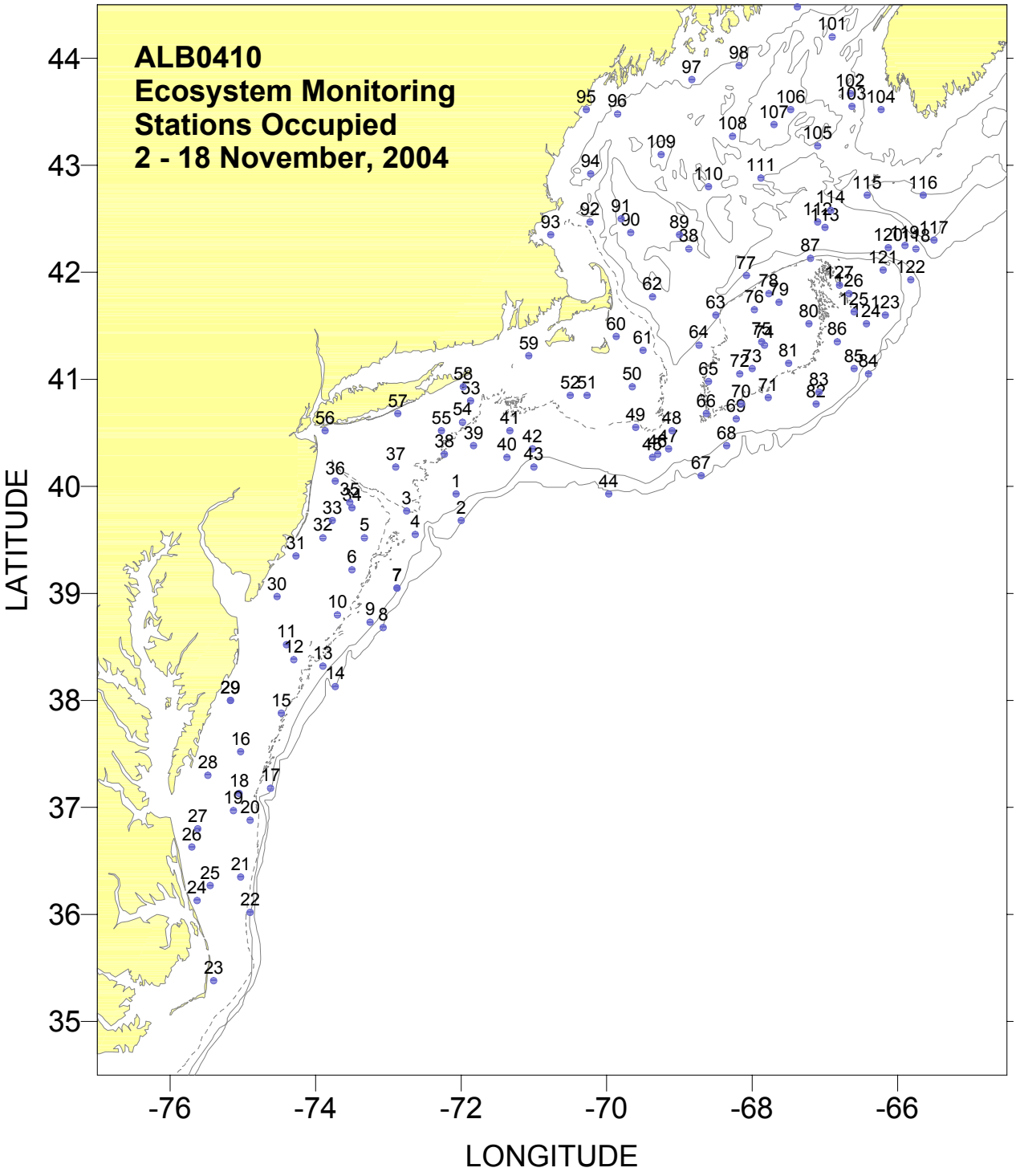

ALB0410
Ecosystem Monitoring
Stations Occupied
2 - 18 November, 2004
LATITUDE
LONGITUDE
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66

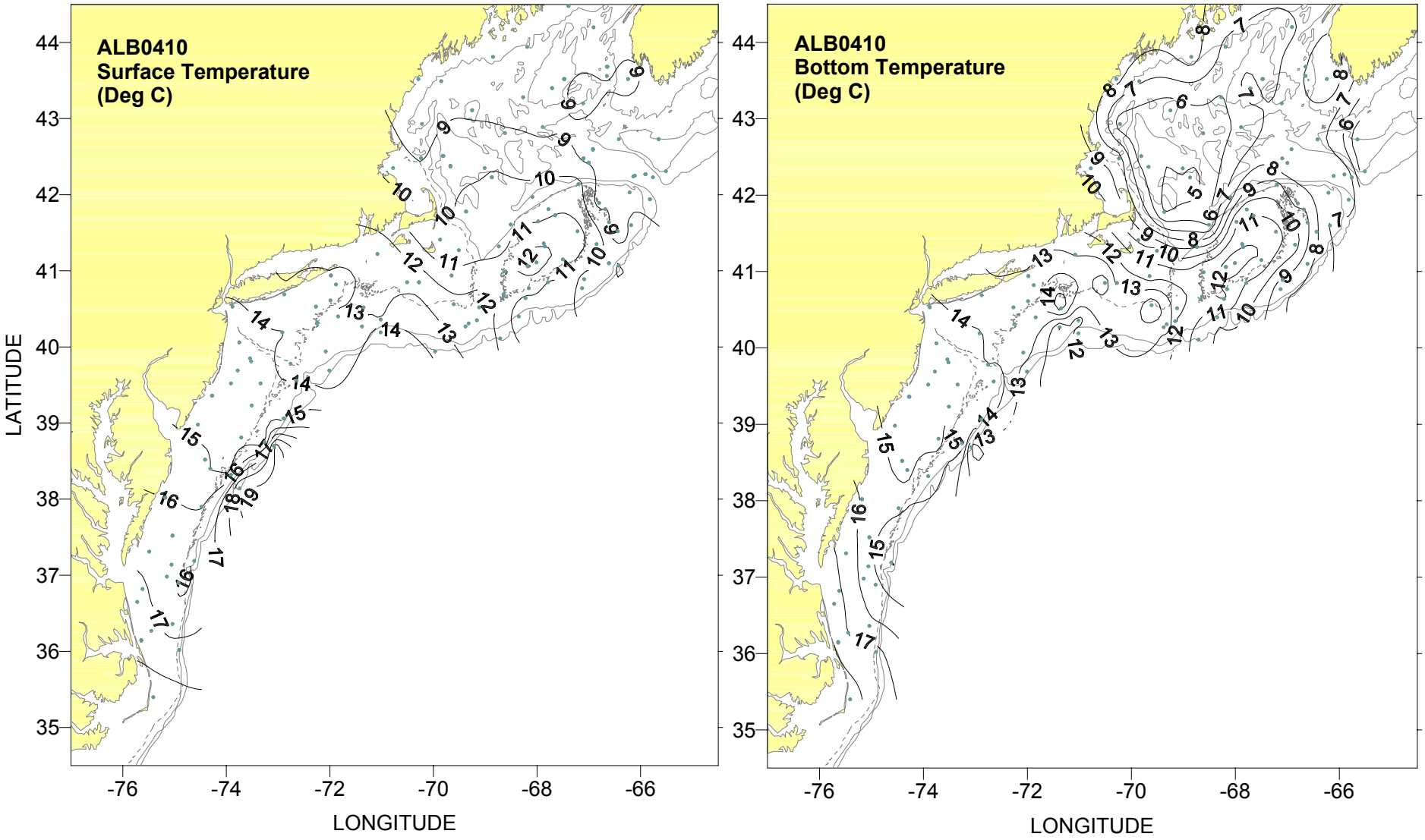
Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the Fall ECOMON Survey ALB0410. (See Mountain, Taylor, and Bascunan, 2004)

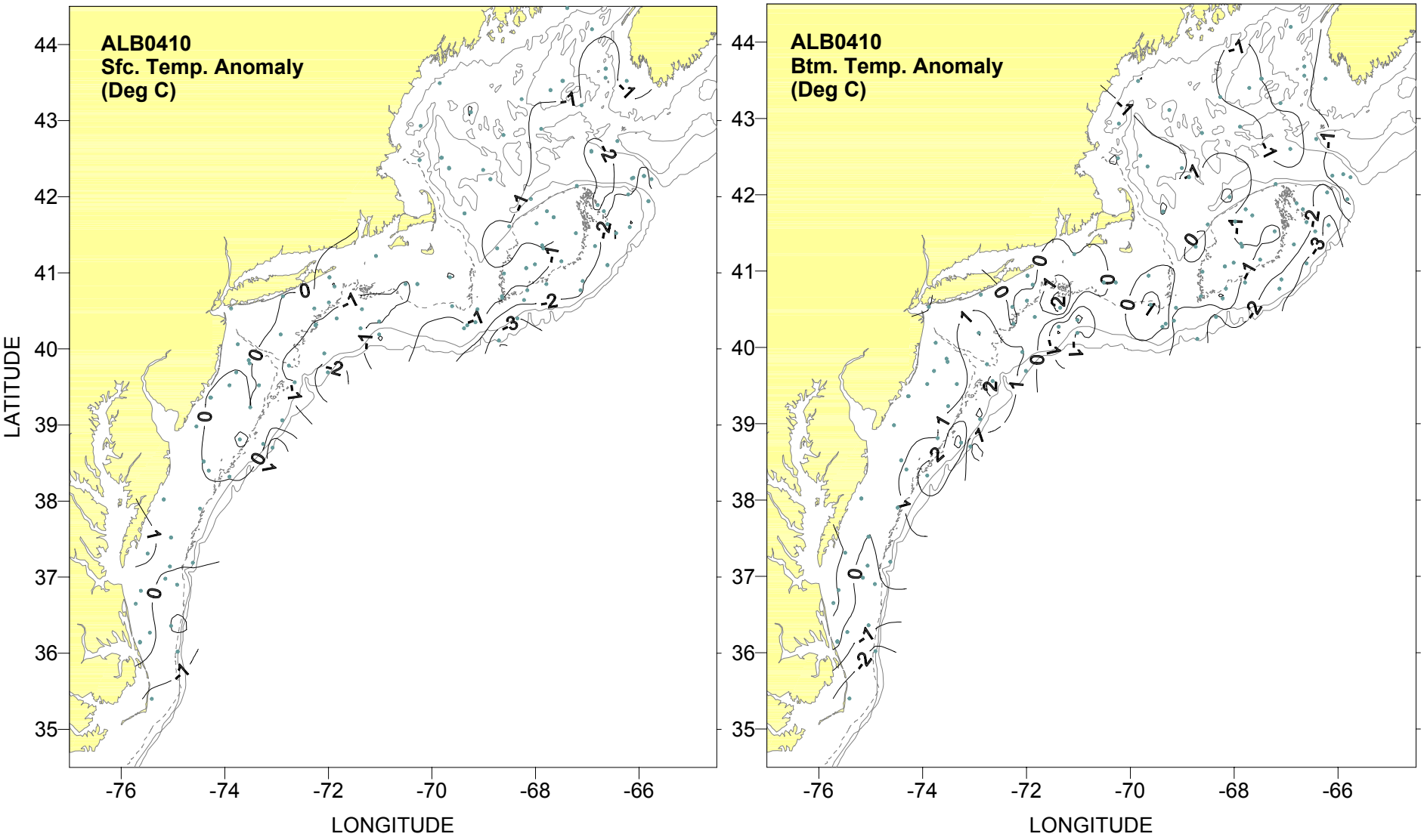
		SURFACE						BOTTOM						
CRUISE	CD	#obs	T / S	Anomaly	SDV1	SDV2	Flag	#obs	T / S	Anomaly	SDV1	SDV2	Flag	Purpose
Gulf of Maine East														
ALB0410	320	16	8.95	-1.35	0.22	0.57	0	29	7.39	-1.00	0.25	2.34	1	22
ALB0410	320	16	31.96	-0.66	0.16	0.25	0	29	33.67	-0.57	0.15	0.79	1	22
Gulf of Maine West														
ALB0410	318	40	9.38	-0.72	0.23	1.34	1	32	6.37	-0.71	0.23	2.07	1	22
ALB0410	318	40	32.27	-0.43	0.15	0.36	1	32	33.25	-0.32	0.13	0.66	1	22
Georges Bank														
ALB0410	317	34	10.81	-1.51	0.18	0.82	0	29	10.61	-1.17	0.21	1.15	0	22
ALB0410	317	34	32.30	-0.46	0.11	0.19	0	29	32.66	-0.41	0.12	0.34	0	22
MAB North														
ALB0410	311	22	13.21	-0.75	0.26	0.76	0	18	13.34	0.22	0.31	1.33	0	22
ALB0410	311	22	32.54	-0.42	0.18	0.49	0	18	33.24	-0.29	0.18	0.47	0	22
MAB South														
ALB0410	309	37	15.69	-0.07	0.21	0.87	0	34	15.35	0.73	0.25	1.18	0	22
ALB0410	309	37	32.48	-0.38	0.17	0.88	0	34	33.14	-0.17	0.15	0.71	0	22

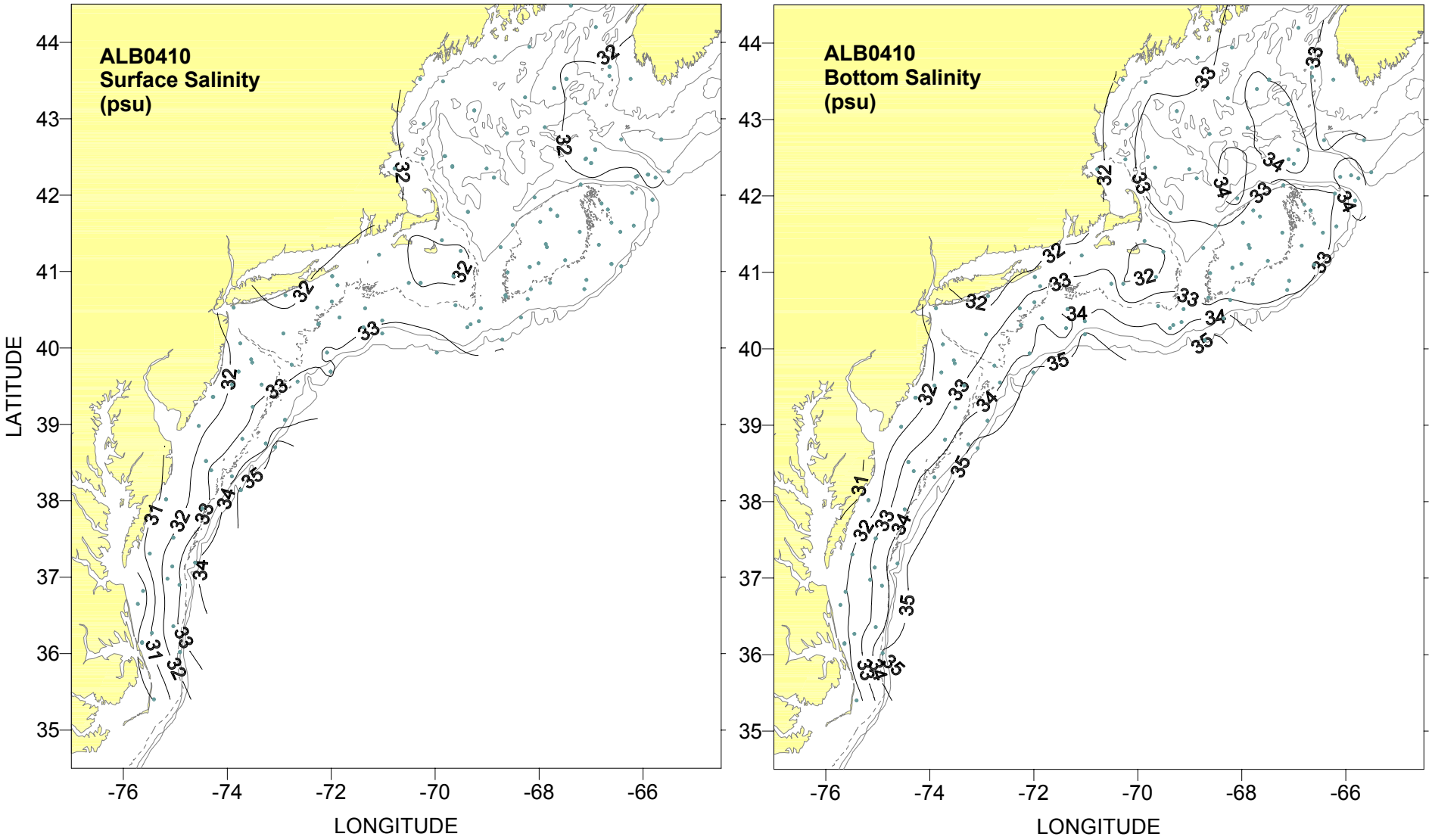
"CRUISE", the code name for a cruise: "CD", the calendar mid-data of all the stations within a region for a cruise: "# obs", the number of observations included in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly: "SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived.

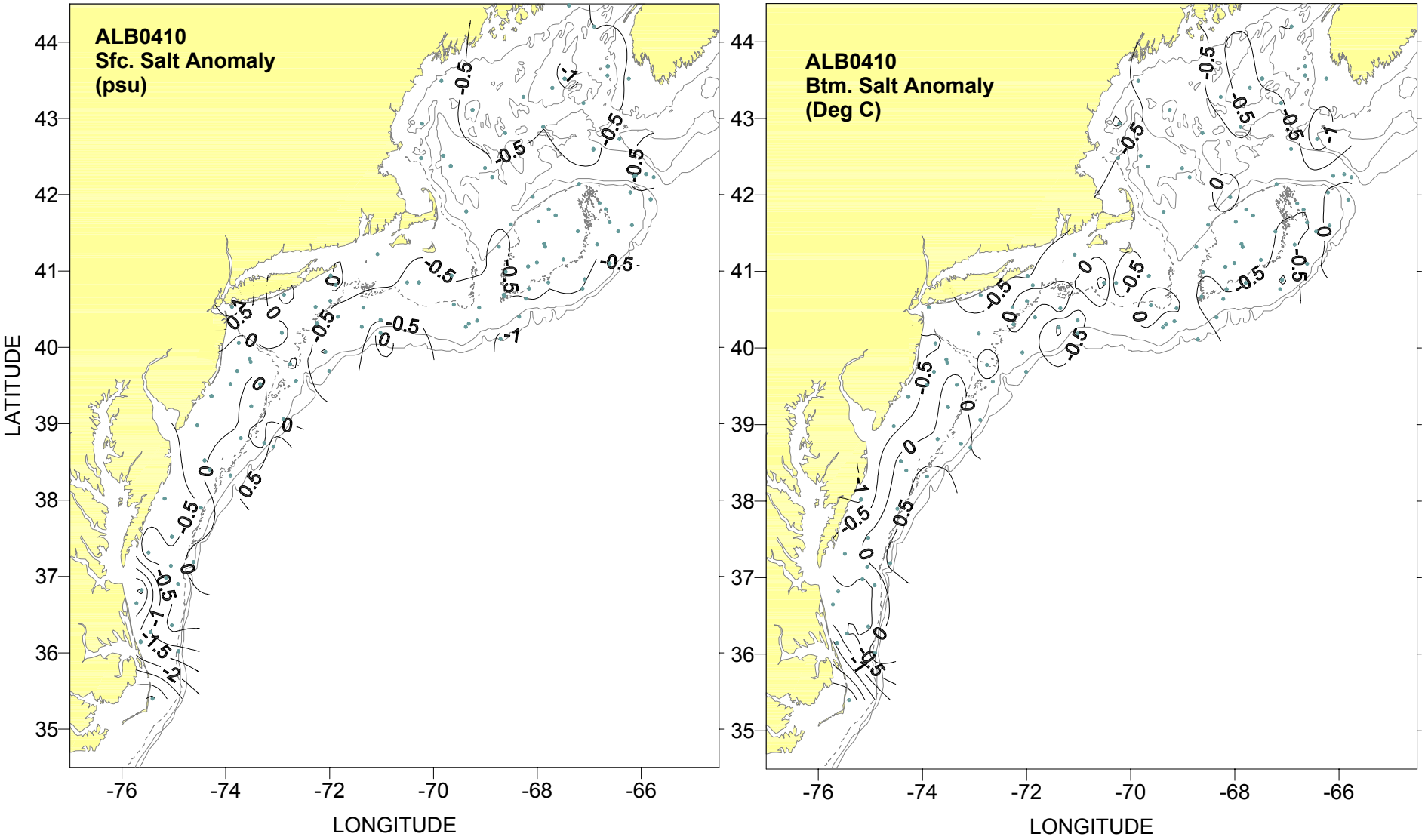
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The average values listed were derived from a simple average of the observations within the region.

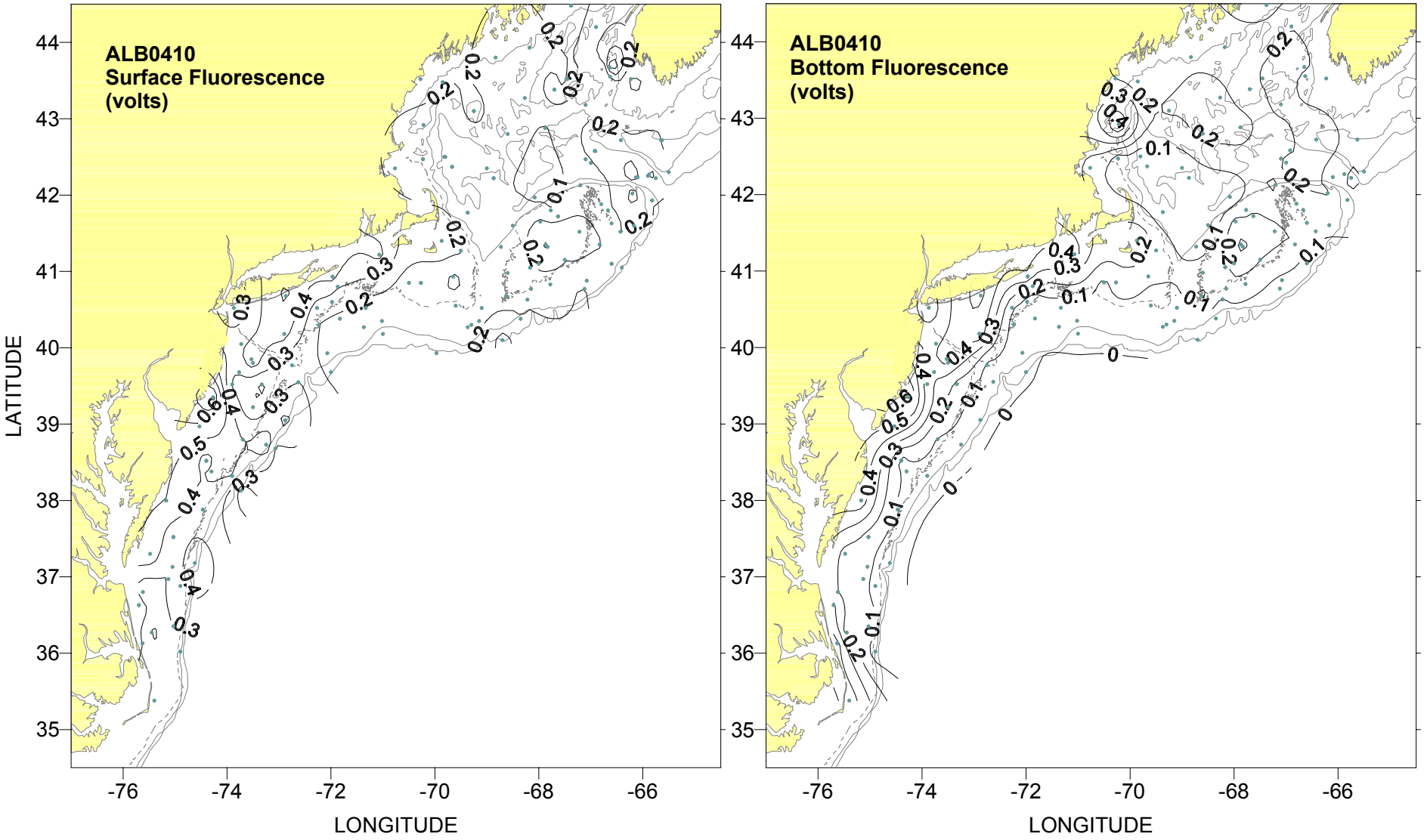
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program/ survey.


ALB0410
Surface Temperature
(Deg C)
ALB0410
Bottom Temperature
(Deg C)
LATITUDE
LONGITUDE
LONGITUDE
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66


ALB0410
Sfc. Temp. Anomaly
(Deg C)
ALB0410
Btm. Temp. Anomaly
(Deg C)
LATITUDE
LONGITUDE
LONGITUDE
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66


ALB0410
Surface Salinity
(psu)
ALB0410
Bottom Salinity
(psu)
LATITUDE
LONGITUDE
LONGITUDE
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66


ALB0410
Sfc. Salt Anomaly
(psu)
ALB0410
Btm. Salt Anomaly
(Deg C)
LATITUDE
LONGITUDE
LONGITUDE
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66


ALB0410
Surface Fluorescence
(volts)
ALB0410
Bottom Fluorescence
(volts)
LATITUDE
LONGITUDE
LONGITUDE
44
43
42
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-76
-74
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-70
-68
-66

ALB0410 Fall Ecomon Survey

2 - 18 November, 2004

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	3956.1	7204.8	2	11	2004	5:09	79	13.58	33.1	13.73	33.8	4
2	2	3941.5	7200.8	2	11	2004	6:40	165	13.18	32.87	12.26	35.37	3
3	3	3946.5	7245.8	2	11	2004	10:06	64	13.42	32.66	13.92	33.3	4
4	4	3933.7	7238.7	2	11	2004	11:43	76	14.15	33.17	14.78	33.9	6
5	5	3931.1	7320.3	2	11	2004	14:52	35	14.58	32.86	14.21	33.03	6
6	6	3913.8	7330.5	2	11	2004	16:47	46	14.83	33.01	14.67	33.34	3
7	7	3903.7	7253.1	2	11	2004	19:49	89	14.58	33.49	16.65	34.8	19
8	7	3903.5	7253.1	2	11	2004	19:55	91	14.67	33.44	14.69	34.37	4
9	8	3841.8	7304.7	2	11	2004	22:10	215	19.59	35.68	11.38	35.44	14
10	9	3844.8	7315.3	2	11	2004	23:22	77	14.48	33.44	16.32	34.86	4
11	10	3848.4	7342.6	3	11	2004	1:37	51	14.68	33.17	14.67	33.62	4
12	11	3831.4	7424.4	3	11	2004	5:16	40	15.29	32.48	14.72	33.24	4
13	11	3831.4	7424.4	3	11	2004	5:22	41	15.29	32.44	14.7	33.32	3
14	12	3823.8	7418.6	3	11	2004	6:25	40	14.95	33.25	14.82	33.73	4
15	13	3819.2	7354.7	3	11	2004	8:18	67	14.92	33.57	15.57	34.32	3
16	14	3808.6	7344.4	3	11	2004	9:55	386	19.53	35.3	11.59	35.46	185
17	15	3753.8	7428.6	3	11	2004	13:46	55	15.95	32.44	15.14	33.86	6
18	16	3731.2	7502.4	3	11	2004	17:10	32	16.78	32.02	15.34	33.01	6
19	16	3731	7502.4	3	11	2004	17:15	32	16.77	32.07	15.31	33.02	4
20	17	3711.4	7437	3	11	2004	20:01	90	15.97	34.05	13.92	34.77	5
21	18	3708.6	7503.7	3	11	2004	22:08	35	16.59	32.54	15.36	33.25	4
22	19	3658.8	7508.7	3	11	2004	23:28	36	16.48	32.55	15.69	32.87	4
23	20	3653.8	7454.9	4	11	2004	1:01	39	15.8	32.89	15.29	33.51	5
24	21	3621.4	7502.3	4	11	2004	4:04	37	16.25	32.85	16.21	33.15	3
25	22	3601.4	7454.7	4	11	2004	6:10	72	17.55	32.63	16.58	33.37	42
26	22	3601.3	7454.8	4	11	2004	6:16	74	17.53	32.64	17.34	35.18	5
27	23	3523.7	7524.8	4	11	2004	10:28	18	18.25	30.02	18.3	31.47	4
28	24	3608.7	7538.3	4	11	2004	16:53	23	17.81	30.27	17.89	31.36	3
29	24	3608.6	7538.3	4	11	2004	16:58	22	17.83	30.27	17.86	31.46	3
30	25	3616.3	7527.1	4	11	2004	18:17	31	17.6	31.1	16.91	32.69	4
31	26	3638.9	7542.9	4	11	2004	21:00	15	17.33	29.09	17.59	31.4	3
32	27	3648.9	7537	4	11	2004	22:13	19	17.14	29.58	17.11	31.98	4

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
33	28	3718.6	7529.2	5	11	2004	1:22	21	16.76	31.41	16.72	32.03	3
34	29	3800.9	7510.7	5	11	2004	5:45	13	15.96	31.14	15.96	31.14	3
35	29	3800.9	7510.7	5	11	2004	5:50	11	15.95	31.14	15.97	31.14	3
36	30	3858.7	7432.9	5	11	2004	13:28	10	14.78	31.78	14.78	31.78	5
37	31	3921.4	7416.4	5	11	2004	17:13	17	14.53	31.5	14.5	31.48	3
38	31	3921.8	7416.5	5	11	2004	17:22	15	14.47	31.45	14.48	31.45	5
39	32	3931.3	7354.7	5	11	2004	19:16	25	14.71	32.06	14.72	32.09	3
40	33	3941.3	7346.6	5	11	2004	20:45	20	14.58	32.26	14.58	32.25	3
41	34	3948.6	7330.9	5	11	2004	22:21	32	14.44	32.52	14.47	32.56	3
42	35	3951.1	7332.6	5	11	2004	23:04	33	14.44	32.5	14.46	32.5	4
43	36	4003.6	7344.7	6	11	2004	0:56	30	14.53	32.12	14.55	32.13	4
44	37	4011.2	7254.9	6	11	2004	4:43	49	14.07	32.86	14.1	32.86	4
45	38	4018.8	7214.7	6	11	2004	7:40	56	13.13	32.63	13.11	33.9	4
46	38	4018.9	7214.6	6	11	2004	7:49	55	13.14	32.62	13.13	32.63	38
47	39	4023.8	7150.6	6	11	2004	9:40	67	12.79	32.57	13.82	33.98	4
48	40	4016.3	7122.9	6	11	2004	12:04	84	13.16	32.85	10.86	33.46	6
49	41	4031	7120.7	6	11	2004	13:41	68	12.85	32.57	15.94	34.43	6
50	42	4021.3	7101.4	6	11	2004	15:53	90	12.88	32.57	11.4	33.92	5
51	43	4011.2	7100.9	6	11	2004	18:40	133	15.02	33.87	12.56	35.33	4
52	44	3956.4	6958.4	7	11	2004	1:22	290	13.86	33.58	12.34	35.5	90
53	45	4016.3	6922.7	7	11	2004	5:26	78	12.26	32.39	13.09	33.74	5
54	46	4018.8	6918.9	7	11	2004	6:07	78	12.35	32.34	14.32	33.71	6
55	47	4021.2	6909.8	7	11	2004	7:07	81	12.3	32.36	11.98	33.73	5
56	48	4031.2	6906.9	7	11	2004	8:16	75	12.57	32.26	12.48	33.72	5
57	49	4033.7	6936.4	7	11	2004	11:37	62	12.24	32.16	14.75	33.9	6
58	50	4056.1	6939	7	11	2004	14:10	40	11.43	31.94	11.43	31.95	6
59	51	4051.2	7016.5	7	11	2004	17:16	43	12.73	31.91	12.63	31.91	18
60	51	4051.2	7016.6	7	11	2004	17:22	43	12.76	31.91	12.63	31.91	4
61	52	4051.2	7030.8	7	11	2004	18:32	53	12.72	32.1	14.58	33.7	4
62	53	4048.9	7152.5	8	11	2004	0:49	40	13.55	32.36	13.12	32.72	5
63	54	4036.7	7159.5	8	11	2004	2:25	53	13.41	32.54	13.95	33.74	5
64	55	4031.6	7216.3	8	11	2004	4:01	53	13.83	32.62	13.24	33.08	4
65	56	4031.7	7352.7	8	11	2004	17:23	11	14.14	32.45	14.15	32.45	4
66	57	4041.3	7252.7	9	11	2004	2:57	21	13.04	31.49	13.17	31.58	4
67	58	4056.2	7158.9	9	11	2004	7:07	27	13.06	32.14	13.07	32.14	8
68	58	4056.2	7158.8	9	11	2004	7:15	27	13.06	32.13	13.06	32.13	5

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
69	59	4113.4	7104.8	9	11	2004	11:28	35	12.91	32.19	12.92	32.17	4
70	60	4124.5	6952.1	10	11	2004	1:04	25	9.84	32.02	9.87	32.03	5
71	61	4116.1	6930.5	10	11	2004	3:25	23	10.36	31.95	10.37	31.95	5
72	62	4146.7	6922.1	10	11	2004	6:55	172	10.3	32.34	4.8	33.34	4
73	62	4146.7	6922.1	10	11	2004	7:26	173	10.3	32.34	10.27	32.37	124
74	63	4136.3	6830.6	10	11	2004	11:25	122	10.7	32.18	5.88	33	4
75	64	4119	6844.4	10	11	2004	13:41	90	10.41	32.16	8.97	32.39	6
76	65	4059.5	6836.6	10	11	2004	15:43	50	12.03	32.21	12.04	32.21	5
77	66	4041.2	6838.8	10	11	2004	17:25	58	11.86	32.33	11.86	32.34	28
78	66	4040.4	6838.6	10	11	2004	17:52	63	11.88	32.33	11.89	32.36	4
79	67	4006.4	6842.6	10	11	2004	21:06	196	11.88	32.94	10.5	35.35	5
80	68	4023.7	6821.1	10	11	2004	23:49	111	10.34	32.38	10.05	34.48	5
81	69	4038.2	6813.2	11	11	2004	1:32	84	10.8	32.32	12.39	33.05	5
82	70	4046	6809.3	11	11	2004	2:31	63	11.48	32.42	11.56	32.43	5
83	71	4050.8	6747.3	11	11	2004	4:19	67	10.89	32.24	10.9	32.24	5
84	72	4103.6	6810.6	11	11	2004	6:37	43	12.31	32.24	12.33	32.24	5
85	72	4103.5	6810.6	11	11	2004	6:43	37	12.3	32.24	12.33	32.24	2
86	73	4106.4	6800.8	11	11	2004	7:41	50	12.54	32.25	12.56	32.25	4
87	74	4119	6750.7	11	11	2004	9:33	38	12.05	32.24	12.03	32.24	5
88	75	4121.5	6752	11	11	2004	10:06	43	11.81	32.24	11.82	32.23	5
89	76	4139.1	6758.6	11	11	2004	11:46	31	10.94	32.22	10.94	32.22	4
90	77	4158.4	6805.1	11	11	2004	13:49	203	10.35	32.25	7.66	34.62	6
91	78	4148.8	6746.5	11	11	2004	16:01	33	10.71	32.2	10.71	32.2	3
92	79	4143.7	6738.8	11	11	2004	16:53	42	11.02	32.24	11	32.25	17
93	79	4143.7	6738.8	11	11	2004	17:00	39	10.91	32.25	10.95	32.25	6
94	80	4131	6713.1	11	11	2004	19:08	51	11.35	32.25	11.35	32.25	6
95	81	4109	6730.2	11	11	2004	21:37	53	11.9	32.29	11.91	32.28	6
96	82	4046.4	6707.5	12	11	2004	0:46	96	9.7	32.39	8.21	32.91	4
97	83	4053.3	6705.1	12	11	2004	1:45	86	9.58	32.4	8.81	32.61	5
98	84	4103.9	6624.9	12	11	2004	4:56	436	10.12	32.4	12.58	35.43	237
99	85	4106.1	6636.4	12	11	2004	6:24	85	9.71	32.15	9.02	32.5	34
100	85	4106.1	6636.4	12	11	2004	6:28	85	9.62	32.07	8.27	32.86	5
101	86	4121.1	6650.7	12	11	2004	8:30	71	10.76	32.28	10.48	32.3	4
102	87	4208.6	6712.2	12	11	2004	12:55	94	10.3	32.27	9.31	32.41	6
103	88	4213.8	6852.4	12	11	2004	20:01	195	10.22	32.33	10.23	32.33	157
104	88	4213.7	6852.4	12	11	2004	20:07	195	10.2	32.33	4.66	33.36	6

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
105	89	4221.2	6900.6	12	11	2004	21:40	209	9.75	32.4	5.27	33.62	9
106	90	4222.4	6940.2	13	11	2004	1:07	250	9.74	32.4	5.54	33.76	5
107	90	4222.5	6940.4	13	11	2004	1:58	250	9.74	32.39	5.02	33.58	50
108	91	4230.6	6948.4	13	11	2004	3:30	252	9.42	32.45	5.43	33.73	5
109	91	4230.4	6949	13	11	2004	3:52	254	9.31	32.44	5.04	33.57	54
110	92	4228.5	7014.3	13	11	2004	6:18	75	8.92	32.35	8.89	32.36	26
111	92	4228.5	7014.3	13	11	2004	6:25	68	8.9	32.35	8.58	32.43	4
112	93	4221.1	7046.9	13	11	2004	9:04	25	9.45	31.85	9.46	31.86	4
113	94	4255.5	7013.4	13	11	2004	15:58	184	8.81	32.26	5.43	32.64	7
114	95	4331.1	7017.1	14	11	2004	0:22	29	8.33	32.1	8.39	32.11	5
115	96	4329.1	6951.1	14	11	2004	2:32	118	8.84	32.17	7.13	32.89	6
116	97	4348.5	6850.9	14	11	2004	8:01	62	8.53	32.32	8.57	32.33	7
117	98	4356.6	6811.2	14	11	2004	12:03	145	8.85	32.1	6.78	33.45	2
118	99	4429	6723.2	14	11	2004	17:43	55	8.5	32.32	8.53	32.33	24
119	99	4429	6723.1	14	11	2004	17:49	55	8.51	32.32	8.56	32.33	10
120	100	4443.3	6622.8	14	11	2004	23:43	148	8.53	32.24	7.94	32.99	5
121	101	4412.1	6654.4	15	11	2004	4:16	181	8.69	32.06	6.78	33.75	5
122	102	4340.9	6639.1	15	11	2004	7:55	138	8.88	32.02	7.94	32.96	6
123	102	4340.5	6638.3	15	11	2004	8:16	130	8.87	32.01	8.87	32.08	79
124	103	4333.4	6638.9	15	11	2004	9:01	107	8.98	31.92	8.1	32.94	4
125	104	4331.4	6614.5	15	11	2004	12:07	52	9.21	31.78	9.16	31.95	5
127	105	4311.7	6706.5	15	11	2004	17:34	201	9.29	31.93	7.12	34.14	6
128	106	4331.1	6728.7	15	11	2004	20:55	220	8.92	31.92	6.51	33.94	20
129	106	4331.4	6727.9	15	11	2004	21:22	220	8.92	31.92	6.66	33.98	5
130	107	4323.8	6742.6	15	11	2004	22:55	248	8.77	32.11	7.58	34.29	5
131	107	4323.8	6742.6	15	11	2004	23:43	247	8.76	32.1	6.76	33.97	48
132	108	4316.6	6816.3	16	11	2004	2:37	189	8.67	32.04	5.89	33.66	6
133	109	4306.7	6915.2	16	11	2004	6:58	185	8.87	32.25	8.88	32.25	136
134	109	4306.7	6915.2	16	11	2004	7:04	172	8.86	32.25	5.36	33.17	4
135	110	4248.7	6836.9	16	11	2004	10:21	193	9.08	32.42	5.6	33.84	6
136	111	4253.5	6753.4	16	11	2004	13:53	211	8.78	32.14	6.16	33.8	11
137	112	4228.3	6706.7	16	11	2004	18:34	340	8.85	31.6	8.03	34.89	136
138	112	4228.8	6706.2	16	11	2004	18:55	342	8.7	31.67	7.26	34.9	6
139	113	4225.1	6700	16	11	2004	19:58	361	9.06	31.63	7.02	34.88	5
140	113	4225	6700	16	11	2004	20:49	361	9.14	31.7	7.97	34.92	160
141	114	4235.8	6655.2	16	11	2004	22:42	275	8.43	31.9	7.86	34.9	6

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
142	114	4235.4	6655.3	16	11	2004	23:02	275	8.42	31.83	8.11	34.73	74
143	115	4243.9	6625.2	17	11	2004	1:55	105	8.5	31.76	7.11	32.41	8
144	116	4243.6	6539	17	11	2004	6:09	100	8.45	31.5	6.11	32.29	51
145	116	4243.6	6538.8	17	11	2004	6:15	100	8.46	31.49	4.21	33.09	4
146	117	4218.7	6530.6	17	11	2004	8:51	105	8.02	32.03	3.88	32.86	5
147	118	4213.7	6545.7	17	11	2004	10:19	224	8.84	31.88	7.12	34.82	5
148	119	4215.9	6554.8	17	11	2004	11:34	228	8.45	31.82	7.87	34.87	27
149	119	4216.3	6553.7	17	11	2004	11:58	227	8.44	31.83	7.86	34.81	7
150	120	4214.1	6608.1	17	11	2004	13:31	253	8.75	32.1	7.83	34.69	55
151	120	4214.7	6606.5	17	11	2004	14:10	261	8.75	32.1	7.88	34.74	6
152	121	4201.9	6612.8	17	11	2004	15:52	88	8.75	32.19	7.02	32.92	5
153	122	4156.1	6549.1	17	11	2004	18:04	175	8.73	32.11	5.77	33.7	125
154	122	4156.1	6549	17	11	2004	18:10	177	8.72	32.04	7.73	34.5	4
155	123	4136.1	6610.8	17	11	2004	21:01	95	9.28	32.3	6.82	33.35	6
156	124	4131.2	6626.5	17	11	2004	22:34	91	8.13	32.55	8.18	32.56	6
157	125	4138.4	6636.8	18	11	2004	0:04	66	9.08	32.27	9.15	32.3	5
158	126	4148.3	6640.7	18	11	2004	1:27	63	9.09	32.32	9.14	32.34	5
159	127	4153.5	6648.2	18	11	2004	2:25	63	8.53	32.45	8.54	32.45	6