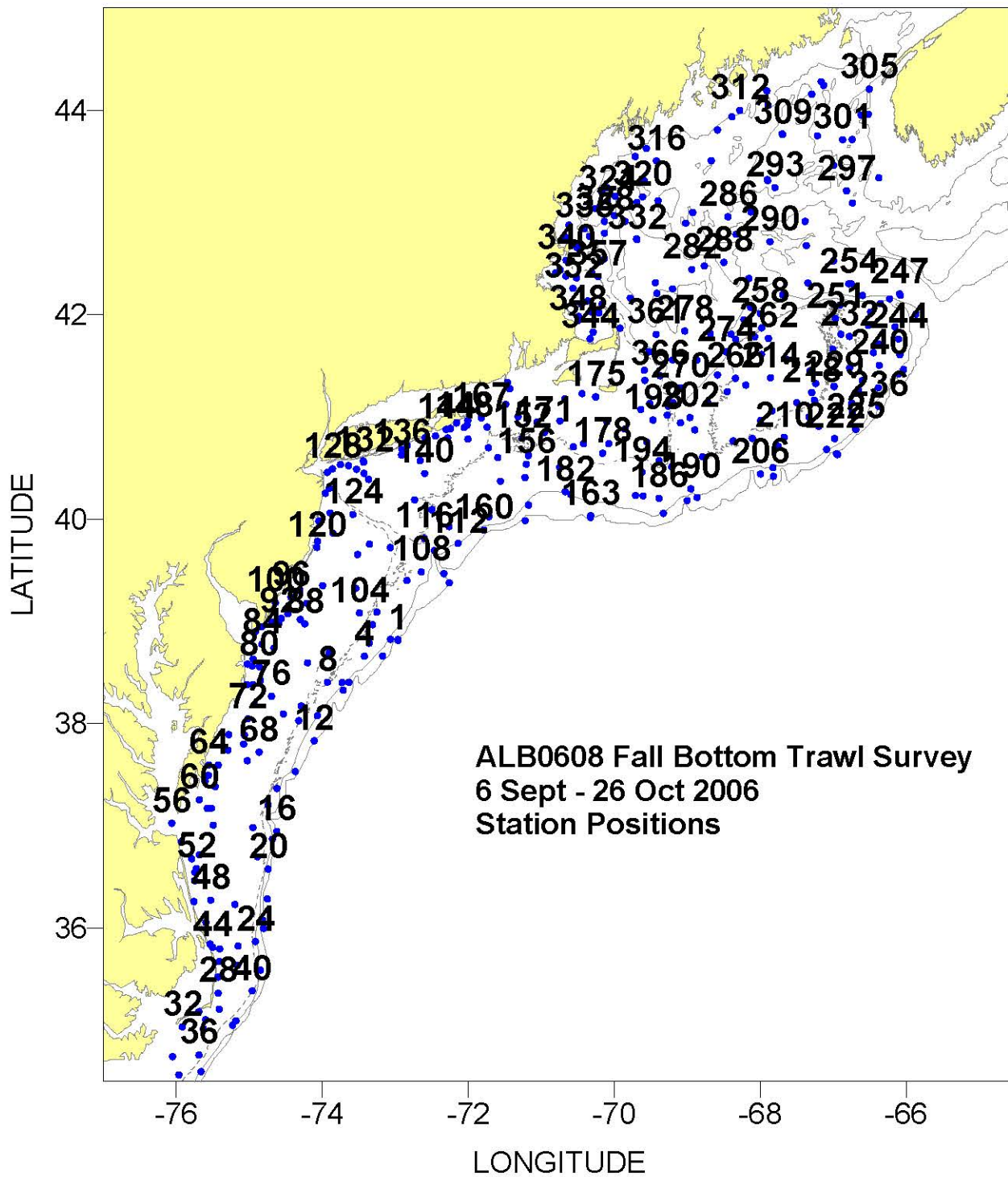


Oceanography Branch CTD Data Report
Fall Bottom Trawl Survey - ALB0608

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

DATE: 6 Sept - 26 Oct 2006



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the 2006 Fall Bottom Trawl Survey ALB0608

		SURFACE						BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
Gulf of Maine West														
ALB0608	288	54	13.56	0.97	0.15	0.73	0	51	8.38	1.13	0.13	1.1	0	10
ALB0608	288	53	32.34	-0.12	0.10	0.25	0	51	33.69	0.14	0.08	0.32	0	10
Gulf of Maine East														
ALB0608	284	30	13.76	1.00	0.19	0.60	0	26	9.34	0.60	0.20	1.61	0	10
ALB0608	284	30	32.59	0.00	0.14	0.29	0	26	34.33	0.17	0.12	0.32	0	10
Georges Bank														
ALB0608	274	68	16.24	0.76	0.13	0.78	0	56	12.56	0.06	0.16	1.76	0	10
ALB0608	274	68	32.32	-0.38	0.08	0.30	0	56	32.79	-0.22	0.10	0.39	0	10
MAB North														
ALB0608	265	60	19.34	0.74	0.18	0.87	0	55	13.91	1.70	0.22	2.07	0	10
ALB0608	265	60	32.62	-0.02	0.12	1.12	0	54	32.95	-0.39	0.13	0.64	0	10
MAB South														
ALB0608	255	80	21.73	-0.68	0.15	1.09	0	75	16.11	1.87	0.17	2.04	0	10
ALB0608	255	80	32.25	0.11	0.11	1.36	0	75	32.41	-0.83	0.11	1.01	0	10

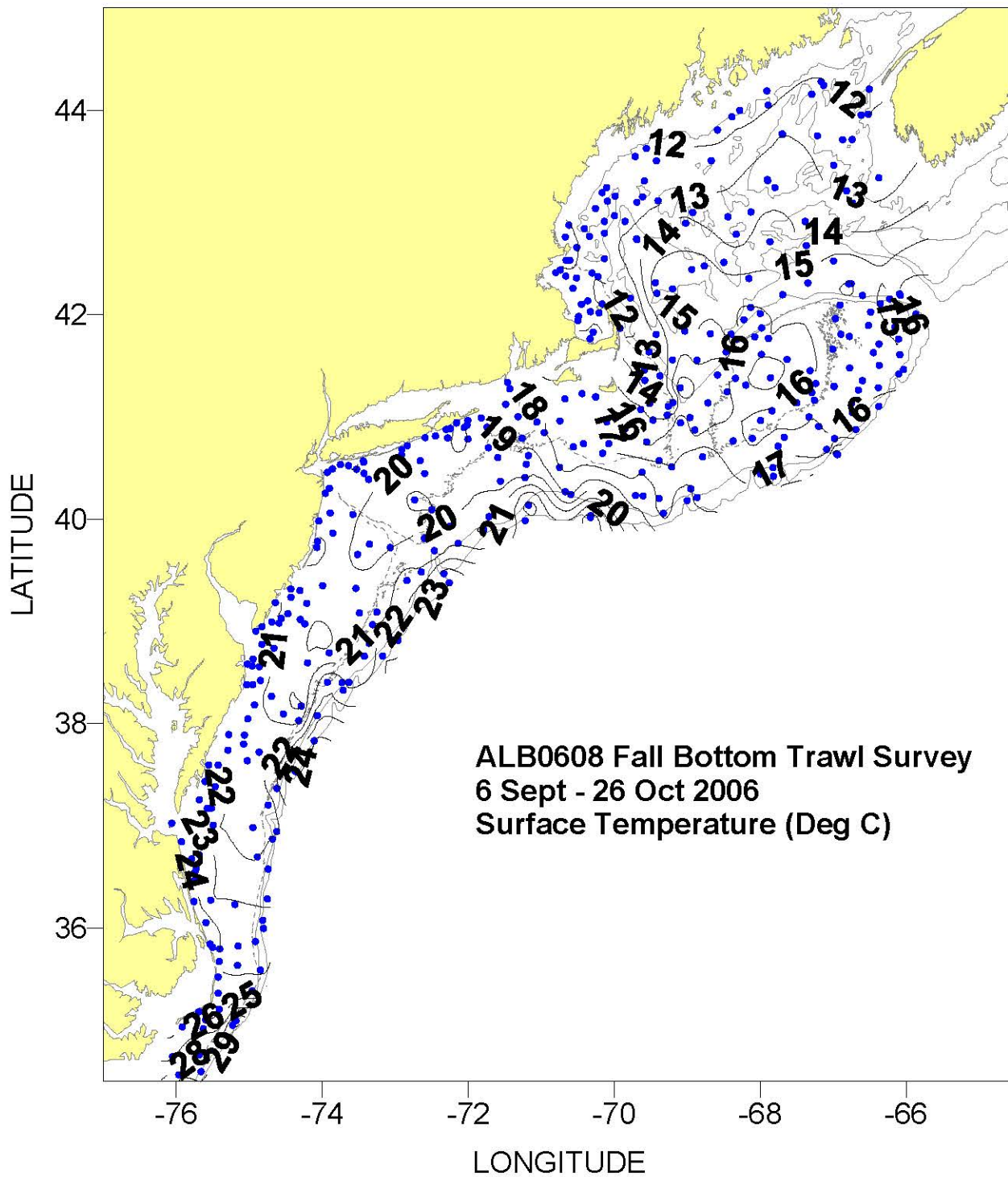
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

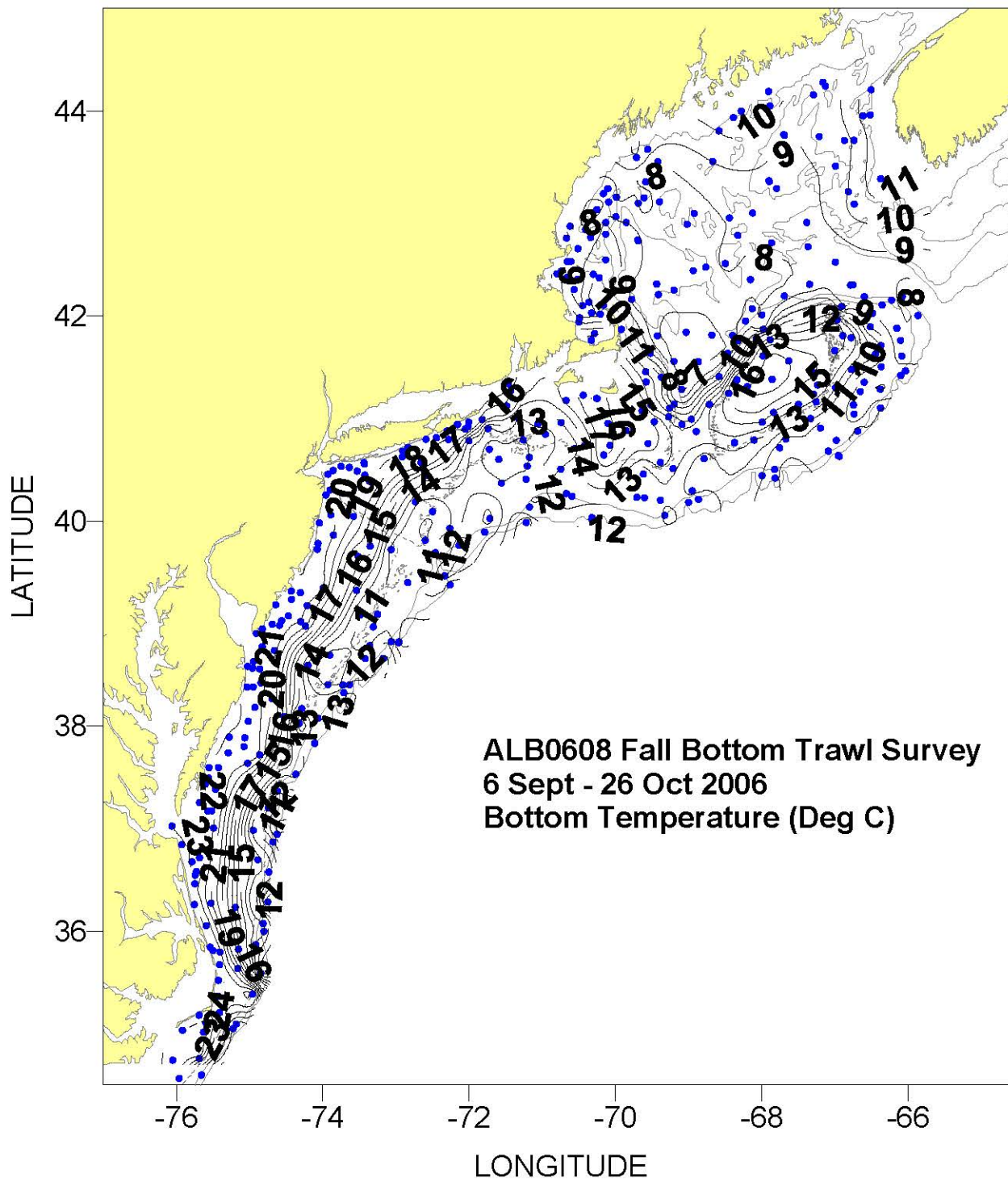
"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

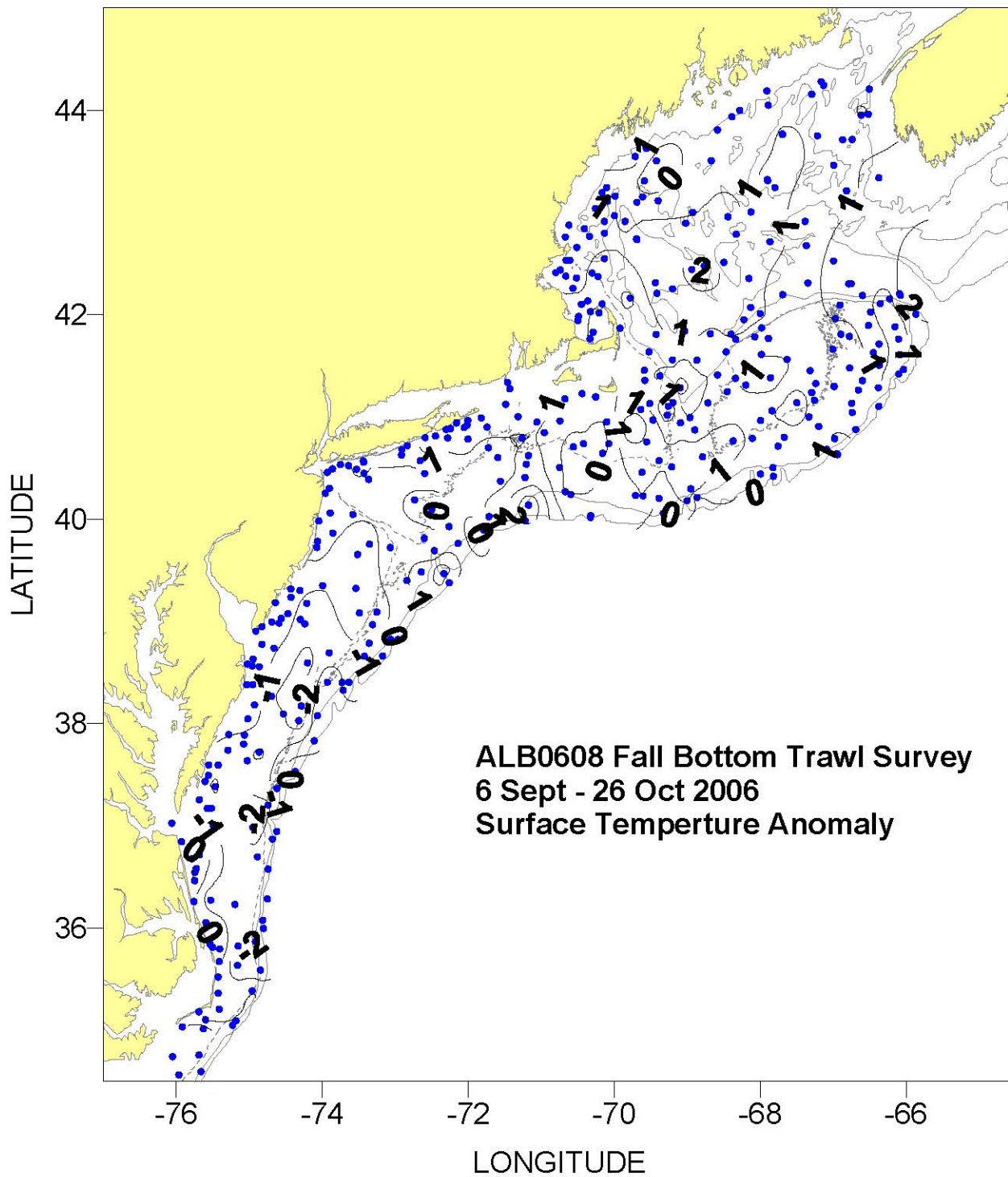
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

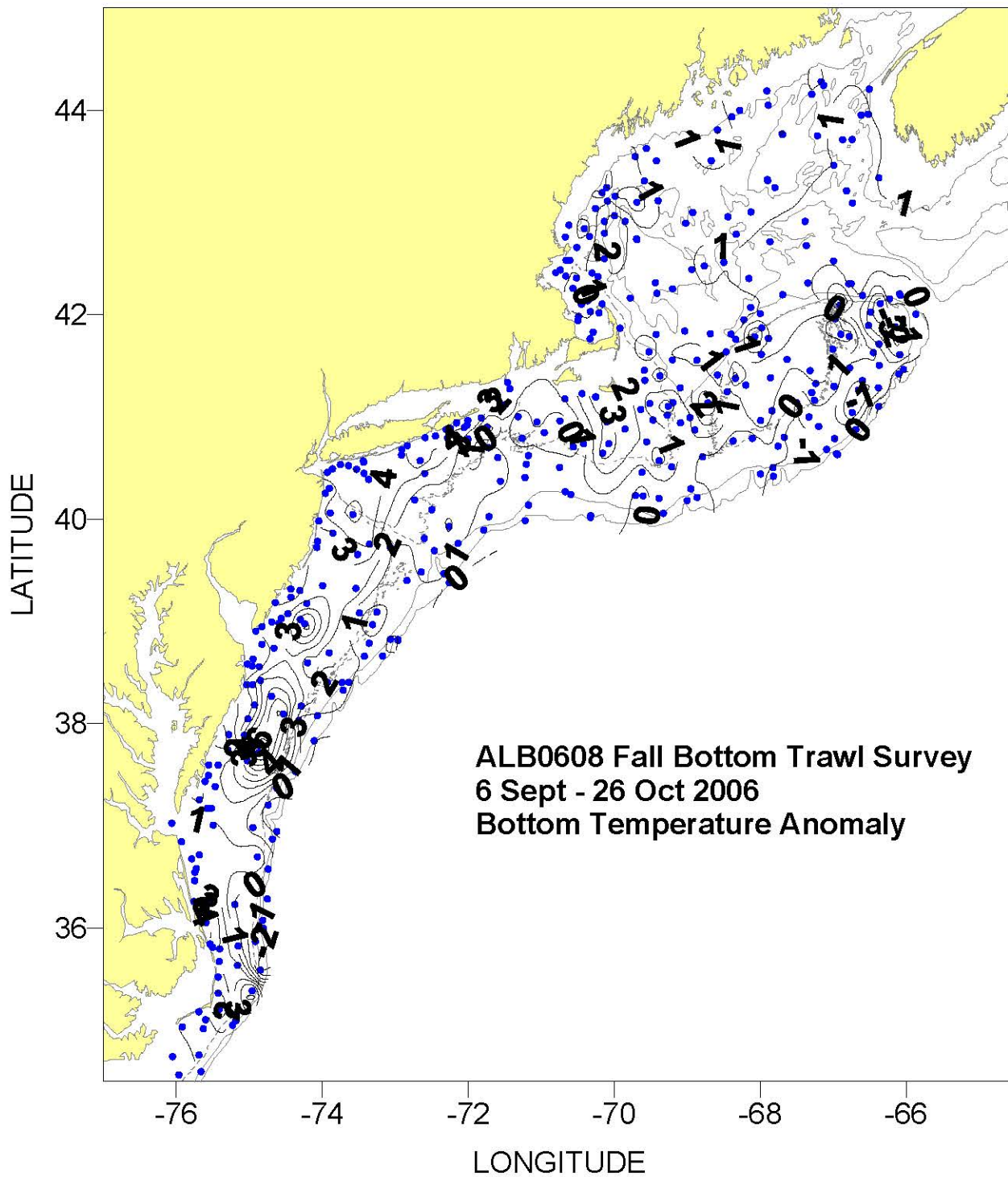
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

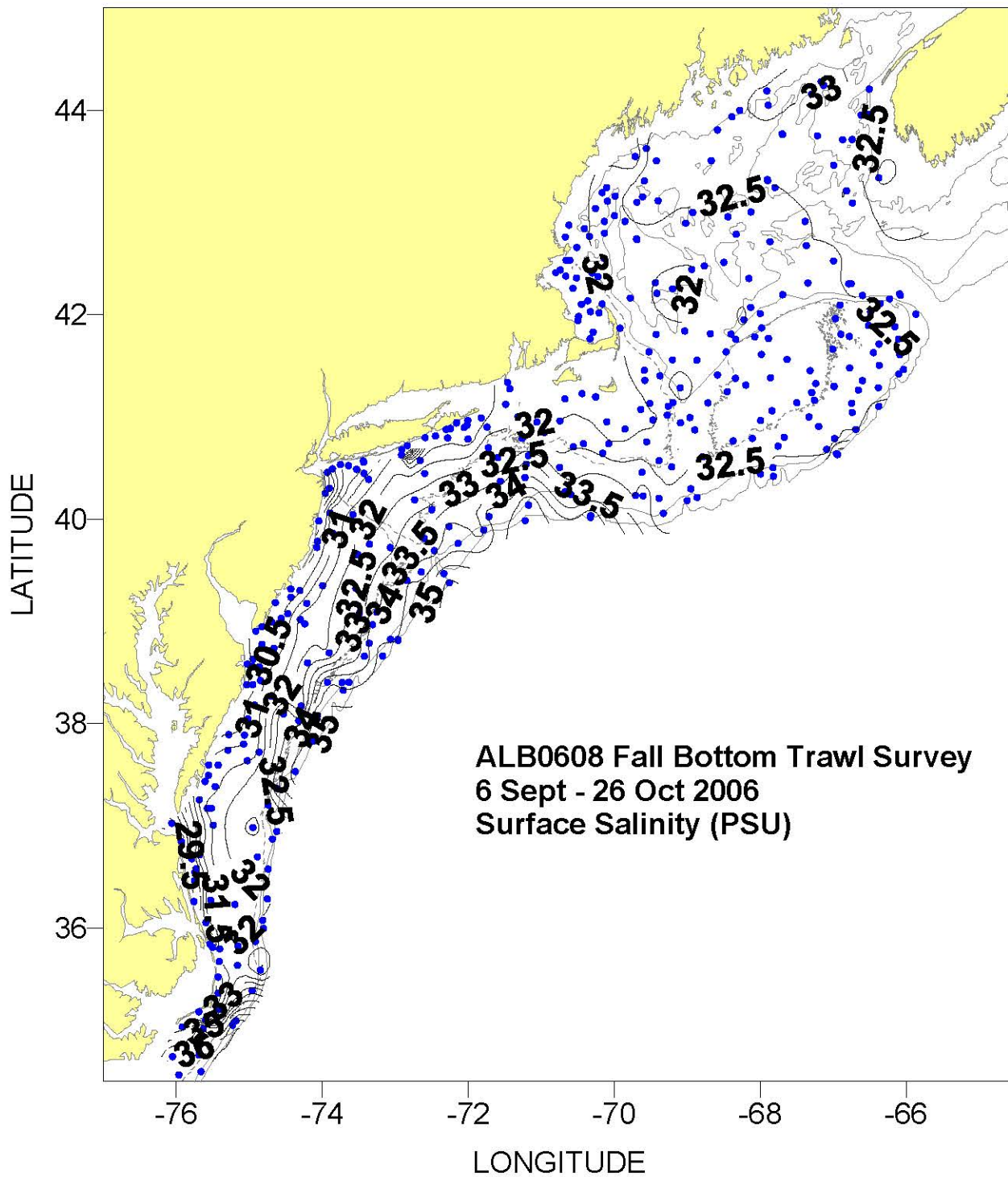
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

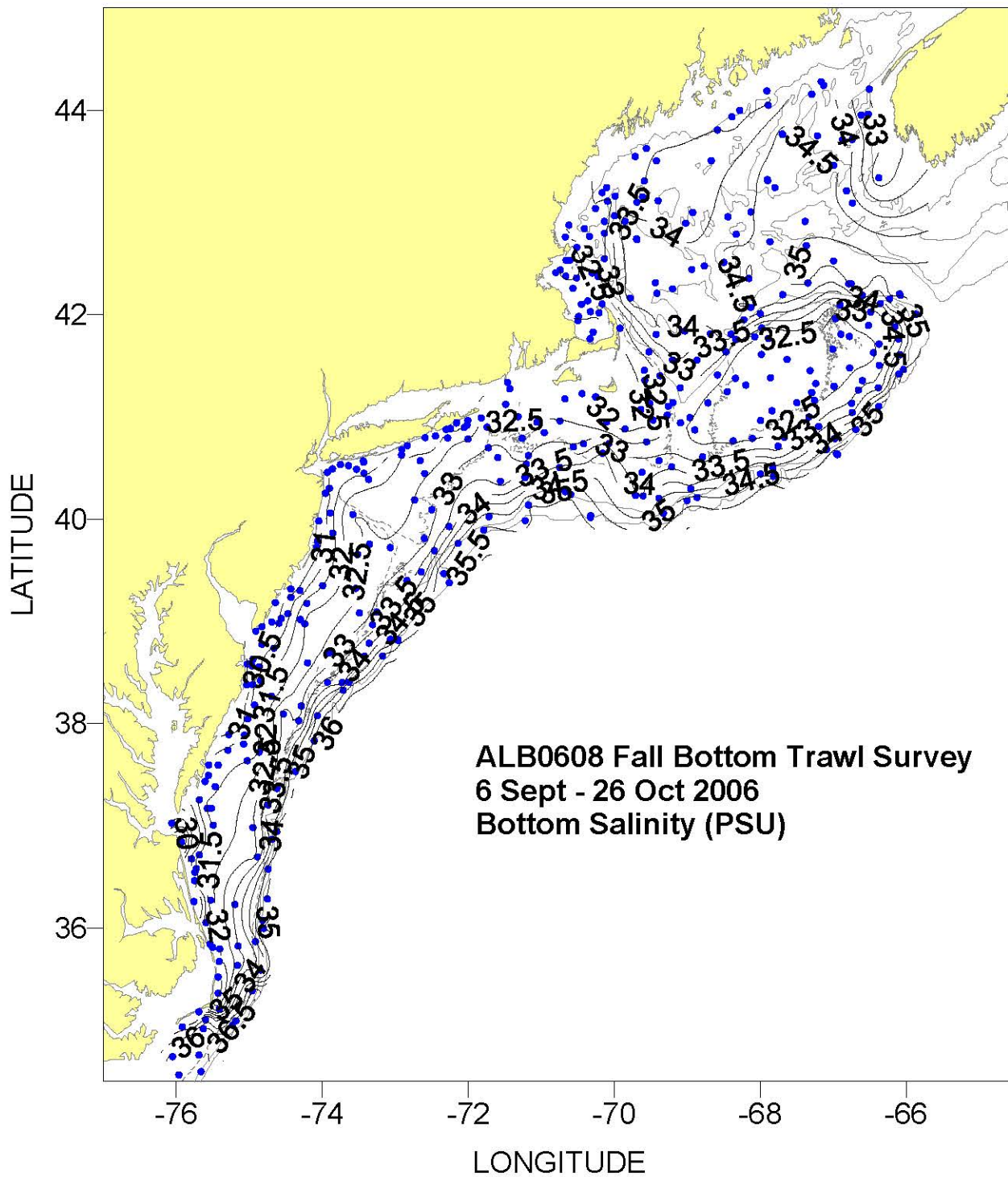


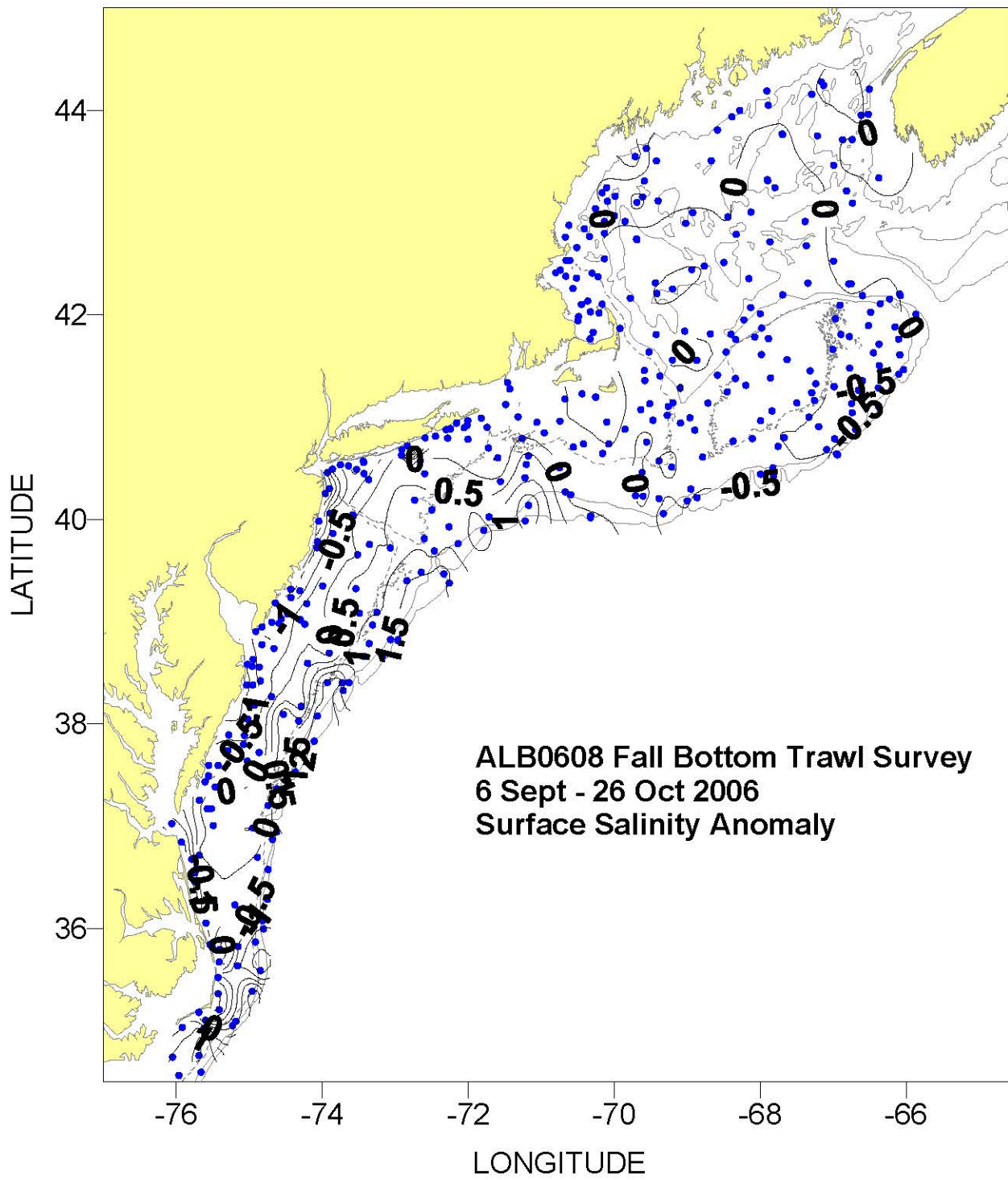


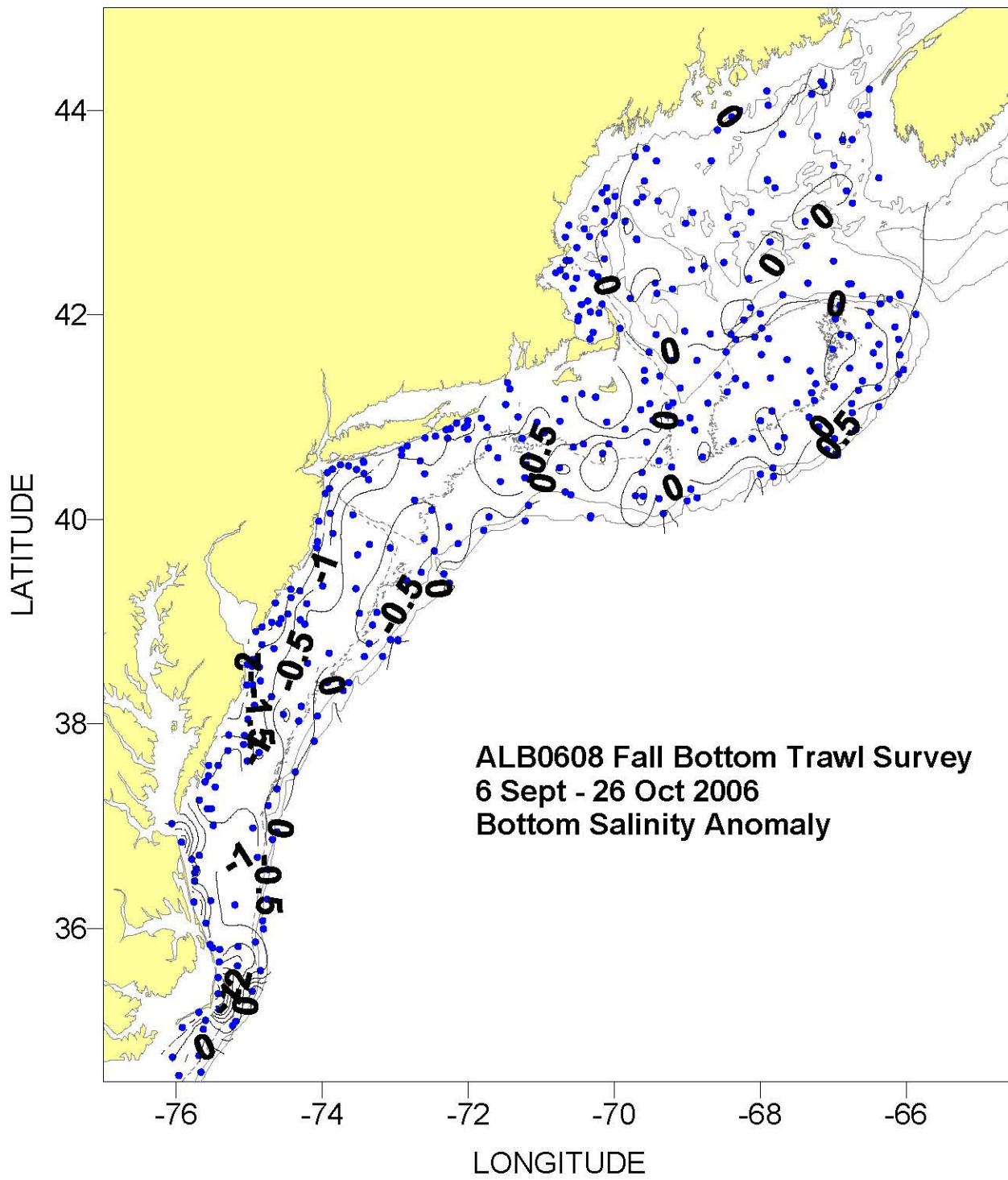












ALB00608 Fall Bottom Trawl Survey
6 September - 26 October, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	3848.8	7257.6	6	9	2006	14:15	308	22.30	34.50	12.57	35.62	107
2	1	3849.3	7257.6	6	9	2006	14:34	267	22.29	34.49	9.65	35.27	6
3	2	3849.4	7303.9	6	9	2006	16:47	87	22.11	34.38	11.95	34.40	5
4	3	3847.2	7321.4	6	9	2006	19:00	74	21.66	34.19	10.96	33.84	2
5	4	3839.5	7325.4	6	9	2006	20:46	76	20.28	33.50	11.51	34.18	3
6	5	3839.6	7310.3	6	9	2006	23:01	136	22.98	34.83	13.68	35.71	5
7	6	3824.2	7338.0	7	9	2006	2:30	108	21.82	34.34	13.55	35.24	4
8	7	3824.1	7343.7	7	9	2006	4:16	81	22.41	34.43	10.89	33.75	4
9	8	3824.3	7355.7	7	9	2006	6:10	60	23.04	34.52	10.82	33.64	4
10	9	3819.6	7342.8	7	9	2006	7:49	111	21.89	34.43	14.11	35.37	4
11	10	3804.6	7404.0	7	9	2006	11:00	90	23.73	35.03	13.72	35.14	3
12	11	3801.7	7419.3	7	9	2006	12:58	53	20.49	33.17	9.39	32.76	4
13	12	3749.9	7406.7	7	9	2006	15:31	228	25.14	34.87	12.81	35.63	1
14	13	3731.9	7422.1	7	9	2006	18:25	99	24.94	34.74	13.57	35.07	4
15	14	3721.9	7437.3	7	9	2006	20:55	79	22.92	33.94	10.00	33.28	5
16	15	3712.2	7444.5	7	9	2006	22:43	75	21.45	32.33	9.66	33.27	5
17	16	3656.7	7437.4	8	9	2006	1:06	362	21.83	32.09	7.53	35.14	4
18	17	3659.0	7457.0	8	9	2006	4:13	44	21.53	32.72	11.29	32.41	4
19	18	3652.2	7440.9	8	9	2006	6:19	93	22.11	32.21	10.58	33.61	4
20	19	3641.8	7453.3	8	9	2006	8:25	35	21.89	32.02	13.37	32.45	3
21	20	3634.6	7444.4	8	9	2006	10:18	99	22.68	32.28	12.83	34.76	4
22	21	3617.1	7445.2	8	9	2006	12:52	410	22.59	31.89	6.46	35.09	4
23	22	3604.5	7448.9	8	9	2006	16:01	114	23.54	32.00	13.25	34.96	4
24	23	3559.8	7448.3	8	9	2006	19:01	160	23.54	32.20	13.50	35.60	2
25	24	3552.1	7454.9	8	9	2006	21:06	81	23.96	32.25	12.88	33.75	4
26	25	3549.4	7509.1	8	9	2006	23:13	35	23.69	32.30	16.85	33.06	3
27	26	3538.1	7509.7	9	9	2006	1:08	36	23.38	32.15	20.96	32.57	6
28	27	3531.2	7525.5	9	9	2006	3:25	13	24.45	30.98	24.45	31.01	4
29	28	3521.8	7525.5	9	9	2006	5:13	16	24.42	31.15	24.46	31.18	5
30	29	3512.3	7524.7	9	9	2006	9:22	21	24.08	31.57	23.98	31.80	6
31	30	3506.2	7535.9	9	9	2006	11:25	24	24.62	32.06	26.69	35.79	4
32	31	3510.8	7541.4	9	9	2006	12:56	16	24.49	32.25	24.67	32.49	5

ALB00608 Fall Bottom Trawl Survey
6 September - 26 October, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
33	32	3502.0	7555.0	9	9	2006	14:49	22	25.64	34.17	25.98	34.78	4
34	33	3444.5	7603.0	9	9	2006	17:19	30	26.68	36.24	26.58	36.26	4
35	34	3433.8	7557.8	9	9	2006	19:07	43	29.04	36.22	26.75	36.23	3
36	35	3435.8	7539.5	9	9	2006	21:25	200	28.63	36.13	16.14	36.07	3
37	36	3445.5	7541.3	9	9	2006	23:28	44	28.98	36.19	26.78	36.30	3
38	37	3500.9	7537.7	10	9	2006	1:37	31	26.72	36.11	26.74	36.10	4
39	38	3503.0	7513.6	10	9	2006	4:04	146	28.99	36.23	19.77	36.38	4
40	39	3505.6	7510.9	10	9	2006	5:39	142	28.91	36.21	19.36	36.36	1
41	40	3523.1	7457.6	10	9	2006	8:46	54	25.25	33.91	25.43	36.31	5
42	41	3535.3	7450.8	10	9	2006	10:49	67	23.57	31.28	10.39	33.36	4
43	42	3540.4	7524.7	10	9	2006	14:25	23	23.59	32.02	23.56	32.04	4
44	43	3547.8	7524.3	10	9	2006	16:57	20	23.94	31.77	23.86	31.79	3
45	44	3548.6	7530.1	10	9	2006	18:42	18	24.51	29.33	23.78	31.74	3
46	45	3550.6	7532.3	10	9	2006	20:49	16	24.51	29.46	24.26	31.16	3
47	46	3603.1	7535.6	10	9	2006	23:31	20	24.50	30.81	23.91	31.32	3
48	47	3613.8	7511.8	11	9	2006	2:19	33	23.11	31.61	16.50	33.08	3
49	48	3616.4	7531.6	11	9	2006	4:33	24	22.92	31.89	21.09	31.78	5
50	49	3615.6	7545.4	11	9	2006	6:26	14	24.45	28.56	24.43	28.92	5
51	50	3627.8	7544.8	11	9	2006	8:34	19	24.10	29.57	23.02	31.88	5
52	51	3632.8	7544.6	11	9	2006	10:07	16	24.16	28.73	24.31	29.20	4
53	52	3634.9	7543.6	11	9	2006	13:06	20	23.98	29.82	23.60	31.50	4
54	53	3640.6	7547.3	11	9	2006	16:00	19	24.08	29.21	23.75	30.82	4
55	54	3643.0	7541.0	11	9	2006	17:45	19	24.13	30.93	24.06	30.97	4
56	55	3650.7	7555.7	11	9	2006	20:16	11	24.08	27.33	24.09	27.35	3
57	56	3701.5	7603.6	11	9	2006	22:36	16	23.91	27.88	23.93	29.60	4
58	57	3700.4	7529.6	12	9	2006	2:46	27	21.99	31.60	22.10	31.58	3
59	58	3710.4	7531.0	12	9	2006	5:43	23	22.63	31.61	22.63	31.61	5
60	59	3710.3	7534.5	12	9	2006	7:58	18	22.78	31.65	22.83	31.63	4
61	60	3715.3	7541.1	12	9	2006	9:49	10	22.46	31.03	22.44	31.03	4
62	61	3723.0	7527.9	12	9	2006	12:10	22	22.71	31.37	22.72	31.39	3
63	62	3729.6	7533.6	12	9	2006	15:00	14	22.35	30.98	22.32	30.98	4
64	63	3726.0	7536.3	12	9	2006	16:58	13	22.47	31.07	22.43	31.08	3

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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
65	64	3735.7	7533.3	12	9	2006	19:19	11	22.17	31.12	22.01	31.11	2
66	65	3735.7	7525.5	12	9	2006	21:12	14	21.99	31.26	21.79	31.25	3
67	66	3744.4	7517.6	12	9	2006	23:02	21	21.84	31.14	21.79	31.17	4
68	67	3738.2	7501.6	13	9	2006	1:22	33	21.45	31.44	21.18	31.47	3
69	68	3743.2	7451.9	13	9	2006	3:07	31	21.34	31.42	21.34	31.42	3
70	69	3748.0	7504.6	13	9	2006	4:58	28	21.78	31.01	21.88	31.32	5
71	70	3753.2	7503.9	13	9	2006	6:13	19	21.79	30.62	21.78	30.62	3
72	71	3753.5	7516.8	13	9	2006	8:04	11	21.87	30.48	21.87	30.48	4
73	72	3802.8	7501.2	13	9	2006	10:25	14	21.82	30.59	21.83	30.60	4
74	73	3811.0	7455.7	13	9	2006	12:22	21	21.46	31.27	21.49	31.28	5
75	74	3805.6	7431.9	13	9	2006	15:10	40	20.60	33.52	18.23	33.36	4
76	75	3810.3	7417.2	13	9	2006	17:10	43	19.90	32.01	13.01	32.86	5
77	76	3816.0	7441.7	13	9	2006	20:21	27	20.35	31.33	19.76	31.57	3
78	77	3822.8	7502.1	13	9	2006	23:07	13	21.66	29.87	21.66	29.87	3
79	78	3822.8	7457.1	14	9	2006	1:01	20	21.63	30.16	21.68	31.08	3
80	79	3825.3	7450.7	14	9	2006	2:32	18	21.72	30.81	21.71	31.09	2
81	80	3833.4	7451.8	14	9	2006	4:01	22	21.66	30.64	21.54	30.92	4
82	81	3833.9	7457.6	14	9	2006	6:07	16	21.62	30.12	21.66	30.47	4
83	82	3834.9	7501.7	14	9	2006	7:25	11	21.64	29.85	21.62	29.85	6
84	83	3837.8	7456.8	14	9	2006	9:01	18	21.60	30.06	21.65	30.81	3
85	84	3846.5	7449.6	14	9	2006	10:52	16	21.44	30.48	21.48	30.65	4
86	85	3844.3	7439.7	14	9	2006	12:26	25	21.03	30.64	20.30	31.07	5
87	86	3835.6	7412.1	14	9	2006	15:23	48	20.06	32.35	11.39	32.27	5
88	87	3841.5	7354.3	14	9	2006	17:34	46	19.98	31.94	10.38	32.67	4
89	88	3858.5	7414.3	14	9	2006	20:34	32	20.12	31.73	19.63	32.09	3
90	89	3901.1	7418.1	14	9	2006	21:57	27	20.14	31.70	19.93	31.74	4
91	90	3904.5	7428.3	14	9	2006	23:34	18	20.86	30.63	20.59	30.80	2
92	91	3901.8	7433.7	15	9	2006	1:07	19	20.85	30.58	20.81	30.64	3
93	92	3859.0	7435.5	15	9	2006	2:30	16	20.94	30.39	20.89	30.51	3
94	93	3859.6	7441.4	15	9	2006	3:49	13	21.12	30.16	21.12	30.16	4
95	94	3854.2	7454.5	15	9	2006	5:41	10	21.27	30.27	21.27	30.26	4
96	95	3856.9	7449.6	15	9	2006	7:40	12	20.97	30.04	20.91	30.05	3

ALB00608 Fall 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
97	96	3914.1	7425.7	15	9	2006	10:36	17	20.89	30.35	20.53	30.79	5
98	97	3910.6	7412.7	15	9	2006	12:18	28	20.17	31.29	19.99	31.73	5
99	98	3918.1	7418.3	15	9	2006	13:46	17	20.86	30.37	20.68	30.61	5
100	99	3919.0	7425.8	15	9	2006	15:11	10	20.62	29.97	20.60	30.04	5
101	100	3911.0	7438.5	15	9	2006	16:47	11	21.14	30.16	20.77	30.20	2
102	101	3920.9	7359.7	15	9	2006	20:46	27	20.61	31.43	20.31	31.49	4
103	102	3939.2	7330.9	16	9	2006	0:25	38	19.59	32.06	15.49	32.54	2
104	103	3919.4	7332.4	16	9	2006	3:04	48	20.53	32.71	13.29	32.38	5
105	104	3904.9	7329.4	16	9	2006	5:15	54	20.67	32.77	10.77	32.75	3
106	105	3858.0	7318.6	16	9	2006	7:00	66	21.04	34.11	10.16	33.19	3
107	106	3905.4	7315.1	16	9	2006	8:37	66	20.22	33.43	10.51	33.20	3
108	107	3924.0	7250.4	16	9	2006	12:36	68	21.60	34.51	10.72	33.38	5
109	108	3929.0	7238.6	16	9	2006	14:40	84	21.08	34.19	11.47	33.64	3
110	109	3922.6	7215.6	16	9	2006	18:19	229	24.04	35.61	9.93	35.31	3
111	110	3928.0	7220.1	16	9	2006	20:31	139	23.58	35.33	14.25	35.70	3
112	111	3941.5	7227.8	16	9	2006	23:15	88	19.98	33.74	11.41	33.65	5
113	112	3945.8	7208.3	17	9	2006	1:40	107	20.82	34.25	13.87	35.19	4
114	113	3955.7	7215.8	17	9	2006	3:32	83	20.43	34.12	10.84	33.55	2
115	114	4005.5	7229.9	17	9	2006	5:33	59	18.95	33.10	10.03	32.89	4
116	115	4011.3	7244.1	17	9	2006	7:19	55	18.63	32.64	11.15	32.50	5
117	116	3948.8	7236.1	17	9	2006	10:28	57	20.54	33.83	9.93	32.81	3
118	117	3943.3	7304.0	17	9	2006	13:28	52	19.96	32.74	10.32	32.54	4
119	118	3945.3	7321.2	17	9	2006	15:25	39	19.79	32.61	16.26	32.51	4
120	119	3951.8	7351.3	17	9	2006	18:27	26	20.92	30.93	20.10	31.39	3
121	120	3943.4	7404.5	17	9	2006	20:27	12	21.28	29.89	20.64	30.28	3
122	121	3946.9	7403.9	17	9	2006	22:47	11	21.06	30.09	20.63	30.10	1
123	122	3958.9	7402.8	18	9	2006	0:38	17	20.73	28.47	20.41	30.42	1
124	123	4003.6	7353.4	18	9	2006	2:40	23	20.54	30.94	20.15	31.33	2
125	124	4002.7	7334.7	18	9	2006	4:39	39	20.10	31.74	19.22	32.51	4
126	125	4015.2	7357.5	18	9	2006	7:22	18	20.70	28.06	20.25	30.46	4
127	126	4018.2	7354.1	18	9	2006	9:04	22	20.33	28.26	20.09	31.14	4
128	127	4027.4	7355.9	18	9	2006	11:01	14	20.43	28.21	20.05	31.00	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
129	128	4029.6	7351.5	18	9	2006	13:11	16	20.28	29.58	20.11	30.77	4
130	129	4032.0	7345.0	18	9	2006	14:49	18	20.69	29.93	20.07	31.11	3
131	130	4031.4	7338.3	18	9	2006	16:22	17	21.04	30.21	20.06	30.99	2
132	131	4034.1	7326.2	18	9	2006	18:00	13	21.22	30.14	19.99	30.83	1
133	132	4033.4	7325.8	18	9	2006	19:51	19	20.55	30.25	19.99	30.93	2
134	133	4029.2	7331.8	18	9	2006	21:21	22	21.11	30.08	19.54	31.36	2
135	134	4026.9	7325.6	18	9	2006	22:34	26	20.56	30.87	19.58	31.33	3
136	135	4023.3	7321.9	18	9	2006	23:52	29	20.26	31.15	19.33	31.74	2
137	136	4037.6	7254.8	19	9	2006	2:49	30	20.23	31.39	18.94	31.96	1
138	137	4040.8	7254.5	19	9	2006	4:22	21	20.37	31.36	19.18	31.42	5
139	138	4043.1	7250.1	19	9	2006	5:52	18	20.11	25.43	20.04	99.99	5
140	139	4034.3	7239.5	19	9	2006	7:58	38	20.02	31.90	18.47	32.32	3
141	140	4026.8	7235.8	19	9	2006	9:22	45	19.78	32.09	13.84	32.43	4
142	141	4047.8	7235.4	19	9	2006	12:16	11	19.40	31.14	19.28	31.18	4
143	142	4048.8	7226.9	19	9	2006	13:55	21	20.04	30.94	18.80	31.63	4
144	143	4047.7	7216.9	19	9	2006	15:37	35	19.87	31.31	17.93	32.26	4
145	144	4052.7	7218.1	19	9	2006	17:13	17	19.61	31.25	18.77	31.50	3
146	145	4053.2	7214.6	19	9	2006	18:49	22	20.16	31.13	18.42	31.97	2
147	146	4056.7	7209.5	19	9	2006	21:16	14	19.59	31.13	18.70	31.41	2
148	147	4056.4	7209.6	19	9	2006	21:58	15	19.62	31.00	18.65	31.47	2
149	148	4053.8	7203.3	19	9	2006	23:36	32	20.13	31.28	18.35	32.05	6
150	149	4055.1	7201.0	20	9	2006	1:02	29	19.73	30.99	18.17	31.95	1
151	150	4057.8	7200.3	20	9	2006	2:28	24	19.70	31.25	18.38	31.65	2
152	151	4047.0	7200.2	20	9	2006	4:46	40	20.06	31.15	12.33	32.52	4
153	152	4047.5	7115.7	20	9	2006	17:19	58	18.40	32.32	10.90	32.86	4
154	153	4041.9	7143.5	20	9	2006	20:21	60	18.91	32.57	10.75	33.00	2
155	154	4036.1	7135.7	20	9	2006	22:07	73	18.86	32.43	10.71	33.21	3
156	155	4037.3	7110.6	21	9	2006	0:36	64	19.54	33.29	11.12	32.98	3
157	156	4032.2	7112.3	21	9	2006	2:04	71	19.58	33.59	10.78	32.95	1
158	157	4024.4	7113.3	21	9	2006	3:43	81	19.85	33.98	11.56	33.50	4
159	158	4022.2	7133.6	21	9	2006	6:03	79	19.40	33.28	11.01	33.17	3
160	159	4001.5	7142.9	21	9	2006	8:43	92	21.12	34.80	13.66	35.19	3

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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
161	160	3953.6	7147.3	21	9	2006	10:34	144	19.70	33.73	12.23	35.56	1
162	161	3959.1	7113.2	21	9	2006	15:11	308	22.18	35.26	8.77	35.18	5
163	162	4008.3	7110.4	21	9	2006	17:53	137	24.06	35.51	13.51	35.64	4
164	163	4001.0	7019.5	21	9	2006	22:31	239	23.75	34.83	11.70	35.51	38
165	163	4002.0	7019.4	21	9	2006	22:58	203	23.74	34.84	12.15	35.28	3
166	164	4120.3	7127.7	25	9	2006	23:01	20	18.37	31.90	18.17	32.05	3
167	165	4116.5	7125.8	26	9	2006	0:28	37	18.55	31.80	16.91	32.46	3
168	166	4107.3	7129.2	26	9	2006	2:24	26	18.71	31.59	17.27	32.41	4
169	167	4059.3	7149.3	26	9	2006	4:56	29	18.61	31.33	16.56	32.61	7
170	168	4054.1	7144.5	26	9	2006	6:39	46	18.81	31.68	11.51	32.70	4
171	169	4100.1	7119.1	26	9	2006	9:55	47	18.46	31.86	11.89	32.59	3
172	170	4057.0	7103.6	26	9	2006	12:03	50	18.30	31.89	12.42	32.46	3
173	171	4050.8	7057.5	26	9	2006	13:37	57	17.99	32.02	11.48	32.74	4
174	172	4057.6	7044.6	26	9	2006	15:34	48	17.71	31.99	12.89	32.47	5
175	173	4110.6	7040.6	26	9	2006	17:34	32	17.77	31.94	15.31	32.38	4
176	174	4113.7	7026.5	26	9	2006	19:15	32	17.88	31.78	16.37	32.08	3
177	175	4111.7	7015.0	26	9	2006	20:49	25	17.56	99.99	17.53	99.99	5
178	175	4111.8	7015.4	26	9	2006	21:00	25	17.54	31.80	17.48	31.79	6
179	176	4057.1	7006.1	26	9	2006	23:23	19	17.06	31.78	17.06	99.99	4
180	177	4044.3	7004.5	27	9	2006	1:27	37	16.73	32.03	17.22	33.33	4
181	178	4038.7	7009.6	27	9	2006	3:46	48	16.94	32.43	17.43	34.12	5
182	179	4044.3	7025.3	27	9	2006	5:39	50	17.80	32.44	13.61	33.01	4
183	180	4042.5	7033.6	27	9	2006	7:25	56	17.67	32.48	12.65	33.03	4
184	181	4030.3	7044.9	27	9	2006	9:31	73	17.88	32.72	13.06	34.03	4
185	182	4016.1	7040.3	27	9	2006	11:31	111	18.74	33.37	14.02	35.36	5
186	183	4014.4	7035.7	27	9	2006	13:04	114	18.74	33.21	13.55	35.43	4
187	184	4013.9	6942.5	27	9	2006	17:32	82	18.07	32.88	12.00	33.53	4
188	185	4013.6	6936.3	27	9	2006	18:46	79	18.92	33.35	12.03	33.37	5
189	186	4012.2	6923.2	27	9	2006	20:30	84	17.82	32.69	12.65	34.50	2
190	187	4003.4	6919.6	27	9	2006	22:00	100	17.60	32.46	13.26	35.07	4
191	188	4010.9	6900.1	28	9	2006	0:33	133	18.81	32.96	12.74	35.30	3
192	189	4012.7	6851.9	28	9	2006	2:01	120	17.54	32.53	12.94	35.19	1

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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
193	190	4017.8	6857.0	28	9	2006	3:46	95	18.06	32.71	11.18	34.01	5
194	191	4036.6	6847.3	28	9	2006	6:15	66	17.80	32.66	11.20	32.76	3
195	192	4030.7	6912.8	28	9	2006	8:55	72	16.98	32.23	13.25	33.44	4
196	193	4034.3	6923.2	28	9	2006	10:31	55	16.97	32.20	14.58	33.15	4
197	194	4027.5	6937.2	28	9	2006	12:22	67	18.01	32.75	11.94	33.35	4
198	195	4045.4	6933.3	28	9	2006	14:46	40	15.63	32.37	15.59	32.53	5
199	196	4052.9	6951.2	28	9	2006	17:01	33	16.24	31.72	16.24	31.84	4
200	197	4104.3	6938.2	28	9	2006	19:01	44	15.61	31.73	15.37	31.76	4
201	198	4058.2	6928.1	28	9	2006	20:52	40	15.49	31.82	14.89	31.82	4
202	199	4106.2	6915.6	28	9	2006	23:16	60	14.89	32.22	11.02	32.64	3
203	200	4101.1	6916.5	29	9	2006	1:19	54	14.54	32.30	13.08	32.63	4
204	201	4056.5	6905.5	29	9	2006	3:49	72	16.92	32.33	12.51	32.56	3
205	202	4059.6	6857.8	29	9	2006	5:22	78	15.69	32.26	11.97	32.55	3
206	203	4052.4	6853.9	29	9	2006	7:09	69	15.50	32.20	14.36	32.33	4
207	204	4045.9	6822.3	29	9	2006	10:15	55	16.37	32.30	13.58	32.34	4
208	205	4047.4	6806.5	29	9	2006	12:10	63	15.79	32.19	12.87	32.38	4
209	206	4026.5	6759.9	29	9	2006	14:49	139	16.53	32.34	11.14	34.97	4
210	207	4025.1	6749.2	29	9	2006	16:32	156	17.72	32.60	10.10	35.19	5
211	208	4030.2	6749.5	29	9	2006	17:58	107	17.51	32.62	10.18	34.13	3
212	209	4042.8	6745.4	29	9	2006	22:16	70	16.69	32.41	10.50	32.71	3
213	210	4048.0	6740.3	29	9	2006	23:40	68	16.24	32.23	10.67	32.67	6
214	211	4057.9	6759.7	30	9	2006	2:13	52	15.67	32.16	15.21	32.20	3
215	212	4103.6	6750.3	30	9	2006	3:54	50	15.87	32.16	14.93	32.23	5
216	213	4108.3	6730.0	30	9	2006	6:15	55	15.11	32.19	14.56	32.27	5
217	214	4122.9	6751.6	30	9	2006	9:04	35	17.67	32.09	17.68	32.09	5
218	215	4133.7	6738.0	30	9	2006	11:21	27	16.98	32.13	16.98	32.13	4
219	216	4127.2	6718.9	30	9	2006	13:43	47	16.41	32.15	16.41	32.15	4
220	217	4119.6	6714.3	30	9	2006	15:18	48	15.62	32.23	15.08	32.24	4
221	218	4114.3	6717.7	30	9	2006	16:52	51	15.60	32.21	14.43	32.29	5
222	219	4109.8	6715.5	30	9	2006	18:27	55	15.67	32.26	13.93	32.32	4
223	220	4100.0	6719.9	30	9	2006	20:19	71	16.01	32.25	12.20	32.51	6
224	221	4054.4	6711.9	30	9	2006	21:51	82	16.11	32.22	10.25	33.21	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
225	222	4047.3	6658.8	30	9	2006	23:40	99	16.47	32.27	11.04	34.44	5
226	223	4040.9	6705.5	1	10	2006	1:13	119	16.23	32.21	10.96	34.72	2
227	224	4038.3	6657.3	1	10	2006	2:39	218	19.85	34.18	10.59	35.25	20
228	224	4037.8	6656.5	1	10	2006	3:04	255	19.87	34.16	9.85	35.23	4
229	225	4052.6	6641.4	1	10	2006	6:05	110	15.91	32.43	11.62	34.84	4
230	226	4102.6	6644.4	1	10	2006	8:06	75	15.07	32.28	8.82	33.36	4
231	227	4108.0	6644.9	1	10	2006	9:31	73	15.01	32.27	9.41	33.09	4
232	228	4115.8	6639.3	1	10	2006	11:04	80	15.26	32.21	9.20	32.96	5
233	229	4117.8	6659.2	1	10	2006	13:11	65	15.32	32.22	13.03	32.39	4
234	229	4118.0	6659.5	1	10	2006	13:37	65	15.29	32.22	13.05	32.39	4
235	230	4139.7	6700.2	1	10	2006	16:31	61	15.21	32.24	15.20	32.24	4
236	231	4148.5	6653.6	1	10	2006	18:52	66	15.04	32.24	15.04	32.24	5
237	232	4147.2	6646.8	1	10	2006	20:49	60	14.98	32.24	14.95	32.25	5
238	233	4128.7	6646.5	1	10	2006	23:21	72	15.23	32.22	12.55	32.41	4
239	234	4121.3	6636.0	2	10	2006	1:21	85	15.09	32.23	9.89	32.86	3
240	235	4117.1	6622.9	2	10	2006	3:10	91	15.40	32.12	8.50	33.15	3
241	236	4106.1	6622.6	2	10	2006	5:03	183	16.85	32.69	11.30	35.39	4
242	237	4125.2	6606.1	2	10	2006	8:13	133	15.42	32.16	9.70	34.81	4
243	238	4127.8	6602.2	2	10	2006	9:37	141	15.37	32.18	9.66	35.05	4
244	239	4136.5	6605.3	2	10	2006	11:16	95	15.02	32.28	8.23	33.71	4
245	240	4130.3	6622.1	2	10	2006	13:34	92	15.63	32.18	10.12	32.73	4
246	241	4137.7	6627.0	2	10	2006	15:19	80	15.60	32.22	12.56	32.43	1
247	242	4142.7	6622.4	2	10	2006	16:55	82	15.99	32.21	10.93	32.60	7
248	243	4153.7	6631.0	2	10	2006	19:10	78	15.90	32.08	9.53	32.74	4
249	244	4145.7	6606.3	2	10	2006	22:49	91	14.91	32.30	8.33	33.08	3
250	245	4152.9	6609.3	3	10	2006	1:16	87	14.49	32.33	8.26	32.95	5
251	246	4200.3	6552.0	3	10	2006	4:31	192	16.59	32.79	8.12	35.05	4
252	247	4211.4	6604.9	3	10	2006	7:31	243	16.31	32.71	7.44	35.08	41
253	247	4212.2	6605.5	3	10	2006	7:54	244	16.29	32.71	7.34	35.07	3
254	248	4209.3	6613.6	3	10	2006	10:11	194	14.52	32.33	8.97	34.99	3
255	249	4206.5	6621.4	3	10	2006	11:52	86	14.82	32.35	7.81	33.42	4
256	250	4201.5	6629.3	3	10	2006	13:31	78	15.51	32.16	9.42	32.76	5

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257	251	4157.7	6658.2	3	10	2006	16:52	60	15.46	32.24	15.46	32.24	3
258	252	4205.7	6654.4	3	10	2006	18:27	65	15.85	32.17	8.41	32.89	3
259	253	4211.3	6636.0	3	10	2006	20:34	207	15.70	32.56	8.67	35.05	6
260	254	4218.2	6645.3	3	10	2006	22:58	290	16.13	32.69	9.10	35.00	91
261	254	4218.1	6647.3	3	10	2006	23:34	293	16.17	32.69	8.42	35.11	3
262	255	4231.5	6659.7	4	10	2006	2:22	317	15.27	32.33	8.34	35.10	3
263	256	4218.5	6720.9	4	10	2006	5:31	283	15.87	32.04	8.08	35.08	3
264	257	4211.7	6741.6	4	10	2006	8:07	191	15.18	32.14	8.33	34.96	4
265	258	4200.7	6760.0	4	10	2006	10:31	195	16.19	32.15	7.92	34.48	4
266	259	4204.3	6807.9	4	10	2006	11:55	222	16.01	32.08	8.39	34.98	1
267	260	4157.0	6813.5	4	10	2006	13:46	224	16.51	31.90	8.22	34.78	3
268	261	4152.2	6758.8	4	10	2006	15:46	70	16.46	32.24	7.88	32.90	4
269	262	4146.1	6753.2	4	10	2006	17:15	33	15.78	32.25	15.75	32.25	4
270	263	4147.0	6804.6	4	10	2006	18:37	41	16.20	32.23	12.85	32.47	3
271	264	4136.7	6759.0	4	10	2006	20:30	30	17.01	32.12	16.62	32.17	4
272	265	4118.7	6811.9	4	10	2006	23:32	45	17.01	32.12	17.03	32.12	4
273	266	4122.7	6820.4	5	10	2006	0:55	60	16.66	32.13	16.40	32.16	6
274	267	4124.6	6835.1	5	10	2006	3:20	88	15.95	32.30	9.19	32.73	3
275	268	4114.8	6827.2	5	10	2006	5:03	53	15.72	32.21	15.61	32.22	4
276	269	4108.2	6843.1	5	10	2006	7:01	60	15.53	32.21	13.84	32.37	4
277	270	4117.0	6905.8	5	10	2006	9:46	154	17.01	31.66	6.37	33.18	3
278	271	4108.4	6911.8	5	10	2006	12:07	68	13.25	32.22	9.61	32.61	4
279	272	4133.5	6912.1	11	10	2006	20:34	161	14.61	32.20	6.55	33.51	4
280	273	4133.3	6852.0	11	10	2006	22:58	152	14.65	32.32	6.40	33.32	5
281	274	4138.2	6828.0	12	10	2006	2:27	94	14.49	32.32	6.92	33.03	4
282	275	4145.5	6820.2	12	10	2006	5:31	96	15.28	32.24	7.36	32.93	4
283	276	4148.6	6824.0	12	10	2006	7:26	211	15.41	32.24	8.20	34.78	10
284	277	4148.8	6841.0	12	10	2006	10:49	171	14.53	32.23	6.89	33.75	9
285	278	4150.4	6902.1	12	10	2006	13:19	165	15.46	32.02	6.75	33.68	6
286	279	4212.6	6924.9	12	10	2006	16:45	196	15.43	31.84	7.45	34.15	6
287	280	4218.7	6926.3	12	10	2006	18:37	223	15.59	31.97	7.76	34.36	3
288	281	4215.2	6912.0	12	10	2006	20:52	209	15.50	31.91	7.55	34.25	8

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289	282	4226.5	6856.2	12	10	2006	23:34	222	15.30	31.97	8.03	34.54	5
290	283	4228.6	6846.0	13	10	2006	1:25	195	15.33	32.03	7.59	34.22	4
291	284	4253.7	6901.2	13	10	2006	5:49	130	14.36	32.21	7.91	33.53	9
292	285	4300.0	6855.5	13	10	2006	7:49	137	13.59	32.46	7.63	33.66	6
293	286	4257.5	6826.5	13	10	2006	11:30	173	13.31	32.73	8.03	34.24	1
294	287	4247.2	6819.8	13	10	2006	13:52	203	13.38	99.99	8.11	34.43	5
295	288	4230.7	6829.9	13	10	2006	16:30	214	14.71	32.20	8.19	34.69	14
296	289	4221.3	6809.4	13	10	2006	20:01	186	15.13	32.12	7.81	34.40	5
297	290	4242.9	6752.0	14	10	2006	0:12	180	14.69	32.18	8.22	34.53	6
298	291	4300.3	6807.6	14	10	2006	3:10	220	13.72	32.39	8.37	34.48	6
299	292	4318.7	6753.9	14	10	2006	6:07	232	13.63	32.52	8.75	34.65	35
300	292	4319.2	6754.1	14	10	2006	6:26	237	13.62	32.52	8.76	34.66	5
301	293	4314.6	6747.9	14	10	2006	8:07	241	13.73	32.48	8.48	34.54	3
302	294	4254.7	6723.1	14	10	2006	11:31	251	13.87	32.39	8.71	34.72	4
303	295	4240.6	6722.1	14	10	2006	13:43	235	13.73	32.51	8.69	35.08	6
304	296	4305.5	6644.3	14	10	2006	17:53	112	12.85	32.98	10.54	34.17	3
305	297	4312.7	6649.1	14	10	2006	20:16	141	12.70	33.01	9.98	34.15	5
306	298	4320.3	6622.5	14	10	2006	23:28	62	12.26	31.89	11.81	32.68	5
307	299	4327.7	6659.6	15	10	2006	2:58	214	12.65	33.01	9.20	34.72	10
308	300	4345.0	6712.9	15	10	2006	5:46	163	12.77	32.88	9.51	34.54	6
309	301	4342.7	6652.3	15	10	2006	8:55	153	12.75	32.87	9.69	34.24	5
310	302	4342.8	6644.5	15	10	2006	10:52	145	12.98	32.76	10.15	34.04	7
311	303	4357.2	6637.0	15	10	2006	13:36	97	11.79	32.97	11.26	33.29	7
312	304	4357.6	6631.2	15	10	2006	16:00	85	12.02	32.26	11.50	33.12	4
313	305	4412.4	6630.4	15	10	2006	18:08	86	11.84	32.76	11.62	32.90	4
314	306	4416.8	6709.9	15	10	2006	22:25	180	12.05	33.09	8.93	34.35	4
315	307	4414.6	6707.9	16	10	2006	0:01	141	12.07	33.10	9.22	34.19	4
316	308	4409.4	6717.7	16	10	2006	1:42	154	12.26	33.03	9.00	34.30	4
317	309	4345.7	6741.5	16	10	2006	5:13	230	13.02	32.82	8.96	34.65	29
318	309	4346.1	6742.0	16	10	2006	5:34	229	12.98	32.83	8.91	34.66	5
319	310	4403.0	6753.5	16	10	2006	9:53	102	11.89	33.11	10.41	33.52	6
320	311	4411.4	6754.5	16	10	2006	12:23	84	11.51	33.01	11.03	33.22	1

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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
321	312	4359.9	6816.9	16	10	2006	14:49	98	11.49	32.97	10.52	33.34	7
322	313	4356.2	6823.3	16	10	2006	17:15	97	11.83	32.84	10.90	33.19	5
323	314	4330.4	6840.2	16	10	2006	20:55	140	12.37	32.92	9.05	33.78	5
324	315	4348.4	6835.2	17	10	2006	3:46	96	11.64	32.92	10.04	33.49	3
325	316	4330.3	6925.4	17	10	2006	10:55	153	11.97	32.86	8.21	33.60	5
326	317	4337.6	6933.6	17	10	2006	13:49	98	12.07	32.55	10.31	33.13	13
327	318	4332.8	6942.7	17	10	2006	16:58	82	12.12	31.52	10.15	33.15	4
328	319	4318.5	6935.3	17	10	2006	21:22	159	12.07	32.81	7.09	33.53	4
329	320	4309.2	6936.7	17	10	2006	22:31	76	12.67	32.78	9.20	33.22	4
330	321	4306.8	6924.0	18	10	2006	0:37	183	12.81	32.76	7.35	33.73	3
331	322	4306.0	6941.4	18	10	2006	2:43	100	12.28	32.81	7.66	33.28	4
332	323	4309.5	6959.3	18	10	2006	4:43	116	12.24	32.38	8.31	32.97	9
333	324	4306.6	7005.6	18	10	2006	6:18	133	12.38	32.39	6.87	32.94	7
334	325	4314.6	7006.3	18	10	2006	8:25	142	12.26	32.43	7.17	33.30	6
335	326	4311.6	7010.0	18	10	2006	12:06	121	12.21	32.21	7.81	33.08	2
336	327	4302.3	7015.4	18	10	2006	15:41	161	12.50	32.10	6.35	33.01	5
337	328	4254.7	7008.0	18	10	2006	18:13	61	12.70	32.25	9.22	32.67	5
338	329	4247.8	7008.1	18	10	2006	19:53	88	12.85	32.05	9.39	32.91	4
339	330	4258.1	6959.8	18	10	2006	21:55	135	12.78	32.35	7.55	33.23	4
340	331	4254.7	6951.2	18	10	2006	23:49	243	12.55	32.41	7.99	34.44	4
341	332	4244.0	6941.3	19	10	2006	2:01	285	13.66	32.28	7.68	34.28	84
342	332	4244.5	6941.7	19	10	2006	2:25	275	13.66	32.27	8.06	34.49	6
343	333	4232.9	7008.1	19	10	2006	5:26	85	12.72	32.07	9.86	32.92	8
344	334	4245.9	7020.4	19	10	2006	7:37	49	12.55	32.03	8.51	32.44	7
345	335	4250.5	7024.5	19	10	2006	8:55	107	12.61	31.92	6.66	32.68	4
346	337	4252.6	7037.3	19	10	2006	12:08	76	13.03	31.77	8.21	32.55	5
347	338	4245.6	7040.2	19	10	2006	14:43	48	13.27	31.86	9.52	32.44	4
348	339	4239.4	7030.8	19	10	2006	16:27	82	13.10	31.76	8.02	32.47	4
349	340	4231.9	7039.5	19	10	2006	19:22	47	13.04	31.76	9.47	32.53	4
350	340	4232.0	7036.5	19	10	2006	20:16	62	13.14	31.78	9.15	32.60	4
351	341	4226.3	7044.4	19	10	2006	21:55	48	13.32	31.69	10.05	32.54	4
352	342	4221.5	7031.0	20	10	2006	0:03	88	13.28	31.79	8.18	32.51	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
353	344	4145.9	7019.9	23	10	2006	23:49	16	13.32	31.62	13.32	31.62	5
354	345	4149.7	7017.3	24	10	2006	1:07	24	13.25	31.63	13.23	31.64	6
355	346	4201.0	7012.5	24	10	2006	2:52	43	13.13	31.65	9.74	32.10	8
356	347	4201.8	7019.6	24	10	2006	4:43	53	12.24	31.93	9.35	32.19	4
357	348	4156.5	7029.9	24	10	2006	6:28	31	12.30	31.72	11.36	31.89	4
358	349	4158.9	7029.4	24	10	2006	10:01	43	12.17	31.73	9.94	32.09	9
359	350	4206.1	7027.0	24	10	2006	10:52	54	12.13	31.93	8.77	32.27	4
360	351	4208.1	7021.7	24	10	2006	13:01	59	12.13	31.93	10.38	32.27	3
361	352	4215.5	7033.9	24	10	2006	14:52	54	12.28	31.80	8.59	32.40	8
362	354	4224.7	7048.1	24	10	2006	20:28	34	11.86	31.90	10.49	32.45	9
363	355	4222.6	7039.8	24	10	2006	21:49	67	12.26	31.87	9.39	32.55	9
364	356	4224.4	7018.2	25	10	2006	0:07	56	11.86	32.16	10.28	32.42	6
365	357	4222.4	7013.4	25	10	2006	1:31	61	12.13	32.20	9.49	32.61	11
366	358	4206.3	7009.9	25	10	2006	3:45	38	11.68	31.93	11.17	32.20	5
367	359	4209.7	6946.8	25	10	2006	6:07	163	11.80	32.60	7.56	34.35	3
368	360	4152.1	6955.2	25	10	2006	8:34	22	11.69	32.07	11.71	32.07	3
369	361	4148.4	6925.6	25	10	2006	11:40	182	13.19	32.14	7.10	33.94	5
370	362	4138.2	6931.4	25	10	2006	15:08	85	11.89	32.20	8.93	32.75	2
371	364	4127.4	6935.3	25	10	2006	18:52	30	12.36	32.21	12.36	32.22	9
372	365	4121.4	6934.9	25	10	2006	20:00	29	12.49	32.21	12.49	32.21	6
373	366	4124.1	6922.4	25	10	2006	22:55	51	12.92	32.15	11.51	32.39	7
374	367	4107.9	6930.8	26	10	2006	4:24	32	12.56	32.13	12.56	32.13	3