

Oceanography Branch CTD Data Report
CTD_REPORT_2024007HB

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Center, Woods Hole, Massachusetts 02543-1097.**

DATE: 14 March 2025

Oceanography Branch CTD Data Report

CTD_REPORT_2024007HB

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

HB 2407
Fall Bottom Trawl Survey
Data Coverage: September 7 - November 11, 2024
Mid Atlantic Bight, Georges Bank, Gulf of Maine

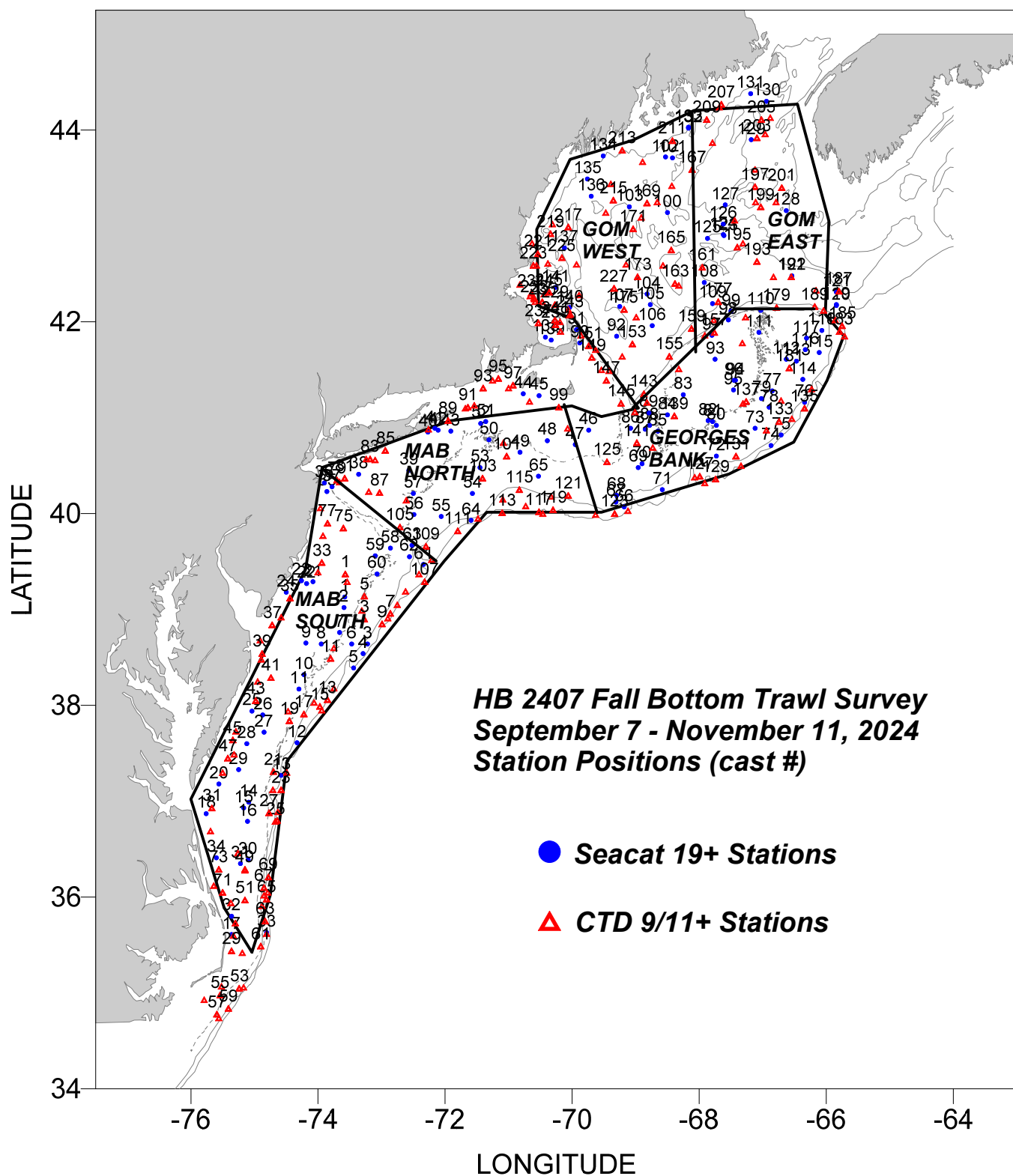
This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's HB2407 Fall Bottom Trawl Survey aboard the NOAA FSV *Bigelow*. Data was obtained with two Sea-Bird Electronics SBE Model 19+V2 profiling CTDs (s/n 7037 & 7143) during plankton tows and on vertical casts with a SBE Model 9/11+ (s/n 0832). Sea water samples were taken for the purpose of calibrating salinity values.

The SBE19+V2 was successfully deployed on 117 double oblique bongo casts, 3 vertical casts, and 20 water sampling casts. The SBE9/11+ was used successfully on 246 stations.

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 by contacting [Dr. Chris Melrose](#)

Revised: 14 March 2025



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
HB2407 Fall Bottom Trawl Survey
September 7 - November 15, 2024**

		SURFACE TEMPERATURE						BOTTOM TEMPERATURE					
Region	CD	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag
WGOM	301	60	13.05	1.62	0.14	0.62	0	60	8.25	1.02	0.12	0.75	0
EGOM	306	37	12.13	0.78	0.14	0.83	0	35	8.28	-0.12	0.17	0.93	0
GB	290	63	15.53	0.83	0.18	0.88	0	63	11.69	-0.72	0.18	2.07	0
MABN	276	44	19.92	2.38	0.25	2.43	0	42	15.32	2.64	0.30	1.64	0
MABS	261	105	21.74	-0.18	0.18	1.37	0	104	15.21	1.24	0.22	2.23	0

		SURFACE SALINITY						BOTTOM SALINITY					
Region	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
WGOM	301	60	32.10	-0.52	0.06	0.18	0	60	33.54	-0.03	0.04	0.22	0
EGOM	306	37	32.21	-0.47	0.08	0.30	0	35	34.12	-0.30	0.04	0.20	0
GB	290	63	31.96	-0.84	0.06	0.30	0	63	32.62	-0.64	0.06	0.30	0
MABN	276	44	33.02	0.31	0.11	0.98	0	42	33.17	-0.49	0.10	0.58	0
MABS	261	105	32.04	-0.26	0.11	0.58	0	104	32.55	-1.14	0.08	0.71	0

"Region"; WGOM is the Western Gulf of Maine; EGOM is the Eastern Gulf of Maine; GB is Georges Bank; MABN is the northern Mid-Atlantic Bight; MABS is the southern Mid-Atlantic Bight;

"CD": the calendar mid-date of all the stations within a region for a cruise;

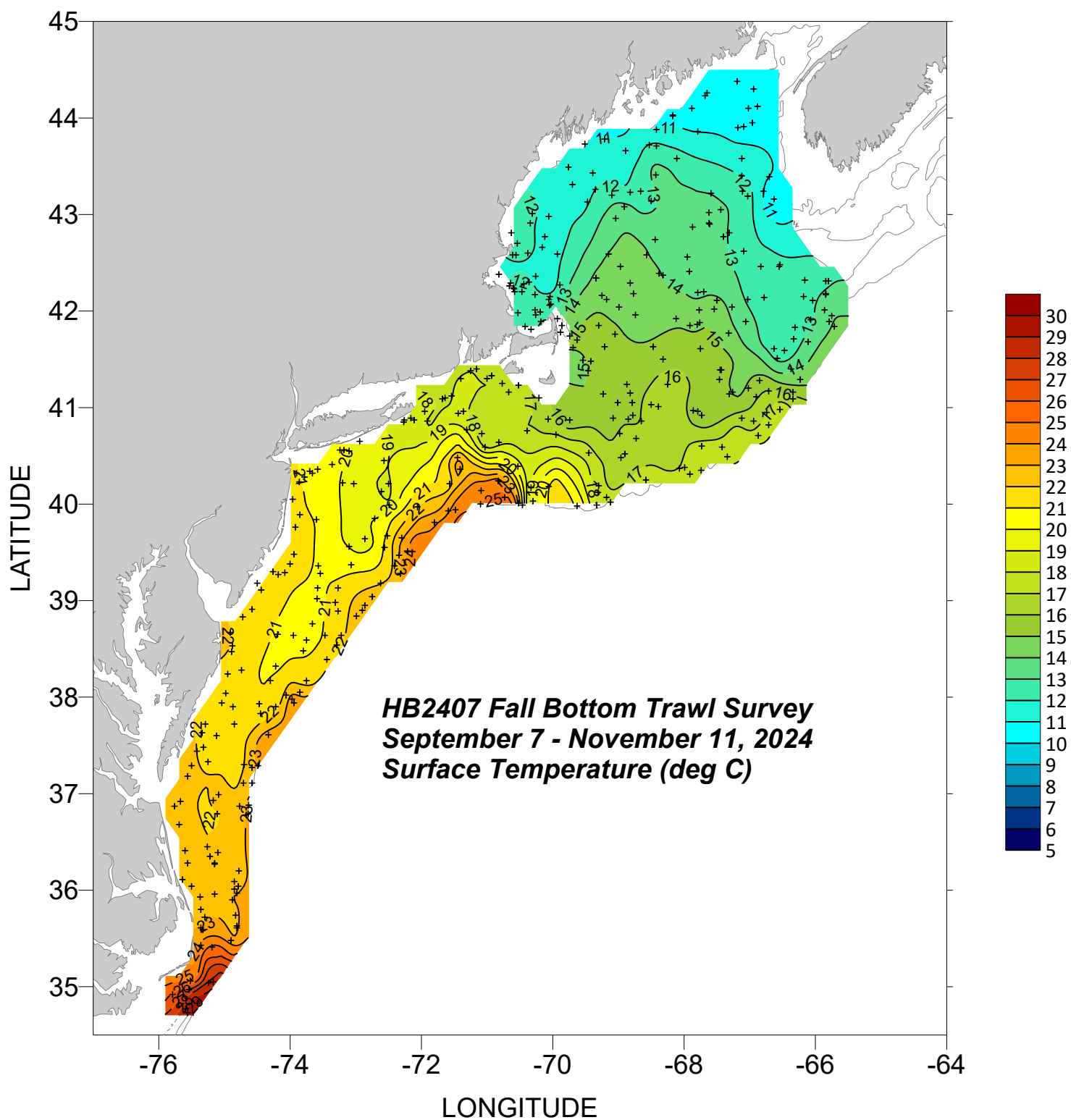
"#obs": the number of observations include in each average;

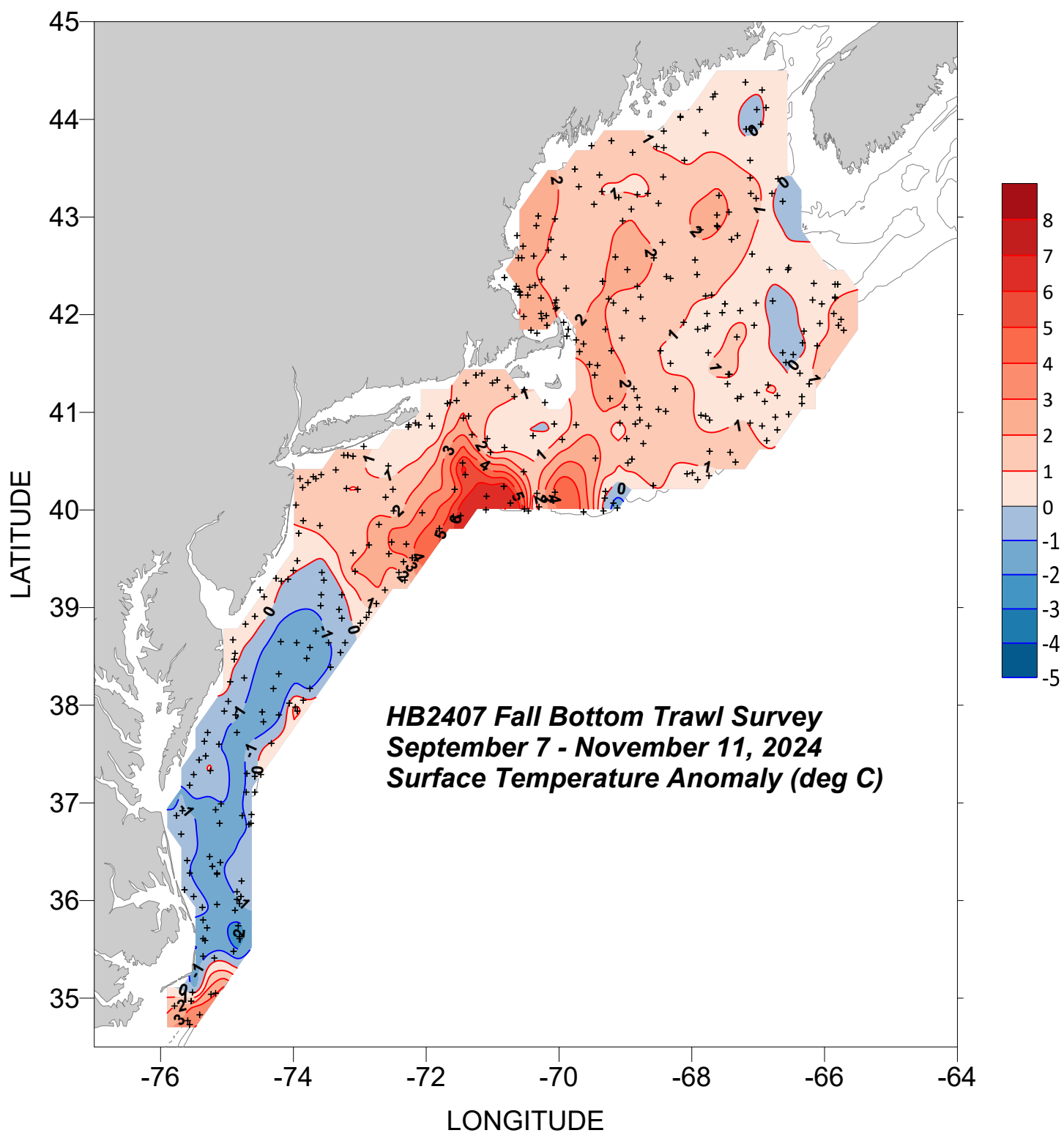
"Temp (°C)" and "Salinity": the areal averaged temperature or salinity; "Anomaly": the areal averaged temp/salt anomaly;

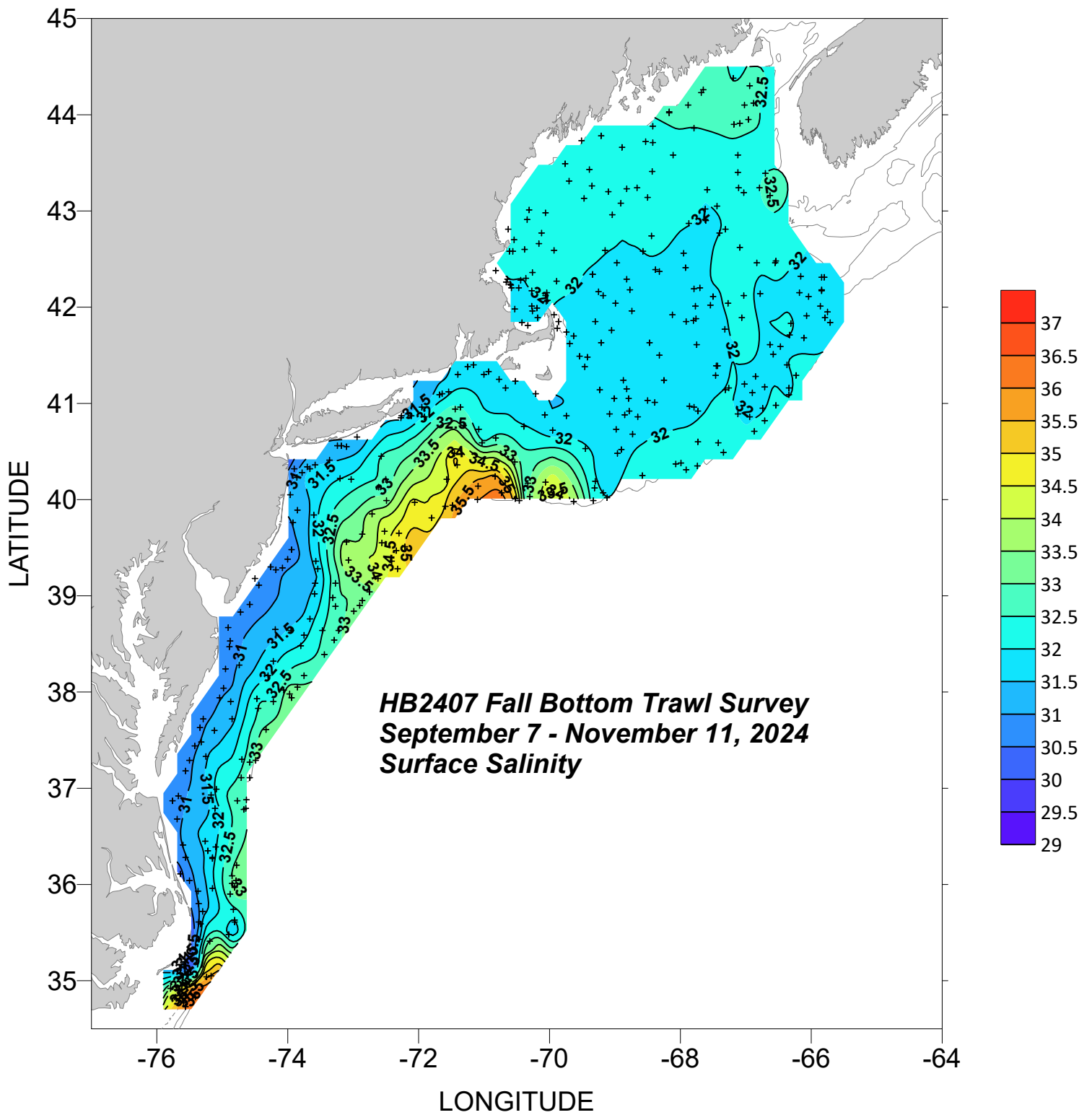
"SDV1": the standard deviation associated with the average temp/salt anomaly;

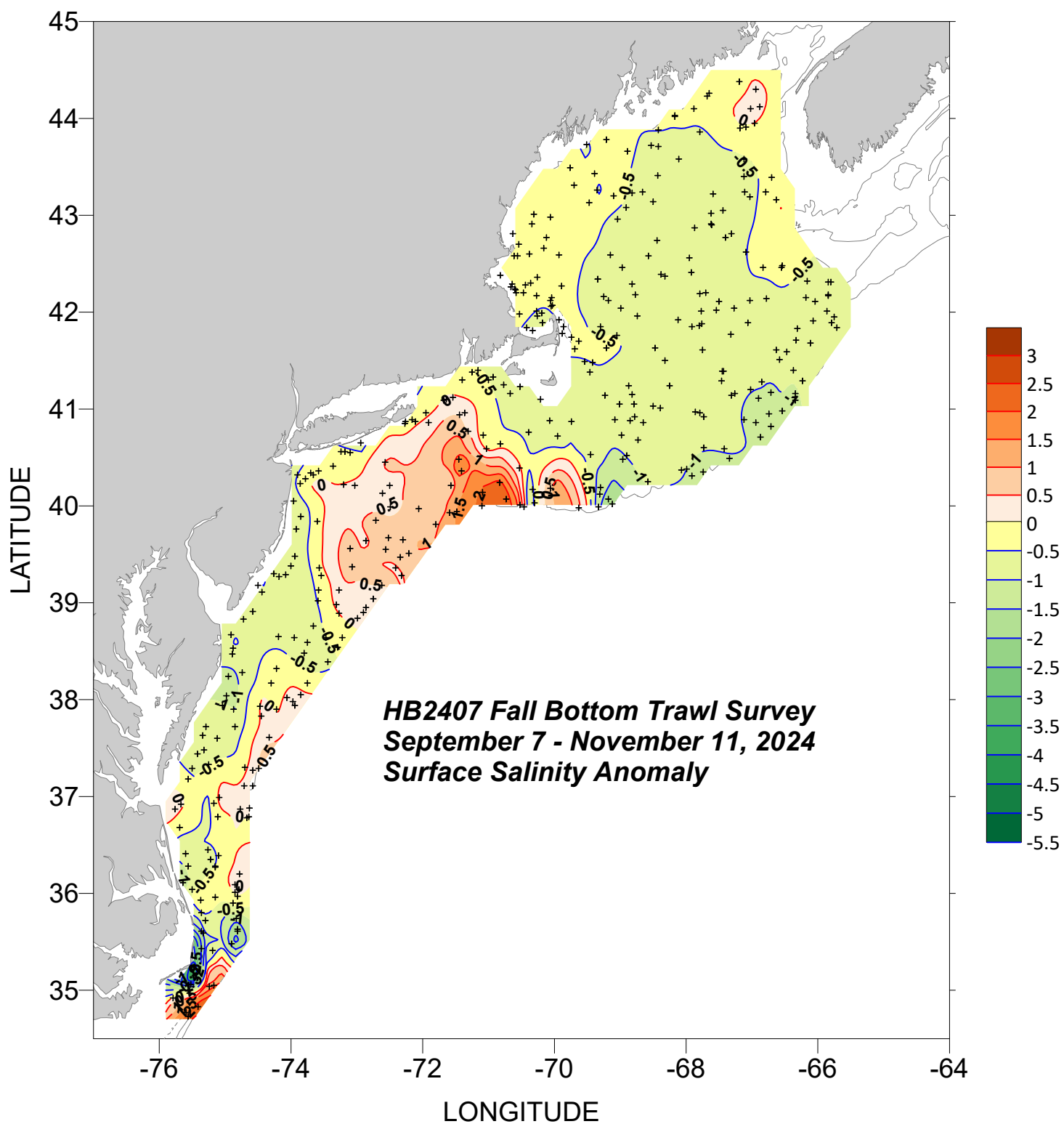
"SDV2": the standard deviation of the individual anomalies from which the average anomaly was derived;

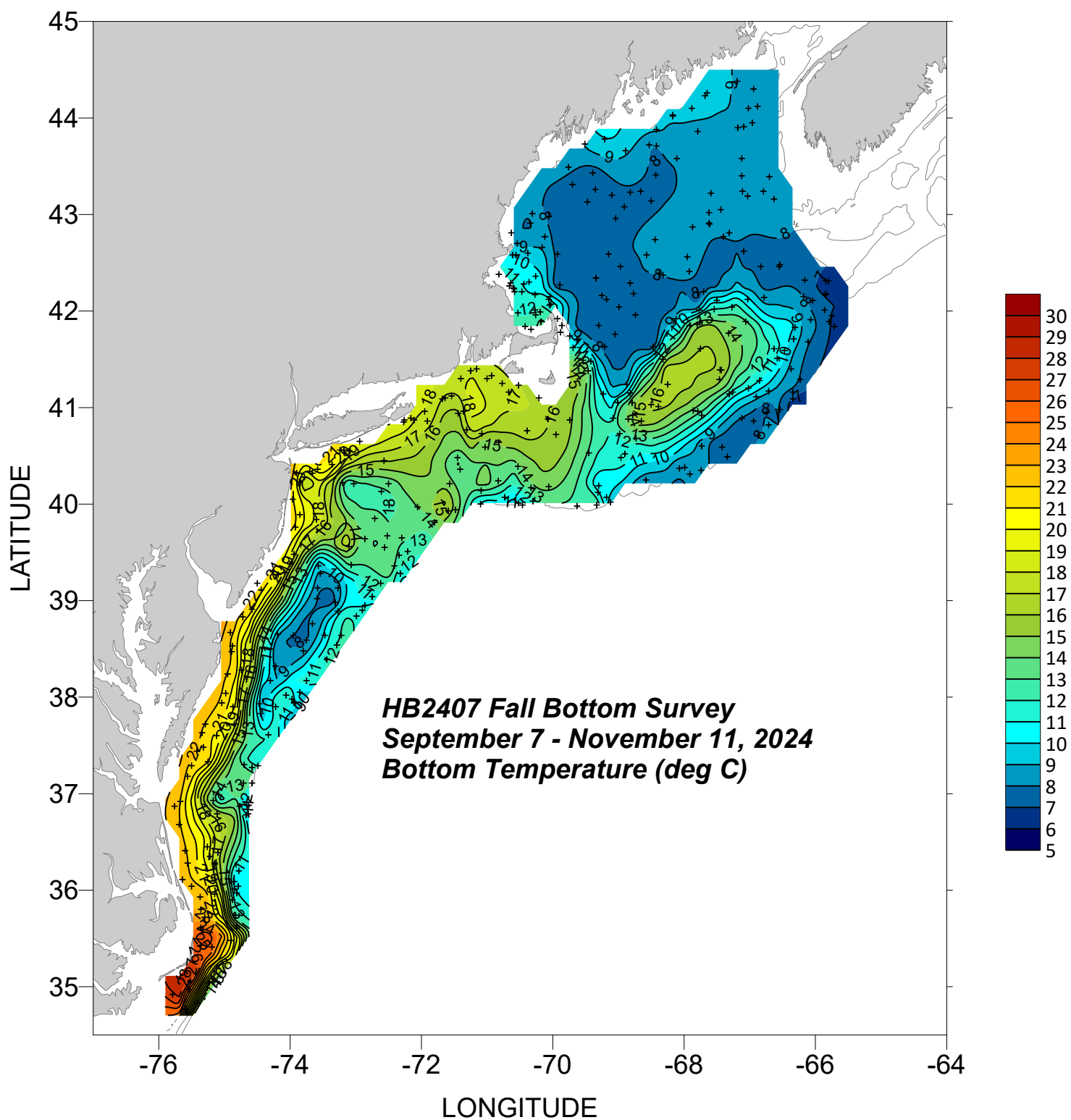
"Flag": a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

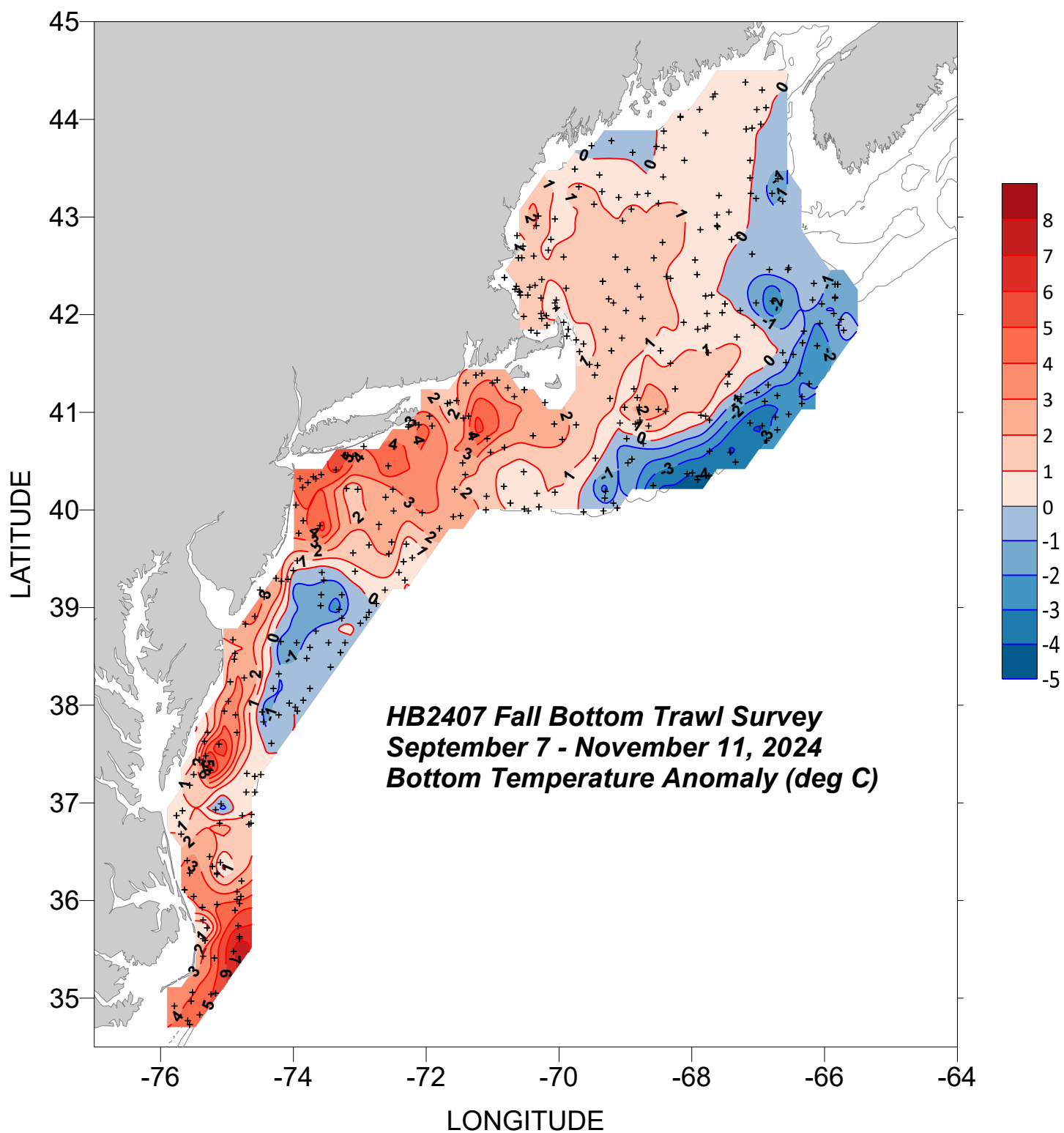


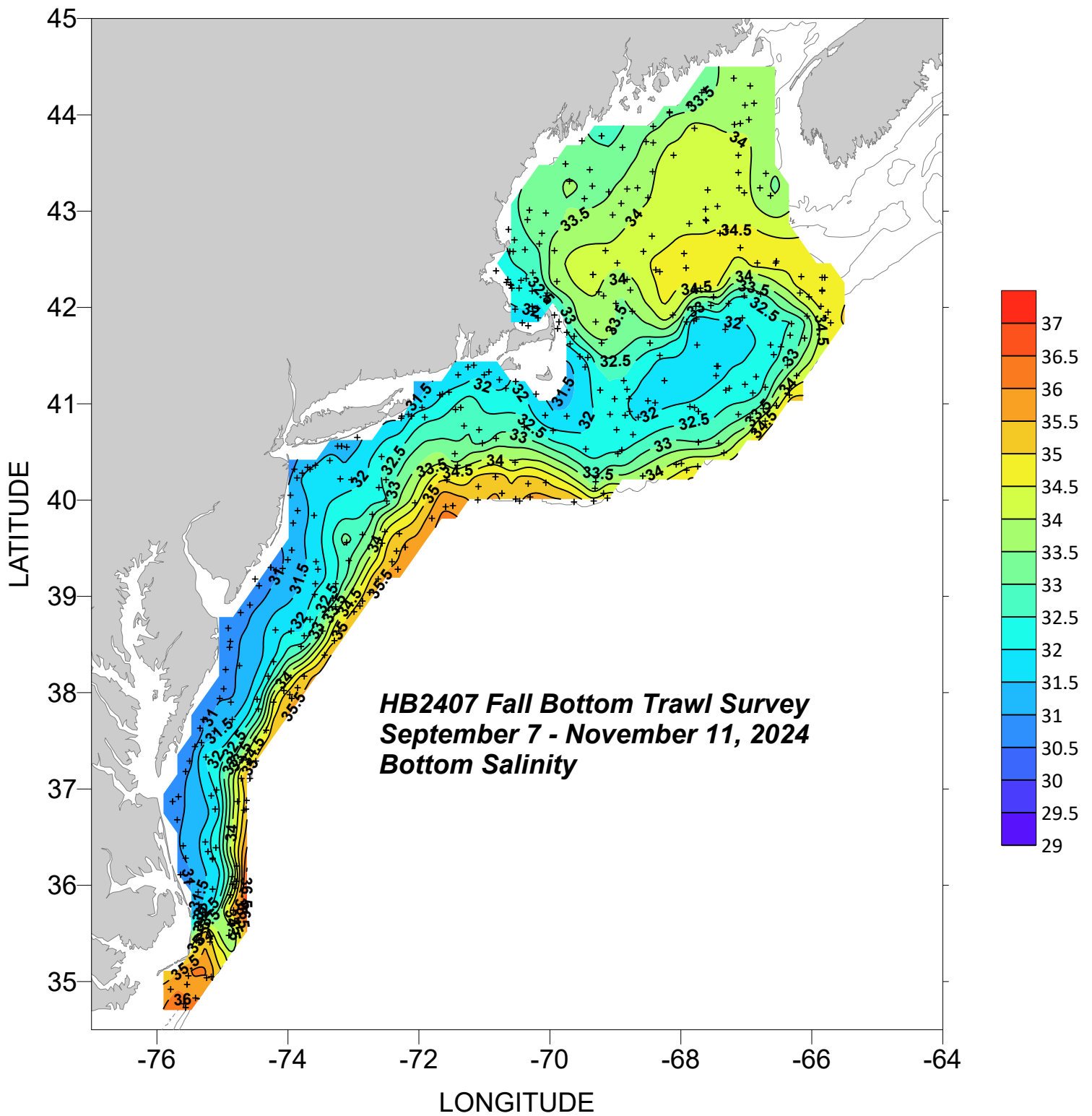


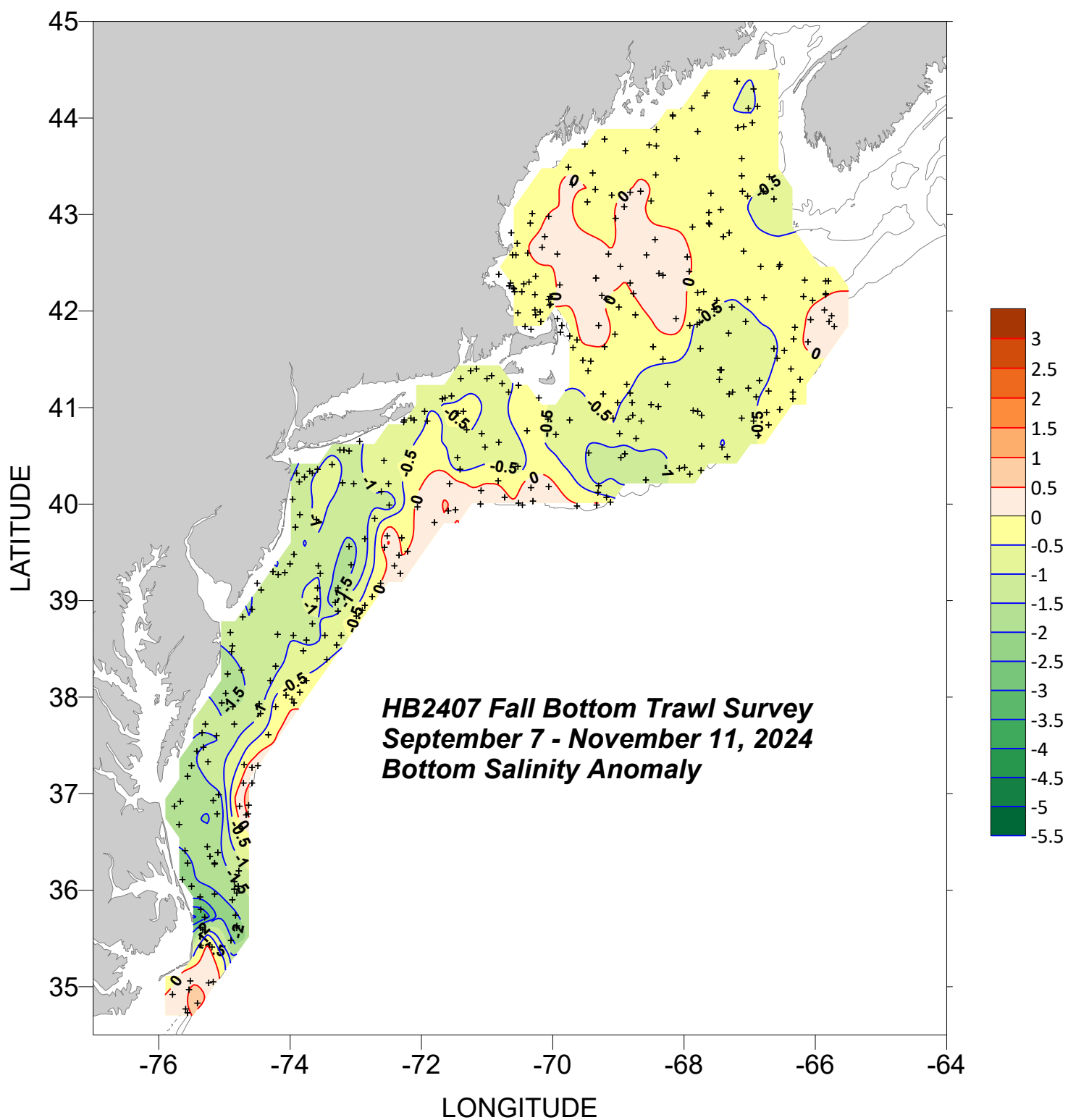












HB2407 Fall Bottom Trawl Survey
September 7 - November 11, 2024

Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
1	10939	3921.6	7334.4	7	9	2024	4:57	48	20.82	31.68	8.74	31.68	3	W
2	10897	3916.8	7332.5	7	9	2024	6:41	48	20.99	31.68	7.99	31.92	4	V
1	10944	3908.0	7334.7	7	9	2024	8:59	51	20.81	31.31	8.52	NaN	6	B
2	11012	3901.5	7335.7	7	9	2024	10:51	53	20.83	31.56	7.87	32.07	4	B
3	11013	3853.5	7316.1	7	9	2024	13:51	75	21.62	32.69	11.78	34.22	3	V
4	10732	3858.5	7318.3	7	9	2024	15:21	68	21.25	32.71	7.76	32.34	3	V
5	10714	3907.7	7316.1	7	9	2024	17:26	60	21.21	32.74	8.02	32.37	3	V
6	10871	3902.7	7245.1	7	9	2024	20:51	210	22.82	33.00	10.70	35.26	3	V
7	10985	3857.0	7251.4	8	9	2024	0:59	148	22.85	32.99	11.01	35.27	2	V
8	10687	3854.2	7253.8	8	9	2024	3:03	315	22.70	33.03	9.98	35.22	3	V
9	10875	3850.4	7259.6	8	9	2024	5:40	115	22.36	33.15	12.29	35.10	3	V
3	10817	3838.6	7313.4	8	9	2024	8:25	117	21.74	32.98	12.32	34.91	5	B
4	10683	3832.5	7317.1	8	9	2024	10:46	128	21.76	32.78	12.20	35.15	5	W
5	10849	3823.6	7326.7	8	9	2024	13:42	148	21.80	32.57	12.46	35.19	7	B
6	10922	3838.6	7328.0	8	9	2024	18:44	77	21.07	32.66	10.28	33.28	6	B
7	10659	3845.5	7339.5	8	9	2024	21:31	57	20.64	31.74	7.57	32.11	4	B
10	10688	3835.5	7345.2	8	9	2024	23:43	59	20.48	31.79	7.65	32.09	3	V
11	10695	3828.5	7347.7	9	9	2024	1:52	63	20.94	32.14	8.27	32.34	6	V
8	10713	3838.6	7357.3	9	9	2024	4:34	50	20.61	31.54	7.85	32.01	5	B
9	10933	3839.2	7411.7	9	9	2024	6:32	46	20.87	31.26	8.42	31.95	6	B
10	10810	3819.2	7413.2	9	9	2024	9:28	55	20.89	31.96	7.83	31.97	5	W
11	10888	3810.4	7418.0	9	9	2024	11:35	47	20.93	31.82	8.45	31.97	7	B
12	10844	3801.2	7403.3	9	9	2024	14:04	111	22.06	32.78	12.50	35.02	4	W
13	10842	3802.9	7350.8	9	9	2024	16:41	288	23.10	33.08	9.66	35.21	4	V
14	11008	3810.0	7345.2	9	9	2024	18:55	130	21.45	32.76	11.93	35.31	4	V
15	11016	3758.7	7358.4	9	9	2024	21:31	144	23.61	33.44	12.31	35.37	6	V
16	10673	3756.6	7356.1	10	9	2024	0:00	425	23.72	33.45	6.31	35.01	4	V
17	10742	3754.2	7413.1	10	9	2024	3:22	92	21.28	32.35	12.69	34.85	5	V

HB2407 Fall Bottom Trawl Survey
September 7 - November 11, 2024

Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
18	10921	3755.7	7428.1	10	9	2024	5:58	55	21.30	32.60	8.10	32.02	2	V
19	10766	3750.0	7427.3	10	9	2024	7:30	60	21.26	32.54	8.30	32.21	4	W
12	10749	3736.3	7419.8	10	9	2024	9:34	103	23.81	33.15	12.75	NaN	4	B
20	10991	3717.7	7429.6	10	9	2024	12:08	216	23.97	33.41	11.04	35.37	2	V
13	11007	3716.1	7434.8	10	9	2024	13:50	94	23.25	32.77	13.71	35.53	4	B
21	10651	3717.8	7442.2	10	9	2024	15:15	63	21.27	32.22	10.31	33.25	4	V
22	10998	3706.7	7442.5	10	9	2024	17:19	110	21.76	32.49	14.92	35.55	4	V
23	10919	3706.5	7435.0	10	9	2024	18:53	120	23.04	32.90	13.56	35.59	3	V
24	10731	3653.0	7437.7	10	9	2024	21:34	351	23.26	33.00	7.50	35.07	3	V
25	10708	3646.6	7440.0	11	9	2024	0:05	121	23.17	32.73	15.15	35.63	3	V
26	10830	3647.3	7438.7	11	9	2024	1:53	352	22.98	32.92	7.31	35.06	3	V
27	10815	3652.0	7446.2	11	9	2024	4:32	71	22.67	32.90	12.72	34.38	5	W
14	10992	3659.6	7505.1	11	9	2024	7:39	38	22.85	32.39	10.64	31.87	6	B
15	10686	3655.7	7510.4	11	9	2024	9:07	34	21.88	31.33	11.82	31.82	2	B
16	10935	3647.6	7506.8	11	9	2024	10:32	30	21.78	31.60	16.98	31.41	5	B
17	10877	3536.5	7521.6	11	9	2024	17:46	27	22.95	30.81	23.03	31.60	4	W
28	10877	3535.6	7520.0	12	9	2024	0:13	31	22.97	31.25	26.76	34.79	3	V
29	10758	3525.6	7521.4	12	9	2024	2:14	23	23.88	30.54	26.61	34.46	5	V
30	10836	3524.9	7511.2	12	9	2024	4:18	30	25.92	34.18	27.12	35.89	3	V
18	10971	3652.4	7545.8	15	9	2024	19:04	18	22.29	30.89	22.26	30.90	5	B
31	10837	3655.3	7540.0	15	9	2024	21:41	20	22.16	30.90	22.15	30.90	5	V
20	10976	3711.1	7533.9	16	9	2024	0:30	22	22.09	30.82	22.10	30.84	5	B
32	10675	3717.6	7529.8	16	9	2024	2:00	20	22.01	30.85	21.96	30.91	2	V
33	10856	3928.5	7356.4	16	9	2024	19:41	24	21.86	30.54	17.97	31.26	4	W
34	10980	3922.8	7400.2	16	9	2024	21:33	26	21.38	30.81	18.21	31.09	3	V
21	10977	3917.5	7404.5	16	9	2024	23:22	30	21.32	31.35	16.60	31.04	4	B
22	10975	3916.1	7410.7	17	9	2024	0:58	27	21.27	30.76	21.29	31.00	6	B
23	10915	3918.2	7415.3	17	9	2024	2:31	22	21.66	30.56	21.64	30.63	5	B

HB2407 Fall Bottom Trawl Survey
September 7 - November 11, 2024

Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
24	10763	3910.7	7429.9	17	9	2024	5:00	20	21.89	30.75	21.89	30.75	5	B
35	10773	3906.3	7426.3	17	9	2024	6:32	19	21.84	30.71	21.85	30.71	2	V
36	11173	3854.5	7434.8	17	9	2024	9:04	22	21.70	30.84	21.68	30.85	3	V
37	10892	3849.5	7443.1	17	9	2024	11:35	22	21.83	30.81	21.83	30.81	2	V
38	10696	3840.4	7454.3	17	9	2024	14:35	23	21.97	30.85	21.91	30.86	3	W
39	11276	3832.1	7452.8	17	9	2024	16:53	18	22.10	30.85	22.03	30.85	3	V
40	10845	3827.9	7453.4	17	9	2024	18:34	16	21.91	30.78	21.88	30.77	5	V
41	10848	3817.0	7444.3	17	9	2024	20:46	30	21.30	31.02	21.20	31.14	3	V
42	10704	3814.2	7456.8	17	9	2024	23:22	22	21.82	30.75	21.81	30.76	3	V
43	10920	3802.4	7458.7	18	9	2024	1:36	20	21.70	30.82	21.71	30.84	4	V
25	10648	3756.4	7502.5	18	9	2024	3:26	25	21.79	31.03	21.72	31.03	4	B
26	10884	3753.9	7452.4	18	9	2024	5:22	28	21.57	30.99	21.49	30.99	5	B
27	10760	3743.1	7451.1	18	9	2024	7:22	30	21.34	31.34	18.47	31.45	5	B
28	10806	3735.9	7507.1	18	9	2024	9:47	30	21.28	31.14	21.22	31.17	3	W
44	10880	3743.4	7517.1	18	9	2024	11:46	21	21.83	30.93	21.83	30.93	3	W
45	10712	3737.8	7520.2	18	9	2024	13:32	21	21.87	30.98	21.85	30.98	3	V
46	11006	3728.5	7519.3	18	9	2024	15:21	29	21.83	30.97	21.55	31.07	3	V
47	11017	3726.6	7525.2	18	9	2024	17:40	21	22.16	30.81	21.82	30.81	4	V
29	10874	3719.6	7515.2	18	9	2024	19:53	23	21.85	31.53	21.67	32.21	5	B
48	10984	3626.7	7515.7	19	9	2024	1:22	31	22.05	31.87	20.33	31.79	4	V
30	10661	3623.7	7506.2	19	9	2024	3:00	35	22.46	31.84	16.46	32.04	5	B
31	10753	3621.1	7513.2	19	9	2024	4:48	29	22.09	31.51	18.65	31.79	4	B
49	10748	3616.6	7508.9	19	9	2024	6:30	34	22.51	32.02	17.42	31.97	1	V
50	10748	3616.5	7508.9	19	9	2024	6:34	34	22.49	32.01	17.47	31.97	2	V
51	10667	3557.8	7508.9	19	9	2024	9:11	35	22.41	31.64	22.16	31.91	4	W
32	10783	3548.2	7521.9	19	9	2024	11:36	26	22.89	31.10	22.72	31.35	6	B
52	10909	3543.1	7517.8	19	9	2024	13:13	28	22.82	31.24	22.67	31.37	3	V
53	10736	3502.4	7514.2	19	9	2024	17:33	149	28.13	36.18	18.82	36.33	1	V

HB2407 Fall Bottom Trawl Survey
September 7 - November 11, 2024

Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
54	10858	3503.6	7531.2	19	9	2024	20:01	27	23.79	29.44	28.48	36.20	6	V
55	10678	3458.0	7532.2	19	9	2024	22:09	45	28.41	36.16	27.56	36.00	4	V
56	10879	3455.0	7547.5	20	9	2024	0:26	28	25.76	33.14	27.26	35.93	5	V
57	10645	3446.5	7535.1	20	9	2024	2:44	75	28.42	36.27	27.37	36.15	4	V
58	10804	3443.7	7533.6	20	9	2024	4:11	171	29.65	36.21	18.96	36.35	3	V
59	10966	3449.9	7524.7	20	9	2024	6:44	285	29.67	36.17	12.60	35.62	2	V
60	10655	3503.2	7510.1	20	9	2024	10:15	328	29.65	36.23	10.91	35.40	4	W
61	10669	3528.5	7454.2	20	9	2024	17:44	44	22.89	31.37	23.43	32.33	3	V
62	10924	3536.6	7448.9	20	9	2024	19:56	126	22.90	31.76	15.61	35.50	2	V
33	10768	3537.8	7448.6	20	9	2024	21:58	160	22.83	31.68	14.91	35.91	5	B
63	10835	3544.2	7449.8	20	9	2024	23:56	211	22.88	32.44	12.43	35.59	6	V
64	10841	3554.0	7452.7	21	9	2024	1:59	92	23.00	32.94	10.93	32.96	5	V
65	10955	3558.3	7448.4	21	9	2024	3:38	169	22.96	33.16	12.23	35.54	2	V
66	10854	3600.8	7451.1	21	9	2024	5:11	97	23.63	33.52	11.07	33.21	3	V
67	10788	3605.6	7451.2	21	9	2024	6:33	94	22.34	33.01	9.70	32.57	4	V
68	10883	3602.2	7447.6	21	9	2024	8:19	220	23.19	33.36	11.30	35.43	3	V
69	10707	3611.9	7446.8	21	9	2024	10:42	201	22.81	33.21	11.32	35.42	2	W
70	10905	3555.8	7522.1	21	9	2024	15:28	26	22.50	31.13	22.22	31.21	4	V
71	10986	3602.4	7530.2	21	9	2024	17:16	26	22.66	30.87	22.24	30.94	6	V
72	10843	3606.6	7538.3	21	9	2024	18:59	23	22.60	30.19	22.41	30.69	7	V
73	10771	3616.9	7533.5	21	9	2024	20:54	25	22.61	30.95	22.10	31.02	4	V
34	10833	3624.9	7535.9	21	9	2024	22:51	25	22.59	31.09	22.08	31.09	6	B
74	10890	3641.1	7541.3	22	9	2024	1:18	21	22.62	30.86	22.20	30.89	5	V
75	10839	3950.2	7335.8	22	9	2024	22:47	31	21.05	31.83	19.19	31.67	6	V
76	10913	3945.4	7355.1	23	9	2024	1:14	24	20.98	31.24	21.08	31.33	5	V
77	10914	3953.7	7350.9	23	9	2024	2:56	26	21.15	30.51	20.74	31.07	4	V
78	10646	4003.2	7357.5	23	9	2024	4:53	22	20.96	31.25	20.97	31.29	6	V

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September 7 - November 11, 2024

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#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
35	10684	4013.7	7351.8	23	9	2024	7:23	23	21.08	31.14	21.08	31.15	5	W
36	10862	4019.0	7354.1	23	9	2024	9:21	20	21.27	30.28	21.30	30.79	5	B
37	10782	4017.1	7346.9	23	9	2024	11:31	55	20.97	31.33	13.66	31.65	6	B
79	10690	4020.3	7341.8	23	9	2024	12:50	26	20.52	31.50	20.51	31.51	4	V
80	10912	4019.0	7339.3	23	9	2024	14:00	25	20.69	31.83	20.69	31.83	5	V
81	10851	4021.5	7335.0	23	9	2024	15:06	25	20.66	31.49	20.65	31.49	3	V
38	10946	4024.9	7321.9	23	9	2024	16:52	30	20.24	31.44	20.54	31.67	6	B
82	10776	4033.4	7314.7	23	9	2024	18:35	24	20.57	31.13	20.52	31.13	4	V
83	10795	4033.4	7310.7	23	9	2024	19:42	24	20.10	31.17	20.08	31.18	2	W
84	10997	4033.0	7305.9	23	9	2024	20:49	29	19.95	31.14	19.98	31.15	4	V
85	10723	4039.0	7256.1	23	9	2024	23:05	24	19.76	30.98	19.50	31.38	4	V
86	10860	4012.9	7312.0	24	9	2024	2:35	41	19.90	31.99	12.15	31.74	6	V
87	10902	4012.6	7301.9	24	9	2024	4:58	44	19.56	32.17	12.43	31.84	4	V
39	11010	4027.2	7234.0	24	9	2024	8:51	44	19.04	32.73	16.30	32.42	6	B
40	11003	4050.8	7216.2	24	9	2024	12:28	29	18.72	31.43	18.75	31.45	4	B
88	10840	4052.3	7215.3	24	9	2024	13:33	25	18.60	31.32	18.60	31.32	4	V
41	10745	4053.5	7209.5	24	9	2024	14:45	28	18.40	31.52	18.33	31.71	3	V
42	10666	4052.4	7206.3	24	9	2024	15:50	34	18.48	31.60	17.94	32.13	5	B
43	10967	4051.3	7154.3	24	9	2024	17:42	41	17.52	32.06	17.60	32.35	6	B
89	10697	4057.5	7156.9	24	9	2024	19:17	28	18.50	31.29	18.27	31.60	4	W
90	10794	4105.7	7140.9	24	9	2024	21:36	29	17.81	31.73	16.96	32.02	4	V
91	10775	4106.0	7138.3	24	9	2024	23:00	31	17.09	31.91	17.01	31.96	4	V
92	10801	4107.4	7132.3	25	9	2024	0:16	28	17.94	31.67	17.20	31.86	5	V
93	10680	4118.1	7124.2	2	10	2024	17:56	35	18.26	31.70	18.00	31.69	4	W
94	10738	4123.0	7114.9	2	10	2024	20:21	28	18.09	31.64	17.89	31.64	3	V
95	10820	4123.8	7109.7	2	10	2024	21:59	24	18.12	31.60	17.98	31.60	5	V
96	10852	4118.3	7059.8	3	10	2024	0:14	35	17.97	31.64	17.48	31.96	4	V
97	10950	4120.0	7055.8	3	10	2024	1:53	32	18.01	31.57	17.62	31.70	2	V

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Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
44	10872	4115.0	7046.4	3	10	2024	4:47	25	17.89	31.56	17.82	31.72	5	B
98	10894	4109.8	7040.2	3	10	2024	7:11	35	17.29	31.81	17.31	32.09	2	V
45	10824	4113.5	7030.9	3	10	2024	12:58	35	17.64	31.58	17.00	32.08	8	B
99	10698	4106.2	7012.7	3	10	2024	15:12	26	17.06	31.60	17.06	31.70	6	V
100	10750	4053.1	7004.0	3	10	2024	17:22	26	15.83	31.53	15.58	31.53	3	V
46	11005	4052.4	6944.6	3	10	2024	21:39	29	15.20	31.55	15.22	31.56	5	B
47	10995	4043.1	6957.0	4	10	2024	0:18	44	17.12	31.65	16.23	31.95	5	W
48	10706	4045.3	7023.5	4	10	2024	3:29	50	17.05	32.01	16.62	32.74	7	B
49	10869	4038.4	7049.1	4	10	2024	6:34	66	17.63	32.56	13.90	33.00	10	B
101	10962	4035.1	7101.9	4	10	2024	8:55	71	17.45	32.48	13.61	32.86	7	W
102	10823	4043.9	7105.0	4	10	2024	10:48	59	17.37	32.32	16.93	32.70	9	V
50	10779	4045.9	7118.5	4	10	2024	13:23	60	18.27	32.84	17.45	33.06	9	B
51	10949	4057.3	7121.9	4	10	2024	15:24	52	18.24	32.71	18.07	33.11	6	B
52	10747	4056.6	7126.3	4	10	2024	21:38	57	18.73	32.74	14.11	32.55	3	B
53	10813	4028.5	7127.0	5	10	2024	1:20	72	23.55	35.11	12.88	33.10	4	B
103	10903	4021.8	7124.9	5	10	2024	3:46	78	23.39	35.13	12.97	33.50	7	V
54	10904	4012.6	7134.2	5	10	2024	5:44	86	20.84	34.05	14.24	35.19	8	B
55	10754	3958.0	7203.6	5	10	2024	10:25	82	22.13	34.69	14.06	34.29	6	B
56	10818	3959.6	7229.2	5	10	2024	13:51	69	19.05	33.19	12.53	32.51	6	B
57	10726	4012.7	7229.9	5	10	2024	15:59	63	18.88	32.66	13.34	32.71	4	W
104	10989	4007.8	7236.6	5	10	2024	17:56	57	18.87	32.52	11.84	32.12	3	V
105	10796	3951.0	7242.4	5	10	2024	20:34	59	20.16	33.84	13.89	32.87	5	V
58	10737	3938.6	7251.9	5	10	2024	23:47	66	19.24	33.19	12.44	32.57	5	B
59	10702	3933.4	7306.1	6	10	2024	2:21	46	19.89	33.70	17.37	33.45	4	B
60	10873	3922.1	7304.4	6	10	2024	4:49	65	20.67	34.10	12.73	32.69	5	B
106	10770	3910.8	7237.2	6	10	2024	8:36	148	21.78	34.50	13.59	35.65	6	V
107	10963	3916.9	7219.3	6	10	2024	11:42	268	22.62	34.62	10.56	35.35	3	W
108	10983	3921.8	7224.8	6	10	2024	13:56	140	22.25	34.51	13.77	35.63	4	V

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Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
61	10926	3928.3	7220.4	6	10	2024	16:01	152	22.53	34.58	13.19	35.47	7	B
62	11011	3933.0	7233.8	6	10	2024	18:35	86	20.50	34.06	13.22	34.10	5	W
63	10925	3940.4	7231.1	6	10	2024	21:33	80	21.83	34.48	13.08	35.08	5	B
109	10923	3938.8	7218.0	6	10	2024	22:49	116	22.74	34.65	13.05	35.25	3	V
110	10755	3930.7	7212.9	7	10	2024	1:09	210	25.23	35.46	14.26	35.86	16	V
111	10778	3948.6	7148.2	7	10	2024	5:00	241	23.64	34.57	13.59	35.77	4	V
64	10927	3956.0	7135.3	7	10	2024	7:47	134	24.02	35.11	17.31	36.18	7	B
112	10727	3956.2	7129.1	7	10	2024	10:45	197	25.08	35.61	14.81	35.90	4	W
113	10825	4000.0	7106.1	7	10	2024	14:22	294	24.78	35.93	9.36	35.23	3	V
114	10885	4008.2	7105.7	7	10	2024	16:57	150	25.03	35.77	14.79	35.80	4	V
115	10853	4014.2	7049.7	7	10	2024	19:38	124	24.71	35.72	13.72	35.35	5	V
65	10660	4023.3	7031.6	7	10	2024	22:35	85	19.19	33.27	13.49	33.99	7	B
116	10671	4004.4	7043.9	8	10	2024	2:21	197	25.26	36.15	14.27	35.47	62	V
117	10647	4000.3	7031.4	8	10	2024	4:54	332	24.81	35.74	9.05	35.19	2	V
118	10643	3959.3	7027.7	8	10	2024	7:52	387	17.56	32.55	8.30	35.13	11	V
119	10978	4001.8	7018.0	8	10	2024	10:13	220	19.41	33.40	12.56	35.62	4	V
120	10945	4010.1	7019.9	8	10	2024	12:33	117	17.91	32.14	14.24	35.58	7	V
121	10674	4011.0	7003.8	8	10	2024	14:45	103	22.14	34.76	14.31	35.11	5	V
122	11004	3959.0	6937.8	8	10	2024	17:56	187	21.22	34.09	12.62	35.62	3	V
123	10940	3959.5	6919.7	8	10	2024	21:37	119	17.92	32.19	12.41	34.67	4	V
124	10641	4000.9	6907.5	9	10	2024	0:06	267	17.32	31.99	9.35	34.86	8	V
66	10861	4004.0	6910.6	9	10	2024	2:18	145	17.06	31.92	12.02	35.11	7	B
67	10701	4007.4	6918.6	9	10	2024	4:13	96	17.18	31.96	11.84	33.66	6	W
68	10642	4011.6	6918.2	9	10	2024	5:42	93	17.16	31.97	9.97	33.13	5	B
125	10859	4032.1	6926.9	9	10	2024	9:13	58	17.65	32.03	12.92	32.22	6	V
69	10960	4029.1	6857.9	9	10	2024	12:24	76	16.37	31.89	11.72	32.31	6	B
70	10934	4030.9	6854.2	9	10	2024	15:16	73	16.38	31.87	11.63	32.30	6	B
71	10972	4015.2	6835.0	9	10	2024	18:40	143	17.54	32.31	8.09	33.91	6	B

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#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
126	10792	4022.2	6804.0	9	10	2024	22:26	150	16.78	32.22	8.26	34.20	4	V
127	10906	4023.0	6759.5	10	10	2024	0:13	144	17.42	32.28	7.68	34.08	5	V
128	10951	4018.7	6754.8	10	10	2024	2:32	230	17.31	32.22	8.41	34.74	6	V
129	10709	4021.1	6744.6	10	10	2024	7:58	216	17.75	32.26	8.81	34.78	4	V
72	10699	4035.8	6744.0	10	10	2024	12:34	89	17.56	32.04	8.07	32.85	7	B
130	10993	4029.4	6720.6	10	10	2024	15:35	162	17.77	32.24	7.49	34.06	6	W
131	10893	4035.7	6725.4	10	10	2024	17:14	103	17.57	32.10	6.85	33.31	4	V
73	10677	4053.5	6707.0	10	10	2024	20:16	87	17.08	32.07	7.48	32.75	5	B
132	11001	4051.7	6656.2	10	10	2024	22:27	94	16.07	31.79	6.74	33.04	7	V
74	10878	4042.6	6652.1	11	10	2024	1:10	190	17.85	32.24	8.56	34.53	7	B
75	10759	4049.1	6642.5	11	10	2024	4:01	183	17.39	32.16	8.62	34.81	6	B
133	10898	4057.0	6644.4	11	10	2024	7:19	92	16.94	32.12	6.90	32.93	5	V
134	10790	4058.7	6632.2	11	10	2024	9:54	115	17.83	32.30	8.16	34.33	7	V
135	10662	4105.5	6620.3	11	10	2024	13:46	403	16.44	31.91	6.27	34.93	2	V
76	10679	4109.5	6620.3	11	10	2024	17:24	140	15.63	31.71	8.06	34.30	6	B
136	10936	4110.0	6642.7	11	10	2024	21:52	78	15.74	31.87	8.96	32.49	2	V
77	10994	4116.7	6650.8	11	10	2024	23:32	72	16.06	31.88	11.24	32.27	6	B
78	10881	4106.3	6653.9	12	10	2024	1:49	72	16.05	31.02	9.64	32.43	7	W
79	10864	4111.7	6701.2	12	10	2024	4:10	67	14.96	32.01	10.95	32.30	6	B
137	10774	4109.3	6715.5	12	10	2024	7:11	58	14.12	32.05	11.84	32.23	7	V
138	10715	4108.2	6718.7	12	10	2024	9:02	59	14.04	32.06	11.26	32.27	7	W
80	10676	4055.5	6743.6	12	10	2024	12:56	63	14.82	32.00	12.53	32.20	4	B
81	10700	4057.5	6747.4	12	10	2024	14:21	58	15.32	31.95	13.54	32.11	6	B
82	10907	4057.9	6751.4	12	10	2024	16:19	56	15.75	31.92	13.97	32.08	6	B
83	10846	4114.3	6815.1	12	10	2024	21:08	48	16.65	31.71	16.64	31.73	4	B
139	10941	4100.9	6823.6	13	10	2024	0:33	48	16.56	31.81	16.57	31.81	4	W
84	10653	4101.7	6830.1	13	10	2024	2:15	60	16.40	31.78	16.39	31.79	5	B
85	10899	4051.7	6839.1	13	10	2024	4:34	59	15.91	31.91	15.83	31.94	5	B

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#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
140	10789	4040.9	6844.1	13	10	2024	7:17	66	16.08	31.90	12.32	32.25	8	V
141	11015	4043.6	6858.9	13	10	2024	9:50	67	16.05	31.93	11.28	32.42	7	V
86	10957	4053.5	6904.6	13	10	2024	12:18	80	14.84	31.80	12.56	32.24	6	B
87	10958	4052.9	6851.0	13	10	2024	14:25	67	16.18	31.91	15.42	31.96	6	B
88	10718	4055.4	6846.9	13	10	2024	18:46	70	16.30	31.93	15.41	31.97	7	B
89	10734	4103.2	6847.4	13	10	2024	22:03	68	15.62	31.96	15.38	31.97	5	W
142	10743	4109.0	6849.1	13	10	2024	22:54	85	15.23	31.99	13.89	32.06	6	V
143	10938	4114.5	6852.0	14	10	2024	1:55	99	15.33	31.78	8.88	32.45	6	V
144	10964	4103.3	6900.4	14	10	2024	4:52	87	15.41	31.96	10.67	32.26	3	V
145	10937	4108.1	6913.6	14	10	2024	7:08	56	15.85	31.66	9.61	32.37	6	V
146	10751	4129.1	6932.6	14	10	2024	12:15	35	14.74	31.76	14.74	31.78	6	V
147	11145	4122.7	6927.7	14	10	2024	13:57	34	14.88	31.73	14.67	31.76	6	V
148	10765	4128.6	6925.0	14	10	2024	18:06	51	15.68	31.82	10.11	32.29	4	W
149	10999	4137.1	6941.4	14	10	2024	23:23	47	15.00	31.81	11.39	32.02	3	V
150	10729	4141.7	6938.0	15	10	2024	2:23	118	15.23	31.82	7.47	33.06	4	V
151	10916	4144.7	6944.4	15	10	2024	4:34	100	15.23	31.82	8.04	32.74	7	V
90	10786	4146.7	6952.9	15	10	2024	6:37	26	14.51	31.69	14.05	31.76	5	B
91	10988	4155.0	6956.0	15	10	2024	11:33	25	14.51	31.53	14.52	31.66	6	W
152	11278	4151.2	6951.3	15	10	2024	13:10	58	14.39	31.73	11.06	32.11	9	V
92	10720	4151.0	6918.0	15	10	2024	16:36	195	15.44	31.73	7.71	34.00	6	B
153	10744	4145.4	6902.9	15	10	2024	19:53	173	15.51	31.81	7.34	33.55	6	V
154	10793	4137.6	6912.8	15	10	2024	22:32	180	15.35	31.79	7.36	33.56	5	V
155	10785	4137.7	6828.5	16	10	2024	3:53	105	15.16	31.82	7.48	32.75	6	V
156	10772	4130.1	6819.2	16	10	2024	5:48	52	15.41	31.94	15.42	31.94	6	V
93	10681	4136.7	6745.1	17	10	2024	1:47	36	15.77	31.82	15.76	31.82	5	B
94	10910	4123.1	6725.9	17	10	2024	5:29	42	16.02	31.87	16.05	31.87	8	B
95	10705	4117.4	6727.5	17	10	2024	7:02	44	16.21	31.86	16.23	31.86	6	B
96	10910	4123.1	6727.2	17	10	2024	9:57	44	15.73	31.88	15.74	31.87	6	B

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#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
157	10850	4152.6	6745.3	17	10	2024	12:39	37	14.84	31.90	14.85	31.90	6	W
97	10761	4151.9	6748.2	17	10	2024	13:54	41	14.68	31.90	14.67	31.90	6	B
158	11174	4150.8	6754.3	17	10	2024	15:09	51	14.78	31.92	14.71	31.92	6	V
159	10689	4155.4	6807.3	17	10	2024	18:21	193	14.88	31.80	8.27	34.70	6	V
160	10868	4200.8	6746.1	17	10	2024	21:46	104	14.48	31.90	7.46	32.77	4	V
98	10979	4201.5	6732.4	18	10	2024	0:39	51	14.79	31.92	14.69	31.93	7	B
99	10821	4206.3	6730.2	18	10	2024	3:12	160	14.17	31.95	8.01	34.80	5	B
161	10807	4233.8	6757.0	18	10	2024	9:40	201	13.86	31.90	8.46	34.65	7	V
162	10942	4222.1	6819.3	18	10	2024	13:23	206	13.86	31.89	8.17	34.61	8	V
163	10693	4223.3	6822.5	18	10	2024	17:12	208	13.89	31.94	8.20	34.66	4	V
164	10953	4235.0	6834.3	18	10	2024	20:42	206	14.32	31.99	8.20	34.36	4	V
165	11031	4244.6	6826.5	19	10	2024	1:33	178	13.36	32.15	8.13	34.22	3	V
100	10987	4308.2	6830.1	19	10	2024	5:34	202	12.78	32.24	7.92	33.95	5	B
166	10811	4324.8	6825.9	19	10	2024	10:05	180	13.49	32.09	7.86	33.97	3	V
167	10948	4334.5	6806.4	19	10	2024	12:46	197	12.45	32.26	8.16	34.20	6	V
101	10961	4342.5	6825.0	19	10	2024	15:50	189	12.18	32.04	7.74	33.87	5	B
102	10867	4343.4	6831.5	19	10	2024	18:55	135	12.24	32.02	8.31	33.51	4	W
168	10791	4314.7	6839.6	19	10	2024	23:01	168	12.26	32.18	7.86	33.85	5	V
169	10739	4313.5	6849.1	20	10	2024	1:49	172	11.98	32.23	7.95	33.66	6	V
103	10780	4312.0	6906.1	20	10	2024	4:52	177	12.46	32.27	7.35	33.44	5	B
170	10670	4305.0	6854.3	20	10	2024	7:23	180	13.24	32.16	7.92	33.91	4	V
171	10996	4257.8	6902.5	20	10	2024	11:32	184	13.85	32.08	7.60	33.65	8	W
172	10721	4235.5	6908.9	20	10	2024	15:36	205	13.92	32.05	7.80	34.06	3	V
173	10828	4227.4	6858.4	20	10	2024	18:23	227	14.74	31.86	7.98	34.17	6	V
104	10970	4217.2	6849.2	20	10	2024	20:47	183	14.88	31.84	7.55	33.75	5	B
105	10719	4210.9	6846.1	21	10	2024	0:15	203	14.66	31.85	7.63	33.81	8	B
106	10952	4157.8	6844.6	21	10	2024	3:57	141	14.24	31.87	7.24	33.45	2	B
174	10917	4202.4	6859.3	21	10	2024	7:13	136	14.10	31.89	7.06	33.29	6	V

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Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
175	10882	4207.1	6911.0	21	10	2024	9:41	191	14.51	31.87	7.57	33.79	7	W
107	10767	4209.3	6915.2	21	10	2024	11:41	191	14.59	31.79	7.64	33.86	4	B
176	10887	4220.5	6920.3	21	10	2024	14:21	230	14.28	31.94	7.99	34.33	5	V
108	10911	4224.5	6755.5	29	10	2024	11:41	182	13.55	31.95	8.28	34.54	4	B
109	10691	4211.5	6747.6	29	10	2024	14:29	222	13.61	31.95	7.91	34.59	4	W
177	10728	4212.1	6741.9	29	10	2024	17:14	195	13.59	31.99	7.96	34.70	2	V
178	10644	4202.6	6715.9	29	10	2024	20:13	46	13.71	32.05	12.82	32.14	4	V
110	10974	4207.3	6701.7	29	10	2024	22:22	64	12.84	32.08	9.90	32.35	4	B
179	10784	4208.3	6646.9	30	10	2024	0:34	84	12.08	31.94	8.01	32.74	5	V
111	10990	4153.1	6703.4	30	10	2024	4:12	58	13.65	32.03	13.60	32.04	4	B
180	10838	4146.0	6719.2	30	10	2024	6:03	51	14.10	31.99	14.09	31.99	6	V
181	10812	4130.9	6635.0	30	10	2024	11:44	83	12.47	32.02	10.98	32.36	6	W
112	10829	4136.7	6638.0	30	10	2024	13:46	73	12.14	31.98	12.03	32.18	6	B
113	10819	4135.6	6628.5	30	10	2024	15:22	85	12.30	31.99	9.79	32.59	6	B
114	10652	4123.9	6622.2	30	10	2024	17:59	92	13.75	31.97	8.61	32.93	5	B
182	10956	4117.5	6613.7	30	10	2024	20:38	148	14.40	32.34	7.77	34.06	4	V
115	10973	4140.6	6606.8	31	10	2024	0:48	97	13.61	31.77	7.97	33.09	5	B
116	10685	4142.5	6619.8	31	10	2024	3:39	84	12.15	31.99	9.63	32.60	5	B
117	10657	4149.6	6618.4	31	10	2024	5:52	81	12.54	32.08	10.21	32.41	5	B
118	10982	4154.5	6604.4	31	10	2024	8:03	94	12.34	31.86	7.84	33.05	5	W
183	10901	4153.3	6547.1	31	10	2024	10:47	160	14.09	31.98	7.99	34.64	4	V
184	10764	4150.2	6542.7	31	10	2024	13:07	350	14.11	31.89	6.60	34.85	7	V
185	11163	4156.8	6544.9	31	10	2024	17:36	233	13.78	31.81	7.87	34.67	1	V
186	10895	4200.4	6551.9	31	10	2024	20:02	195	13.92	31.86	7.85	34.69	4	V
119	10855	4210.6	6550.2	31	10	2024	22:15	250	13.52	31.83	7.12	34.72	49	B
120	10855	4210.1	6550.6	31	10	2024	22:42	249	13.59	31.83	5.82	34.86	6	V
187	10649	4218.8	6547.9	1	11	2024	1:40	210	12.69	31.71	6.65	34.79	3	V
121	10797	4218.8	6550.3	1	11	2024	4:11	210	12.50	31.68	6.76	34.76	6	B

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Cast	Site ID	Lat	Long	Day	Mo	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
188	10658	4206.7	6602.1	1	11	2024	7:35	200	12.40	31.81	7.91	34.63	6	V
189	10886	4209.0	6610.9	1	11	2024	10:08	173	12.59	31.78	7.76	34.71	4	V
190	11000	4219.0	6609.3	1	11	2024	12:21	248	12.58	31.92	7.71	34.74	5	V
122	10891	4228.6	6632.4	1	11	2024	16:36	273	12.29	32.09	7.59	34.76	72	B
191	10891	4227.7	6632.8	1	11	2024	17:07	277	12.31	32.10	7.59	34.77	3	W
192	10798	4227.4	6650.0	1	11	2024	21:59	332	12.43	32.02	7.56	34.85	2	V
193	10799	4237.2	6705.1	2	11	2024	0:10	294	12.52	32.16	7.92	34.80	2	V
194	10777	4248.5	6718.5	2	11	2024	3:55	218	12.96	32.00	8.12	34.47	6	V
195	10668	4246.3	6723.8	2	11	2024	6:31	224	13.16	32.00	8.00	34.61	5	V
123	10932	4253.8	6736.6	2	11	2024	9:23	216	13.28	31.98	8.17	34.24	14	B
124	10932	4254.4	6737.0	2	11	2024	9:48	215	13.27	31.98	8.19	34.26	6	V
125	10735	4252.1	6752.2	2	11	2024	13:07	212	13.45	32.01	8.29	34.38	4	W
126	10694	4301.2	6737.0	2	11	2024	16:36	187	13.33	31.99	8.22	34.23	5	B
196	10896	4303.1	6726.5	2	11	2024	19:27	190	13.16	32.01	8.23	34.27	5	V
127	10968	4313.1	6735.2	2	11	2024	22:34	209	13.03	32.01	8.12	34.14	6	B
197	10716	4324.1	6707.5	3	11	2024	2:47	226	11.95	32.26	8.30	34.27	4	V
198	11009	4314.1	6706.7	3	11	2024	5:00	196	12.57	32.14	8.23	34.18	4	V
199	10802	4311.4	6701.7	3	11	2024	7:07	190	12.52	32.10	8.25	34.20	7	V
200	10954	4314.4	6647.2	3	11	2024	9:50	146	10.94	32.51	8.33	33.73	7	W
128	10876	4309.8	6637.8	3	11	2024	12:49	122	9.96	32.71	9.15	33.26	7	B
201	10722	4323.6	6642.0	3	11	2024	15:29	131	11.19	32.43	8.55	33.56	5	V
202	10762	4334.7	6707.1	3	11	2024	19:21	218	11.42	32.34	8.30	34.24	6	V
129	10808	4353.9	6710.9	3	11	2024	23:10	141	10.47	32.66	8.57	33.89	5	B
203	10943	4354.9	6705.4	4	11	2024	1:21	159	10.70	32.55	8.63	33.86	4	V
204	10692	4357.0	6657.9	4	11	2024	3:36	164	10.48	32.60	8.18	33.96	4	V
205	10650	4406.2	6701.4	4	11	2024	5:57	155	10.09	32.85	8.99	33.64	5	V
206	10847	4407.0	6652.8	4	11	2024	7:59	171	10.74	32.50	8.25	33.93	5	V
130	10711	4418.2	6656.2	4	11	2024	10:45	163	10.24	32.62	8.67	33.76	6	B

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#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
131	10809	4422.7	6711.2	4	11	2024	14:26	134	10.44	32.39	8.73	33.83	6	W
207	10805	4415.3	6739.2	4	11	2024	18:48	107	10.43	32.81	9.79	33.24	3	V
208	10703	4414.0	6741.0	4	11	2024	21:17	110	10.37	32.81	9.82	33.22	5	V
209	10656	4406.2	6752.8	5	11	2024	0:09	110	10.22	32.85	9.78	33.22	3	V
132	10787	4401.1	6810.1	5	11	2024	7:32	105	10.63	32.64	9.39	33.28	5	B
133	10787	4401.6	6810.0	5	11	2024	8:26	122	10.65	32.61	8.84	33.51	7	B
210	10857	4351.3	6747.6	5	11	2024	12:31	210	10.95	32.46	8.28	34.25	6	V
211	11120	4352.9	6825.0	5	11	2024	17:11	118	10.93	32.47	9.22	33.40	5	V
212	11025	4339.8	6853.2	6	11	2024	2:43	112	11.22	32.47	9.21	33.14	4	V
213	10781	4346.9	6912.7	6	11	2024	7:02	66	11.02	32.41	10.46	32.81	6	W
134	10654	4343.9	6930.4	6	11	2024	11:34	106	10.97	32.11	9.10	33.13	5	B
214	10672	4325.6	6923.5	6	11	2024	15:57	163	11.80	32.32	7.44	33.42	8	V
135	10931	4329.1	6945.6	6	11	2024	19:26	132	11.70	32.33	8.21	33.27	4	B
136	10740	4318.5	6942.0	6	11	2024	21:48	159	11.61	32.32	7.50	33.65	4	W
215	10826	4315.9	6921.1	7	11	2024	1:51	172	12.01	32.33	7.50	33.43	5	V
216	10930	4307.7	6928.1	7	11	2024	4:35	143	11.76	32.36	7.56	33.33	6	V
217	10710	4258.9	7003.9	7	11	2024	8:41	108	11.80	32.25	8.00	33.01	5	V
218	10664	4300.9	7018.7	7	11	2024	11:03	140	12.19	32.19	8.06	33.21	5	V
219	10663	4254.3	7020.1	7	11	2024	13:17	157	12.16	32.20	7.90	33.16	5	V
220	10969	4248.5	7037.8	7	11	2024	16:29	81	12.08	32.08	8.27	32.67	3	V
221	11014	4242.1	7032.6	7	11	2024	19:36	81	12.22	32.13	7.86	32.61	3	V
222	10822	4234.9	7033.6	7	11	2024	22:57	63	12.24	32.15	10.55	32.63	6	V
223	10928	4234.9	7036.5	8	11	2024	2:13	45	11.94	32.16	10.43	32.59	3	V
224	10832	4236.1	7022.8	8	11	2024	5:30	95	12.17	32.17	9.60	32.88	6	V
225	10965	4239.4	7009.7	8	11	2024	8:53	102	11.82	32.24	8.90	33.07	5	W
137	10834	4246.1	7007.5	8	11	2024	11:36	125	11.63	32.24	8.38	33.14	6	B
226	10908	4235.2	6955.9	8	11	2024	13:44	172	11.68	32.23	7.60	33.78	6	V
227	10887	4220.3	6920.7	8	11	2024	17:53	229	13.19	32.00	7.89	34.13	5	V

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#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (° C)	Salt	Temp (° C)	Salt	Bottom	Deployment
228	10725	4216.0	6953.5	8	11	2024	22:55	184	12.33	32.27	7.65	33.89	8	V
229	10827	4210.3	7016.1	9	11	2024	1:28	25	12.81	31.87	12.35	32.01	3	V
230	10682	4222.5	7049.1	9	11	2024	6:39	27	11.85	32.02	11.56	32.12	6	V
231	10800	4217.4	7038.5	9	11	2024	11:21	48	11.89	31.97	10.61	32.20	5	V
232	10866	4215.7	7039.8	9	11	2024	13:37	30	11.87	31.96	11.88	31.96	6	V
233	10865	4213.9	7035.3	9	11	2024	15:18	28	12.18	31.96	12.08	31.97	6	V
234	10865	4214.1	7036.0	9	11	2024	20:09	33	12.13	31.98	12.06	31.98	6	V
235	10900	4211.7	7028.4	9	11	2024	21:08	63	12.24	32.01	10.94	32.41	4	V
236	11318	4212.0	7034.5	9	11	2024	23:55	45	12.13	31.98	10.68	32.16	5	V
237	10756	4158.8	7031.7	10	11	2024	5:32	36	11.75	31.99	11.73	32.00	6	V
138	10746	4150.7	7025.3	10	11	2024	8:44	27	12.28	31.78	12.04	31.90	6	B
139	10717	4148.6	7020.0	10	11	2024	10:33	26	12.59	31.72	12.60	31.77	4	W
238	10665	4153.2	7010.9	10	11	2024	12:41	24	12.96	31.60	13.00	31.71	6	V
239	10863	4157.8	7015.7	10	11	2024	14:19	38	12.65	31.77	12.63	31.77	6	V
240	10981	4159.4	7011.2	10	11	2024	15:45	32	12.74	31.75	12.60	31.80	6	V
241	10816	4200.8	7015.9	10	11	2024	17:26	48	12.56	31.79	12.26	31.98	5	V
242	11332	4203.8	7003.1	10	11	2024	20:49	28	11.69	32.17	11.59	32.21	4	V
243	10803	4204.1	7001.6	10	11	2024	22:56	38	11.64	32.18	11.47	32.28	5	V
244	10769	4207.4	7003.3	11	11	2024	1:21	52	11.47	32.32	9.74	32.70	5	W
140	10959	4209.2	7002.1	11	11	2024	2:57	88	11.44	32.41	8.08	33.12	5	B
141	10730	4221.9	7015.7	11	11	2024	6:08	42	11.41	32.24	11.18	32.33	3	W
245	10947	4217.9	7021.7	11	11	2024	10:44	86	12.00	32.01	10.40	32.38	5	V
246	11152	4216.8	7026.2	11	11	2024	12:34	84	12.11	32.02	10.26	32.52	7	V

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

Records in bold are collected with an SBE911+ CTD