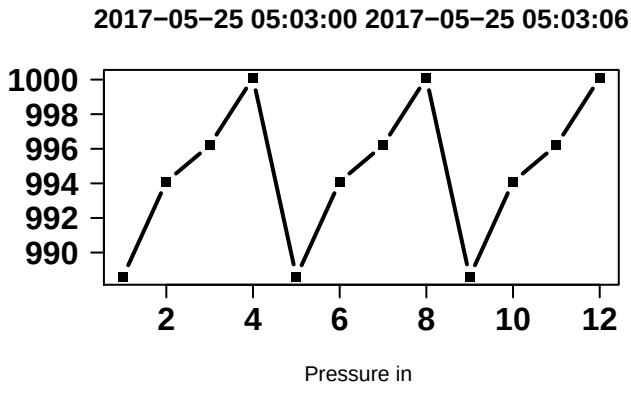
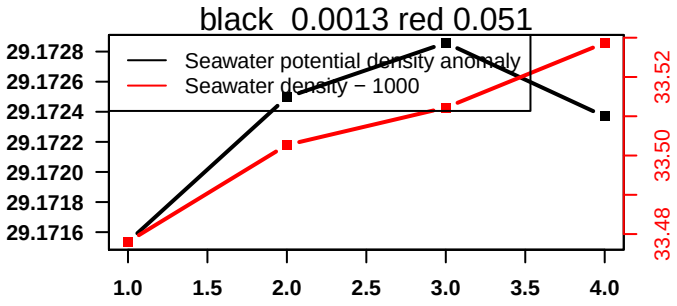
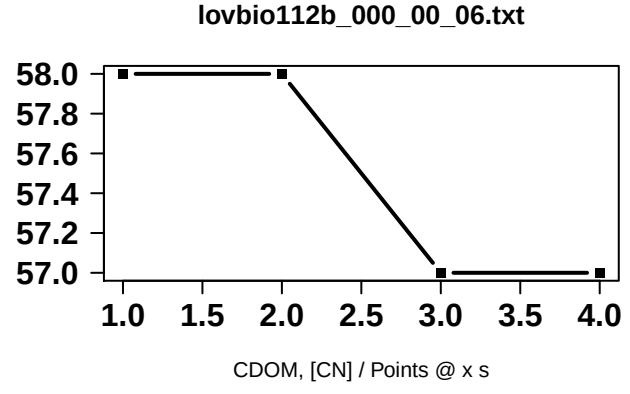
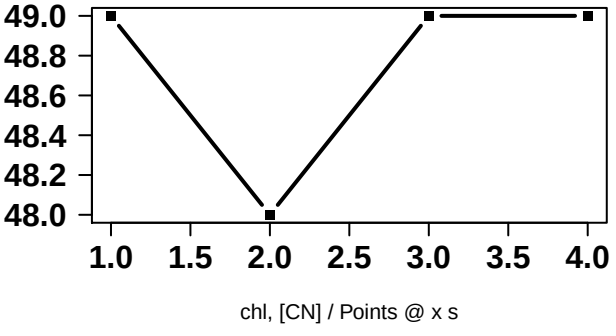
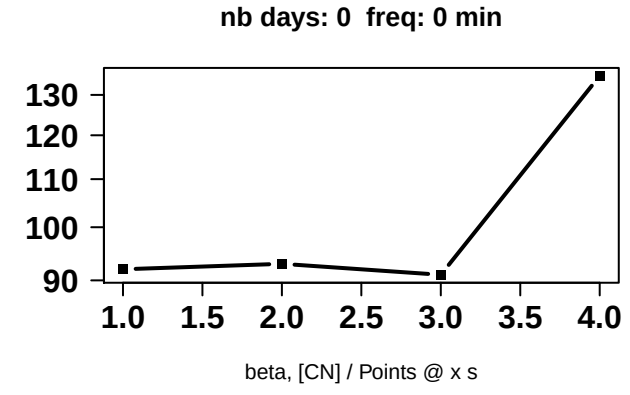
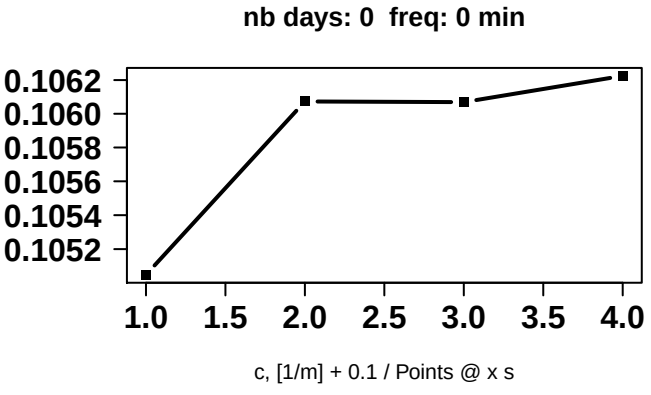

2017−05−25 05:03:00 2017−05−25 05:03:06
1000
998
996
994
992
990
2
4
6
8
10
12
Pressure in

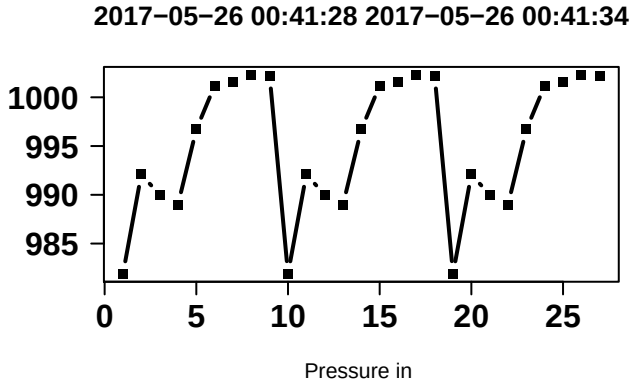

black 0.0013 red 0.051
Seawater potential density anomaly
Seawater density − 1000
29.1728
29.1726
29.1724
29.1722
29.1720
29.1718
29.1716
33.52
33.50
33.48
1.0
1.5
2.0
2.5
3.0
3.5
4.0

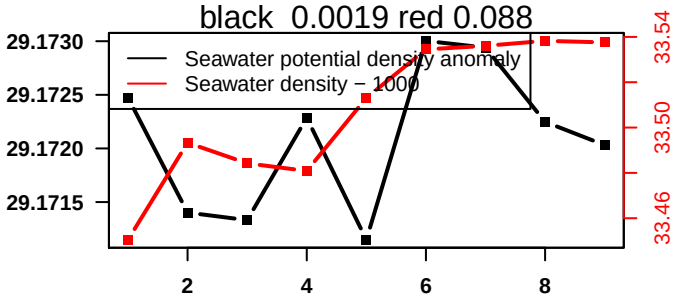

lovbio112b_000_00_06.txt
58.0
57.8
57.6
57.4
57.2
57.0
1.0
1.5
2.0
2.5
3.0
3.5
4.0
CDOM, [CN] / Points @ x s

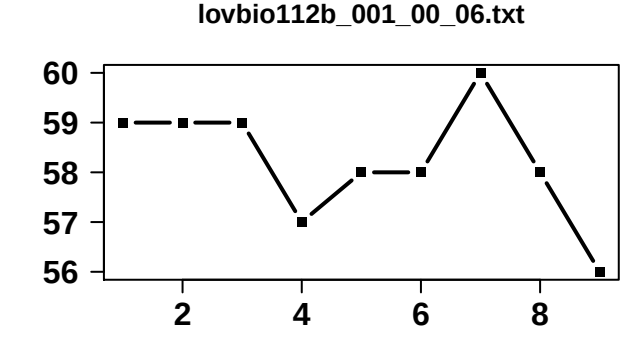

49.0
48.8
48.6
48.4
48.2
48.0
1.0
1.5
2.0
2.5
3.0
3.5
4.0
chl, [CN] / Points @ x s

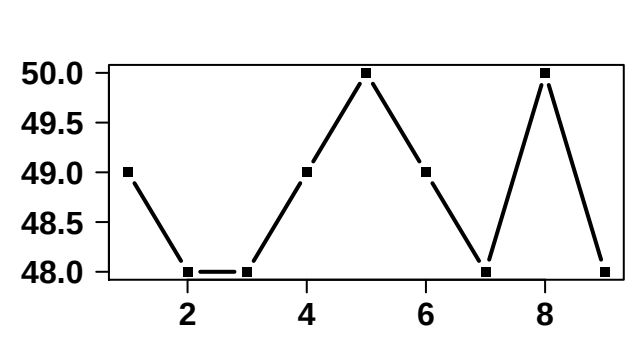

nb days: 0 freq: 0 min
130
120
110
100
90
1.0
1.5
2.0
2.5
3.0
3.5
4.0
beta, [CN] / Points @ x s

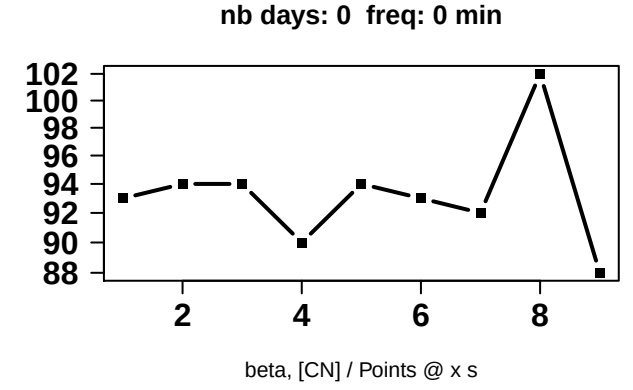

nb days: 0 freq: 0 min
0.1062
0.1060
0.1058
0.1056
0.1054
0.1052
1.0
1.5
2.0
2.5
3.0
3.5
4.0
c, [1/m] + 0.1 / Points @ x s

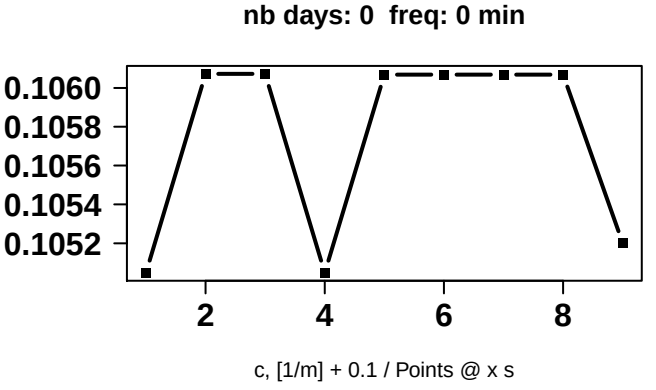

2017−05−26 00:41:28 2017−05−26 00:41:34
1000
995
990
985
0
5
10
15
20
25
Pressure in

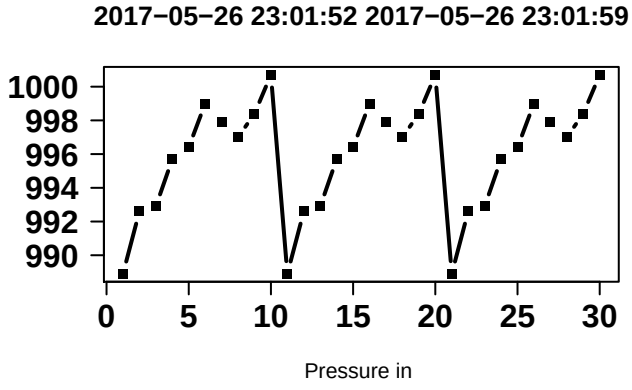

black 0.0019 red 0.088
Seawater potential density anomaly
Seawater density − 1000
29.1730
29.1725
29.1720
29.1715
33.54
33.50
33.46
2
4
6
8

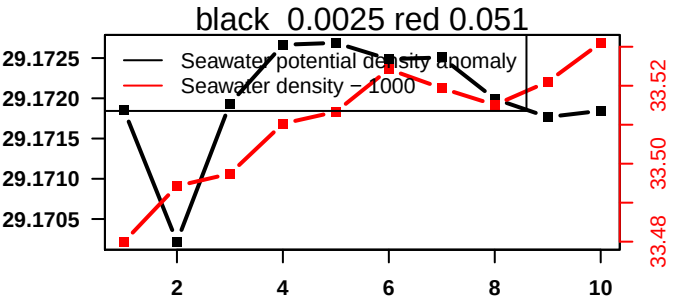

lovbio112b_001_00_06.txt
60
59
58
57
56
2
4
6
8
CDOM, [CN] / Points @ x s

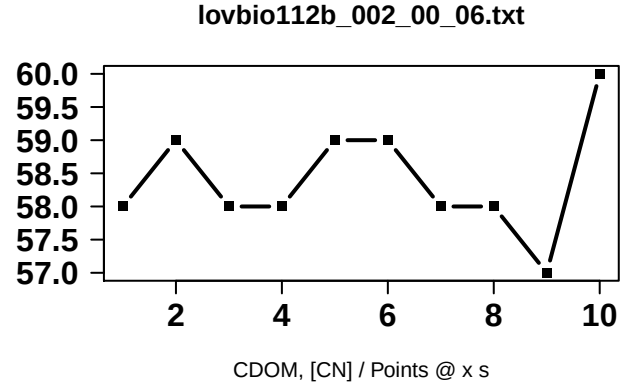

50.0
49.5
49.0
48.5
48.0
2
4
6
8
chl, [CN] / Points @ x s

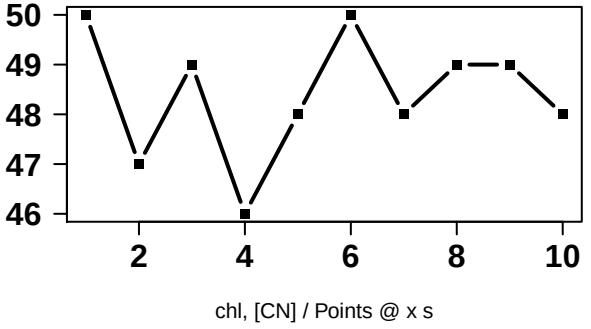

nb days: 0 freq: 0 min
102
100
98
96
94
92
90
88
2
4
6
8
beta, [CN] / Points @ x s

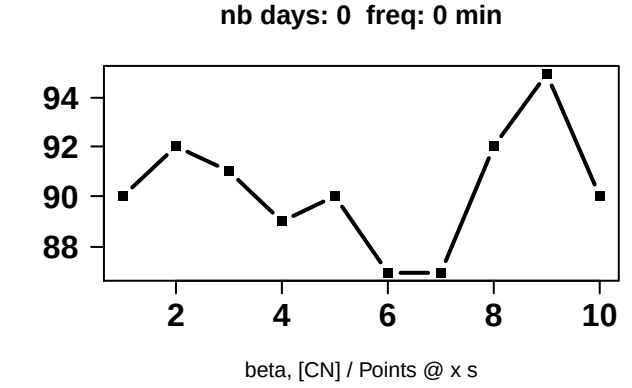

nb days: 0 freq: 0 min
0.1060
0.1058
0.1056
0.1054
0.1052
2
4
6
8
c, [1/m] + 0.1 / Points @ x s

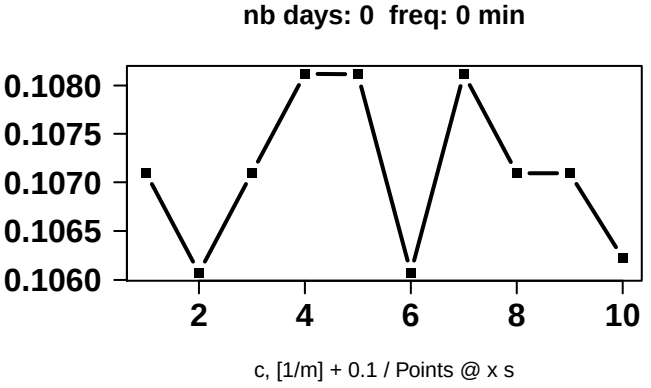

2017−05−26 23:01:52 2017−05−26 23:01:59
1000
998
996
994
992
990
0
5
10
15
20
25
30
Pressure in

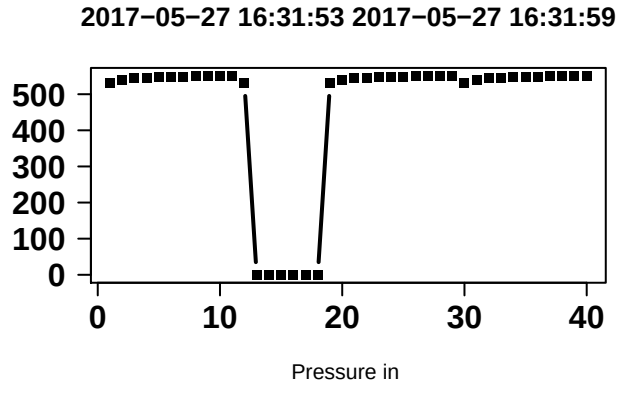

black 0.0025 red 0.051
Seawater potential density anomaly
Seawater density − 1000
29.1725
29.1720
29.1715
29.1710
29.1705
33.52
33.50
33.48
2
4
6
8
10

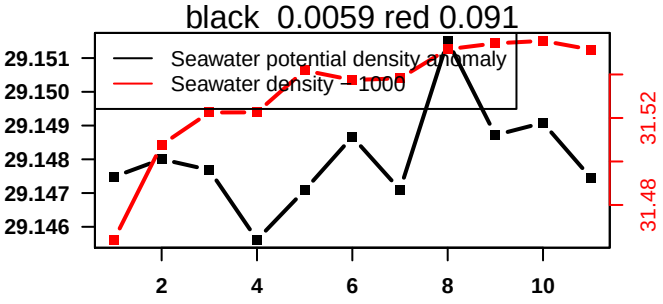

lovbio112b_002_00_06.txt
60.0
59.5
59.0
58.5
58.0
57.5
57.0
2
4
6
8
10
CDOM, [CN] / Points @ x s

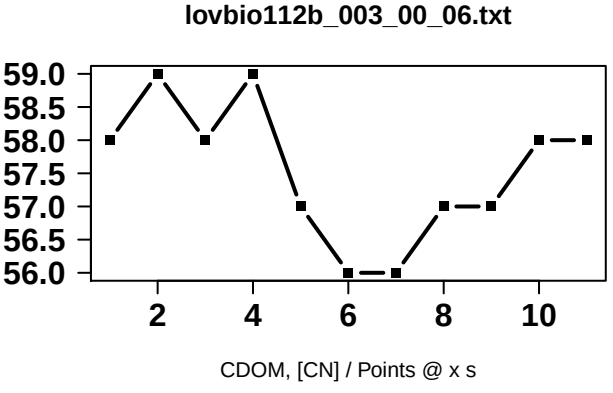

50
49
48
47
46
2
4
6
8
10
chl, [CN] / Points @ x s

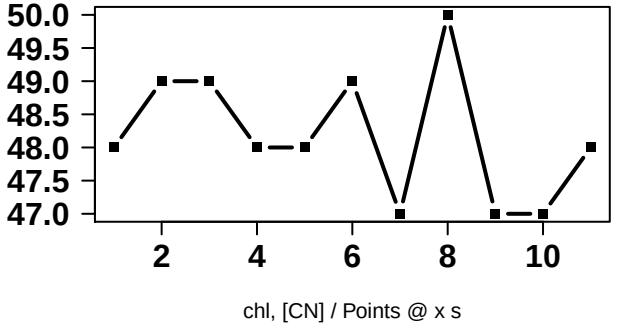

nb days: 0 freq: 0 min
94
92
90
88
2
4
6
8
10
beta, [CN] / Points @ x s

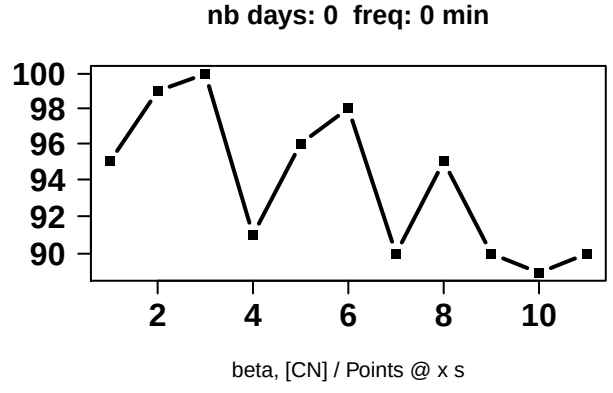

nb days: 0 freq: 0 min
0.1080
0.1075
0.1070
0.1065
0.1060
2
4
6
8
10
c, [1/m] + 0.1 / Points @ x s

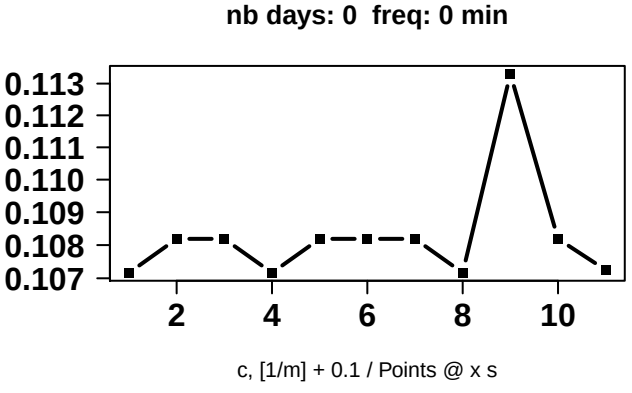

2017−05−27 16:31:53 2017−05−27 16:31:59
500
400
300
200
100
0
0
10
20
30
40
Pressure in

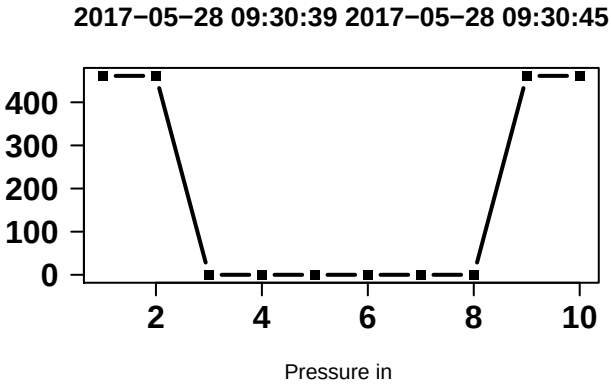

black 0.0059 red 0.091
Seawater potential density anomaly
Seawater density − 1000
29.151
29.150
29.149
29.148
29.147
29.146
31.52
31.48
2
4
6
8
10

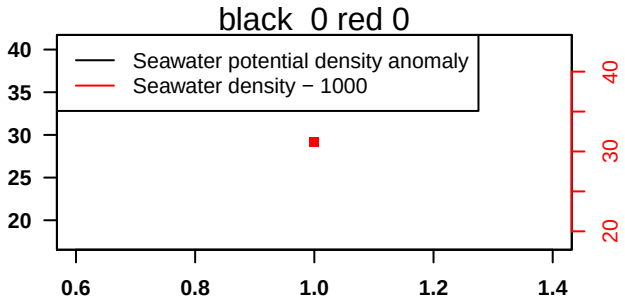

lovbio112b_003_00_06.txt
59.0
58.5
58.0
57.5
57.0
56.5
56.0
2
4
6
8
10
CDOM, [CN] / Points @ x s

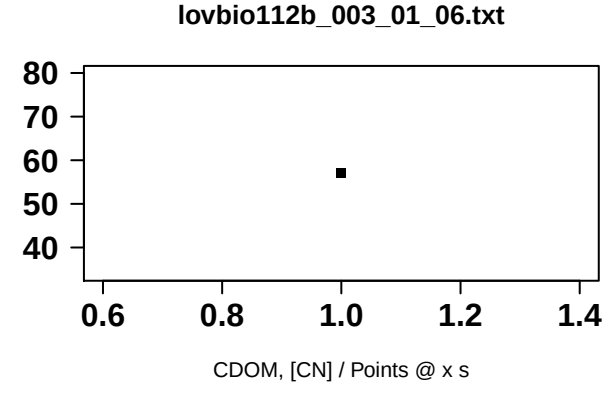

50.0
49.5
49.0
48.5
48.0
47.5
47.0
2
4
6
8
10
chl, [CN] / Points @ x s

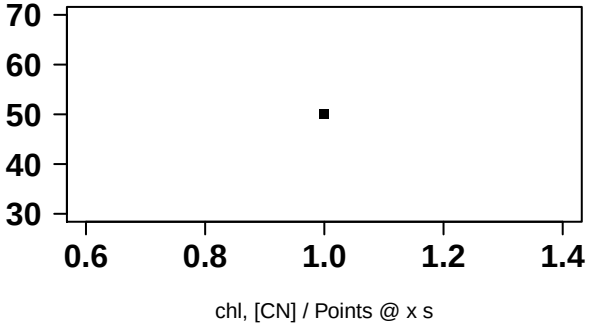

nb days: 0 freq: 0 min
100
98
96
94
92
90
2
4
6
8
10
beta, [CN] / Points @ x s

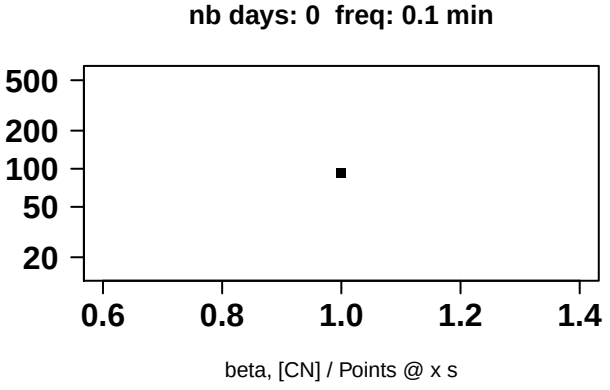

nb days: 0 freq: 0 min
0.113
0.112
0.111
0.110
0.109
0.108
0.107
2
4
6
8
10
c, [1/m] + 0.1 / Points @ x s

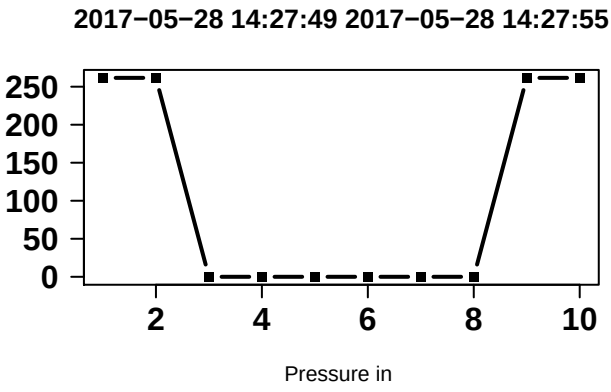

2017−05−28 09:30:39 2017−05−28 09:30:45
400
300
200
100
0
2
4
6
8
10
Pressure in

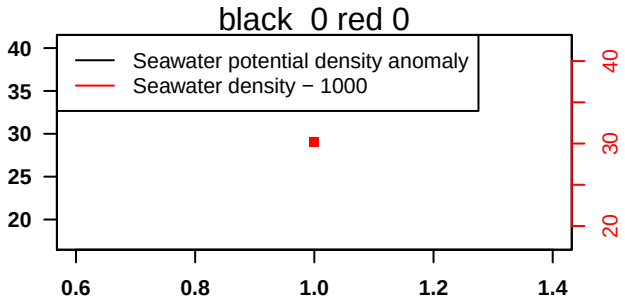

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

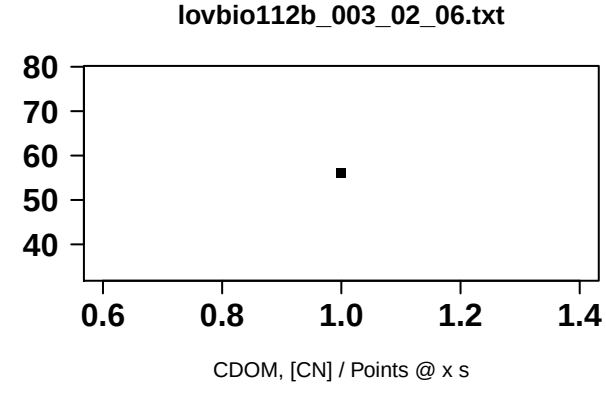

lovbio112b_003_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

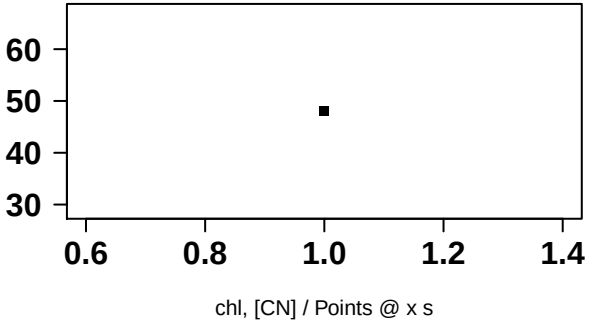

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

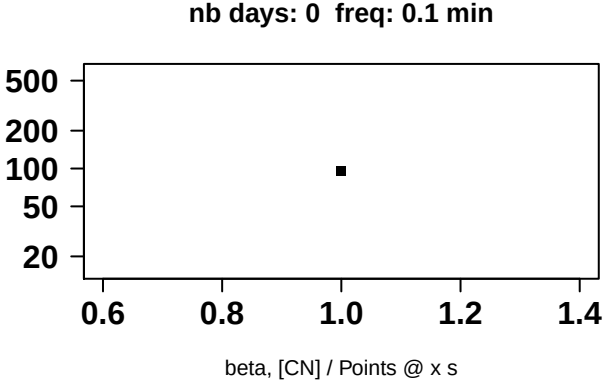

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

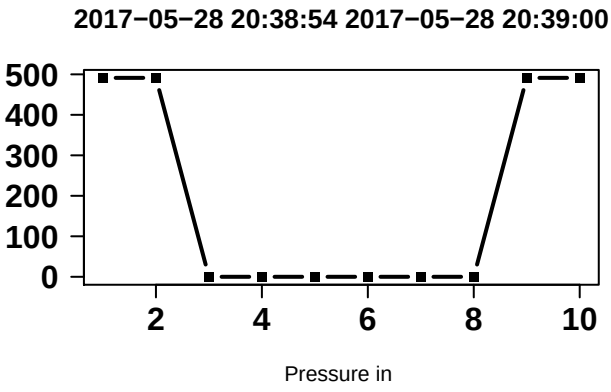

2017−05−28 14:27:49 2017−05−28 14:27:55
250
200
150
100
50
0
2
4
6
8
10
Pressure in

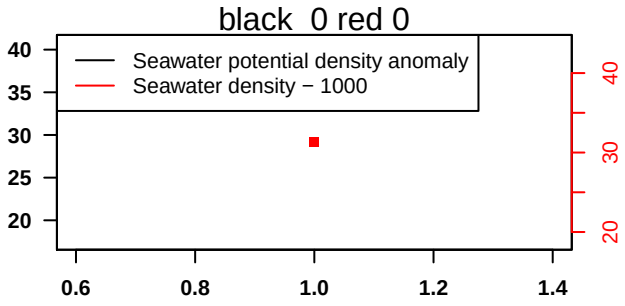

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

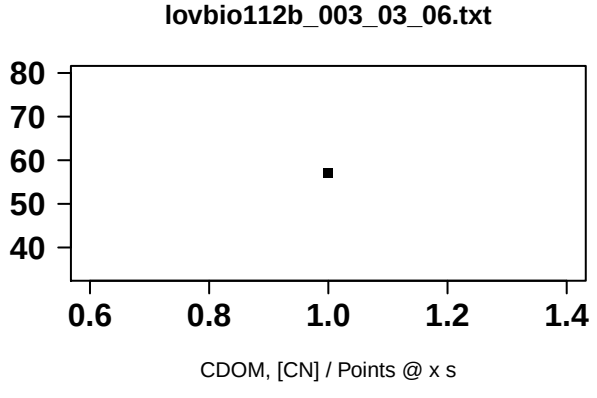

lovbio112b_003_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

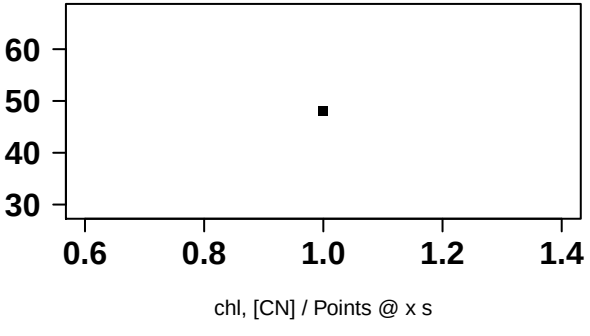

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

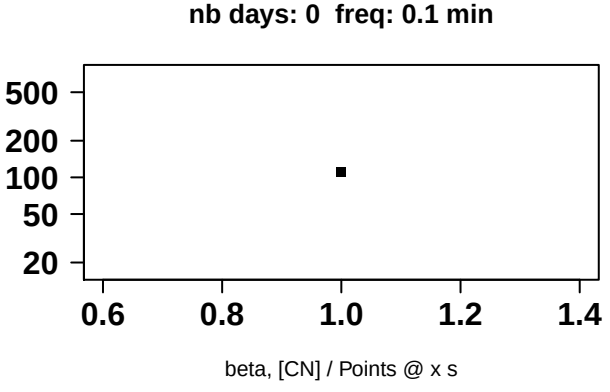

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

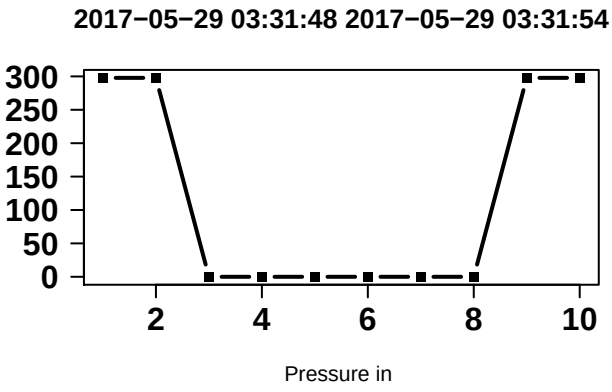

2017−05−28 20:38:54 2017−05−28 20:39:00
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_003_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−05−29 03:31:48 2017−05−29 03:31:54
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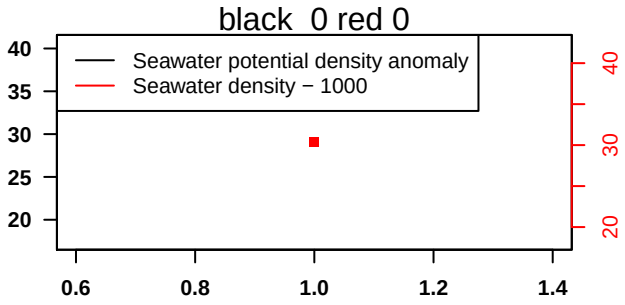
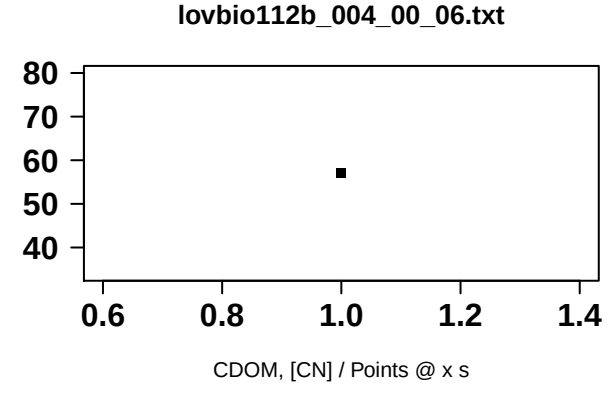
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_004_00_06.txt
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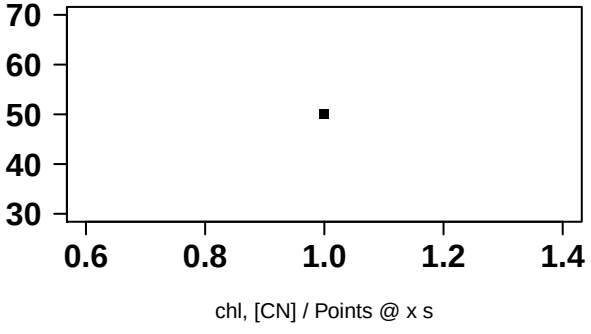
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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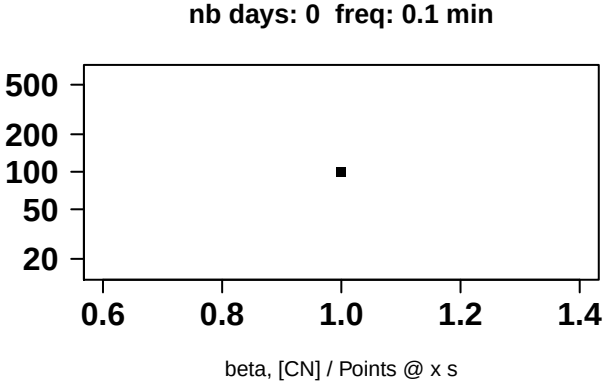
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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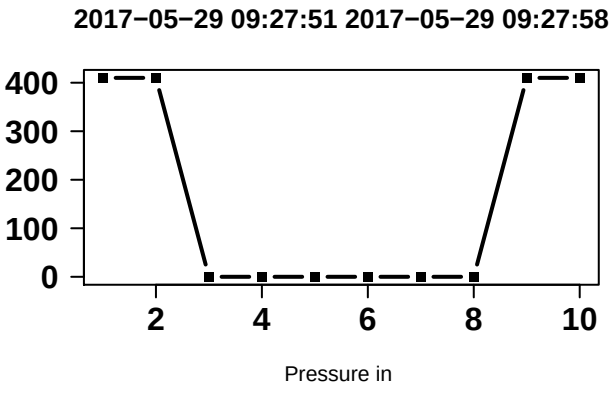
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−29 09:27:51 2017−05−29 09:27:58
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100
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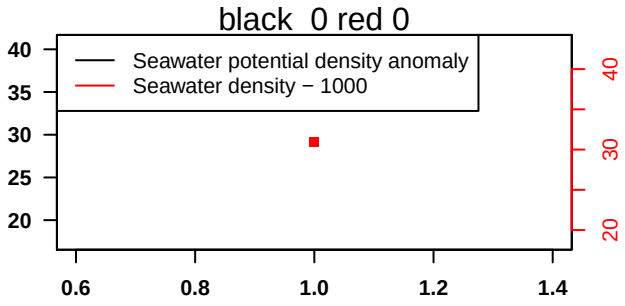
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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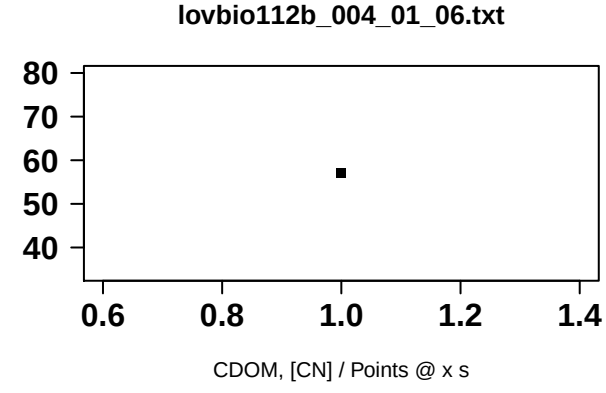
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_004_01_06.txt
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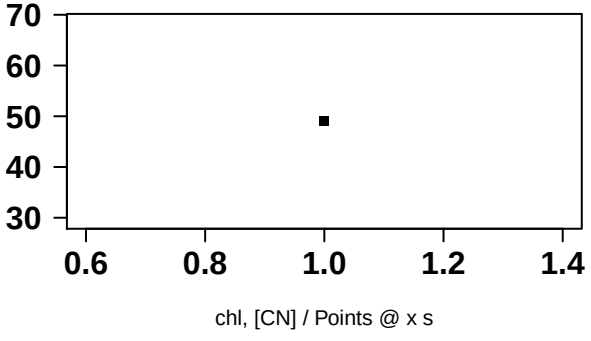
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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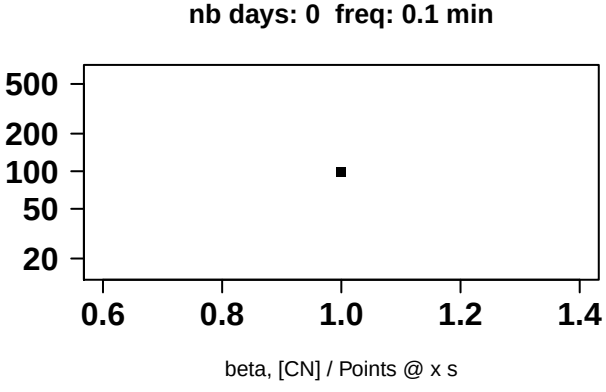
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s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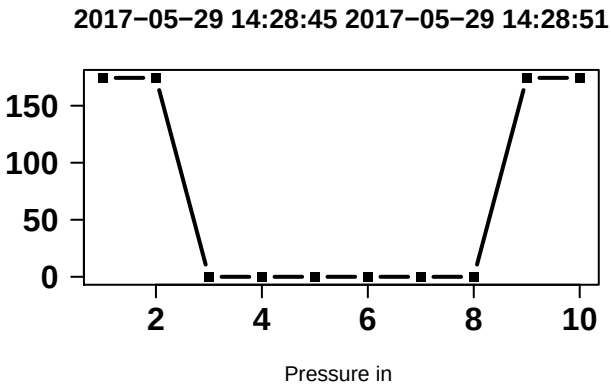
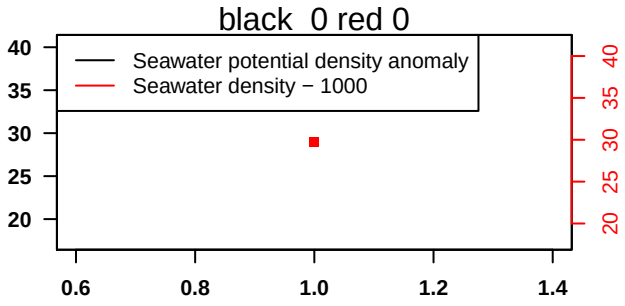
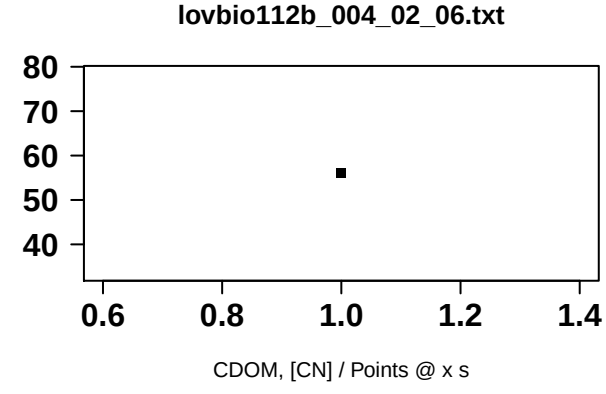
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−29 14:28:45 2017−05−29 14:28:51
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_004_02_06.txt
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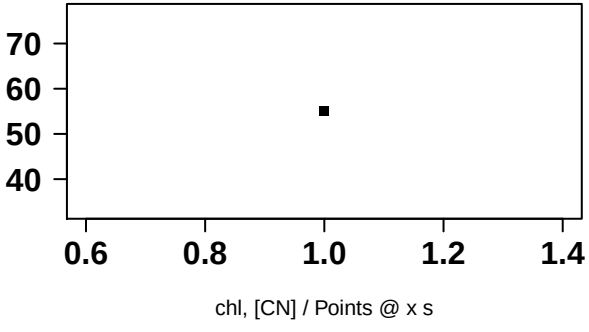
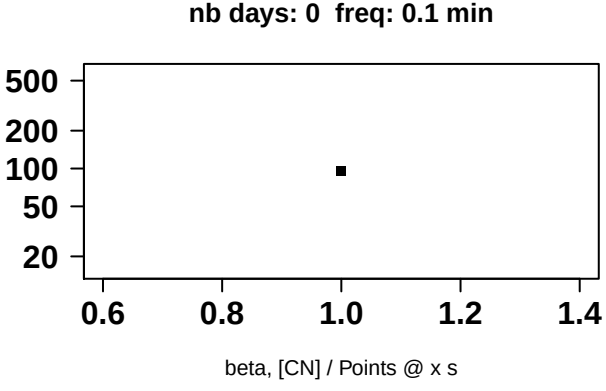
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


70
60
50
40
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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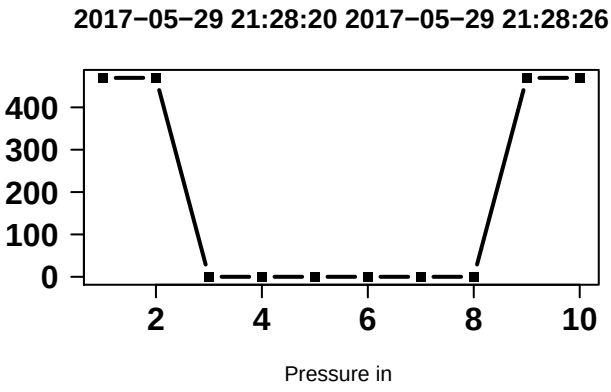
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−29 21:28:20 2017−05−29 21:28:26
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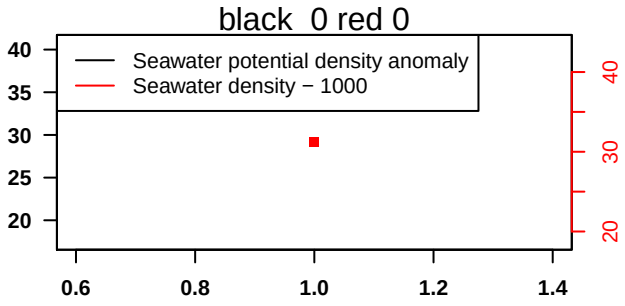
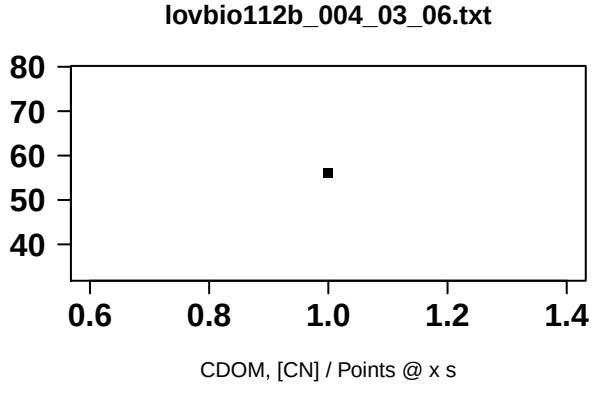
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_004_03_06.txt
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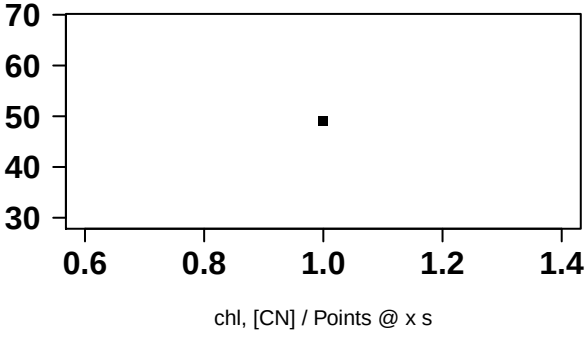
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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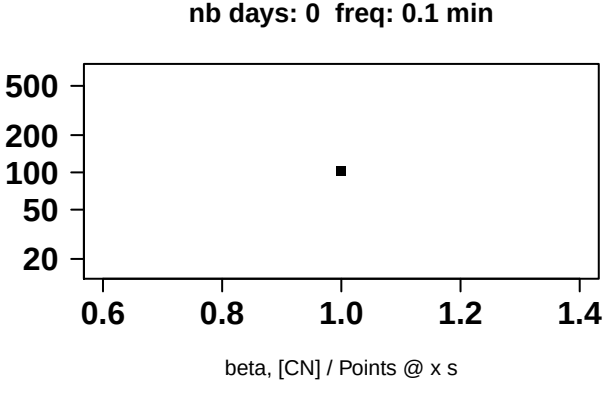
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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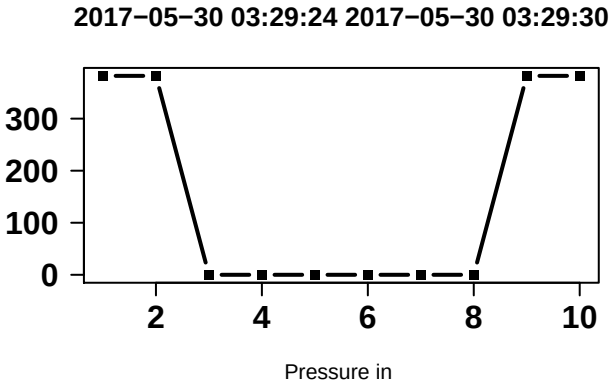
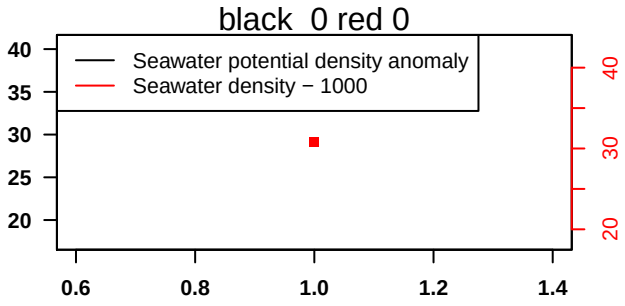
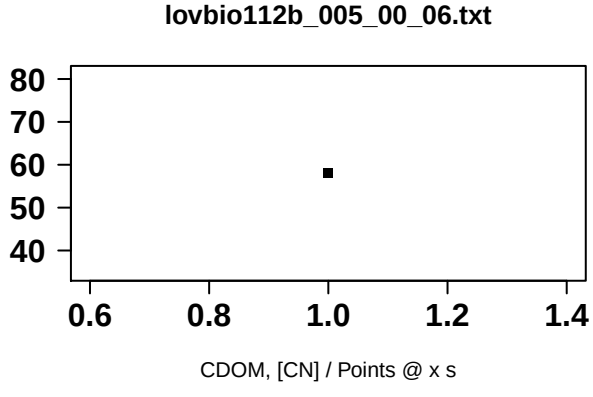
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−30 03:29:24 2017−05−30 03:29:30
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_005_00_06.txt
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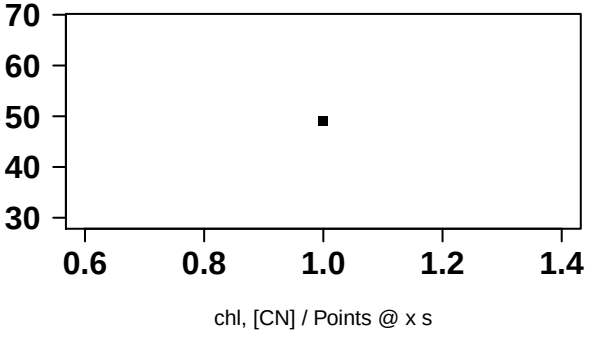
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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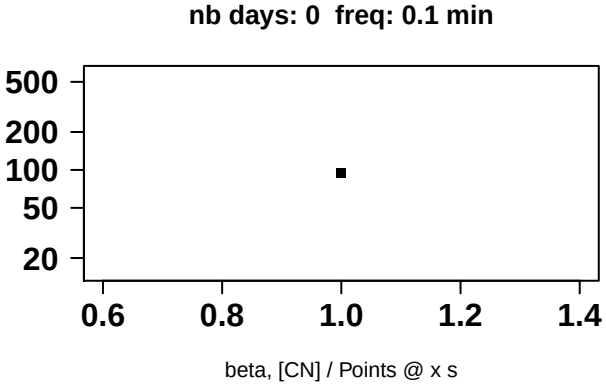
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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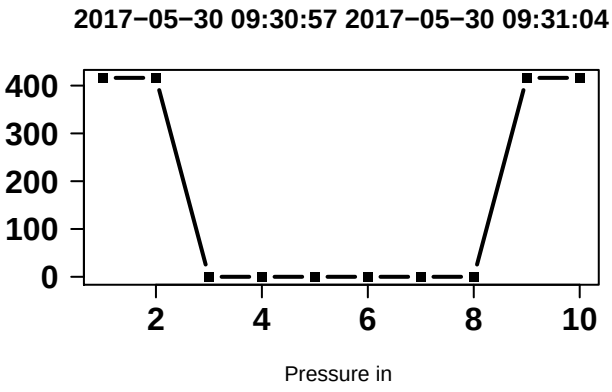
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−30 09:30:57 2017−05−30 09:31:04
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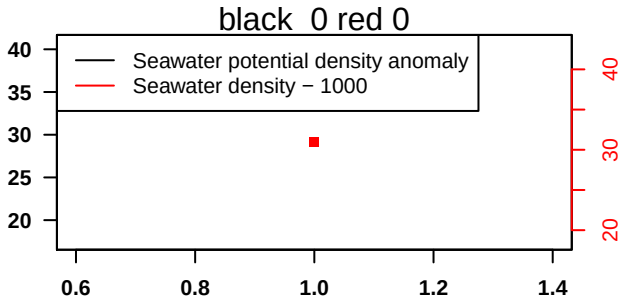
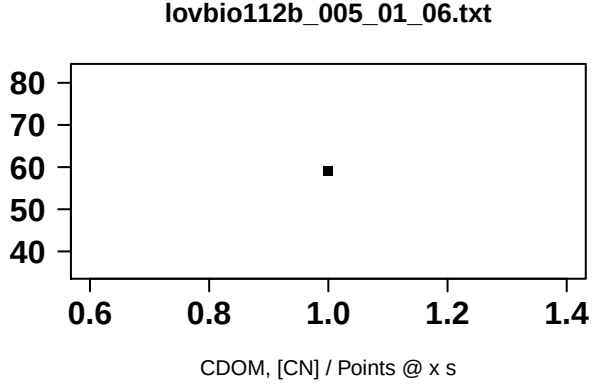
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_005_01_06.txt
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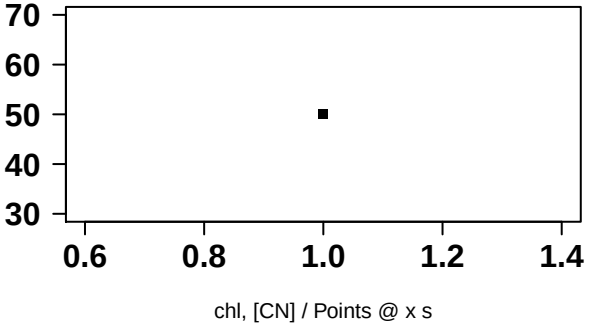
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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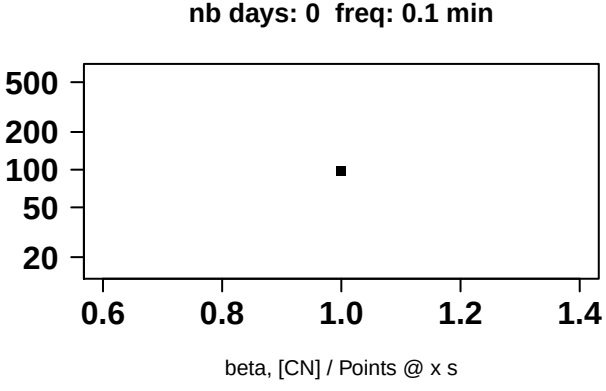
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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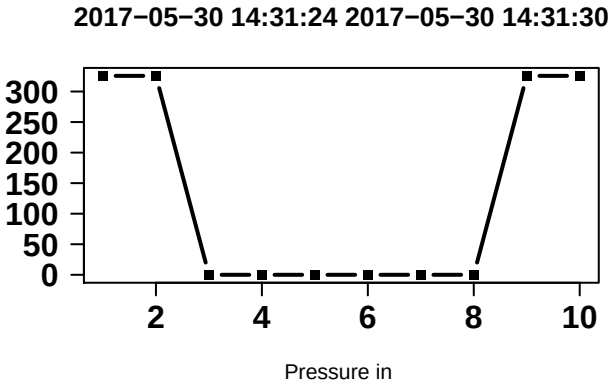
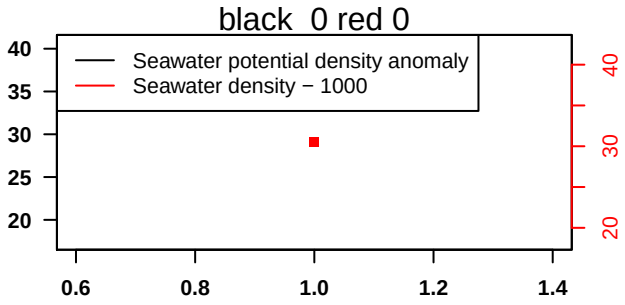
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−30 14:31:24 2017−05−30 14:31:30
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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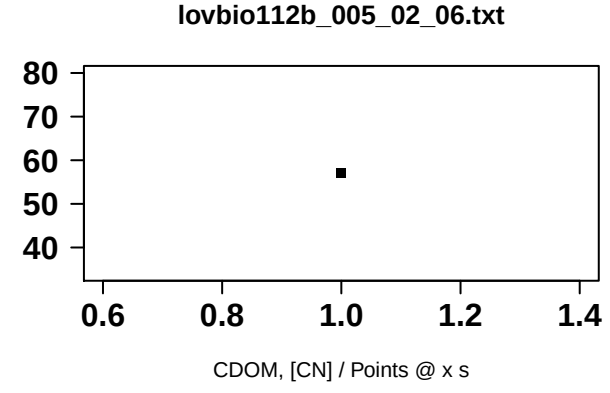
40
30
20


lovbio112b_005_02_06.txt
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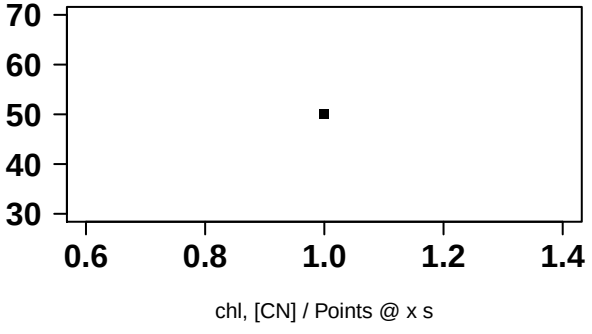
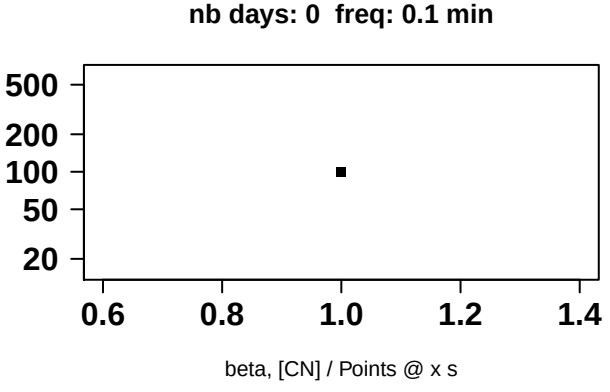
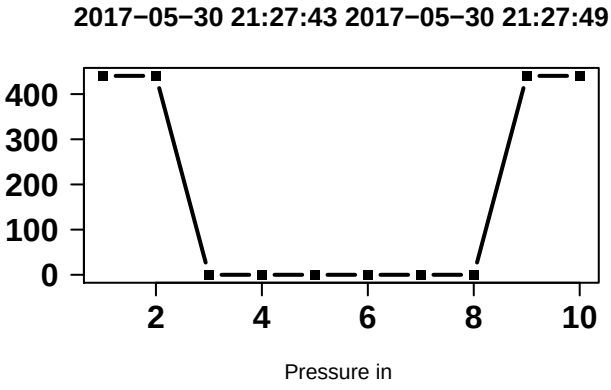
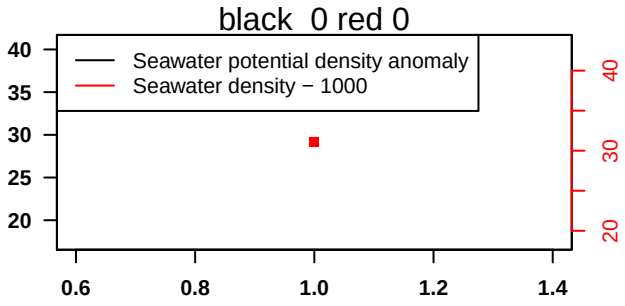
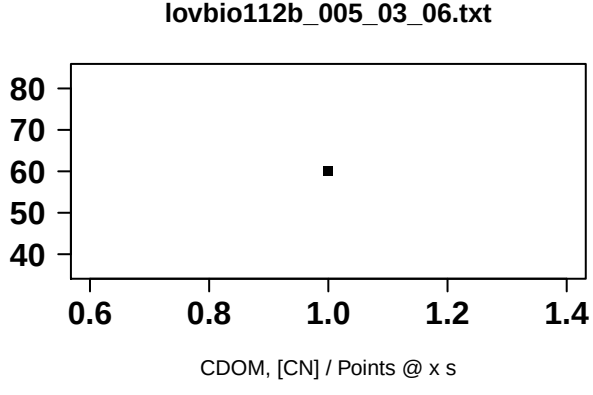
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−05−30 21:27:43 2017−05−30 21:27:49
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_005_03_06.txt
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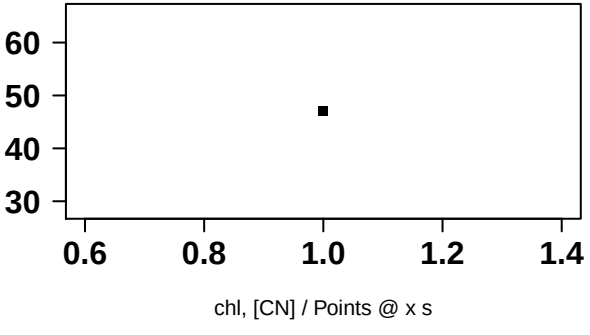
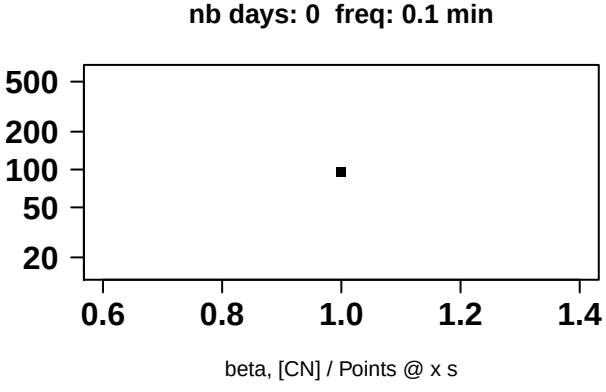
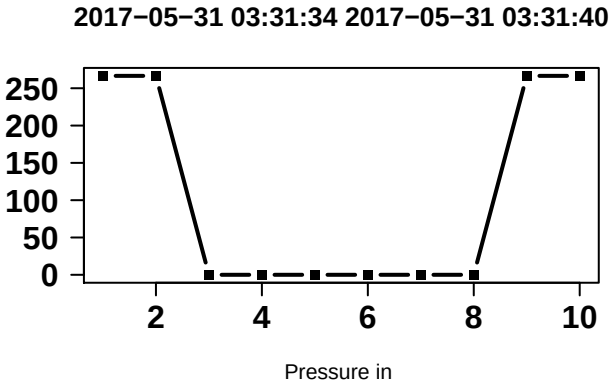
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−05−31 03:31:34 2017−05−31 03:31:40
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50
0
2
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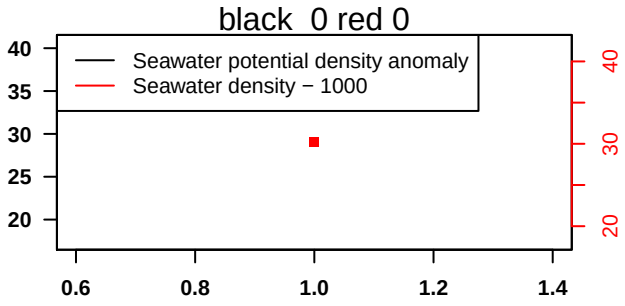
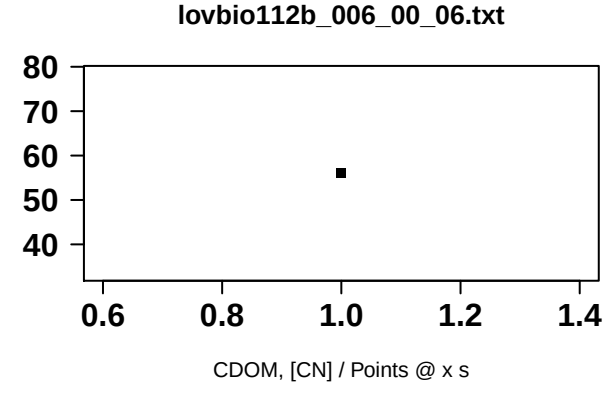
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_006_00_06.txt
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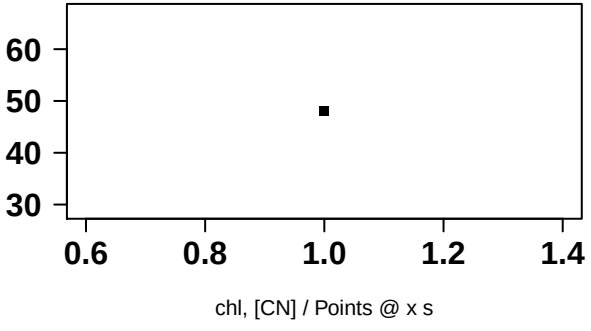
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
50
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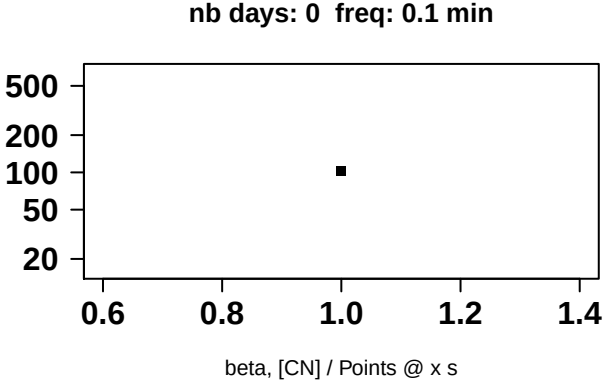
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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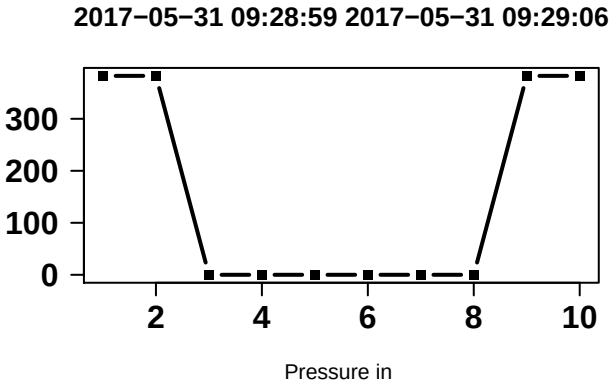
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−31 09:28:59 2017−05−31 09:29:06
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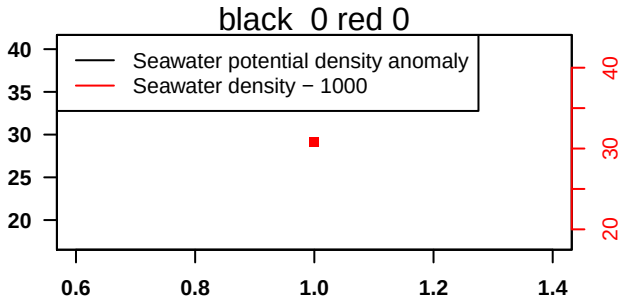
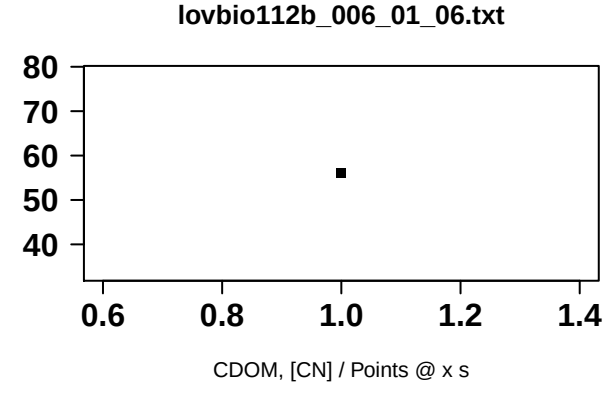
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_006_01_06.txt
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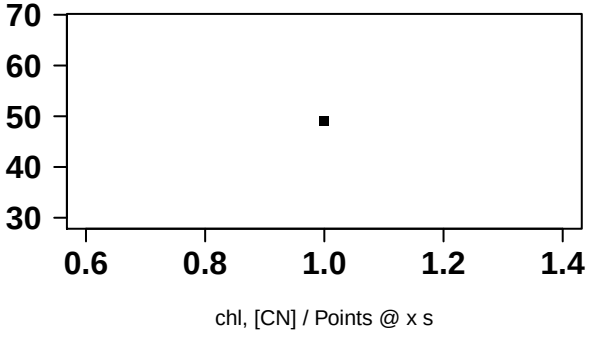
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


70
60
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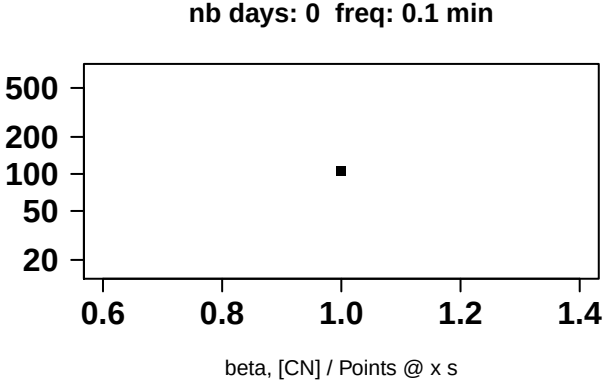
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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100
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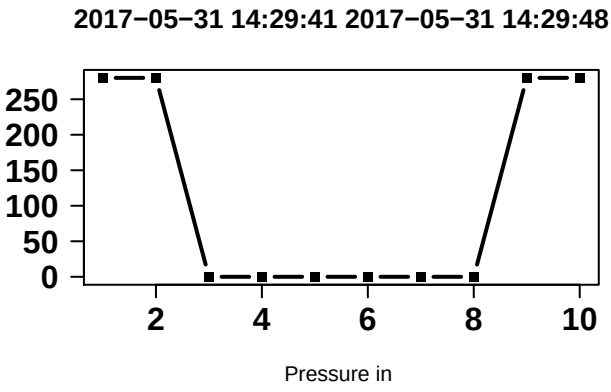
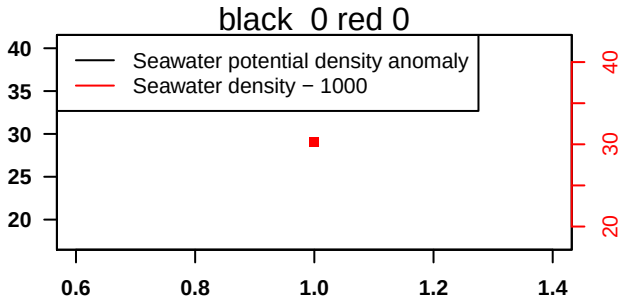
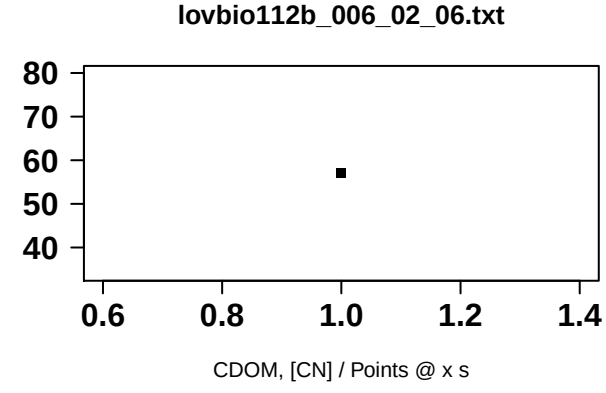
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−31 14:29:41 2017−05−31 14:29:48
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_006_02_06.txt
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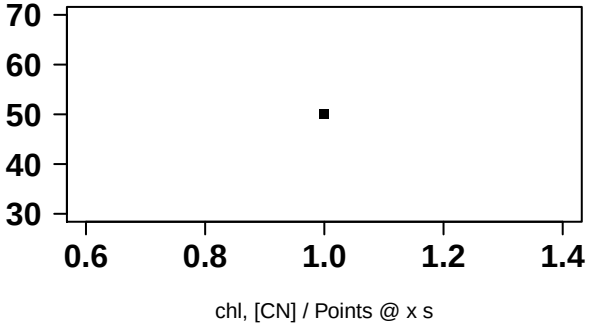
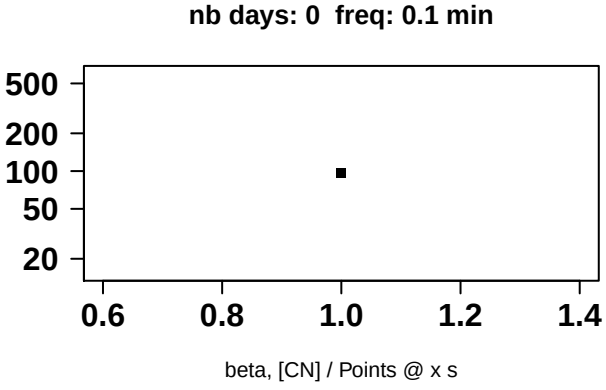
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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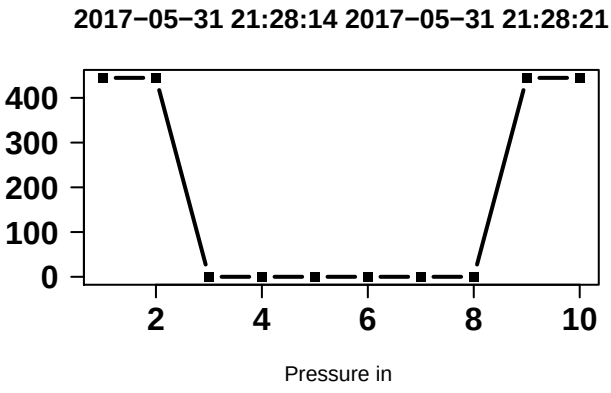
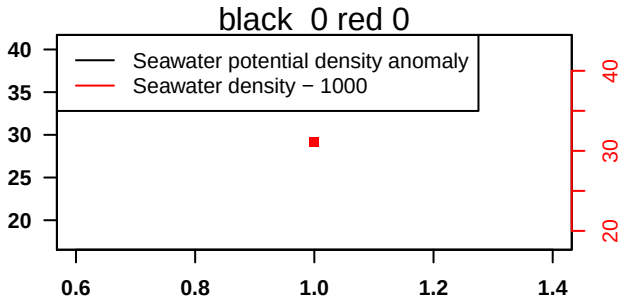
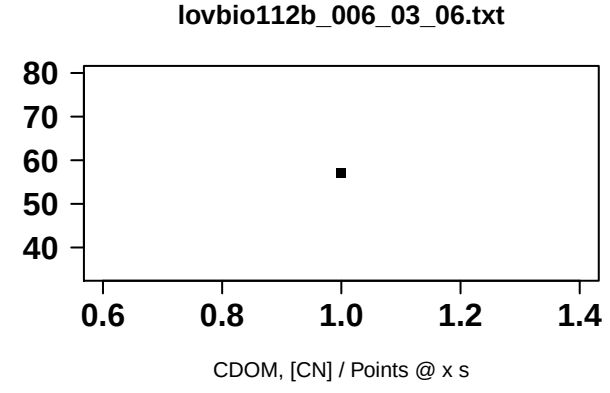
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−05−31 21:28:14 2017−05−31 21:28:21
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_006_03_06.txt
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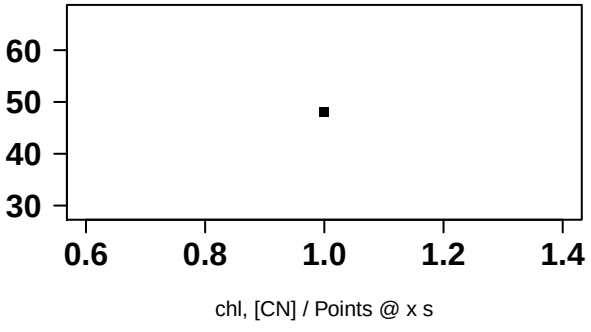
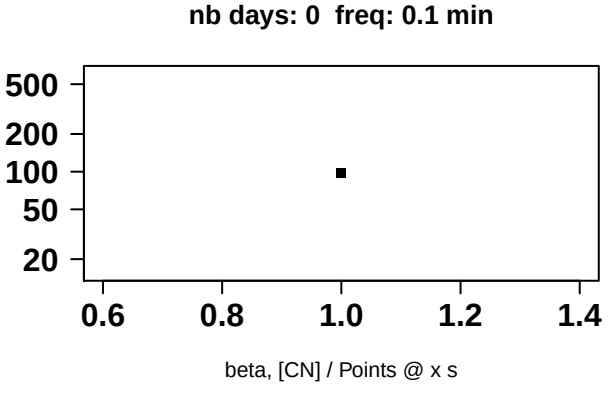
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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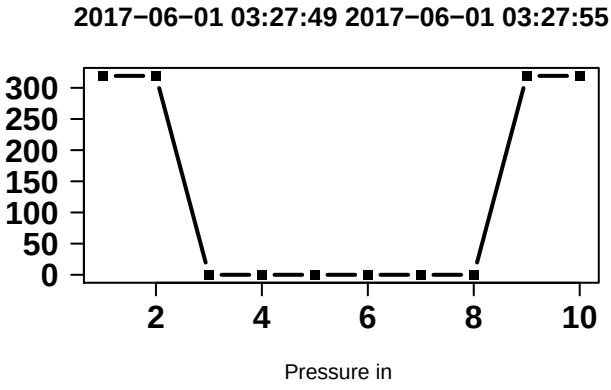
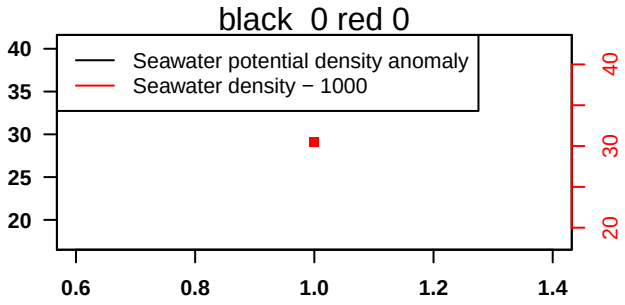
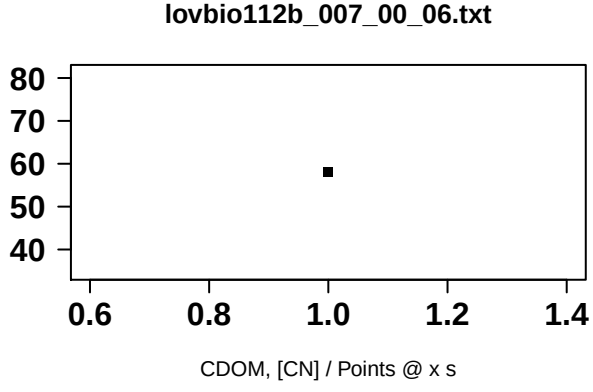
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−01 03:27:49 2017−06−01 03:27:55
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_007_00_06.txt
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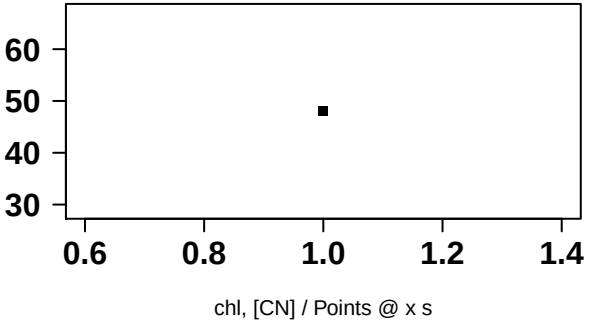
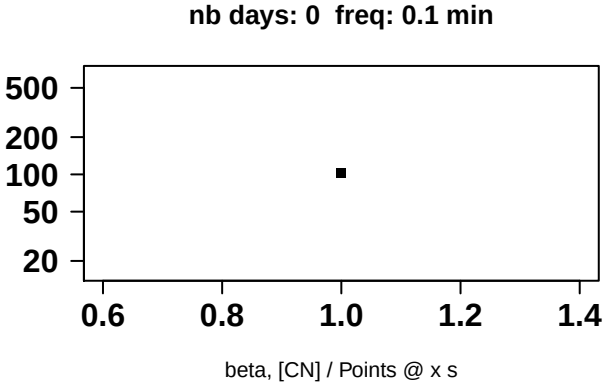
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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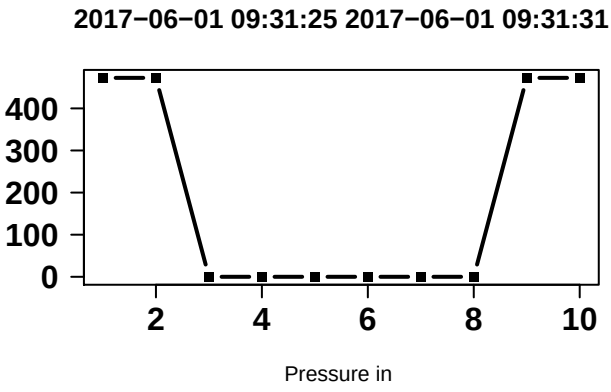
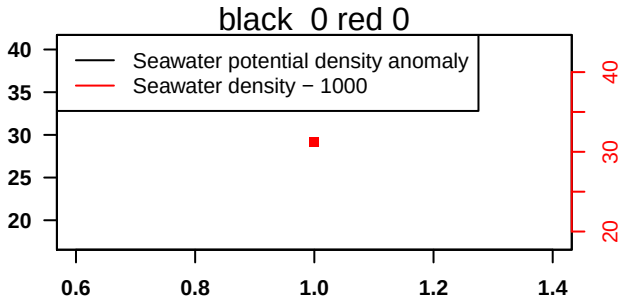
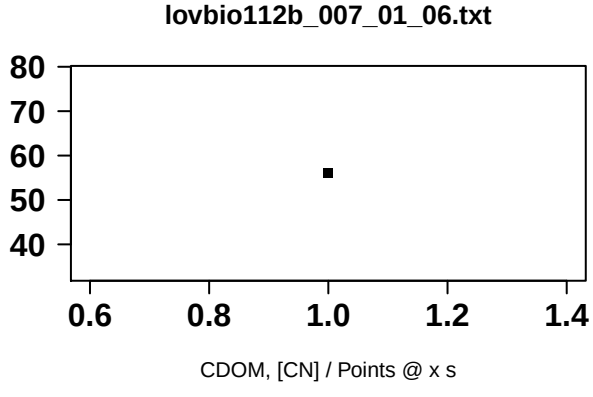
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−01 09:31:25 2017−06−01 09:31:31
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_007_01_06.txt
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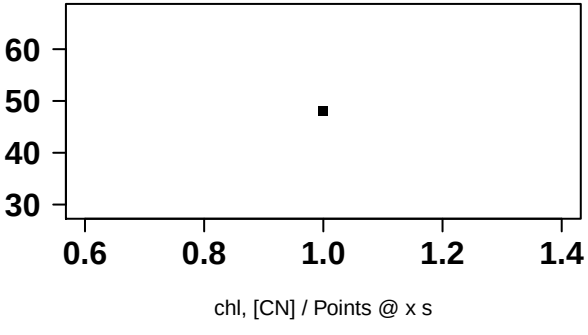
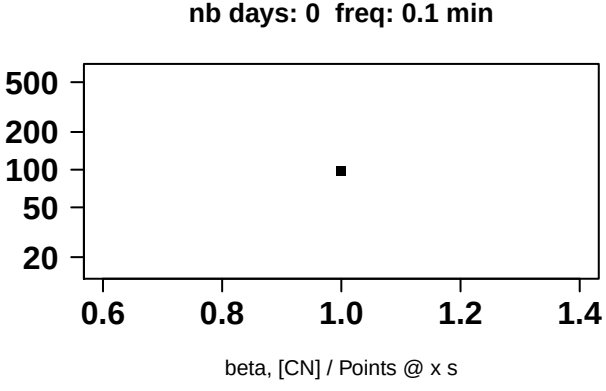
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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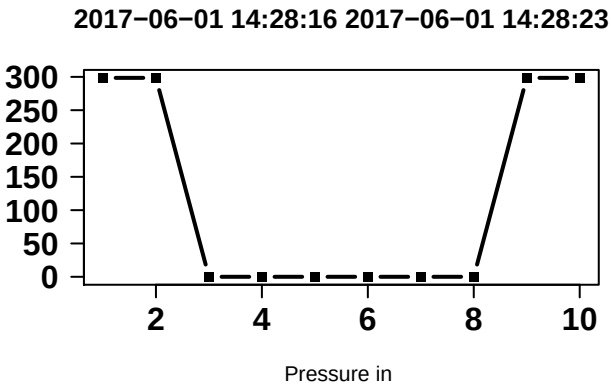
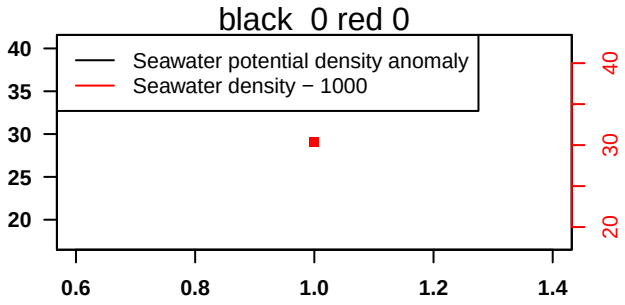
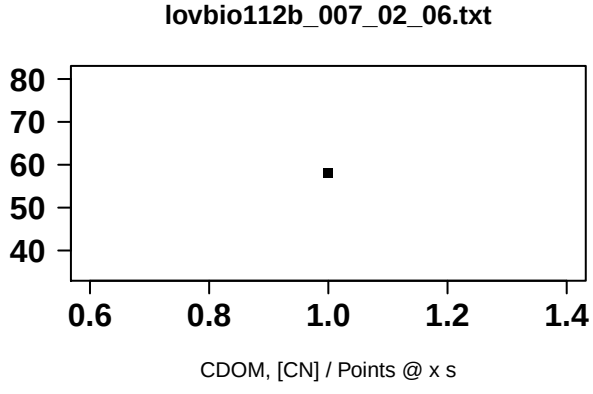
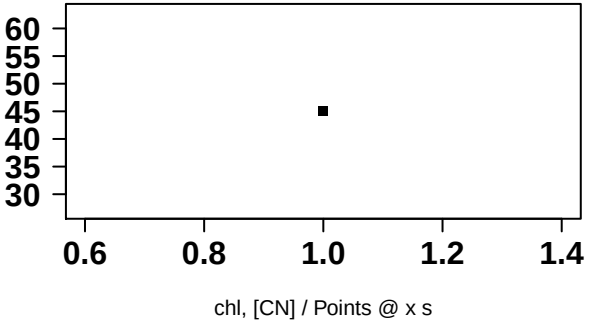
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−01 14:28:16 2017−06−01 14:28:23
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_007_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
55
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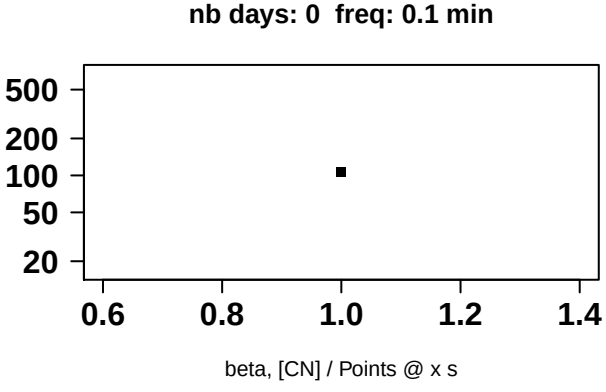
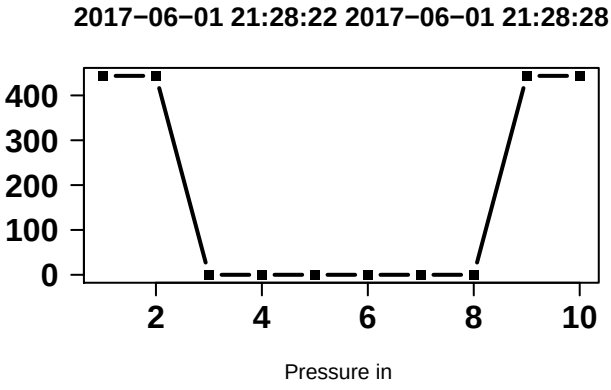
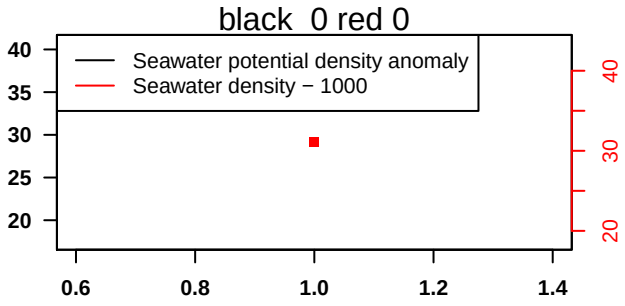
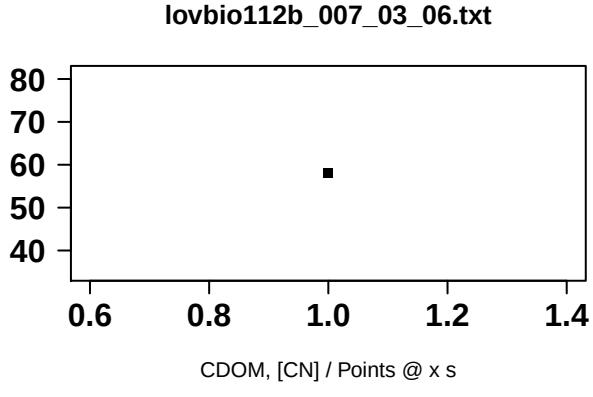
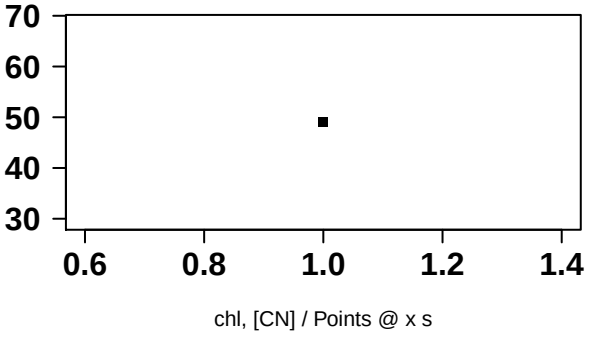
45
40
35
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

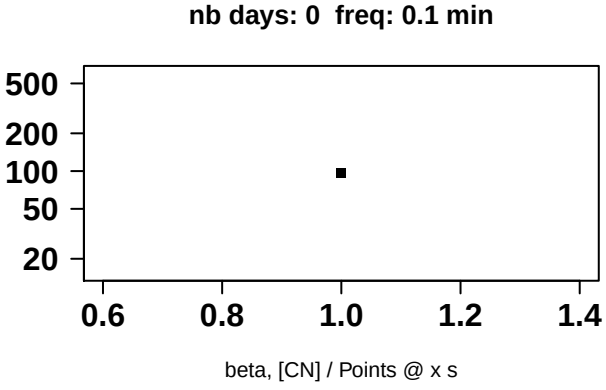

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

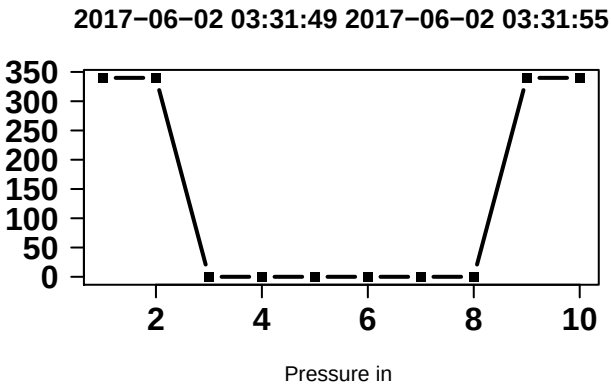

2017−06−01 21:28:22 2017−06−01 21:28:28
400
300
200
100
0
2
4
6
8
10
Pressure in

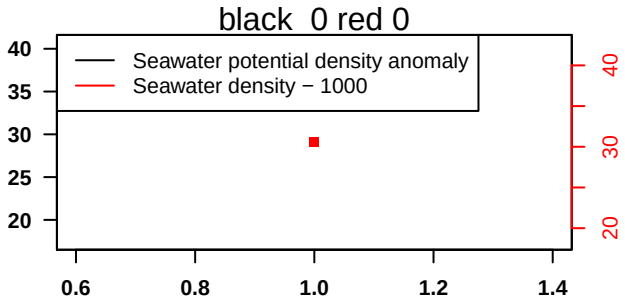

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

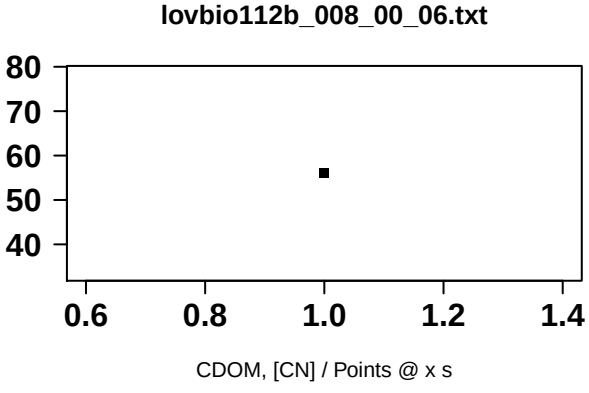

lovbio112b_007_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

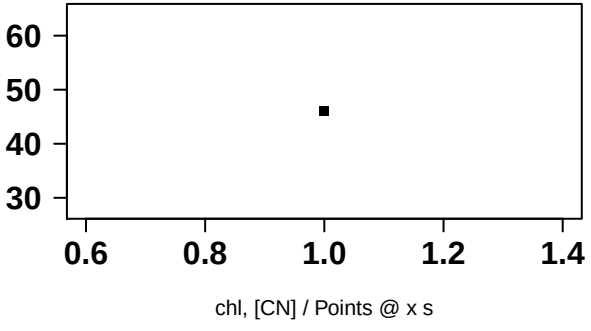

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

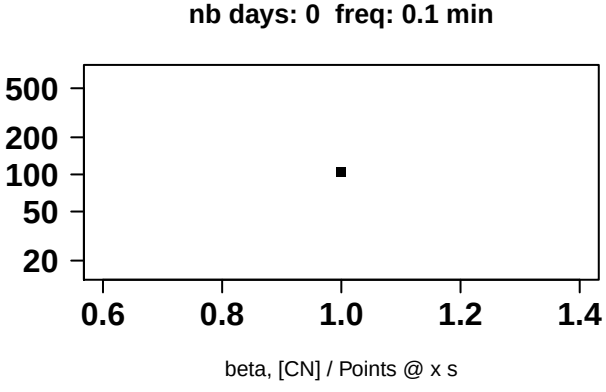

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

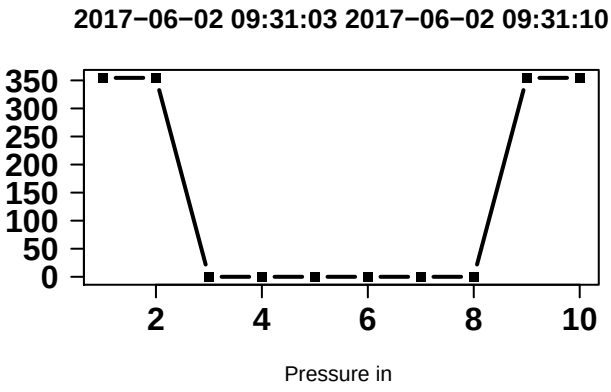

2017−06−02 03:31:49 2017−06−02 03:31:55
350
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

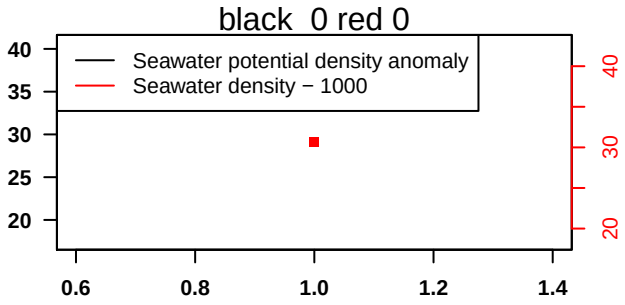

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

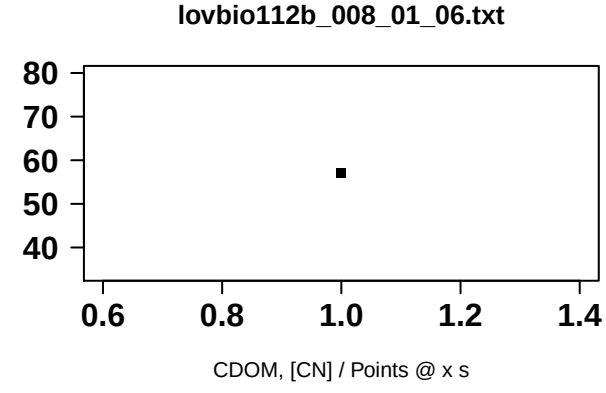

lovbio112b_008_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

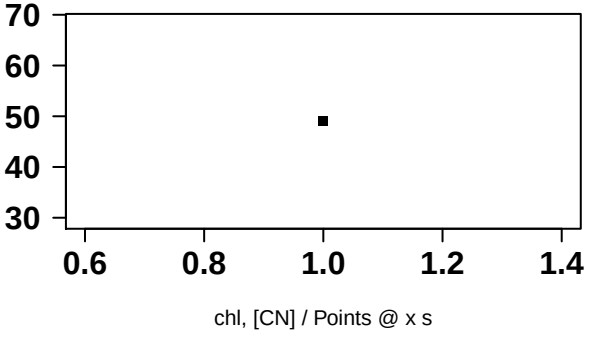

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

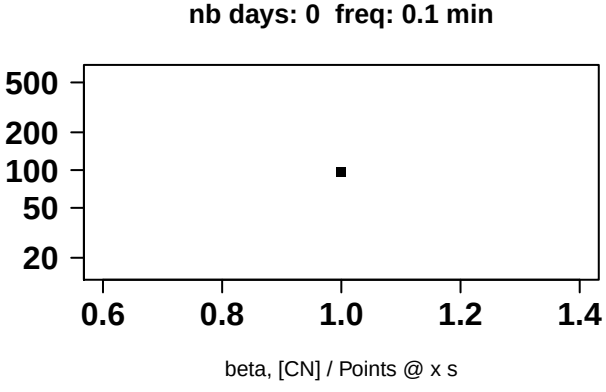

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−02 09:31:03 2017−06−02 09:31:10
350
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_008_01_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
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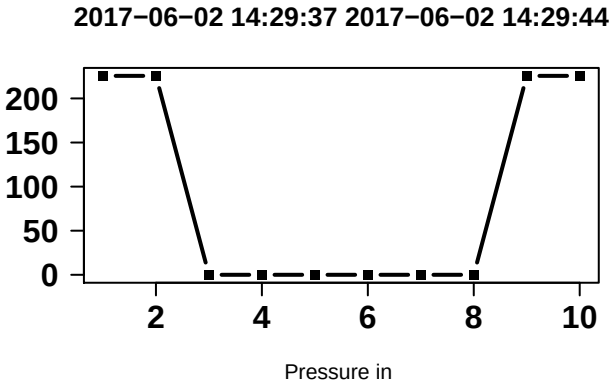
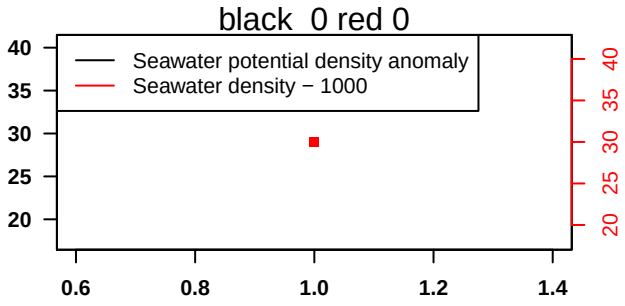
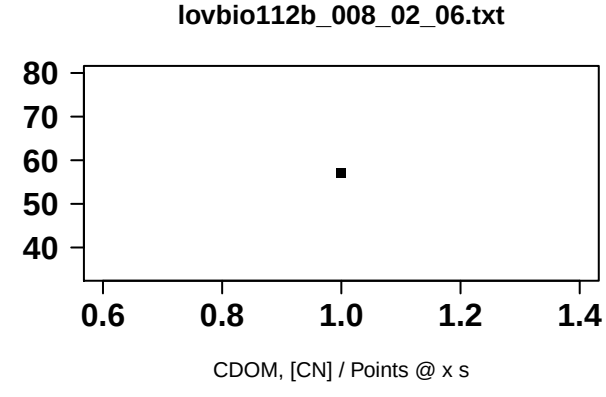
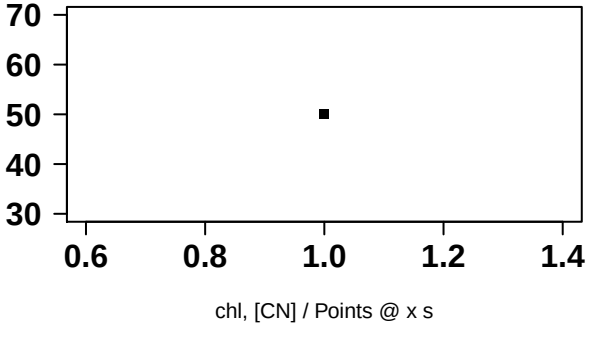
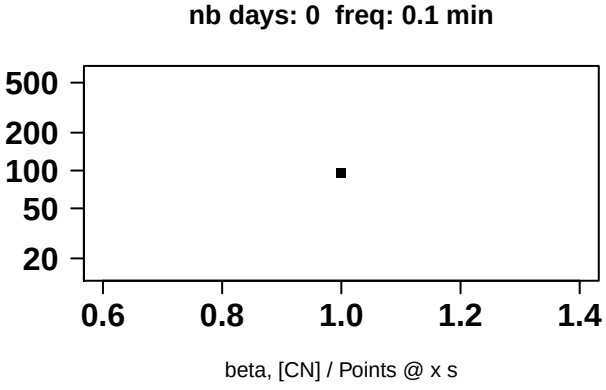
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

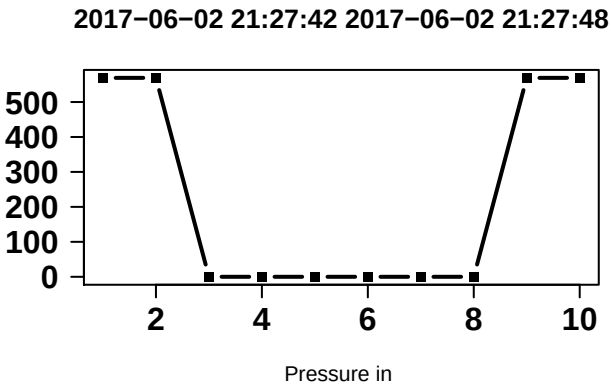

2017−06−02 14:29:37 2017−06−02 14:29:44
200
150
100
50
0
2
4
6
8
10
Pressure in

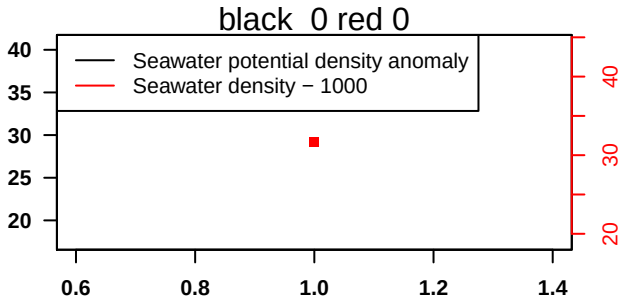

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4

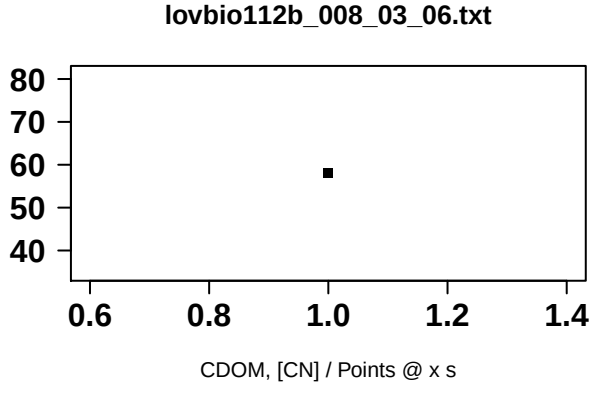

lovbio112b_008_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

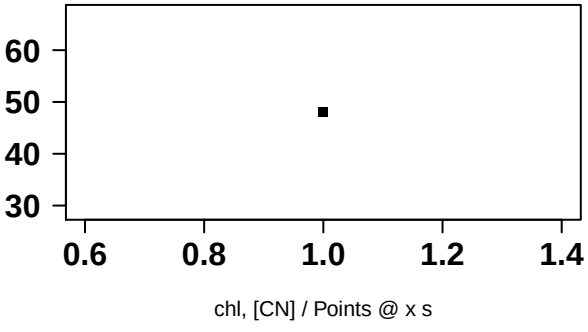

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

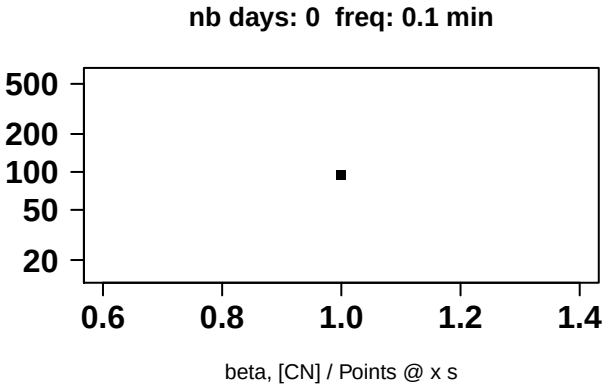

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

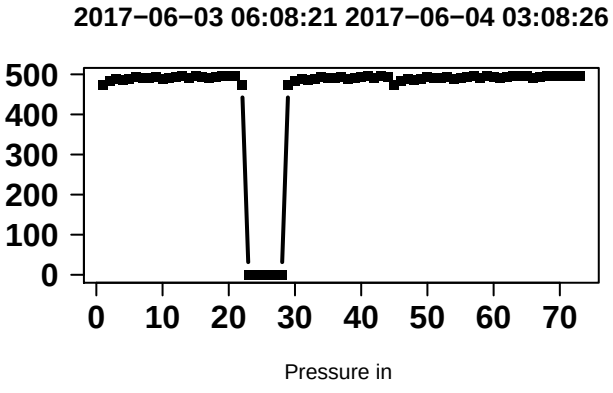

2017−06−02 21:27:42 2017−06−02 21:27:48
500
400
300
200
100
0
2
4
6
8
10
Pressure in

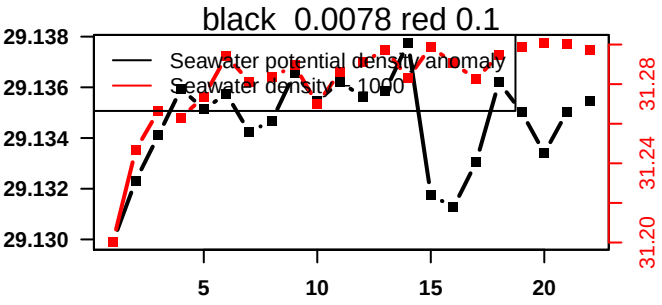

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

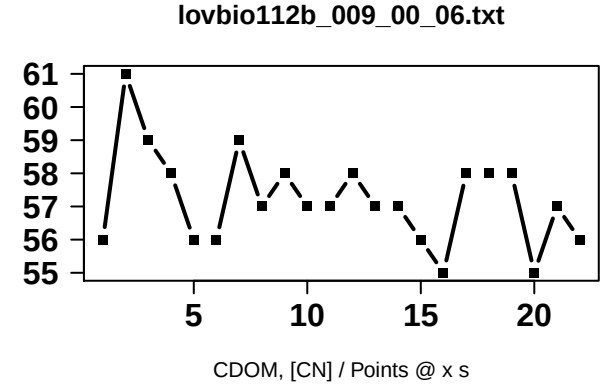

lovbio112b_008_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

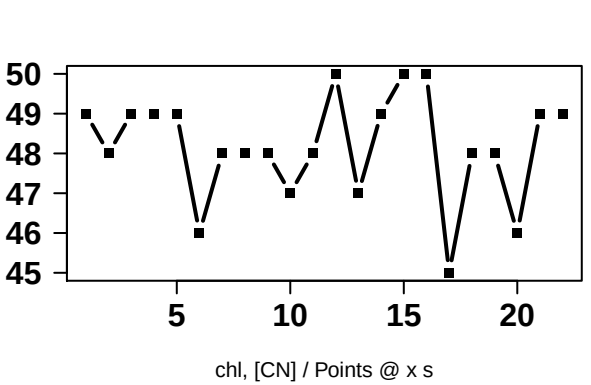

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

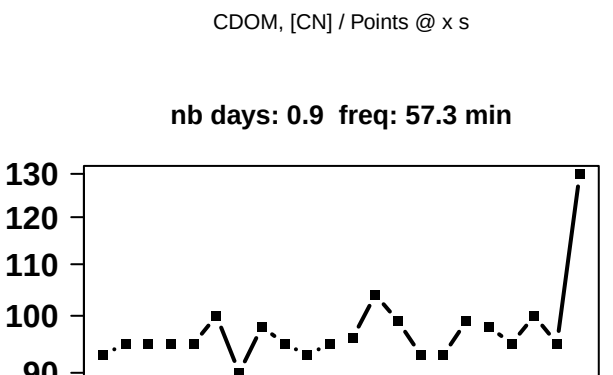

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

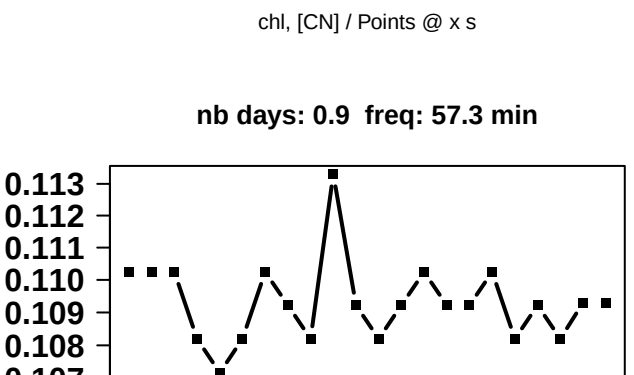

2017−06−03 06:08:21 2017−06−04 03:08:26
500
400
300
200
100
0
0 10 20 30 40 50 60 70
Pressure in

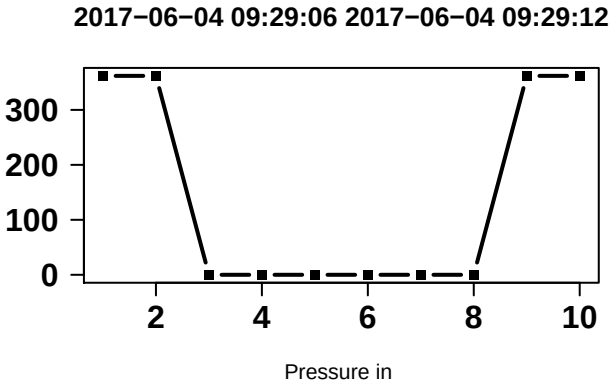

black 0.0078 red 0.1
Seawater potential density anomaly
Seawater density − 1000
29.138
29.136
29.134
29.132
29.130
31.28
31.24
31.20
5 10 15 20

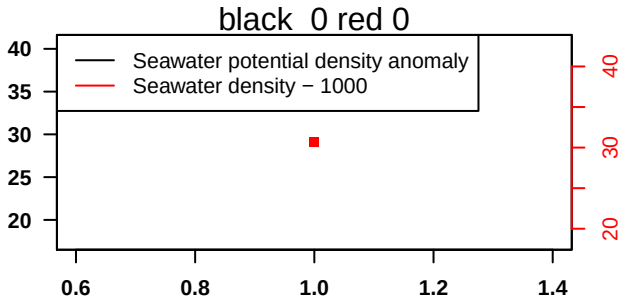

lovbio112b_009_00_06.txt
61
60
59
58
57
56
55
5 10 15 20
CDOM, [CN] / Points @ x s

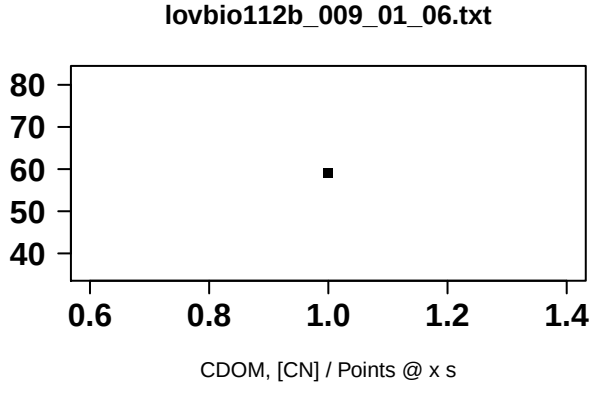

50
49
48
47
46
45
5 10 15 20
chl, [CN] / Points @ x s

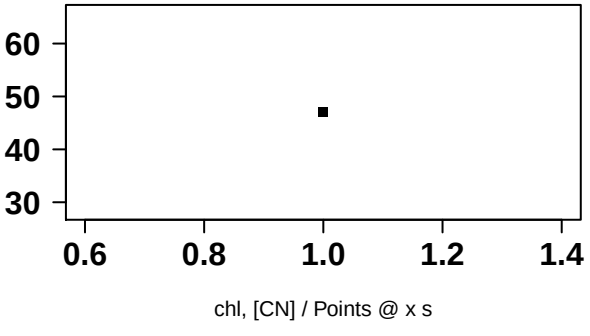

nb days: 0.9 freq: 57.3 min
130
120
110
100
90
5 10 15 20
beta, [CN] / Points @ x s

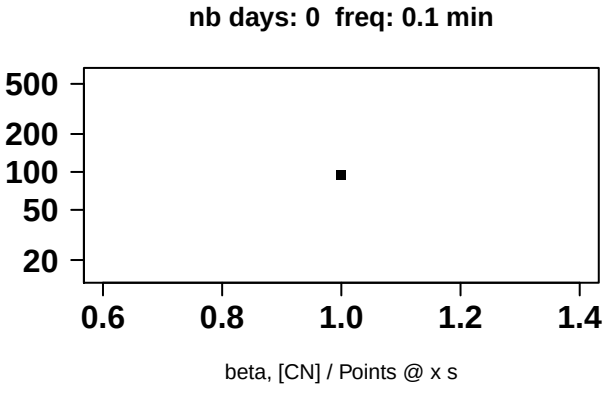

nb days: 0.9 freq: 57.3 min
0.113
0.112
0.111
0.110
0.109
0.108
0.107
5 10 15 20
c, [1/m] + 0.1 / Points @ x s

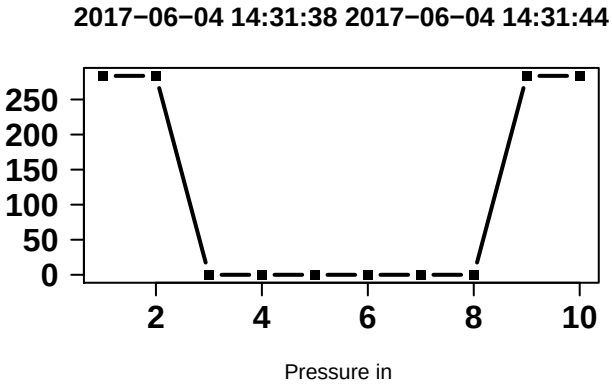

2017−06−04 09:29:06 2017−06−04 09:29:12
300
200
100
0
2
4
6
8
10
Pressure in

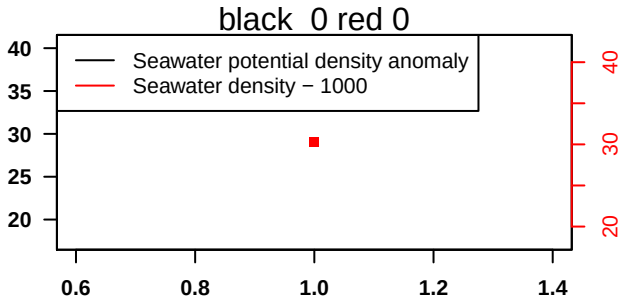

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

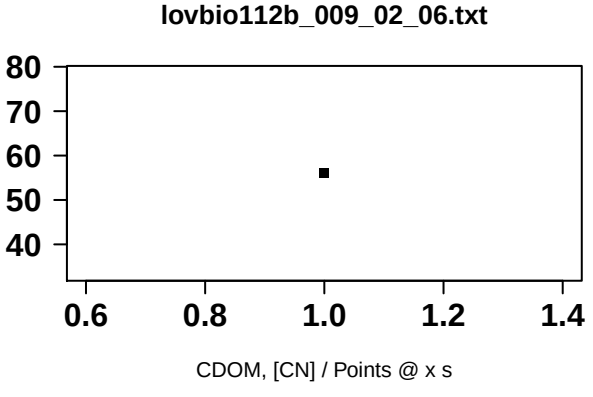

lovbio112b_009_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

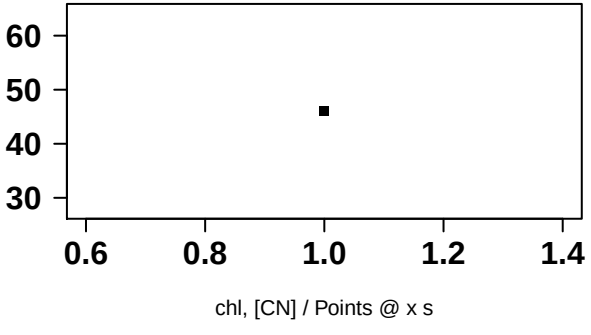

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

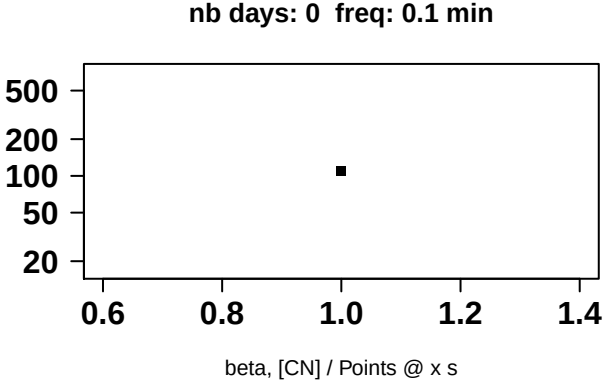

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

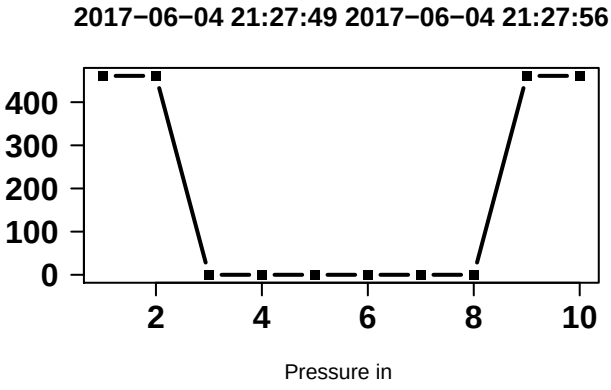

2017−06−04 14:31:38 2017−06−04 14:31:44
250
200
150
100
50
0
2
4
6
8
10
Pressure in

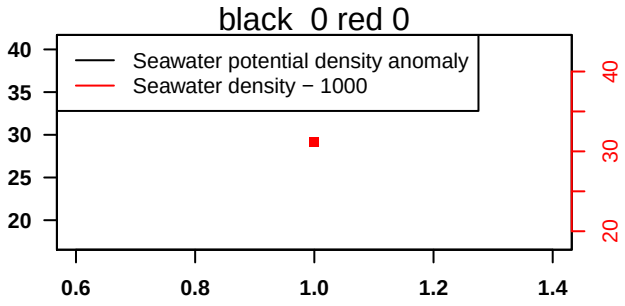

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

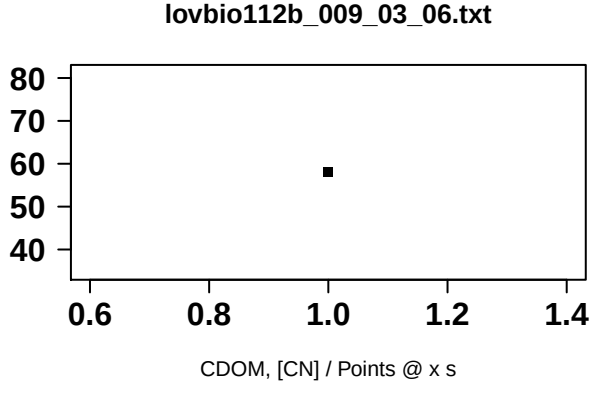

lovbio112b_009_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

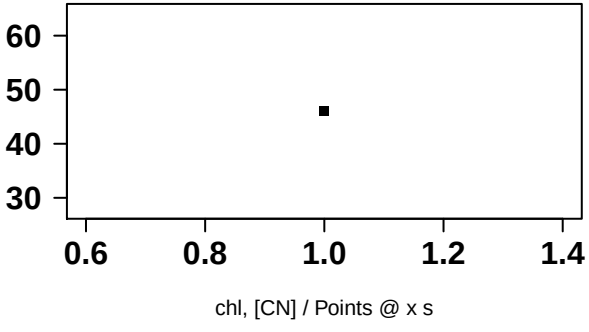

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

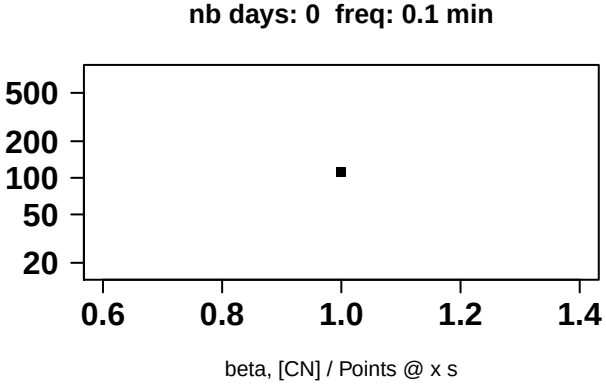

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−04 21:27:49 2017−06−04 21:27:56
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_009_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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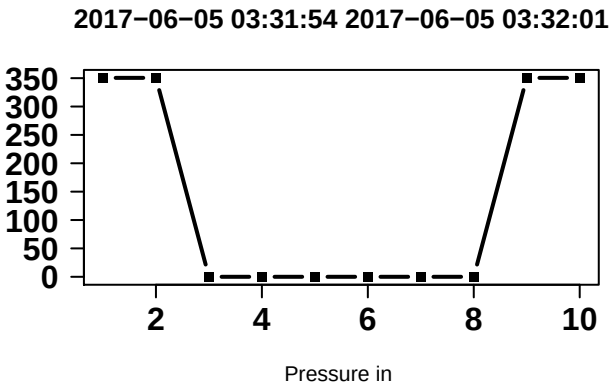
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−05 03:31:54 2017−06−05 03:32:01
350
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150
100
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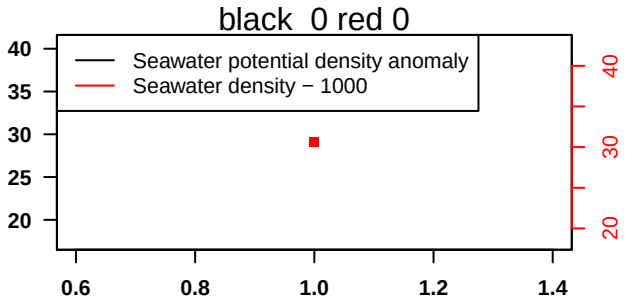
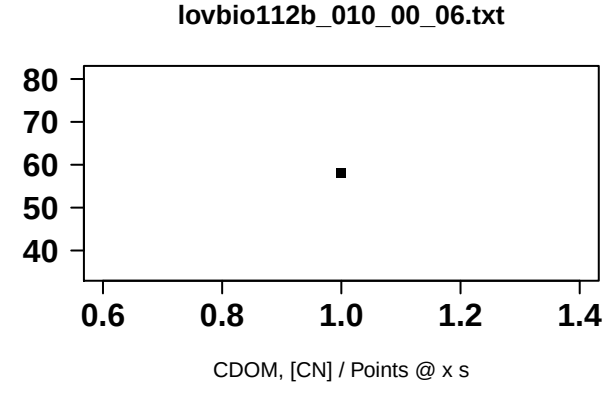
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_010_00_06.txt
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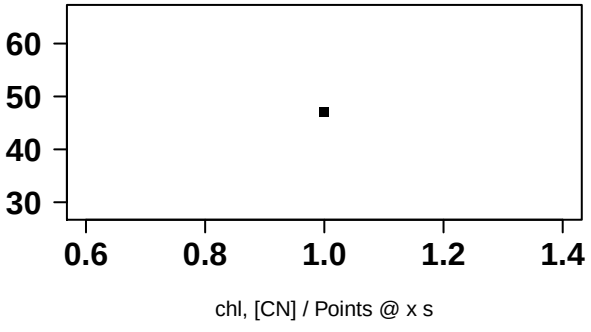
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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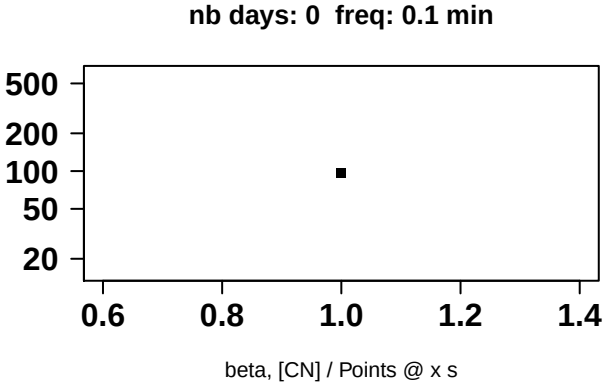
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s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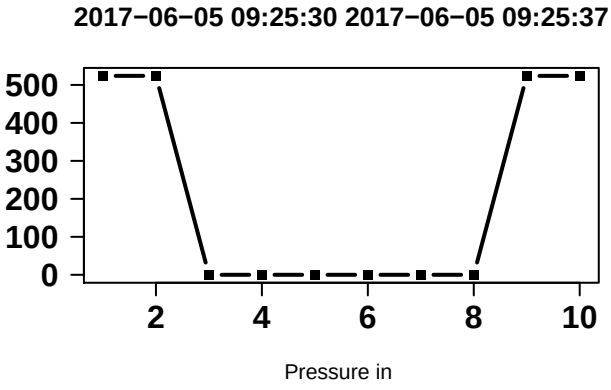
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−05 09:25:30 2017−06−05 09:25:37
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200
100
0
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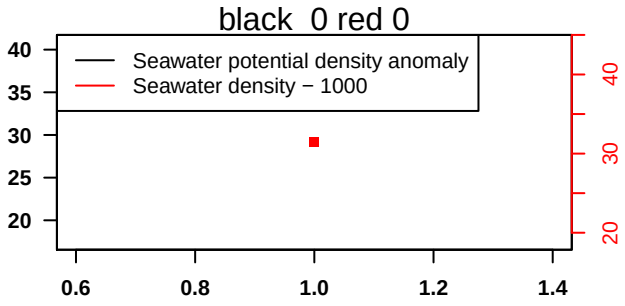
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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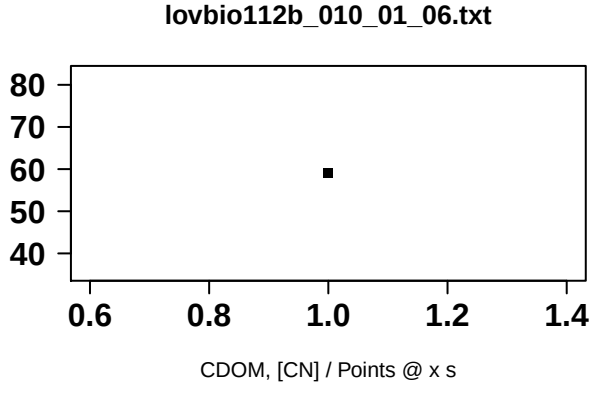
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_010_01_06.txt
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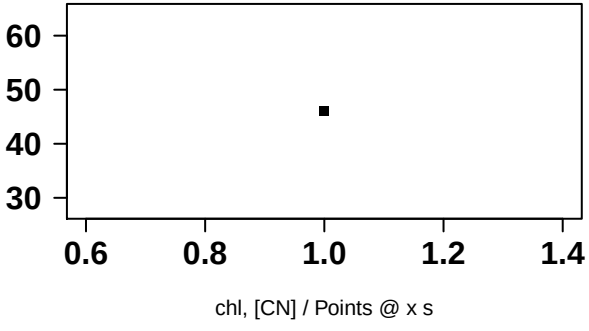
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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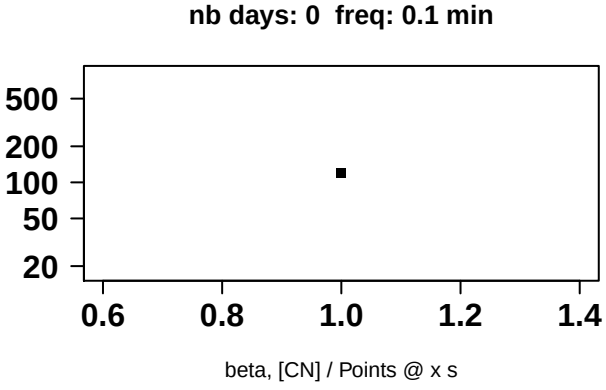
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s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200
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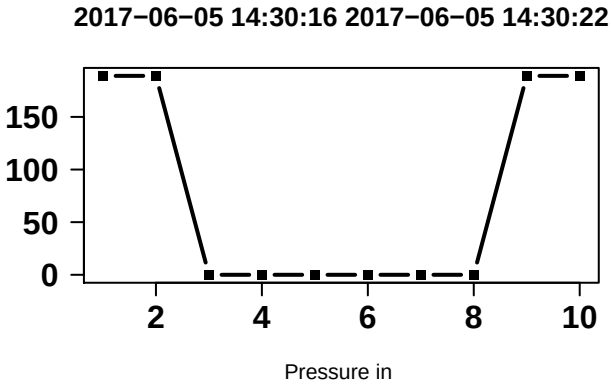
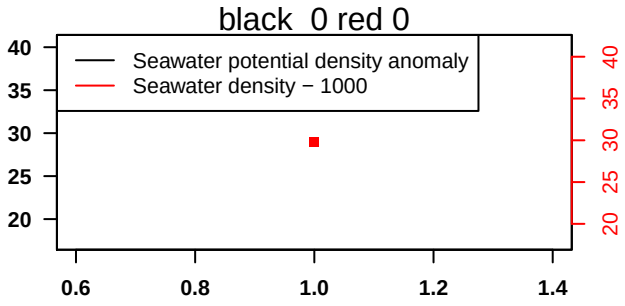
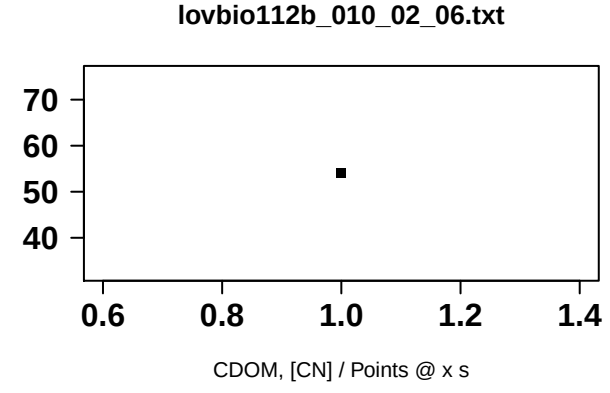
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−05 14:30:16 2017−06−05 14:30:22
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_010_02_06.txt
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60
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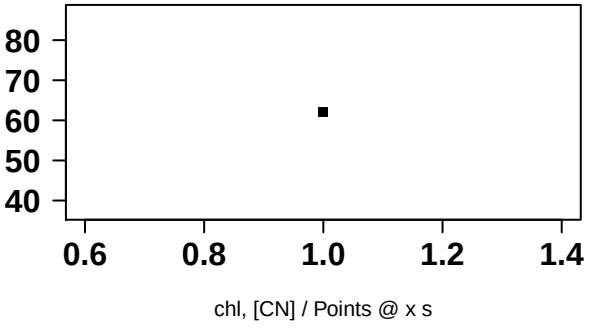
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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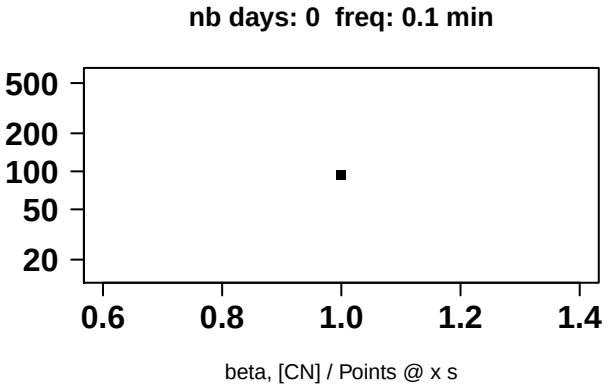
70
60
50
40
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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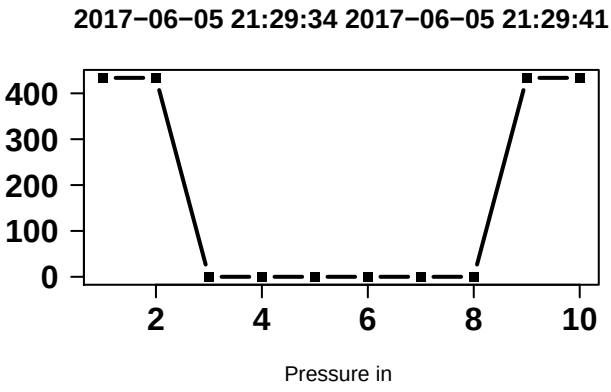
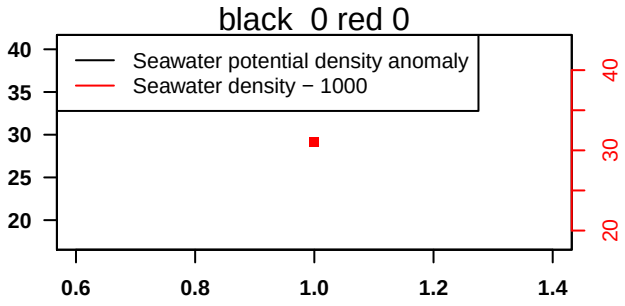
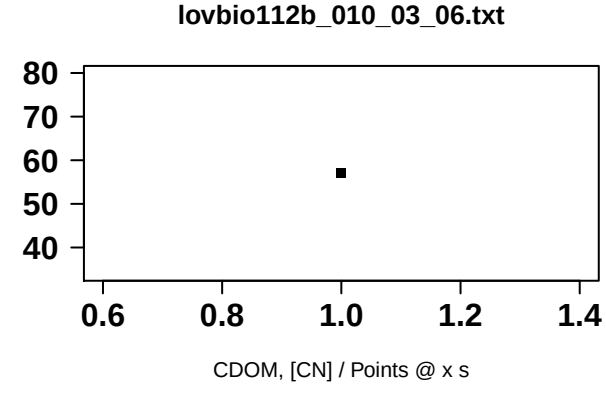
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−05 21:29:34 2017−06−05 21:29:41
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_010_03_06.txt
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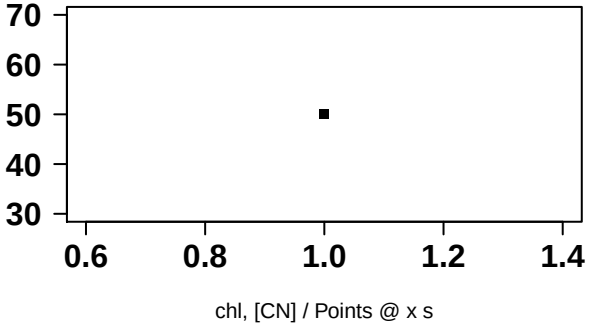
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


70
60
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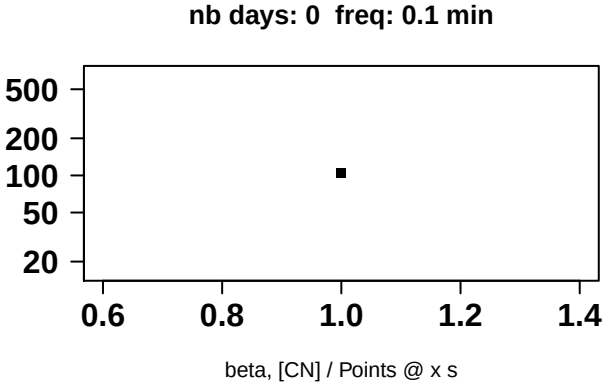
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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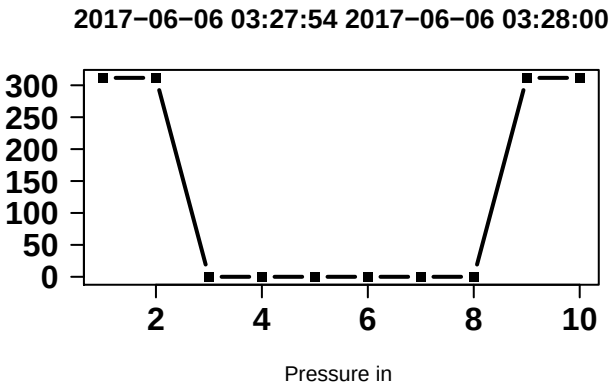
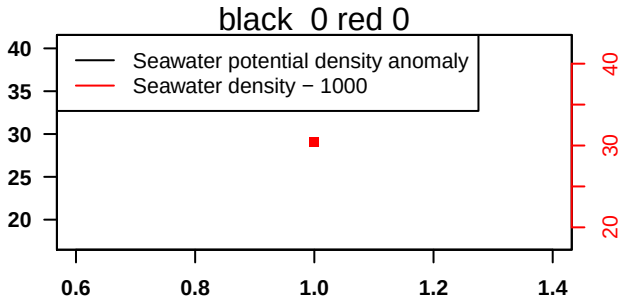
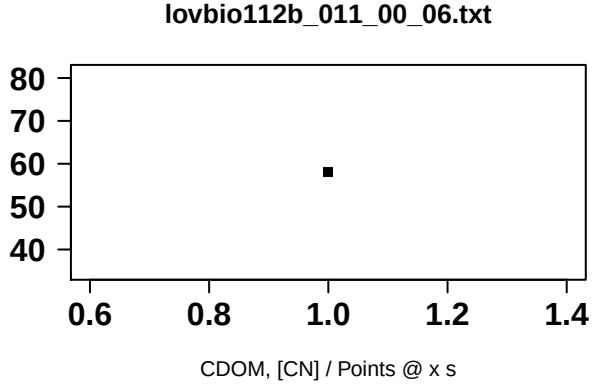
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−06 03:27:54 2017−06−06 03:28:00
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_011_00_06.txt
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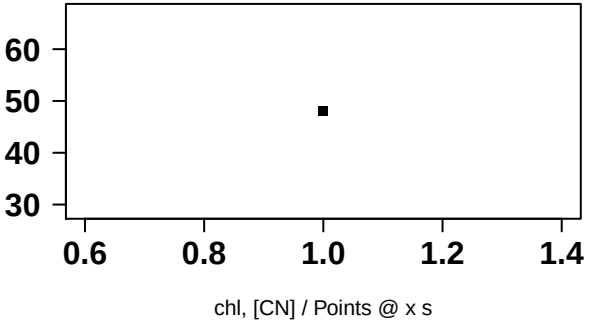
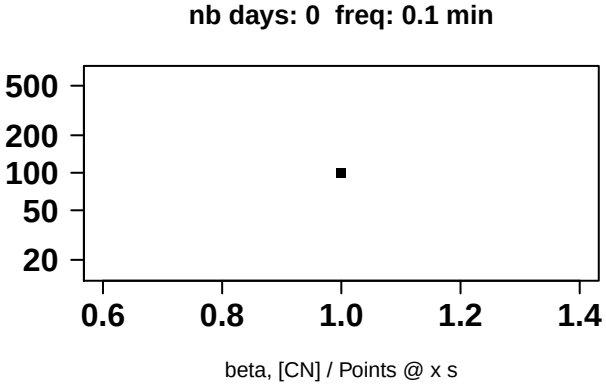
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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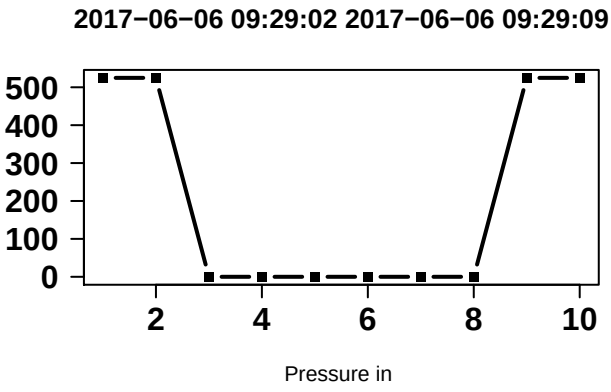
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−06 09:29:02 2017−06−06 09:29:09
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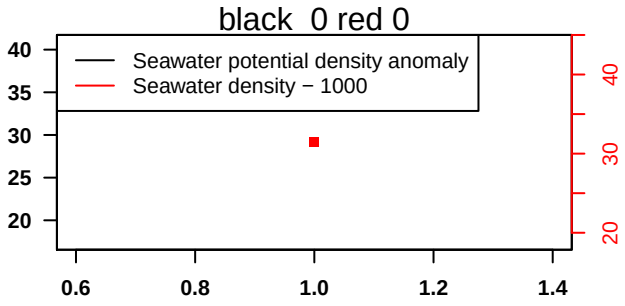
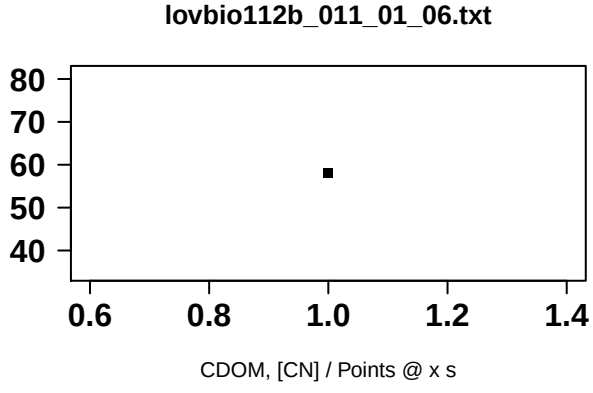
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_011_01_06.txt
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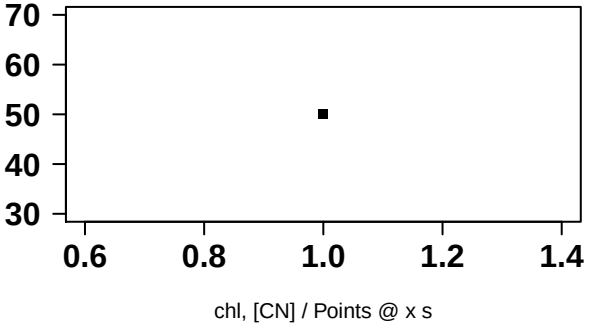
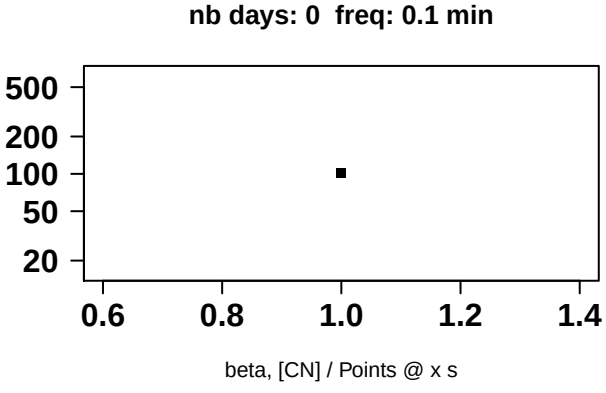
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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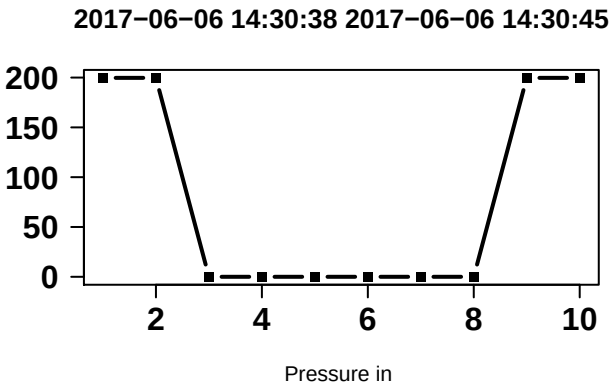
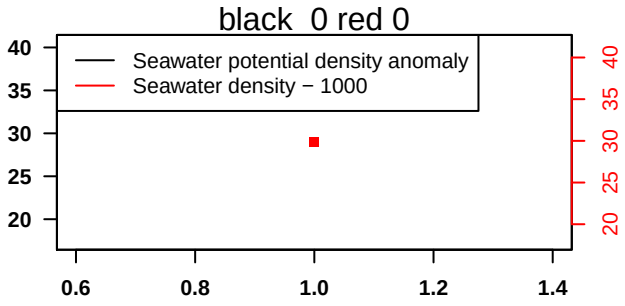
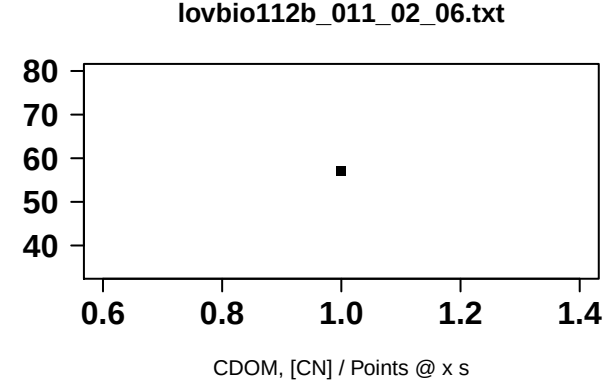
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−06 14:30:38 2017−06−06 14:30:45
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_011_02_06.txt
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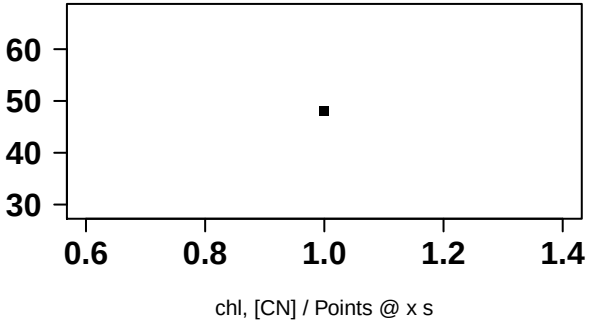
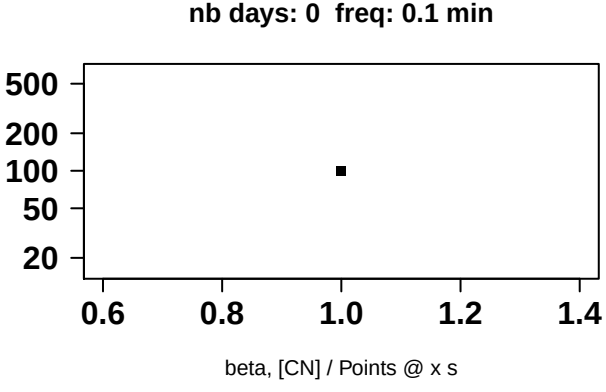
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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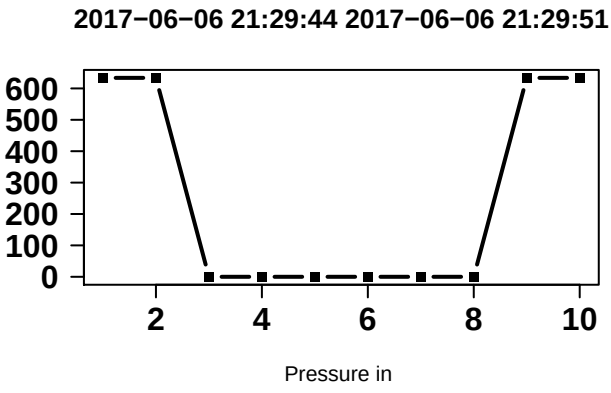
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−06 21:29:44 2017−06−06 21:29:51
600
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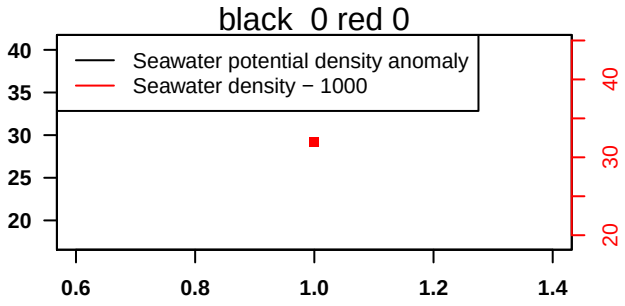
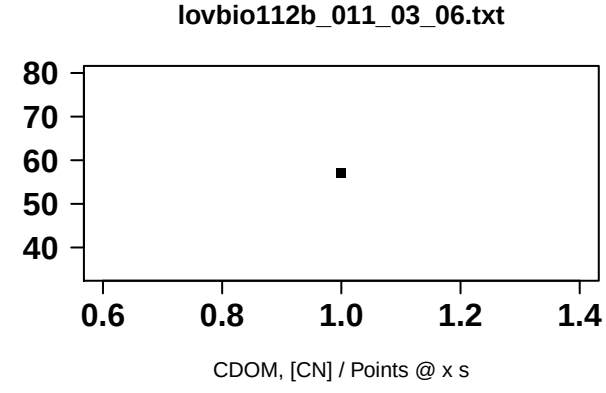
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_011_03_06.txt
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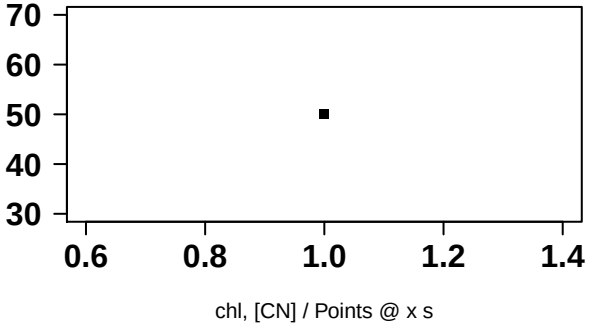
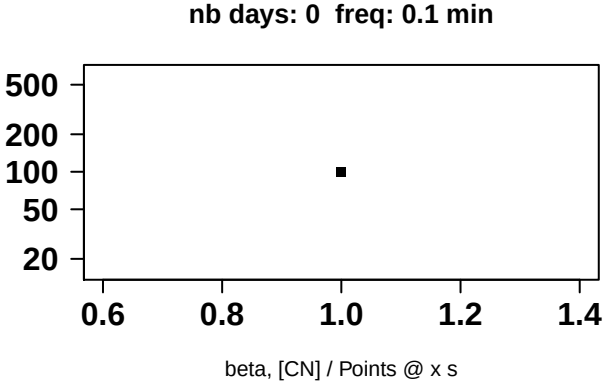
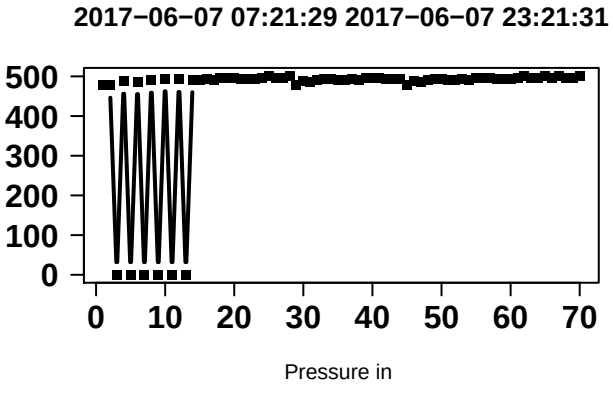
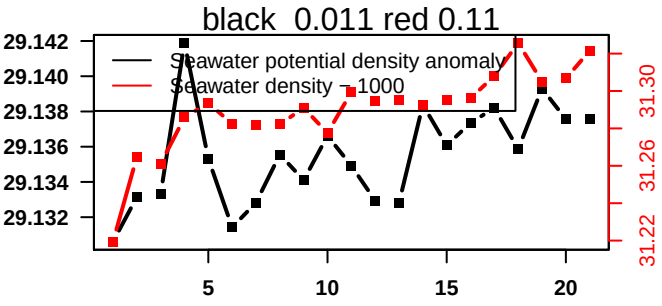
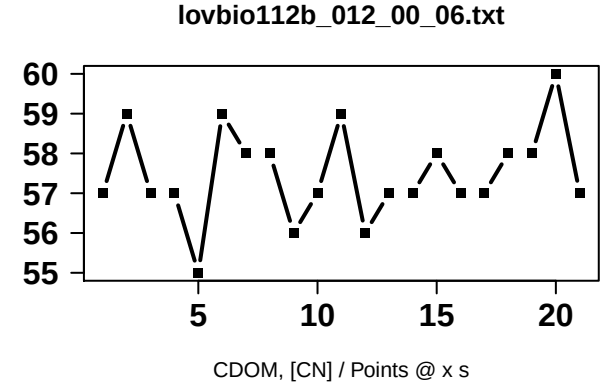
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

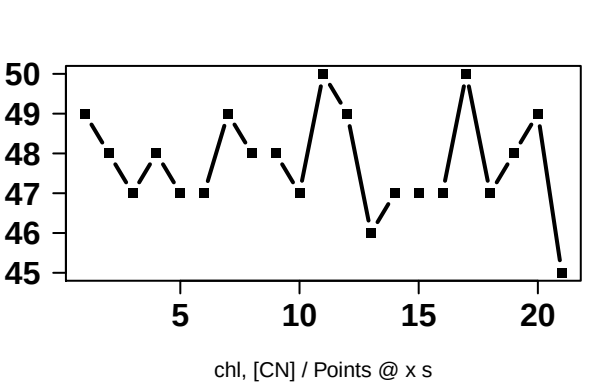

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

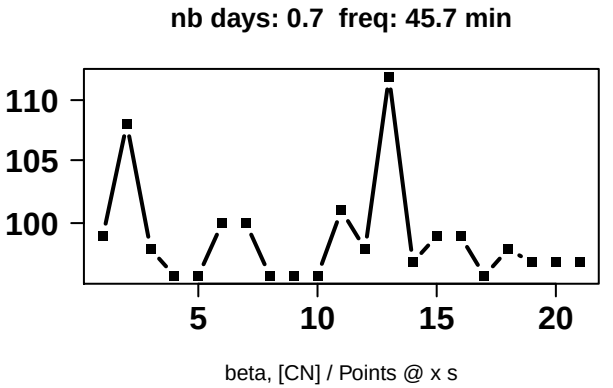

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

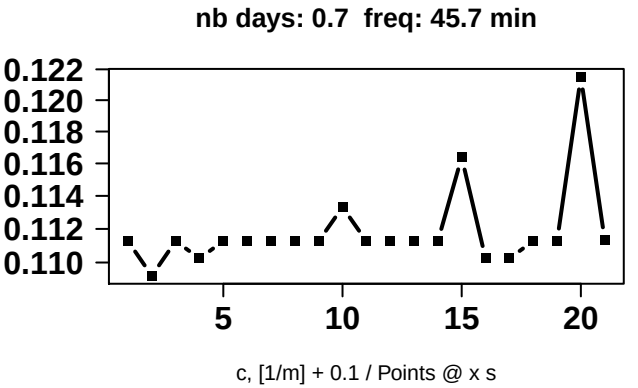

2017−06−07 07:21:29 2017−06−07 23:21:31
500
400
300
200
100
0
0 10 20 30 40 50 60 70
Pressure in

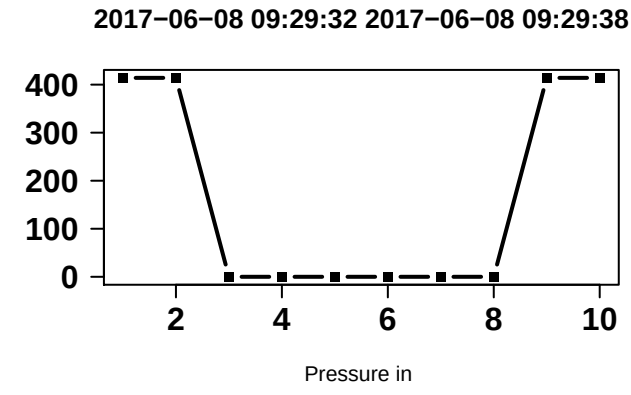

black 0.011 red 0.11
Seawater potential density anomaly
Seawater density − 1000
29.142
29.140
29.138
29.136
29.134
29.132
31.30
31.26
31.22
5 10 15 20

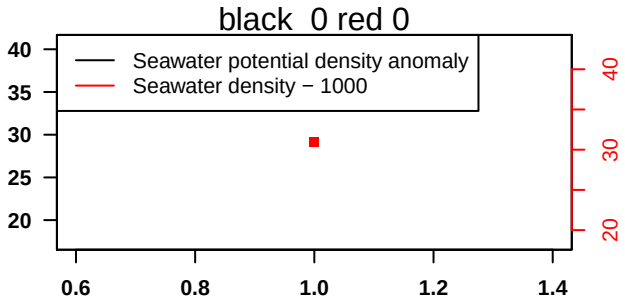

lovbio112b_012_00_06.txt
60
59
58
57
56
55
5 10 15 20
CDOM, [CN] / Points @ x s

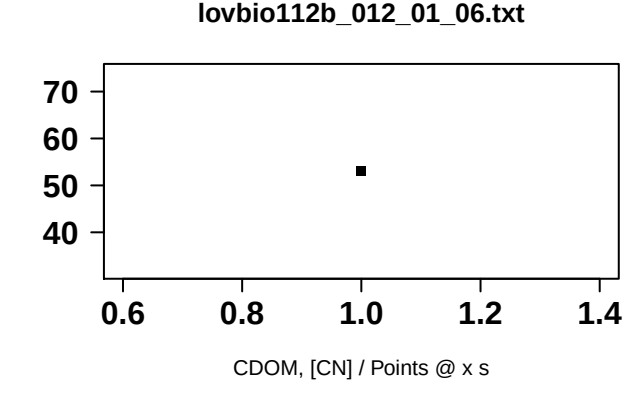

50
49
48
47
46
45
5 10 15 20
chl, [CN] / Points @ x s

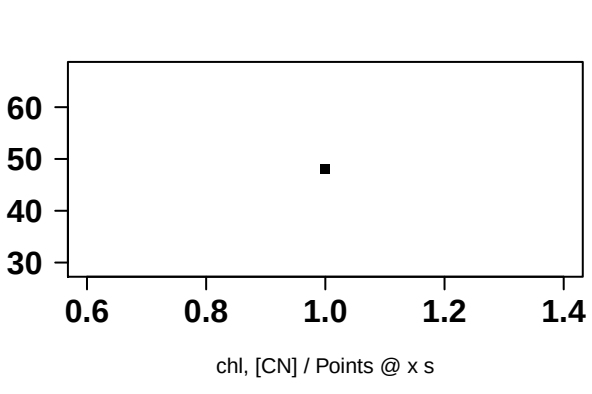

nb days: 0.7 freq: 45.7 min
110
105
100
5 10 15 20
beta, [CN] / Points @ x s

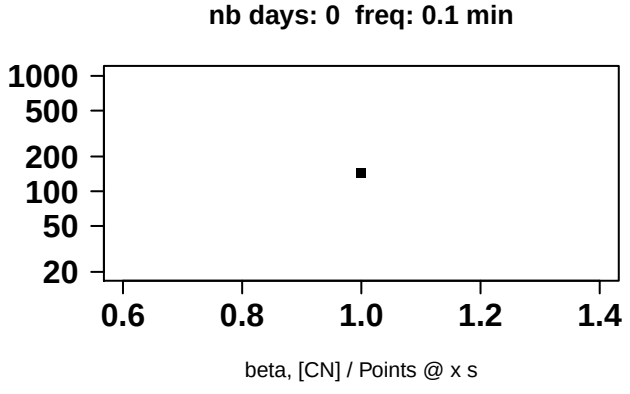

nb days: 0.7 freq: 45.7 min
0.122
0.120
0.118
0.116
0.114
0.112
0.110
5 10 15 20
c, [1/m] + 0.1 / Points @ x s

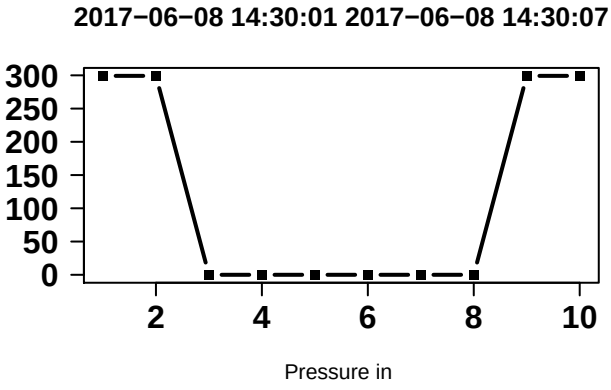

2017−06−08 09:29:32 2017−06−08 09:29:38
400
300
200
100
0
2
4
6
8
10
Pressure in

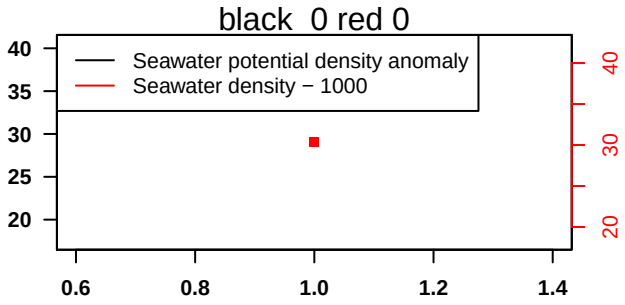

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

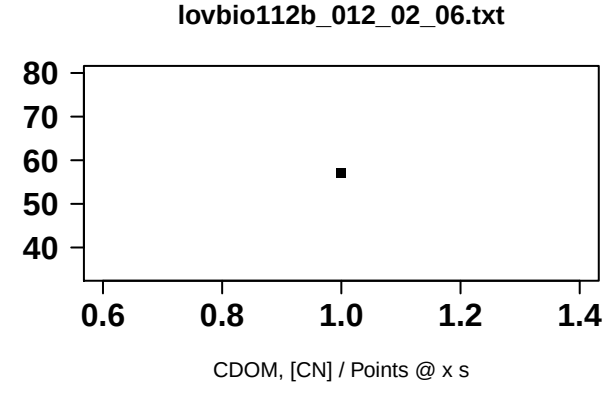

lovbio112b_012_01_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

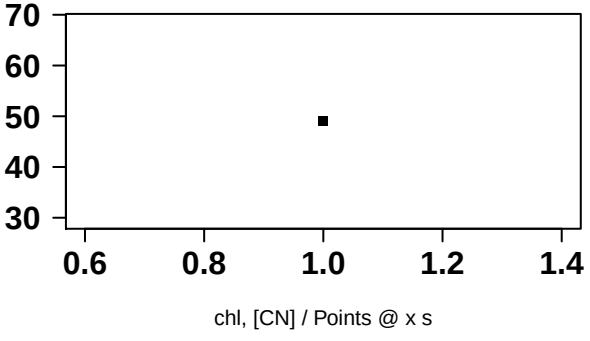

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

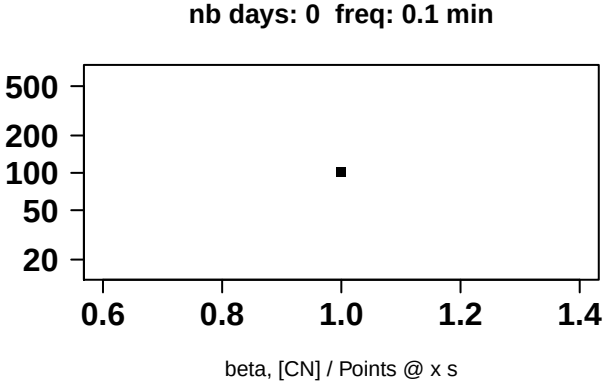

nb days: 0 freq: 0.1 min
1000
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

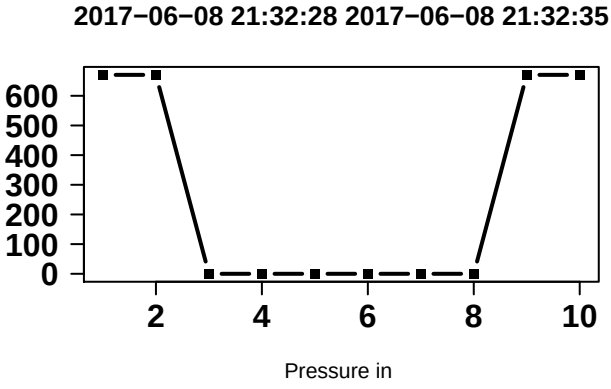

2017−06−08 14:30:01 2017−06−08 14:30:07
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

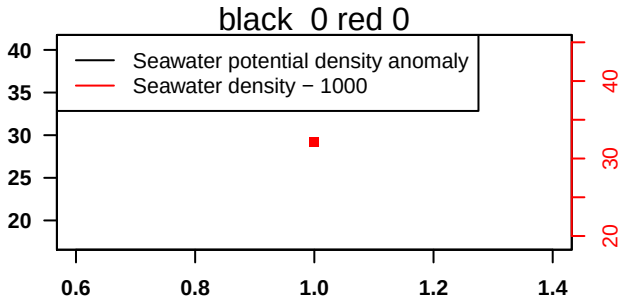

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

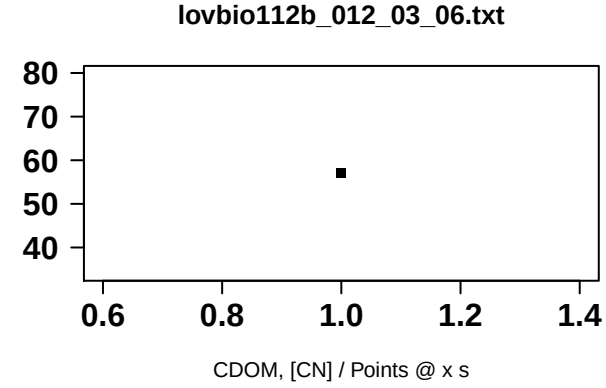

lovbio112b_012_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

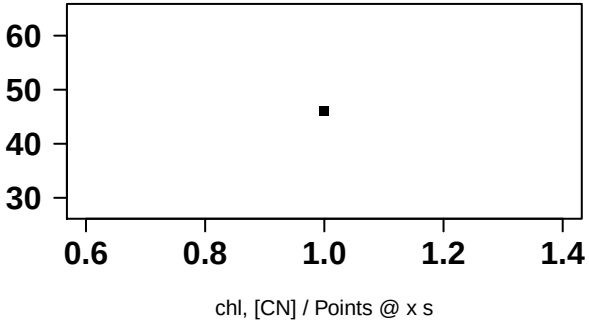

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

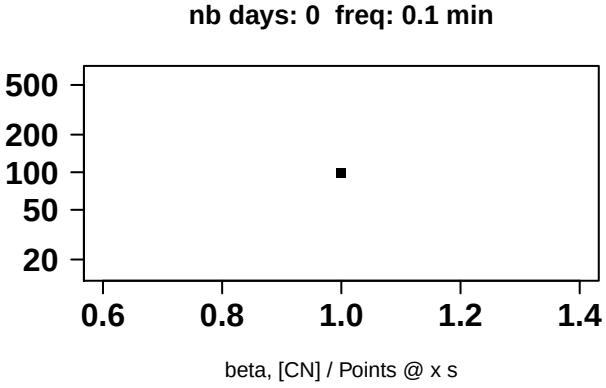

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

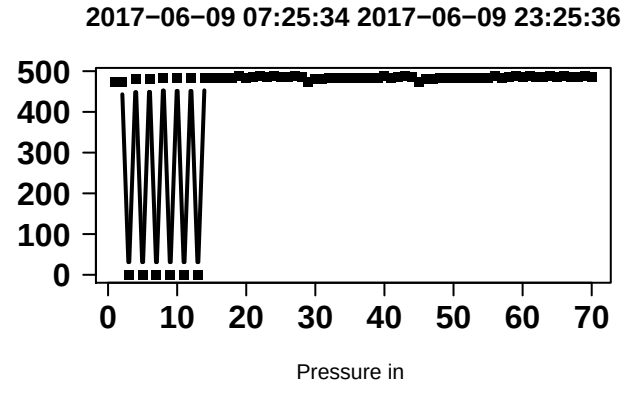

2017−06−08 21:32:28 2017−06−08 21:32:35
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in

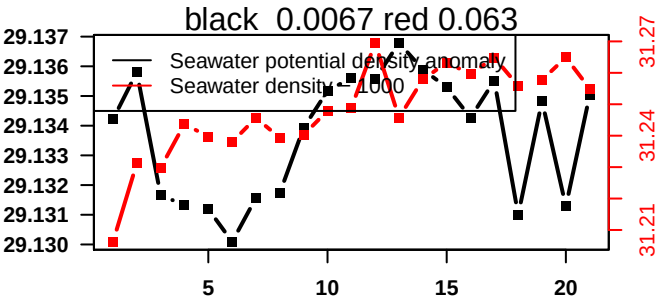

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

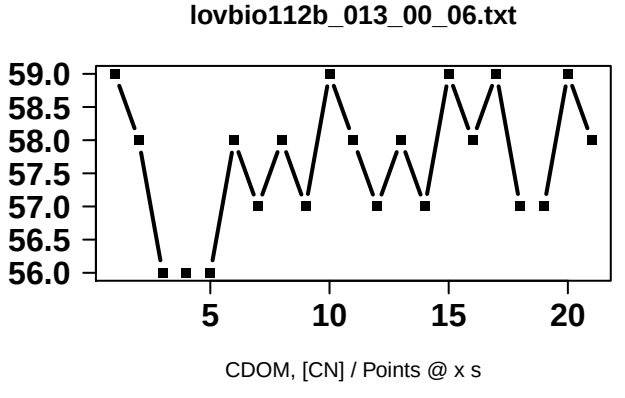

lovbio112b_012_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

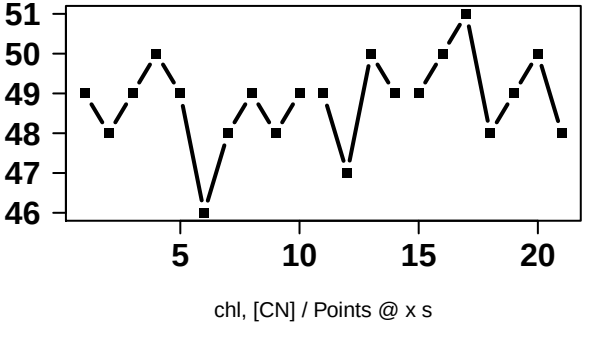

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

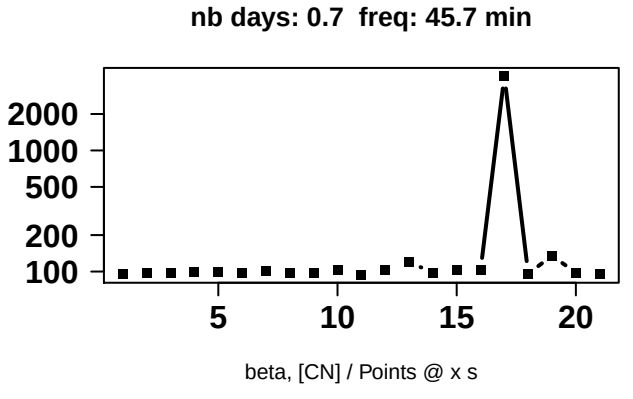

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

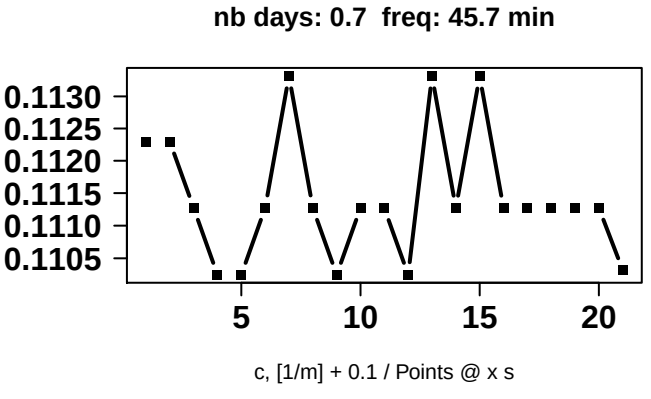

2017−06−09 07:25:34 2017−06−09 23:25:36
Pressure in

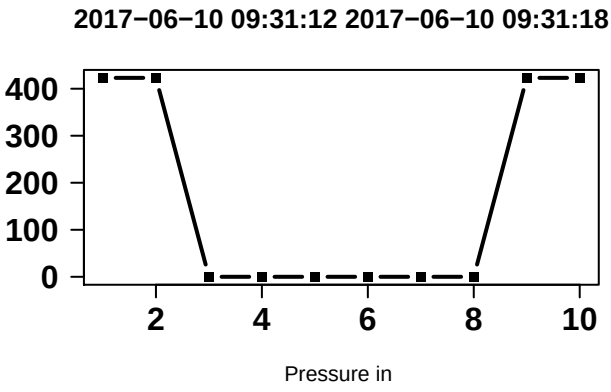

black 0.0067 red 0.063
Seawater potential density anomaly
Seawater density − 1000

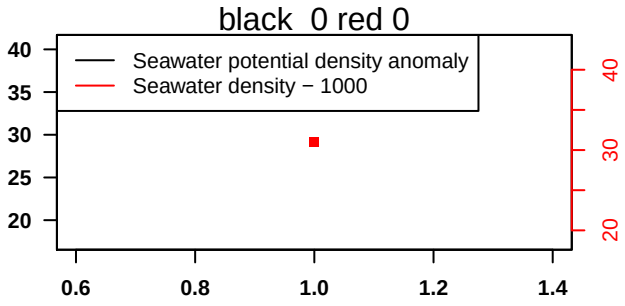

lovbio112b_013_00_06.txt
CDOM, [CN] / Points @ x s

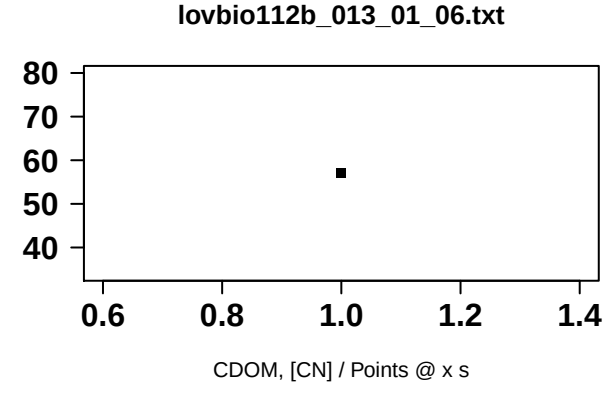

chl, [CN] / Points @ x s

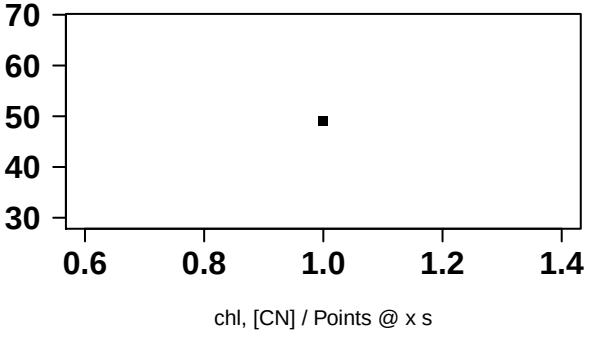

nb days: 0.7 freq: 45.7 min
beta, [CN] / Points @ x s

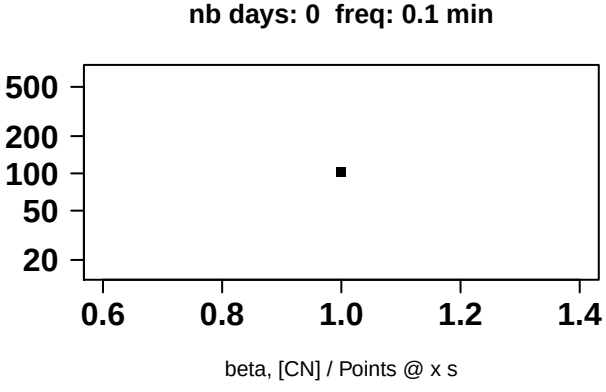

nb days: 0.7 freq: 45.7 min
c, [1/m] + 0.1 / Points @ x s

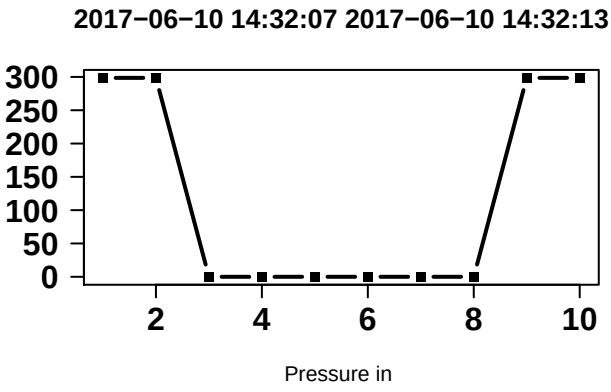

2017−06−10 09:31:12 2017−06−10 09:31:18
400
300
200
100
0
2
4
6
8
10
Pressure in

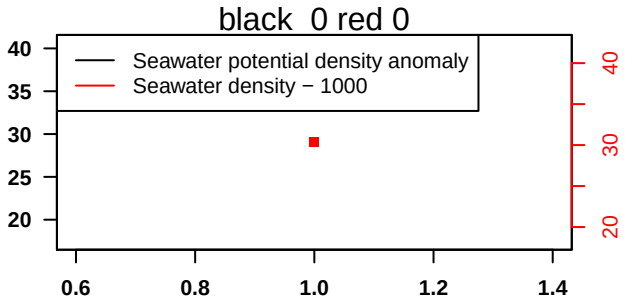

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

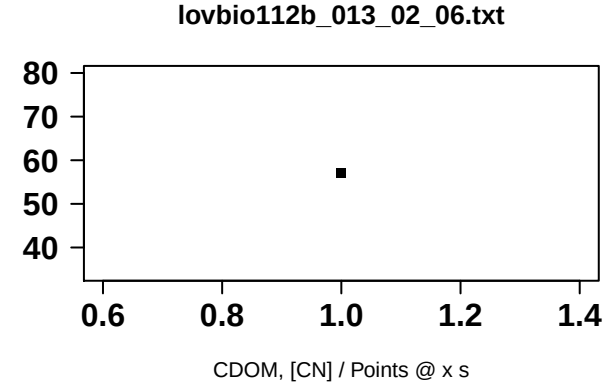

lovbio112b_013_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

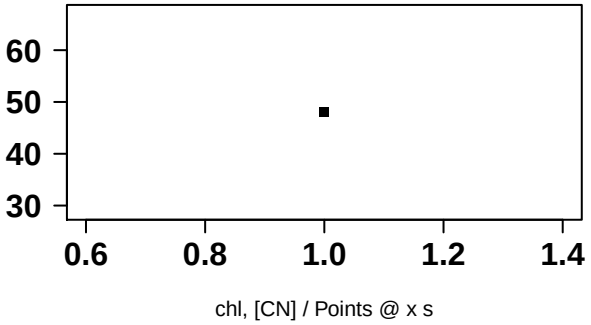

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

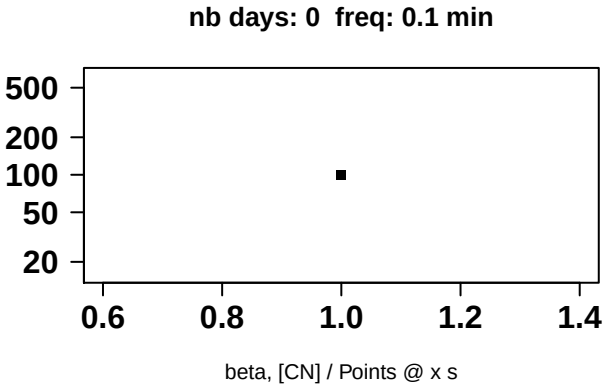

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

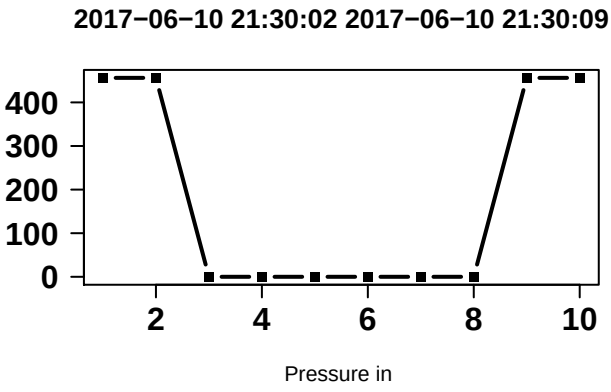

2017−06−10 14:32:07 2017−06−10 14:32:13
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

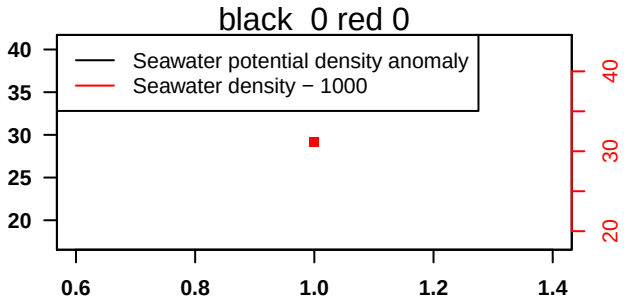

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

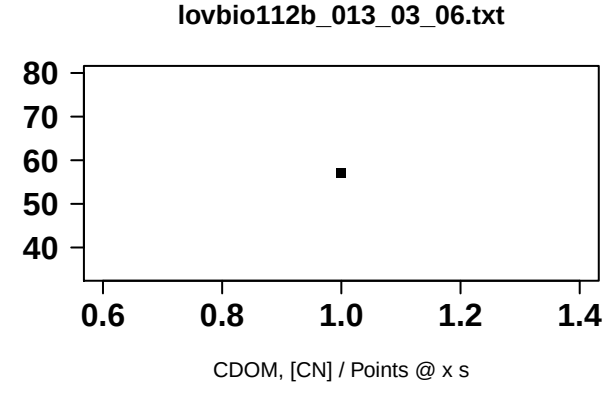

lovbio112b_013_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

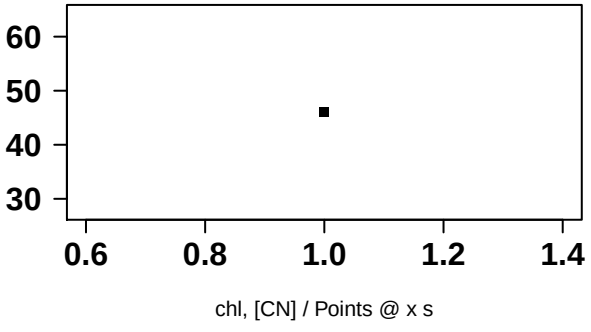

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

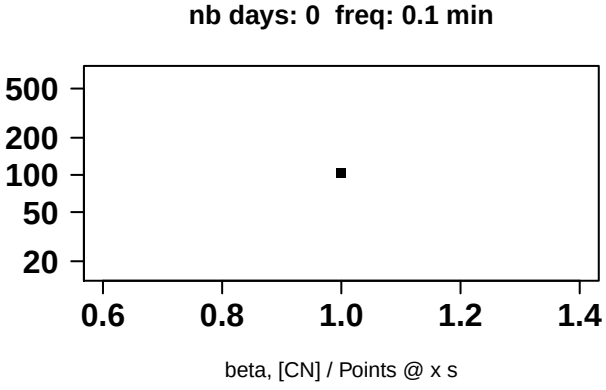

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−10 21:30:02 2017−06−10 21:30:09
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_013_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
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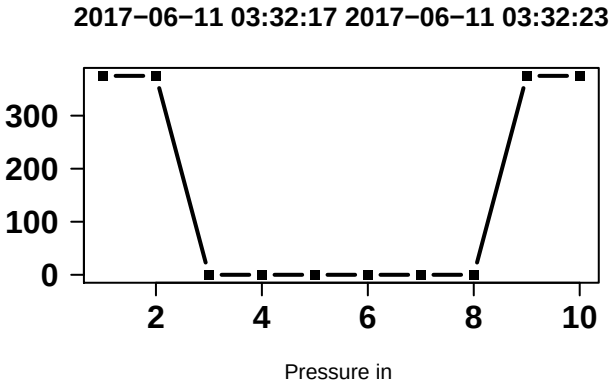
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−11 03:32:17 2017−06−11 03:32:23
300
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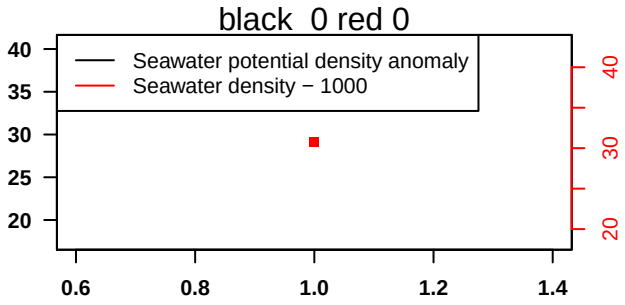
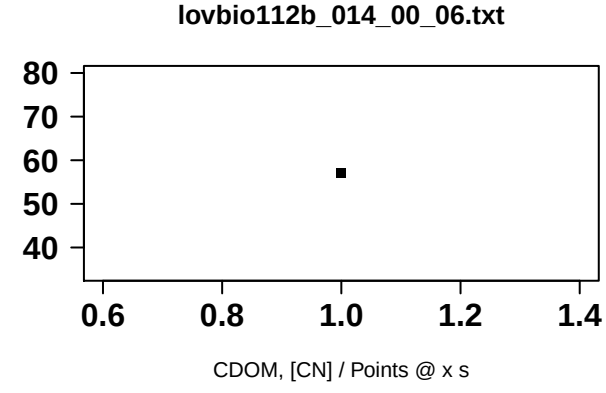
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_014_00_06.txt
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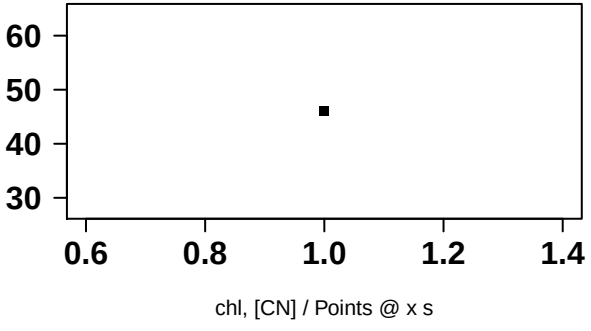
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
50
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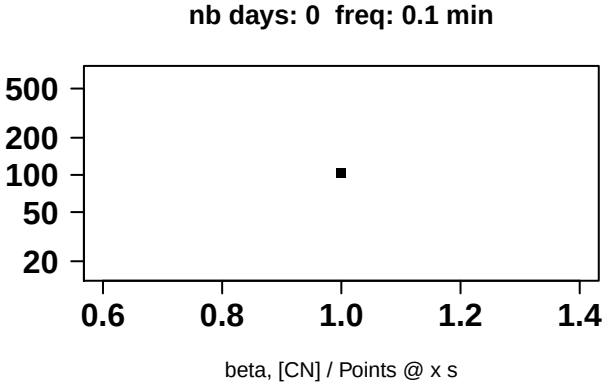
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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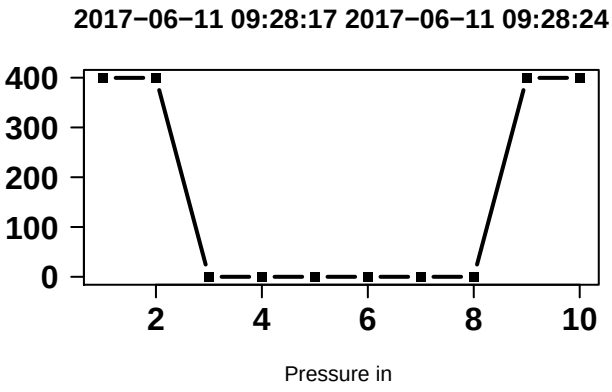
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−11 09:28:17 2017−06−11 09:28:24
400
300
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100
0
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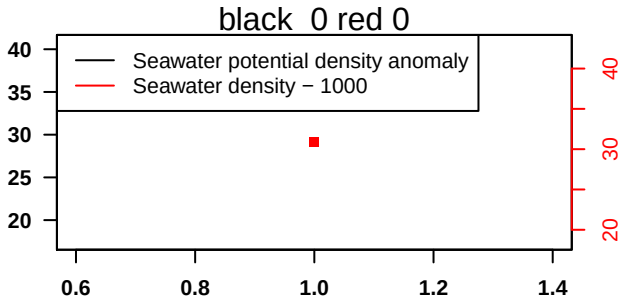
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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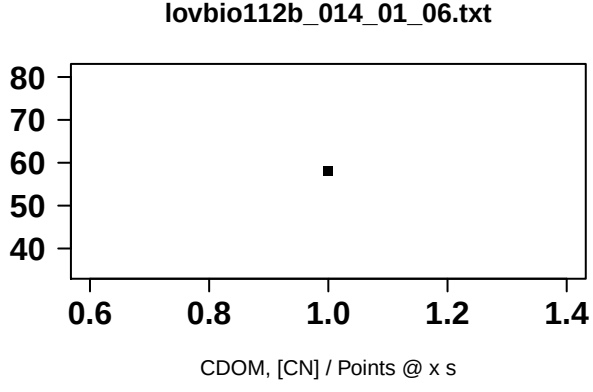
40
30
20


lovbio112b_014_01_06.txt
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70
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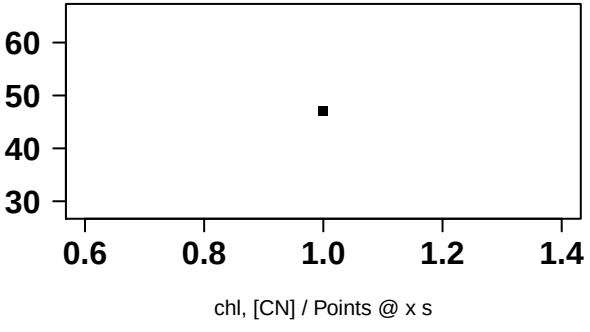
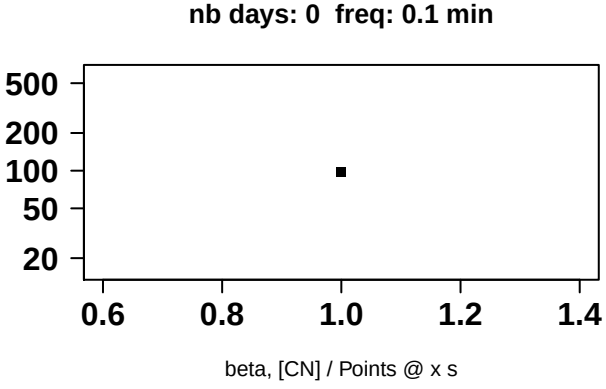
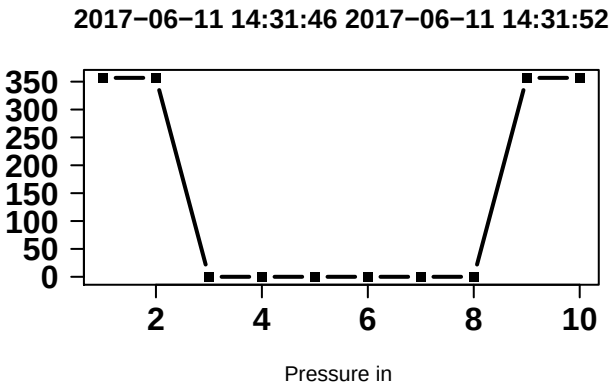
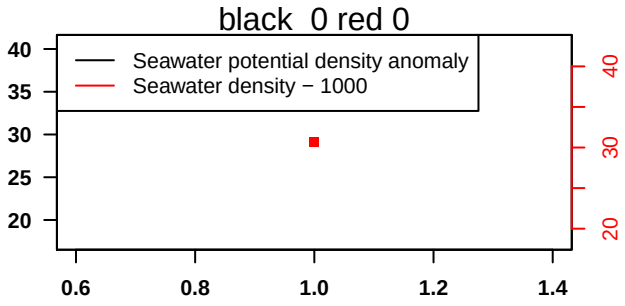
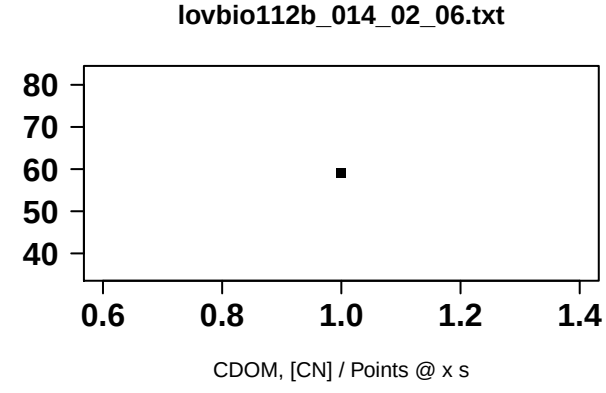
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

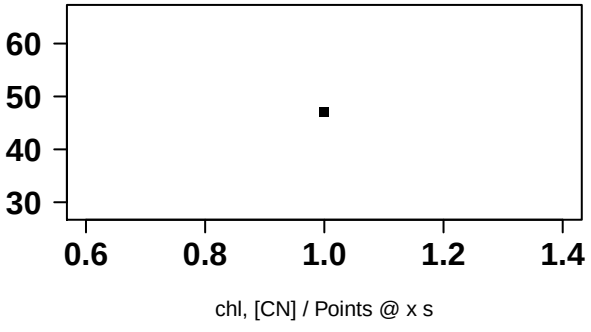

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

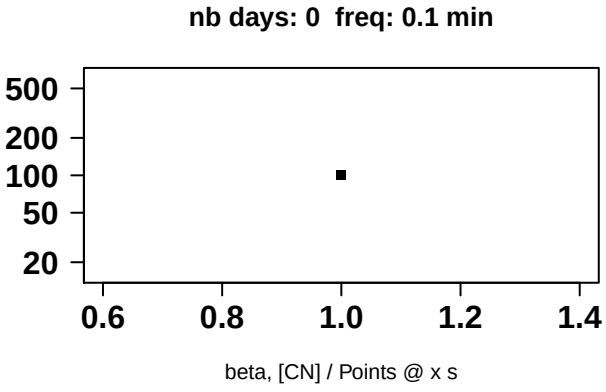

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

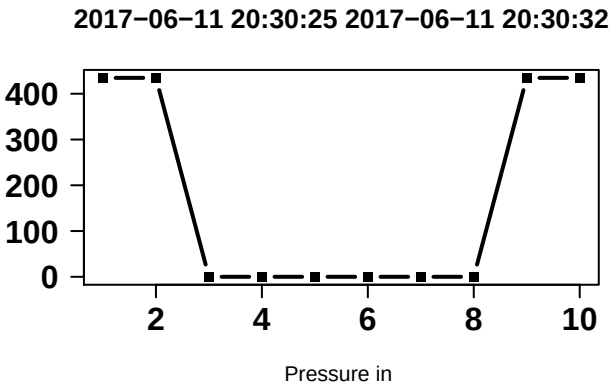

2017−06−11 14:31:46 2017−06−11 14:31:52
350
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

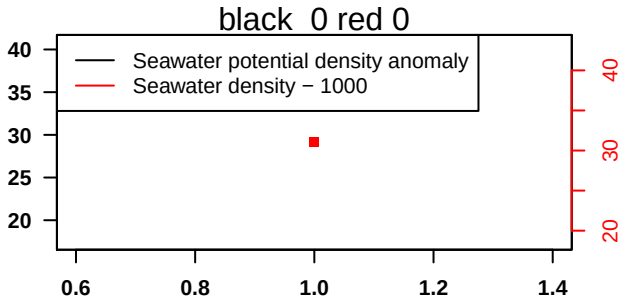

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

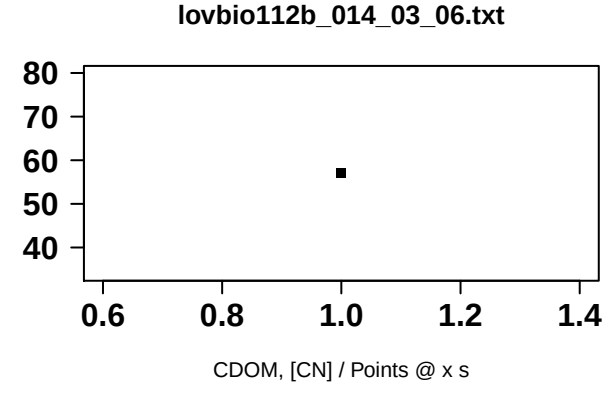

lovbio112b_014_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−06−11 20:30:25 2017−06−11 20:30:32
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_014_03_06.txt
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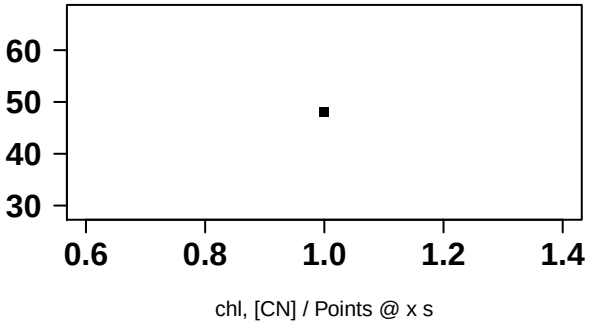
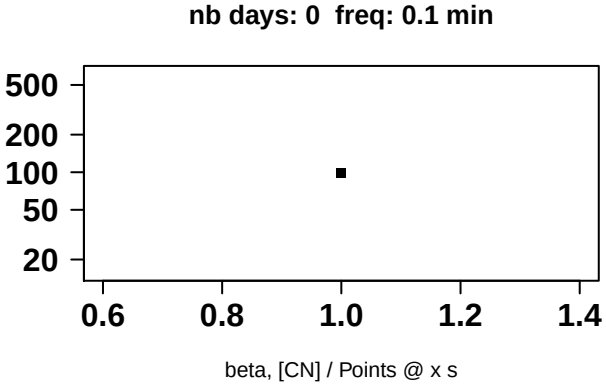
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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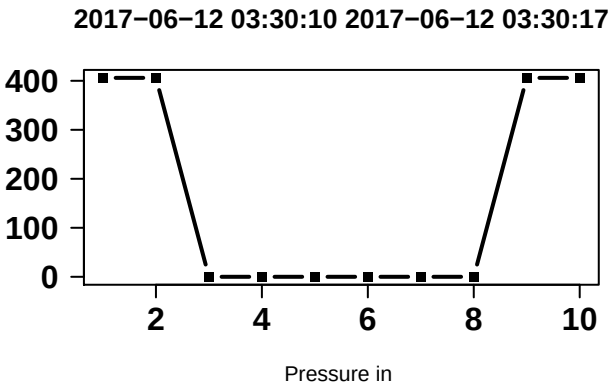
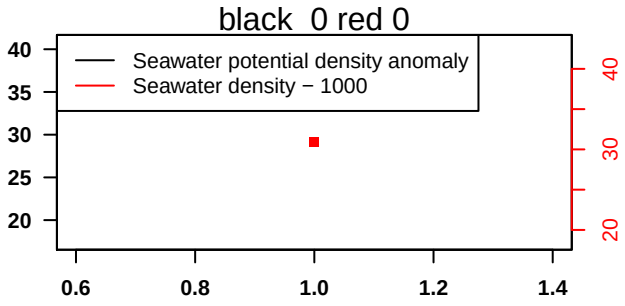
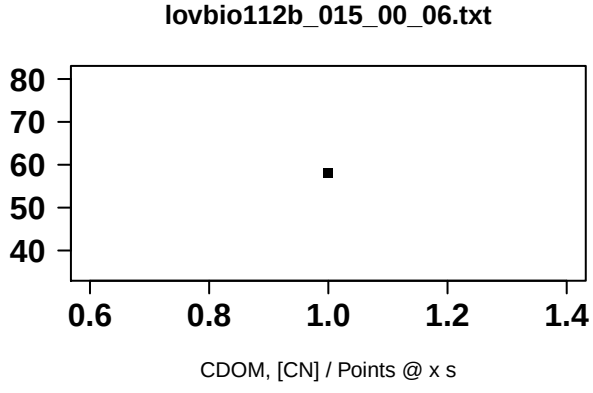
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−12 03:30:10 2017−06−12 03:30:17
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_015_00_06.txt
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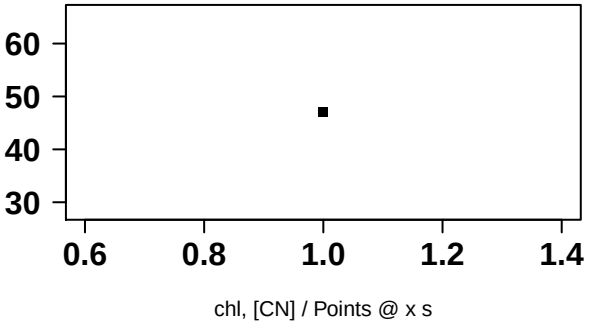
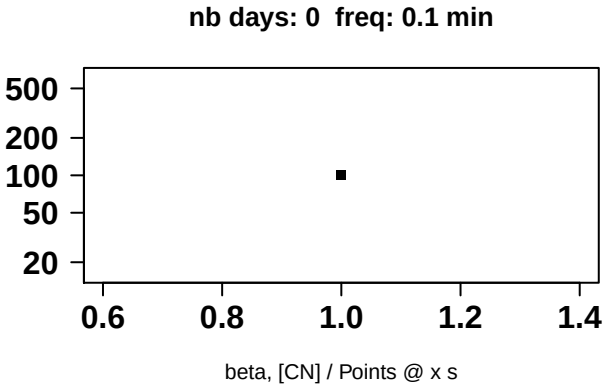
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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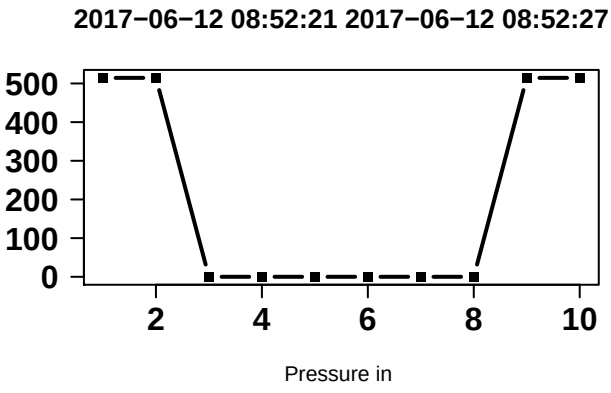
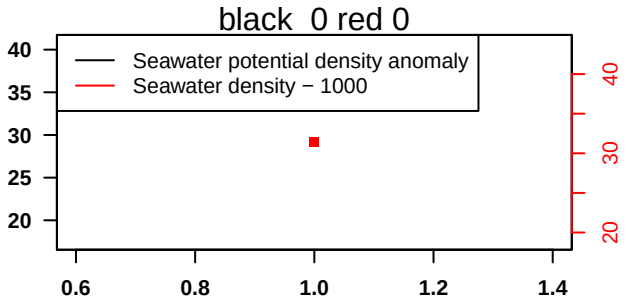
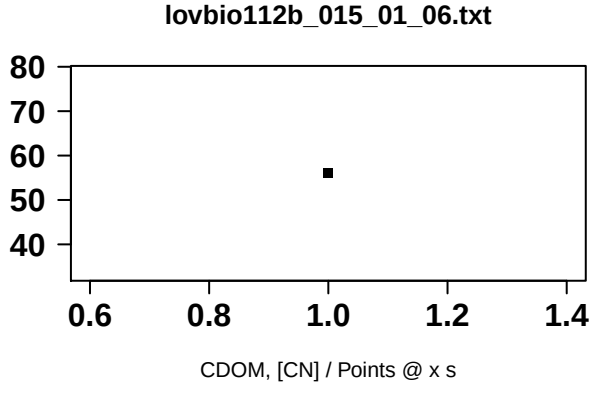
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−12 08:52:21 2017−06−12 08:52:27
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_015_01_06.txt
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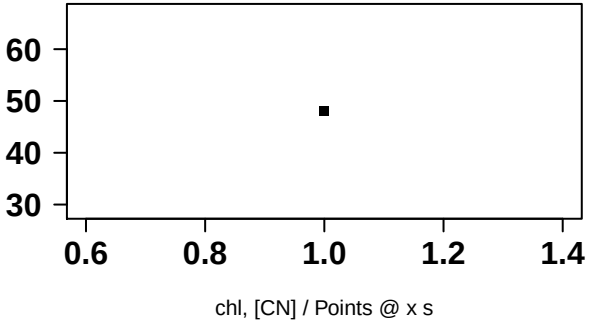
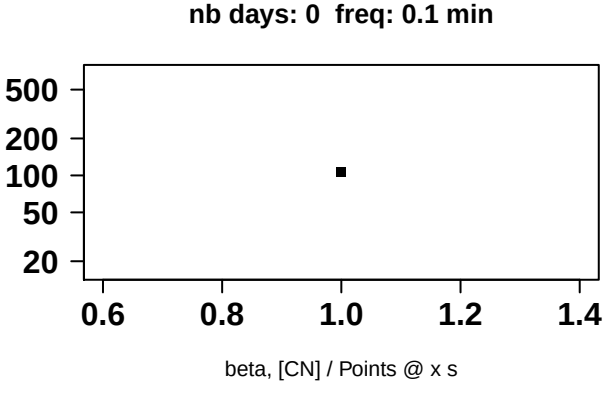
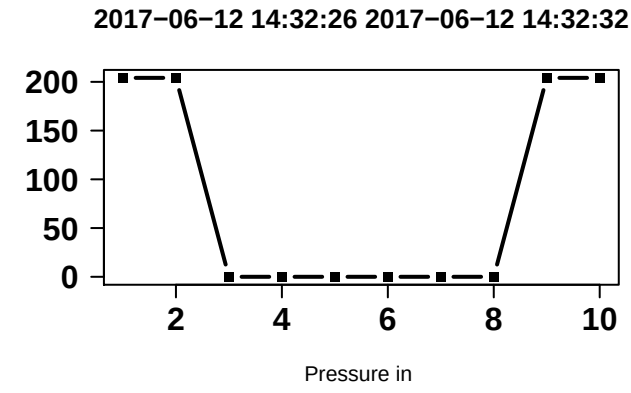
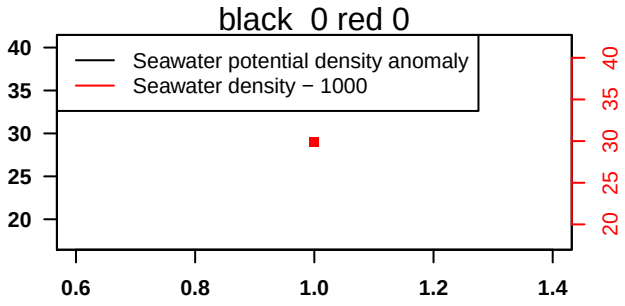
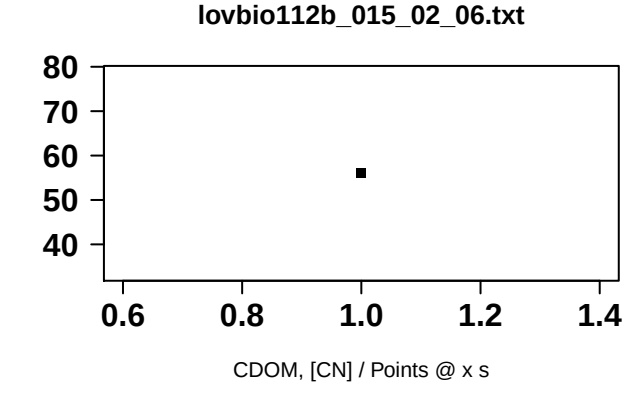
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

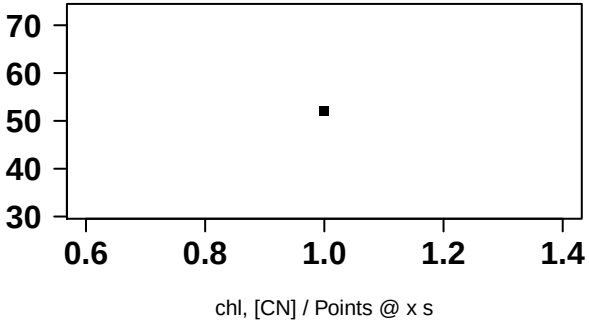

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

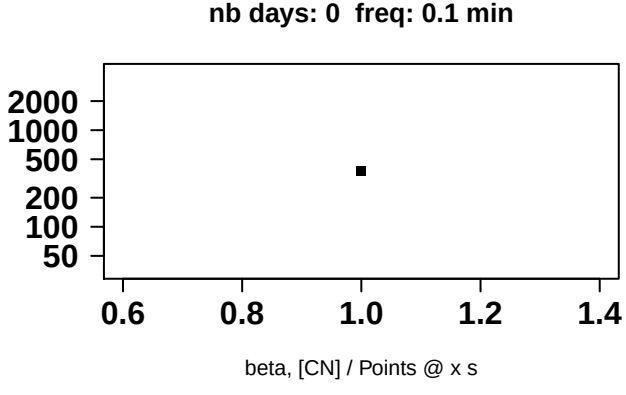

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

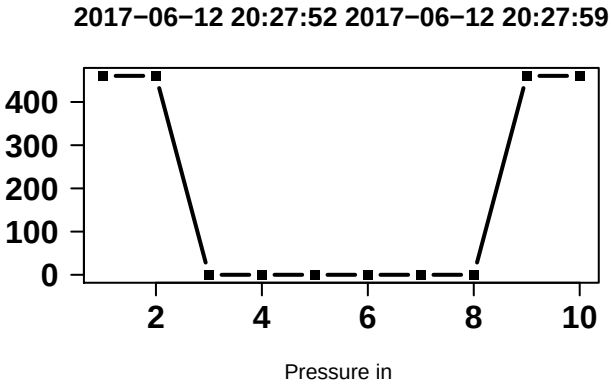

2017−06−12 14:32:26 2017−06−12 14:32:32
200
150
100
50
0
2
4
6
8
10
Pressure in

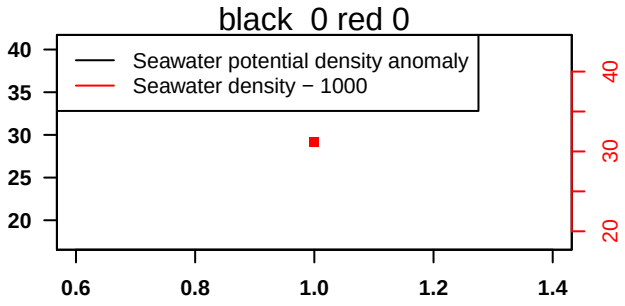

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4

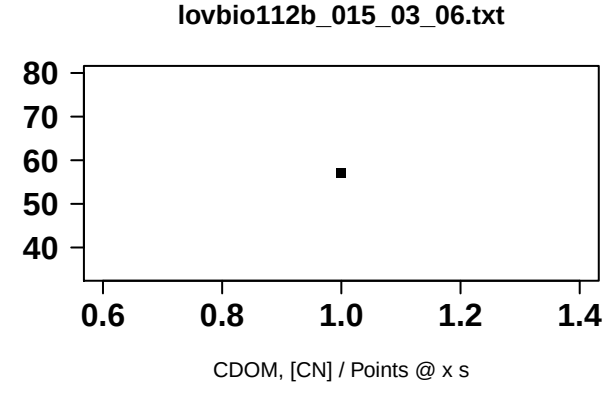

lovbio112b_015_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

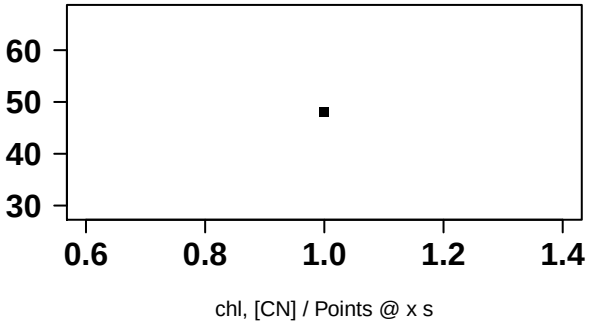

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

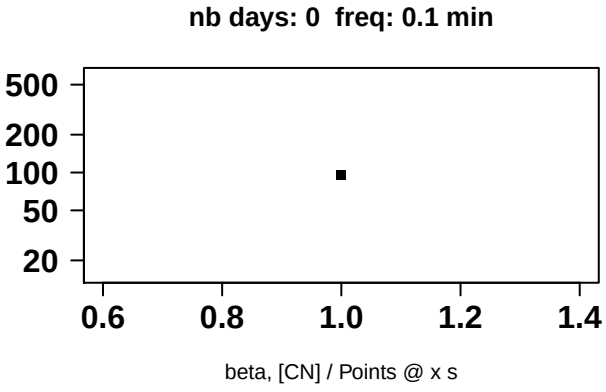

nb days: 0 freq: 0.1 min
2000
1000
500
200
100
50
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−12 20:27:52 2017−06−12 20:27:59
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_015_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
50
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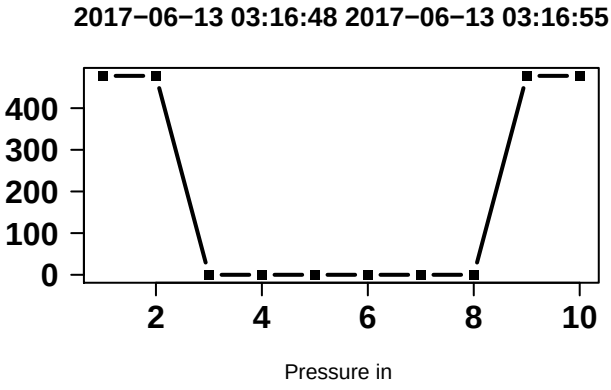
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−13 03:16:48 2017−06−13 03:16:55
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100
0
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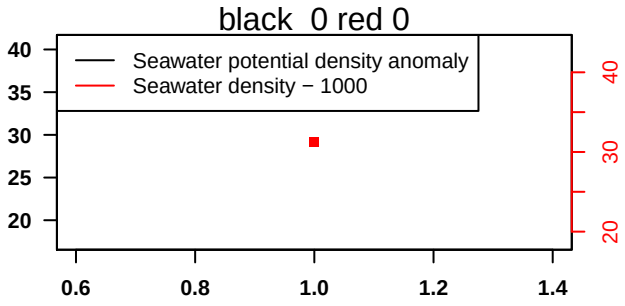
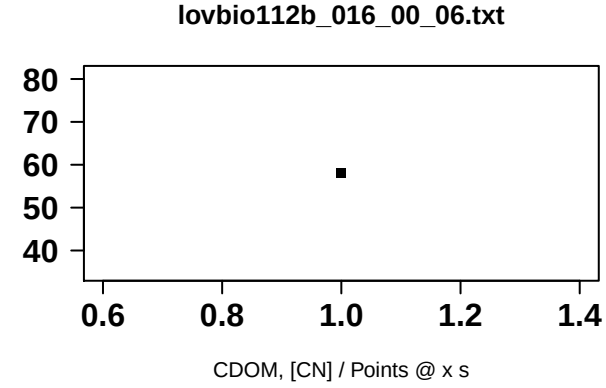
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_016_00_06.txt
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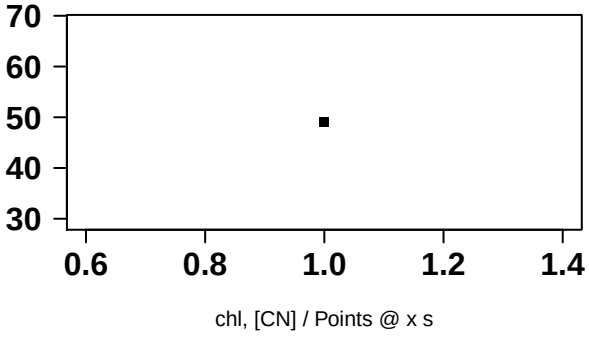
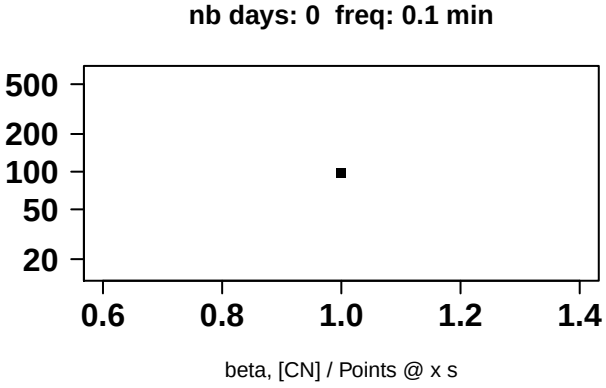
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
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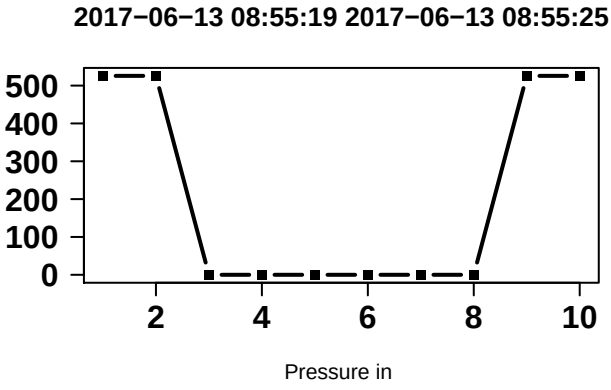
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−13 08:55:19 2017−06−13 08:55:25
500
400
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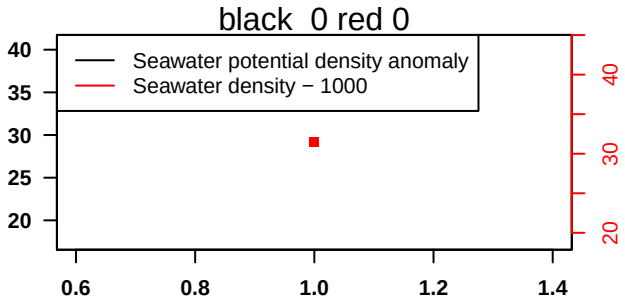
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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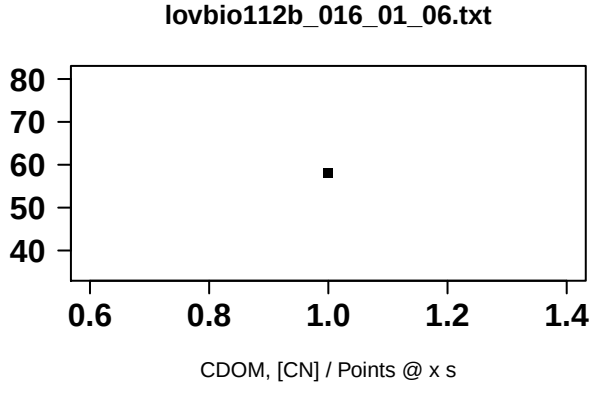
40
30
20


lovbio112b_016_01_06.txt
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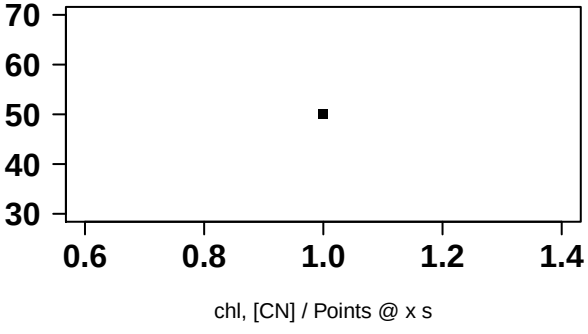
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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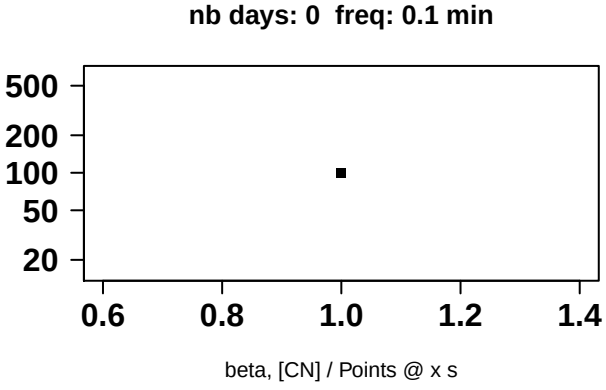
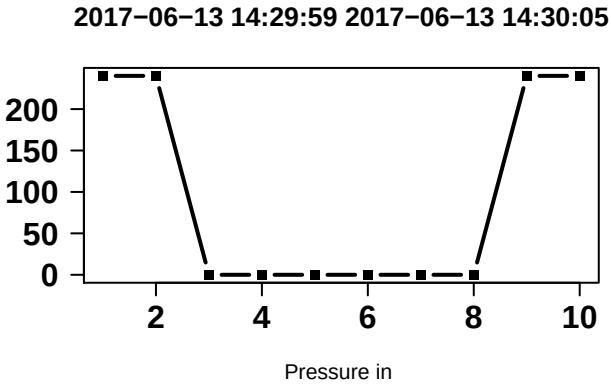
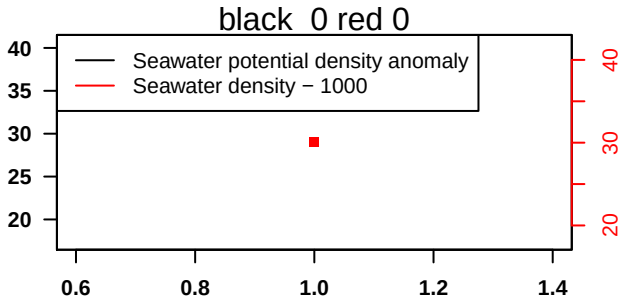
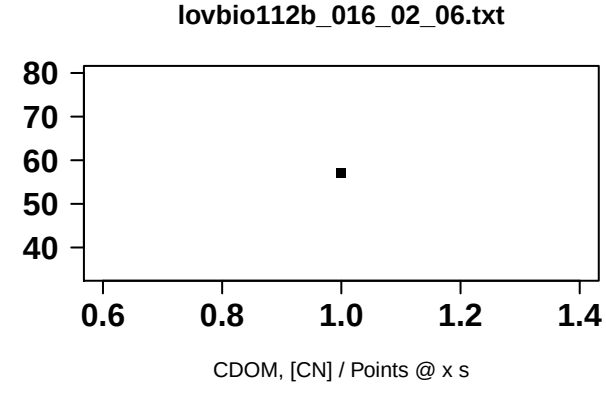
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−06−13 14:29:59 2017−06−13 14:30:05
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_016_02_06.txt
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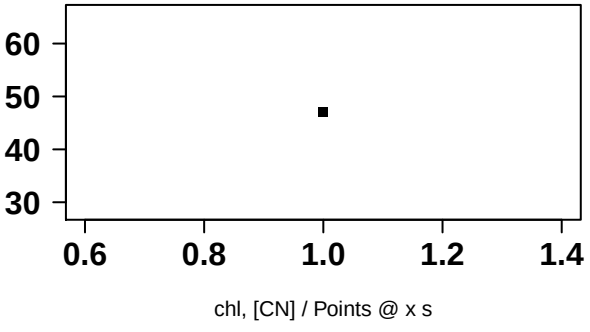
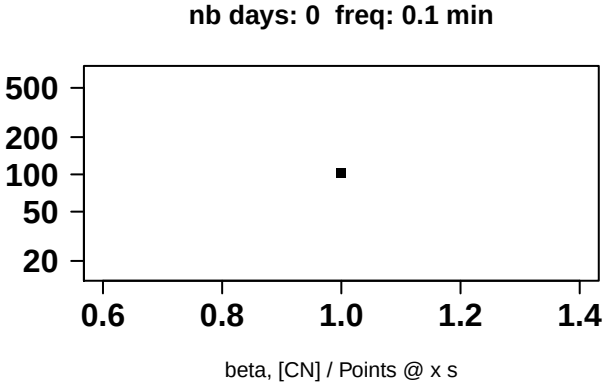
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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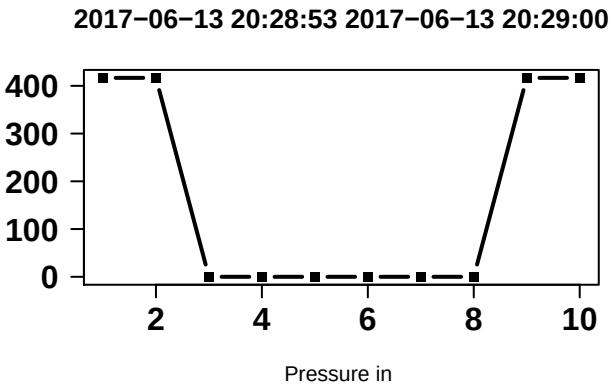
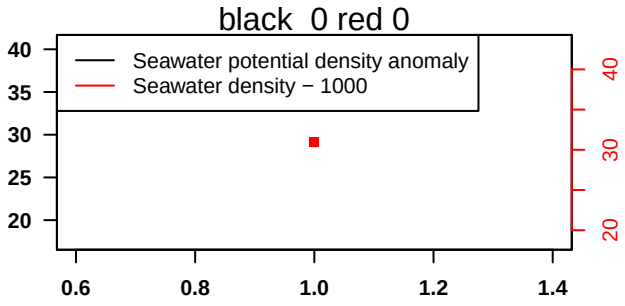
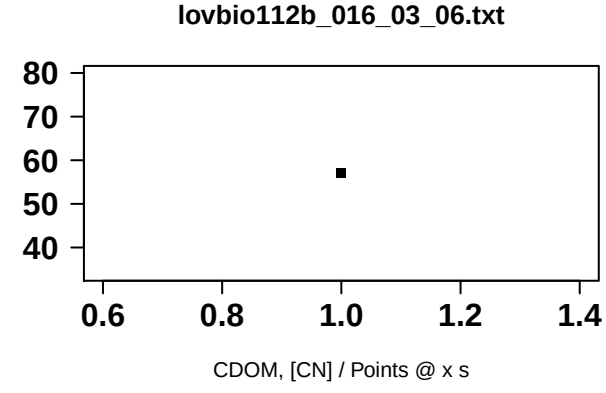
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−13 20:28:53 2017−06−13 20:29:00
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_016_03_06.txt
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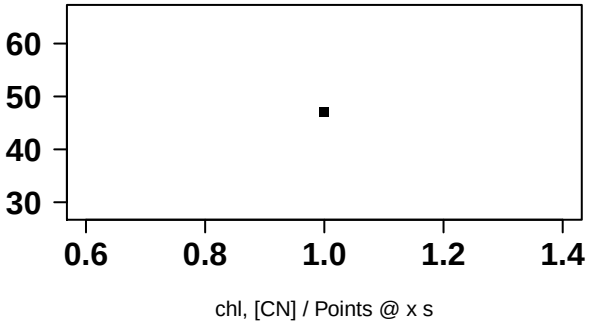
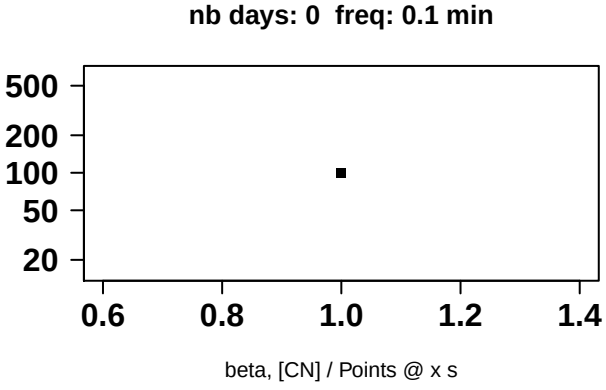
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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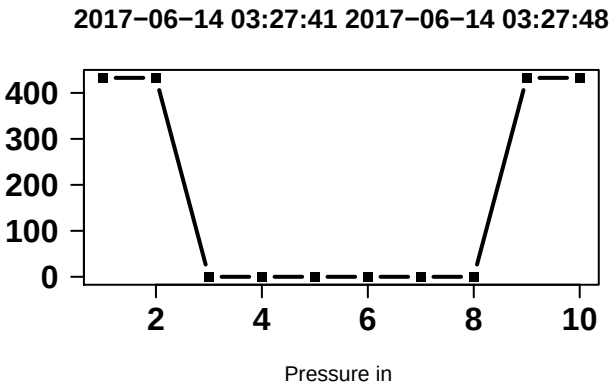
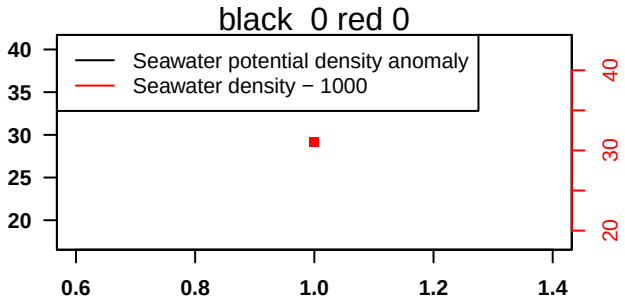
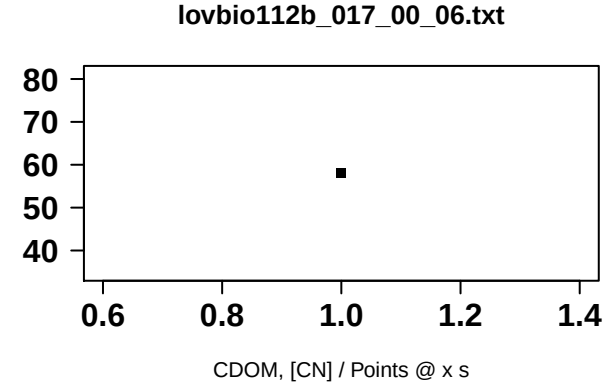
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−14 03:27:41 2017−06−14 03:27:48
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_017_00_06.txt
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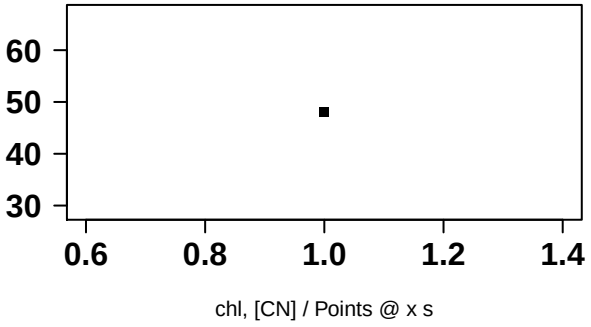
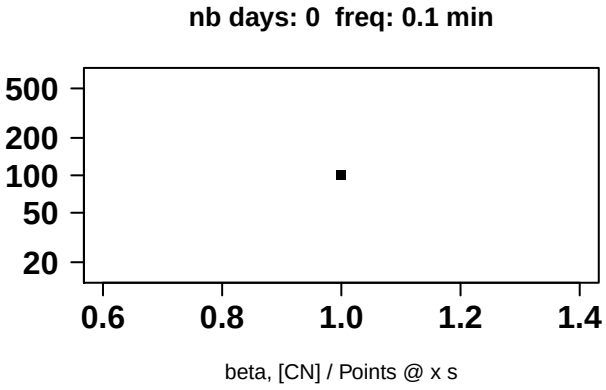
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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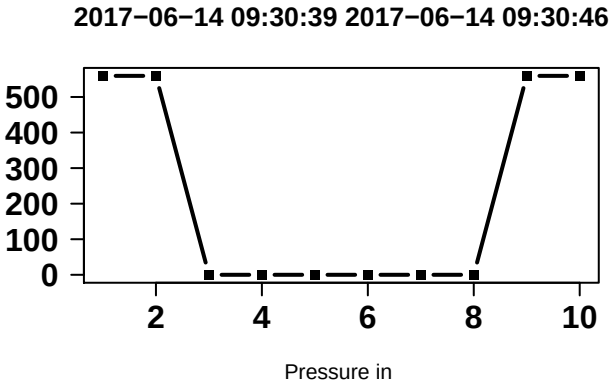
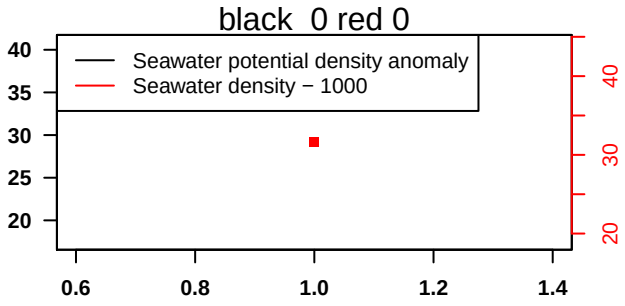
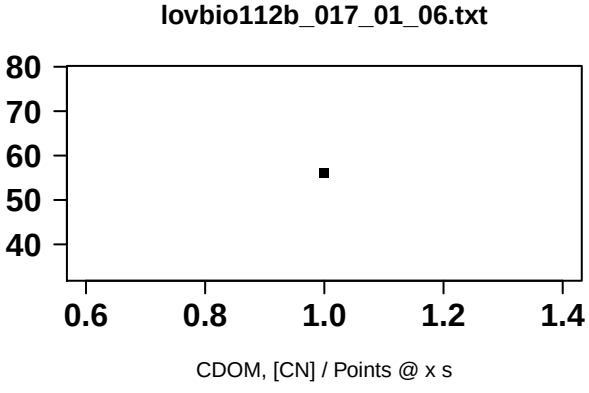
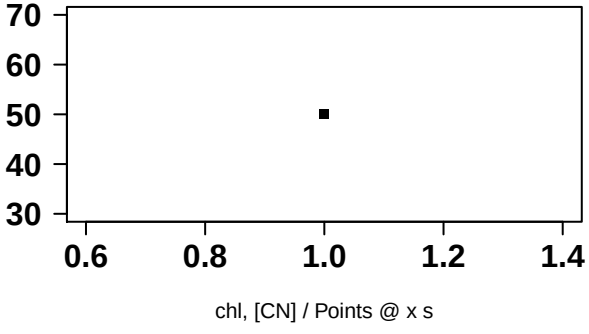
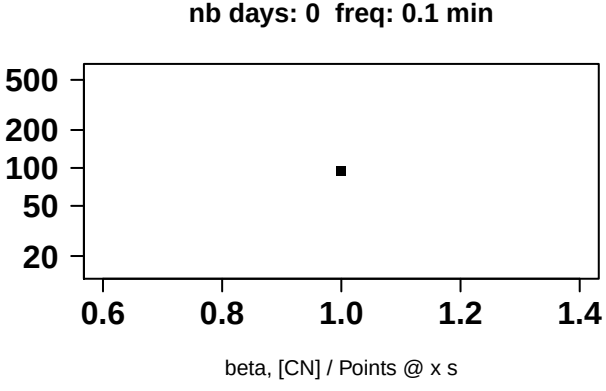
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−14 09:30:39 2017−06−14 09:30:46
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_017_01_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
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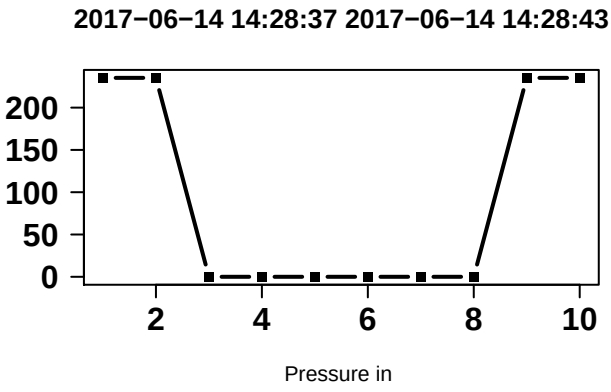
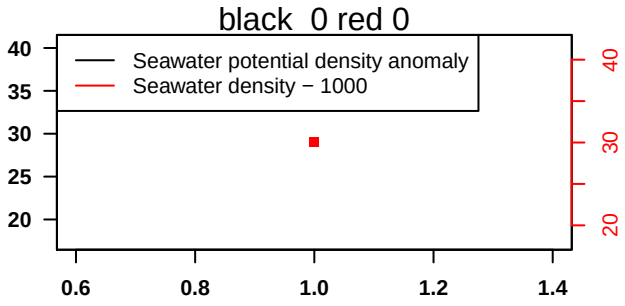
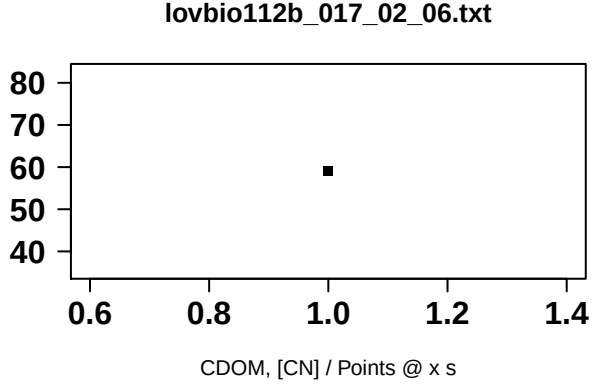
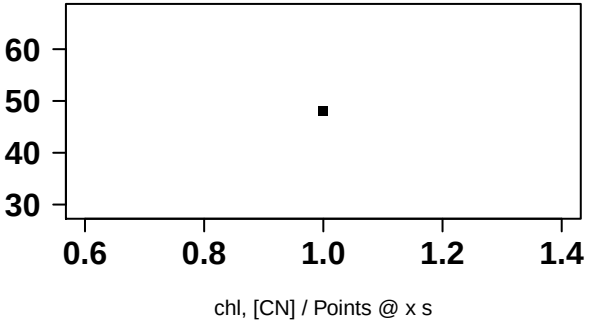
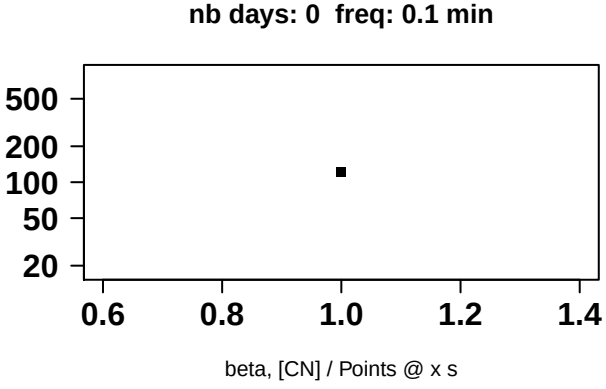
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

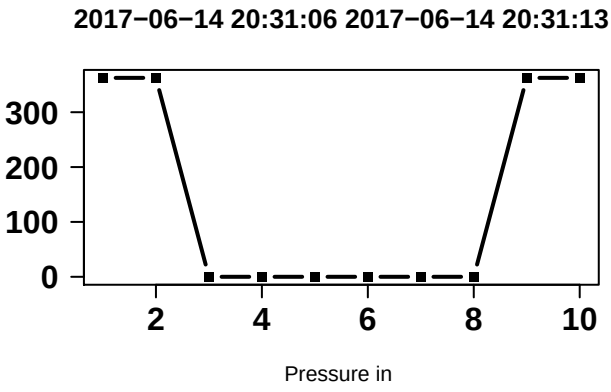

2017−06−14 14:28:37 2017−06−14 14:28:43
200
150
100
50
0
2
4
6
8
10
Pressure in

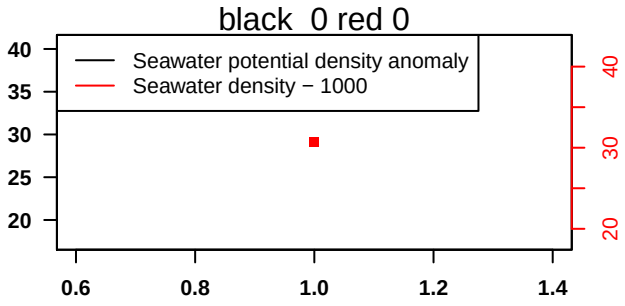

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

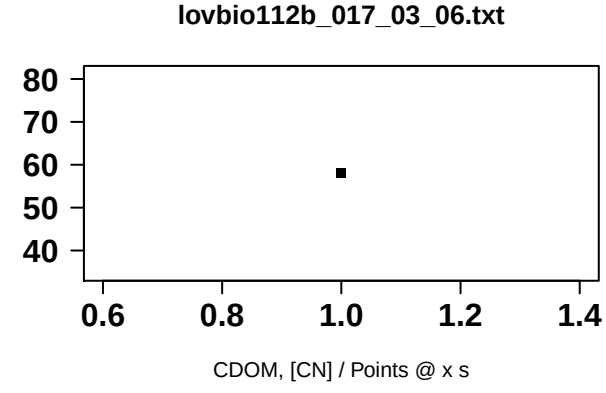

lovbio112b_017_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

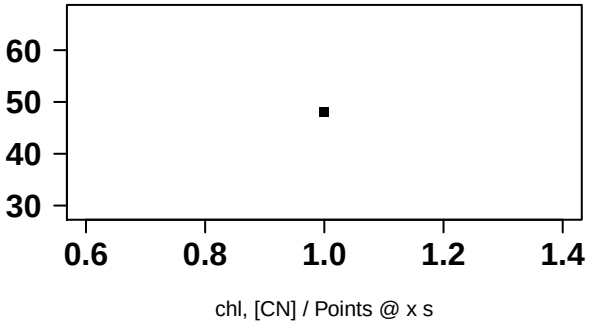

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−06−14 20:31:06 2017−06−14 20:31:13
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_017_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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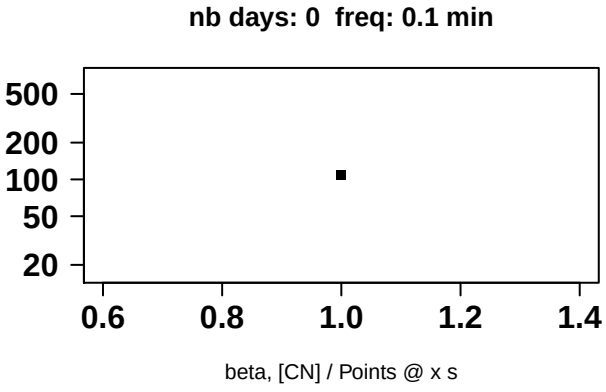
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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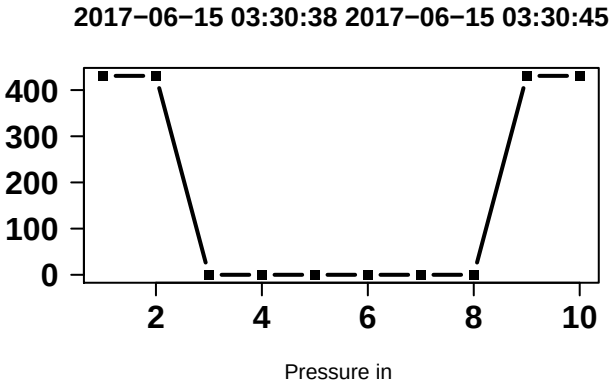
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−15 03:30:38 2017−06−15 03:30:45
400
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100
0
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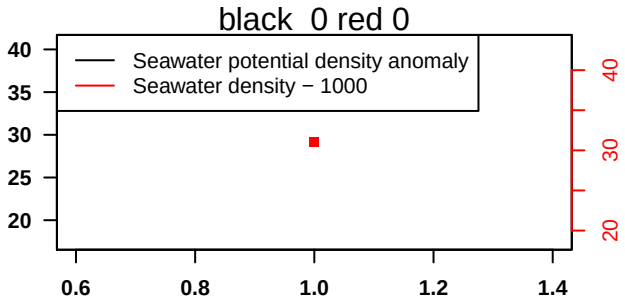
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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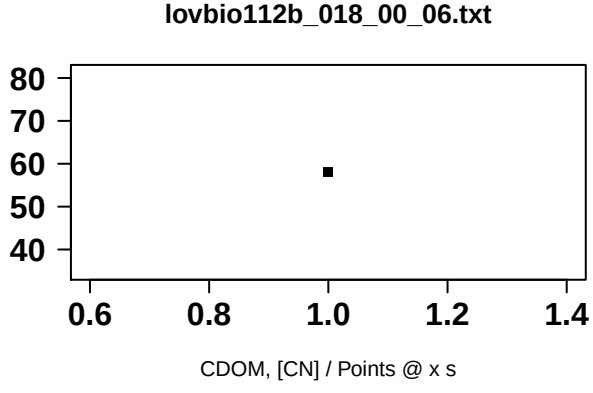
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_018_00_06.txt
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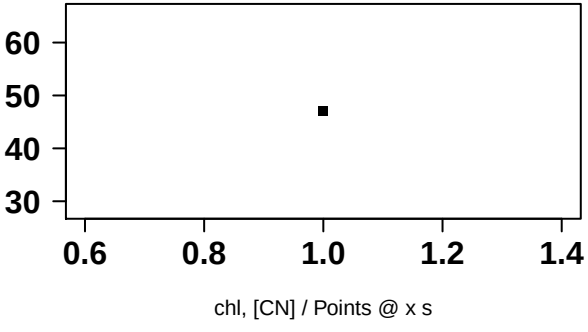
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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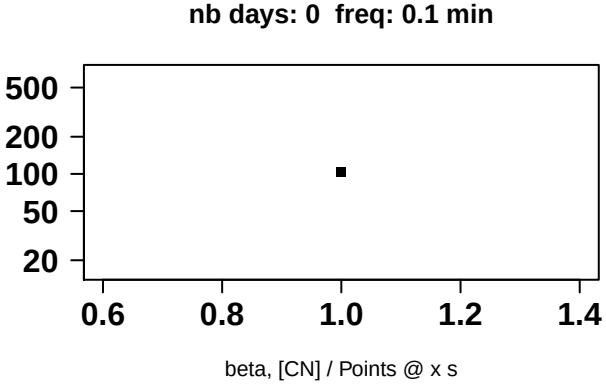
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s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0.8
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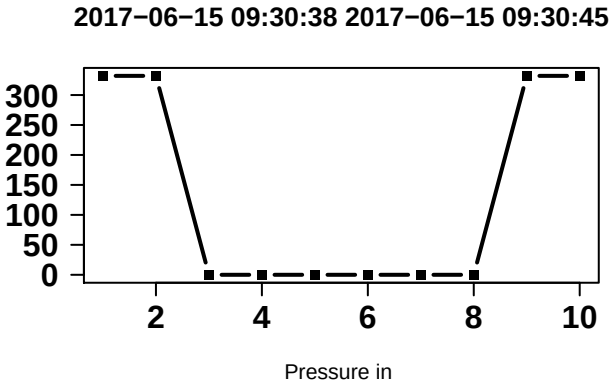
1.2
1.4
beta, [CN] / Points @ x s


2017−06−15 09:30:38 2017−06−15 09:30:45
300
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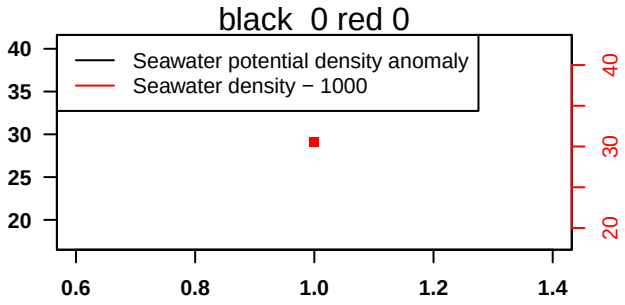
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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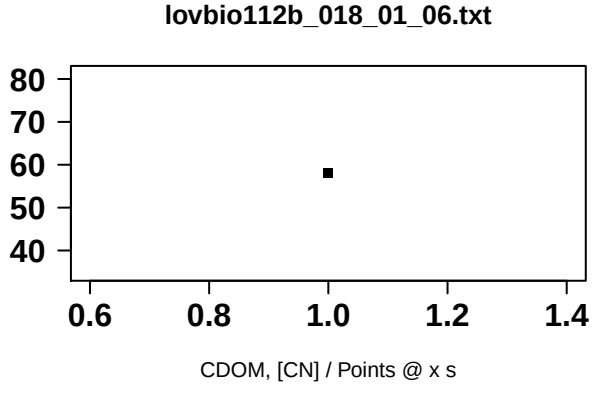
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_018_01_06.txt
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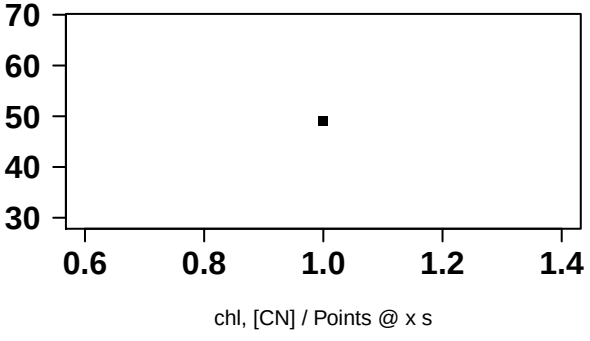
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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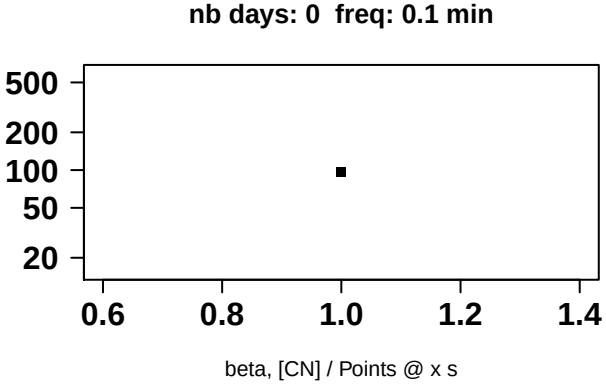
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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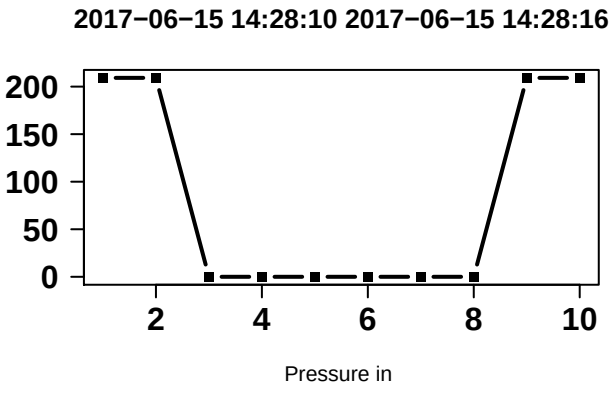
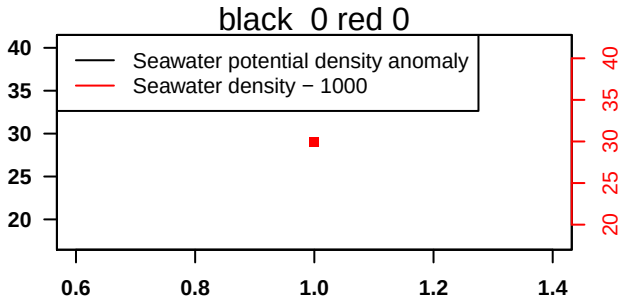
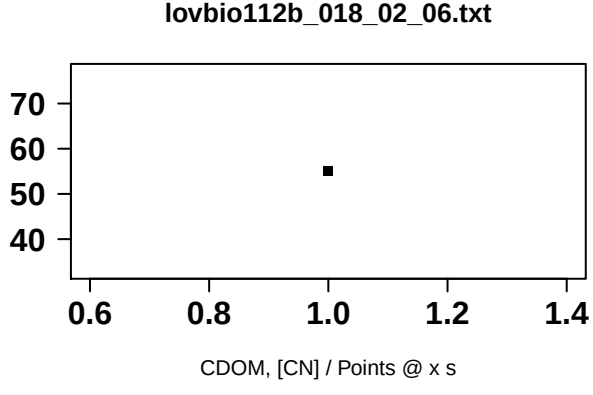
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−15 14:28:10 2017−06−15 14:28:16
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_018_02_06.txt
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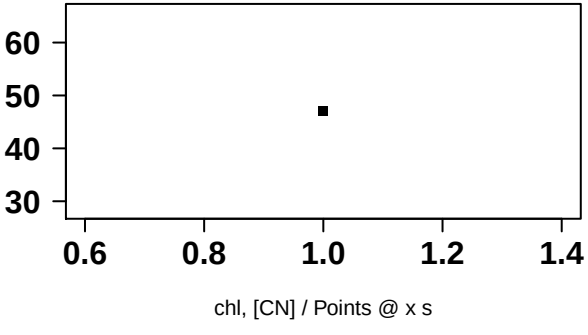
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
50
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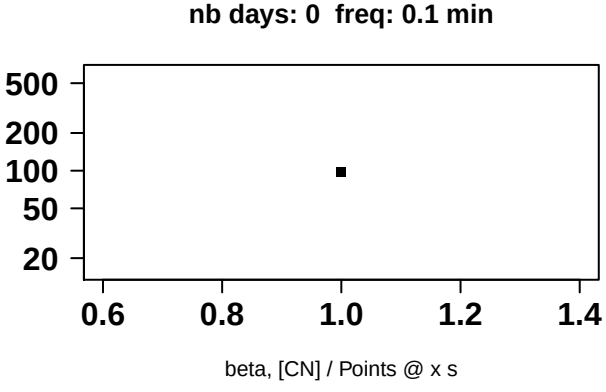
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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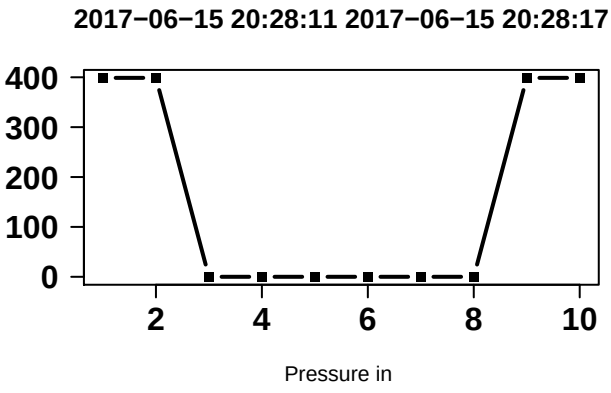
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−15 20:28:11 2017−06−15 20:28:17
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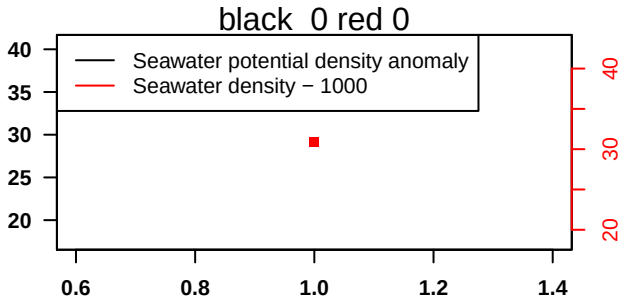
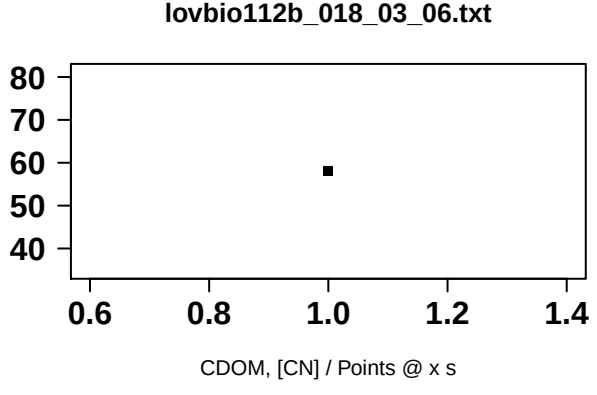
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_018_03_06.txt
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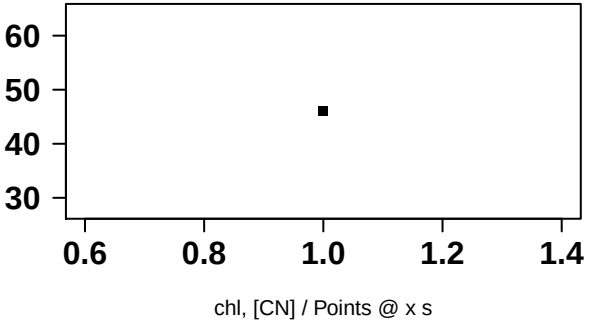
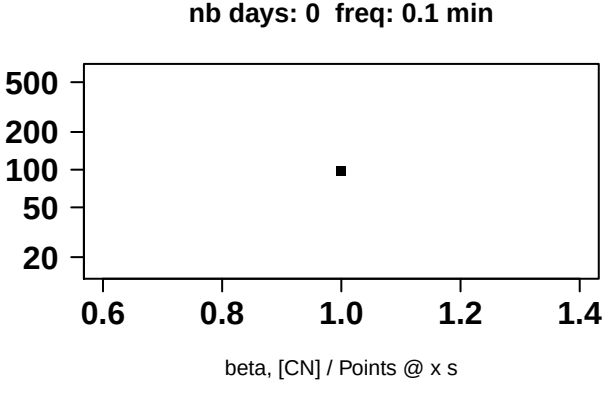
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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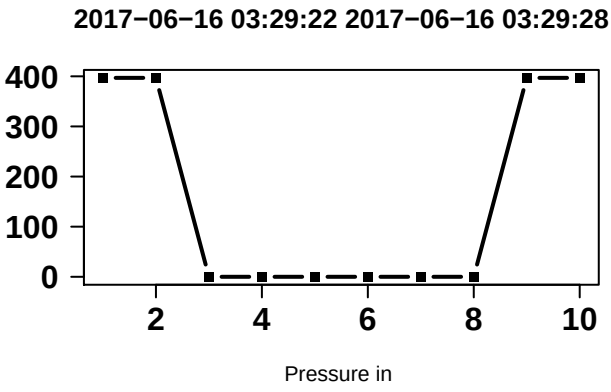
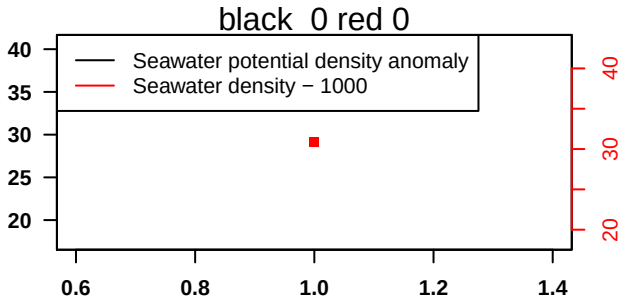
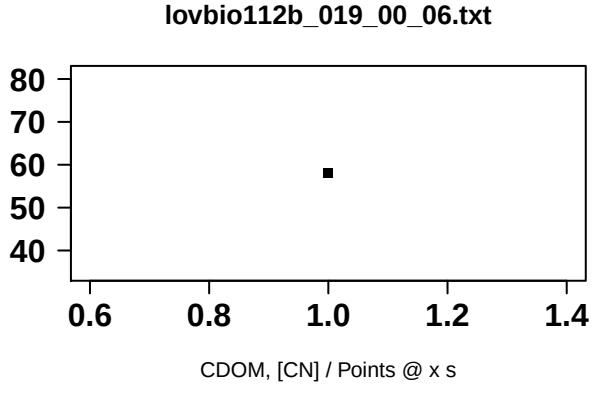
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−16 03:29:22 2017−06−16 03:29:28
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_019_00_06.txt
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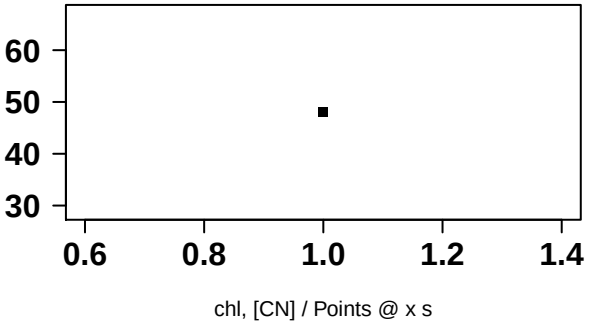
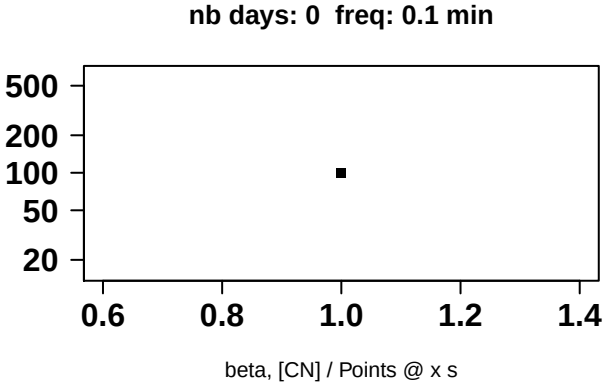
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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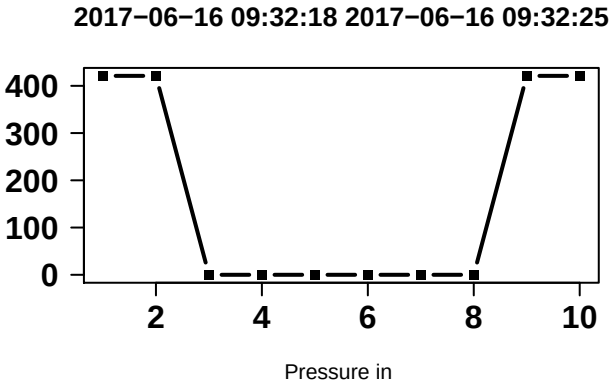
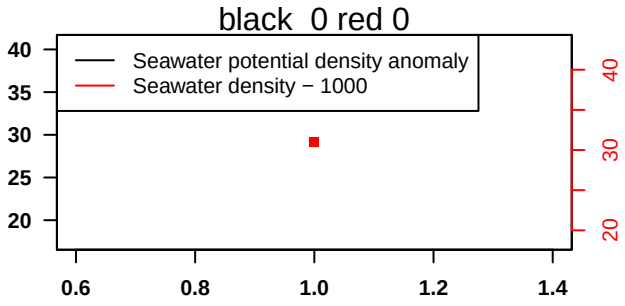
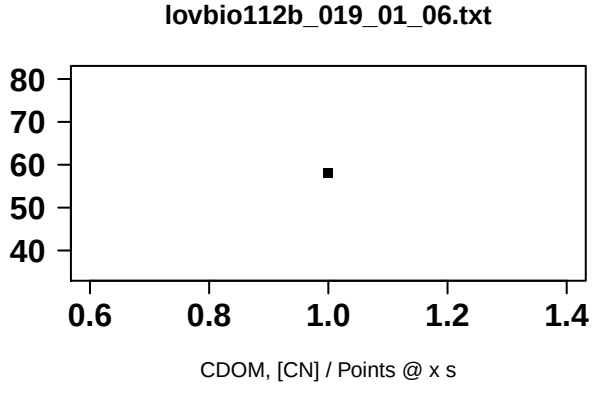
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−16 09:32:18 2017−06−16 09:32:25
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_019_01_06.txt
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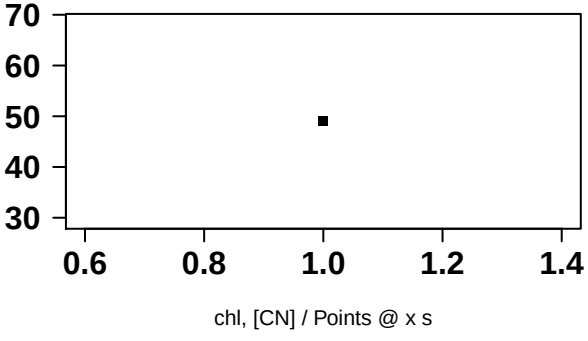
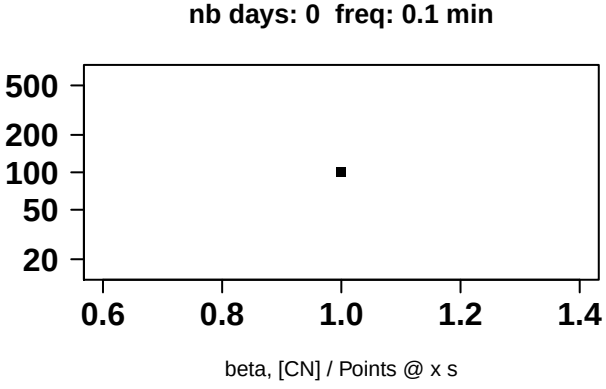
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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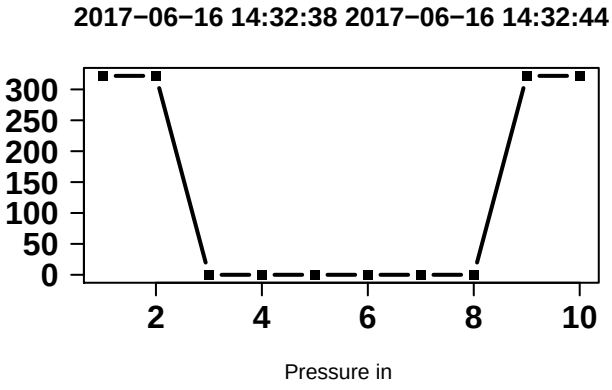
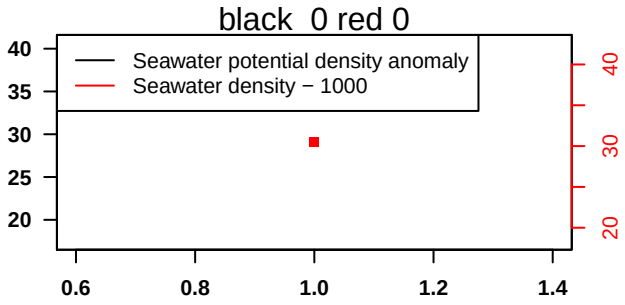
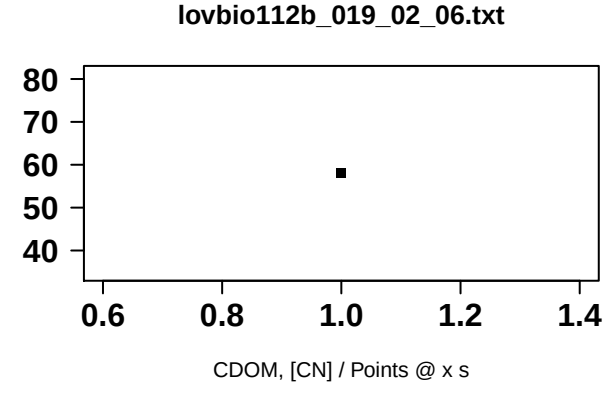
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−16 14:32:38 2017−06−16 14:32:44
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_019_02_06.txt
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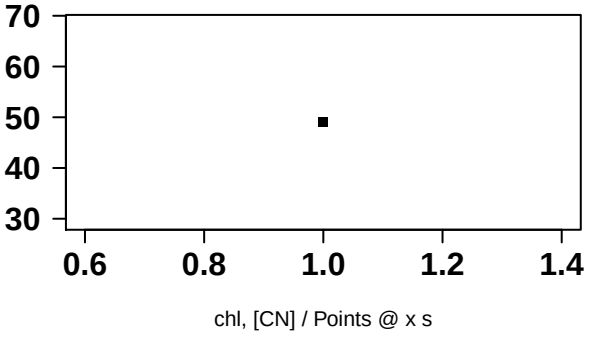
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


70
60
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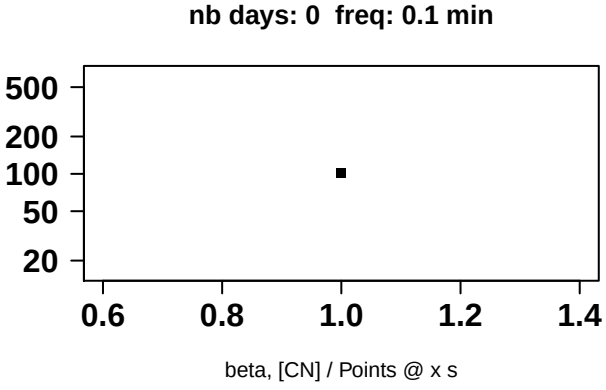
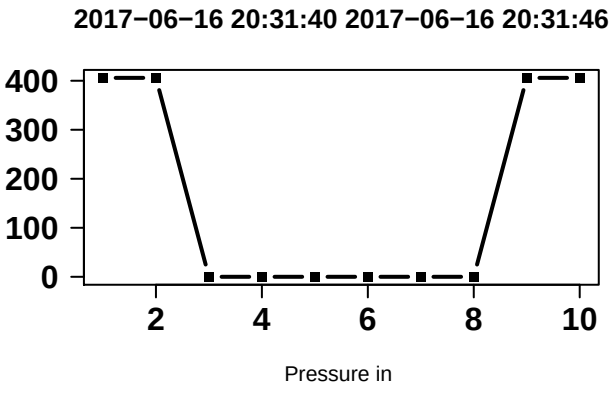
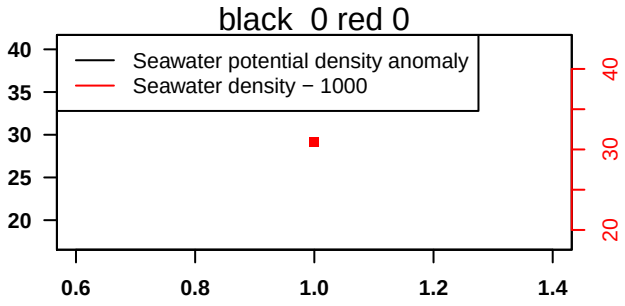
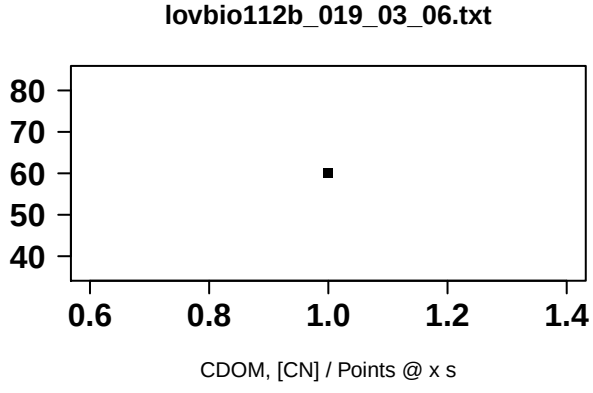
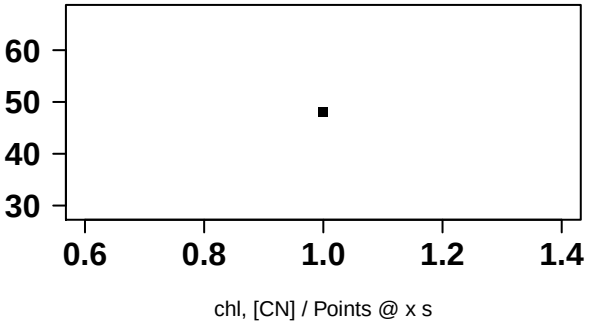
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

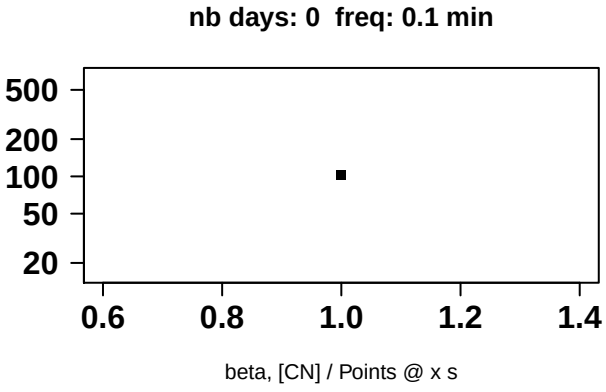

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−16 20:31:40 2017−06−16 20:31:46
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_019_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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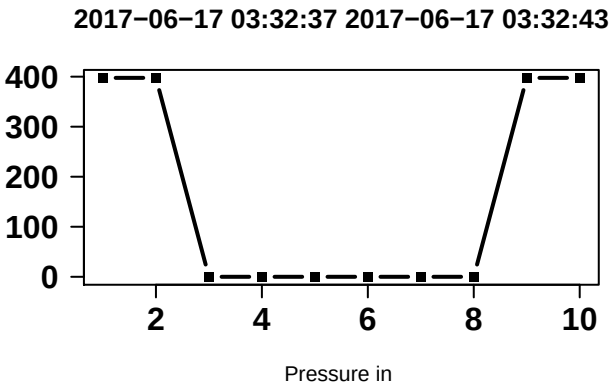
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−17 03:32:37 2017−06−17 03:32:43
400
300
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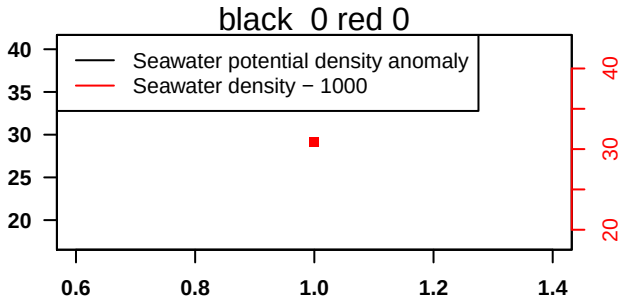
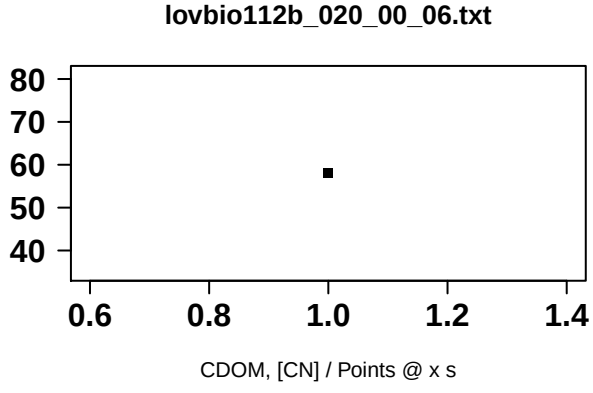
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_020_00_06.txt
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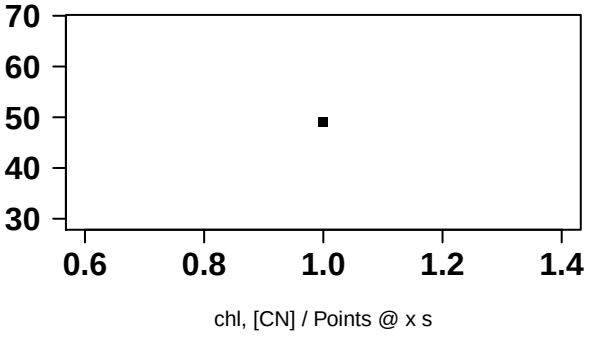
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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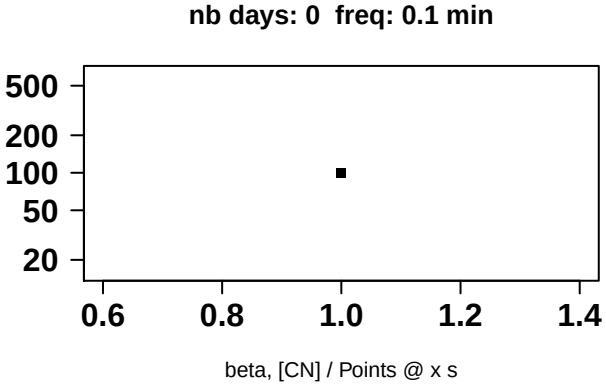
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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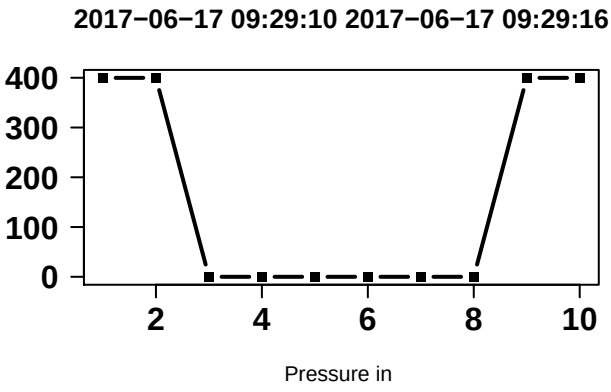
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−17 09:29:10 2017−06−17 09:29:16
400
300
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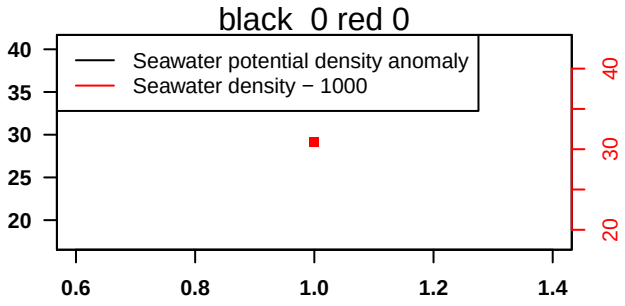
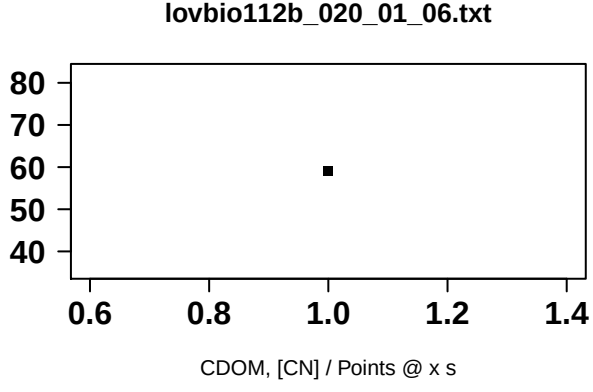
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_020_01_06.txt
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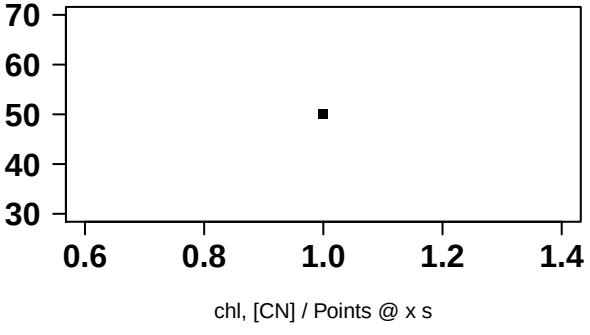
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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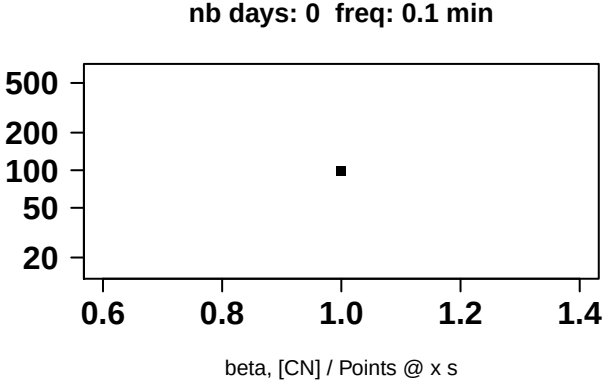
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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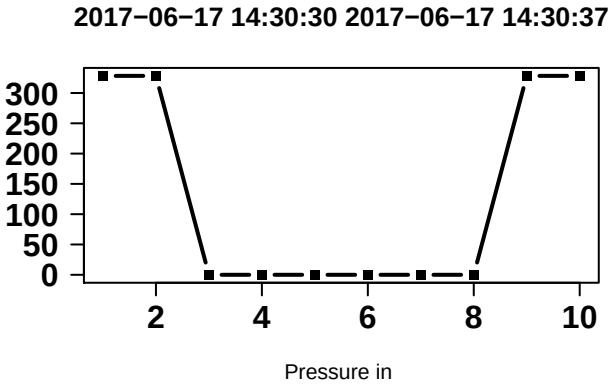
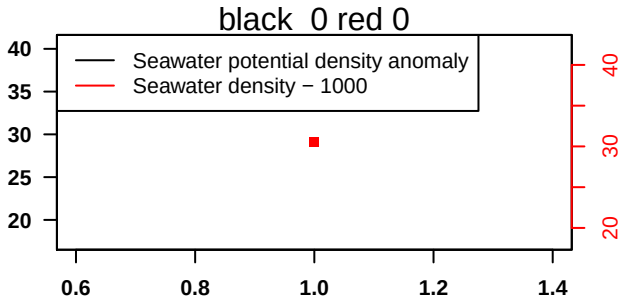
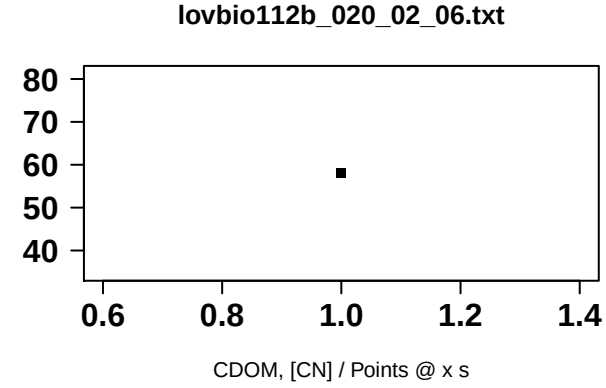
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−17 14:30:30 2017−06−17 14:30:37
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_020_02_06.txt
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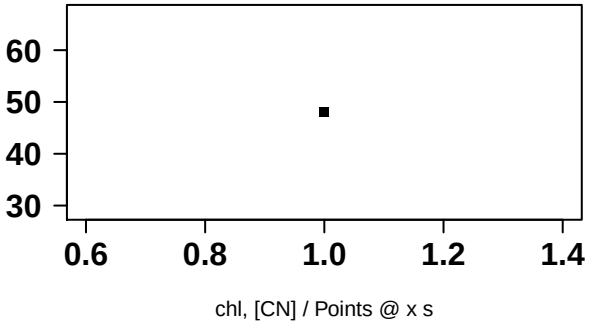
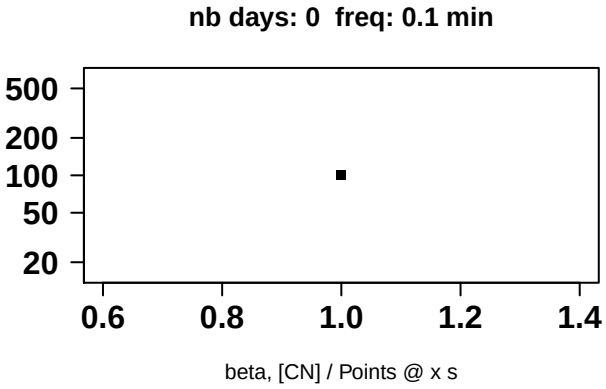
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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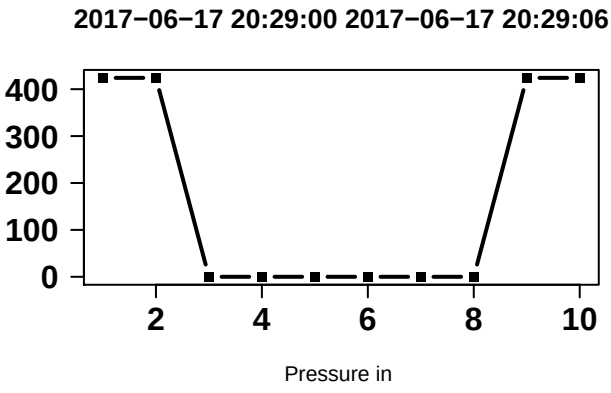
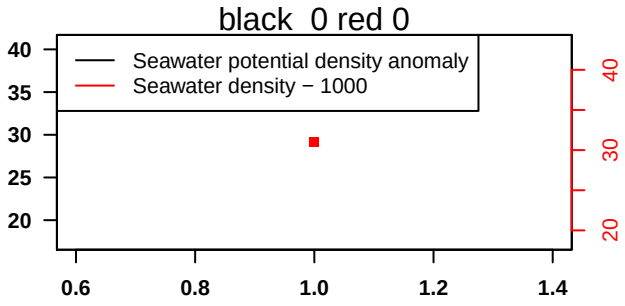
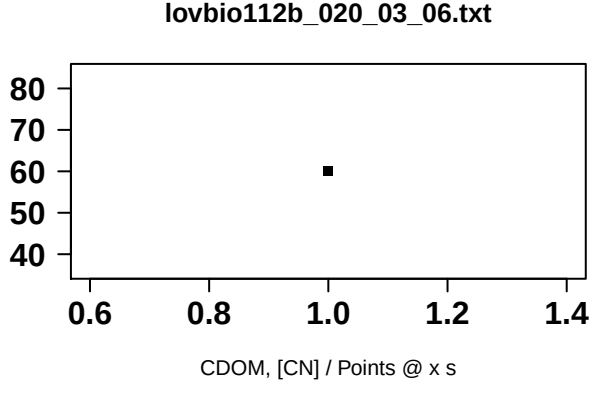
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−17 20:29:00 2017−06−17 20:29:06
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_020_03_06.txt
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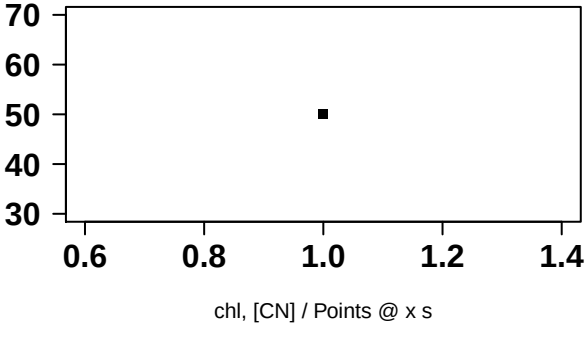
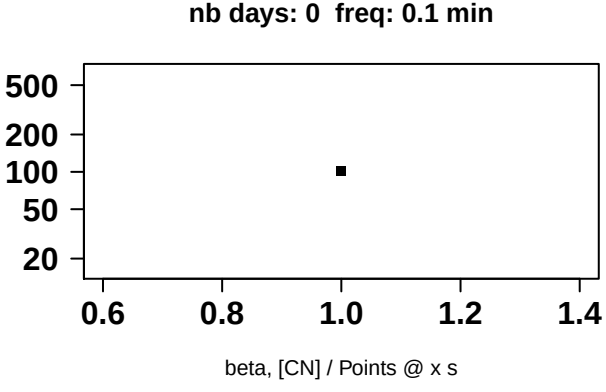
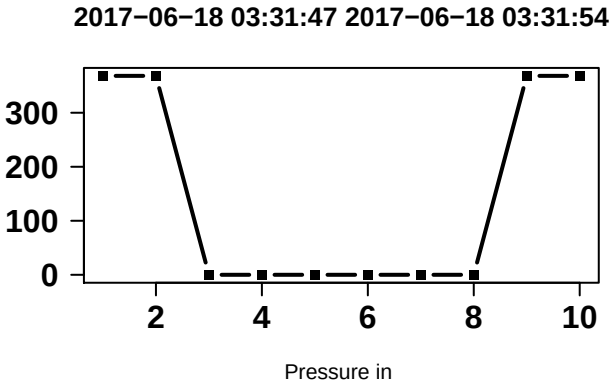
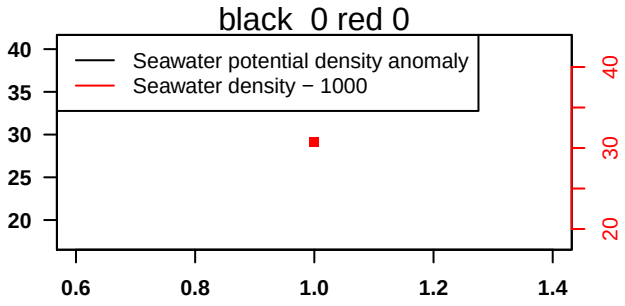
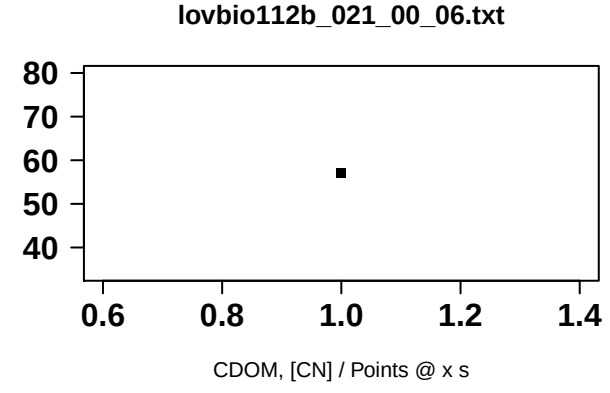
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−06−18 03:31:47 2017−06−18 03:31:54
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_021_00_06.txt
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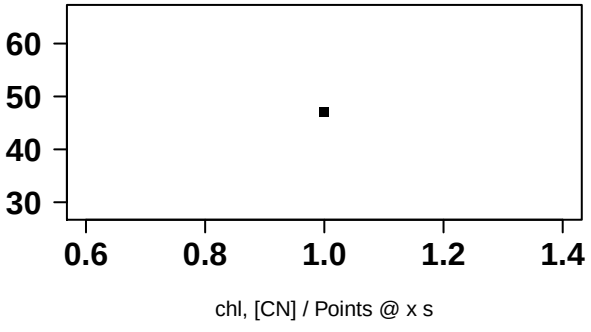
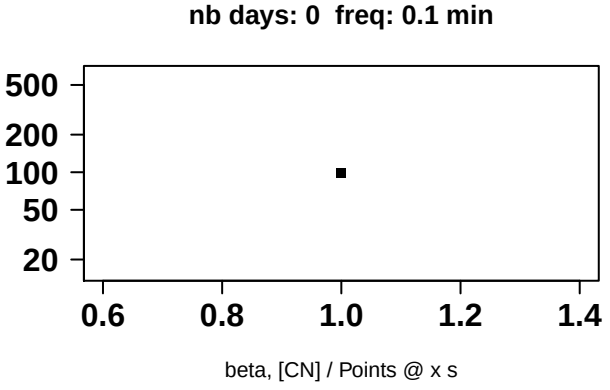
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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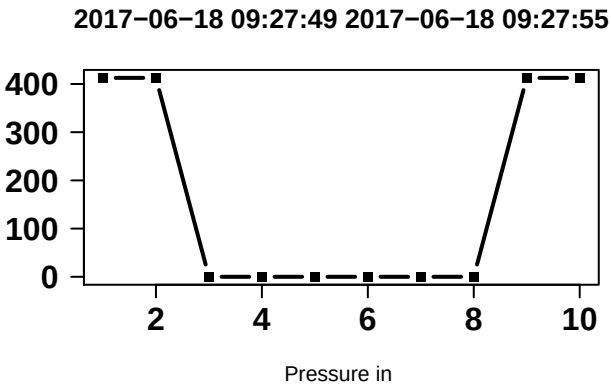
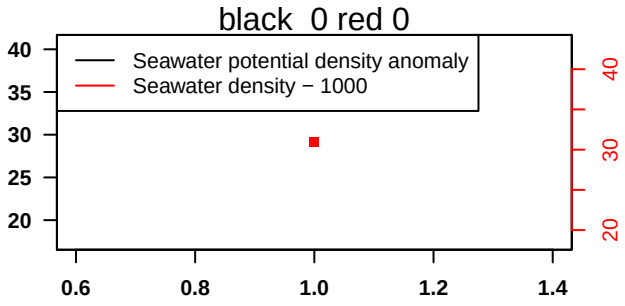
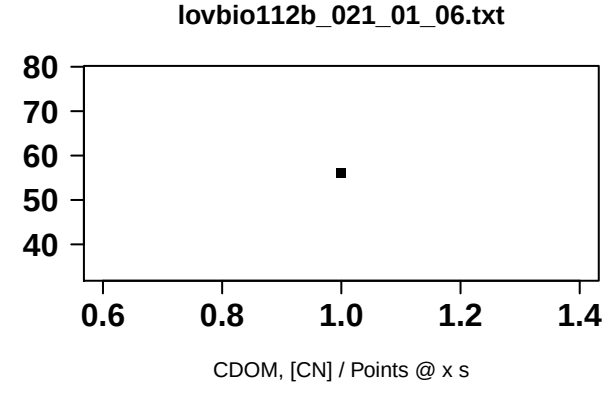
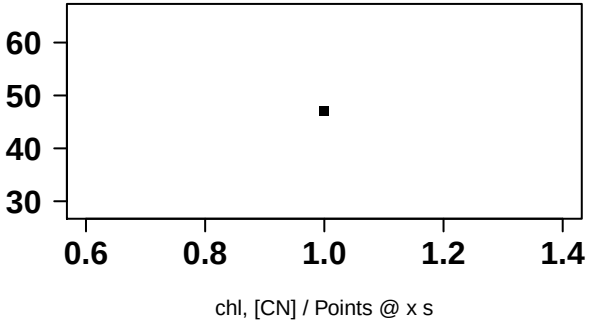
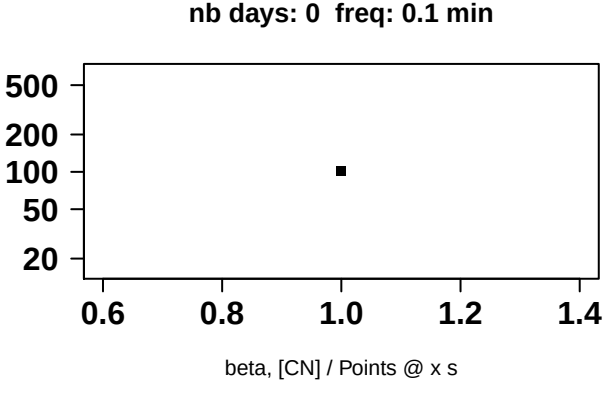
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

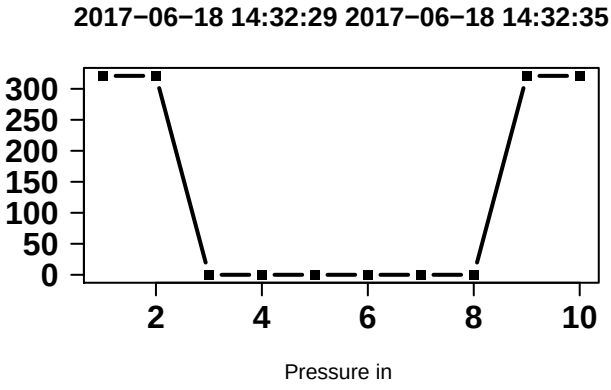

2017−06−18 09:27:49 2017−06−18 09:27:55
400
300
200
100
0
2
4
6
8
10
Pressure in

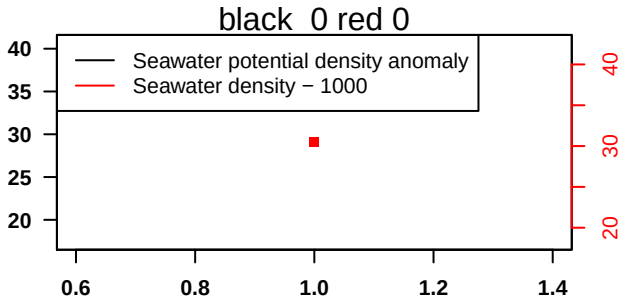

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

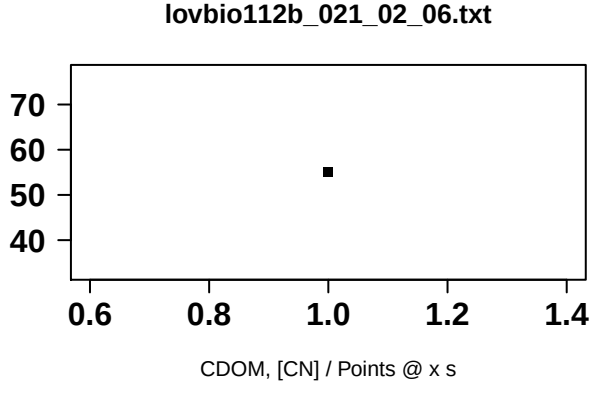

lovbio112b_021_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

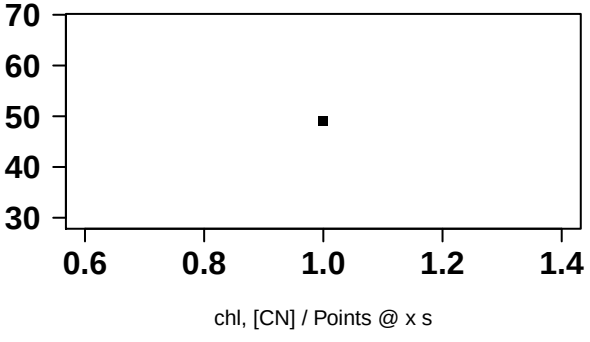

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

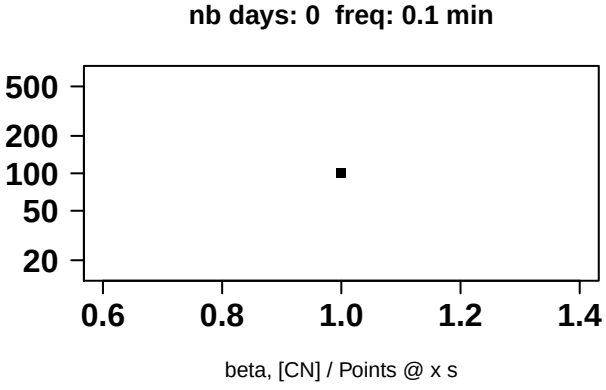

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

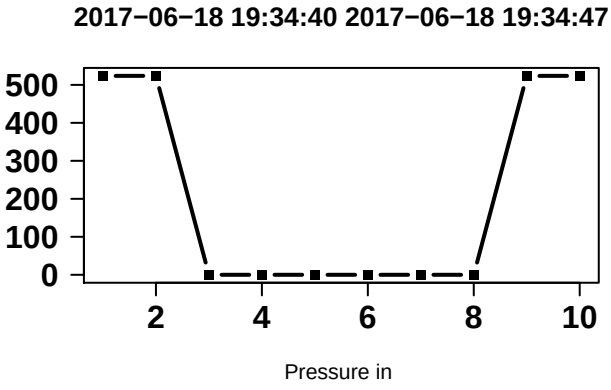

2017−06−18 14:32:29 2017−06−18 14:32:35
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

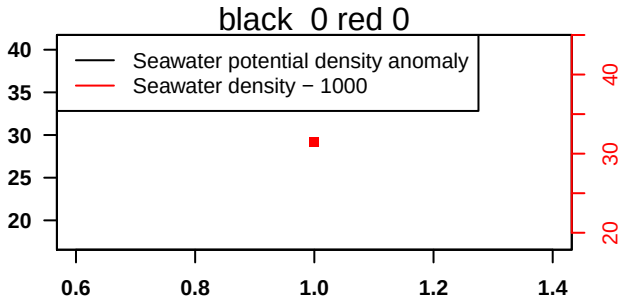

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

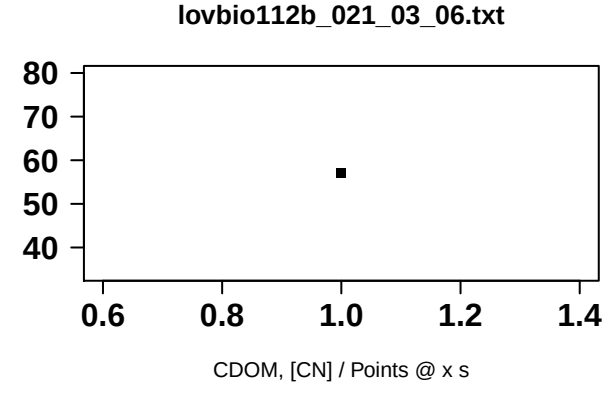

lovbio112b_021_02_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

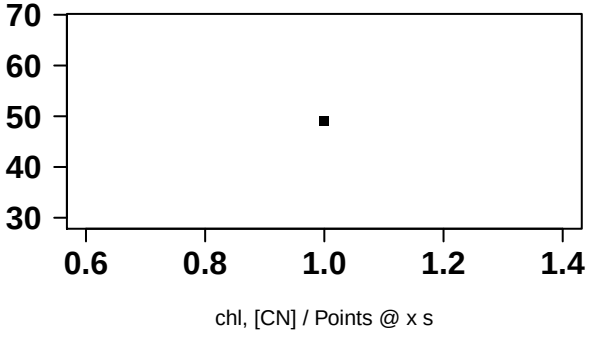

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

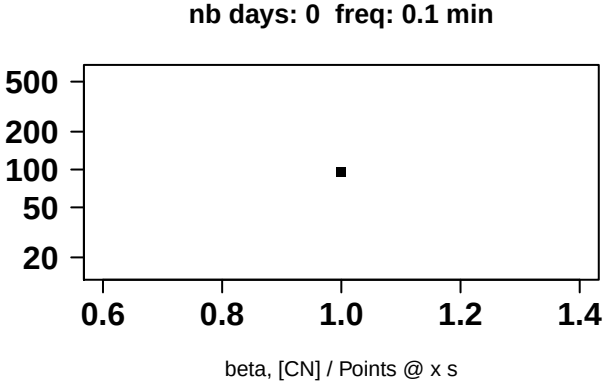

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−18 19:34:40 2017−06−18 19:34:47
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_021_03_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
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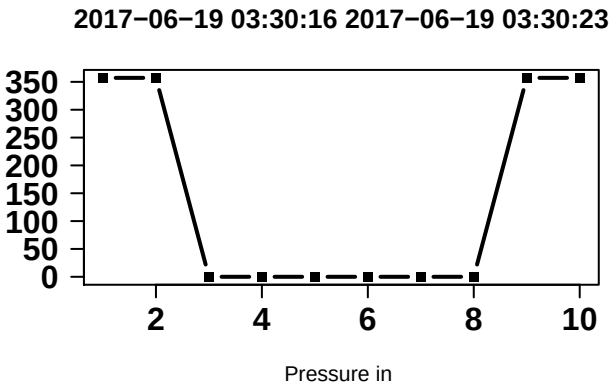
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−19 03:30:16 2017−06−19 03:30:23
350
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200
150
100
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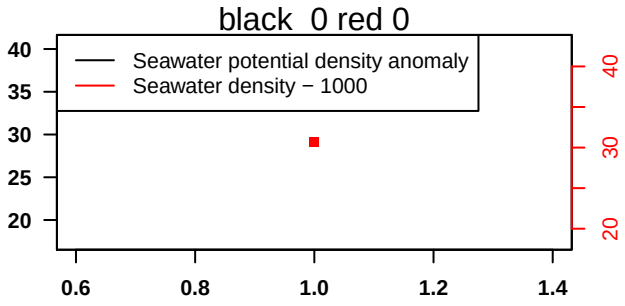
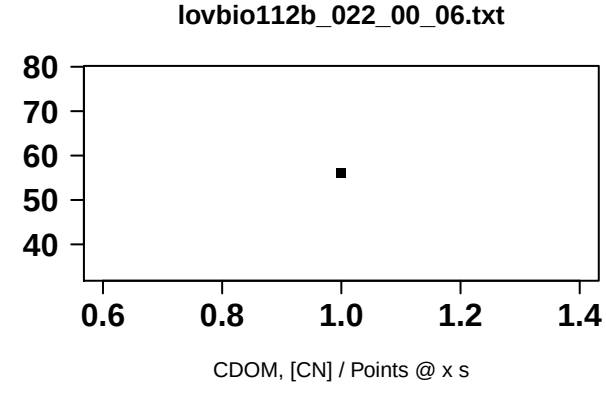
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_022_00_06.txt
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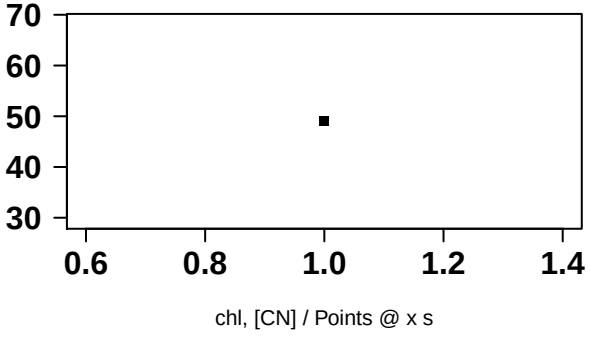
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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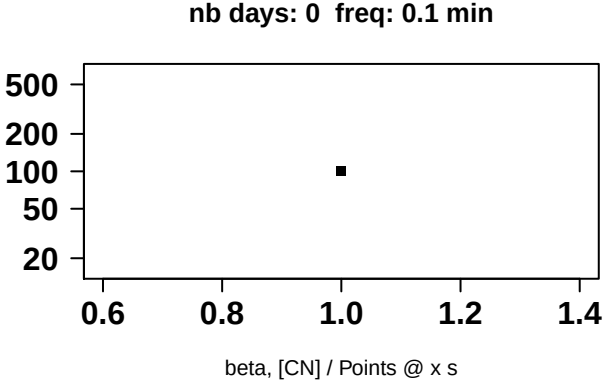
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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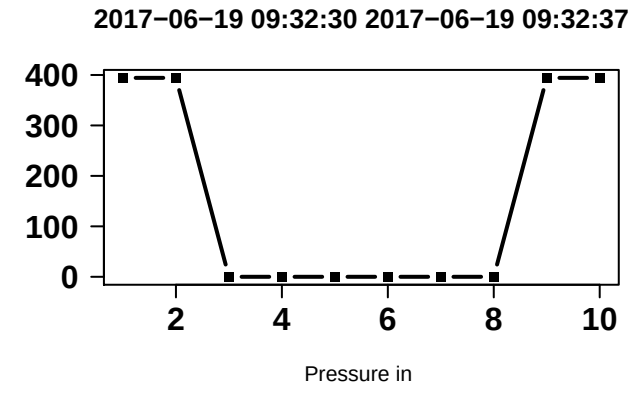
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−19 09:32:30 2017−06−19 09:32:37
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100
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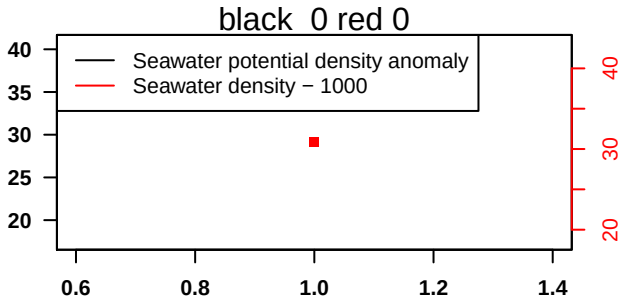
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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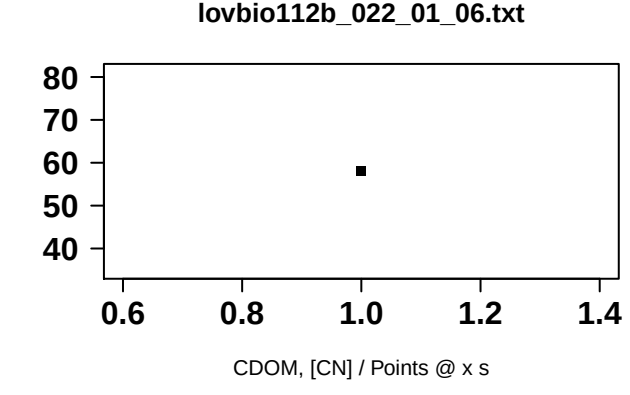
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_022_01_06.txt
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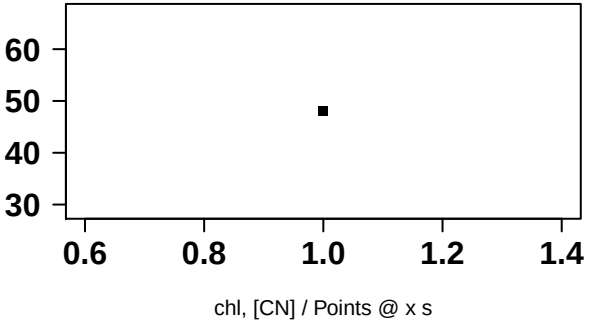
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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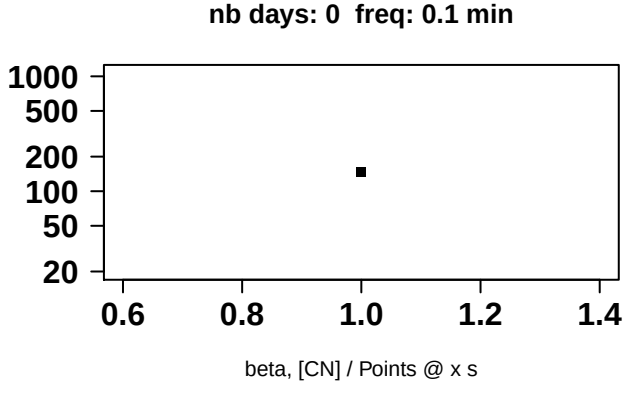
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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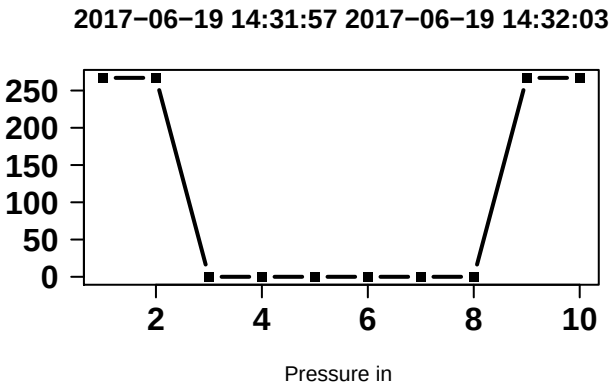
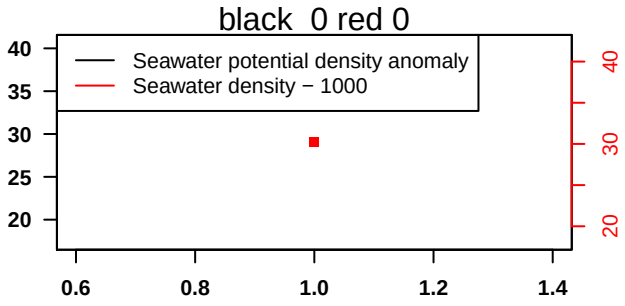
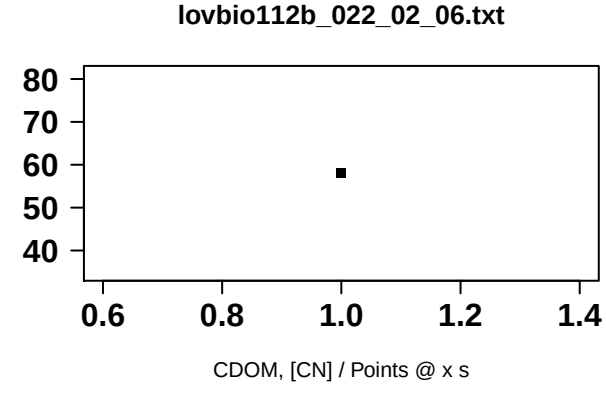
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−19 14:31:57 2017−06−19 14:32:03
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_022_02_06.txt
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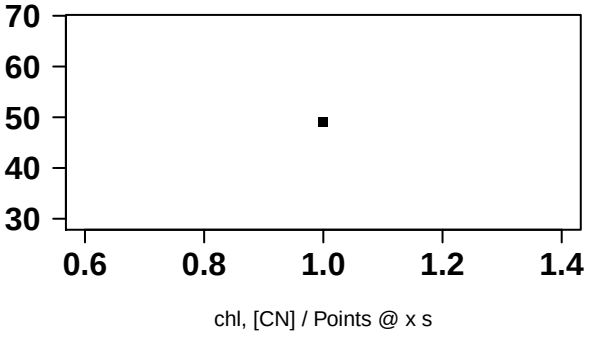
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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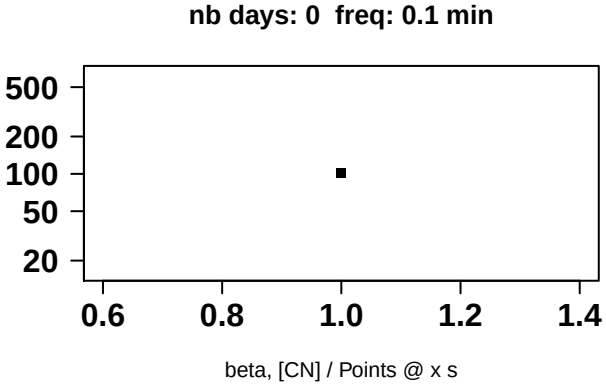
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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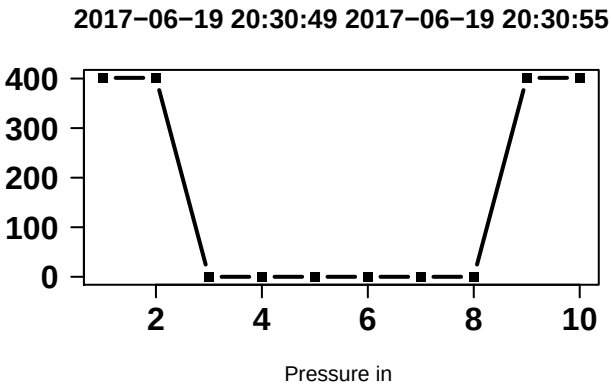
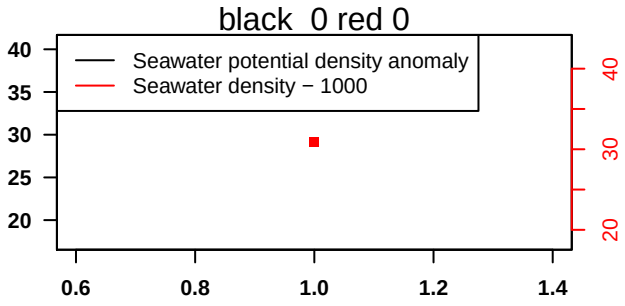
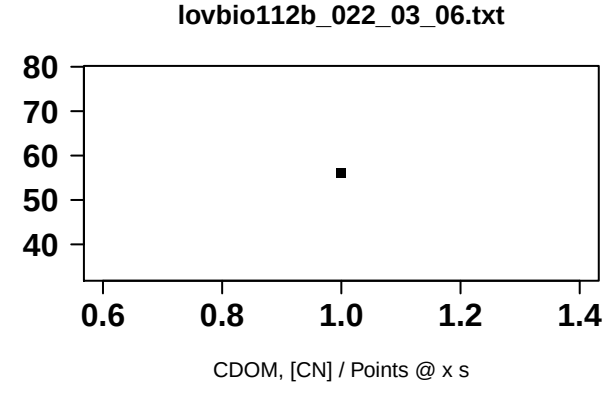
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−19 20:30:49 2017−06−19 20:30:55
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_022_03_06.txt
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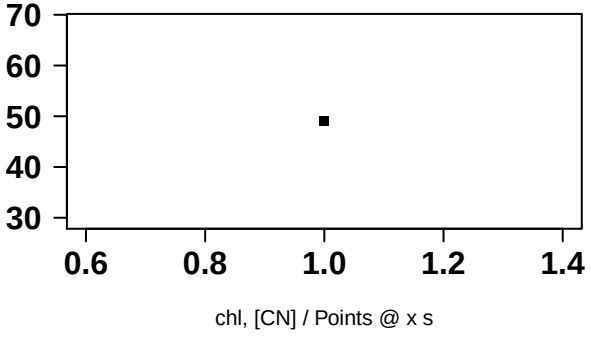
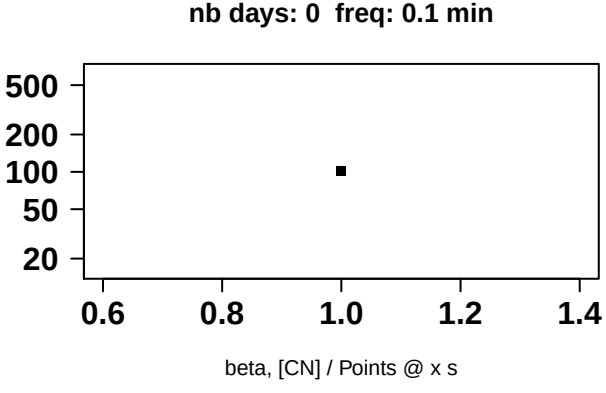
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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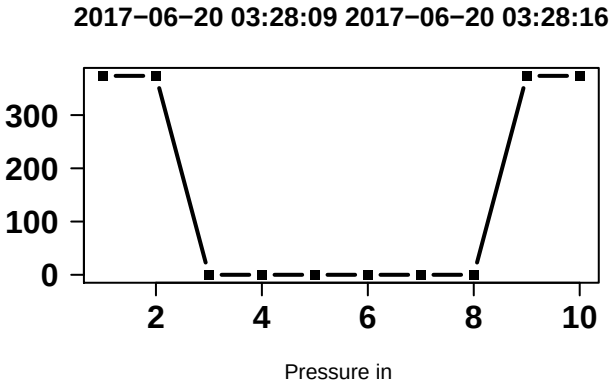
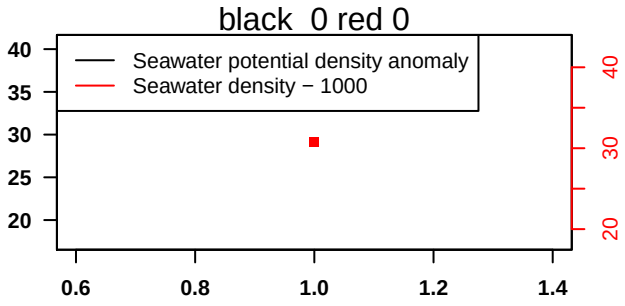
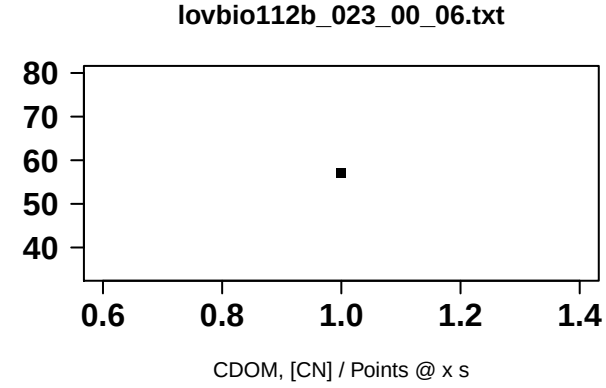
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−20 03:28:09 2017−06−20 03:28:16
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_023_00_06.txt
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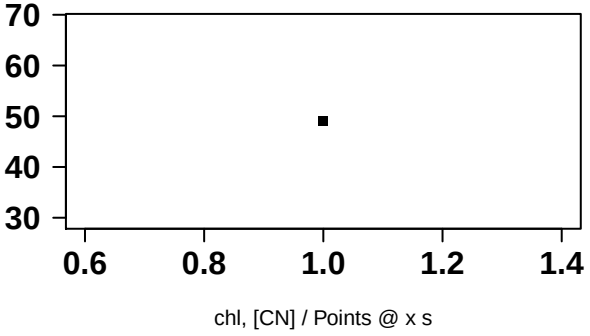
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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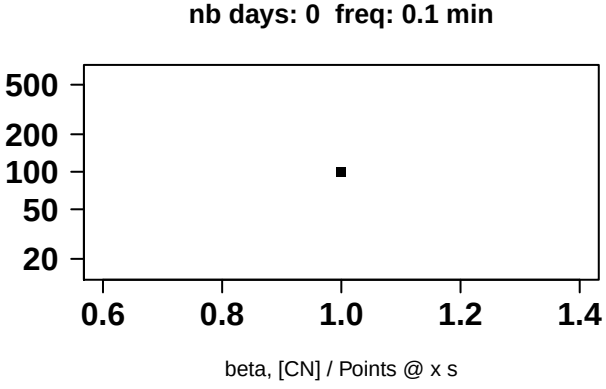
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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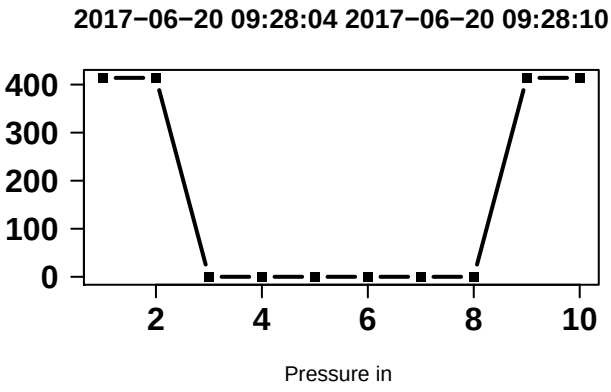
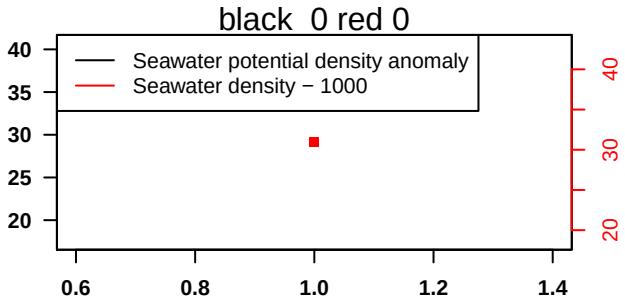
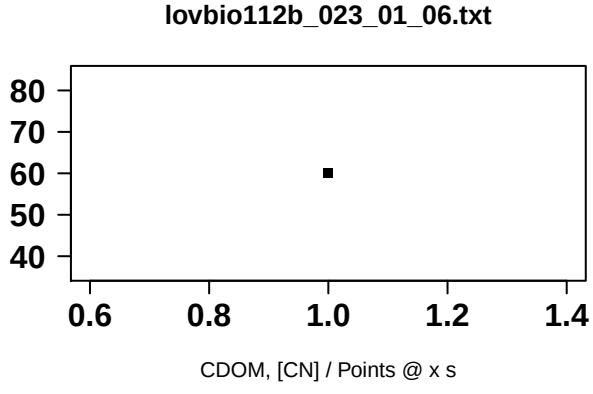
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−20 09:28:04 2017−06−20 09:28:10
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_023_01_06.txt
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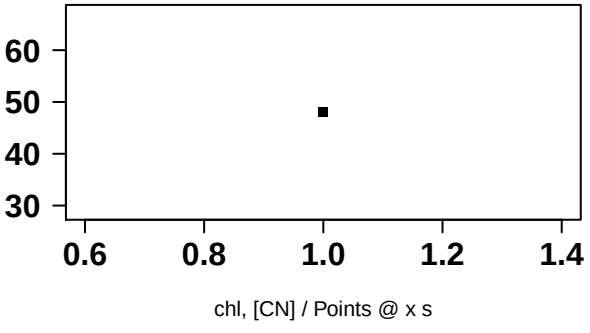
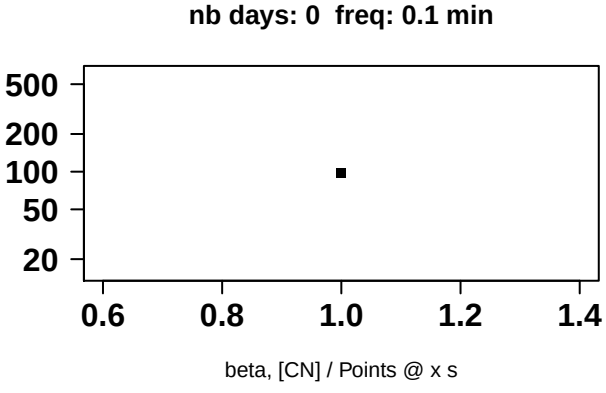
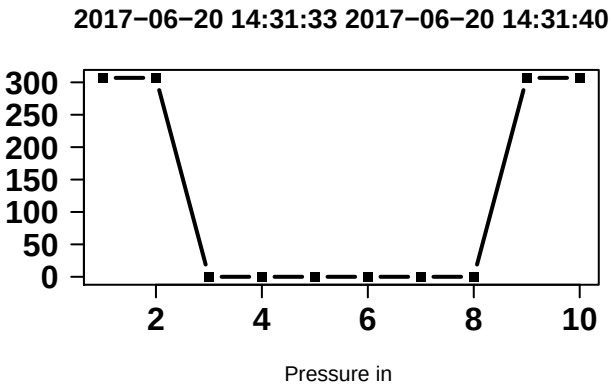
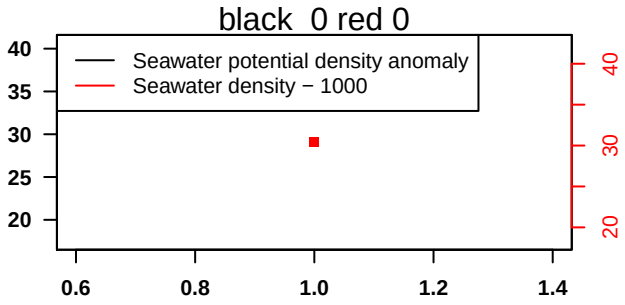
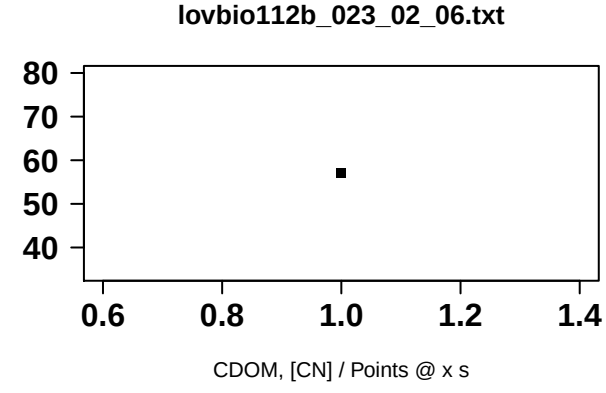
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

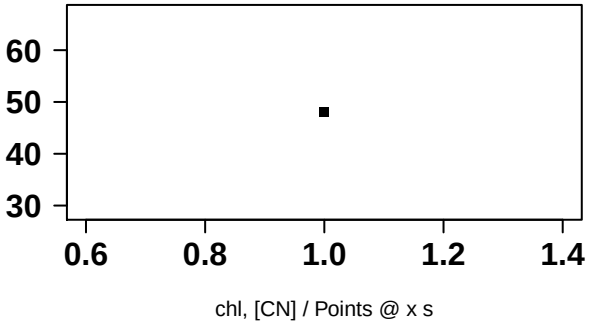

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

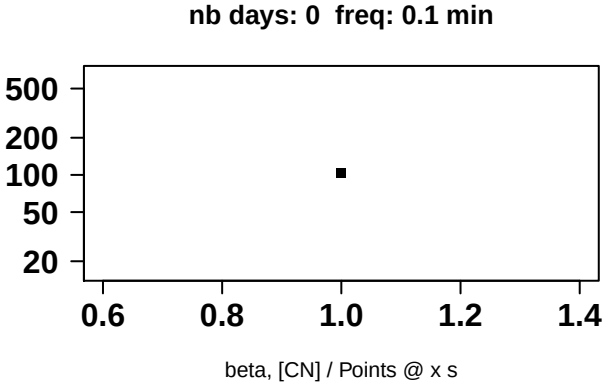

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

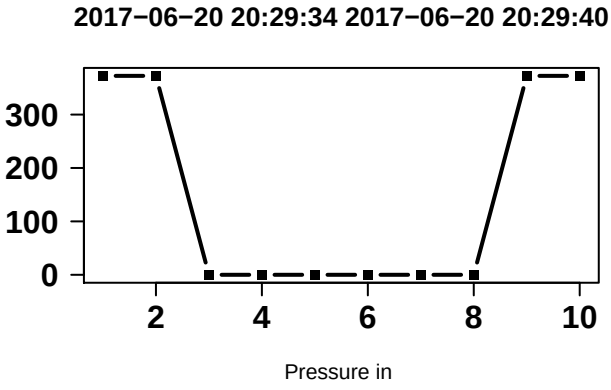

2017−06−20 14:31:33 2017−06−20 14:31:40
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

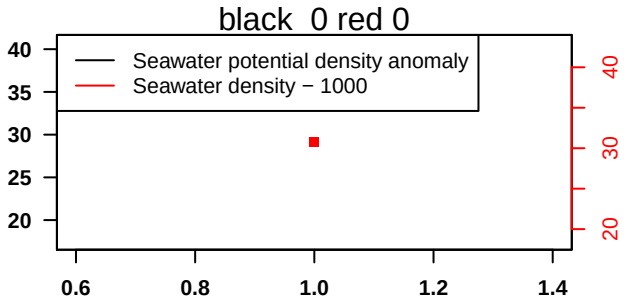

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

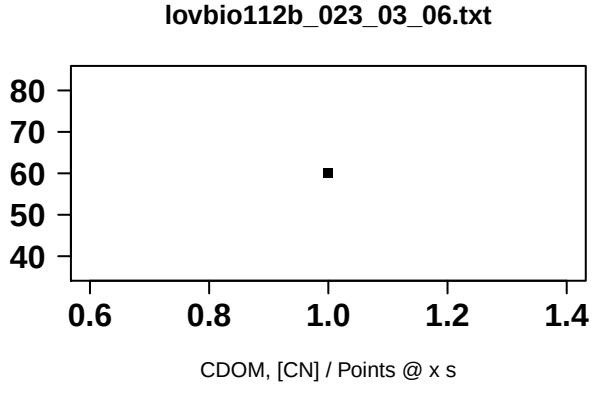

lovbio112b_023_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−06−20 20:29:34 2017−06−20 20:29:40
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_023_03_06.txt
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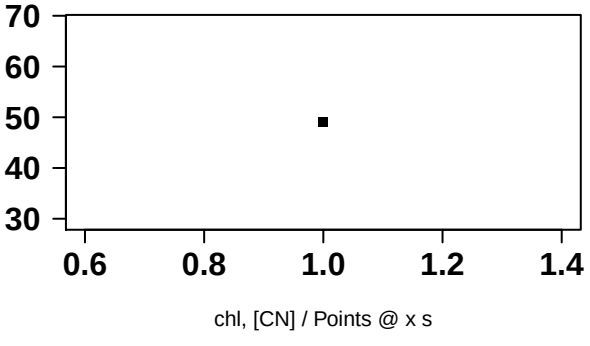
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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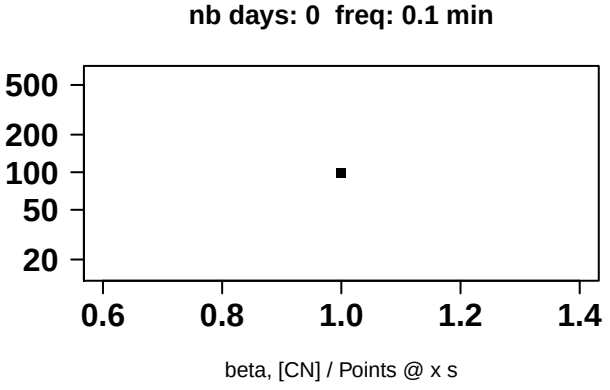
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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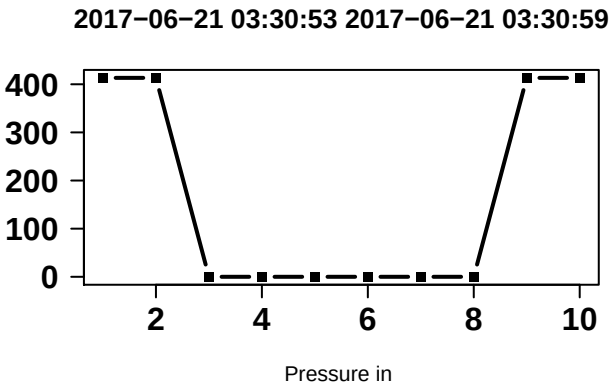
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−21 03:30:53 2017−06−21 03:30:59
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100
0
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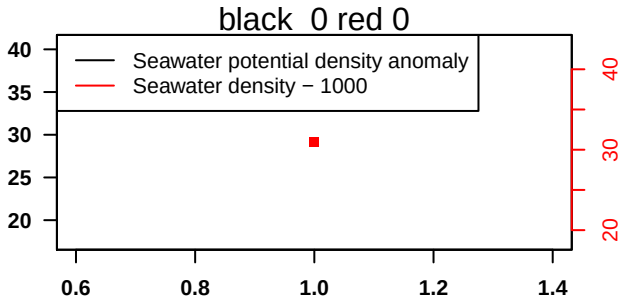
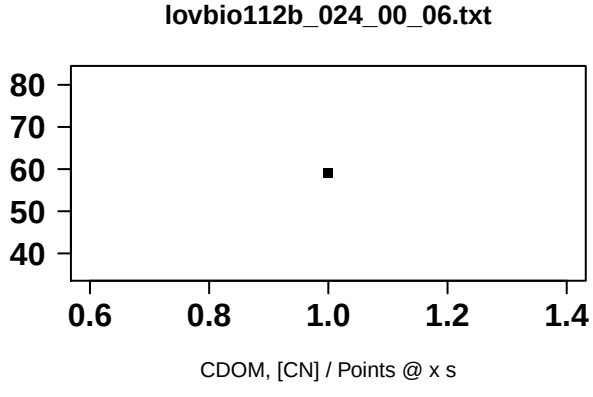
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_024_00_06.txt
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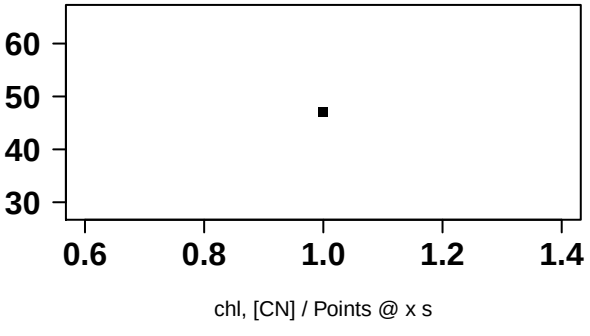
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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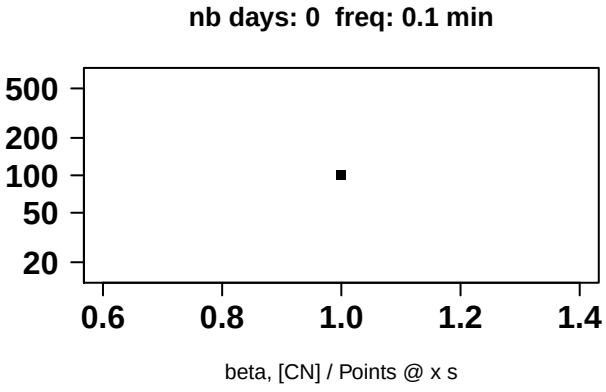
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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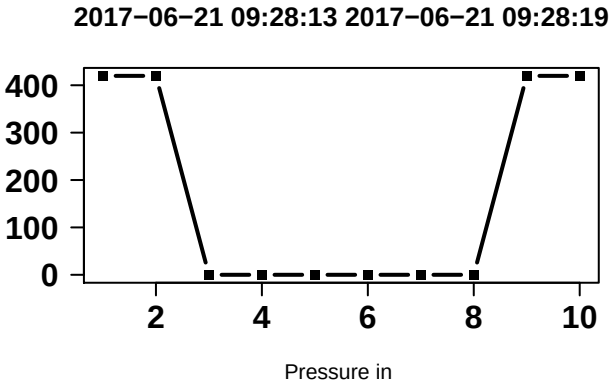
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−21 09:28:13 2017−06−21 09:28:19
400
300
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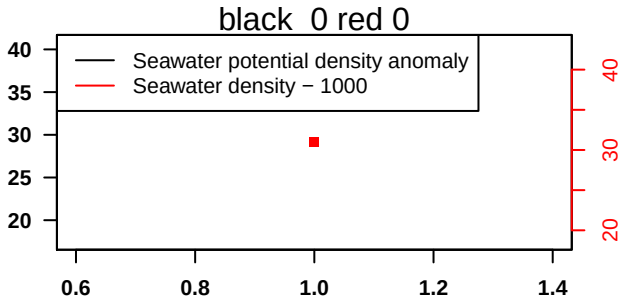
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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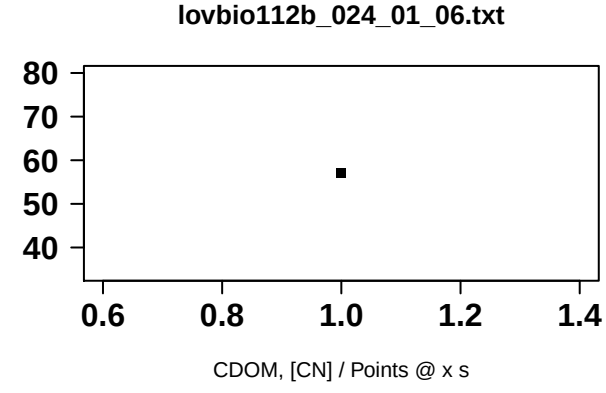
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_024_01_06.txt
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70
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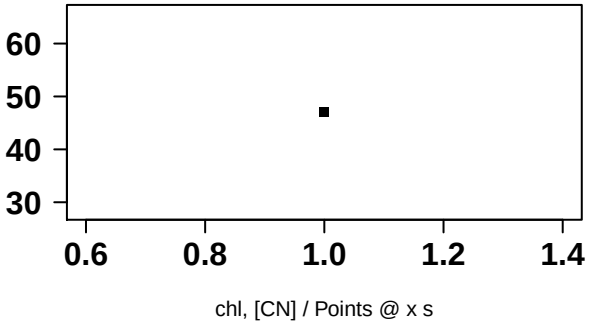
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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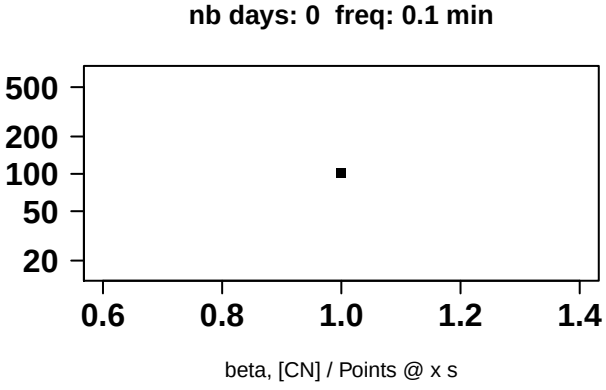
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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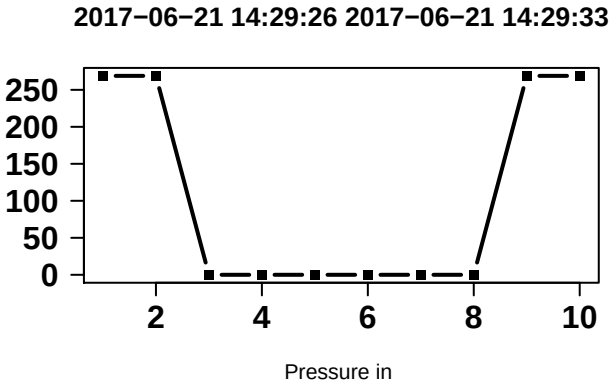
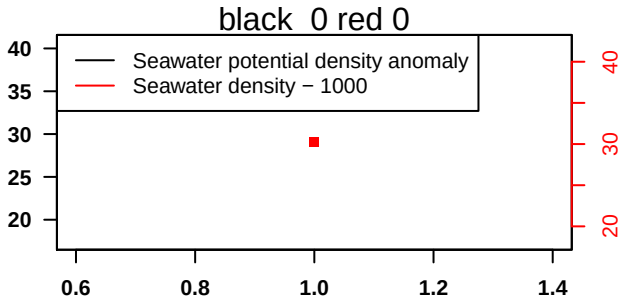
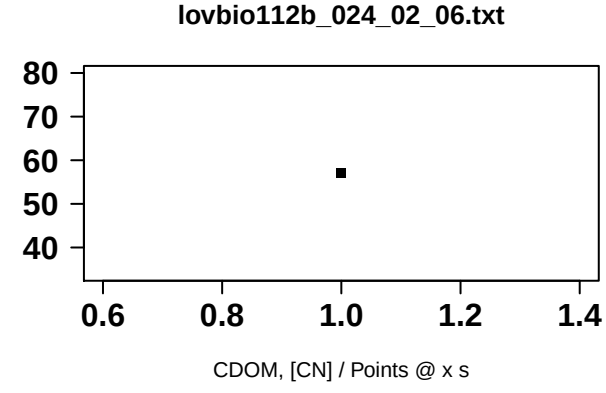
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−21 14:29:26 2017−06−21 14:29:33
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_024_02_06.txt
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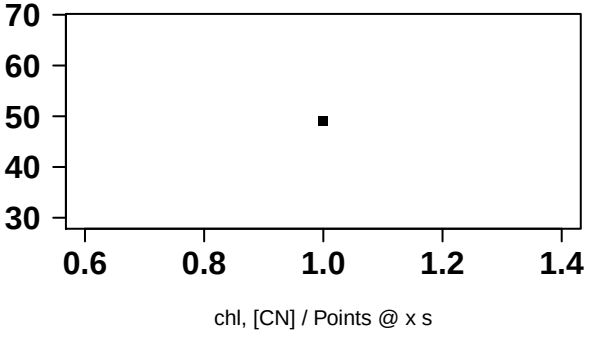
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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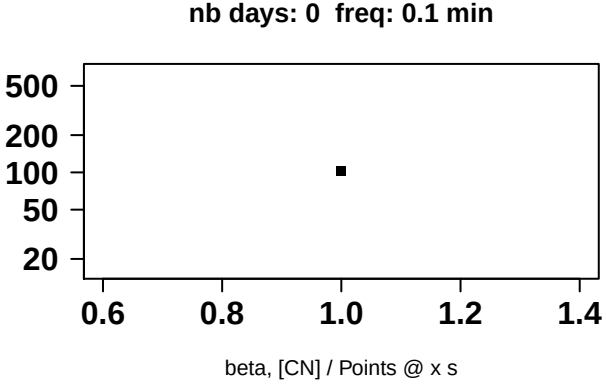
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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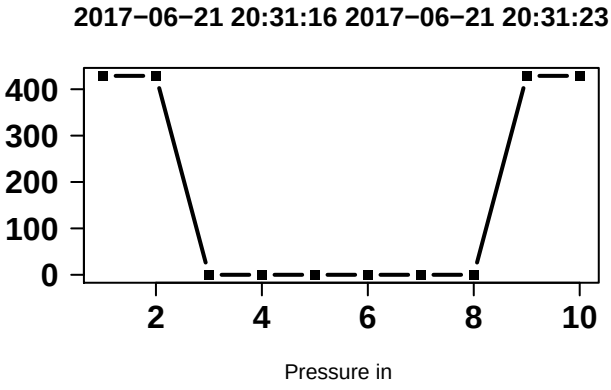
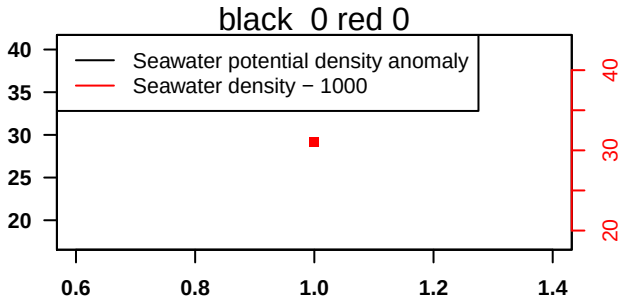
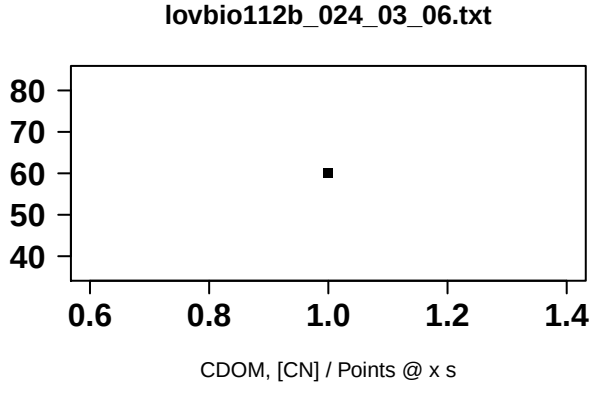
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−21 20:31:16 2017−06−21 20:31:23
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_024_03_06.txt
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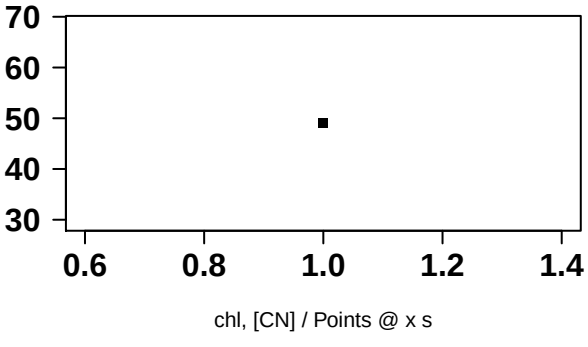
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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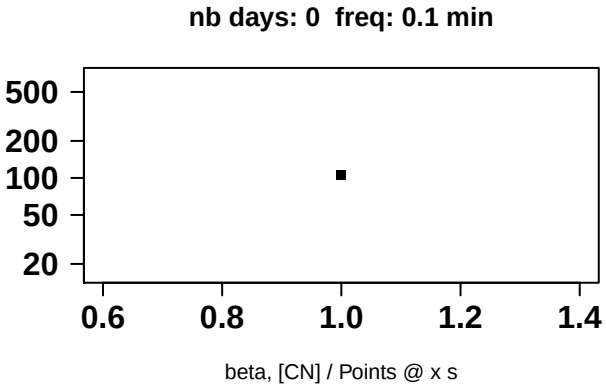
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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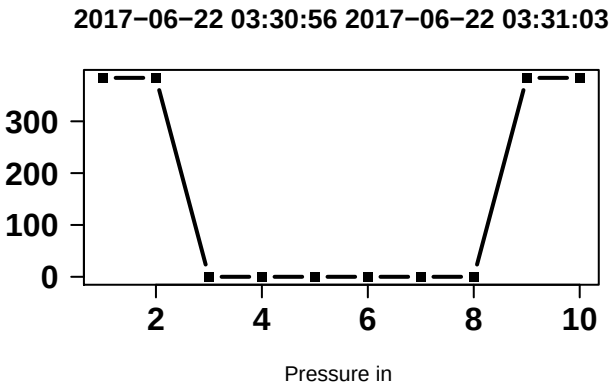
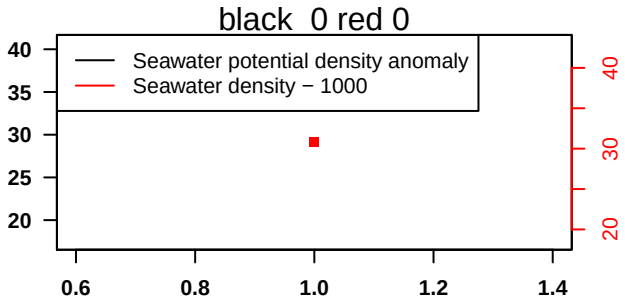
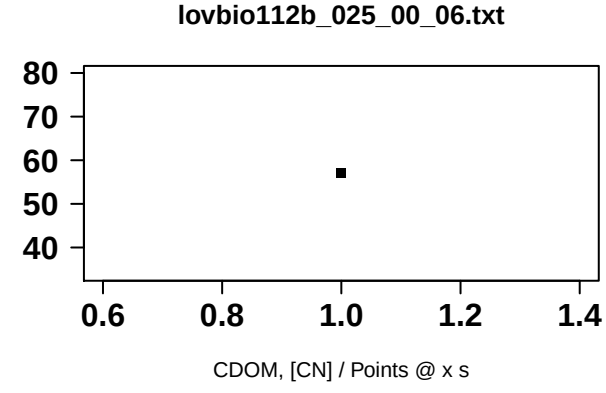
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−22 03:30:56 2017−06−22 03:31:03
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_025_00_06.txt
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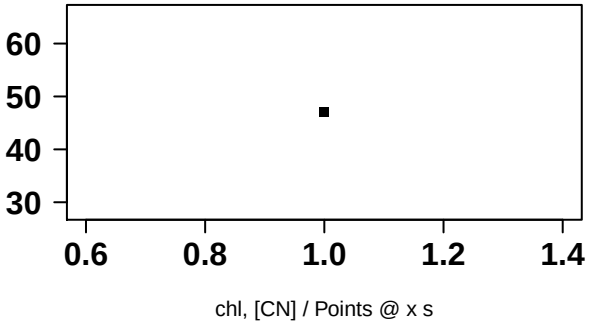
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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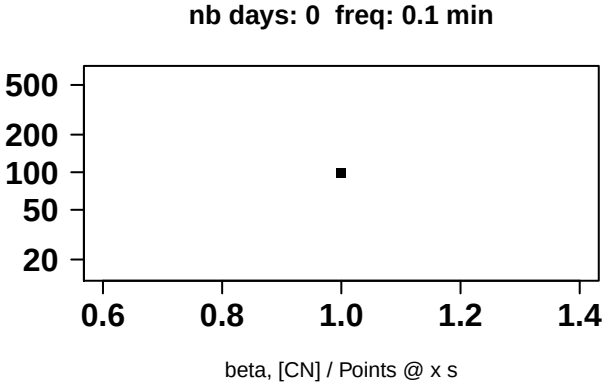
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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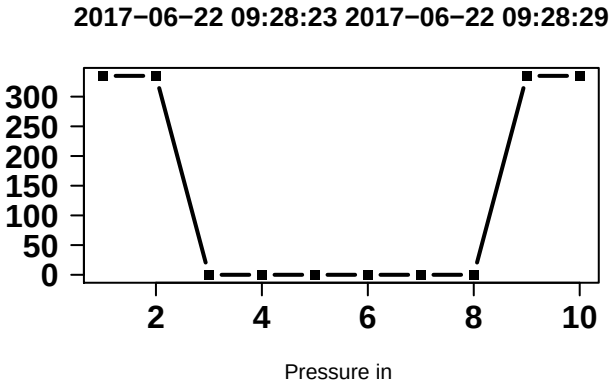
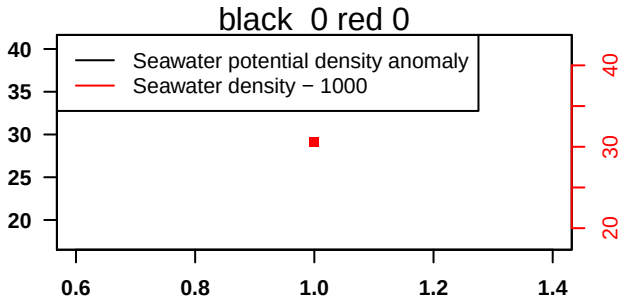
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−22 09:28:23 2017−06−22 09:28:29
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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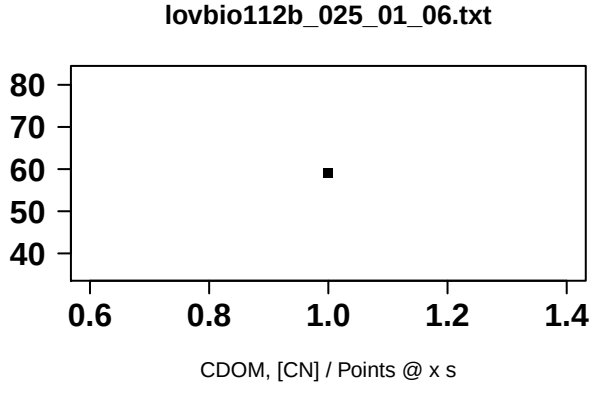
40
30
20


lovbio112b_025_01_06.txt
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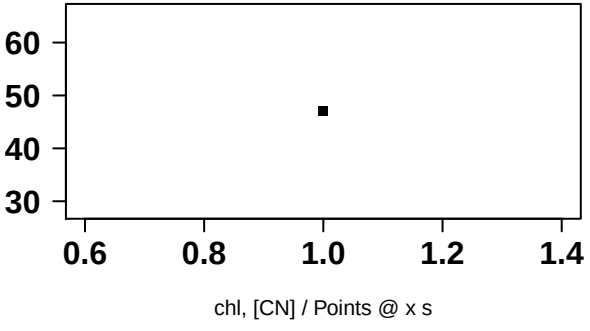
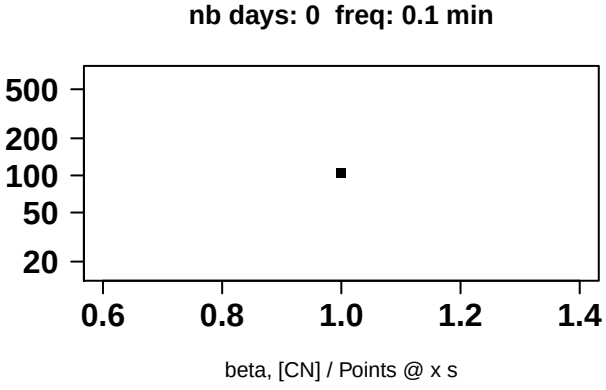
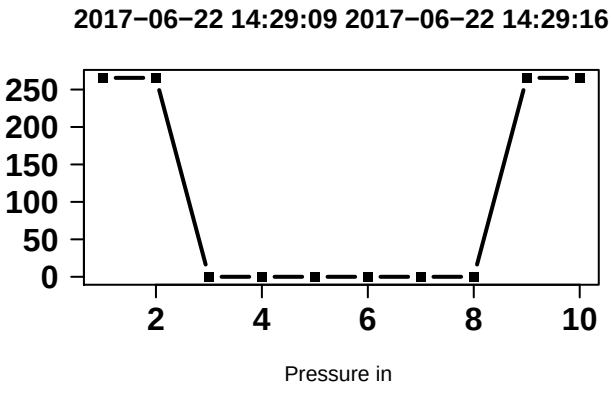
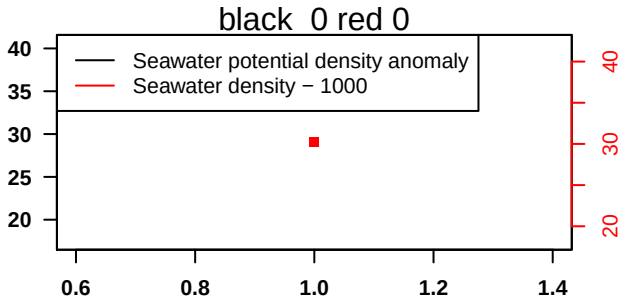
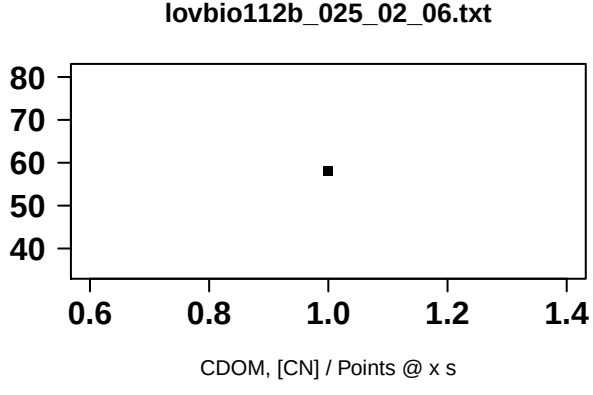
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−06−22 14:29:09 2017−06−22 14:29:16
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_025_02_06.txt
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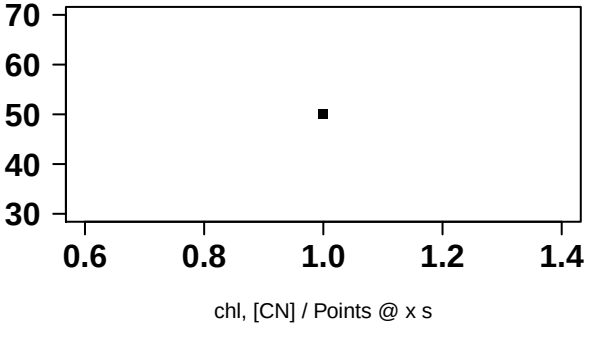
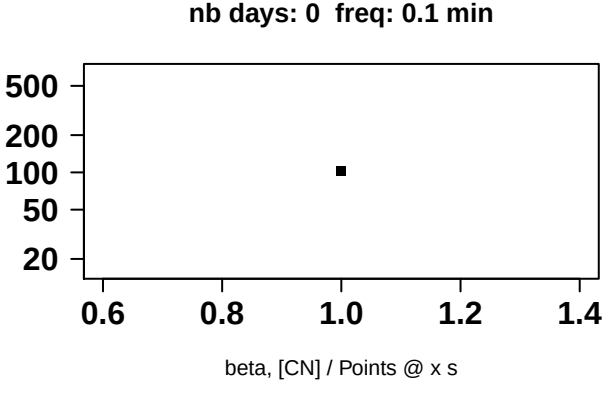
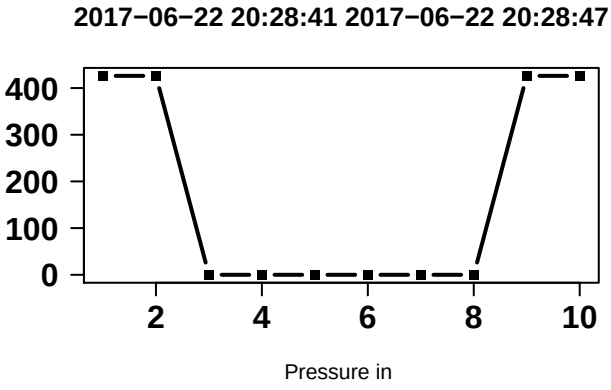
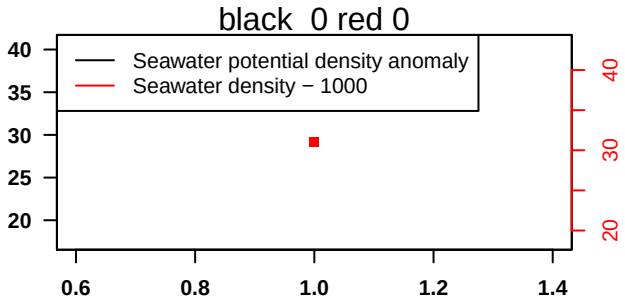
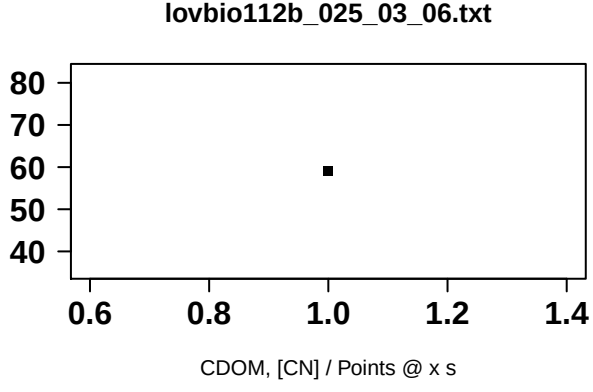
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

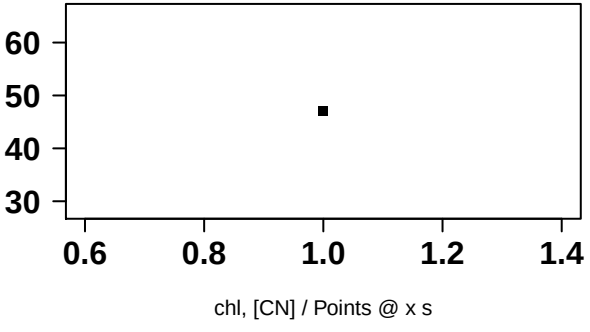

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

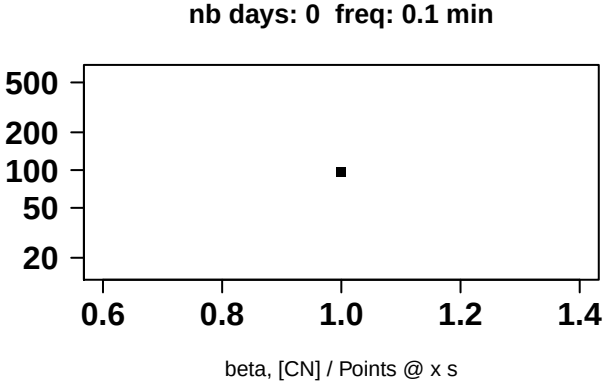

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−22 20:28:41 2017−06−22 20:28:47
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_025_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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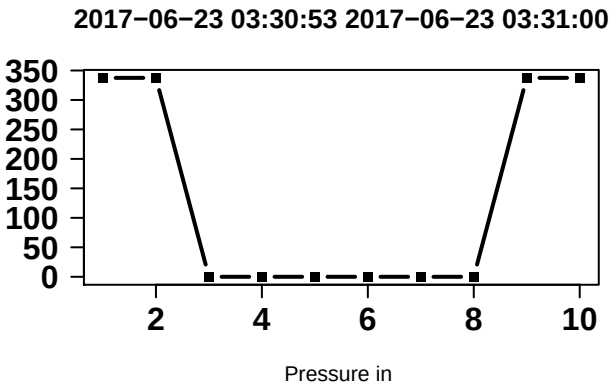
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−23 03:30:53 2017−06−23 03:31:00
350
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200
150
100
50
0
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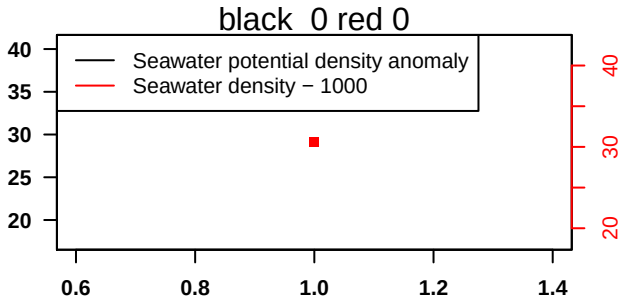
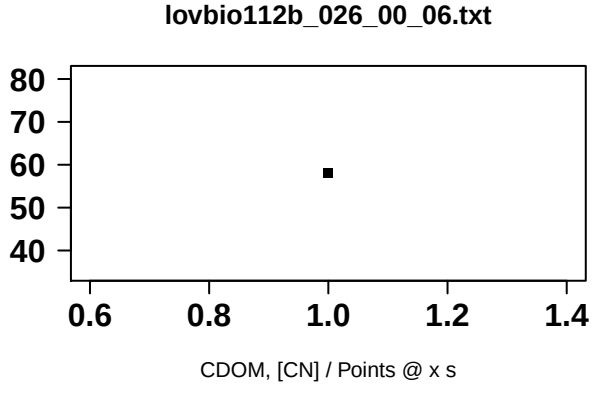
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_026_00_06.txt
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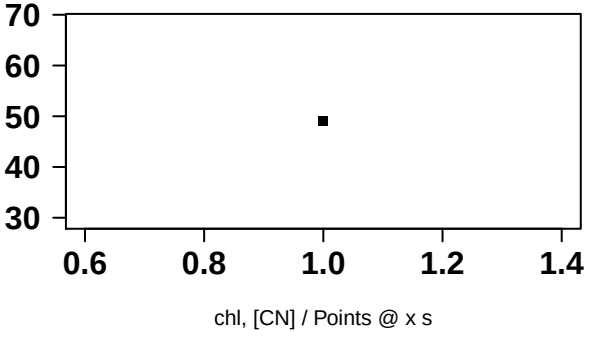
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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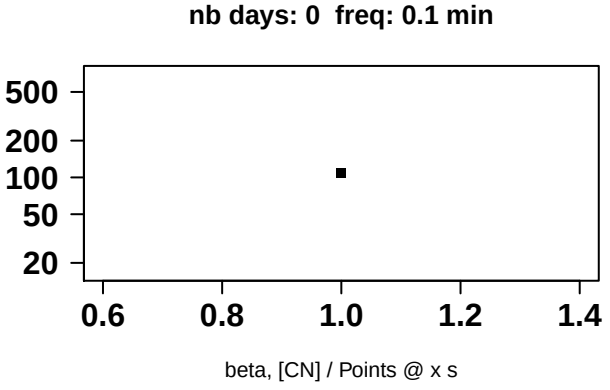
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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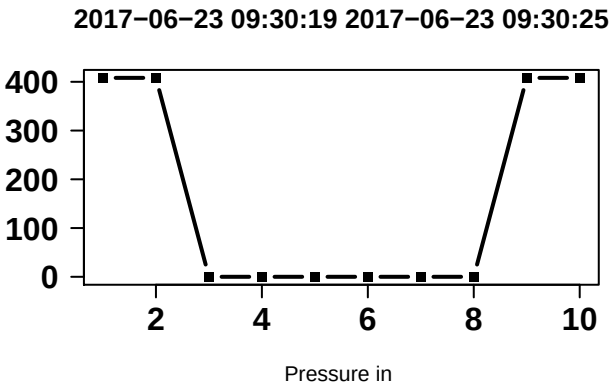
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−23 09:30:19 2017−06−23 09:30:25
400
300
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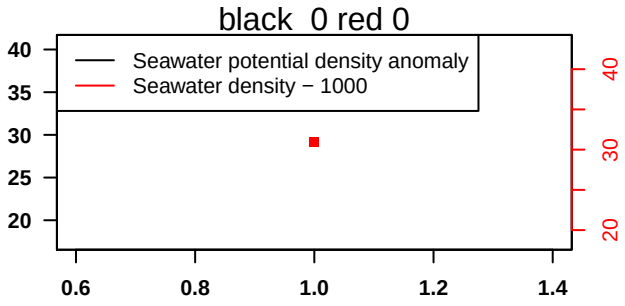
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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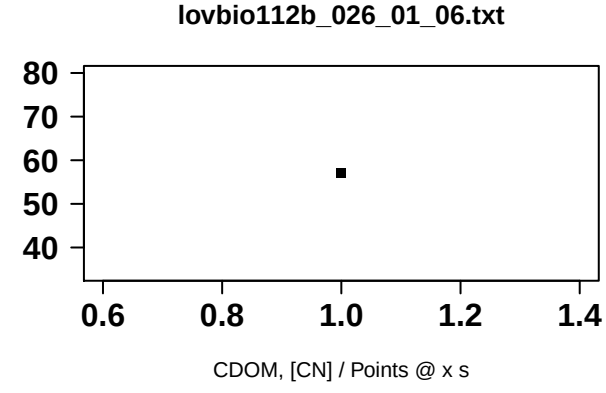
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_026_01_06.txt
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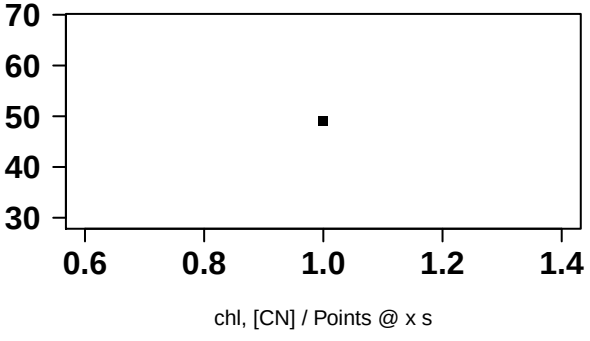
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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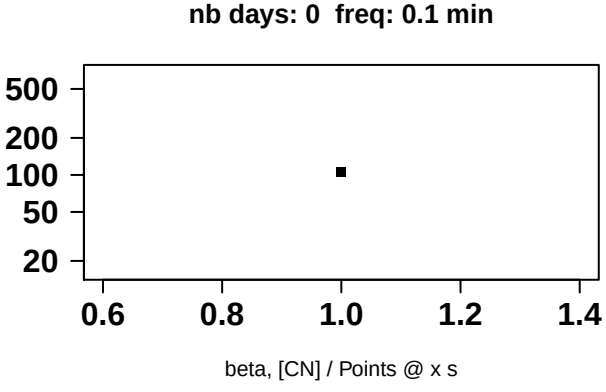
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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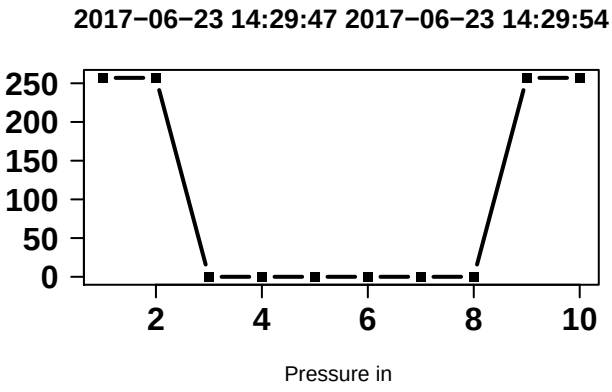
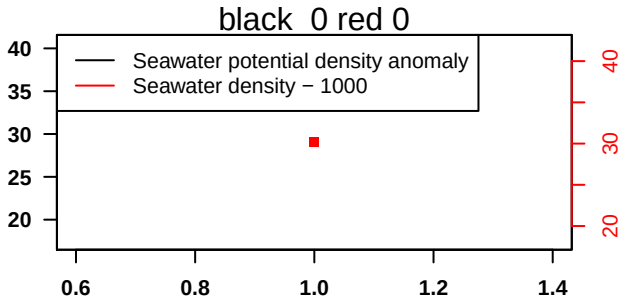
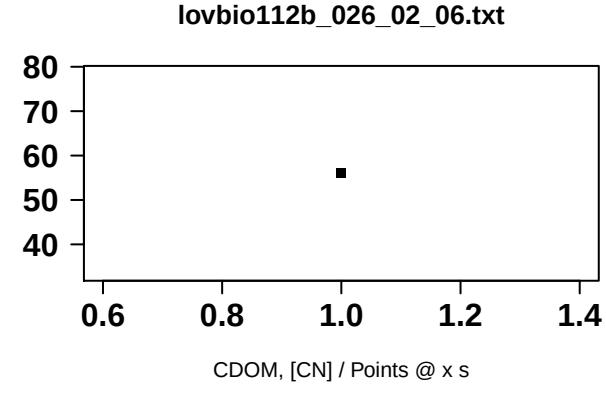
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−23 14:29:47 2017−06−23 14:29:54
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_026_02_06.txt
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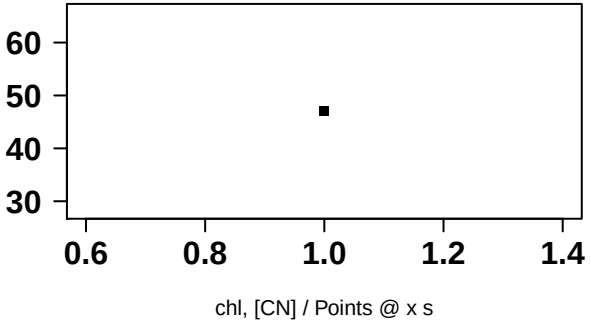
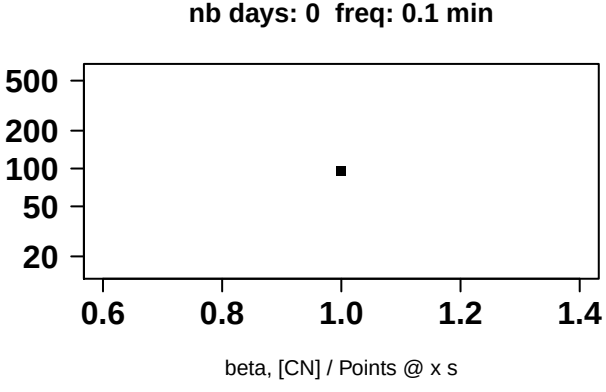
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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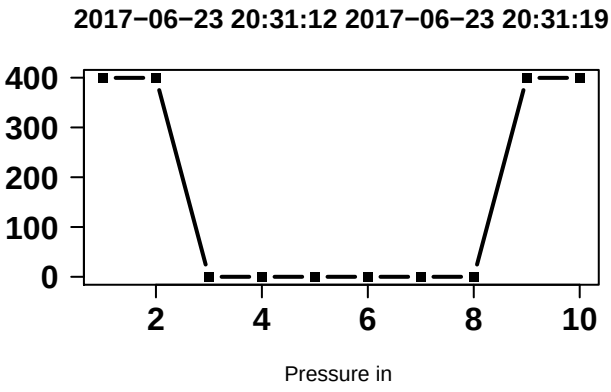
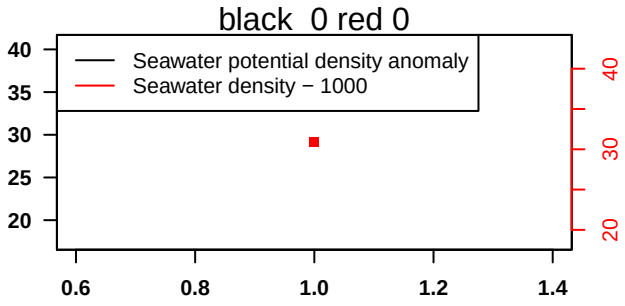
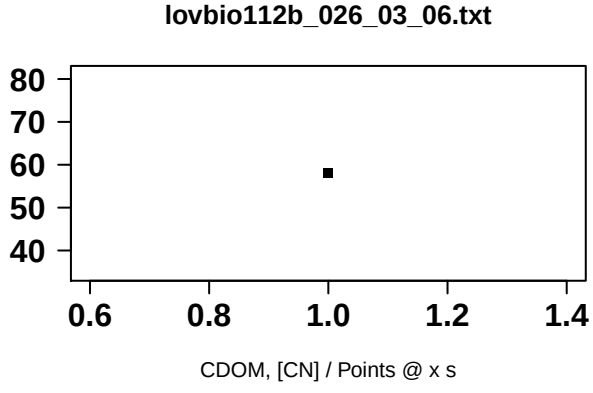
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−23 20:31:12 2017−06−23 20:31:19
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_026_03_06.txt
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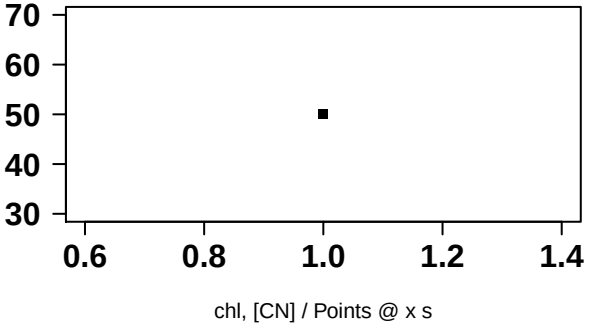
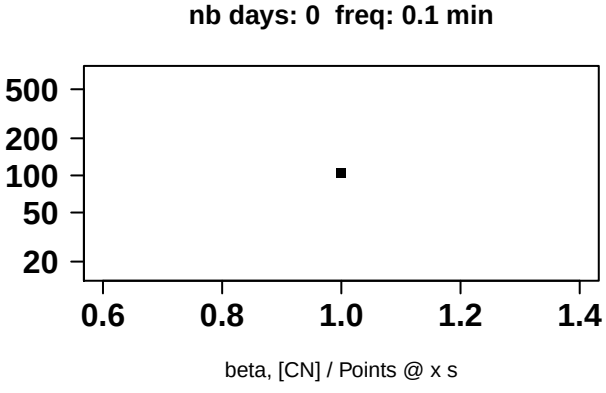
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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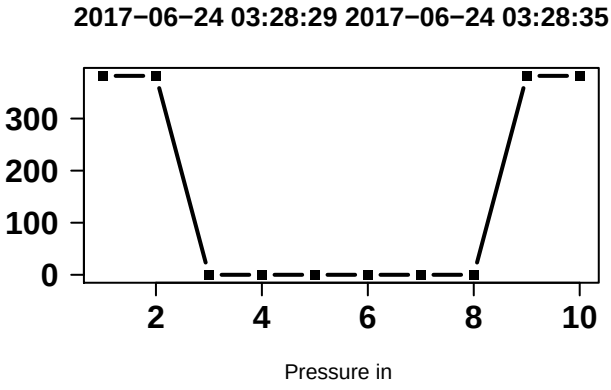
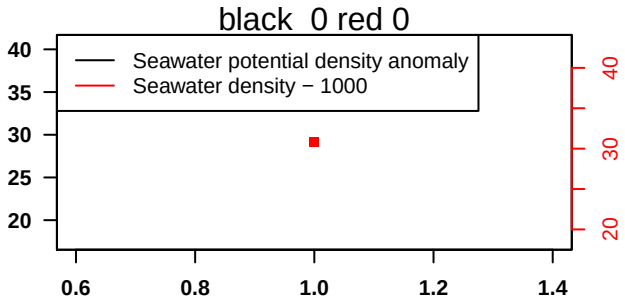
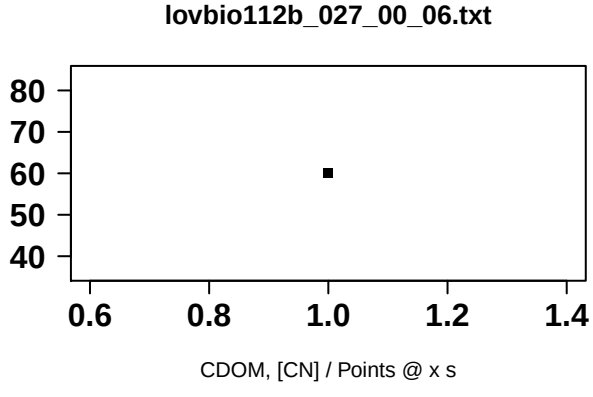
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−24 03:28:29 2017−06−24 03:28:35
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_027_00_06.txt
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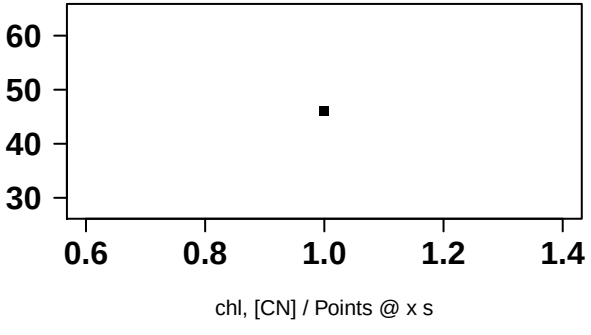
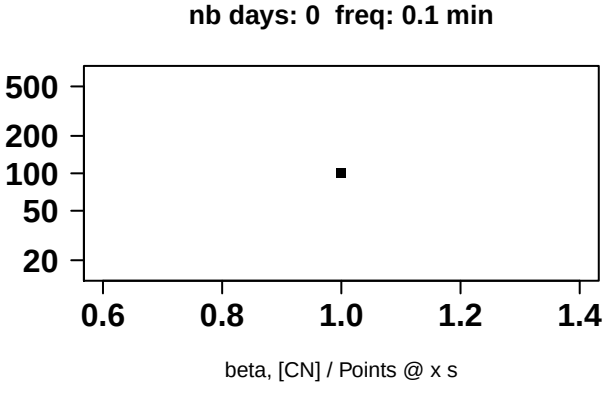
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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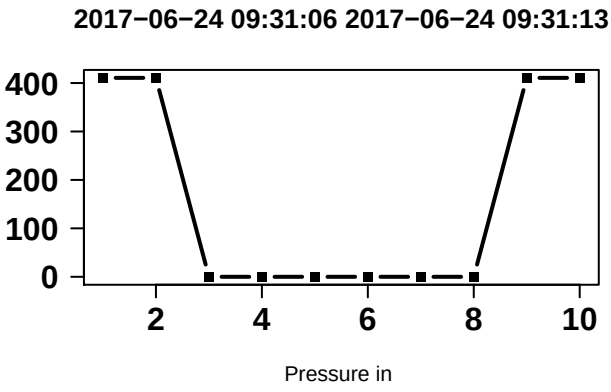
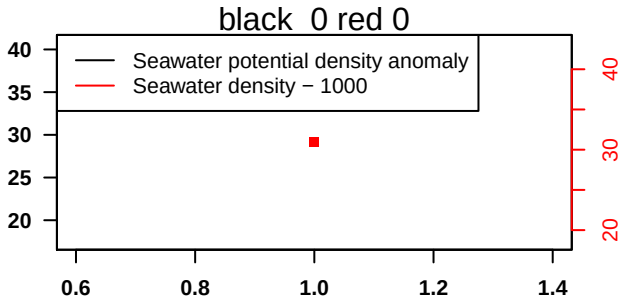
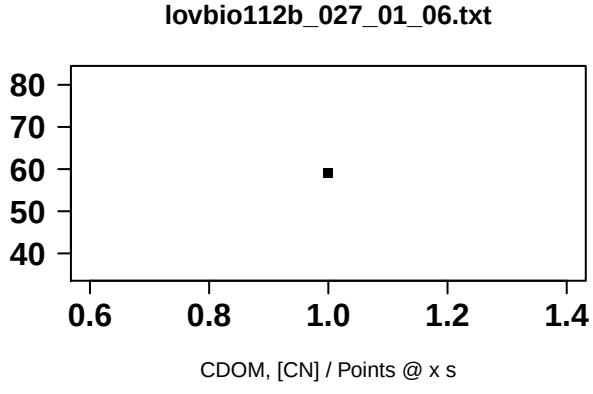
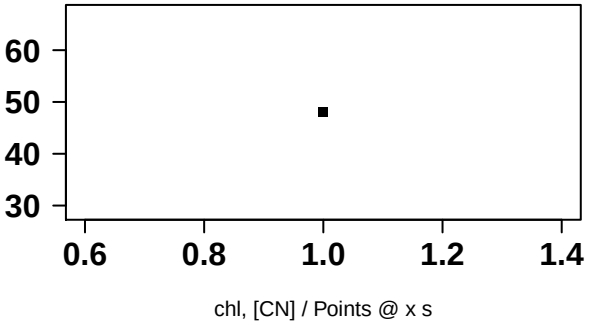
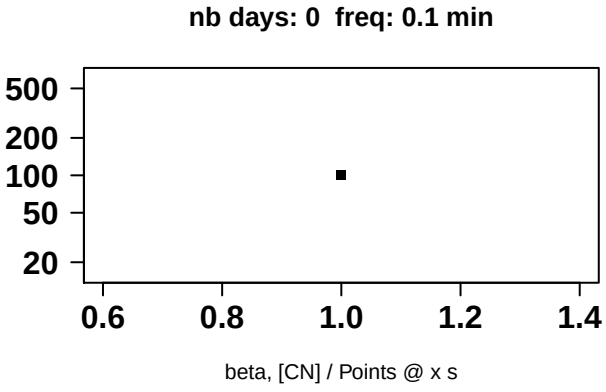
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

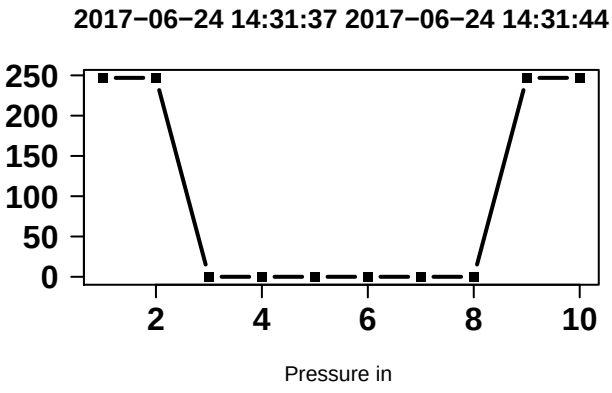

2017−06−24 09:31:06 2017−06−24 09:31:13
400
300
200
100
0
2
4
6
8
10
Pressure in

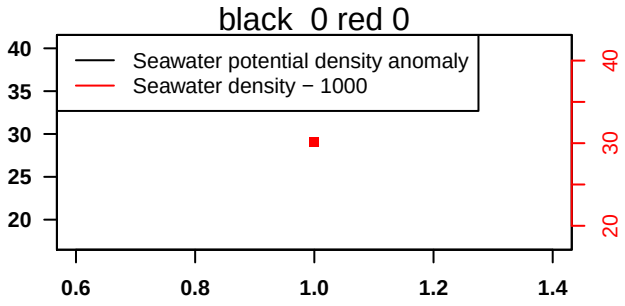

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

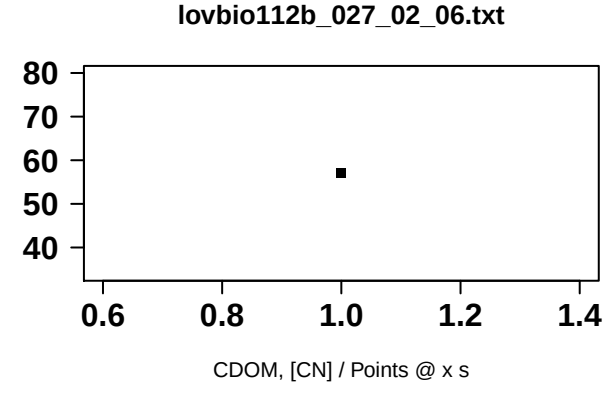

lovbio112b_027_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

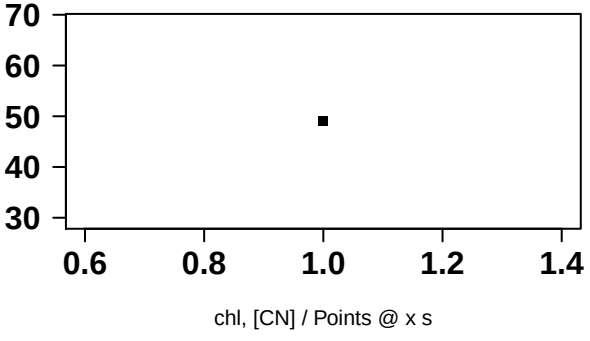

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

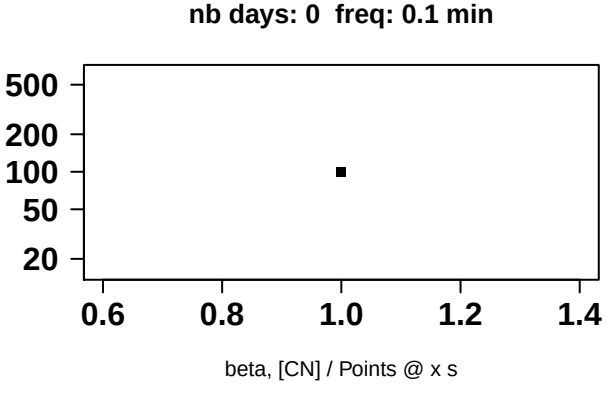

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

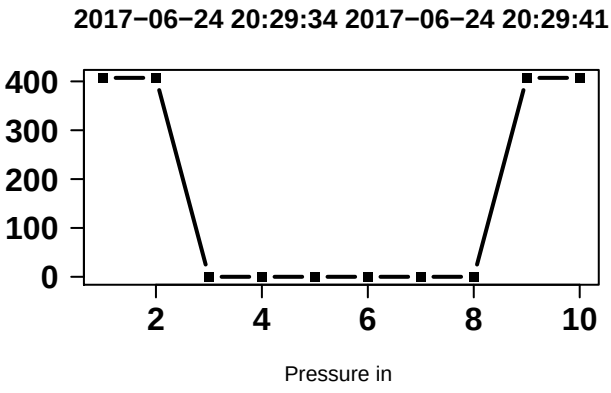

2017−06−24 14:31:37 2017−06−24 14:31:44
250
200
150
100
50
0
2
4
6
8
10
Pressure in

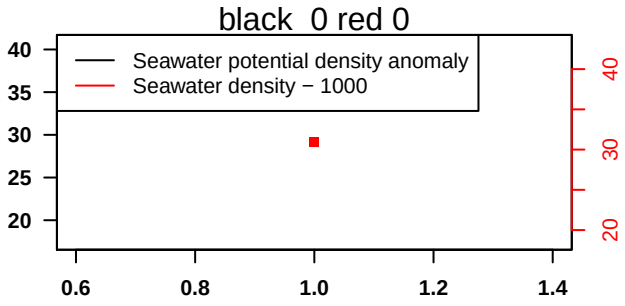

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

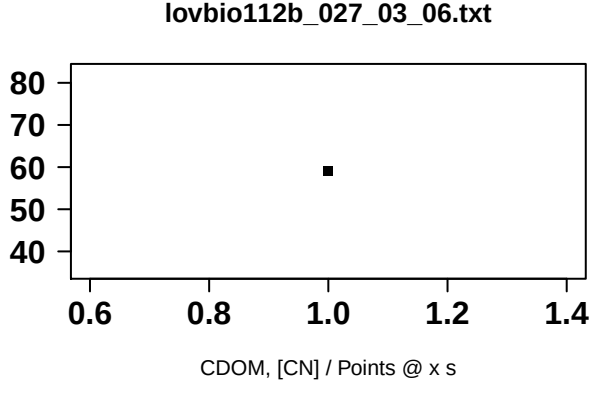

lovbio112b_027_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

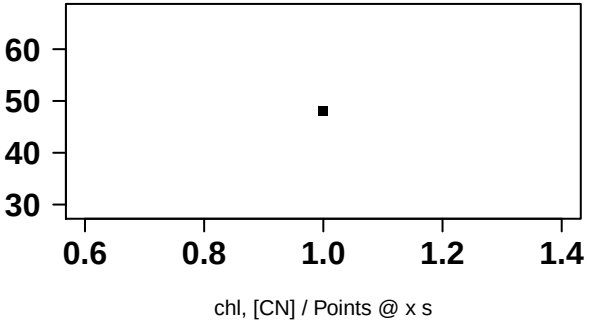

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

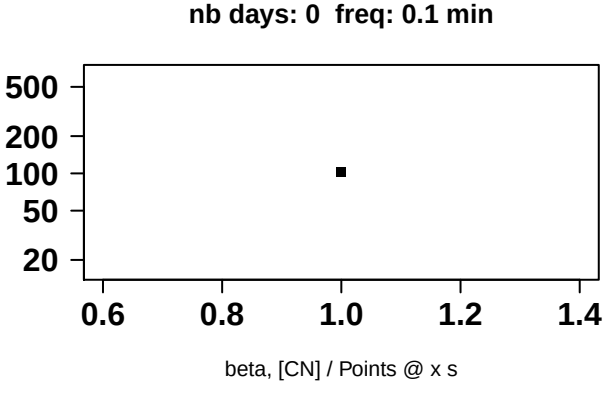

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−24 20:29:34 2017−06−24 20:29:41
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_027_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
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50
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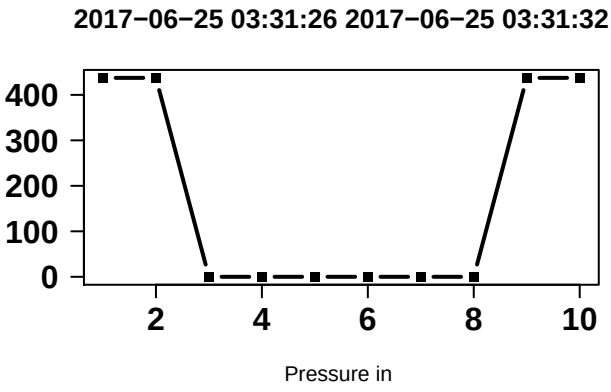
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−25 03:31:26 2017−06−25 03:31:32
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0
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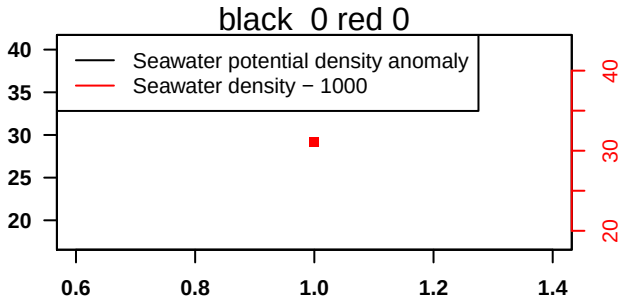
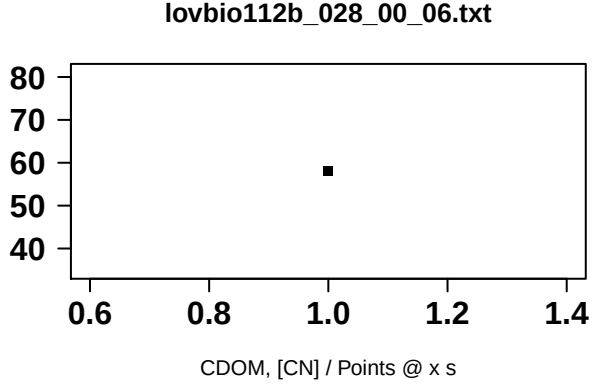
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_028_00_06.txt
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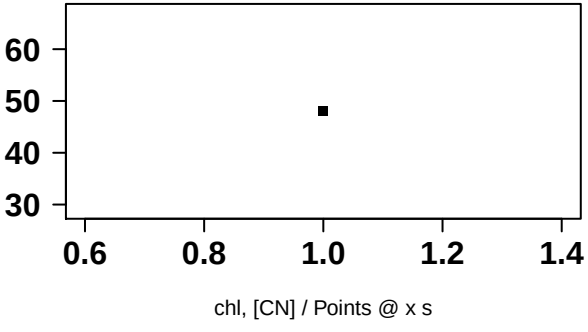
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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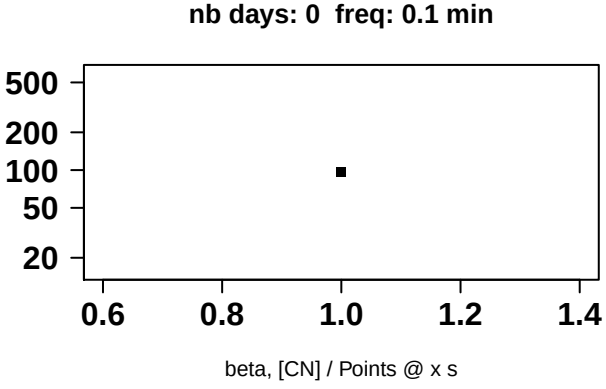
1.2
1.4
chl, [CN] / Points @ x s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200
100
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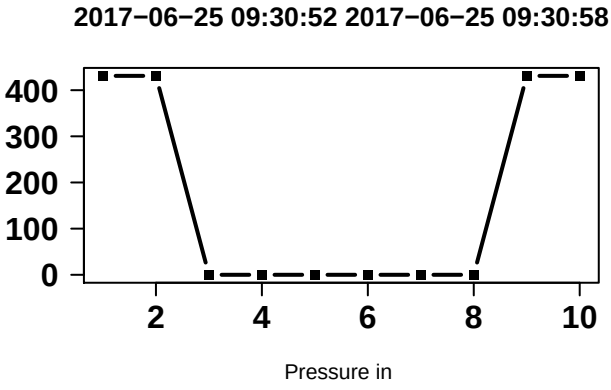
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−25 09:30:52 2017−06−25 09:30:58
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0
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4
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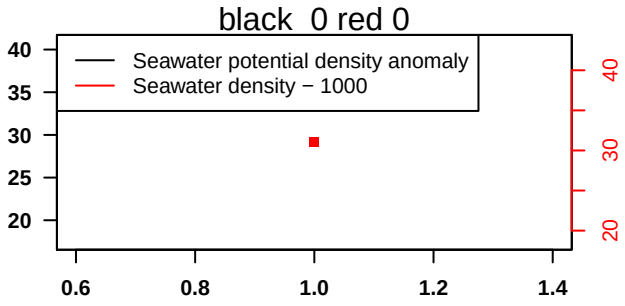
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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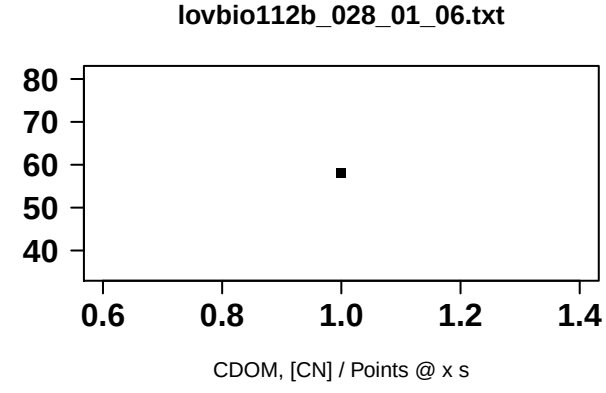
40
30
20


lovbio112b_028_01_06.txt
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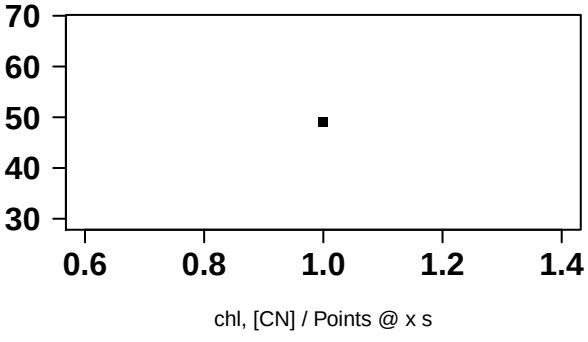
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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40
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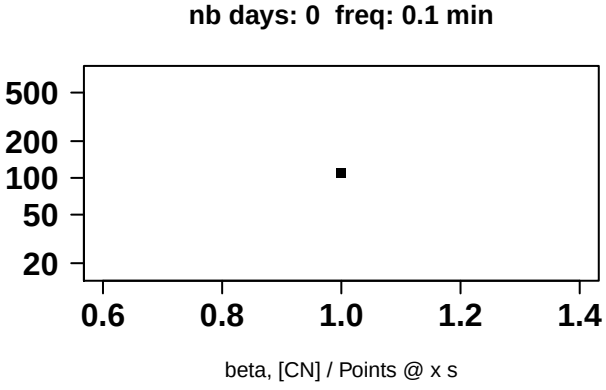
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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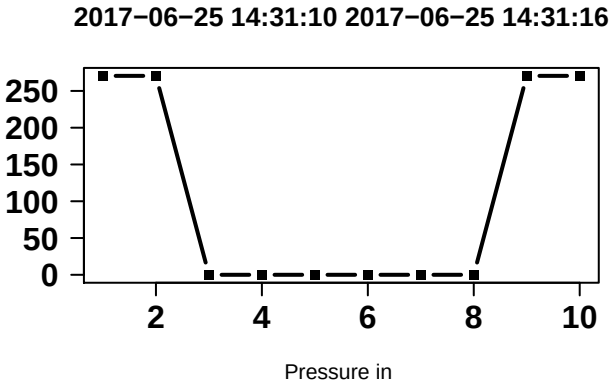
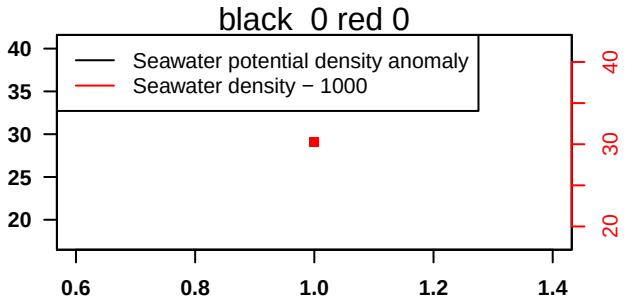
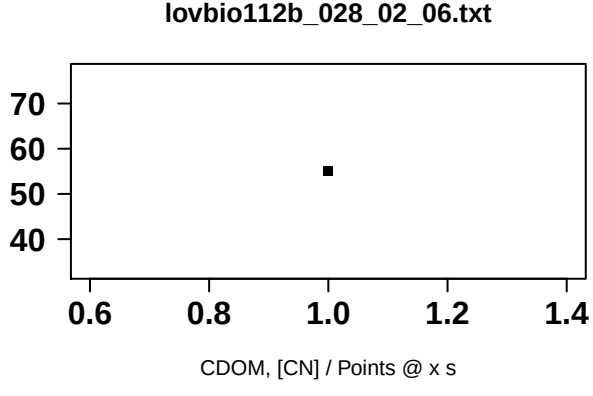
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−25 14:31:10 2017−06−25 14:31:16
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_028_02_06.txt
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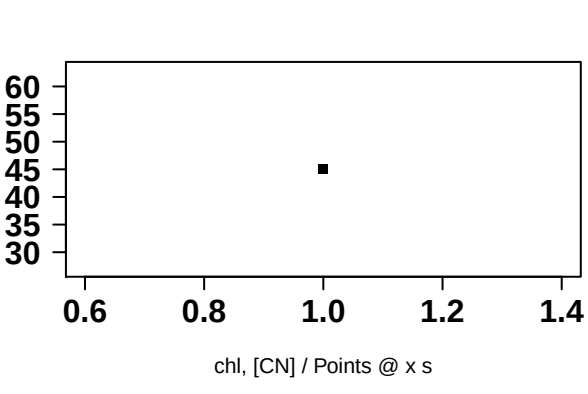
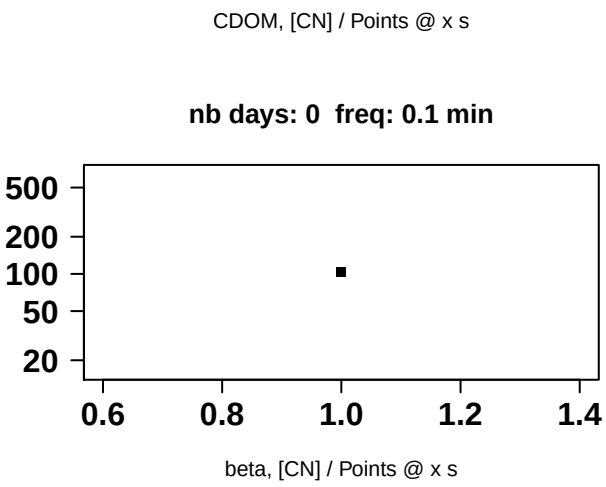
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
55
50
45
40
35
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
50
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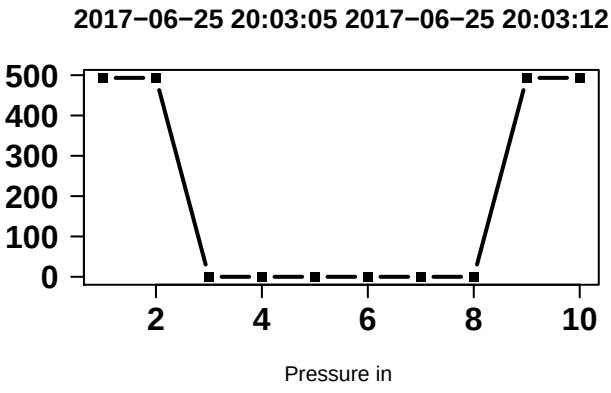
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−25 20:03:05 2017−06−25 20:03:12
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400
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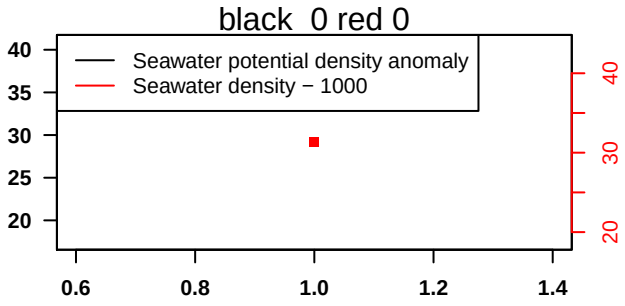
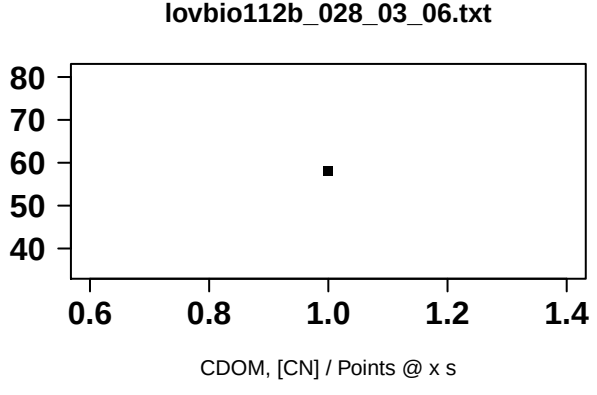
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_028_03_06.txt
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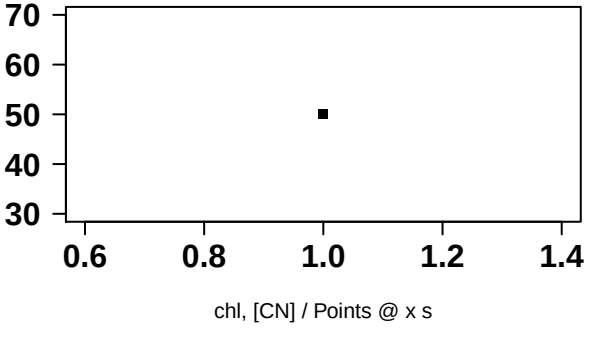
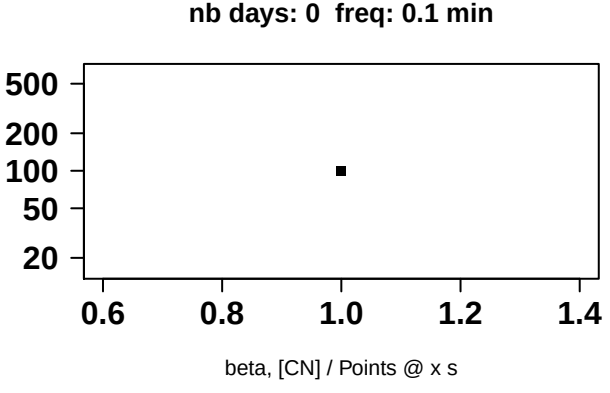
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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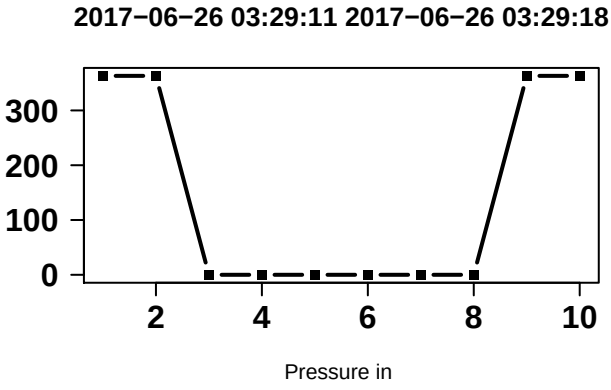
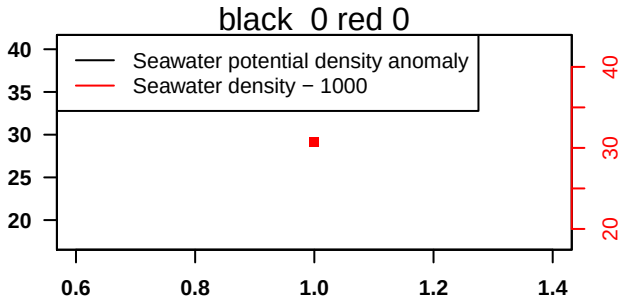
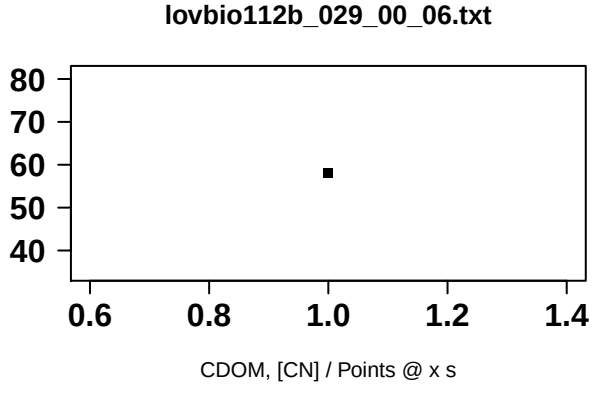
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−26 03:29:11 2017−06−26 03:29:18
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_029_00_06.txt
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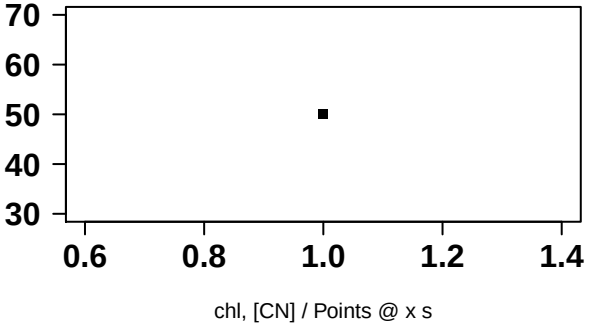
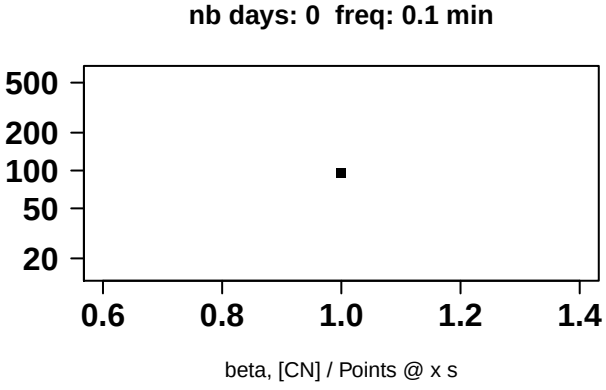
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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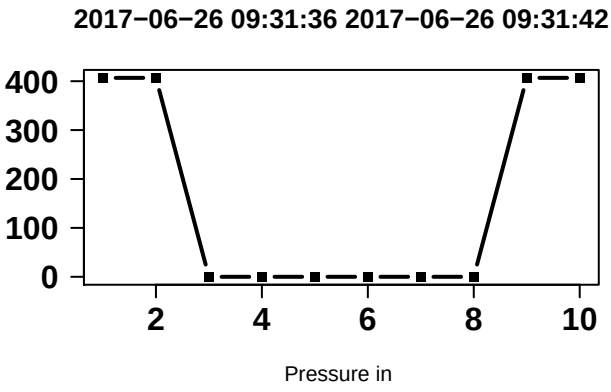
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−26 09:31:36 2017−06−26 09:31:42
400
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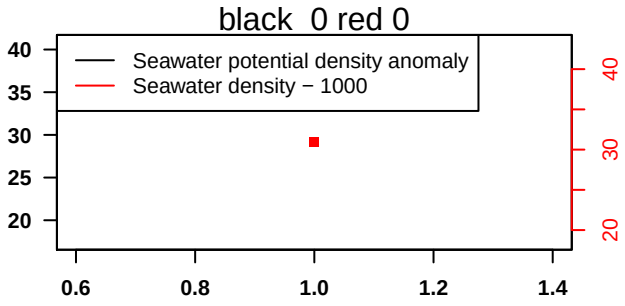
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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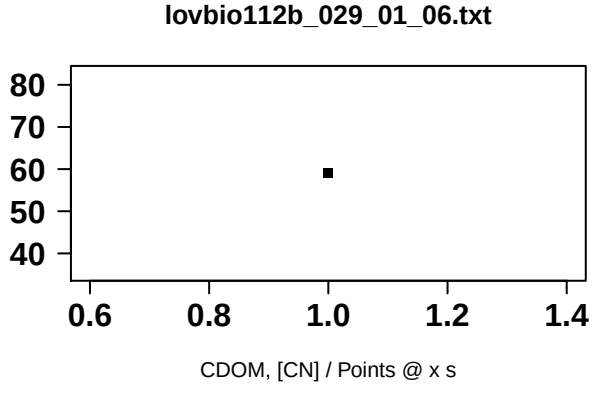
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_029_01_06.txt
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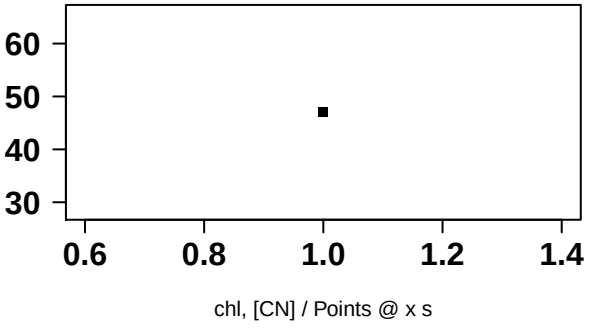
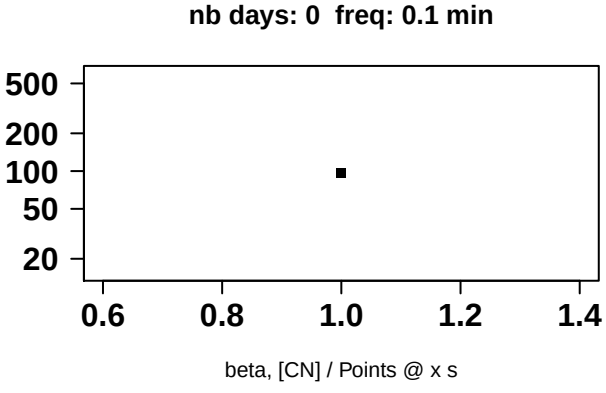
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
50
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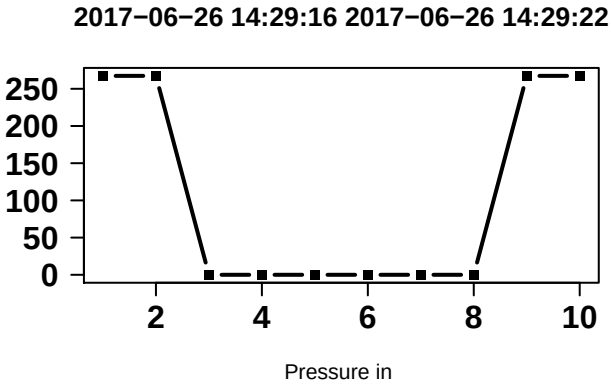
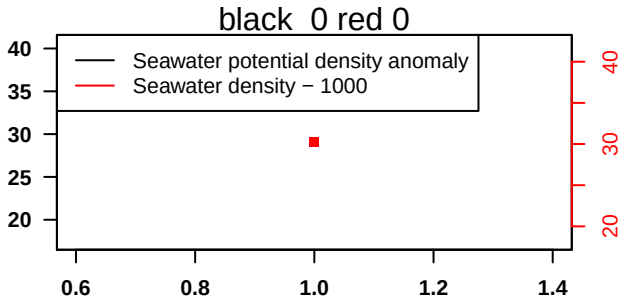
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−26 14:29:16 2017−06−26 14:29:22
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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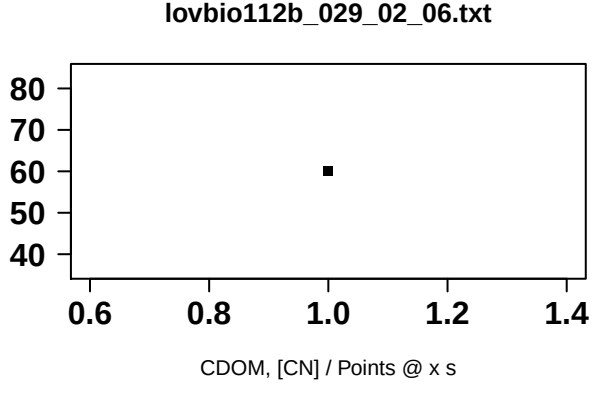
40
30
20


lovbio112b_029_02_06.txt
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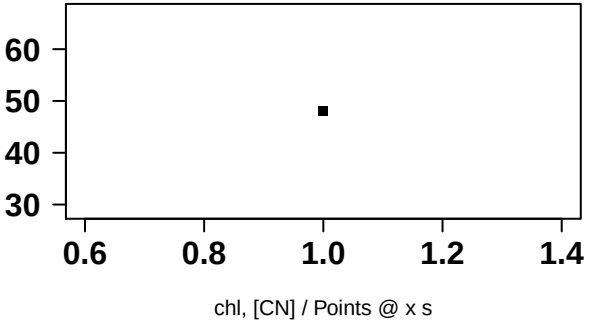
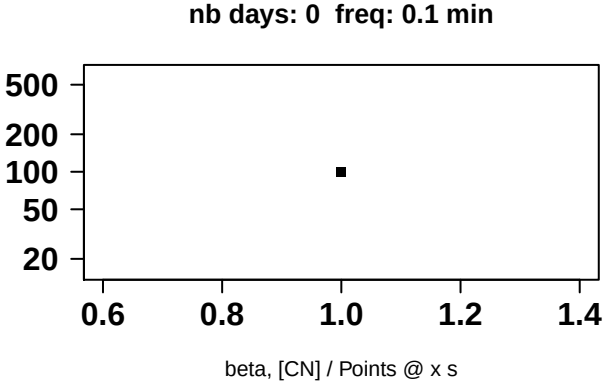
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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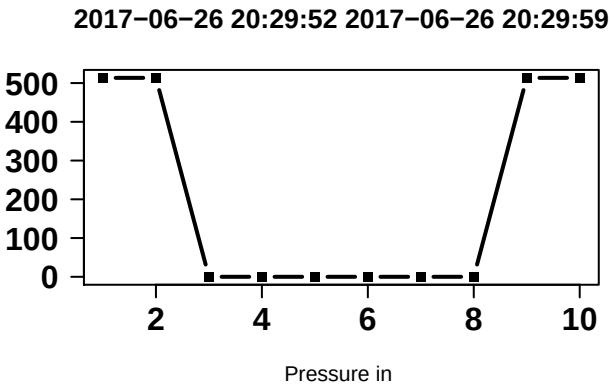
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−26 20:29:52 2017−06−26 20:29:59
500
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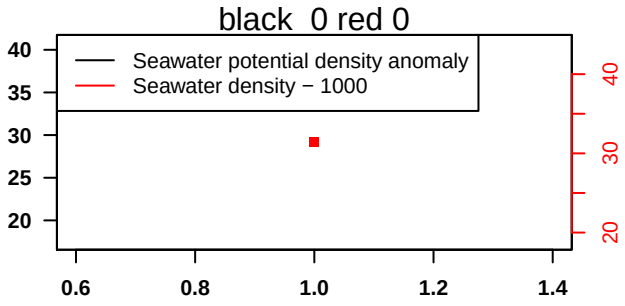
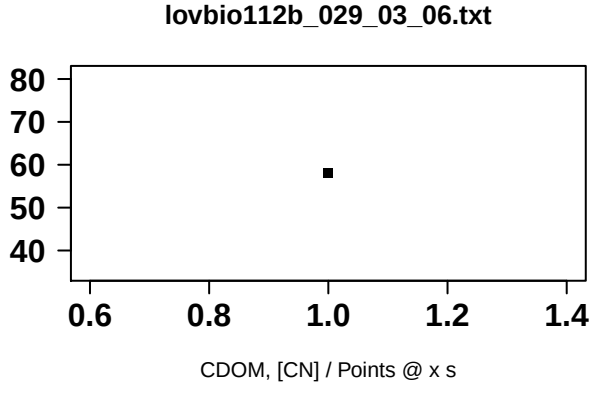
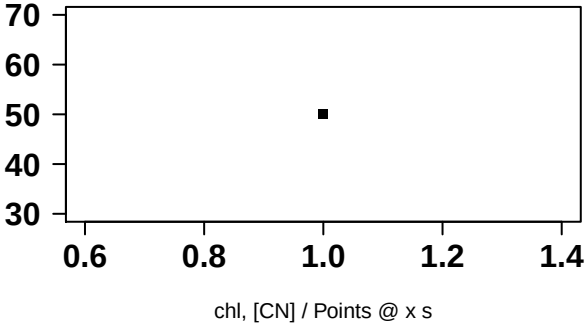
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_029_03_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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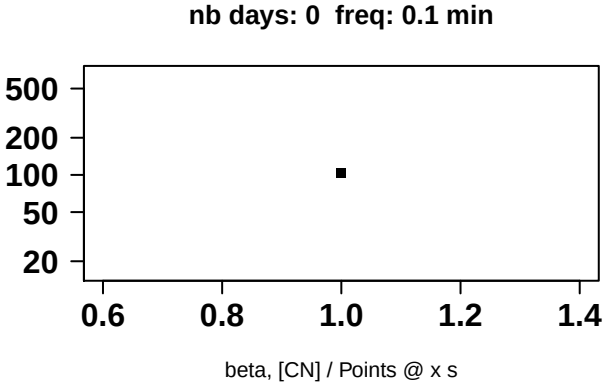
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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50
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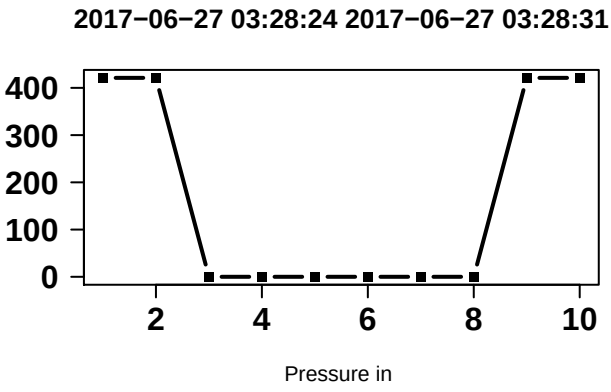
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−27 03:28:24 2017−06−27 03:28:31
400
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100
0
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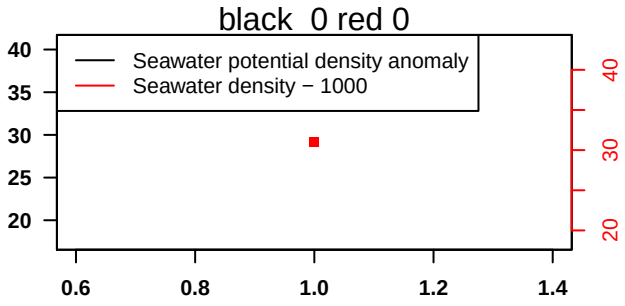
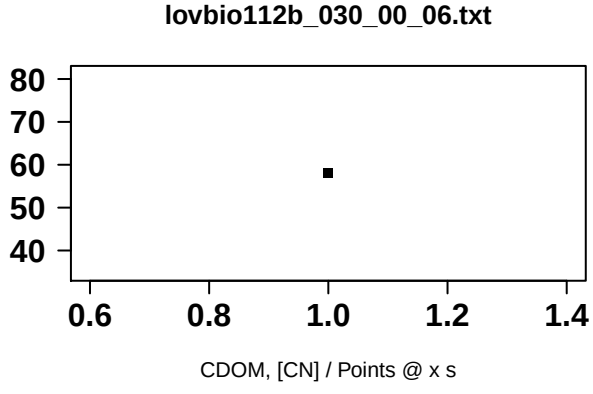
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_030_00_06.txt
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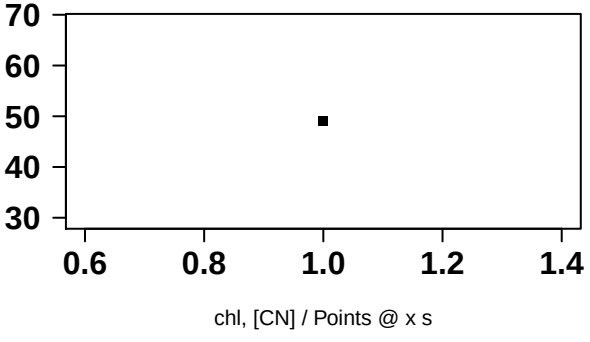
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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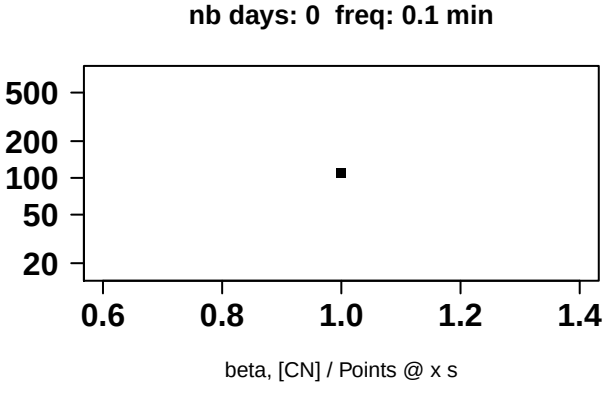
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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50
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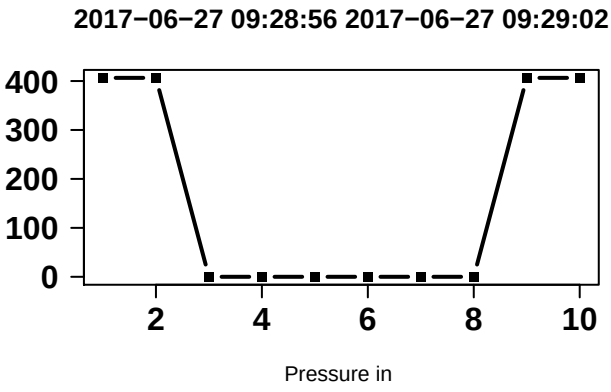
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−27 09:28:56 2017−06−27 09:29:02
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100
0
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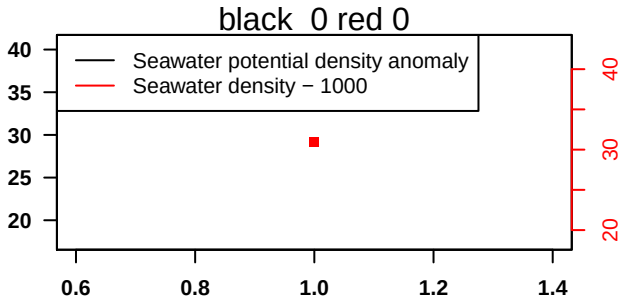
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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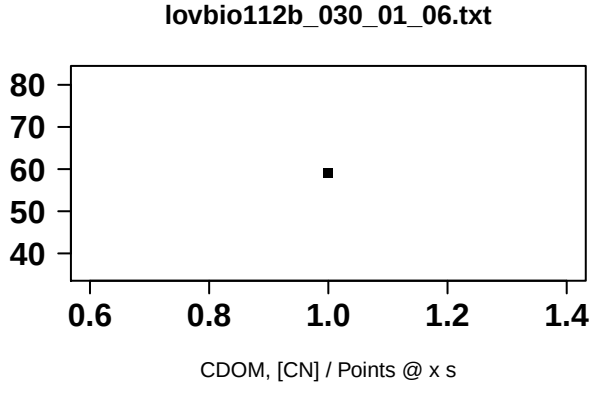
40
30
20


lovbio112b_030_01_06.txt
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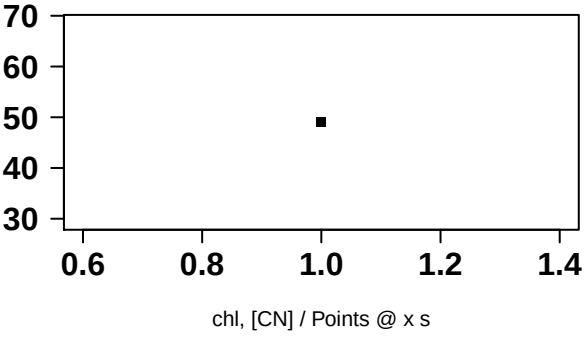
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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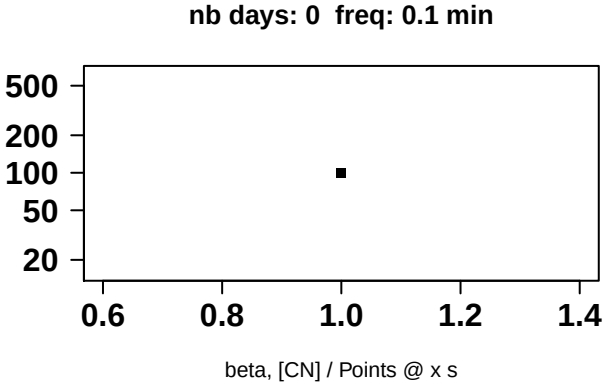
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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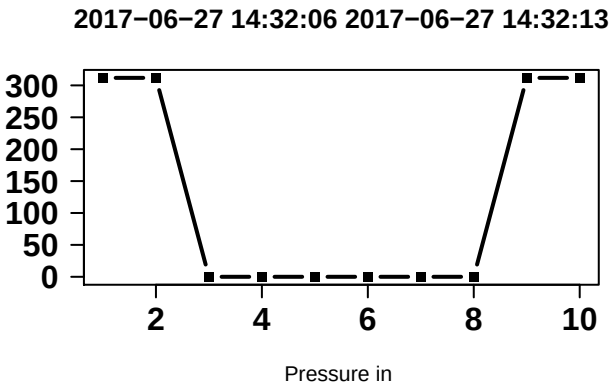
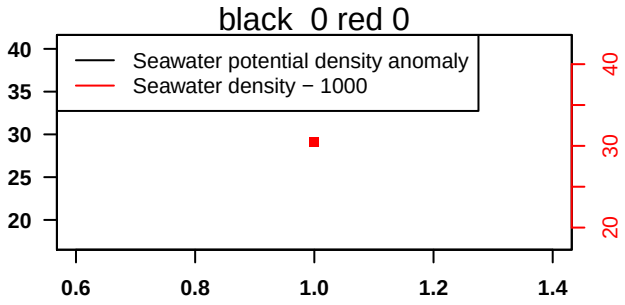
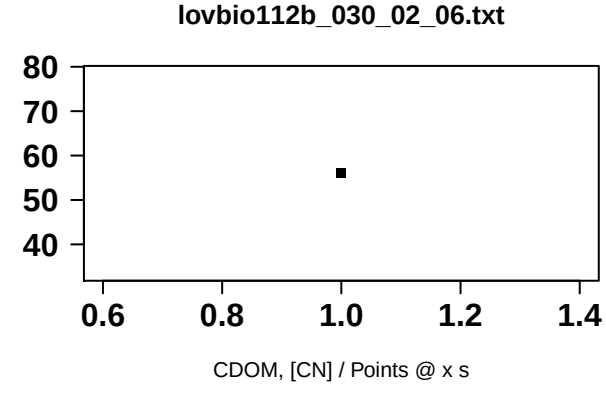
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−27 14:32:06 2017−06−27 14:32:13
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_030_02_06.txt
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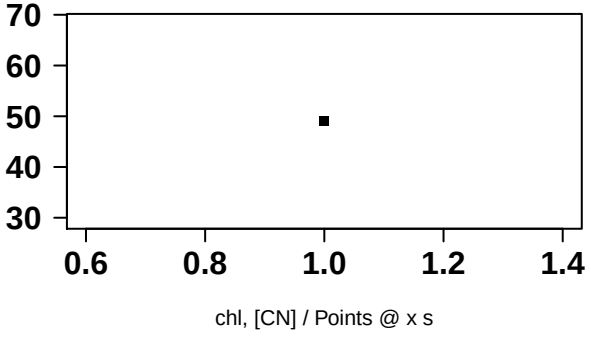
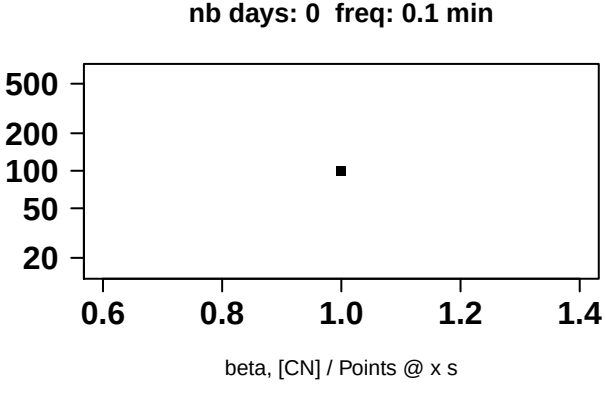
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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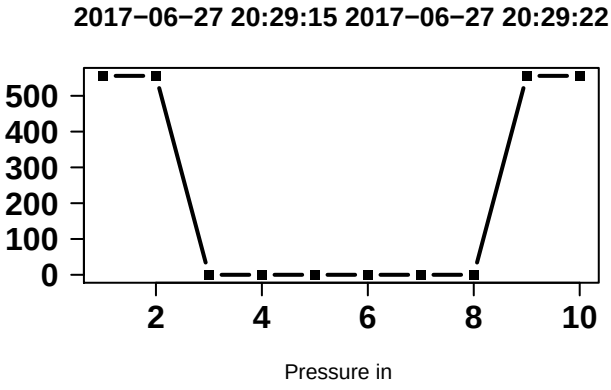
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−27 20:29:15 2017−06−27 20:29:22
500
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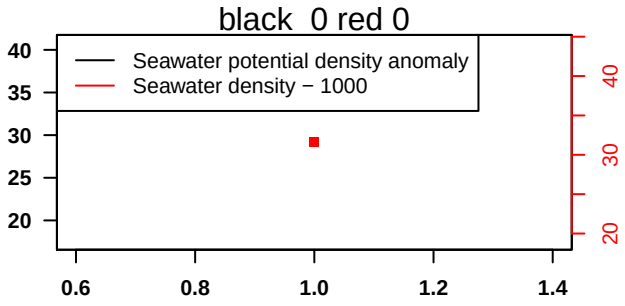
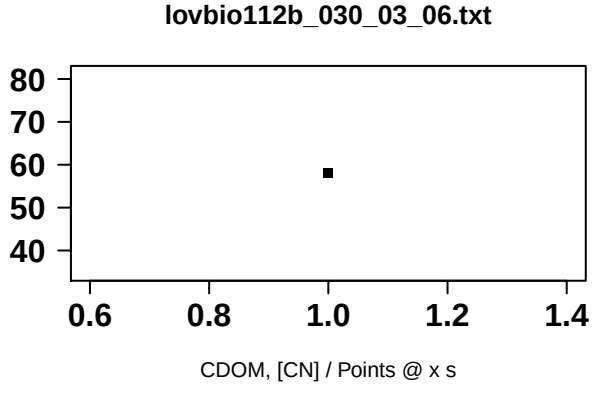
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_030_03_06.txt
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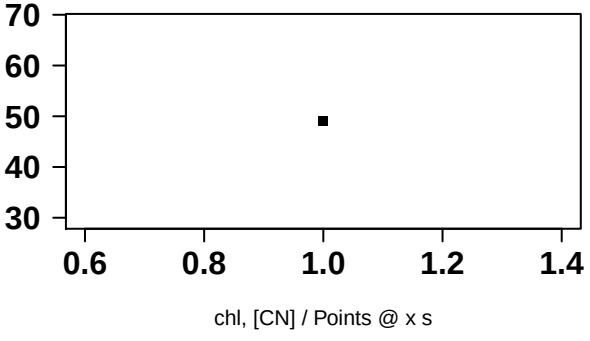
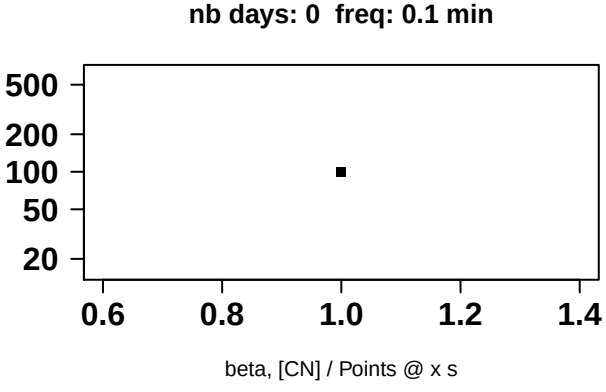
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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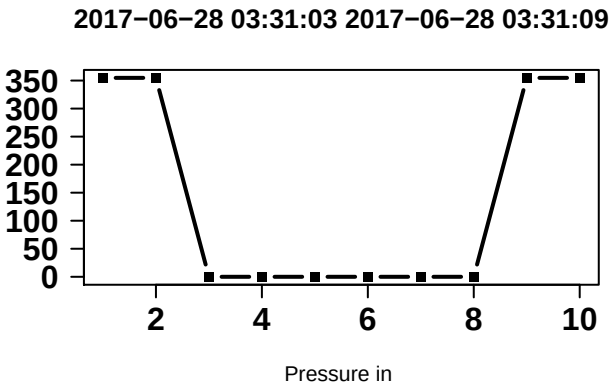
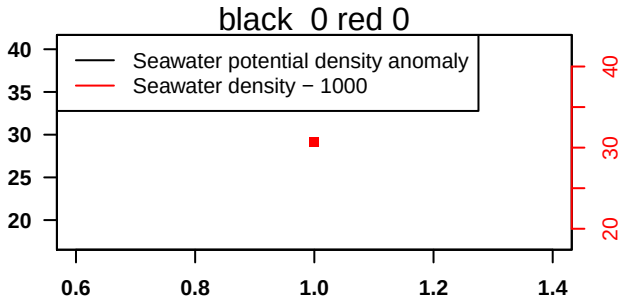
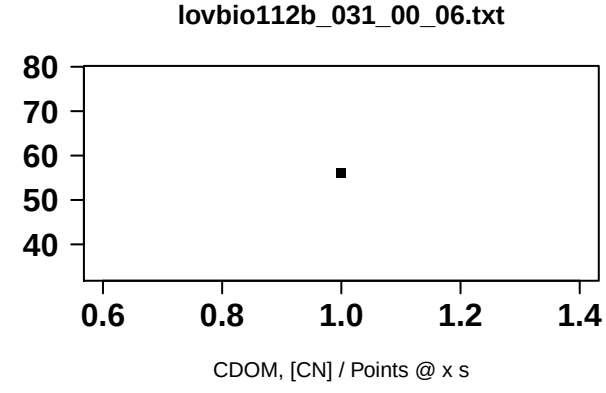
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−28 03:31:03 2017−06−28 03:31:09
350
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_031_00_06.txt
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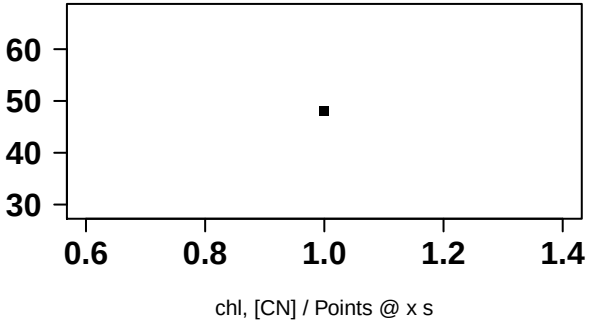
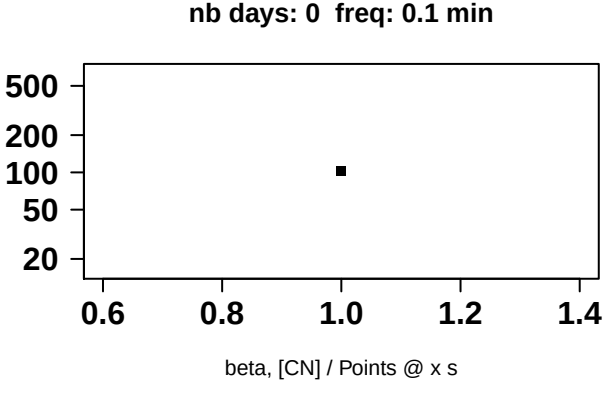
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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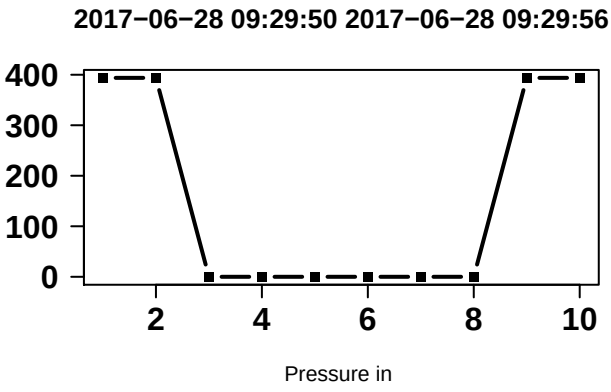
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−28 09:29:50 2017−06−28 09:29:56
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300
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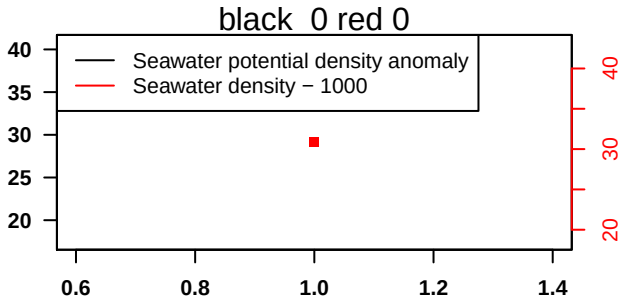
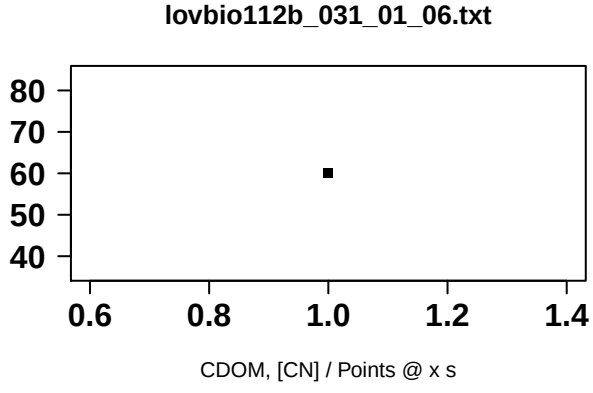
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_031_01_06.txt
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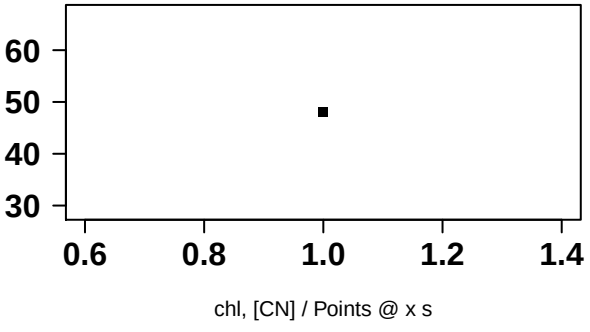
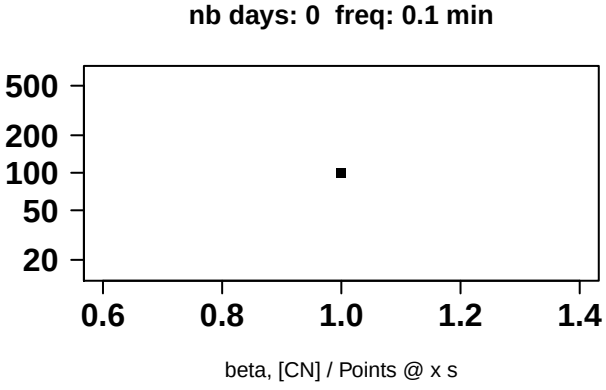
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
50
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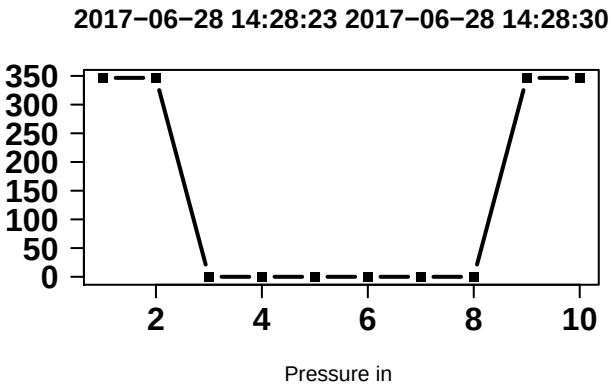
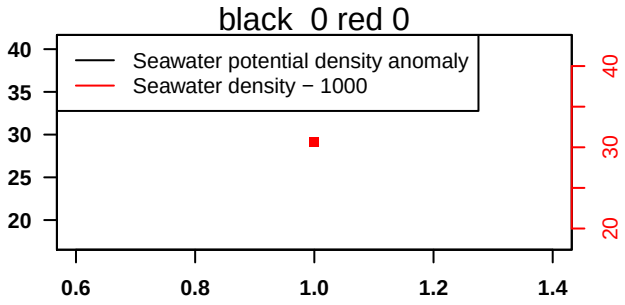
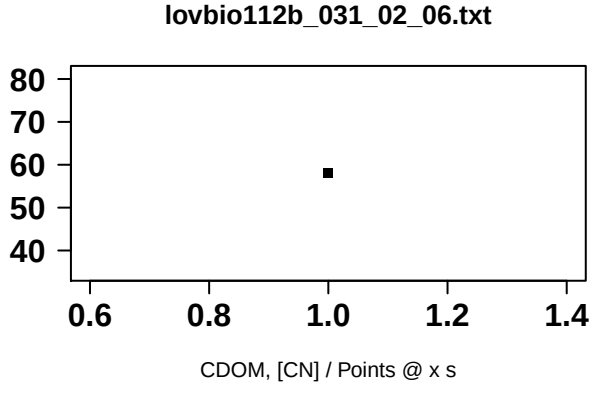
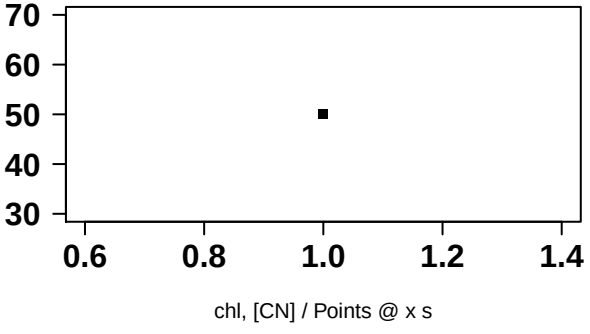
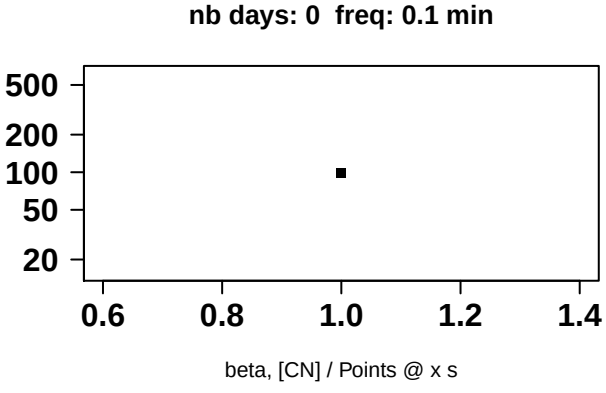
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

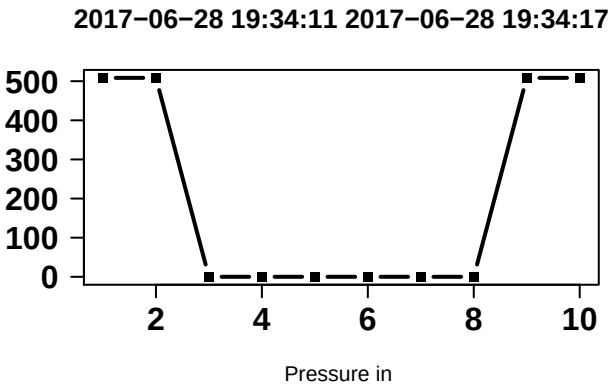

2017−06−28 14:28:23 2017−06−28 14:28:30
350
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

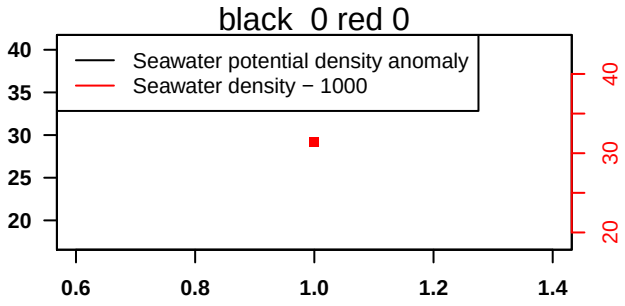

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

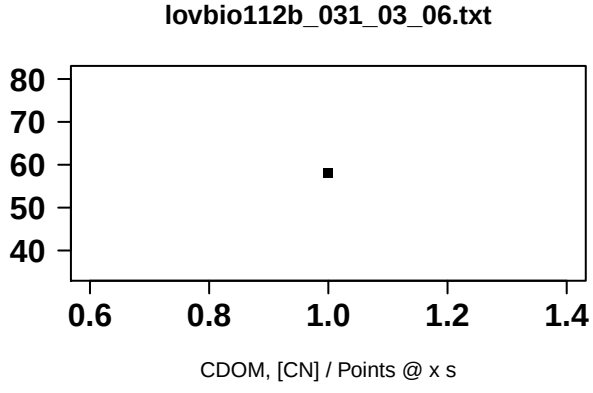

lovbio112b_031_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

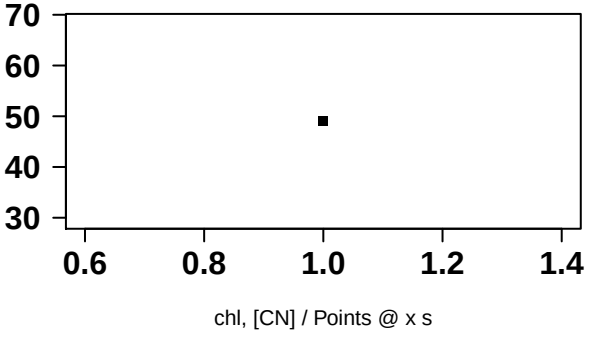

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

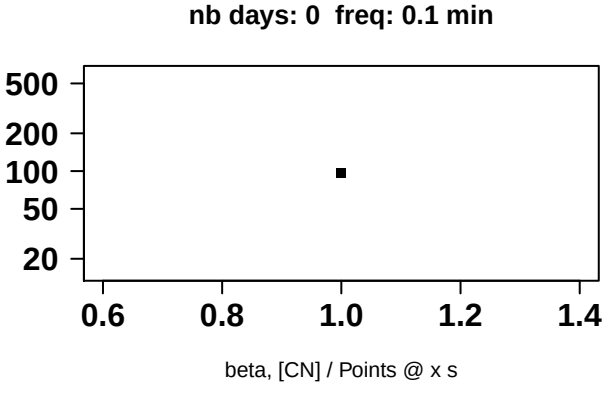

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−28 19:34:11 2017−06−28 19:34:17
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_031_03_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
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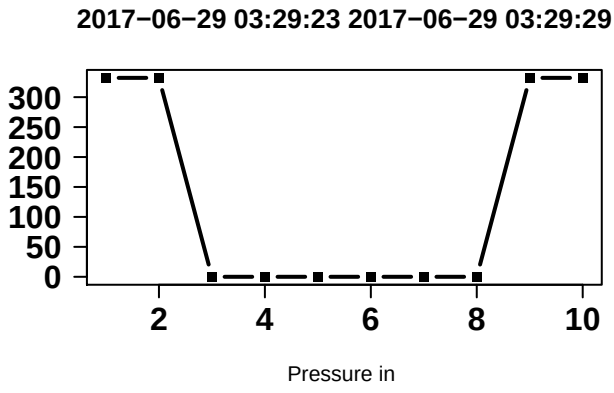
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−29 03:29:23 2017−06−29 03:29:29
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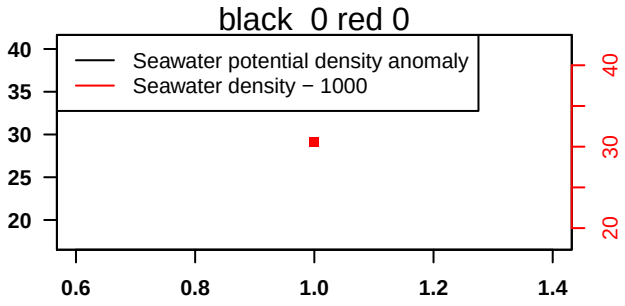
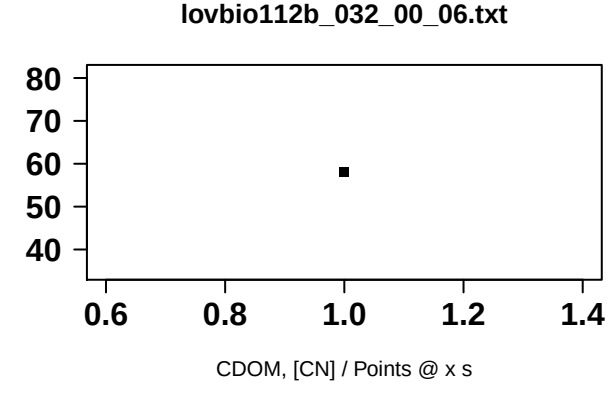
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_032_00_06.txt
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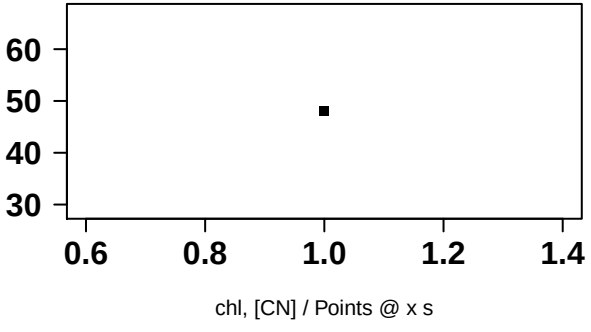
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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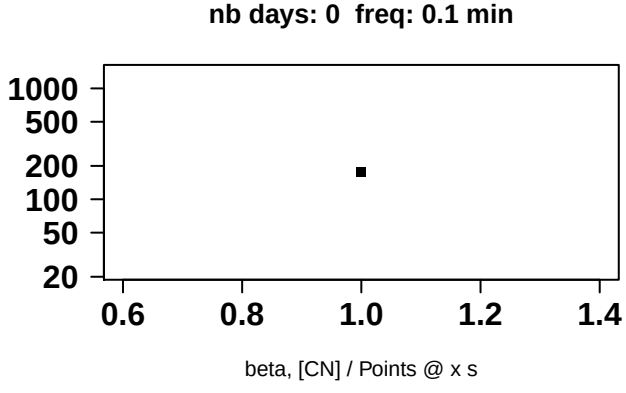
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s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100
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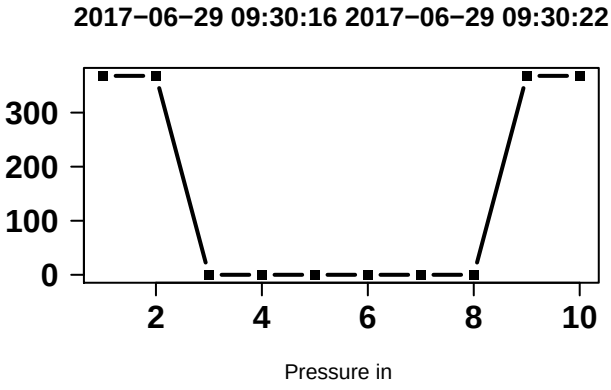
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−29 09:30:16 2017−06−29 09:30:22
300
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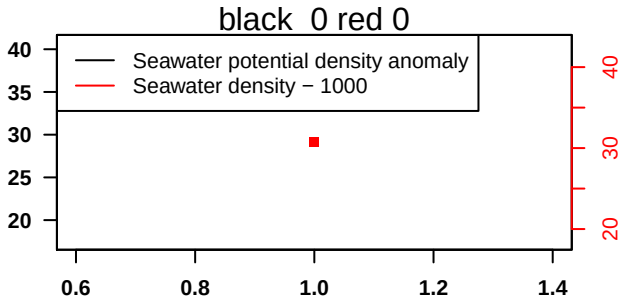
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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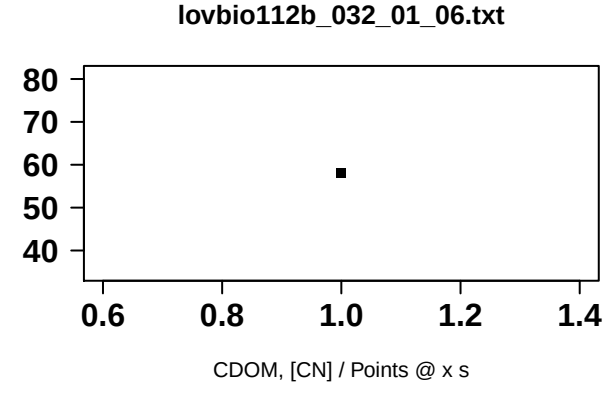
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_032_01_06.txt
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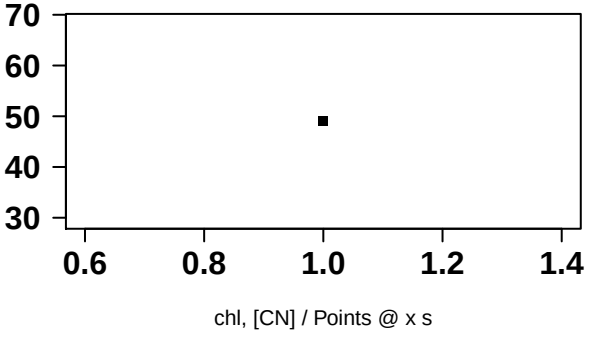
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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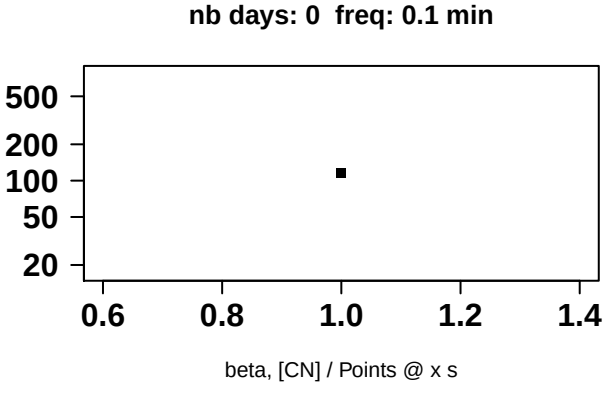
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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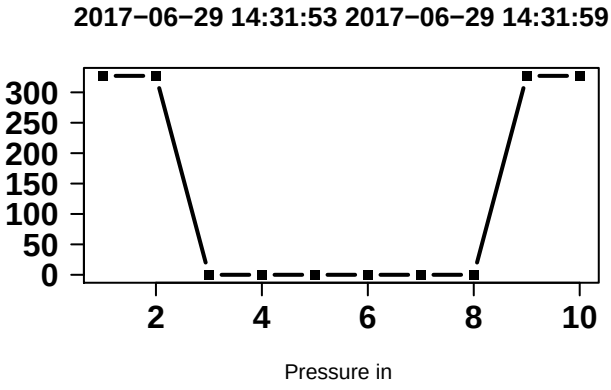
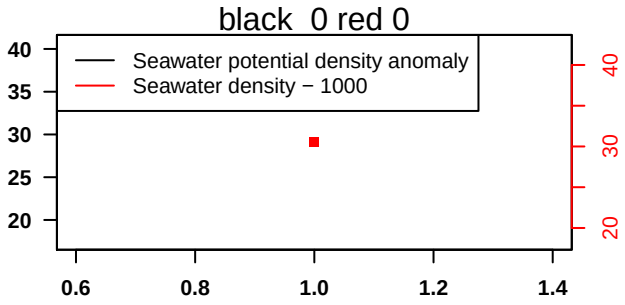
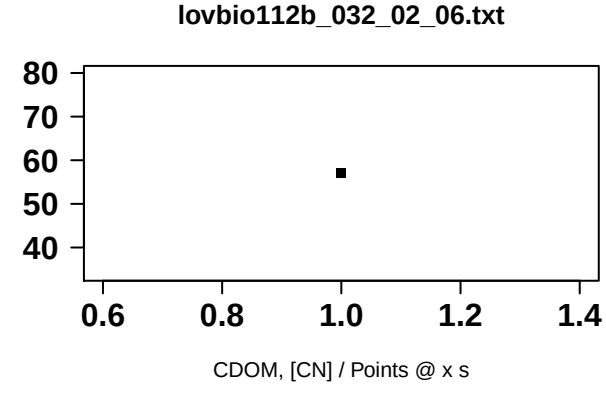
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−29 14:31:53 2017−06−29 14:31:59
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_032_02_06.txt
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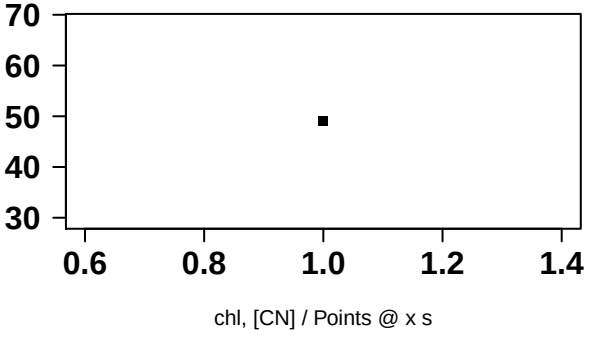
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


70
60
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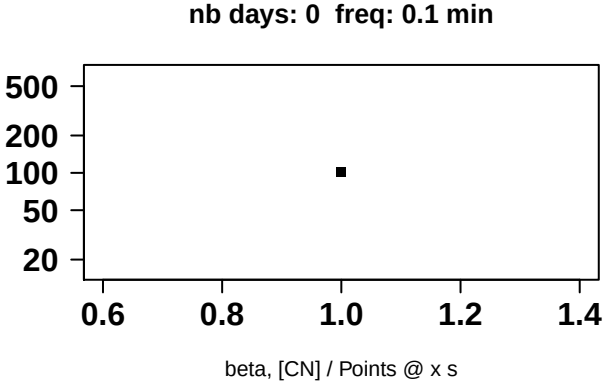
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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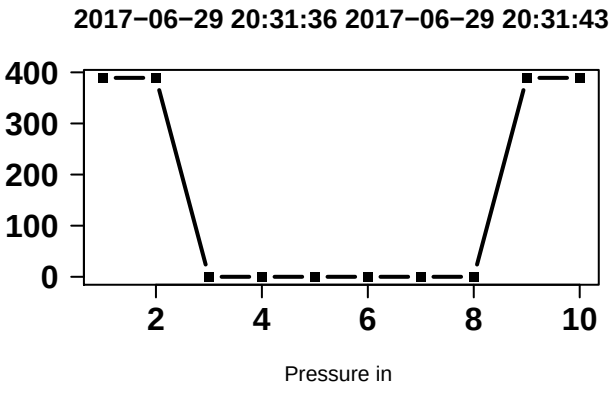
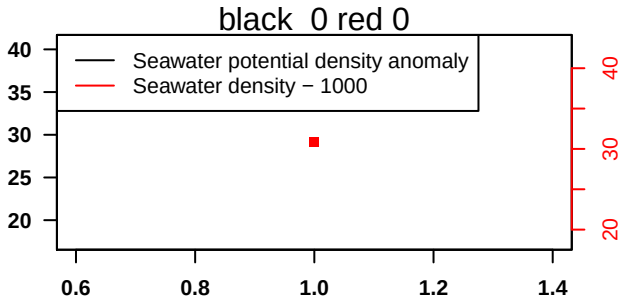
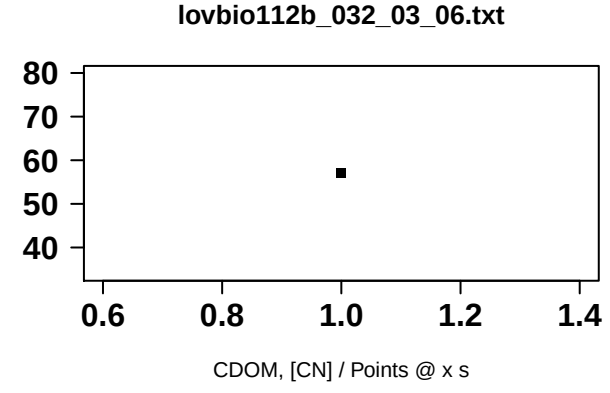
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−29 20:31:36 2017−06−29 20:31:43
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_032_03_06.txt
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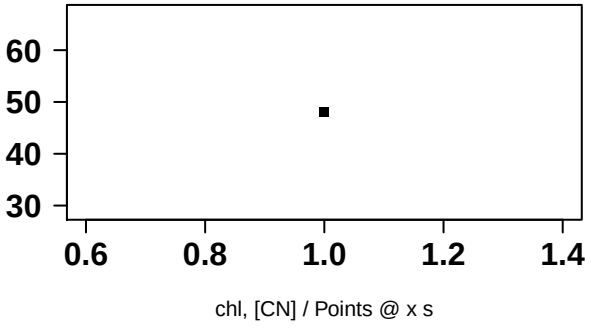
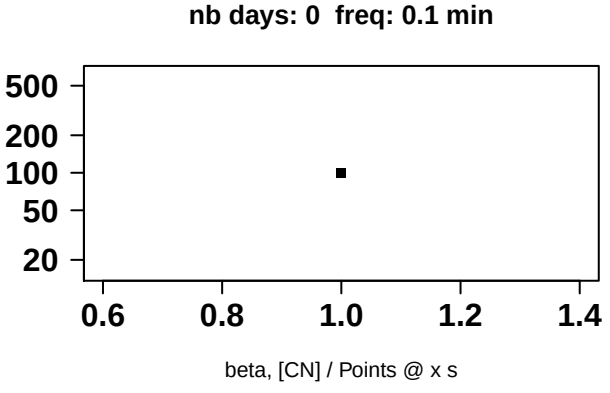
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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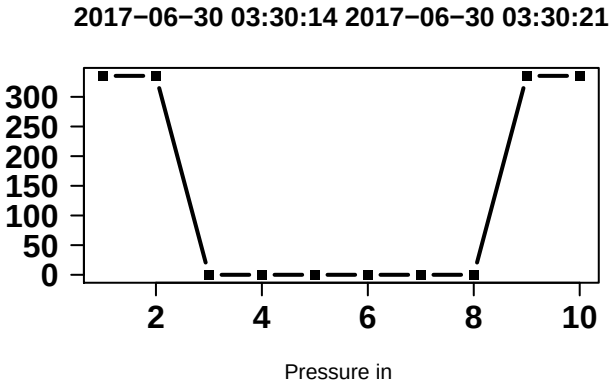
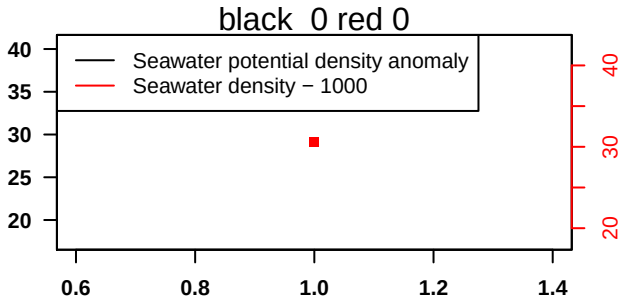
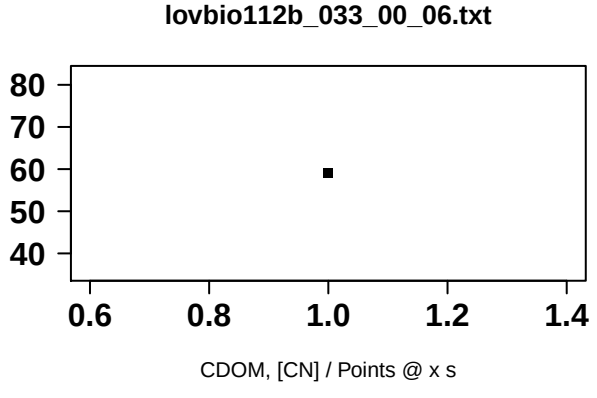
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−30 03:30:14 2017−06−30 03:30:21
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_033_00_06.txt
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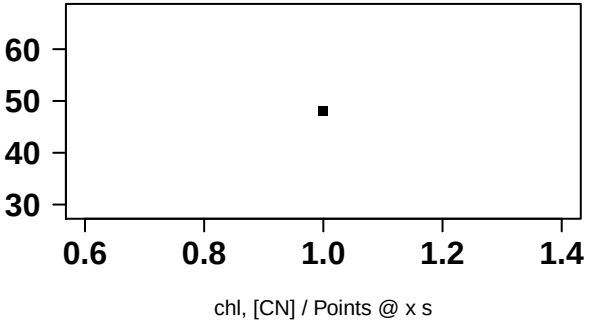
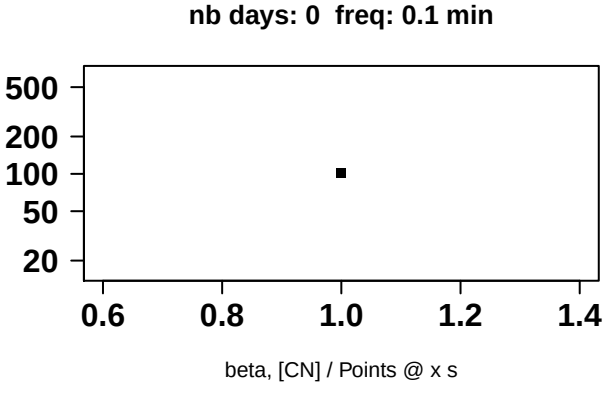
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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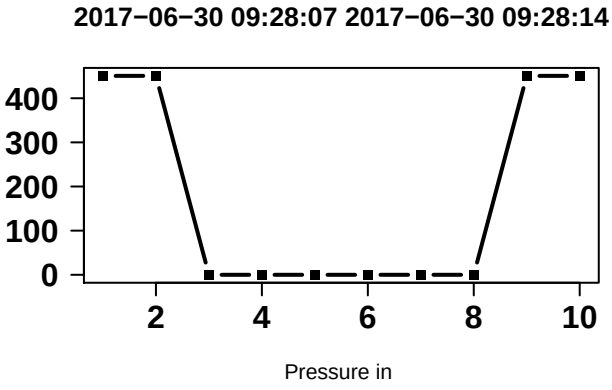
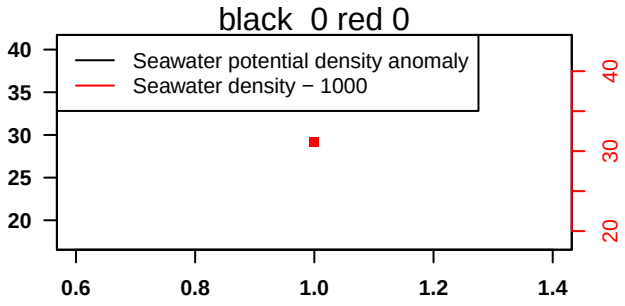
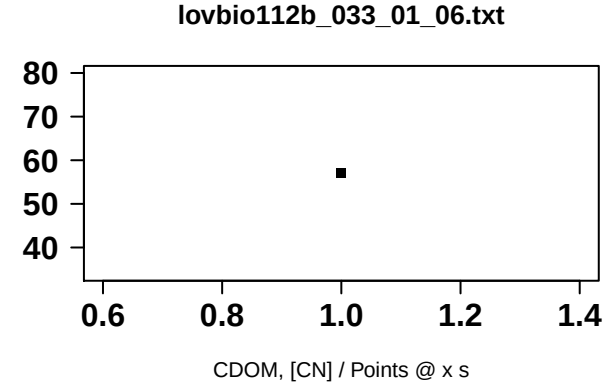
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−30 09:28:07 2017−06−30 09:28:14
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_033_01_06.txt
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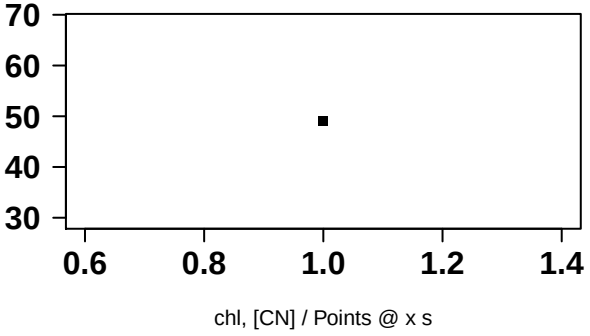
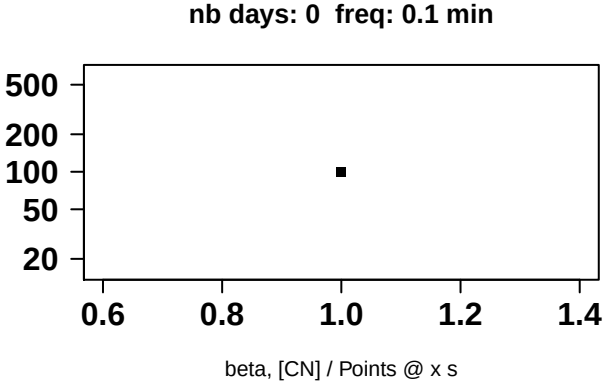
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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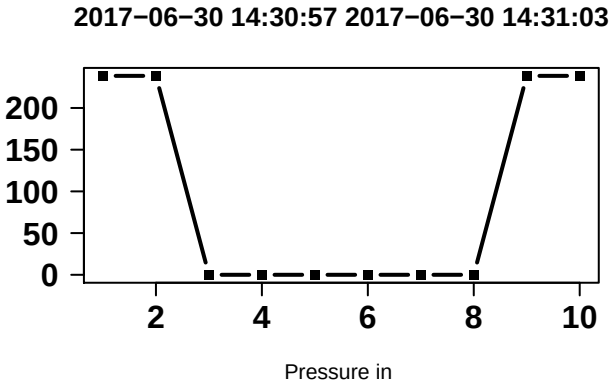
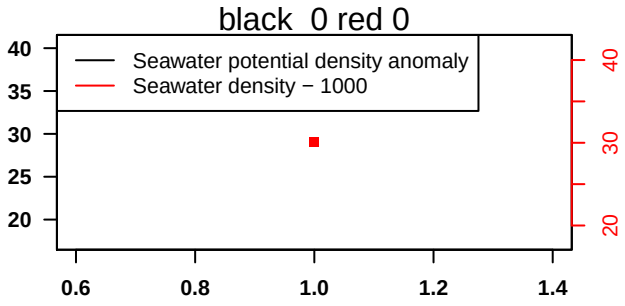
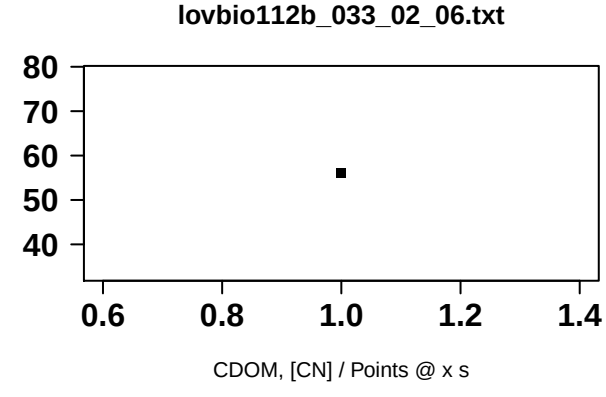
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−30 14:30:57 2017−06−30 14:31:03
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_033_02_06.txt
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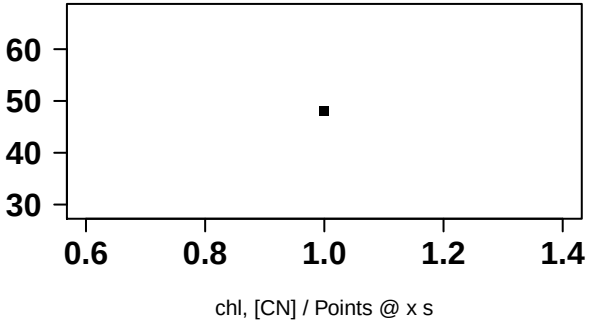
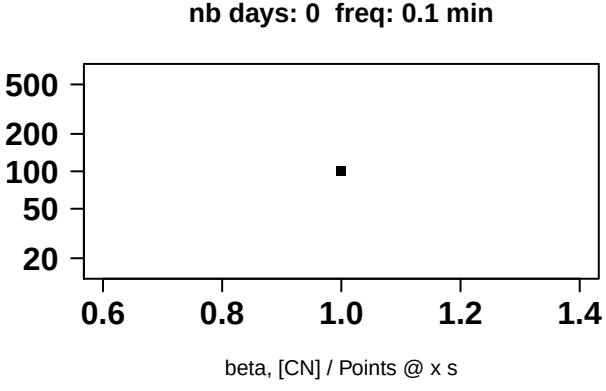
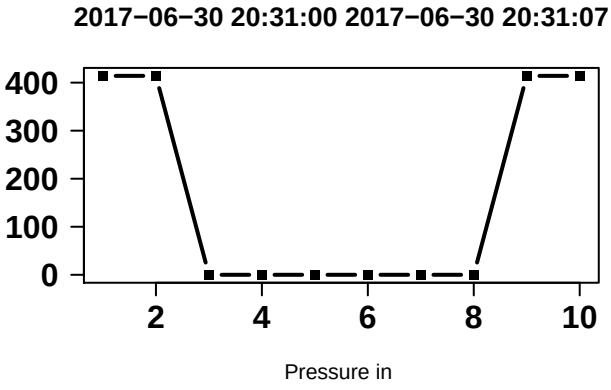
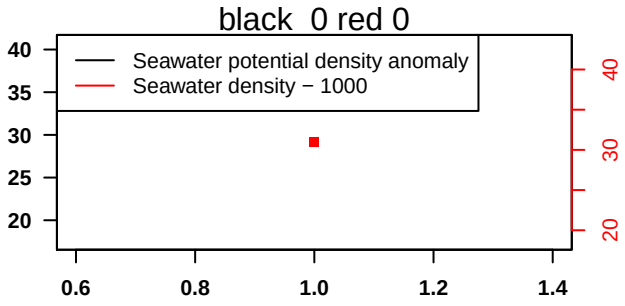
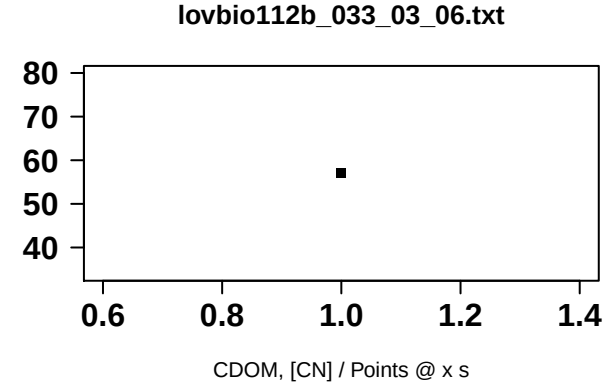
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

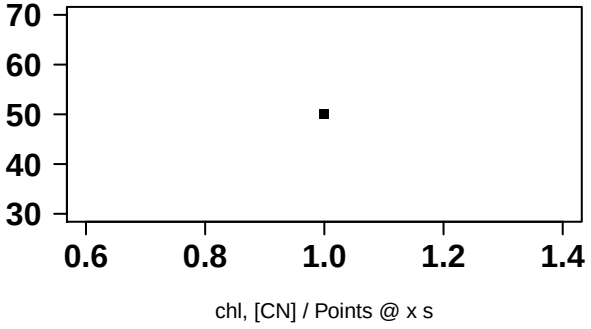

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

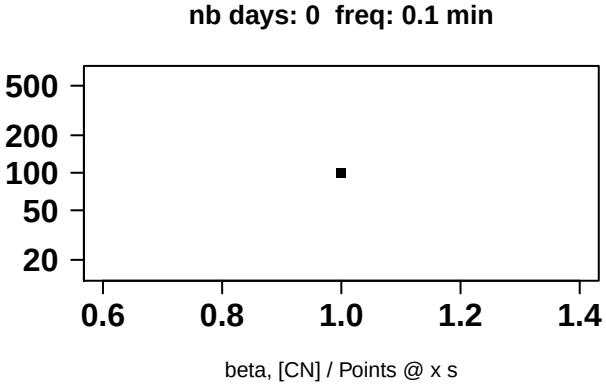

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−06−30 20:31:00 2017−06−30 20:31:07
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_033_03_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
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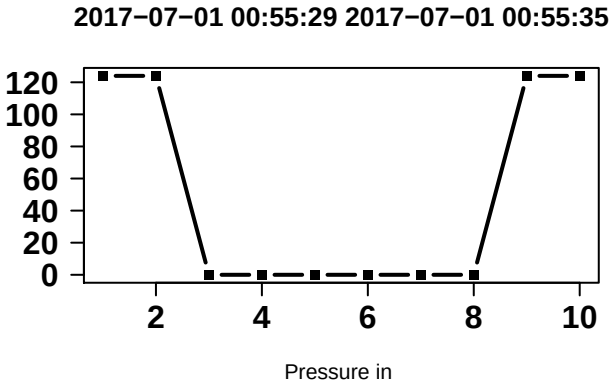
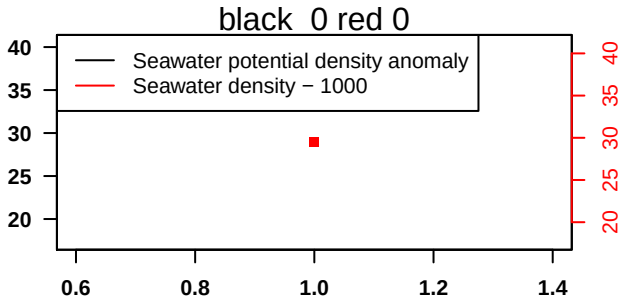
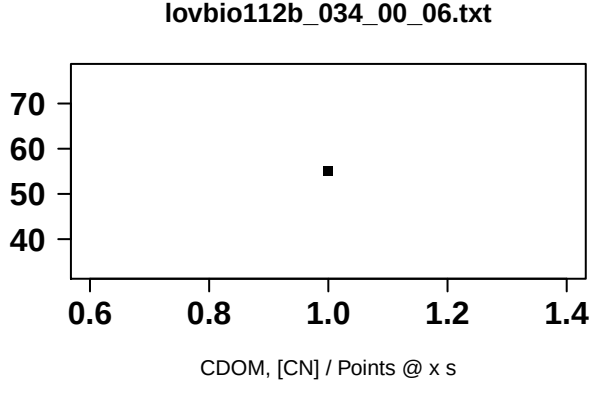
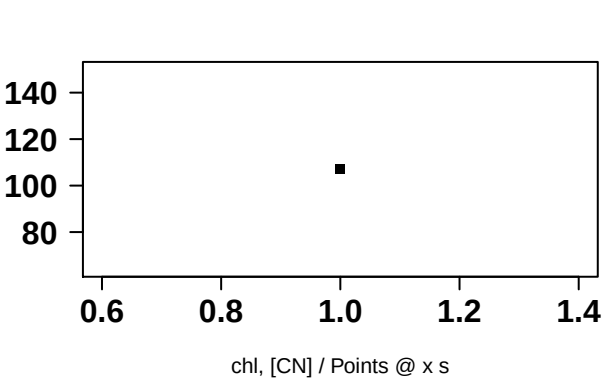
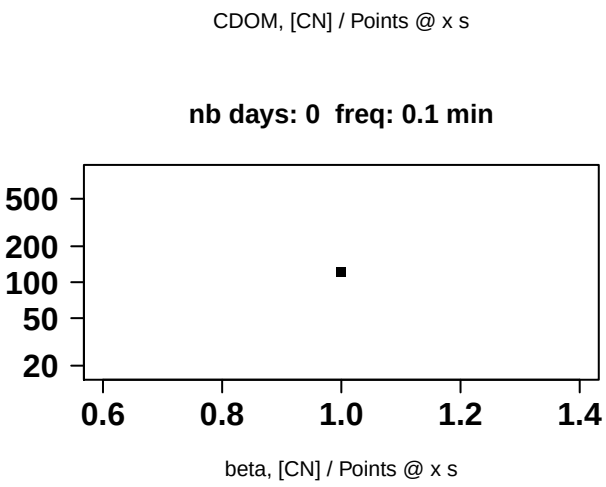
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−01 00:55:29 2017−07−01 00:55:35
120
100
80
60
40
20
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_034_00_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


140
120
100
80
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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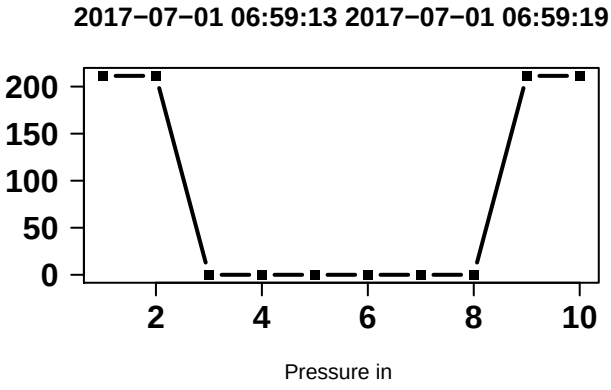
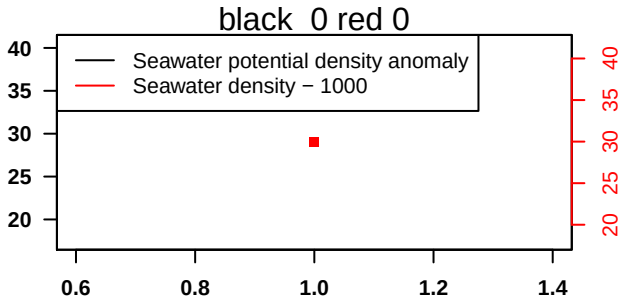
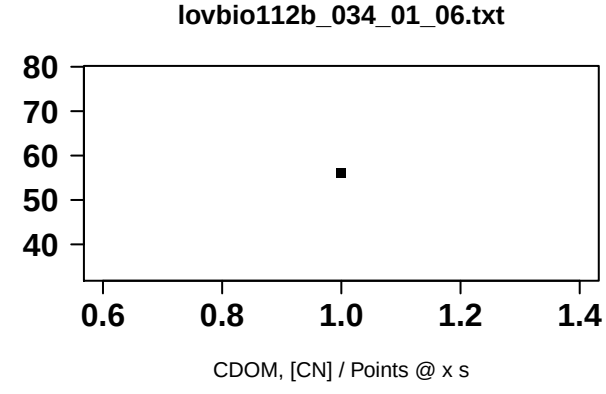
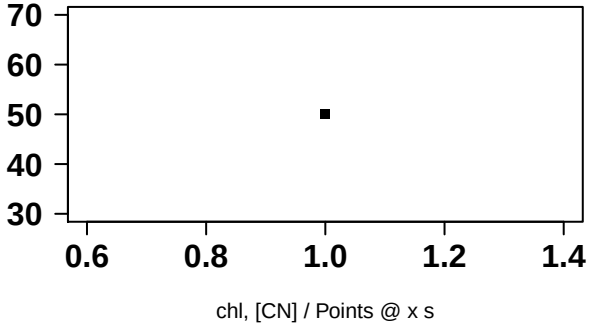
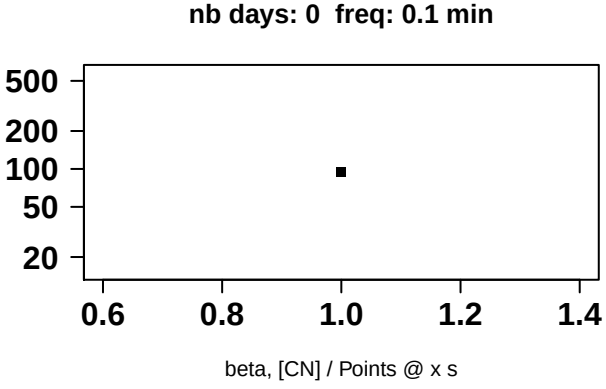
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

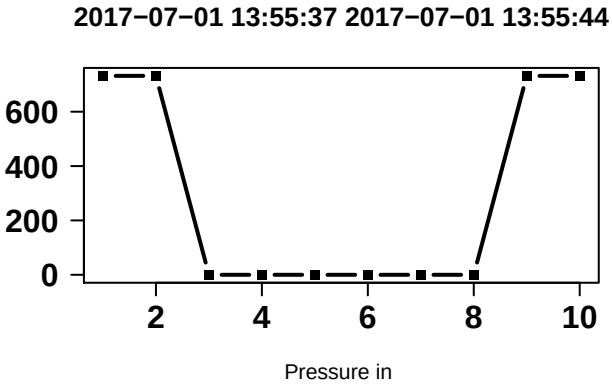

2017−07−01 06:59:13 2017−07−01 06:59:19
200
150
100
50
0
2
4
6
8
10
Pressure in

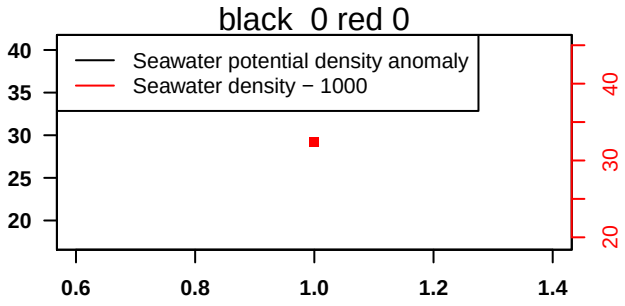

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4

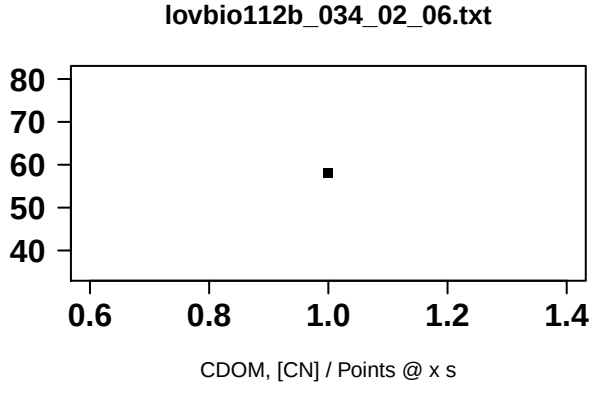

lovbio112b_034_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−07−01 13:55:37 2017−07−01 13:55:44
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_034_02_06.txt
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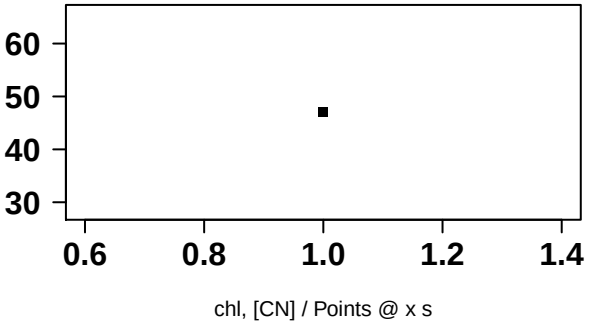
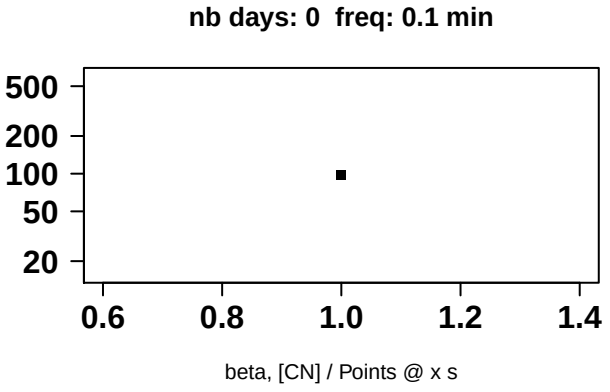
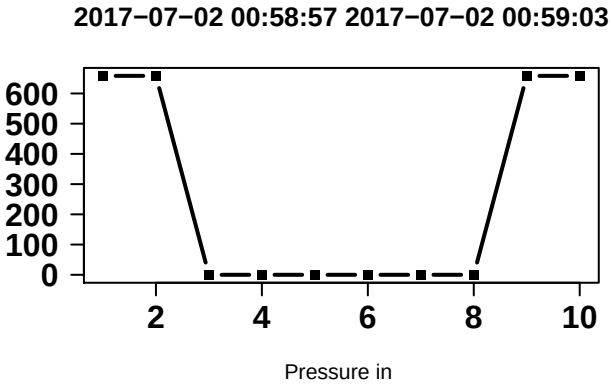
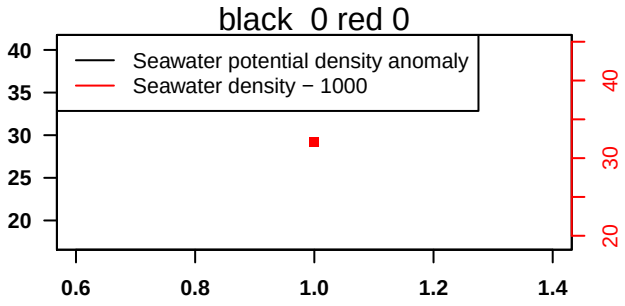
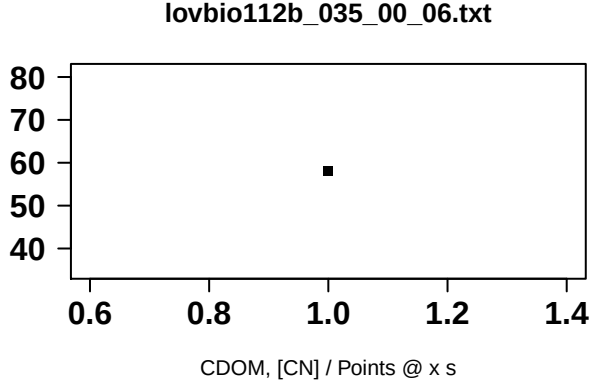
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

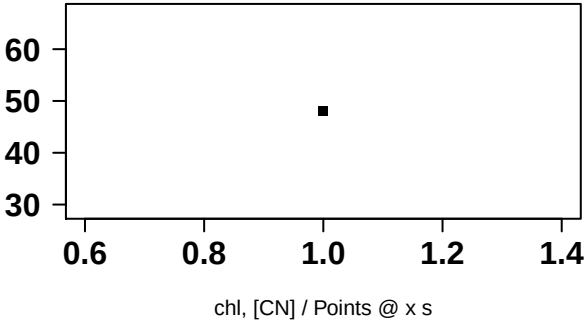

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

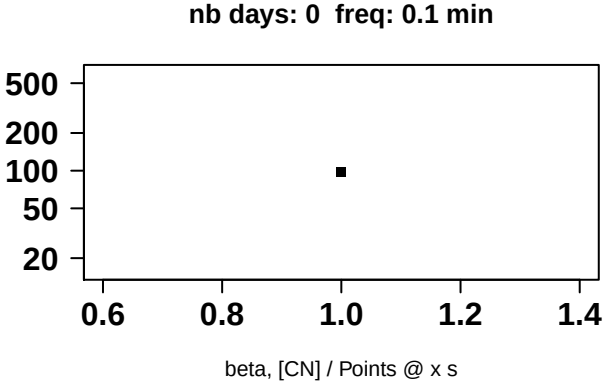

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−02 00:58:57 2017−07−02 00:59:03
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_035_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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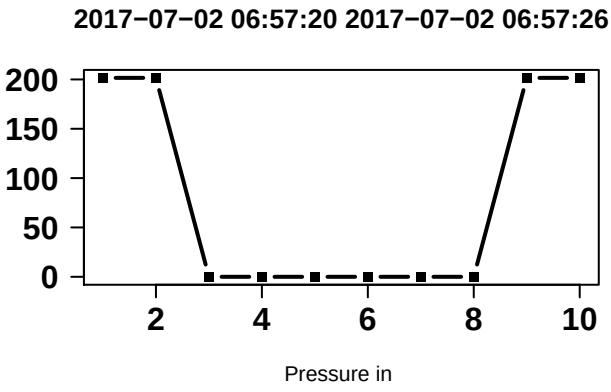
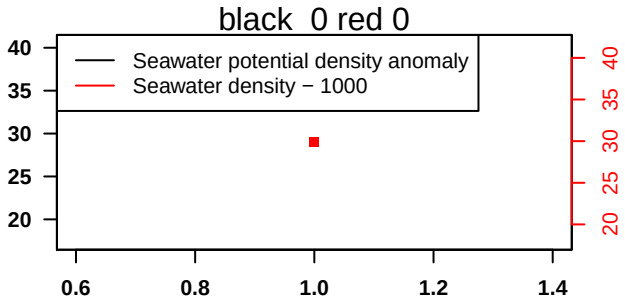
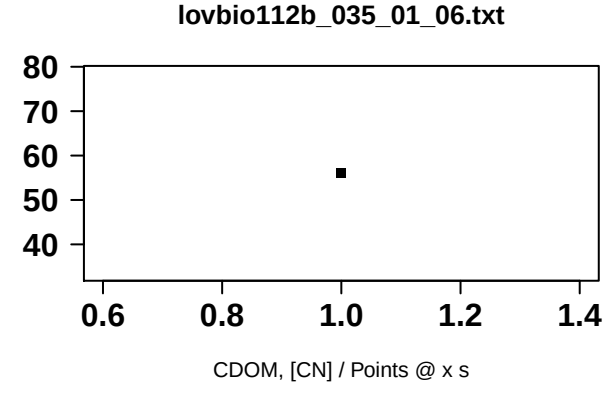
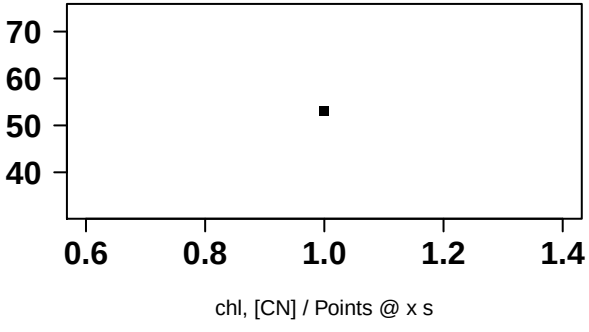
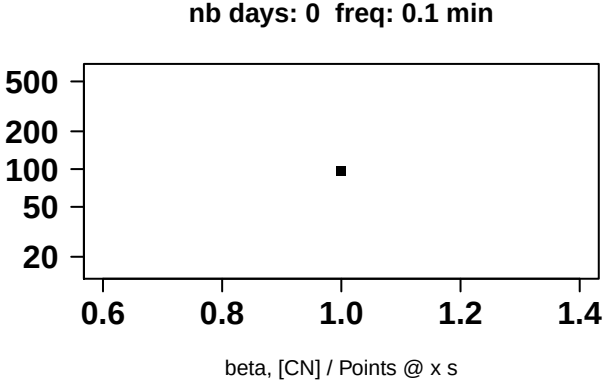
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−02 06:57:20 2017−07−02 06:57:26
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_035_01_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
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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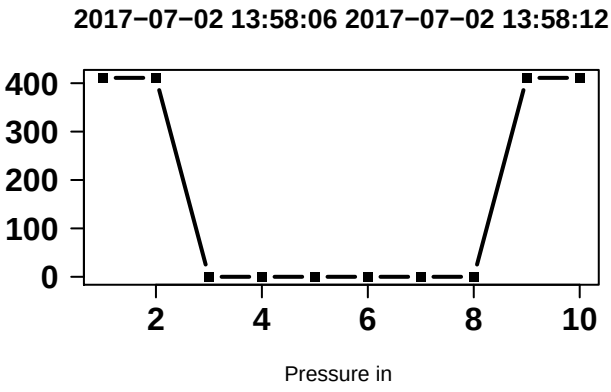
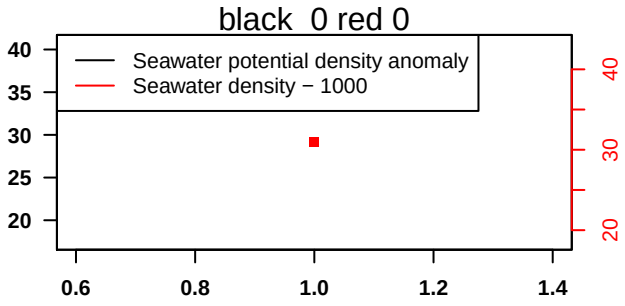
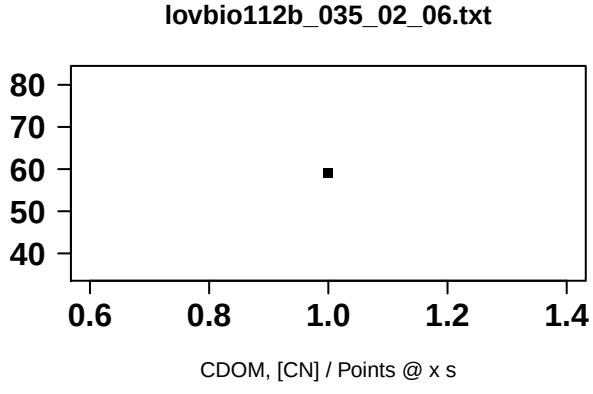
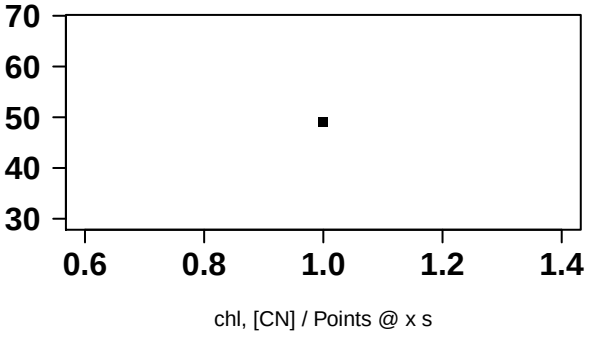
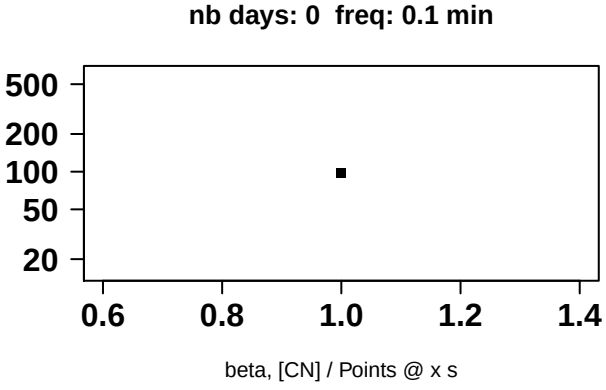
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

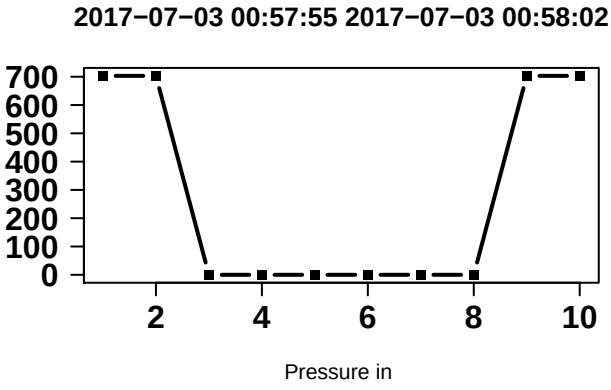

2017−07−02 13:58:06 2017−07−02 13:58:12
400
300
200
100
0
2
4
6
8
10
Pressure in

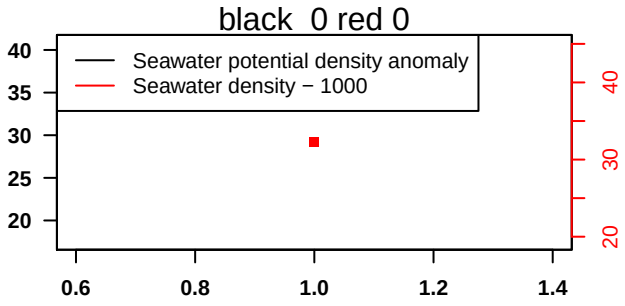

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

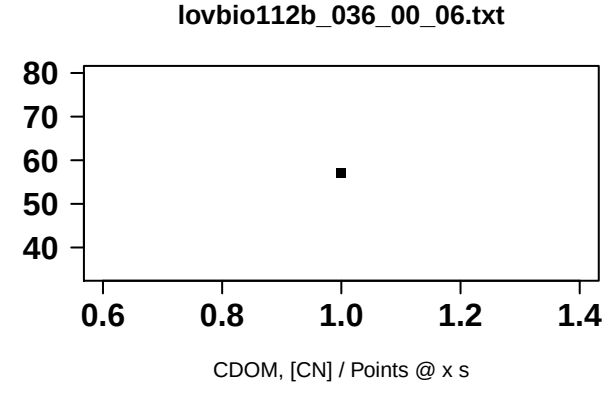

lovbio112b_035_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

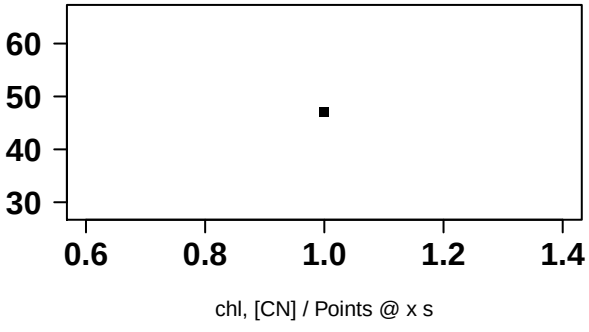

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

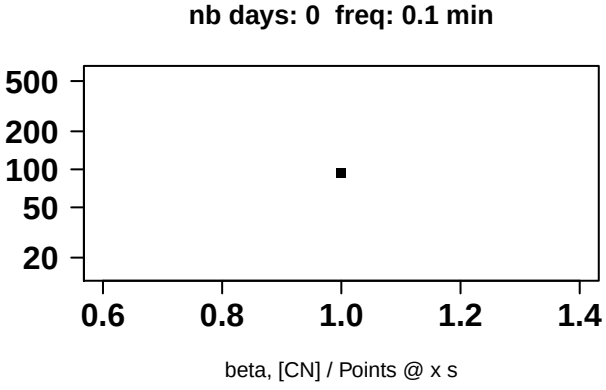

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

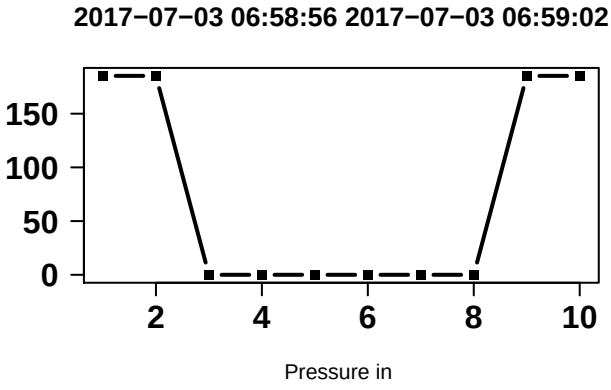

2017−07−03 00:57:55 2017−07−03 00:58:02
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in

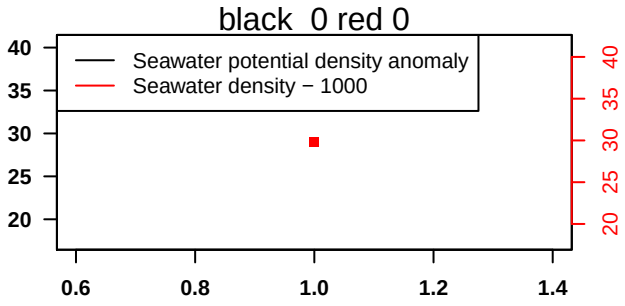

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

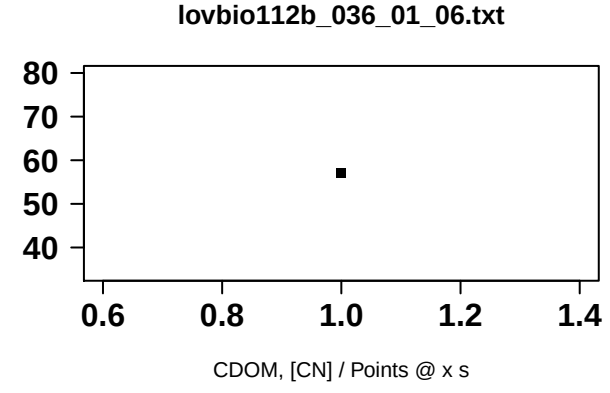

lovbio112b_036_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

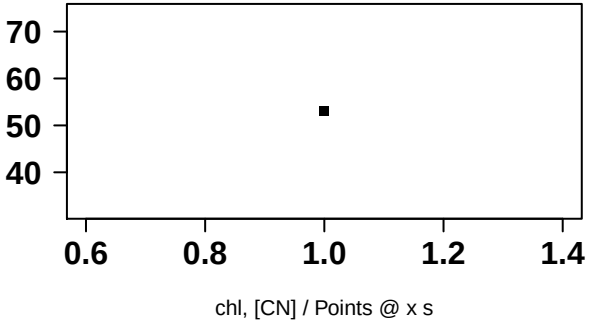

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

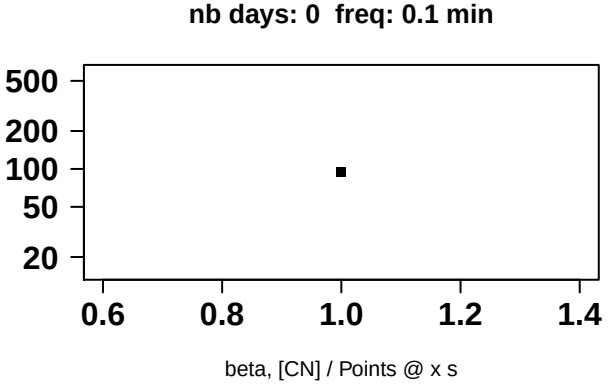

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−03 06:58:56 2017−07−03 06:59:02
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_036_01_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
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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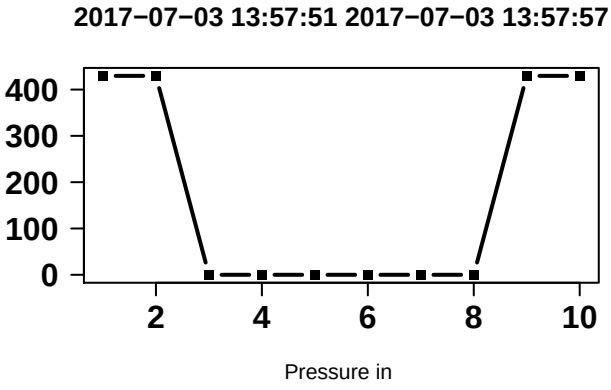
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−03 13:57:51 2017−07−03 13:57:57
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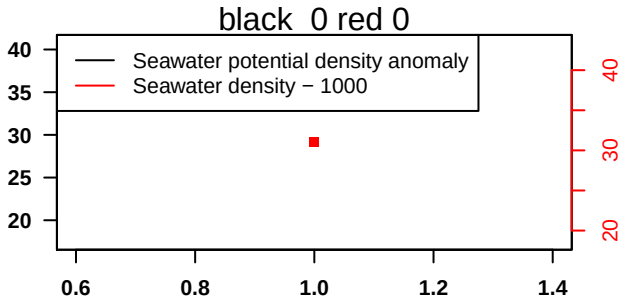
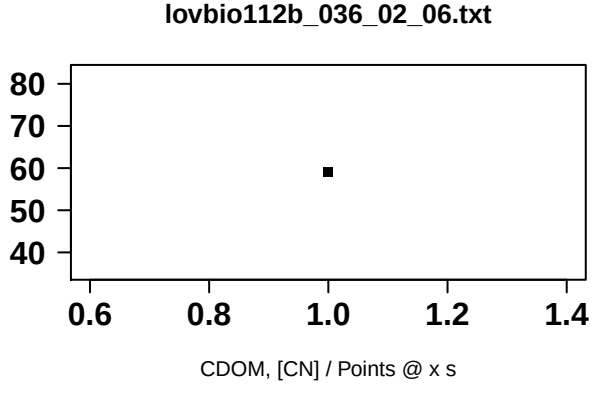
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_036_02_06.txt
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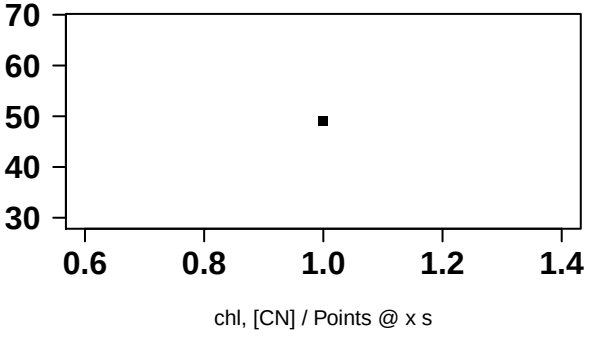
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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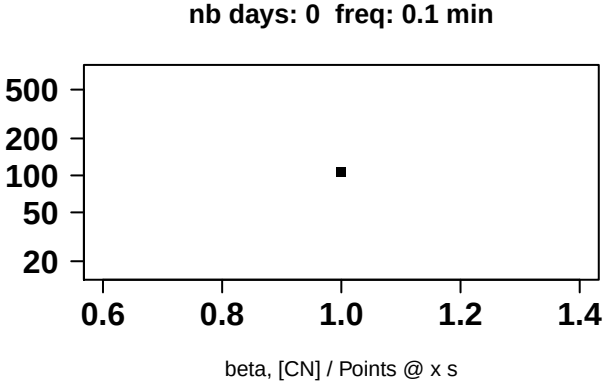
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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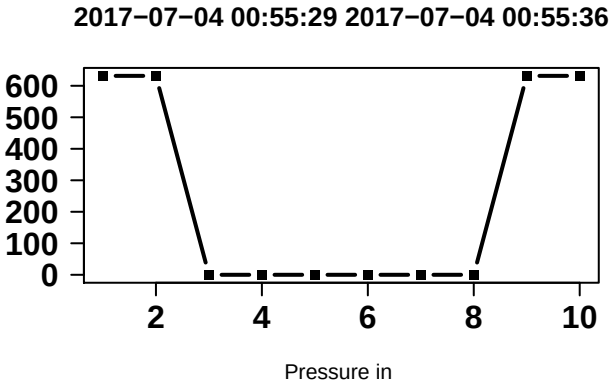
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−04 00:55:29 2017−07−04 00:55:36
600
500
400
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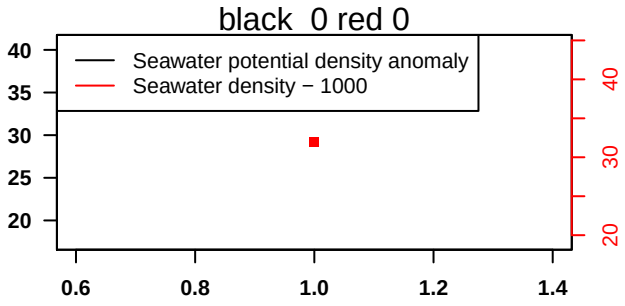
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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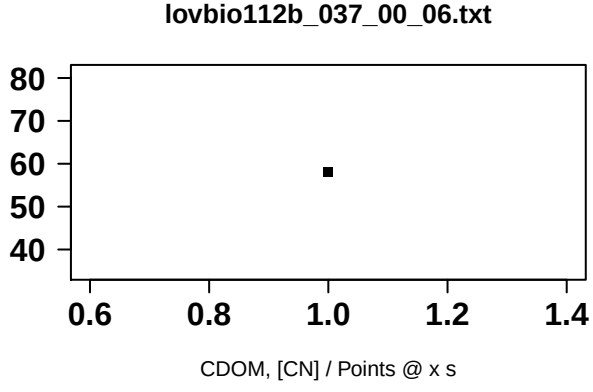
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_037_00_06.txt
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70
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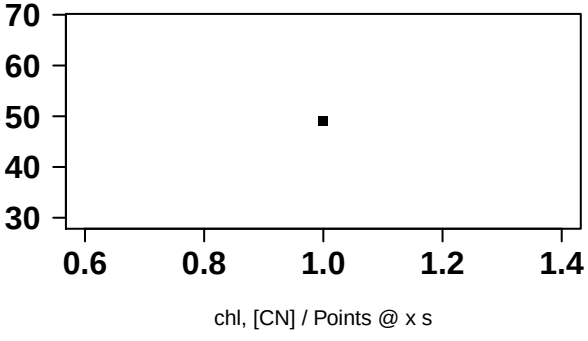
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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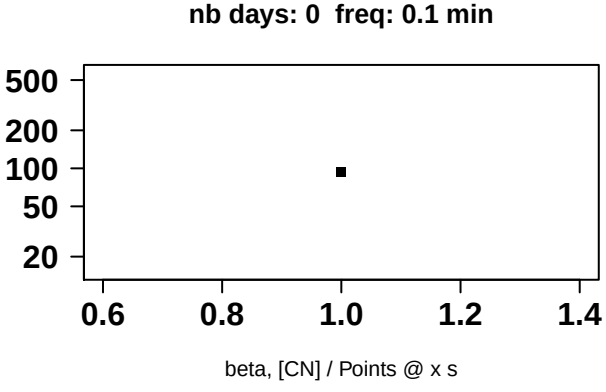
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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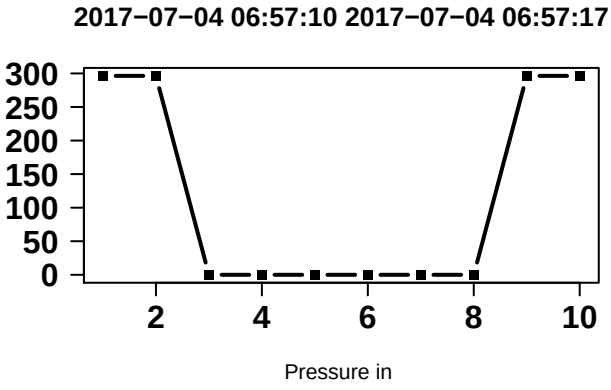
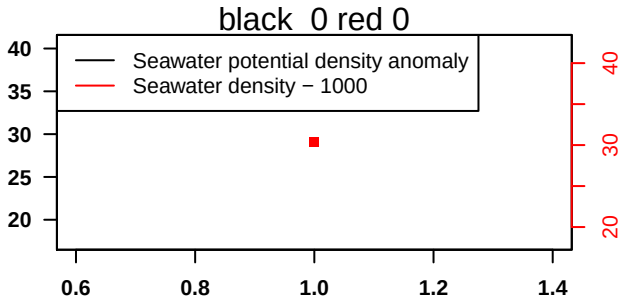
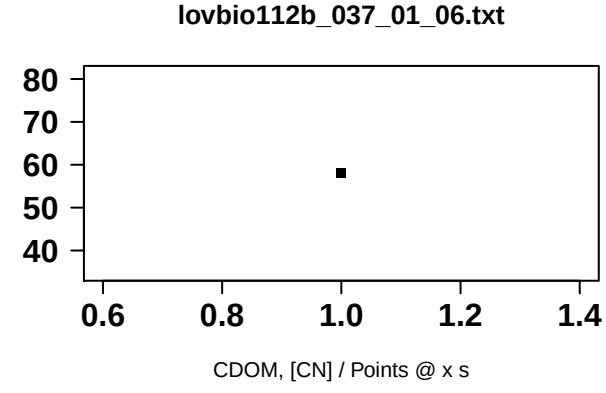
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−04 06:57:10 2017−07−04 06:57:17
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_037_01_06.txt
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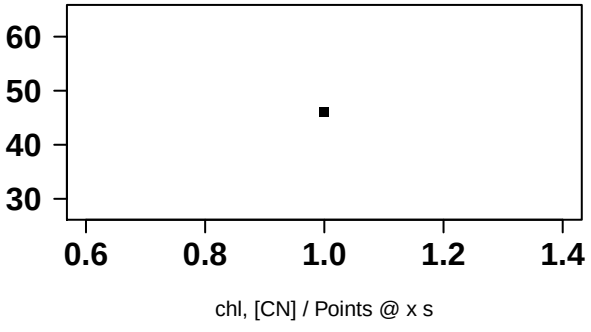
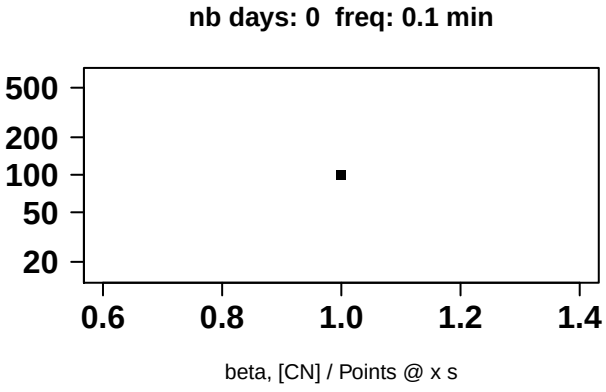
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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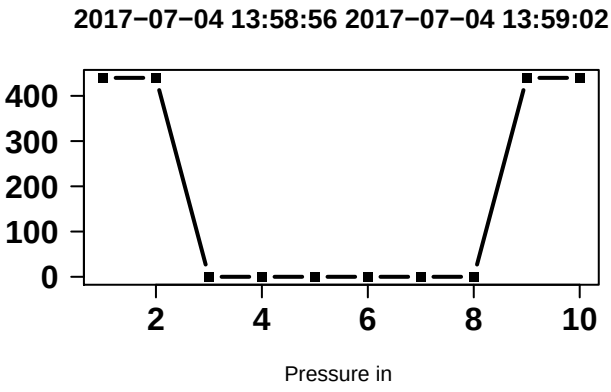
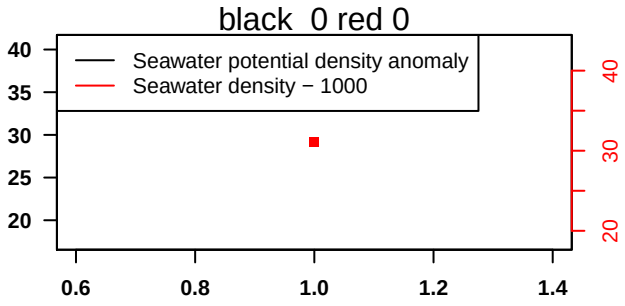
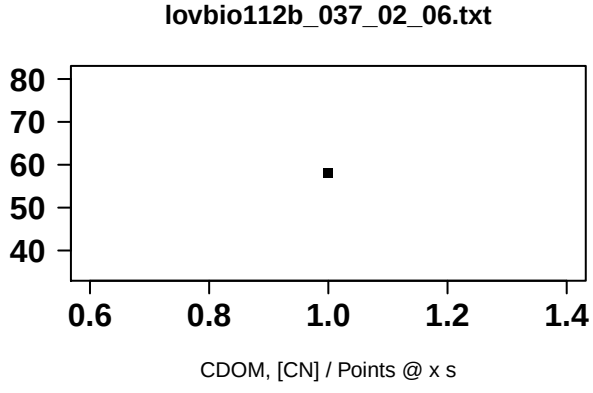
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−04 13:58:56 2017−07−04 13:59:02
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_037_02_06.txt
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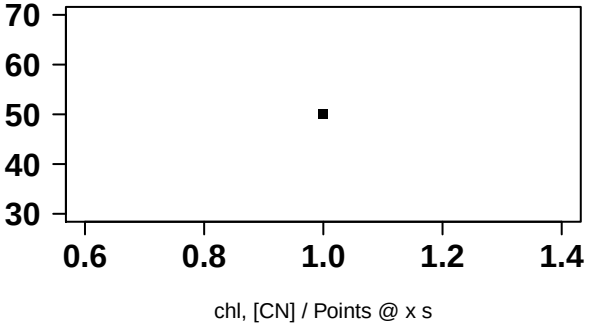
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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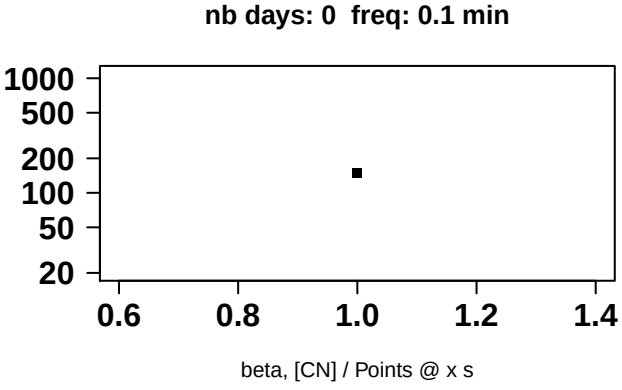
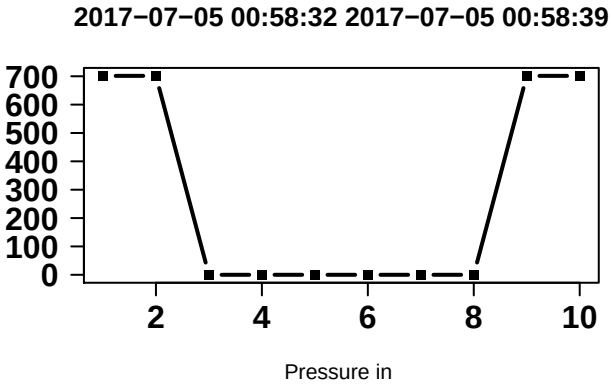
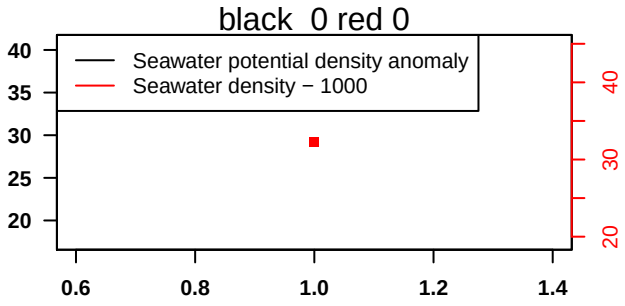
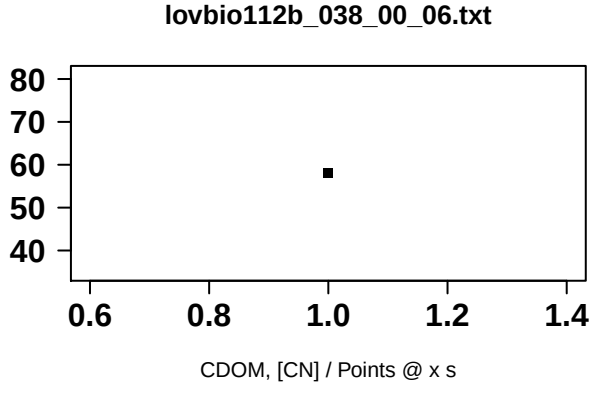
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
1000
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−05 00:58:32 2017−07−05 00:58:39
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_038_00_06.txt
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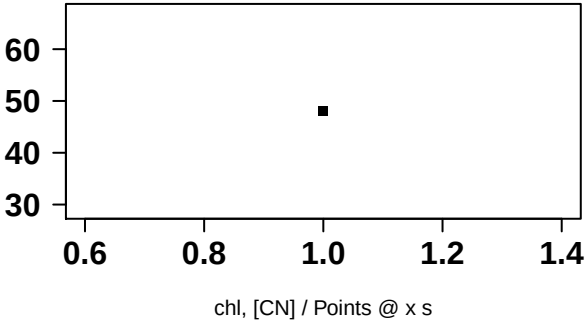
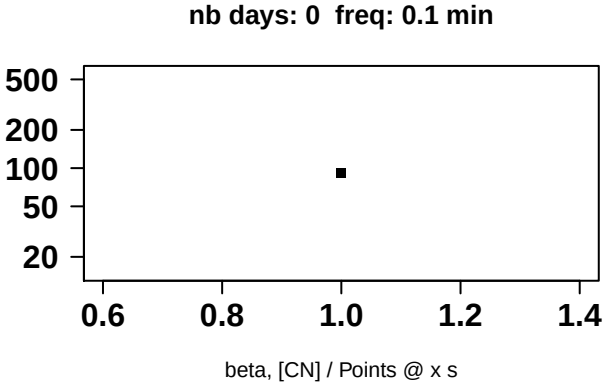
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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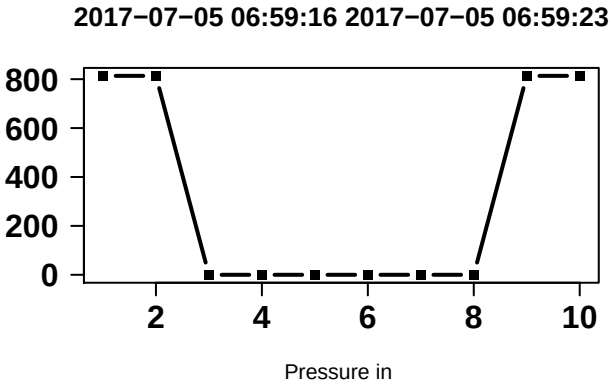
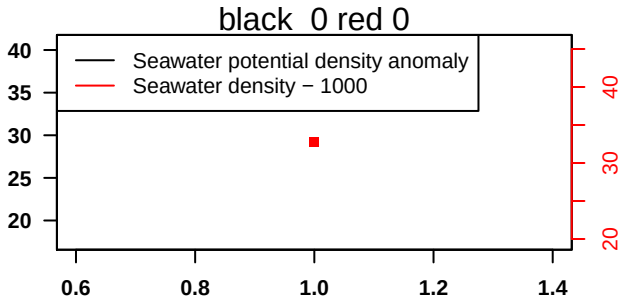
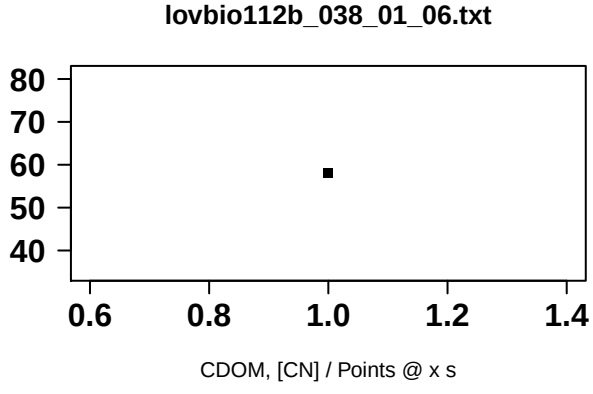
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−05 06:59:16 2017−07−05 06:59:23
800
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_038_01_06.txt
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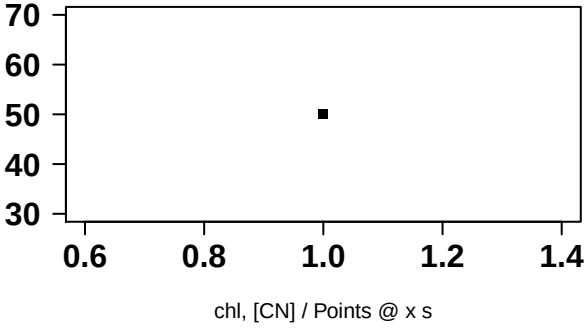
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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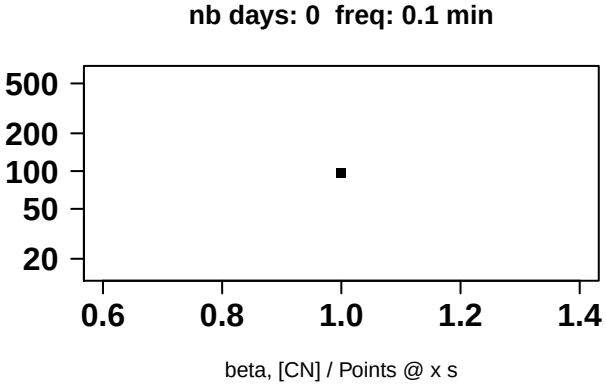
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
50
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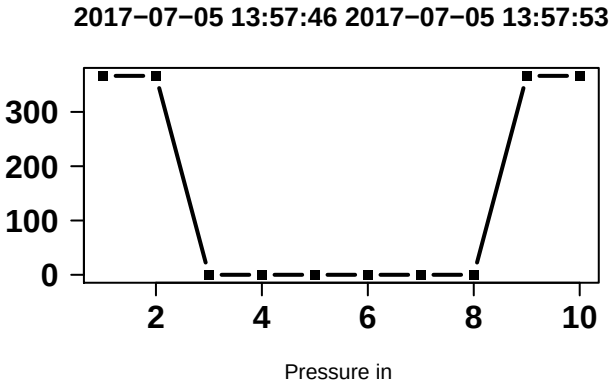
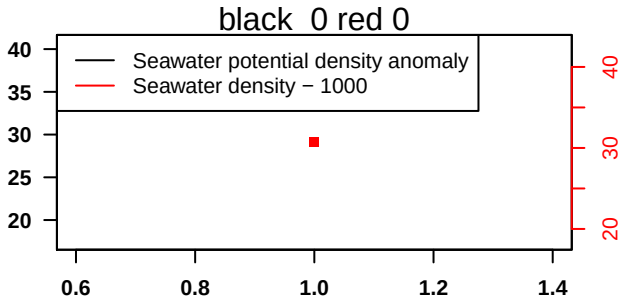
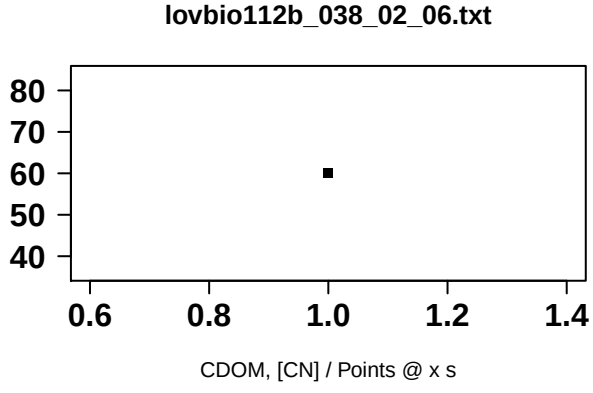
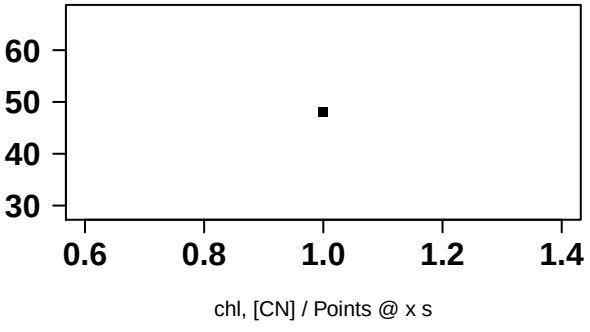
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−05 13:57:46 2017−07−05 13:57:53
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_038_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
50
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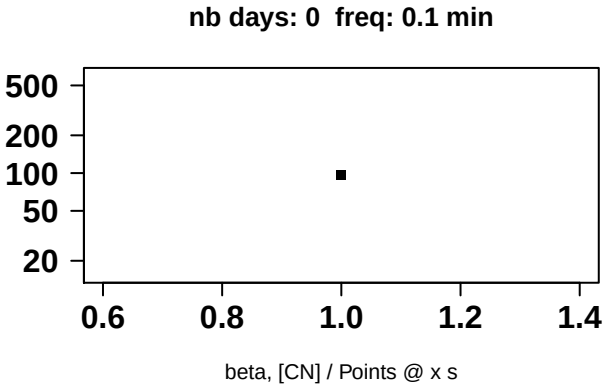
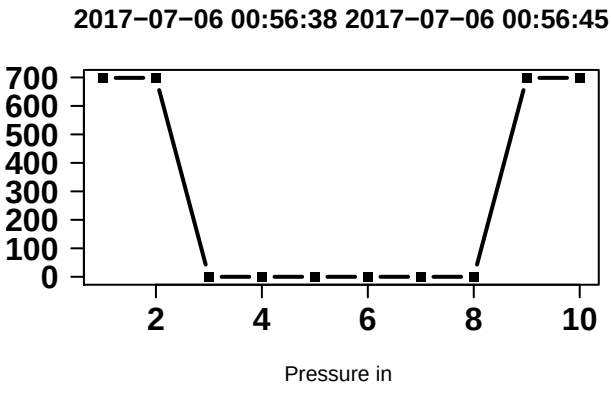
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−07−06 00:56:38 2017−07−06 00:56:45
700
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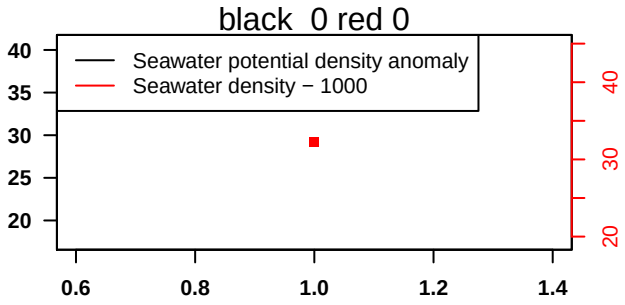
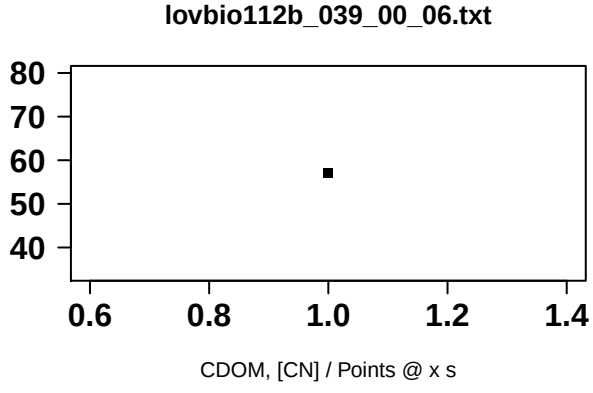
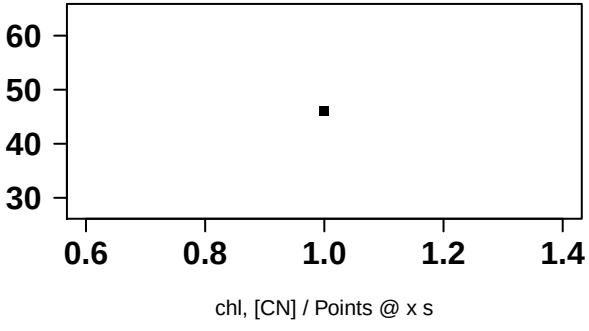
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_039_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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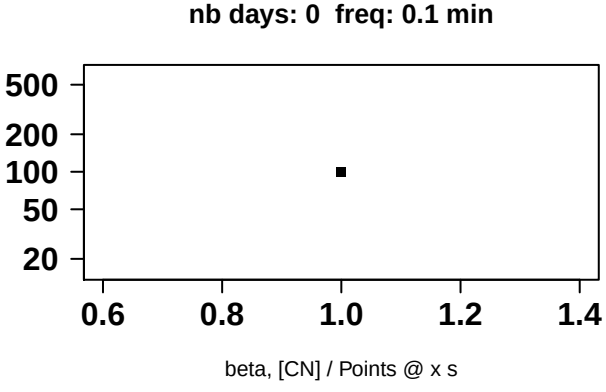
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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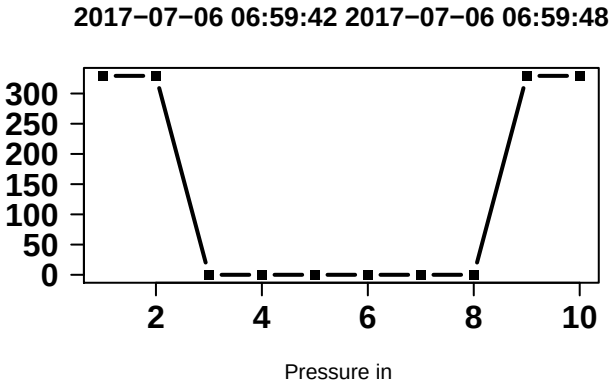
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−06 06:59:42 2017−07−06 06:59:48
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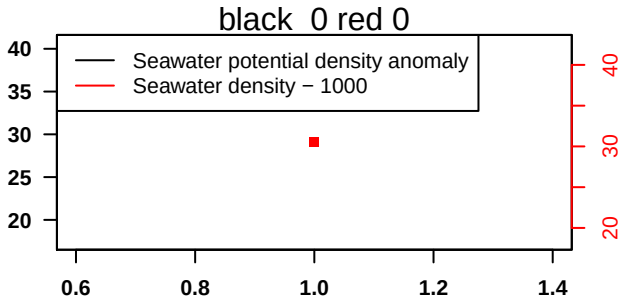
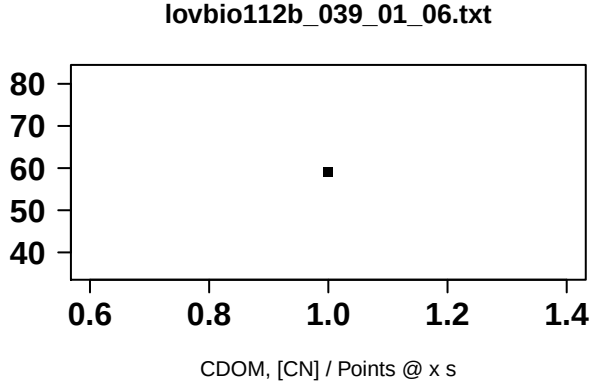
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_039_01_06.txt
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0.6
0.8
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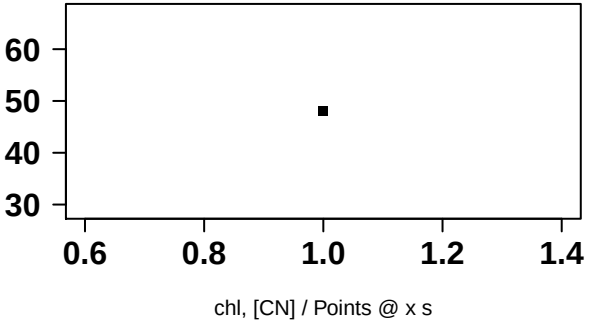
1.2
1.4
CDOM, [CN] / Points @ x s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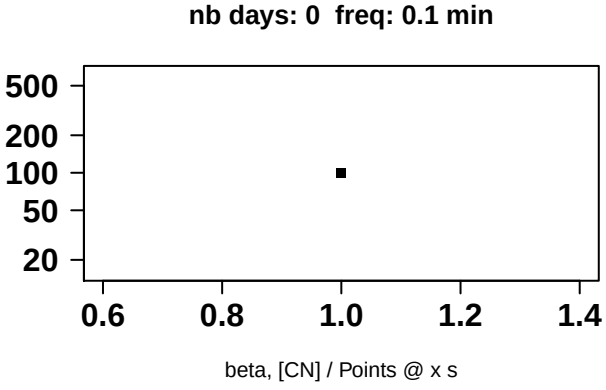
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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0.6
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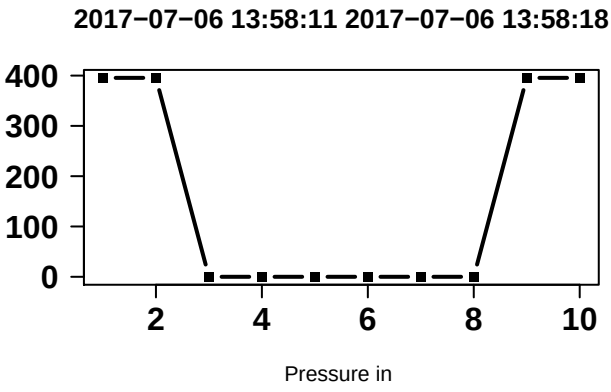
1.2
1.4
beta, [CN] / Points @ x s


2017−07−06 13:58:11 2017−07−06 13:58:18
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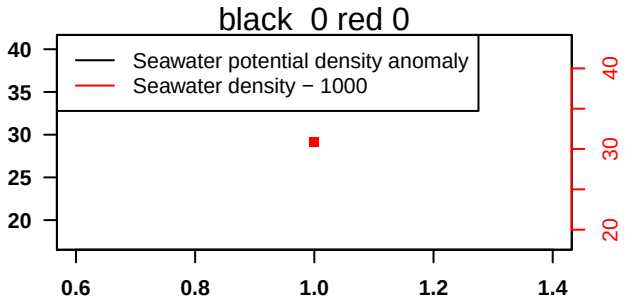
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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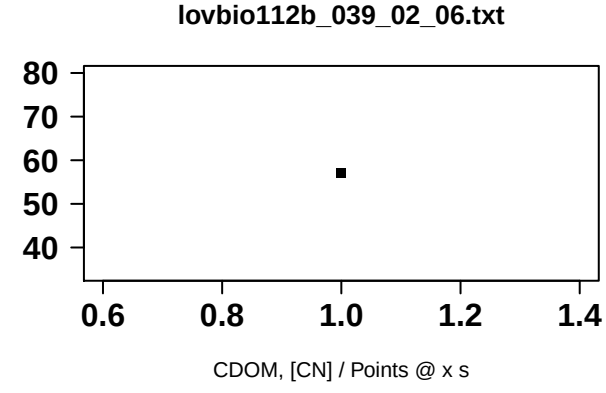
40
30
20


lovbio112b_039_02_06.txt
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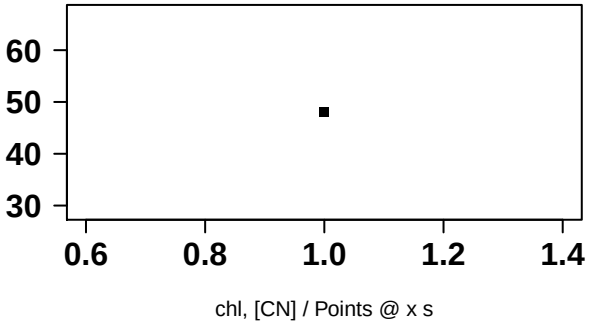
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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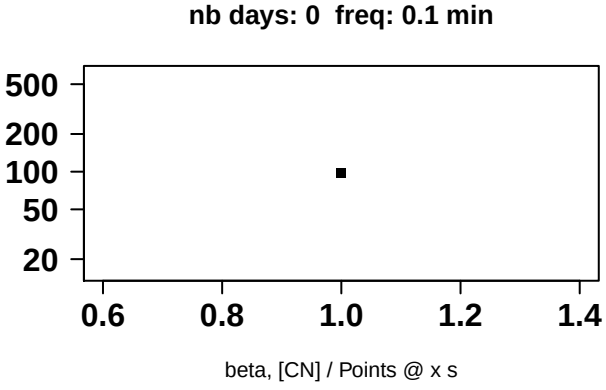
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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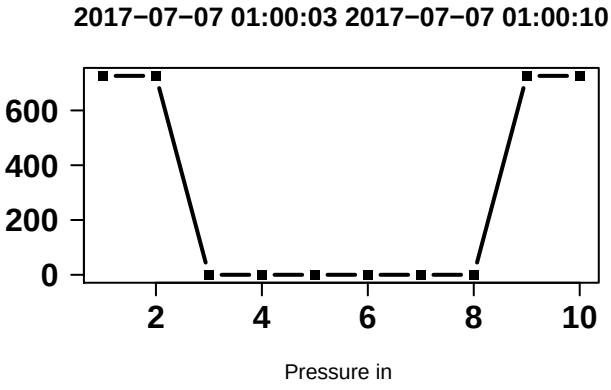
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−07 01:00:03 2017−07−07 01:00:10
600
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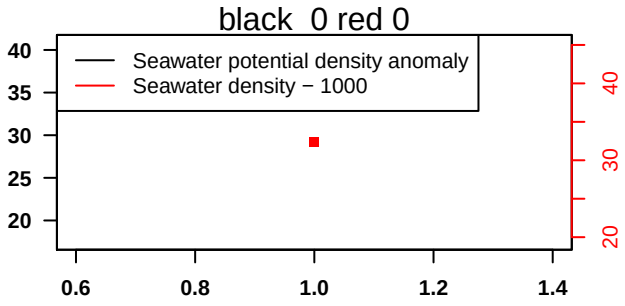
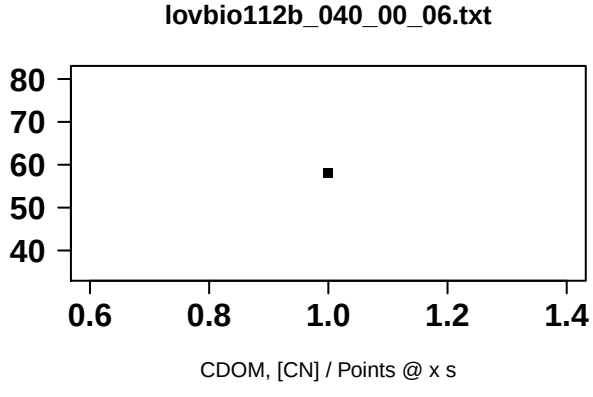
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_040_00_06.txt
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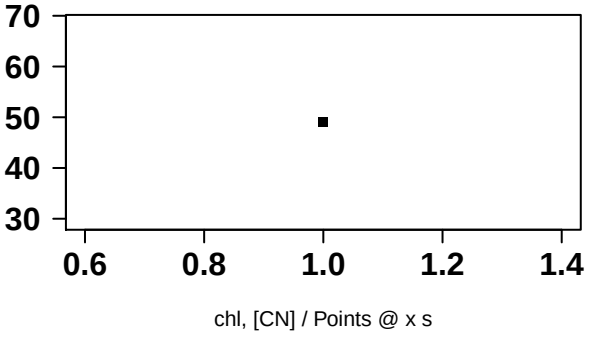
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


70
60
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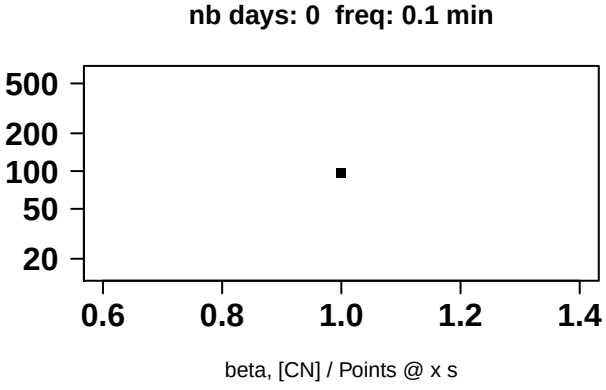
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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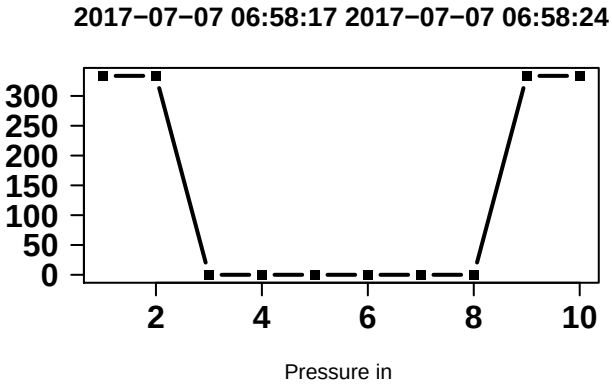
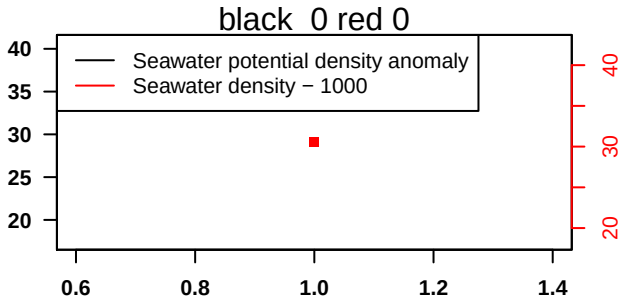
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−07 06:58:17 2017−07−07 06:58:24
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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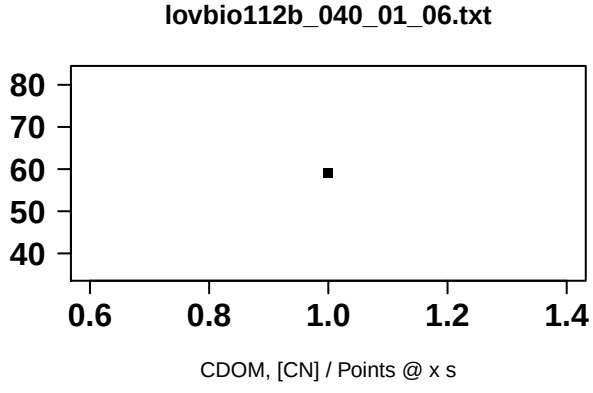
40
30
20


lovbio112b_040_01_06.txt
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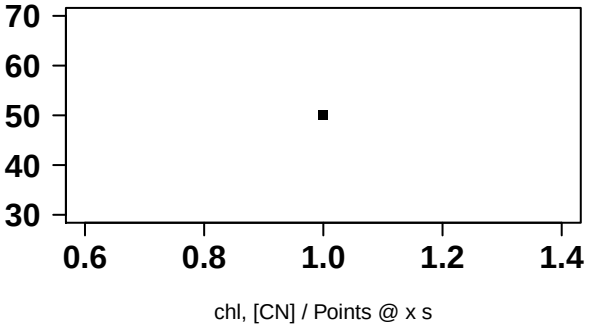
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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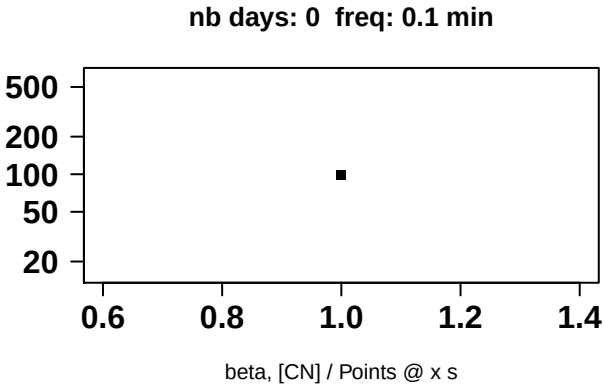
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
50
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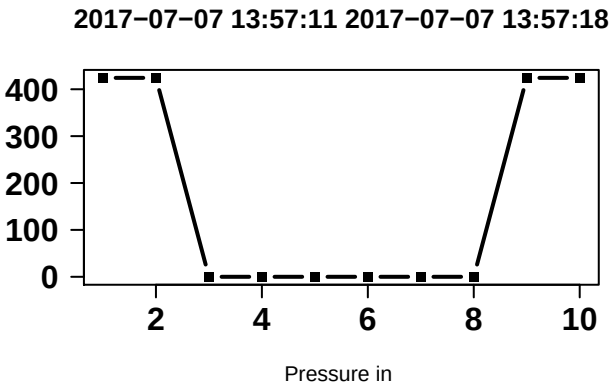
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−07 13:57:11 2017−07−07 13:57:18
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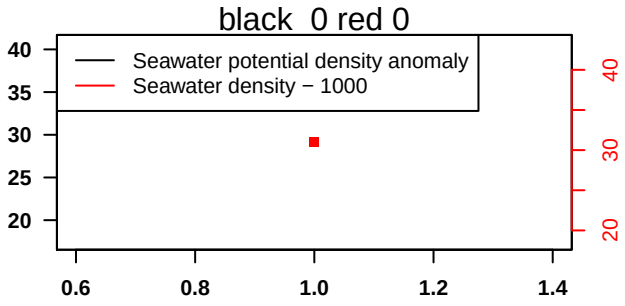
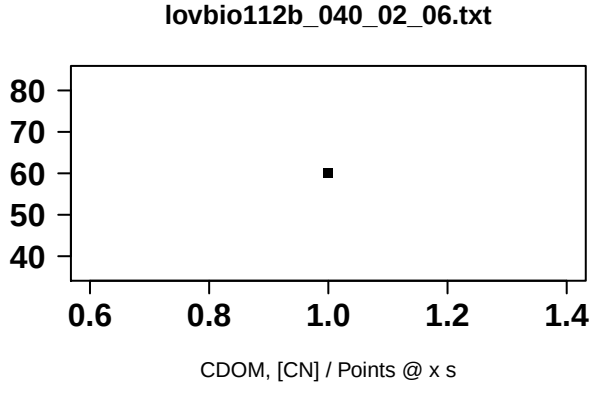
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_040_02_06.txt
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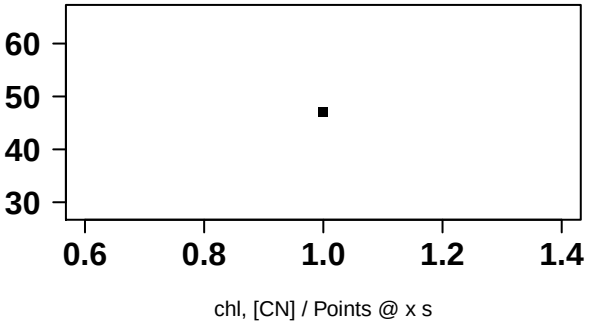
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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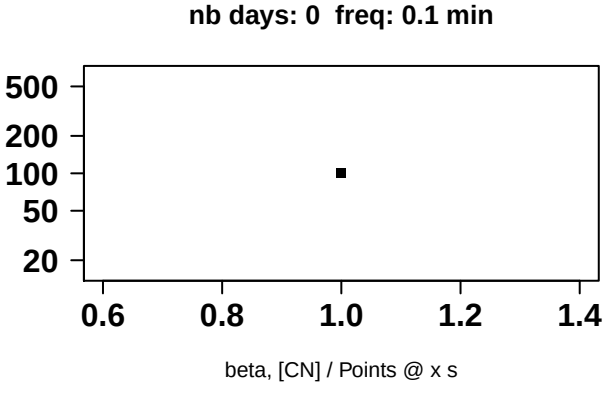
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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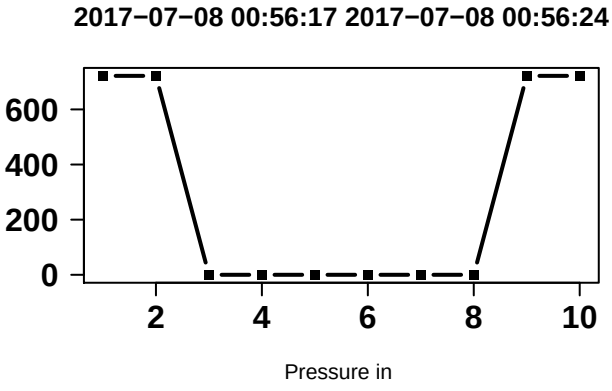
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−08 00:56:17 2017−07−08 00:56:24
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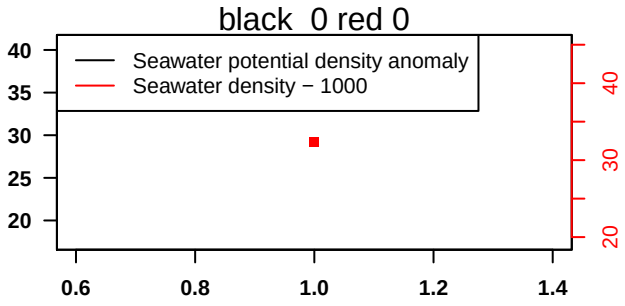
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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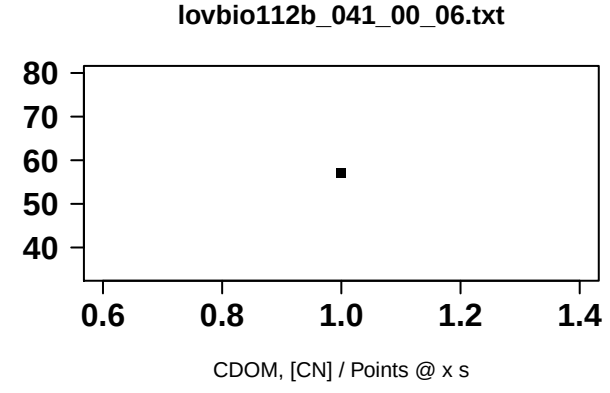
40
30
20


lovbio112b_041_00_06.txt
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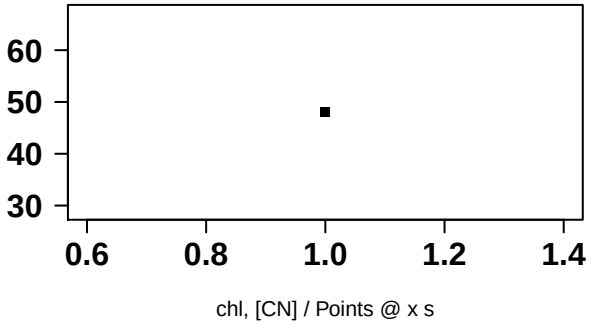
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
50
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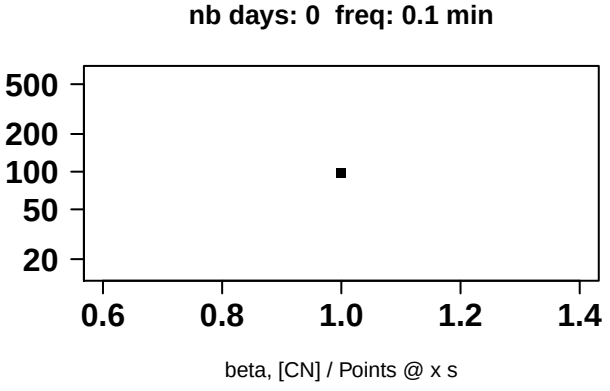
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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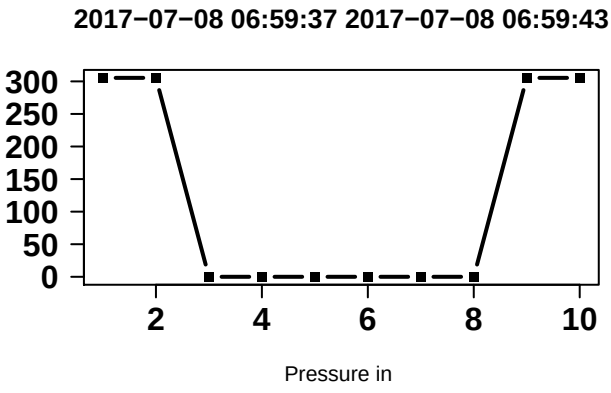
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−08 06:59:37 2017−07−08 06:59:43
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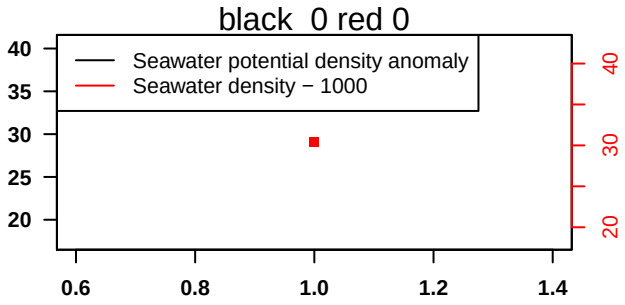
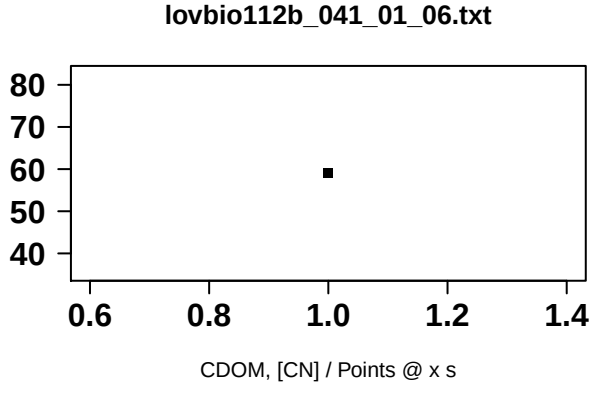
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_041_01_06.txt
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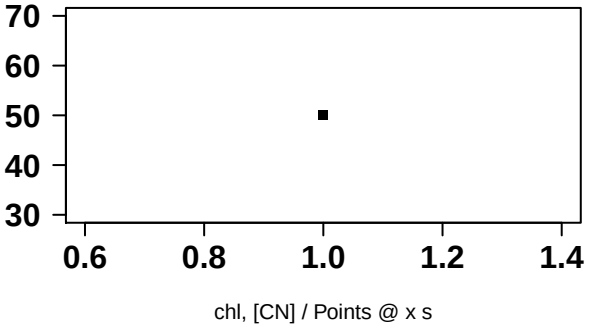
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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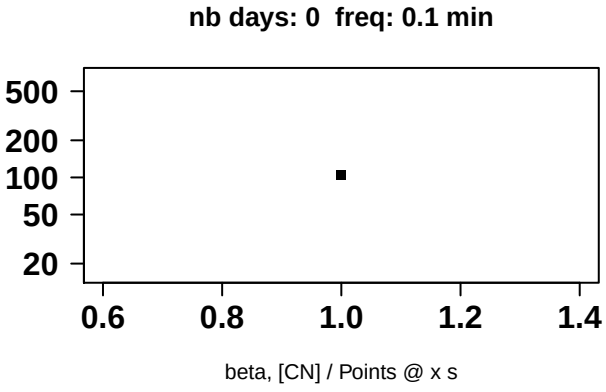
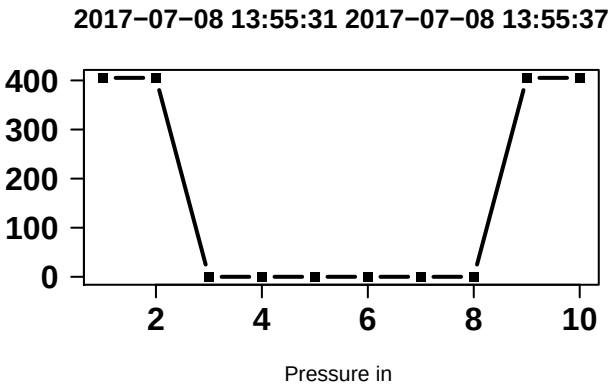
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−07−08 13:55:31 2017−07−08 13:55:37
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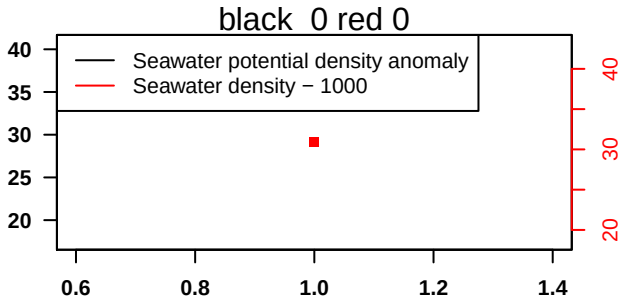
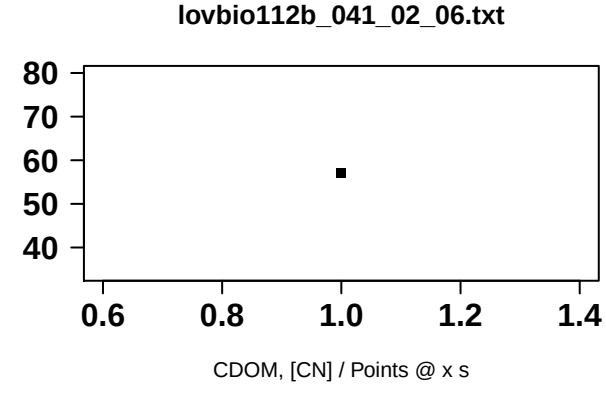
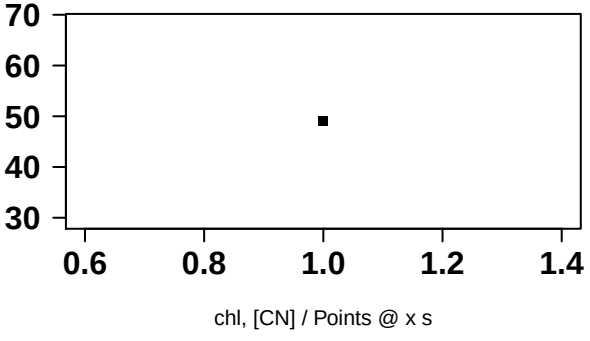
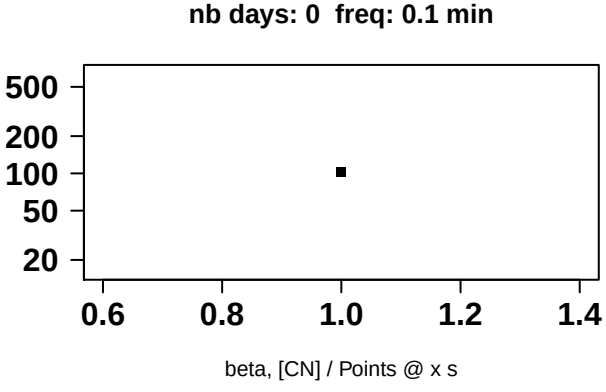
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_041_02_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
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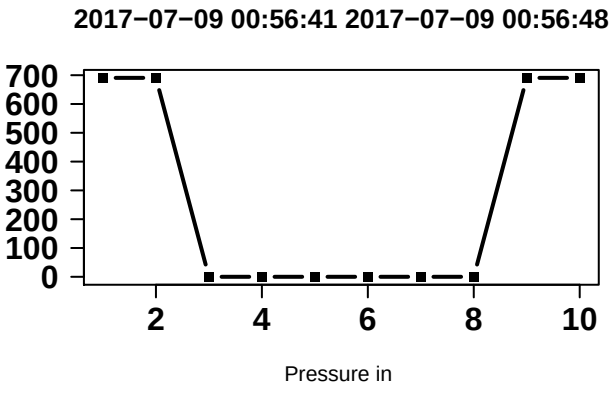
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−09 00:56:41 2017−07−09 00:56:48
700
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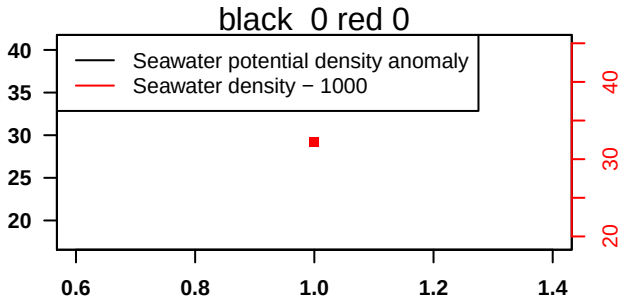
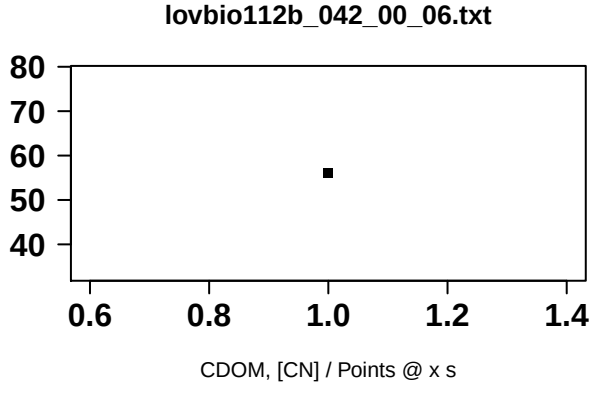
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_042_00_06.txt
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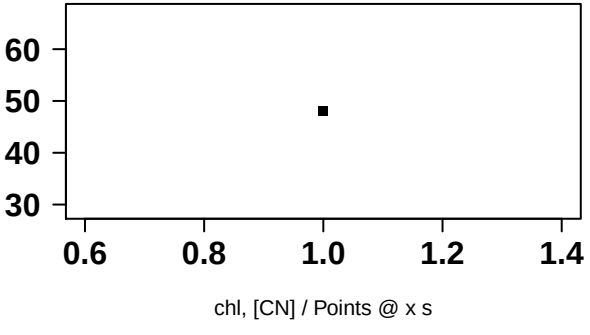
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
50
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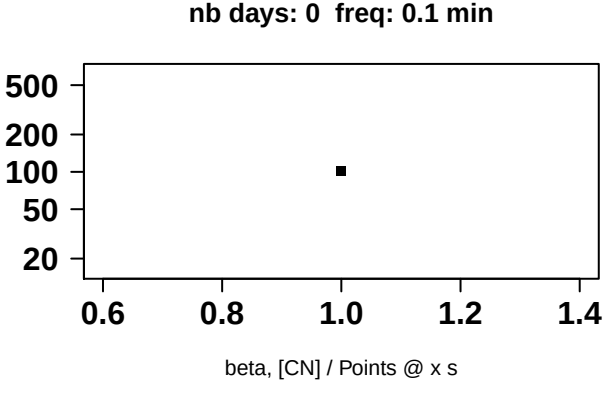
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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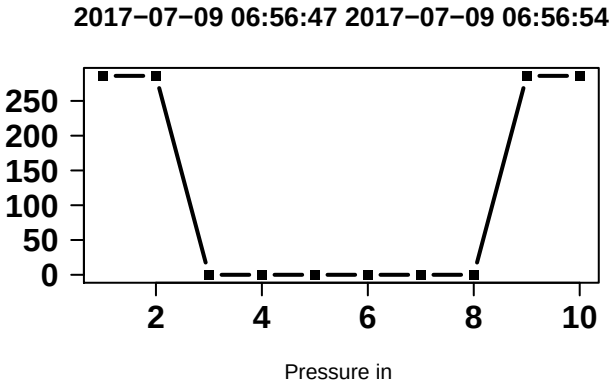
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−09 06:56:47 2017−07−09 06:56:54
250
200
150
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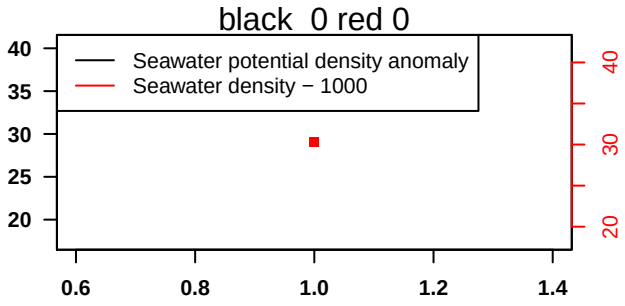
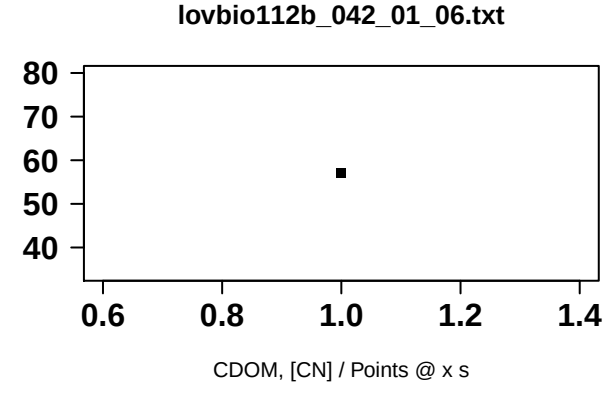
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_042_01_06.txt
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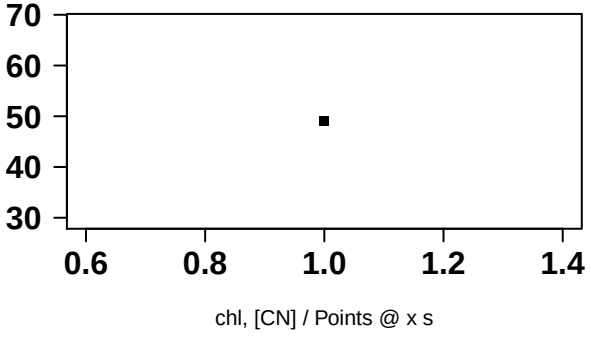
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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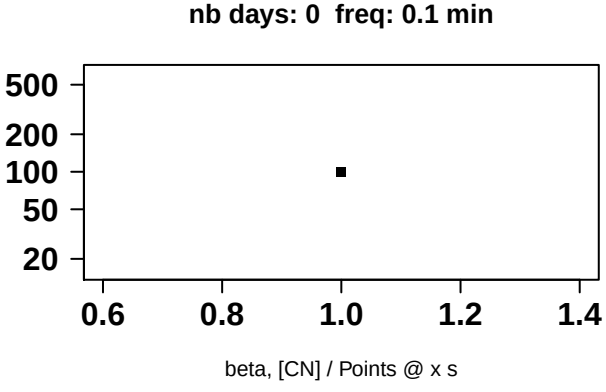
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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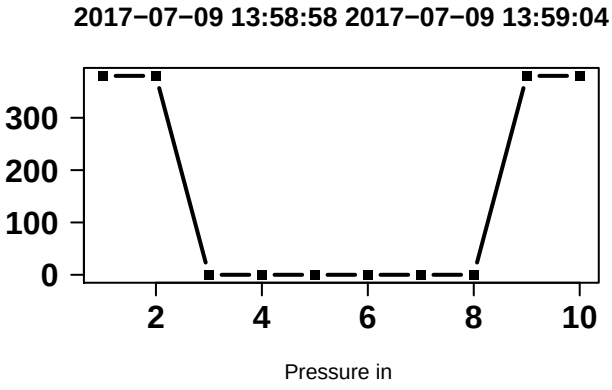
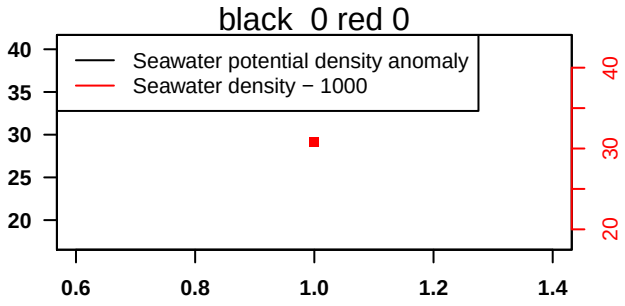
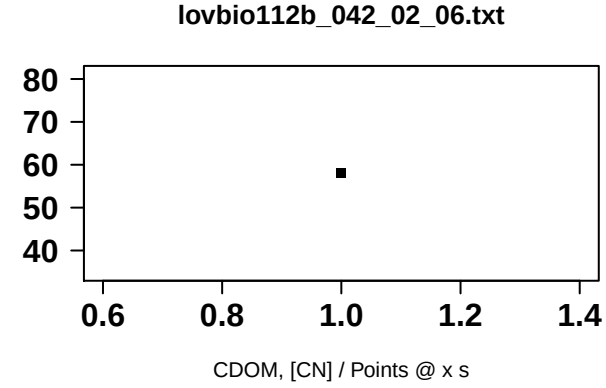
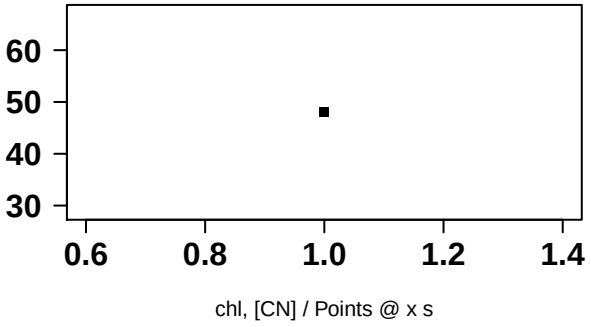
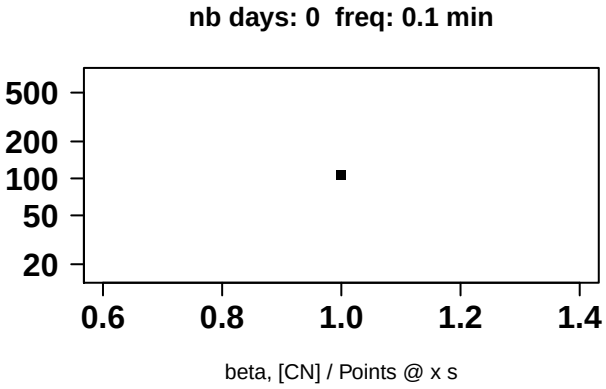
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−09 13:58:58 2017−07−09 13:59:04
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_042_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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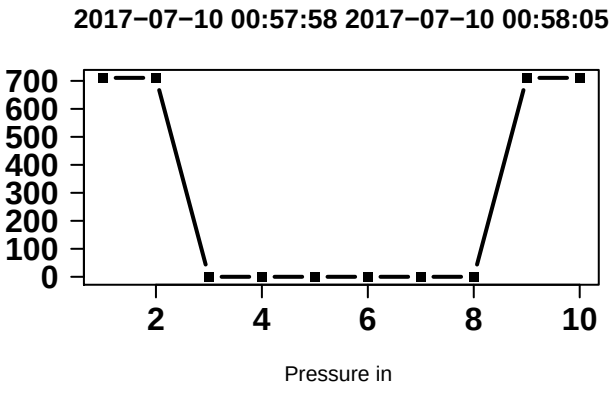
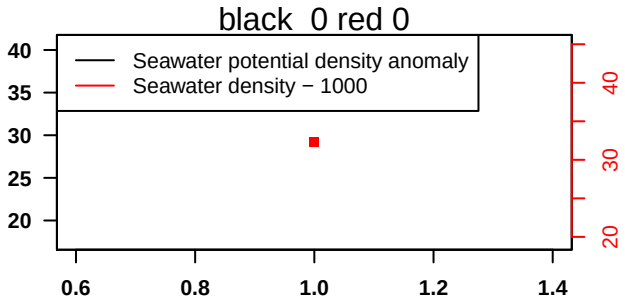
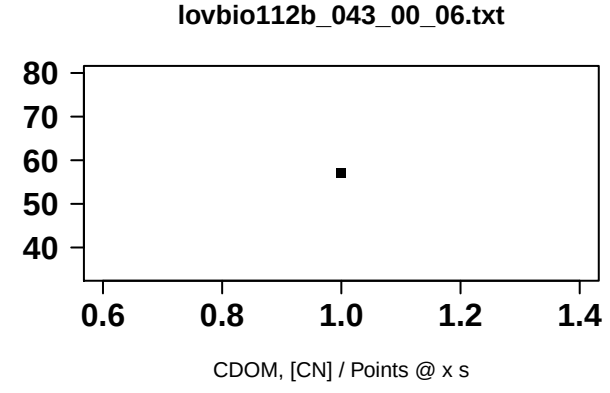
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−10 00:57:58 2017−07−10 00:58:05
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_043_00_06.txt
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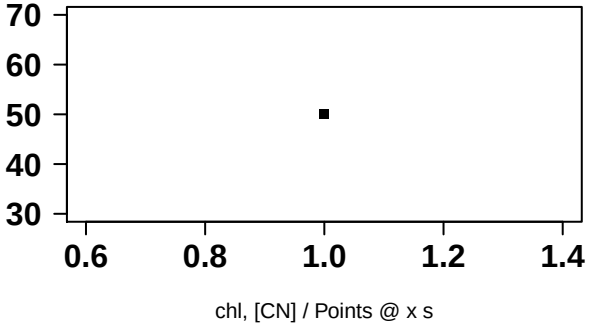
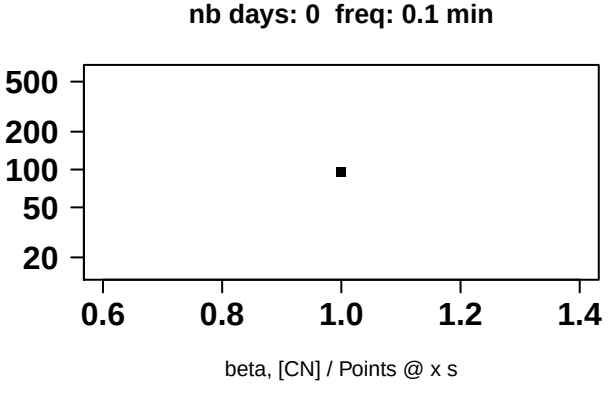
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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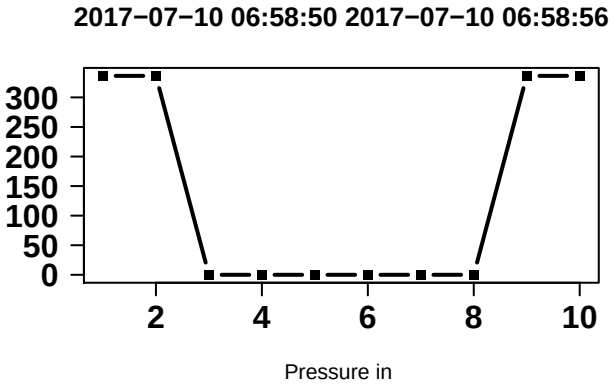
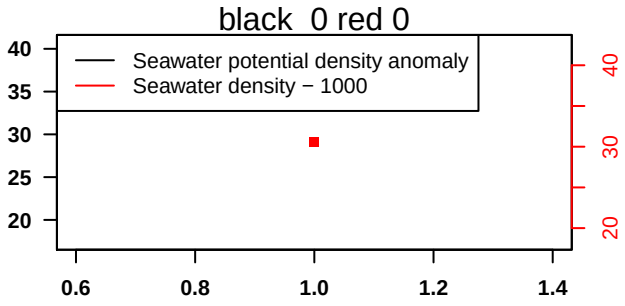
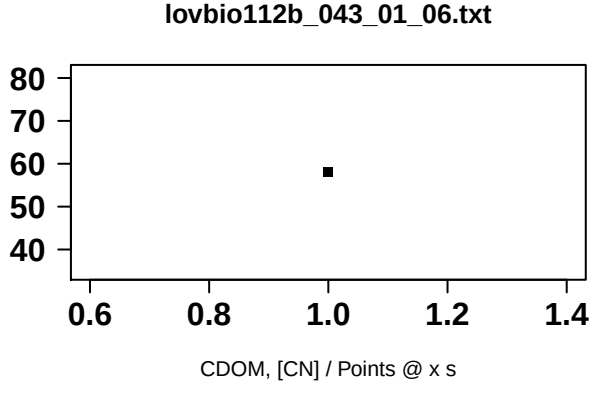
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−10 06:58:50 2017−07−10 06:58:56
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_043_01_06.txt
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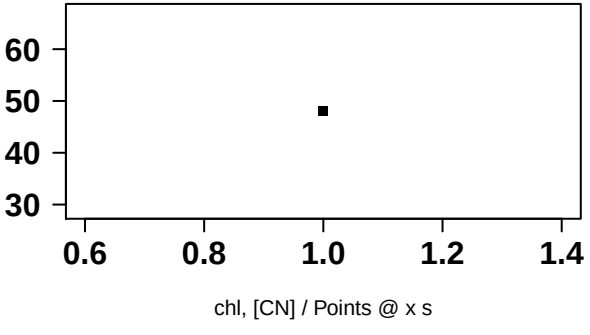
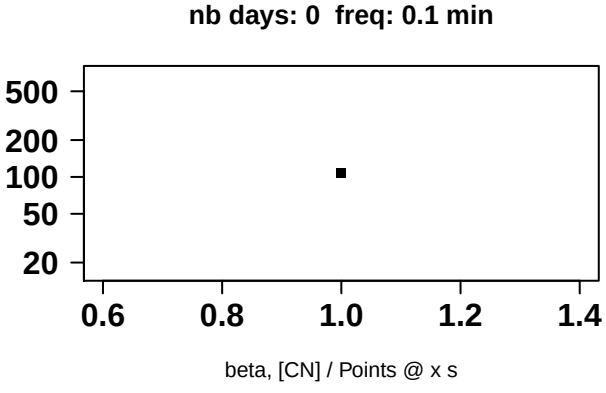
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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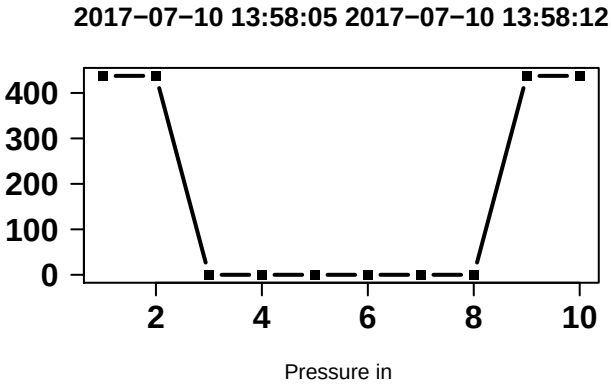
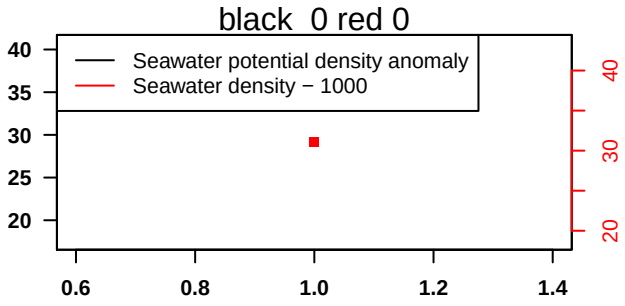
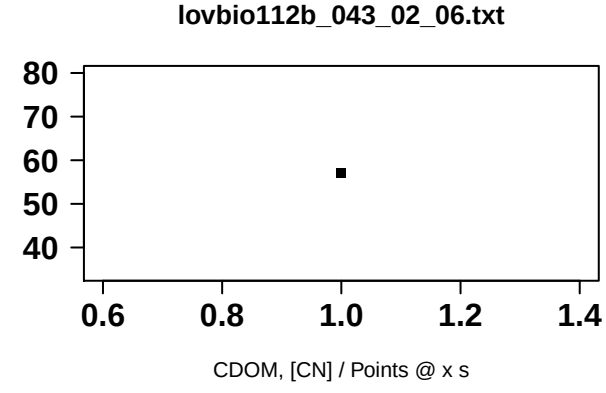
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−10 13:58:05 2017−07−10 13:58:12
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_043_02_06.txt
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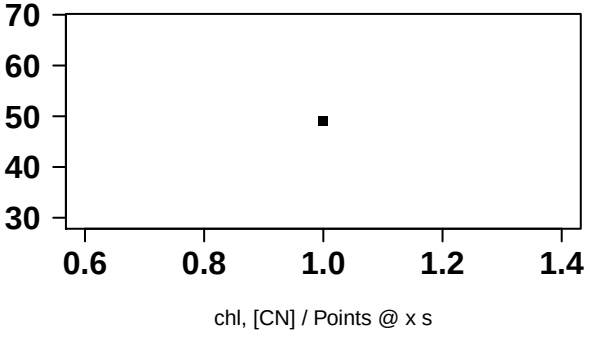
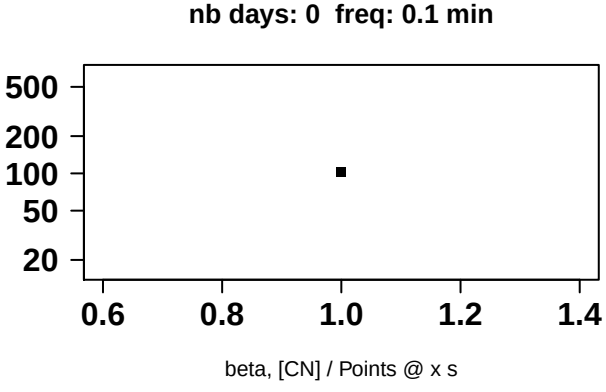
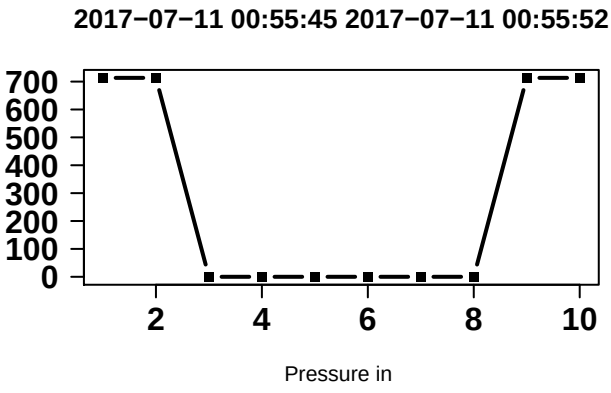
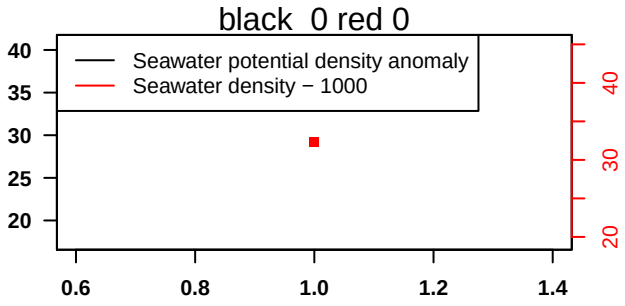
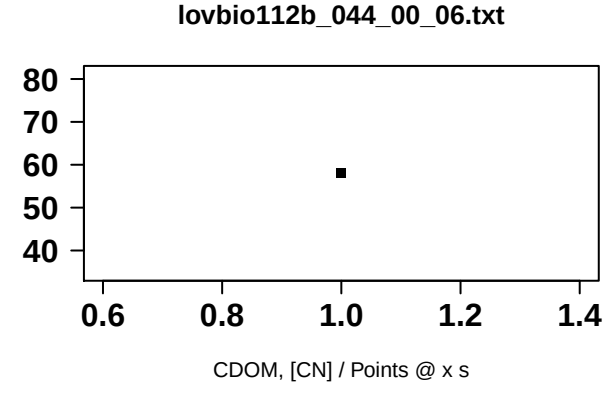
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−07−11 00:55:45 2017−07−11 00:55:52
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_044_00_06.txt
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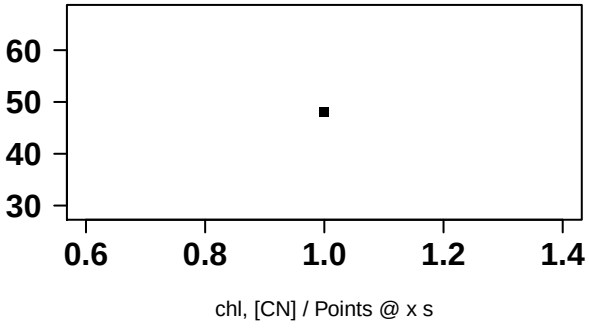
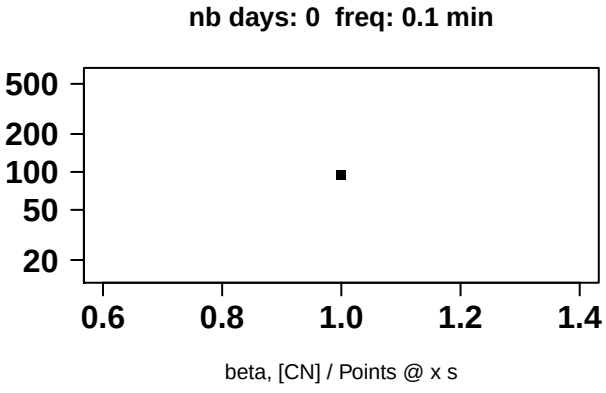
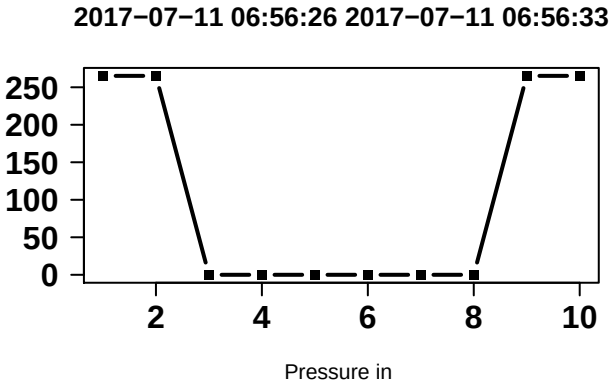
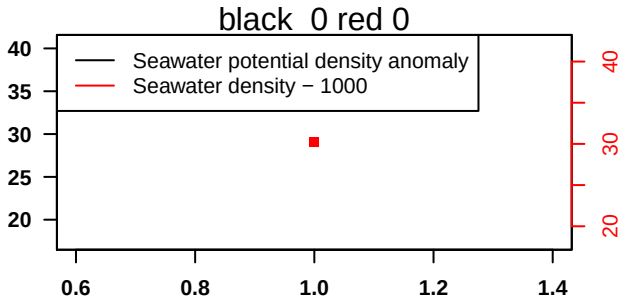
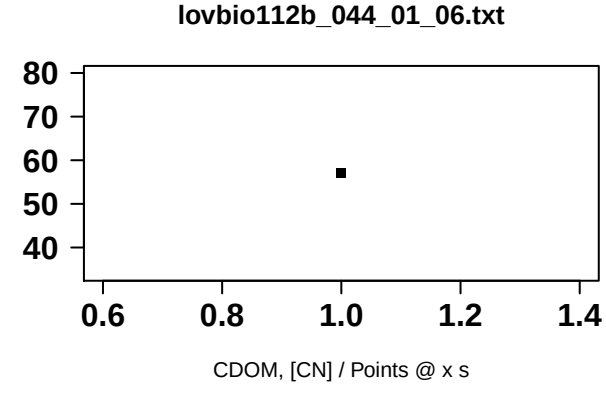
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

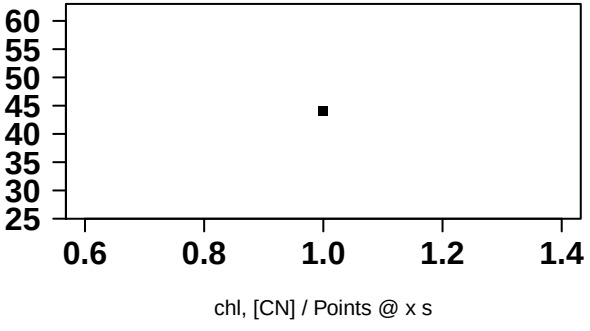

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−07−11 06:56:26 2017−07−11 06:56:33
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_044_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
55
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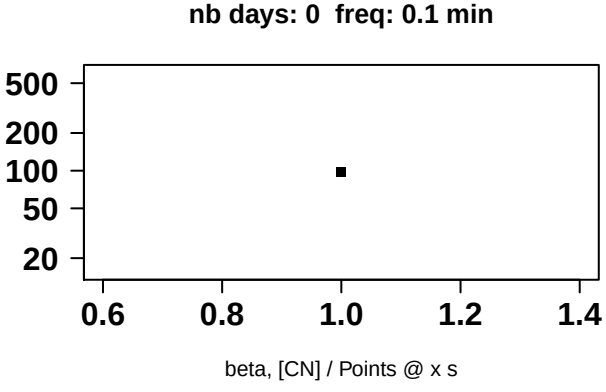
40
35
30
25
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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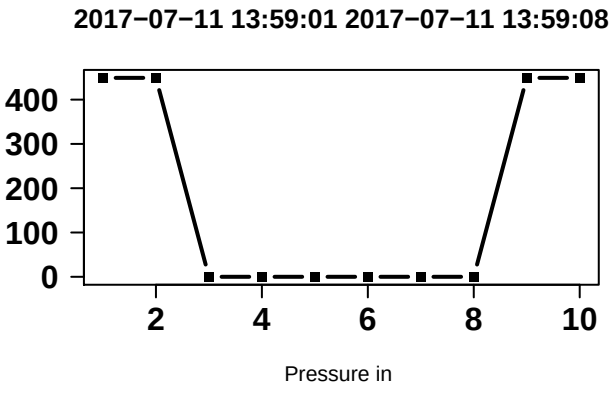
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−11 13:59:01 2017−07−11 13:59:08
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100
0
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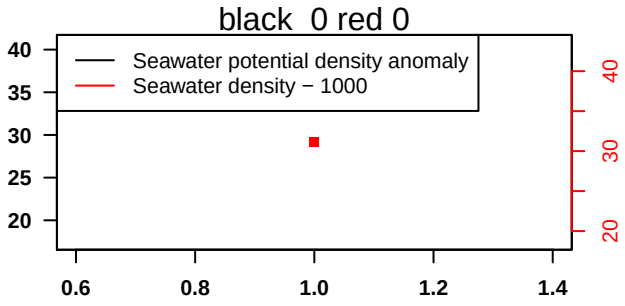
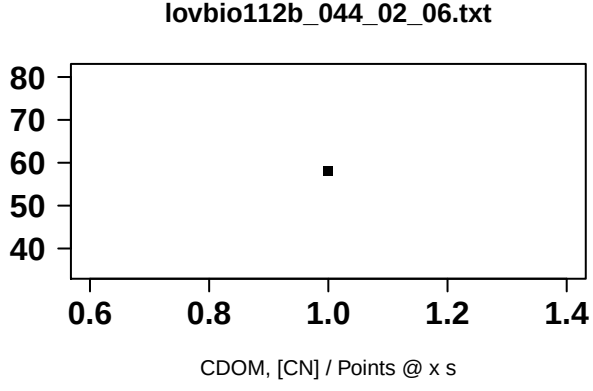
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_044_02_06.txt
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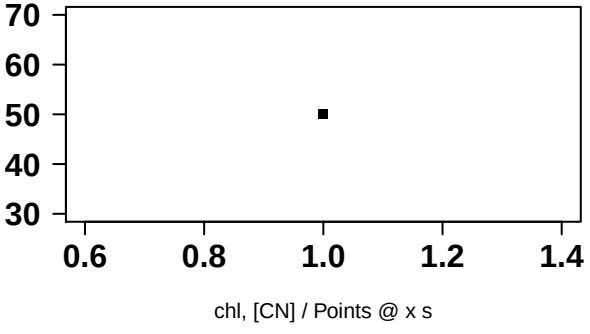
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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30
0.6
0.8
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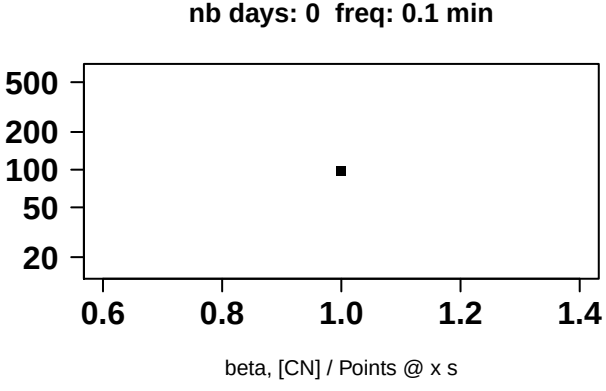
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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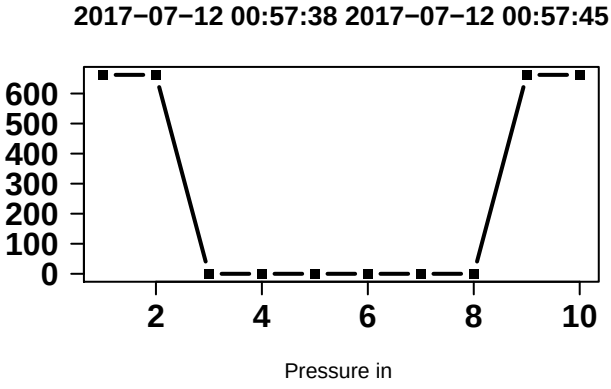
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−12 00:57:38 2017−07−12 00:57:45
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500
400
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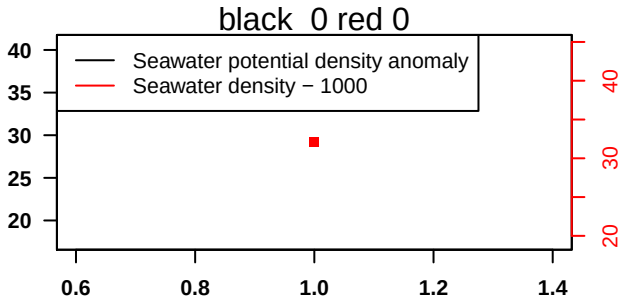
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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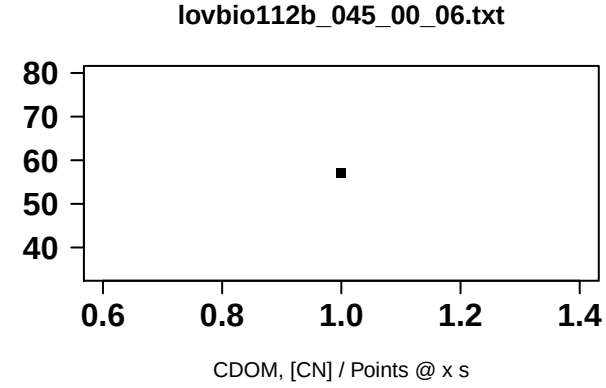
40
30
20


lovbio112b_045_00_06.txt
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70
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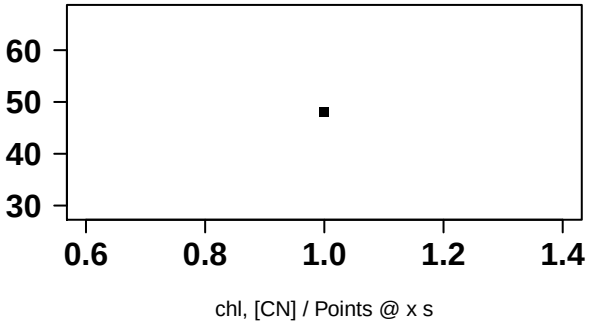
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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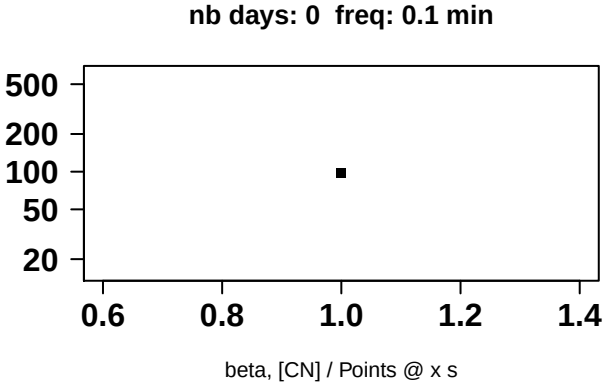
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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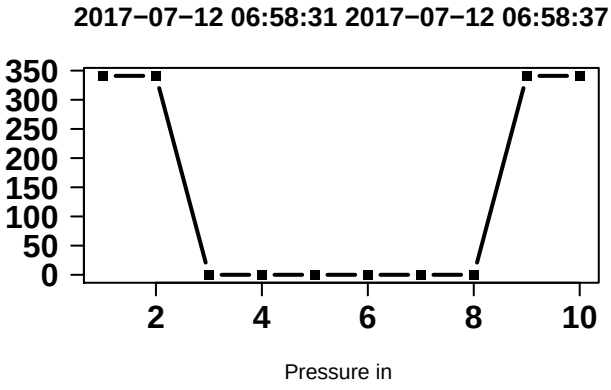
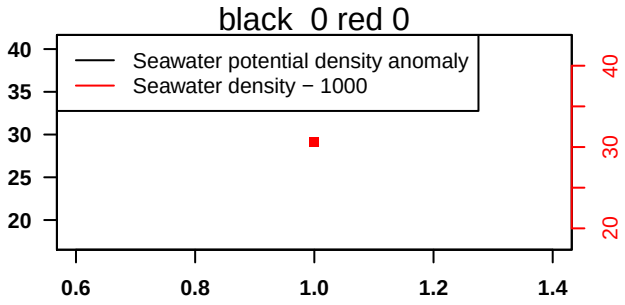
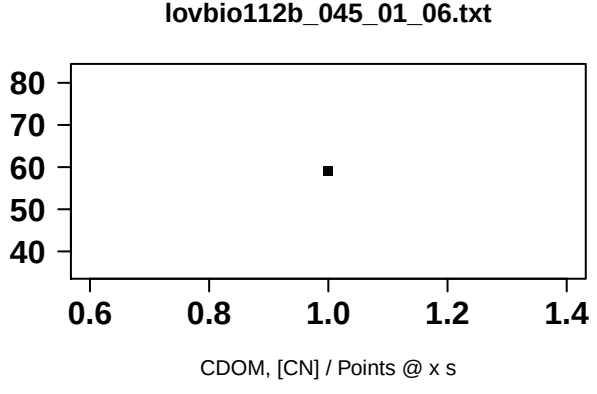
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−12 06:58:31 2017−07−12 06:58:37
350
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_045_01_06.txt
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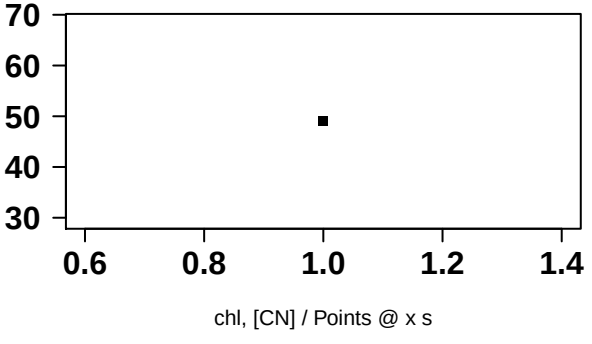
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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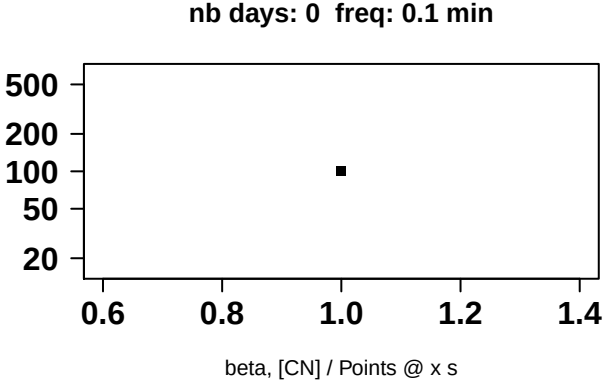
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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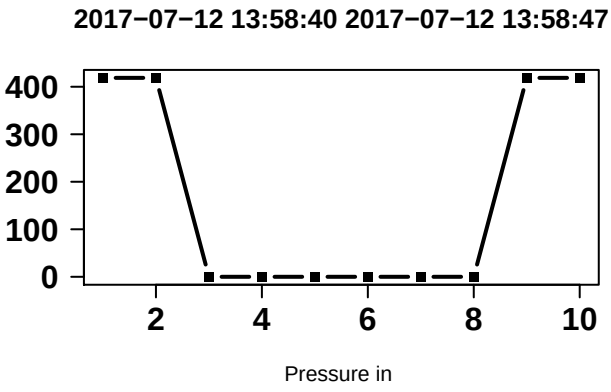
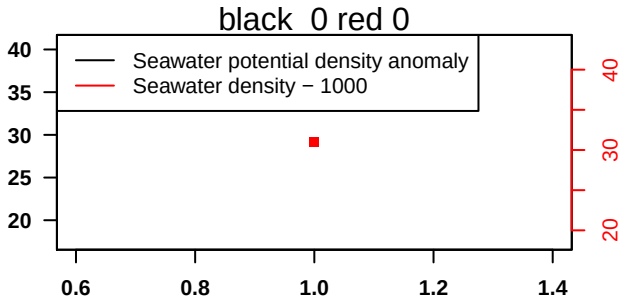
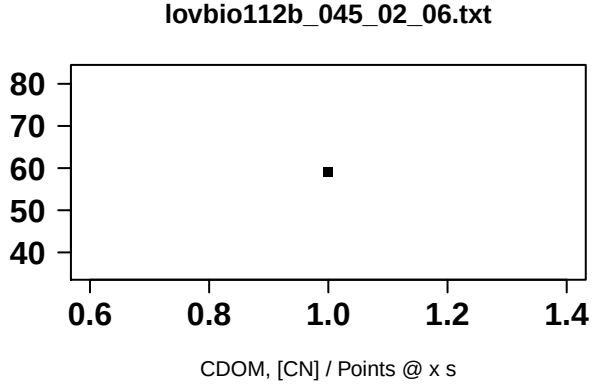
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−12 13:58:40 2017−07−12 13:58:47
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_045_02_06.txt
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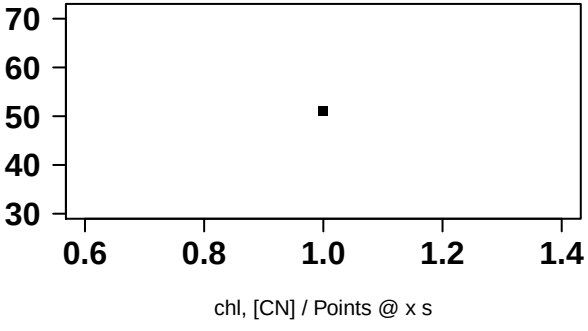
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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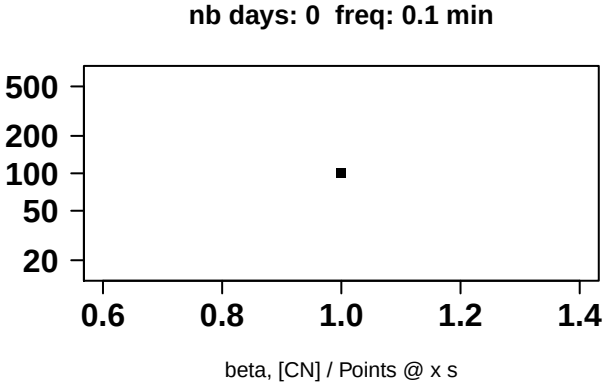
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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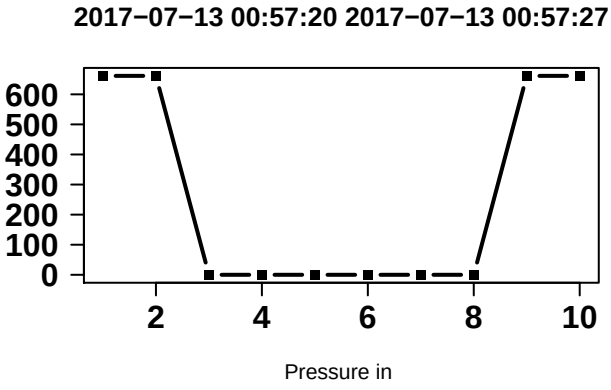
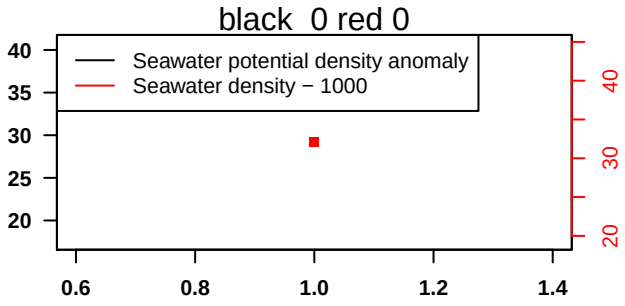
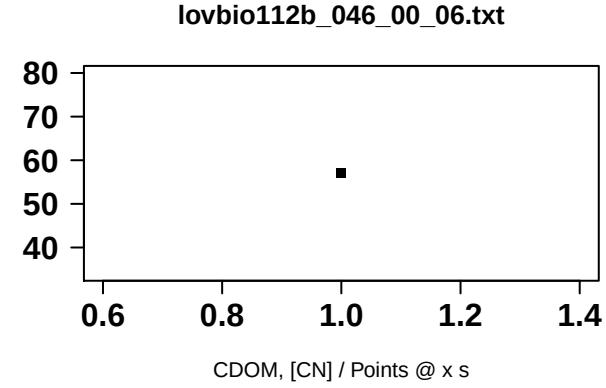
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−13 00:57:20 2017−07−13 00:57:27
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_046_00_06.txt
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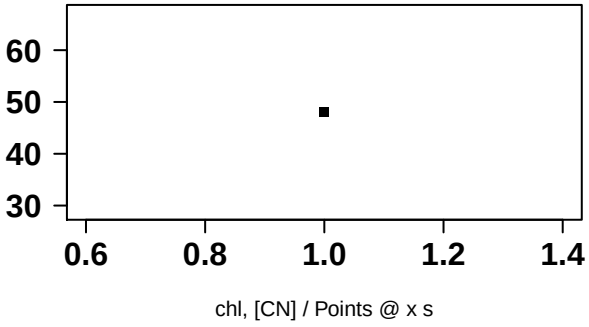
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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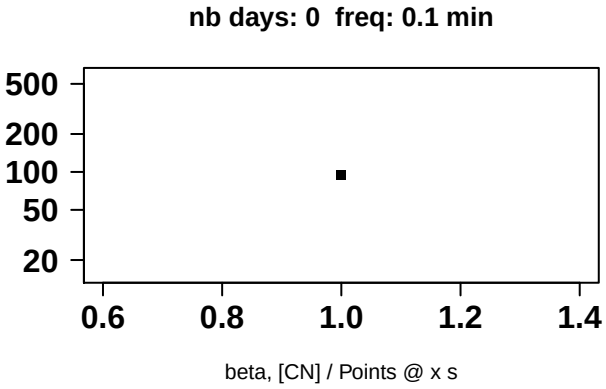
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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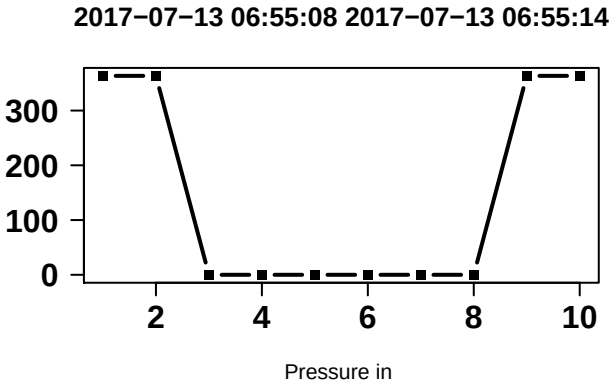
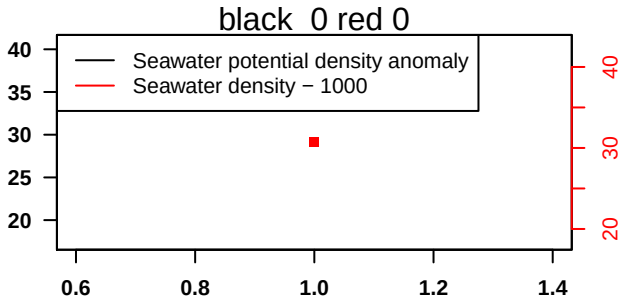
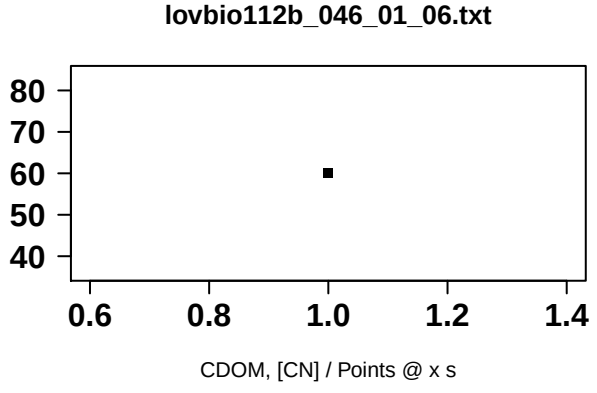
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−13 06:55:08 2017−07−13 06:55:14
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_046_01_06.txt
80
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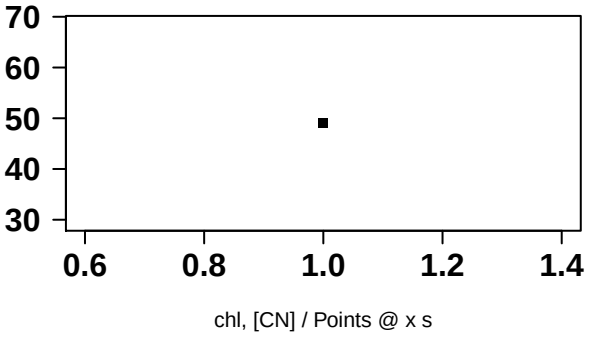
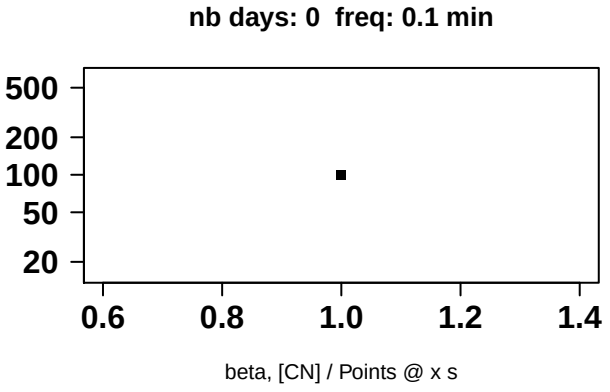
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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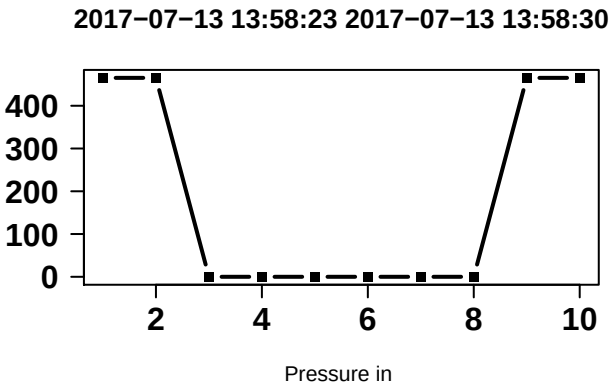
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−13 13:58:23 2017−07−13 13:58:30
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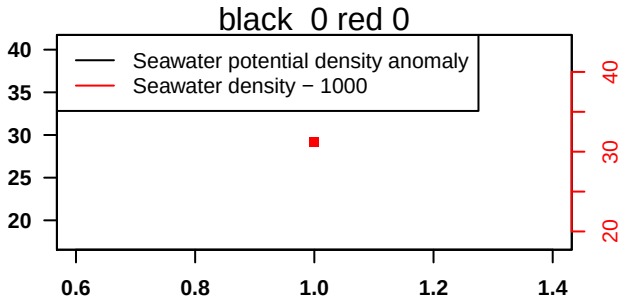
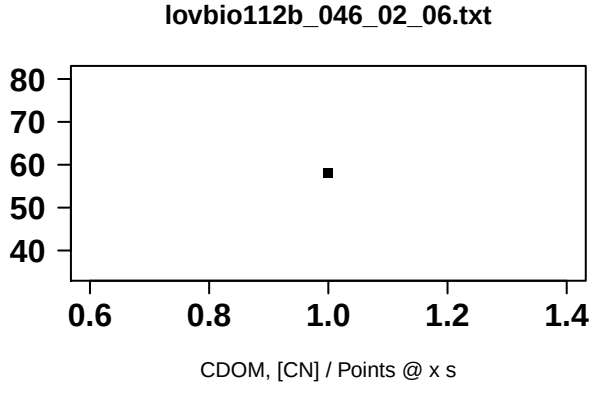
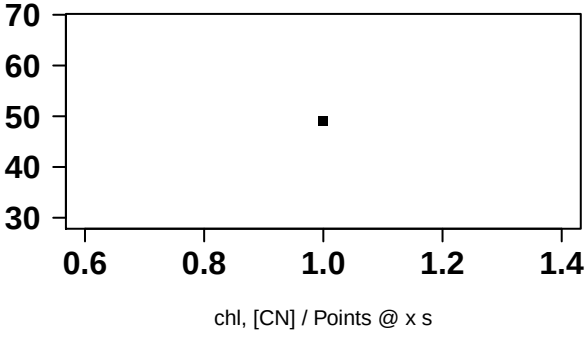
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_046_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


70
60
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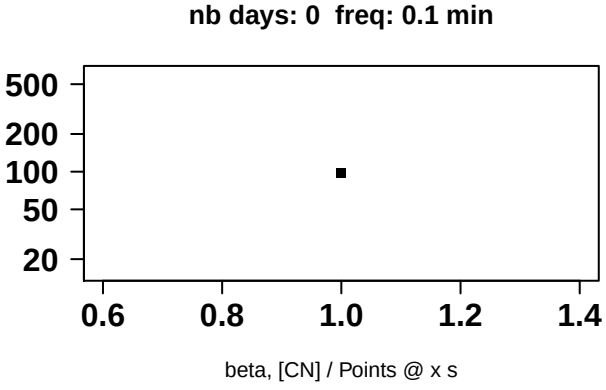
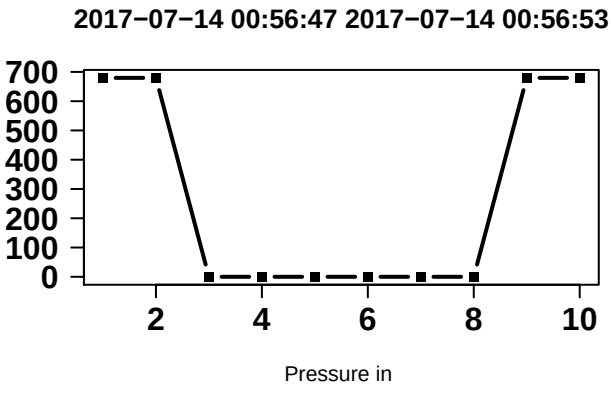
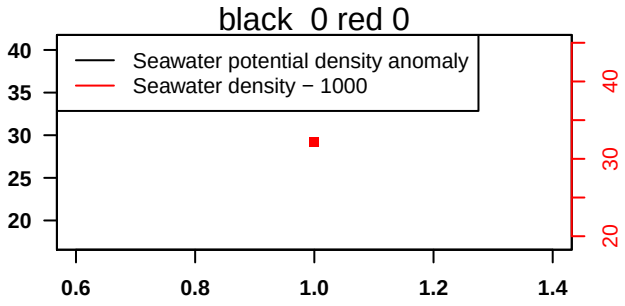
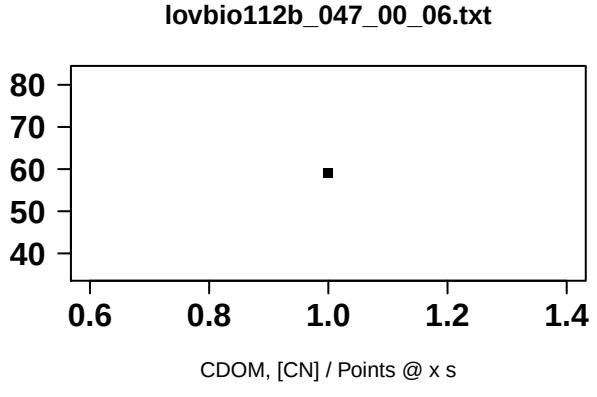
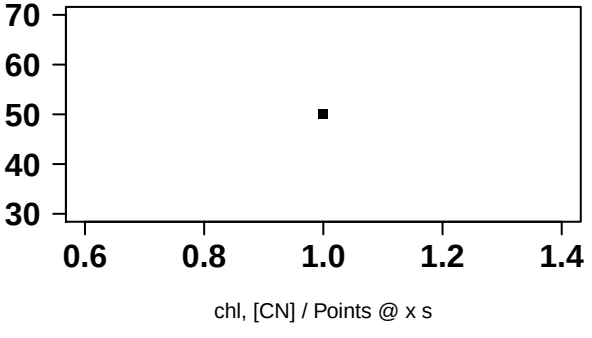
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

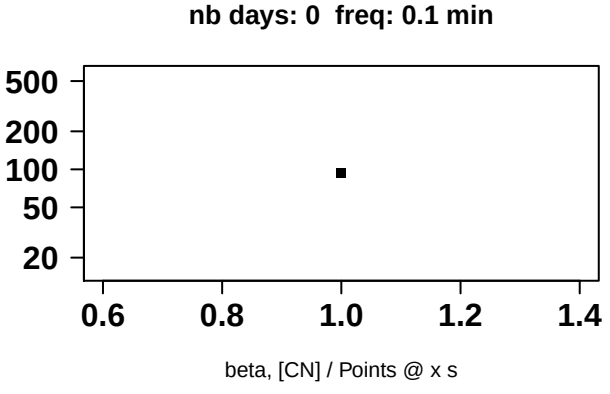

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−14 00:56:47 2017−07−14 00:56:53
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_047_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
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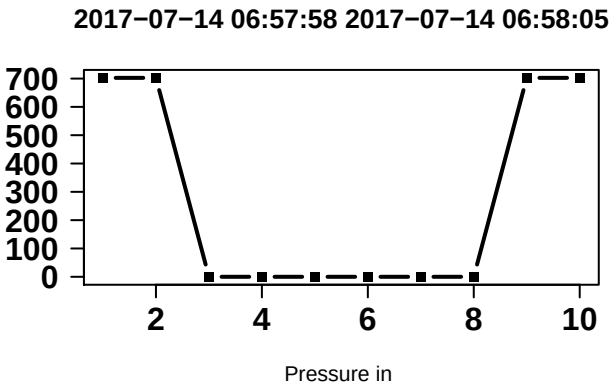
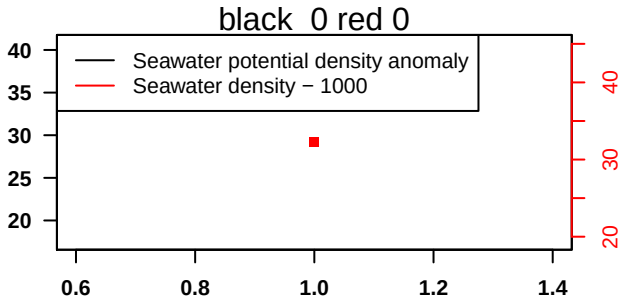
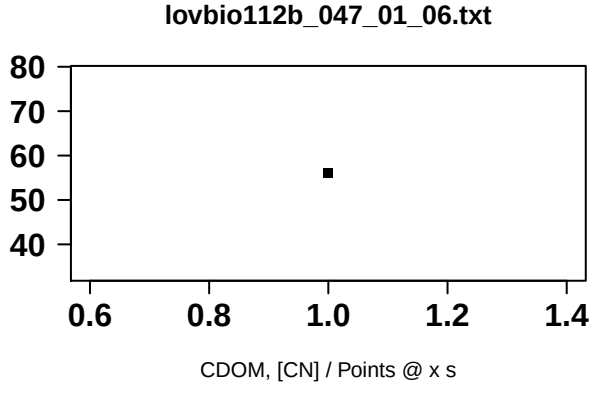
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−14 06:57:58 2017−07−14 06:58:05
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_047_01_06.txt
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70
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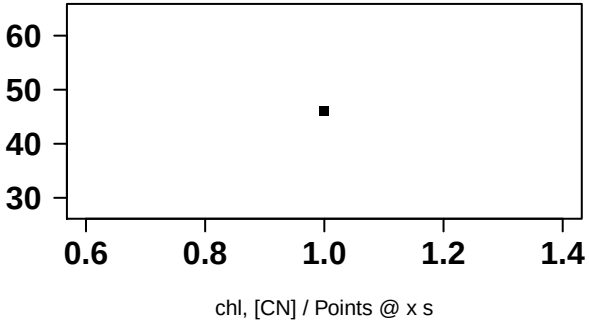
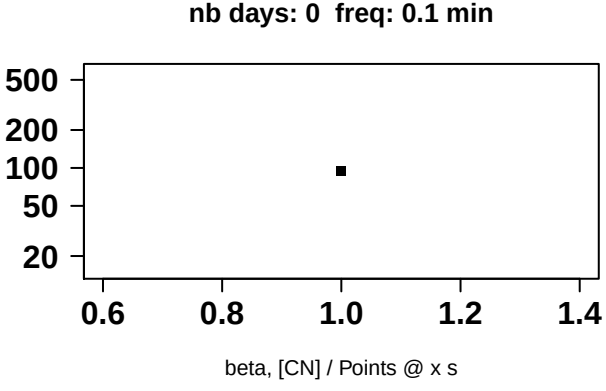
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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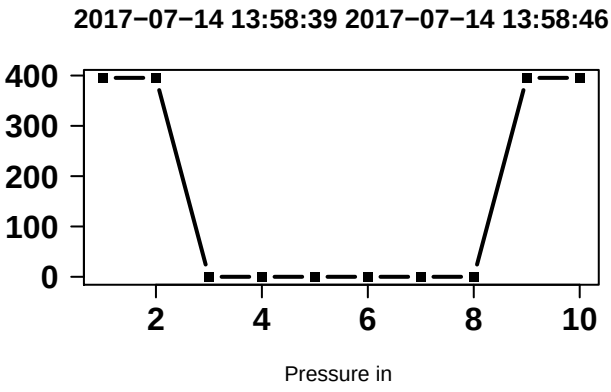
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−14 13:58:39 2017−07−14 13:58:46
400
300
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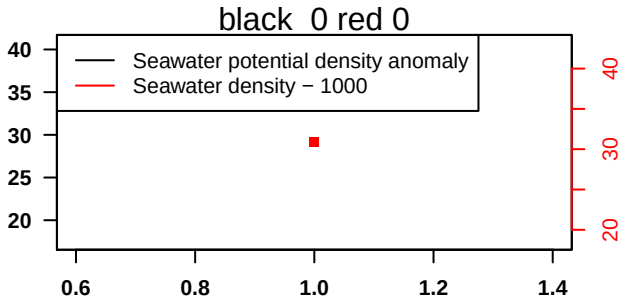
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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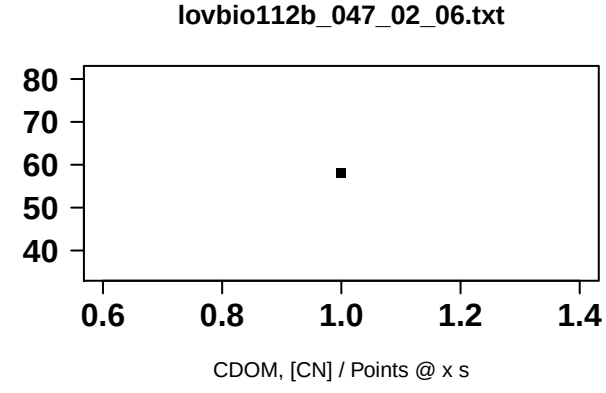
40
30
20


lovbio112b_047_02_06.txt
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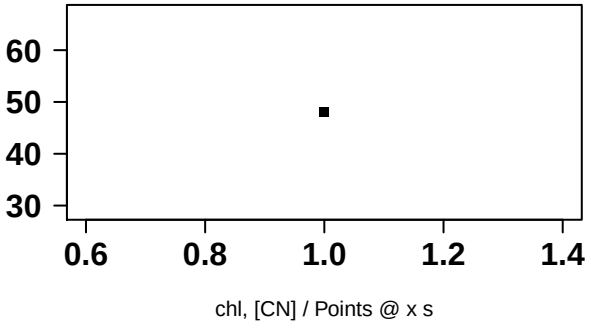
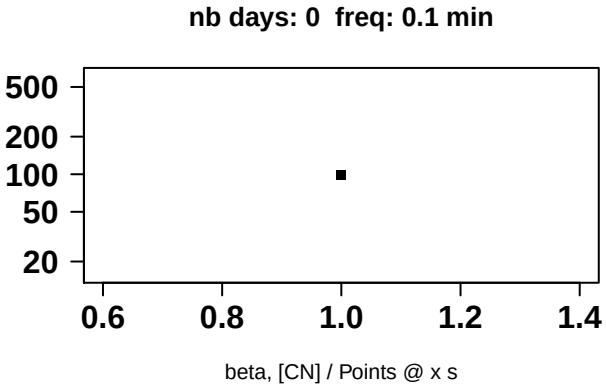
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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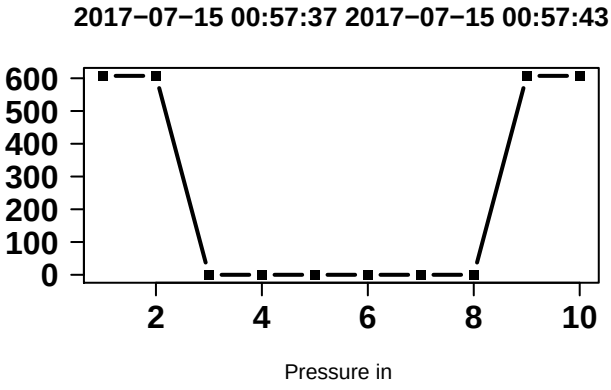
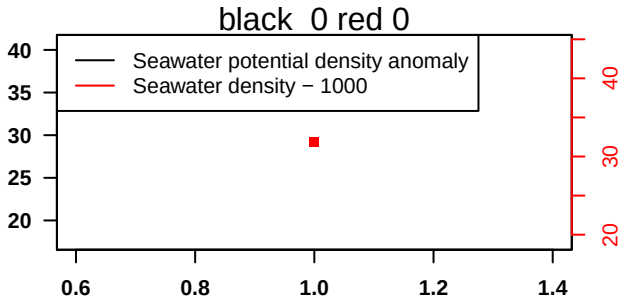
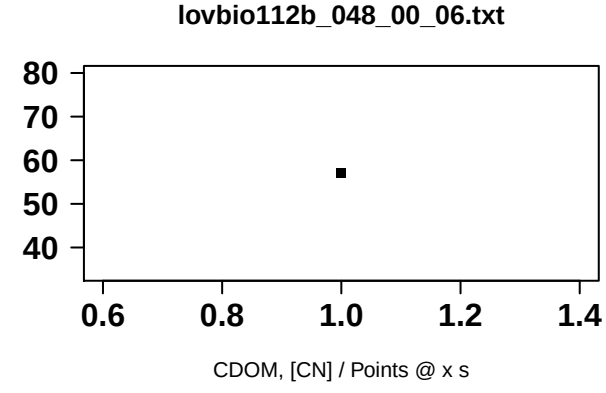
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−15 00:57:37 2017−07−15 00:57:43
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_048_00_06.txt
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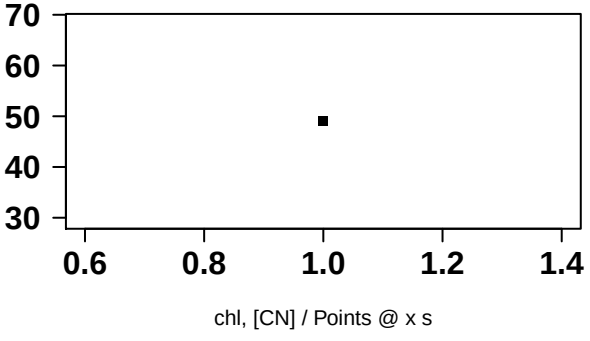
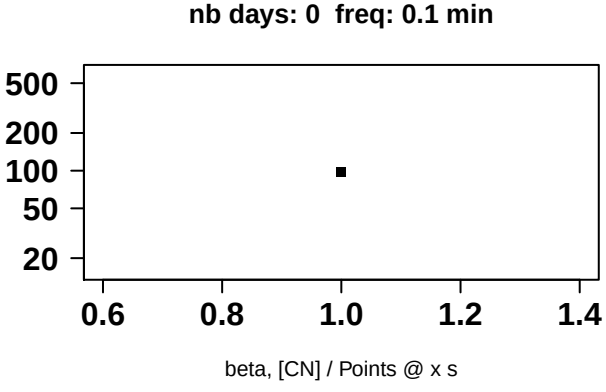
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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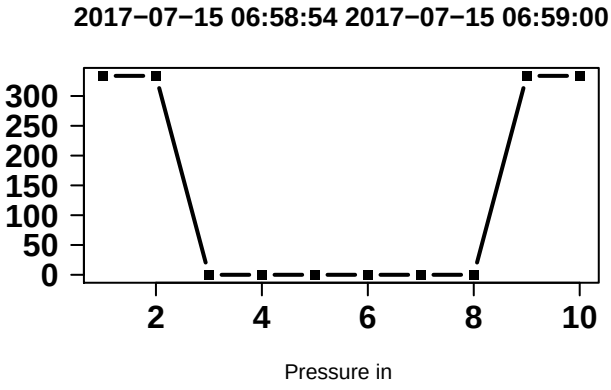
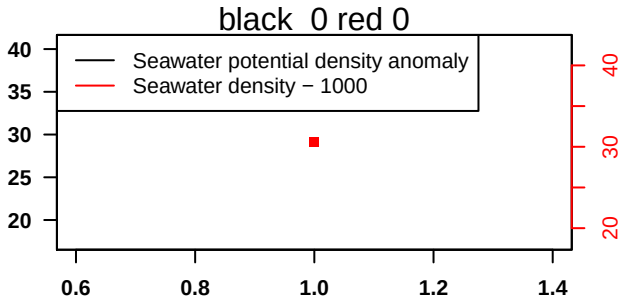
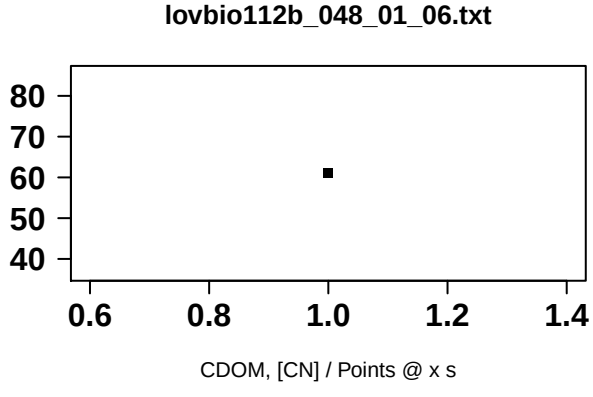
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−15 06:58:54 2017−07−15 06:59:00
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_048_01_06.txt
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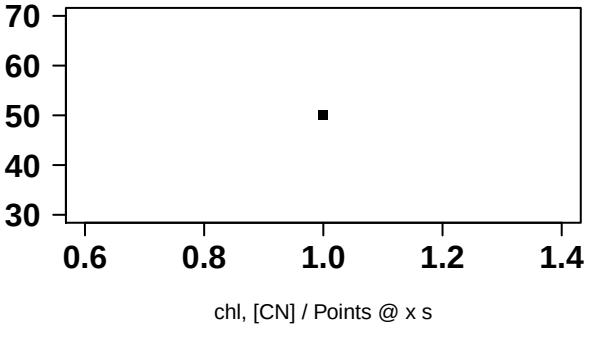
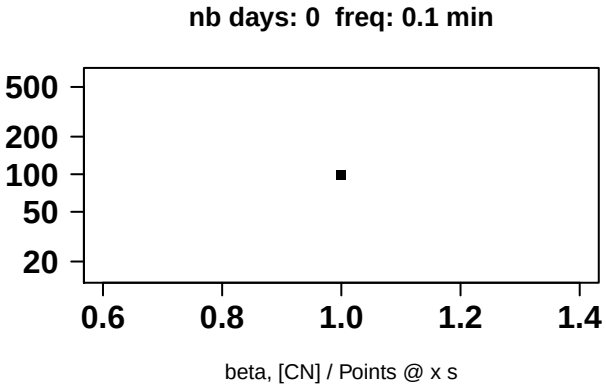
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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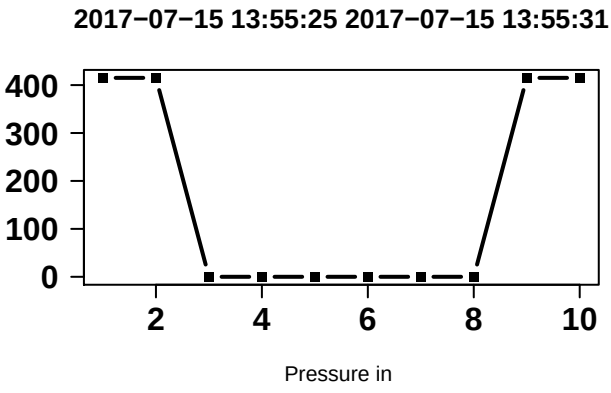
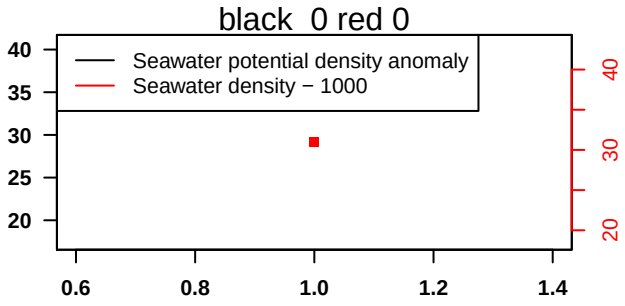
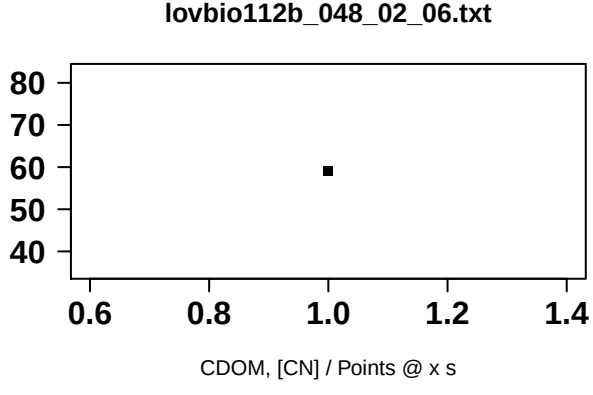
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−15 13:55:25 2017−07−15 13:55:31
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_048_02_06.txt
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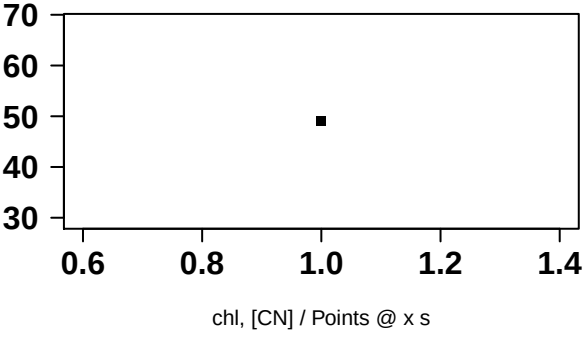
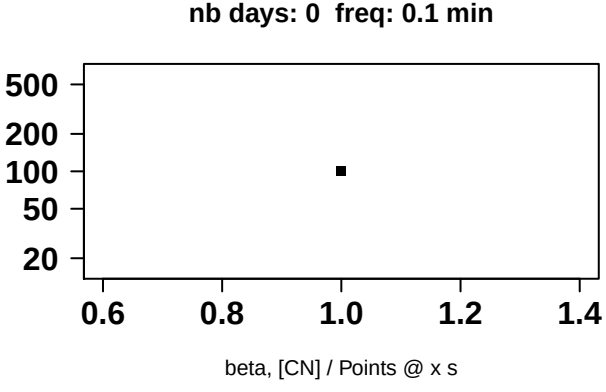
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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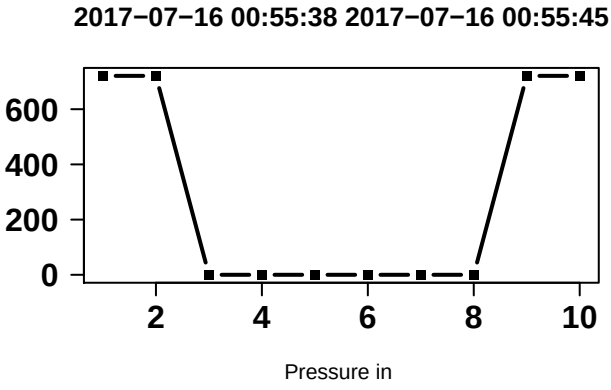
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−16 00:55:38 2017−07−16 00:55:45
600
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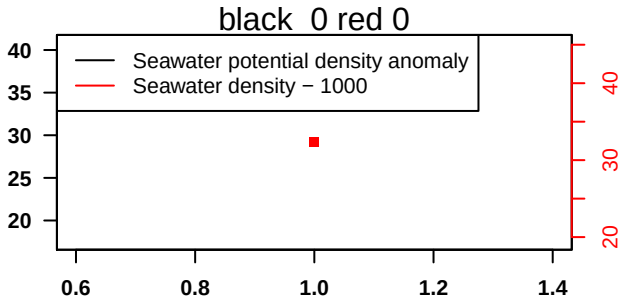
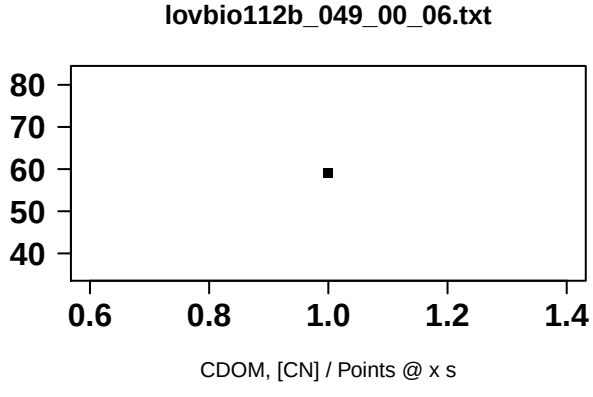
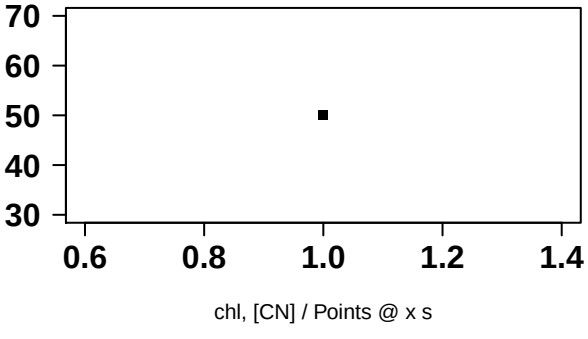
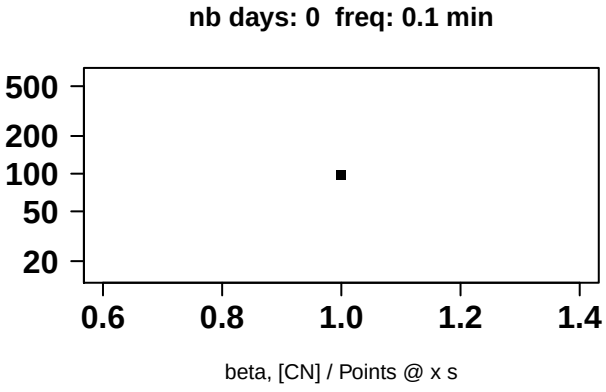
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_049_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
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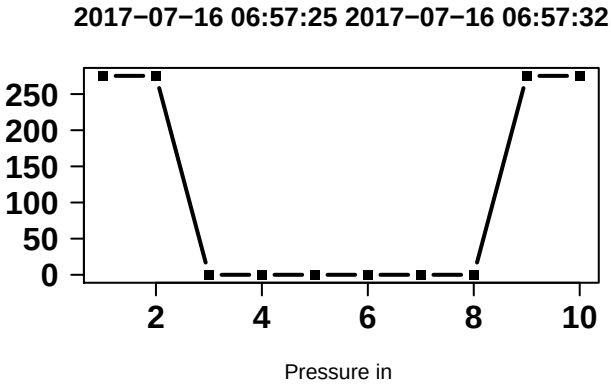
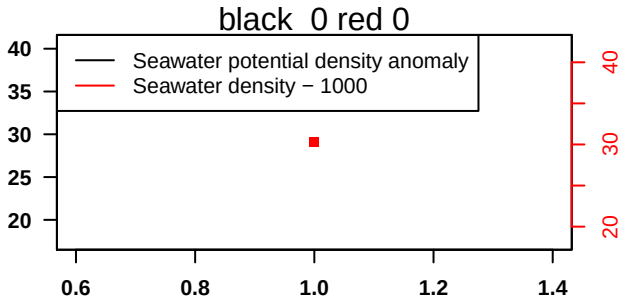
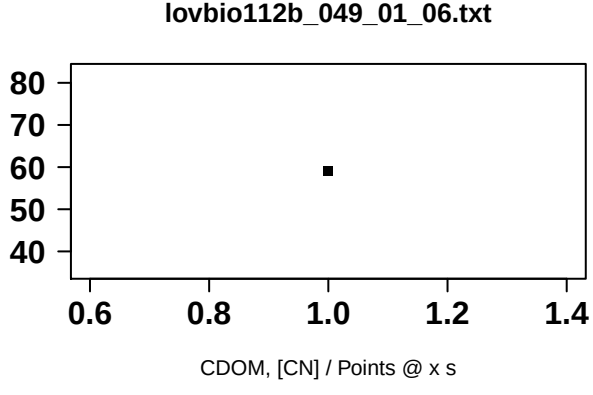
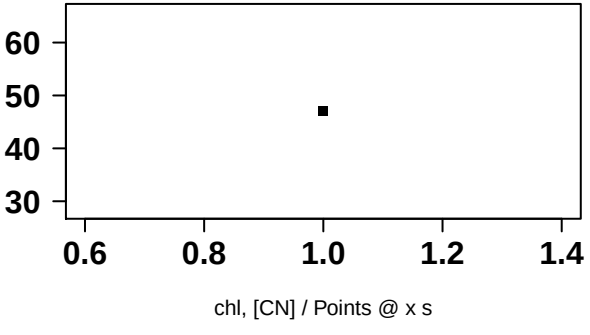
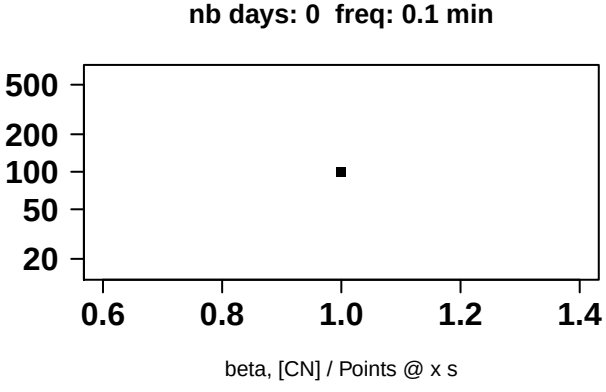
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

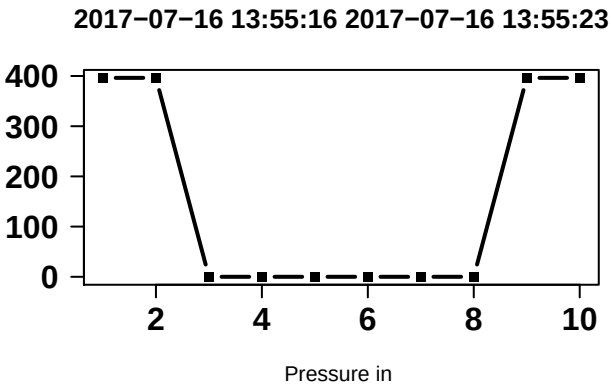

2017−07−16 06:57:25 2017−07−16 06:57:32
250
200
150
100
50
0
2
4
6
8
10
Pressure in

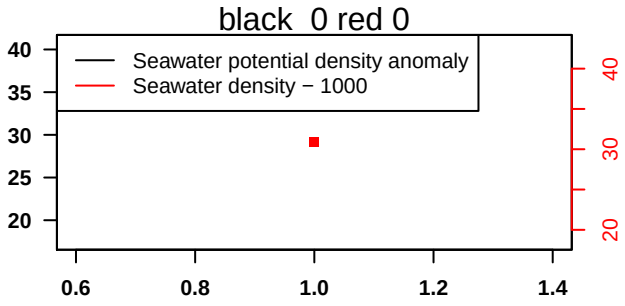

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

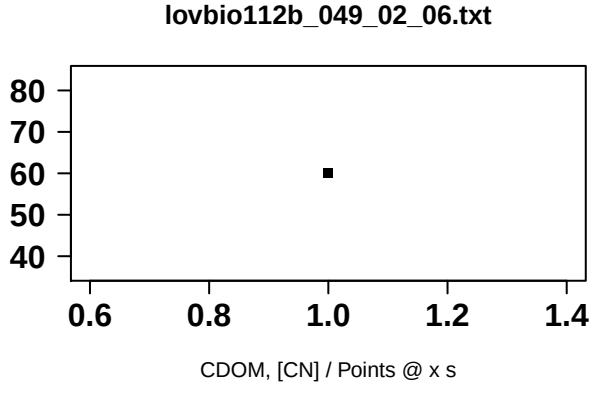

lovbio112b_049_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

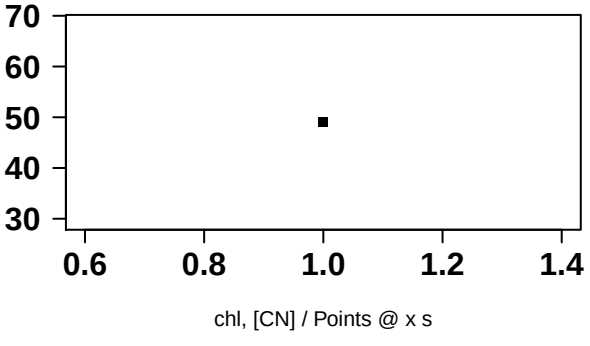

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−07−16 13:55:16 2017−07−16 13:55:23
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_049_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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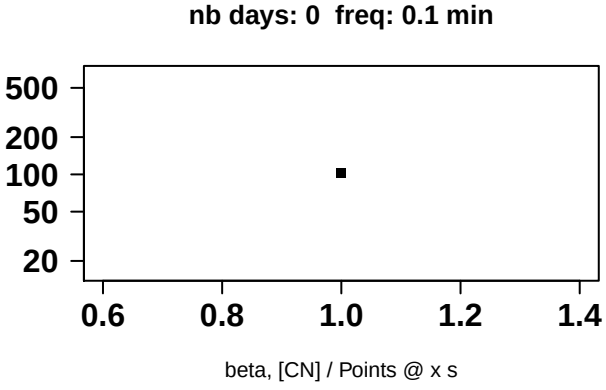
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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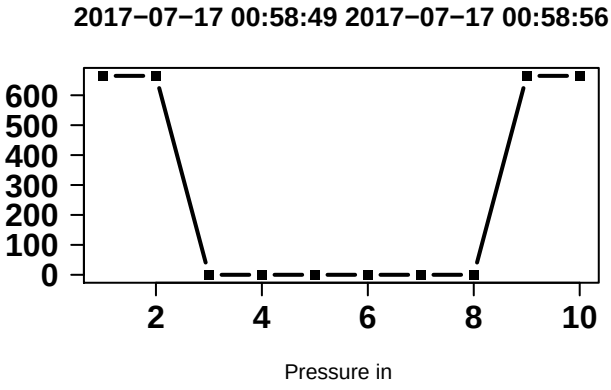
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−17 00:58:49 2017−07−17 00:58:56
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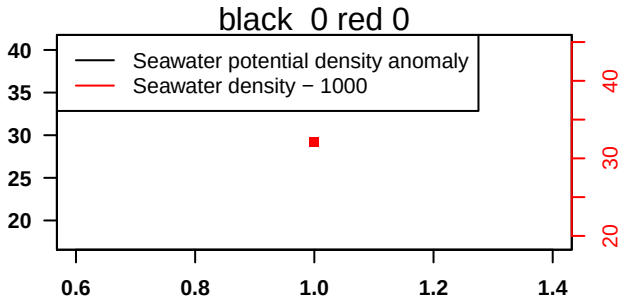
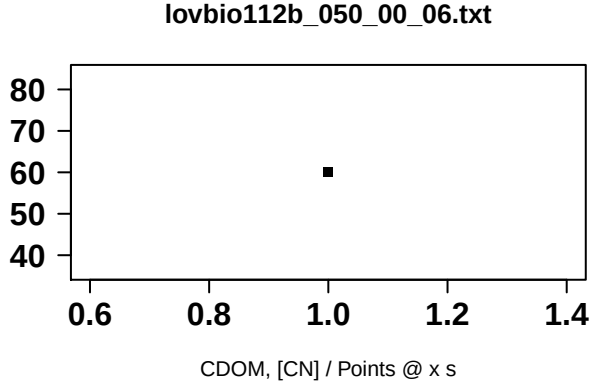
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_050_00_06.txt
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0.6
0.8
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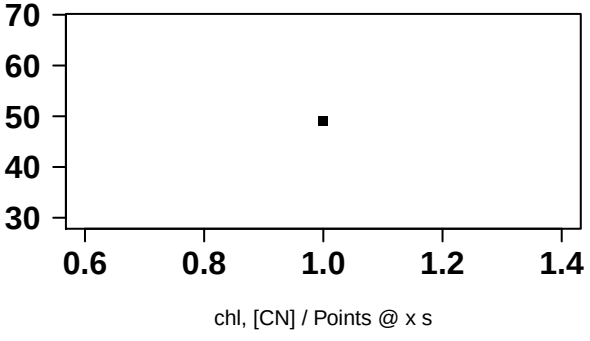
1.2
1.4
CDOM, [CN] / Points @ x s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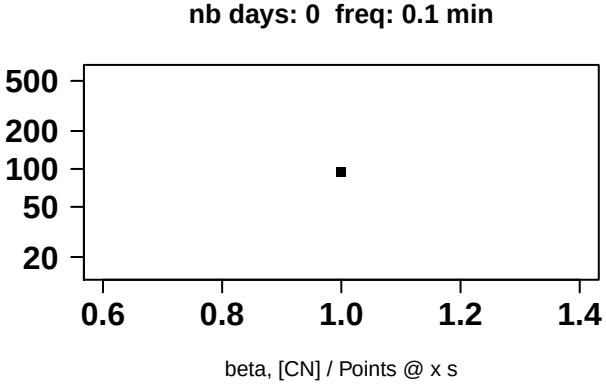
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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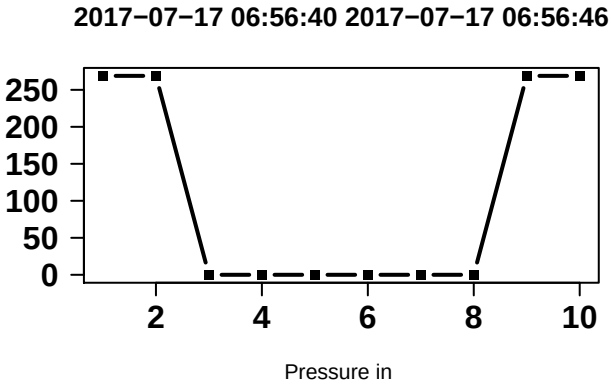
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−17 06:56:40 2017−07−17 06:56:46
250
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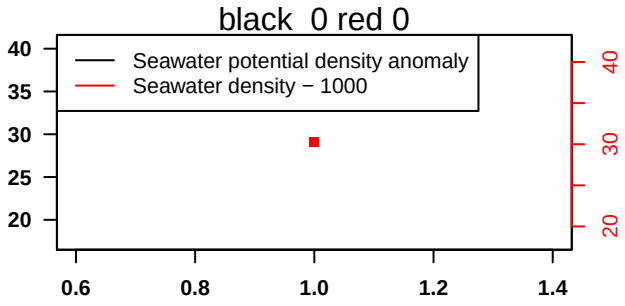
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
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30
25
20
0.6
0.8
1.0
1.2
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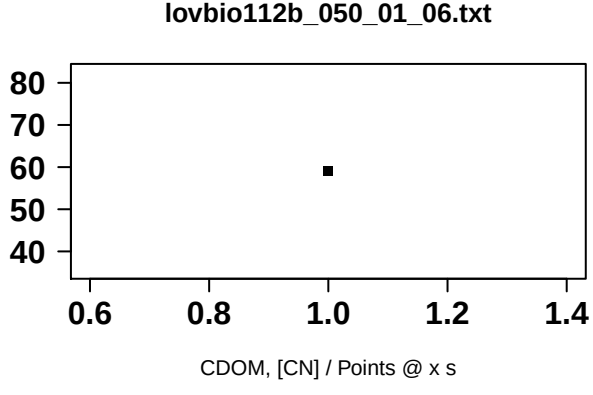
40
30
20


lovbio112b_050_01_06.txt
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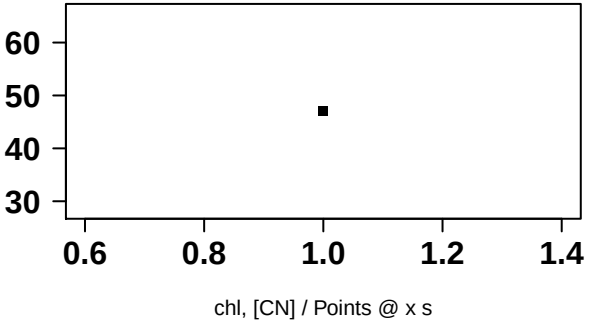
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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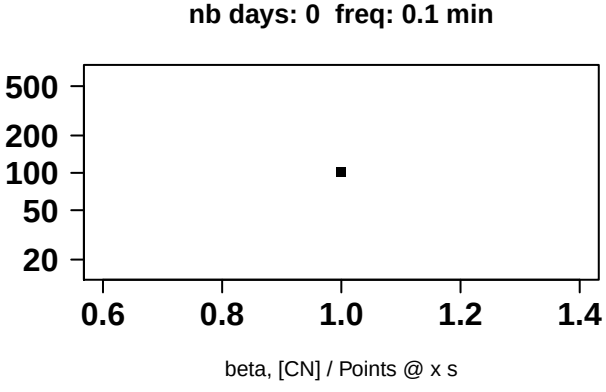
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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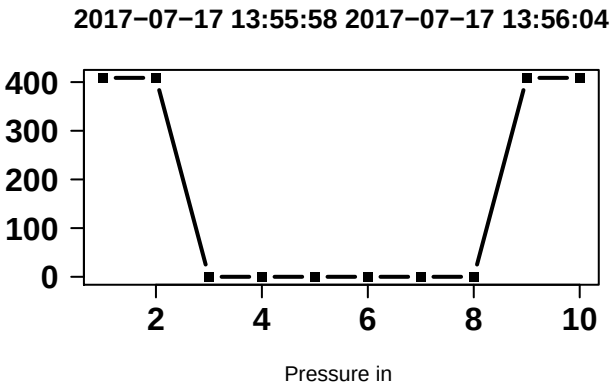
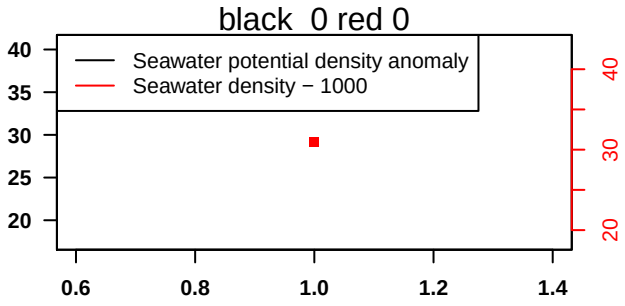
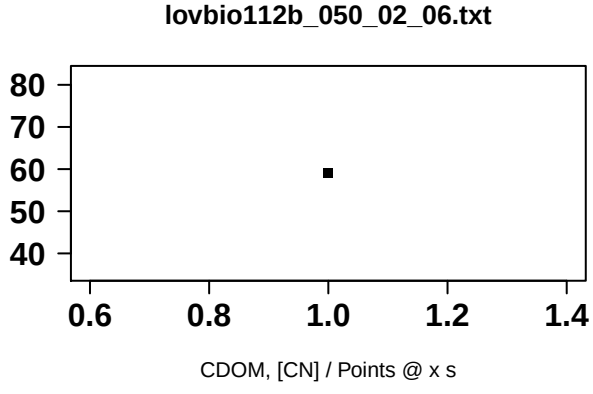
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−17 13:55:58 2017−07−17 13:56:04
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_050_02_06.txt
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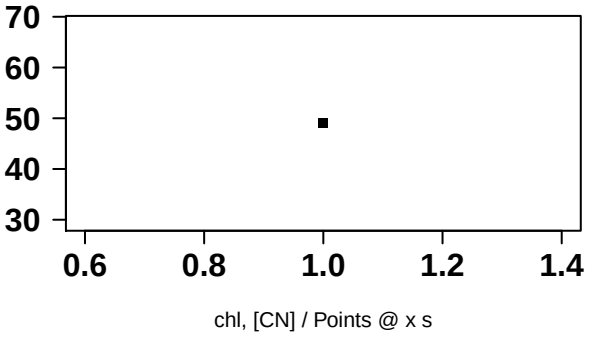
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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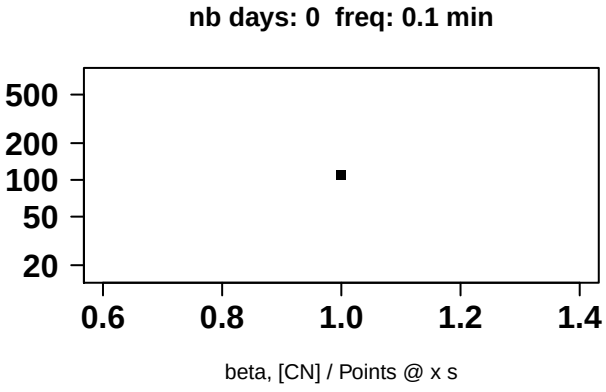
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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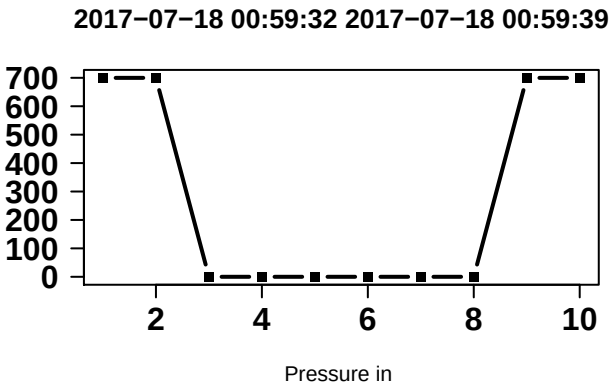
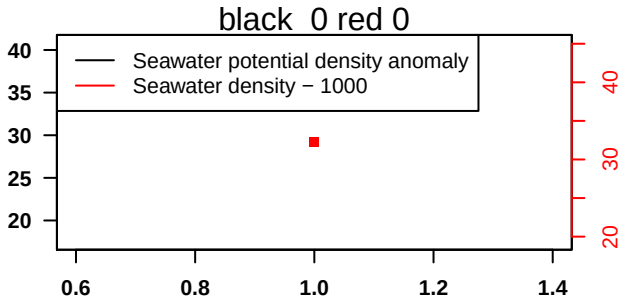
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−18 00:59:32 2017−07−18 00:59:39
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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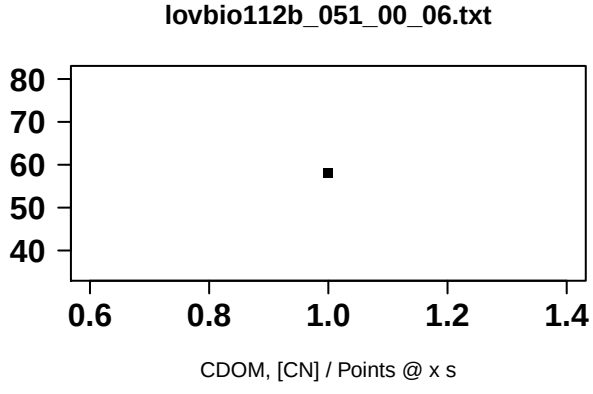
40
30
20


lovbio112b_051_00_06.txt
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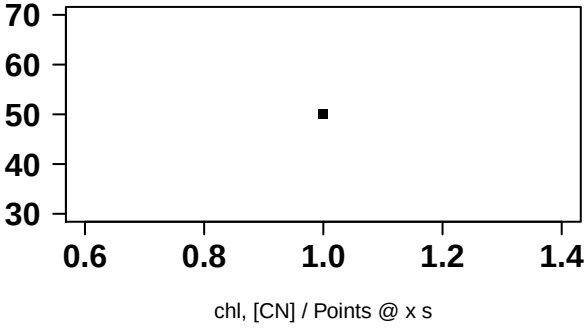
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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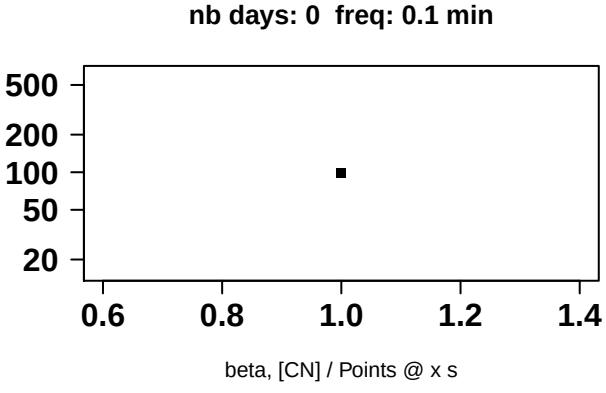
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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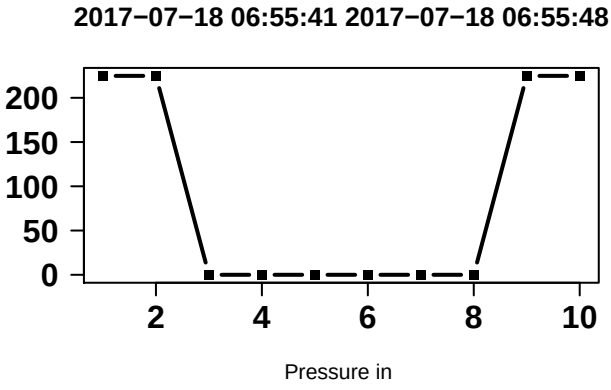
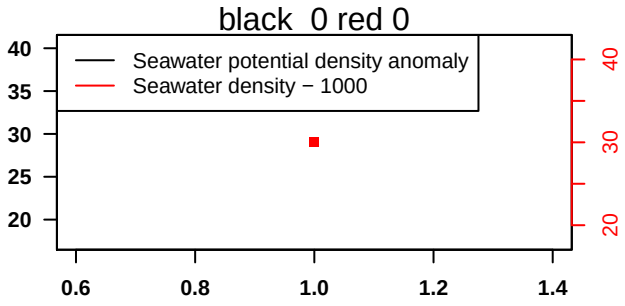
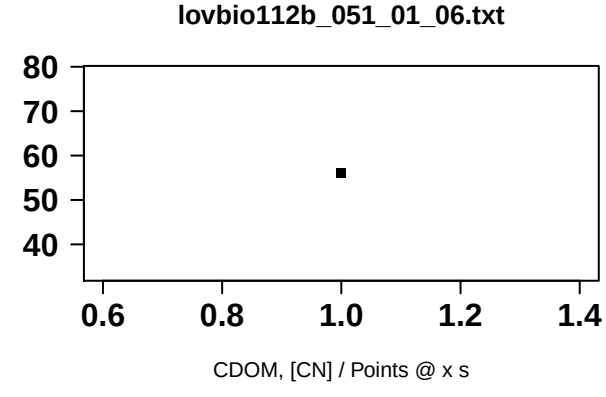
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−18 06:55:41 2017−07−18 06:55:48
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_051_01_06.txt
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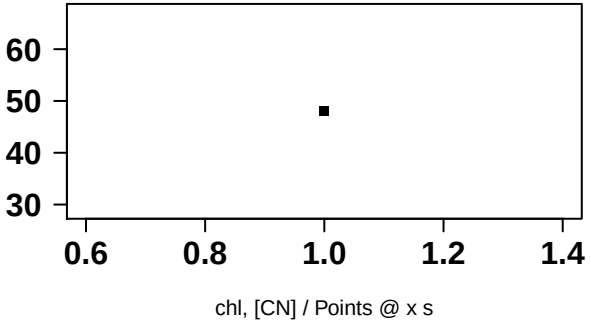
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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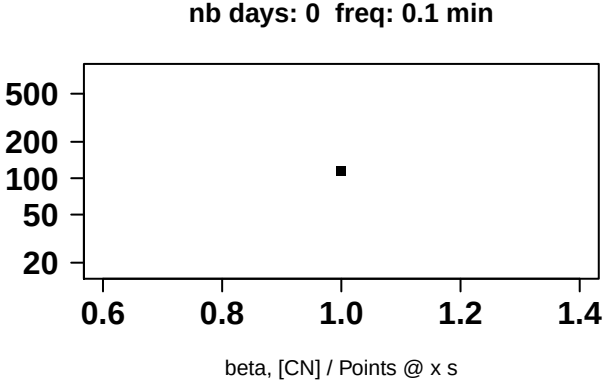
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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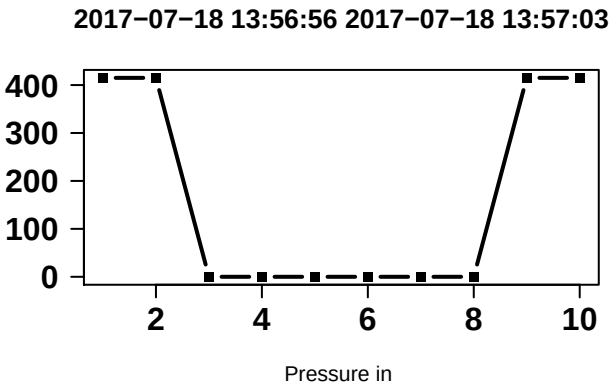
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−18 13:56:56 2017−07−18 13:57:03
400
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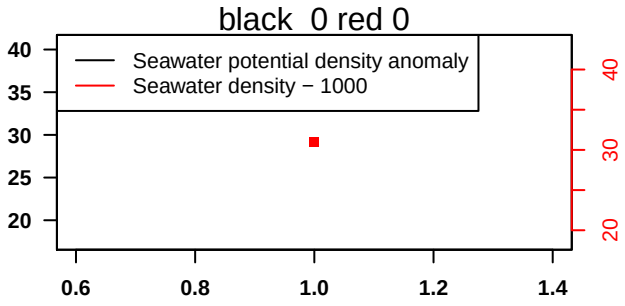
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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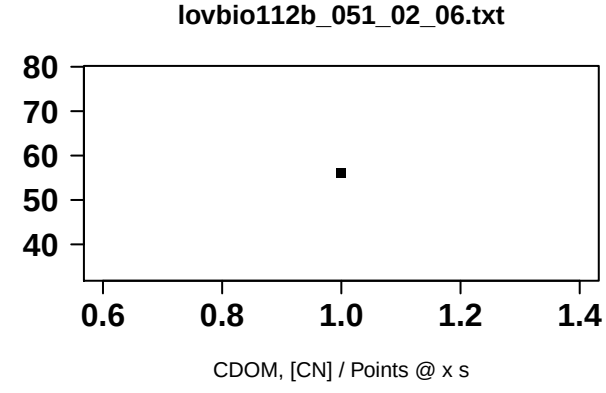
40
30
20


lovbio112b_051_02_06.txt
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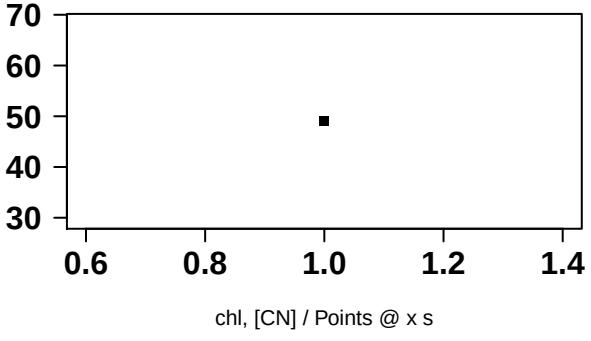
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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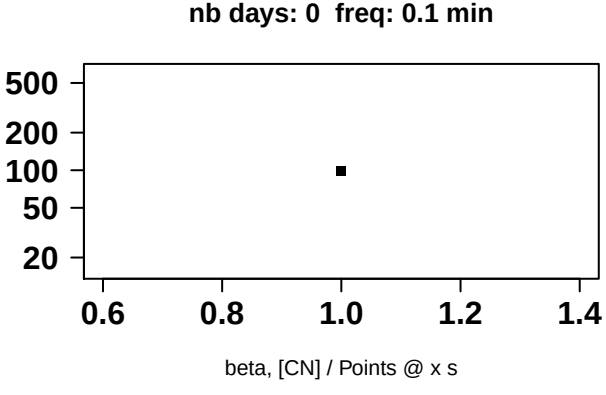
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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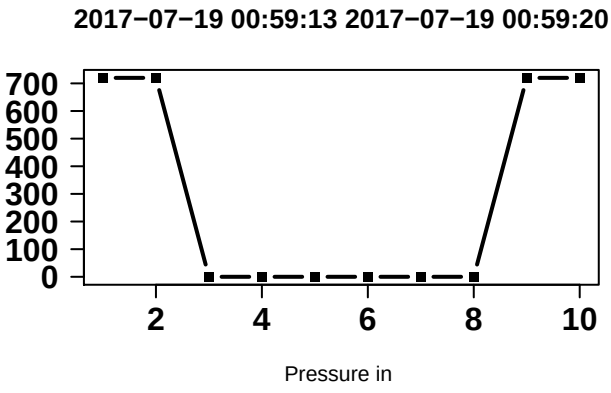
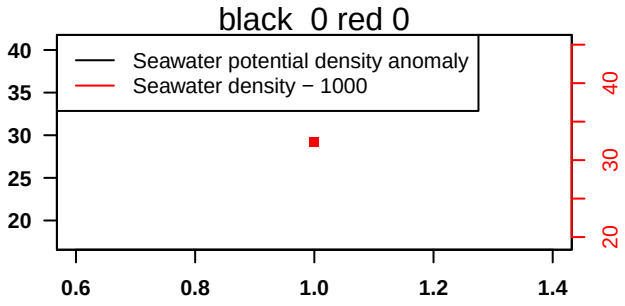
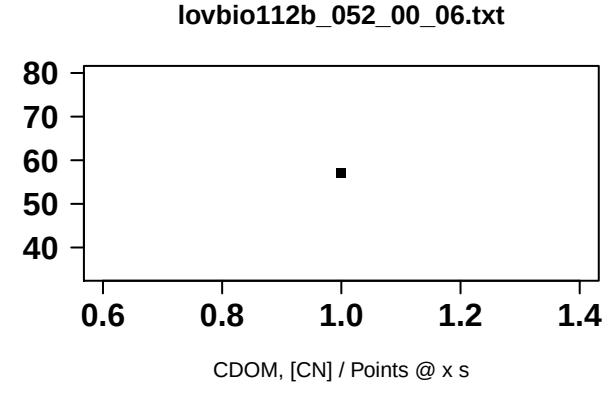
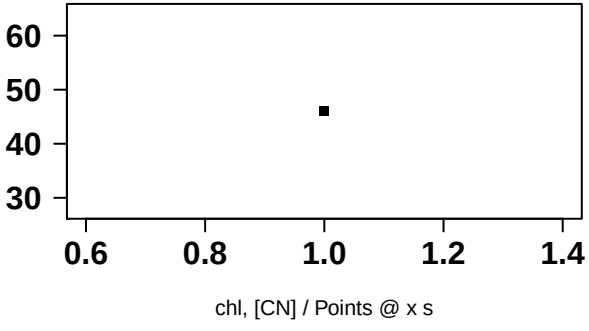
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−19 00:59:13 2017−07−19 00:59:20
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_052_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
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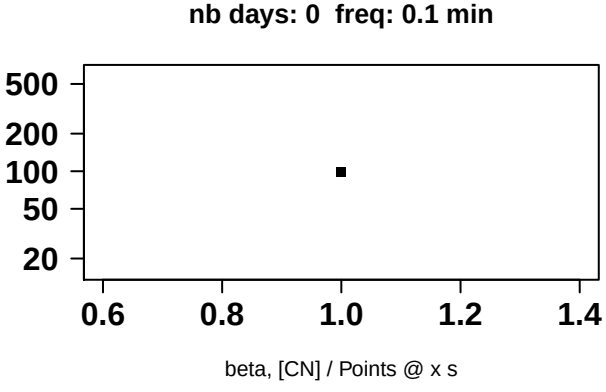
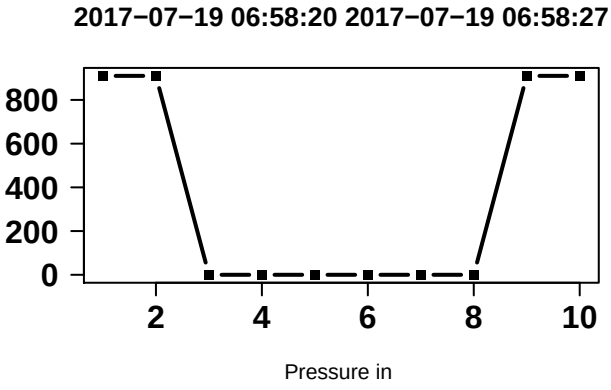
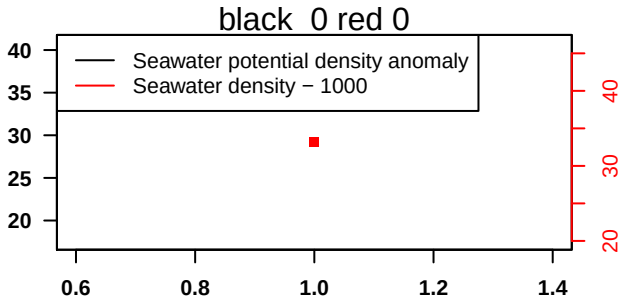
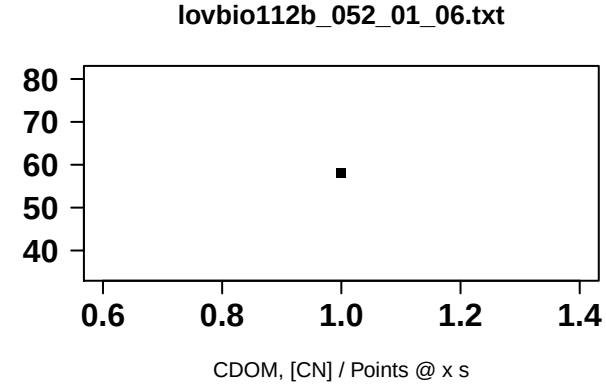
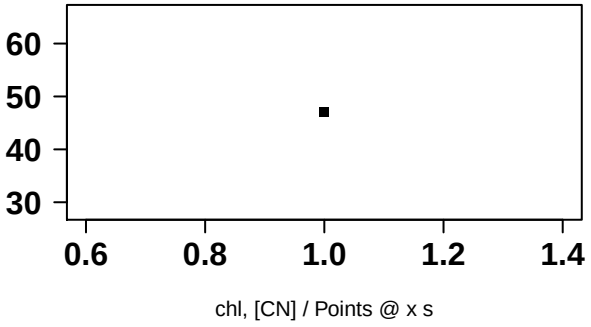
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

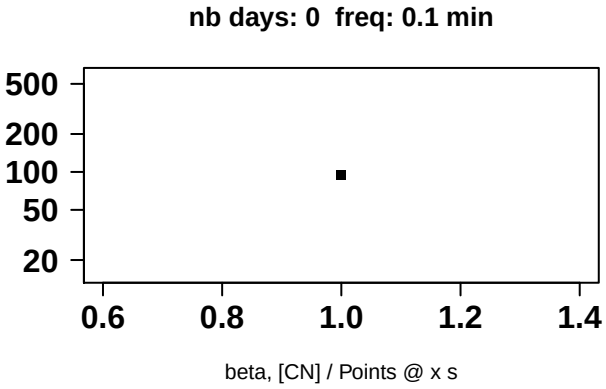

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−19 06:58:20 2017−07−19 06:58:27
800
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_052_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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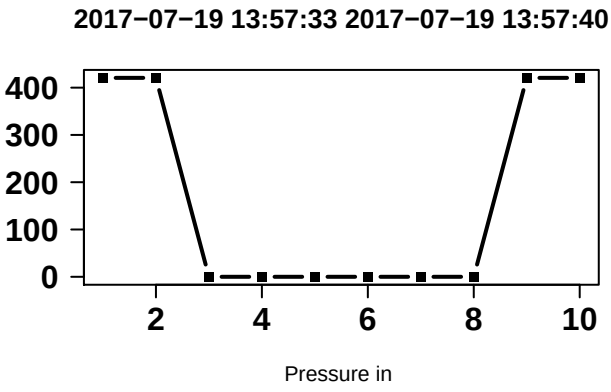
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−19 13:57:33 2017−07−19 13:57:40
400
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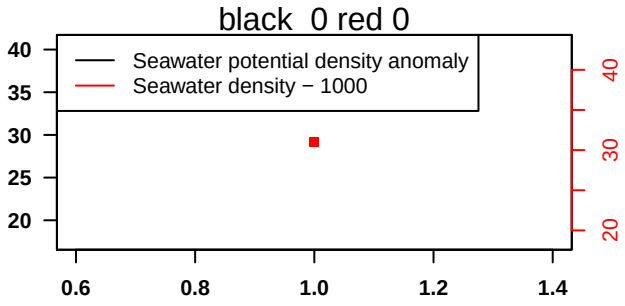
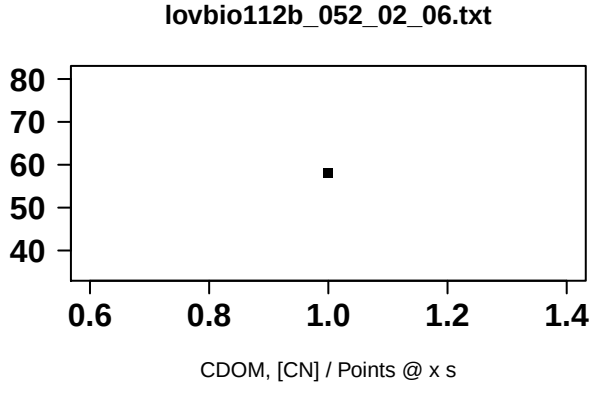
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_052_02_06.txt
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60
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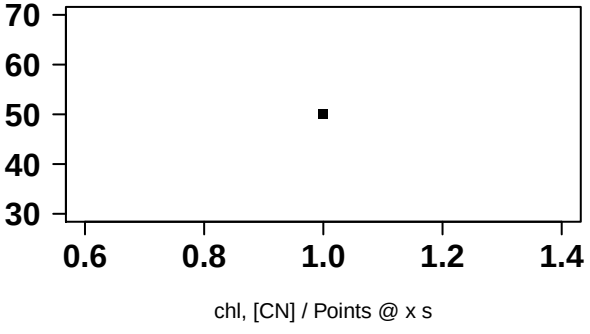
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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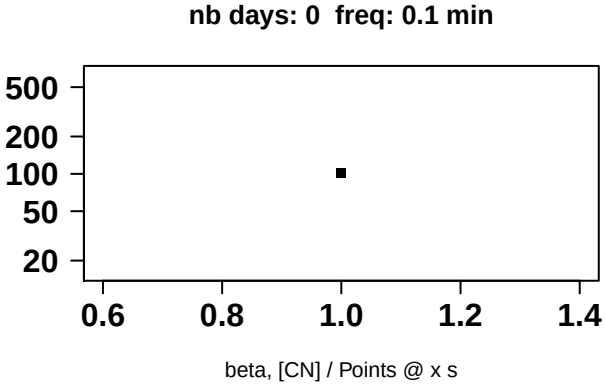
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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0.6
0.8
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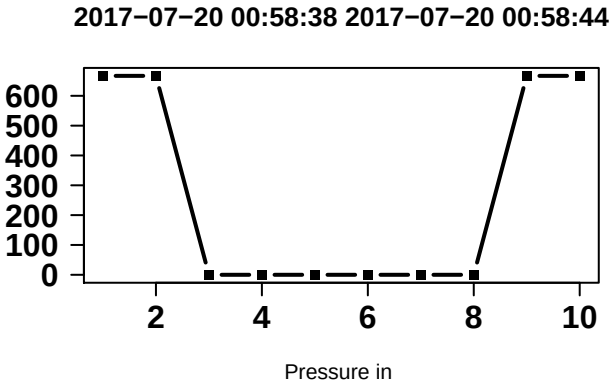
1.2
1.4
beta, [CN] / Points @ x s


2017−07−20 00:58:38 2017−07−20 00:58:44
600
500
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100
0
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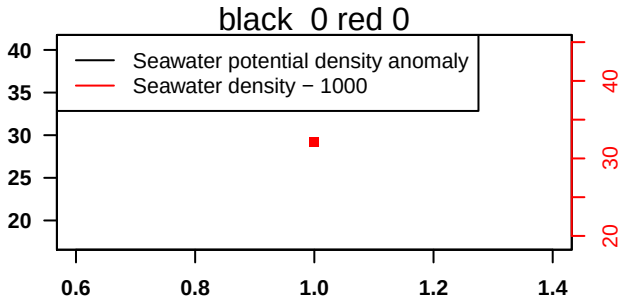
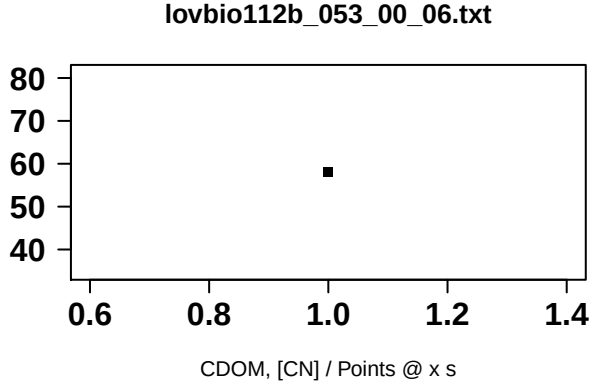
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_053_00_06.txt
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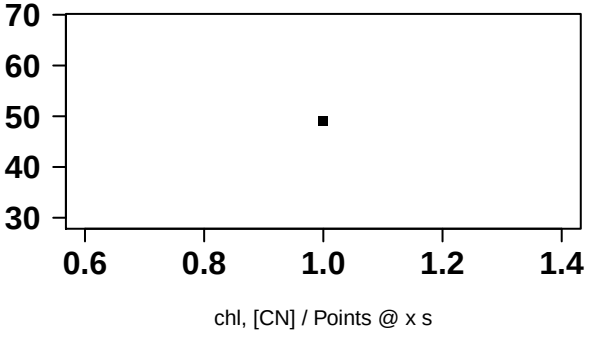
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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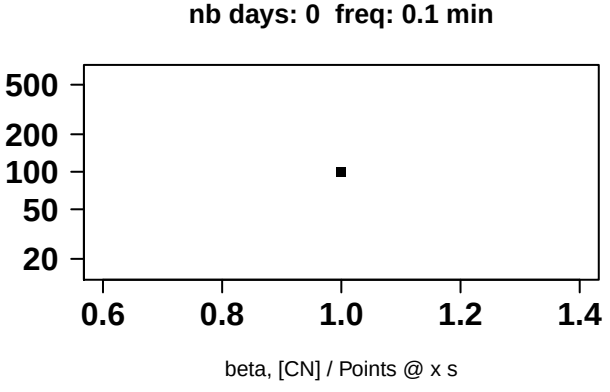
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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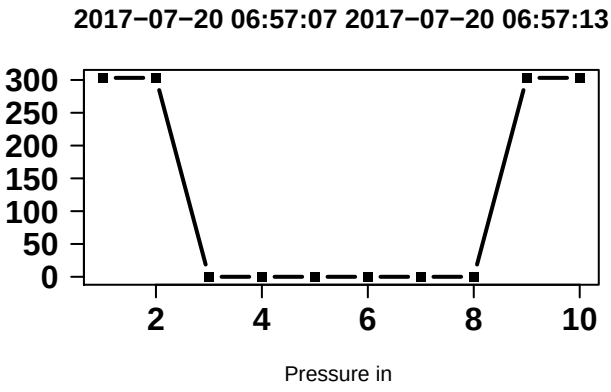
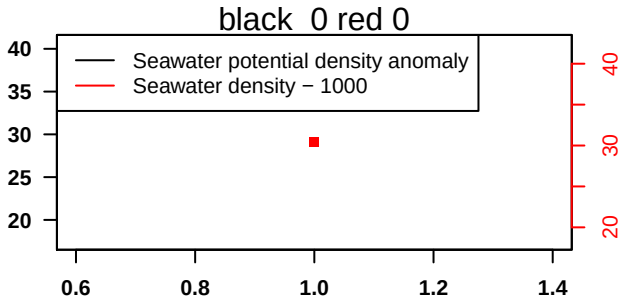
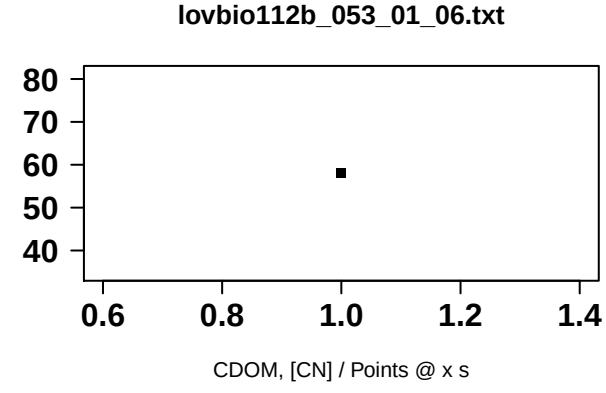
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−20 06:57:07 2017−07−20 06:57:13
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_053_01_06.txt
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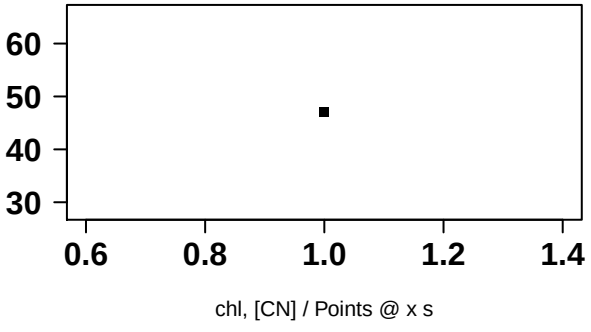
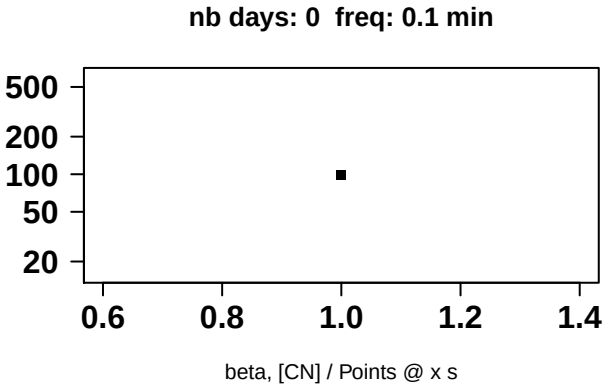
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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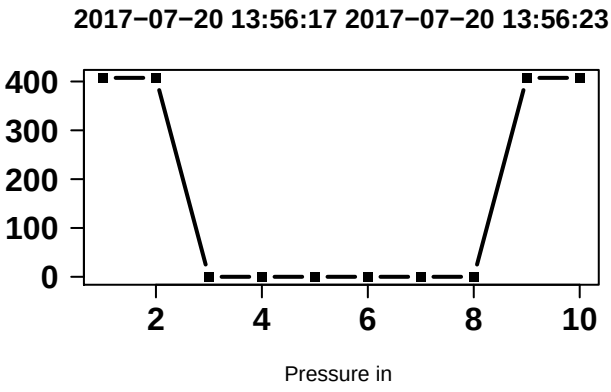
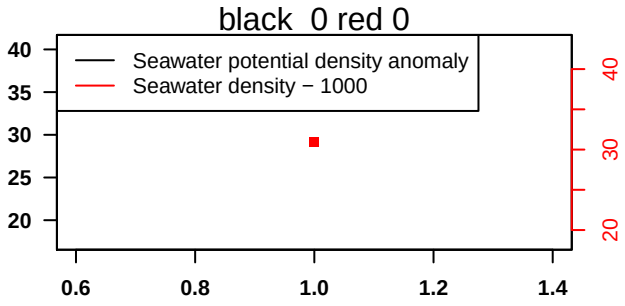
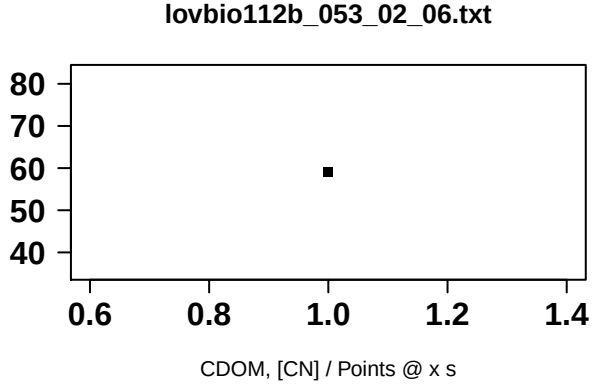
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−20 13:56:17 2017−07−20 13:56:23
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_053_02_06.txt
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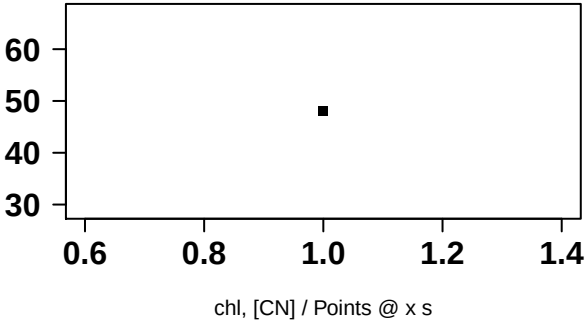
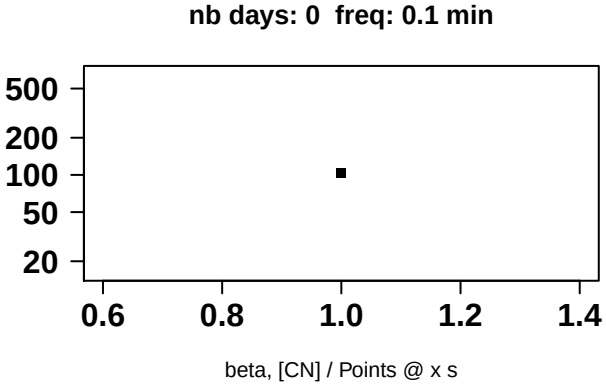
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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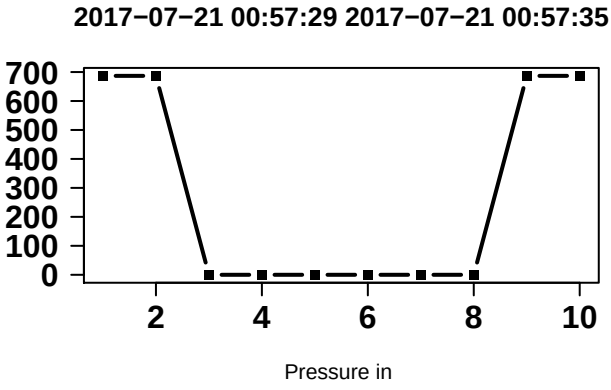
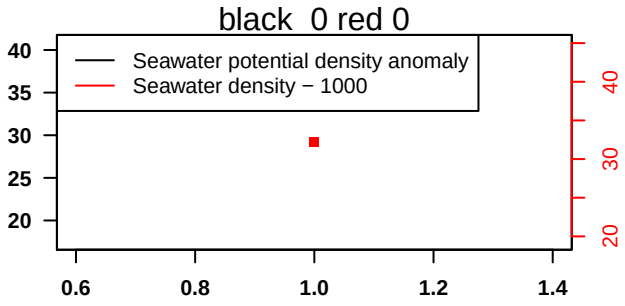
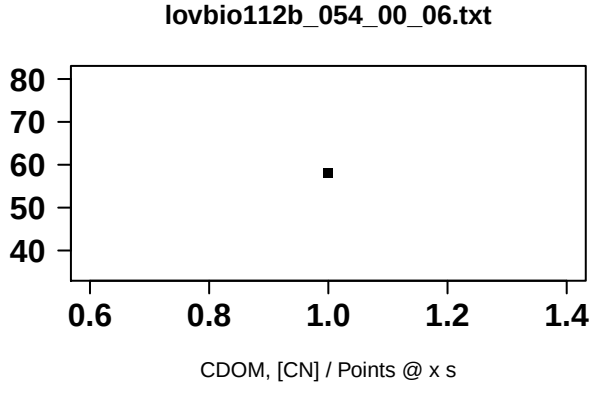
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−21 00:57:29 2017−07−21 00:57:35
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_054_00_06.txt
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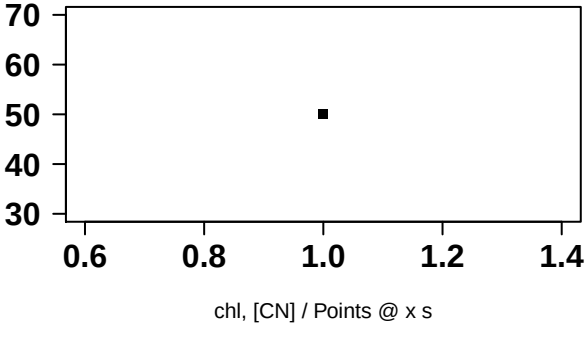
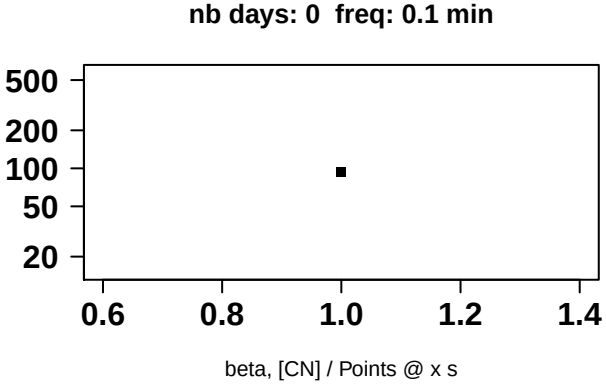
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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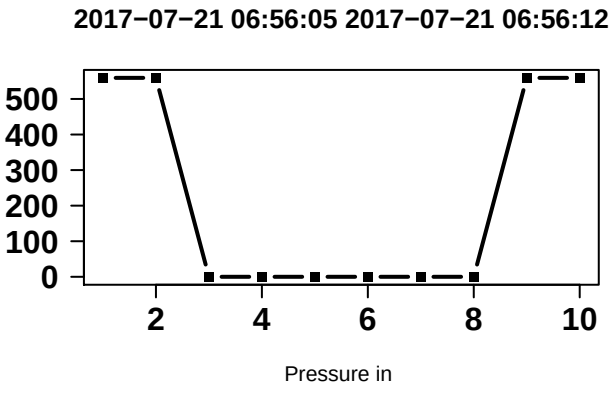
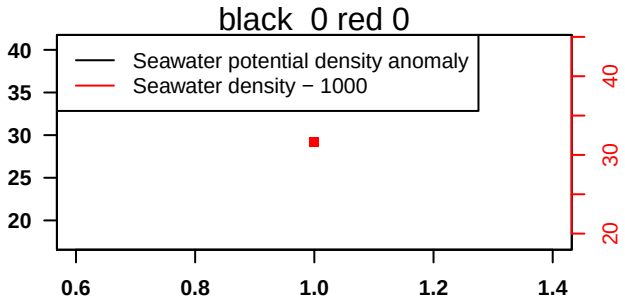
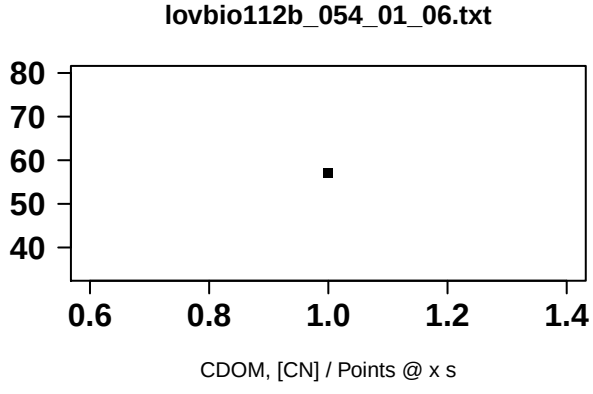
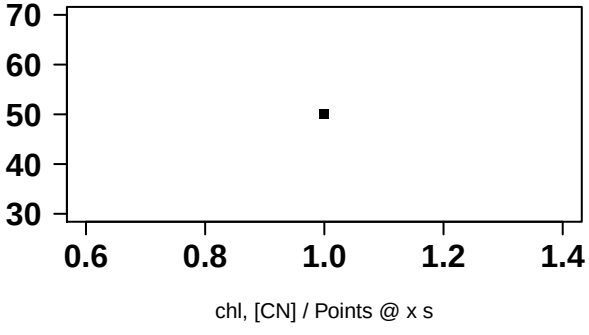
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−21 06:56:05 2017−07−21 06:56:12
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_054_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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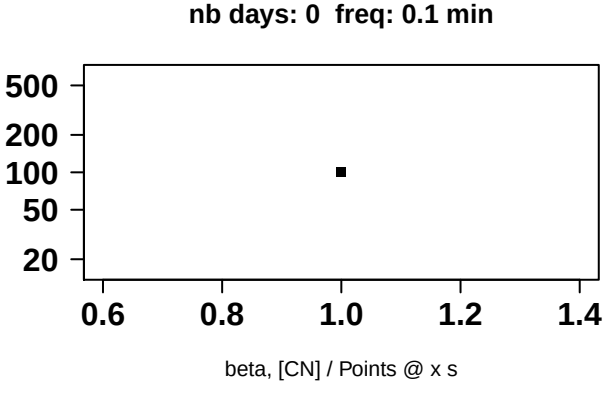
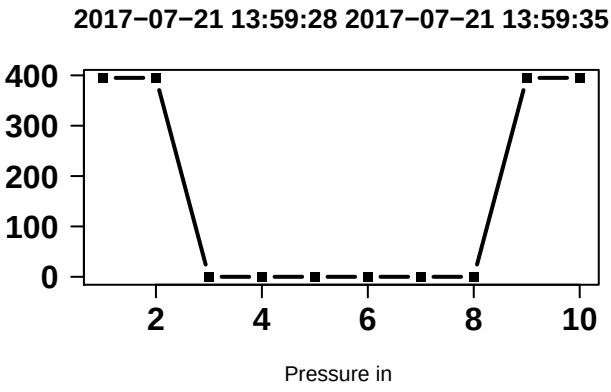
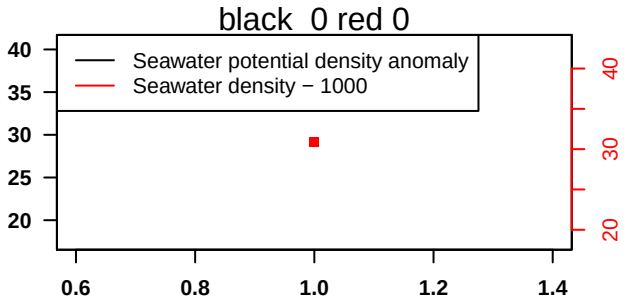
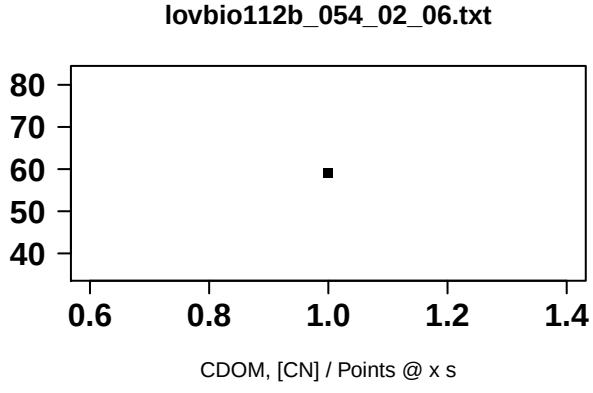
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−07−21 13:59:28 2017−07−21 13:59:35
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_054_02_06.txt
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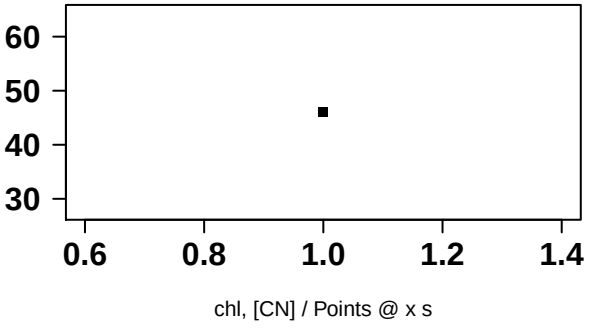
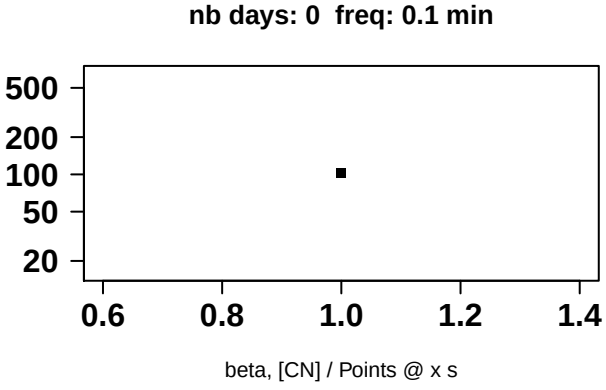
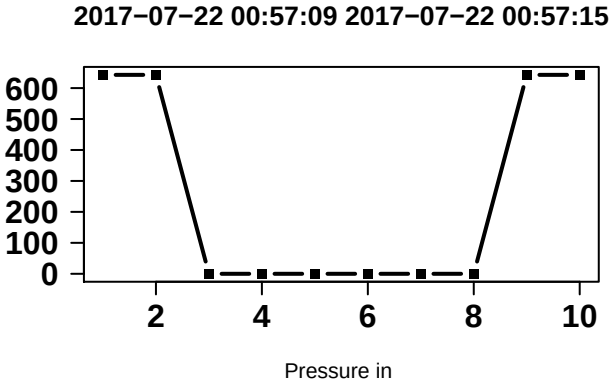
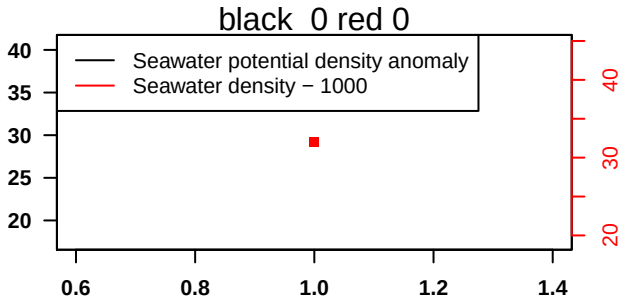
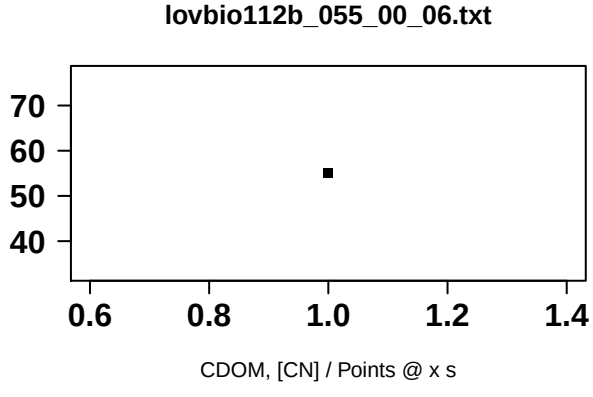
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

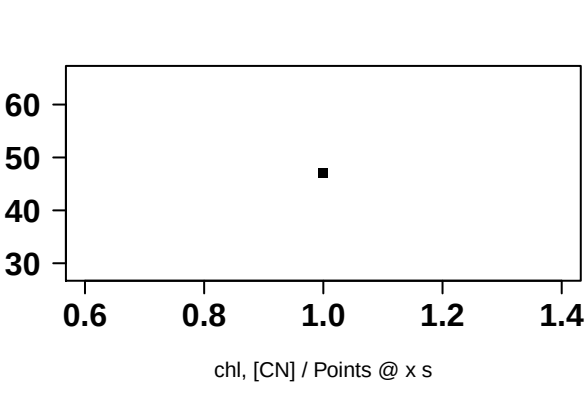

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

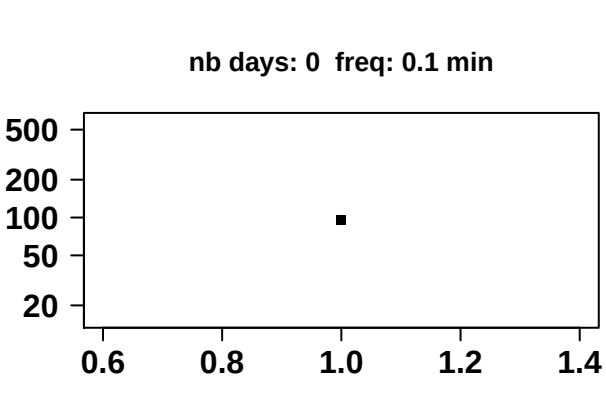

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−22 00:57:09 2017−07−22 00:57:15
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_055_00_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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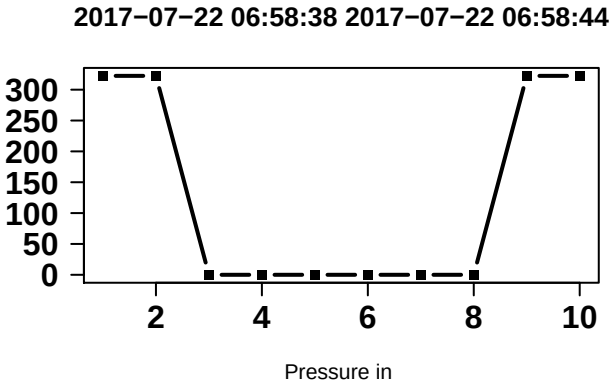
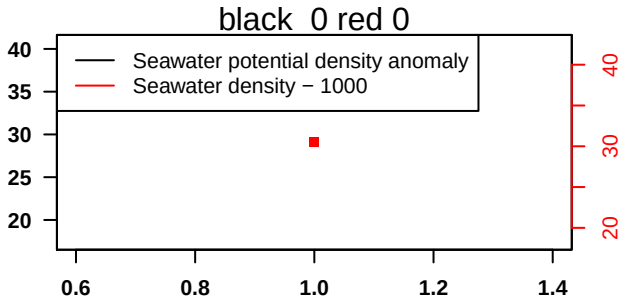
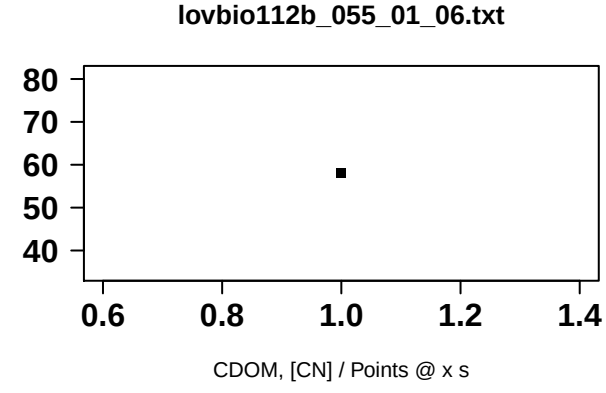
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−22 06:58:38 2017−07−22 06:58:44
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_055_01_06.txt
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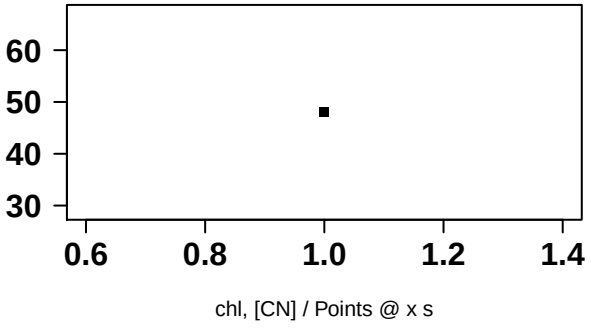
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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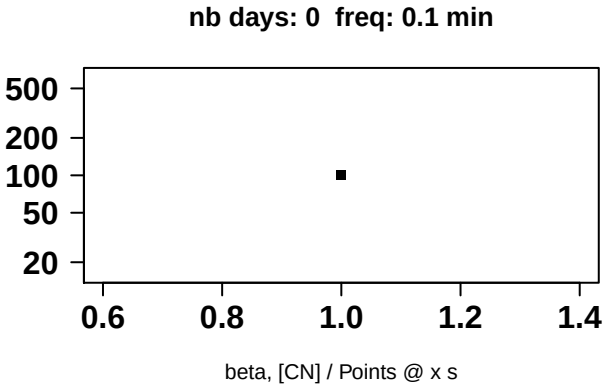
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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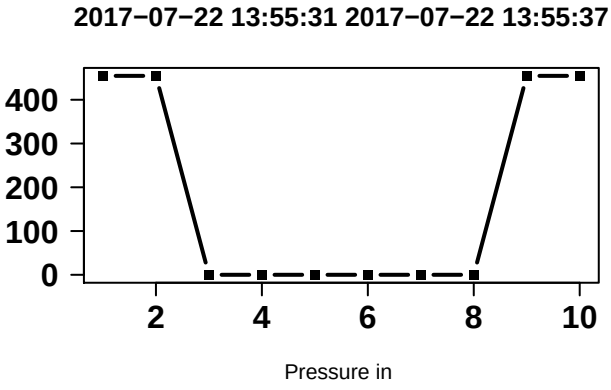
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−22 13:55:31 2017−07−22 13:55:37
400
300
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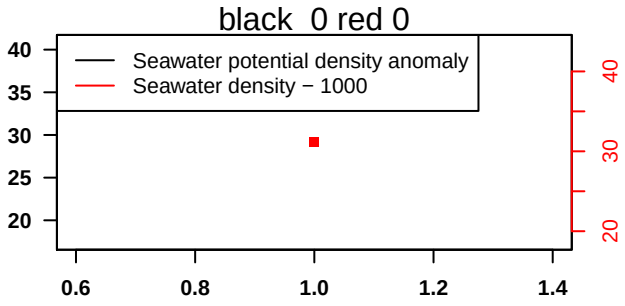
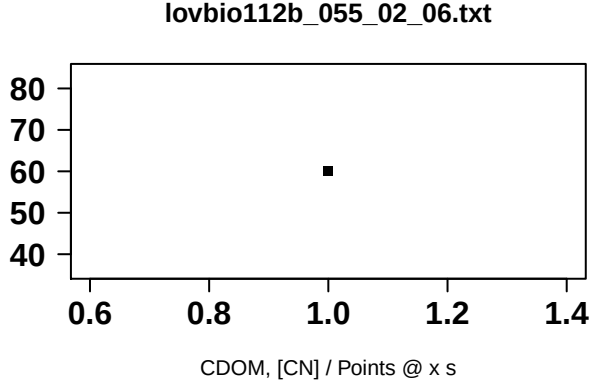
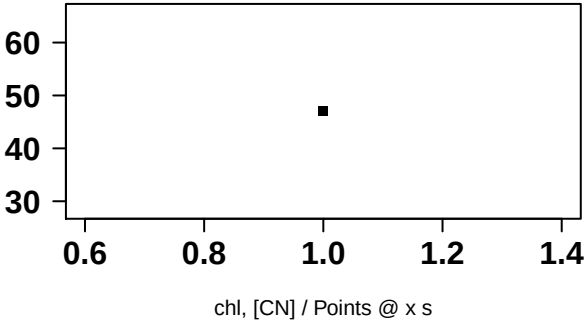
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_055_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


60
50
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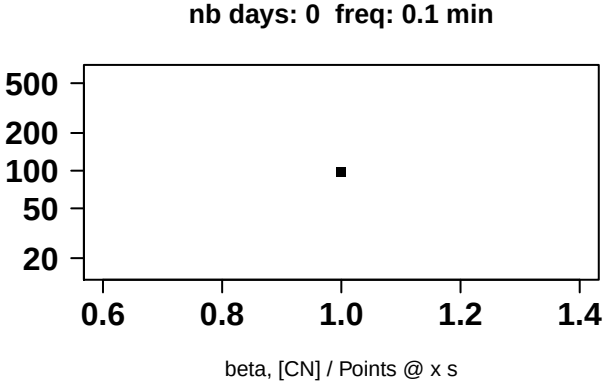
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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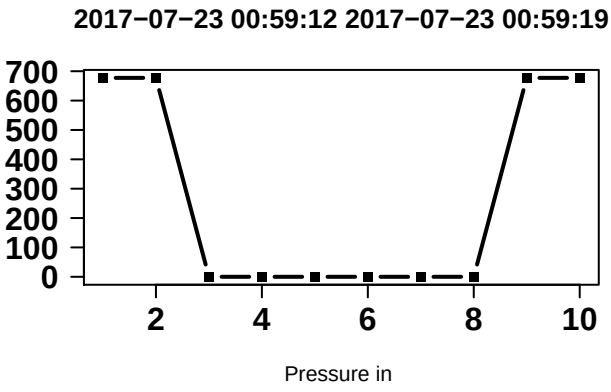
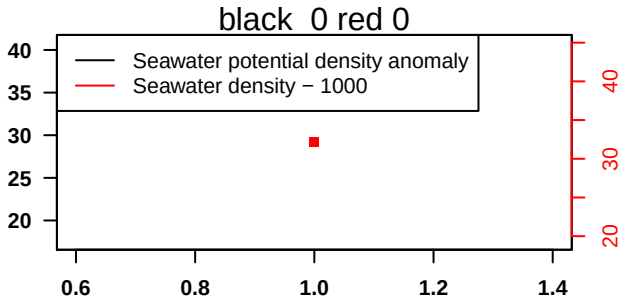
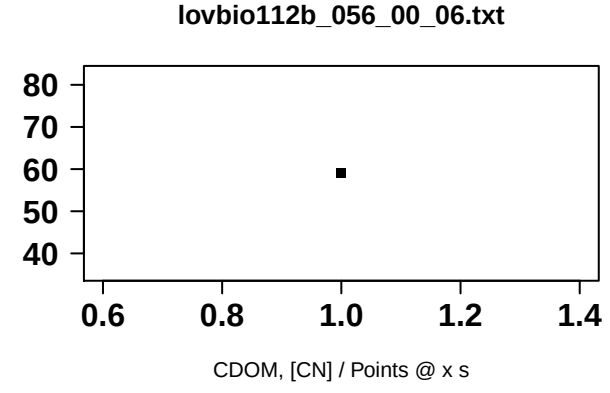
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−23 00:59:12 2017−07−23 00:59:19
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_056_00_06.txt
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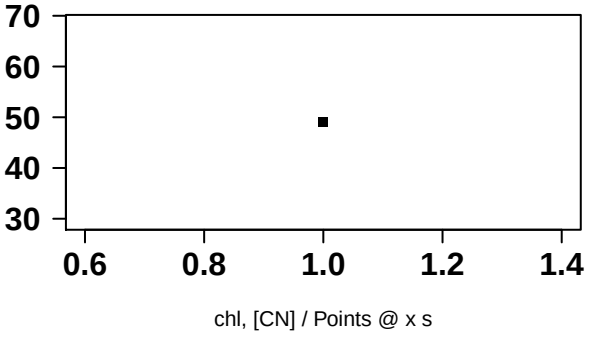
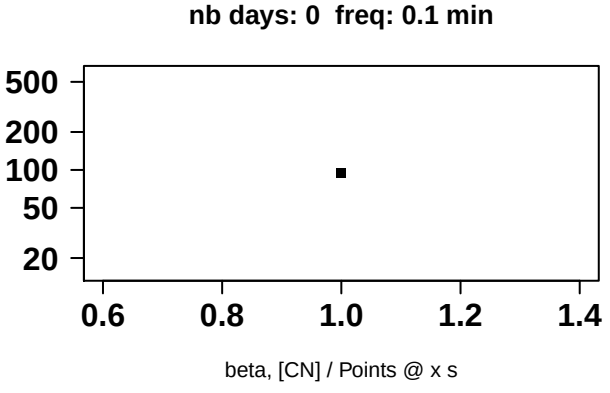
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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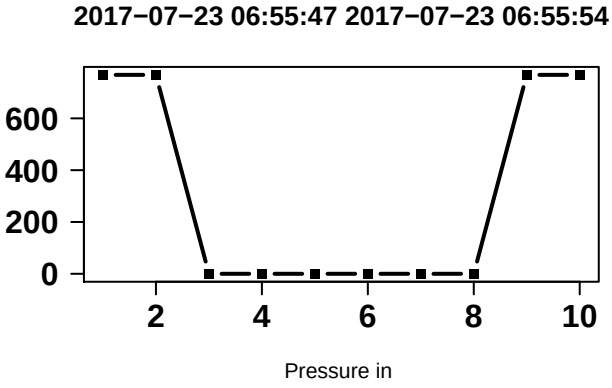
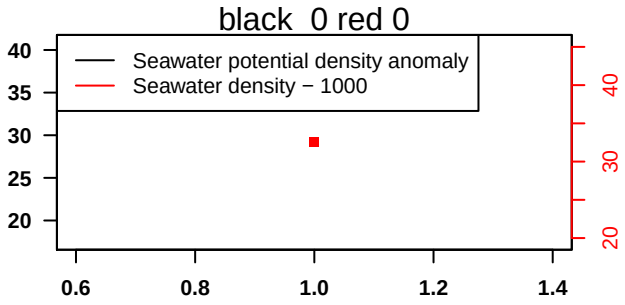
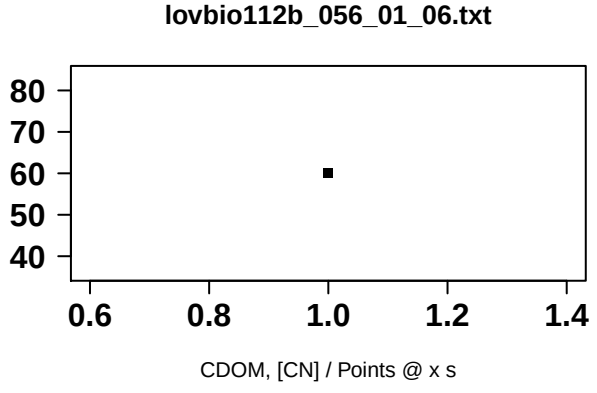
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−23 06:55:47 2017−07−23 06:55:54
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_056_01_06.txt
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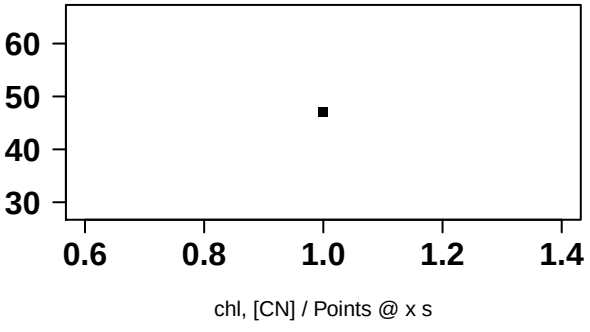
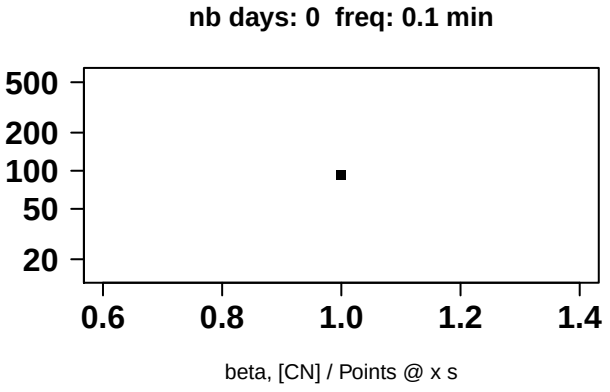
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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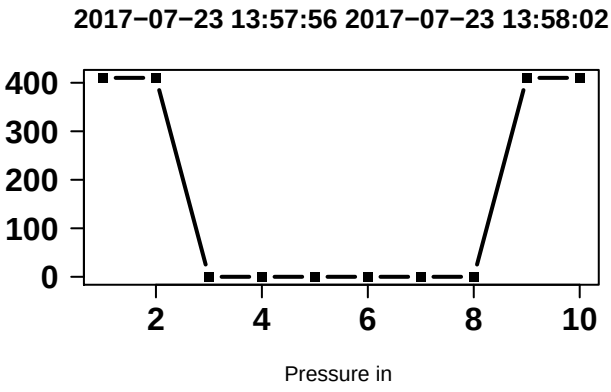
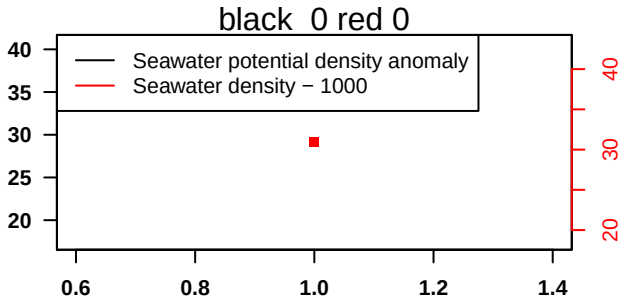
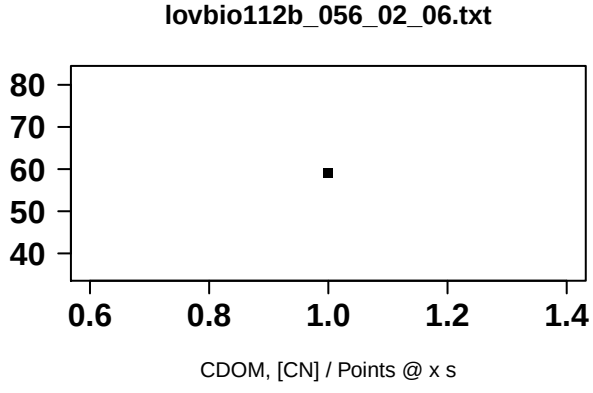
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−23 13:57:56 2017−07−23 13:58:02
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_056_02_06.txt
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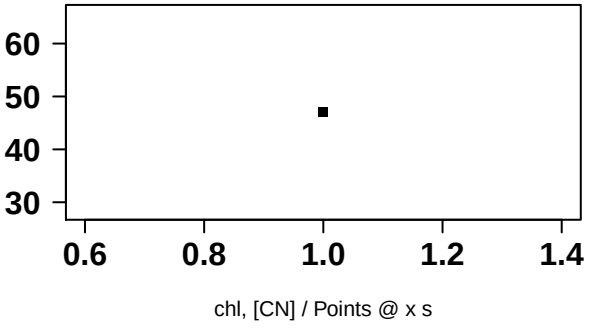
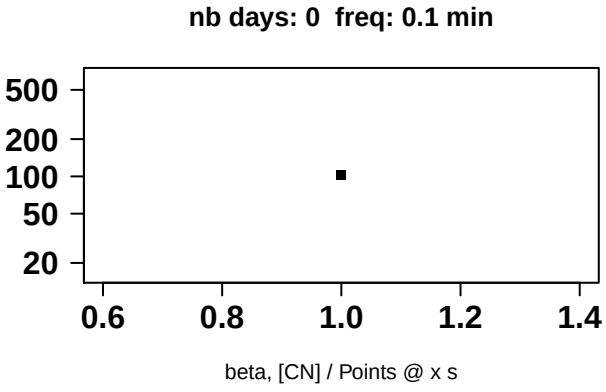
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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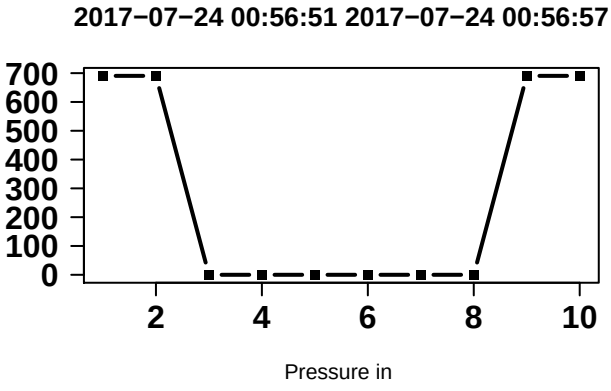
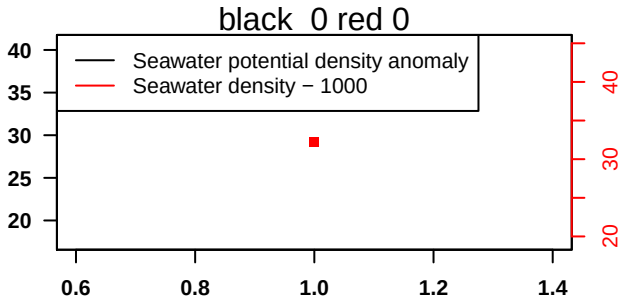
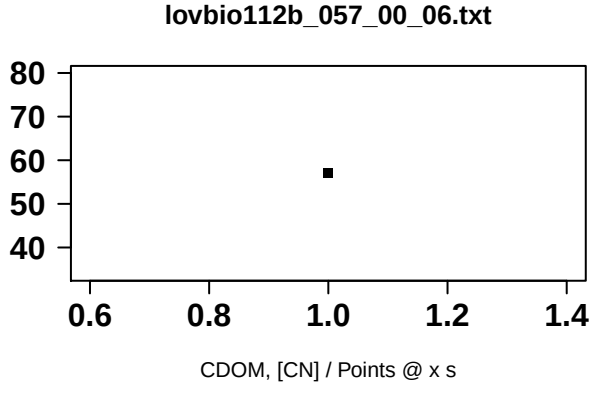
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−24 00:56:51 2017−07−24 00:56:57
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_057_00_06.txt
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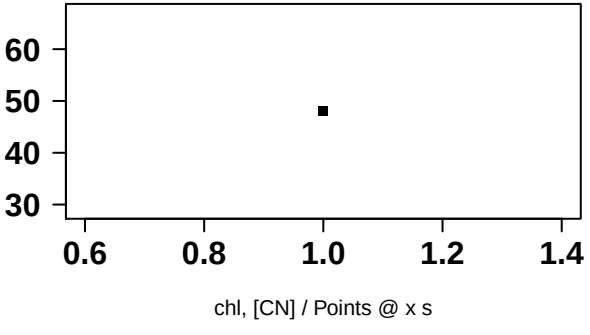
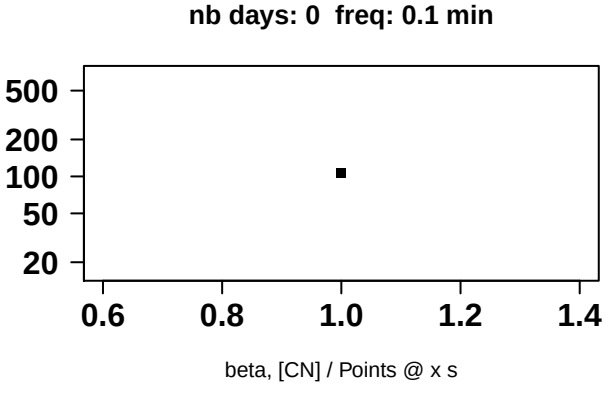
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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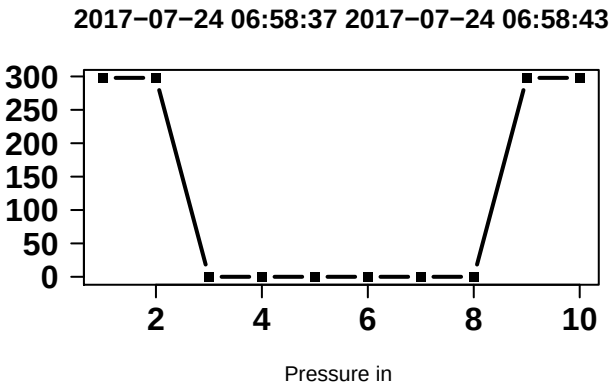
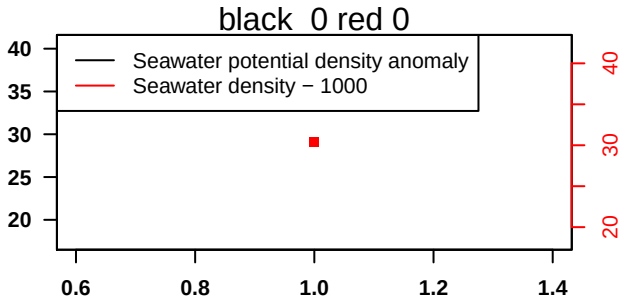
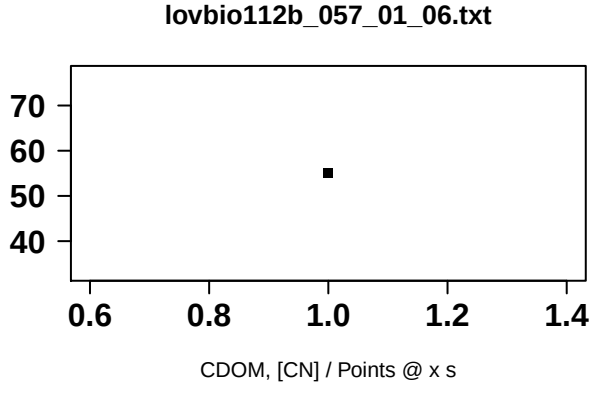
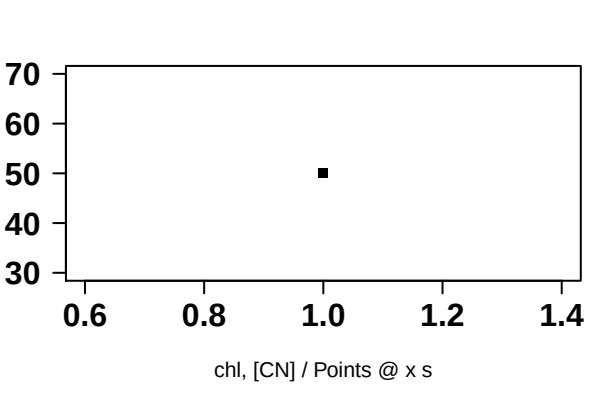
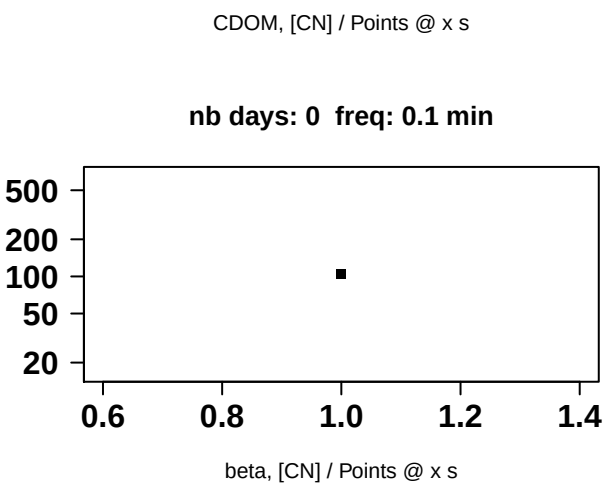
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

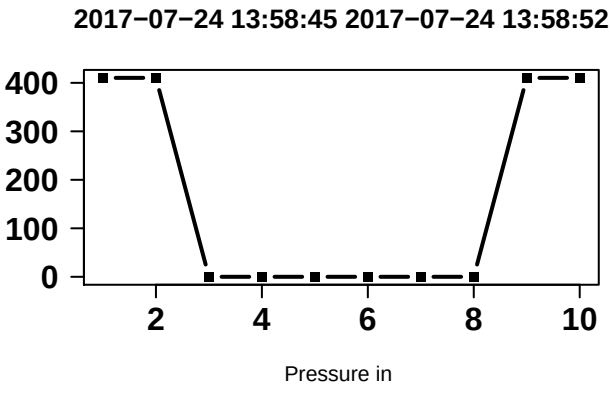

2017−07−24 06:58:37 2017−07−24 06:58:43
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

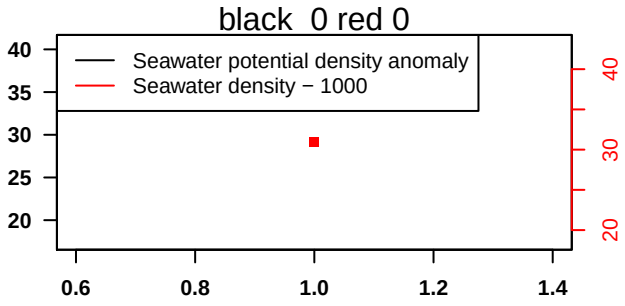

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

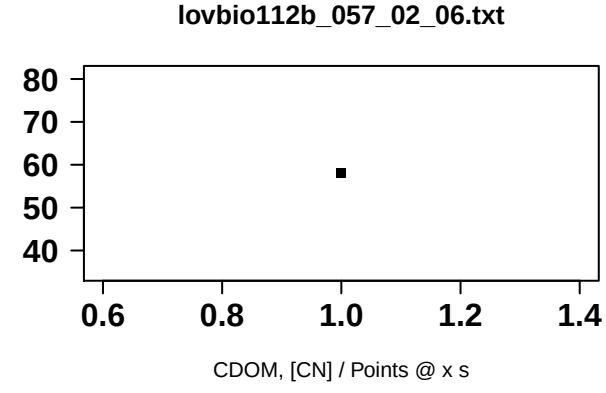

lovbio112b_057_01_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

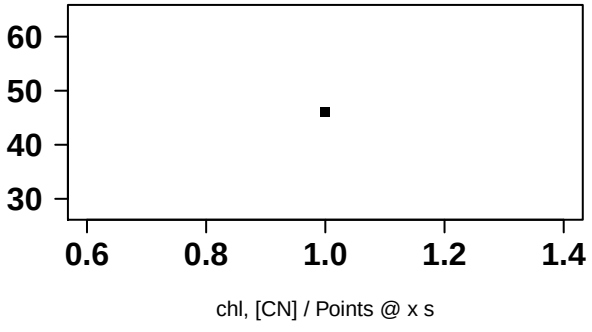

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

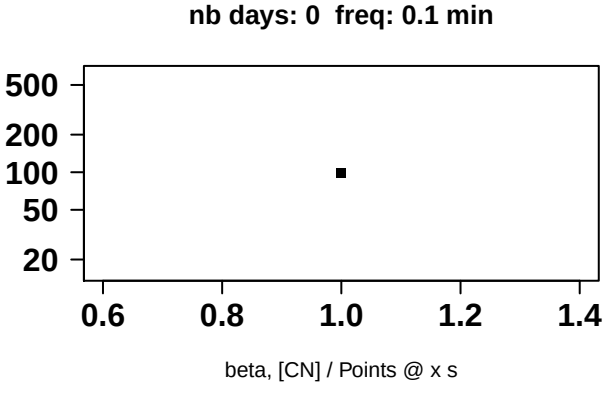

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−24 13:58:45 2017−07−24 13:58:52
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_057_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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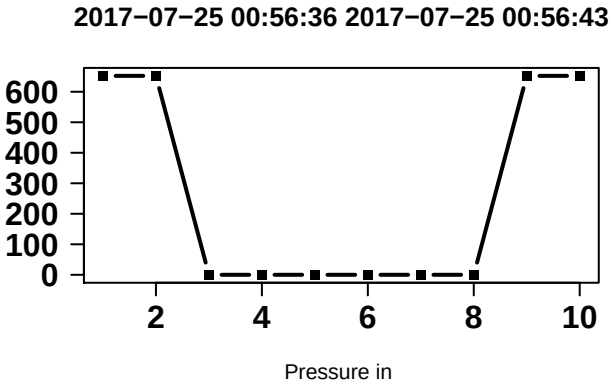
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−25 00:56:36 2017−07−25 00:56:43
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100
0
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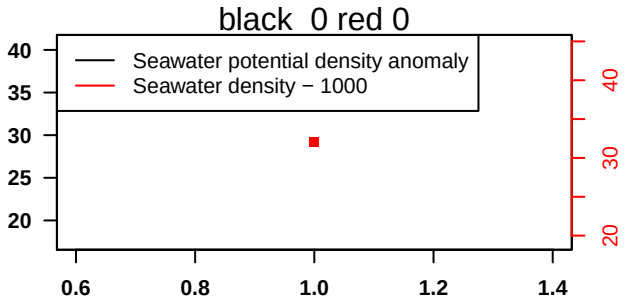
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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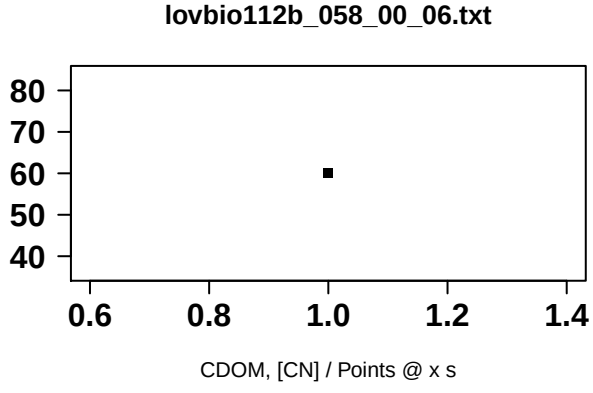
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_058_00_06.txt
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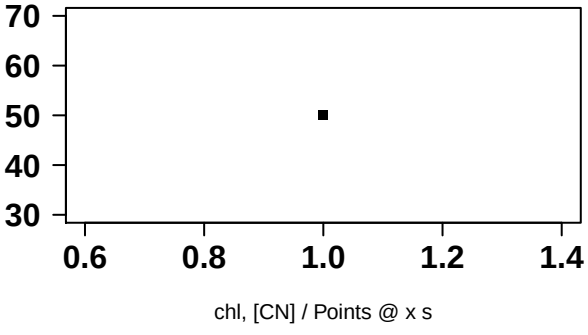
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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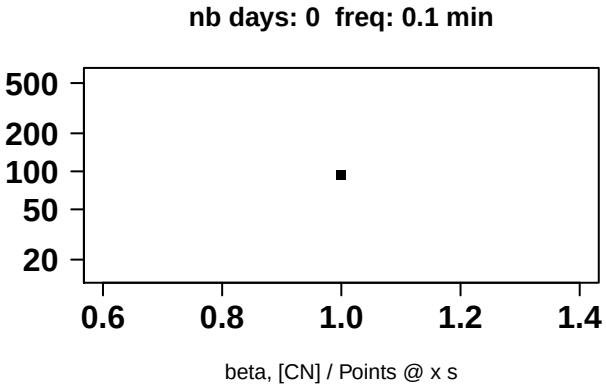
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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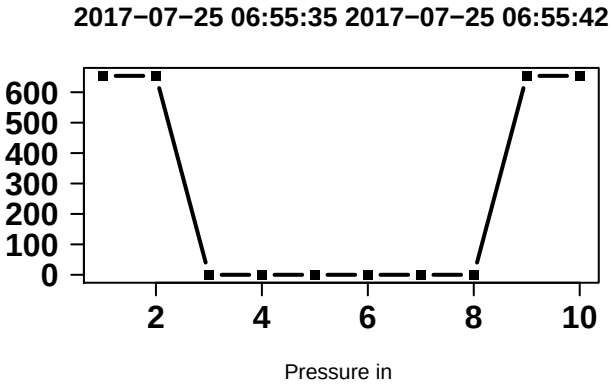
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−25 06:55:35 2017−07−25 06:55:42
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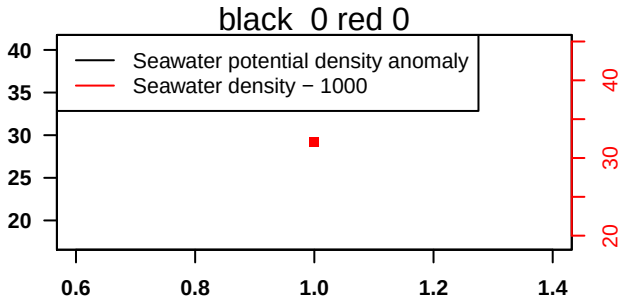
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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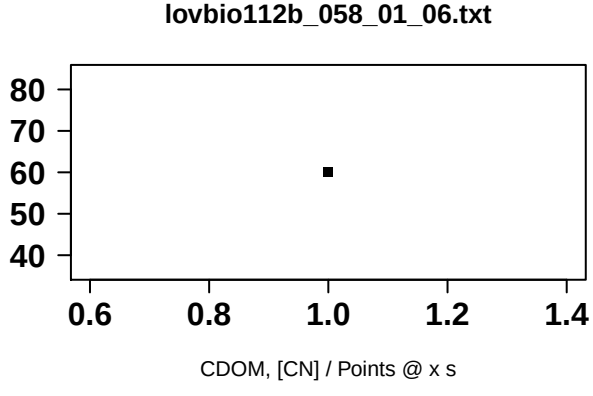
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_058_01_06.txt
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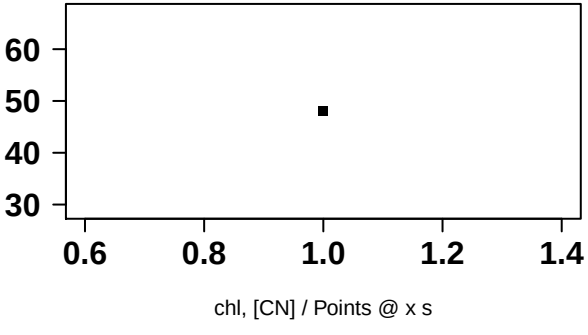
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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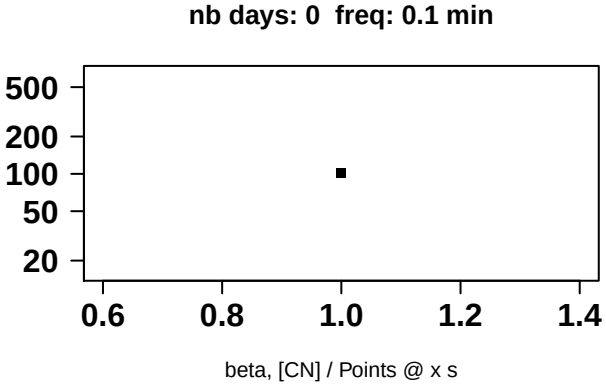
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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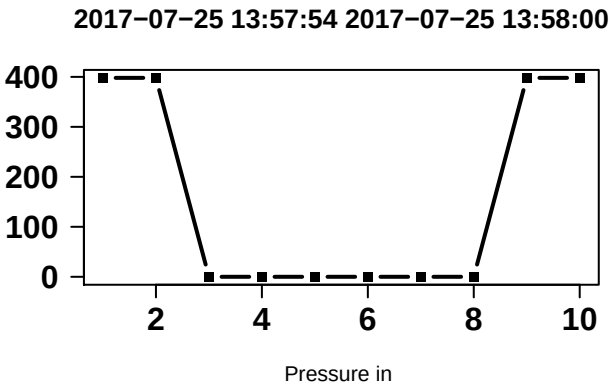
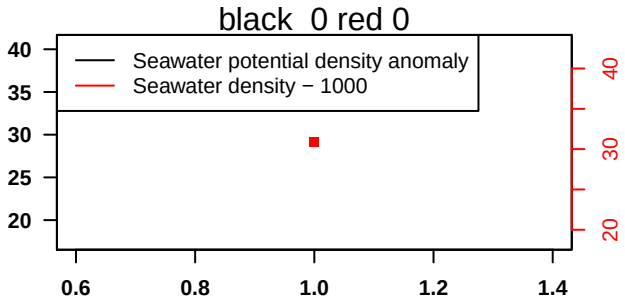
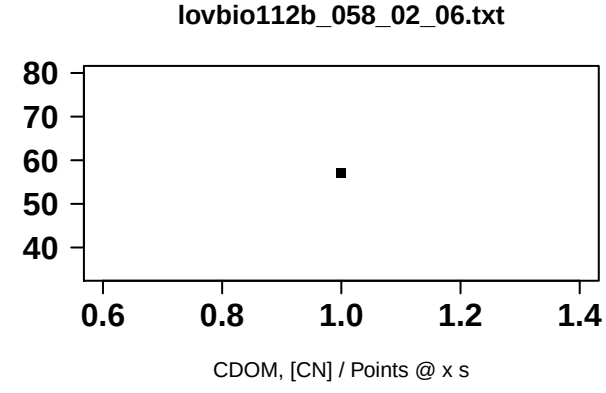
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−25 13:57:54 2017−07−25 13:58:00
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_058_02_06.txt
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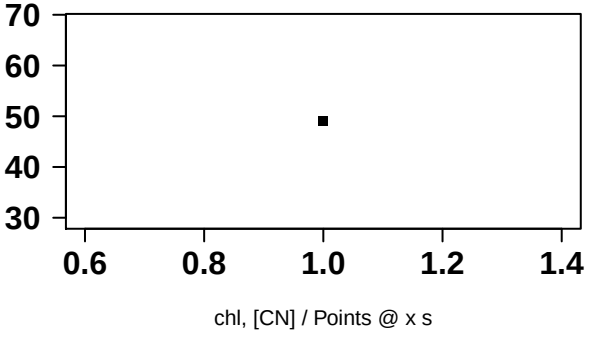
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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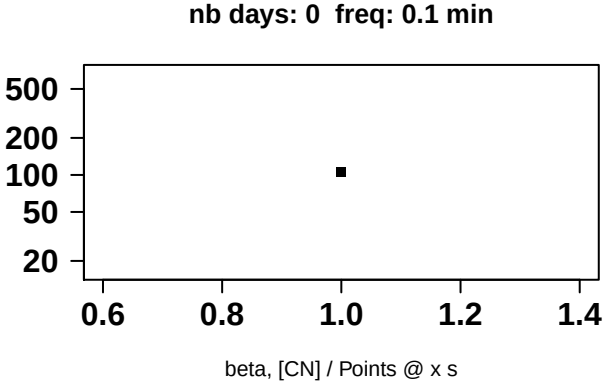
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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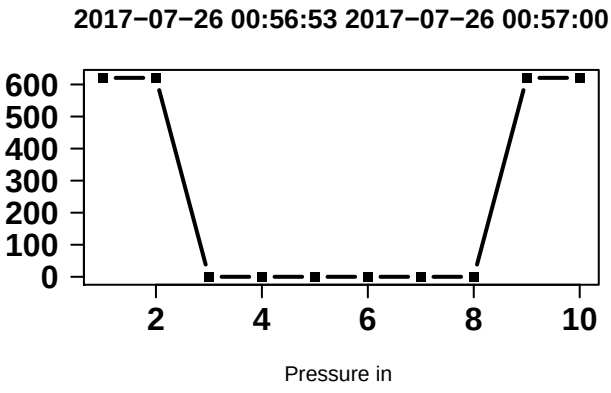
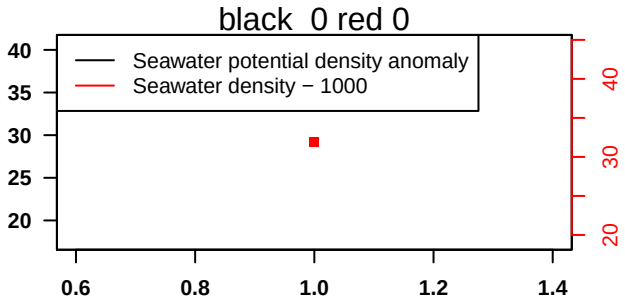
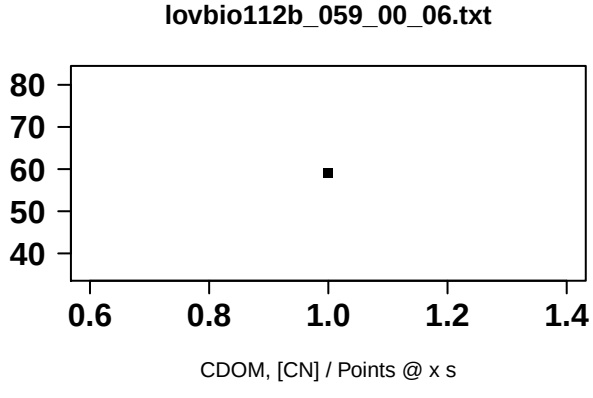
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−26 00:56:53 2017−07−26 00:57:00
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_059_00_06.txt
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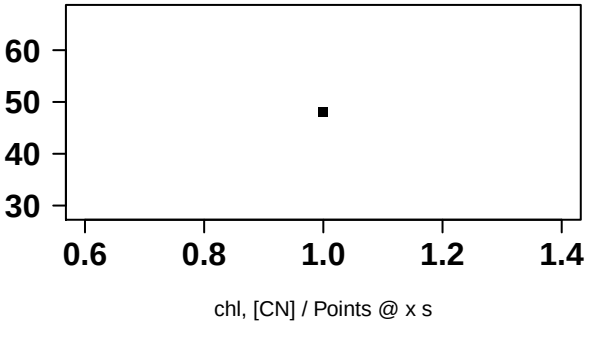
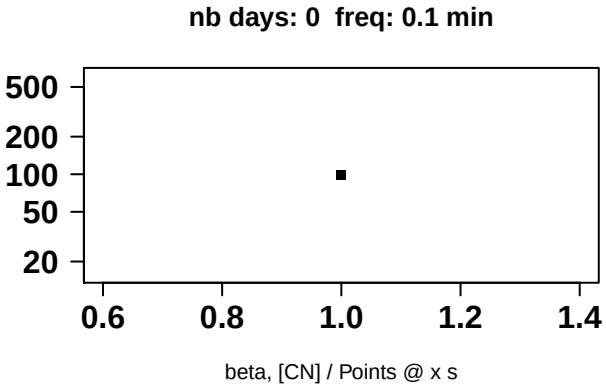
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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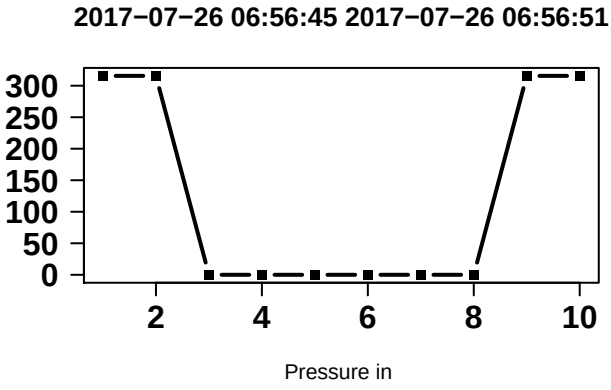
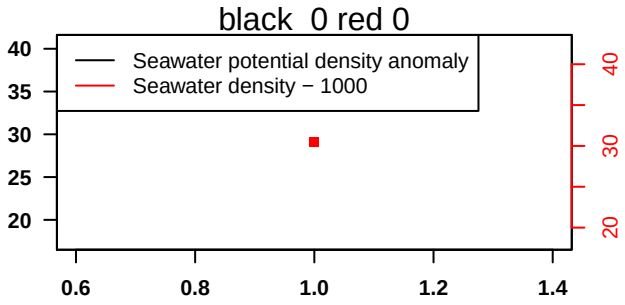
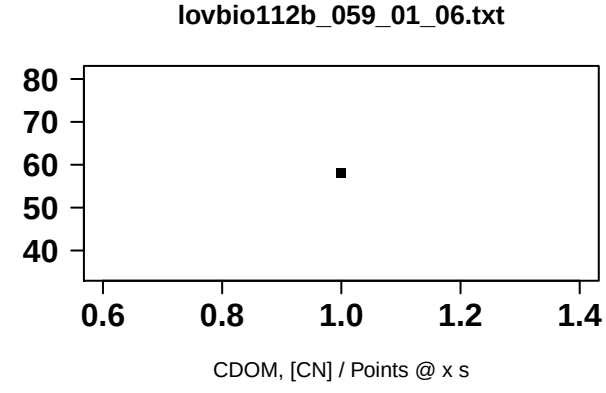
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−26 06:56:45 2017−07−26 06:56:51
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_059_01_06.txt
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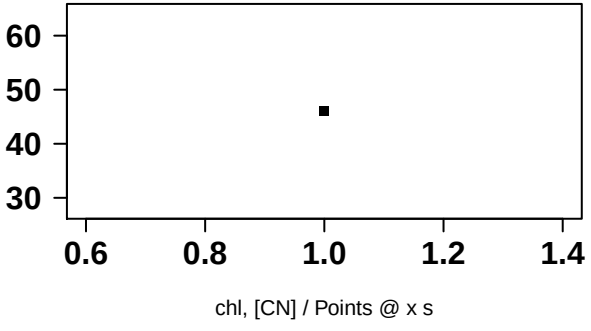
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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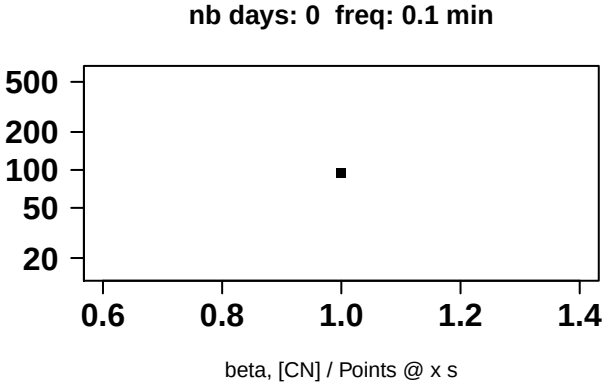
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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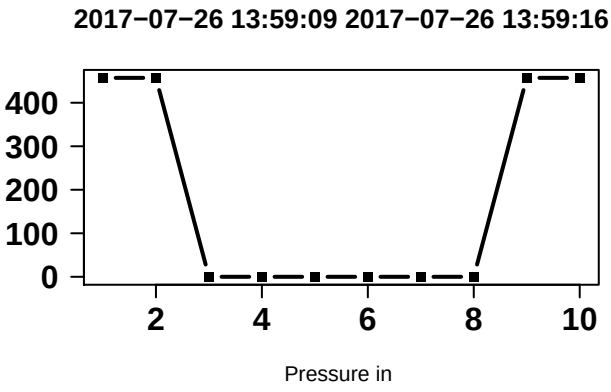
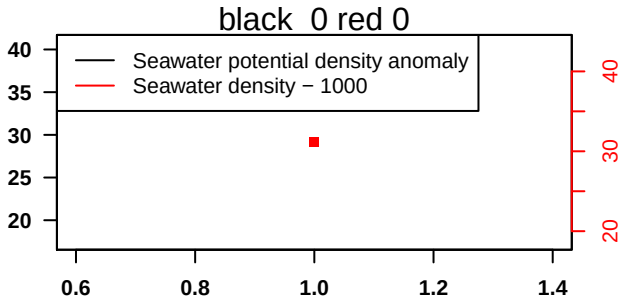
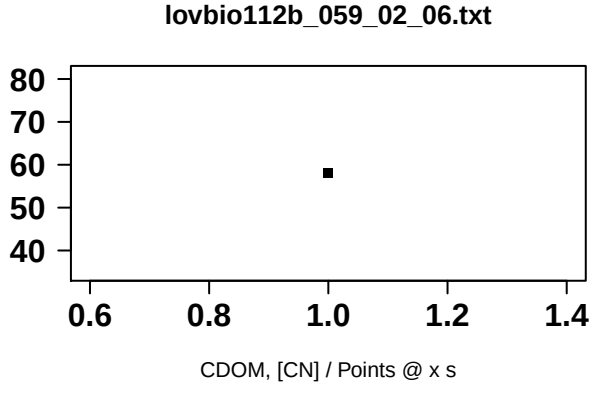
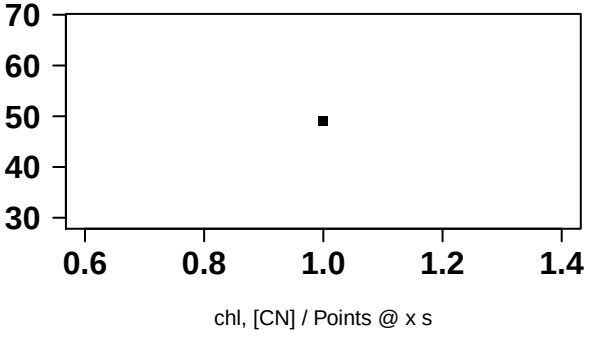
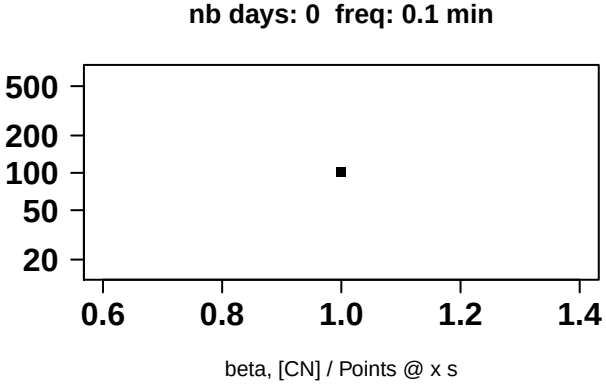
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−26 13:59:09 2017−07−26 13:59:16
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_059_02_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
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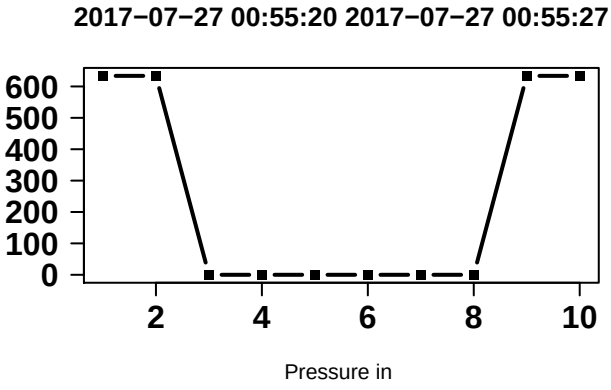
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−27 00:55:20 2017−07−27 00:55:27
600
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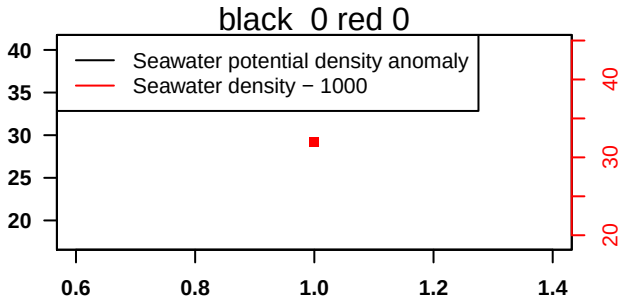
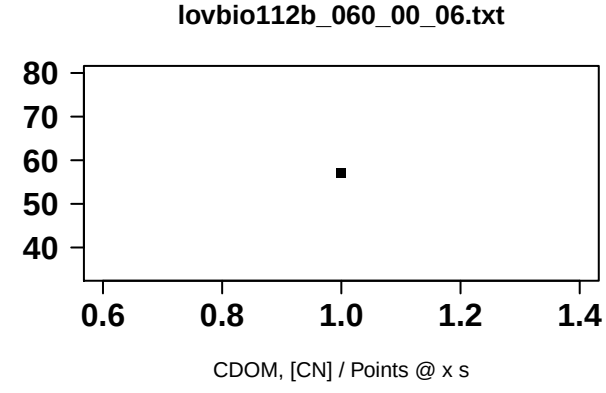
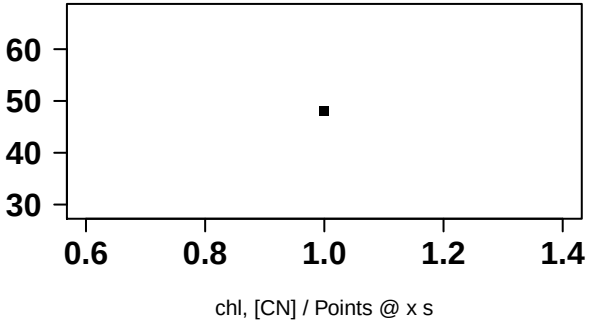
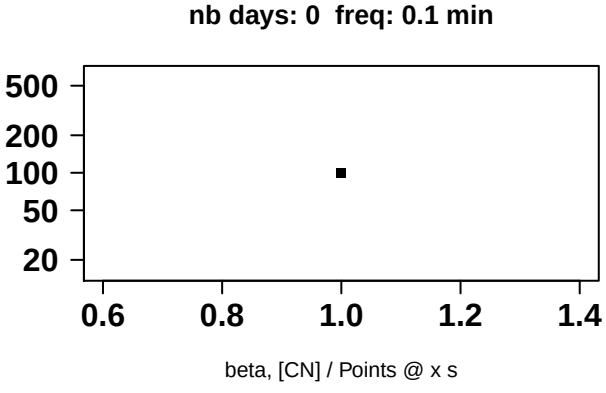
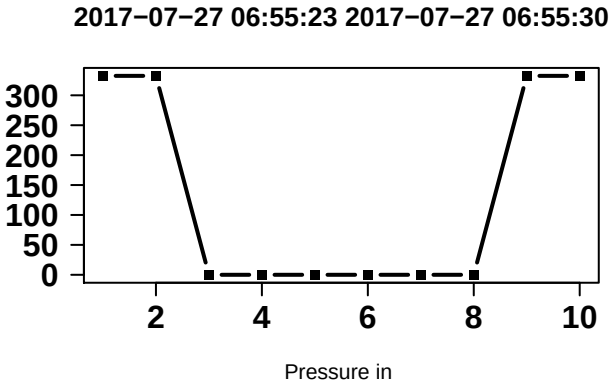
400
300
200
100
0
2
4
6
8
10
Pressure in

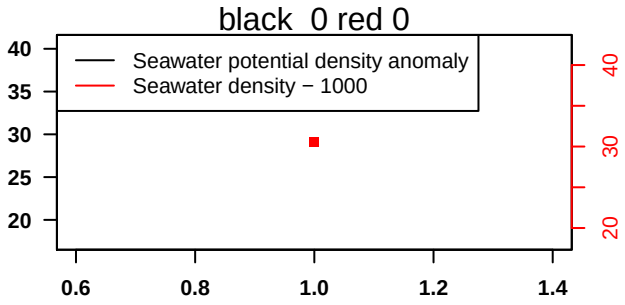

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

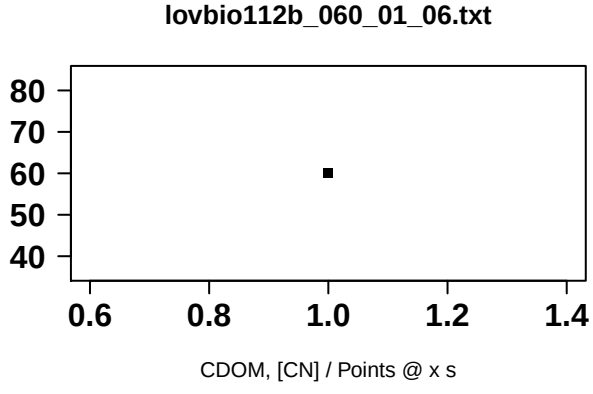

lovbio112b_060_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

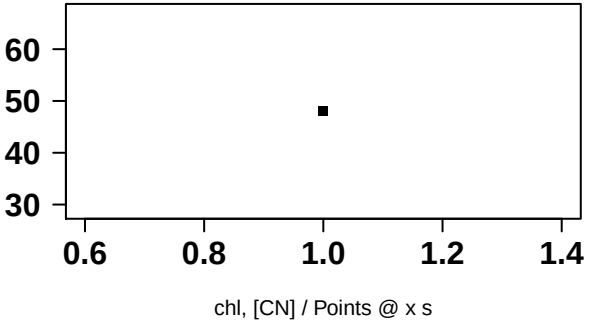

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

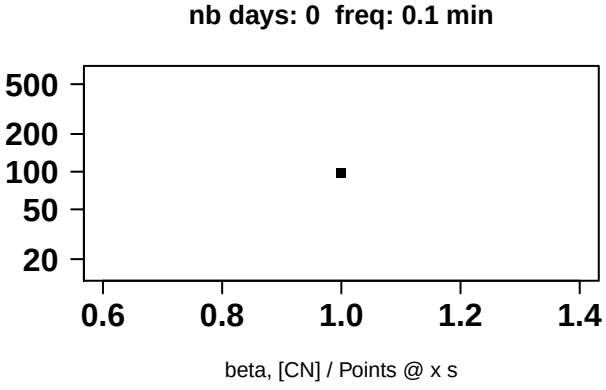

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−27 06:55:23 2017−07−27 06:55:30
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_060_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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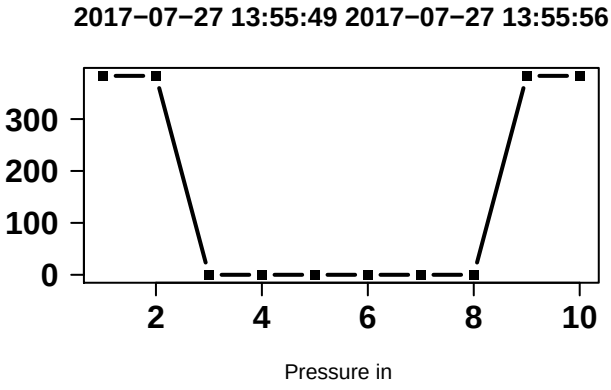
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−27 13:55:49 2017−07−27 13:55:56
300
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100
0
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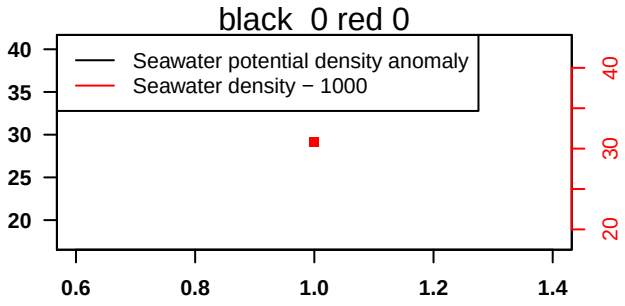
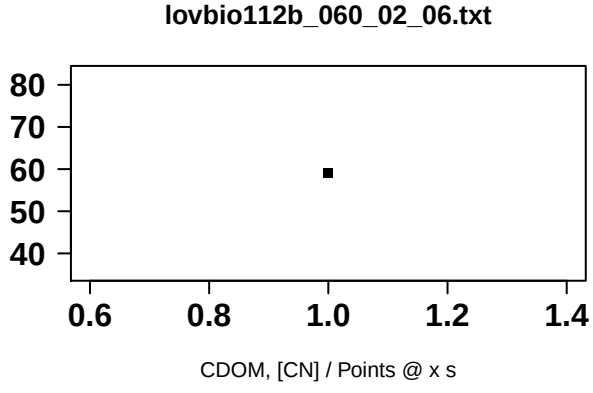
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_060_02_06.txt
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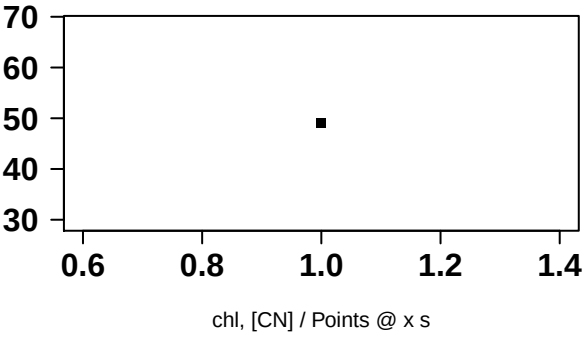
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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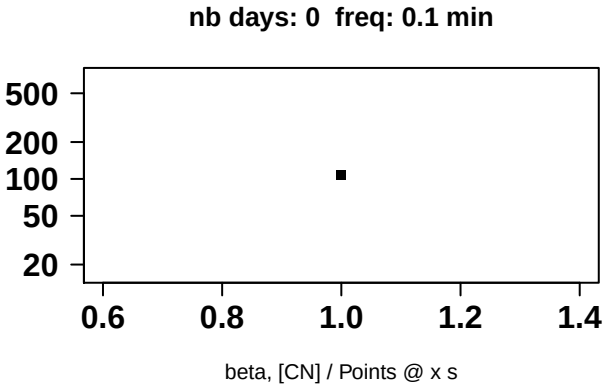
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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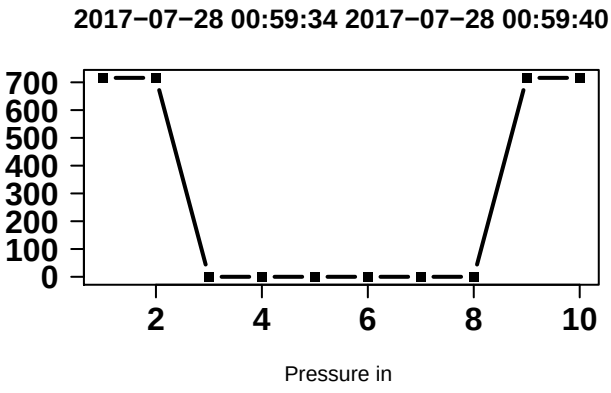
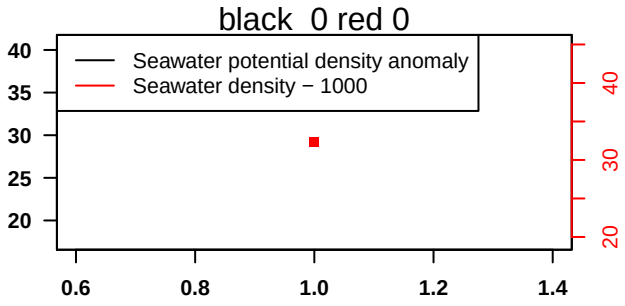
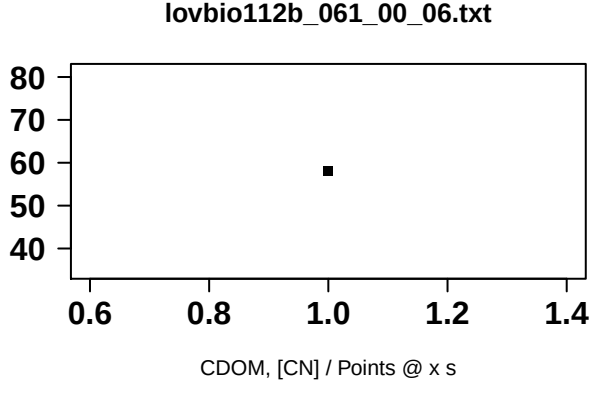
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−28 00:59:34 2017−07−28 00:59:40
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_061_00_06.txt
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70
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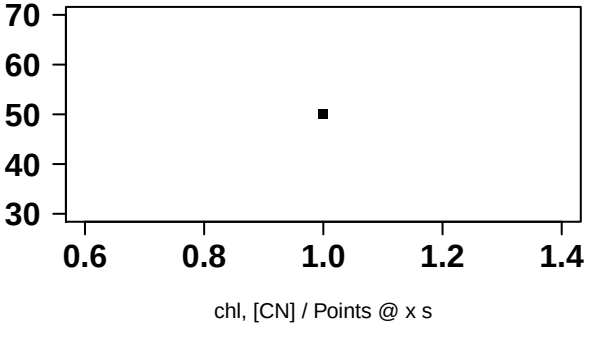
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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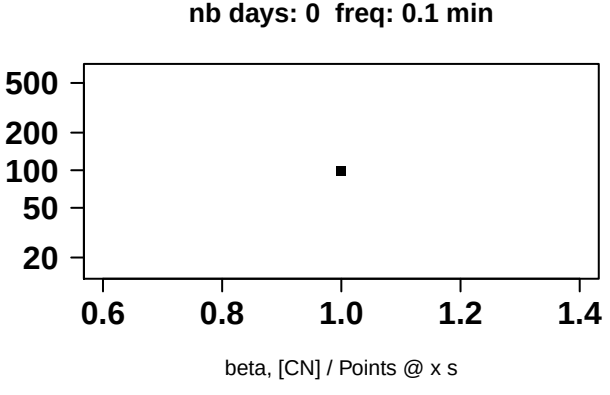
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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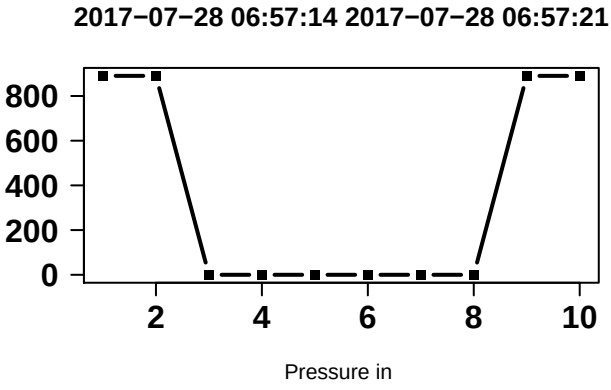
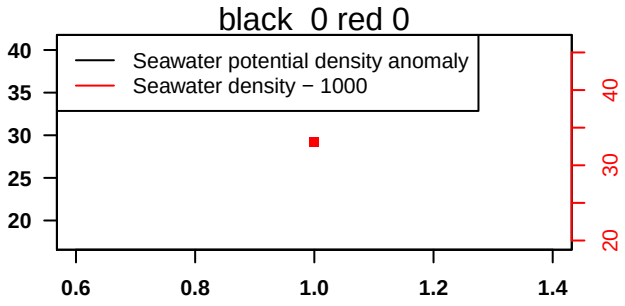
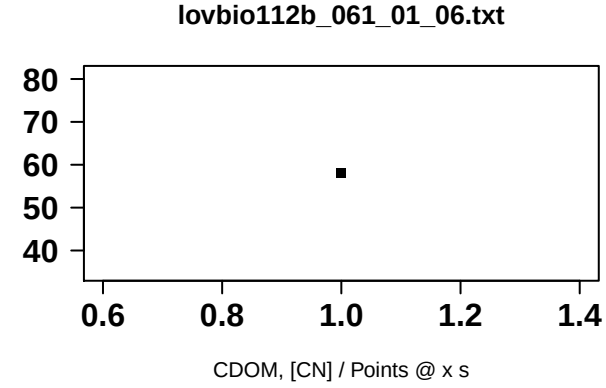
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−28 06:57:14 2017−07−28 06:57:21
800
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_061_01_06.txt
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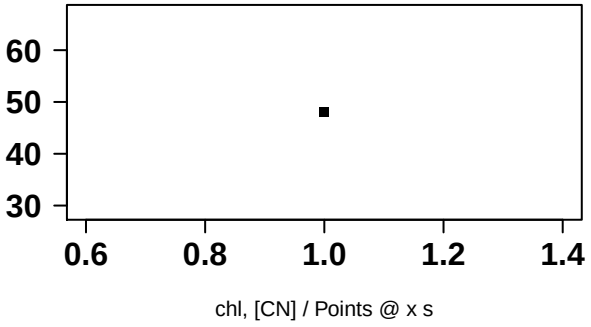
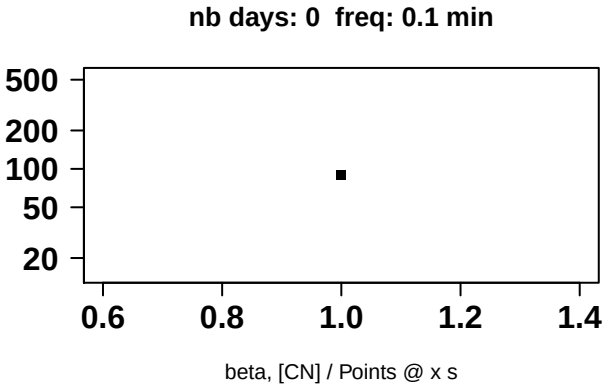
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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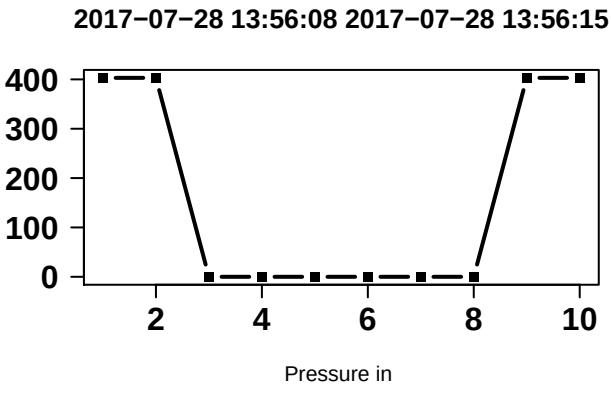
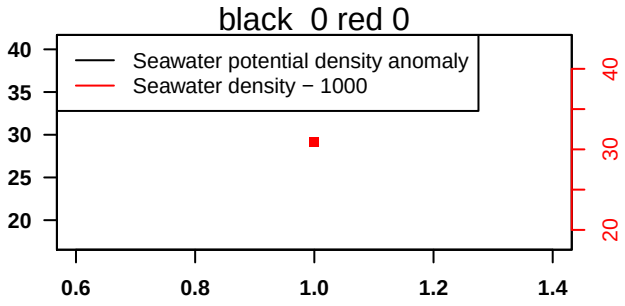
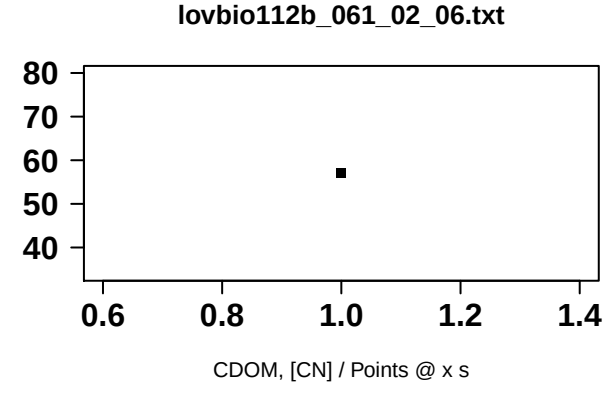
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−28 13:56:08 2017−07−28 13:56:15
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_061_02_06.txt
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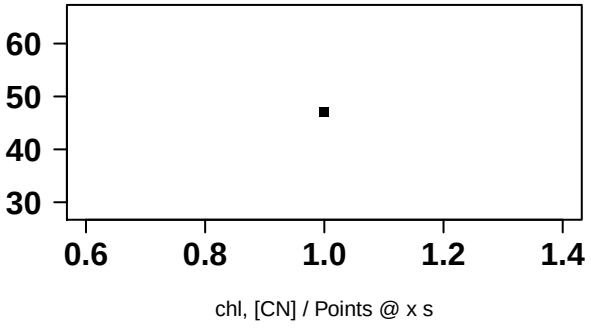
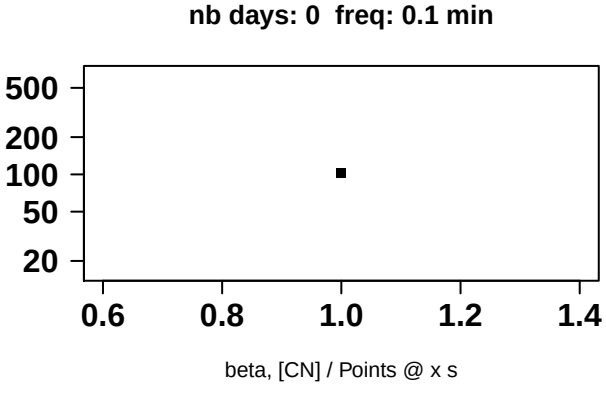
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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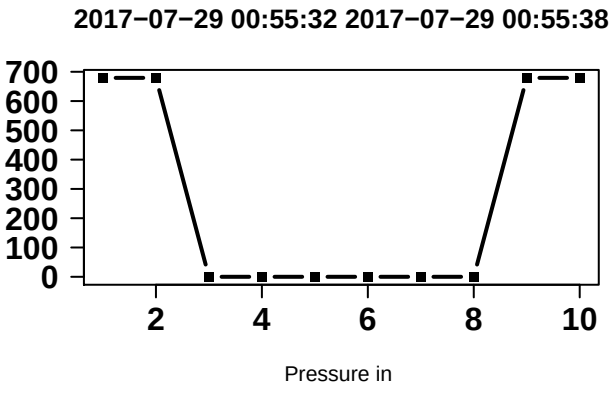
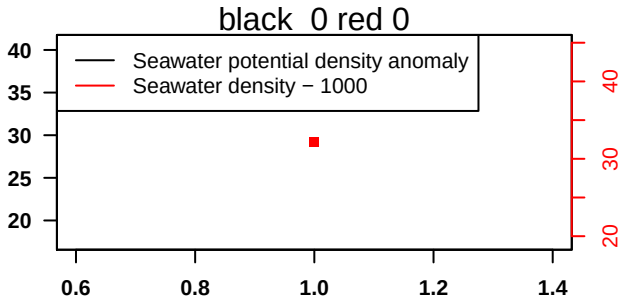
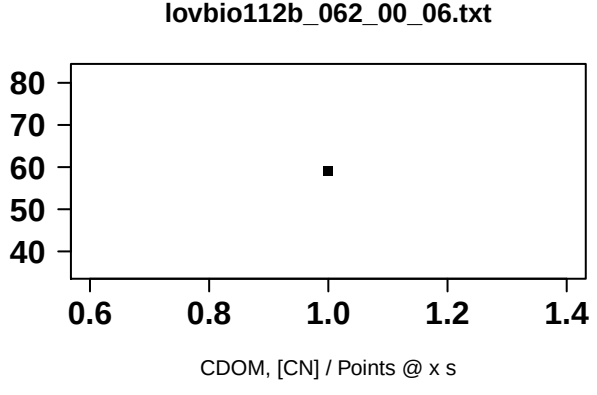
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−29 00:55:32 2017−07−29 00:55:38
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_062_00_06.txt
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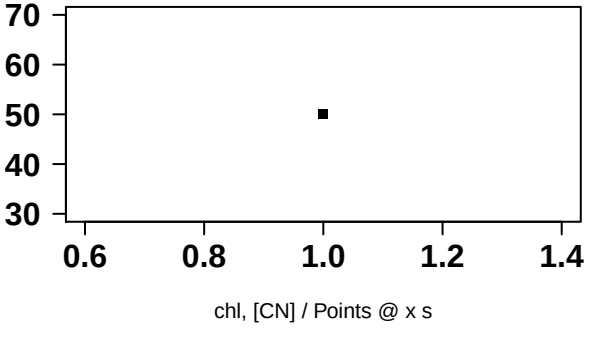
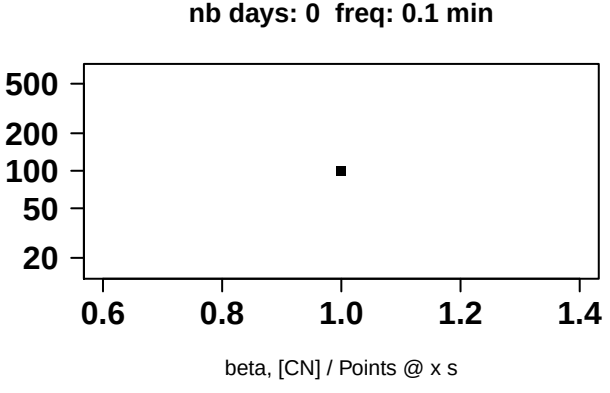
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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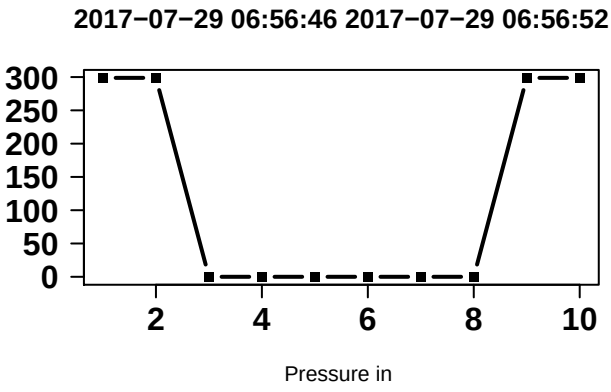
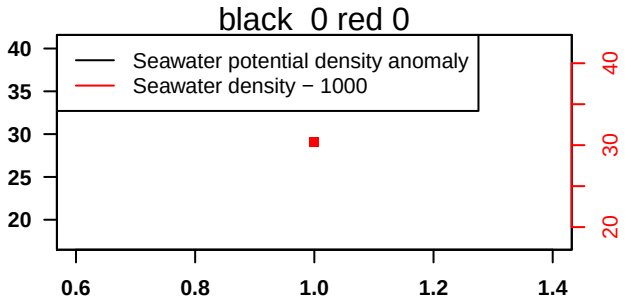
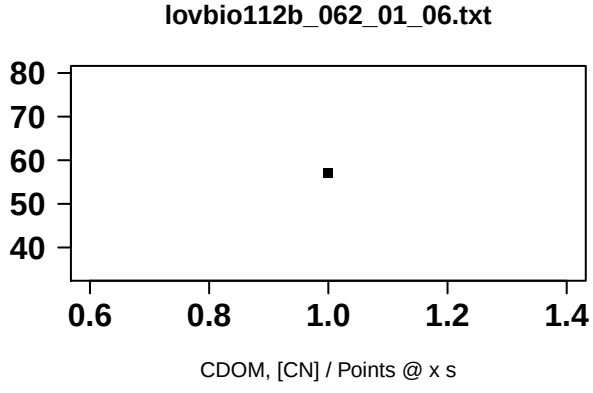
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−29 06:56:46 2017−07−29 06:56:52
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_062_01_06.txt
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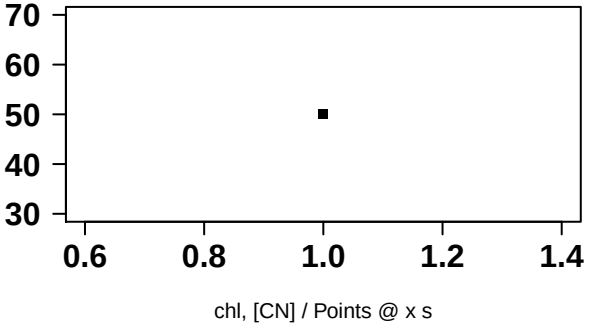
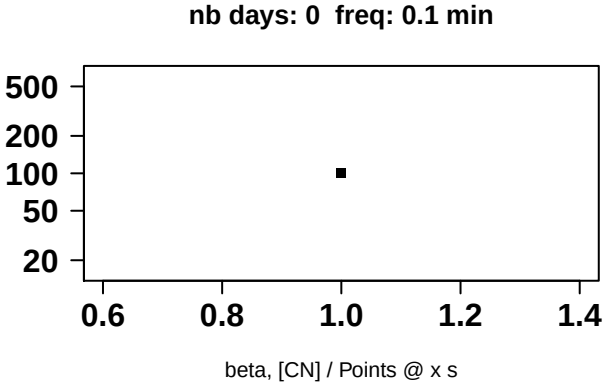
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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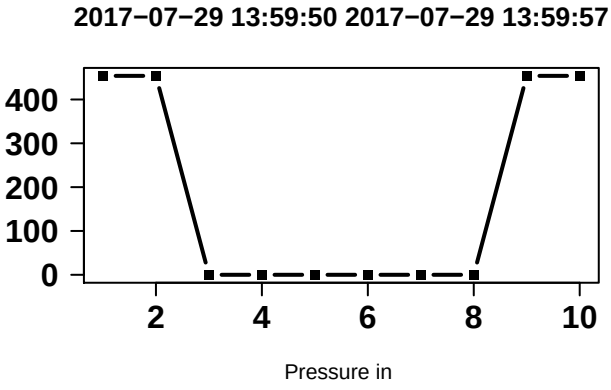
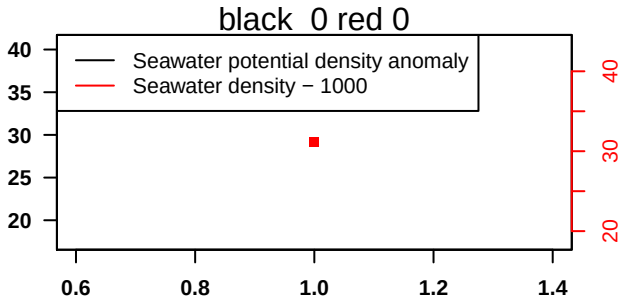
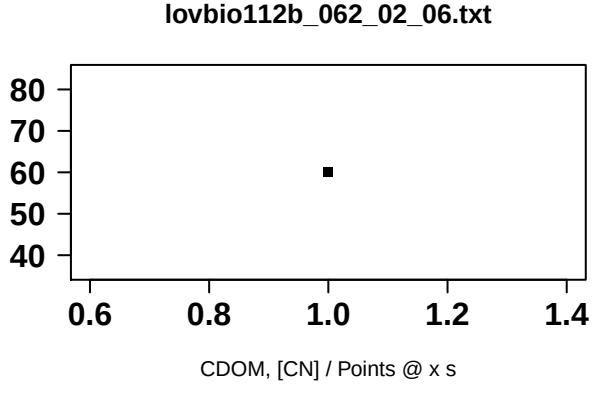
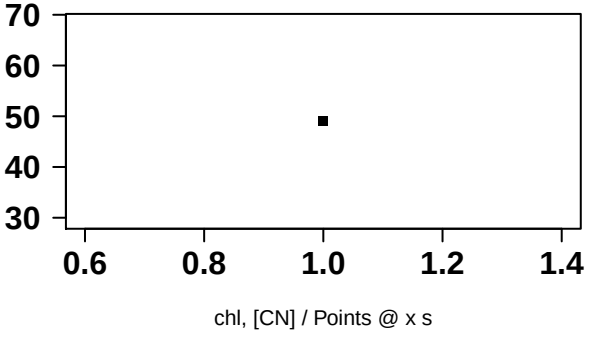
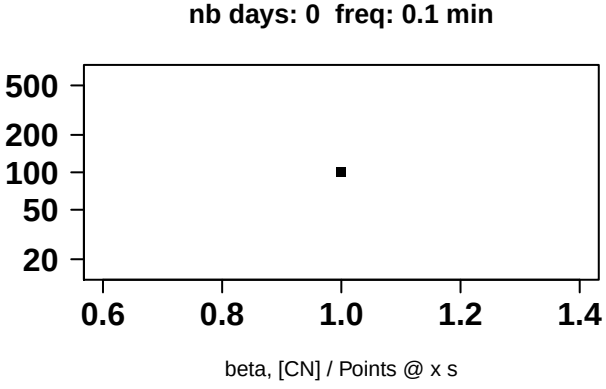
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

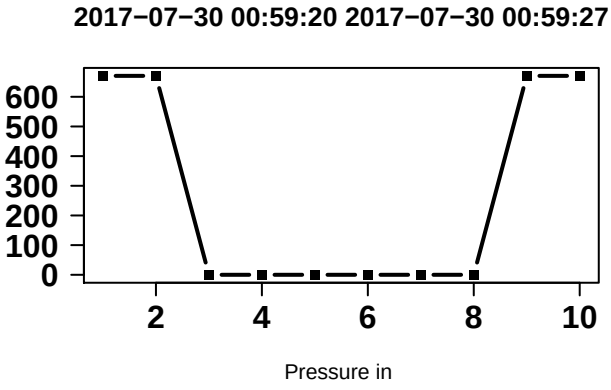

2017−07−29 13:59:50 2017−07−29 13:59:57
400
300
200
100
0
2
4
6
8
10
Pressure in

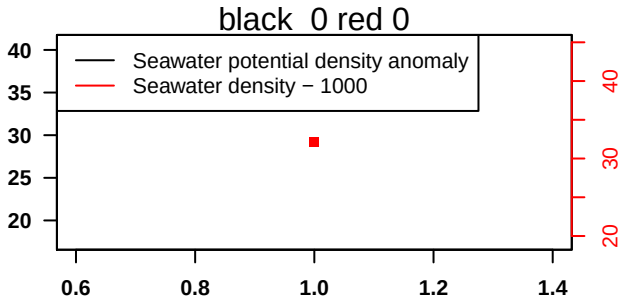

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

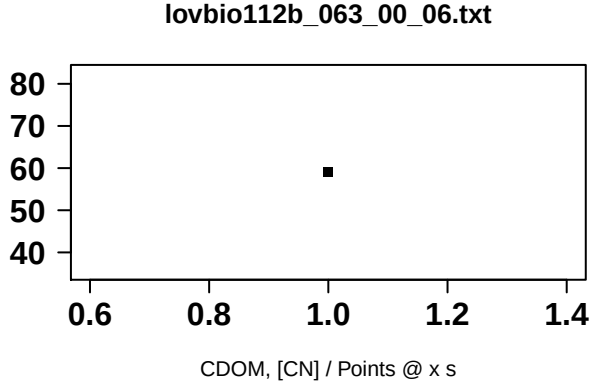

lovbio112b_062_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

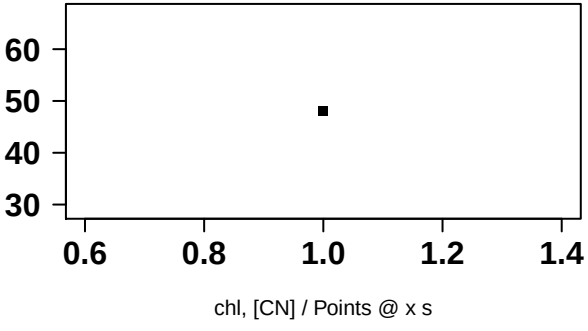

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

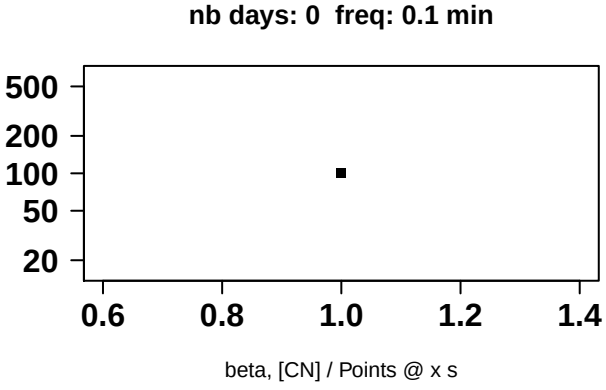

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

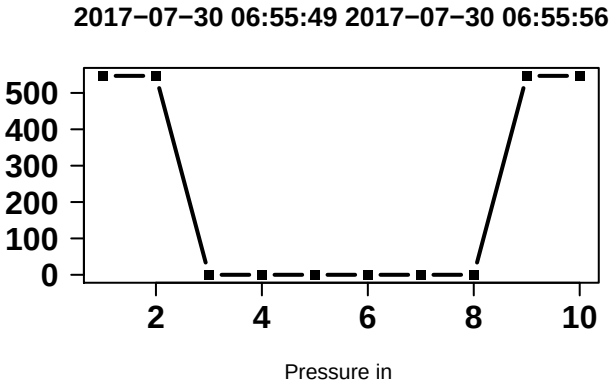

2017−07−30 00:59:20 2017−07−30 00:59:27
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in

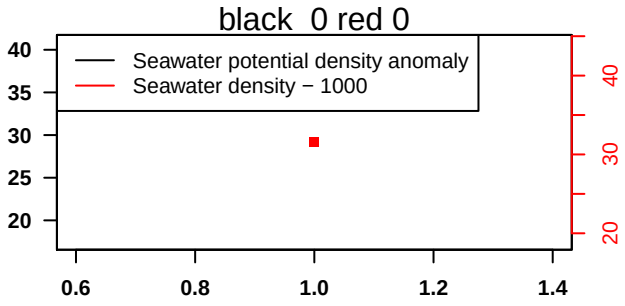

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

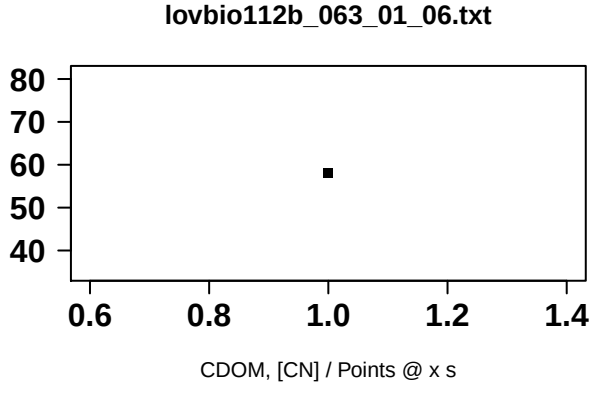

lovbio112b_063_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

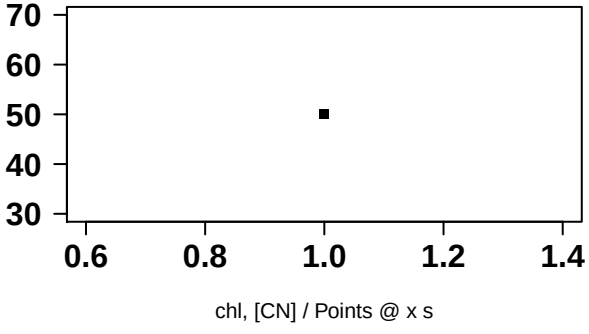

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

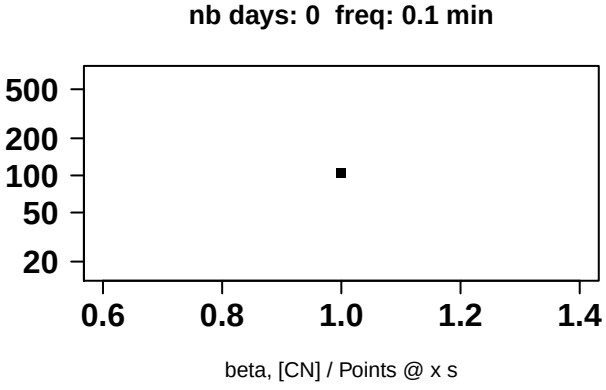

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−30 06:55:49 2017−07−30 06:55:56
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_063_01_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
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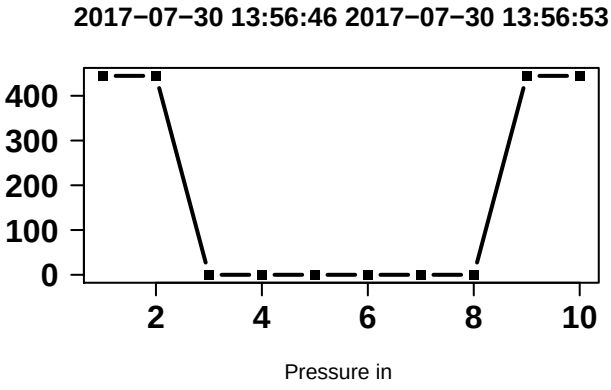
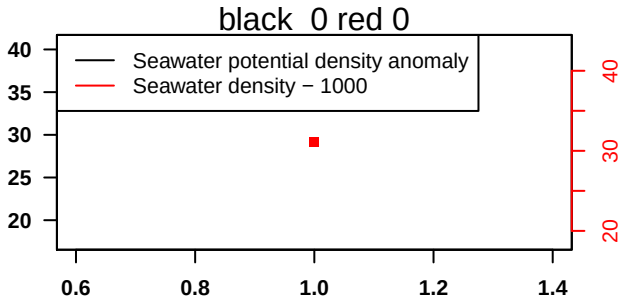
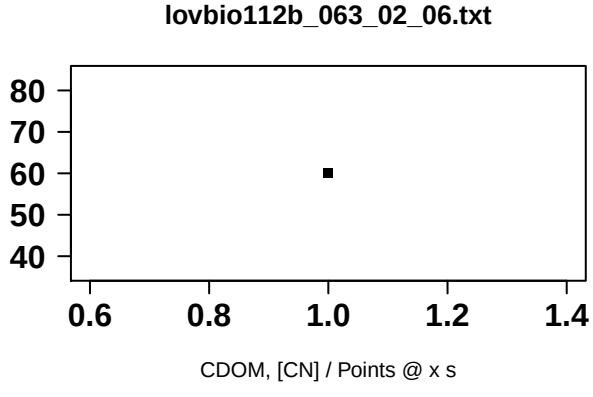
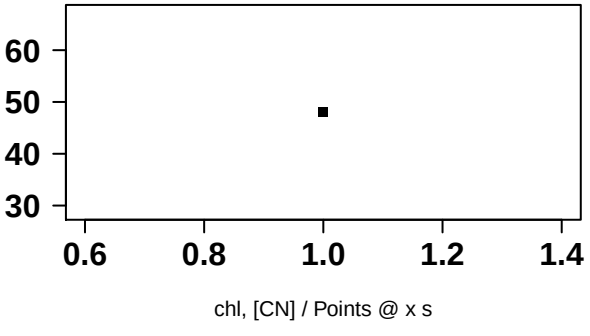
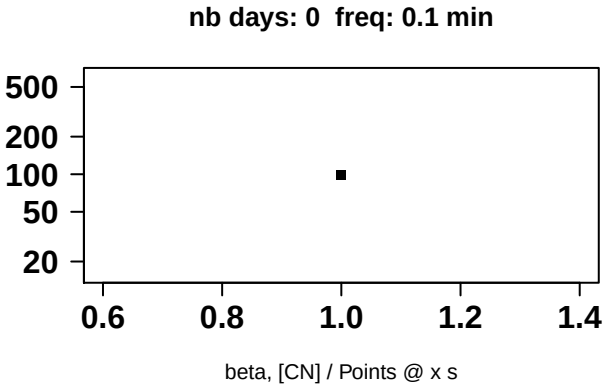
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−07−30 13:56:46 2017−07−30 13:56:53
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_063_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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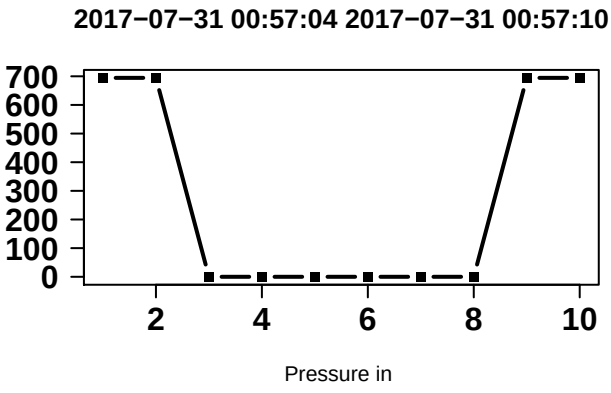
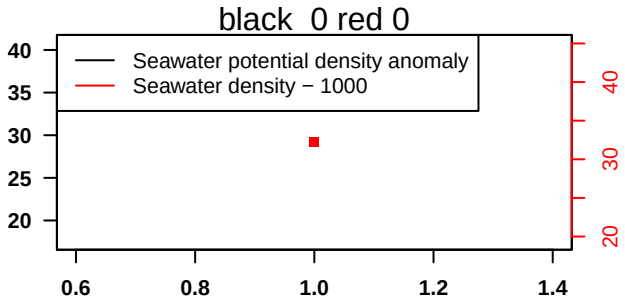
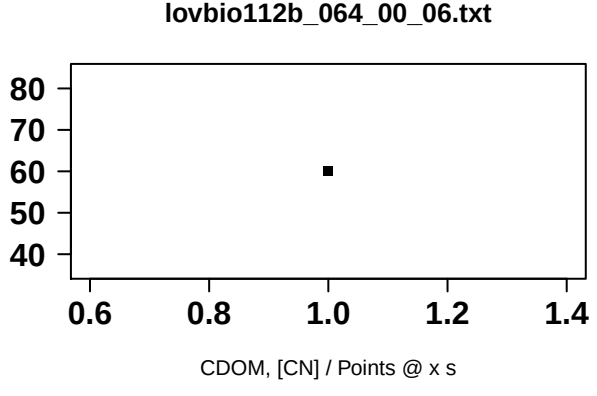
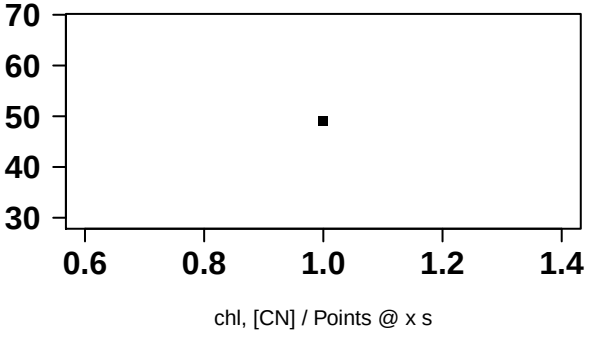
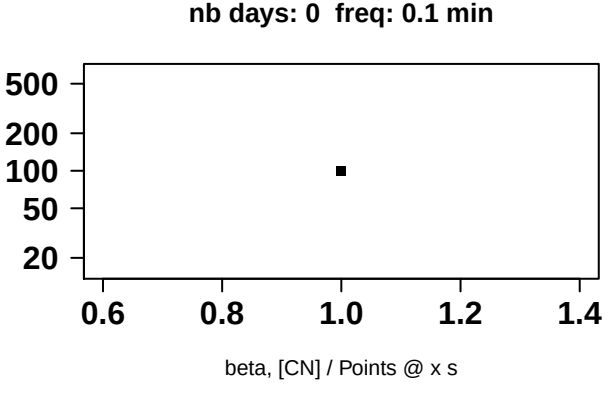
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

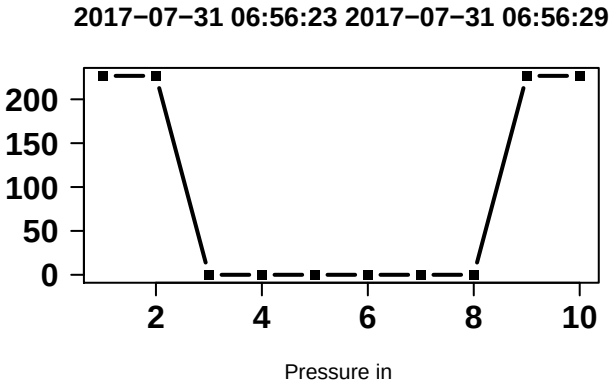

2017−07−31 00:57:04 2017−07−31 00:57:10
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in

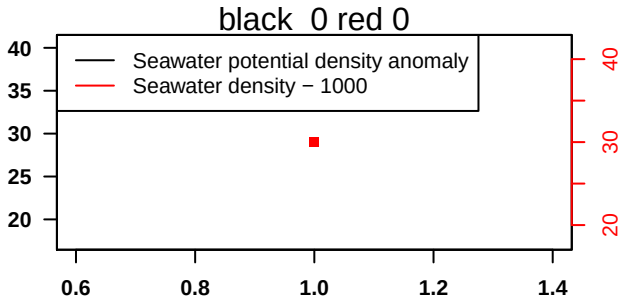

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

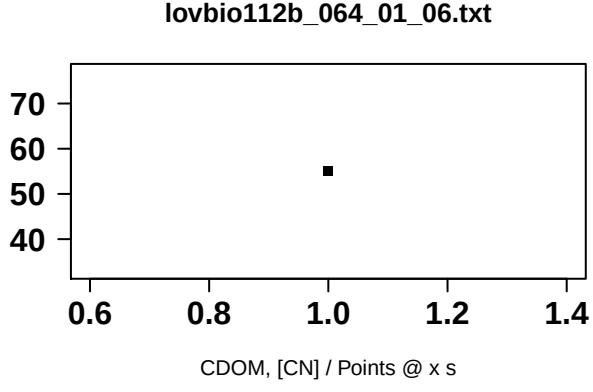

lovbio112b_064_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

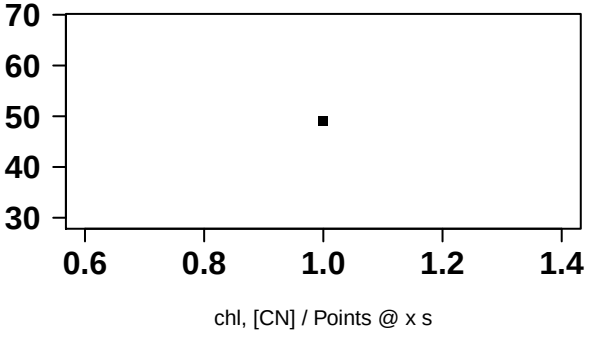

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

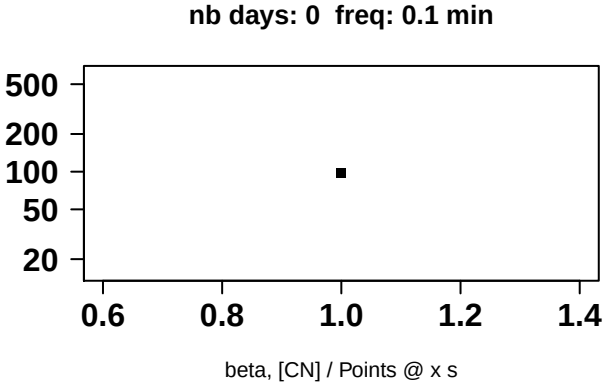

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

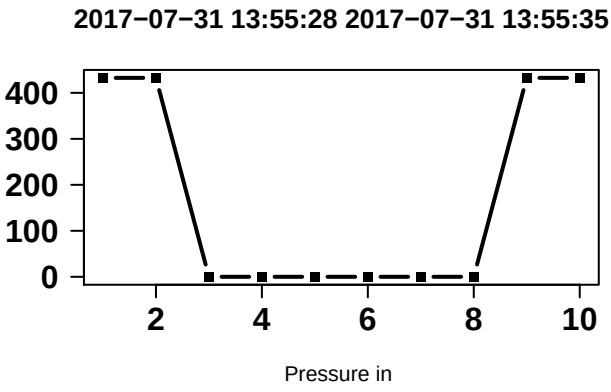

2017−07−31 06:56:23 2017−07−31 06:56:29
200
150
100
50
0
2
4
6
8
10
Pressure in

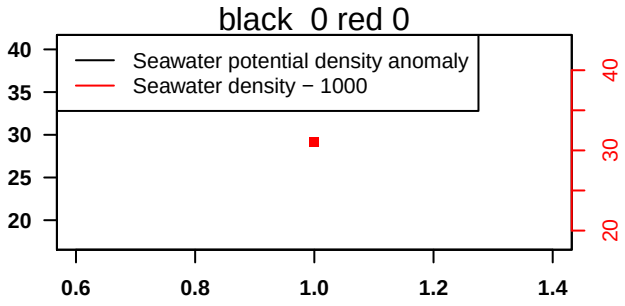

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

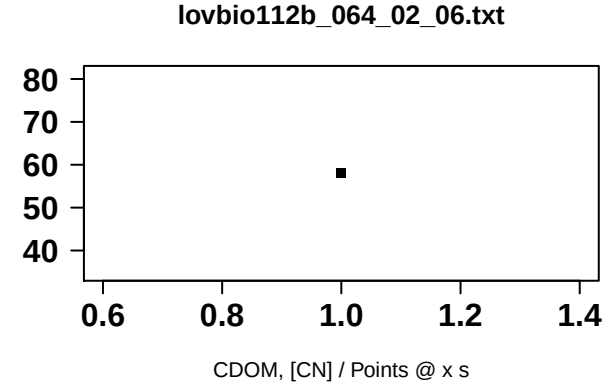

lovbio112b_064_01_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

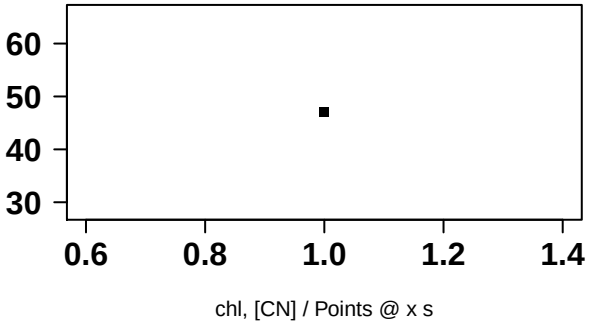

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

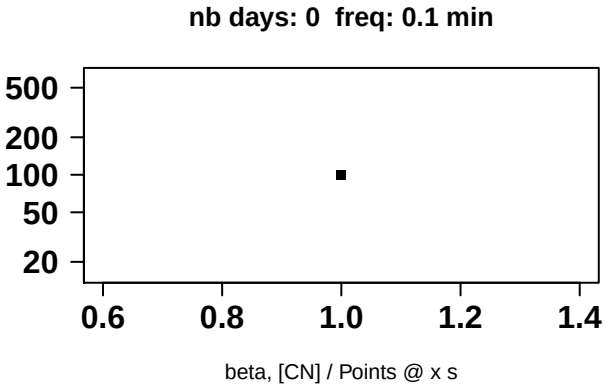

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

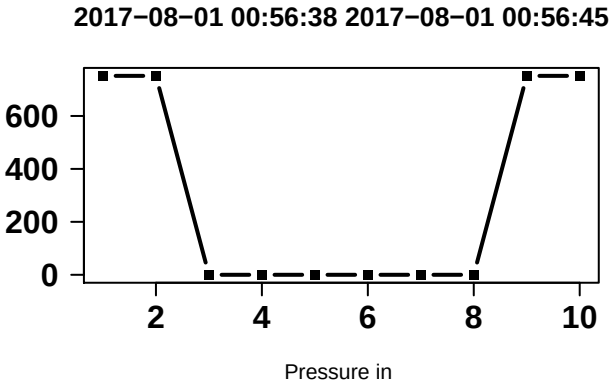

2017−07−31 13:55:28 2017−07−31 13:55:35
400
300
200
100
0
2
4
6
8
10
Pressure in

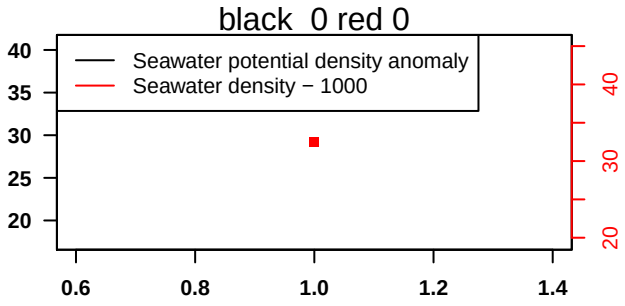

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

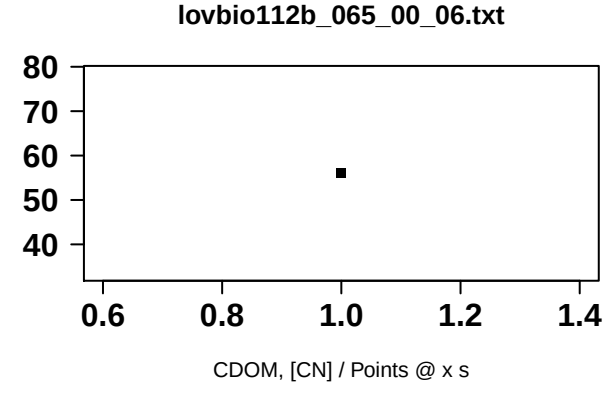

lovbio112b_064_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

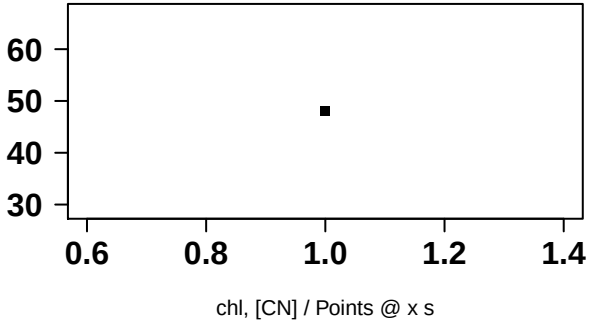

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

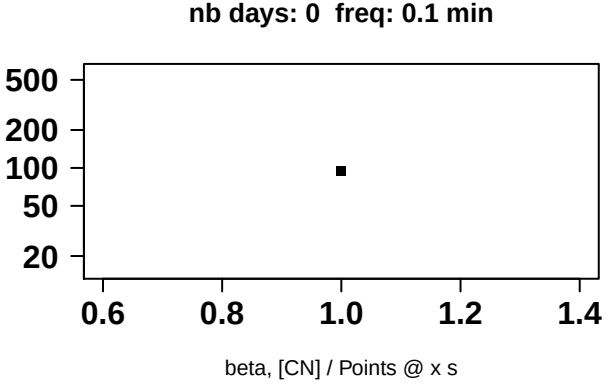

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

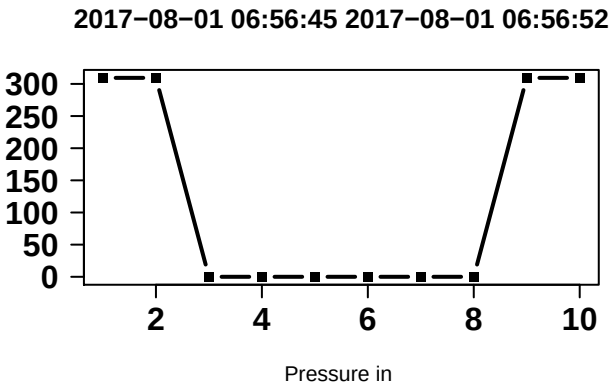

2017−08−01 00:56:38 2017−08−01 00:56:45
600
400
200
0
2
4
6
8
10
Pressure in

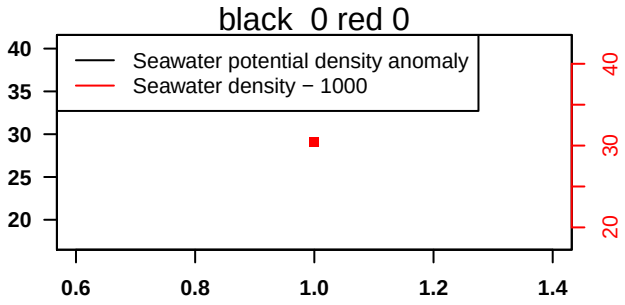

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

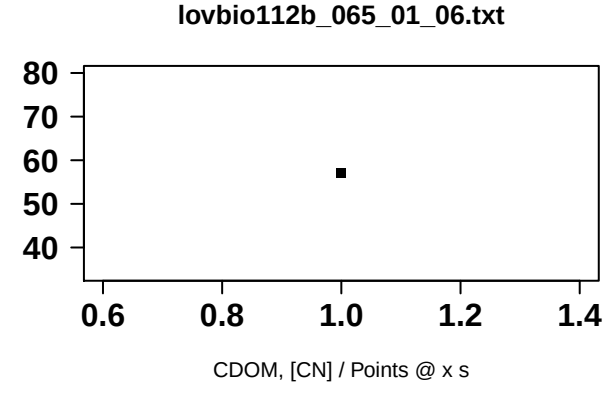

lovbio112b_065_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

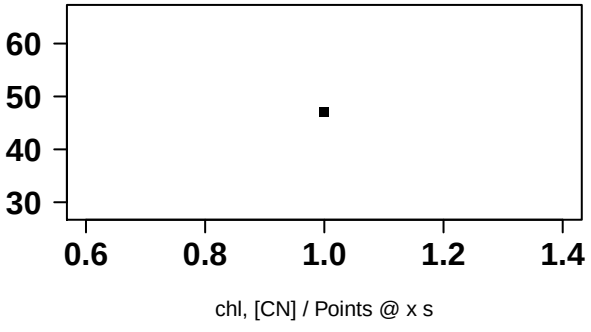

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

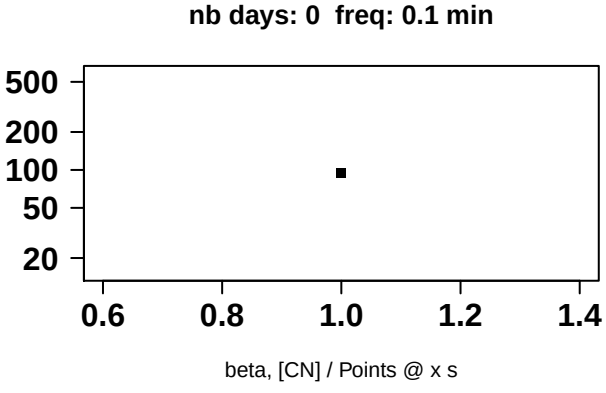

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

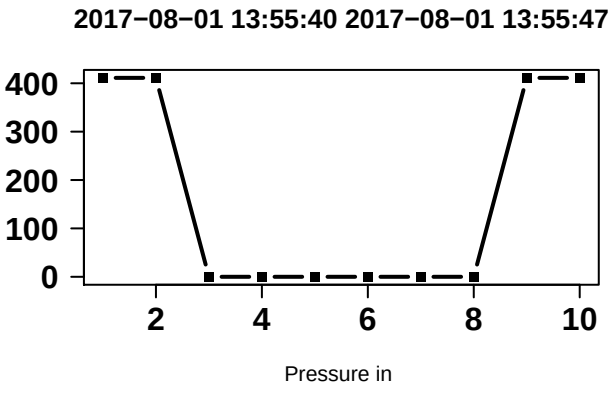

2017−08−01 06:56:45 2017−08−01 06:56:52
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

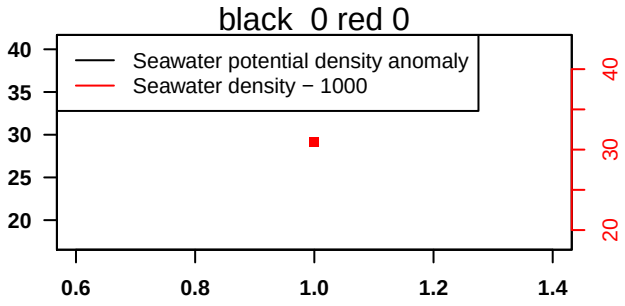

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

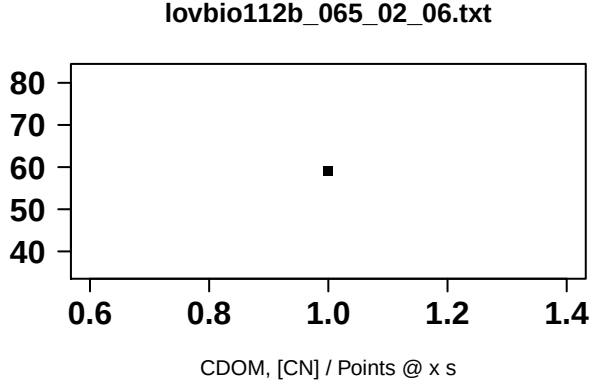

lovbio112b_065_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

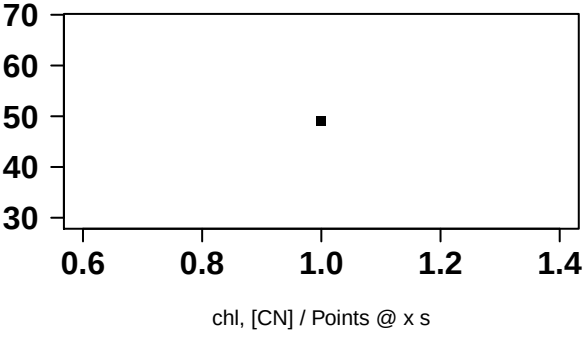

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−08−01 13:55:40 2017−08−01 13:55:47
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_065_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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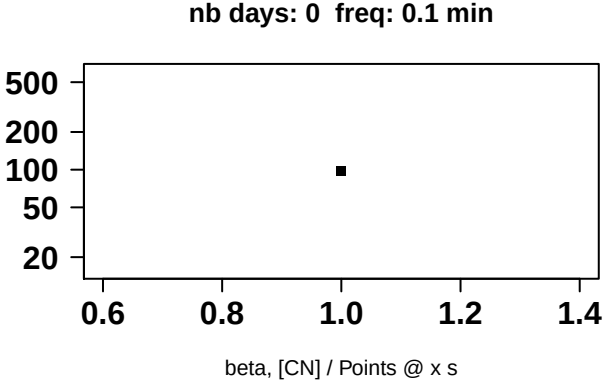
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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0.6
0.8
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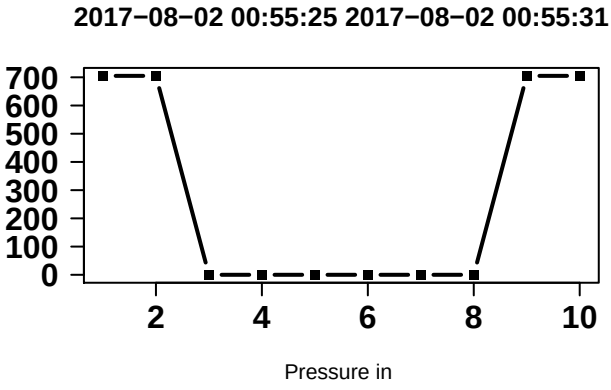
1.2
1.4
beta, [CN] / Points @ x s


2017−08−02 00:55:25 2017−08−02 00:55:31
700
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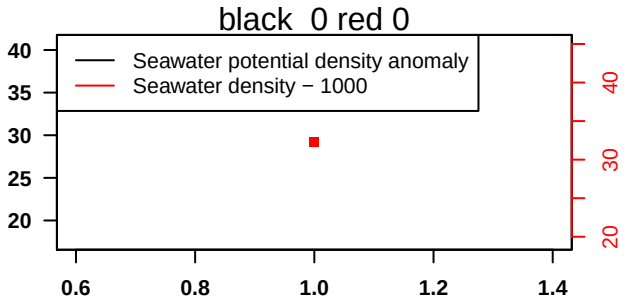
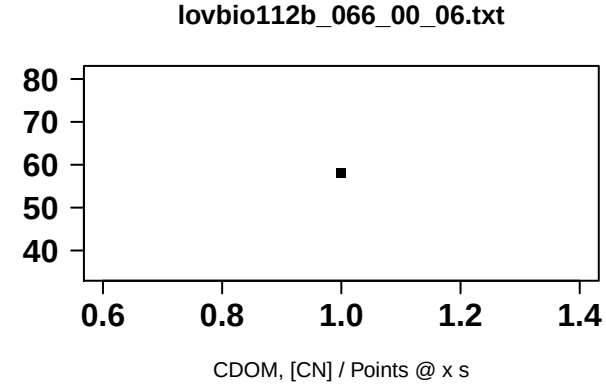
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_066_00_06.txt
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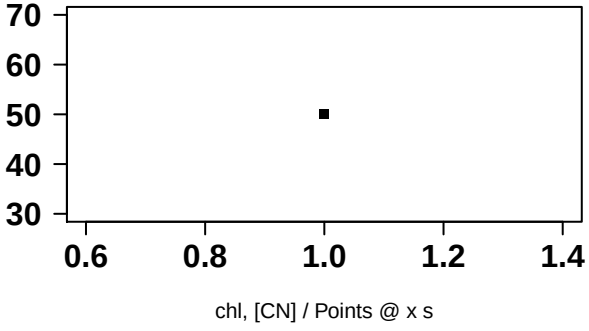
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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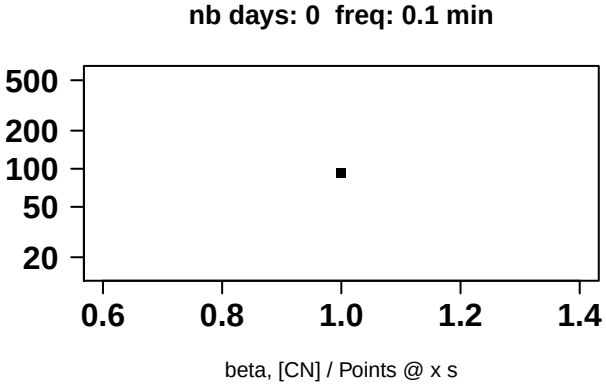
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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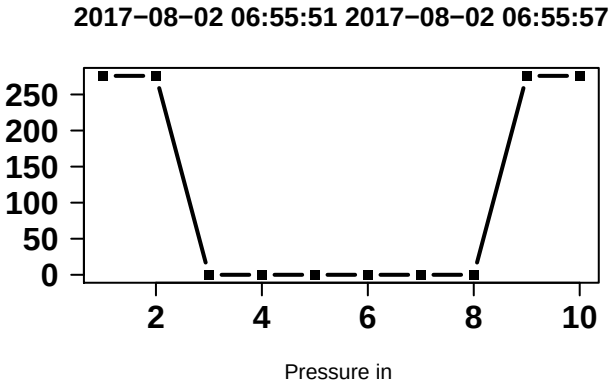
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−02 06:55:51 2017−08−02 06:55:57
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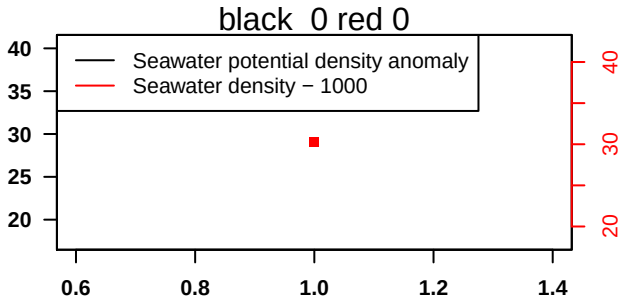
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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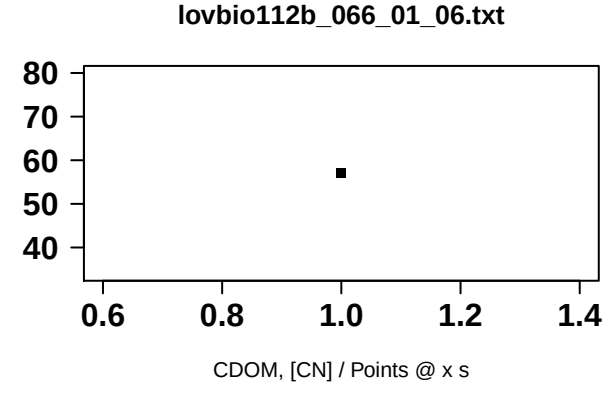
40
30
20


lovbio112b_066_01_06.txt
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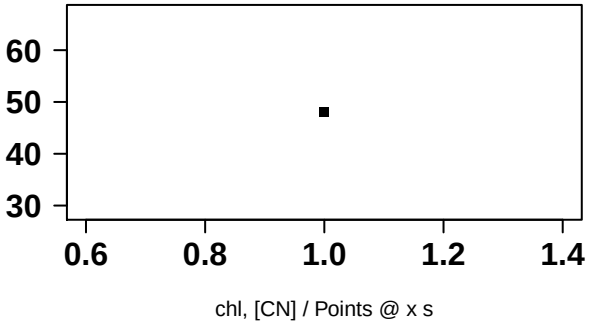
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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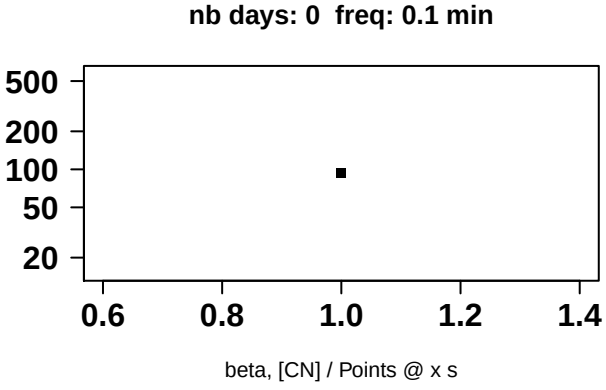
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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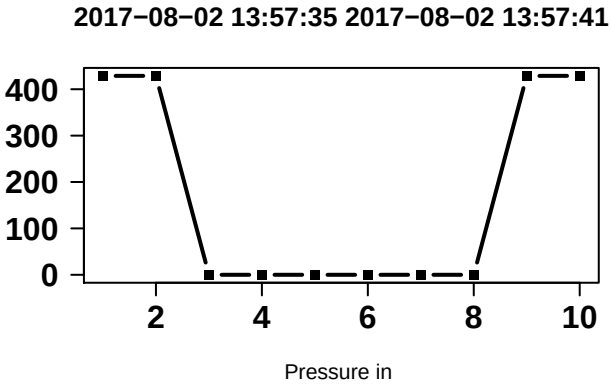
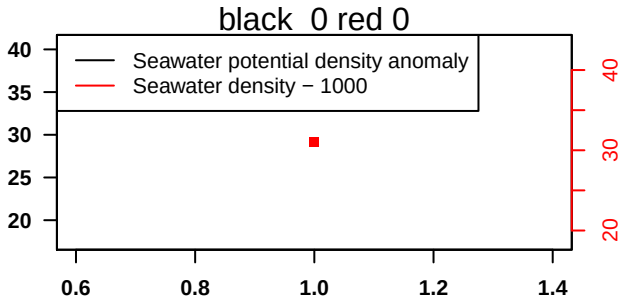
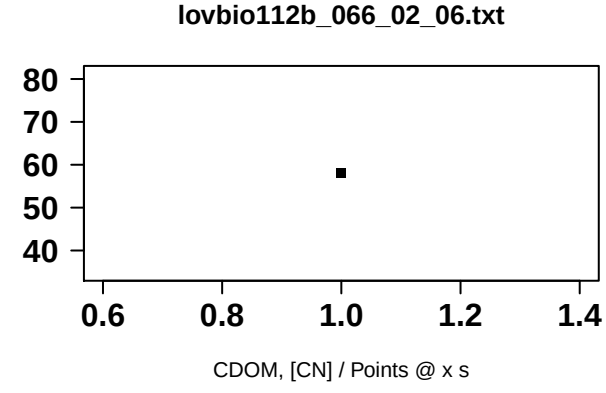
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−02 13:57:35 2017−08−02 13:57:41
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_066_02_06.txt
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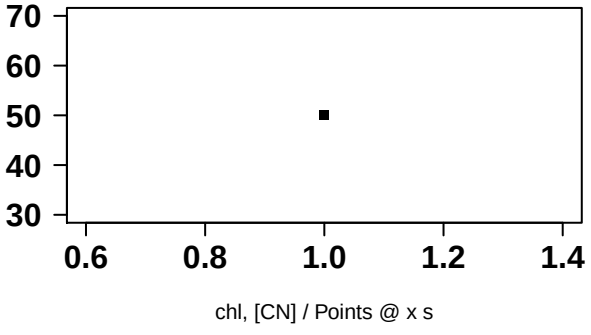
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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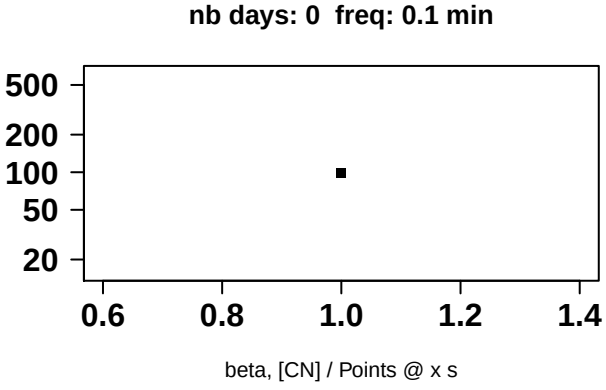
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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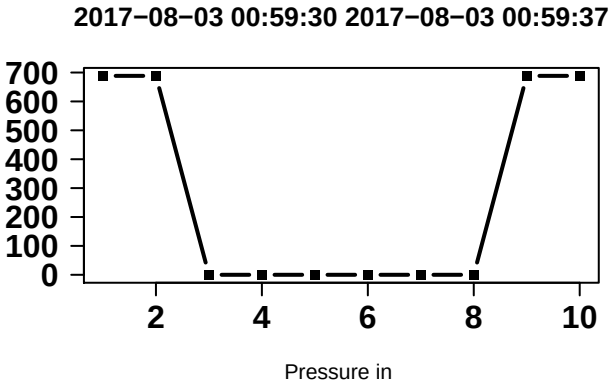
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−03 00:59:30 2017−08−03 00:59:37
700
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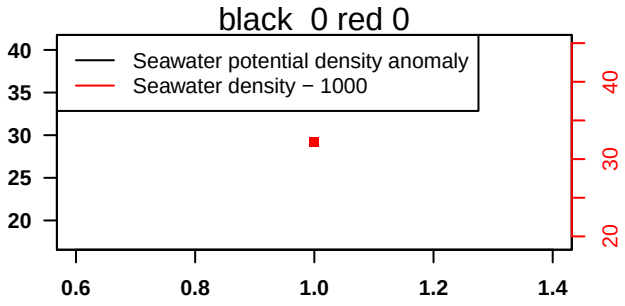
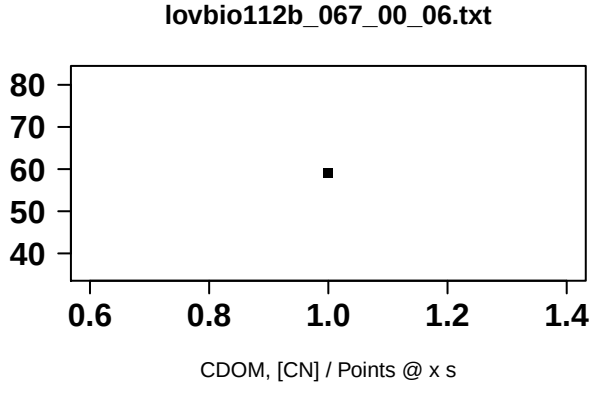
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_067_00_06.txt
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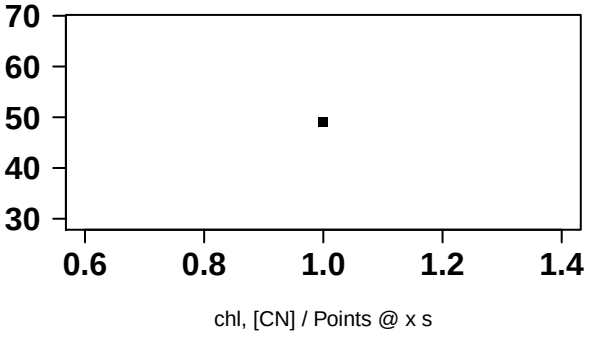
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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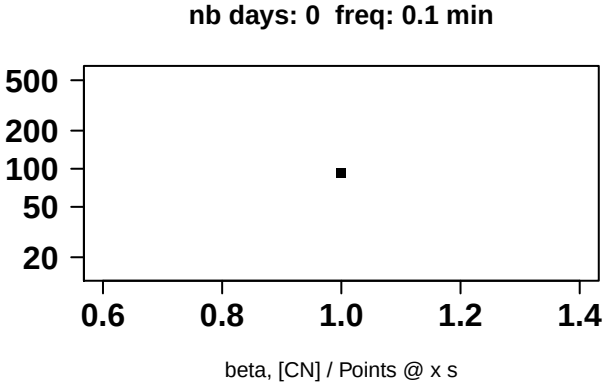
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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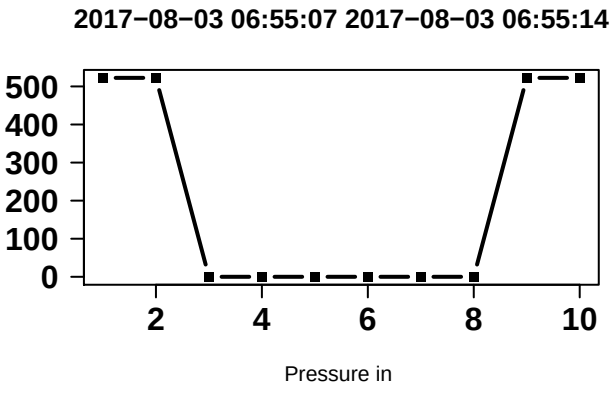
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−03 06:55:07 2017−08−03 06:55:14
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400
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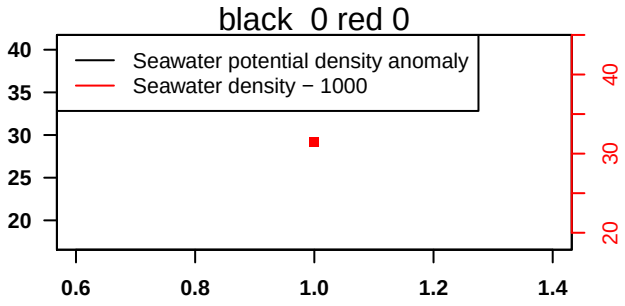
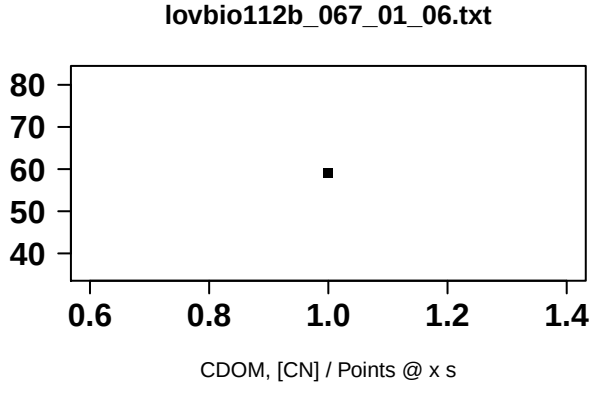
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_067_01_06.txt
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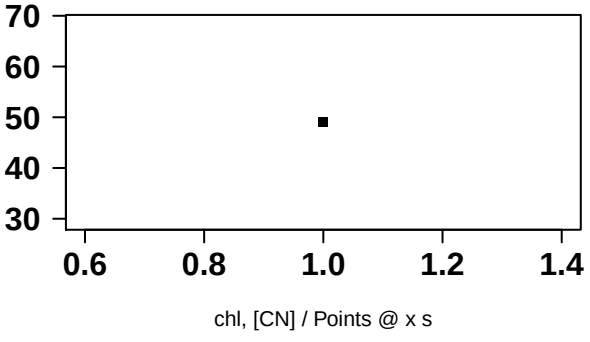
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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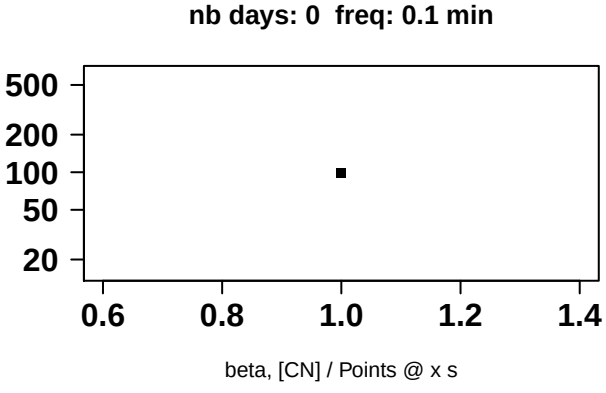
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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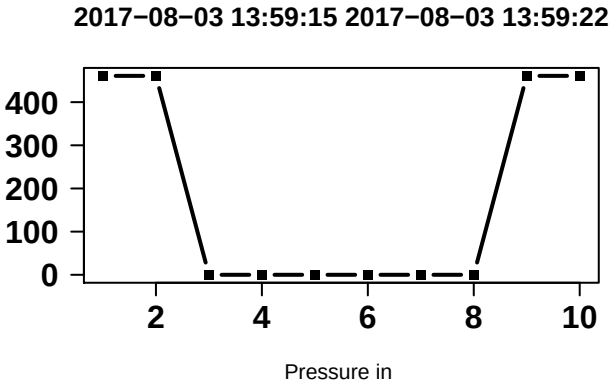
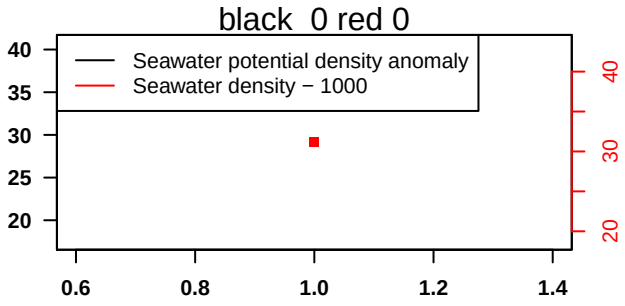
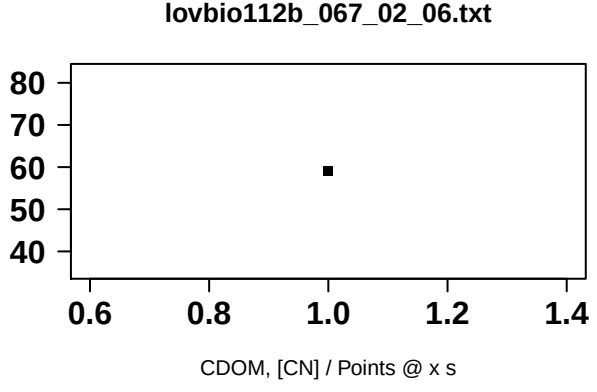
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−03 13:59:15 2017−08−03 13:59:22
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_067_02_06.txt
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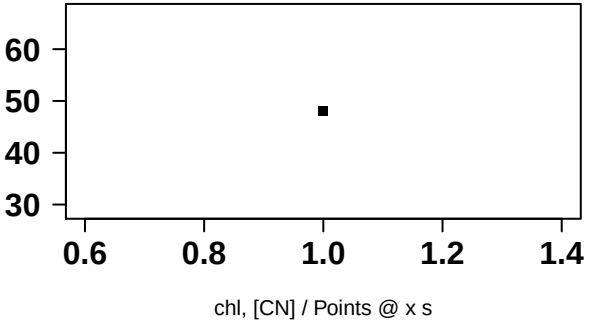
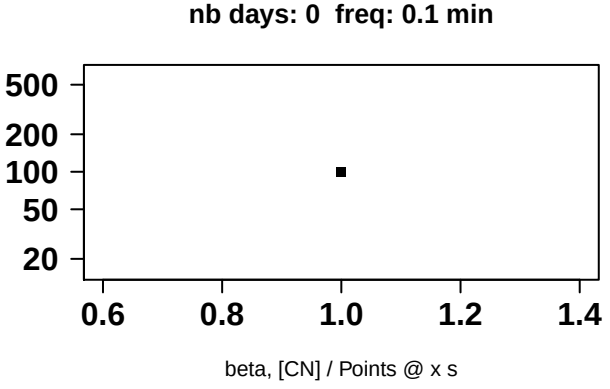
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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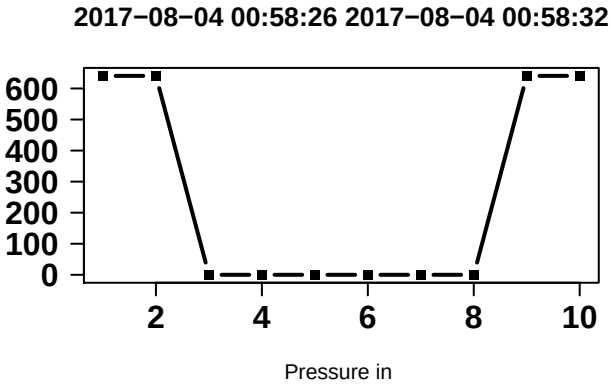
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−04 00:58:26 2017−08−04 00:58:32
600
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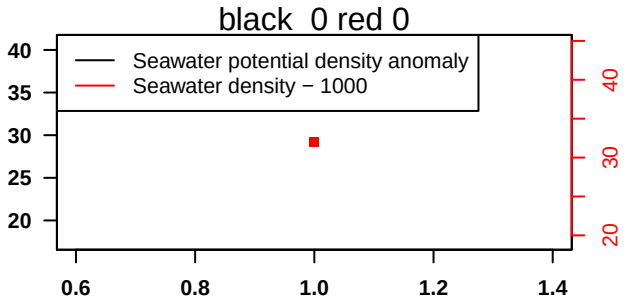
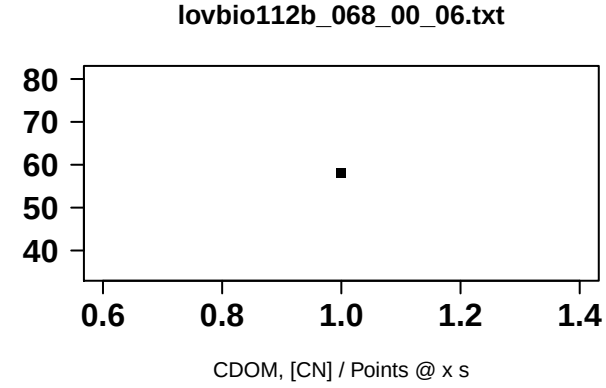
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_068_00_06.txt
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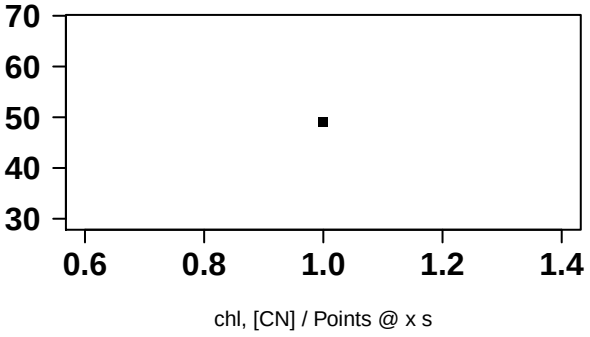
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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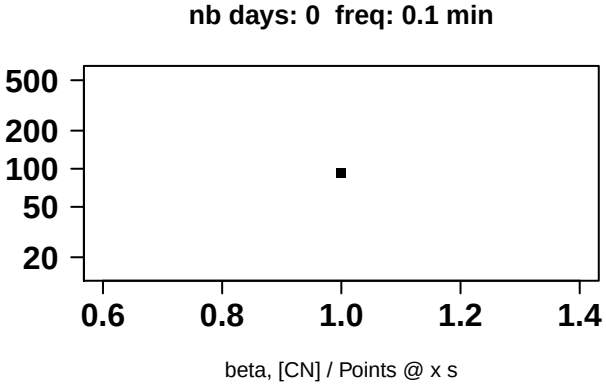
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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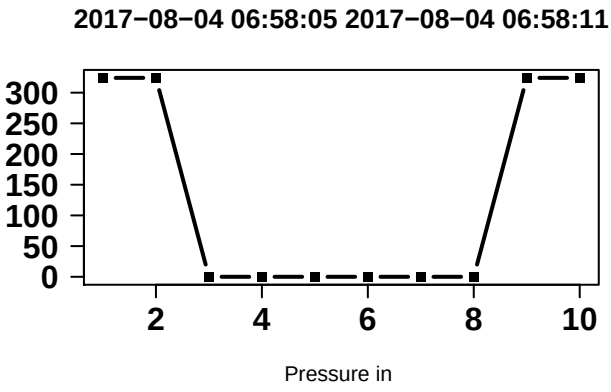
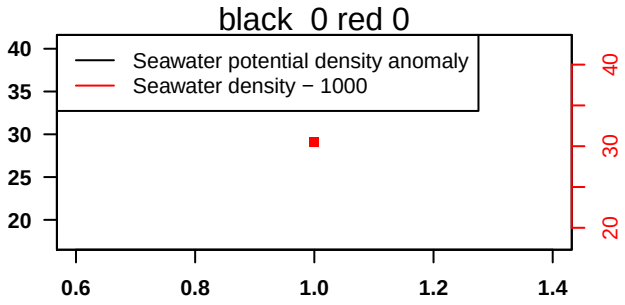
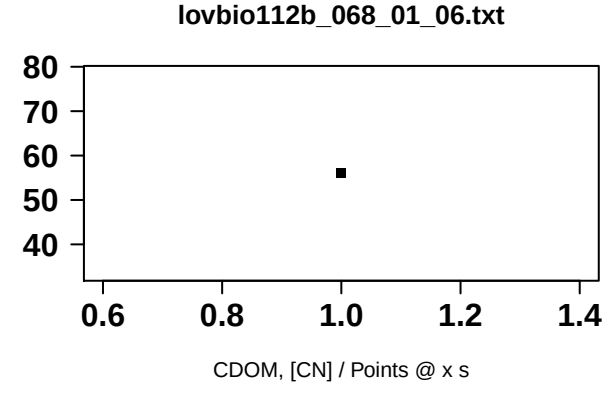
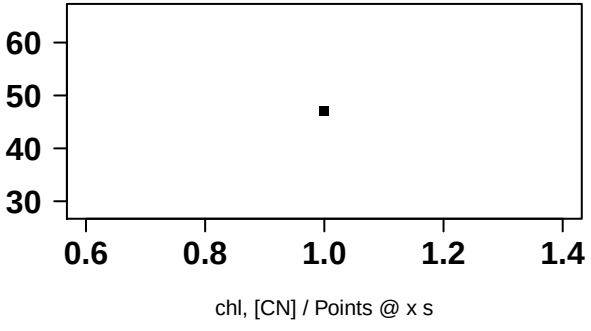
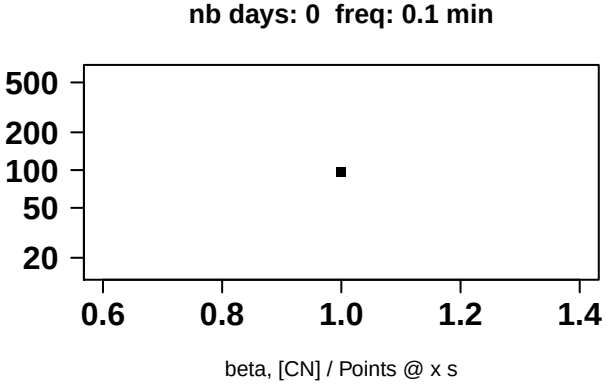
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−04 06:58:05 2017−08−04 06:58:11
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_068_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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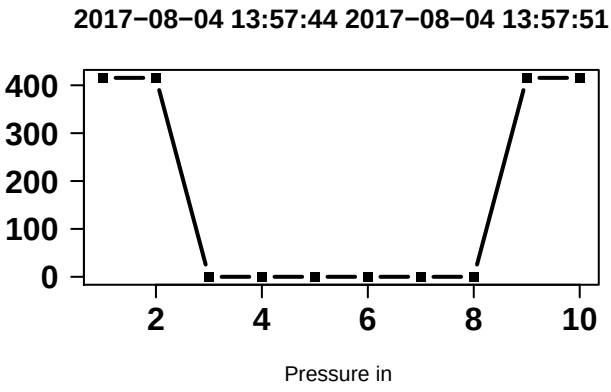
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−04 13:57:44 2017−08−04 13:57:51
400
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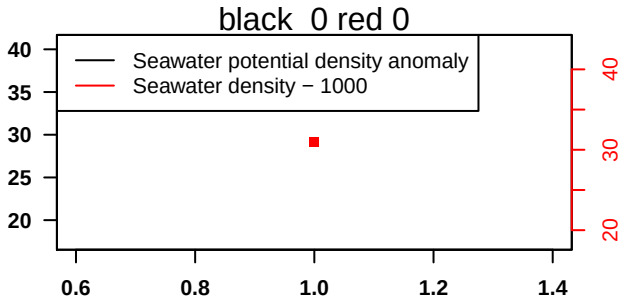
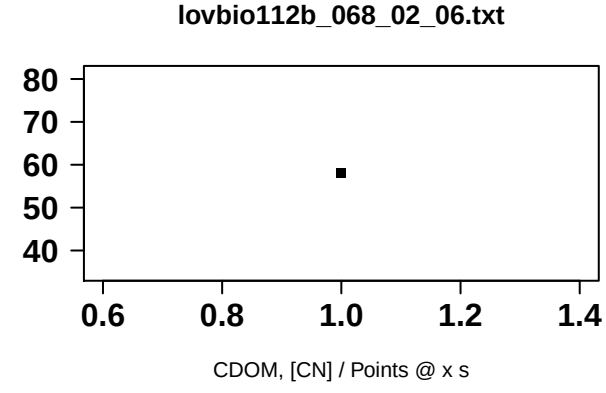
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_068_02_06.txt
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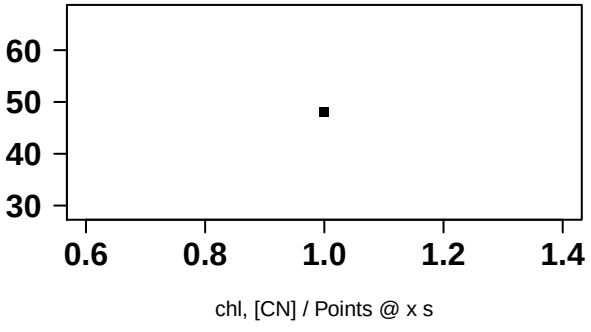
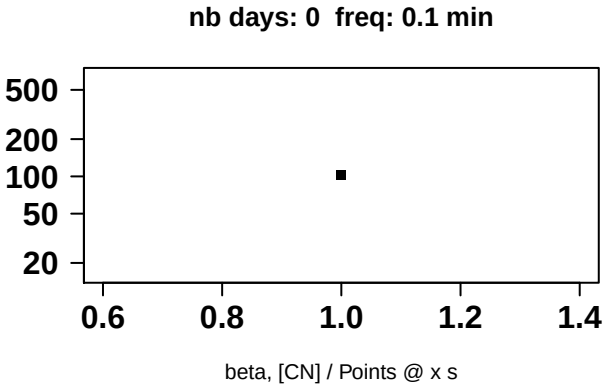
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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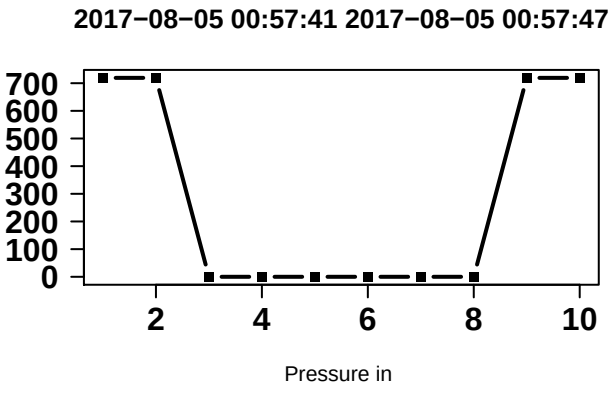
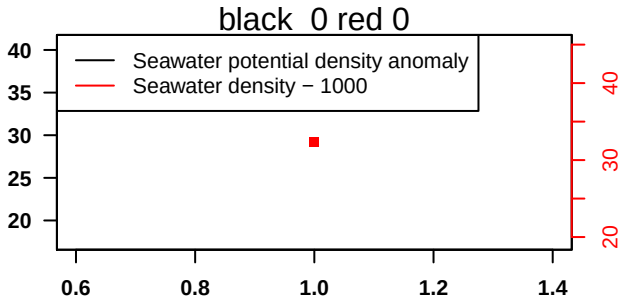
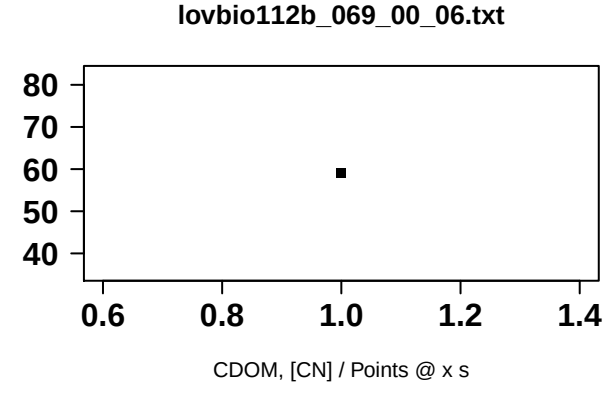
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−05 00:57:41 2017−08−05 00:57:47
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_069_00_06.txt
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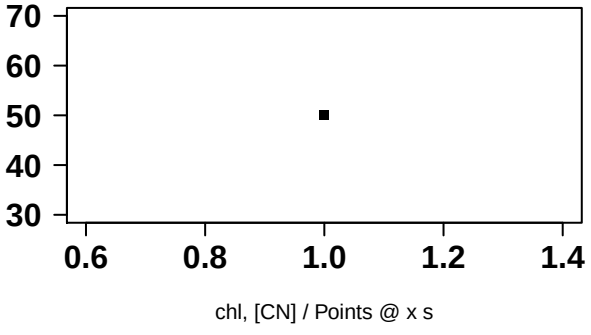
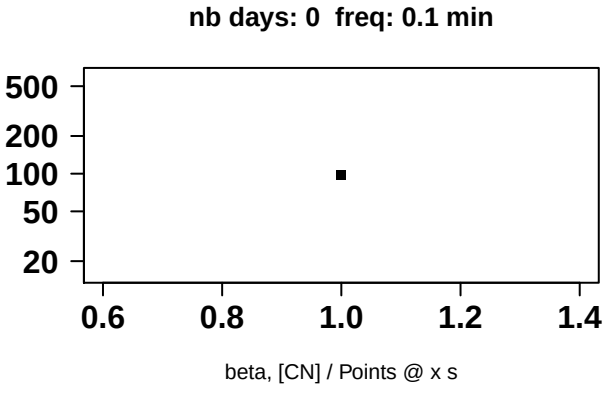
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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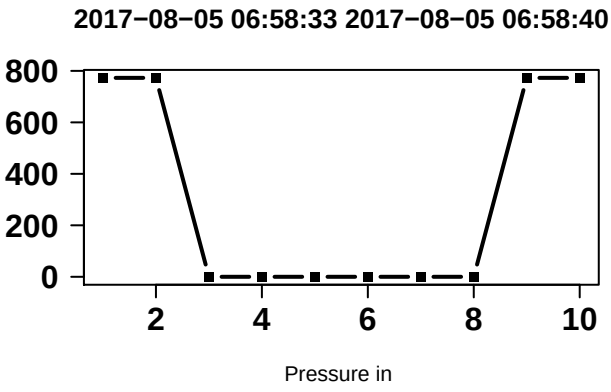
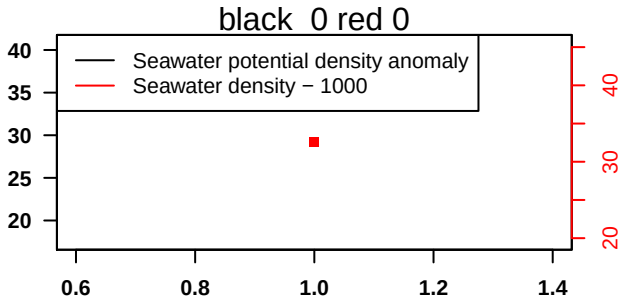
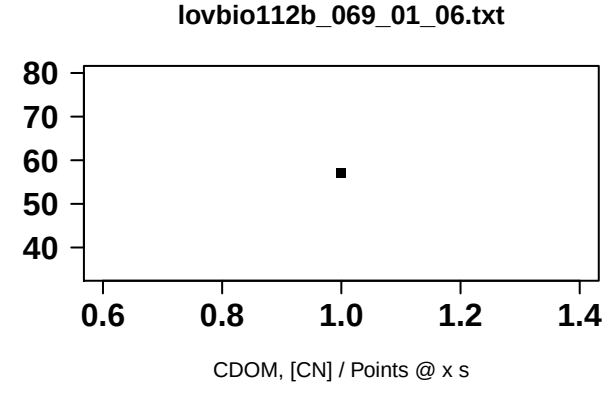
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−05 06:58:33 2017−08−05 06:58:40
800
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_069_01_06.txt
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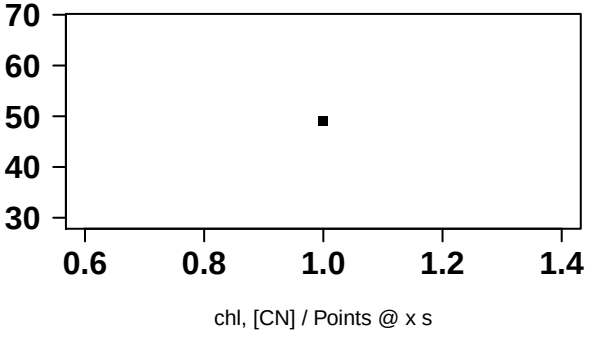
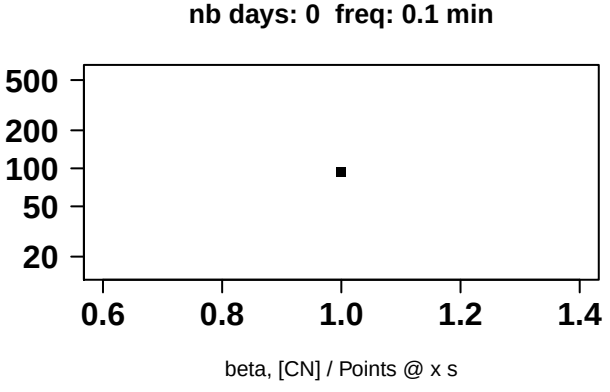
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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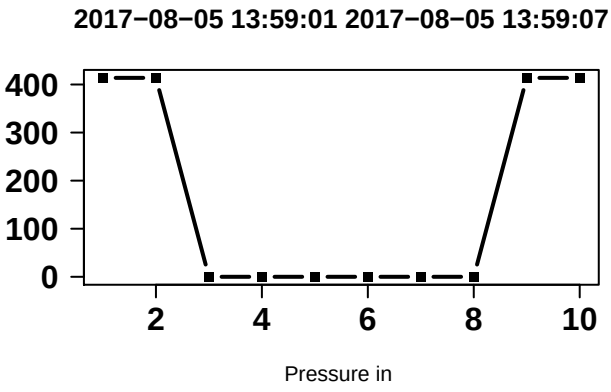
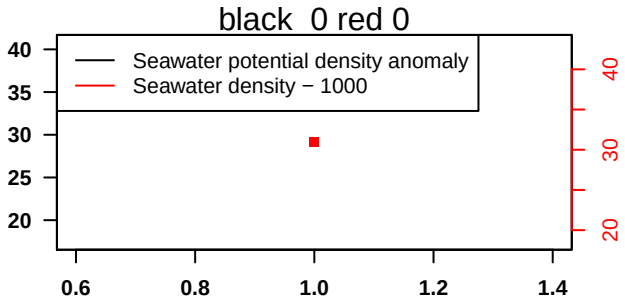
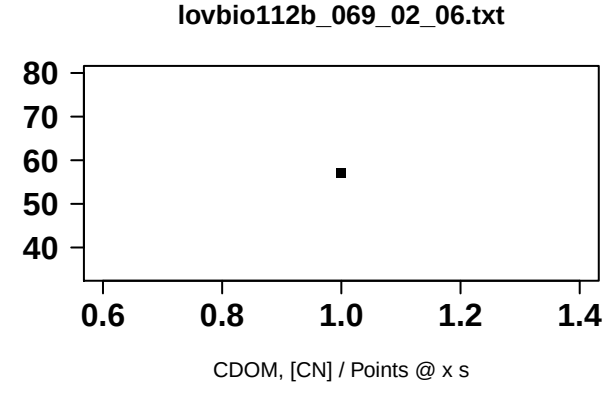
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−05 13:59:01 2017−08−05 13:59:07
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_069_02_06.txt
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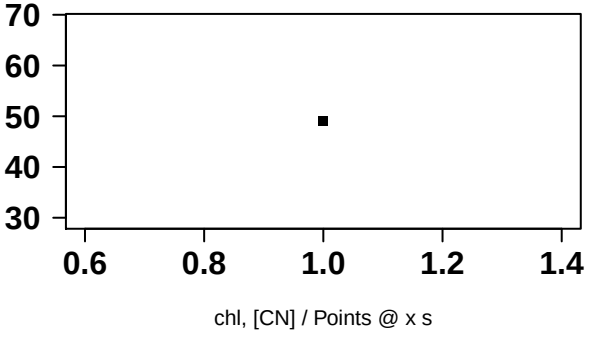
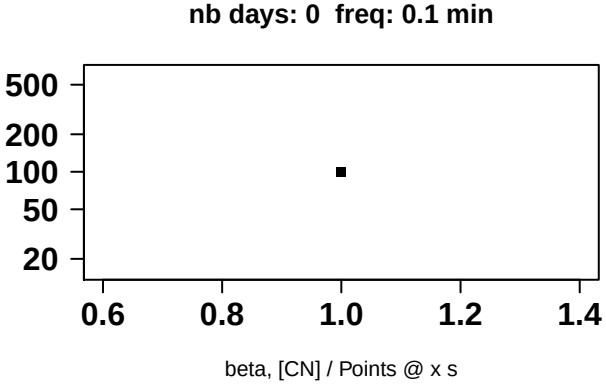
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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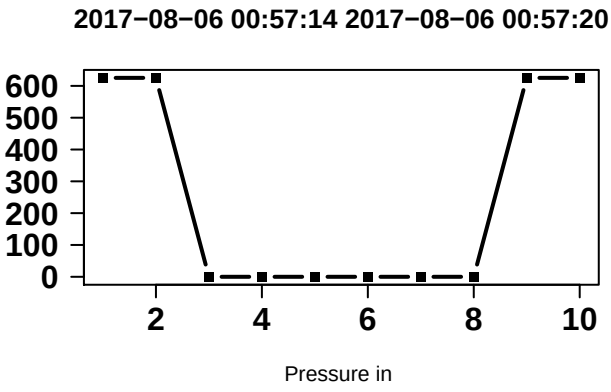
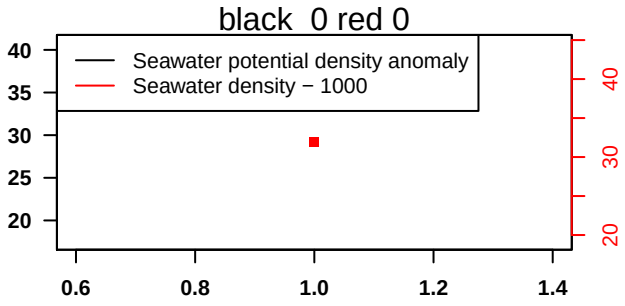
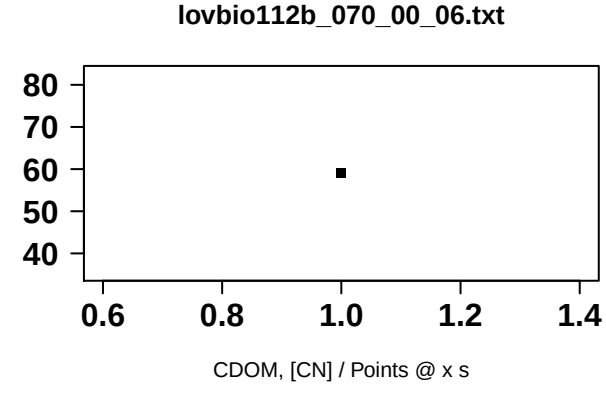
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−06 00:57:14 2017−08−06 00:57:20
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_070_00_06.txt
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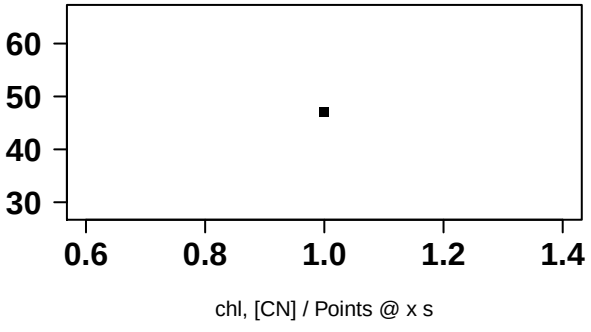
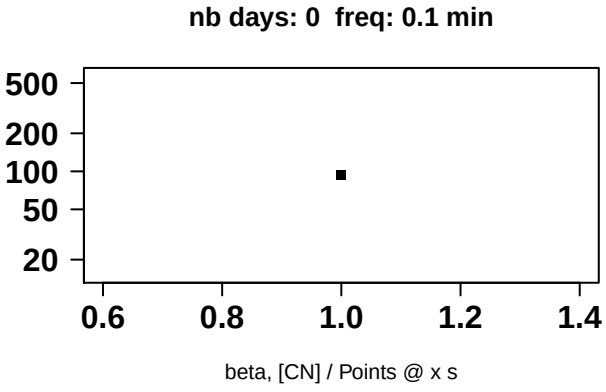
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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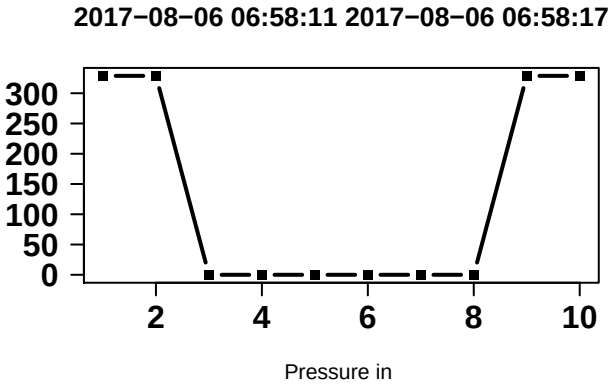
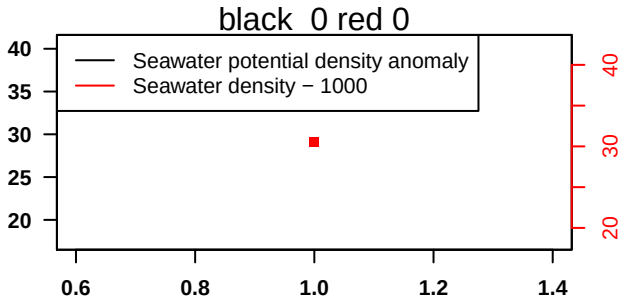
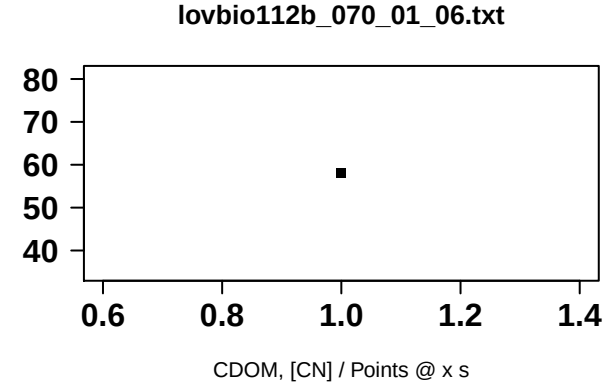
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−06 06:58:11 2017−08−06 06:58:17
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_070_01_06.txt
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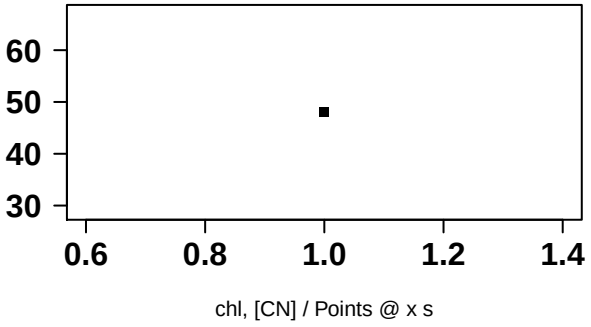
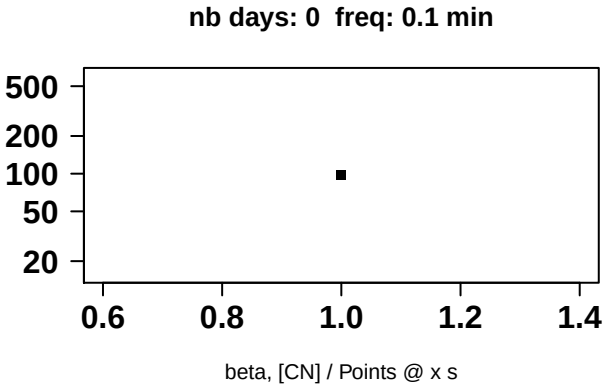
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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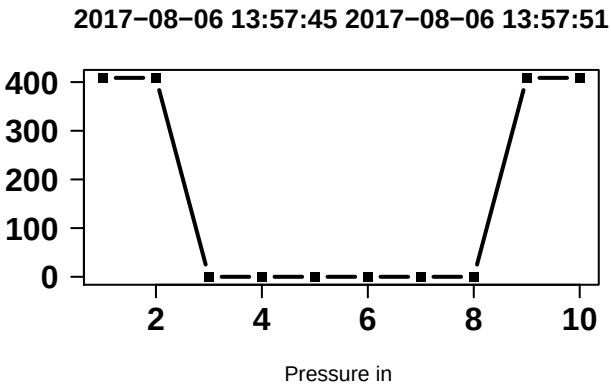
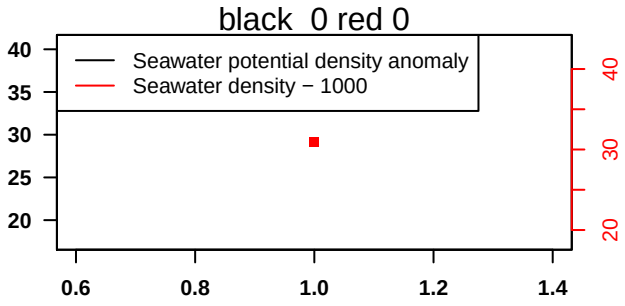
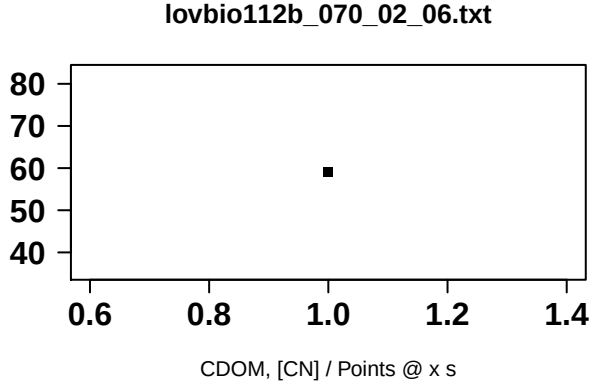
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−06 13:57:45 2017−08−06 13:57:51
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_070_02_06.txt
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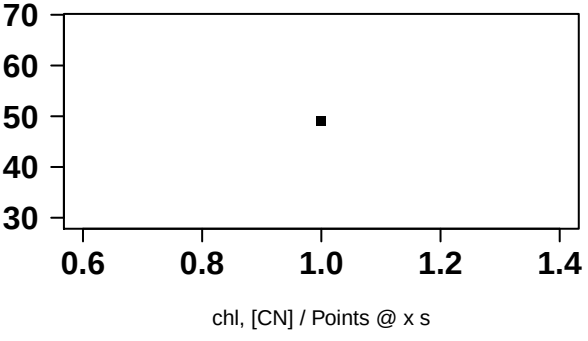
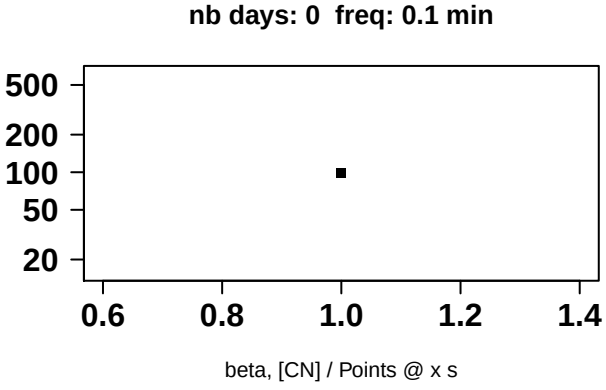
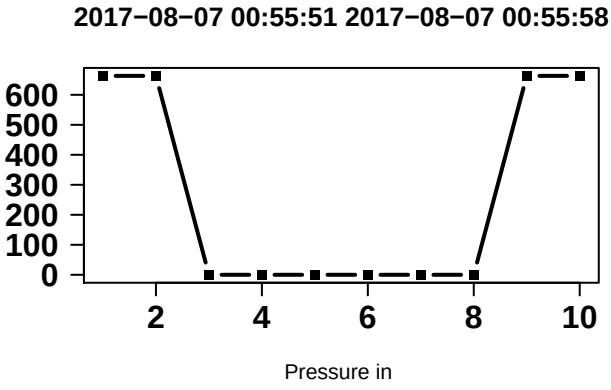
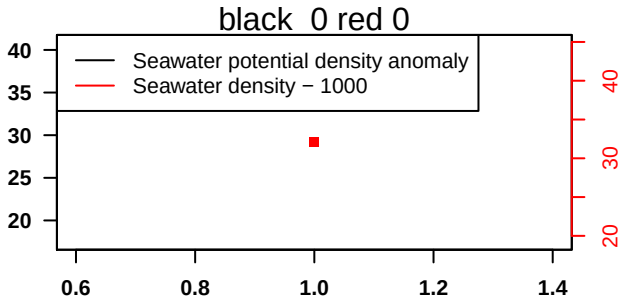
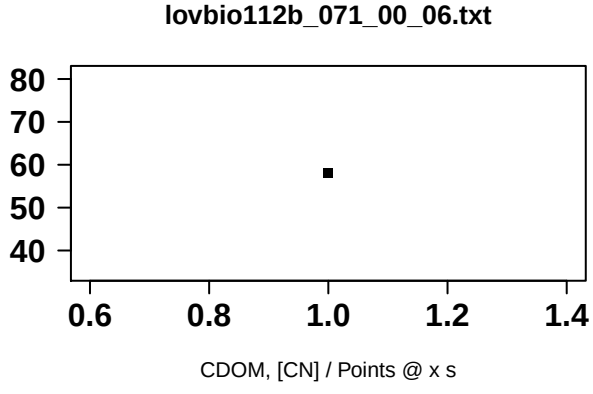
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

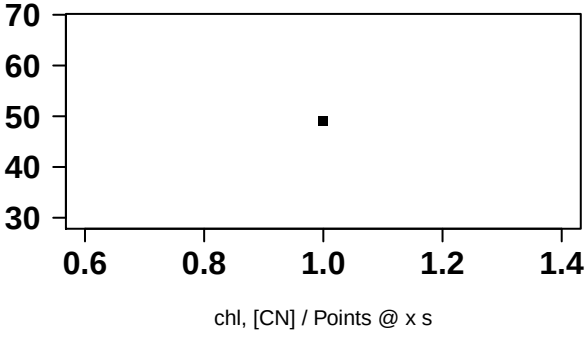

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−08−07 00:55:51 2017−08−07 00:55:58
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_071_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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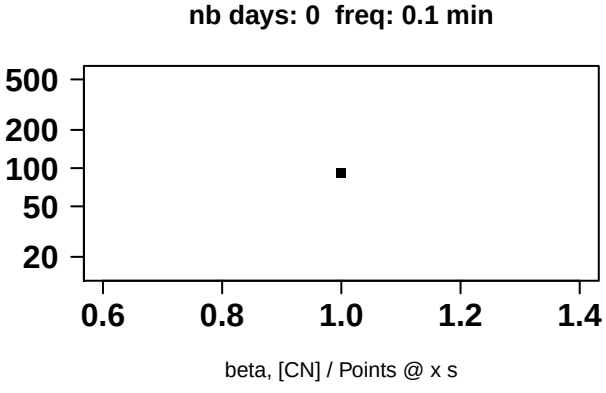
1.2
1.4
chl, [CN] / Points @ x s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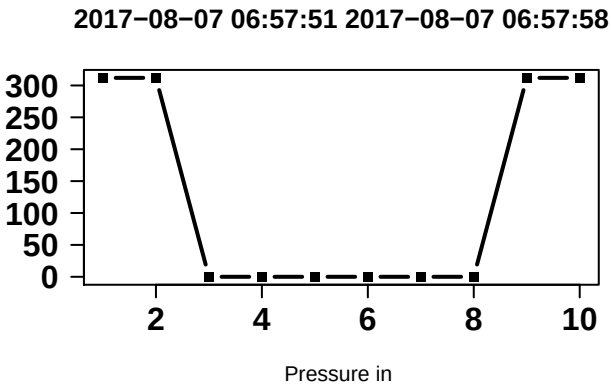
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−07 06:57:51 2017−08−07 06:57:58
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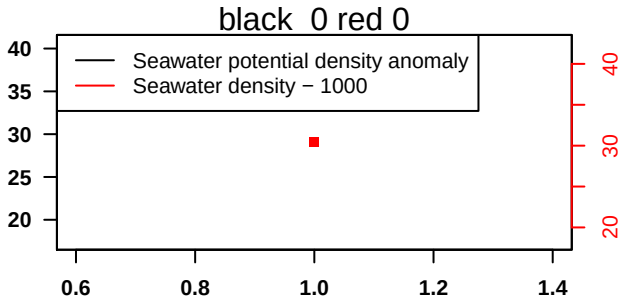
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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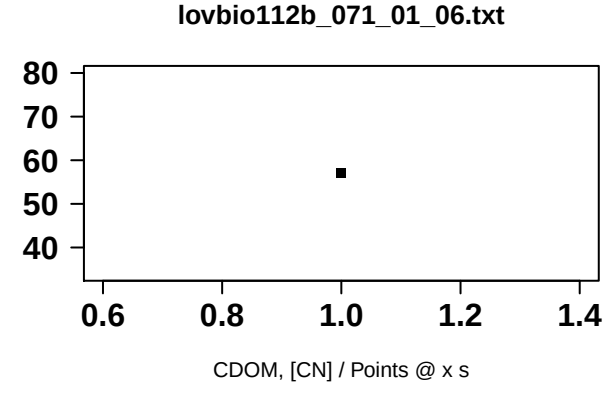
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_071_01_06.txt
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0.8
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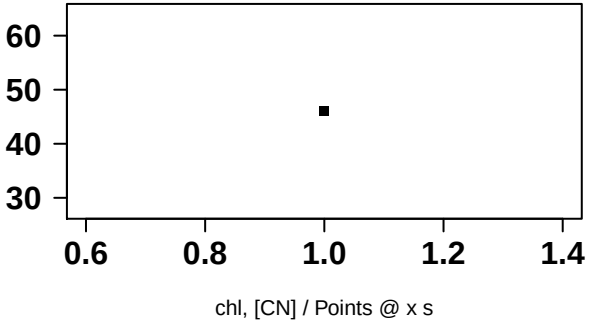
1.2
1.4
CDOM, [CN] / Points @ x s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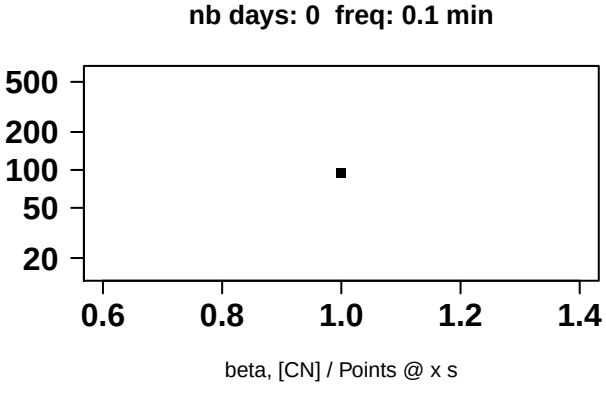
1.2
1.4
chl, [CN] / Points @ x s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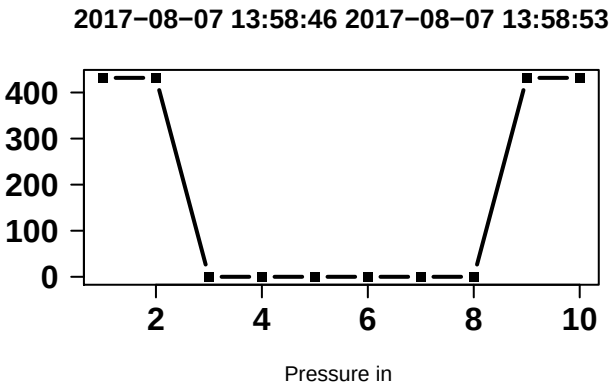
1.2
1.4
beta, [CN] / Points @ x s


2017−08−07 13:58:46 2017−08−07 13:58:53
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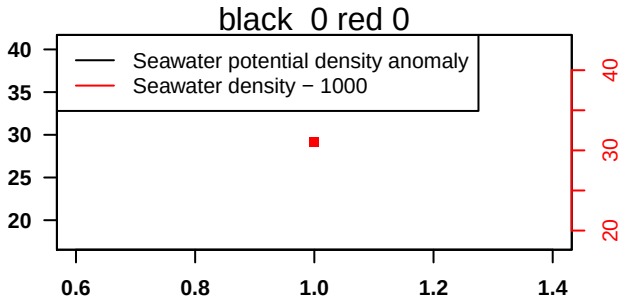
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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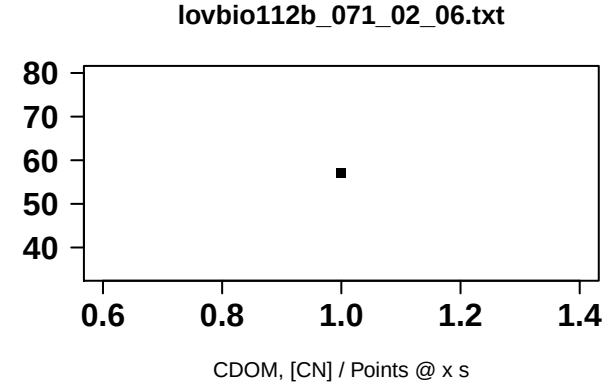
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_071_02_06.txt
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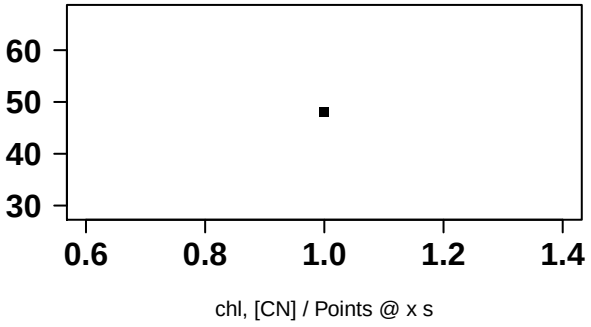
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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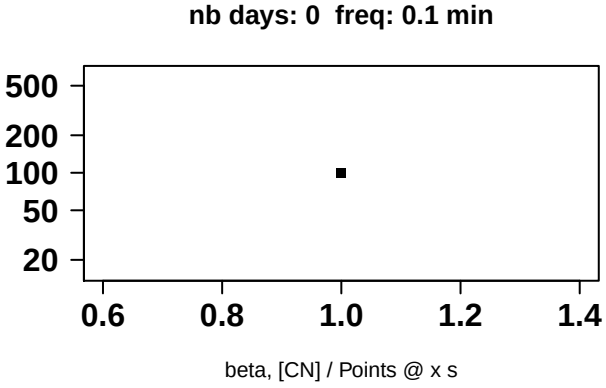
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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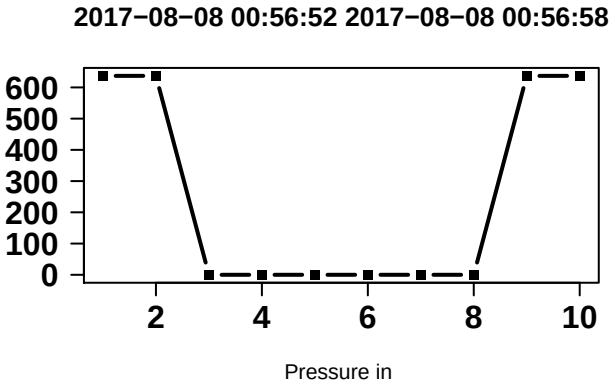
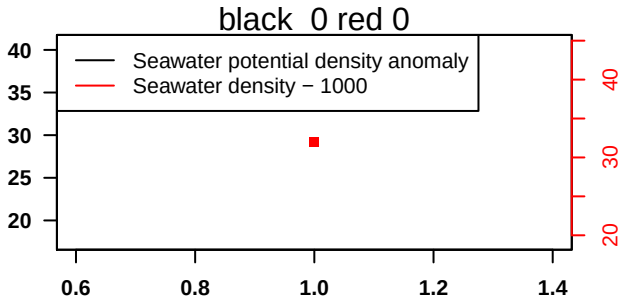
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−08 00:56:52 2017−08−08 00:56:58
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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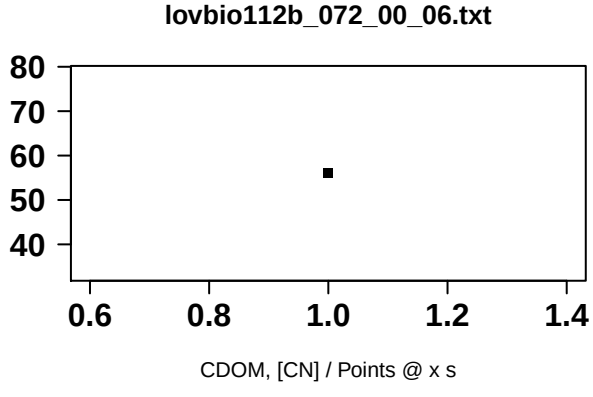
40
30
20


lovbio112b_072_00_06.txt
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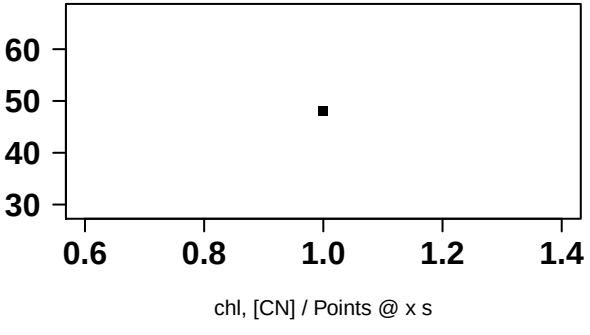
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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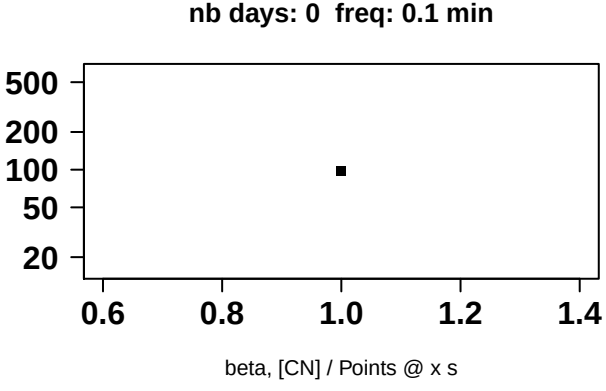
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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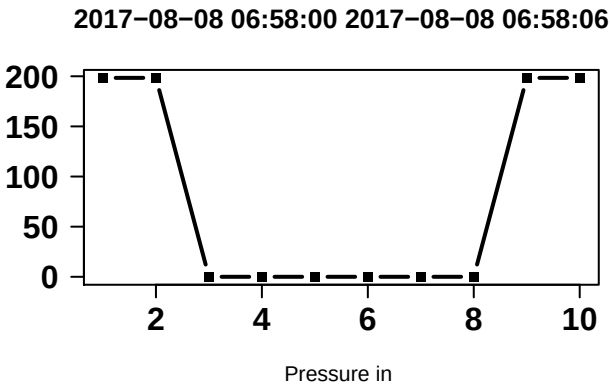
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−08 06:58:00 2017−08−08 06:58:06
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0
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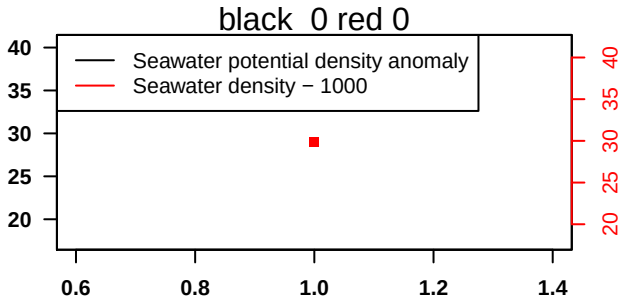
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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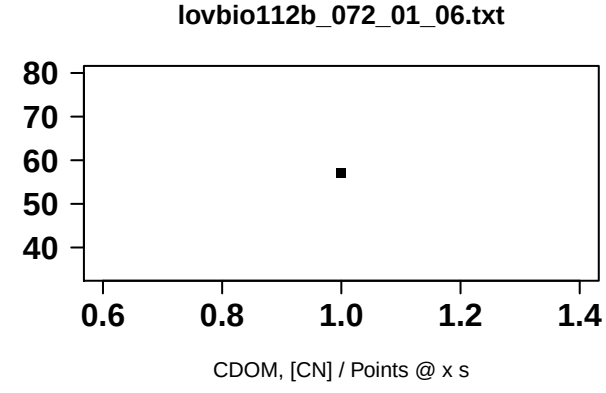
25
20
0.6
0.8
1.0
1.2
1.4


lovbio112b_072_01_06.txt
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0.6
0.8
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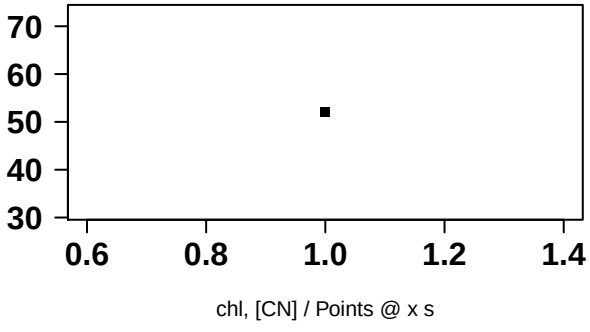
1.2
1.4
CDOM, [CN] / Points @ x s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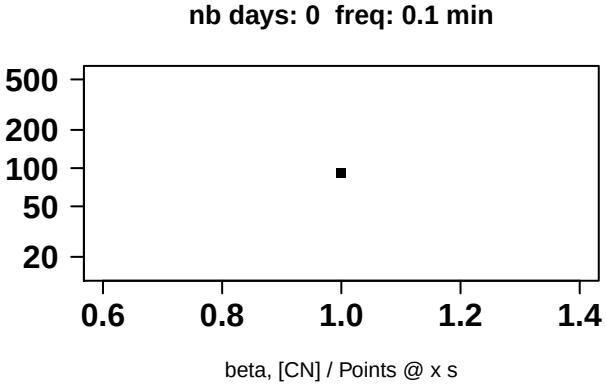
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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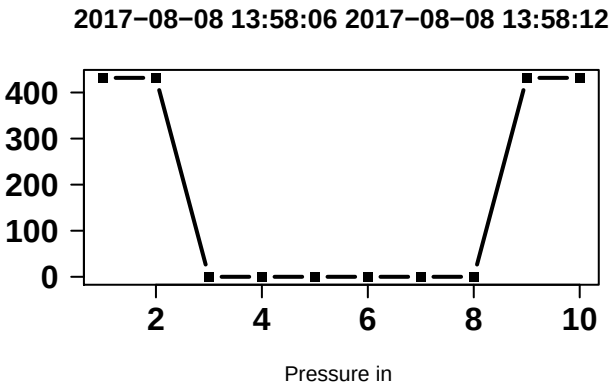
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−08 13:58:06 2017−08−08 13:58:12
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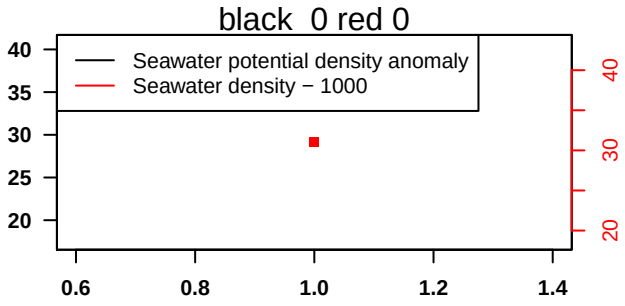
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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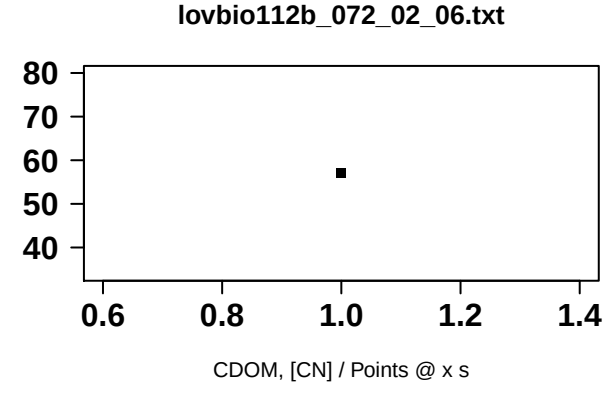
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_072_02_06.txt
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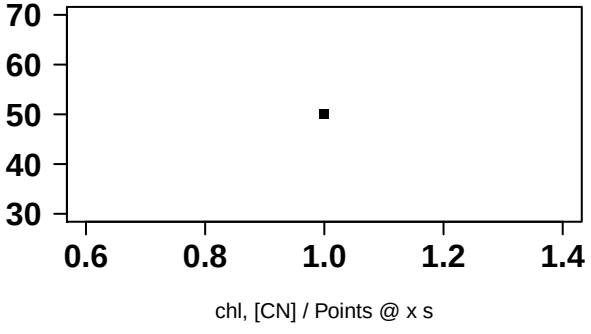
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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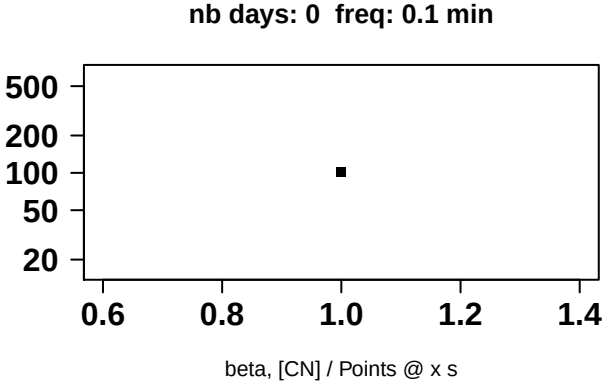
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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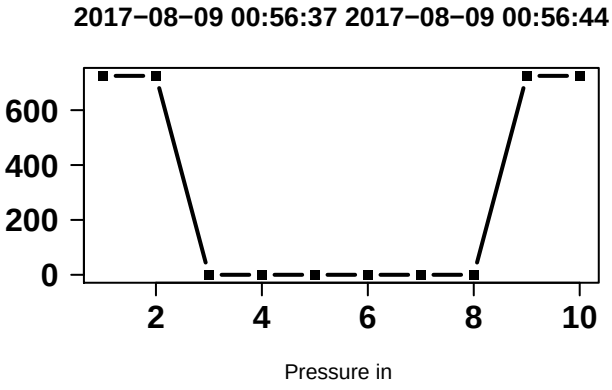
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−09 00:56:37 2017−08−09 00:56:44
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2
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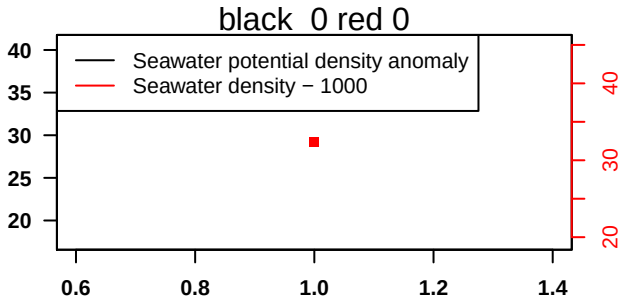
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
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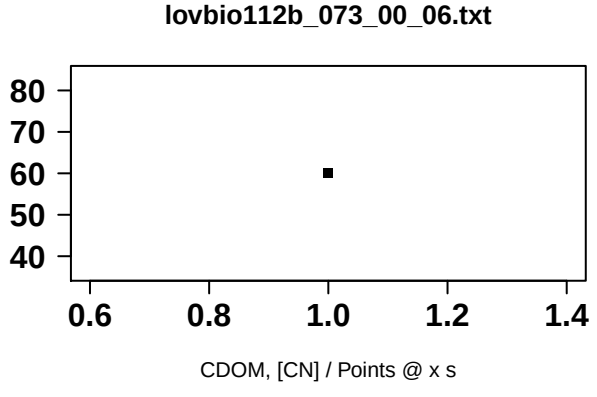
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_073_00_06.txt
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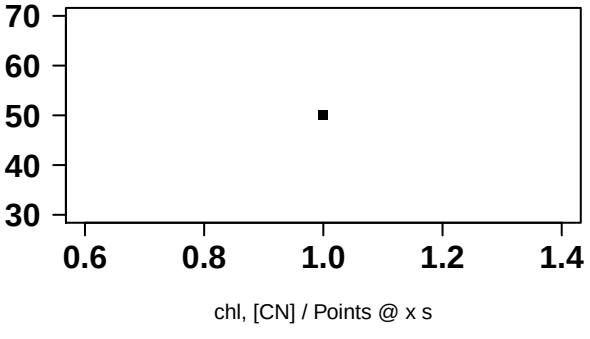
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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40
30
0.6
0.8
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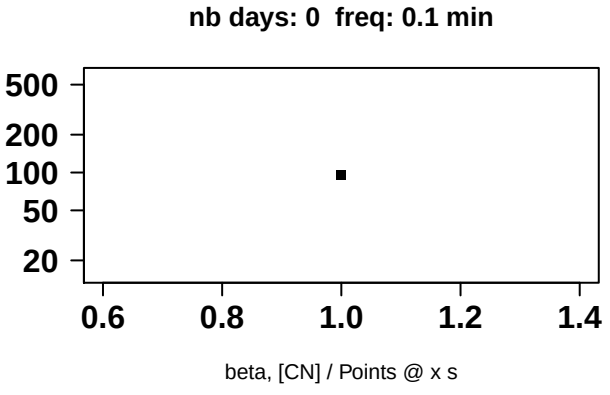
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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0.6
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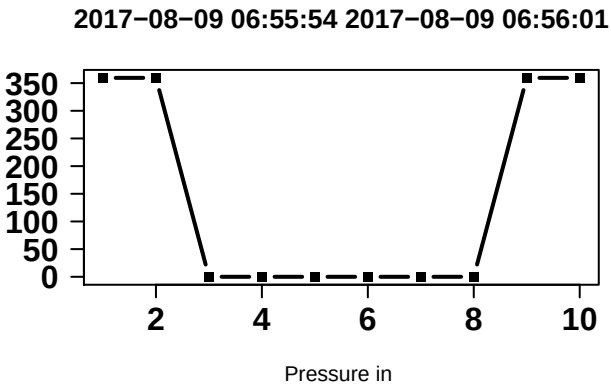
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−09 06:55:54 2017−08−09 06:56:01
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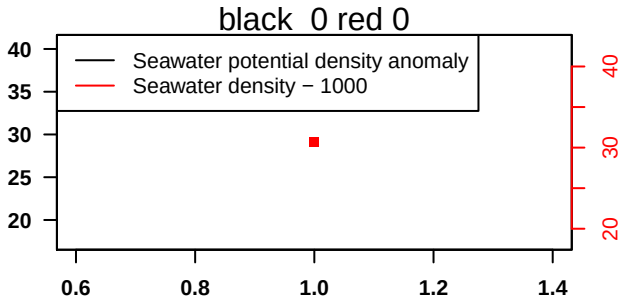
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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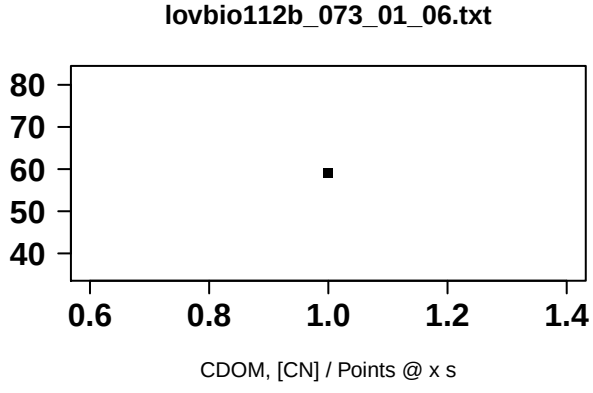
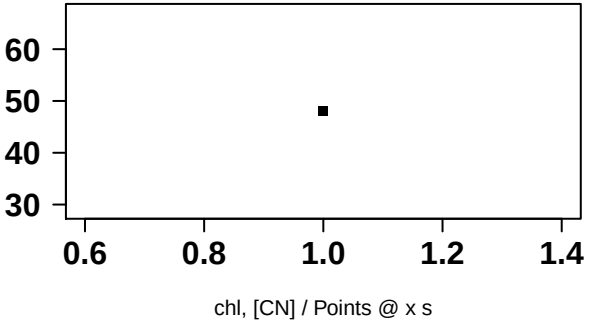
40
30
20


lovbio112b_073_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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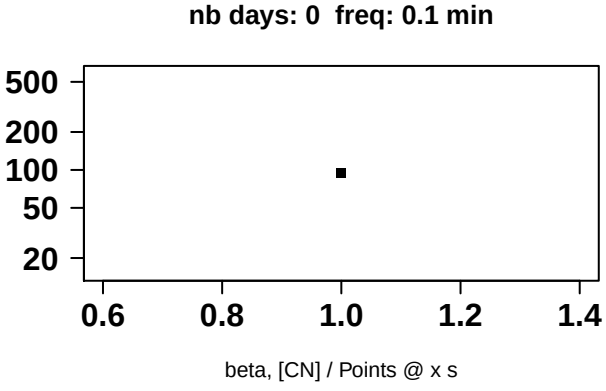
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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100
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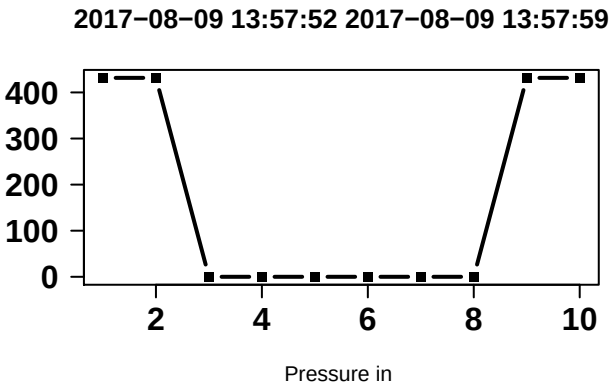
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−09 13:57:52 2017−08−09 13:57:59
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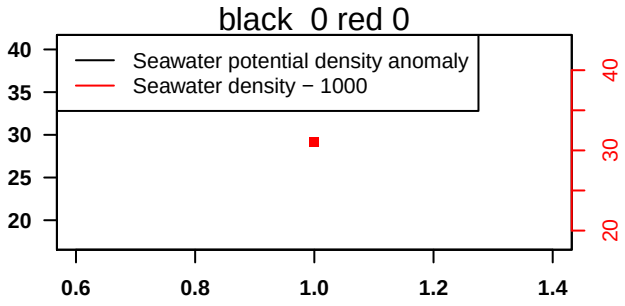
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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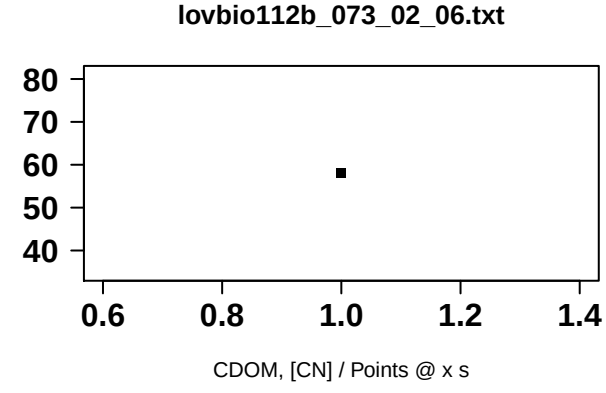
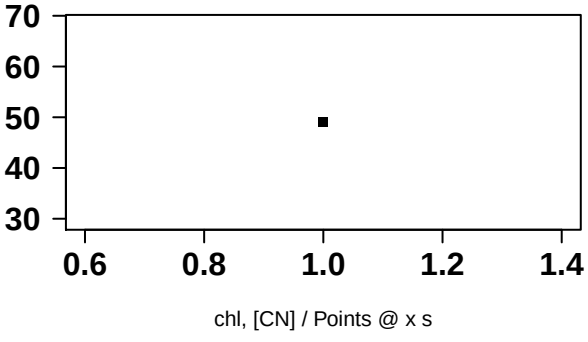
40
30
20


lovbio112b_073_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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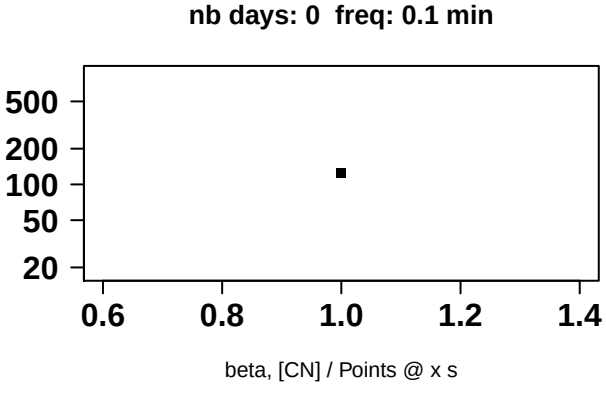
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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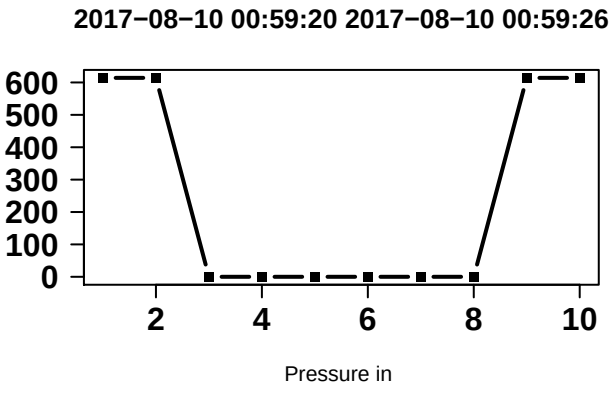
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−10 00:59:20 2017−08−10 00:59:26
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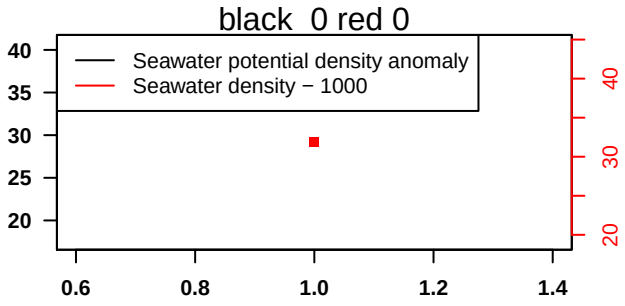
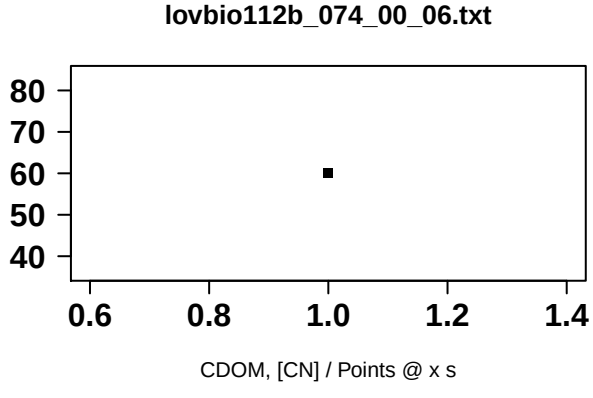
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_074_00_06.txt
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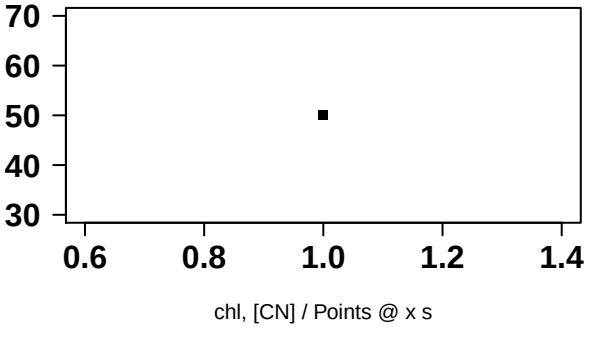
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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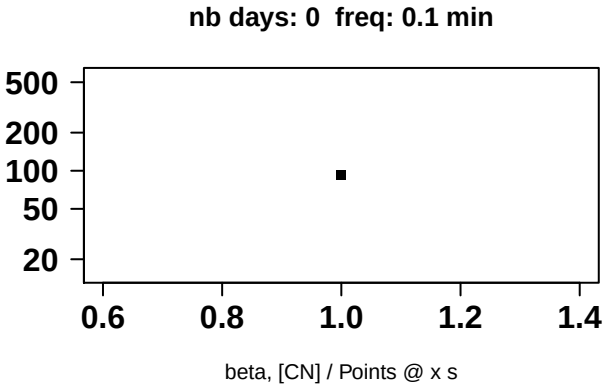
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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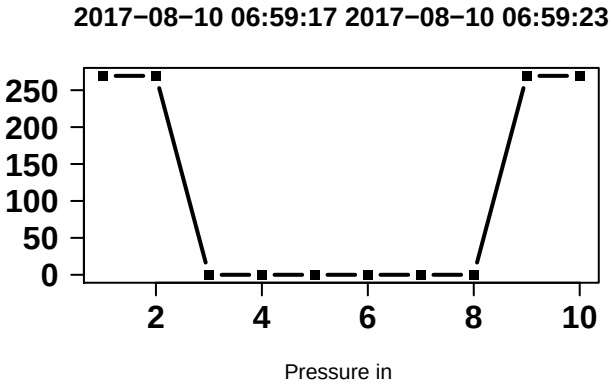
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−10 06:59:17 2017−08−10 06:59:23
250
200
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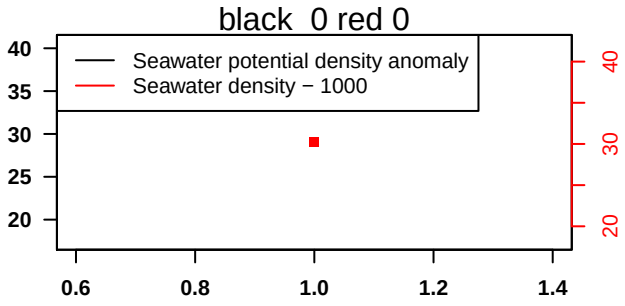
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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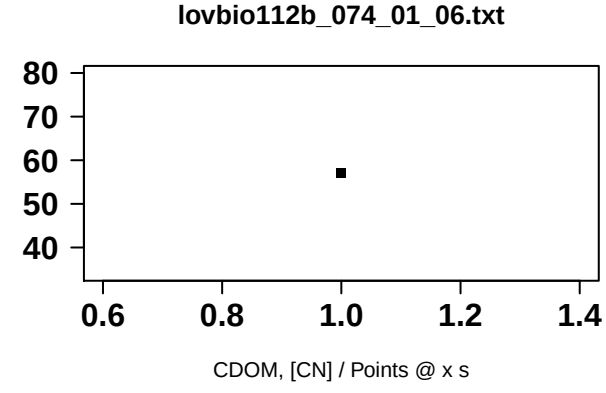
40
30
20


lovbio112b_074_01_06.txt
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70
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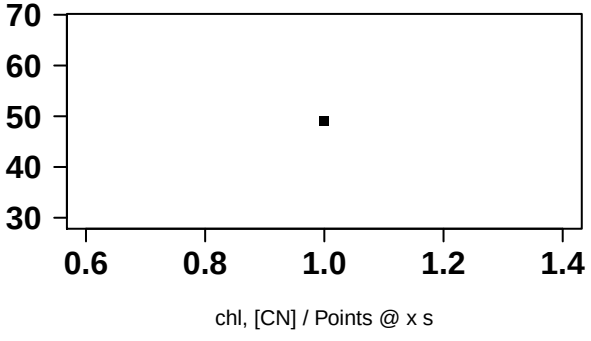
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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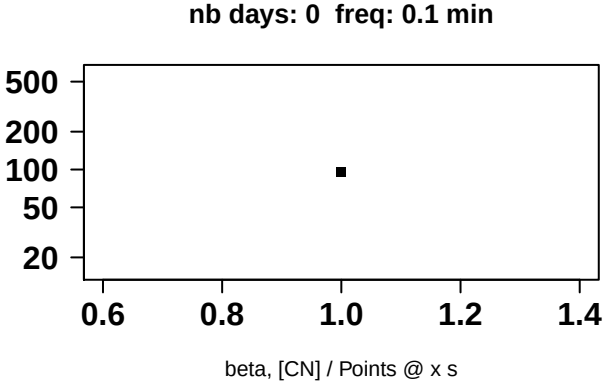
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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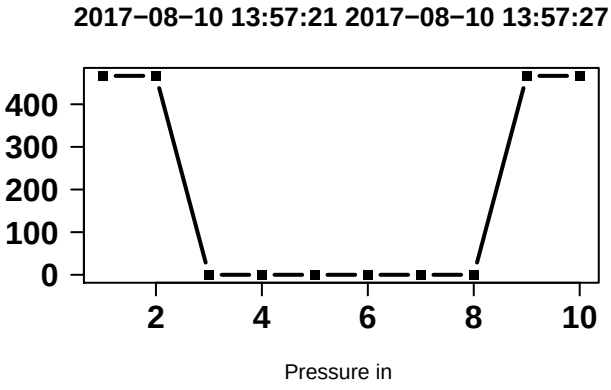
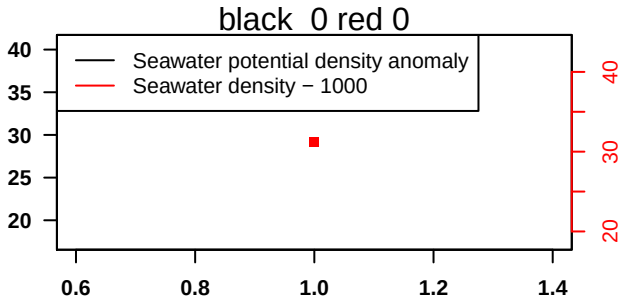
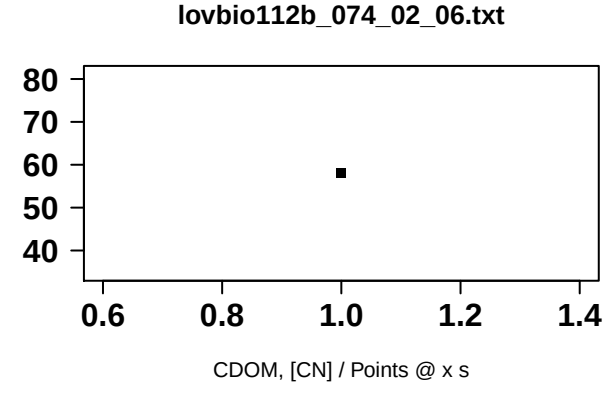
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−10 13:57:21 2017−08−10 13:57:27
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_074_02_06.txt
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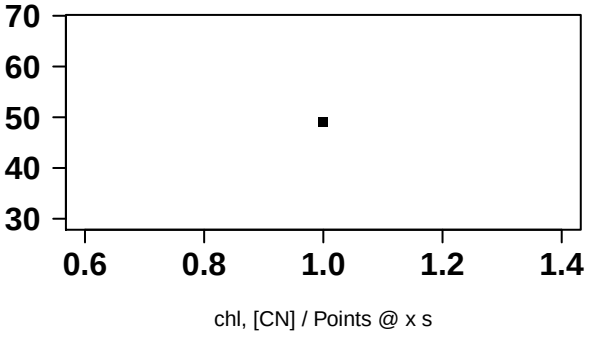
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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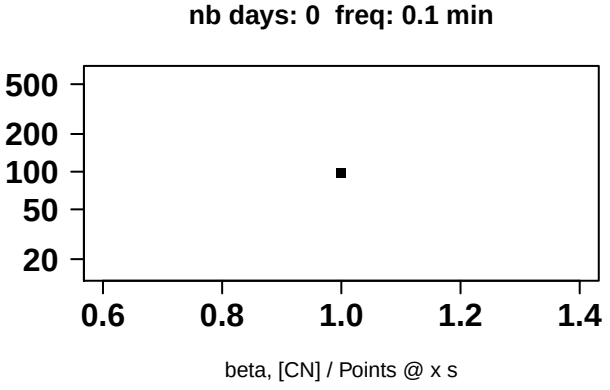
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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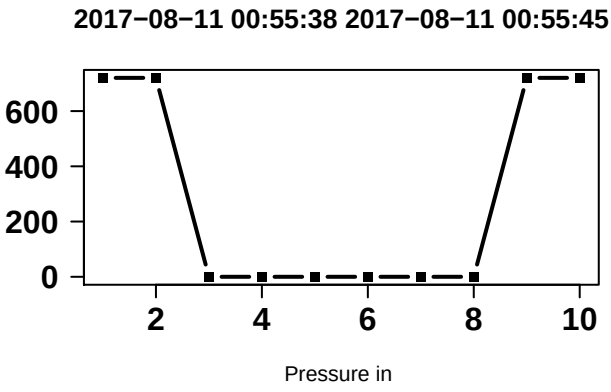
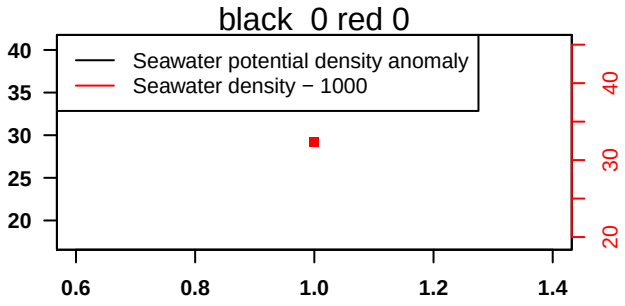
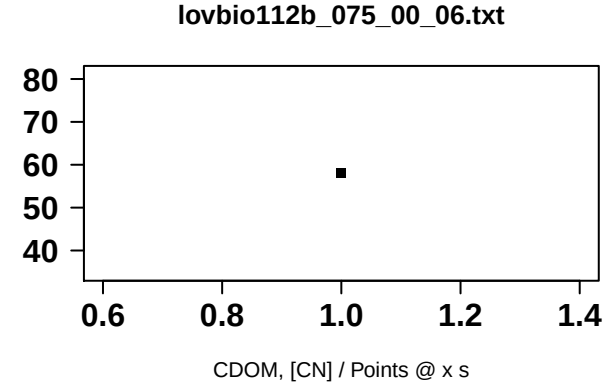
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−11 00:55:38 2017−08−11 00:55:45
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_075_00_06.txt
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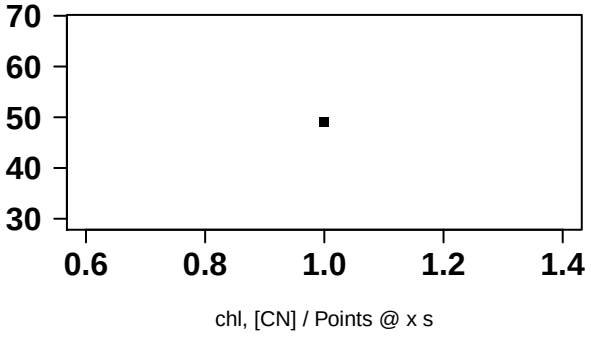
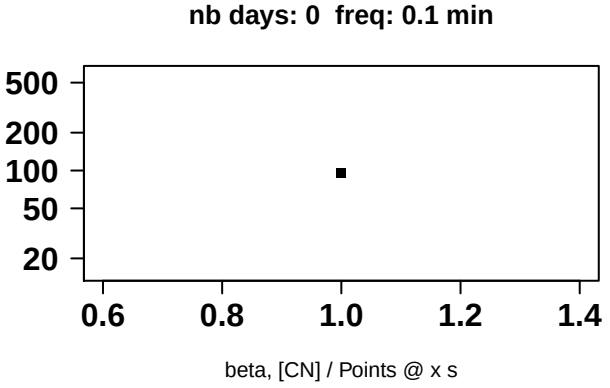
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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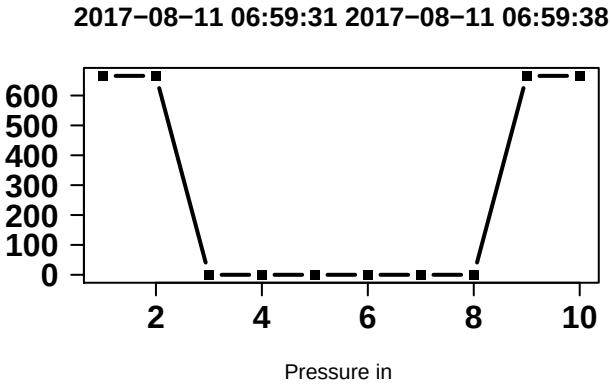
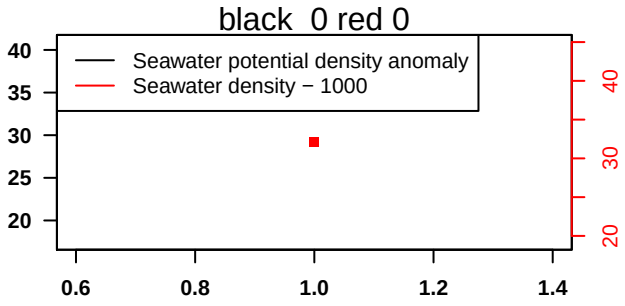
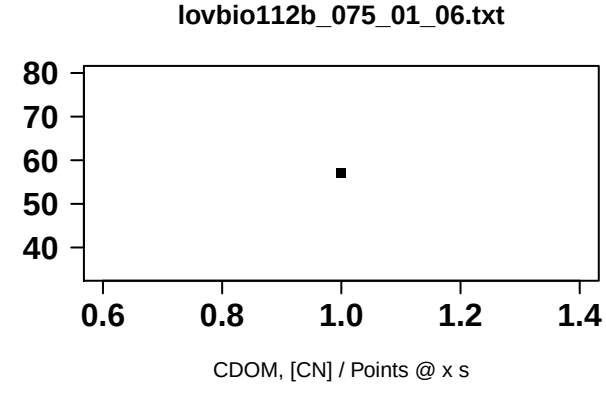
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−11 06:59:31 2017−08−11 06:59:38
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_075_01_06.txt
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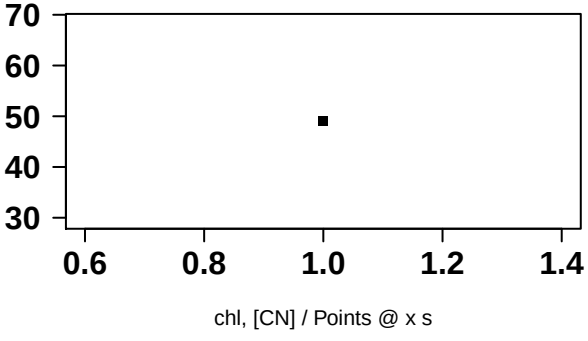
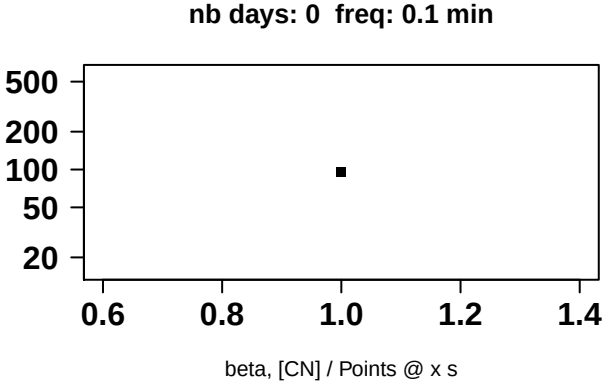
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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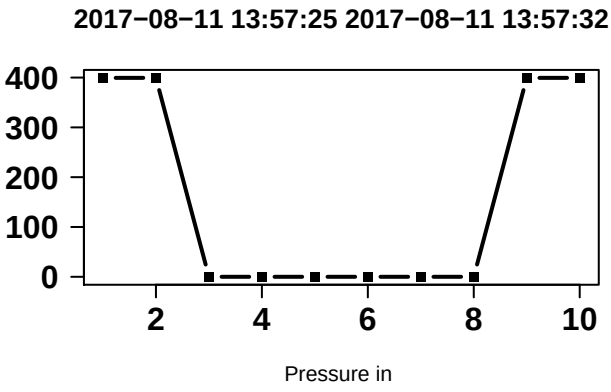
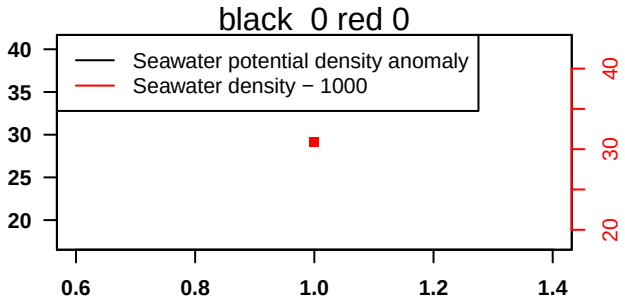
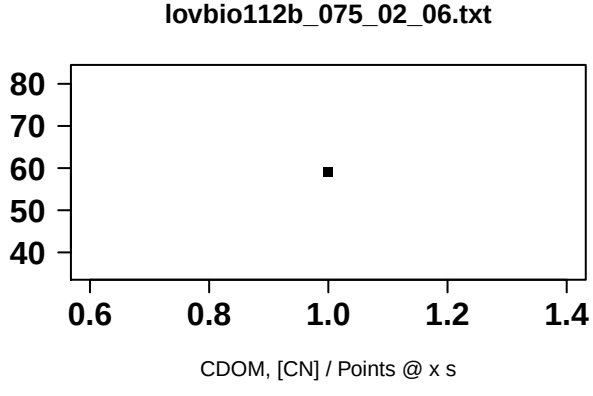
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−11 13:57:25 2017−08−11 13:57:32
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_075_02_06.txt
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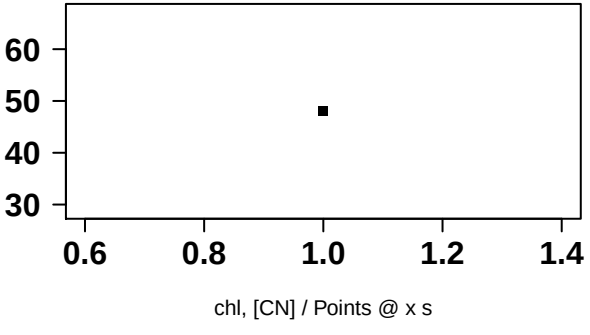
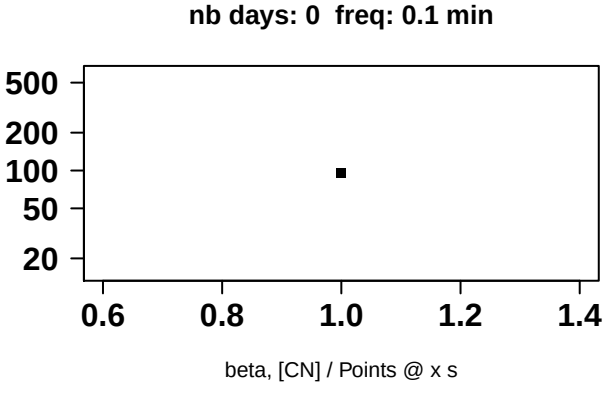
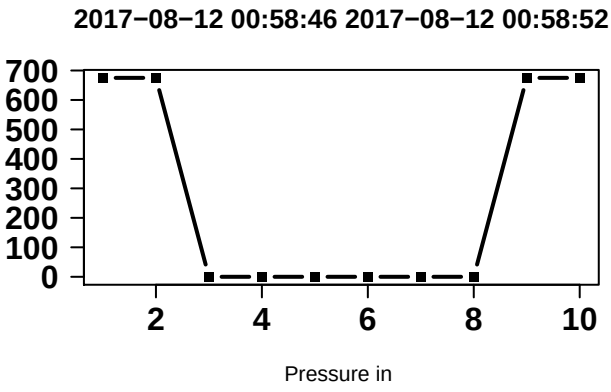
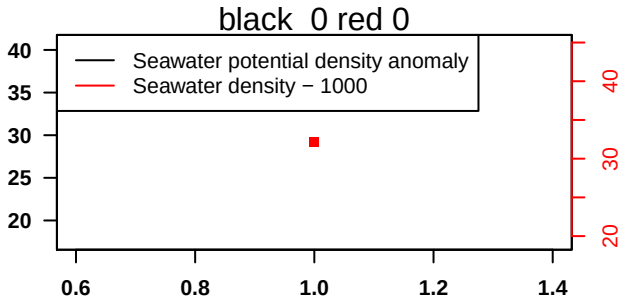
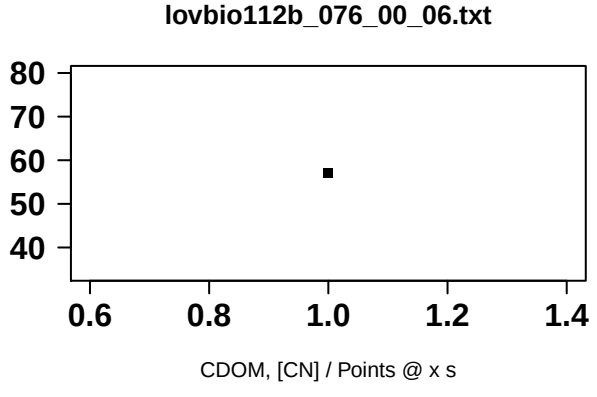
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−08−12 00:58:46 2017−08−12 00:58:52
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_076_00_06.txt
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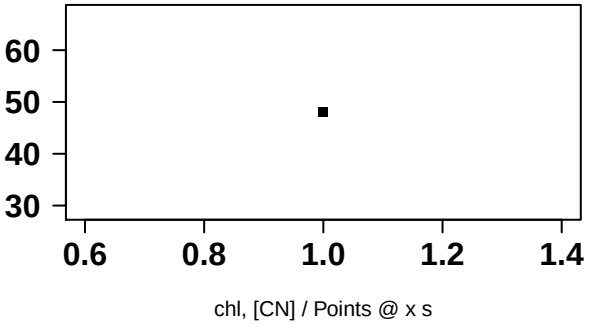
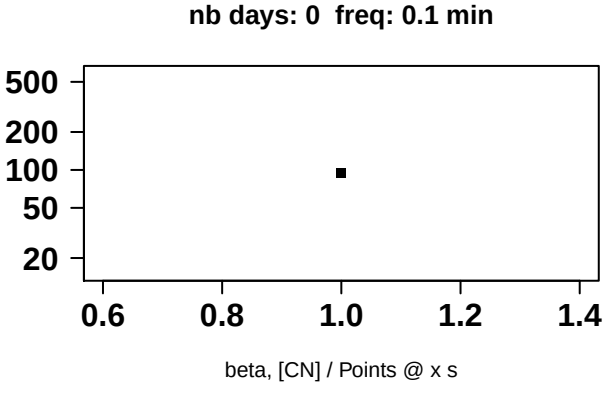
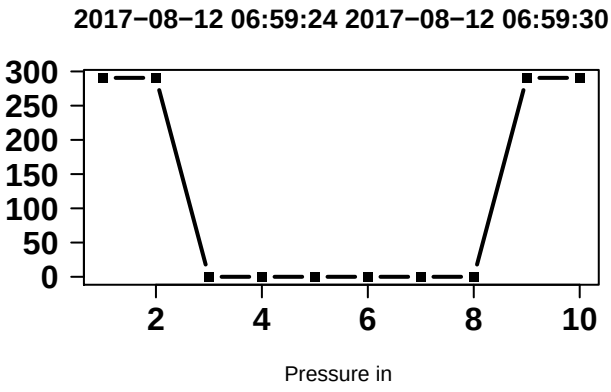
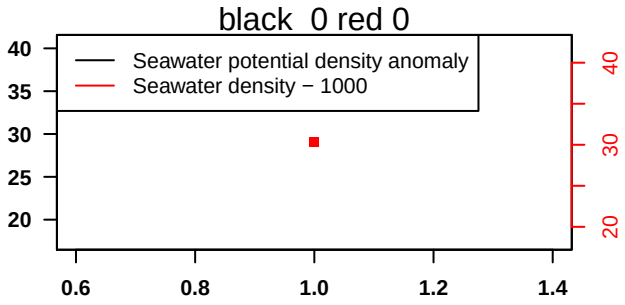
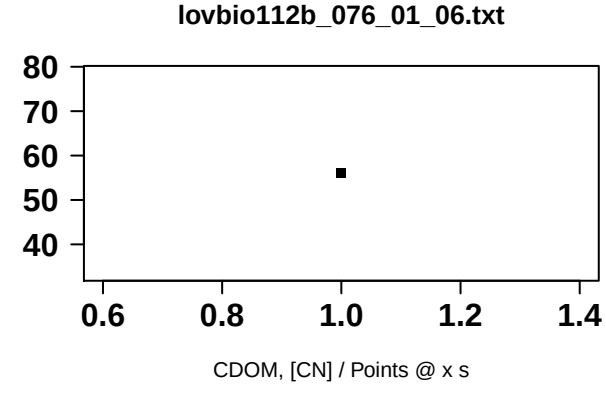
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

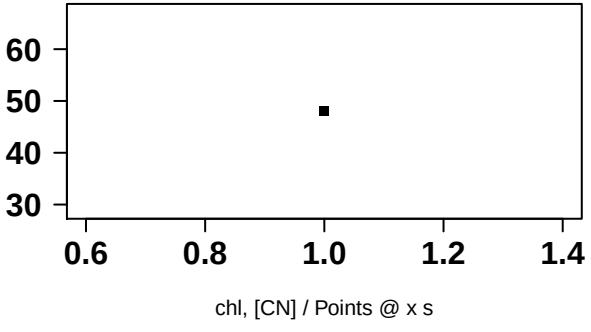

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

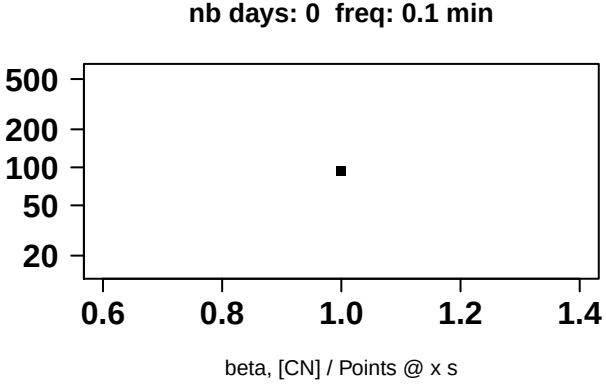

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−12 06:59:24 2017−08−12 06:59:30
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_076_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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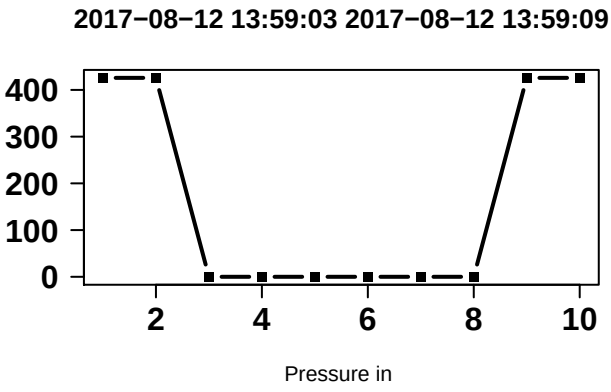
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−12 13:59:03 2017−08−12 13:59:09
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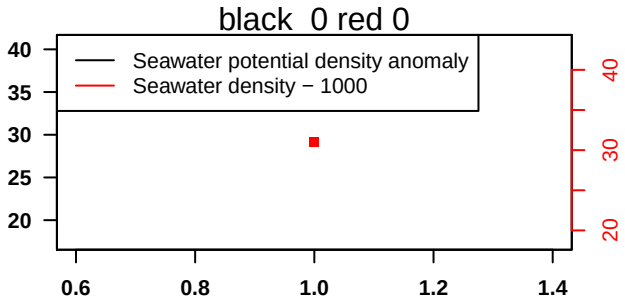
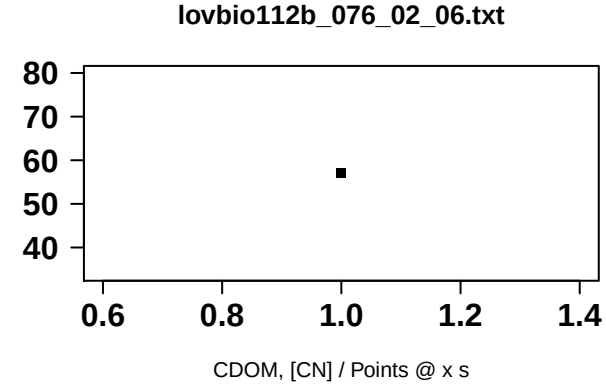
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_076_02_06.txt
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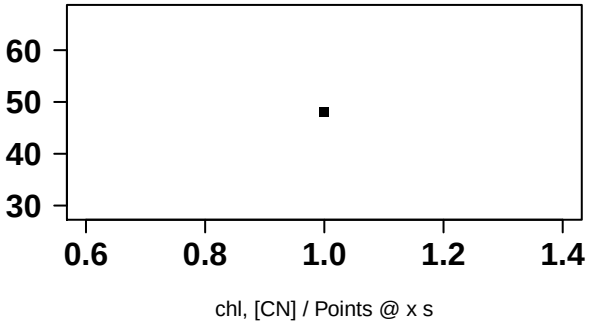
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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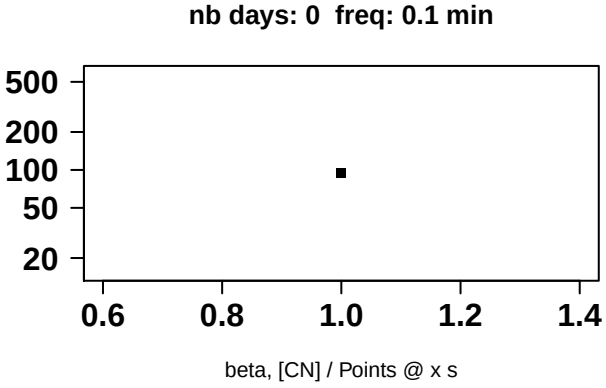
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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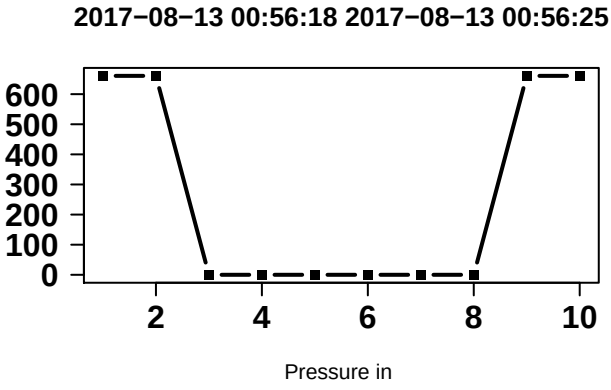
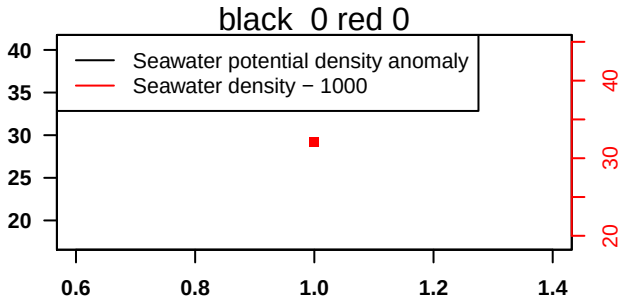
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−13 00:56:18 2017−08−13 00:56:25
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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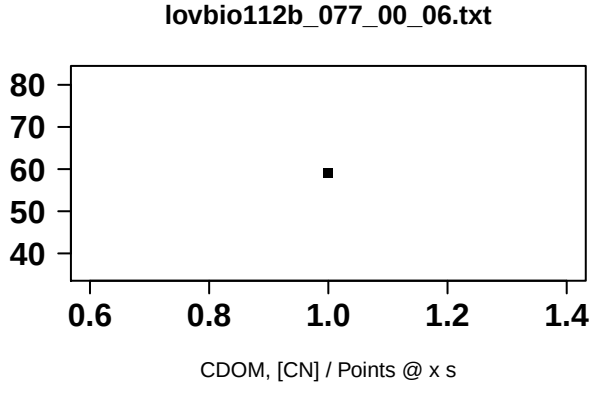
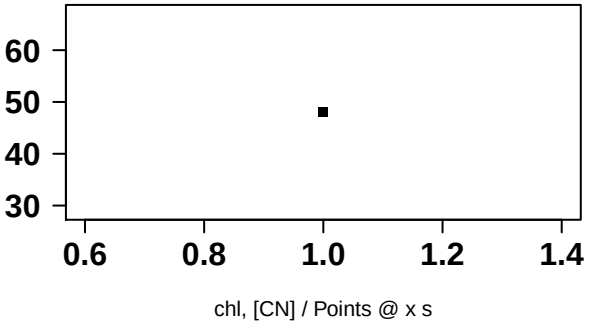
40
30
20


lovbio112b_077_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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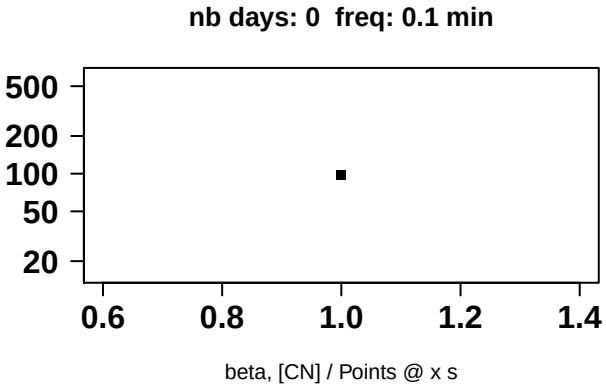
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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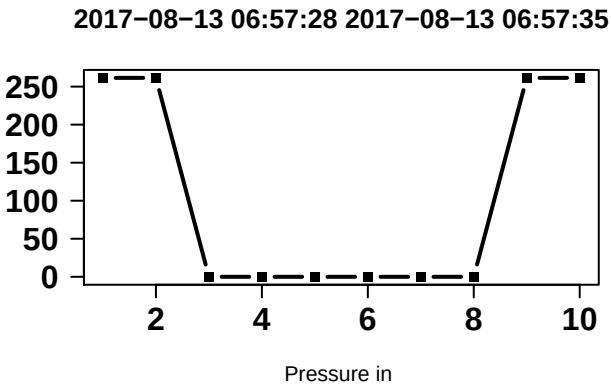
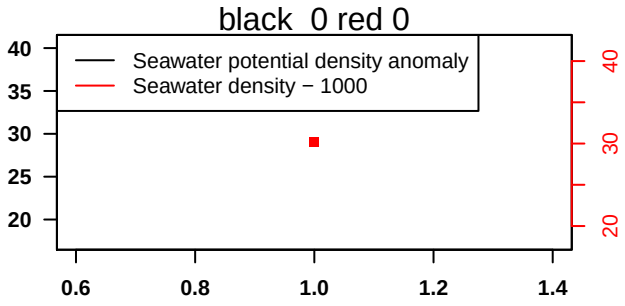
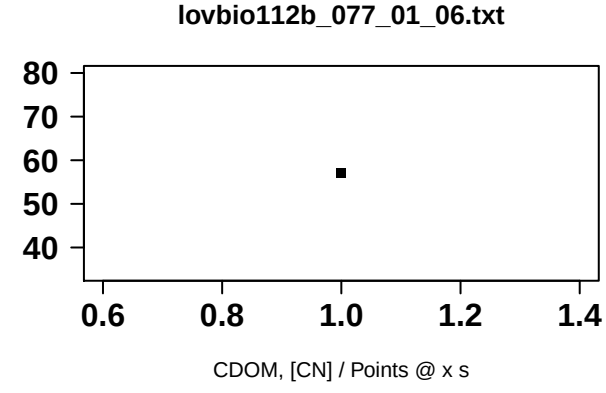
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−13 06:57:28 2017−08−13 06:57:35
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_077_01_06.txt
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70
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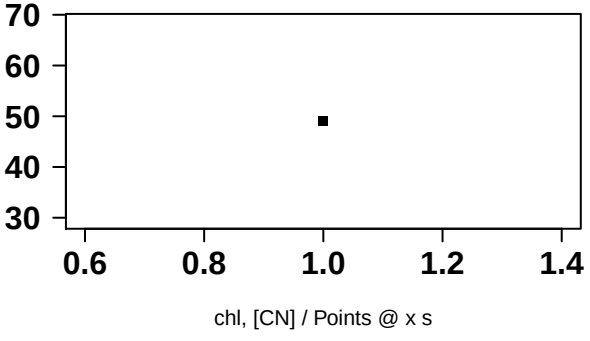
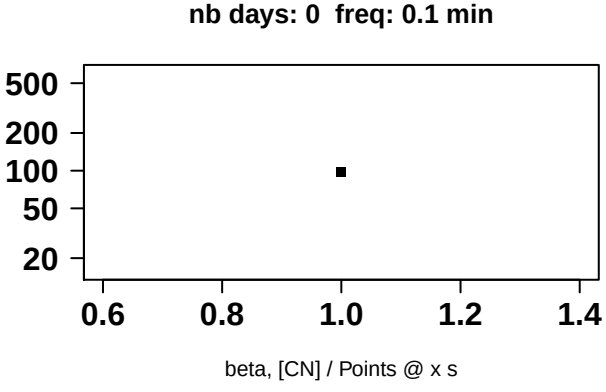
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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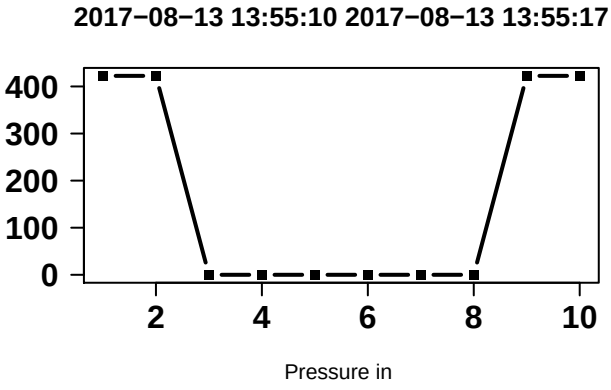
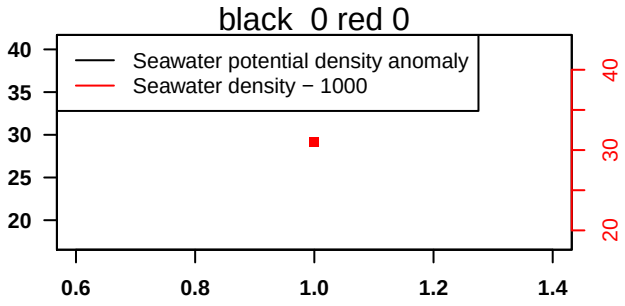
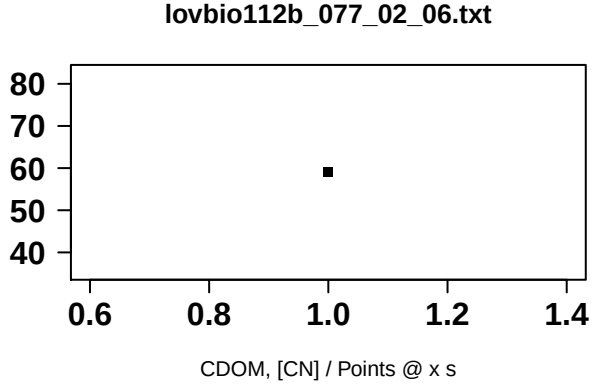
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−13 13:55:10 2017−08−13 13:55:17
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_077_02_06.txt
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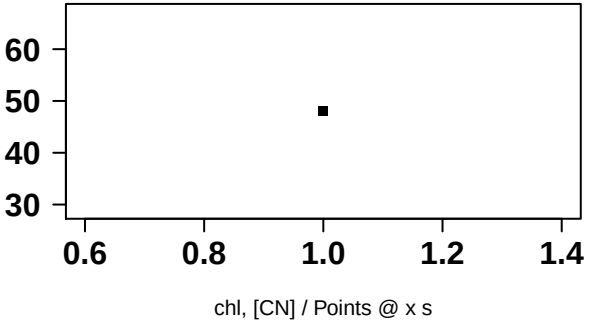
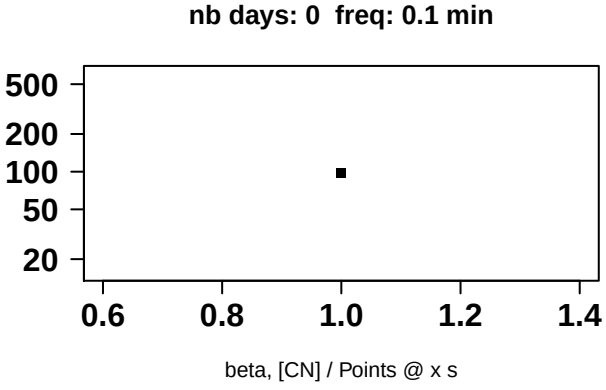
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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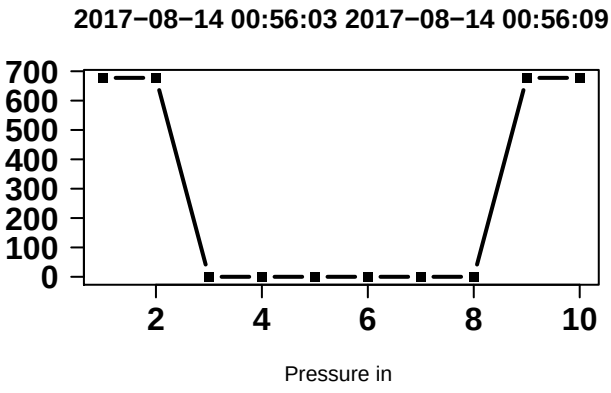
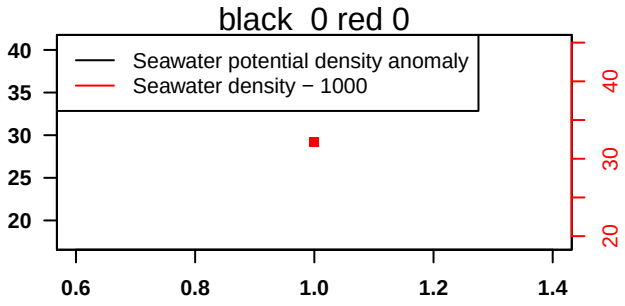
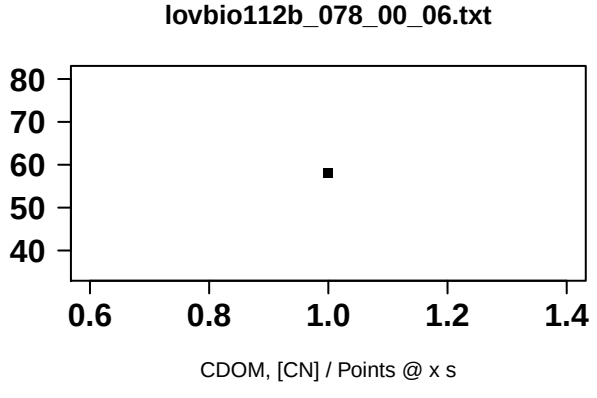
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−14 00:56:03 2017−08−14 00:56:09
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_078_00_06.txt
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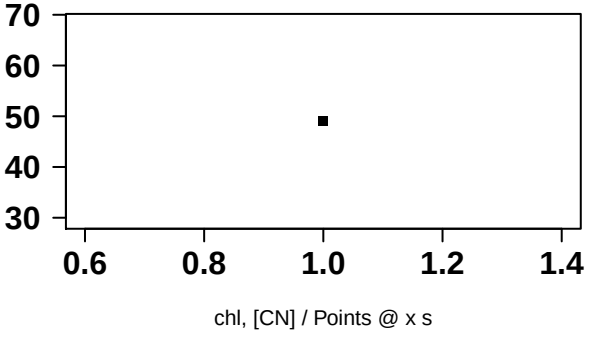
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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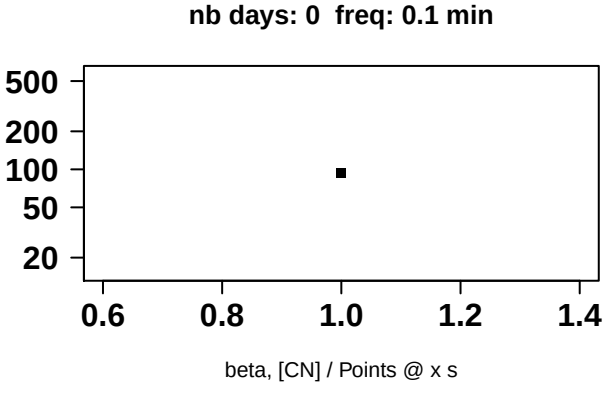
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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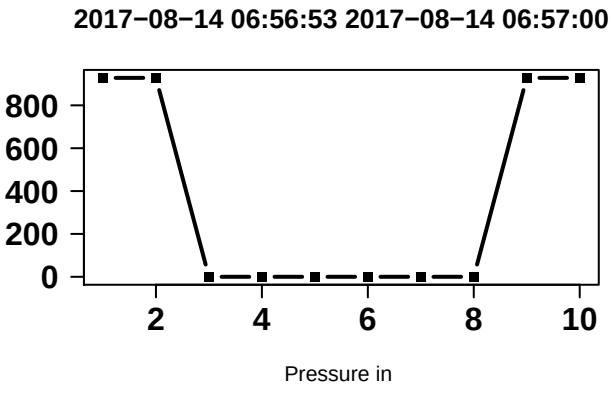
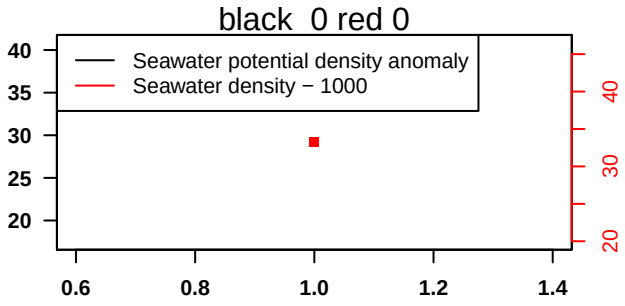
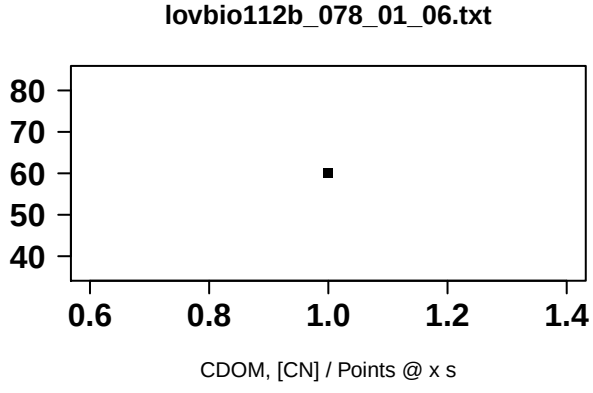
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−14 06:56:53 2017−08−14 06:57:00
800
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_078_01_06.txt
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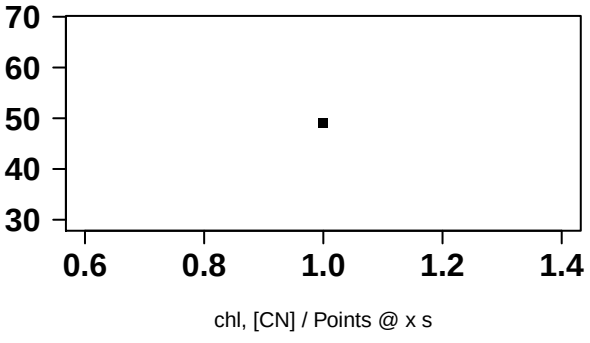
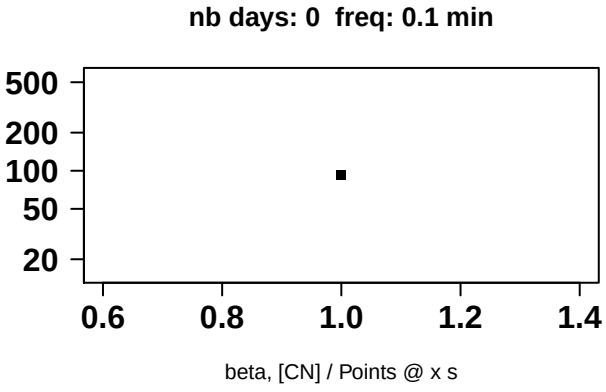
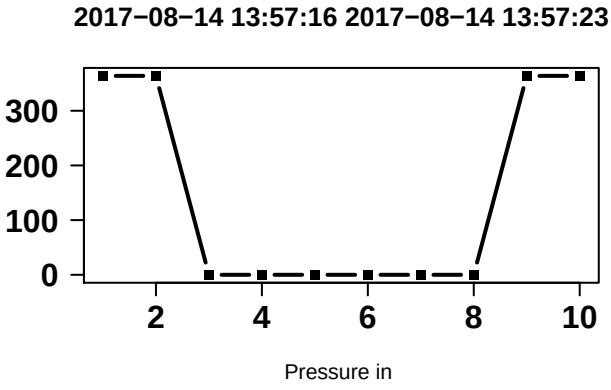
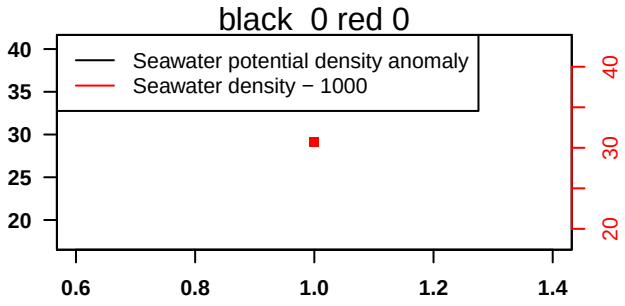
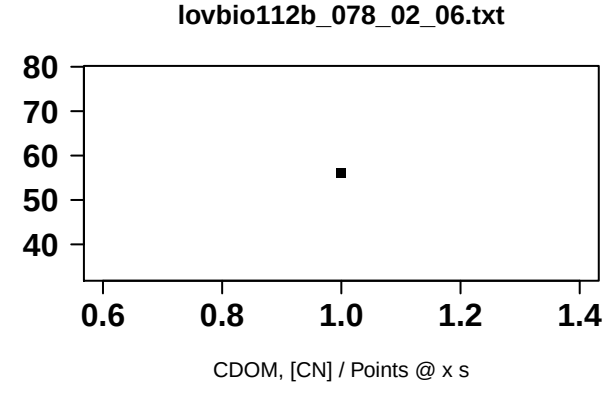
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

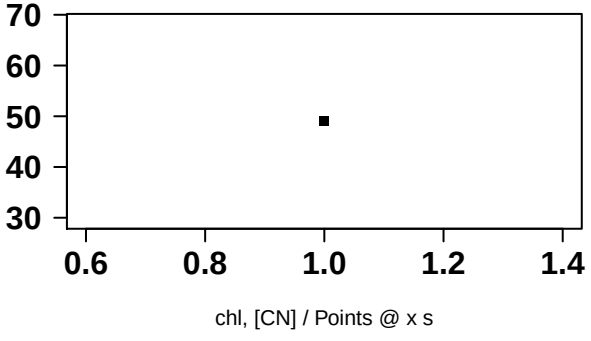

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

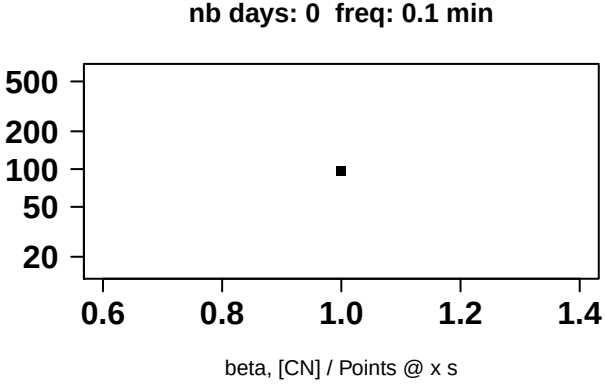

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

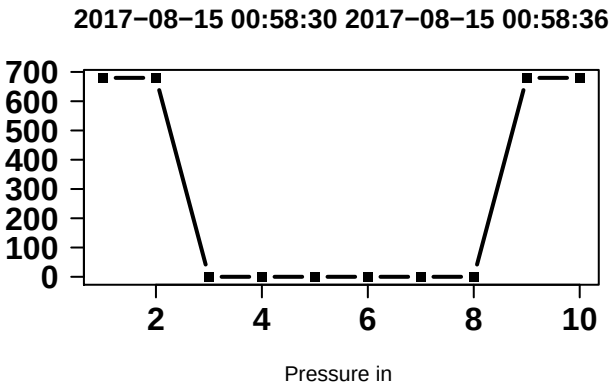

2017−08−14 13:57:16 2017−08−14 13:57:23
300
200
100
0
2
4
6
8
10
Pressure in

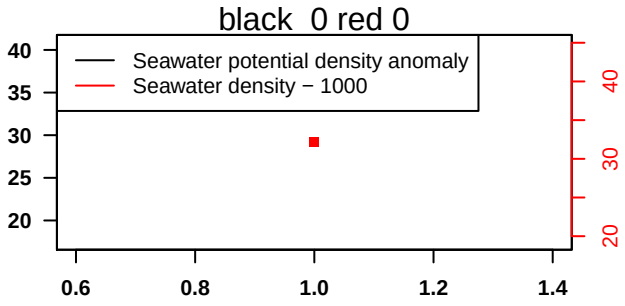

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

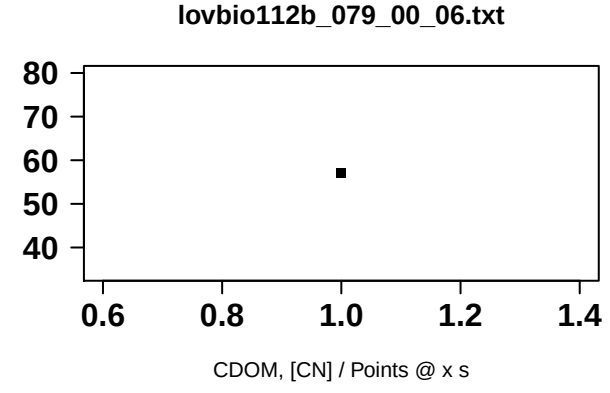

lovbio112b_078_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

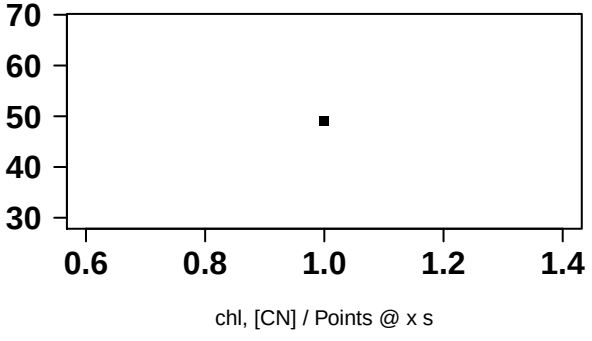

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−08−15 00:58:30 2017−08−15 00:58:36
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_079_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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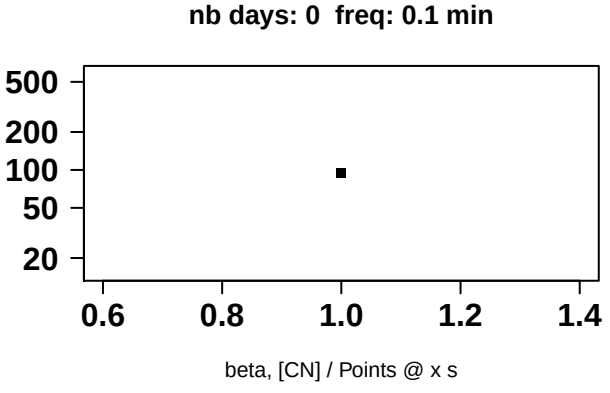
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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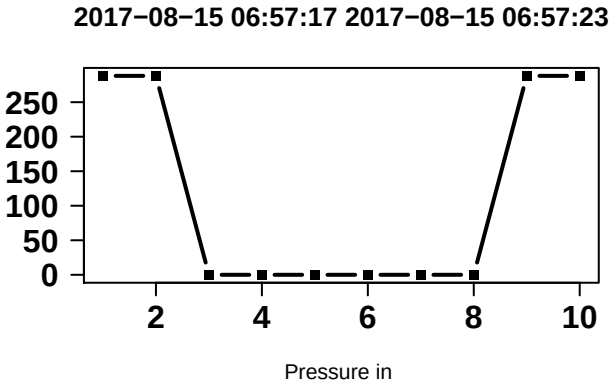
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−15 06:57:17 2017−08−15 06:57:23
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0
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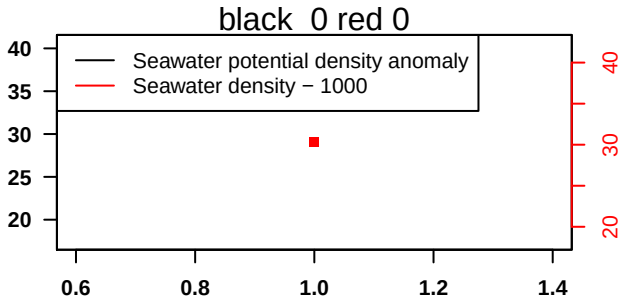
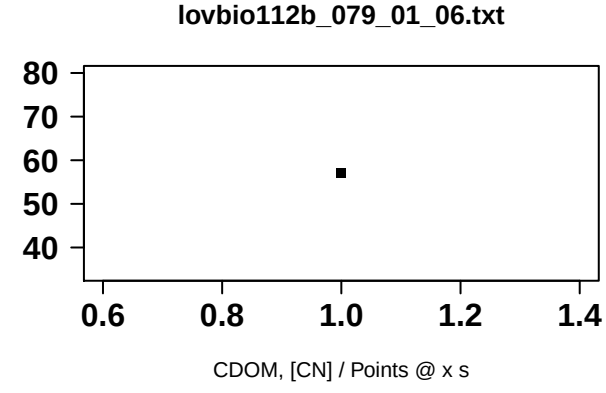
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_079_01_06.txt
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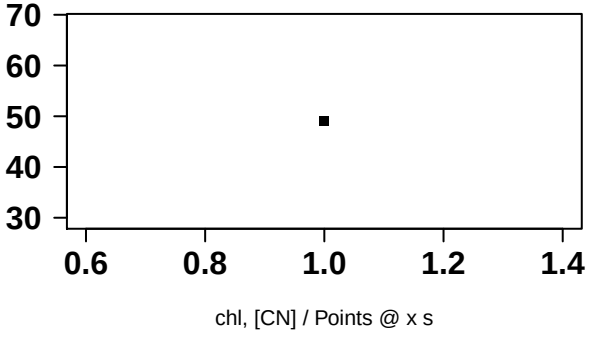
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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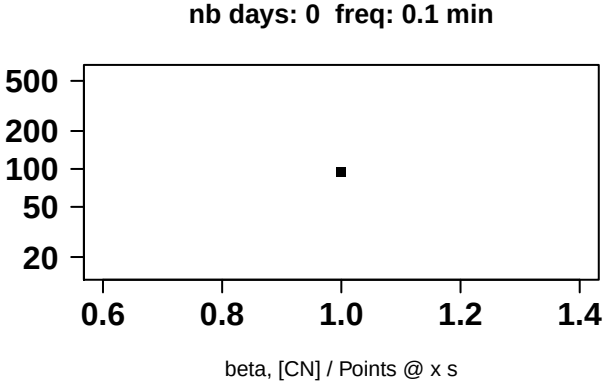
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s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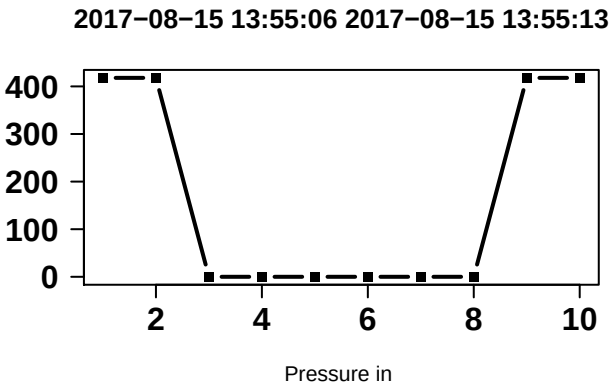
1.2
1.4
beta, [CN] / Points @ x s


2017−08−15 13:55:06 2017−08−15 13:55:13
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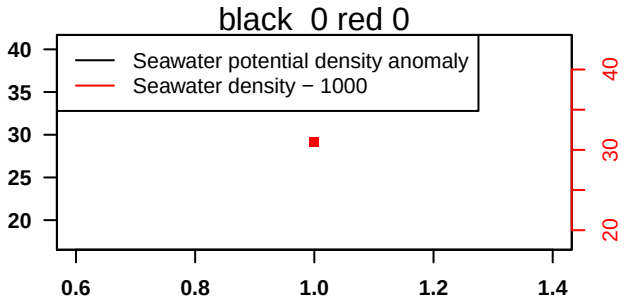
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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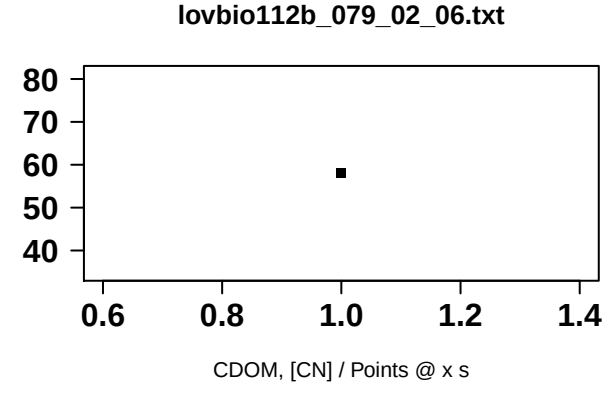
40
30
20


lovbio112b_079_02_06.txt
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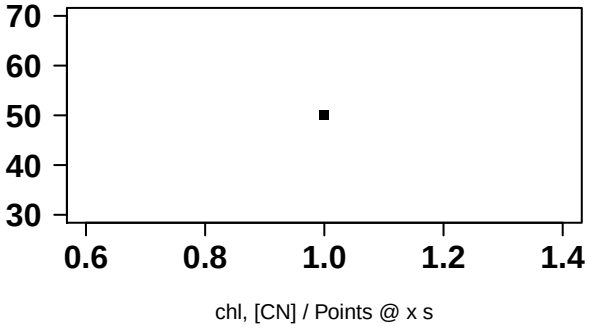
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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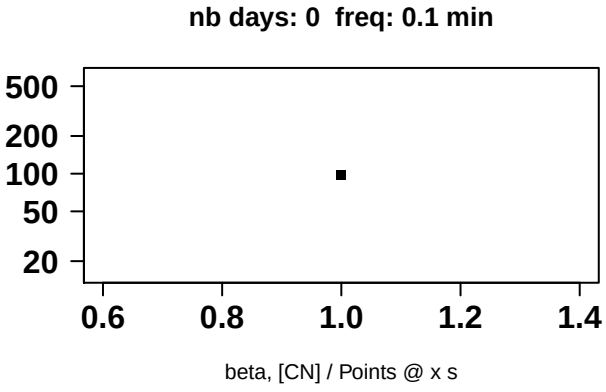
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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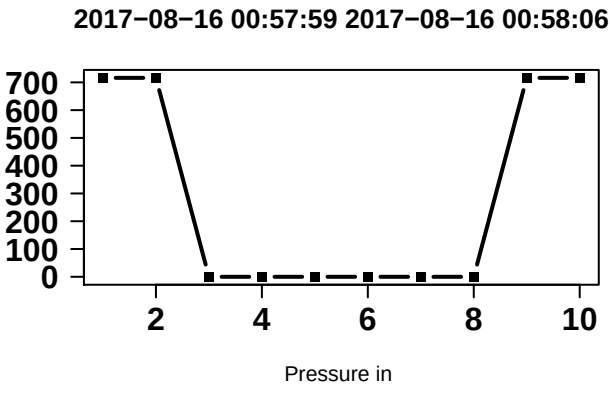
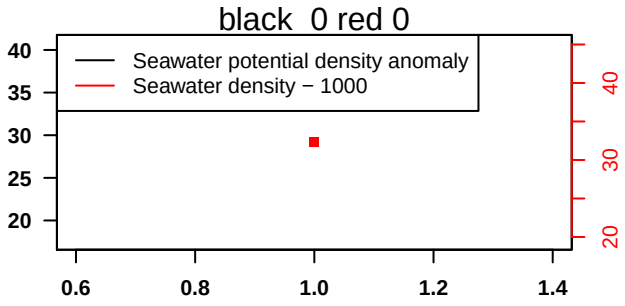
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−16 00:57:59 2017−08−16 00:58:06
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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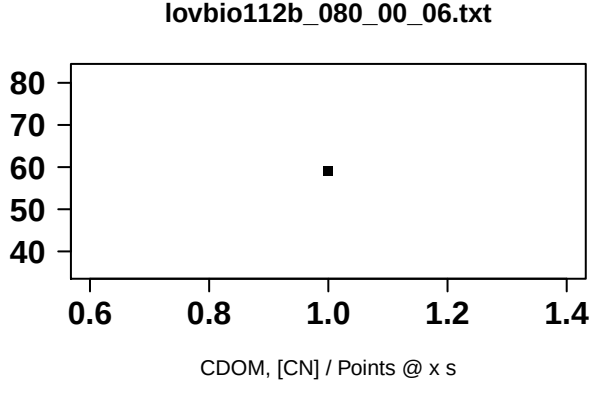
40
30
20


lovbio112b_080_00_06.txt
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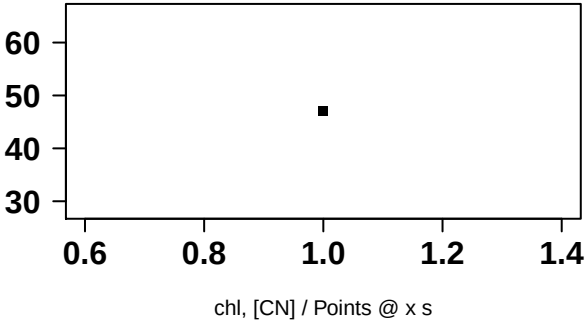
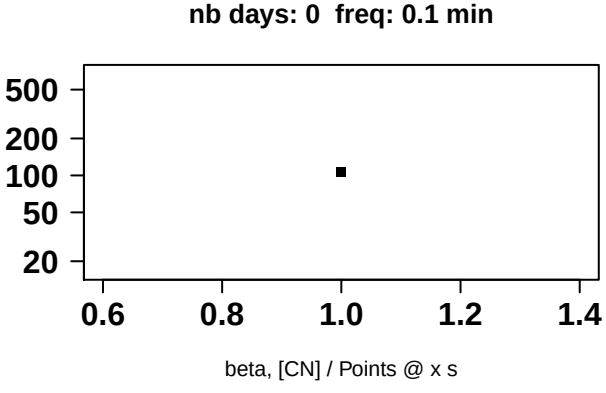
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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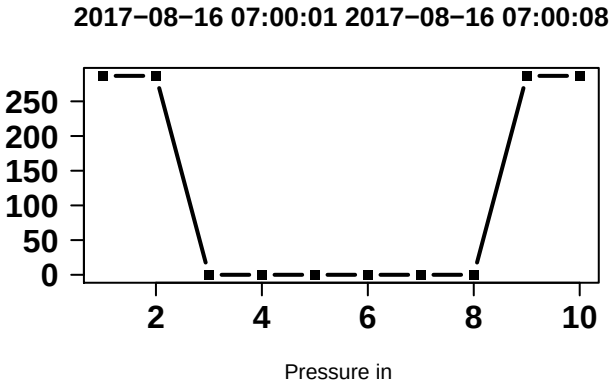
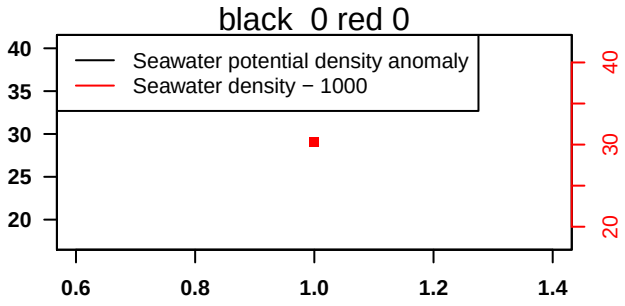
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−16 07:00:01 2017−08−16 07:00:08
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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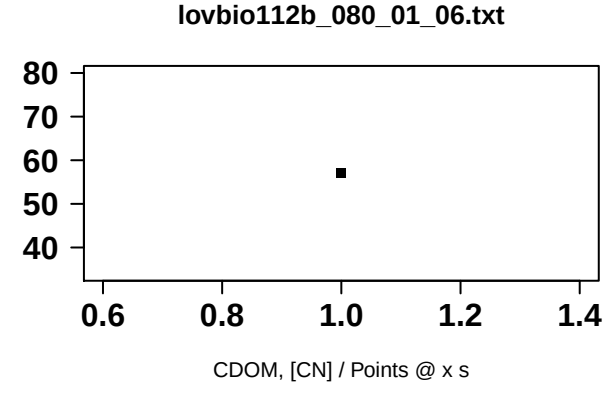
40
30
20


lovbio112b_080_01_06.txt
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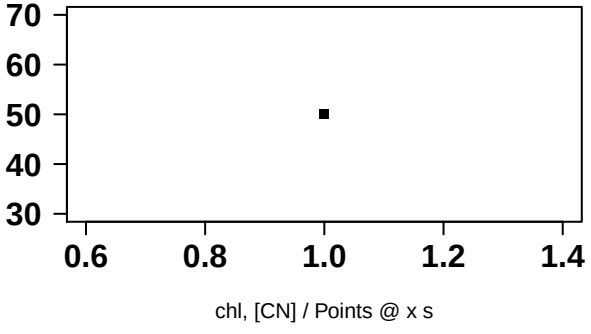
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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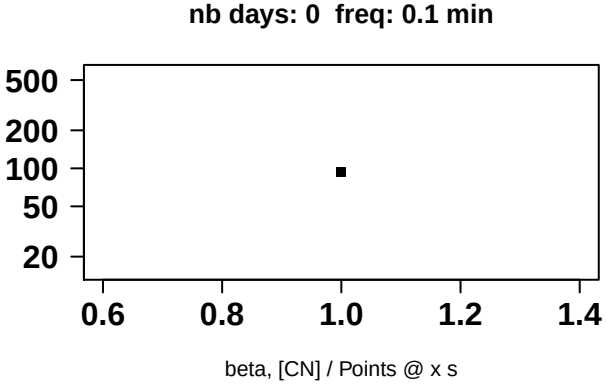
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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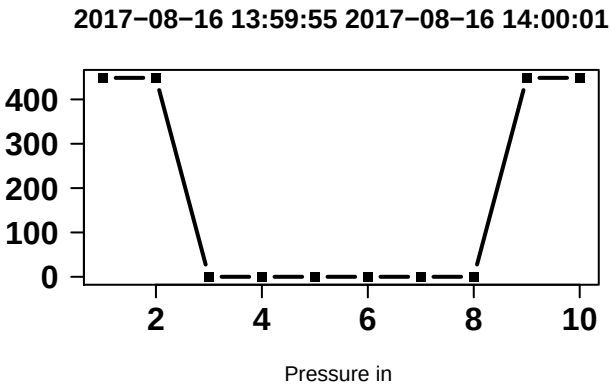
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−16 13:59:55 2017−08−16 14:00:01
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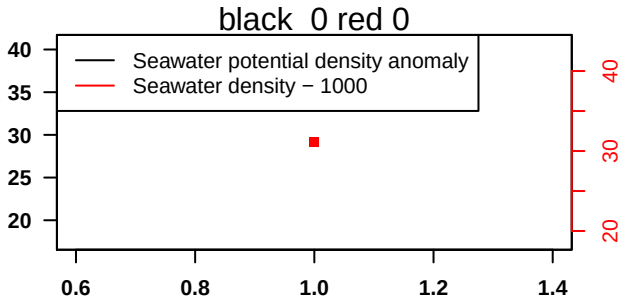
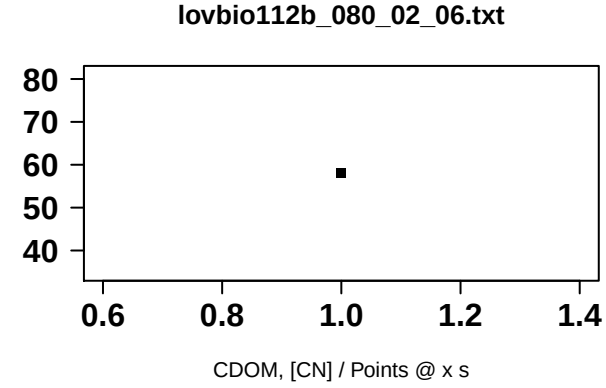
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_080_02_06.txt
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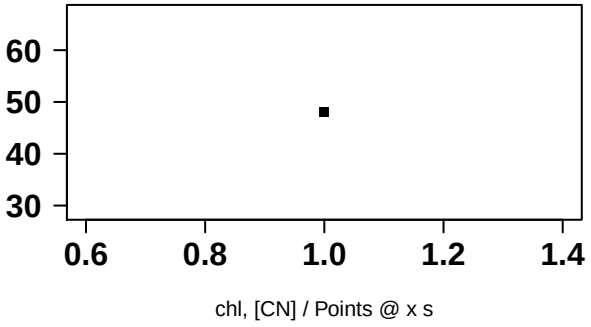
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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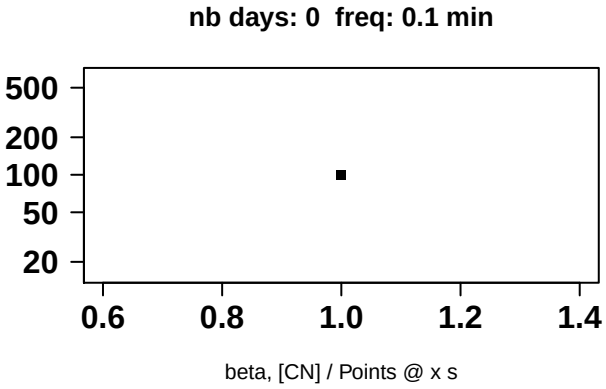
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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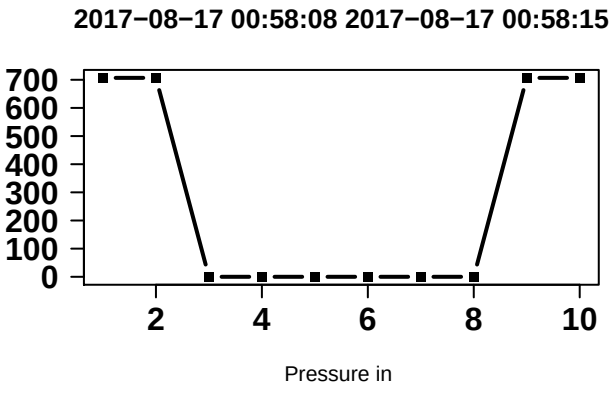
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−17 00:58:08 2017−08−17 00:58:15
700
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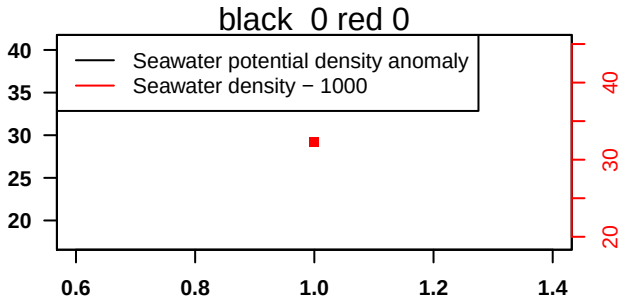
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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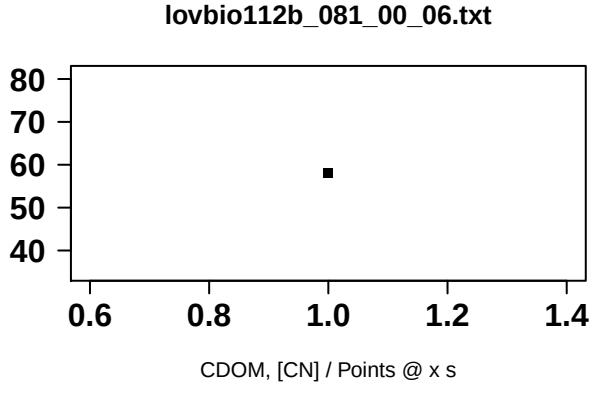
40
30
20


lovbio112b_081_00_06.txt
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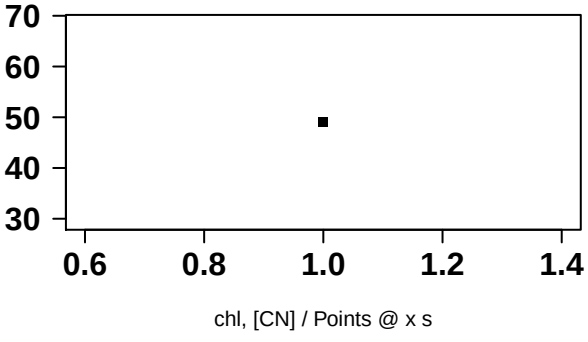
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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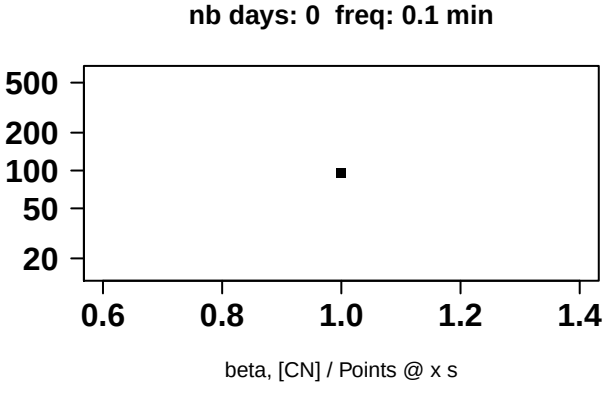
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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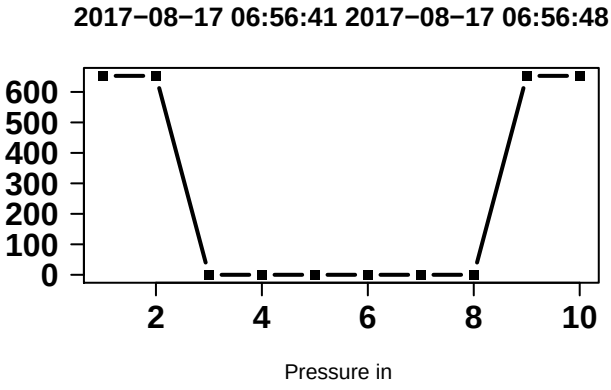
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−17 06:56:41 2017−08−17 06:56:48
600
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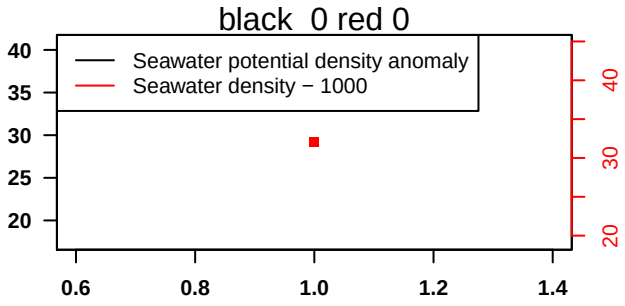
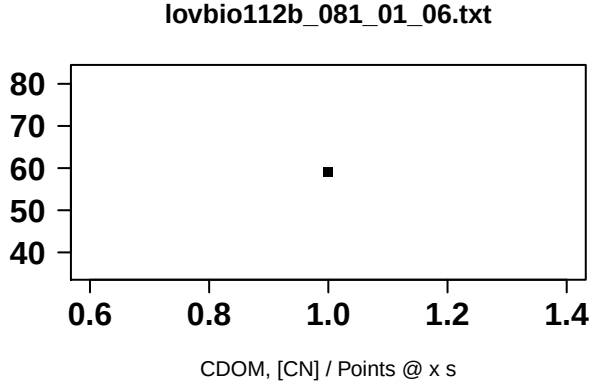
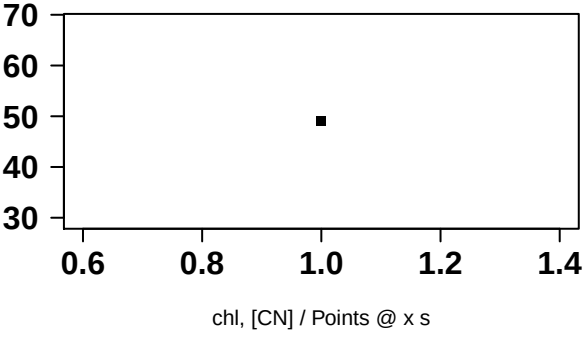
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_081_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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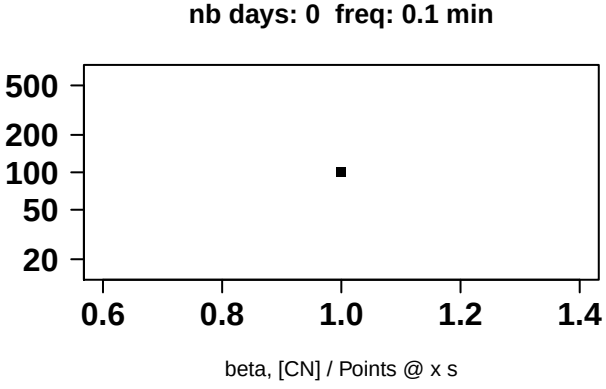
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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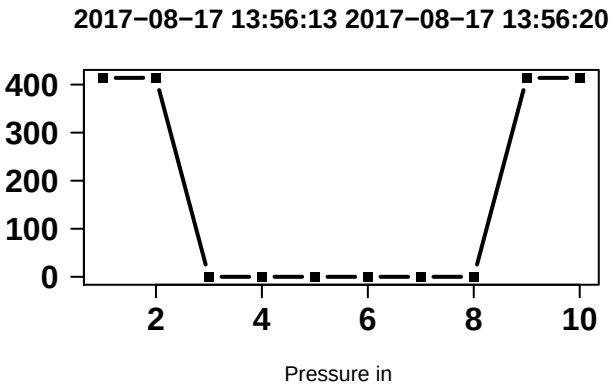
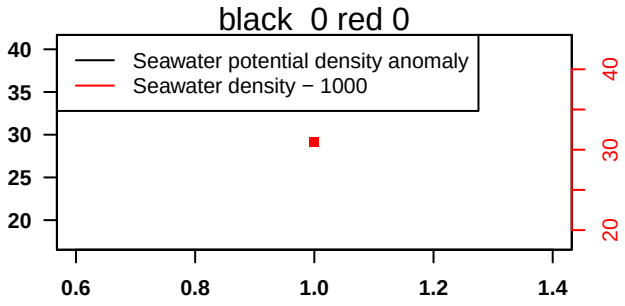
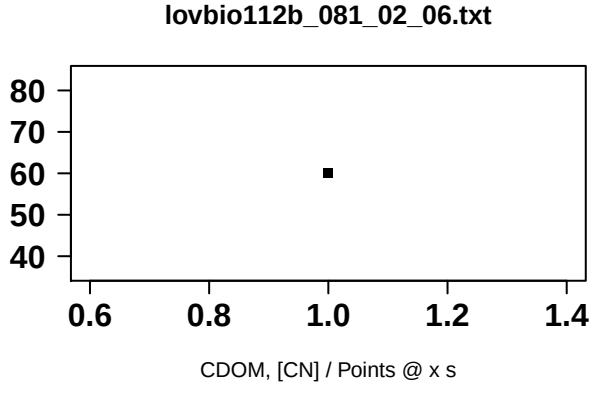
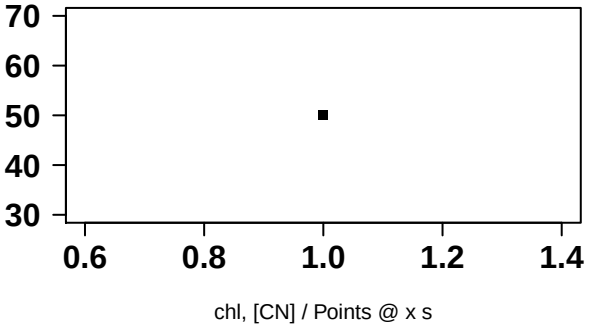
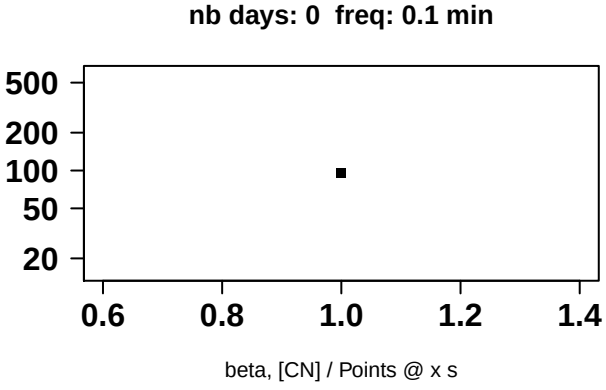
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−17 13:56:13 2017−08−17 13:56:20
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_081_02_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
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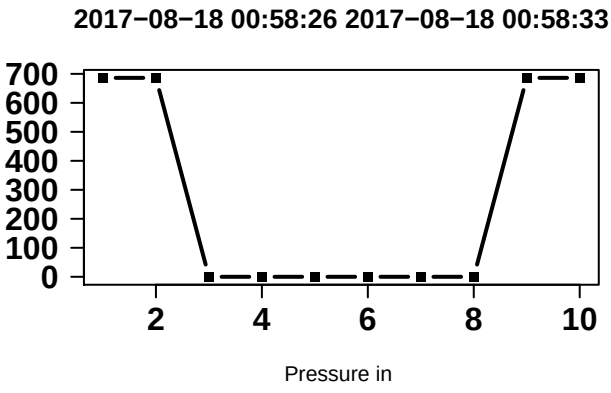
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−18 00:58:26 2017−08−18 00:58:33
700
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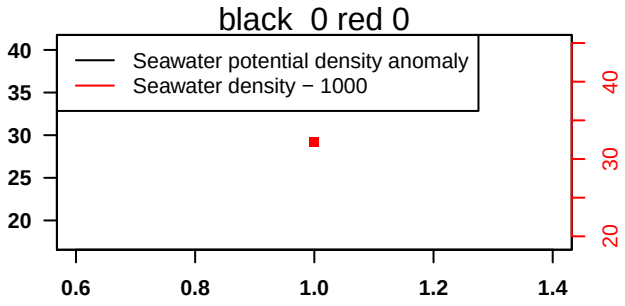
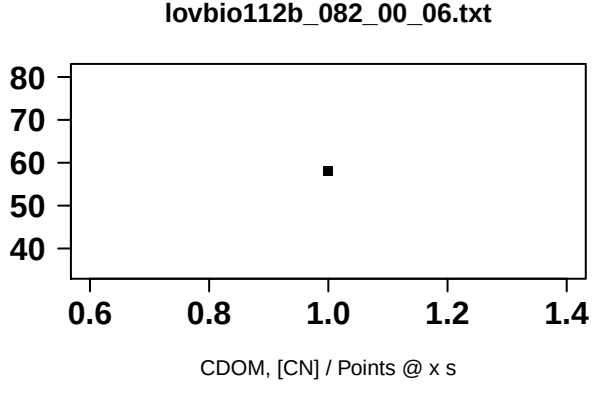
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_082_00_06.txt
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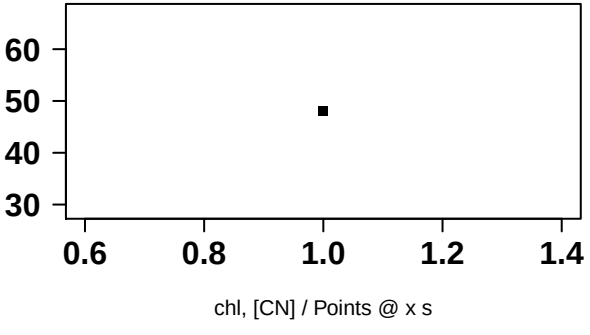
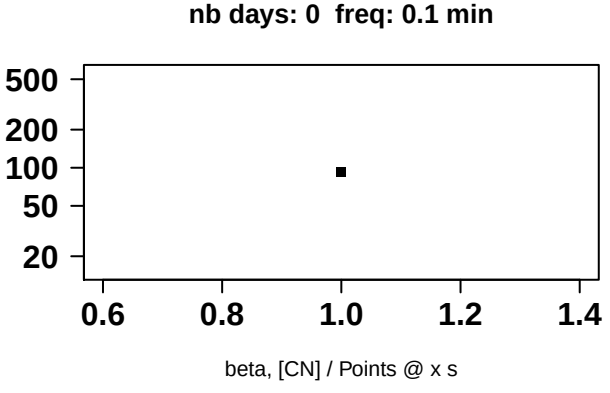
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
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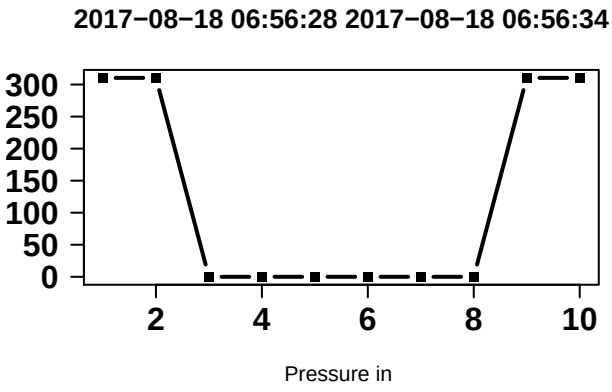
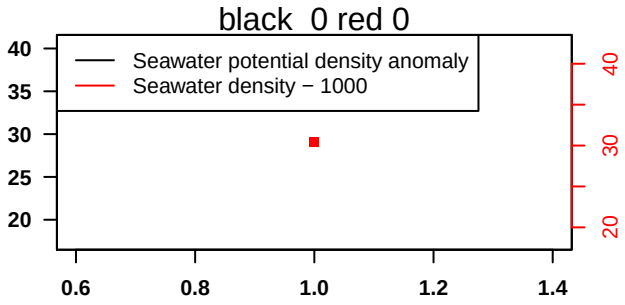
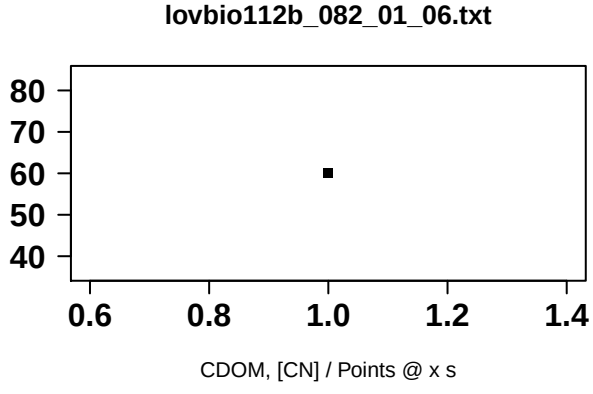
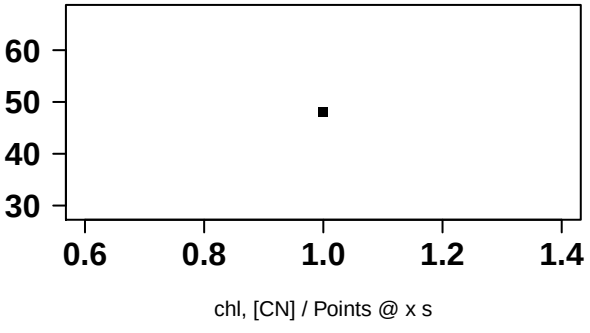
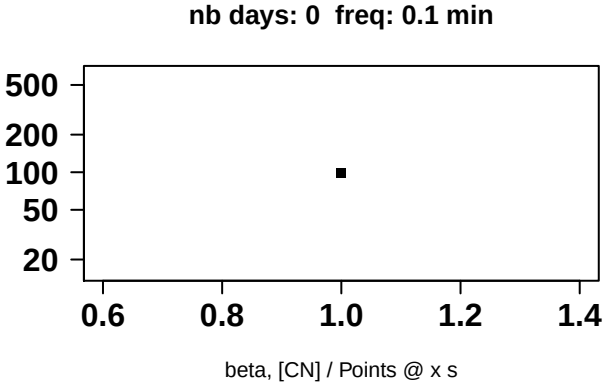
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

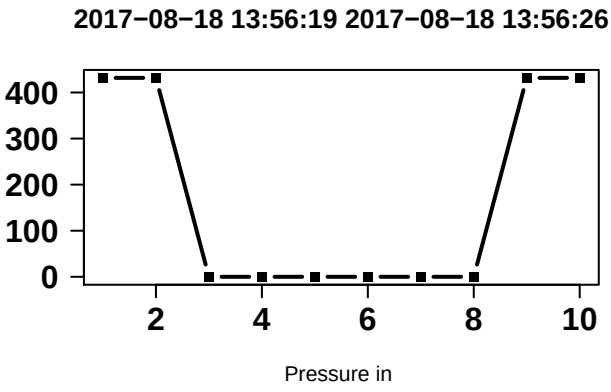

2017−08−18 06:56:28 2017−08−18 06:56:34
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

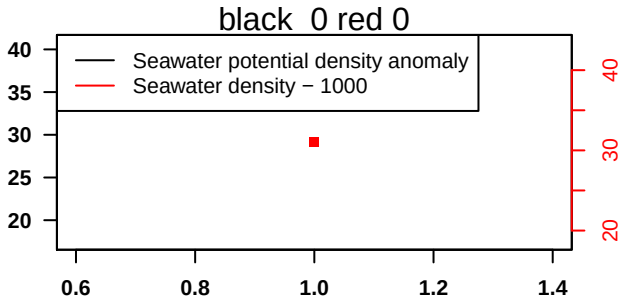

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

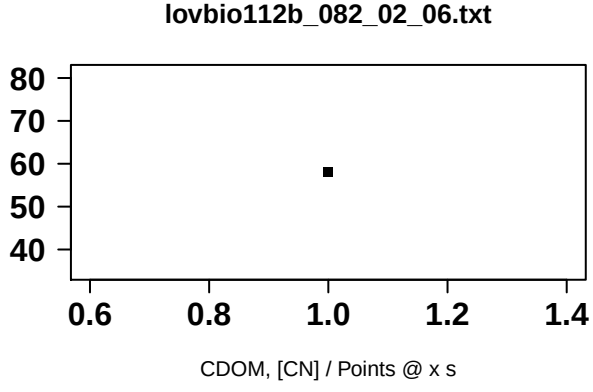

lovbio112b_082_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

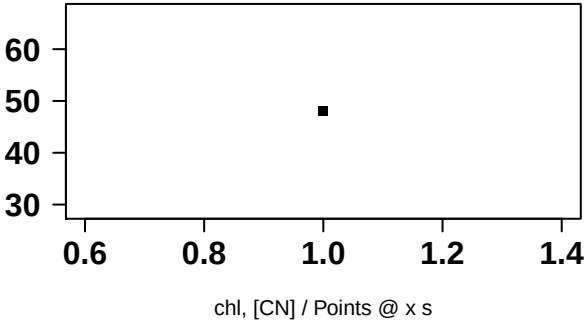

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

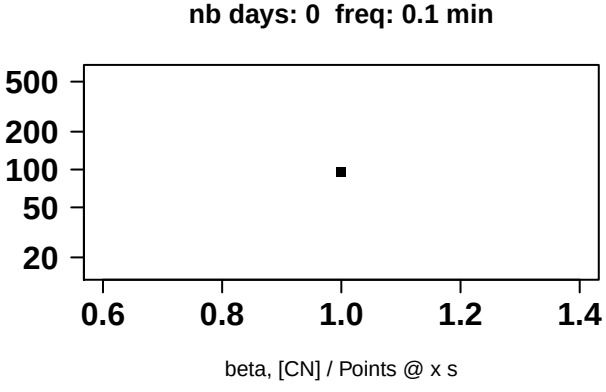

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−18 13:56:19 2017−08−18 13:56:26
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_082_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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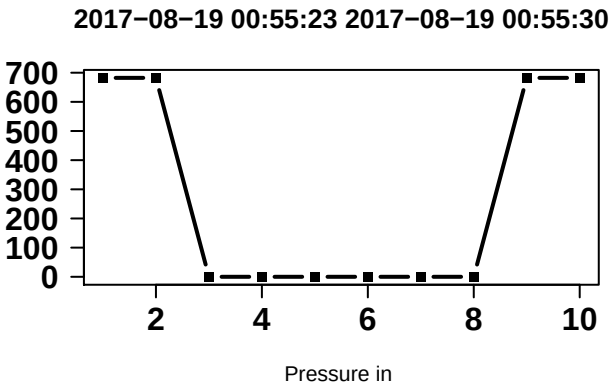
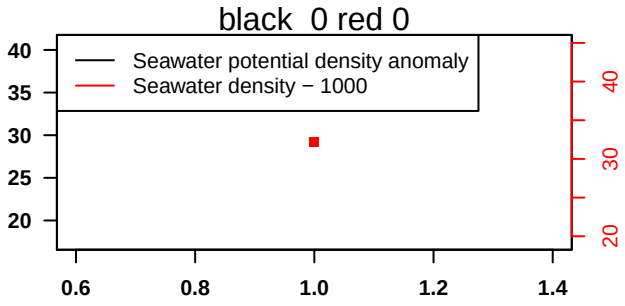
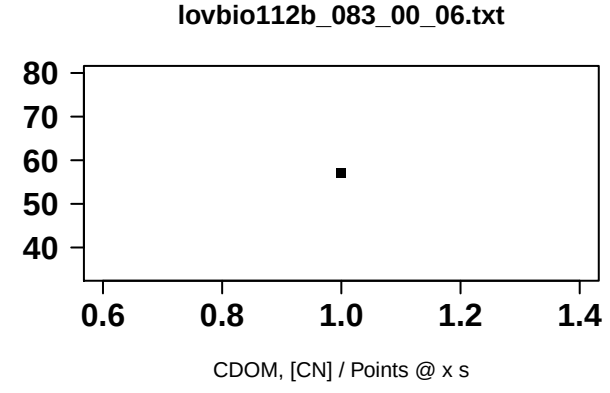
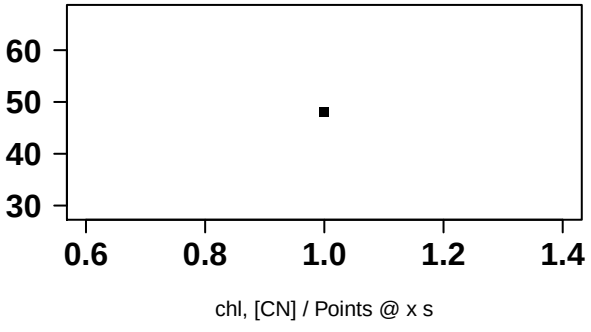
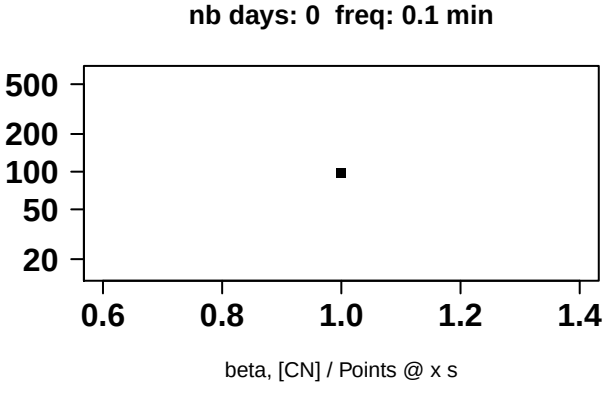
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−19 00:55:23 2017−08−19 00:55:30
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_083_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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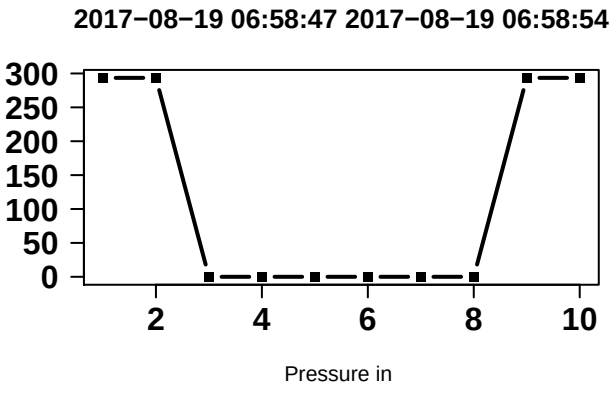
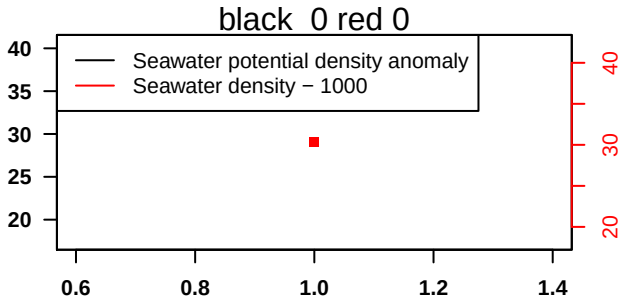
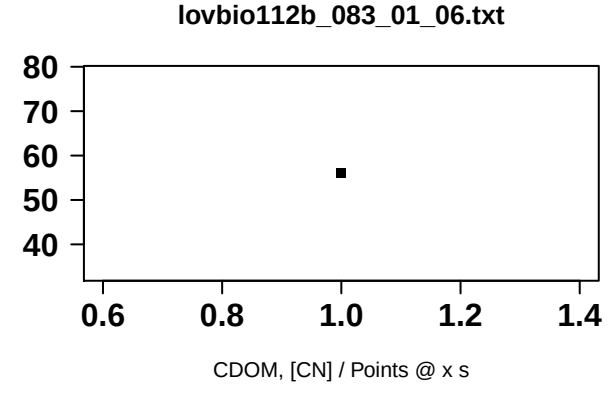
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−19 06:58:47 2017−08−19 06:58:54
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_083_01_06.txt
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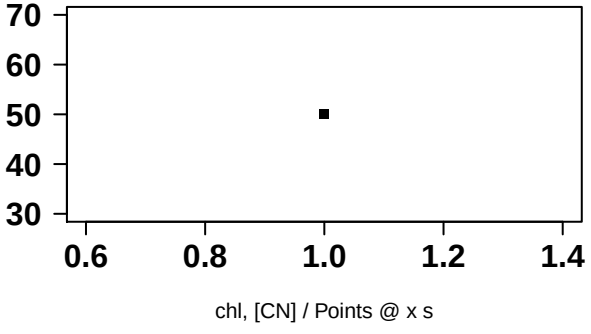
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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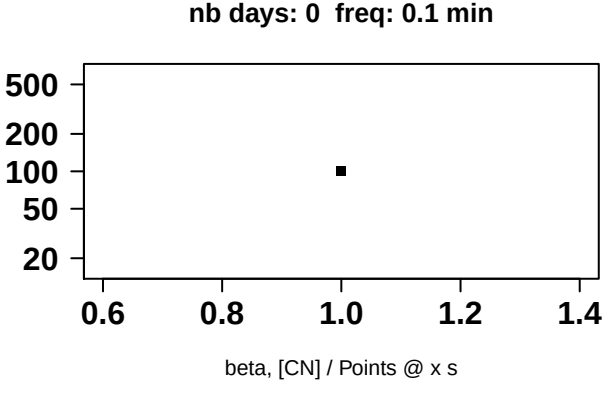
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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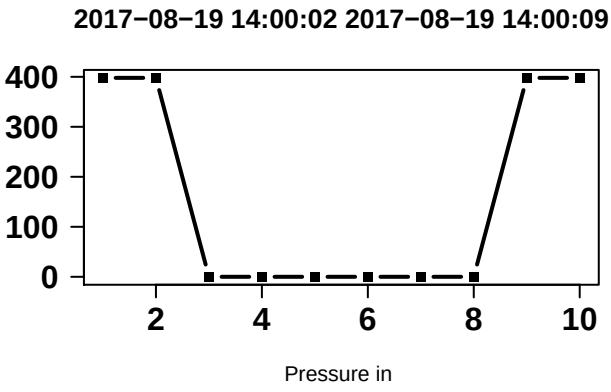
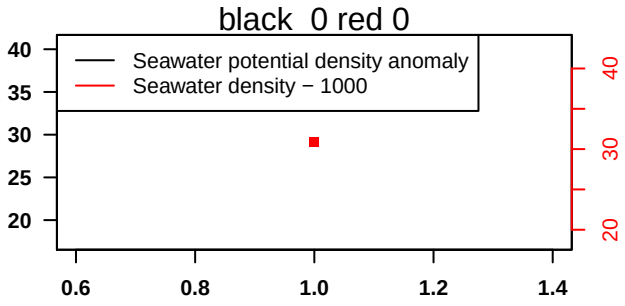
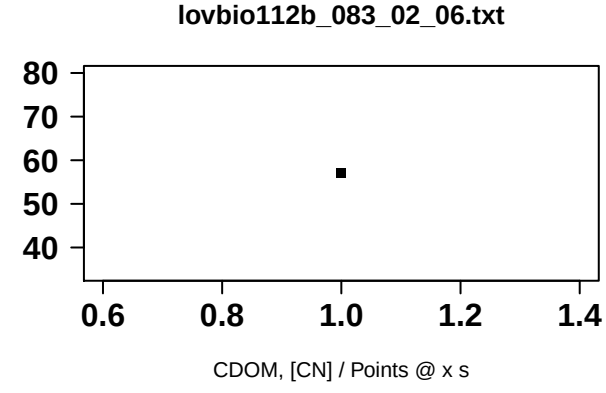
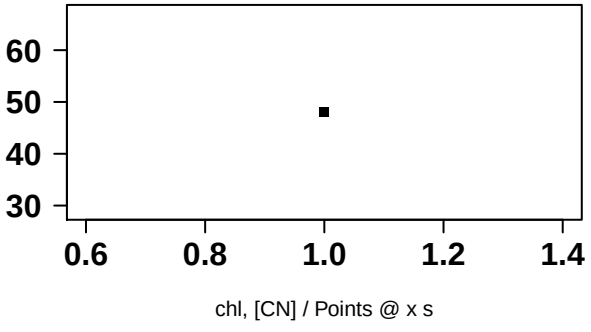
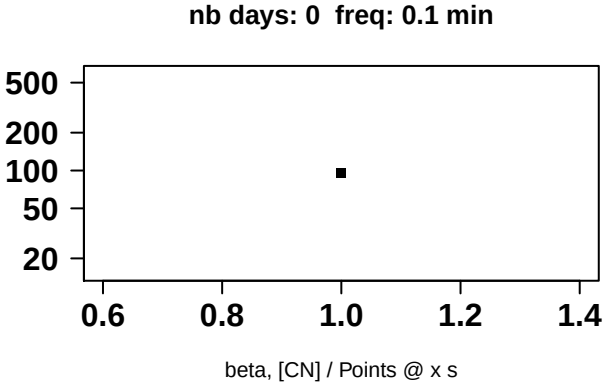
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−19 14:00:02 2017−08−19 14:00:09
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_083_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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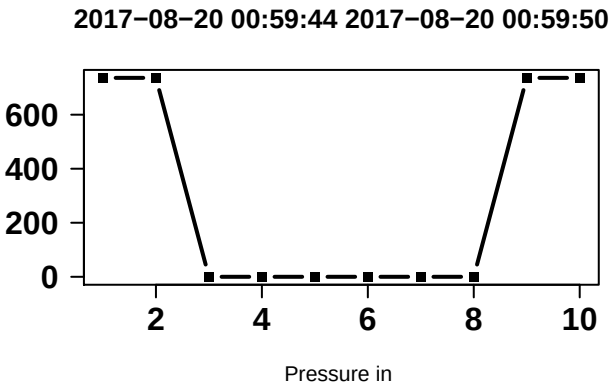
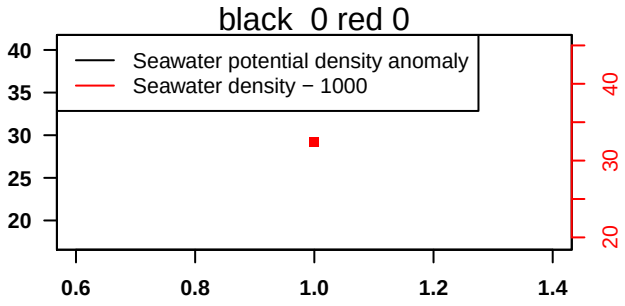
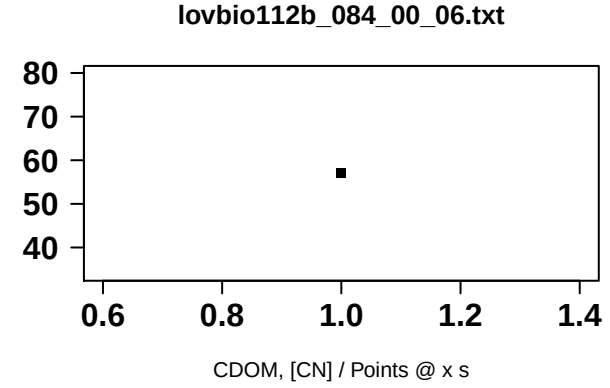
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−20 00:59:44 2017−08−20 00:59:50
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_084_00_06.txt
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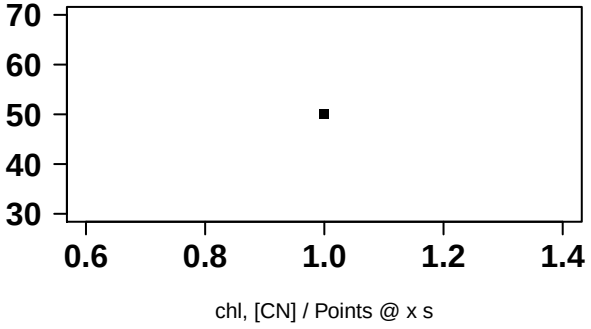
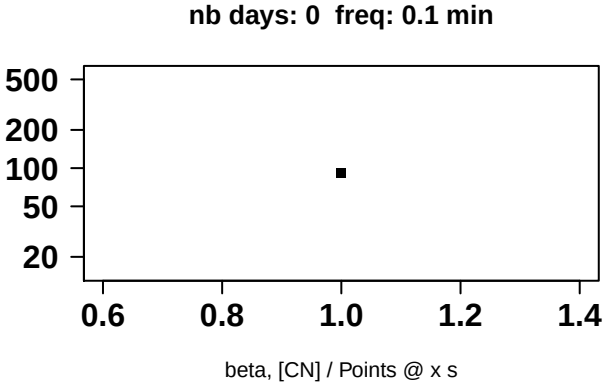
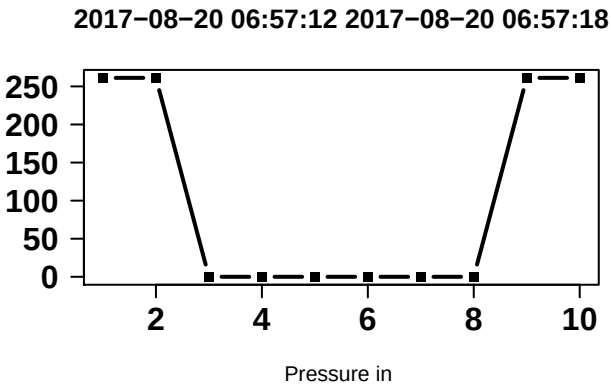
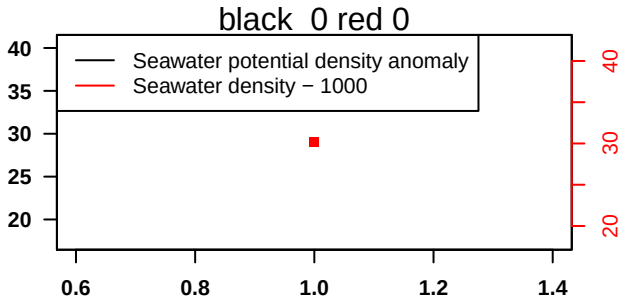
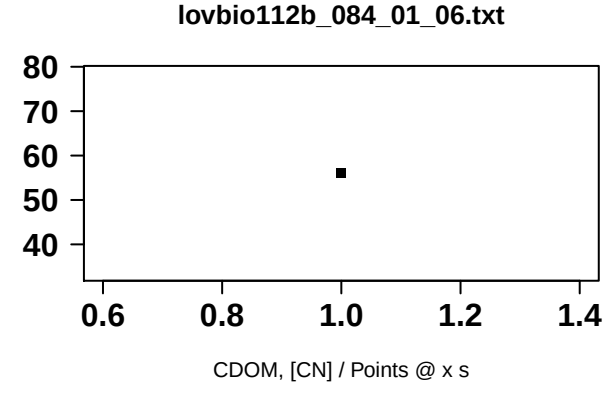
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

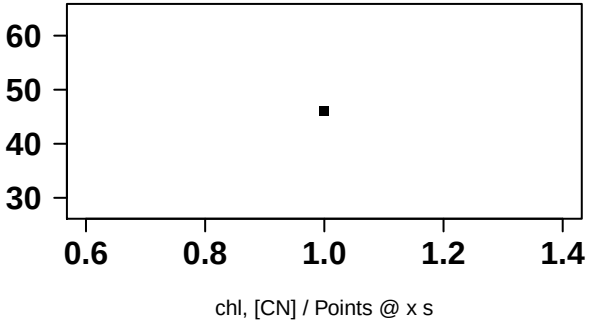

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

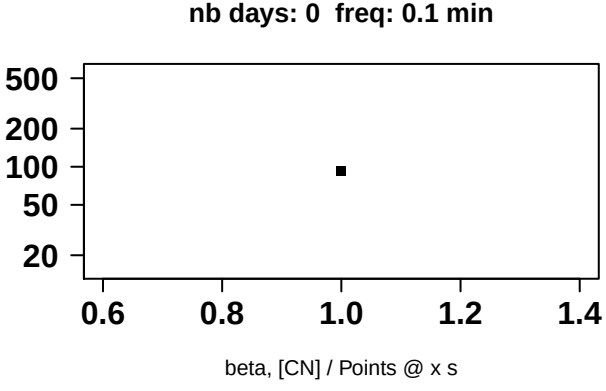

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−20 06:57:12 2017−08−20 06:57:18
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_084_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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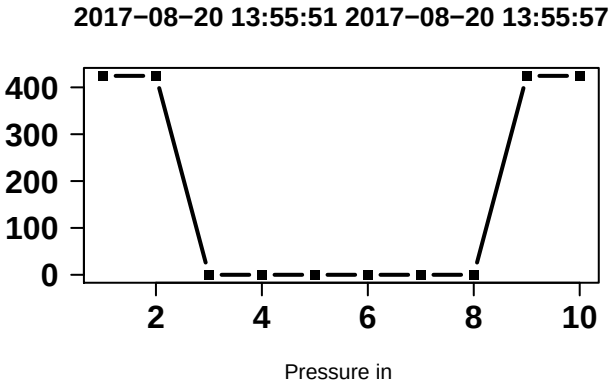
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−20 13:55:51 2017−08−20 13:55:57
400
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100
0
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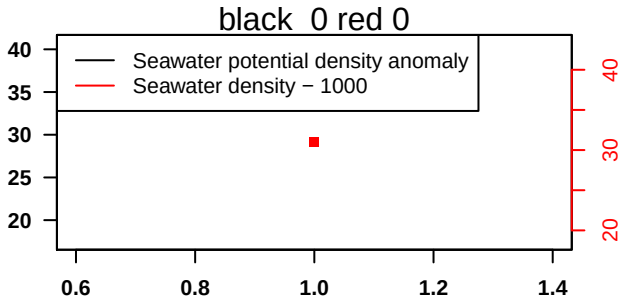
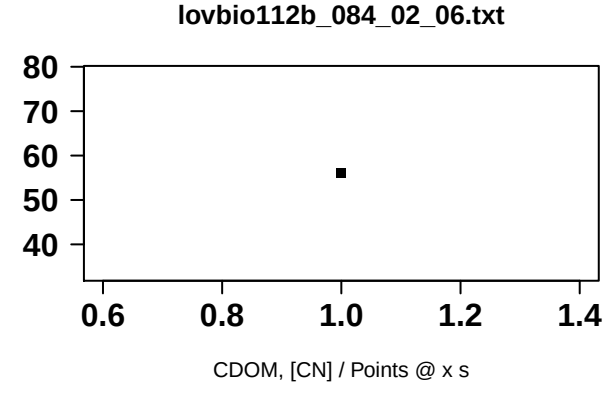
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_084_02_06.txt
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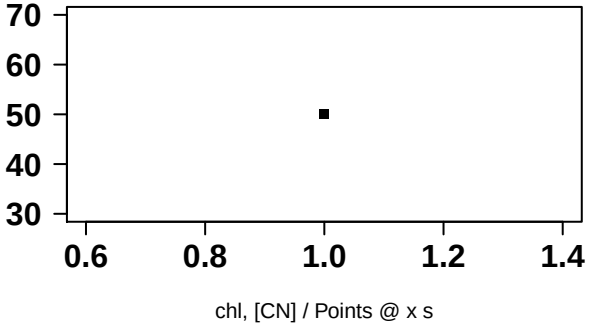
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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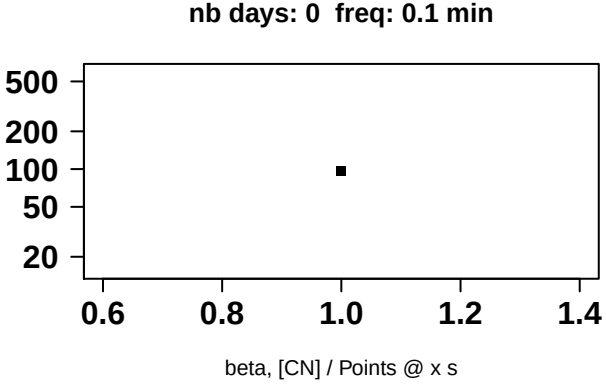
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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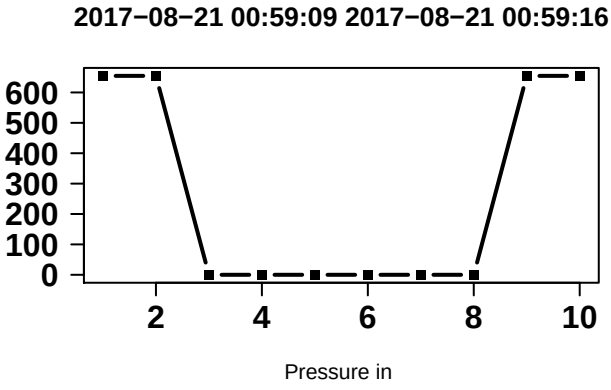
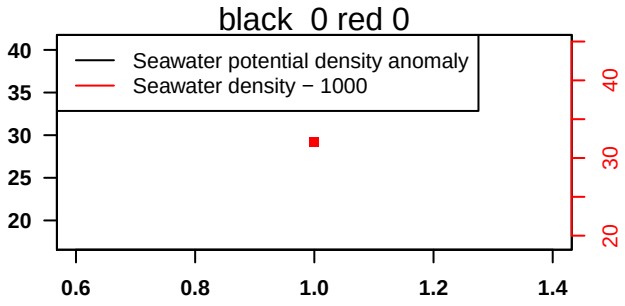
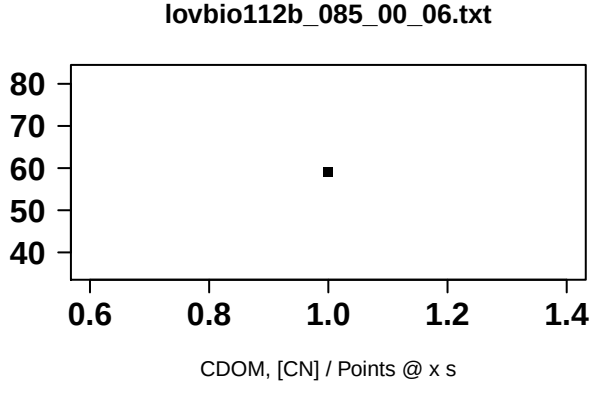
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−21 00:59:09 2017−08−21 00:59:16
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_085_00_06.txt
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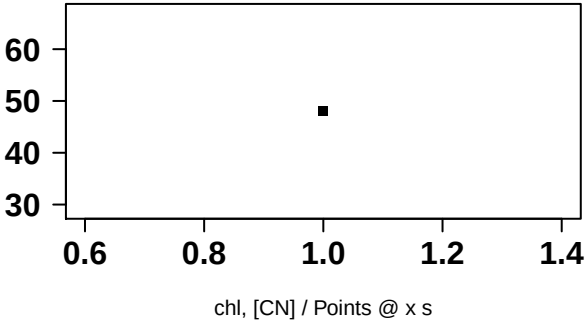
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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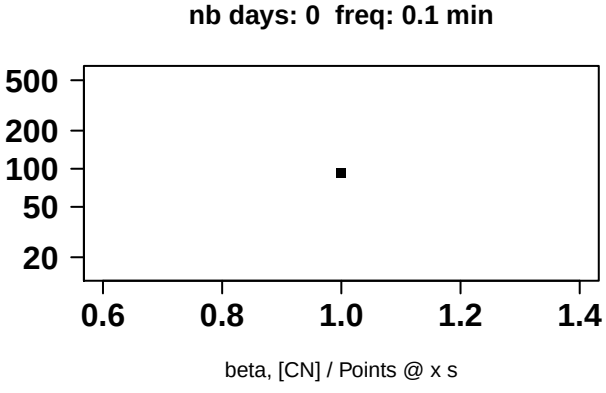
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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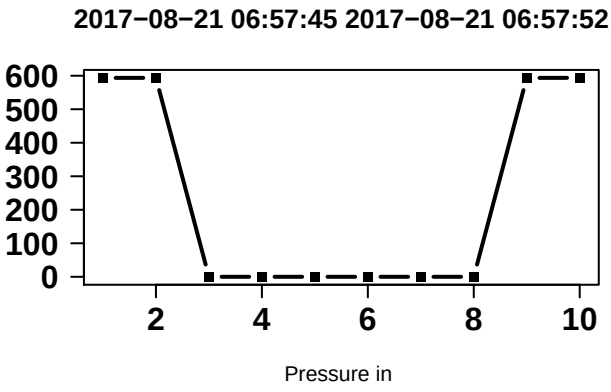
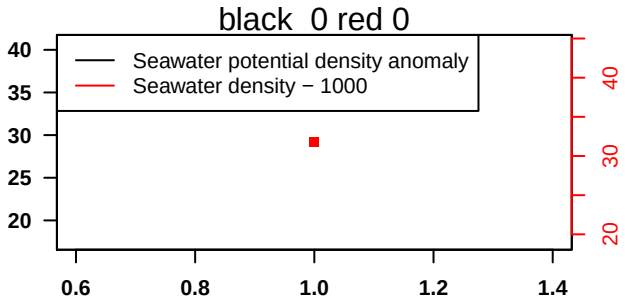
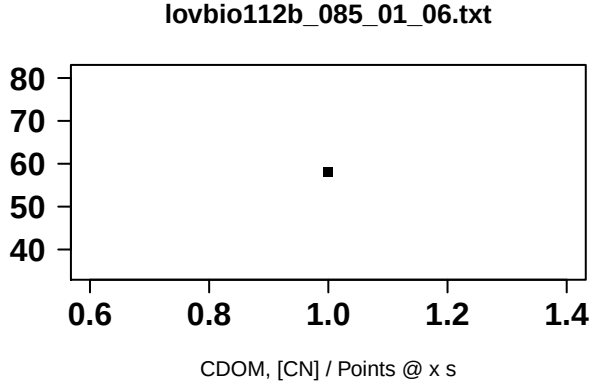
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−21 06:57:45 2017−08−21 06:57:52
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_085_01_06.txt
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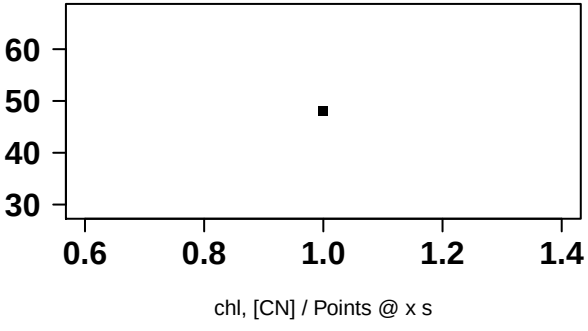
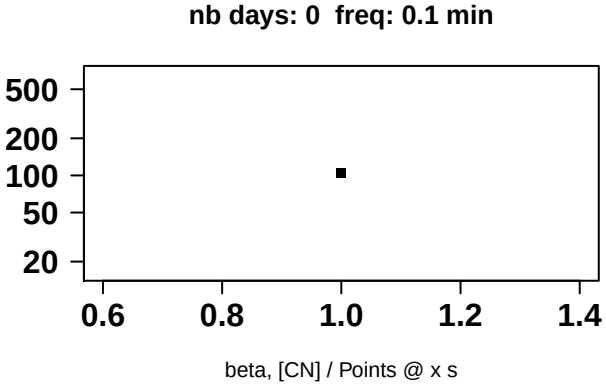
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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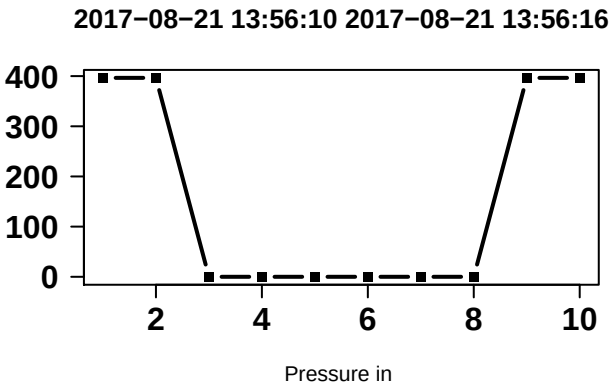
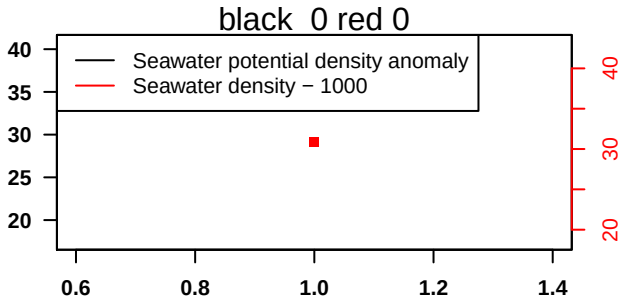
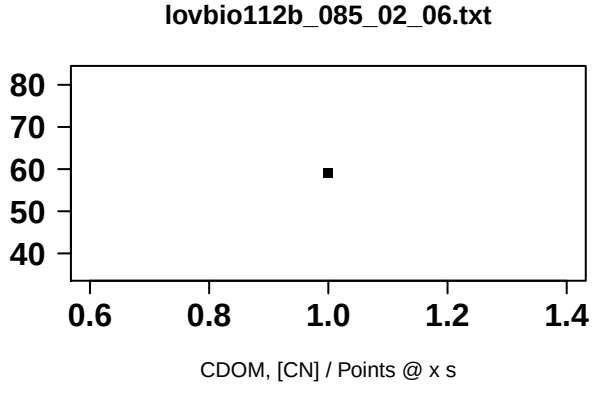
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−21 13:56:10 2017−08−21 13:56:16
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_085_02_06.txt
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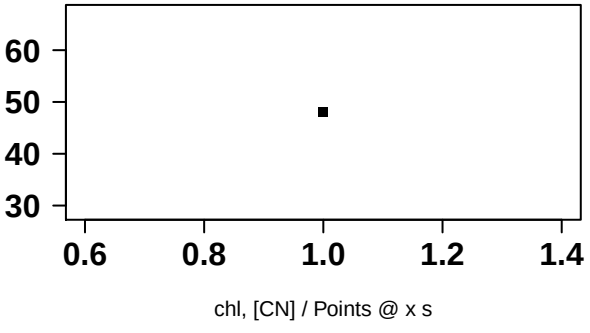
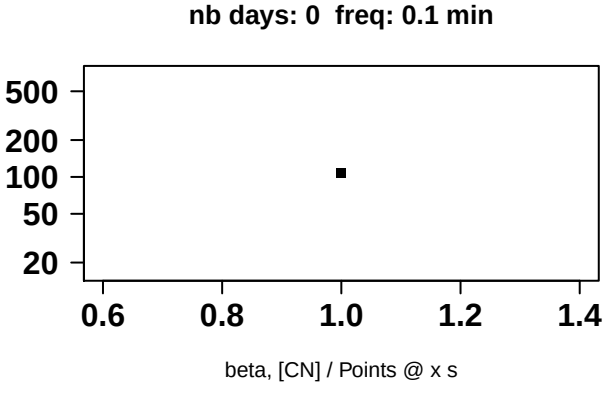
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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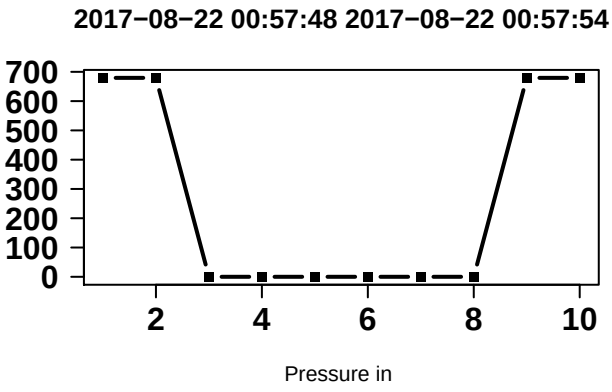
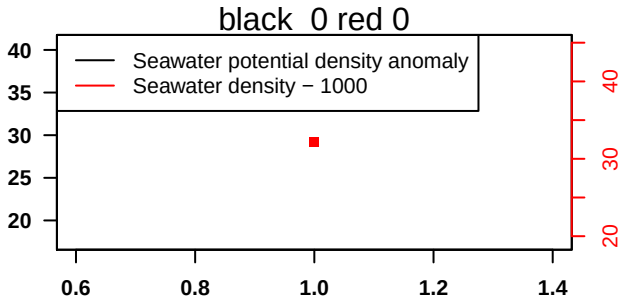
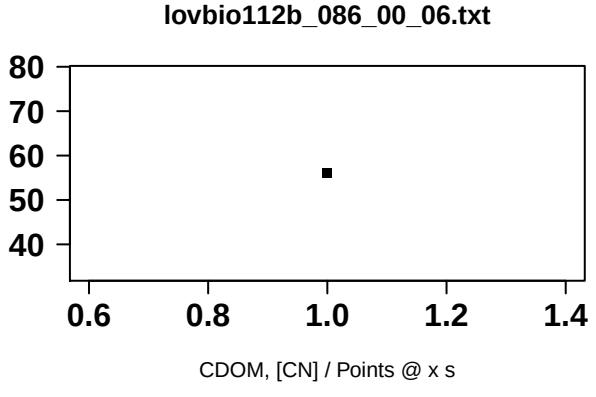
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−22 00:57:48 2017−08−22 00:57:54
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_086_00_06.txt
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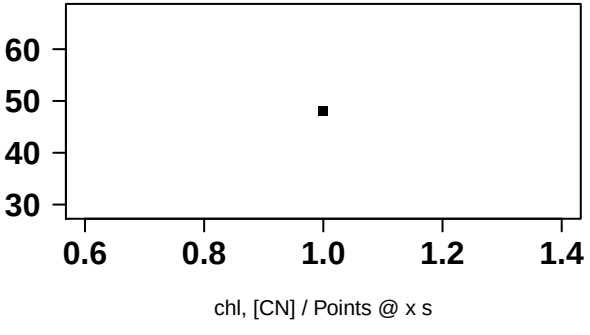
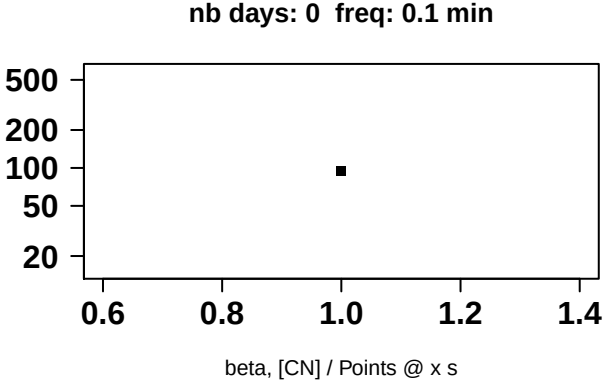
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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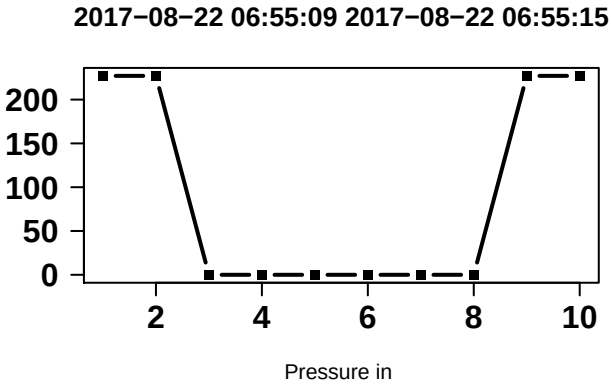
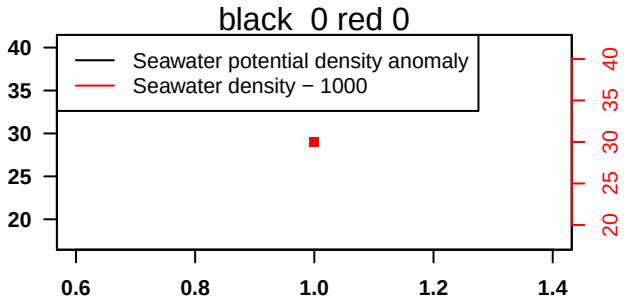
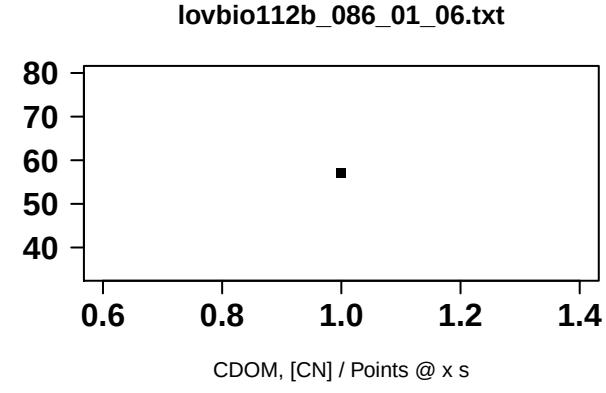
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−22 06:55:09 2017−08−22 06:55:15
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
20 25 30 35 40


lovbio112b_086_01_06.txt
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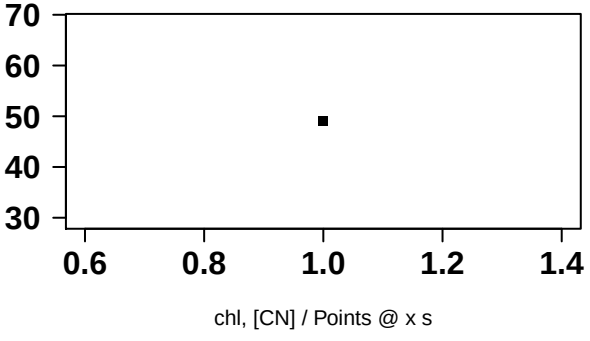
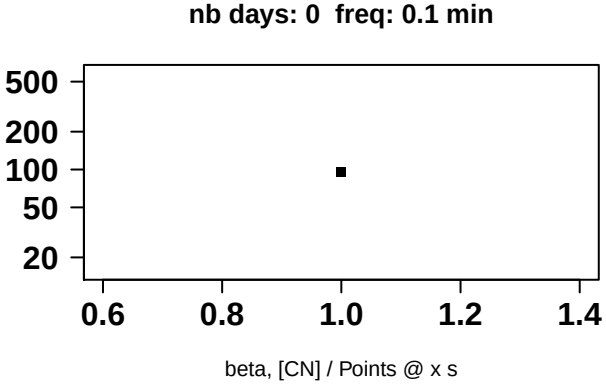
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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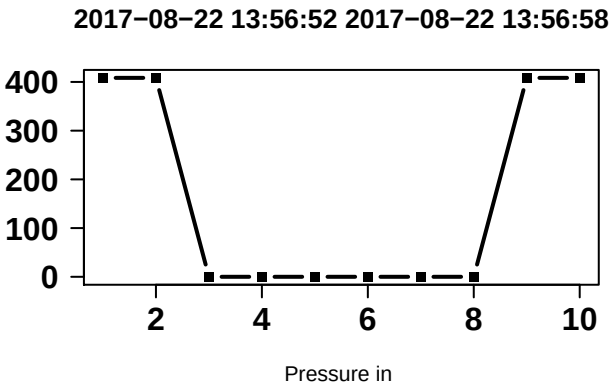
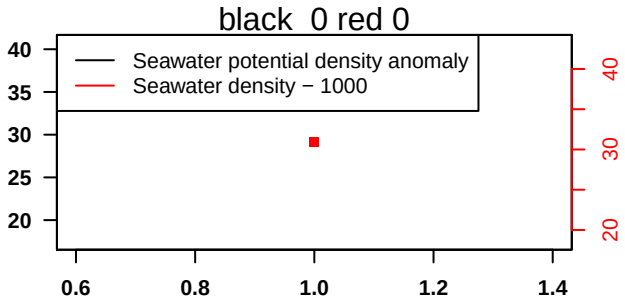
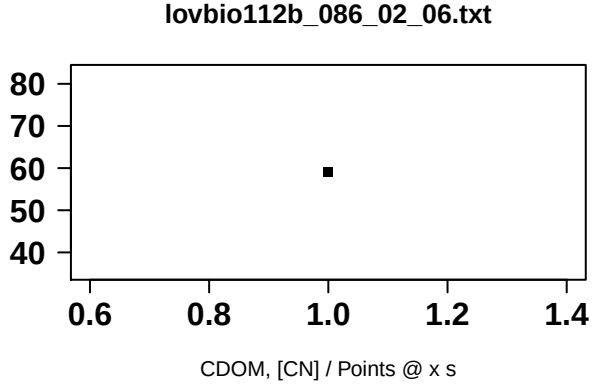
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−22 13:56:52 2017−08−22 13:56:58
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_086_02_06.txt
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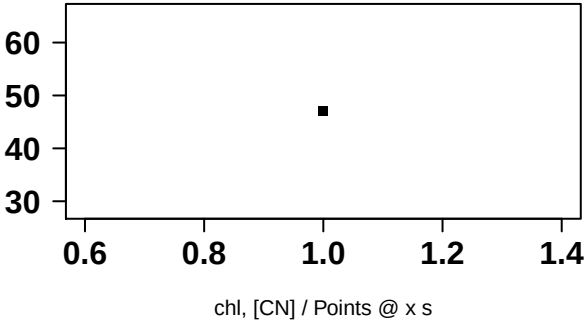
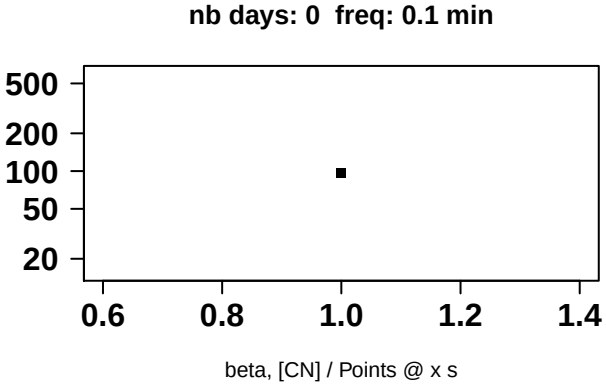
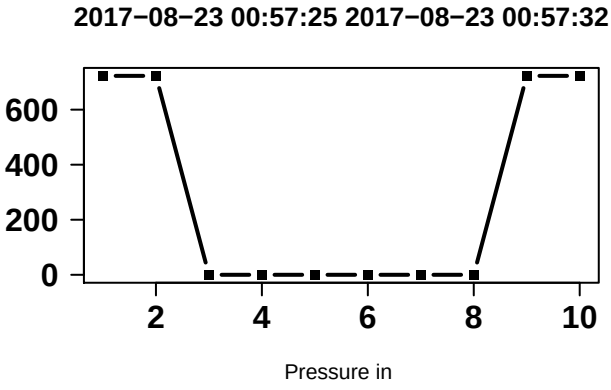
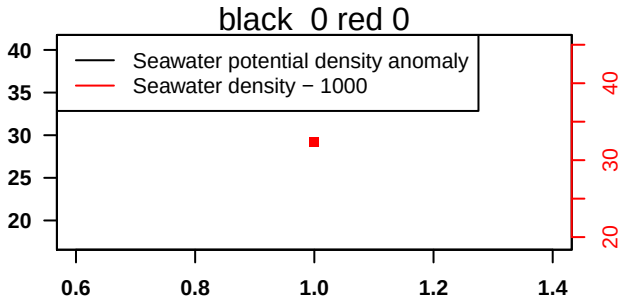
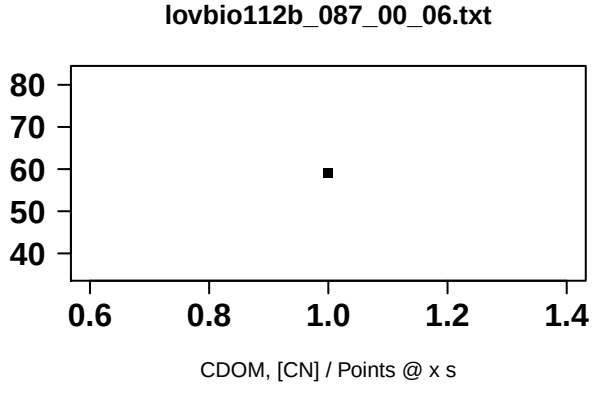
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

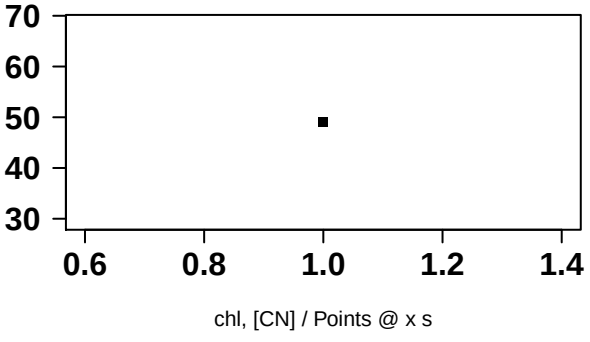

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−08−23 00:57:25 2017−08−23 00:57:32
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_087_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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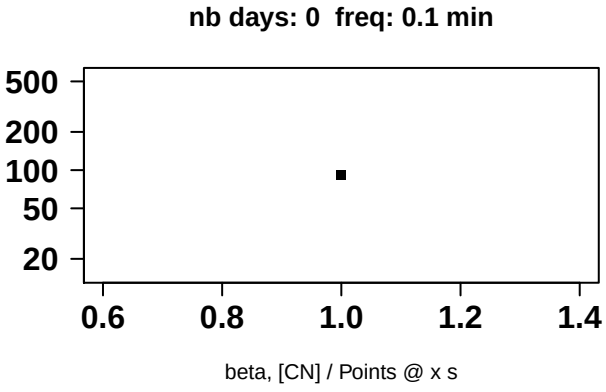
1.2
1.4
chl, [CN] / Points @ x s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1.2
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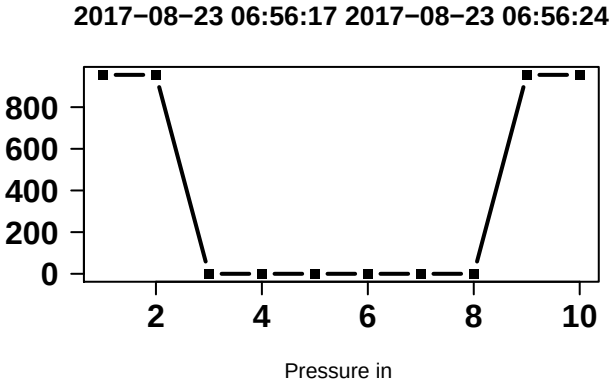
beta, [CN] / Points @ x s


2017−08−23 06:56:17 2017−08−23 06:56:24
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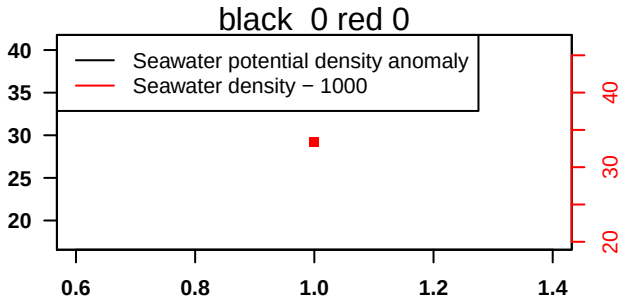
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
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1.0
1.2
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30
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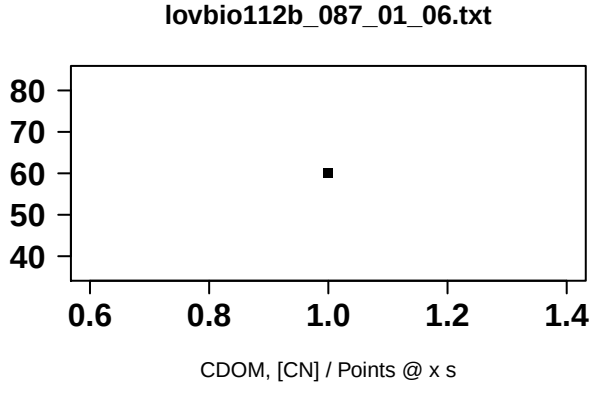
lovbio112b_087_01_06.txt
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1.2
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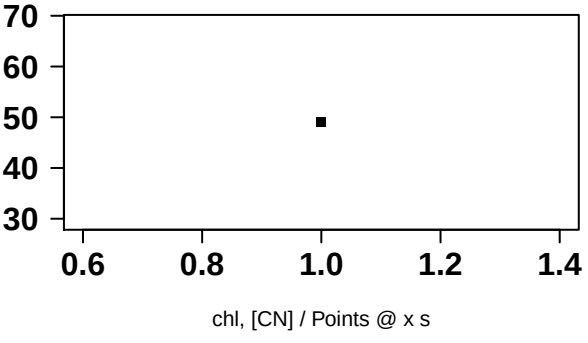
CDOM, [CN] / Points @ x s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1.2
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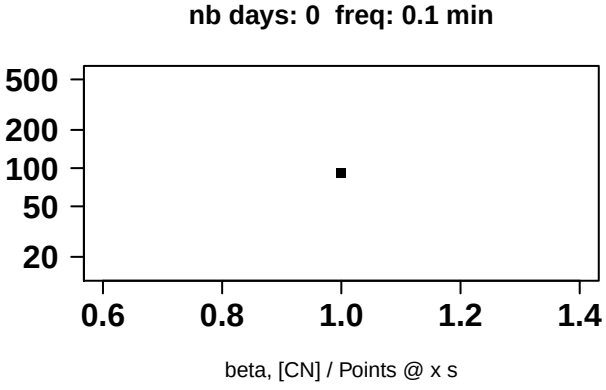
chl, [CN] / Points @ x s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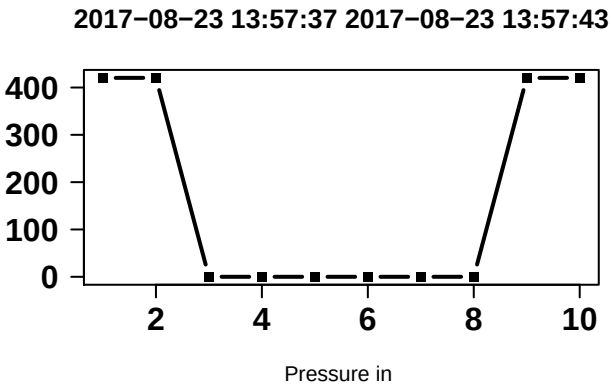
1.2
1.4
beta, [CN] / Points @ x s


2017−08−23 13:57:37 2017−08−23 13:57:43
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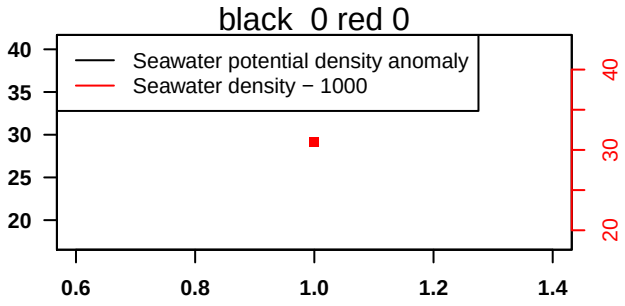
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
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0.6
0.8
1.0
1.2
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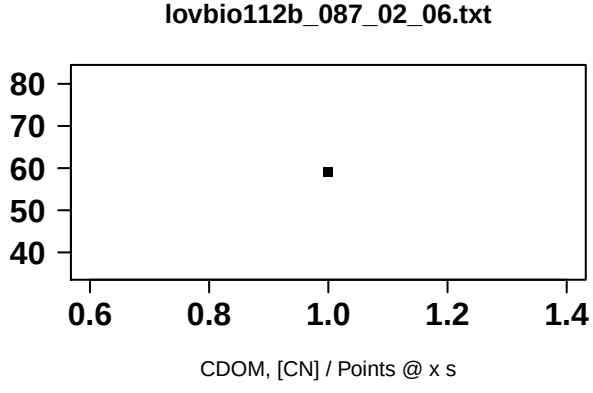
40
30
20


lovbio112b_087_02_06.txt
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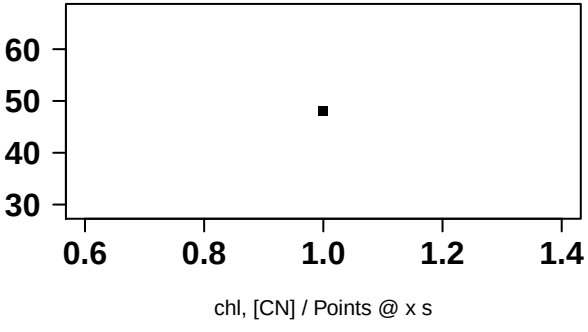
1.2
1.4
CDOM, [CN] / Points @ x s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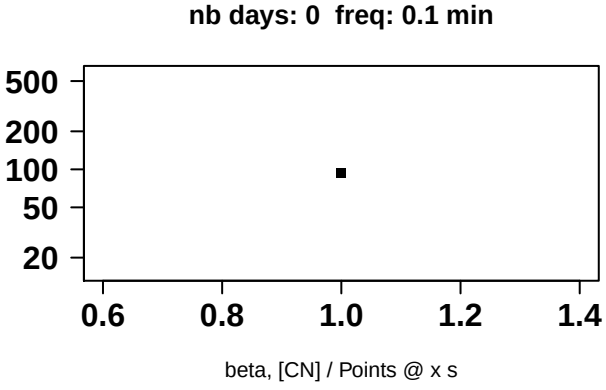
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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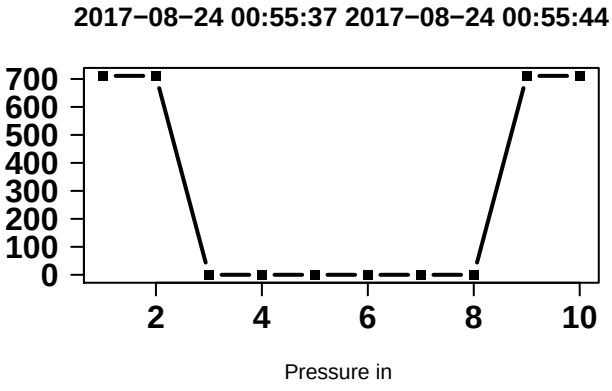
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−24 00:55:37 2017−08−24 00:55:44
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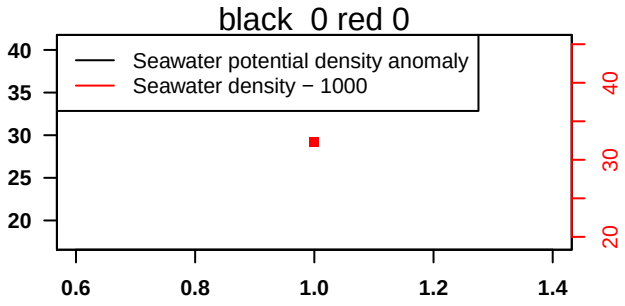
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
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35
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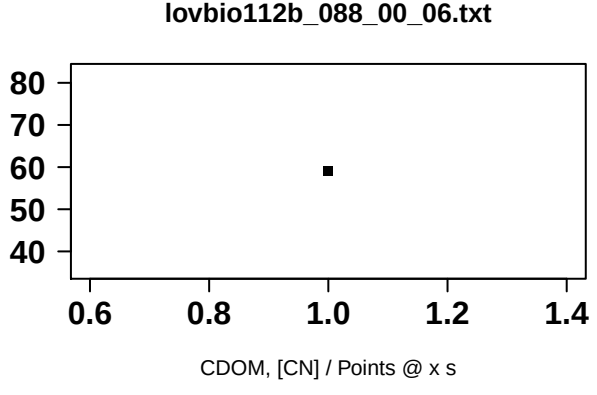
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_088_00_06.txt
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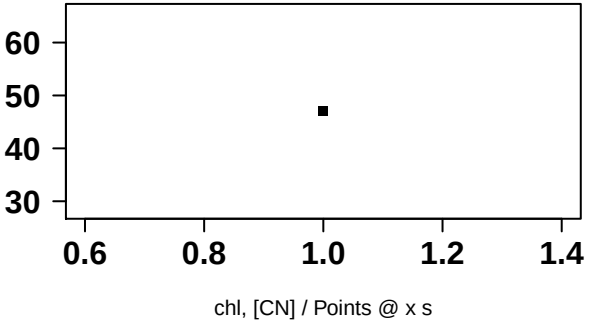
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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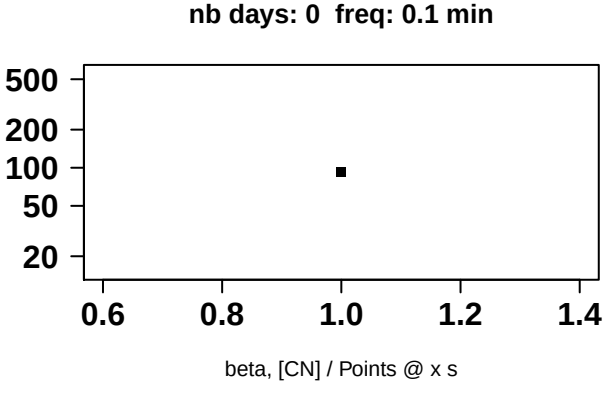
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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0.8
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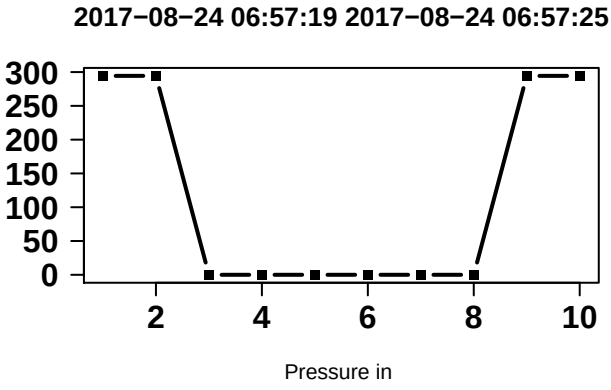
1.2
1.4
beta, [CN] / Points @ x s


2017−08−24 06:57:19 2017−08−24 06:57:25
300
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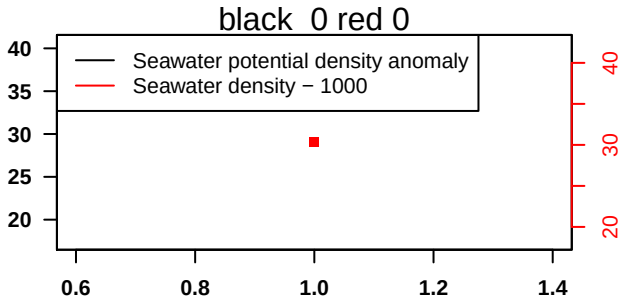
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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20
0.6
0.8
1.0
1.2
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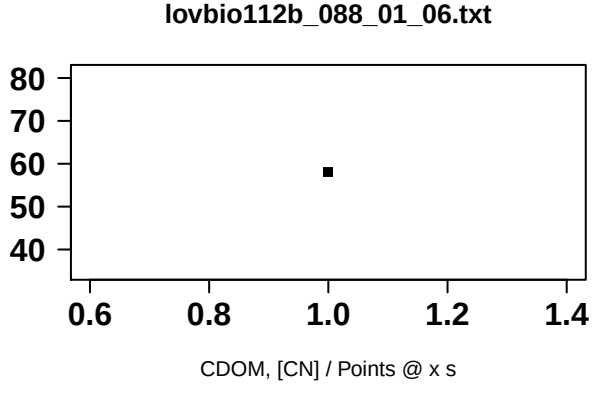
40
30
20


lovbio112b_088_01_06.txt
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0.6
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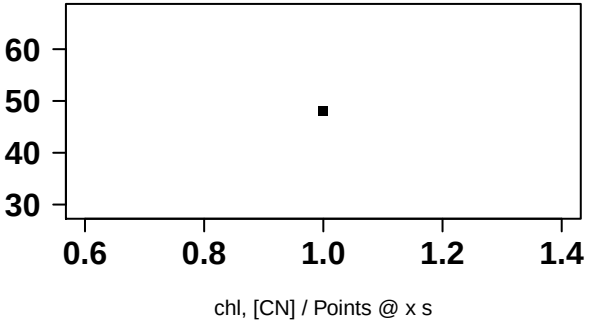
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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1.2
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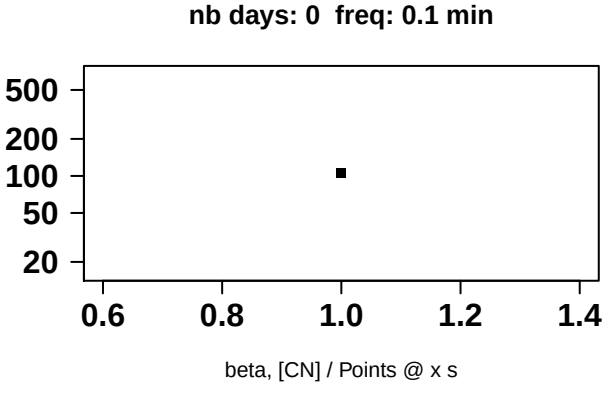
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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0.8
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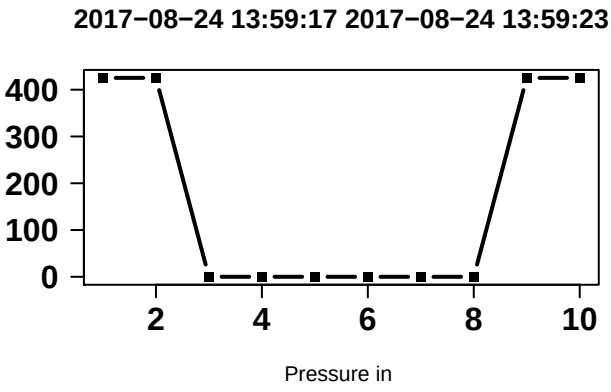
1.2
1.4
beta, [CN] / Points @ x s


2017−08−24 13:59:17 2017−08−24 13:59:23
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100
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2
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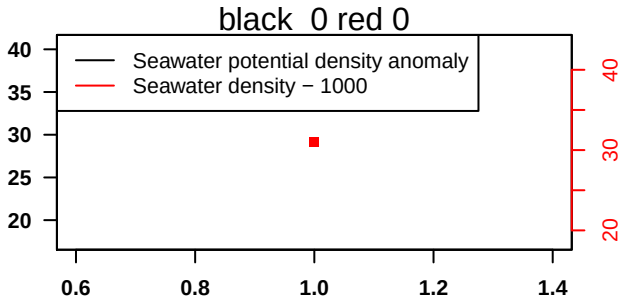
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
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25
20
0.6
0.8
1.0
1.2
1.4
40
30
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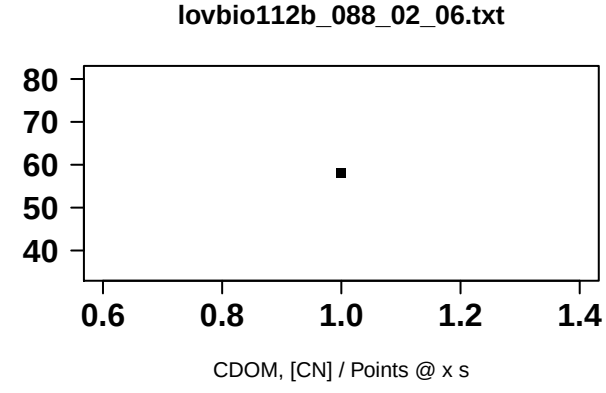
lovbio112b_088_02_06.txt
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0.8
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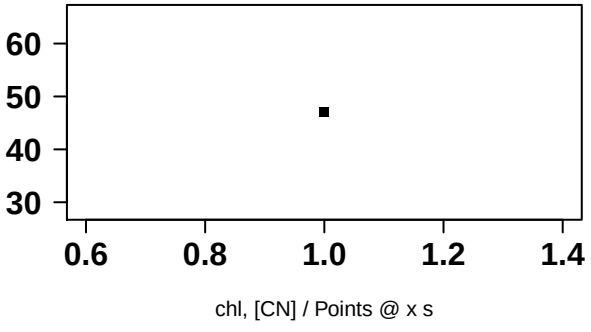
1.2
1.4
CDOM, [CN] / Points @ x s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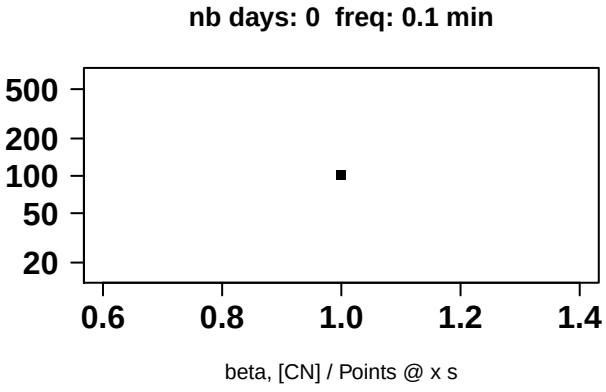
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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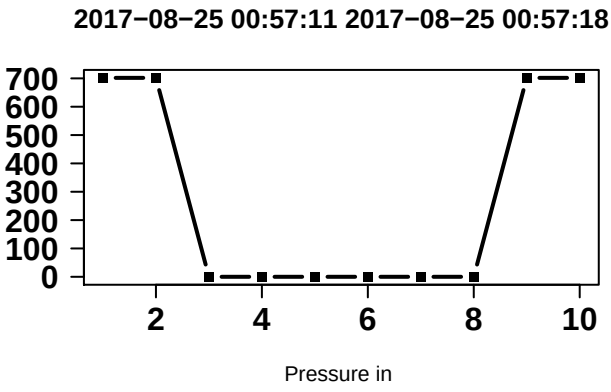
1.2
1.4
beta, [CN] / Points @ x s


2017−08−25 00:57:11 2017−08−25 00:57:18
700
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2
4
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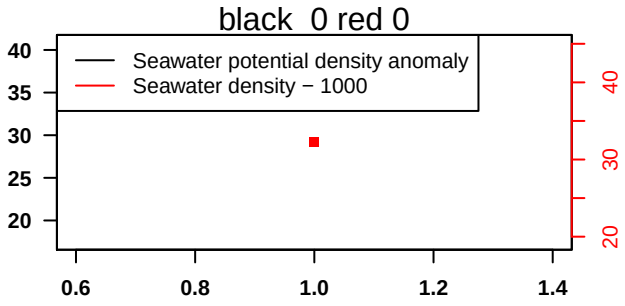
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
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25
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0.6
0.8
1.0
1.2
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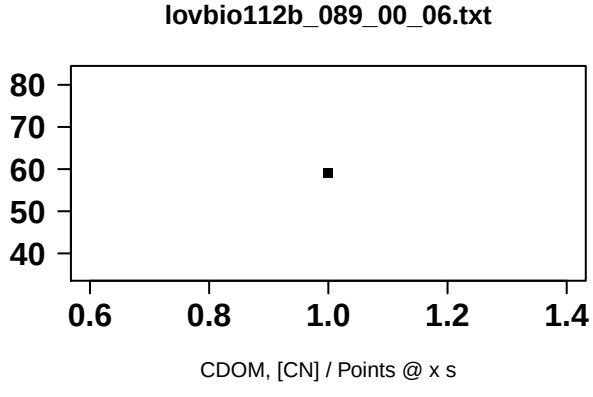
40
30
20


lovbio112b_089_00_06.txt
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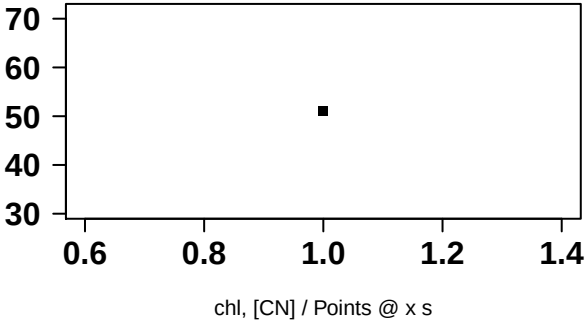
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.8
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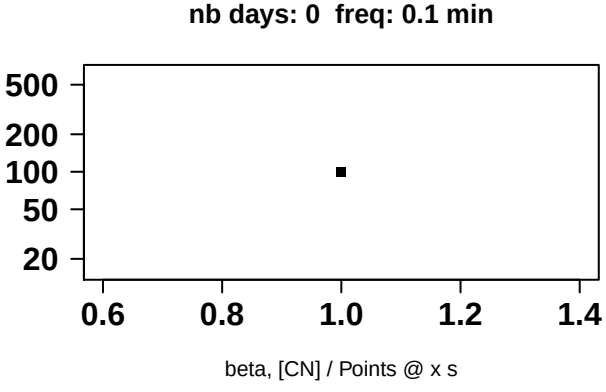
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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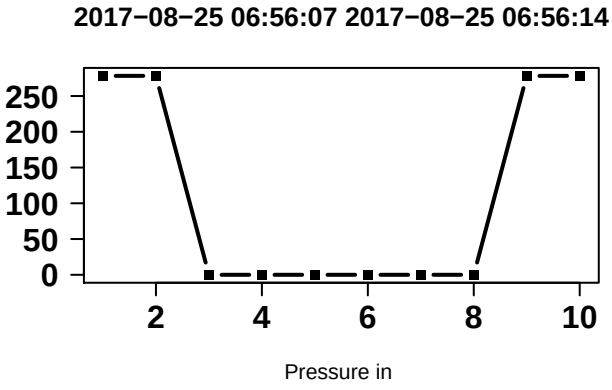
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−25 06:56:07 2017−08−25 06:56:14
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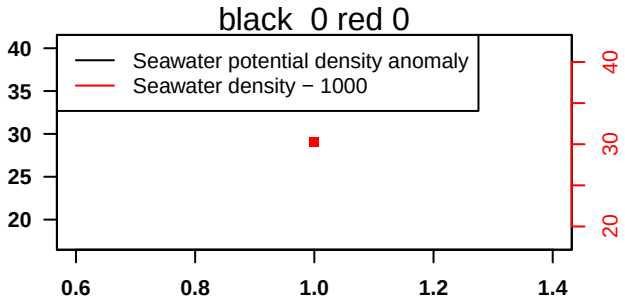
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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20
0.6
0.8
1.0
1.2
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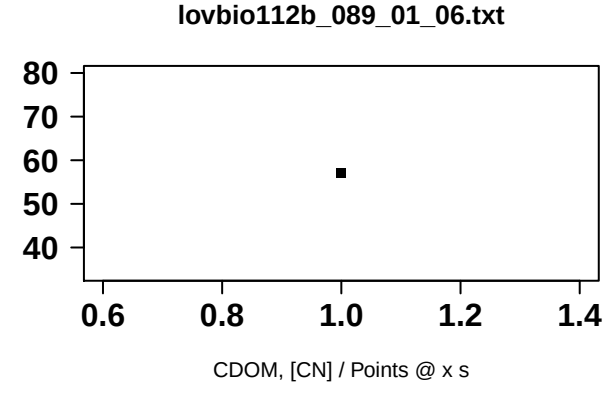
40
30
20


lovbio112b_089_01_06.txt
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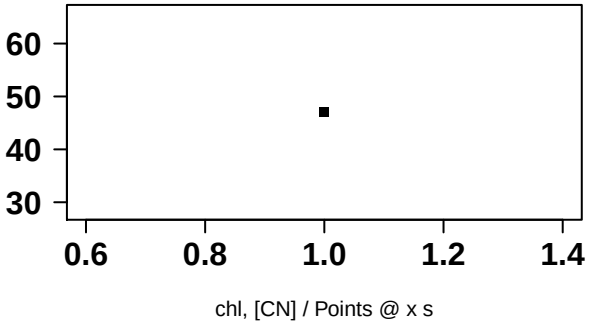
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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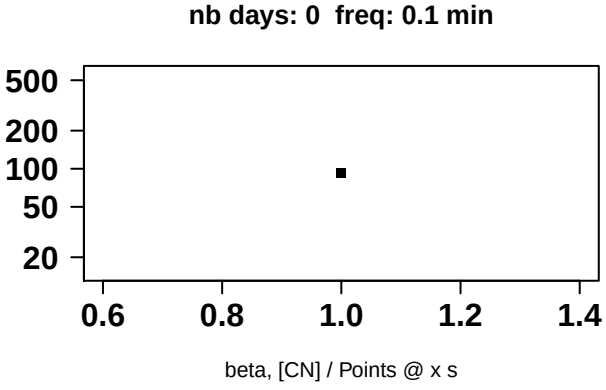
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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50
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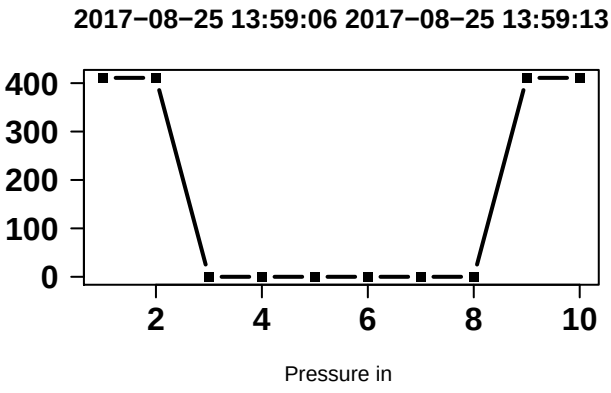
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−25 13:59:06 2017−08−25 13:59:13
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0
2
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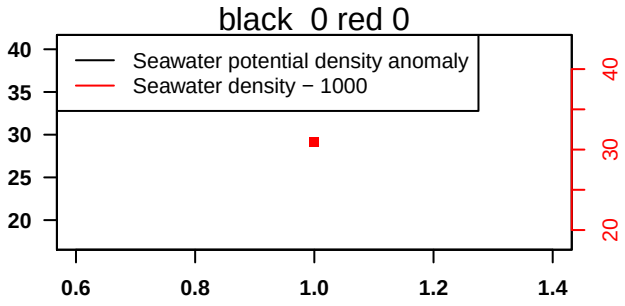
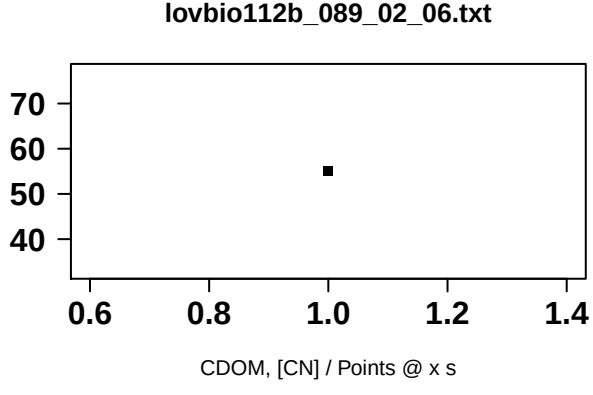
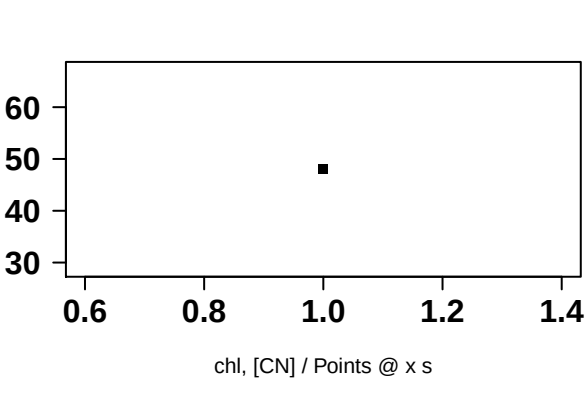
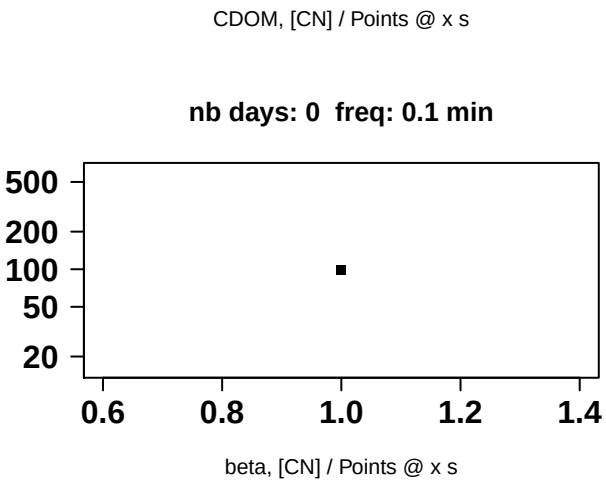
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_089_02_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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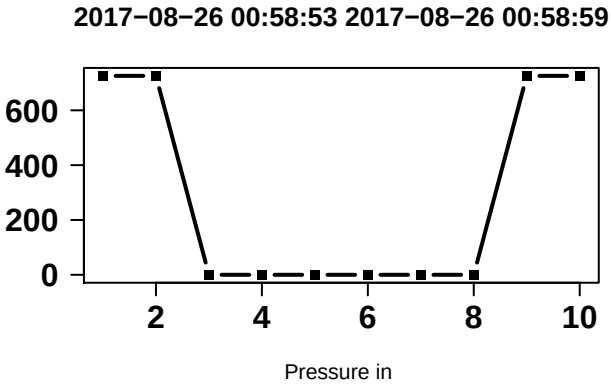
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−26 00:58:53 2017−08−26 00:58:59
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0
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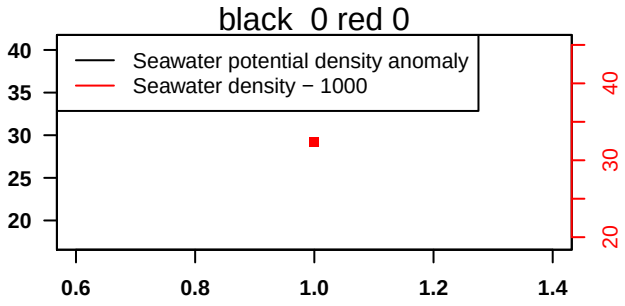
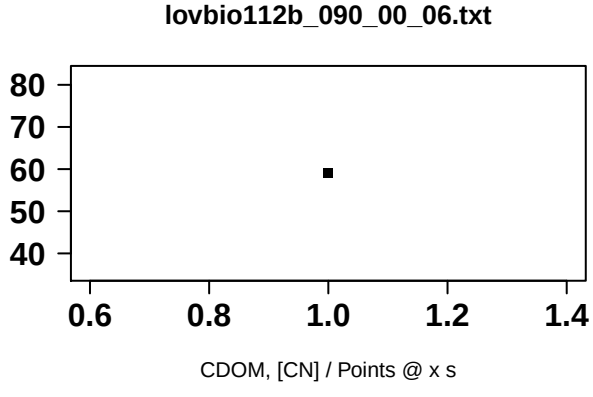
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_090_00_06.txt
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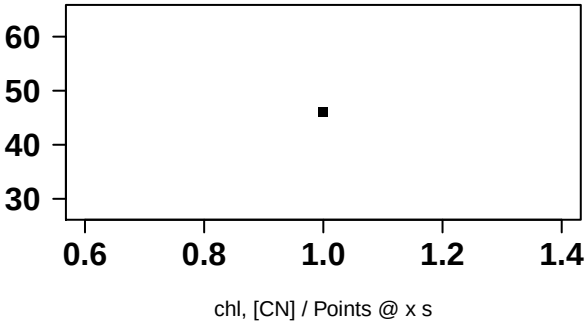
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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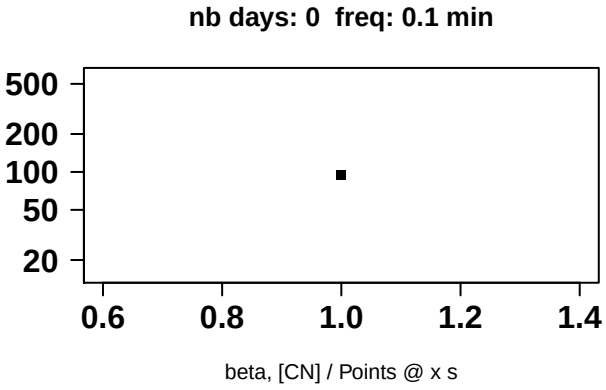
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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0.8
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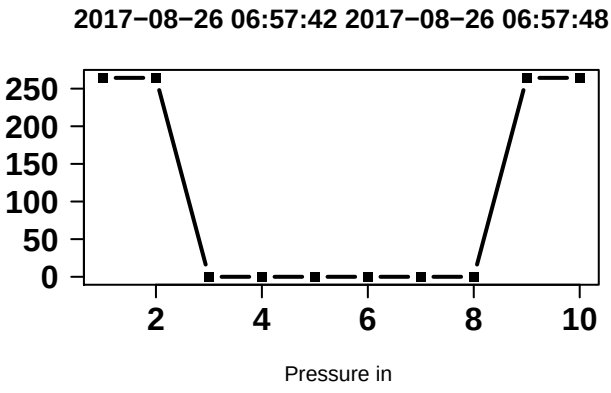
1.2
1.4
beta, [CN] / Points @ x s


2017−08−26 06:57:42 2017−08−26 06:57:48
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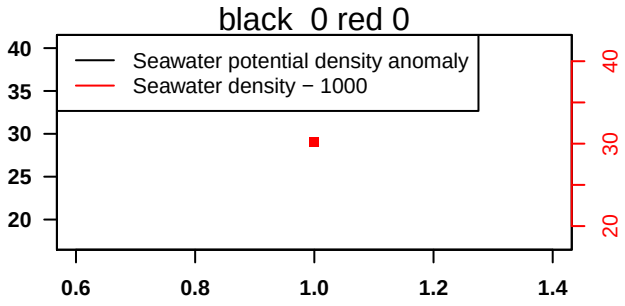
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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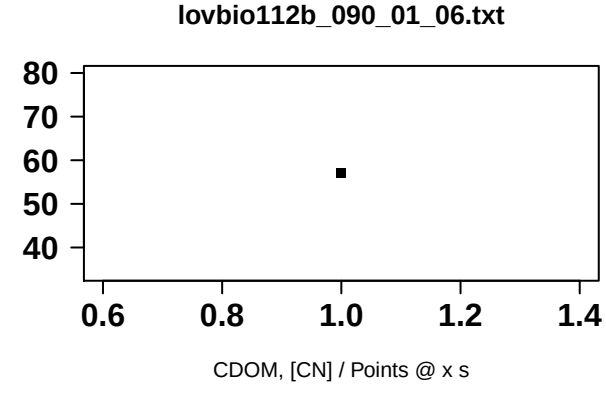
40
30
20


lovbio112b_090_01_06.txt
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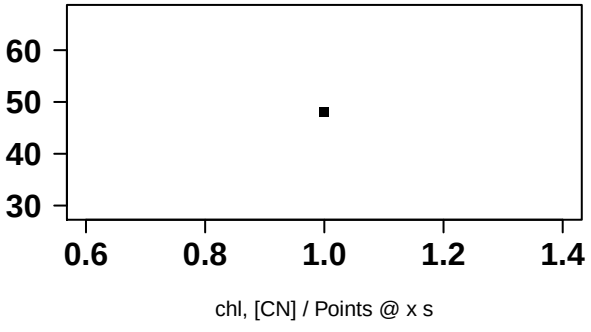
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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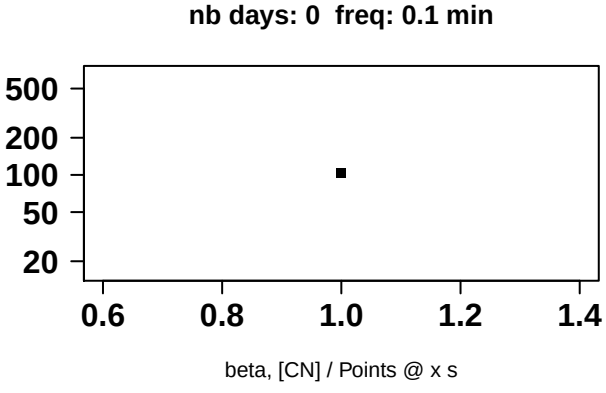
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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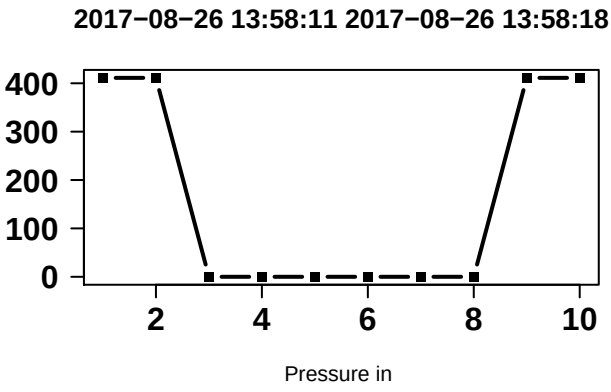
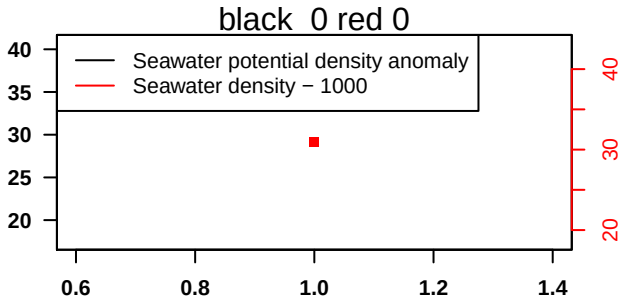
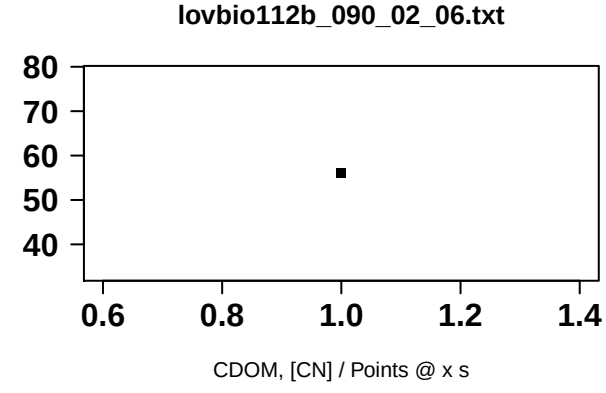
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−26 13:58:11 2017−08−26 13:58:18
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_090_02_06.txt
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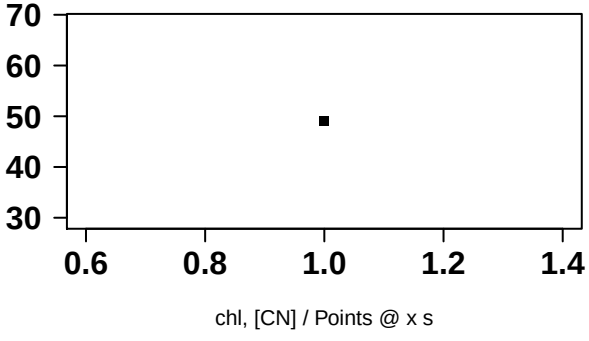
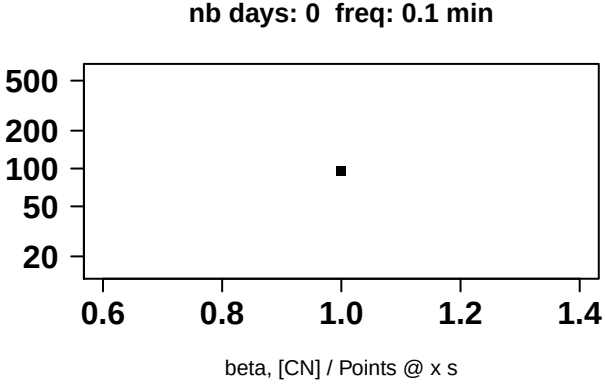
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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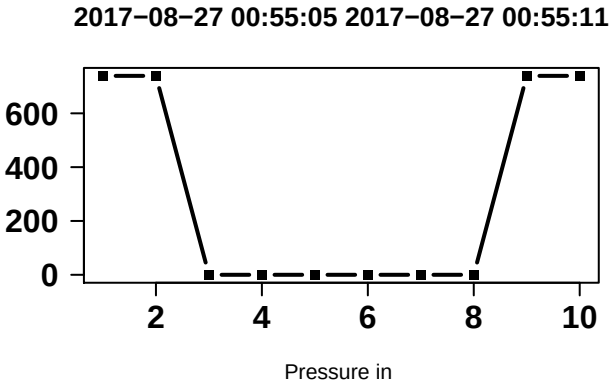
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−27 00:55:05 2017−08−27 00:55:11
600
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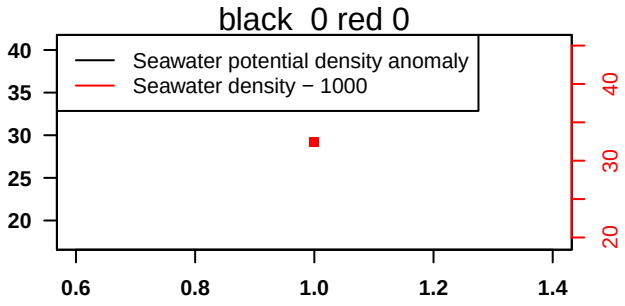
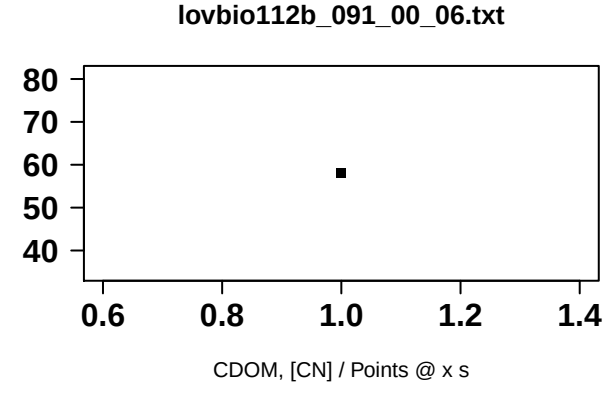
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_091_00_06.txt
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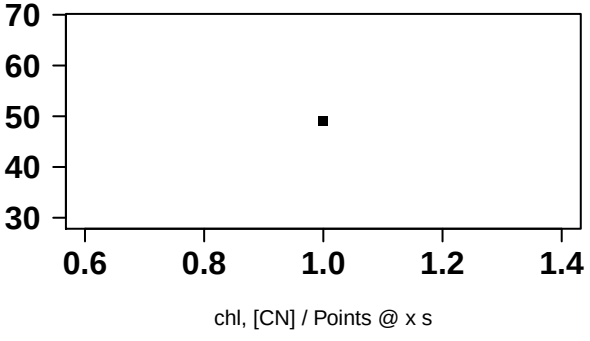
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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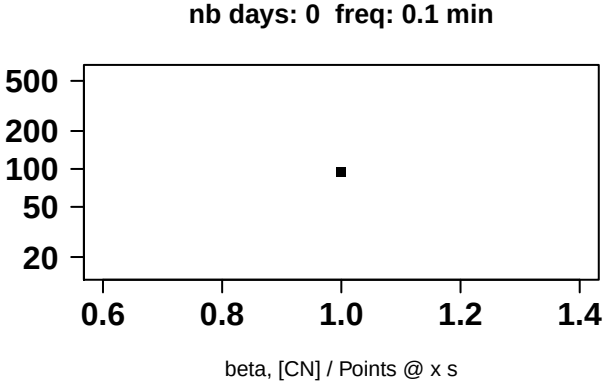
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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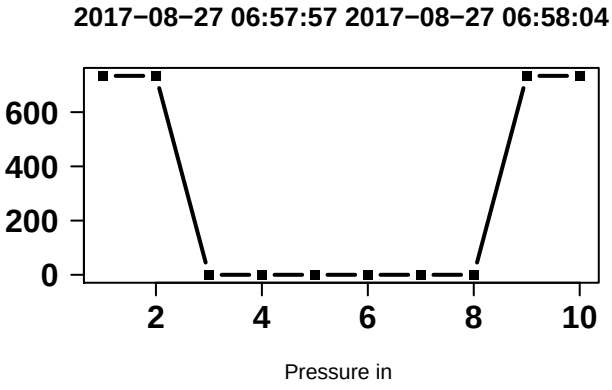
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−27 06:57:57 2017−08−27 06:58:04
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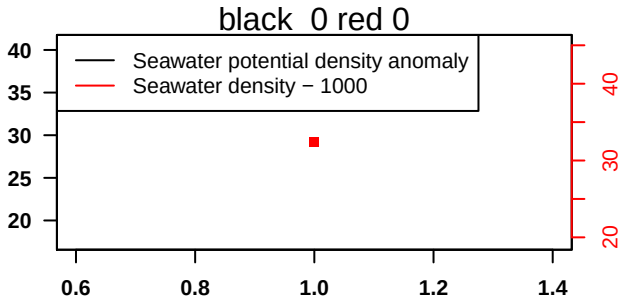
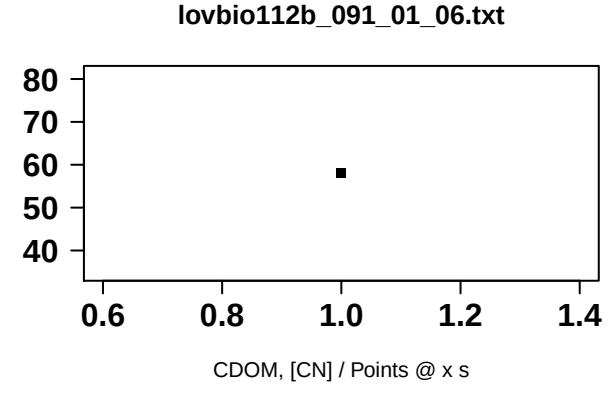
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_091_01_06.txt
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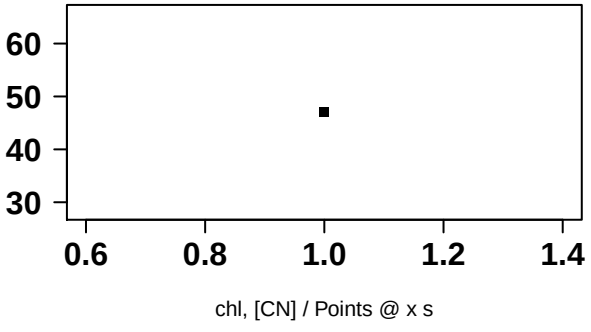
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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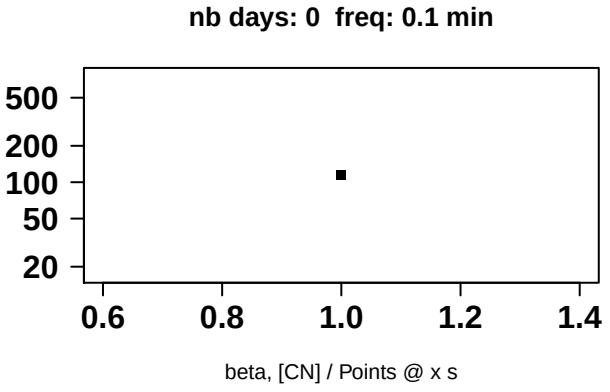
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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100
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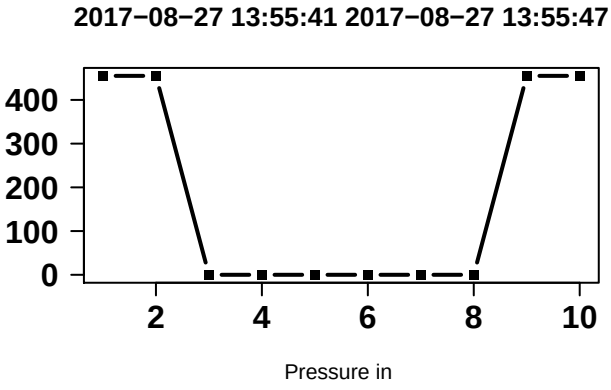
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−27 13:55:41 2017−08−27 13:55:47
400
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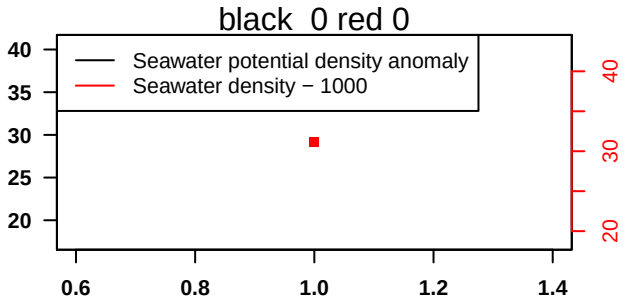
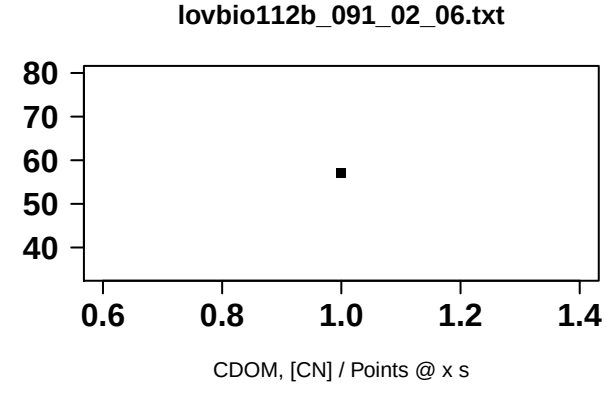
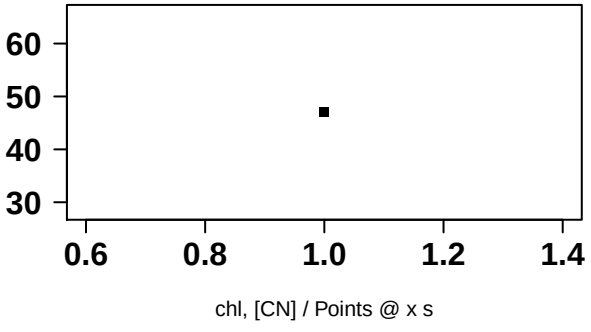
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_091_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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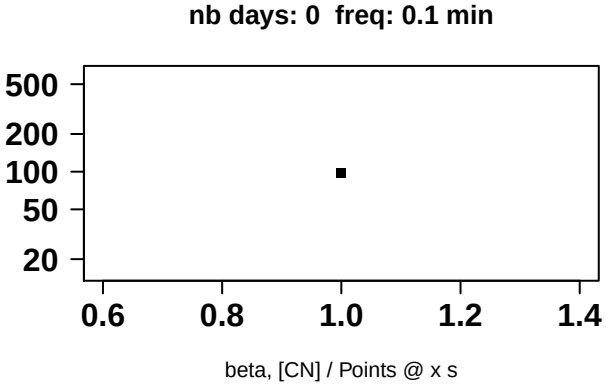
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
50
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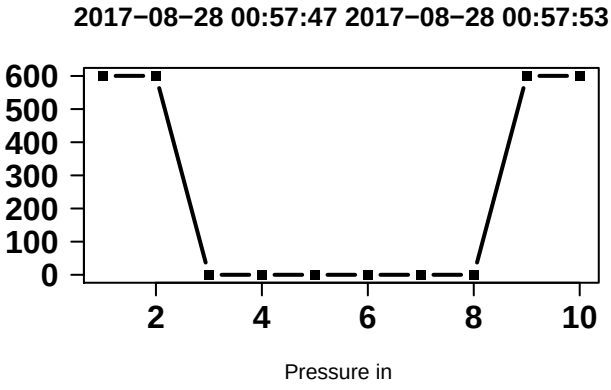
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−28 00:57:47 2017−08−28 00:57:53
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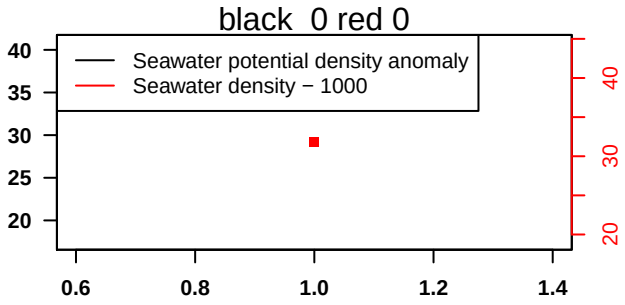
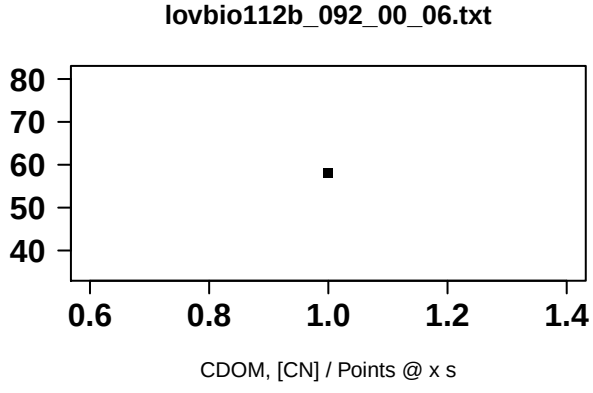
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_092_00_06.txt
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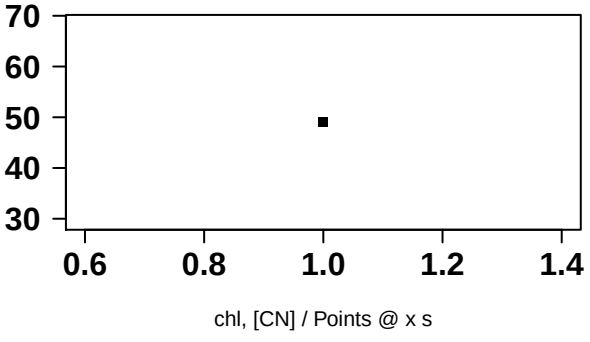
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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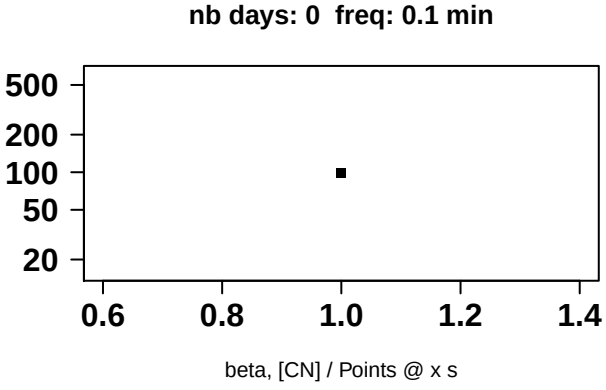
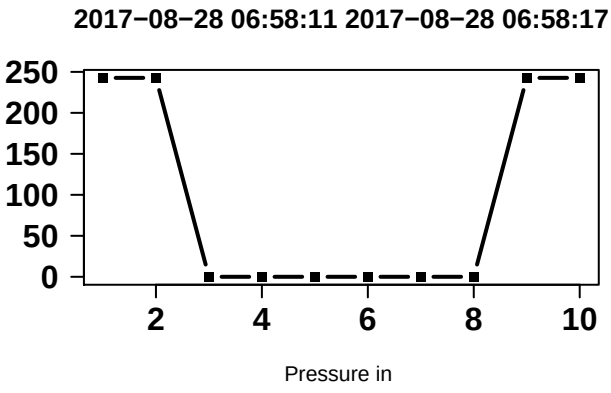
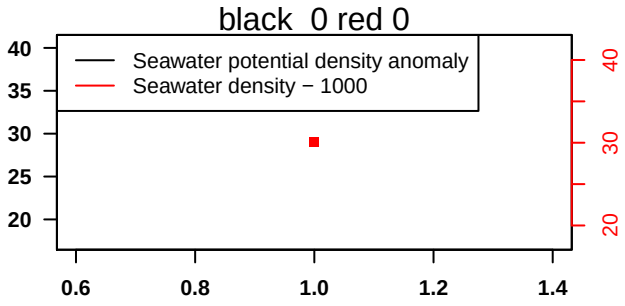
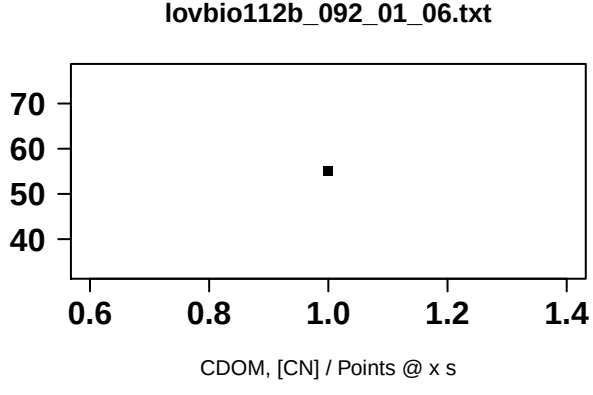
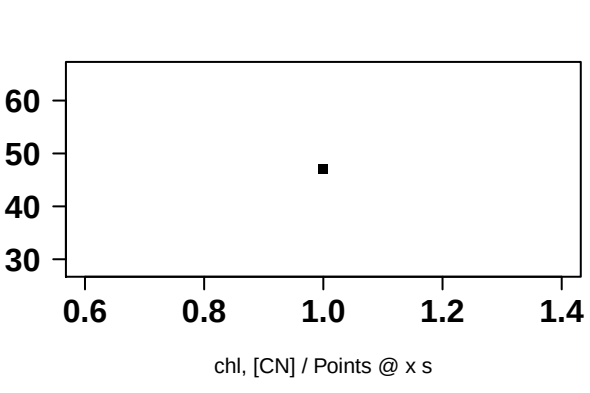
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

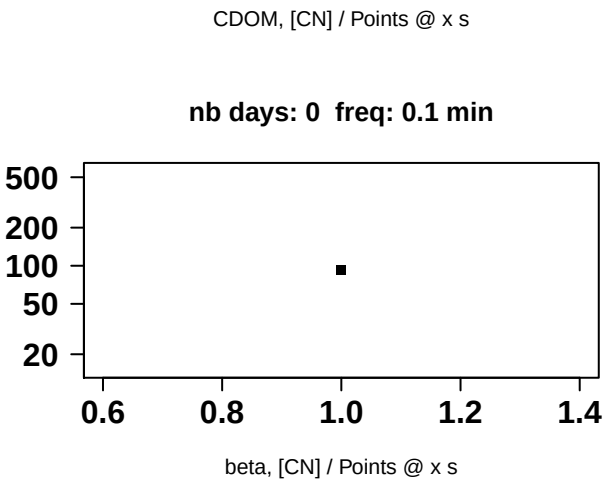

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−28 06:58:11 2017−08−28 06:58:17
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_092_01_06.txt
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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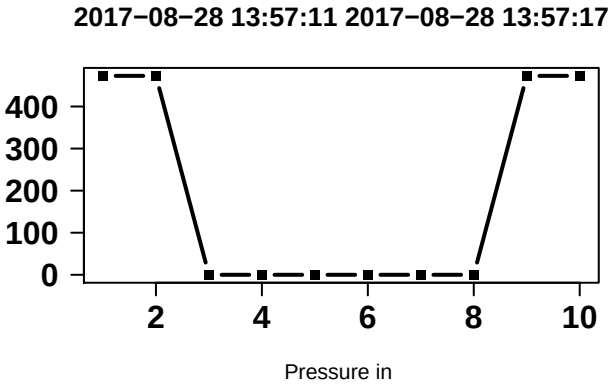
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−28 13:57:11 2017−08−28 13:57:17
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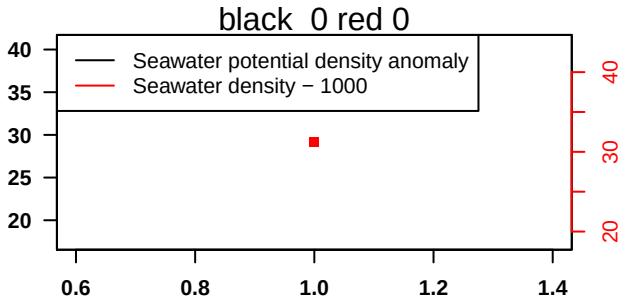
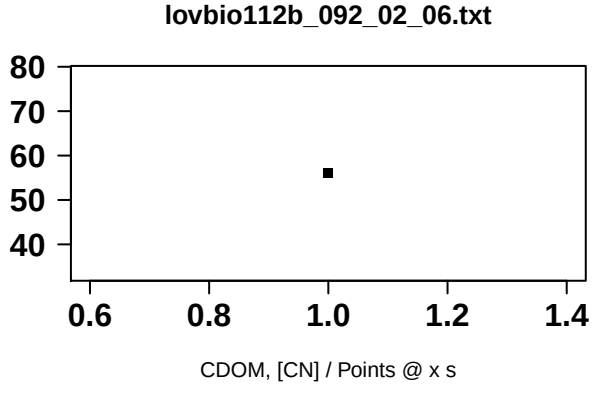
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_092_02_06.txt
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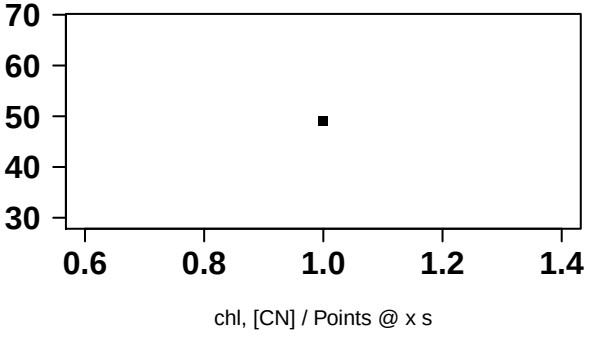
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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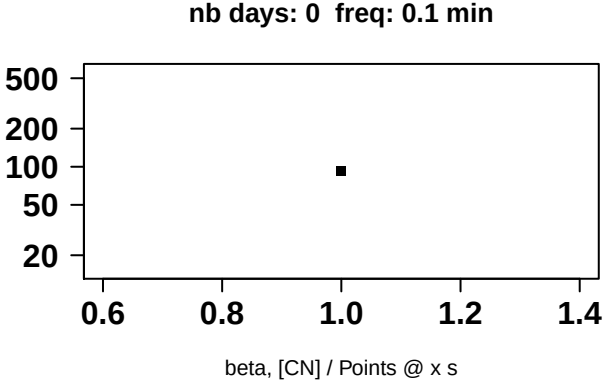
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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0.8
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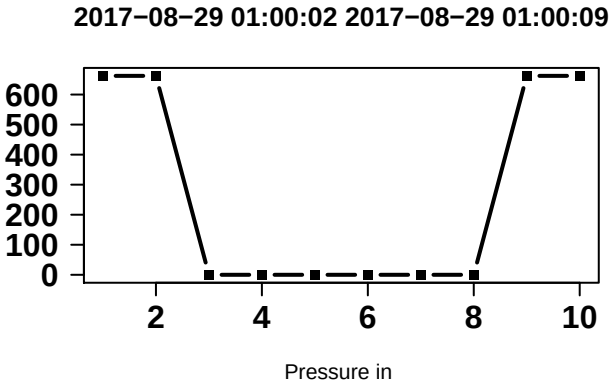
1.2
1.4
beta, [CN] / Points @ x s


2017−08−29 01:00:02 2017−08−29 01:00:09
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300
200
100
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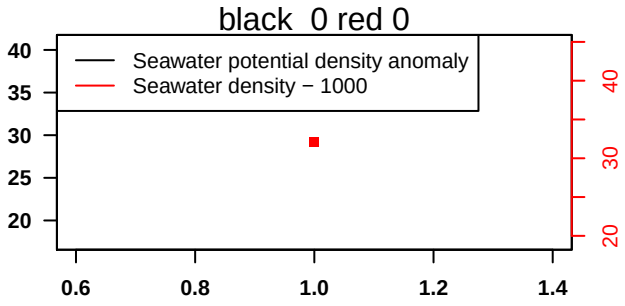
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
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25
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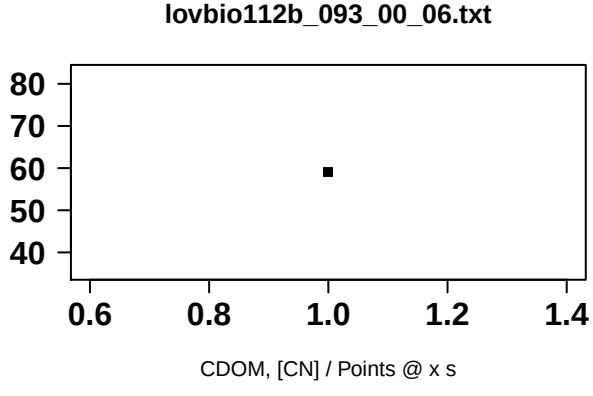
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_093_00_06.txt
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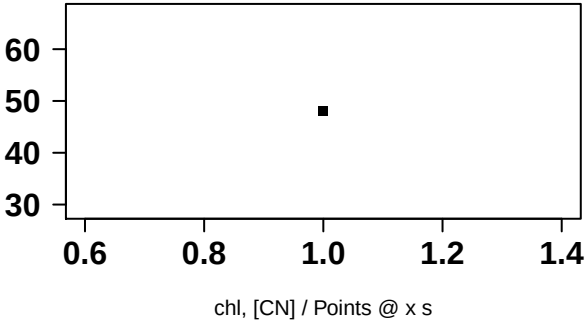
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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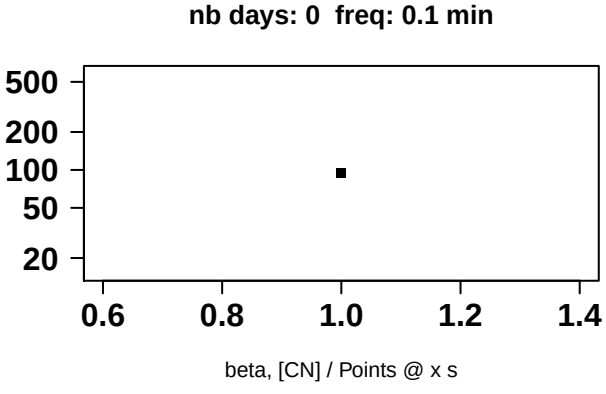
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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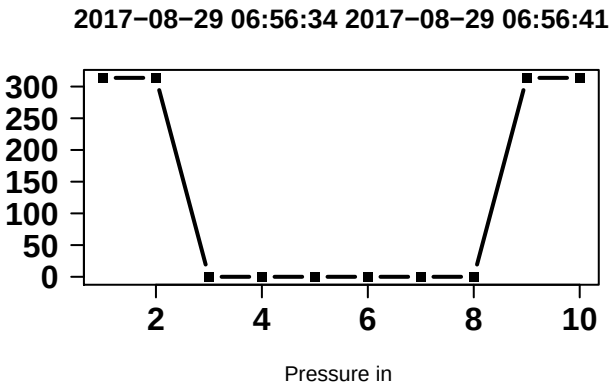
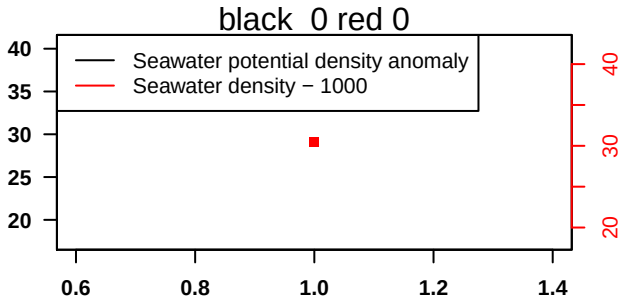
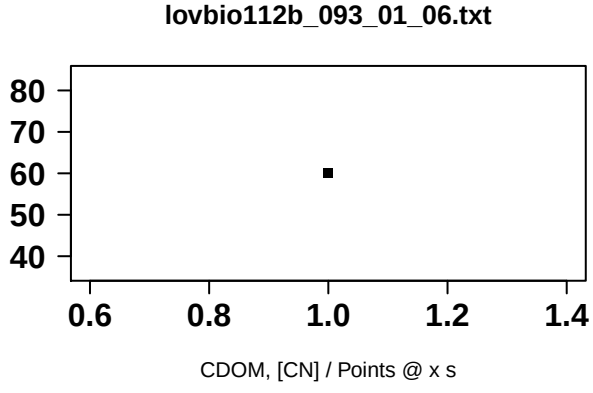
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−29 06:56:34 2017−08−29 06:56:41
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_093_01_06.txt
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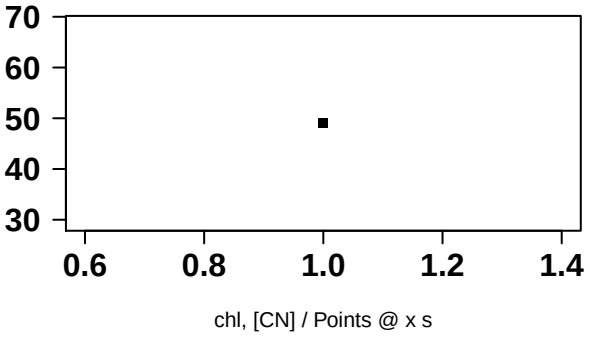
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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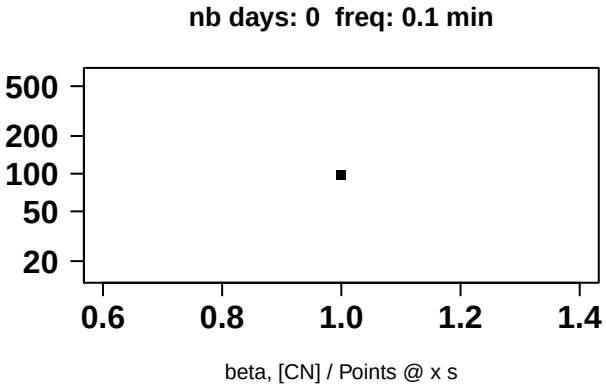
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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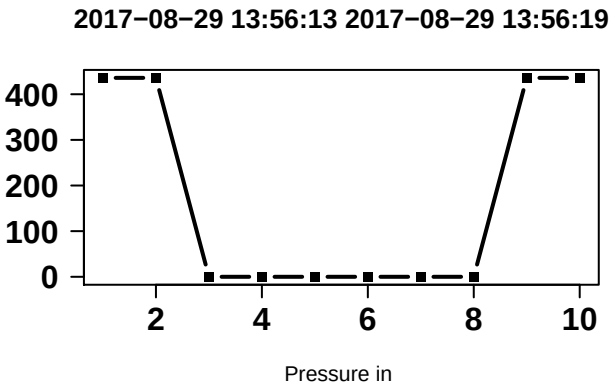
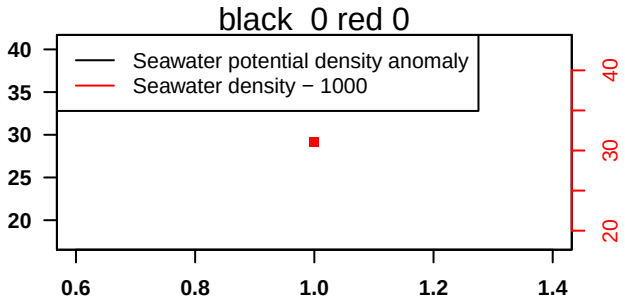
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−29 13:56:13 2017−08−29 13:56:19
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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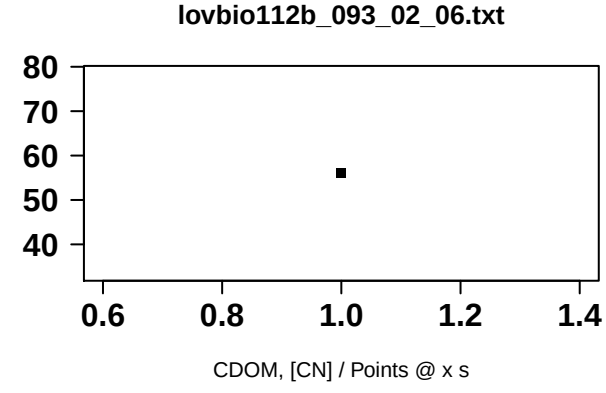
40
30
20


lovbio112b_093_02_06.txt
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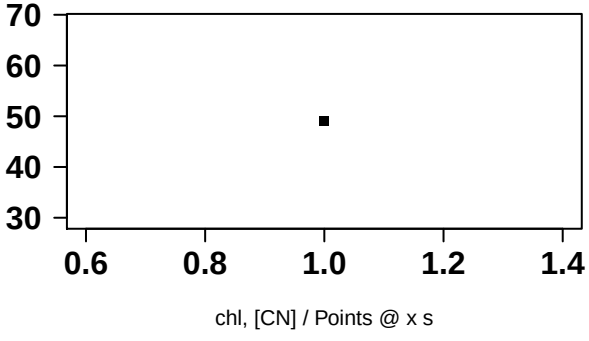
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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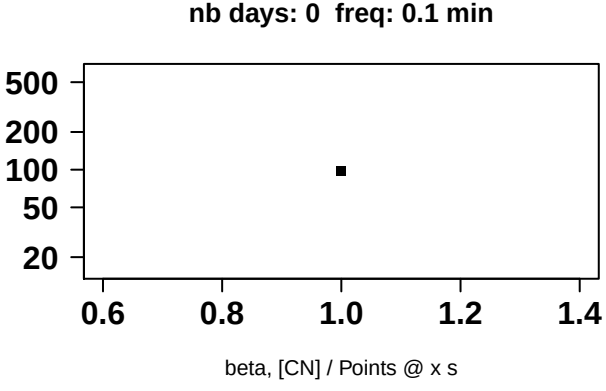
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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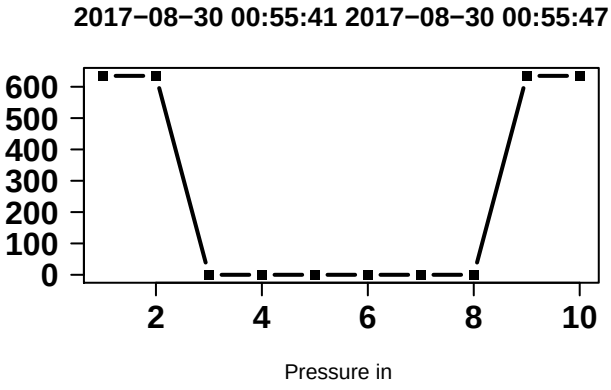
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−30 00:55:41 2017−08−30 00:55:47
600
500
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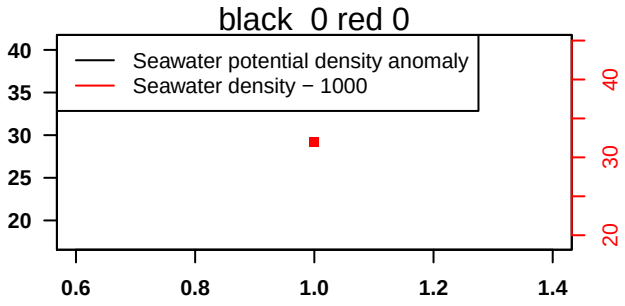
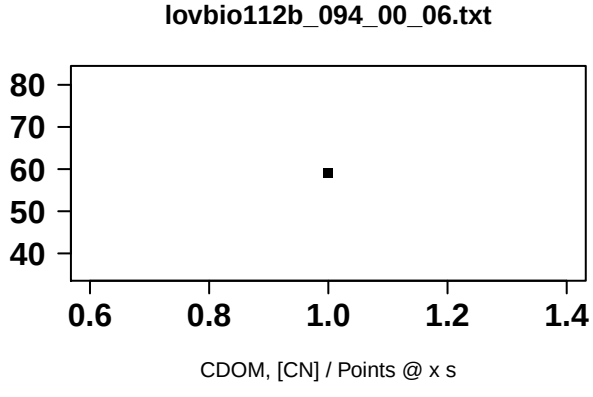
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_094_00_06.txt
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50
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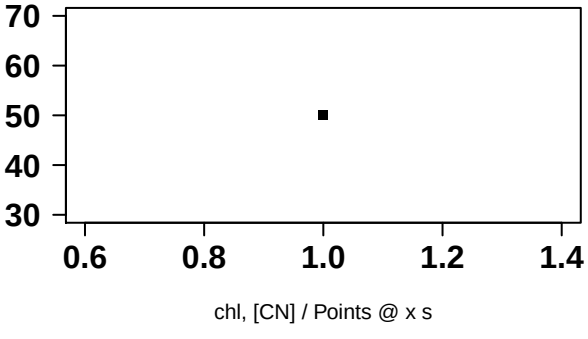
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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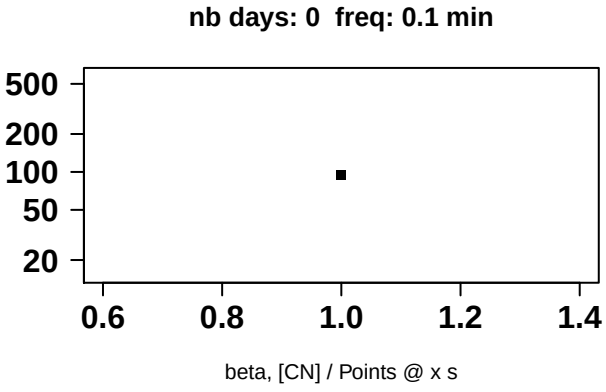
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
50
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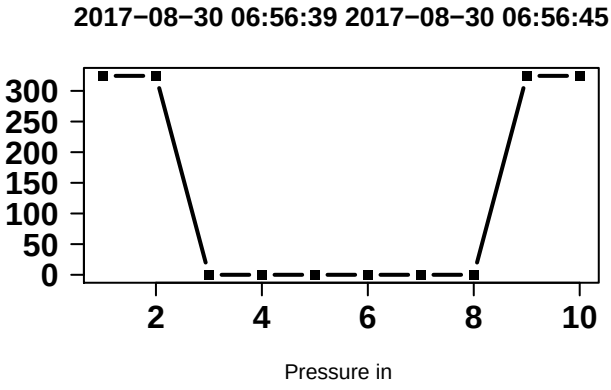
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−30 06:56:39 2017−08−30 06:56:45
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250
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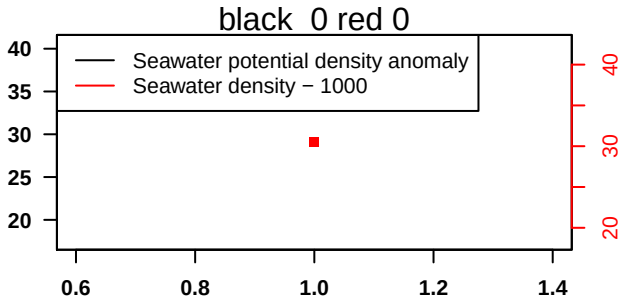
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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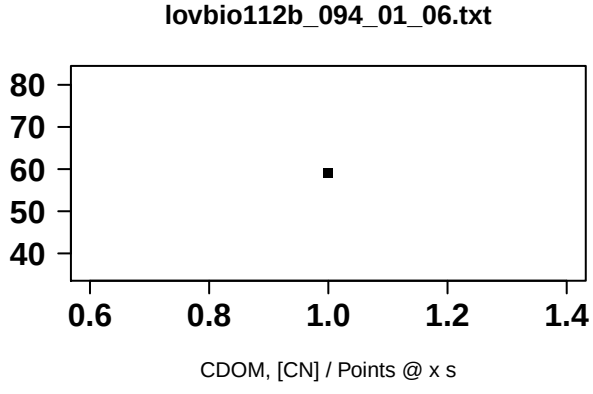
40
30
20


lovbio112b_094_01_06.txt
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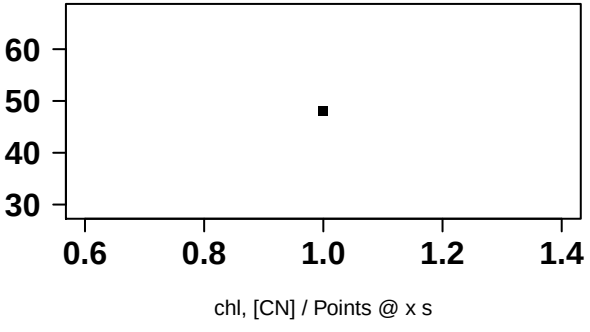
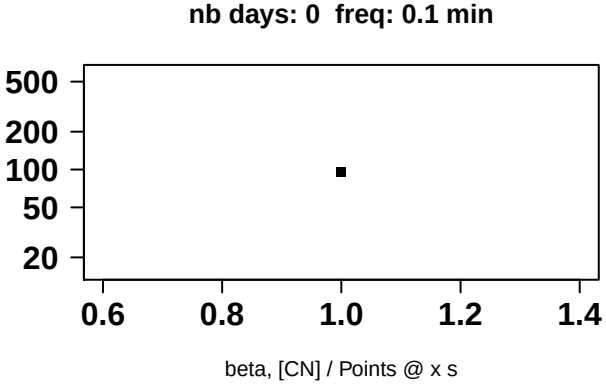
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
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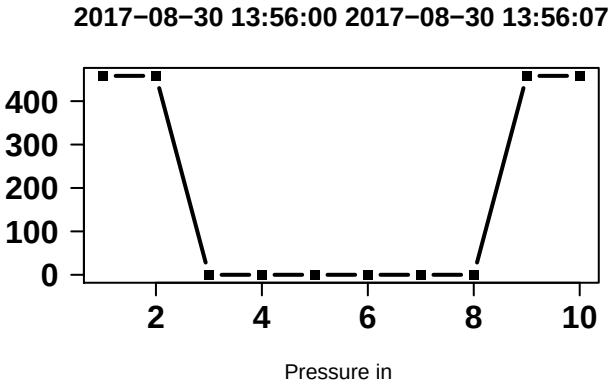
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−30 13:56:00 2017−08−30 13:56:07
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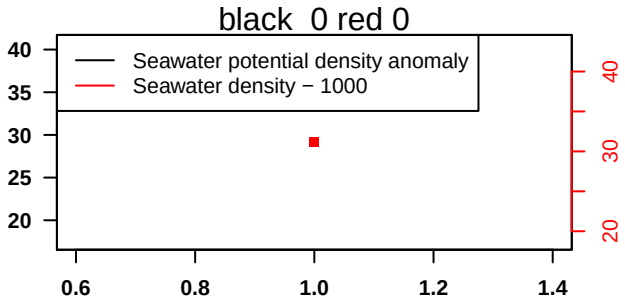
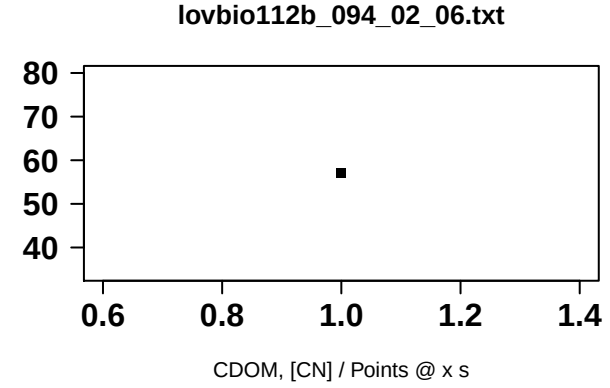
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_094_02_06.txt
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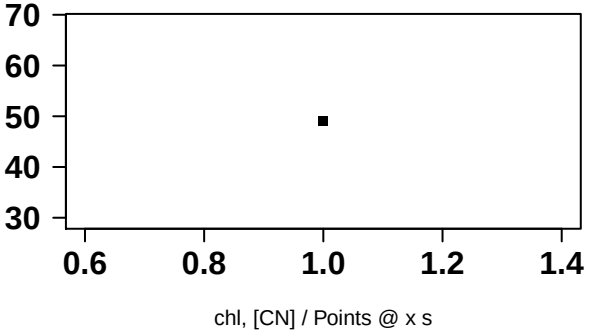
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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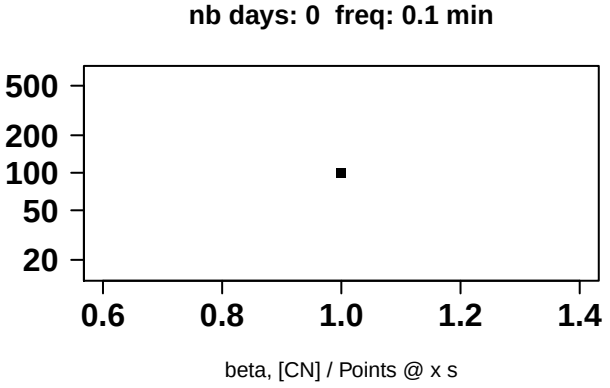
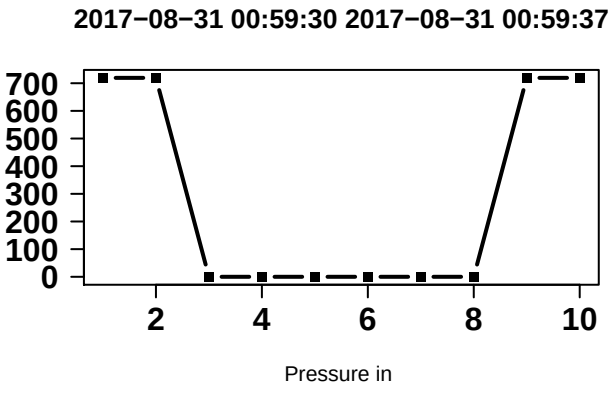
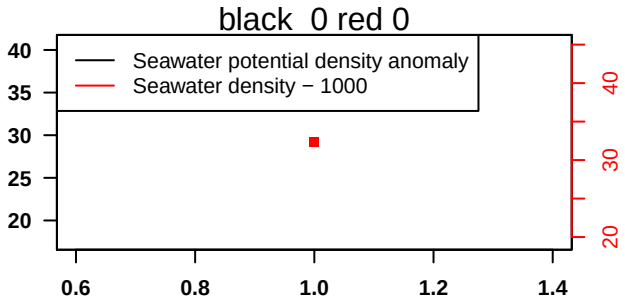
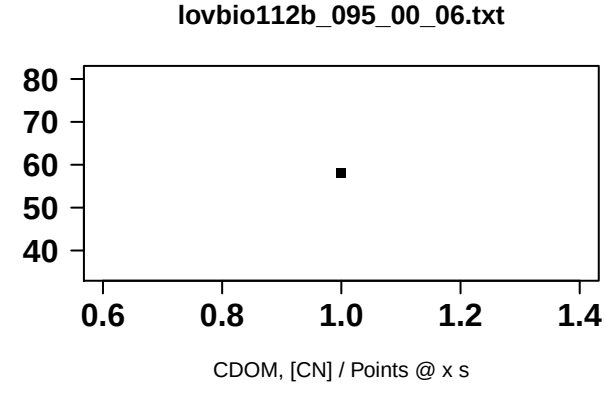
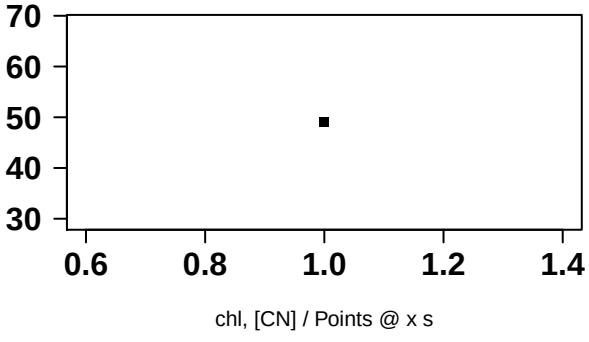
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

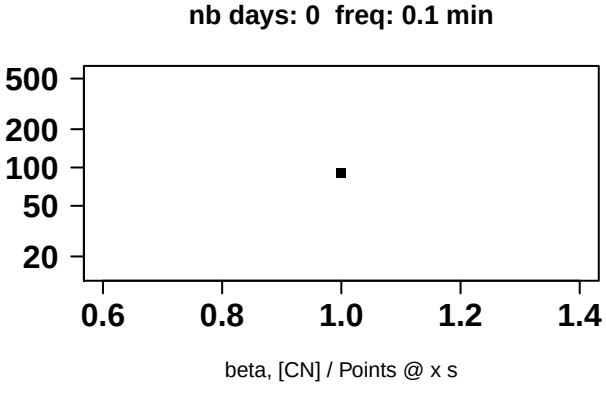

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−31 00:59:30 2017−08−31 00:59:37
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_095_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
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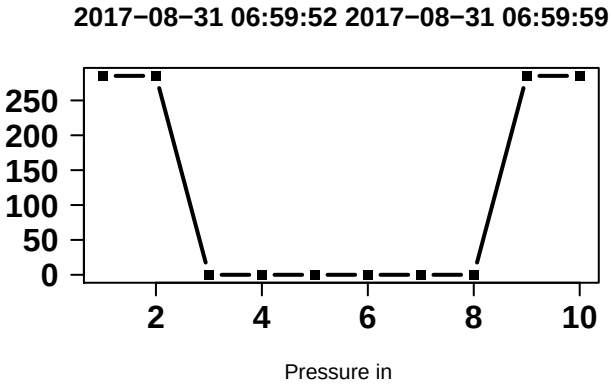
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−31 06:59:52 2017−08−31 06:59:59
250
200
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0
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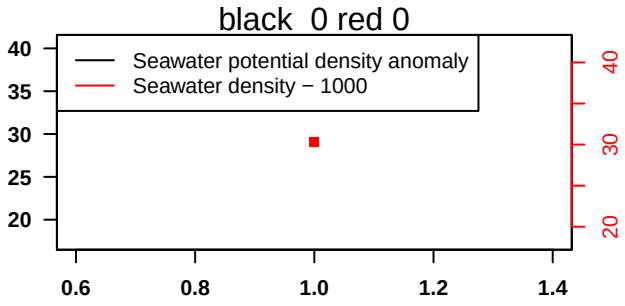
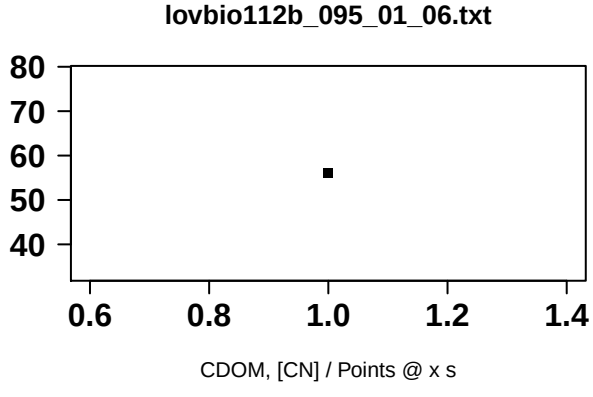
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_095_01_06.txt
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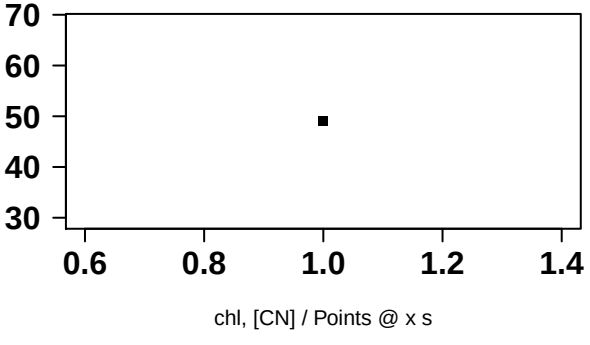
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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60
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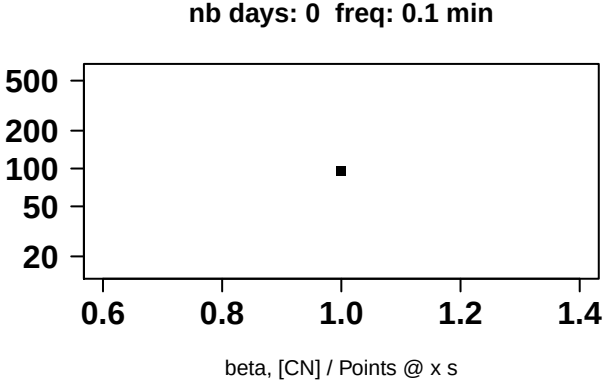
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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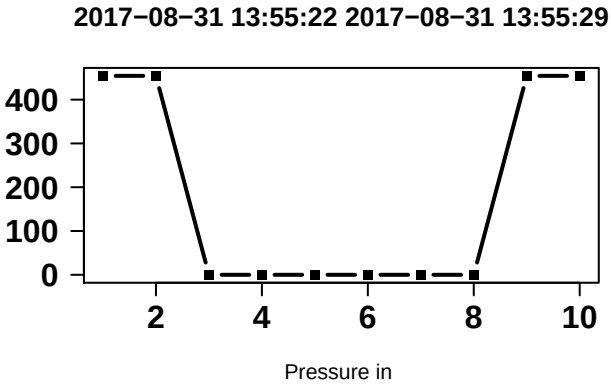
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−08−31 13:55:22 2017−08−31 13:55:29
400
300
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100
0
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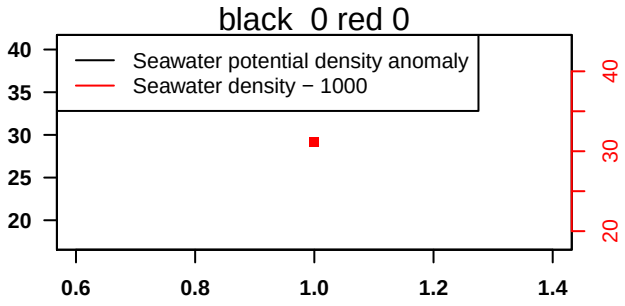
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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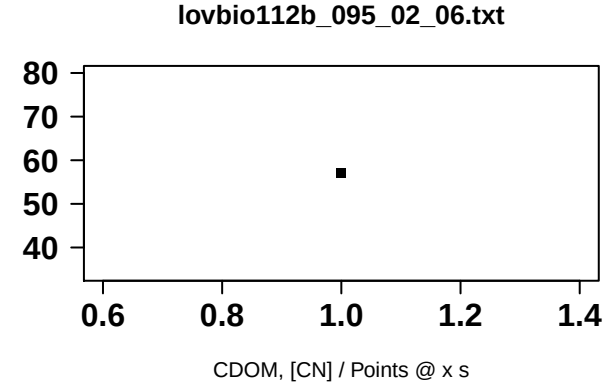
40
30
20


lovbio112b_095_02_06.txt
80
70
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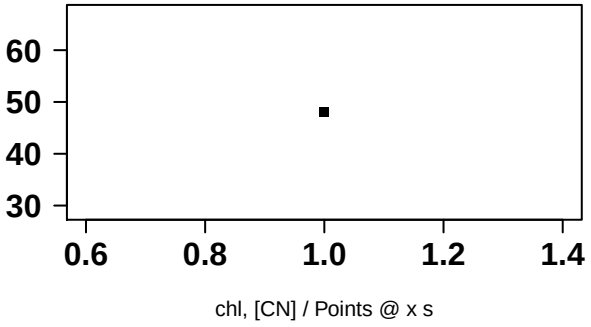
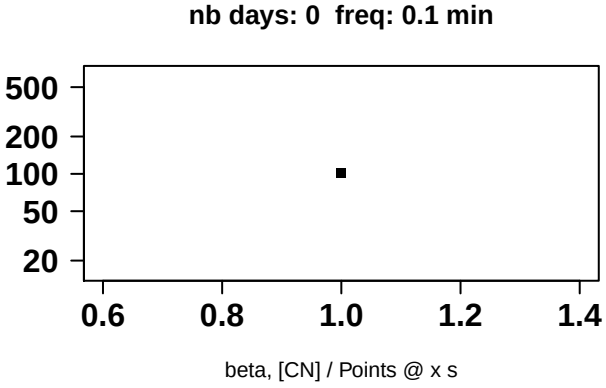
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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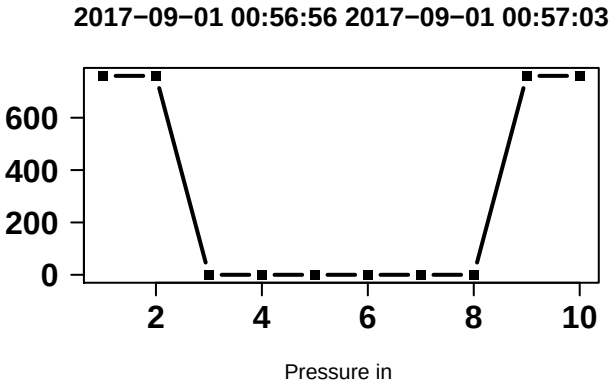
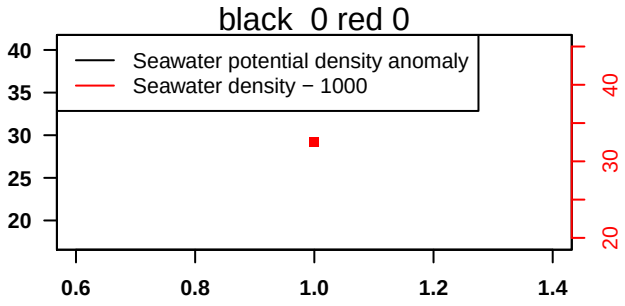
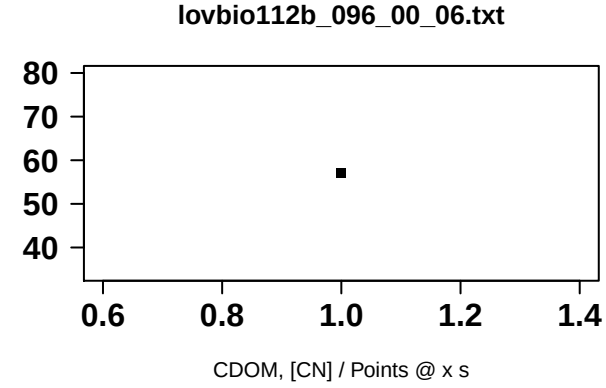
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−01 00:56:56 2017−09−01 00:57:03
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_096_00_06.txt
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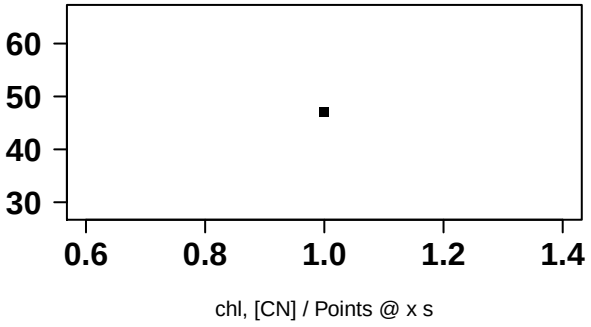
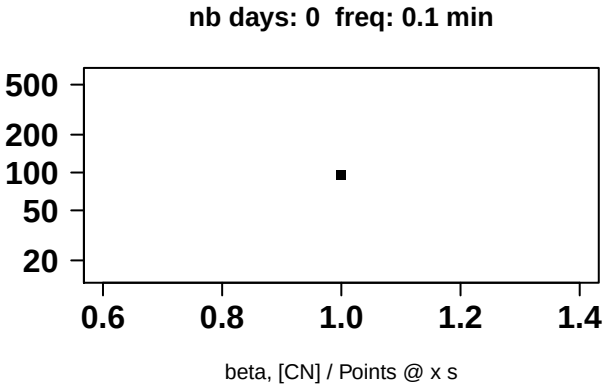
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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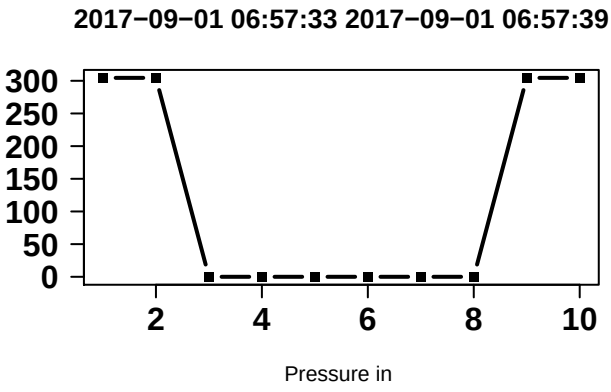
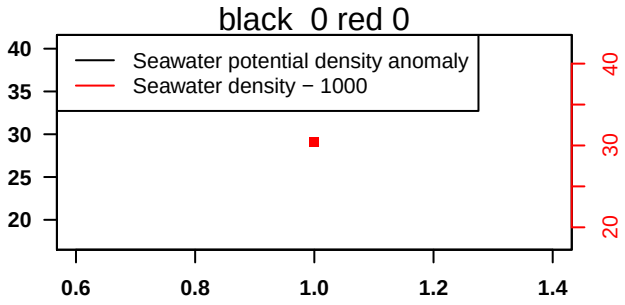
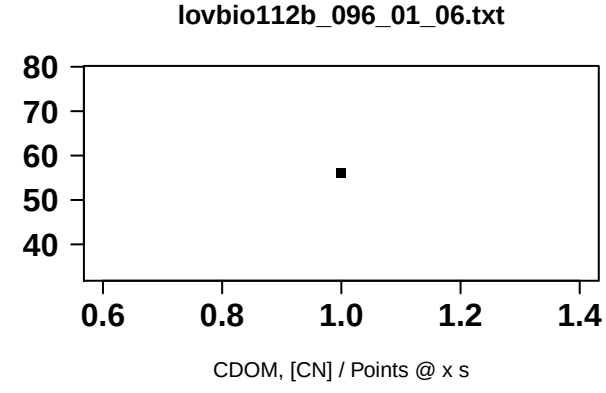
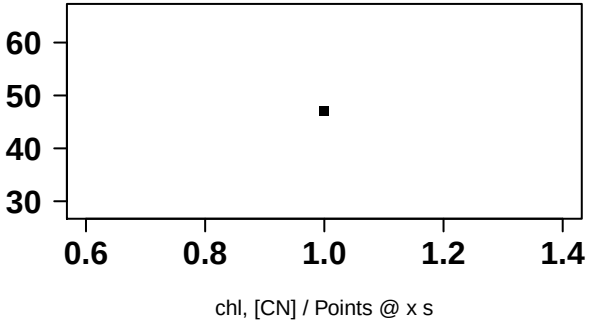
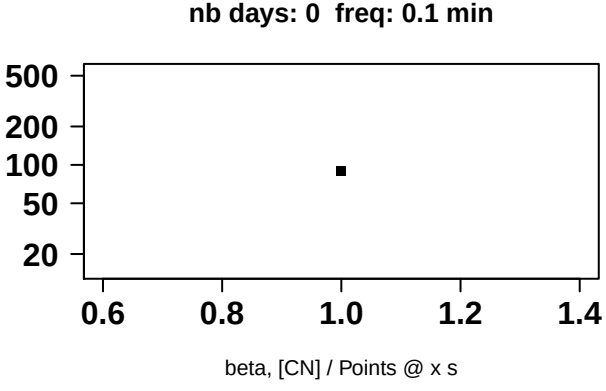
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

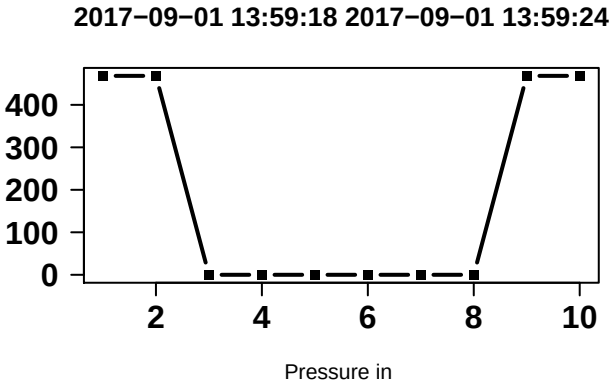

2017−09−01 06:57:33 2017−09−01 06:57:39
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

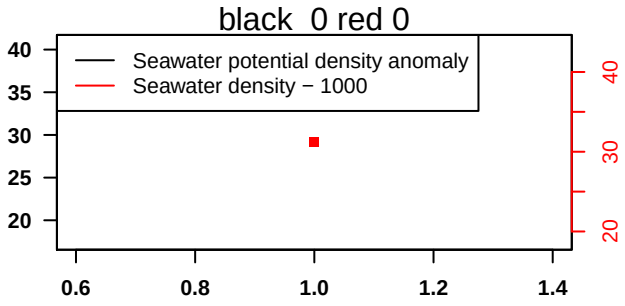

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

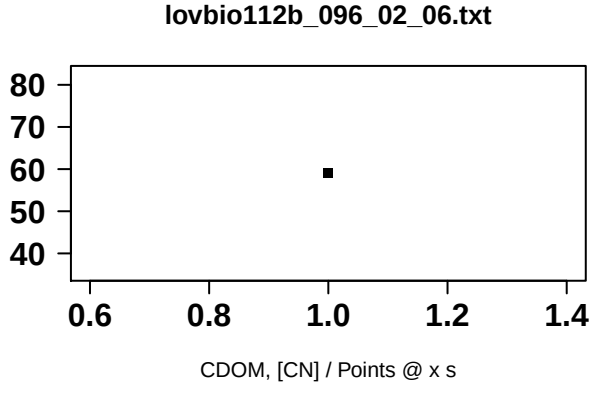

lovbio112b_096_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−09−01 13:59:18 2017−09−01 13:59:24
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_096_02_06.txt
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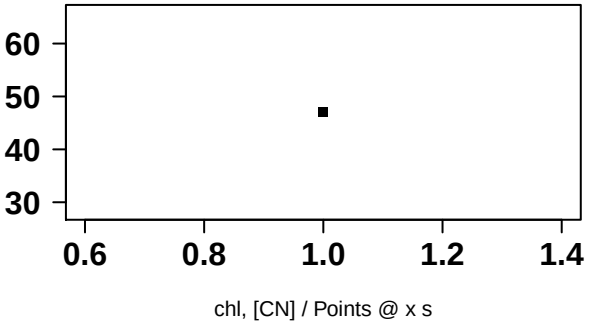
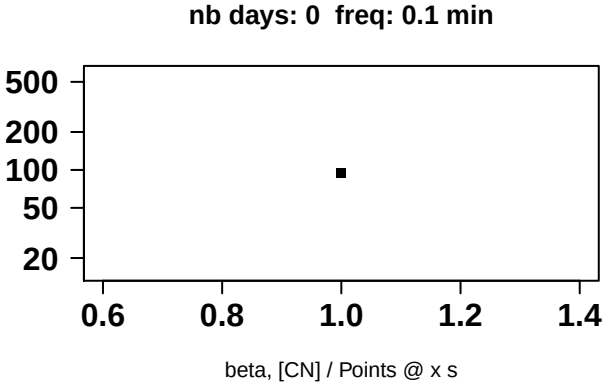
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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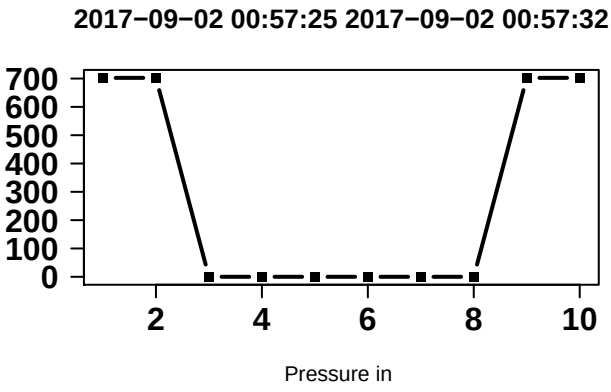
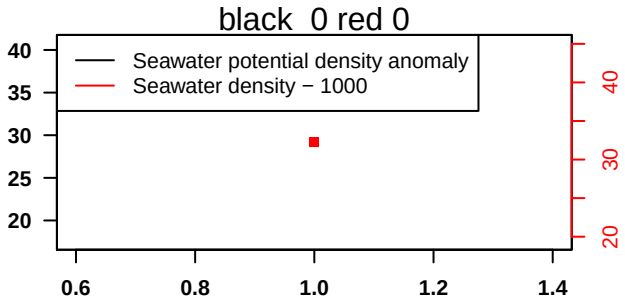
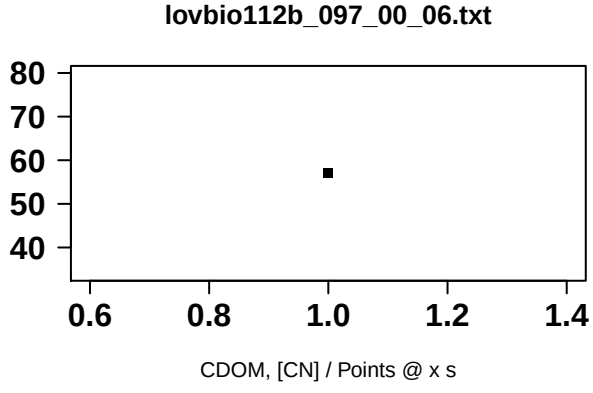
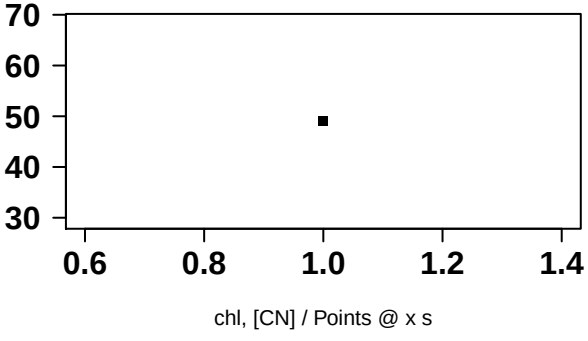
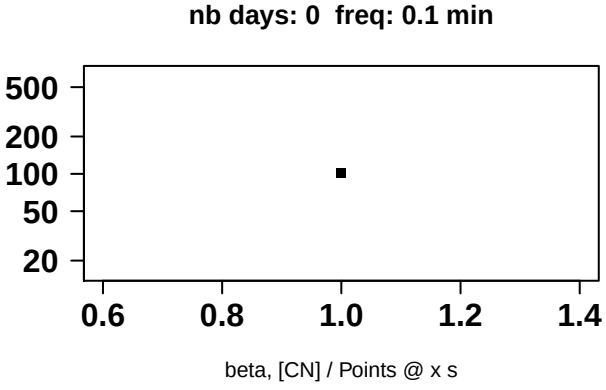
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−02 00:57:25 2017−09−02 00:57:32
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_097_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
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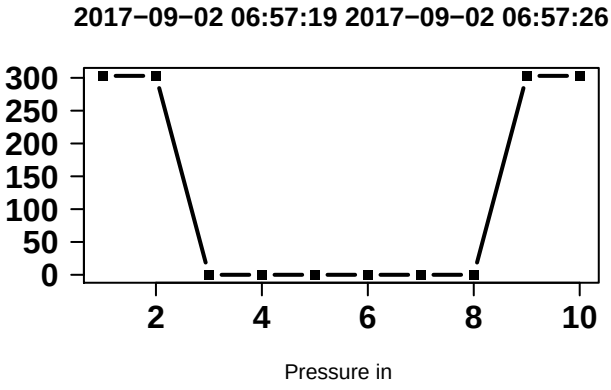
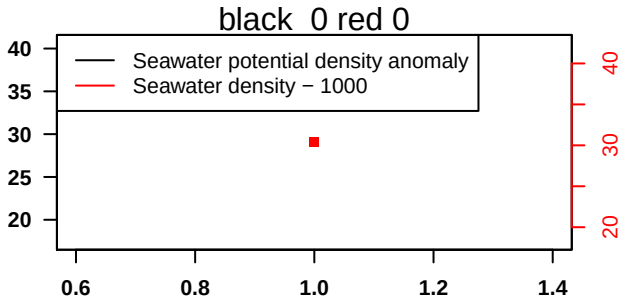
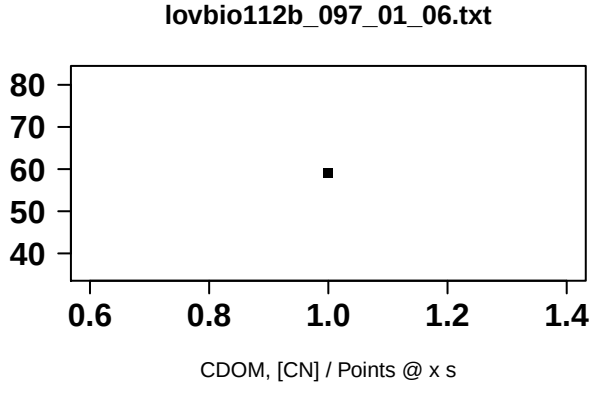
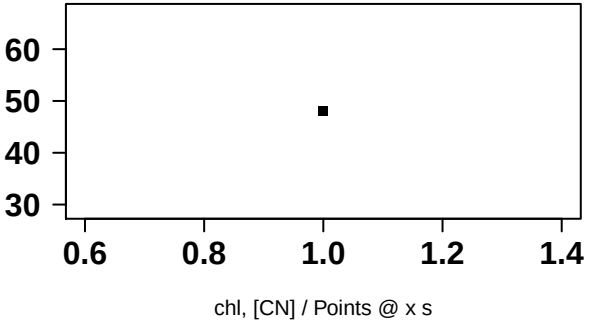
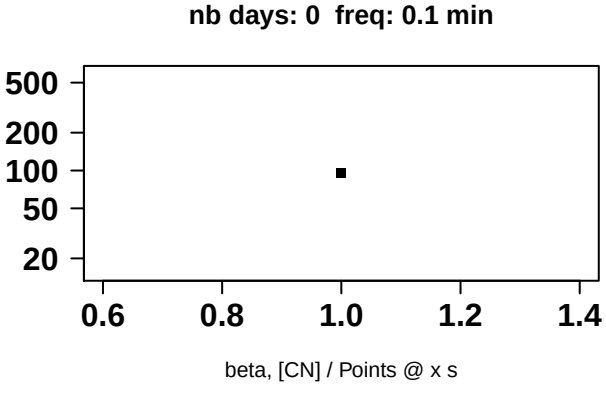
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

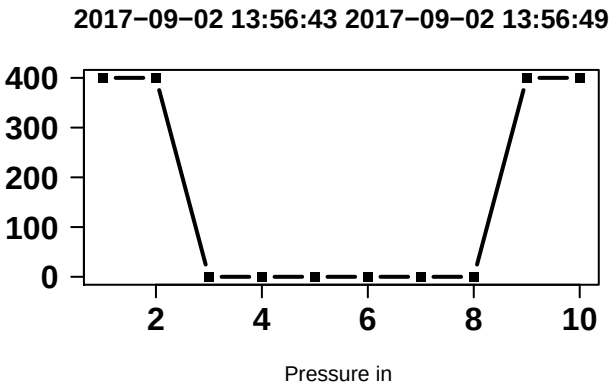

2017−09−02 06:57:19 2017−09−02 06:57:26
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

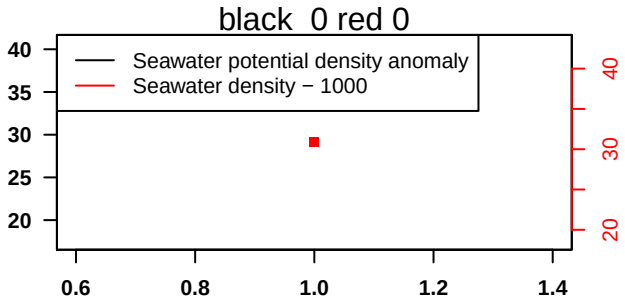

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

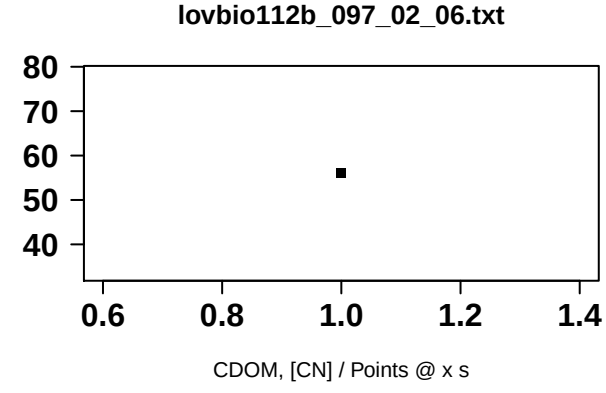

lovbio112b_097_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

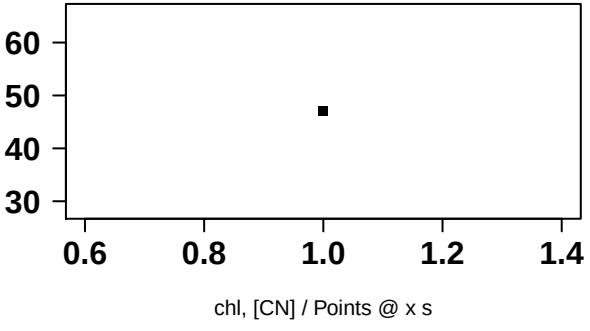

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


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


2017−09−02 13:56:43 2017−09−02 13:56:49
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_097_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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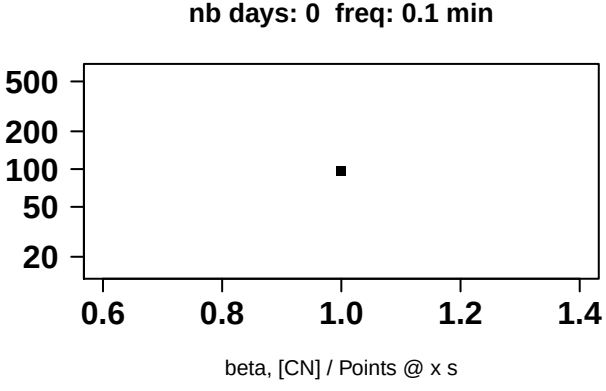
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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0.6
0.8
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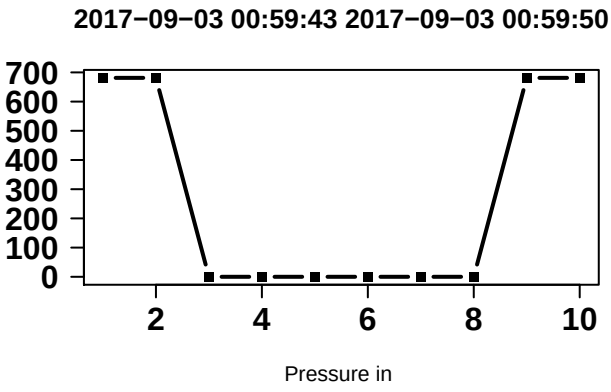
1.2
1.4
beta, [CN] / Points @ x s


2017−09−03 00:59:43 2017−09−03 00:59:50
700
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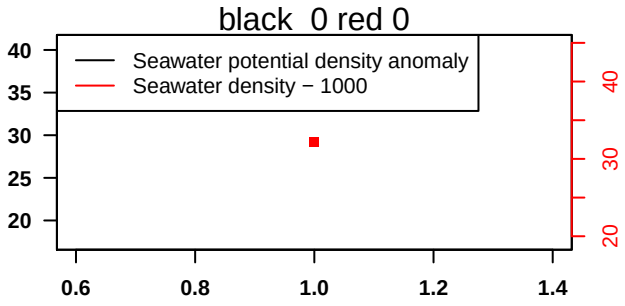
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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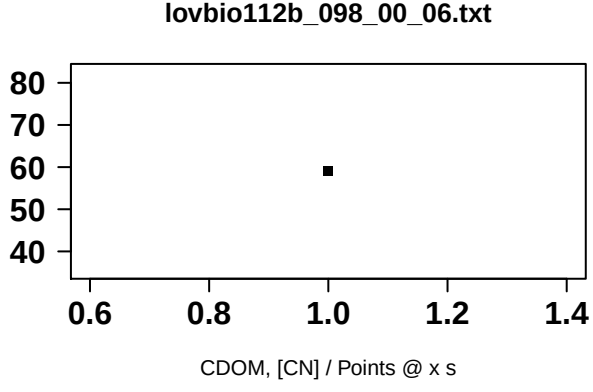
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_098_00_06.txt
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0.6
0.8
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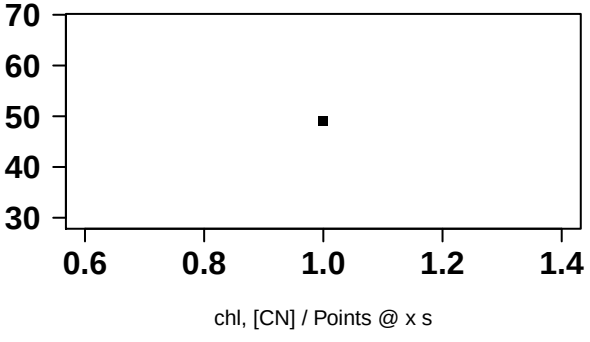
1.2
1.4
CDOM, [CN] / Points @ x s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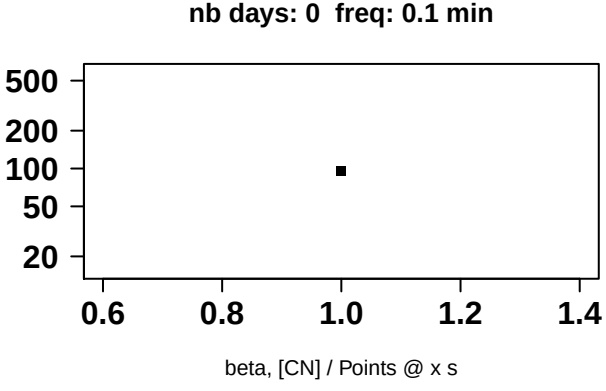
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s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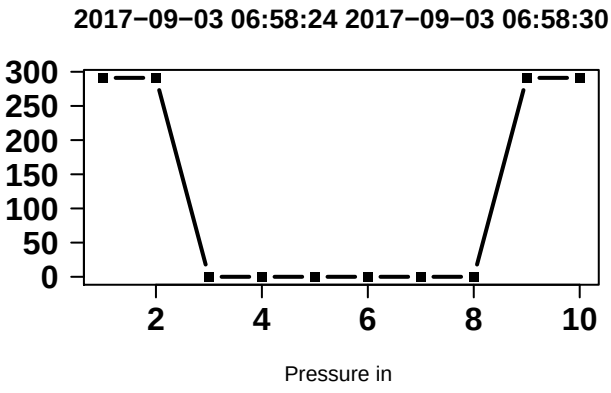
1.2
1.4
beta, [CN] / Points @ x s


2017−09−03 06:58:24 2017−09−03 06:58:30
300
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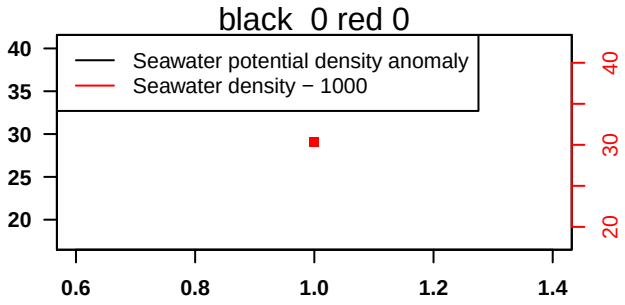
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
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25
20
0.6
0.8
1.0
1.2
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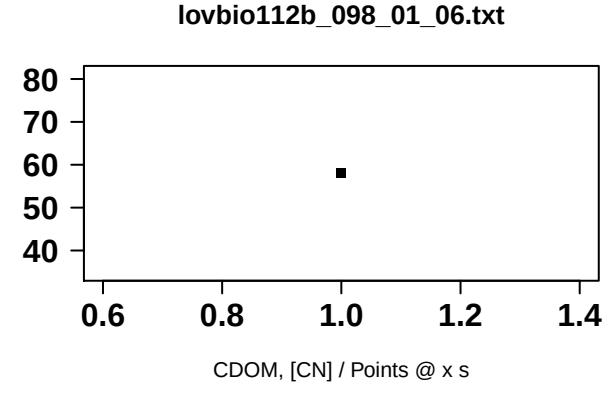
40
30
20


lovbio112b_098_01_06.txt
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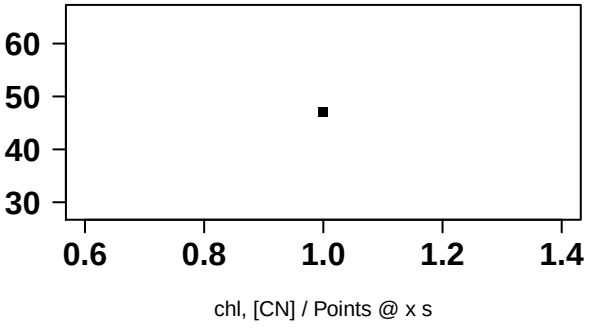
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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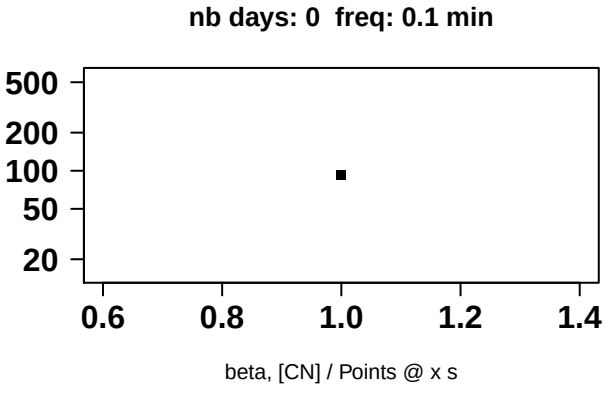
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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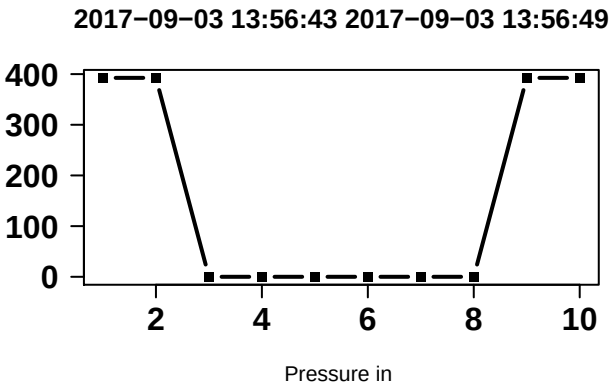
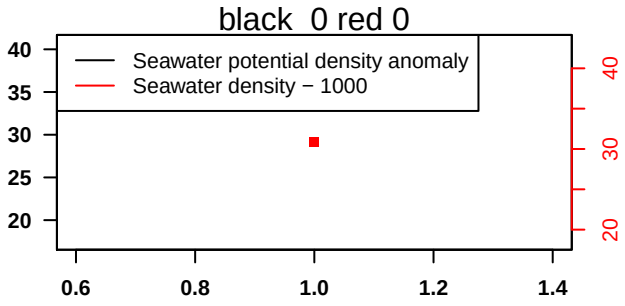
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−03 13:56:43 2017−09−03 13:56:49
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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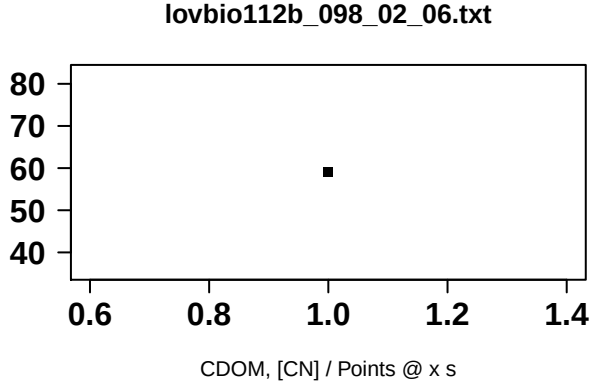
40
30
20


lovbio112b_098_02_06.txt
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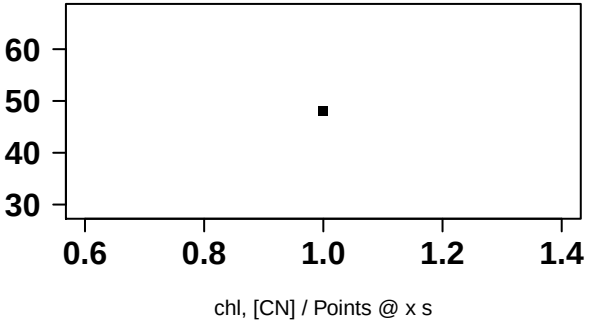
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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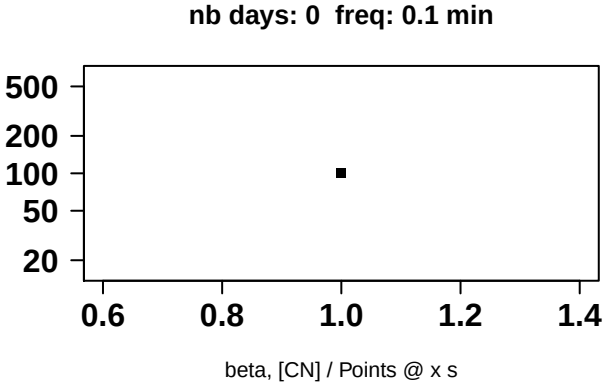
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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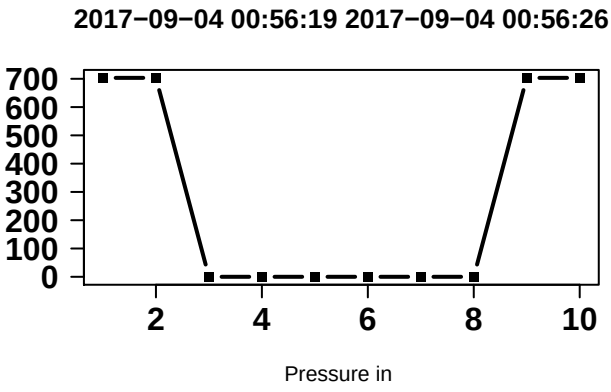
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−04 00:56:19 2017−09−04 00:56:26
700
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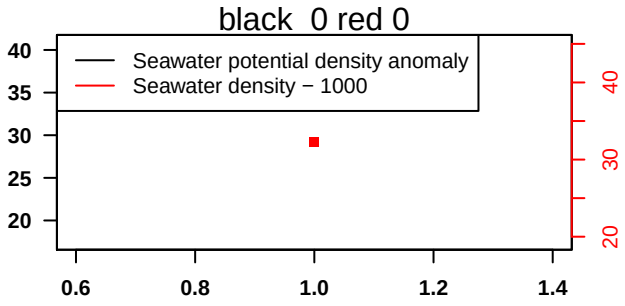
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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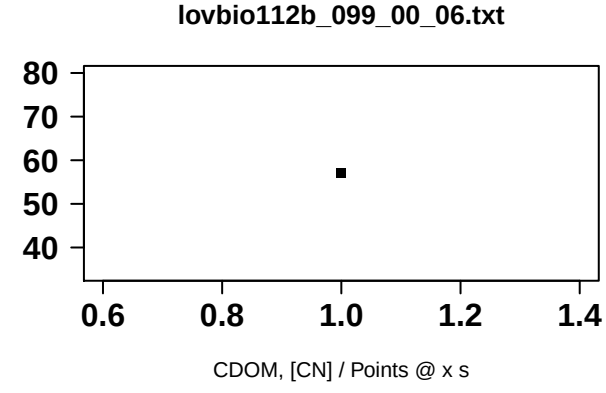
40
30
20


lovbio112b_099_00_06.txt
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0.6
0.8
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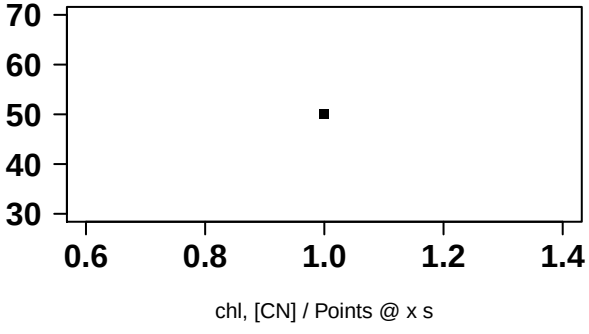
1.2
1.4
CDOM, [CN] / Points @ x s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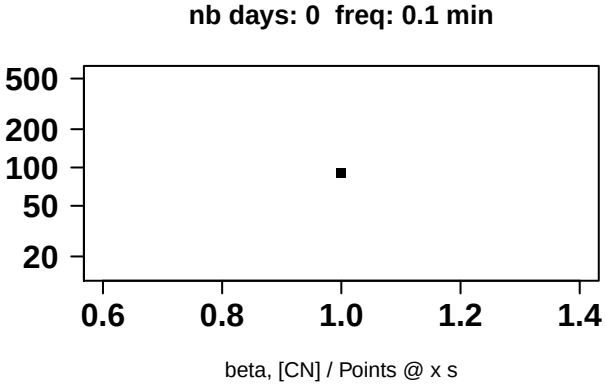
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
50
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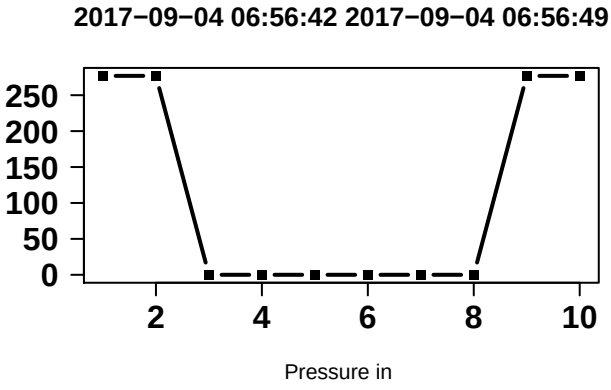
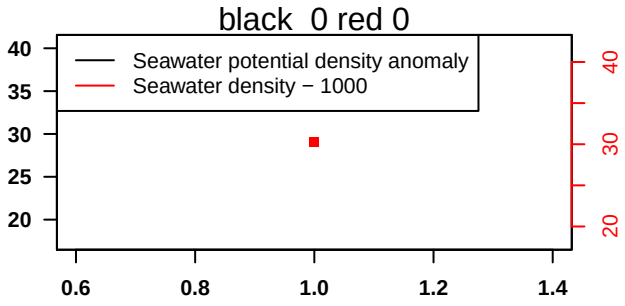
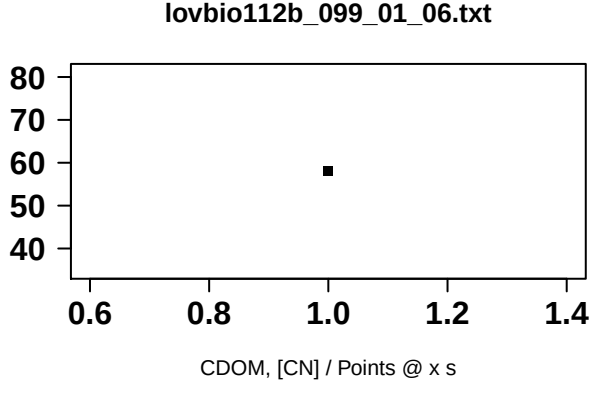
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−04 06:56:42 2017−09−04 06:56:49
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_099_01_06.txt
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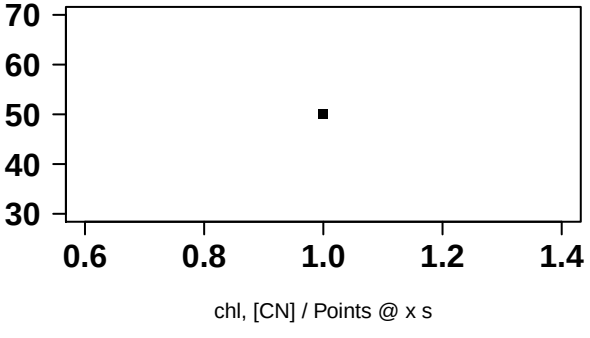
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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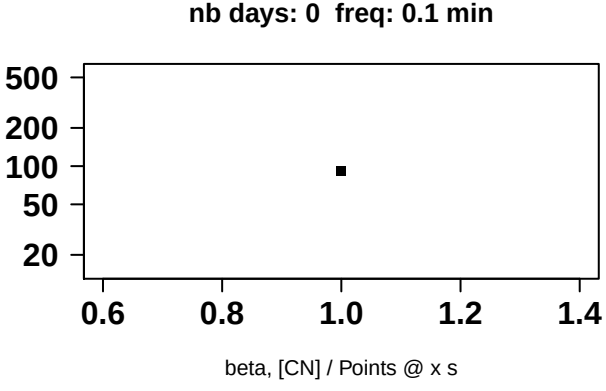
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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100
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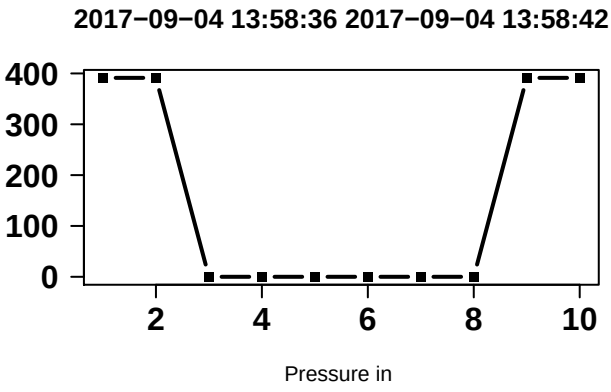
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−04 13:58:36 2017−09−04 13:58:42
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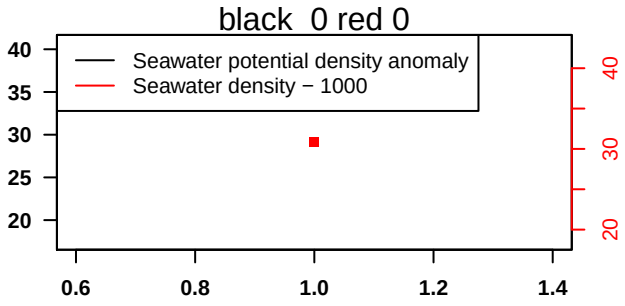
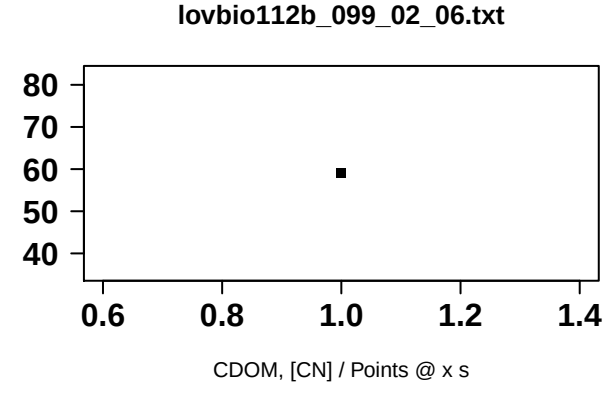
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_099_02_06.txt
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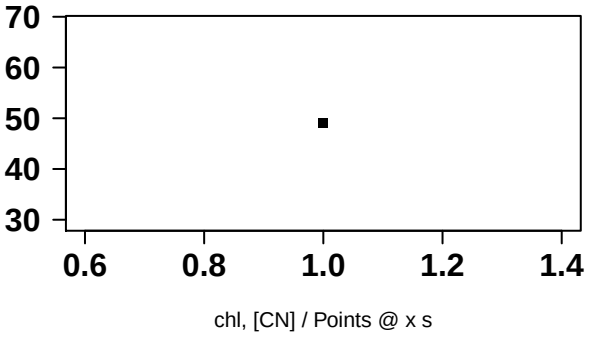
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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0.6
0.8
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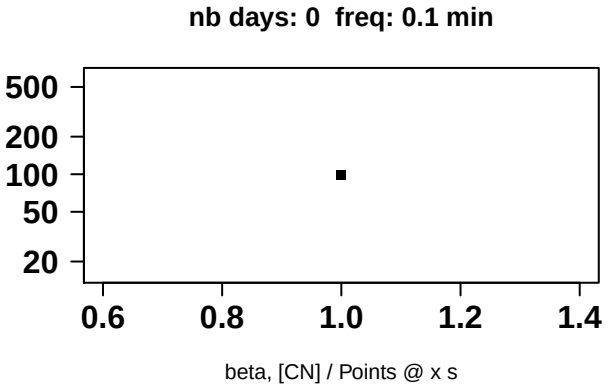
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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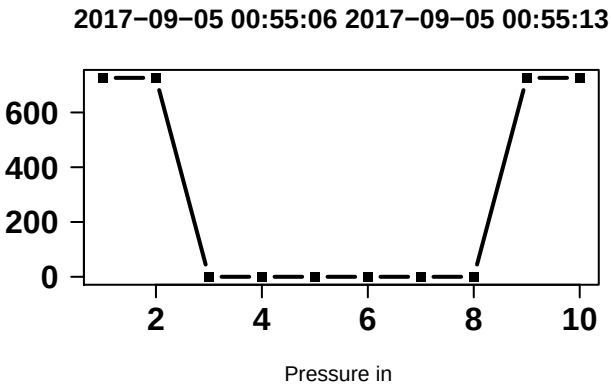
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−05 00:55:06 2017−09−05 00:55:13
600
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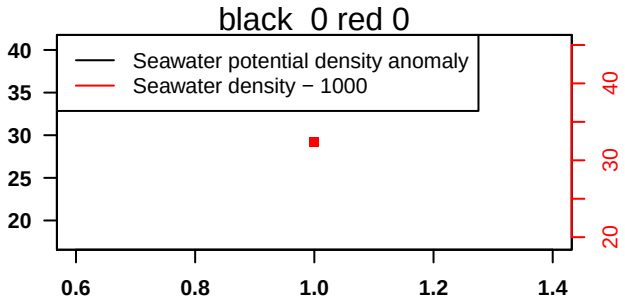
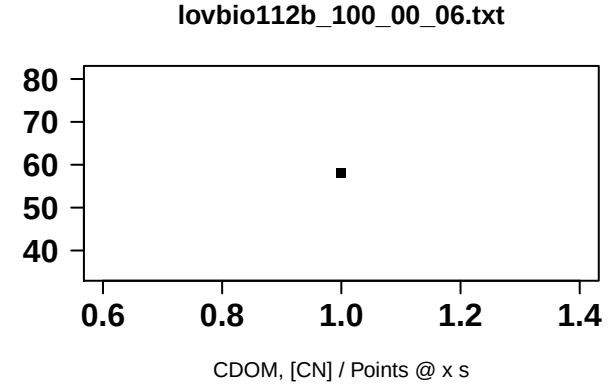
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_100_00_06.txt
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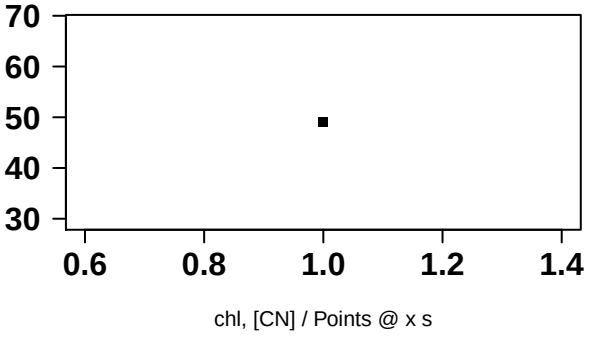
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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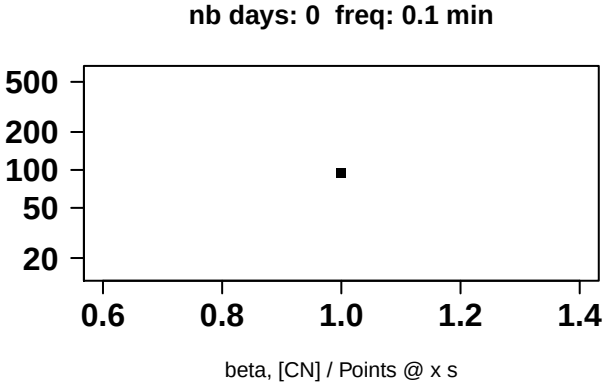
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
100
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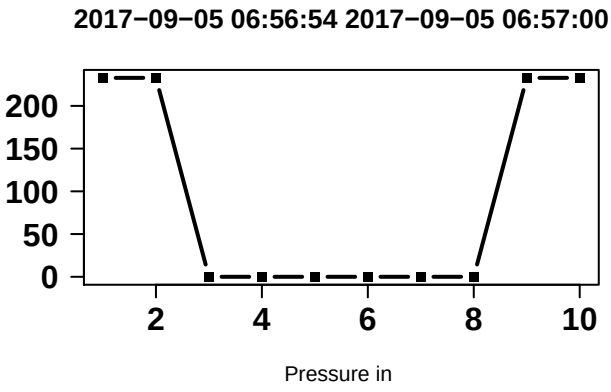
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−05 06:56:54 2017−09−05 06:57:00
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100
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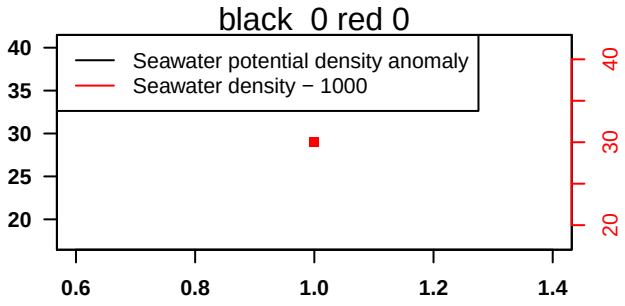
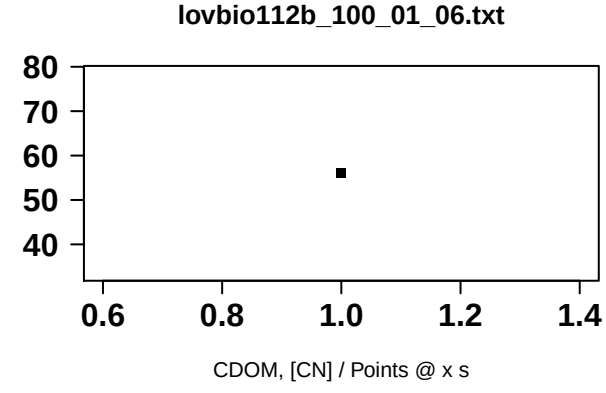
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_100_01_06.txt
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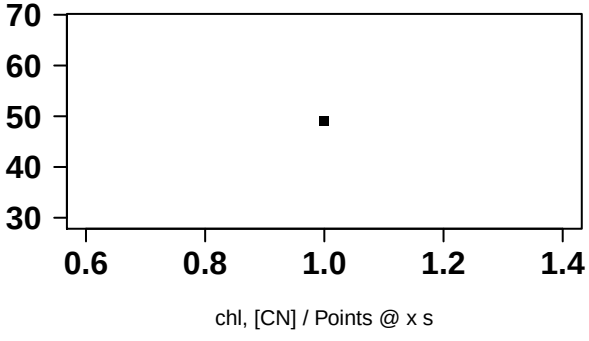
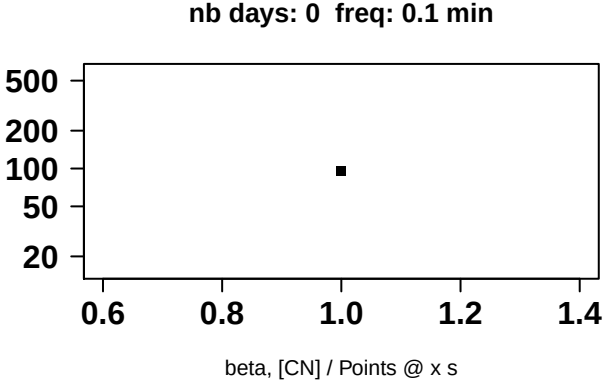
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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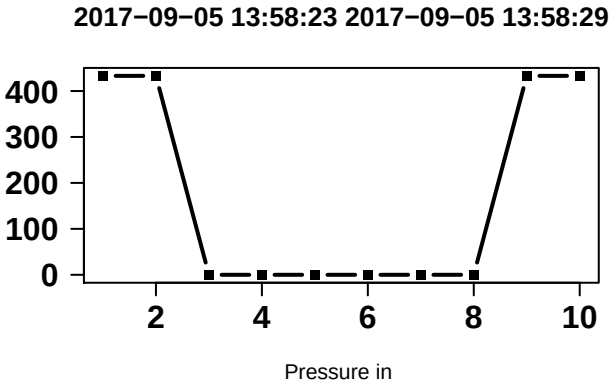
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−05 13:58:23 2017−09−05 13:58:29
400
300
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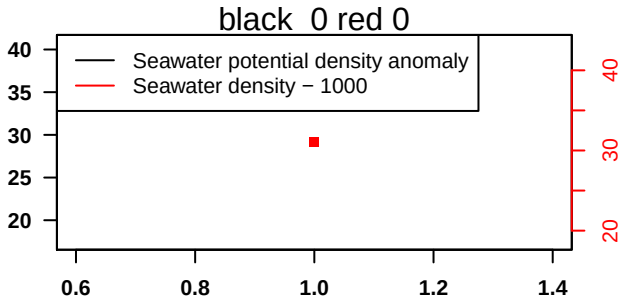
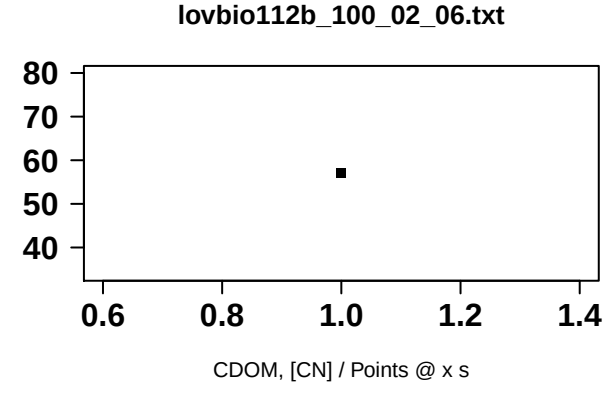
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_100_02_06.txt
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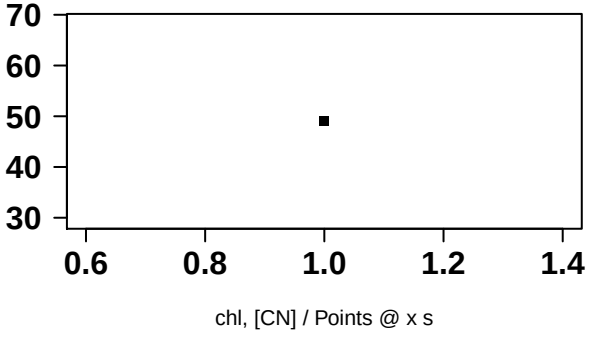
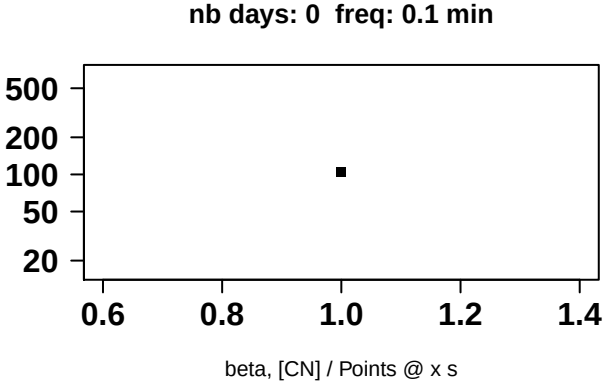
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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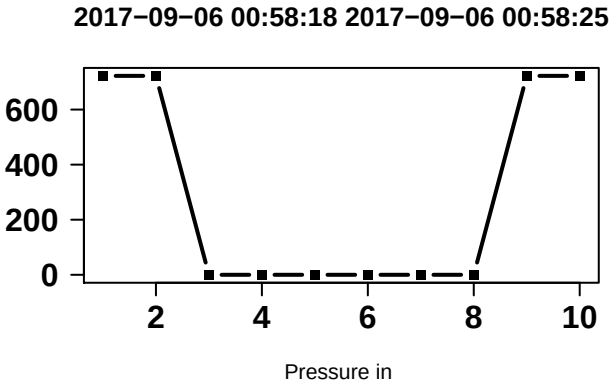
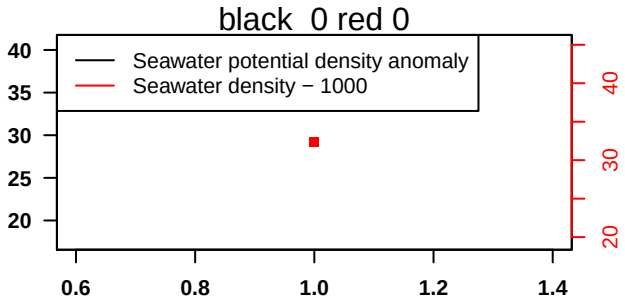
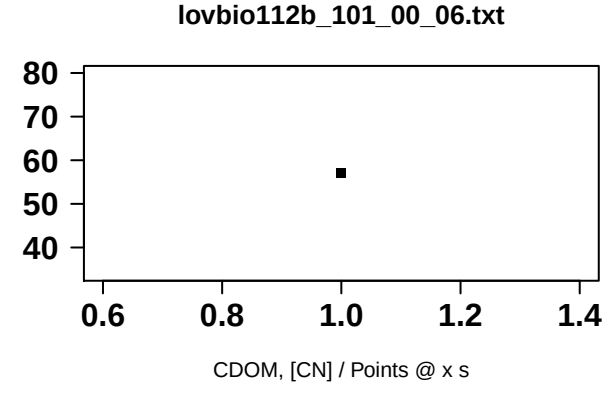
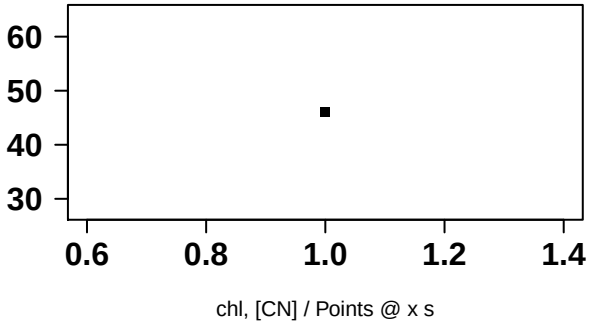
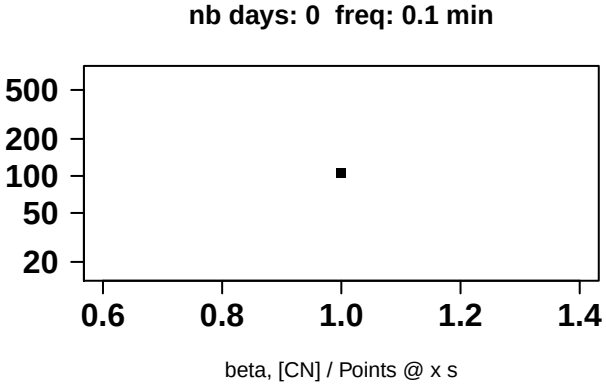
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−06 00:58:18 2017−09−06 00:58:25
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_101_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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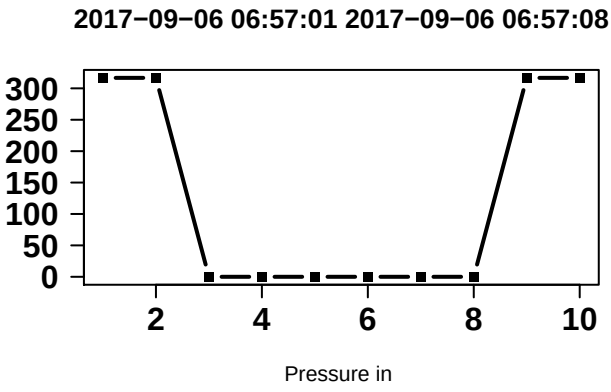
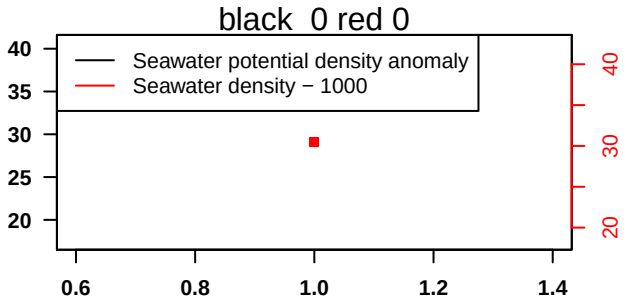
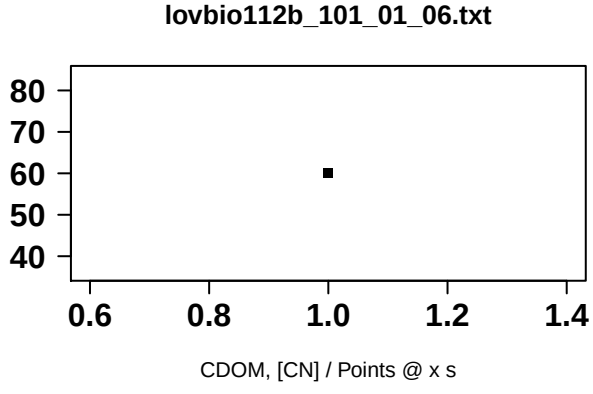
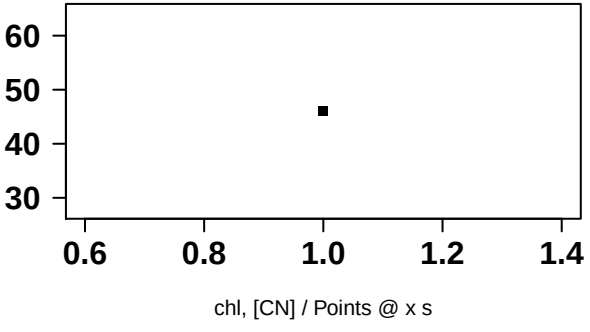
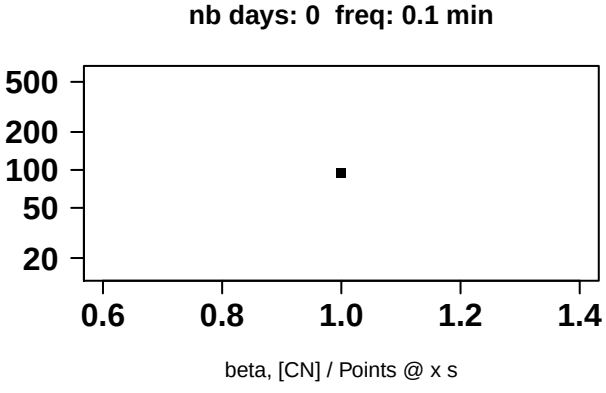
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

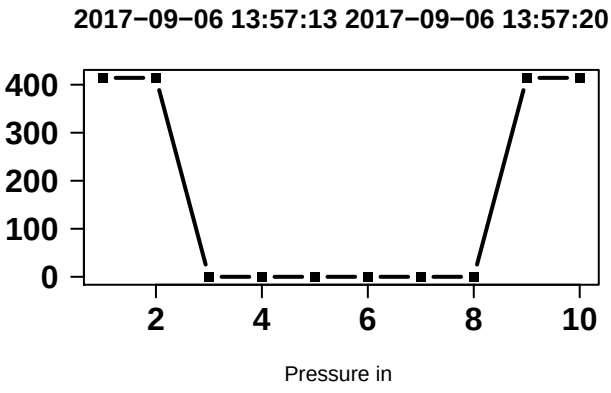

2017−09−06 06:57:01 2017−09−06 06:57:08
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

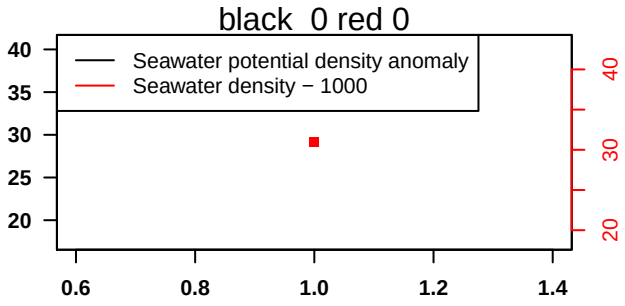

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

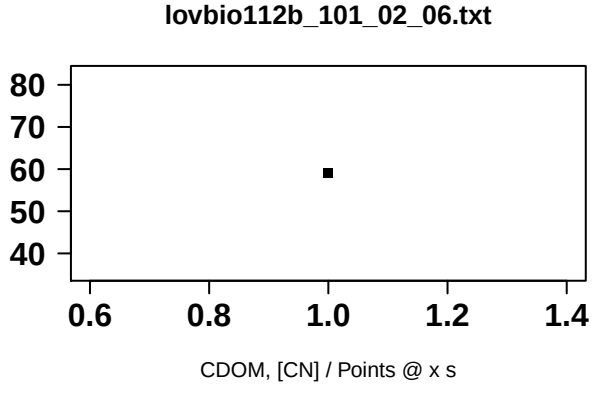

lovbio112b_101_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

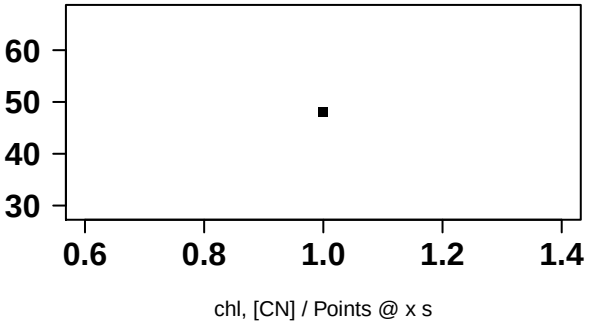

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

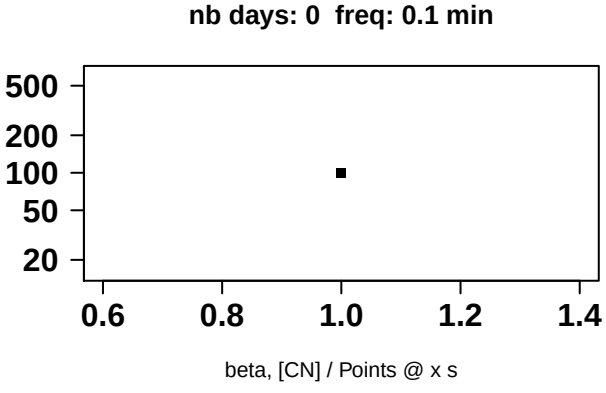

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

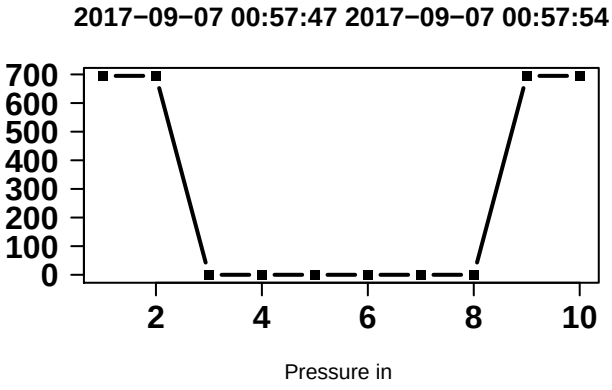

2017−09−06 13:57:13 2017−09−06 13:57:20
400
300
200
100
0
2
4
6
8
10
Pressure in

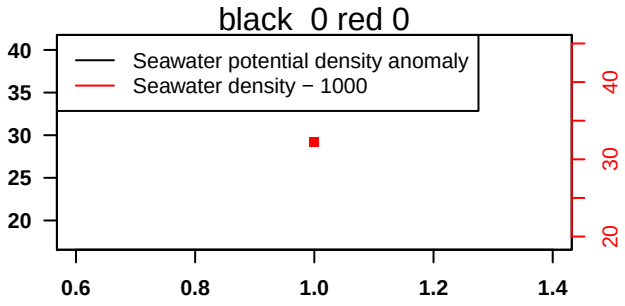

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

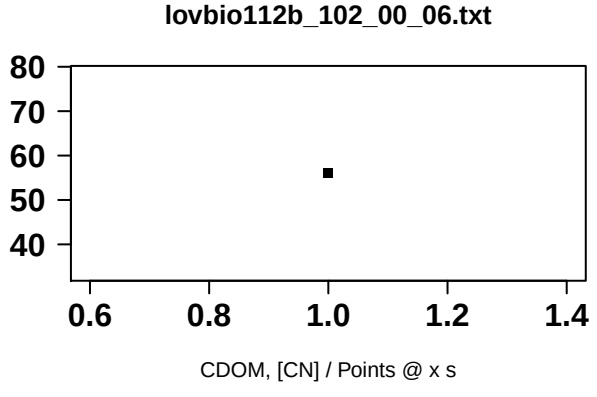

lovbio112b_101_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−09−07 00:57:47 2017−09−07 00:57:54
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_102_00_06.txt
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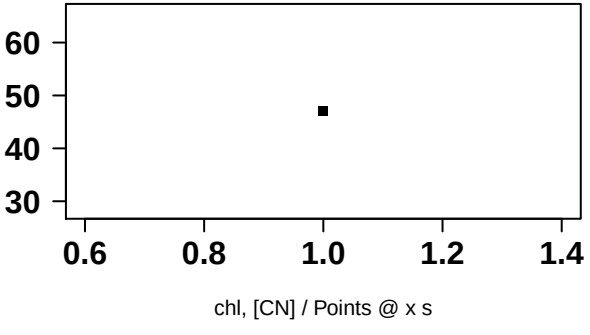
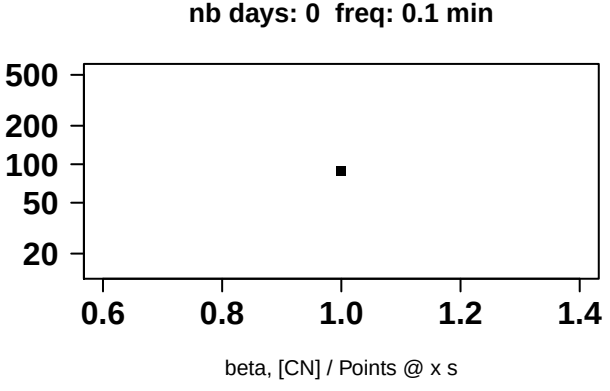
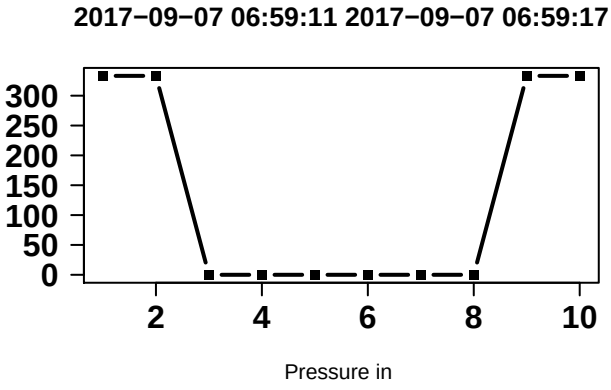
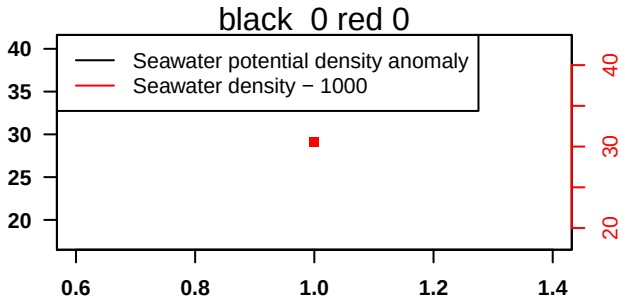
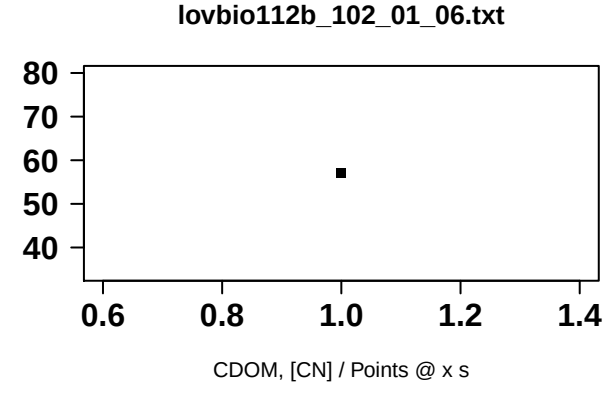
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

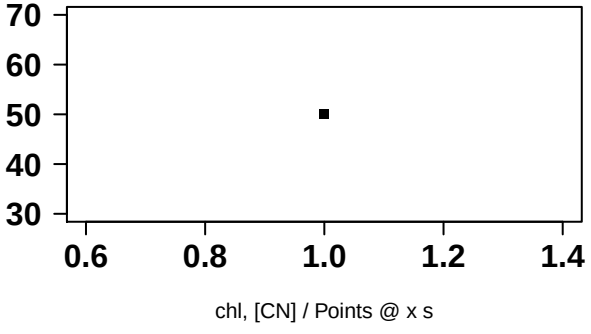

60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

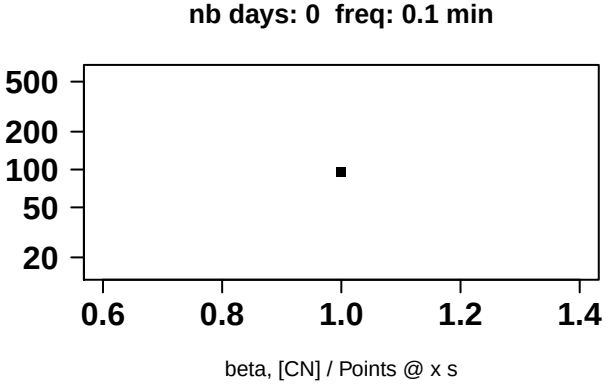

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

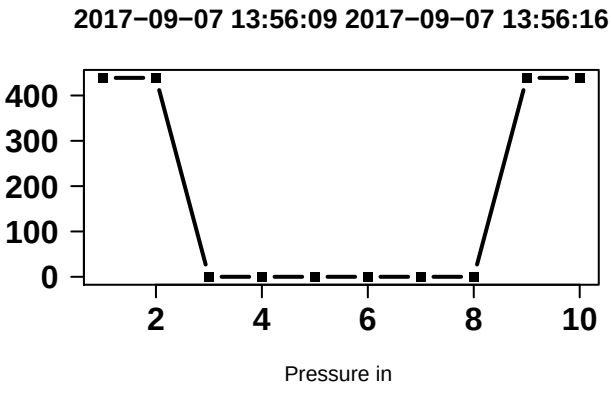

2017−09−07 06:59:11 2017−09−07 06:59:17
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in

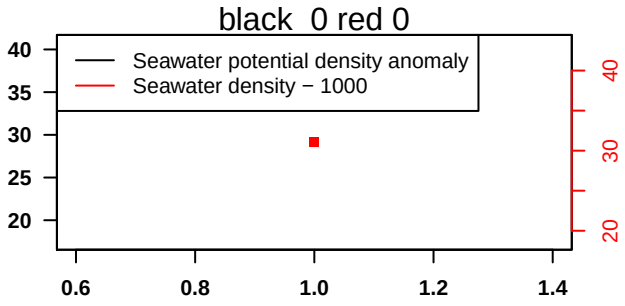

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

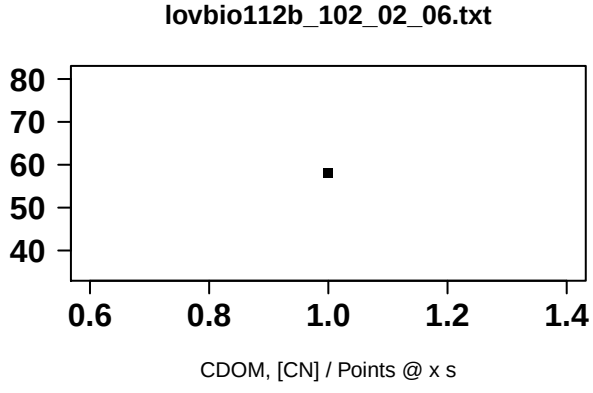

lovbio112b_102_01_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−09−07 13:56:09 2017−09−07 13:56:16
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_102_02_06.txt
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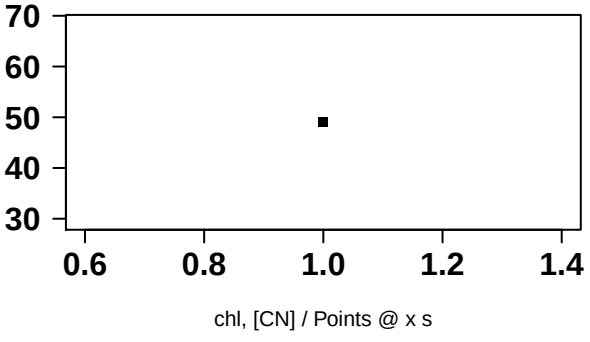
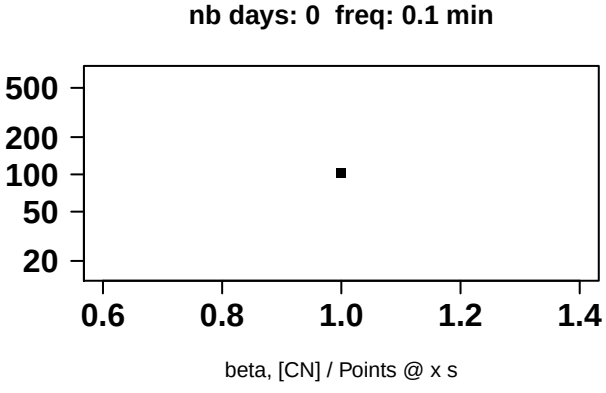
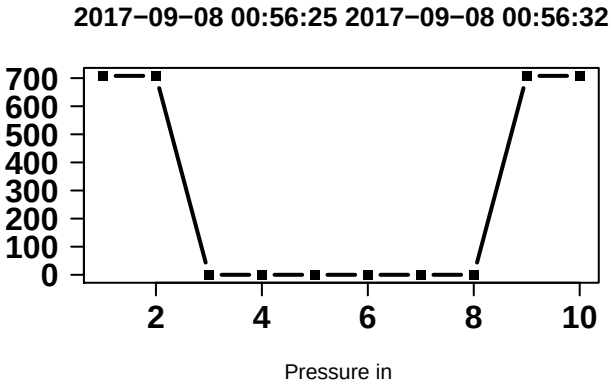
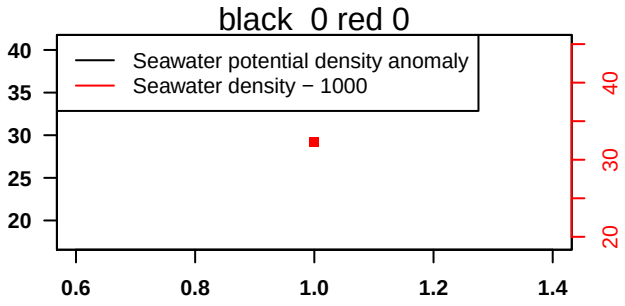
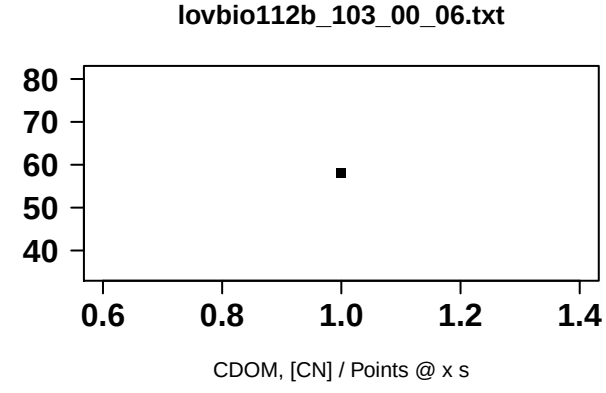
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

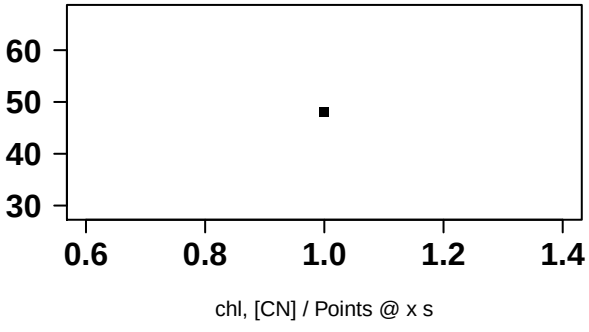

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

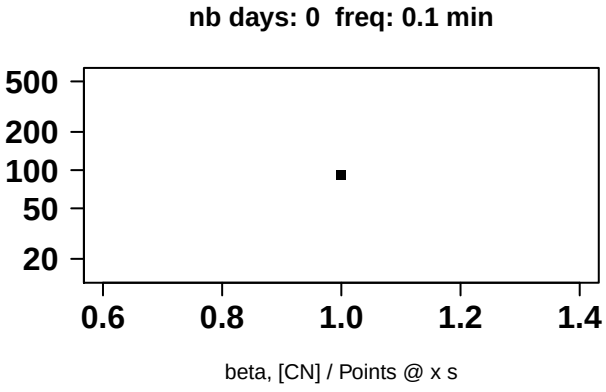

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−08 00:56:25 2017−09−08 00:56:32
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_103_00_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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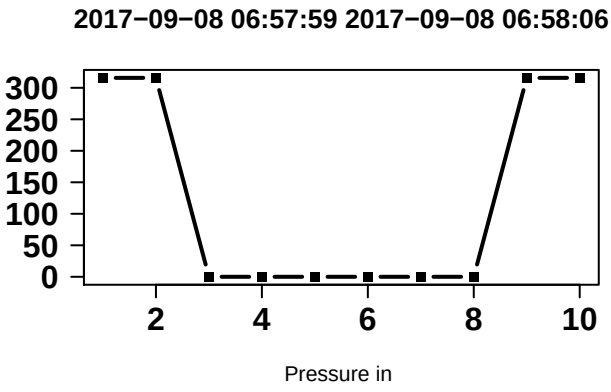
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−08 06:57:59 2017−09−08 06:58:06
300
250
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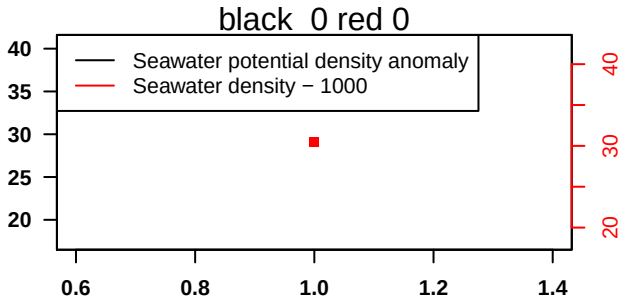
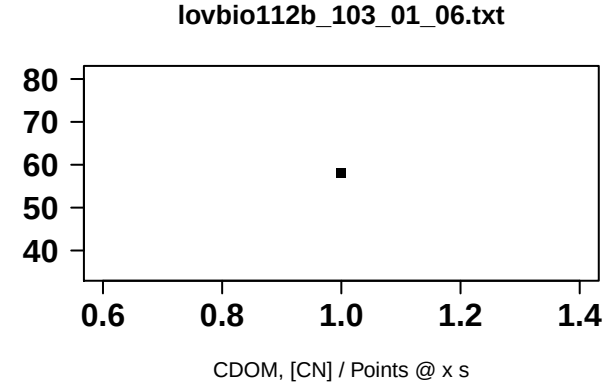
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_103_01_06.txt
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70
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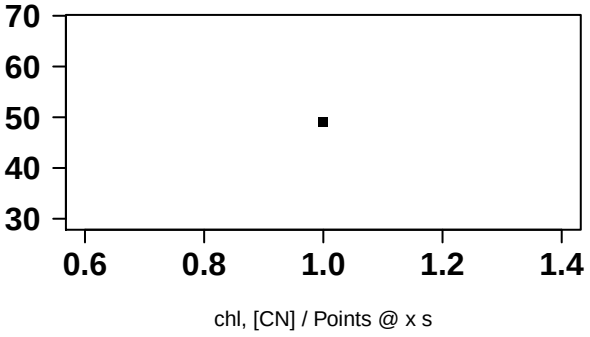
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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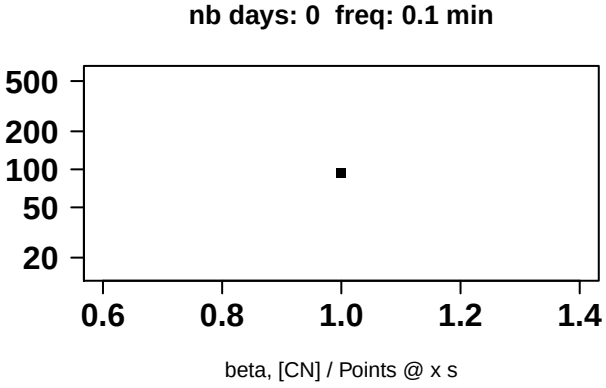
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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200
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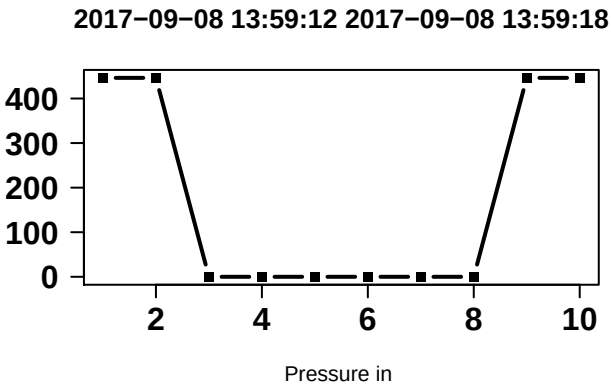
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−08 13:59:12 2017−09−08 13:59:18
400
300
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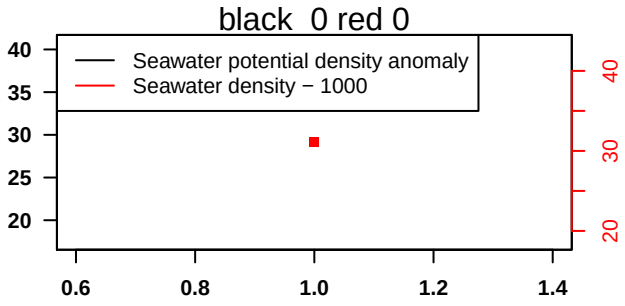
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
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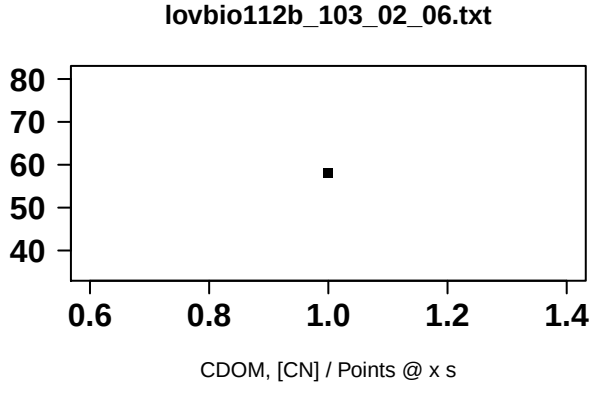
40
30
20


lovbio112b_103_02_06.txt
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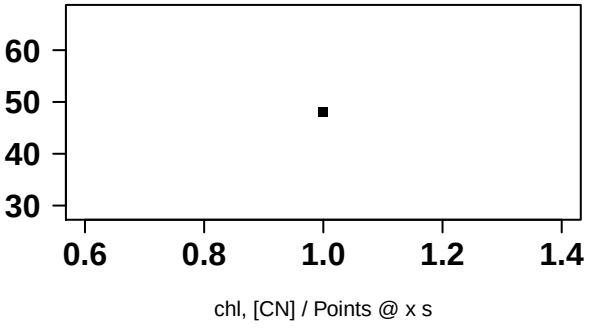
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s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50
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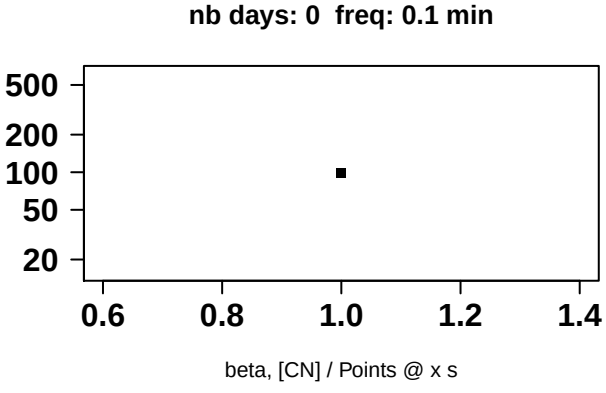
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s


nb days: 0 freq: 0.1 min
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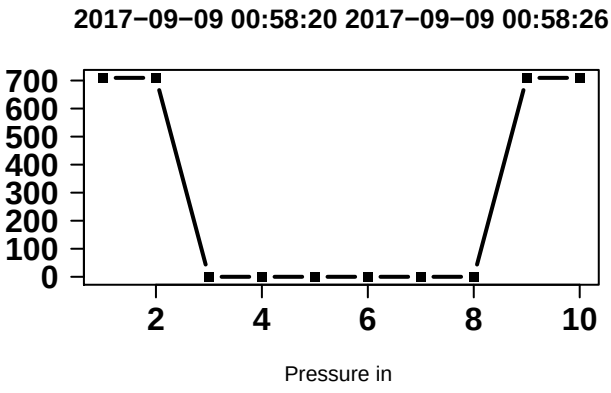
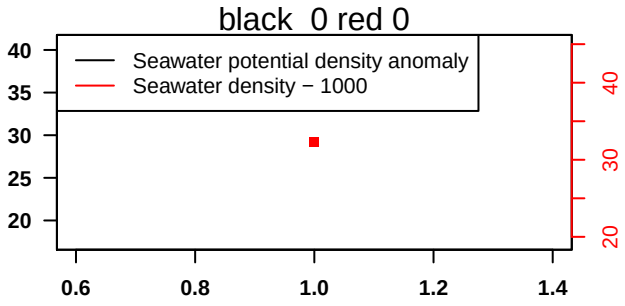
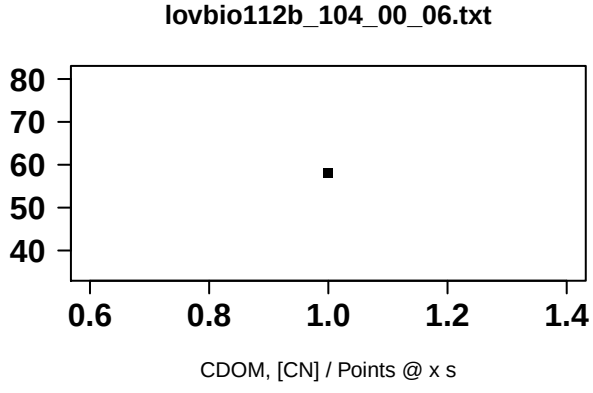
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−09 00:58:20 2017−09−09 00:58:26
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_104_00_06.txt
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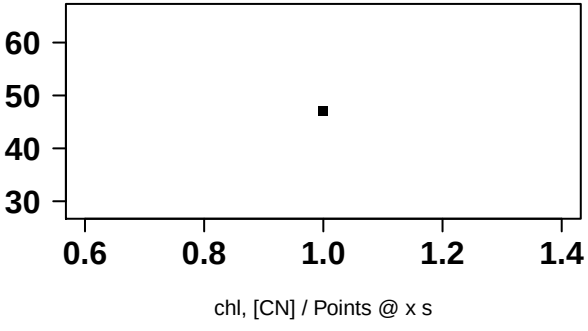
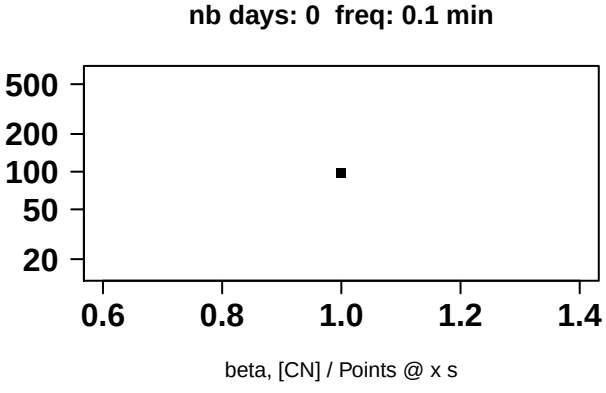
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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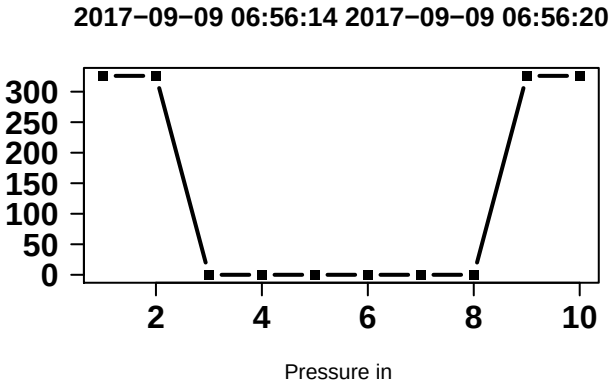
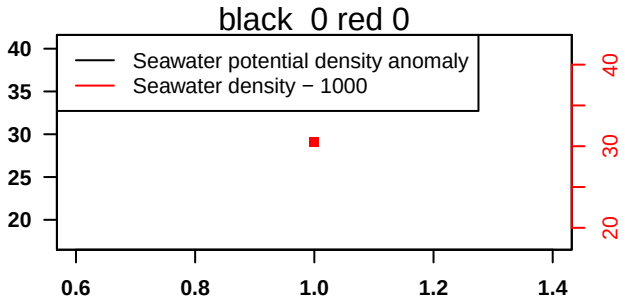
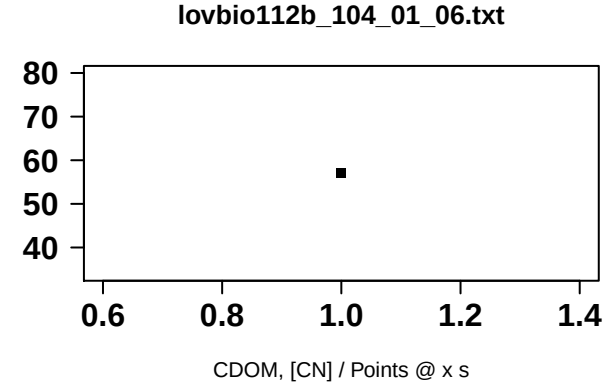
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−09 06:56:14 2017−09−09 06:56:20
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_104_01_06.txt
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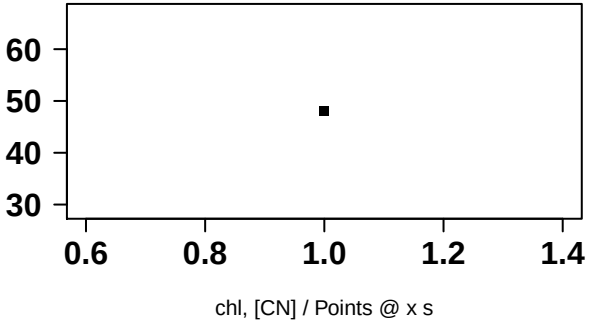
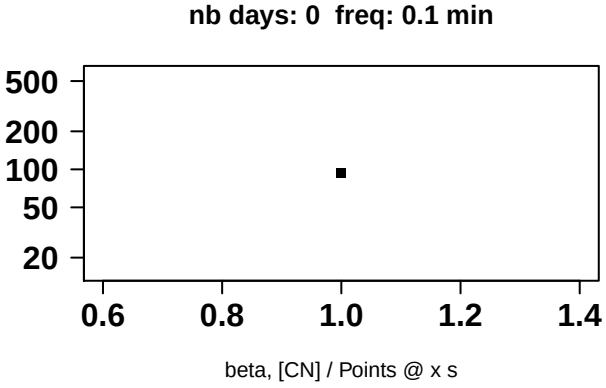
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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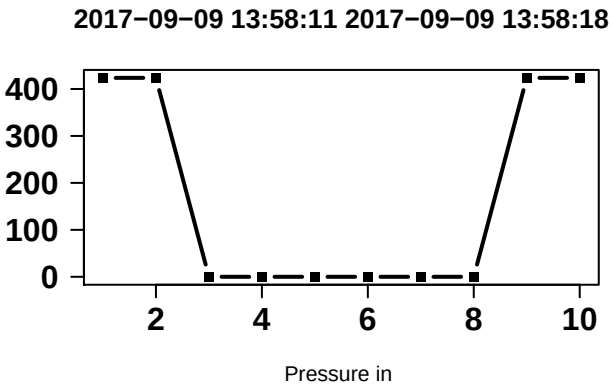
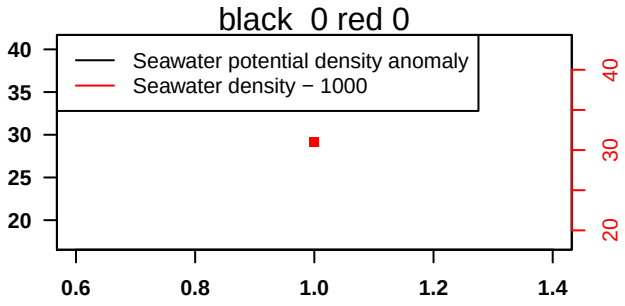
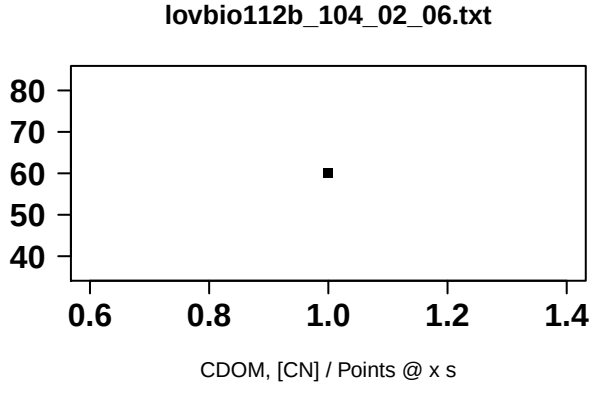
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−09 13:58:11 2017−09−09 13:58:18
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_104_02_06.txt
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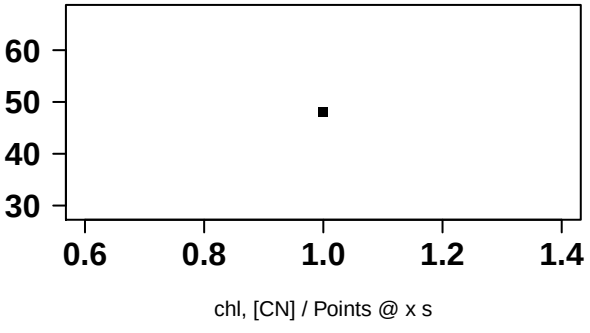
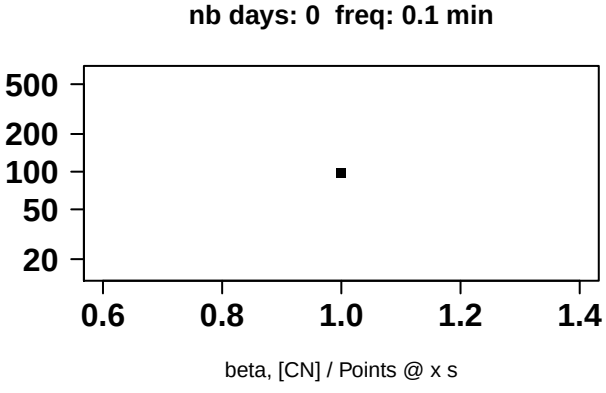
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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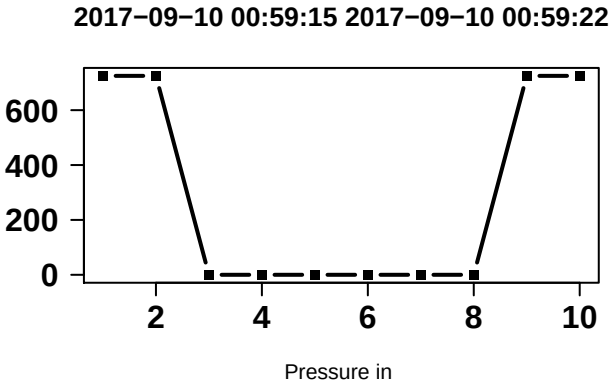
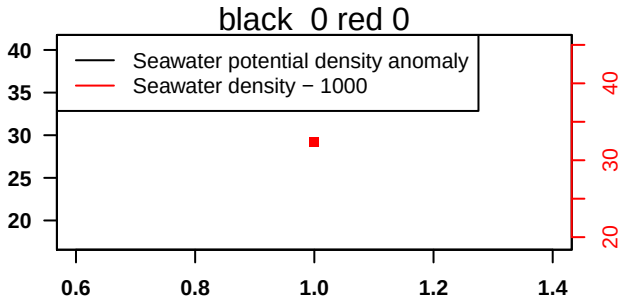
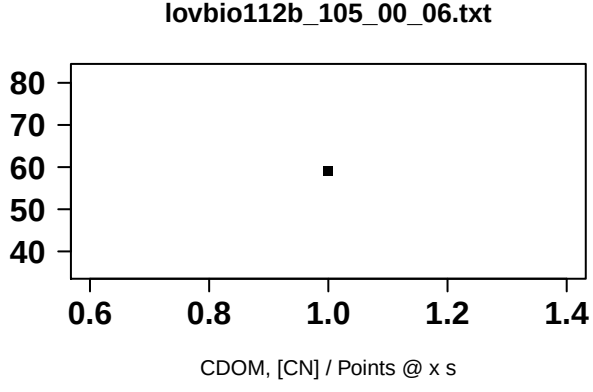
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−10 00:59:15 2017−09−10 00:59:22
600
400
200
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_105_00_06.txt
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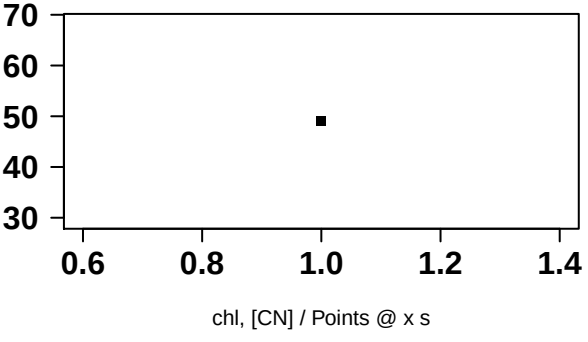
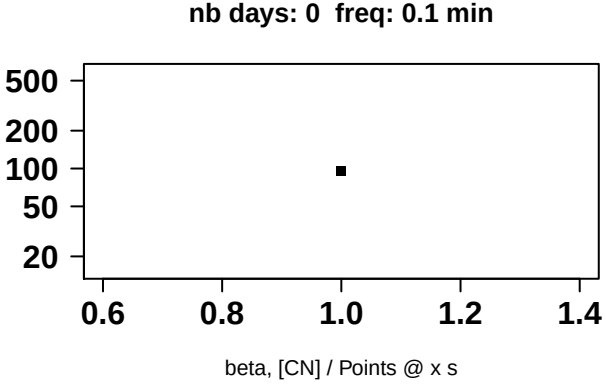
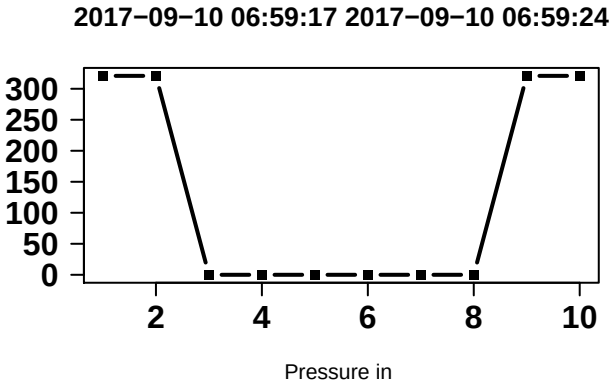
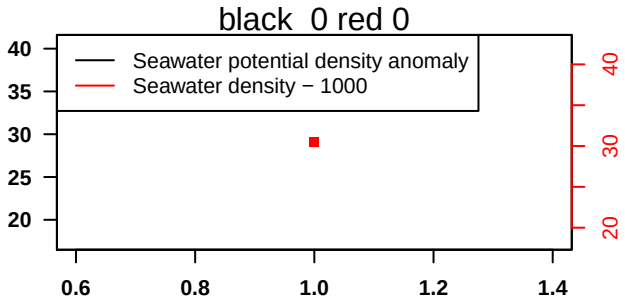
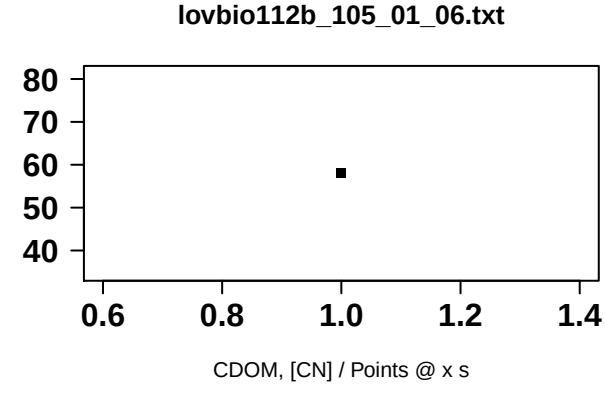
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−09−10 06:59:17 2017−09−10 06:59:24
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_105_01_06.txt
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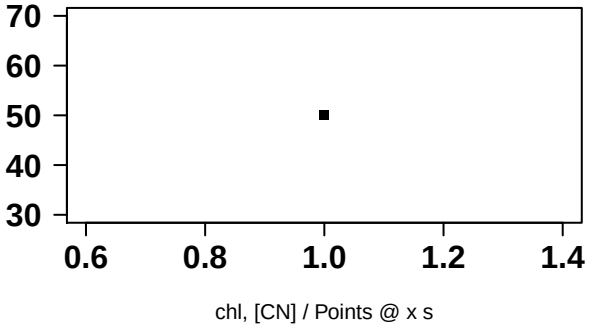
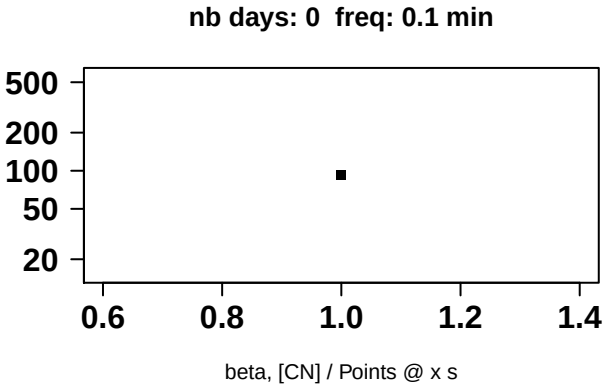
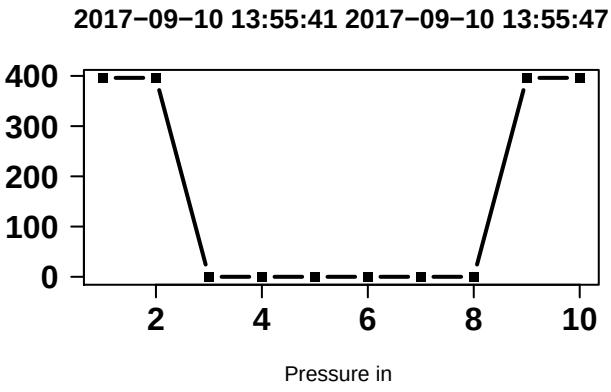
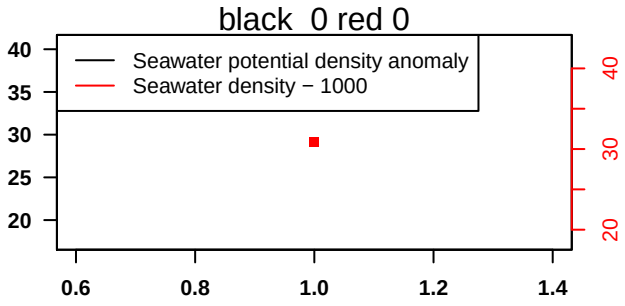
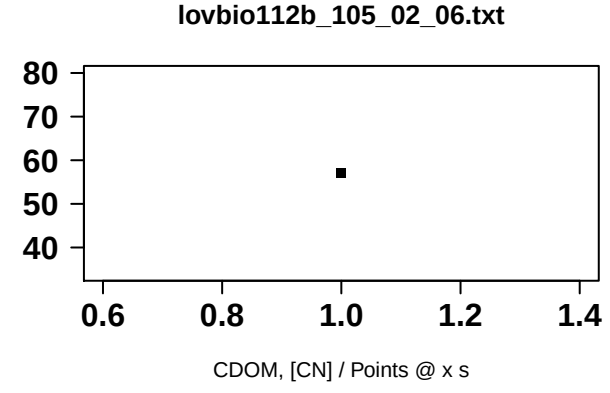
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

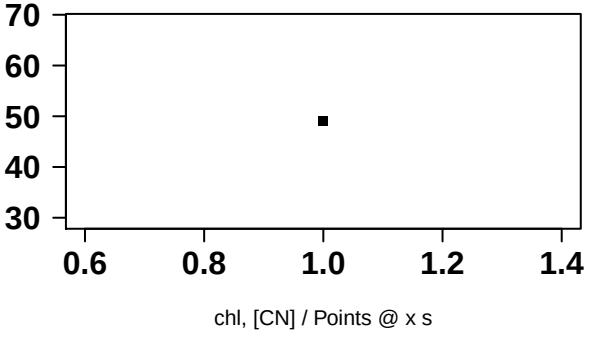

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

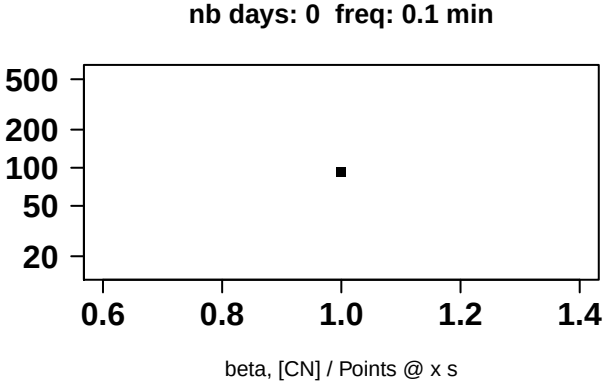

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−10 13:55:41 2017−09−10 13:55:47
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_105_02_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
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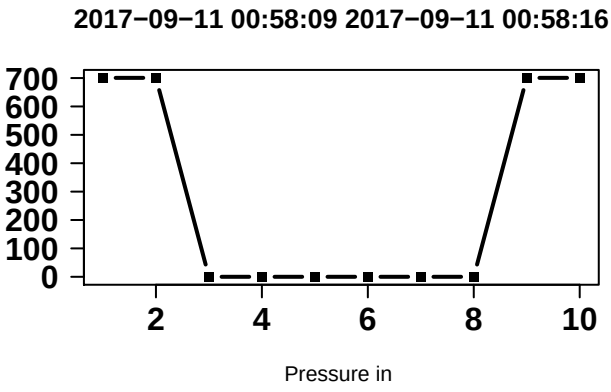
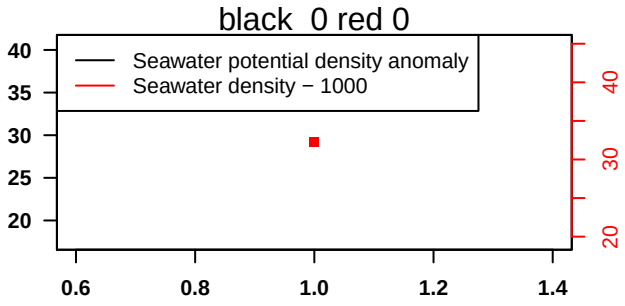
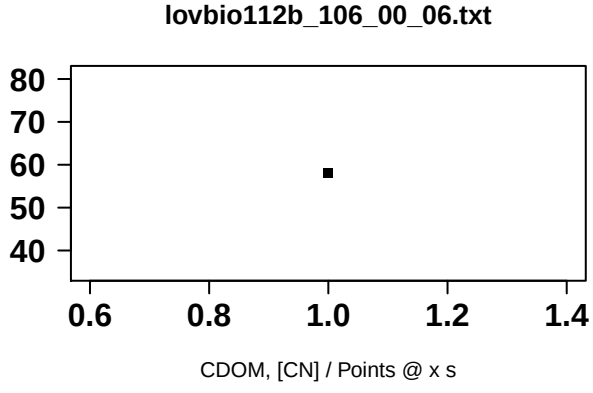
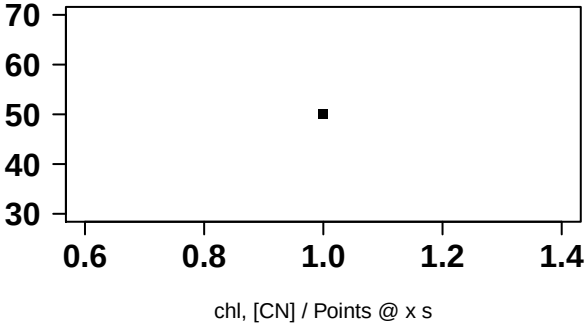
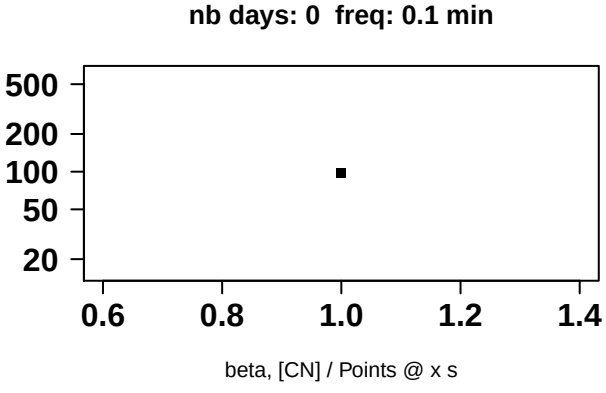
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−11 00:58:09 2017−09−11 00:58:16
700
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_106_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
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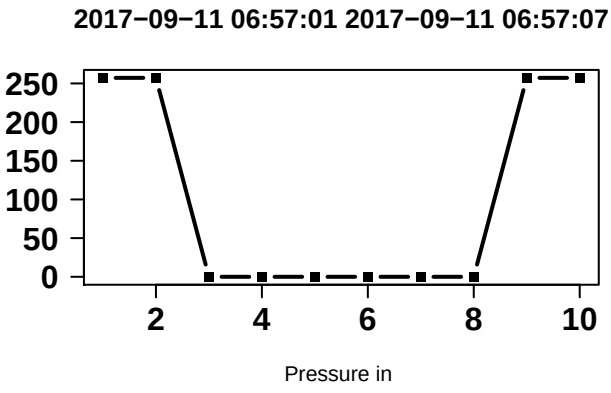
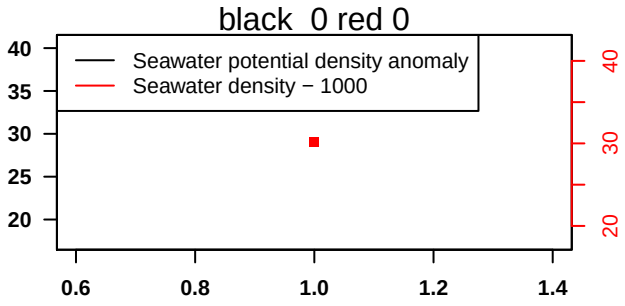
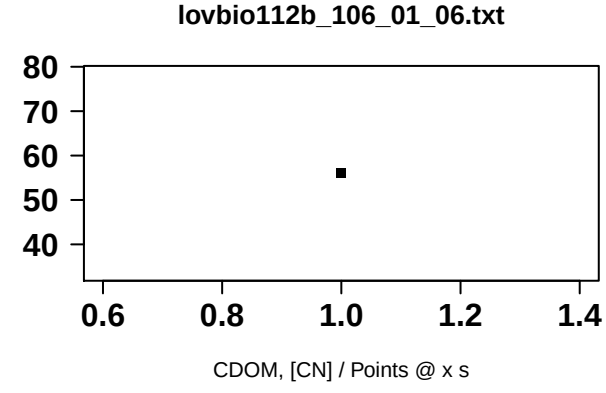
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−11 06:57:01 2017−09−11 06:57:07
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_106_01_06.txt
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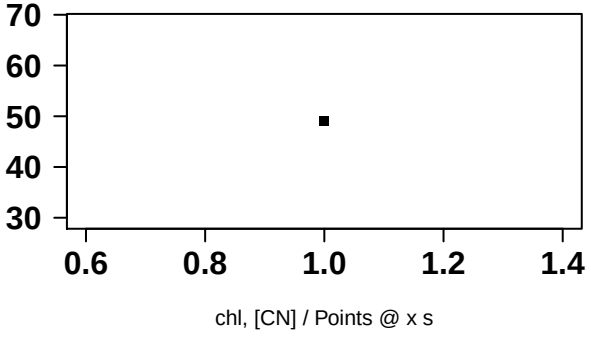
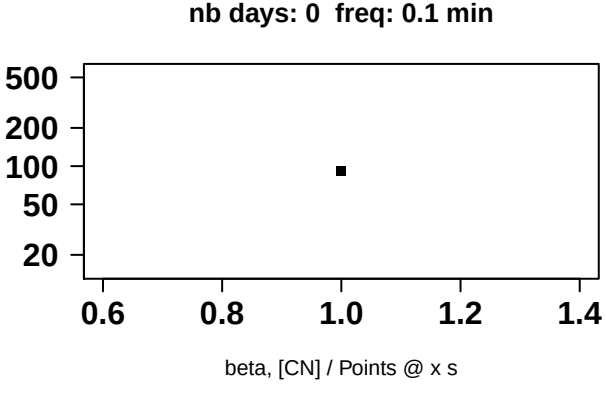
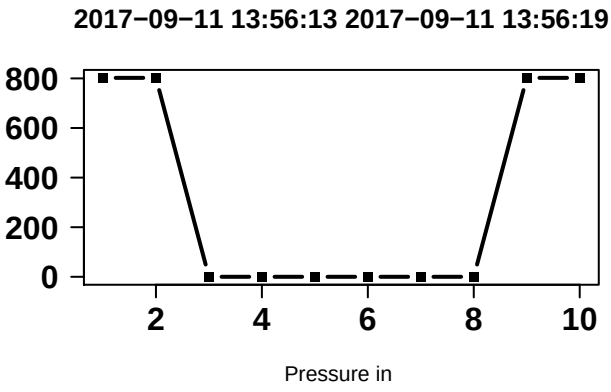
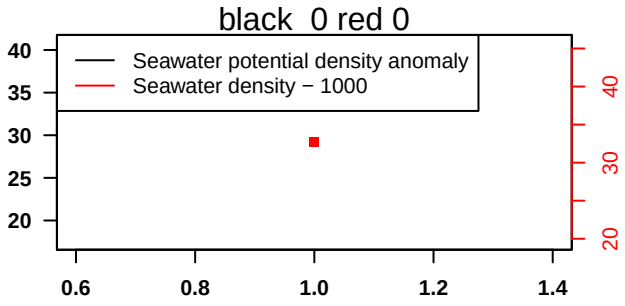
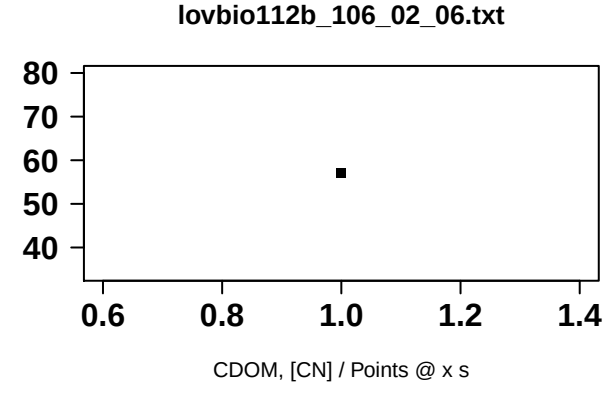
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s

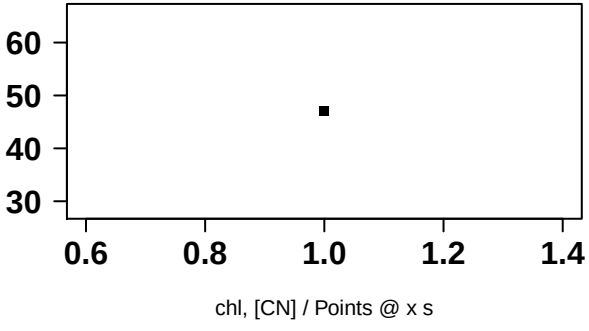

70
60
50
40
30
0.6
0.8
1.0
1.2
1.4
chl, [CN] / Points @ x s

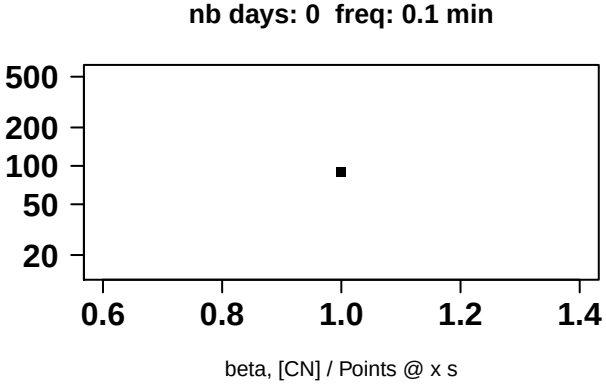

nb days: 0 freq: 0.1 min
500
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s

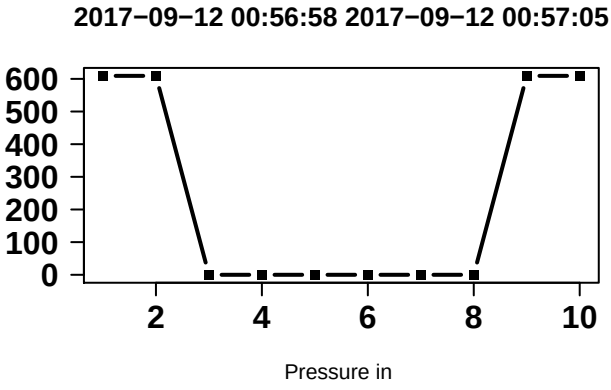

2017−09−11 13:56:13 2017−09−11 13:56:19
800
600
400
200
0
2
4
6
8
10
Pressure in

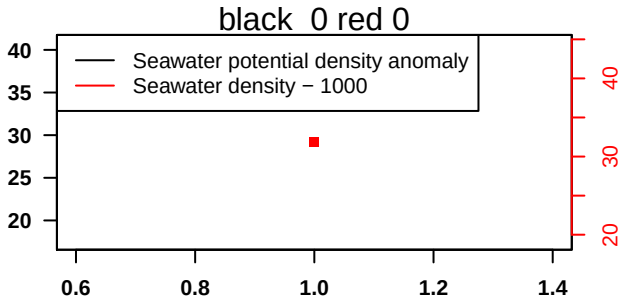

black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20

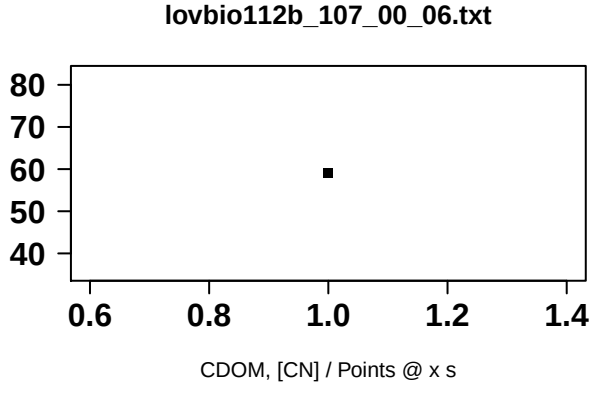

lovbio112b_106_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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


2017−09−12 00:56:58 2017−09−12 00:57:05
600
500
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_107_00_06.txt
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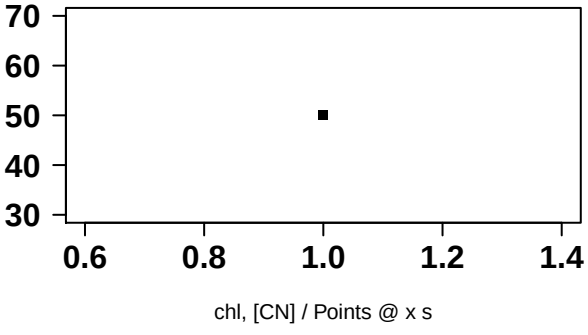
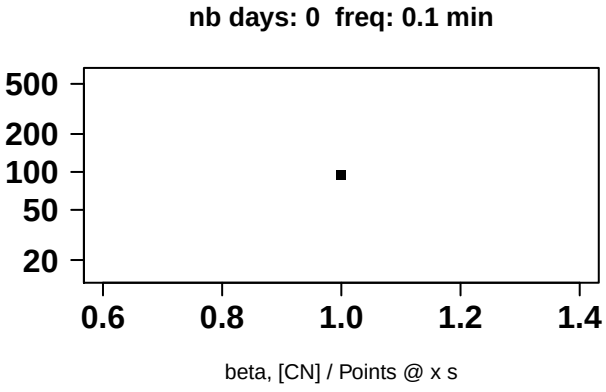
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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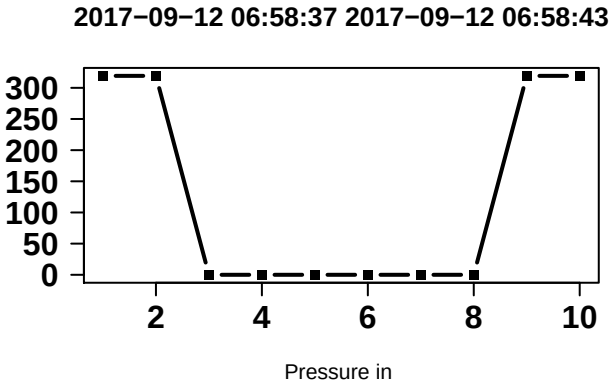
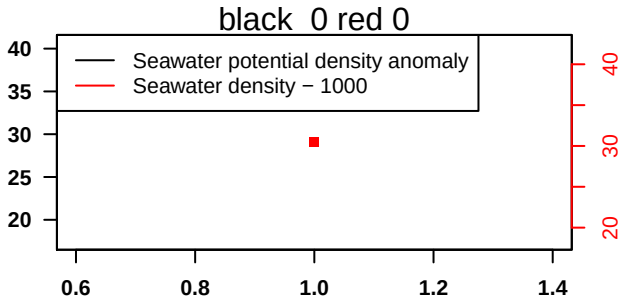
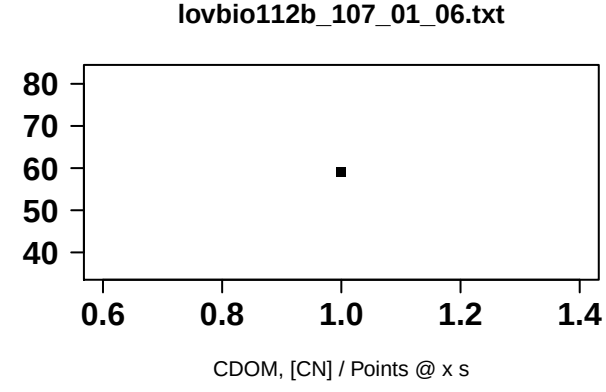
200
100
50
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−12 06:58:37 2017−09−12 06:58:43
300
250
200
150
100
50
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_107_01_06.txt
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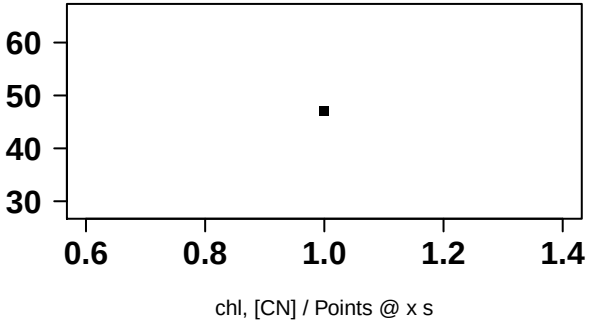
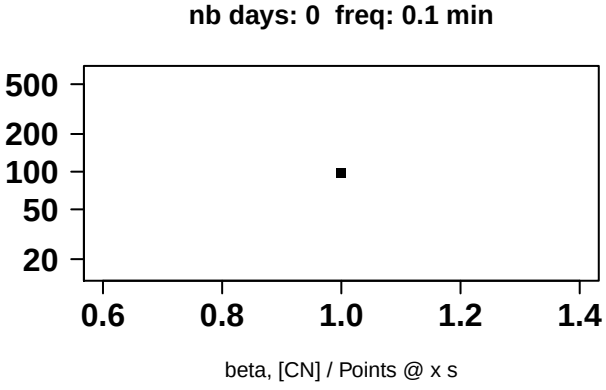
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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
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200
100
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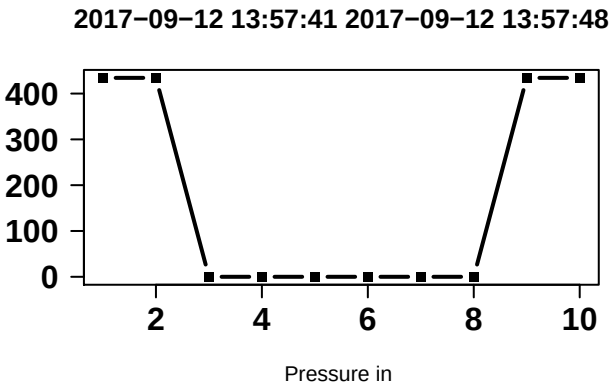
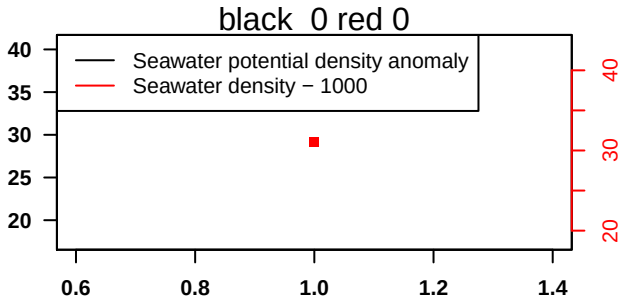
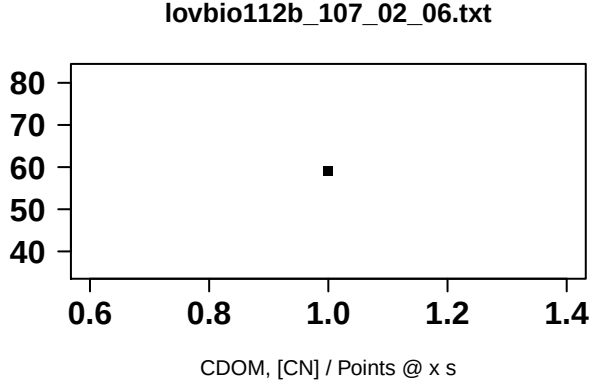
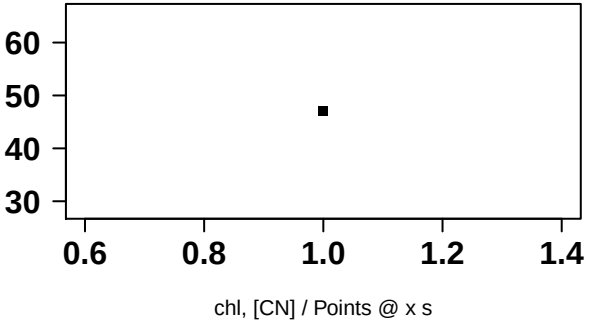
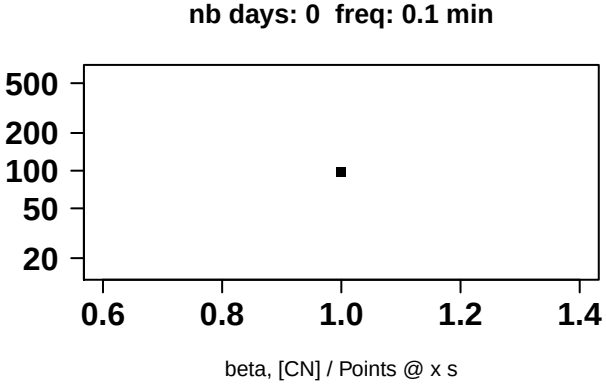
20
0.6
0.8
1.0
1.2
1.4
beta, [CN] / Points @ x s


2017−09−12 13:57:41 2017−09−12 13:57:48
400
300
200
100
0
2
4
6
8
10
Pressure in


black 0 red 0
Seawater potential density anomaly
Seawater density − 1000
40
35
30
25
20
0.6
0.8
1.0
1.2
1.4
40
30
20


lovbio112b_107_02_06.txt
80
70
60
50
40
0.6
0.8
1.0
1.2
1.4
CDOM, [CN] / Points @ x s


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