

Oceanography Branch CTD Data Report
CTD_REPORT_2014005HB

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DATE: January 23, 2015

Oceanography Branch CTD Data Report

CTD_REPORT_2014005HB

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

HB 14-05
Fall Bottom Trawl Survey
Data Coverage: September 10 – November 13, 2014
Mid Atlantic Bight, Georges Bank, Gulf of Maine

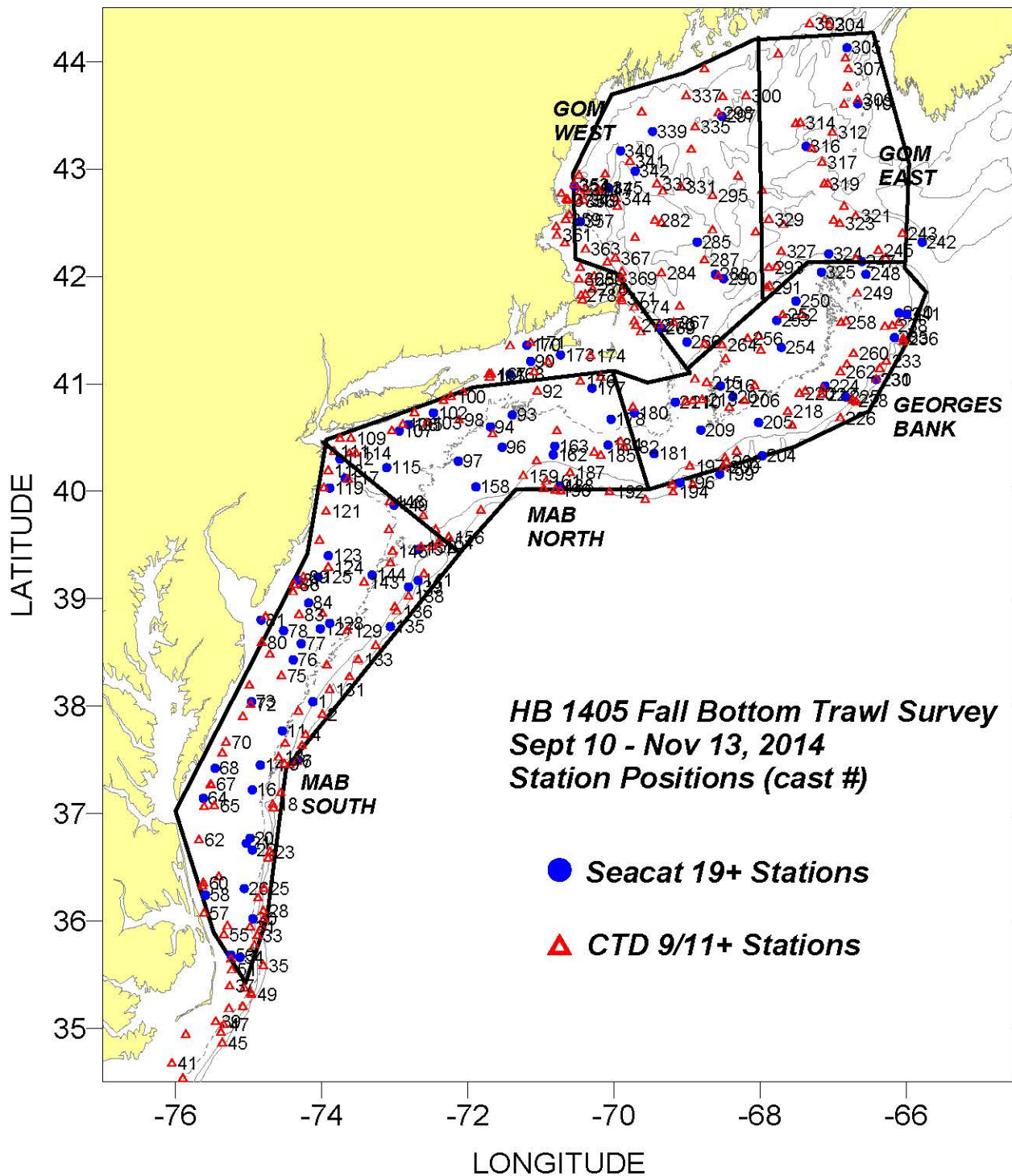
This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's HB1405 Fall Bottom Trawl Survey aboard the NOAA FSV *Henry B Bigelow*. Data was obtained with two Seabird Electronics SBE Model 19+ profiling CTD (s/n's 4758 & 7143) during bongo double oblique tows and with a SBE Model 9/11+ s/n 0832 at all other stations. Sea water samples were taken for the purpose of correcting salinity values. A SBE43 Dissolved Oxygen sensor was attached to the SBE 9/11+. This is the first Bottom Trawl Survey to regularly deploy the higher resolution SBE 9/11+ and accommodate a Biospherical Instruments Inc. QSP2300 PAR (Photosynthetically Active Radiation) Sensor. A QSR2200 Surface PAR sensor was attached to a boom which could be lowered during the 9/11+ casts. The PAR data obtained during the vertical profiling casts is included in the archived CTD data; the surface PAR data will be made available on request. 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/hb1405.dat>

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

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

choose: **2014 Cruises**
 SEP_TRAWL_HB1405
 CTD_REPORT_2014005HB.pdf

Revised: January 23, 2015



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
HB1405 Fall Bottom Trawl Survey
Sept 10 - Nov 13, 2014**

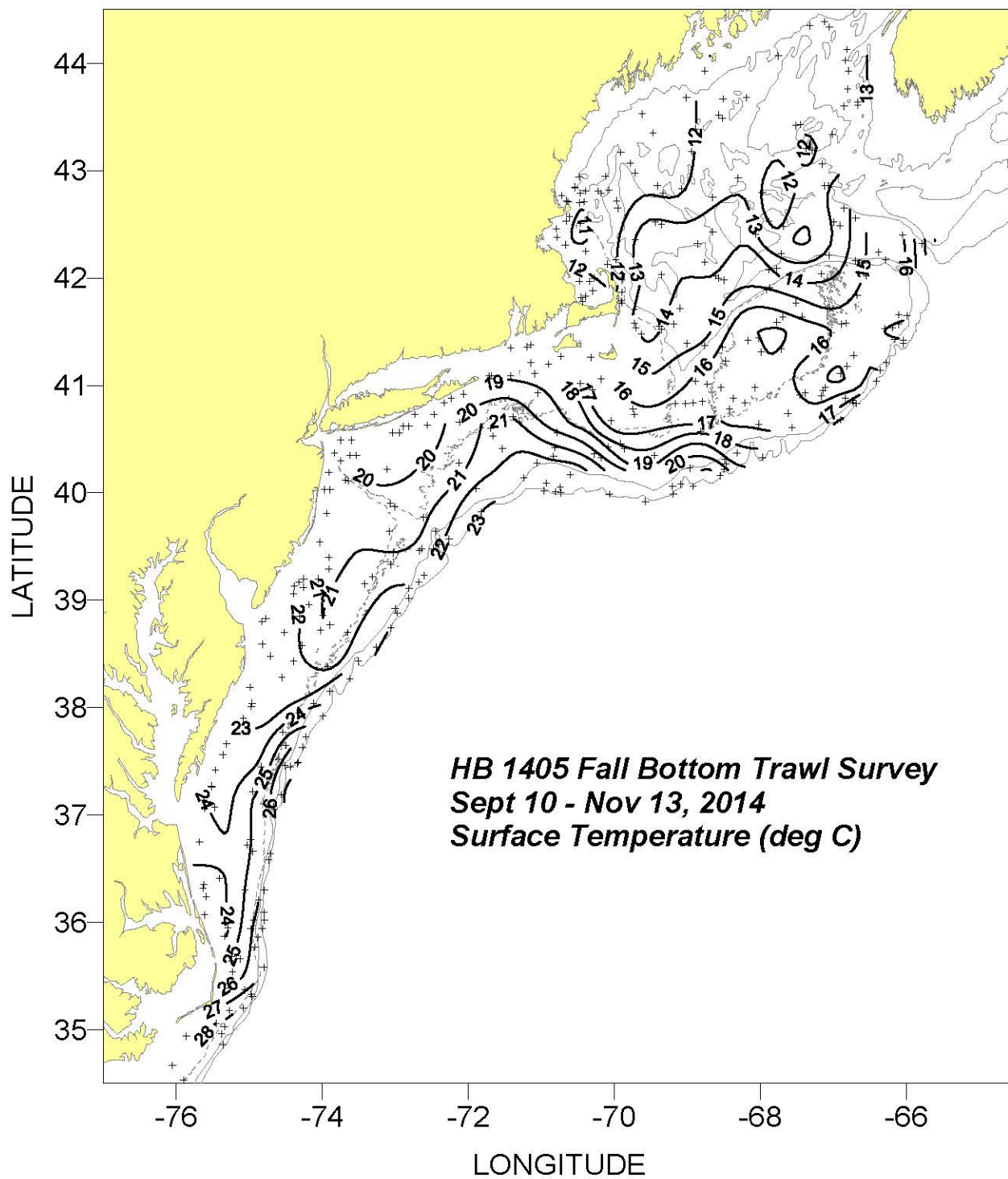
		SURFACE						BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
hb1405 hb1405 hb1405 hb1405 hb1405 hb1405 hb1405 hb1405 hb1405 hb1405		Western Gulf of Maine												
	307	52	12.64	1.82	0.15	0.45	0	52	8.38	1.31	0.13	1.26	0	10
	307	52	32.81	0.15	0.07	0.35	0	52	33.68	0.11	0.04	0.27	0	10
		Eastern Gulf of Maine												
	306	34	13.03	1.65	0.15	0.79	0	34	9.77	1.34	0.20	1.25	0	10
	306	34	33.13	0.44	0.08	0.41	0	34	34.73	0.32	0.05	0.42	0	10
		Georges Bank												
	288	61	16.45	1.53	0.19	1.32	0	61	14.10	1.85	0.18	1.18	0	10
	288	61	33.09	0.29	0.06	0.54	0	61	33.54	0.18	0.06	0.28	0	10
		MAB North												
	273	45	20.12	2.25	0.26	1.46	0	46	15.17	2.20	0.28	1.46	0	10
	273	45	33.91	1.22	0.12	0.81	0	46	33.91	0.33	0.09	0.52	0	10
		MAB South												
	263	105	22.86	1.36	0.18	1.12	0	104	16.75	2.83	0.22	2.40	0	10
263	105	33.16	0.82	0.10	1.13	0	104	33.52	-0.20	0.08	0.68	0	10	

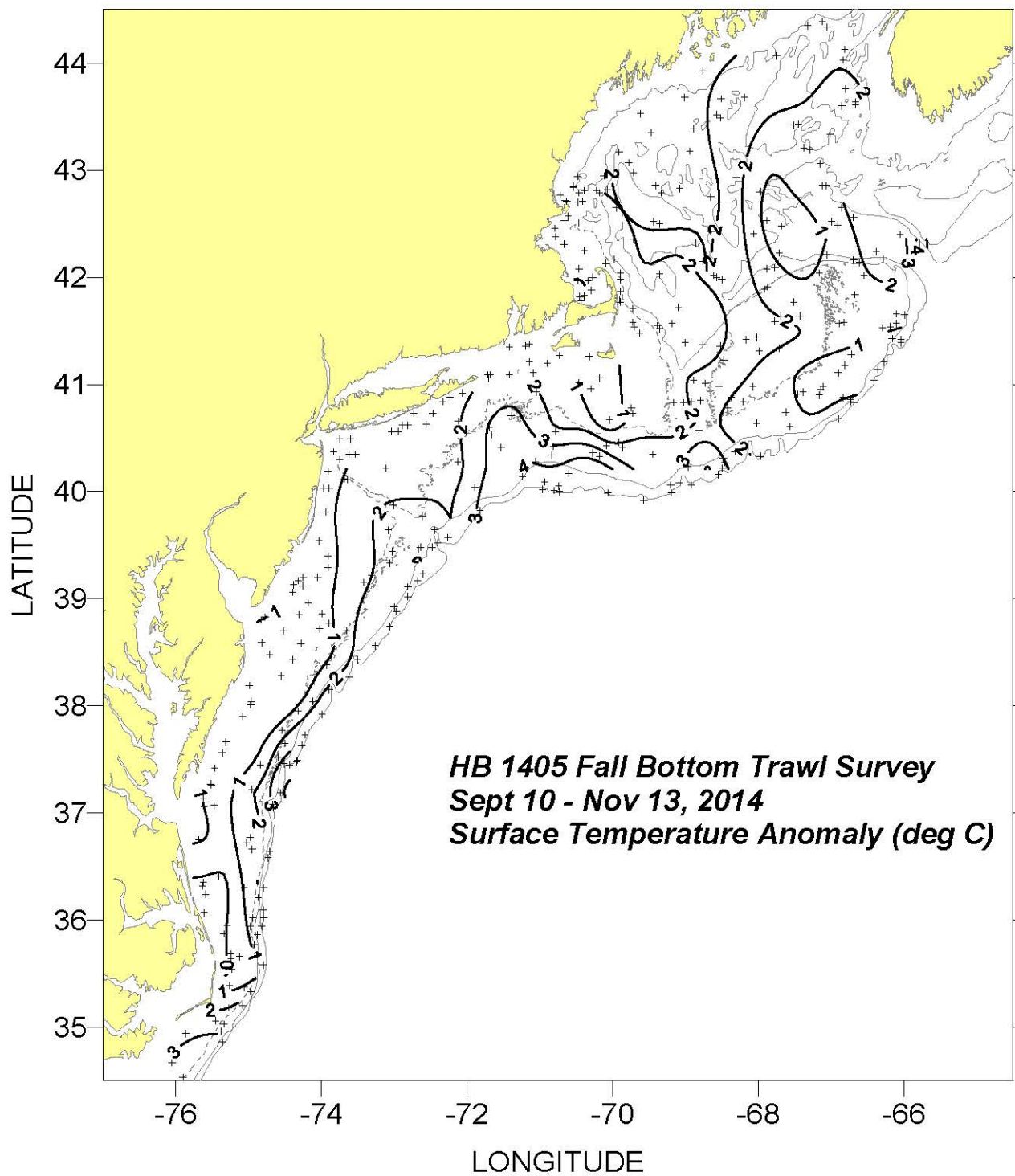
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

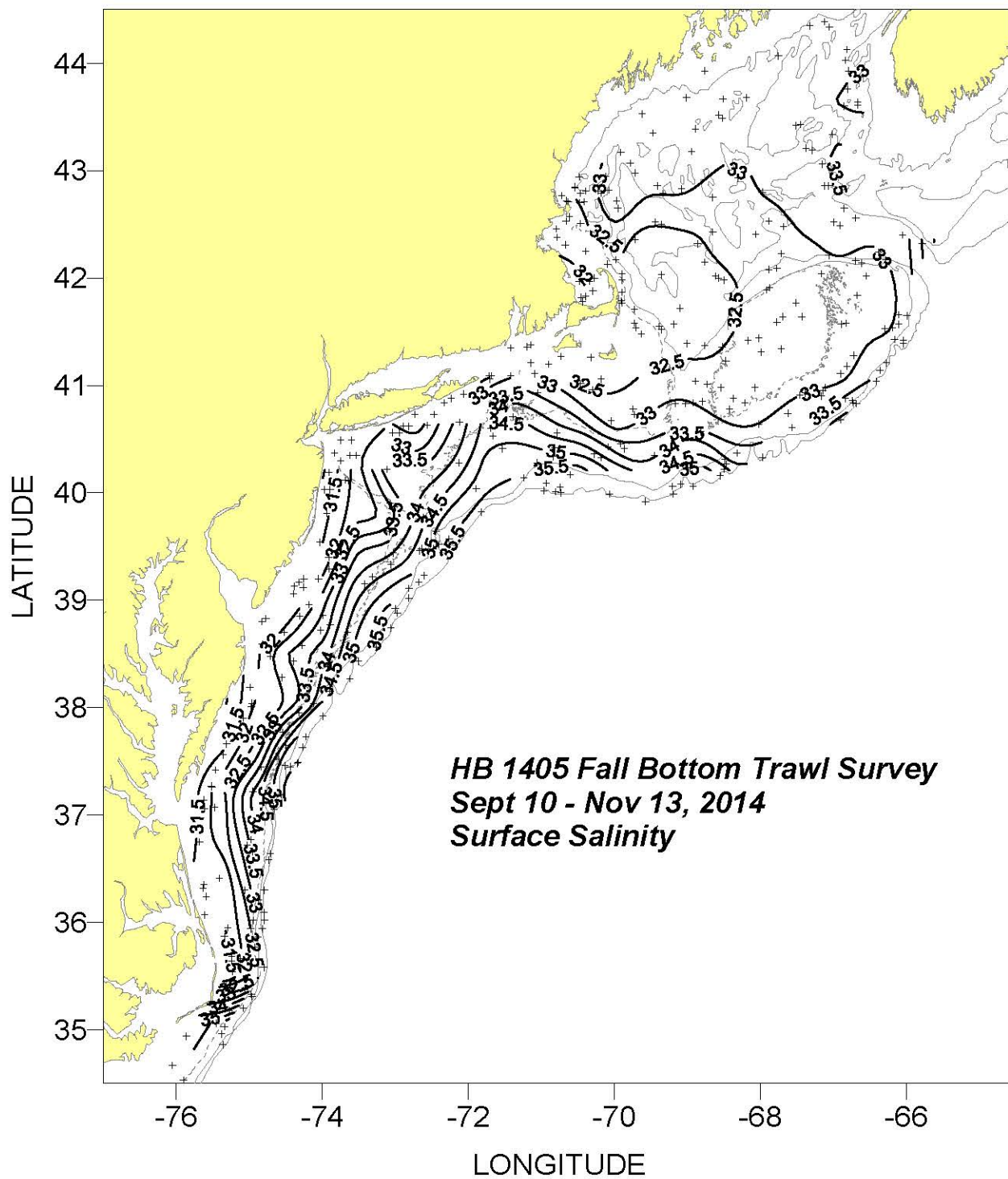
"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

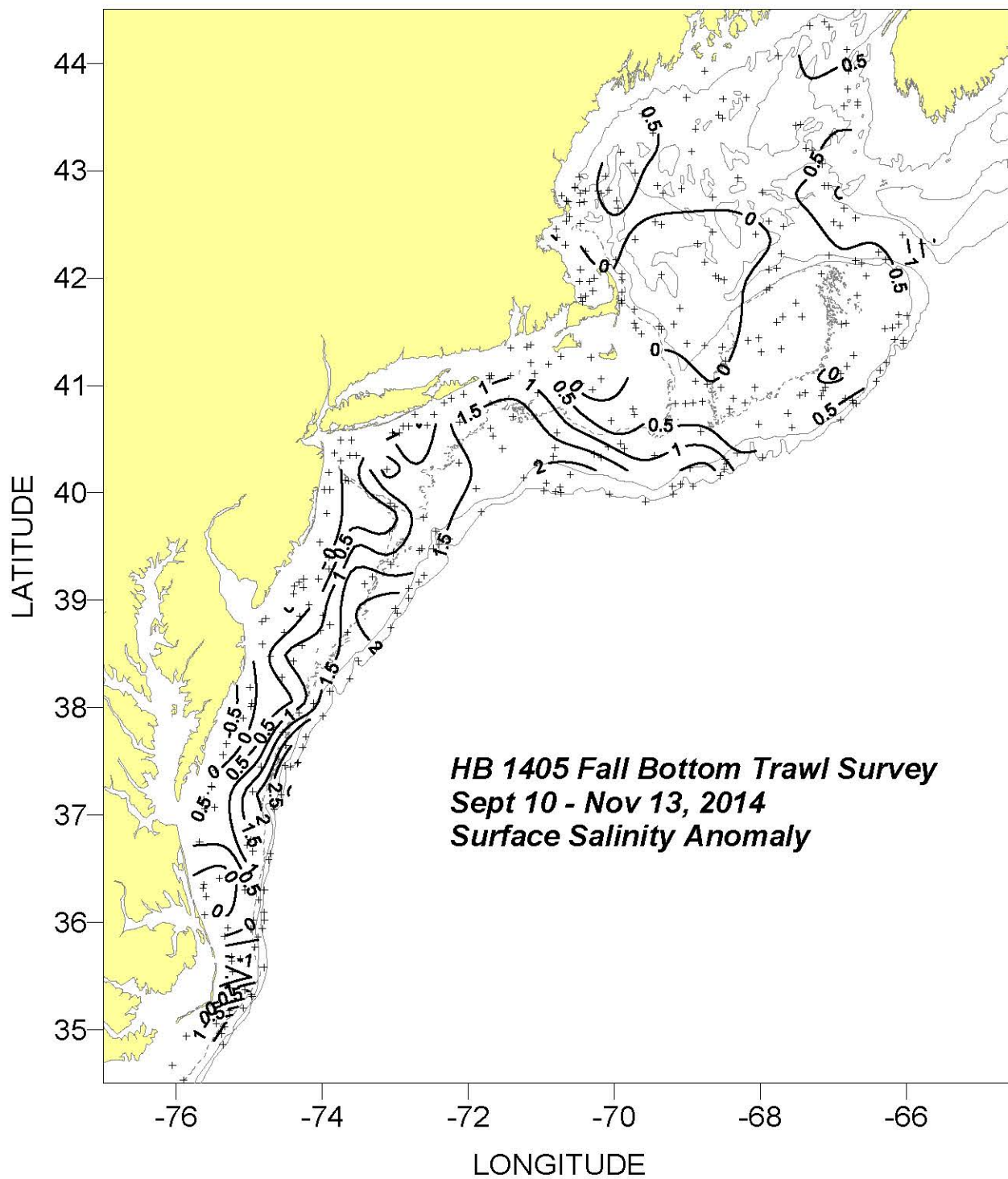
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal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

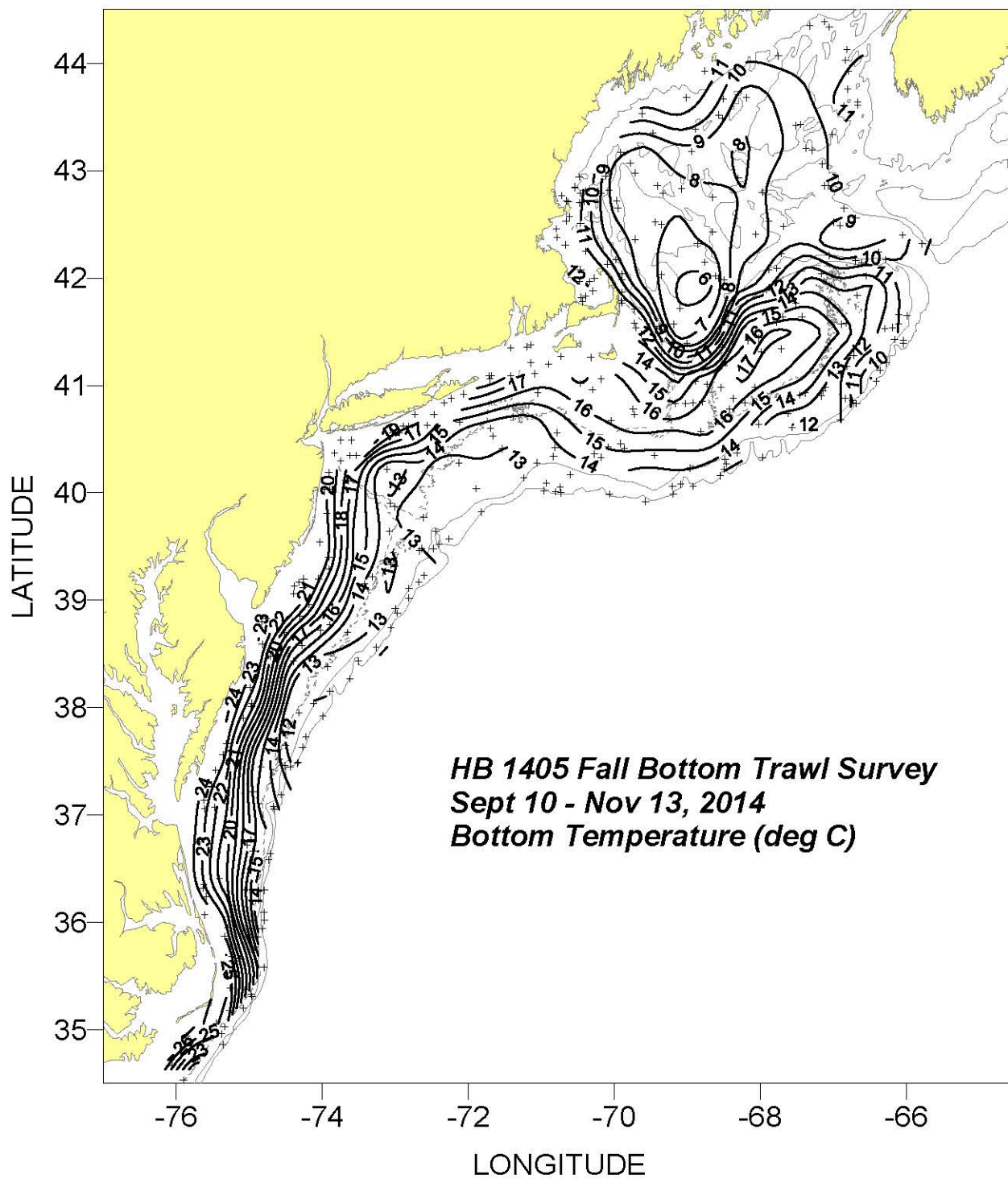
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

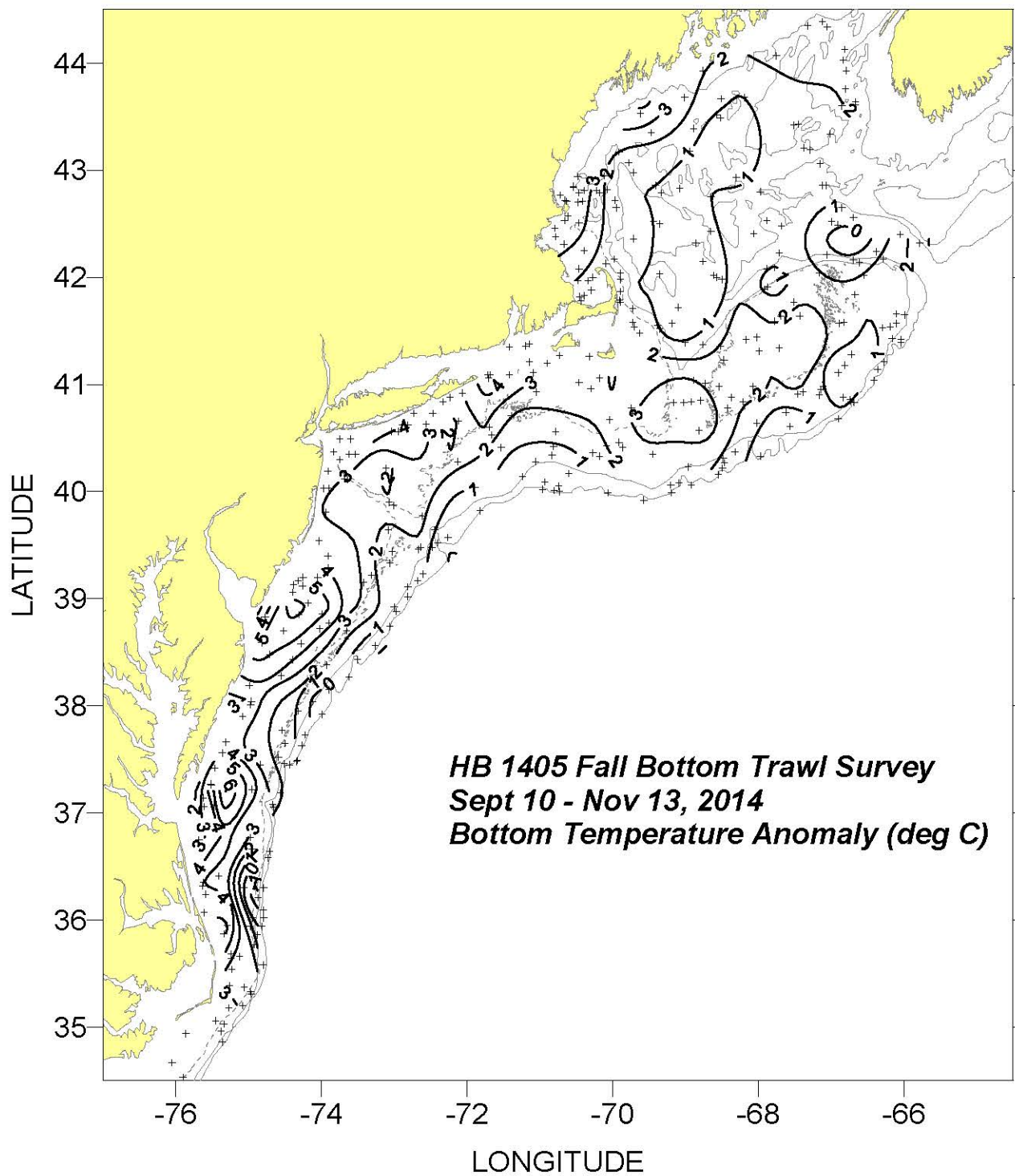


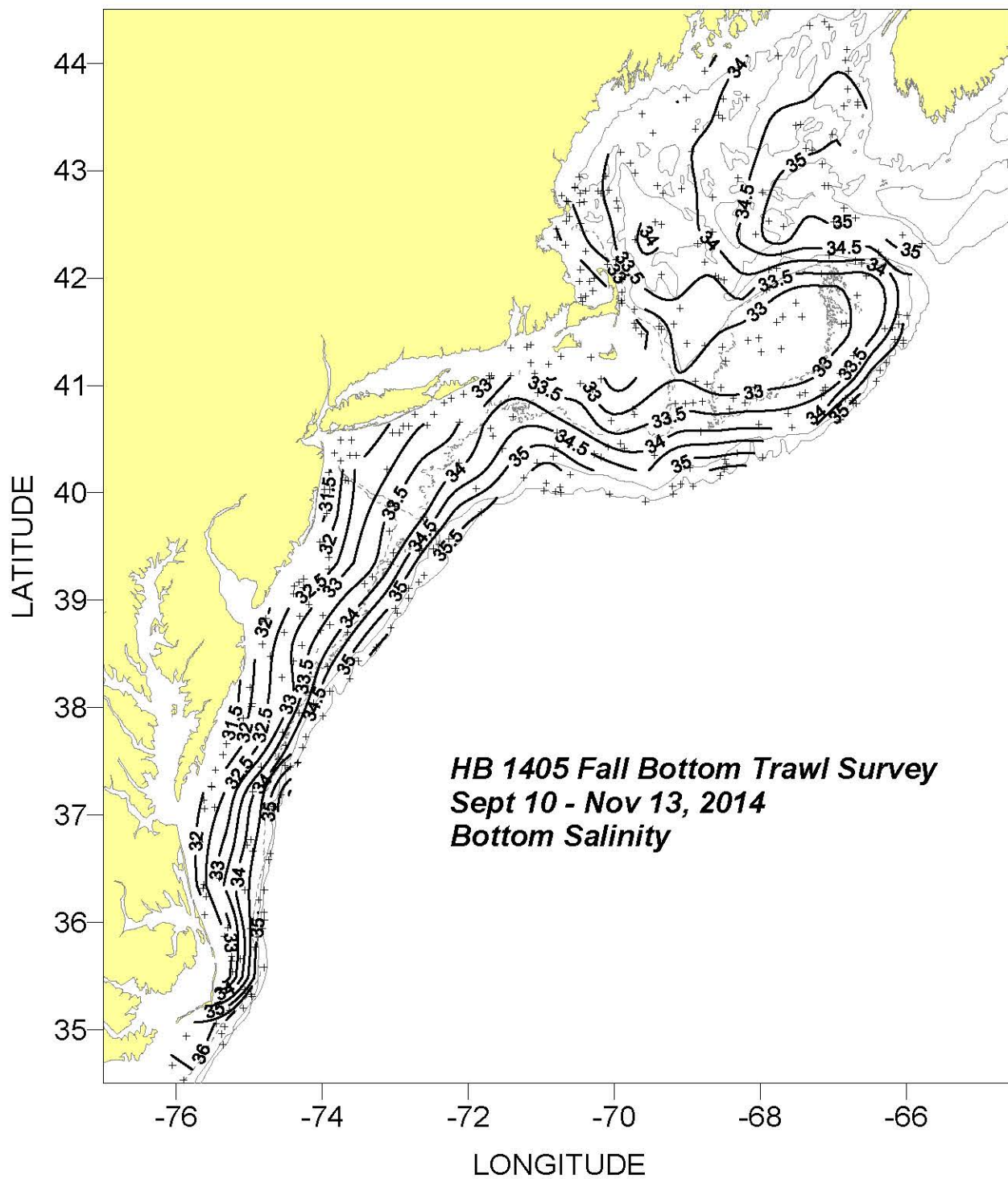


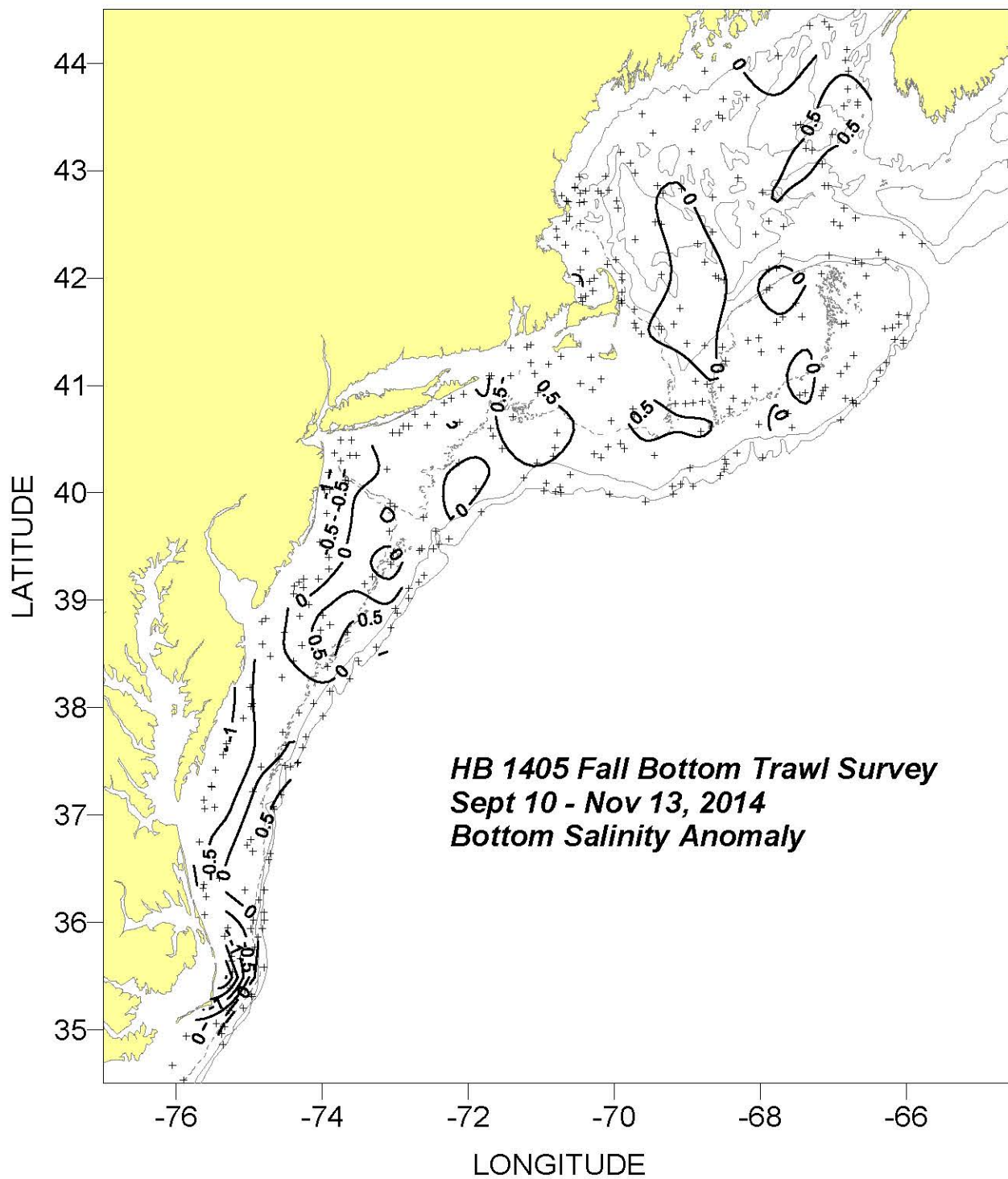












HB1405 Fall Bottom Trawl Survey
Sept 10 - Nov 13, 2014

Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
1	5938	3802.4	7407.3	10	9	2014	11:38	87	23.64	32.95	10.16	33.82	6	B
2	6096	3755.3	7359.7	10	9	2014	14:13	189	25.74	35.07	12.02	35.52	1	V
3	5967	3757.0	7419.3	10	9	2014	17:24	65	23.43	32.63	9.98	33.20	6	W
4	6060	3743.6	7413.5	10	9	2014	19:59	132	25.64	35.10	12.82	34.90	9	V
5	5982	3737.6	7416.2	10	9	2014	22:02	145	26.58	35.33	14.25	35.47	4	V
6	6028	3729.2	7419.8	11	9	2014	2:56	408	26.92	35.76	14.82	36.00	206	B
7	6028	3728.9	7420.4	11	9	2014	3:35	366	26.92	35.78	9.93	35.27	1	V
8	6129	3727.2	7426.3	11	9	2014	8:28	105	27.16	35.73	14.74	35.72	3	V
9	6112	3727.5	7430.7	11	9	2014	9:03	104	26.47	35.41	14.20	35.45	2	V
10	5956	3738.8	7430.2	11	9	2014	11:36	69	25.65	35.06	10.58	33.51	6	V
11	5962	3746.0	7432.2	11	9	2014	13:20	58	23.45	33.17	10.81	33.04	20	B
13	5961	3731.2	7435.4	11	9	2014	16:39	67	25.38	34.93	10.51	33.61	3	W
14	5928	3726.8	7450.2	11	9	2014	18:47	47	24.10	33.32	13.62	33.32	3	B
16	6146	3712.9	7457.3	11	9	2014	23:09	43	24.80	34.07	16.37	33.88	5	B
17	6012	3711.2	7433.6	12	9	2014	2:00	129	27.35	35.56	13.48	35.69	5	V
18	6062	3704.5	7440.4	12	9	2014	4:34	378	26.22	35.31	10.33	35.34	8	W
19	6149	3703.2	7439.8	12	9	2014	6:37	153	25.96	35.21	12.92	35.61	2	V
20	6126	3646.0	7458.8	12	9	2014	9:44	32	25.08	33.67	17.23	34.17	5	B
21	5912	3643.0	7501.7	12	9	2014	11:32	32	24.91	33.24	16.51	33.53	6	B
22	5905	3639.6	7457.2	12	9	2014	13:16	33	25.12	33.37	15.57	33.72	6	B
23	5895	3638.5	7442.5	12	9	2014	15:36	169	25.52	34.17	13.48	35.70	1	V
24	7171	3634.5	7443.6	12	9	2014	17:35	164	25.37	33.87	13.94	35.75	1	V
25	5822	3618.0	7447.2	12	9	2014	20:37	152	26.11	34.17	14.21	35.74	3	V
26	6133	3617.9	7503.9	12	9	2014	23:56	40	24.62	31.63	12.14	33.79	4	B
27	6100	3612.6	7452.0	13	9	2014	2:21	83	26.03	33.43	13.09	34.31	7	V
28	6075	3605.3	7447.9	13	9	2014	4:34	152	25.40	32.28	14.88	35.85	2	W
29	6055	3601.1	7447.5	13	9	2014	6:47	218	24.86	32.12	12.26	35.55	3	V
30	5879	3601.1	7456.2	13	9	2014	9:04	69	24.69	32.01	14.17	34.57	3	B

HB1405 Fall Bottom Trawl Survey
Sept 10 - Nov 13, 2014

Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
31	5927	3556.3	7459.0	13	9	2014	10:57	53	24.86	31.50	15.91	33.82	5	V
32	6010	3556.4	7449.0	13	9	2014	14:06	199	26.73	33.28	13.63	35.70	4	V
33	6032	3551.3	7452.5	13	9	2014	16:11	102	27.17	32.92	13.76	35.04	6	V
34	5907	3546.4	7455.5	13	9	2014	17:50	67	26.41	32.51	15.61	34.91	6	V
35	6069	3534.7	7448.0	13	9	2014	20:52	123	25.95	31.29	14.05	35.16	6	V
36	6140	3522.3	7503.3	14	9	2014	0:24	35	27.41	31.25	26.88	35.66	5	V
37	5994	3523.3	7515.8	14	9	2014	2:19	28	26.16	30.82	26.99	34.53	4	V
38	5885	3511.1	7516.2	14	9	2014	4:16	26	28.21	35.80	27.94	36.04	2	V
39	5924	3503.5	7526.8	14	9	2014	6:51	30	28.49	35.81	27.51	35.69	2	W
40	5966	3456.2	7551.5	14	9	2014	9:45	24	27.41	35.76	27.19	36.09	4	V
41	5877	3440.5	7603.0	14	9	2014	12:39	36	27.65	35.52	25.30	36.30	3	V
42	6005	3432.1	7554.0	14	9	2014	14:43	59	27.81	35.42	25.49	36.24	4	V
43	5950	3423.4	7550.1	14	9	2014	16:52	225	29.76	35.77	16.59	36.19	4	V
44	6119	3427.5	7544.1	14	9	2014	19:55	308	29.76	35.81	13.93	35.82	3	V
45	5908	3451.8	7521.8	15	9	2014	1:24	338	29.57	35.92	11.11	35.41	1	W
46	5995	3457.6	7522.7	15	9	2014	4:22	92	28.03	35.24	22.76	36.39	1	V
47	5782	3501.9	7520.5	15	9	2014	6:25	65	28.16	35.65	25.26	36.28	3	V
48	6030	3512.1	7504.6	15	9	2014	10:30	138	29.36	35.84	20.81	36.38	4	V
49	6063	3518.8	7457.9	15	9	2014	12:44	149	28.99	35.74	18.26	36.25	1	V
50	5856	3519.6	7458.2	15	9	2014	14:18	108	28.73	35.62	22.78	36.31	4	V
51	5779	3532.7	7513.8	15	9	2014	17:22	33	24.57	31.35	24.49	31.52	5	V
52	6088	3538.6	7514.5	15	9	2014	18:50	34	24.57	31.10	24.50	31.28	4	V
53	5814	3540.6	7514.5	15	9	2014	19:58	35	24.69	30.97	24.45	31.13	4	B
54	5774	3539.6	7507.1	15	9	2014	21:41	36	24.36	30.98	23.14	32.37	2	B
55	5815	3551.9	7520.4	16	9	2014	0:57	30	24.34	30.10	23.45	32.48	3	V
56	6142	3557.1	7517.2	16	9	2014	2:20	28	23.46	32.69	23.49	32.76	3	W
57	6128	3604.2	7536.5	16	9	2014	5:47	25	24.16	30.06	23.71	32.12	5	V

HB1405 Fall Bottom Trawl Survey
Sept 10 - Nov 13, 2014

Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
58	5792	3614.5	7535.6	16	9	2014	8:32	27	23.73	31.92	23.57	32.09	7	B
59	6034	3619.0	7537.5	16	9	2014	10:01	24	23.54	31.95	23.61	32.04	6	V
60	6056	3620.9	7537.4	16	9	2014	11:33	22	23.72	31.82	23.68	31.85	5	V
61	5840	3624.9	7524.3	16	9	2014	13:43	31	23.97	31.61	23.03	33.88	5	V
62	5909	3645.1	7541.0	16	9	2014	16:51	23	24.17	31.51	23.60	32.05	5	V
63	6006	3703.8	7536.8	16	9	2014	19:55	21	24.34	31.61	23.38	32.28	5	V
64	7021	3708.2	7537.3	16	9	2014	21:47	19	24.17	31.59	23.61	32.11	5	B
65	6147	3704.0	7528.0	16	9	2014	23:39	29	23.02	32.21	22.95	32.42	3	V
66	5999	3715.4	7530.3	17	9	2014	1:56	23	23.76	31.97	23.50	32.00	4	W
67	6071	3716.4	7530.9	17	9	2014	3:06	19	23.74	31.90	23.58	31.99	3	V
68	5929	3725.0	7527.4	17	9	2014	5:21	24	23.63	31.70	23.61	31.76	6	B
69	5869	3733.6	7521.4	17	9	2014	7:19	24	23.36	31.61	23.36	31.62	4	V
70	5812	3739.5	7518.9	17	9	2014	9:20	22	23.21	31.46	23.22	31.48	4	V
71	5898	3754.1	7505.0	17	9	2014	11:54	24	22.57	31.19	22.58	31.20	5	V
72	6120	3800.3	7458.2	17	9	2014	13:26	23	22.35	31.70	22.48	32.28	2	V
73	5824	3802.7	7457.7	17	9	2014	14:26	25	22.31	32.14	22.36	32.29	4	B
74	5817	3811.4	7459.4	17	9	2014	16:10	22	22.34	31.36	22.30	31.45	4	V
75	6036	3817.1	7432.8	17	9	2014	19:12	44	22.27	32.94	16.29	32.95	5	V
76	5806	3825.7	7423.4	17	9	2014	21:35	49	22.60	33.43	13.89	33.13	2	B
77	6121	3834.9	7417.0	17	9	2014	23:23	48	22.13	33.54	13.40	33.52	3	B
78	6113	3842.1	7431.1	18	9	2014	1:23	32	22.14	31.78	20.94	32.25	1	B
79	6068	3828.7	7442.8	18	9	2014	4:18	35	22.61	32.09	22.57	32.39	5	V
80	5786	3835.1	7449.1	18	9	2014	5:53	29	22.54	32.22	22.60	32.39	4	W
81	6123	3847.9	7449.9	18	9	2014	8:43	18	22.46	31.88	22.56	31.94	3	B
82	6109	3849.8	7445.9	18	9	2014	10:13	20	22.46	31.98	22.48	31.98	4	V
83	5820	3851.0	7418.8	18	9	2014	13:35	36	21.91	31.90	21.13	33.39	5	V
84	6058	3857.3	7410.9	18	9	2014	15:10	33	22.11	32.72	16.20	32.38	2	B
85	5818	3903.7	7423.1	18	9	2014	18:01	29	22.72	31.53	21.87	32.17	4	V

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
86	6145	3908.1	7422.5	18	9	2014	19:37	25	22.97	31.53	22.26	31.66	4	V
87	6008	3910.0	7419.2	18	9	2014	20:40	28	22.91	31.48	22.13	31.99	3	B
88	6101	3907.2	7415.5	18	9	2014	22:44	27	22.28	31.85	22.24	32.42	5	V
89	5951	3912.0	7414.8	19	9	2014	0:11	23	22.32	31.66	22.14	31.92	3	W
90	6065	4112.7	7108.7	23	9	2014	23:16	35	18.77	32.57	16.86	33.26	7	B
91	6973	4106.5	7105.6	24	9	2014	1:00	37	19.05	32.96	15.95	33.25	3	V
92	5959	4055.8	7102.7	24	9	2014	2:55	51	19.65	33.79	14.26	33.62	5	W
93	5926	4042.5	7123.4	24	9	2014	6:22	60	21.15	34.60	13.43	34.23	2	B
94	5865	4036.1	7141.3	24	9	2014	8:51	72	21.47	35.02	12.99	34.21	6	B
95	5805	4032.1	7139.7	24	9	2014	10:55	75	21.58	35.05	12.82	34.29	3	V
96	5973	4024.4	7131.8	24	9	2014	13:58	80	20.82	34.59	12.89	34.39	1	B
97	5878	4016.6	7207.6	24	9	2014	18:25	64	20.38	34.04	12.04	33.75	4	B
98	5916	4039.9	7207.1	24	9	2014	21:48	50	20.53	33.99	13.85	33.38	1	V
99	5835	4055.5	7203.5	25	9	2014	0:27	30	19.57	32.80	20.30	33.90	6	W
100	5834	4052.8	7213.7	25	9	2014	2:17	27	19.09	32.31	19.63	33.47	5	V
101	5917	4050.7	7219.5	25	9	2014	3:44	25	19.25	32.33	18.77	32.82	4	V
102	5986	4043.6	7228.3	25	9	2014	5:53	33	19.33	32.14	17.94	33.35	5	B
103	5866	4037.9	7233.4	25	9	2014	7:52	36	19.40	32.46	15.44	33.19	2	V
104	6046	4043.7	7243.9	25	9	2014	10:16	25	19.61	32.13	19.60	32.16	4	V
105	5813	4037.2	7248.6	25	9	2014	12:06	34	19.66	32.18	20.31	33.27	6	B
106	5923	4037.4	7253.2	25	9	2014	13:46	31	19.64	32.36	19.75	32.55	5	V
107	6014	4033.7	7256.3	25	9	2014	15:21	30	19.65	32.69	18.62	33.32	3	B
108	5970	4033.5	7302.5	25	9	2014	17:30	27	19.75	32.92	19.76	32.92	4	W
109	5988	4029.2	7335.8	25	9	2014	21:44	21	20.25	31.32	20.22	31.33	5	V
110	6106	4029.3	7345.1	25	9	2014	23:36	27	19.72	31.40	19.65	31.42	5	V
111	5801	4022.3	7349.7	26	9	2014	1:31	29	20.13	31.21	19.97	31.68	5	V
112	5838	4017.8	7345.1	26	9	2014	5:10	31	20.15	31.63	20.14	31.64	3	B
113	5997	4021.2	7337.2	26	9	2014	6:57	24	19.64	31.91	19.44	31.95	3	V

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#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
114	5784	4021.2	7331.7	26	9	2014	8:07	27	19.73	32.12	19.58	32.18	4	V
115	6040	4013.2	7306.7	26	9	2014	11:41	44	19.80	33.80	12.75	32.91	2	B
116	6021	4006.6	7338.4	26	9	2014	15:20	44	20.28	31.86	15.37	32.68	5	V
117	5797	4006.9	7340.6	26	9	2014	16:57	38	20.38	31.83	17.07	32.41	5	B
118	6965	4011.3	7354.4	26	9	2014	19:47	20	20.15	31.02	19.95	31.33	5	W
119	5810	4001.7	7353.4	26	9	2014	22:06	25	20.47	31.15	20.20	31.64	7	B
120	5793	4001.6	7358.5	27	9	2014	0:09	24	20.58	31.11	20.57	31.18	4	V
121	5921	3948.4	7356.5	27	9	2014	2:45	24	20.40	31.34	20.28	31.50	4	V
122	6073	3932.6	7401.6	27	9	2014	5:39	25	20.91	31.69	20.94	31.69	5	V
123	5802	3923.8	7354.8	27	9	2014	7:30	30	20.47	31.75	20.05	32.08	4	B
124	5894	3917.4	7354.3	27	9	2014	9:19	35	20.49	31.75	20.01	32.33	4	V
125	5968	3911.7	7403.2	27	9	2014	11:34	23	20.17	31.86	19.87	32.35	6	B
126	6013	3851.7	7359.3	27	9	2014	17:37	42	20.98	33.13	17.63	33.53	3	W
127	5952	3842.9	7401.0	27	9	2014	19:39	50	21.19	33.28	14.98	33.65	5	B
128	5991	3845.9	7353.6	27	9	2014	21:36	47	20.39	32.56	15.02	33.60	6	B
129	5925	3841.7	7339.1	28	9	2014	2:39	63	21.10	34.29	12.82	34.08	1	V
130	6067	3822.8	7355.7	28	9	2014	5:42	64	20.96	34.08	12.88	34.19	4	V
131	5983	3809.2	7353.2	28	9	2014	8:11	118	22.78	35.46	13.46	35.30	5	V
132	5891	3815.9	7337.4	28	9	2014	11:38	262	23.11	35.42	10.75	35.37	4	V
133	5954	3826.1	7330.1	28	9	2014	15:20	119	22.96	35.52	12.94	35.54	7	V
134	5783	3833.3	7315.6	28	9	2014	18:03	157	22.67	35.54	12.33	35.56	4	W
135	5979	3844.3	7303.9	28	9	2014	20:22	173	23.40	35.50	11.52	35.45	4	B
136	6009	3852.7	7258.1	28	9	2014	22:37	108	22.78	35.49	13.66	35.50	4	V
137	6038	3855.0	7259.9	29	9	2014	0:14	86	22.59	35.62	13.69	35.25	2	V
138	6016	3901.5	7248.5	29	9	2014	2:26	123	21.90	35.26	12.71	35.61	2	V
139	5996	3906.6	7248.3	29	9	2014	4:36	118	21.68	35.15	13.71	35.59	6	B
141	6150	3910.3	7240.9	29	9	2014	8:30	141	21.31	35.11	12.91	35.57	3	B
142	5785	3913.9	7235.8	29	9	2014	10:09	146	22.33	35.55	13.16	35.62	7	V

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
143	5778	3908.8	7325.2	29	9	2014	14:39	57	22.09	35.43	13.10	33.79	5	V
144	6094	3913.4	7318.8	29	9	2014	16:00	56	22.03	35.29	13.72	33.66	6	B
145	6105	3919.8	7303.4	29	9	2014	17:57	68	21.19	34.43	12.67	33.94	4	V
146	6110	3926.3	7301.6	29	9	2014	19:23	67	20.63	32.96	12.26	33.67	4	W
147	6135	3938.5	7304.7	29	9	2014	21:50	44	20.51	32.75	14.50	33.52	5	V
148	6127	3954.1	7304.0	30	9	2014	0:00	69	20.26	32.57	12.15	33.65	3	V
149	5958	3952.2	7300.7	30	9	2014	1:33	72	20.35	32.74	12.02	33.63	7	B
150	5862	3946.0	7236.9	30	9	2014	4:15	61	20.72	34.55	12.28	33.88	5	V
151	5795	3927.8	7240.4	30	9	2014	6:49	88	20.96	34.27	13.39	34.87	5	B
152	5886	3929.1	7238.1	30	9	2014	8:10	89	21.78	35.29	13.36	34.84	5	V
153	6083	3928.6	7228.8	30	9	2014	9:45	118	21.36	35.07	13.77	35.60	6	V
154	5934	3931.0	7224.2	30	9	2014	11:38	275	21.68	35.20	11.12	35.41	1	V
155	6031	3938.5	7226.4	30	9	2014	14:27	298	21.18	34.96	10.73	35.38	3	V
156	5841	3934.4	7215.4	30	9	2014	17:08	128	22.54	35.63	12.99	35.59	3	W
157	5800	3948.9	7149.4	30	9	2014	20:40	209	23.17	35.70	12.34	35.57	4	V
158	5837	4002.3	7153.1	1	10	2014	2:21	89	22.17	35.49	13.17	34.59	3	B
159	6061	4008.5	7114.2	1	10	2014	6:13	123	23.12	35.70	12.89	35.63	4	V
160	5860	4016.8	7103.3	1	10	2014	8:31	105	22.63	35.64	12.84	35.59	4	V
161	5944	4005.2	7055.8	1	10	2014	11:53	165	23.18	35.58	13.54	35.70	4	V
162	5972	4020.1	7050.0	1	10	2014	15:36	103	21.94	35.43	12.88	35.60	3	B
163	5791	4025.2	7048.9	1	10	2014	17:45	86	21.34	34.99	13.70	35.39	4	B
164	6076	4033.4	7046.8	1	10	2014	20:28	72	19.33	34.04	14.41	34.39	2	W
165	5974	4103.7	7142.3	2	10	2014	2:44	41	18.63	32.37	18.64	32.84	3	V
166	6001	4105.2	7142.4	2	10	2014	4:08	36	18.62	32.35	18.64	32.36	4	V
167	5780	4105.4	7141.0	2	10	2014	5:26	32	18.68	32.56	18.68	32.73	4	V
168	6111	4105.3	7125.3	2	10	2014	7:41	38	18.45	33.01	18.56	33.72	5	B
169	5803	4121.1	7125.2	2	10	2014	11:40	33	18.63	32.49	18.65	32.52	3	V
170	5975	4121.7	7111.1	2	10	2014	13:37	27	18.34	32.56	18.33	32.57	2	B

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
171	5776	4122.6	7108.6	2	10	2014	17:10	28	18.33	32.56	18.32	32.59	5	W
172	6080	4112.2	7054.1	2	10	2014	20:45	30	17.96	32.40	17.97	32.40	5	V
173	6134	4116.3	7044.0	7	10	2014	23:04	27	17.97	32.33	17.97	32.32	5	B
174	5888	4115.4	7019.3	8	10	2014	2:09	21	17.46	32.36	17.46	32.36	3	W
175	5900	4103.6	7010.9	8	10	2014	4:25	26	16.83	32.30	16.79	32.30	3	V
176	5946	4101.0	7027.9	8	10	2014	6:35	42	16.90	32.17	17.02	33.34	4	V
177	5897	4057.6	7017.7	8	10	2014	8:25	39	16.72	32.35	16.41	32.68	4	B
178	5849	4040.5	7002.1	8	10	2014	11:35	48	16.45	32.76	16.20	33.04	4	B
179	5845	4047.0	6944.7	8	10	2014	15:28	37	15.93	32.82	15.91	32.82	3	V
180	5920	4043.6	6943.1	8	10	2014	17:15	46	16.70	33.14	17.17	33.48	4	B
181	5980	4021.0	6927.1	8	10	2014	22:31	74	17.33	33.32	15.26	33.67	4	B
182	5850	4024.7	6951.3	9	10	2014	1:54	77	17.16	33.23	14.65	33.98	4	W
183	6054	4027.5	6954.8	9	10	2014	3:18	74	17.25	33.29	15.12	34.04	4	V
184	5775	4025.8	7004.6	9	10	2014	5:11	74	17.24	33.33	14.69	33.99	6	B
185	5919	4019.6	7010.8	9	10	2014	7:36	86	21.72	35.39	14.01	34.03	4	V
186	5833	4021.3	7016.0	9	10	2014	8:55	84	21.25	35.24	14.34	34.17	4	V
187	6004	4010.2	7035.9	9	10	2014	11:38	121	22.54	35.72	13.34	35.58	3	V
188	5901	4003.0	7044.3	9	10	2014	14:27	154	22.50	35.78	14.44	35.81	6	B
189	6124	4001.0	7057.5	9	10	2014	17:25	276	22.44	35.68	11.43	35.46	7	V
190	6023	4000.3	7048.2	9	10	2014	19:59	284	22.49	35.79	11.52	35.47	3	V
191	5889	4000.1	7044.0	9	10	2014	22:09	275	22.54	35.69	11.89	35.51	3	V
192	6050	3959.7	7003.6	10	10	2014	2:32	170	22.50	35.77	14.30	35.83	3	W
193	5976	3955.4	6934.0	10	10	2014	8:11	309	22.36	35.84	11.10	35.41	5	V
194	5875	3959.7	6911.1	10	10	2014	11:56	483	22.40	35.86	6.20	35.06	7	V
195	5781	4003.7	6912.3	10	10	2014	14:19	141	22.06	35.67	12.28	35.56	3	V
196	6019	4004.8	6905.2	10	10	2014	16:25	164	22.45	35.78	12.74	35.60	1	B
197	5931	4013.7	6857.6	10	10	2014	19:17	119	21.14	35.19	13.16	35.64	4	V
198	5872	4003.7	6855.3	10	10	2014	22:27	208	23.76	35.41	13.51	35.72	3	V

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#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
199	5984	4009.6	6833.2	11	10	2014	1:30	190	20.59	35.04	12.58	35.54	1	B
200	6085	4013.0	6829.6	11	10	2014	4:02	230	21.31	35.41	9.88	35.30	1	W
201	5953	4018.3	6828.8	11	10	2014	5:59	129	20.58	35.06	14.12	35.58	2	V
202	6015	4015.9	6827.6	11	10	2014	7:35	150	21.08	35.20	13.34	35.57	3	V
203	6045	4022.0	6819.0	11	10	2014	9:26	123	18.06	33.59	14.23	35.45	1	V
204	6141	4019.7	6758.1	11	10	2014	12:05	152	17.15	33.03	13.32	35.43	5	B
205	6053	4038.4	6801.2	11	10	2014	14:50	88	16.81	32.85	12.77	33.98	5	B
206	6018	4050.3	6812.6	11	10	2014	18:12	52	16.69	32.80	15.27	32.99	4	V
207	5858	4052.8	6822.0	11	10	2014	20:28	50	16.56	32.61	16.55	32.61	2	B
208	6136	4046.9	6825.4	11	10	2014	22:33	47	16.30	32.65	16.28	32.66	5	V
209	6104	4034.4	6848.4	12	10	2014	1:26	67	17.26	33.16	16.94	34.15	7	B
210	5904	4049.6	6901.0	12	10	2014	4:20	76	16.02	32.96	16.01	33.26	1	W
211	6087	4049.6	6909.9	12	10	2014	7:41	61	16.19	33.10	16.27	33.26	3	B
212	6002	4050.4	6855.1	12	10	2014	10:38	70	16.09	32.99	16.07	33.01	3	V
213	5985	4050.9	6847.3	12	10	2014	13:28	65	16.26	32.83	16.21	32.84	3	V
214	5819	4102.2	6853.5	12	10	2014	16:31	70	16.35	32.82	16.30	32.86	3	V
215	5948	4100.8	6843.9	12	10	2014	20:26	58	16.56	32.64	16.54	32.66	1	V
216	6077	4058.9	6832.6	12	10	2014	22:34	55	16.91	32.60	16.93	32.60	2	B
217	6125	4058.5	6804.4	13	10	2014	2:20	51	16.37	32.70	16.38	32.70	3	W
218	5998	4044.2	6737.0	13	10	2014	5:41	80	16.36	33.31	11.92	33.25	3	V
219	5855	4036.3	6733.8	13	10	2014	7:42	101	16.58	33.44	11.25	33.73	3	V
220	5839	4054.6	6727.7	13	10	2014	10:49	77	15.54	32.97	13.93	33.19	3	V
221	6017	4055.8	6722.9	13	10	2014	12:44	78	15.36	32.88	14.18	33.19	2	V
222	6064	4054.2	6709.3	13	10	2014	14:48	86	14.80	32.91	12.19	33.34	2	V
223	5861	4057.0	6708.4	13	10	2014	16:12	82	15.18	32.91	13.11	33.10	2	V
224	5993	4058.6	6706.4	13	10	2014	17:39	78	14.47	32.99	12.71	33.16	4	B
225	5971	4052.9	6649.8	13	10	2014	19:54	94	15.23	33.07	11.12	33.60	7	B
226	6000	4040.8	6653.8	13	10	2014	22:52	197	18.39	34.22	12.44	35.49	2	V

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
227	6089	4050.0	6641.0	14	10	2014	1:07	193	15.86	33.12	11.71	35.47	5	W
228	6003	4050.5	6643.7	14	10	2014	2:36	123	15.74	33.02	12.30	35.09	6	V
229	6047	4051.6	6644.6	14	10	2014	4:02	110	16.27	33.18	11.60	34.67	5	V
230	5989	4102.1	6624.7	14	10	2014	7:09	342	16.70	33.51	7.54	35.11	8	V
231	5989	4102.5	6624.9	14	10	2014	7:36	320	16.52	33.61	10.97	35.12	118	B
232	6035	4108.2	6621.7	14	10	2014	10:24	149	17.08	33.87	10.88	34.75	4	V
233	5960	4112.6	6615.9	14	10	2014	12:54	230	19.94	34.80	10.93	35.23	6	V
234	5794	4123.7	6602.2	14	10	2014	17:03	214	14.99	33.09	9.48	35.23	4	V
235	6024	4125.8	6609.8	14	10	2014	18:57	126	14.48	32.91	10.75	35.15	5	B
236	5787	4125.2	6602.4	14	10	2014	20:44	160	15.38	33.33	10.88	35.17	3	V
237	5826	4131.8	6617.3	14	10	2014	23:58	90	14.61	32.84	10.86	33.34	5	V
238	6090	4132.6	6611.7	15	10	2014	1:15	93	14.45	33.01	10.45	33.67	5	W
239	5942	4134.2	6605.8	15	10	2014	2:38	102	14.32	32.90	10.55	33.78	5	V
240	6081	4139.3	6605.8	15	10	2014	4:04	101	14.49	32.85	10.53	33.61	5	B
241	6066	4138.9	6559.2	15	10	2014	5:45	100	14.14	32.87	10.67	33.69	5	B
242	5790	4219.4	6546.9	15	10	2014	10:10	201	19.55	34.69	11.26	35.39	2	B
243	6011	4224.0	6603.1	15	10	2014	14:01	255	15.52	33.15	9.61	35.24	1	V
244	6114	4210.3	6616.6	15	10	2014	16:52	198	15.62	32.84	8.99	35.14	6	V
245	5853	4214.5	6622.7	15	10	2014	19:19	233	15.75	32.96	9.65	35.06	4	V
246	5807	4209.4	6641.6	15	10	2014	21:50	116	15.92	32.53	7.94	33.26	3	V
247	5789	4208.1	6636.3	15	10	2014	23:44	91	15.72	32.56	8.72	33.08	5	B
248	5902	4201.4	6632.9	16	10	2014	1:41	81	15.67	32.58	13.03	32.87	8	B
249	6148	4150.7	6640.0	16	10	2014	4:01	70	15.01	32.83	14.89	32.85	3	W
250	5882	4146.5	6730.5	16	10	2014	9:33	35	16.73	32.81	16.70	32.82	5	B
251	6037	4138.1	6726.0	16	10	2014	11:36	61	16.94	32.80	16.95	32.79	2	V
252	5893	4138.5	6741.5	16	10	2014	14:05	32	17.14	32.70	16.75	32.75	1	V
253	5827	4135.7	6746.0	16	10	2014	16:59	39	16.90	32.72	16.92	32.72	2	B
254	5896	4120.7	6742.9	16	10	2014	19:59	42	17.44	32.66	17.45	32.66	6	B

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
255	6093	4118.8	6759.7	17	10	2014	0:59	40	17.59	32.64	17.56	32.64	2	V
256	5911	4125.5	6810.1	17	10	2014	3:24	48	17.35	32.51	17.34	32.64	3	W
257	6095	4113.8	6828.1	17	10	2014	8:49	57	16.96	32.59	16.97	32.61	5	V
258	5846	4134.0	6653.7	18	10	2014	3:41	67	16.03	32.79	15.39	32.89	1	W
259	5843	4134.5	6649.4	18	10	2014	9:45	71	15.93	32.82	14.74	32.87	1	V
260	6048	4116.9	6643.4	20	10	2014	5:12	76	14.98	32.71	12.24	33.17	2	V
261	6102	4110.6	6648.4	20	10	2014	17:06	74	14.77	32.80	11.98	33.29	3	W
262	6057	4106.8	6654.2	20	10	2014	20:22	74	14.73	32.81	12.39	33.32	7	V
263	6078	4126.5	6801.4	21	10	2014	2:31	39	17.33	32.61	17.34	32.61	7	W
264	6108	4121.7	6831.2	21	10	2014	6:31	72	16.21	32.69	13.67	32.92	4	V
265	6072	4122.4	6845.7	21	10	2014	8:42	118	14.80	32.31	6.68	33.02	4	V
266	5910	4123.7	6859.8	21	10	2014	10:40	153	14.88	32.32	5.83	33.17	5	B
267	5987	4134.4	6910.8	21	10	2014	13:59	169	14.05	32.12	5.97	33.21	3	V
268	6098	4143.2	6906.1	21	10	2014	16:26	179	14.15	32.16	5.75	33.41	9	V
269	5949	4131.3	6921.1	21	10	2014	19:19	88	14.27	32.21	7.88	33.10	3	B
270	5873	4133.0	6922.9	21	10	2014	21:40	87	14.42	32.21	8.24	33.04	4	V
271	6137	4128.7	6937.6	22	10	2014	0:19	30	13.56	32.24	13.56	32.24	3	W
272	6074	4132.2	6942.3	22	10	2014	5:07	29	12.86	32.24	12.36	32.36	6	V
273	6131	4135.0	6943.2	22	10	2014	6:38	32	13.04	32.23	11.30	32.54	5	V
274	6039	4142.5	6943.3	22	10	2014	9:34	84	13.76	32.24	8.01	33.01	2	V
275	5914	4159.9	7016.4	22	10	2014	20:05	47	14.28	31.95	10.25	32.32	8	V
276	6027	4152.6	7017.6	22	10	2014	22:05	32	14.51	31.81	10.67	32.14	6	V
277	5977	4149.6	7023.6	23	10	2014	6:52	25	14.43	31.74	14.05	31.81	2	W
278	5965	4149.4	7027.2	23	10	2014	8:32	23	14.47	31.74	14.48	31.74	4	V
279	5906	4147.0	7026.0	23	10	2014	10:05	21	14.64	31.58	14.58	31.64	5	V
280	5903	4158.4	7020.1	23	10	2014	12:58	46	14.08	31.85	9.81	32.23	4	V
281	6122	4221.9	6942.7	29	10	2014	5:36	250	13.68	32.30	7.54	34.18	5	W

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
282	5892	4231.4	6926.5	29	10	2014	8:28	263	13.35	32.37	7.61	34.20	6	V
283	5930	4230.1	6920.9	29	10	2014	11:35	230	13.66	32.30	7.26	34.04	6	V
284	5932	4201.6	6921.2	29	10	2014	15:57	211	13.90	32.35	7.03	33.97	5	V
285	6052	4219.1	6851.7	29	10	2014	20:02	214	13.63	32.34	6.07	33.53	9	B
286	6079	4225.8	6838.8	29	10	2014	22:55	198	13.52	32.67	8.02	34.35	2	V
287	5832	4209.0	6845.6	30	10	2014	2:16	186	13.73	32.40	6.04	33.52	3	W
288	5943	4201.5	6836.4	30	10	2014	4:40	172	13.97	32.40	5.79	33.37	5	B
289	5811	4200.2	6834.1	30	10	2014	6:43	173	13.99	32.41	5.69	33.35	5	V
290	5871	4158.7	6830.1	30	10	2014	8:53	172	13.97	32.42	6.80	33.81	4	B
291	5922	4153.1	6754.7	30	10	2014	13:21	58	15.27	32.92	10.56	33.08	3	V
292	5876	4154.7	6752.3	30	10	2014	15:18	60	15.25	32.94	11.64	33.05	4	V
293	6138	4204.8	6752.7	30	10	2014	17:40	204	14.30	32.38	9.32	35.10	3	V
294	6082	4224.8	6803.8	30	10	2014	20:47	186	13.77	32.49	9.01	34.80	4	V
295	5804	4244.9	6839.1	31	10	2014	1:44	188	12.79	32.92	8.00	34.35	4	V
296	5957	4255.6	6817.9	31	10	2014	5:11	163	13.35	32.86	7.39	34.06	1	W
297	5828	4329.7	6831.1	31	10	2014	9:38	166	12.51	33.15	8.12	34.06	5	B
298	6130	4331.0	6834.4	31	10	2014	12:21	141	12.81	33.24	9.32	34.16	4	V
299	6086	4340.0	6830.4	31	10	2014	14:29	179	12.69	33.27	9.06	34.21	6	V
300	5981	4340.7	6811.6	31	10	2014	17:09	183	12.94	33.16	8.57	34.38	2	V
301	6115	4404.2	6744.9	31	10	2014	22:18	149	12.63	33.26	10.37	34.26	2	V
302	5857	4421.0	6719.2	1	11	2014	8:16	115	12.63	33.41	11.32	33.93	5	W
303	5831	4423.4	6707.0	4	11	2014	0:25	138	11.70	33.32	10.82	34.09	1	W
304	6043	4420.6	6703.2	4	11	2014	6:07	133	12.00	33.45	10.83	34.16	4	V
305	5881	4407.8	6648.7	4	11	2014	9:18	147	12.65	33.16	10.43	34.33	7	B
306	5844	4401.6	6649.7	4	11	2014	11:58	109	12.72	33.11	10.59	34.36	2	V
307	5830	4355.9	6647.1	4	11	2014	14:17	114	12.76	32.93	10.95	34.37	2	V
308	6091	4345.8	6648.1	4	11	2014	16:42	129	12.59	32.75	11.34	34.48	1	V
309	5899	4338.1	6639.3	4	11	2014	19:10	118	12.62	32.69	11.97	34.27	2	V

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
310	6103	4336.7	6639.5	4	11	2014	20:56	123	12.66	32.59	11.91	34.37	6	B
311	6144	4336.2	6651.2	4	11	2014	23:08	131	12.54	32.89	11.70	34.93	2	V
312	6020	4320.3	6700.5	5	11	2014	1:53	182	11.59	33.54	9.88	34.92	2	V
313	5964	4311.5	6717.4	5	11	2014	4:36	209	11.65	33.16	9.67	34.88	3	W
314	5867	4325.7	6727.0	5	11	2014	7:37	194	12.83	33.43	9.06	34.49	4	V
315	5887	4325.0	6730.7	5	11	2014	9:54	199	12.75	33.43	9.02	34.52	1	V
316	5777	4312.3	6722.2	5	11	2014	12:40	185	11.76	33.11	9.75	34.97	4	B
317	5978	4303.5	6708.9	5	11	2014	15:06	225	13.91	33.85	9.84	35.12	8	V
318	5870	4251.7	6704.2	5	11	2014	17:46	218	13.22	33.54	9.81	35.22	1	V
319	6070	4251.9	6707.0	5	11	2014	19:31	244	13.57	33.64	9.72	35.19	4	V
320	6107	4238.8	6651.0	5	11	2014	22:40	214	13.44	33.55	10.32	35.35	3	V
321	5863	4233.7	6641.4	6	11	2014	0:46	233	13.90	33.60	7.64	35.07	3	V
322	6084	4231.4	6659.5	6	11	2014	3:10	323	13.29	33.36	8.78	35.20	3	W
323	5969	4229.4	6654.6	6	11	2014	5:09	282	13.46	33.46	7.86	35.12	2	V
324	5808	4212.7	6703.5	6	11	2014	8:13	195	11.90	32.87	9.32	35.07	3	B
325	5796	4202.4	6709.6	6	11	2014	10:50	53	12.18	32.88	11.63	32.90	1	B
326	5937	4205.7	6746.2	6	11	2014	15:54	193	11.77	32.66	6.16	33.38	4	V
327	6026	4213.8	6742.7	6	11	2014	17:42	217	12.37	32.85	9.28	35.07	3	V
328	6132	4228.6	6740.6	6	11	2014	20:18	205	11.34	32.70	9.55	35.12	3	V
329	5859	4232.0	6752.9	6	11	2014	22:16	232	11.56	32.74	9.48	35.14	4	V
330	5890	4248.2	6758.4	7	11	2014	1:05	204	11.35	33.17	9.19	34.98	5	V
331	5854	4249.9	6904.8	7	11	2014	7:15	178	11.76	33.05	6.98	33.59	5	W
332	5918	4247.4	6920.0	7	11	2014	9:34	69	11.65	33.20	9.02	33.53	3	V
333	6059	4251.6	6924.4	7	11	2014	11:56	157	11.31	33.12	7.41	33.69	5	V
334	5868	4310.8	6856.5	7	11	2014	15:51	171	11.79	33.00	8.10	34.18	4	V
335	6033	4323.3	6853.1	7	11	2014	18:47	101	11.89	33.40	11.24	33.90	3	V
336	7053	4355.6	6845.7	8	11	2014	3:30	92	11.89	33.26	11.93	33.26	5	V

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#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
337	6947	4340.8	6900.4	8	11	2014	12:55	103	11.48	33.01	12.26	33.41	6	W
338	6139	4332.0	6937.4	8	11	2014	18:30	160	11.74	33.22	11.04	33.72	2	V
339	6029	4320.9	6928.3	8	11	2014	21:14	183	11.84	33.29	8.94	33.77	8	B
340	6025	4310.1	6954.7	9	11	2014	0:47	175	11.79	33.38	6.59	33.65	3	B
341	5842	4304.2	6946.8	9	11	2014	2:51	161	11.86	33.41	6.56	33.40	3	W
342	5939	4258.5	6942.9	9	11	2014	5:08	145	11.69	33.34	7.31	33.51	4	B
343	5799	4239.2	6956.8	9	11	2014	8:05	172	11.87	33.40	6.52	33.44	3	V
344	5809	4243.1	6958.4	9	11	2014	9:45	191	11.87	33.38	6.90	33.85	6	V
345	5829	4249.1	7004.1	9	11	2014	11:28	133	12.00	33.37	8.24	33.42	4	B
346	5947	4257.0	7007.0	9	11	2014	13:40	123	11.45	33.07	10.94	33.30	3	V
347	5940	4248.6	7013.5	9	11	2014	15:43	60	11.36	33.02	11.93	33.38	6	V
348	5990	4247.4	7010.9	9	11	2014	16:53	78	11.96	33.35	11.95	33.40	5	V
349	5992	4242.6	7024.7	9	11	2014	19:22	58	11.34	32.94	11.33	33.13	5	V
350	5788	4247.6	7027.4	9	11	2014	20:56	109	11.07	32.53	11.27	33.25	2	V
351	5836	4248.9	7023.4	9	11	2014	22:52	127	11.12	32.83	10.77	33.20	2	V
352	7305	4256.4	7029.0	10	11	2014	0:49	86	10.83	32.68	11.78	33.28	6	V
353	6097	4250.8	7032.3	10	11	2014	2:24	105	11.03	32.52	11.72	33.28	3	W
354	6097	4250.6	7032.6	10	11	2014	2:39	105	10.98	32.49	11.72	33.28	5	B
355	5821	4246.1	7043.5	10	11	2014	5:23	34	10.21	31.26	11.22	32.59	4	V
356	6022	4242.2	7028.5	10	11	2014	7:38	57	11.05	32.82	11.43	33.13	4	V
357	5798	4230.3	7027.6	10	11	2014	10:53	116	10.91	32.51	11.70	33.32	4	B
358	7102	4234.1	7036.8	10	11	2014	14:21	51	10.82	32.41	11.46	32.91	3	V
359	6051	4231.6	7039.9	10	11	2014	19:38	53	11.06	32.46	11.47	32.91	4	V
360	7223	4227.5	7047.2	10	11	2014	21:47	44	11.08	32.37	11.05	32.52	6	V
361	6041	4223.0	7046.5	11	11	2014	1:45	28	10.91	32.20	10.93	32.33	6	V
362	5935	4218.5	7040.2	11	11	2014	6:36	47	10.85	32.47	10.90	32.64	3	W
363	7128	4215.0	7023.4	11	11	2014	11:14	78	10.99	32.09	11.07	32.59	2	V
364	5851	4205.0	7027.4	11	11	2014	15:49	53	11.57	32.14	11.16	32.39	5	V

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Cast	Sta	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(deg N)	(deg W)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
365	7204	4158.1	7028.7	11	11	2014	18:43	39	11.51	31.86	11.58	32.12	6	V
366	5823	4207.9	7005.2	11	11	2014	23:28	49	11.23	32.43	11.04	32.98	5	V
367	5913	4210.5	6958.7	12	11	2014	0:59	136	11.23	32.64	8.43	33.44	3	V
368	5816	4202.6	6953.5	12	11	2014	3:03	84	11.22	32.73	9.62	33.39	4	W
369	5874	4158.8	6953.4	12	11	2014	4:57	62	11.30	32.37	11.14	33.22	5	V
370	6042	4152.3	6953.6	12	11	2014	7:45	38	11.26	32.39	11.18	32.60	3	V
371	5864	4147.7	6954.2	12	11	2014	12:50	22	10.94	32.38	10.89	32.39	3	V
372	5963	4146.2	6953.2	12	11	2014	14:10	24	11.20	32.43	11.19	32.82	3	V
373	7124	4242.6	7038.0	13	11	2014	0:00	40	10.55	31.56	11.36	32.99	7	V
374	7046	4243.4	7038.8	13	11	2014	1:42	38	10.62	31.82	11.33	32.99	7	W

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

Casts in bold are from SBE9/11+ s/n 0832