Northeast Fisheries Science Center
Woods Hole Laboratory
Woods Hole, Ma 02543

October 7, 2005

MEMORANDUM FOR: David Mountain
Linda Despres
Larry Brady

FROM: Cristina Bascuñán (ext. 2243)

SUBJECT: ALB0506 – Scallop Survey

CTD data from the Scallop survey have been processed and are now available. There were 149 casts done, including 42 for calibrations. Please note there is no data for cast 44.

Hydrographic data for this cruise may be found in the following location:

- whsun2: /ftp/pub/hydro/alb0506.dat (NODC file)
- Oracle

Please call if you have any questions.

Areal average surface and bottom temp / salt and anomalies for the Scallop Survey ALB0506.

		SURFACE					BOTTOM				
CRUISE	CD	#obs	T / S	Anomaly	SDV1	SDV2	#obs	T / S	Anomaly	SDV1	SDV2
Gulf of Maine East											
ALB0506	213	7	15.76	2.05	0.35	10.22*	7	8.09	-4.55	0.34	8.96*
ALB0506	213	6	31.82	-0.7	0.22	1.96*	7	32.31	-0.3	0.2	1.56*
Gulf of Maine West											
ALB0506	215	12	16.7	-0.01	0.33	6.76*	12	6.24	-0.76	0.31	6.01*
ALB0506	215	12	31.24	-0.54	0.2	1.18*	12	32.07	-0.57	0.17	0.99*
Georges Bank											
ALB0506	211	60	15.47	0.64	0.16	2.52	60	8.88	-1.48	0.16	2.15
ALB0506	211	60	32.02	-0.62	0.09	0.43	60	32.43	-0.52	0.1	0.38
Mid Atlantic Bight North											
ALB0506	199	70	23.96	1.06	0.16	1.46*	70	9.49	1.93	0.17	2.19*
ALB0506	199	70	30.99	-1	0.11	0.81*	70	32.94	-0.39	0.1	0.8*
Mid Atlantic Bight South											
ALB0506	218	19	22.19	2.47	0.36	2.81	19	9	0.35	0.36	2.7
ALB0506	218	19	31.5	-0.71	0.23	0.55	19	32.66	-0.44	0.21	0.63

(1) "CRUISE": the code name for a cruise; "CD": the calendar mid-date 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; "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 wa derived.

(*) 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.

ALB0506
Scallop Survey
13 July - 12 August, 2005

Cast #	Station #	Lat	Lon	Day	Month	Year	Hour	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Metres from Btm
1	1	4048.6	7141.0	13	7	2005	1:47	62	18.1	31.01	7.4	32.14	5
2	4	4009.6	7203.9	13	7	2005	7:05	66	17.8	32.43	12.2	34.10	5
3	7	3951.4	7234.5	13	7	2005	11:30	59	19.4	32.59	11.9	33.78	5
4	10	3941.5	7243.9	13	7	2005	14:11	72	18.8	32.88	13.4	34.43	6
5	13	3934.2	7257.6	13	7	2005	17:06	62	20.4	31.42	11.7	33.91	6
6	16	3934.4	7242.2	13	7	2005	19:36	67	19.4	32.90	13.3	34.41	6
7	19	3929.0	7236.7	13	7	2005	21:47	88	20.1	33.00	12.7	34.86	4
8	22	3925.9	7248.1	14	7	2005	0:18	69	19.9	32.35	13.2	34.48	6
9	25	3922.0	7254.6	14	7	2005	2:47	70	20.6	31.91	12.4	34.22	4
10	28	3919.0	7244.0	14	7	2005	5:18	95	20.0	32.35	13.1	34.82	5
11	31	3914.6	7302.5	14	7	2005	8:06	71	21.5	31.02	11.5	33.92	7
12	34	3906.2	7306.1	14	7	2005	10:30	75	20.9	31.29	12.0	34.01	4
13	37	3901.6	7256.0	14	7	2005	12:48	86	21.2	33.55	12.5	34.97	5
14	40	3902.0	7321.8	14	7	2005	16:06	62	21.9	30.92	8.7	32.64	6
15	43	3854.7	7320.0	14	7	2005	18:42	63	22.8	32.05	11.0	33.73	7
16	46	3846.2	7327.8	14	7	2005	21:00	68	22.4	31.95	11.2	33.81	4
17	49	3838.4	7322.1	15	7	2005	0:12	81	23.0	32.09	12.8	34.53	4
18	52	3833.8	7328.1	15	7	2005	2:35	83	22.6	32.10	13.0	34.65	6
19	55	3833.2	7336.8	15	7	2005	4:41	70	22.4	32.11	12.3	34.35	6
20	58	3838.9	7344.0	15	7	2005	7:18	60	23.3	31.17	10.4	33.39	6
21	61	3832.8	7348.8	15	7	2005	10:00	58	22.4	32.14	12.3	34.13	5
22	64	3829.5	7344.3	15	7	2005	13:48	64	22.6	32.39	13.4	34.72	5
23	67	3826.0	7350.7	15	7	2005	16:00	62	22.2	32.63	10.4	33.49	6
24	70	3831.6	7352.1	15	7	2005	20:00	55	23.4	31.55	9.2	32.93	5
25	73	3826.2	7357.6	15	7	2005	22:36	57	24.4	31.32	9.4	33.01	5
26	76	3826.5	7406.9	16	7	2005	0:41	55	24.4	30.54	7.2	32.16	5
27	80	3821.5	7403.3	16	7	2005	3:47	63	24.6	30.91	9.8	33.40	5
28	83	3818.4	7355.6	16	7	2005	6:11	67	23.6	32.84	10.9	33.77	4
29	86	3814.4	7407.0	16	7	2005	8:30	65	24.1	30.90	7.3	32.41	7
30	89	3754.4	7423.0	16	7	2005	11:53	60	24.6	30.33	6.7	32.30	2

Cast #	Station #	Lat	Lon	Day	Month	Year	Hour	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Metres from Btm
31	92	3744.3	7424.6	16	7	2005	16:42	66	25.0	30.44	6.8	32.43	4
32	95	3744.5	7434.1	16	7	2005	19:12	56	25.1	30.39	6.8	32.12	2
33	98	3729.3	7440.8	16	7	2005	22:36	53	25.5	30.40	6.8	32.21	6
34	101	3706.5	7450.7	17	7	2005	1:47	58	25.8	30.37	7.2	32.18	6
35	104	3644.2	7446.8	17	7	2005	4:54	66	26.2	30.03	8.6	32.97	6
36	107	3630.4	7448.4	17	7	2005	7:11	74	26.4	99.99	12.4	34.61	6
37	110	3645.4	7447.0	17	7	2005	10:00	66	25.9	30.26	8.0	32.76	5
38	113	3713.2	7447.1	17	7	2005	13:41	58	25.5	30.49	6.9	32.23	5
39	116	3741.0	7444.9	17	7	2005	17:30	47	26.0	30.28	8.4	31.90	6
40	119	3754.4	7435.6	17	7	2005	19:53	48	25.7	30.24	7.5	32.01	7
41	122	3756.5	7431.8	17	7	2005	22:30	50	25.6	30.29	7.2	32.06	5
42	125	3808.9	7437.2	18	7	2005	1:30	34	24.8	30.19	9.7	31.57	5
43	128	3800.6	7421.3	18	7	2005	4:35	57	25.3	30.24	7.2	32.05	7
45	135	3818.4	7415.9	18	7	2005	10:36	55	24.7	30.59	7.5	31.97	5
46	139	3821.5	7415.7	18	7	2005	14:18	52	24.5	30.39	7.5	31.97	3
47	142	3825.8	7411.4	18	7	2005	17:00	51	25.3	30.36	7.5	31.97	6
48	145	3831.4	7403.6	18	7	2005	19:53	60	25.5	30.37	8.2	32.42	6
49	149	3832.1	7415.3	18	7	2005	23:53	42	25.3	30.29	7.9	31.80	5
50	153	3836.2	7406.2	19	7	2005	2:47	53	25.3	30.38	7.3	32.08	5
51	156	3842.8	7414.9	19	7	2005	5:24	41	24.9	30.34	8.2	31.71	5
52	159	3837.1	7401.3	19	7	2005	8:11	51	24.7	30.22	7.8	32.10	6
53	162	3836.3	7354.0	19	7	2005	10:23	53	24.7	30.16	9.9	33.22	5
54	166	3838.4	7357.7	19	7	2005	13:00	49	24.6	30.20	7.7	32.12	4
55	170	3841.1	7350.4	19	7	2005	15:36	47	24.5	30.27	8.3	32.31	4
56	173	3853.8	7359.0	19	7	2005	19:17	42	25.3	30.08	8.1	31.92	6
57	179	3846.6	7345.7	19	7	2005	23:47	49	25.3	30.41	8.3	32.32	4
58	183	3847.9	7337.4	20	7	2005	3:05	54	25.0	30.53	10.0	33.09	5
59	187	3853.1	7340.1	20	7	2005	5:54	47	25.5	30.23	8.3	32.15	6
60	190	3904.6	7334.8	20	7	2005	10:18	48	25.2	30.44	8.4	32.40	5
61	193	3909.2	7329.2	20	7	2005	12:53	49	24.9	30.53	8.1	32.25	5
62	196	3905.7	7318.8	20	7	2005	15:41	58	24.6	31.22	10.2	33.26	6
63	199	3917.2	7321.4	20	7	2005	18:30	51	23.3	31.07	8.1	32.10	5
64	203	3926.5	7312.9	20	7	2005	21:17	51	25.9	30.64	8.7	32.18	6
65	207	3920.4	7301.0	21	7	2005	0:48	70	23.8	32.11	11.3	33.74	4
66	210	3925.8	7301.8	21	7	2005	3:30	64	25.2	30.76	12.5	34.12	5

Cast #	Station #	Lat	Lon	Day	Month	Year	Hour	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Metres from Btm
67	213	3940.7	7304.4	21	7	2005	6:11	49	24.7	30.41	8.2	32.33	7
68	216	3948.3	7316.0	21	7	2005	8:48	42	24.8	30.50	8.1	32.06	7
69	220	4005.7	7347.1	21	7	2005	13:30	30	24.5	29.65	11.9	30.97	5
70	223	4003.3	7327.8	21	7	2005	17:06	79	24.9	30.45	7.9	32.31	6
71	227	4126.7	6933.6	26	7	2005	1:30	30	15.3	30.96	7.8	31.60	6
72	230	4114.7	6918.9	26	7	2005	4:30	60	16.3	31.16	5.6	31.99	8
73	233	4104.0	6914.4	26	7	2005	7:18	54	10.8	31.38	10.4	31.65	5
74	236	4049.1	6909.0	26	7	2005	11:36	69	11.3	31.81	10.0	32.24	5
75	239	4044.2	6918.7	26	7	2005	14:36	42	11.0	31.74	10.9	31.73	4
76	242	4045.4	6908.5	26	7	2005	17:06	69	12.9	32.21	9.4	32.28	3
77	245	4039.7	6908.4	26	7	2005	20:12	71	17.2	32.16	8.0	32.52	5
78	248	4051.9	6850.3	26	7	2005	23:30	68	14.7	32.02	9.8	32.26	1
79	251	4038.9	6854.5	27	7	2005	1:47	65	17.5	32.16	8.8	32.31	5
80	254	4031.5	6851.7	27	7	2005	5:54	71	18.0	32.26	7.6	32.57	6
81	257	4043.1	6847.5	27	7	2005	8:18	65	16.4	32.18	8.8	32.31	5
82	262	4038.5	6831.4	27	7	2005	12:30	63	14.7	32.17	8.2	32.35	4
83	265	4038.5	6817.5	27	7	2005	15:30	79	16.8	32.20	7.9	32.39	4
84	268	4041.8	6747.1	27	7	2005	18:53	76	18.1	32.02	7.5	32.64	4
85	271	4040.9	6715.9	27	7	2005	22:53	96	18.5	31.86	11.2	34.60	5
86	274	4059.2	6742.0	28	7	2005	4:11	62	11.7	31.95	8.7	32.18	8
87	277	4058.7	6725.9	28	7	2005	7:41	72	17.6	31.95	8.2	32.21	5
88	280	4059.3	6706.5	28	7	2005	12:00	75	17.0	31.96	8.1	32.23	4
89	283	4051.1	6651.0	28	7	2005	15:00	97	17.7	31.91	9.0	33.68	1
90	286	4101.2	6654.7	28	7	2005	17:30	73	16.9	31.88	8.1	32.18	4
91	289	4104.3	6653.9	28	7	2005	20:00	72	16.8	32.15	8.0	32.19	3
92	292	4101.3	6643.7	28	7	2005	22:47	77	15.6	31.96	6.8	32.69	5
93	295	4108.0	6632.9	29	7	2005	1:53	90	22.6	34.03	10.1	34.05	1
94	298	4117.8	6626.7	29	7	2005	4:35	95	15.1	31.87	8.0	33.36	4
95	301	4105.8	6638.3	29	7	2005	7:41	84	22.9	34.12	8.3	33.37	3
96	304	4106.9	6649.0	29	7	2005	10:18	72	16.4	31.88	6.8	32.56	5
97	307	4110.6	6702.6	29	7	2005	13:18	66	13.2	31.89	8.4	32.11	4
98	310	4108.5	6710.8	29	7	2005	15:23	62	12.5	31.89	9.5	32.01	3
99	313	4118.6	6703.2	29	7	2005	18:42	63	11.9	31.91	9.3	32.02	6
100	316	4118.5	6653.5	29	7	2005	21:12	71	15.7	31.81	7.1	32.29	4
101	319	4116.7	6643.3	29	7	2005	23:12	75	15.9	31.89	6.9	32.39	4

Cast #	Station #	Lat	Lon	Day	Month	Year	Hour	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Metres from Btm
102	322	4121.0	6640.3	30	7	2005	1:12	81	13.0	31.91	7.7	32.17	5
103	325	4126.2	6654.8	30	7	2005	4:11	67	12.5	31.89	8.1	32.14	4
104	328	4141.7	6645.0	30	7	2005	7:48	63	11.5	31.89	11.0	31.91	5
105	331	4128.9	6639.7	30	7	2005	11:11	78	13.3	31.90	7.4	32.34	3
106	334	4129.1	6623.1	30	7	2005	13:36	93	13.8	31.90	7.2	32.65	5
107	337	4135.8	6622.4	30	7	2005	16:47	86	14.0	31.98	7.8	32.27	5
108	340	4141.6	6607.7	30	7	2005	20:12	94	15.2	31.89	7.8	32.43	7
109	343	4150.9	6606.0	30	7	2005	23:42	91	15.7	31.83	7.7	32.55	3
110	346	4203.9	6612.1	31	7	2005	3:00	91	14.9	31.96	6.4	32.56	3
111	349	4206.0	6623.1	31	7	2005	7:35	86	15.6	32.03	6.8	33.46	6
112	353	4203.8	6643.1	31	7	2005	11:41	71	16.7	31.63	7.4	32.15	5
113	356	4206.4	6652.3	31	7	2005	15:06	64	16.5	99.99	7.8	32.07	4
114	359	4205.7	6659.5	31	7	2005	17:53	60	17.7	31.51	6.6	32.16	4
115	362	4208.5	6709.9	31	7	2005	21:06	84	17.8	31.55	5.6	32.33	5
116	365	4204.5	6707.8	31	7	2005	23:53	56	13.9	31.75	9.0	32.04	3
117	368	4155.5	6718.3	1	8	2005	2:35	50	13.4	31.82	12.8	31.84	4
118	372	4200.2	6714.3	1	8	2005	6:00	46	13.9	31.78	11.3	31.94	6
119	375	4204.3	6724.0	1	8	2005	8:41	52	14.5	31.62	7.7	32.07	4
120	378	4201.6	6742.1	1	8	2005	11:41	94	15.0	31.71	6.0	32.21	4
121	381	4158.8	6744.1	1	8	2005	14:06	57	15.0	31.84	10.8	32.00	4
122	385	4153.4	6751.8	1	8	2005	17:12	48	15.8	31.79	9.5	32.04	2
123	389	4148.4	6759.8	1	8	2005	20:47	48	14.7	31.99	10.1	32.06	3
124	392	4148.8	6812.9	2	8	2005	1:17	103	14.5	32.00	5.5	32.43	5
125	395	4144.1	6815.3	2	8	2005	3:17	56	14.5	31.94	8.5	32.19	5
126	398	4131.9	6832.3	2	8	2005	6:30	99	17.3	31.23	5.1	32.38	7
127	401	4121.0	6839.7	2	8	2005	8:53	86	11.7	31.51	5.4	32.26	5
128	404	4126.2	6825.6	2	8	2005	11:11	71	13.9	32.04	11.0	32.11	1
129	407	4122.0	6822.6	2	8	2005	13:41	61	14.2	31.97	12.6	32.05	3
130	410	4119.3	6829.3	2	8	2005	15:48	65	14.0	32.03	11.2	32.13	5
131	413	4119.0	6842.9	2	8	2005	18:23	87	13.7	31.92	5.7	32.24	4
132	417	4114.1	6832.6	2	8	2005	21:17	63	13.6	32.08	12.6	32.08	3
133	421	4109.7	6839.4	3	8	2005	0:12	52	13.3	32.05	13.1	32.06	1
134	424	4058.8	6840.9	3	8	2005	2:47	67	12.9	32.02	12.8	32.03	5
135	427	4110.4	6846.6	3	8	2005	5:48	79	13.8	31.78	9.2	32.15	3
136	430	4109.1	6853.3	3	8	2005	8:36	94	14.8	31.42	5.9	32.21	5

Cast #	Station #	Lat	Lon	Day	Month	Year	Hour	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Metres from Btm
137	433	4055.8	6856.9	3	8	2005	11:30	73	12.3	32.09	11.0	32.20	3
138	436	4103.2	6910.8	3	8	2005	14:30	59	11.9	31.86	9.0	32.06	3
139	439	4106.8	6912.3	3	8	2005	17:23	60	11.7	31.86	7.8	32.06	3
140	442	4111.1	6923.0	3	8	2005	20:47	45	18.4	30.44	6.9	99.99	6
141	445	4118.7	6917.7	3	8	2005	23:47	88	19.7	30.97	5.2	32.19	2
142	448	4125.7	6921.3	4	8	2005	1:53	65	19.0	30.90	5.5	31.93	3
143	451	4133.3	6928.1	4	8	2005	4:24	62	19.3	30.76	5.4	31.94	4
144	454	4140.5	6942.5	4	8	2005	7:18	68	20.3	30.54	5.3	31.96	4
145	457	4158.1	6952.3	4	8	2005	10:11	64	18.9	30.42	5.7	31.74	5
146	460	4154.3	6951.3	4	8	2005	12:36	61	19.4	30.44	5.8	31.71	5
147	463	4144.1	6949.2	4	8	2005	14:41	51	19.9	30.66	5.9	31.70	4
148	466	4133.1	6939.3	4	8	2005	17:17	35	20.6	30.55	7.2	31.54	3
149	469	4131.3	6932.9	4	8	2005	19:42	42	18.5	30.75	6.2	31.66	5
150	474	4050.7	7146.4	9	8	2005	1:42	51	23.5	30.86	7.4	31.83	6
151	477	4046.8	7216.9	9	8	2005	5:11	36	21.8	29.88	8.2	31.66	5
152	480	4041.1	7203.5	9	8	2005	7:48	49	24.3	30.88	7.6	31.74	5
153	483	4036.7	7204.7	9	8	2005	11:11	52	24.6	31.52	7.4	31.88	6
154	486	4036.6	7218.1	9	8	2005	13:41	51	24.6	30.55	7.7	31.95	5
155	489	4031.8	7244.4	9	8	2005	18:12	41	24.1	30.42	7.8	31.99	5
156	492	3958.9	7311.7	9	8	2005	22:53	59	25.0	30.25	8.6	32.52	6
157	495	3954.5	7309.1	10	8	2005	1:47	72	25.0	30.63	9.2	32.86	5
158	499	3943.8	7259.6	10	8	2005	5:11	55	25.3	30.38	8.1	32.27	5
159	502	3951.1	7253.5	10	8	2005	7:35	54	24.9	30.79	7.9	32.18	4
160	505	4006.0	7245.4	10	8	2005	11:06	52	25.0	30.61	8.4	32.45	5
161	508	4006.2	7219.9	10	8	2005	13:53	69	24.6	31.75	10.5	33.44	6
162	511	4013.2	7239.6	10	8	2005	16:30	58	24.7	30.41	8.3	32.43	5
163	514	4024.2	7217.7	10	8	2005	19:53	57	25.4	30.78	8.0	32.28	5
164	517	4018.6	7201.4	10	8	2005	22:47	62	24.6	31.52	8.4	32.44	5
165	520	4028.1	7128.5	11	8	2005	2:35	72	24.3	31.55	9.4	33.30	5
166	523	4031.9	6945.2	11	8	2005	13:11	66	22.5	32.51	8.5	32.62	6
167	526	4028.2	6923.4	11	8	2005	16:36	65	20.4	32.24	8.8	32.91	4
168	529	4037.1	6925.7	11	8	2005	19:30	50	18.3	31.89	10.8	32.03	3
169	532	4038.5	6934.7	11	8	2005	21:53	51	19.8	32.14	9.8	32.28	6
170	535	4034.2	6941.9	12	8	2005	0:12	64	23.2	32.50	8.6	32.54	5
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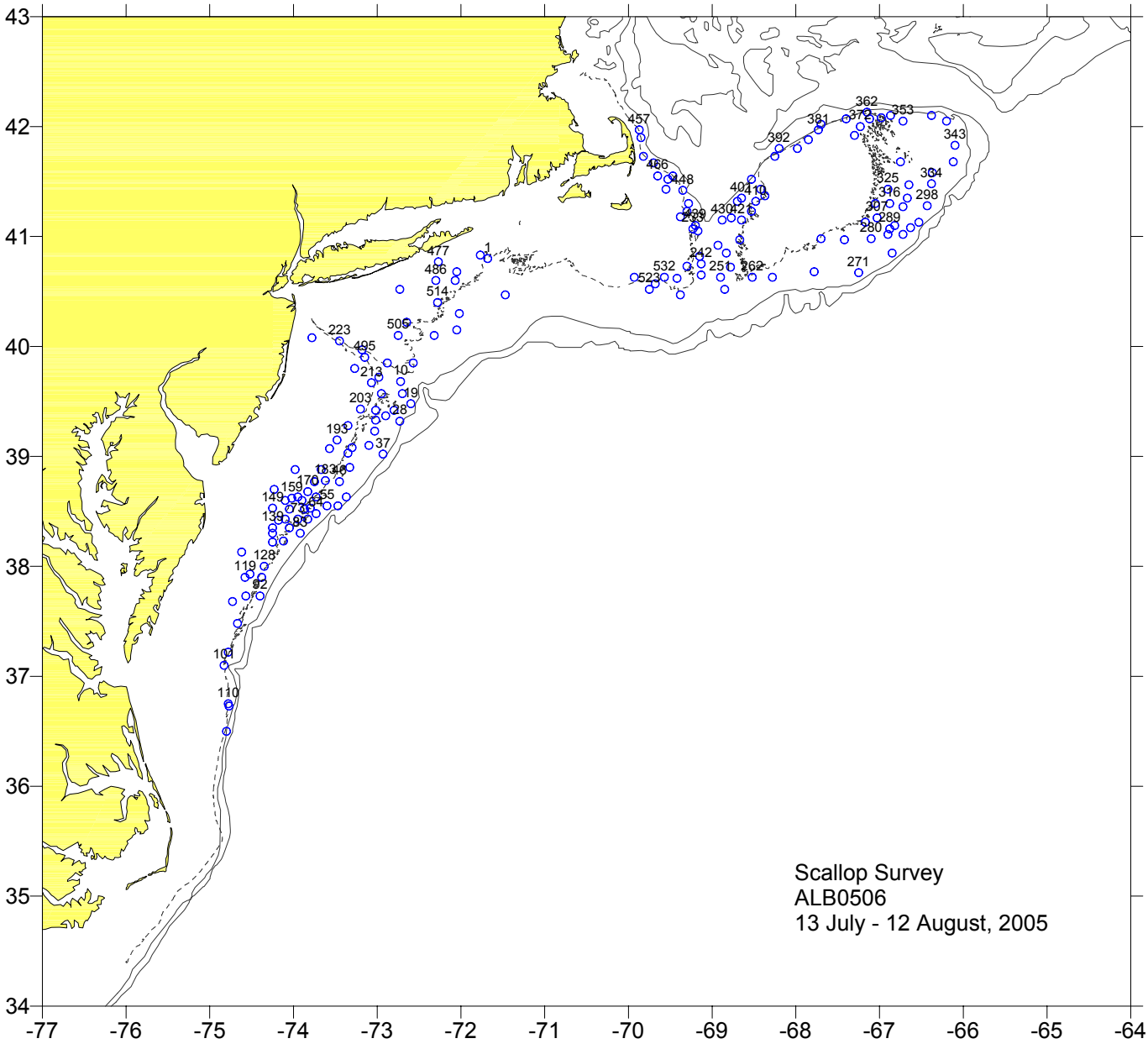
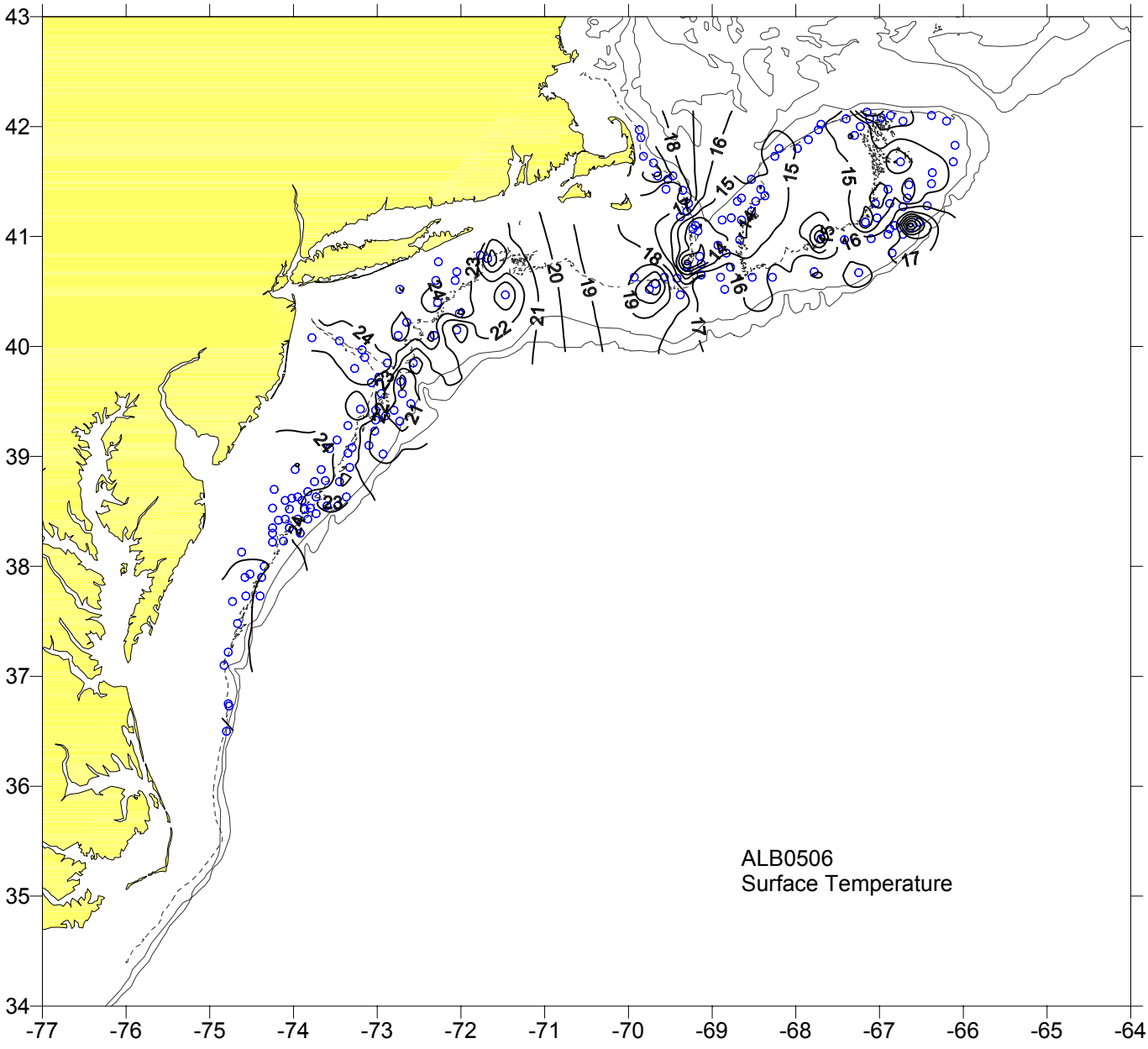

Scallop Survey
ALB0506
13 July - 12 August, 2005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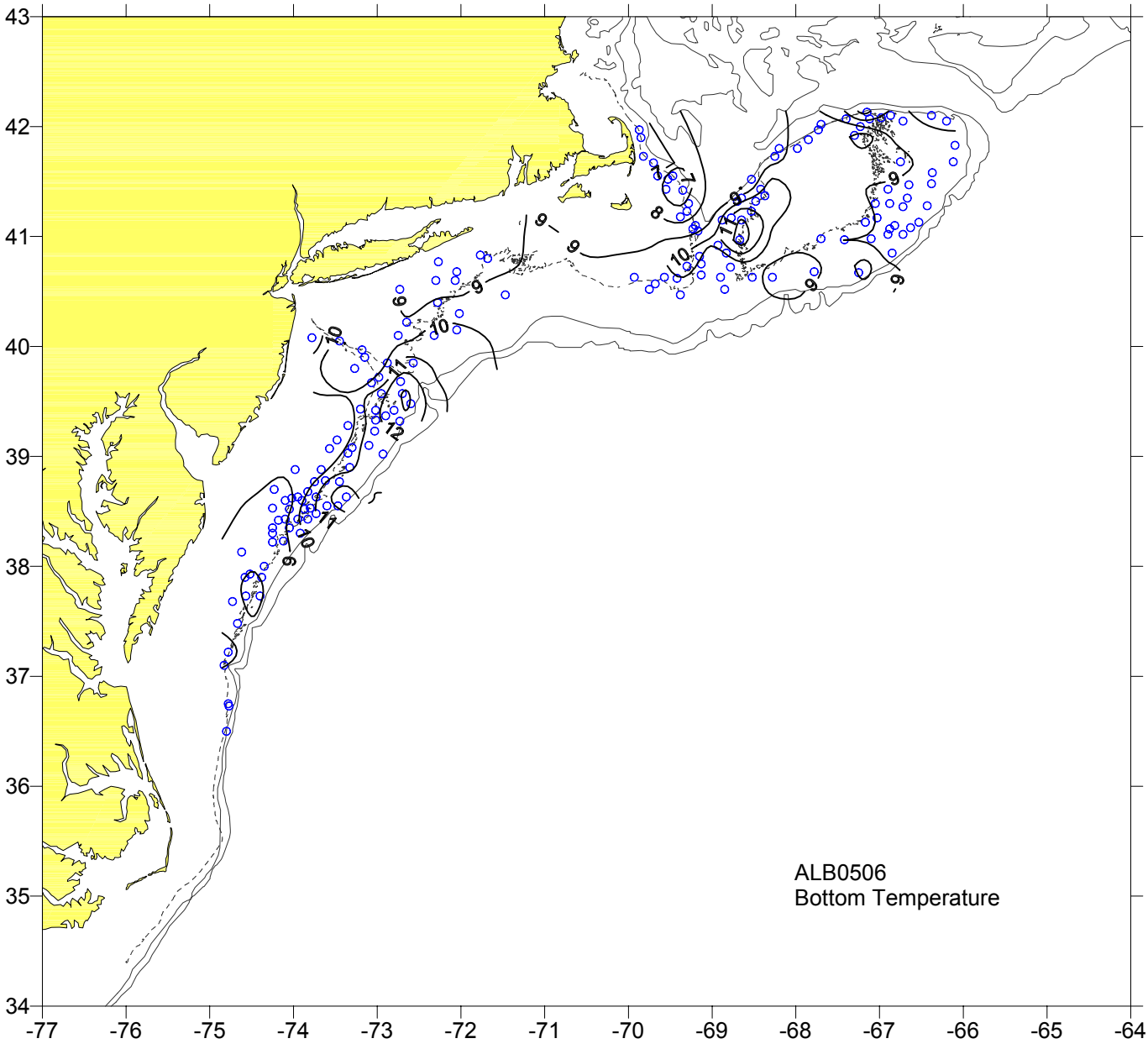
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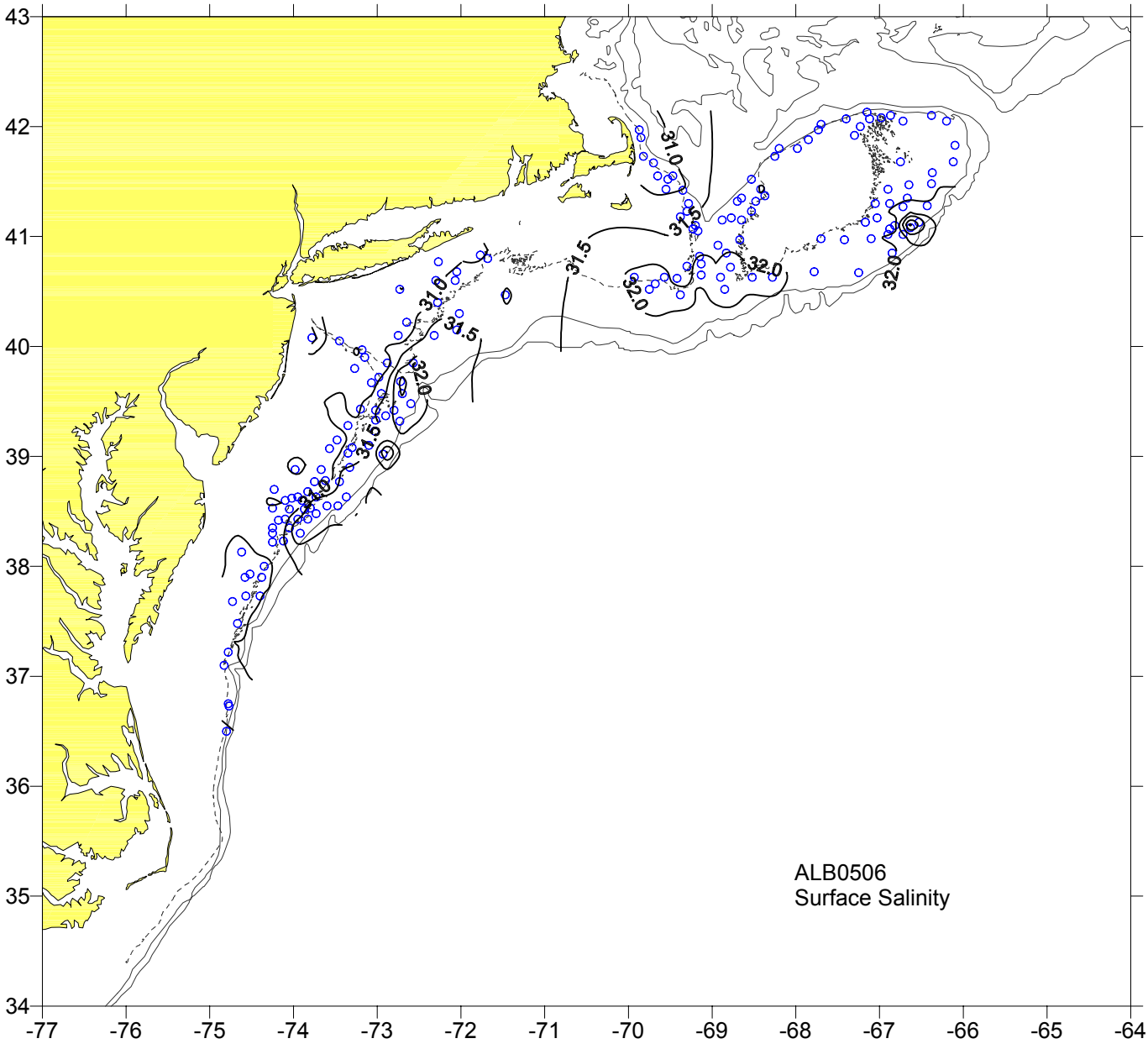
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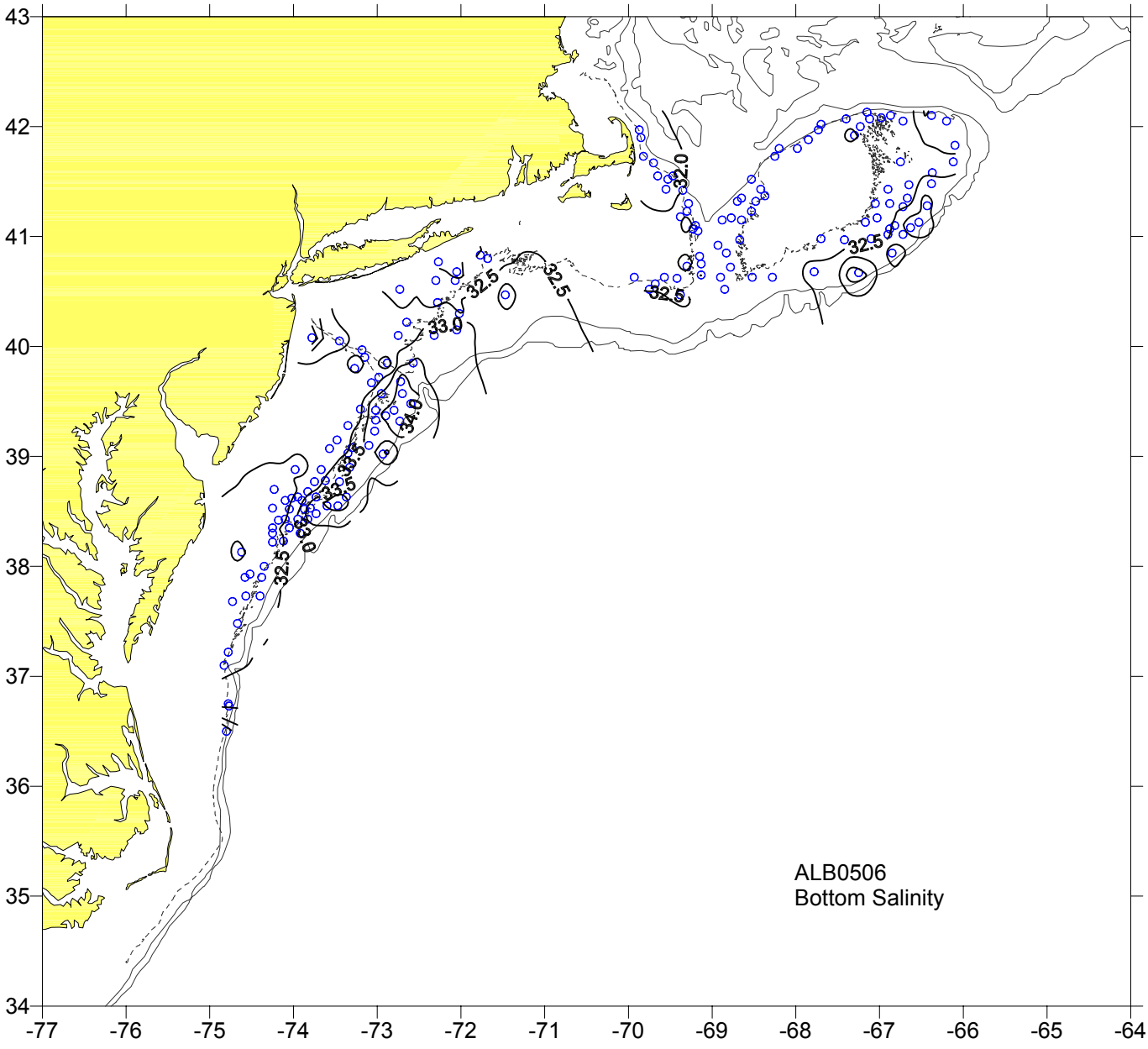
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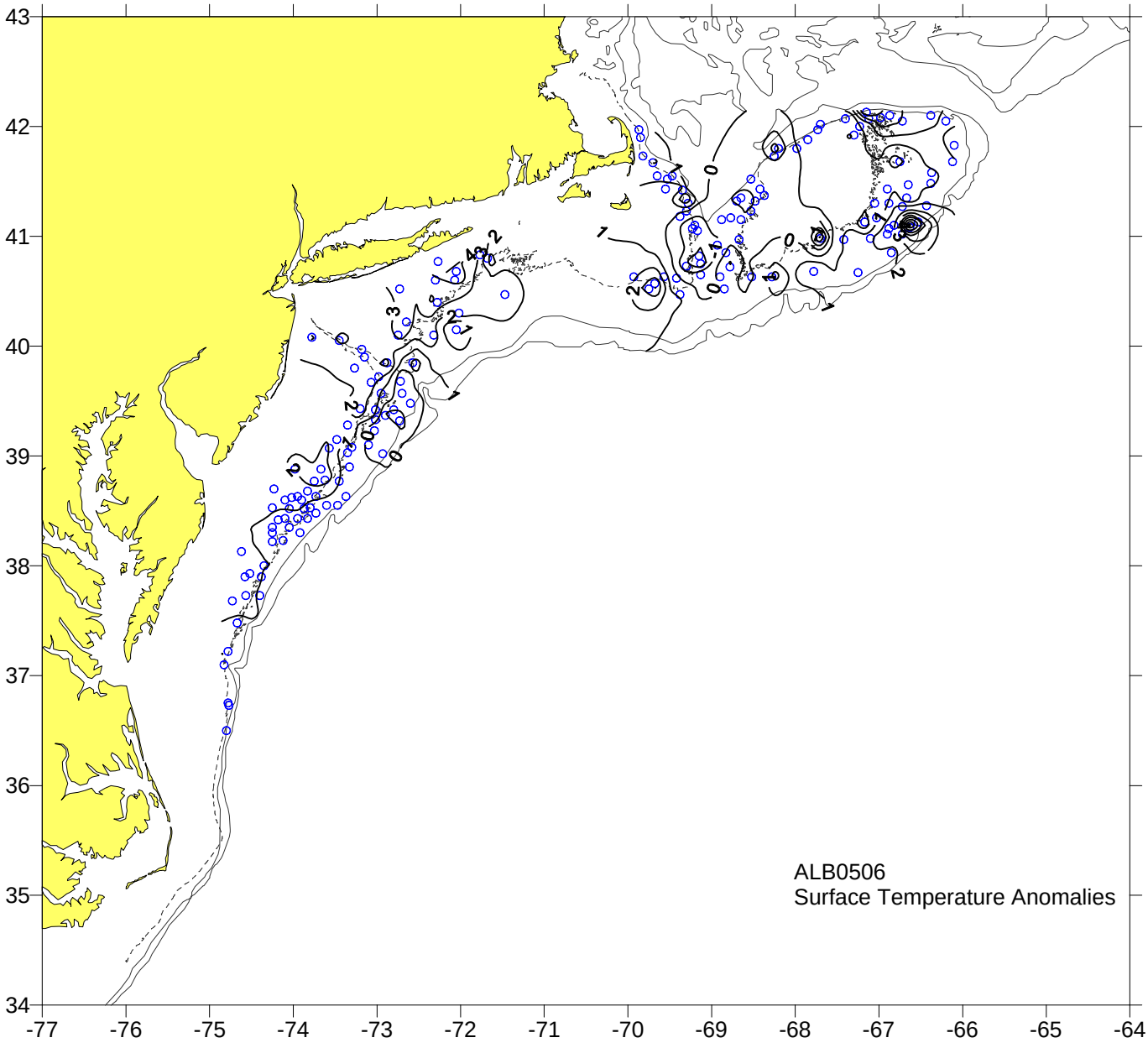
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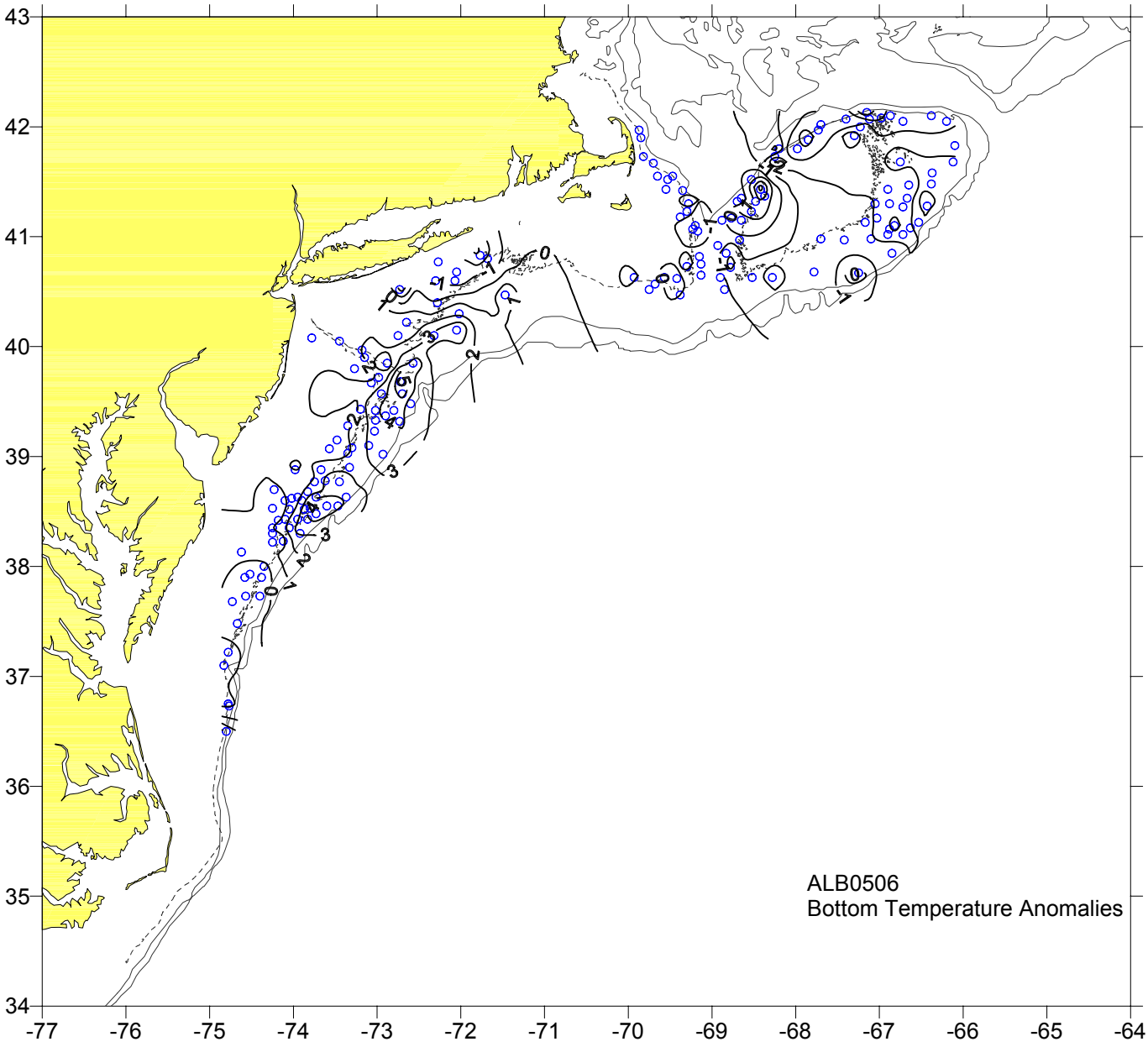
ALB0506
Surface Temperature Anomalies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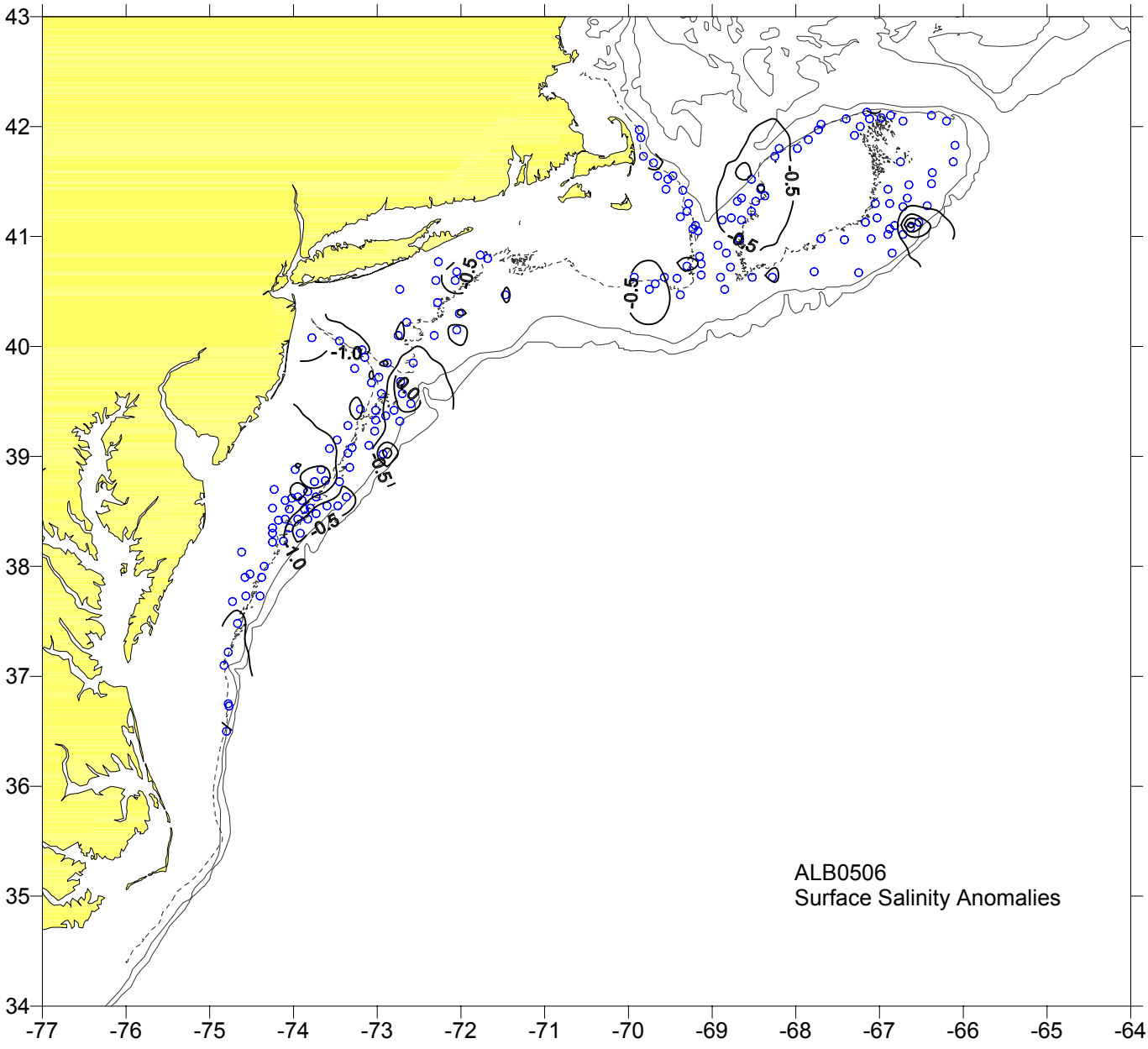
Bottom Temperature Anomalies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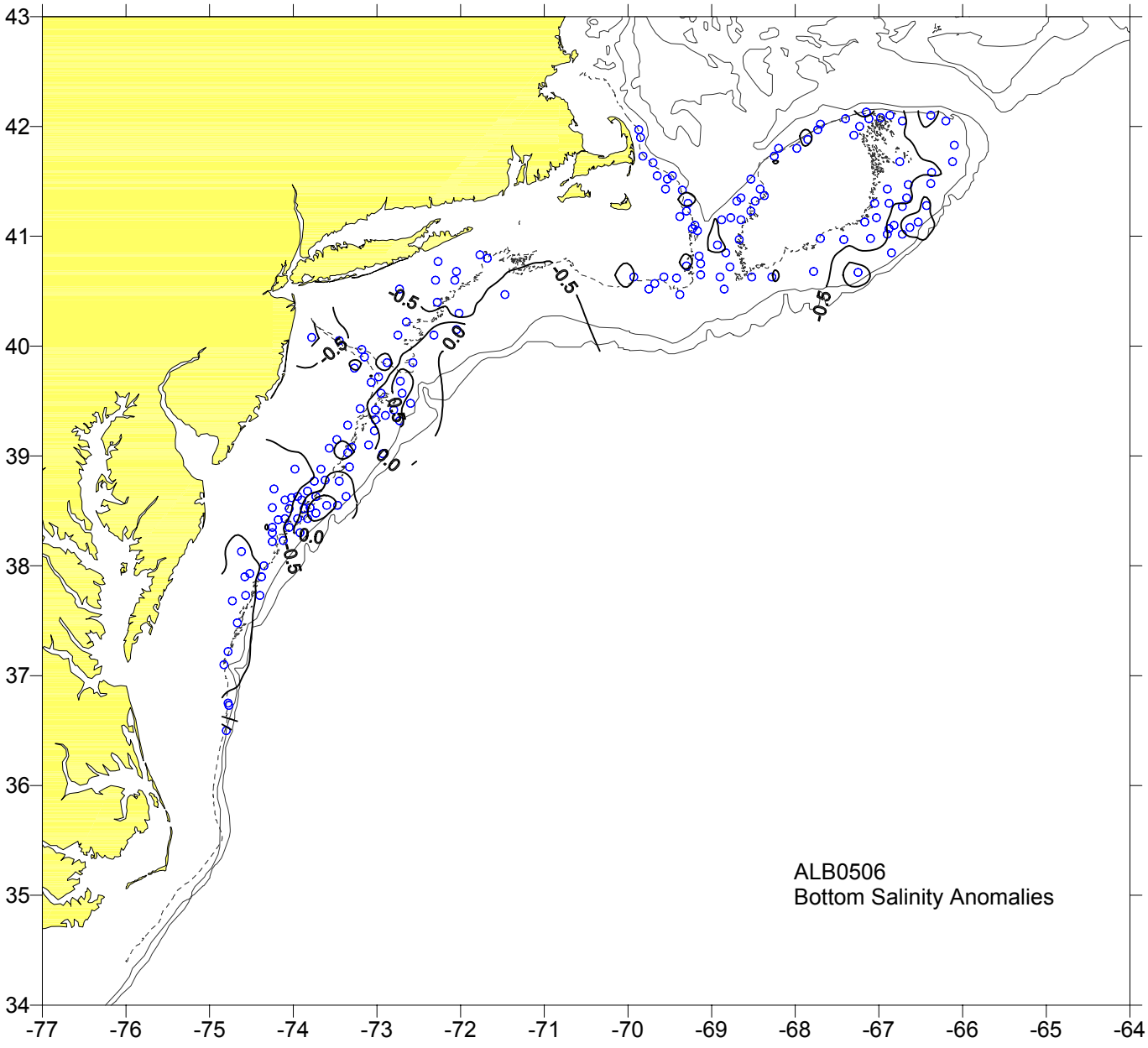
Surface Salinity Anomalies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ALB0506
Bottom Salinity Anomalies