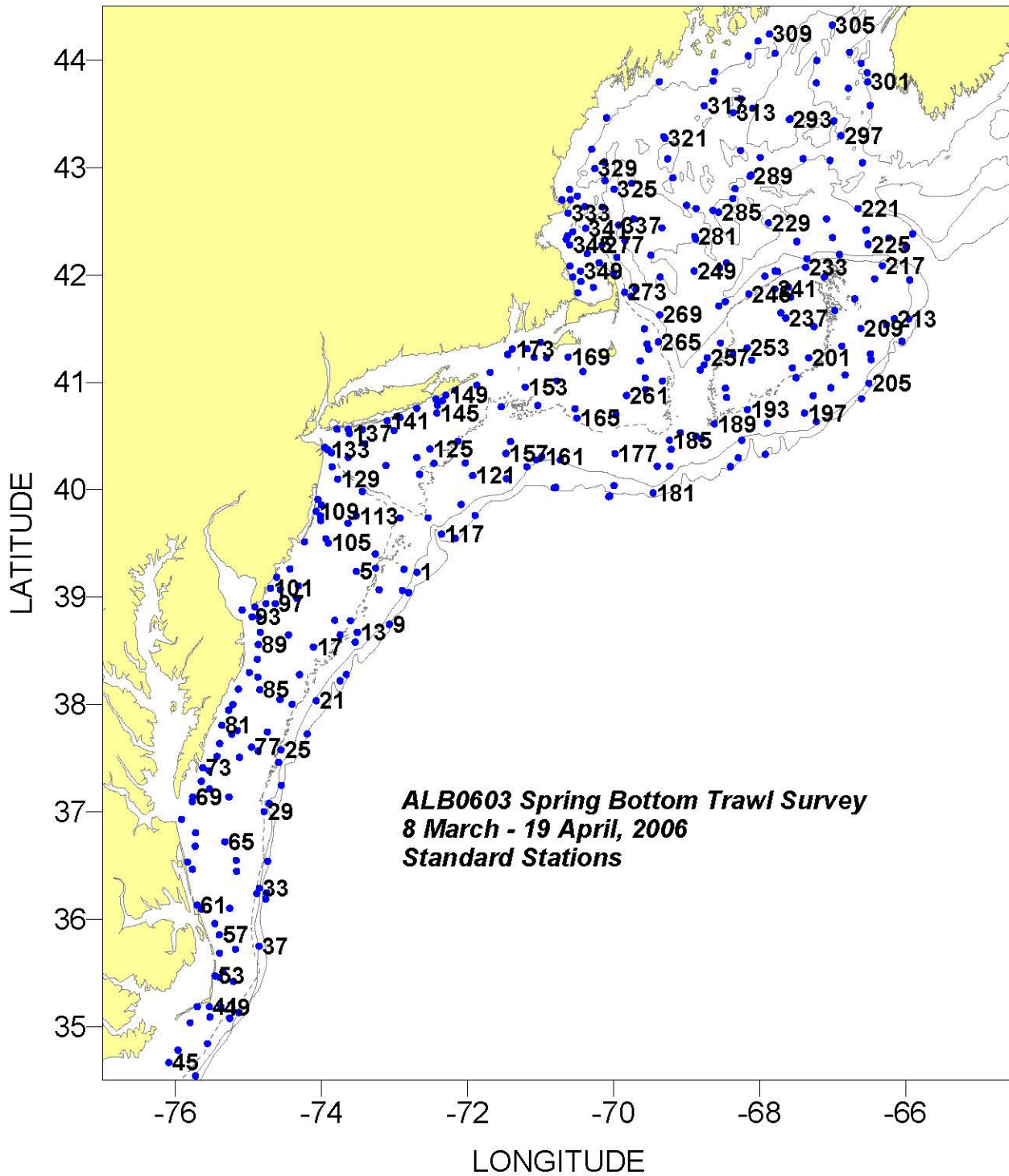


*Oceanography Branch CTD Data Report
Spring Bottom Trawl Survey - ALB0603*

**For further information, contact Cristina Bascuñán
National Marine Fisheries Service, Northeast Fisheries Science
Center, Woods Hole, Massachusetts 02543-1097.**

DATE: 8 March - 19 April, 2006



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the 2006 Spring Bottom Trawl Survey ALB0603

CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
Gulf of Maine East														
ALB0603	99	30	4.76	0.35	0.17	0.59	0	26	7.59	0.92	0.19	0.73	0	10
ALB0603	99	30	32.03	-0.43	0.13	0.26	0	26	34.18	0.30	0.10	0.48	0	10
Gulf of Maine West														
ALB0603	102	54	5.68	0.84	0.15	0.69	0	52	6.35	1.27	0.13	0.56	0	10
ALB0603	102	54	32.43	-0.19	0.10	0.36	0	52	33.49	0.11	0.08	0.25	0	10
Georges Bank														
ALB0603	91	50	4.96	0.23	0.15	1.49	0	45	5.19	0.01	0.18	1.13	0	10
ALB0603	91	49	32.53	-0.43	0.09	0.54	0	44	32.88	-0.33	0.10	0.43	0	10
MAB North														
ALB0603	81	51	5.57	1.08	0.19	1.43	0	44	6.9	2.32	0.24	1.64	0	10
ALB0603	81	51	32.51	-0.40	0.12	0.69	0	44	33.12	-0.12	0.15	0.6	0	10
MAB South														
ALB0603	72	86	7.65	1.77	0.15	1.29	0	75	8.17	2.58	0.17	1.42	0	10
ALB0603	72	86	32.62	-0.45	0.11	1.14	0	75	33.39	0	0.11	0.67	0	10

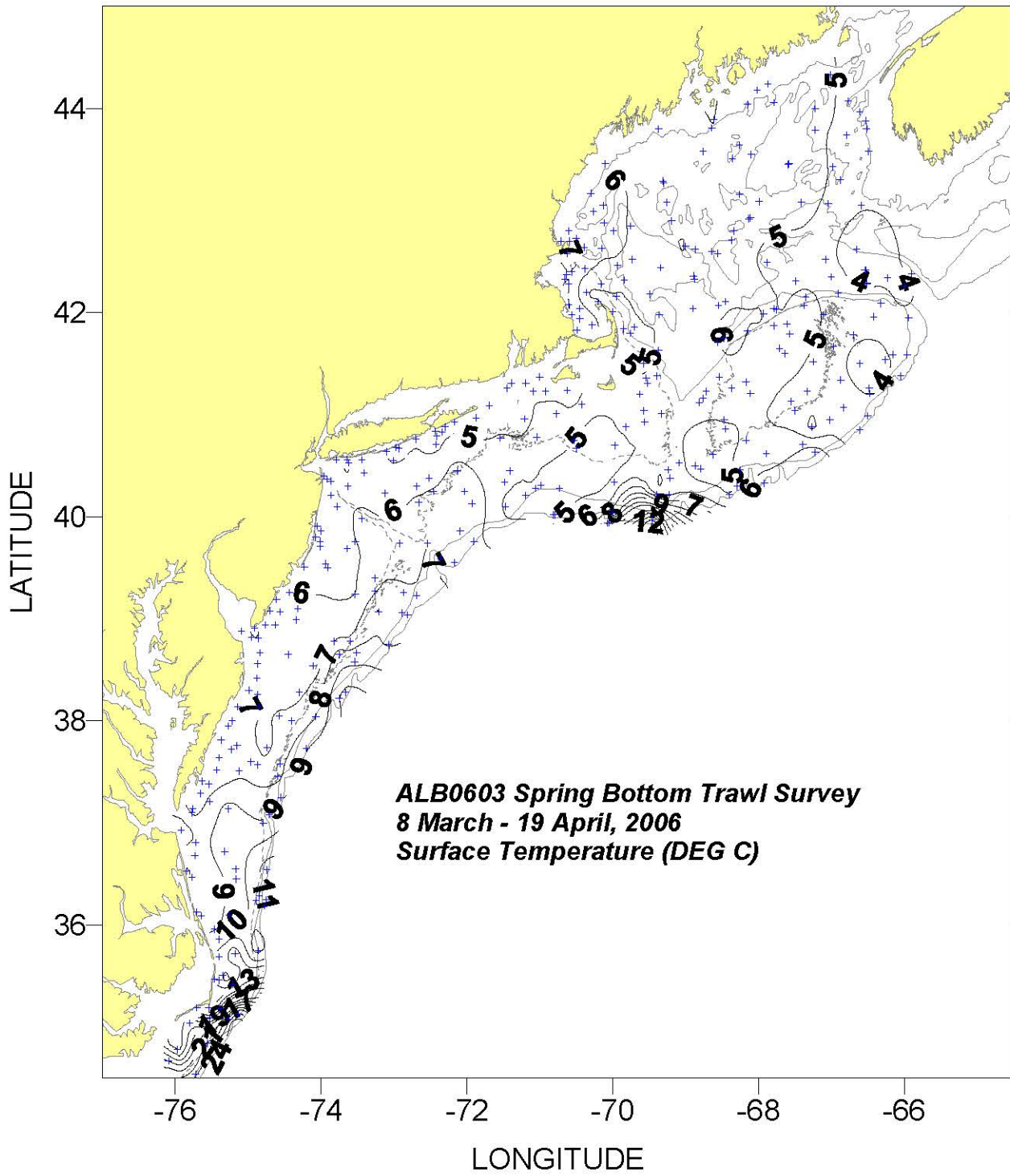
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

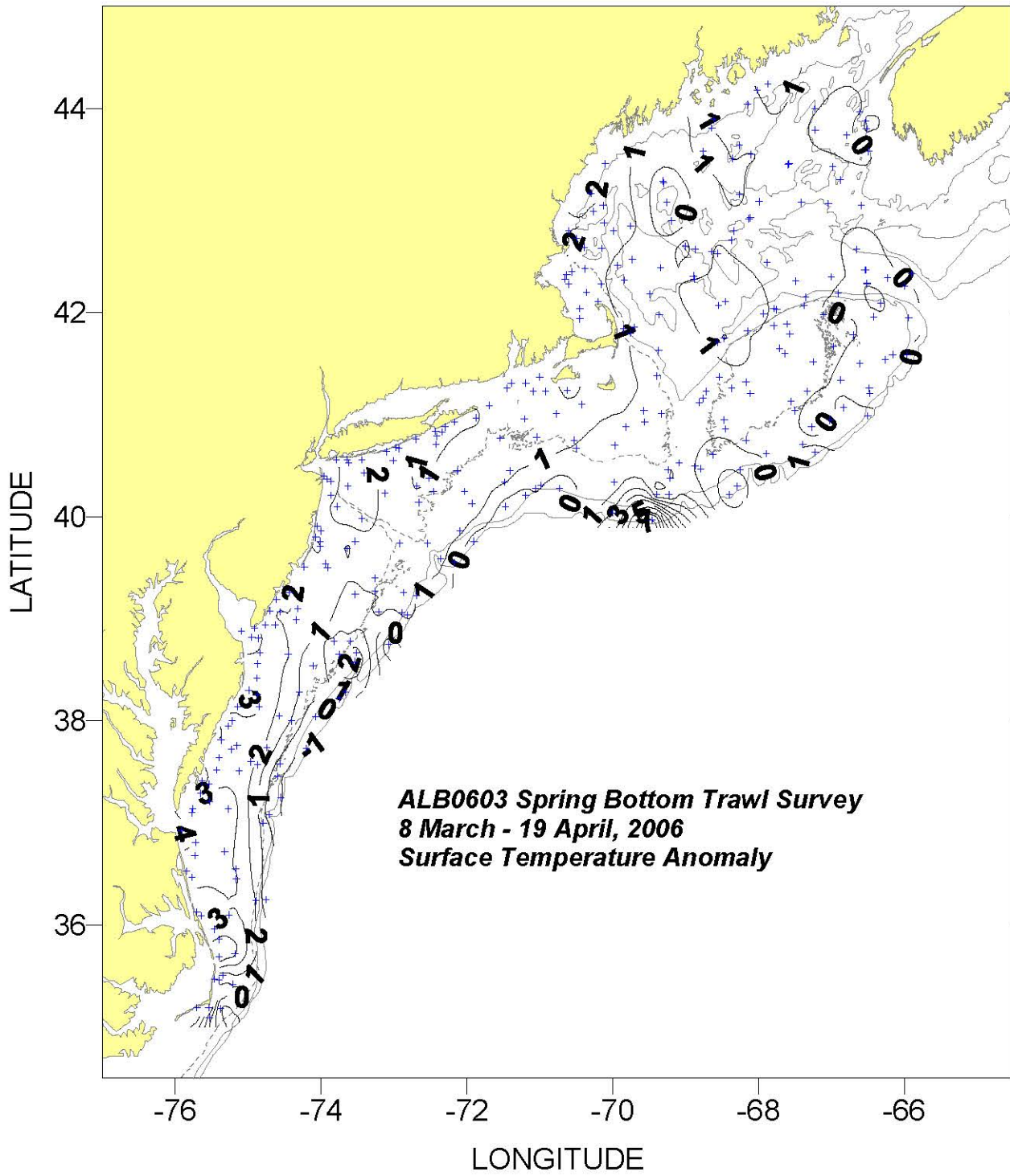
"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

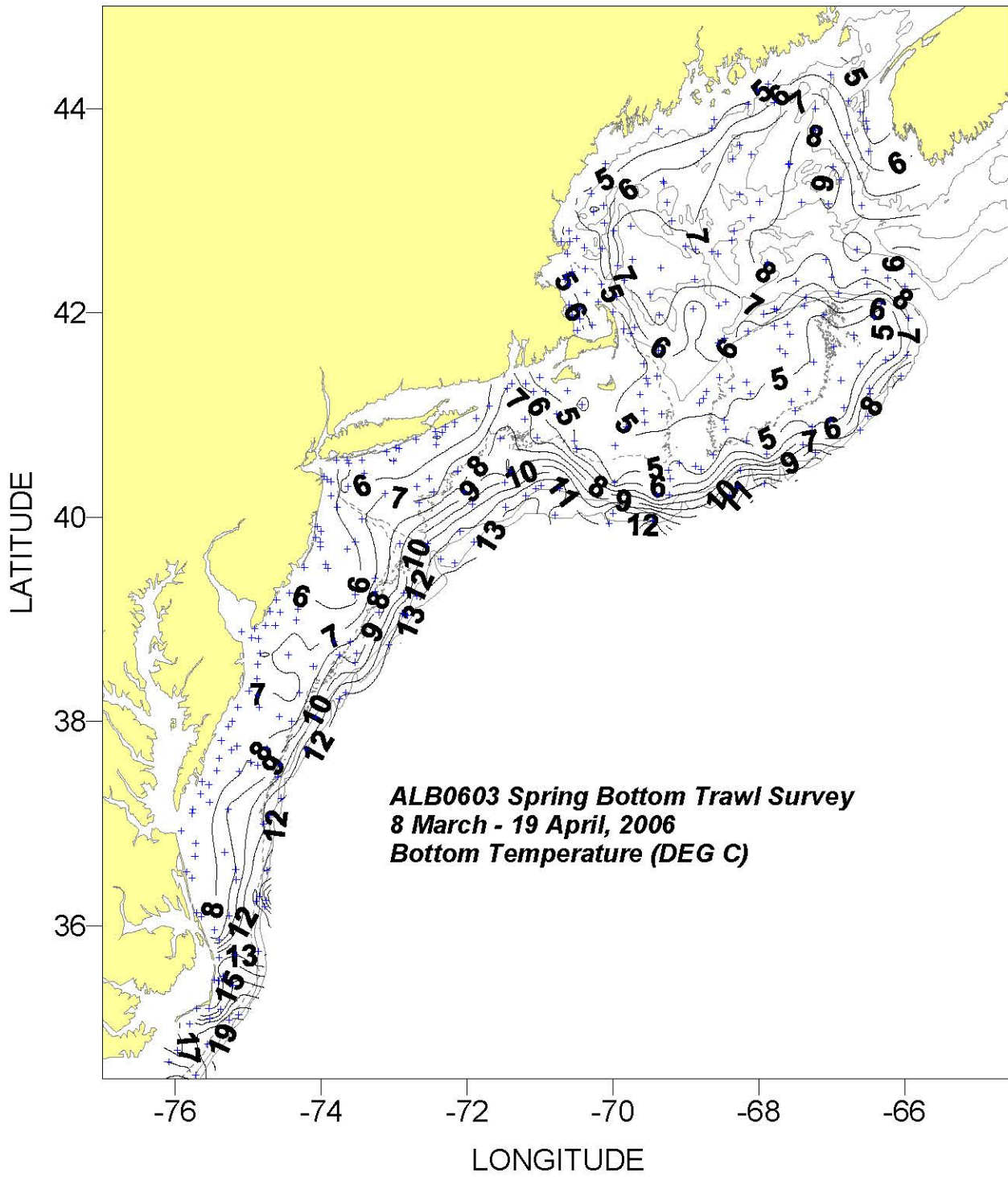
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

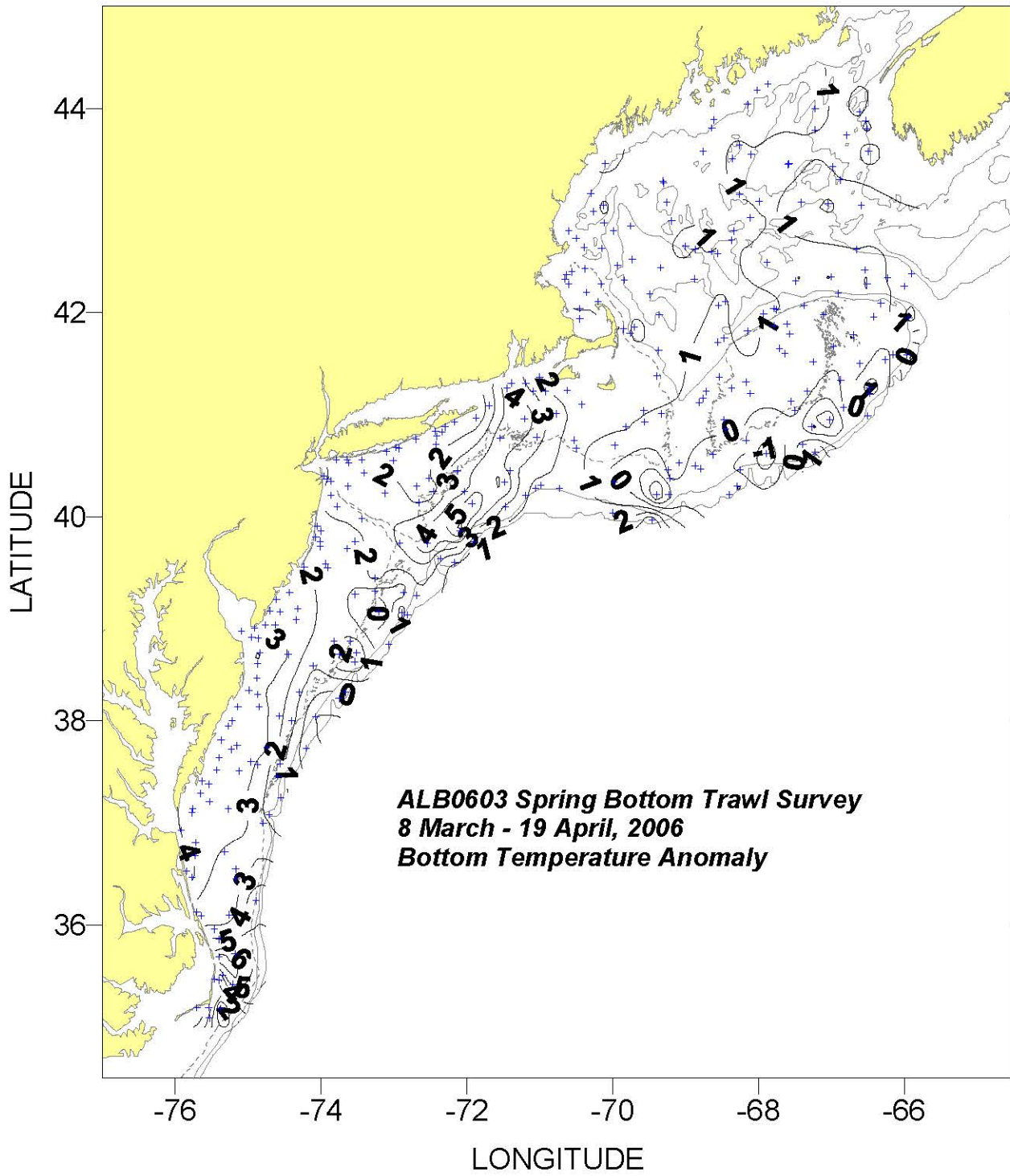
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

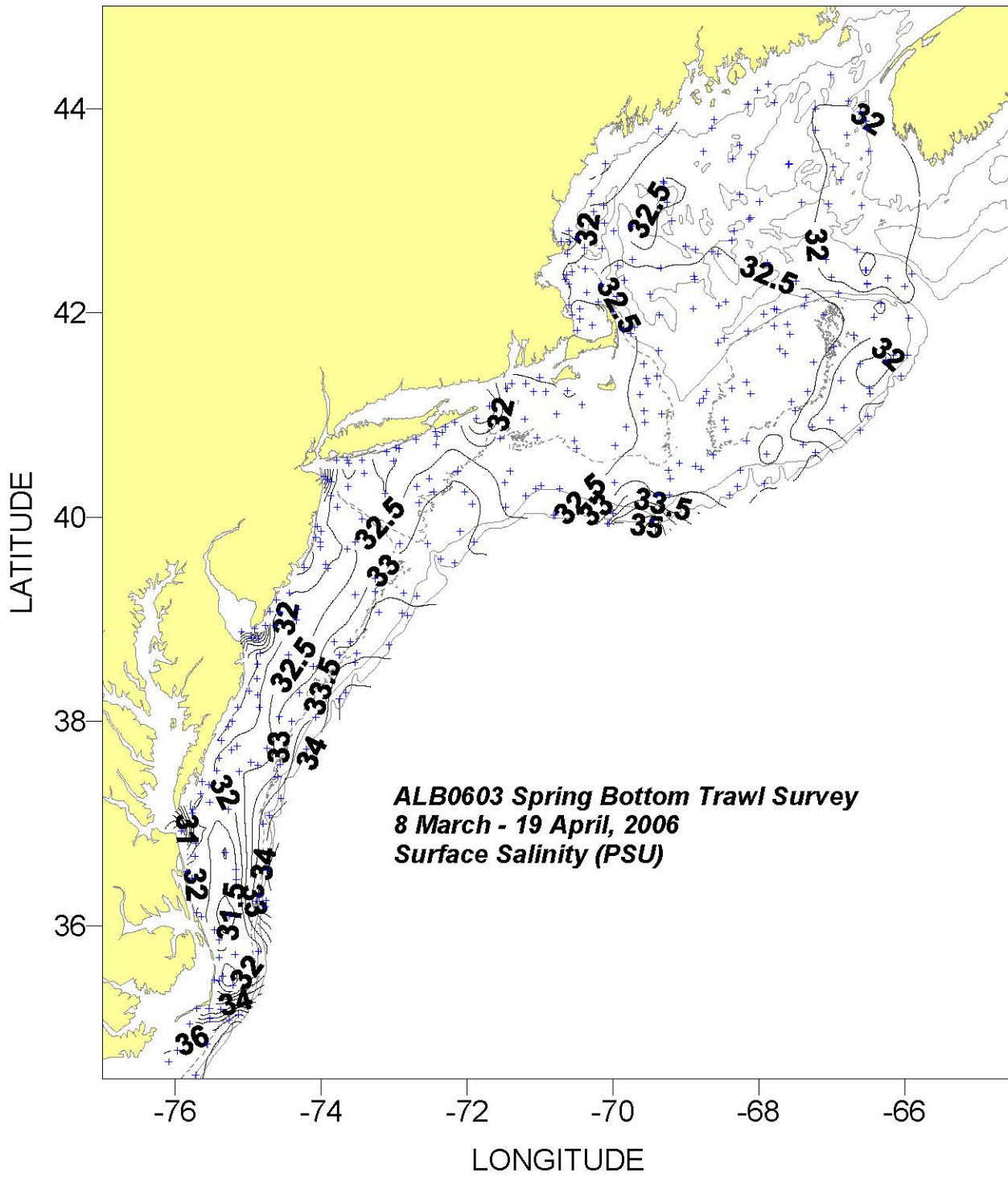
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

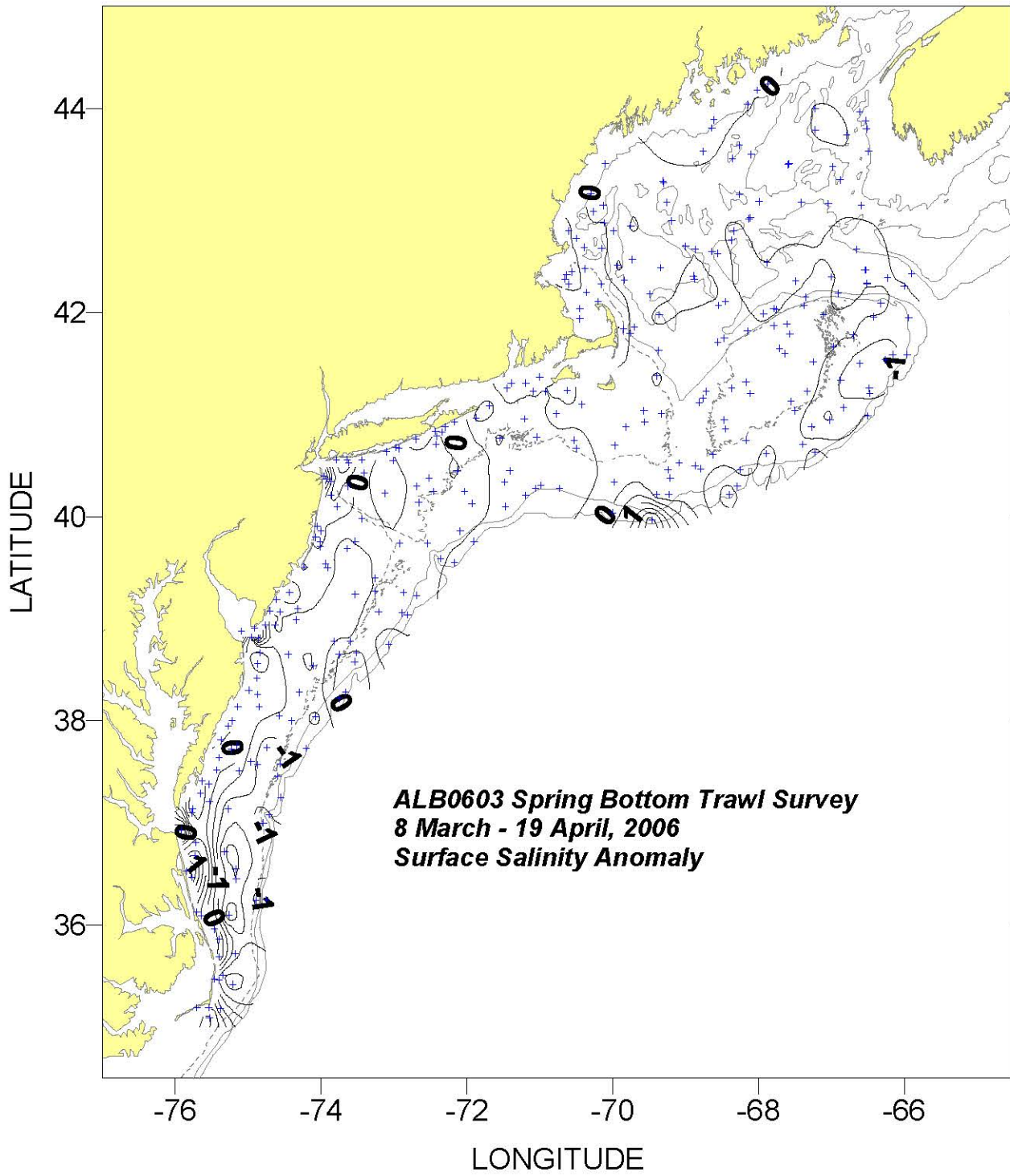


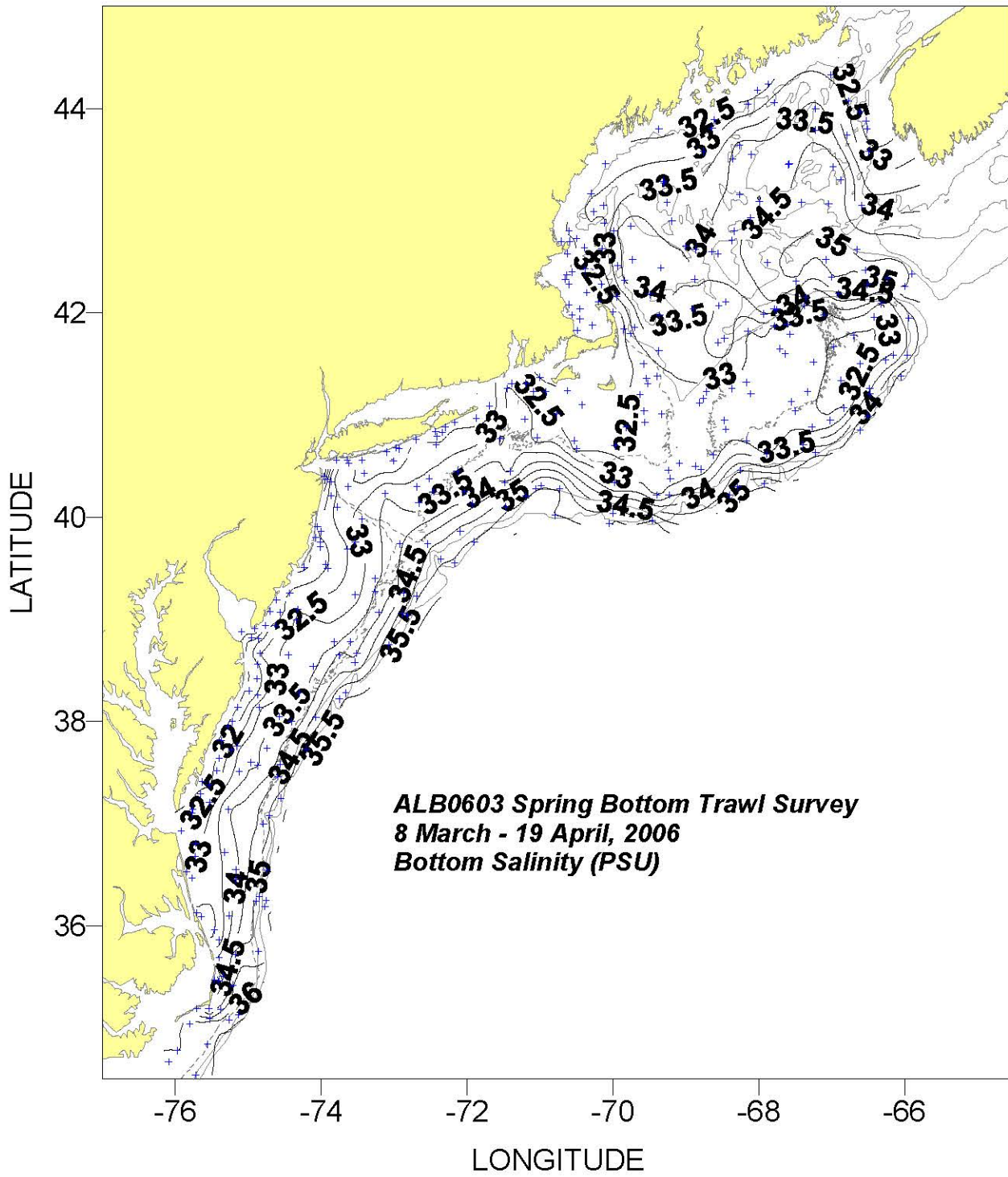


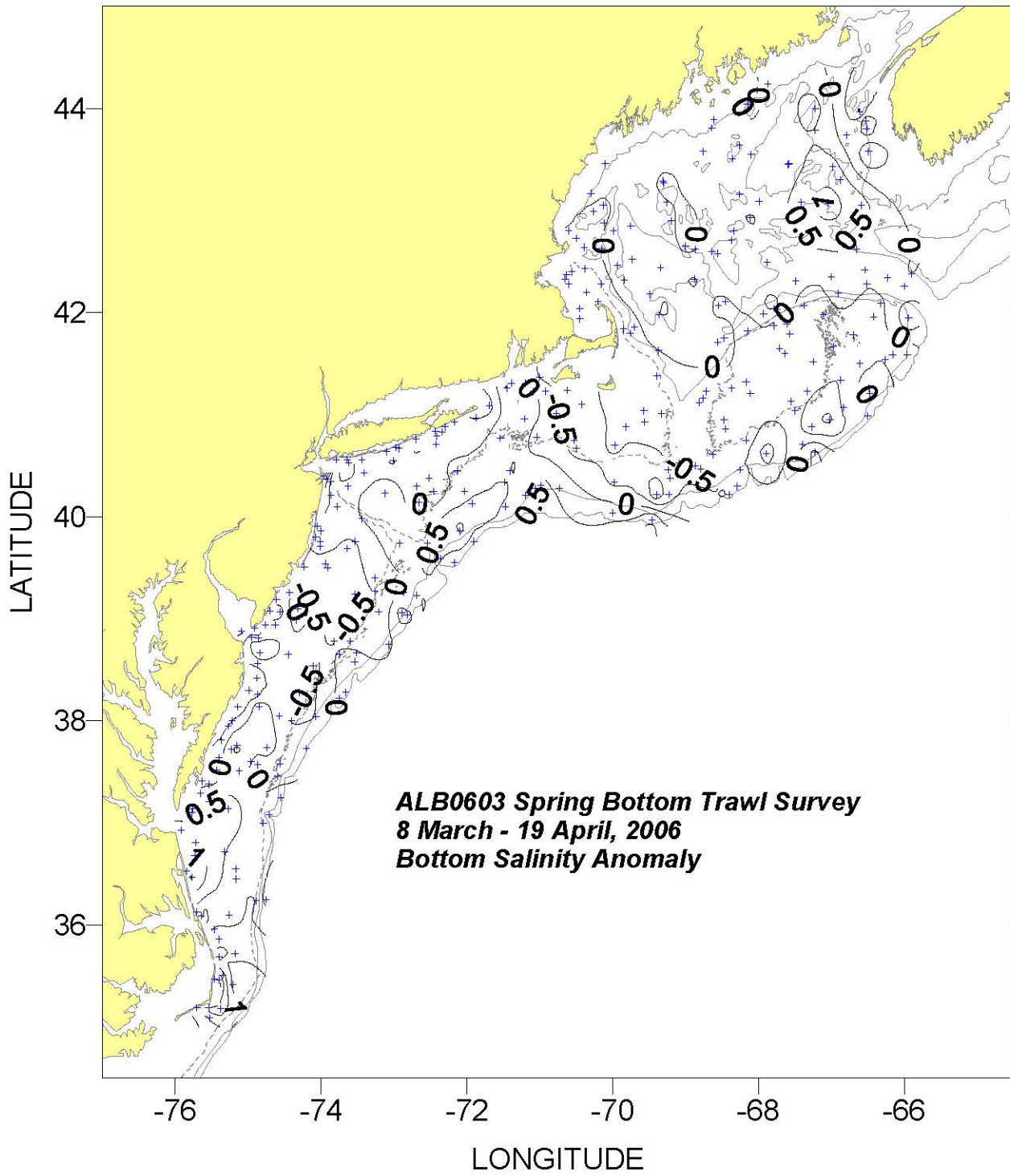












ALB0603 Spring Bottom Trawl Survey
8 March - 19 April 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	3913.8	7241.5	8	3	2006	15:28	126	7.06	33.40	12.81	35.45	4
2	2	3915.5	7252.2	8	3	2006	17:12	80	7.11	33.39	9.44	34.12	4
3	3	3924.1	7315.8	8	3	2006	20:16	55	6.85	33.14	6.89	33.33	7
4	4	3916.2	7315.5	8	3	2006	21:42	60	6.85	33.19	7.77	33.62	6
5	5	3914.3	7331.5	8	3	2006	23:55	45	5.93	32.76	5.58	32.79	5
6	6	3904.0	7312.6	9	3	2006	2:30	70	8.13	33.75	8.25	33.82	7
7	7	3903.7	7253.4	9	3	2006	4:56	86	7.67	33.66	12.40	35.20	4
8	8	3902.5	7248.4	9	3	2006	6:34	118	7.33	33.57	12.33	35.44	5
9	9	3844.8	7304.3	9	3	2006	9:16	145	7.84	33.74	12.20	35.39	4
10	10	3846.8	7336.1	9	3	2006	12:46	55	7.00	33.26	8.02	33.75	4
11	11	3847.0	7349.1	9	3	2006	14:48	48	6.95	33.18	7.00	33.26	6
12	12	3838.9	7344.7	9	3	2006	16:34	57	8.50	33.83	9.03	34.11	5
13	13	3840.3	7330.6	9	3	2006	18:21	67	8.56	33.92	8.53	33.94	4
14	14	3834.8	7332.3	9	3	2006	19:42	70	8.76	33.97	8.71	34.05	4
15	15	3816.8	7339.6	9	3	2006	22:15	137	10.31	34.63	12.04	35.37	4
16	16	3813.2	7344.7	9	3	2006	23:43	117	9.99	34.51	12.05	35.36	6
17	17	3832.1	7406.6	10	3	2006	3:16	51	6.18	32.75	7.16	33.33	6
18	18	3816.7	7418.1	10	3	2006	6:00	51	6.85	33.08	6.87	33.17	5
19	19	3802.8	7434.1	10	3	2006	9:16	40	7.09	33.11	7.56	33.46	3
20	20	3800.1	7424.2	10	3	2006	11:46	53	7.17	33.24	7.35	33.37	2
21	21	3802.1	7404.3	10	3	2006	15:43	105	7.95	33.48	10.23	34.63	8
22	22	3743.5	7411.7	10	3	2006	19:49	182	9.00	34.00	11.67	35.44	4
23	23	3744.6	7444.5	11	3	2006	0:37	46	6.78	32.09	8.16	33.70	5
24	24	3733.9	7452.0	11	3	2006	2:37	36	7.15	32.45	7.71	33.36	5
25	25	3734.6	7433.3	11	3	2006	4:46	64	7.84	32.96	9.28	34.14	5
26	26	3727.6	7435.2	11	3	2006	6:16	59	7.67	33.10	9.70	34.34	5
27	27	3714.8	7433.0	11	3	2006	8:23	110	8.89	33.78	12.05	35.22	7
28	28	3704.6	7442.8	11	3	2006	10:31	99	9.15	33.89	12.11	35.08	1
29	29	3700.1	7447.2	11	3	2006	12:19	65	8.97	33.77	10.72	34.59	5
30	30	3632.4	7444.2	11	3	2006	15:46	156	11.56	34.57	12.41	35.44	3

ALB0603 Spring Bottom Trawl Survey
8 March - 19 April 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
31	31	3632.9	7510.1	11	3	2006	19:31	39	9.43	31.42	8.89	33.80	7
32	32	3626.8	7509.8	11	3	2006	21:01	34	9.51	31.39	9.35	33.97	5
33	33	3617.4	7451.0	11	3	2006	23:22	83	10.85	34.21	12.72	35.26	4
34	34	3614.4	7453.2	12	3	2006	0:31	73	10.25	34.08	12.14	35.10	4
35	35	3614.8	7445.1	12	3	2006	2:10	512	10.66	34.19	6.09	35.04	6
36	36	3611.2	7445.9	12	3	2006	4:39	205	11.24	34.47	12.33	35.54	4
37	37	3545.0	7451.3	12	3	2006	8:22	109	9.13	31.57	12.22	34.99	3
38	38	3507.9	7507.9	12	3	2006	13:21	160	23.64	36.26	18.62	36.35	5
39	39	3504.5	7515.4	12	3	2006	15:23	93	23.56	36.26	19.57	36.29	8
40	40	3505.4	7531.6	12	3	2006	17:45	23	15.62	35.44	16.66	36.17	4
41	41	3511.1	7532.2	12	3	2006	19:01	12	12.75	99.99	12.69	33.75	6
42	42	3511.2	7542.0	12	3	2006	20:25	13	14.37	33.38	13.25	35.28	3
43	43	3502.2	7547.9	12	3	2006	22:08	23	17.92	36.19	17.72	36.29	3
44	44	3446.8	7557.9	13	3	2006	0:34	30	15.81	35.92	15.14	35.90	8
45	45	3439.9	7605.4	13	3	2006	2:15	34	20.72	36.32	17.22	36.30	4
46	46	3426.2	7551.0	13	3	2006	4:37	137	22.90	36.32	19.21	36.37	5
47	47	3432.5	7543.4	13	3	2006	6:34	167	22.77	36.29	16.37	36.10	5
48	48	3450.5	7533.7	13	3	2006	9:15	61	22.47	36.28	19.46	36.36	5
49	49	3510.9	7522.5	13	3	2006	12:01	21	14.31	33.93	14.66	35.41	5
50	50	3525.3	7512.5	13	3	2006	14:03	32	11.18	31.05	16.19	35.53	6
51	51	3527.6	7524.0	13	3	2006	15:41	19	11.26	31.51	12.12	33.07	6
52	52	3530.5	7521.1	13	3	2006	16:40	22	10.54	31.09	15.25	34.36	5
53	53	3528.3	7527.4	13	3	2006	18:27	14	13.03	99.99	13.56	33.76	3
54	53	3528.3	7527.4	13	3	2006	18:42	14	13.05	33.07	13.14	33.43	4
55	54	3541.1	7523.8	13	3	2006	20:28	26	11.63	31.80	13.57	34.11	5
56	55	3543.2	7510.7	13	3	2006	22:10	36	13.04	32.27	14.04	35.30	5
57	56	3551.3	7524.0	14	3	2006	0:10	27	9.94	30.93	8.93	33.16	6
58	57	3557.6	7527.6	14	3	2006	1:34	21	8.62	31.33	8.25	32.98	3
59	58	3606.2	7515.4	14	3	2006	3:20	33	9.43	30.44	9.16	33.85	5
60	59	3605.5	7538.4	14	3	2006	5:56	20	8.13	31.63	7.56	32.38	9

ALB0603 Spring Bottom Trawl Survey
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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
61	60	3607.9	7542.1	14	3	2006	7:11	15	7.98	32.32	7.91	33.20	4
62	61	3627.9	7546.1	14	3	2006	9:45	19	8.31	32.12	7.74	33.15	4
63	62	3632.0	7550.1	14	3	2006	10:55	11	7.86	32.61	7.83	32.63	5
64	63	3640.8	7543.9	14	3	2006	12:34	17	8.48	31.90	7.49	32.85	5
65	64	3643.3	7519.4	14	3	2006	15:04	20	9.53	30.83	8.46	33.59	5
66	65	3648.3	7543.4	14	3	2006	17:45	20	8.92	31.49	7.45	32.88	5
67	66	3655.8	7555.0	14	3	2006	19:31	17	9.84	26.65	7.63	32.49	3
68	67	3705.7	7546.2	14	3	2006	21:52	13	7.73	32.03	7.62	32.14	5
69	68	3708.3	7545.8	14	3	2006	22:49	12	7.67	32.05	7.50	32.20	5
70	69	3708.3	7516.0	15	3	2006	1:43	33	9.35	31.68	9.27	34.02	5
71	70	3712.8	7532.0	15	3	2006	3:49	25	8.33	31.42	7.36	32.72	3
72	71	3717.1	7538.8	15	3	2006	5:19	14	7.24	32.09	7.25	32.09	4
73	72	3724.7	7537.6	15	3	2006	6:40	10	8.29	31.82	8.27	31.84	5
74	73	3723.0	7532.4	15	3	2006	8:04	17	7.58	31.77	7.50	31.84	4
75	74	3730.9	7525.9	15	3	2006	9:37	20	7.28	32.07	7.27	32.11	4
76	75	3730.5	7507.4	15	3	2006	11:36	28	7.80	32.47	7.88	33.18	2
77	76	3736.2	7457.5	15	3	2006	13:26	31	7.63	32.40	8.23	33.55	5
78	77	3738.2	7523.7	15	3	2006	16:34	15	6.99	32.15	6.99	32.15	4
79	78	3743.4	7513.6	15	3	2006	18:42	21	7.24	32.28	7.11	32.65	5
80	79	3745.5	7509.1	15	3	2006	20:10	27	7.25	32.25	7.34	32.90	5
81	80	3748.3	7521.9	15	3	2006	21:53	11	7.60	31.57	7.60	31.57	4
82	81	3756.8	7516.3	15	3	2006	23:49	11	7.41	31.52	7.42	31.52	4
83	82	3759.9	7512.9	16	3	2006	1:13	14	7.18	31.62	7.19	31.62	3
84	83	3808.6	7508.3	16	3	2006	3:01	16	7.42	31.42	7.42	31.43	5
85	84	3808.2	7450.7	16	3	2006	4:54	29	6.98	31.85	7.52	33.01	6
86	85	3815.3	7452.2	16	3	2006	6:16	12	6.80	31.95	6.80	31.94	5
87	86	3817.9	7459.3	16	3	2006	7:31	14	6.73	31.62	6.72	31.63	3
88	87	3825.2	7452.8	16	3	2006	8:55	18	6.66	31.68	6.66	31.69	4
89	88	3833.5	7451.9	16	3	2006	10:19	22	6.54	31.45	6.71	31.91	4
90	89	3838.8	7427.1	16	3	2006	12:49	37	6.98	32.42	7.38	33.31	1

ALB0603 Spring Bottom Trawl Survey
8 March - 19 April 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
91	90	3840.3	7450.3	16	3	2006	15:15	20	6.86	31.92	7.16	32.67	4
92	91	3848.8	7451.5	16	3	2006	16:42	15	6.96	28.33	6.47	31.56	5
93	92	3848.9	7457.1	16	3	2006	18:07	12	6.84	30.97	6.69	31.70	3
94	93	3852.8	7505.2	16	3	2006	19:47	24	6.78	27.62	6.48	30.65	8
95	94	3854.4	7454.7	16	3	2006	22:57	11	7.35	25.37	6.60	30.29	5
96	95	3856.3	7445.7	17	3	2006	0:24	15	6.49	30.48	6.32	31.87	5
97	96	3856.3	7437.9	17	3	2006	1:49	13	6.34	31.92	6.32	32.14	5
98	97	3904.2	7433.8	17	3	2006	3:19	18	6.13	31.49	6.05	31.55	5
99	98	3859.2	7420.1	17	3	2006	5:05	32	6.52	31.70	6.99	33.12	4
100	99	3906.2	7419.0	17	3	2006	6:58	28	6.20	32.14	6.51	32.90	4
101	100	3904.9	7441.8	17	3	2006	10:07	13	6.12	31.27	6.12	31.26	4
102	101	3911.1	7436.7	17	3	2006	12:19	12	6.02	31.85	6.02	31.85	3
103	102	3915.7	7426.0	17	3	2006	13:49	16	6.07	32.06	6.08	32.05	4
104	103	3930.8	7414.0	17	3	2006	16:13	13	5.52	31.30	5.28	31.35	3
105	104	3930.2	7354.4	17	3	2006	18:37	26	5.95	32.10	5.52	32.10	8
106	105	3932.6	7356.4	17	3	2006	19:42	25	5.99	31.84	5.36	31.89	7
107	106	3942.7	7400.7	17	3	2006	21:27	21	5.34	31.56	5.09	31.72	6
108	107	3945.3	7400.8	17	3	2006	22:31	21	5.43	31.69	5.03	32.02	5
109	108	3947.9	7404.3	17	3	2006	23:43	12	5.39	31.84	5.28	31.90	4
110	109	3954.5	7402.9	18	3	2006	1:02	20	5.16	32.02	5.03	32.04	5
111	110	3951.5	7400.2	18	3	2006	2:05	20	5.24	31.83	4.99	32.02	5
112	111	3941.3	7338.2	18	3	2006	4:37	35	5.23	31.96	5.52	32.49	3
113	112	3945.3	7331.6	18	3	2006	6:10	35	6.07	32.65	6.01	32.74	4
114	113	3958.9	7326.5	18	3	2006	8:36	46	6.20	32.80	7.02	33.27	4
115	114	3944.2	7255.4	18	3	2006	12:01	73	6.41	32.87	8.67	33.92	2
116	115	3944.3	7232.4	18	3	2006	14:33	75	7.00	33.20	11.21	34.84	5
117	116	3935.3	7221.3	18	3	2006	16:34	107	7.18	33.25	12.48	35.42	6
118	117	3932.9	7210.2	18	3	2006	18:37	152	6.34	32.98	12.67	35.52	7
119	118	3945.6	7153.7	18	3	2006	21:23	202	6.08	32.95	12.23	35.53	7
120	119	3951.7	7205.3	19	3	2006	0:28	91	6.69	33.10	12.46	35.21	7

ALB0603 Spring Bottom Trawl Survey
8 March - 19 April 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
121	120	4007.9	7155.8	19	3	2006	3:10	81	6.91	33.20	10.61	34.37	7
122	121	4014.9	7201.9	19	3	2006	4:54	63	6.40	33.03	7.99	33.51	9
123	122	4027.1	7207.9	19	3	2006	7:04	58	6.45	32.97	7.84	33.45	5
124	123	4014.7	7227.5	19	3	2006	10:25	58	6.12	32.96	6.51	33.04	4
125	124	4022.8	7230.9	19	3	2006	12:04	49	5.39	32.57	6.54	33.10	5
126	125	4018.0	7241.6	19	3	2006	13:55	52	5.71	32.71	6.50	33.12	3
127	126	4008.6	7239.4	19	3	2006	16:02	55	6.23	32.91	7.03	33.16	3
128	127	4013.5	7307.0	19	3	2006	18:52	43	5.44	31.98	7.08	33.51	9
129	128	4005.9	7346.7	19	3	2006	22:34	31	5.79	32.23	6.16	32.72	6
130	129	4012.8	7351.3	20	3	2006	0:06	22	5.61	32.24	5.71	32.26	6
131	130	4018.0	7338.0	20	3	2006	1:58	26	5.83	32.38	5.86	32.41	7
132	131	4020.7	7351.8	20	3	2006	3:47	26	5.45	31.58	5.94	32.43	4
133	132	4022.4	7355.1	20	3	2006	4:58	19	5.22	29.62	5.24	31.95	4
134	133	4023.7	7357.3	20	3	2006	6:11	11	5.16	29.29	5.19	29.39	4
135	134	4033.8	7347.3	20	3	2006	7:58	10	6.01	32.55	6.06	32.56	4
136	135	4033.6	7338.1	20	3	2006	9:19	10	5.75	32.74	5.75	32.74	4
137	136	4031.5	7337.0	20	3	2006	10:37	18	6.21	32.84	6.23	32.86	3
138	137	4033.6	7326.4	20	3	2006	11:58	16	5.19	32.15	5.18	32.15	4
139	138	4025.8	7324.5	20	3	2006	13:31	27	5.44	32.14	5.47	32.15	4
140	139	4033.0	7300.5	20	3	2006	16:02	28	4.94	31.95	4.88	32.00	4
141	140	4038.5	7306.0	20	3	2006	17:46	13	5.03	31.87	5.00	31.87	3
142	141	4040.8	7257.9	20	3	2006	19:01	17	4.89	31.89	4.82	31.93	4
143	142	4040.3	7255.5	20	3	2006	20:08	23	4.86	32.03	4.99	32.22	5
144	143	4045.4	7241.7	20	3	2006	21:53	20	5.00	32.21	5.32	32.53	4
145	144	4042.8	7225.3	20	3	2006	23:46	37	4.76	32.23	5.50	32.64	6
146	145	4049.7	7220.6	21	3	2006	1:15	27	4.88	32.34	4.97	32.35	5
147	146	4047.1	7224.7	21	3	2006	2:30	30	4.68	32.13	4.75	32.16	5
148	147	4050.6	7226.0	21	3	2006	3:42	16	4.75	32.24	4.77	32.24	5
149	148	4052.8	7217.9	21	3	2006	4:56	17	4.70	32.30	4.74	32.34	4
150	149	4055.6	7210.0	21	3	2006	6:09	18	4.83	32.37	4.84	32.37	4

**ALB0603 Spring Bottom Trawl Survey
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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
151	150	4058.3	7152.4	21	3	2006	7:56	28	4.27	30.67	5.08	32.26	4
152	151	4105.5	7141.4	21	3	2006	10:07	29	4.52	30.44	6.11	32.04	4
153	152	4057.3	7112.6	21	3	2006	13:04	52	4.79	31.98	7.73	33.32	4
154	153	4046.3	7132.3	21	3	2006	15:41	61	5.07	32.27	8.65	33.59	3
155	154	4047.0	7102.3	21	3	2006	18:28	58	5.26	32.14	6.24	32.74	4
156	155	4026.9	7124.7	21	3	2006	21:40	72	5.19	32.23	7.73	33.33	6
157	156	4020.2	7128.5	21	3	2006	23:10	81	5.27	32.39	10.06	34.08	6
158	157	4006.1	7128.0	22	3	2006	1:17	89	4.73	32.40	12.87	35.39	4
159	158	4012.8	7111.2	22	3	2006	3:22	112	4.81	32.37	13.02	35.45	3
160	159	4016.7	7103.6	22	3	2006	5:01	103	5.06	32.38	12.62	35.40	3
161	160	4018.5	7058.8	22	3	2006	6:13	102	4.87	32.26	12.75	35.55	4
162	161	4001.1	7048.8	22	3	2006	9:00	243	4.48	32.28	12.07	35.53	42
163	161	4001.3	7047.4	22	3	2006	9:31	235	4.46	32.28	11.17	35.43	3
164	162	4016.6	7043.8	22	3	2006	12:19	115	4.75	32.40	13.31	35.52	3
165	163	4040.0	7030.0	22	3	2006	15:58	57	4.90	32.14	4.95	32.34	2
166	164	4045.2	7031.7	22	3	2006	17:16	56	5.05	32.15	4.98	32.32	7
167	165	4100.8	7046.4	22	3	2006	20:10	48	5.55	32.34	5.67	32.47	3
168	166	4106.0	7025.0	22	3	2006	22:21	40	5.19	32.13	5.16	32.22	6
169	167	4114.1	7037.4	23	3	2006	0:18	28	4.28	31.89	4.46	31.98	5
170	168	4113.8	7054.9	23	3	2006	2:58	33	4.72	32.10	5.01	32.17	3
171	169	4114.0	7105.3	23	3	2006	4:30	43	4.98	32.19	5.96	32.67	7
172	170	4115.5	7127.0	23	3	2006	7:16	38	4.90	32.24	7.23	33.15	4
173	171	4118.6	7123.3	23	3	2006	8:52	35	4.60	32.10	6.63	32.92	3
174	172	4118.7	7111.1	23	3	2006	10:37	33	4.84	32.02	5.44	32.35	4
175	173	4122.4	7100.1	23	3	2006	12:22	28	4.20	31.90	4.22	31.90	4
176	175	4041.7	6958.0	28	3	2006	3:46	42	4.42	32.40	4.36	32.48	6
177	176	4020.1	6958.8	28	3	2006	6:26	84	5.26	32.70	4.77	32.74	6
178	177	4002.3	6959.7	28	3	2006	8:58	152	7.14	33.42	12.82	35.46	5
179	178	3956.1	7004.0	28	3	2006	11:33	301	8.65	33.92	12.33	35.54	99
180	178	3956.5	7003.1	28	3	2006	12:06	283	14.08	35.56	10.59	35.37	4

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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
181	179	3958.2	6927.4	28	3	2006	16:12	120	17.28	36.21	13.47	35.62	5
182	180	4013.0	6924.1	28	3	2006	18:55	85	5.21	32.72	4.83	32.77	5
183	181	4013.1	6913.9	28	3	2006	20:36	95	5.27	32.71	6.60	33.41	4
184	182	4022.6	6912.7	28	3	2006	22:25	83	5.45	32.65	5.12	32.68	3
185	183	4027.7	6914.1	28	3	2006	23:46	76	5.43	32.71	5.08	32.75	6
186	184	4031.7	6905.2	29	3	2006	1:12	78	5.32	32.69	5.11	32.68	6
187	185	4029.8	6852.3	29	3	2006	2:52	74	4.48	32.72	4.38	32.72	6
188	186	4028.3	6847.5	29	3	2006	4:20	75	4.42	32.71	4.30	32.72	4
189	187	4036.7	6837.2	29	3	2006	6:11	61	4.31	32.77	4.34	32.77	4
190	188	4012.9	6823.8	29	3	2006	9:04	178	4.93	32.67	10.50	34.87	7
191	189	4017.8	6817.5	29	3	2006	10:58	167	5.05	32.66	11.32	35.24	4
192	190	4027.6	6814.7	29	3	2006	13:16	115	5.53	32.81	8.99	34.45	7
193	191	4044.7	6810.0	29	3	2006	15:41	69	5.09	32.84	4.55	32.86	3
194	192	4037.1	6753.6	29	3	2006	17:45	86	5.21	32.24	4.62	32.77	6
195	193	4019.8	6755.1	29	3	2006	20:30	178	6.56	32.98	12.57	35.50	1
196	194	4038.0	6713.4	30	3	2006	2:34	108	6.59	33.14	9.83	34.44	6
197	195	4042.8	6723.1	30	3	2006	4:10	95	5.76	32.54	7.66	33.71	6
198	196	4052.5	6716.0	30	3	2006	6:11	87	3.67	31.80	4.94	32.70	5
199	197	4102.6	6730.0	30	3	2006	8:25	62	4.60	32.70	4.60	32.69	3
200	198	4108.0	6733.0	30	3	2006	9:49	56	4.68	32.80	4.68	32.77	5
201	199	4113.7	6719.6	30	3	2006	11:49	51	4.60	32.72	4.61	32.73	6
202	200	4057.0	6701.4	30	3	2006	15:37	81	4.59	31.82	4.68	32.61	7
203	201	4104.0	6649.7	30	3	2006	17:58	77	4.99	31.86	4.39	32.52	4
204	202	4050.8	6636.3	30	3	2006	23:17	335	3.94	31.55	7.31	35.08	5
205	203	4059.5	6630.1	31	3	2006	0:46	132	5.16	32.59	8.97	34.35	5
206	204	4112.6	6628.4	31	3	2006	2:52	95	3.90	31.50	7.12	33.58	5
207	205	4115.8	6629.0	31	3	2006	4:13	92	3.67	31.49	6.89	33.48	6
208	206	4120.2	6652.4	31	3	2006	6:55	71	4.40	31.71	4.19	32.40	5
209	207	4130.1	6636.8	31	3	2006	9:10	85	3.24	31.40	4.58	32.51	6
210	208	4146.6	6641.8	31	3	2006	11:40	66	4.33	32.36	4.34	32.37	6

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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
211	209	4132.1	6615.8	31	3	2006	15:01	94	3.73	31.32	5.83	33.10	5
212	210	4122.9	6602.9	31	3	2006	17:40	209	4.41	31.98	9.42	34.83	10
213	211	4135.5	6609.3	31	3	2006	20:58	97	4.30	31.52	5.27	32.88	5
214	212	4135.4	6557.5	31	3	2006	22:47	147	4.00	31.97	6.97	33.70	5
215	213	4157.1	6556.6	1	4	2006	1:47	108	4.23	32.12	7.13	33.83	5
216	214	4157.8	6625.4	1	4	2006	4:54	85	4.50	32.47	4.76	32.61	3
217	215	4205.1	6619.1	1	4	2006	6:28	88	4.88	32.69	5.12	32.83	3
218	216	4215.7	6559.7	1	4	2006	8:55	243	3.30	31.67	9.34	35.03	6
219	217	4222.9	6554.2	1	4	2006	10:51	208	4.63	32.22	9.43	34.94	6
220	218	4220.6	6613.8	1	4	2006	13:19	235	3.60	31.73	9.10	35.08	7
221	219	4237.1	6639.2	1	4	2006	16:22	178	3.43	31.61	9.79	34.94	6
222	220	4225.2	6632.0	1	4	2006	18:43	298	3.36	31.37	8.06	35.00	95
223	220	4224.9	6632.6	1	4	2006	19:02	301	3.38	31.37	7.96	35.02	3
224	221	4217.3	6630.8	1	4	2006	21:30	264	3.81	31.65	8.32	34.95	60
225	221	4216.8	6630.8	1	4	2006	21:49	260	3.85	31.73	8.07	34.99	4
226	222	4211.4	6654.4	2	4	2006	0:40	194	4.59	32.37	8.07	34.49	3
227	223	4220.9	6700.1	2	4	2006	3:19	323	4.41	31.81	7.92	35.03	5
228	224	4231.2	6704.9	2	4	2006	5:52	334	4.20	31.79	7.79	35.03	6
229	225	4229.1	6752.7	2	4	2006	10:34	220	4.58	32.38	8.19	34.86	7
230	226	4218.4	6729.4	2	4	2006	14:01	300	4.76	32.26	8.48	34.96	91
231	226	4218.8	6729.4	2	4	2006	14:19	299	4.80	32.26	7.88	35.03	5
232	227	4209.0	6721.1	2	4	2006	17:43	158	5.21	32.76	5.98	33.36	3
233	228	4204.3	6722.1	2	4	2006	19:46	50	5.39	32.94	5.33	32.94	5
234	229	4158.8	6706.7	2	4	2006	21:30	66	4.93	32.68	4.91	32.67	4
235	230	4140.2	6658.1	3	4	2006	0:12	62	4.65	32.47	4.64	32.46	4
236	231	4131.1	6715.1	3	4	2006	2:40	51	4.82	32.63	4.97	32.74	6
237	232	4135.8	6738.5	3	4	2006	5:22	33	5.56	32.95	5.56	32.95	3
238	233	4138.9	6742.4	3	4	2006	6:34	31	5.40	32.92	5.40	32.92	3
239	234	4147.6	6734.3	3	4	2006	8:19	48	5.52	32.96	5.50	32.95	3
240	235	4153.2	6736.3	3	4	2006	9:49	39	5.33	32.94	5.31	32.93	5

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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
241	236	4152.2	6747.5	3	4	2006	11:36	39	5.17	32.87	5.15	32.88	4
242	237	4201.9	6745.2	3	4	2006	13:22	159	4.90	32.52	7.25	34.18	2
243	238	4202.2	6747.2	3	4	2006	14:46	179	5.06	32.49	7.49	34.33	2
244	239	4159.3	6755.6	3	4	2006	16:15	181	6.22	32.40	7.25	34.10	3
245	240	4149.3	6808.9	3	4	2006	18:43	90	5.93	32.81	5.18	32.88	3
246	241	4145.0	6828.2	3	4	2006	20:55	178	6.78	32.97	6.87	33.93	4
247	242	4206.7	6827.2	4	4	2006	0:06	180	5.82	32.81	6.64	33.60	4
248	243	4204.0	6832.9	4	4	2006	1:31	166	5.56	32.75	6.45	33.47	3
249	244	4202.2	6853.7	4	4	2006	3:54	132	5.34	32.80	5.27	33.07	4
250	245	4142.7	6833.5	4	4	2006	7:11	170	5.81	32.98	6.71	33.86	4
251	246	4121.9	6832.1	4	4	2006	10:13	77	5.41	99.99	5.42	99.99	5
252	247	4115.7	6822.0	4	4	2006	12:23	58	5.10	32.84	5.09	32.84	5
253	248	4119.2	6810.3	4	4	2006	15:06	45	5.33	32.90	5.30	32.92	7
254	249	4112.3	6806.5	4	4	2006	17:06	48	5.23	32.93	5.21	32.93	5
255	250	4051.5	6827.2	4	4	2006	21:22	41	4.91	32.80	4.91	32.81	6
256	251	4056.7	6828.0	4	4	2006	23:22	43	5.08	32.82	5.08	32.83	4
257	252	4113.7	6843.0	5	4	2006	3:10	64	5.49	32.88	5.49	32.88	5
258	253	4109.8	6845.4	5	4	2006	6:28	63	5.31	32.78	5.32	32.78	4
259	254	4106.9	6848.8	5	4	2006	7:46	74	5.44	32.85	5.45	32.85	3
260	255	4056.0	6933.6	5	4	2006	11:58	41	5.19	32.59	5.20	32.60	5
261	256	4052.6	6949.4	5	4	2006	13:41	36	5.37	32.38	5.37	32.38	2
262	257	4112.0	6938.0	5	4	2006	16:19	22	5.32	32.70	5.32	32.70	4
263	258	4102.5	6934.0	5	4	2006	18:17	35	5.38	32.66	5.36	32.66	4
264	259	4100.7	6919.9	5	4	2006	20:07	47	5.44	32.79	5.32	32.79	5
265	260	4122.5	6923.2	5	4	2006	22:53	44	5.18	32.72	5.14	32.74	4
266	261	4118.5	6931.1	6	4	2006	0:37	31	5.23	32.71	5.25	32.69	5
267	262	4121.4	6932.6	6	4	2006	1:52	30	5.15	32.76	5.16	32.76	2
268	263	4129.9	6934.6	6	4	2006	3:43	33	4.74	32.60	4.75	32.59	5
269	264	4137.7	6922.1	6	4	2006	5:49	164	5.12	32.77	6.28	33.41	6
270	265	4158.8	6921.7	6	4	2006	9:00	207	5.06	32.73	7.46	34.14	2

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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
271	266	4151.7	6941.8	6	4	2006	11:34	149	4.85	32.57	5.79	33.26	3
272	267	4147.9	6945.6	6	4	2006	12:56	123	4.62	32.36	4.77	32.87	2
273	268	4150.3	6950.9	6	4	2006	14:19	64	4.50	32.29	4.46	32.34	3
274	269	4200.6	7000.2	6	4	2006	16:13	21	4.60	32.03	4.51	32.04	4
275	270	4209.8	6957.2	6	4	2006	17:55	152	4.99	32.66	5.18	33.00	4
276	271	4219.0	6950.6	6	4	2006	19:43	228	5.08	32.64	7.46	34.11	1
277	272	4216.6	7009.6	6	4	2006	21:55	62	5.14	32.55	4.41	32.61	5
278	273	4211.9	7021.6	6	4	2006	23:34	48	4.69	32.20	4.30	32.40	5
279	274	4206.8	7011.7	7	4	2006	1:08	59	4.94	32.01	3.97	32.43	6
280	275	4220.0	6852.6	11	4	2006	23:23	211	5.95	32.56	7.60	34.25	10
281	275	4221.5	6853.3	12	4	2006	0:01	211	5.54	32.57	4.96	32.83	161
282	276	4238.9	6859.9	12	4	2006	2:49	190	6.14	32.43	7.22	33.94	5
283	277	4237.1	6852.2	12	4	2006	4:33	153	5.39	32.41	6.74	33.58	5
284	278	4236.0	6838.3	12	4	2006	6:28	196	5.50	32.51	7.60	34.32	7
285	279	4235.0	6833.7	12	4	2006	8:19	208	5.79	32.52	7.79	34.49	3
286	280	4242.6	6821.9	12	4	2006	10:41	189	5.63	32.40	7.77	34.37	5
287	281	4248.2	6820.2	12	4	2006	12:52	204	5.74	32.38	7.78	34.37	5
288	282	4255.8	6806.8	12	4	2006	15:25	194	5.93	32.36	7.96	34.50	6
289	282	4255.1	6807.7	12	4	2006	15:51	180	5.48	32.39	4.98	32.44	154
290	283	4309.5	6815.6	12	4	2006	18:07	186	6.02	32.37	7.60	34.11	5
291	284	4305.6	6759.4	12	4	2006	20:16	175	5.06	32.37	7.30	33.93	4
292	285	4327.3	6734.8	13	4	2006	0:04	224	5.64	32.29	7.96	34.34	22
293	285	4326.8	6735.4	13	4	2006	0:28	226	5.64	32.29	7.94	34.34	4
294	286	4304.9	6724.3	13	4	2006	3:54	191	5.56	32.31	8.44	34.67	3
295	287	4304.0	6702.2	13	4	2006	6:16	186	4.77	31.82	9.09	34.93	4
296	288	4302.7	6635.5	13	4	2006	9:15	125	4.08	31.55	7.24	33.65	3
297	289	4317.8	6653.0	13	4	2006	13:31	195	4.83	31.89	9.14	34.83	5
298	290	4326.0	6659.0	13	4	2006	15:51	207	4.91	31.97	9.05	34.83	8
299	291	4344.2	6647.1	13	4	2006	19:31	152	4.70	31.82	6.50	33.35	9
300	292	4334.6	6629.1	14	4	2006	0:49	113	4.88	31.98	5.16	32.58	5

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Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
301	293	4347.8	6631.2	14	4	2006	3:34	98	4.69	31.88	4.84	32.35	6
302	294	4353.0	6631.5	14	4	2006	7:52	85	4.77	32.04	4.78	32.25	5
303	295	4358.2	6636.5	14	4	2006	9:41	108	4.79	31.97	5.17	32.58	4
304	296	4404.4	6646.0	14	4	2006	11:55	86	4.66	32.03	5.74	32.92	4
305	297	4419.6	6700.3	14	4	2006	14:31	111	5.10	32.16	5.61	32.84	4
306	298	4359.8	6712.9	14	4	2006	17:23	169	5.66	31.98	7.94	34.27	7
307	299	4347.3	6713.3	14	4	2006	19:21	176	5.12	31.96	8.24	34.39	5
308	300	4403.8	6747.2	14	4	2006	23:55	157	5.46	32.34	6.20	33.26	11
309	301	4414.6	6751.9	15	4	2006	2:17	78	5.27	32.12	4.77	32.37	3
310	302	4410.7	6801.3	15	4	2006	4:19	86	5.20	32.18	4.60	32.33	3
311	303	4402.3	6809.2	15	4	2006	6:34	93	5.35	32.40	5.05	32.57	3
311	303	4402.3	6809.2	15	4	2006	6:34	93	5.35	32.40	5.05	32.57	3
312	304	4333.1	6805.7	15	4	2006	10:08	189	5.66	32.33	7.98	34.30	6
313	305	4330.7	6821.7	15	4	2006	13:07	191	5.70	32.37	7.73	34.08	5
314	306	4338.4	6815.4	15	4	2006	15:06	186	5.61	32.18	7.85	34.18	1
315	307	4353.4	6836.8	15	4	2006	19:02	92	4.98	32.28	4.68	32.53	4
316	308	4348.4	6838.2	15	4	2006	21:28	109	5.00	32.27	4.77	32.55	6
317	309	4334.5	6845.4	16	4	2006	0:10	157	5.79	32.46	5.78	33.09	3
318	310	4347.9	6922.4	16	4	2006	6:10	66	5.27	31.78	4.07	32.32	2
319	311	4327.7	7005.8	16	4	2006	12:36	90	5.91	31.38	4.26	32.59	4
320	312	4317.2	6918.7	16	4	2006	16:47	162	6.04	32.54	6.61	33.39	6
321	313	4316.2	6917.7	16	4	2006	18:22	161	5.82	32.55	6.42	33.33	4
322	314	4304.8	6915.6	16	4	2006	20:31	170	5.74	32.50	6.72	33.49	6
323	315	4254.2	6911.2	16	4	2006	22:28	170	5.65	32.45	6.81	33.51	5
324	316	4251.2	6945.1	17	4	2006	1:37	225	5.90	32.57	7.50	34.23	3
325	317	4247.8	6959.5	17	4	2006	3:49	177	6.34	32.27	7.31	33.92	5
326	318	4252.7	7007.1	17	4	2006	5:25	67	6.03	32.11	4.71	32.73	3
327	319	4303.1	7007.7	17	4	2006	7:11	135	6.26	32.03	5.94	33.12	5
328	320	4310.2	7017.9	17	4	2006	9:16	117	6.54	31.63	5.16	32.89	4
329	321	4259.4	7015.4	17	4	2006	11:08	169	6.28	32.21	6.47	33.28	4

**ALB0603 Spring Bottom Trawl Survey
8 March - 19 April 2005**

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
330	322	4247.7	7036.1	17	4	2006	13:41	88	6.57	31.93	4.52	32.67	4
331	323	4241.9	7042.4	17	4	2006	15:58	19	6.04	31.43	5.67	31.72	4
332	325	4242.0	7035.3	17	4	2006	18:34	41	8.31	30.55	4.53	32.33	5
333	326	4234.5	7037.4	17	4	2006	20:46	46	7.62	31.81	5.03	32.28	5
334	327	4244.0	7029.8	17	4	2006	22:31	81	7.13	31.68	4.21	32.61	5
335	328	4238.1	7023.5	18	4	2006	1:16	77	6.90	31.94	4.68	32.66	5
336	329	4238.0	7009.0	18	4	2006	3:07	96	6.23	32.29	4.90	32.82	6
337	330	4227.8	6955.8	18	4	2006	5:09	173	5.90	32.52	7.16	33.82	5
338	331	4231.2	6943.5	18	4	2006	7:13	262	5.72	32.43	7.55	34.28	5
339	332	4226.3	6920.3	18	4	2006	10:06	261	5.92	32.49	7.63	34.31	5
340	333	4211.0	6929.3	18	4	2006	13:10	205	5.96	32.55	7.43	34.14	6
341	334	4226.0	7022.9	18	4	2006	18:49	57	6.46	32.22	4.33	32.53	4
342	335	4224.1	7033.4	18	4	2006	20:38	90	6.87	32.18	4.20	32.59	5
343	336	4221.9	7037.6	18	4	2006	22:30	73	6.95	32.07	4.27	32.52	6
344	337	4219.9	7038.9	19	4	2006	0:37	59	6.98	32.02	4.32	32.45	5
345	338	4216.7	7036.0	19	4	2006	2:31	51	7.07	31.98	4.31	32.47	6
346	339	4205.0	7035.9	19	4	2006	4:48	23	7.10	32.00	7.05	32.01	5
347	340	4158.8	7033.6	19	4	2006	6:49	28	6.86	32.08	6.79	32.10	5
348	341	4150.0	7029.3	19	4	2006	8:28	20	6.89	31.96	6.92	31.99	5
349	342	4202.1	7027.2	19	4	2006	10:34	48	6.55	31.85	4.46	32.39	3
350	343	4156.3	7026.8	19	4	2006	11:55	37	6.55	31.88	6.18	32.18	5
351	344	4153.0	7016.6	19	4	2006	13:37	29	6.80	31.75	4.77	32.16	4