

Oceanography Branch CTD Data Report
CTD_REPORT_2011002DE

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

DATE: April 23, 2012

Oceanography Branch CTD Data Report

CTD_REPORT_2011002DE

NOAA Fisheries Service
Northeast Fisheries Science Center
Woods Hole, MA 02543

DE 11-02
ECOMON
Data Coverage: 1 – 18 February, 2011
GOM, MAB, GB

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's ECOMON survey aboard the NOAA FSV *Delaware II*. All data were obtained with Seabird Electronics SBE Model 19+ profiling CTDs (s/n 4684 and 4501). Please note there is no data for station 18 and 103.

Data presented here have been audited, however, corrections and/or updates may be applied at a later time.

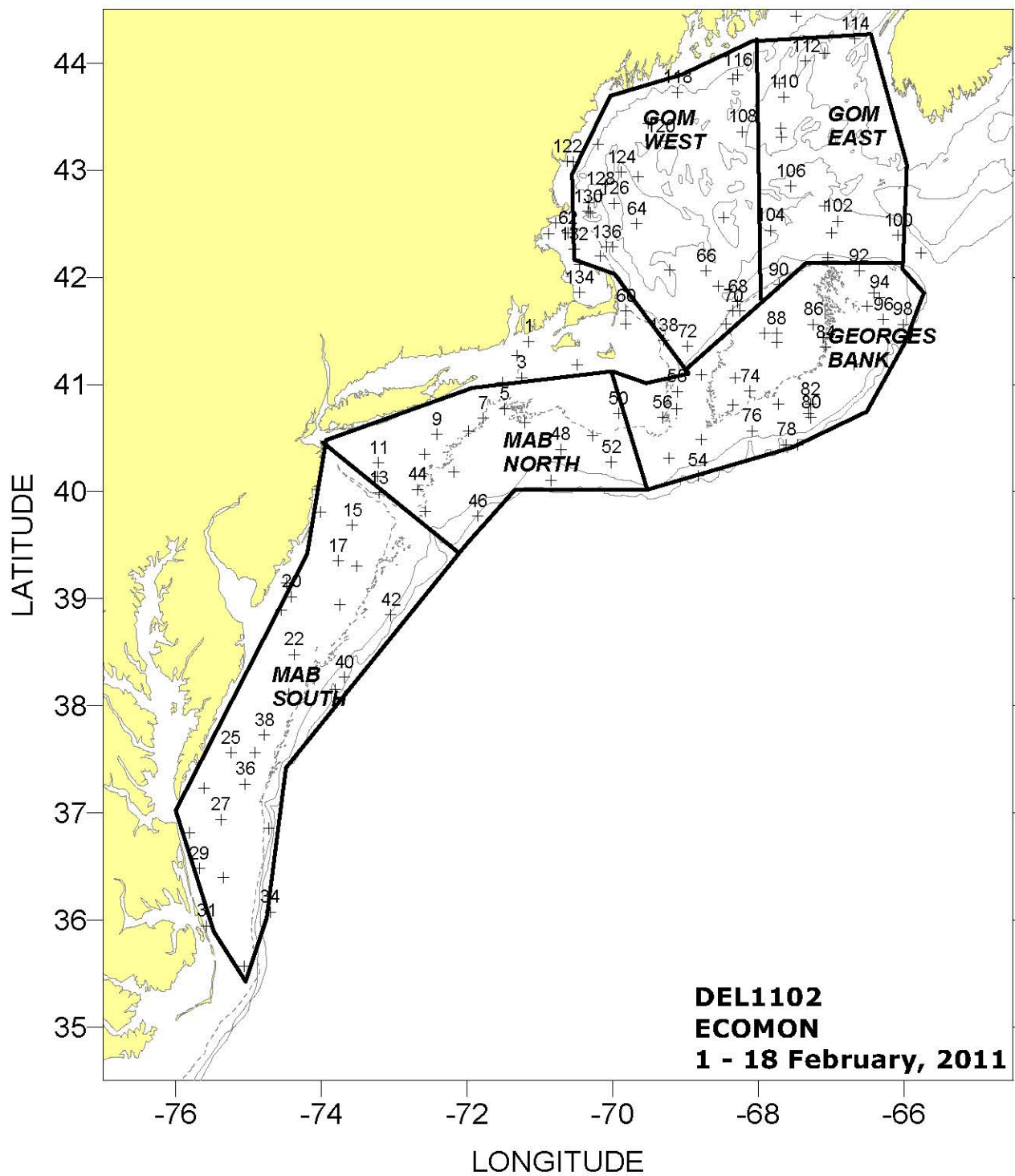
The most recent and complete station data can be found in an NODC formatted ASCII file at: <ftp://ftp.nefsc.noaa.gov/pub/hydro/del1102.dat>

This report may be viewed on the Oceanography Branch website at:

<http://www.nefsc.noaa.gov/HydroAtlas/>

choose: **2011 Cruises**
 FEB_ECOMON_DEL1102
 CTD_REPORT_2011002DE

Revised: April 23, 2012



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for DEL1102 - ECOMON.

		SURFACE						BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
GOM East														
DE1102	45	23	4.50	-0.26	0.21	1.69	1	14	8.33	1.00	0.26	2.66	1	22
DE1102	45	23	32.08	-0.70	0.15	0.89	1	14	34.43	0.16	0.13	1.06	1	22
GOM West														
DE1102	45	52	5.00	0.04	0.20	0.77	0	41	7.48	1.75	0.19	1.08	0	22
DE1102	45	52	32.33	-0.66	0.13	0.42	0	41	33.55	0.00	0.11	0.43	0	22
Georges Bank														
DE1102	42	37	5.97	0.79	0.18	0.68	0	29	6.11	0.13	0.22	1.11	0	22
DE1102	42	37	33.01	0.06	0.11	0.41	0	29	33.08	-0.10	0.13	0.35	0	22
MAB North														
DE1102	36	22	5.57	-0.49	0.28	0.99	0	17	5.8	-0.74	0.32	1.4	0	22
DE1102	36	22	32.78	-0.41	0.18	0.48	0	17	32.9	-0.67	0.19	0.41	0	22
MAB South														
DE1102	35	35	5.95	-0.63	0.24	1.43	0	25	5.37	-0.27	0.27	1.15	1	22
DE1102	35	35	32.91	-0.48	0.18	0.65	0	25	32.79	-0.36	0.17	0.54	1	22

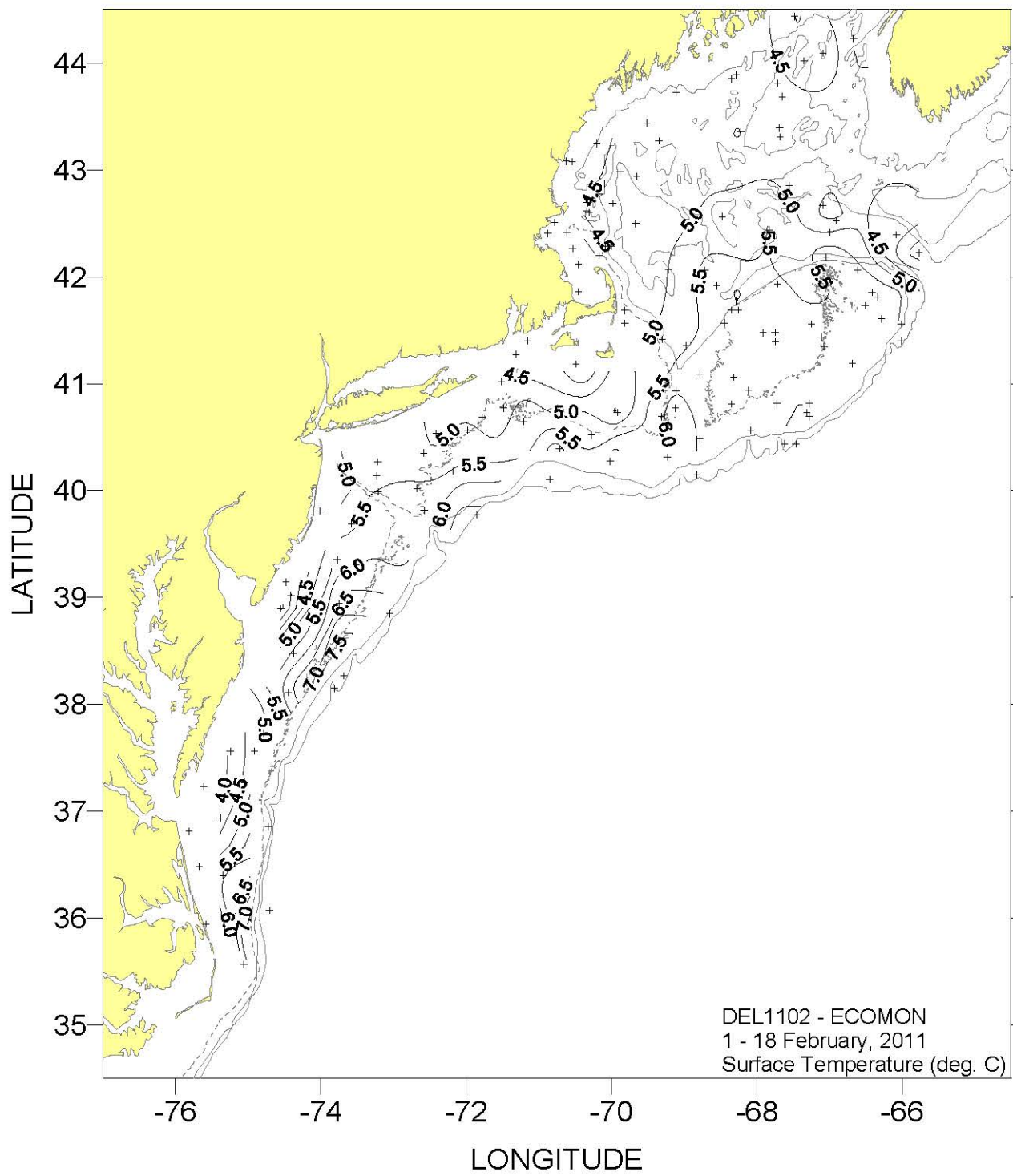
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

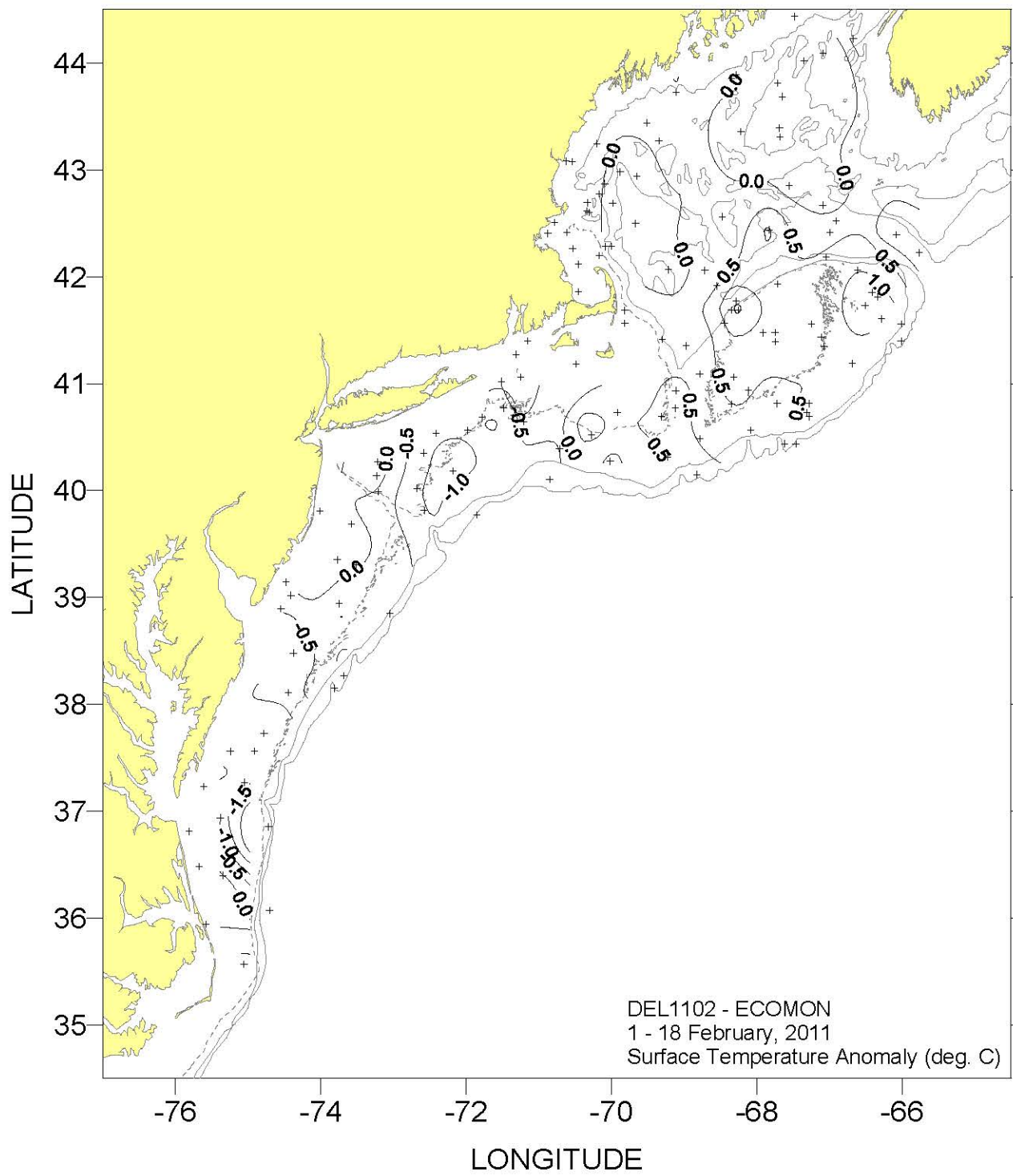
"#obs", the number of observations included in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

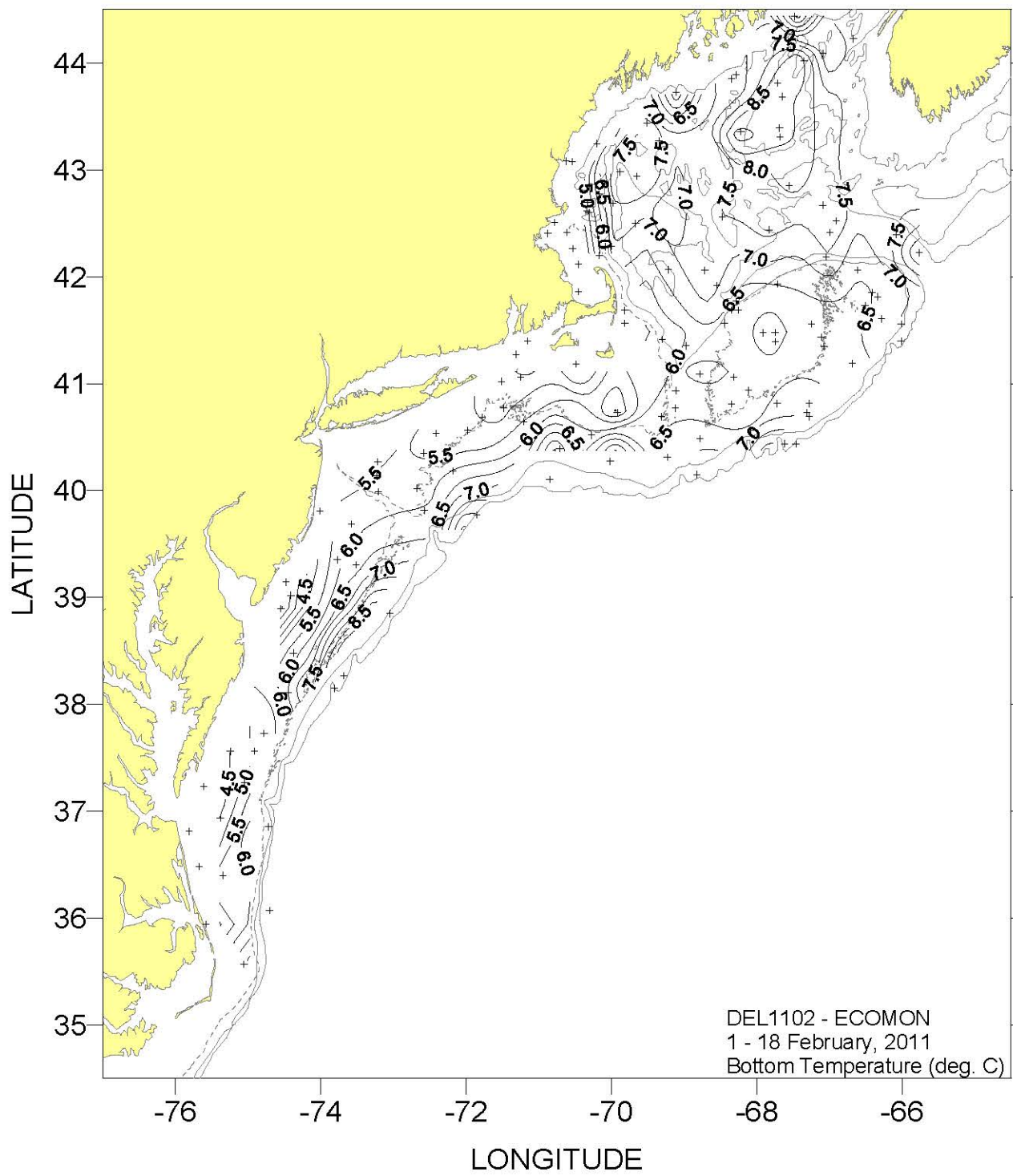
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

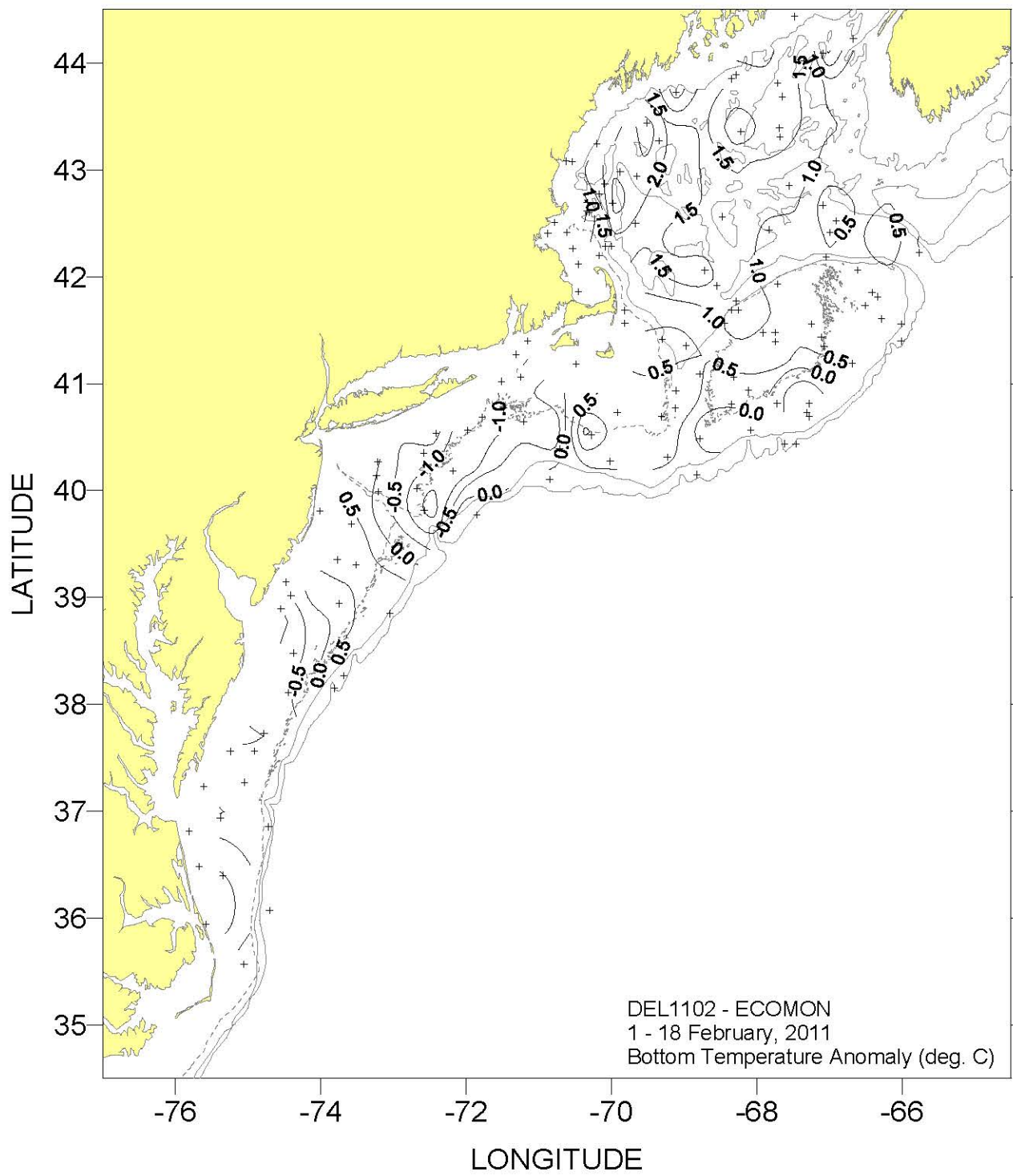
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

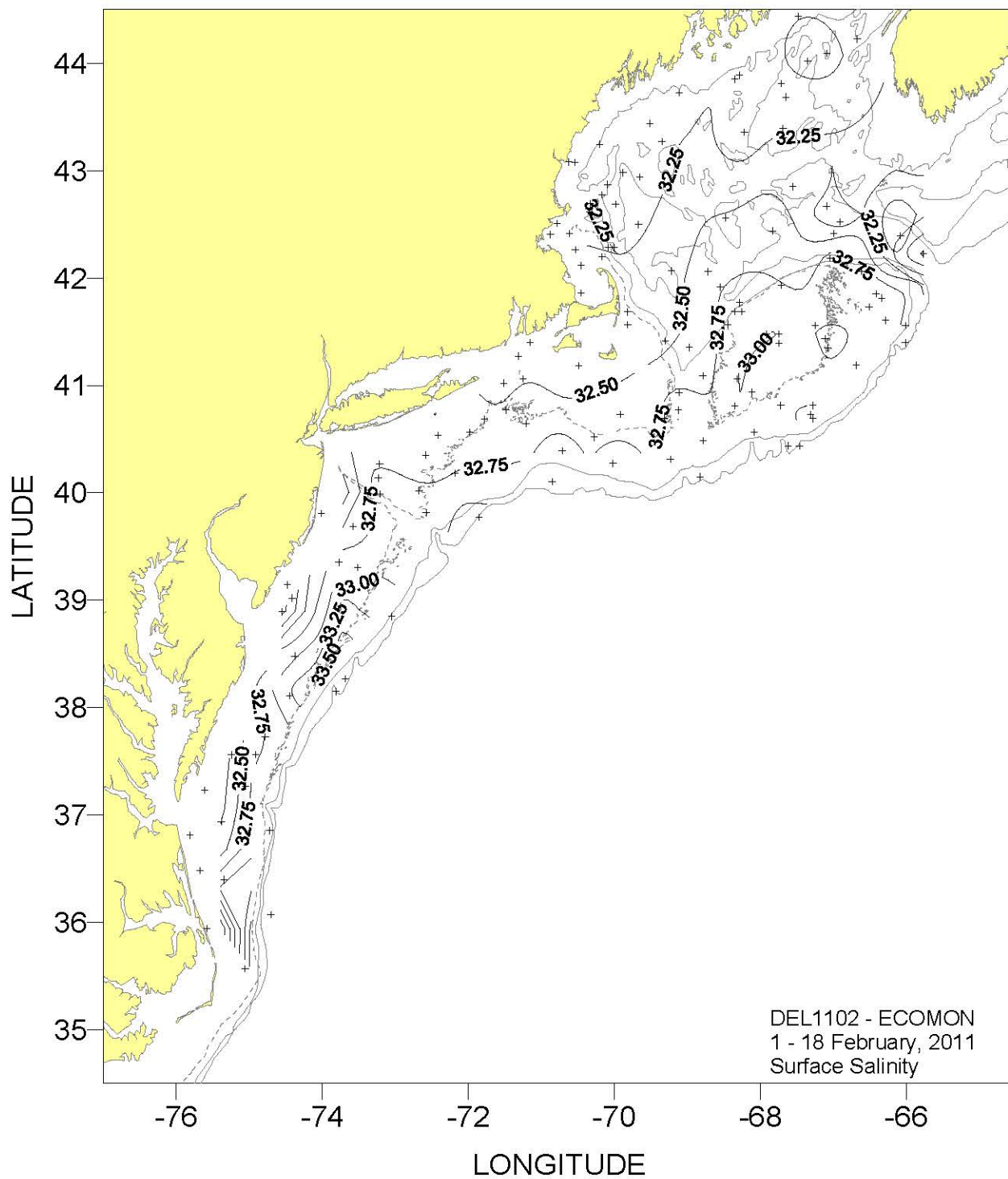
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

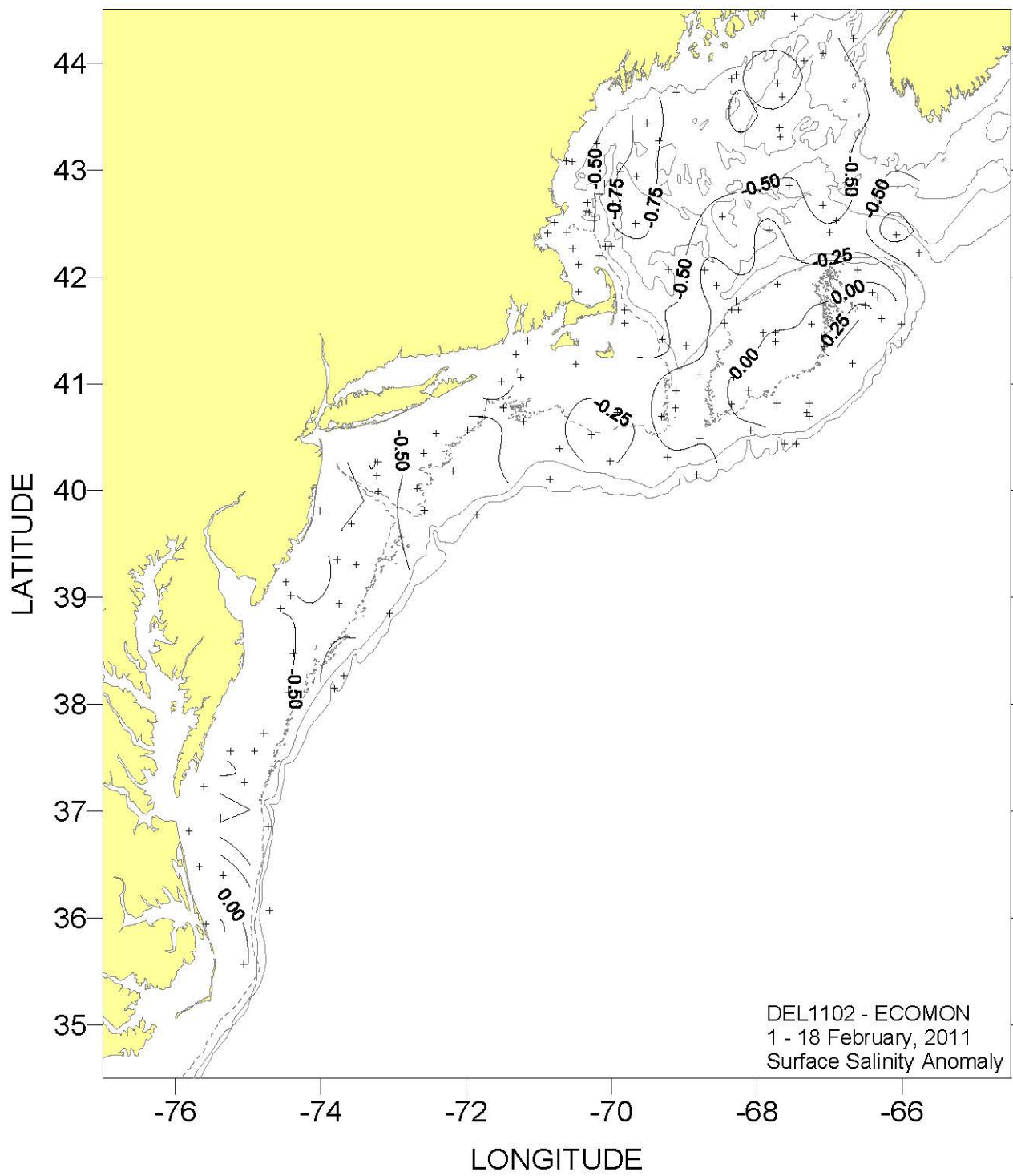


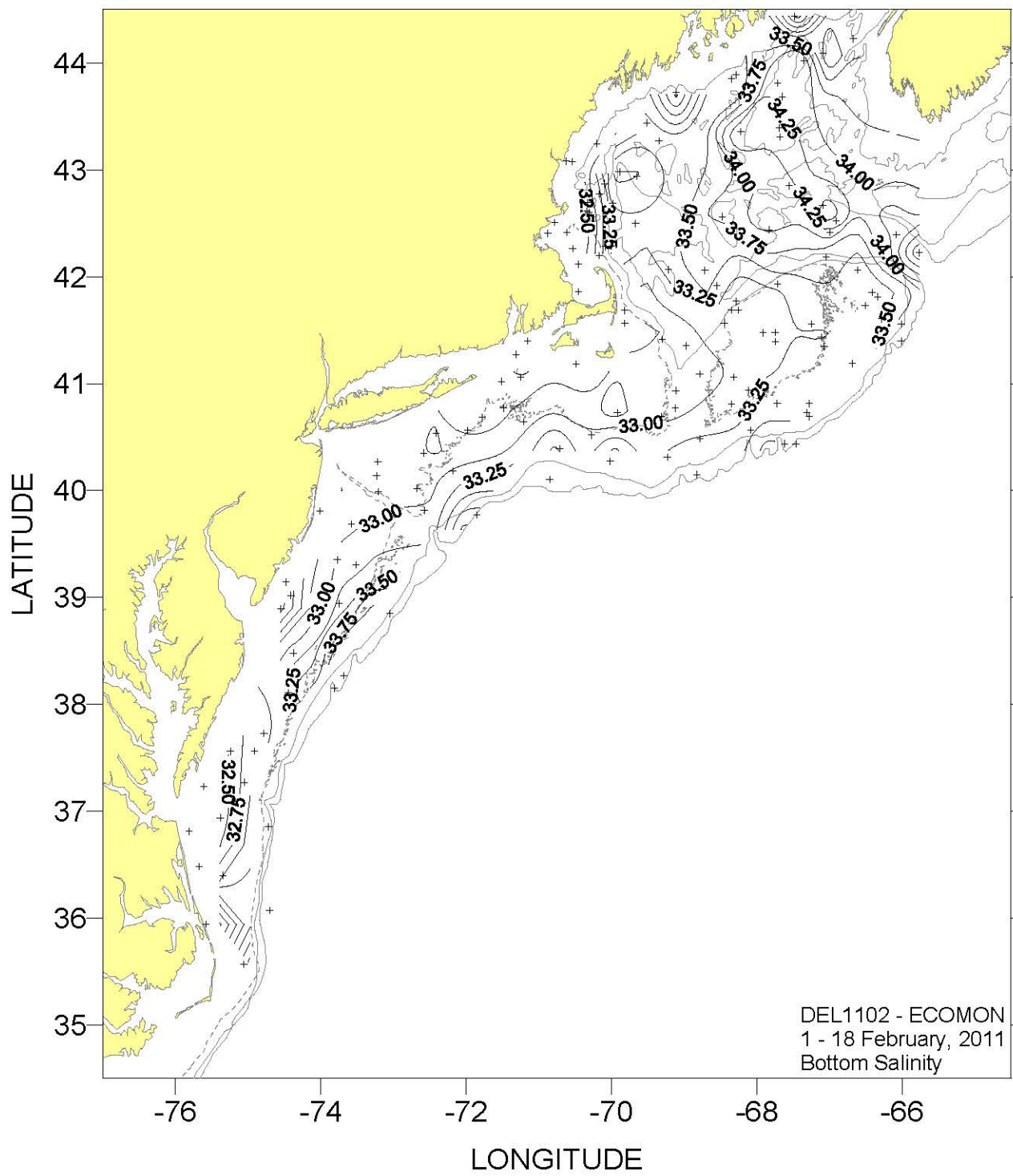


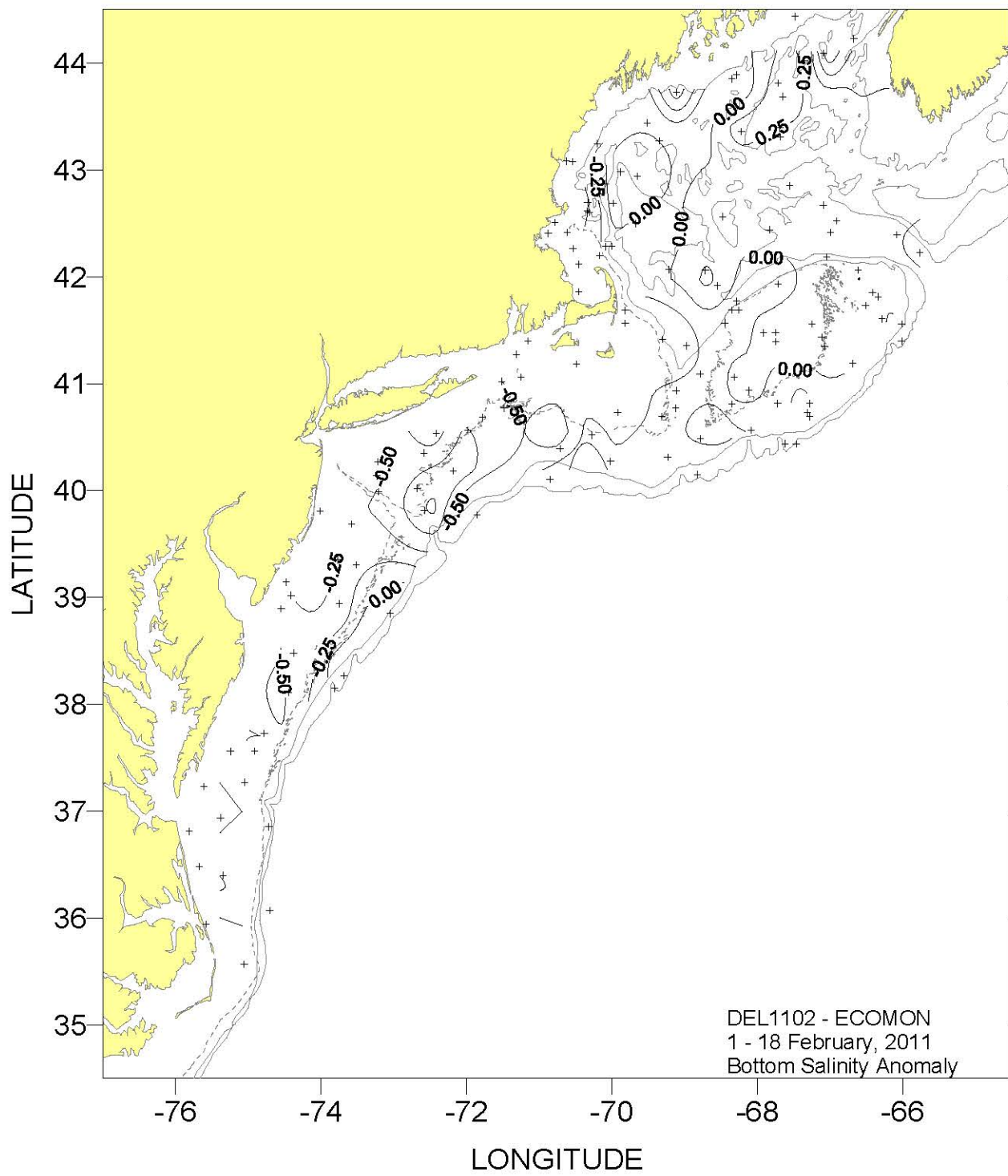












DEL1102
ECOMON
1 - 18 February, 2011

Cast #	Sta #	Lat (deg. N)	Lon (deg. W)	Day	Month	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg. C)	Sfc Salt	Deepest Observed		Meters from Bottom
											Temp (deg. C)	Salt	
1	1	4124.1	7109.1	1	2	2011	18:15	23	1.6	31.92	1.6	31.92	5
2	2	4116.4	7118.9	1	2	2011	19:25	38	4.0	32.33	3.4	32.28	5
3	3	4103.8	7114.8	1	2	2011	21:17	39	4.5	32.45	4.5	32.45	4
4	4	4101.3	7130.9	1	2	2011	22:47	49	4.6	32.43	4.7	32.44	1
5	5	4046.2	7128.9	2	2	2011	0:41	63	3.8	32.46	3.9	32.56	4
6	6	4038.6	7112.6	2	2	2011	2:46	65	5.8	32.92	5.4	32.90	4
7	7	4041.1	7146.7	2	2	2011	5:34	58	5.0	32.50	5.0	32.50	3
8	8	4033.8	7158.8	2	2	2011	6:58	61	4.9	32.53	4.9	32.54	4
9	9	4032.1	7224.9	2	2	2011	9:07	48	4.5	32.28	5.4	32.64	5
10	10	4021.1	7234.9	2	2	2011	11:04	51	5.0	32.51	5.1	32.62	4
11	11	4016.2	7312.8	2	2	2011	14:11	40	5.1	32.73	5.1	32.74	4
12	12	4008.4	7313.9	2	2	2011	16:34	43	5.3	32.80	5.2	32.81	4
13	12	4008.3	7313.9	2	2	2011	16:46	43	5.3	32.80	5.3	32.81	26
14	13	3959.3	7312.6	2	2	2011	17:55	58	5.7	32.84	5.7	32.85	3
15	14	3948.6	7400.6	2	2	2011	22:16	22	2.4	29.70	2.9	31.47	4
16	14	3948.5	7400.8	2	2	2011	22:23	22	2.5	30.16	2.4	30.72	18
17	15	3941.2	7334.5	3	2	2011	0:46	38	6.1	33.08	6.2	33.10	4
18	16	3918.4	7330.8	3	2	2011	3:22	48	6.6	33.27	6.7	33.27	4
19	17	3921.2	7346.3	3	2	2011	5:34	38	5.9	33.07	5.9	33.08	3
21	19	3908.7	7428.8	3	2	2011	9:40	17	2.8	31.67	2.9	31.73	4
22	20	3901.2	7424.6	3	2	2011	10:46	28	3.5	32.14	3.6	32.20	5
23	21	3853.7	7432.8	3	2	2011	11:56	26	2.9	31.90	2.9	31.90	4
24	22	3828.8	7422.5	3	2	2011	14:37	46	4.9	32.98	4.9	32.98	5
25	23	3806.6	7426.6	3	2	2011	16:57	44	6.1	33.29	6.2	33.30	4
27	25	3733.6	7514.6	3	2	2011	22:36	28	3.1	31.84	3.5	32.27	2
28	25	3733.6	7514.9	3	2	2011	22:43	28	3.0	31.84	3.1	31.84	16

Cast #	Sta #	Lat (deg. N)	Lon (deg. W)	Day	Month	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg. C)	Sfc Salt	Deepest Observed		Meters from Bottom
											Temp (deg. C)	Salt	
29	26	3713.9	7536.8	4	2	2011	1:22	21	3.0	31.30	3.0	31.30	5
30	27	3656.3	7522.9	4	2	2011	3:43	29	3.9	32.16	4.2	32.26	5
31	27	3656.6	7522.9	4	2	2011	3:54	31	3.9	32.15	3.9	32.16	18
32	28	3648.7	7548.7	4	2	2011	6:15	17	3.5	30.93	3.6	31.01	3
33	29	3628.9	7540.6	4	2	2011	8:31	23	4.1	31.95	4.2	31.99	6
34	30	3623.9	7520.8	4	2	2011	12:33	33	6.3	33.32	6.3	33.31	6
35	31	3556.6	7534.5	4	2	2011	15:40	20	4.3	31.17	4.3	31.23	4
36	32	3534.0	7503.3	4	2	2011	19:04	42	7.3	33.66	7.3	33.67	6
37	34	3604.4	7442.2	4	2	2011	23:51	346	12.3	35.33	12.7	35.60	143
38	35	3651.2	7443.0	5	2	2011	5:18	85	6.5	33.42	9.6	34.33	3
39	35	3651.4	7443.0	5	2	2011	5:30	85	6.5	33.42	9.6	34.31	26
40	36	3716.2	7502.9	5	2	2011	8:37	37	4.8	32.99	5.0	33.07	3
41	37	3733.8	7454.5	5	2	2011	10:34	33	5.0	32.94	5.0	32.95	5
42	38	3743.7	7446.8	5	2	2011	11:52	45	4.6	32.77	4.8	32.89	4
43	39	3809.0	7348.6	5	2	2011	17:22	120	10.8	34.61	13.7	35.70	5
44	39	3809.3	7348.2	5	2	2011	17:40	119	10.9	34.62	13.1	35.44	70
45	40	3816.1	7341.0	5	2	2011	18:43	133	11.2	34.77	13.6	35.68	5
46	41	3856.5	7344.6	5	2	2011	23:01	49	6.8	33.38	6.8	33.39	4
47	41	3856.4	7344.5	5	2	2011	23:10	49	6.8	33.36	6.8	33.38	31
48	42	3850.9	7302.8	6	2	2011	2:42	93	8.5	33.65	13.5	35.72	3
49	43	3948.9	7234.5	6	2	2011	12:40	60	6.0	32.98	6.0	32.97	6
50	44	4001.2	7240.7	6	2	2011	14:43	60	5.9	32.97	6.0	32.97	7
51	45	4011.1	7210.8	6	2	2011	17:19	70	5.2	32.70	5.4	32.77	3
52	46	3946.3	7151.1	6	2	2011	20:25	235	7.8	33.40	12.7	35.62	32
53	46	3945.9	7152.0	6	2	2011	20:55	226	7.8	33.41	12.4	35.59	2
54	46	3945.9	7152.0	6	2	2011	21:10	225	7.8	33.44	14.5	35.77	161
55	47	4006.3	7051.0	7	2	2011	2:34	145	7.0	33.09	13.1	35.61	4
56	48	4023.6	7042.7	7	2	2011	4:45	90	6.5	32.98	8.3	33.55	4
57	49	4111.0	7029.0	7	2	2011	10:01	37	2.5	32.28	2.8	32.33	3
58	50	4043.8	6955.1	7	2	2011	14:11	43	4.4	32.59	4.4	32.59	5
59	51	4031.2	7016.5	7	2	2011	16:25	65	5.7	32.79	5.6	32.81	6
60	52	4016.4	7000.9	7	2	2011	18:25	92	6.9	32.98	9.9	34.03	6
61	53	4018.7	6913.8	7	2	2011	22:10	88	6.5	32.97	7.6	33.45	4
62	54	4009.0	6849.6	8	2	2011	0:03	165	7.7	33.39	12.9	35.56	2

Cast #	Sta #	Lat (deg. N)	Lon (deg. W)	Day	Month	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg. C)	Sfc Salt	Deepest Observed		Meters from Bottom
											Temp (deg. C)	Salt	
63	55	4029.2	6846.8	8	2	2011	3:00	76	5.9	32.89	5.9	32.89	4
64	56	4041.5	6918.8	8	2	2011	5:58	57	5.9	32.79	5.9	32.80	4
65	57	4046.2	6907.1	8	2	2011	7:03	74	6.3	32.90	6.4	32.92	5
66	57	4046.4	6906.9	8	2	2011	7:15	73	6.3	32.91	6.3	32.91	55
67	58	4056.1	6906.8	8	2	2011	8:10	76	6.2	32.78	6.3	32.81	5
68	59	4133.9	6948.9	8	2	2011	13:53	22	4.7	32.29	4.7	32.28	4
69	60	4141.1	6948.9	8	2	2011	14:48	36	4.1	32.16	4.0	32.19	4
70	61	4224.4	7052.4	9	2	2011	20:28	31	3.1	32.07	3.3	32.09	4
71	62	4224.9	7036.8	9	2	2011	21:52	86	3.8	32.21	4.0	32.29	5
72	63	4236.2	7018.6	10	2	2011	0:09	80	4.8	32.35	4.9	32.39	7
73	64	4230.0	6940.0	10	2	2011	3:35	255	4.9	32.17	8.5	34.23	53
74	64	4229.5	6940.5	10	2	2011	4:01	261	4.9	32.17	8.4	34.29	3
75	65	4204.0	6913.0	10	2	2011	7:50	199	5.3	32.32	8.3	33.98	2
76	66	4203.6	6842.8	10	2	2011	10:40	164	6.0	32.83	8.6	34.22	7
77	67	4155.0	6833.0	10	2	2011	12:22	172	6.1	32.76	8.0	33.83	7
78	68	4146.3	6817.0	10	2	2011	14:16	94	6.3	32.91	6.4	32.97	8
79	69	4141.4	6815.0	10	2	2011	15:13	22	6.3	32.96	6.3	32.96	5
80	70	4141.3	6820.6	10	2	2011	15:46	58	6.2	32.90	6.4	32.96	5
81	71	4134.1	6826.8	10	2	2011	16:53	68	6.4	32.93	6.2	33.01	5
82	72	4121.3	6858.3	10	2	2011	19:58	48	5.8	32.74	6.6	33.00	2
83	73	4103.7	6818.9	10	2	2011	23:58	42	6.0	33.10	6.0	33.10	8
84	74	4056.2	6806.8	11	2	2011	1:19	45	5.4	33.09	5.4	33.09	6
85	75	4048.7	6820.8	11	2	2011	2:47	55	5.7	33.11	5.7	33.10	6
86	76	4034.0	6805.1	11	2	2011	5:00	100	5.8	32.90	7.3	33.33	7
87	77	4048.9	6743.1	11	2	2011	7:37	70	5.4	33.04	5.4	33.13	6
88	78	4026.3	6736.8	11	2	2011	10:04	152	6.8	33.25	12.6	35.33	7
89	79	4026.2	6727.7	11	2	2011	11:16	198	6.9	33.28	13.1	35.61	4
90	80	4041.5	6716.6	11	2	2011	13:43	97	6.4	33.07	7.4	33.45	5
91	81	4043.7	6718.7	11	2	2011	14:28	98	5.9	33.00	5.8	33.00	5
92	82	4048.8	6716.8	11	2	2011	15:22	94	6.3	33.03	5.8	33.04	6
93	82	4048.2	6717.1	11	2	2011	15:38	95	6.3	33.03	24.0	33.04	71
94	83	4111.3	6641.1	11	2	2011	19:25	80	6.1	33.04	6.1	33.10	4
95	84	4121.0	6704.4	11	2	2011	22:21	63	5.7	33.17	5.8	33.16	5
96	85	4126.1	6706.7	11	2	2011	23:12	58	5.8	33.20	5.8	33.20	6

Cast #	Sta #	Lat (deg. N)	Lon (deg. W)	Day	Month	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg. C)	Sfc Salt	Deepest Observed		Meters from Bottom
											Temp (deg. C)	Salt	
97	86	4133.6	6714.7	12	2	2011	0:38	47	5.8	33.13	5.9	33.13	5
98	87	4123.7	6744.5	12	2	2011	3:31	42	5.6	33.06	5.6	33.06	5
99	87	4123.4	6744.7	12	2	2011	3:42	41	5.5	33.09	5.6	33.06	29
100	88	4128.7	6744.9	12	2	2011	4:25	36	5.6	33.03	5.6	33.03	5
101	89	4128.6	6754.9	12	2	2011	5:22	40	5.6	33.05	5.5	33.05	4
102	90	4156.0	6742.8	12	2	2011	8:25	43	5.9	32.84	5.9	32.83	4
103	91	4211.1	6702.6	12	2	2011	12:03	143	6.0	32.89	7.5	33.50	6
104	92	4203.7	6636.8	12	2	2011	14:15	78	6.1	32.94	6.1	32.95	6
105	93	4151.3	6624.8	12	2	2011	15:52	83	6.3	33.19	6.4	33.20	5
106	94	4148.8	6620.1	12	2	2011	16:25	83	6.2	33.17	6.3	33.20	5
107	95	4143.8	6630.5	12	2	2011	17:31	74	6.1	33.17	6.2	33.19	5
108	95	4144.1	6630.3	12	2	2011	17:45	75	6.1	33.20	6.2	33.19	50
109	96	4136.4	6616.9	12	2	2011	19:19	90	6.0	33.06	6.2	33.10	6
110	97	4123.9	6600.7	12	2	2011	21:28	284	5.8	32.80	8.8	35.17	92
111	97	4124.4	6600.8	12	2	2011	22:23	266	5.3	32.57	7.7	35.09	4
112	98	4133.6	6600.7	12	2	2011	23:40	119	5.8	32.80	7.3	33.43	6
113	99	4213.6	6545.6	13	2	2011	4:41	229	3.2	31.44	9.0	35.22	12
114	100	4223.6	6604.6	13	2	2011	7:18	258	3.0	31.28	10.6	35.26	59
115	100	4223.9	6606.4	13	2	2011	7:50	257	3.0	31.28	7.9	35.10	8
116	101	4225.0	6659.3	13	2	2011	13:08	366	4.3	32.01	8.2	34.98	123
117	101	4224.3	6700.6	13	2	2011	13:45	366	4.3	32.02	8.1	35.03	5
118	102	4231.5	6654.3	13	2	2011	15:00	290	4.2	31.88	8.0	34.93	88
119	102	4231.5	6655.3	13	2	2011	15:28	291	4.2	31.88	7.9	34.92	8
121	103	4240.2	6705.5	13	2	2011	17:30	273	4.0	31.93	8.0	34.87	5
122	104	4226.4	6750.0	13	2	2011	22:17	201	6.2	32.94	8.7	34.81	7
123	105	4233.7	6828.5	14	2	2011	2:22	217	5.2	32.61	8.8	34.61	6
124	106	4251.1	6733.2	14	2	2011	7:22	170	5.2	32.48	9.0	34.78	2
125	107	4318.5	6740.8	14	2	2011	11:07	250	4.7	32.26	9.6	34.69	34
126	107	4318.0	6741.2	14	2	2011	11:46	250	4.7	32.27	9.6	34.72	6
127	108	4321.6	6812.9	14	2	2011	14:31	196	4.4	31.94	9.5	34.63	7
128	109	4323.5	6741.2	14	2	2011	17:13	250	4.7	32.20	9.5	34.68	47
129	109	4323.5	6741.2	14	2	2011	17:37	24	4.7	32.19	9.5	34.69	7
130	110	4341.1	6738.7	14	2	2011	19:38	238	4.5	32.17	9.4	34.64	37
131	110	4340.6	6738.3	14	2	2011	20:06	238	4.5	32.19	9.3	34.65	4

Cast #	Sta #	Lat (deg. N)	Lon (deg. W)	Day	Month	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg. C)	Sfc Salt	Deepest Observed		Meters from Bottom
											Temp (deg. C)	Salt	
132	111	4348.7	6742.8	14	2	2011	21:16	227	4.6	31.92	9.5	34.64	26
133	111	4348.0	6742.8	14	2	2011	21:46	230	4.6	31.93	9.5	34.64	3
134	112	4401.3	6720.8	15	2	2011	0:06	174	4.1	31.67	9.3	34.55	5
135	113	4406.5	6705.0	15	2	2011	1:55	139	4.2	31.87	6.4	32.88	0
136	113	4405.7	6705.1	15	2	2011	2:16	148	4.1	31.87	4.2	31.88	130
137	113	4405.7	6705.1	15	2	2011	2:22	147	4.2	31.87	4.2	31.88	127
138	114	4413.7	6640.2	15	2	2011	4:41	189	5.7	32.21	7.5	33.44	8
139	115	4426.1	6728.8	15	2	2011	8:58	100	3.9	32.00	4.1	32.05	5
140	116	4353.3	6816.9	15	2	2011	14:04	150	4.7	32.04	8.2	33.54	8
141	117	4351.1	6820.8	15	2	2011	14:52	118	4.6	32.13	6.1	32.60	6
142	118	4343.6	6906.5	15	2	2011	19:21	91	4.6	32.16	4.6	32.16	6
143	119	4326.4	6930.5	15	2	2011	22:12	167	4.5	32.06	8.8	33.45	8
144	120	4316.3	6920.8	15	2	2011	23:55	165	4.9	32.13	8.4	33.44	10
145	121	4314.8	7012.2	16	2	2011	4:10	113	4.5	32.18	6.4	32.67	7
146	121	4314.8	7012.1	16	2	2011	4:39	114	4.5	32.18	6.1	32.56	10
147	122	4305.0	7037.5	16	2	2011	7:03	18	2.2	31.82	2.2	31.80	5
148	122	4304.8	7037.6	16	2	2011	7:11	16	1.9	31.76	2.1	31.81	6
149	123	4304.7	7032.4	16	2	2011	7:55	51	3.4	32.04	3.6	32.06	6
150	123	4304.8	7032.8	16	2	2011	8:04	52	3.4	32.03	3.8	32.09	6
151	124	4258.9	6952.7	16	2	2011	11:16	225	4.8	32.14	8.6	34.22	24
152	124	4259.2	6953.7	16	2	2011	11:46	231	4.8	32.14	8.6	34.20	30
153	124	4258.8	6953.7	16	2	2011	12:16	233	4.8	32.14	8.6	34.23	5
154	125	4256.4	6939.0	16	2	2011	13:37	172	4.9	32.12	8.7	34.11	5
155	125	4256.0	6938.2	16	2	2011	14:03	155	4.8	32.12	8.8	34.03	5
156	125	4255.5	6938.9	16	2	2011	14:31	151	4.9	32.12	4.8	32.12	126
157	126	4241.4	6958.9	16	2	2011	16:38	174	4.7	32.08	8.7	33.98	7
158	126	4241.3	6958.7	16	2	2011	17:07	173	4.7	32.08	8.7	34.02	6
159	126	4240.9	6958.2	16	2	2011	17:30	171	4.7	32.08	4.7	32.08	146
160	127	4252.3	7005.4	16	2	2011	19:40	114	4.8	32.27	7.7	33.03	5
161	127	4252.0	7004.9	16	2	2011	19:55	126	5.0	32.30	8.1	33.16	5
162	128	4246.6	7009.9	16	2	2011	20:55	71	4.9	32.26	5.3	32.42	7
163	128	4246.4	7009.9	16	2	2011	21:06	74	4.9	32.27	5.4	32.48	4
164	128	4246.2	7009.8	16	2	2011	21:15	80	4.9	32.27	4.9	32.28	57
165	129	4241.6	7019.9	16	2	2011	22:19	93	4.4	32.28	4.4	32.28	7

Cast #	Sta #	Lat (deg. N)	Lon (deg. W)	Day	Month	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg. C)	Sfc Salt	Deepest Observed		Meters from Bottom
											Temp (deg. C)	Salt	
166	129	4241.3	7019.8	16	2	2011	22:31	95	4.4	32.28	4.4	32.28	7
167	130	4236.8	7020.1	16	2	2011	23:10	87	4.6	32.30	4.6	32.30	7
168	130	4236.5	7020.0	16	2	2011	23:22	86	4.6	32.31	4.6	32.30	7
169	131	4230.5	7047.1	17	2	2011	1:46	32	2.2	32.04	2.5	32.10	9
170	131	4230.3	7047.1	17	2	2011	1:52	31	2.2	32.05	2.5	32.10	8
171	131	4230.2	7047.1	17	2	2011	1:58	32	2.3	32.06	2.3	32.06	20
172	132	4216.2	7032.0	17	2	2011	3:57	69	3.4	32.21	3.3	32.23	6
173	132	4215.9	7032.0	17	2	2011	4:07	68	3.4	32.21	3.3	32.23	6
174	132	4215.7	7032.1	17	2	2011	4:15	67	3.4	32.21	3.4	32.21	49
175	133	4207.0	7027.3	17	2	2011	5:19	58	3.0	32.20	3.0	32.24	6
176	133	4206.7	7027.3	17	2	2011	5:28	58	2.9	32.20	3.1	32.25	6
177	133	4206.4	7027.3	17	2	2011	5:37	56	3.0	32.21	2.9	32.20	39
178	134	4151.7	7027.3	17	2	2011	7:18	27	2.0	32.01	2.1	32.03	7
179	134	4151.4	7027.3	17	2	2011	7:28	26	2.1	32.02	2.2	32.04	5
180	134	4151.1	7027.2	17	2	2011	7:35	26	2.1	32.02	2.2	32.05	9
181	135	4211.9	7009.8	17	2	2011	10:19	40	4.4	32.30	4.4	32.30	5
182	135	4211.6	7010.1	17	2	2011	10:28	40	4.4	32.30	4.4	32.30	5
183	135	4211.3	7010.4	17	2	2011	10:37	40	4.4	32.30	4.4	32.30	24
184	136	4217.0	7005.0	17	2	2011	11:33	92	4.7	32.28	5.1	32.54	5
185	136	4216.7	7005.3	17	2	2011	11:45	92	4.7	32.28	5.3	32.60	5
186	136	4216.4	7005.5	17	2	2011	11:56	92	4.7	32.28	4.7	32.29	67
187	137	4217.1	7000.0	17	2	2011	12:34	195	4.7	32.22	8.3	34.00	7
188	137	4216.5	7000.4	17	2	2011	12:56	190	4.6	32.22	8.3	33.97	8
189	137	4216.0	7000.7	17	2	2011	13:18	184	4.7	32.22	4.6	32.25	162
190	138	4124.9	6917.8	17	2	2011	20:31	103	5.1	32.31	5.0	32.33	7
191	138	4124.3	6917.4	17	2	2011	20:51	96	5.1	32.30	5.0	32.34	6
192	138	4124.3	6917.4	17	2	2011	21:10	97	5.0	32.32	5.0	32.32	73
193	139	4105.5	6847.1	18	2	2011	0:31	67	5.6	32.70	5.7	32.72	4
194	139	4105.6	6847.2	18	2	2011	0:40	69	5.6	32.69	5.7	32.72	3
195	139	4105.7	6847.3	18	2	2011	0:48	69	5.6	32.70	5.6	32.70	52