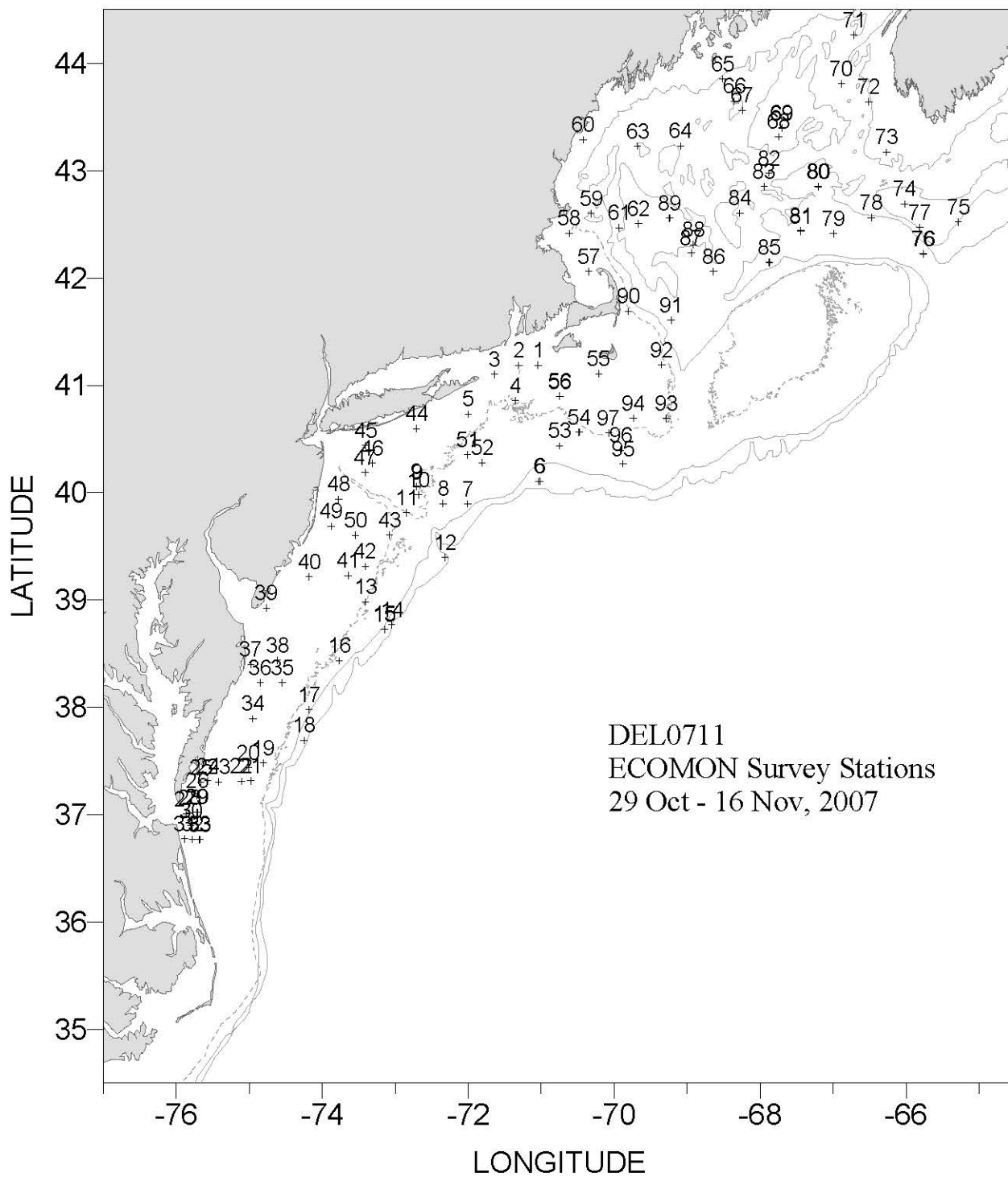


Oceanography Branch CTD Data Report
CTD REPORT 2007011DE

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Date: 12/12/07



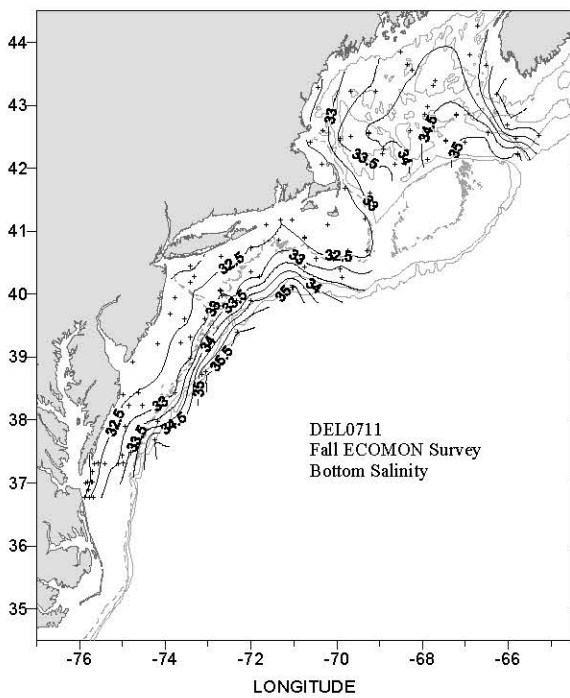
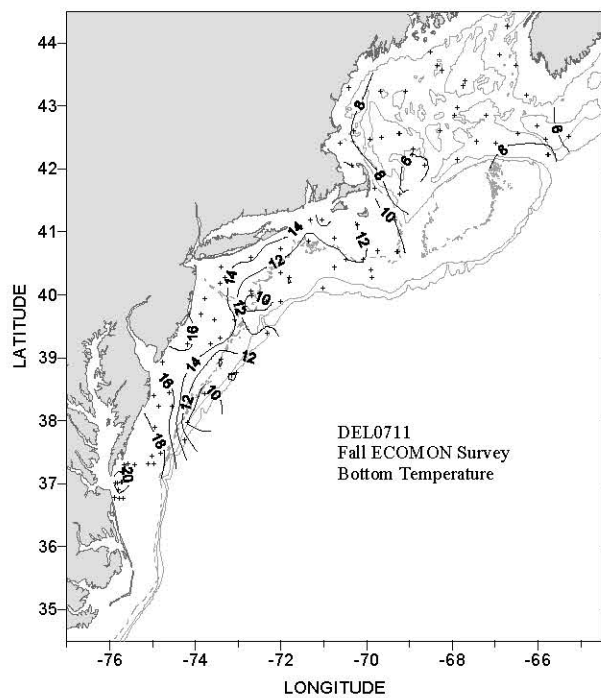
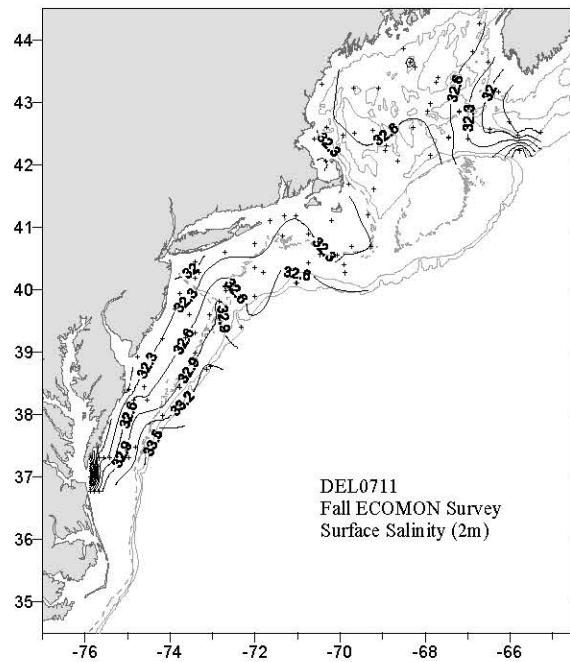
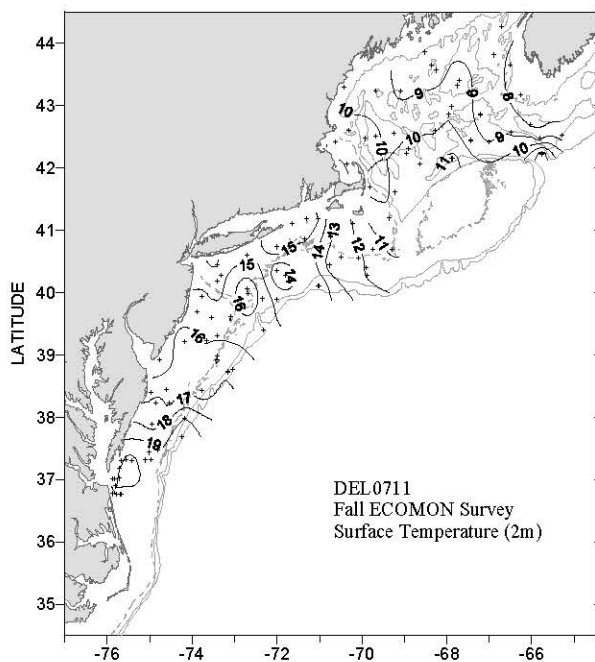
Regional average surface and bottom temperature / salinity and anomalies for the Fall ECOMON survey DEL0711.

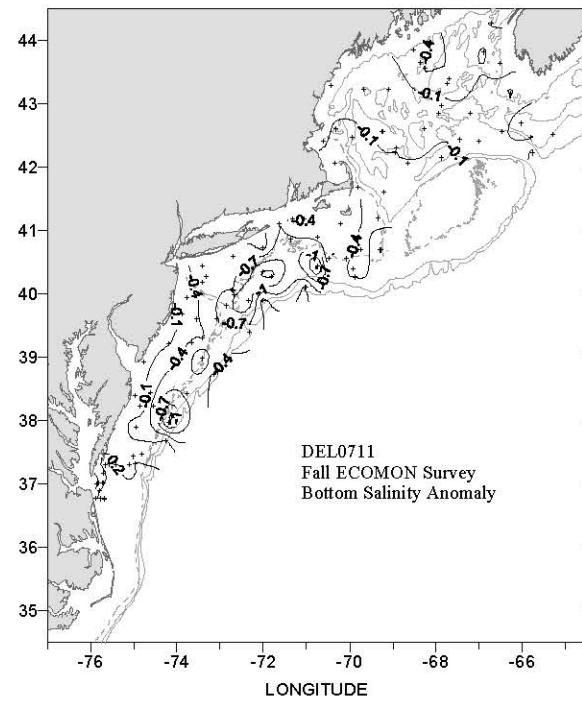
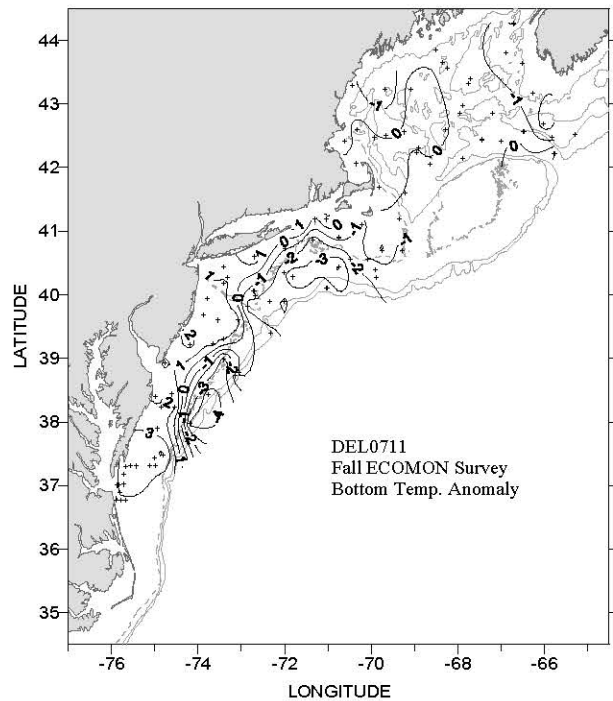
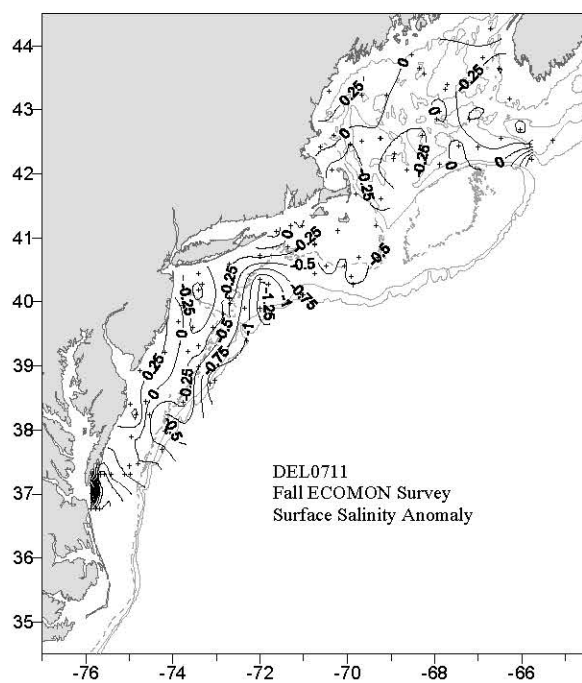
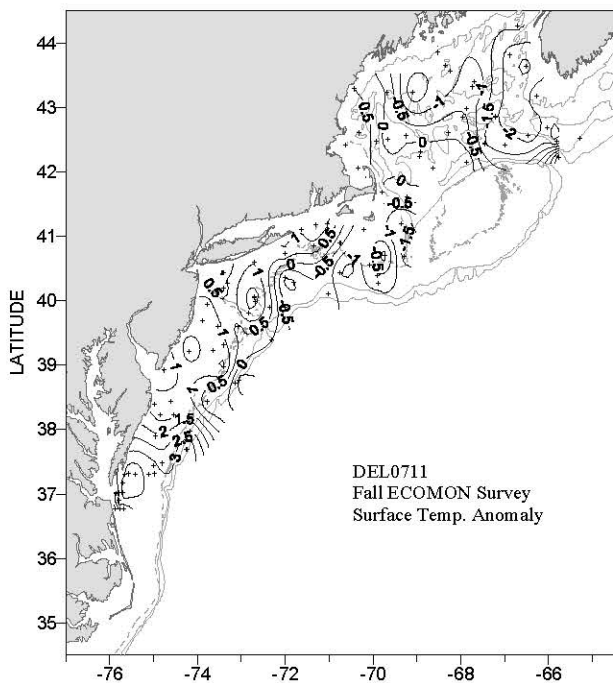
Decimal Year Day	Number of Surface obs	Surface Temp/Salt	Surface T/S Anomaly	SDV1	SDV2	Surface Flag*	Number of Bottom obs.	Bottom Temp/Salt	Bottom T/S Anomaly	SDV1	SDV2	Bottom Flag*
ast												
2007.87	18	8.92	-1.53	0.24	1.24	0	12	7.49	-0.77	0.3	0.82	0
2007.87	18	32.46	-0.22	0.17	0.41	0	12	34.13	-0.12	0.16	0.23	0
Gulf of Maine E												
2007.87	15	9.72	-0.29	0.28	2.06	1	12	6.62	-0.13	0.28	2.9	1
2007.87	15	32.65	-0.12	0.18	0.62	1	12	33.67	-0.1	0.15	0.71	1
Gulf of Maine West												
2007.85	25	13.94	-0.11	0.25	1.19	0	20	11.58	-1.56	0.31	1.74	0
2007.85	25	32.39	-0.53	0.17	0.37	0	20	32.79	-0.76	0.18	0.42	0
MAB-North												
2007.84	43	17.71	2.07	0.2	1.25	1	34	17.06	1.79	0.23	2.36	1
2007.84	43	32.42	-0.06	0.17	0.76	1	34	32.57	-0.14	0.15	0.45	1

* A Flag value of 0 indicates that there were enough observations to calculate an area weighted value for the region.

A Flag value of 1 indicates that the spatial distribution of the observations was not sufficient to calculate an area weighted average for the region, and instead a simple average of the observations was calculated.

** SDV1 = the standard deviation associated with the average temperature / salinity
the standard deviation of the individual anomalies from which the average anomaly was derived
SDV2 =





DEL0711 Fall Ecomon Survey

29 October - 15 November, 2007

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	4111.2	7102.5	29	10	2007	20:13	31	15.12	32.27	14.96	32.29	3
2	2	4111.1	7118.4	29	10	2007	21:36	41	15.58	32.23	13.09	32.49	5
3	3	4106.1	7138.3	29	10	2007	23:25	32	15.11	32.05	15.12	32.06	5
4	4	4051.5	7121.3	30	10	2007	1:28	59	15.11	32.41	10.64	32.68	5
5	5	4043.9	7200.0	30	10	2007	4:33	45	15.85	32.14	13.33	32.54	4
6	6	4006.4	7101.0	30	10	2007	10:21	159	14.91	32.86	14.92	32.86	144
7	6	4006.3	7101.9	30	10	2007	10:28	165	14.93	32.87	10.71	35.25	4
8	7	3953.7	7200.4	30	10	2007	15:23	98	14.69	32.44	10.75	34.45	5
9	8	3953.9	7220.7	30	10	2007	17:16	77	15.78	32.68	9.16	33.00	6
10	9	4003.6	7242.6	30	10	2007	19:36	57	16.86	32.73	16.74	32.73	31
11	9	4003.4	7242.5	30	10	2007	19:40	57	16.85	32.73	10.06	32.97	5
12	9	4003.2	7242.3	30	10	2007	19:51	57	16.82	32.73	10.05	32.97	3
13	9	4003.2	7242.3	30	10	2007	20:07	57	16.82	32.72	10.02	32.97	8
14	10	3958.8	7240.9	30	10	2007	20:43	57	16.55	32.66	9.90	33.02	4
15	11	3948.8	7250.7	30	10	2007	22:06	63	16.55	32.95	9.40	32.98	4
16	12	3923.8	7219.0	31	10	2007	1:37	155	15.16	32.61	12.73	35.53	5
17	13	3858.9	7324.4	31	10	2007	7:15	61	17.09	32.79	9.27	32.90	4
18	14	3846.2	7302.7	31	10	2007	9:21	192	16.73	33.20	11.21	35.39	5
19	15	3843.7	7308.8	31	10	2007	10:19	122	16.94	33.28	17.28	33.40	103
20	15	3843.6	7308.8	31	10	2007	10:25	123	16.96	33.29	12.94	35.34	5
21	16	3826.0	7346.1	31	10	2007	13:49	68	16.34	32.92	9.00	32.95	4
22	17	3758.7	7410.8	31	10	2007	17:16	86	18.99	33.01	9.69	33.55	4
23	18	3741.5	7414.9	31	10	2007	19:13	126	19.82	33.76	19.80	33.83	102
24	18	3741.6	7414.8	31	10	2007	19:19	128	19.96	33.80	12.95	35.06	6
25	19	3728.8	7448.5	31	10	2007	22:25	48	18.89	33.13	18.88	33.57	4
26	20	3726.2	7500.6	31	10	2007	23:31	33	19.86	32.91	19.51	33.04	4
27	21	3718.9	7458.7	1	11	2007	0:26	42	19.80	32.92	19.13	33.33	6
28	22	3718.7	7506.4	1	11	2007	1:15	31	19.46	32.96	19.35	32.96	4
29	23	3718.4	7525.2	1	11	2007	2:58	25	20.26	32.33	19.95	32.87	3
30	24	3718.9	7534.1	1	11	2007	3:54	17	20.25	32.16	20.25	32.17	4
31	25	3718.1	7539.7	1	11	2007	4:35	13	19.69	32.35	19.70	32.34	2
32	26	3710.5	7542.7	1	11	2007	5:41	14	20.01	32.06	20.00	32.07	4

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
33	27	3700.4	7552.0	1	11	2007	7:39	11	19.15	28.59	20.13	31.51	3
34	28	3701.0	7549.1	1	11	2007	8:03	13	19.24	29.11	20.50	31.80	4
35	29	3701.3	7543.2	1	11	2007	8:38	17	20.48	31.94	20.58	32.04	5
36	29	3701.3	7542.6	1	11	2007	8:55	17	20.47	31.95	20.62	32.18	5
37	30	3653.9	7548.0	1	11	2007	10:01	15	20.18	31.32	20.66	32.04	4
38	31	3646.5	7553.1	4	11	2007	16:28	15	18.16	31.69	18.25	31.91	4
39	32	3646.3	7546.8	4	11	2007	17:16	19	19.22	32.32	19.10	32.33	5
40	33	3646.3	7540.7	4	11	2007	18:01	21	19.21	32.71	19.04	32.73	4
41	33	3646.1	7540.9	4	11	2007	18:12	21	19.24	32.68	19.02	32.73	4
42	34	3753.7	7456.9	5	11	2007	1:49	25	17.50	32.79	17.64	32.89	4
43	35	3813.8	7432.8	5	11	2007	4:41	41	16.64	32.58	16.68	32.58	5
44	36	3813.8	7451.0	5	11	2007	6:18	27	17.38	32.70	17.39	32.70	3
45	37	3823.9	7458.6	5	11	2007	7:37	20	16.50	31.93	16.90	32.28	4
46	38	3826.4	7436.9	5	11	2007	9:33	30	16.92	32.54	16.82	32.54	5
47	39	3855.6	7445.9	5	11	2007	12:36	15	15.12	32.05	15.42	32.20	4
48	39	3855.5	7445.9	5	11	2007	12:43	14	14.75	31.68	15.39	32.17	3
49	40	3912.9	7410.9	5	11	2007	16:06	27	16.67	32.31	16.61	32.32	4
50	41	3913.7	7338.7	5	11	2007	18:46	45	15.79	32.59	15.59	32.64	22
51	41	3913.6	7338.7	5	11	2007	18:52	46	15.85	32.57	15.36	32.73	4
52	42	3918.7	7324.6	5	11	2007	20:16	48	15.73	32.76	15.33	32.84	3
53	43	3936.3	7304.8	5	11	2007	22:37	46	14.85	32.82	14.47	32.82	3
54	44	4035.8	7242.4	8	11	2007	6:01	37	14.57	32.21	14.60	32.27	5
55	45	4026.4	7324.4	8	11	2007	9:22	29	13.91	31.79	14.03	31.85	6
56	46	4016.5	7319.0	8	11	2007	10:40	37	14.76	32.21	14.77	32.21	5
57	47	4011.3	7324.6	8	11	2007	11:33	38	14.25	32.05	14.26	32.05	21
58	47	4011.3	7324.7	8	11	2007	11:38	39	14.27	32.06	15.03	32.49	6
59	48	3956.4	7346.5	8	11	2007	14:30	28	15.32	32.28	15.32	32.28	3
60	49	3941.3	7352.7	8	11	2007	16:10	28	15.30	32.29	15.30	32.29	5
61	50	3936.2	7332.7	8	11	2007	18:04	38	15.33	32.33	15.19	32.37	10
62	50	3936.1	7332.7	8	11	2007	18:10	38	15.32	32.34	15.12	32.40	3
63	51	4021.2	7200.6	9	11	2007	2:49	63	13.24	32.41	10.55	32.77	3
64	52	4016.8	7148.5	9	11	2007	3:58	75	13.30	32.42	9.89	32.86	5
65	53	4026.2	7045.1	9	11	2007	9:10	82	12.42	32.47	10.00	33.11	5
66	54	4033.8	7028.9	9	11	2007	10:55	64	12.36	32.35	12.36	32.35	47
67	54	4033.9	7028.8	9	11	2007	11:01	64	12.37	32.35	12.07	32.64	4
68	55	4106.5	7012.8	9	11	2007	14:34	26	11.95	32.10	11.88	32.10	5

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
69	56	4053.8	7044.8	9	11	2007	17:28	52	13.17	32.33	12.92	32.37	21
70	56	4053.9	7044.9	9	11	2007	17:32	52	13.13	32.33	12.93	32.37	1
71	57	4203.7	7020.8	10	11	2007	2:37	57	10.85	31.95	10.04	32.25	3
72	58	4225.0	7037.0	10	11	2007	5:46	85	10.32	32.16	8.26	32.59	4
73	59	4236.1	7018.9	10	11	2007	8:18	122	10.24	32.56	7.94	32.76	3
74	60	4317.3	7025.6	10	11	2007	14:46	28	9.57	32.38	9.58	32.39	5
75	61	4228.1	6955.9	10	11	2007	20:25	174	10.50	32.52	6.16	33.62	3
76	62	4230.4	6939.9	11	11	2007	0:09	245	10.23	32.63	6.57	34.05	43
77	63	4313.7	6940.8	11	11	2007	8:31	107	9.49	32.78	7.17	33.29	6
78	64	4313.8	6905.3	11	11	2007	12:22	136	8.83	32.86	7.14	33.56	9
79	65	4351.3	6830.9	11	11	2007	19:47	114	8.99	32.84	8.84	33.02	14
80	66	4338.9	6821.2	11	11	2007	21:25	186	8.71	32.91	6.79	33.99	5
81	67	4333.7	6814.7	11	11	2007	22:37	182	8.58	32.89	6.58	33.94	4
82	68	4319.0	6744.8	12	11	2007	1:46	263	9.55	32.76	6.92	34.19	64
83	69	4323.9	6742.1	12	11	2007	3:01	249	9.46	32.75	6.95	34.20	5
84	69	4323.7	6742.1	12	11	2007	3:19	251	9.47	32.75	6.93	34.18	50
85	70	4348.6	6653.3	12	11	2007	9:26	145	8.17	32.62	7.44	33.86	4
86	71	4415.9	6642.8	12	11	2007	13:03	186	8.37	32.68	7.21	33.83	5
87	72	4338.5	6630.7	12	11	2007	17:47	114	7.92	32.40	7.94	32.50	74
88	72	4338.5	6630.7	12	11	2007	17:52	113	7.90	32.44	8.00	33.24	6
89	73	4310.4	6616.1	12	11	2007	20:43	98	7.65	31.79	7.82	32.51	5
90	74	4241.4	6601.3	12	11	2007	23:55	76	7.87	31.71	6.99	32.56	5
91	75	4231.2	6517.1	13	11	2007	3:47	105	8.50	31.60	4.70	33.05	3
92	76	4213.5	6546.0	13	11	2007	7:00	224	12.59	33.54	9.24	35.13	4
93	76	4213.3	6545.7	13	11	2007	7:11	224	12.55	33.53	9.31	35.13	23
94	77	4228.3	6548.7	13	11	2007	9:34	102	8.57	31.67	7.27	33.66	4
95	78	4233.7	6628.6	13	11	2007	12:45	208	9.00	31.88	8.97	31.88	190
96	78	4233.7	6628.4	13	11	2007	12:51	208	8.80	31.93	7.75	34.93	5
97	79	4224.8	6659.8	13	11	2007	16:22	361	8.96	32.31	7.57	34.88	161
98	80	4251.3	6712.4	13	11	2007	20:13	240	8.76	32.46	7.80	34.72	5
99	80	4250.9	6712.1	13	11	2007	20:30	234	8.75	32.47	7.79	34.72	31
100	81	4226.5	6726.6	13	11	2007	23:23	312	9.41	32.69	7.56	34.88	5
101	81	4226.1	6726.6	13	11	2007	23:43	313	9.39	32.68	8.24	34.86	114
102	82	4258.6	6752.7	14	11	2007	3:46	191	9.25	32.87	7.19	34.31	5
103	83	4251.2	6756.8	14	11	2007	5:19	193	9.95	32.65	7.26	34.44	5
104	84	4236.2	6816.8	14	11	2007	8:04	183	9.88	32.51	6.91	34.27	5

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
105	85	4208.8	6752.7	14	11	2007	11:34	213	11.23	32.52	7.51	34.67	4
106	85	4208.7	6752.4	14	11	2007	11:48	209	11.34	32.53	7.47	34.64	8
107	86	4203.6	6838.4	14	11	2007	15:33	171	10.59	32.43	5.79	33.52	6
108	87	4214.0	6856.6	14	11	2007	17:28	178	10.44	32.43	5.93	33.60	4
109	88	4218.6	6854.9	14	11	2007	18:16	213	10.41	32.45	6.49	33.99	9
110	89	4233.5	6914.5	14	11	2007	20:52	225	9.40	32.77	6.61	34.07	3
111	89	4233.6	6914.2	14	11	2007	21:06	224	9.38	32.78	6.60	34.06	23
112	90	4141.4	6948.3	15	11	2007	3:46	41	9.64	32.37	9.70	32.40	4
113	91	4136.4	6913.1	15	11	2007	6:40	171	10.15	32.36	5.87	33.34	5
114	92	4111.5	6920.9	15	11	2007	9:38	54	10.08	32.38	10.07	32.38	4
115	93	4041.5	6917.2	15	11	2007	13:15	63	10.78	32.29	10.55	32.31	38
116	93	4041.5	6917.1	15	11	2007	13:21	53	10.78	32.29	10.47	32.31	1
117	94	4041.7	6944.3	15	11	2007	15:40	51	11.59	32.18	11.67	32.30	4
118	95	4016.2	6952.6	15	11	2007	18:47	86	11.92	32.46	11.17	33.31	5
119	96	4023.7	6954.7	15	11	2007	19:51	78	11.97	32.55	11.01	33.15	4
120	97	4033.4	7004.5	15	11	2007	21:23	60	12.16	32.11	12.14	32.46	4