

*Oceanography Branch CTD Data Report*  
*CTD\_REPORT\_2012002DE*

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DATE: July 16, 2012

# Oceanography Branch CTD Data Report

CTD\_REPORT\_2012002DE

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

DE 12-02  
ECOMON  
Data Coverage: February 3 - 21, 2012  
Mid Atlantic Bight, Georges Bank, Gulf of Maine

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's DEL1202 ECOMON Survey aboard the NOAA FSV *Delaware II*. Data was obtained with a Seabird Electronics SBE Model 19/19+ profiling CTD (s/n's 1496, 4684, & 4759) and a Seabird Electronics SBE Model 9/11+ CTD. Sea water samples were taken for the purpose of correcting salinity values for both instruments. No salinity correction was necessary for any instrument.

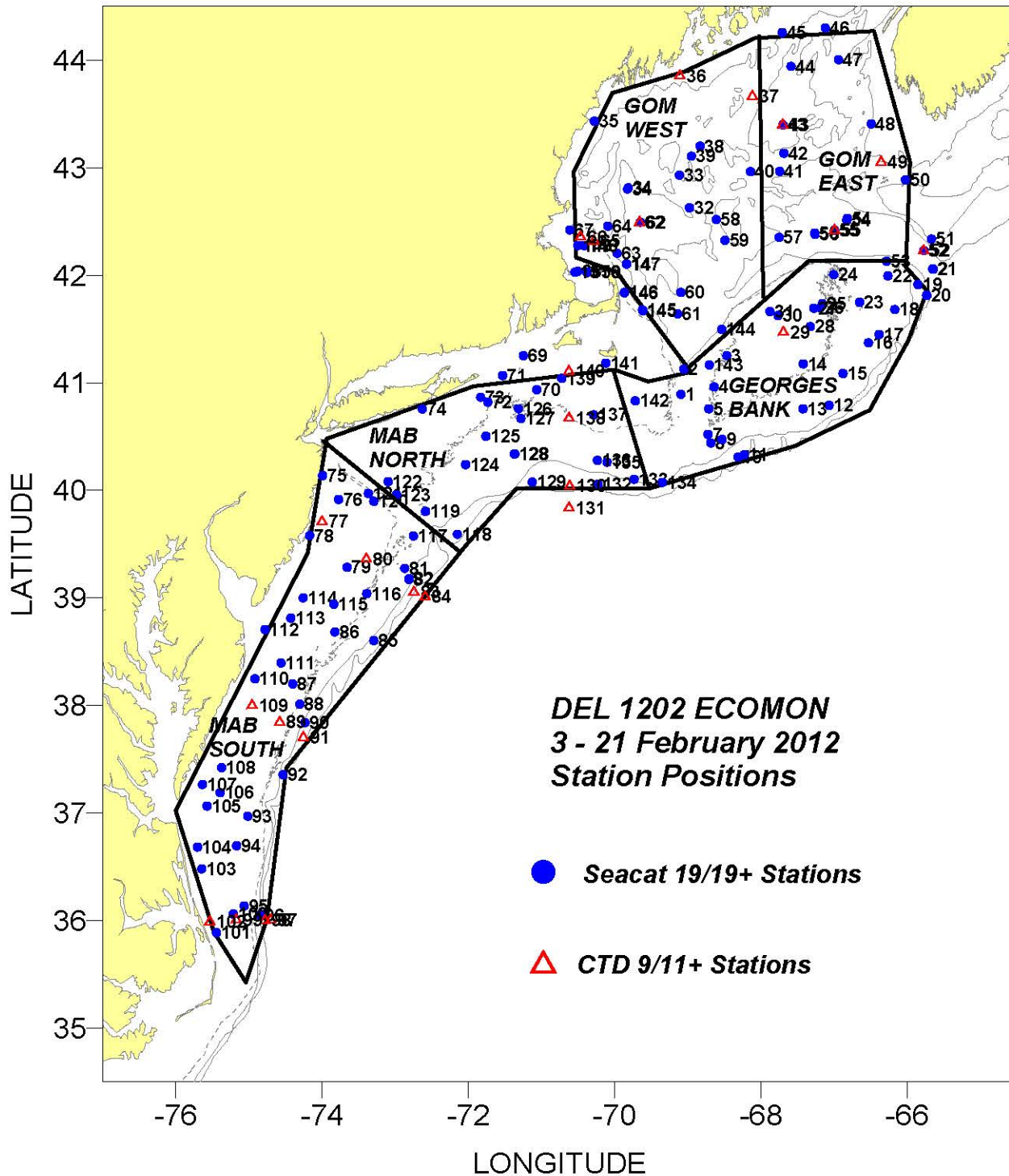
Data presented here have been audited, however, corrections and/or updates may be applied at a later time. The most recent and complete station data can be found in an NODC formatted ASCII file at:  
<ftp://ftp.nefsc.noaa.gov/pub/hydro/del1202.dat>

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

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

choose: **2012 Cruises**  
**FEB\_ECOMON\_DEL1202**  
**CTD\_REPORT\_2012002DE.pdf**

Revised: July 16, 2012



**DEL1202 ECOMON**  
**3 - 21 February, 2012**

CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
<b>Western Gulf of Maine</b>														
DEL1202	41	55	6.15	1.50	0.21	1.56	1	50	7.60	2.14	0.20	1.41	1	22
DEL1202	41	55	32.64	-0.21	0.14	0.47	1	50	33.62	0.02	0.11	0.52	1	22
<b>Eastern Gulf of Maine</b>														
DEL1202	40	12	5.98	1.28	0.25	0.90	0	10	7.61	0.50	0.27	1.13	0	22
DEL1202	40	12	32.58	-0.08	0.18	0.34	0	10	33.89	-0.13	0.15	0.32	0	22
<b>Georges Bank</b>														
DEL1202	37	31	7.53	2.08	0.20	1.12	0	27	7.98	1.69	0.24	1.11	0	22
DEL1202	37	31	32.69	-0.25	0.13	0.37	0	27	32.88	-0.31	0.14	0.32	0	22
<b>MAB North</b>														
DEL1202	48	25	7.92	2.64	0.27	1.24	0	20	9.23	3.36	0.31	1.22	0	22
DEL1202	48	24	32.85	-0.28	0.19	0.36	0	20	33.36	-0.18	0.18	0.48	0	22
<b>MAB South</b>														
DEL1202	46	43	9.09	3.09	0.21	1.12	0	38	9.59	3.74	0.23	1.37	0	22
DEL1202	46	43	32.82	-0.57	0.16	1.23	0	38	33.49	0.01	0.14	0.66	0	22

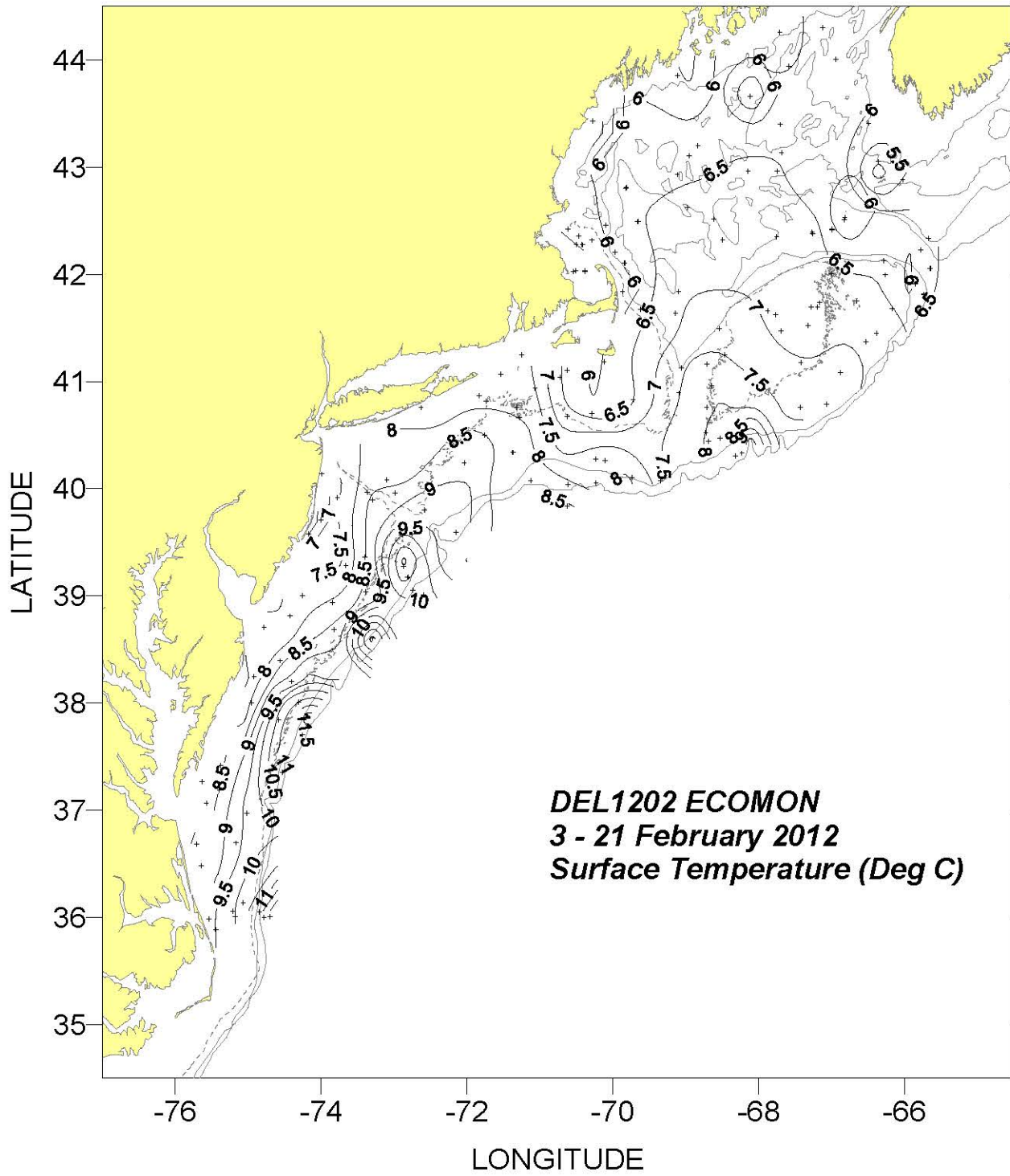
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

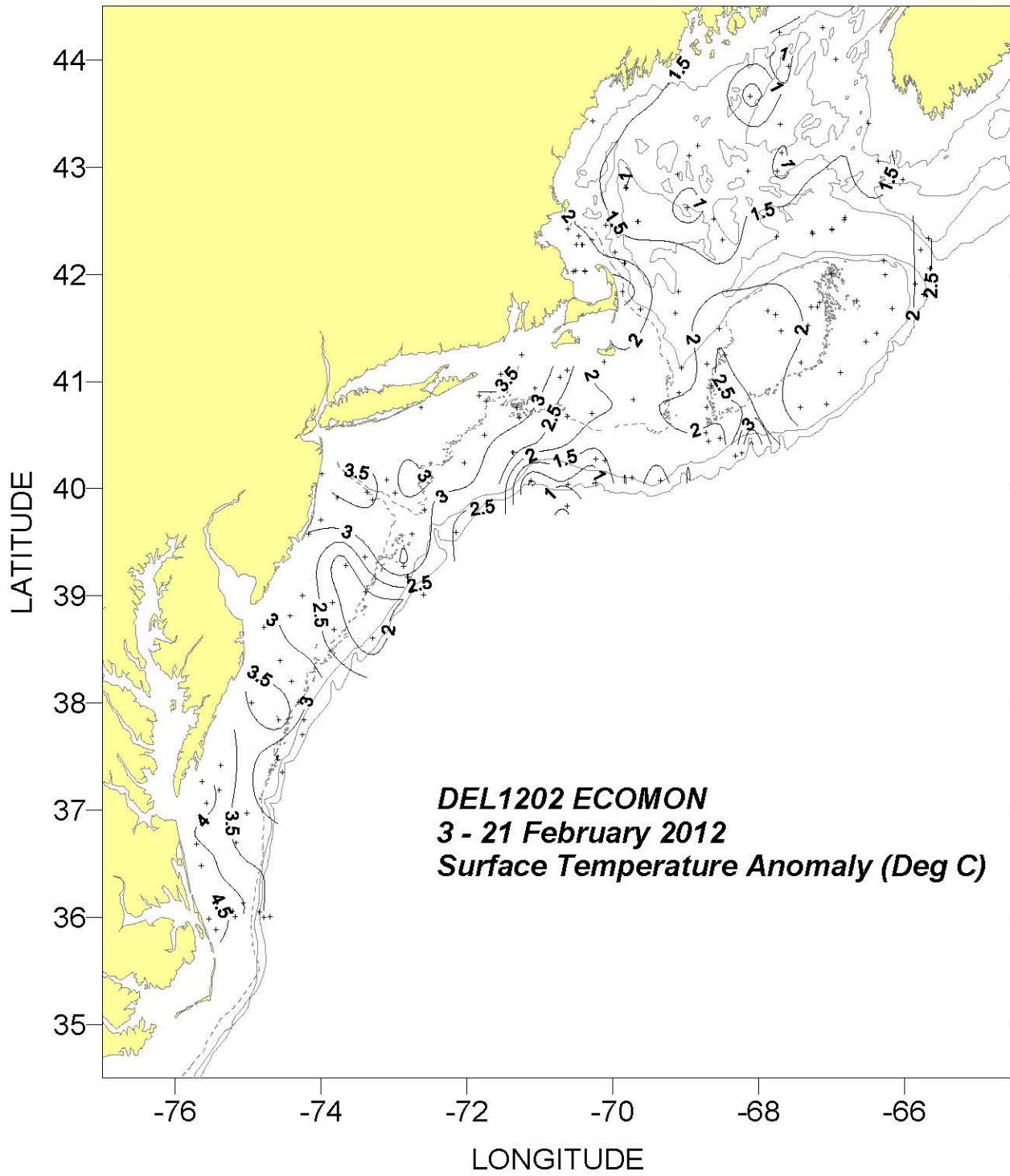
"#obs", the number of observations included in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

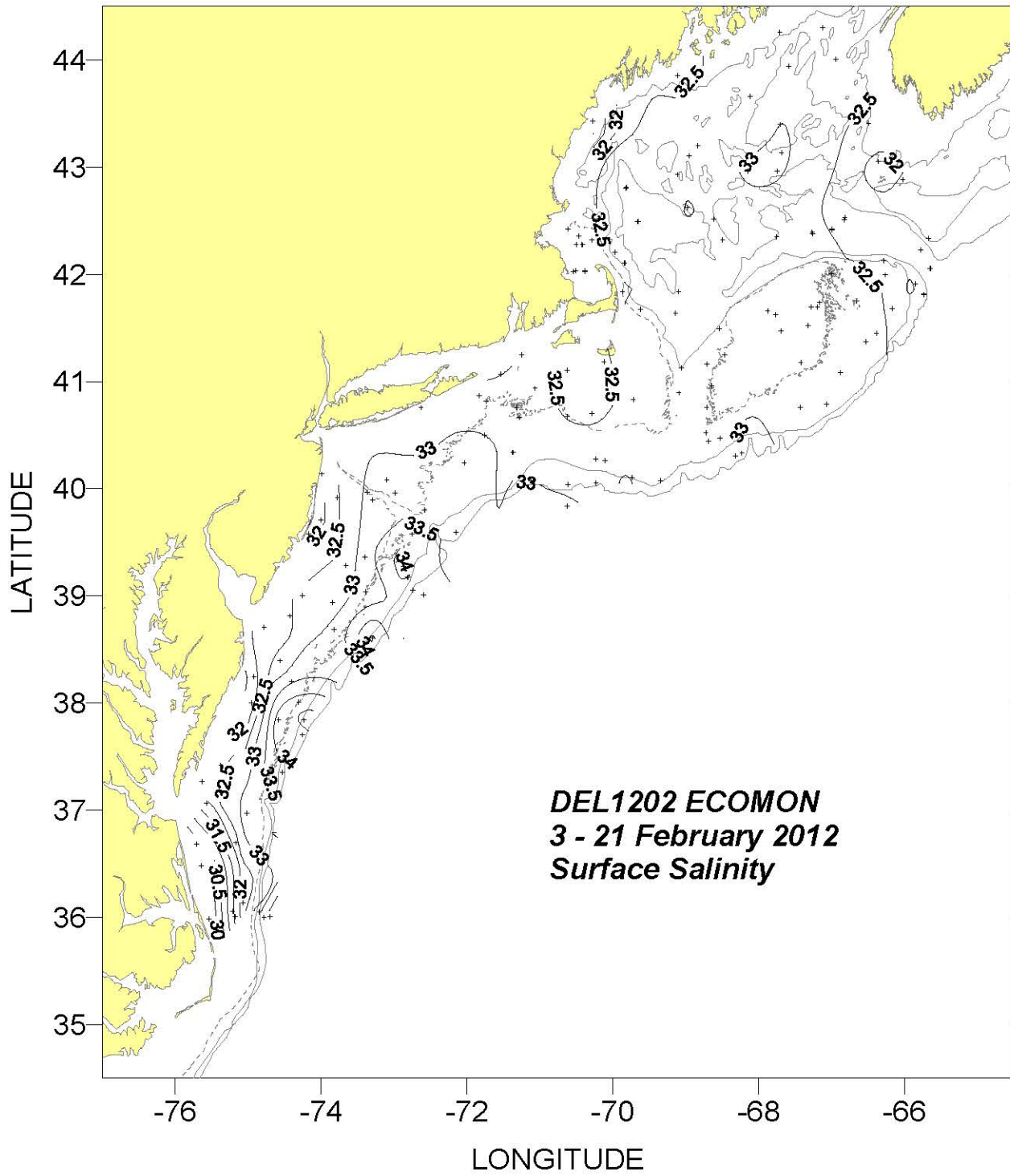
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

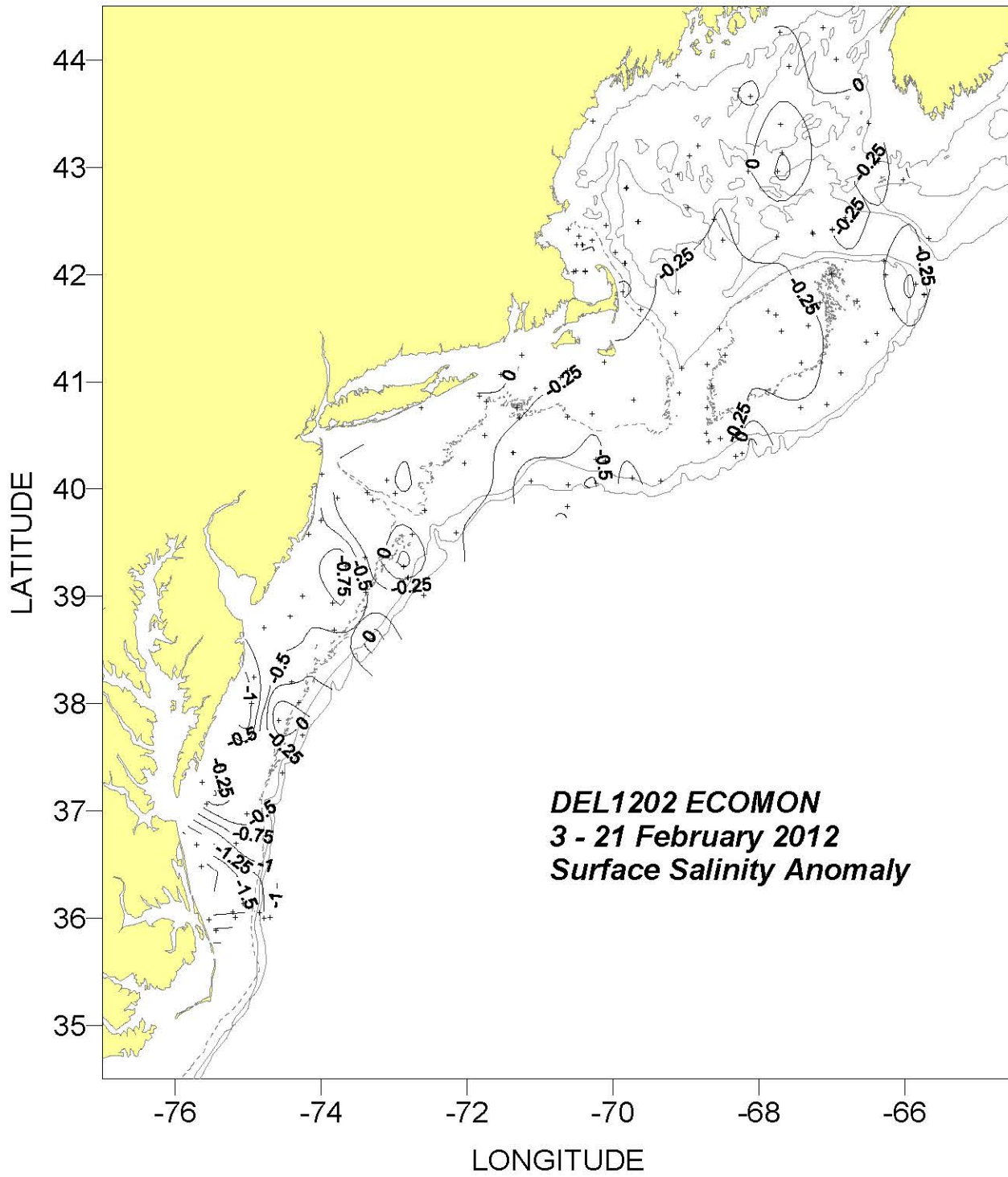
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

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

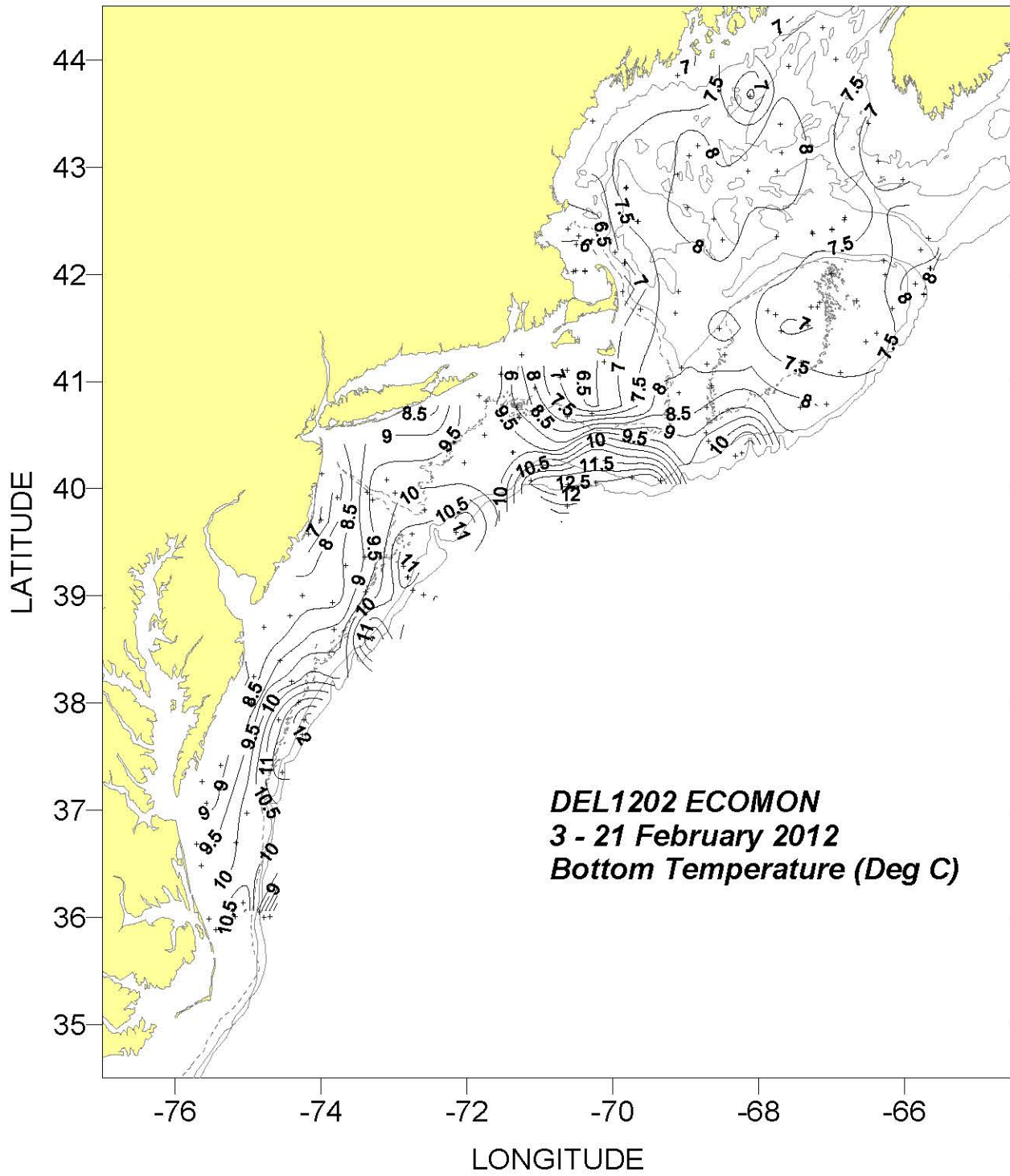


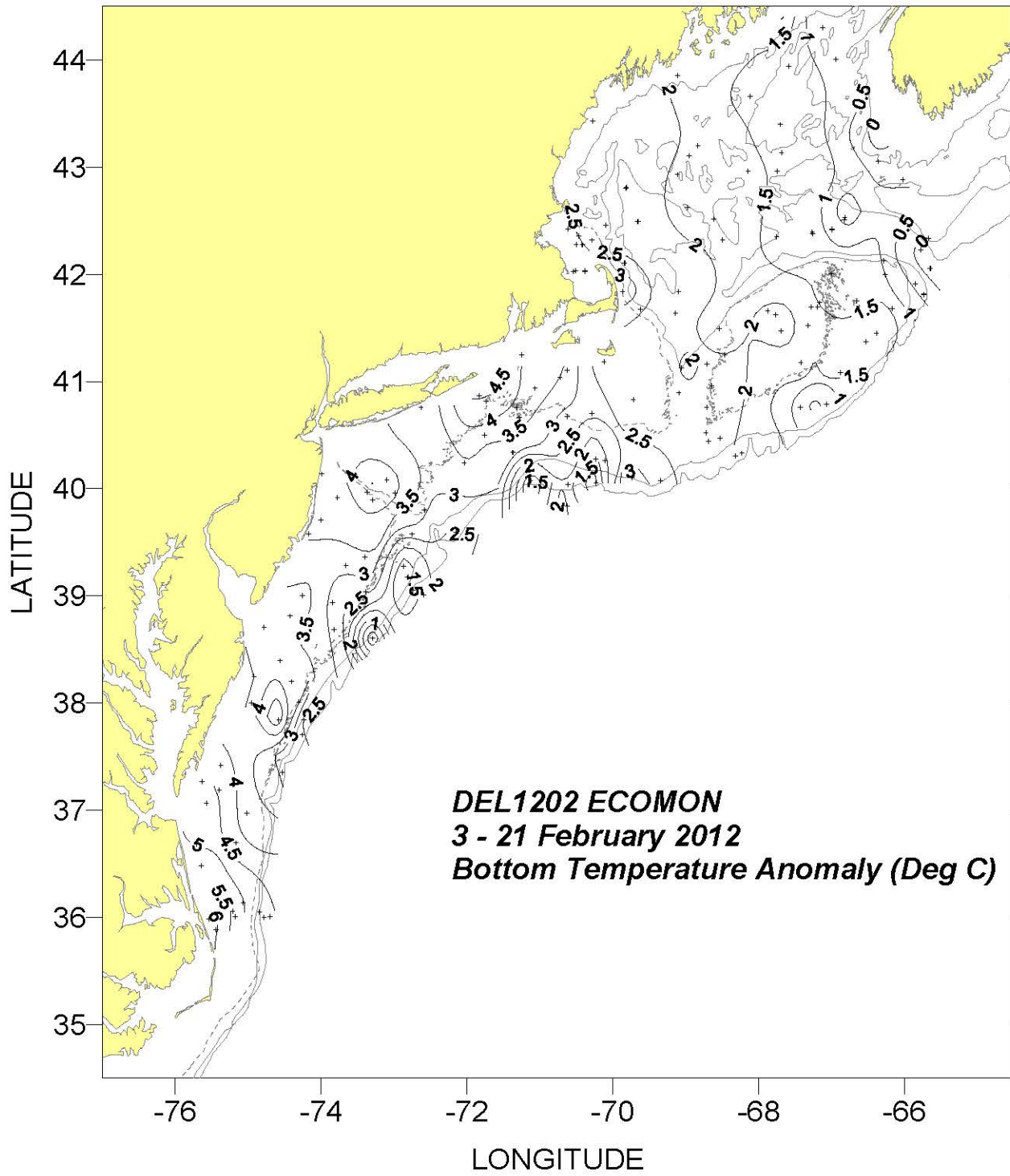


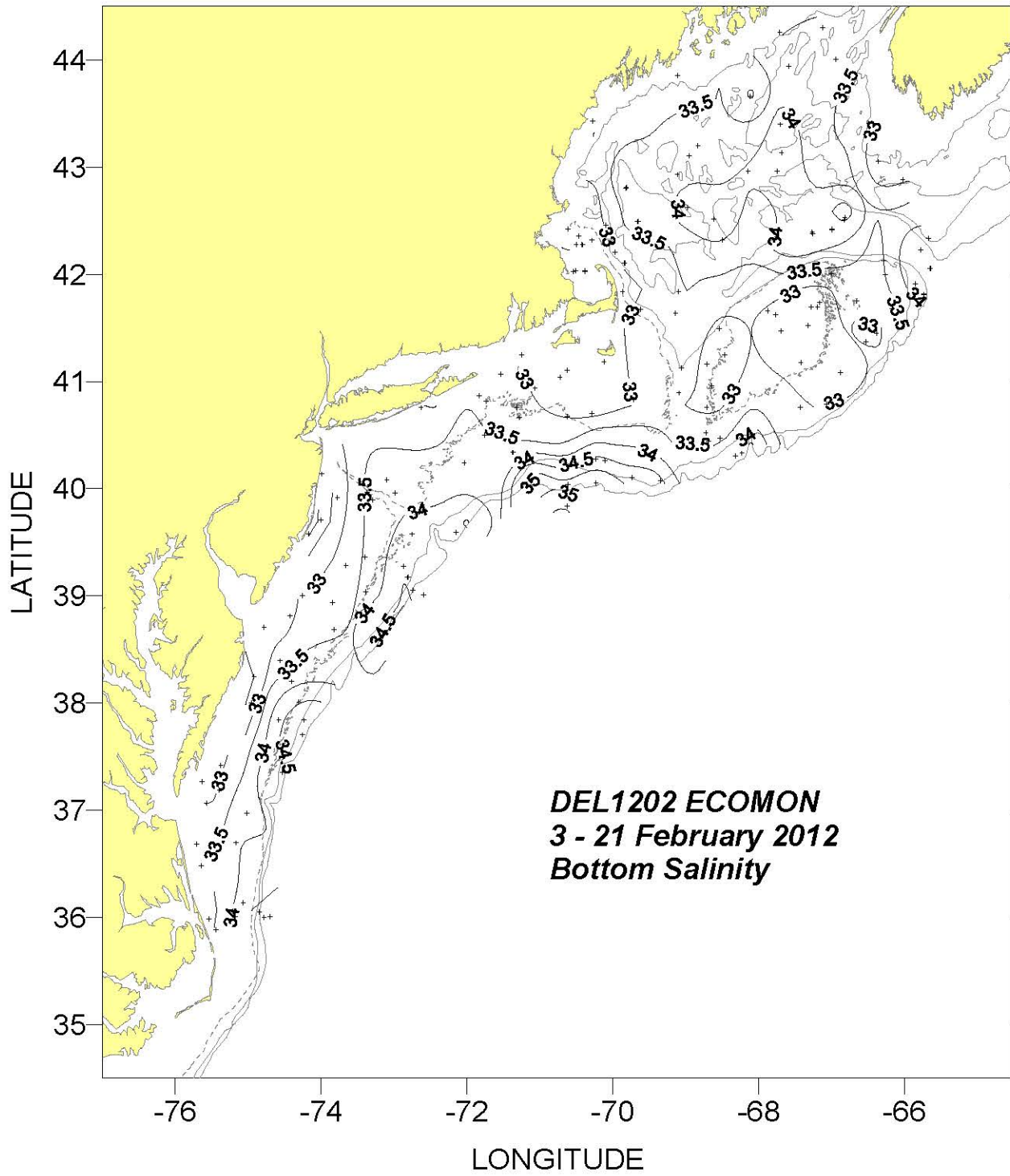


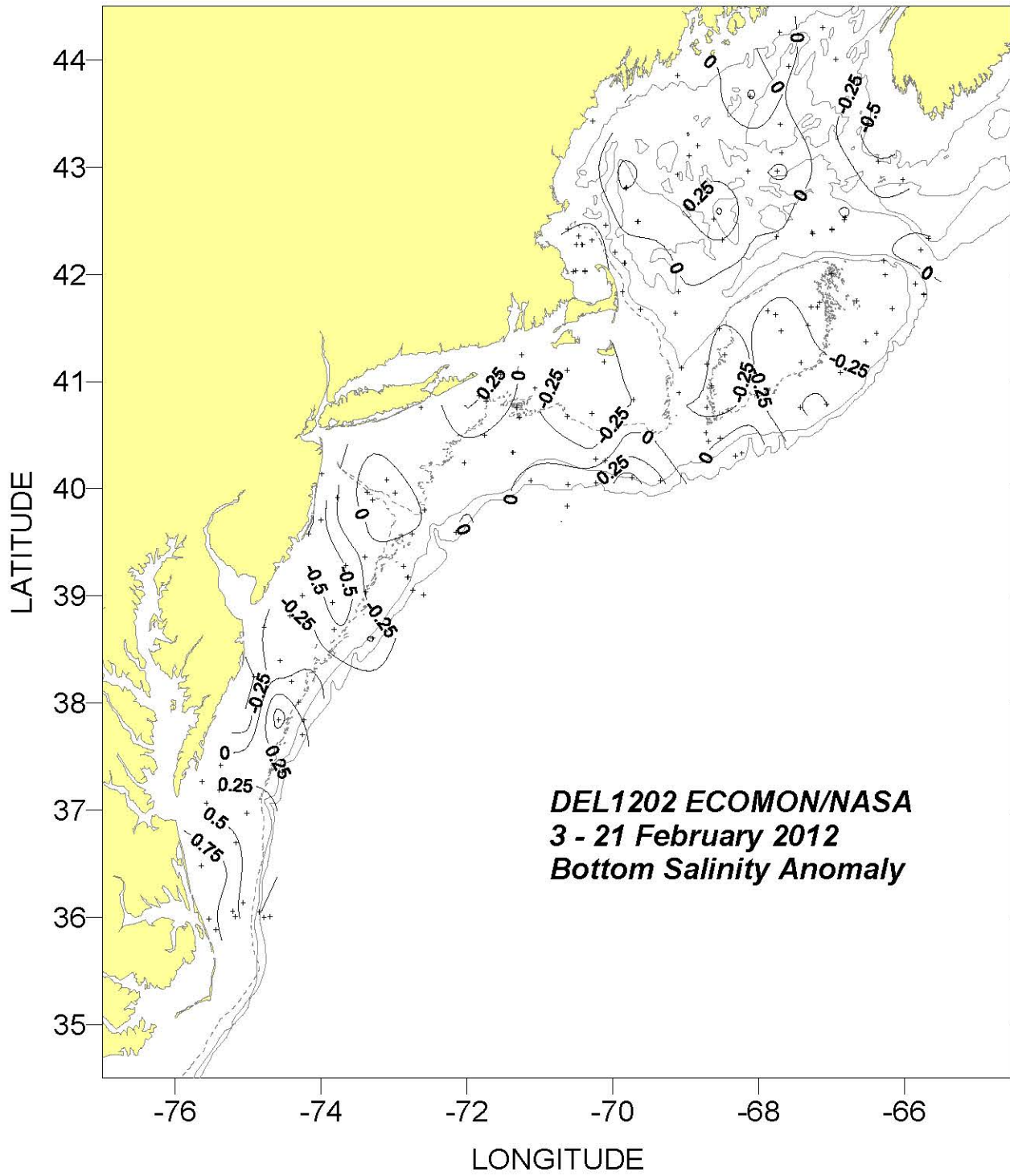












**DEL1202 ECOMON**  
**3 - 21 February, 2012**

Cast #	Sta #	Lat deg N	Long deg W	Day	Mo	Year	Time (GMT)	Btm Depth m	Surface Temp deg C	Surface Salinity PSU	Deepest Observed Temp deg C	Deepest Observed Salinity PSU	Meters from Bottom	Deployment Type
2	1	4053.6	6905.6	3	2	2012	5:07	73	7.70	32.61	7.60	32.79	9	B
3	2	4107.6	6903.2	3	2	2012	7:11	102	7.61	32.78	8.10	33.27	5	B
4	3	4115.1	6827.9	3	2	2012	11:56	57	8.08	32.42	8.11	32.43	6	B
5	4	4057.7	6838.3	3	2	2012	14:03	47	8.36	32.32	8.36	32.32	5	B
7	5	4045.5	6842.7	3	2	2012	15:46	65	8.37	32.31	8.39	32.31	6	B
9	7	4031.2	6843.3	3	2	2012	18:58	72	8.20	32.37	8.54	32.62	3	B
10	8	4026.4	6841.0	3	2	2012	23:52	84	8.05	32.56	10.40	33.58	2	B
11	9	4028.4	6831.8	4	2	2012	2:45	91	7.96	32.53	10.15	33.46	2	B
12	10	4018.5	6818.7	4	2	2012	4:33	148	12.48	34.49	13.22	35.60	6	B
13	11	4019.9	6813.6	4	2	2012	5:41	150	11.10	34.05	13.16	35.54	7	B
14	12	4047.4	6704.0	4	2	2012	13:01	97	7.41	32.69	8.05	32.93	4	B
15	13	4045.5	6725.4	4	2	2012	15:07	91	7.59	32.59	8.37	32.87	4	B
16	14	4110.6	6725.2	4	2	2012	20:25	53	6.96	32.50	6.97	32.50	4	B
17	15	4105.2	6652.6	4	2	2012	23:34	75	7.32	32.63	7.33	32.66	6	B
18	16	4122.3	6631.6	5	2	2012	2:16	93	7.06	32.61	7.15	32.75	3	B
19	17	4126.9	6622.9	5	2	2012	3:27	99	6.71	32.56	7.32	32.87	2	B
20	18	4140.9	6610.0	5	2	2012	5:39	93	6.43	32.54	7.17	32.89	3	B
21	19	4154.8	6551.0	5	2	2012	8:07	137	5.40	31.57	8.86	34.12	3	B
22	20	4148.9	6544.0	5	2	2012	9:31	250	6.08	31.91	8.54	35.02	46	B
23	20	4148.7	6543.7	5	2	2012	10:01	262	5.96	31.86	8.25	34.96	3	W
24	21	4203.4	6538.5	5	2	2012	14:52	258	7.97	32.69	8.74	35.06	52	B
25	21	4203.5	6539.0	5	2	2012	15:16	270	7.93	32.68	6.39	35.08	1	W
26	22	4159.7	6615.7	5	2	2012	18:38	80	6.86	32.89	6.85	32.89	4	B
27	23	4145.0	6638.9	5	2	2012	20:46	66	7.02	32.78	7.04	32.78	4	B
28	24	4200.3	6700.2	5	2	2012	22:57	64	6.74	32.85	6.77	32.85	7	B
29	25	4144.1	6709.5	6	2	2012	1:21	52	6.99	32.71	7.00	32.71	7	B
30	26	4141.8	6711.3	6	2	2012	1:58	55	6.89	32.66	6.89	32.64	3	B
31	27	4141.6	6716.5	6	2	2012	2:39	52	7.03	32.66	7.02	32.64	5	B
32	28	4131.4	6719.3	6	2	2012	3:57	40	6.77	32.61	6.77	32.60	5	B
<b>1</b>	<b>29</b>	<b>4128.2</b>	<b>6741.5</b>	<b>6</b>	<b>2</b>	<b>2012</b>	<b>9:49</b>	<b>39</b>	<b>6.87</b>	<b>32.54</b>	<b>6.88</b>	<b>32.54</b>	<b>2</b>	<b>W</b>
33	30	4137.5	6745.8	6	2	2012	11:07	38	6.93	32.65	6.94	32.65	4	B
34	31	4139.7	6752.5	6	2	2012	12:00	33	6.99	32.64	7.05	32.65	4	B
35	32	4237.6	6858.5	7	2	2012	0:16	180	6.78	33.06	8.51	34.45	6	B
36	33	4255.8	6906.8	7	2	2012	2:46	168	6.45	32.97	8.17	33.63	4	B
37	34	4248.8	6948.8	7	2	2012	6:43	270	6.61	32.90	8.36	34.35	70	B
38	34	4248.1	6949.3	7	2	2012	7:07	249	6.61	32.90	8.37	34.47	2	W

**DEL1202 ECOMON**  
**3 - 21 February, 2012**

Cast #	Sta #	Lat deg N	Long deg W	Day	Mo	Year	Time (GMT)	Btm Depth m	Surface Temp deg C	Surface Salinity PSU	Deepest Observed Temp deg C	Deepest Observed Salinity PSU	Meters from Bottom	Deployment Type
39	35	4325.9	7016.6	7	2	2012	12:07	66	3.68	30.19	6.94	32.89	6	B
<b>2</b>	<b>36</b>	<b>4351.3</b>	<b>6906.4</b>	<b>8</b>	<b>2</b>	<b>2012</b>	<b>4:37</b>	<b>62</b>	<b>4.01</b>	<b>31.95</b>	<b>5.82</b>	<b>32.69</b>	<b>5</b>	<b>W</b>
<b>3</b>	<b>37</b>	<b>4339.8</b>	<b>6806.9</b>	<b>8</b>	<b>2</b>	<b>2012</b>	<b>5:55</b>	<b>119</b>	<b>4.99</b>	<b>32.60</b>	<b>6.31</b>	<b>32.90</b>	<b>4</b>	<b>W</b>
40	38	4312.0	6849.8	8	2	2012	9:04	178	6.10	33.00	8.36	33.97	6	B
41	39	4306.4	6857.0	8	2	2012	10:10	162	6.18	33.03	8.38	34.16	5	B
42	40	4257.8	6808.5	8	2	2012	14:13	163	6.63	33.13	8.34	34.13	7	B
43	41	4257.9	6744.6	8	2	2012	16:19	170	6.47	33.07	8.59	34.45	1	B
44	42	4308.1	6741.1	8	2	2012	17:49	186	6.72	33.11	8.49	34.33	5	B
45	43	4323.9	6741.9	8	2	2012	20:01	250	6.41	33.11	8.47	34.39	49	B
<b>4</b>	<b>43</b>	<b>4323.9</b>	<b>6742.0</b>	<b>8</b>	<b>2</b>	<b>2012</b>	<b>20:40</b>	<b>250</b>	<b>6.45</b>	<b>33.10</b>	<b>8.51</b>	<b>34.40</b>	<b>4</b>	<b>W</b>
46	44	4356.5	6735.1	9	2	2012	0:20	214	5.72	32.73	8.61	34.36	6	B
47	45	4415.5	6742.4	9	2	2012	2:43	87	5.49	32.66	6.17	32.87	8	B
48	46	4418.0	6707.1	9	2	2012	5:58	155	6.09	32.94	7.45	33.46	8	B
49	47	4400.3	6656.3	9	2	2012	8:01	168	6.22	32.91	8.09	33.68	6	B
50	48	4324.4	6629.4	9	2	2012	12:25	113	5.87	32.47	6.09	32.56	4	B
<b>5</b>	<b>49</b>	<b>4303.2</b>	<b>6621.2</b>	<b>9</b>	<b>2</b>	<b>2012</b>	<b>18:08</b>	<b>120</b>	<b>4.16</b>	<b>31.34</b>	<b>6.41</b>	<b>32.49</b>	<b>8</b>	<b>W</b>
51	50	4253.2	6601.3	9	2	2012	20:07	161	5.38	31.99	6.56	32.55	8	B
52	51	4220.2	6540.0	10	2	2012	0:01	108	5.45	32.03	10.16	34.72	7	B
53	52	4013.8	6546.2	10	2	2012	1:07	228	4.96	31.68	8.99	34.97	27	B
<b>6</b>	<b>52</b>	<b>4213.7</b>	<b>6546.4</b>	<b>10</b>	<b>2</b>	<b>2012</b>	<b>1:52</b>	<b>227</b>	<b>5.12</b>	<b>31.76</b>	<b>7.22</b>	<b>35.04</b>	<b>5</b>	<b>W</b>
54	53	4207.8	6616.9	10	2	2012	4:40	114	5.80	32.38	7.25	33.18	8	B
55	54	4231.8	6649.0	10	2	2012	8:31	267	5.38	31.96	7.98	35.00	65	B
56	54	4230.7	6649.5	10	2	2012	9:15	271	5.33	31.96	7.96	35.04	2	W
57	55	4225.2	6659.6	10	2	2012	10:25	366	5.63	32.39	8.80	34.83	165	B
<b>7</b>	<b>55</b>	<b>4225.0</b>	<b>6659.4</b>	<b>10</b>	<b>2</b>	<b>2012</b>	<b>10:55</b>	<b>366</b>	<b>5.61</b>	<b>32.38</b>	<b>7.60</b>	<b>35.01</b>	<b>7</b>	<b>W</b>
58	56	4223.6	6715.8	10	2	2012	13:00	357	6.98	32.87	8.70	34.72	158	B
59	56	4222.8	6715.5	10	2	2012	13:25	344	6.98	32.87	7.60	35.03	4	W
60	57	4221.1	6745.0	10	2	2012	15:52	212	7.06	32.89	8.46	34.97	8	B
61	58	4231.1	6836.5	10	2	2012	20:10	204	6.99	32.89	8.53	34.84	8	B
62	59	4219.5	6829.4	10	2	2012	21:46	188	6.72	32.87	8.22	34.04	9	B
63	60	4150.4	6905.7	11	2	2012	2:15	181	7.02	32.80	8.15	33.73	8	B
64	61	4138.4	6908.2	11	2	2012	4:00	169	7.14	32.80	8.08	33.78	7	B
65	62	4229.6	6938.9	11	2	2012	9:43	246	6.68	32.92	8.22	34.31	44	B
<b>9</b>	<b>62</b>	<b>4229.5</b>	<b>6939.4</b>	<b>11</b>	<b>2</b>	<b>2012</b>	<b>10:10</b>	<b>254</b>	<b>6.70</b>	<b>32.92</b>	<b>8.34</b>	<b>34.44</b>	<b>1</b>	<b>W</b>
66	63	4212.3	6958.0	11	2	2012	12:43	148	6.66	32.90	7.47	33.34	4	B

**DEL1202 ECOMON**  
**3 - 21 February, 2012**

Cast #	Sta #	Lat deg N	Long deg W	Day	Mo	Year	Time (GMT)	Btm Depth m	Surface Temp deg C	Surface Salinity PSU	Deepest Observed Temp deg C	Deepest Observed Salinity PSU	Meters from Bottom	Deployment Type
67	64	4227.4	7005.6	11	2	2012	14:33	84	6.55	32.84	6.90	32.98	6	B
<b>10</b>	<b>65</b>	<b>4219.1</b>	<b>7016.9</b>	<b>11</b>	<b>2</b>	<b>2012</b>	<b>15:55</b>	<b>35</b>	<b>5.70</b>	<b>32.29</b>	<b>5.97</b>	<b>32.43</b>	<b>3</b>	<b>W</b>
<b>11</b>	<b>66</b>	<b>4221.4</b>	<b>7027.9</b>	<b>11</b>	<b>2</b>	<b>2012</b>	<b>17:00</b>	<b>78</b>	<b>5.56</b>	<b>32.23</b>	<b>5.86</b>	<b>32.35</b>	<b>5</b>	<b>W</b>
68	67	4225.3	7036.7	11	2	2012	18:12	89	5.30	32.14	6.37	32.51	5	B
69	68	4202.2	7030.4	11	2	2012	21:07	46	5.12	32.01	5.44	32.09	5	B
70	69	4115.1	7114.8	12	2	2012	4:25	39	8.01	32.54	7.98	32.53	5	B
71	70	4056.2	7103.8	12	2	2012	6:46	53	7.68	32.55	7.70	32.55	5	B
72	71	4104.1	7131.9	12	2	2012	10:37	33	7.71	32.35	9.96	33.26	5	B
73	72	4049.2	7144.1	12	2	2012	12:38	56	7.69	32.46	10.07	33.48	6	B
74	73	4051.9	7149.9	12	2	2012	13:49	45	7.34	32.15	10.91	33.66	5	B
75	74	4045.4	7237.7	12	2	2012	18:28	25	6.94	32.26	6.96	32.26	5	B
76	75	4008.2	7359.6	13	2	2012	4:35	18	6.33	31.29	6.38	31.32	5	B
77	76	3954.9	7346.4	13	2	2012	6:34	29	7.28	32.67	7.34	32.68	3	B
<b>12</b>	<b>77</b>	<b>3942.5</b>	<b>7400.0</b>	<b>13</b>	<b>2</b>	<b>2012</b>	<b>8:38</b>	<b>22</b>	<b>5.96</b>	<b>31.32</b>	<b>6.54</b>	<b>31.83</b>	<b>3</b>	<b>W</b>
78	78	3934.7	7410.2	13	2	2012	10:10	16	5.38	30.94	5.40	30.94	5	B
79	79	3917.0	7339.5	13	2	2012	13:33	41	7.08	32.43	8.28	33.07	3	B
<b>13</b>	<b>80</b>	<b>3921.7</b>	<b>7323.7</b>	<b>13</b>	<b>2</b>	<b>2012</b>	<b>15:16</b>	<b>50</b>	<b>8.77</b>	<b>33.61</b>	<b>8.78</b>	<b>33.61</b>	<b>4</b>	<b>W</b>
80	81	3916.5	7252.1	13	2	2012	18:22	80	11.42	34.39	11.46	34.43	2	B
81	82	3910.7	7248.4	13	2	2012	19:19	93	11.33	34.28	11.99	34.53	5	B
82	82	3910.3	7248.8	13	2	2012	19:34	92	10.76	34.11	11.95	34.52	5	V
<b>14</b>	<b>83</b>	<b>3903.2</b>	<b>7244.6</b>	<b>13</b>	<b>2</b>	<b>2012</b>	<b>20:37</b>	<b>208</b>	<b>9.87</b>	<b>33.65</b>	<b>10.58</b>	<b>35.35</b>	<b>5</b>	<b>W</b>
<b>15</b>	<b>84</b>	<b>3900.6</b>	<b>7235.4</b>	<b>13</b>	<b>2</b>	<b>2012</b>	<b>21:52</b>	<b>1248</b>	<b>10.94</b>	<b>34.04</b>	<b>5.82</b>	<b>35.00</b>	<b>746</b>	<b>W</b>
83	85	3836.2	7317.5	14	2	2012	3:52	108	11.70	34.59	12.14	34.71	4	B
84	86	3841.0	7349.4	14	2	2012	7:34	50	9.13	33.44	9.37	33.50	6	B
85	87	3812.0	7424.0	14	2	2012	12:04	37	9.56	33.80	9.56	33.79	3	B
86	88	3800.7	7418.2	14	2	2012	13:38	60	10.68	34.14	11.75	34.48	6	B
<b>16</b>	<b>89</b>	<b>3750.6</b>	<b>7434.7</b>	<b>14</b>	<b>2</b>	<b>2012</b>	<b>16:37</b>	<b>55</b>	<b>10.57</b>	<b>34.16</b>	<b>11.17</b>	<b>34.37</b>	<b>2</b>	<b>W</b>
87	90	3750.4	7414.0	14	2	2012	18:34	97	12.98	35.04	13.32	35.14	6	B
<b>17</b>	<b>91</b>	<b>3742.2</b>	<b>7415.3</b>	<b>14</b>	<b>2</b>	<b>2012</b>	<b>19:42</b>	<b>113</b>	<b>13.47</b>	<b>35.17</b>	<b>13.43</b>	<b>35.70</b>	<b>1</b>	<b>W</b>
88	92	3721.3	7432.0	14	2	2012	22:49	104	12.53	34.92	13.67	35.26	4	B
89	93	3658.2	7501.0	15	2	2012	3:27	43	10.20	33.91	10.82	34.29	5	B
90	94	3641.7	7510.1	15	2	2012	5:31	30	9.36	33.45	10.33	34.05	5	B
91	95	3608.1	7503.9	15	2	2012	9:10	34	10.31	34.01	11.59	34.61	5	B
92	96	3603.0	7450.6	15	2	2012	10:33	100	12.96	35.02	13.28	35.12	6	B

**DEL1202 ECOMON**  
**3 - 21 February, 2012**

<b>Cast #</b>	<b>Sta #</b>	<b>Lat deg N</b>	<b>Long deg W</b>	<b>Day</b>	<b>Mo</b>	<b>Year</b>	<b>Time (GMT)</b>	<b>Btm Depth m</b>	<b>Surface Temp deg C</b>	<b>Surface Salinity PSU</b>	<b>Deepest Observed Temp deg C</b>	<b>Deepest Observed Salinity PSU</b>	<b>Meters from Bottom</b>	<b>Deployment Type</b>
<b>18</b>	<b>97</b>	<b>3600.3</b>	<b>7441.9</b>	<b>15</b>	<b>2</b>	<b>2012</b>	<b>11:41</b>	<b>1233</b>	<b>13.29</b>	<b>35.12</b>	<b>4.31</b>	<b>34.96</b>	<b>13</b>	<b>W</b>
<b>19</b>	<b>98</b>	<b>3600.0</b>	<b>7446.8</b>	<b>15</b>	<b>2</b>	<b>2012</b>	<b>13:31</b>	<b>367</b>	<b>12.84</b>	<b>35.00</b>	<b>7.90</b>	<b>35.13</b>	<b>1</b>	<b>W</b>
<b>20</b>	<b>99</b>	<b>3600.3</b>	<b>7510.4</b>	<b>15</b>	<b>2</b>	<b>2012</b>	<b>16:13</b>	<b>35</b>	<b>8.90</b>	<b>28.66</b>	<b>11.09</b>	<b>33.99</b>	<b>2</b>	<b>W</b>
93	100	3603.6	7512.7	15	2	2012	17:06	30	8.97	28.84	10.79	33.98	5	B
94	101	3553.2	7526.6	15	2	2012	18:46	26	9.21	27.29	10.64	33.36	5	B
<b>21</b>	<b>102</b>	<b>3559.3</b>	<b>7532.0</b>	<b>15</b>	<b>2</b>	<b>2012</b>	<b>19:49</b>	<b>22</b>	<b>9.54</b>	<b>30.18</b>	<b>10.06</b>	<b>33.11</b>	<b>3</b>	<b>W</b>
95	103	3628.8	7538.7	15	2	2012	23:19	25	7.96	28.19	9.49	33.48	3	B
96	104	3641.0	7542.2	16	2	2012	0:49	17	7.79	27.51	8.90	32.78	3	B
97	105	3703.9	7534.3	16	2	2012	3:25	23	8.28	32.58	8.28	32.62	5	B
98	106	3711.3	7523.6	16	2	2012	4:46	29	8.45	32.62	9.15	33.17	4	B
99	107	3715.9	7538.0	16	2	2012	6:16	20	7.15	31.85	7.16	31.85	4	B
100	108	3725.3	7522.4	16	2	2012	8:04	26	7.93	32.13	8.21	32.41	6	B
<b>22</b>	<b>109</b>	<b>3800.0</b>	<b>7457.4</b>	<b>16</b>	<b>2</b>	<b>2012</b>	<b>12:16</b>	<b>23</b>	<b>6.99</b>	<b>30.64</b>	<b>7.85</b>	<b>31.95</b>	<b>2</b>	<b>W</b>
101	110	3814.8	7455.1	16	2	2012	14:08	22	6.80	30.92	7.14	31.63	5	B
102	111	3823.7	7433.7	16	2	2012	16:19	28	7.85	32.89	8.94	33.46	3	B
103	112	3842.4	7446.8	16	2	2012	18:38	19	5.92	30.53	6.47	31.55	5	B
104	113	3848.7	7425.6	16	2	2012	20:37	26	6.71	32.30	7.98	32.97	2	B
105	114	3900.0	7415.4	16	2	2012	22:10	32	7.59	32.74	8.10	32.98	6	B
106	115	3856.4	7350.4	17	2	2012	0:20	41	7.81	32.76	7.81	32.78	4	B
107	116	3902.3	7323.3	17	2	2012	2:52	59	8.55	33.35	10.09	34.02	3	B
108	117	3934.5	7245.0	17	2	2012	7:35	68	10.19	33.91	10.81	34.37	4	B
109	118	3935.5	7208.9	17	2	2012	10:33	152	9.66	33.44	13.42	35.53	5	B
110	119	3948.3	7235.1	17	2	2012	13:23	59	10.26	33.96	10.41	34.01	4	B
111	120	3953.9	7317.5	17	2	2012	16:51	49	9.91	33.97	10.03	34.06	6	B
112	121	3958.2	7322.0	17	2	2012	17:36	63	7.83	32.90	9.69	33.80	4	B
113	122	4004.8	7305.8	17	2	2012	19:16	47	8.17	32.99	9.29	33.42	6	B
114	123	3957.5	7258.9	17	2	2012	20:22	53	8.22	33.00	10.30	33.90	6	B
115	124	4014.3	7202.2	18	2	2012	1:22	62	9.99	33.73	10.08	33.80	3	B
116	125	4030.2	7145.5	18	2	2012	3:46	69	9.45	33.41	9.83	33.55	5	B
117	126	4045.5	7118.9	18	2	2012	6:35	61	8.60	33.08	8.86	33.20	5	B
118	127	4040.1	7116.8	18	2	2012	7:24	62	8.38	32.91	8.87	33.17	5	B
119	128	4020.3	7121.8	18	2	2012	9:40	83	8.52	99.99	10.00	33.39	4	B
120	128	4020.3	7122.2	18	2	2012	9:52	83	8.48	32.93	10.05	33.41	6	V
122	129	4004.6	7107.5	18	2	2012	12:26	189	8.36	33.05	12.18	35.54	8	B
<b>23</b>	<b>130</b>	<b>4002.4</b>	<b>7036.8</b>	<b>18</b>	<b>2</b>	<b>2012</b>	<b>15:43</b>	<b>163</b>	<b>7.98</b>	<b>32.77</b>	<b>13.95</b>	<b>35.67</b>	<b>4</b>	<b>W</b>



**DEL1202 ECOMON**  
**3 - 21 February, 2012**

Cast #	Sta #	Lat deg N	Long deg W	Day	Mo	Year	Time (GMT)	Btm Depth m	Surface Temp deg C	Surface Salinity PSU	Deepest Observed Temp deg C	Deepest Observed Salinity PSU	Meters from Bottom	Deployment Type
<b>24</b>	<b>131</b>	<b>3950.2</b>	<b>7037.3</b>	<b>18</b>	<b>2</b>	<b>2012</b>	<b>17:25</b>	<b>845</b>	<b>10.49</b>	<b>33.97</b>	<b>6.21</b>	<b>35.02</b>	<b>343</b>	<b>W</b>
123	132	4003.4	7013.6	18	2	2012	20:40	176	7.83	32.69	12.75	35.61	4	B
124	133	4006.2	6944.0	18	2	2012	23:40	103	8.71	33.33	14.60	35.62	3	B
125	134	4004.5	6920.7	19	2	2012	1:46	100	7.35	32.77	13.41	34.91	4	B
126	135	4015.7	7006.2	19	2	2012	6:01	95	7.72	32.64	13.97	35.17	4	B
127	136	4016.7	7014.1	19	2	2012	6:50	95	7.90	32.67	12.24	34.33	5	B
128	137	4042.1	7017.1	19	2	2012	9:45	49	5.68	32.26	5.57	32.30	5	B
<b>25</b>	<b>138</b>	<b>4040.3</b>	<b>7037.4</b>	<b>19</b>	<b>2</b>	<b>2012</b>	<b>11:56</b>	<b>62</b>	<b>5.94</b>	<b>32.23</b>	<b>6.35</b>	<b>32.39</b>	<b>4</b>	<b>W</b>
129	139	4102.4	7043.4	19	2	2012	14:40	48	6.54	32.45	6.54	32.46	5	B
<b>26</b>	<b>140</b>	<b>4106.4</b>	<b>7037.5</b>	<b>19</b>	<b>2</b>	<b>2012</b>	<b>15:31</b>	<b>44</b>	<b>6.35</b>	<b>32.44</b>	<b>6.39</b>	<b>32.45</b>	<b>3</b>	<b>W</b>
130	141	4111.0	7007.2	19	2	2012	18:16	24	4.59	32.21	4.60	32.23	6	B
131	142	4049.9	6943.0	19	2	2012	22:46	36	5.72	32.54	5.76	32.55	5	B
132	143	4109.9	6842.3	20	2	2012	4:40	68	7.36	32.55	7.33	32.62	6	B
133	143	4109.9	6842.3	20	2	2012	5:00	68	7.36	32.55	7.32	32.64	9	O
134	144	4129.8	6832.1	20	2	2012	7:41	101	7.21	32.73	7.30	32.89	8	B
135	144	4129.7	6832.1	20	2	2012	8:04	101	7.17	32.74	7.30	32.90	9	O
136	145	4140.2	6936.9	20	2	2012	13:25	94	6.43	32.79	6.82	32.93	5	B
137	145	4140.6	6937.1	20	2	2012	13:45	100	6.27	32.76	6.89	32.98	7	O
138	146	4150.2	6951.9	20	2	2012	15:48	53	5.42	32.39	5.85	32.56	6	B
139	146	4150.4	6951.9	20	2	2012	16:01	52	5.46	32.41	5.48	32.42	11	O
140	147	4206.2	6950.2	20	2	2012	18:12	144	6.48	32.96	7.42	33.51	3	B
141	147	4206.2	6950.0	20	2	2012	18:36	142	6.47	32.96	7.40	33.50	11	O
142	148	4216.6	7025.1	20	2	2012	23:00	86	5.37	32.29	5.39	32.30	7	B
143	148	4216.5	7024.9	20	2	2012	23:21	86	5.35	32.30	5.39	32.31	8	O
144	149	4216.6	7030.0	21	2	2012	0:01	77	5.28	32.25	6.20	32.75	3	B
145	149	4216.6	7030.0	21	2	2012	0:20	77	5.28	32.26	5.65	32.44	9	O
146	150	4201.6	7022.6	21	2	2012	2:25	55	4.55	31.87	5.05	32.10	4	B
147	150	4201.9	7023.0	21	2	2012	2:40	54	4.53	31.87	5.06	32.11	10	O
148	151	4201.6	7032.3	21	2	2012	3:58	28	4.21	31.91	4.26	31.92	4	B
149	151	4201.7	7032.5	21	2	2012	4:19	28	4.27	31.94	4.20	31.93	7	O

**data in bold are from 9/11+ CTD (s/n 0420)**

Deployment codes: B= bongo cast; W=water sampling cast; V= vertical cast; and O= other, in this case an Isaac-Kidd mid-water trawl