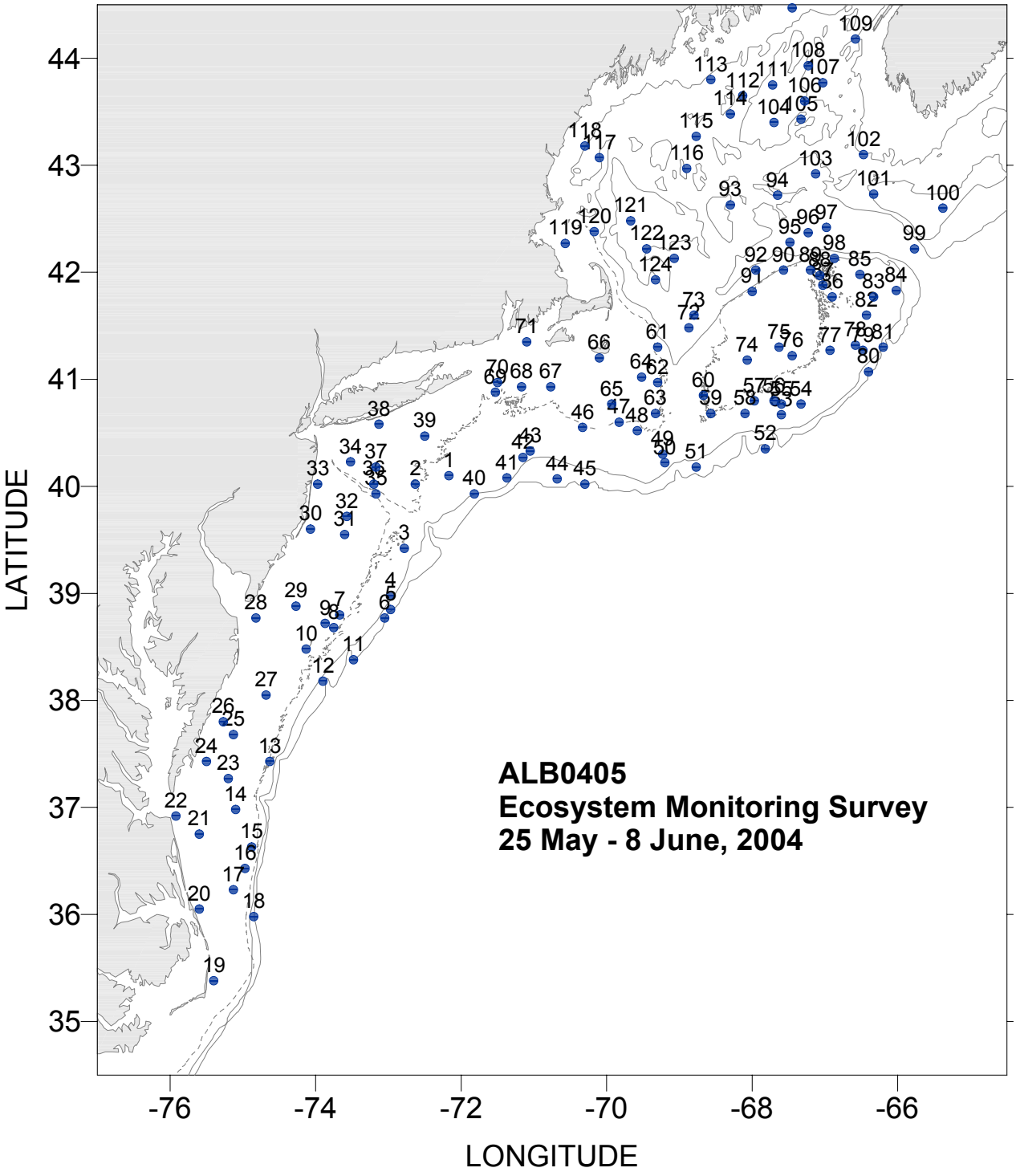
ALB0405
Ecosystem Monitoring Survey
25 May - 8 June, 2004
LATITUDE
LONGITUDE
44
43
42
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36
35
-76
-74
-72
-70
-68
-66

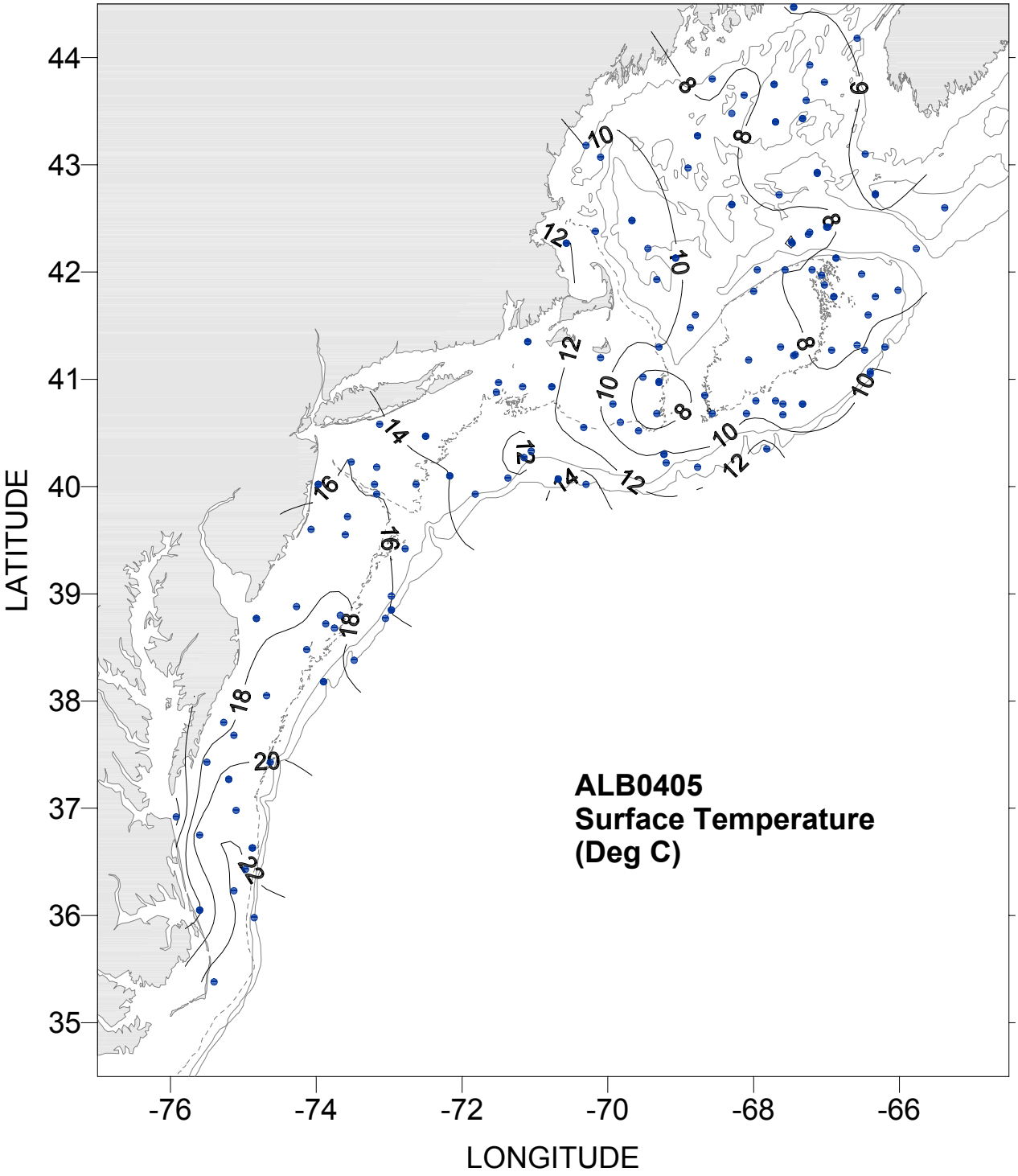
Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the Spring ECOMON Survey ALB0405. (See Mountain, Taylor, and Bascunan, 2004)

		SURFACE						BOTTOM						
CRUISE	CD	#obs	T / S	Anomaly	SDV1	SDV2	Flag	#obs	T / S	Anomaly	SDV1	SDV2	Flag	Purpose
Gulf of Maine East														
ALB0405	157	22	7.31	-1.49	0.20	0.94	0	14	6.30	-0.79	0.26	1.12	0	22
ALB0405	157	22	32.10	-0.24	0.15	0.21	0	14	33.64	-0.23	0.15	0.25	0	22
Gulf of Maine West														
ALB0405	158	20	9.59	-1.29	0.24	1.31	1	16	4.56	-1.19	0.23	1.85	1	22
ALB0405	158	20	32.01	-0.18	0.15	0.46	1	16	33.15	-0.18	0.13	0.47	1	22
Georges Bank														
ALB0405	153	35	8.66	-0.79	0.17	0.72	0	30	6.97	-1.12	0.19	1.05	0	22
ALB0405	153	35	32.75	-0.11	0.11	0.24	0	30	33.12	-0.12	0.11	0.27	0	22
MAB North														
ALB0405	150	24	12.63	0.66	0.25	1.32	0	20	6.53	-1.49	0.29	2.07	0	22
ALB0405	150	24	32.37	-0.10	0.17	0.42	0	20	33.11	-0.28	0.17	0.48	0	22
MAB South														
ALB0405	148	34	18.35	2.97	0.23	1.9	0	32	7.81	-1.86	0.25	1.74	0	22
ALB0405	148	34	31.59	-0.48	0.17	1.19	0	32	33.29	-0.10	0.15	0.45	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.


ALB0405
Surface Temperature
(Deg C)
LATITUDE
LONGITUDE
44
43
42
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37
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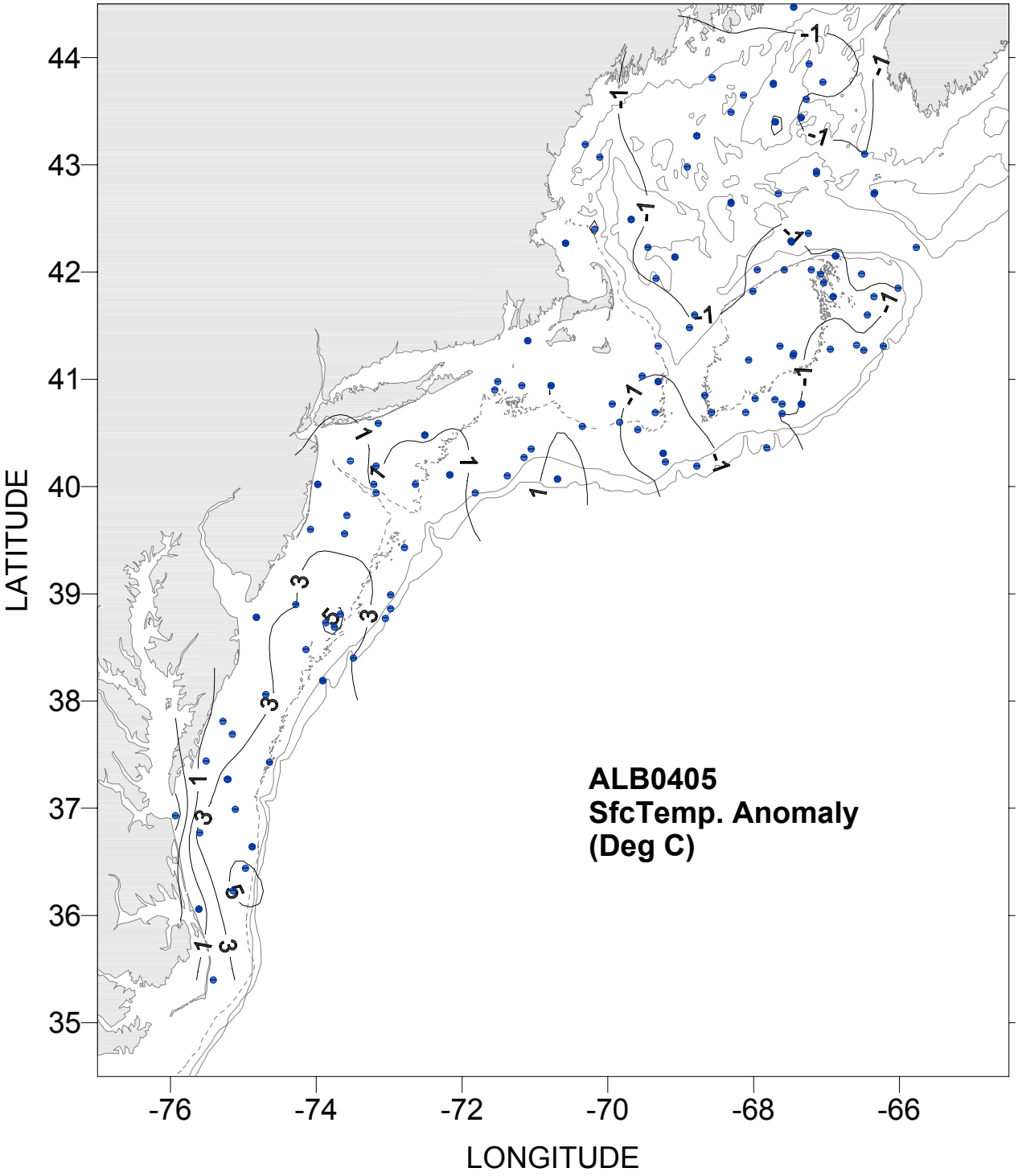
-76
-74
-72
-70
-68
-66


ALB0405
SfcTemp. Anomaly
(Deg C)
LATITUDE
LONGITUDE
44
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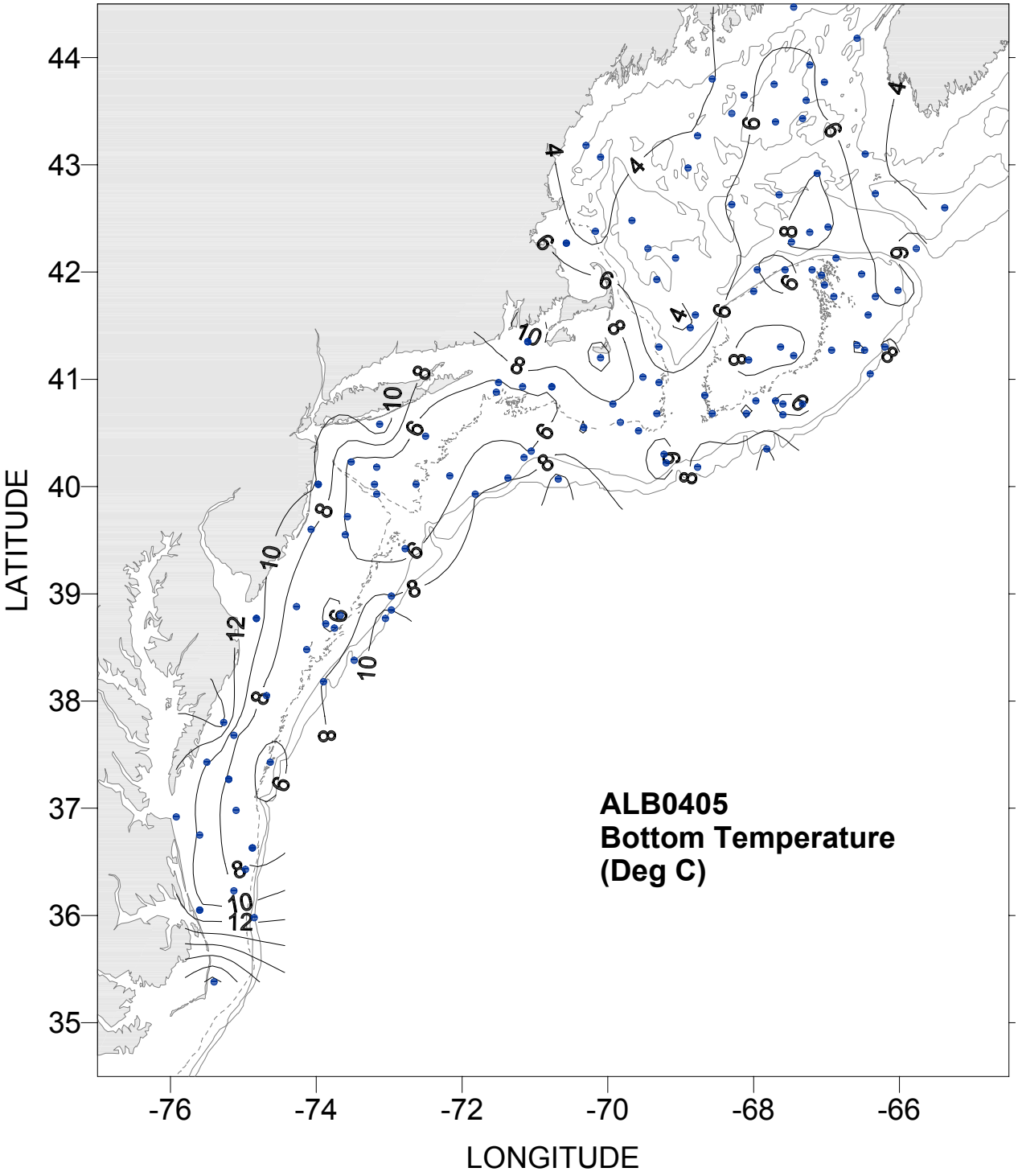
-76
-74
-72
-70
-68
-66


ALB0405
Bottom Temperature
(Deg C)
LATITUDE
LONGITUDE
44
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42
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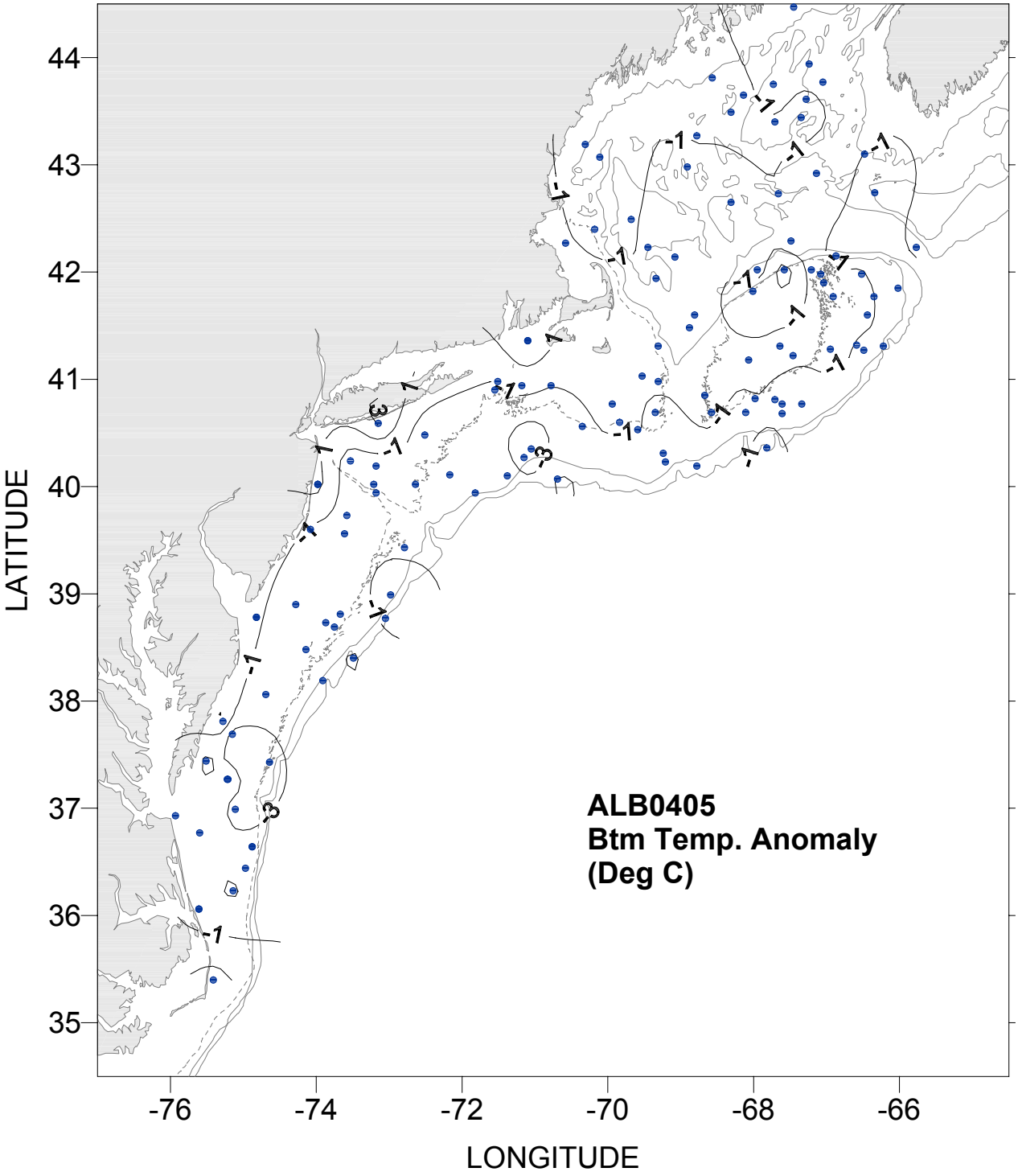
-76
-74
-72
-70
-68
-66


ALB0405
Btm Temp. Anomaly
(Deg C)
LATITUDE
LONGITUDE
44
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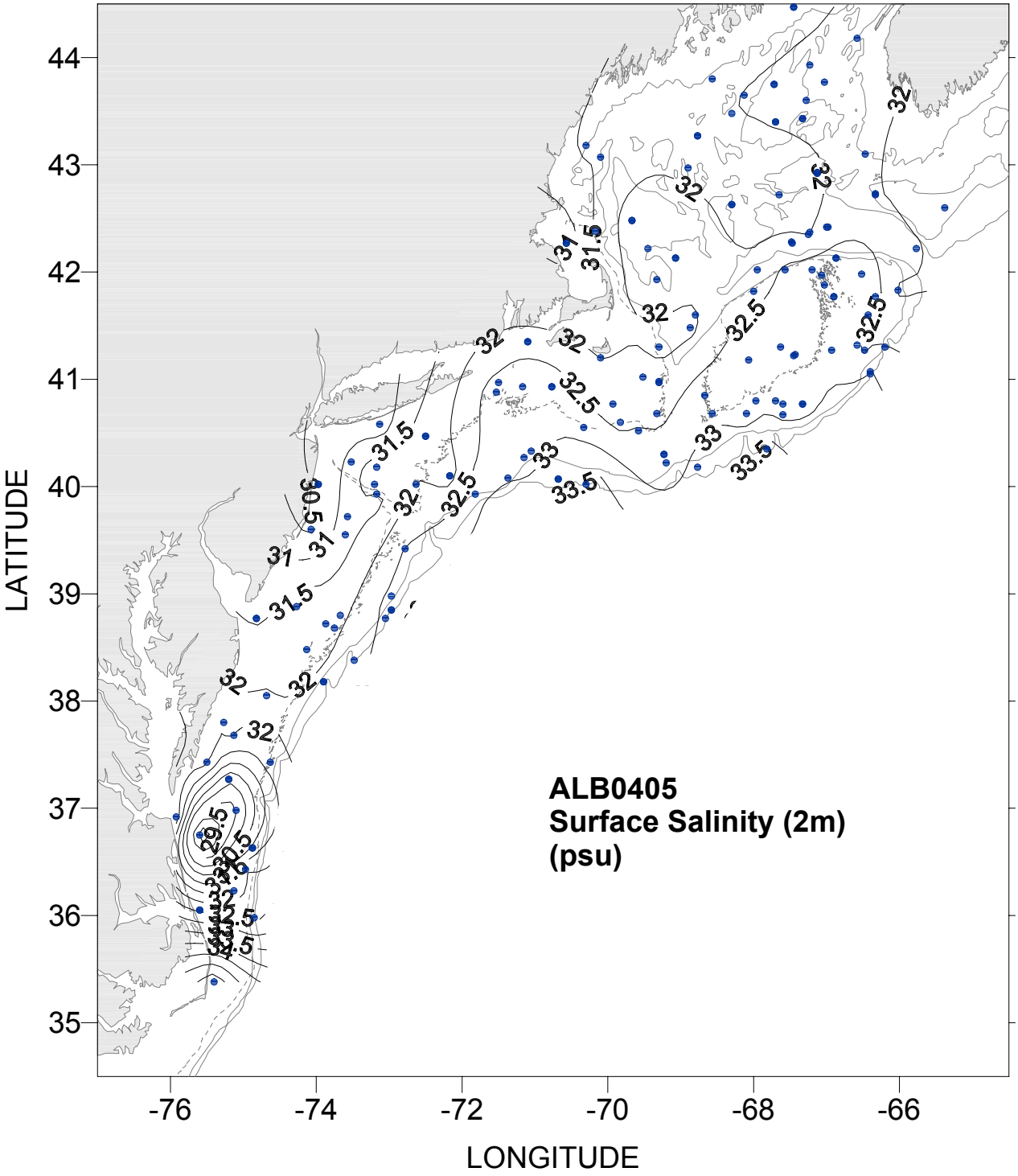
-72
-70
-68
-66


ALB0405
Surface Salinity (2m)
(psu)
LATITUDE
LONGITUDE
44
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-76
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-72
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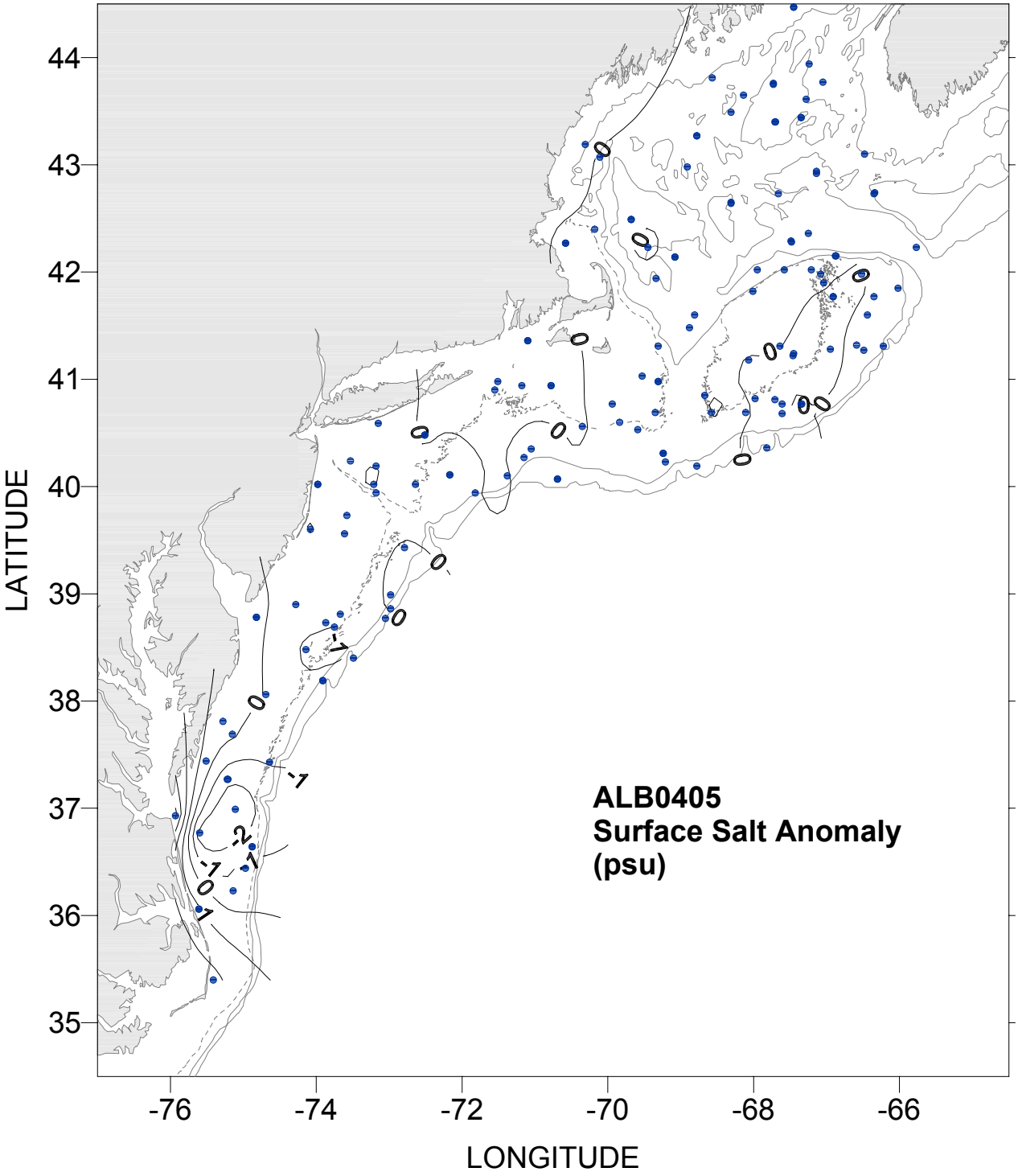
ALB0405
Surface Salt Anomaly
(psu)
LATITUDE
LONGITUDE
44
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-76
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-72
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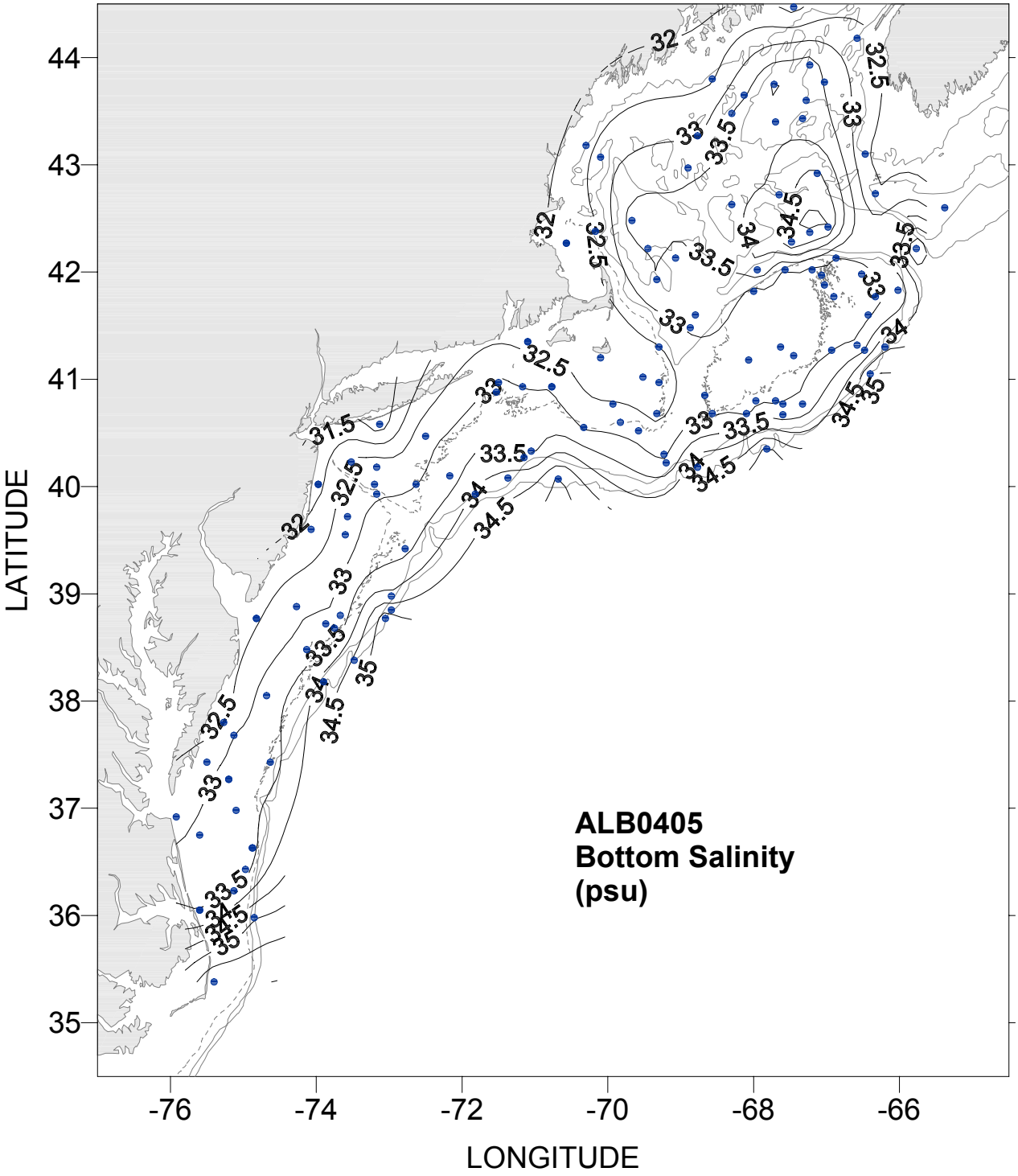
ALB0405
Bottom Salinity
(psu)
LATITUDE
LONGITUDE
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-76
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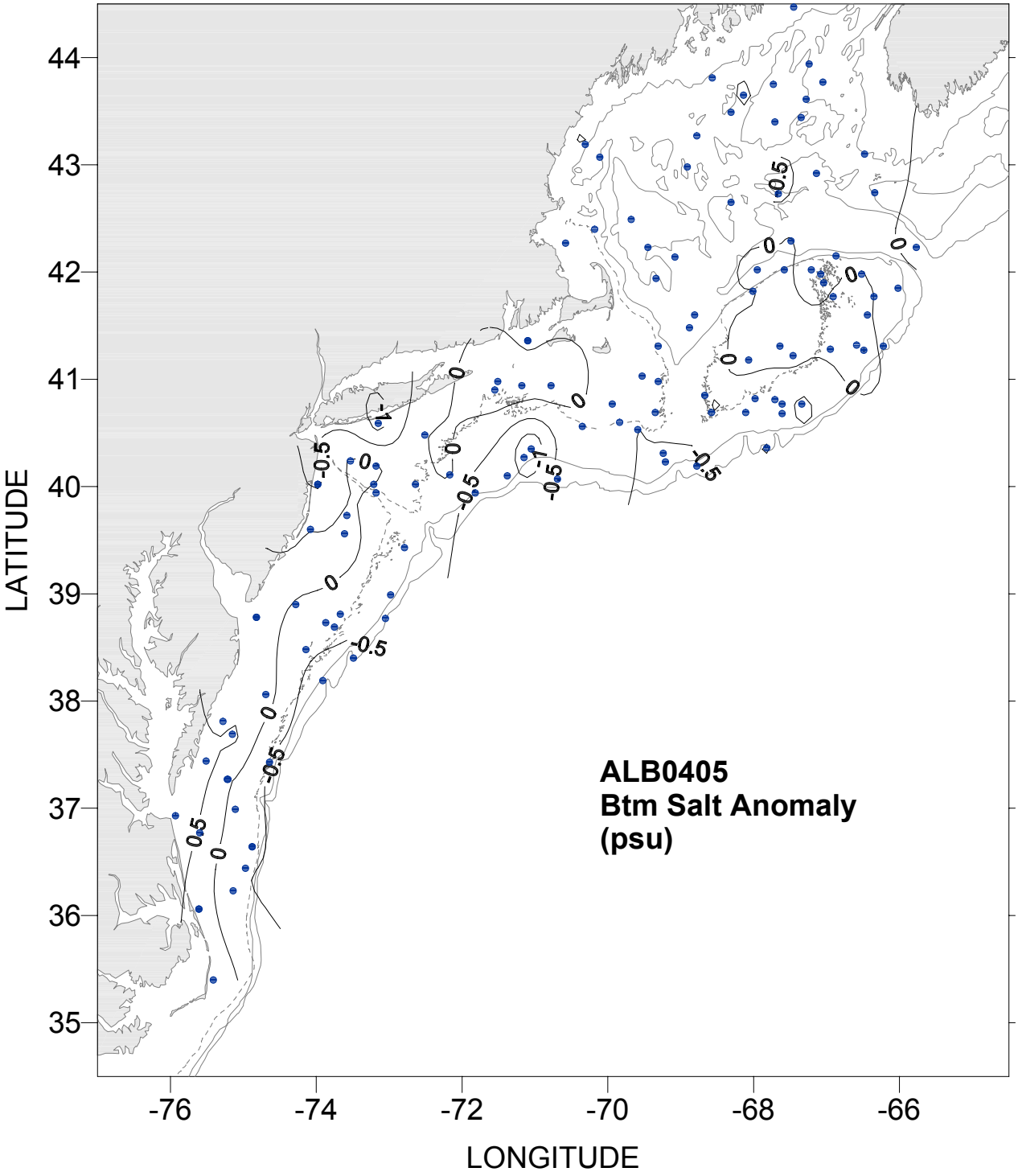
ALB0405
Btm Salt Anomaly
(psu)
LATITUDE
LONGITUDE
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-76
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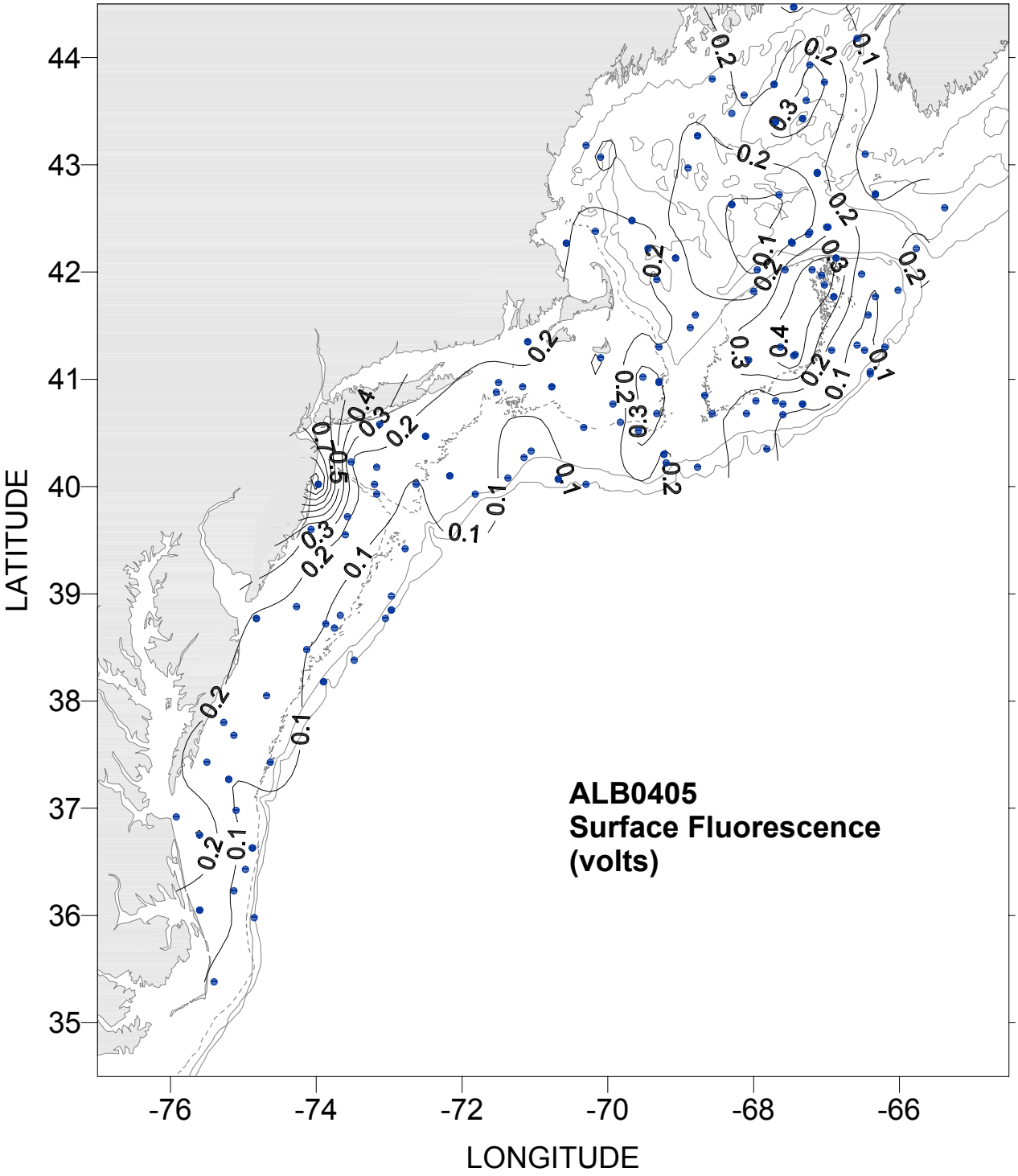
ALB0405
Surface Fluorescence
(volts)
LATITUDE
LONGITUDE
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-76
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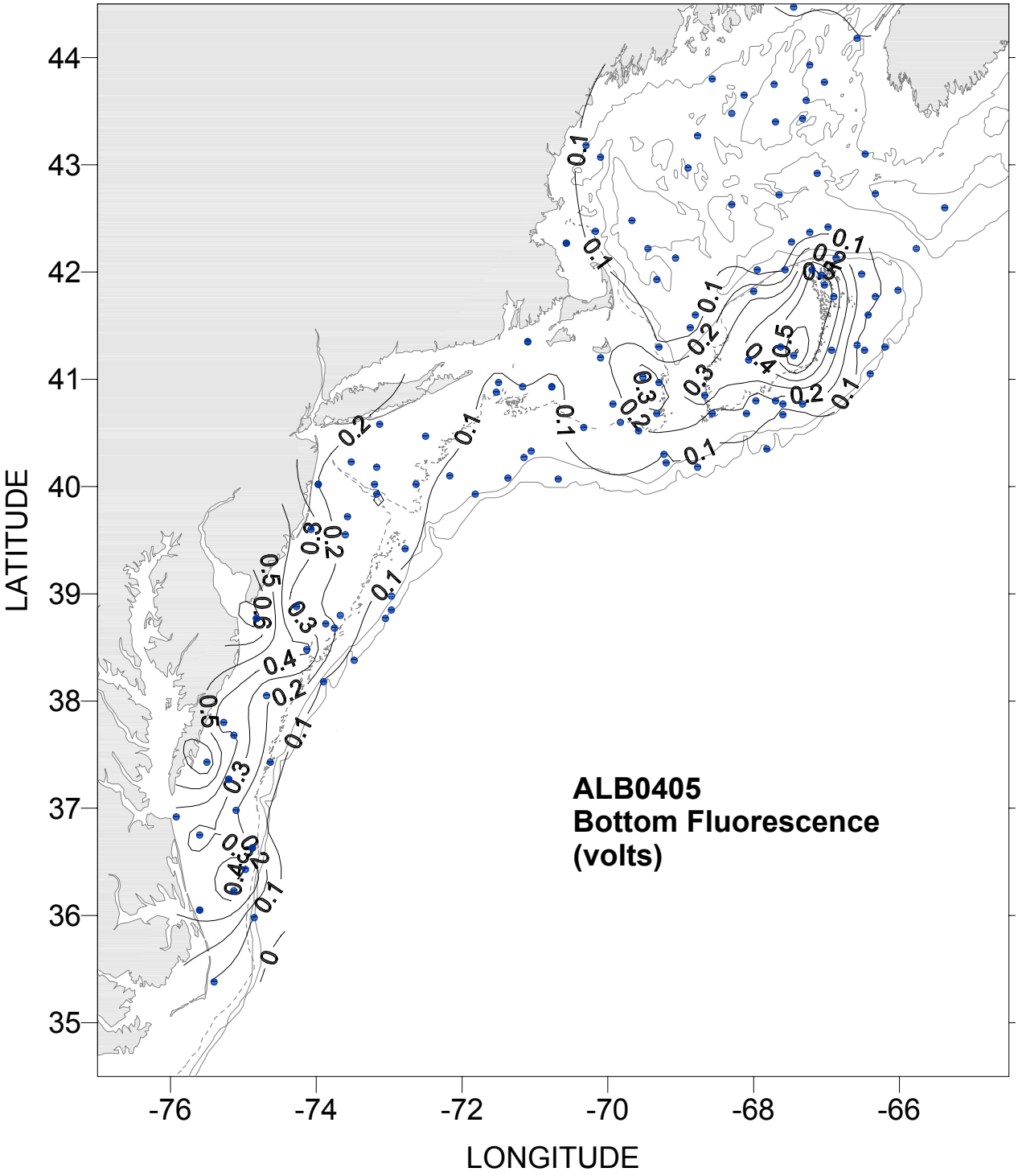
-68
-66


ALB0405
Bottom Fluorescence
(volts)
LATITUDE
LONGITUDE
44
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-76
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ALB0405 Spring ECOMON Survey

25 May - 08 June, 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	4006.5	7210.2	25	5	2004	6:54	69	14.08	31.78	5.32	33.16	25
2	1	4006.7	7210.2	25	5	2004	7:04	70	14.09	31.78	5.03	33.21	6
3	2	4001.3	7238.4	25	5	2004	9:22	59	14.97	32.04	4.32	32.98	4
4	3	3925.7	7247.4	25	5	2004	12:53	68	15.44	32.54	5.45	33.35	8
5	4	3859.1	7258.8	25	5	2004	15:33	86	16.19	32.60	7.76	34.08	7
6	5	3851.7	7258.7	25	5	2004	16:25	106	15.73	32.88	8.03	34.17	45
7	5	3851.5	7258.7	25	5	2004	16:31	116	16.19	32.67	10.11	34.85	6
8	6	3846.4	7303.0	25	5	2004	17:22	171	16.84	32.61	11.29	35.36	7
9	7	3848.6	7340.0	25	5	2004	20:17	56	18.91	31.88	5.82	33.14	6
10	8	3841.2	7345.0	25	5	2004	21:16	53	18.92	31.87	5.64	33.15	6
11	9	3843.6	7352.4	25	5	2004	22:08	45	18.81	31.83	6.05	33.17	6
12	10	3829.0	7408.2	26	5	2004	0:01	49	19.06	31.44	6.04	33.18	5
13	11	3823.7	7329.1	26	5	2004	3:07	133	17.54	32.28	9.36	34.60	4
14	12	3811.1	7354.7	26	5	2004	5:33	100	18.60	32.25	7.05	33.78	48
15	12	3811.1	7354.6	26	5	2004	5:40	99	18.70	32.25	8.16	34.19	4
16	13	3726.0	7438.2	26	5	2004	10:48	59	20.09	31.75	5.44	33.25	6
17	14	3659.2	7506.4	26	5	2004	14:00	39	21.32	29.40	6.69	33.36	6
18	15	3638.6	7452.9	26	5	2004	16:23	43	20.34	31.23	6.74	33.40	3
19	15	3638.5	7453.0	26	5	2004	16:31	43	21.94	30.97	6.79	33.40	5
20	16	3626.5	7458.4	26	5	2004	17:51	36	22.63	32.03	8.39	33.32	6
21	17	3614.0	7508.3	26	5	2004	19:19	32	22.36	31.69	7.91	33.51	7
22	18	3559.3	7451.2	26	5	2004	21:19	95	22.85	32.23	11.46	35.00	2
23	19	3523.9	7524.6	27	5	2004	1:32	19	23.24	35.92	23.09	35.99	7
24	20	3603.7	7536.7	27	5	2004	5:54	23	17.63	32.42	10.26	33.47	7
25	20	3603.8	7536.7	27	5	2004	6:00	23	17.43	32.56	10.20	33.45	4
26	21	3645.9	7536.0	27	5	2004	10:46	20	21.90	27.92	9.93	33.10	7
27	22	3655.9	7555.7	27	5	2004	12:46	19	12.82	32.45	11.14	32.84	6
28	23	3716.3	7512.8	27	5	2004	16:42	26	20.74	30.08	7.83	33.22	2
29	23	3716.3	7512.9	27	5	2004	16:46	25	20.75	30.11	7.86	33.22	6
30	24	3726.2	7530.5	27	5	2004	18:27	20	18.55	32.18	9.98	32.80	6
31	25	3741.1	7508.9	27	5	2004	20:42	29	18.45	32.08	8.19	33.07	5
32	26	3748.5	7516.9	27	5	2004	21:49	12	17.70	31.99	14.97	32.27	5
33	27	3803.8	7441.4	28	5	2004	1:01	30	19.03	32.05	7.22	33.25	6
34	28	3846.5	7449.0	28	5	2004	5:01	16	17.63	31.41	10.88	32.44	5
35	28	3846.6	7449.0	28	5	2004	5:07	17	17.55	31.44	10.85	32.44	4

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
36	29	3853.7	7416.7	28	5	2004	7:45	39	17.46	31.84	6.94	32.93	4
37	30	3936.2	7404.5	28	5	2004	11:45	16	16.61	30.40	8.13	32.13	5
38	31	3933.6	7336.8	28	5	2004	14:08	32	16.79	31.30	6.13	32.76	6
39	32	3943.5	7334.6	28	5	2004	15:18	35	16.75	31.23	5.69	32.85	6
40	33	4001.3	7358.8	28	5	2004	17:51	21	15.57	30.56	10.12	31.84	1
41	33	4001.4	7358.8	28	5	2004	17:57	21	15.86	30.55	12.05	31.62	7
42	34	4014.2	7331.7	28	5	2004	20:17	30	16.51	31.08	5.38	32.64	6
43	35	3956.2	7310.7	28	5	2004	22:37	77	16.33	31.22	4.46	32.97	5
44	36	4001.0	7312.6	28	5	2004	23:17	45	14.81	32.10	4.55	32.95	5
45	37	4011.1	7310.6	29	5	2004	0:24	42	14.69	31.73	4.50	32.86	6
46	38	4035.5	7308.9	29	5	2004	2:50	20	14.19	30.69	12.01	31.17	6
47	39	4028.6	7230.8	29	5	2004	5:48	45	13.33	31.81	4.25	32.90	16
48	39	4028.6	7230.6	29	5	2004	5:55	46	13.38	31.80	4.19	32.90	6
49	40	3956.3	7149.1	29	5	2004	10:19	112	12.39	32.87	8.02	34.13	4
50	41	4005.9	7122.7	29	5	2004	12:40	92	12.22	32.97	7.90	34.14	5
51	42	4016.2	7109.2	29	5	2004	14:21	95	11.24	32.73	6.75	33.69	4
52	43	4020.8	7103.1	29	5	2004	15:13	91	12.02	32.71	5.77	33.31	7
53	44	4004.0	7041.3	29	5	2004	17:38	131	14.24	33.50	9.96	34.51	67
54	44	4004.1	7041.3	29	5	2004	17:46	131	13.07	33.07	10.81	35.11	5
55	45	4001.3	7018.1	29	5	2004	19:49	240	15.10	33.90	11.55	35.46	40
56	46	4033.6	7020.8	29	5	2004	23:13	60	10.73	32.75	5.68	32.92	5
57	47	4036.2	6950.4	30	5	2004	1:25	58	9.06	32.35	6.69	32.78	7
58	48	4031.5	6935.2	30	5	2004	2:45	65	8.34	32.54	6.78	32.83	6
59	49	4018.7	6914.6	30	5	2004	4:40	85	10.38	32.65	6.02	32.89	50
60	49	4018.7	6914.5	30	5	2004	4:48	84	9.99	32.70	5.28	32.90	5
61	50	4013.7	6912.6	30	5	2004	5:35	95	10.34	32.56	4.96	33.09	5
62	51	4011.4	6846.9	30	5	2004	7:37	139	11.21	33.20	8.96	34.50	6
63	52	4021.4	6749.0	30	5	2004	12:08	164	13.07	33.74	10.47	35.19	6
64	53	4040.9	6736.7	30	5	2004	14:34	82	8.63	32.89	5.95	33.27	4
65	54	4046.1	6720.7	30	5	2004	16:01	92	8.71	32.86	5.67	33.07	36
66	54	4046.1	6720.5	30	5	2004	16:08	93	8.56	32.87	5.56	33.12	5
67	55	4046.3	6736.5	30	5	2004	17:34	76	9.17	32.83	5.54	33.06	5
68	56	4048.6	6742.5	30	5	2004	18:10	70	8.86	32.84	5.84	32.90	5
69	57	4048.9	6758.5	30	5	2004	19:22	67	8.94	32.87	6.39	32.91	6
70	58	4041.3	6806.8	30	5	2004	20:30	80	9.72	32.76	5.46	32.89	4
71	59	4041.1	6834.5	30	5	2004	22:30	56	8.16	32.89	7.21	32.90	7
72	60	4051.0	6840.4	30	5	2004	23:34	62	8.31	32.82	8.31	32.81	7
73	61	4118.4	6918.6	31	5	2004	3:24	80	10.30	31.85	4.22	32.47	5

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
74	62	4059.0	6918.6	31	5	2004	5:04	46	7.03	32.25	6.89	32.27	22
75	62	4058.8	6918.6	31	5	2004	5:10	48	6.88	32.27	6.88	32.27	5
76	63	4041.3	6920.9	31	5	2004	6:49	42	6.78	32.38	6.80	32.38	5
77	64	4101.7	6931.7	31	5	2004	8:52	32	7.63	32.26	7.62	32.27	4
78	65	4046.3	6956.4	31	5	2004	11:36	30	9.25	32.29	7.95	32.54	7
79	66	4112.9	7006.0	31	5	2004	15:10	16	11.32	31.98	11.10	31.98	6
80	67	4056.3	7046.7	31	5	2004	19:00	51	12.28	32.79	6.02	32.99	10
81	67	4056.3	7046.8	31	5	2004	19:06	51	12.42	32.80	6.01	33.00	6
82	68	4056.3	7110.8	31	5	2004	21:12	52	12.81	32.89	6.11	33.00	7
83	69	4053.9	7132.8	31	5	2004	23:16	56	13.16	32.83	5.43	33.10	4
84	70	4058.5	7130.5	1	6	2004	0:19	51	13.11	32.61	5.78	33.08	5
85	71	4121.3	7106.0	1	6	2004	9:16	24	12.85	32.25	11.86	32.35	7
86	71	4121.3	7106.0	1	6	2004	9:26	26	12.76	32.26	11.63	32.38	4
87	72	4129.0	6852.9	3	6	2004	0:37	137	9.45	31.90	3.87	33.08	5
88	73	4136.1	6848.5	3	6	2004	1:37	150	9.45	31.97	4.22	33.29	5
89	74	4111.0	6804.4	3	6	2004	5:28	48	9.20	32.89	9.21	32.90	3
90	75	4118.7	6738.6	3	6	2004	7:39	38	8.98	32.82	8.99	32.83	4
91	76	4114.1	6726.8	3	6	2004	8:52	44	8.45	32.89	8.45	32.89	29
92	76	4113.0	6727.5	3	6	2004	9:06	44	8.48	32.89	8.46	32.89	3
93	77	4116.8	6656.8	3	6	2004	11:49	68	7.24	32.97	7.22	32.97	5
94	78	4119.1	6635.1	3	6	2004	13:43	86	7.91	32.52	5.79	33.09	5
95	79	4116.3	6629.2	3	6	2004	14:37	92	7.77	32.59	5.96	33.46	5
96	80	4103.9	6624.7	3	6	2004	16:10	430	10.31	33.04	6.74	35.05	4
97	80	4104.5	6624.7	3	6	2004	16:34	541	10.36	33.04	10.57	35.06	341
98	81	4118.7	6612.9	3	6	2004	18:22	142	8.97	32.51	8.68	34.45	7
99	82	4136.0	6626.5	3	6	2004	20:43	84	7.84	32.55	6.23	32.91	6
100	83	4146.0	6620.8	3	6	2004	22:01	80	7.38	32.70	6.08	32.87	5
101	84	4150.7	6601.2	3	6	2004	23:46	100	7.29	31.93	5.12	33.04	5
102	85	4159.0	6631.0	4	6	2004	1:52	87	6.43	32.91	6.44	32.91	5
103	86	4146.3	6654.6	4	6	2004	4:16	64	7.59	32.87	7.59	32.87	43
104	86	4146.4	6654.4	4	6	2004	4:22	63	7.59	32.87	7.58	32.87	3
105	87	4153.7	6702.5	4	6	2004	5:46	58	7.89	32.77	7.81	32.79	4
106	88	4158.6	6704.8	4	6	2004	6:33	63	7.73	32.77	7.74	32.78	4
107	89	4201.1	6712.7	4	6	2004	7:25	51	7.31	32.77	7.36	32.77	5
108	90	4201.3	6734.6	4	6	2004	9:16	42	7.98	32.59	4.29	32.92	3
109	91	4149.0	6800.5	4	6	2004	11:30	53	8.55	32.34	6.57	32.78	4
110	92	4201.3	6757.0	4	6	2004	12:46	190	10.01	32.08	6.08	33.95	8
111	93	4238.6	6818.7	4	6	2004	16:40	187	8.54	31.95	5.00	33.41	79

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
112	93	4238.7	6818.8	4	6	2004	16:49	201	8.94	32.07	6.24	33.89	5
113	94	4243.8	6739.6	4	6	2004	20:00	187	6.83	31.62	6.67	34.04	4
114	95	4216.9	6728.8	4	6	2004	23:07	279	10.62	32.14	7.75	34.48	79
115	95	4217.3	6729.4	4	6	2004	23:30	278	10.53	32.14	8.69	34.96	6
116	96	4221.3	6715.0	5	6	2004	0:46	312	8.42	31.99	8.33	34.66	113
117	96	4222.1	6714.9	5	6	2004	1:07	327	8.41	31.98	8.63	34.98	6
118	97	4225.2	6700.1	5	6	2004	2:30	361	8.81	32.19	8.62	34.94	162
119	97	4225.1	6659.8	5	6	2004	3:09	361	8.75	32.20	8.59	35.01	6
120	98	4208.7	6652.6	5	6	2004	5:19	96	7.31	32.68	6.46	32.83	62
121	98	4208.8	6652.4	5	6	2004	5:25	99	7.47	32.67	6.08	32.89	4
122	99	4213.7	6546.2	5	6	2004	9:26	221	7.53	32.09	7.21	35.03	3
123	100	4236.3	6523.2	5	6	2004	12:25	93	6.81	31.52	2.48	32.36	6
124	101	4243.9	6620.7	5	6	2004	16:08	85	5.63	31.98	4.32	32.47	29
125	101	4244.1	6620.6	5	6	2004	16:13	83	5.53	32.04	4.31	32.50	5
126	102	4306.1	6628.8	5	6	2004	18:22	106	5.44	32.06	4.64	32.55	5
127	103	4256.1	6708.5	5	6	2004	21:22	245	7.71	31.95	8.02	34.57	45
128	103	4255.4	6708.5	5	6	2004	21:43	252	6.80	31.97	8.08	34.60	4
129	104	4324.1	6742.1	6	6	2004	1:21	246	6.28	32.04	6.45	33.86	48
130	104	4324.1	6742.4	6	6	2004	2:09	248	7.13	32.06	6.49	33.87	7
131	105	4326.6	6720.8	6	6	2004	4:16	206	7.84	32.09	4.13	32.71	149
132	105	4326.4	6720.8	6	6	2004	4:22	187	8.00	32.09	6.09	33.74	4
133	106	4336.4	6717.0	6	6	2004	5:34	182	7.75	32.09	6.33	33.80	7
134	107	4346.2	6702.8	6	6	2004	7:18	139	7.57	32.12	5.59	33.46	4
135	108	4356.4	6714.3	6	6	2004	8:51	169	7.80	32.29	6.20	33.74	4
136	109	4411.2	6635.0	6	6	2004	12:10	84	6.04	32.32	5.27	32.71	7
137	110	4428.4	6727.2	6	6	2004	16:02	71	5.87	31.57	4.89	31.79	5
138	110	4428.2	6727.2	6	6	2004	16:15	71	5.47	31.55	4.93	31.69	38
139	111	4345.5	6743.6	6	6	2004	20:17	235	7.77	32.09	7.22	34.07	35
140	111	4345.1	6743.9	6	6	2004	20:34	235	7.77	32.06	7.13	34.07	6
141	112	4339.0	6808.5	6	6	2004	22:23	186	8.86	32.00	5.44	33.45	5
142	113	4348.7	6834.4	7	6	2004	0:19	123	7.41	31.93	3.82	32.41	5
143	114	4329.3	6818.8	7	6	2004	2:49	177	8.55	31.99	5.34	33.54	6
144	115	4316.2	6846.7	7	6	2004	5:31	147	8.60	31.92	3.53	32.40	99
145	115	4316.1	6846.8	7	6	2004	5:37	147	8.61	31.91	4.05	32.93	5
146	116	4258.9	6854.5	7	6	2004	7:37	157	9.08	31.93	4.91	33.39	5
147	117	4304.0	7006.6	7	6	2004	12:41	133	10.90	31.51	3.11	32.75	6
148	118	4311.3	7018.3	7	6	2004	14:01	105	9.96	31.61	3.15	32.30	5
149	119	4216.3	7034.7	7	6	2004	19:13	54	12.34	30.67	4.63	32.16	11

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
150	119	4216.2	7034.8	7	6	2004	19:19	53	12.41	30.68	4.02	32.18	4
151	120	4223.9	7010.8	7	6	2004	21:13	79	10.79	31.59	3.13	32.39	5
152	121	4229.5	6940.5	7	6	2004	23:37	258	11.35	32.25	4.88	33.57	58
153	121	4229.6	6940.5	8	6	2004	0:12	259	11.34	32.25	5.47	33.72	7
154	122	4213.9	6927.0	8	6	2004	2:19	203	10.44	32.24	4.71	33.53	6
155	123	4208.6	6904.8	8	6	2004	4:15	166	10.08	32.24	7.52	32.62	145
156	123	4208.5	6904.9	8	6	2004	4:20	168	10.11	32.24	4.29	33.38	5
157	124	4156.3	6920.6	8	6	2004	6:10	206	10.77	32.35	4.64	33.51	6