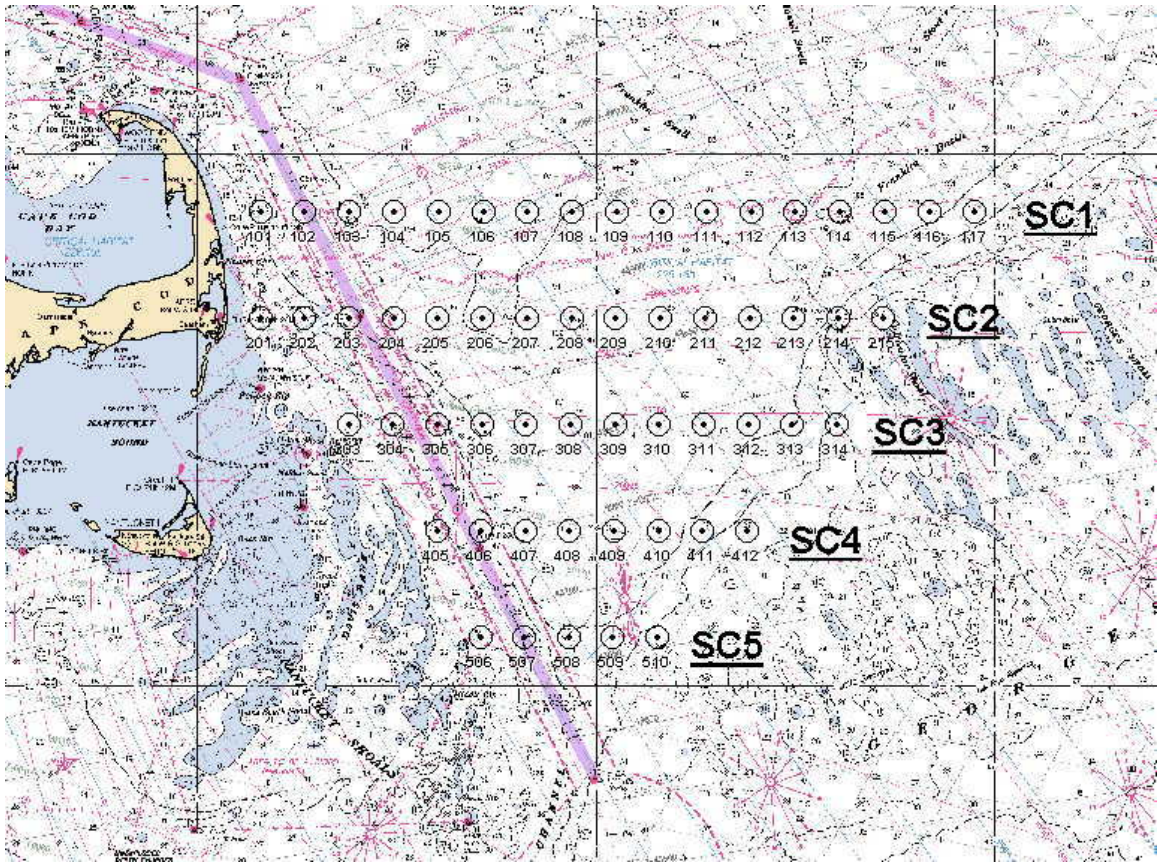
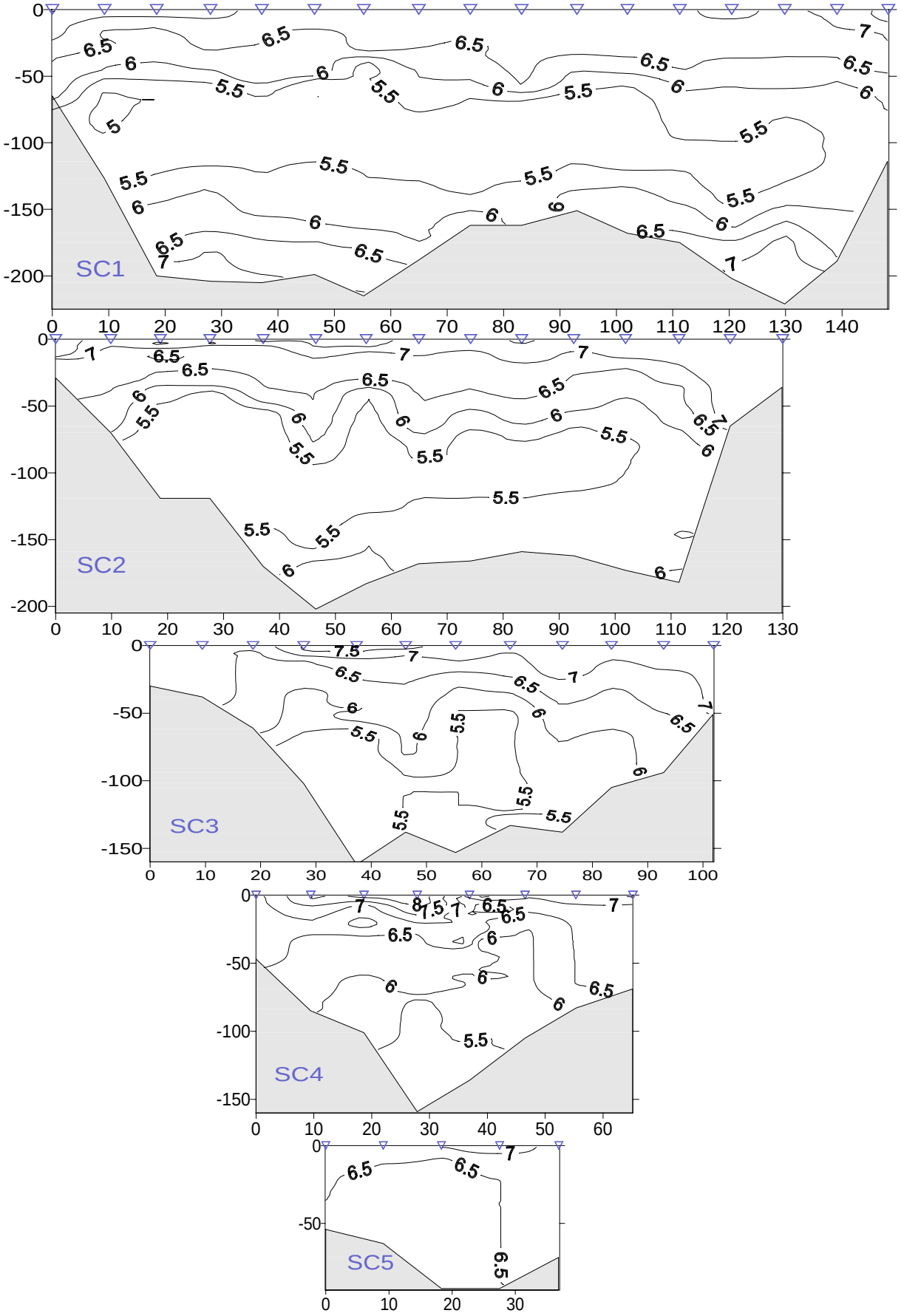
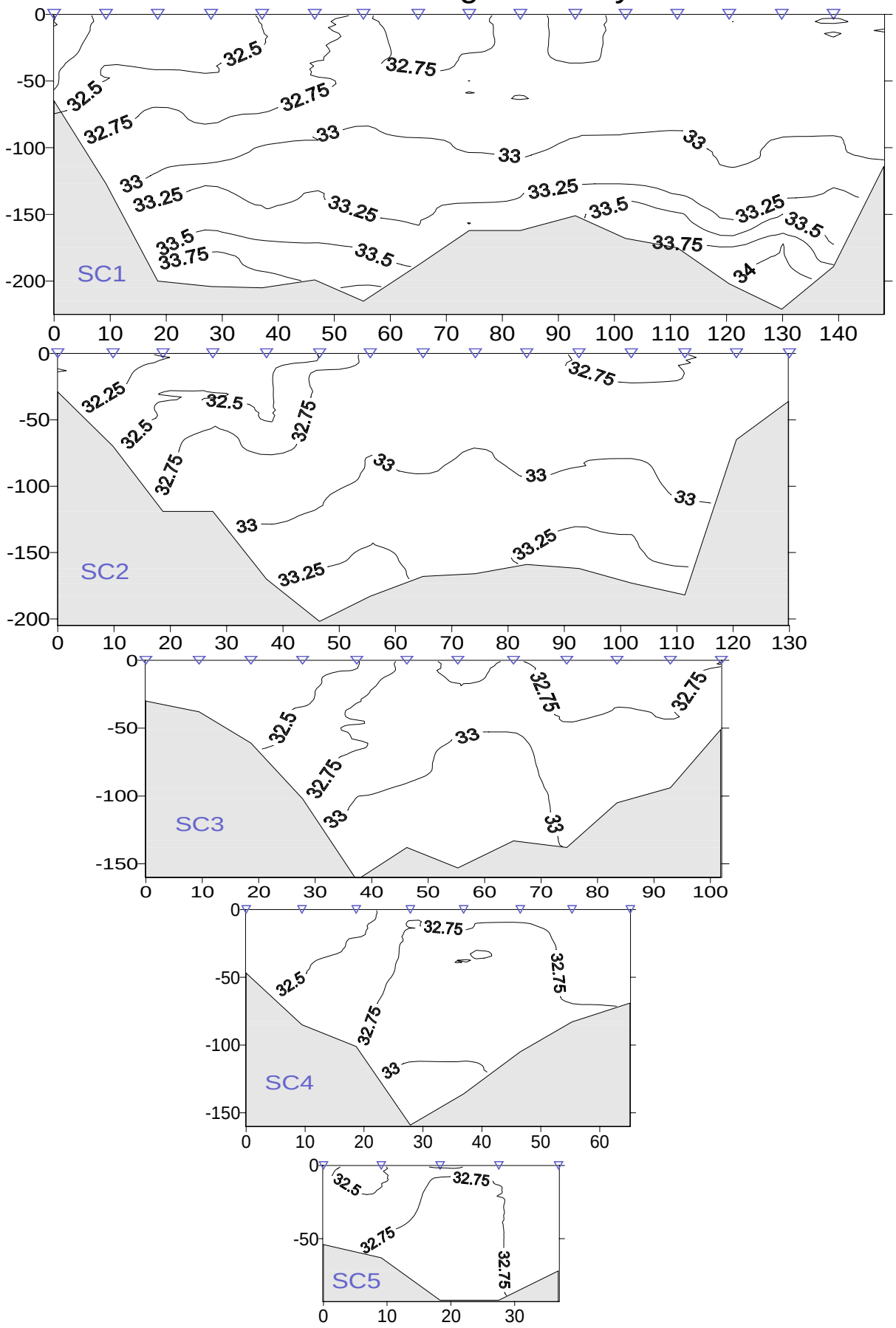

SC1
SC2
SC3
SC4
SC5
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117
201 202 203 204 205 206 207 208 209 210 211 212 213 214 215
303 304 305 306 307 308 309 310 311 312 313 314
405 406 407 408 409 410 411 412
506 507 508 509 510

ALB0604 Leg 1 Temperature



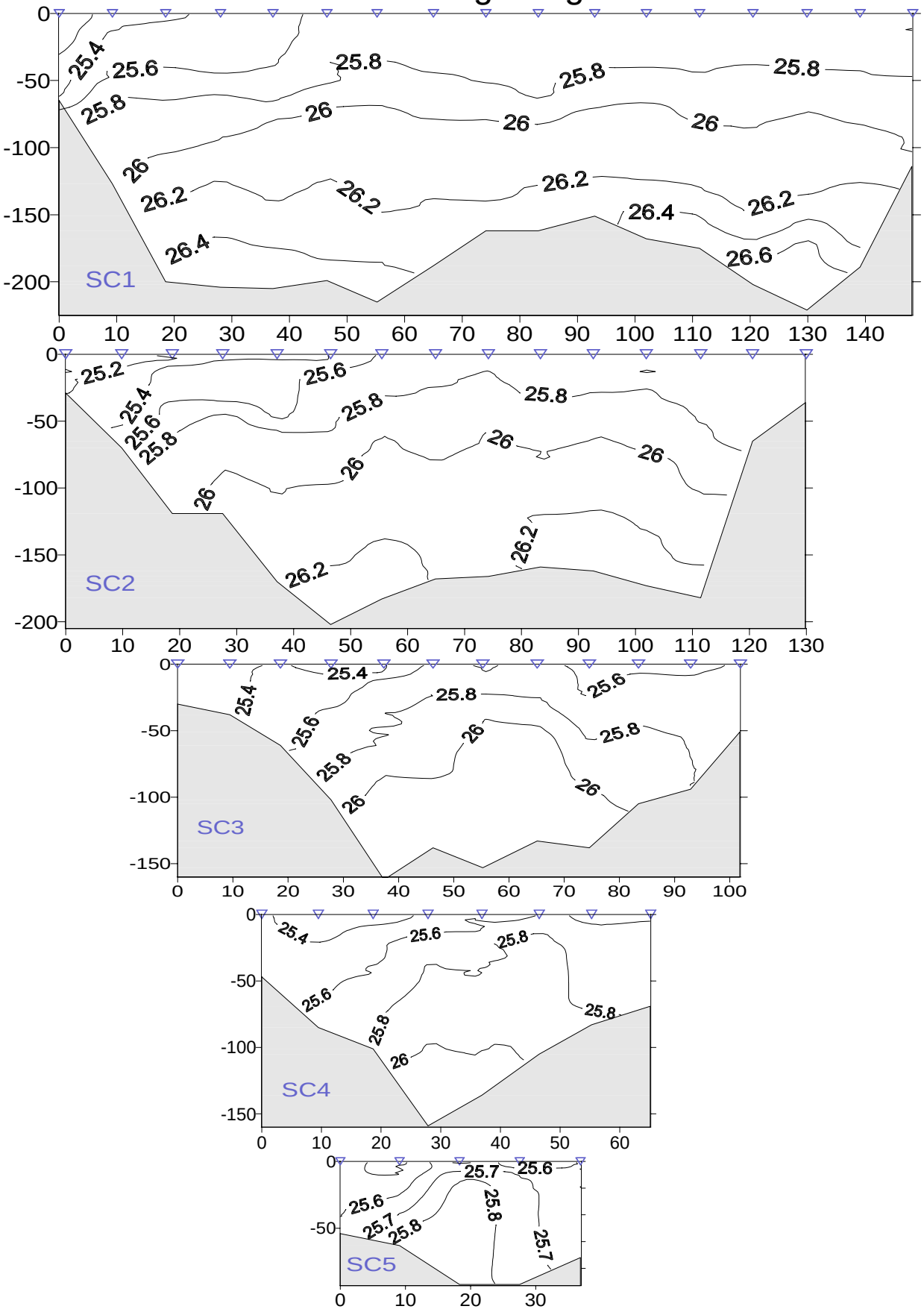
Distance (km from western-most station)

ALB0604 Leg 1 Salinity



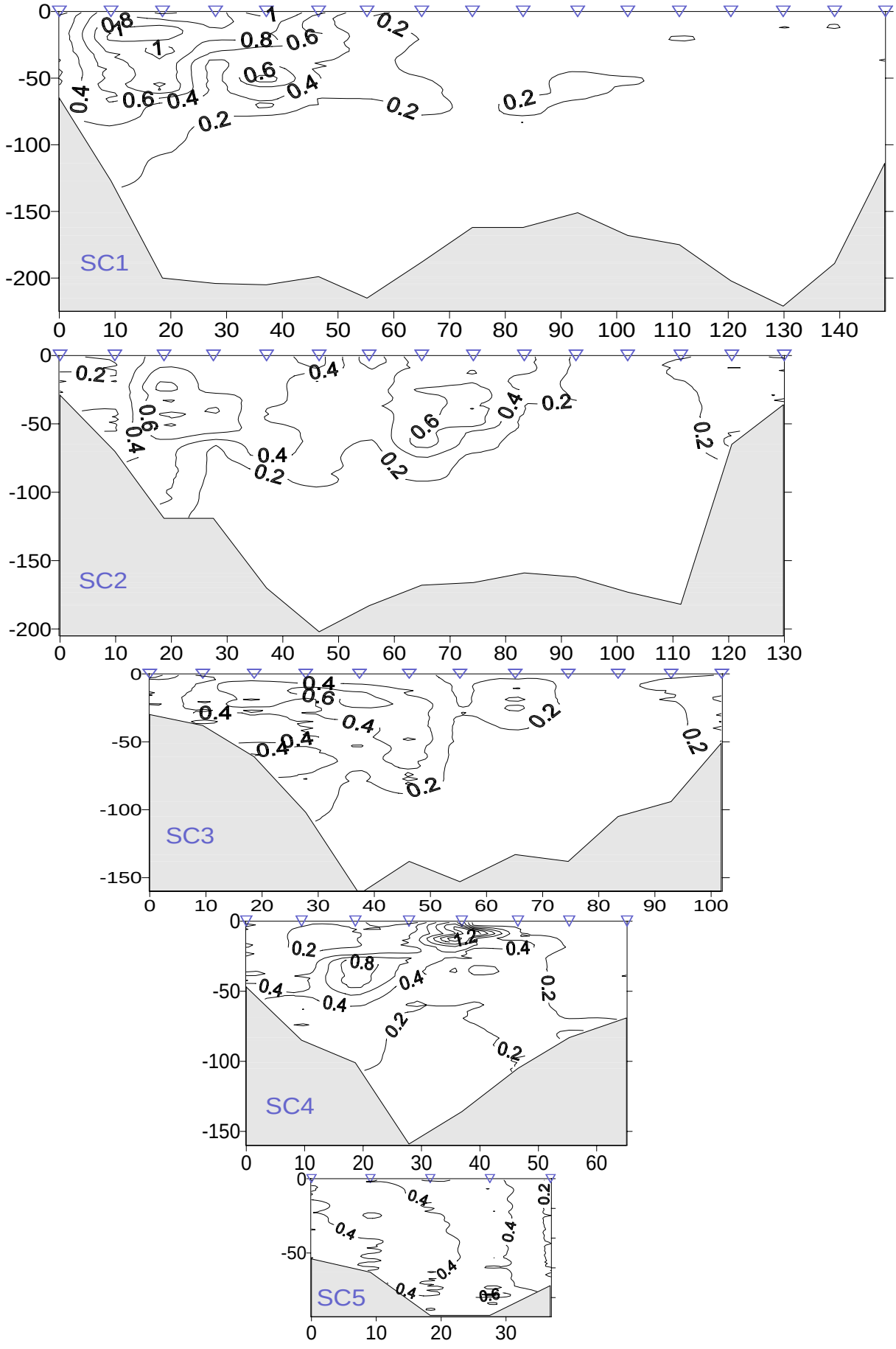
Distance (km from western-most station)

ALB0604 Leg 1 Sigma-t

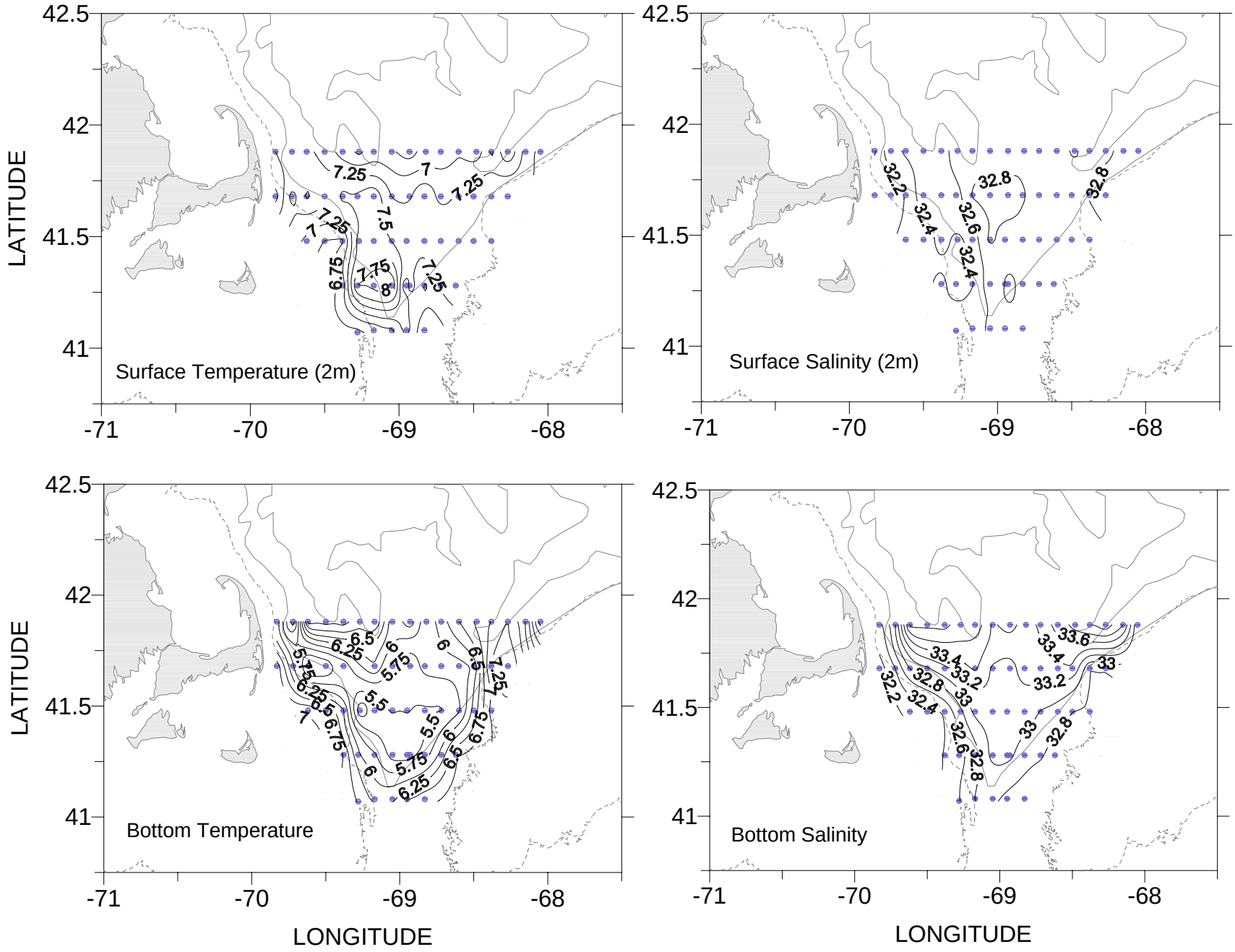


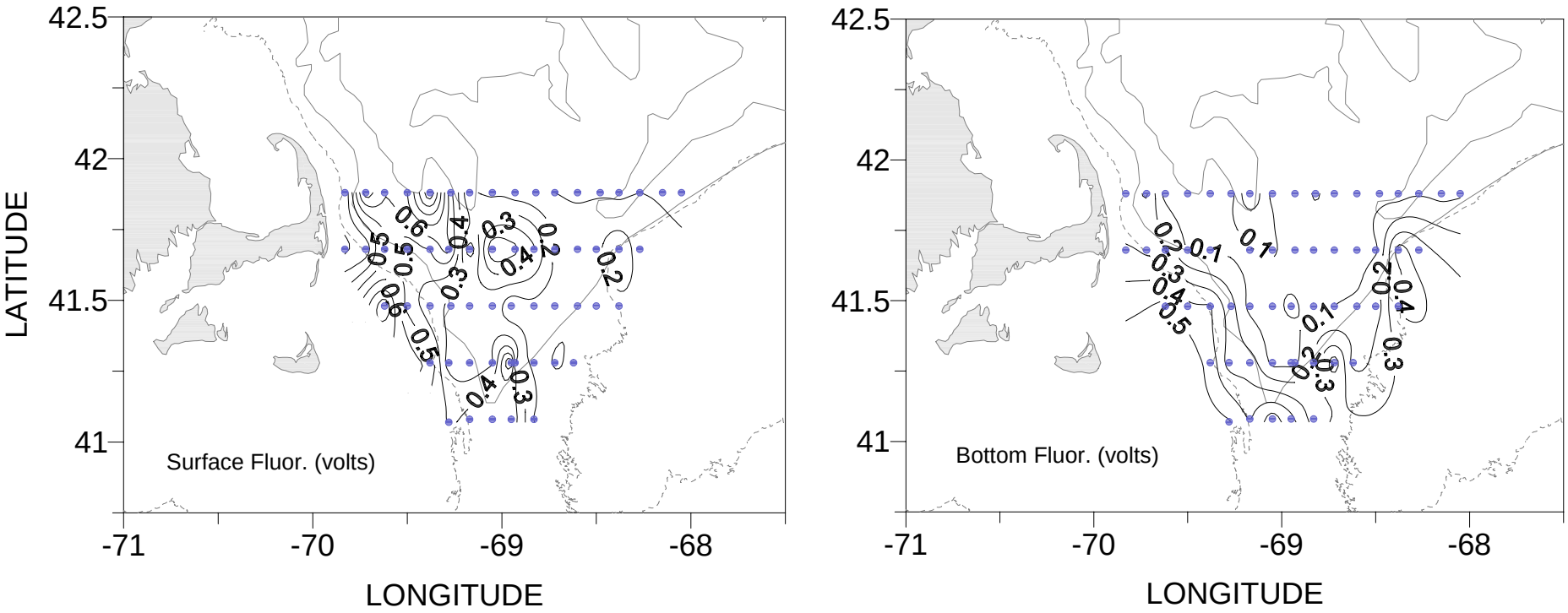
Distance (km from western-most station)

ALB0604 Leg 1 Fluorometer (Voltage)

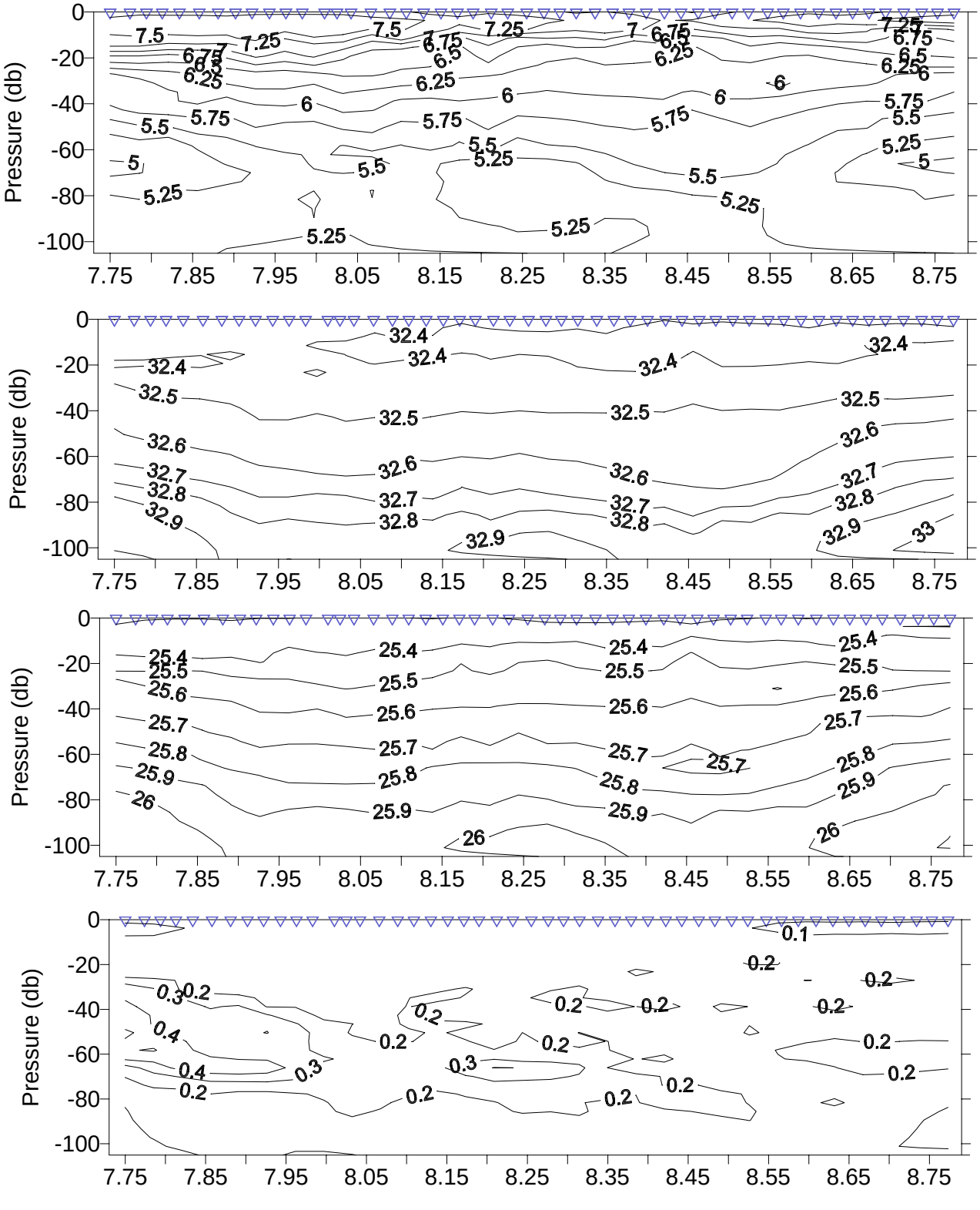


Distance (km from western-most station)


Surface Temperature (2m)
Surface Salinity (2m)
Bottom Temperature
Bottom Salinity
LATITUDE
LONGITUDE
42.5
42
41.5
41
-71
-70
-69
-68


LATITUDE
42.5
42
41.5
41
-71
-70
-69
-68
LONGITUDE
Surface Fluor. (volts)
Bottom Fluor. (volts)

ALB0604 Leg 1 Diel Vertical Migration Study



2006 GSC Right Whale Survey Leg1
4 - 10 May, 2006

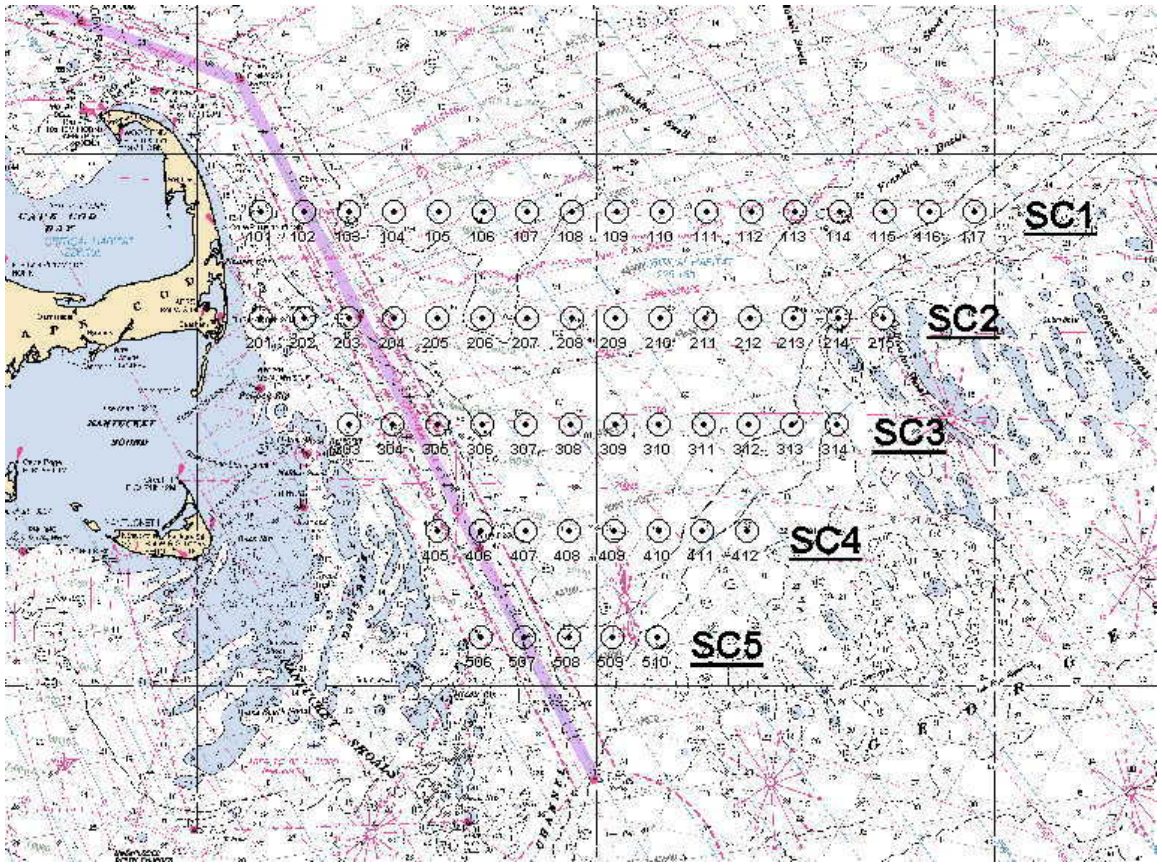
Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt
4	101	4153.3	6950.5	5	5	2006	3:19	66	7.51	31.99	6.13	32.32
5	102	4153.2	6943.7	5	5	2006	4:11	124	7.31	32.35	5.06	32.79
6	103	4153.3	6937.0	5	5	2006	5:13	199	7.32	32.42	7.12	33.85
7	104	4153.5	6930.4	5	5	2006	6:10	202	7.13	32.47	7.10	33.84
8	105	4153.3	6923.7	5	5	2006	7:01	203	6.89	32.50	7.12	33.86
9	106	4153.3	6916.7	5	5	2006	7:55	197	6.67	32.70	6.83	33.69
10	107	4153.3	6910.3	5	5	2006	8:49	214	6.88	32.76	7.00	33.74
11	108	4153.4	6903.3	5	5	2006	9:46	185	6.78	32.65	6.09	33.37
12	109	4153.3	6856.8	5	5	2006	10:37	164	6.63	32.70	6.40	33.49
13	110	4153.3	6849.9	5	5	2006	11:28	163	6.86	32.80	5.80	33.28
14	111	4153.2	6843.4	5	5	2006	12:26	152	6.81	32.69	6.14	33.45
15	112	4153.3	6836.6	5	5	2006	13:26	169	6.99	32.78	6.50	33.68
16	113	4153.3	6829.9	5	5	2006	14:19	175	6.83	32.80	6.81	33.87
17	114	4153.3	6823.3	5	5	2006	15:11	200	7.30	32.78	7.01	33.99
18	115	4153.4	6816.4	5	5	2006	16:04	221	6.76	32.79	7.26	34.13
19	116	4153.4	6809.8	5	5	2006	16:55	189	7.31	32.80	6.76	33.82
20	117	4153.4	6803.2	5	5	2006	17:45	114	7.57	32.82	5.61	33.04
21	215	4141.5	6816.8	5	5	2006	20:07	38	7.49	32.84	7.47	32.84
22	214	4141.4	6823.4	5	5	2006	20:52	65	7.39	32.81	7.32	32.81
23	213	4141.4	6830.2	5	5	2006	21:37	176	7.44	32.74	6.04	33.38
24	212	4141.4	6836.9	5	5	2006	22:25	171	7.30	32.73	5.92	33.33
25	211	4141.4	6843.4	5	5	2006	23:13	161	7.21	32.73	5.89	33.30
26	210	4141.3	6850.4	6	5	2006	0:01	156	7.62	32.82	5.87	33.29
27	209	4141.4	6856.9	6	5	2006	0:43	164	7.21	32.86	5.53	33.13
28	208	4141.2	6903.7	6	5	2006	1:30	170	7.24	32.85	5.63	33.17
29	207	4141.3	6910.4	6	5	2006	2:16	181	7.74	32.83	6.24	33.43
30	206	4141.2	6917.1	6	5	2006	3:02	198	7.54	32.50	6.32	33.46
31	205	4141.4	6923.7	6	5	2006	3:49	169	7.55	32.43	5.58	33.15
32	204	4141.4	6930.4	6	5	2006	4:37	118	7.35	32.36	5.31	32.97
33	203	4141.4	6937.2	6	5	2006	5:25	122	7.36	32.31	5.14	32.81
34	202	4141.3	6943.7	6	5	2006	6:11	69	7.14	32.04	6.03	32.40
35	201	4141.5	6950.7	6	5	2006	7:00	28	7.86	32.06	6.90	32.11
36	303	4129.4	6937.2	6	5	2006	8:46	29	6.94	32.27	6.94	32.27
37	304	4129.3	6930.3	6	5	2006	9:28	38	6.74	32.29	6.73	32.29
38	305	4129.2	6923.8	6	5	2006	10:10	61	6.58	32.35	6.28	32.43
39	306	4129.2	6916.7	6	5	2006	10:53	106	7.61	32.36	5.06	32.75
40	307	4129.2	6910.5	6	5	2006	11:34	162	7.56	32.47	5.41	33.06
41	308	4129.4	6903.7	6	5	2006	12:25	140	7.62	32.81	5.52	33.11

2006 GSC Right Whale Survey Leg1
4 - 10 May, 2006

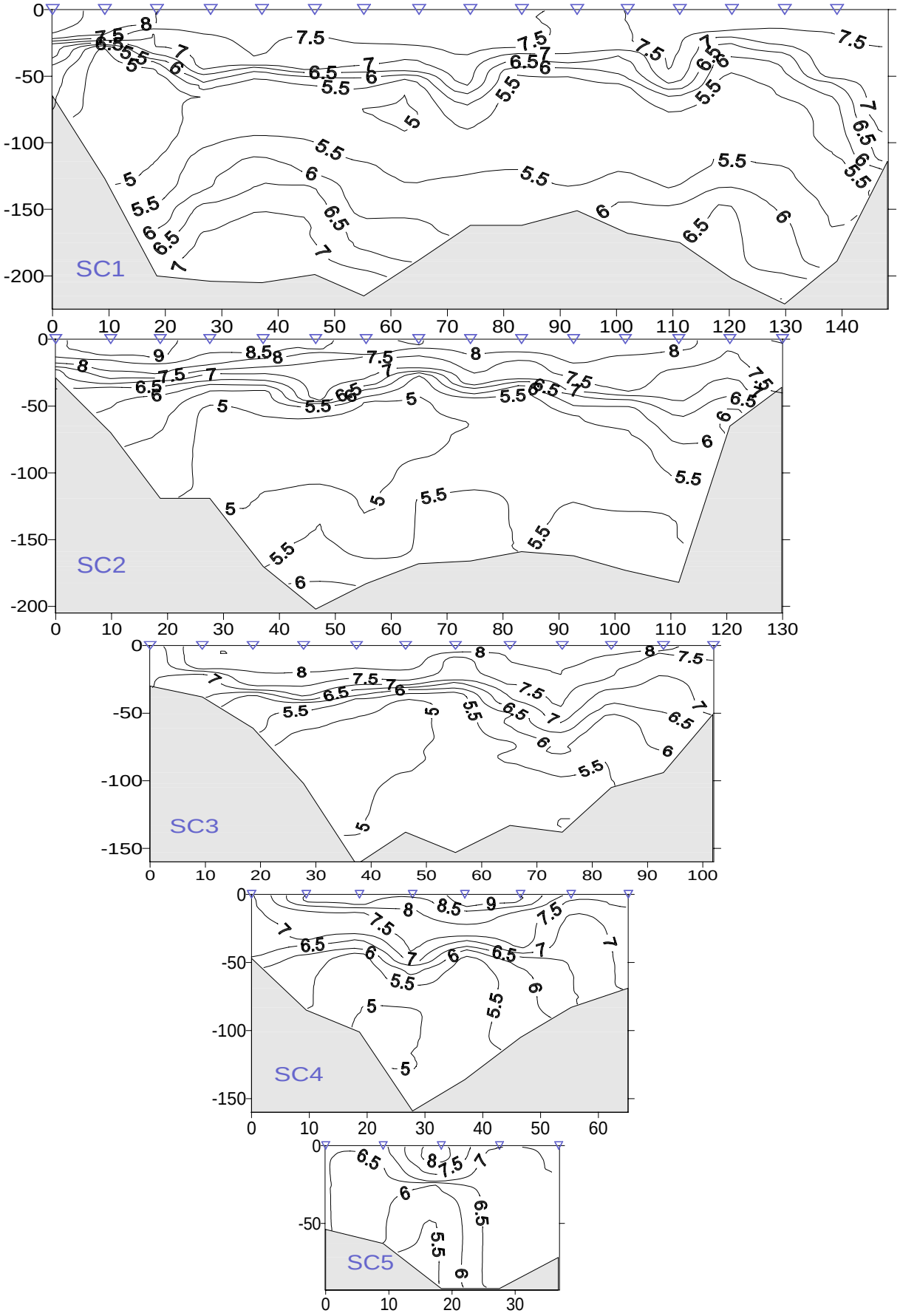
Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt
42	309	4129.4	6857.0	6	5	2006	13:11	153	7.34	32.69	5.52	33.13
43	310	4129.4	6850.3	6	5	2006	13:58	131	7.30	32.76	5.49	33.11
44	311	4129.3	6843.7	6	5	2006	14:45	136	7.45	32.68	5.49	32.99
45	312	4129.4	6836.8	6	5	2006	15:36	104	7.39	32.68	5.70	32.92
46	313	4129.4	6830.5	6	5	2006	16:19	94	7.42	32.66	6.34	32.80
47	314	4129.5	6823.9	6	5	2006	17:17	50	7.37	32.74	7.07	32.78
48	412	4117.4	6837.2	6	5	2006	19:37	68	7.54	32.61	6.73	32.71
49	411	4117.6	6843.9	6	5	2006	20:17	82	7.23	32.65	6.09	32.83
50	410	4117.5	6850.4	6	5	2006	21:00	107	6.96	32.72	5.62	32.88
51	409	4117.6	6857.1	6	5	2006	21:46	134	6.95	32.61	5.40	33.04
52	409	4117.7	6856.9	6	5	2006	22:01	135	7.60	32.53	5.40	33.04
53	408	4117.4	6903.6	6	5	2006	22:47	158	8.29	32.71	5.41	33.06
54	407	4117.5	6910.5	6	5	2006	23:38	101	8.05	32.37	5.79	32.71
55	406	4117.3	6917.1	7	5	2006	0:25	84	8.02	32.34	6.05	32.53
56	405	4117.3	6923.9	7	5	2006	1:17	45	6.84	32.43	6.75	32.42
57	506	4104.9	6917.1	7	5	2006	3:09	56	6.66	32.51	6.47	32.59
58	507	4105.4	6910.7	7	5	2006	3:49	61	6.88	32.47	6.19	32.81
59	508	4105.5	6903.9	7	5	2006	4:40	95	7.00	32.87	6.20	32.84
60	509	4105.6	6857.3	7	5	2006	5:30	89	7.33	32.61	6.50	32.75
61	510	4105.5	6850.7	7	5	2006	6:19	71	6.79	32.62	6.67	32.65
62	DVM1	4117.2	6908.9	7	5	2006	18:00	102	7.59	32.48	5.40	33.02
63	2	4117.1	6908.9	7	5	2006	18:34	103	7.72	32.52	5.39	33.01
64	3	4117.4	6908.9	7	5	2006	19:02	105	7.69	32.53	5.39	33.01
65	4	4117.3	6908.9	7	5	2006	19:31	104	7.68	32.52	5.37	32.98
66	5	4117.3	6908.8	7	5	2006	20:01	105	7.68	32.53	5.34	32.95
67	6	4117.4	6908.9	7	5	2006	20:36	105	7.74	32.46	5.30	32.93
68	7	4117.4	6908.8	7	5	2006	21:08	107	7.77	32.45	5.25	32.90
69	8	4117.3	6908.9	7	5	2006	21:38	105	7.91	32.44	5.20	32.85
70	9	4117.4	6908.8	7	5	2006	22:07	107	7.86	32.43	5.20	32.84
71	10	4117.2	6908.7	7	5	2006	22:37	105	7.84	32.42	5.21	32.81
72	11	4117.3	6908.6	7	5	2006	23:06	107	7.79	32.42	5.22	32.80
73	12	4117.2	6908.9	7	5	2006	23:34	103	7.58	32.40	5.22	32.78
74	13	4117.2	6908.8	8	5	2006	0:13	103	7.58	32.40	5.23	32.77
75	14	4117.1	6908.7	8	5	2006	0:36	103	7.53	32.40	5.24	32.76
76	15	4117.2	6908.9	8	5	2006	1:01	102	7.73	32.39	5.22	32.77
77	16	4117.2	6908.6	8	5	2006	1:34	104	7.77	32.38	5.24	32.80
78	17	4117.1	6908.8	8	5	2006	2:07	103	7.81	32.40	5.23	32.80
79	18	4117.1	6908.8	8	5	2006	2:37	102	7.71	32.41	5.26	32.83

2006 GSC Right Whale Survey Leg1
4 - 10 May, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt
80	19	4117.2	6908.8	8	5	2006	3:07	103	7.68	32.42	5.26	32.87
81	20	4117.2	6908.7	8	5	2006	3:37	104	7.54	32.44	5.30	32.92
82	21	4117.3	6908.9	8	5	2006	4:05	104	7.57	32.45	5.31	32.94
83	22	4117.2	6908.8	8	5	2006	4:34	103	7.39	32.41	5.34	32.96
84	23	4117.2	6908.8	8	5	2006	5:04	102	7.42	32.43	5.35	32.97
85	24	4117.2	6908.9	8	5	2006	5:34	102	7.39	32.45	5.36	32.98
86	25	4117.3	6909.0	8	5	2006	6:07	103	7.29	32.41	5.36	32.98
87	26	4117.3	6908.9	8	5	2006	6:37	102	7.24	32.40	5.35	32.98
88	27	4117.3	6908.9	8	5	2006	7:04	104	7.04	32.38	5.34	32.97
89	28	4117.3	6908.8	8	5	2006	7:33	103	7.20	32.40	5.32	32.95
90	29	4117.2	6908.9	8	5	2006	8:07	103	7.17	32.40	5.28	32.93
91	30	4117.4	6909.0	8	5	2006	8:37	105	7.22	32.41	5.26	32.91
92	31	4117.1	6909.0	8	5	2006	9:06	101	7.05	32.39	5.20	32.86
93	32	4117.3	6908.7	8	5	2006	9:36	106	7.13	32.41	5.19	32.85
94	33	4117.2	6909.0	8	5	2006	10:07	102	7.05	32.39	5.17	32.81
95	34	4117.2	6908.9	8	5	2006	10:36	103	7.07	32.39	5.17	32.80
96	35	4117.2	6909.0	8	5	2006	11:07	102	7.19	32.38	5.21	32.78
97	36	4117.2	6908.9	8	5	2006	11:36	102	7.20	32.39	5.22	32.76
98	37	4117.2	6908.9	8	5	2006	12:06	103	7.13	32.37	5.24	32.76
99	38	4117.2	6908.8	8	5	2006	12:34	104	7.21	32.35	5.21	32.78
100	39	4117.2	6908.8	8	5	2006	13:07	104	7.18	32.36	5.18	32.80
101	40	4117.2	6908.8	8	5	2006	13:34	103	6.68	32.38	5.20	32.79
102	41	4117.1	6908.8	8	5	2006	14:04	103	7.44	32.33	5.22	32.88
103	42	4117.0	6908.9	8	5	2006	14:37	102	7.35	32.36	5.22	32.87
104	43	4117.1	6908.9	8	5	2006	15:07	103	7.54	32.30	5.28	32.93
105	44	4117.0	6908.8	8	5	2006	15:36	103	7.66	32.38	5.31	32.96
106	45	4117.3	6908.8	8	5	2006	16:04	104	7.85	32.39	5.40	33.03
107	46	4117.1	6908.7	8	5	2006	16:34	104	7.78	32.40	5.40	33.04
108	47	4117.3	6908.9	8	5	2006	17:06	103	7.80	32.46	5.41	33.04
109	48	4117.3	6908.7	8	5	2006	17:37	104	7.75	32.45	5.41	33.05
110	49	4117.3	6909.1	8	5	2006	18:04	104	7.72	32.44	5.40	33.04
111	50	4117.5	6908.9	8	5	2006	18:32	104	7.75	32.45	5.41	33.05

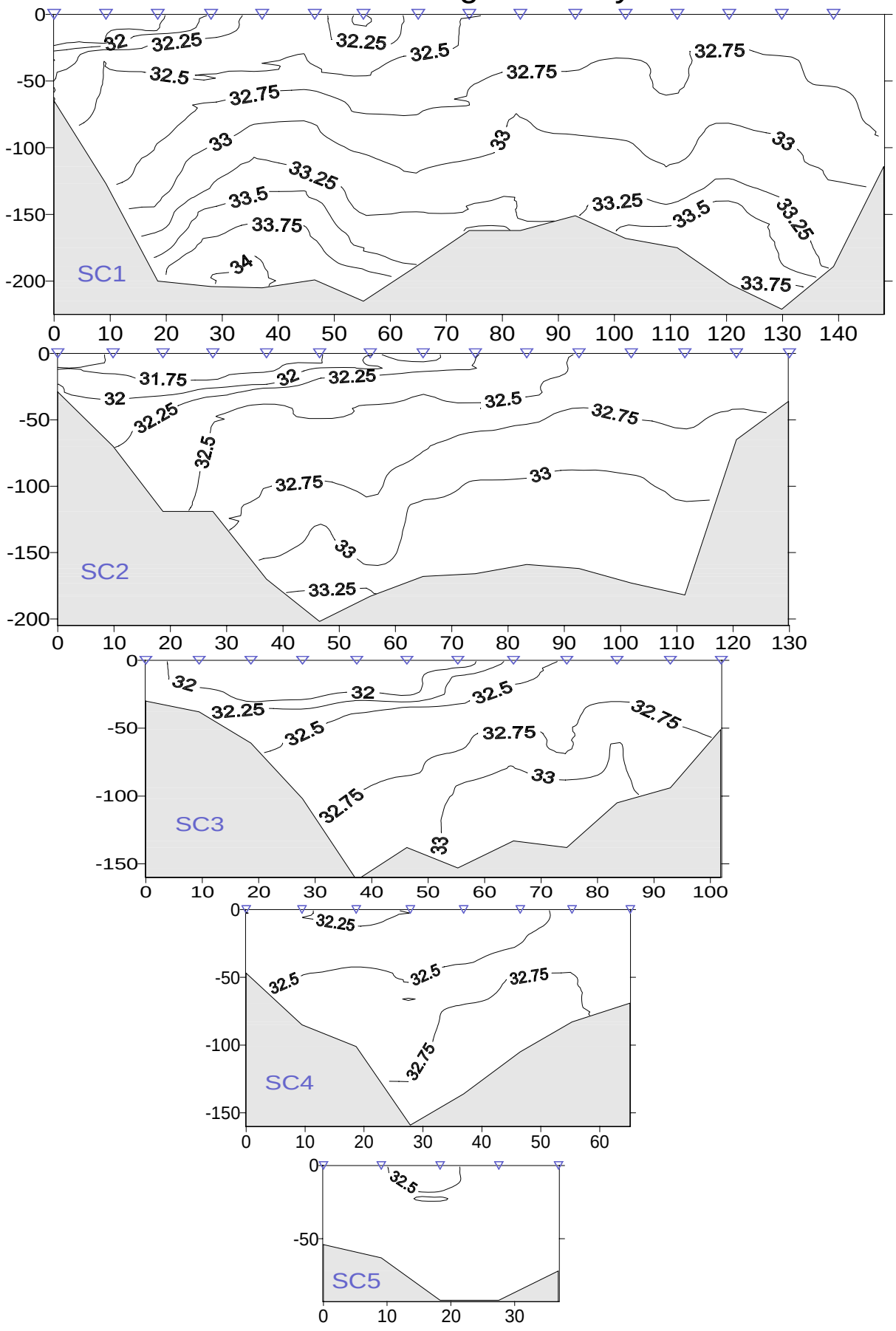

SC1
SC2
SC3
SC4
SC5
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117
201 202 203 204 205 206 207 208 209 210 211 212 213 214 215
303 304 305 306 307 308 309 310 311 312 313 314
405 406 407 408 409 410 411 412
506 507 508 509 510

ALB0604 Leg 2 Temperature



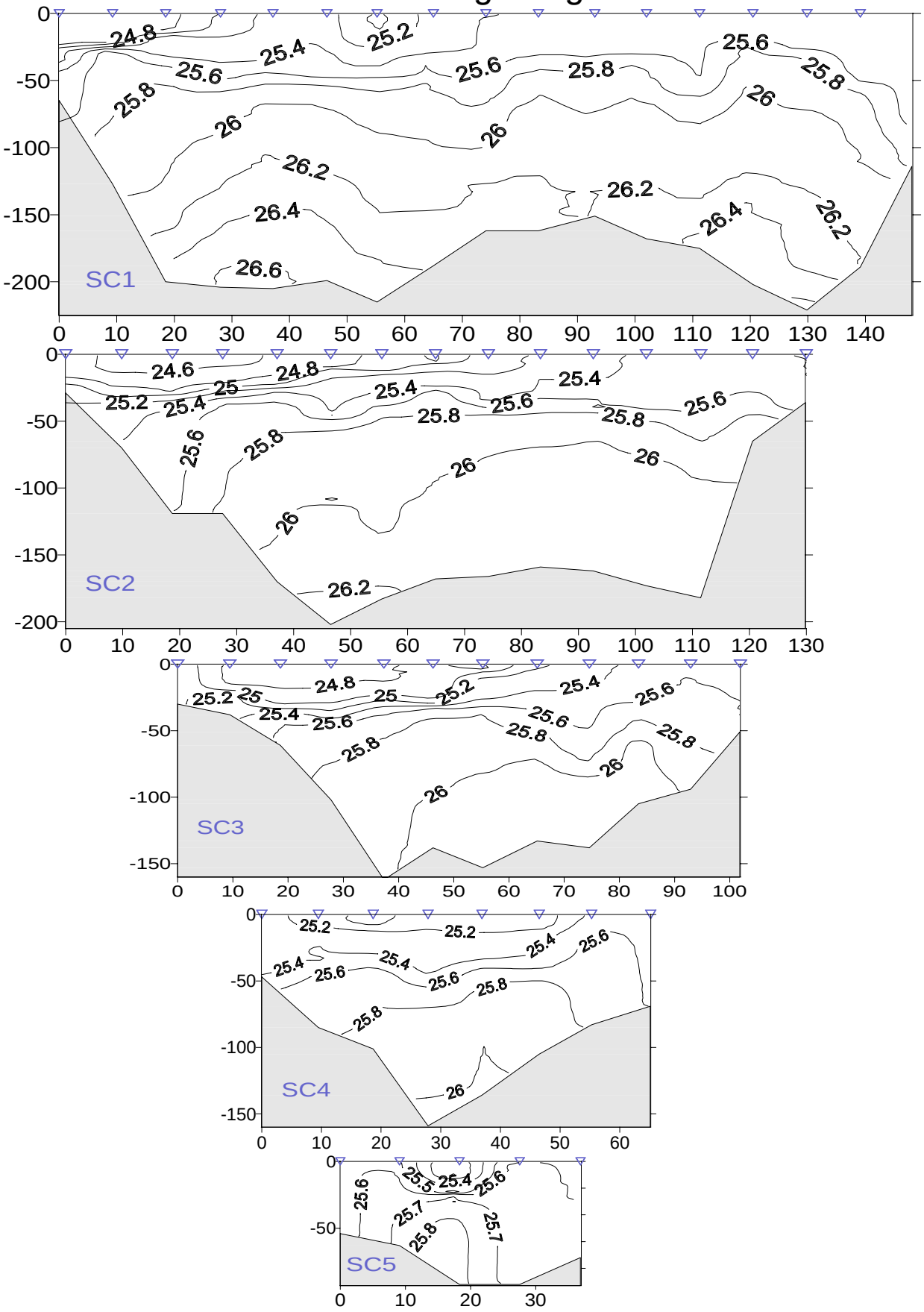
Distance (km from western-most station)

ALB0604 Leg 2 Salinity



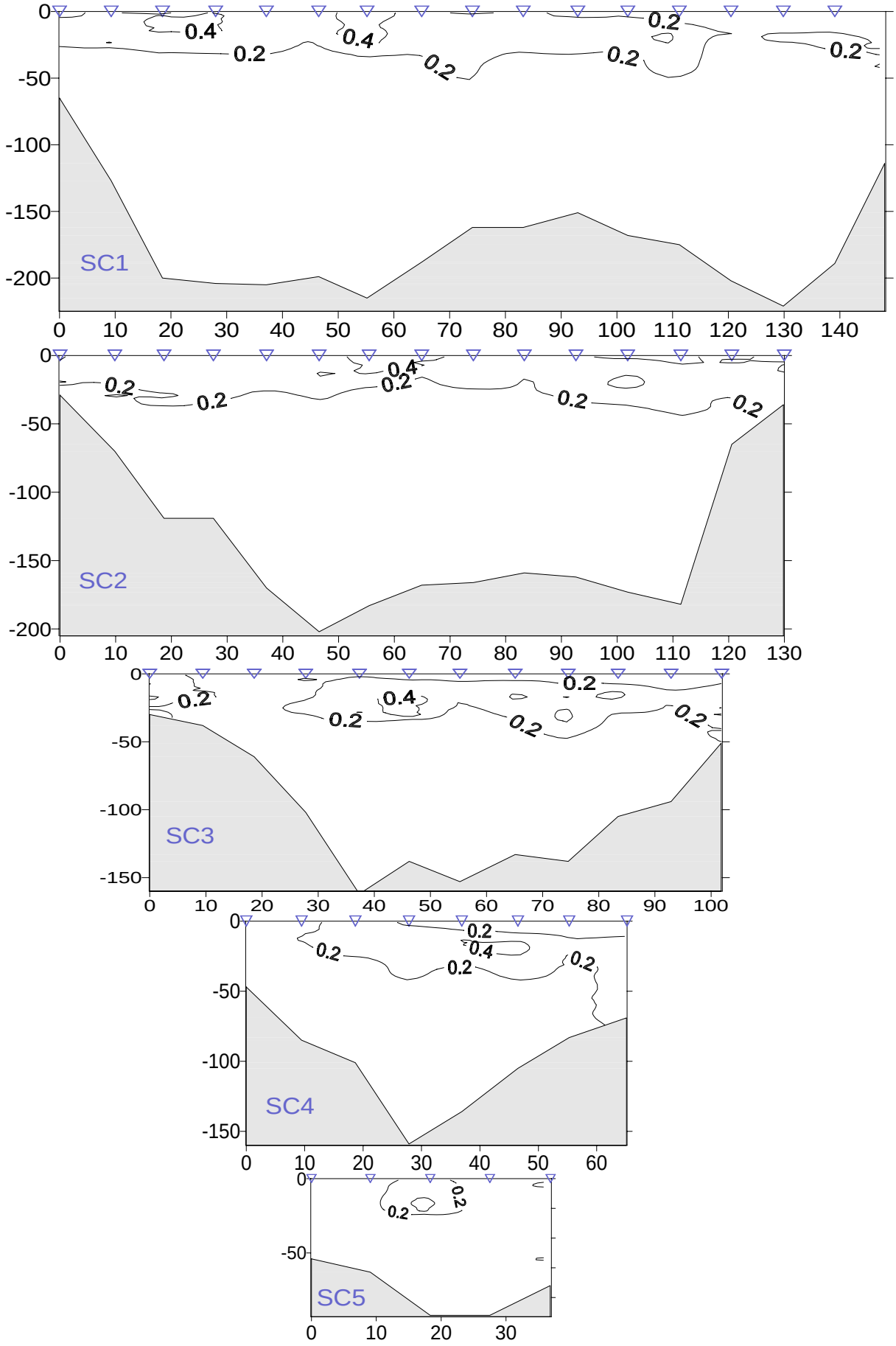
Distance (km from western-most station)

ALB0604 Leg 2 Sigma-t

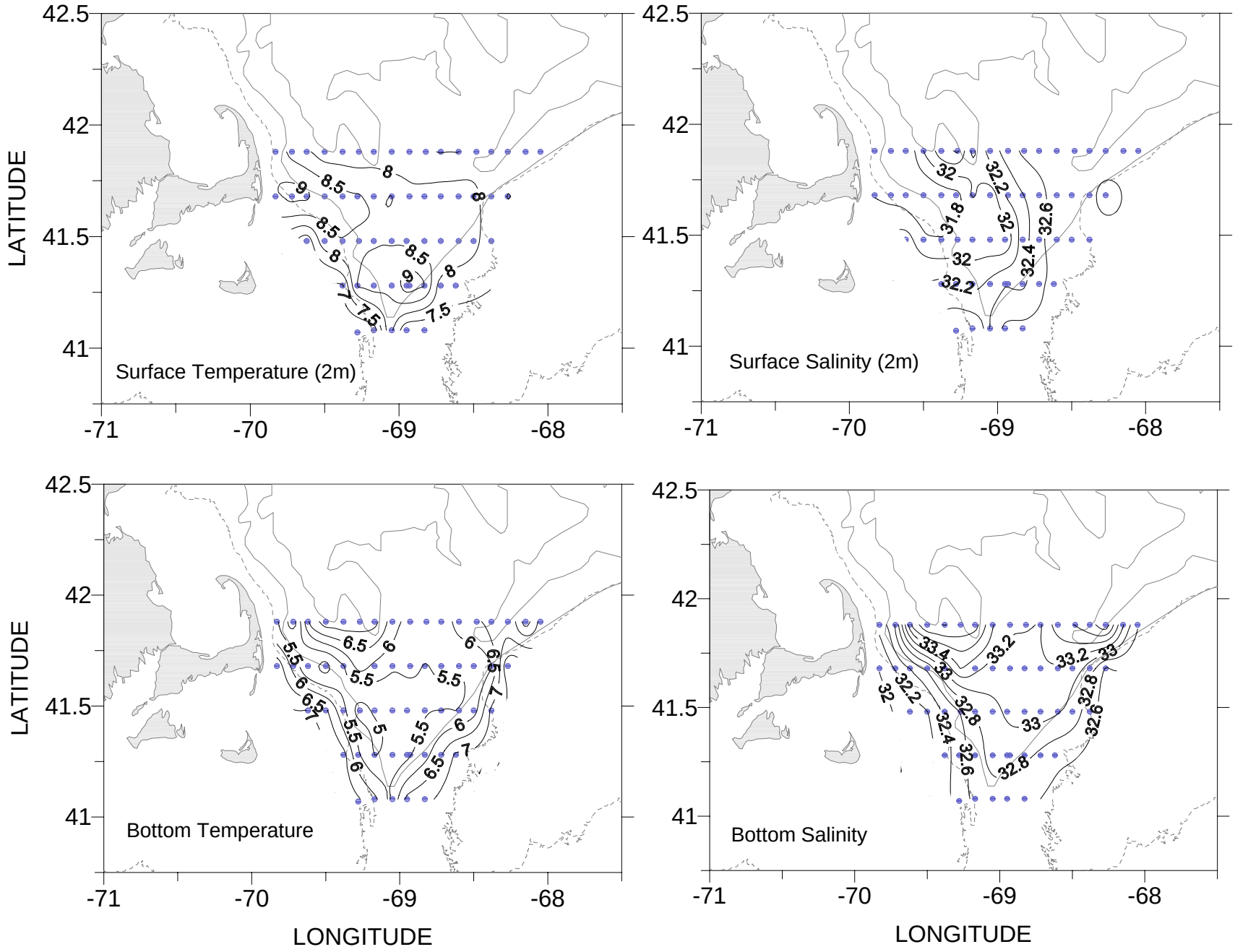


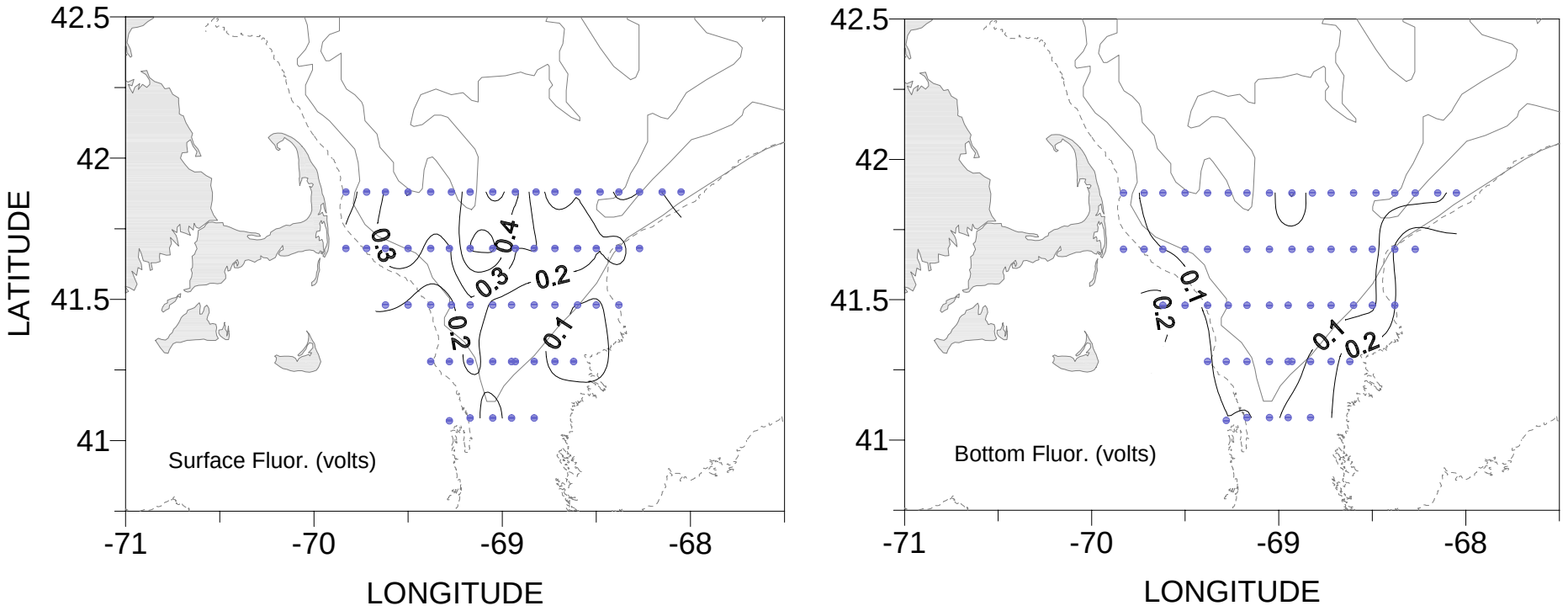
Distance (km from western-most station)

ALB0604 Leg 2 Fluorometer (Voltage)



Distance (km from western-most station)


Surface Temperature (2m)
Surface Salinity (2m)
Bottom Temperature
Bottom Salinity
LATITUDE
LONGITUDE
42.5
42
41.5
41
-71
-70
-69
-68


LATITUDE
42.5
42
41.5
41
-71
-70
-69
-68
LONGITUDE
Surface Fluor. (volts)
0.3
0.4
0.3
0.2
0.2
0.1
Bottom Fluor. (volts)
0.1
0.2
0.1
0.2

2006 GSC Right Whale Survey Leg2
16 - 26 May, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt
112	101	4153.4	6949.7	16	5	2006	22:13	75	8.81	31.72	5.51	32.27
113	102	4153.4	6943.4	16	5	2006	22:55	122	8.32	31.72	4.69	32.62
114	103	4153.3	6936.8	16	5	2006	23:43	200	8.03	31.68	6.76	33.68
115	104	4153.4	6930.4	17	5	2006	0:30	199	7.70	31.97	7.28	33.98
116	105	4153.5	6923.4	17	5	2006	1:22	203	7.76	32.35	7.33	34.01
117	106	4153.4	6916.9	17	5	2006	2:13	197	7.64	32.44	7.21	33.92
118	107	4153.3	6910.2	17	5	2006	3:02	214	7.79	31.95	7.20	33.90
119	108	4153.4	6903.6	17	5	2006	3:54	184	7.53	32.29	6.23	33.41
120	109	4153.4	6856.9	17	5	2006	4:52	165	7.61	32.38	5.79	33.23
121	110	4153.5	6850.3	17	5	2006	6:01	163	7.52	32.63	5.78	33.24
122	111	4153.4	6843.4	17	5	2006	11:07	151	7.48	32.67	5.57	33.18
123	112	4153.3	6836.5	17	5	2006	11:58	169	7.48	32.65	6.28	33.51
126	113	4153.5	6830.0	17	5	2006	13:52	175	7.77	32.69	6.46	33.59
127	114	4153.2	6823.4	17	5	2006	14:38	203	7.63	32.59	6.64	33.73
128	115	4153.4	6816.6	17	5	2006	15:26	222	7.64	32.64	7.02	33.96
129	116	4153.2	6809.8	17	5	2006	16:19	189	7.73	32.63	5.69	33.21
130	117	4153.2	6803.1	17	5	2006	17:10	112	7.74	32.63	6.66	32.81
131	215	4141.3	6816.7	17	5	2006	19:37	36	8.14	32.56	7.96	32.57
132	214	4141.4	6823.3	17	5	2006	20:19	65	7.63	32.62	5.91	32.89
133	213	4141.4	6830.0	17	5	2006	21:04	181	8.20	32.63	5.51	33.12
134	212	4141.3	6836.7	17	5	2006	21:49	171	8.24	32.70	5.64	33.18
135	211	4141.4	6843.4	17	5	2006	22:37	161	8.26	32.51	5.61	33.17
136	210	4141.3	6850.1	17	5	2006	23:23	158	8.17	32.39	5.48	33.11
137	209	4141.3	6856.9	18	5	2006	0:10	164	8.12	32.24	5.62	33.17
138	208	4141.3	6903.6	18	5	2006	0:56	170	8.53	31.89	5.55	33.11
139	207	4141.5	6910.2	18	5	2006	1:42	181	8.41	32.03	5.87	33.25
140	206	4141.5	6916.8	18	5	2006	2:30	201	8.54	31.74	6.24	33.41
141	205	4141.3	6923.7	18	5	2006	3:22	169	8.60	31.70	5.46	33.03
142	204	4141.4	6930.4	18	5	2006	4:10	118	8.81	31.61	4.79	32.64
143	203	4141.4	6937.1	18	5	2006	4:55	124	9.09	31.73	5.03	32.40
144	202	4141.3	6943.9	18	5	2006	5:39	67	9.15	31.74	5.82	32.22
145	201	4141.4	6950.6	18	5	2006	6:19	29	8.96	31.79	6.87	32.01
146	303	4129.4	6937.1	18	5	2006	7:52	31	7.13	32.12	7.03	32.13
147	304	4129.4	6930.6	18	5	2006	8:36	38	8.39	31.84	6.61	32.19
148	305	4129.5	6923.7	18	5	2006	9:19	63	8.47	31.81	5.64	32.44
149	306	4129.4	6917.0	18	5	2006	10:01	103	8.37	31.85	4.80	32.59
150	307	4129.2	6910.2	18	5	2006	10:55	160	8.43	31.88	5.06	32.84
151	308	4129.5	6903.7	18	5	2006	11:45	140	8.45	31.91	5.22	32.93

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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt
152	309	4129.5	6857.2	18	5	2006	12:28	154	8.37	31.86	5.38	33.03
153	310	4129.5	6850.4	18	5	2006	13:16	132	8.24	32.32	5.47	33.07
154	311	4129.3	6843.9	18	5	2006	13:58	134	8.29	32.51	5.50	33.08
155	312	4129.4	6837.2	18	5	2006	14:43	105	8.32	32.70	5.49	33.03
156	313	4129.4	6830.6	18	5	2006	15:25	95	8.21	32.66	5.75	32.94
157	314	4129.5	6823.8	18	5	2006	16:12	49	7.63	32.63	7.13	32.68
158	412	4117.6	6837.4	18	5	2006	18:36	68	7.87	32.60	7.10	32.66
159	411	4117.5	6843.8	18	5	2006	19:16	82	7.77	32.63	6.47	32.76
160	410	4117.4	6850.5	18	5	2006	20:01	106	9.02	32.35	5.81	32.84
161	409	4117.4	6857.1	18	5	2006	20:47	135	9.27	32.39	5.39	32.93
162	408	4117.3	6903.9	18	5	2006	21:34	158	8.55	32.29	5.22	32.90
163	407	4117.3	6910.5	18	5	2006	22:22	99	8.71	32.11	4.98	32.66
164	406	4117.2	6917.2	18	5	2006	23:07	82	8.55	32.28	5.58	32.54
165	405	4117.1	6923.9	18	5	2006	23:49	43	6.93	32.26	6.70	32.29
166	506	4105.5	6916.4	19	5	2006	1:10	57	6.54	32.51	6.52	32.51
167	507	4105.2	6910.7	19	5	2006	1:46	62	6.68	32.53	6.15	32.65
168	508	4105.4	6904.1	19	5	2006	2:30	94	8.23	32.37	5.42	32.71
169	509	4105.4	6857.6	19	5	2006	3:16	90	7.06	32.65	6.68	32.67
170	510	4105.5	6850.8	19	5	2006	4:01	72	7.09	32.62	6.88	32.66