

*Oceanography Branch CTD Data Report
Northeast Shelf Ecosystem Monitoring
Gear Testing Cruise – HB 08-04*

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DATE: June 9 – 13, 2008

Oceanography Branch CTD Data Report

CTD_REPORT_2008004HB

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

HB 08-04
Northeast Shelf Ecosystem Monitoring Gear Testing Cruise
Data Coverage: June 9 – 13, 2008
Northern Mid Atlantic Bight

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's 2008 Northeast Shelf Ecosystem Monitoring Gear Testing Cruise aboard the NOAA FRV *Henry B. Bigelow*. All data was obtained with Seabird Electronics SBE Model 19 profiling CTDs (s/n's 2879, 4477, 4758, and 4759).

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/hb0804.dat>

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

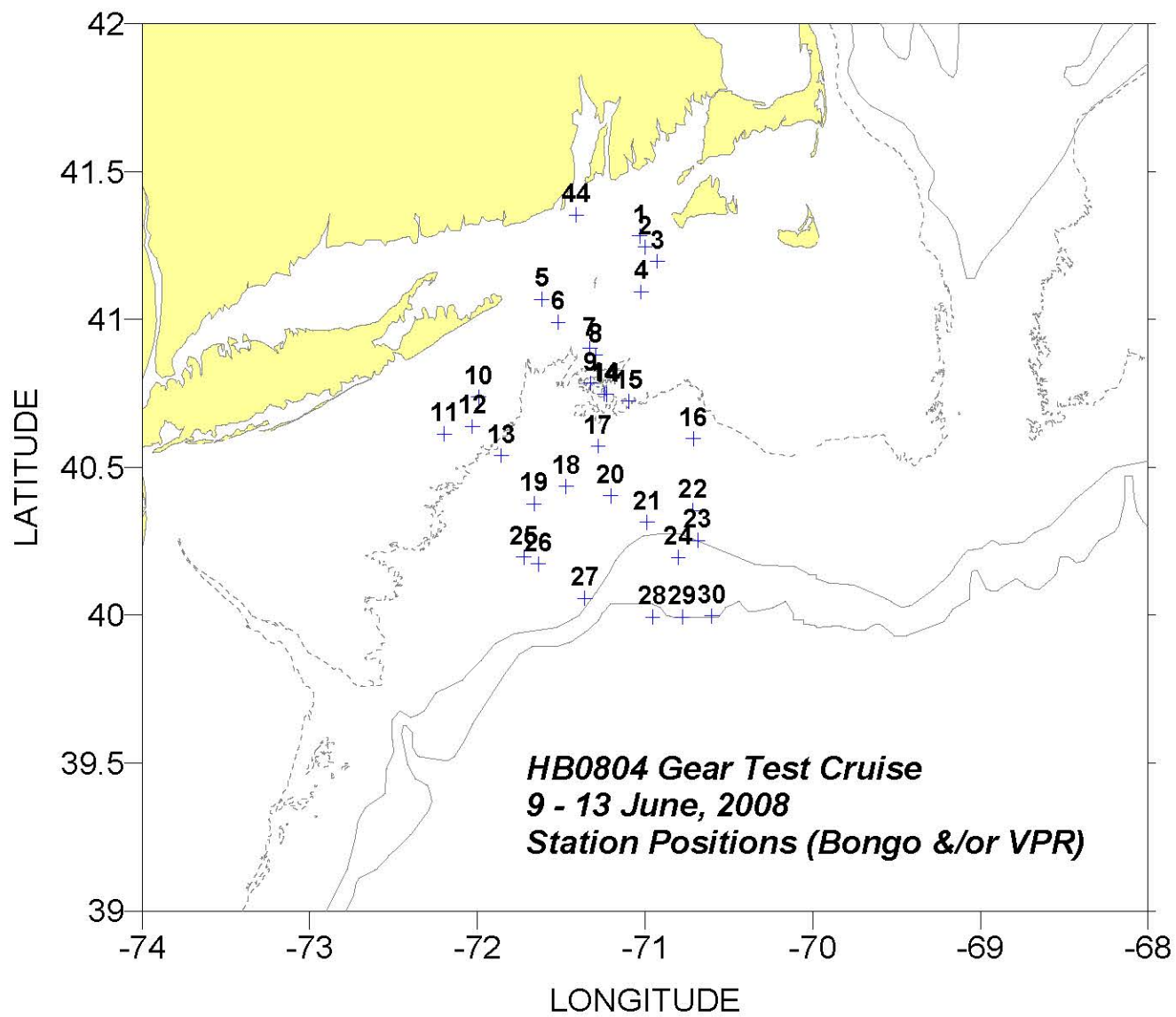
<http://www.nefsc.noaa.gov/HydroAtlas/>

choose: **2008 Cruises**

JUN_ECOMON_HB0804

CTD_REPORT_2008004HB.pdf

Revised: July 24, 2009



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the HB0804 Gear Testing Cruise														
SURFACE								BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
	MAB North													
HB0804	163	50	16.45	2.11	0.18	1.03	1	41	8.73	1.13	0.20	1.66	1	70
HB0804	163	50	31.79	-0.66	0.12	0.39	1	41	33.28	0.09	0.12	0.59	1	70

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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.

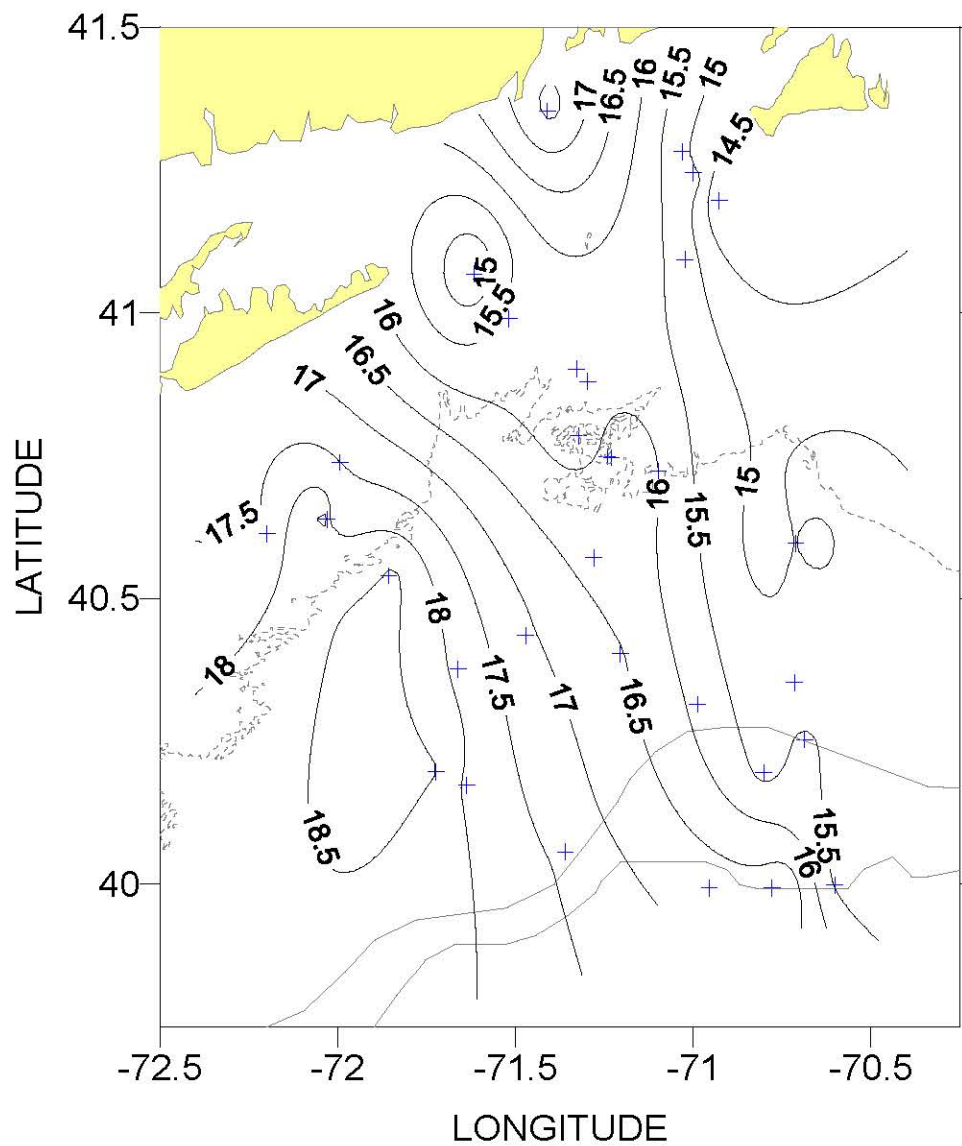
SDV1, the standard deviation associated with the average temp/salt anomaly.

SDV2, the standard deviation of the individual anomalies from which the average anomaly was derived.

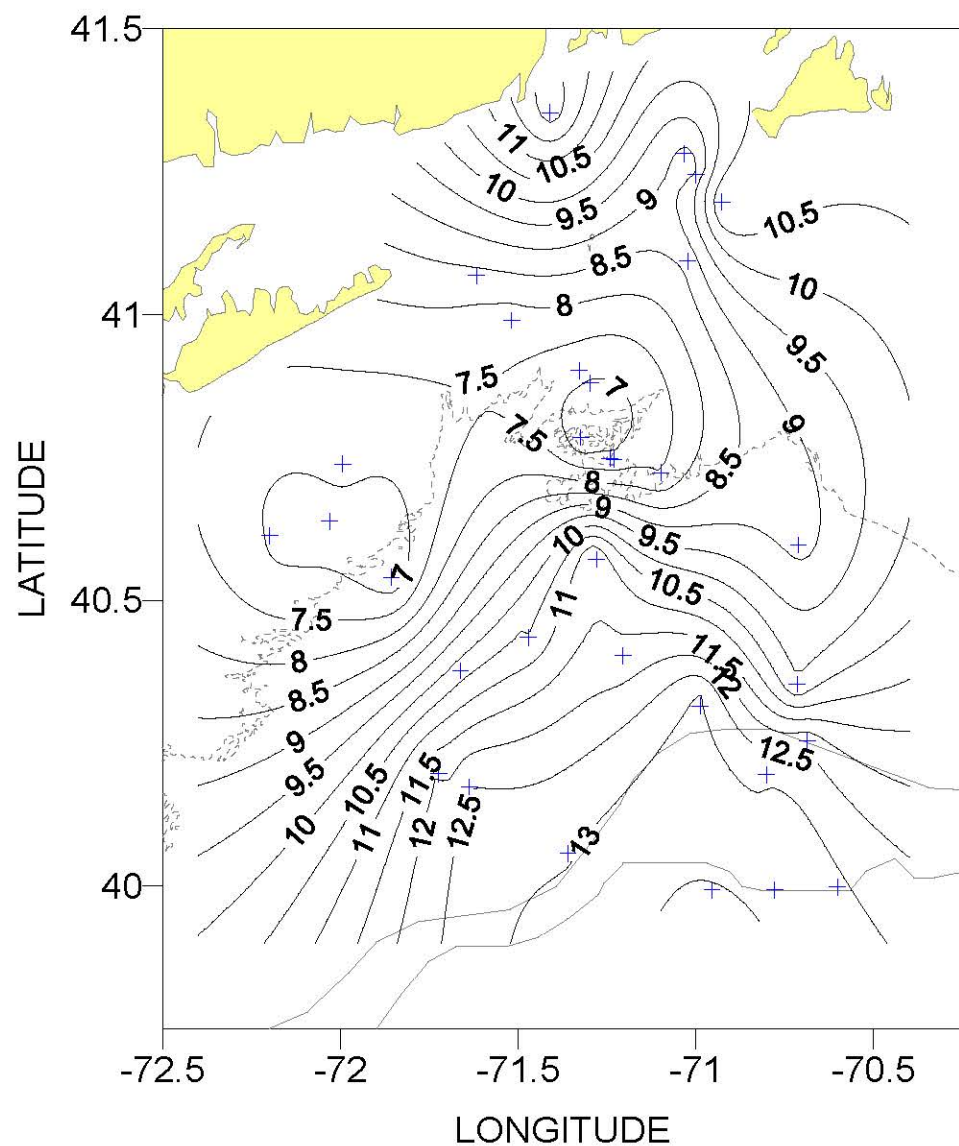
Flag, a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

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

HB0804 Gear Test Cruise
9 - 13 June, 2008

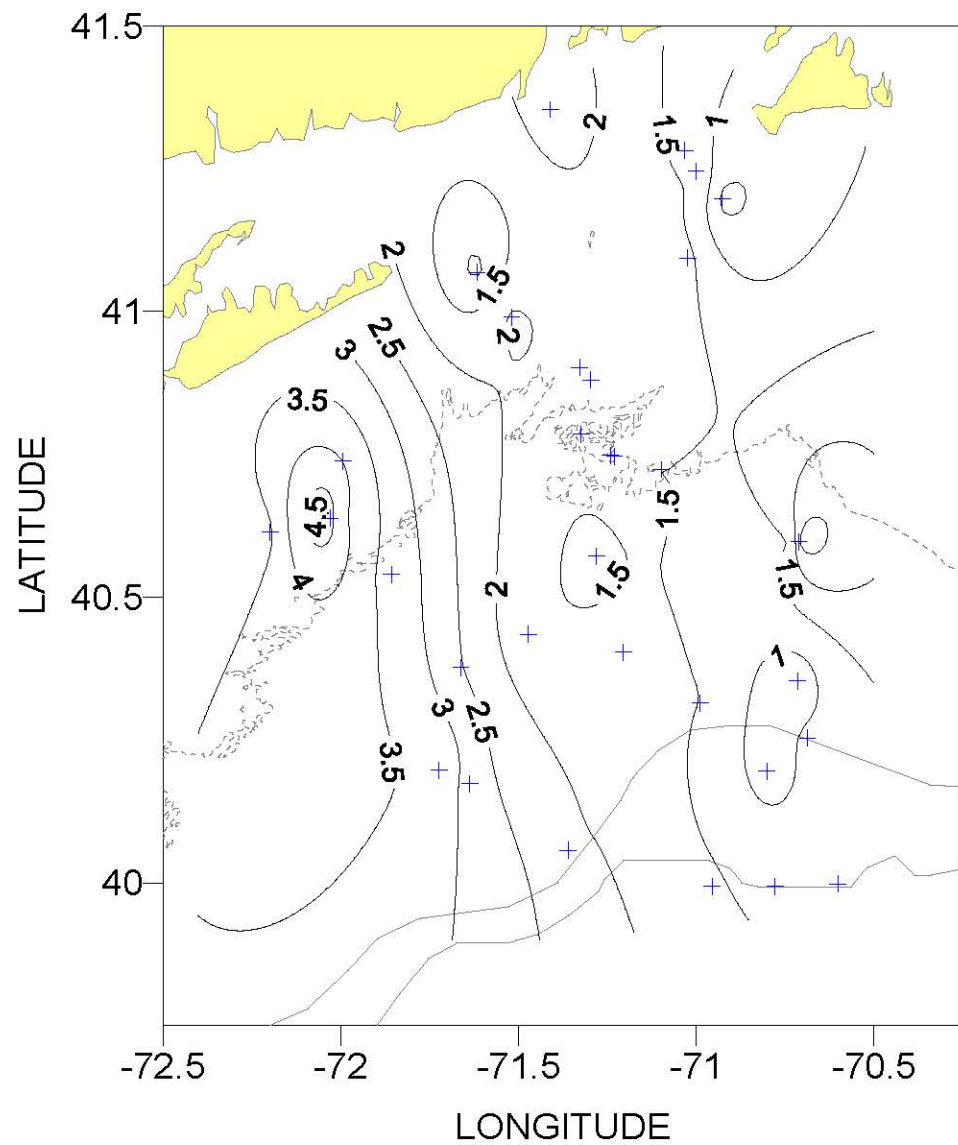


Surface Temperature (deg C)

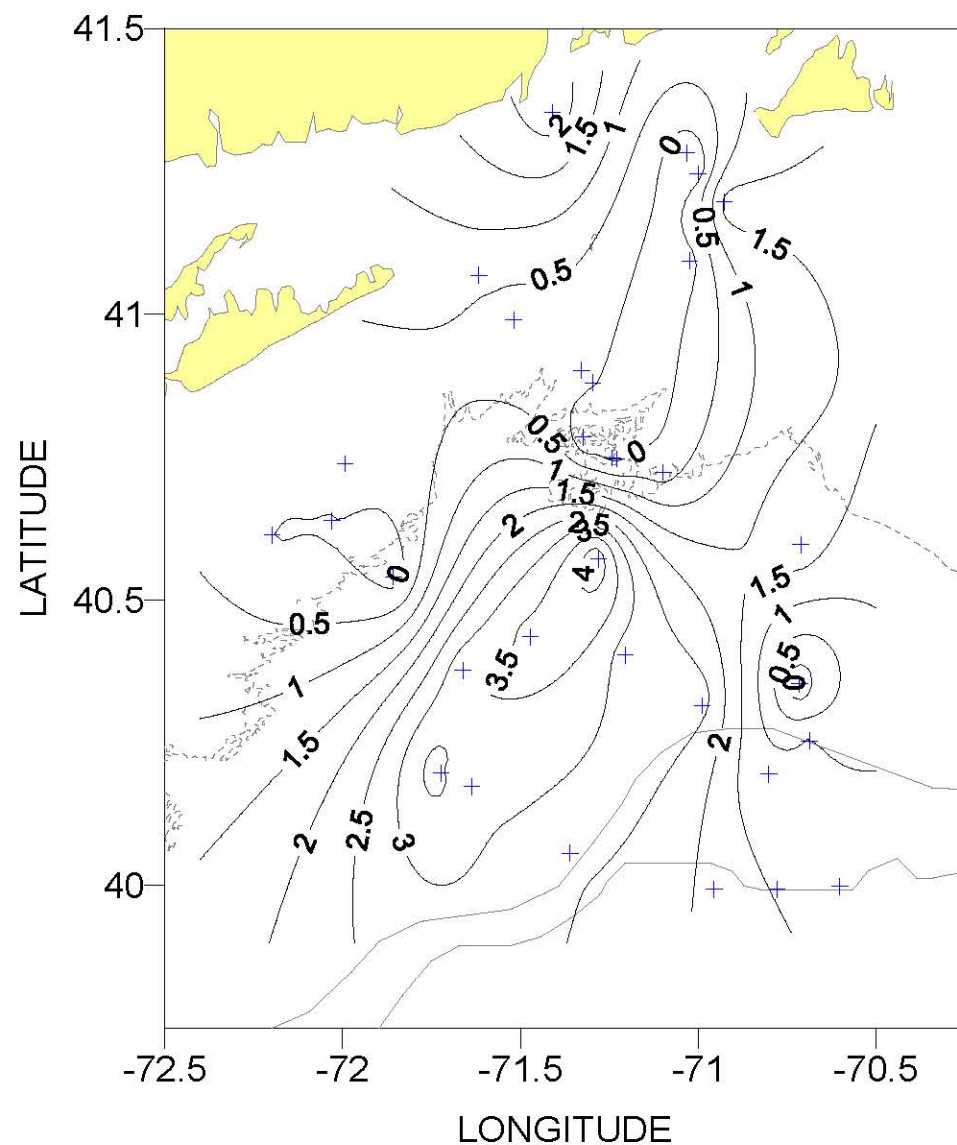


Bottom Temperature (deg C)

HB0804 Gear Test Cruise
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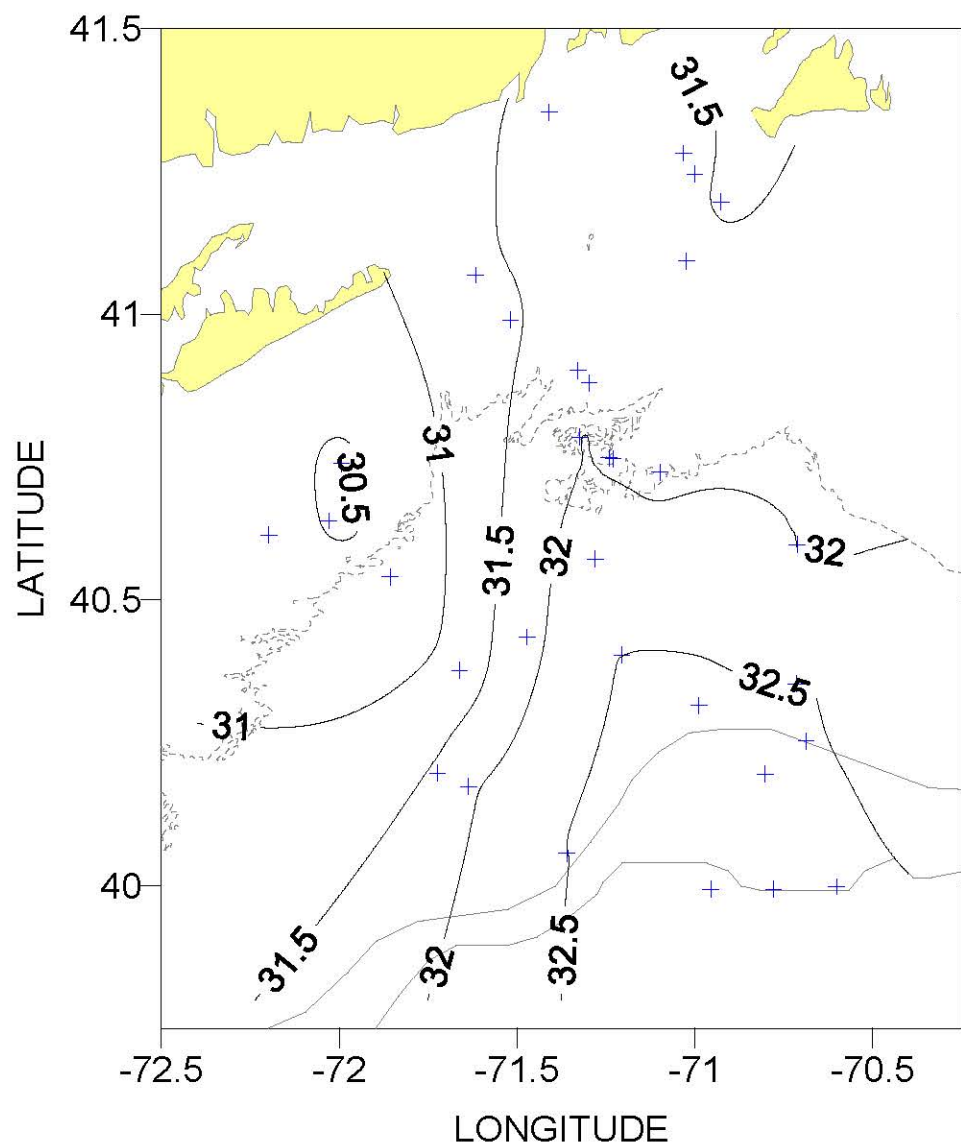


Surface Temperature Anomaly

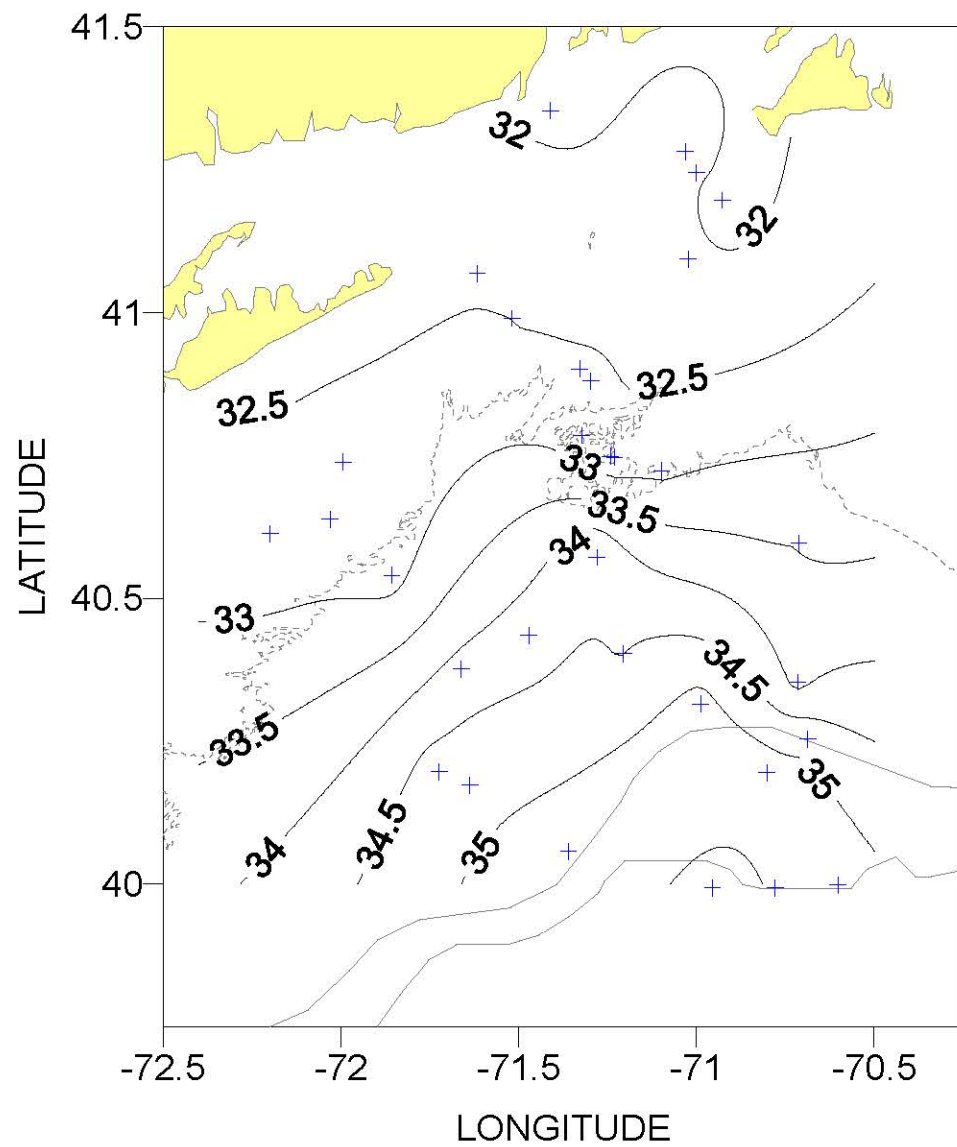


Bottom Temperature Anomaly

HB0804 Gear Test Cruise
9 - 13 June, 2008

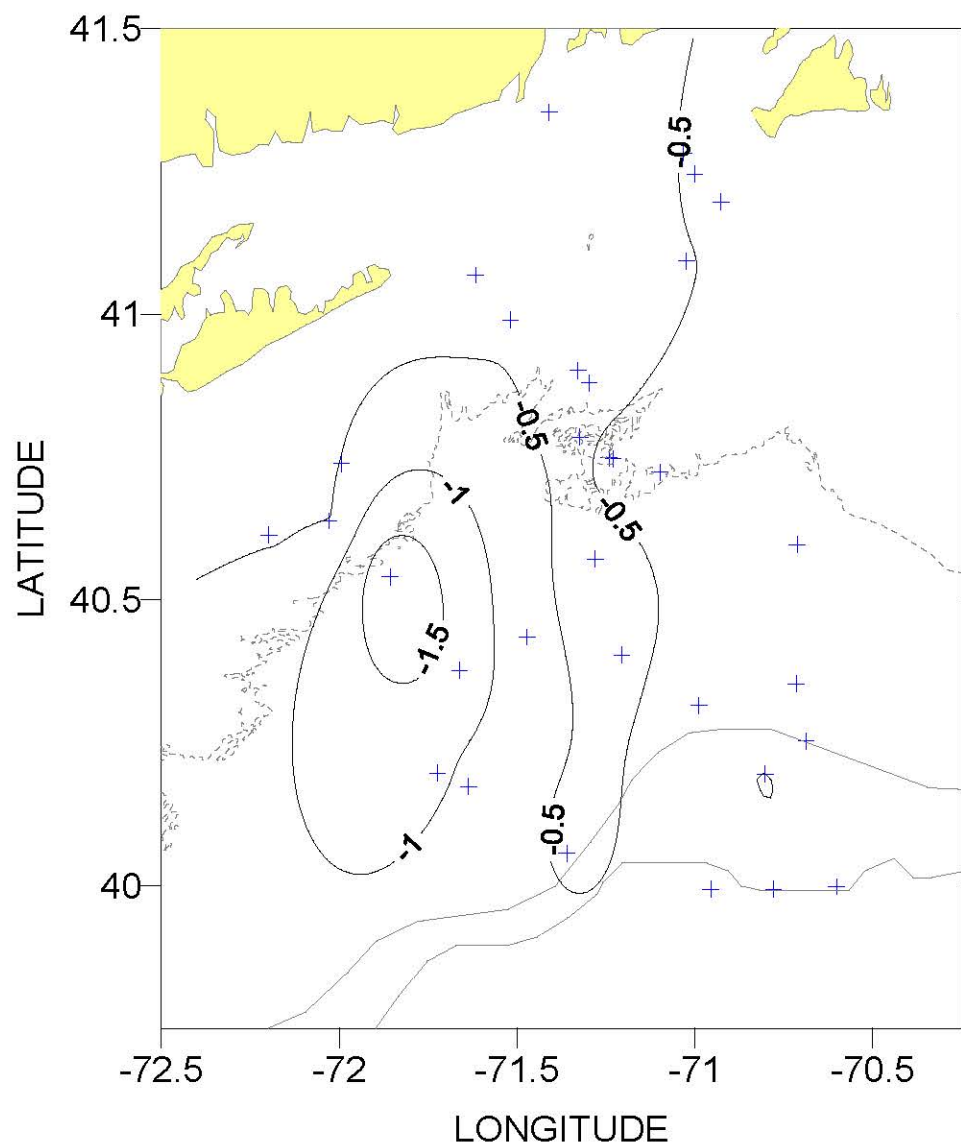


Surface Salinity (PSU)

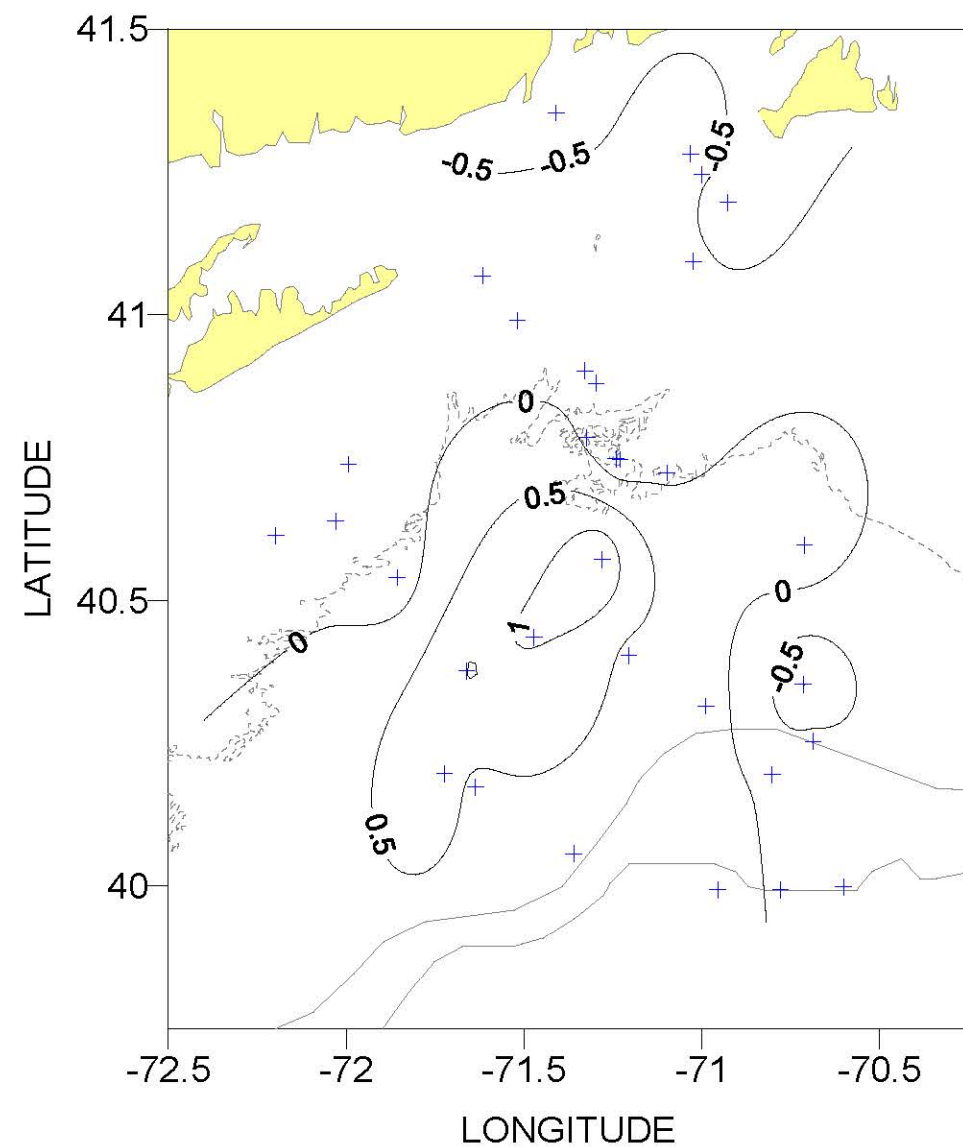


Bottom Salinity (PSU)

HB0804 Gear Test Cruise
9 - 13 June, 2008



Surface Salinity Anomaly



Bottom Salinity Anomaly

HB0804 Gear Test Cruise
9 - 13 June, 2008

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	4116.9	7101.9	9	6	2008	23:10	41	15.05	31.56	8.86	32.19	5
2	1	4117.0	7101.5	9	6	2008	23:40	41	15.06	31.57	8.80	32.23	3
3	2	4114.7	7100.0	10	6	2008	0:19	38	15.05	31.56	8.88	32.18	3
4	2	4113.9	7059.5	10	6	2008	0:41	36	15.13	31.55	9.64	31.99	5
5	3	4111.8	7055.6	10	6	2008	1:28	34	14.05	31.45	10.87	31.84	3
6	3	4111.2	7055.2	10	6	2008	1:46	32	13.99	31.45	11.07	31.80	3
7	4	4105.6	7101.4	10	6	2008	2:37	39	15.28	31.69	8.64	32.14	5
8	4	4105.3	7101.7	10	6	2008	2:50	38	15.31	31.69	8.59	32.14	4
9	5	4104.1	7137.0	10	6	2008	5:19	42	14.40	31.45	8.40	32.39	5
10	5	4103.8	7137.1	10	6	2008	5:46	42	14.56	31.41	8.27	32.43	3
11	6	4059.4	7131.1	10	6	2008	6:37	52	15.77	31.42	7.75	32.50	4
12	6	4059.0	7130.8	10	6	2008	6:58	52	15.76	31.45	7.76	32.49	3
13	7	4054.1	7119.7	10	6	2008	8:01	57	15.63	31.82	7.20	32.58	4
14	7	4053.8	7119.6	10	6	2008	8:21	56	15.51	31.85	7.19	32.59	3
15	8	4052.8	7117.8	10	6	2008	8:55	57	15.89	31.92	6.96	32.63	3
16	8	4052.7	7117.5	10	6	2008	9:21	57	15.80	31.97	6.95	32.63	3
17	9	4047.1	7119.4	10	6	2008	10:40	60	15.72	31.99	6.60	32.72	3
18	9	4047.0	7119.3	10	6	2008	11:00	60	15.76	32.00	6.59	32.72	1
19	10	4044.3	7159.6	10	6	2008	13:46	46	17.48	30.43	7.15	32.68	3
20	10	4044.3	7159.3	10	6	2008	14:06	47	17.71	30.43	7.14	32.68	5
21	11	4036.8	7211.9	10	6	2008	15:43	51	17.43	30.76	6.97	32.66	4
22	11	4036.6	7211.4	10	6	2008	16:01	51	17.72	30.77	6.79	32.70	3
23	12	4038.3	7201.8	10	6	2008	17:17	53	18.67	30.45	6.87	32.75	4
24	12	4038.3	7201.4	10	6	2008	17:37	53	17.75	30.45	6.89	32.74	5
25	13	4032.4	7151.4	10	6	2008	18:47	67	18.52	30.60	6.69	32.82	3
26	13	4032.2	7150.7	10	6	2008	19:15	69	18.63	30.60	6.64	32.85	3
27	14	4044.8	7113.8	10	6	2008	21:53	61	16.35	31.93	7.09	32.66	4
28	14	4044.8	7113.8	10	6	2008	22:16	61	16.30	31.92	7.11	32.67	2
29	14	4044.9	7114.5	10	6	2008	22:53	61	16.11	31.94	7.10	32.68	4
30	15	4043.4	7106.3	10	6	2008	23:40	61	16.21	31.87	7.57	32.92	4
31	15	4043.4	7105.9	10	6	2008	23:55	60	15.91	31.90	7.53	32.91	5
32	16	4035.8	7043.3	11	6	2008	1:40	68	14.57	32.08	8.89	33.47	4

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9 - 13 June, 2008

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
33	16	4035.8	7042.7	11	6	2008	1:57	68	15.81	31.87	8.80	33.43	4
34	17	4034.8	7117.3	11	6	2008	4:22	67	16.34	32.26	11.44	34.44	3
35	17	4034.3	7116.8	11	6	2008	4:46	68	16.34	32.29	11.42	34.44	3
36	18	4026.8	7129.2	11	6	2008	6:04	76	17.16	31.81	10.49	34.17	3
37	18	4026.1	7128.3	11	6	2008	6:22	76	17.08	31.83	10.47	34.16	3
38	19	4022.8	7139.6	11	6	2008	7:31	82	17.84	31.14	10.26	34.14	3
39	19	4022.6	7139.7	11	6	2008	7:58	82	17.83	31.14	10.20	34.13	5
40	20	4023.8	7113.3	11	6	2008	10:19	83	16.56	32.49	11.63	34.48	4
41	20	4024.2	7112.3	11	6	2008	11:04	83	16.33	32.67	10.29	33.39	55
42	21	4019.6	7059.4	11	6	2008	12:51	98	15.87	32.58	13.09	35.08	4
43	21	4018.9	7059.3	11	6	2008	13:21	101	15.87	32.58	13.04	35.10	4
44	22	4020.9	7042.8	11	6	2008	16:28	98	15.05	32.56	10.15	33.92	4
45	22	4021.2	7042.9	11	6	2008	17:02	98	15.06	32.56	10.08	33.89	4
46	23	4014.9	7041.5	11	6	2008	17:58	122	15.62	32.53	12.44	34.88	4
47	23	4015.2	7041.2	11	6	2008	18:36	122	15.34	32.52	12.39	34.87	6
48	24	4011.3	7049.2	11	6	2008	19:36	133	15.47	32.50	12.82	35.30	6
49	24	4011.7	7048.1	11	6	2008	20:23	131	15.35	32.50	12.95	35.19	5
50	25	4012.2	7142.7	12	6	2008	0:00	82	18.49	31.58	11.71	34.62	4
51	25	4011.8	7143.4	12	6	2008	0:24	82	18.51	31.57	12.11	34.76	4
52	26	4011.4	7138.2	12	6	2008	1:10	86	17.94	31.93	12.42	34.82	4
53	26	4010.4	7138.2	12	6	2008	1:38	86	17.90	31.92	12.48	34.81	4
54	27	4003.9	7121.0	12	6	2008	3:09	109	17.25	32.53	12.98	35.19	4
55	27	4003.4	7121.6	12	6	2008	3:34	108	17.39	32.47	12.92	35.22	2
56	28	3959.3	7057.4	12	6	2008	5:28	328	16.78	32.84	11.01	35.33	127
57	28	3959.6	7057.3	12	6	2008	6:16	310	16.71	32.84	11.05	35.36	103
58	29	3959.2	7045.0	12	6	2008	7:45	314	17.03	32.90	11.34	35.40	111
59	29	3959.6	7046.7	12	6	2008	8:30	302	16.70	32.77	10.61	35.33	99
60	30	4002.2	7034.4	12	6	2008	10:08	256	15.10	32.55	10.71	35.34	53
61	30	3959.9	7036.1	12	6	2008	11:11	260	15.44	32.57	10.40	35.30	53
62	44	4121.5	7124.2	13	6	2008	9:58	34	17.67	31.54	12.25	31.86	6
64	44	4121.2	7124.6	13	6	2008	10:21	33	17.60	31.62	12.21	31.92	7