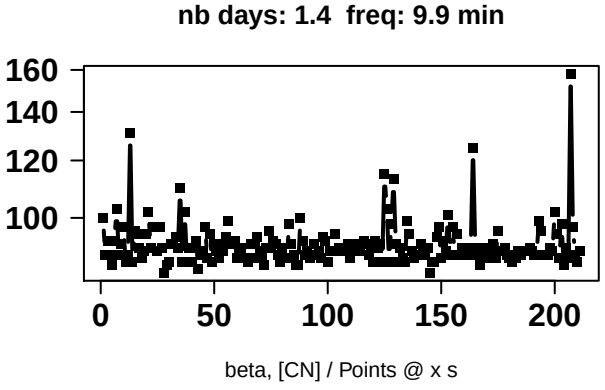

nb days: 1.4 freq: 9.4 min
200
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

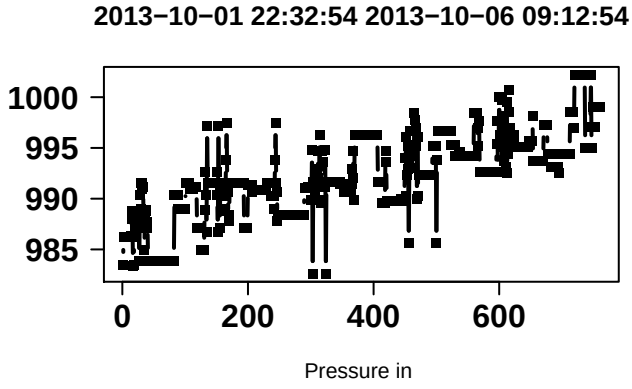

2013−09−29 23:51:16 2013−10−01 10:31:16
998
996
994
992
990
0
50
100
150
200
250
Pressure in

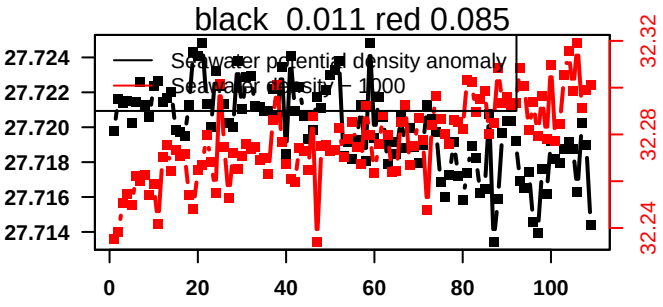

black 0.0049 red 0.04
Seawater potential density anomaly
Seawater density − 1000
27.724
27.723
27.722
27.721
27.720
32.29
32.27
0
5
10
15
20
25
30
35

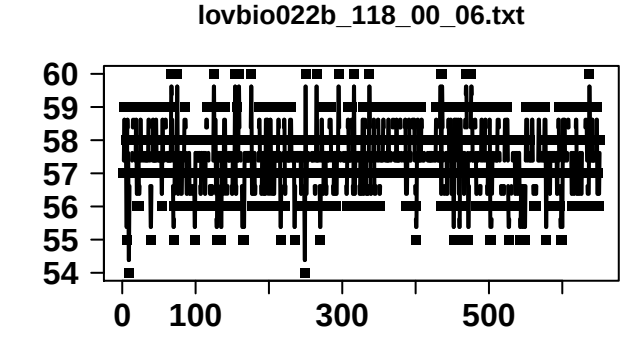

lovbio022b_117_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

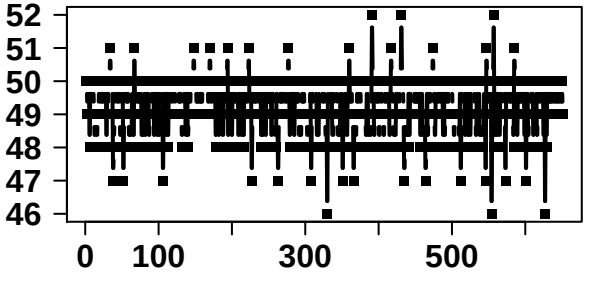

54
52
50
48
46
0
50
100
150
200
chl, [CN] / Points @ x s

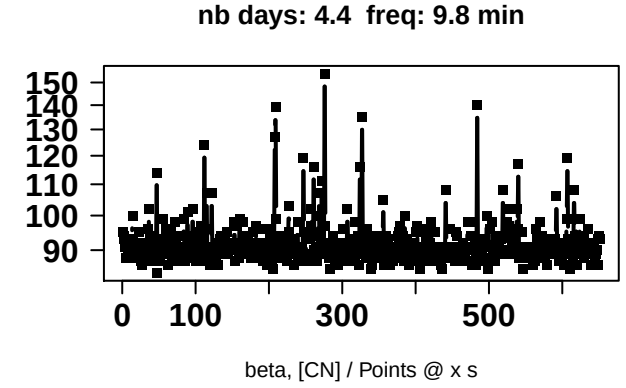

nb days: 1.4 freq: 9.9 min
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

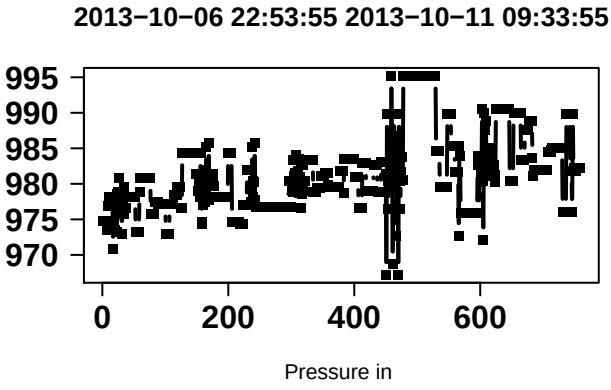

2013−10−01 22:32:54 2013−10−06 09:12:54
1000
995
990
985
0
200
400
600
Pressure in

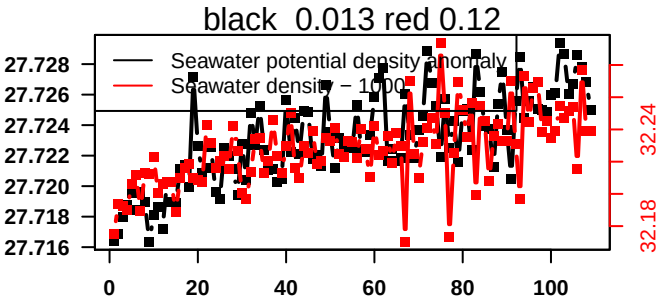

black 0.011 red 0.085
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
27.716
27.714
32.32
32.28
32.24
0
20
40
60
80
100

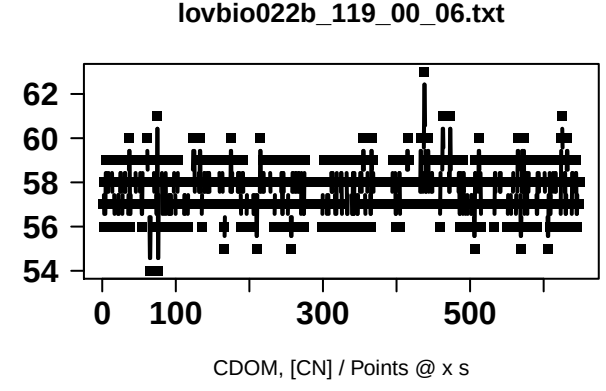

lovbio022b_118_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

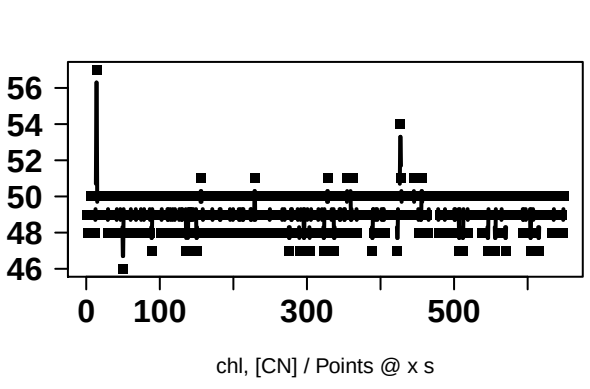

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

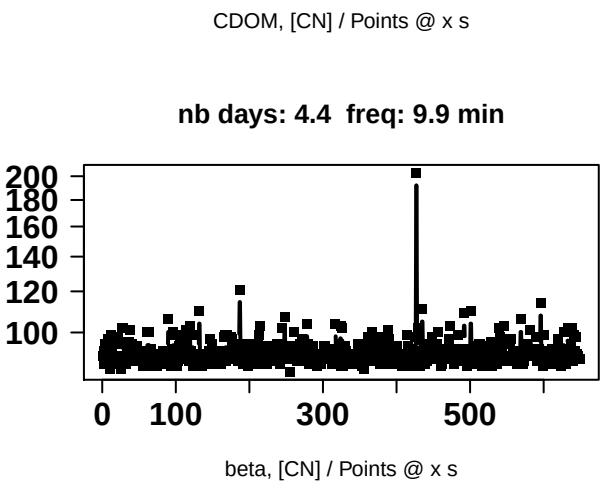

nb days: 4.4 freq: 9.8 min
150
140
130
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

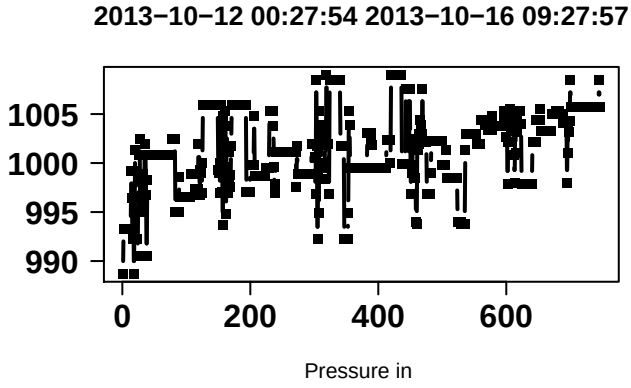

2013−10−06 22:53:55 2013−10−11 09:33:55
995
990
985
980
975
970
0
200
400
600
Pressure in

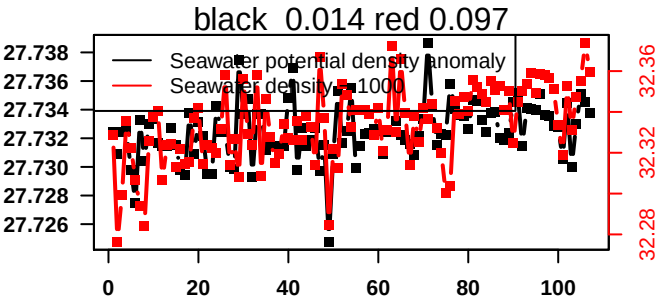

black 0.013 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
27.720
27.718
27.716
32.24
32.18
0
20
40
60
80
100

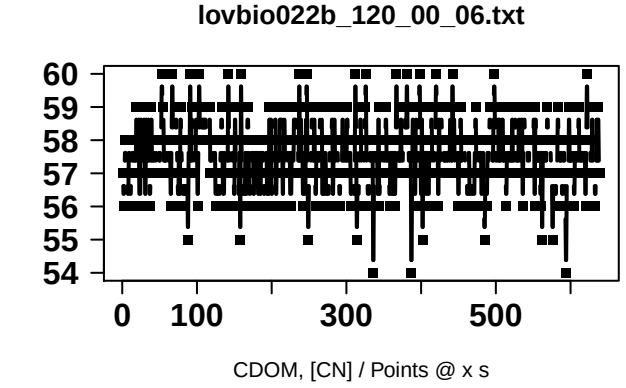

lovbio022b_119_00_06.txt
62
60
58
56
54
0
100
300
500
CDOM, [CN] / Points @ x s

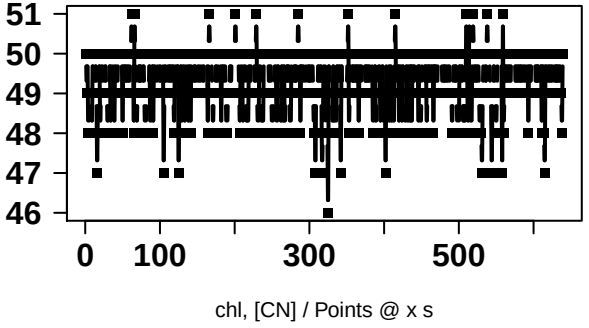

56
54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

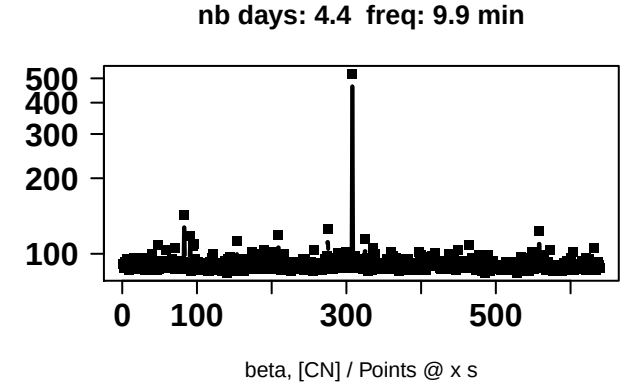

nb days: 4.4 freq: 9.9 min
200
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

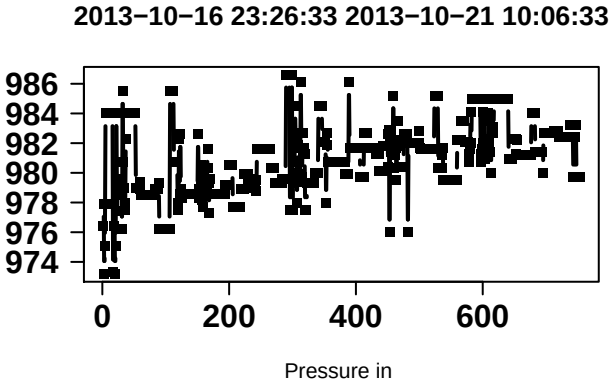

2013−10−12 00:27:54 2013−10−16 09:27:57
1005
1000
995
990
0
200
400
600
Pressure in

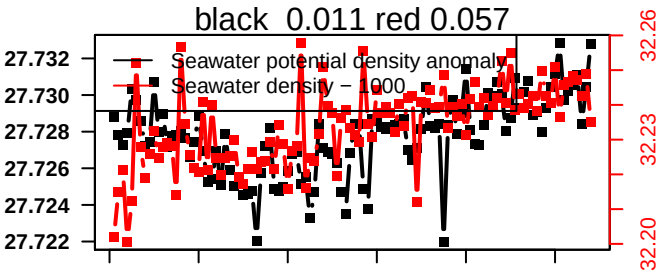

black 0.014 red 0.097
Seawater potential density anomaly
Seawater density −1000
27.738
27.736
27.734
27.732
27.730
27.728
27.726
32.36
32.32
32.28
0
20
40
60
80
100

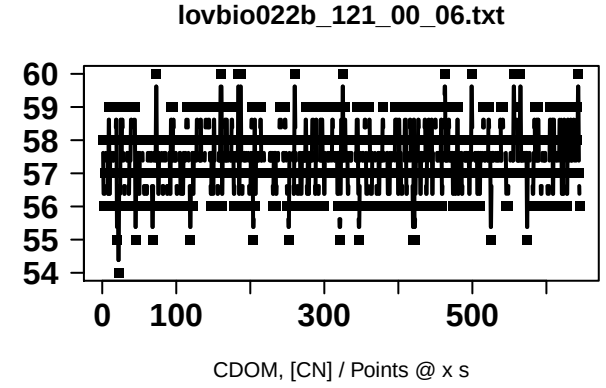

lovbio022b_120_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

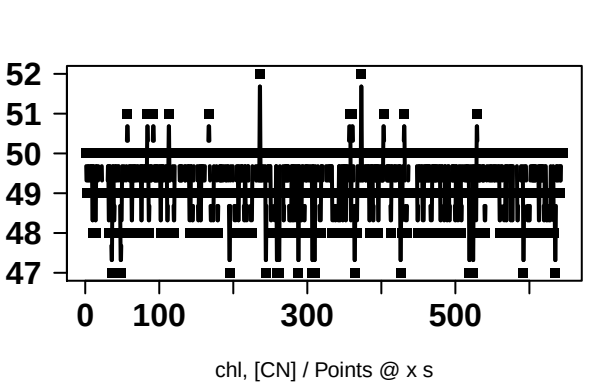

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

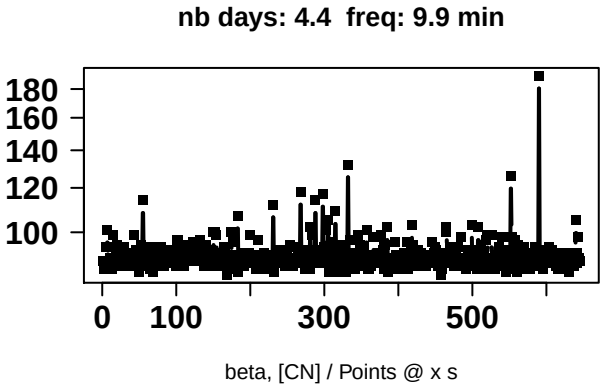

nb days: 4.4 freq: 9.9 min
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

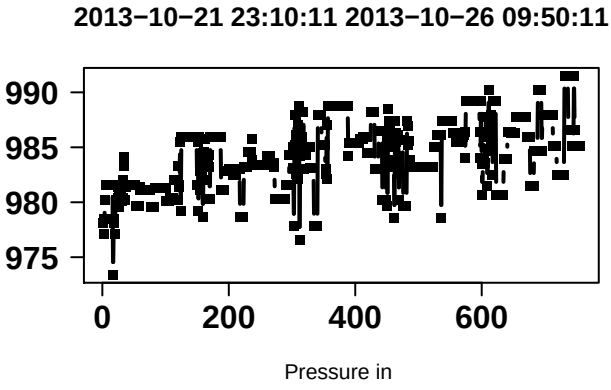

2013−10−16 23:26:33 2013−10−21 10:06:33
986
984
982
980
978
976
974
0
200
400
600
Pressure in

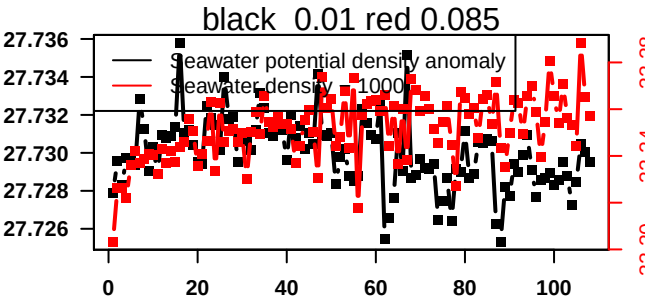

black 0.011 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
32.26
32.23
32.20
0
20
40
60
80
100

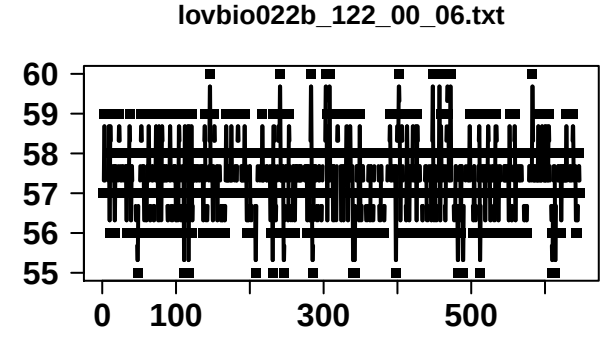

lovbio022b_121_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

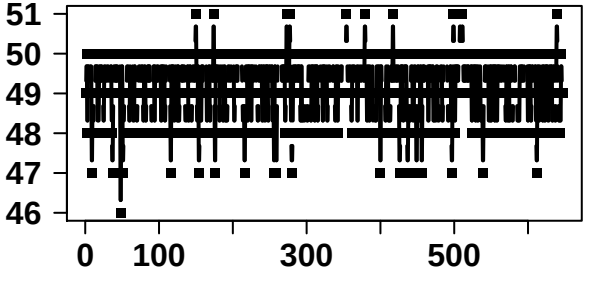

52
51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

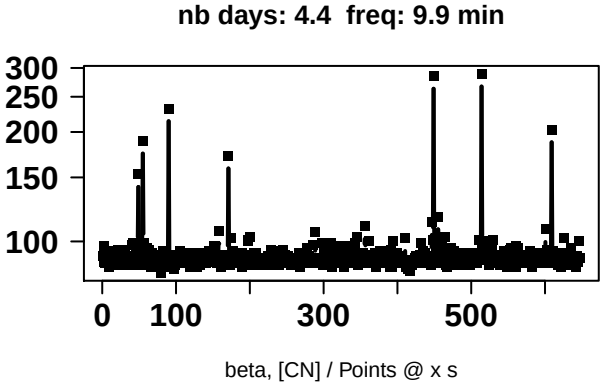

nb days: 4.4 freq: 9.9 min
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

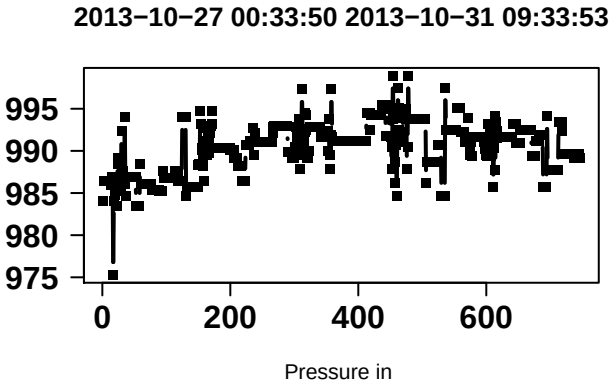

2013−10−21 23:10:11 2013−10−26 09:50:11
990
985
980
975
0
200
400
600
Pressure in

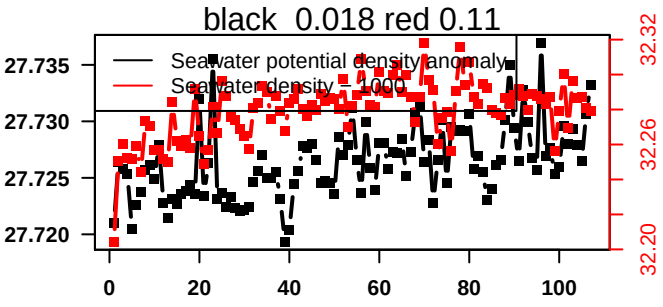

black 0.01 red 0.085
Seawater potential density anomaly
Seawater density −1000
27.736
27.734
27.732
27.730
27.728
27.726
32.28
32.24
32.20
0
20
40
60
80
100

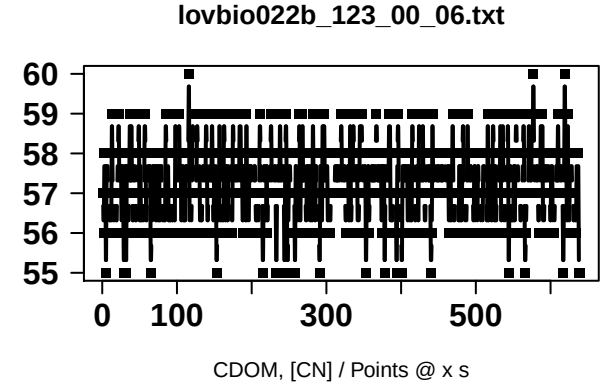

lovbio022b_122_00_06.txt
60
59
58
57
56
55
0
100
300
500
CDOM, [CN] / Points @ x s

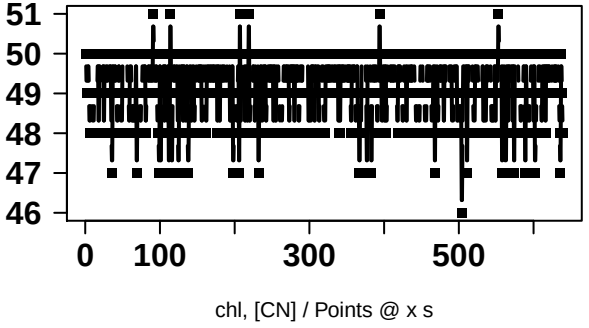

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

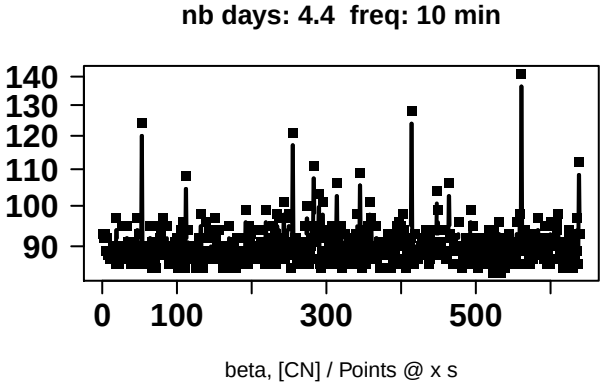

nb days: 4.4 freq: 9.9 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

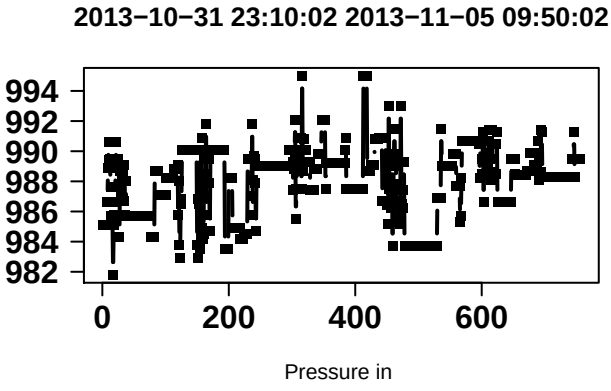

2013−10−27 00:33:50 2013−10−31 09:33:53
995
990
985
980
975
0
200
400
600
Pressure in

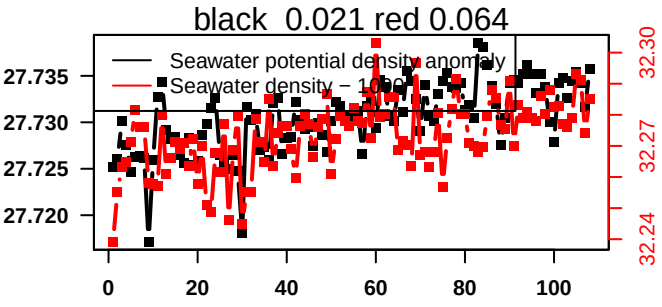

black 0.018 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
32.32
32.26
32.20
0
20
40
60
80
100

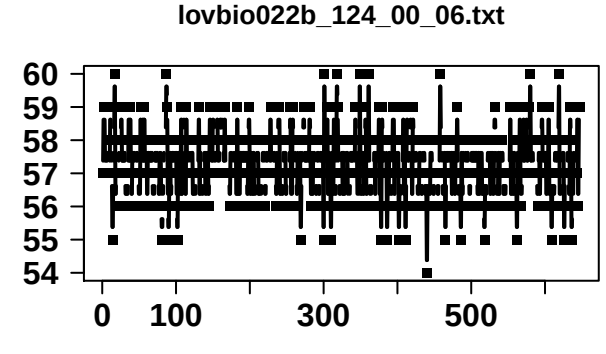

lovbio022b_123_00_06.txt
60
59
58
57
56
55
0
100
300
500
CDOM, [CN] / Points @ x s

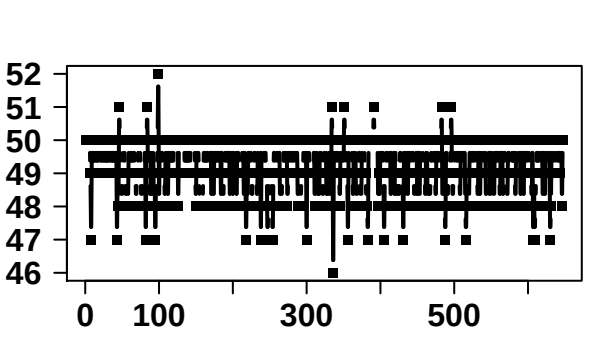

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

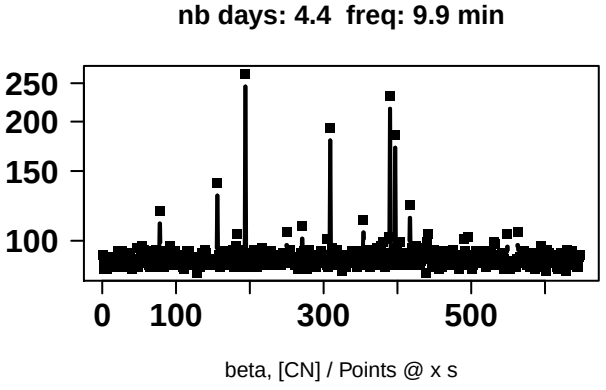

nb days: 4.4 freq: 10 min
140
130
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

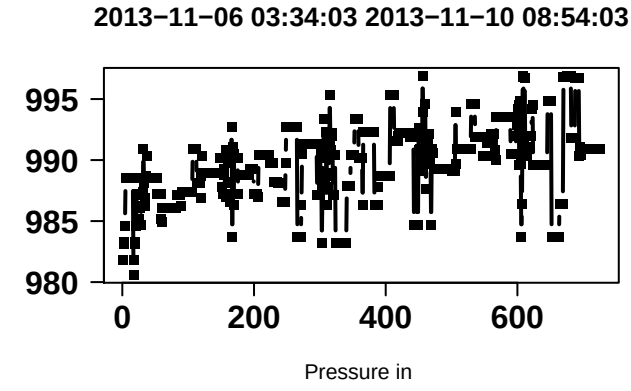

2013−10−31 23:10:02 2013−11−05 09:50:02
994
992
990
988
986
984
982
0
200
400
600
Pressure in

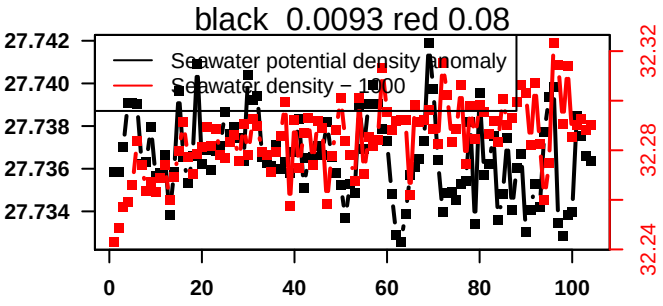

black 0.021 red 0.064
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
32.30
32.27
32.24
0
20
40
60
80
100

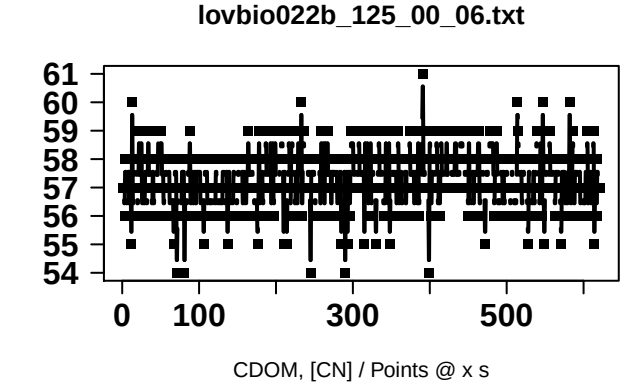

lovbio022b_124_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

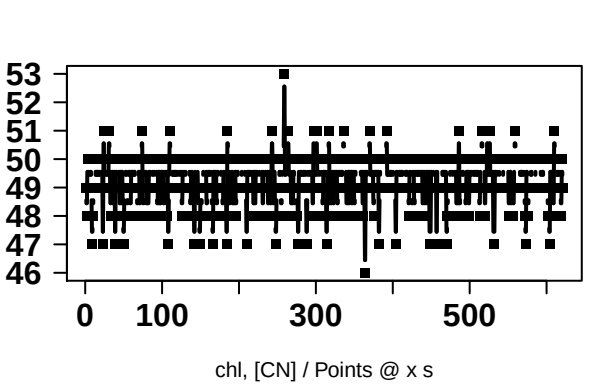

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

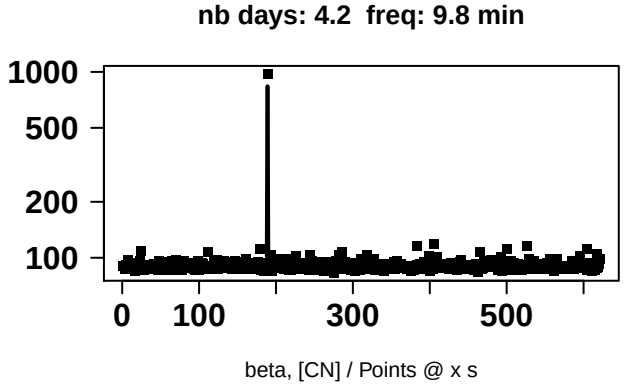

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

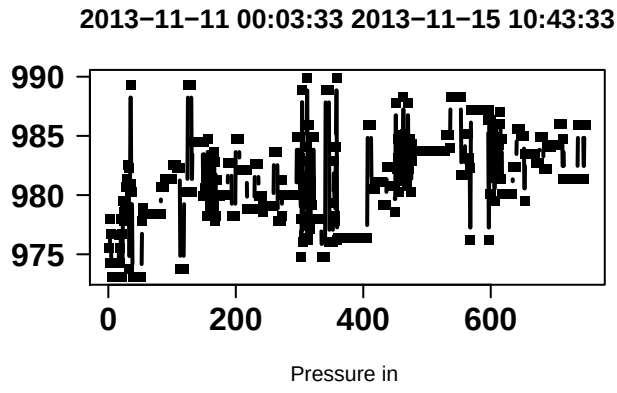

2013−11−06 03:34:03 2013−11−10 08:54:03
995
990
985
980
0
200
400
600
Pressure in

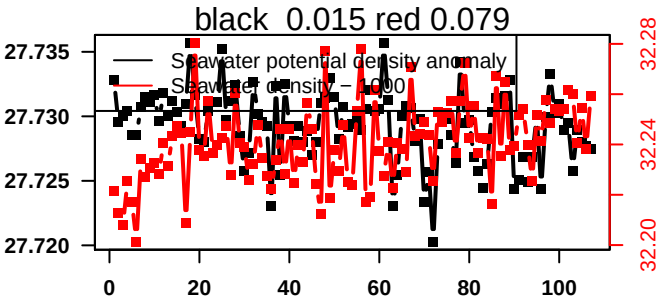

black 0.0093 red 0.08
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
32.32
32.28
32.24
0
20
40
60
80
100

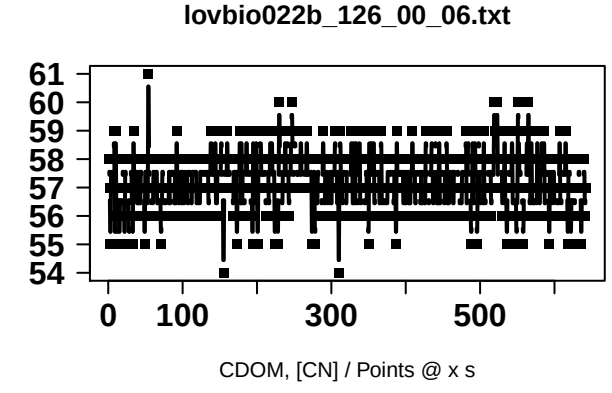

lovbio022b_125_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

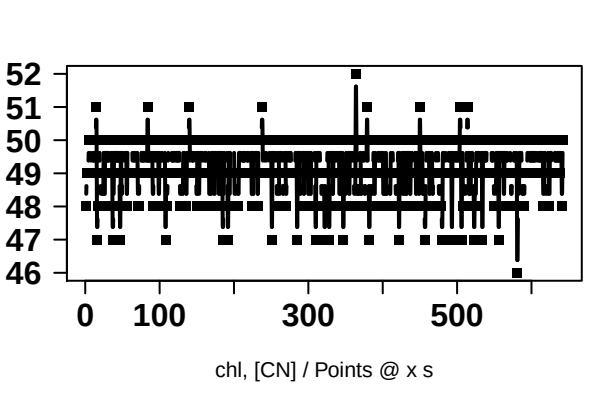

53
52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

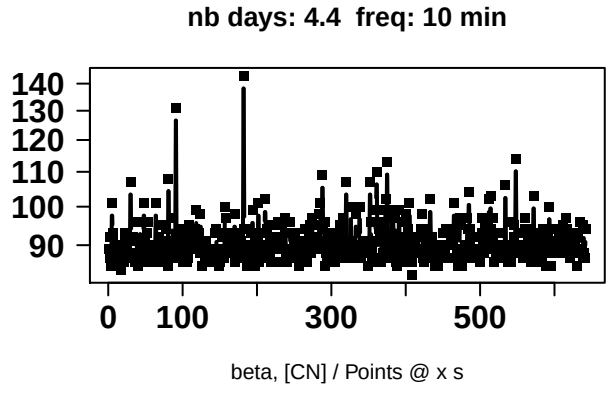

nb days: 4.2 freq: 9.8 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

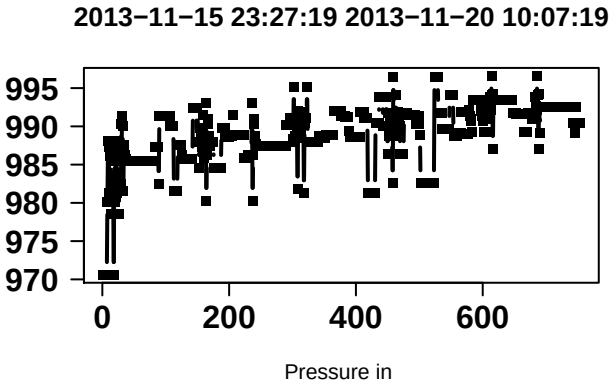

2013−11−11 00:03:33 2013−11−15 10:43:33
990
985
980
975
0
200
400
600
Pressure in

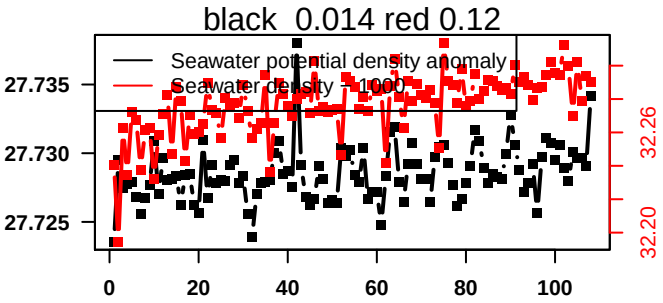

black 0.015 red 0.079
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
32.28
32.24
32.20
0
20
40
60
80
100

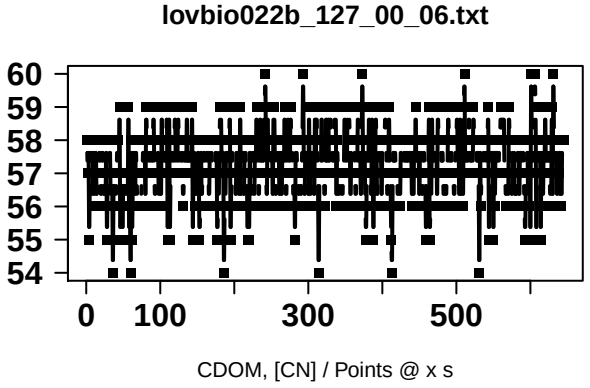

lovbio022b_126_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

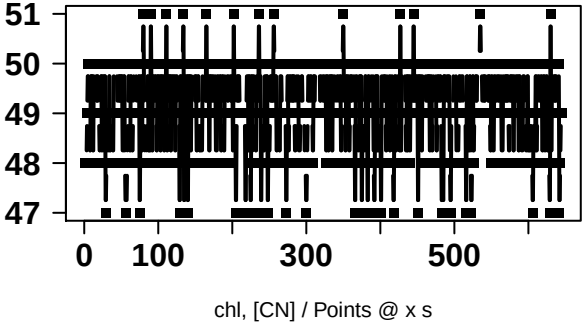

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

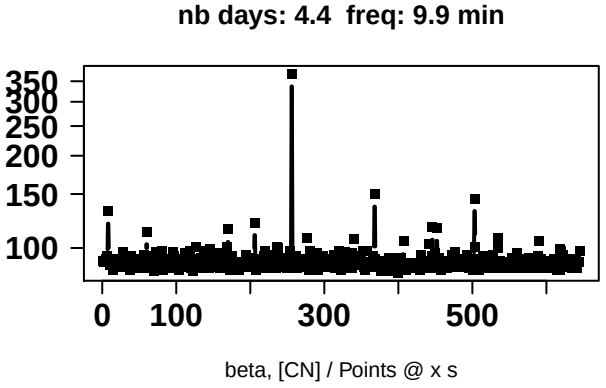

nb days: 4.4 freq: 10 min
140
130
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

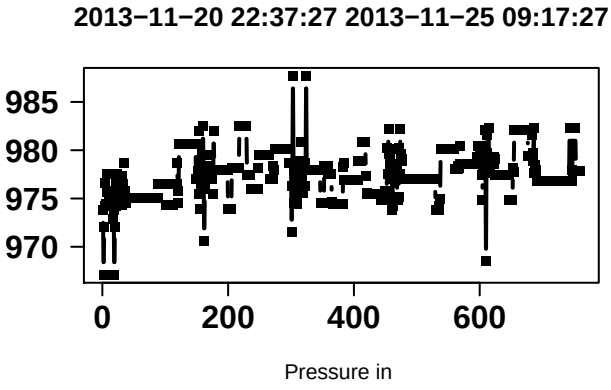

2013−11−15 23:27:19 2013−11−20 10:07:19
995
990
985
980
975
970
0
200
400
600
Pressure in

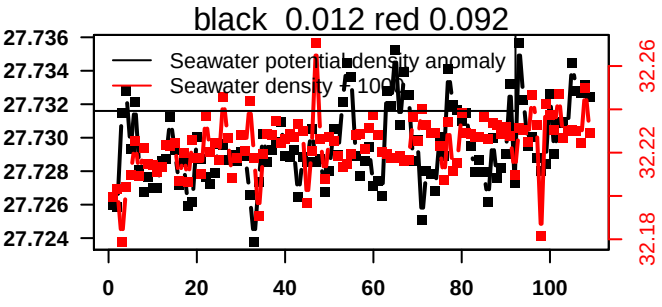

black 0.014 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
32.26
32.20
0
20
40
60
80
100

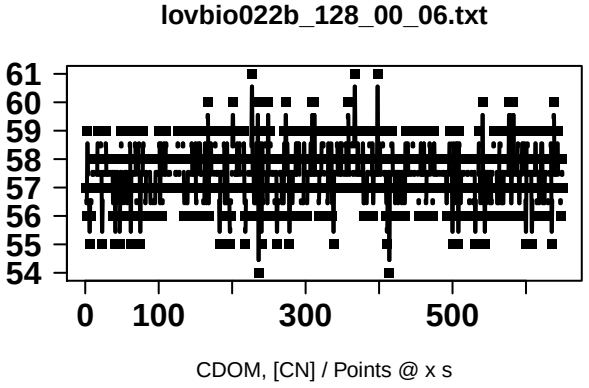

lovbio022b_127_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

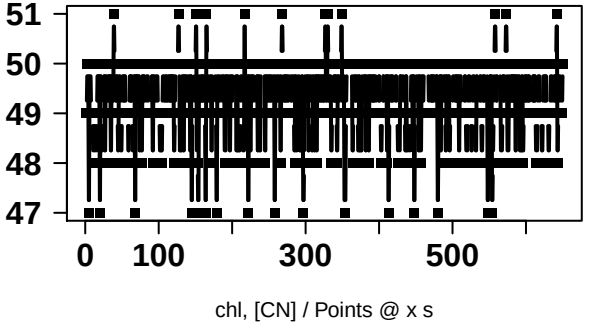

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

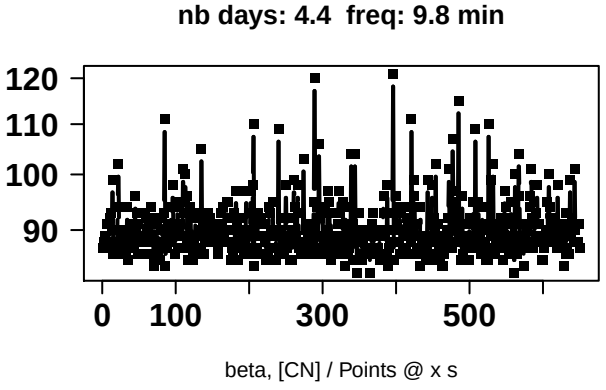

nb days: 4.4 freq: 9.9 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

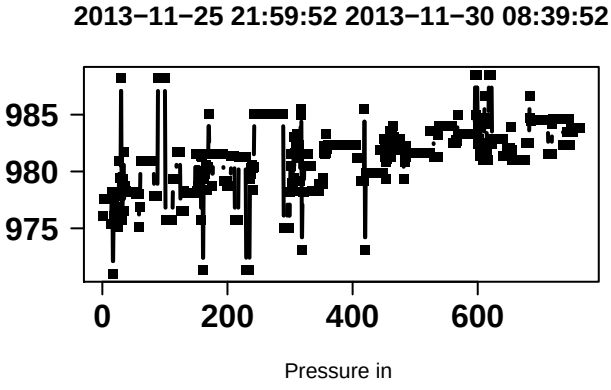

2013−11−20 22:37:27 2013−11−25 09:17:27
985
980
975
970
0
200
400
600
Pressure in

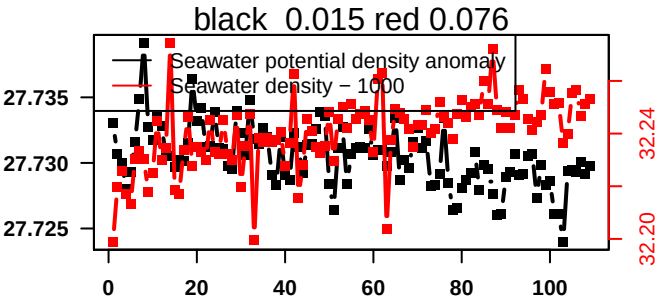

black 0.012 red 0.092
27.736
27.734
27.732
27.730
27.728
27.726
27.724
Seawater potential density anomaly
Seawater density − 1000
32.26
32.22
32.18
0
20
40
60
80
100

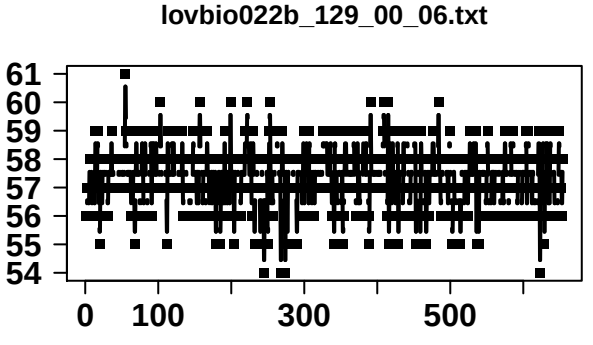

lovbio022b_128_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

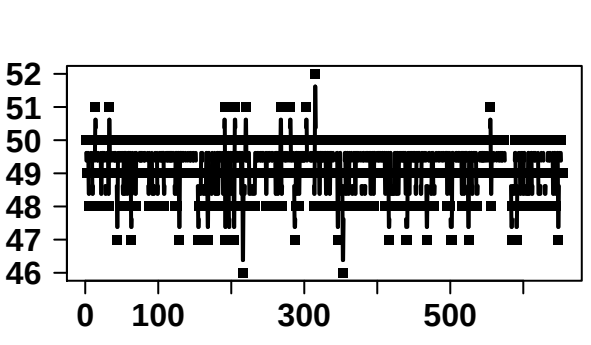

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

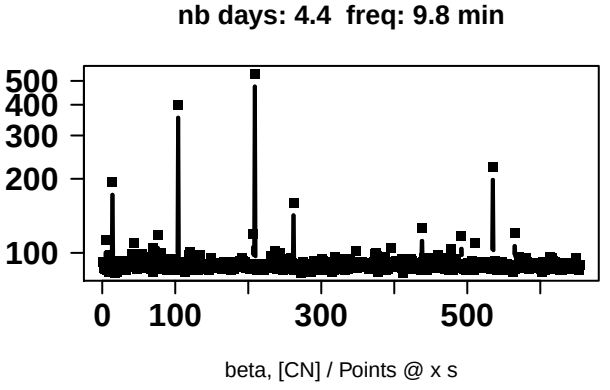

nb days: 4.4 freq: 9.8 min
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

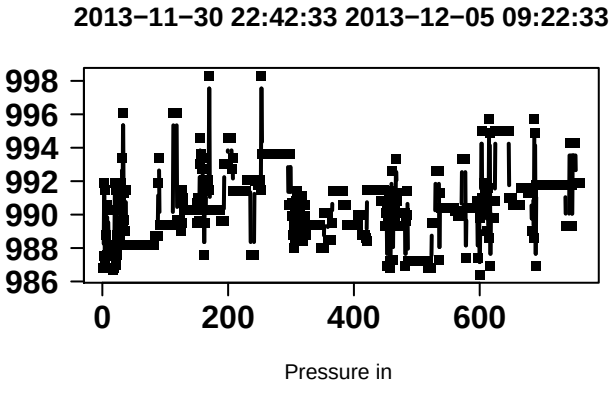

2013−11−25 21:59:52 2013−11−30 08:39:52
985
980
975
0
200
400
600
Pressure in

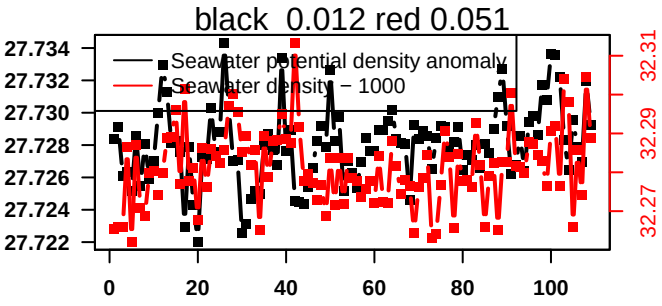

black 0.015 red 0.076
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
32.24
32.20
0
20
40
60
80
100

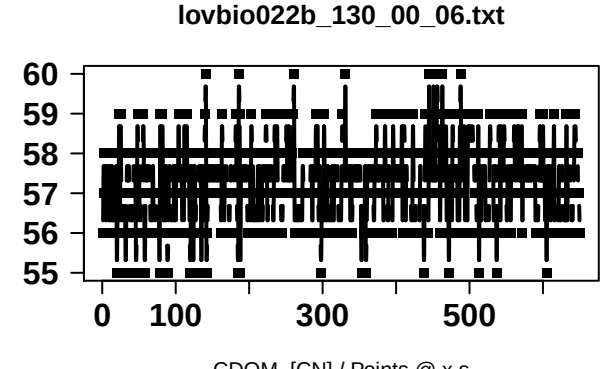

lovbio022b_129_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

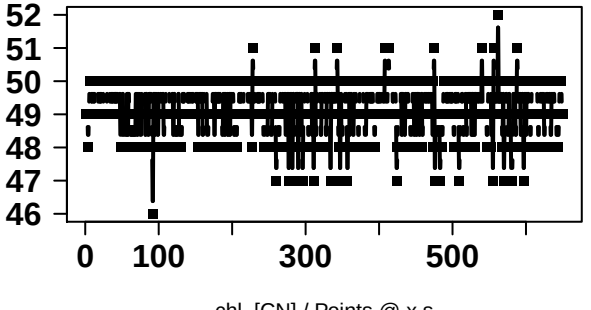

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

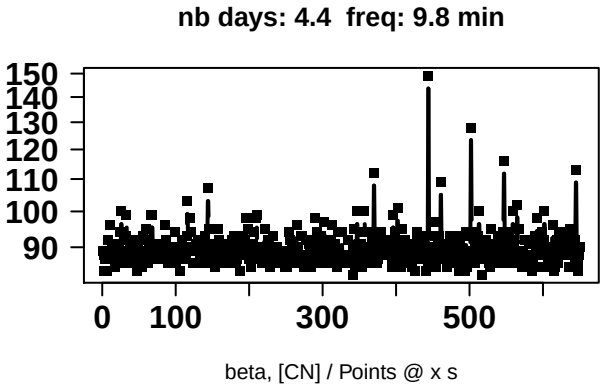

nb days: 4.4 freq: 9.8 min
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

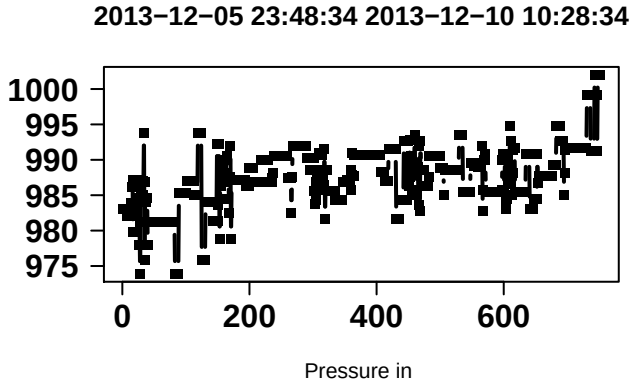

2013−11−30 22:42:33 2013−12−05 09:22:33
998
996
994
992
990
988
986
0
200
400
600
Pressure in

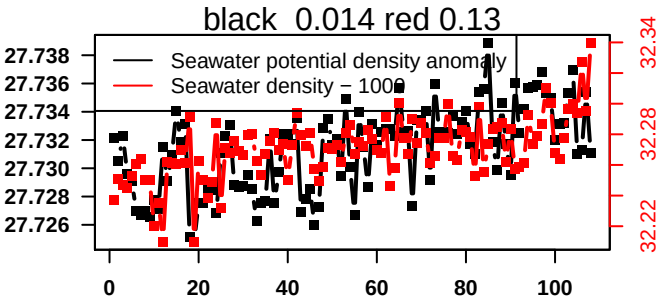

black 0.012 red 0.051
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
27.724
27.722
32.31
32.29
32.27
0
20
40
60
80
100

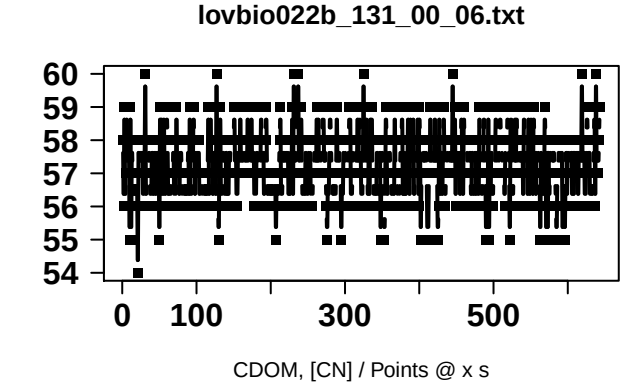

lovbio022b_130_00_06.txt
60
59
58
57
56
55
0
100
300
500
CDOM, [CN] / Points @ x s

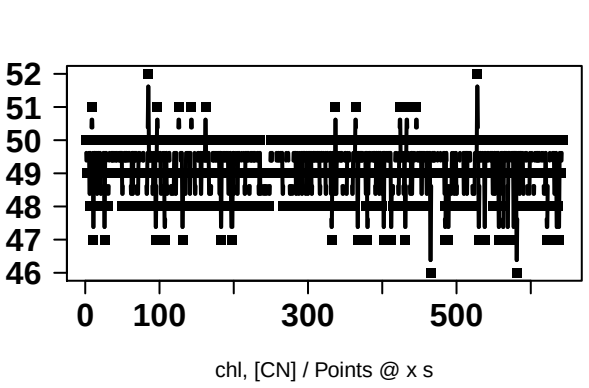

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

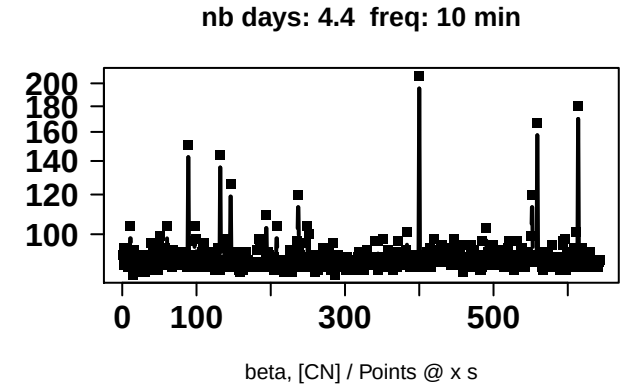

nb days: 4.4 freq: 9.8 min
150
140
130
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

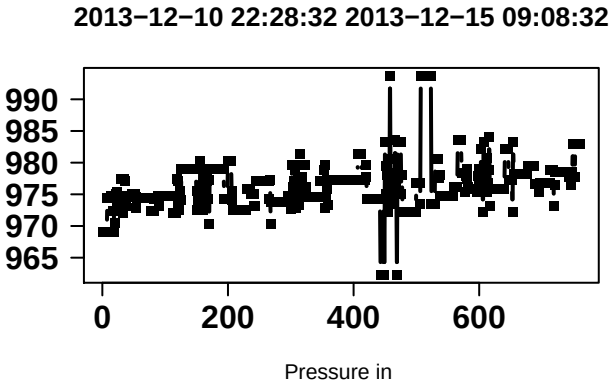

2013−12−05 23:48:34 2013−12−10 10:28:34
1000
995
990
985
980
975
0
200
400
600
Pressure in

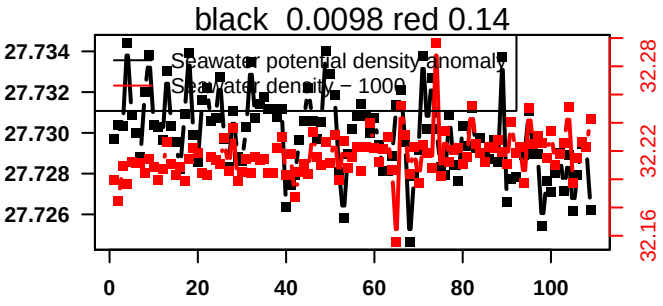

black 0.014 red 0.13
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
27.728
27.726
32.34
32.28
32.22
0
20
40
60
80
100

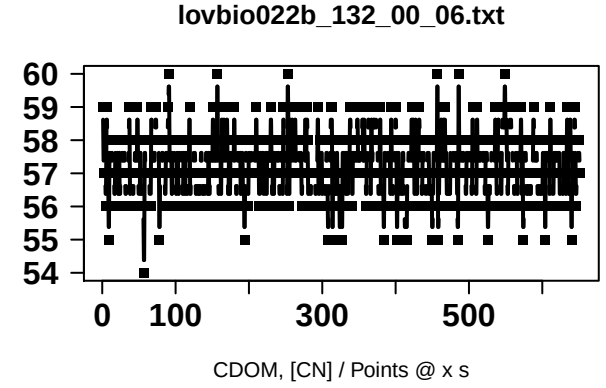

lovbio022b_131_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

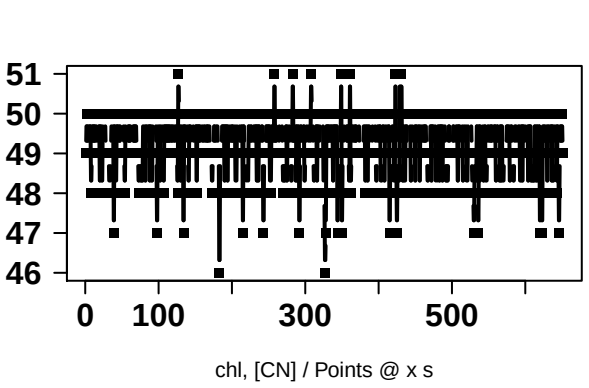

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

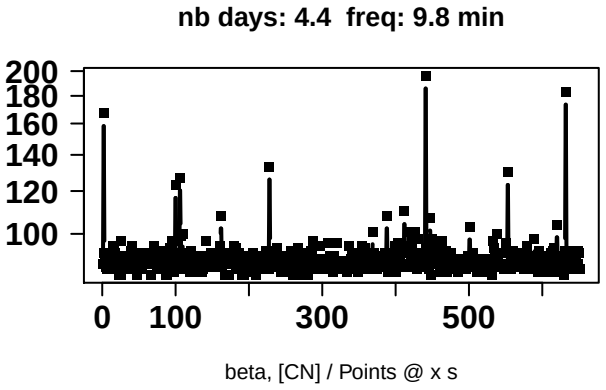

nb days: 4.4 freq: 10 min
200
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

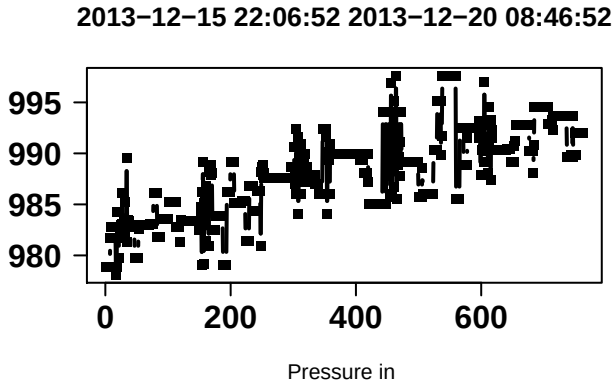

2013−12−10 22:28:32 2013−12−15 09:08:32
990
985
980
975
970
965
0
200
400
600
Pressure in

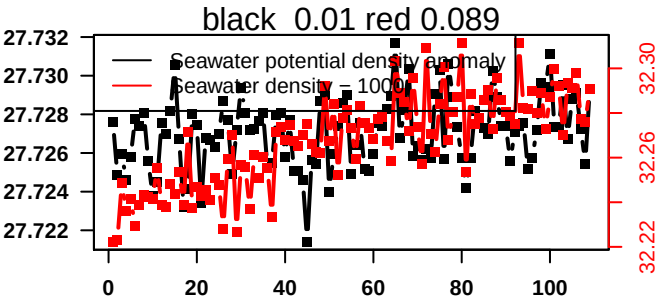

black 0.0098 red 0.14
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.28
32.22
32.16
0
20
40
60
80
100

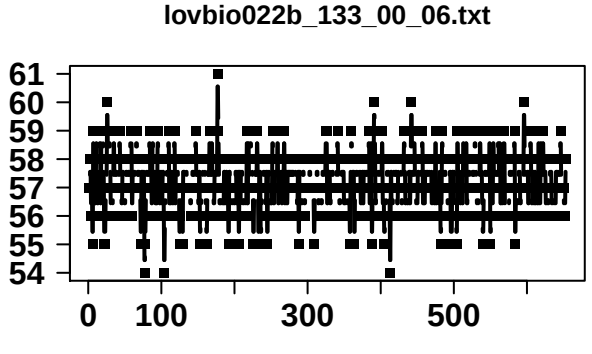

lovbio022b_132_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

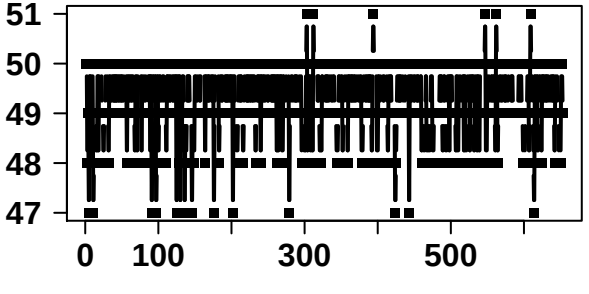

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

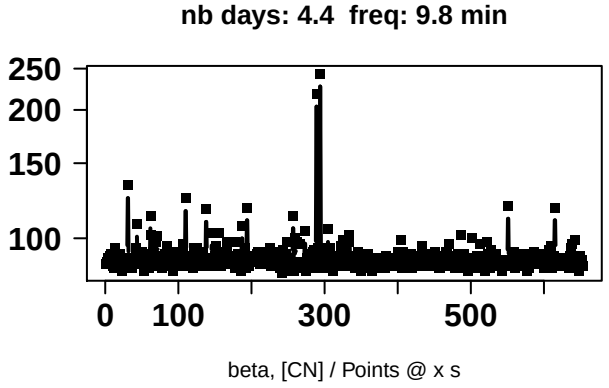

nb days: 4.4 freq: 9.8 min
200
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

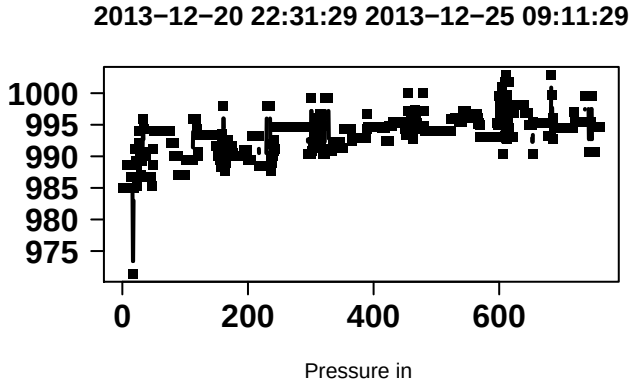

2013−12−15 22:06:52 2013−12−20 08:46:52
995
990
985
980
0
200
400
600
Pressure in

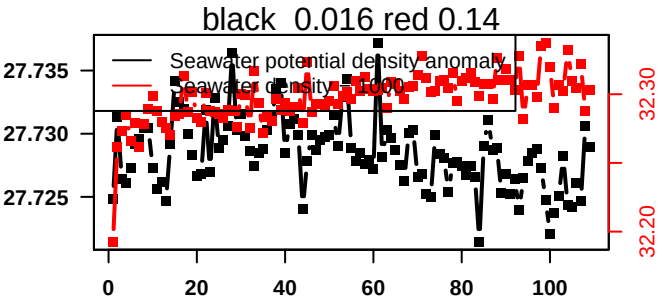

black 0.01 red 0.089
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
32.30
32.26
32.22
0
20
40
60
80
100

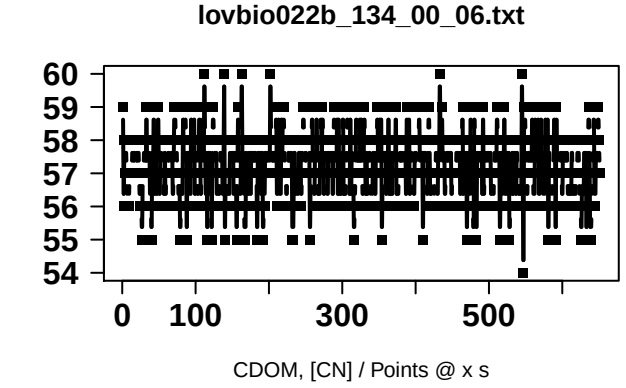

lovbio022b_133_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

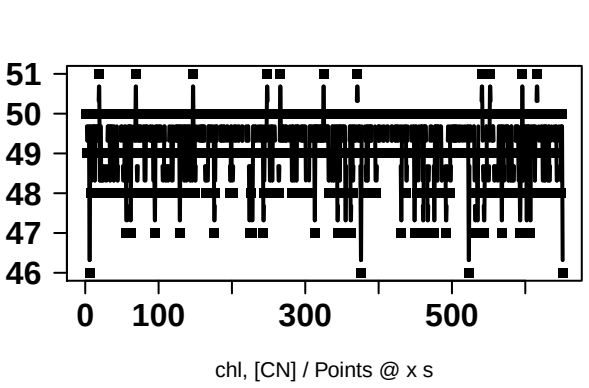

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

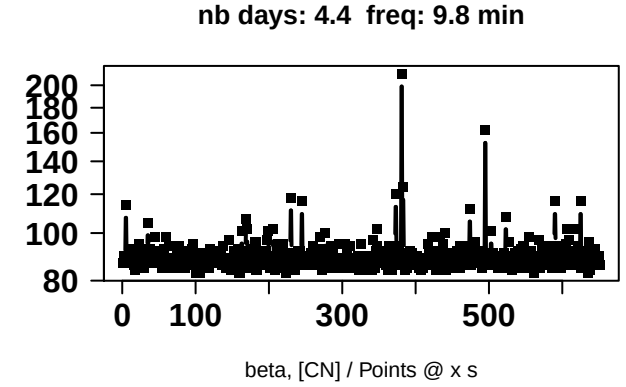

nb days: 4.4 freq: 9.8 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

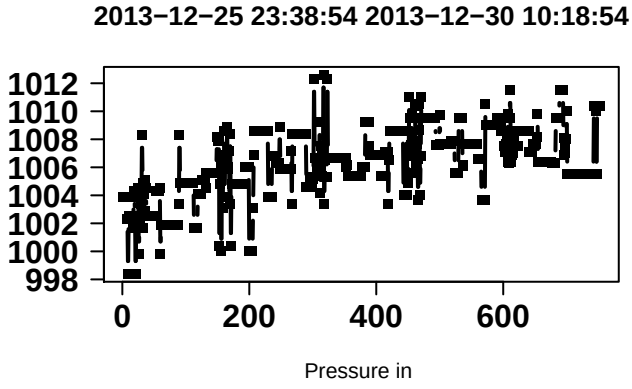

2013−12−20 22:31:29 2013−12−25 09:11:29
1000
995
990
985
980
975
0
200
400
600
Pressure in

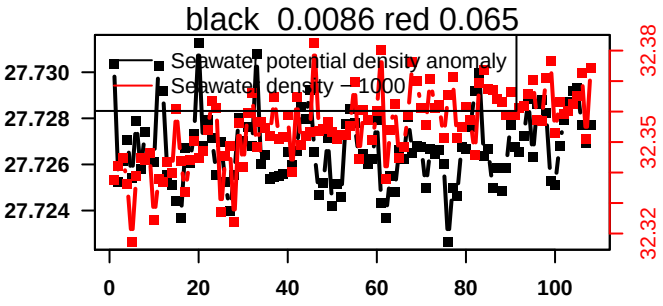

black 0.016 red 0.14
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
32.30
32.20
0
20
40
60
80
100

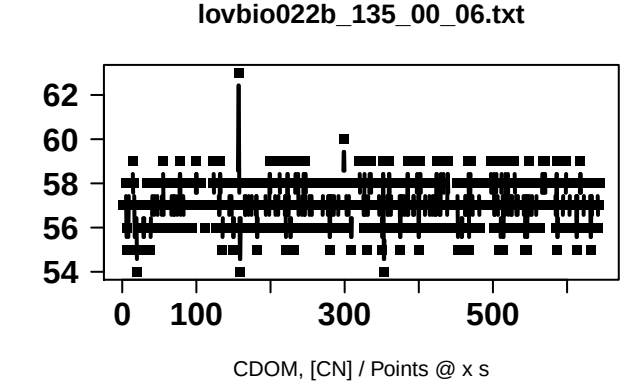

lovbio022b_134_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

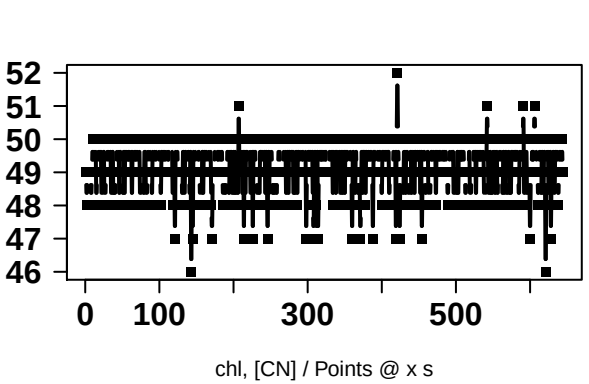

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

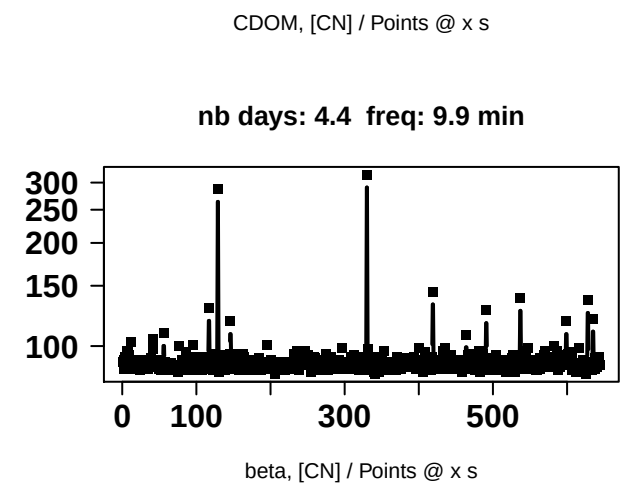

nb days: 4.4 freq: 9.8 min
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

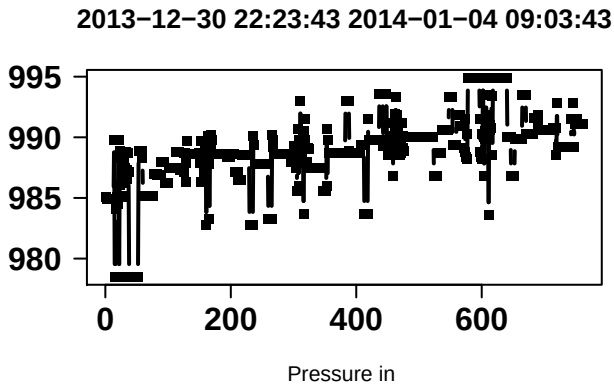

2013−12−25 23:38:54 2013−12−30 10:18:54
1012
1010
1008
1006
1004
1002
1000
998
0
200
400
600
Pressure in

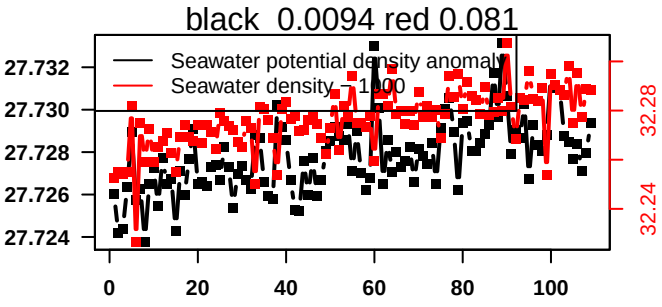

black 0.0086 red 0.065
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
32.38
32.35
32.32
0
20
40
60
80
100

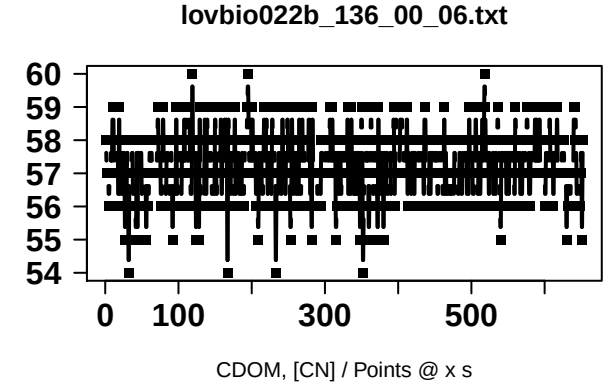

lovbio022b_135_00_06.txt
62
60
58
56
54
0
100
300
500
CDOM, [CN] / Points @ x s

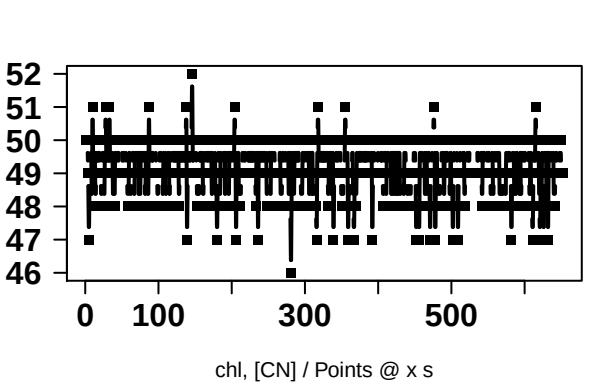

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

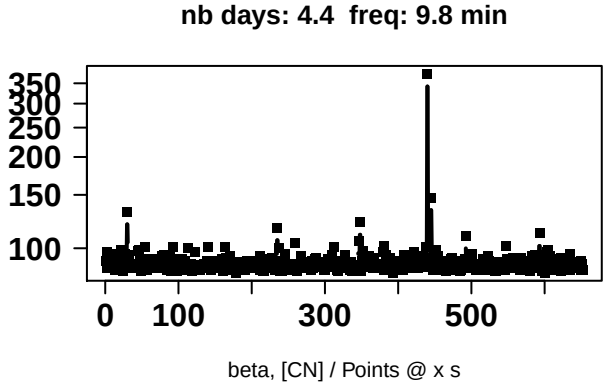

nb days: 4.4 freq: 9.9 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

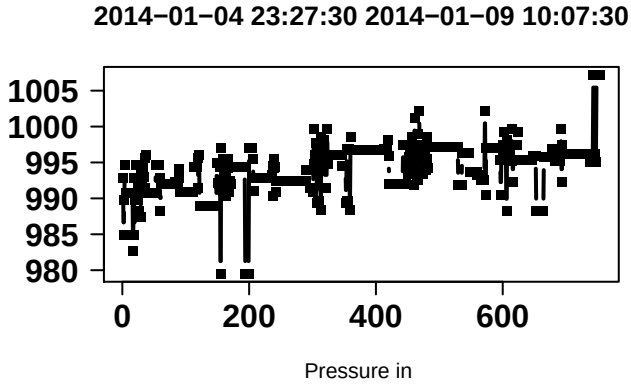

2013−12−30 22:23:43 2014−01−04 09:03:43
995
990
985
980
0
200
400
600
Pressure in

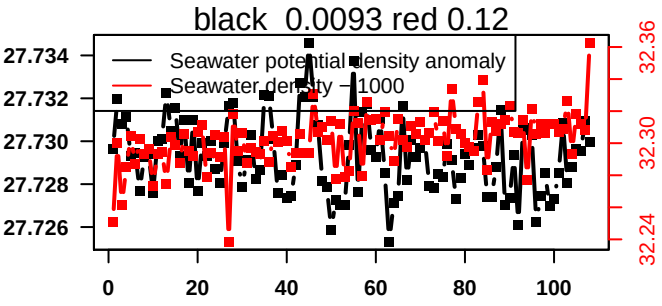

black 0.0094 red 0.081
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
32.28
32.24
0
20
40
60
80
100

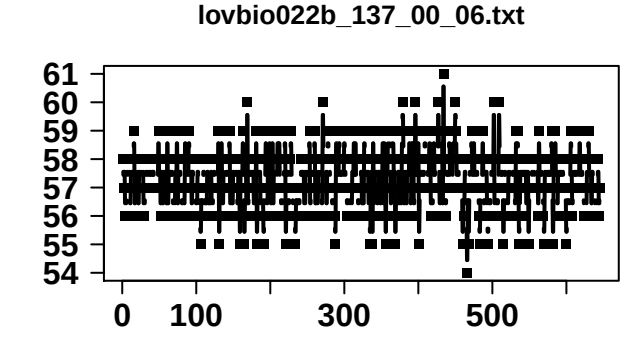

lovbio022b_136_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

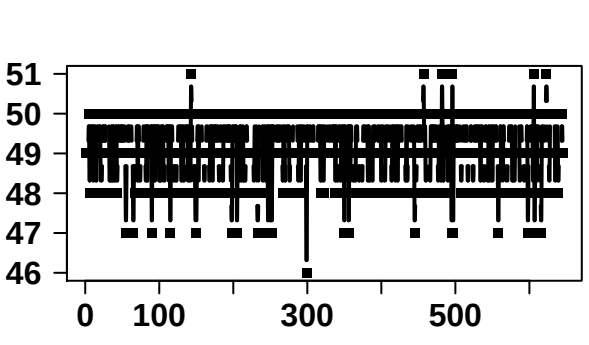

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

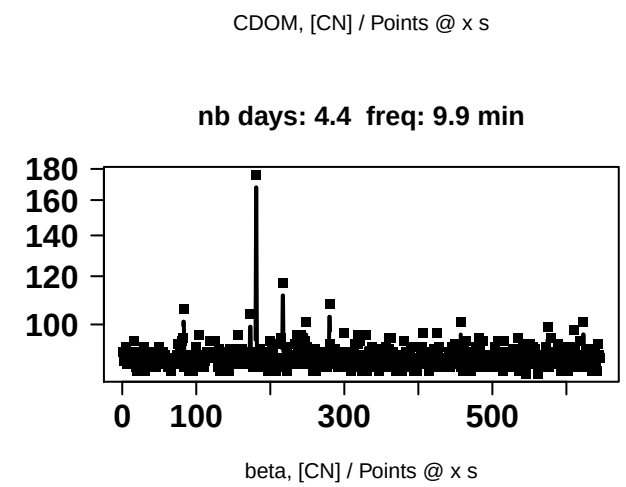

nb days: 4.4 freq: 9.8 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

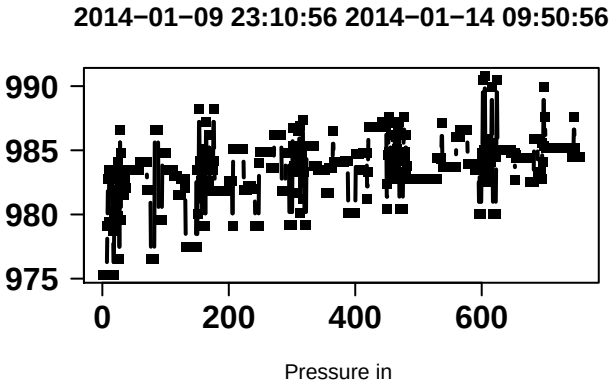

2014−01−04 23:27:30 2014−01−09 10:07:30
1005
1000
995
990
985
980
0
200
400
600
Pressure in

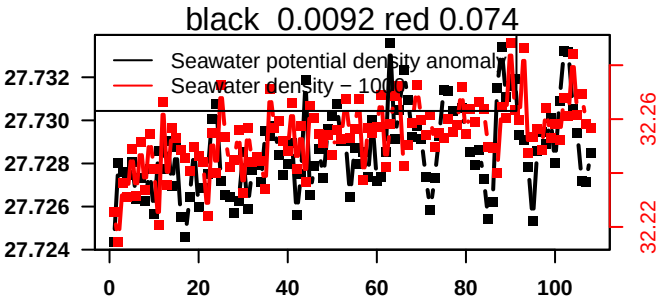

black 0.0093 red 0.12
Seawater potential density anomaly
Seawater density −1000
27.734
27.732
27.730
27.728
27.726
32.36
32.30
32.24
0
20
40
60
80
100

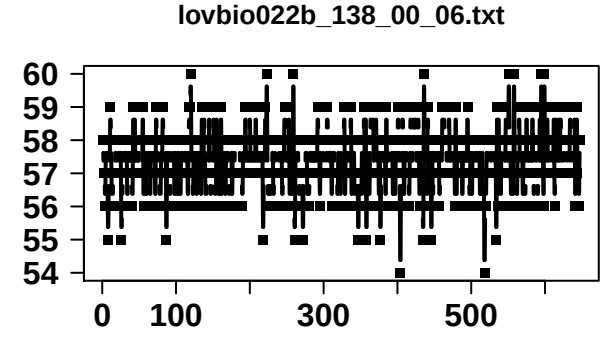

lovbio022b_137_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

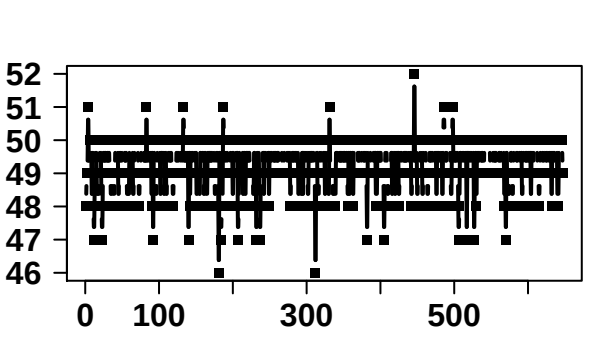

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

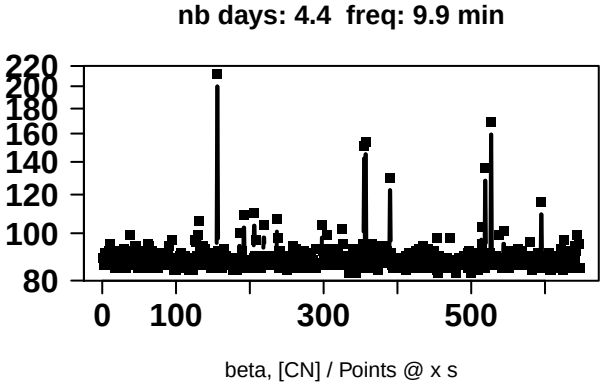

nb days: 4.4 freq: 9.9 min
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

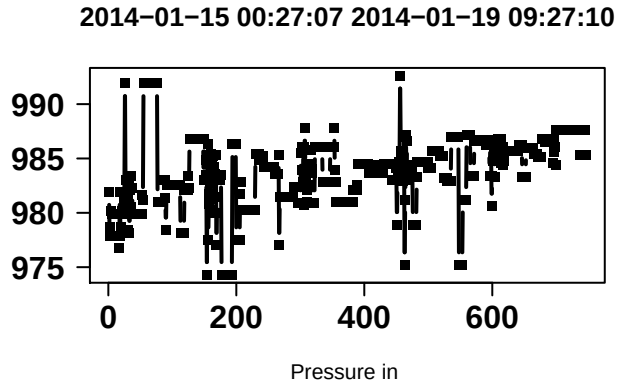

2014−01−09 23:10:56 2014−01−14 09:50:56
990
985
980
975
0
200
400
600
Pressure in

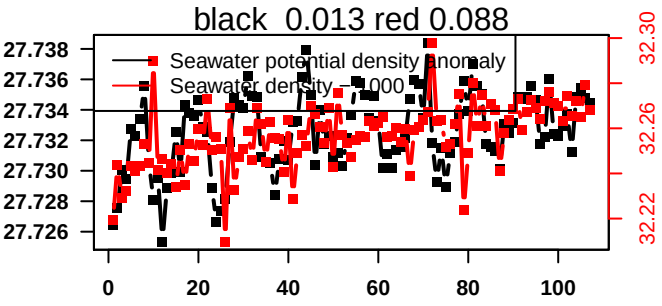

black 0.0092 red 0.074
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
32.26
32.22
0
20
40
60
80
100

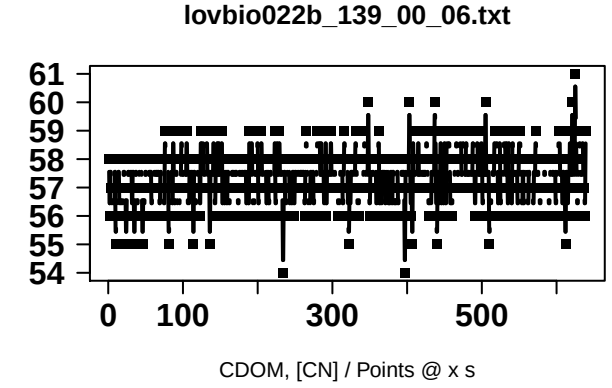

lovbio022b_138_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

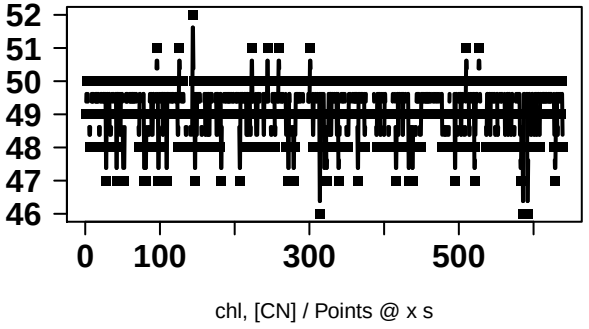

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

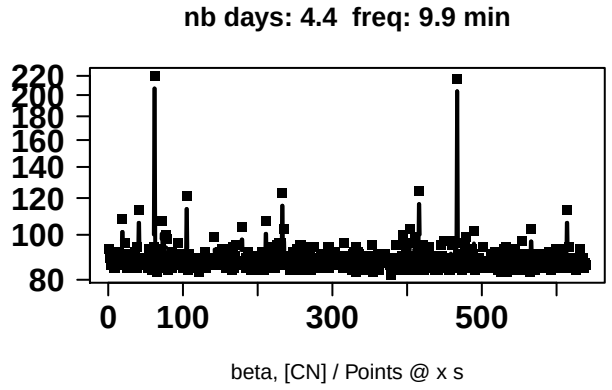

nb days: 4.4 freq: 9.9 min
220
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

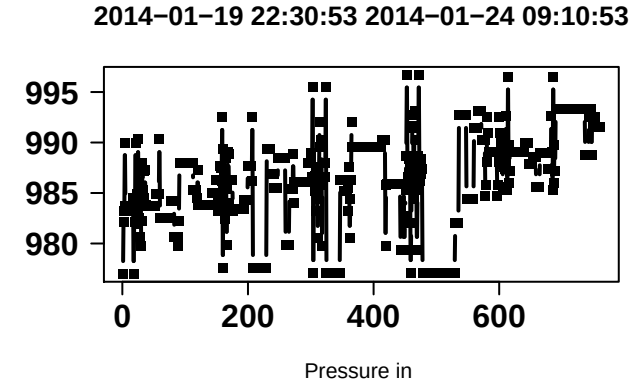

2014−01−15 00:27:07 2014−01−19 09:27:10
990
985
980
975
0
200
400
600
Pressure in

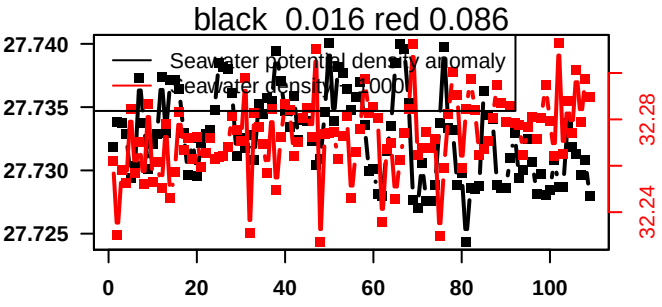

black 0.013 red 0.088
27.738
27.736
27.734
27.732
27.730
27.728
27.726
Seawater potential density anomaly
Seawater density − 1000
32.30
32.26
32.22
0
20
40
60
80
100

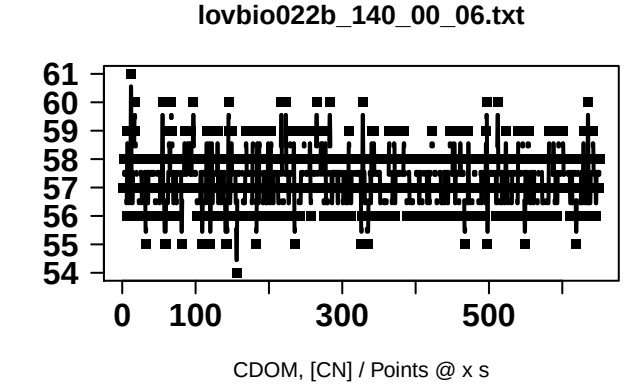

lovbio022b_139_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

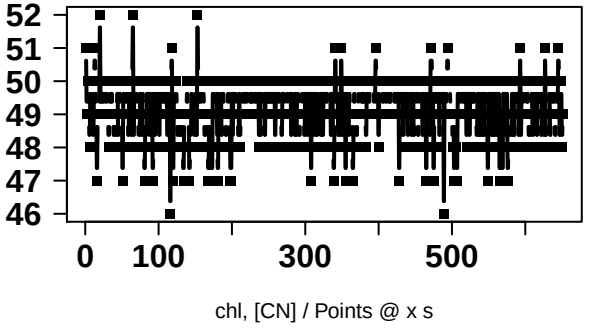

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

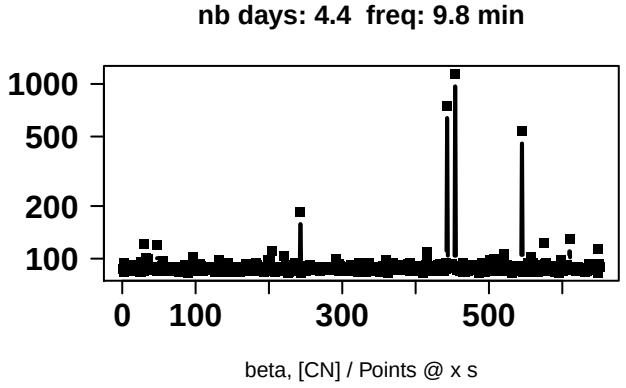

nb days: 4.4 freq: 9.9 min
220
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

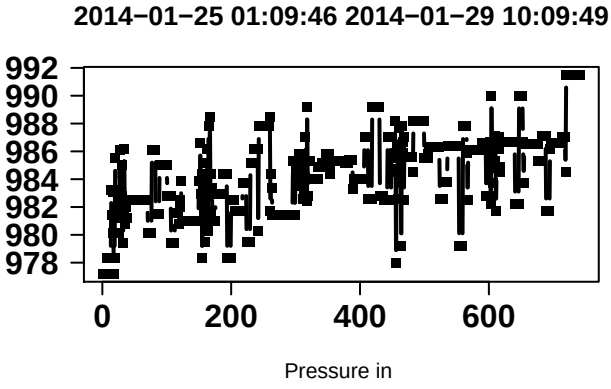

2014−01−19 22:30:53 2014−01−24 09:10:53
995
990
985
980
0
200
400
600
Pressure in

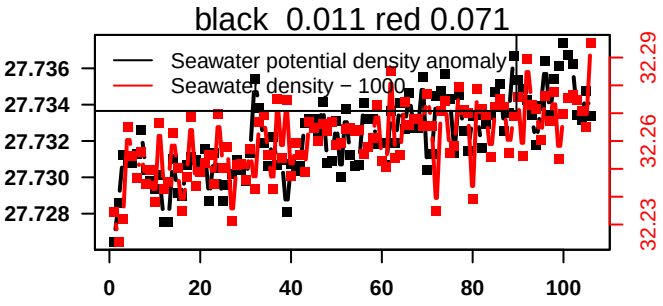

black 0.016 red 0.086
Seawater potential density anomaly
Seawater density (T90)
27.740
27.735
27.730
27.725
32.28
32.24
0
20
40
60
80
100

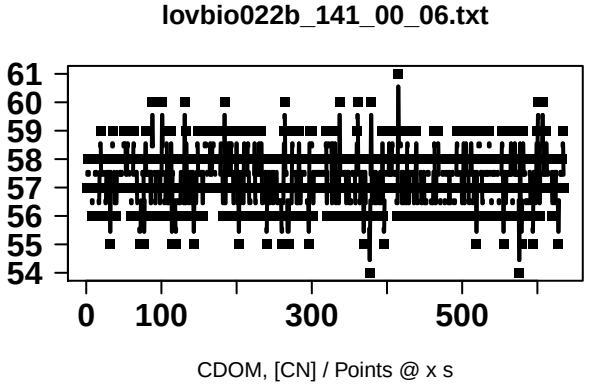

lovbio022b_140_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

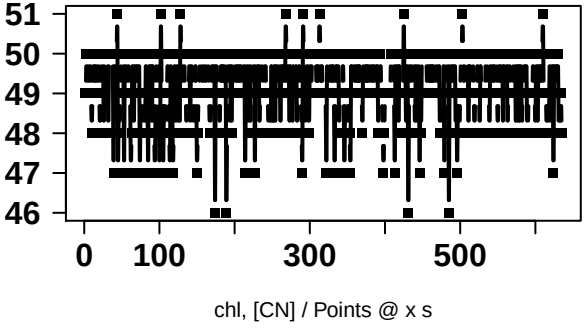

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

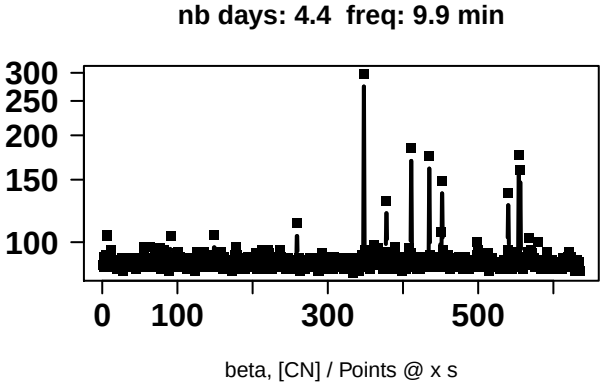

nb days: 4.4 freq: 9.8 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

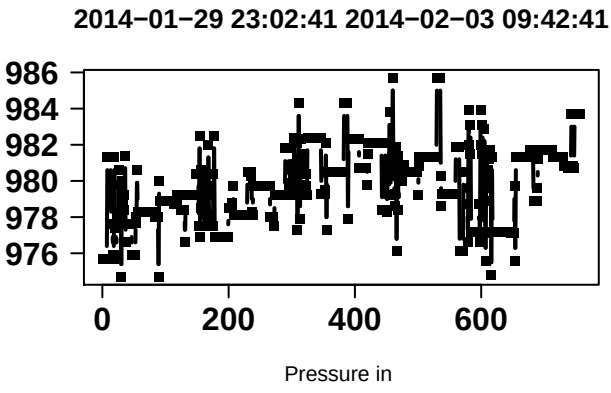

2014−01−25 01:09:46 2014−01−29 10:09:49
992
990
988
986
984
982
980
978
0
200
400
600
Pressure in

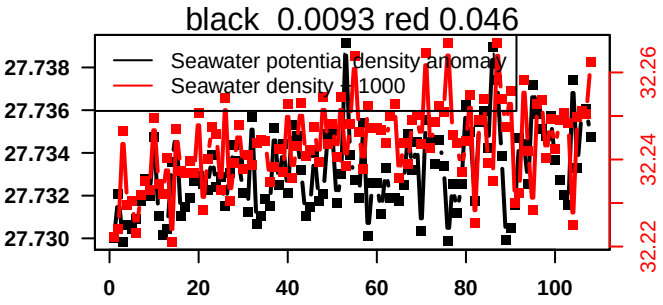

black 0.011 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
32.29
32.26
32.23
0
20
40
60
80
100

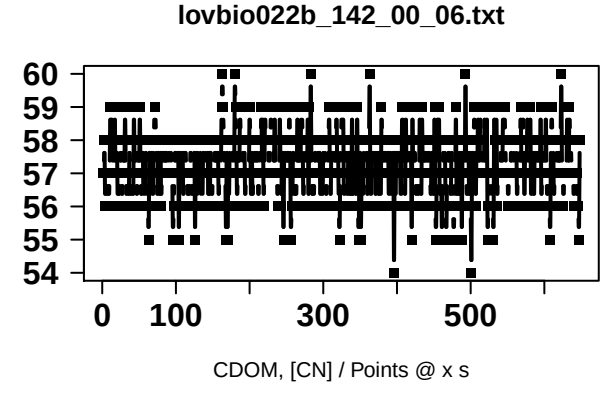

lovbio022b_141_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

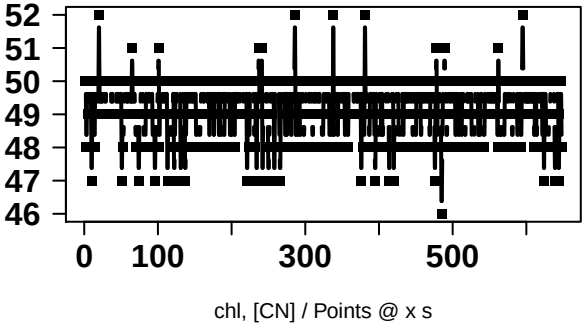

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

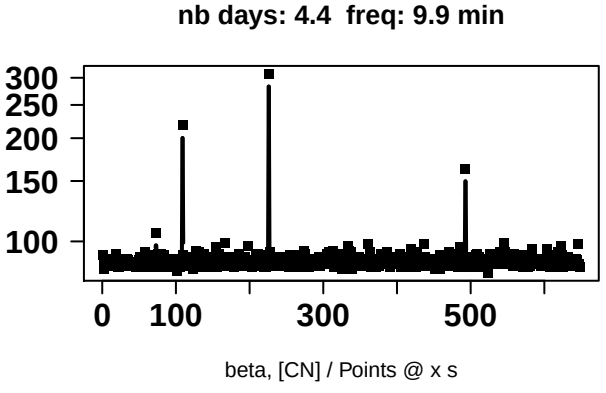

nb days: 4.4 freq: 9.9 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

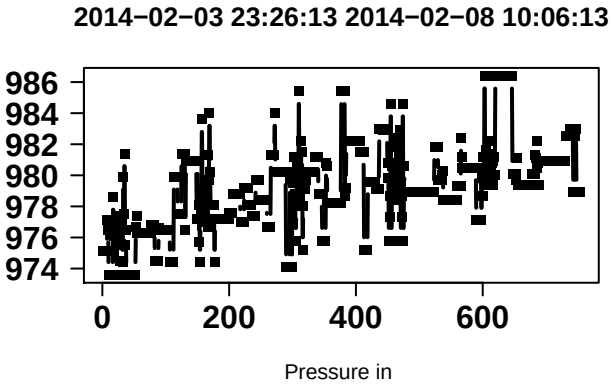

2014−01−29 23:02:41 2014−02−03 09:42:41
986
984
982
980
978
976
0
200
400
600
Pressure in

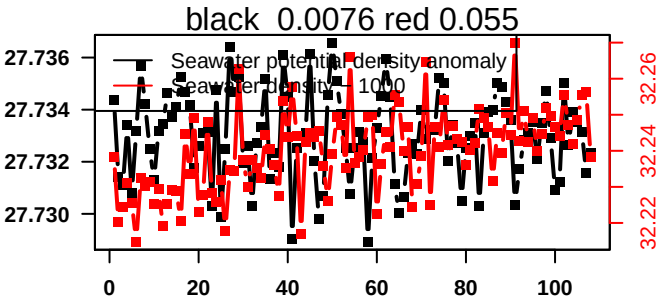

black 0.0093 red 0.046
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.26
32.24
32.22
0
20
40
60
80
100

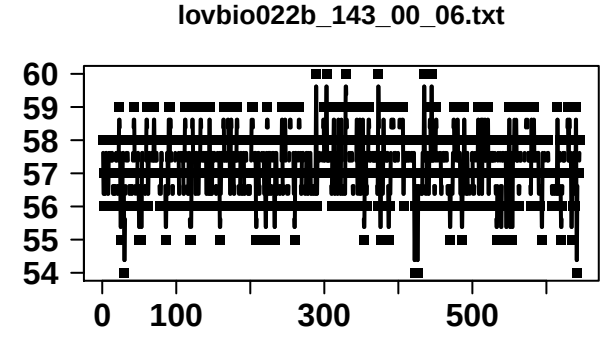

lovbio022b_142_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

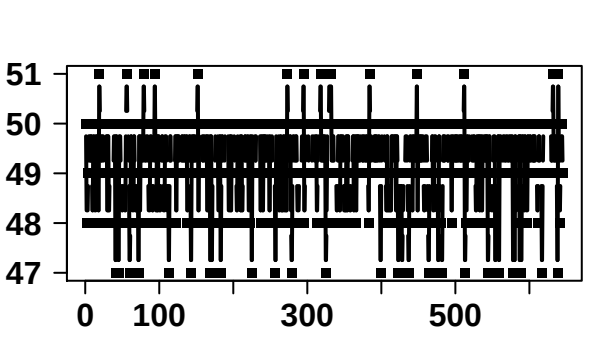

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

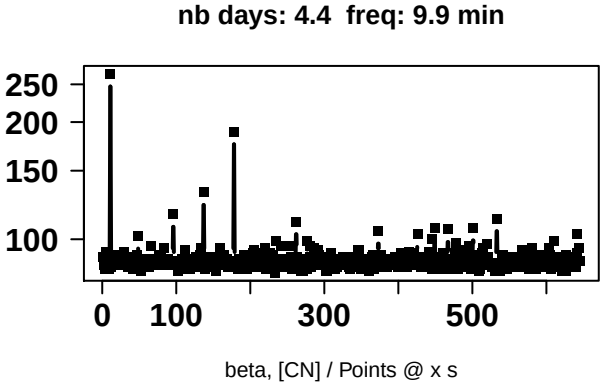

nb days: 4.4 freq: 9.9 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

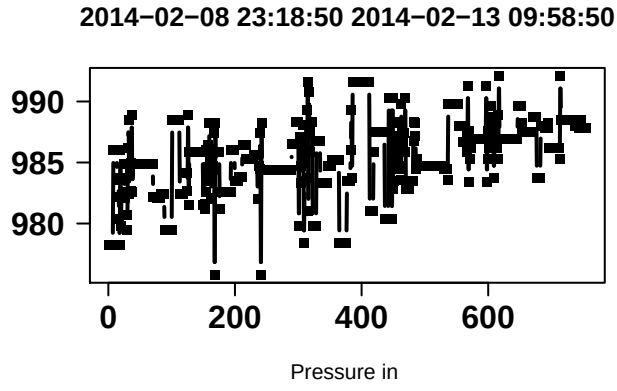

2014−02−03 23:26:13 2014−02−08 10:06:13
986
984
982
980
978
976
974
0
200
400
600
Pressure in

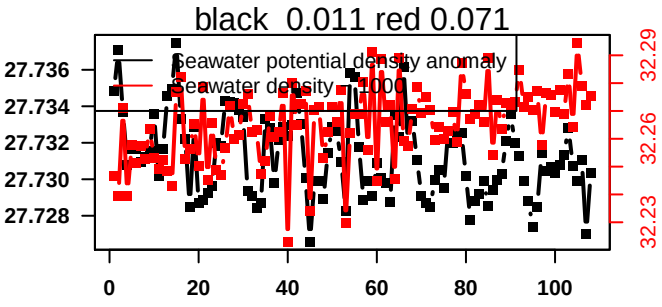

black 0.0076 red 0.055
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
32.26
32.24
32.22
0
20
40
60
80
100

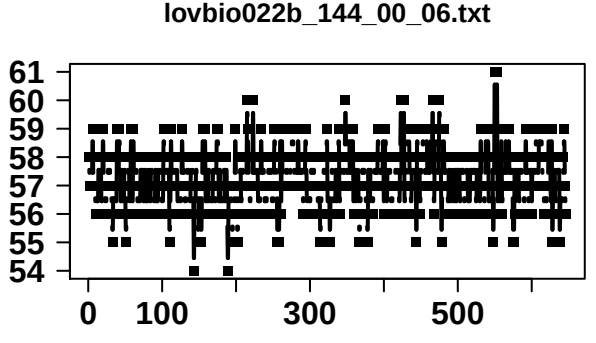

lovbio022b_143_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

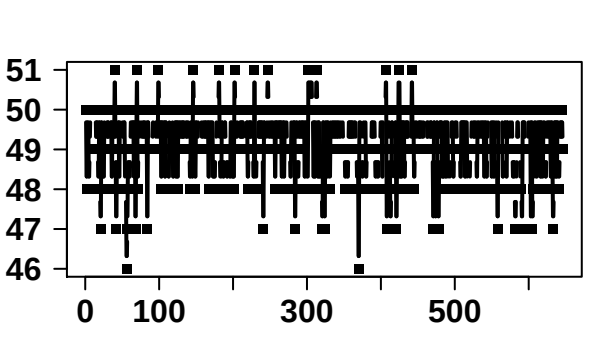

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

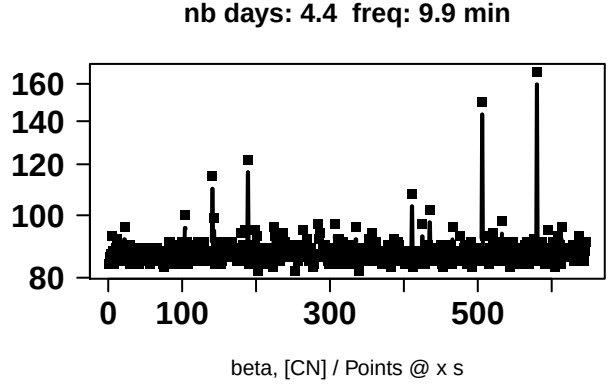

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

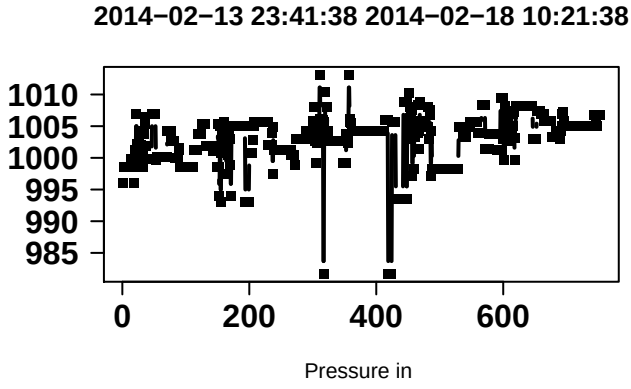

2014−02−08 23:18:50 2014−02−13 09:58:50
990
985
980
0
200
400
600
Pressure in

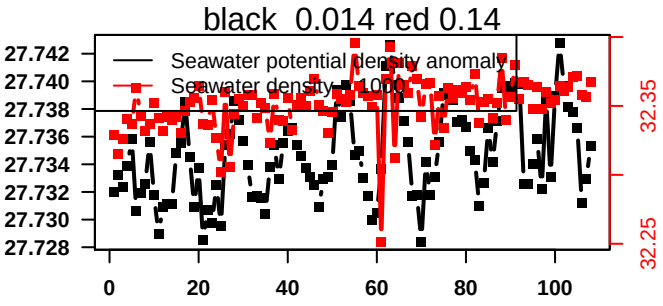

black 0.011 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
32.29
32.26
32.23
0
20
40
60
80
100

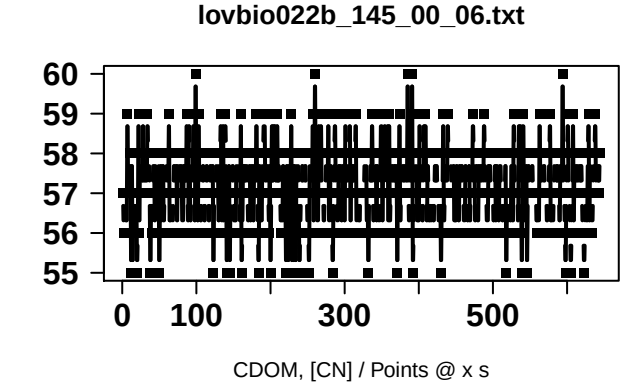

lovbio022b_144_00_06.txt
61
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

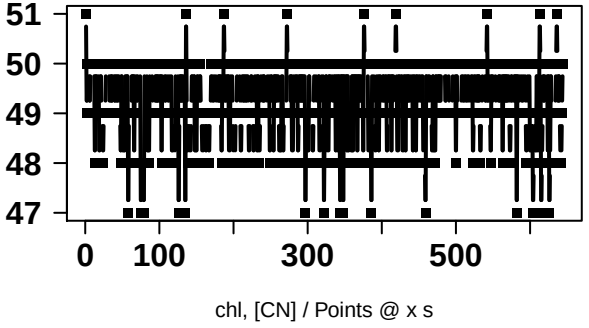

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

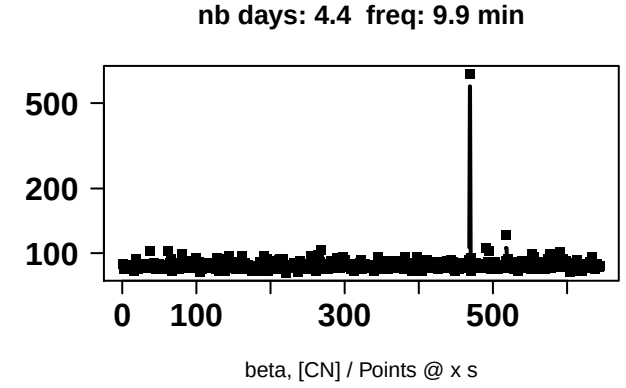

nb days: 4.4 freq: 9.9 min
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

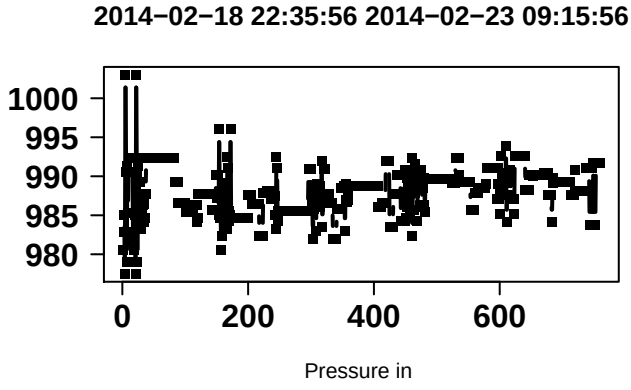

2014−02−13 23:41:38 2014−02−18 10:21:38
1010
1005
1000
995
990
985
0
200
400
600
Pressure in

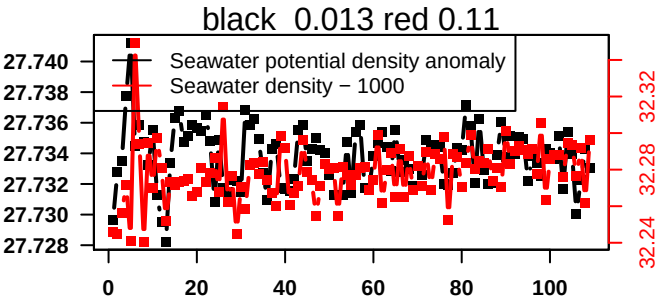

black 0.014 red 0.14
Seawater potential density anomaly
Seawater density −1000
27.742
27.740
27.738
27.736
27.734
27.732
27.730
27.728
32.35
32.25
0
20
40
60
80
100

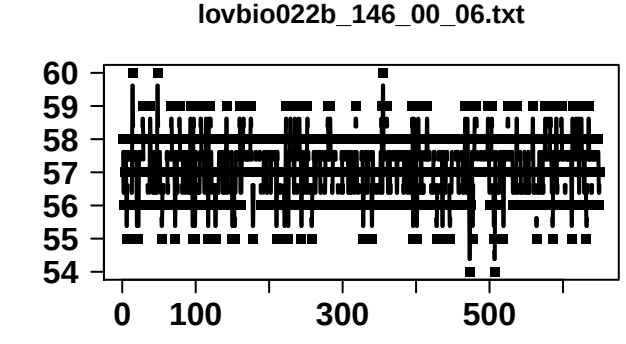

lovbio022b_145_00_06.txt
60
59
58
57
56
55
0
100
300
500
CDOM, [CN] / Points @ x s

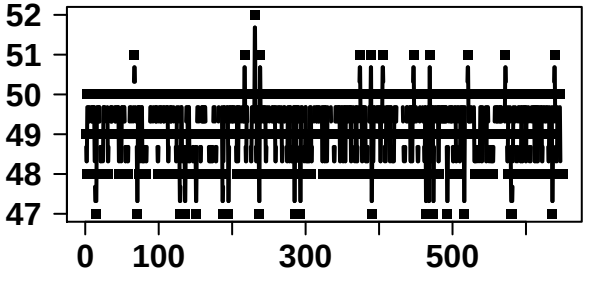

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

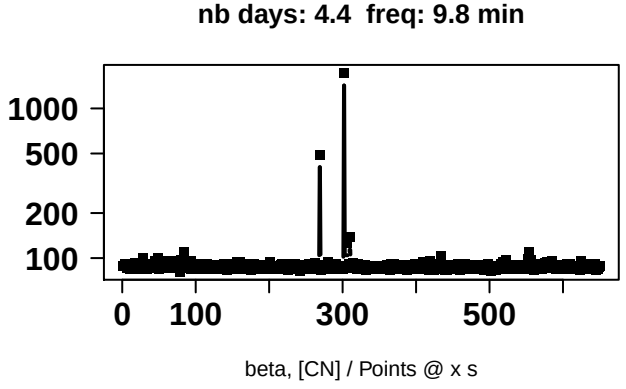

nb days: 4.4 freq: 9.9 min
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

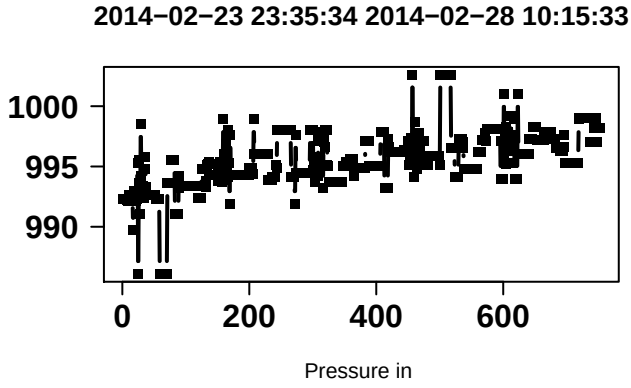

2014−02−18 22:35:56 2014−02−23 09:15:56
1000
995
990
985
980
0
200
400
600
Pressure in

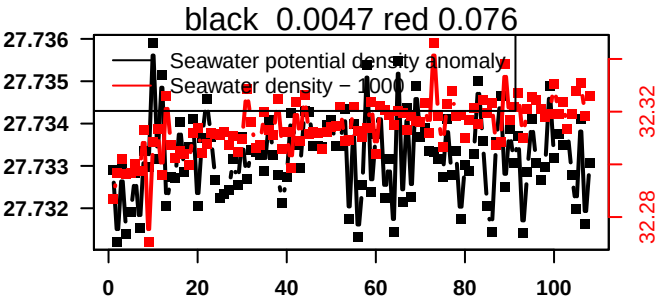

black 0.013 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
27.730
27.728
0
20
40
60
80
100
32.32
32.28
32.24

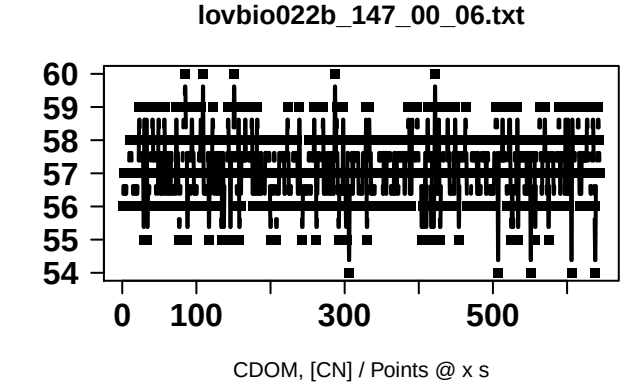

lovbio022b_146_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

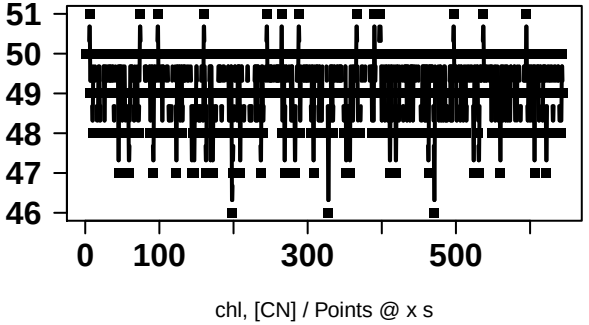

52
51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

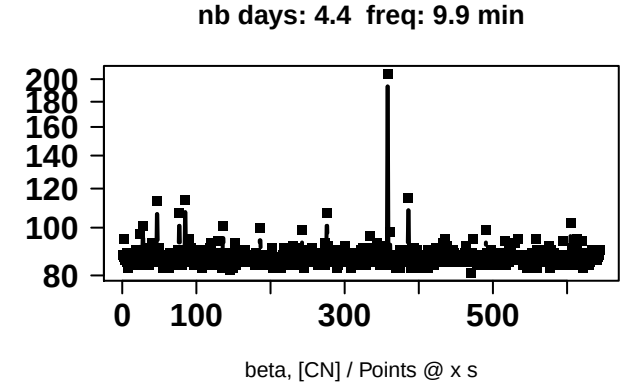

nb days: 4.4 freq: 9.8 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

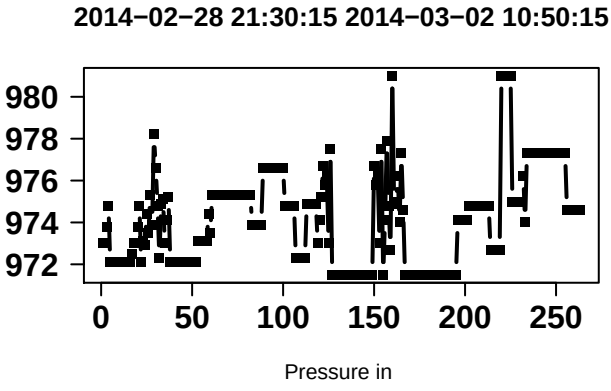

2014−02−23 23:35:34 2014−02−28 10:15:33
1000
995
990
0
200
400
600
Pressure in

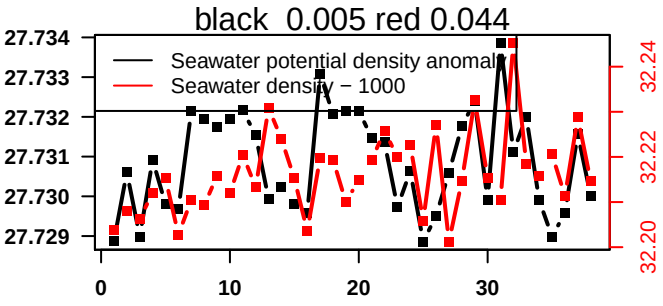

black 0.0047 red 0.076
27.736
27.735
27.734
27.733
27.732
Seawater potential density anomaly
Seawater density − 1000
32.32
32.28
0
20
40
60
80
100

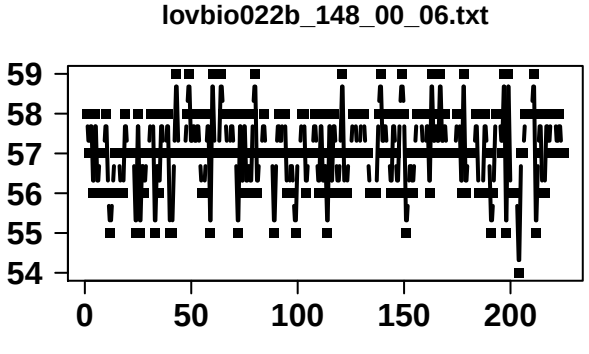

lovbio022b_147_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

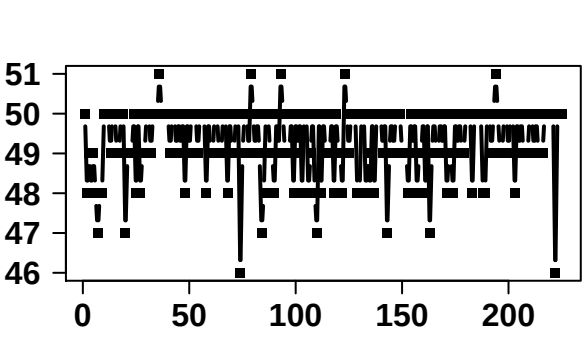

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

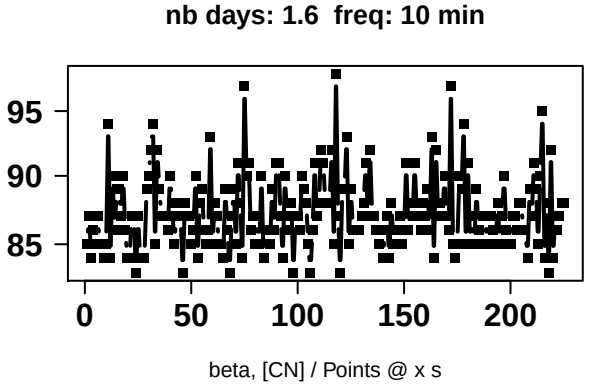

nb days: 4.4 freq: 9.9 min
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

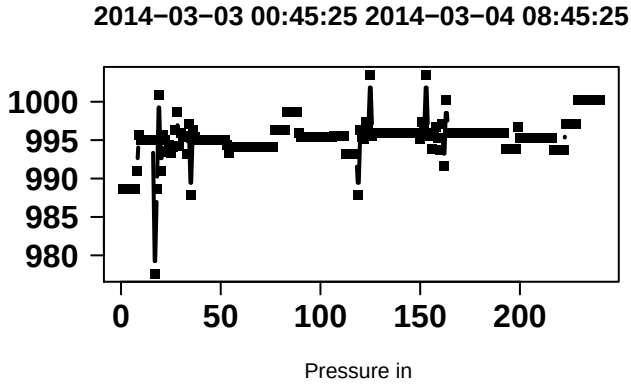

2014−02−28 21:30:15 2014−03−02 10:50:15
980
978
976
974
972
0
50
100
150
200
250
Pressure in

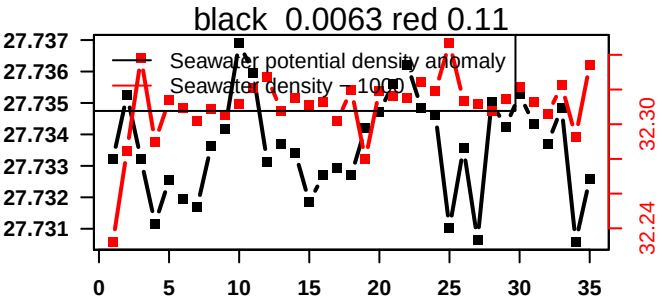

black 0.005 red 0.044
Seawater potential density anomaly
Seawater density − 1000
27.734
27.733
27.732
27.731
27.730
27.729
32.24
32.22
32.20
0
10
20
30

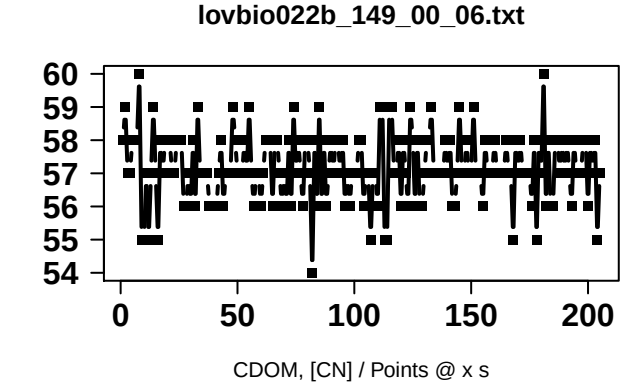

lovbio022b_148_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

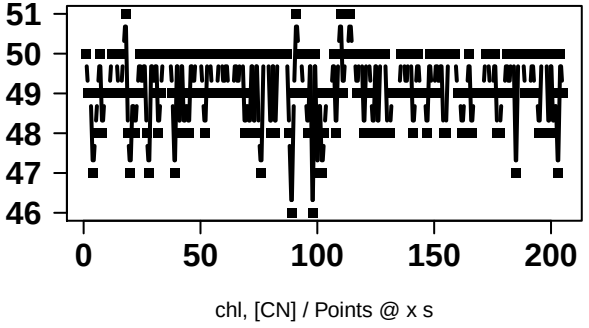

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

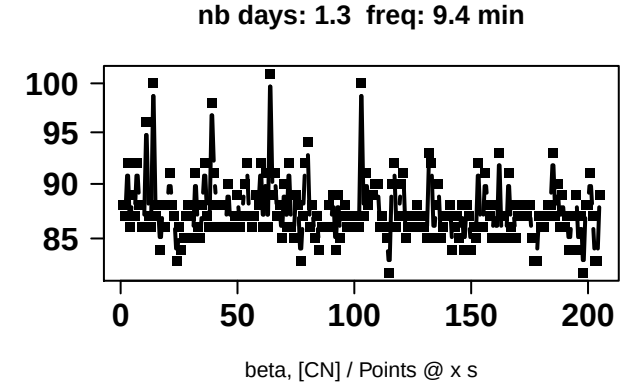

nb days: 1.6 freq: 10 min
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

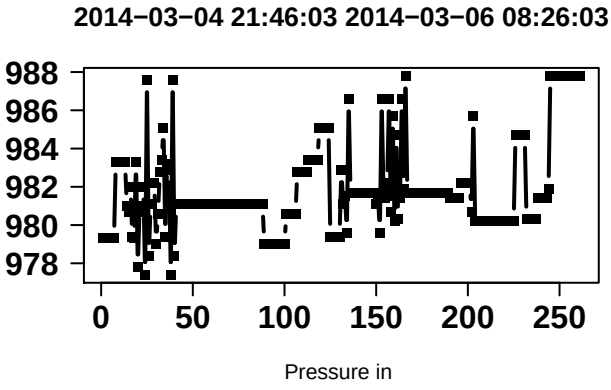

2014−03−03 00:45:25 2014−03−04 08:45:25
1000
995
990
985
980
0
50
100
150
200
Pressure in

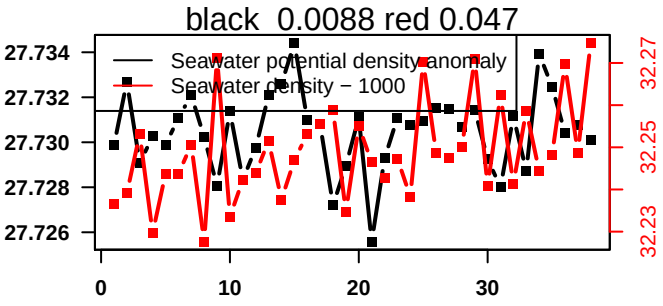

black 0.0063 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.737
27.736
27.735
27.734
27.733
27.732
27.731
32.30
32.24
0
5
10
15
20
25
30
35

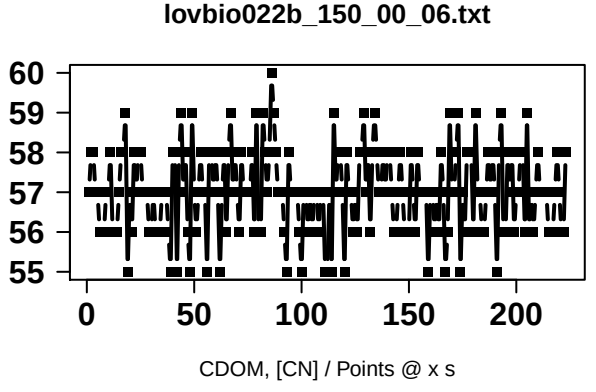

lovbio022b_149_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

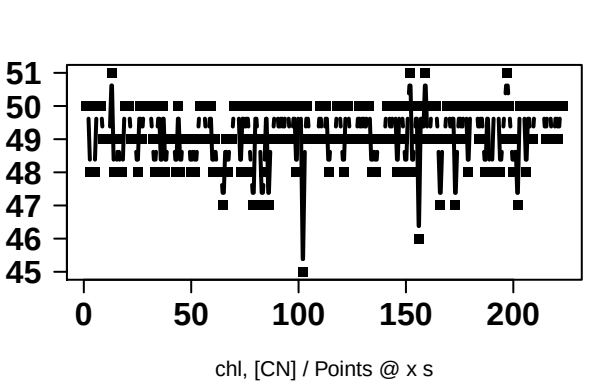

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

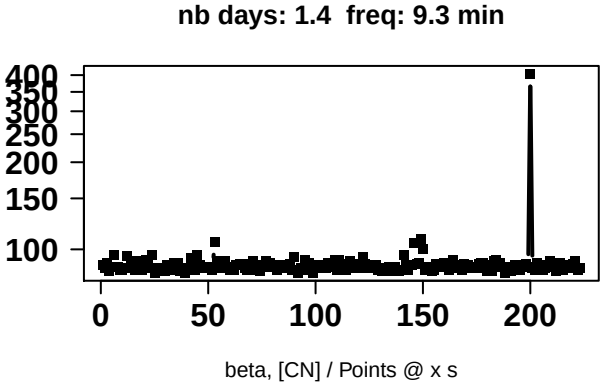

nb days: 1.3 freq: 9.4 min
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

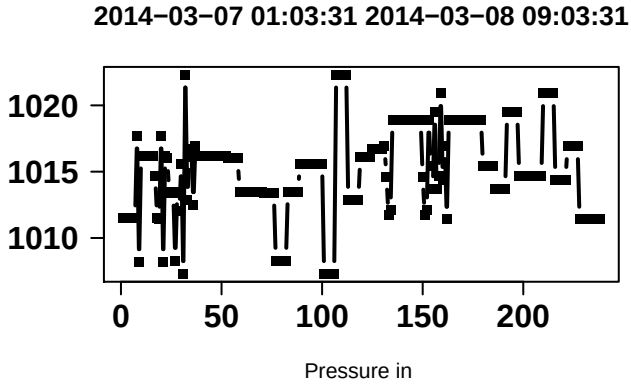

2014−03−04 21:46:03 2014−03−06 08:26:03
988
986
984
982
980
978
0
50
100
150
200
250
Pressure in

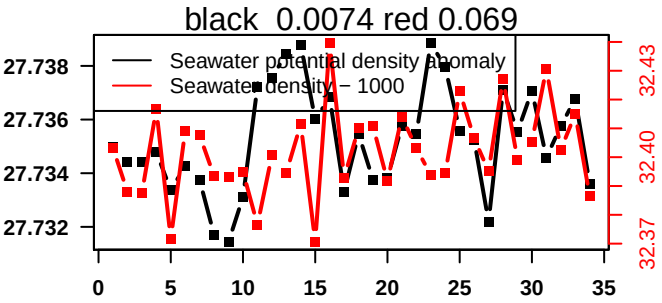

black 0.0088 red 0.047
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.27
32.25
32.23
0
10
20
30

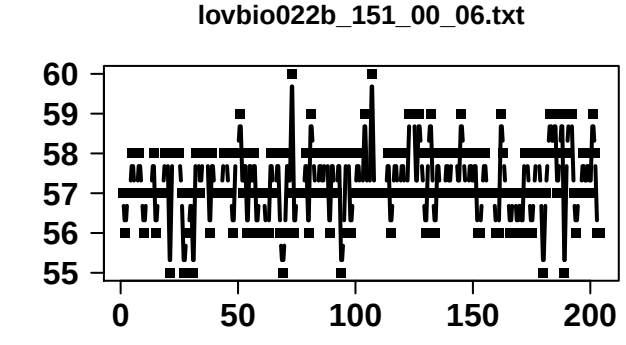

lovbio022b_150_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

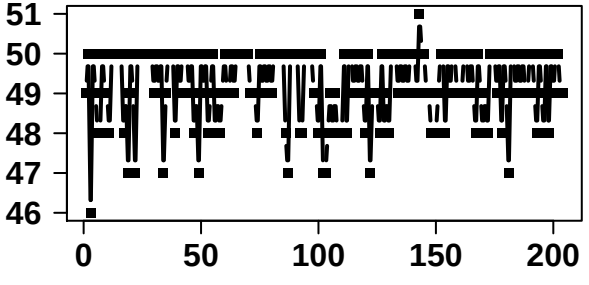

51
50
49
48
47
46
45
0
50
100
150
200
chl, [CN] / Points @ x s

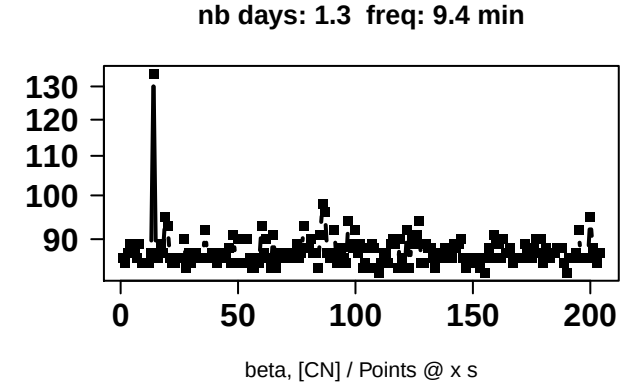

nb days: 1.4 freq: 9.3 min
400
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

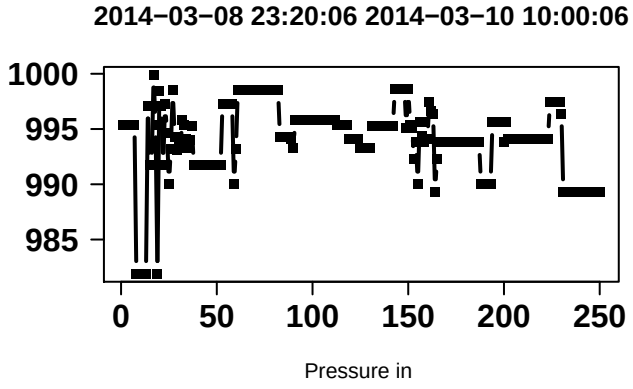

2014−03−07 01:03:31 2014−03−08 09:03:31
1020
1015
1010
0
50
100
150
200
Pressure in

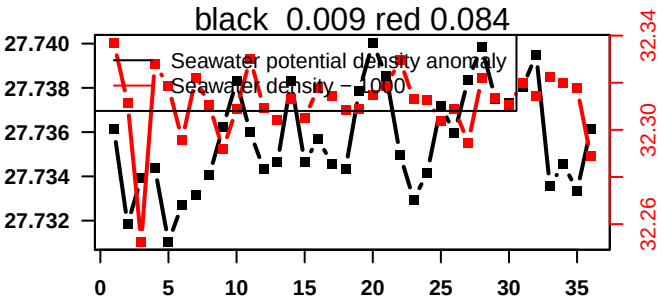

black 0.0074 red 0.069
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
32.43
32.40
32.37
0
5
10
15
20
25
30
35

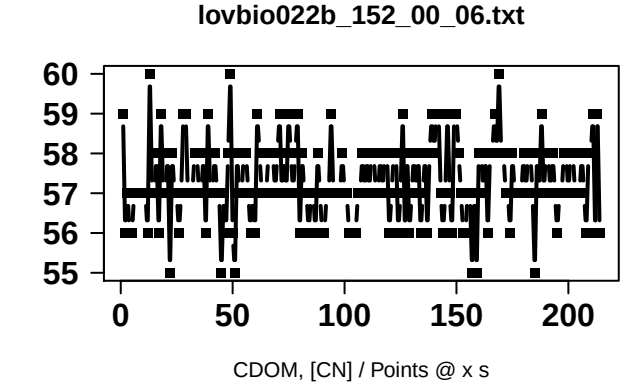

lovbio022b_151_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

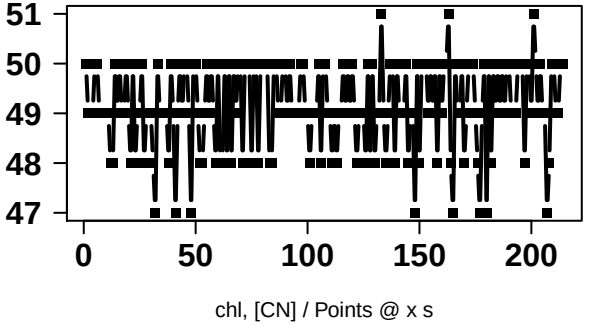

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

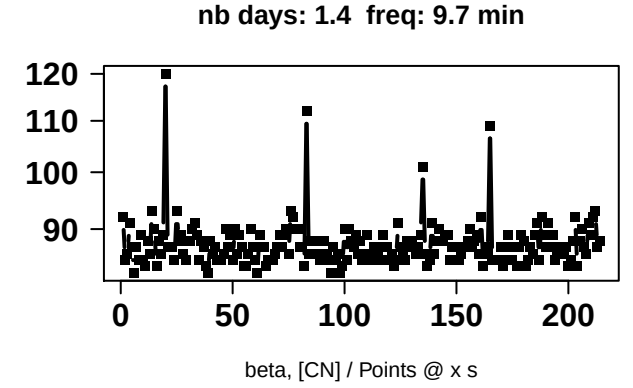

nb days: 1.3 freq: 9.4 min
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

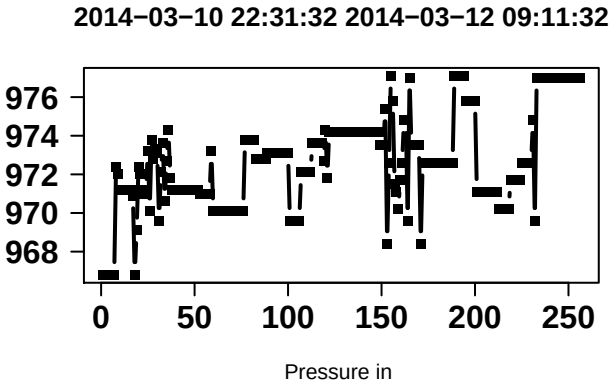

2014−03−08 23:20:06 2014−03−10 10:00:06
1000
995
990
985
0
50
100
150
200
250
Pressure in

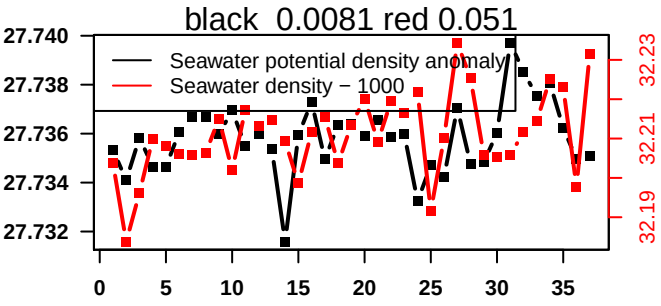

black 0.009 red 0.084
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.34
32.30
32.26
0
5
10
15
20
25
30
35

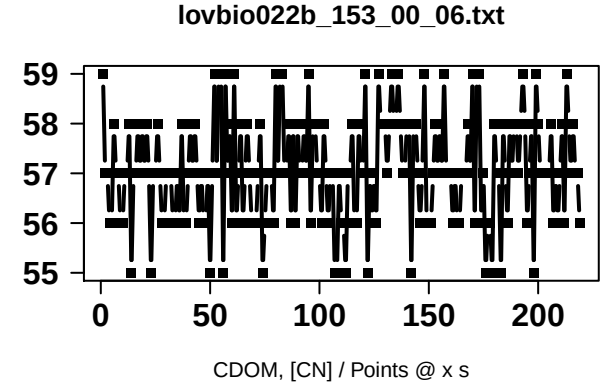

lovbio022b_152_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

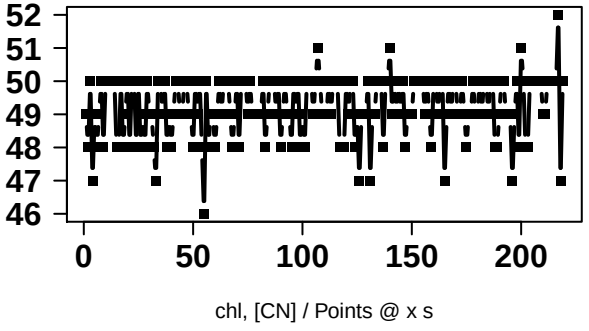

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

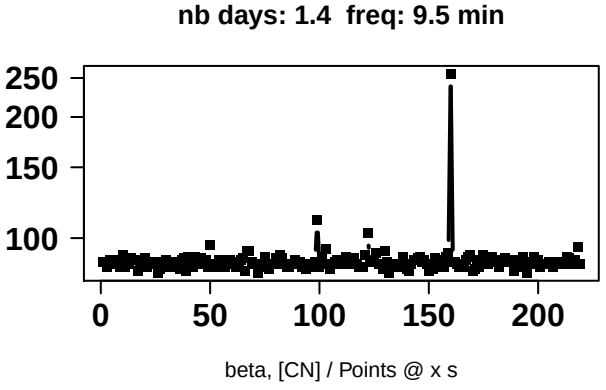

nb days: 1.4 freq: 9.7 min
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

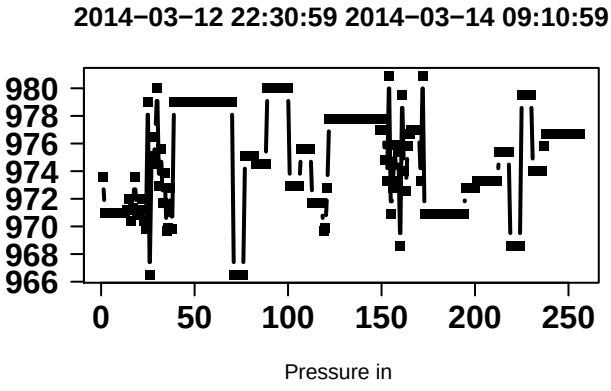

2014−03−10 22:31:32 2014−03−12 09:11:32
976
974
972
970
968
0
50
100
150
200
250
Pressure in

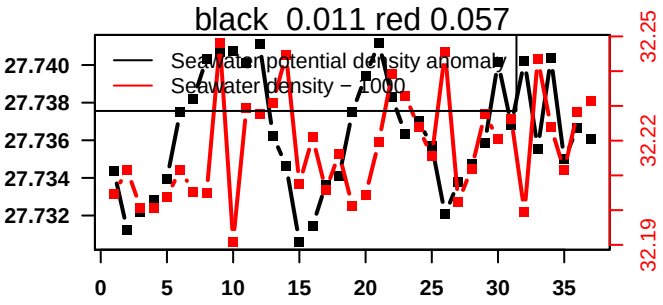

black 0.0081 red 0.051
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.23
32.21
32.19
0
5
10
15
20
25
30
35

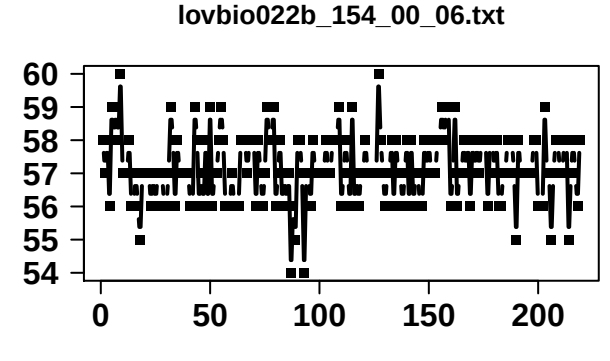

lovbio022b_153_00_06.txt
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

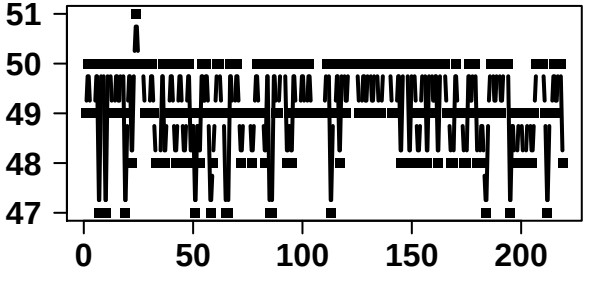

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

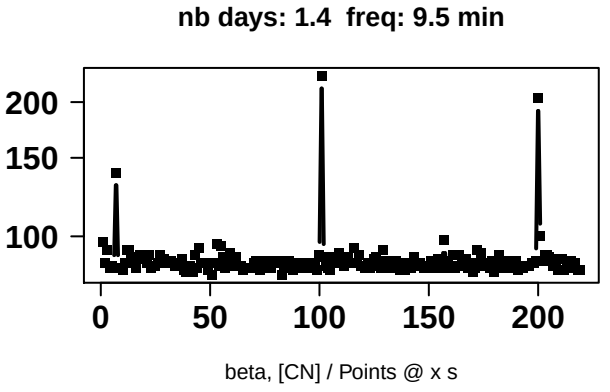

nb days: 1.4 freq: 9.5 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

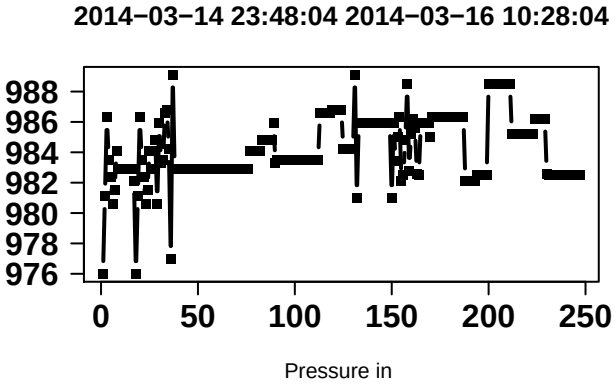

2014−03−12 22:30:59 2014−03−14 09:10:59
980
978
976
974
972
970
968
966
0
50
100
150
200
250
Pressure in

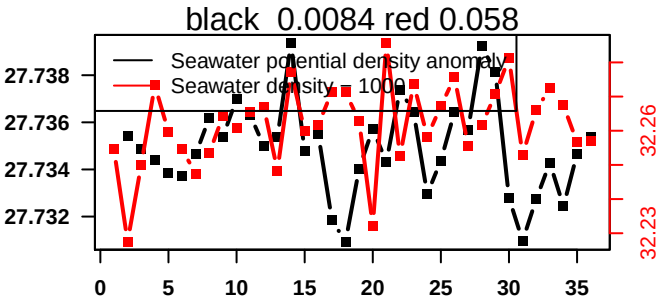

black 0.011 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.25
32.22
32.19
0
5
10
15
20
25
30
35

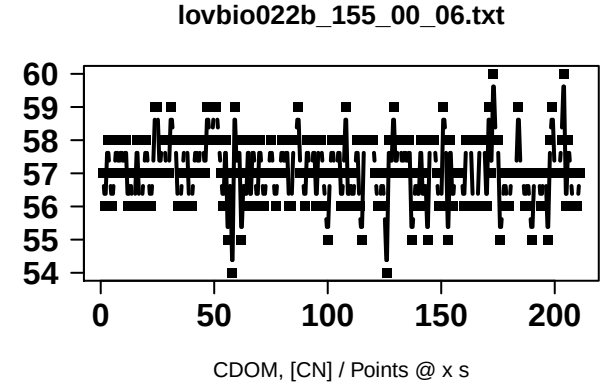

lovbio022b_154_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

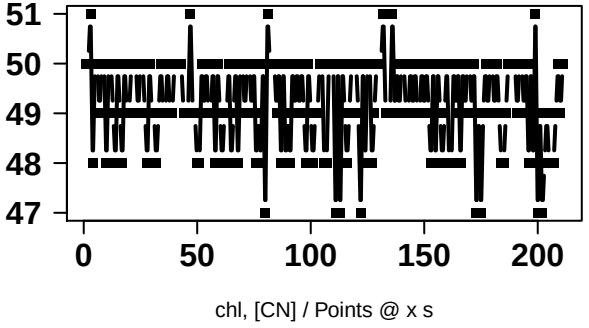

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

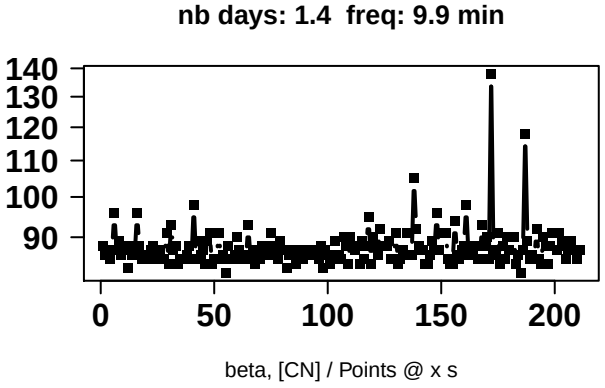

nb days: 1.4 freq: 9.5 min
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

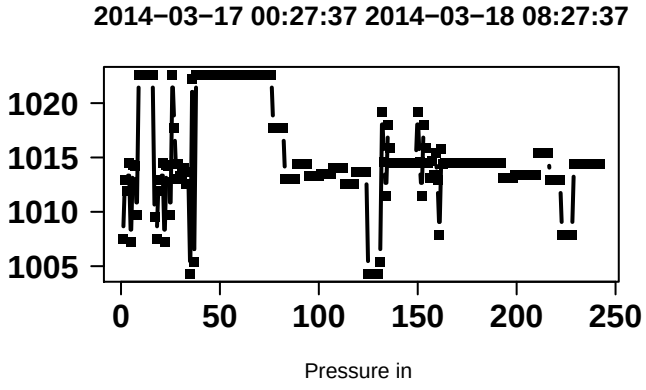

2014−03−14 23:48:04 2014−03−16 10:28:04
988
986
984
982
980
978
976
0
50
100
150
200
250
Pressure in

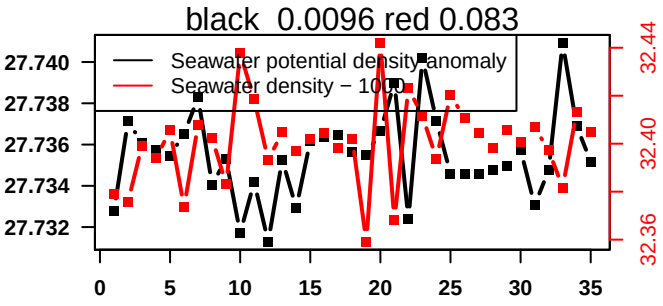

black 0.0084 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
0
5
10
15
20
25
30
35
32.26
32.23

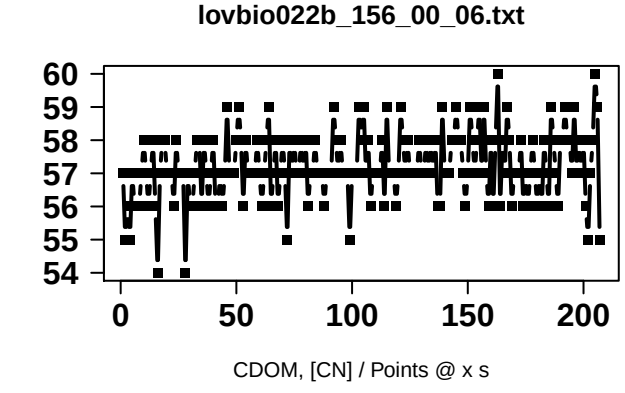

lovbio022b_155_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

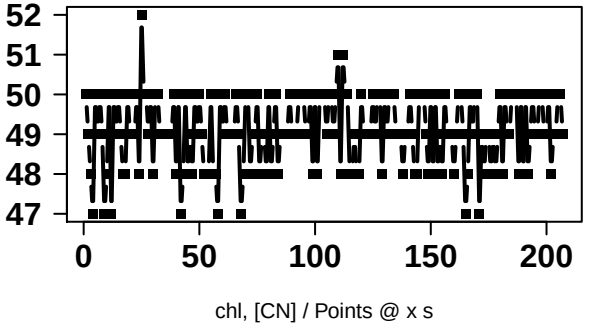

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

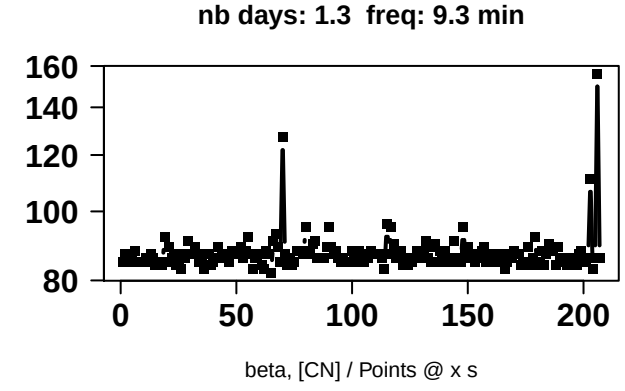

nb days: 1.4 freq: 9.9 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

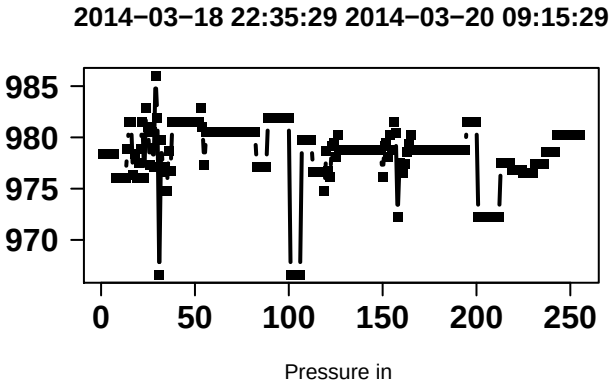

2014−03−17 00:27:37 2014−03−18 08:27:37
1020
1015
1010
1005
0
50
100
150
200
250
Pressure in

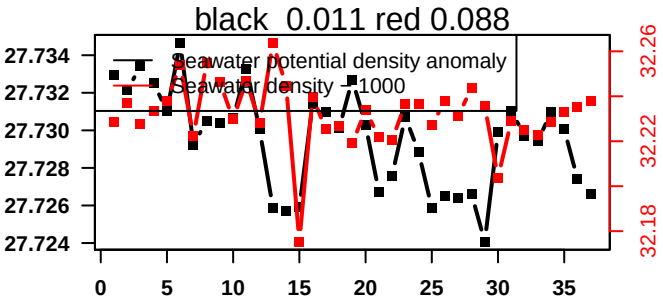

black 0.0096 red 0.083
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.44
32.40
32.36
0
5
10
15
20
25
30
35

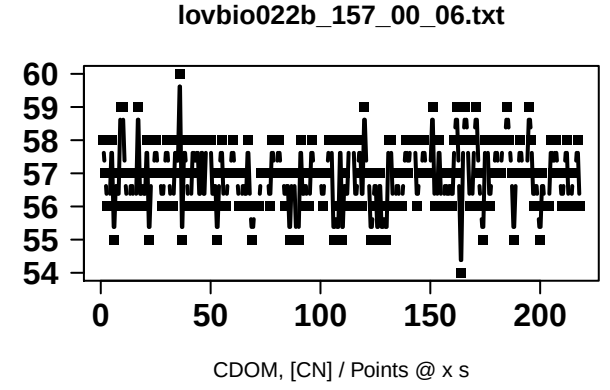

lovbio022b_156_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

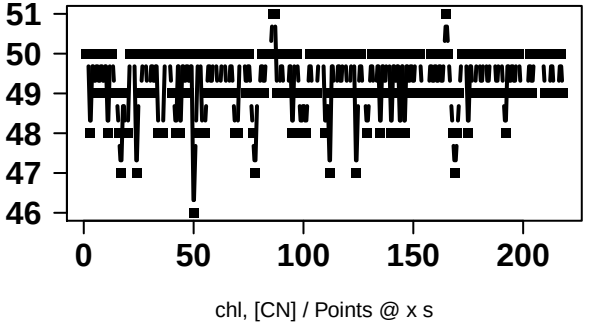

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

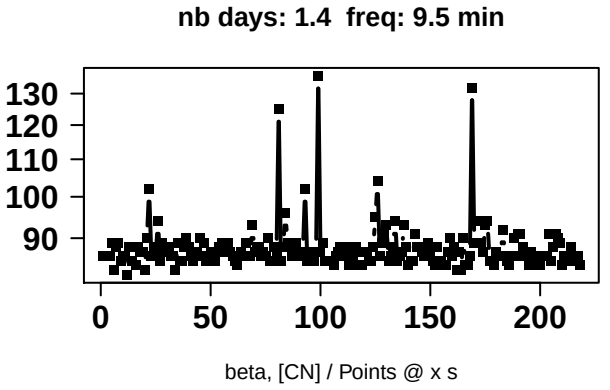

nb days: 1.3 freq: 9.3 min
160
140
120
100
80
0
50
100
150
200
beta, [CN] / Points @ x s

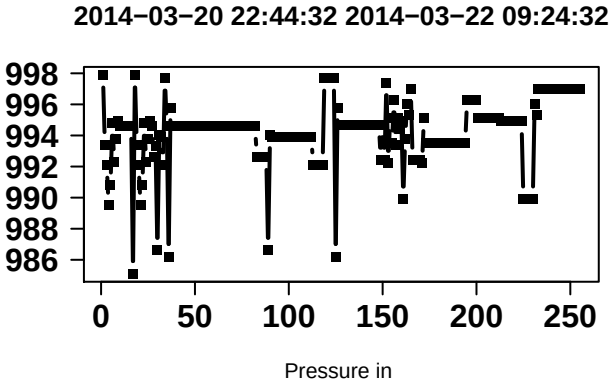

2014−03−18 22:35:29 2014−03−20 09:15:29
985
980
975
970
0
50
100
150
200
250
Pressure in

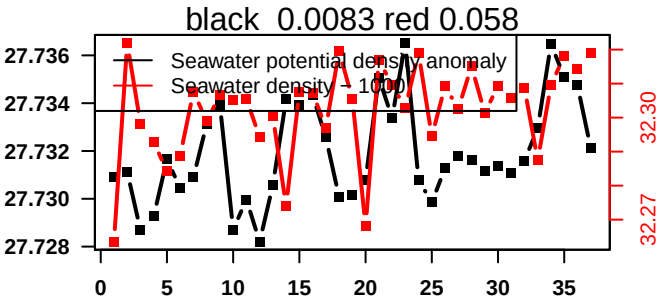

black 0.011 red 0.088
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
27.724
32.26
32.22
32.18
0
5
10
15
20
25
30
35

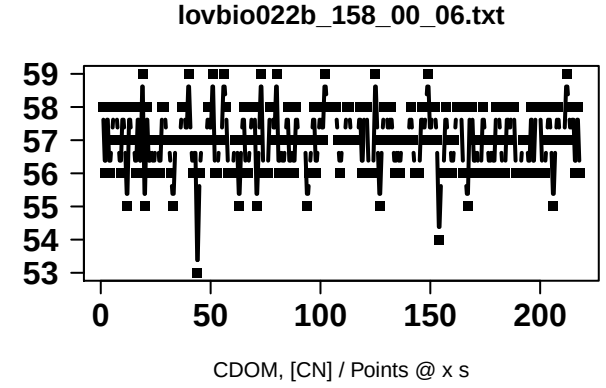

lovbio022b_157_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

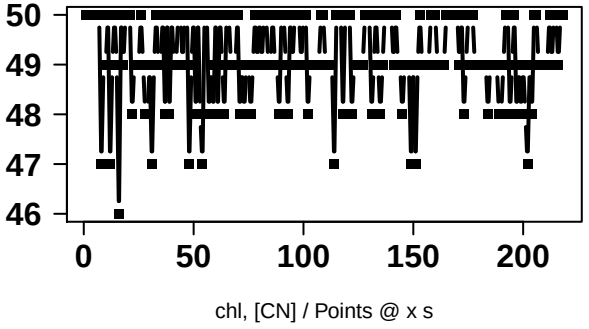

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

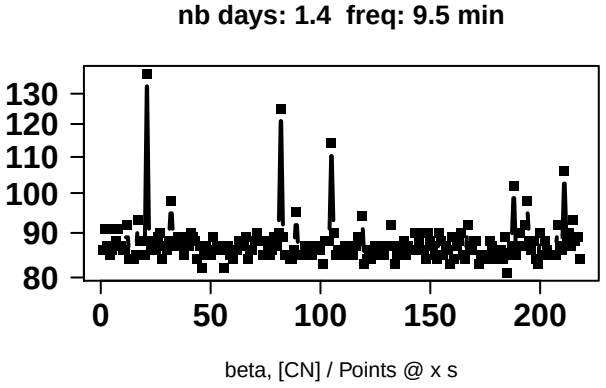

nb days: 1.4 freq: 9.5 min
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

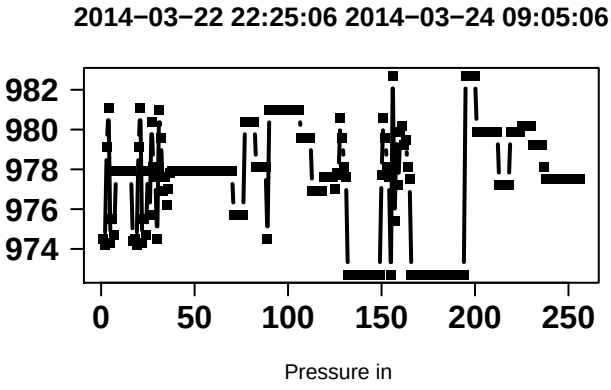

2014−03−20 22:44:32 2014−03−22 09:24:32
998
996
994
992
990
988
986
0
50
100
150
200
250
Pressure in

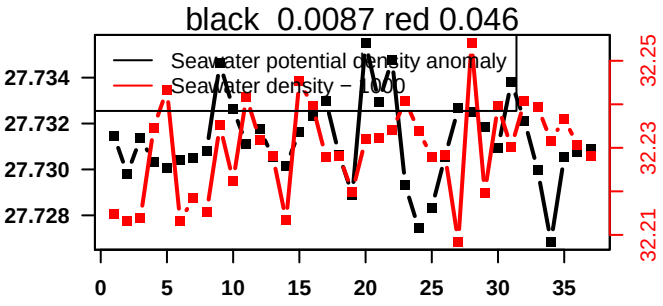

black 0.0083 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
32.30
32.27
0
5
10
15
20
25
30
35

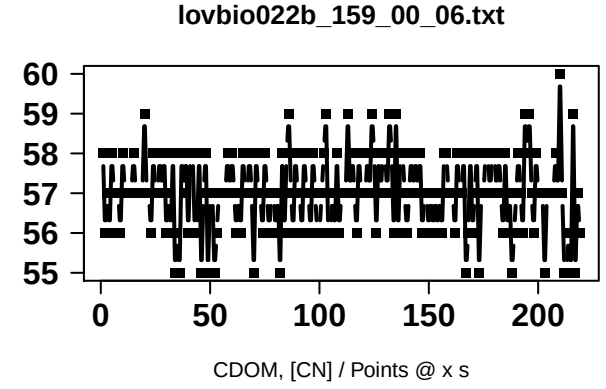

lovbio022b_158_00_06.txt
59
58
57
56
55
54
53
0
50
100
150
200
CDOM, [CN] / Points @ x s

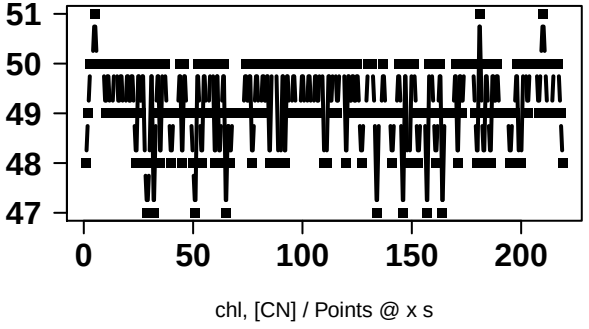

50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

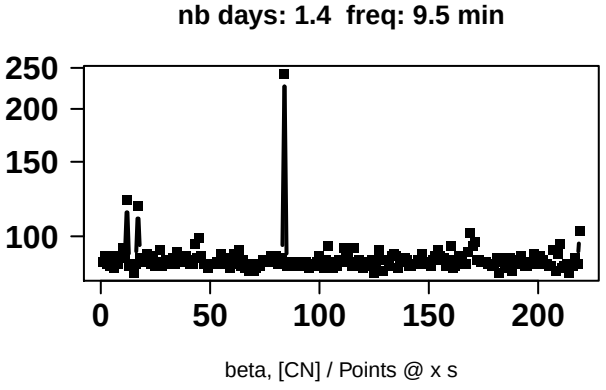

nb days: 1.4 freq: 9.5 min
130
120
110
100
90
80
0
50
100
150
200
beta, [CN] / Points @ x s

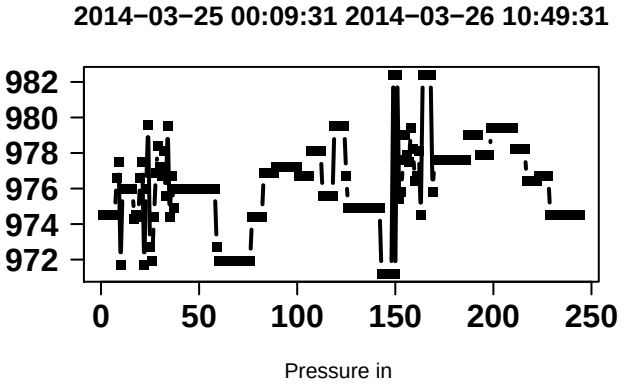

2014−03−22 22:25:06 2014−03−24 09:05:06
982
980
978
976
974
0
50
100
150
200
250
Pressure in

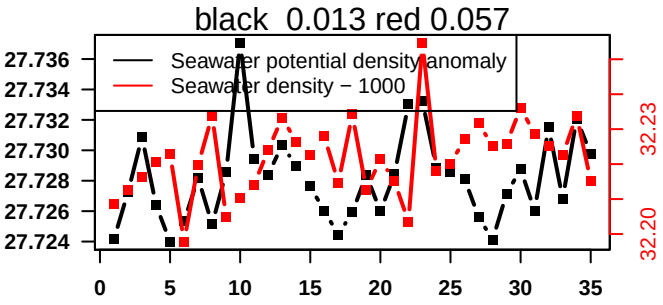

black 0.0087 red 0.046
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.25
32.23
32.21
0
5
10
15
20
25
30
35

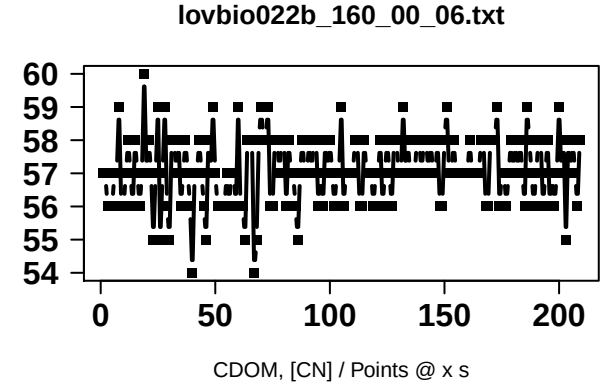

lovbio022b_159_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

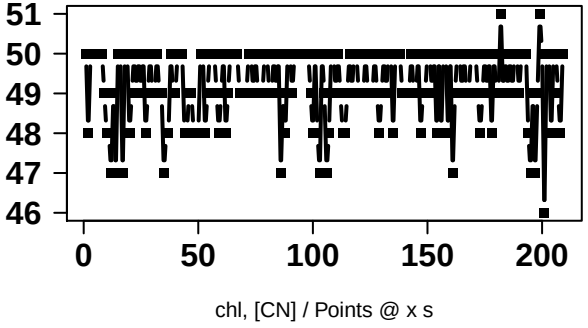

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

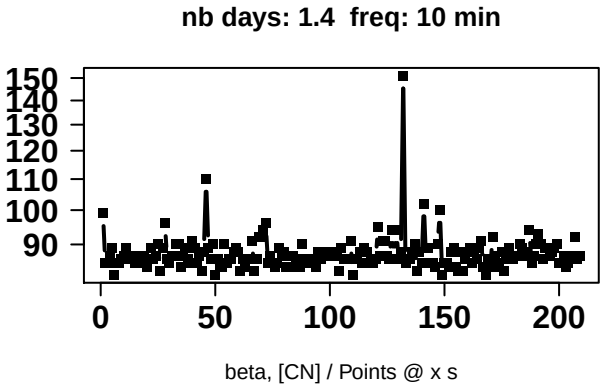

nb days: 1.4 freq: 9.5 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

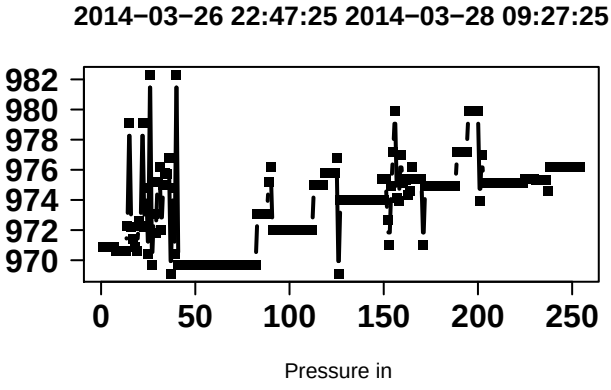

2014−03−25 00:09:31 2014−03−26 10:49:31
982
980
978
976
974
972
0
50
100
150
200
250
Pressure in

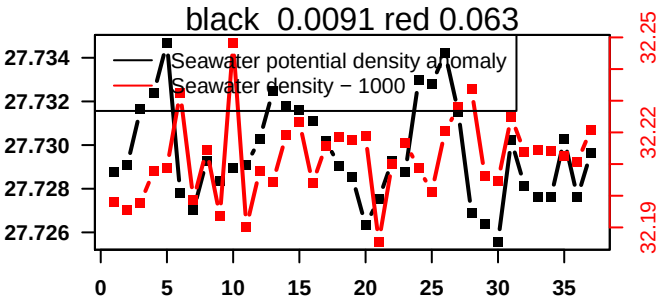

black 0.013 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
27.726
27.724
32.23
32.20
0
5
10
15
20
25
30
35

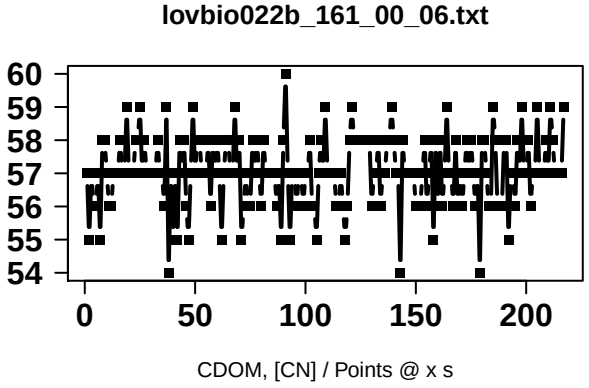

lovbio022b_160_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

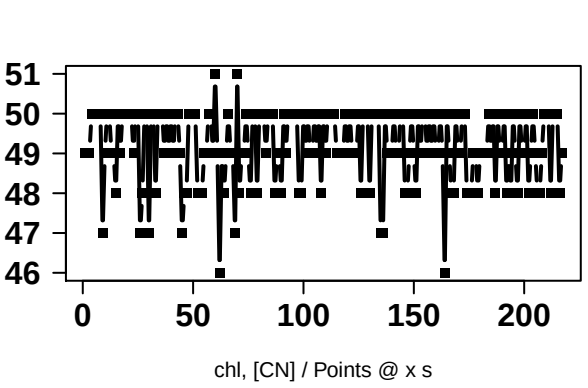

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

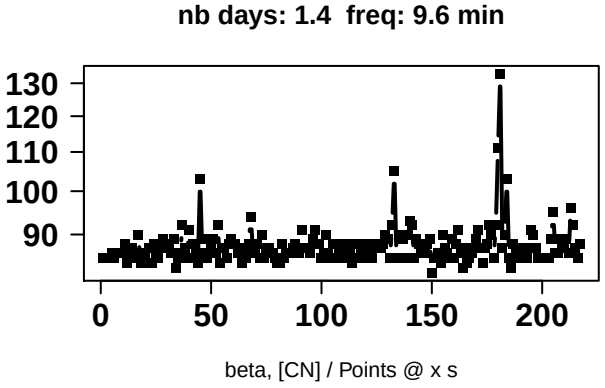

nb days: 1.4 freq: 10 min
150
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

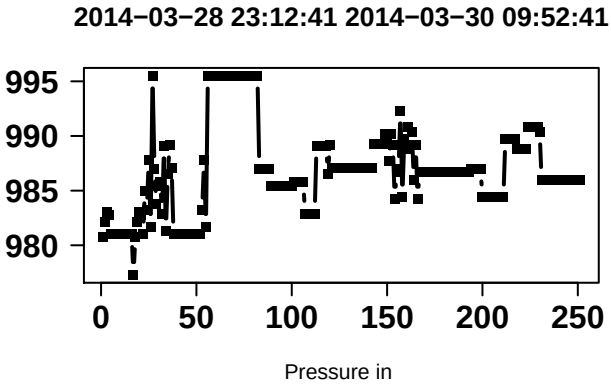

2014−03−26 22:47:25 2014−03−28 09:27:25
982
980
978
976
974
972
970
0
50
100
150
200
250
Pressure in

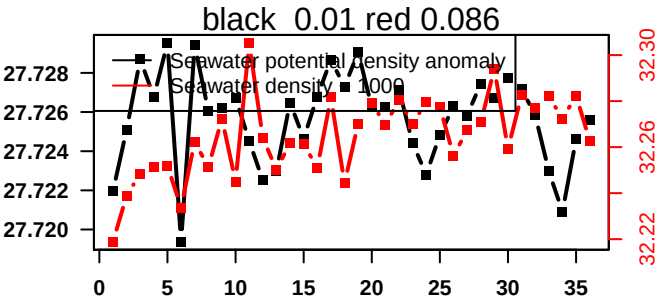

black 0.0091 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.25
32.22
32.19
0
5
10
15
20
25
30
35

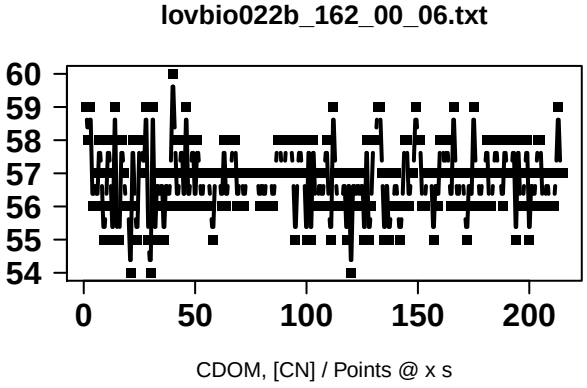

lovbio022b_161_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

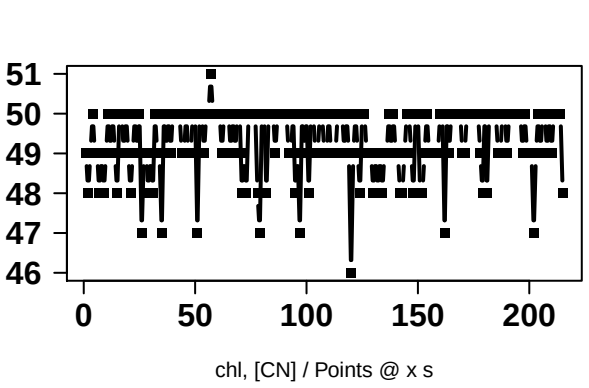

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

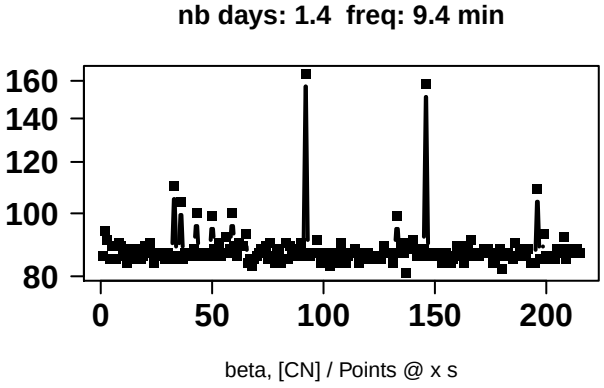

nb days: 1.4 freq: 9.6 min
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

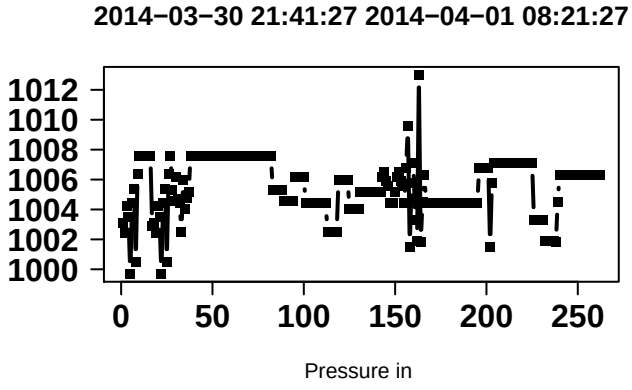

2014−03−28 23:12:41 2014−03−30 09:52:41
995
990
985
980
0
50
100
150
200
250
Pressure in

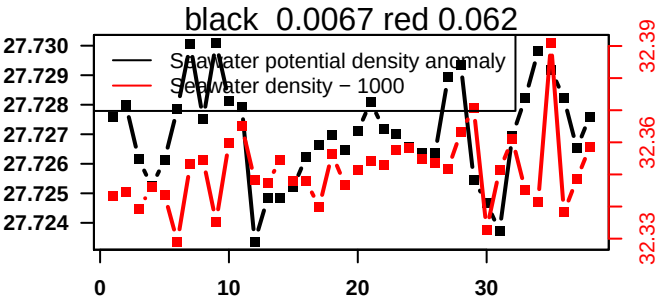

black 0.01 red 0.086
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
27.720
32.30
32.26
32.22
0
5
10
15
20
25
30
35

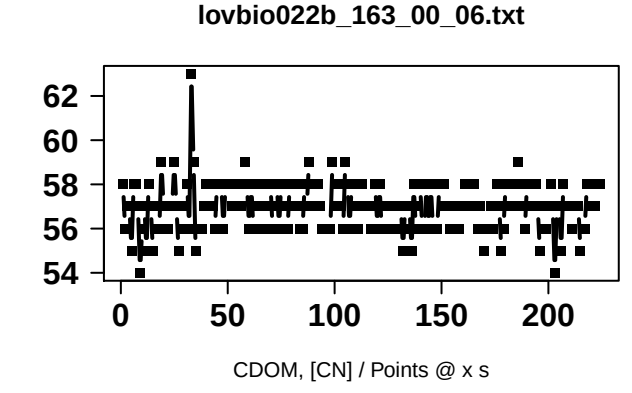

lovbio022b_162_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

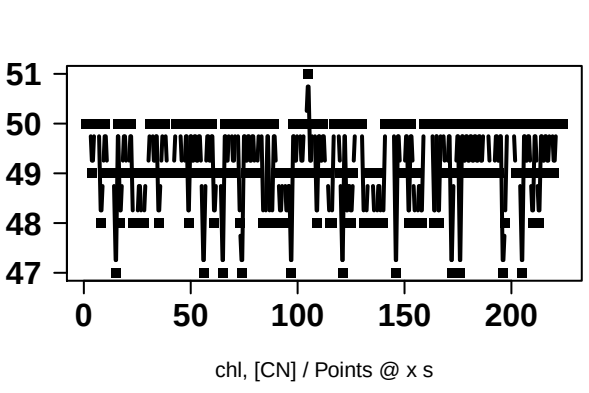

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

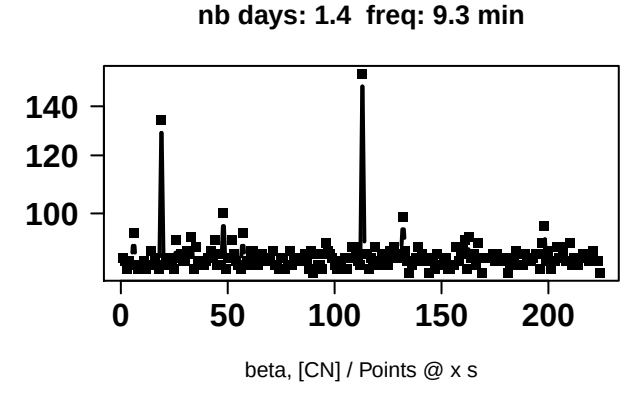

nb days: 1.4 freq: 9.4 min
160
140
120
100
80
0
50
100
150
200
beta, [CN] / Points @ x s

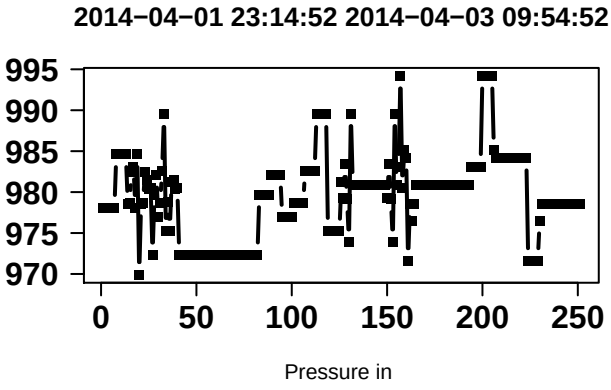

2014−03−30 21:41:27 2014−04−01 08:21:27
1012
1010
1008
1006
1004
1002
1000
0
50
100
150
200
250
Pressure in

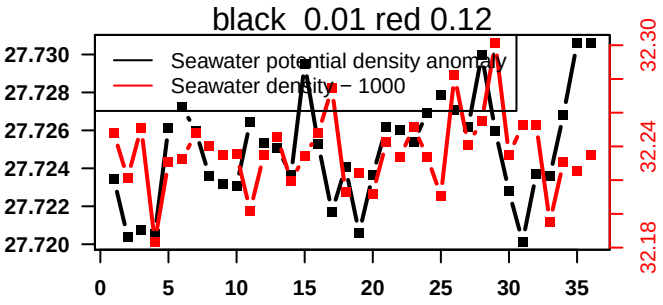

black 0.0067 red 0.062
Seawater potential density anomaly
Seawater density − 1000
27.730
27.729
27.728
27.727
27.726
27.725
27.724
32.39
32.36
32.33
0
10
20
30

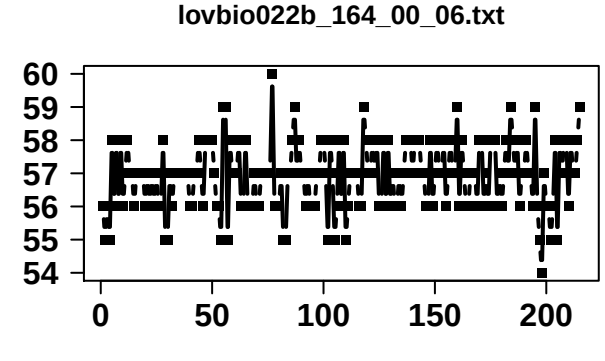

lovbio022b_163_00_06.txt
62
60
58
56
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

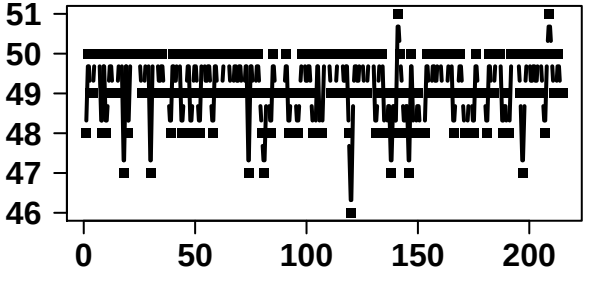

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

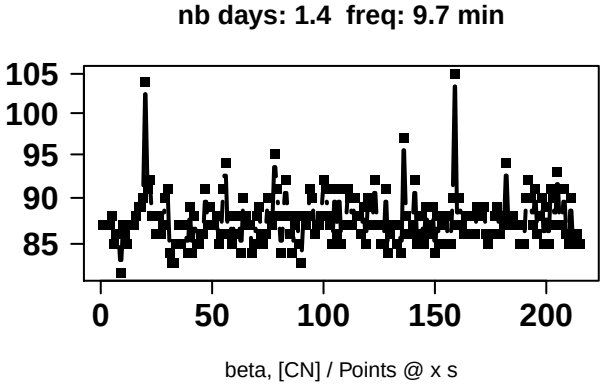

nb days: 1.4 freq: 9.3 min
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

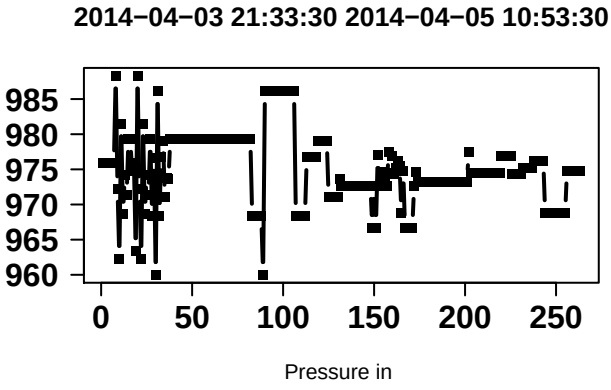

2014−04−01 23:14:52 2014−04−03 09:54:52
995
990
985
980
975
970
0
50
100
150
200
250
Pressure in

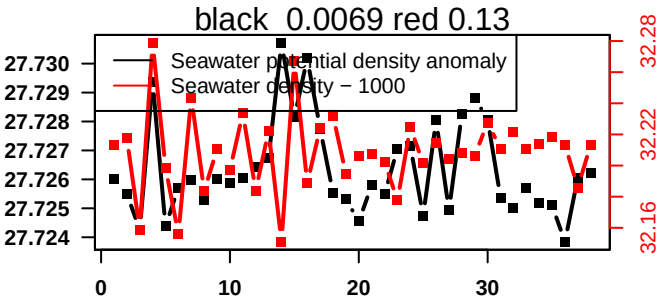

black 0.01 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
27.720
32.30
32.24
32.18
0
5
10
15
20
25
30
35

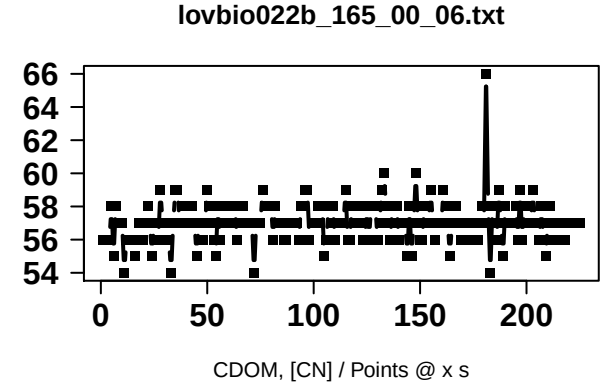

lovbio022b_164_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

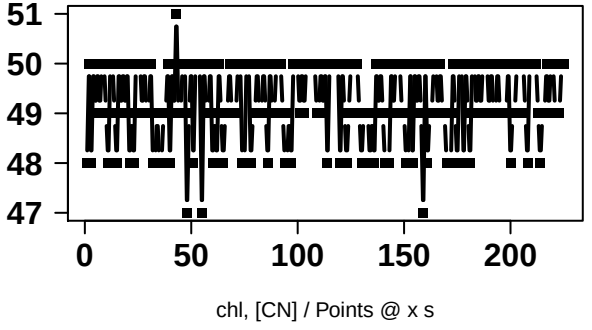

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

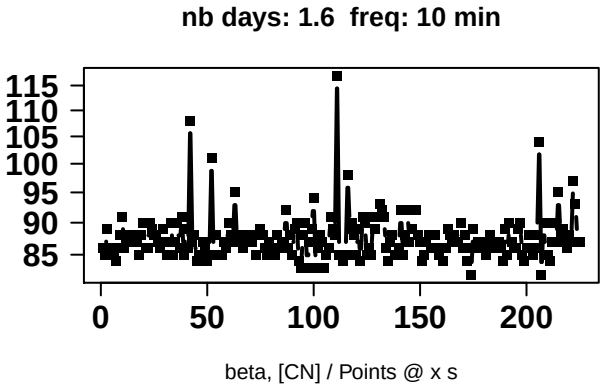

nb days: 1.4 freq: 9.7 min
105
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

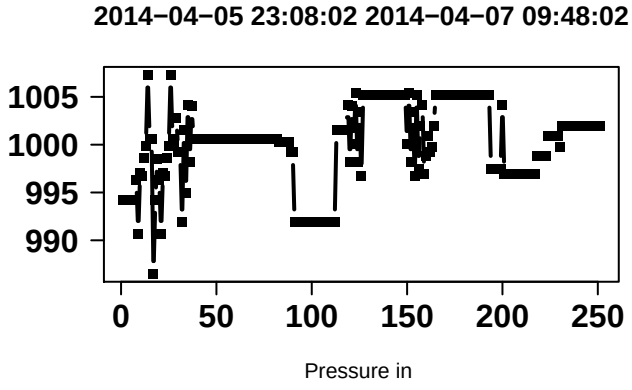

2014−04−03 21:33:30 2014−04−05 10:53:30
985
980
975
970
965
960
0
50
100
150
200
250
Pressure in

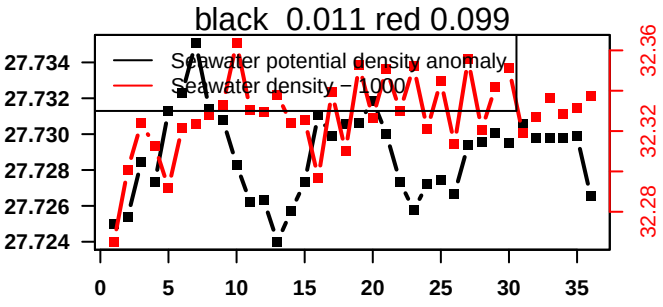

black 0.0069 red 0.13
Seawater potential density anomaly
Seawater density − 1000
27.730
27.729
27.728
27.727
27.726
27.725
27.724
32.28
32.22
32.16
0
10
20
30

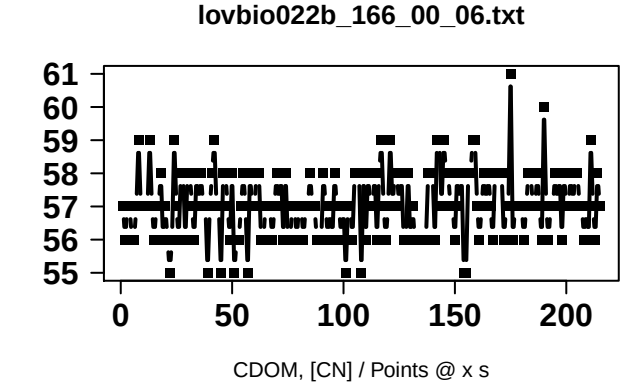

lovbio022b_165_00_06.txt
66
64
62
60
58
56
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

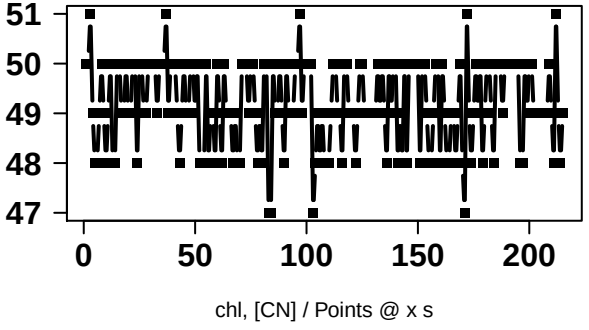

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

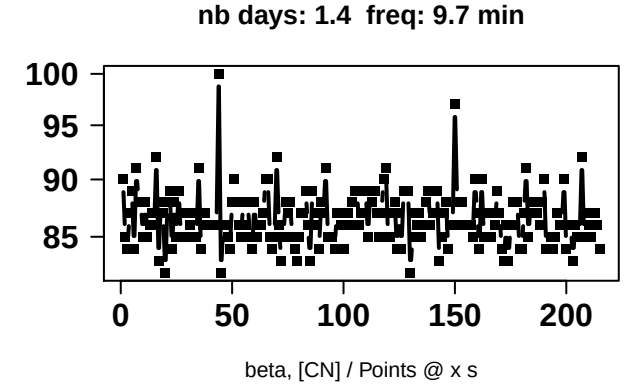

nb days: 1.6 freq: 10 min
115
110
105
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

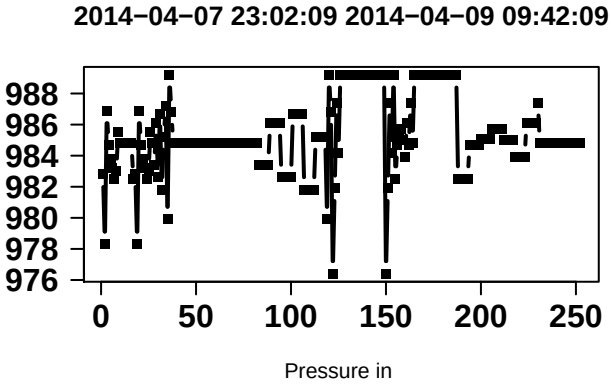

2014−04−05 23:08:02 2014−04−07 09:48:02
1005
1000
995
990
0
50
100
150
200
250
Pressure in

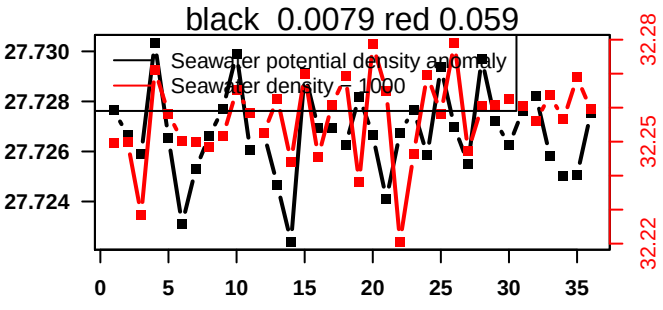

black 0.011 red 0.099
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
27.724
32.36
32.32
32.28
0
5
10
15
20
25
30
35

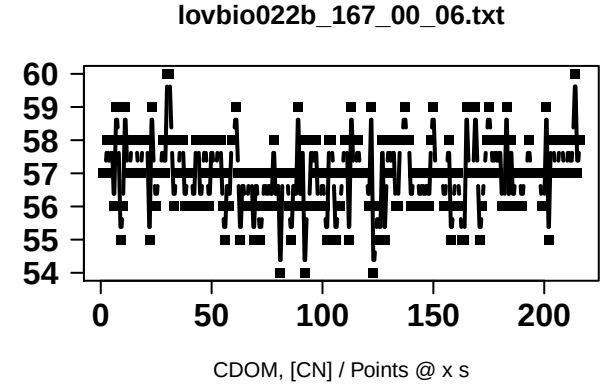

lovbio022b_166_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

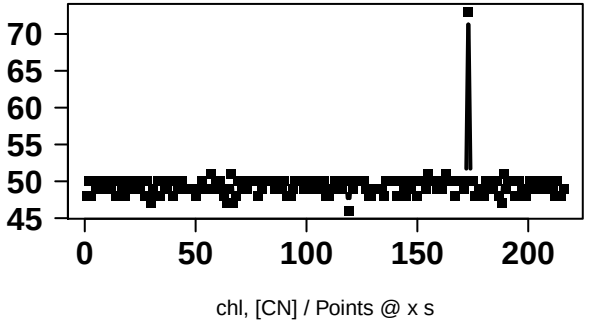

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

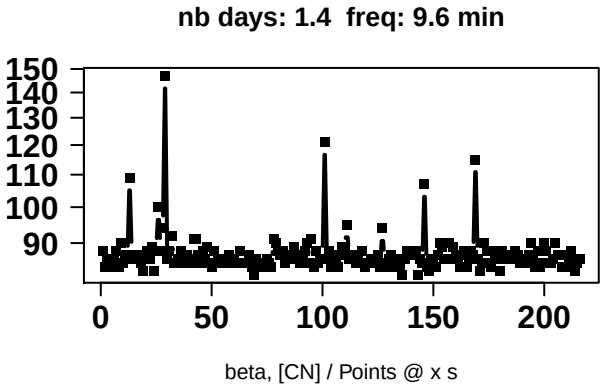

nb days: 1.4 freq: 9.7 min
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

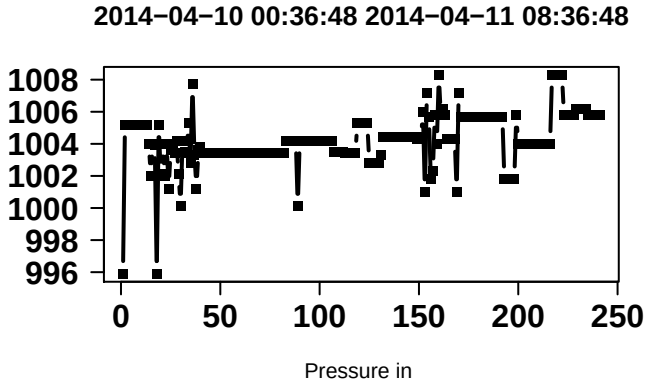

2014−04−07 23:02:09 2014−04−09 09:42:09
988
986
984
982
980
978
976
0
50
100
150
200
250
Pressure in

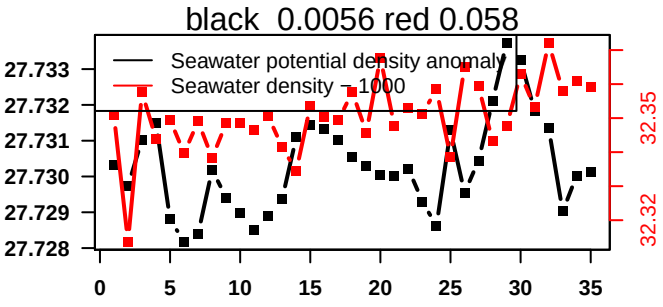

black 0.0079 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
32.28
32.25
32.22
0
5
10
15
20
25
30
35

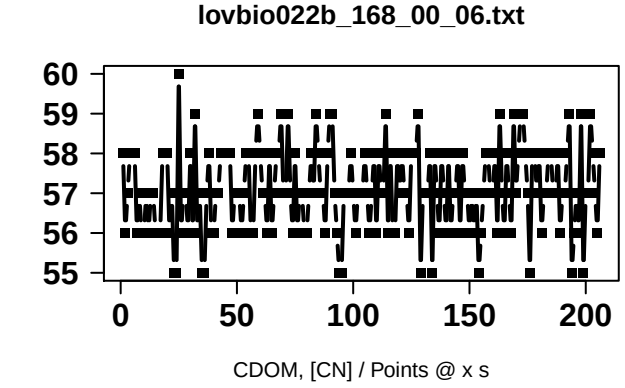

lovbio022b_167_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

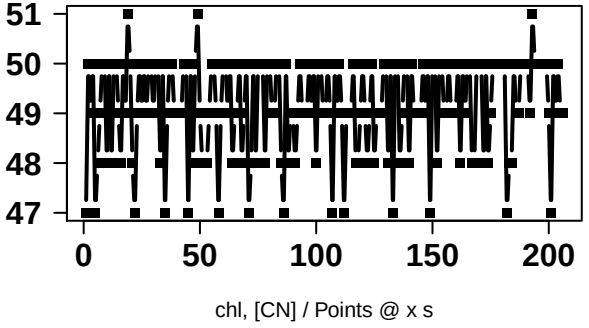

70
65
60
55
50
45
0
50
100
150
200
chl, [CN] / Points @ x s

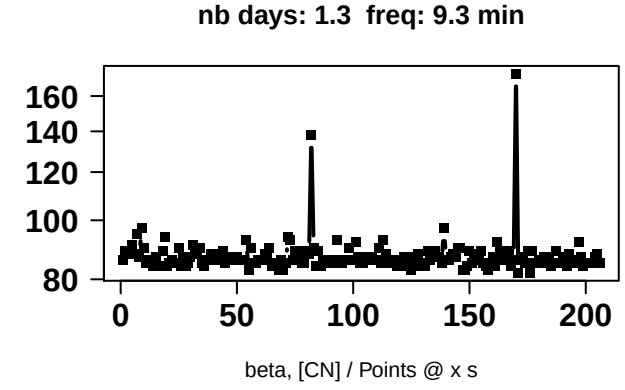

nb days: 1.4 freq: 9.6 min
150
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

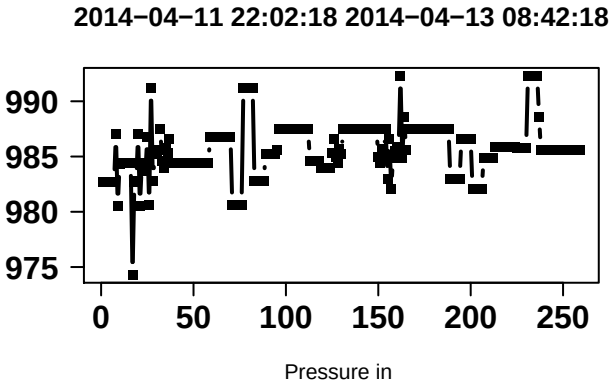

2014−04−10 00:36:48 2014−04−11 08:36:48
1008
1006
1004
1002
1000
998
996
0
50
100
150
200
250
Pressure in

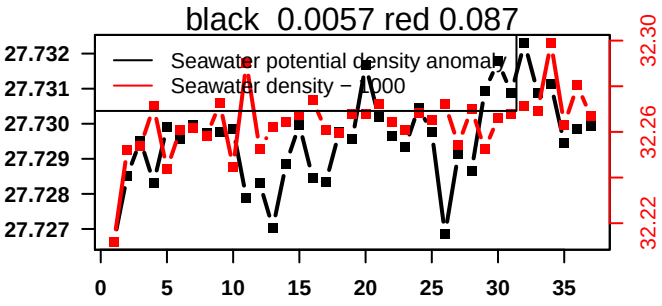

black 0.0056 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
32.35
32.32
0
5
10
15
20
25
30
35

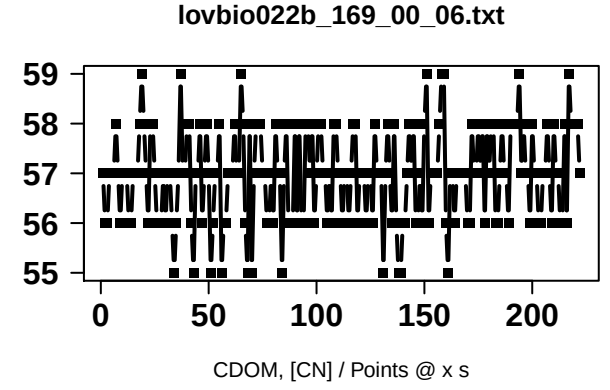

lovbio022b_168_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

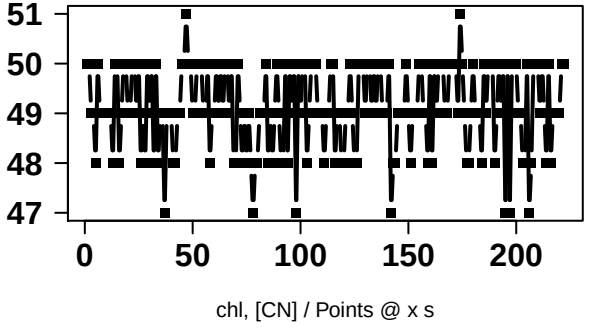

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

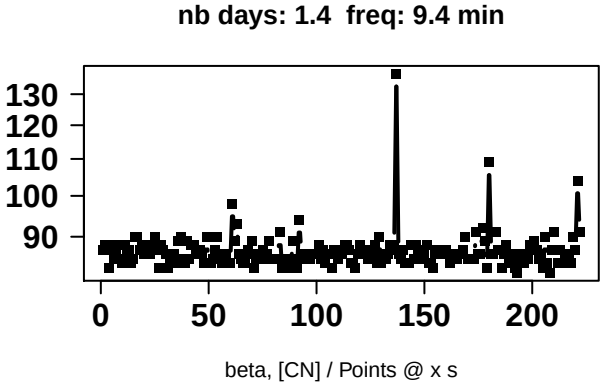

nb days: 1.3 freq: 9.3 min
160
140
120
100
80
0
50
100
150
200
beta, [CN] / Points @ x s

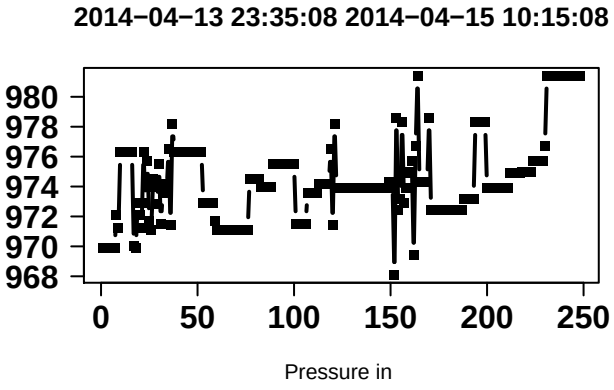

2014−04−11 22:02:18 2014−04−13 08:42:18
990
985
980
975
0
50
100
150
200
250
Pressure in

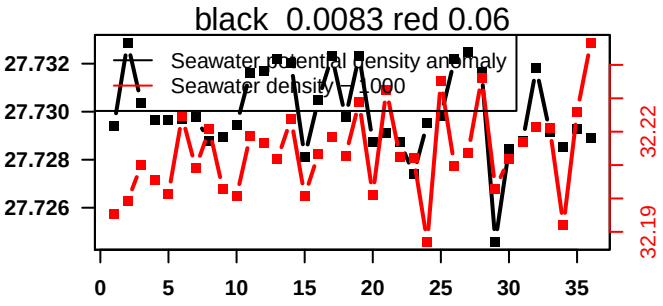

black 0.0057 red 0.087
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
27.728
27.727
32.30
32.26
32.22
0
5
10
15
20
25
30
35

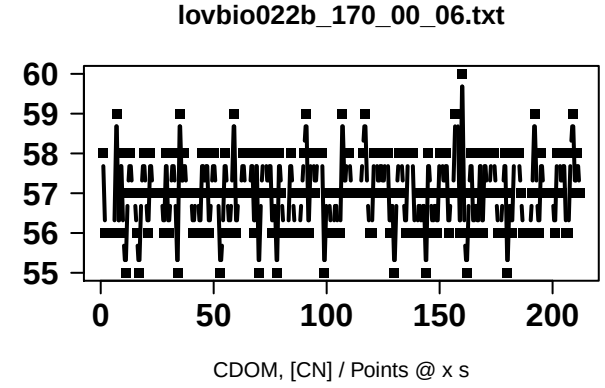

lovbio022b_169_00_06.txt
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

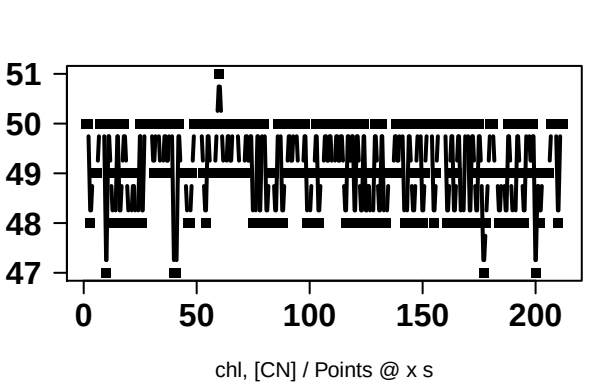

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

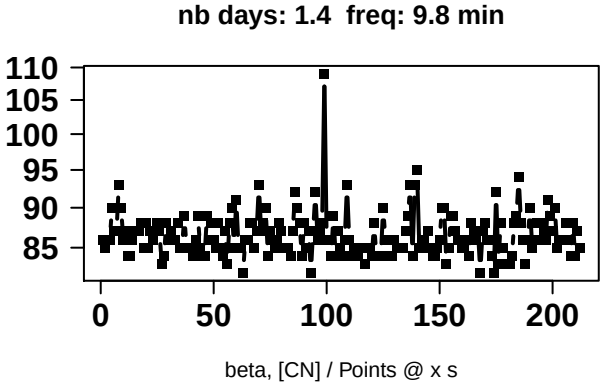

nb days: 1.4 freq: 9.4 min
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

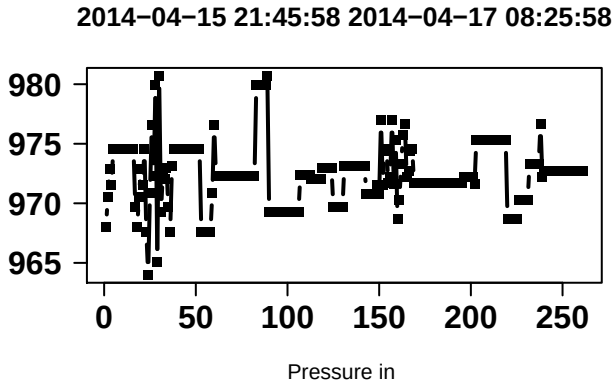

2014−04−13 23:35:08 2014−04−15 10:15:08
980
978
976
974
972
970
968
0
50
100
150
200
250
Pressure in

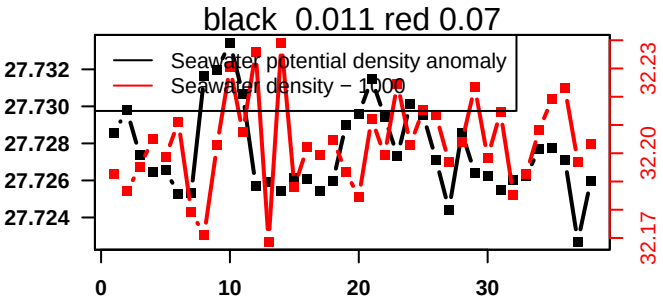

black 0.0083 red 0.06
Seawater potential density anomaly
Seawater density −1000
27.732
27.730
27.728
27.726
32.22
32.19
0
5
10
15
20
25
30
35

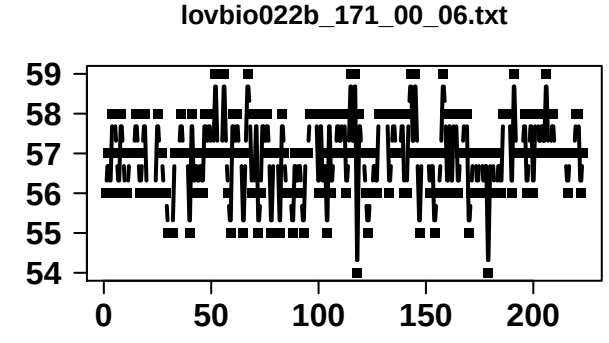

lovbio022b_170_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

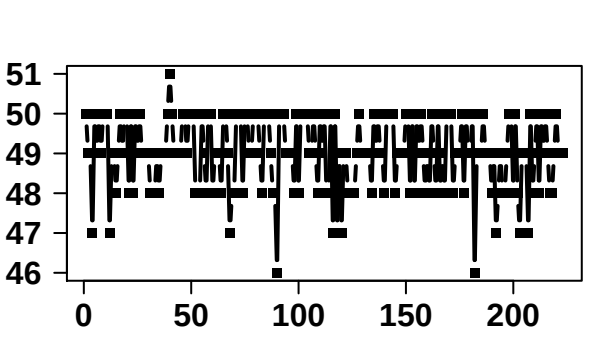

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

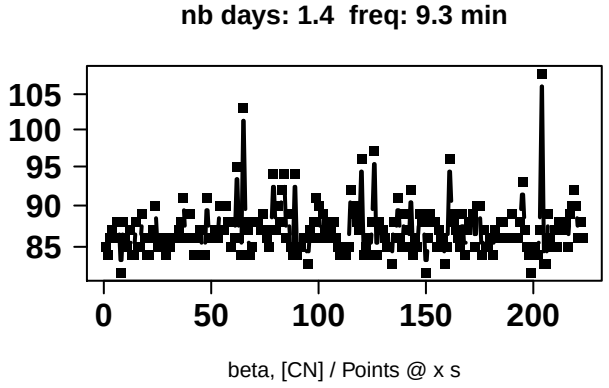

nb days: 1.4 freq: 9.8 min
110
105
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

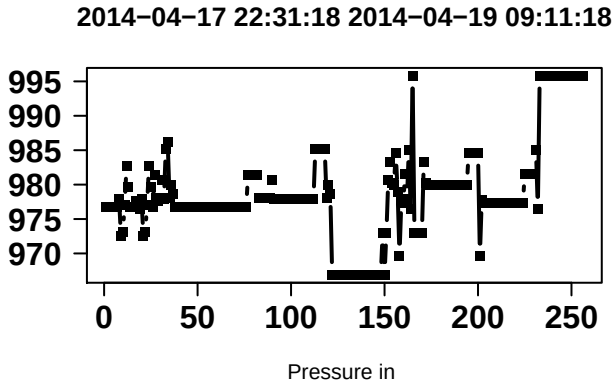

2014−04−15 21:45:58 2014−04−17 08:25:58
980
975
970
965
0
50
100
150
200
250
Pressure in

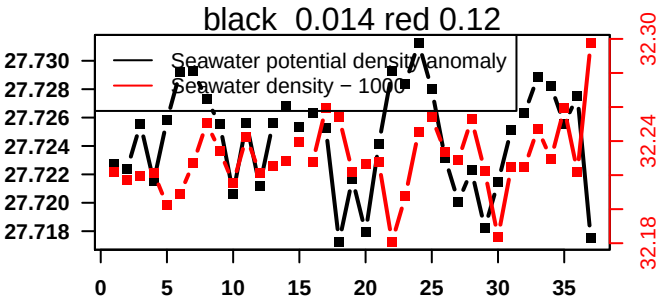

black 0.011 red 0.07
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
32.23
32.20
32.17
0
10
20
30

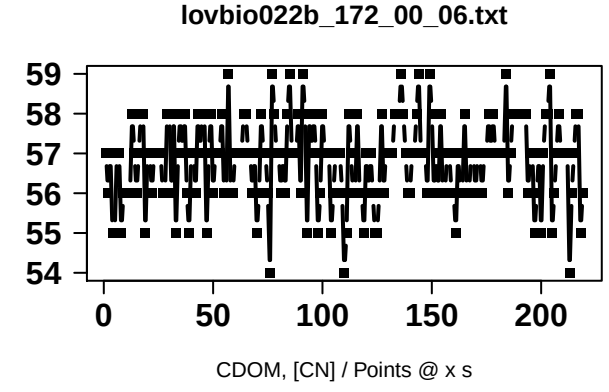

lovbio022b_171_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

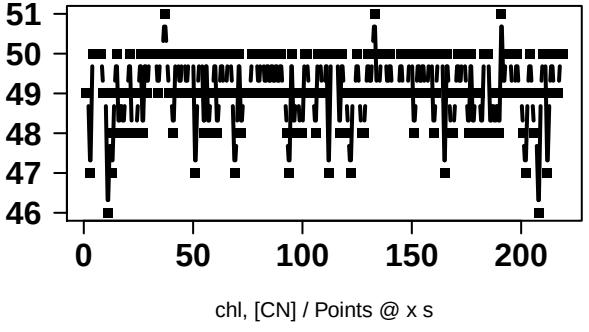

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

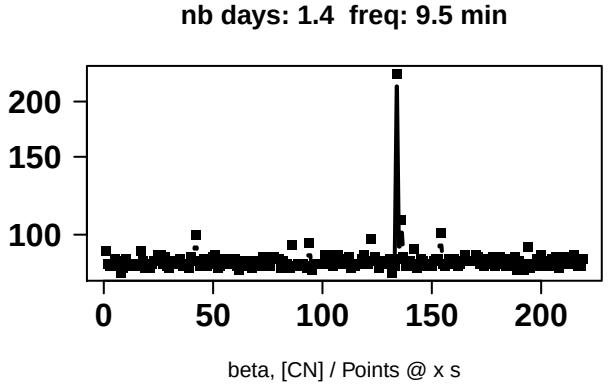

nb days: 1.4 freq: 9.3 min
105
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

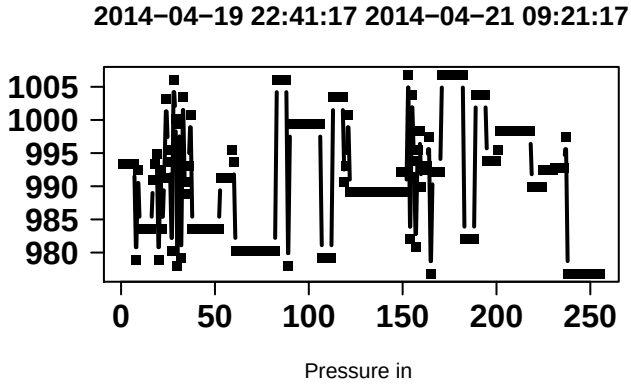

2014−04−17 22:31:18 2014−04−19 09:11:18
995
990
985
980
975
970
0
50
100
150
200
250
Pressure in

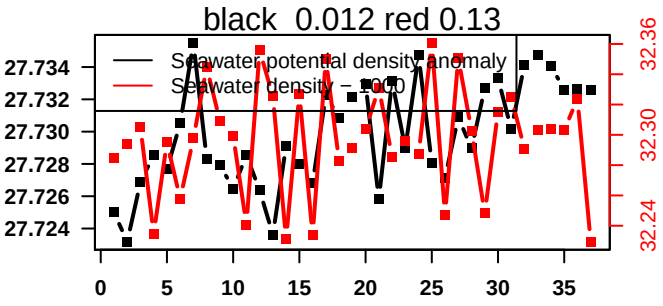

black 0.014 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
27.720
27.718
0
5
10
15
20
25
30
35
32.30
32.24
32.18

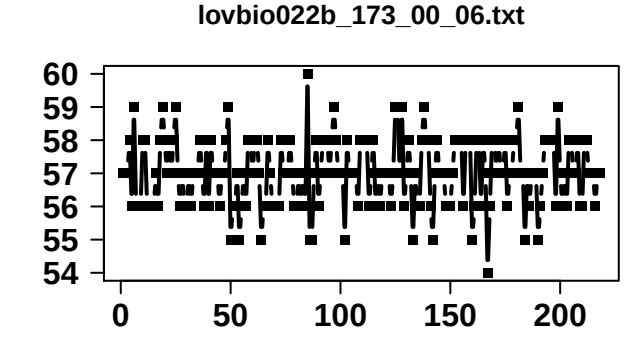

lovbio022b_172_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

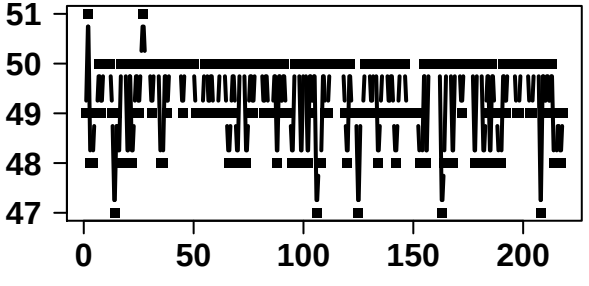

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

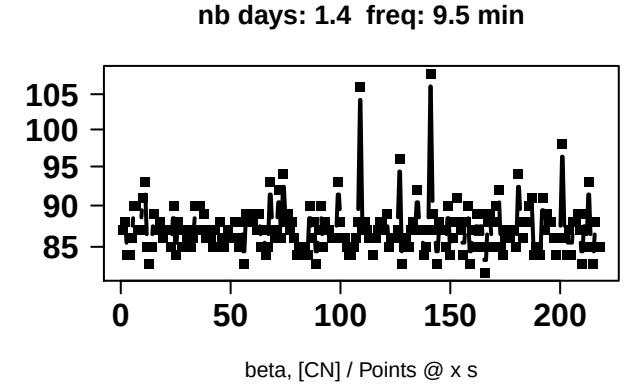

nb days: 1.4 freq: 9.5 min
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

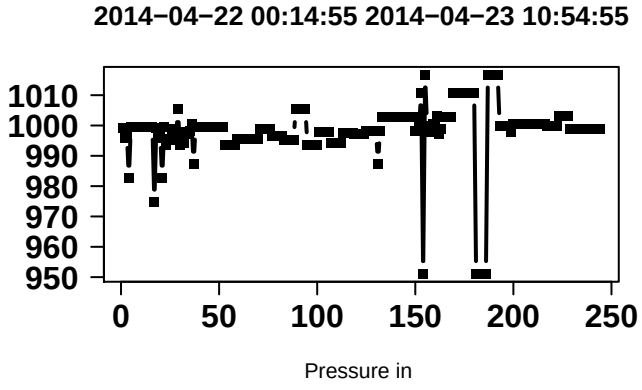

2014−04−19 22:41:17 2014−04−21 09:21:17
1005
1000
995
990
985
980
0
50
100
150
200
250
Pressure in

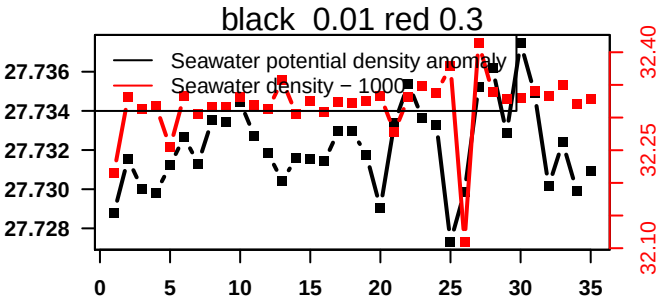

black 0.012 red 0.13
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
27.724
32.36
32.30
32.24
0
5
10
15
20
25
30
35

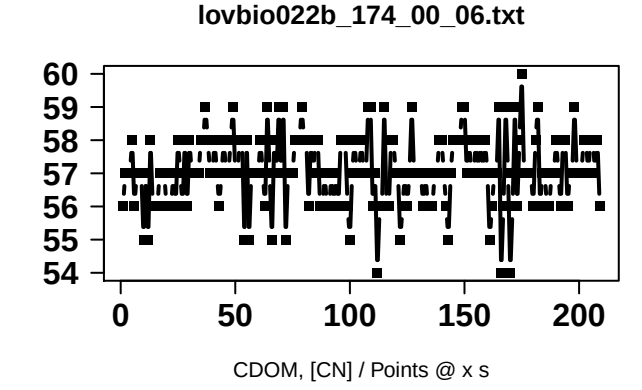

lovbio022b_173_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

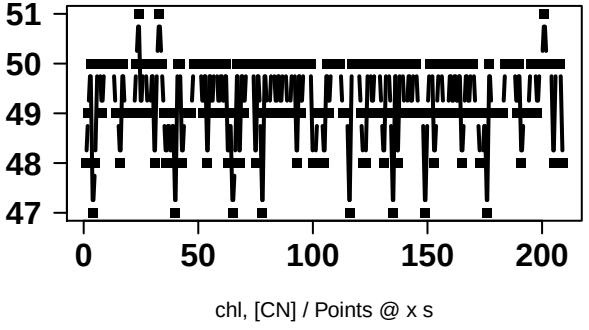

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

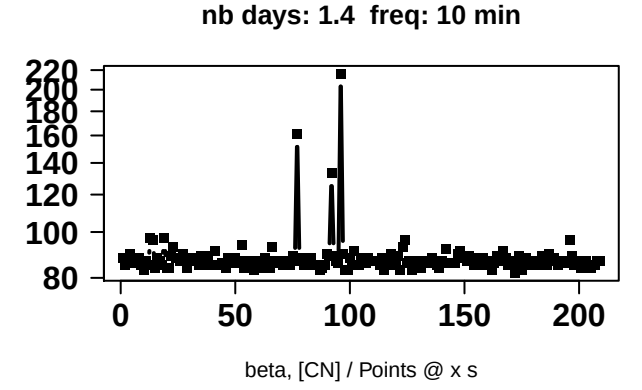

nb days: 1.4 freq: 9.5 min
105
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

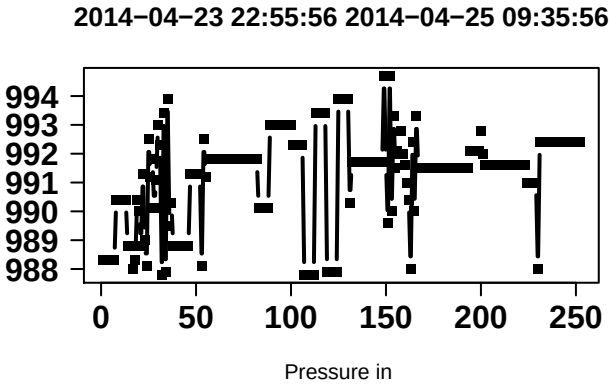

2014−04−22 00:14:55 2014−04−23 10:54:55
1010
1000
990
980
970
960
950
0
50
100
150
200
250
Pressure in

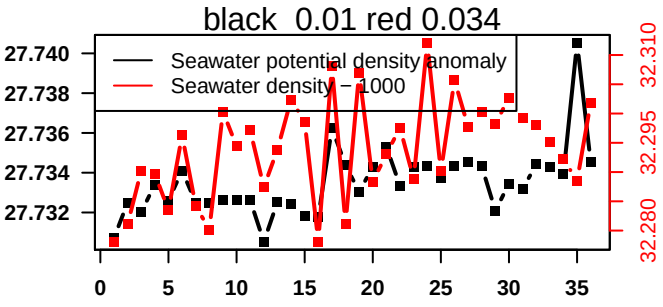

black 0.01 red 0.3
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
32.40
32.25
32.10
0
5
10
15
20
25
30
35

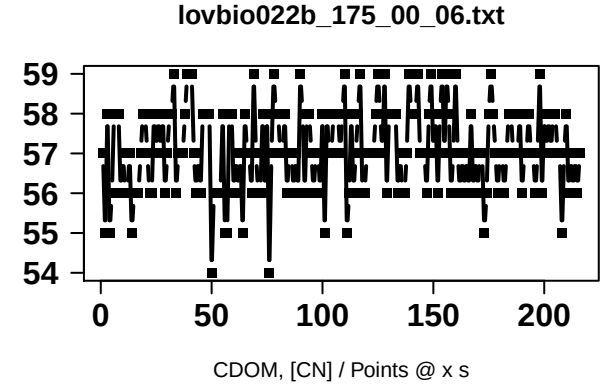

lovbio022b_174_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

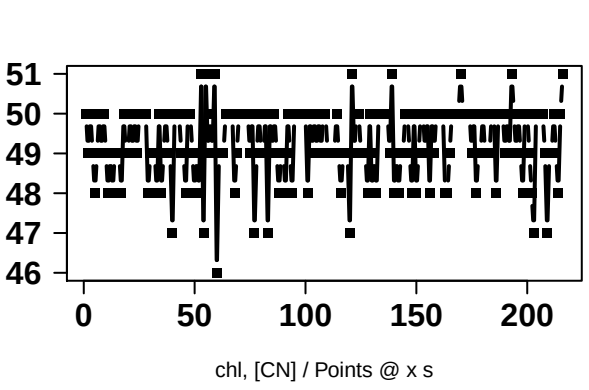

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

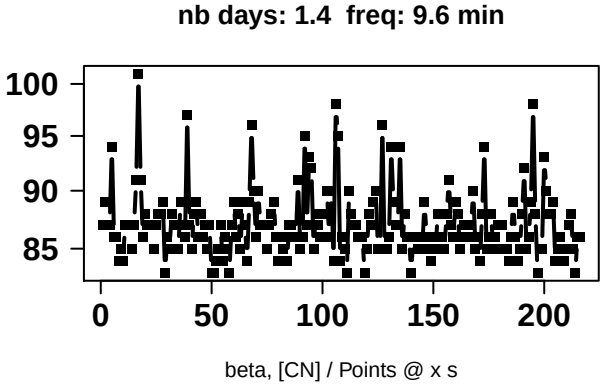

nb days: 1.4 freq: 10 min
220
200
180
160
140
120
100
80
0
50
100
150
200
beta, [CN] / Points @ x s

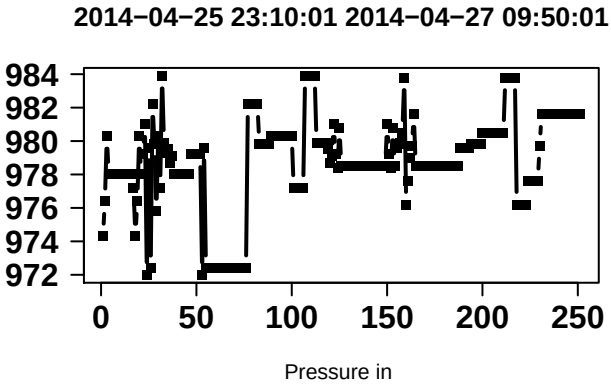

2014−04−23 22:55:56 2014−04−25 09:35:56
994
993
992
991
990
989
988
0
50
100
150
200
250
Pressure in

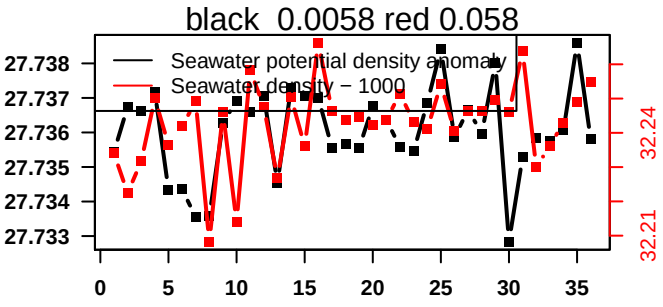

black 0.01 red 0.034
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.310
32.295
32.280
0
5
10
15
20
25
30
35

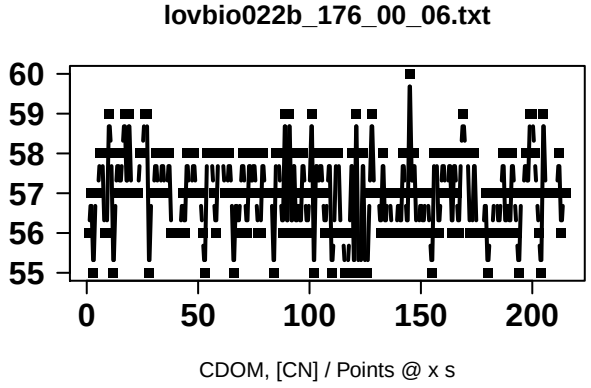

lovbio022b_175_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

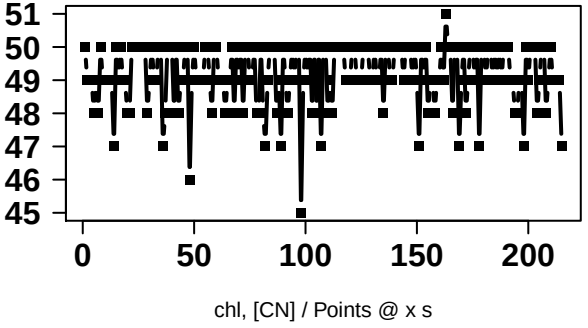

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

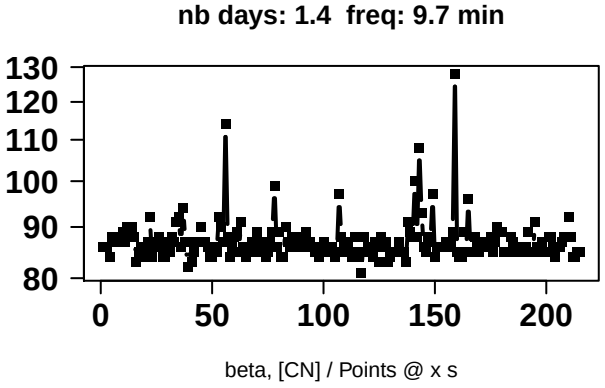

nb days: 1.4 freq: 9.6 min
100
95
90
85
0
50
100
150
200
beta, [CN] / Points @ x s

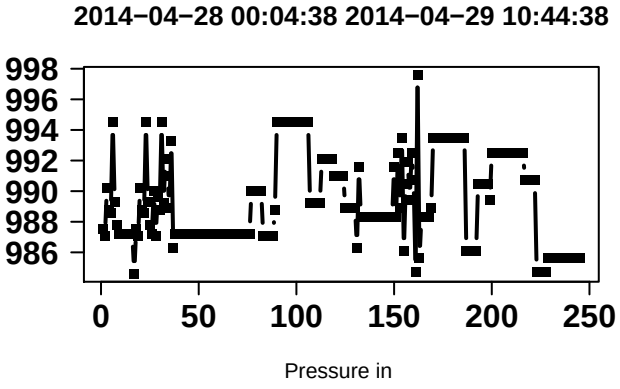

2014−04−25 23:10:01 2014−04−27 09:50:01
984
982
980
978
976
974
972
0
50
100
150
200
250
Pressure in

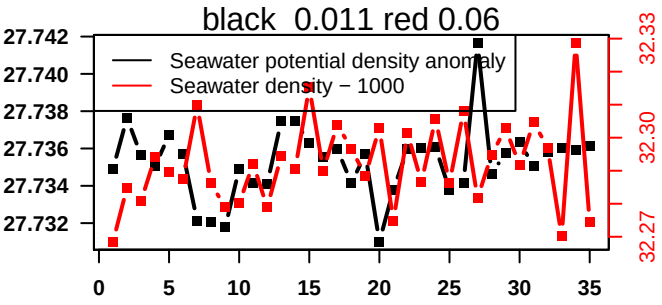

black 0.0058 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
32.24
32.21
0
5
10
15
20
25
30
35

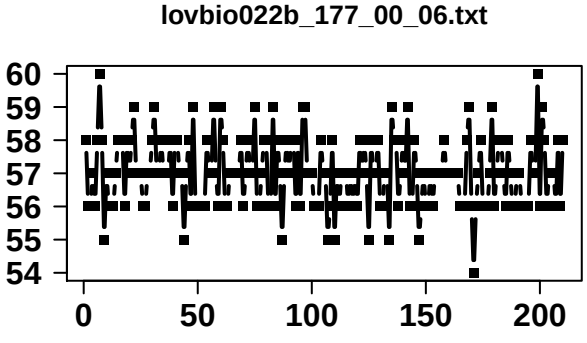

lovbio022b_176_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

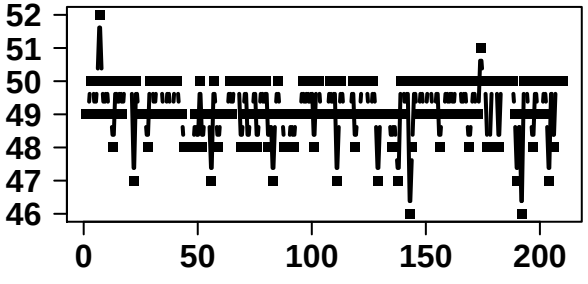

51
50
49
48
47
46
45
0
50
100
150
200
chl, [CN] / Points @ x s

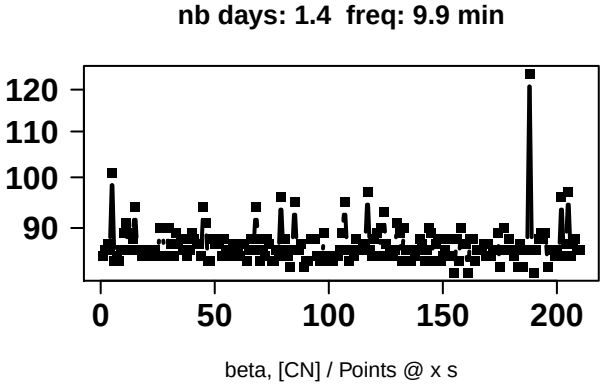

nb days: 1.4 freq: 9.7 min
130
120
110
100
90
80
0
50
100
150
200
beta, [CN] / Points @ x s

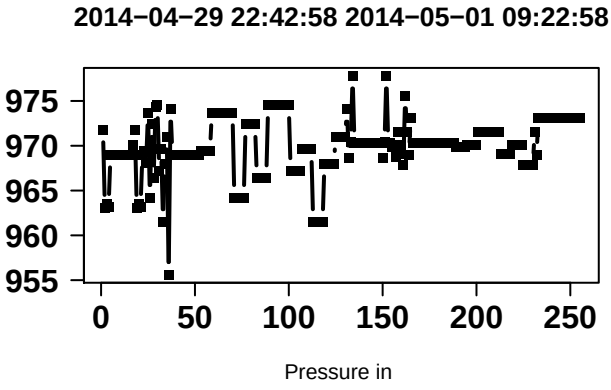

2014−04−28 00:04:38 2014−04−29 10:44:38
998
996
994
992
990
988
986
0
50
100
150
200
250
Pressure in

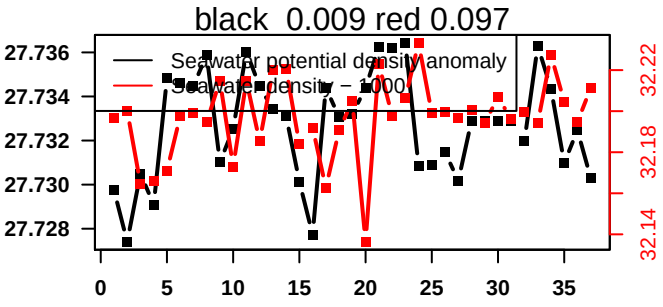

black 0.011 red 0.06
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
27.732
32.33
32.30
32.27
0
5
10
15
20
25
30
35

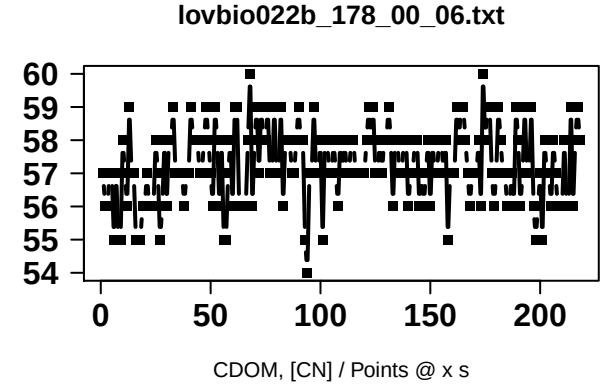

lovbio022b_177_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

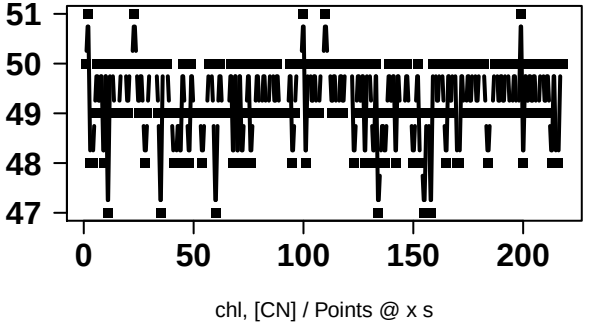

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

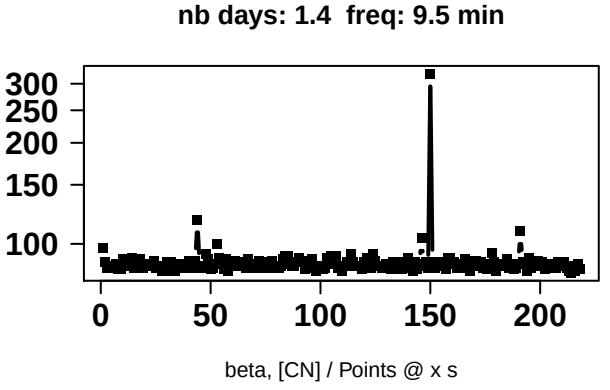

nb days: 1.4 freq: 9.9 min
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

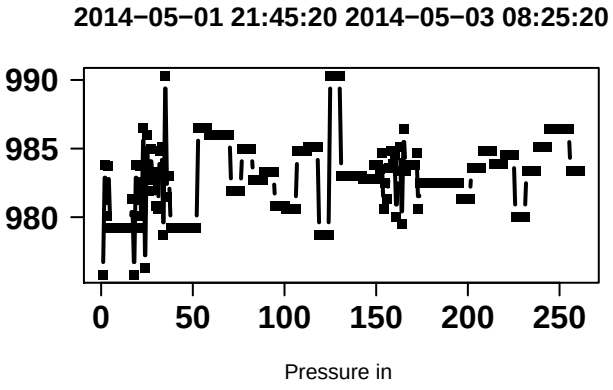

2014−04−29 22:42:58 2014−05−01 09:22:58
975
970
965
960
955
0
50
100
150
200
250
Pressure in

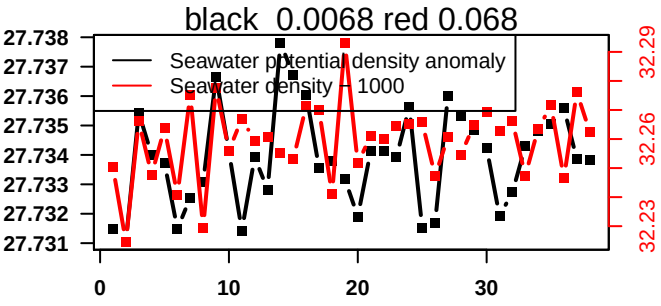

black 0.009 red 0.097
Seawater potential density anomaly
Seawater density − 1000.
27.736
27.734
27.732
27.730
27.728
32.22
32.18
32.14
0
5
10
15
20
25
30
35

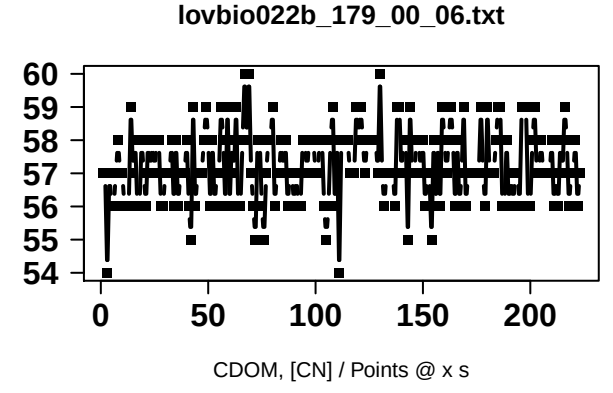

lovbio022b_178_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

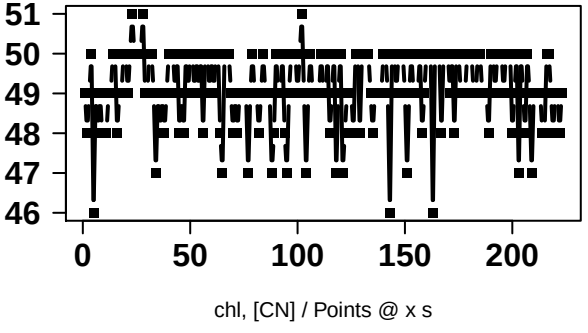

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

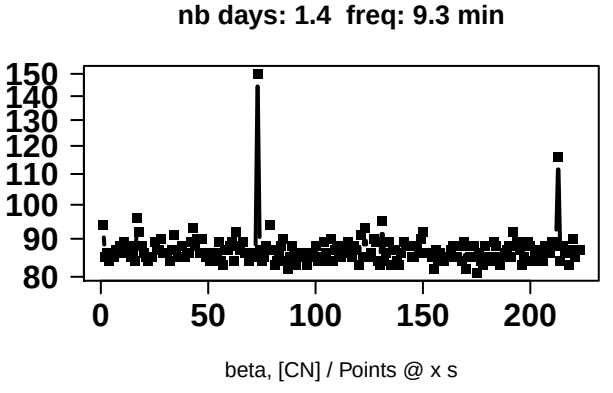

nb days: 1.4 freq: 9.5 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

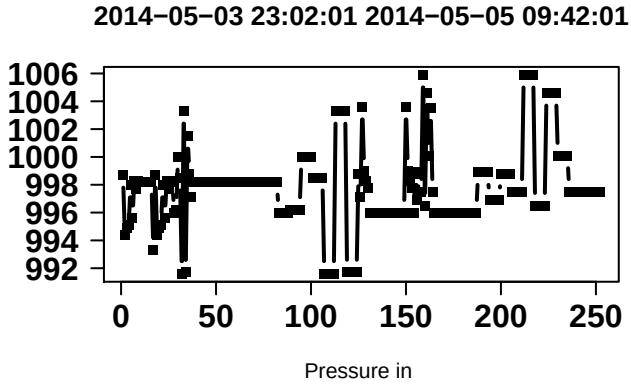

2014−05−01 21:45:20 2014−05−03 08:25:20
990
985
980
0
50
100
150
200
250
Pressure in

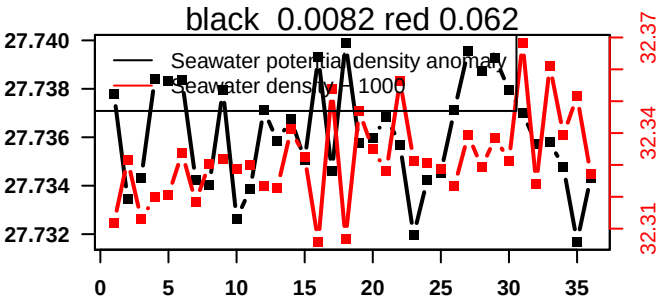

black 0.0068 red 0.068
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
27.732
27.731
32.29
32.26
32.23
0
10
20
30

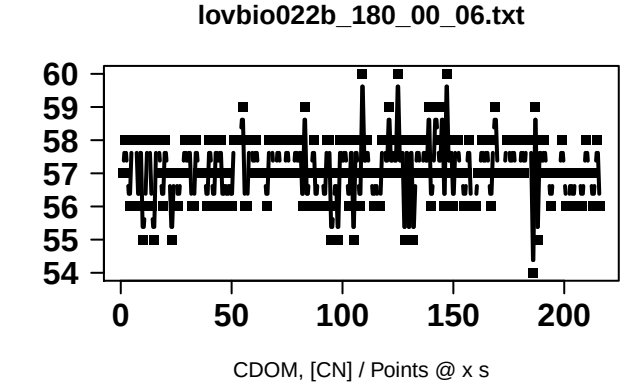

lovbio022b_179_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

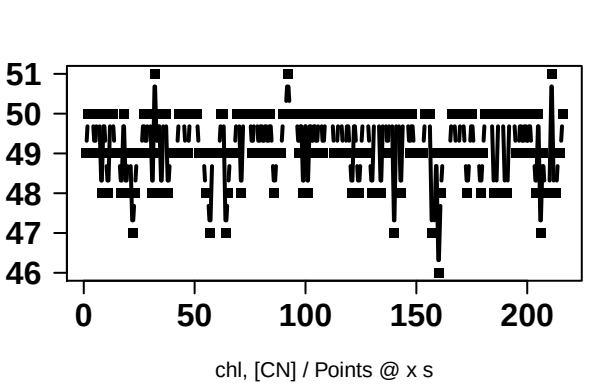

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

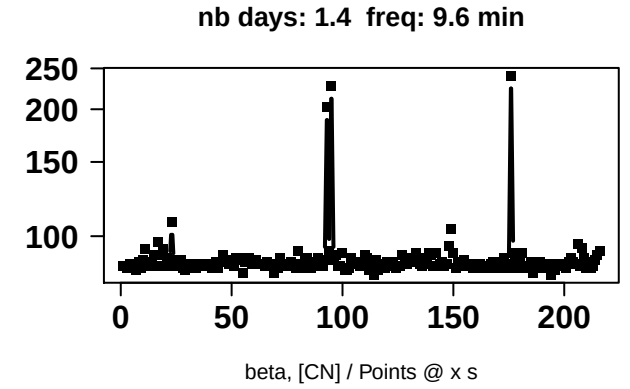

nb days: 1.4 freq: 9.3 min
150
140
130
120
110
100
90
80
0
50
100
150
200
beta, [CN] / Points @ x s

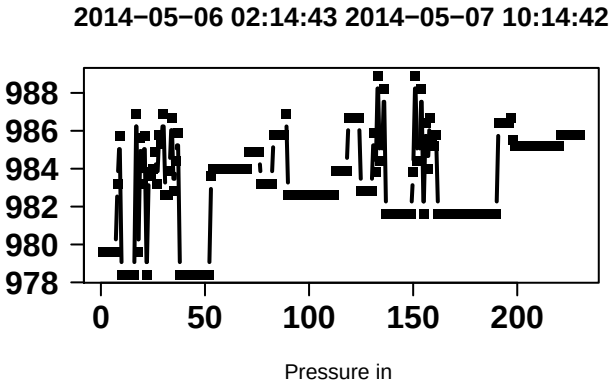

2014−05−03 23:02:01 2014−05−05 09:42:01
1006
1004
1002
1000
998
996
994
992
0
50
100
150
200
250
Pressure in

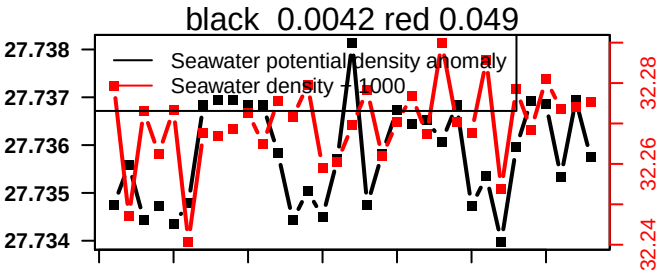

black 0.0082 red 0.062
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.37
32.34
32.31
0
5
10
15
20
25
30
35

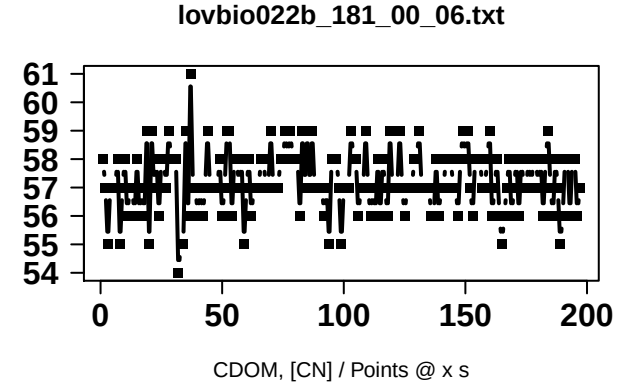

lovbio022b_180_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

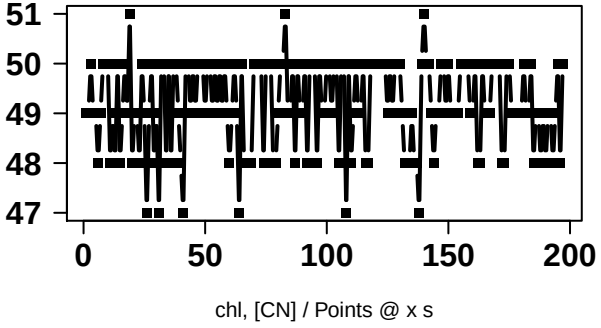

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

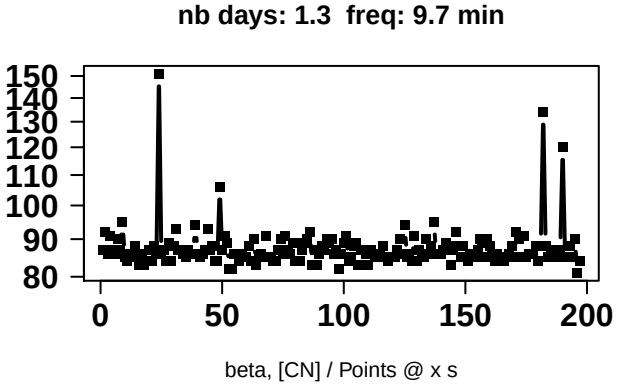

nb days: 1.4 freq: 9.6 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

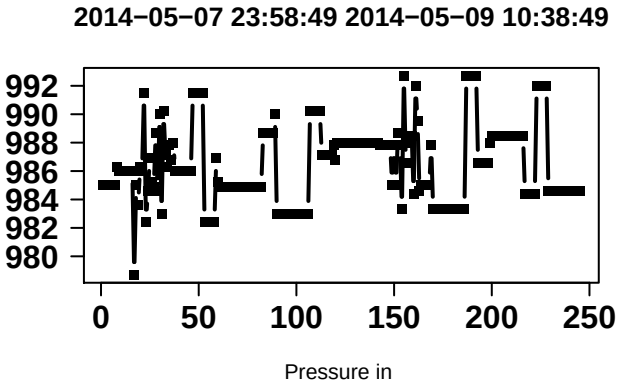

2014−05−06 02:14:43 2014−05−07 10:14:42
988
986
984
982
980
978
0
50
100
150
200
Pressure in

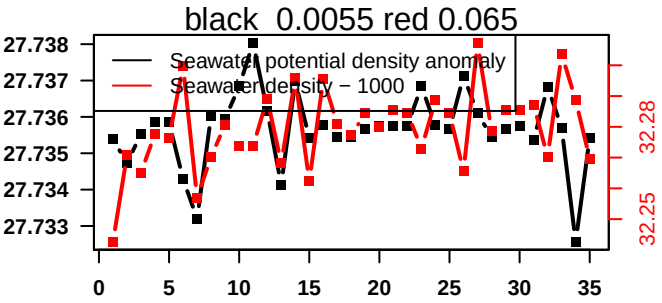

black 0.0042 red 0.049
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
32.28
32.26
32.24
0
5
10
15
20
25
30

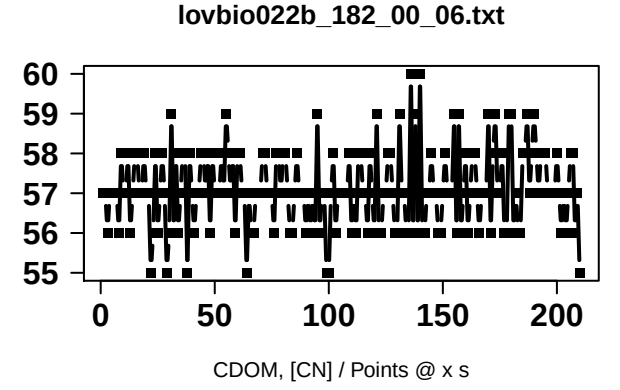

lovbio022b_181_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

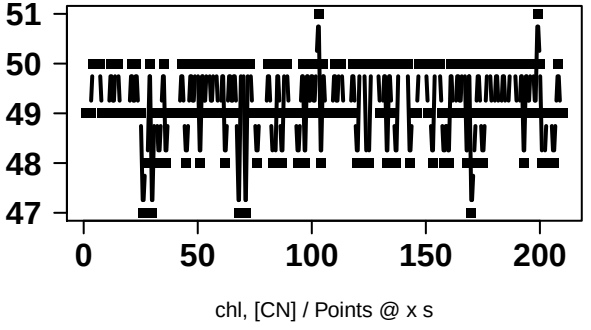

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

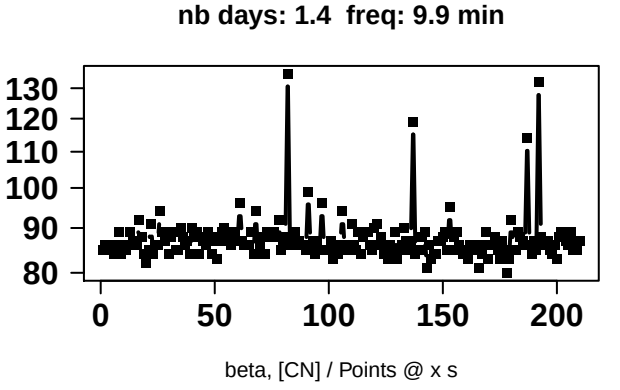

nb days: 1.3 freq: 9.7 min
150
140
130
120
110
100
90
80
0
50
100
150
200
beta, [CN] / Points @ x s

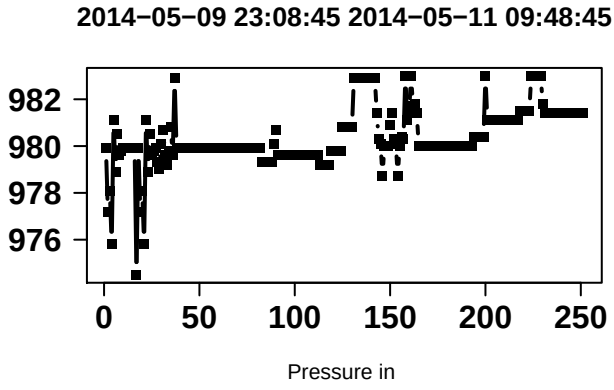

2014−05−07 23:58:49 2014−05−09 10:38:49
992
990
988
986
984
982
980
0
50
100
150
200
250
Pressure in

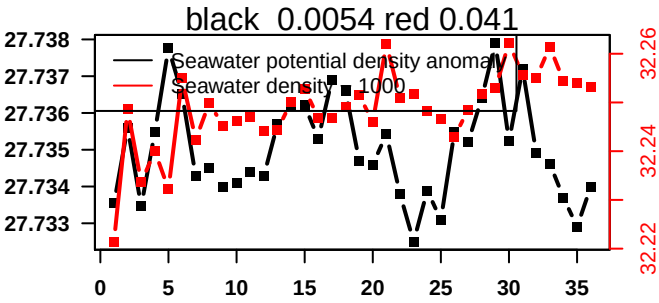

black 0.0055 red 0.065
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
32.28
32.25
0
5
10
15
20
25
30
35

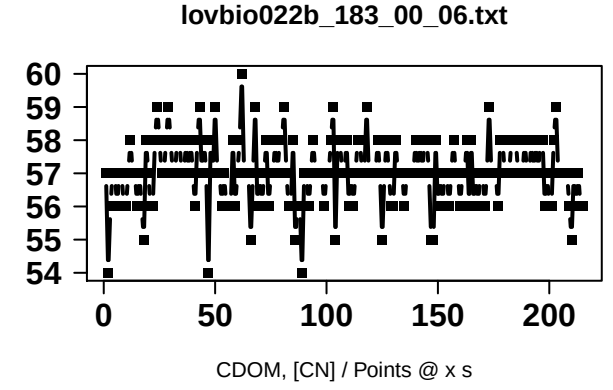

lovbio022b_182_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

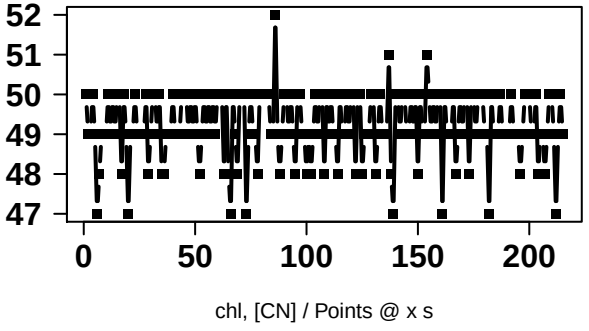

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

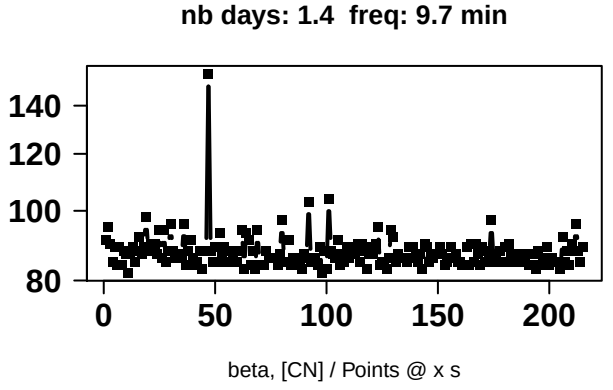

nb days: 1.4 freq: 9.9 min
130
120
110
100
90
80
0
50
100
150
200
beta, [CN] / Points @ x s

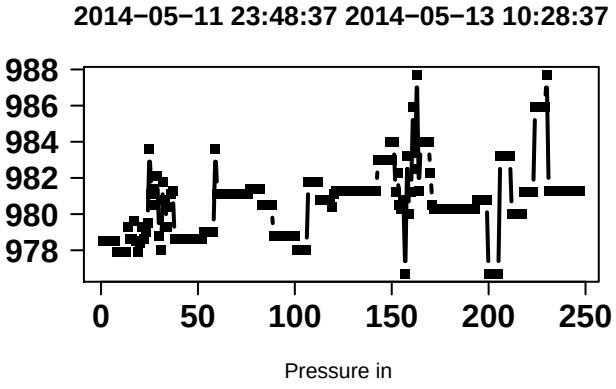

2014−05−09 23:08:45 2014−05−11 09:48:45
982
980
978
976
0
50
100
150
200
250
Pressure in

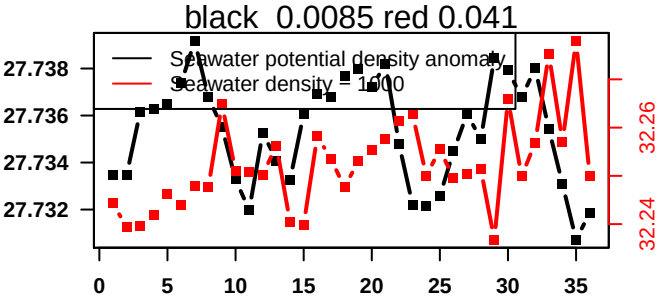

black 0.0054 red 0.041
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
32.26
32.24
32.22
0
5
10
15
20
25
30
35

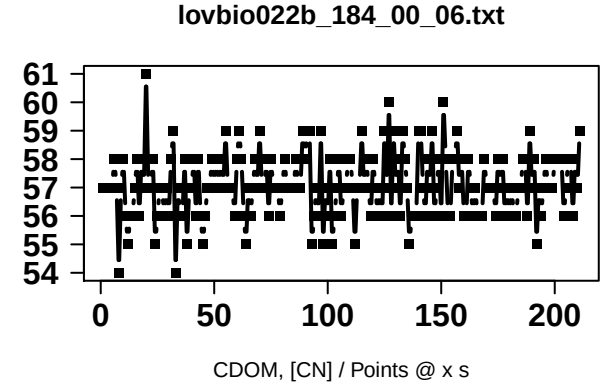

lovbio022b_183_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

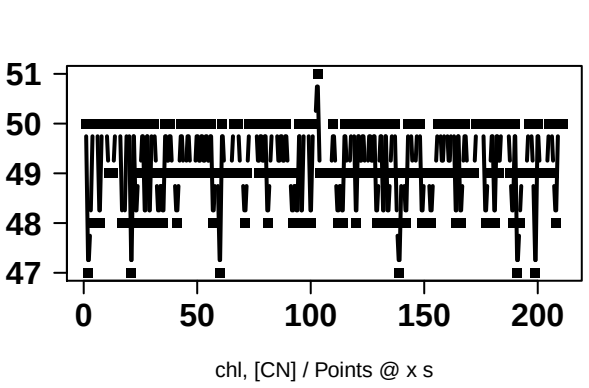

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

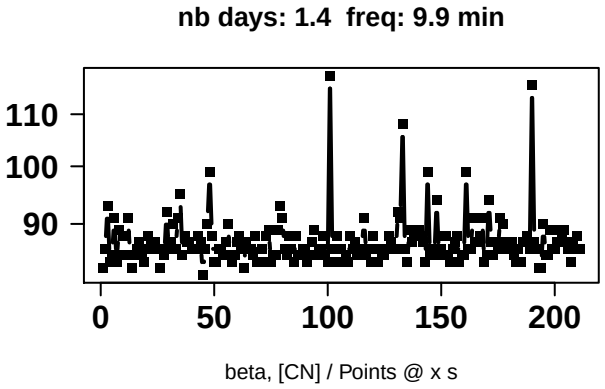

nb days: 1.4 freq: 9.7 min
140
120
100
80
0
50
100
150
200
beta, [CN] / Points @ x s

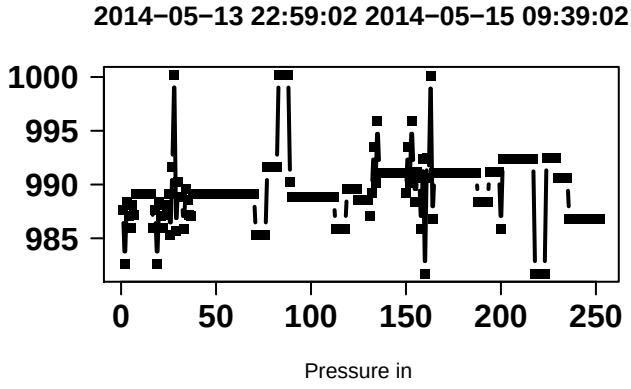

2014−05−11 23:48:37 2014−05−13 10:28:37
988
986
984
982
980
978
0
50
100
150
200
250
Pressure in

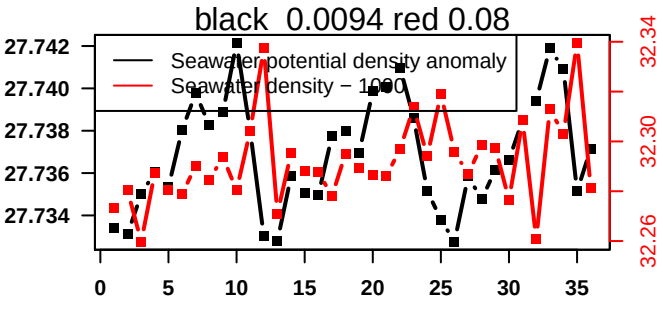

black 0.0085 red 0.041
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
32.26
32.24
0
5
10
15
20
25
30
35

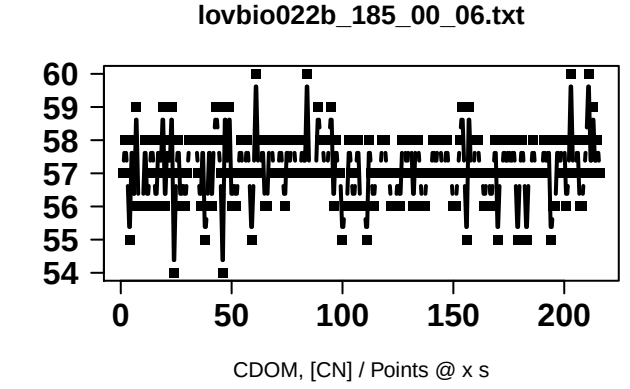

lovbio022b_184_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

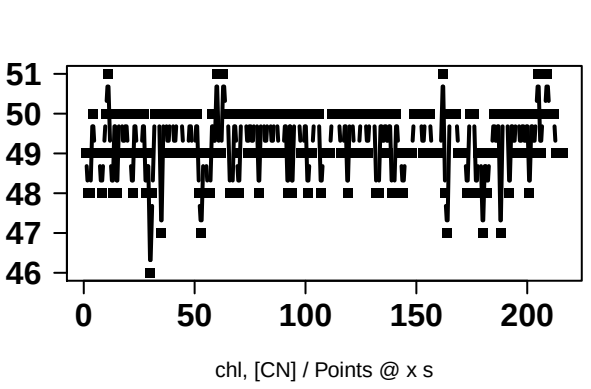

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

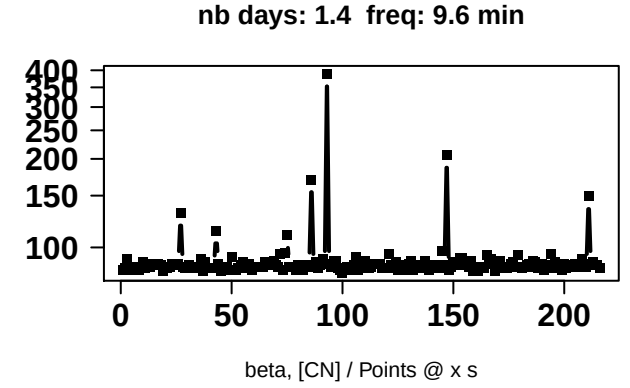

nb days: 1.4 freq: 9.9 min
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

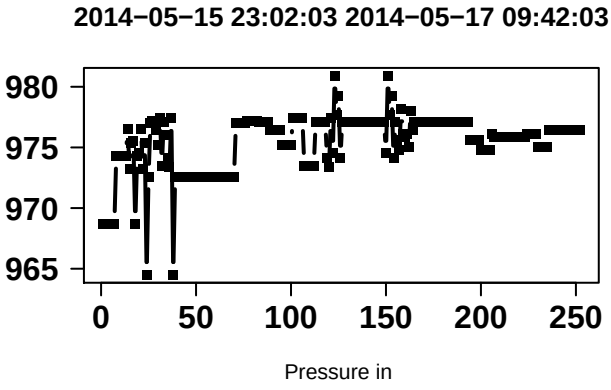

2014−05−13 22:59:02 2014−05−15 09:39:02
1000
995
990
985
0
50
100
150
200
250
Pressure in

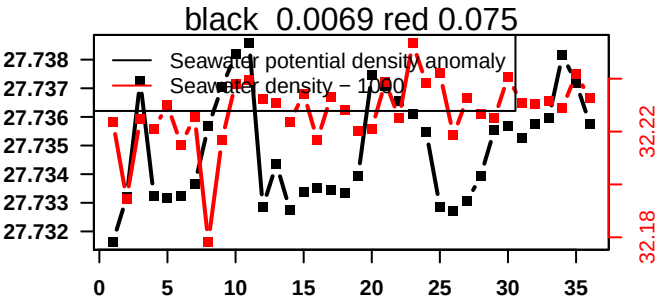

black 0.0094 red 0.08
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
32.34
32.30
32.26
0
5
10
15
20
25
30
35

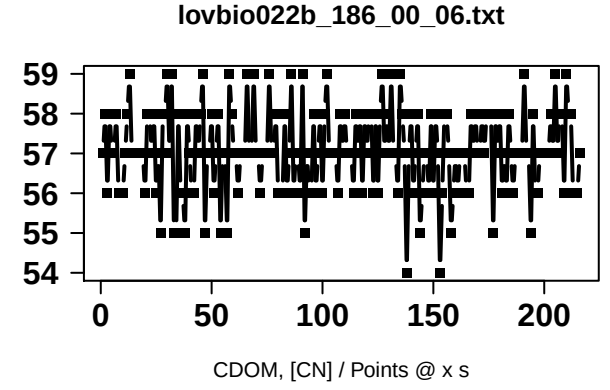

lovbio022b_185_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

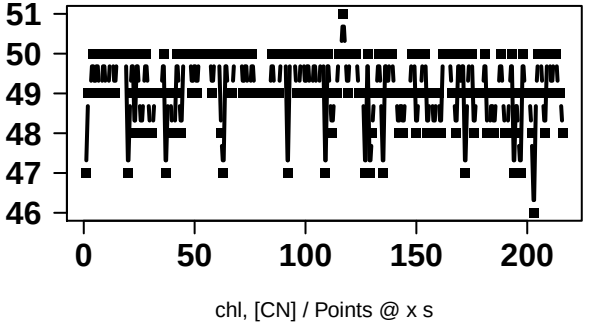

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

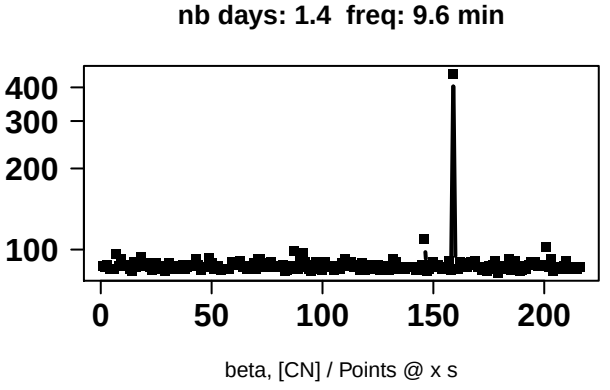

nb days: 1.4 freq: 9.6 min
400
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

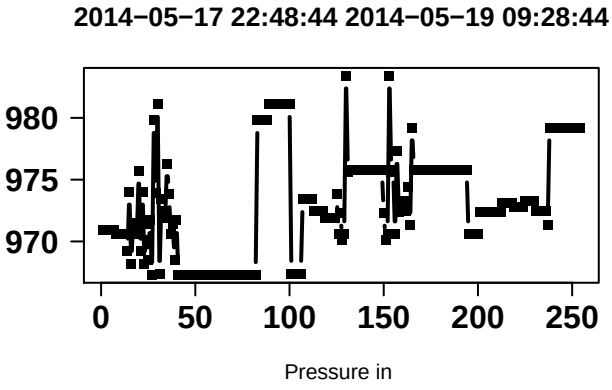

2014−05−15 23:02:03 2014−05−17 09:42:03
980
975
970
965
0
50
100
150
200
250
Pressure in

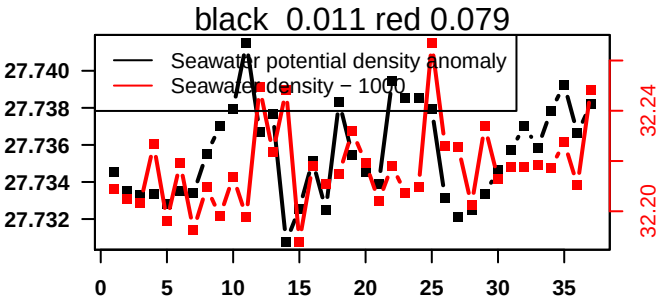

black 0.0069 red 0.075
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
27.732
32.22
32.18
0
5
10
15
20
25
30
35

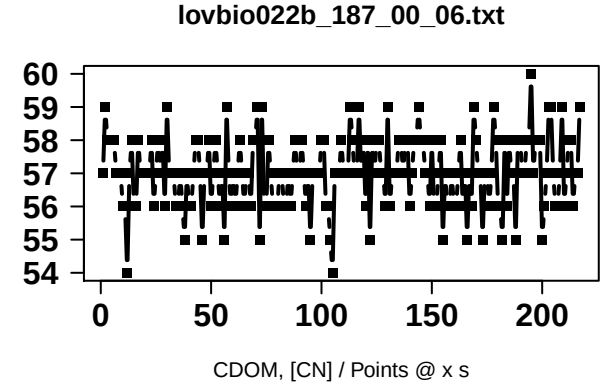

lovbio022b_186_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

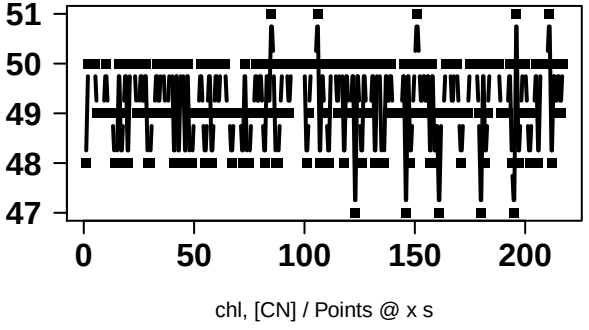

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

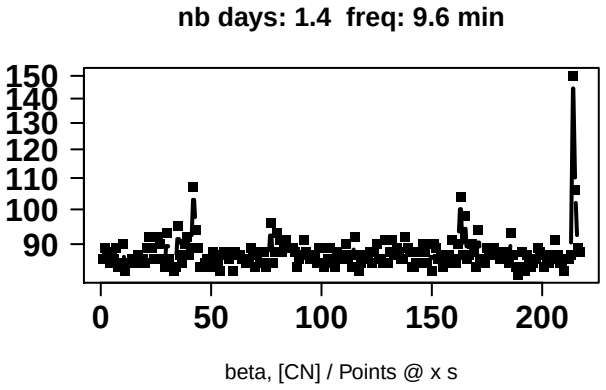

nb days: 1.4 freq: 9.6 min
400
300
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

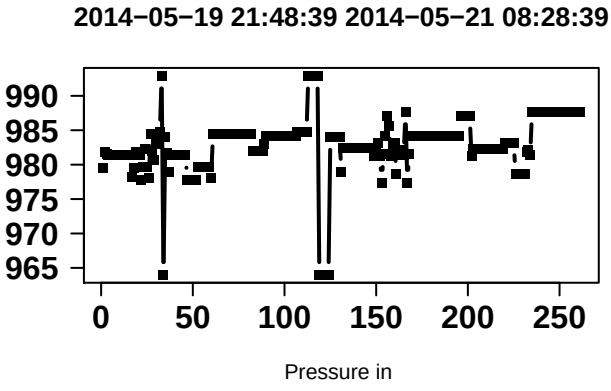

2014−05−17 22:48:44 2014−05−19 09:28:44
980
975
970
0
50
100
150
200
250
Pressure in

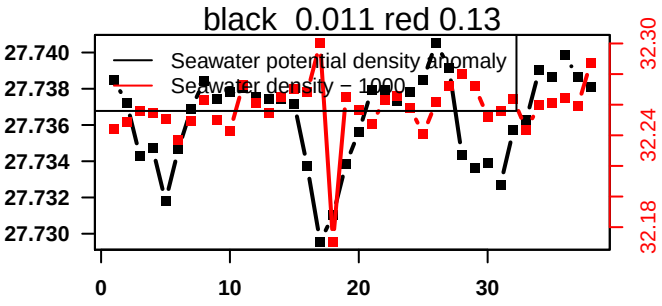

black 0.011 red 0.079
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.24
32.20
0
5
10
15
20
25
30
35

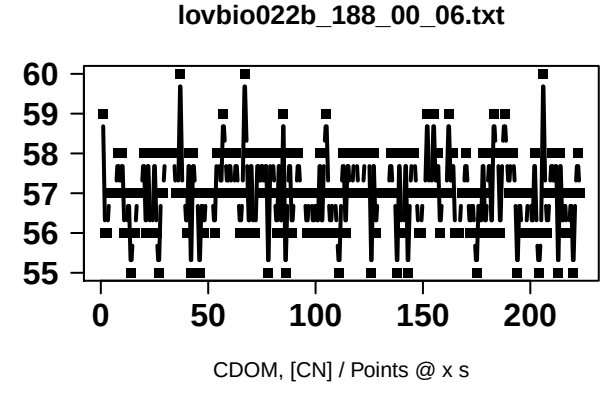

lovbio022b_187_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

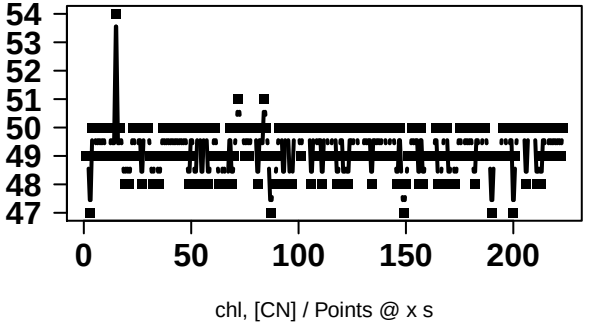

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

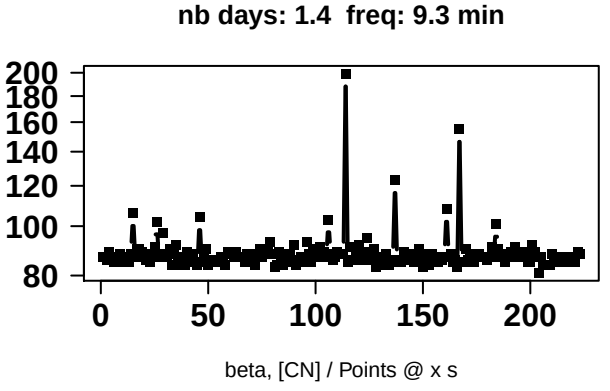

nb days: 1.4 freq: 9.6 min
150
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

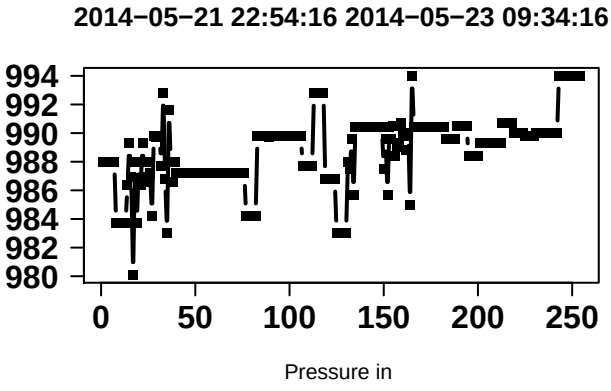

2014−05−19 21:48:39 2014−05−21 08:28:39
990
985
980
975
970
965
0
50
100
150
200
250
Pressure in

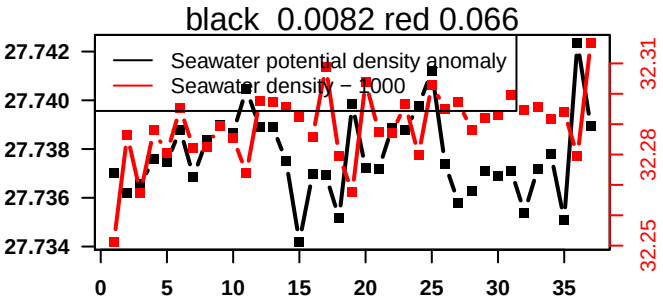

black 0.011 red 0.13
27.740
27.738
27.736
27.734
27.732
27.730
Seawater potential density anomaly
Seawater density − 1000
32.30
32.24
32.18
0
10
20
30

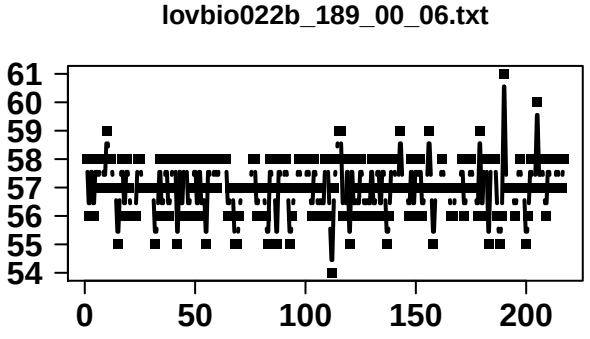

lovbio022b_188_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

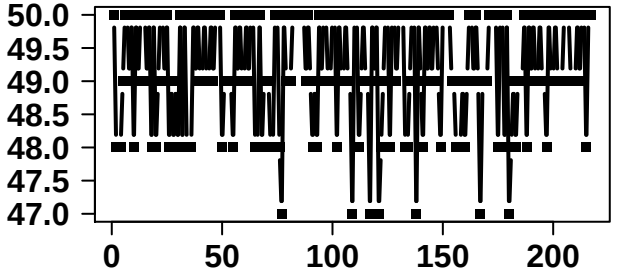

54
53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

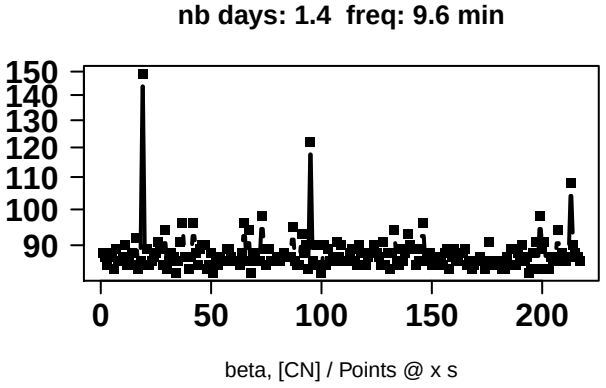

nb days: 1.4 freq: 9.3 min
200
180
160
140
120
100
80
0
50
100
150
200
beta, [CN] / Points @ x s

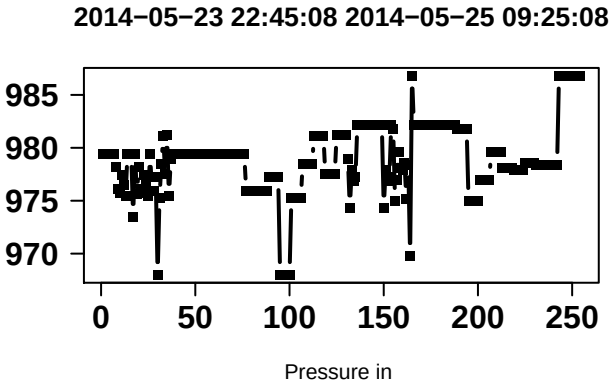

2014−05−21 22:54:16 2014−05−23 09:34:16
994
992
990
988
986
984
982
980
0
50
100
150
200
250
Pressure in

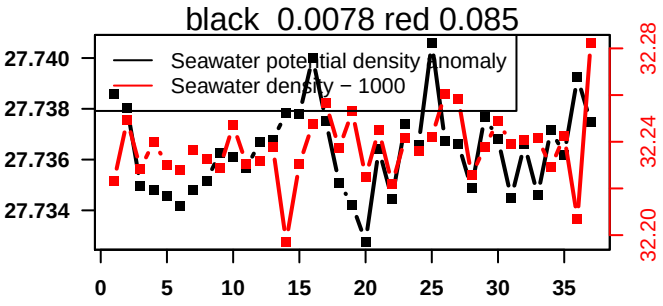

black 0.0082 red 0.066
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
32.31
32.28
32.25
0
5
10
15
20
25
30
35

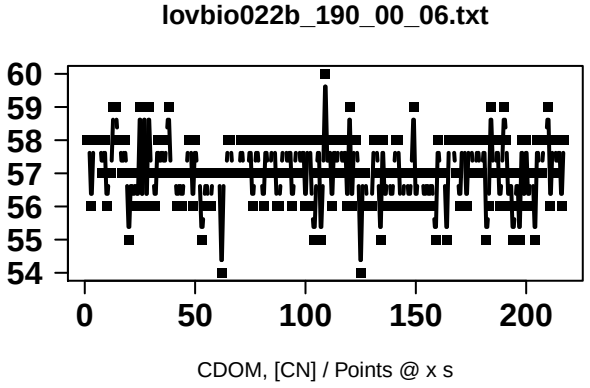

lovbio022b_189_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

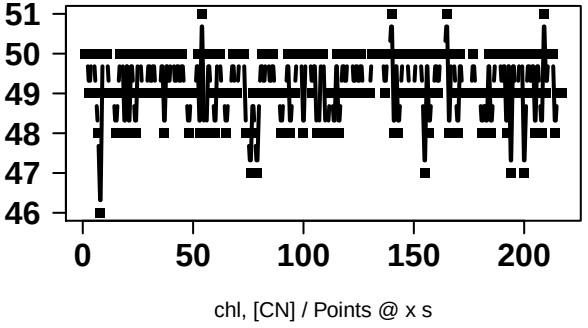

50.0
49.5
49.0
48.5
48.0
47.5
47.0
0
50
100
150
200
chl, [CN] / Points @ x s

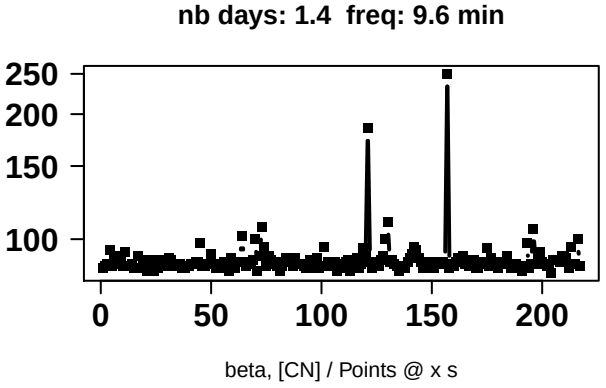

nb days: 1.4 freq: 9.6 min
150
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

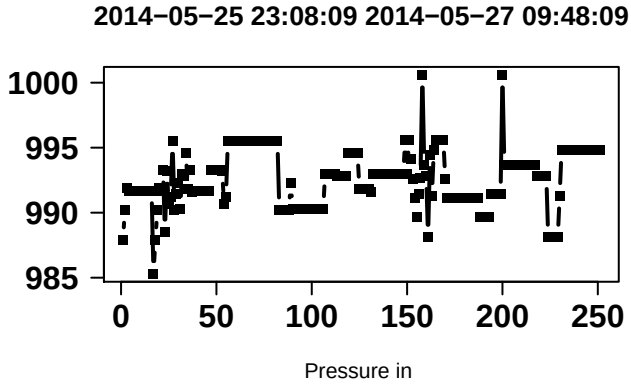

2014−05−23 22:45:08 2014−05−25 09:25:08
985
980
975
970
0
50
100
150
200
250
Pressure in

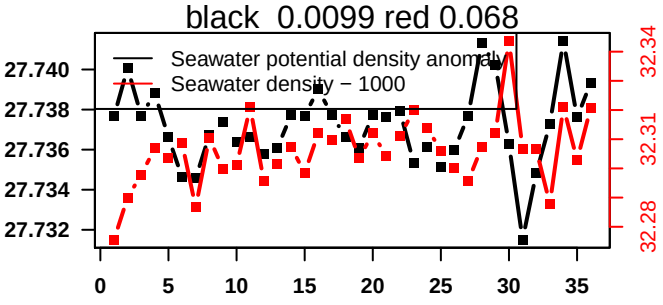

black 0.0078 red 0.085
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
32.28
32.24
32.20
0
5
10
15
20
25
30
35

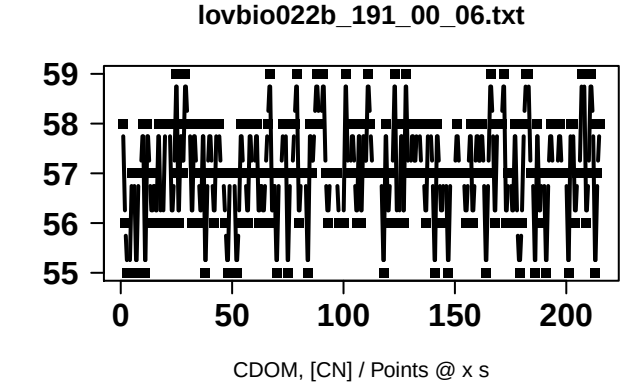

lovbio022b_190_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

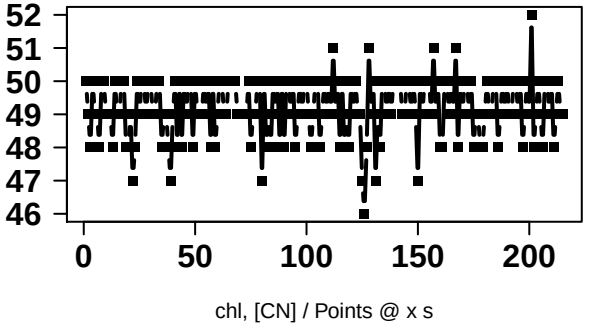

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

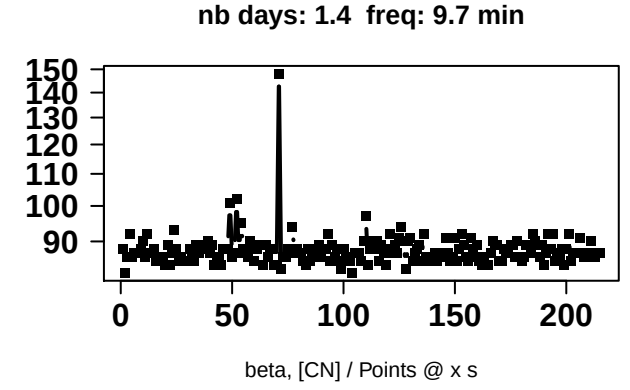

nb days: 1.4 freq: 9.6 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

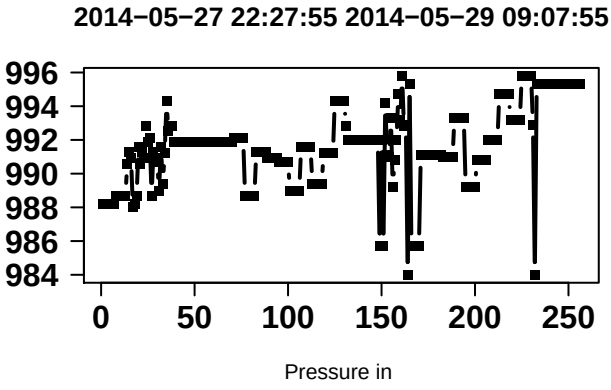

2014−05−25 23:08:09 2014−05−27 09:48:09
1000
995
990
985
0
50
100
150
200
250
Pressure in

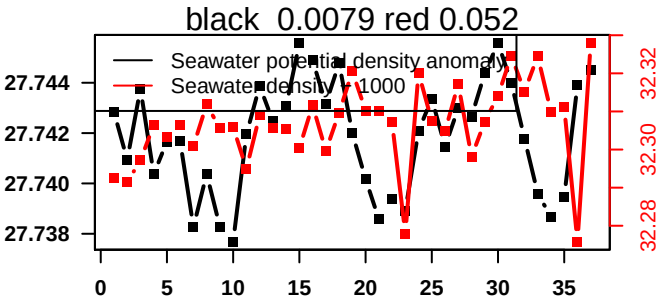

black 0.0099 red 0.068
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.34
32.31
32.28
0
5
10
15
20
25
30
35

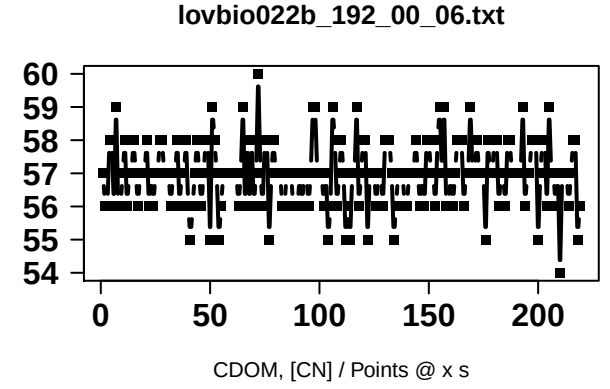

lovbio022b_191_00_06.txt
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

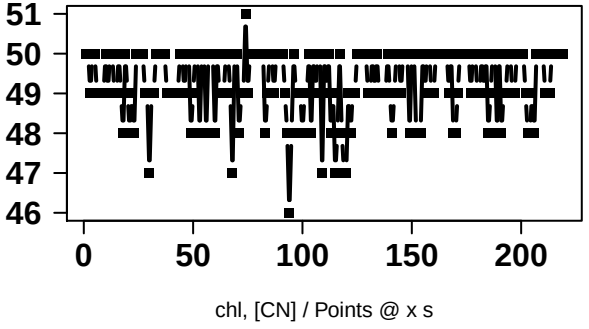

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

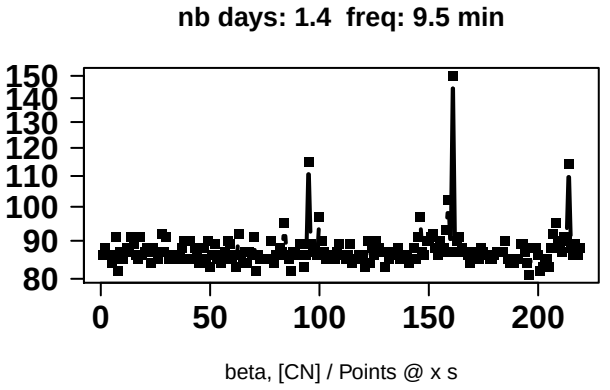

nb days: 1.4 freq: 9.7 min
150
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

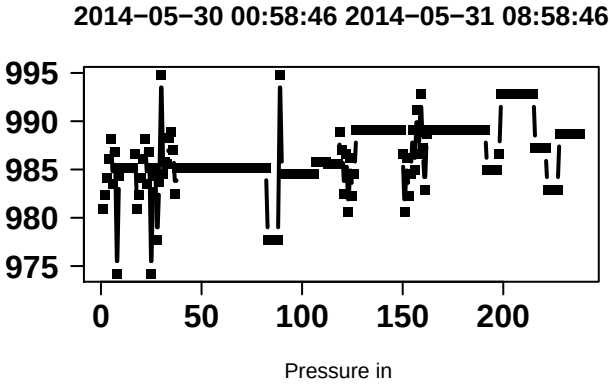

2014−05−27 22:27:55 2014−05−29 09:07:55
996
994
992
990
988
986
984
0
50
100
150
200
250
Pressure in

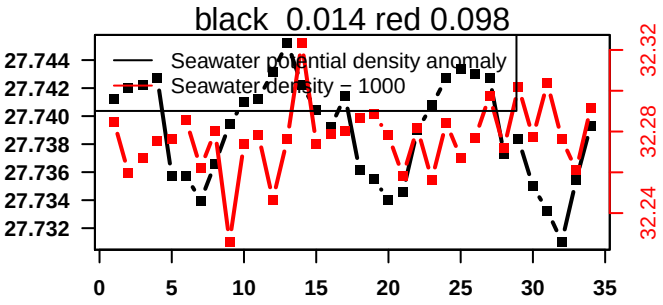

black 0.0079 red 0.052
Seawater potential density anomaly
Seawater density − 1000
27.744
27.742
27.740
27.738
32.32
32.30
32.28
0
5
10
15
20
25
30
35

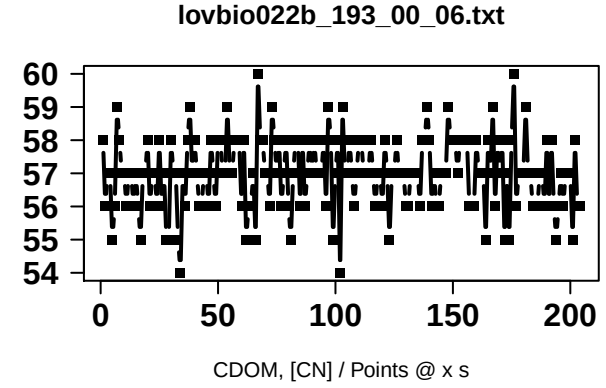

lovbio022b_192_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

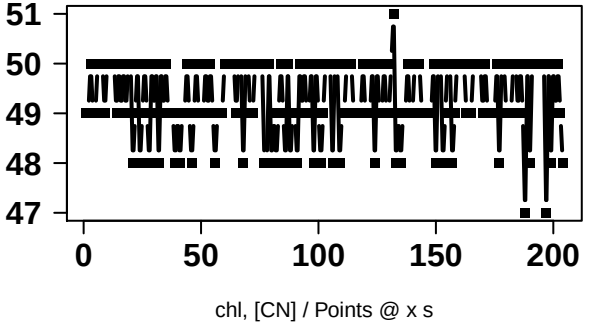

51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

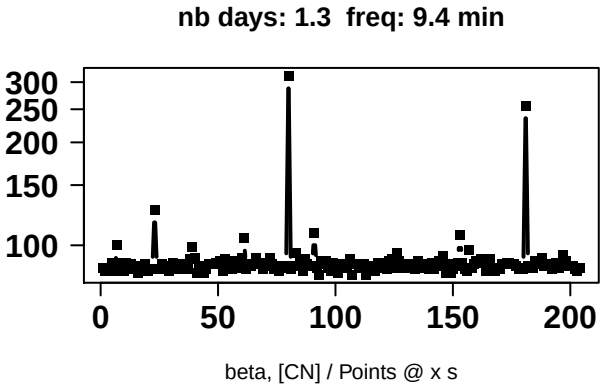

nb days: 1.4 freq: 9.5 min
150
140
130
120
110
100
90
80
0
50
100
150
200
beta, [CN] / Points @ x s

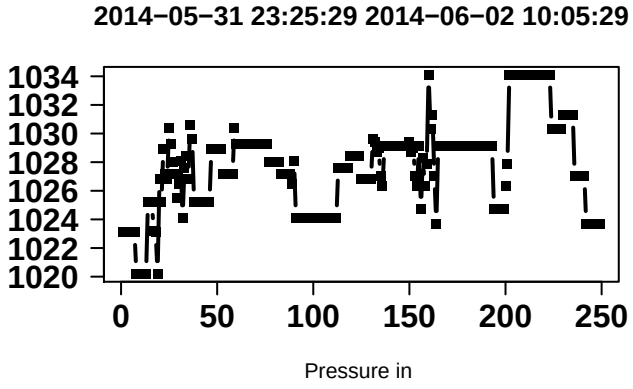

2014−05−30 00:58:46 2014−05−31 08:58:46
995
990
985
980
975
0
50
100
150
200
Pressure in

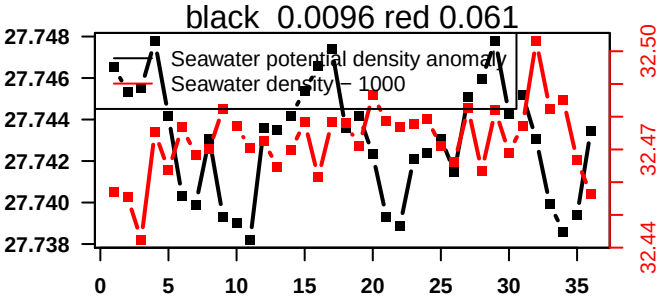

black 0.014 red 0.098
Seawater potential density anomaly
Seawater density − 1000
27.744
27.742
27.740
27.738
27.736
27.734
27.732
32.32
32.28
32.24
0
5
10
15
20
25
30
35

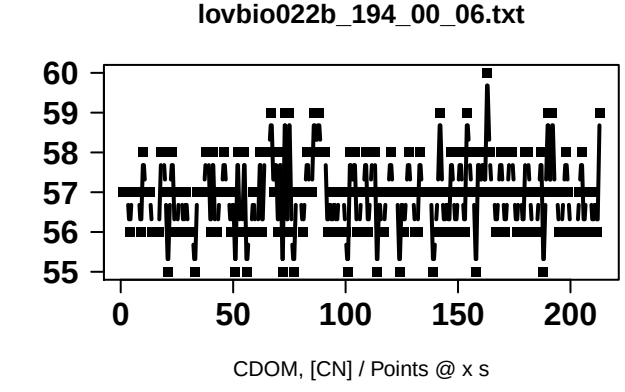

lovbio022b_193_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

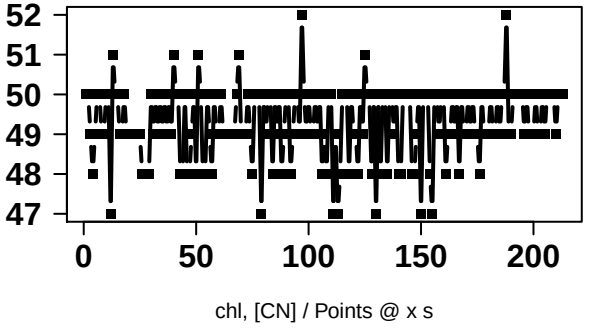

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

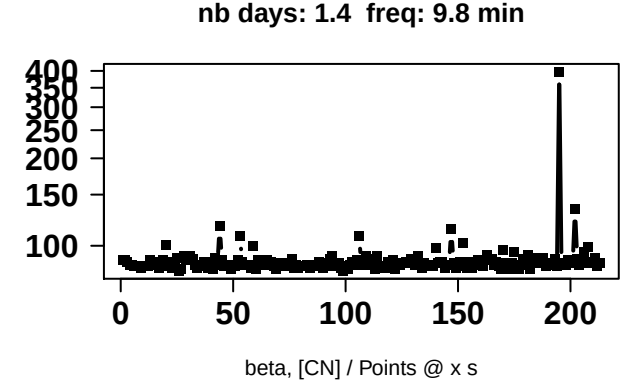

nb days: 1.3 freq: 9.4 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

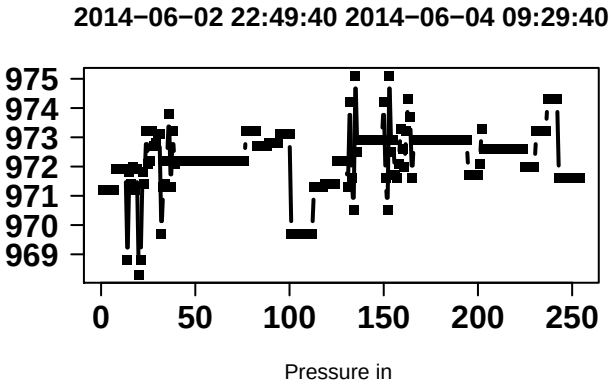

2014−05−31 23:25:29 2014−06−02 10:05:29
1034
1032
1030
1028
1026
1024
1022
1020
0
50
100
150
200
250
Pressure in

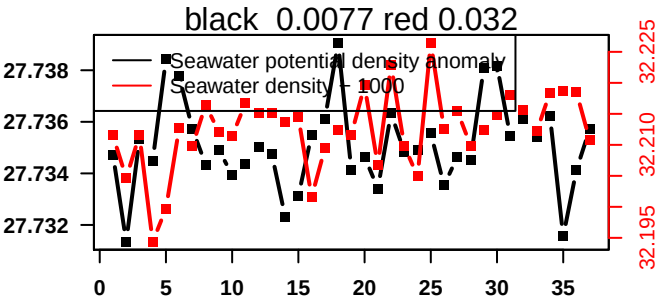

black 0.0096 red 0.061
Seawater potential density anomaly
Seawater density − 1000
27.748
27.746
27.744
27.742
27.740
27.738
32.50
32.47
32.44
0
5
10
15
20
25
30
35

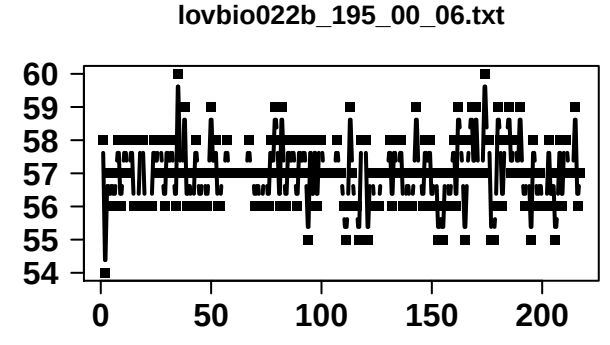

lovbio022b_194_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

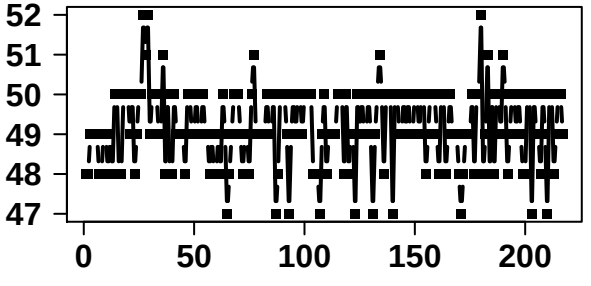

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

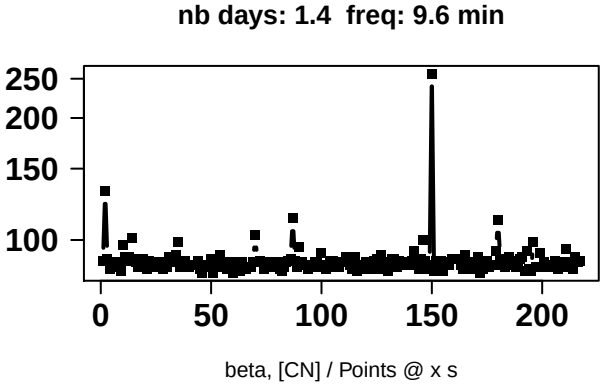

nb days: 1.4 freq: 9.8 min
400
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

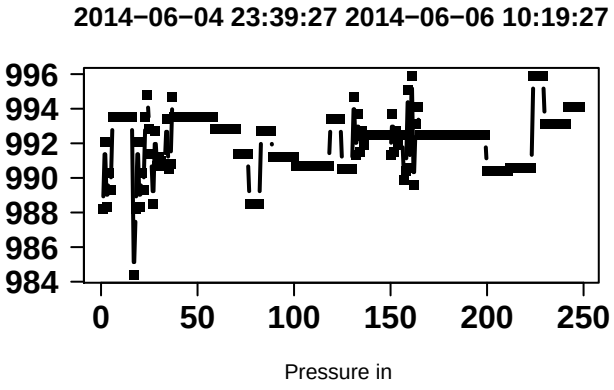

2014−06−02 22:49:40 2014−06−04 09:29:40
975
974
973
972
971
970
969
0
50
100
150
200
250
Pressure in

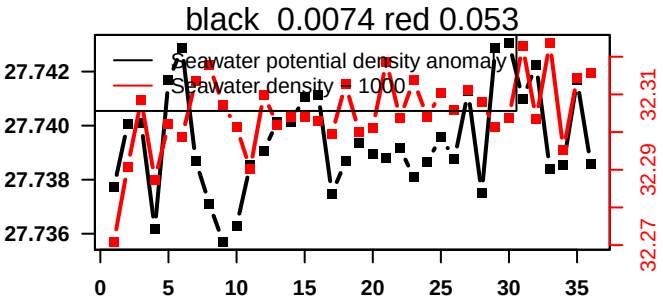

black 0.0077 red 0.032
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
32.225
32.210
32.195
0
5
10
15
20
25
30
35

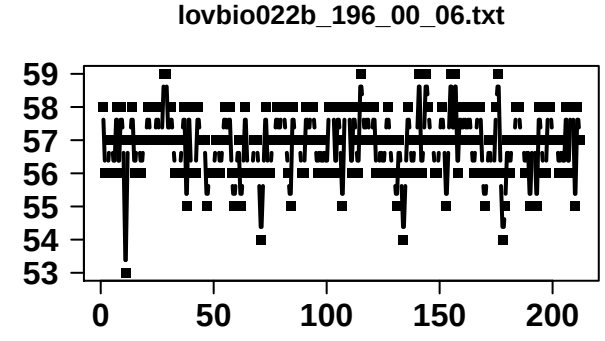

lovbio022b_195_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

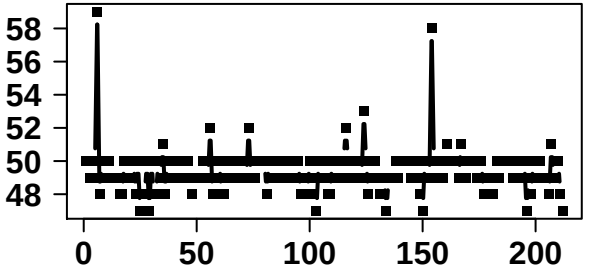

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

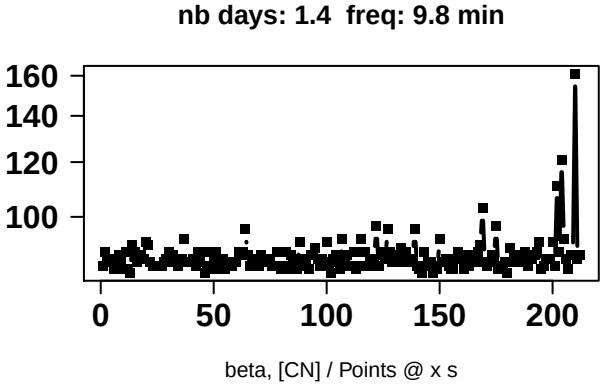

nb days: 1.4 freq: 9.6 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

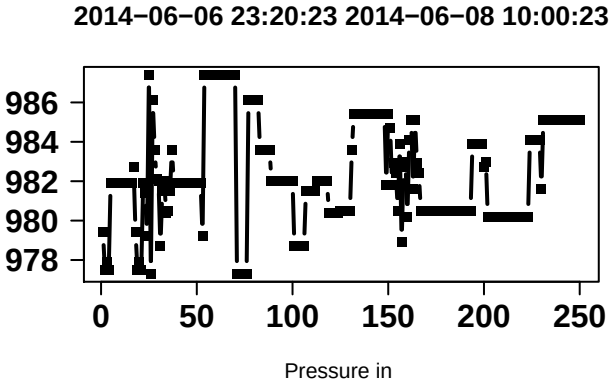

2014−06−04 23:39:27 2014−06−06 10:19:27
996
994
992
990
988
986
984
0
50
100
150
200
250
Pressure in

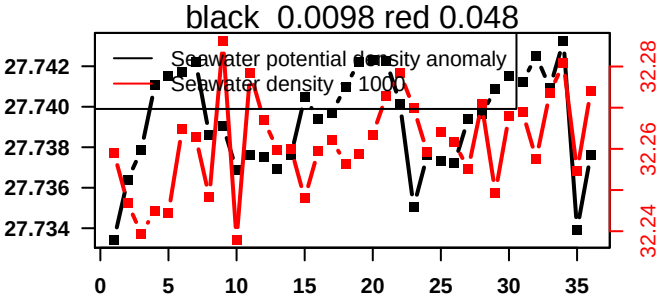

black 0.0074 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
32.31
32.29
32.27
0
5
10
15
20
25
30
35

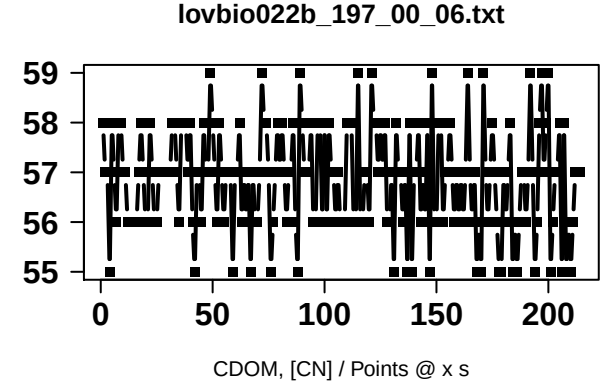

lovbio022b_196_00_06.txt
59
58
57
56
55
54
53
0
50
100
150
200
CDOM, [CN] / Points @ x s

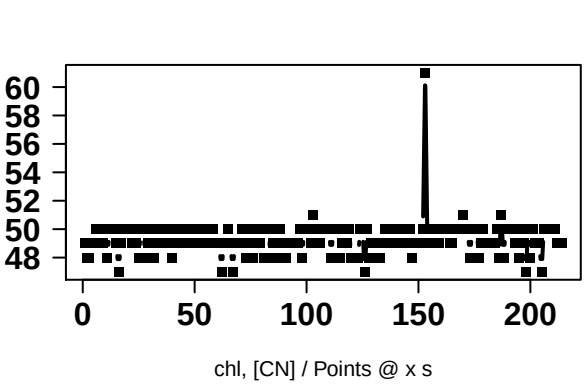

58
56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

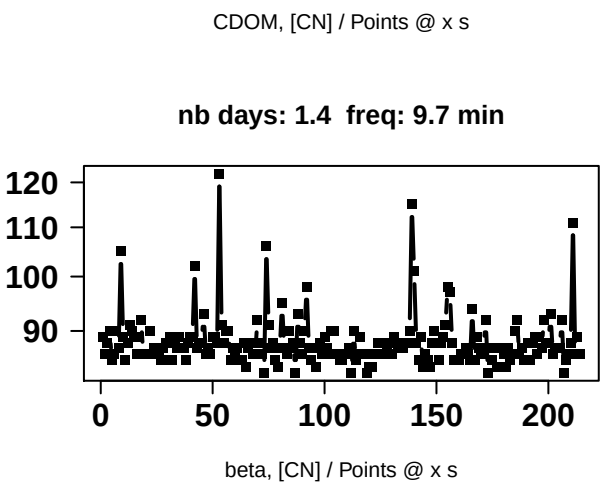

nb days: 1.4 freq: 9.8 min
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

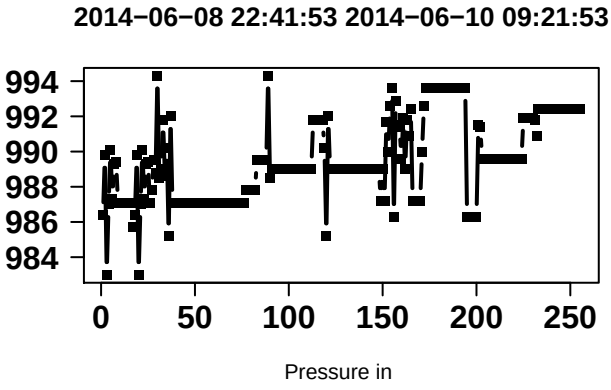

2014−06−06 23:20:23 2014−06−08 10:00:23
986
984
982
980
978
0
50
100
150
200
250
Pressure in

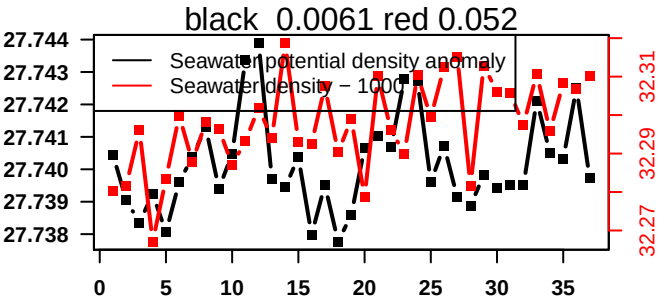

black 0.0098 red 0.048
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
32.28
32.26
32.24
0
5
10
15
20
25
30
35

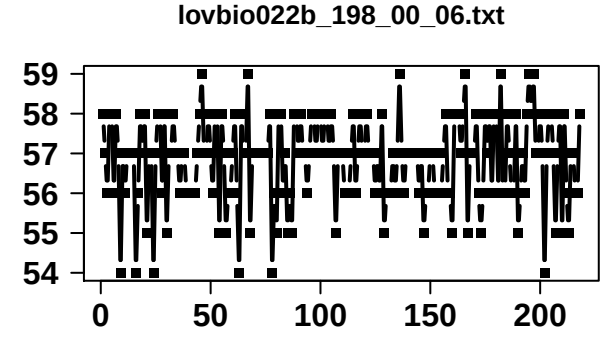

lovbio022b_197_00_06.txt
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

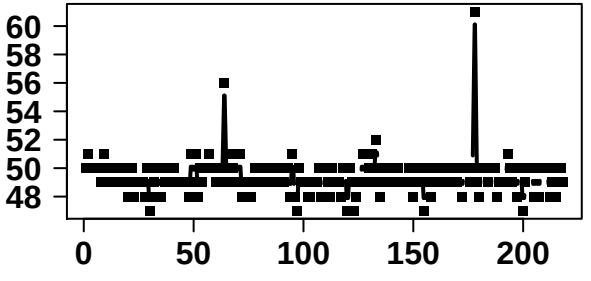

60
58
56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

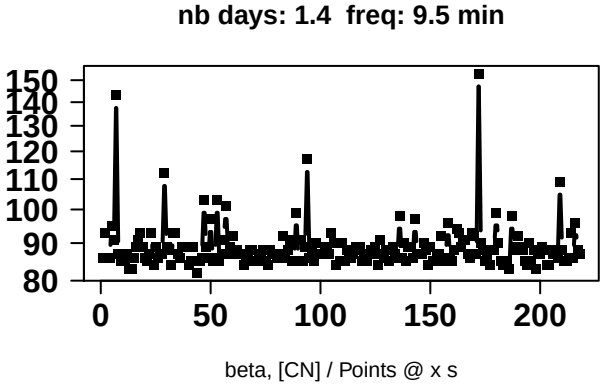

nb days: 1.4 freq: 9.7 min
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

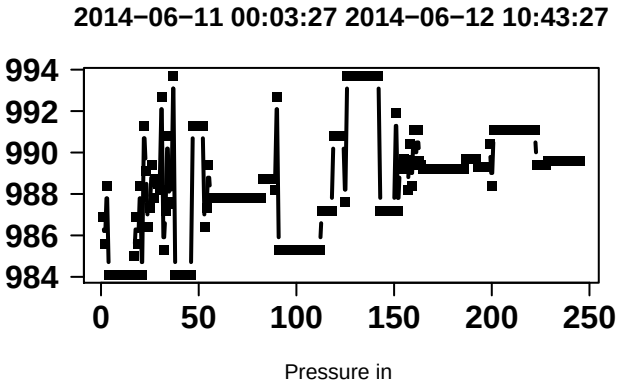

2014−06−08 22:41:53 2014−06−10 09:21:53
994
992
990
988
986
984
0
50
100
150
200
250
Pressure in

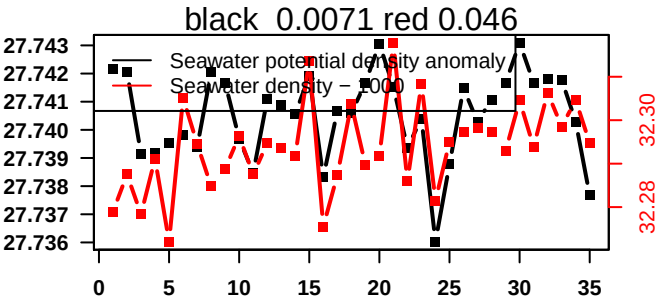

black 0.0061 red 0.052
Seawater potential density anomaly
Seawater density − 1000
27.744
27.743
27.742
27.741
27.740
27.739
27.738
32.31
32.29
32.27
0
5
10
15
20
25
30
35

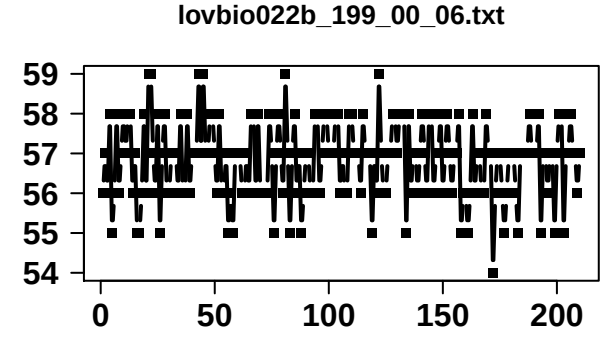

lovbio022b_198_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

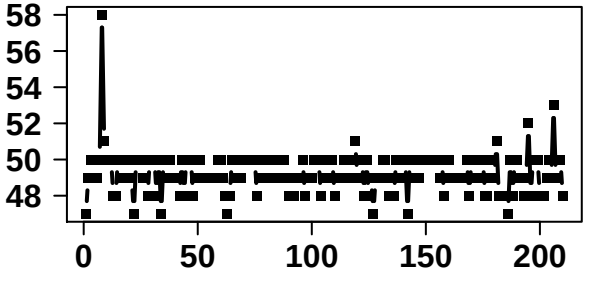

60
58
56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

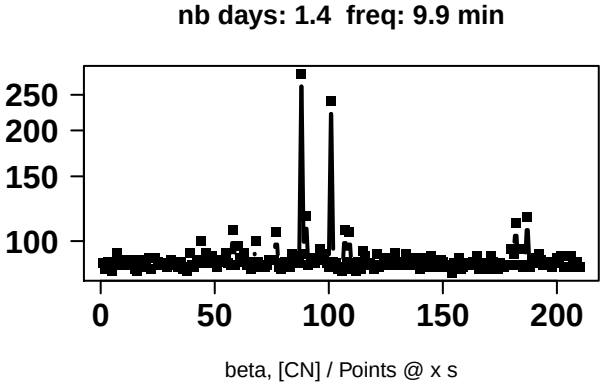

nb days: 1.4 freq: 9.5 min
150
140
130
120
110
100
90
80
0
50
100
150
200
beta, [CN] / Points @ x s

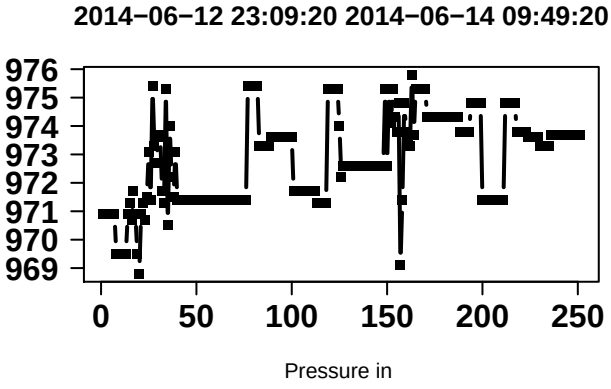

2014−06−11 00:03:27 2014−06−12 10:43:27
994
992
990
988
986
984
0
50
100
150
200
250
Pressure in

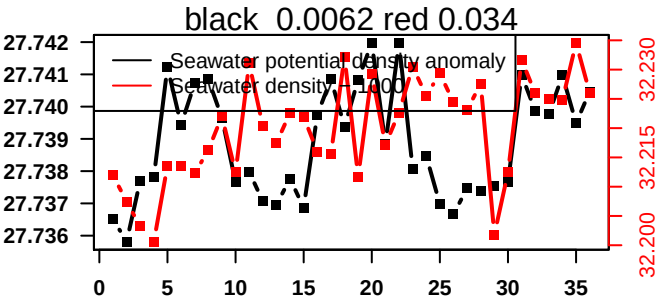

black 0.0071 red 0.046
Seawater potential density anomaly
Seawater density − 1000
27.743
27.742
27.741
27.740
27.739
27.738
27.737
27.736
32.30
32.28
0
5
10
15
20
25
30
35

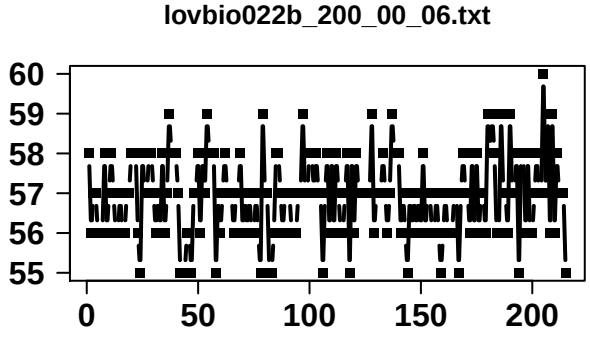

lovbio022b_199_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

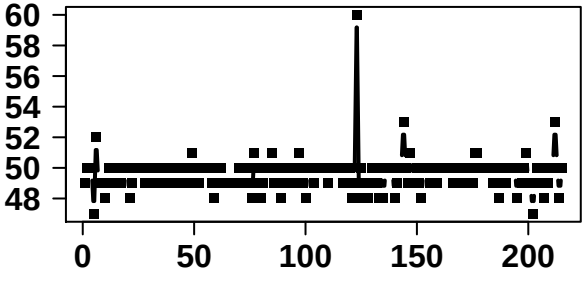

58
56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

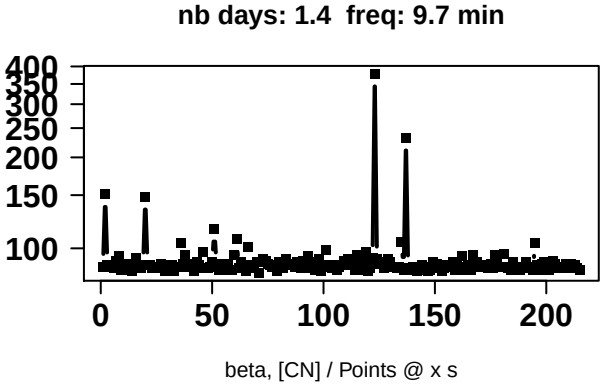

nb days: 1.4 freq: 9.9 min
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

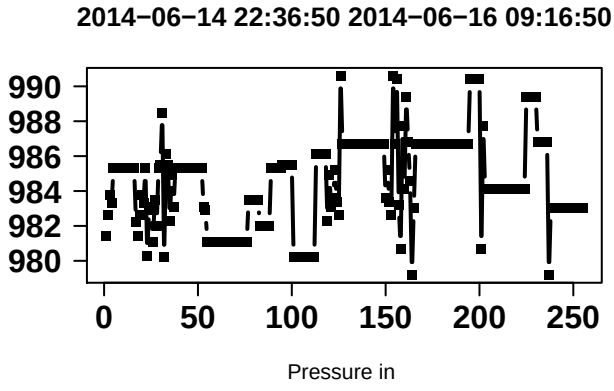

2014−06−12 23:09:20 2014−06−14 09:49:20
976
975
974
973
972
971
970
969
0
50
100
150
200
250
Pressure in

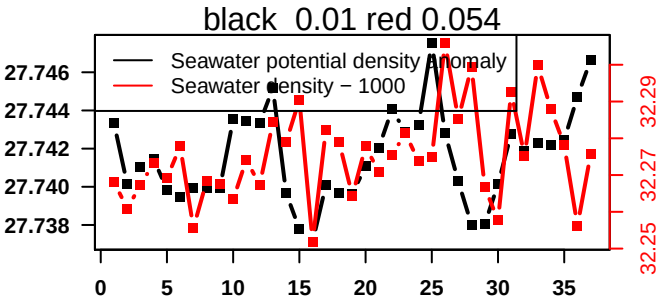

black 0.0062 red 0.034
Seawater potential density anomaly
Seawater density −1000
27.742
27.741
27.740
27.739
27.738
27.737
27.736
32.230
32.215
32.200
0
5
10
15
20
25
30
35

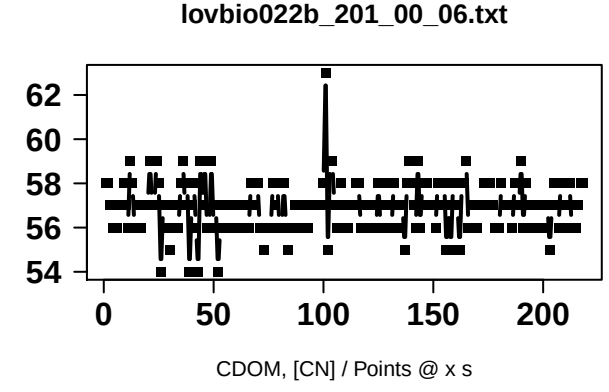

lovbio022b_200_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

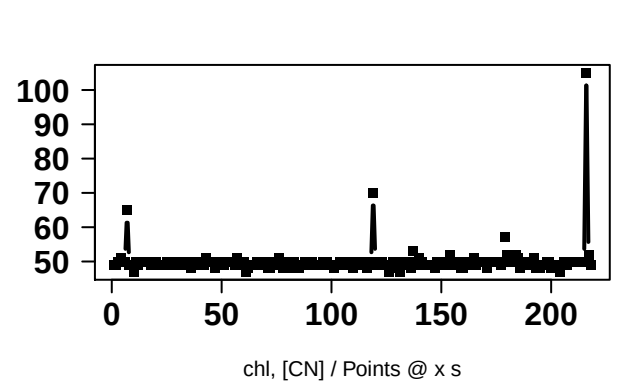

60
58
56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

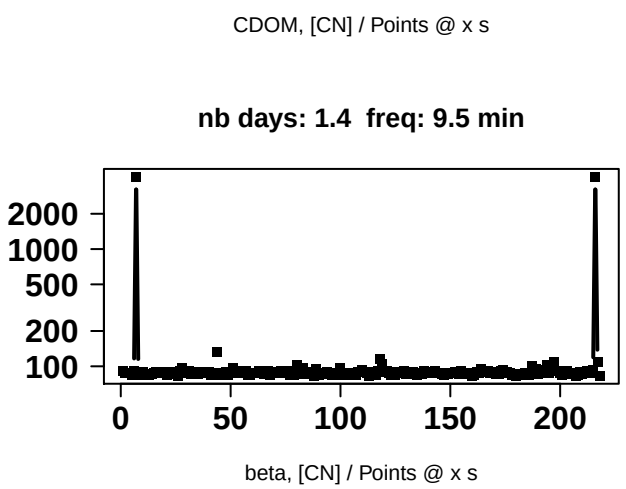

nb days: 1.4 freq: 9.7 min
400
350
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

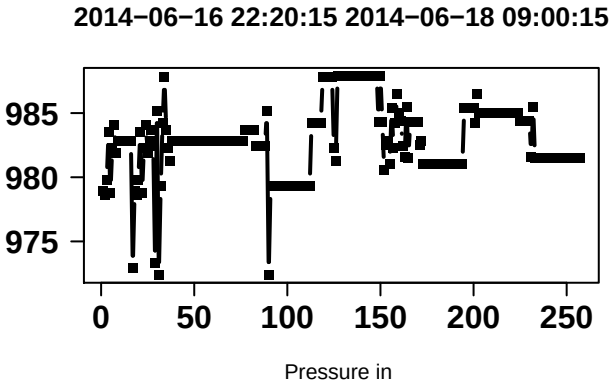

2014−06−14 22:36:50 2014−06−16 09:16:50
990
988
986
984
982
980
0
50
100
150
200
250
Pressure in

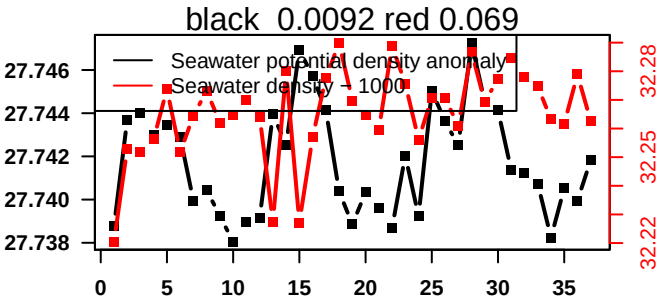

black 0.01 red 0.054
Seawater potential density anomaly
Seawater density − 1000
27.746
27.744
27.742
27.740
27.738
0
5
10
15
20
25
30
35
32.29
32.27
32.25

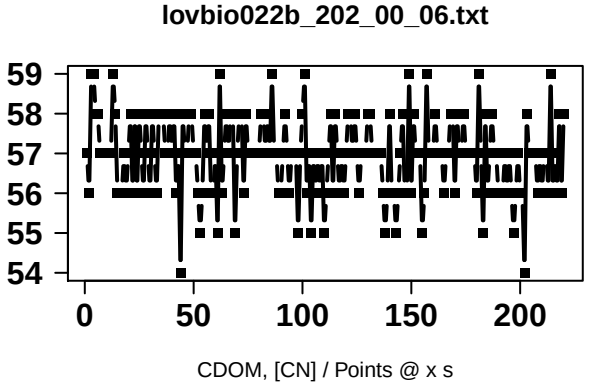

lovbio022b_201_00_06.txt
62
60
58
56
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

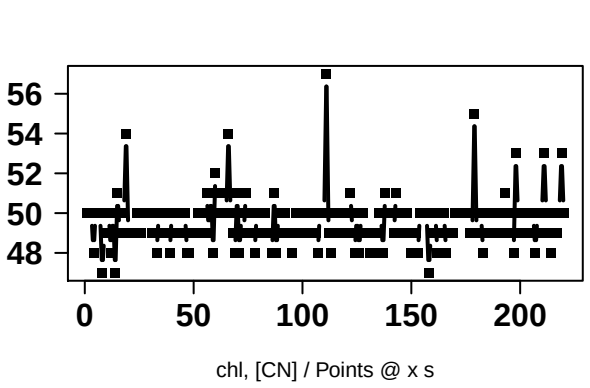

100
90
80
70
60
50
0
50
100
150
200
chl, [CN] / Points @ x s

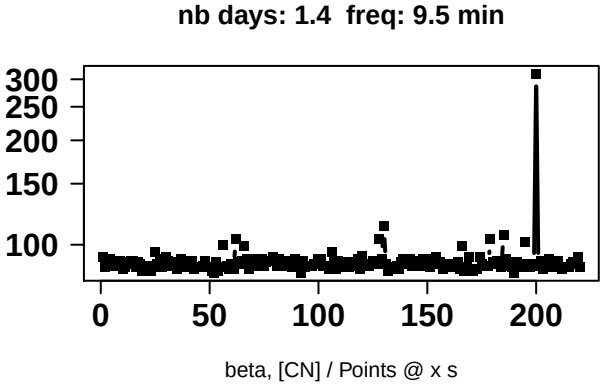

nb days: 1.4 freq: 9.5 min
2000
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

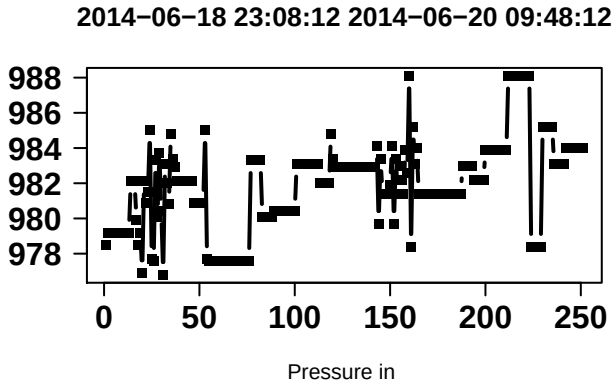

2014−06−16 22:20:15 2014−06−18 09:00:15
985
980
975
0
50
100
150
200
250
Pressure in

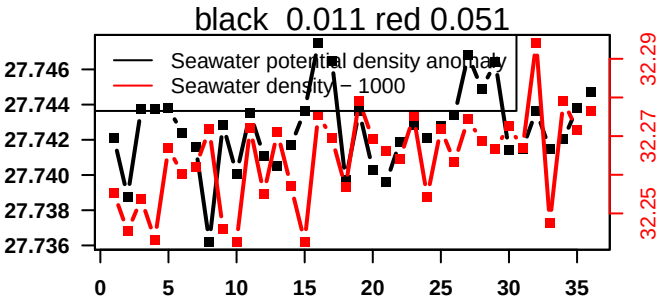

black 0.0092 red 0.069
Seawater potential density anomaly
Seawater density − 1000
27.746
27.744
27.742
27.740
27.738
32.28
32.25
32.22
0
5
10
15
20
25
30
35

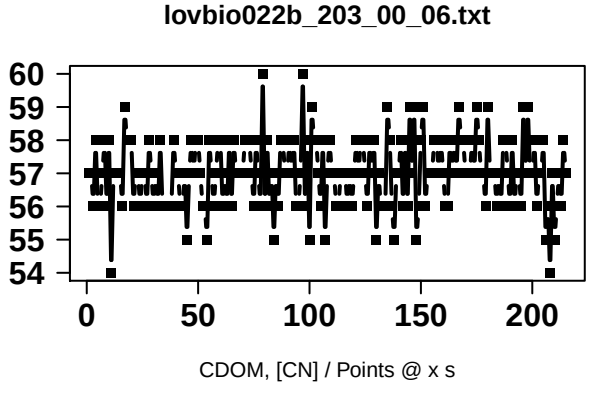

lovbio022b_202_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

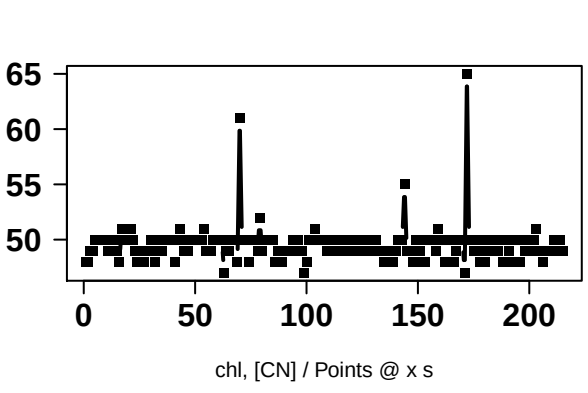

56
54
52
50
48
0
50
100
150
200
chl, [CN] / Points @ x s

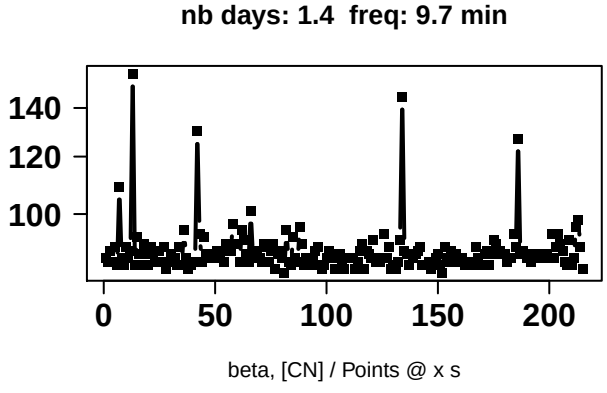

nb days: 1.4 freq: 9.5 min
300
250
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

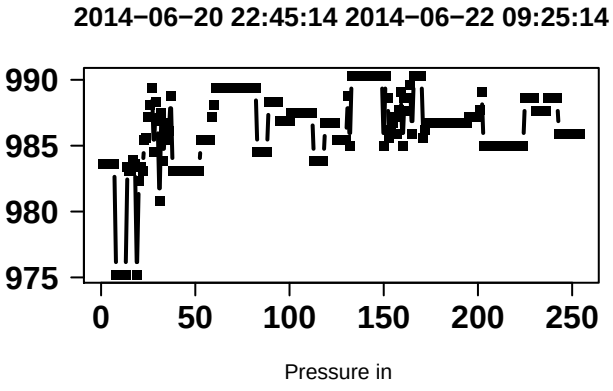

2014−06−18 23:08:12 2014−06−20 09:48:12
988
986
984
982
980
978
0
50
100
150
200
250
Pressure in

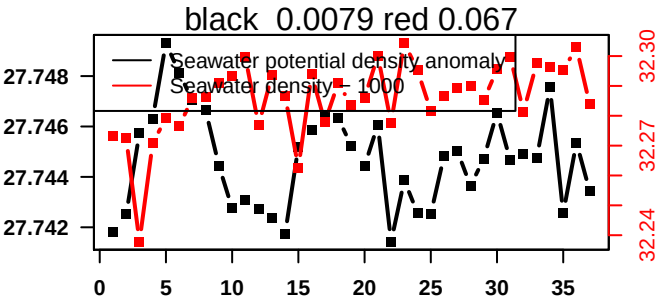

black 0.011 red 0.051
Seawater potential density anomaly
Seawater density − 1000
27.746
27.744
27.742
27.740
27.738
27.736
32.29
32.27
32.25
0
5
10
15
20
25
30
35

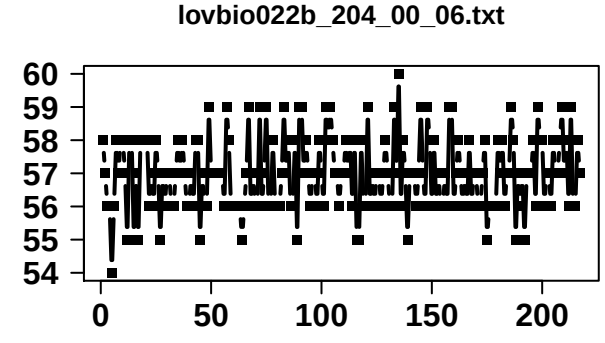

lovbio022b_203_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

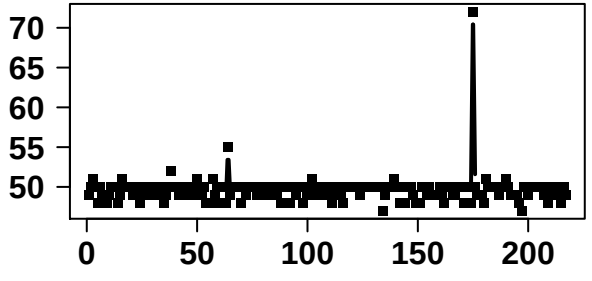

65
60
55
50
0
50
100
150
200
chl, [CN] / Points @ x s

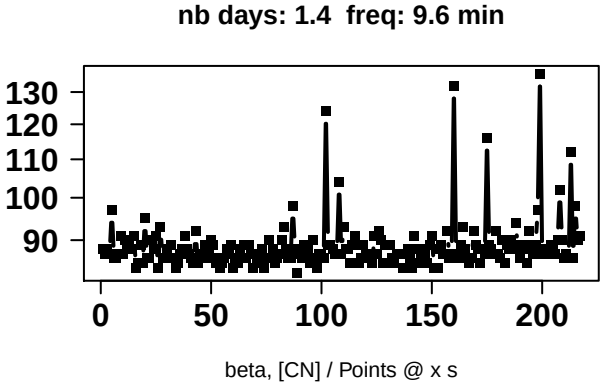

nb days: 1.4 freq: 9.7 min
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

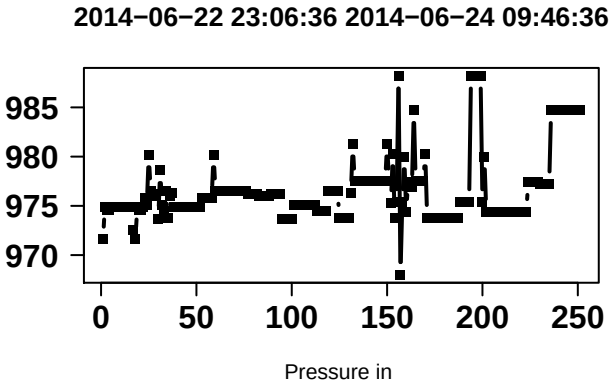

2014−06−20 22:45:14 2014−06−22 09:25:14
990
985
980
975
0
50
100
150
200
250
Pressure in

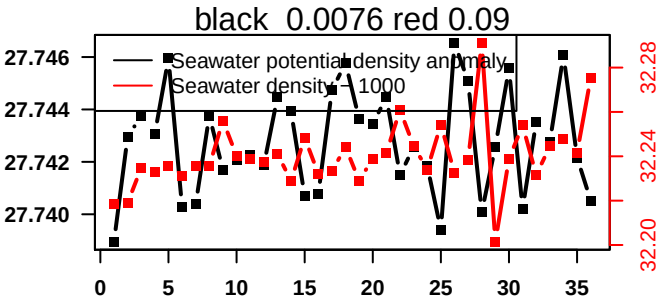

black 0.0079 red 0.067
Seawater potential density anomaly
Seawater density − 1000
27.748
27.746
27.744
27.742
32.30
32.27
32.24
0
5
10
15
20
25
30
35

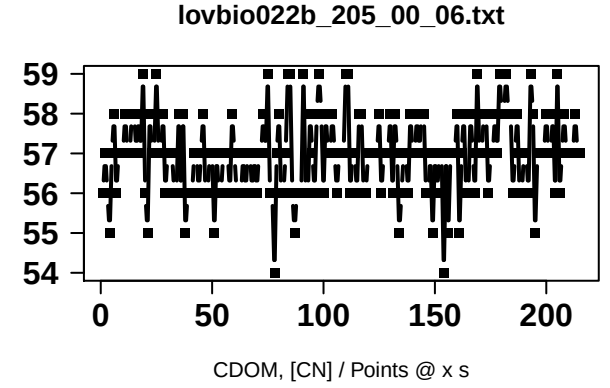

lovbio022b_204_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

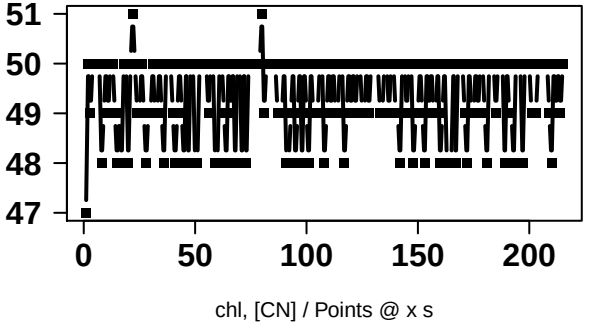

70
65
60
55
50
0
50
100
150
200
chl, [CN] / Points @ x s

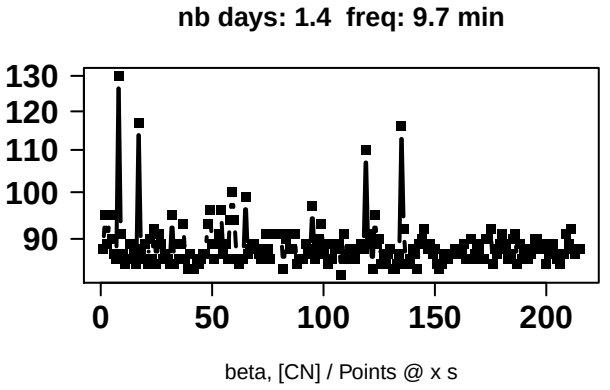

nb days: 1.4 freq: 9.6 min
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

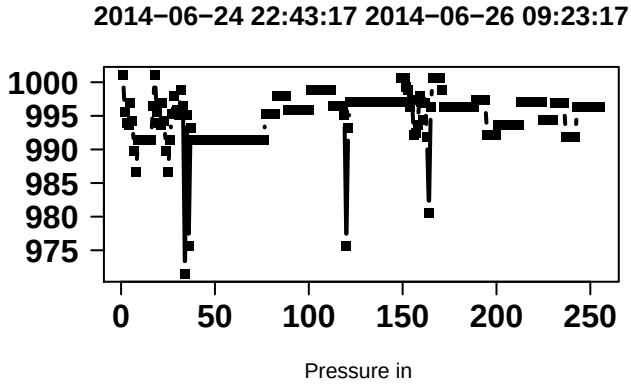

2014−06−22 23:06:36 2014−06−24 09:46:36
985
980
975
970
0
50
100
150
200
250
Pressure in

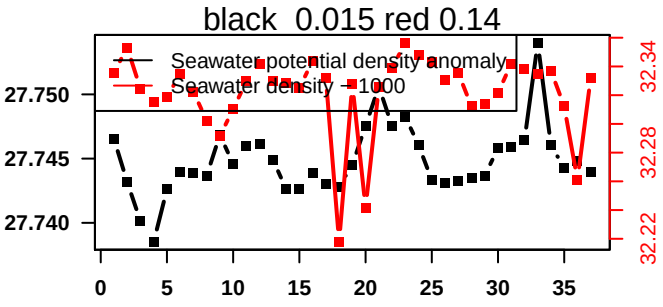

black 0.0076 red 0.09
Seawater potential density anomaly
Seawater density − 1000
27.746
27.744
27.742
27.740
32.28
32.24
32.20
0
5
10
15
20
25
30
35

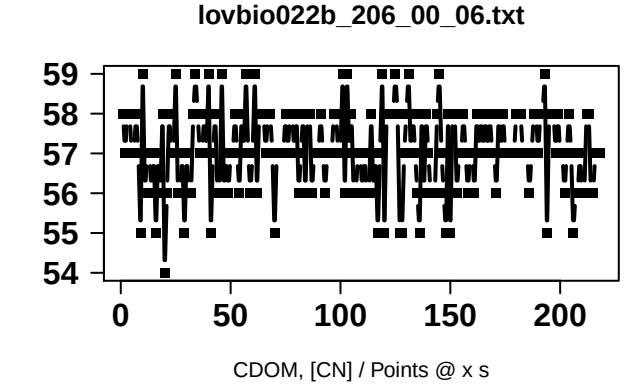

lovbio022b_205_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

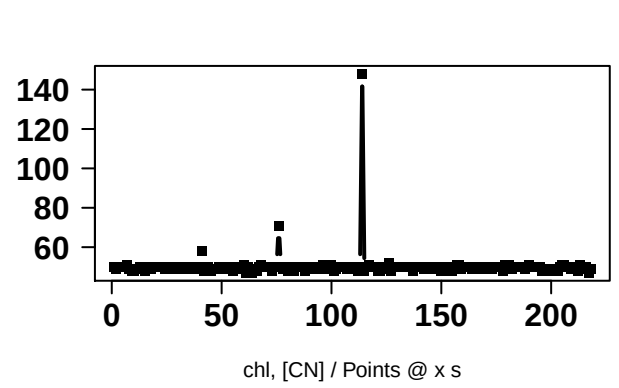

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

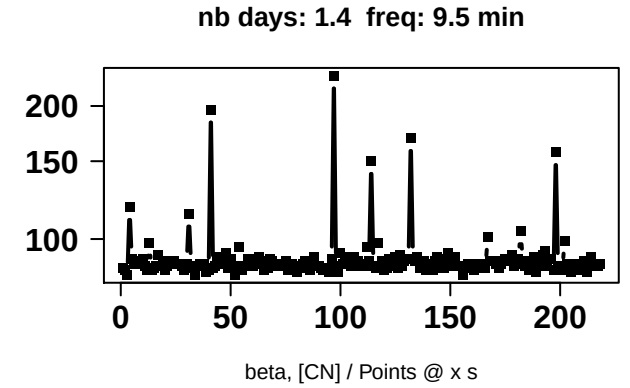

nb days: 1.4 freq: 9.7 min
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

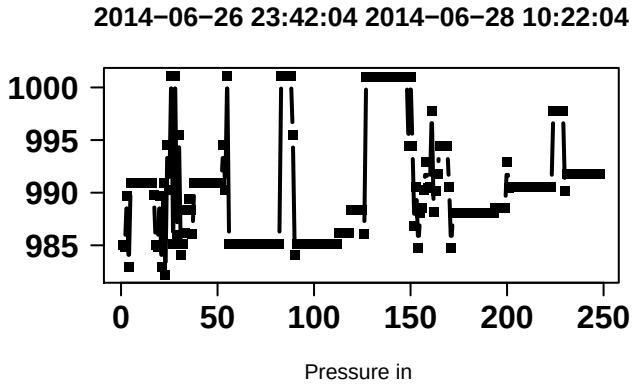

2014−06−24 22:43:17 2014−06−26 09:23:17
1000
995
990
985
980
975
0
50
100
150
200
250
Pressure in

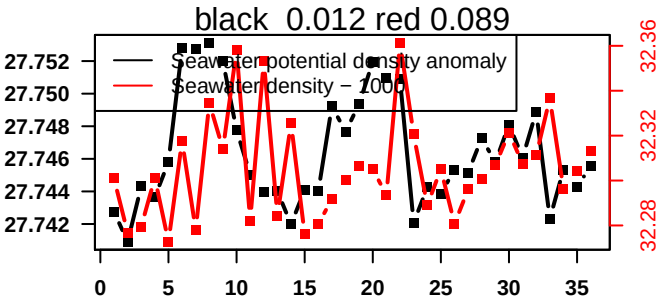

black 0.015 red 0.14
Seawater potential density anomaly
Seawater density − 1000
27.750
27.745
27.740
32.34
32.28
32.22
0
5
10
15
20
25
30
35

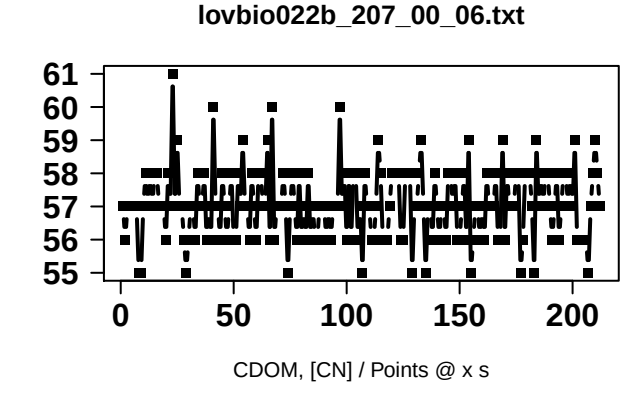

lovbio022b_206_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

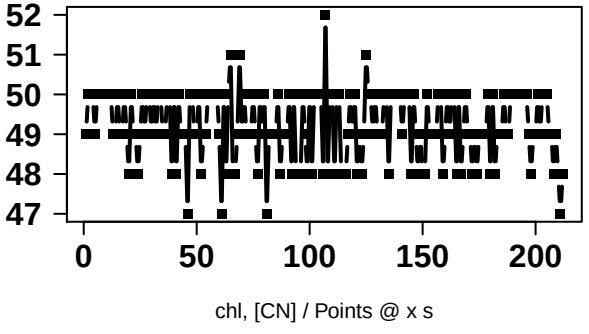

140
120
100
80
60
0
50
100
150
200
chl, [CN] / Points @ x s

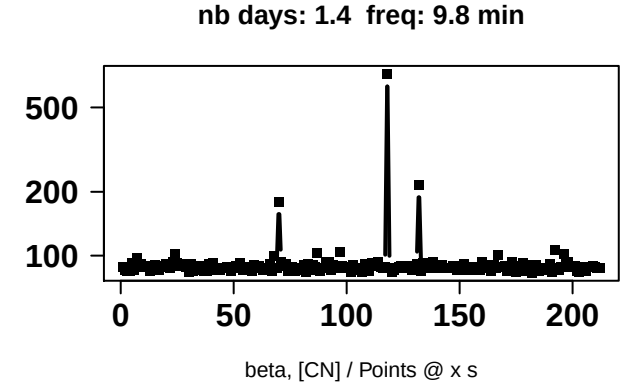

nb days: 1.4 freq: 9.5 min
200
150
100
0
50
100
150
200
beta, [CN] / Points @ x s

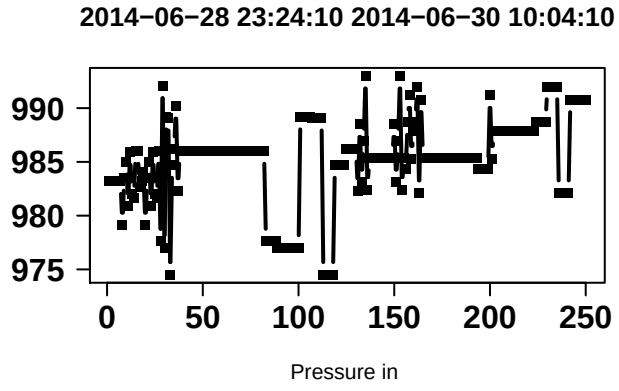

2014−06−26 23:42:04 2014−06−28 10:22:04
1000
995
990
985
0
50
100
150
200
250
Pressure in

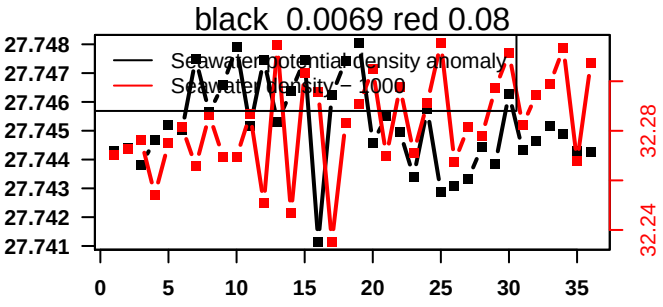

black 0.012 red 0.089
Seawater potential density anomaly
Seawater density − 1000
27.752
27.750
27.748
27.746
27.744
27.742
32.36
32.32
32.28
0
5
10
15
20
25
30
35

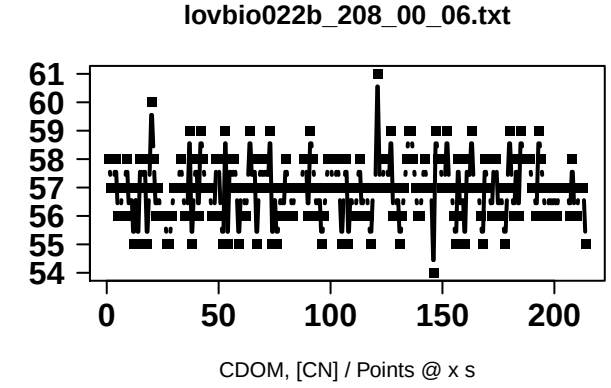

lovbio022b_207_00_06.txt
61
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

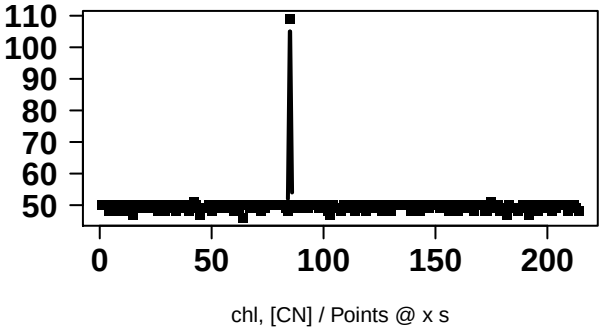

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

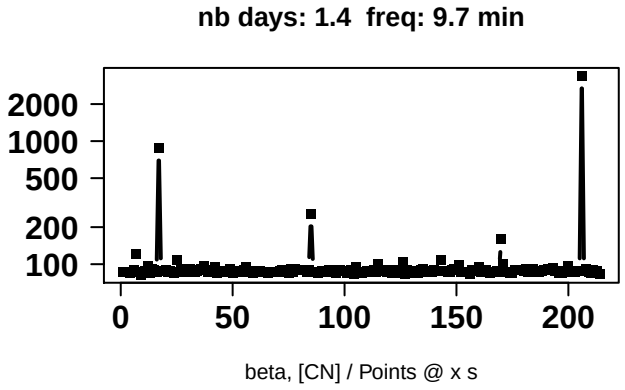

nb days: 1.4 freq: 9.8 min
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

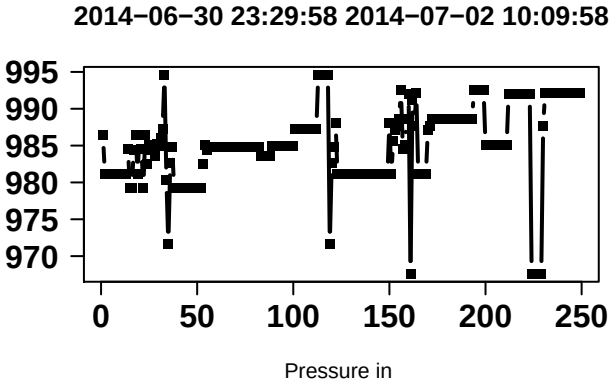

2014−06−28 23:24:10 2014−06−30 10:04:10
990
985
980
975
0
50
100
150
200
250
Pressure in

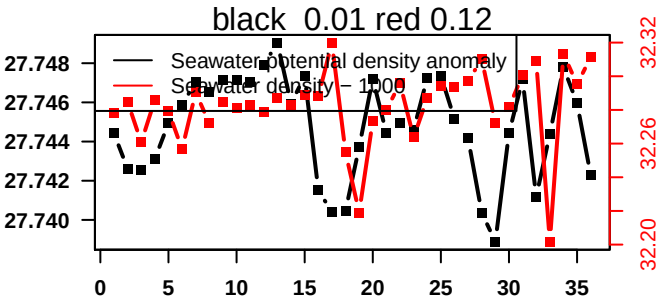

black 0.0069 red 0.08
27.748
27.747
27.746
27.745
27.744
27.743
27.742
27.741
Seawater potential density anomaly
Seawater density − 1000
32.28
32.24
0
5
10
15
20
25
30
35

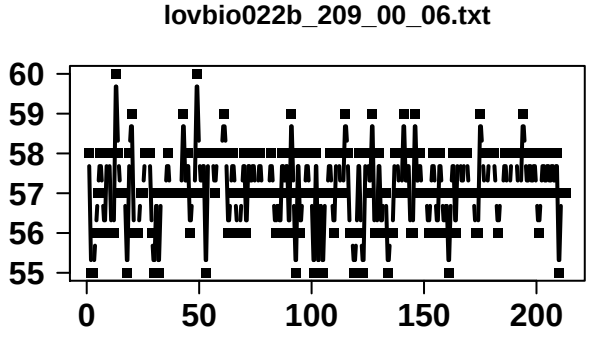

lovbio022b_208_00_06.txt
61
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

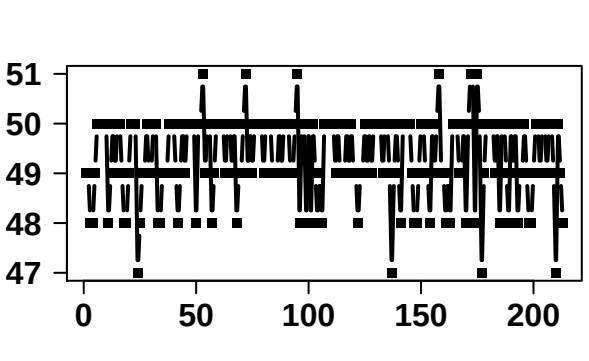

110
100
90
80
70
60
50
0
50
100
150
200
chl, [CN] / Points @ x s

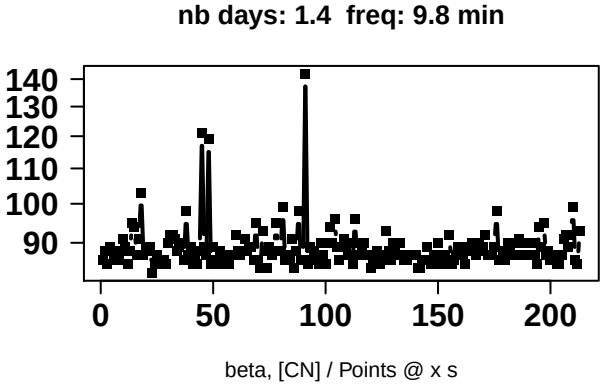

nb days: 1.4 freq: 9.7 min
2000
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

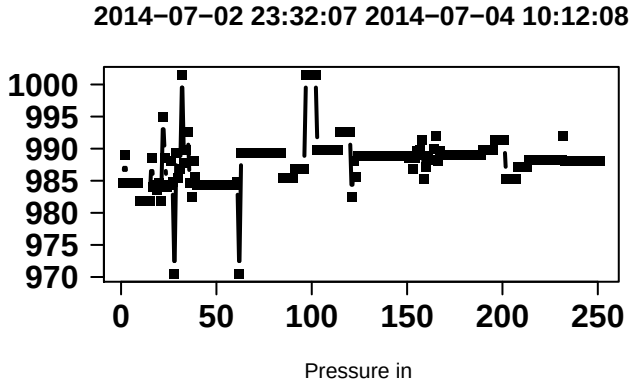

2014−06−30 23:29:58 2014−07−02 10:09:58
995
990
985
980
975
970
0
50
100
150
200
250
Pressure in

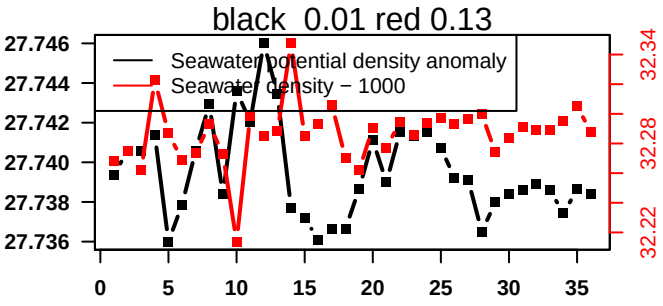

black 0.01 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.748
27.746
27.744
27.742
27.740
32.32
32.26
32.20
0
5
10
15
20
25
30
35

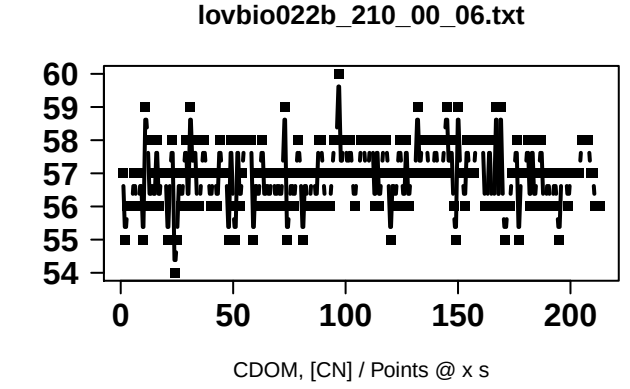

lovbio022b_209_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

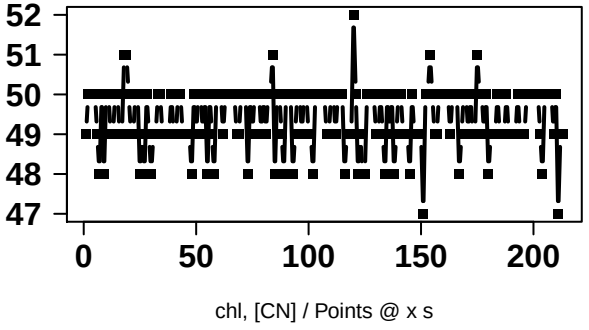

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

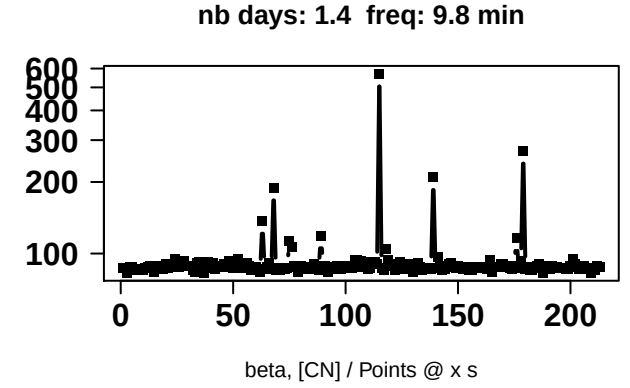

nb days: 1.4 freq: 9.8 min
140
130
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

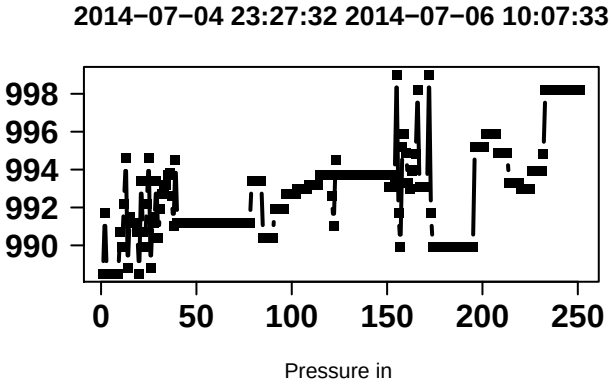

2014−07−02 23:32:07 2014−07−04 10:12:08
1000
995
990
985
980
975
970
0
50
100
150
200
250
Pressure in

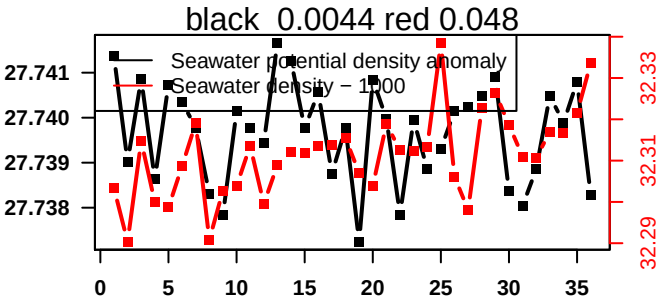

black 0.01 red 0.13
Seawater potential density anomaly
Seawater density − 1000
27.746
27.744
27.742
27.740
27.738
27.736
32.34
32.28
32.22
0
5
10
15
20
25
30
35

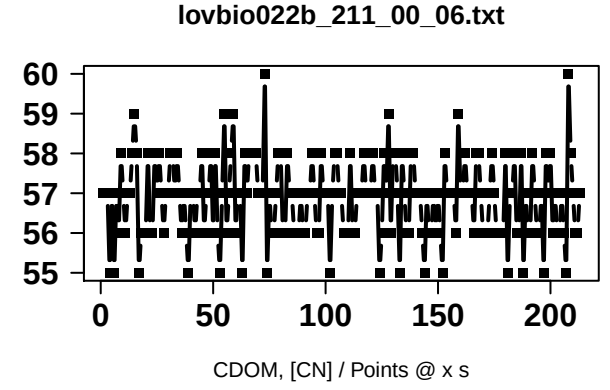

lovbio022b_210_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

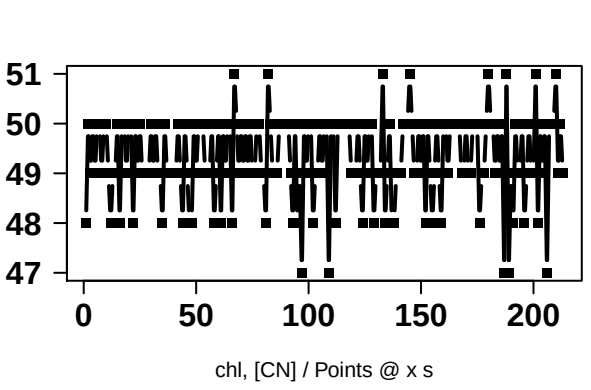

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

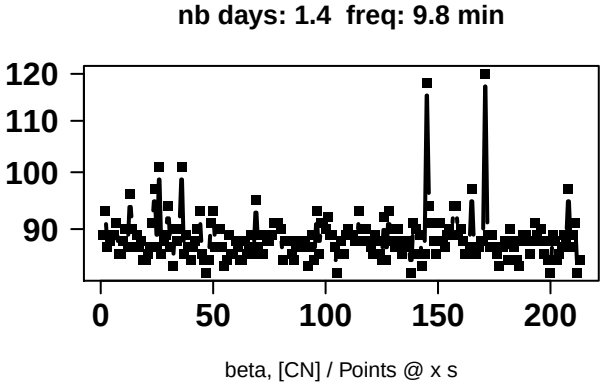

nb days: 1.4 freq: 9.8 min
600
500
400
300
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

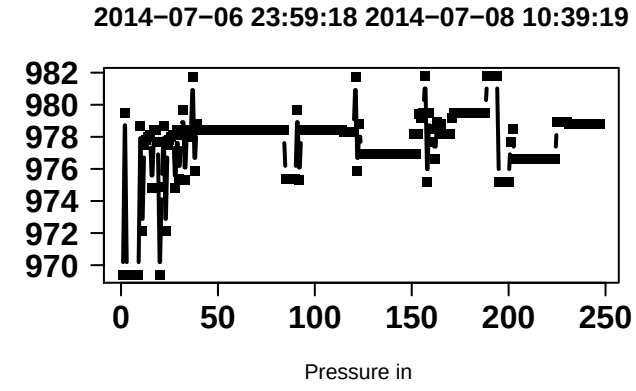

2014−07−04 23:27:32 2014−07−06 10:07:33
998
996
994
992
990
0
50
100
150
200
250
Pressure in

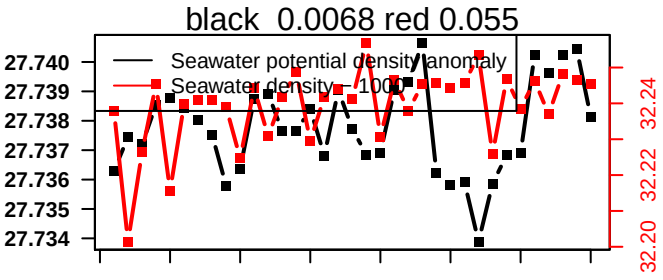

black 0.0044 red 0.048
Seawater potential density anomaly
Seawater density − 1000
27.741
27.740
27.739
27.738
32.33
32.31
32.29
0
5
10
15
20
25
30
35

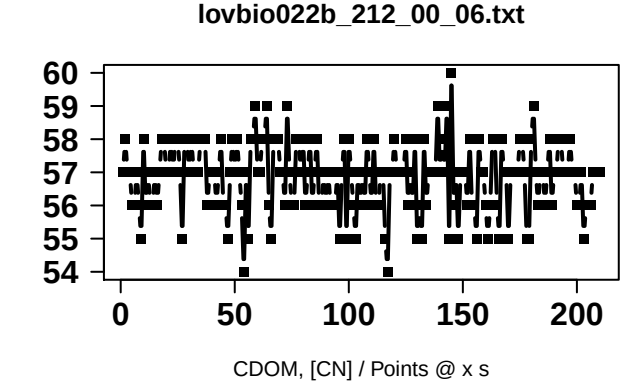

lovbio022b_211_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

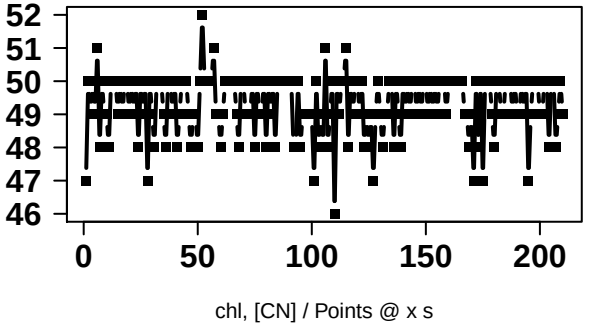

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

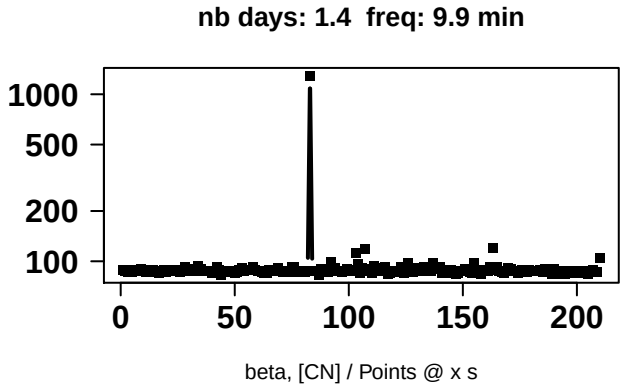

nb days: 1.4 freq: 9.8 min
120
110
100
90
0
50
100
150
200
beta, [CN] / Points @ x s

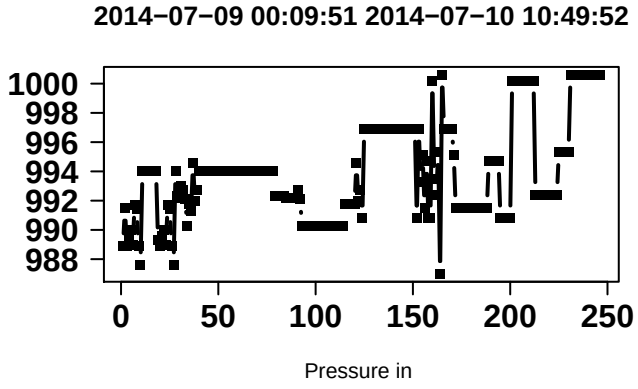

2014−07−06 23:59:18 2014−07−08 10:39:19
982
980
978
976
974
972
970
0
50
100
150
200
250
Pressure in

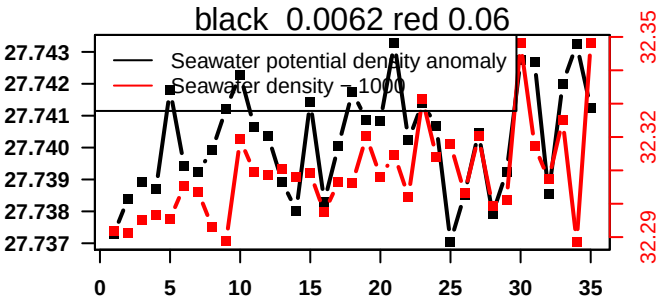

black 0.0068 red 0.055
Seawater potential density anomaly
Seawater density −1000
27.740
27.739
27.738
27.737
27.736
27.735
27.734
0
5
10
15
20
25
30
35
32.20
32.22
32.24

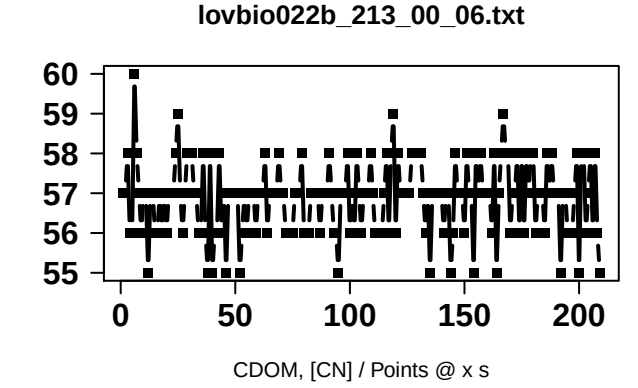

lovbio022b_212_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

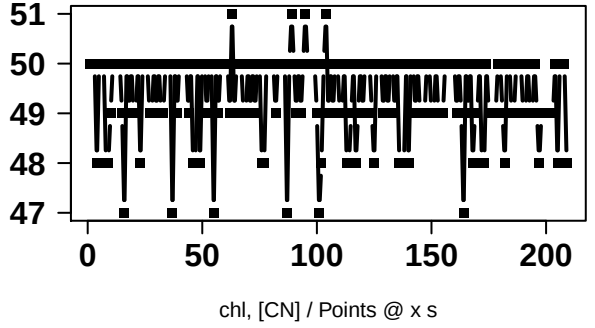

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

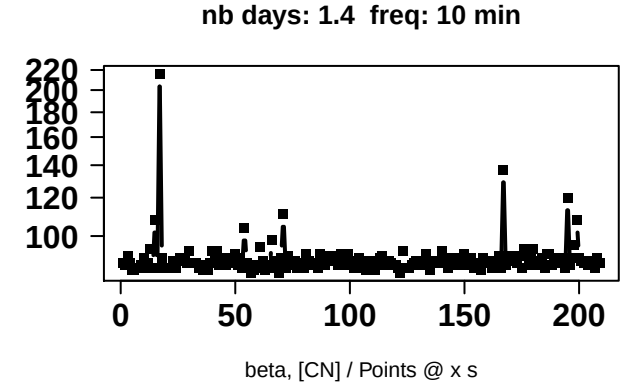

nb days: 1.4 freq: 9.9 min
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

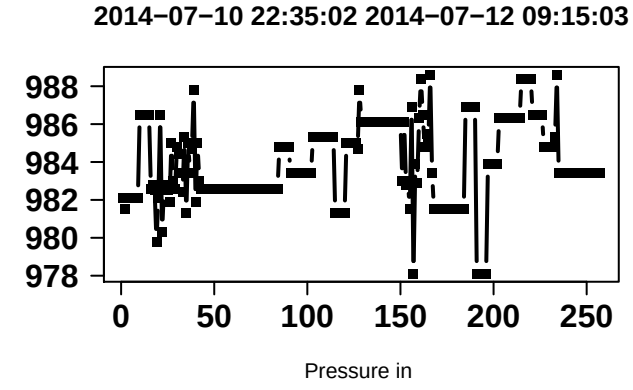

2014−07−09 00:09:51 2014−07−10 10:49:52
1000
998
996
994
992
990
988
0
50
100
150
200
250
Pressure in

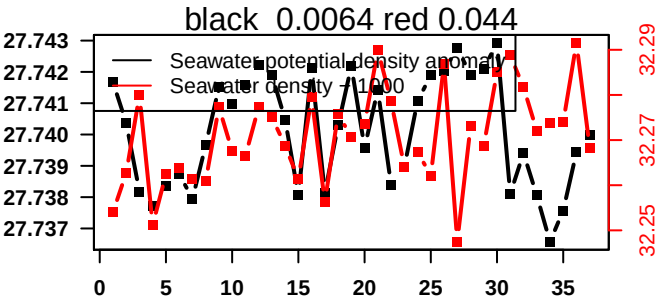

black 0.0062 red 0.06
Seawater potential density anomaly
Seawater density − 1000
27.743
27.742
27.741
27.740
27.739
27.738
27.737
32.35
32.32
32.29
0
5
10
15
20
25
30
35

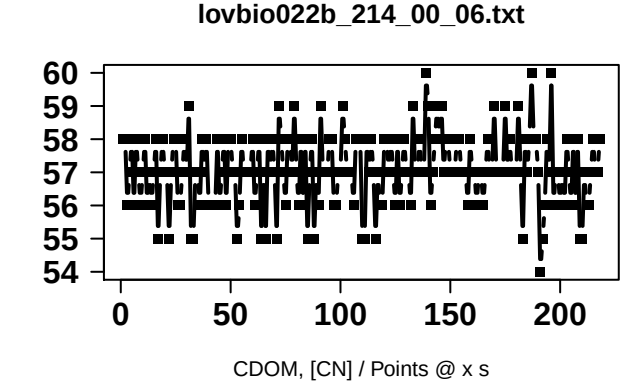

lovbio022b_213_00_06.txt
60
59
58
57
56
55
0
50
100
150
200
CDOM, [CN] / Points @ x s

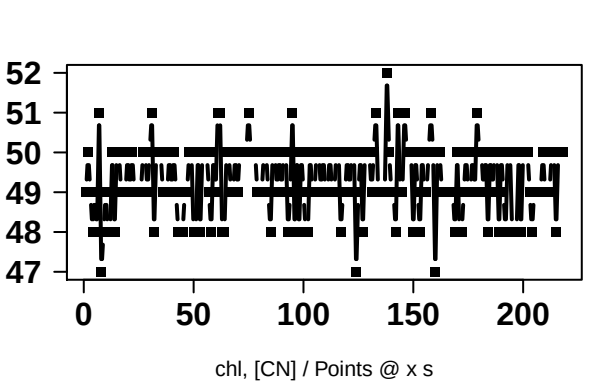

51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

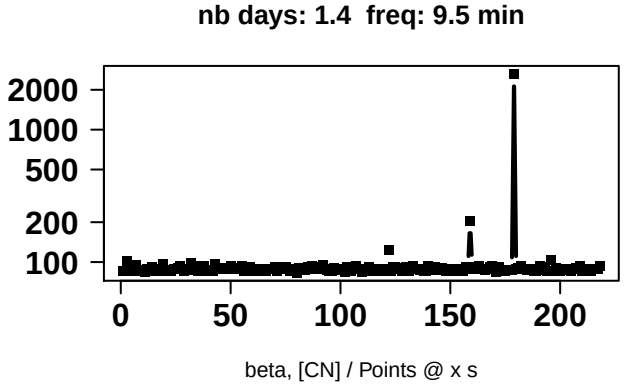

nb days: 1.4 freq: 10 min
220
200
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

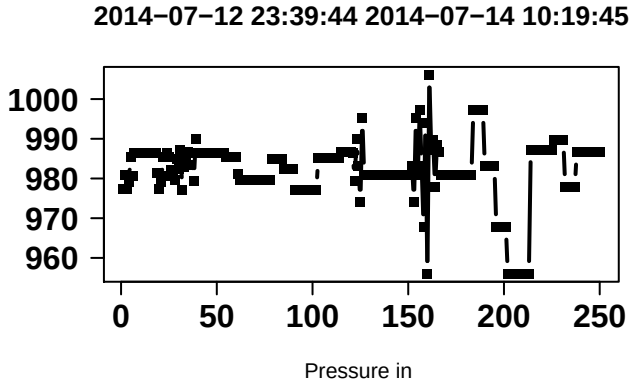

2014−07−10 22:35:02 2014−07−12 09:15:03
988
986
984
982
980
978
0
50
100
150
200
250
Pressure in

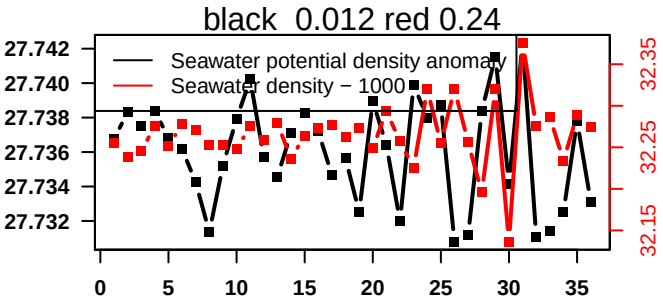

black 0.0064 red 0.044
Seawater potential density anomaly
Seawater density −1000
27.743
27.742
27.741
27.740
27.739
27.738
27.737
32.29
32.27
32.25
0
5
10
15
20
25
30
35

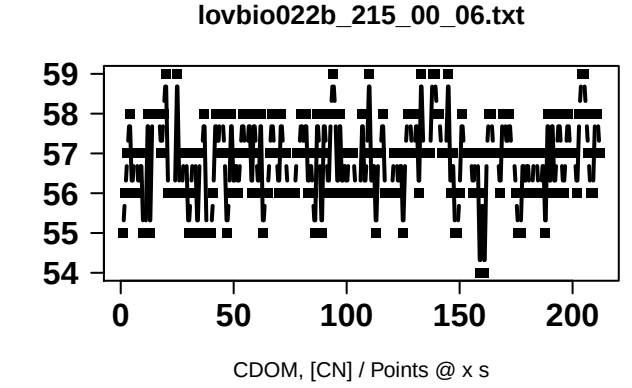

lovbio022b_214_00_06.txt
60
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

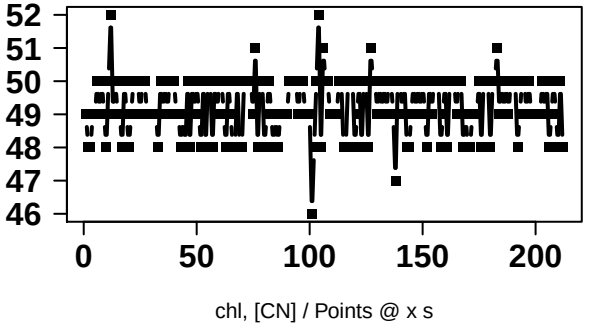

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

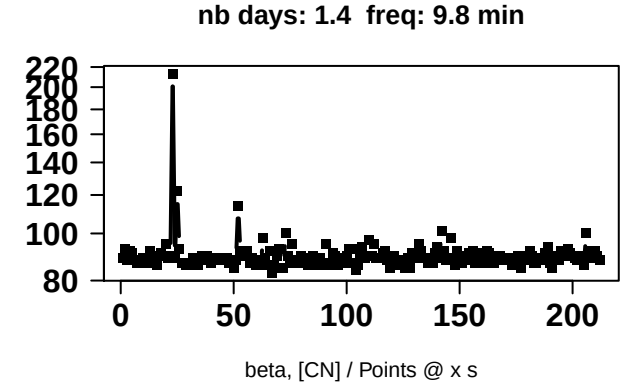

nb days: 1.4 freq: 9.5 min
2000
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

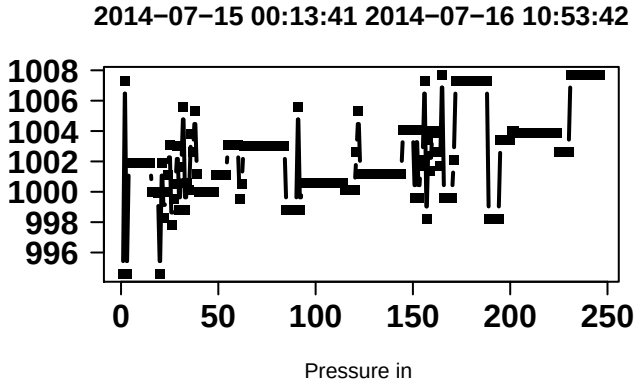

2014−07−12 23:39:44 2014−07−14 10:19:45
1000
990
980
970
960
0
50
100
150
200
250
Pressure in

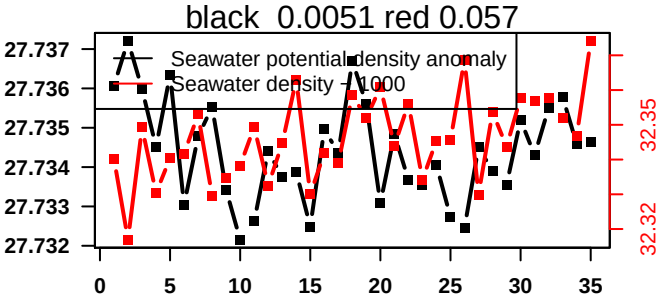

black 0.012 red 0.24
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
27.732
32.35
32.25
32.15
0
5
10
15
20
25
30
35

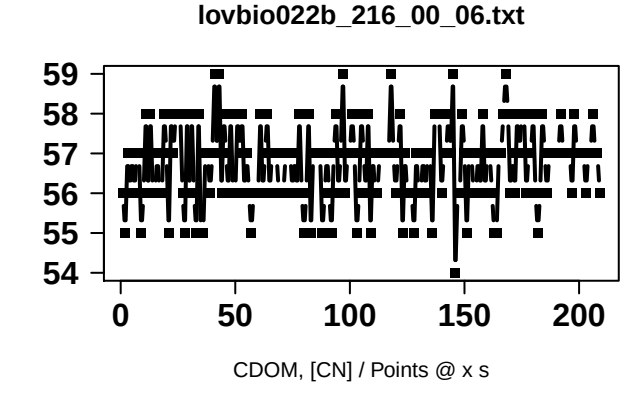

lovbio022b_215_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

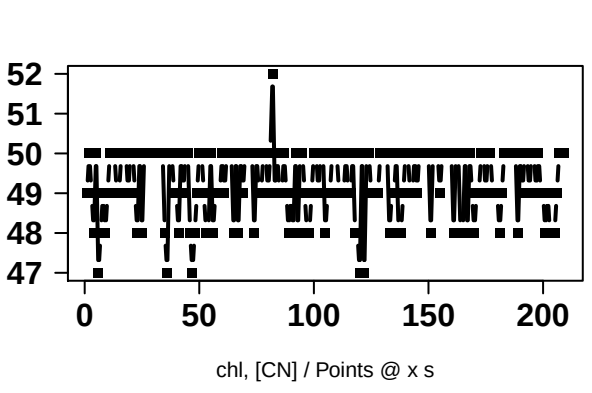

52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

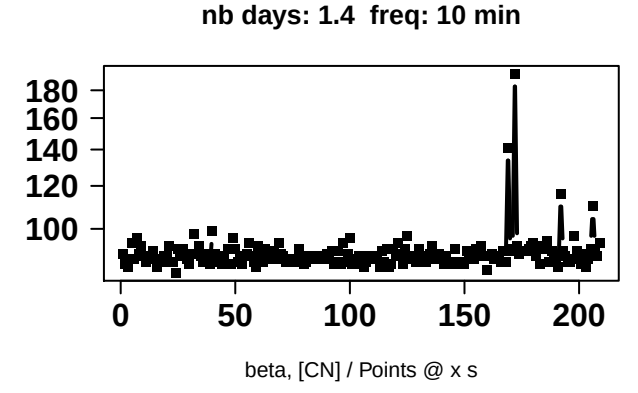

nb days: 1.4 freq: 9.8 min
220
200
180
160
140
120
100
80
0
50
100
150
200
beta, [CN] / Points @ x s

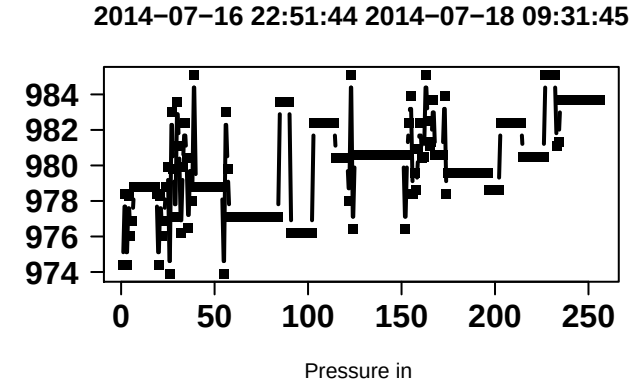

2014−07−15 00:13:41 2014−07−16 10:53:42
1008
1006
1004
1002
1000
998
996
0
50
100
150
200
250
Pressure in

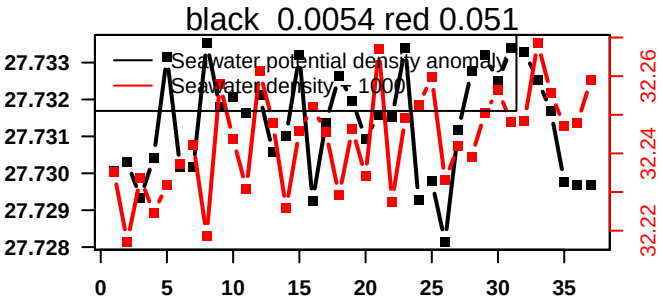

black 0.0051 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.737
27.736
27.735
27.734
27.733
27.732
32.35
32.32
0
5
10
15
20
25
30
35

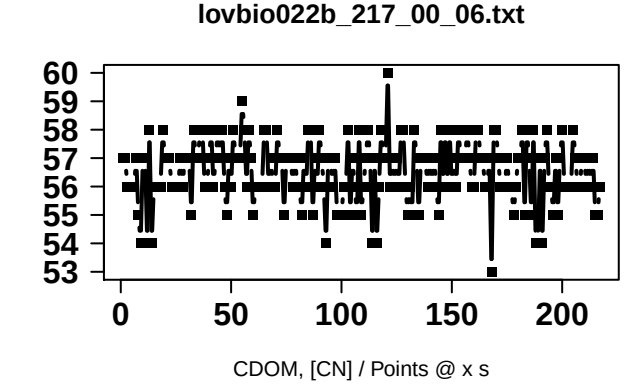

lovbio022b_216_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

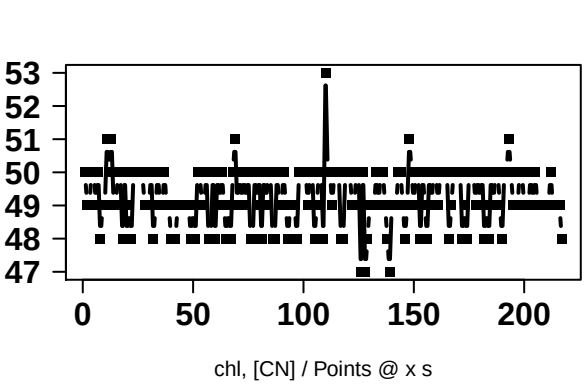

52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

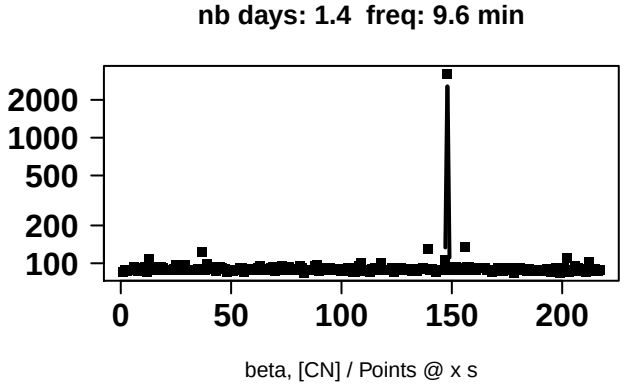

nb days: 1.4 freq: 10 min
180
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

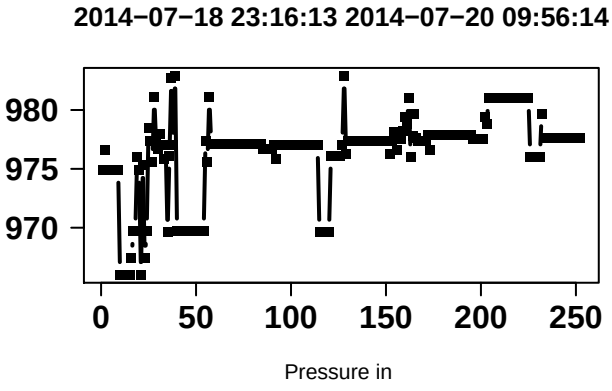

2014−07−16 22:51:44 2014−07−18 09:31:45
984
982
980
978
976
974
0
50
100
150
200
250
Pressure in

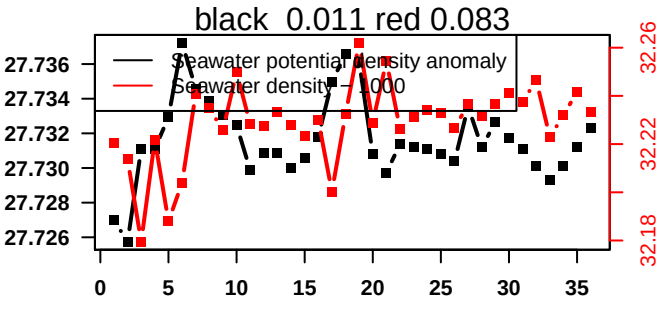

black 0.0054 red 0.051
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
32.26
32.24
32.22
0
5
10
15
20
25
30
35

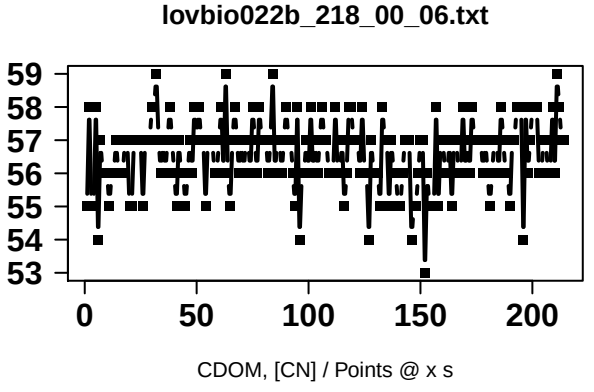

lovbio022b_217_00_06.txt
60
59
58
57
56
55
54
53
0
50
100
150
200
CDOM, [CN] / Points @ x s

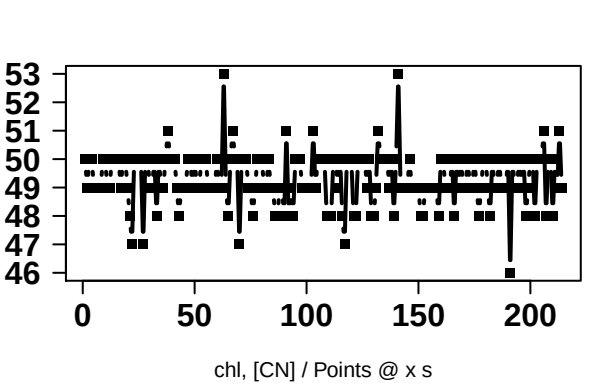

53
52
51
50
49
48
47
0
50
100
150
200
chl, [CN] / Points @ x s

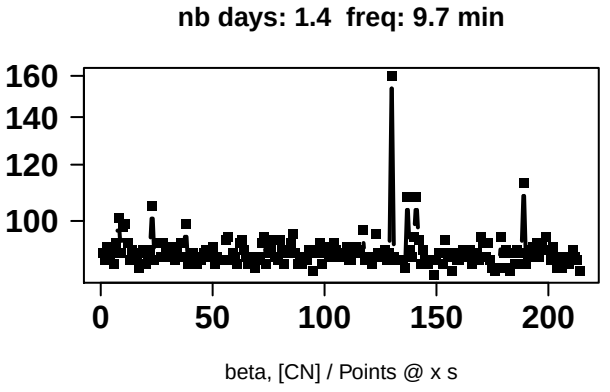

nb days: 1.4 freq: 9.6 min
2000
1000
500
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

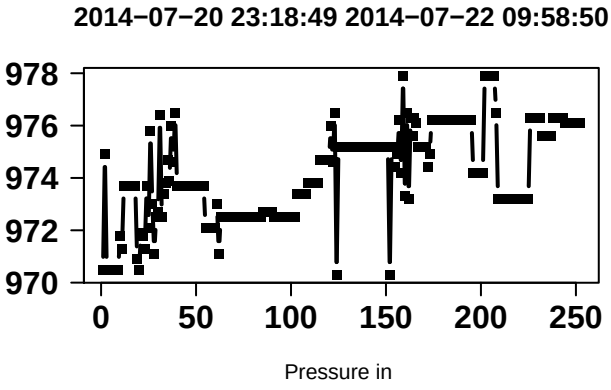

2014−07−18 23:16:13 2014−07−20 09:56:14
980
975
970
0
50
100
150
200
250
Pressure in

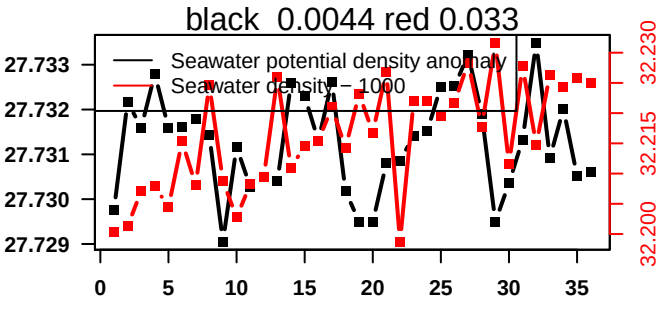

black 0.011 red 0.083
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
27.726
32.26
32.22
32.18
0
5
10
15
20
25
30
35

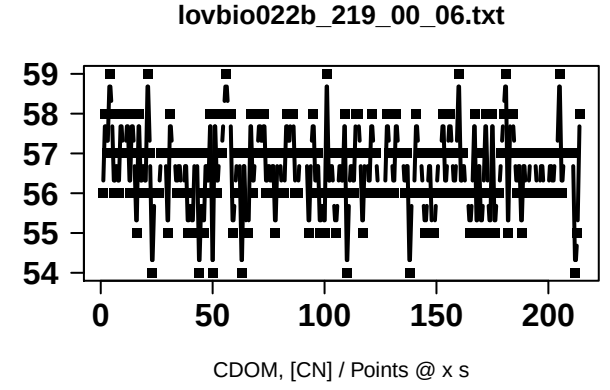

lovbio022b_218_00_06.txt
59
58
57
56
55
54
53
0
50
100
150
200
CDOM, [CN] / Points @ x s

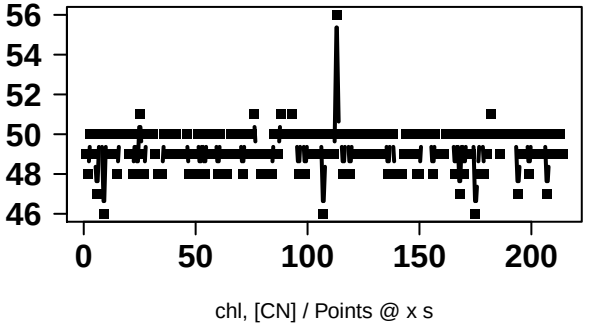

53
52
51
50
49
48
47
46
0
50
100
150
200
chl, [CN] / Points @ x s

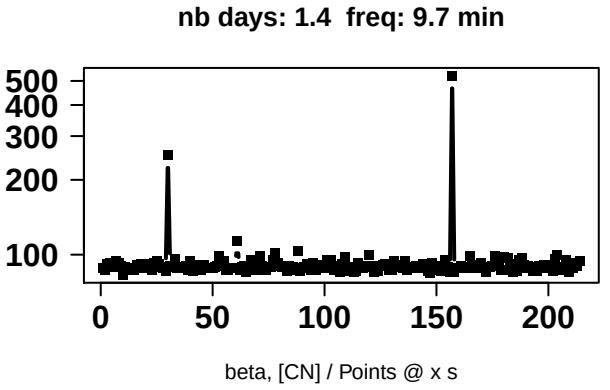

nb days: 1.4 freq: 9.7 min
160
140
120
100
0
50
100
150
200
beta, [CN] / Points @ x s

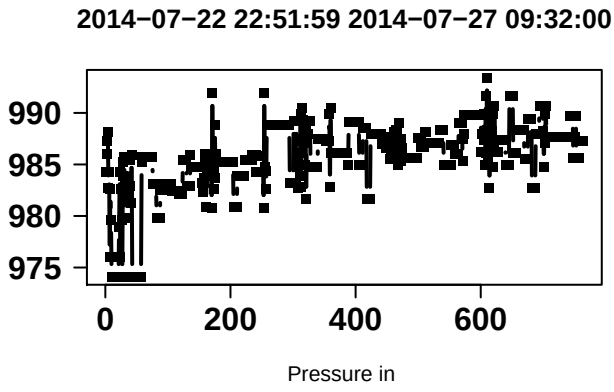

2014−07−20 23:18:49 2014−07−22 09:58:50
978
976
974
972
970
0
50
100
150
200
250
Pressure in

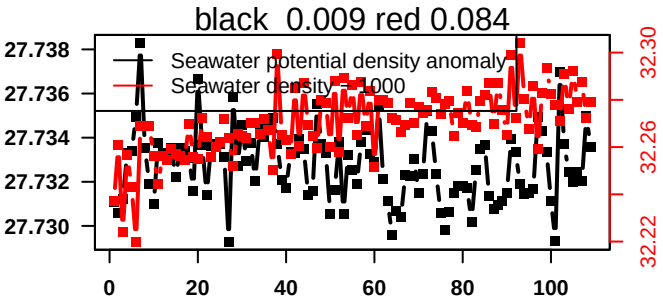

black 0.0044 red 0.033
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
32.230
32.215
32.200
0
5
10
15
20
25
30
35

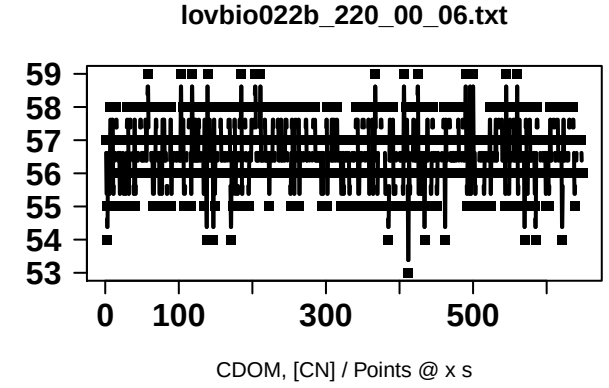

lovbio022b_219_00_06.txt
59
58
57
56
55
54
0
50
100
150
200
CDOM, [CN] / Points @ x s

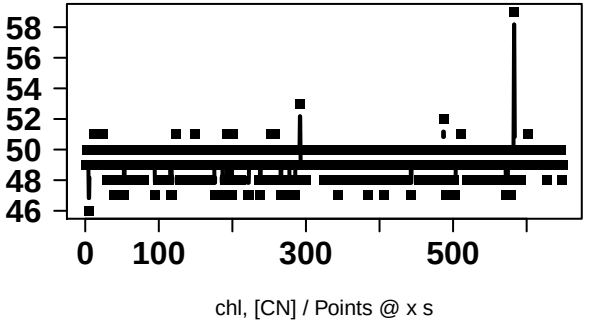

56
54
52
50
48
46
0
50
100
150
200
chl, [CN] / Points @ x s

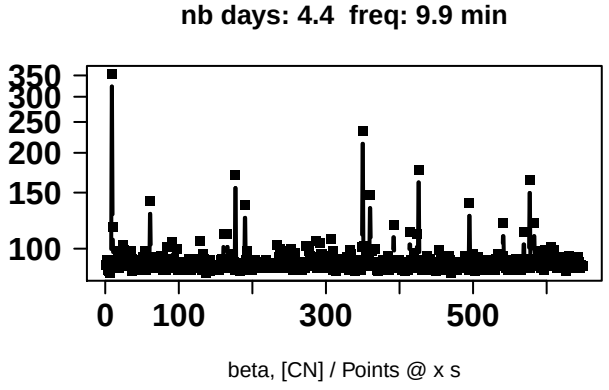

nb days: 1.4 freq: 9.7 min
500
400
300
200
100
0
50
100
150
200
beta, [CN] / Points @ x s

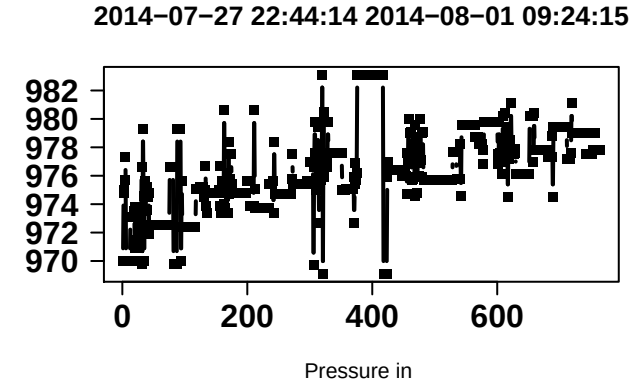

2014−07−22 22:51:59 2014−07−27 09:32:00
990
985
980
975
0
200
400
600
Pressure in

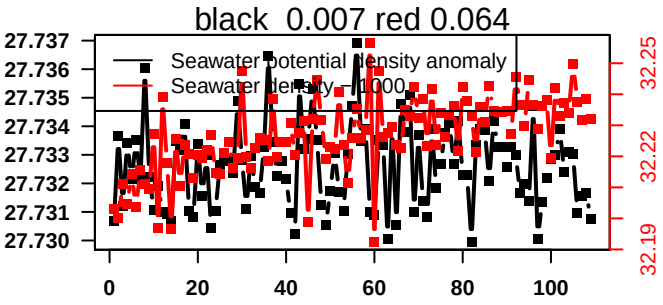

black 0.009 red 0.084
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.30
32.26
32.22
0
20
40
60
80
100

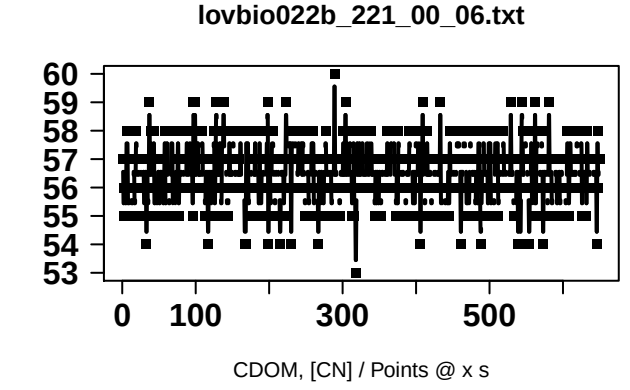

lovbio022b_220_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

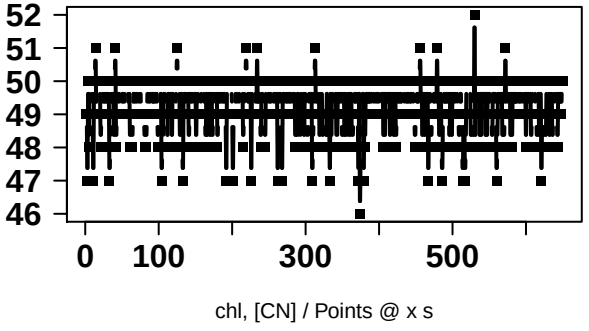

58
56
54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

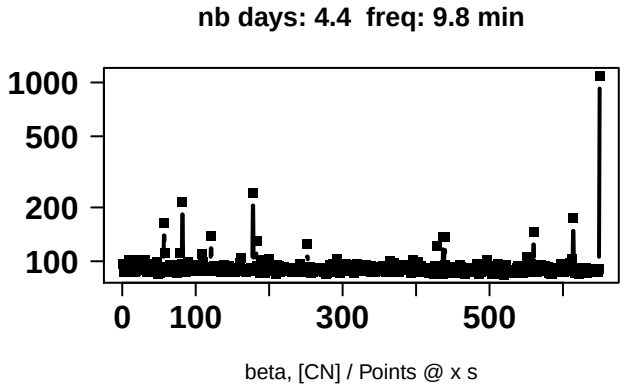

nb days: 4.4 freq: 9.9 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

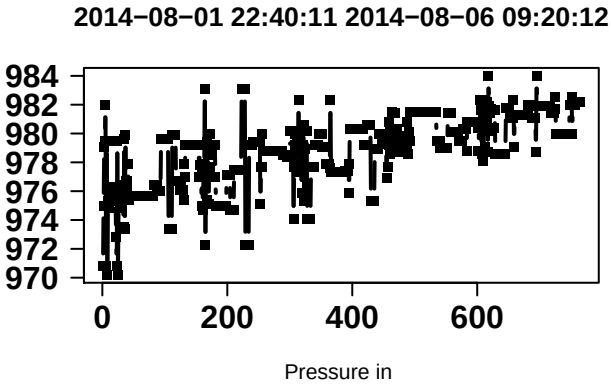

2014−07−27 22:44:14 2014−08−01 09:24:15
982
980
978
976
974
972
970
0
200
400
600
Pressure in

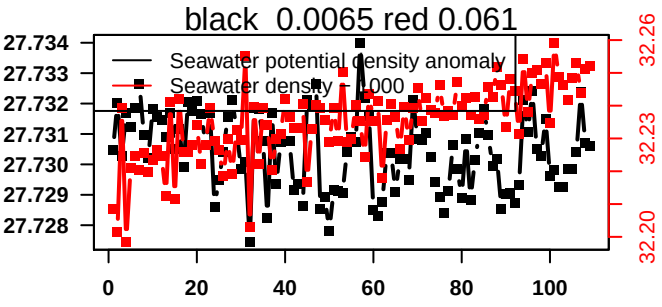

black 0.007 red 0.064
Seawater potential density anomaly
Seawater density −1000
27.737
27.736
27.735
27.734
27.733
27.732
27.731
27.730
32.25
32.22
32.19
0
20
40
60
80
100

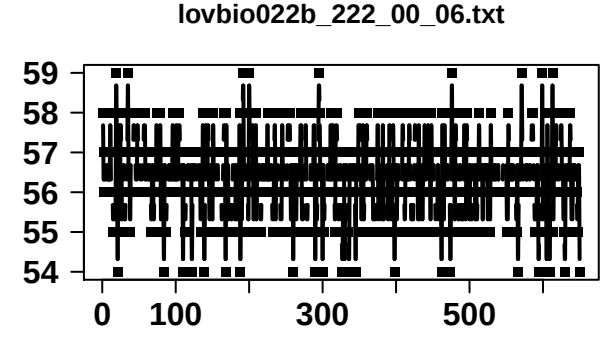

lovbio022b_221_00_06.txt
60
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

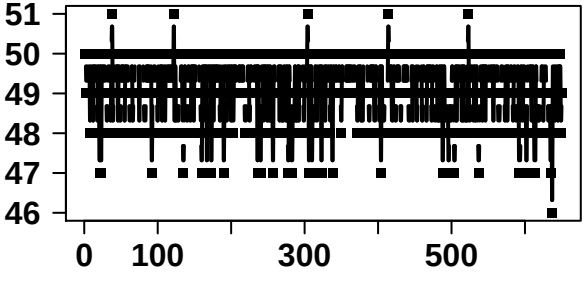

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

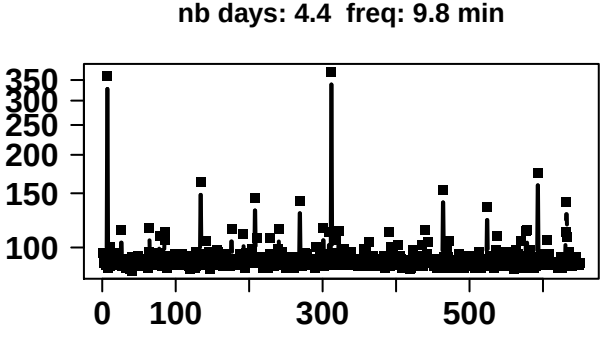

nb days: 4.4 freq: 9.8 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

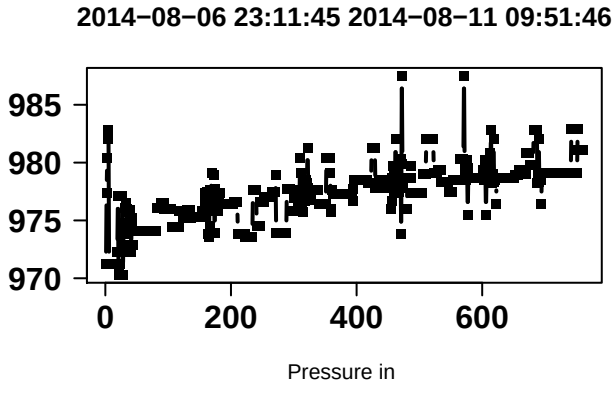

2014−08−01 22:40:11 2014−08−06 09:20:12
984
982
980
978
976
974
972
970
0
200
400
600
Pressure in

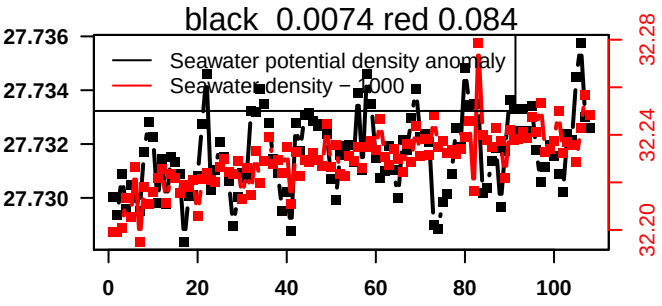

black 0.0065 red 0.061
27.734
27.733
27.732
27.731
27.730
27.729
27.728
Seawater potential density anomaly
Seawater density − 1000
32.26
32.23
32.20
0
20
40
60
80
100

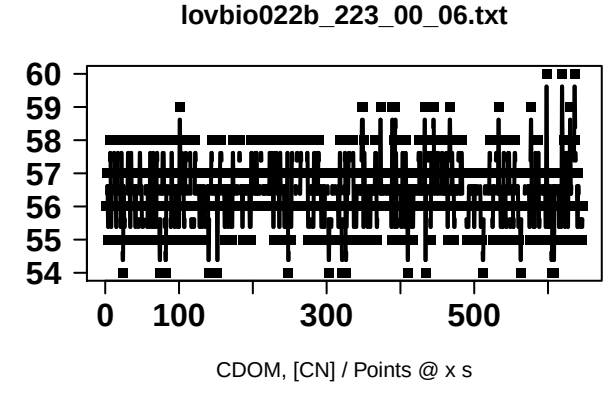

lovbio022b_222_00_06.txt
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

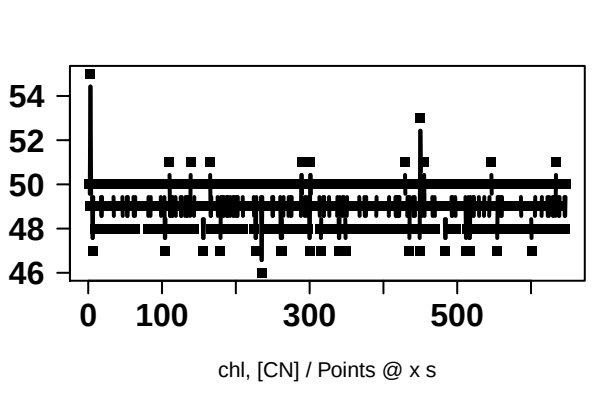

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

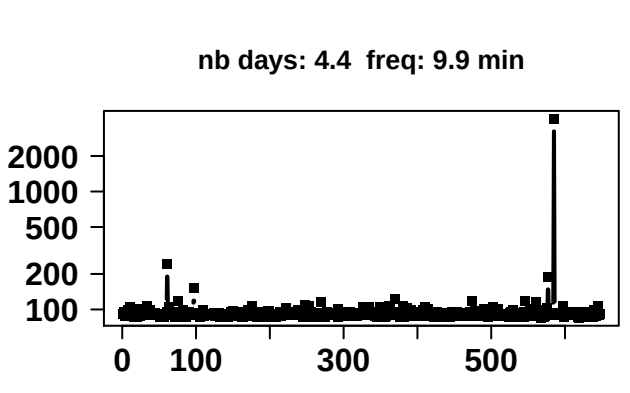

nb days: 4.4 freq: 9.8 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

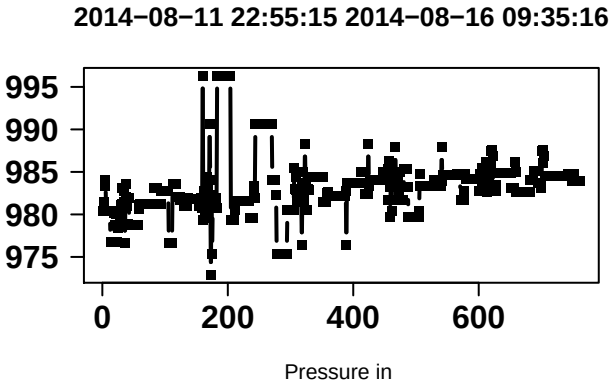

2014−08−06 23:11:45 2014−08−11 09:51:46
985
980
975
970
0
200
400
600
Pressure in

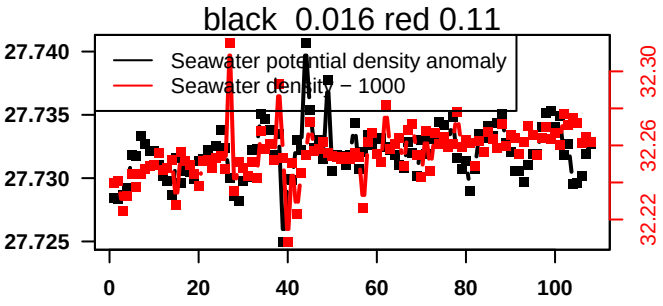

black 0.0074 red 0.084
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
32.28
32.24
32.20
0
20
40
60
80
100

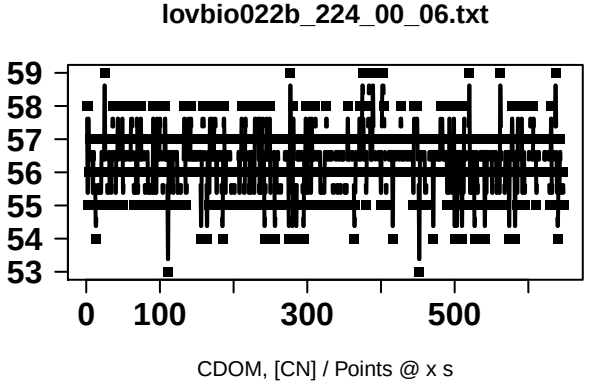

lovbio022b_223_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

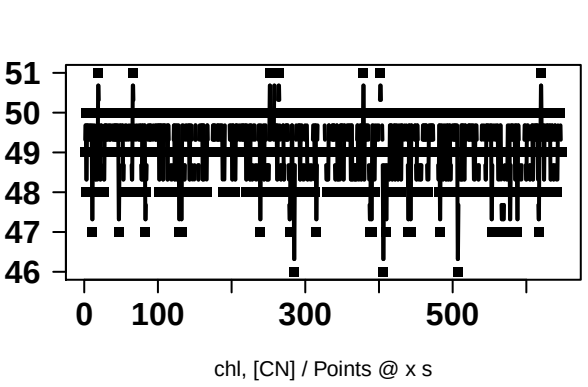

54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

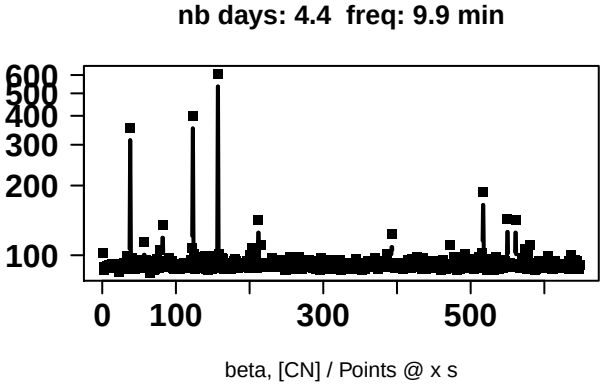

nb days: 4.4 freq: 9.9 min
2000
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

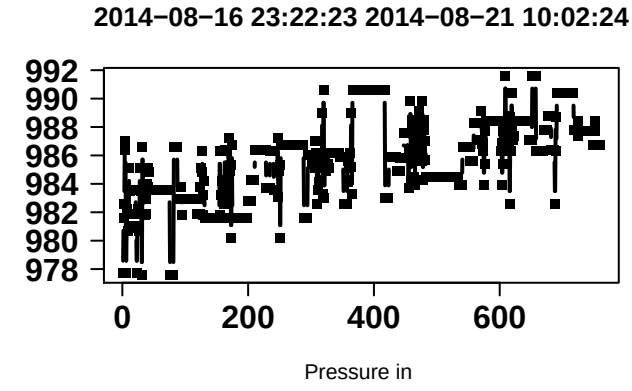

2014−08−11 22:55:15 2014−08−16 09:35:16
995
990
985
980
975
0
200
400
600
Pressure in

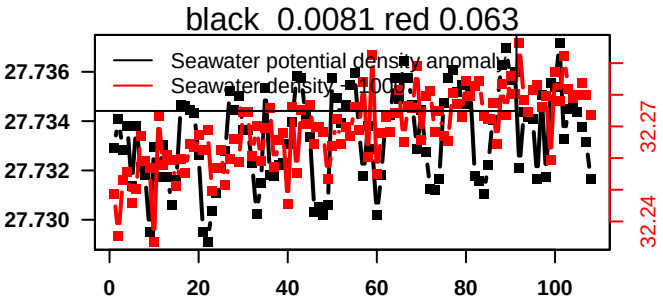

black 0.016 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.740
27.735
27.730
27.725
0
20
40
60
80
100
32.30
32.26
32.22

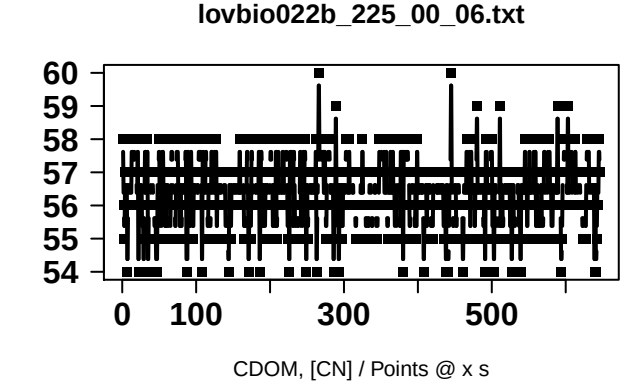

lovbio022b_224_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

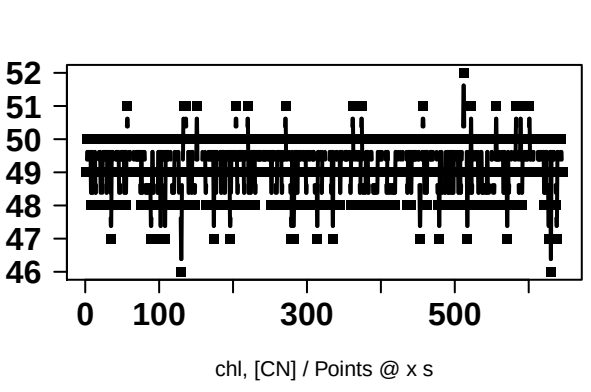

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

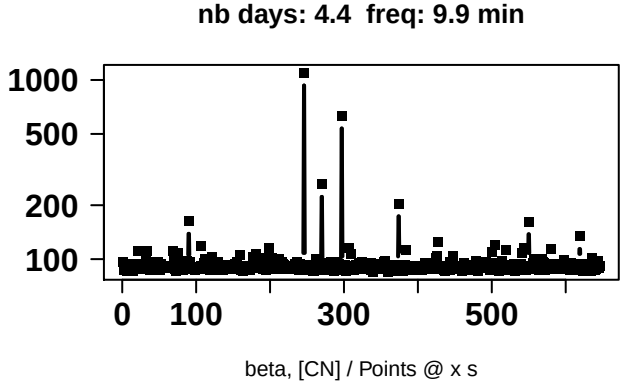

nb days: 4.4 freq: 9.9 min
600
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

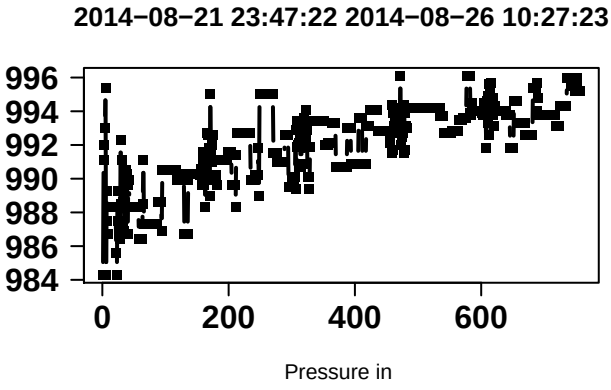

2014−08−16 23:22:23 2014−08−21 10:02:24
992
990
988
986
984
982
980
978
0
200
400
600
Pressure in

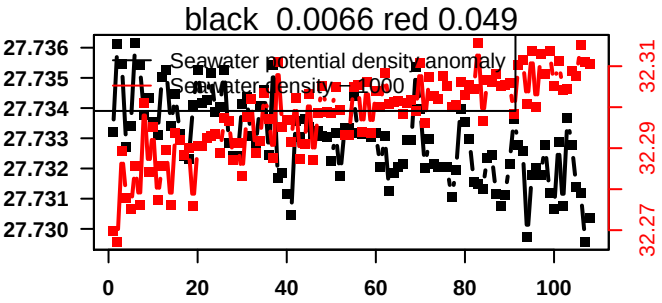

black 0.0081 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
32.27
32.24
0
20
40
60
80
100

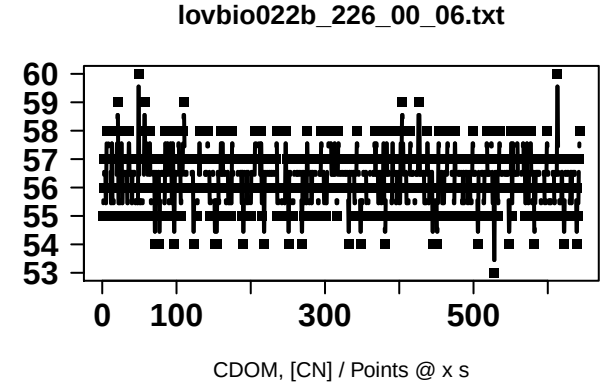

lovbio022b_225_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

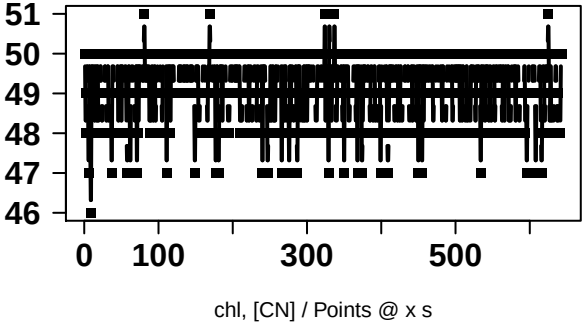

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

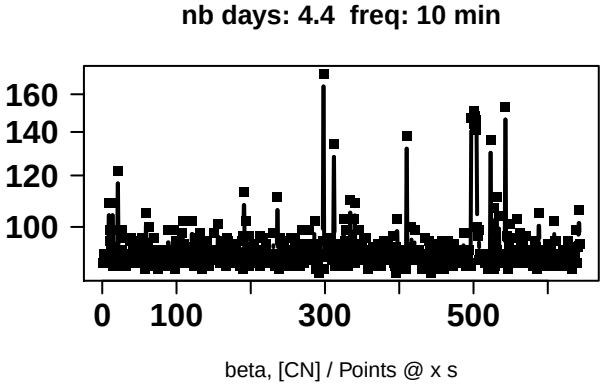

nb days: 4.4 freq: 9.9 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

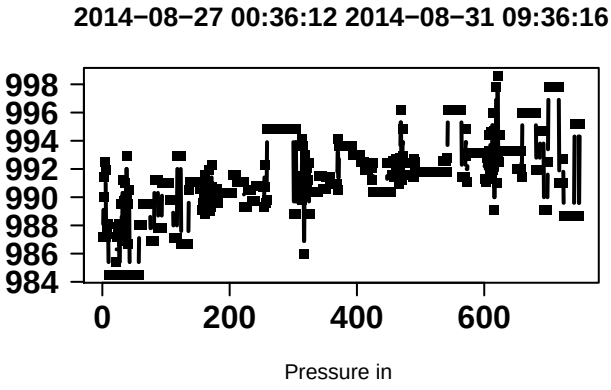

2014−08−21 23:47:22 2014−08−26 10:27:23
996
994
992
990
988
986
984
0
200
400
600
Pressure in

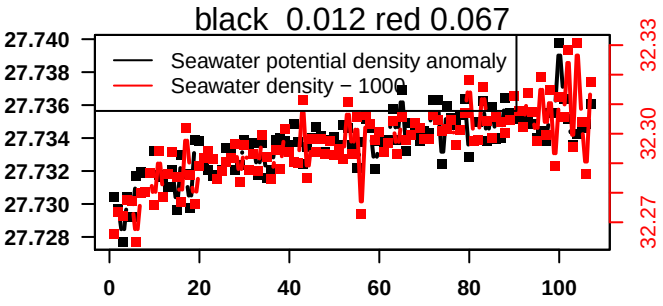

black 0.0066 red 0.049
Seawater potential density anomaly
Seawater density − 1000
27.736
27.735
27.734
27.733
27.732
27.731
27.730
32.31
32.29
32.27
0
20
40
60
80
100

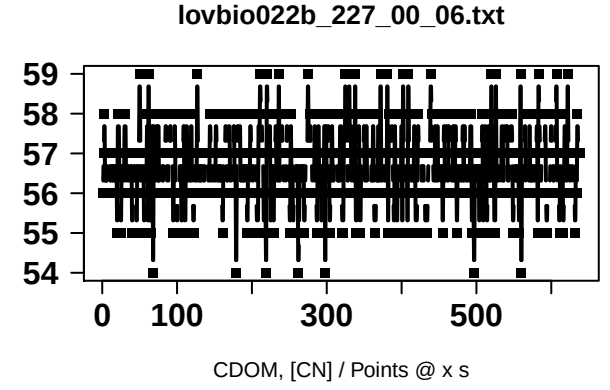

lovbio022b_226_00_06.txt
60
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

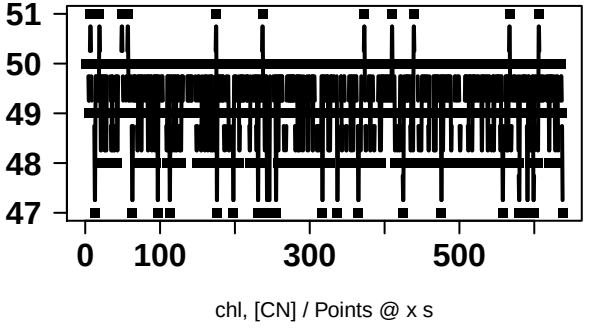

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

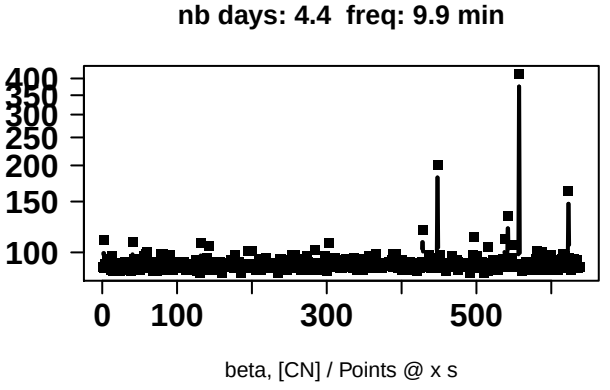

nb days: 4.4 freq: 10 min
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

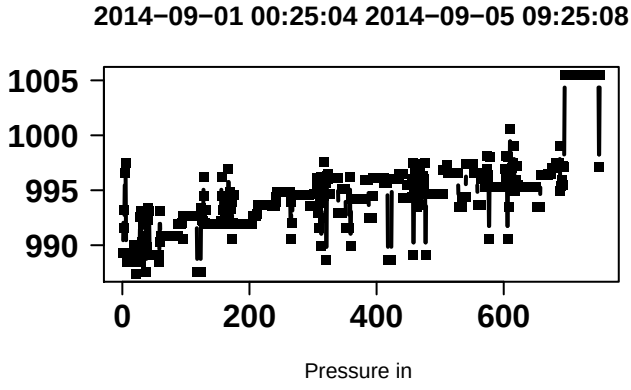

2014−08−27 00:36:12 2014−08−31 09:36:16
998
996
994
992
990
988
986
984
0
200
400
600
Pressure in

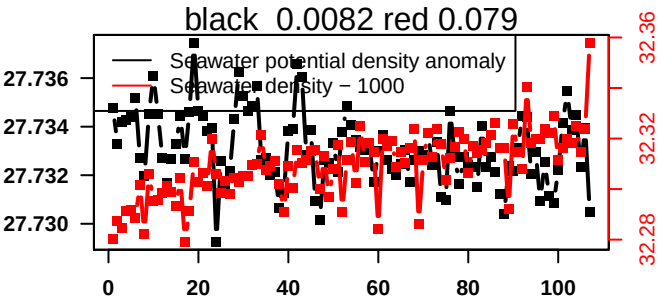

black 0.012 red 0.067
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
27.730
27.728
32.33
32.30
32.27
0
20
40
60
80
100

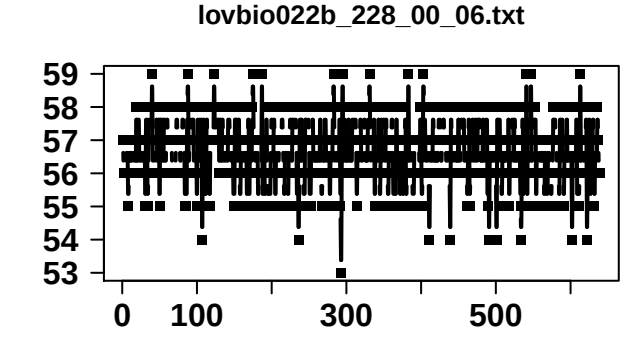

lovbio022b_227_00_06.txt
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

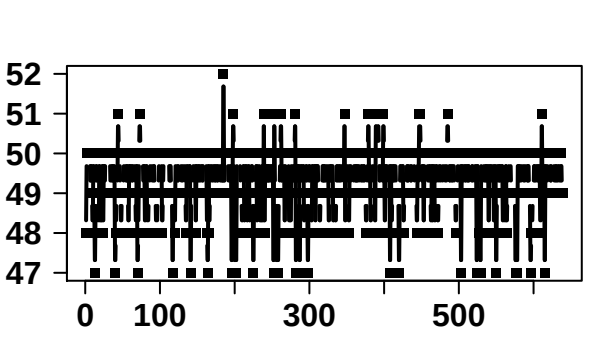

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

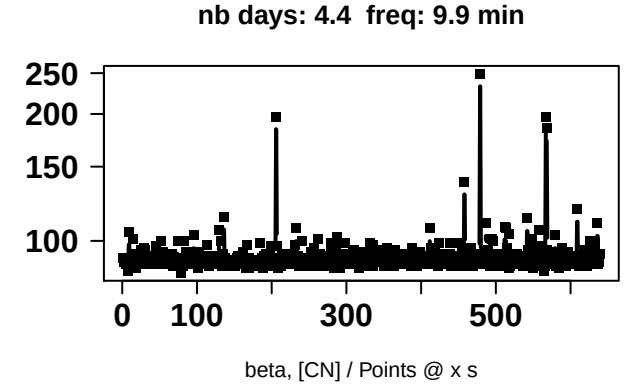

nb days: 4.4 freq: 9.9 min
400
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

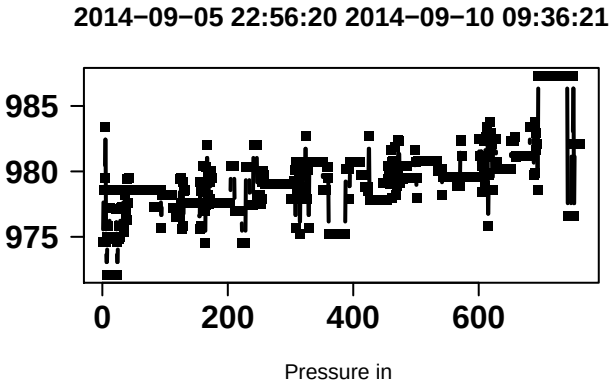

2014−09−01 00:25:04 2014−09−05 09:25:08
1005
1000
995
990
0
200
400
600
Pressure in

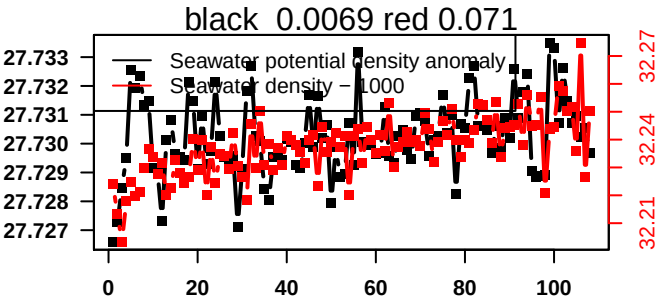

black 0.0082 red 0.079
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
32.36
32.32
32.28
0
20
40
60
80
100

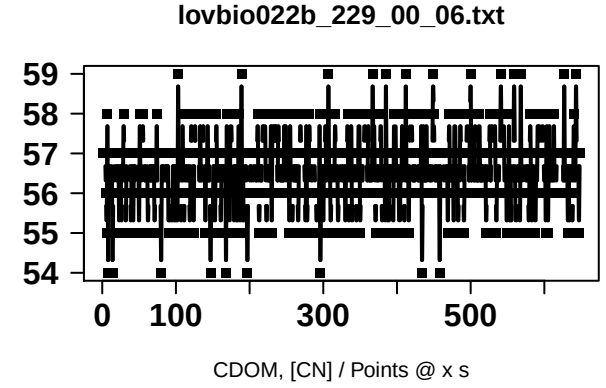

lovbio022b_228_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

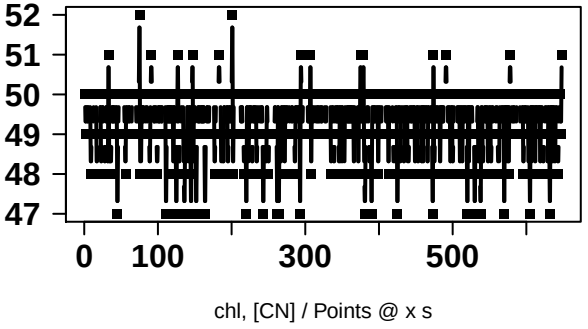

52
51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

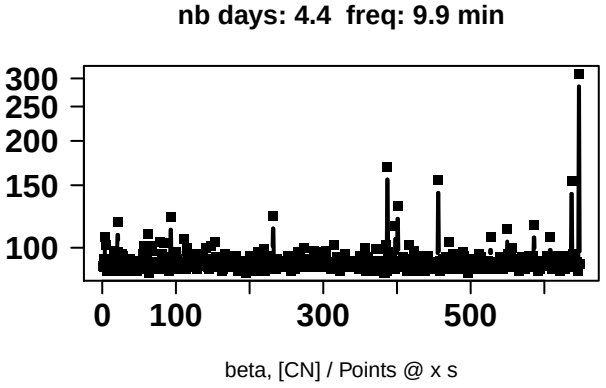

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

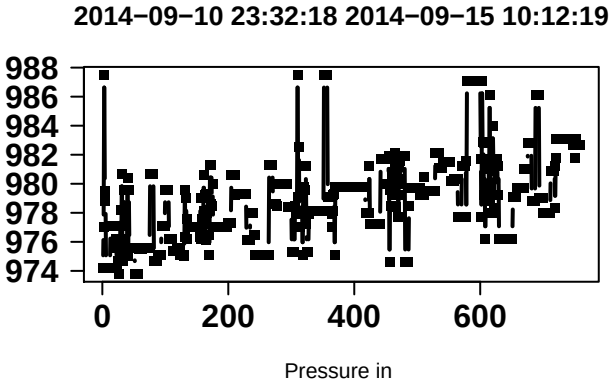

2014−09−05 22:56:20 2014−09−10 09:36:21
985
980
975
0
200
400
600
Pressure in

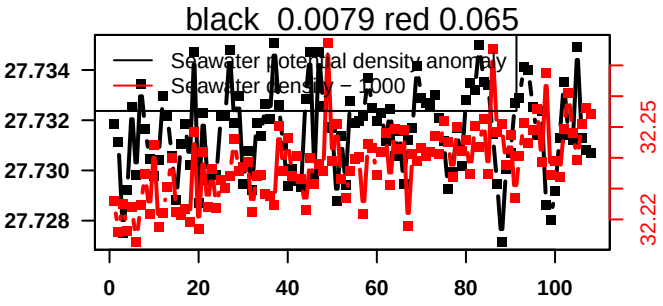

black 0.0069 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
27.727
32.27
32.24
32.21
0
20
40
60
80
100

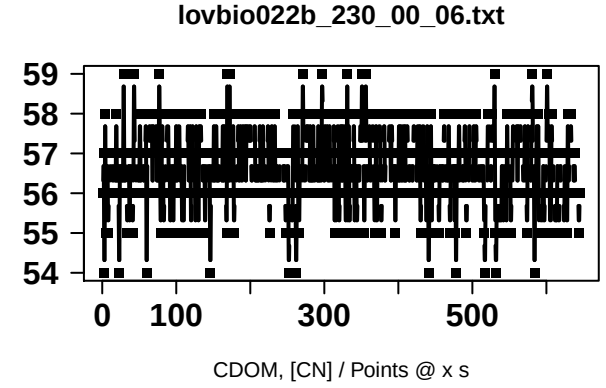

lovbio022b_229_00_06.txt
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

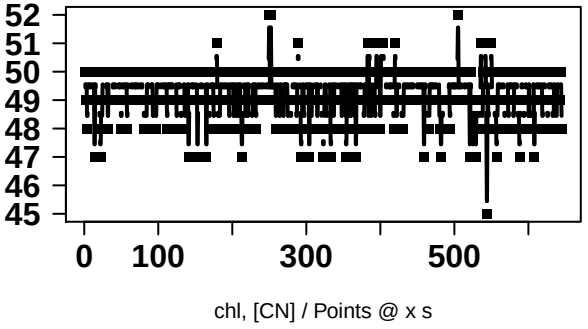

52
51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

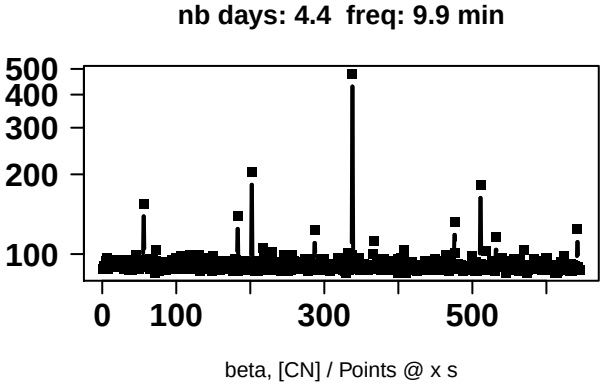

nb days: 4.4 freq: 9.9 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

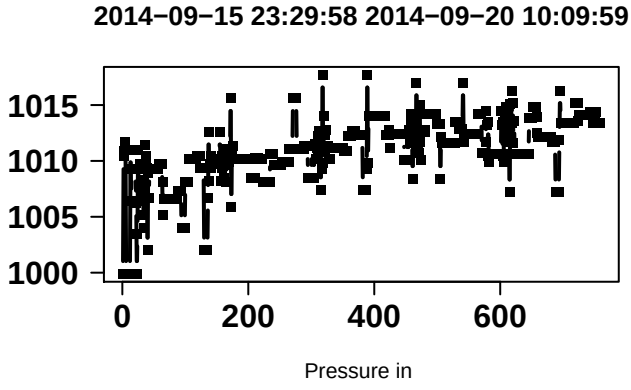

2014−09−10 23:32:18 2014−09−15 10:12:19
988
986
984
982
980
978
976
974
0
200
400
600
Pressure in

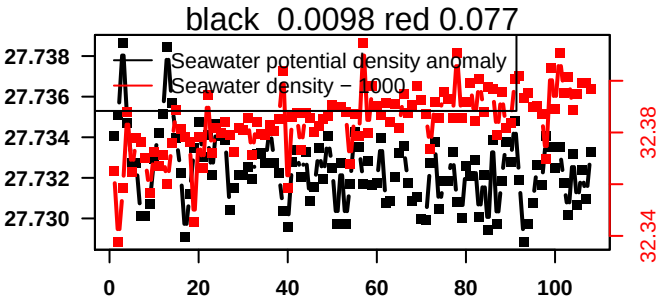

black 0.0079 red 0.065
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.25
32.22
0
20
40
60
80
100

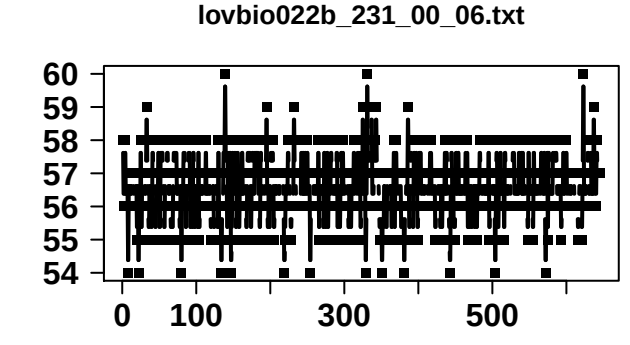

lovbio022b_230_00_06.txt
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

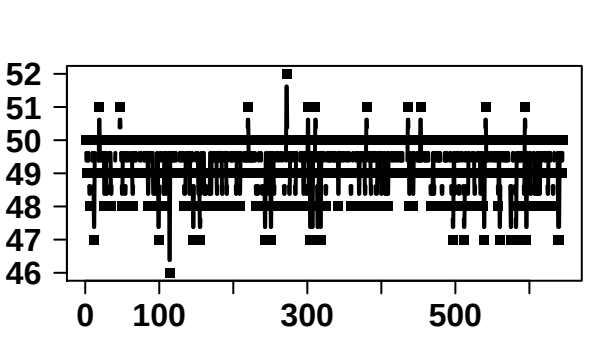

52
51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s

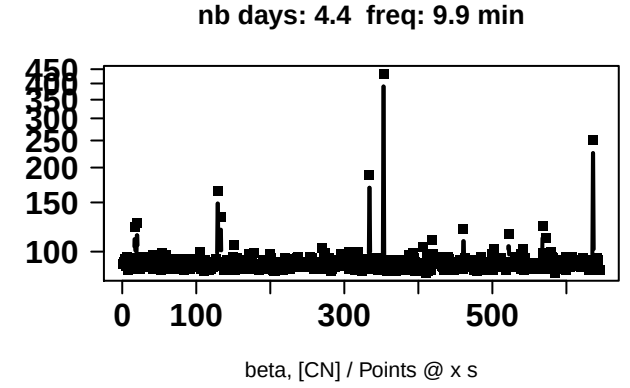

nb days: 4.4 freq: 9.9 min
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

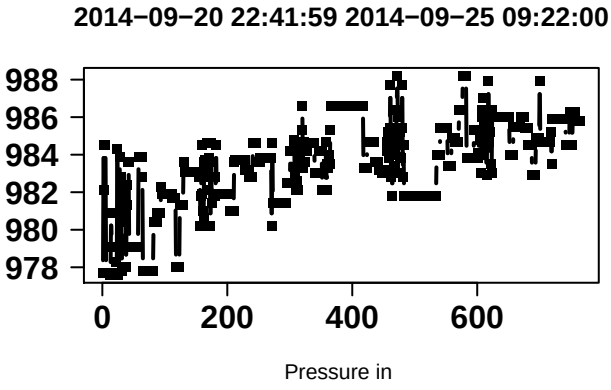

2014−09−15 23:29:58 2014−09−20 10:09:59
1015
1010
1005
1000
0
200
400
600
Pressure in

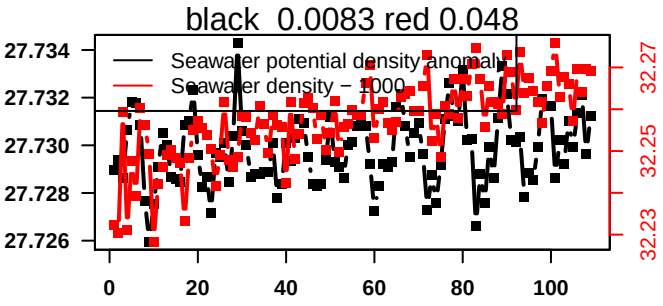

black 0.0098 red 0.077
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.38
32.34
0
20
40
60
80
100

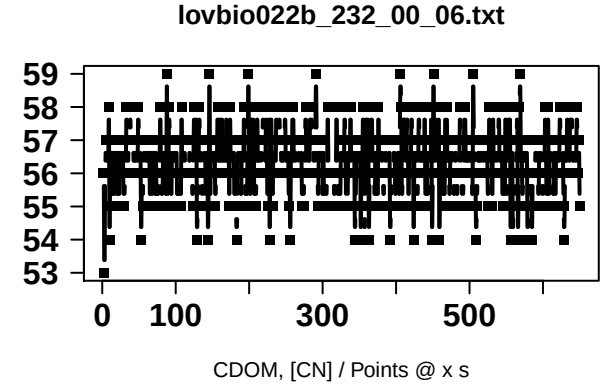

lovbio022b_231_00_06.txt
60
59
58
57
56
55
54
0
100
300
500
CDOM, [CN] / Points @ x s

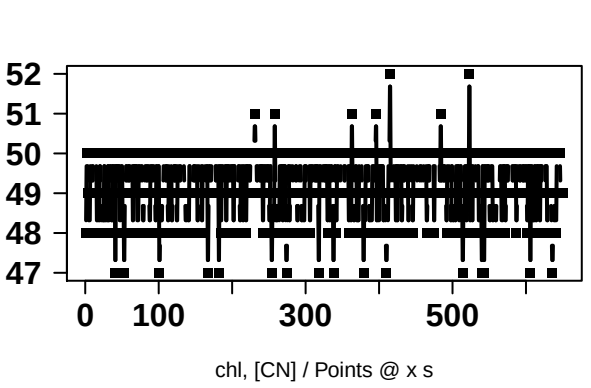

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

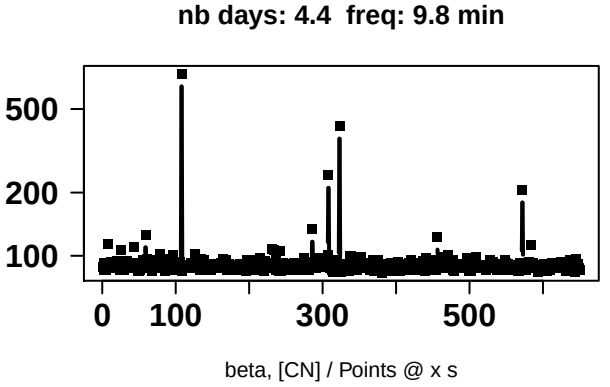

nb days: 4.4 freq: 9.9 min
450
400
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

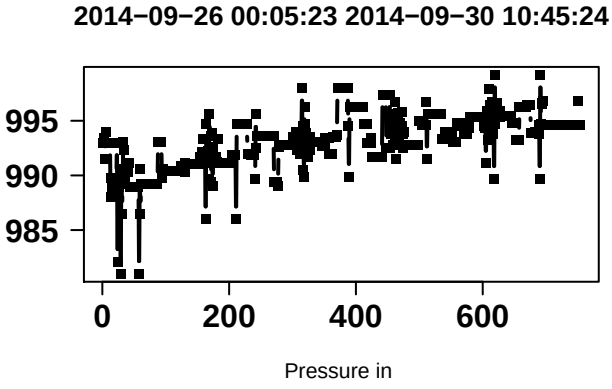

2014−09−20 22:41:59 2014−09−25 09:22:00
988
986
984
982
980
978
0
200
400
600
Pressure in

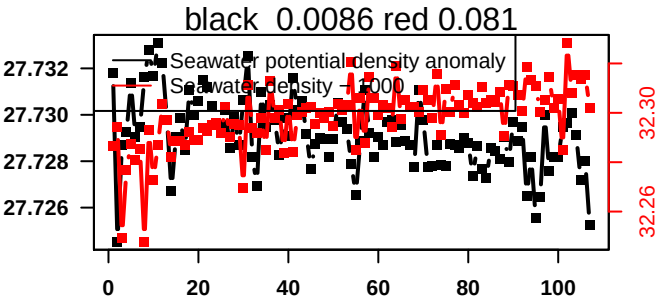

black 0.0083 red 0.048
27.734
27.732
27.730
27.728
27.726
Seawater potential density anomaly
Seawater density − 1000
32.27
32.25
32.23
0
20
40
60
80
100

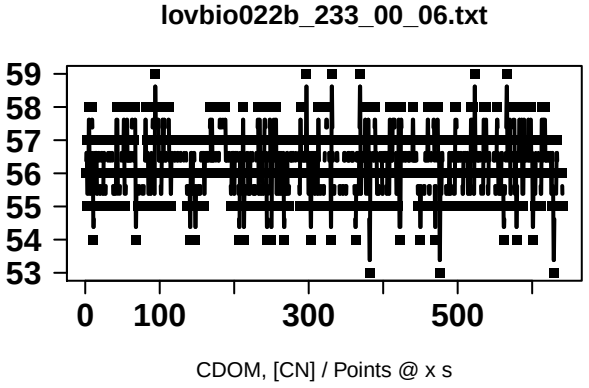

lovbio022b_232_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

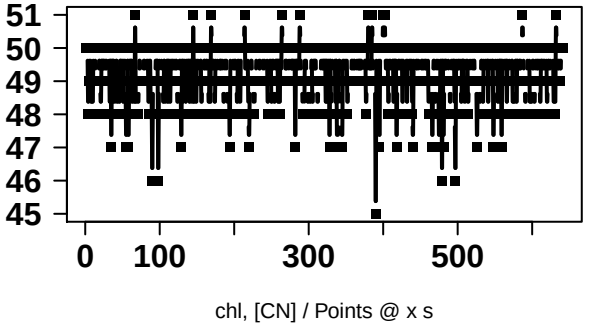

52
51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

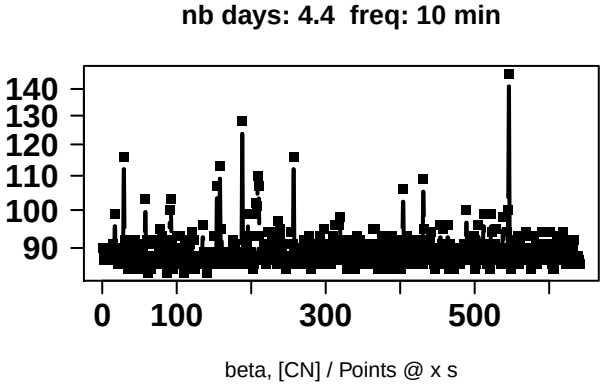

nb days: 4.4 freq: 9.8 min
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

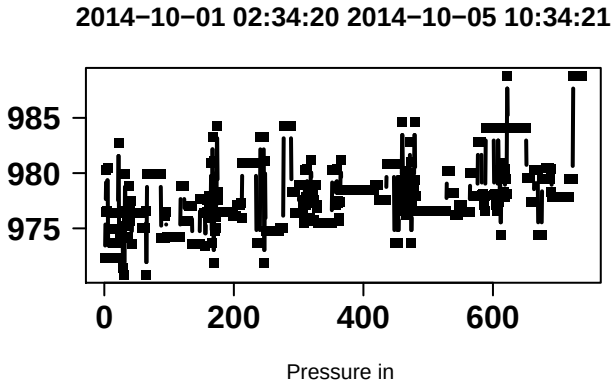

2014−09−26 00:05:23 2014−09−30 10:45:24
995
990
985
0
200
400
600
Pressure in

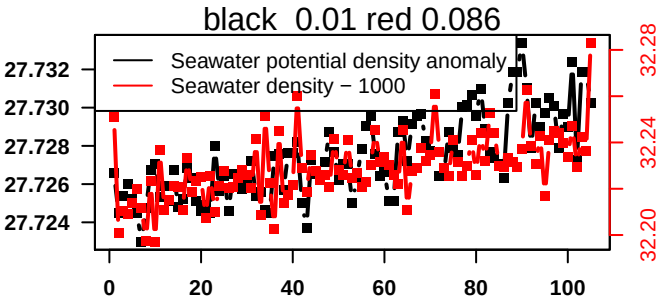

black 0.0086 red 0.081
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.30
32.26
0
20
40
60
80
100

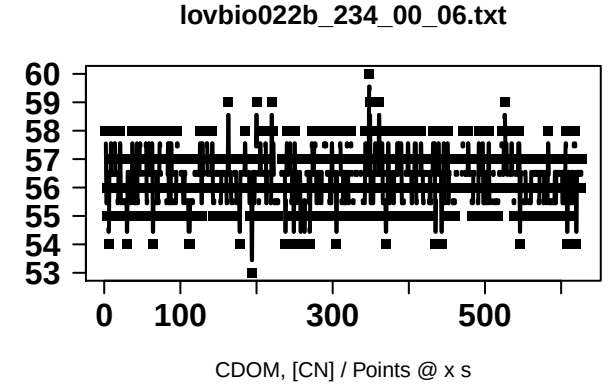

lovbio022b_233_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

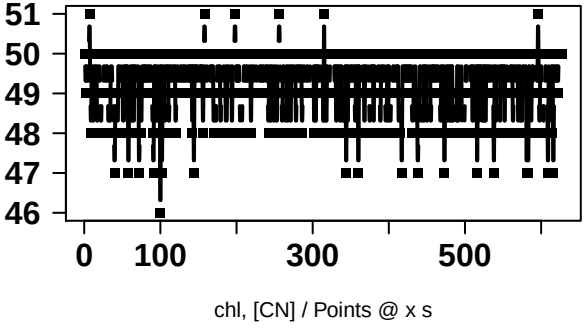

51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s

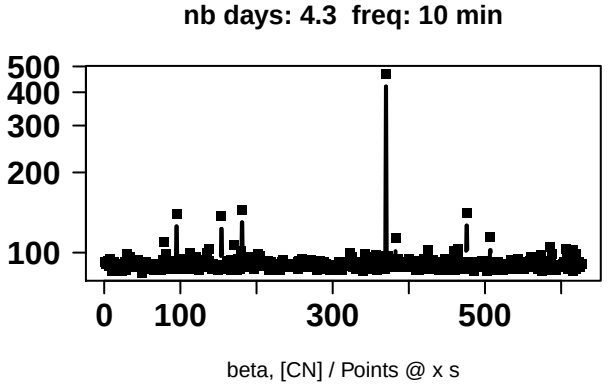

nb days: 4.4 freq: 10 min
140
130
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

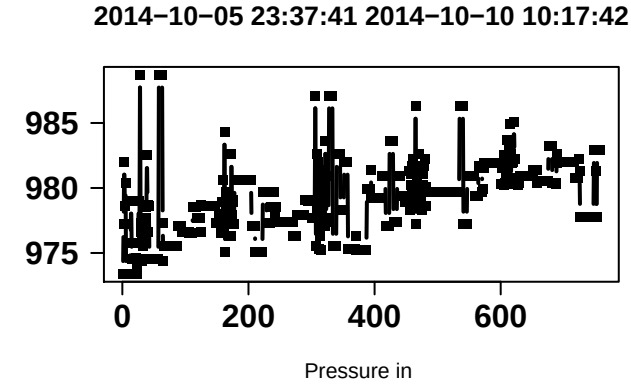

2014−10−01 02:34:20 2014−10−05 10:34:21
985
980
975
0
200
400
600
Pressure in

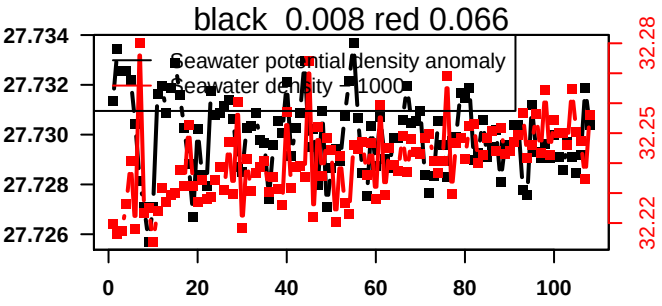

black 0.01 red 0.086
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
32.28
32.24
32.20
0
20
40
60
80
100

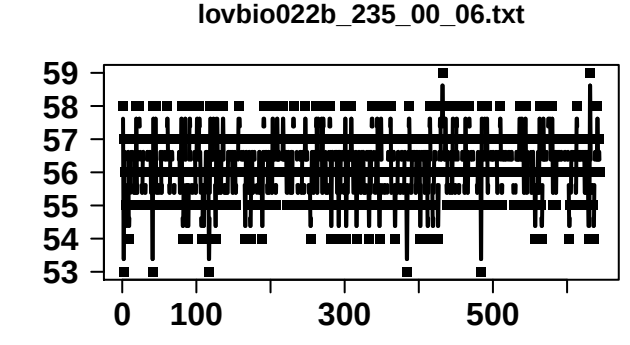

lovbio022b_234_00_06.txt
60
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

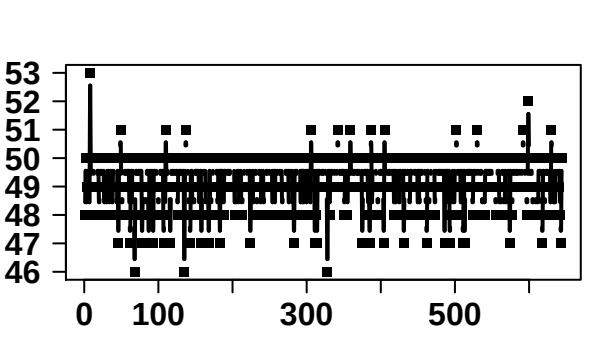

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

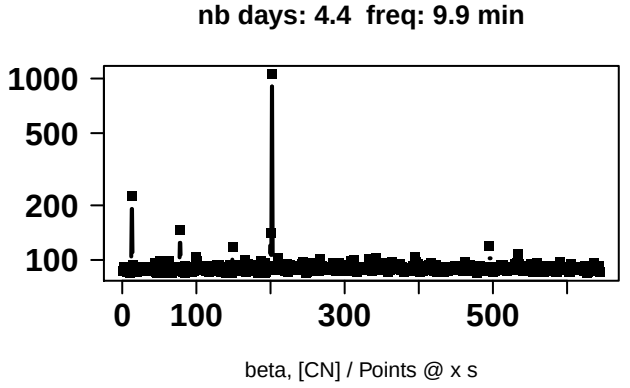

nb days: 4.3 freq: 10 min
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

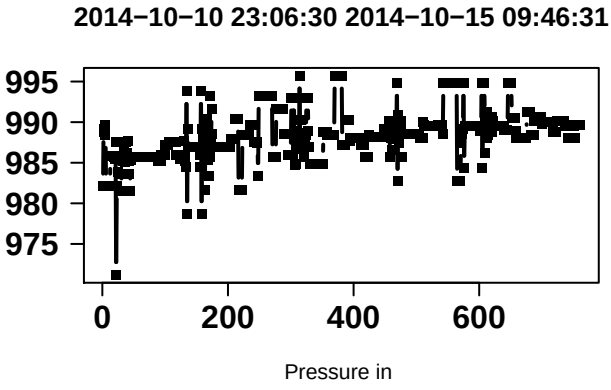

2014−10−05 23:37:41 2014−10−10 10:17:42
985
980
975
0
200
400
600
Pressure in

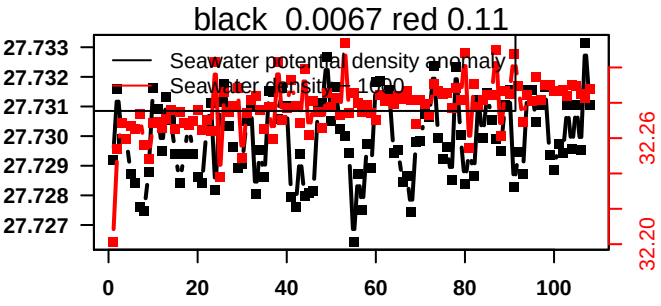

black 0.008 red 0.066
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.28
32.25
32.22
0
20
40
60
80
100

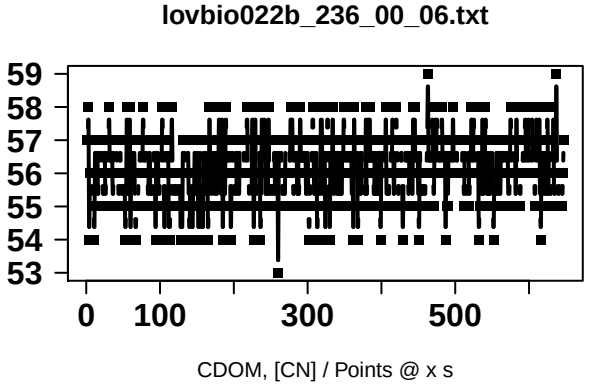

lovbio022b_235_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

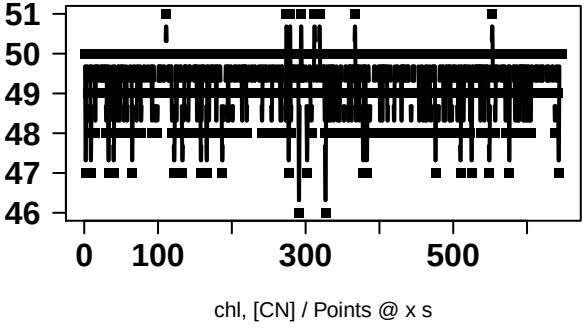

53
52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

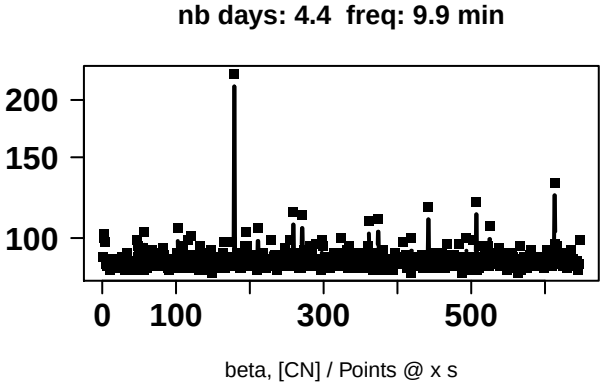

nb days: 4.4 freq: 9.9 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

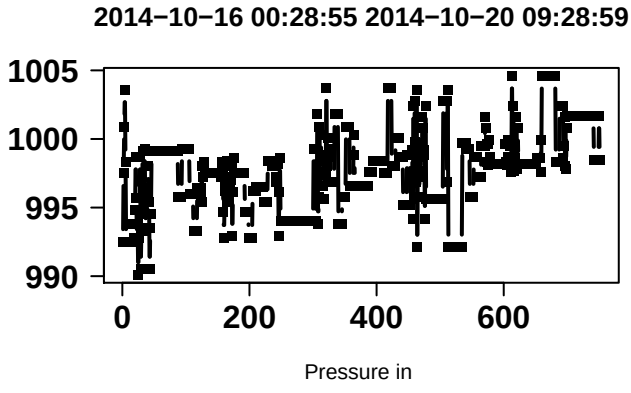

2014−10−10 23:06:30 2014−10−15 09:46:31
995
990
985
980
975
0
200
400
600
Pressure in

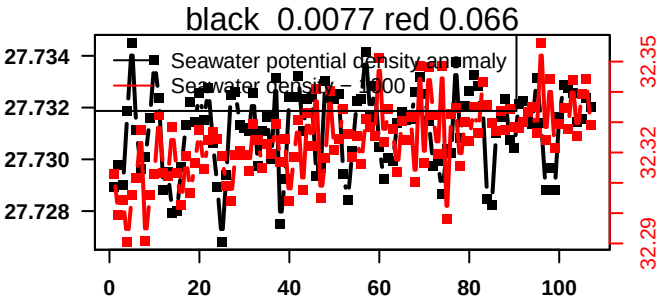

black 0.0067 red 0.11
27.733
27.732
27.731
27.730
27.729
27.728
27.727
Seawater potential density anomaly
Seawater density − 1000
0
20
40
60
80
100
32.26
32.20

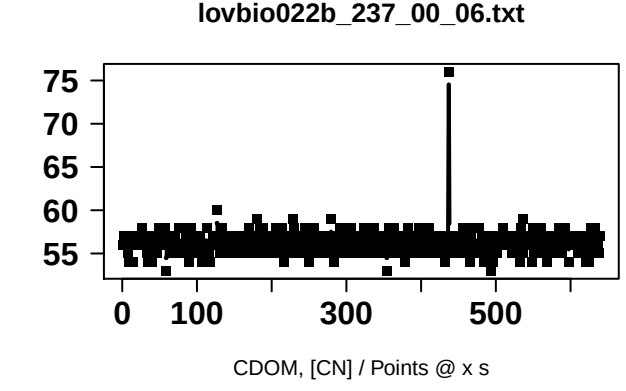

lovbio022b_236_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

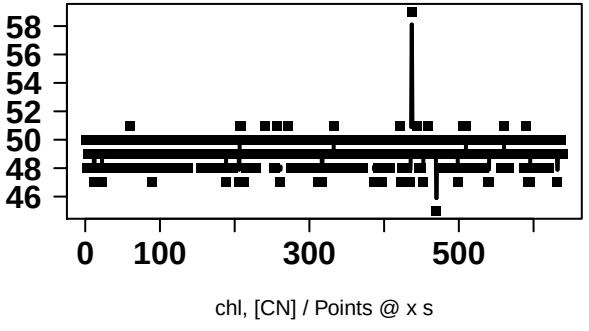

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

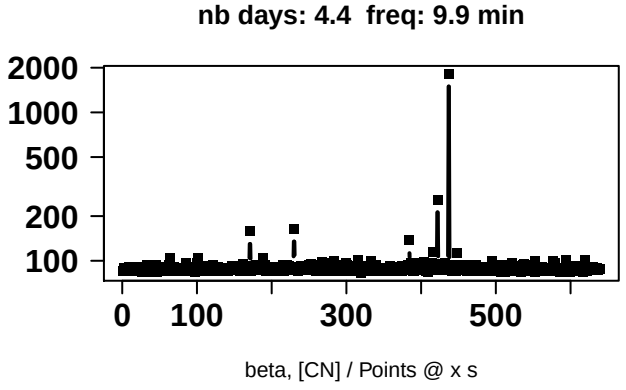

nb days: 4.4 freq: 9.9 min
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

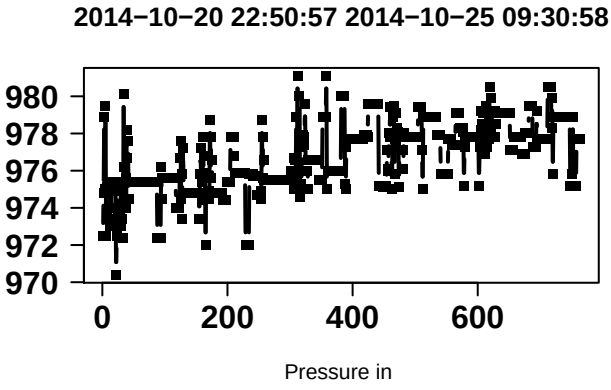

2014−10−16 00:28:55 2014−10−20 09:28:59
1005
1000
995
990
0
200
400
600
Pressure in

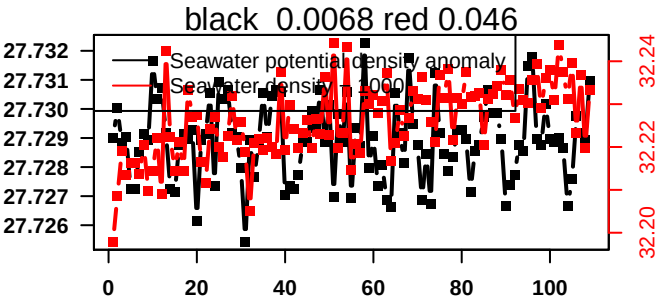

black 0.0077 red 0.066
Seawater potential density anomaly
27.734
27.732
27.730
27.728
32.35
32.32
32.29
0
20
40
60
80
100

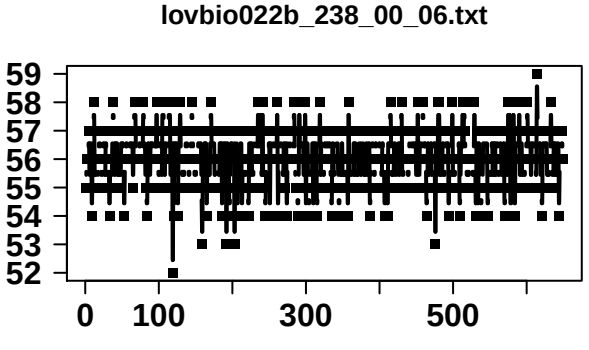

lovbio022b_237_00_06.txt
75
70
65
60
55
0
100
300
500
CDOM, [CN] / Points @ x s

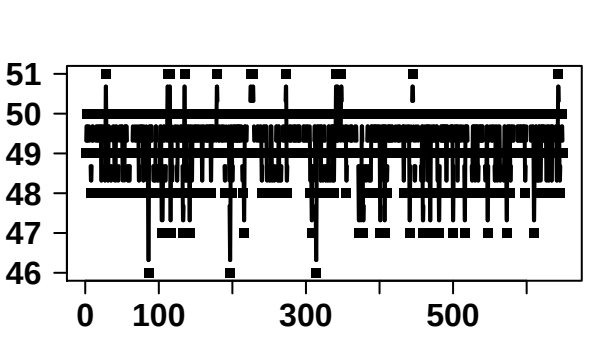

58
56
54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

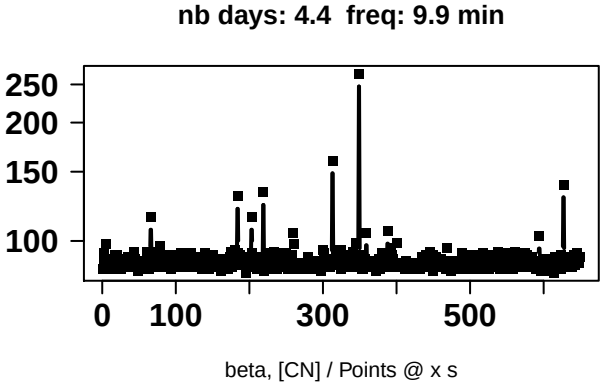

nb days: 4.4 freq: 9.9 min
2000
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

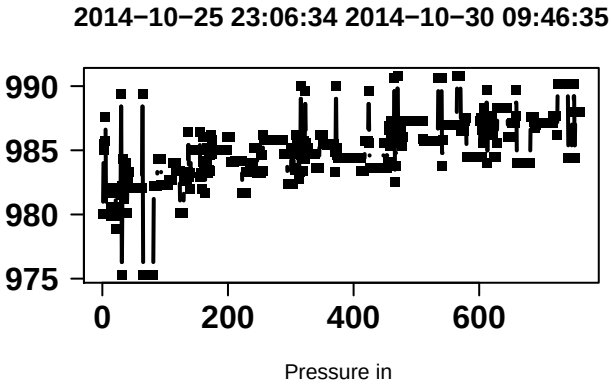

2014−10−20 22:50:57 2014−10−25 09:30:58
980
978
976
974
972
970
0
200
400
600
Pressure in

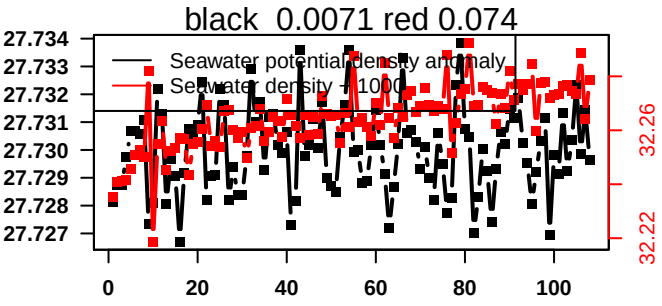

black 0.0068 red 0.046
Seawater potential density anomaly
27.732
27.731
27.730
27.729
27.728
27.727
27.726
32.24
32.22
32.20
0
20
40
60
80
100

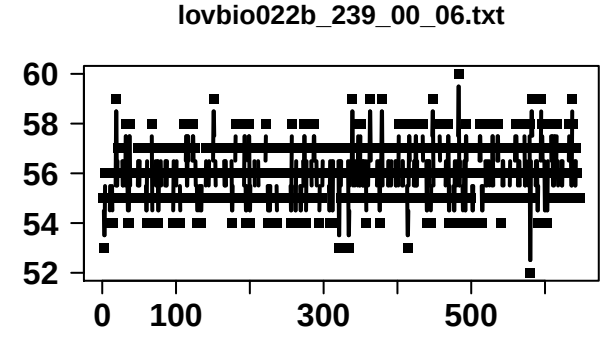

lovbio022b_238_00_06.txt
59
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

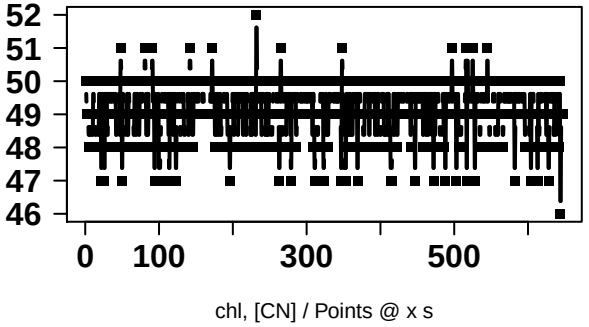

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

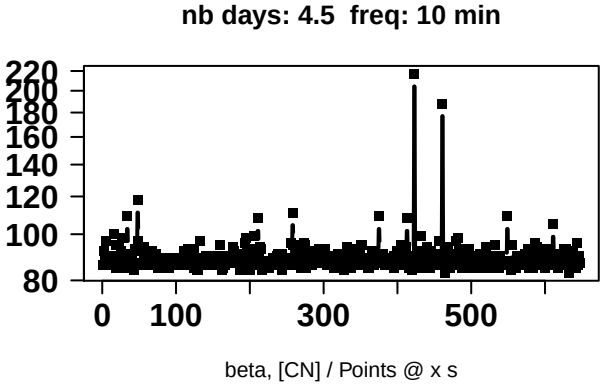

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

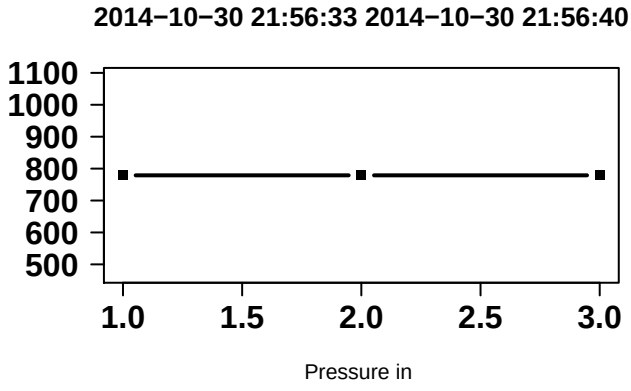

2014−10−25 23:06:34 2014−10−30 09:46:35
990
985
980
975
0
200
400
600
Pressure in

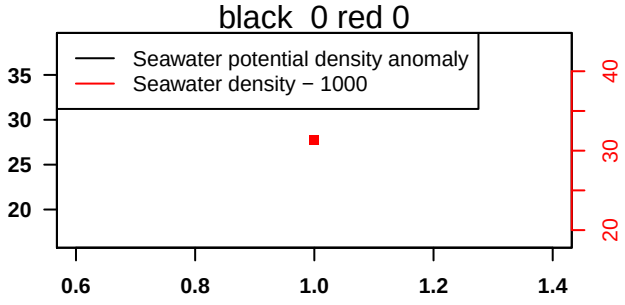

black 0.0071 red 0.074
Seawater potential density anomaly
Seawater density − 1000
27.734
27.733
27.732
27.731
27.730
27.729
27.728
27.727
32.26
32.22
0
20
40
60
80
100

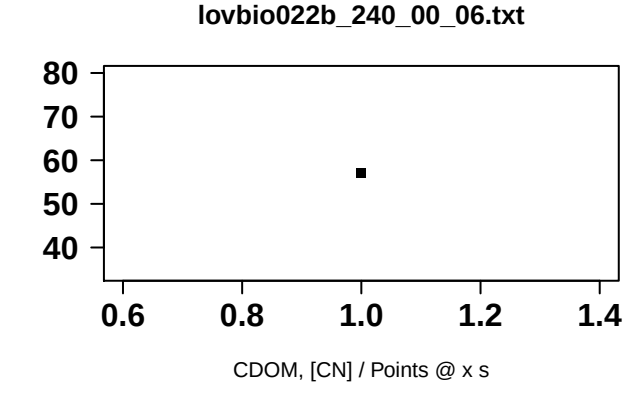

lovbio022b_239_00_06.txt
60
58
56
54
52
0
100
300
500
CDOM, [CN] / Points @ x s

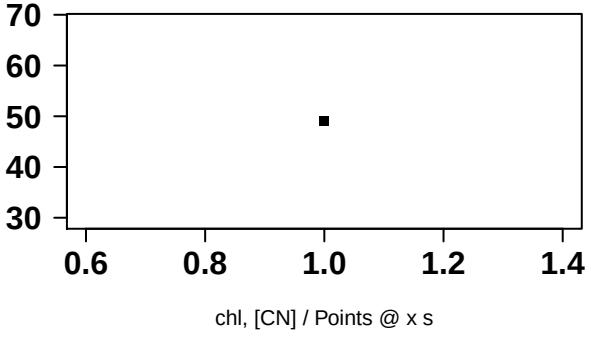

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

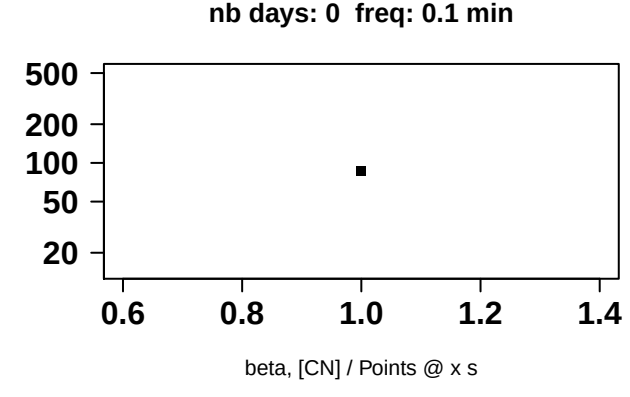

nb days: 4.5 freq: 10 min
220
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

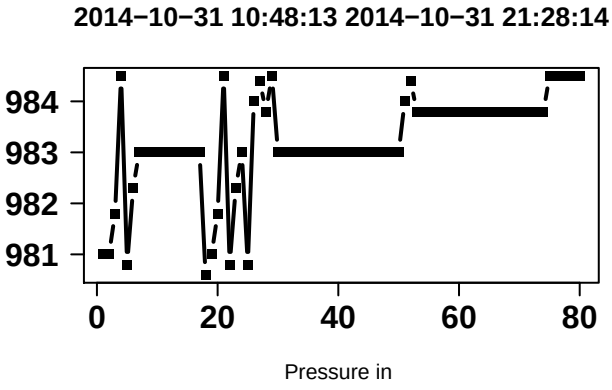

2014−10−30 21:56:33 2014−10−30 21:56:40
1100
1000
900
800
700
600
500
1.0
1.5
2.0
2.5
3.0
Pressure in

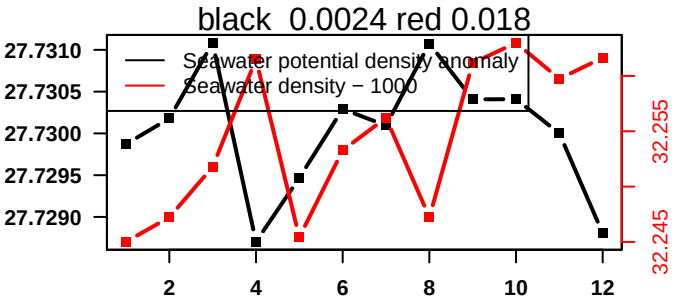

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

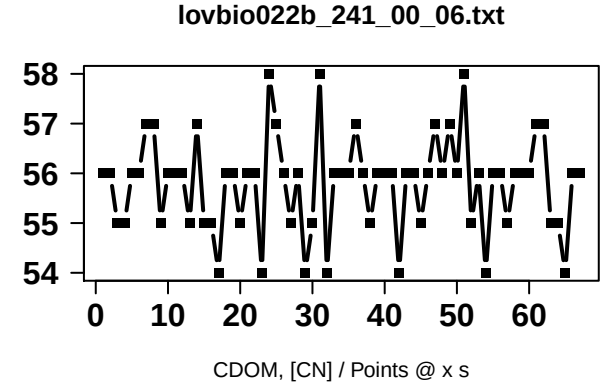

lovbio022b_240_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

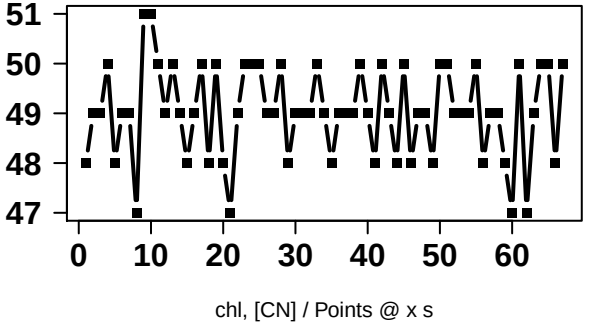

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

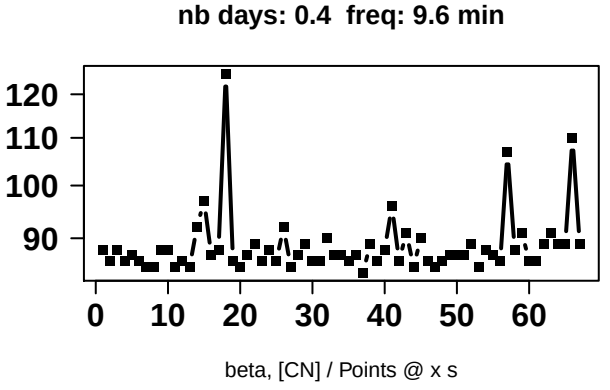

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

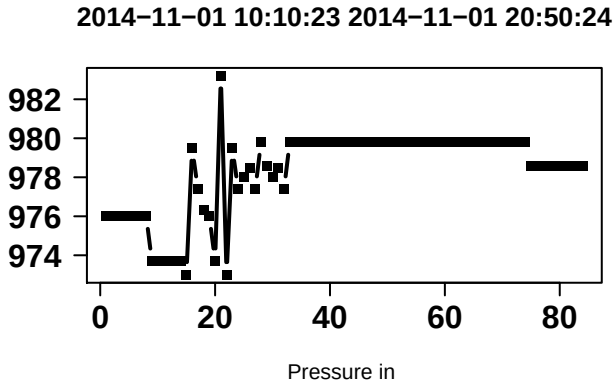

2014−10−31 10:48:13 2014−10−31 21:28:14
984
983
982
981
0
20
40
60
80
Pressure in

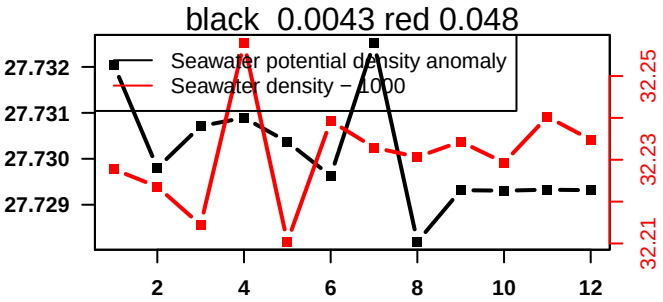

black 0.0024 red 0.018
Seawater potential density anomaly
Seawater density − 1000
27.7310
27.7305
27.7300
27.7295
27.7290
32.255
32.245
2
4
6
8
10
12

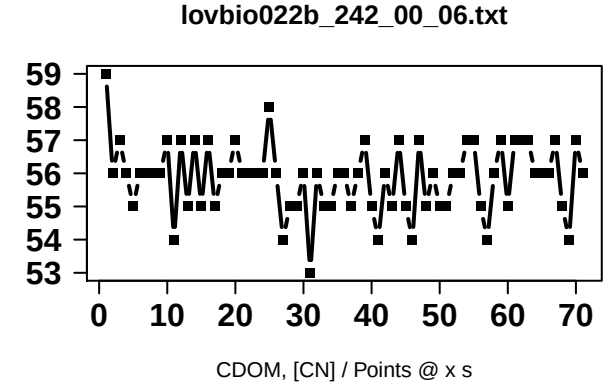

lovbio022b_241_00_06.txt
58
57
56
55
54
0
10
20
30
40
50
60
CDOM, [CN] / Points @ x s

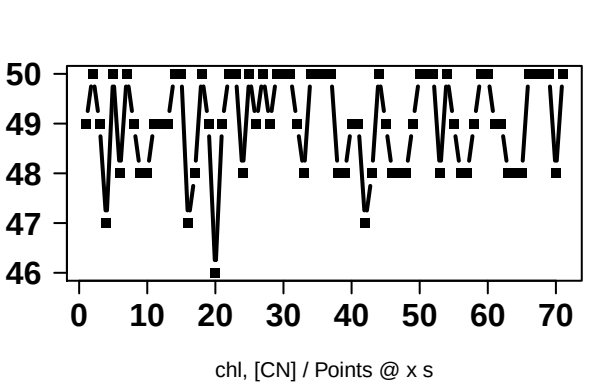

51
50
49
48
47
0
10
20
30
40
50
60
chl, [CN] / Points @ x s

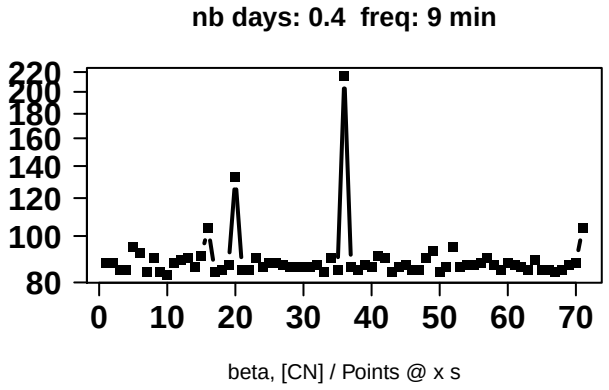

nb days: 0.4 freq: 9.6 min
120
110
100
90
0
10
20
30
40
50
60
beta, [CN] / Points @ x s

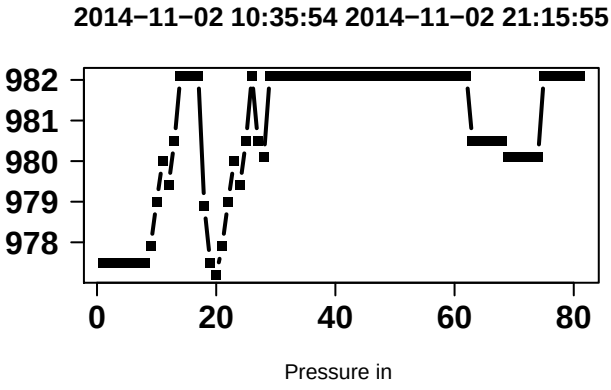

2014−11−01 10:10:23 2014−11−01 20:50:24
982
980
978
976
974
0
20
40
60
80
Pressure in

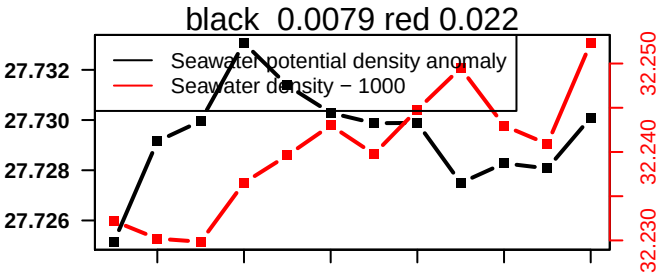

black 0.0043 red 0.048
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
32.25
32.23
32.21
2
4
6
8
10
12

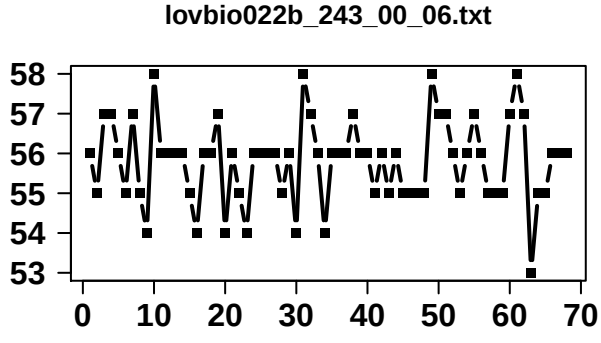

lovbio022b_242_00_06.txt
59
58
57
56
55
54
53
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

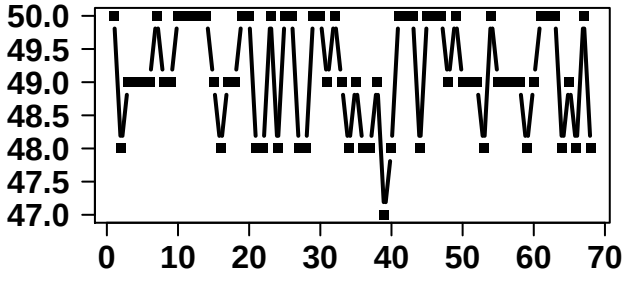

50
49
48
47
46
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

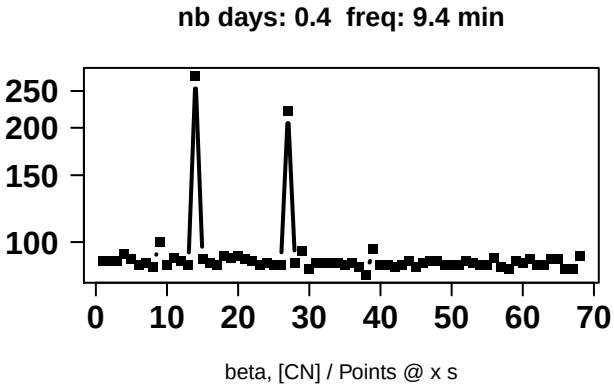

nb days: 0.4 freq: 9 min
220
200
180
160
140
120
100
80
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

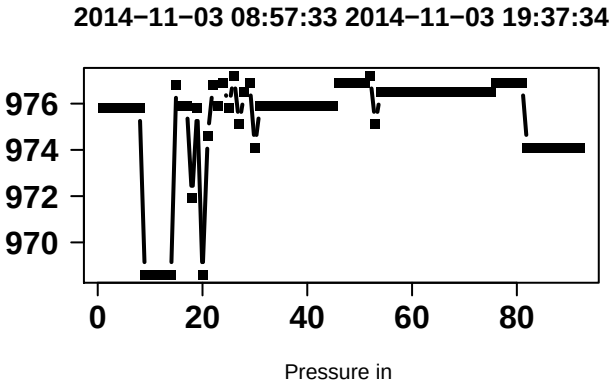

2014−11−02 10:35:54 2014−11−02 21:15:55
982
981
980
979
978
0
20
40
60
80
Pressure in

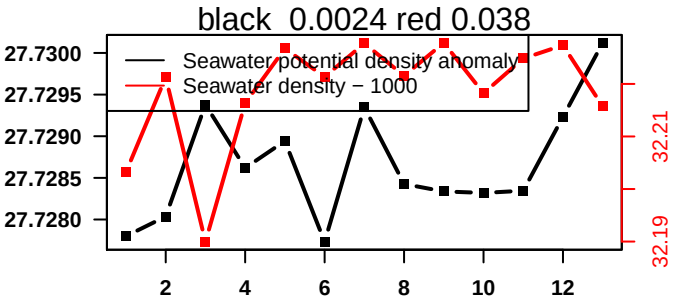

black 0.0079 red 0.022
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.250
32.240
32.230
2
4
6
8
10
12

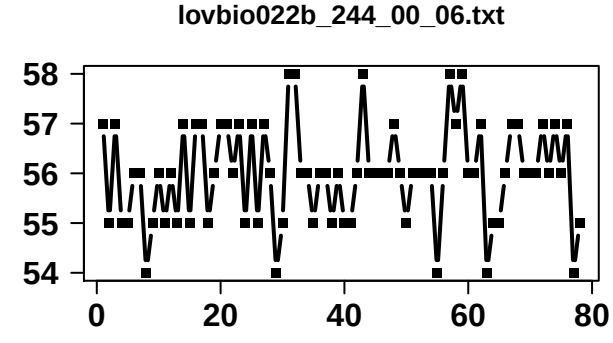

lovbio022b_243_00_06.txt
58
57
56
55
54
53
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

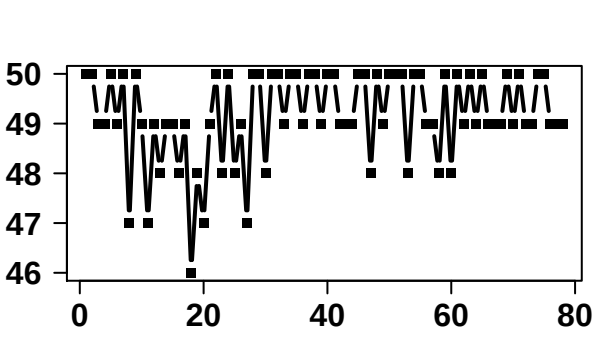

50.0
49.5
49.0
48.5
48.0
47.5
47.0
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

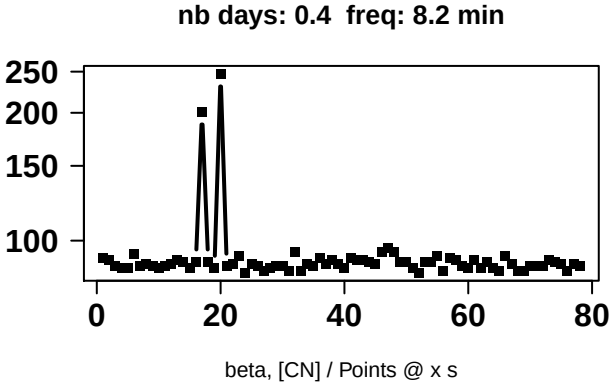

nb days: 0.4 freq: 9.4 min
250
200
150
100
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

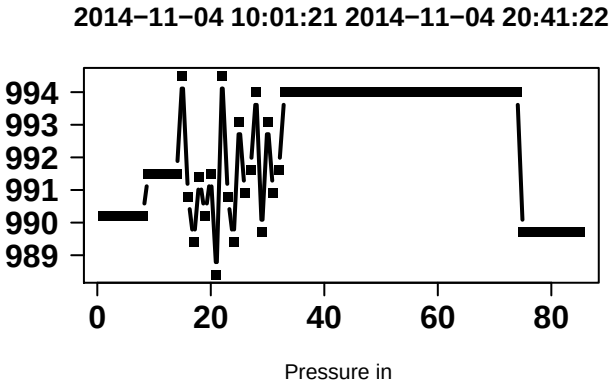

2014−11−03 08:57:33 2014−11−03 19:37:34
976
974
972
970
0
20
40
60
80
Pressure in

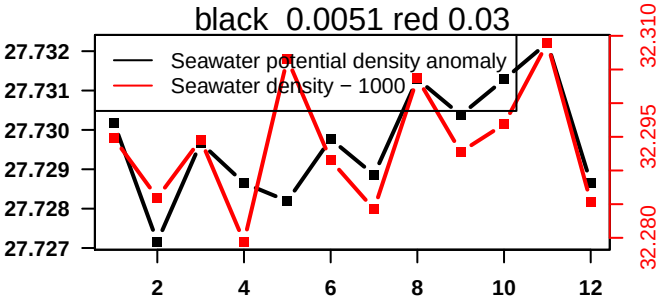

black 0.0024 red 0.038
Seawater potential density anomaly
Seawater density − 1000
27.7300
27.7295
27.7290
27.7285
27.7280
32.21
32.19
2
4
6
8
10
12

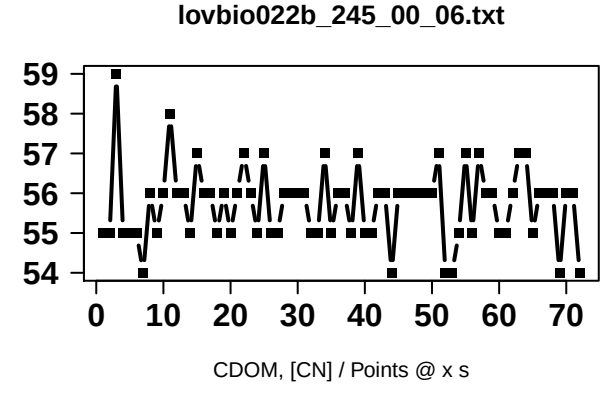

lovbio022b_244_00_06.txt
58
57
56
55
54
0
20
40
60
80
CDOM, [CN] / Points @ x s

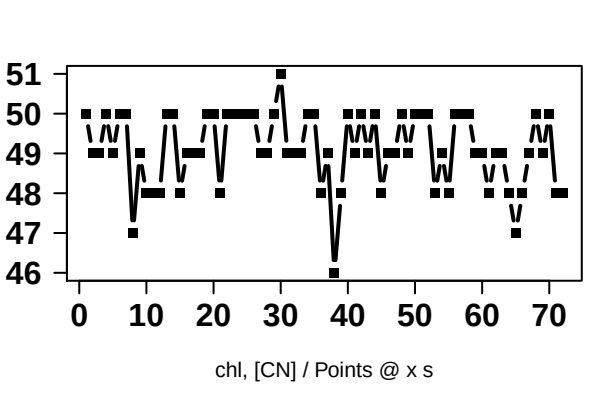

50
49
48
47
46
0
20
40
60
80
chl, [CN] / Points @ x s

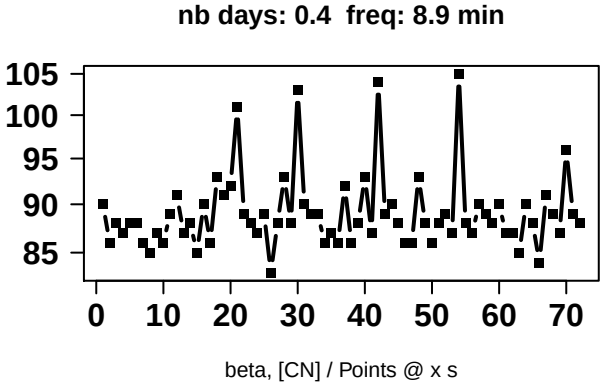

nb days: 0.4 freq: 8.2 min
250
200
150
100
0
20
40
60
80
beta, [CN] / Points @ x s

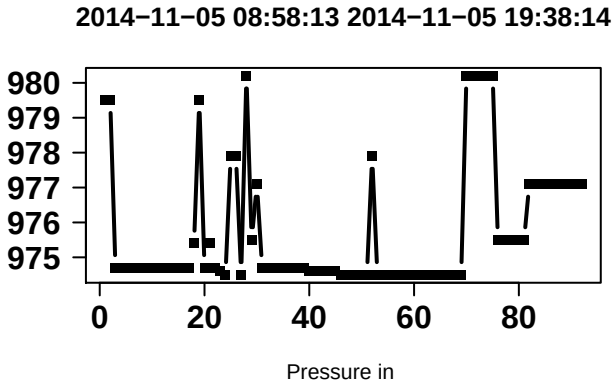

2014−11−04 10:01:21 2014−11−04 20:41:22
994
993
992
991
990
989
0
20
40
60
80
Pressure in

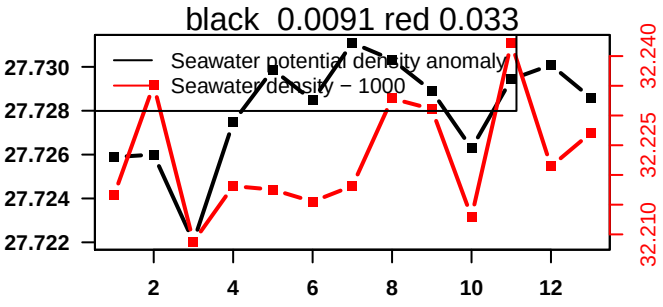

black 0.0051 red 0.03
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
27.728
27.727
32.310
32.295
32.280
2
4
6
8
10
12

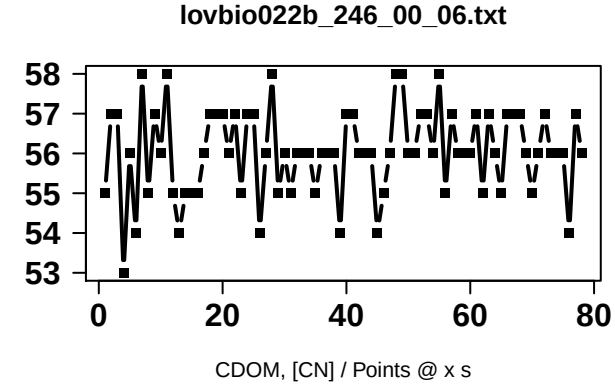

lovbio022b_245_00_06.txt
59
58
57
56
55
54
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

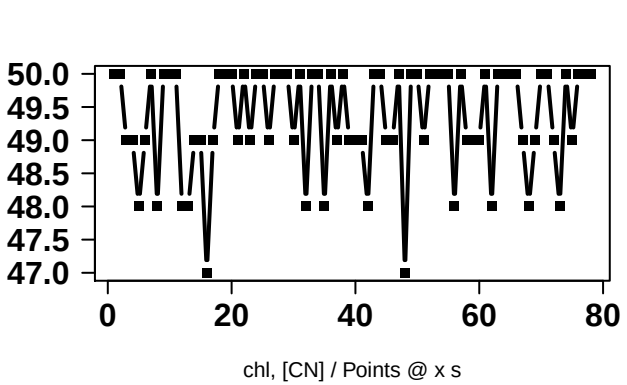

51
50
49
48
47
46
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

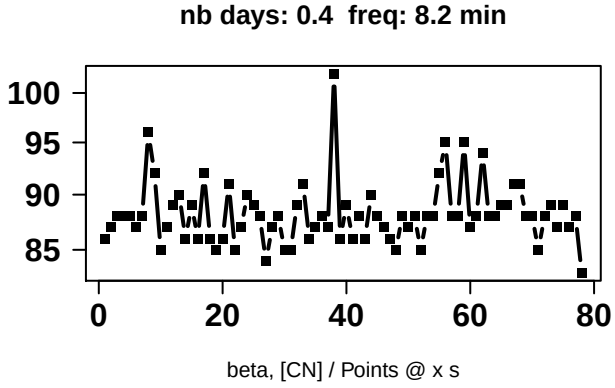

nb days: 0.4 freq: 8.9 min
105
100
95
90
85
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

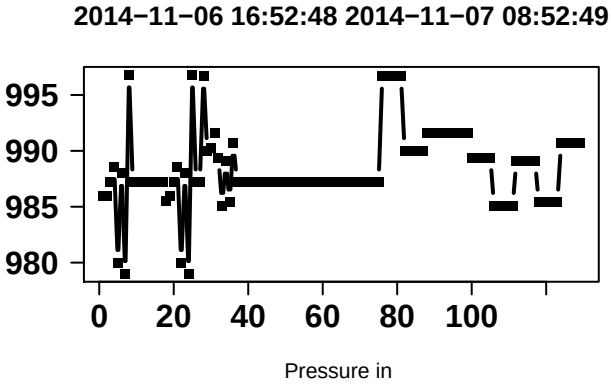

2014−11−05 08:58:13 2014−11−05 19:38:14
980
979
978
977
976
975
0
20
40
60
80
Pressure in

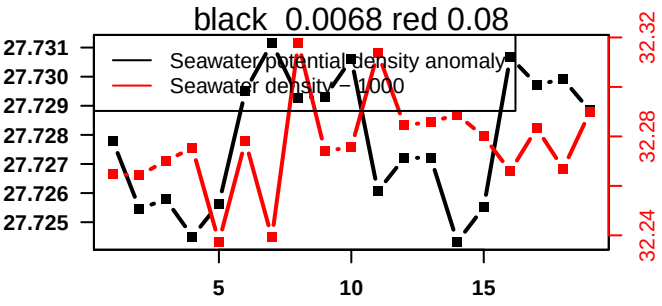

black 0.0091 red 0.033
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
32.240
32.225
32.210
2
4
6
8
10
12

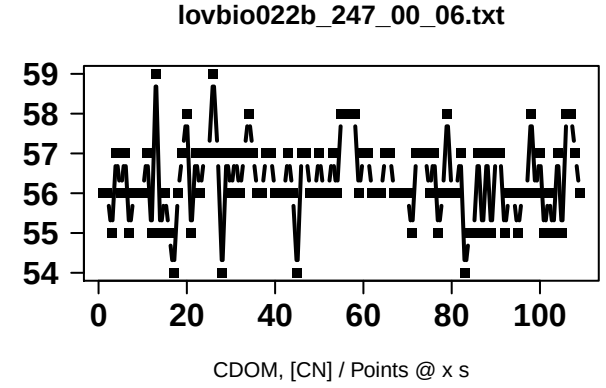

lovbio022b_246_00_06.txt
58
57
56
55
54
53
0
20
40
60
80
CDOM, [CN] / Points @ x s

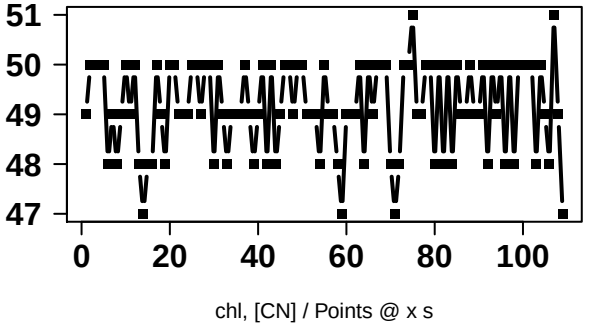

50.0
49.5
49.0
48.5
48.0
47.5
47.0
0
20
40
60
80
chl, [CN] / Points @ x s

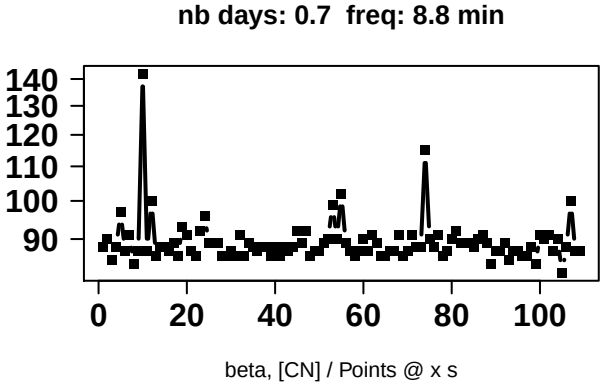

nb days: 0.4 freq: 8.2 min
100
95
90
85
0
20
40
60
80
beta, [CN] / Points @ x s

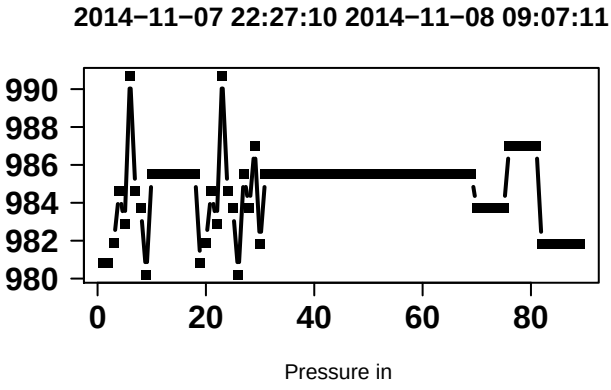

2014−11−06 16:52:48 2014−11−07 08:52:49
995
990
985
980
0
20
40
60
80
100
Pressure in

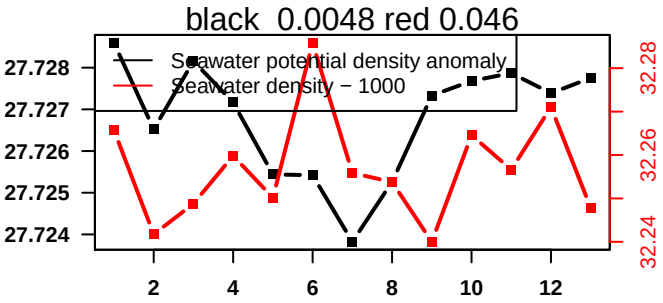

black 0.0068 red 0.08
27.731
27.730
27.729
27.728
27.727
27.726
27.725
Seawater potential density anomaly
Seawater density − 1000
32.32
32.28
32.24
5
10
15

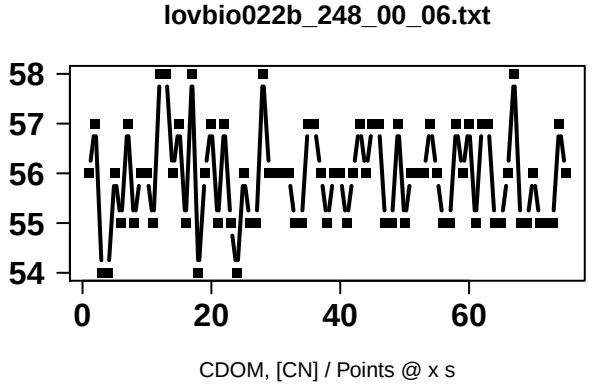

lovbio022b_247_00_06.txt
59
58
57
56
55
54
0
20
40
60
80
100
CDOM, [CN] / Points @ x s

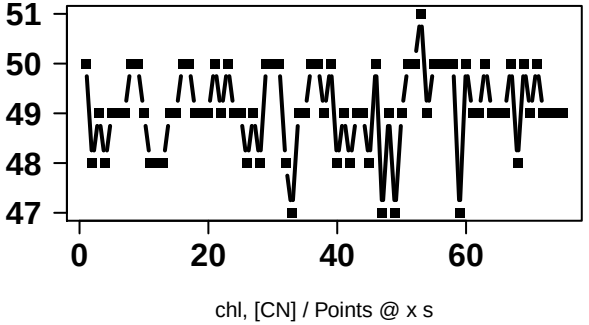

51
50
49
48
47
0
20
40
60
80
100
chl, [CN] / Points @ x s

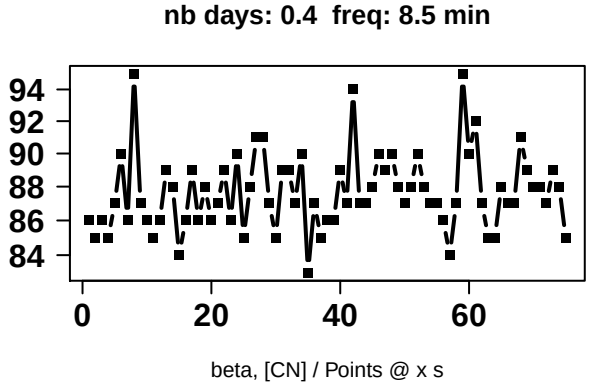

nb days: 0.7 freq: 8.8 min
140
130
120
110
100
90
0
20
40
60
80
100
beta, [CN] / Points @ x s

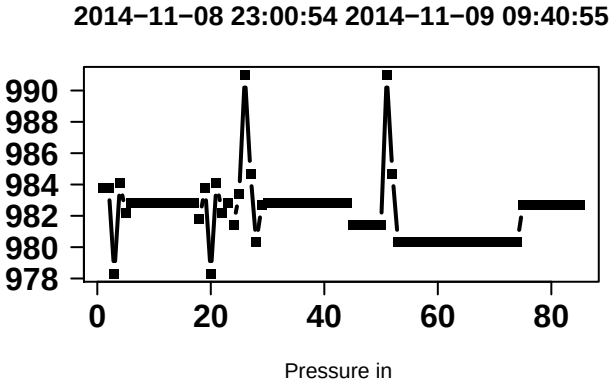

2014−11−07 22:27:10 2014−11−08 09:07:11
990
988
986
984
982
980
0
20
40
60
80
Pressure in

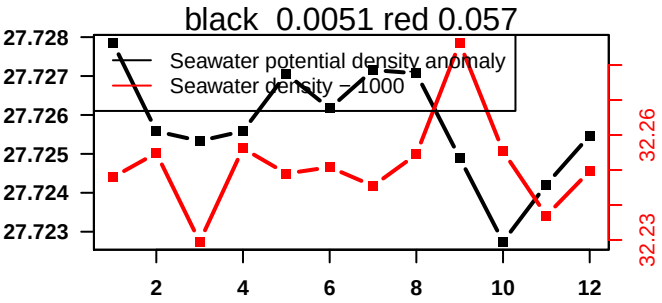

black 0.0048 red 0.046
Seawater potential density anomaly
Seawater density − 1000
27.728
27.727
27.726
27.725
27.724
32.28
32.26
32.24
2
4
6
8
10
12

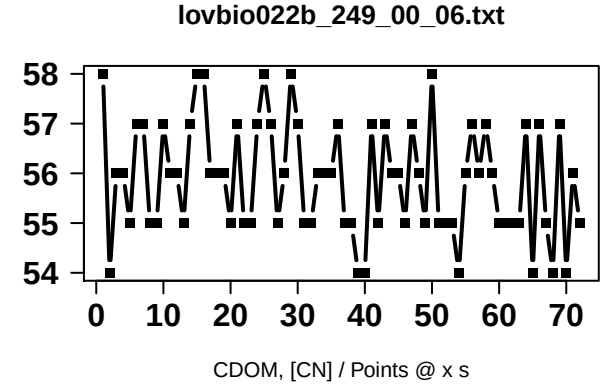

lovbio022b_248_00_06.txt
58
57
56
55
54
0
20
40
60
CDOM, [CN] / Points @ x s

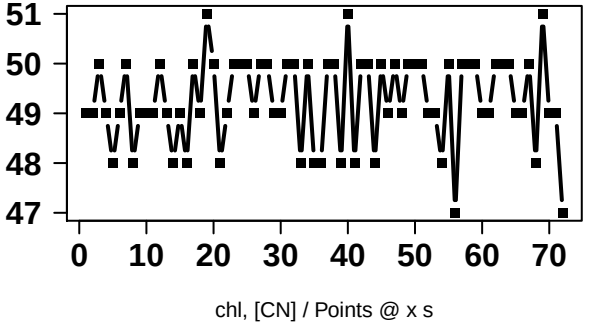

51
50
49
48
47
0
20
40
60
chl, [CN] / Points @ x s

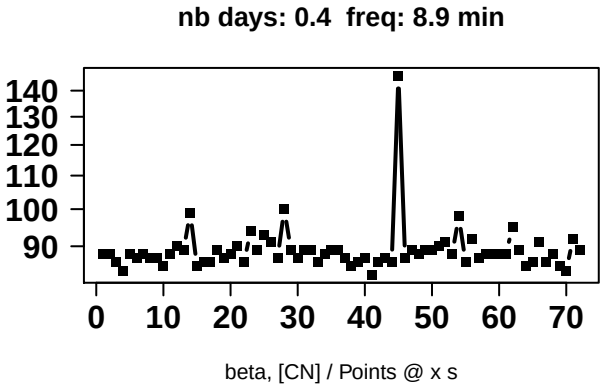

nb days: 0.4 freq: 8.5 min
94
92
90
88
86
84
0
20
40
60
beta, [CN] / Points @ x s

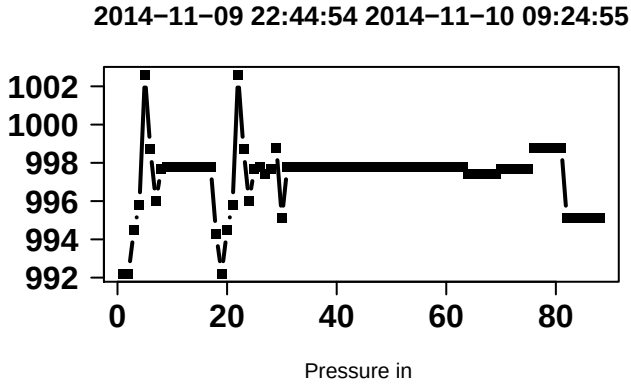

2014−11−08 23:00:54 2014−11−09 09:40:55
990
988
986
984
982
980
978
0
20
40
60
80
Pressure in

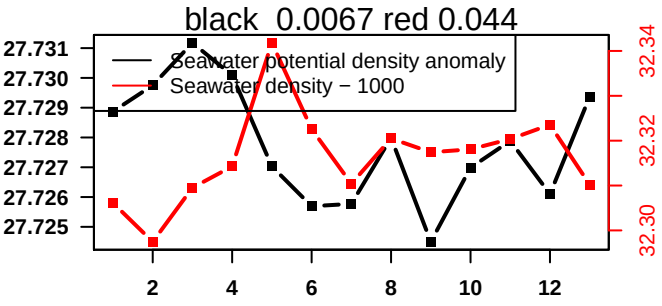

black 0.0051 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.728
27.727
27.726
27.725
27.724
27.723
32.26
32.23
2
4
6
8
10
12

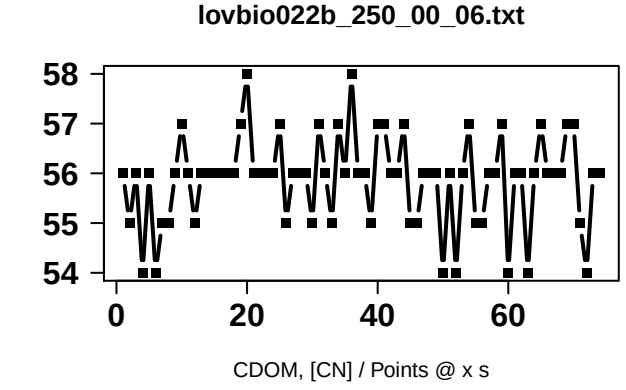

lovbio022b_249_00_06.txt
58
57
56
55
54
0
10
20
30
40
50
60
70
CDOM, [CN] / Points @ x s

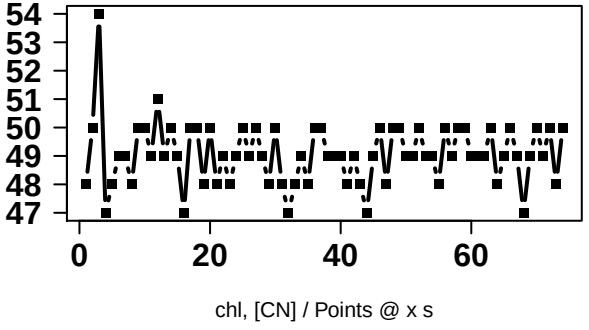

51
50
49
48
47
0
10
20
30
40
50
60
70
chl, [CN] / Points @ x s

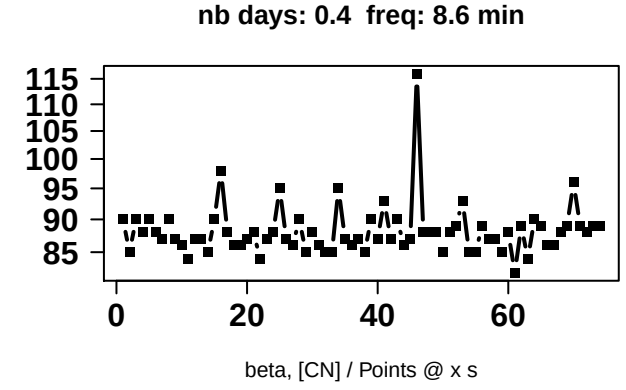

nb days: 0.4 freq: 8.9 min
140
130
120
110
100
90
0
10
20
30
40
50
60
70
beta, [CN] / Points @ x s

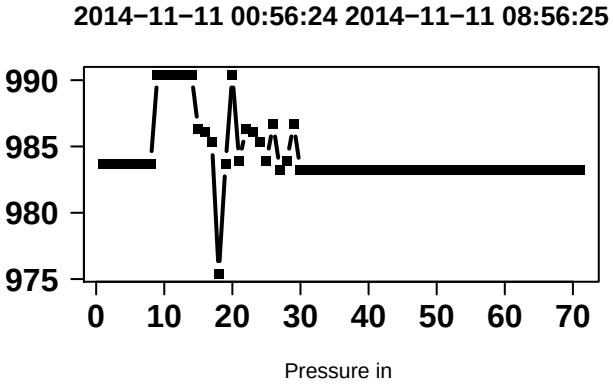

2014−11−09 22:44:54 2014−11−10 09:24:55
1002
1000
998
996
994
992
0
20
40
60
80
Pressure in

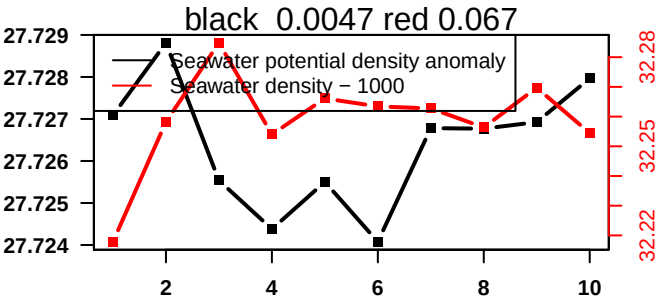

black 0.0067 red 0.044
Seawater potential density anomaly
Seawater density − 1000
27.731
27.730
27.729
27.728
27.727
27.726
27.725
32.34
32.32
32.30
2
4
6
8
10
12

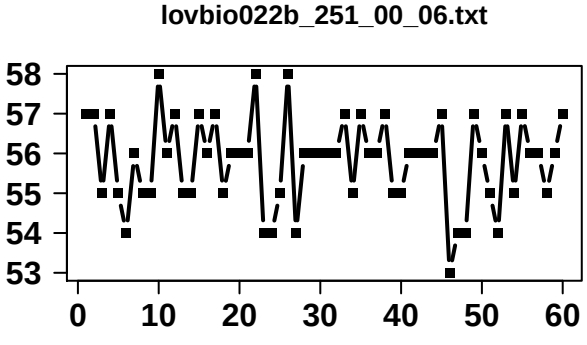

lovbio022b_250_00_06.txt
58
57
56
55
54
0
20
40
60
CDOM, [CN] / Points @ x s

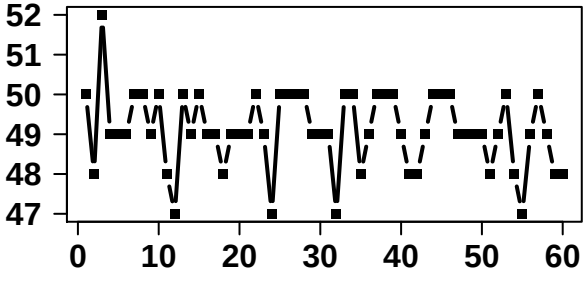

54
53
52
51
50
49
48
47
0
20
40
60
chl, [CN] / Points @ x s

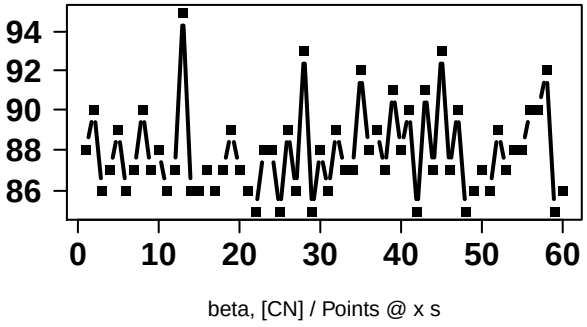

nb days: 0.4 freq: 8.6 min
115
110
105
100
95
90
85
0
20
40
60
beta, [CN] / Points @ x s

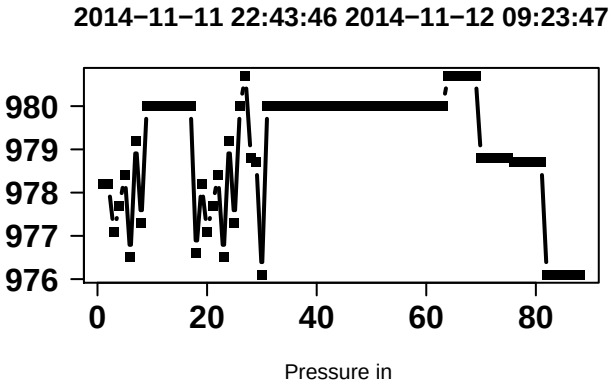

2014−11−11 00:56:24 2014−11−11 08:56:25
990
985
980
975
0
10
20
30
40
50
60
70
Pressure in

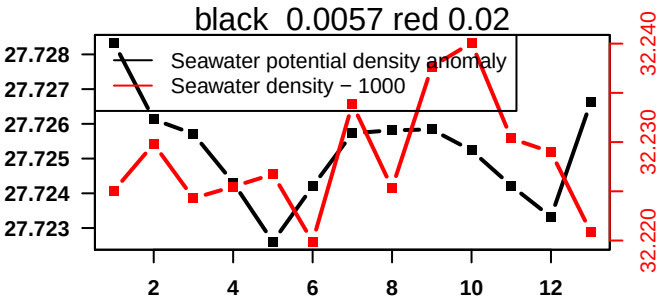

black 0.0047 red 0.067
Seawater potential density anomaly
Seawater density − 1000
27.729
27.728
27.727
27.726
27.725
27.724
32.28
32.25
32.22
2
4
6
8
10

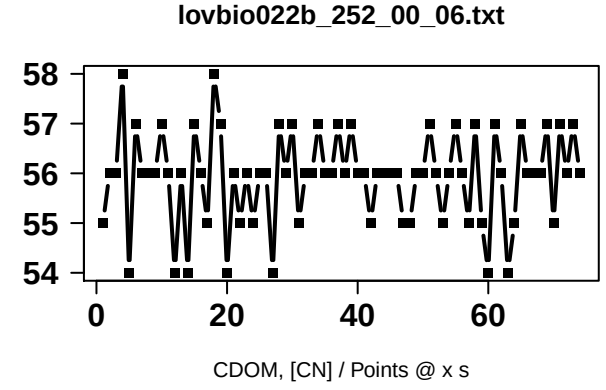

lovbio022b_251_00_06.txt
58
57
56
55
54
53
0
10
20
30
40
50
60
CDOM, [CN] / Points @ x s

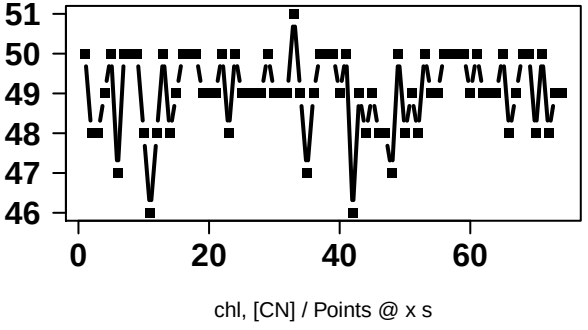

52
51
50
49
48
47
0
10
20
30
40
50
60
chl, [CN] / Points @ x s

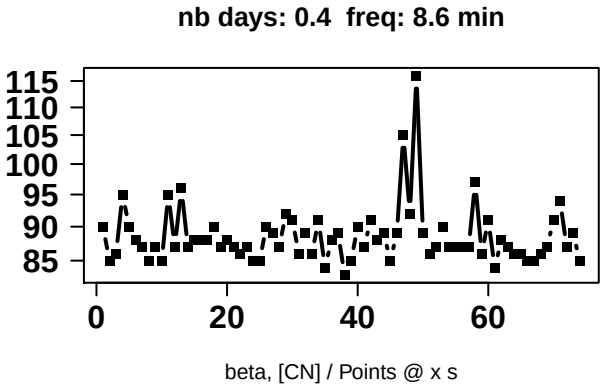

nb days: 0.3 freq: 8 min
94
92
90
88
86
0
10
20
30
40
50
60
beta, [CN] / Points @ x s

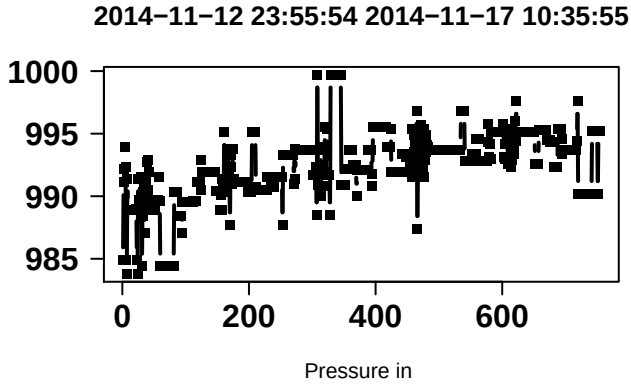

2014−11−11 22:43:46 2014−11−12 09:23:47
980
979
978
977
976
0
20
40
60
80
Pressure in

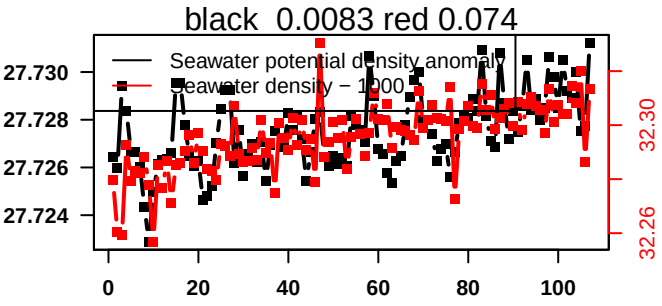

black 0.0057 red 0.02
Seawater potential density anomaly
Seawater density − 1000
27.728
27.727
27.726
27.725
27.724
27.723
32.240
32.230
32.220
2
4
6
8
10
12

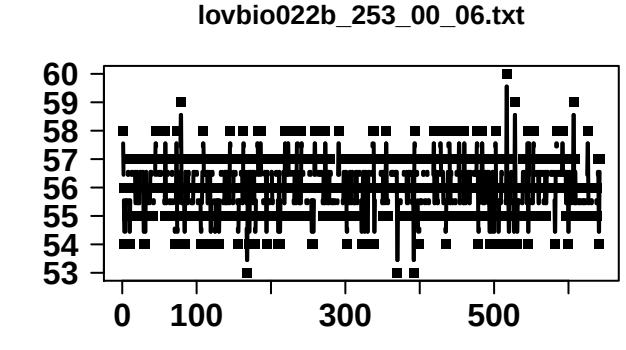

lovbio022b_252_00_06.txt
58
57
56
55
54
0
20
40
60
CDOM, [CN] / Points @ x s

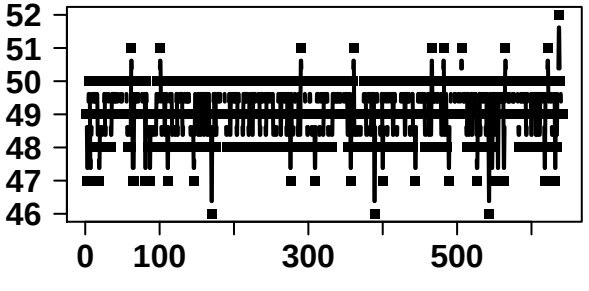

51
50
49
48
47
46
0
20
40
60
chl, [CN] / Points @ x s

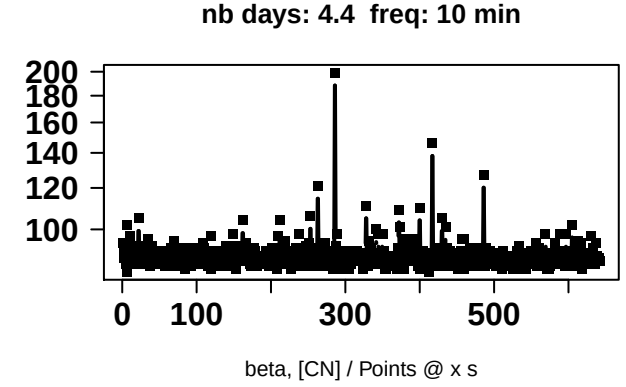

nb days: 0.4 freq: 8.6 min
115
110
105
100
95
90
85
0
20
40
60
beta, [CN] / Points @ x s

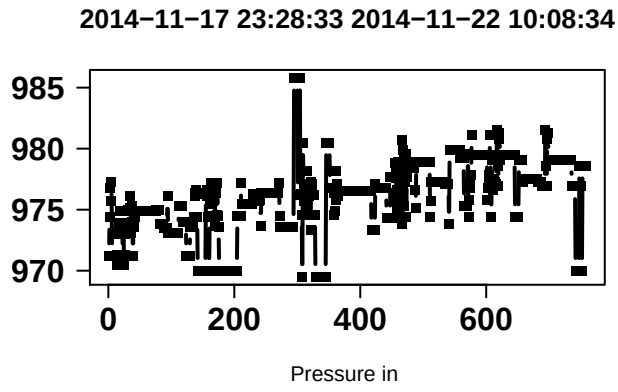

2014−11−12 23:55:54 2014−11−17 10:35:55
1000
995
990
985
0
200
400
600
Pressure in

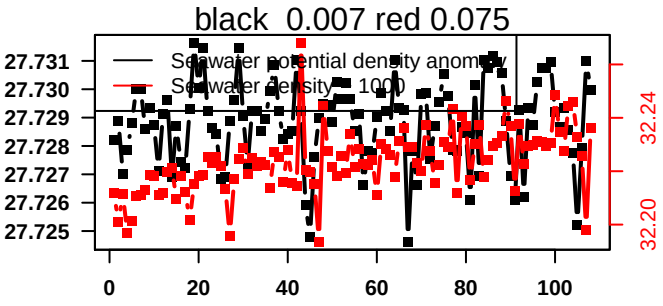

black 0.0083 red 0.074
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
32.30
32.26
0
20
40
60
80
100

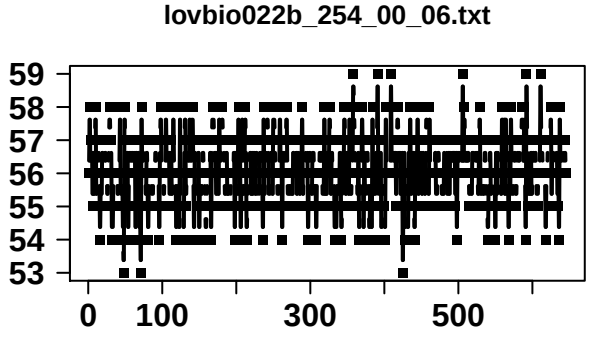

lovbio022b_253_00_06.txt
60
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

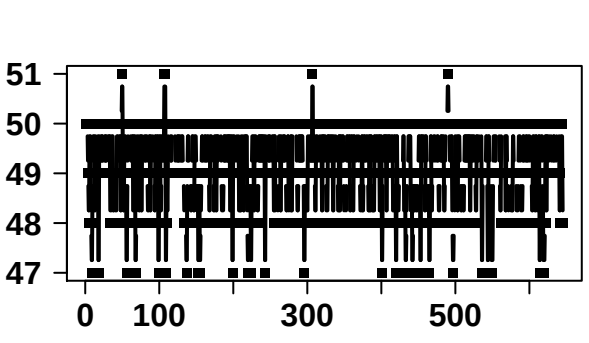

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

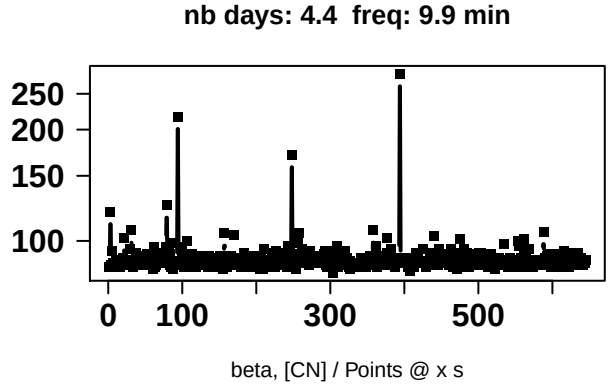

nb days: 4.4 freq: 10 min
200
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

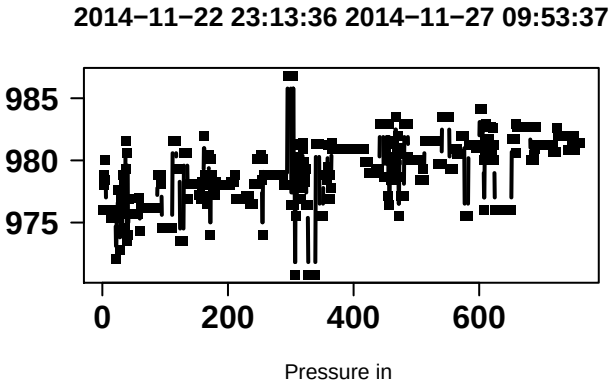

2014−11−17 23:28:33 2014−11−22 10:08:34
985
980
975
970
0
200
400
600
Pressure in

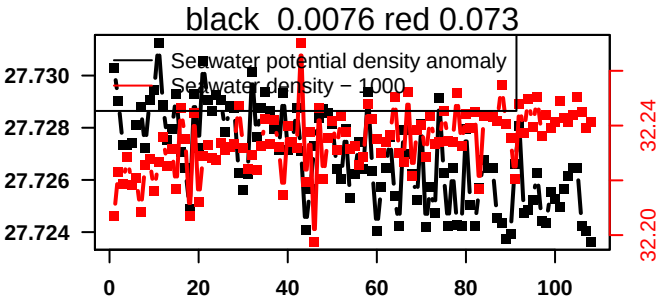

black 0.007 red 0.075
Seawater potential density anomaly
Seawater density − 1000
27.731
27.730
27.729
27.728
27.727
27.726
27.725
32.24
32.20
0
20
40
60
80
100

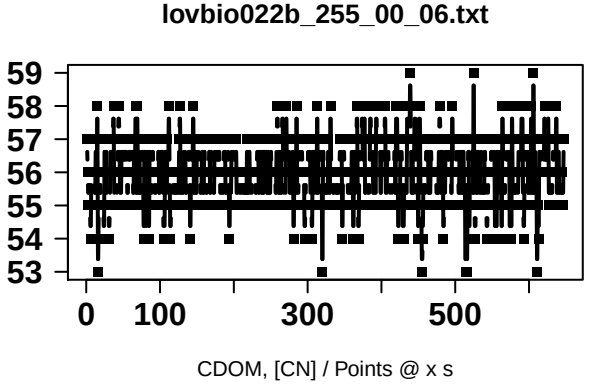

lovbio022b_254_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

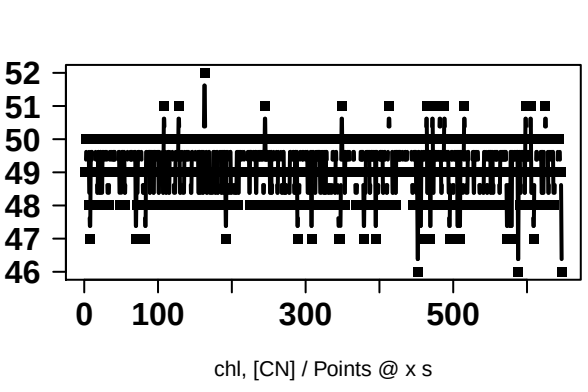

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

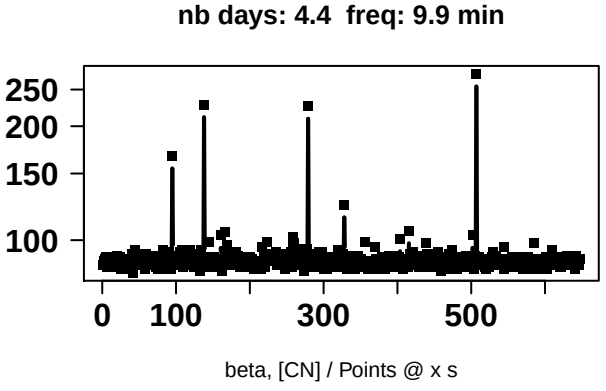

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

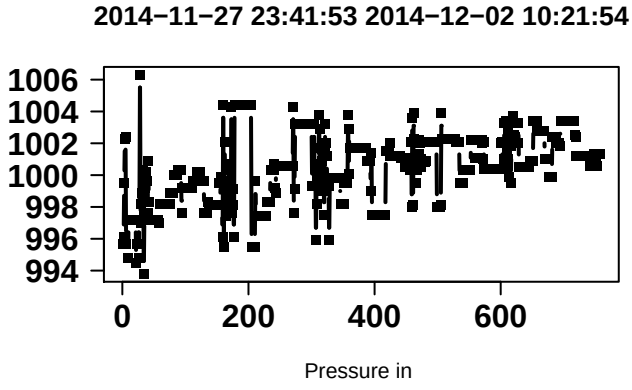

2014−11−22 23:13:36 2014−11−27 09:53:37
985
980
975
0
200
400
600
Pressure in

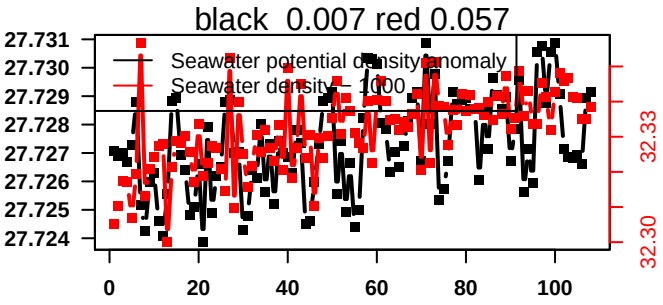

black 0.0076 red 0.073
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
32.24
32.20
0
20
40
60
80
100

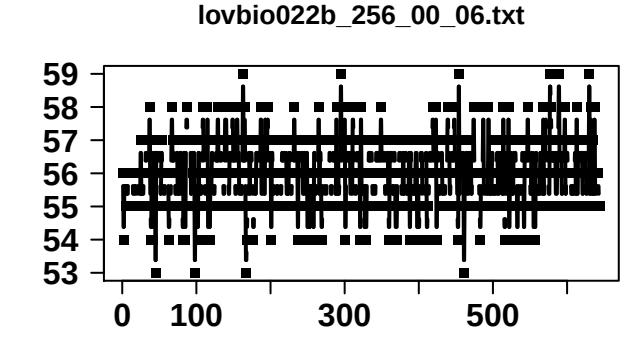

lovbio022b_255_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

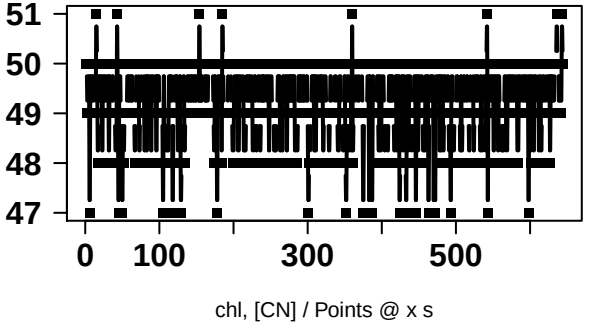

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

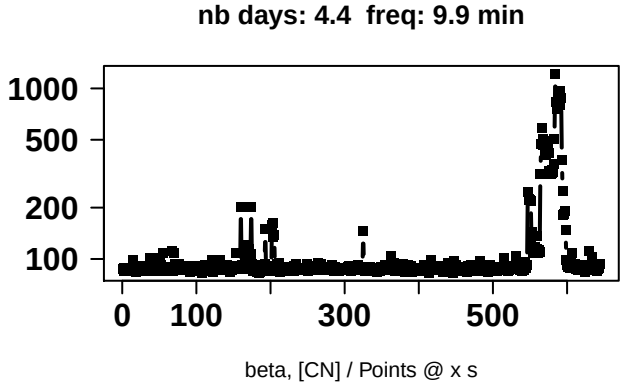

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

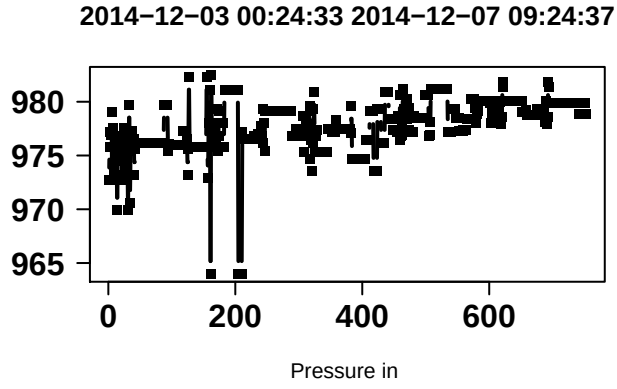

2014−11−27 23:41:53 2014−12−02 10:21:54
1006
1004
1002
1000
998
996
994
0
200
400
600
Pressure in

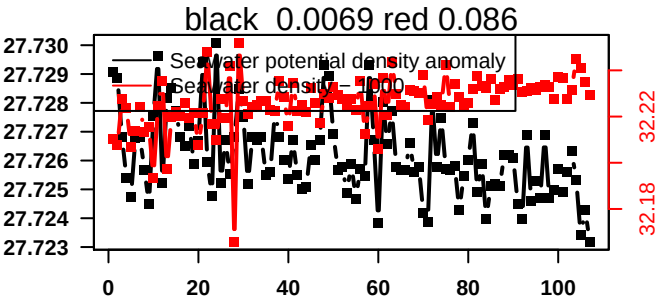

black 0.007 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.731
27.730
27.729
27.728
27.727
27.726
27.725
27.724
32.33
32.30
0
20
40
60
80
100

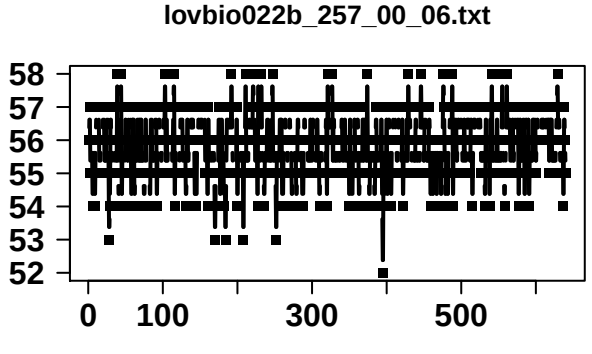

lovbio022b_256_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

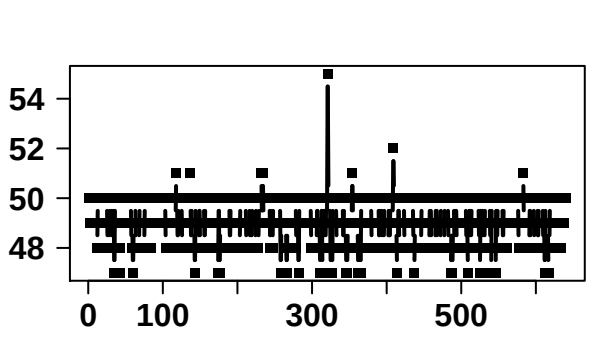

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

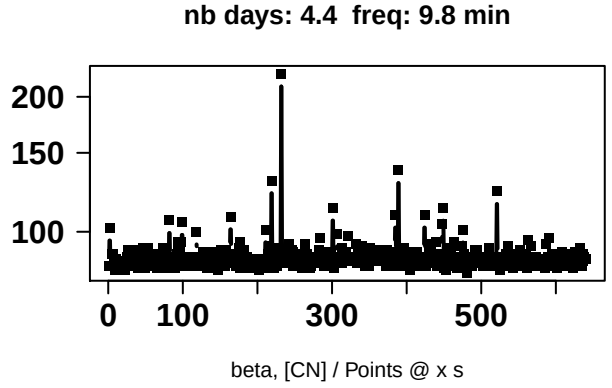

nb days: 4.4 freq: 9.9 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

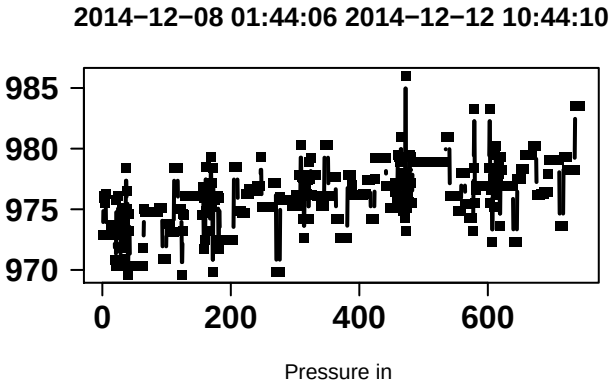

2014−12−03 00:24:33 2014−12−07 09:24:37
980
975
970
965
0
200
400
600
Pressure in

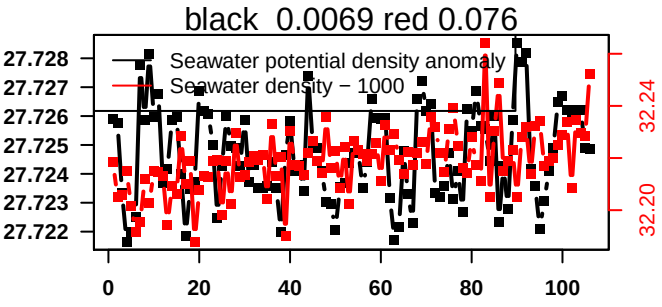

black 0.0069 red 0.086
Seawater potential density anomaly
Seawater density − 1000
27.730
27.729
27.728
27.727
27.726
27.725
27.724
27.723
32.22
32.18
0
20
40
60
80
100

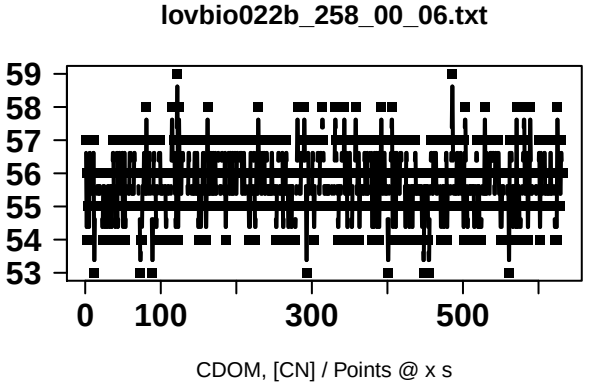

lovbio022b_257_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

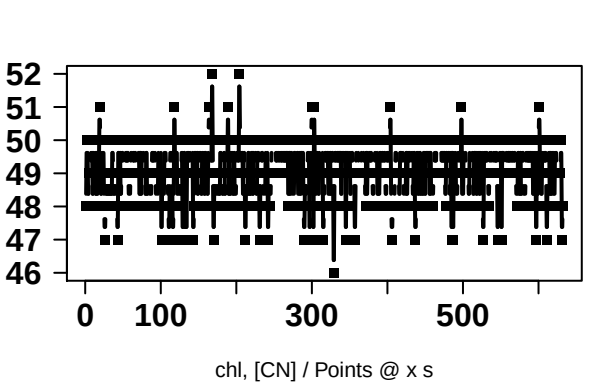

54
52
50
48
0
100
300
500
chl, [CN] / Points @ x s

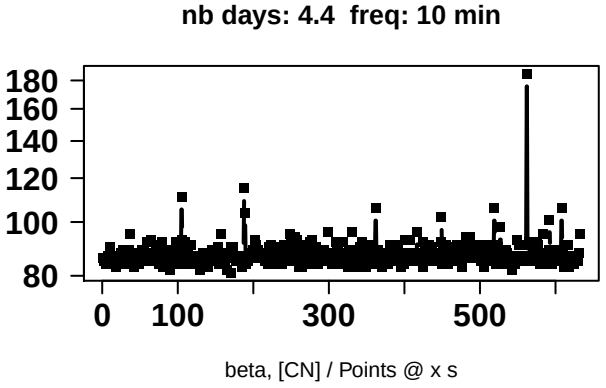

nb days: 4.4 freq: 9.8 min
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

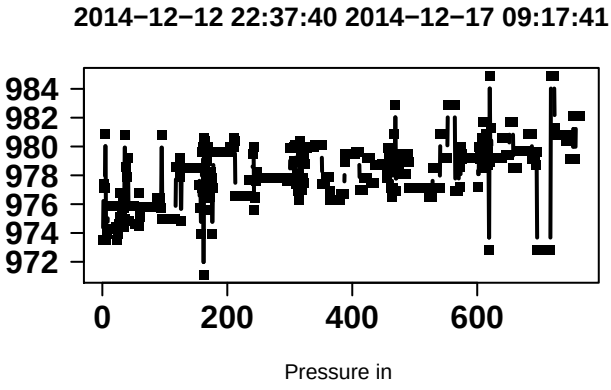

2014−12−08 01:44:06 2014−12−12 10:44:10
985
980
975
970
0
200
400
600
Pressure in

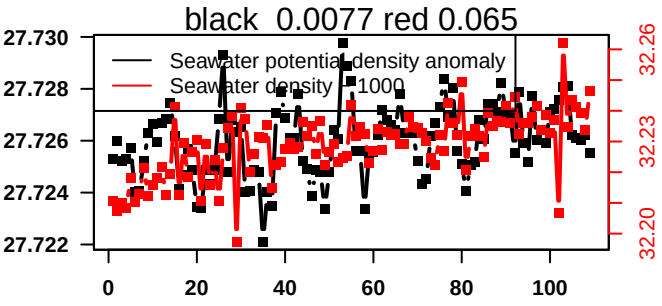

black 0.0069 red 0.076
Seawater potential density anomaly
Seawater density − 1000
27.728
27.727
27.726
27.725
27.724
27.723
27.722
32.24
32.20
0
20
40
60
80
100

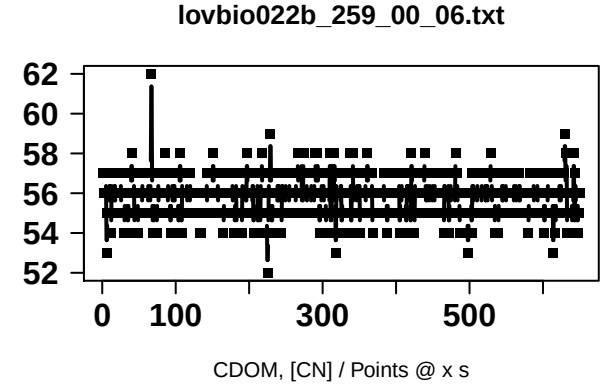

lovbio022b_258_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

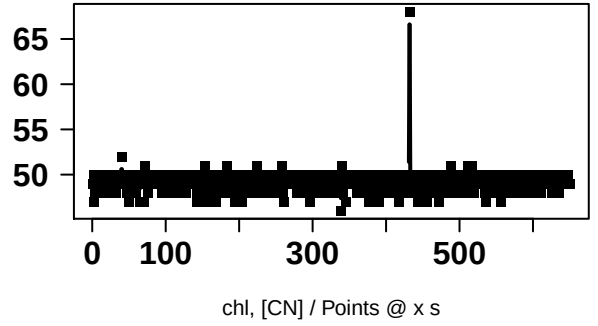

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

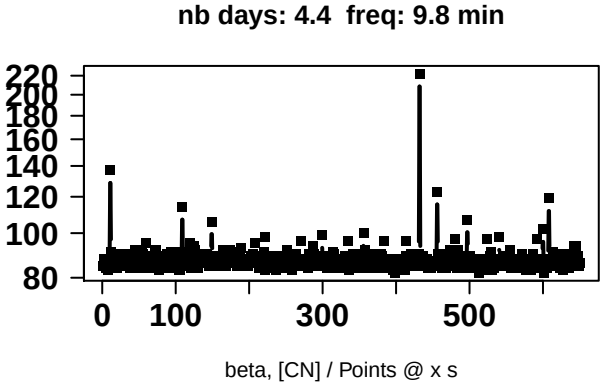

nb days: 4.4 freq: 10 min
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

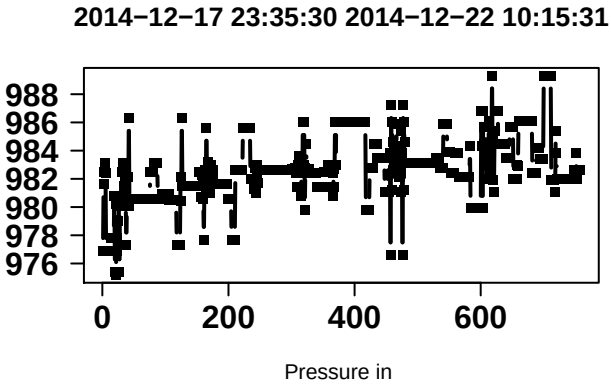

2014−12−12 22:37:40 2014−12−17 09:17:41
984
982
980
978
976
974
972
0
200
400
600
Pressure in

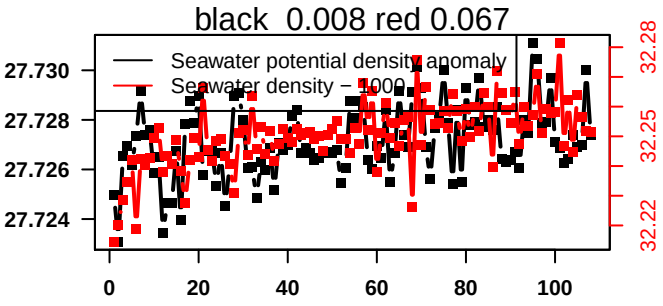

black 0.0077 red 0.065
Seawater potential density anomaly
Seawater density −1000
27.730
27.728
27.726
27.724
27.722
32.26
32.23
32.20
0
20
40
60
80
100

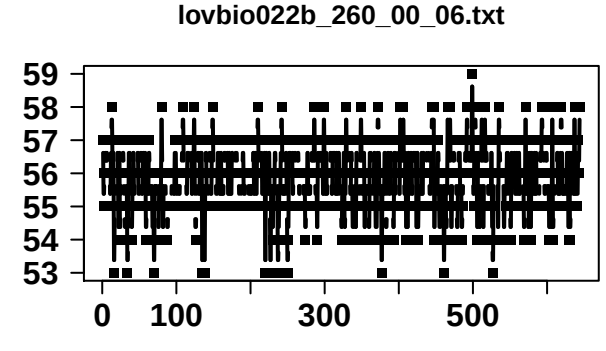

lovbio022b_259_00_06.txt
62
60
58
56
54
52
0
100
300
500
CDOM, [CN] / Points @ x s

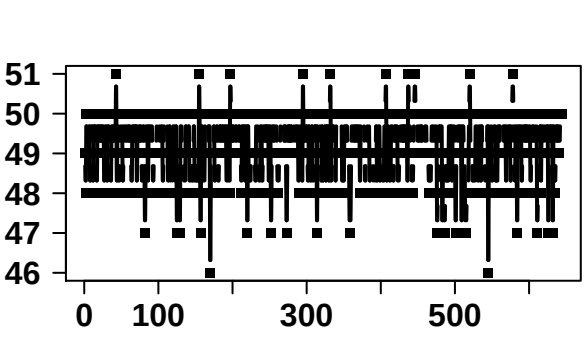

65
60
55
50
0
100
300
500
chl, [CN] / Points @ x s

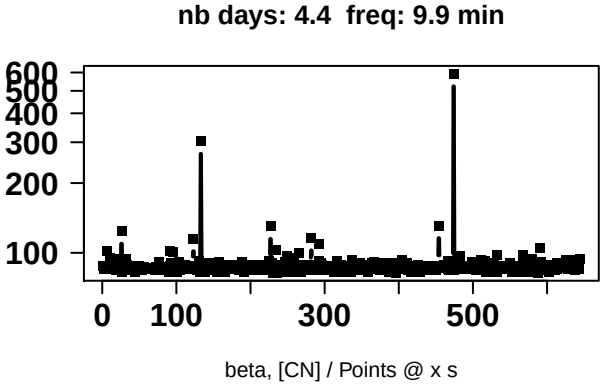

nb days: 4.4 freq: 9.8 min
220
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

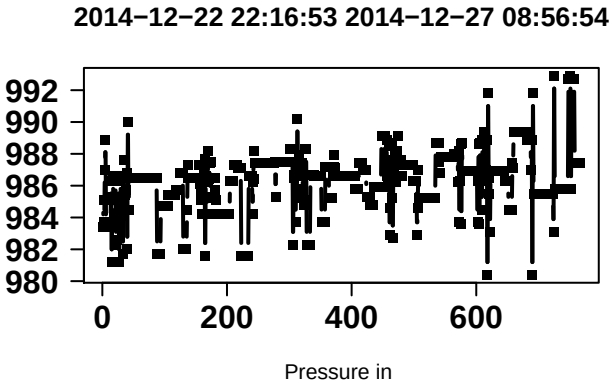

2014−12−17 23:35:30 2014−12−22 10:15:31
988
986
984
982
980
978
976
0
200
400
600
Pressure in

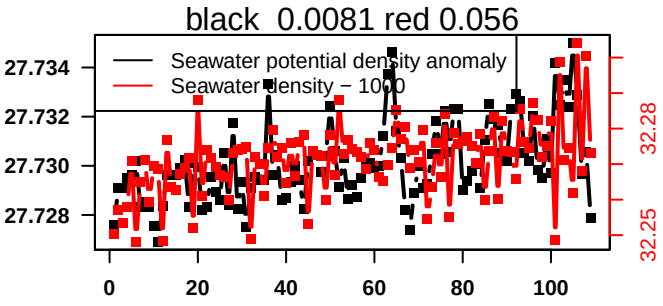

black 0.008 red 0.067
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
32.28
32.25
32.22
0
20
40
60
80
100

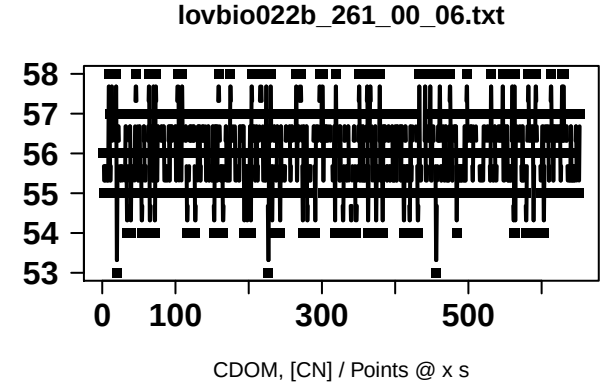

lovbio022b_260_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

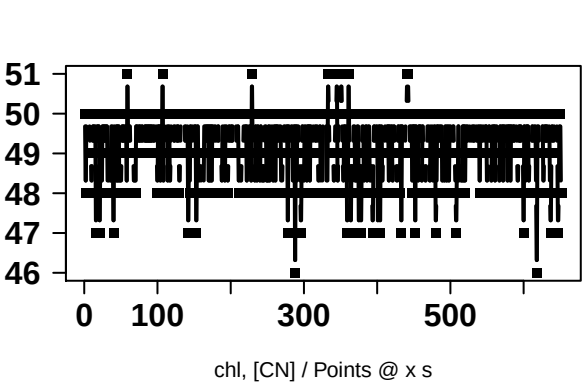

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

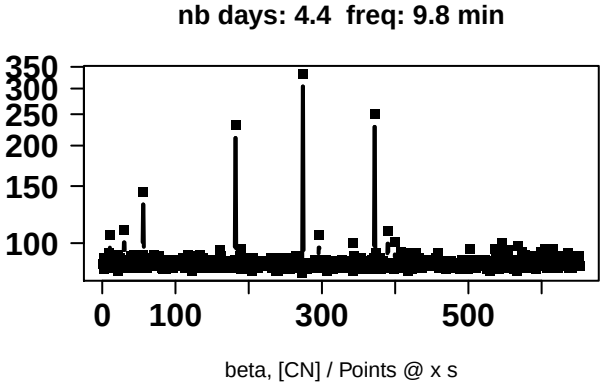

nb days: 4.4 freq: 9.9 min
600
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

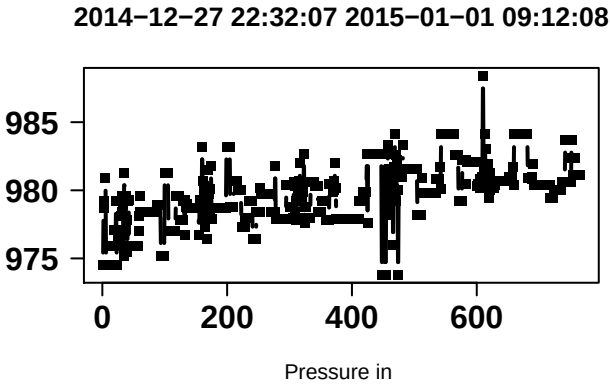

2014−12−22 22:16:53 2014−12−27 08:56:54
992
990
988
986
984
982
980
0
200
400
600
Pressure in

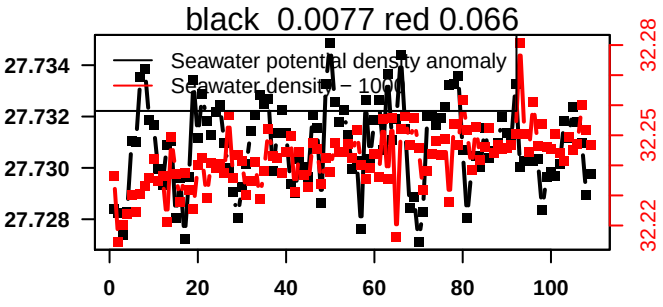

black 0.0081 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.28
32.25
0
20
40
60
80
100

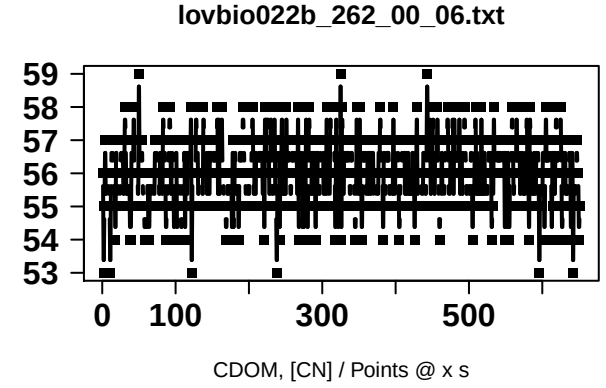

lovbio022b_261_00_06.txt
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

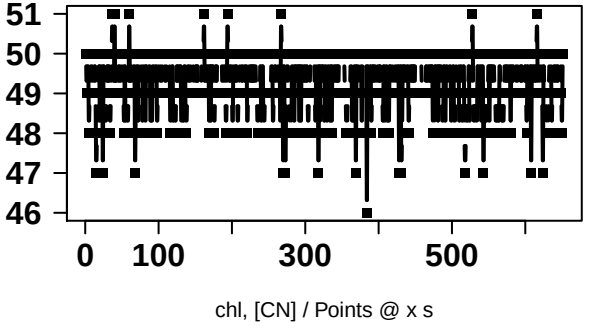

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

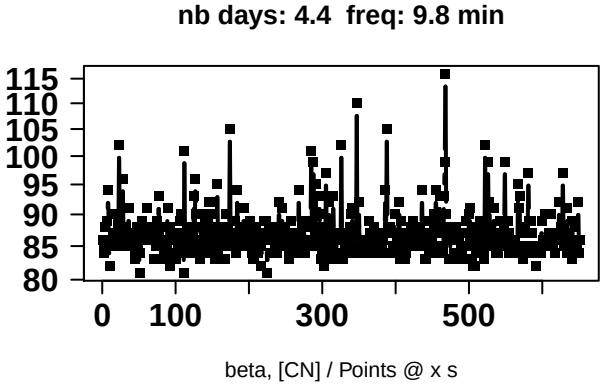

nb days: 4.4 freq: 9.8 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

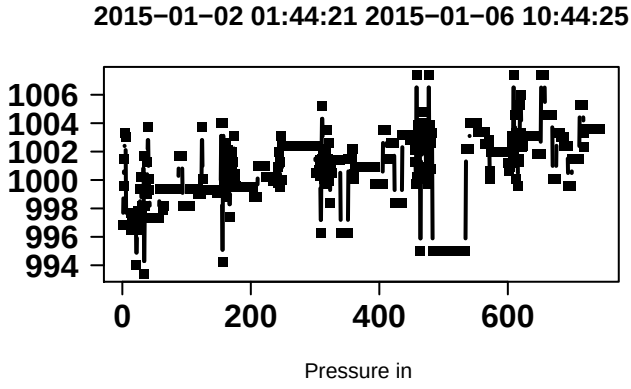

2014−12−27 22:32:07 2015−01−01 09:12:08
985
980
975
0
200
400
600
Pressure in

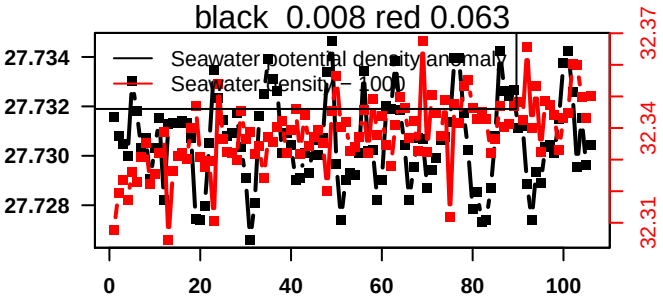

black 0.0077 red 0.066
Seawater potential density anomaly
27.734
27.732
27.730
27.728
32.28
32.25
32.22
0
20
40
60
80
100

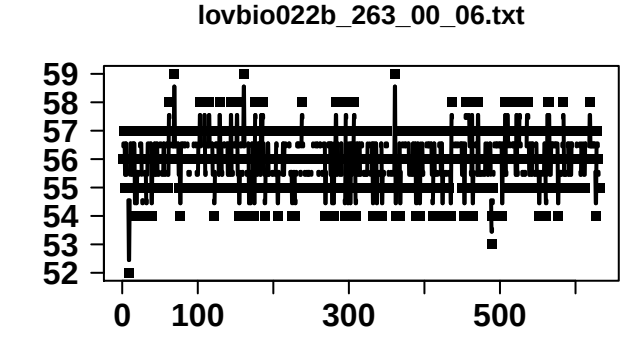

lovbio022b_262_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

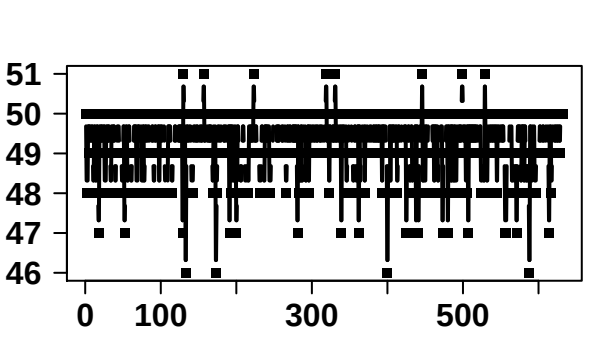

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

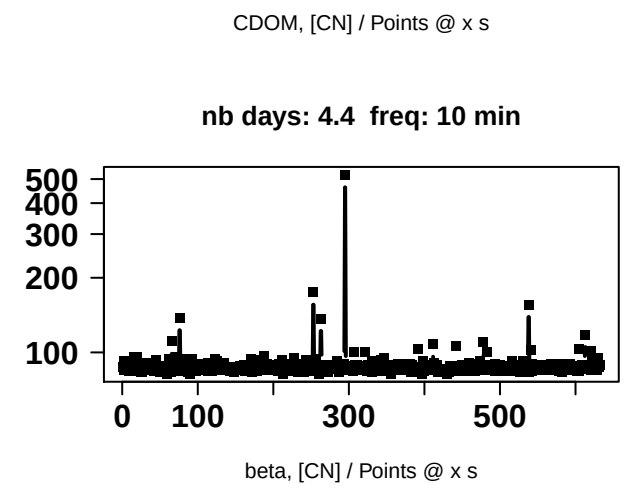

nb days: 4.4 freq: 9.8 min
115
110
105
100
95
90
85
80
0
100
300
500
beta, [CN] / Points @ x s

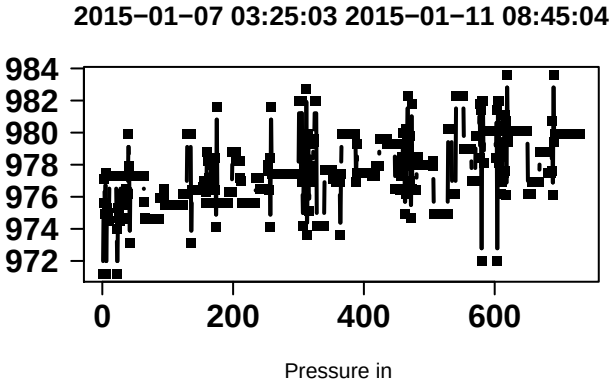

2015−01−02 01:44:21 2015−01−06 10:44:25
1006
1004
1002
1000
998
996
994
0
200
400
600
Pressure in

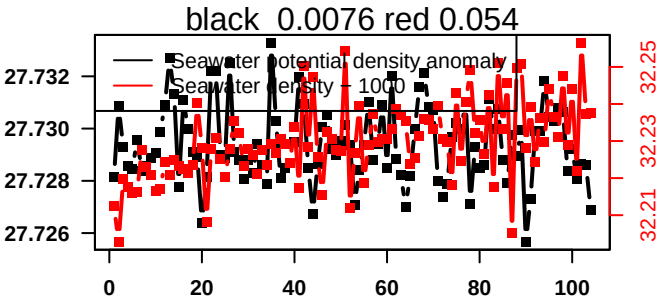

black 0.008 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.37
32.34
32.31
0
20
40
60
80
100

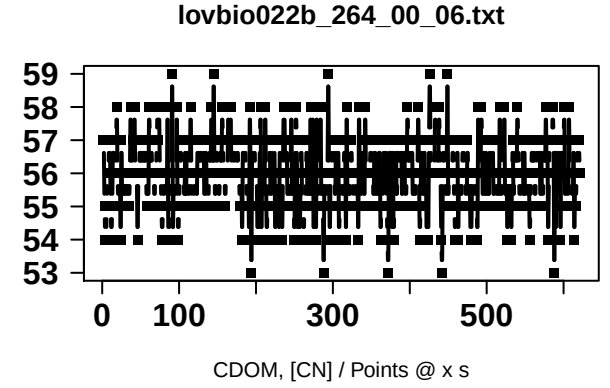

lovbio022b_263_00_06.txt
59
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

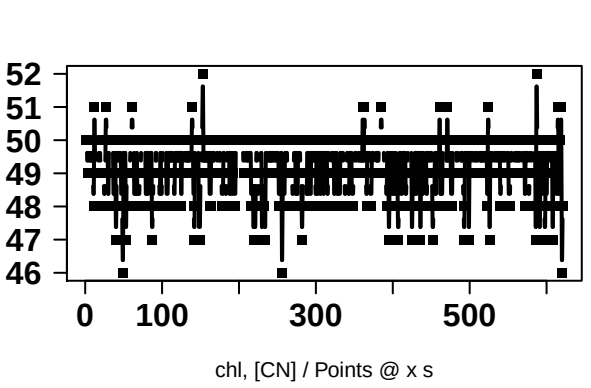

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

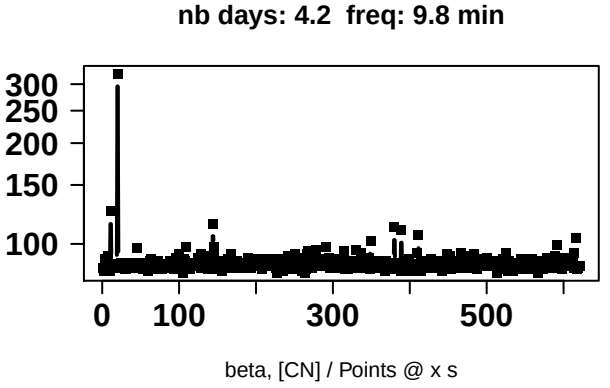

nb days: 4.4 freq: 10 min
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

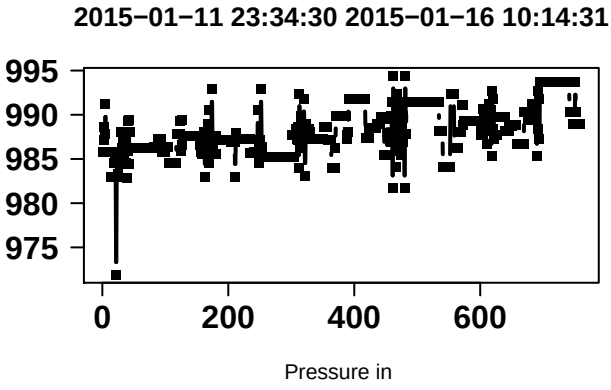

2015−01−07 03:25:03 2015−01−11 08:45:04
984
982
980
978
976
974
972
0
200
400
600
Pressure in

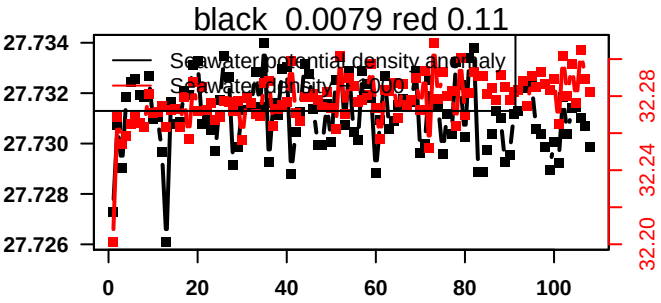

black 0.0076 red 0.054
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.25
32.23
32.21
0
20
40
60
80
100

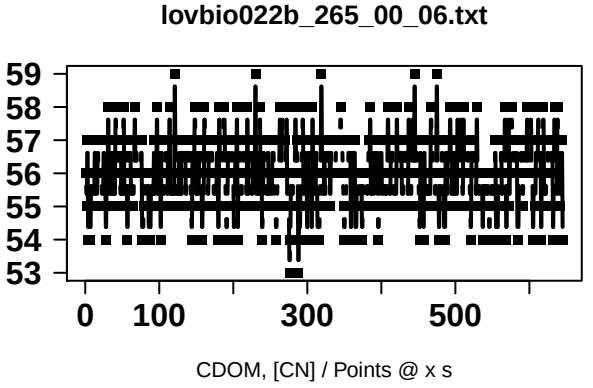

lovbio022b_264_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

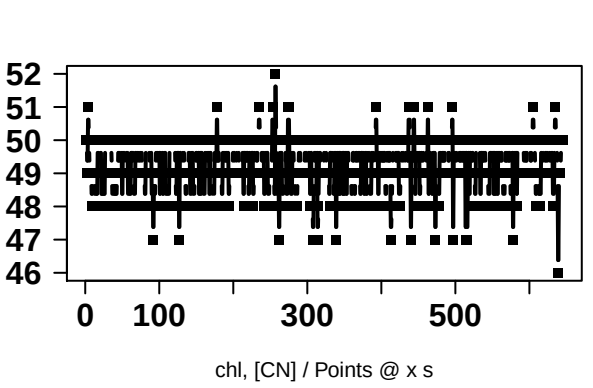

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

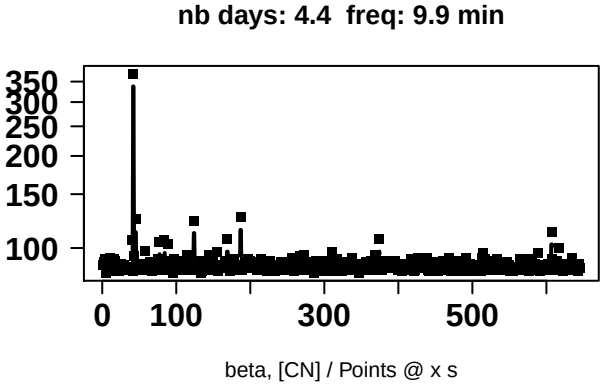

nb days: 4.2 freq: 9.8 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

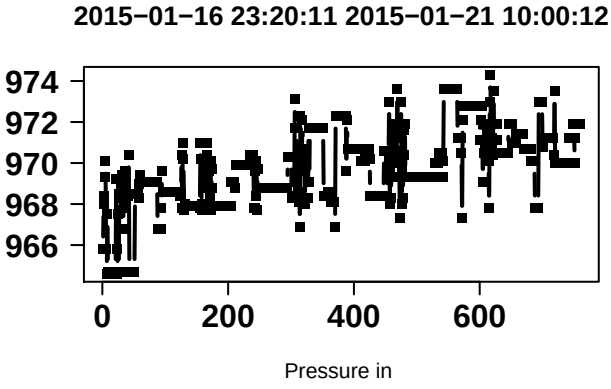

2015−01−11 23:34:30 2015−01−16 10:14:31
995
990
985
980
975
0
200
400
600
Pressure in

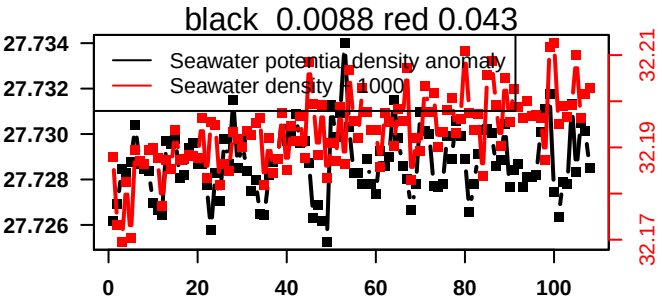

black 0.0079 red 0.11
Seawater potential density anomaly
27.734
27.732
27.730
27.728
27.726
0
20
40
60
80
100
32.20
32.24
32.28

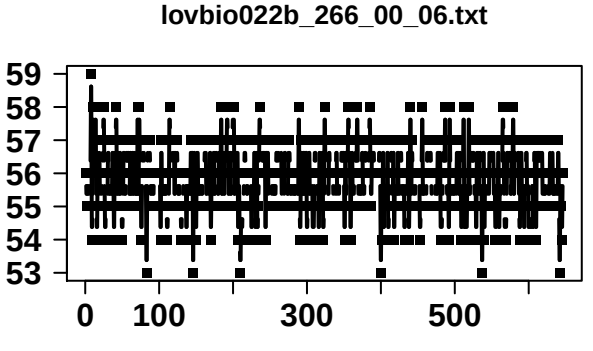

lovbio022b_265_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

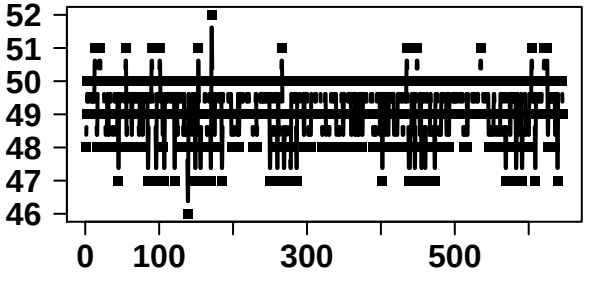

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

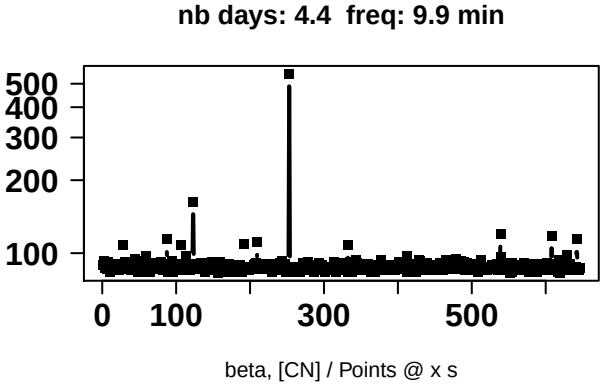

nb days: 4.4 freq: 9.9 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

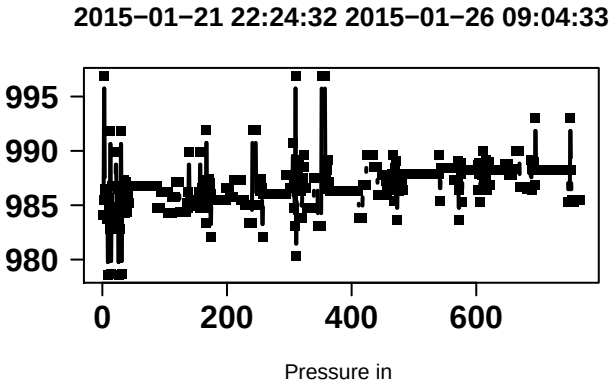

2015−01−16 23:20:11 2015−01−21 10:00:12
974
972
970
968
966
0
200
400
600
Pressure in

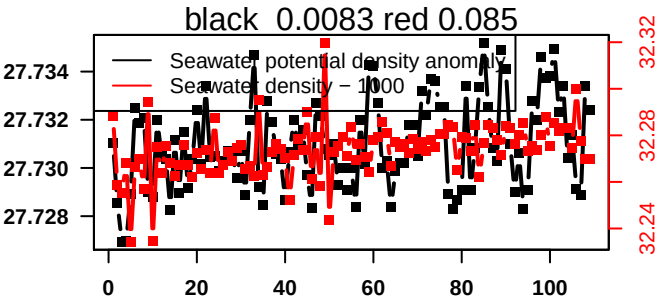

black 0.0088 red 0.043
27.734
27.732
27.730
27.728
27.726
Seawater potential density anomaly
Seawater density − 1000
32.21
32.19
32.17
0
20
40
60
80
100

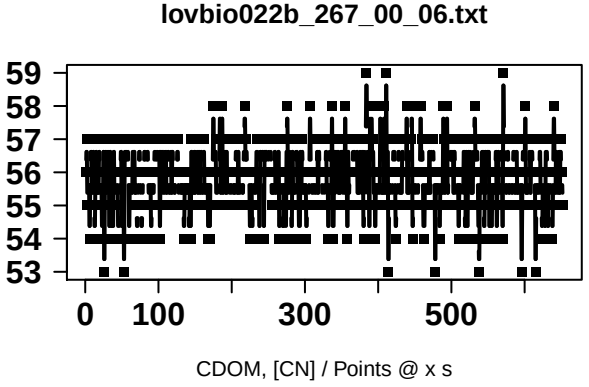

lovbio022b_266_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

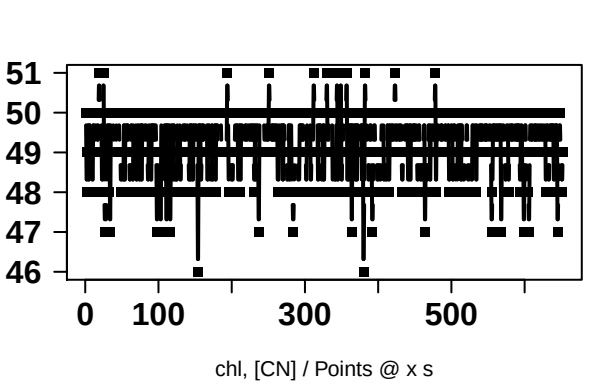

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

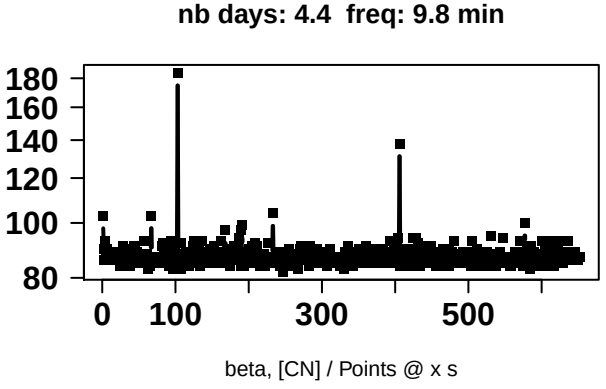

nb days: 4.4 freq: 9.9 min
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

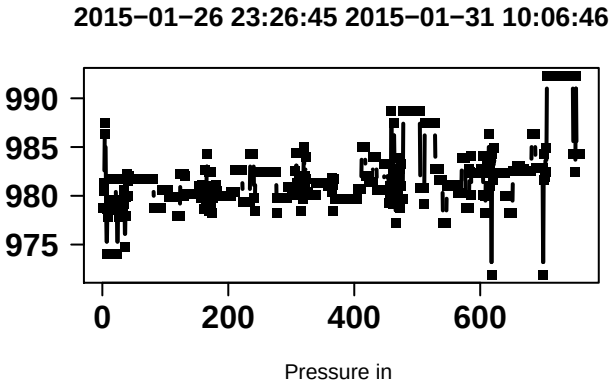

2015−01−21 22:24:32 2015−01−26 09:04:33
995
990
985
980
0
200
400
600
Pressure in

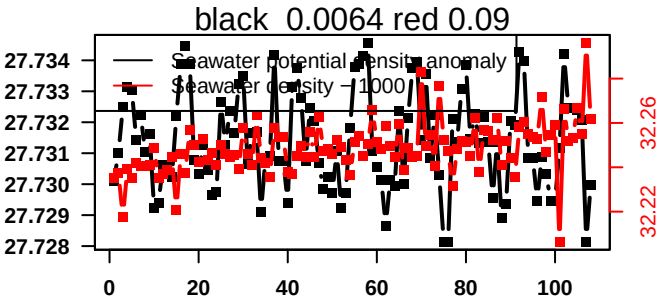

black 0.0083 red 0.085
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.32
32.28
32.24
0
20
40
60
80
100

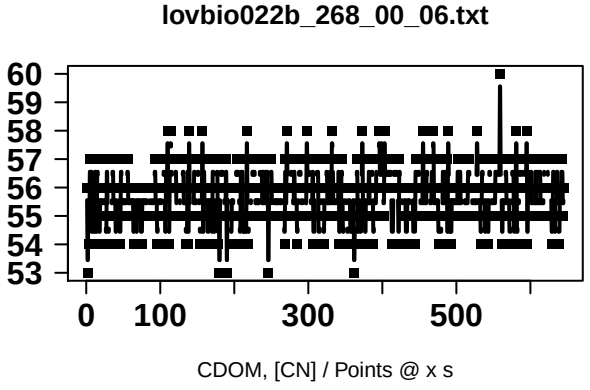

lovbio022b_267_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

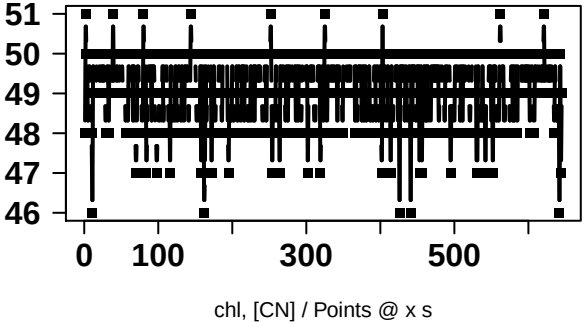

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

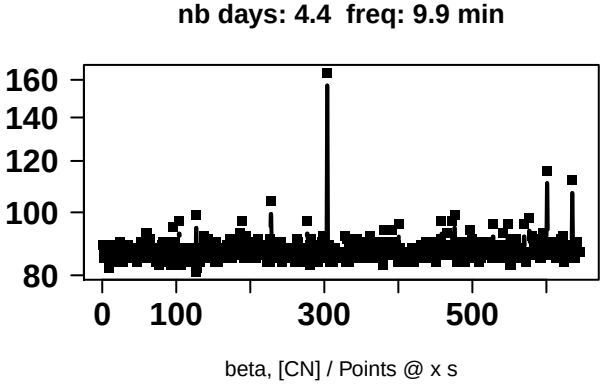

nb days: 4.4 freq: 9.8 min
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

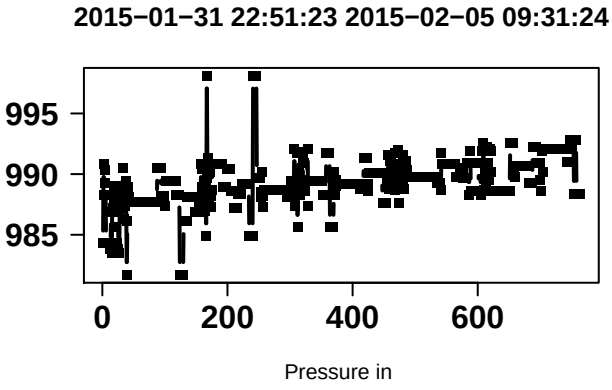

2015−01−26 23:26:45 2015−01−31 10:06:46
990
985
980
975
0
200
400
600
Pressure in

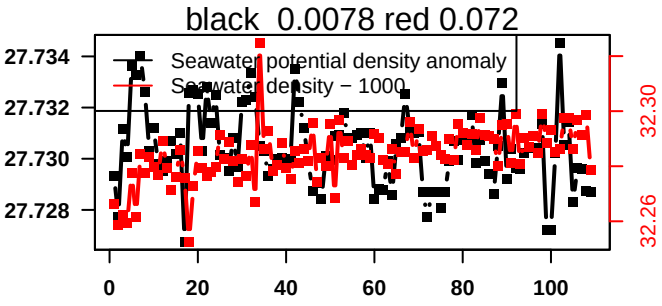

black 0.0064 red 0.09
Seawater potential density anomaly
Seawater density −1000 [
27.734
27.733
27.732
27.731
27.730
27.729
27.728
32.26
32.22
0
20
40
60
80
100

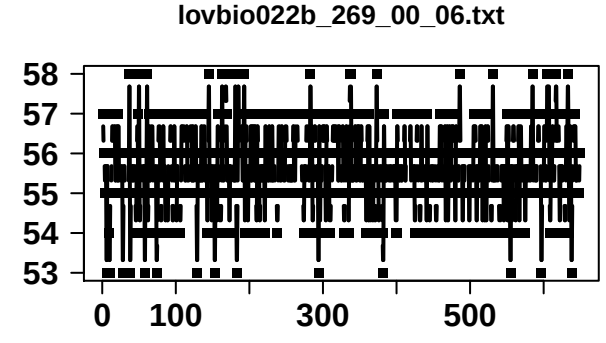

lovbio022b_268_00_06.txt
60
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

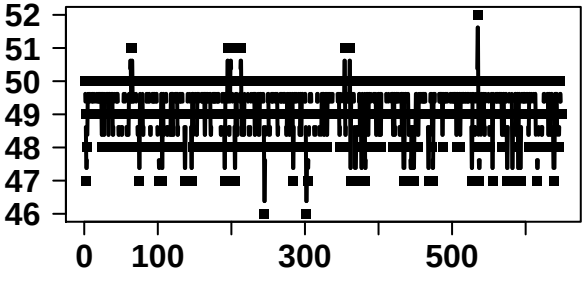

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

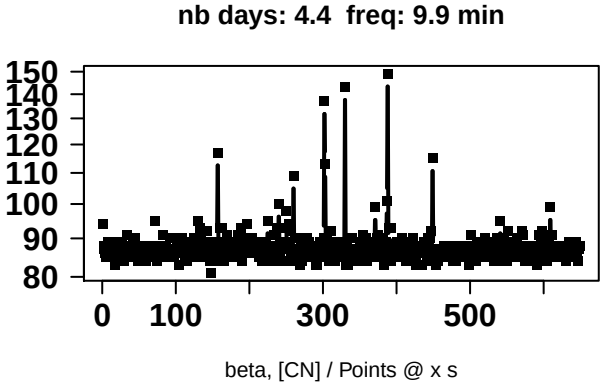

nb days: 4.4 freq: 9.9 min
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

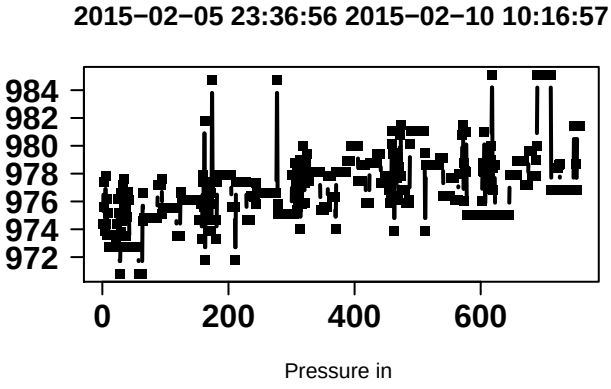

2015−01−31 22:51:23 2015−02−05 09:31:24
995
990
985
0
200
400
600
Pressure in

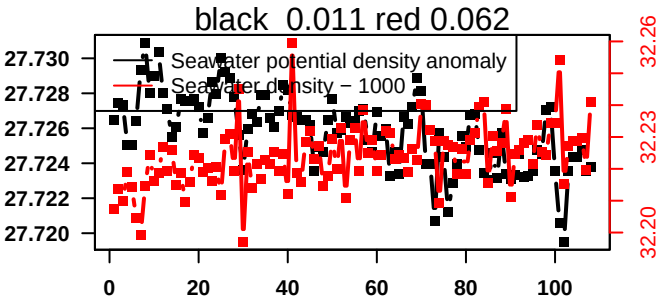

black 0.0078 red 0.072
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.30
32.26
0
20
40
60
80
100

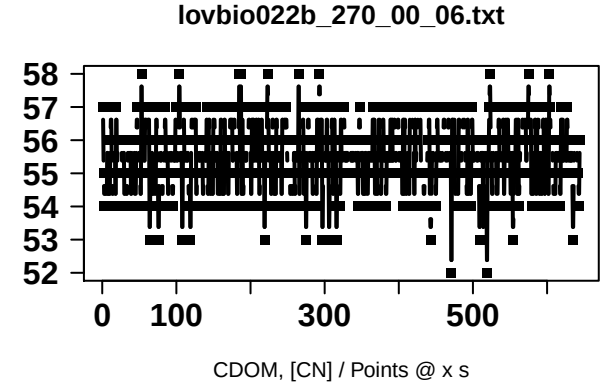

lovbio022b_269_00_06.txt
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

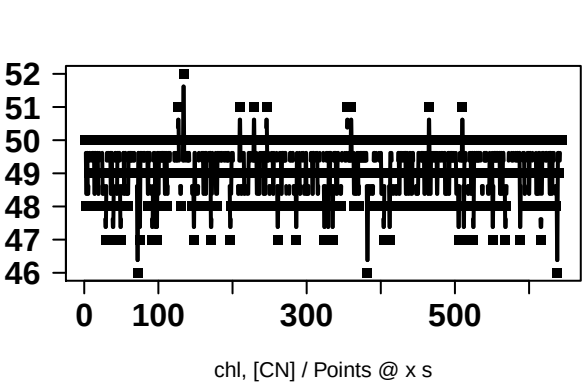

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

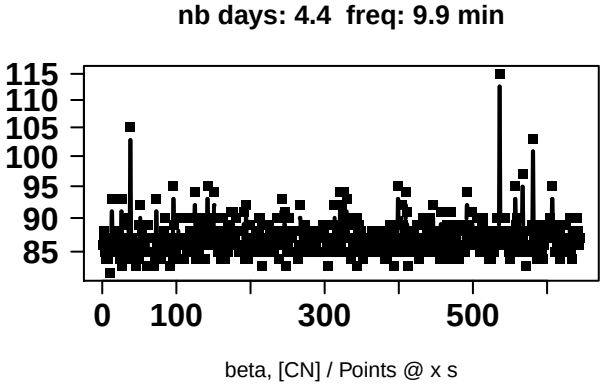

nb days: 4.4 freq: 9.9 min
150
140
130
120
110
100
90
80
0
100
300
500
beta, [CN] / Points @ x s

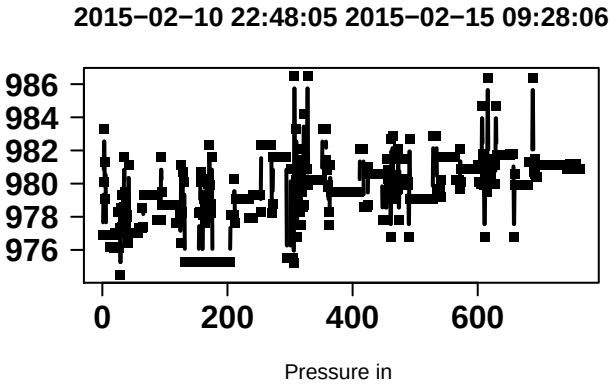

2015−02−05 23:36:56 2015−02−10 10:16:57
984
982
980
978
976
974
972
0
200
400
600
Pressure in

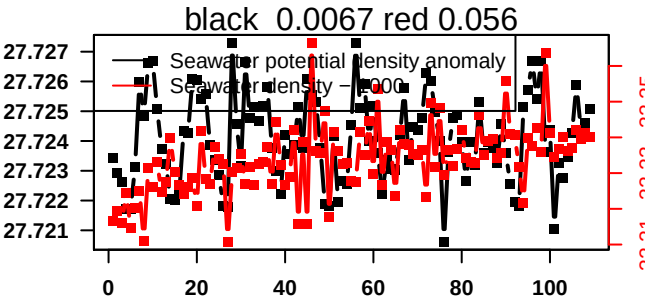

black 0.011 red 0.062
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
27.720
32.26
32.23
32.20
0
20
40
60
80
100

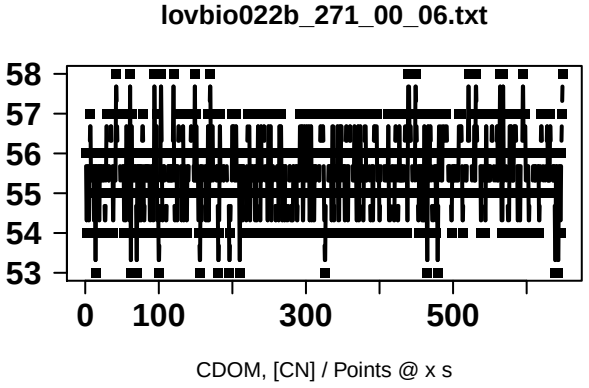

lovbio022b_270_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

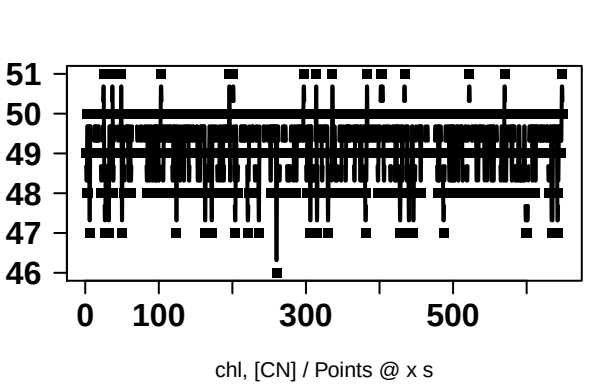

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

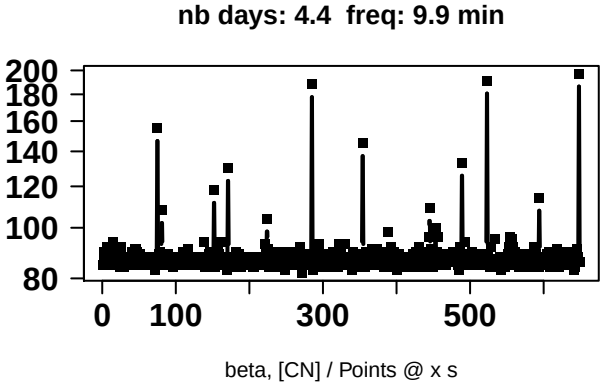

nb days: 4.4 freq: 9.9 min
115
110
105
100
95
90
85
0
100
300
500
beta, [CN] / Points @ x s

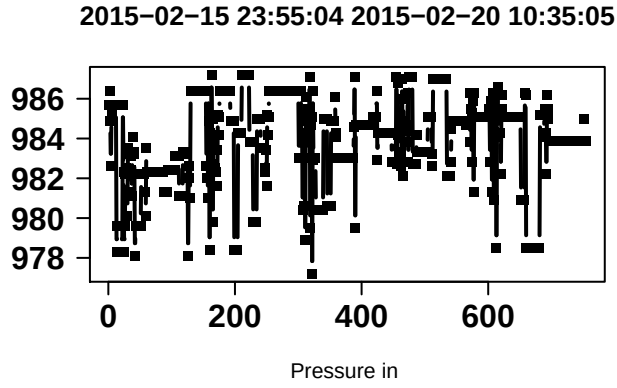

2015−02−10 22:48:05 2015−02−15 09:28:06
986
984
982
980
978
976
0
200
400
600
Pressure in

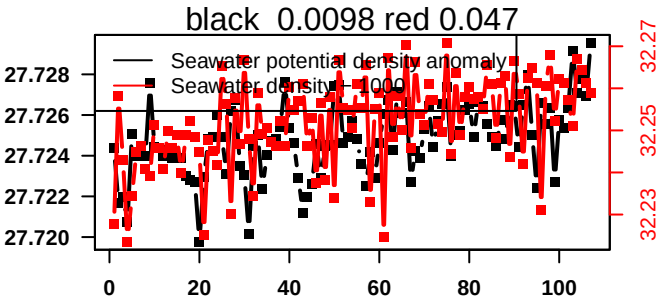

black 0.0067 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.727
27.726
27.725
27.724
27.723
27.722
27.721
32.25
32.23
32.21
0
20
40
60
80
100

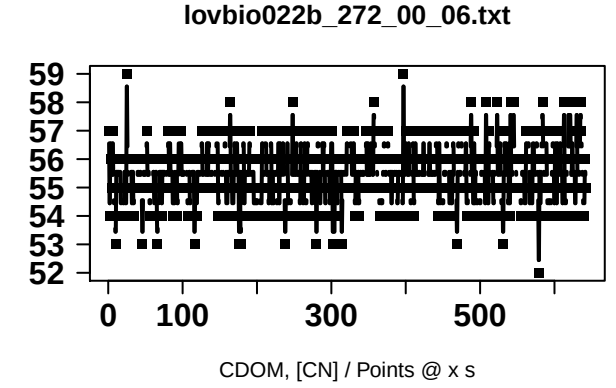

lovbio022b_271_00_06.txt
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

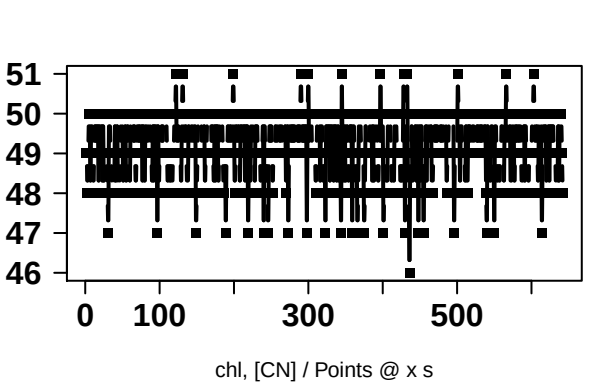

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

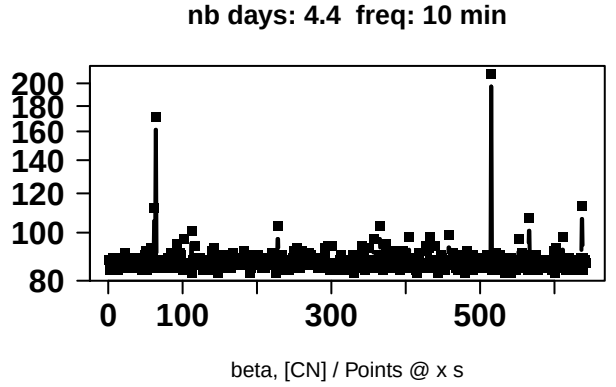

nb days: 4.4 freq: 9.9 min
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

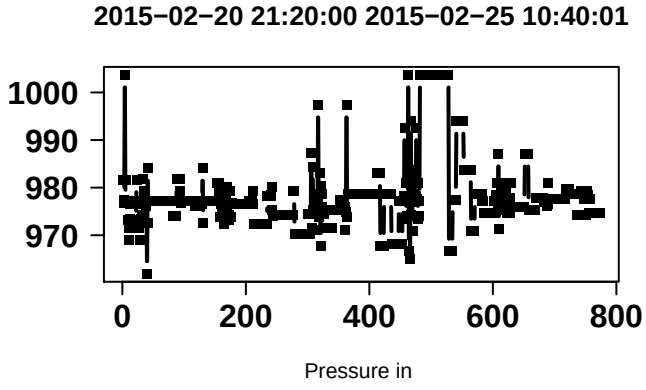

2015−02−15 23:55:04 2015−02−20 10:35:05
986
984
982
980
978
0
200
400
600
Pressure in

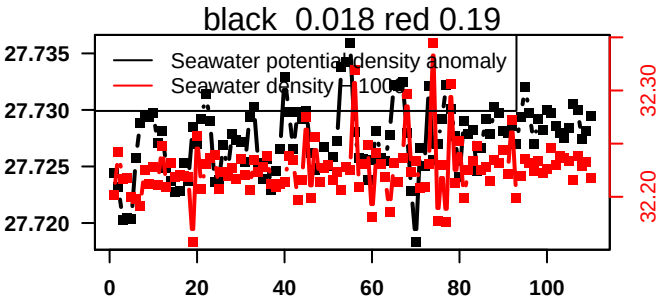

black 0.0098 red 0.047
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
27.720
32.27
32.25
32.23
0
20
40
60
80
100

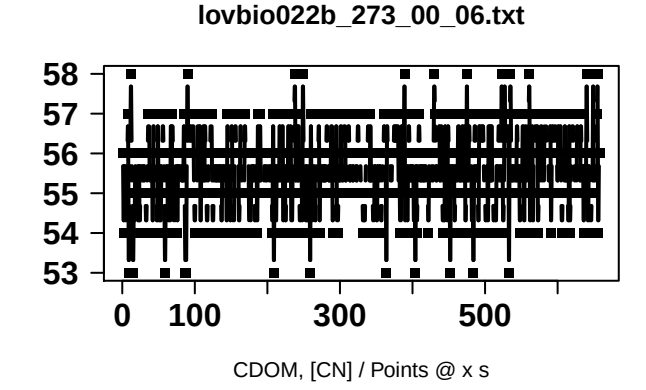

lovbio022b_272_00_06.txt
59
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

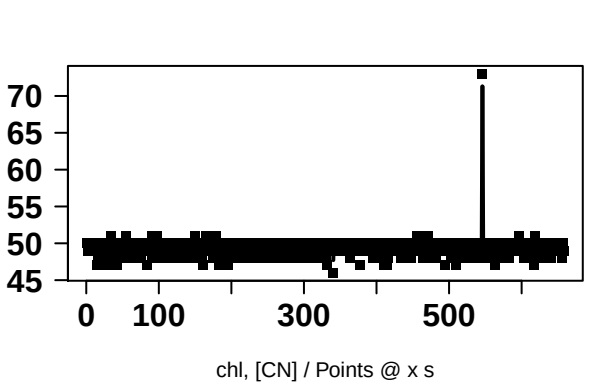

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

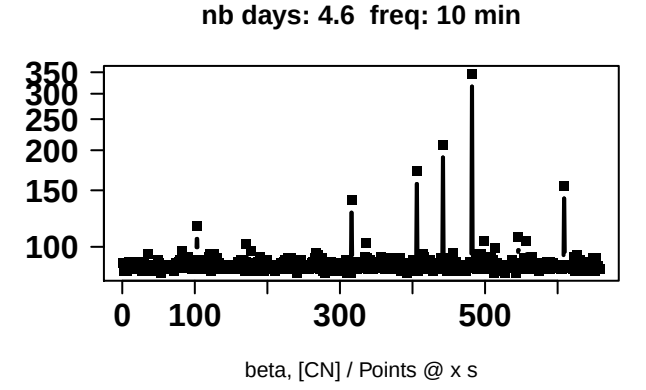

nb days: 4.4 freq: 10 min
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

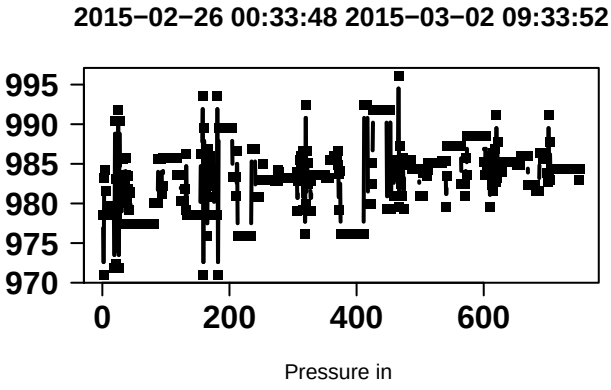

2015−02−20 21:20:00 2015−02−25 10:40:01
1000
990
980
970
0
200
400
600
800
Pressure in

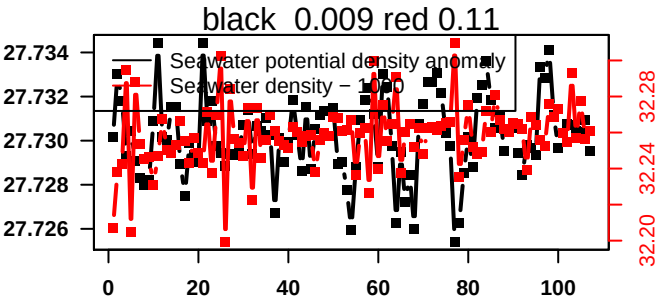

black 0.018 red 0.19
Seawater potential density anomaly
Seawater density −1000
27.735
27.730
27.725
27.720
32.30
32.20
0
20
40
60
80
100

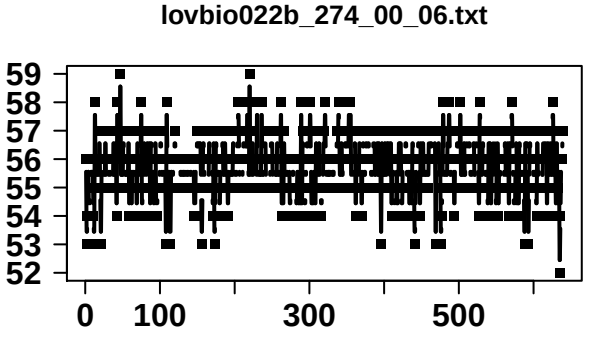

lovbio022b_273_00_06.txt
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

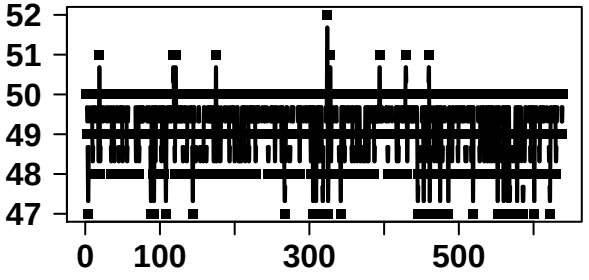

70
65
60
55
50
45
0
100
300
500
chl, [CN] / Points @ x s

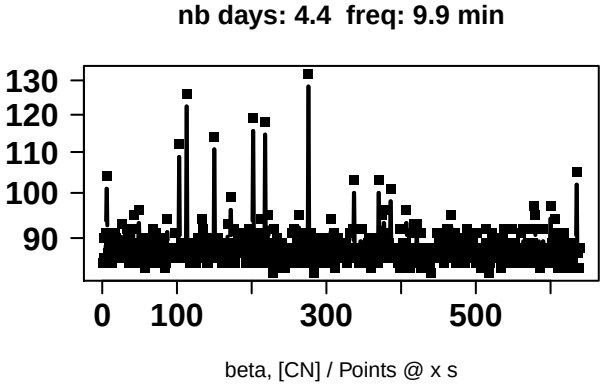

nb days: 4.6 freq: 10 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

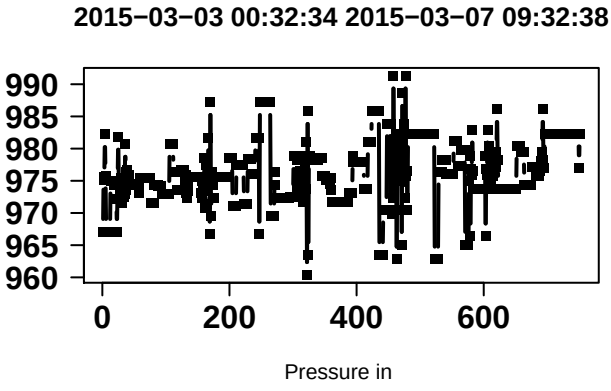

2015−02−26 00:33:48 2015−03−02 09:33:52
995
990
985
980
975
970
0
200
400
600
Pressure in

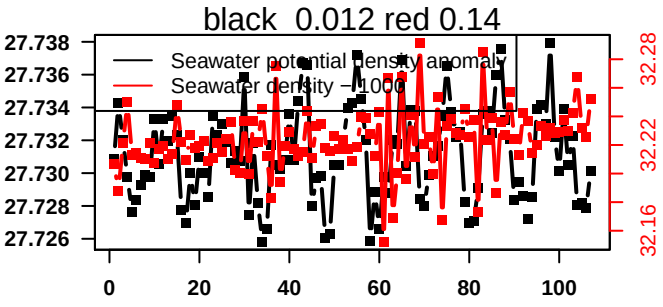

black 0.009 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.28
32.24
32.20
0
20
40
60
80
100

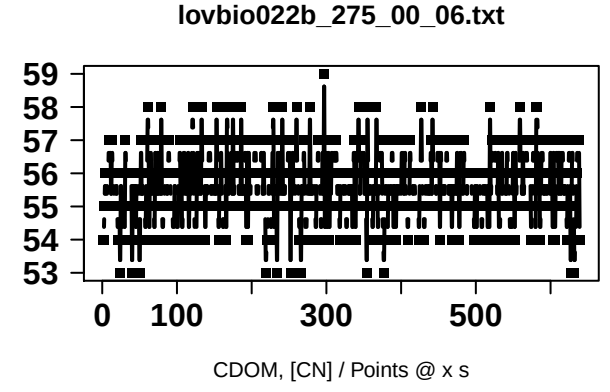

lovbio022b_274_00_06.txt
59
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

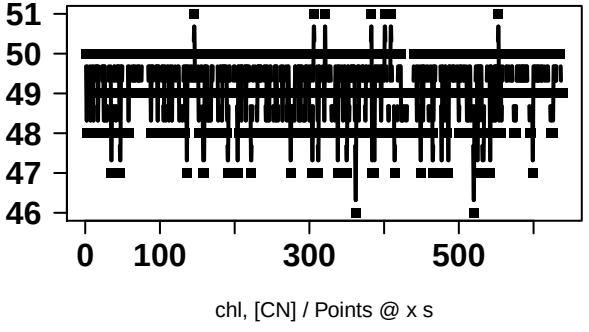

52
51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

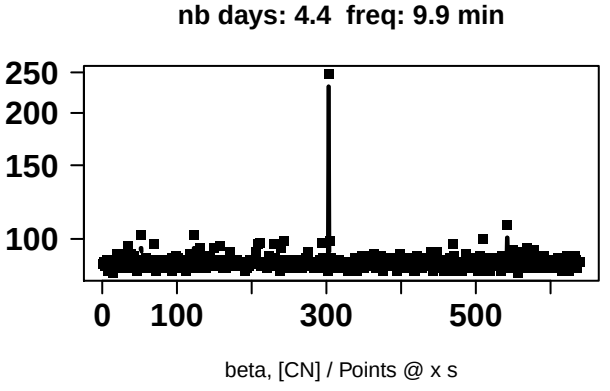

nb days: 4.4 freq: 9.9 min
130
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

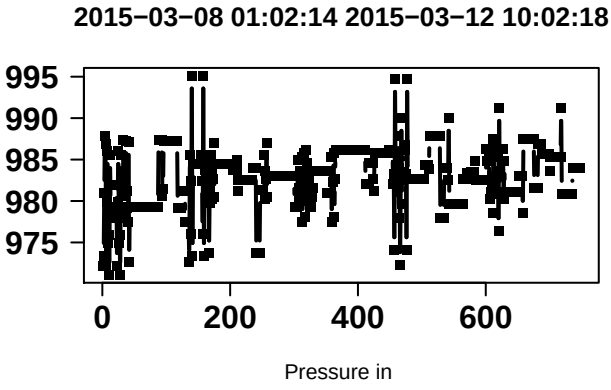

2015−03−03 00:32:34 2015−03−07 09:32:38
990
985
980
975
970
965
960
0
200
400
600
Pressure in

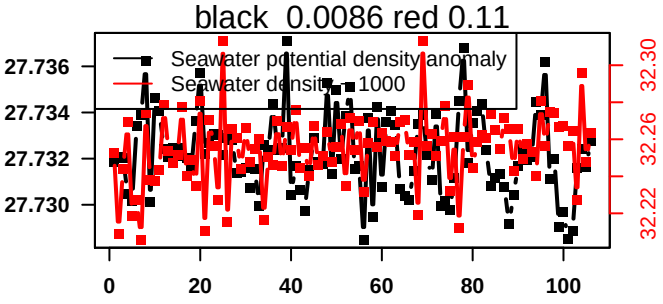

black 0.012 red 0.14
Seawater potential density anomaly
Seawater density −1000
27.738
27.736
27.734
27.732
27.730
27.728
27.726
32.28
32.22
32.16
0
20
40
60
80
100

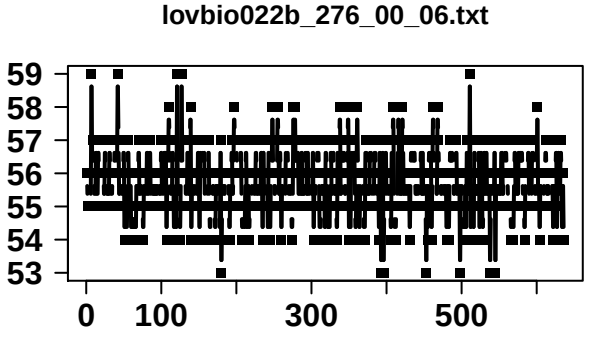

lovbio022b_275_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

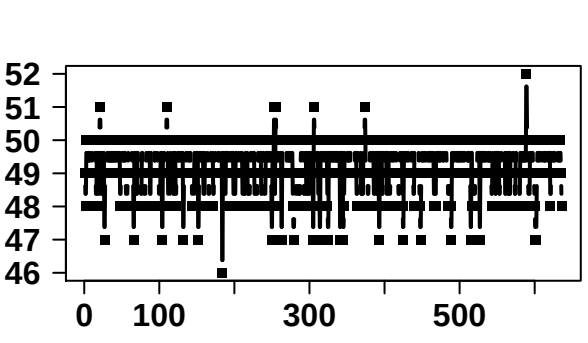

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

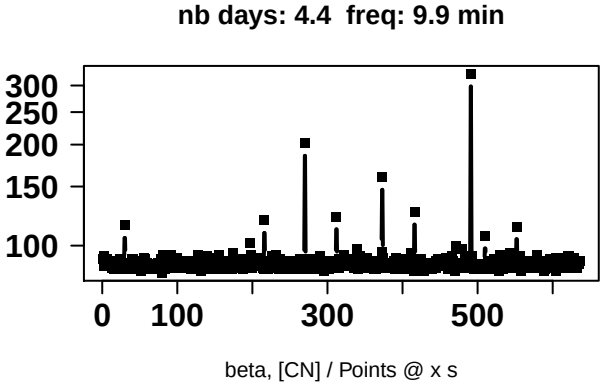

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

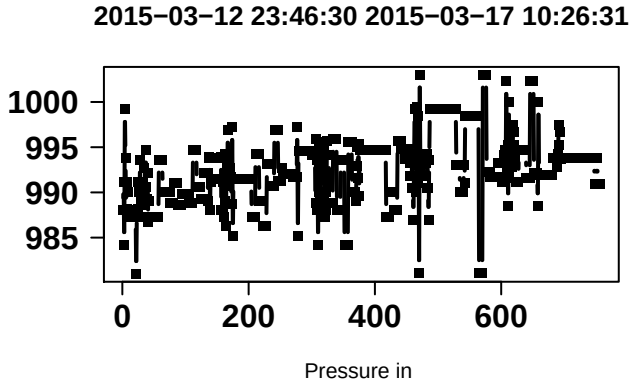

2015−03−08 01:02:14 2015−03−12 10:02:18
995
990
985
980
975
0
200
400
600
Pressure in

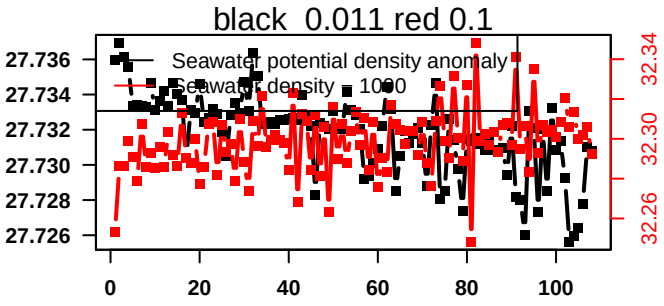

black 0.0086 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
0
20
40
60
80
100
32.30
32.26
32.22

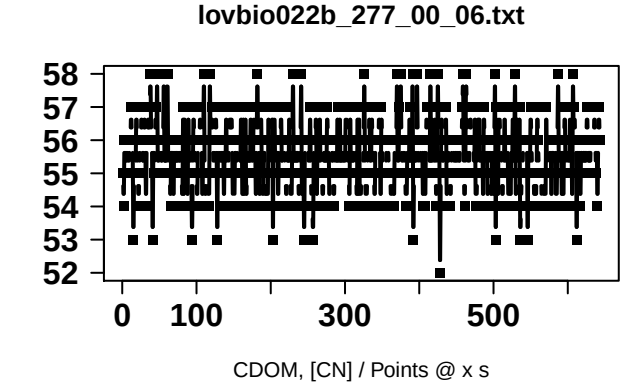

lovbio022b_276_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

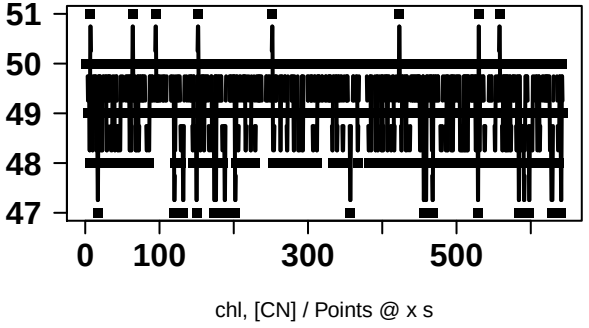

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

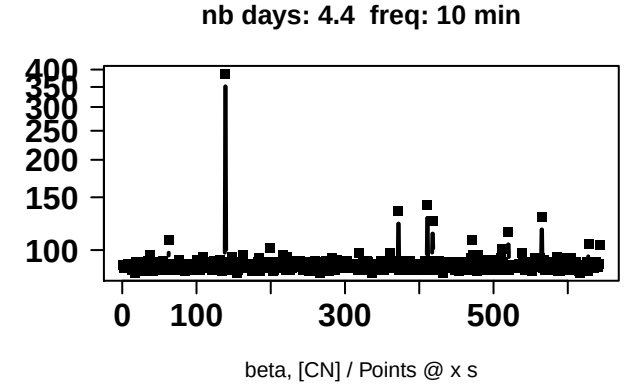

nb days: 4.4 freq: 9.9 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

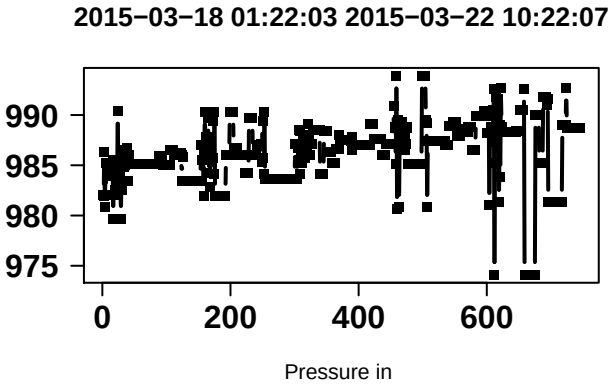

2015−03−12 23:46:30 2015−03−17 10:26:31
1000
995
990
985
0
200
400
600
Pressure in

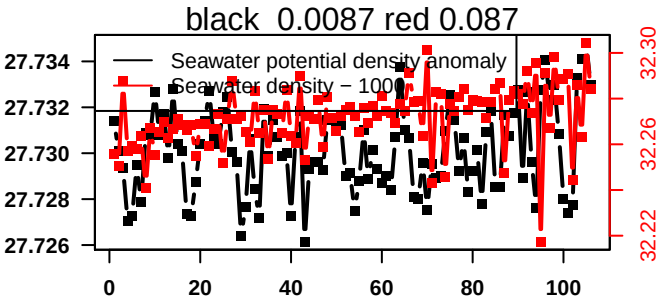

black 0.011 red 0.1
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
27.726
32.34
32.30
32.26
0
20
40
60
80
100

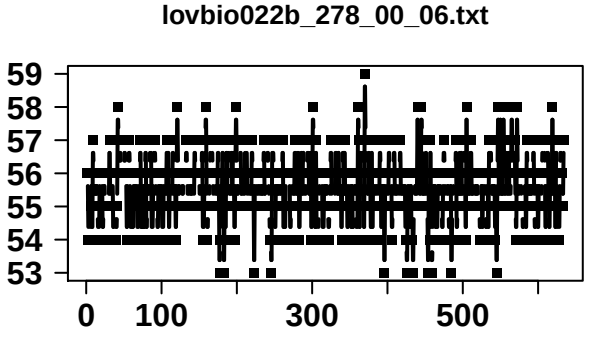

lovbio022b_277_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

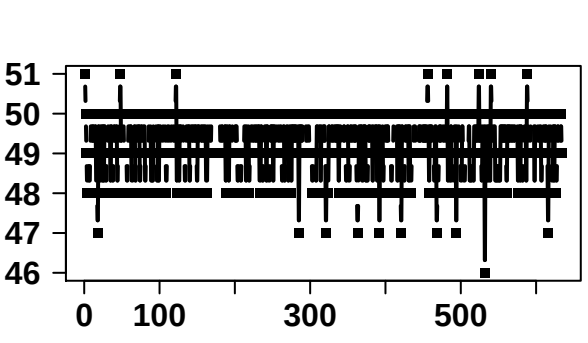

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

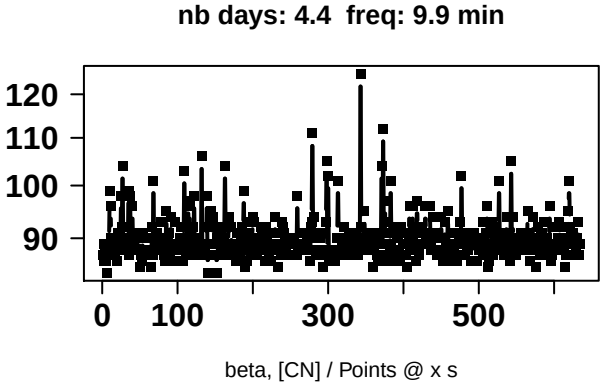

nb days: 4.4 freq: 10 min
400
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

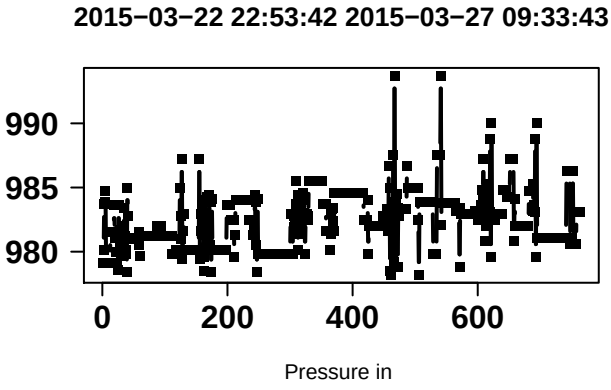

2015−03−18 01:22:03 2015−03−22 10:22:07
990
985
980
975
0
200
400
600
Pressure in

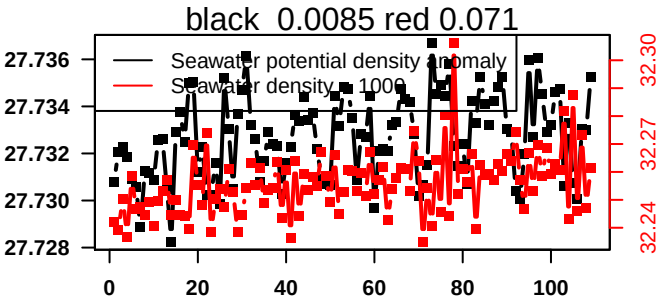

black 0.0087 red 0.087
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.30
32.26
32.22
0
20
40
60
80
100

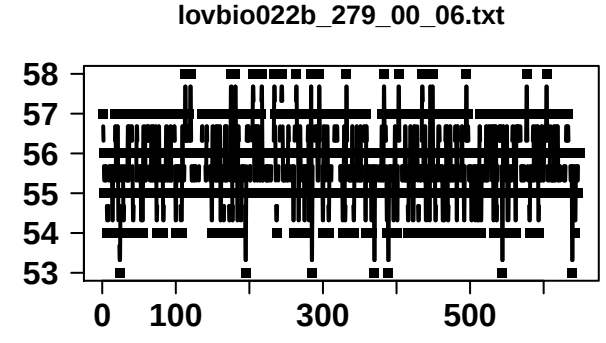

lovbio022b_278_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

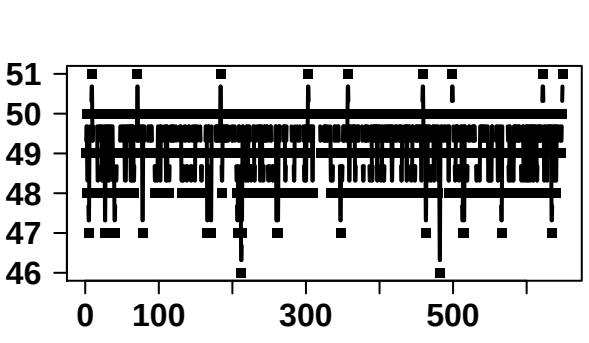

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

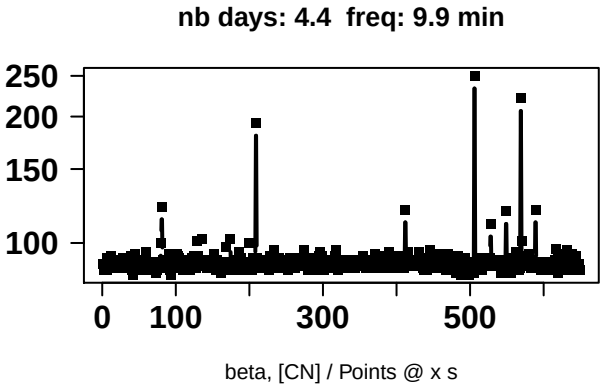

nb days: 4.4 freq: 9.9 min
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s

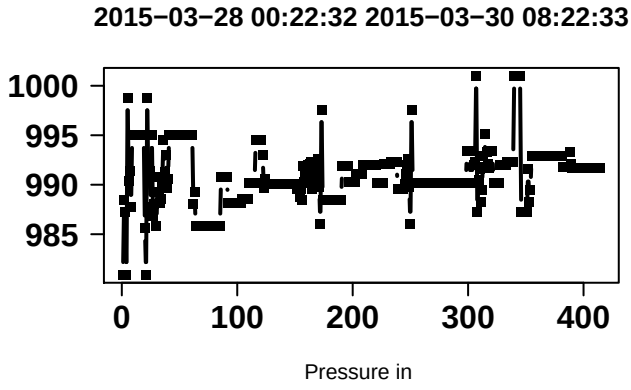

2015−03−22 22:53:42 2015−03−27 09:33:43
990
985
980
0
200
400
600
Pressure in

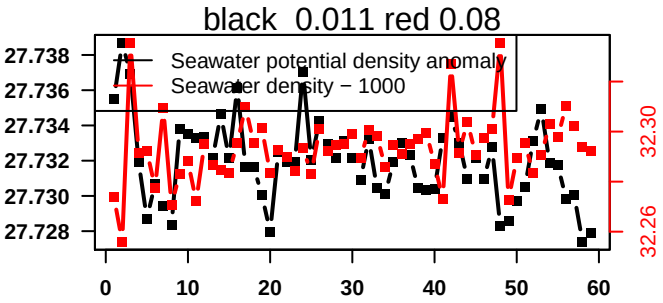

black 0.0085 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
32.30
32.27
32.24
0
20
40
60
80
100

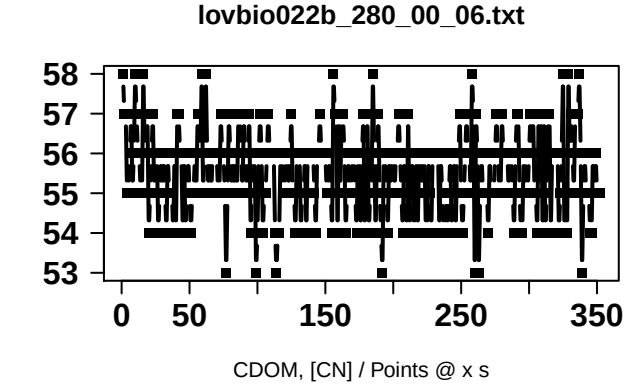

lovbio022b_279_00_06.txt
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

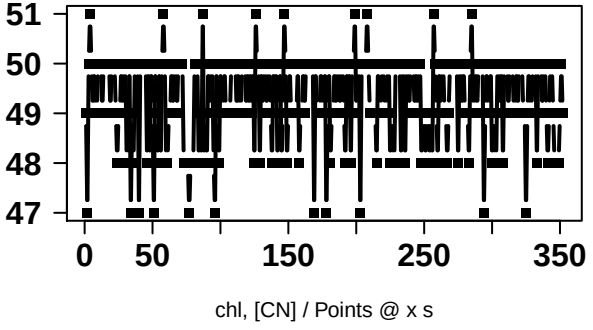

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

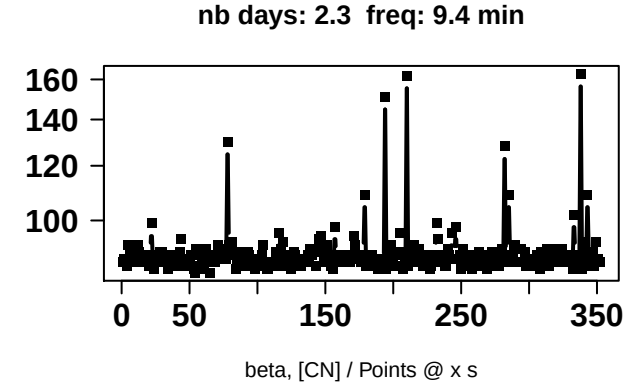

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

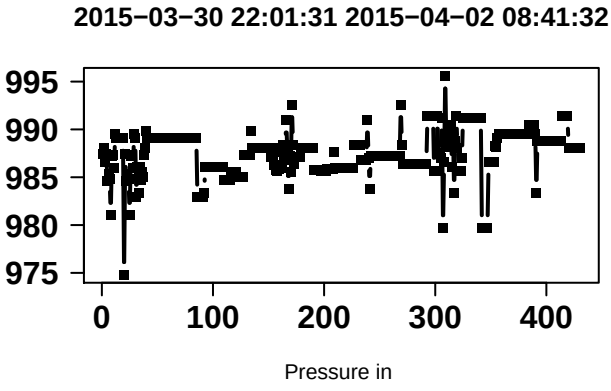

2015−03−28 00:22:32 2015−03−30 08:22:33
1000
995
990
985
0
100
200
300
400
Pressure in

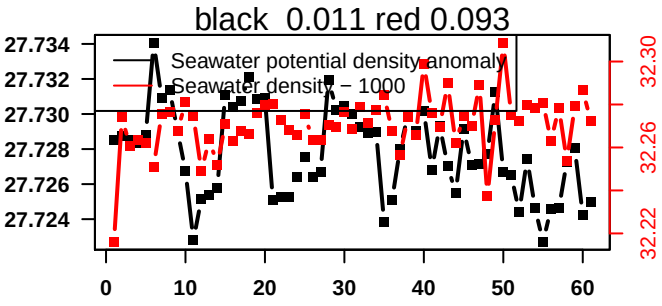

black 0.011 red 0.08
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
27.728
32.30
32.26
0
10
20
30
40
50
60

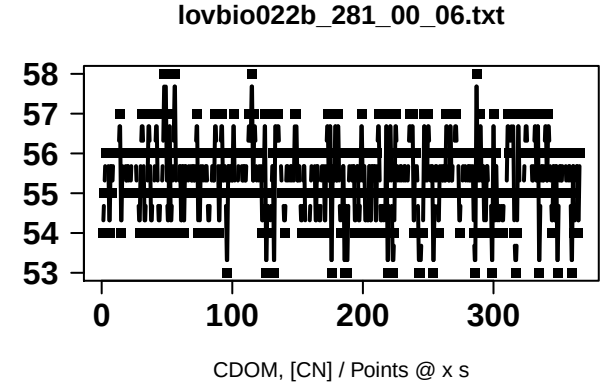

lovbio022b_280_00_06.txt
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

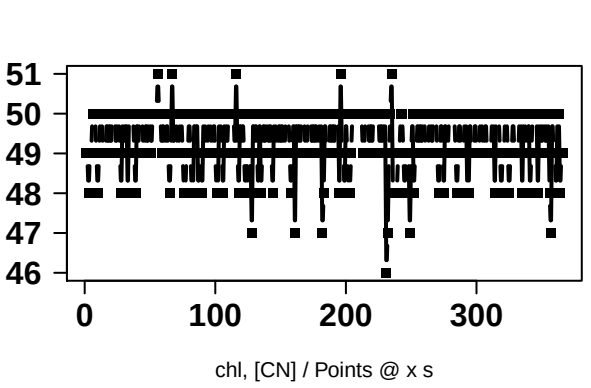

51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

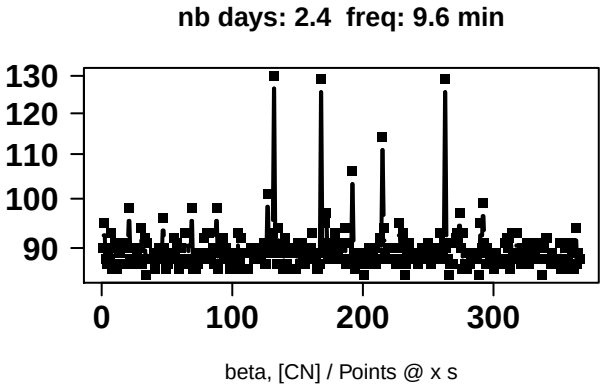

nb days: 2.3 freq: 9.4 min
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

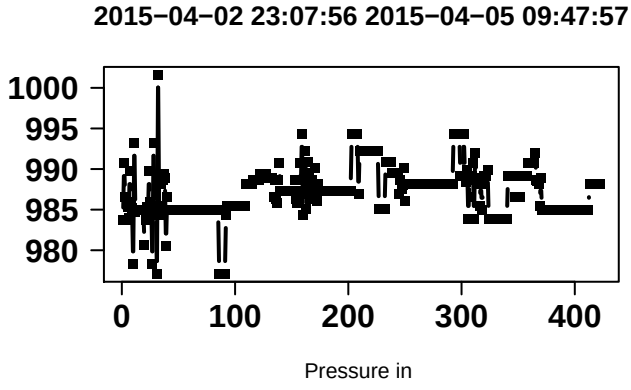

2015−03−30 22:01:31 2015−04−02 08:41:32
995
990
985
980
975
0
100
200
300
400
Pressure in

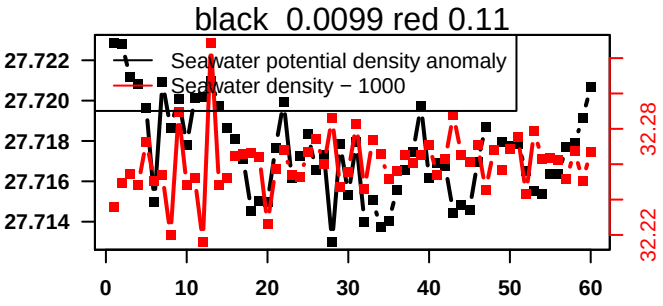

black 0.011 red 0.093
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
27.724
32.30
32.26
32.22
0
10
20
30
40
50
60

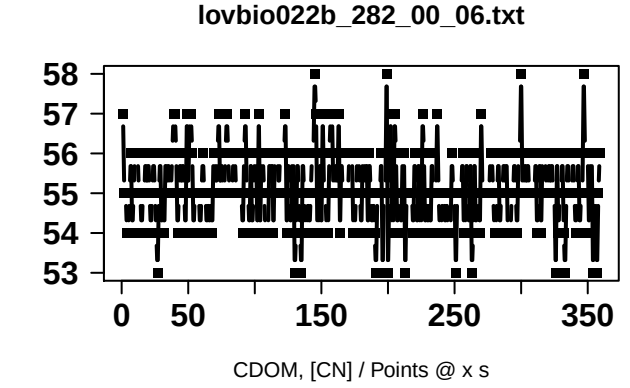

lovbio022b_281_00_06.txt
58
57
56
55
54
53
0
100
200
300
CDOM, [CN] / Points @ x s

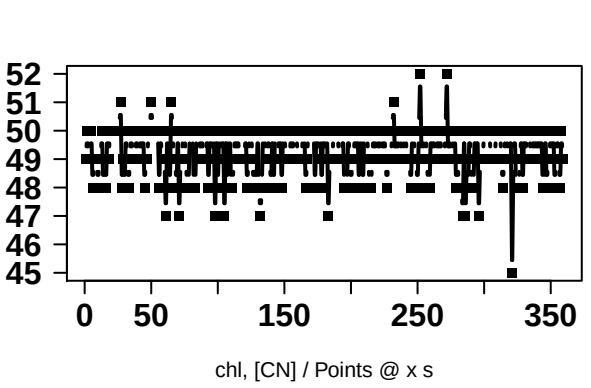

51
50
49
48
47
46
0
100
200
300
chl, [CN] / Points @ x s

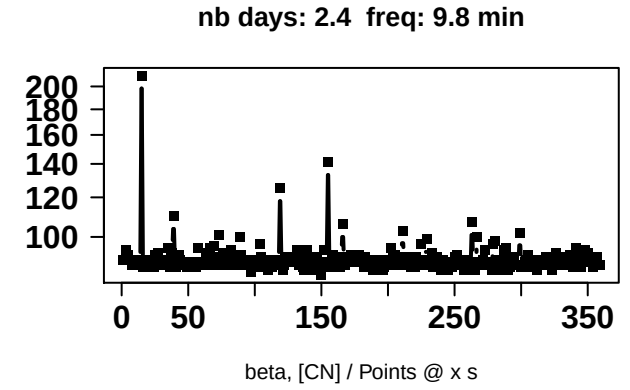

nb days: 2.4 freq: 9.6 min
130
120
110
100
90
0
100
200
300
beta, [CN] / Points @ x s

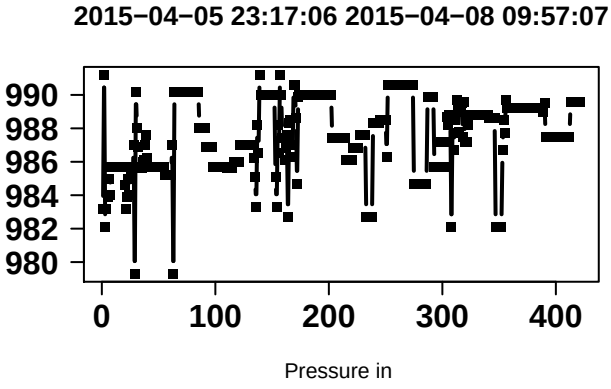

2015−04−02 23:07:56 2015−04−05 09:47:57
1000
995
990
985
980
0
100
200
300
400
Pressure in

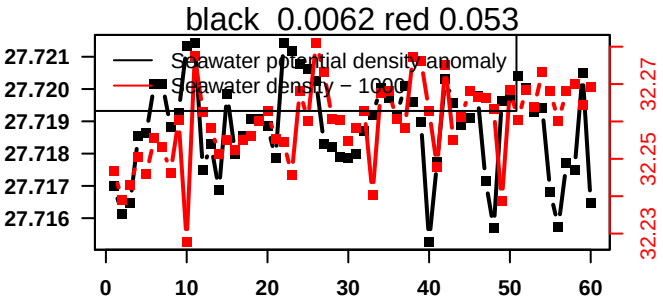

black 0.0099 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
32.28
32.22
0
10
20
30
40
50
60

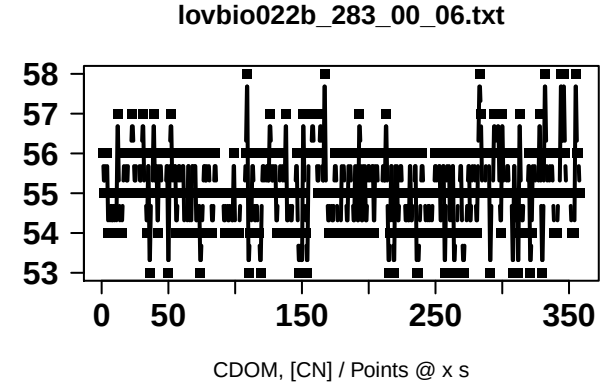

lovbio022b_282_00_06.txt
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

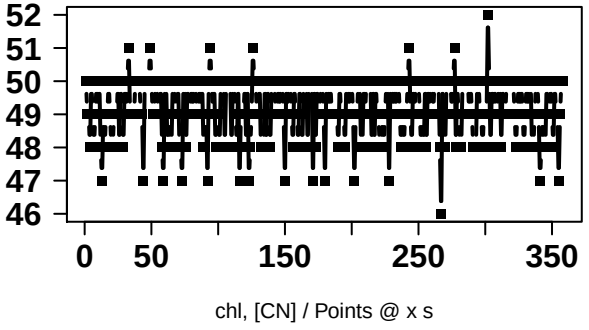

52
51
50
49
48
47
46
45
0
50
150
250
350
chl, [CN] / Points @ x s

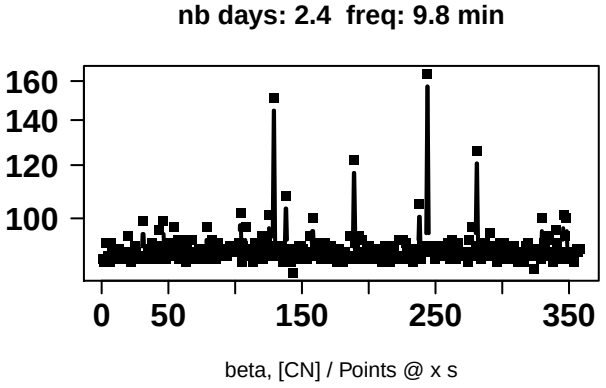

nb days: 2.4 freq: 9.8 min
200
180
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

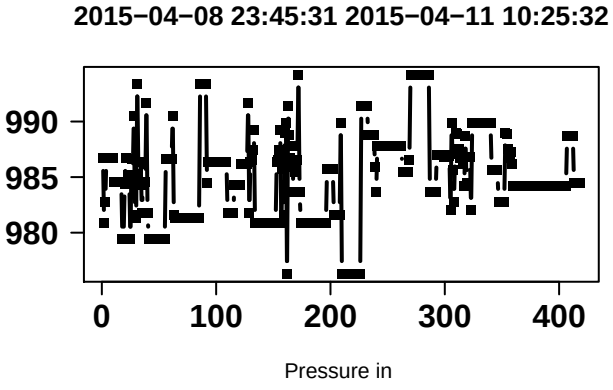

2015−04−05 23:17:06 2015−04−08 09:57:07
990
988
986
984
982
980
0
100
200
300
400
Pressure in

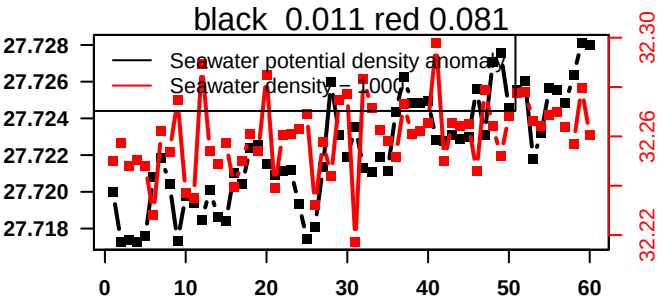

black 0.0062 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.721
27.720
27.719
27.718
27.717
27.716
32.27
32.25
32.23
0
10
20
30
40
50
60

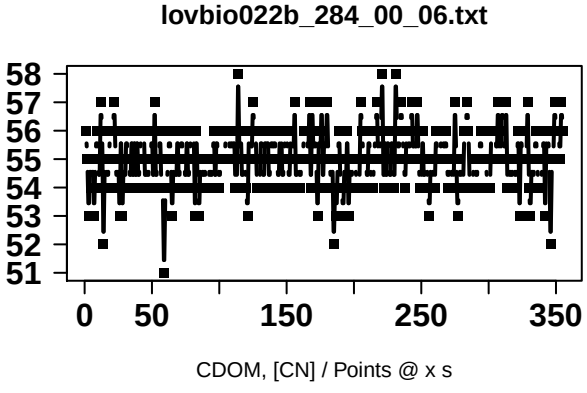

lovbio022b_283_00_06.txt
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

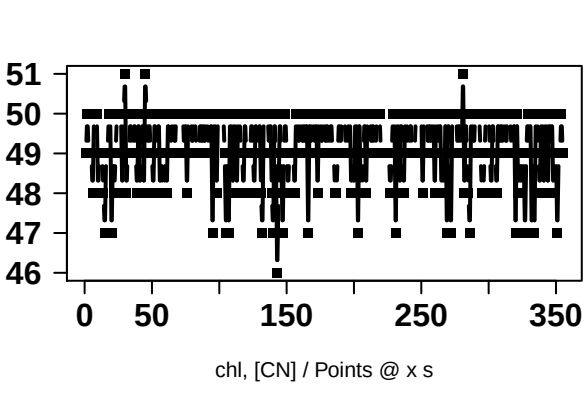

52
51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

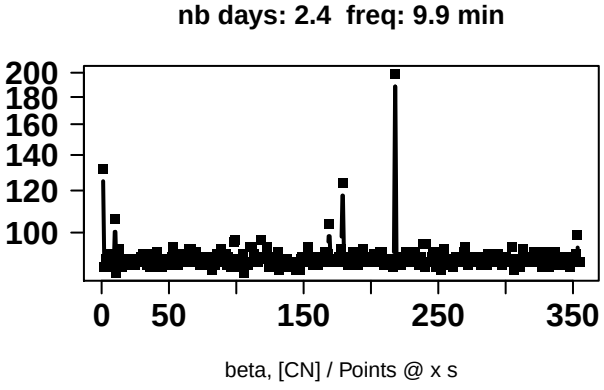

nb days: 2.4 freq: 9.8 min
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

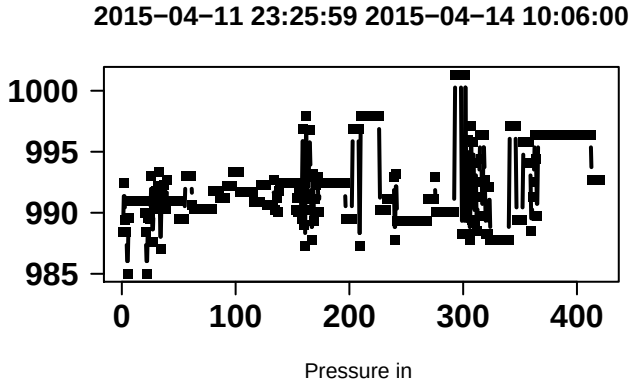

2015−04−08 23:45:31 2015−04−11 10:25:32
990
985
980
0
100
200
300
400
Pressure in

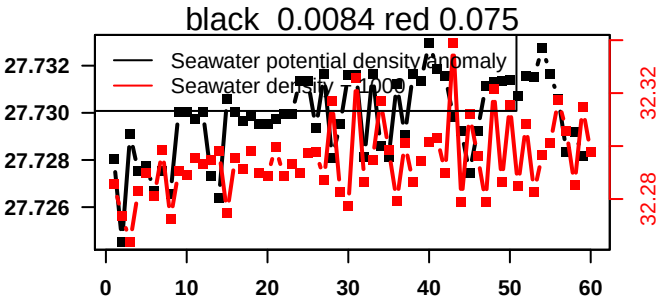

black 0.011 red 0.081
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
27.720
27.718
32.30
32.26
32.22
0
10
20
30
40
50
60

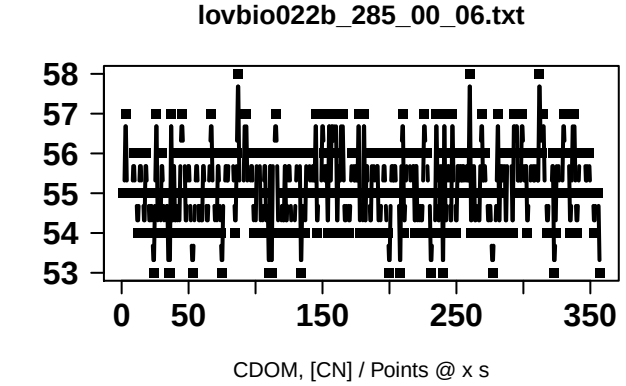

lovbio022b_284_00_06.txt
58
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

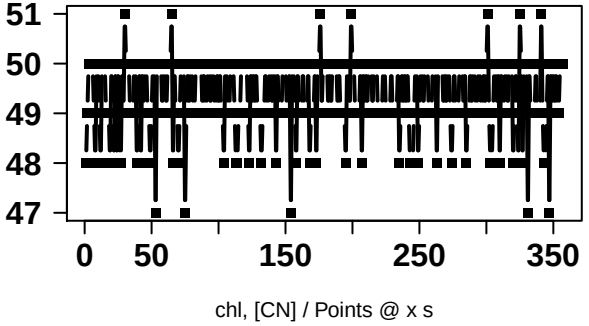

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

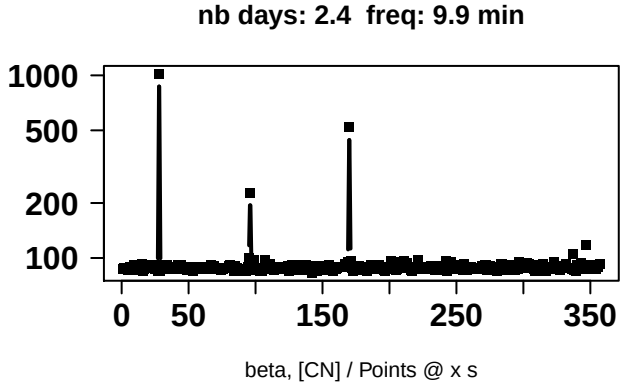

nb days: 2.4 freq: 9.9 min
200
180
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

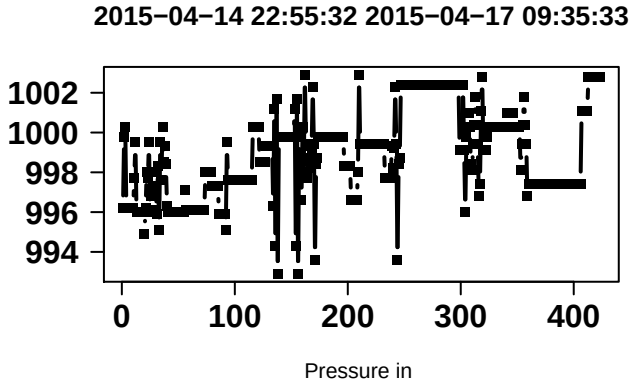

2015−04−11 23:25:59 2015−04−14 10:06:00
1000
995
990
985
0
100
200
300
400
Pressure in

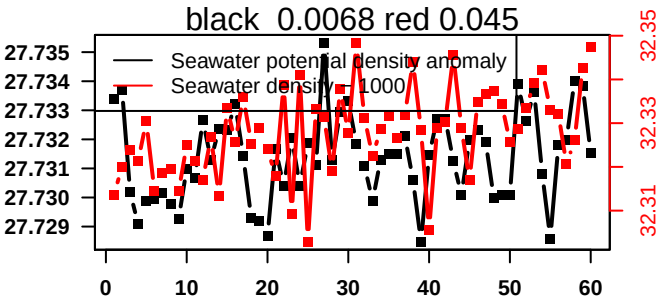

black 0.0084 red 0.075
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.32
32.28
0
10
20
30
40
50
60

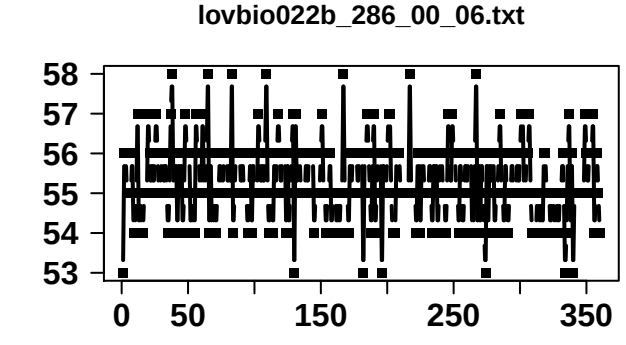

lovbio022b_285_00_06.txt
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

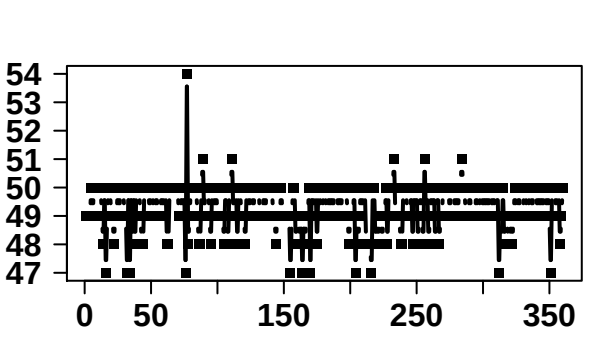

51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

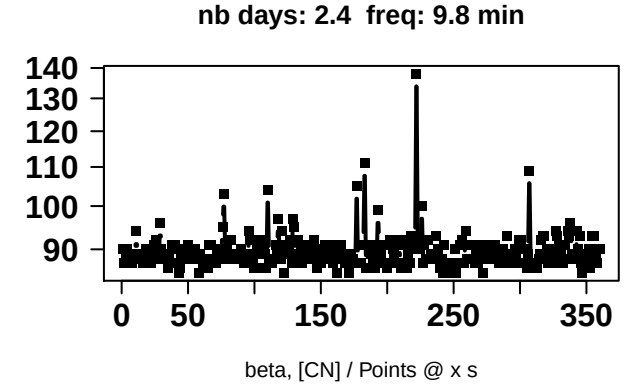

nb days: 2.4 freq: 9.9 min
1000
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

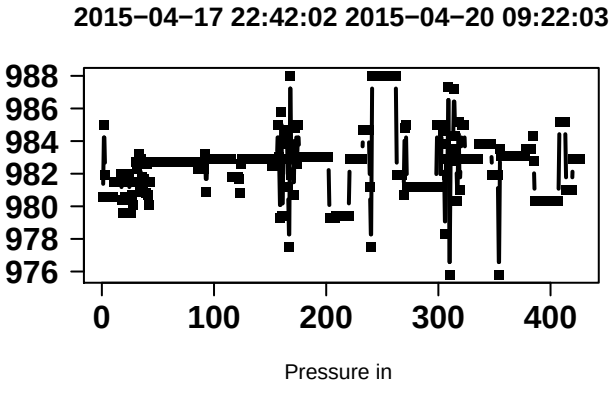

2015−04−14 22:55:32 2015−04−17 09:35:33
1002
1000
998
996
994
0
100
200
300
400
Pressure in

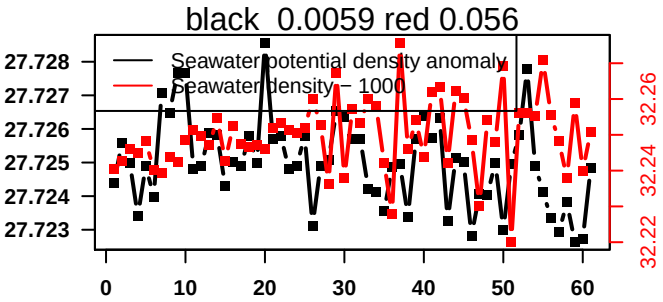

black 0.0068 red 0.045
Seawater potential density anomaly
Seawater density − 1000
27.735
27.734
27.733
27.732
27.731
27.730
27.729
32.35
32.33
32.31
0
10
20
30
40
50
60

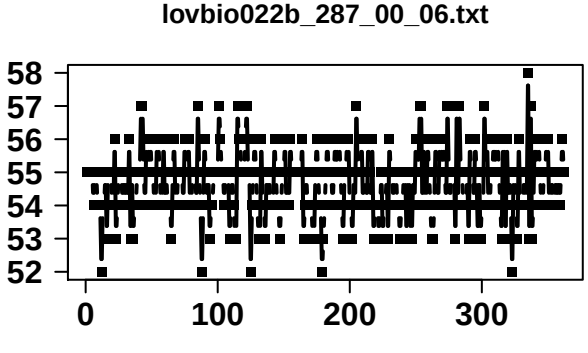

lovbio022b_286_00_06.txt
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

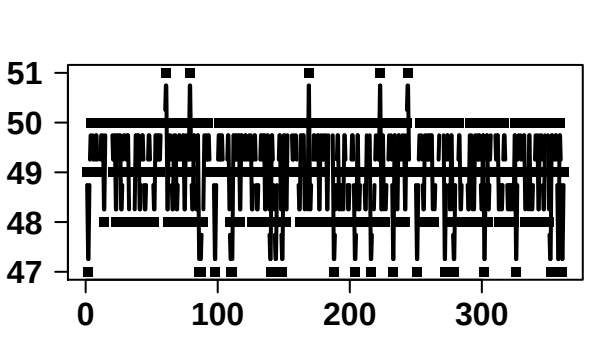

54
53
52
51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

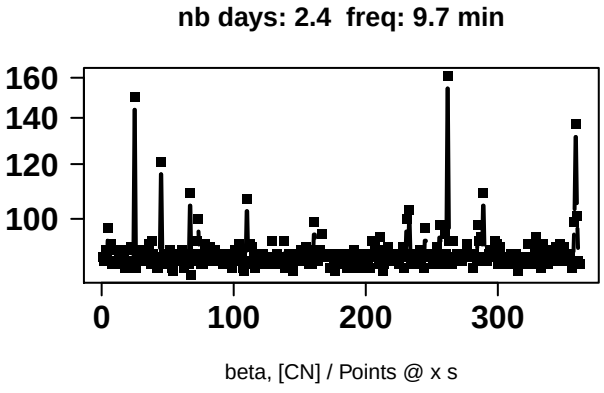

nb days: 2.4 freq: 9.8 min
140
130
120
110
100
90
0
50
150
250
350
beta, [CN] / Points @ x s

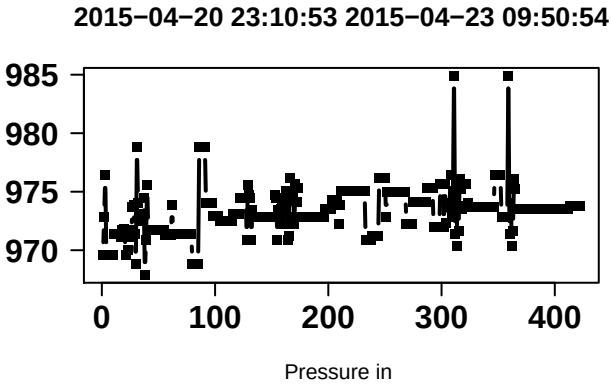

2015−04−17 22:42:02 2015−04−20 09:22:03
988
986
984
982
980
978
976
0
100
200
300
400
Pressure in

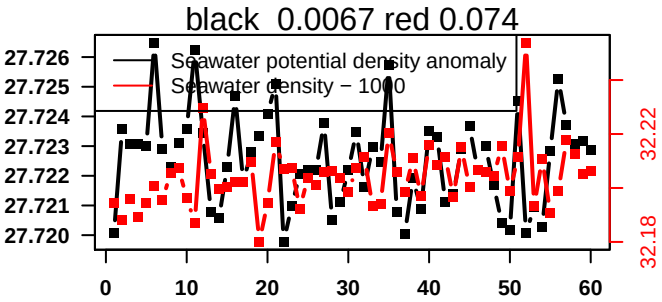

black 0.0059 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.728
27.727
27.726
27.725
27.724
27.723
0
10
20
30
40
50
60
32.22
32.24
32.26

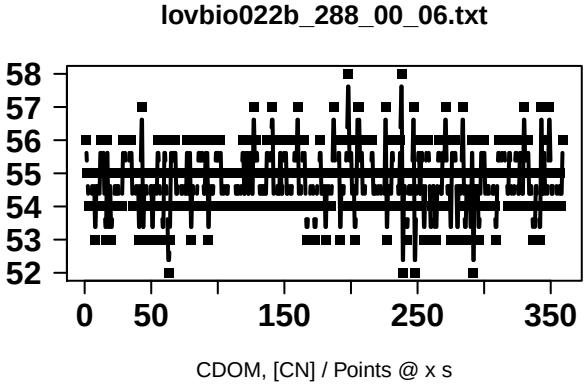

lovbio022b_287_00_06.txt
58
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

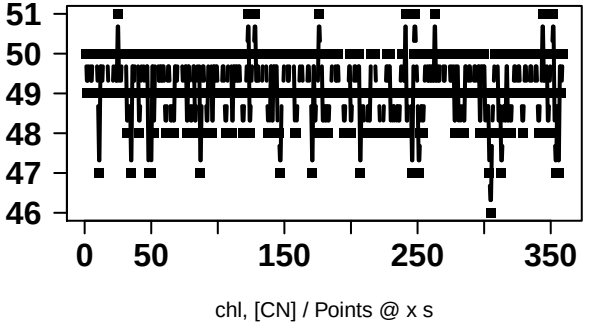

51
50
49
48
47
0
100
200
300
chl, [CN] / Points @ x s

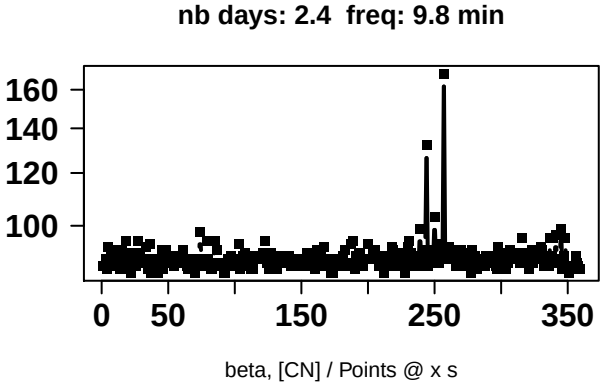

nb days: 2.4 freq: 9.7 min
160
140
120
100
0
100
200
300
beta, [CN] / Points @ x s

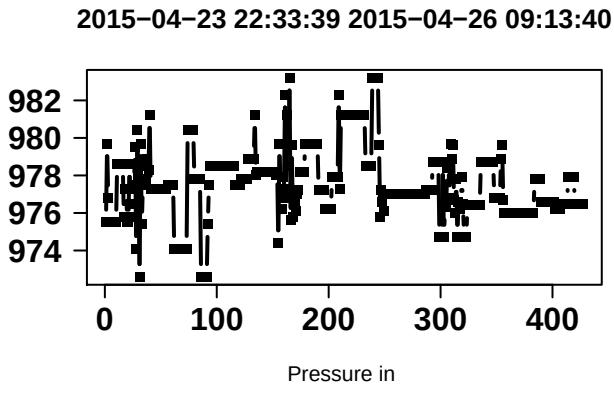

2015−04−20 23:10:53 2015−04−23 09:50:54
985
980
975
970
0
100
200
300
400
Pressure in

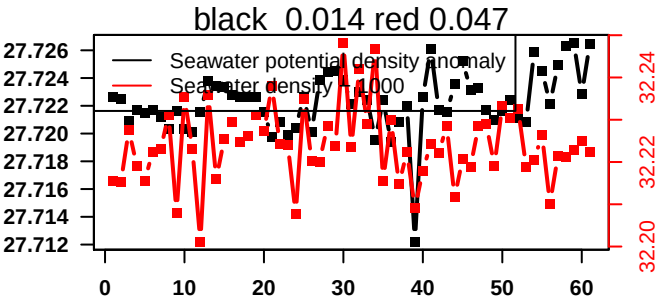

black 0.0067 red 0.074
Seawater potential density anomaly
Seawater density − 1000
27.726
27.725
27.724
27.723
27.722
27.721
27.720
32.22
32.18
0
10
20
30
40
50
60

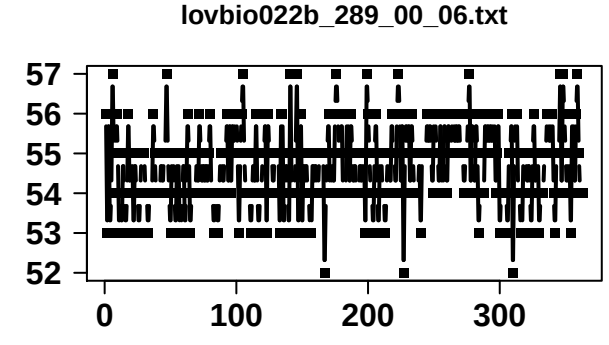

lovbio022b_288_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

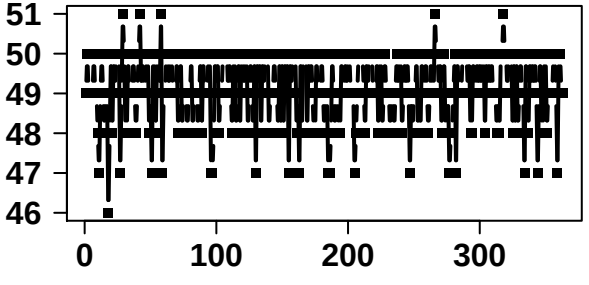

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

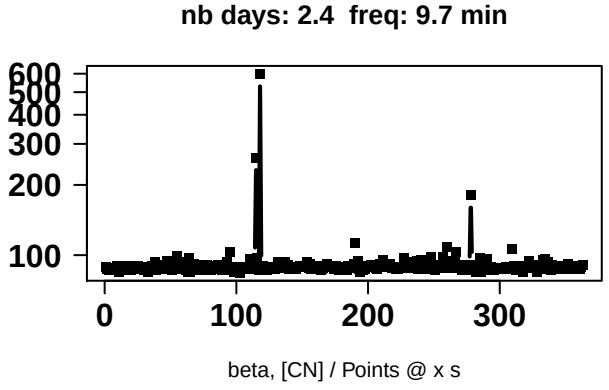

nb days: 2.4 freq: 9.8 min
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

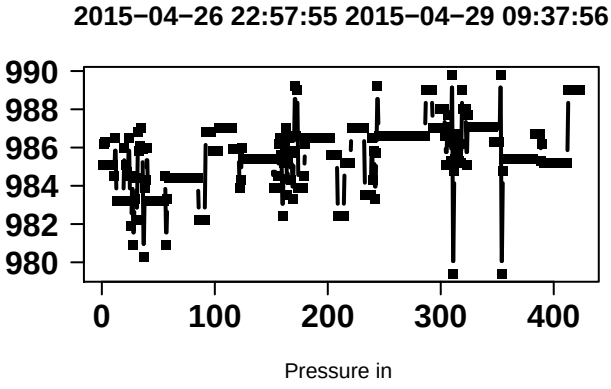

2015−04−23 22:33:39 2015−04−26 09:13:40
982
980
978
976
974
0
100
200
300
400
Pressure in

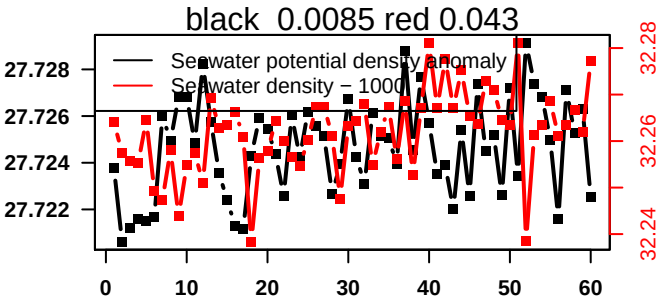

black 0.014 red 0.047
Seawater potential density anomaly
27.726
27.724
27.722
27.720
27.718
27.716
27.714
27.712
32.24
32.22
32.20
0
10
20
30
40
50
60

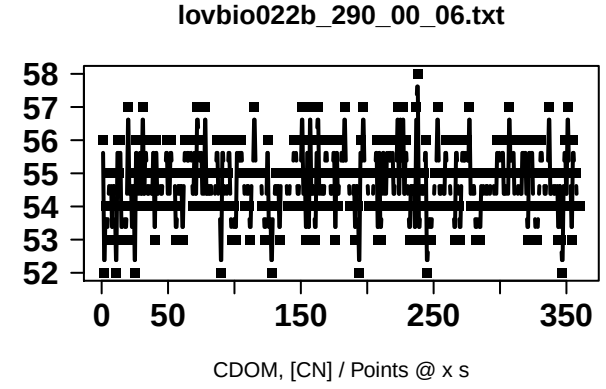

lovbio022b_289_00_06.txt
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

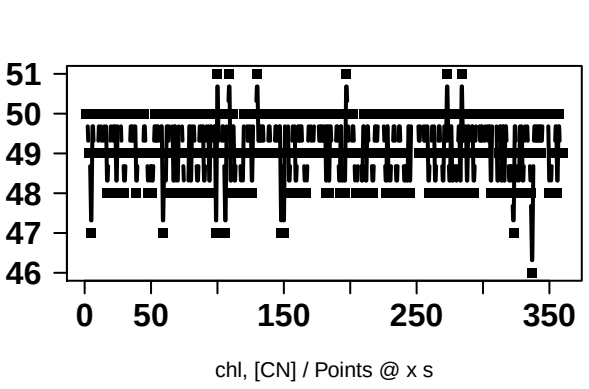

51
50
49
48
47
46
0
100
200
300
chl, [CN] / Points @ x s

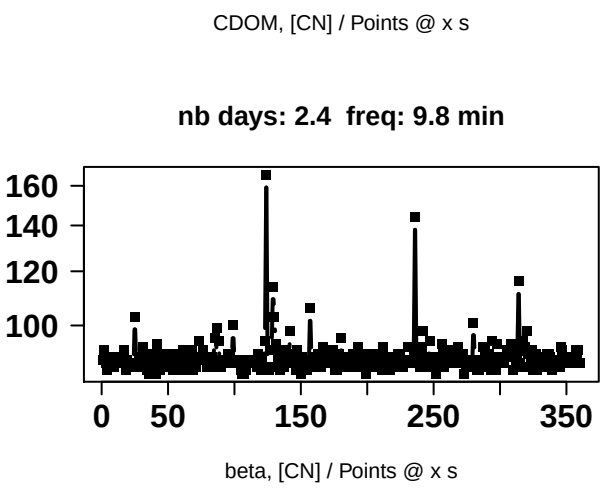

nb days: 2.4 freq: 9.7 min
600
500
400
300
200
100
0
100
200
300
beta, [CN] / Points @ x s

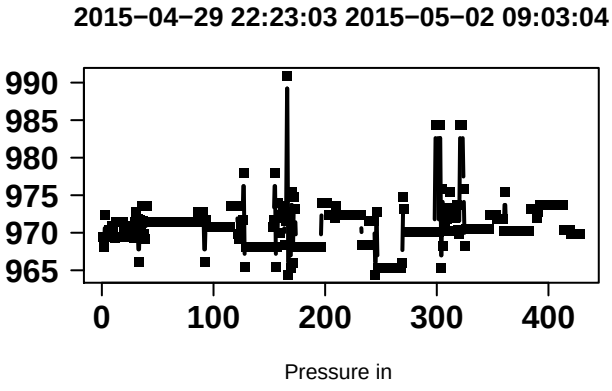

2015−04−26 22:57:55 2015−04−29 09:37:56
990
988
986
984
982
980
0
100
200
300
400
Pressure in

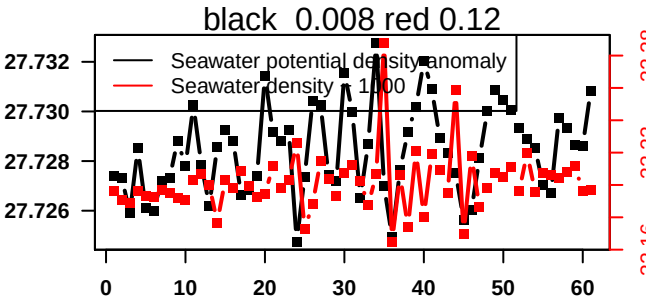

black 0.0085 red 0.043
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
32.28
32.26
32.24
0
10
20
30
40
50
60

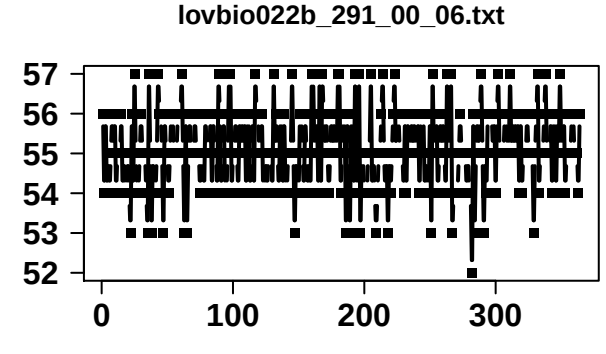

lovbio022b_290_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

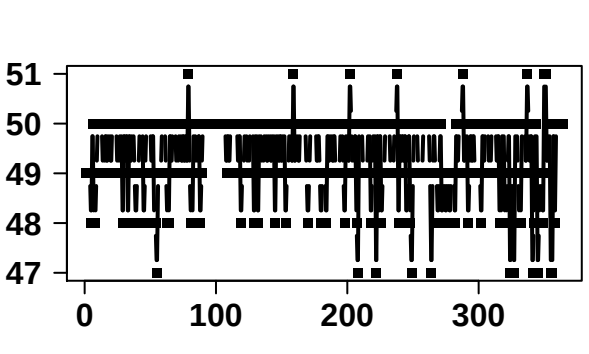

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

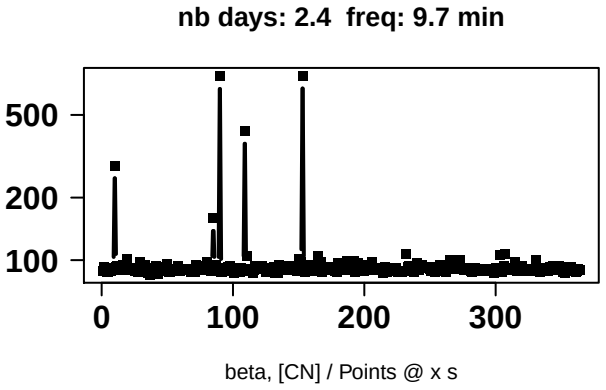

nb days: 2.4 freq: 9.8 min
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

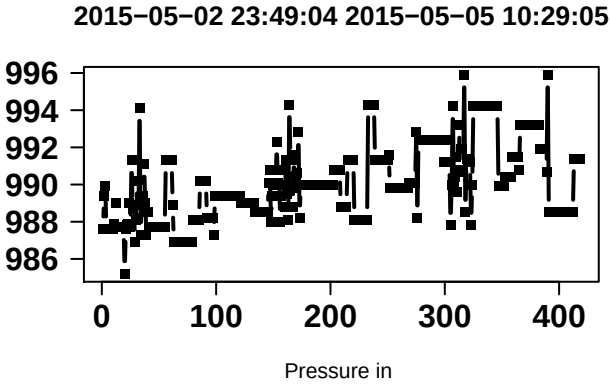

2015−04−29 22:23:03 2015−05−02 09:03:04
990
985
980
975
970
965
0
100
200
300
400
Pressure in

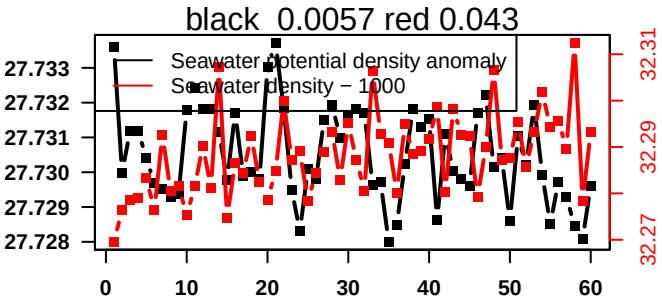

black 0.008 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.28
32.22
32.16
0
10
20
30
40
50
60

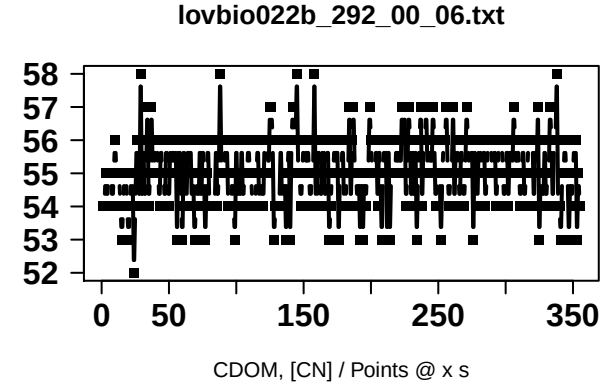

lovbio022b_291_00_06.txt
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

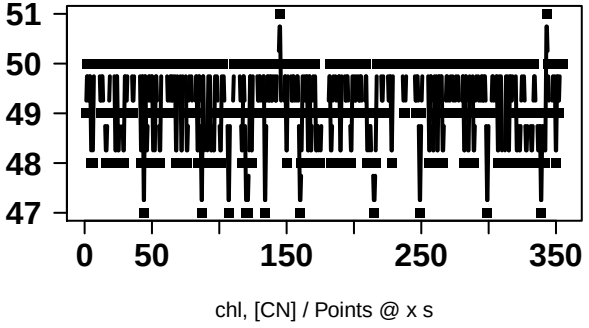

51
50
49
48
47
0
100
200
300
chl, [CN] / Points @ x s

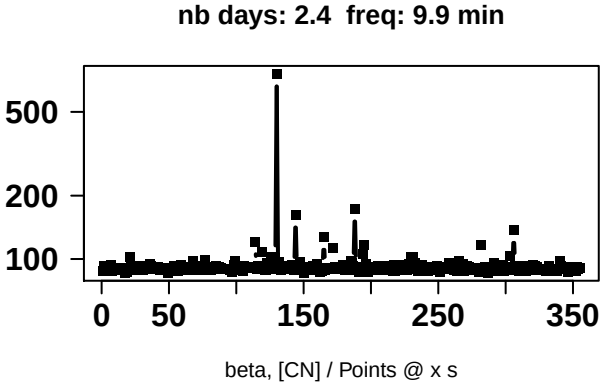

nb days: 2.4 freq: 9.7 min
500
200
100
0
100
200
300
beta, [CN] / Points @ x s

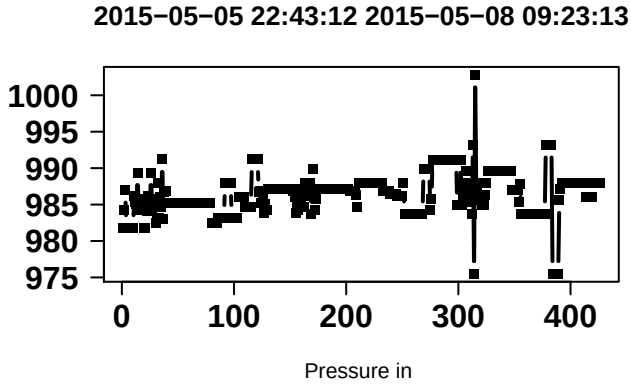

2015−05−02 23:49:04 2015−05−05 10:29:05
996
994
992
990
988
986
0
100
200
300
400
Pressure in

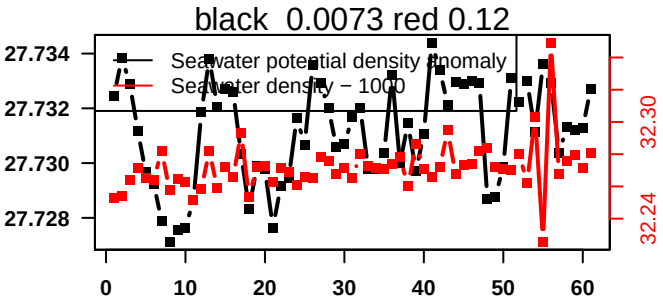

black 0.0057 red 0.043
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
32.31
32.29
32.27
0
10
20
30
40
50
60

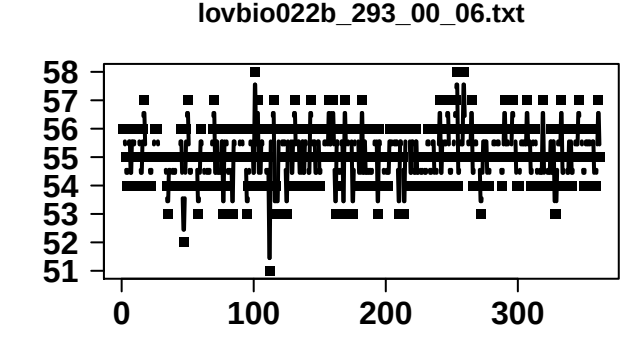

lovbio022b_292_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

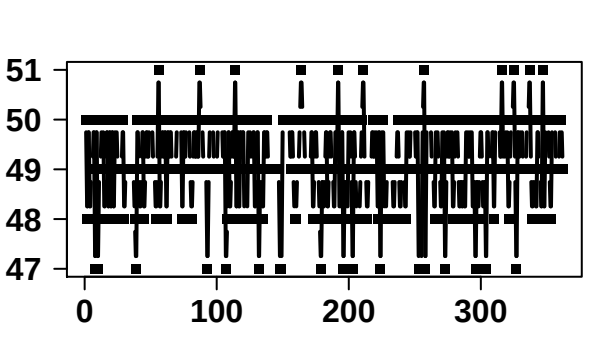

51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

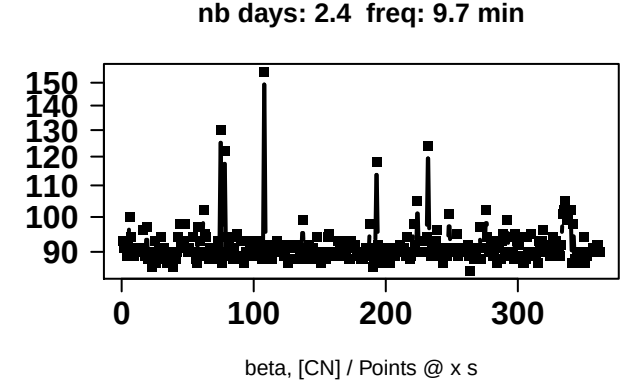

nb days: 2.4 freq: 9.9 min
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

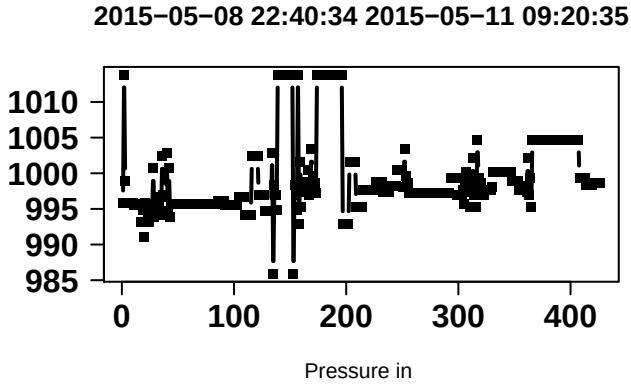

2015−05−05 22:43:12 2015−05−08 09:23:13
1000
995
990
985
980
975
0
100
200
300
400
Pressure in

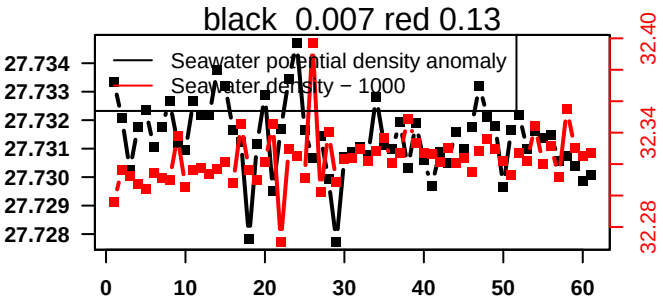

black 0.0073 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.30
32.24
0
10
20
30
40
50
60

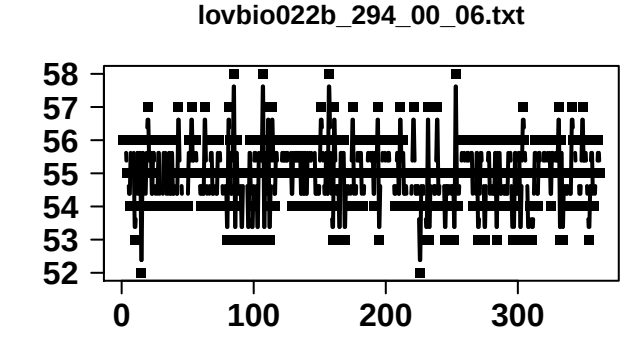

lovbio022b_293_00_06.txt
58
57
56
55
54
53
52
51
0
100
200
300
CDOM, [CN] / Points @ x s

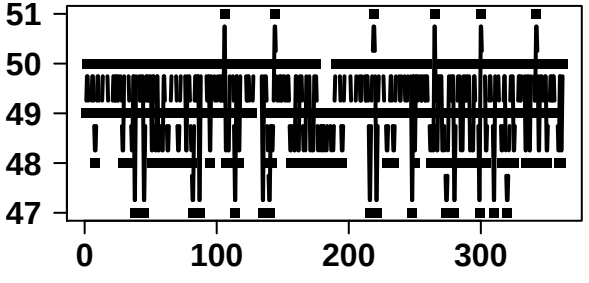

51
50
49
48
47
0
100
200
300
chl, [CN] / Points @ x s

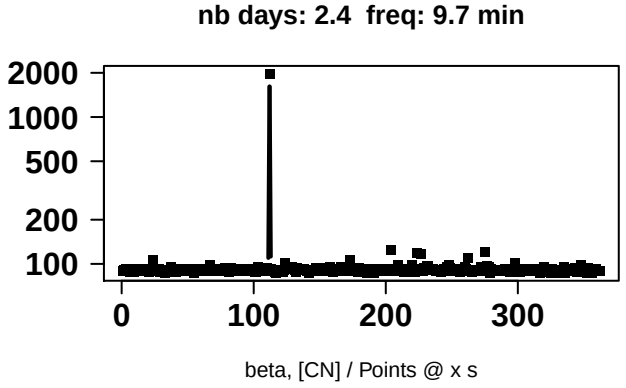

nb days: 2.4 freq: 9.7 min
150
140
130
120
110
100
90
0
100
200
300
beta, [CN] / Points @ x s

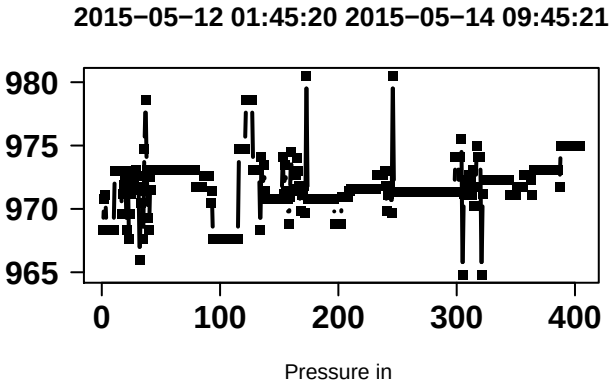

2015−05−08 22:40:34 2015−05−11 09:20:35
1010
1005
1000
995
990
985
0
100
200
300
400
Pressure in

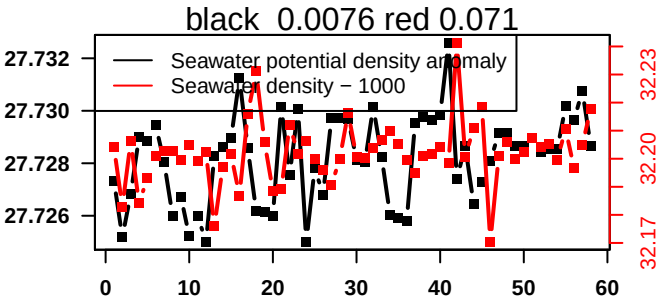

black 0.007 red 0.13
Seawater potential density anomaly
Seawater density − 1000
27.734
27.733
27.732
27.731
27.730
27.729
27.728
32.40
32.34
32.28
0
10
20
30
40
50
60

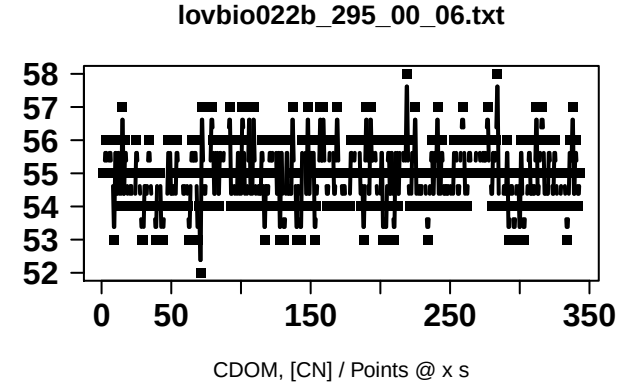

lovbio022b_294_00_06.txt
58
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

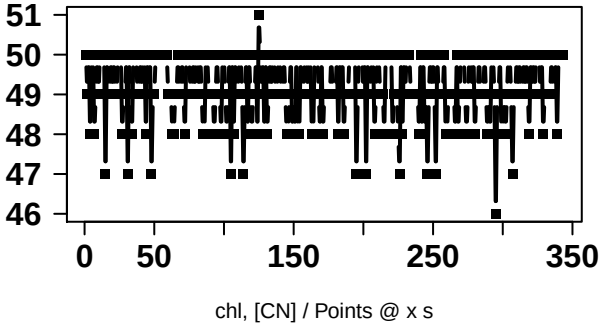

51
50
49
48
47
0
100
200
300
chl, [CN] / Points @ x s

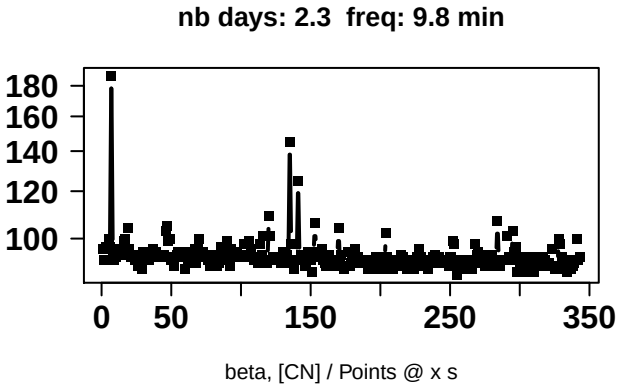

nb days: 2.4 freq: 9.7 min
2000
1000
500
200
100
0
100
200
300
beta, [CN] / Points @ x s

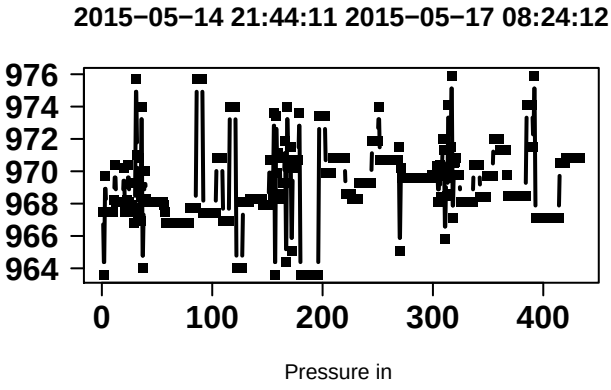

2015−05−12 01:45:20 2015−05−14 09:45:21
980
975
970
965
0
100
200
300
400
Pressure in

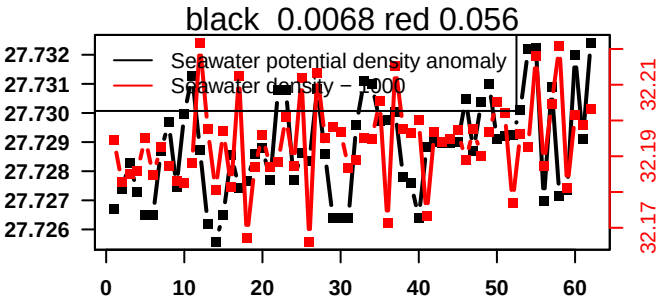

black 0.0076 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.23
32.20
32.17
0
10
20
30
40
50
60

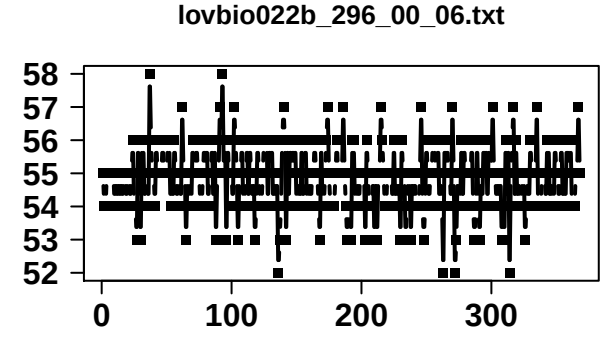

lovbio022b_295_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

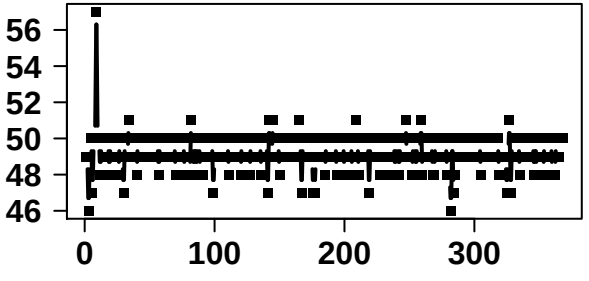

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

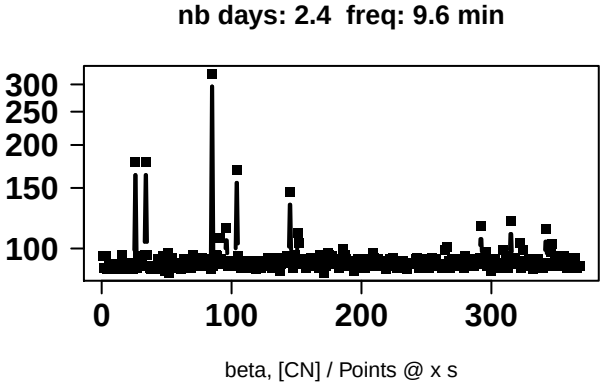

nb days: 2.3 freq: 9.8 min
180
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

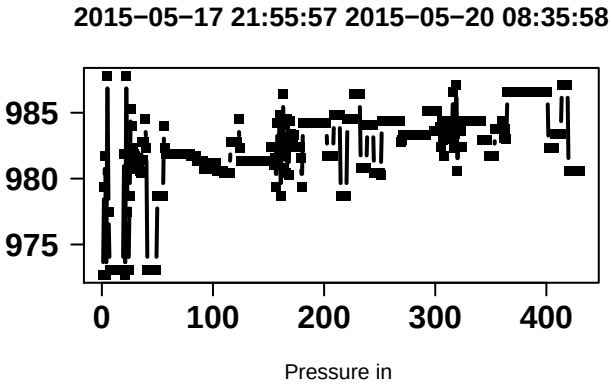

2015−05−14 21:44:11 2015−05−17 08:24:12
976
974
972
970
968
966
964
0
100
200
300
400
Pressure in

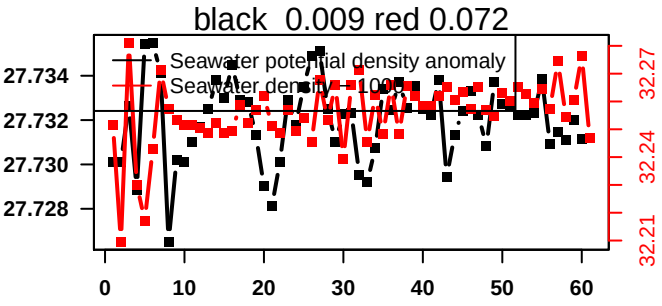

black 0.0068 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
27.728
27.727
27.726
32.17
32.19
32.21
0
10
20
30
40
50
60

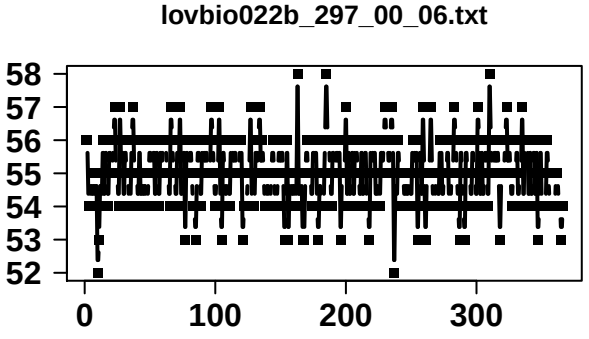

lovbio022b_296_00_06.txt
58
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

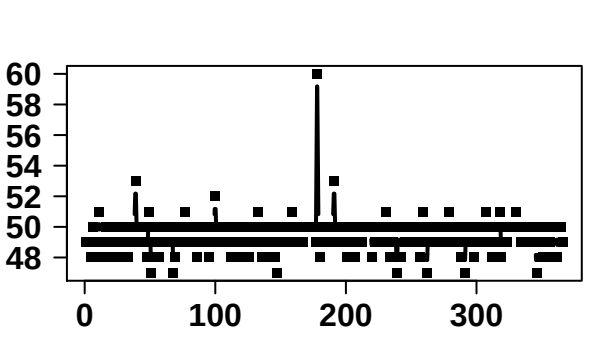

56
54
52
50
48
46
0
100
200
300
chl, [CN] / Points @ x s

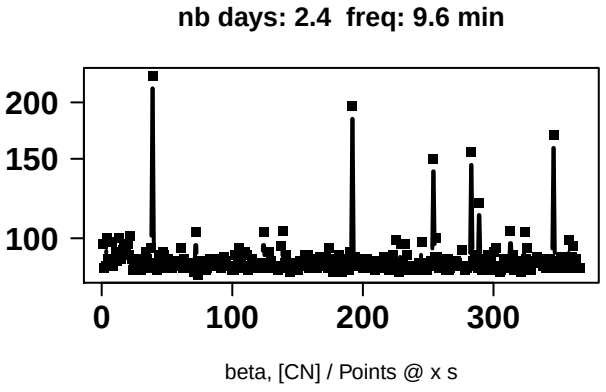

nb days: 2.4 freq: 9.6 min
300
250
200
150
100
0
100
200
300
beta, [CN] / Points @ x s

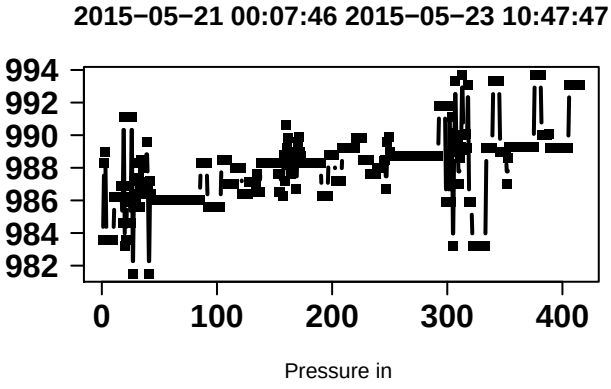

2015−05−17 21:55:57 2015−05−20 08:35:58
985
980
975
0
100
200
300
400
Pressure in

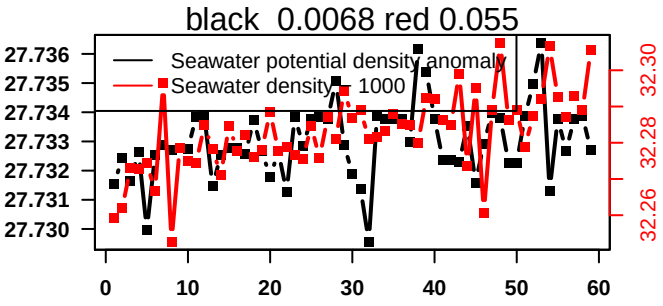

black 0.009 red 0.072
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
32.27
32.24
32.21
0
10
20
30
40
50
60

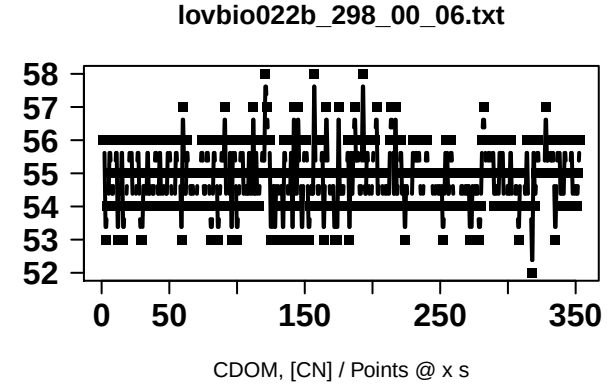

lovbio022b_297_00_06.txt
58
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

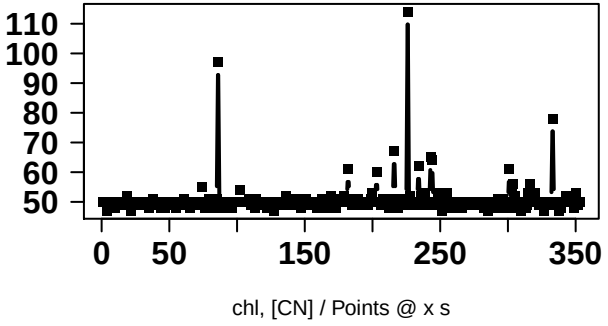

60
58
56
54
52
50
48
0
100
200
300
chl, [CN] / Points @ x s

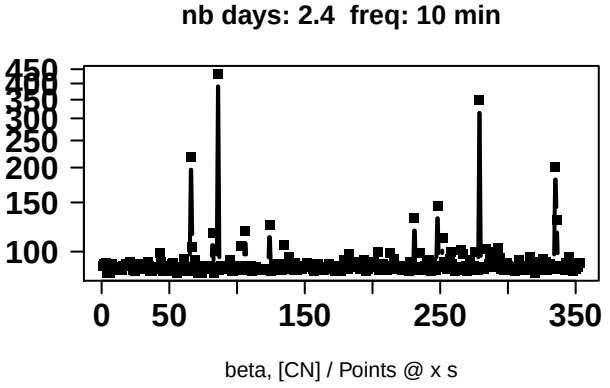

nb days: 2.4 freq: 9.6 min
200
150
100
0
100
200
300
beta, [CN] / Points @ x s

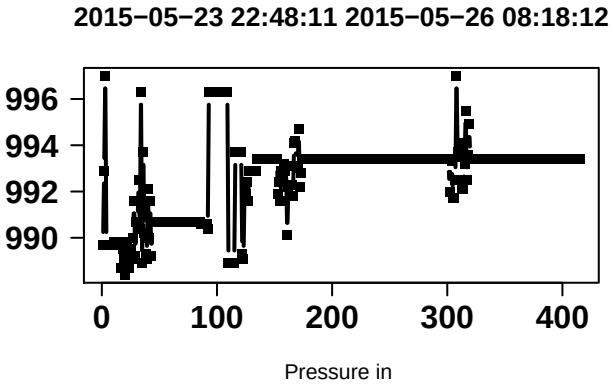

2015−05−21 00:07:46 2015−05−23 10:47:47
994
992
990
988
986
984
982
0
100
200
300
400
Pressure in

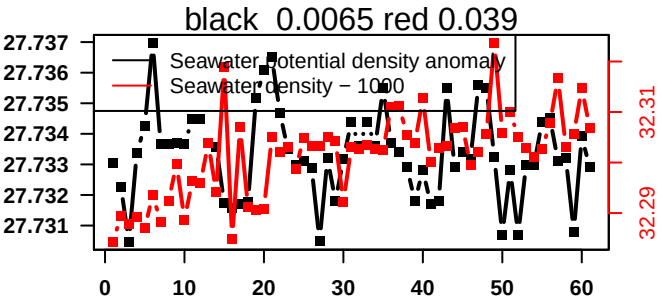

black 0.0068 red 0.055
Seawater potential density anomaly
Seawater density − 1000
27.736
27.735
27.734
27.733
27.732
27.731
27.730
32.30
32.28
32.26
0
10
20
30
40
50
60

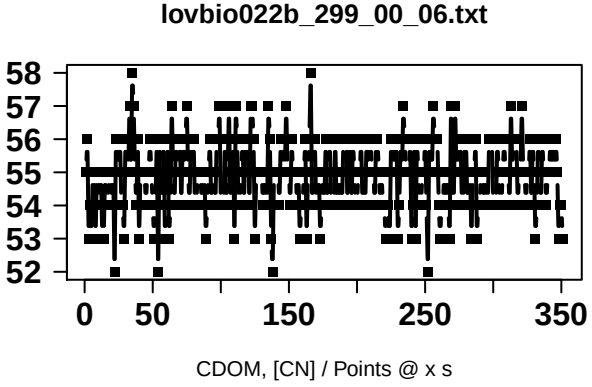

lovbio022b_298_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

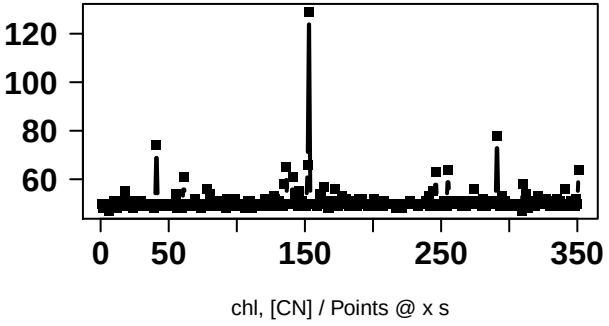

110
100
90
80
70
60
50
0
50
150
250
350
chl, [CN] / Points @ x s

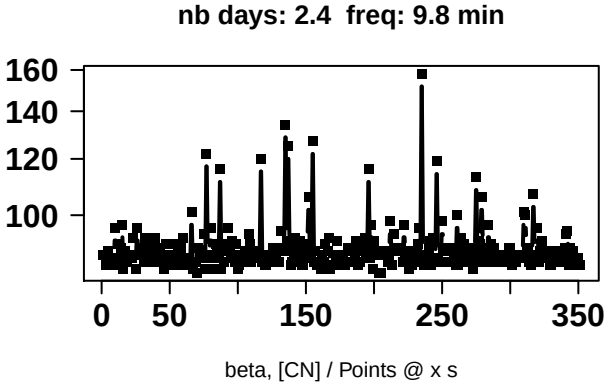

nb days: 2.4 freq: 10 min
450
400
350
300
250
200
150
100
0
50
150
250
350
beta, [CN] / Points @ x s

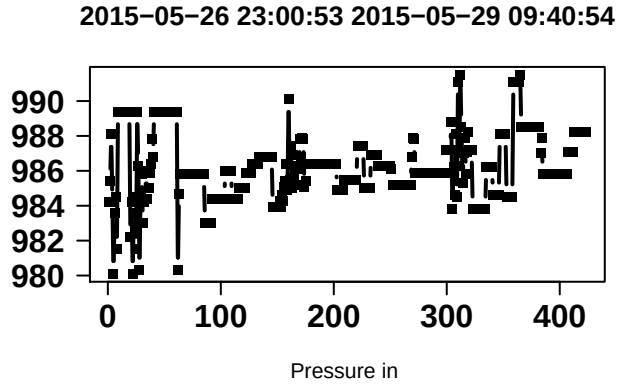

2015−05−23 22:48:11 2015−05−26 08:18:12
996
994
992
990
0
100
200
300
400
Pressure in

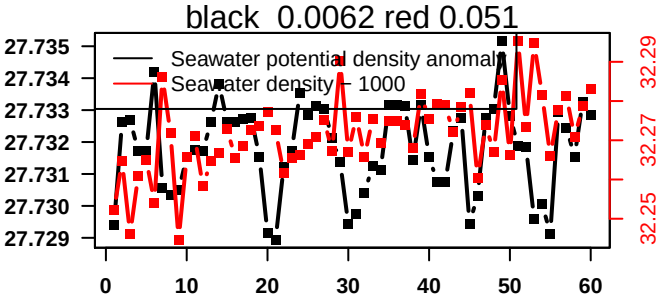

black 0.0065 red 0.039
Seawater potential density anomaly
Seawater density − 1000
27.737
27.736
27.735
27.734
27.733
27.732
27.731
32.31
32.29
0
10
20
30
40
50
60

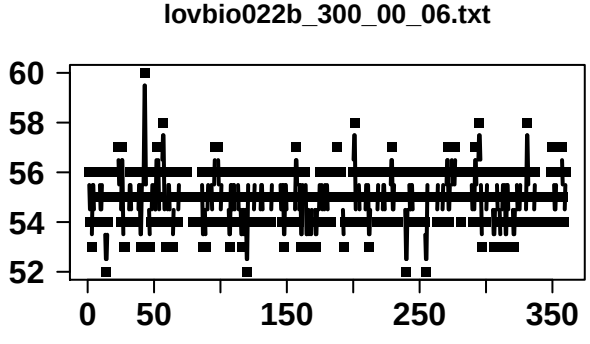

lovbio022b_299_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

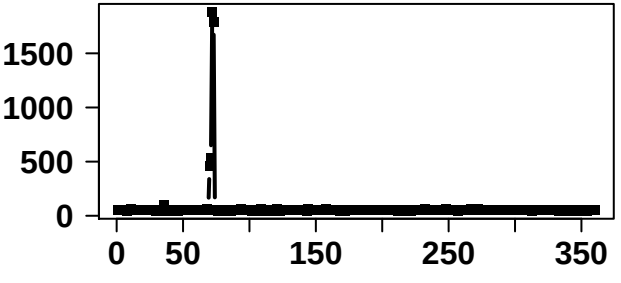

120
100
80
60
0
50
150
250
350
chl, [CN] / Points @ x s

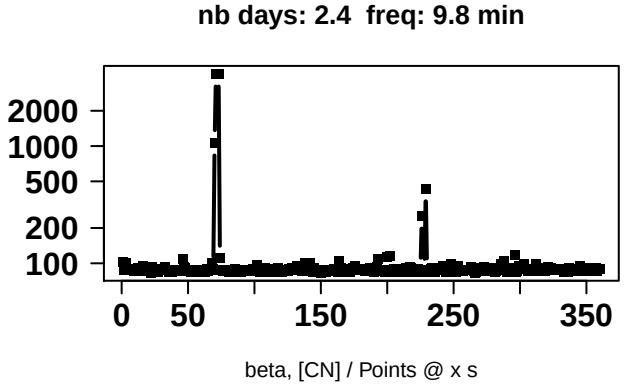

nb days: 2.4 freq: 9.8 min
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

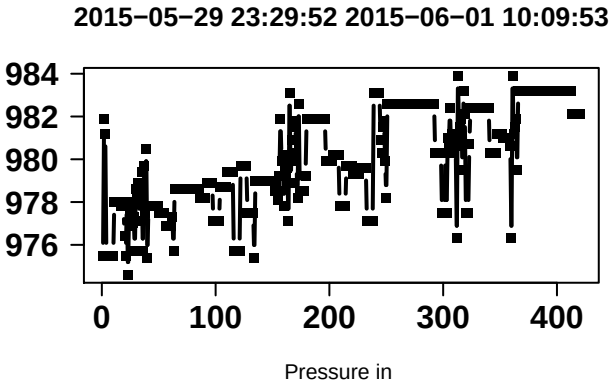

2015−05−26 23:00:53 2015−05−29 09:40:54
990
988
986
984
982
980
0
100
200
300
400
Pressure in

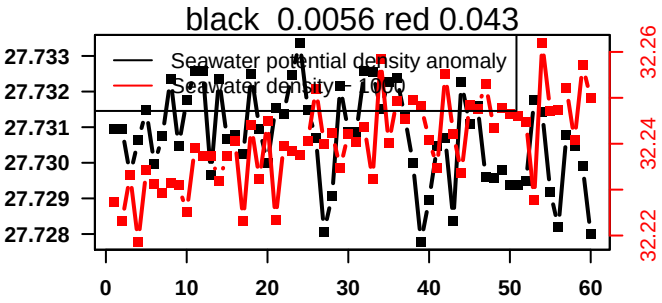

black 0.0062 red 0.051
Seawater potential density anomaly
Seawater density − 1000
27.735
27.734
27.733
27.732
27.731
27.730
27.729
32.29
32.27
32.25
0
10
20
30
40
50
60

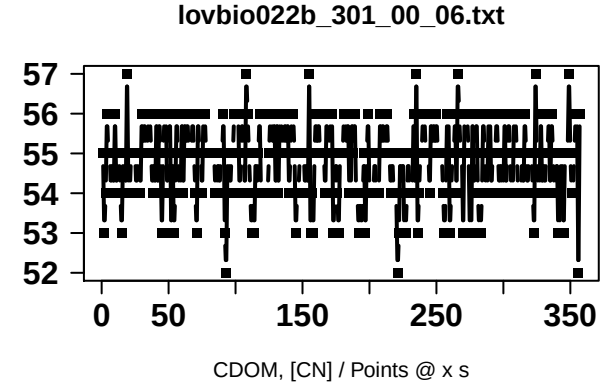

lovbio022b_300_00_06.txt
60
58
56
54
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

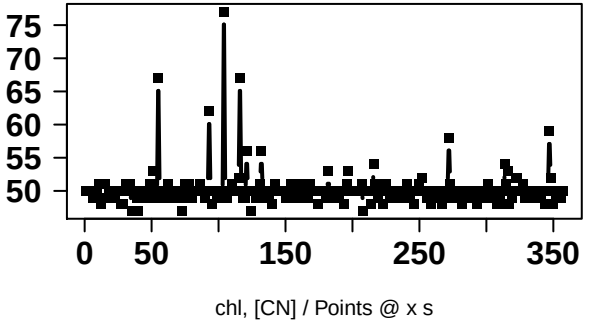

1500
1000
500
0
0
50
150
250
350
chl, [CN] / Points @ x s

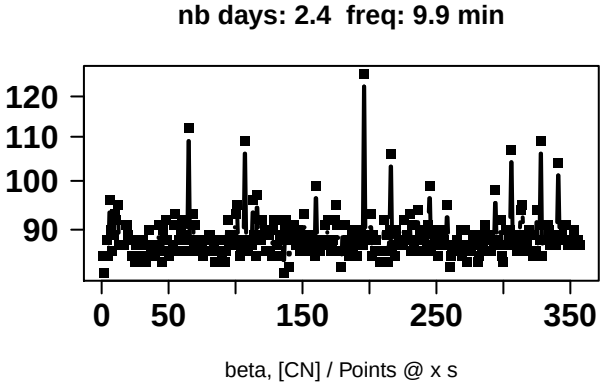

nb days: 2.4 freq: 9.8 min
2000
1000
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

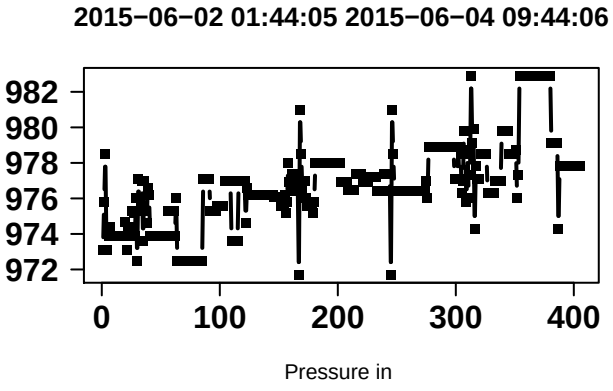

2015−05−29 23:29:52 2015−06−01 10:09:53
984
982
980
978
976
0
100
200
300
400
Pressure in

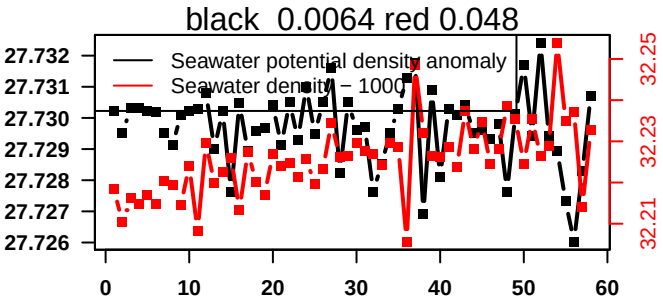

black 0.0056 red 0.043
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
32.26
32.24
32.22
0
10
20
30
40
50
60

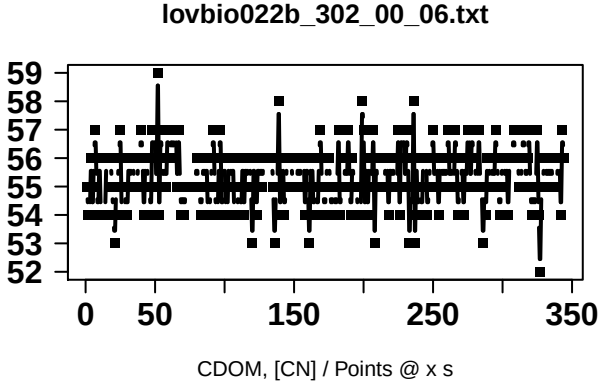

lovbio022b_301_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

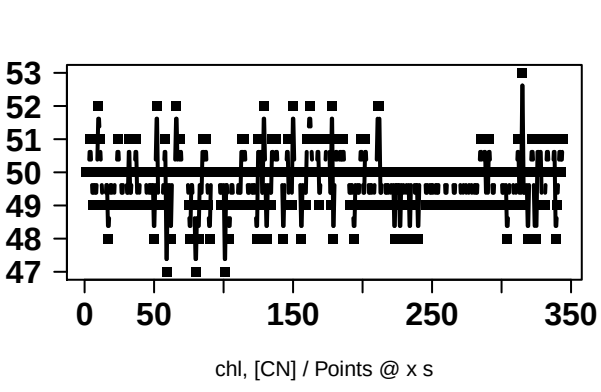

75
70
65
60
55
50
0
50
150
250
350
chl, [CN] / Points @ x s

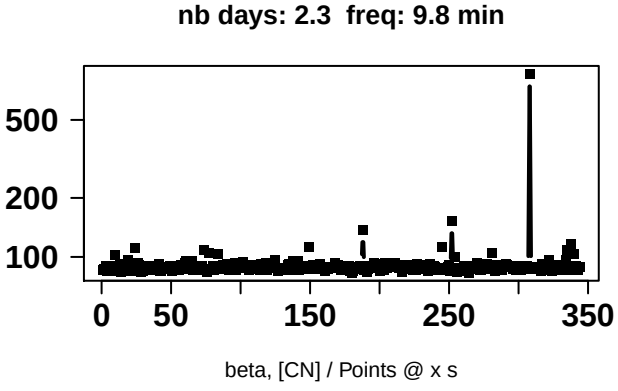

nb days: 2.4 freq: 9.9 min
120
110
100
90
0
50
150
250
350
beta, [CN] / Points @ x s

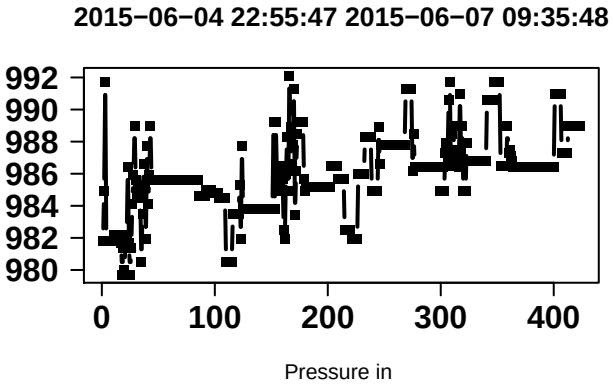

2015−06−02 01:44:05 2015−06−04 09:44:06
982
980
978
976
974
972
0
100
200
300
400
Pressure in

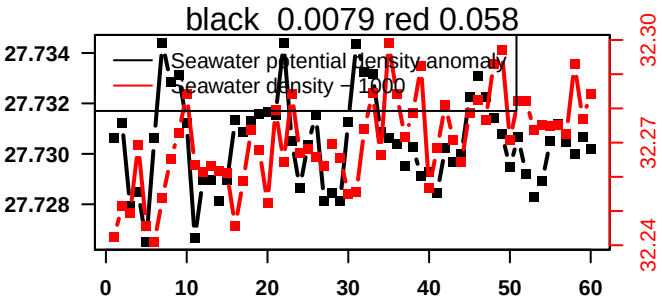

black 0.0064 red 0.048
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
27.728
27.727
27.726
32.25
32.23
32.21
0
10
20
30
40
50
60

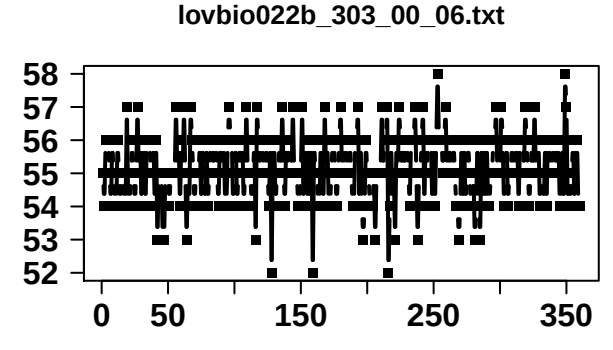

lovbio022b_302_00_06.txt
59
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

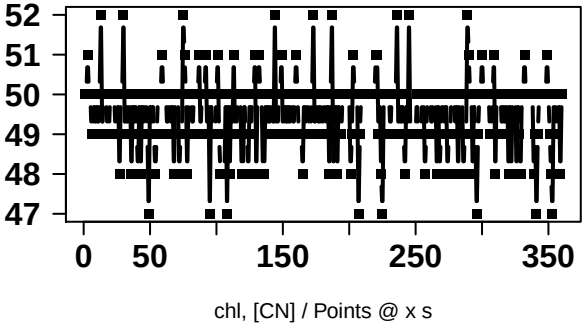

53
52
51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

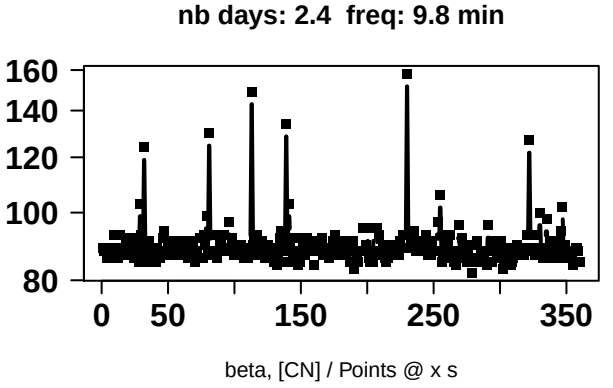

nb days: 2.3 freq: 9.8 min
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

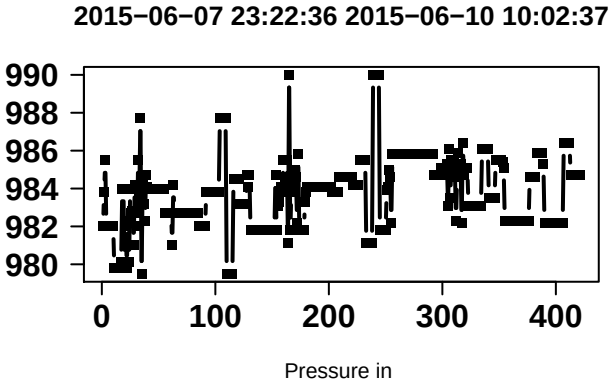

2015−06−04 22:55:47 2015−06−07 09:35:48
992
990
988
986
984
982
980
0
100
200
300
400
Pressure in

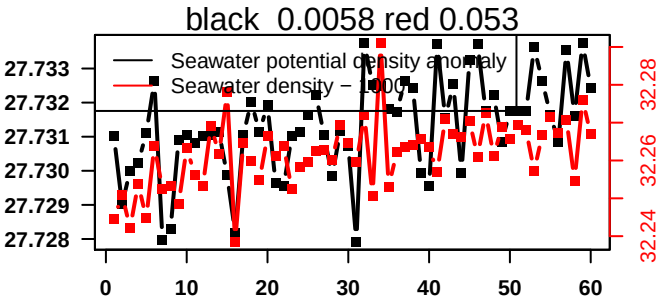

black 0.0079 red 0.058
27.734
27.732
27.730
27.728
Seawater potential density anomaly
Seawater density − 1000
32.30
32.27
32.24
0
10
20
30
40
50
60

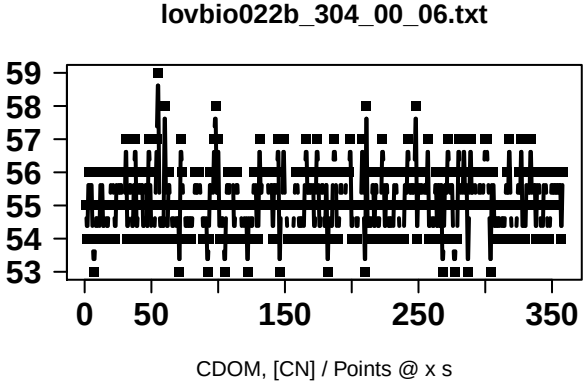

lovbio022b_303_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

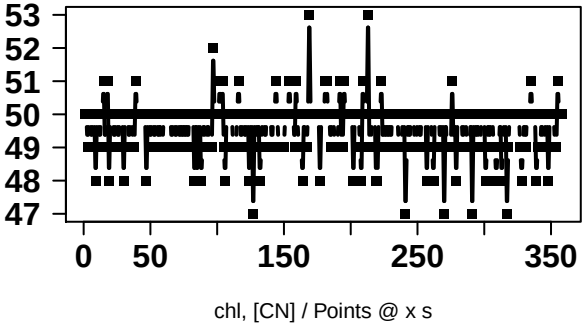

52
51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

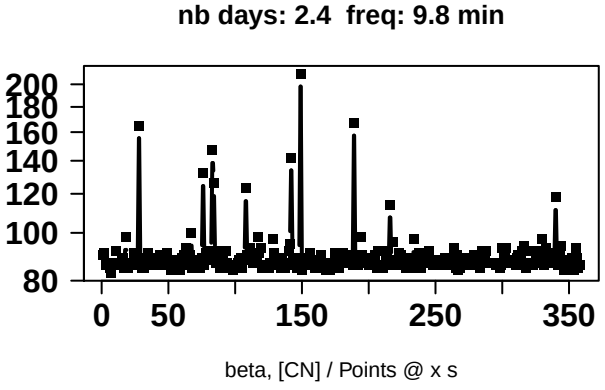

nb days: 2.4 freq: 9.8 min
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

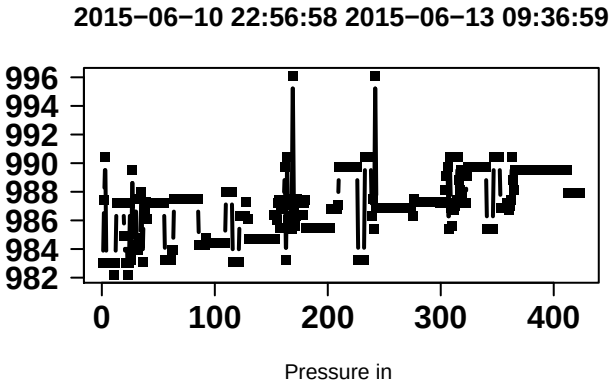

2015−06−07 23:22:36 2015−06−10 10:02:37
990
988
986
984
982
980
0
100
200
300
400
Pressure in

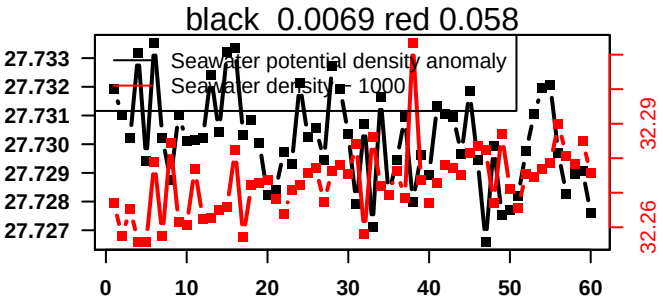

black 0.0058 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
32.28
32.26
32.24
0
10
20
30
40
50
60

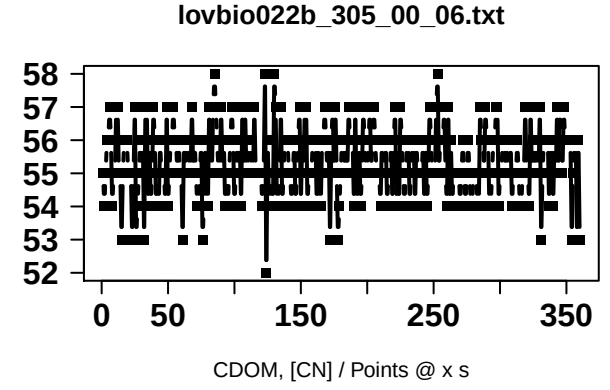

lovbio022b_304_00_06.txt
59
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

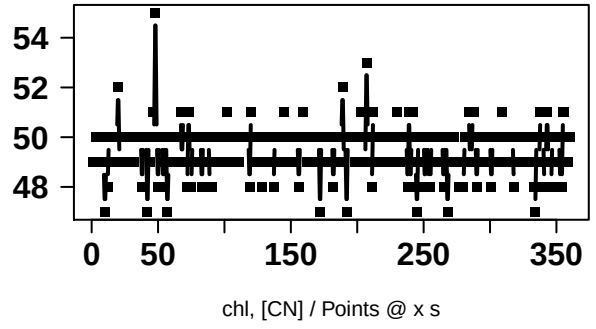

53
52
51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

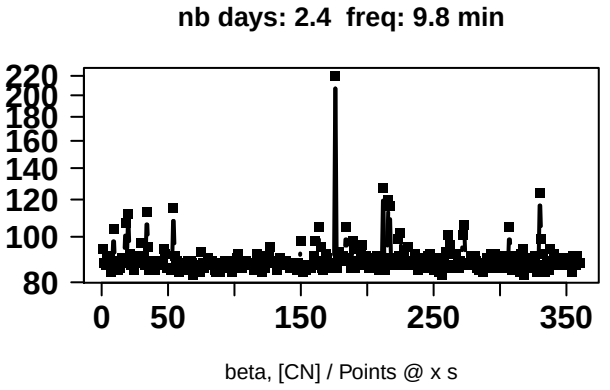

nb days: 2.4 freq: 9.8 min
200
180
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

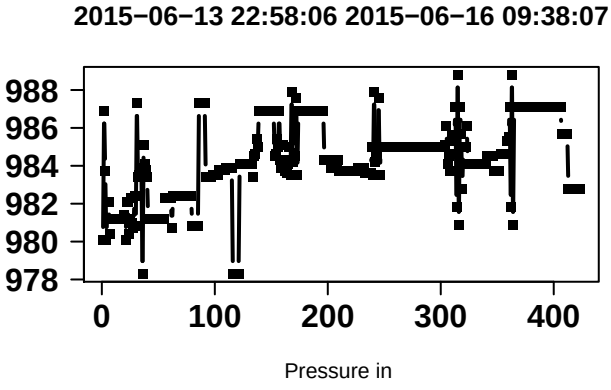

2015−06−10 22:56:58 2015−06−13 09:36:59
996
994
992
990
988
986
984
982
0
100
200
300
400
Pressure in

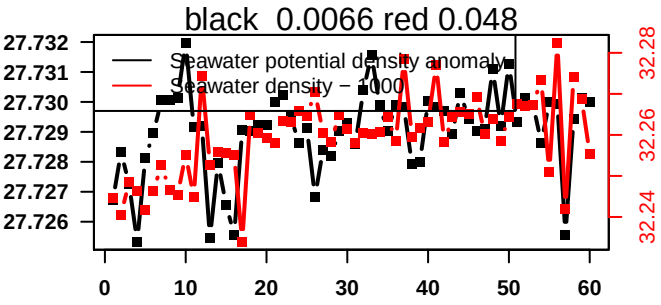

black 0.0069 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
27.727
32.29
32.26
0
10
20
30
40
50
60

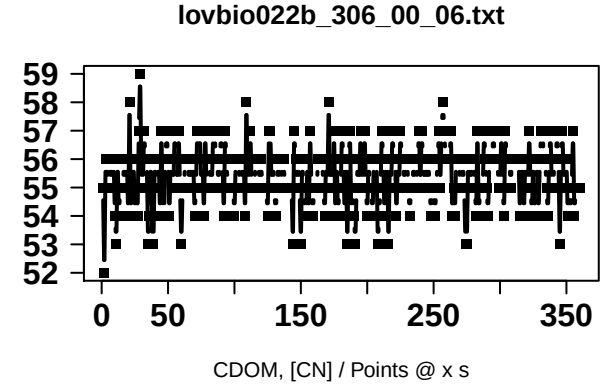

lovbio022b_305_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

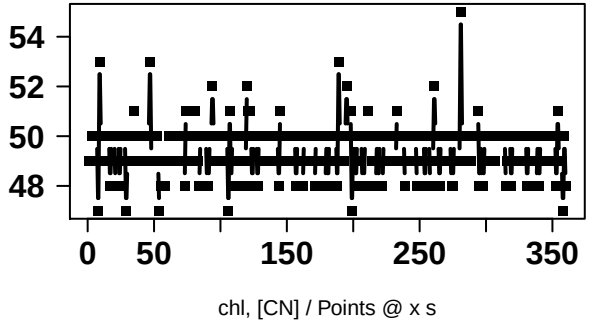

54
52
50
48
0
50
150
250
350
chl, [CN] / Points @ x s

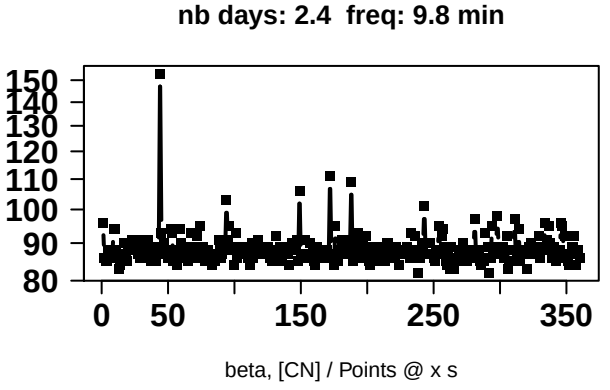

nb days: 2.4 freq: 9.8 min
220
200
180
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

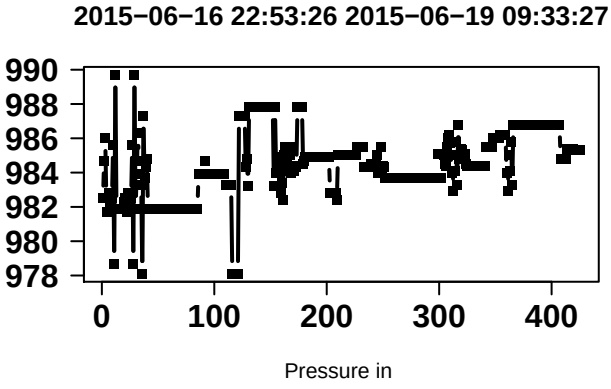

2015−06−13 22:58:06 2015−06−16 09:38:07
988
986
984
982
980
978
0
100
200
300
400
Pressure in

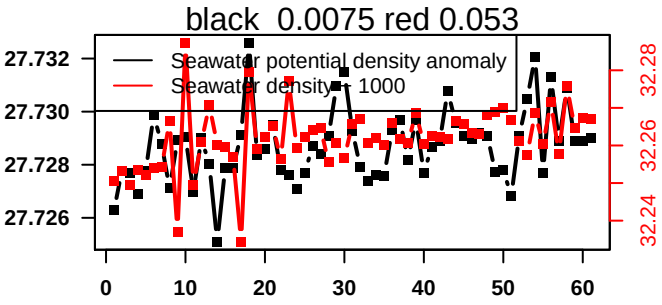

black 0.0066 red 0.048
Seawater potential density anomaly
Seawater density − 1000
27.732
27.731
27.730
27.729
27.728
27.727
27.726
32.28
32.26
32.24
0
10
20
30
40
50
60

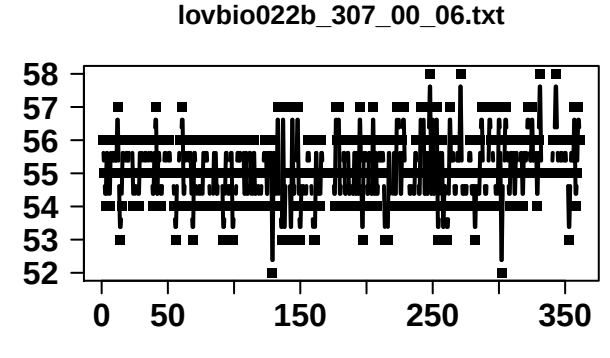

lovbio022b_306_00_06.txt
59
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

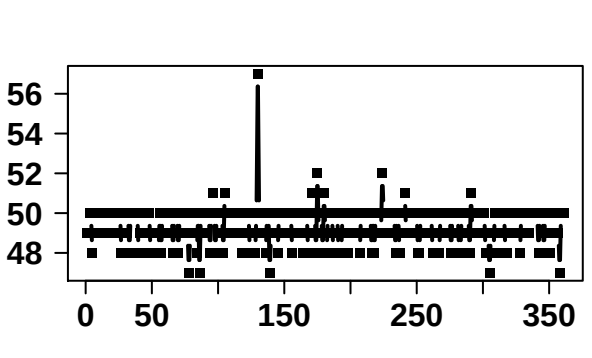

54
52
50
48
0
50
150
250
350
chl, [CN] / Points @ x s

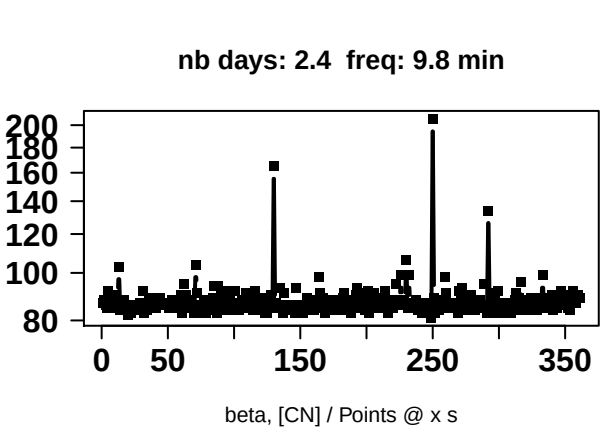

nb days: 2.4 freq: 9.8 min
150
140
130
120
110
100
90
80
0
50
150
250
350
beta, [CN] / Points @ x s

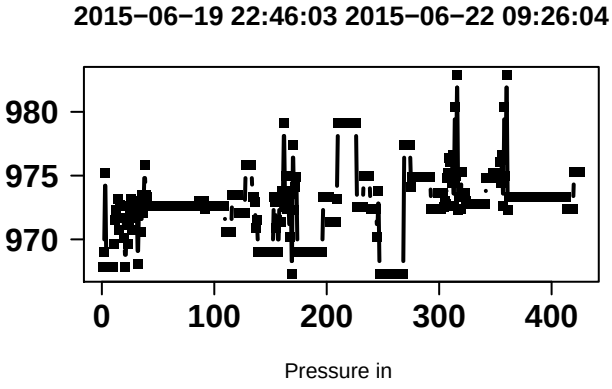

2015−06−16 22:53:26 2015−06−19 09:33:27
990
988
986
984
982
980
978
0
100
200
300
400
Pressure in

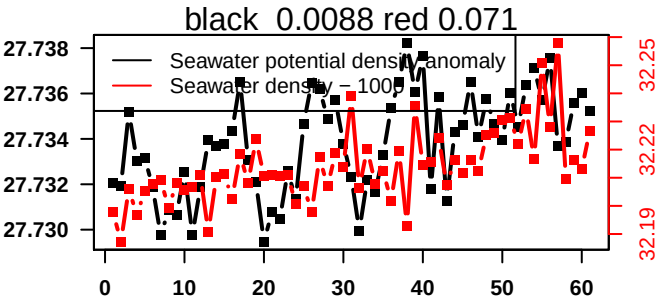

black 0.0075 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.28
32.26
32.24
0
10
20
30
40
50
60

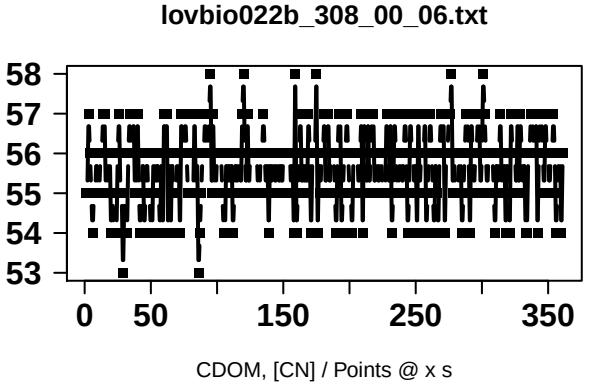

lovbio022b_307_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

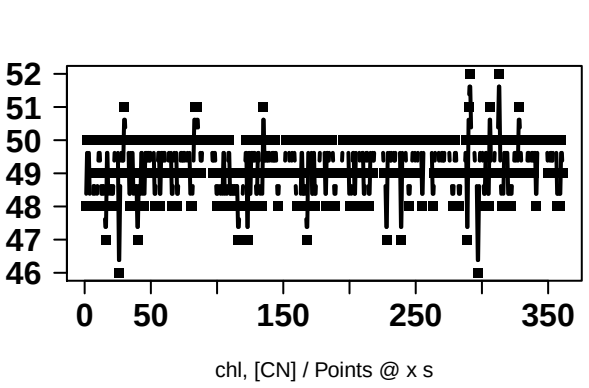

56
54
52
50
48
0
50
150
250
350
chl, [CN] / Points @ x s

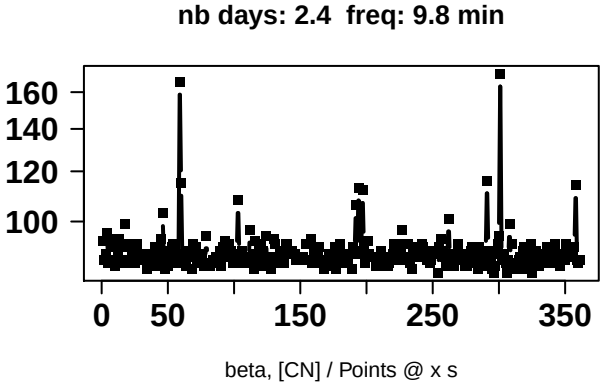

nb days: 2.4 freq: 9.8 min
200
180
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

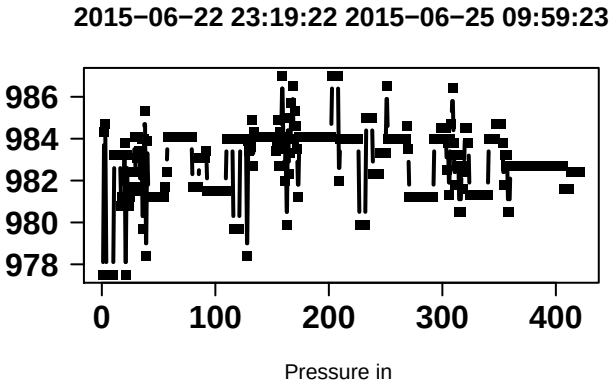

2015−06−19 22:46:03 2015−06−22 09:26:04
980
975
970
0
100
200
300
400
Pressure in

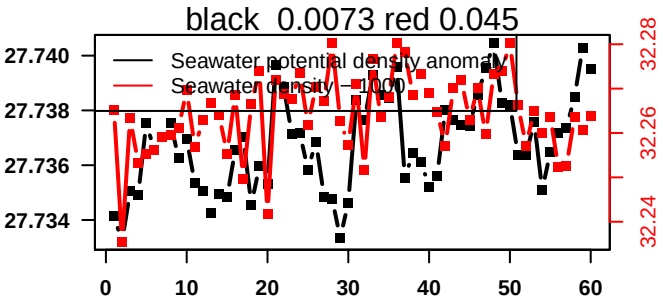

black 0.0088 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.25
32.22
32.19
0
10
20
30
40
50
60

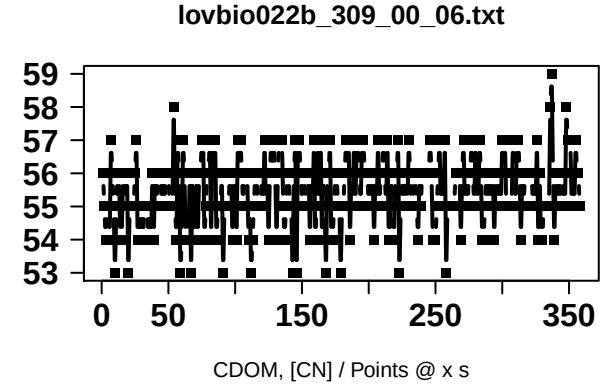

lovbio022b_308_00_06.txt
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

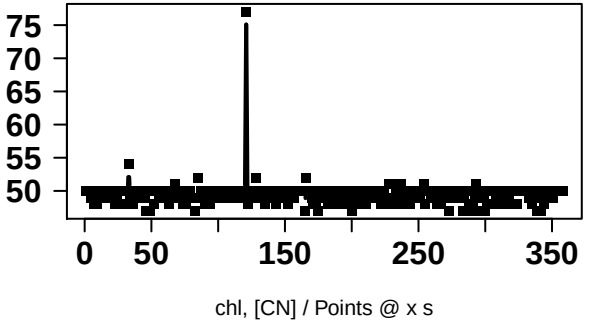

52
51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

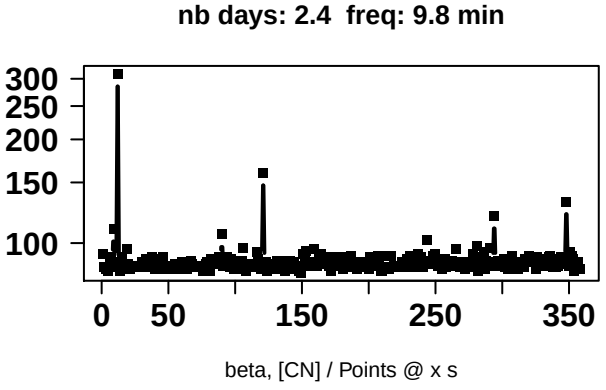

nb days: 2.4 freq: 9.8 min
160
140
120
100
0
50
150
250
350
beta, [CN] / Points @ x s

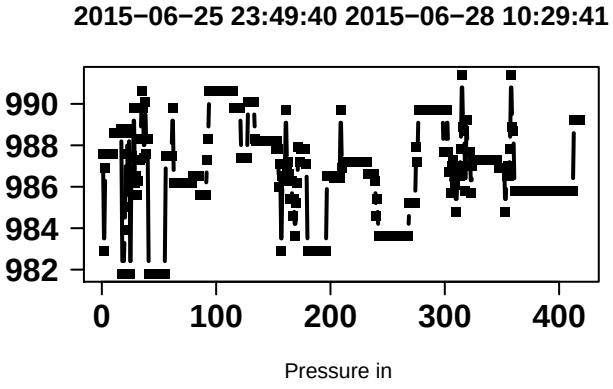

2015−06−22 23:19:22 2015−06−25 09:59:23
986
984
982
980
978
0
100
200
300
400
Pressure in

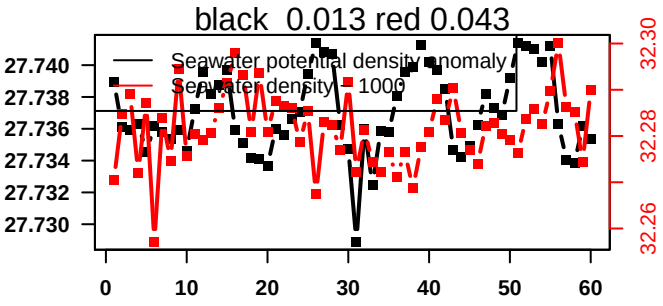

black 0.0073 red 0.045
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
32.28
32.26
32.24
0
10
20
30
40
50
60

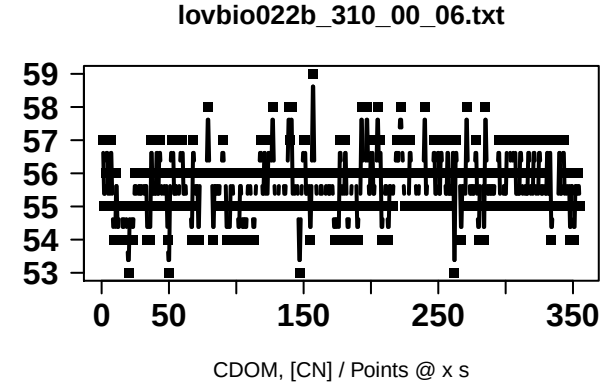

lovbio022b_309_00_06.txt
59
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

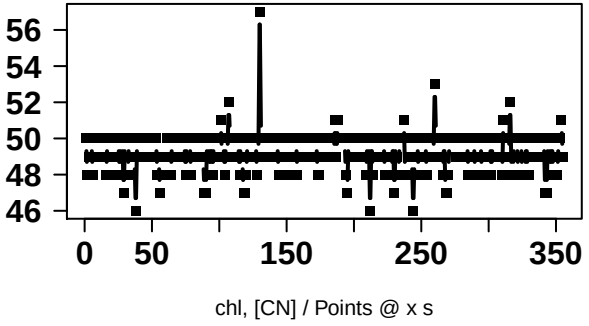

75
70
65
60
55
50
0
50
150
250
350
chl, [CN] / Points @ x s

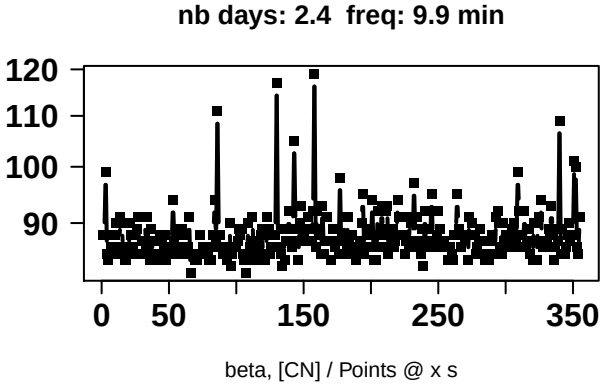

nb days: 2.4 freq: 9.8 min
300
250
200
150
100
0
50
150
250
350
beta, [CN] / Points @ x s

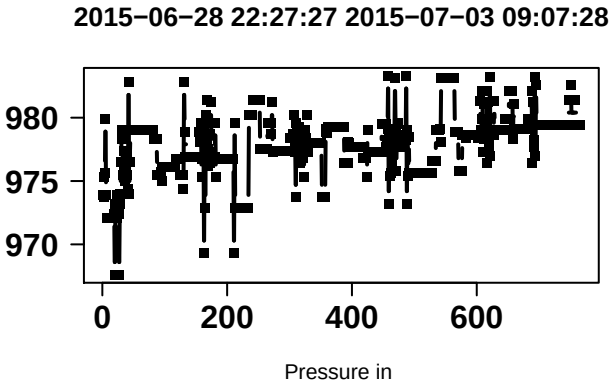

2015−06−25 23:49:40 2015−06−28 10:29:41
990
988
986
984
982
0
100
200
300
400
Pressure in

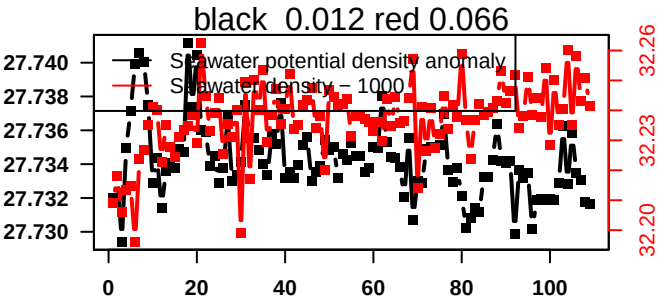

black 0.013 red 0.043
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
27.730
32.30
32.28
32.26
0
10
20
30
40
50
60

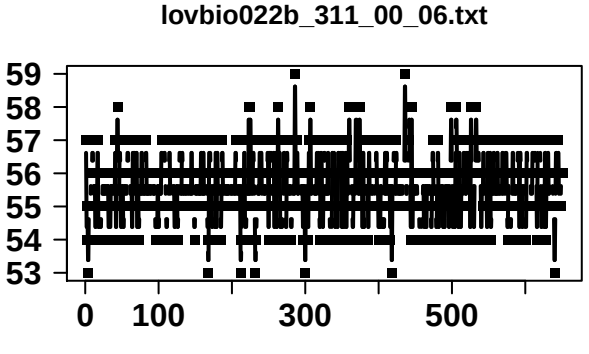

lovbio022b_310_00_06.txt
59
58
57
56
55
54
53
0
50
150
250
350
CDOM, [CN] / Points @ x s

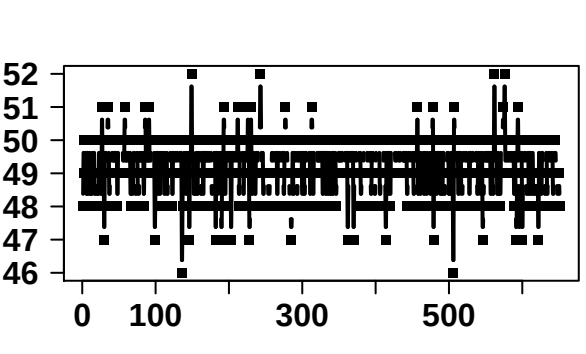

56
54
52
50
48
46
0
50
150
250
350
chl, [CN] / Points @ x s

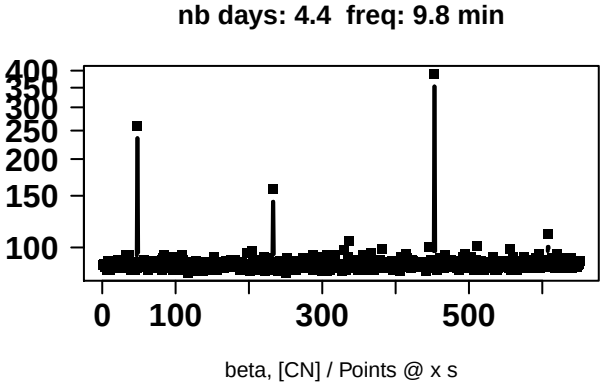

nb days: 2.4 freq: 9.9 min
120
110
100
90
0
50
150
250
350
beta, [CN] / Points @ x s

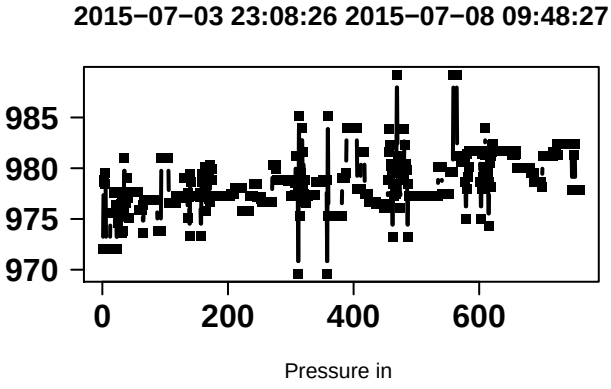

2015−06−28 22:27:27 2015−07−03 09:07:28
980
975
970
0
200
400
600
Pressure in

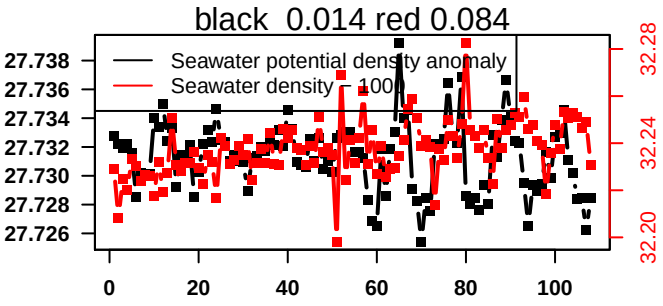

black 0.012 red 0.066
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
27.730
32.26
32.23
32.20
0
20
40
60
80
100

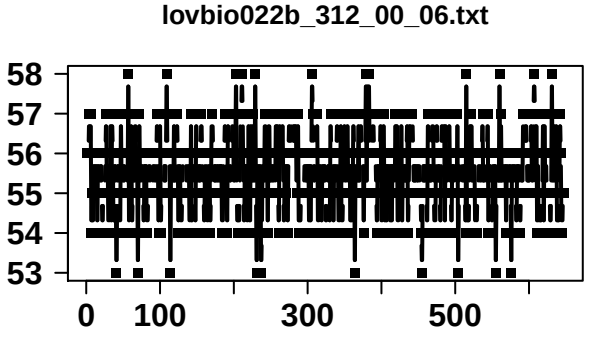

lovbio022b_311_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

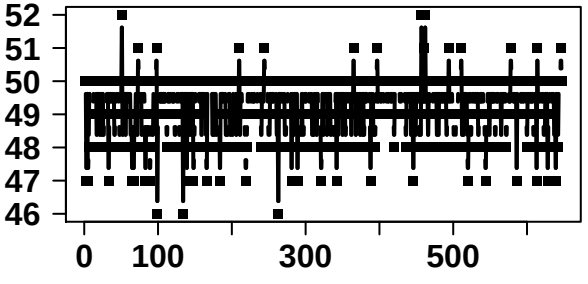

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

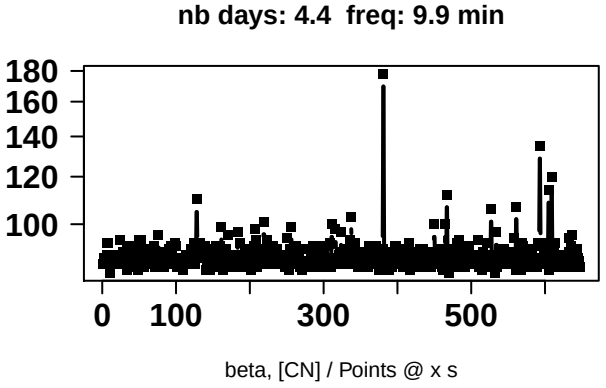

nb days: 4.4 freq: 9.8 min
400
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

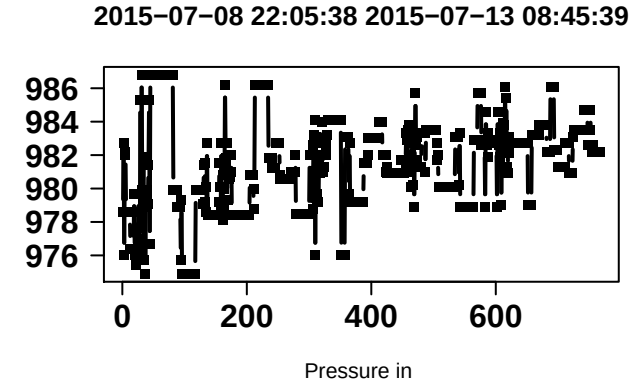

2015−07−03 23:08:26 2015−07−08 09:48:27
985
980
975
970
0
200
400
600
Pressure in

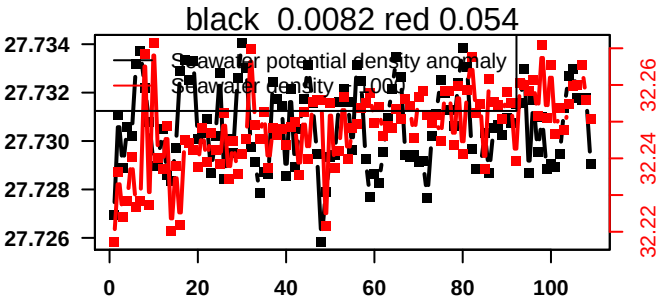

black 0.014 red 0.084
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
27.728
27.726
32.28
32.24
32.20
0
20
40
60
80
100

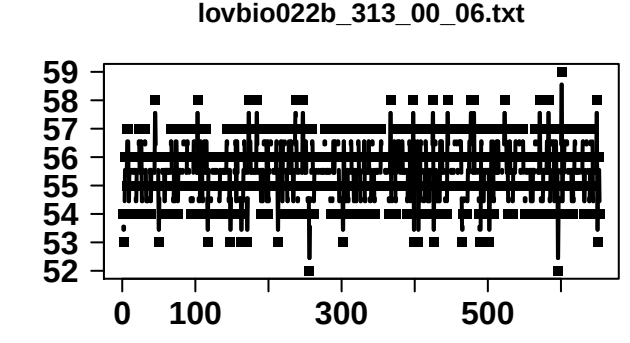

lovbio022b_312_00_06.txt
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

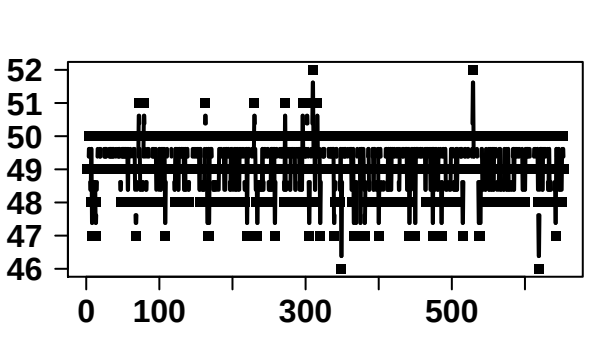

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

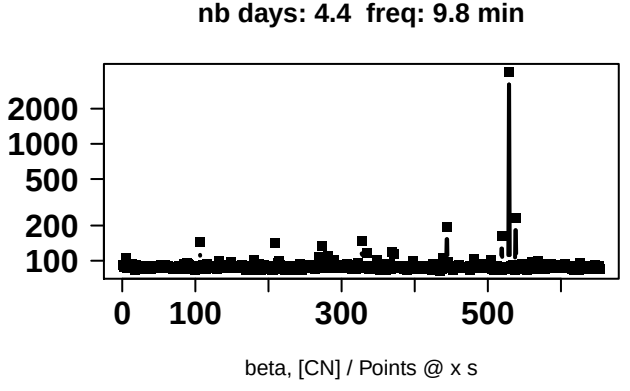

nb days: 4.4 freq: 9.9 min
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

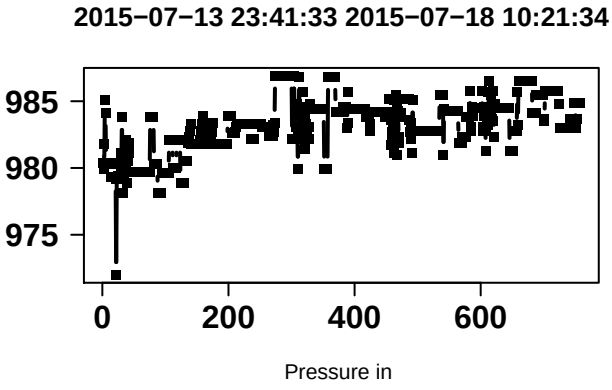

2015−07−08 22:05:38 2015−07−13 08:45:39
986
984
982
980
978
976
0
200
400
600
Pressure in

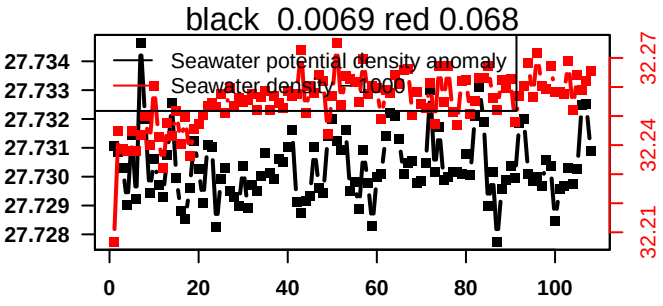

black 0.0082 red 0.054
Seawater potential density anomaly
Seawater density − 1000
27.734
27.732
27.730
27.728
27.726
32.26
32.24
32.22
0
20
40
60
80
100

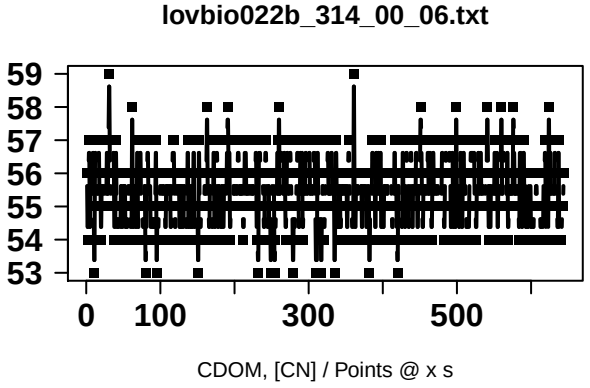

lovbio022b_313_00_06.txt
59
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

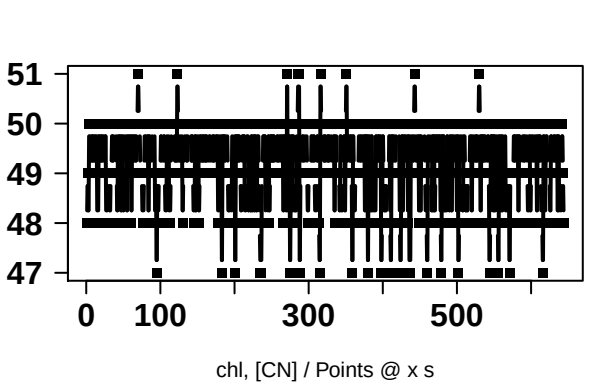

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

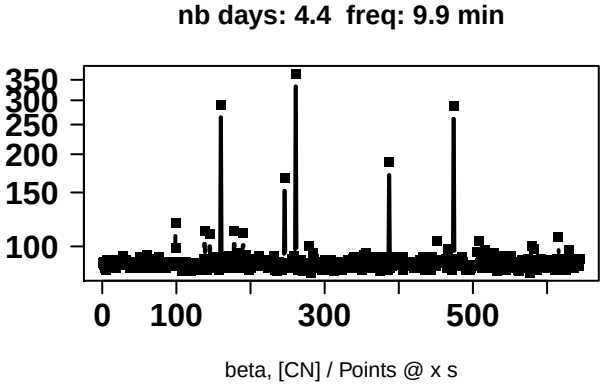

nb days: 4.4 freq: 9.8 min
2000
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

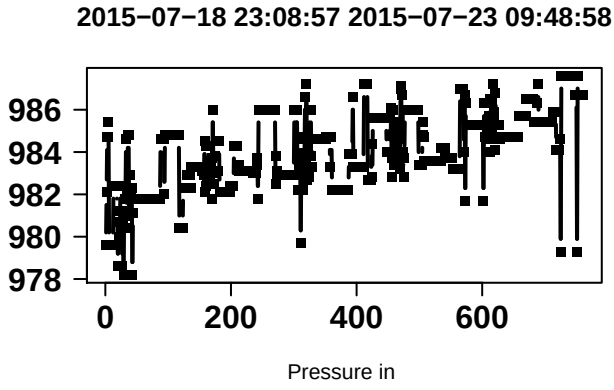

2015−07−13 23:41:33 2015−07−18 10:21:34
985
980
975
0
200
400
600
Pressure in

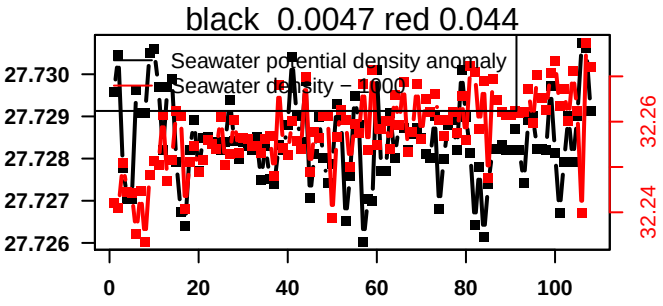

black 0.0069 red 0.068
27.734
27.733
27.732
27.731
27.730
27.729
27.728
Seawater potential density anomaly
Seawater density − 1000
32.27
32.24
32.21
0
20
40
60
80
100

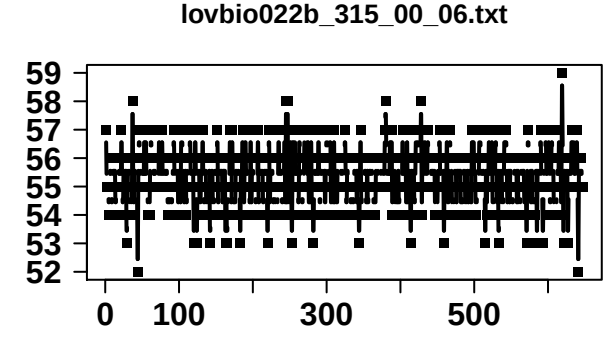

lovbio022b_314_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

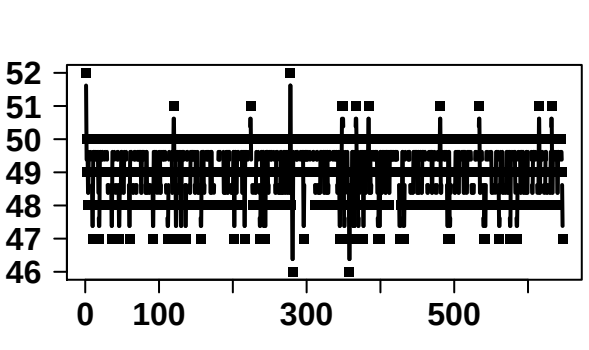

51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

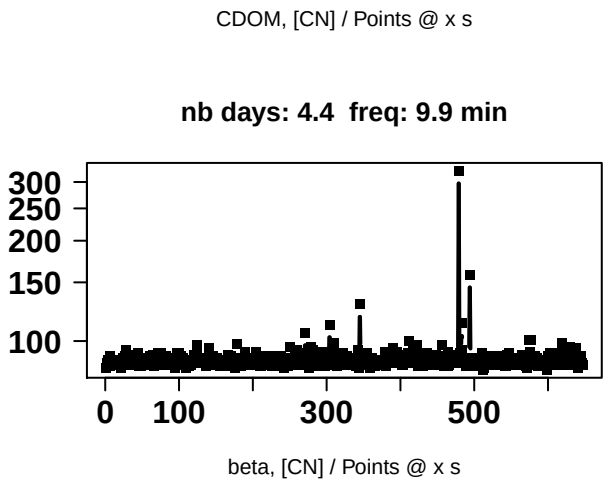

nb days: 4.4 freq: 9.9 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

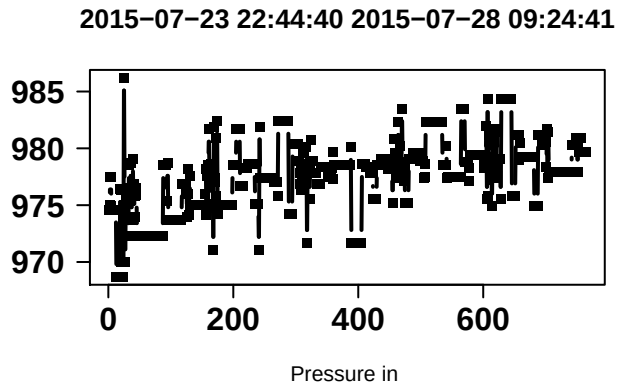

2015−07−18 23:08:57 2015−07−23 09:48:58
986
984
982
980
978
0
200
400
600
Pressure in

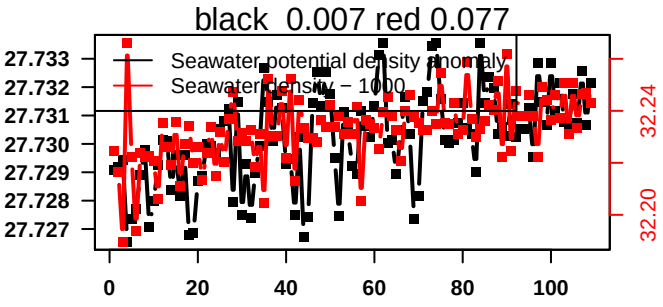

black 0.0047 red 0.044
Seawater potential density anomaly
Seawater density − 1000
27.730
27.729
27.728
27.727
27.726
32.26
32.24
0
20
40
60
80
100

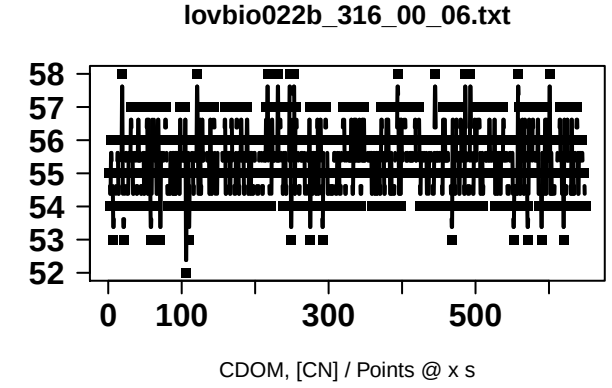

lovbio022b_315_00_06.txt
59
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

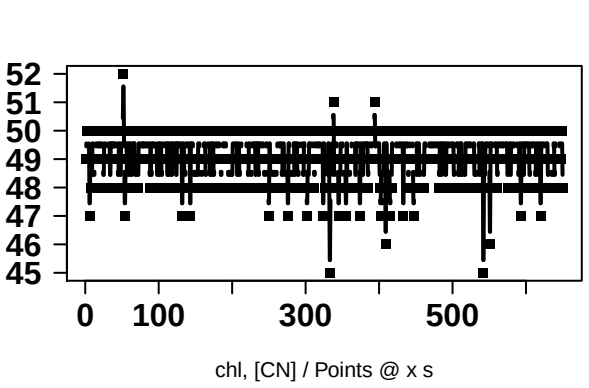

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

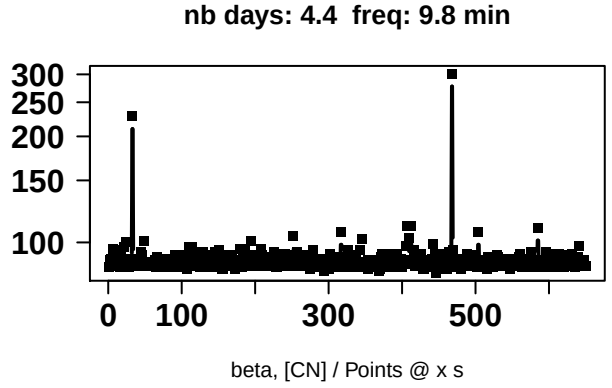

nb days: 4.4 freq: 9.9 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

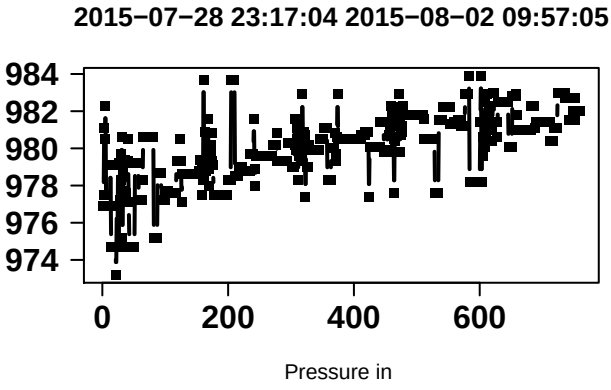

2015−07−23 22:44:40 2015−07−28 09:24:41
985
980
975
970
0
200
400
600
Pressure in

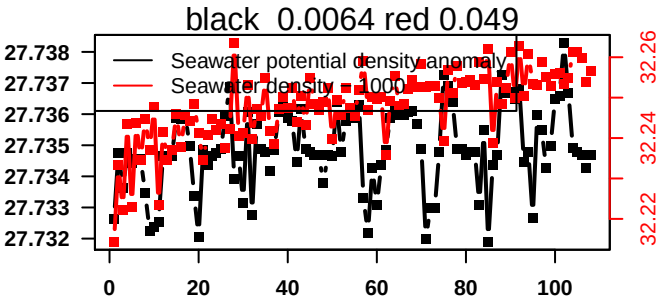

black 0.007 red 0.077
Seawater potential density anomaly
Seawater density − 1000
27.733
27.732
27.731
27.730
27.729
27.728
27.727
32.24
32.20
0
20
40
60
80
100

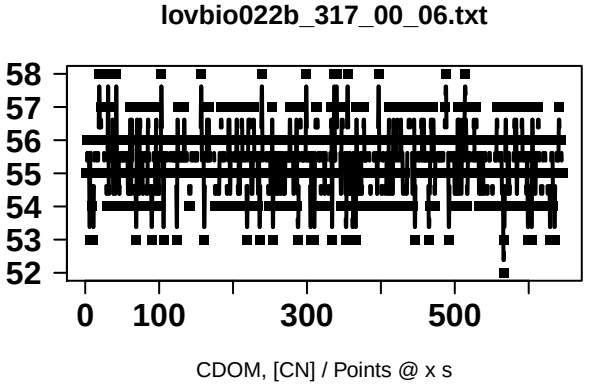

lovbio022b_316_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

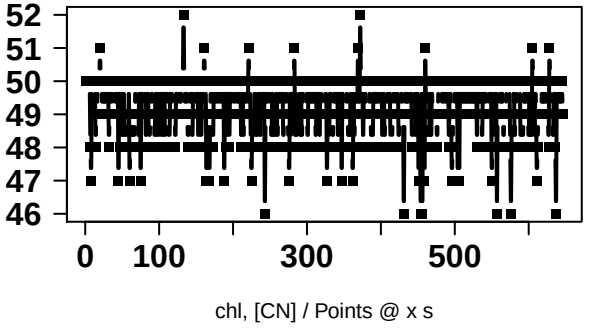

52
51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s

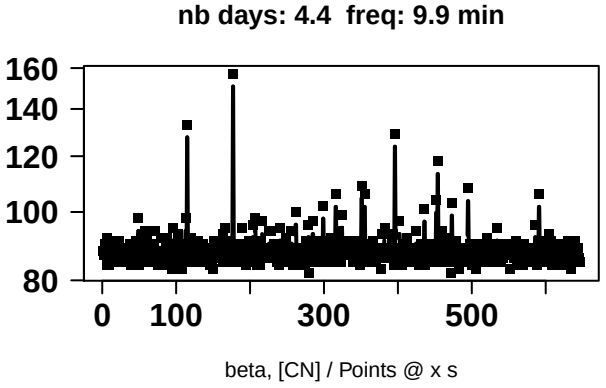

nb days: 4.4 freq: 9.8 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

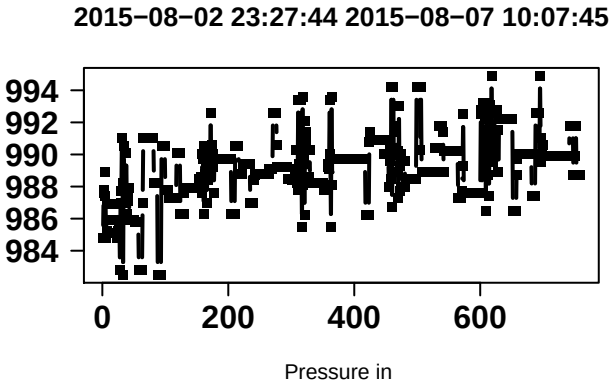

2015−07−28 23:17:04 2015−08−02 09:57:05
984
982
980
978
976
974
0
200
400
600
Pressure in

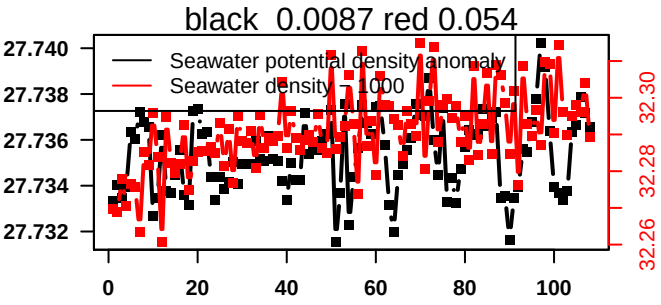

black 0.0064 red 0.049
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
27.732
32.26
32.24
32.22
0
20
40
60
80
100

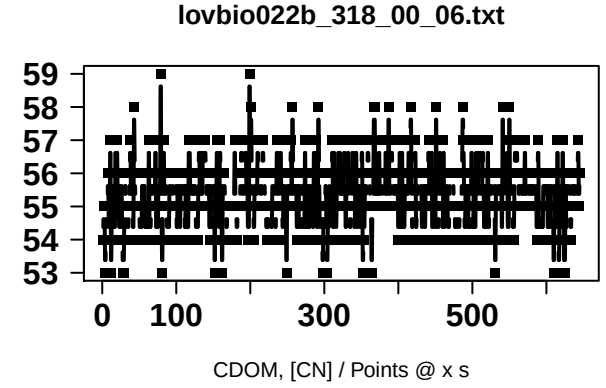

lovbio022b_317_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

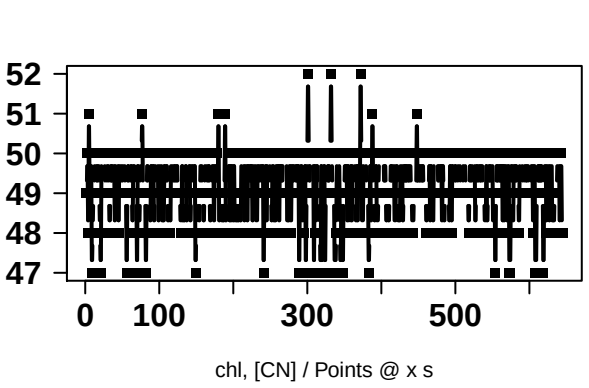

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

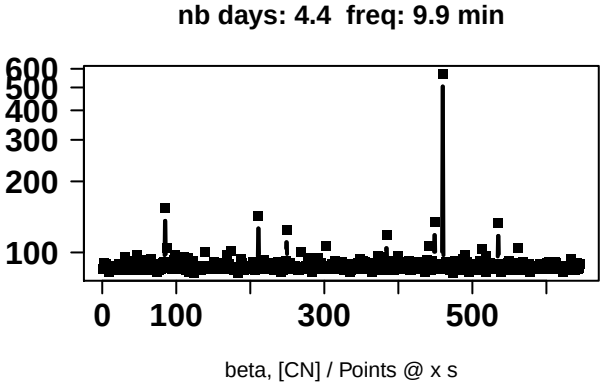

nb days: 4.4 freq: 9.9 min
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

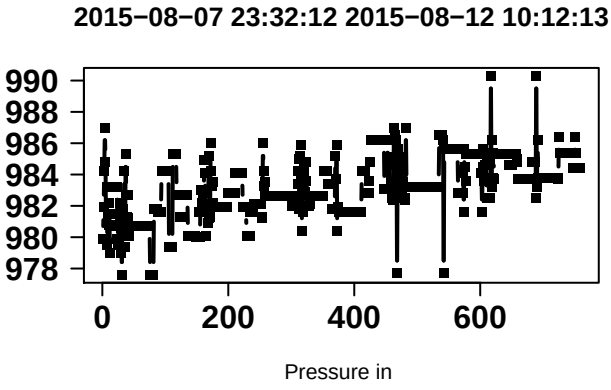

2015−08−02 23:27:44 2015−08−07 10:07:45
994
992
990
988
986
984
0
200
400
600
Pressure in

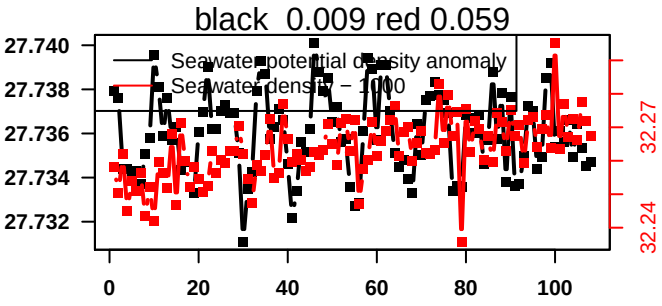

black 0.0087 red 0.054
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.30
32.28
32.26
0
20
40
60
80
100

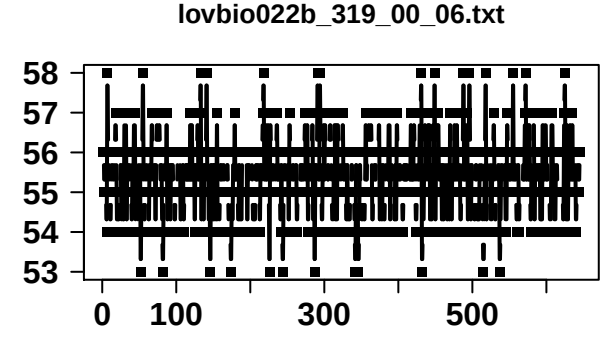

lovbio022b_318_00_06.txt
59
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

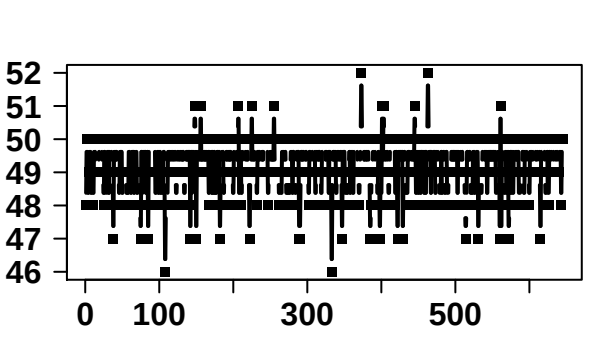

52
51
50
49
48
47
0
100
300
500
chl, [CN] / Points @ x s

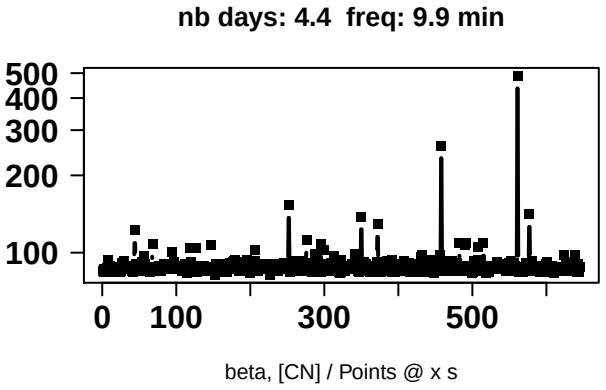

nb days: 4.4 freq: 9.9 min
600
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

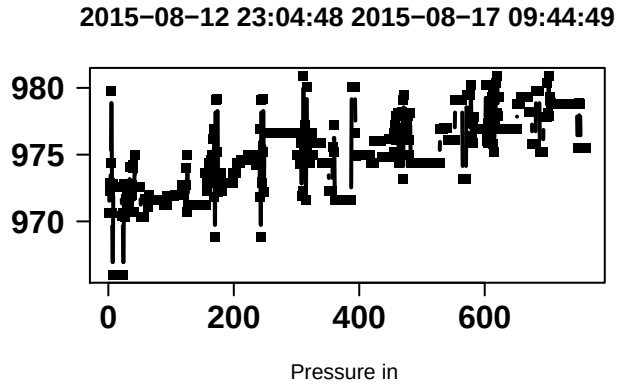

2015−08−07 23:32:12 2015−08−12 10:12:13
990
988
986
984
982
980
978
0
200
400
600
Pressure in

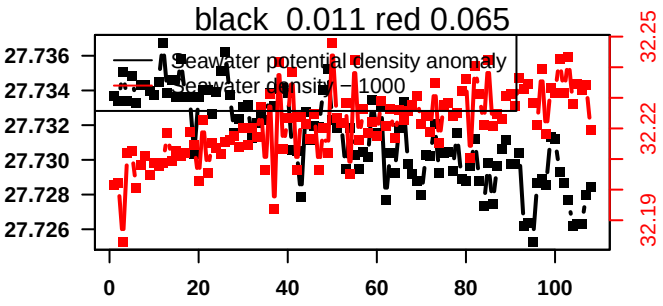

black 0.009 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.27
32.24
0
20
40
60
80
100

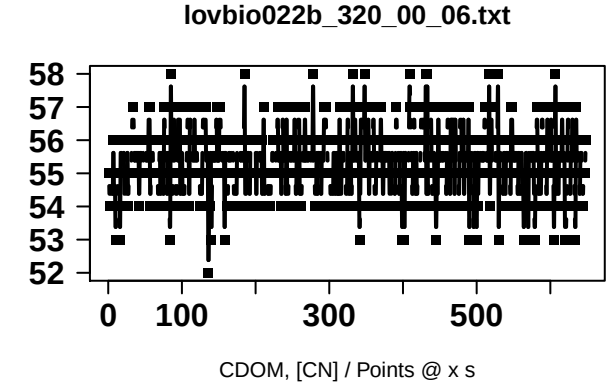

lovbio022b_319_00_06.txt
58
57
56
55
54
53
0
100
300
500
CDOM, [CN] / Points @ x s

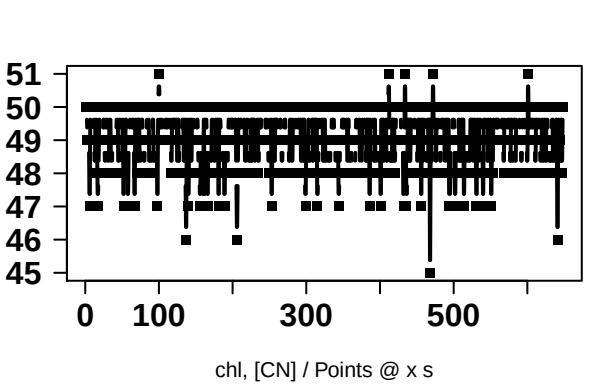

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

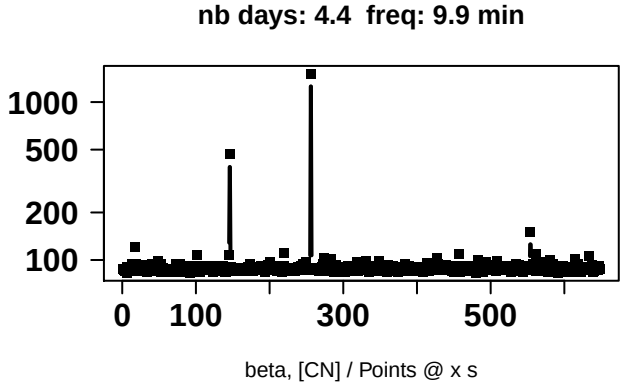

nb days: 4.4 freq: 9.9 min
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

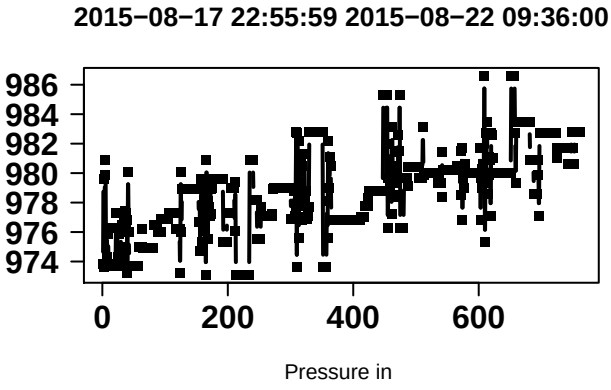

2015−08−12 23:04:48 2015−08−17 09:44:49
980
975
970
0
200
400
600
Pressure in

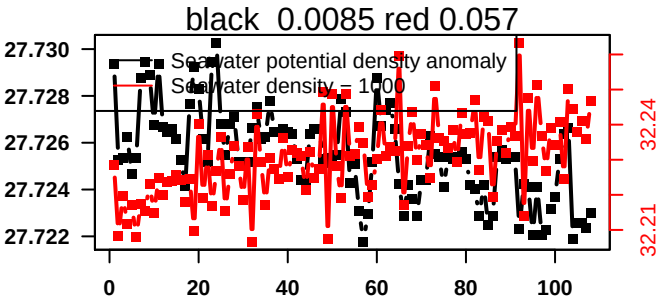

black 0.011 red 0.065
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
27.726
32.25
32.22
32.19
0
20
40
60
80
100

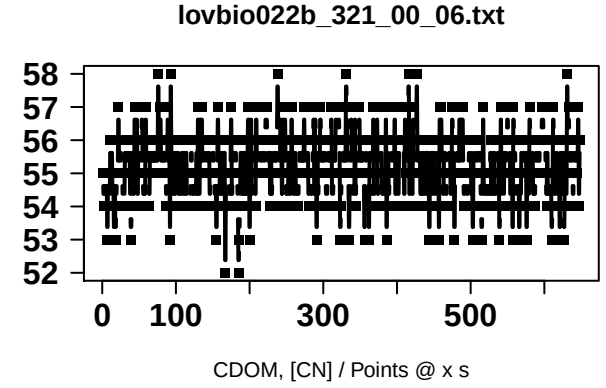

lovbio022b_320_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

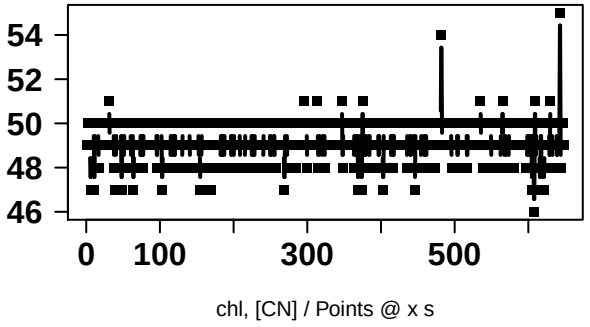

51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s

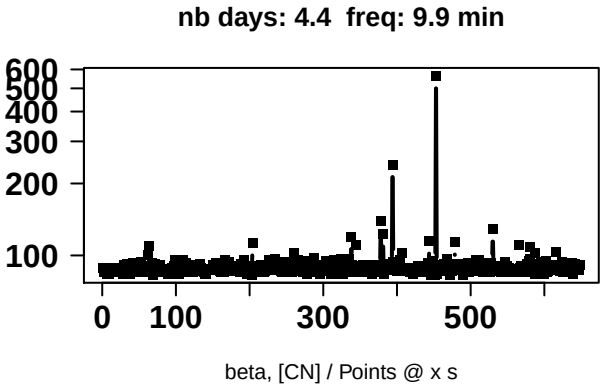

nb days: 4.4 freq: 9.9 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

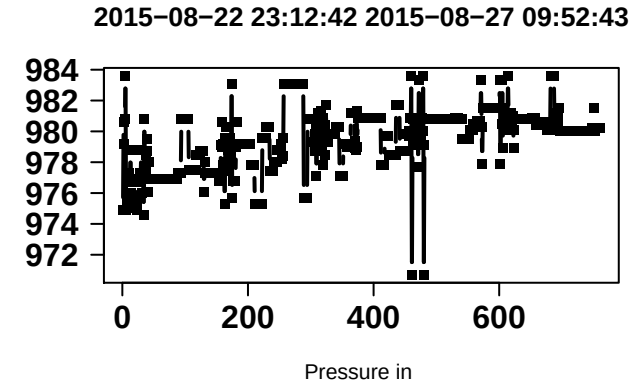

2015−08−17 22:55:59 2015−08−22 09:36:00
986
984
982
980
978
976
974
0
200
400
600
Pressure in

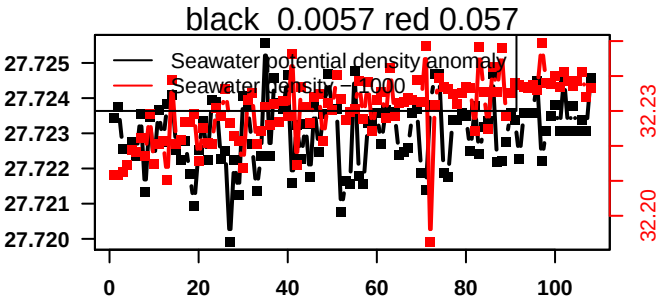

black 0.0085 red 0.057
Seawater potential density anomaly
Seawater density − 1000
27.730
27.728
27.726
27.724
27.722
32.24
32.21
0
20
40
60
80
100

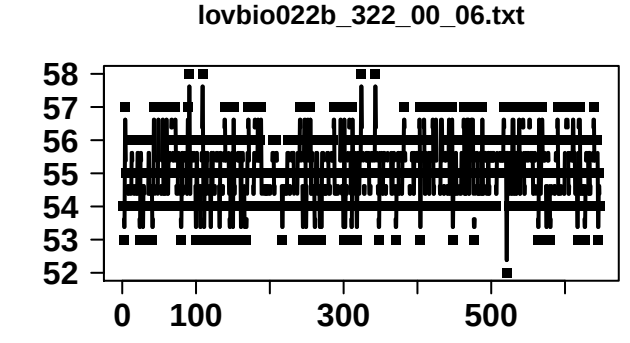

lovbio022b_321_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

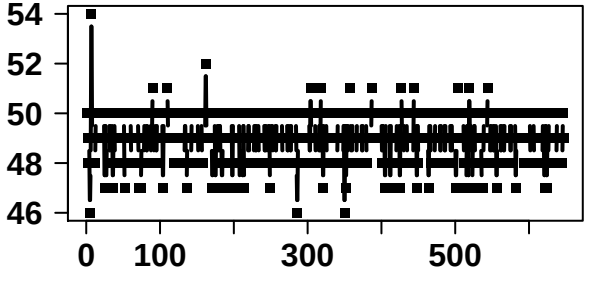

54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

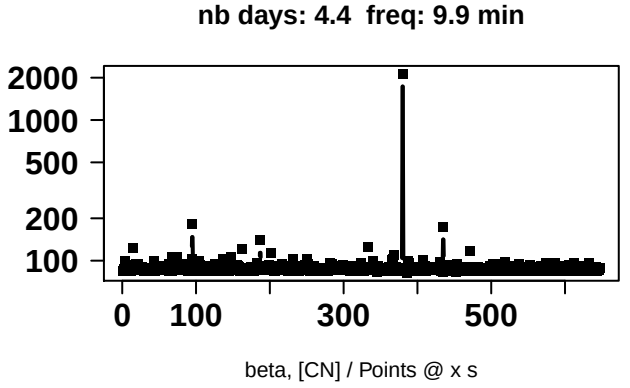

nb days: 4.4 freq: 9.9 min
600
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

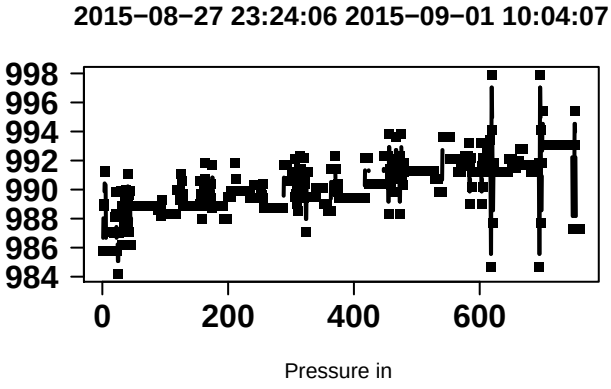

2015−08−22 23:12:42 2015−08−27 09:52:43
984
982
980
978
976
974
972
0
200
400
600
Pressure in

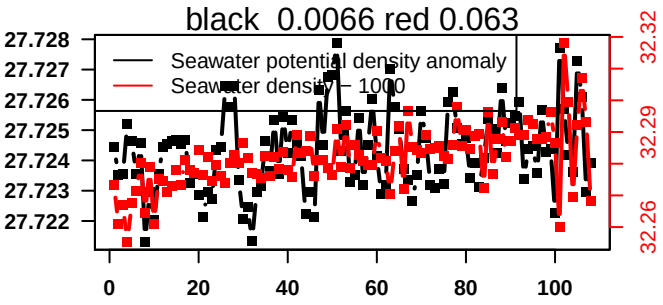

black 0.0057 red 0.057
Seawater potential density anomaly
Seawater density −1000
27.725
27.724
27.723
27.722
27.721
27.720
32.23
32.20
0
20
40
60
80
100

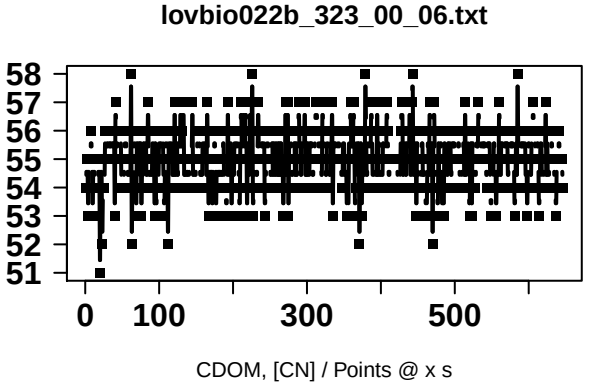

lovbio022b_322_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

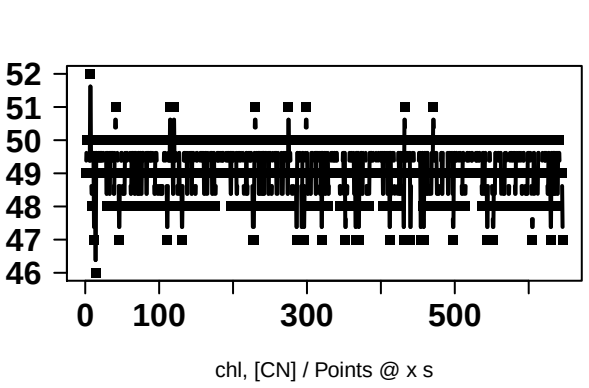

54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

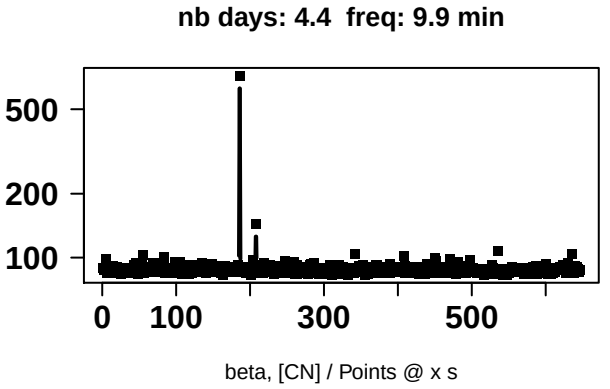

nb days: 4.4 freq: 9.9 min
2000
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

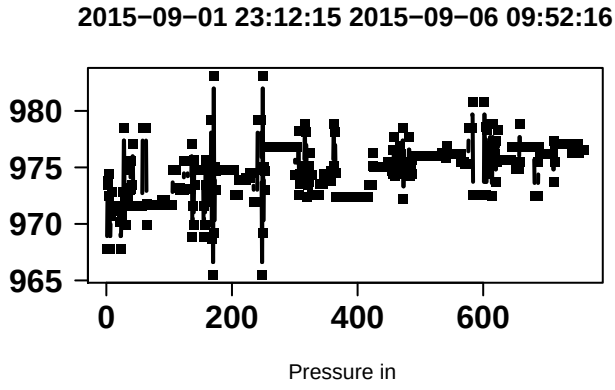

2015−08−27 23:24:06 2015−09−01 10:04:07
998
996
994
992
990
988
986
984
0
200
400
600
Pressure in

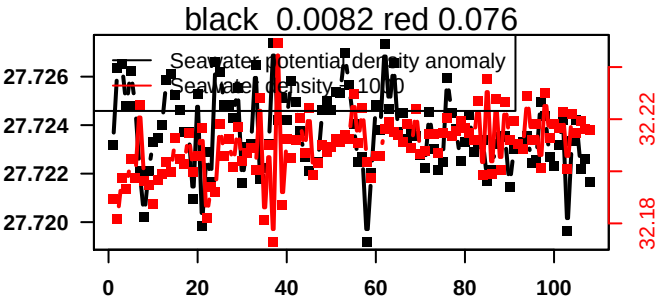

black 0.0066 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.728
27.727
27.726
27.725
27.724
27.723
27.722
32.32
32.29
32.26
0
20
40
60
80
100

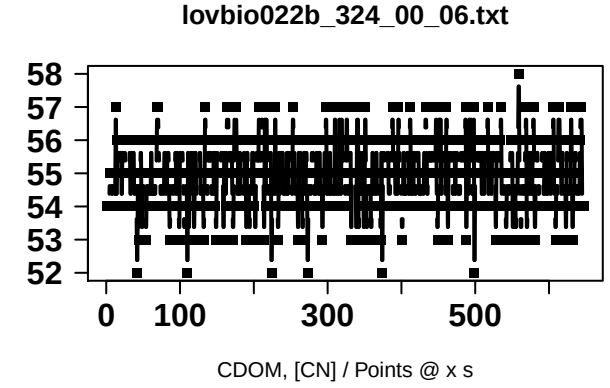

lovbio022b_323_00_06.txt
58
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

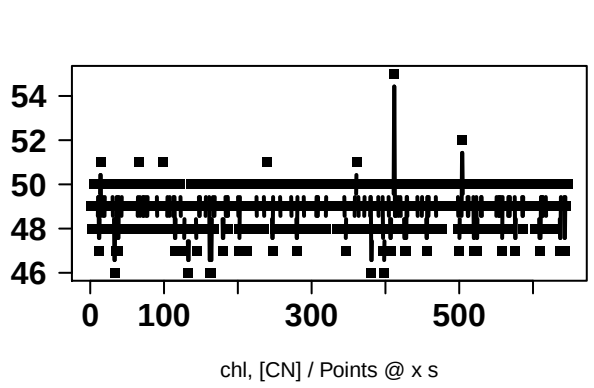

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

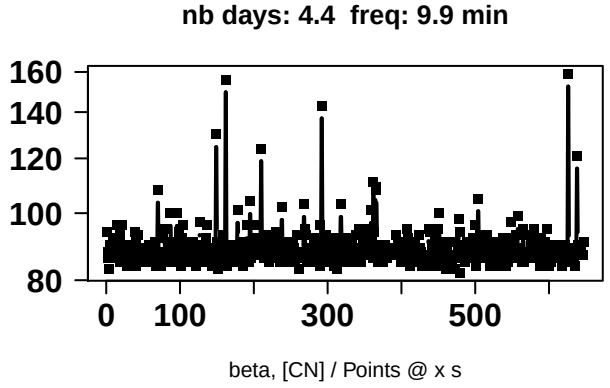

nb days: 4.4 freq: 9.9 min
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

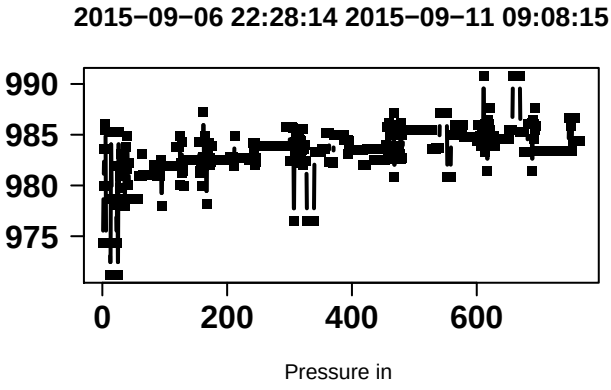

2015−09−01 23:12:15 2015−09−06 09:52:16
980
975
970
965
0
200
400
600
Pressure in

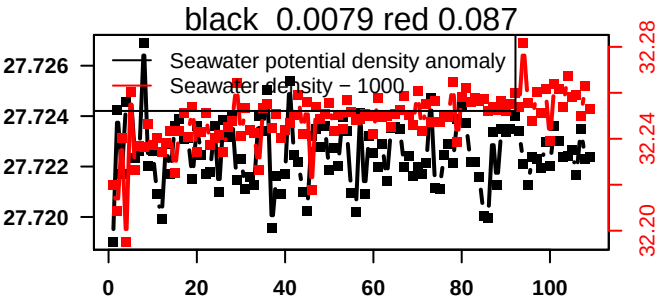

black 0.0082 red 0.076
Seawater potential density anomaly
Seawater density − 1000
27.726
27.724
27.722
27.720
32.22
32.18
0
20
40
60
80
100

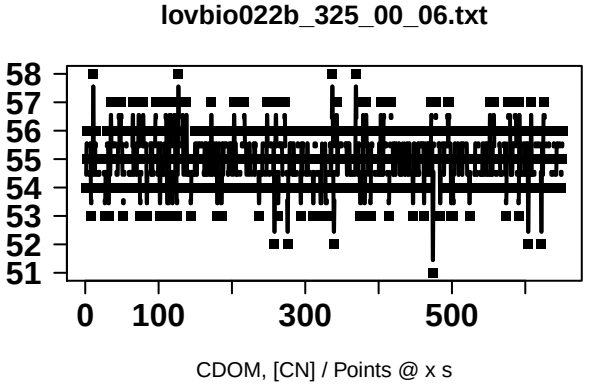

lovbio022b_324_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

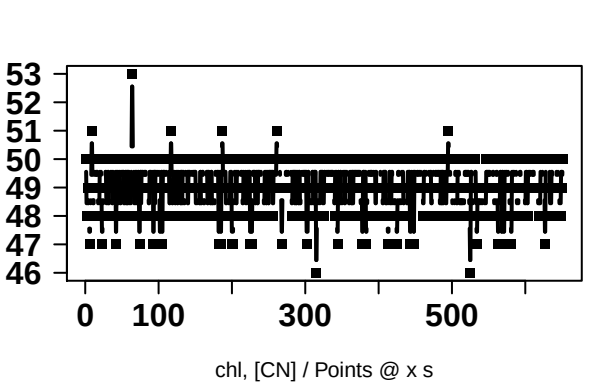

54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

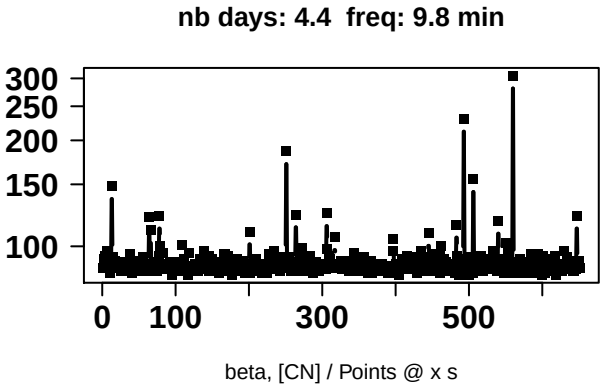

nb days: 4.4 freq: 9.9 min
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

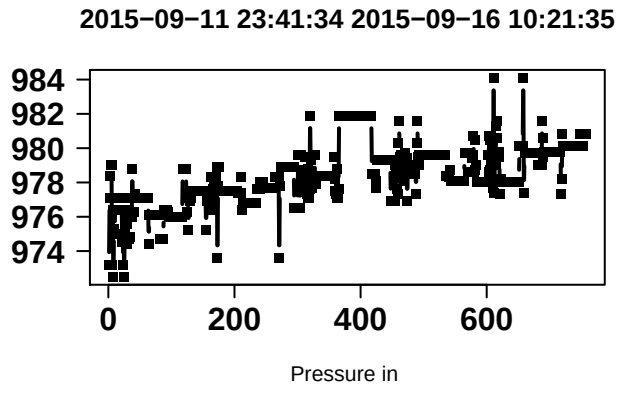

2015−09−06 22:28:14 2015−09−11 09:08:15
990
985
980
975
0
200
400
600
Pressure in

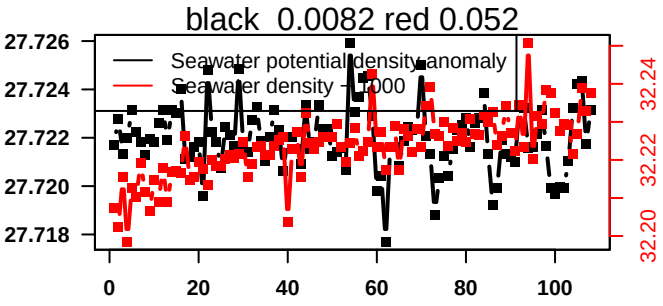

black 0.0079 red 0.087
Seawater potential density anomaly
Seawater density − 1000
27.726
27.724
27.722
27.720
32.28
32.24
32.20
0
20
40
60
80
100

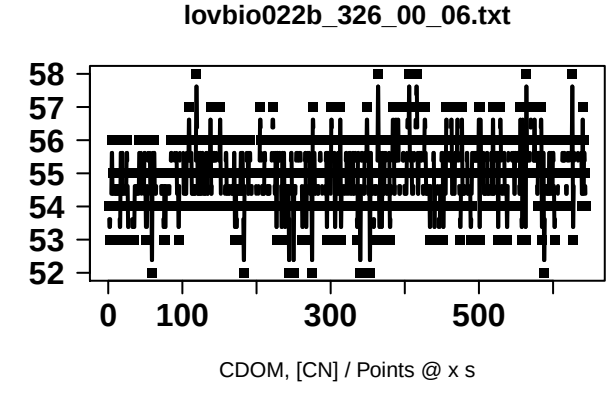

lovbio022b_325_00_06.txt
58
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

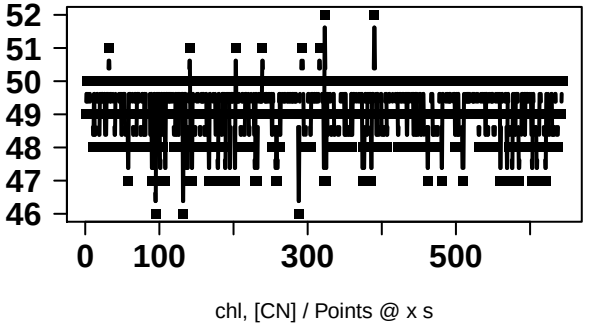

53
52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

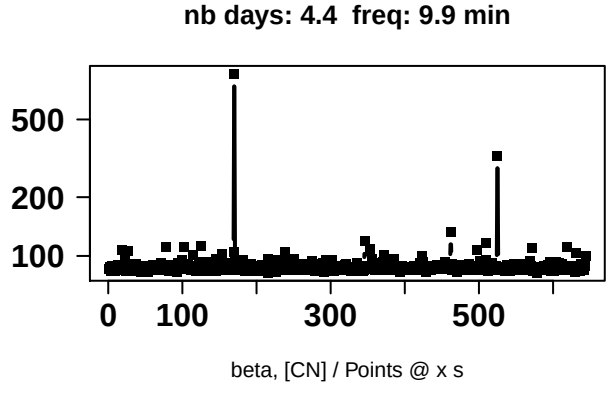

nb days: 4.4 freq: 9.8 min
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

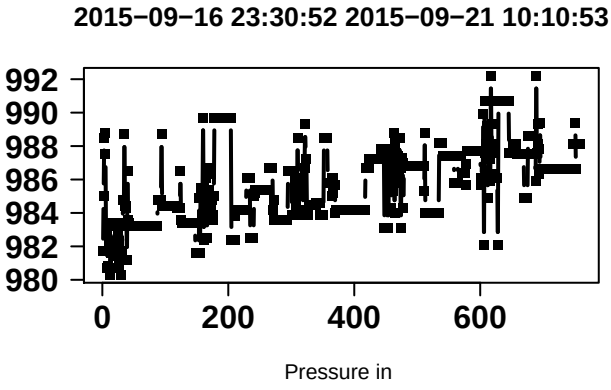

2015−09−11 23:41:34 2015−09−16 10:21:35
984
982
980
978
976
974
0
200
400
600
Pressure in

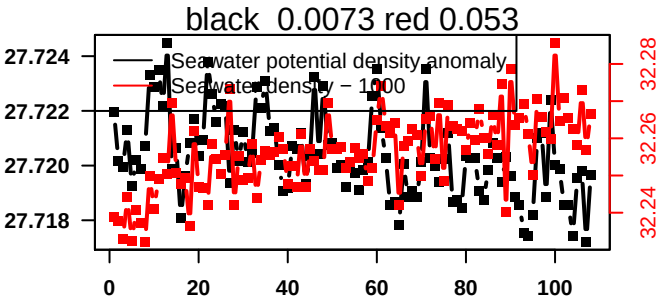

black 0.0082 red 0.052
Seawater potential density anomaly
Seawater density − 1000
27.726
27.724
27.722
27.720
27.718
32.24
32.22
32.20
0
20
40
60
80
100

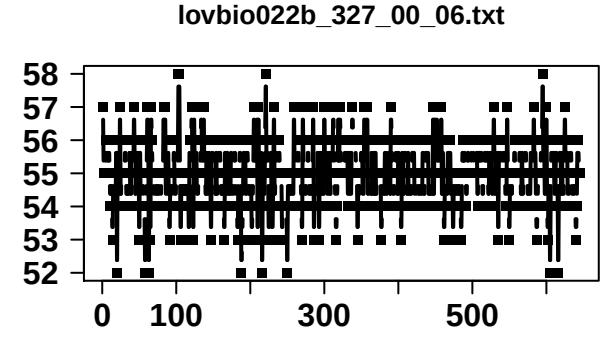

lovbio022b_326_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

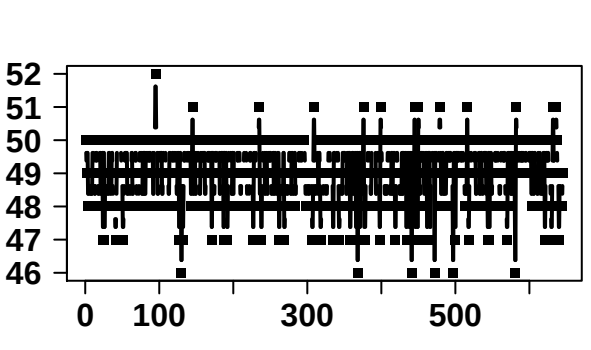

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

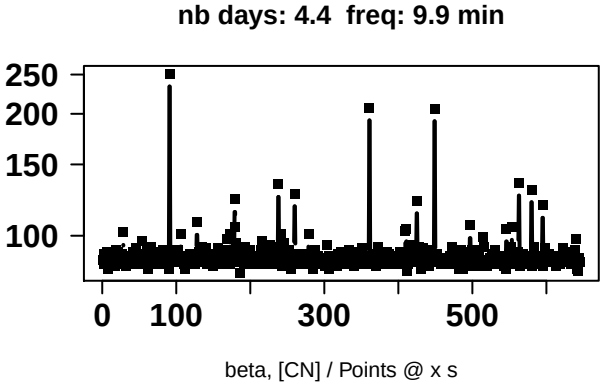

nb days: 4.4 freq: 9.9 min
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

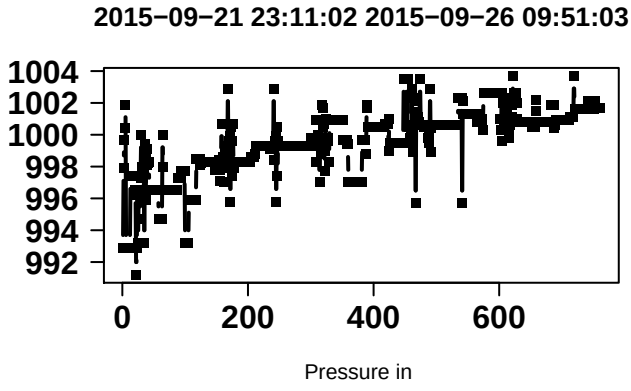

2015−09−16 23:30:52 2015−09−21 10:10:53
992
990
988
986
984
982
980
0
200
400
600
Pressure in

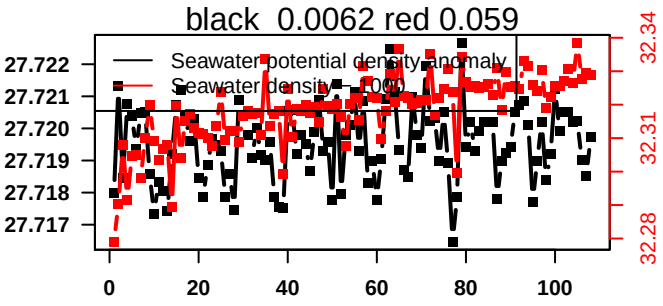

black 0.0073 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
32.28
32.26
32.24
0
20
40
60
80
100

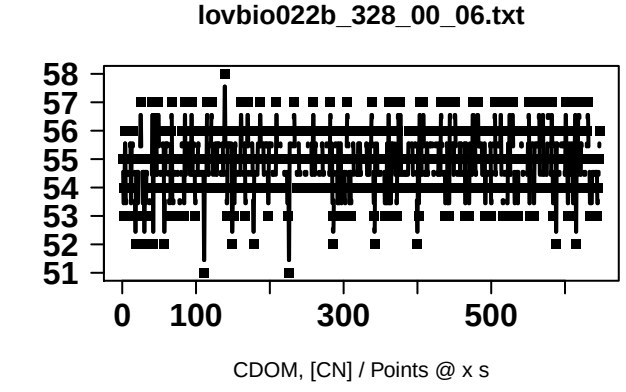

lovbio022b_327_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

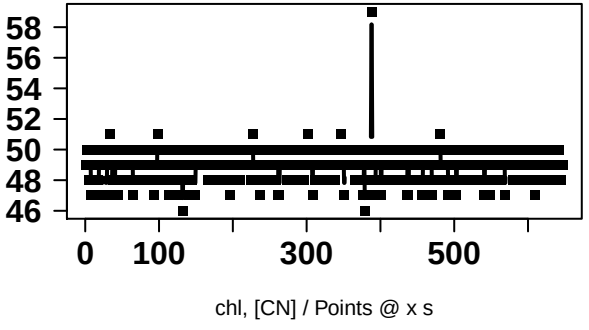

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

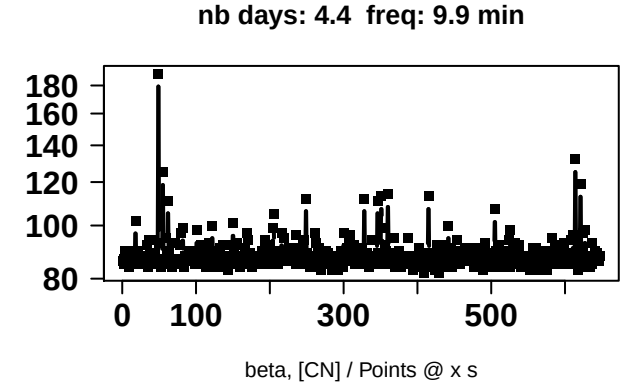

nb days: 4.4 freq: 9.9 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

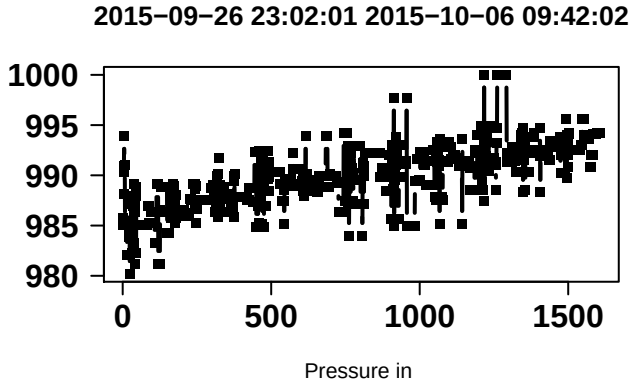

2015−09−21 23:11:02 2015−09−26 09:51:03
1004
1002
1000
998
996
994
992
0
200
400
600
Pressure in

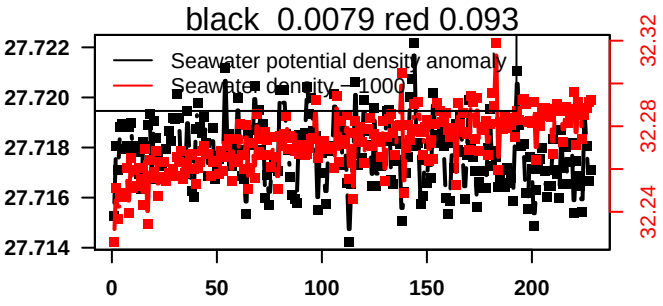

black 0.0062 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.722
27.721
27.720
27.719
27.718
27.717
32.34
32.31
32.28
0
20
40
60
80
100

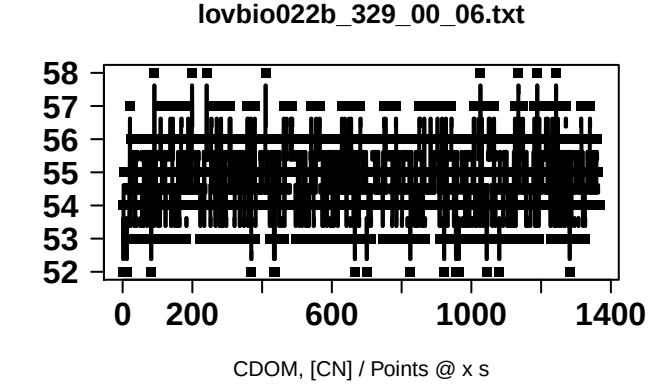

lovbio022b_328_00_06.txt
58
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

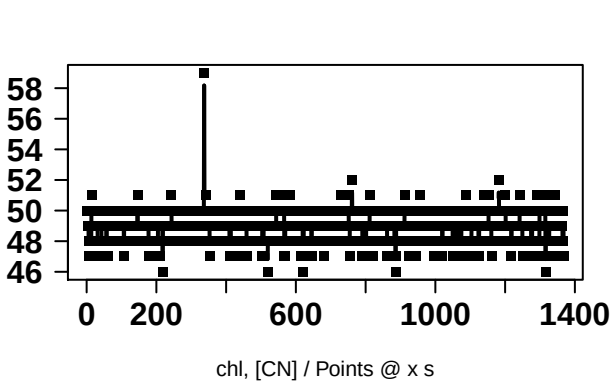

58
56
54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

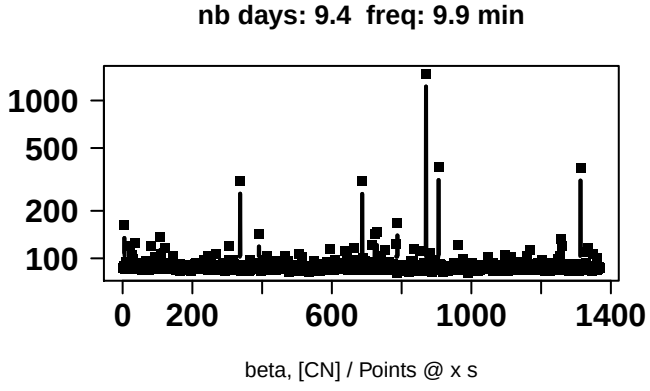

nb days: 4.4 freq: 9.9 min
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

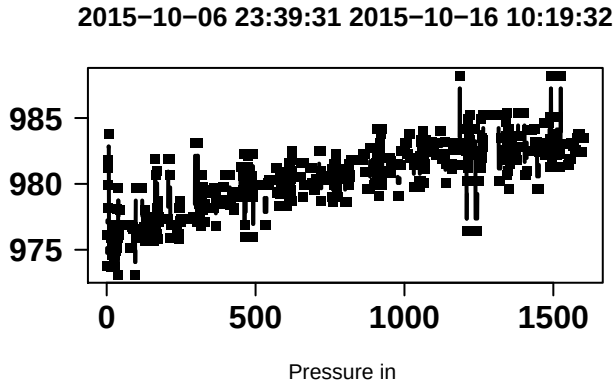

2015−09−26 23:02:01 2015−10−06 09:42:02
1000
995
990
985
980
0
500
1000
1500
Pressure in

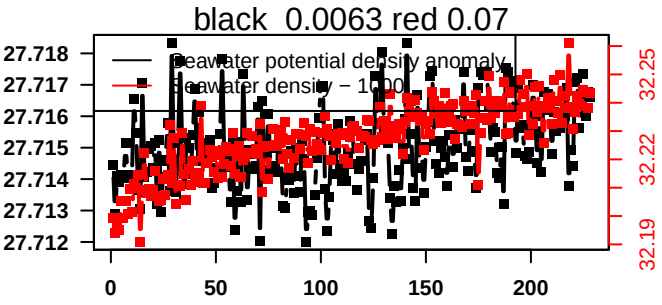

black 0.0079 red 0.093
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
32.32
32.28
32.24
0
50
100
150
200

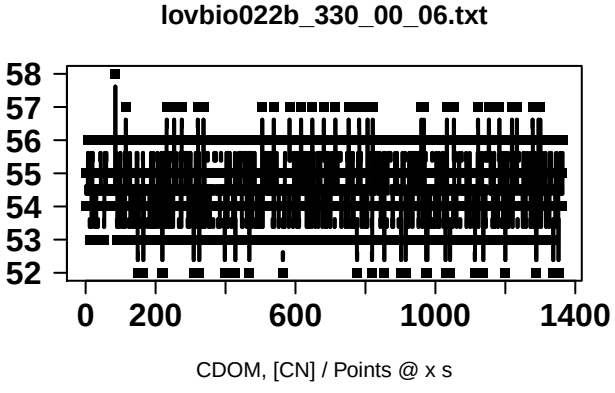

lovbio022b_329_00_06.txt
58
57
56
55
54
53
52
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

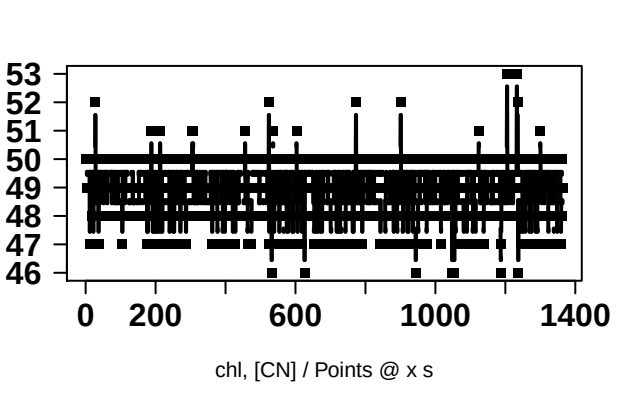

58
56
54
52
50
48
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

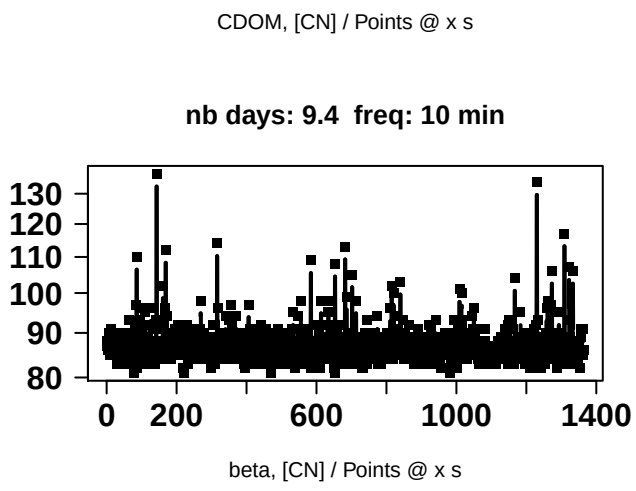

nb days: 9.4 freq: 9.9 min
1000
500
200
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

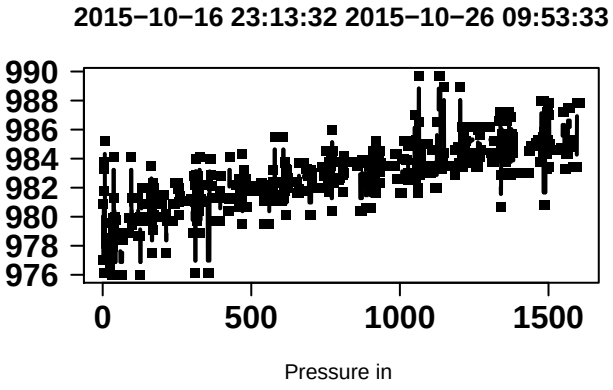

2015−10−06 23:39:31 2015−10−16 10:19:32
985
980
975
0
500
1000
1500
Pressure in

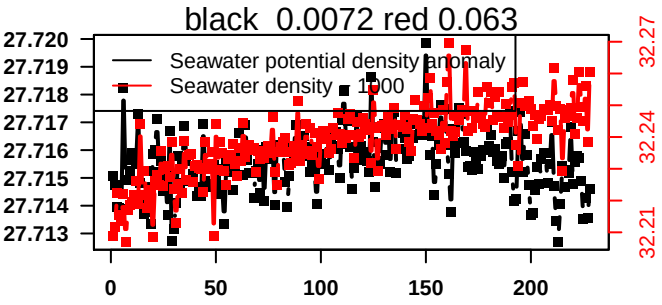

black 0.0063 red 0.07
Seawater potential density anomaly
Seawater density − 1000
27.718
27.717
27.716
27.715
27.714
27.713
27.712
32.25
32.22
32.19
0
50
100
150
200

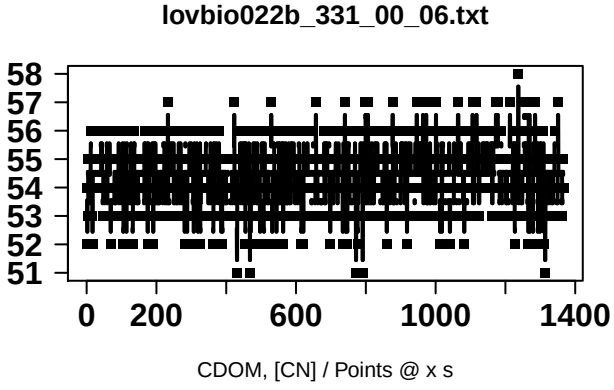

lovbio022b_330_00_06.txt
58
57
56
55
54
53
52
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

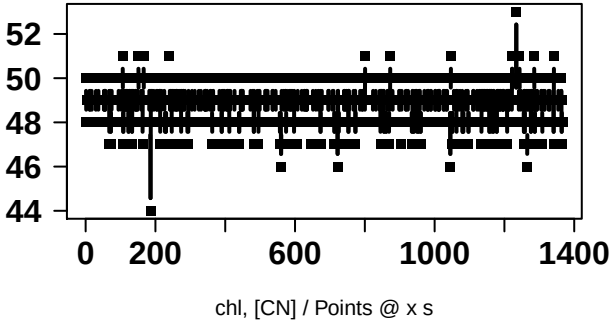

53
52
51
50
49
48
47
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

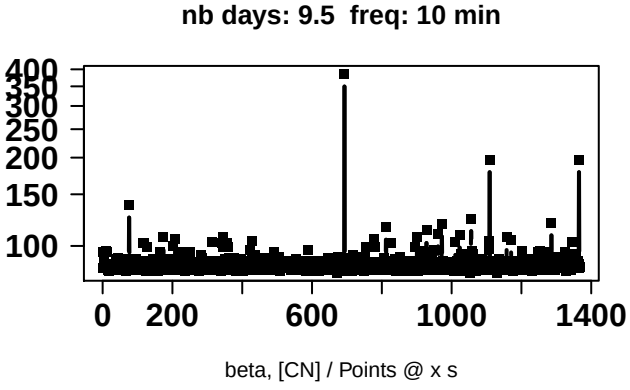

nb days: 9.4 freq: 10 min
130
120
110
100
90
80
0
200
600
1000
1400
beta, [CN] / Points @ x s

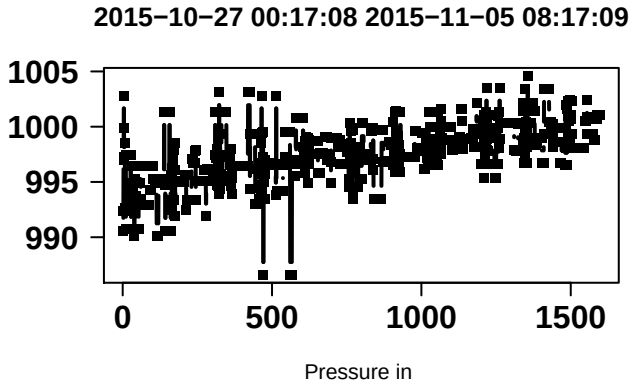

2015−10−16 23:13:32 2015−10−26 09:53:33
990
988
986
984
982
980
978
976
0
500
1000
1500
Pressure in

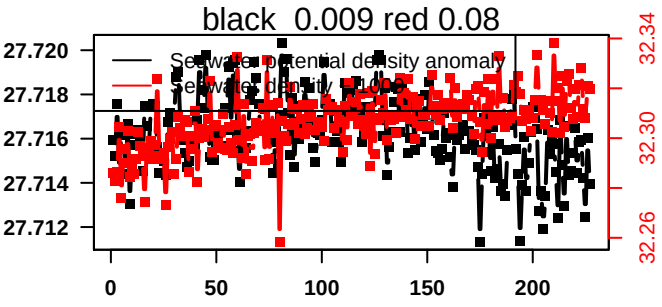

black 0.0072 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.720
27.719
27.718
27.717
27.716
27.715
27.714
27.713
32.27
32.24
32.21
0
50
100
150
200

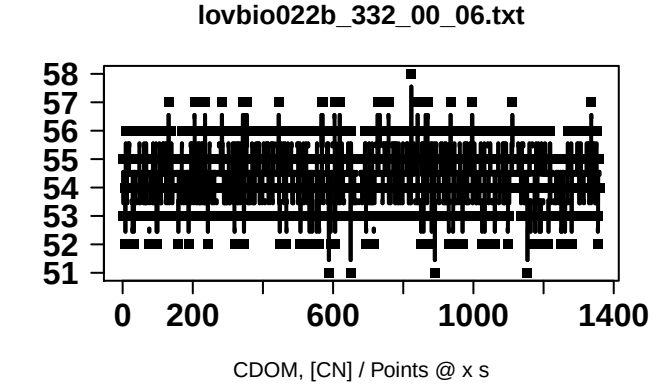

lovbio022b_331_00_06.txt
58
57
56
55
54
53
52
51
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

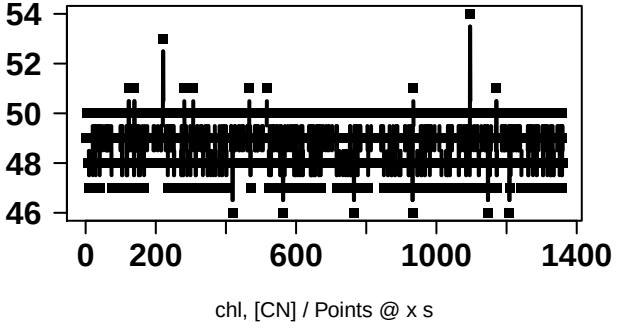

52
50
48
46
44
0
200
600
1000
1400
chl, [CN] / Points @ x s

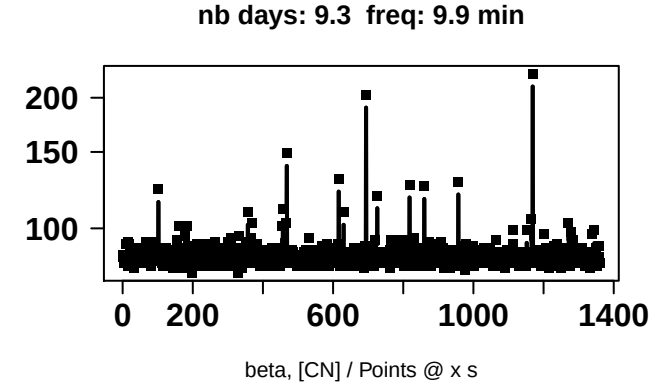

nb days: 9.5 freq: 10 min
400
350
300
250
200
150
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

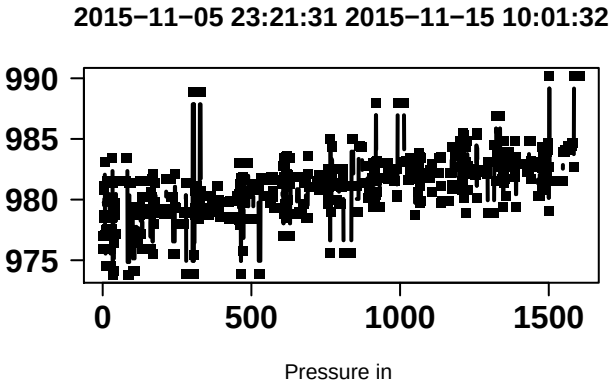

2015−10−27 00:17:08 2015−11−05 08:17:09
1005
1000
995
990
0
500
1000
1500
Pressure in

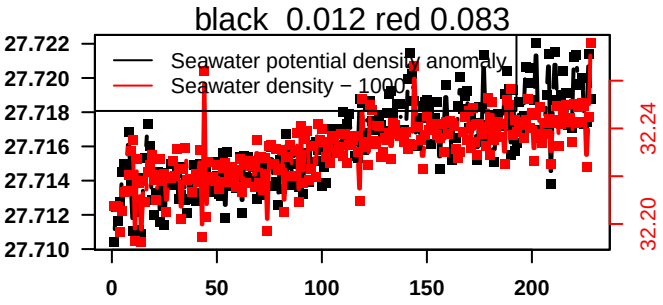

black 0.009 red 0.08
Seawater potential density anomaly
Seawater density
27.720
27.718
27.716
27.714
27.712
32.34
32.30
32.26
0
50
100
150
200

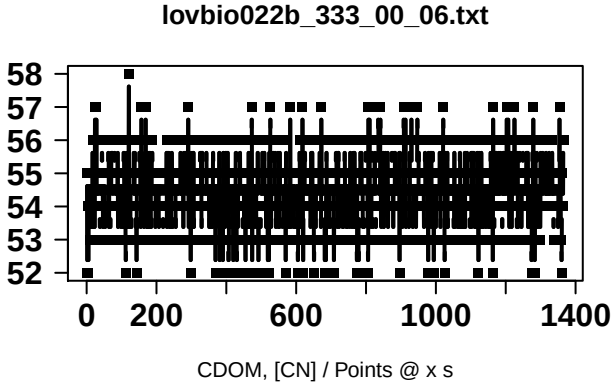

lovbio022b_332_00_06.txt
58
57
56
55
54
53
52
51
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

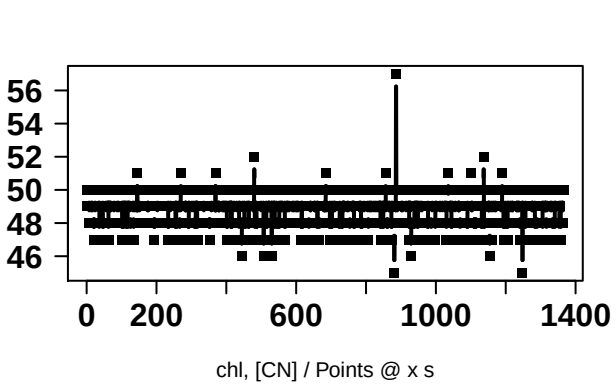

54
52
50
48
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

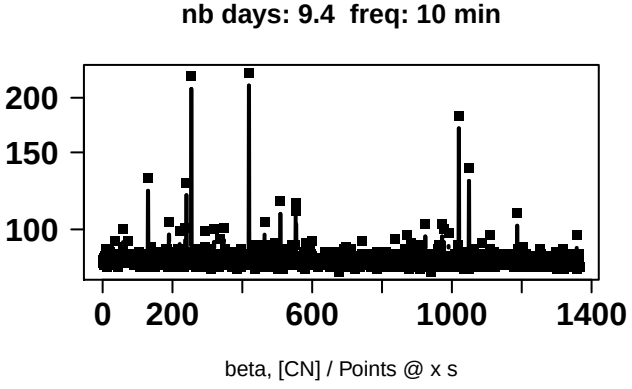

nb days: 9.3 freq: 9.9 min
200
150
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

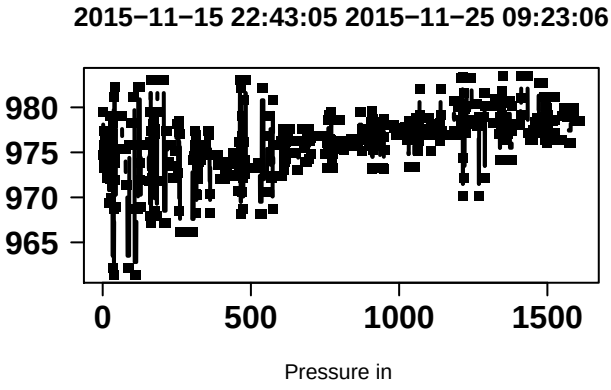

2015−11−05 23:21:31 2015−11−15 10:01:32
990
985
980
975
0
500
1000
1500
Pressure in

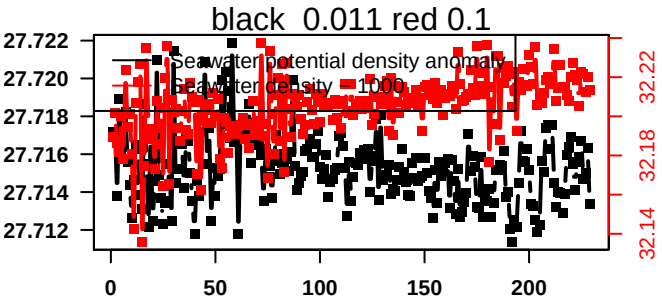

black 0.012 red 0.083
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
27.712
27.710
0
50
100
150
200
32.24
32.20

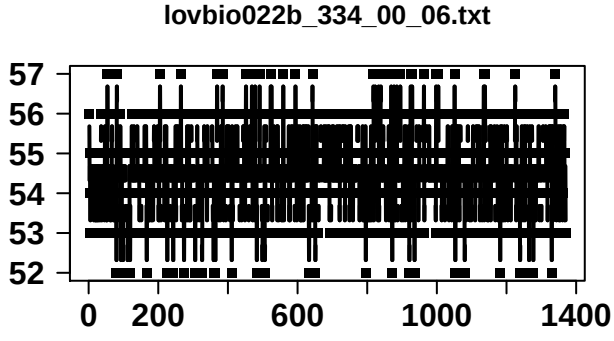

lovbio022b_333_00_06.txt
58
57
56
55
54
53
52
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

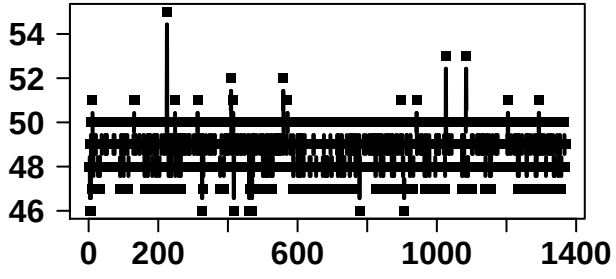

56
54
52
50
48
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

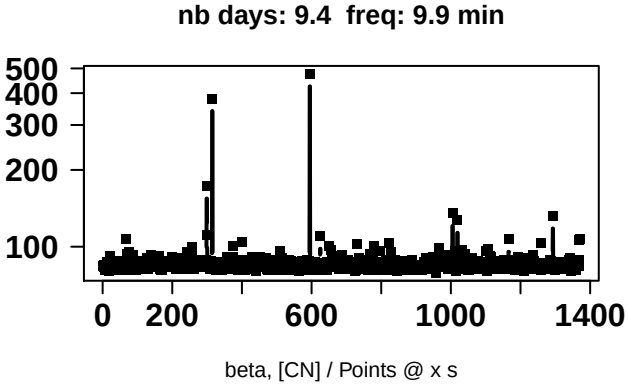

nb days: 9.4 freq: 10 min
200
150
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

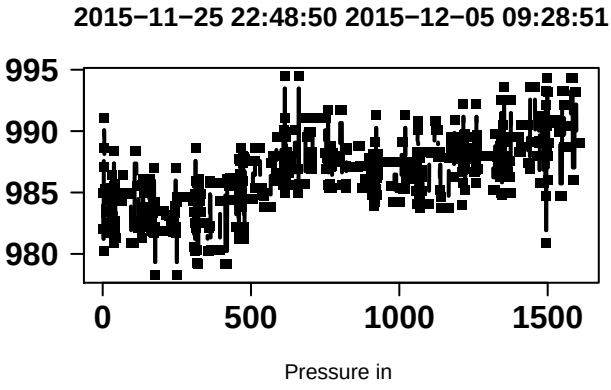

2015−11−15 22:43:05 2015−11−25 09:23:06
980
975
970
965
0
500
1000
1500
Pressure in

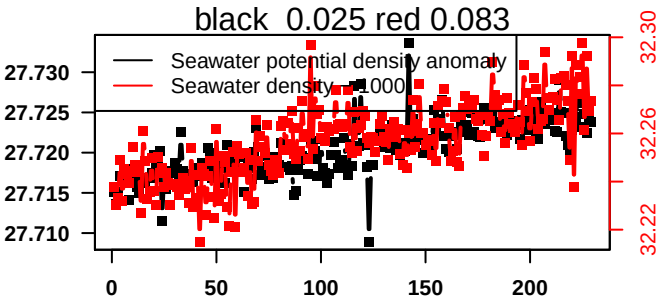

black 0.011 red 0.1
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
27.714
27.712
32.22
32.18
32.14
0
50
100
150
200

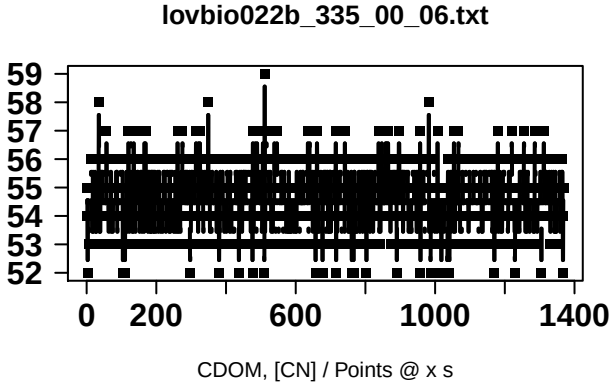

lovbio022b_334_00_06.txt
57
56
55
54
53
52
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

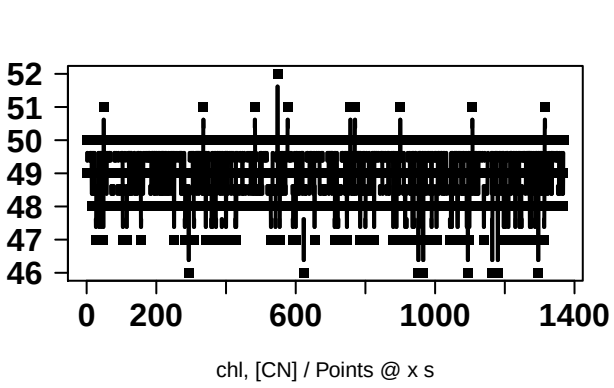

54
52
50
48
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

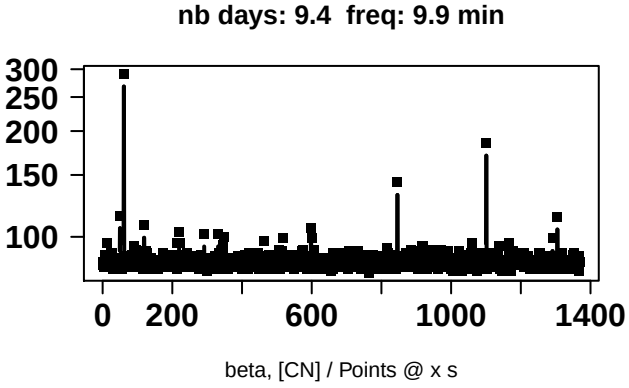

nb days: 9.4 freq: 9.9 min
500
400
300
200
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

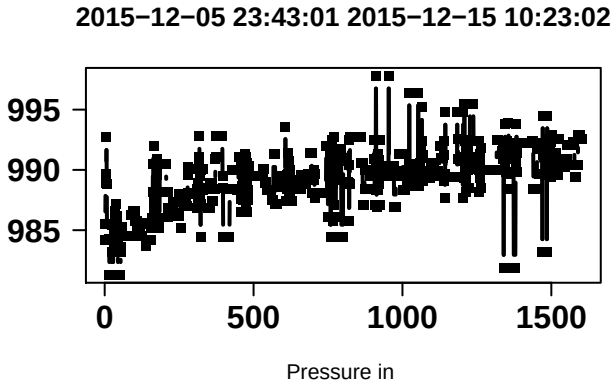

2015−11−25 22:48:50 2015−12−05 09:28:51
995
990
985
980
0
500
1000
1500
Pressure in

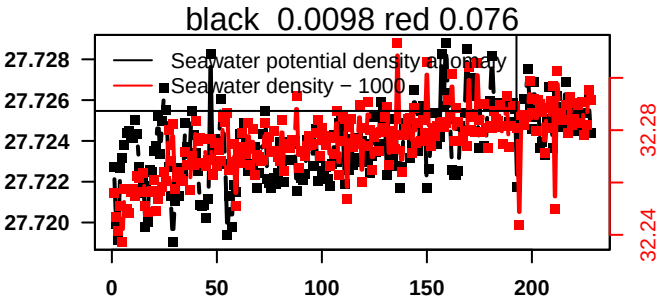

black 0.025 red 0.083
Seawater potential density anomaly
Seawater density −1000
27.730
27.725
27.720
27.715
27.710
32.30
32.26
32.22
0
50
100
150
200

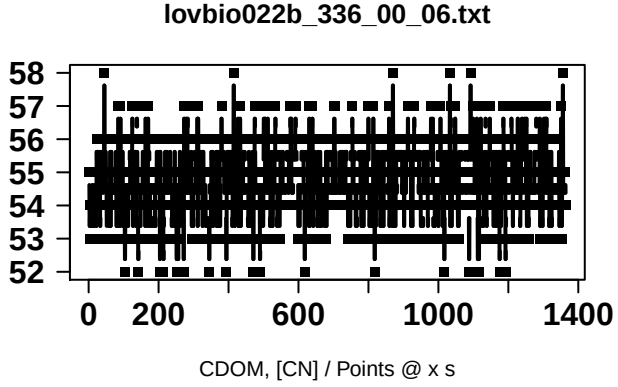

lovbio022b_335_00_06.txt
59
58
57
56
55
54
53
52
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

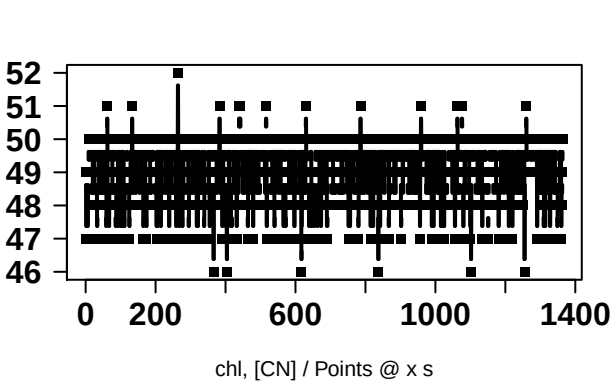

52
51
50
49
48
47
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

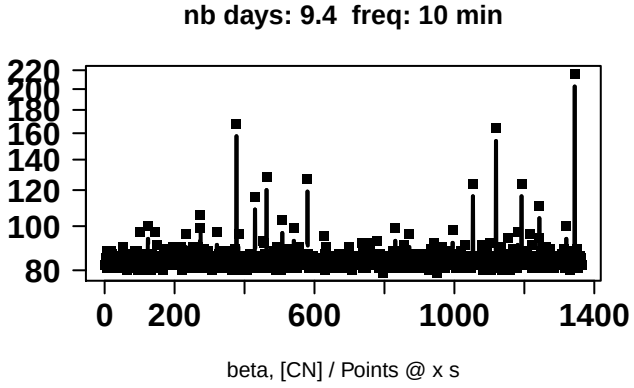

nb days: 9.4 freq: 9.9 min
300
250
200
150
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

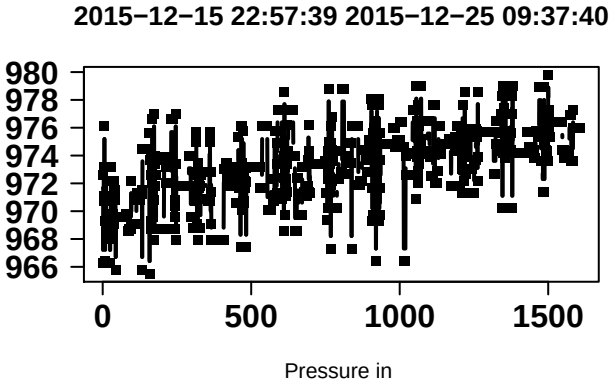

2015−12−05 23:43:01 2015−12−15 10:23:02
995
990
985
0
500
1000
1500
Pressure in

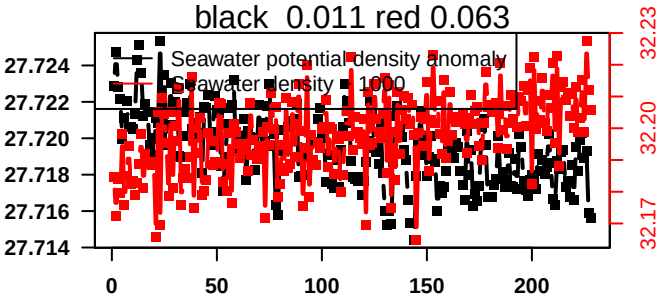

black 0.0098 red 0.076
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
27.720
32.28
32.24
0
50
100
150
200

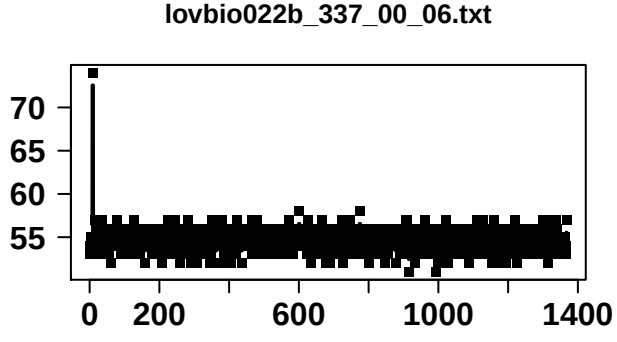

lovbio022b_336_00_06.txt
58
57
56
55
54
53
52
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

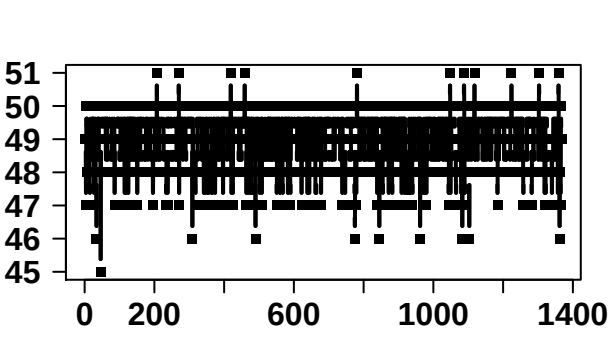

52
51
50
49
48
47
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

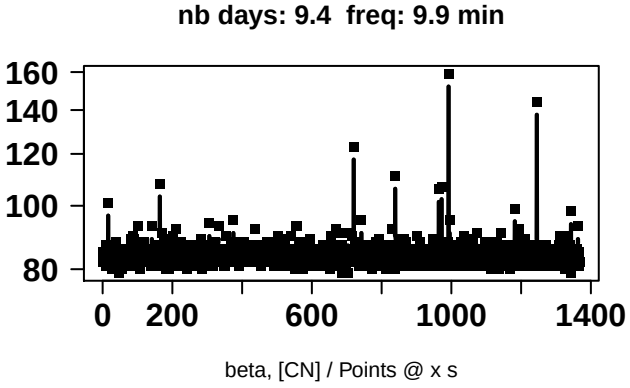

nb days: 9.4 freq: 10 min
220
200
180
160
140
120
100
80
0
200
600
1000
1400
beta, [CN] / Points @ x s

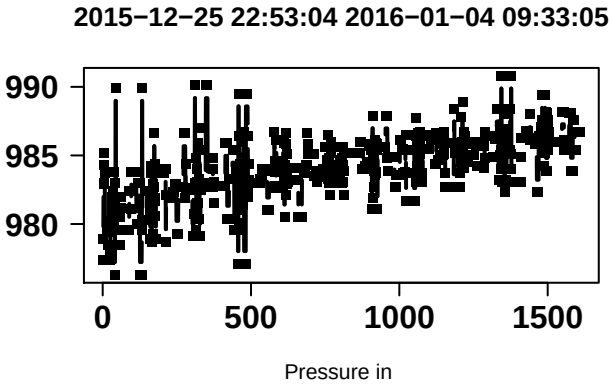

2015−12−15 22:57:39 2015−12−25 09:37:40
980
978
976
974
972
970
968
966
0
500
1000
1500
Pressure in

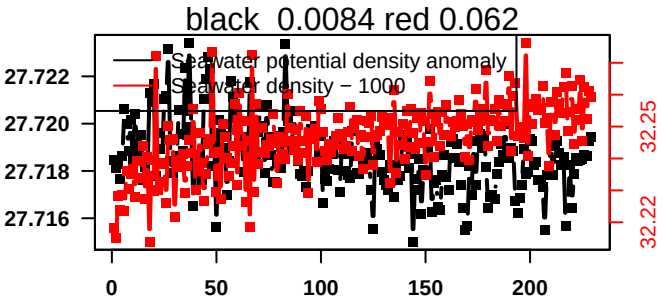

black 0.011 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
27.716
27.714
32.23
32.20
32.17
0
50
100
150
200

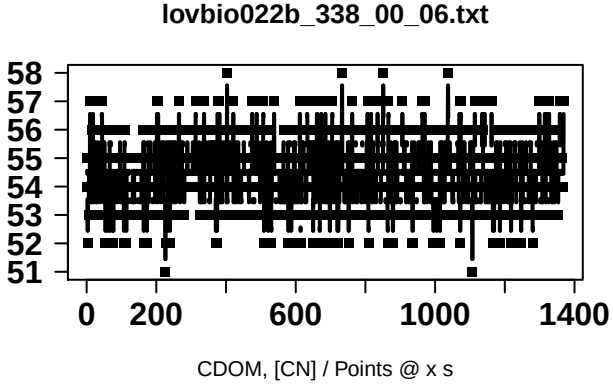

lovbio022b_337_00_06.txt
70
65
60
55
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

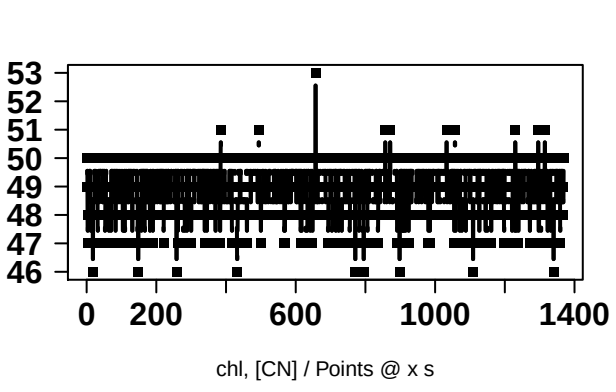

51
50
49
48
47
46
45
0
200
600
1000
1400
chl, [CN] / Points @ x s

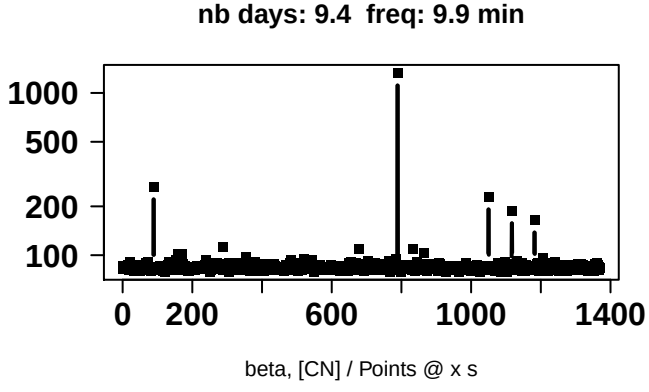

nb days: 9.4 freq: 9.9 min
160
140
120
100
80
0
200
600
1000
1400
beta, [CN] / Points @ x s

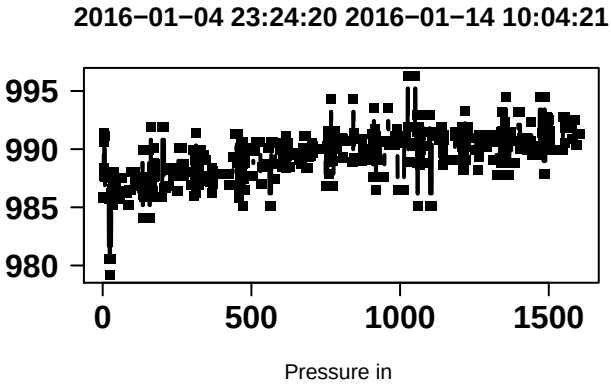

2015−12−25 22:53:04 2016−01−04 09:33:05
990
985
980
0
500
1000
1500
Pressure in

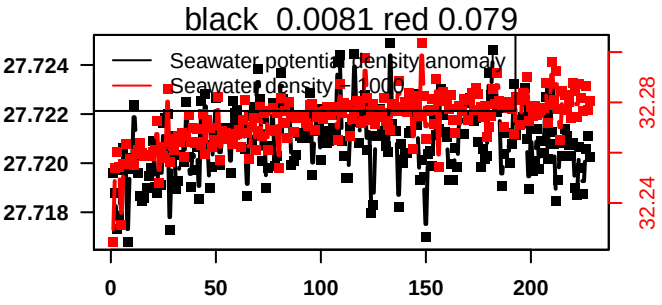

black 0.0084 red 0.062
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
32.25
32.22
0
50
100
150
200

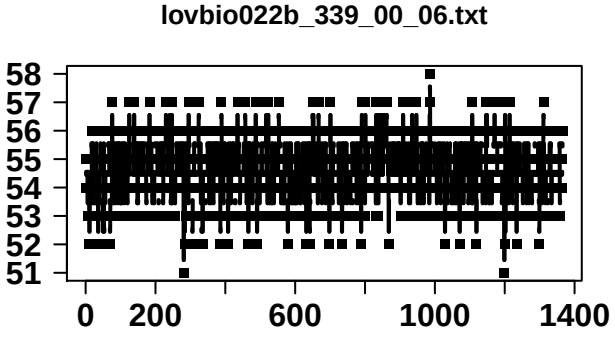

lovbio022b_338_00_06.txt
58
57
56
55
54
53
52
51
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

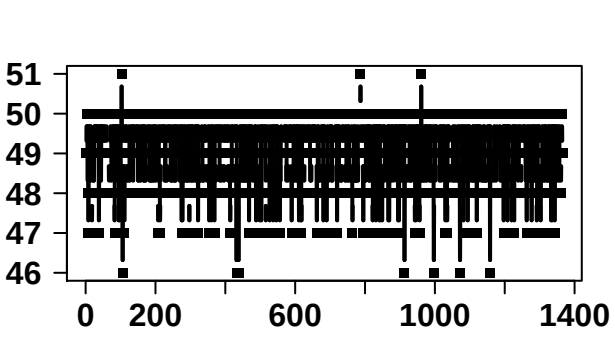

53
52
51
50
49
48
47
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

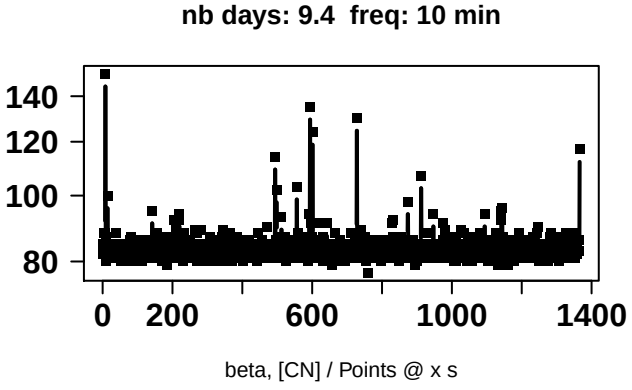

nb days: 9.4 freq: 9.9 min
1000
500
200
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

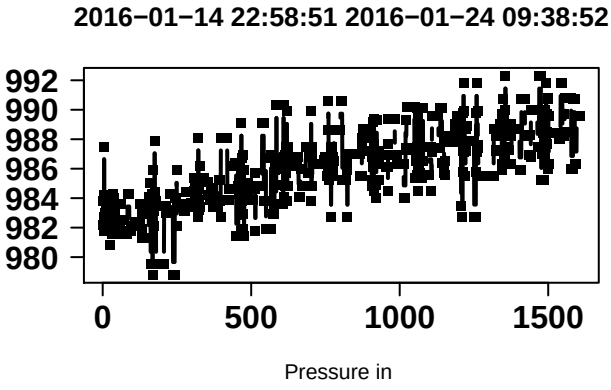

2016−01−04 23:24:20 2016−01−14 10:04:21
995
990
985
980
0
500
1000
1500
Pressure in

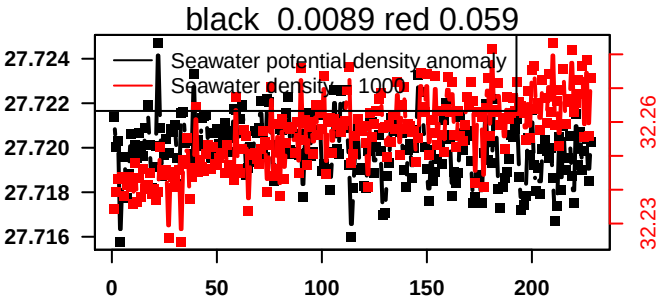

black 0.0081 red 0.079
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
0
50
100
150
200
32.28
32.24

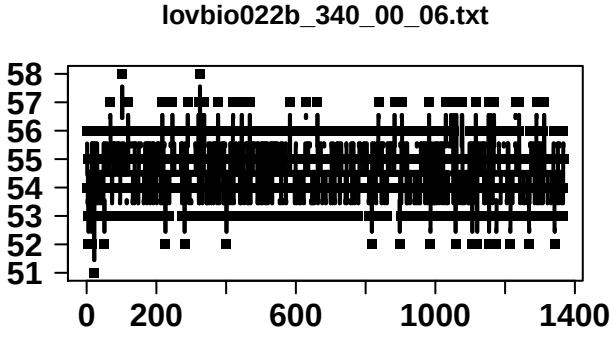

lovbio022b_339_00_06.txt
58
57
56
55
54
53
52
51
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

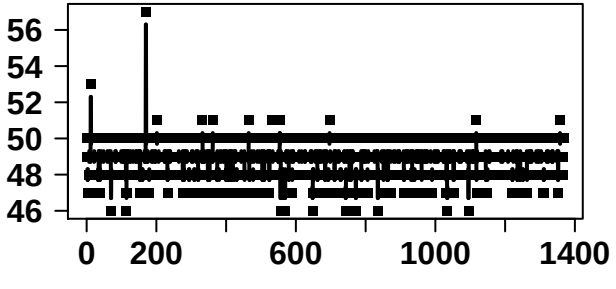

51
50
49
48
47
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

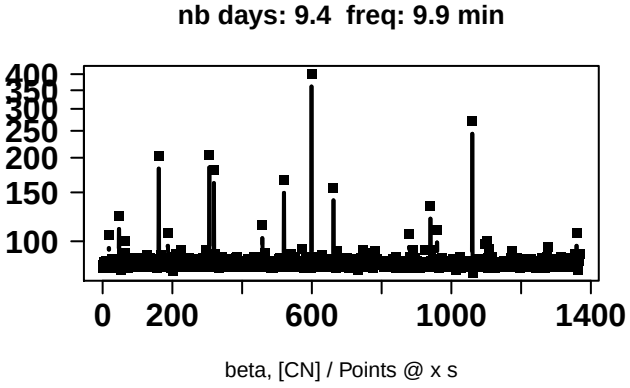

nb days: 9.4 freq: 10 min
140
120
100
80
0
200
600
1000
1400
beta, [CN] / Points @ x s

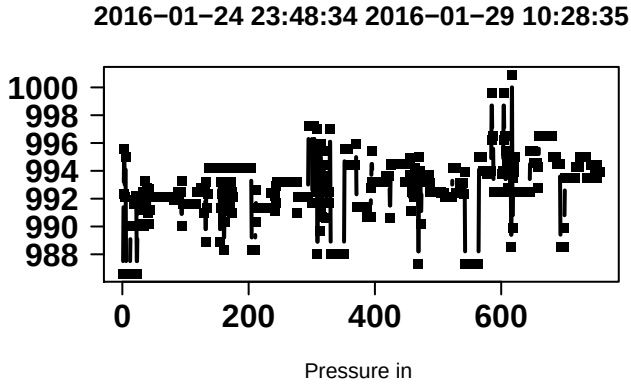

2016−01−14 22:58:51 2016−01−24 09:38:52
992
990
988
986
984
982
980
0
500
1000
1500
Pressure in

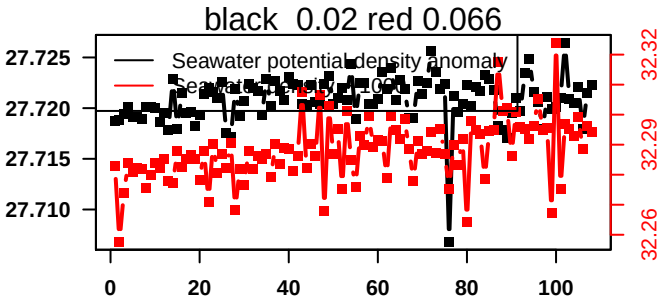

black 0.0089 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
27.716
32.26
32.23
0
50
100
150
200

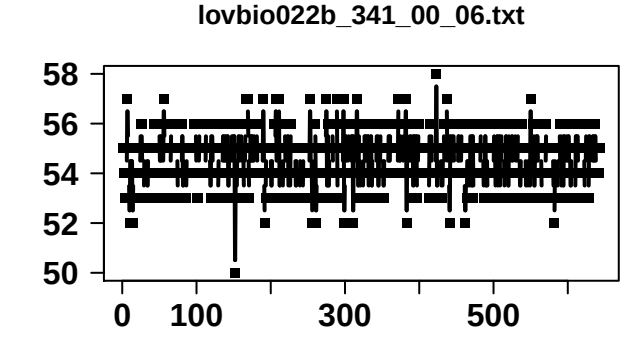

lovbio022b_340_00_06.txt
58
57
56
55
54
53
52
51
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

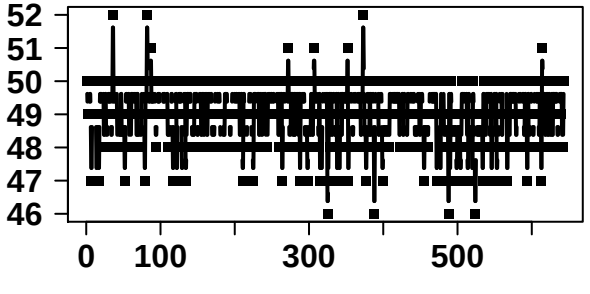

56
54
52
50
48
46
0
200
600
1000
1400
chl, [CN] / Points @ x s

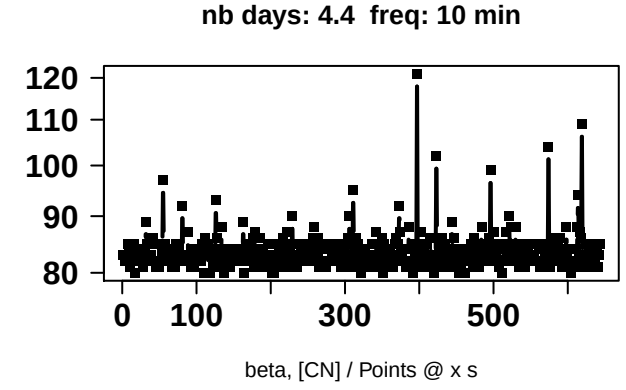

nb days: 9.4 freq: 9.9 min
400
350
300
250
200
150
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

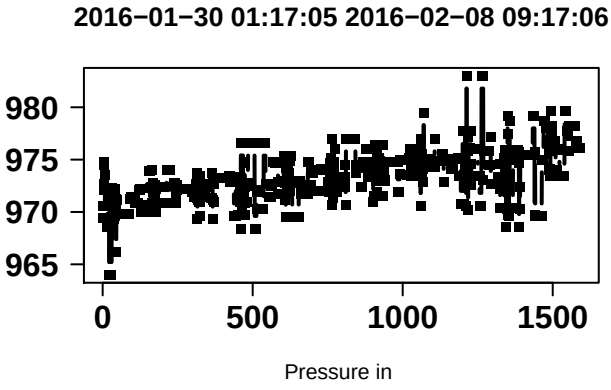

2016−01−24 23:48:34 2016−01−29 10:28:35
1000
998
996
994
992
990
988
0
200
400
600
Pressure in

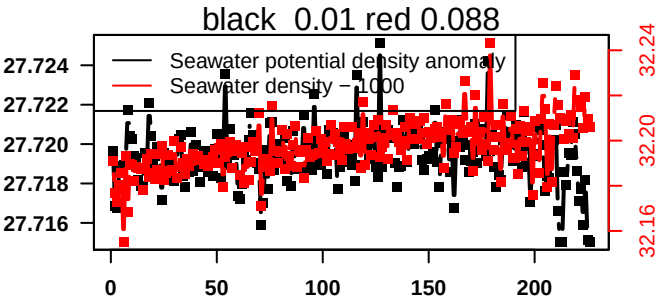

black 0.02 red 0.066
Seawater potential density anomaly
27.725
27.720
27.715
27.710
32.32
32.29
32.26
0
20
40
60
80
100

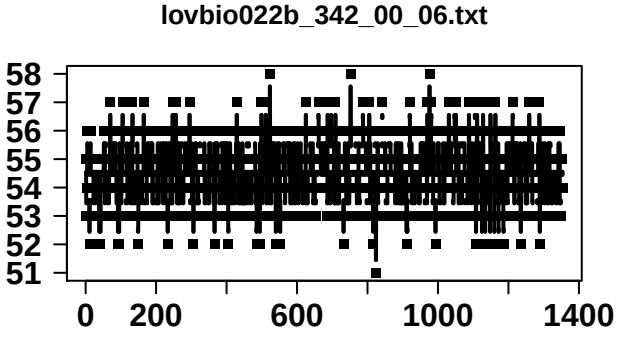

lovbio022b_341_00_06.txt
58
56
54
52
50
0
100
300
500
CDOM, [CN] / Points @ x s

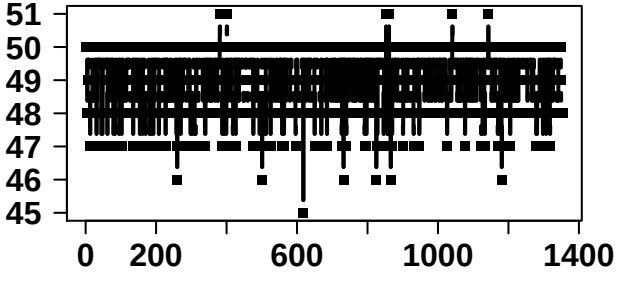

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

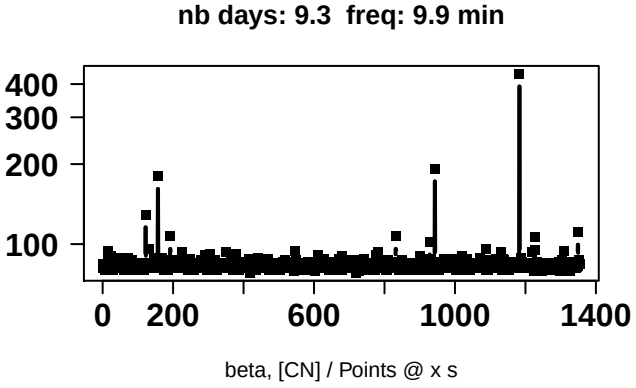

nb days: 4.4 freq: 10 min
120
110
100
90
80
0
100
300
500
beta, [CN] / Points @ x s

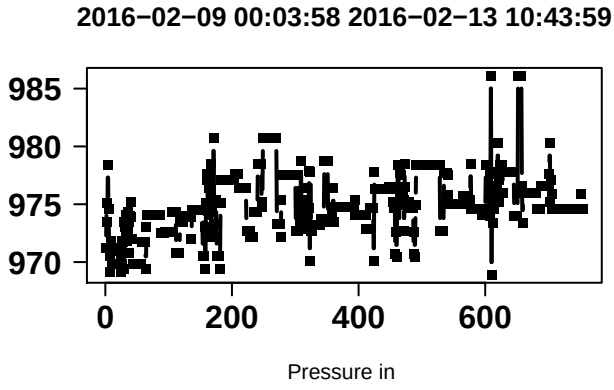

2016−01−30 01:17:05 2016−02−08 09:17:06
980
975
970
965
0
500
1000
1500
Pressure in

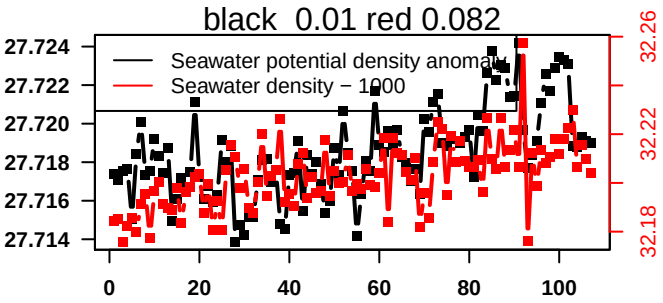

black 0.01 red 0.088
Seawater potential density anomaly
Seawater density − 1000
27.724
27.722
27.720
27.718
27.716
0
50
100
150
200
32.24
32.20
32.16

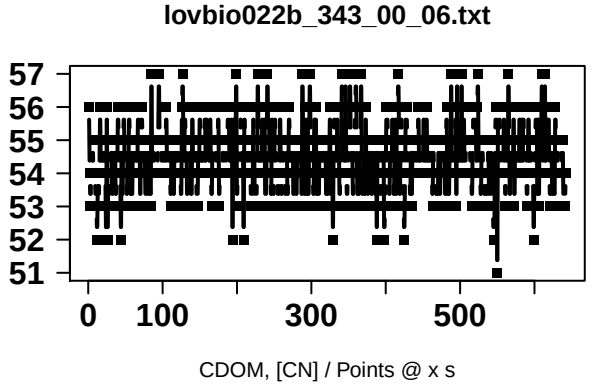

lovbio022b_342_00_06.txt
58
57
56
55
54
53
52
51
0
200
600
1000
1400
CDOM, [CN] / Points @ x s

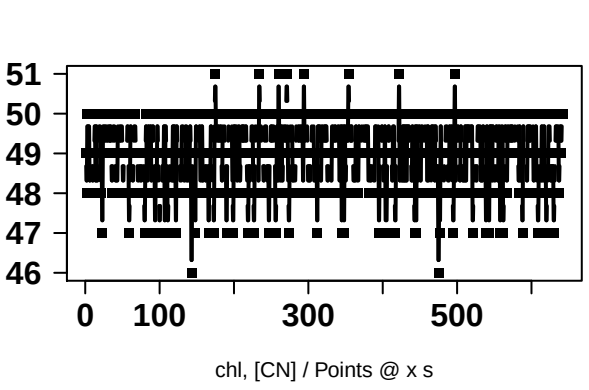

51
50
49
48
47
46
45
0
200
600
1000
1400
chl, [CN] / Points @ x s

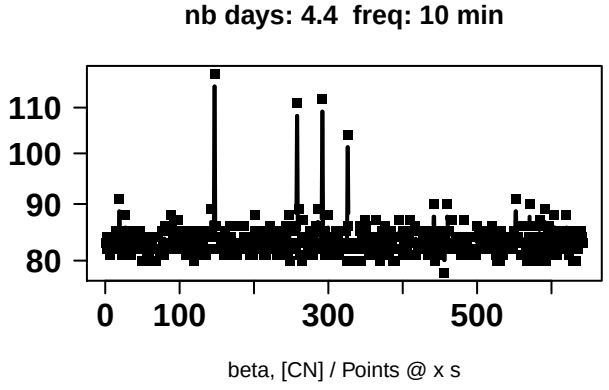

nb days: 9.3 freq: 9.9 min
400
300
200
100
0
200
600
1000
1400
beta, [CN] / Points @ x s

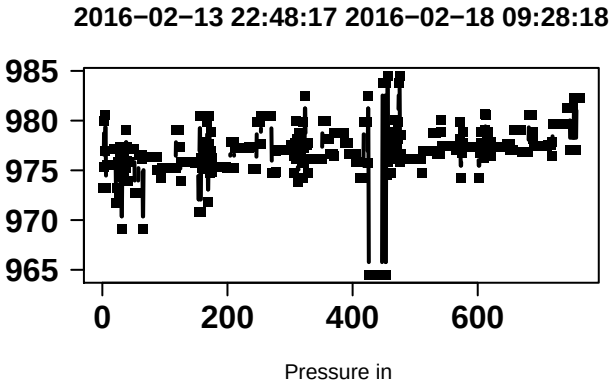

2016−02−09 00:03:58 2016−02−13 10:43:59
985
980
975
970
0
200
400
600
Pressure in

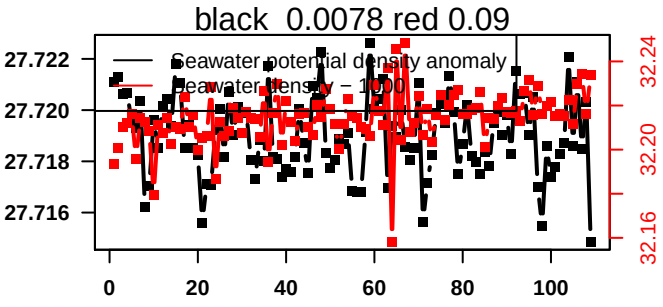

black 0.01 red 0.082
27.724
27.722
27.720
27.718
27.716
27.714
Seawater potential density anomaly
Seawater density − 1000
32.26
32.22
32.18
0
20
40
60
80
100

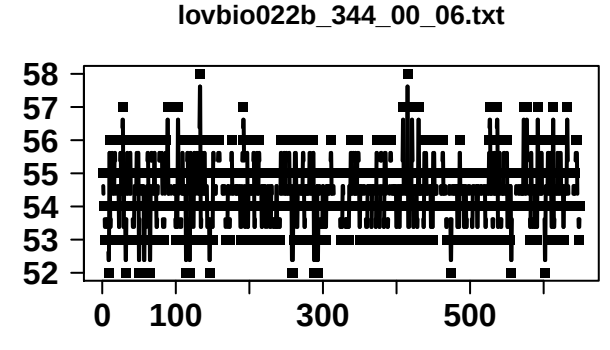

lovbio022b_343_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

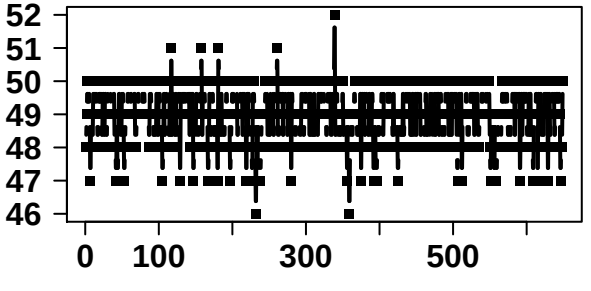

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

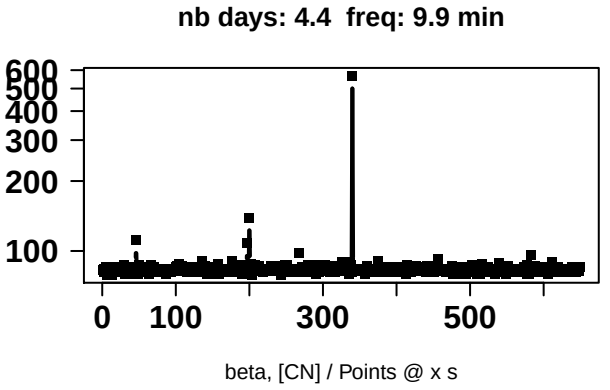

nb days: 4.4 freq: 10 min
110
100
90
80
0
100
300
500
beta, [CN] / Points @ x s

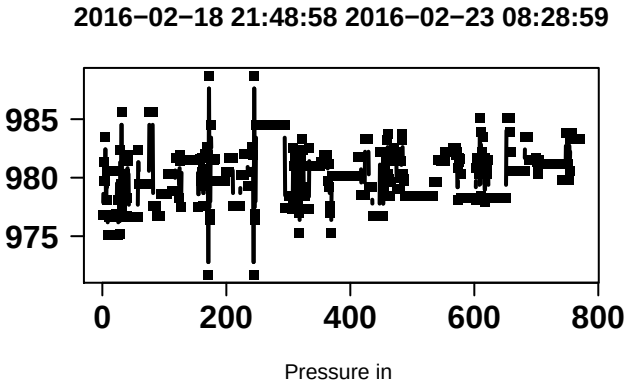

2016−02−13 22:48:17 2016−02−18 09:28:18
985
980
975
970
965
0
200
400
600
Pressure in

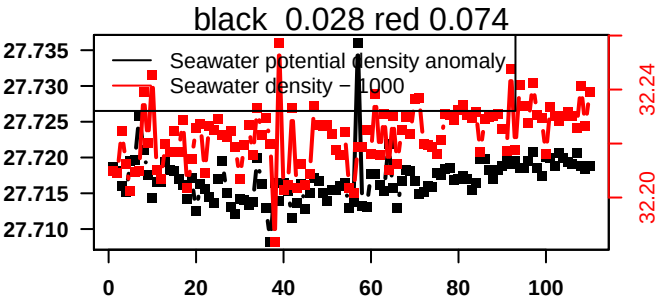

black 0.0078 red 0.09
Seawater potential density anomaly
Seawater density − 1000
27.722
27.720
27.718
27.716
32.24
32.20
32.16
0
20
40
60
80
100

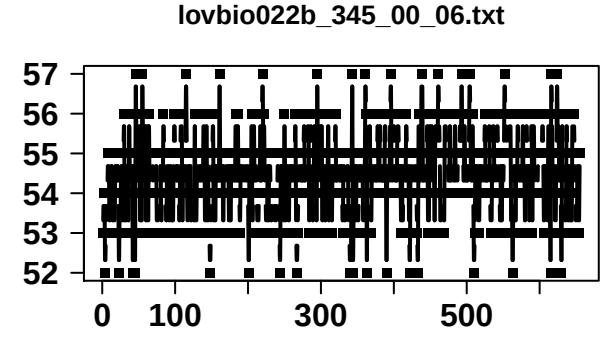

lovbio022b_344_00_06.txt
58
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

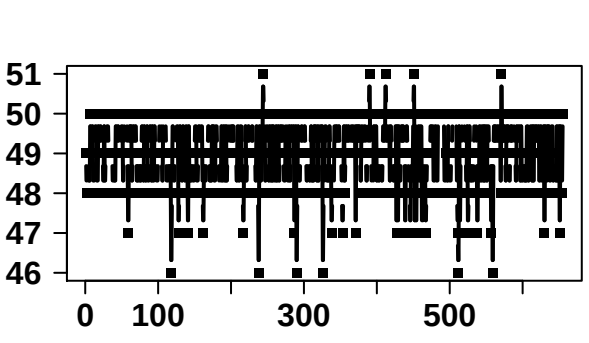

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

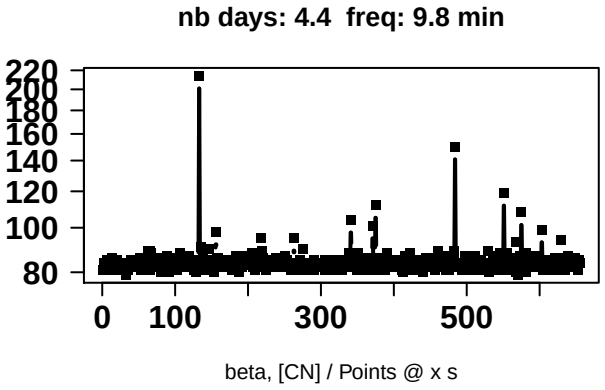

nb days: 4.4 freq: 9.9 min
600
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

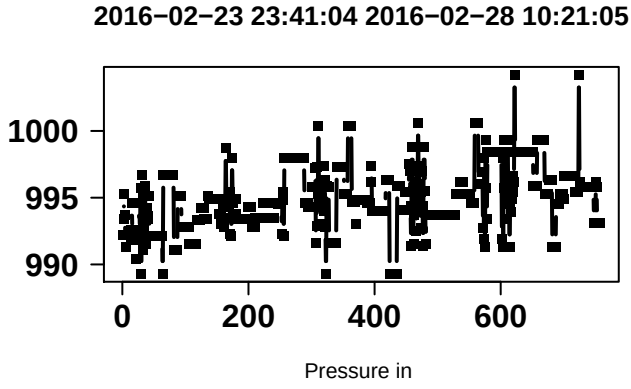

2016−02−18 21:48:58 2016−02−23 08:28:59
985
980
975
0
200
400
600
800
Pressure in

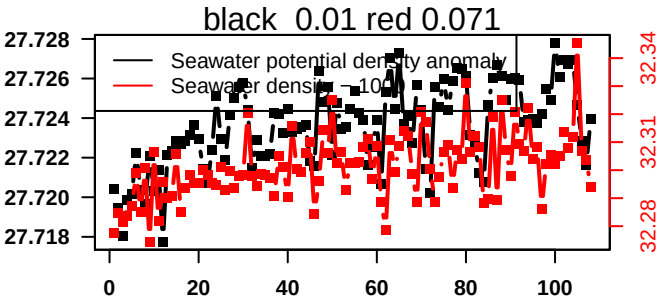

black 0.028 red 0.074
Seawater potential density anomaly
Seawater density − 1000
27.735
27.730
27.725
27.720
27.715
27.710
32.24
32.20
0
20
40
60
80
100

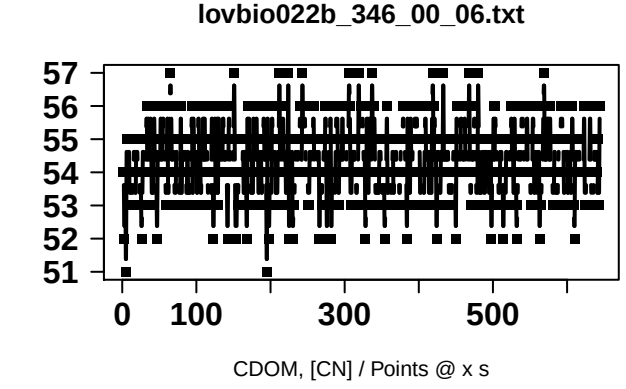

lovbio022b_345_00_06.txt
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

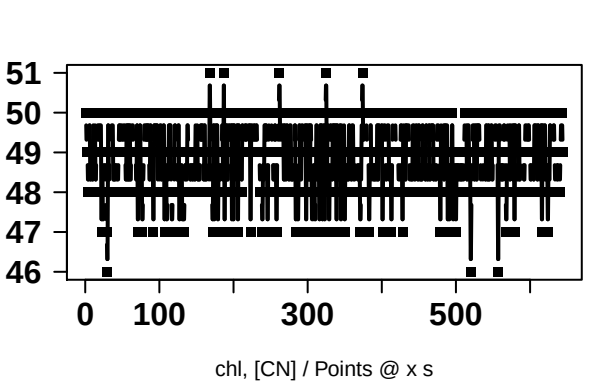

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

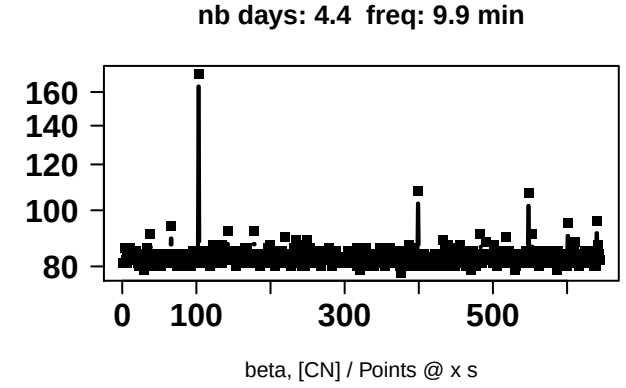

nb days: 4.4 freq: 9.8 min
220
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

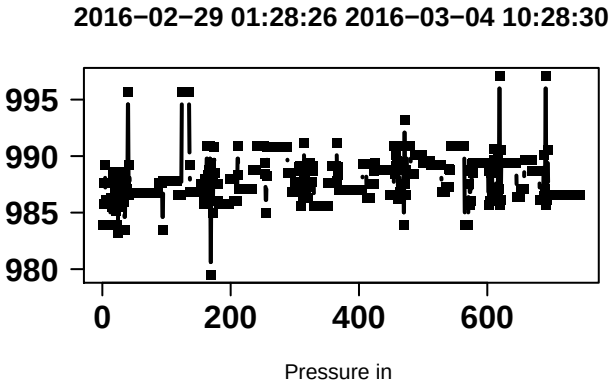

2016−02−23 23:41:04 2016−02−28 10:21:05
1000
995
990
0
200
400
600
Pressure in

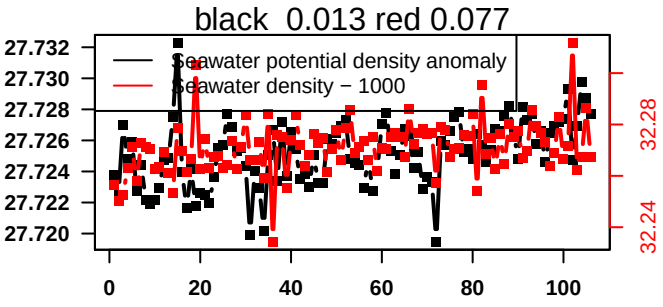

black 0.01 red 0.071
Seawater potential density anomaly
27.728
27.726
27.724
27.722
27.720
27.718
32.34
32.31
32.28
0
20
40
60
80
100

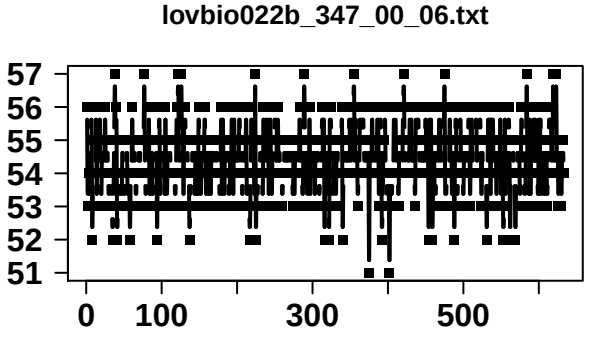

lovbio022b_346_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

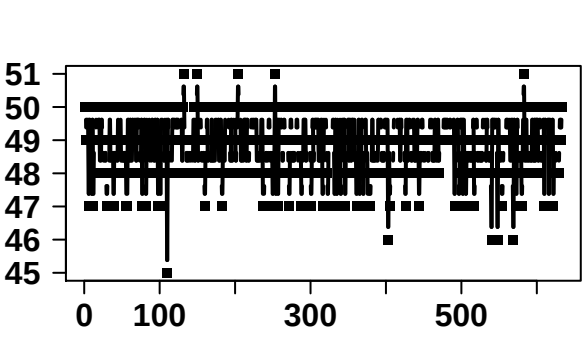

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

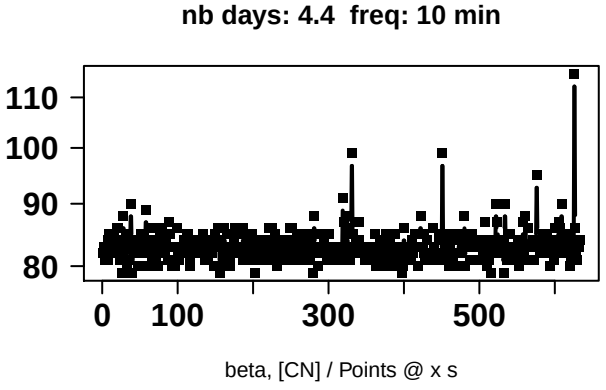

nb days: 4.4 freq: 9.9 min
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

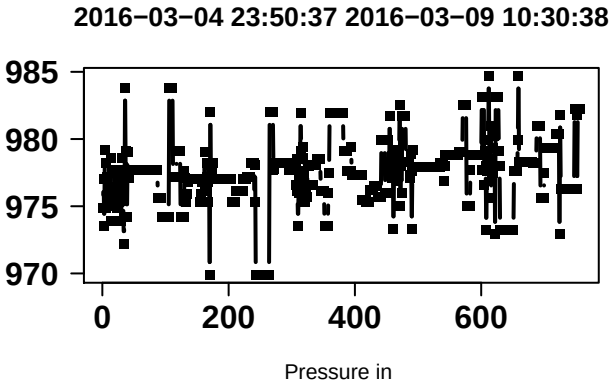

2016−02−29 01:28:26 2016−03−04 10:28:30
995
990
985
980
0
200
400
600
Pressure in

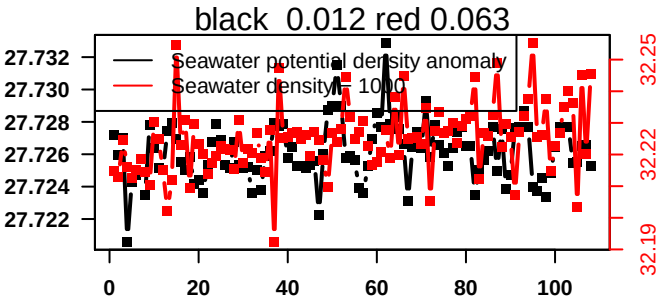

black 0.013 red 0.077
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
27.720
32.28
32.24
0
20
40
60
80
100

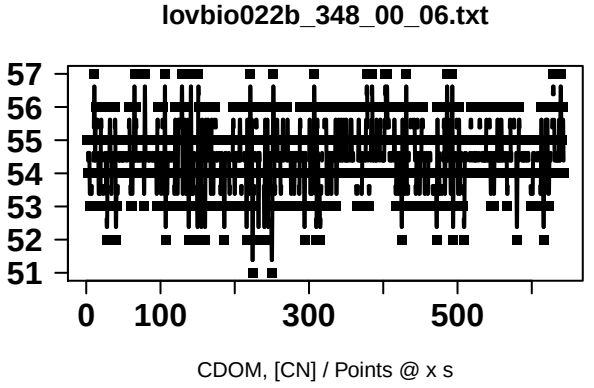

lovbio022b_347_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

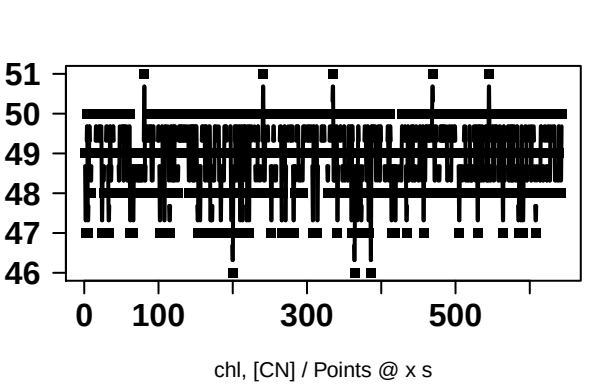

51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s

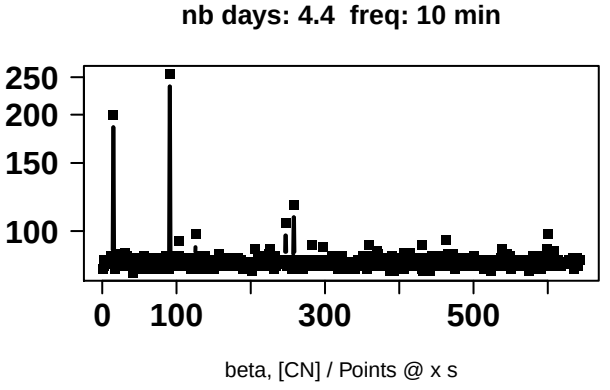

nb days: 4.4 freq: 10 min
110
100
90
80
0
100
300
500
beta, [CN] / Points @ x s

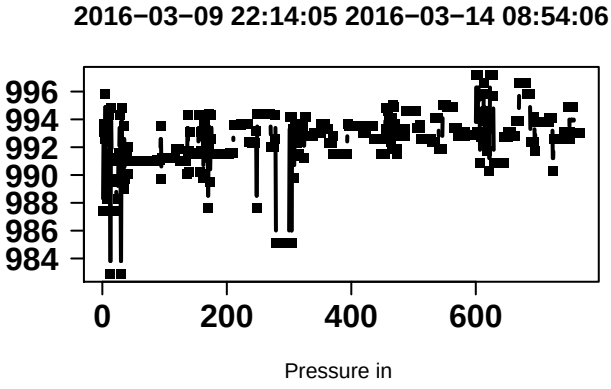

2016−03−04 23:50:37 2016−03−09 10:30:38
985
980
975
970
0
200
400
600
Pressure in

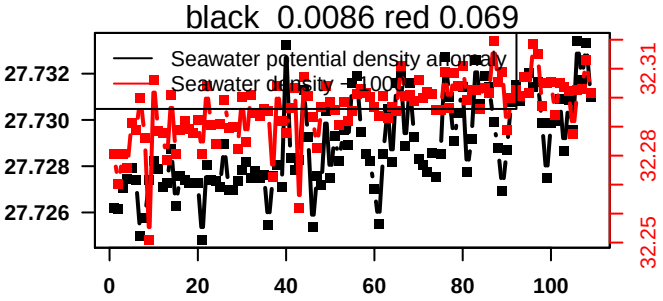

black 0.012 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
27.724
27.722
32.25
32.22
32.19
0
20
40
60
80
100

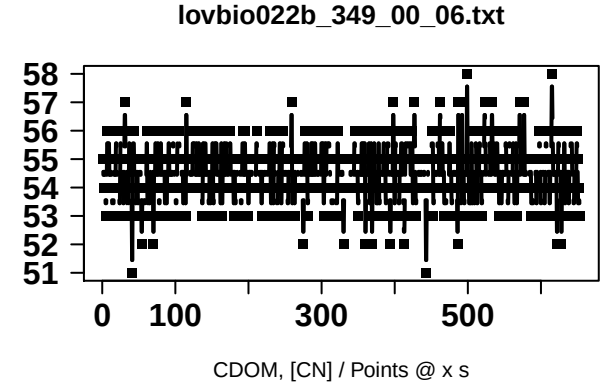

lovbio022b_348_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

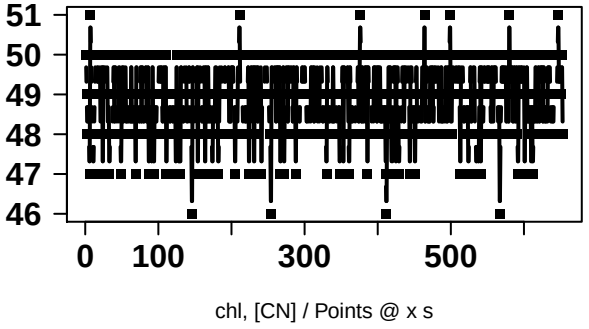

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

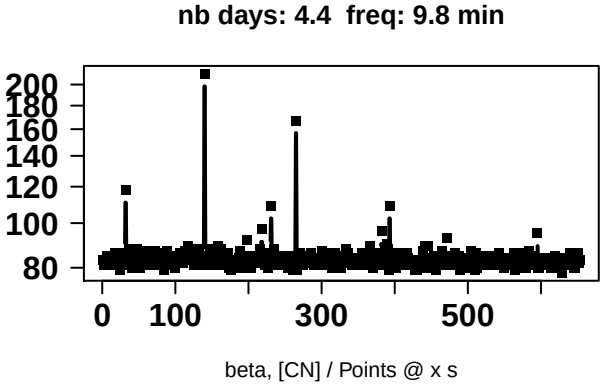

nb days: 4.4 freq: 10 min
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

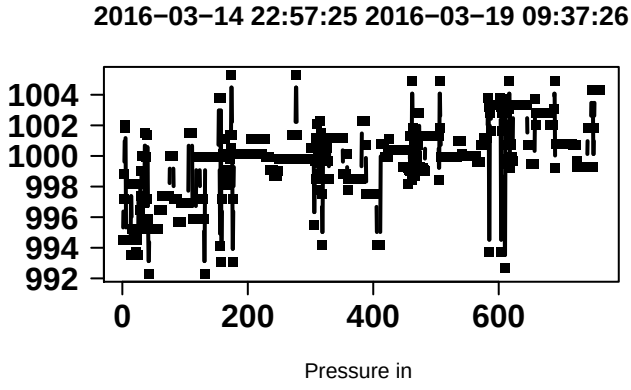

2016−03−09 22:14:05 2016−03−14 08:54:06
996
994
992
990
988
986
984
0
200
400
600
Pressure in

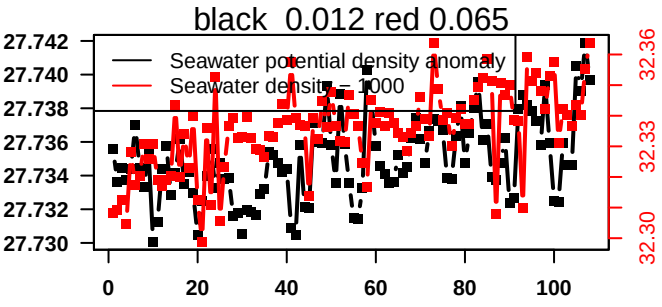

black 0.0086 red 0.069
Seawater potential density anomaly
Seawater density − 1000
27.732
27.730
27.728
27.726
32.31
32.28
32.25
0
20
40
60
80
100

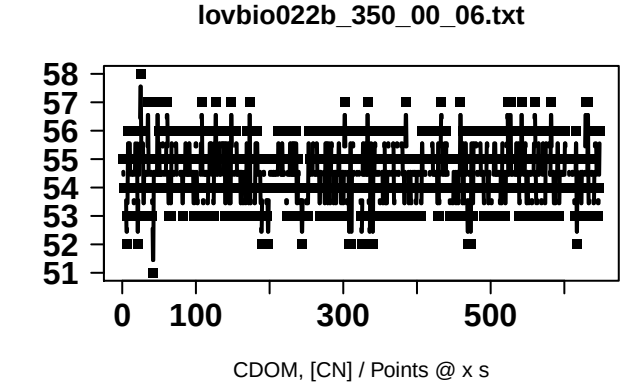

lovbio022b_349_00_06.txt
58
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

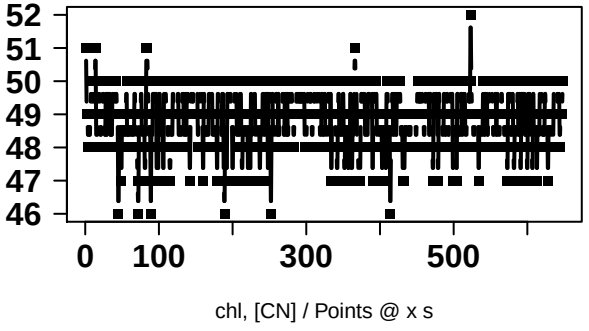

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

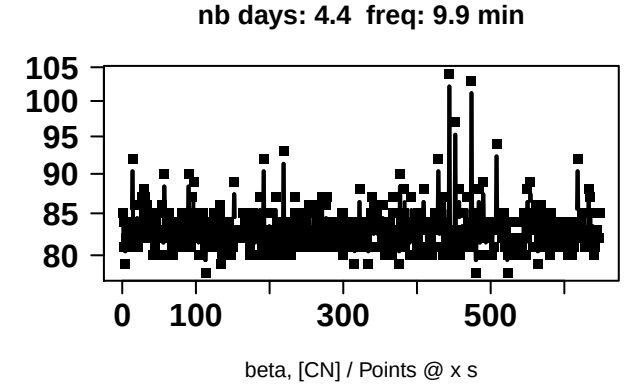

nb days: 4.4 freq: 9.8 min
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

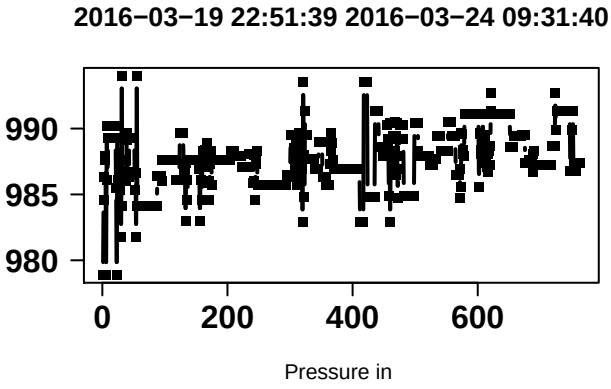

2016−03−14 22:57:25 2016−03−19 09:37:26
1004
1002
1000
998
996
994
992
0
200
400
600
Pressure in

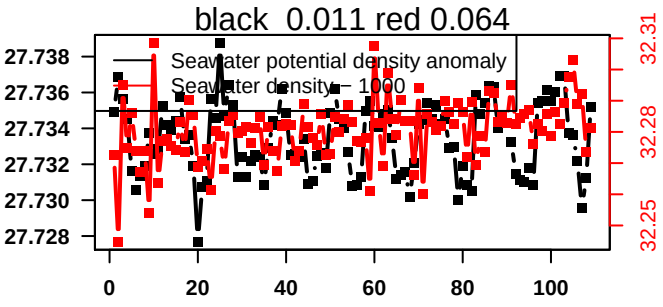

black 0.012 red 0.065
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
27.732
27.730
32.36
32.33
32.30
0
20
40
60
80
100

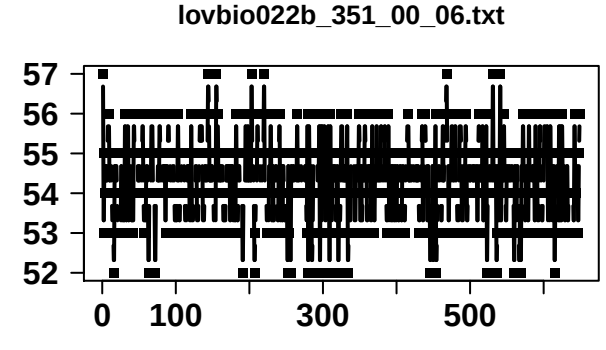

lovbio022b_350_00_06.txt
58
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

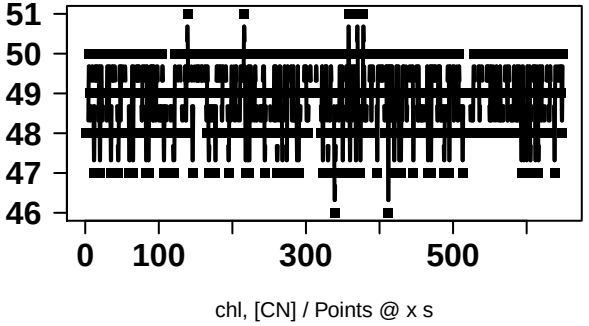

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

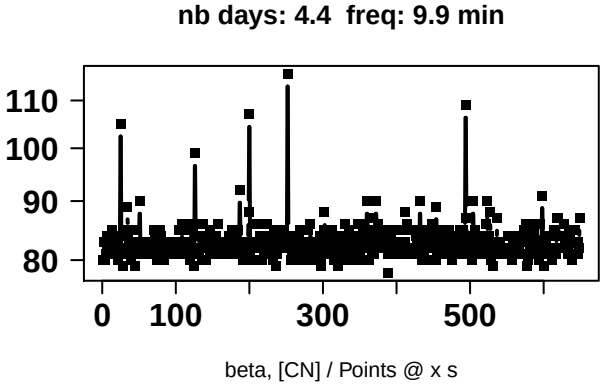

nb days: 4.4 freq: 9.9 min
105
100
95
90
85
80
0
100
300
500
beta, [CN] / Points @ x s

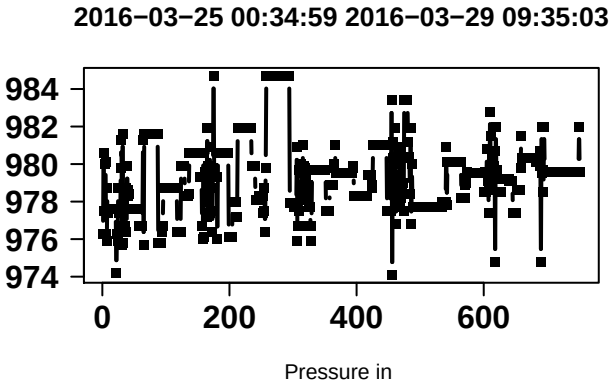

2016−03−19 22:51:39 2016−03−24 09:31:40
990
985
980
0
200
400
600
Pressure in

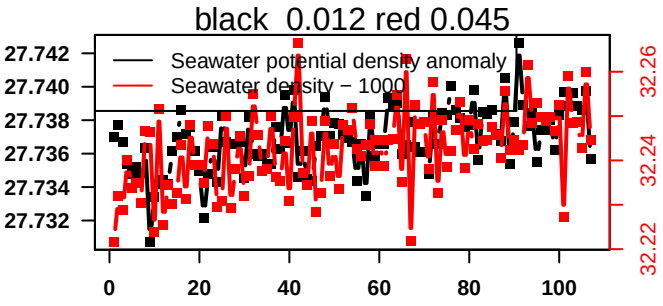

black 0.011 red 0.064
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
27.728
32.31
32.28
32.25
0
20
40
60
80
100

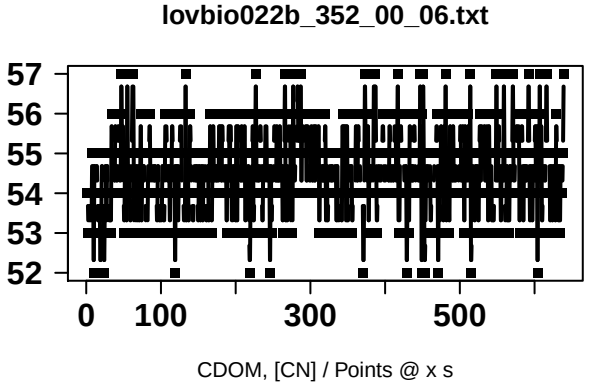

lovbio022b_351_00_06.txt
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

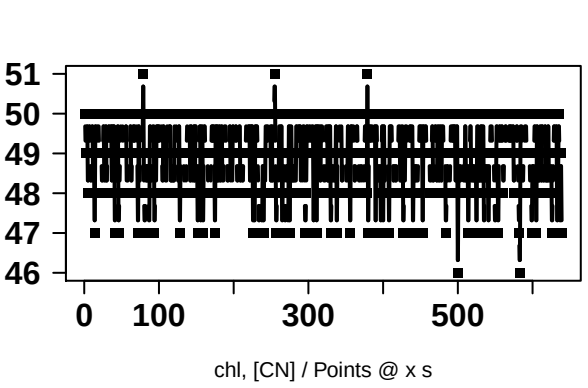

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

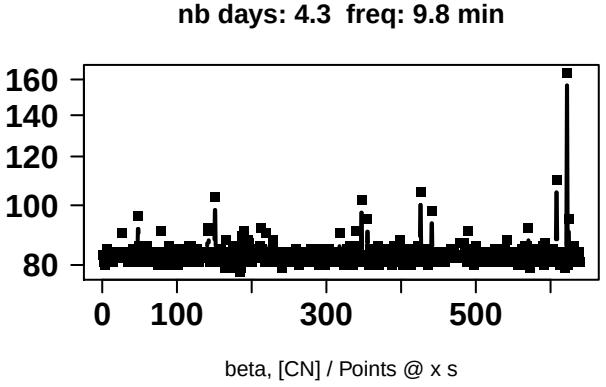

nb days: 4.4 freq: 9.9 min
110
100
90
80
0
100
300
500
beta, [CN] / Points @ x s

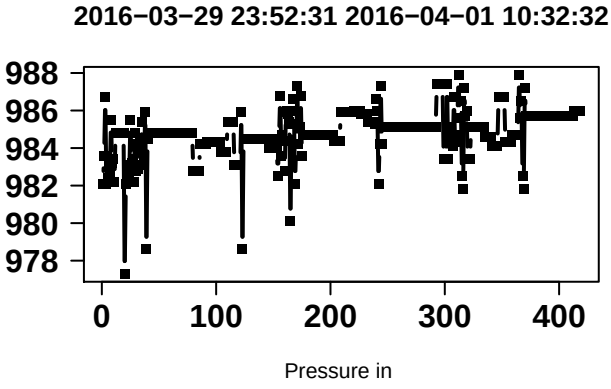

2016−03−25 00:34:59 2016−03−29 09:35:03
984
982
980
978
976
974
0
200
400
600
Pressure in

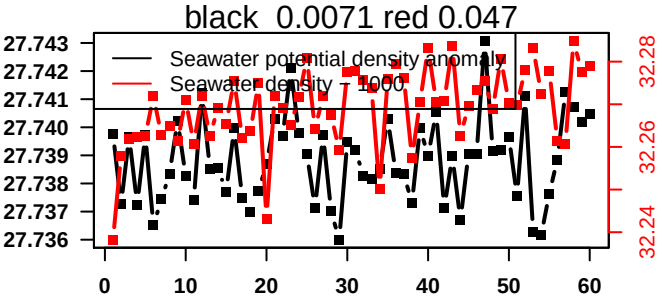

black 0.012 red 0.045
27.742
27.740
27.738
27.736
27.734
27.732
Seawater potential density anomaly
Seawater density − 1000
32.26
32.24
32.22
0
20
40
60
80
100

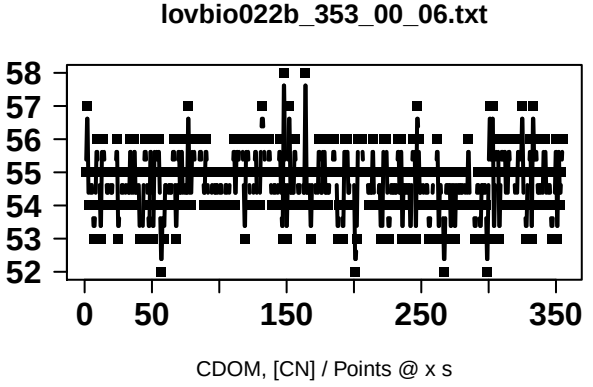

lovbio022b_352_00_06.txt
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

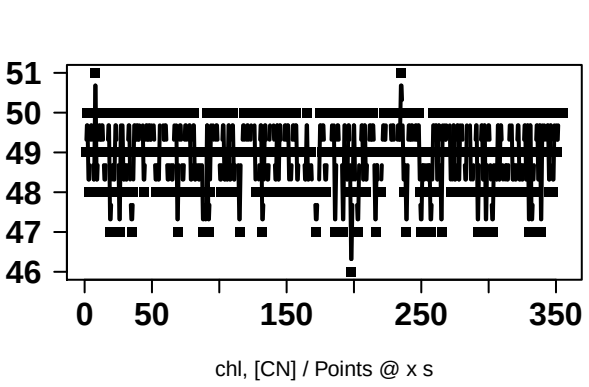

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

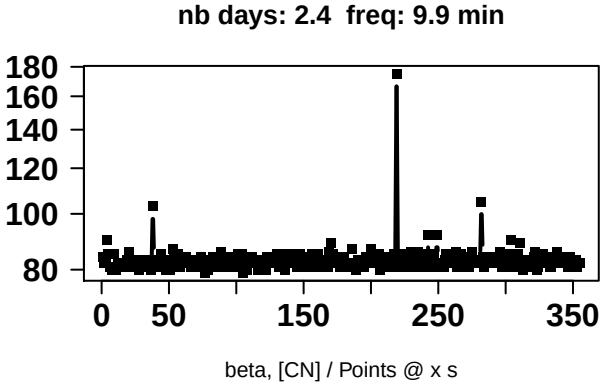

nb days: 4.3 freq: 9.8 min
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

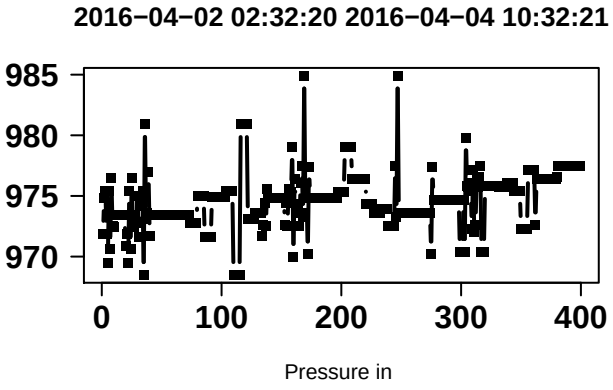

2016−03−29 23:52:31 2016−04−01 10:32:32
988
986
984
982
980
978
0
100
200
300
400
Pressure in

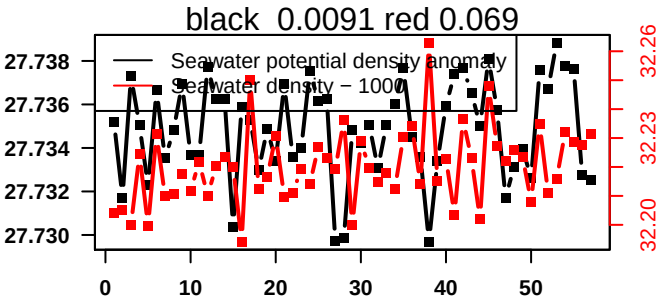

black 0.0071 red 0.047
Seawater potential density anomaly
Seawater density − 1000
27.743
27.742
27.741
27.740
27.739
27.738
27.737
27.736
32.28
32.26
32.24
0
10
20
30
40
50
60

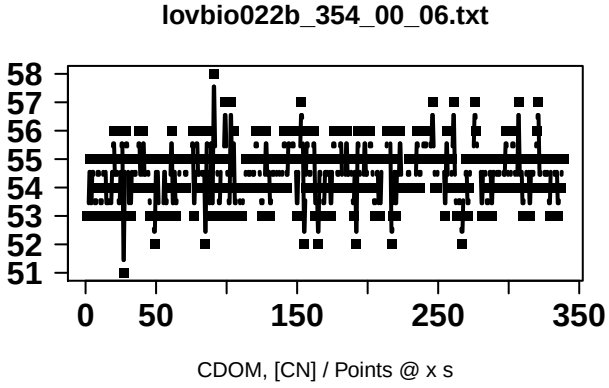

lovbio022b_353_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

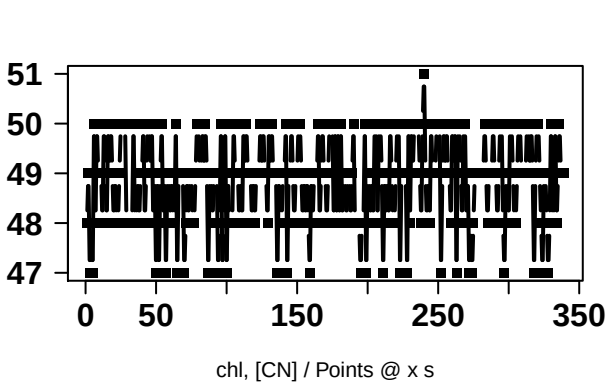

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

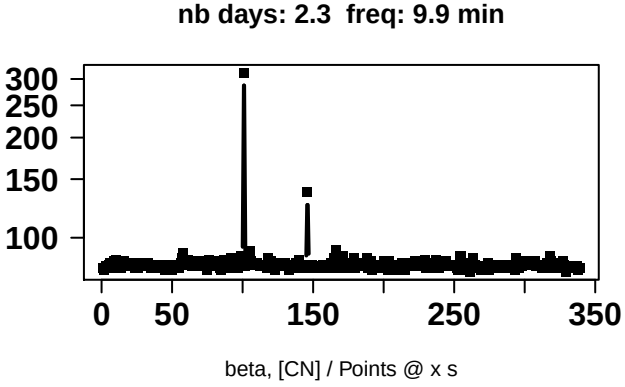

nb days: 2.4 freq: 9.9 min
180
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

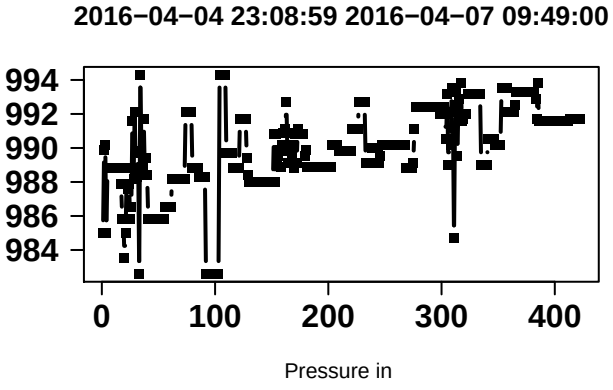

2016−04−02 02:32:20 2016−04−04 10:32:21
985
980
975
970
0
100
200
300
400
Pressure in

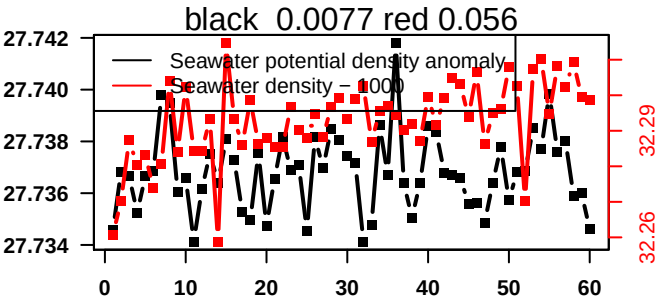

black 0.0091 red 0.069
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.26
32.23
32.20
0
10
20
30
40
50

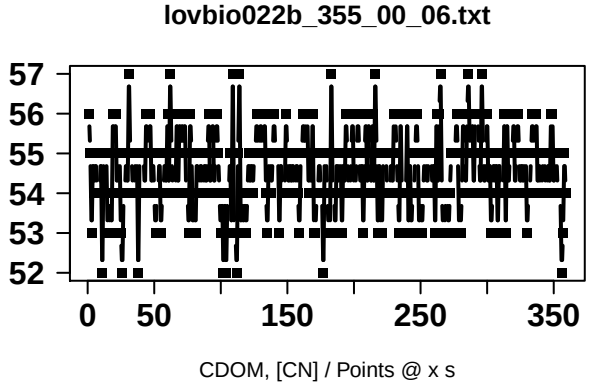

lovbio022b_354_00_06.txt
58
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

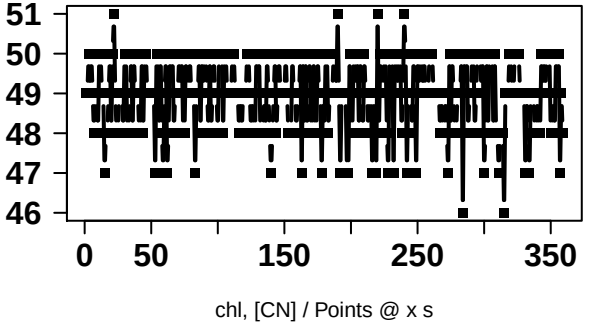

51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

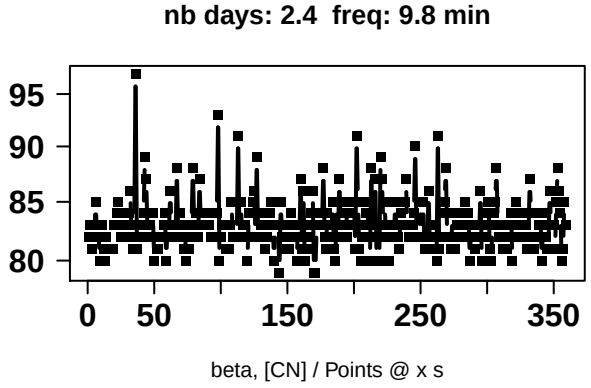

nb days: 2.3 freq: 9.9 min
300
250
200
150
100
0
50
150
250
350
beta, [CN] / Points @ x s

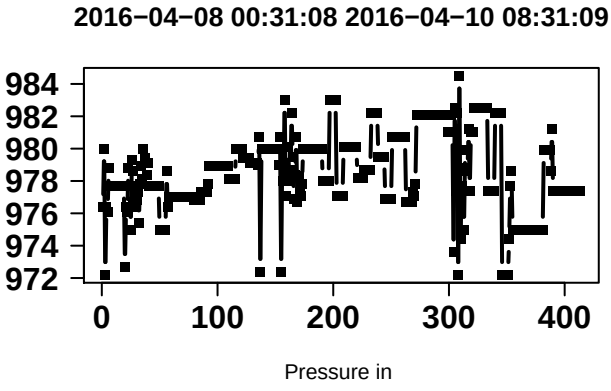

2016−04−04 23:08:59 2016−04−07 09:49:00
994
992
990
988
986
984
0
100
200
300
400
Pressure in

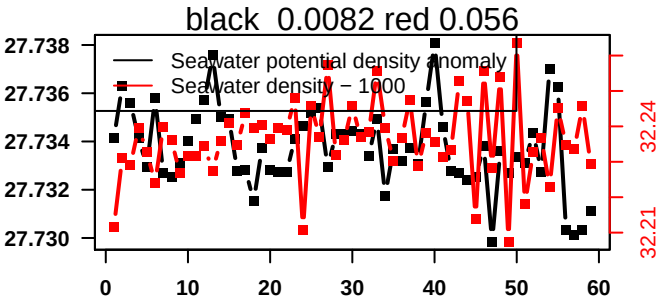

black 0.0077 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
32.29
32.26
0
10
20
30
40
50
60

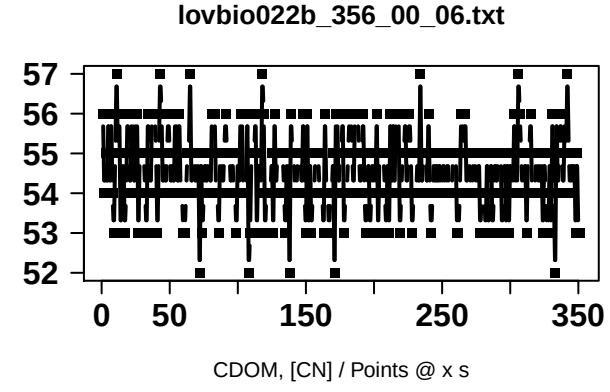

lovbio022b_355_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

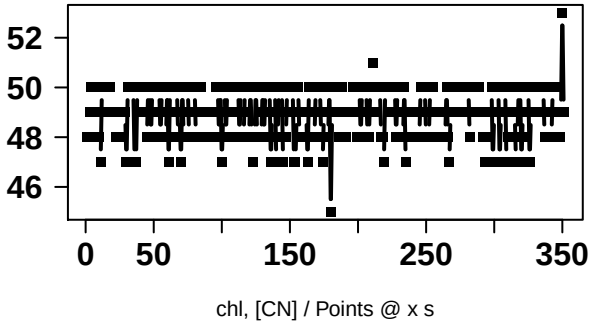

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

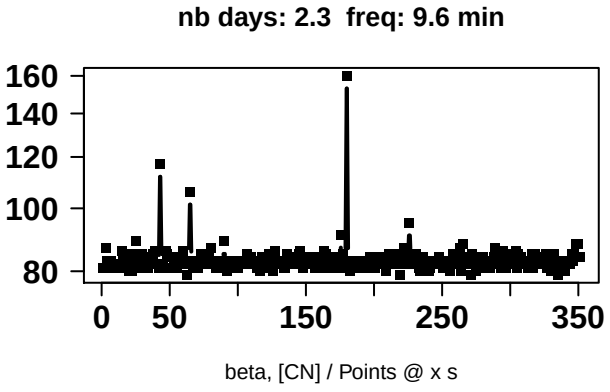

nb days: 2.4 freq: 9.8 min
95
90
85
80
0
50
150
250
350
beta, [CN] / Points @ x s

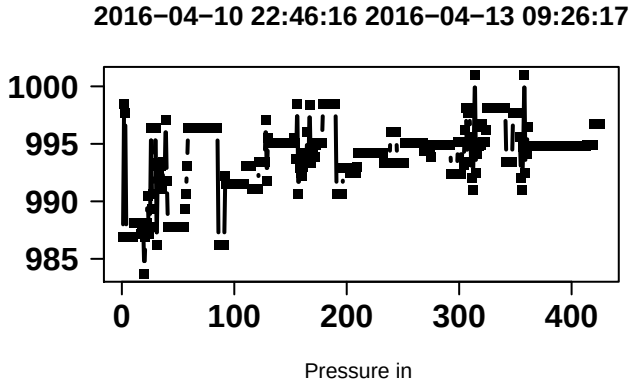

2016−04−08 00:31:08 2016−04−10 08:31:09
984
982
980
978
976
974
972
0
100
200
300
400
Pressure in

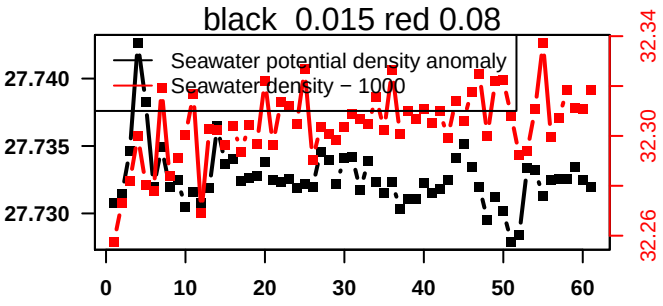

black 0.0082 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.24
32.21
0
10
20
30
40
50
60

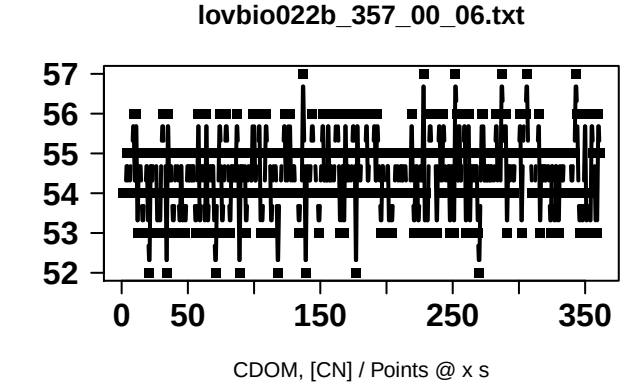

lovbio022b_356_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

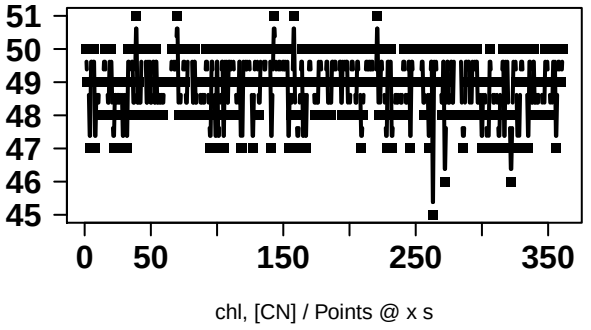

52
50
48
46
0
50
150
250
350
chl, [CN] / Points @ x s

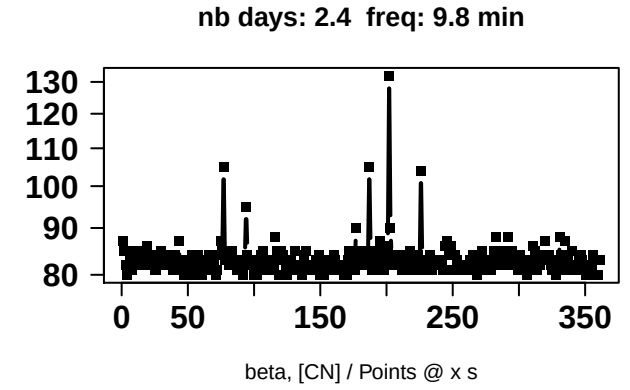

nb days: 2.3 freq: 9.6 min
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

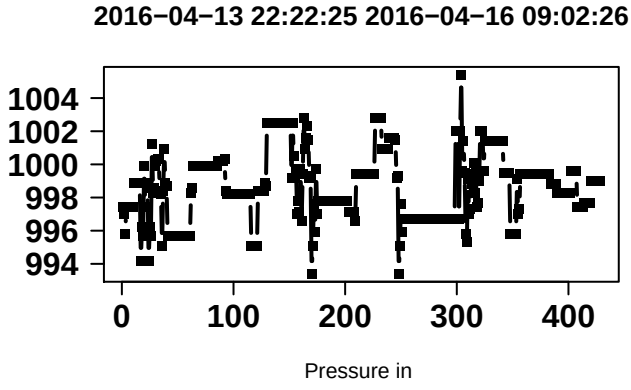

2016−04−10 22:46:16 2016−04−13 09:26:17
1000
995
990
985
0
100
200
300
400
Pressure in

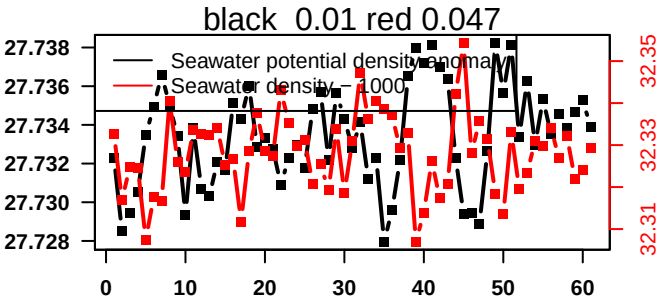

black 0.015 red 0.08
Seawater potential density anomaly
Seawater density − 1000
27.740
27.735
27.730
32.34
32.30
32.26
0
10
20
30
40
50
60

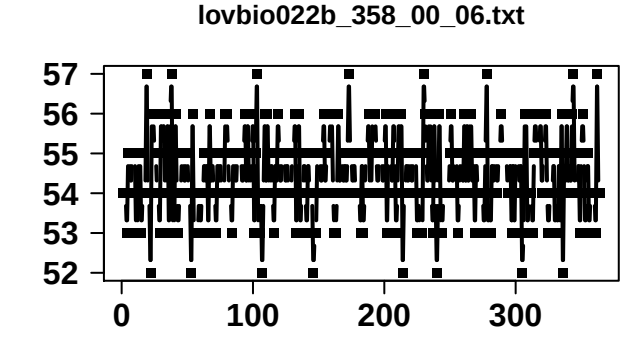

lovbio022b_357_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

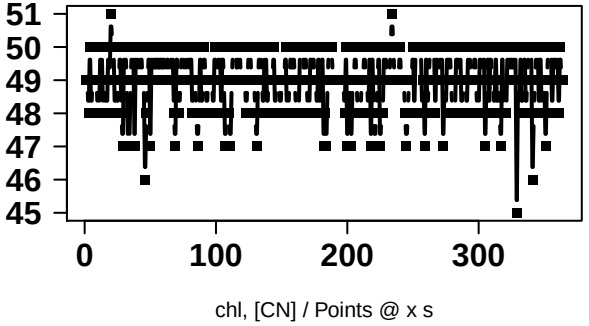

51
50
49
48
47
46
45
0
50
150
250
350
chl, [CN] / Points @ x s

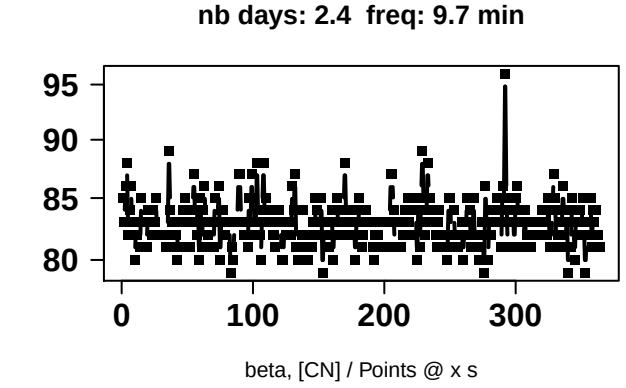

nb days: 2.4 freq: 9.8 min
130
120
110
100
90
80
0
50
150
250
350
beta, [CN] / Points @ x s

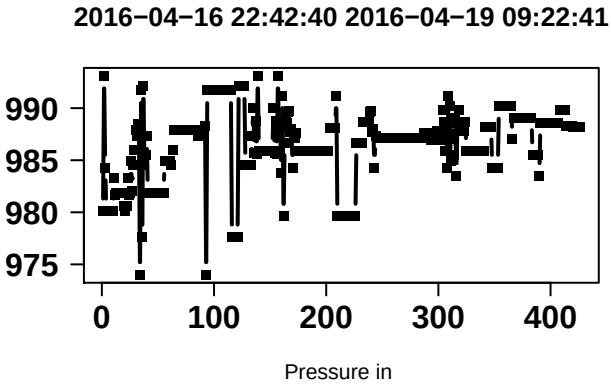

2016−04−13 22:22:25 2016−04−16 09:02:26
1004
1002
1000
998
996
994
0
100
200
300
400
Pressure in

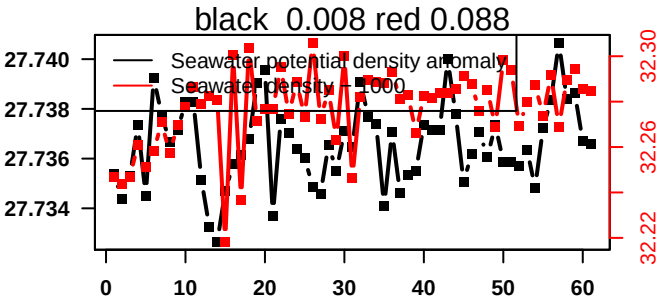

black 0.01 red 0.047
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
27.728
32.35
32.33
32.31
0
10
20
30
40
50
60

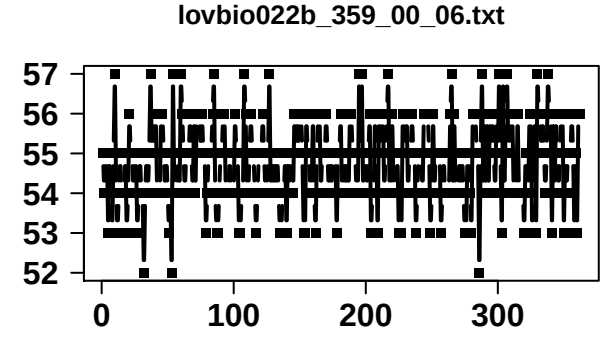

lovbio022b_358_00_06.txt
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

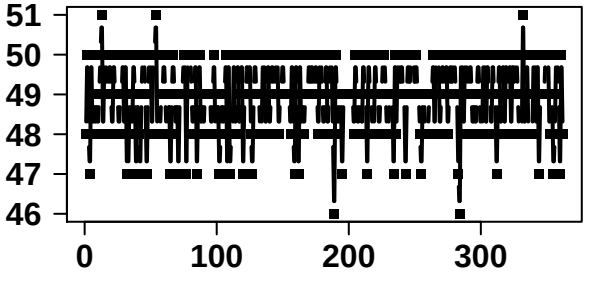

51
50
49
48
47
46
45
0
100
200
300
chl, [CN] / Points @ x s

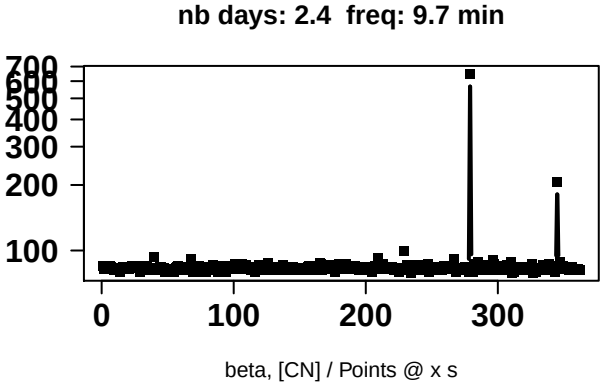

nb days: 2.4 freq: 9.7 min
95
90
85
80
0
100
200
300
beta, [CN] / Points @ x s

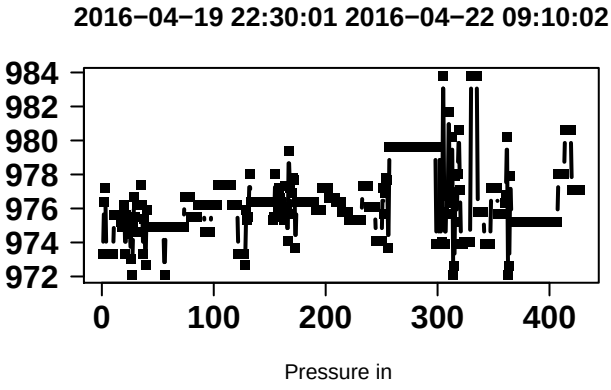

2016−04−16 22:42:40 2016−04−19 09:22:41
990
985
980
975
0
100
200
300
400
Pressure in

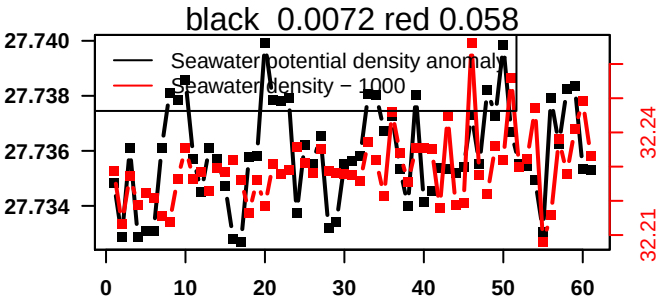

black 0.008 red 0.088
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
32.30
32.26
32.22
0
10
20
30
40
50
60

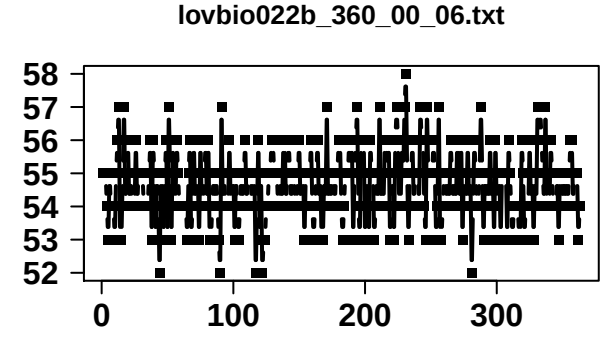

lovbio022b_359_00_06.txt
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

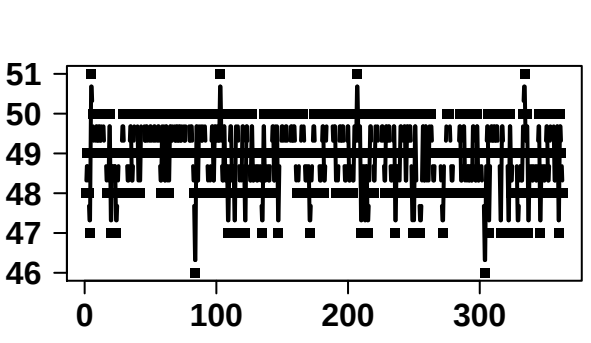

51
50
49
48
47
46
0
100
200
300
chl, [CN] / Points @ x s

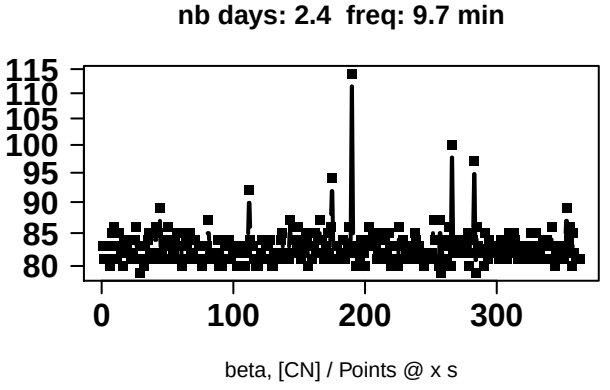

nb days: 2.4 freq: 9.7 min
700
600
500
400
300
200
100
0
100
200
300
beta, [CN] / Points @ x s

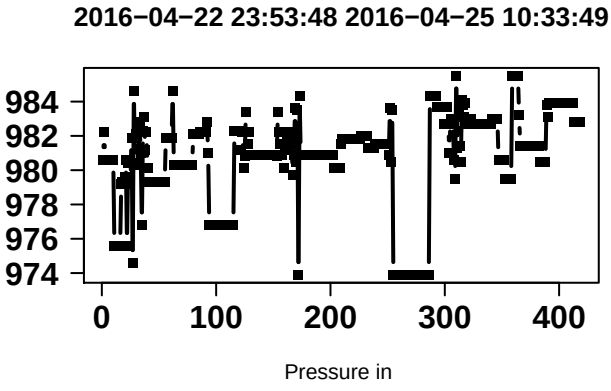

2016−04−19 22:30:01 2016−04−22 09:10:02
984
982
980
978
976
974
972
0
100
200
300
400
Pressure in

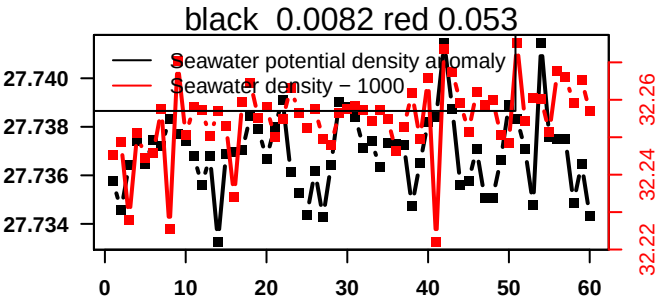

black 0.0072 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
32.24
32.21
0
10
20
30
40
50
60

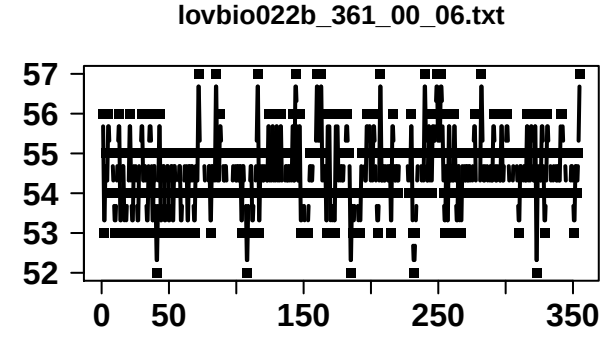

lovbio022b_360_00_06.txt
58
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

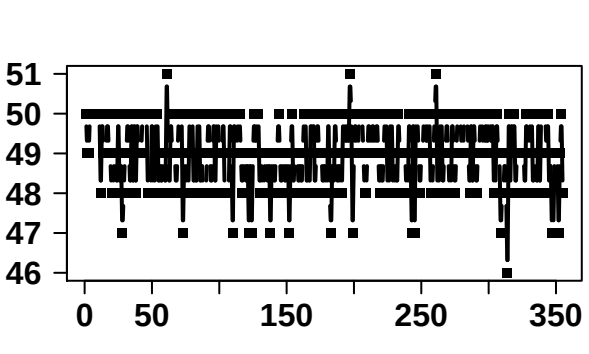

51
50
49
48
47
46
0
100
200
300
chl, [CN] / Points @ x s

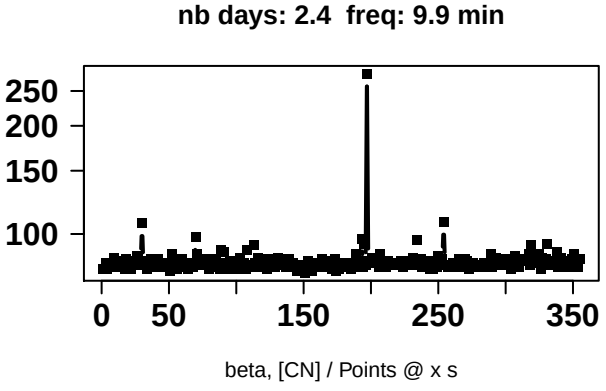

nb days: 2.4 freq: 9.7 min
115
110
105
100
95
90
85
80
0
100
200
300
beta, [CN] / Points @ x s

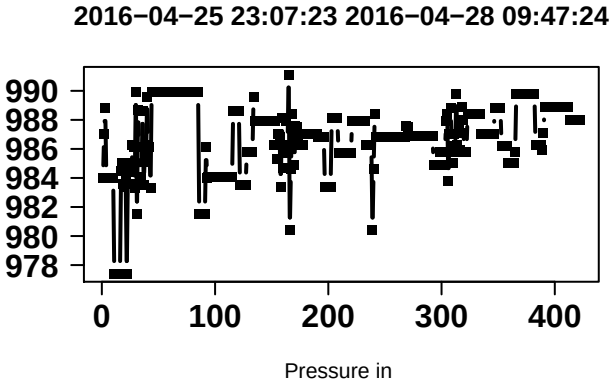

2016−04−22 23:53:48 2016−04−25 10:33:49
984
982
980
978
976
974
0
100
200
300
400
Pressure in

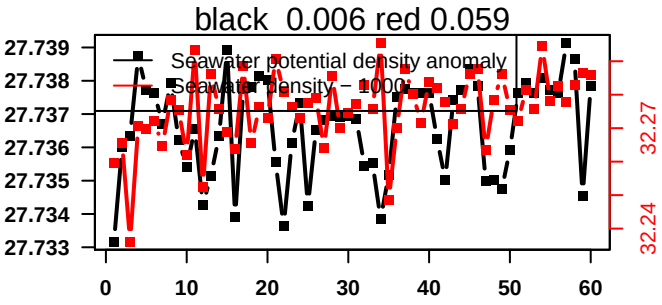

black 0.0082 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
32.26
32.24
32.22
0
10
20
30
40
50
60

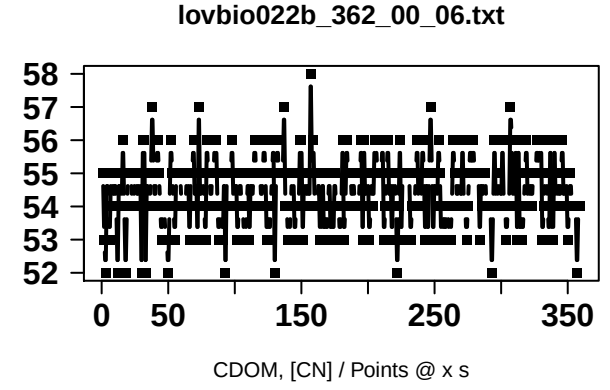

lovbio022b_361_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

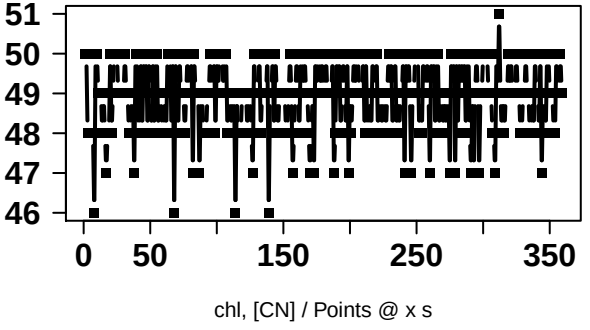

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

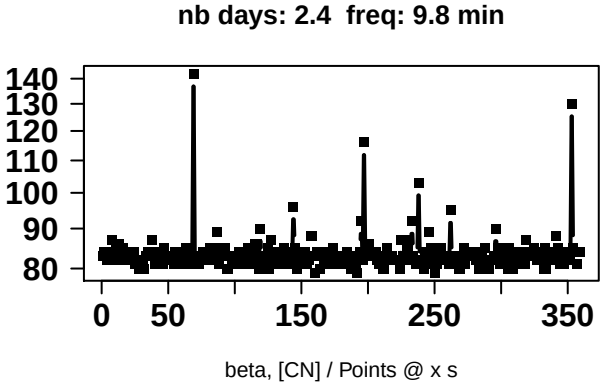

nb days: 2.4 freq: 9.9 min
250
200
150
100
0
50
150
250
350
beta, [CN] / Points @ x s

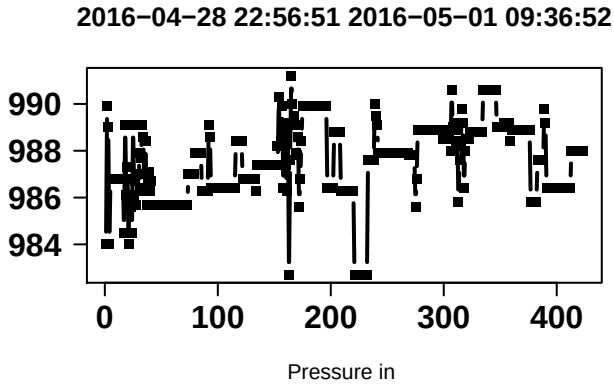

2016−04−25 23:07:23 2016−04−28 09:47:24
990
988
986
984
982
980
978
0
100
200
300
400
Pressure in

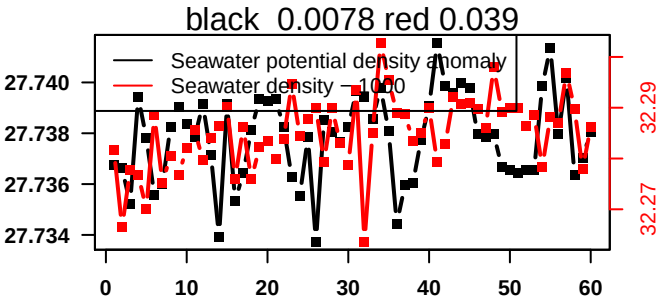

black 0.006 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.739
27.738
27.737
27.736
27.735
27.734
27.733
32.27
32.24
0
10
20
30
40
50
60

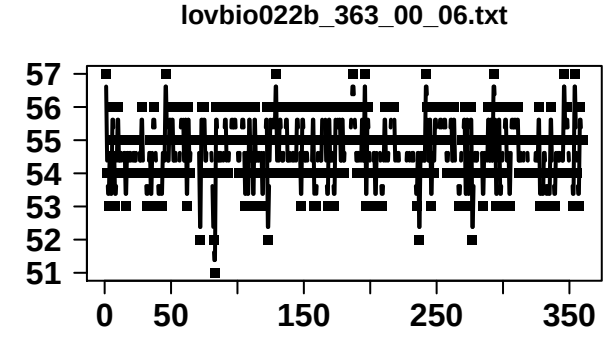

lovbio022b_362_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

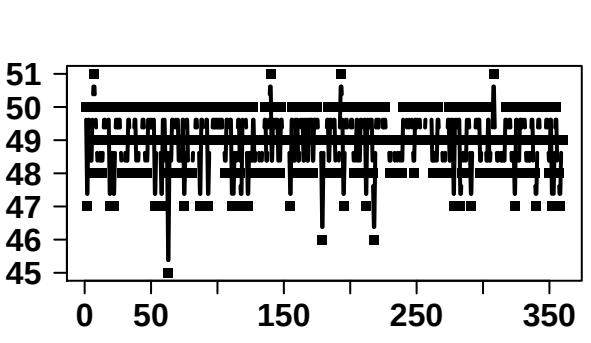

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

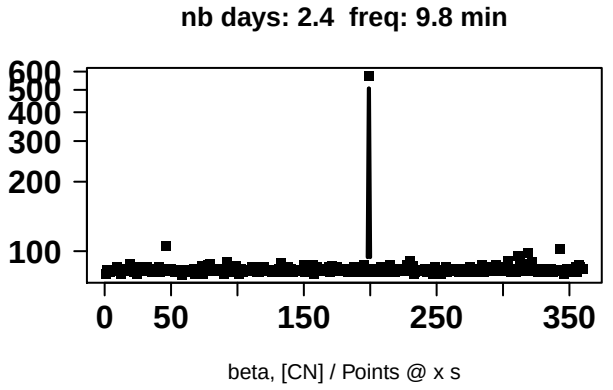

nb days: 2.4 freq: 9.8 min
140
130
120
110
100
90
80
0
50
150
250
350
beta, [CN] / Points @ x s

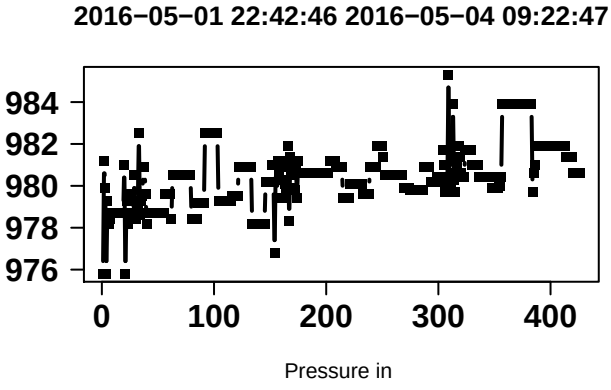

2016−04−28 22:56:51 2016−05−01 09:36:52
990
988
986
984
0
100
200
300
400
Pressure in

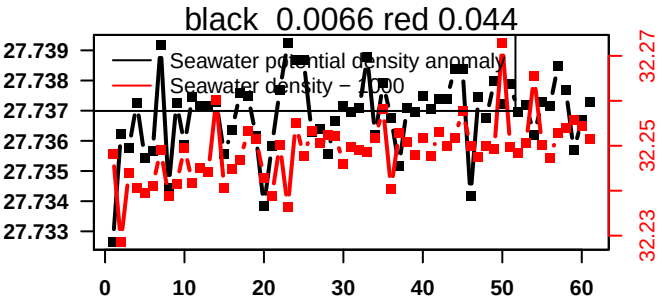

black 0.0078 red 0.039
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
32.29
32.27
0
10
20
30
40
50
60

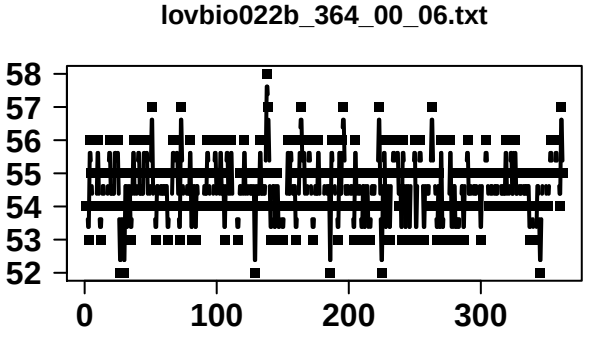

lovbio022b_363_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

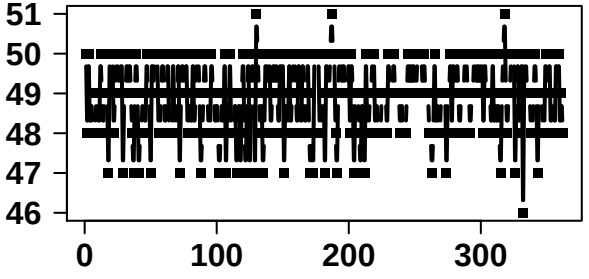

51
50
49
48
47
46
45
0
50
150
250
350
chl, [CN] / Points @ x s

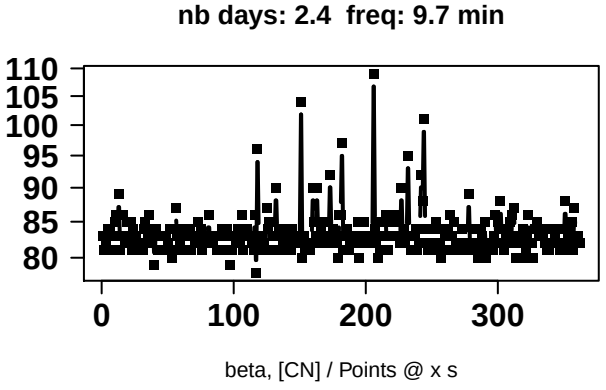

nb days: 2.4 freq: 9.8 min
600
500
400
300
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

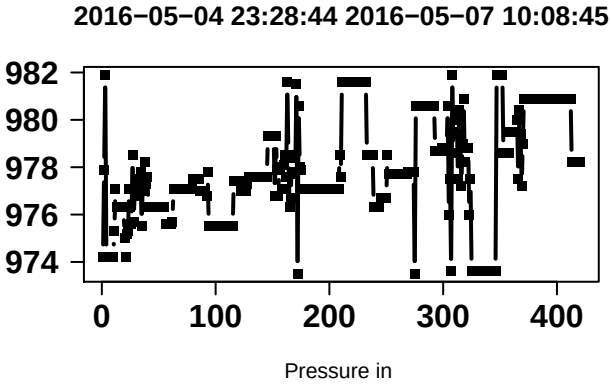

2016−05−01 22:42:46 2016−05−04 09:22:47
984
982
980
978
976
0
100
200
300
400
Pressure in

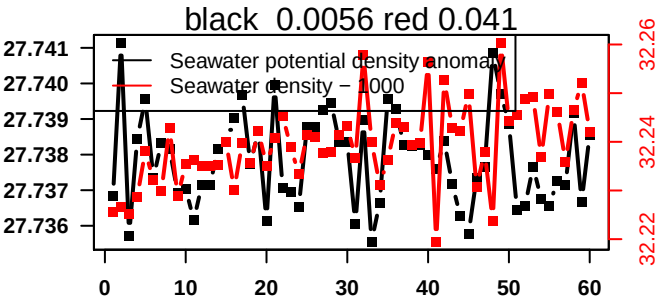

black 0.0066 red 0.044
27.739
27.738
27.737
27.736
27.735
27.734
27.733
Seawater potential density anomaly
Seawater density − 1000
32.27
32.25
32.23
0
10
20
30
40
50
60

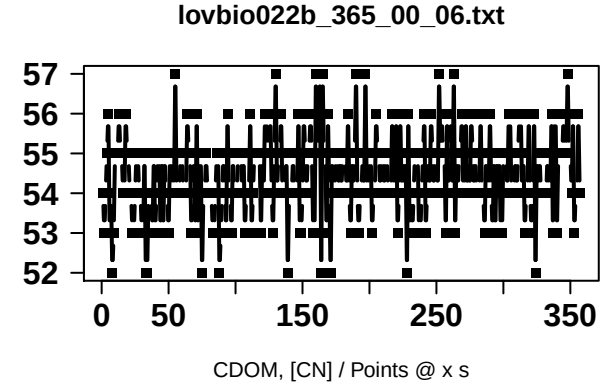

lovbio022b_364_00_06.txt
58
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

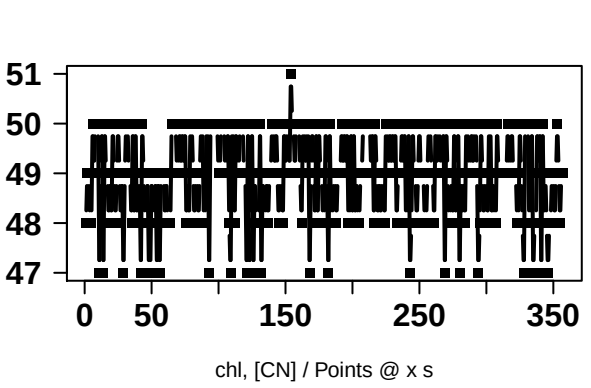

51
50
49
48
47
46
0
100
200
300
chl, [CN] / Points @ x s

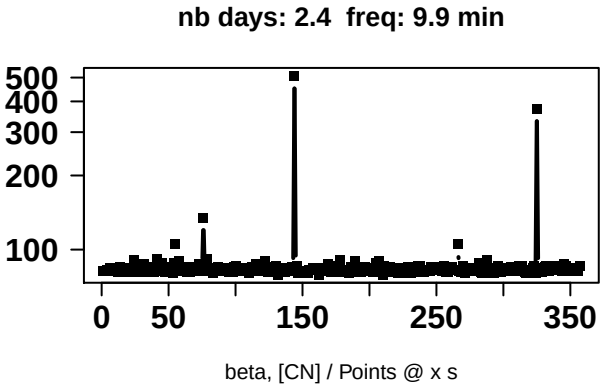

nb days: 2.4 freq: 9.7 min
110
105
100
95
90
85
80
0
100
200
300
beta, [CN] / Points @ x s

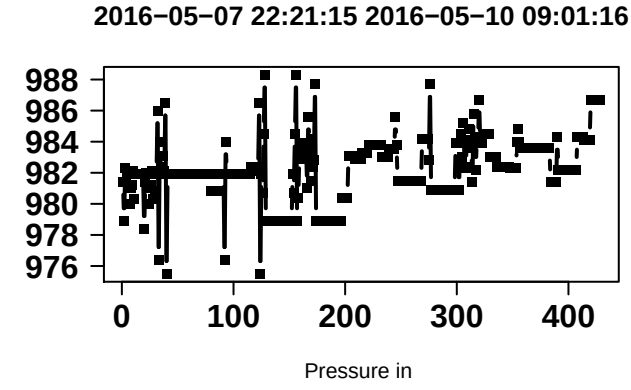

2016−05−04 23:28:44 2016−05−07 10:08:45
982
980
978
976
974
0
100
200
300
400
Pressure in

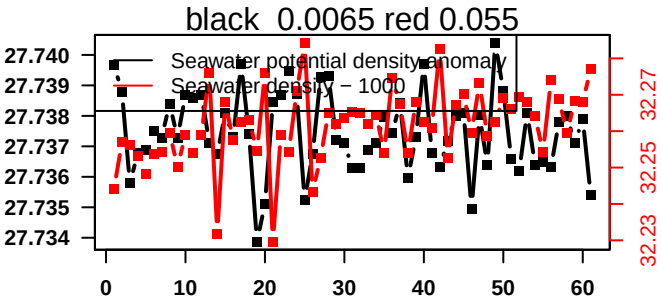

black 0.0056 red 0.041
Seawater potential density anomaly
Seawater density − 1000
27.741
27.740
27.739
27.738
27.737
27.736
32.26
32.24
32.22
0
10
20
30
40
50
60

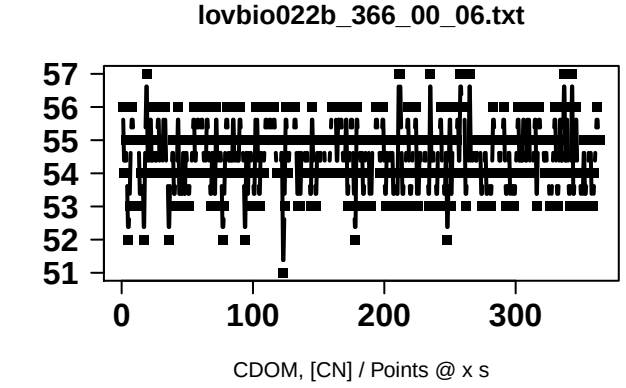

lovbio022b_365_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

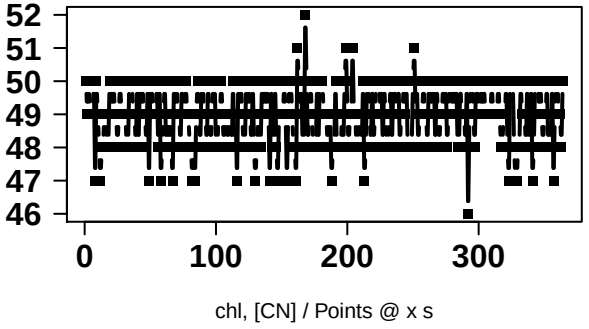

51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

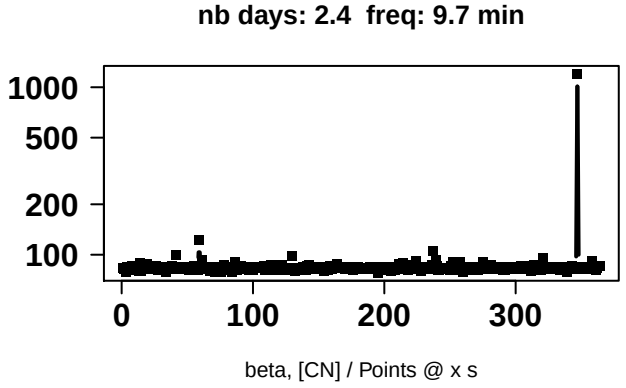

nb days: 2.4 freq: 9.9 min
500
400
300
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

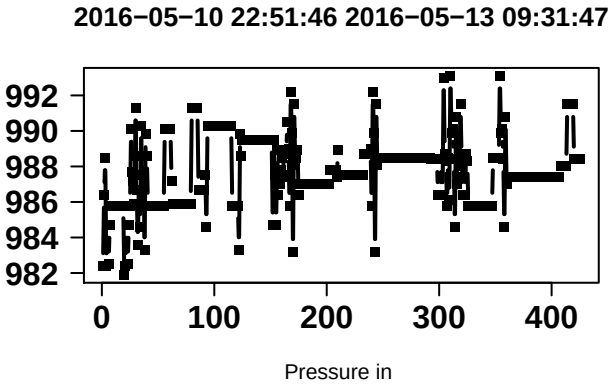

2016−05−07 22:21:15 2016−05−10 09:01:16
988
986
984
982
980
978
976
0
100
200
300
400
Pressure in

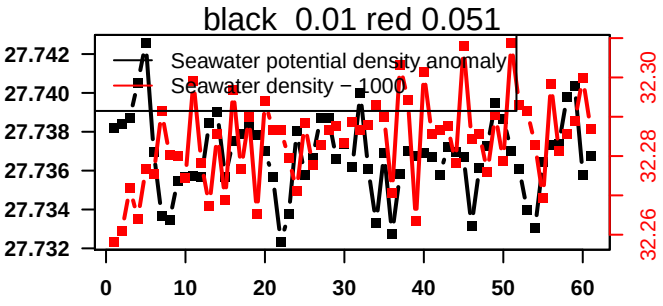

black 0.0065 red 0.055
Seawater potential density anomaly
Seawater density − 1000
27.740
27.739
27.738
27.737
27.736
27.735
27.734
32.27
32.25
32.23
0
10
20
30
40
50
60

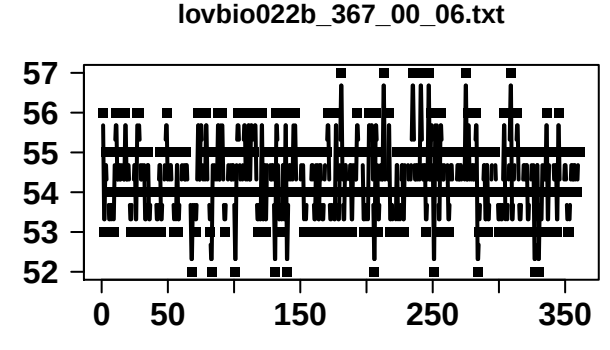

lovbio022b_366_00_06.txt
57
56
55
54
53
52
51
0
100
200
300
CDOM, [CN] / Points @ x s

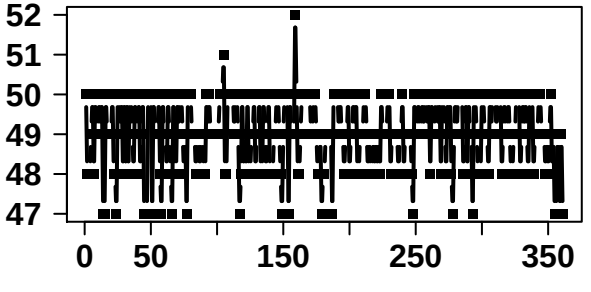

52
51
50
49
48
47
46
0
100
200
300
chl, [CN] / Points @ x s

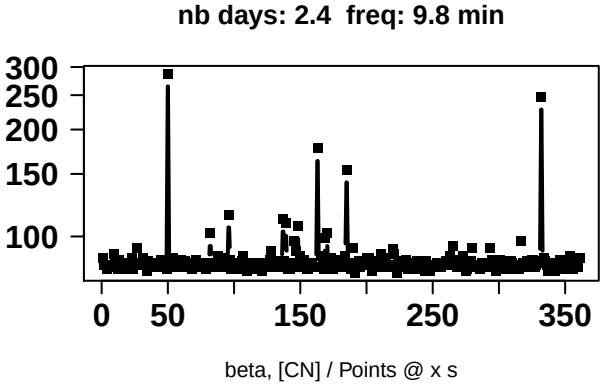

nb days: 2.4 freq: 9.7 min
1000
500
200
100
0
100
200
300
beta, [CN] / Points @ x s

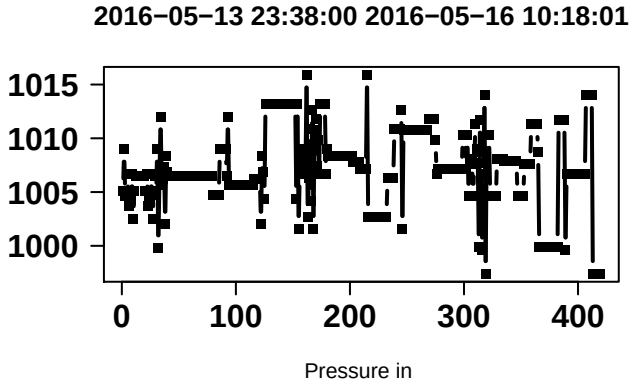

2016−05−10 22:51:46 2016−05−13 09:31:47
992
990
988
986
984
982
0
100
200
300
400
Pressure in

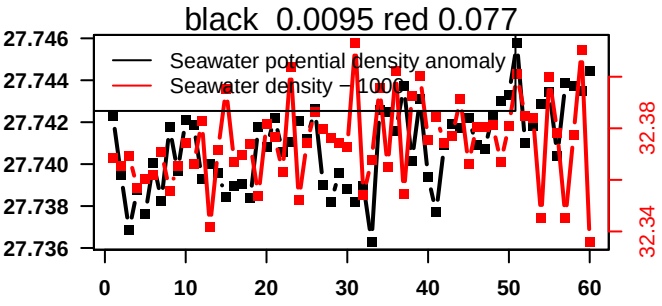

black 0.01 red 0.051
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
27.732
32.30
32.28
32.26
0
10
20
30
40
50
60

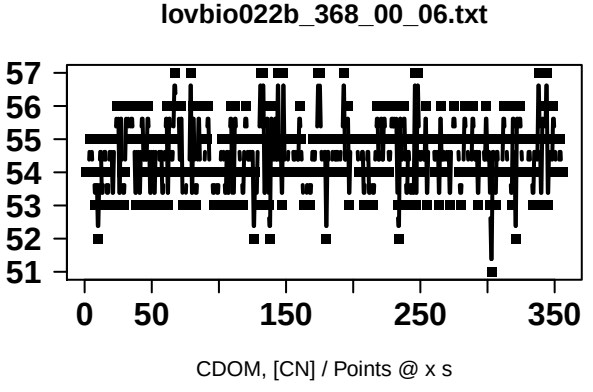

lovbio022b_367_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

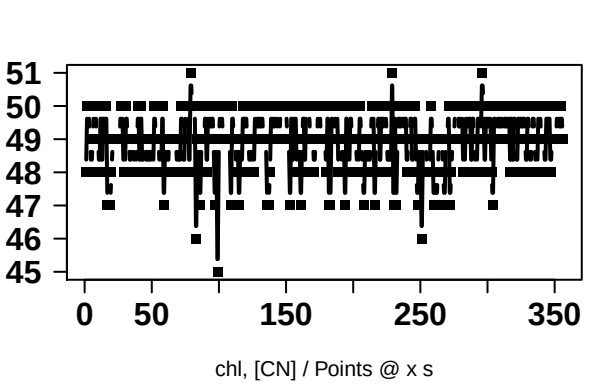

52
51
50
49
48
47
0
50
150
250
350
chl, [CN] / Points @ x s

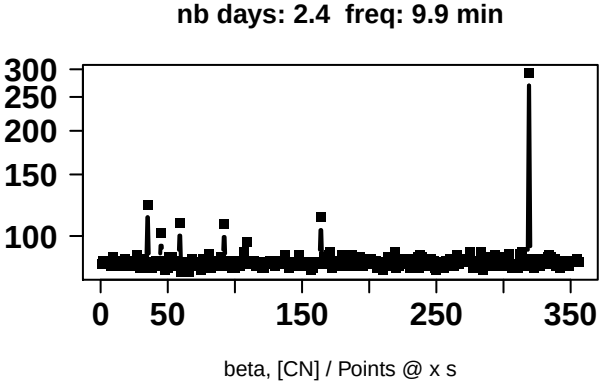

nb days: 2.4 freq: 9.8 min
300
250
200
150
100
0
50
150
250
350
beta, [CN] / Points @ x s

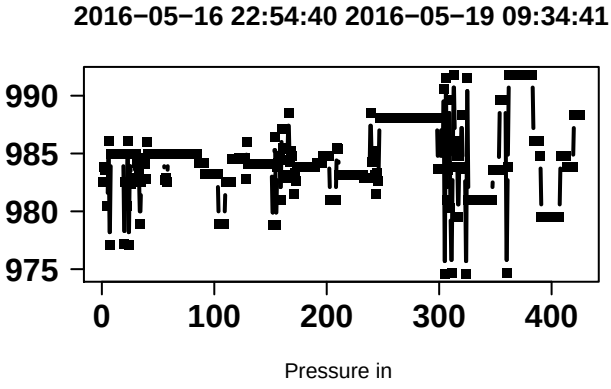

2016−05−13 23:38:00 2016−05−16 10:18:01
1015
1010
1005
1000
0
100
200
300
400
Pressure in

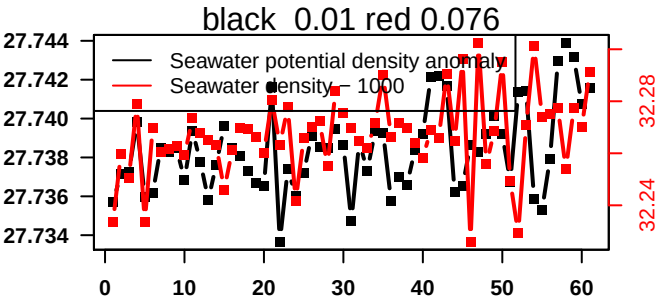

black 0.0095 red 0.077
Seawater potential density anomaly
Seawater density − 1000
27.746
27.744
27.742
27.740
27.738
27.736
32.38
32.34
0
10
20
30
40
50
60

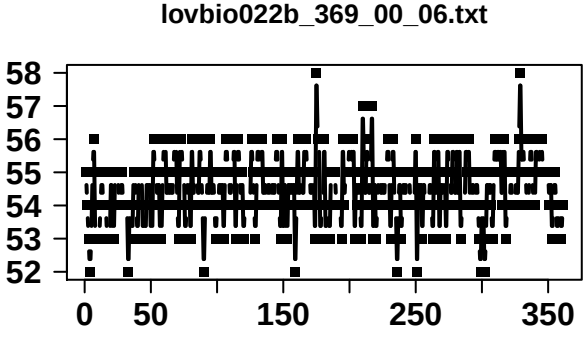

lovbio022b_368_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

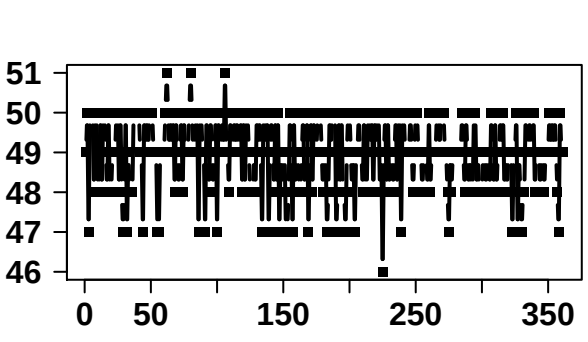

51
50
49
48
47
46
45
0
50
150
250
350
chl, [CN] / Points @ x s

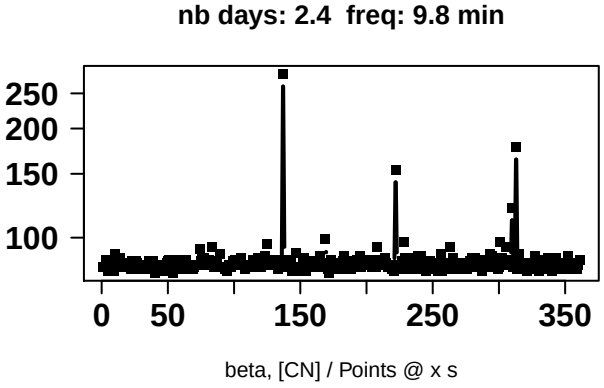

nb days: 2.4 freq: 9.9 min
300
250
200
150
100
0
50
150
250
350
beta, [CN] / Points @ x s

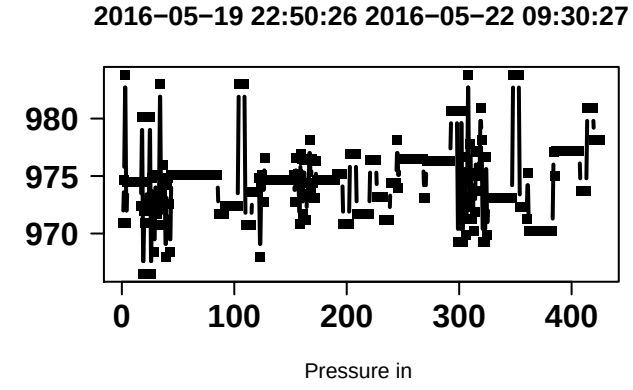

2016−05−16 22:54:40 2016−05−19 09:34:41
990
985
980
975
0
100
200
300
400
Pressure in

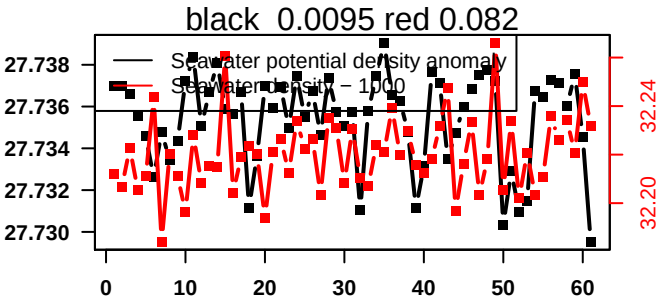

black 0.01 red 0.076
Seawater potential density anomaly
Seawater density − 1000
27.744
27.742
27.740
27.738
27.736
27.734
32.28
32.24
0
10
20
30
40
50
60

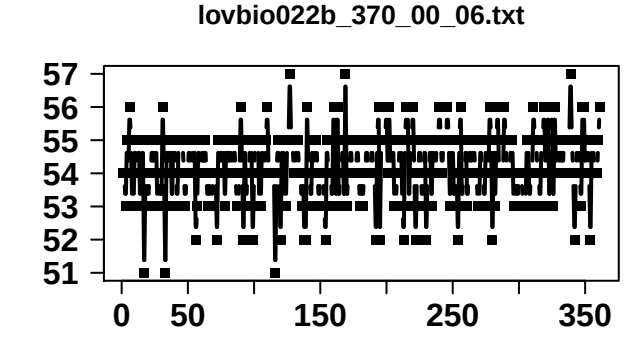

lovbio022b_369_00_06.txt
58
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

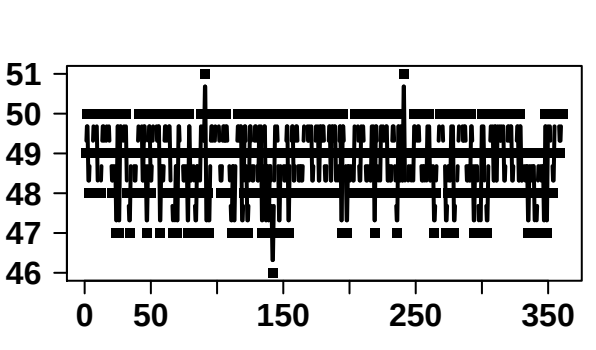

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

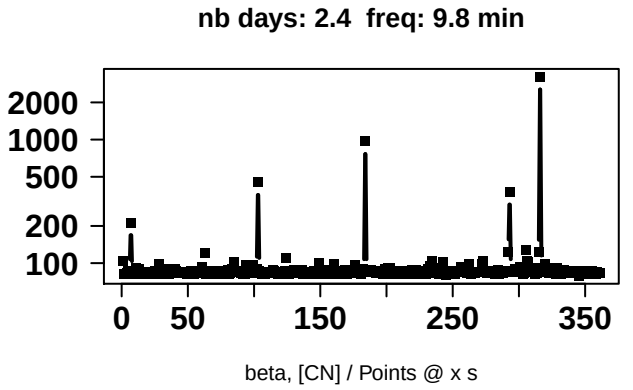

nb days: 2.4 freq: 9.8 min
250
200
150
100
0
50
150
250
350
beta, [CN] / Points @ x s

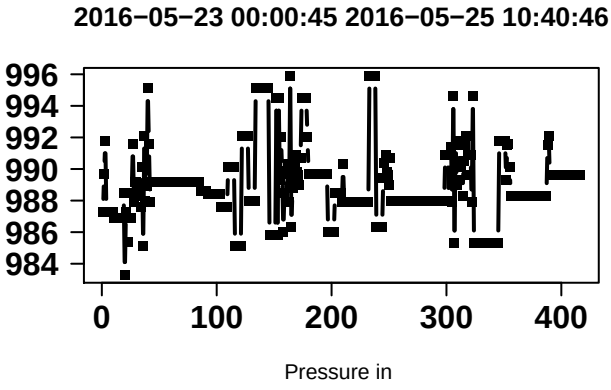

2016−05−19 22:50:26 2016−05−22 09:30:27
980
975
970
0
100
200
300
400
Pressure in

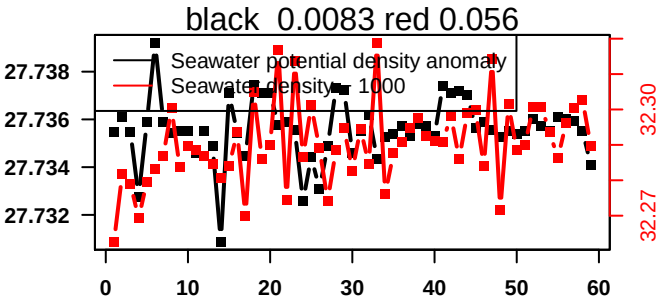

black 0.0095 red 0.082
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
32.24
32.20
0
10
20
30
40
50
60

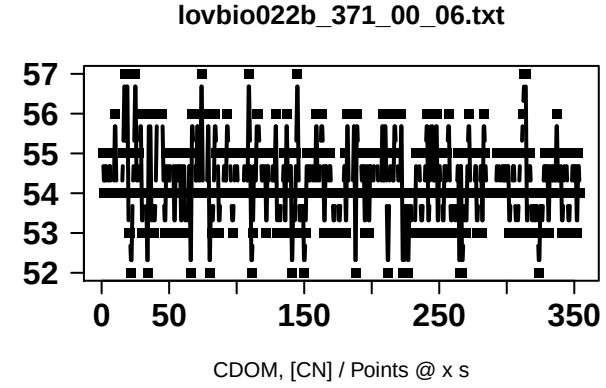

lovbio022b_370_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

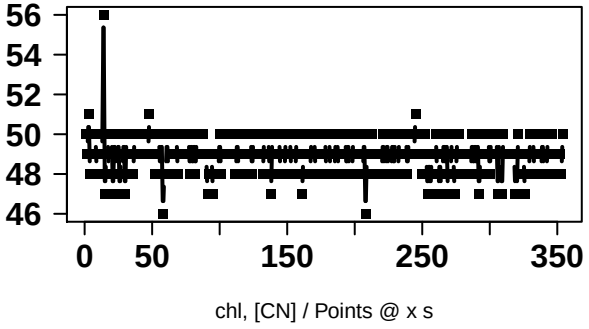

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

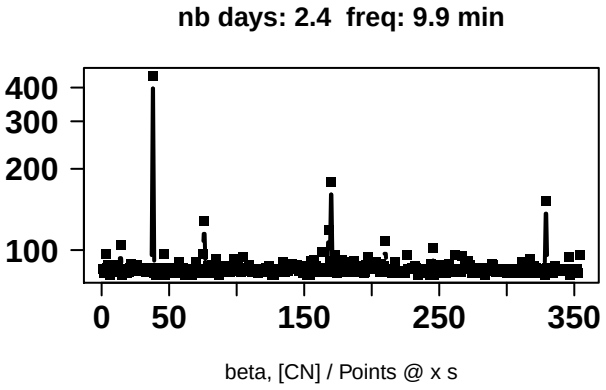

nb days: 2.4 freq: 9.8 min
2000
1000
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

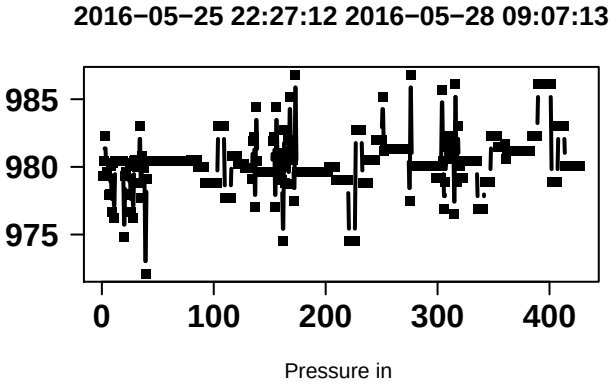

2016−05−23 00:00:45 2016−05−25 10:40:46
996
994
992
990
988
986
984
0
100
200
300
400
Pressure in

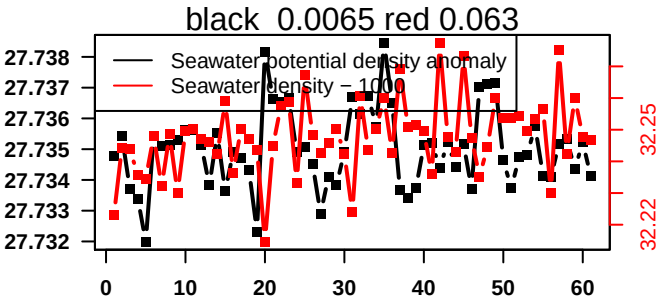

black 0.0083 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
32.30
32.27
0
10
20
30
40
50
60

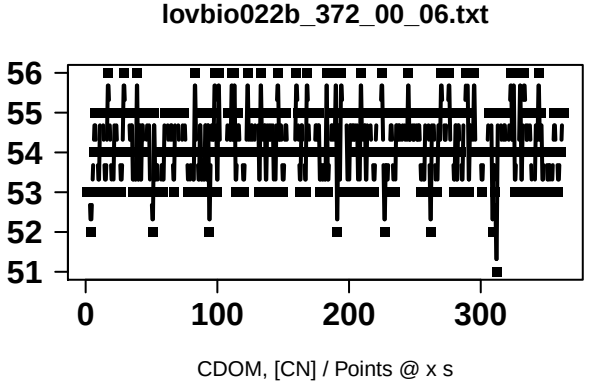

lovbio022b_371_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

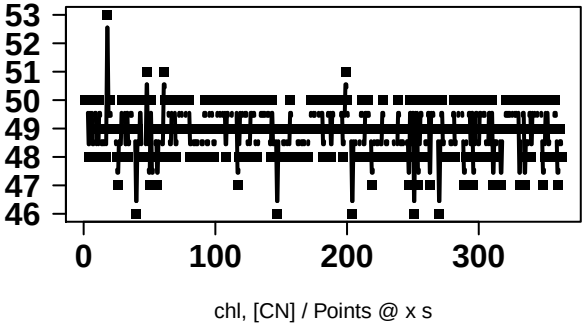

56
54
52
50
48
46
0
50
150
250
350
chl, [CN] / Points @ x s

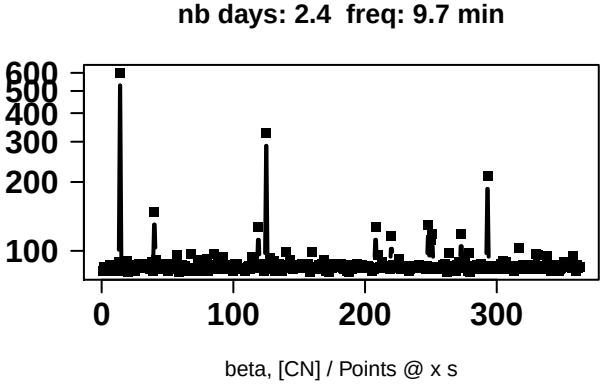

nb days: 2.4 freq: 9.9 min
400
300
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

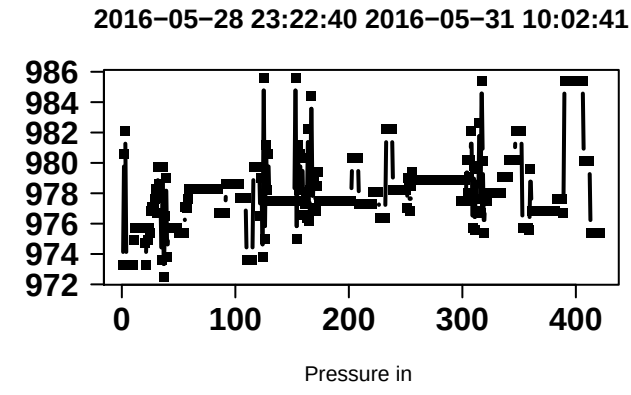

2016−05−25 22:27:12 2016−05−28 09:07:13
985
980
975
0
100
200
300
400
Pressure in

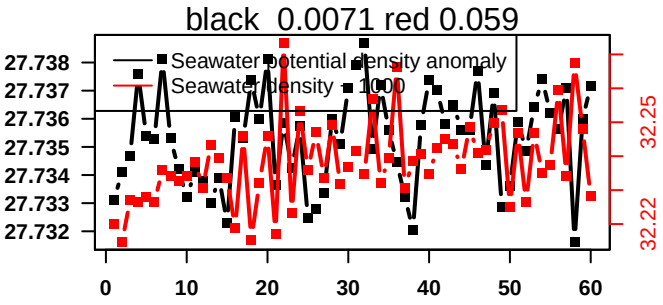

black 0.0065 red 0.063
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
27.732
32.25
32.22
0
10
20
30
40
50
60

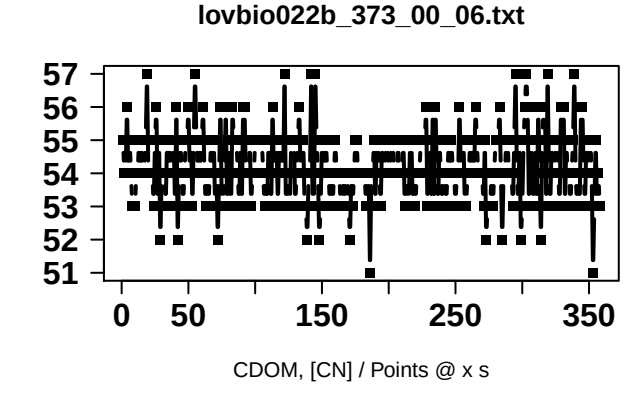

lovbio022b_372_00_06.txt
56
55
54
53
52
51
0
100
200
300
CDOM, [CN] / Points @ x s

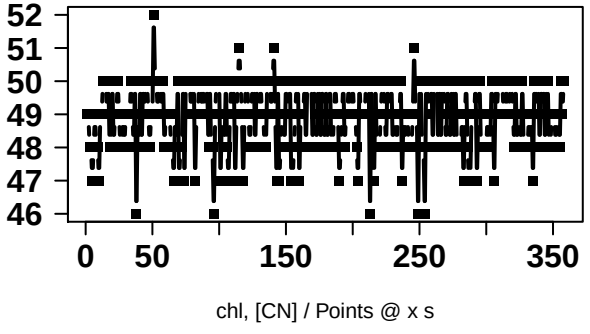

53
52
51
50
49
48
47
46
0
100
200
300
chl, [CN] / Points @ x s

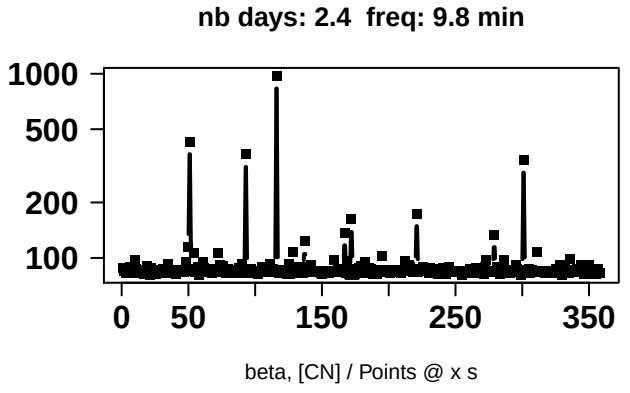

nb days: 2.4 freq: 9.7 min
600
500
400
300
200
100
0
100
200
300
beta, [CN] / Points @ x s

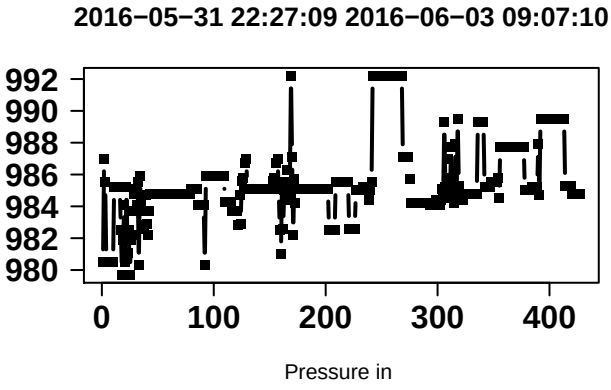

2016−05−28 23:22:40 2016−05−31 10:02:41
986
984
982
980
978
976
974
972
0
100
200
300
400
Pressure in

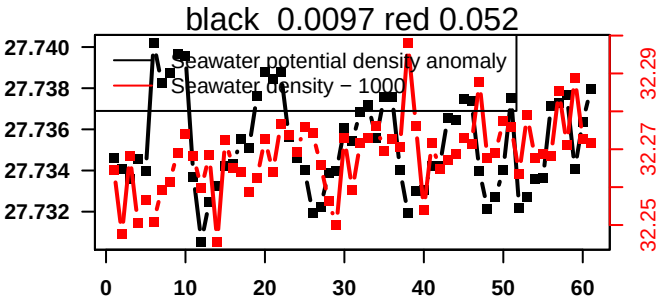

black 0.0071 red 0.059
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
27.732
32.25
32.22
0
10
20
30
40
50
60

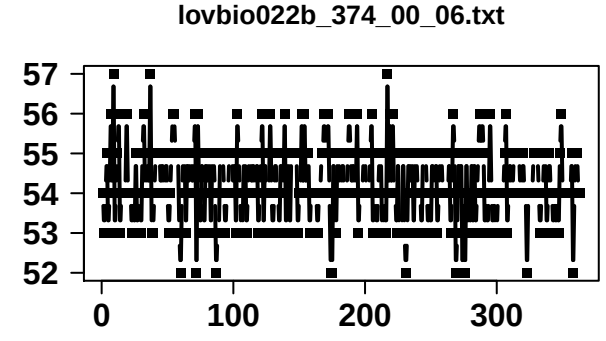

lovbio022b_373_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

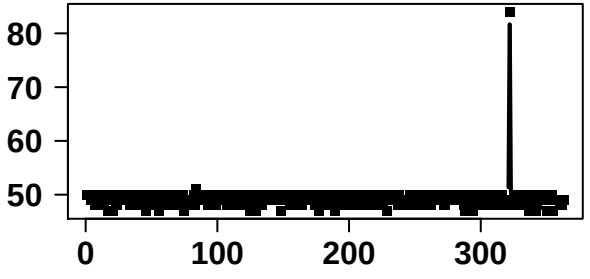

52
51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

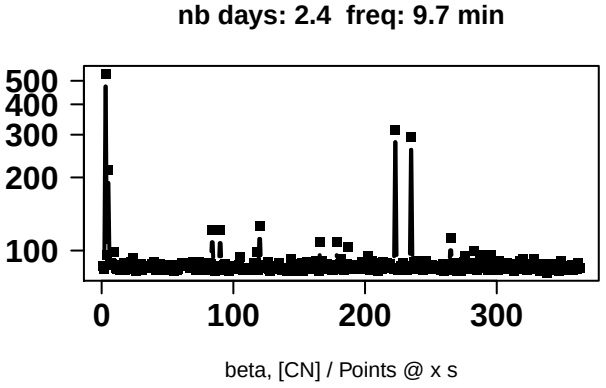

nb days: 2.4 freq: 9.8 min
1000
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

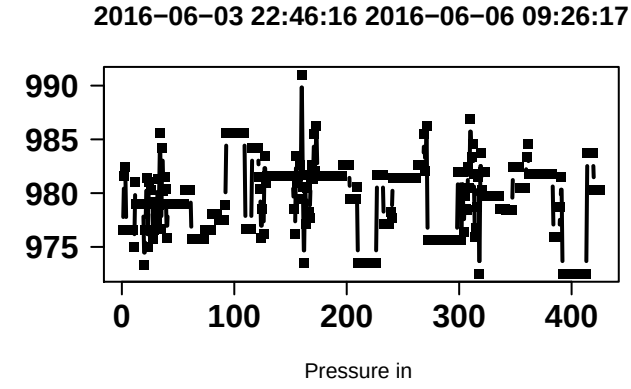

2016−05−31 22:27:09 2016−06−03 09:07:10
992
990
988
986
984
982
980
0
100
200
300
400
Pressure in

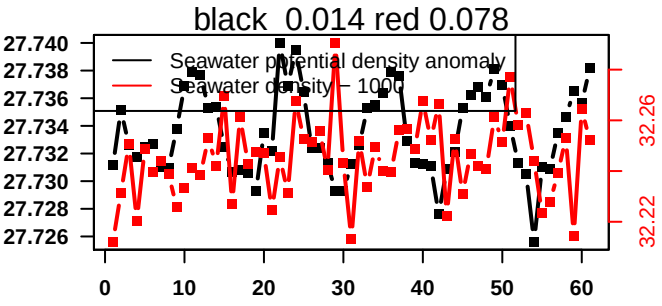

black 0.0097 red 0.052
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.29
32.27
32.25
0
10
20
30
40
50
60

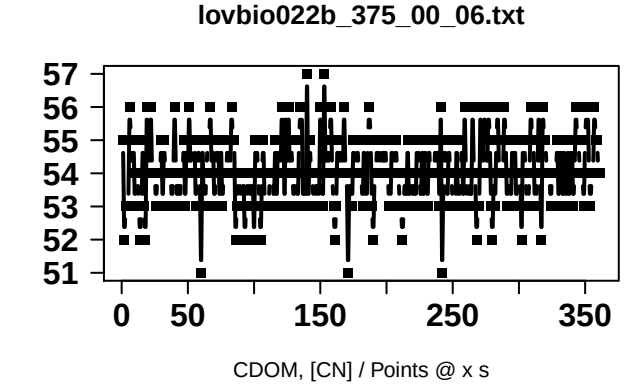

lovbio022b_374_00_06.txt
57
56
55
54
53
52
0
100
200
300
CDOM, [CN] / Points @ x s

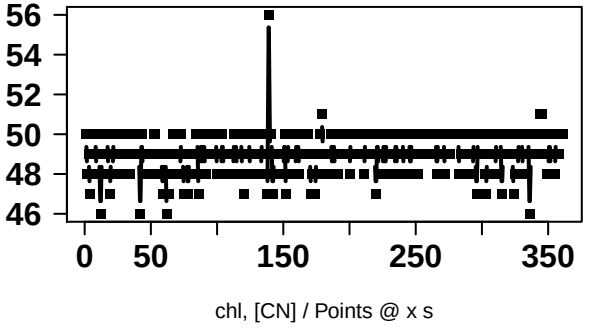

80
70
60
50
0
100
200
300
chl, [CN] / Points @ x s

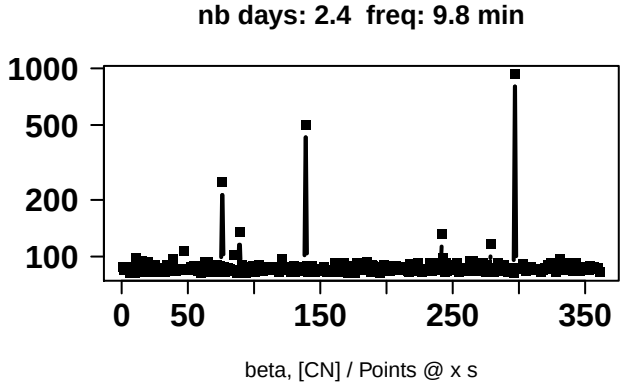

nb days: 2.4 freq: 9.7 min
500
400
300
200
100
0
100
200
300
beta, [CN] / Points @ x s

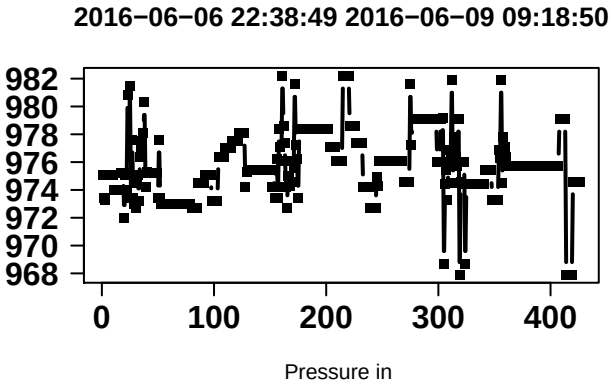

2016−06−03 22:46:16 2016−06−06 09:26:17
990
985
980
975
0
100
200
300
400
Pressure in

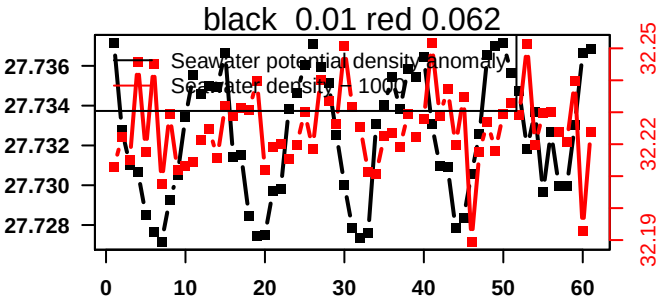

black 0.014 red 0.078
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
27.730
27.728
27.726
32.26
32.22
0
10
20
30
40
50
60

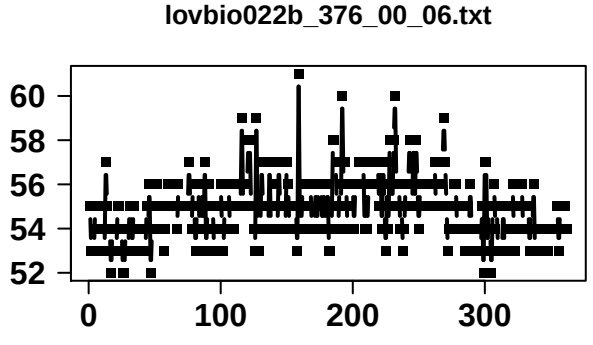

lovbio022b_375_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

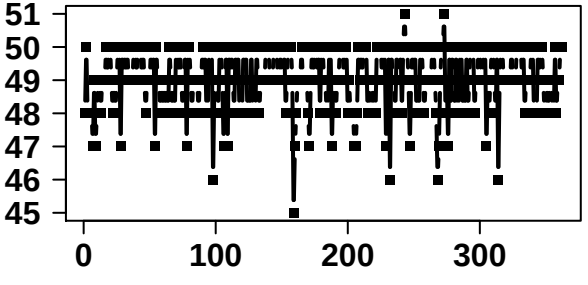

56
54
52
50
48
46
0
50
150
250
350
chl, [CN] / Points @ x s

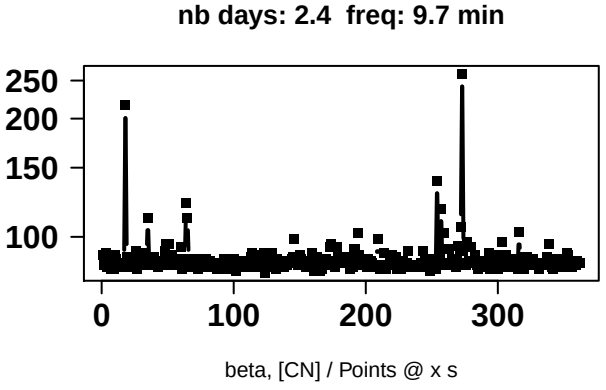

nb days: 2.4 freq: 9.8 min
1000
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

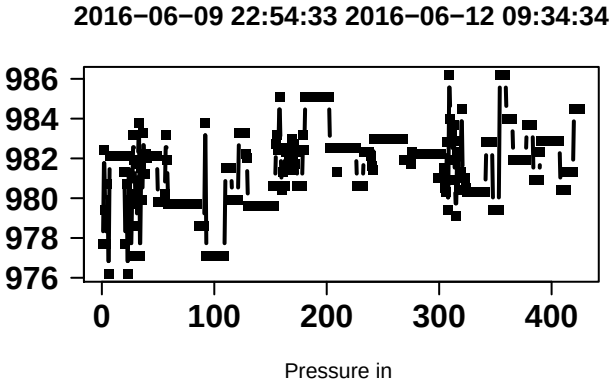

2016−06−06 22:38:49 2016−06−09 09:18:50
982
980
978
976
974
972
970
968
0
100
200
300
400
Pressure in

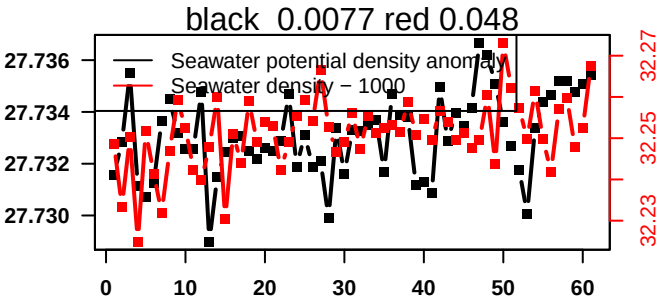

black 0.01 red 0.062
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
32.25
32.22
32.19
0
10
20
30
40
50
60

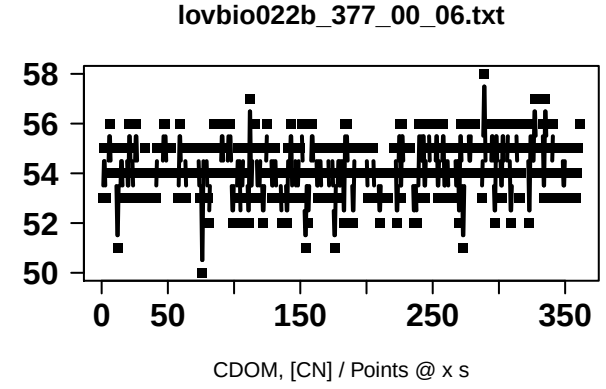

lovbio022b_376_00_06.txt
60
58
56
54
52
0
100
200
300
CDOM, [CN] / Points @ x s

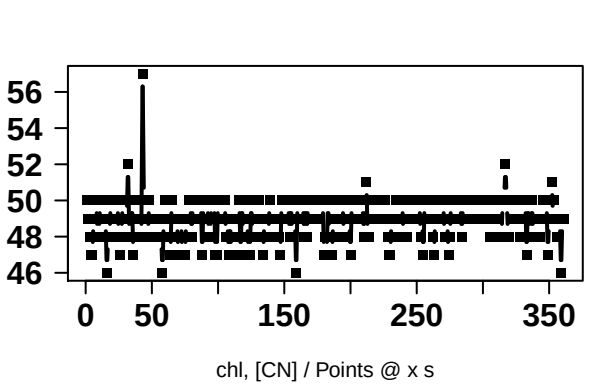

51
50
49
48
47
46
45
0
100
200
300
chl, [CN] / Points @ x s

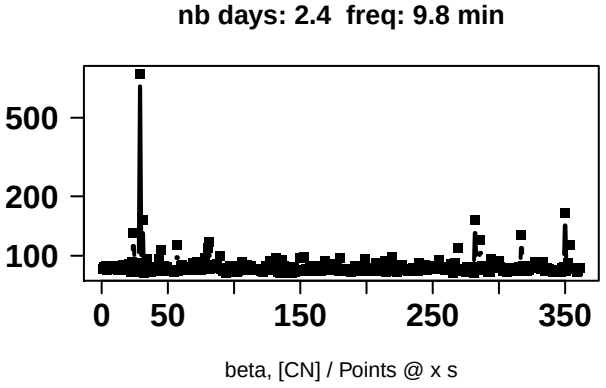

nb days: 2.4 freq: 9.7 min
250
200
150
100
0
100
200
300
beta, [CN] / Points @ x s

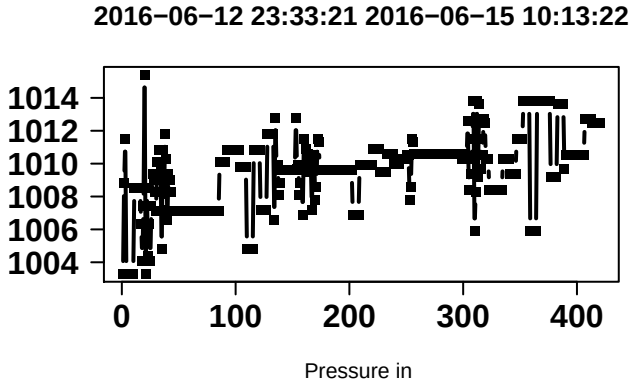

2016−06−09 22:54:33 2016−06−12 09:34:34
986
984
982
980
978
976
0
100
200
300
400
Pressure in

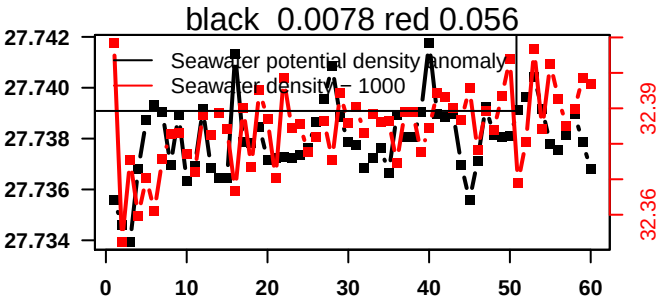

black 0.0077 red 0.048
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
32.27
32.25
32.23
0
10
20
30
40
50
60

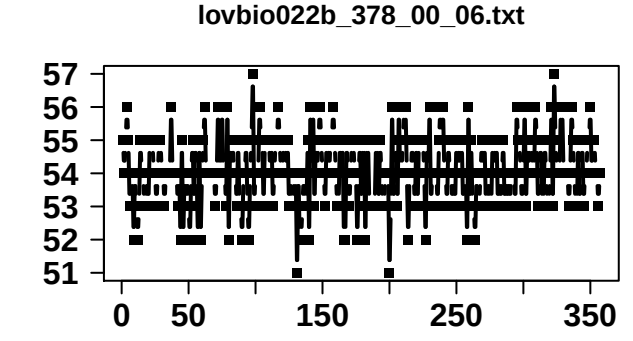

lovbio022b_377_00_06.txt
58
56
54
52
50
0
50
150
250
350
CDOM, [CN] / Points @ x s

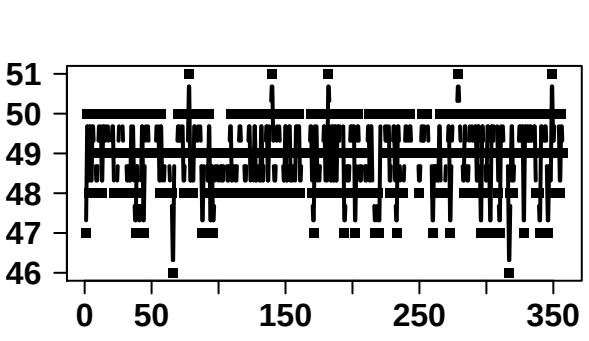

56
54
52
50
48
46
0
50
150
250
350
chl, [CN] / Points @ x s

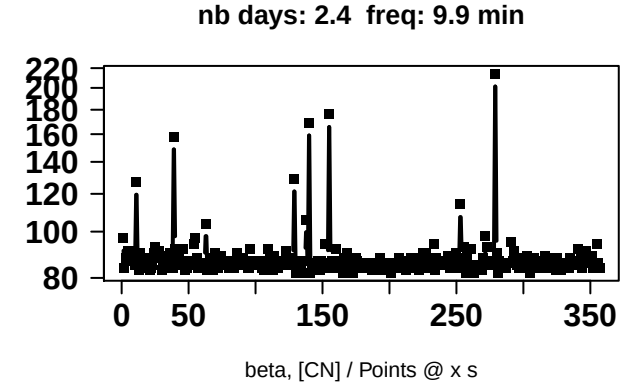

nb days: 2.4 freq: 9.8 min
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

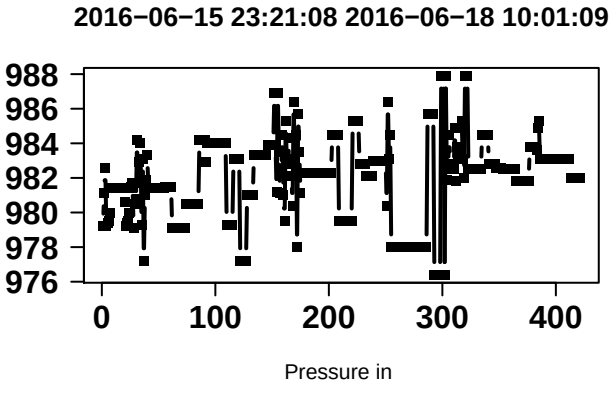

2016−06−12 23:33:21 2016−06−15 10:13:22
1014
1012
1010
1008
1006
1004
0
100
200
300
400
Pressure in

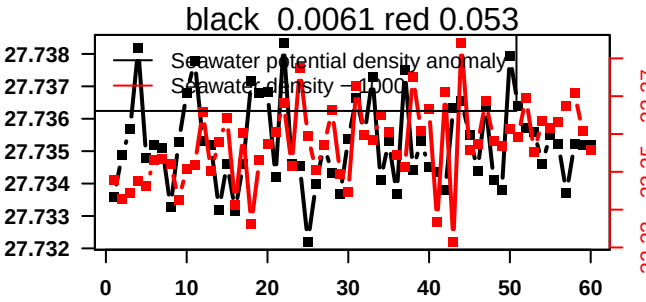

black 0.0078 red 0.056
Seawater potential density anomaly
Seawater density − 1000
27.742
27.740
27.738
27.736
27.734
32.39
32.36
0
10
20
30
40
50
60

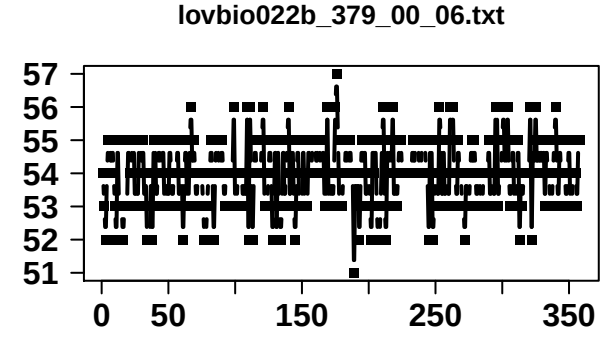

lovbio022b_378_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

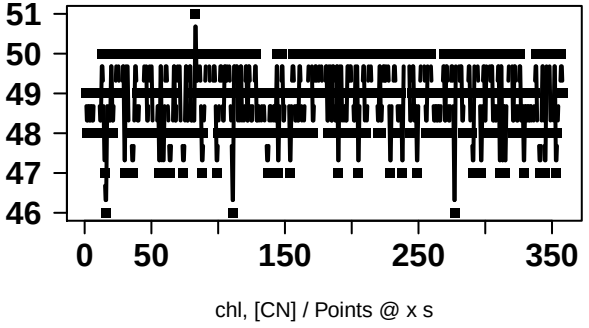

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

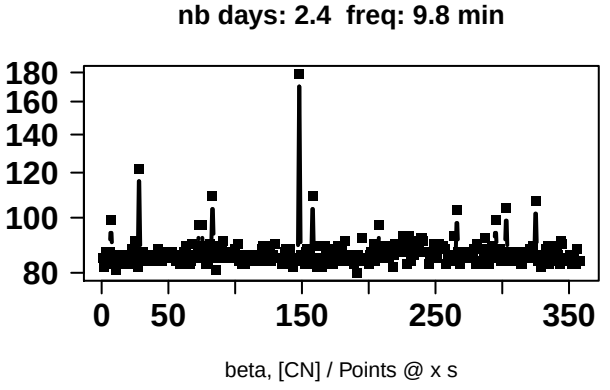

nb days: 2.4 freq: 9.9 min
220
200
180
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

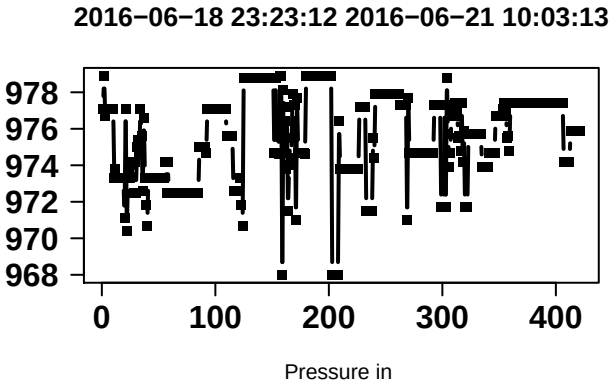

2016−06−15 23:21:08 2016−06−18 10:01:09
988
986
984
982
980
978
976
0
100
200
300
400
Pressure in

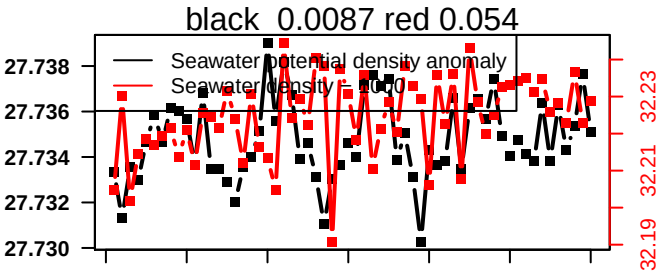

black 0.0061 red 0.053
Seawater potential density anomaly
Seawater density − 1000
27.738
27.737
27.736
27.735
27.734
27.733
27.732
32.27
32.25
32.23
0
10
20
30
40
50
60

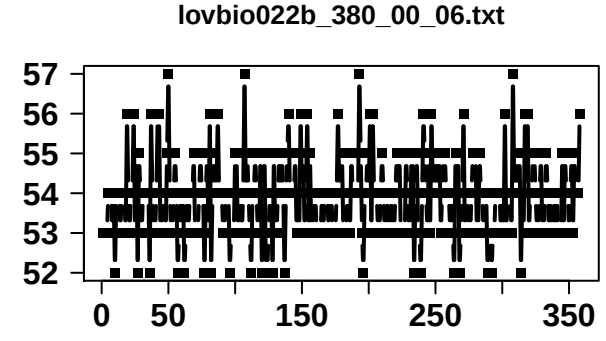

lovbio022b_379_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

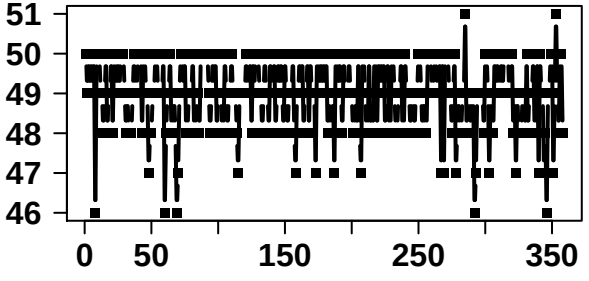

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

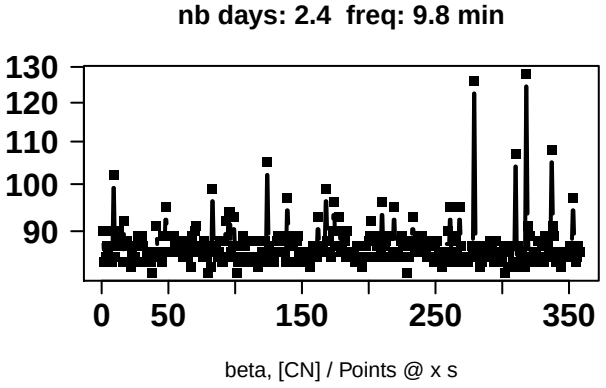

nb days: 2.4 freq: 9.8 min
180
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

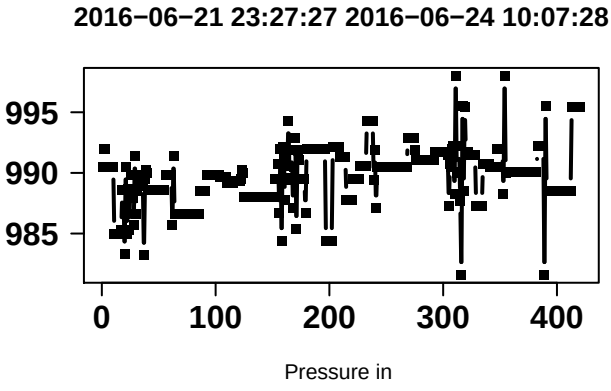

2016−06−18 23:23:12 2016−06−21 10:03:13
978
976
974
972
970
968
0
100
200
300
400
Pressure in

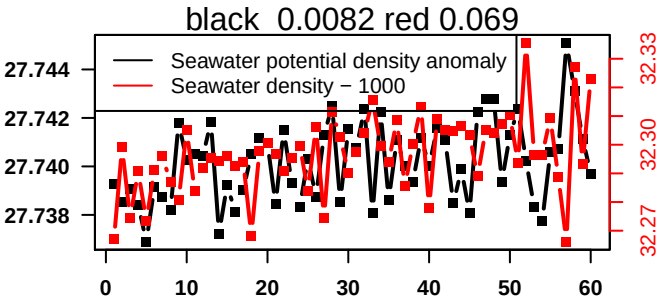

black 0.0087 red 0.054
Seawater potential density anomaly
Seawater density − 1000
27.738
27.736
27.734
27.732
27.730
0
10
20
30
40
50
60
32.23
32.21
32.19

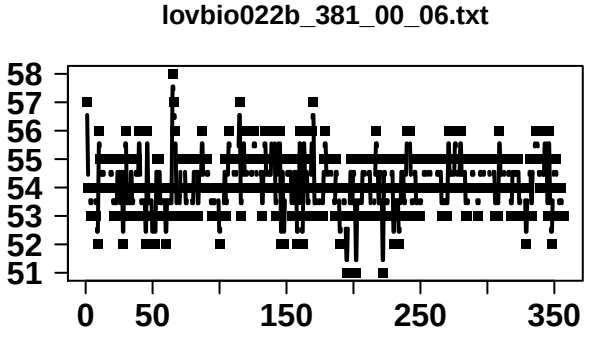

lovbio022b_380_00_06.txt
57
56
55
54
53
52
0
50
150
250
350
CDOM, [CN] / Points @ x s

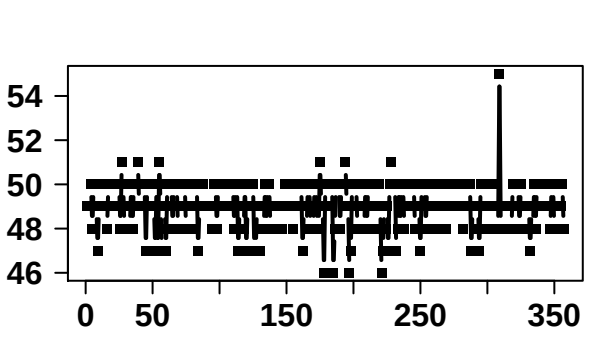

51
50
49
48
47
46
0
50
150
250
350
chl, [CN] / Points @ x s

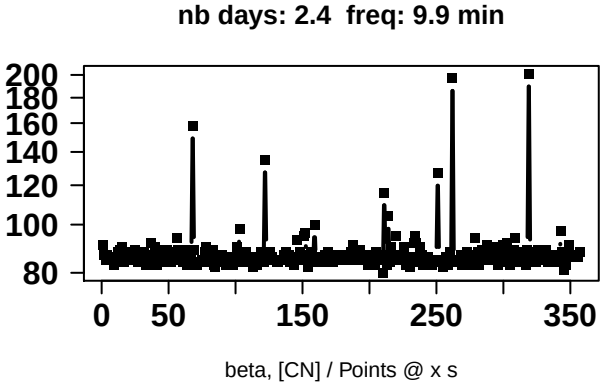

nb days: 2.4 freq: 9.8 min
130
120
110
100
90
0
50
150
250
350
beta, [CN] / Points @ x s

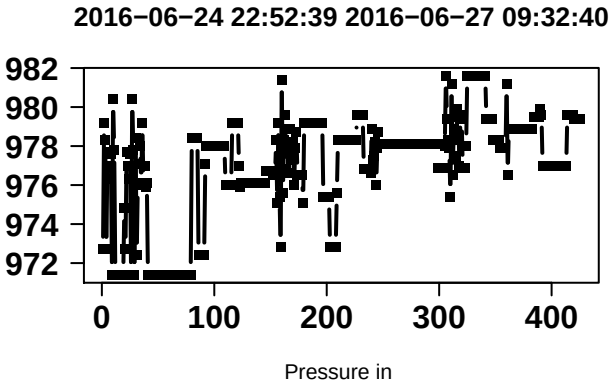

2016−06−21 23:27:27 2016−06−24 10:07:28
995
990
985
0
100
200
300
400
Pressure in

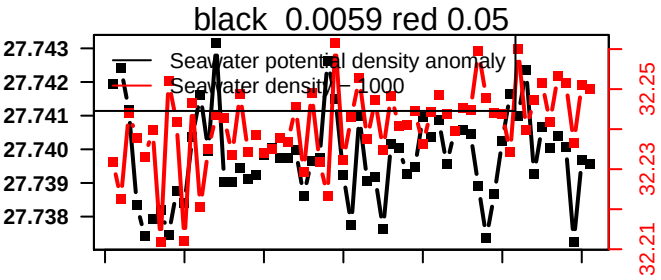

black 0.0082 red 0.069
Seawater potential density anomaly
Seawater density − 1000
27.744
27.742
27.740
27.738
32.33
32.30
32.27
0
10
20
30
40
50
60

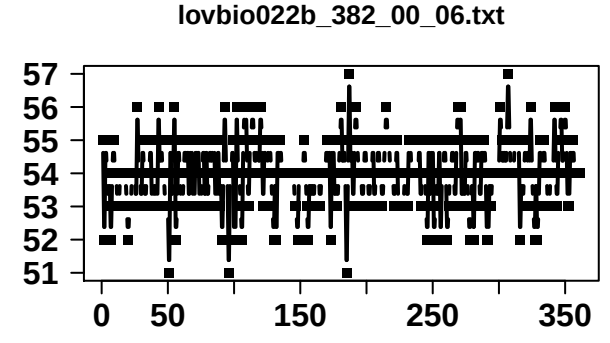

lovbio022b_381_00_06.txt
58
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

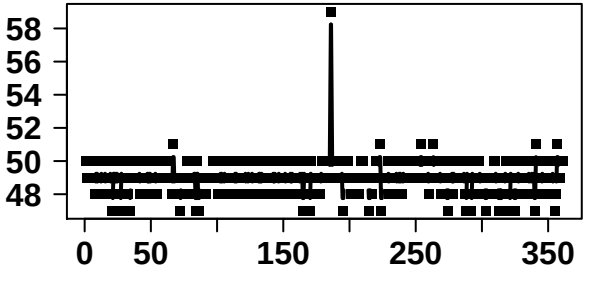

54
52
50
48
46
0
50
150
250
350
chl, [CN] / Points @ x s

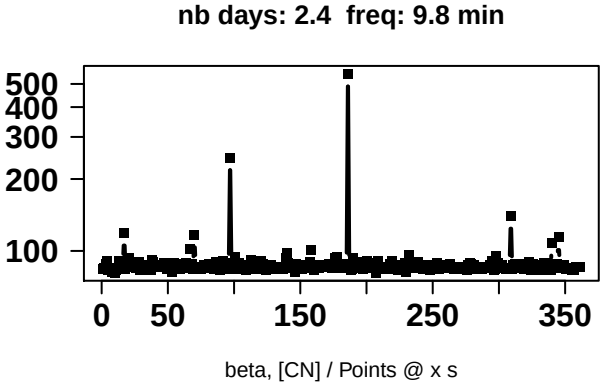

nb days: 2.4 freq: 9.9 min
200
180
160
140
120
100
80
0
50
150
250
350
beta, [CN] / Points @ x s

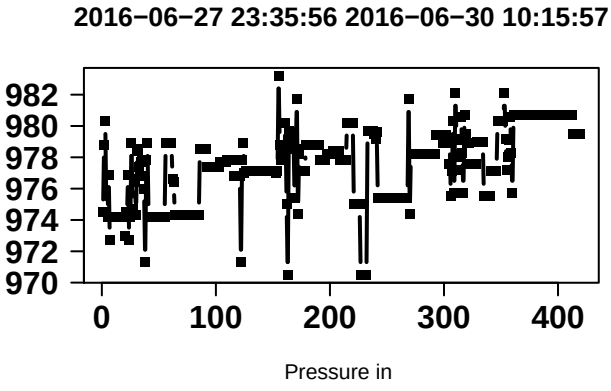

2016−06−24 22:52:39 2016−06−27 09:32:40
982
980
978
976
974
972
0
100
200
300
400
Pressure in

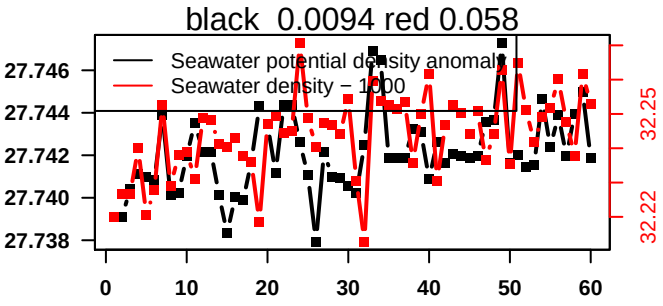

black 0.0059 red 0.05
Seawater potential density anomaly
Seawater density − 1000
27.743
27.742
27.741
27.740
27.739
27.738
32.25
32.23
32.21
0
10
20
30
40
50
60

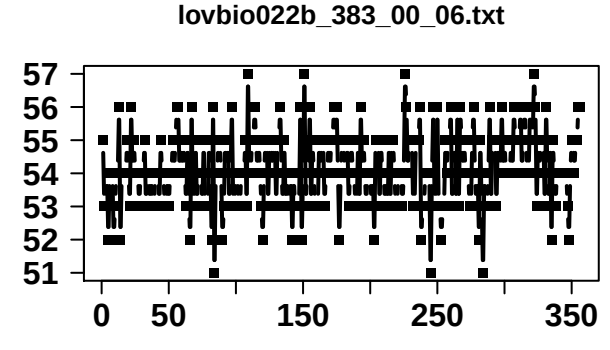

lovbio022b_382_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

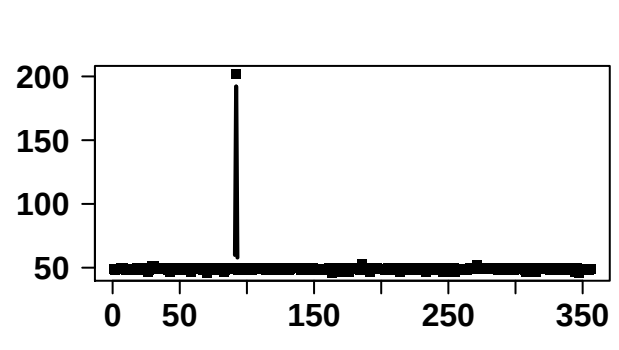

58
56
54
52
50
48
0
50
150
250
350
chl, [CN] / Points @ x s

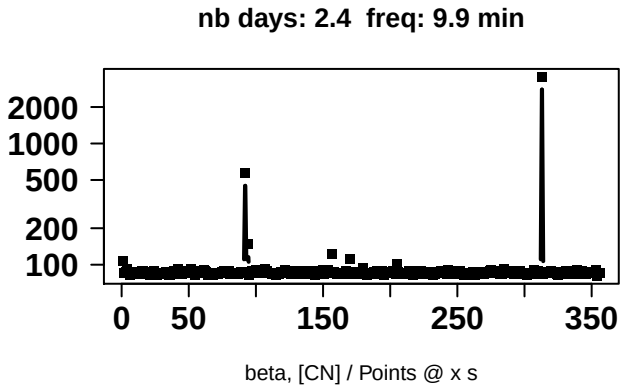

nb days: 2.4 freq: 9.8 min
500
400
300
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

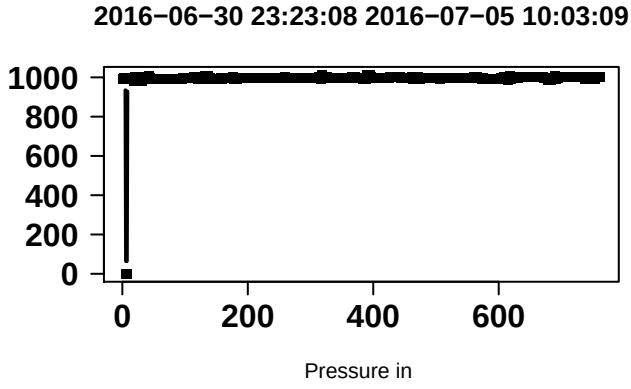

2016−06−27 23:35:56 2016−06−30 10:15:57
982
980
978
976
974
972
970
0
100
200
300
400
Pressure in

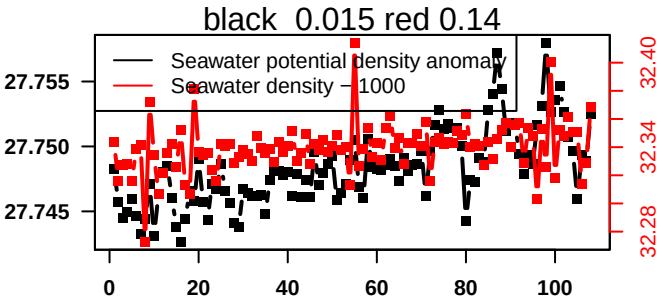

black 0.0094 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.746
27.744
27.742
27.740
27.738
32.25
32.22
0
10
20
30
40
50
60

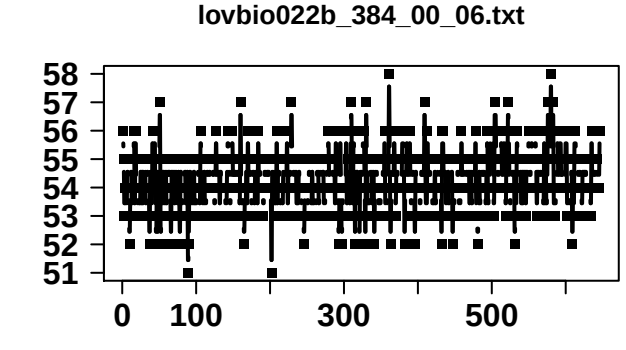

lovbio022b_383_00_06.txt
57
56
55
54
53
52
51
0
50
150
250
350
CDOM, [CN] / Points @ x s

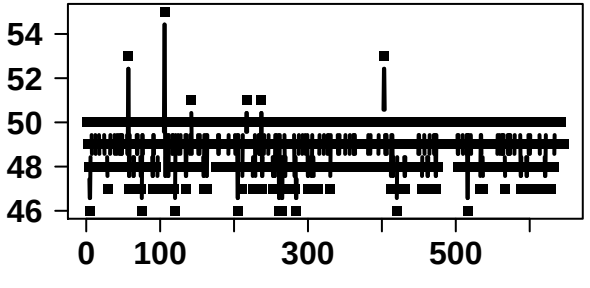

200
150
100
50
0
50
150
250
350
chl, [CN] / Points @ x s

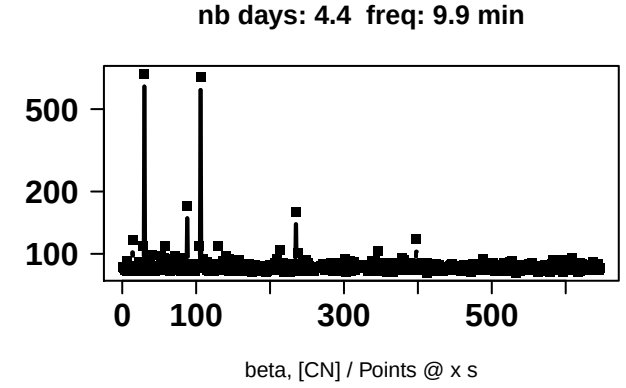

nb days: 2.4 freq: 9.9 min
2000
1000
500
200
100
0
50
150
250
350
beta, [CN] / Points @ x s

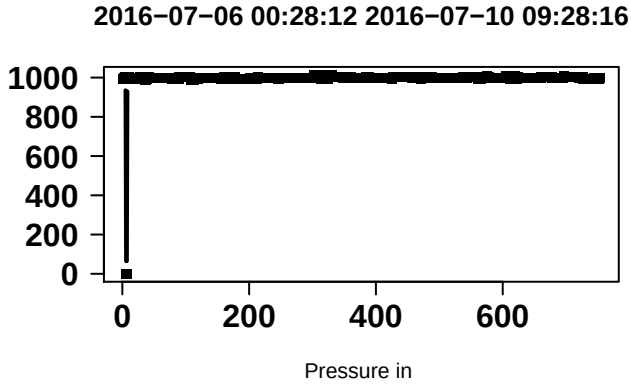

2016−06−30 23:23:08 2016−07−05 10:03:09
1000
800
600
400
200
0
0
200
400
600
Pressure in

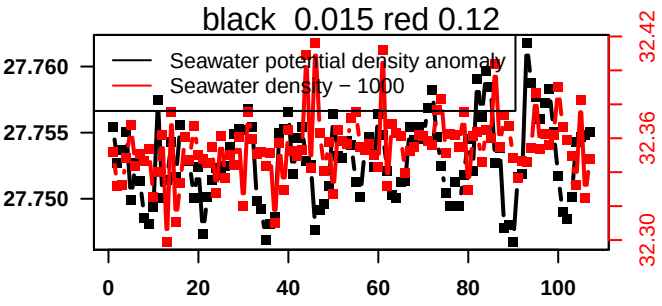

black 0.015 red 0.14
Seawater potential density anomaly
Seawater density − 1000
27.755
27.750
27.745
32.40
32.34
32.28
0
20
40
60
80
100

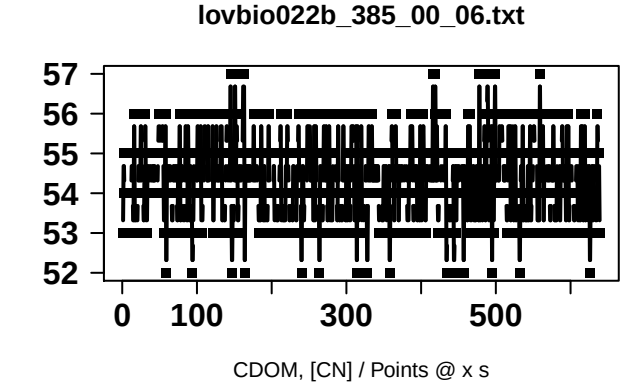

lovbio022b_384_00_06.txt
58
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

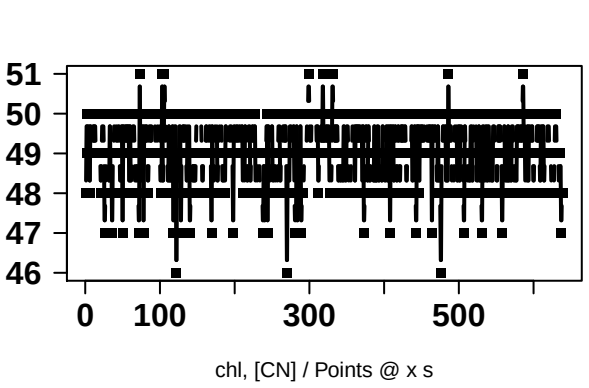

54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

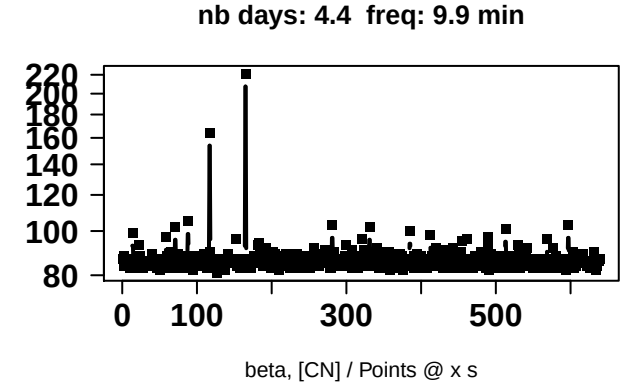

nb days: 4.4 freq: 9.9 min
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

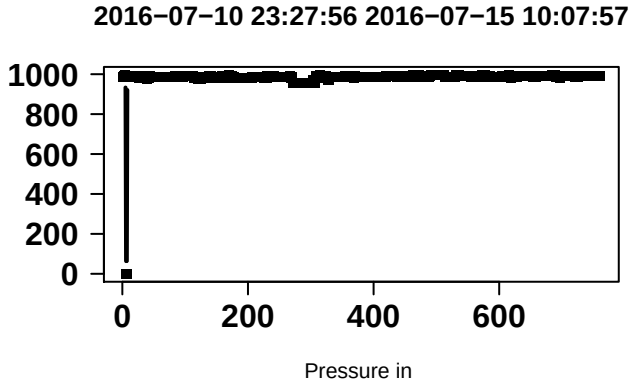

2016−07−06 00:28:12 2016−07−10 09:28:16
1000
800
600
400
200
0
0
200
400
600
Pressure in

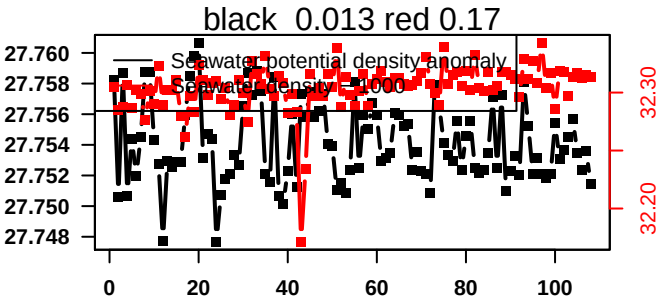

black 0.015 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.760
27.755
27.750
32.42
32.36
32.30
0
20
40
60
80
100

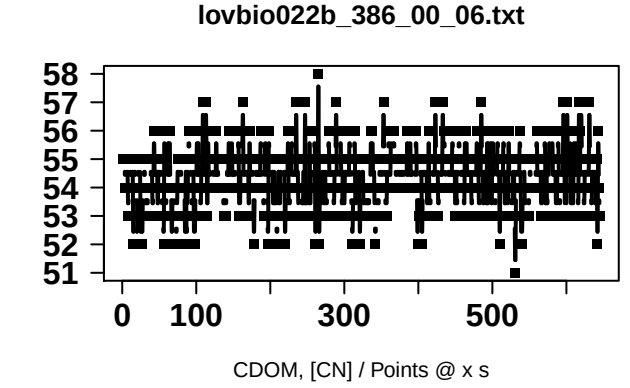

lovbio022b_385_00_06.txt
57
56
55
54
53
52
0
100
300
500
CDOM, [CN] / Points @ x s

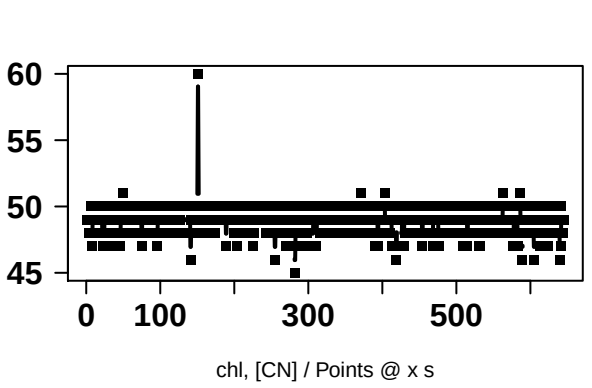

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

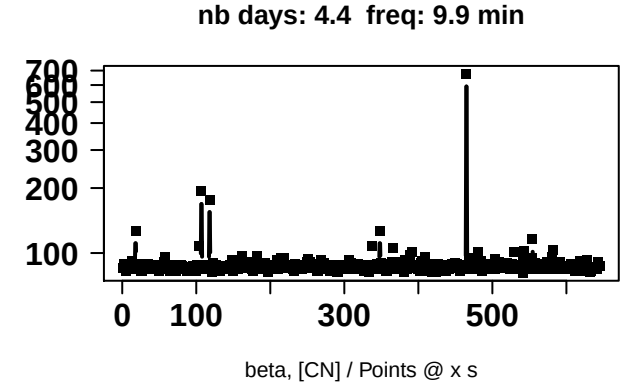

nb days: 4.4 freq: 9.9 min
220
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

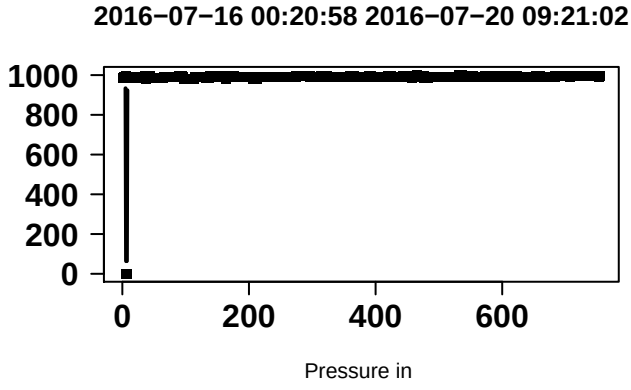

2016−07−10 23:27:56 2016−07−15 10:07:57
1000
800
600
400
200
0
0
200
400
600
Pressure in

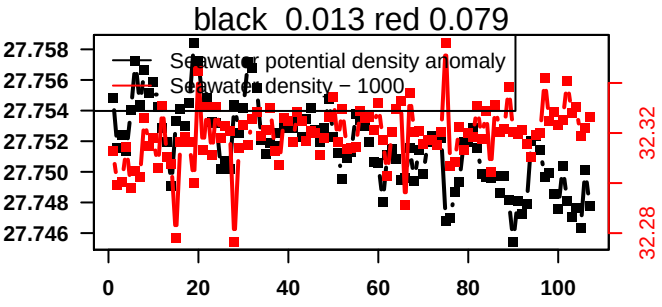

black 0.013 red 0.17
Seawater potential density anomaly
Seawater density −1000
27.760
27.758
27.756
27.754
27.752
27.750
27.748
32.30
32.20
0
20
40
60
80
100

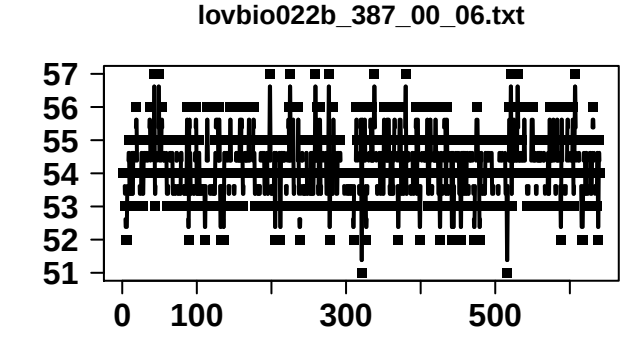

lovbio022b_386_00_06.txt
58
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

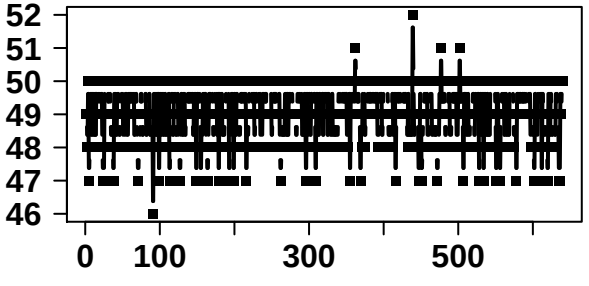

60
55
50
45
0
100
300
500
chl, [CN] / Points @ x s

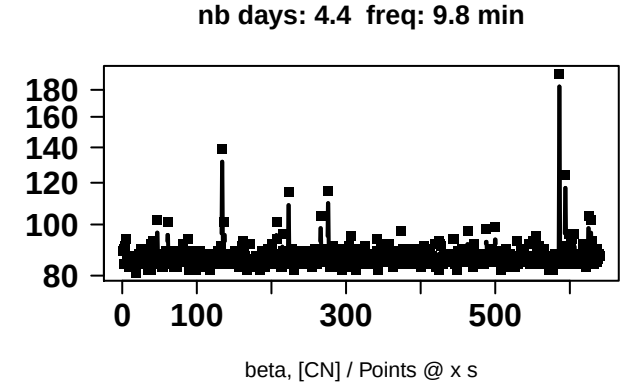

nb days: 4.4 freq: 9.9 min
700
600
500
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

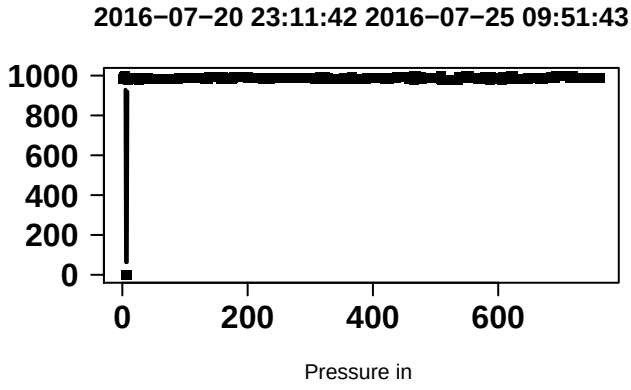

2016−07−16 00:20:58 2016−07−20 09:21:02
1000
800
600
400
200
0
0
200
400
600
Pressure in

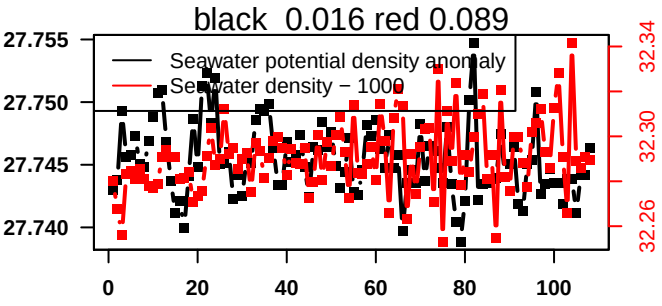

black 0.013 red 0.079
Seawater potential density anomaly
Seawater density − 1000
27.758
27.756
27.754
27.752
27.750
27.748
27.746
32.32
32.28
0
20
40
60
80
100

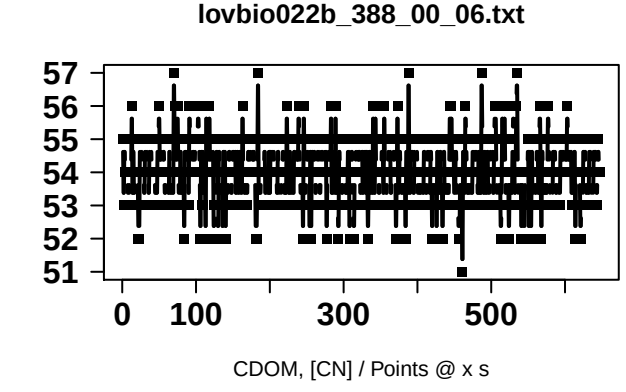

lovbio022b_387_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

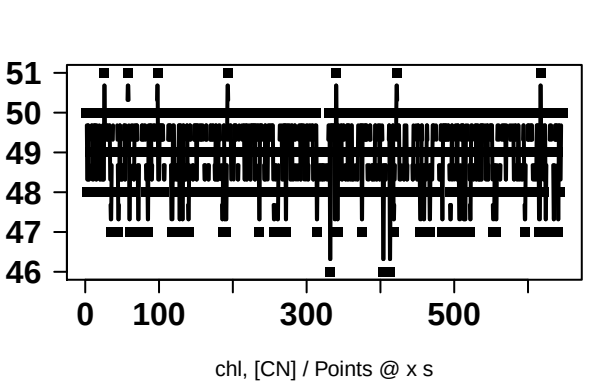

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

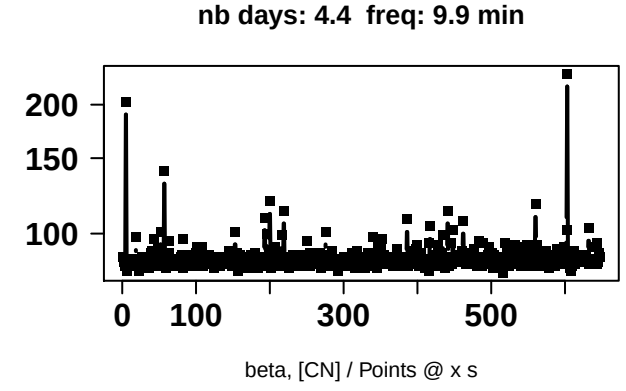

nb days: 4.4 freq: 9.8 min
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

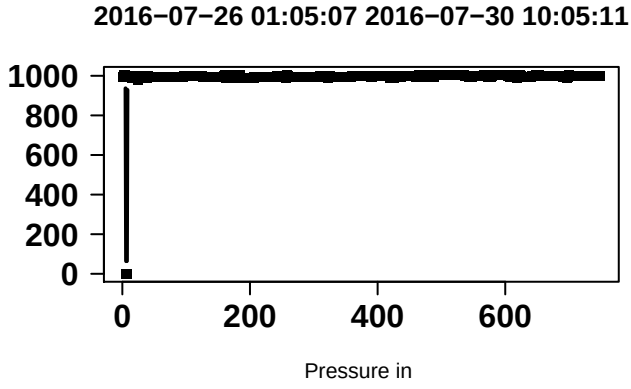

2016−07−20 23:11:42 2016−07−25 09:51:43
1000
800
600
400
200
0
0
200
400
600
Pressure in

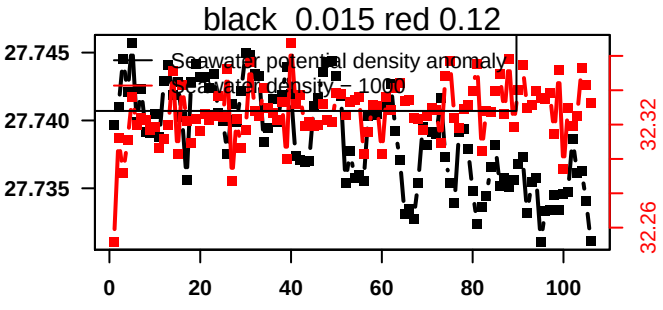

black 0.016 red 0.089
Seawater potential density anomaly
Seawater density − 1000
27.755
27.750
27.745
27.740
32.34
32.30
32.26
0
20
40
60
80
100

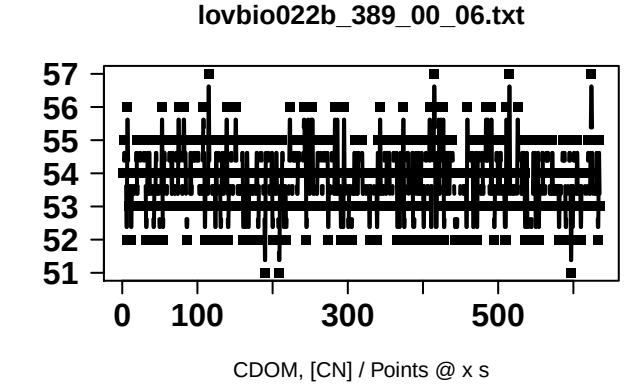

lovbio022b_388_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

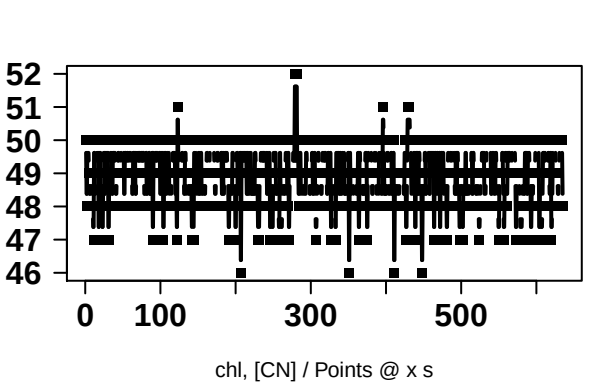

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

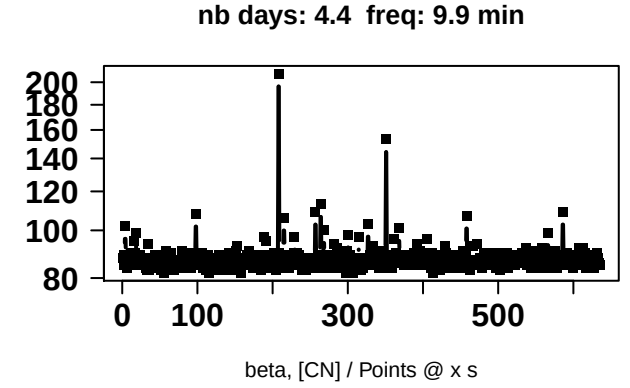

nb days: 4.4 freq: 9.9 min
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

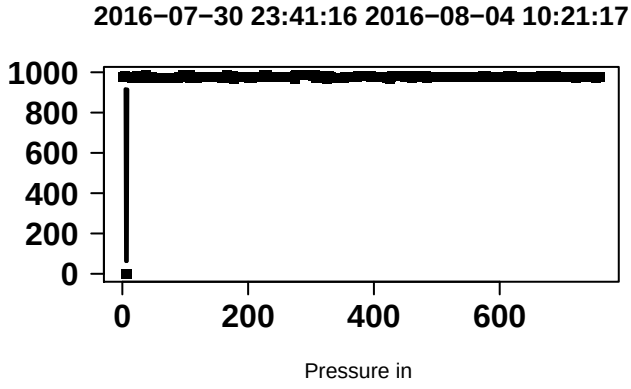

2016−07−26 01:05:07 2016−07−30 10:05:11
1000
800
600
400
200
0
0
200
400
600
Pressure in

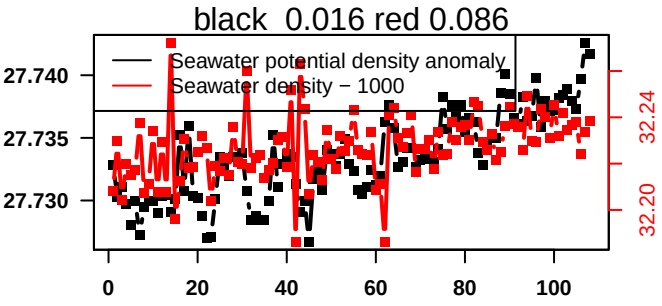

black 0.015 red 0.12
Seawater potential density anomaly
Seawater density − 1000
27.745
27.740
27.735
32.32
32.26
0
20
40
60
80
100

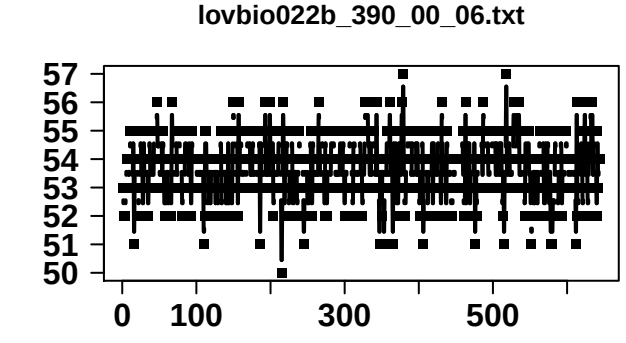

lovbio022b_389_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

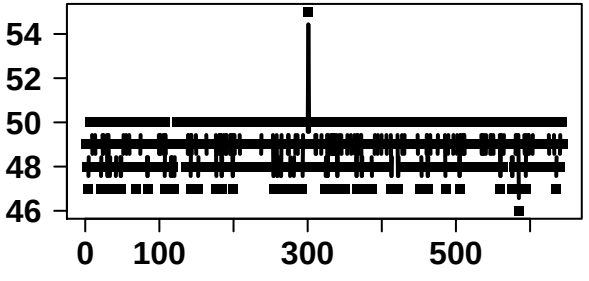

52
51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

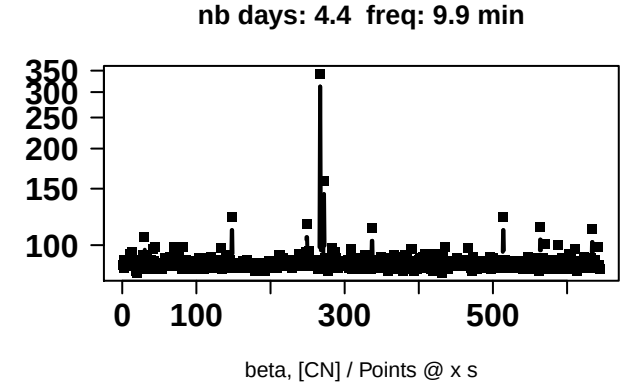

nb days: 4.4 freq: 9.9 min
200
180
160
140
120
100
80
0
100
300
500
beta, [CN] / Points @ x s

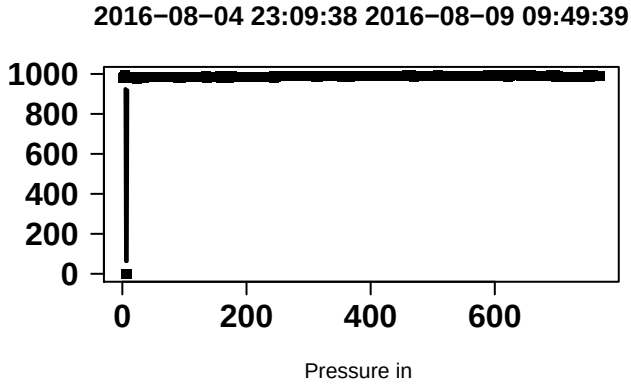

2016−07−30 23:41:16 2016−08−04 10:21:17
1000
800
600
400
200
0
0
200
400
600
Pressure in

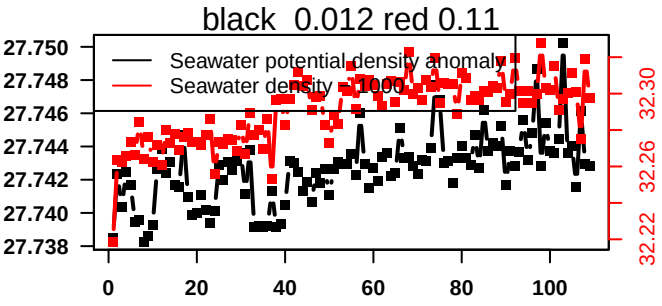

black 0.016 red 0.086
Seawater potential density anomaly
Seawater density − 1000
27.740
27.735
27.730
32.24
32.20
0
20
40
60
80
100

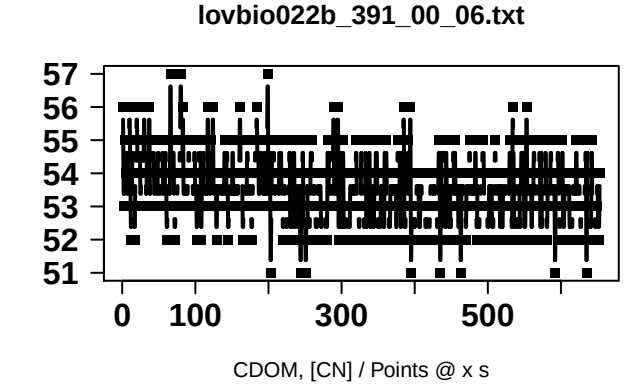

lovbio022b_390_00_06.txt
57
56
55
54
53
52
51
50
0
100
300
500
CDOM, [CN] / Points @ x s

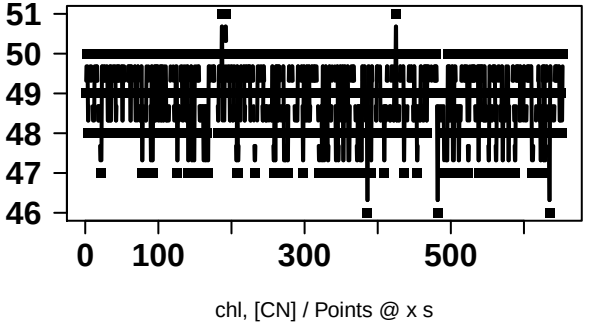

54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

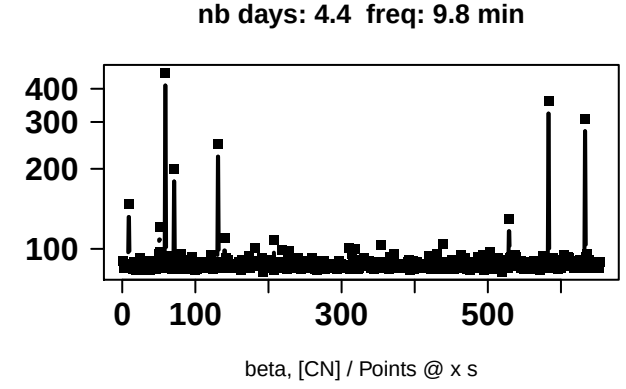

nb days: 4.4 freq: 9.9 min
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

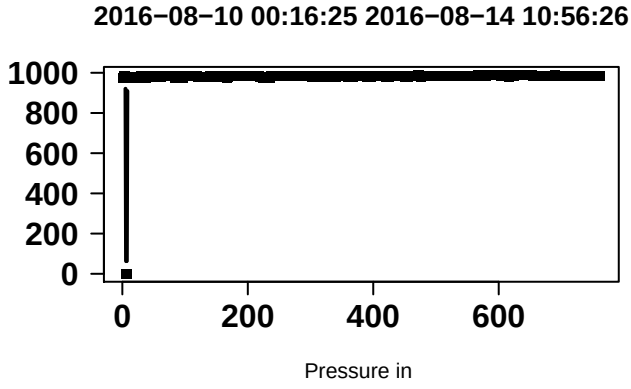

2016−08−04 23:09:38 2016−08−09 09:49:39
1000
800
600
400
200
0
0
200
400
600
Pressure in

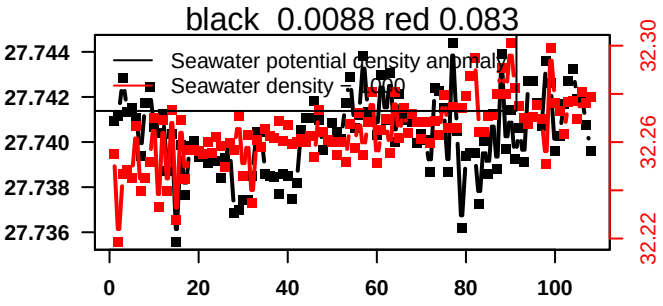

black 0.012 red 0.11
Seawater potential density anomaly
Seawater density − 1000
27.750
27.748
27.746
27.744
27.742
27.740
27.738
32.30
32.26
32.22
0
20
40
60
80
100

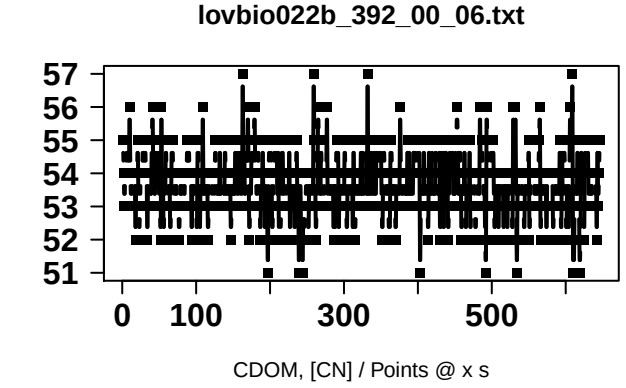

lovbio022b_391_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

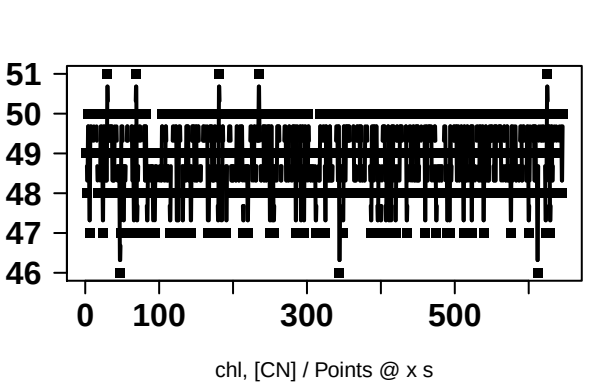

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

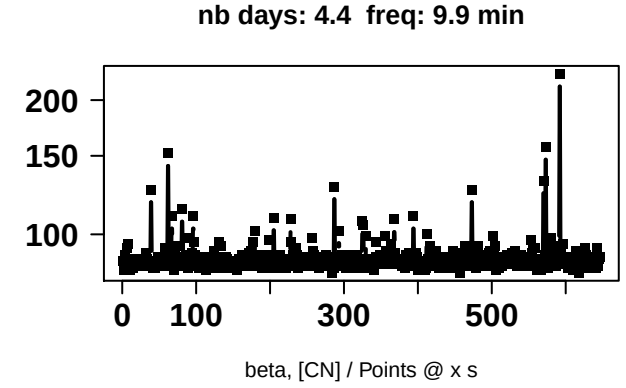

nb days: 4.4 freq: 9.8 min
400
300
200
100
0
100
300
500
beta, [CN] / Points @ x s

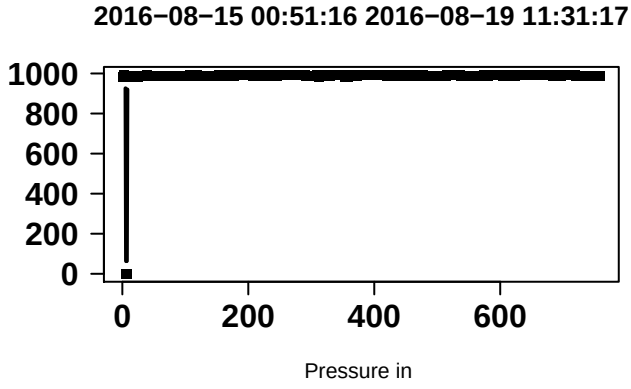

2016−08−10 00:16:25 2016−08−14 10:56:26
1000
800
600
400
200
0
0
200
400
600
Pressure in

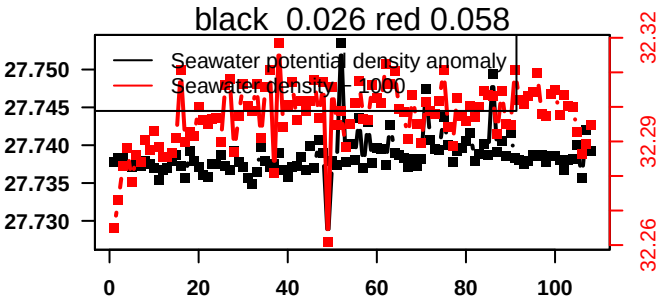

black 0.0088 red 0.083
Seawater potential density anomaly
Seawater density
27.744
27.742
27.740
27.738
27.736
32.30
32.26
32.22
0
20
40
60
80
100

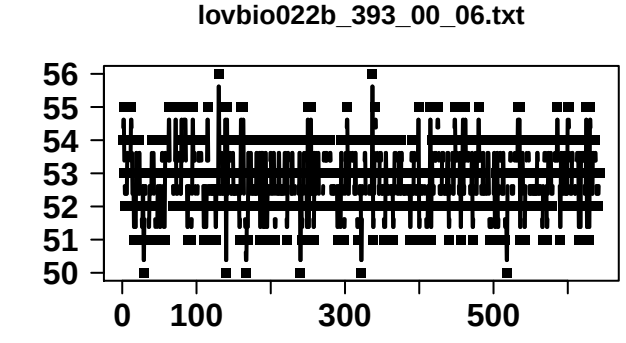

lovbio022b_392_00_06.txt
57
56
55
54
53
52
51
0
100
300
500
CDOM, [CN] / Points @ x s

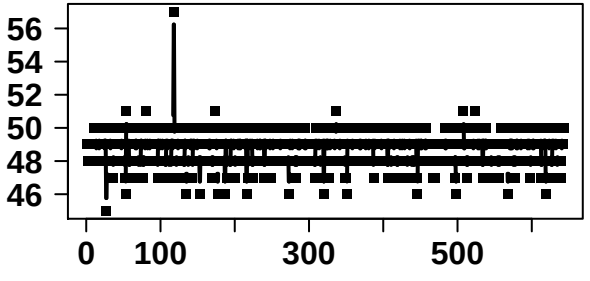

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

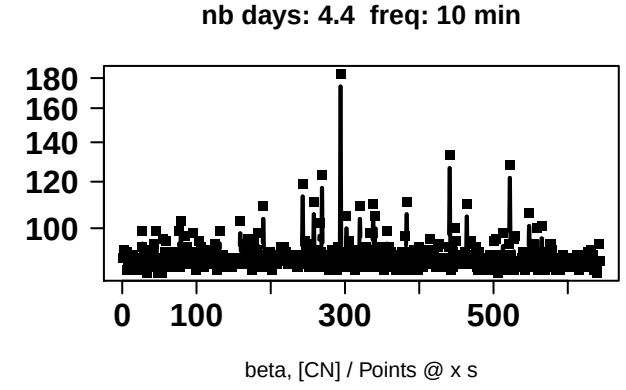

nb days: 4.4 freq: 9.9 min
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

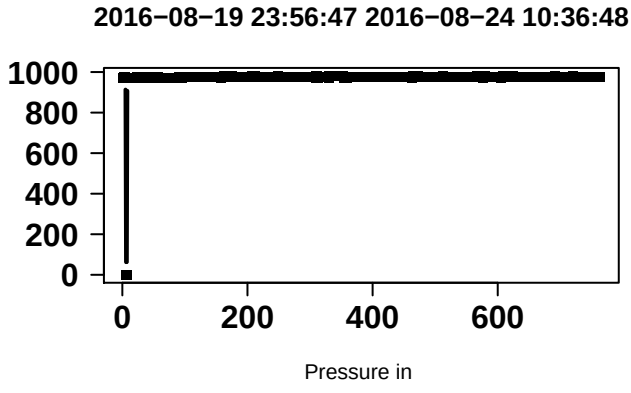

2016−08−15 00:51:16 2016−08−19 11:31:17
1000
800
600
400
200
0
0
200
400
600
Pressure in

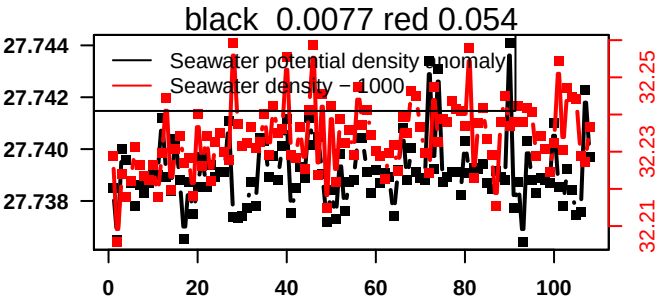

black 0.026 red 0.058
Seawater potential density anomaly
Seawater density − 1000
27.750
27.745
27.740
27.735
27.730
32.32
32.29
32.26
0
20
40
60
80
100

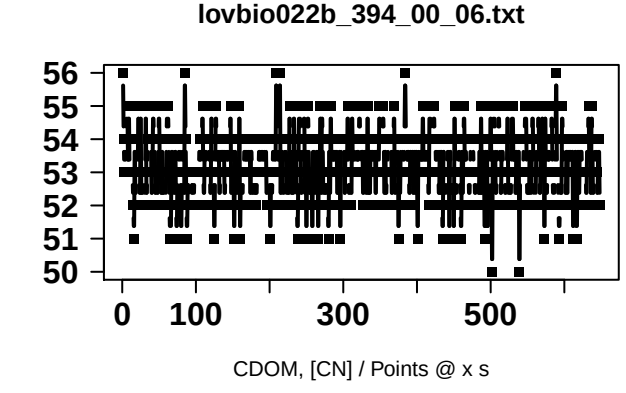

lovbio022b_393_00_06.txt
56
55
54
53
52
51
50
0
100
300
500
CDOM, [CN] / Points @ x s

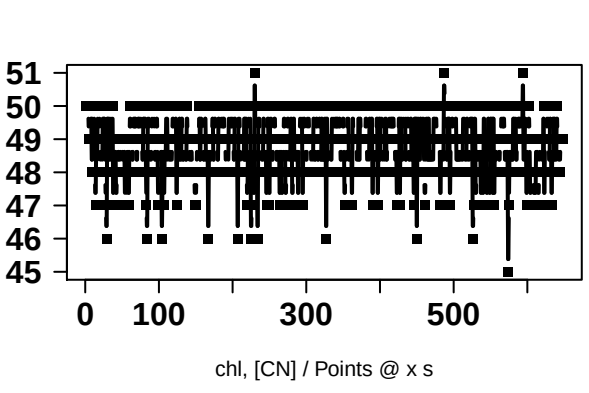

56
54
52
50
48
46
0
100
300
500
chl, [CN] / Points @ x s

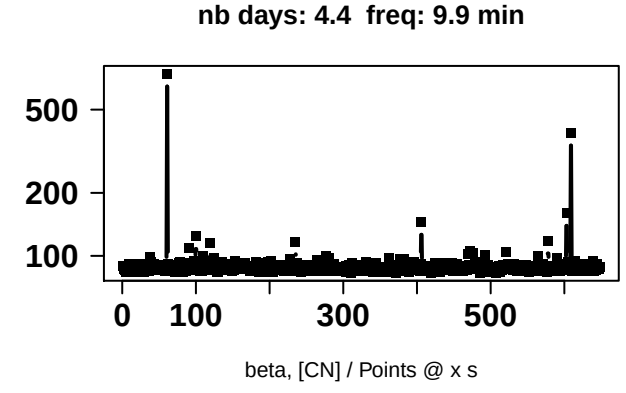

nb days: 4.4 freq: 10 min
180
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s

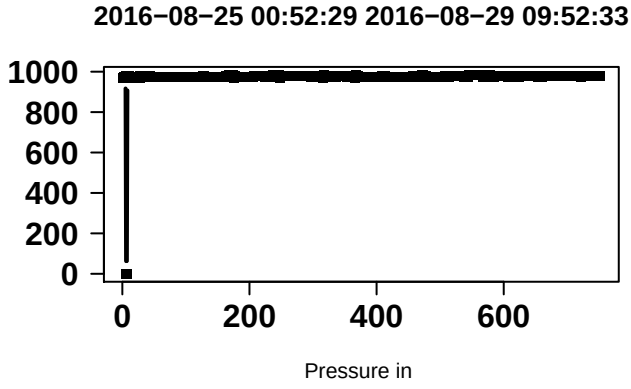

2016−08−19 23:56:47 2016−08−24 10:36:48
1000
800
600
400
200
0
0
200
400
600
Pressure in

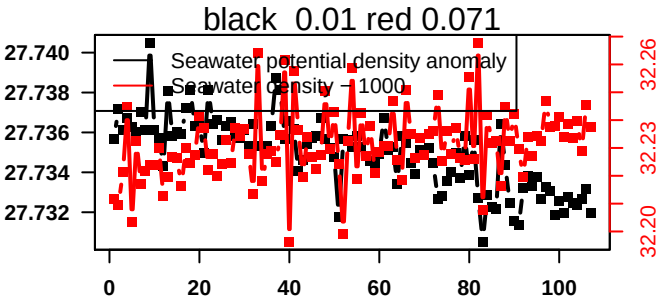

black 0.0077 red 0.054
27.744
27.742
27.740
27.738
Seawater potential density anomaly
Seawater density − 1000
32.25
32.23
32.21
0
20
40
60
80
100

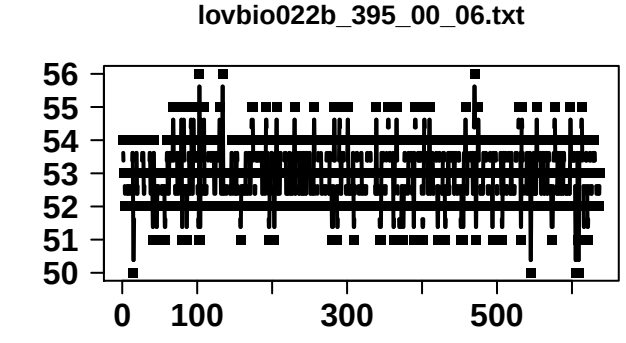

lovbio022b_394_00_06.txt
56
55
54
53
52
51
50
0
100
300
500
CDOM, [CN] / Points @ x s

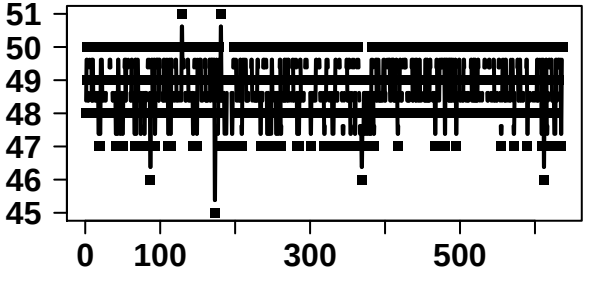

51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s

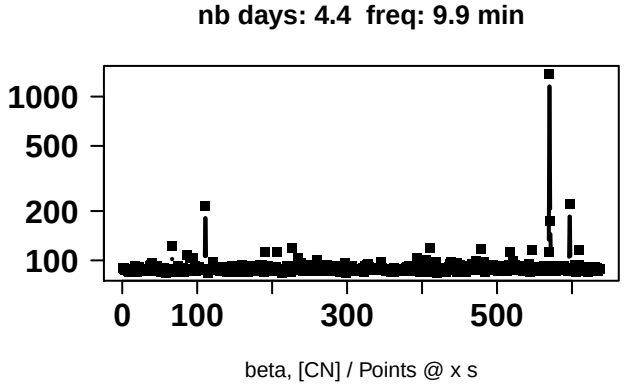

nb days: 4.4 freq: 9.9 min
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

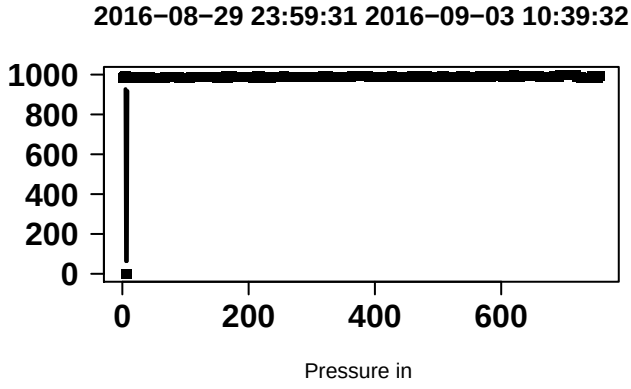

2016−08−25 00:52:29 2016−08−29 09:52:33
1000
800
600
400
200
0
0
200
400
600
Pressure in

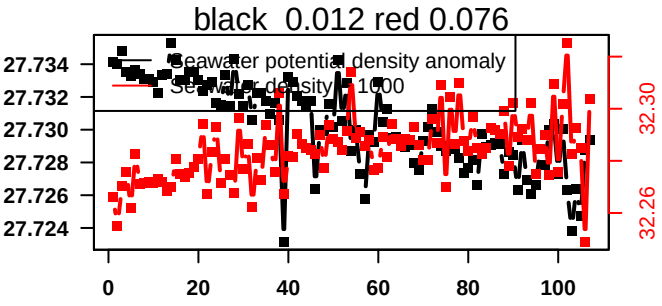

black 0.01 red 0.071
Seawater potential density anomaly
Seawater density − 1000
27.740
27.738
27.736
27.734
27.732
32.26
32.23
32.20
0
20
40
60
80
100

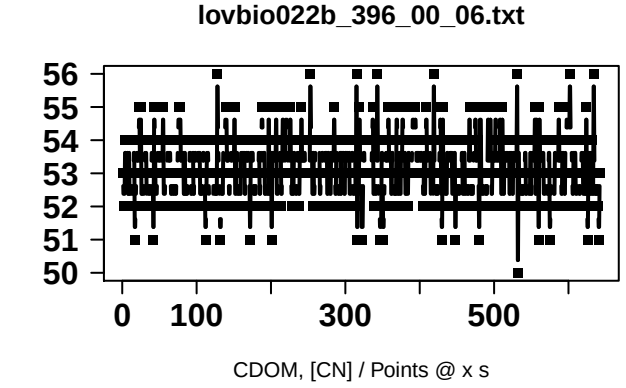

lovbio022b_395_00_06.txt
56
55
54
53
52
51
50
0
100
300
500
CDOM, [CN] / Points @ x s

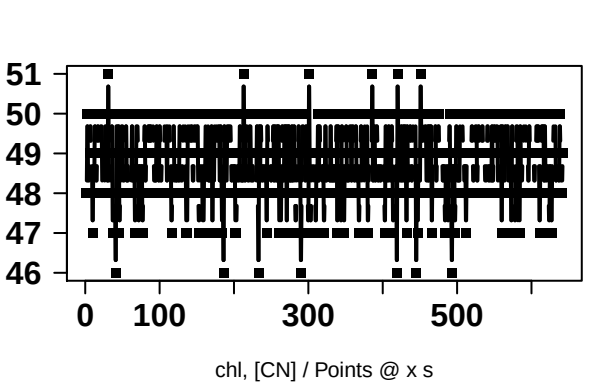

51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s

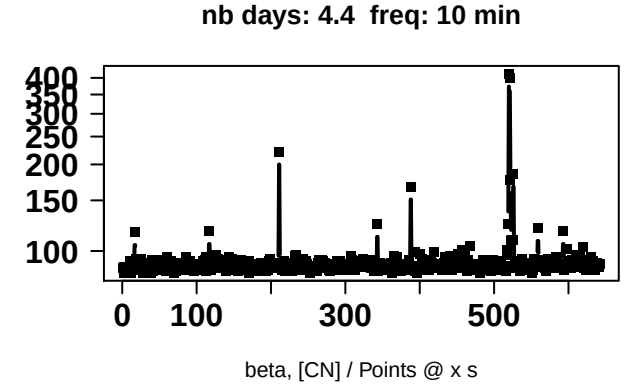

nb days: 4.4 freq: 9.9 min
1000
500
200
100
0
100
300
500
beta, [CN] / Points @ x s

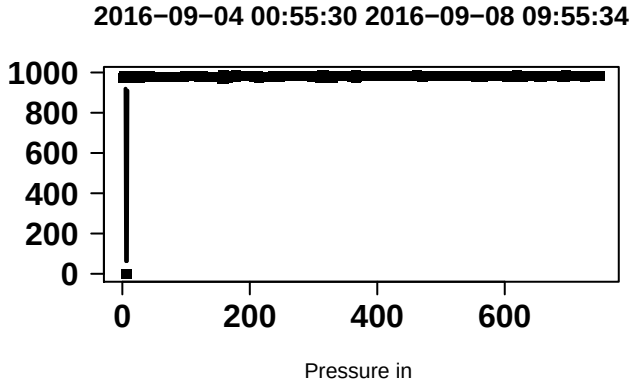

2016−08−29 23:59:31 2016−09−03 10:39:32
1000
800
600
400
200
0
0
200
400
600
Pressure in

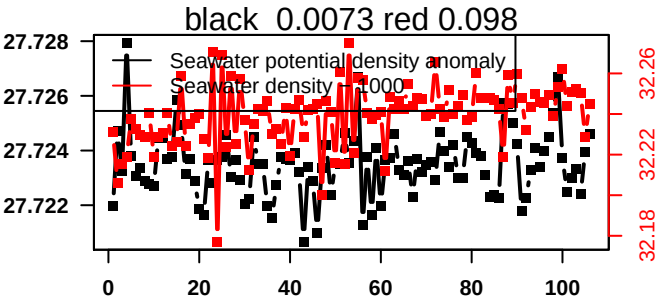

black 0.012 red 0.076
Seawater potential density anomaly
27.734
27.732
27.730
27.728
27.726
27.724
32.30
32.26
0
20
40
60
80
100

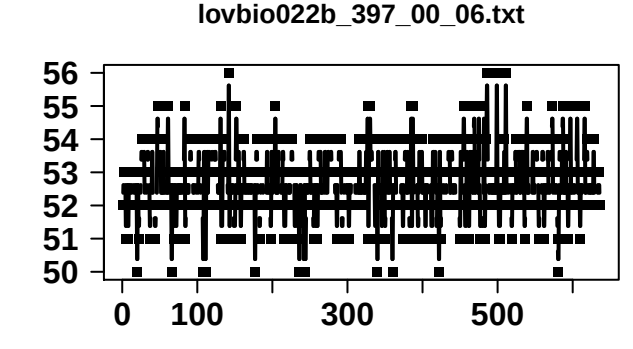

lovbio022b_396_00_06.txt
56
55
54
53
52
51
50
0
100
300
500
CDOM, [CN] / Points @ x s

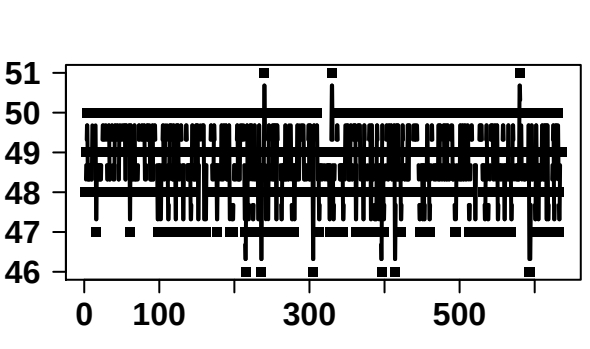

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

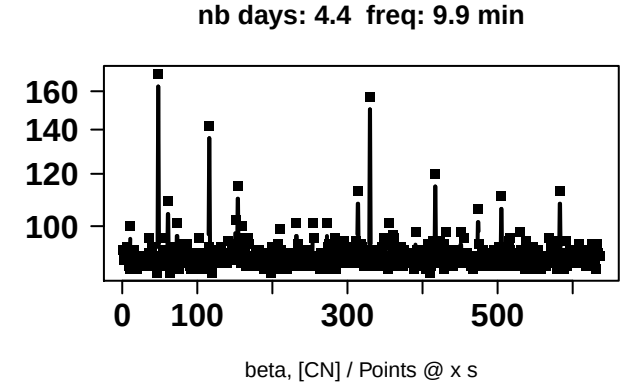

nb days: 4.4 freq: 10 min
400
350
300
250
200
150
100
0
100
300
500
beta, [CN] / Points @ x s

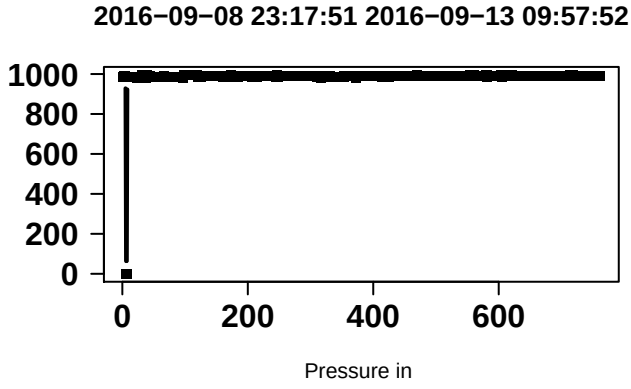

2016−09−04 00:55:30 2016−09−08 09:55:34
1000
800
600
400
200
0
0
200
400
600
Pressure in

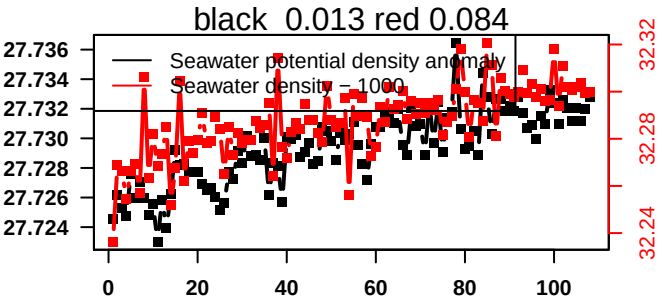

black 0.0073 red 0.098
Seawater potential density anomaly
Seawater density − 1000
27.728
27.726
27.724
27.722
32.26
32.22
32.18
0
20
40
60
80
100

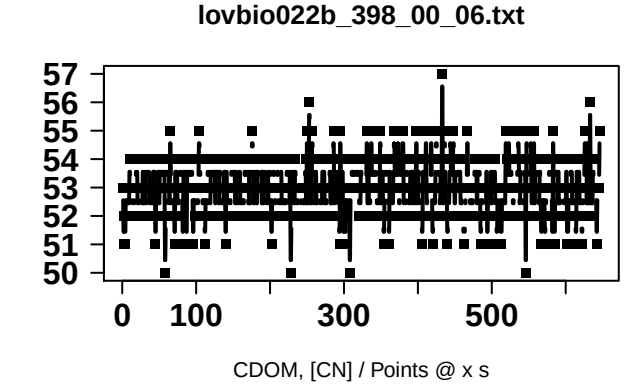

lovbio022b_397_00_06.txt
56
55
54
53
52
51
50
0
100
300
500
CDOM, [CN] / Points @ x s

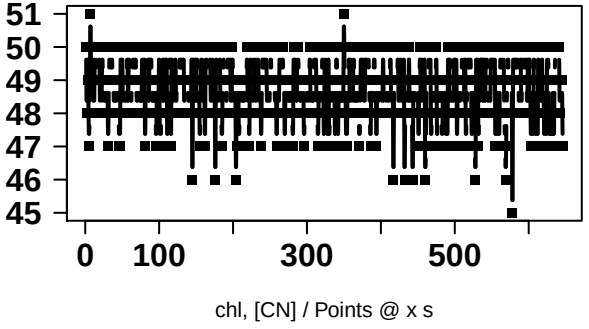

51
50
49
48
47
46
0
100
300
500
chl, [CN] / Points @ x s

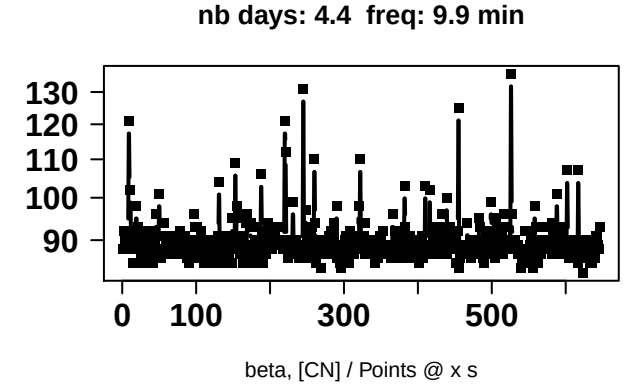

nb days: 4.4 freq: 9.9 min
160
140
120
100
0
100
300
500
beta, [CN] / Points @ x s


2016−09−08 23:17:51 2016−09−13 09:57:52
1000
800
600
400
200
0
0
200
400
600
Pressure in


black 0.013 red 0.084
Seawater potential density anomaly
Seawater density − 1000
27.736
27.734
27.732
27.730
27.728
27.726
27.724
32.32
32.28
32.24
0
20
40
60
80
100


lovbio022b_398_00_06.txt
57
56
55
54
53
52
51
50
0
100
300
500
CDOM, [CN] / Points @ x s


51
50
49
48
47
46
45
0
100
300
500
chl, [CN] / Points @ x s


nb days: 4.4 freq: 9.9 min
130
120
110
100
90
0
100
300
500
beta, [CN] / Points @ x s