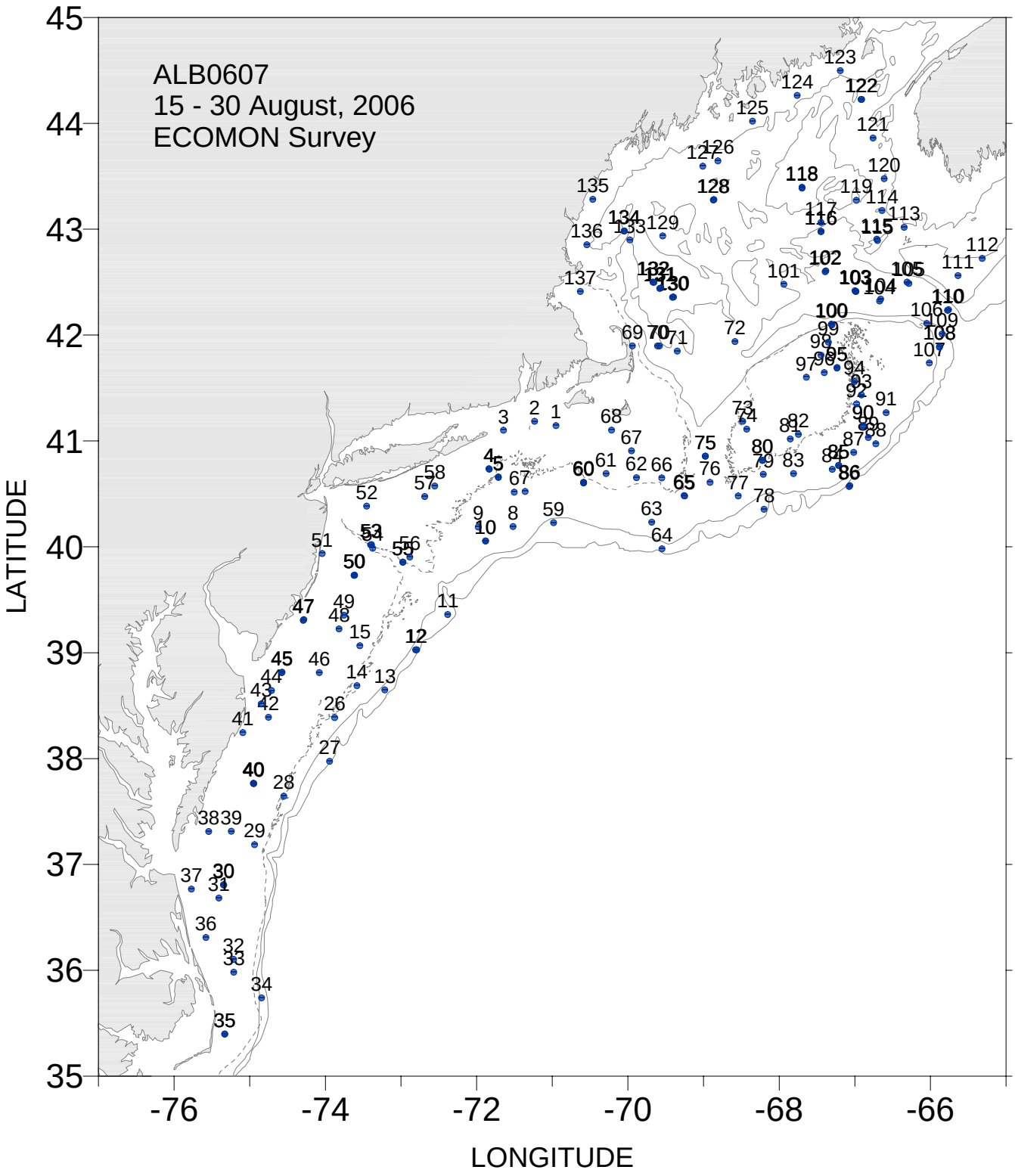
ALB0607
15 - 30 August, 2006
ECOMON Survey
LATITUDE
LONGITUDE
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-76
-74
-72
-70
-68
-66

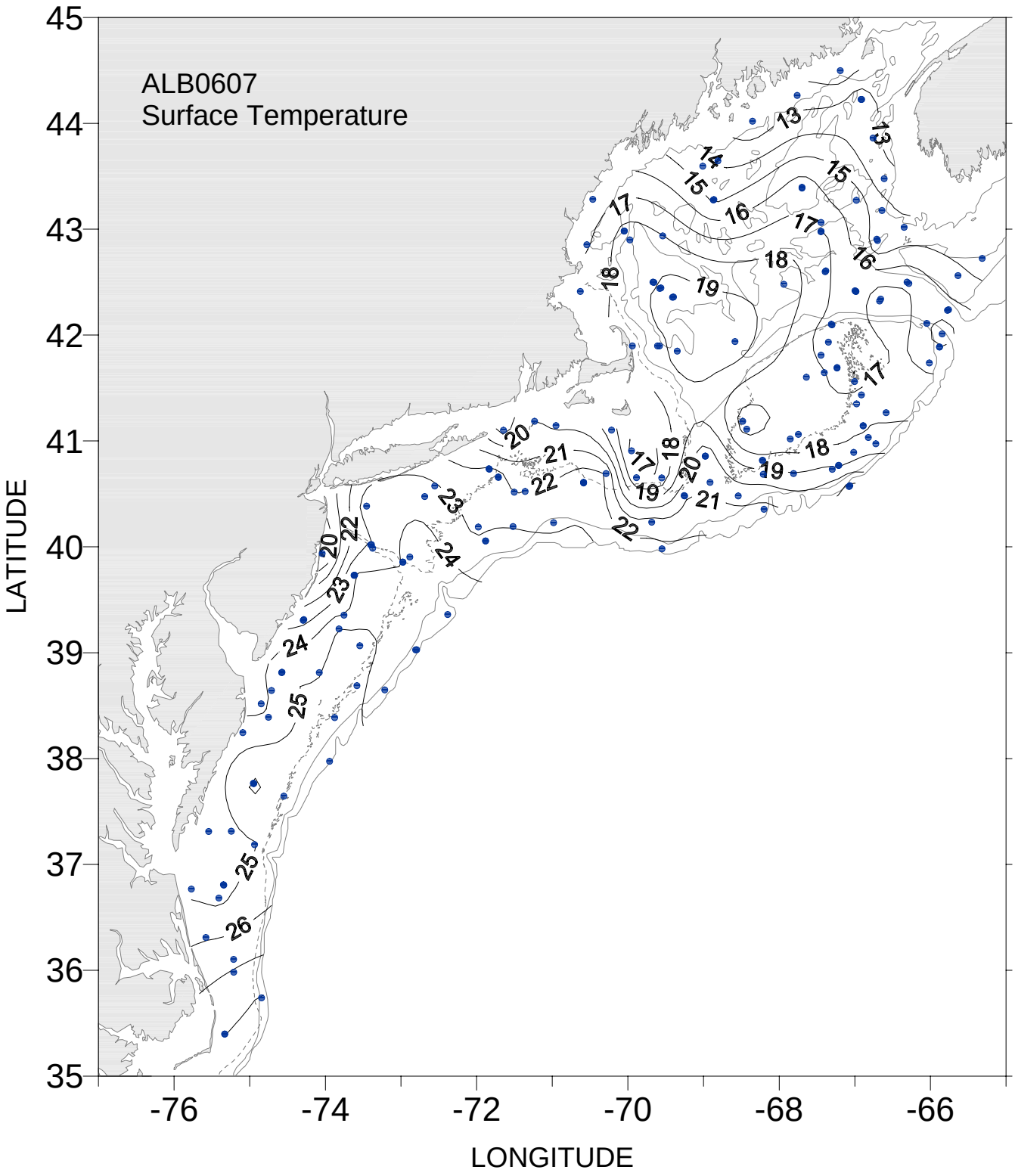
Areal average surface and bottom temperature / salinity and anomalies for ECOMON cruise ALB0607.

	SURFACE						BOTTOM*					
CD	#obs	Temp/Salt	Anomaly	SDV1	SDV2	Flag	#obs	Temp/Salt	Anomaly	SDV1	SDV2	Flag
						Gulf of Maine East						
239	21	15.61	1.52	0.19	0.90	0	16	9.15	0.30	0.23	1.75	0
239	21	32.36	-0.15	0.14	0.33	0	16	34.38	0.22	0.12	0.38	0
						Gulf of Maine West						
240	43	17.43	0.83	0.22	2.37	1	36	8.12	1.30	0.21	3.18	1
240	43	31.73	-0.32	0.15	0.49	1	36	33.58	0.18	0.12	0.78	1
						Georges Bank						
237	37	18.34	2.19	0.17	1.24	0	33	12.42	0.25	0.19	1.71	0
237	37	32.09	-0.61	0.10	0.25	0	33	32.77	-0.26	0.11	0.41	0
						MAB North						
231	23	22.11	2.01	0.25	1.51	0	21	11.06	1.16	0.27	1.86	0
231	23	31.97	-0.45	0.17	0.45	0	21	33.16	-0.08	0.16	0.54	0
						MAB South						
231	42	24.76	0.90	0.22	1.24	0	36	12.60	-0.31	0.22	2.94	1
231	42	31.72	-0.17	0.17	0.89	0	36	32.86	0.03	0.14	0.45	1

"Region", the geographic region of the northeast continental shelf:, "CD", the calendar mid-data of all the stations within a region for a time period: "# obs", the number of observations included in each average: "Temp/Salt", the areal average temperature/salinity: "Anomaly", the areal average t/s anomaly: "SDV1", the standard deviation associated with the average t/s 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.

"*" 100m station depth exclusion used for regions: Georges Bank, MAB North, and MAB South


ALB0607
Surface Temperature
LATITUDE
LONGITUDE
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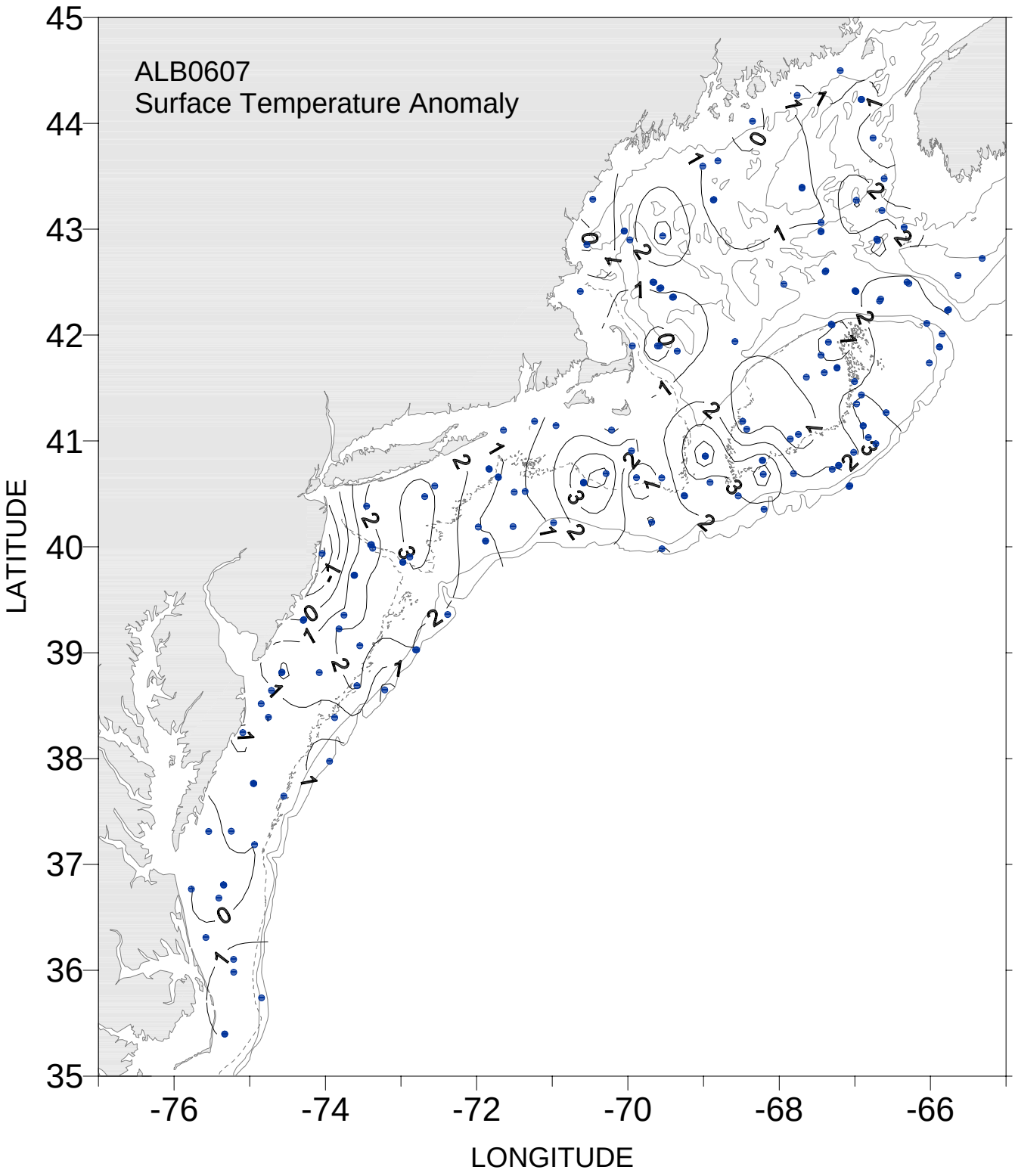
ALB0607
Surface Temperature Anomaly
LATITUDE
LONGITUDE
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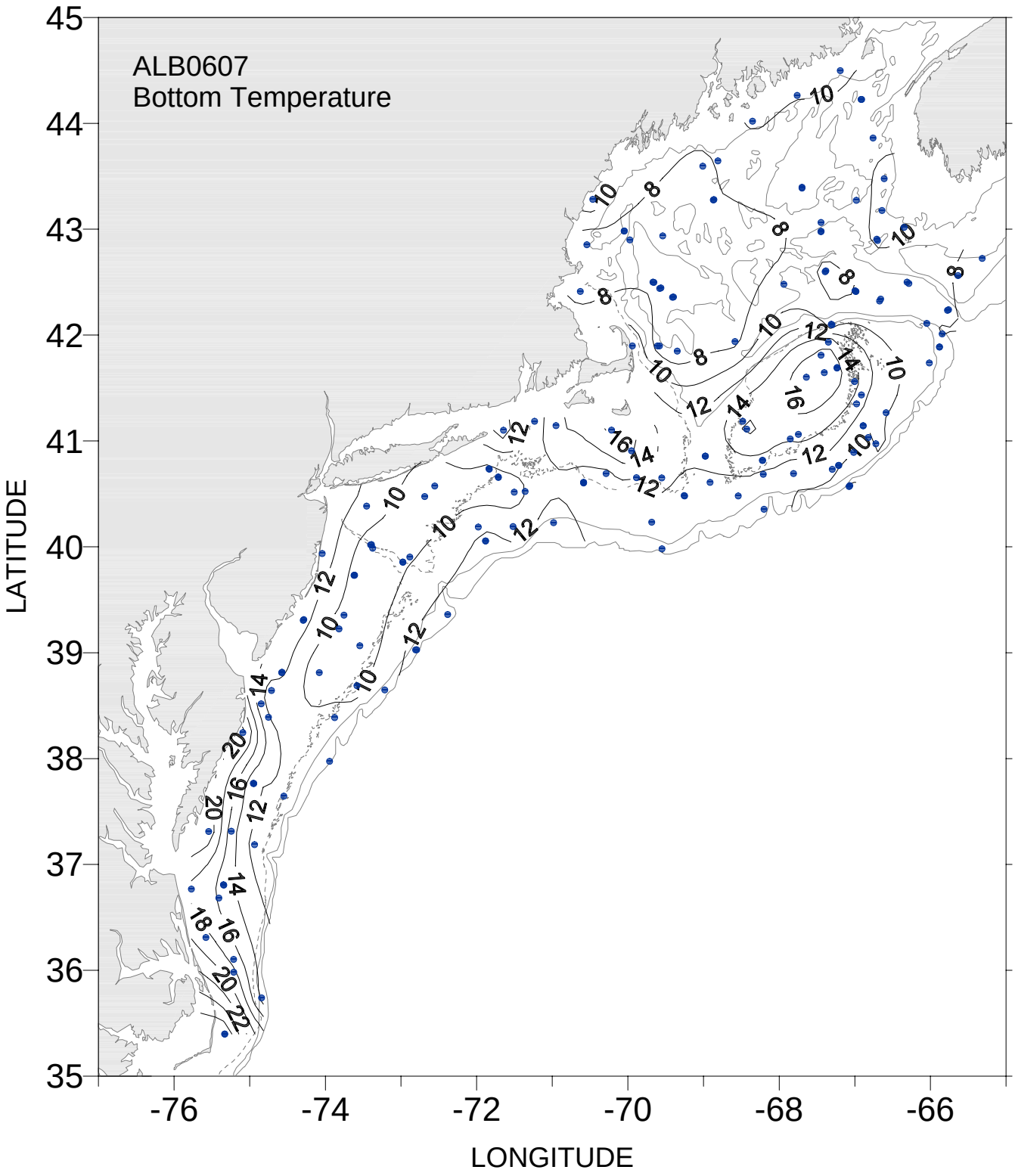
ALB0607
Bottom Temperature
LATITUDE
LONGITUDE
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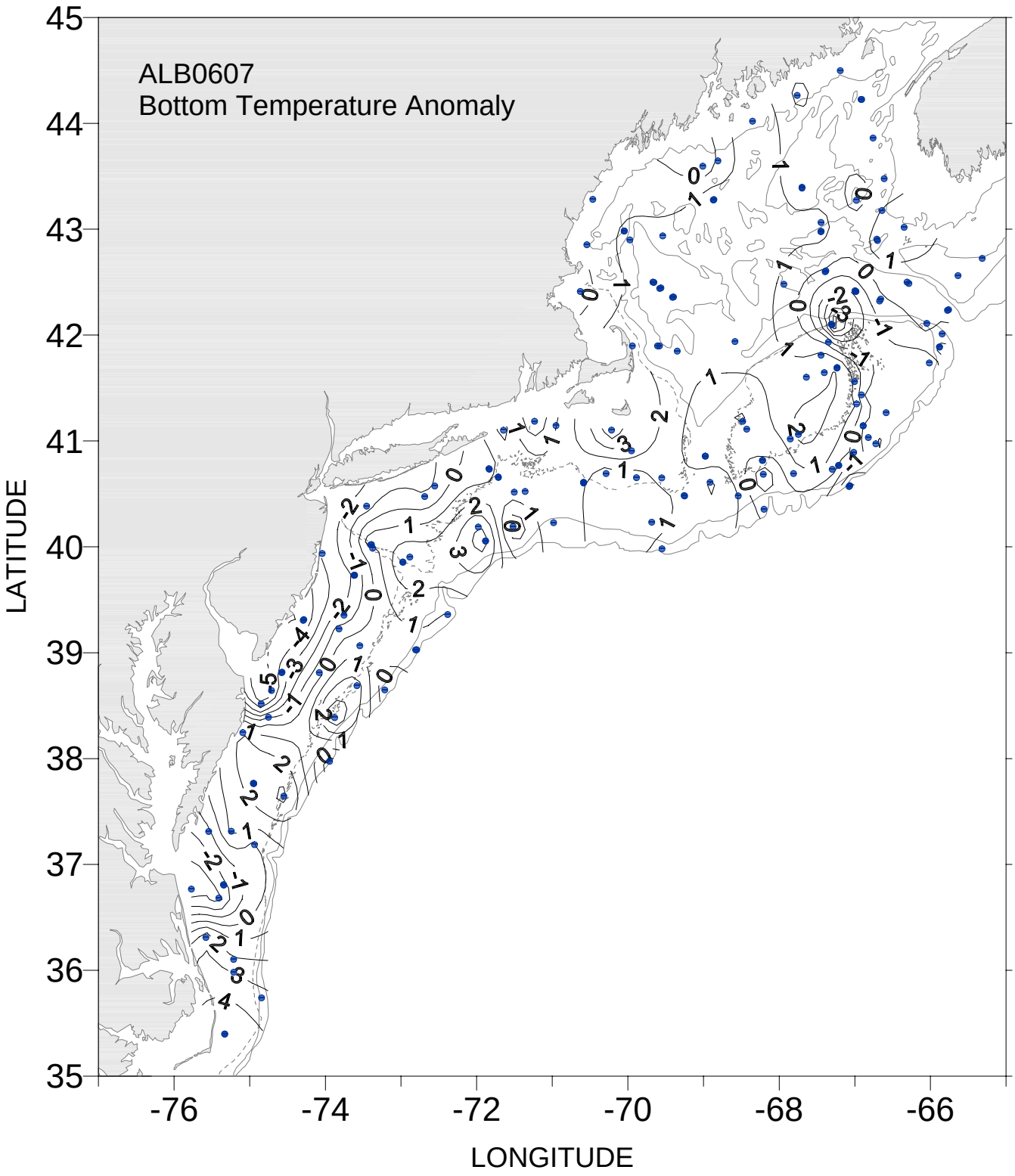
ALB0607
Bottom Temperature Anomaly
LATITUDE
LONGITUDE
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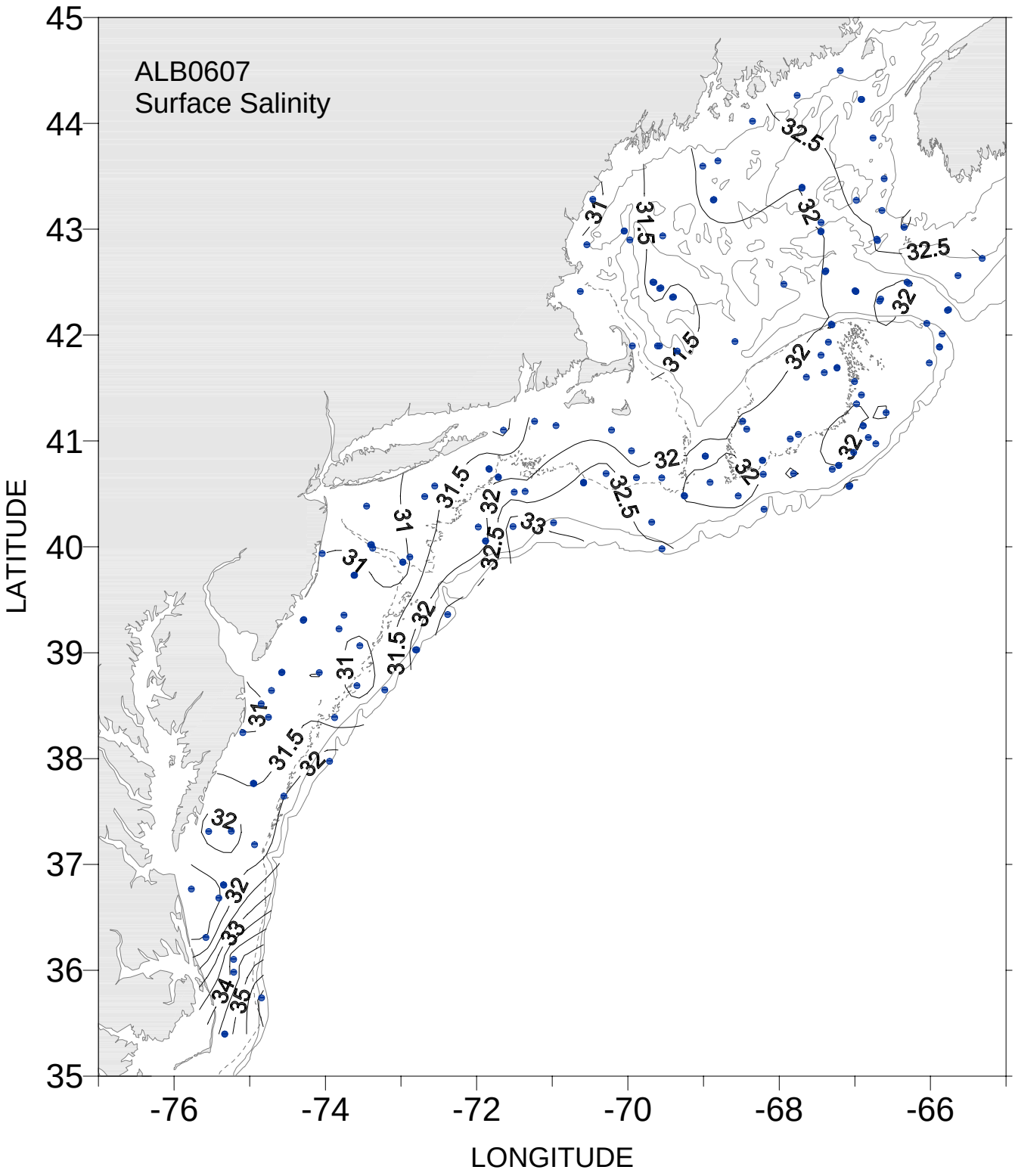
ALB0607
Surface Salinity
LATITUDE
LONGITUDE
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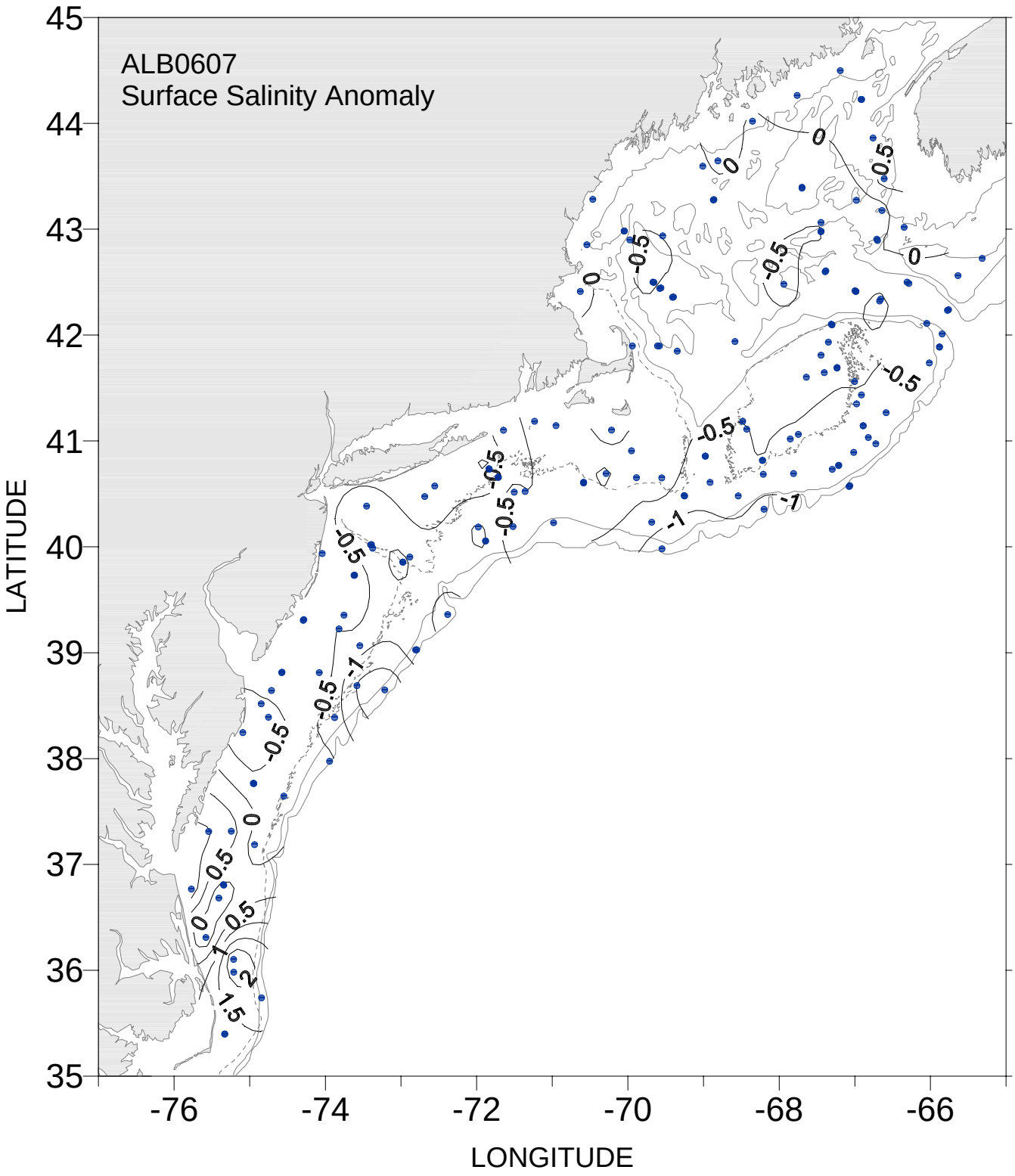
ALB0607
Surface Salinity Anomaly
LATITUDE
LONGITUDE
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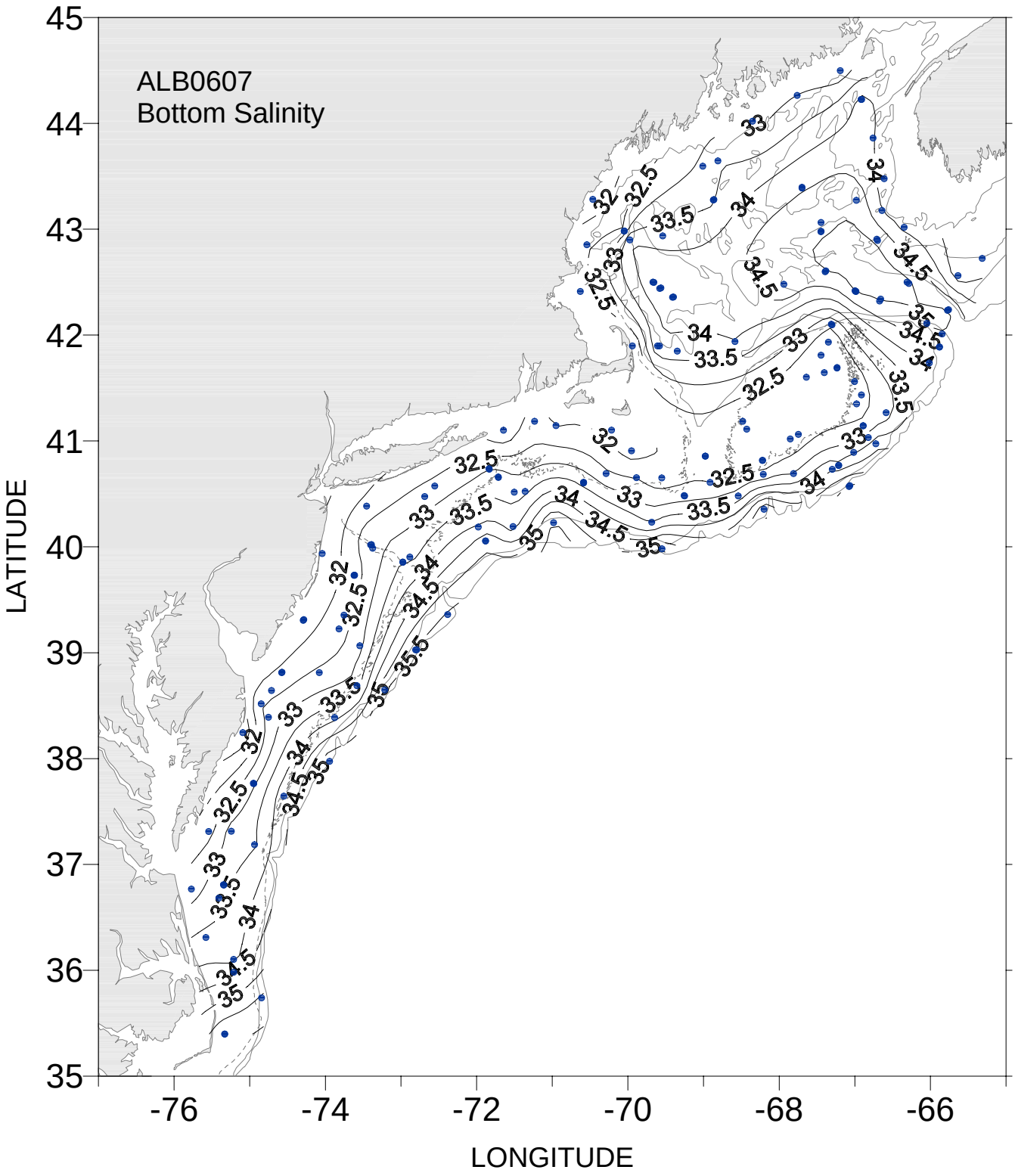
ALB0607
Bottom Salinity
LATITUDE
LONGITUDE
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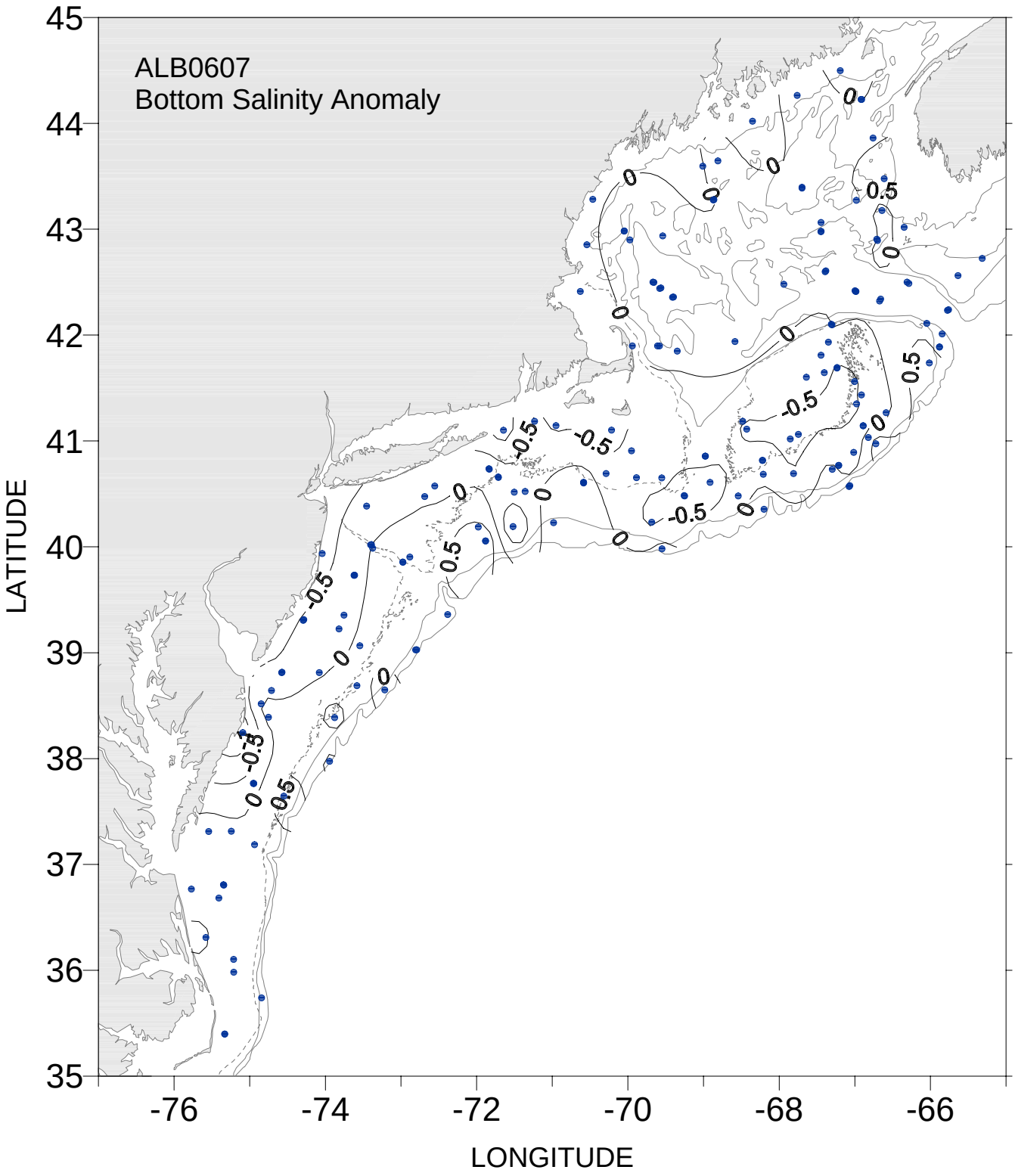
ALB0607
Bottom Salinity Anomaly
LATITUDE
LONGITUDE
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Ecosystem Monitoring Survey ALB0607
15 - 30 August, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters From Bottom
1	1	4108.7	7057.0	15	8	2006	23:25	28	19.76	31.59	14.11	31.95	5
2	2	4111.1	7114.1	16	8	2006	0:40	47	20.07	31.69	10.43	32.30	3
3	3	4106.0	7138.7	16	8	2006	2:49	30	18.56	30.83	15.35	31.49	4
4	4	4044.0	7149.9	16	8	2006	5:20	53	22.18	31.92	9.37	32.99	4
5	4	4044.2	7150.2	16	8	2006	5:33	53	22.17	31.94	9.49	33.02	6
6	5	4039.6	7142.9	16	8	2006	6:33	66	22.41	31.92	9.48	33.27	6
7	5	4039.3	7142.7	16	8	2006	6:49	66	22.41	31.92	9.46	33.27	5
8	6	4031.0	7130.2	16	8	2006	8:48	69	21.89	32.34	9.11	33.27	6
9	7	4031.4	7121.5	16	8	2006	9:40	67	22.05	32.11	9.98	33.40	6
10	8	4011.5	7131.1	16	8	2006	12:01	85	22.98	33.41	11.07	33.81	6
11	9	4011.2	7158.7	16	8	2006	14:18	66	22.63	31.67	10.95	34.01	5
12	10	4003.3	7152.9	16	8	2006	15:18	80	23.33	31.88	13.03	34.86	4
13	10	4003.3	7152.9	16	8	2006	15:30	79	23.20	31.87	13.06	34.90	3
14	11	3921.6	7222.9	16	8	2006	20:40	139	24.47	32.66	12.85	35.59	4
15	12	3901.6	7248.4	16	8	2006	23:31	118	24.79	32.21	12.68	35.57	3
16	12	3901.7	7247.5	16	8	2006	23:55	170	24.72	32.27	12.86	35.59	67
17	13	3838.9	7312.8	17	8	2006	2:43	125	24.07	31.17	11.79	35.51	4
18	14	3841.3	7335.0	17	8	2006	4:41	62	25.38	30.82	9.36	33.24	5
19	15	3903.9	7332.7	17	8	2006	6:58	52	25.42	30.90	8.39	32.81	7
21	26	3823.2	7352.6	17	8	2006	23:58	66	25.14	31.30	10.91	33.88	5
22	27	3758.4	7356.6	18	8	2006	2:24	195	25.36	32.30	10.46	35.36	6
23	28	3738.7	7432.9	18	8	2006	5:55	59	25.35	32.01	11.80	34.32	6
24	29	3711.2	7456.2	18	8	2006	9:04	41	24.94	31.53	11.26	33.42	5
25	30	3648.5	7520.8	18	8	2006	12:07	24	24.73	31.61	15.15	33.45	6
26	30	3648.3	7520.6	18	8	2006	12:22	24	24.74	31.61	15.15	33.45	2
27	31	3641.0	7524.5	18	8	2006	13:31	25	24.74	31.38	15.86	33.37	5
28	32	3606.2	7512.8	18	8	2006	17:01	32	26.75	34.54	17.08	33.85	3
29	33	3558.9	7512.6	18	8	2006	17:47	32	27.09	34.02	18.70	34.34	3
30	34	3544.4	7450.6	18	8	2006	20:10	128	28.09	36.26	13.07	35.59	7
31	35	3523.9	7519.9	18	8	2006	23:30	24	27.99	34.71	28.03	35.89	4
32	35	3523.9	7519.8	18	8	2006	23:45	24	27.97	34.68	27.99	35.87	2
33	36	3618.6	7534.8	19	8	2006	5:28	24	25.94	31.42	18.57	33.65	5
34	37	3646.0	7546.3	19	8	2006	8:22	18	24.83	31.26	17.40	32.79	5
35	38	3718.7	7532.6	19	8	2006	12:01	16	24.26	32.20	21.73	32.32	6

Ecosystem Monitoring Survey ALB0607
15 - 30 August, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters From Bottom
36	39	3718.8	7514.6	19	8	2006	13:34	25	24.83	32.38	14.81	33.24	5
37	40	3746.0	7457.1	19	8	2006	16:38	26	26.20	31.36	12.36	32.92	5
38	40	3745.9	7456.8	19	8	2006	16:51	27	26.07	31.38	12.49	32.90	3
39	40	3745.8	7456.9	19	8	2006	16:58	27	26.29	31.50	25.55	31.34	15
40	41	3814.7	7505.5	19	8	2006	19:58	15	24.46	31.01	21.22	31.01	4
41	42	3823.4	7445.1	19	8	2006	22:01	29	24.24	30.95	12.08	32.70	4
42	43	3831.0	7450.9	19	8	2006	23:07	22	23.65	30.96	12.55	32.51	4
43	44	3838.6	7442.7	20	8	2006	0:22	26	24.16	31.18	10.85	32.31	4
44	45	3848.9	7434.4	20	8	2006	1:46	22	25.05	31.47	12.54	32.11	3
45	45	3848.7	7434.6	20	8	2006	1:58	21	25.03	31.47	12.58	32.12	2
46	46	3848.7	7404.8	20	8	2006	4:24	44	24.95	31.54	8.51	32.61	5
47	47	3918.7	7417.1	20	8	2006	7:35	19	22.68	31.23	12.83	31.78	5
48	47	3918.3	7417.6	20	8	2006	7:55	18	22.71	31.21	12.72	31.79	5
49	48	3913.5	7349.1	20	8	2006	10:18	37	25.12	31.08	9.15	32.35	5
50	49	3921.3	7345.2	20	8	2006	11:19	36	23.83	31.41	9.49	32.32	5
51	50	3943.9	7336.9	20	8	2006	13:49	34	24.13	31.36	9.49	32.24	4
52	50	3943.8	7337.2	20	8	2006	14:07	34	24.12	31.36	9.49	32.24	3
53	51	3956.2	7402.5	20	8	2006	16:49	19	18.52	31.00	13.39	31.62	4
54	52	4023.1	7327.2	20	8	2006	20:42	27	23.67	30.59	11.52	32.16	4
55	53	4001.3	7323.4	20	8	2006	23:04	73	22.82	30.75	8.95	33.03	1
56	53	4001.1	7324.1	20	8	2006	23:21	76	22.95	30.72	8.87	33.07	7
57	54	3959.2	7322.5	20	8	2006	23:49	64	23.25	30.65	8.40	32.73	3
58	55	3951.2	7258.4	21	8	2006	2:00	72	23.94	30.63	9.85	33.54	4
59	55	3951.4	7258.6	21	8	2006	2:16	72	23.93	30.63	9.83	33.53	4
60	56	3954.2	7253.0	21	8	2006	3:10	52	24.58	31.16	9.79	33.32	4
61	57	4028.5	7241.1	21	8	2006	6:39	44	23.65	31.49	8.95	32.73	5
62	58	4034.4	7233.2	21	8	2006	7:37	41	23.11	31.40	9.13	32.66	5
63	59	4013.7	7059.0	21	8	2006	15:07	120	22.79	32.90	13.25	35.62	3
64	60	4036.2	7035.1	21	8	2006	18:10	63	22.70	32.62	10.84	33.38	3
65	60	4036.5	7035.1	21	8	2006	18:19	63	22.73	32.64	22.72	32.63	55
66	60	4036.5	7035.1	21	8	2006	18:28	63	22.78	32.64	10.82	33.39	2
67	61	4041.5	7017.3	21	8	2006	20:49	48	22.04	32.81	11.38	32.60	5
68	62	4039.2	6953.2	21	8	2006	22:53	53	16.89	32.14	11.63	32.53	4
69	63	4013.9	6941.1	22	8	2006	1:40	81	21.48	32.25	10.70	33.45	3

Ecosystem Monitoring Survey ALB0607
15 - 30 August, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters From Bottom
70	64	3958.9	6932.9	22	8	2006	3:31	139	22.20	32.62	12.07	35.51	4
71	65	4028.8	6915.0	22	8	2006	7:01	72	20.87	31.97	10.28	32.81	7
72	65	4029.0	6915.4	22	8	2006	7:22	71	20.76	31.97	10.30	32.80	5
73	66	4039.0	6933.2	22	8	2006	9:21	48	17.25	32.27	13.26	32.22	5
74	67	4054.4	6957.1	22	8	2006	11:34	21	16.59	31.76	16.50	31.77	5
75	68	4106.1	7013.0	22	8	2006	13:23	25	18.39	31.71	16.71	31.91	5
76	69	4153.8	6956.4	23	8	2006	22:22	19	18.20	31.41	11.83	31.83	3
77	70	4153.8	6936.5	24	8	2006	0:10	198	18.83	31.44	7.16	33.96	3
78	70	4153.8	6935.0	24	8	2006	0:58	203	18.56	31.44	7.20	33.89	0
79	71	4150.9	6920.8	24	8	2006	3:20	193	19.50	31.44	6.77	33.70	4
80	72	4156.3	6835.1	24	8	2006	7:19	167	19.82	31.67	7.30	33.99	5
81	73	4111.1	6828.9	24	8	2006	11:51	55	16.48	32.04	15.85	32.08	3
82	74	4106.7	6825.8	24	8	2006	12:34	50	16.63	32.03	16.59	32.03	6
83	75	4051.4	6858.5	24	8	2006	15:37	71	20.68	32.09	12.69	32.33	8
84	75	4051.4	6858.7	24	8	2006	15:53	78	20.68	32.09	12.64	32.34	12
85	76	4036.5	6854.8	24	8	2006	18:00	67	20.64	31.92	11.49	32.47	6
86	77	4028.8	6832.5	24	8	2006	19:45	88	20.56	31.95	10.44	33.20	3
87	78	4021.3	6812.0	24	8	2006	21:37	146	21.37	32.10	11.45	35.45	2
88	79	4041.1	6812.6	24	8	2006	23:49	76	19.42	32.01	11.38	32.53	3
89	80	4049.0	6813.3	25	8	2006	0:43	52	18.23	32.12	13.54	32.25	2
90	80	4049.0	6813.1	25	8	2006	0:56	48	17.43	32.11	13.53	32.25	5
91	81	4101.1	6751.2	25	8	2006	3:16	50	17.48	32.11	14.21	32.22	4
92	82	4103.7	6744.8	25	8	2006	3:54	53	17.09	32.16	14.93	32.18	3
93	83	4041.5	6748.6	25	8	2006	6:04	79	19.05	31.98	10.28	32.99	2
94	84	4043.9	6717.9	25	8	2006	8:36	95	19.25	32.05	10.86	34.01	4
95	85	4046.1	6712.9	25	8	2006	9:13	95	18.67	31.96	10.14	33.63	5
96	85	4046.2	6712.7	25	8	2006	9:31	95	18.68	31.96	10.12	33.63	4
97	86	4034.2	6704.5	25	8	2006	11:16	238	21.28	32.61	9.61	35.27	37
98	86	4034.7	6704.0	25	8	2006	11:49	244	21.44	32.67	7.64	35.12	6
99	87	4053.5	6700.9	25	8	2006	13:52	87	18.39	32.02	10.12	33.44	5
100	88	4058.4	6643.3	25	8	2006	15:23	83	18.61	32.07	10.50	33.89	6
101	89	4101.9	6649.2	25	8	2006	16:19	72	18.37	32.08	9.66	33.17	6
102	90	4108.6	6653.3	25	8	2006	17:30	69	17.76	32.02	10.41	32.64	5
103	90	4108.6	6653.4	25	8	2006	17:36	69	17.85	32.02	10.39	32.64	4

Ecosystem Monitoring Survey ALB0607
15 - 30 August, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters From Bottom
104	91	4116.0	6635.2	25	8	2006	19:16	85	17.71	31.99	10.02	32.74	3
105	92	4121.0	6658.6	25	8	2006	21:25	65	18.12	32.00	13.30	32.31	4
106	93	4126.1	6654.8	25	8	2006	22:13	67	17.66	32.08	12.65	32.38	4
107	94	4133.6	6700.2	25	8	2006	23:19	61	15.86	32.20	14.88	32.20	4
108	95	4141.3	6714.1	26	8	2006	0:40	55	16.43	32.15	16.48	32.16	3
109	95	4141.6	6714.0	26	8	2006	0:52	54	16.42	32.15	16.46	32.15	4
110	96	4138.7	6724.2	26	8	2006	2:04	45	17.09	32.13	17.10	32.13	3
111	97	4136.1	6738.4	26	8	2006	3:19	36	17.56	32.11	17.57	32.11	4
112	98	4148.6	6726.8	26	8	2006	4:49	43	16.75	32.13	16.57	32.12	4
113	99	4156.0	6720.9	26	8	2006	5:40	48	15.90	32.15	15.87	32.15	4
114	100	4206.1	6718.6	26	8	2006	6:49	55	16.78	31.98	8.16	32.61	6
115	100	4205.8	6718.0	26	8	2006	7:04	49	16.72	31.98	9.04	32.56	5
116	101	4228.7	6756.3	26	8	2006	10:56	212	18.66	31.68	8.49	35.01	7
117	102	4235.9	6723.6	26	8	2006	13:40	265	17.21	32.05	8.94	34.95	66
118	102	4236.4	6723.0	26	8	2006	14:06	264	17.19	32.04	7.82	35.05	6
119	103	4225.1	6659.8	26	8	2006	16:15	360	16.31	32.56	8.34	35.12	158
120	103	4224.7	6659.0	26	8	2006	16:46	366	16.42	32.53	7.97	35.08	0
121	103	4224.8	6659.4	26	8	2006	17:19	359	16.31	32.55	7.96	35.08	4
122	104	4219.3	6640.4	26	8	2006	19:51	293	17.71	31.87	8.00	35.08	92
123	104	4220.4	6639.4	26	8	2006	20:22	299	17.71	31.87	7.93	35.08	2
124	105	4229.2	6617.1	26	8	2006	22:22	236	16.92	31.95	8.36	35.12	34
125	105	4230.0	6618.6	26	8	2006	22:58	229	16.89	31.93	8.31	35.12	5
126	106	4206.6	6602.9	27	8	2006	2:46	185	16.68	32.48	8.69	35.05	2
127	107	4144.2	6600.8	27	8	2006	5:18	98	16.82	32.25	9.20	33.92	4
128	108	4153.3	6552.8	27	8	2006	6:34	118	16.64	32.43	9.13	34.32	4
129	109	4200.7	6550.7	27	8	2006	7:33	216	17.89	32.10	7.45	35.03	10
130	110	4214.0	6546.4	27	8	2006	9:25	219	16.37	32.03	8.94	35.10	21
131	110	4214.3	6545.6	27	8	2006	9:56	218	16.27	32.05	8.18	35.10	5
132	111	4233.7	6538.1	27	8	2006	13:26	90	15.38	32.20	7.85	33.20	6
133	112	4243.5	6518.9	27	8	2006	15:13	98	14.28	32.52	7.45	33.29	6
134	113	4301.1	6620.9	27	8	2006	19:57	133	14.27	33.09	10.50	33.88	5
135	114	4310.6	6638.4	27	8	2006	22:04	122	14.52	32.59	10.69	33.95	4
136	115	4254.3	6642.5	27	8	2006	23:53	188	14.66	32.48	10.45	34.93	4
137	115	4253.6	6642.0	28	8	2006	0:20	213	14.12	32.61	10.45	34.97	6

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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth (Meters)	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters From Bottom
138	116	4258.8	6726.7	28	8	2006	3:58	229	17.33	31.95	8.61	34.84	26
139	116	4258.6	6726.9	28	8	2006	4:15	233	17.47	31.91	8.61	34.94	2
140	117	4303.8	6726.8	28	8	2006	5:01	196	16.39	32.15	8.43	34.80	3
141	118	4323.8	6741.9	28	8	2006	7:24	247	16.60	31.99	8.11	34.43	47
142	118	4323.3	6741.9	28	8	2006	7:52	247	16.65	32.00	8.18	34.47	6
143	119	4316.4	6658.8	28	8	2006	12:01	175	15.56	32.63	8.85	34.89	5
144	120	4328.6	6636.7	28	8	2006	14:10	98	13.19	32.91	10.72	33.77	5
145	121	4351.7	6645.6	28	8	2006	16:22	123	13.06	32.94	9.28	34.03	3
146	122	4413.6	6654.5	28	8	2006	18:40	177	13.50	32.72	8.18	34.17	3
147	122	4413.6	6655.0	28	8	2006	19:19	176	13.72	32.70	8.17	34.17	2
148	123	4429.9	6711.6	28	8	2006	22:00	77	11.17	32.62	11.17	32.62	2
149	124	4415.8	6745.7	29	8	2006	0:46	91	12.49	32.76	10.05	33.03	3
150	125	4401.2	6821.1	29	8	2006	3:40	83	12.12	32.40	10.32	32.78	3
151	126	4338.7	6848.6	29	8	2006	6:45	124	13.85	32.42	8.26	33.48	4
152	127	4335.7	6900.6	29	8	2006	8:16	117	14.42	32.07	7.37	33.10	3
153	128	4316.5	6852.3	29	8	2006	10:31	135	14.77	32.17	8.17	33.39	6
154	128	4316.8	6851.8	29	8	2006	10:55	130	14.78	32.17	7.92	33.52	5
155	129	4256.2	6932.3	29	8	2006	14:52	157	18.03	31.66	6.71	33.68	5
156	130	4221.4	6924.6	29	8	2006	18:34	230	19.62	31.38	7.44	34.22	30
157	130	4221.6	6923.8	29	8	2006	18:55	230	19.58	31.39	7.49	34.26	2
158	131	4226.4	6934.8	29	8	2006	20:07	251	19.26	31.62	7.64	34.30	49
159	131	4226.7	6933.8	29	8	2006	20:36	255	19.25	31.62	7.72	34.41	3
160	132	4230.0	6940.2	29	8	2006	21:30	254	18.84	31.57	7.59	34.29	52
161	132	4229.9	6939.4	29	8	2006	21:55	244	18.79	31.57	7.83	34.42	4
162	133	4253.9	6958.5	30	8	2006	1:53	174	18.72	31.33	7.23	34.04	4
163	134	4258.9	7003.0	30	8	2006	2:54	61	18.32	31.40	7.17	32.55	4
164	134	4259.0	7002.8	30	8	2006	3:04	56	17.93	31.41	7.09	32.56	4
165	135	4316.9	7027.9	30	8	2006	5:52	26	16.29	30.85	11.53	31.69	4
166	136	4251.2	7032.6	30	8	2006	8:19	96	16.88	31.09	6.27	32.45	5
167	137	4224.7	7037.8	30	8	2006	11:19	80	17.23	31.17	7.03	32.29	5