

Oceanography Branch CTD Data Report
CTD_REPORT_2015002HB

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DATE: August 11, 2015

Oceanography Branch CTD Data Report

CTD_REPORT_2015002HB

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

HB 15-02
ECOMON
Data Coverage: May 19 – June 2, 2015
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 HB1502 ECOMON Survey aboard the NOAA Ship *FSV Henry B Bigelow*. Data was obtained with a Seabird Electronics SBE Model 19+ V2 profiling CTD (s/n 7143) and a Seabird Electronics SBE Model 9/11+ CTD (s/n 0420). Sea water samples were taken for the purpose of correcting conductivity.

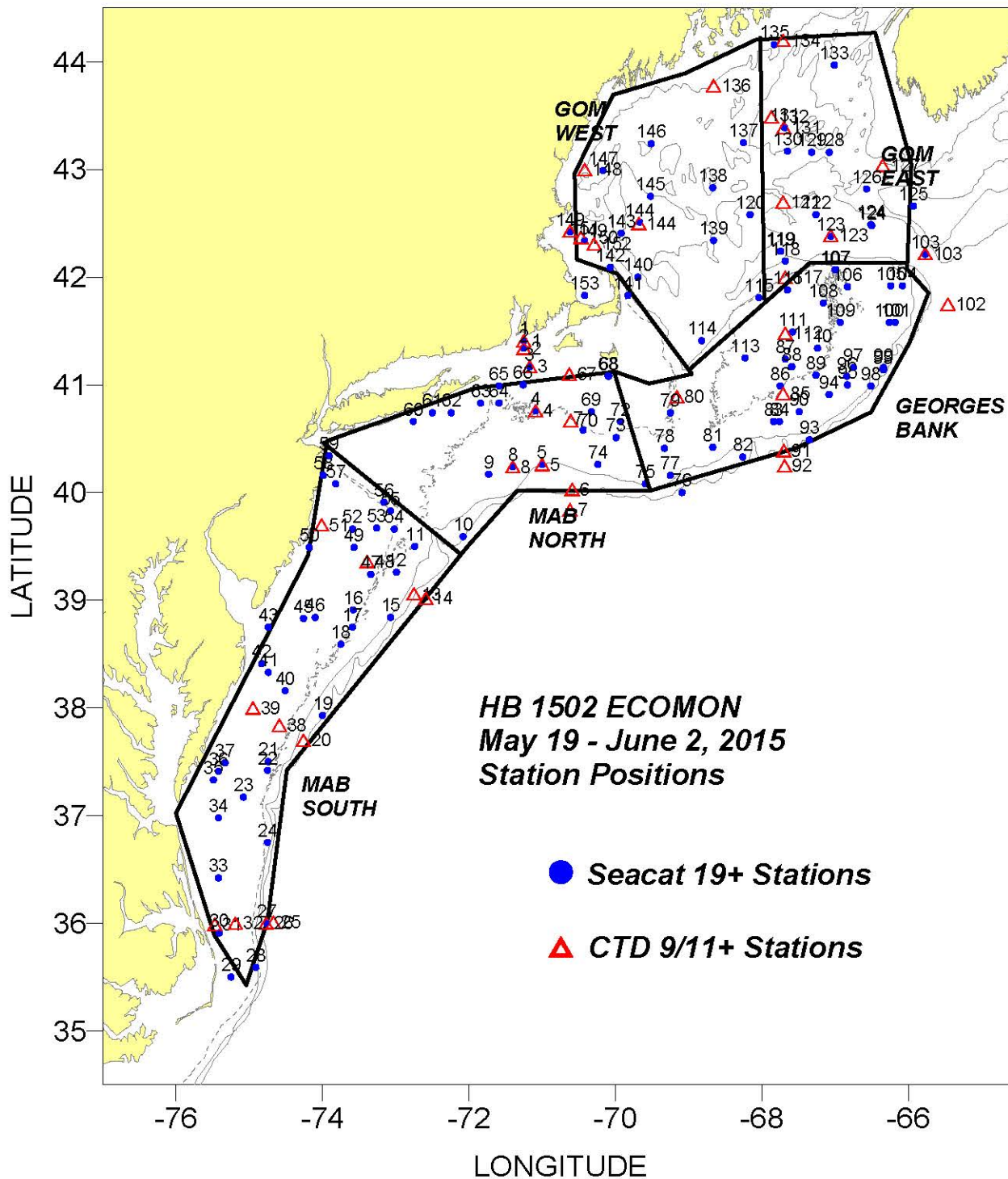
Data presented here have been audited, however, corrections and/or updates may be applied at a later time. The most recent and complete station data can be found in an NODC formatted ASCII file at:
ftp://ftp.nefsc.noaa.gov/pub/hydro/nodc_files/hb1502.dat

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

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

choose: **2015 Cruises**
MAY_ECOMON_HB1502
CTD_REPORT_2015002HB.pdf

Revised: August 11, 2015



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
HB1502 ECOMON Survey
May 19 - June 2, 2015**

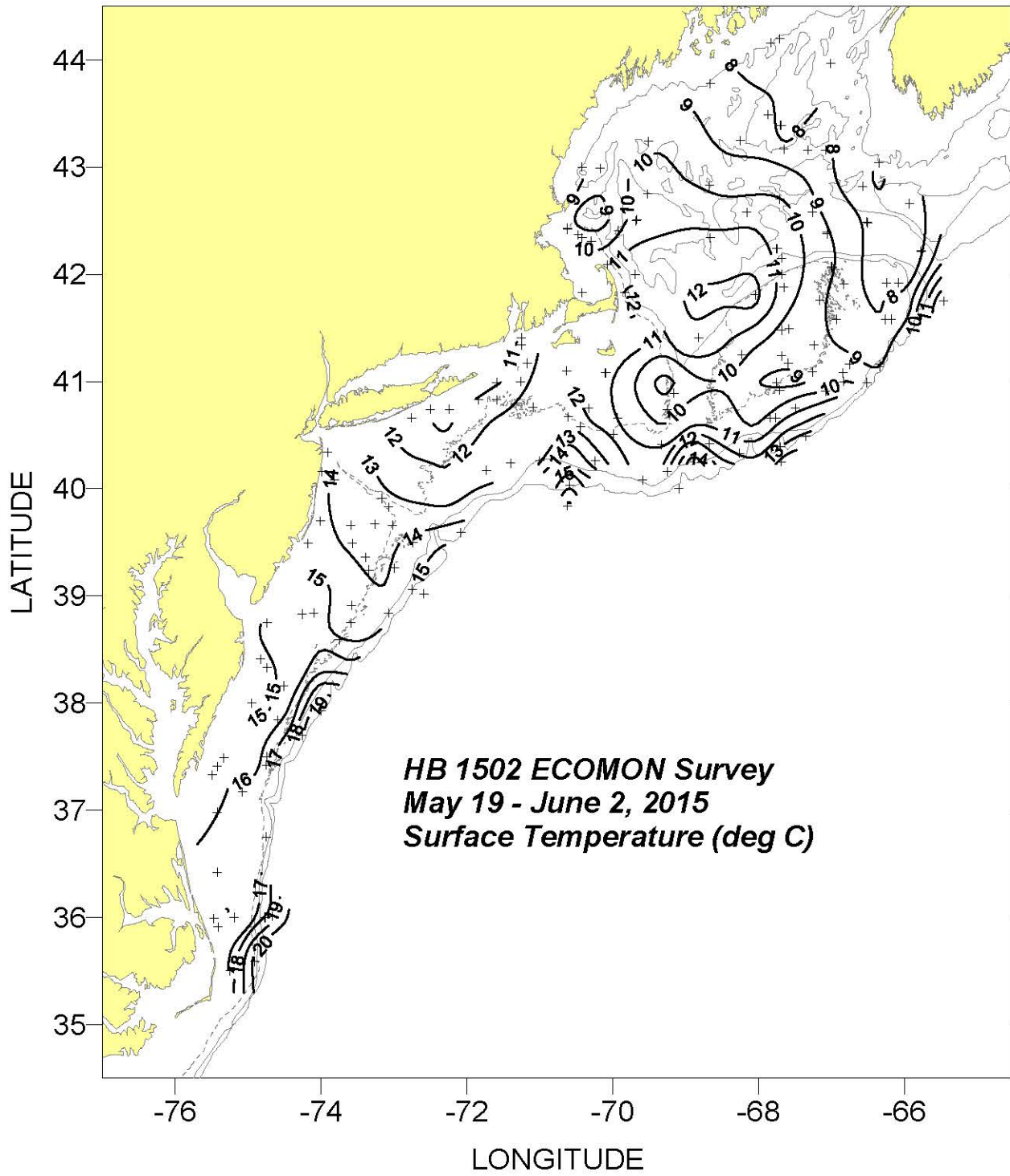
CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
Western Gulf of Maine														
hb1502	152	21	10.10	0.07	0.25	2.00	0	20	5.51	-0.19	0.21	0.64	0	22
hb1502	152	21	32.30	0.22	0.10	0.39	0	20	33.36	-0.08	0.07	0.23	0	22
Eastern Gulf of Maine														
hb1502	150	22	8.45	0.30	0.21	1.09	0	18	7.85	0.77	0.27	0.67	0	22
hb1502	150	22	32.25	-0.08	0.12	0.35	0	18	34.32	0.24	0.08	0.39	0	22
Georges Bank														
hb1502	148	37	9.64	0.43	0.24	1.18	0	35	8.62	0.77	0.22	1.07	0	22
hb1502	148	37	32.84	-0.10	0.08	0.52	0	35	33.52	0.29	0.08	0.29	0	22
MAB North														
hb1502	143	22	12.14	1.37	0.37	1.71	0	22	8.12	0.06	0.44	2.14	0	22
hb1502	143	22	32.63	0.19	0.16	0.55	0	22	33.84	0.40	0.13	0.37	0	22
MAB South														
hb1502	142	44	15.32	0.85	0.27	1.65	0	42	8.96	0.29	0.33	1.33	0	22
hb1502	142	44	33.15	0.91	0.16	0.73	0	42	33.67	0.23	0.11	0.33	0	22

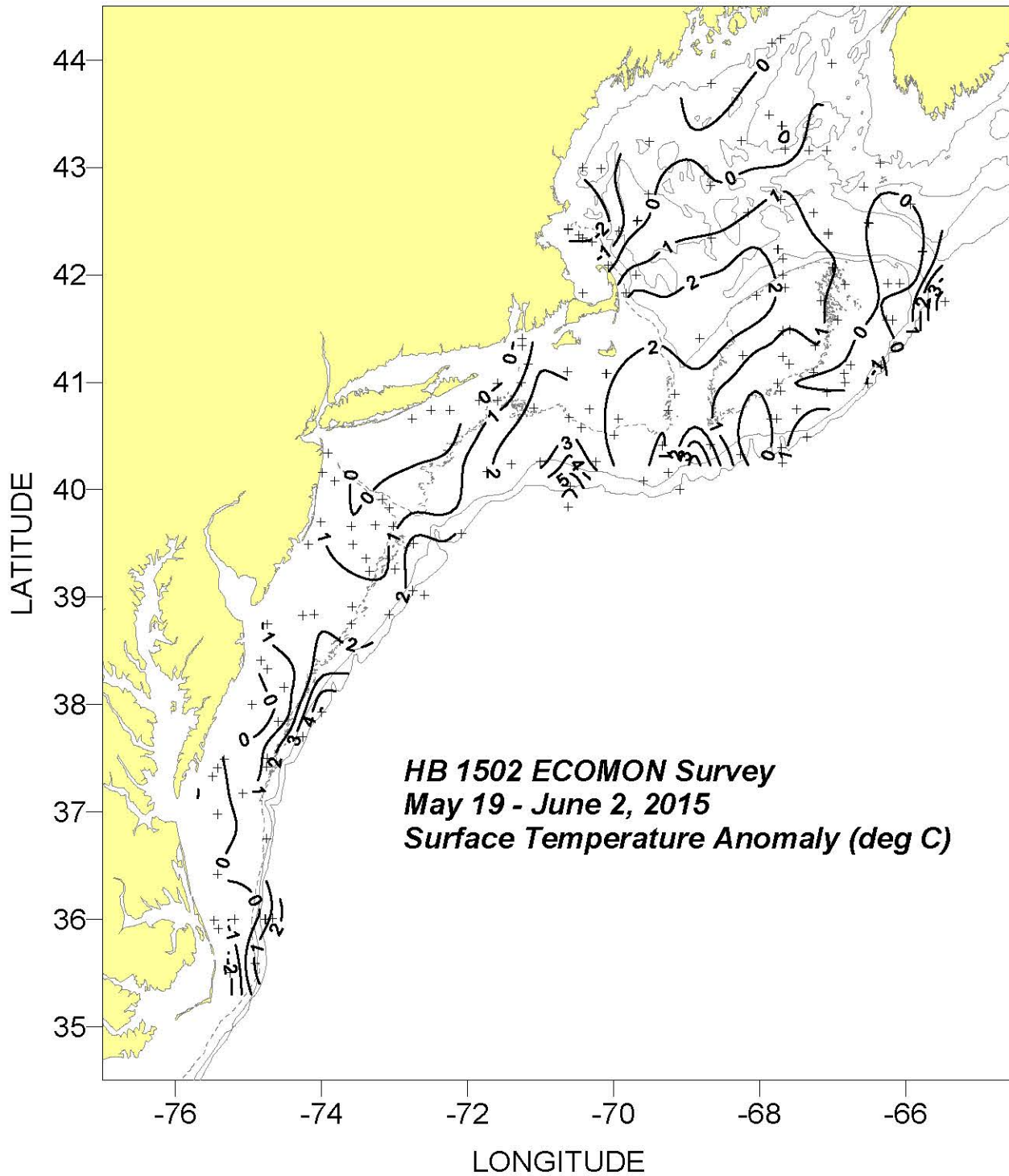
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

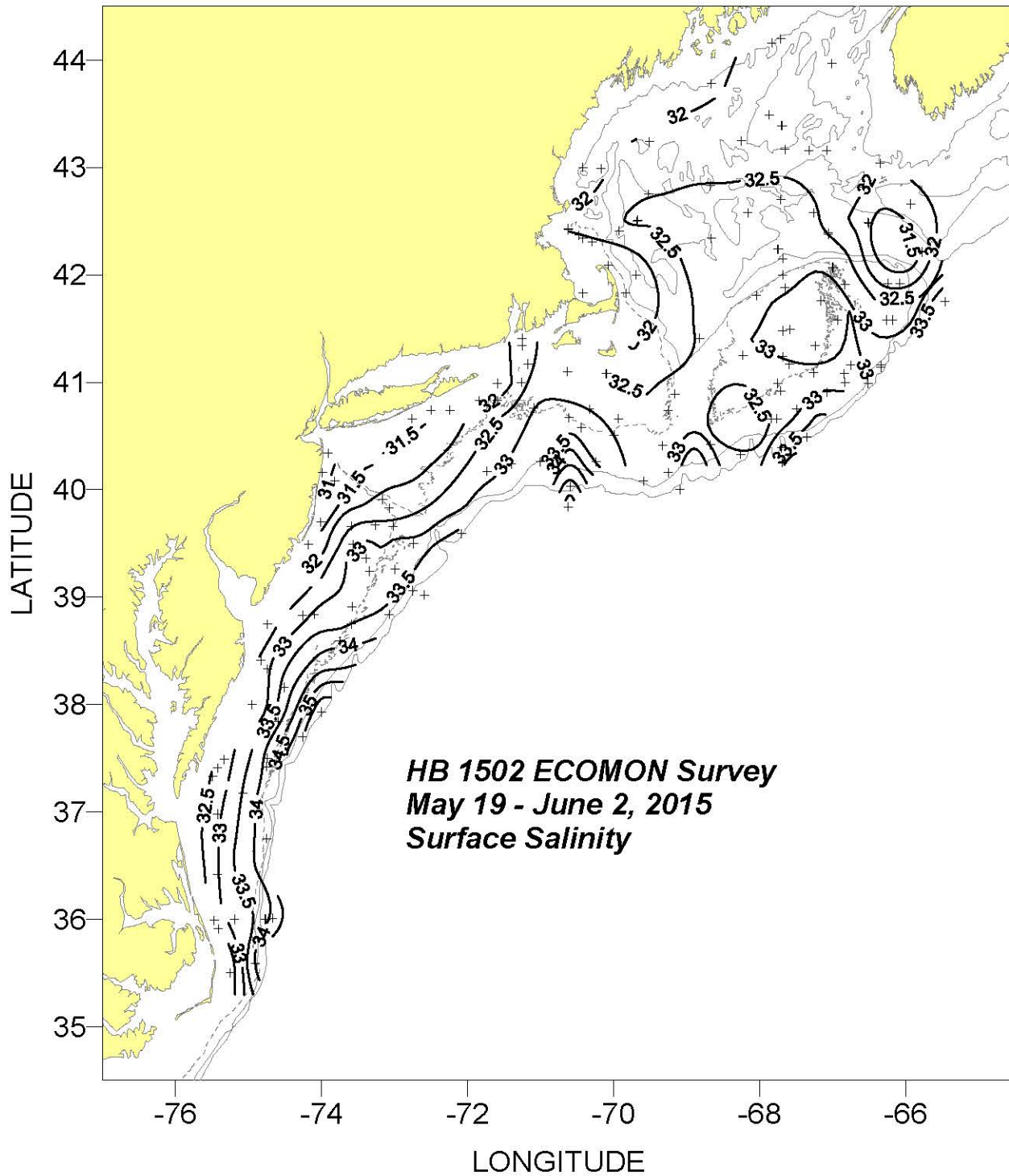
"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

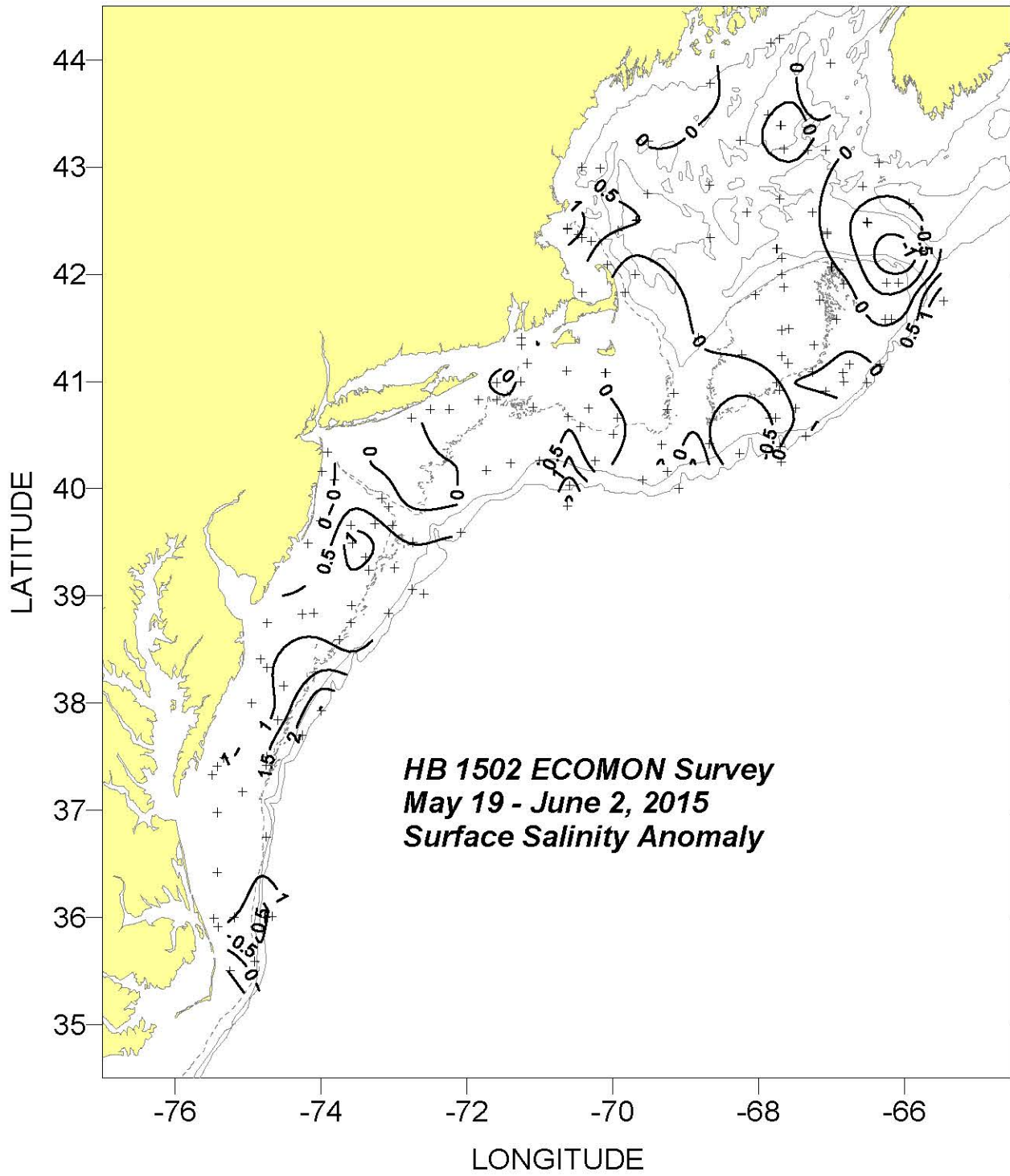
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

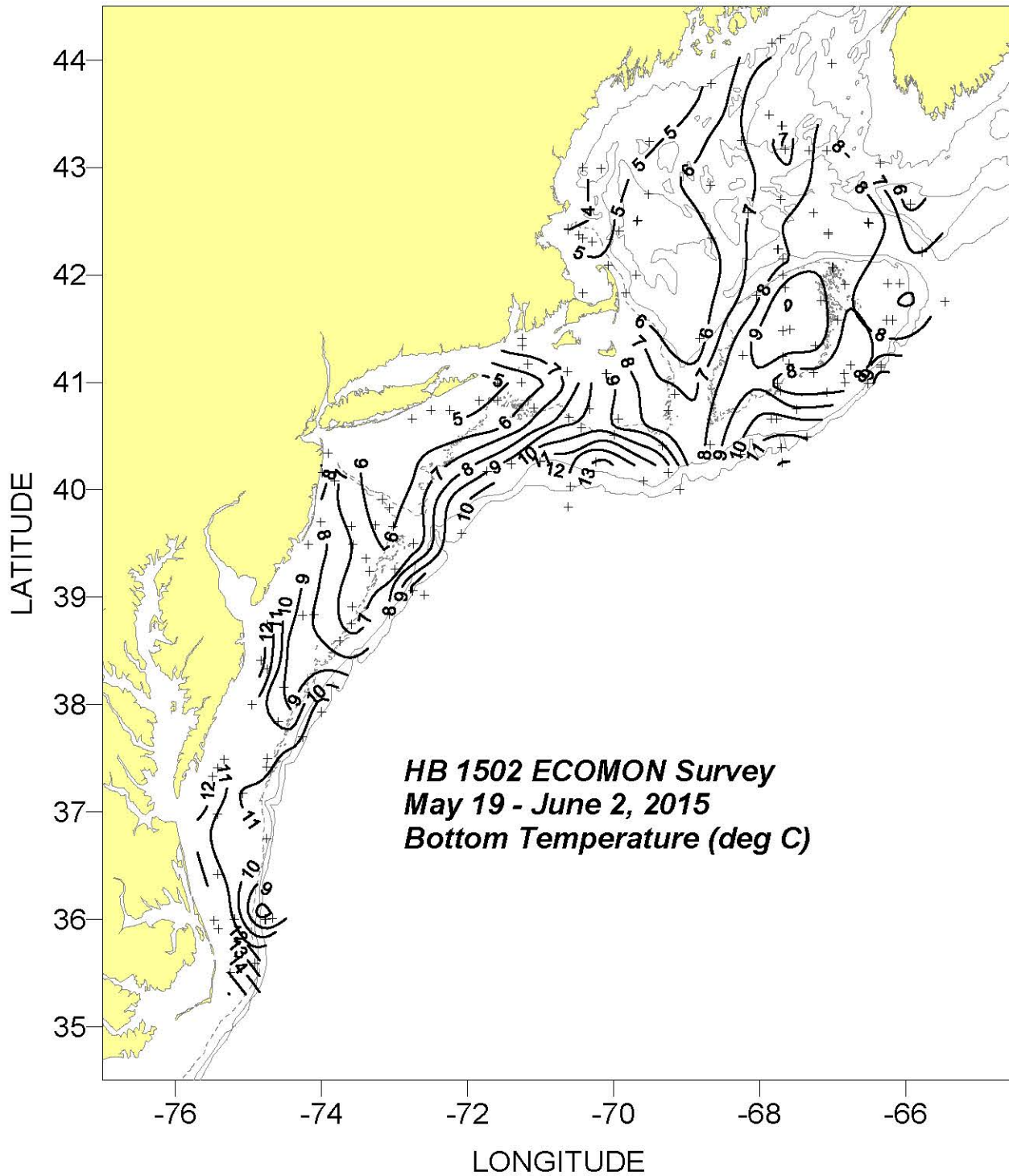
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

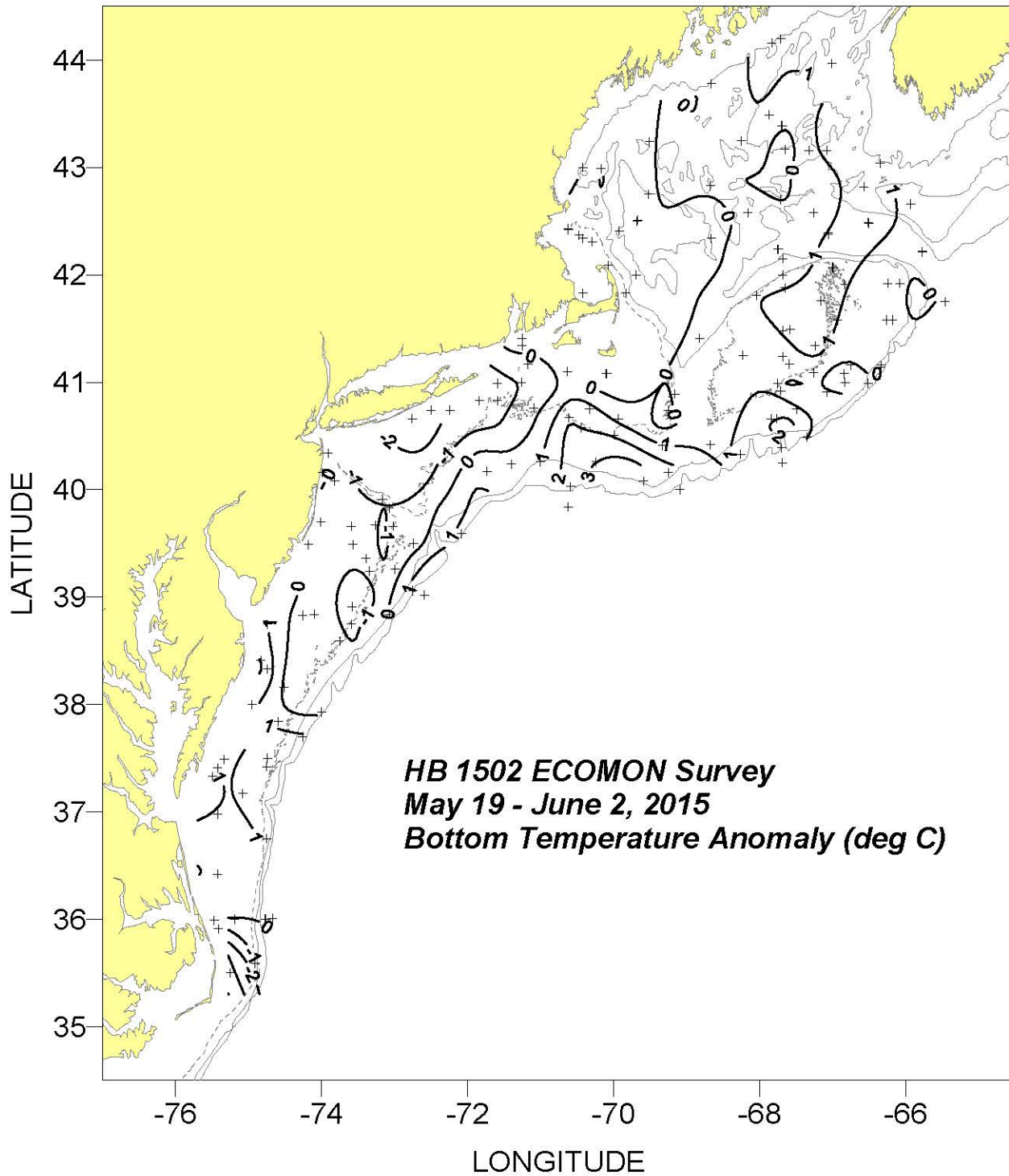


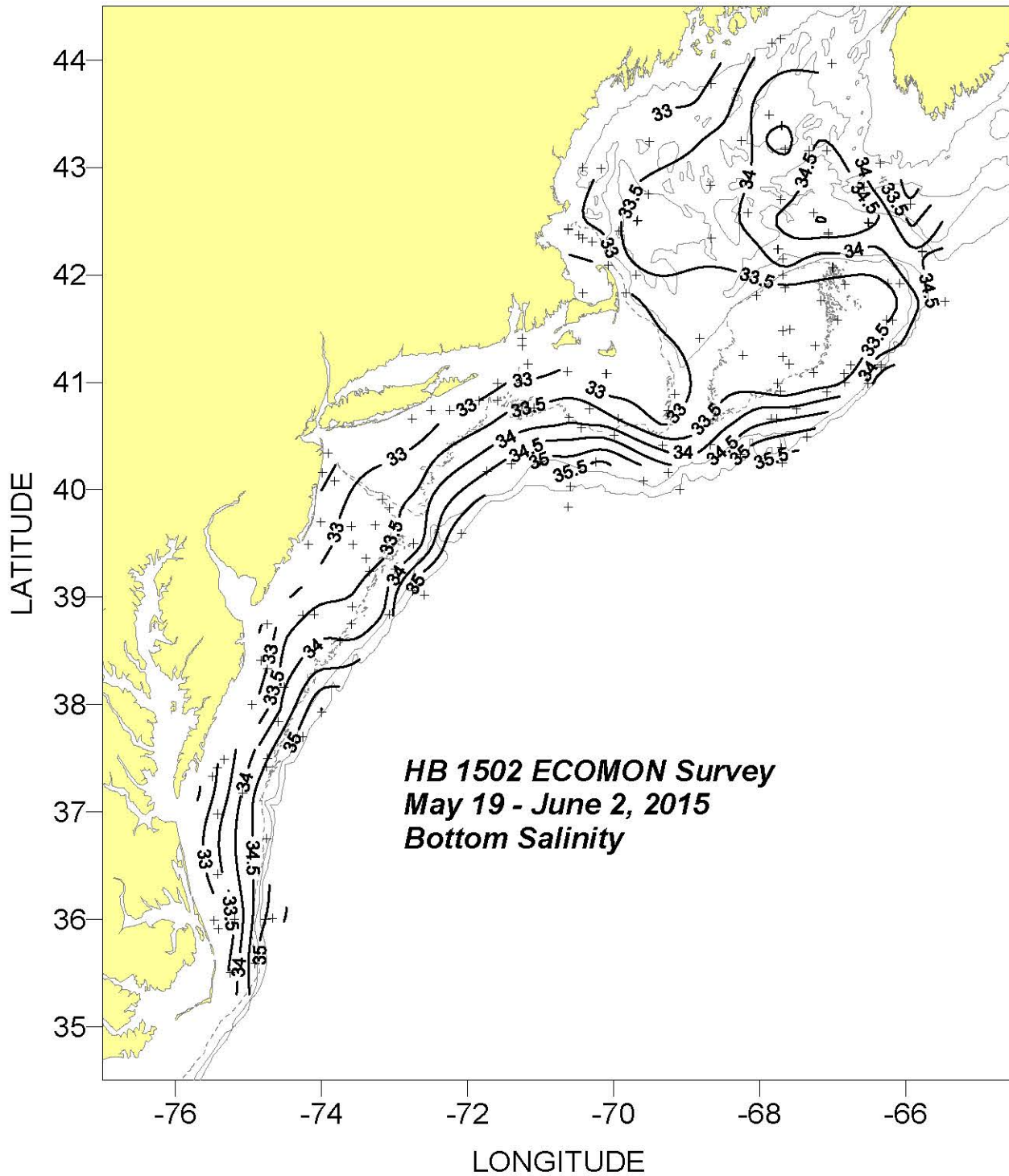


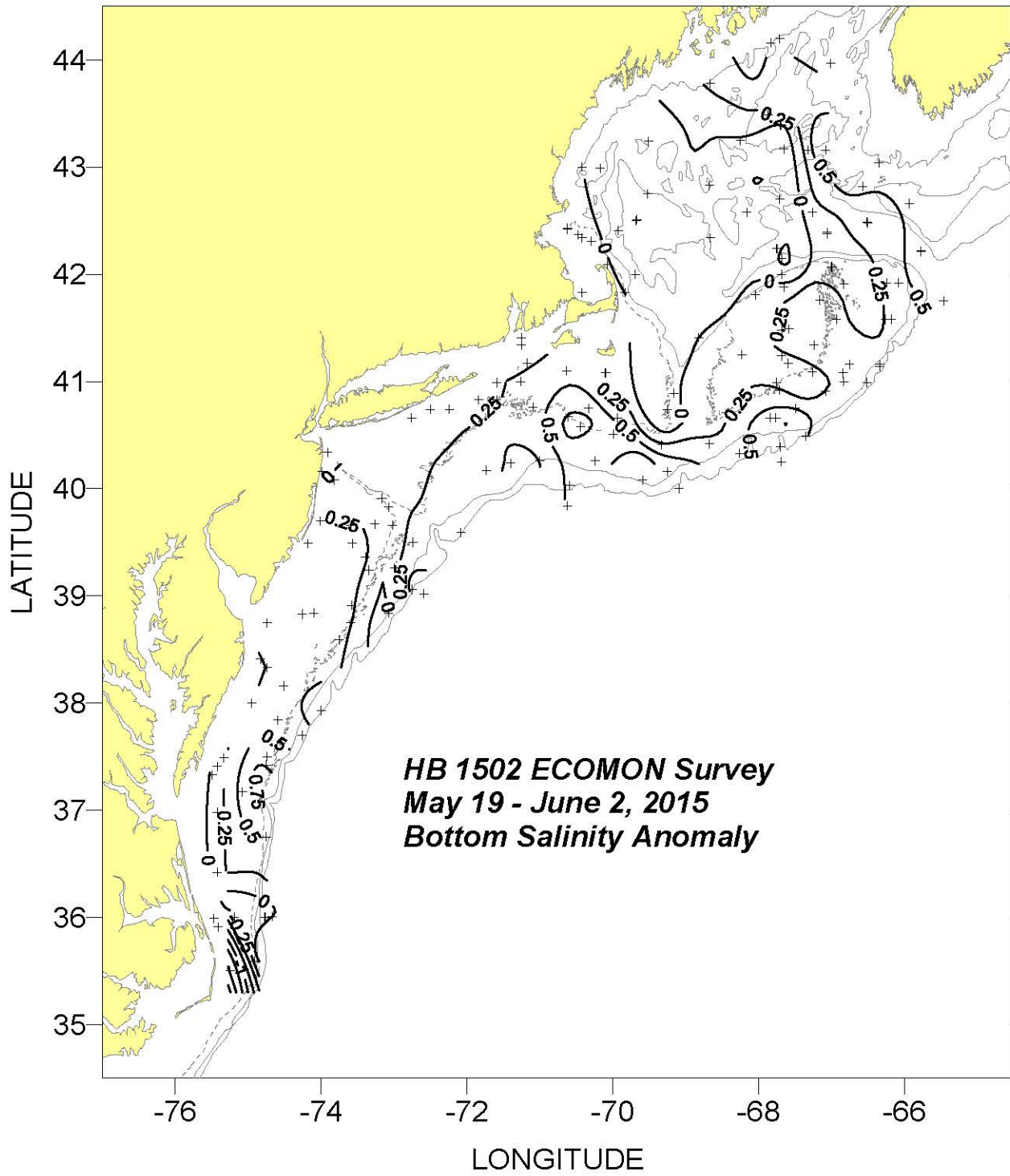












HB1502 ECOMON Survey
May 19 - June 2, 2015

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
1	1	4124.5	7115.2	19	5	2015	18:58	26	NaN	NaN	NaN	NaN	NaN	B
2	2	4120.4	7115.0	19	5	2015	19:37	31	11.31	32.61	9.48	32.63	5	B
3	3	4110.4	7110.3	19	5	2015	20:49	41	12.20	32.64	5.42	32.69	4	B
4	4	4045.6	7105.4	19	5	2015	23:34	60	12.29	33.16	5.48	33.29	3	B
5	5	4015.8	7100.1	20	5	2015	3:36	118	12.73	33.17	12.07	35.27	6	B
1	6	4001.9	7035.6	20	5	2015	6:50	183	17.89	35.88	12.20	35.60	6	W
2	7	3950.5	7037.1	20	5	2015	8:20	790	18.20	35.84	6.05	35.06	287	W
6	8	4014.4	7124.2	20	5	2015	13:01	88	12.63	33.02	9.51	34.70	4	B
7	9	4010.0	7143.8	20	5	2015	14:46	83	12.85	32.93	8.98	34.42	7	B
8	10	3935.2	7204.9	20	5	2015	18:24	188	13.54	33.24	12.13	35.60	4	B
9	11	3929.8	7244.2	20	5	2015	21:40	72	14.20	33.10	6.14	33.62	5	B
10	12	3915.7	7259.7	20	5	2015	23:35	74	14.28	33.26	6.65	33.73	7	B
3	13	3903.4	7245.1	21	5	2015	1:32	146	14.10	33.38	11.79	35.45	4	W
4	14	3900.9	7235.5	21	5	2015	2:41	1135	20.48	36.01	4.31	34.98	2	W
11	15	3850.1	7304.4	21	5	2015	5:56	92	14.20	33.44	7.63	34.02	6	B
12	16	3854.4	7334.6	21	5	2015	8:22	51	15.07	33.37	6.36	33.55	5	B
13	17	3845.1	7335.2	21	5	2015	9:27	64	14.19	33.48	6.62	33.68	4	B
14	18	3835.2	7345.0	21	5	2015	10:49	60	14.04	33.53	7.19	33.83	3	B
15	19	3755.6	7400.1	21	5	2015	14:56	174	20.42	36.01	11.97	35.58	8	B
5	20	3742.2	7415.3	21	5	2015	17:07	108	19.77	35.91	12.03	35.36	3	W
16	21	3730.0	7444.6	21	5	2015	19:43	51	16.29	34.32	10.69	34.53	4	B
17	22	3725.3	7445.0	21	5	2015	20:30	49	16.15	34.24	11.39	34.87	3	B
18	23	3710.3	7504.7	21	5	2015	22:45	37	16.36	33.39	10.74	34.05	3	B
19	24	3645.2	7445.0	22	5	2015	1:51	80	16.22	34.34	11.27	34.89	2	B
6	25	3600.3	7440.5	22	5	2015	6:09	1211	19.53	34.27	6.43	35.07	707	W
7	26	3600.2	7446.0	22	5	2015	7:40	476	17.35	33.33	6.69	35.08	8	W
20	27	3600.2	7445.3	22	5	2015	9:17	580	17.17	33.60	11.90	35.58	373	B

HB1502 ECOMON Survey
May 19 - June 2, 2015

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
21	28	3535.4	7454.4	22	5	2015	12:09	51	21.35	34.40	13.19	35.05	8	B
22	29	3529.9	7514.8	22	5	2015	14:14	31	16.35	31.88	15.98	33.52	7	B
23	30	3554.8	7524.9	22	5	2015	17:06	22	16.52	31.80	12.48	32.63	6	B
8	31	3559.4	7528.1	22	5	2015	17:51	27	16.33	31.83	13.04	32.45	2	W
9	32	3600.1	7511.1	22	5	2015	19:12	45	15.78	33.88	11.18	34.09	10	W
24	33	3625.0	7525.1	22	5	2015	21:43	27	16.69	33.04	11.35	33.39	6	B
25	34	3659.1	7525.0	23	5	2015	0:44	33	16.02	32.93	9.68	33.44	5	B
26	35	3719.6	7529.6	23	5	2015	2:53	21	15.40	32.47	13.69	32.46	5	B
27	36	3724.7	7525.1	23	5	2015	3:42	28	15.48	32.83	11.69	32.73	4	B
28	37	3729.7	7520.0	23	5	2015	4:35	30	15.92	32.88	10.16	33.37	7	B
10	38	3750.3	7435.2	23	5	2015	8:28	55	14.67	33.33	8.13	33.93	8	W
11	39	3759.8	7456.9	23	5	2015	10:36	23	14.39	32.34	11.55	32.82	4	W
29	40	3809.9	7430.8	23	5	2015	13:08	45	14.40	33.59	7.92	33.91	1	B
30	41	3819.7	7444.6	23	5	2015	14:40	28	15.01	33.20	9.10	33.33	5	B
31	42	3824.6	7449.6	23	5	2015	15:29	22	14.82	32.56	14.13	32.48	7	B
32	43	3844.9	7444.3	23	5	2015	17:44	16	15.16	32.21	11.87	32.71	3	B
33	43	3845.2	7444.5	23	5	2015	17:58	18	15.17	32.19	11.56	32.74	3	W
34	45	3849.9	7415.5	23	5	2015	20:14	46	15.97	32.87	7.80	33.68	3	B
35	46	3850.1	7406.1	23	5	2015	21:06	46	15.76	33.20	7.98	33.72	3	B
36	47	3914.5	7320.6	24	5	2015	1:06	54	14.05	33.08	6.02	33.45	3	B
12	48	3921.3	7323.2	24	5	2015	2:10	49	13.69	33.18	6.51	33.42	3	W
37	49	3929.5	7334.3	24	5	2015	3:33	36	13.74	33.06	6.98	33.41	3	B
38	50	3929.7	7410.8	24	5	2015	6:38	19	14.75	31.46	9.62	32.30	3	B
13	51	3941.9	7400.3	24	5	2015	8:27	22	14.07	31.10	7.41	32.89	2	W
39	52	3939.9	7335.7	24	5	2015	10:17	36	13.53	32.34	6.91	33.28	7	B
40	53	3940.0	7315.6	24	5	2015	11:58	42	13.41	32.89	5.87	33.20	4	B
41	54	3939.8	7301.0	24	5	2015	13:14	60	13.36	32.47	5.48	33.38	5	B

HB1502 ECOMON Survey
May 19 - June 2, 2015

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
42	55	3949.5	7304.4	24	5	2015	14:27	66	13.19	31.98	5.57	33.37	7	B
43	56	3954.3	7309.8	24	5	2015	15:17	58	13.28	32.19	5.50	33.30	6	B
44	57	4004.6	7349.0	24	5	2015	18:37	30	14.07	31.03	6.51	32.74	4	B
45	58	4009.9	7359.4	24	5	2015	19:56	19	14.44	30.82	9.43	32.11	4	B
46	59	4020.3	7354.4	24	5	2015	21:49	20	14.06	30.87	7.76	32.56	5	B
47	59	4020.3	7354.3	24	5	2015	22:00	20	14.16	30.83	7.15	32.64	2	W
48	60	4039.7	7245.3	25	5	2015	4:47	33	11.22	31.34	5.30	32.62	7	B
49	61	4044.7	7230.1	25	5	2015	6:08	33	11.32	31.42	5.24	32.61	8	B
50	62	4044.6	7214.4	25	5	2015	7:23	46	10.05	31.53	4.31	33.01	6	B
51	63	4049.8	7150.7	25	5	2015	9:17	44	11.50	31.95	4.30	32.88	6	B
52	64	4049.8	7135.7	25	5	2015	10:30	63	12.31	32.50	4.01	33.14	8	B
53	65	4059.2	7135.4	25	5	2015	11:39	43	9.68	31.12	4.30	32.87	5	B
54	66	4100.0	7115.6	25	5	2015	13:16	47	12.48	32.45	5.77	33.19	5	B
14	67	4106.2	7037.7	25	5	2015	16:08	44	11.91	32.70	7.17	33.15	1	W
55	68	4105.0	7005.9	25	5	2015	18:27	24	11.49	32.40	11.16	32.49	6	B
56	68	4104.7	7005.4	25	5	2015	18:39	23	11.47	32.39	11.14	32.49	2	W
57	69	4045.2	7019.7	25	5	2015	21:03	50	11.90	33.16	7.22	33.27	3	B
15	70	4040.4	7036.3	25	5	2015	22:33	62	12.51	33.11	8.55	33.85	1	W
58	71	4035.0	7026.2	25	5	2015	23:32	63	12.26	33.18	9.19	34.06	5	B
59	72	4039.5	6955.7	26	5	2015	1:42	52	10.62	32.64	7.30	33.16	5	B
60	73	4030.4	6959.7	26	5	2015	2:44	68	11.96	33.15	11.02	34.63	5	B
61	74	4015.5	7014.3	26	5	2015	4:32	97	13.31	33.28	13.69	35.64	7	B
62	75	4005.0	6935.5	26	5	2015	7:22	104	11.86	32.76	12.94	35.65	7	B
63	76	4000.1	6905.7	26	5	2015	9:34	339	22.40	36.29	12.92	35.70	140	B
64	76	3959.9	6905.1	26	5	2015	9:58	480	22.48	36.31	5.83	35.06	3	W
65	77	4009.3	6915.0	26	5	2015	11:33	100	11.79	32.73	11.79	35.05	5	B
66	78	4024.3	6919.6	26	5	2015	13:15	77	12.59	33.05	7.13	33.26	5	B
67	79	4044.4	6915.2	26	5	2015	15:25	65	8.04	32.73	7.57	32.81	6	B

HB1502 ECOMON Survey
May 19 - June 2,2015

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
16	80	4053.7	6909.5	26	5	2015	16:37	68	7.79	32.72	7.19	32.86	3	W
68	81	4025.1	6840.3	26	5	2015	20:01	87	12.47	32.65	7.58	33.65	3	B
69	82	4019.8	6815.7	26	5	2015	22:06	150	10.38	31.75	11.48	35.44	5	B
70	83	4039.5	6750.1	27	5	2015	1:09	82	9.99	32.20	9.92	34.32	3	B
71	84	4039.7	6745.3	27	5	2015	1:47	78	10.32	32.19	9.45	34.15	5	B
17	85	4055.1	6742.4	27	5	2015	3:50	67	8.78	32.74	6.13	32.83	4	W
72	86	4059.4	6745.2	27	5	2015	4:35	58	8.32	32.83	6.96	32.82	8	B
73	87	4114.6	6740.6	27	5	2015	6:19	37	9.07	33.00	9.13	33.01	7	B
74	88	4110.3	6735.7	27	5	2015	7:08	51	8.76	32.96	8.58	32.94	2	B
75	89	4105.2	6715.7	27	5	2015	9:02	65	8.34	32.90	6.88	33.02	6	B
76	90	4045.0	6729.5	27	5	2015	11:30	88	10.67	32.96	10.86	34.61	3	B
18	91	4023.2	6742.2	27	5	2015	13:59	152	12.65	33.80	11.88	35.48	2	W
19	92	4015.2	6741.3	27	5	2015	15:21	1179	14.56	33.96	5.86	35.04	678	W
77	93	4029.6	6720.8	27	5	2015	20:03	158	14.09	34.32	11.65	35.52	6	B
78	94	4054.9	6704.8	27	5	2015	22:54	85	9.97	32.68	7.18	33.48	4	B
79	95	4059.9	6650.0	28	5	2015	0:16	77	10.16	32.79	6.84	33.32	3	B
80	96	4104.7	6650.2	28	5	2015	1:04	74	9.80	32.83	6.70	33.25	3	B
81	97	4109.6	6645.1	28	5	2015	1:57	70	9.23	32.90	6.60	33.20	4	B
82	98	4059.7	6630.7	28	5	2015	3:28	120	9.50	32.86	11.17	34.85	8	B
83	99	4109.5	6620.4	28	5	2015	4:59	159	8.41	32.99	9.46	34.47	20	B
84	99	4108.6	6620.2	28	5	2015	5:24	285	8.41	32.99	7.78	33.09	239	W
85	100	4135.0	6615.3	28	5	2015	8:07	91	8.40	33.15	7.17	33.23	5	B
86	101	4134.8	6610.9	28	5	2015	8:43	97	8.11	33.12	6.97	33.30	4	B
20	102	4144.8	6527.4	28	5	2015	12:16	1776	13.22	34.17	5.86	35.04	1275	W
21	103	4213.2	6546.1	28	5	2015	17:35	225	6.89	31.18	8.11	35.15	2	W
87	103	4212.9	6546.3	28	5	2015	17:54	223	7.17	31.17	9.93	35.27	25	B
88	104	4155.2	6604.9	28	5	2015	20:24	96	7.05	31.45	6.05	33.33	3	B

HB1502 ECOMON Survey
May 19 - June 2, 2015

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
89	105	4155.1	6614.6	28	5	2015	21:37	83	7.40	31.47	6.85	33.15	6	B
90	106	4154.7	6649.8	29	5	2015	0:12	63	8.47	33.14	8.35	33.14	6	B
91	107	4204.3	6659.9	29	5	2015	1:45	63	9.33	33.06	8.79	33.09	6	B
92	107	4204.0	6659.2	29	5	2015	1:56	63	8.97	33.09	8.78	33.09	4	W
93	108	4145.6	6709.6	29	5	2015	3:47	52	9.22	33.18	9.23	33.18	5	B
94	109	4135.0	6656.0	29	5	2015	5:06	64	8.45	33.06	8.40	33.07	7	B
95	110	4120.6	6714.7	29	5	2015	6:51	51	9.54	33.22	9.51	33.22	6	B
96	111	4129.6	6735.0	29	5	2015	8:26	32	9.92	33.18	9.92	33.18	6	B
22	112	4128.5	6740.9	29	5	2015	9:05	40	10.07	33.17	10.06	33.17	3	W
97	113	4115.0	6813.8	29	5	2015	11:46	42	9.85	33.07	9.81	33.07	3	B
98	114	4124.5	6849.3	29	5	2015	14:59	138	12.45	32.53	4.90	33.24	4	B
99	115	4148.8	6802.6	29	5	2015	19:43	58	12.53	32.86	7.60	33.10	4	B
100	115	4148.9	6802.4	29	5	2015	19:53	58	11.78	32.76	7.66	33.10	6	W
101	116	4152.7	6738.8	29	5	2015	21:54	38	10.27	32.99	10.17	32.99	6	B
23	117	4200.1	6740.9	29	5	2015	22:51	58	11.25	32.80	8.25	33.08	2	W
102	118	4209.2	6740.7	30	5	2015	0:00	191	10.40	32.69	7.64	34.46	5	B
103	119	4214.1	6744.8	30	5	2015	1:02	230	11.16	32.80	8.52	34.95	7	B
104	119	4214.5	6744.7	30	5	2015	1:27	229	10.45	32.72	8.56	34.97	3	V
105	120	4234.5	6809.3	30	5	2015	4:30	183	10.31	32.61	6.98	34.03	7	B
24	121	4242.0	6742.5	30	5	2015	7:02	190	10.82	32.91	7.55	34.27	6	W
106	122	4235.0	6715.7	30	5	2015	9:18	286	8.83	32.50	8.53	34.81	84	B
107	122	4234.7	6715.5	30	5	2015	9:47	289	8.71	32.49	8.46	35.02	4	W
25	123	4223.1	6703.4	30	5	2015	11:41	345	9.86	32.56	8.59	35.04	4	W
108	123	4223.0	6703.5	30	5	2015	12:07	344	9.85	32.56	8.21	34.60	143	B
109	124	4229.2	6630.7	30	5	2015	14:56	265	7.82	31.26	9.83	35.23	62	B
110	124	4228.8	6630.0	30	5	2015	15:19	264	7.84	31.31	9.61	35.23	6	W
111	125	4239.7	6555.8	30	5	2015	18:09	86	7.81	31.86	5.05	32.42	7	B
112	126	4249.4	6634.2	30	5	2015	21:11	161	6.85	31.99	7.83	34.23	3	B

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Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
26	127	4302.2	6620.8	30	5	2015	23:06	132	6.71	32.09	6.41	33.34	2	W
113	128	4309.7	6704.7	31	5	2015	2:24	189	8.46	32.42	8.72	34.75	3	B
114	129	4309.8	6719.3	31	5	2015	3:52	184	8.71	32.35	7.78	34.38	7	B
115	130	4310.2	6739.0	31	5	2015	5:45	192	7.81	31.98	6.10	33.68	7	B
27	131	4323.7	6742.0	31	5	2015	7:36	248	8.16	32.14	7.45	34.16	6	W
116	131	4323.4	6741.4	31	5	2015	8:00	247	7.92	32.10	7.16	34.00	45	B
28	132	4329.5	6752.3	31	5	2015	9:32	284	8.47	32.38	8.92	34.54	3	W
117	133	4358.4	6700.8	31	5	2015	13:41	170	7.80	32.39	7.24	33.88	3	B
29	134	4411.9	6742.8	31	5	2015	17:23	176	6.51	32.01	7.05	33.74	3	W
118	135	4409.8	6749.8	31	5	2015	18:12	124	7.11	32.22	6.70	33.53	5	B
30	136	4346.7	6839.9	31	5	2015	22:19	111	8.54	31.85	4.73	32.79	1	W
119	137	4315.2	6815.2	1	6	2015	2:02	198	8.46	32.28	6.91	33.87	6	B
120	138	4250.0	6840.3	1	6	2015	5:24	195	9.65	32.51	6.83	33.97	6	B
121	139	4220.3	6839.8	1	6	2015	8:51	188	11.35	32.91	5.54	33.60	3	B
122	140	4159.9	6941.4	1	6	2015	14:23	189	11.49	31.56	5.58	33.61	7	B
123	141	4149.9	6949.8	1	6	2015	15:58	78	12.81	31.40	4.49	32.80	7	B
124	142	4205.1	7004.3	1	6	2015	18:08	36	11.67	31.52	5.01	32.52	7	B
125	143	4224.4	6955.4	1	6	2015	20:37	201	10.38	32.35	5.77	33.63	1	B
31	144	4230.0	6940.9	1	6	2015	22:31	263	10.21	32.66	5.91	33.68	6	W
126	144	4230.4	6940.0	1	6	2015	23:08	250	10.26	32.67	5.80	33.65	46	B
127	145	4244.8	6931.3	2	6	2015	1:48	206	10.55	32.58	5.90	33.67	6	B
128	146	4314.3	6930.7	2	6	2015	6:14	150	9.97	32.08	4.73	33.19	4	B
129	147	4259.7	7010.3	2	6	2015	9:37	190	9.56	31.84	3.92	33.06	5	B
130	147	4259.6	7010.5	2	6	2015	10:17	189	9.55	31.85	3.92	33.06	5	B
32	148	4300.1	7025.1	2	6	2015	11:41	104	8.70	31.73	4.11	32.69	4	W
131	149	4225.5	7037.1	2	6	2015	15:17	88	9.47	32.09	3.62	32.81	6	B
33	149	4225.7	7037.1	2	6	2015	15:38	90	9.55	32.08	3.60	32.82	1	W

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Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
34	150	4222.4	7028.0	2	6	2015	16:45	88	7.83	32.22	3.51	32.88	4	W
132	151	4220.1	7025.1	2	6	2015	17:24	94	8.62	32.06	3.41	32.91	6	B
35	152	4218.9	7017.4	2	6	2015	18:23	33	7.11	32.30	4.05	32.79	2	W
133	153	4149.9	7025.2	2	6	2015	21:05	26	13.12	31.22	8.67	31.94	5	B

Deployment codes: B=bongo cast; W=water cast; and V=vertical cast

Casts in bold are from SBE9/11+ s/n 0420