

Oceanography Branch CTD Data Report
CTD_REPORT_2011010DE

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DATE: April 23, 2012

Oceanography Branch CTD Data Report

CTD_REPORT_2011010DE

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

DEL1110
ECOMON Gear Comparison
Data Coverage: 1 – 8 December, 2011
GOMW, GB, MABN

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's ECOMON Gear Comparison survey aboard the NOAA FSV *DelawareII*. All data were obtained with Seabird Electronics SBE Model 19+ profiling CTDs (s/n 4684). Please note there is no CTD/Bongo data for station 068. There were 49 Isaacs-Kidd trawls done at stations 1 – 20, 22, 24, 26 – 48, 67, and 69 – 71.

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

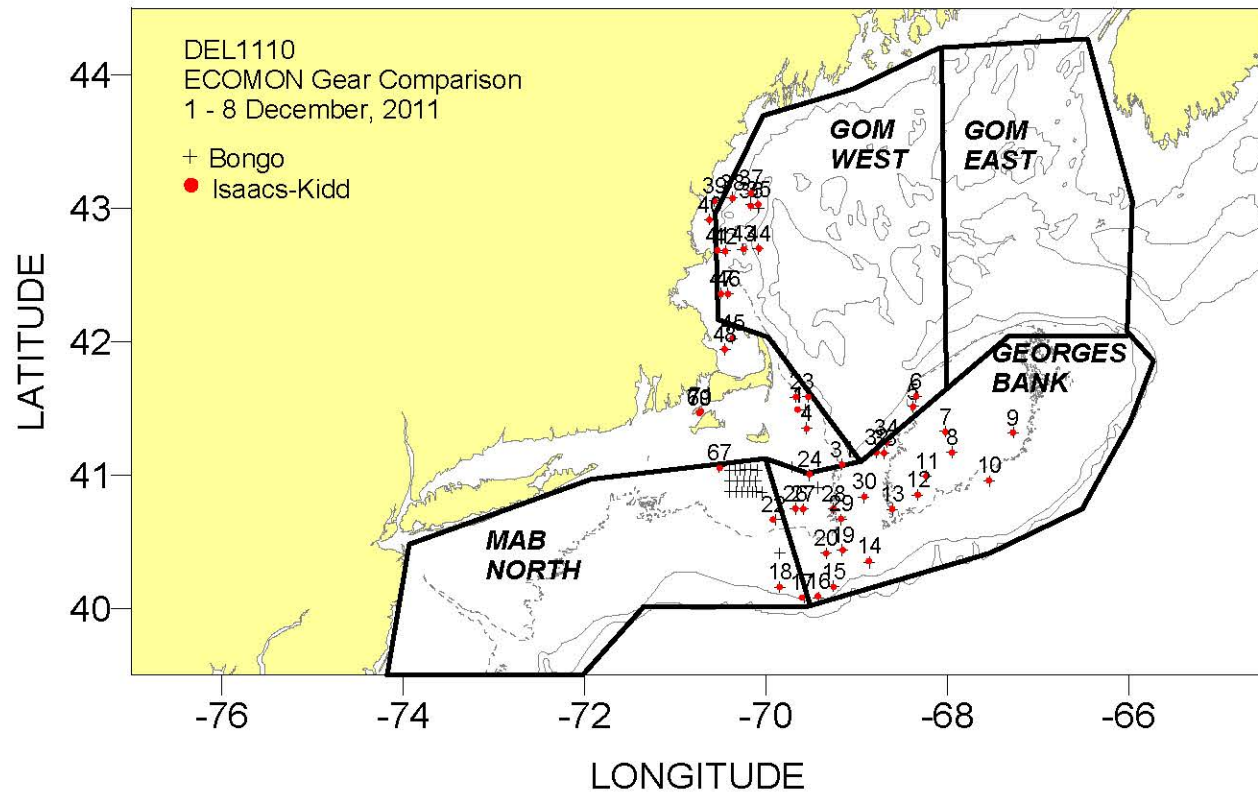
The most recent and complete station data can be found in an NODC formatted ASCII file at:
<ftp://ftp.nefsc.noaa.gov/pub/hydro/del1110.dat>

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

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

choose: **2011 Cruises**
DEC_ECOMON_DEL1110
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Revised: April 23, 2012



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for DEL1110 - ECOMON Gear Comparison.

CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
MABN														
DEL1110	340	30	12.13	2.28	0.23	1.54	1	25	11.77	1.65	0.24	1.03	1	22
DEL1110	340	30	32.23	-0.43	0.14	0.79	1	25	32.14	-0.62	0.14	0.67	1	22
GEORGES BANK														
DEL1110	337	31	12.21	1.49	0.2	1.79	1	29	12.76	2.11	0.22	1.47	1	22
DEL1110	337	31	32.26	-0.55	0.11	0.87	1	29	32.84	-0.32	0.13	0.68	1	22
GOMW														
DEL1110	339	16	10.13	1.77	0.28	2.63	1	14	9.55	1.59	0.28	2.32	1	22
DEL1110	339	16	32.03	-0.67	0.19	1.33	1	14	32.86	-0.17	0.16	1.05	1	22

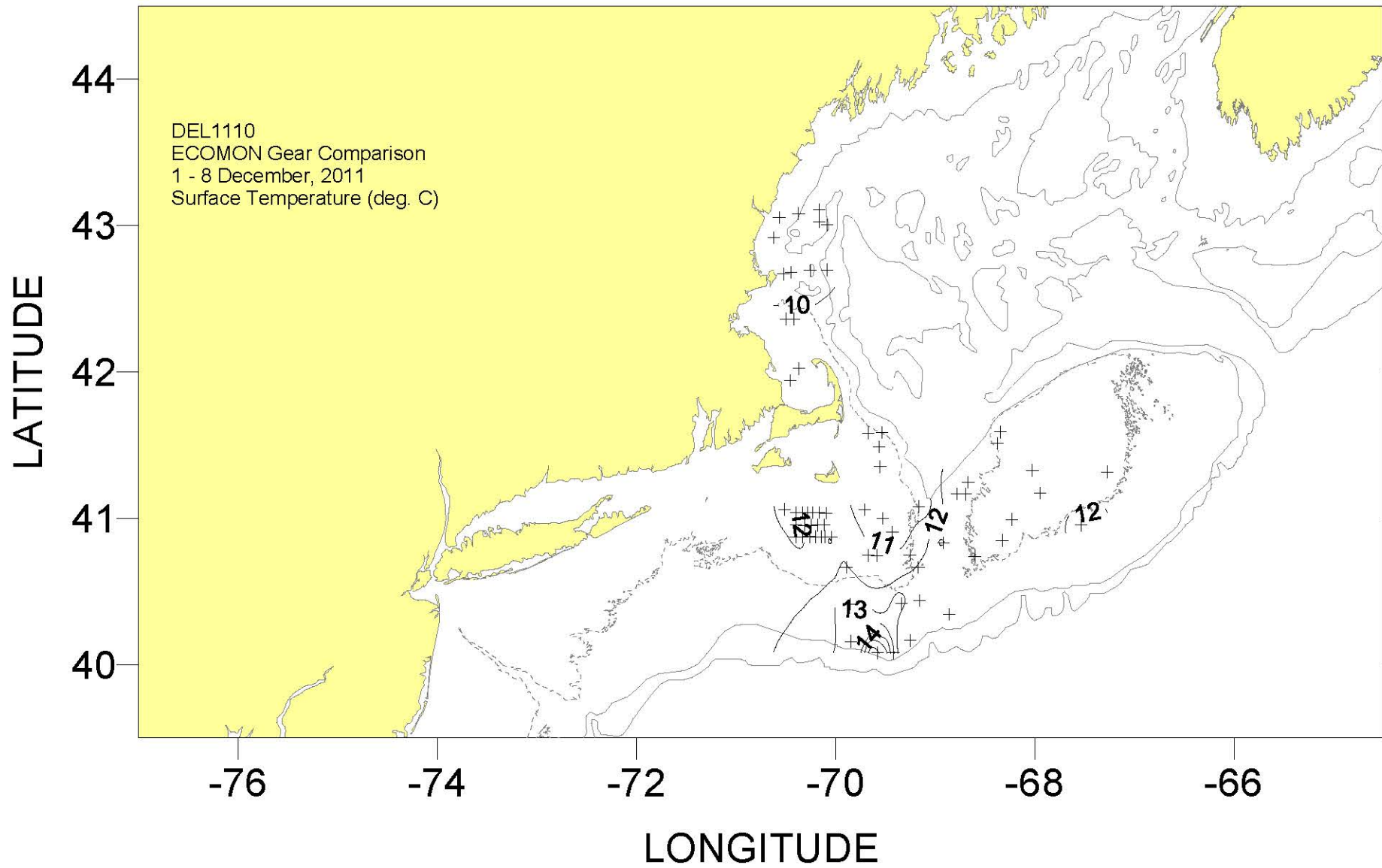
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

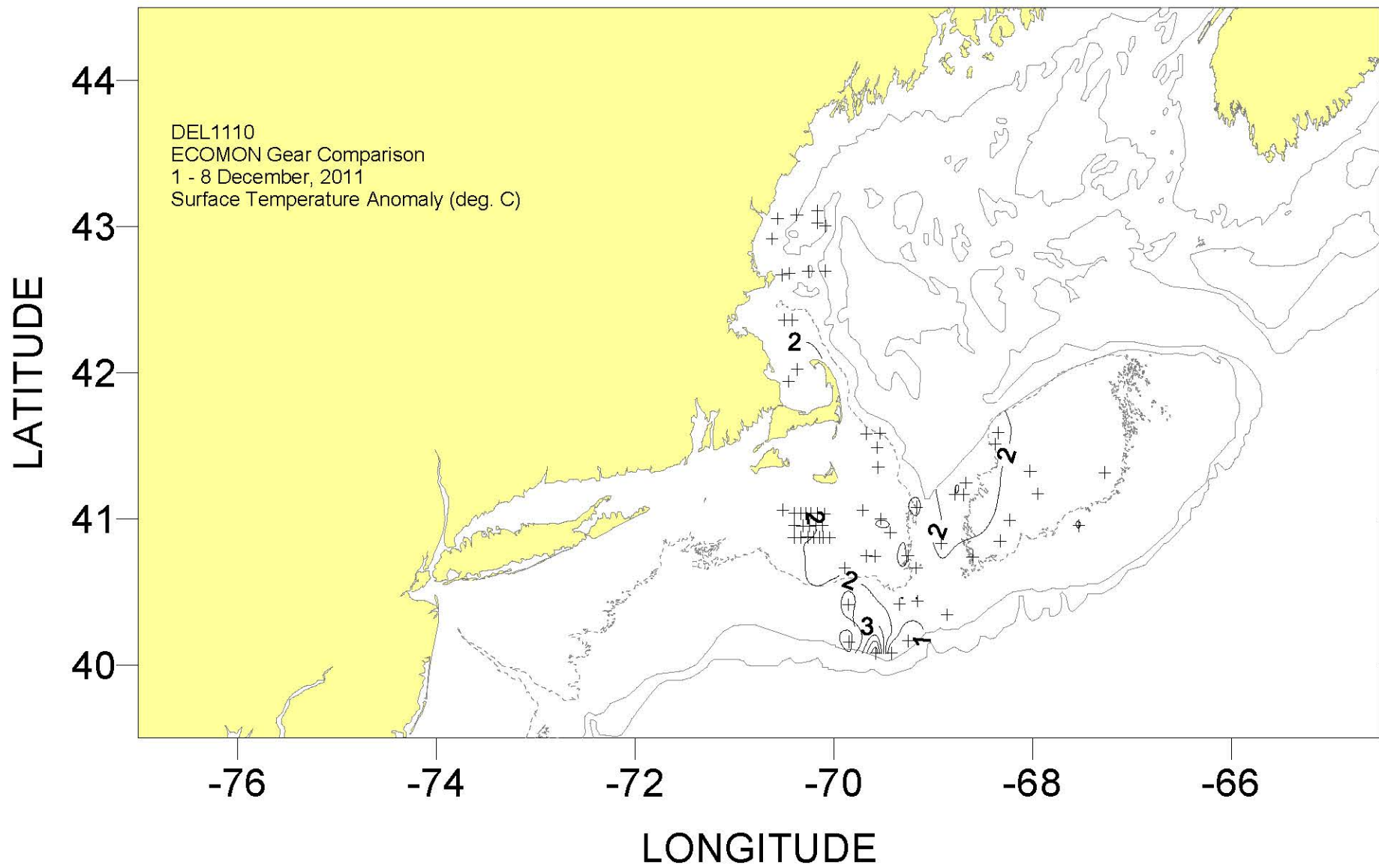
"#obs", the number of observations included in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

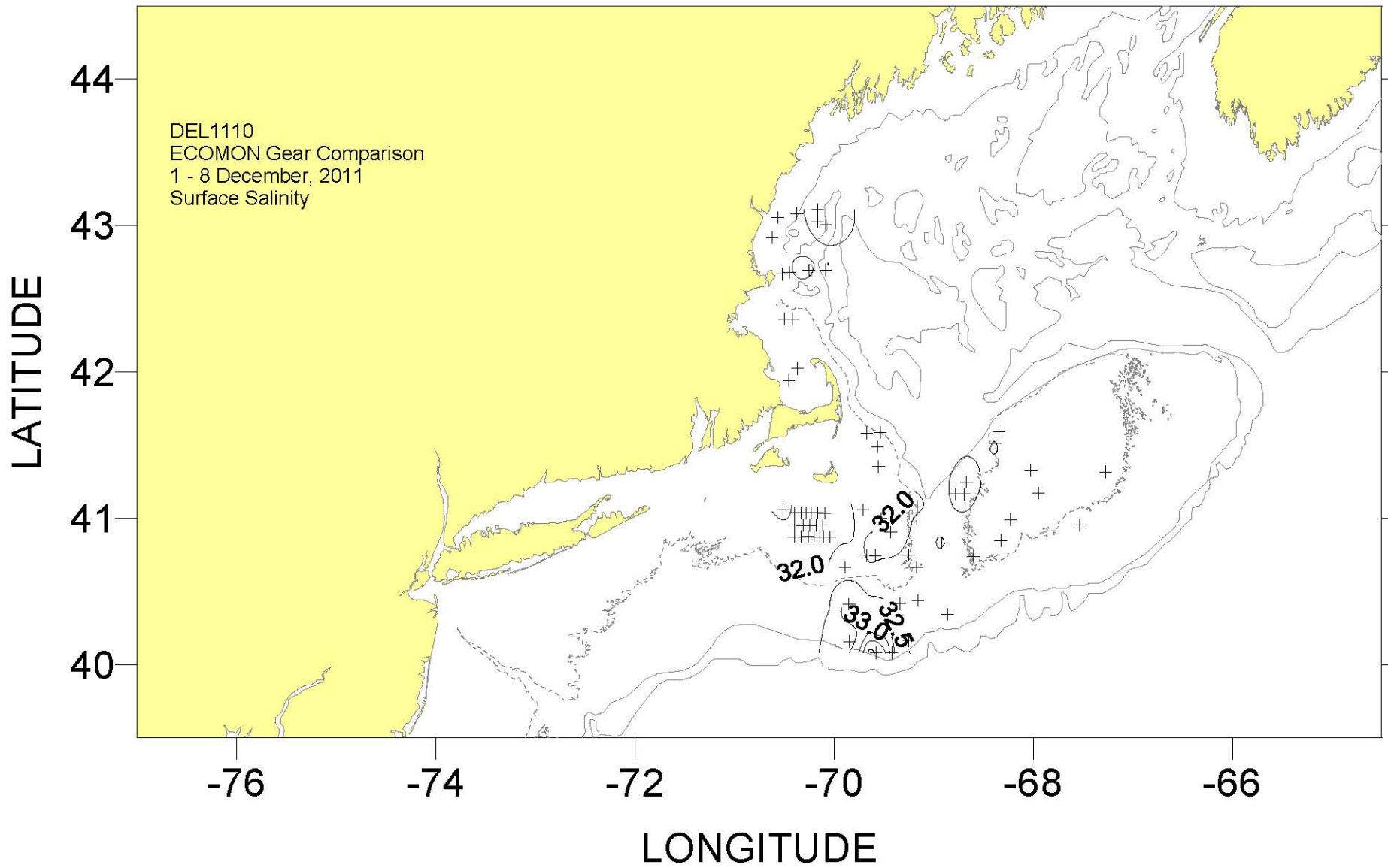
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

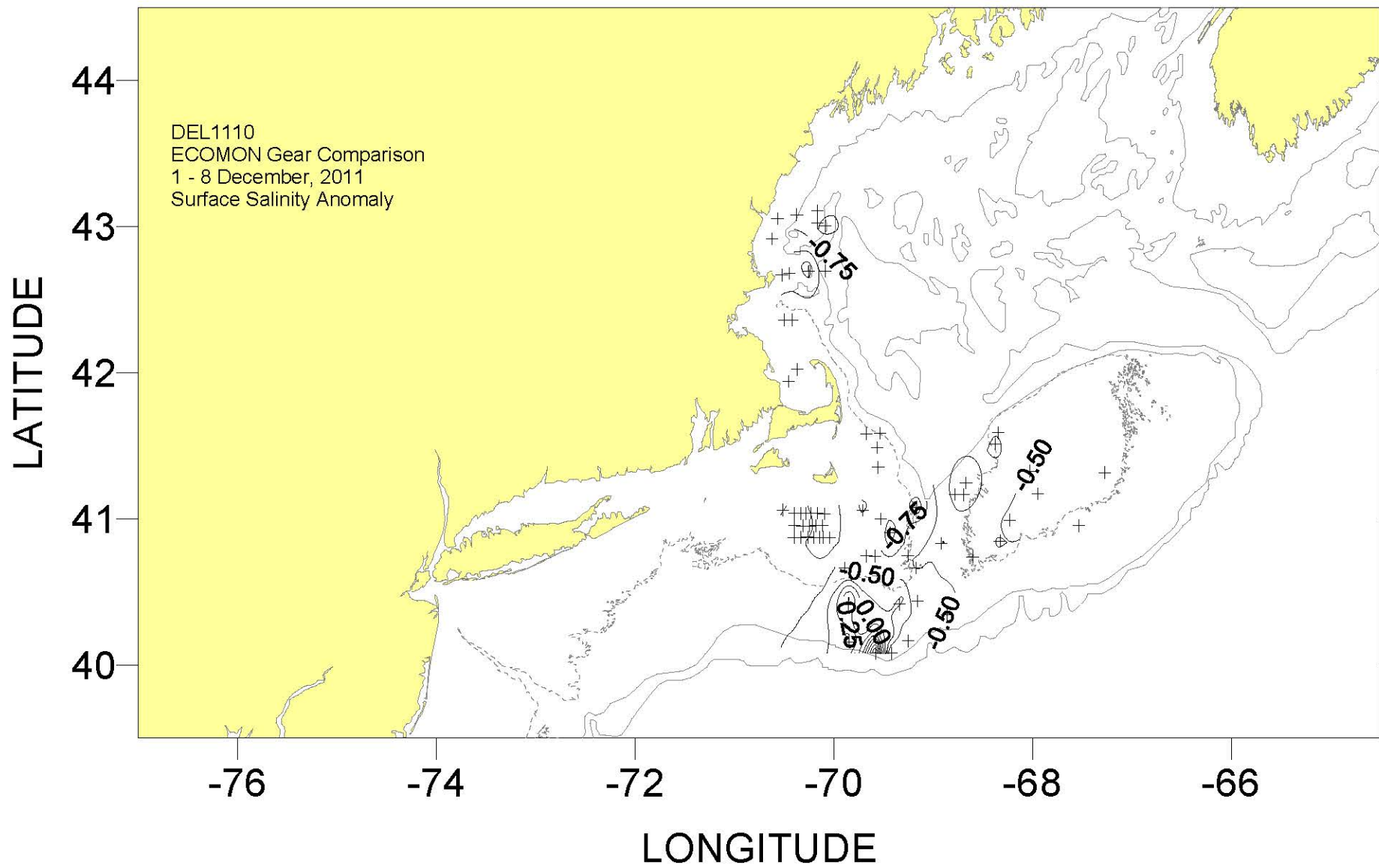
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

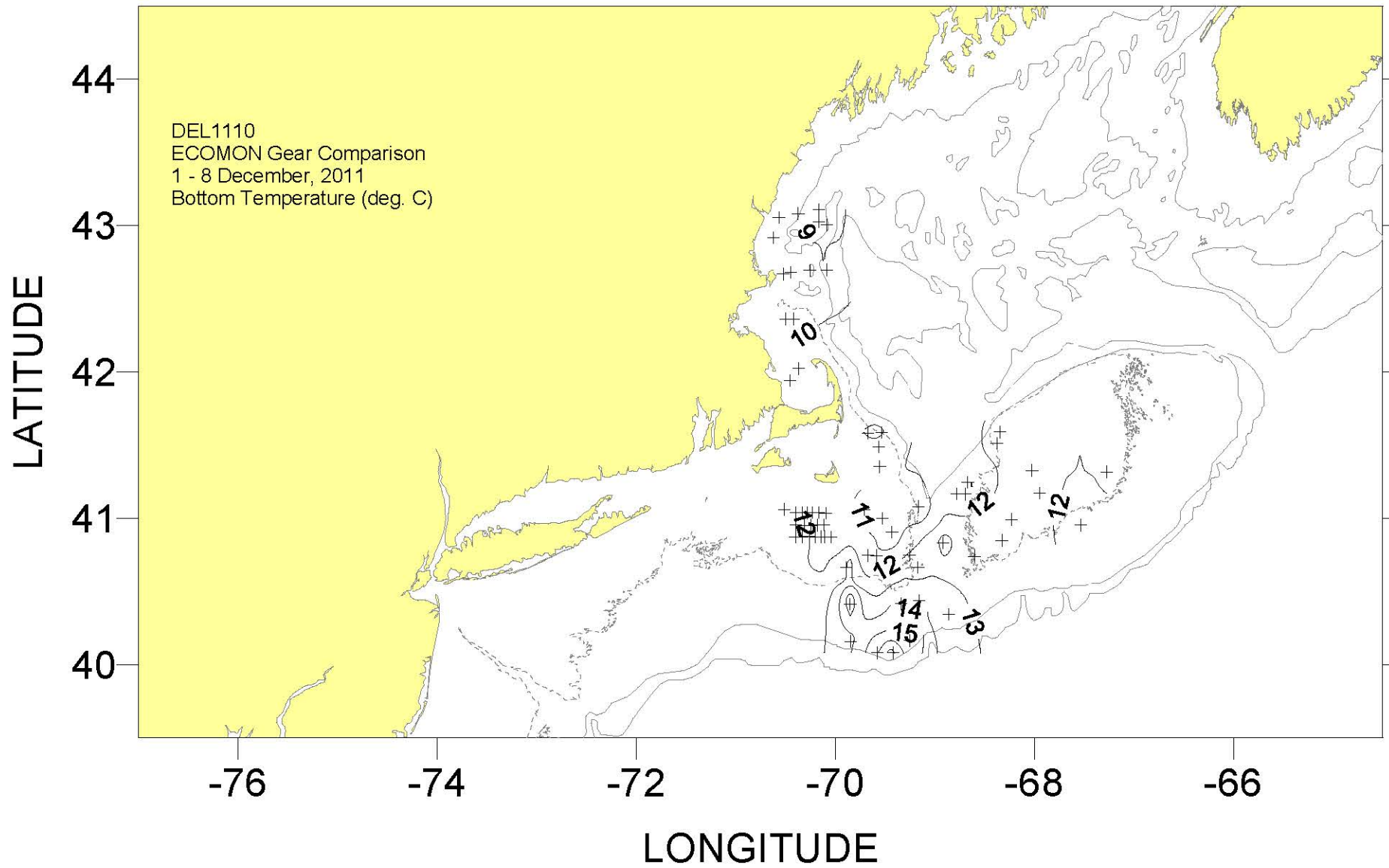
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

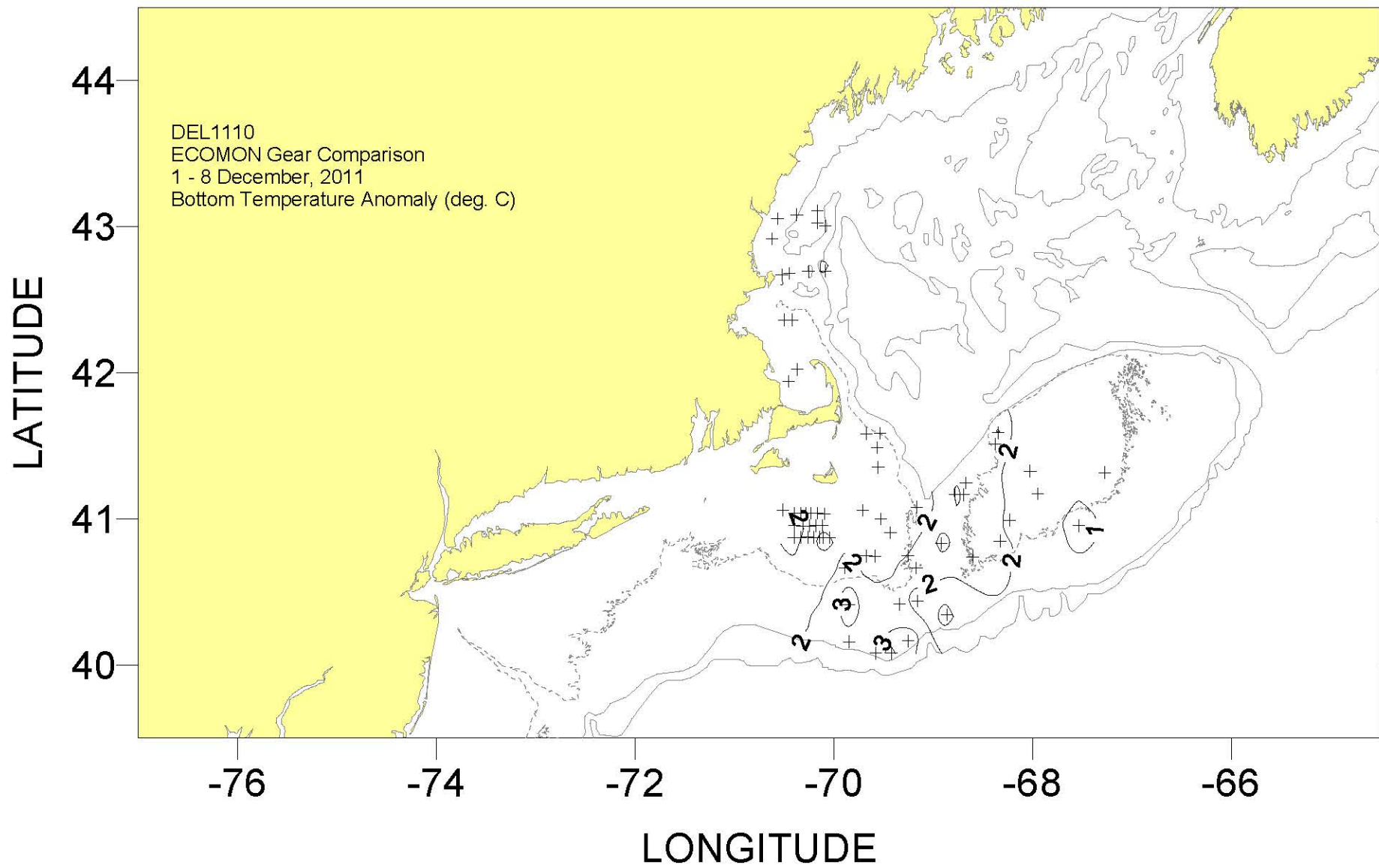


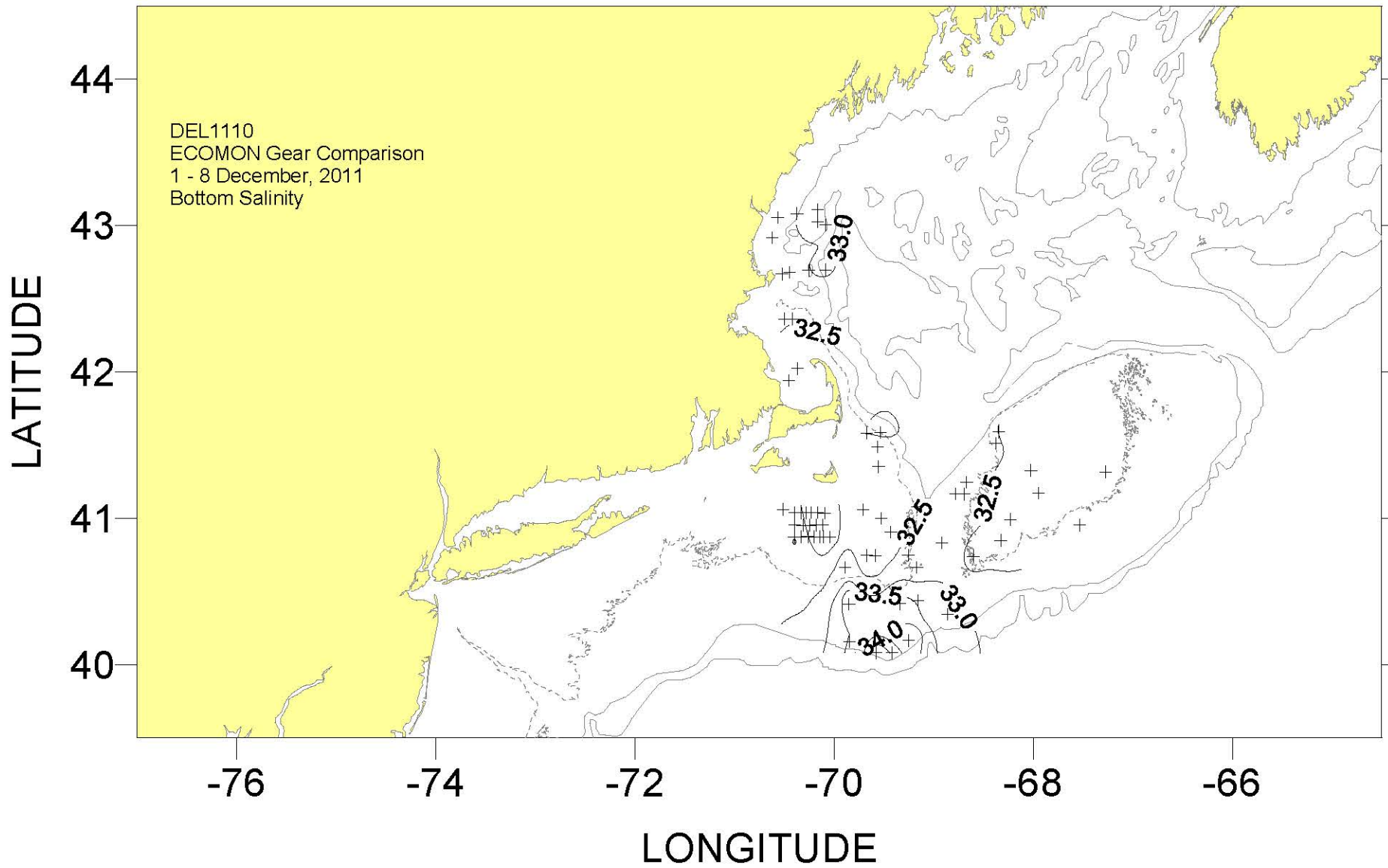


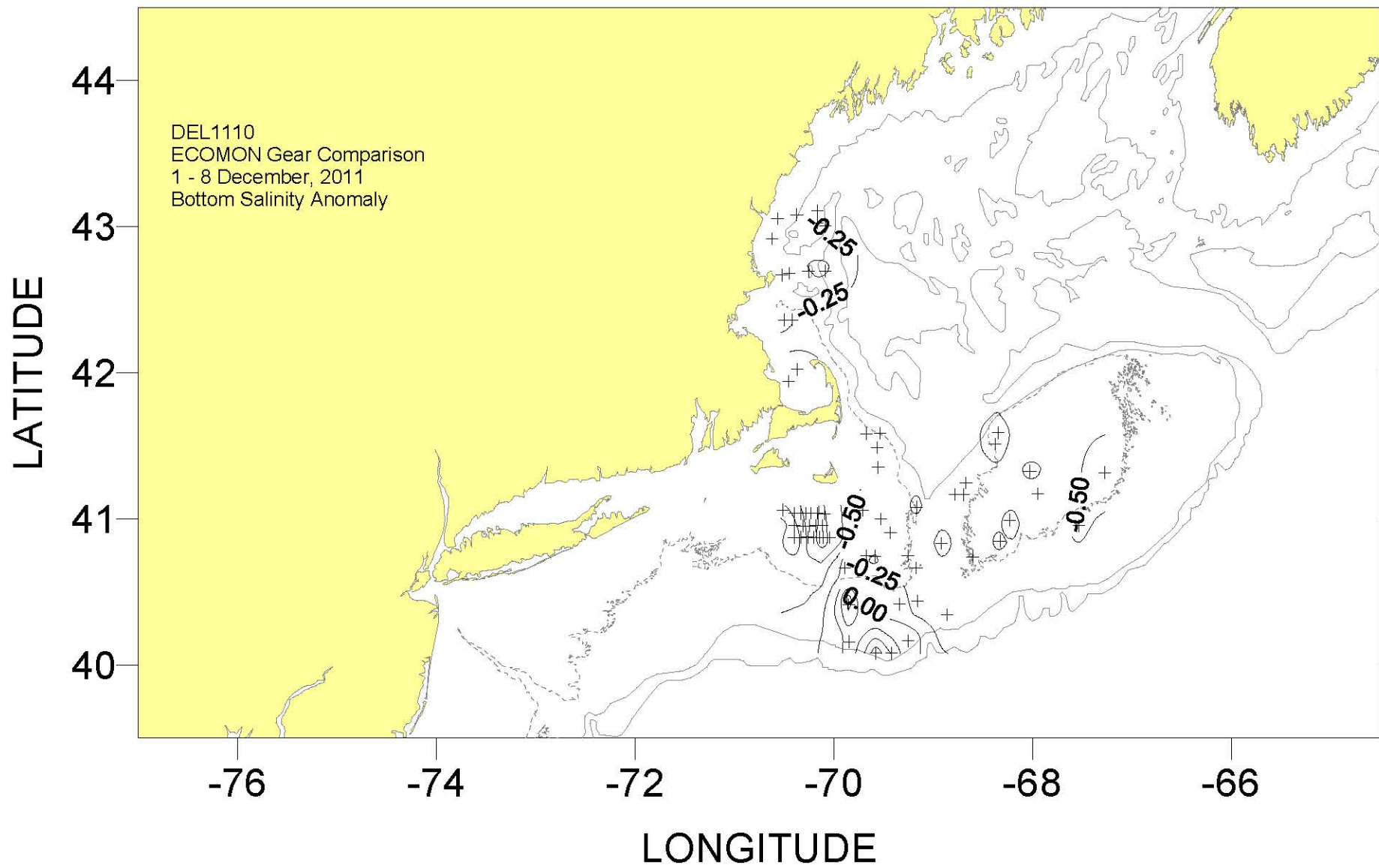












DEL1110 - ECOMON Gear Comparison

1 - 8 December, 2011

BONGO

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	4129.3	6933.9	1	12	2011	1:32	29	10.3	32.31	10.2	32.32	2
2	2	4135.0	6940.3	1	12	2011	3:10	38	10.3	32.31	9.7	32.54	5
3	3	4135.2	6932.0	1	12	2011	4:58	66	10.4	32.23	9.6	32.61	8
4	4	4121.1	6933.2	1	12	2011	7:20	32	10.5	31.99	10.6	32.15	10
5	5	4130.8	6822.6	1	12	2011	14:19	50	12.7	32.57	12.7	32.57	6
6	6	4135.3	6820.8	1	12	2011	15:37	33	12.1	32.44	12.1	32.50	7
7	7	4119.6	6801.4	1	12	2011	18:49	36	12.3	32.03	12.3	32.03	3
8	7	4120.4	6801.8	1	12	2011	19:38	41	12.3	32.03	12.3	32.03	6
9	8	4110.3	6756.8	1	12	2011	21:01	46	13.0	31.98	13.0	31.98	12
10	9	4119.0	6716.3	2	12	2011	1:06	48	12.1	32.05	12.1	32.06	9
11	10	4057.2	6732.1	2	12	2011	4:01	71	11.7	32.22	11.1	32.33	8
12	11	4059.5	6813.9	2	12	2011	8:07	57	12.9	32.11	12.9	32.12	7
13	12	4050.9	6819.6	2	12	2011	10:13	49	12.9	32.20	12.9	32.19	4
14	13	4044.4	6836.1	2	12	2011	12:22	56	12.9	32.32	12.9	32.33	5
15	13	4043.2	6835.5	2	12	2011	13:13	61	12.8	32.33	12.8	32.34	4
16	14	4020.6	6851.6	2	12	2011	15:56	94	12.4	32.41	13.4	33.36	8
17	14	4021.7	6853.5	2	12	2011	16:52	89	12.4	32.34	13.3	33.32	8
18	15	4009.9	6915.2	2	12	2011	19:15	97	12.1	32.37	16.4	34.67	6
19	15	4011.0	6915.2	2	12	2011	20:07	96	12.0	32.36	16.7	34.72	9
20	16	4004.8	6925.0	2	12	2011	21:25	96	12.0	32.39	17.7	35.07	9
21	17	4004.8	6934.8	2	12	2011	23:01	3	19.0	35.27	15.9	35.43	9
22	17	4004.8	6934.0	2	12	2011	23:52	3	19.5	35.41	15.9	35.34	9
23	18	4009.5	6950.9	3	12	2011	1:34	98	13.3	32.81	16.6	35.20	10
24	19	4026.2	6909.5	3	12	2011	6:40	81	12.3	31.66	14.8	33.55	4
25	19	4026.4	6910.4	3	12	2011	7:28	81	12.6	32.48	14.5	33.40	7
26	20	4024.9	6920.2	3	12	2011	8:34	75	13.9	32.95	15.4	33.72	9

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	
27	21	4024.8	6951.0	3	12	2011	12:28	76	15.4	33.91	16.5	34.32	1
28	22	4039.9	6953.3	3	12	2011	15:01	51	12.3	32.58	14.2	33.21	8
29	23	4103.5	6942.6	3	12	2011	19:00	42	10.3	32.17	10.3	32.17	5
30	24	4059.9	6931.5	3	12	2011	20:46	43	10.0	31.93	10.0	32.33	9
31	24	4059.6	6931.7	3	12	2011	21:23	43	10.1	32.26	10.0	32.28	8
32	25	4054.3	6925.8	3	12	2011	22:46	45	10.2	30.93	10.1	32.22	8
33	25	4053.8	6924.6	3	12	2011	23:34	47	10.2	31.32	10.2	32.21	9
34	26	4044.8	6940.3	4	12	2011	1:28	45	10.6	31.91	11.0	31.99	9
35	27	4044.7	6935.2	4	12	2011	2:32	45	10.5	31.93	10.6	31.97	9
36	27	4043.6	6935.6	4	12	2011	3:09	49	10.7	31.99	11.1	32.08	8
37	28	4044.9	6915.3	4	12	2011	5:10	57	10.5	32.32	10.5	32.31	10
38	29	4039.9	6910.1	4	12	2011	6:40	67	12.8	32.67	12.6	32.70	7
39	29	4039.5	6910.4	4	12	2011	7:18	68	12.7	32.39	12.5	32.69	7
40	30	4049.9	6855.2	4	12	2011	8:56	71	13.3	32.60	13.6	32.72	8
41	31	4104.8	6909.9	4	12	2011	11:31	70	10.0	32.29	10.0	32.35	9
42	31	4105.1	6910.4	4	12	2011	12:15	69	10.0	31.47	10.0	32.34	9
43	32	4110.0	6846.9	4	12	2011	14:08	78	13.3	32.63	11.8	32.69	9
44	33	4109.9	6841.8	4	12	2011	15:16	67	13.2	32.66	12.3	32.72	8
45	34	4114.8	6840.1	4	12	2011	16:25	64	12.6	32.72	10.6	32.62	9
46	34	4115.3	6841.0	4	12	2011	17:00	66	12.6	32.73	10.3	32.63	7
47	35	4301.6	7005.0	5	12	2011	17:42	95	9.8	32.33	9.7	32.73	10
48	35	4300.2	7005.0	5	12	2011	18:36	22	9.8	32.28	8.7	32.99	9
49	36	4301.6	7010.0	5	12	2011	19:19	76	9.8	32.27	8.1	33.32	8
50	37	4306.5	7010.0	5	12	2011	20:43	60	9.8	32.30	8.1	33.28	9
51	37	4306.2	7010.2	5	12	2011	21:30	66	9.8	32.32	8.1	33.32	7
52	38	4304.9	7022.3	5	12	2011	22:51	96	9.4	31.95	9.4	33.02	6
53	39	4303.3	7034.0	6	12	2011	1:04	47	9.5	31.79	9.8	32.48	15
54	39	4304.1	7033.5	6	12	2011	1:37	54	9.4	29.44	9.8	32.56	13
55	40	4255.0	7037.2	6	12	2011	2:57	64	9.1	29.71	9.7	32.62	11
56	41	4240.9	7031.8	6	12	2011	5:07	77	9.3	31.03	9.6	32.69	6
57	41	4240.1	7031.4	6	12	2011	5:46	86	9.7	31.71	9.6	32.77	9
58	42	4240.9	7026.8	6	12	2011	6:19	47	9.7	31.89	9.9	32.44	9
59	43	4241.6	7015.3	6	12	2011	7:37	18	9.4	31.23	9.1	33.00	16
60	43	4241.7	7016.7	6	12	2011	8:25	24	9.4	31.21	9.1	33.03	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	
61	44	4241.8	7005.2	6	12	2011	9:41	6	9.9	32.07	8.9	33.17	8
62	45	4201.4	7022.2	6	12	2011	14:46	54	10.2	31.64	10.1	32.05	9
63	45	4201.9	7022.9	6	12	2011	15:19	54	10.2	31.66	10.1	32.04	8
64	46	4221.7	7025.1	6	12	2011	20:22	83	10.1	31.79	9.8	32.52	9
65	46	4222.7	7025.2	6	12	2011	21:08	72	10.0	31.81	9.8	32.49	9
66	47	4221.7	7029.9	6	12	2011	21:43	92	10.1	31.74	9.5	32.66	7
67	48	4156.5	7027.2	7	12	2011	1:13	40	10.2	31.27	10.2	31.71	9
68	48	4157.2	7027.7	7	12	2011	1:49	39	10.2	31.34	10.2	31.68	9
69	49	4052.3	7002.7	7	12	2011	19:06	22	10.6	31.71	10.6	31.71	4
70	50	4052.4	7006.4	7	12	2011	19:42	27	10.9	31.65	10.8	31.65	4
71	51	4052.4	7008.8	7	12	2011	20:16	31	11.2	31.65	11.3	31.65	9
72	52	4052.4	7011.9	7	12	2011	20:52	36	11.7	31.75	11.8	31.84	9
73	53	4052.5	7015.7	7	12	2011	21:21	43	11.8	31.82	12.0	31.98	9
74	54	4052.4	7019.8	7	12	2011	21:53	46	12.3	32.07	13.2	32.67	8
75	55	4052.4	7024.0	7	12	2011	22:27	50	12.1	31.97	13.3	32.72	8
76	56	4057.2	7023.9	7	12	2011	23:16	45	12.1	31.95	12.7	32.30	9
77	57	4057.1	7018.8	7	12	2011	23:51	41	12.3	31.97	12.3	32.11	9
78	58	4057.1	7014.8	8	12	2011	0:19	35	12.0	31.88	12.0	31.87	9
79	59	4057.2	7010.9	8	12	2011	0:58	27	11.8	31.77	11.8	31.77	9
80	60	4057.3	7006.8	8	12	2011	1:34	22	11.3	31.64	11.3	31.64	9
81	61	4102.1	7005.7	8	12	2011	2:27	22	10.7	31.52	10.6	31.52	9
82	62	4102.3	7009.8	8	12	2011	2:58	25	11.1	31.62	11.1	31.60	9
83	63	4102.3	7013.7	8	12	2011	3:40	30	11.4	31.72	10.7	31.62	10
84	64	4102.2	7016.9	8	12	2011	4:19	35	11.9	31.80	11.1	31.69	9
85	65	4102.2	7020.0	8	12	2011	4:54	38	12.0	31.82	12.0	31.93	10
86	66	4102.2	7023.9	8	12	2011	5:30	41	12.3	32.03	12.3	32.10	8
87	67	4103.6	7030.8	8	12	2011	6:16	42	12.6	32.20	12.7	32.35	8