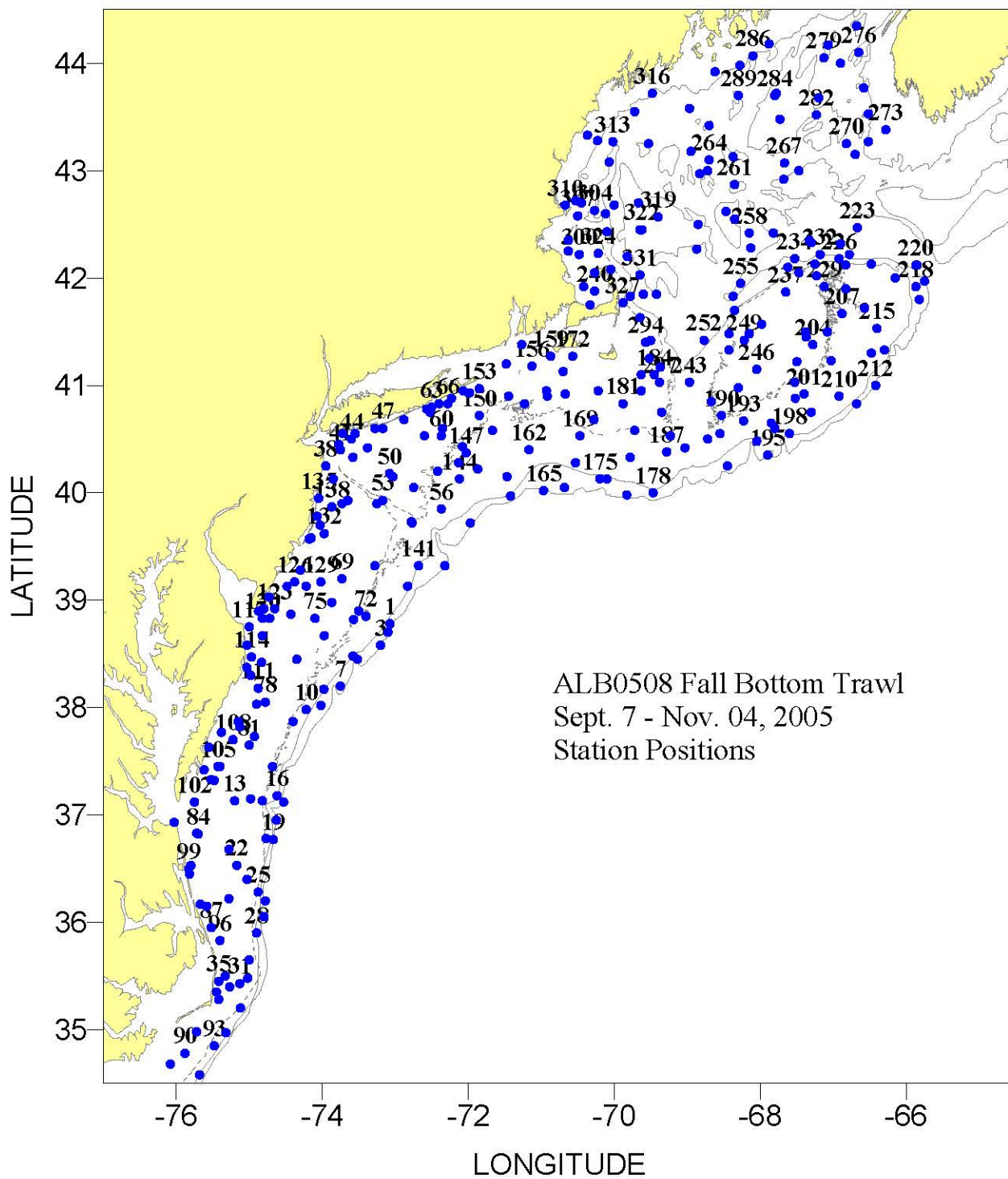


*Oceans and Climate Branch CTD Data Report
2005 Fall Bottom Trawl Survey ALB0508*

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

DATE: Decenber 27, 2005



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the 2005 Fall Bottom Trawl Survey ALB0508

		SURFACE						BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
Gulf of Maine East														
ALB0508	291	31	13.29	0.91	0.18	1.33	0	29	8.75	-0.09	0.19	1.43	0	10
ALB0508	291	31	32.21	-0.38	0.14	0.45	0	29	34.21	0.12	0.11	0.44	0	10
Gulf of Maine West														
ALB0508	300	43	11.70	0.35	0.16	0.76	0	41	8.04	0.48	0.14	0.97	0	10
ALB0508	300	43	31.95	-0.67	0.10	0.57	0	41	33.52	-0.10	0.08	0.39	0	10
Georges Bank														
ALB0508	283	47	17.08	2.10	0.15	1.62	0	42	12.39	-0.02	0.18	1.62	0	10
ALB0508	283	46	32.35	-0.40	0.09	0.55	0	42	32.76	-0.27	0.11	0.49	0	10
MAB North														
ALB0508	270	55	20.54	2.54	0.19	1.29	0	50	11.61	-0.63	0.23	2.68	0	10
ALB0508	270	55	32.17	-0.45	0.12	0.51	0	49	32.84	-0.56	0.13	0.60	0	10
MAB South														
ALB0508	261	75	23.85	2.22	0.15	1.36	0	70	14.02	0.08	0.19	2.93	0	10
ALB0508	261	75	31.78	-0.41	0.11	1.15	0	70	32.27	-0.79	0.11	1.17	0	10

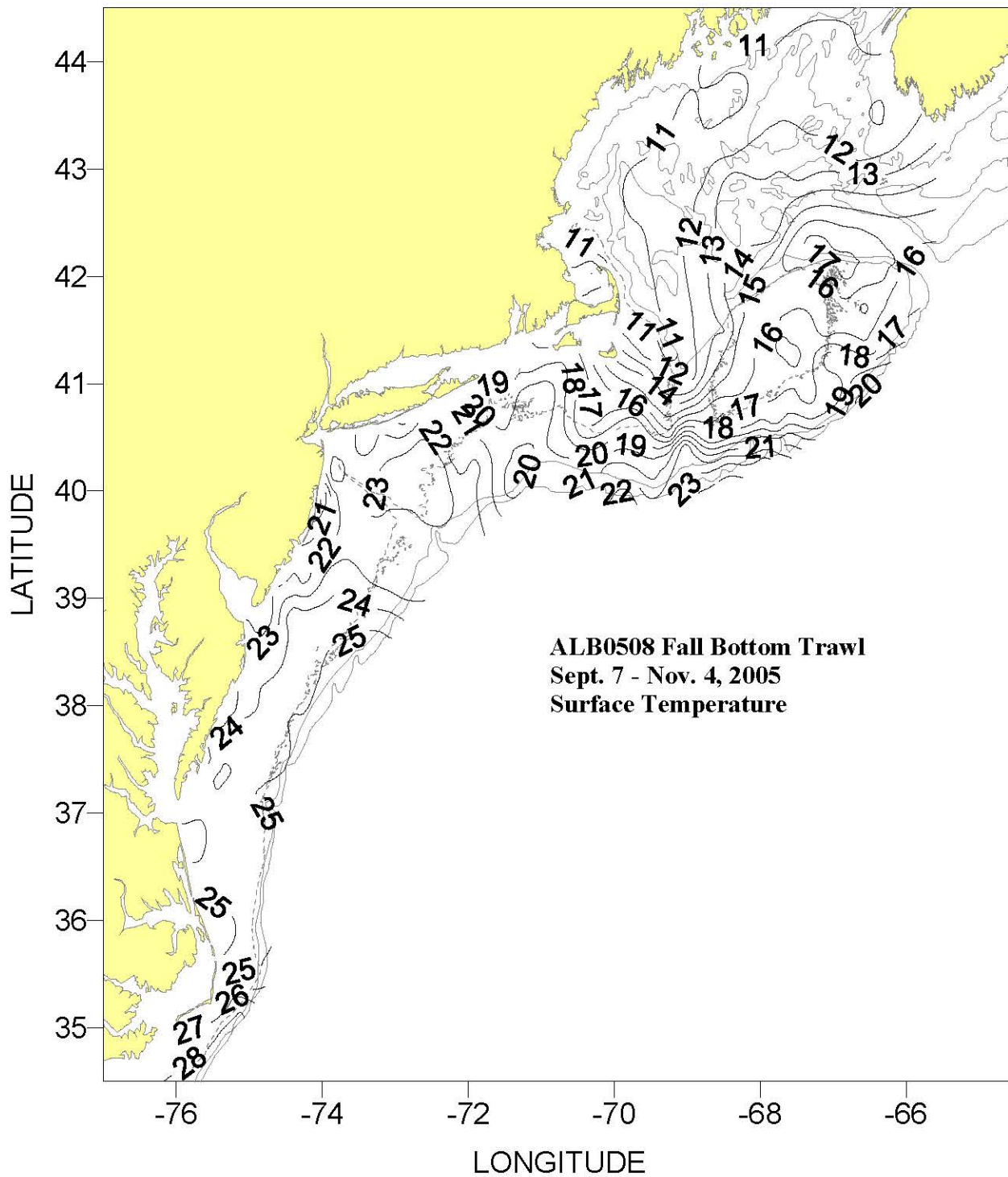
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

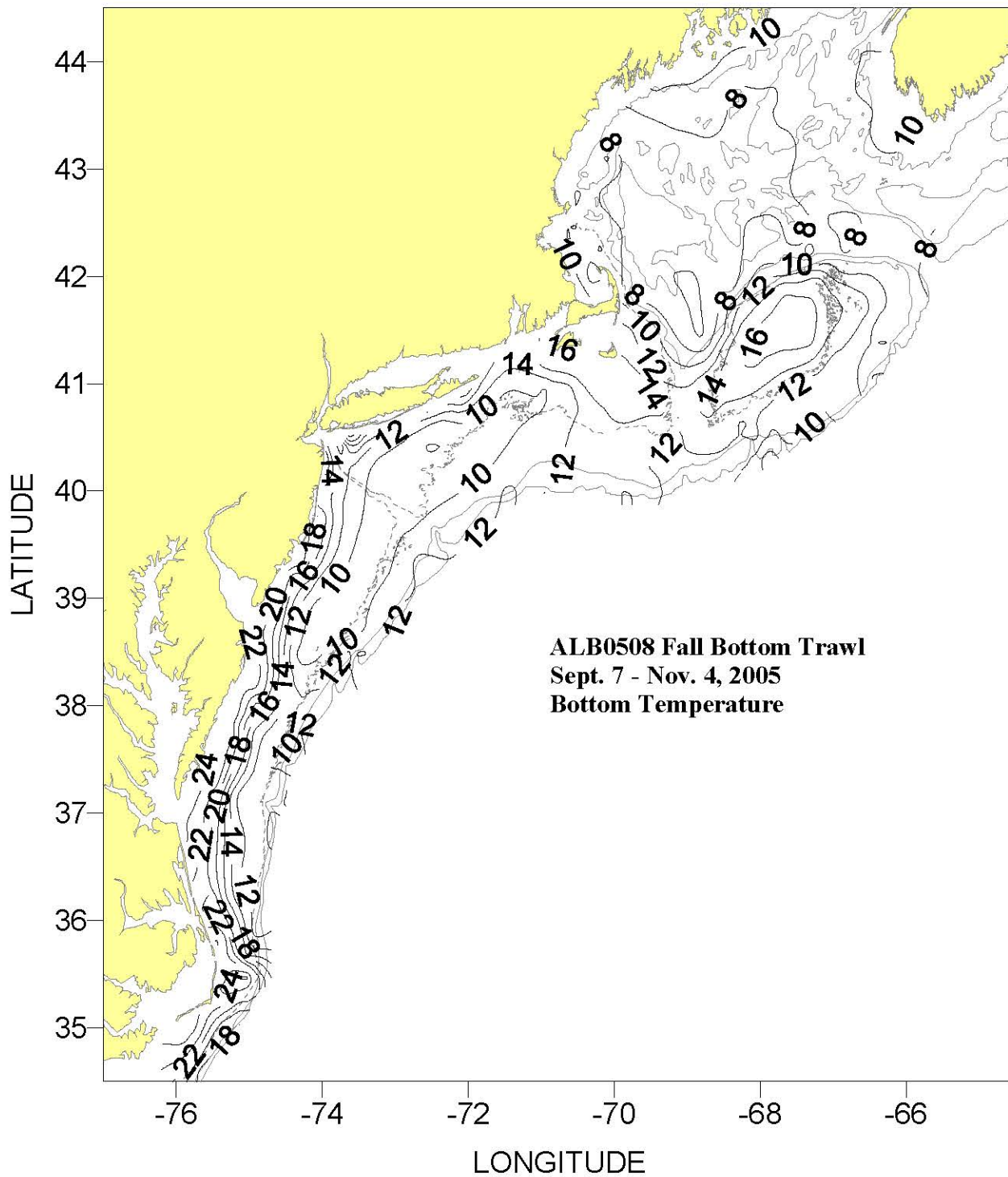
"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

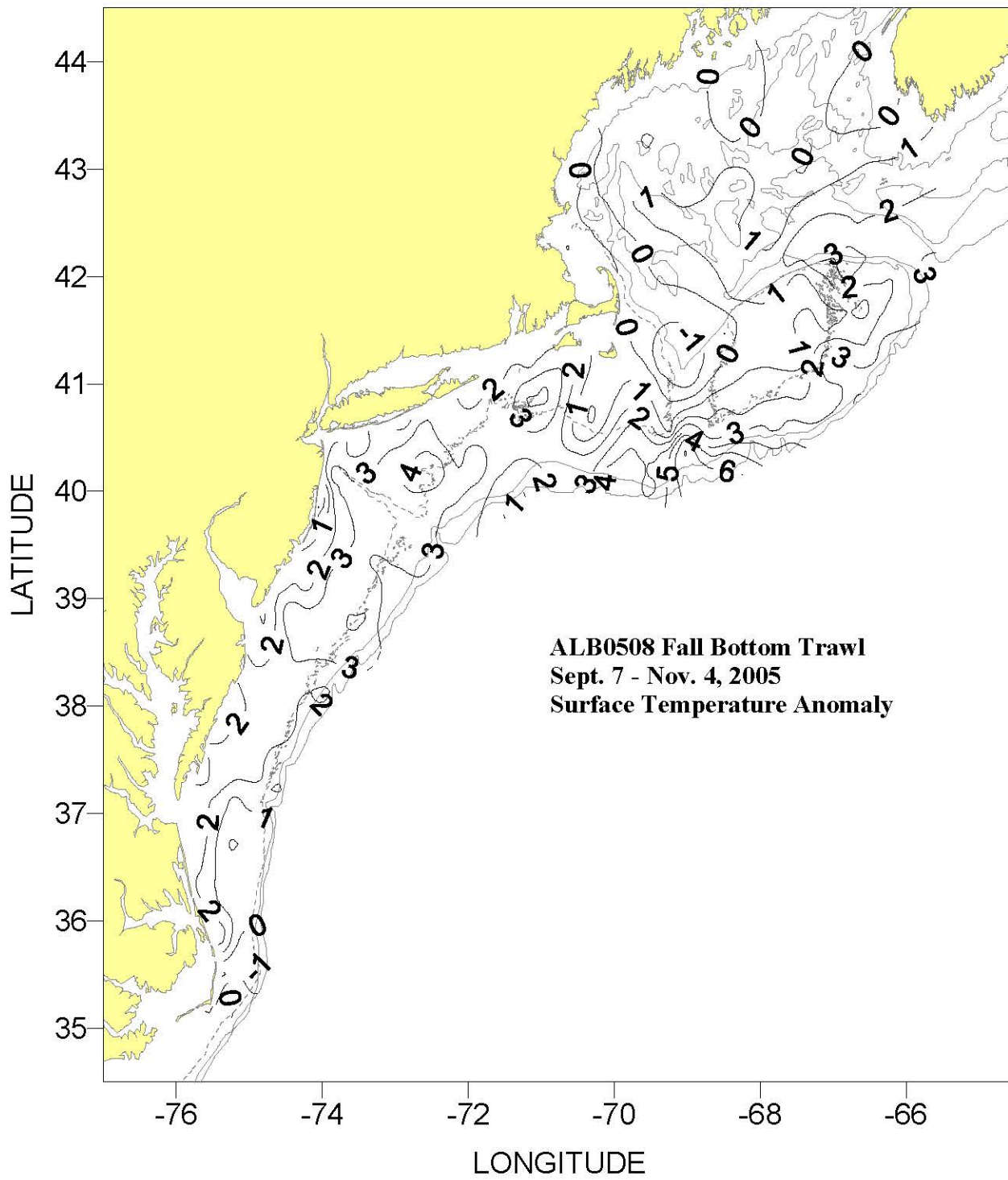
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

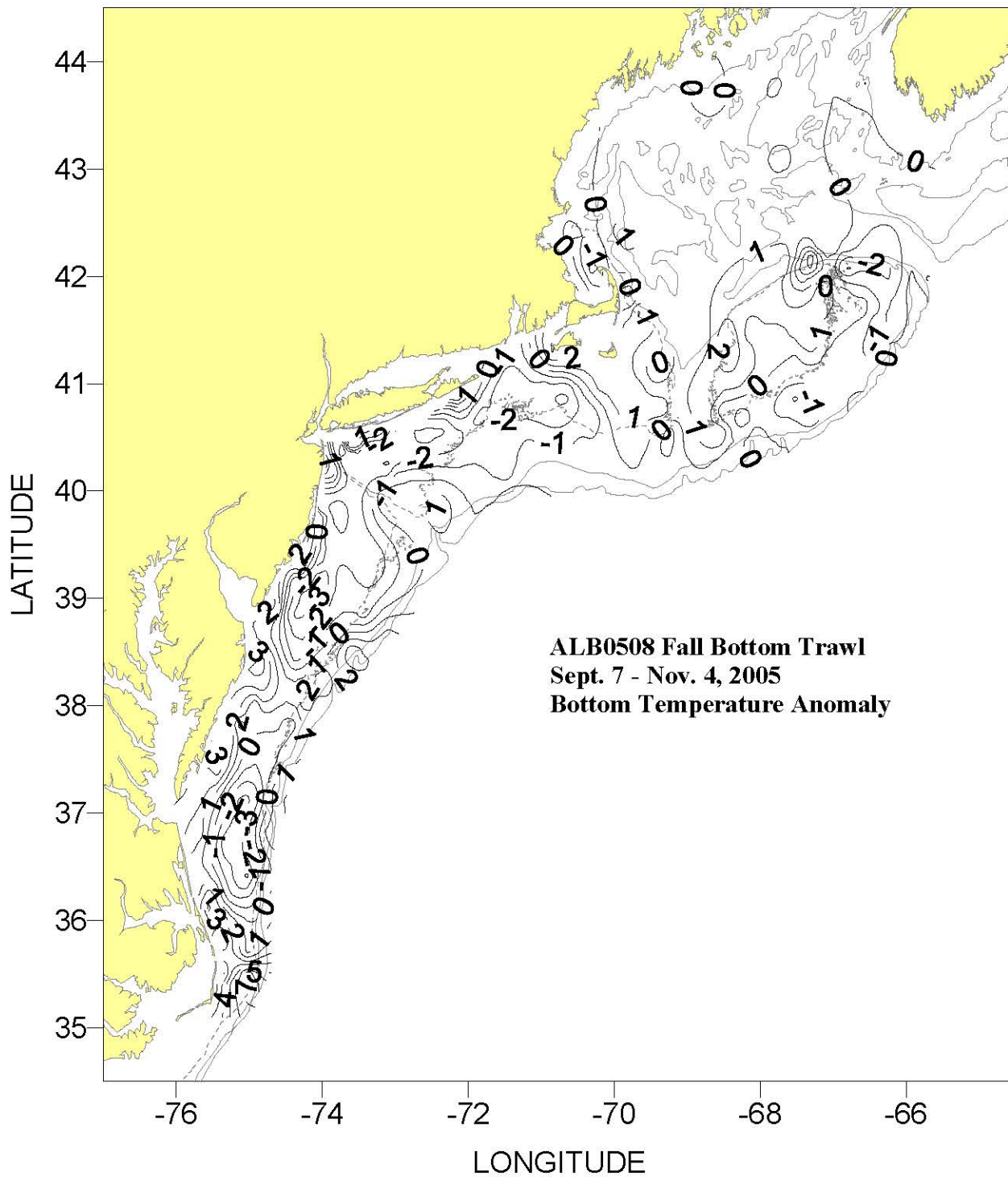
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

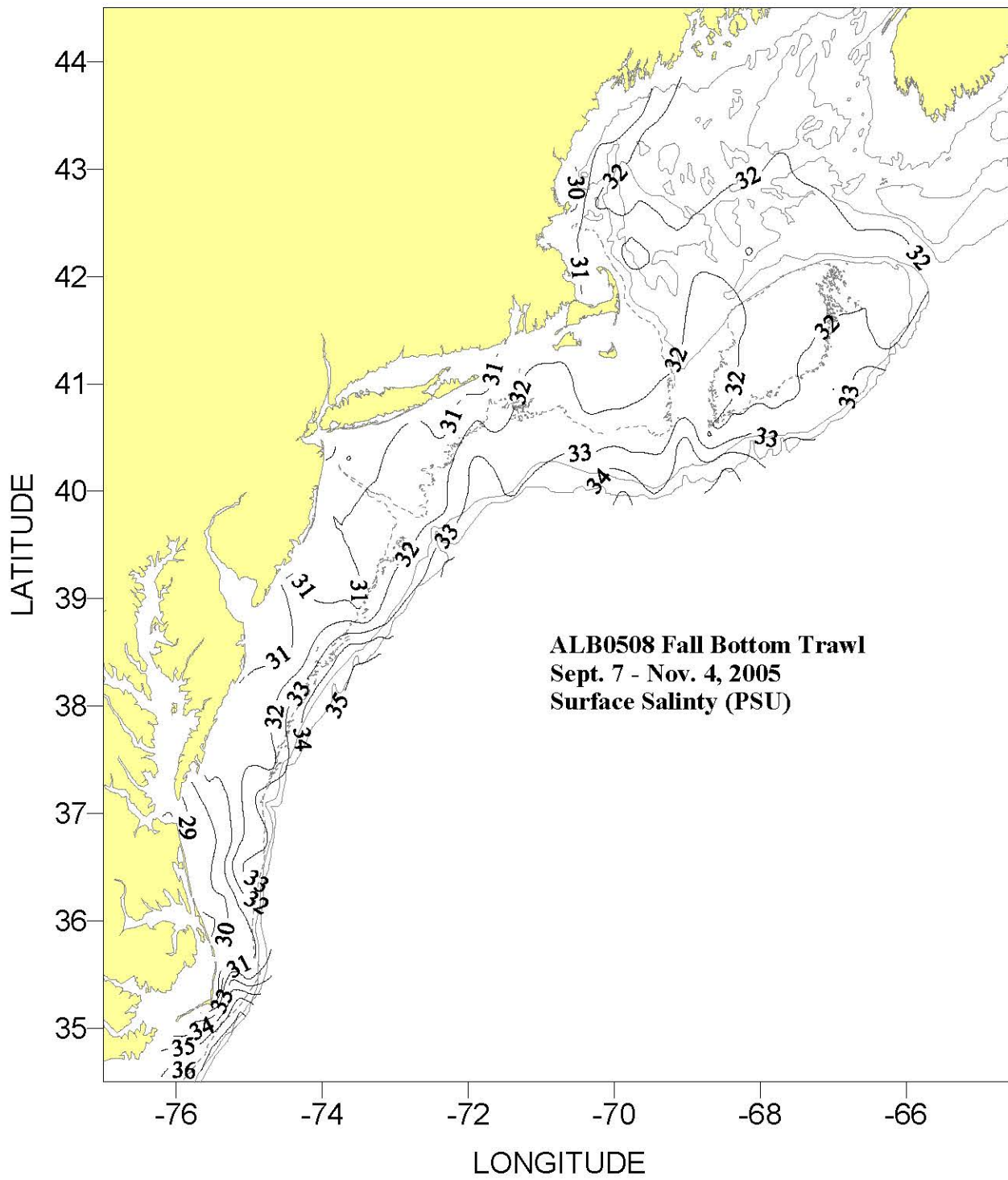
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

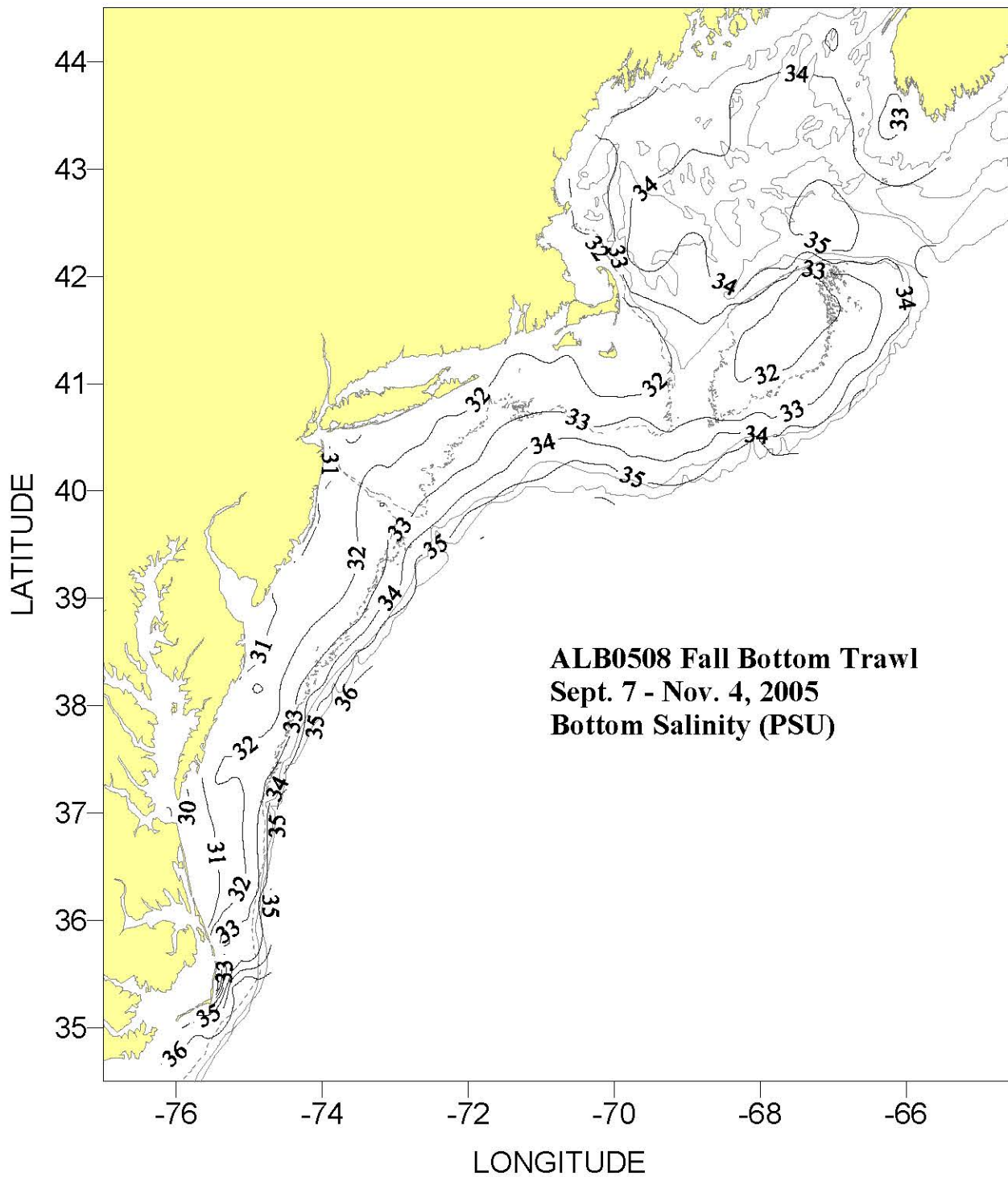


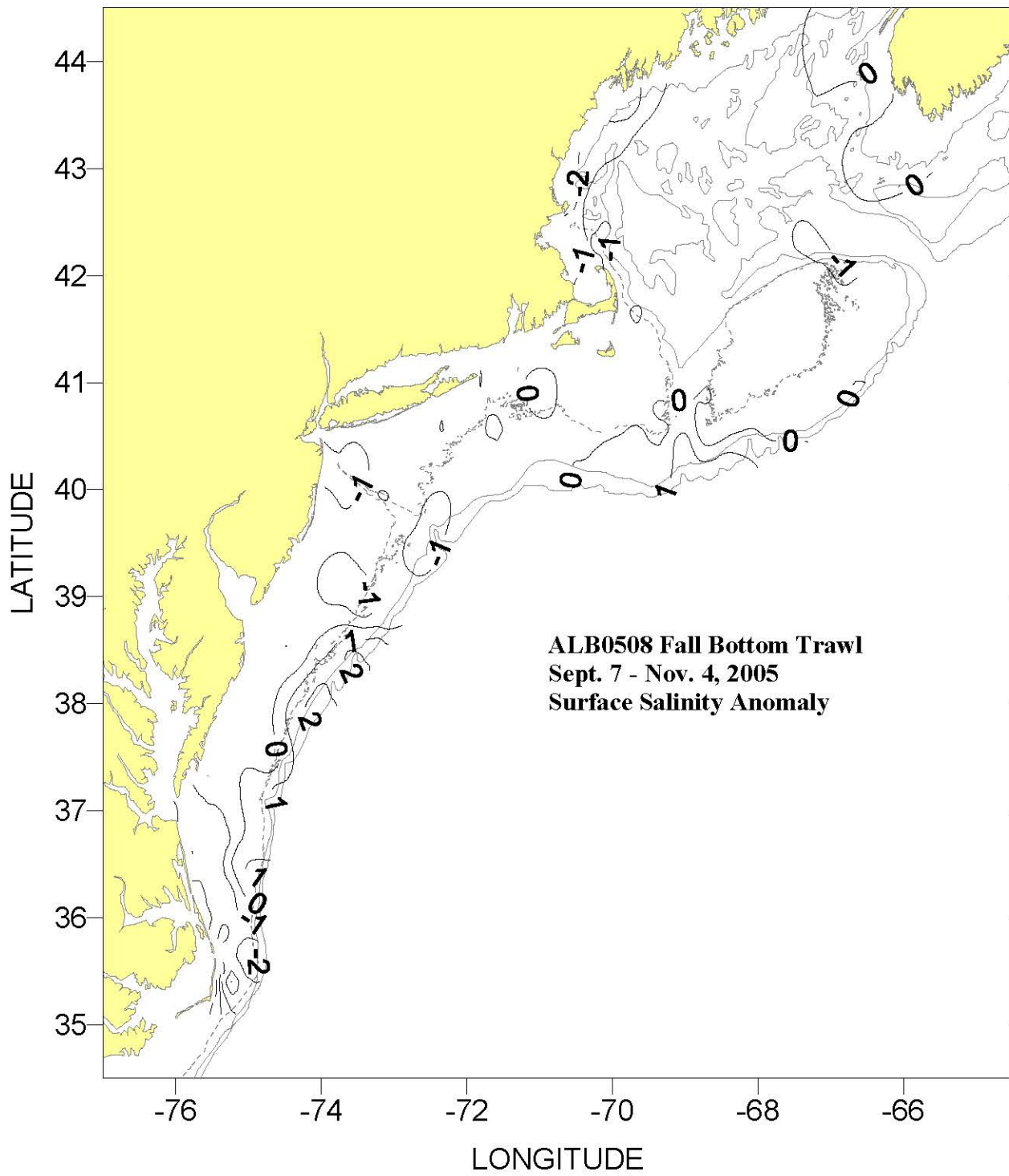


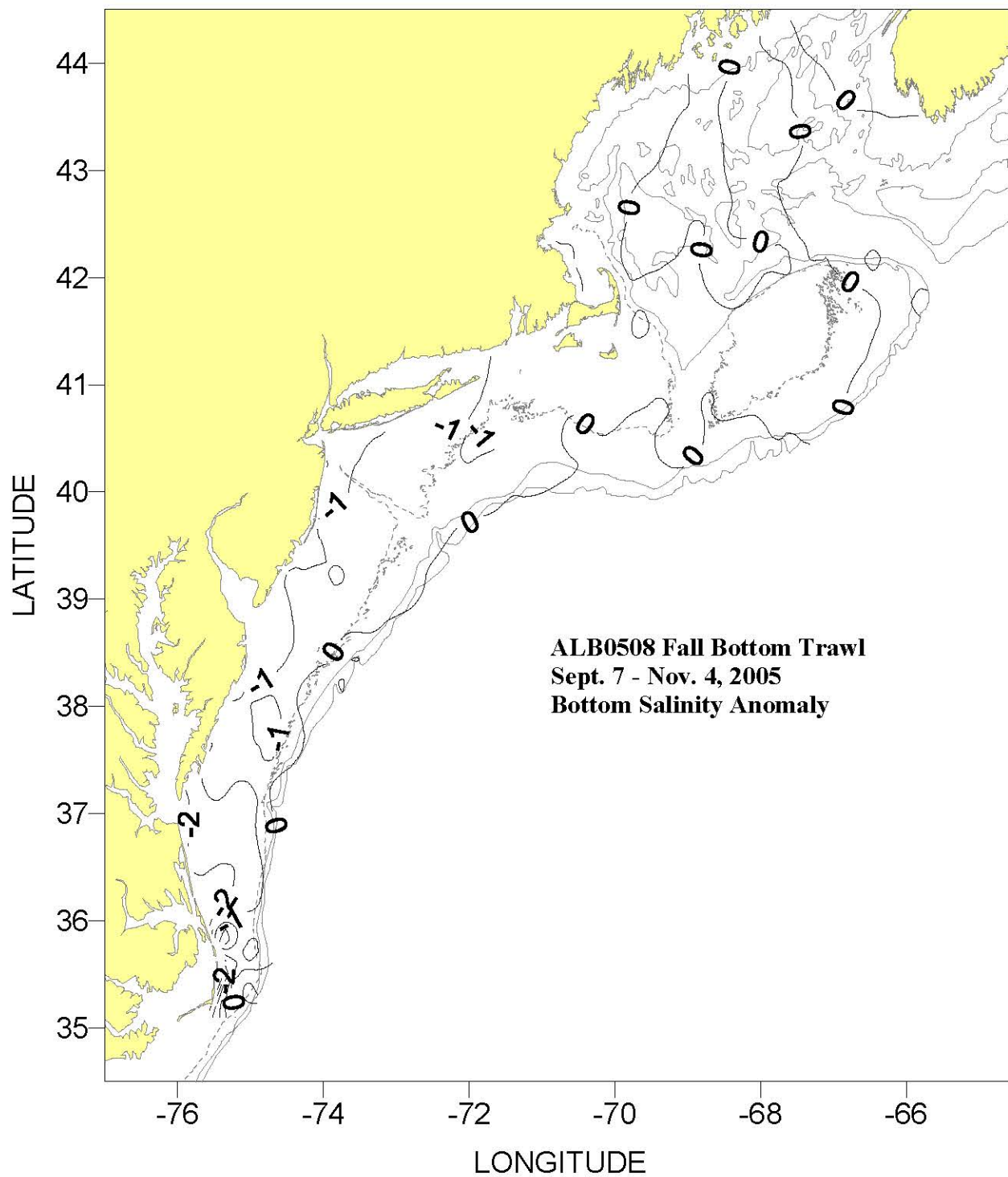












ALB0508 Fall Bottom Trawl

Sept. 7 - Nov. 4, 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	3847.00	7304.20	7	9	2005	16:04	134	24.55	33.15	13.20	35.27	1
2	2	3842.50	7306.90	7	9	2005	17:23	144	24.66	33.06	14.07	35.77	5
3	3	3835.60	7312.10	7	9	2005	19:37	237	25.62	34.73	10.50	35.36	1
4	3	3835.40	7312.10	7	9	2005	19:58	233	25.62	34.74	12.18	35.49	30
5	4	3827.80	7331.60	7	9	2005	23:06	295	25.64	34.79	9.74	35.27	2
6	6	3829.30	7335.90	8	9	2005	4:10	71	25.43	34.90	12.52	34.47	4
7	7	3812.30	7345.20	8	9	2005	7:10	115	25.33	34.67	13.40	35.51	4
8	8	3810.50	7359.60	8	9	2005	9:07	69	25.06	34.37	11.66	33.85	3
9	9	3801.10	7401.10	8	9	2005	11:00	110	25.31	34.74	13.54	35.24	5
10	10	3759.70	7413.50	8	9	2005	12:58	70	24.86	33.99	12.53	34.08	4
11	11	3752.50	7424.50	8	9	2005	16:02	63	25.07	33.60	9.14	32.48	4
12	12	3727.50	7441.50	8	9	2005	18:58	52	24.35	31.52	9.41	32.46	3
13	13	3708.70	7512.10	8	9	2005	22:53	31	23.96	31.29	11.92	31.53	4
14	14	3709.30	7459.10	9	9	2005	0:36	41	24.94	32.83	10.26	32.29	4
15	15	3708.60	7449.90	9	9	2005	2:00	58	25.09	33.27	9.76	32.72	5
16	16	3711.70	7437.90	9	9	2005	3:43	86	25.52	33.86	13.30	34.65	5
17	17	3707.20	7432.70	9	9	2005	5:46	270	25.59	33.54	9.12	35.21	2
18	18	3657.50	7438.30	9	9	2005	8:03	130	25.55	33.94	12.89	35.10	5
19	19	3646.40	7440.30	9	9	2005	9:58	110	24.57	33.48	12.88	34.84	4
20	20	3647.30	7446.70	9	9	2005	11:46	67	24.14	32.57	11.53	33.63	3
21	21	3641.80	7517.40	9	9	2005	15:18	24	24.19	30.52	15.02	31.36	4
22	22	3632.40	7510.00	9	9	2005	17:07	34	24.70	32.79	12.98	31.55	3
23	23	3624.60	7502.50	9	9	2005	18:47	41	24.37	33.20	10.90	32.01	5
24	24	3613.00	7517.80	9	9	2005	21:15	31	24.85	30.04	15.31	31.47	4
25	25	3617.10	7453.10	10	9	2005	0:07	63	24.58	33.46	10.21	32.47	4
26	26	3612.20	7447.20	10	9	2005	1:45	139	24.84	99.99	12.43	35.27	3
27	27	3603.60	7448.40	10	9	2005	3:43	178	24.19	31.12	12.07	35.36	34
28	28	3554.90	7454.50	10	9	2005	6:10	84	24.90	31.22	10.76	33.21	4
29	29	3539.30	7500.70	10	9	2005	8:30	46	24.48	30.59	15.39	33.06	4
30	30	3529.10	7501.20	10	9	2005	11:46	38	24.62	31.37	28.51	36.02	3
31	31	3526.90	7508.40	10	9	2005	13:31	30	25.07	99.99	28.33	35.93	3

ALB0508 Fall Bottom Trawl

Sept. 7 - Nov. 4, 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
32	32	3524.40	7516.50	10	9	2005	14:52	26	26.50	33.84	28.12	35.70	4
33	33	3521.10	7527.90	10	9	2005	16:55	13	25.03	28.65	25.03	28.65	3
34	35	3527.60	7525.80	10	9	2005	21:16	16	25.05	29.60	25.03	29.77	4
35	36	3530.10	7520.30	10	9	2005	22:49	21	24.66	30.97	24.68	30.97	4
36	37	4008.10	7351.10	12	9	2005	22:04	25	23.67	30.28	15.49	31.00	5
37	38	4015.50	7357.50	12	9	2005	23:55	16	22.54	30.00	20.96	30.36	4
38	39	4033.90	7343.60	13	9	2005	2:31	12	22.33	30.35	19.71	30.97	3
39	40	4027.60	7346.90	13	9	2005	4:16	28	22.71	29.81	9.87	31.51	5
40	41	4024.70	7345.30	13	9	2005	5:37	27	22.84	30.21	10.27	31.54	4
41	42	4020.60	7335.70	13	9	2005	7:26	24	22.03	29.84	13.05	99.99	5
42	43	4025.80	7323.60	13	9	2005	9:07	27	21.53	30.61	12.52	31.56	4
43	44	4030.40	7336.40	13	9	2005	10:56	18	22.42	30.57	21.44	30.60	3
44	45	4033.20	7333.80	13	9	2005	12:22	12	21.90	30.45	21.11	30.65	3
45	46	4036.00	7317.50	13	9	2005	14:49	16	21.90	30.64	16.54	31.23	3
46	47	4036.30	7310.50	13	9	2005	16:10	19	21.93	30.67	15.36	31.31	5
47	48	4041.60	7253.80	13	9	2005	18:13	20	20.20	30.88	13.19	31.65	4
48	49	4032.00	7236.30	13	9	2005	20:37	43	23.03	31.28	8.45	31.83	6
49	50	4011.90	7305.30	14	9	2005	0:19	42	23.38	31.22	7.99	32.02	4
50	51	4009.50	7302.10	14	9	2005	1:31	46	23.43	31.56	8.22	32.11	4
51	52	3954.50	7315.50	14	9	2005	3:58	54	23.52	31.46	9.52	32.97	9
52	53	3956.30	7310.00	14	9	2005	6:46	81	23.08	30.89	9.65	33.02	2
53	54	3944.90	7247.70	14	9	2005	9:46	68	22.67	31.78	9.57	33.01	4
54	55	3943.80	7246.30	14	9	2005	11:03	68	22.72	31.72	9.47	33.00	3
55	56	3951.60	7222.00	14	9	2005	13:48	74	23.56	31.60	10.08	33.52	4
56	58	4003.20	7245.60	14	9	2005	18:08	56	23.86	31.63	9.19	32.68	4
57	59	4012.70	7225.40	14	9	2005	20:34	62	23.98	31.63	8.54	32.50	4
58	60	4032.30	7222.70	14	9	2005	23:16	47	21.52	30.79	8.35	32.21	4
59	61	4036.20	7221.20	15	9	2005	0:41	47	21.92	30.68	8.56	32.30	4
60	62	4045.50	7231.20	15	9	2005	2:34	26	21.81	30.76	13.45	31.54	4
61	63	4048.50	7230.00	15	9	2005	3:37	17	21.45	30.80	18.86	30.98	3
62	64	4047.90	7234.60	15	9	2005	4:49	13	21.58	30.76	18.90	31.09	5

ALB0508 Fall Bottom Trawl

Sept. 7 - Nov. 4, 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
63	65	4050.90	7224.30	15	9	2005	6:19	15	20.68	30.88	17.57	31.13	4
64	66	4050.90	7217.00	15	9	2005	7:40	27	21.73	30.82	13.84	31.62	3
65	67	4053.60	7214.70	15	9	2005	8:46	21	21.44	30.85	18.09	31.13	4
66	68	4057.60	7204.30	15	9	2005	10:13	19	20.27	30.64	18.71	30.82	4
67	69	3912.00	7344.80	21	9	2005	11:06	43	23.84	30.72	10.07	31.73	6
68	70	3859.90	7352.70	21	9	2005	13:11	38	24.01	30.79	9.74	31.84	5
69	71	3854.60	7330.40	21	9	2005	16:06	55	24.13	30.94	8.99	32.62	2
70	72	3851.10	7324.50	21	9	2005	17:22	67	24.31	31.14	9.70	33.05	6
71	73	3849.10	7334.80	21	9	2005	19:01	55	24.62	31.74	8.94	32.55	3
72	74	3840.60	7358.80	21	9	2005	21:49	47	24.70	32.17	8.85	32.16	6
73	75	3850.80	7406.40	21	9	2005	23:40	42	24.39	31.17	9.13	31.93	4
74	76	3852.00	7426.90	22	9	2005	2:10	27	24.48	31.01	13.99	31.50	4
75	77	3827.20	7421.60	22	9	2005	5:26	47	24.55	31.06	9.59	32.14	5
76	78	3803.80	7447.70	22	9	2005	9:01	25	24.62	31.30	19.05	31.49	6
77	79	3749.60	7508.90	22	9	2005	11:46	21	24.61	31.30	20.03	31.91	3
78	80	3744.60	7456.20	22	9	2005	13:40	27	24.62	31.59	13.45	31.94	4
79	81	3739.30	7500.00	22	9	2005	14:58	29	24.83	31.70	14.95	32.16	2
80	82	3727.40	7524.00	22	9	2005	17:49	24	25.23	31.92	23.56	32.18	6
81	83	3719.80	7529.50	22	9	2005	19:22	19	25.43	30.57	24.67	32.20	4
82	84	3649.50	7542.30	22	9	2005	23:13	18	25.35	29.27	23.97	30.37	2
83	85	3632.10	7548.70	23	9	2005	1:58	13	25.07	28.98	23.31	30.82	1
84	86	3609.40	7535.20	23	9	2005	5:18	20	25.12	29.98	24.46	30.28	3
85	87	3557.50	7531.30	23	9	2005	7:43	20	25.42	28.30	23.17	30.62	4
86	88	3517.10	7525.00	23	9	2005	12:33	18	25.18	30.68	26.40	33.19	3
87	89	3459.40	7543.90	23	9	2005	16:04	27	26.80	33.83	26.41	35.93	2
88	90	3447.20	7553.60	23	9	2005	18:10	31	27.38	34.77	25.47	36.04	3
89	91	3441.60	7605.80	23	9	2005	19:58	33	27.71	35.96	24.35	36.27	4
90	92	3435.90	7541.40	23	9	2005	22:42	144	28.40	35.91	17.78	36.22	2
91	93	3451.00	7529.60	24	9	2005	0:56	97	28.08	36.02	18.26	36.26	3
92	94	3458.20	7519.00	24	9	2005	2:49	144	28.35	36.08	17.15	36.25	5
93	95	3512.30	7507.50	24	9	2005	5:07	80	27.90	35.92	20.58	36.24	6

ALB0508 Fall Bottom Trawl

Sept. 7 - Nov. 4, 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
94	96	3550.40	7524.00	24	9	2005	10:01	27	25.69	30.09	26.70	35.33	3
95	97	3610.40	7540.50	24	9	2005	13:03	21	25.51	29.17	19.28	31.03	5
96	98	3627.70	7549.10	24	9	2005	15:34	13	24.42	29.75	23.27	30.34	2
97	99	3630.30	7550.10	24	9	2005	17:06	12	24.41	30.10	24.43	30.09	3
98	100	3650.20	7543.20	24	9	2005	20:07	21	25.16	29.74	23.01	30.91	4
99	101	3656.80	7602.70	24	9	2005	22:58	13	24.95	27.80	24.62	28.89	2
100	102	3707.90	7545.20	25	9	2005	2:19	12	24.59	29.61	24.43	30.25	1
101	103	3725.10	7537.40	25	9	2005	5:28	12	23.96	31.18	24.01	31.17	5
102	104	3720.10	7531.60	25	9	2005	8:01	15	24.27	31.48	24.28	31.48	3
103	105	3727.60	7526.90	25	9	2005	9:33	18	23.95	31.62	23.96	31.62	4
104	106	3738.60	7533.00	25	9	2005	11:53	10	24.03	31.06	23.98	31.09	1
105	107	3746.40	7523.90	25	9	2005	13:40	12	22.81	31.47	22.78	31.47	1
106	108	3742.70	7513.20	25	9	2005	15:19	26	24.11	31.55	22.84	31.54	4
107	109	3752.50	7509.90	25	9	2005	17:00	22	23.11	31.42	22.92	31.45	3
108	110	3802.80	7454.90	25	9	2005	19:13	27	23.51	31.36	18.35	31.62	3
109	111	3811.30	7453.60	25	9	2005	21:31	22	23.81	31.64	22.84	32.54	3
110	112	3818.40	7459.60	25	9	2005	23:28	17	23.14	30.96	22.93	30.96	3
111	113	3825.30	7450.50	26	9	2005	1:12	18	22.72	30.78	22.28	30.77	4
112	114	3828.20	7458.10	26	9	2005	2:57	18	22.73	30.64	22.47	30.91	2
113	115	3822.30	7502.70	26	9	2005	5:04	12	23.34	30.76	23.34	30.76	4
114	116	3835.30	7502.10	26	9	2005	7:04	12	22.67	30.46	22.67	30.47	3
115	117	3845.80	7500.60	26	9	2005	8:49	26	22.04	30.35	21.62	30.57	5
116	118	3840.40	7449.00	26	9	2005	11:21	16	21.91	30.64	20.01	30.92	4
117	119	3850.50	7443.60	26	9	2005	13:04	20	21.58	30.80	20.67	30.94	4
118	120	3850.20	7449.40	26	9	2005	14:43	13	21.36	30.73	21.29	30.75	3
119	121	3854.60	7452.60	26	9	2005	16:25	12	21.98	30.92	21.64	30.96	2
120	122	3855.70	7448.40	26	9	2005	17:49	11	21.42	30.99	21.37	31.00	3
121	123	3855.20	7439.70	26	9	2005	19:13	15	22.05	30.82	22.04	30.83	4
122	124	3902.10	7444.30	26	9	2005	20:38	13	21.89	31.01	21.89	31.01	4
123	125	3908.60	7429.50	26	9	2005	22:57	20	21.99	31.03	18.36	31.21	4
124	126	3910.50	7423.10	27	9	2005	0:19	20	22.23	30.99	15.61	31.40	3

ALB0508 Fall Bottom Trawl

Sept. 7 - Nov. 4, 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
125	127	3917.10	7418.30	27	9	2005	1:46	16	21.94	31.02	21.25	31.06	4
126	128	3908.20	7413.40	27	9	2005	4:04	19	21.61	31.05	13.94	31.58	4
127	129	3910.80	7401.30	27	9	2005	5:52	29	22.93	30.79	10.92	31.65	3
128	130	3934.70	7411.30	27	9	2005	8:58	13	20.73	30.87	20.63	30.91	5
129	131	3935.50	7409.80	27	9	2005	10:33	16	20.64	30.89	19.51	31.00	5
130	132	3937.90	7358.10	27	9	2005	12:07	23	21.07	30.97	15.53	31.16	5
131	133	3942.70	7402.50	27	9	2005	13:25	14	20.95	30.89	19.98	31.02	4
132	134	3947.80	7404.30	27	9	2005	14:46	11	19.06	30.83	16.93	30.89	4
133	135	3957.80	7403.00	27	9	2005	17:01	17	17.44	99.99	14.65	31.07	4
134	136	3956.60	7339.90	27	9	2005	19:49	32	22.22	30.79	11.83	31.46	4
135	137	3954.80	7344.50	27	9	2005	21:07	31	22.35	30.75	12.13	31.44	5
136	138	3952.40	7352.70	28	9	2005	0:10	26	21.30	31.02	14.13	31.29	5
137	139	3919.60	7317.50	28	9	2005	4:11	53	22.15	31.56	8.57	32.32	3
138	140	3908.00	7250.90	28	9	2005	7:01	87	22.27	32.62	11.25	34.15	5
139	141	3919.20	7241.20	28	9	2005	9:13	112	22.40	32.22	12.67	35.36	3
140	142	3919.80	7219.80	28	9	2005	11:49	175	22.26	34.06	12.07	35.49	3
141	143	3943.60	7158.40	28	9	2005	15:37	166	22.44	33.50	11.82	35.45	5
142	144	4008.00	7207.70	28	9	2005	19:40	66	22.09	32.50	9.22	33.11	5
143	145	4013.50	7152.70	28	9	2005	21:34	76	22.38	33.40	9.03	33.04	6
144	146	4017.90	7208.20	28	9	2005	23:55	61	21.14	32.20	8.78	32.78	5
145	147	4022.80	7202.40	29	9	2005	1:53	63	21.70	32.53	8.64	32.61	5
146	148	4026.30	7205.60	29	9	2005	3:17	59	20.96	32.10	8.69	32.56	4
147	149	4035.80	7140.20	29	9	2005	6:49	73	20.04	31.74	8.64	32.88	6
148	150	4043.10	7151.90	29	9	2005	8:52	51	20.28	31.99	9.63	32.37	5
149	151	4056.90	7200.20	29	9	2005	11:08	26	18.67	31.02	17.19	31.25	6
150	152	4056.00	7159.70	29	9	2005	12:45	27	18.66	30.93	16.24	31.45	1
151	153	4058.20	7151.60	29	9	2005	14:07	30	18.85	30.55	13.96	31.70	3
152	154	4054.80	7127.10	29	9	2005	17:04	57	18.67	31.62	9.68	32.43	5
153	155	4050.30	7114.40	29	9	2005	19:23	57	21.01	32.28	9.55	32.57	7
154	156	4111.20	7108.20	29	9	2005	23:43	36	18.28	31.89	13.24	32.11	6
155	157	4112.90	7129.00	30	9	2005	2:40	37	18.56	31.34	12.91	32.03	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
156	158	4123.80	7116.50	30	9	2005	5:49	28	18.54	31.42	14.80	31.83	4
159	159	4116.50	7052.10	3	10	2005	21:58	27	18.33	31.65	17.68	31.75	5
160	160	4057.00	7056.80	4	10	2005	1:19	52	20.49	32.78	9.91	32.49	4
161	161	4054.30	7055.30	4	10	2005	2:47	54	20.70	32.93	10.21	32.49	4
162	162	4024.60	7110.10	4	10	2005	6:52	80	19.93	32.55	11.59	34.00	2
163	163	4009.20	7128.80	4	10	2005	9:45	86	19.87	32.86	11.50	34.14	5
164	164	3958.70	7125.50	4	10	2005	11:49	138	19.70	32.86	12.47	35.42	4
165	165	4001.00	7058.20	4	10	2005	15:04	266	20.68	33.46	9.63	35.25	2
166	166	4003.40	7041.60	4	10	2005	17:21	133	20.81	33.30	12.84	35.56	1
167	167	4017.90	7032.80	4	10	2005	19:47	99	20.07	33.32	12.48	34.97	4
168	169	4032.60	7028.90	4	10	2005	23:07	64	17.75	32.19	12.94	33.73	4
169	170	4055.90	7040.20	5	10	2005	2:30	50	18.98	32.14	10.46	32.37	4
170	171	4108.30	7042.40	5	10	2005	4:52	37	19.38	32.21	14.69	32.27	6
171	172	4116.40	7034.60	5	10	2005	6:34	24	18.19	31.62	17.40	32.00	3
172	173	4057.00	7013.20	5	10	2005	9:46	30	16.59	31.76	15.35	31.87	5
173	174	4041.60	7017.60	5	10	2005	12:00	47	16.32	32.01	12.23	32.42	4
174	175	4008.80	7012.00	5	10	2005	16:06	113	20.83	33.67	13.19	35.44	3
175	176	4008.80	7006.00	5	10	2005	17:22	115	22.05	34.33	12.54	35.54	4
176	177	3959.10	6950.50	5	10	2005	20:08	211	23.34	35.14	11.92	35.48	1
177	178	4000.90	6928.80	5	10	2005	23:30	102	21.14	33.77	12.58	35.25	4
178	179	4020.90	6947.00	6	10	2005	2:52	75	20.07	32.93	12.41	33.82	5
179	180	4035.50	6943.80	6	10	2005	5:18	60	19.39	32.77	13.55	33.63	2
180	181	4050.40	6953.00	6	10	2005	7:43	35	16.22	31.78	15.46	32.09	5
181	182	4057.90	6938.90	6	10	2005	10:04	31	14.79	31.69	14.77	31.68	4
182	183	4106.40	6938.30	6	10	2005	12:07	28	14.00	31.58	13.88	31.59	2
183	184	4106.80	6927.90	6	10	2005	14:01	30	13.44	31.67	12.67	31.82	4
184	185	4045.10	6921.40	6	10	2005	17:13	47	14.92	32.53	14.70	32.57	3
185	186	4032.50	6914.80	6	10	2005	19:13	63	15.76	32.70	10.99	32.99	3
186	187	4023.30	6917.70	6	10	2005	20:46	77	19.46	32.90	10.70	33.44	2
187	188	4025.70	6902.90	6	10	2005	22:38	79	22.72	34.77	12.07	33.71	4
188	189	4030.80	6843.60	7	10	2005	1:01	70	17.76	31.91	12.68	33.43	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
189	190	4043.40	6832.40	7	10	2005	3:10	57	17.20	31.95	12.99	32.20	3
190	191	4033.10	6833.10	7	10	2005	5:16	74	17.41	31.95	13.32	34.21	5
191	192	4015.50	6827.20	7	10	2005	7:45	148	23.32	35.05	11.04	35.40	5
192	193	4040.10	6814.50	7	10	2005	11:31	76	16.77	32.03	11.65	32.78	5
193	194	4029.20	6803.80	7	10	2005	13:37	124	20.05	33.38	12.77	35.34	1
194	195	4021.00	6754.30	7	10	2005	15:49	306	22.91	33.45	9.88	35.28	105
195	195	4021.00	6754.40	7	10	2005	16:25	272	23.13	34.41	7.04	35.09	3
196	196	4039.30	6751.60	7	10	2005	19:30	82	18.02	32.15	10.43	33.07	3
197	197	4036.70	6748.00	7	10	2005	20:42	81	17.59	32.04	10.12	33.01	1
198	198	4033.50	6736.70	7	10	2005	22:19	110	19.95	32.90	11.51	34.38	5
199	199	4045.60	6718.90	8	10	2005	1:06	94	17.03	99.99	9.44	33.06	5
200	200	4053.00	6731.80	8	10	2005	3:42	75	17.05	31.96	10.10	32.89	5
201	201	4055.30	6724.00	8	10	2005	5:07	77	16.74	32.03	10.30	32.67	1
202	202	4102.70	6732.70	8	10	2005	6:46	62	17.10	31.97	12.55	32.13	5
203	203	4113.40	6730.90	8	10	2005	8:37	45	15.36	31.99	15.08	31.99	5
204	204	4123.50	6717.30	8	10	2005	11:16	45	16.48	31.97	16.27	31.97	4
205	205	4127.20	6722.40	8	10	2005	13:18	45	16.94	31.94	16.93	31.93	5
206	206	4130.50	6723.00	8	10	2005	14:55	47	16.83	31.89	16.81	31.95	2
207	207	4140.40	6653.10	8	10	2005	18:08	65	15.34	31.98	14.19	32.03	6
208	208	4130.00	6705.90	8	10	2005	20:31	54	15.21	32.00	14.55	32.01	3
209	209	4114.60	6702.70	8	10	2005	22:40	64	18.87	32.70	11.77	32.53	4
210	210	4054.00	6655.90	9	10	2005	1:49	91	17.17	31.86	10.84	33.46	4
211	211	4050.30	6641.90	9	10	2005	5:22	161	21.16	33.79	11.13	35.41	4
212	212	4100.40	6625.40	9	10	2005	8:22	339	21.22	33.85	11.83	35.49	138
213	212	4100.20	6625.40	9	10	2005	8:46	342	21.22	33.85	7.03	35.07	6
214	213	4118.40	6629.80	9	10	2005	13:07	93	16.24	99.99	9.65	33.02	5
215	214	4120.50	6618.20	9	10	2005	14:52	97	17.42	31.75	10.43	34.21	3
216	215	4132.60	6624.30	9	10	2005	16:55	87	16.25	31.84	9.21	32.95	2
217	216	4143.10	6634.80	9	10	2005	18:49	71	14.64	32.02	13.04	32.06	6
218	217	4148.50	6549.00	9	10	2005	23:43	127	16.63	31.95	8.82	34.02	5
219	218	4155.50	6552.70	10	10	2005	1:42	126	16.50	31.91	9.22	34.66	8

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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
220	219	4158.10	6545.90	10	10	2005	4:04	237	16.77	31.87	7.19	35.02	5
221	220	4207.20	6551.90	10	10	2005	7:48	243	16.55	32.01	8.15	35.07	46
222	220	4207.80	6552.80	10	10	2005	8:21	239	16.51	31.98	8.43	35.10	2
223	221	4200.70	6609.90	10	10	2005	11:37	90	15.84	31.66	9.20	33.48	6
224	222	4208.30	6629.70	10	10	2005	14:21	103	16.93	31.61	9.01	34.18	2
225	223	4228.70	6640.40	10	10	2005	18:02	304	15.85	32.10	7.84	35.04	7
226	224	4219.10	6654.80	10	10	2005	20:28	297	16.61	31.70	8.03	35.06	1
227	225	4213.90	6647.30	10	10	2005	22:31	233	16.99	31.51	7.99	35.03	4
228	226	4211.40	6655.50	11	10	2005	0:16	187	17.07	31.44	8.31	34.95	2
229	227	4207.10	6650.20	11	10	2005	2:05	66	17.43	31.38	7.81	33.53	6
230	228	4154.10	6650.00	11	10	2005	4:25	60	16.96	31.51	12.45	32.28	4
231	229	4155.50	6707.60	11	10	2005	6:19	53	15.40	31.79	14.13	31.98	5
232	230	4201.10	6714.90	11	10	2005	8:28	49	16.41	31.77	14.59	31.95	7
233	231	4208.40	6715.70	11	10	2005	10:36	100	17.03	31.58	6.78	32.85	3
234	232	4213.30	6711.20	11	10	2005	13:16	204	17.66	31.32	8.67	34.92	6
235	233	4221.10	6720.70	11	10	2005	16:32	313	17.15	99.99	8.72	34.87	116
237	233	4220.80	6718.90	11	10	2005	18:08	301	17.20	31.22	8.20	35.04	6
238	234	4211.00	6732.10	11	10	2005	21:13	204	16.99	31.55	8.49	34.53	6
239	235	4206.50	6737.70	11	10	2005	23:13	171	16.38	31.66	8.77	34.71	5
240	236	4203.20	6728.60	12	10	2005	1:16	56	15.28	31.87	11.76	32.15	5
241	237	4152.50	6739.90	12	10	2005	4:04	37	15.73	31.86	15.73	31.87	6
242	238	4203.10	7016.00	12	10	2005	18:36	56	13.24	31.10	6.29	31.74	2
243	239	4155.90	7025.60	12	10	2005	20:45	39	12.74	31.03	9.88	31.36	4
244	240	4153.00	7016.40	12	10	2005	22:58	32	12.22	31.16	8.38	31.43	4
245	241	4153.00	7016.10	13	10	2005	0:43	26	11.16	31.19	8.64	31.34	4
246	242	4145.10	7020.70	13	10	2005	4:09	13	10.82	31.02	10.83	31.04	2
247	243	4102.70	6858.40	18	10	2005	2:10	84	11.29	32.20	11.24	32.22	6
248	244	4051.10	6840.60	18	10	2005	4:49	58	15.88	32.89	15.90	32.90	5
249	245	4059.70	6818.90	18	10	2005	7:26	46	15.63	31.96	15.61	31.98	6
250	246	4109.90	6803.30	18	10	2005	9:53	47	16.03	31.93	16.03	31.94	6
251	247	4134.70	6759.10	18	10	2005	12:45	34	15.93	31.93	15.95	31.93	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
252	248	4129.10	6809.90	18	10	2005	14:46	48	15.46	31.97	15.48	31.98	1
253	249	4125.10	6813.20	18	10	2005	15:58	36	16.13	31.94	16.11	31.94	5
254	250	4120.10	6826.50	18	10	2005	17:52	61	14.21	32.11	14.05	32.14	4
255	251	4129.00	6826.80	18	10	2005	19:40	76	12.98	32.18	10.69	32.37	3
256	252	4125.20	6846.80	18	10	2005	21:49	133	12.74	32.27	5.51	32.84	4
257	253	4142.80	6821.50	19	10	2005	1:02	73	14.42	32.05	11.65	32.34	4
258	254	4150.30	6822.70	19	10	2005	2:35	210	14.67	32.01	8.02	34.49	5
259	255	4157.20	6816.60	19	10	2005	4:22	205	14.90	31.94	8.18	34.54	9
260	256	4217.70	6808.10	19	10	2005	7:37	186	13.99	32.05	8.34	34.60	3
261	257	4225.90	6749.60	19	10	2005	10:03	195	13.26	31.88	8.29	34.64	3
262	258	4225.70	6809.50	19	10	2005	12:19	175	13.26	31.81	8.30	34.51	6
263	259	4233.00	6821.70	19	10	2005	14:28	196	13.19	31.79	7.30	34.05	5
264	260	4237.40	6828.90	19	10	2005	16:04	211	13.46	31.79	7.67	34.38	3
265	261	4252.00	6821.60	19	10	2005	18:23	175	13.65	31.98	7.18	34.04	9
266	262	4258.00	6850.80	19	10	2005	21:49	176	11.50	32.42	7.40	34.12	4
267	263	4300.30	6843.60	19	10	2005	23:17	188	11.90	32.39	7.23	34.05	6
268	264	4306.90	6842.80	20	10	2005	1:07	176	11.70	32.50	7.21	34.03	6
269	265	4311.50	6857.50	20	10	2005	3:39	162	11.57	32.64	7.15	34.02	6
270	266	4308.20	6822.10	20	10	2005	6:56	192	11.87	32.65	7.24	34.00	8
271	267	4304.60	6740.20	20	10	2005	10:48	157	12.86	31.89	7.10	33.97	6
272	268	4255.90	6741.70	20	10	2005	12:46	202	13.09	31.82	7.81	34.46	6
273	269	4300.80	6728.10	20	10	2005	14:49	209	12.23	32.19	8.46	34.70	2
274	270	4315.00	6649.90	20	10	2005	18:46	155	11.86	32.60	9.08	34.48	2
275	271	4309.90	6642.50	20	10	2005	21:07	108	11.46	32.72	9.38	33.86	8
276	272	4316.40	6631.10	21	10	2005	0:19	69	11.27	32.77	9.89	33.36	8
277	273	4323.90	6617.10	21	10	2005	4:10	62	11.00	32.38	10.88	32.69	4
278	274	4332.40	6631.00	21	10	2005	7:58	118	10.98	31.96	9.62	33.65	1
279	275	4346.80	6635.20	21	10	2005	11:01	108	11.30	32.90	10.67	33.21	6
280	276	4406.90	6639.30	21	10	2005	14:16	95	10.96	32.84	10.01	33.39	6
281	277	4421.60	6641.30	21	10	2005	16:19	198	10.96	32.50	7.98	33.89	4
282	278	4410.50	6704.10	21	10	2005	19:10	118	11.24	32.91	8.71	34.10	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
283	279	4403.30	6708.00	21	10	2005	20:46	99	11.52	32.79	9.46	33.60	3
284	280	4400.30	6654.60	21	10	2005	22:58	160	11.63	32.74	8.05	34.05	7
285	281	4341.20	6712.20	22	10	2005	2:01	155	11.82	32.71	8.83	34.30	9
286	282	4331.70	6714.90	22	10	2005	4:10	215	11.79	32.71	8.51	34.57	2
287	283	4329.20	6744.50	22	10	2005	7:10	235	11.93	32.28	8.54	34.51	33
288	283	4329.90	6744.10	22	10	2005	7:33	234	11.93	32.28	8.36	34.51	1
289	284	4342.50	6748.40	22	10	2005	9:43	222	11.68	32.52	7.76	34.34	22
290	284	4343.40	6747.40	22	10	2005	10:16	223	11.68	32.52	7.81	34.35	4
291	285	4411.50	6753.90	22	10	2005	14:49	76	10.85	32.40	10.24	33.26	5
292	286	4404.70	6806.30	22	10	2005	17:15	106	10.97	32.50	9.78	33.41	3
293	287	4359.20	6817.80	22	10	2005	20:51	102	11.15	32.40	9.51	33.54	5
294	288	4355.30	6837.60	23	10	2005	0:26	86	11.16	32.58	10.00	33.31	5
295	289	4342.20	6818.30	23	10	2005	3:31	199	10.65	32.77	7.48	34.18	8
298	292	4325.70	6842.30	23	10	2005	9:53	105	10.84	32.63	8.88	33.64	4
299	293	4335.50	6858.10	24	10	2005	4:52	124	11.10	32.59	9.44	33.40	5
300	294	4124.80	6934.80	27	10	2005	17:21	29	10.94	31.59	10.88	31.60	8
301	295	4125.80	6930.50	27	10	2005	18:55	36	11.17	31.60	11.12	31.60	4
302	296	4110.50	6922.20	27	10	2005	21:19	49	11.30	31.69	11.31	31.72	3
303	297	4102.60	6923.10	28	10	2005	1:43	42	11.95	31.99	11.86	32.00	5
304	298	4115.20	6931.50	28	10	2005	4:05	25	11.55	31.60	11.60	31.61	4
305	299	4138.90	6939.70	28	10	2005	7:00	68	11.02	31.38	11.12	31.49	3
306	300	4213.20	7029.60	31	10	2005	20:47	59	11.16	31.08	8.53	31.69	7
307	301	4215.50	7038.00	31	10	2005	22:30	36	10.70	30.32	10.91	31.23	5
308	303	4221.90	7038.10	1	11	2005	1:06	70	10.71	31.00	7.26	31.94	3
309	304	4238.30	7016.10	1	11	2005	4:58	81	10.53	32.28	8.31	32.57	4
310	305	4241.40	7000.80	1	11	2005	7:07	154	10.58	32.44	6.17	33.16	6
311	306	4236.20	7007.60	1	11	2005	9:03	89	10.42	31.76	8.27	32.83	4
312	307	4235.40	7030.60	1	11	2005	11:28	75	10.58	30.34	8.22	32.22	3
313	308	4242.20	7027.50	1	11	2005	13:49	68	9.98	30.54	8.12	32.47	3
314	309	4243.90	7032.50	1	11	2005	16:01	87	10.38	29.23	7.33	32.47	2
315	310	4241.90	7040.20	1	11	2005	17:42	25	10.44	29.42	10.74	31.24	5

ALB0508 Fall Bottom Trawl

Sept. 7 - Nov. 4, 2005

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
316	311	4320.00	7022.80	1	11	2005	20:58	109	10.39	30.32	8.12	32.82	4
317	312	4305.90	7004.50	1	11	2005	23:13	48	10.63	31.67	10.44	32.67	6
318	313	4316.70	7001.90	2	11	2005	1:25	153	10.25	30.73	6.24	33.08	1
319	314	4317.50	7014.30	2	11	2005	3:31	89	10.38	30.84	8.96	33.05	1
320	315	4333.50	6943.60	2	11	2005	9:13	96	10.22	30.23	10.03	32.91	10
321	316	4343.80	6929.50	2	11	2005	12:19	98	10.60	30.98	10.12	32.95	1
322	317	4315.50	6932.60	2	11	2005	16:51	168	10.65	32.62	6.50	33.27	1
323	318	4242.30	6940.20	2	11	2005	20:46	270	11.84	31.97	7.37	34.31	3
324	319	4234.10	6924.40	2	11	2005	23:02	227	11.85	31.97	7.24	34.24	5
325	320	4230.00	6851.70	3	11	2005	2:19	214	12.09	31.91	7.41	34.18	2
326	321	4216.50	6852.70	3	11	2005	4:52	204	12.47	31.99	6.49	33.73	4
327	322	4227.10	6937.90	3	11	2005	10:07	249	10.91	31.76	7.12	34.15	55
328	322	4227.80	6939.00	3	11	2005	10:36	259	10.90	31.76	7.29	34.28	1
329	323	4226.60	7006.10	3	11	2005	13:40	82	10.30	31.14	9.54	32.48	7
330	324	4214.60	7013.60	3	11	2005	15:40	33	10.51	31.24	10.25	31.63	3
331	325	4205.30	7003.90	3	11	2005	18:21	38	10.90	31.14	10.04	31.95	4
332	326	4150.00	6947.60	4	11	2005	0:38	107	10.64	31.46	6.28	32.95	3
333	327	4146.20	6953.70	4	11	2005	2:10	20	10.70	31.36	10.39	31.59	5
334	328	4151.50	6936.00	4	11	2005	5:10	190	10.60	31.75	6.10	33.37	4
335	329	4151.40	6925.70	4	11	2005	7:04	192	11.04	31.81	6.31	33.55	2
337	331	4202.70	6939.80	4	11	2005	11:56	213	10.83	31.98	6.78	33.94	2
338	332	4212.40	6949.60	4	11	2005	14:04	220	10.43	32.33	7.12	34.16	3