

Oceans and Climate Branch CTD Data Report
CTD_REPORT_2024003HB

**For further information, contact Tamara Holzwarth-Davis
National Marine Fisheries Service, Northeast Fisheries Science
Center, Woods Hole, Massachusetts 02543-1097.**

DATE: 7 November 2024

Oceans and Climate Branch CTD Data Report

CTD_REPORT_2024003HB

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

HB 2403
Spring ECOMON Survey
Data Coverage: May 26 - June 14, 2024
Mid Atlantic Bight, Georges Bank, Gulf of Maine

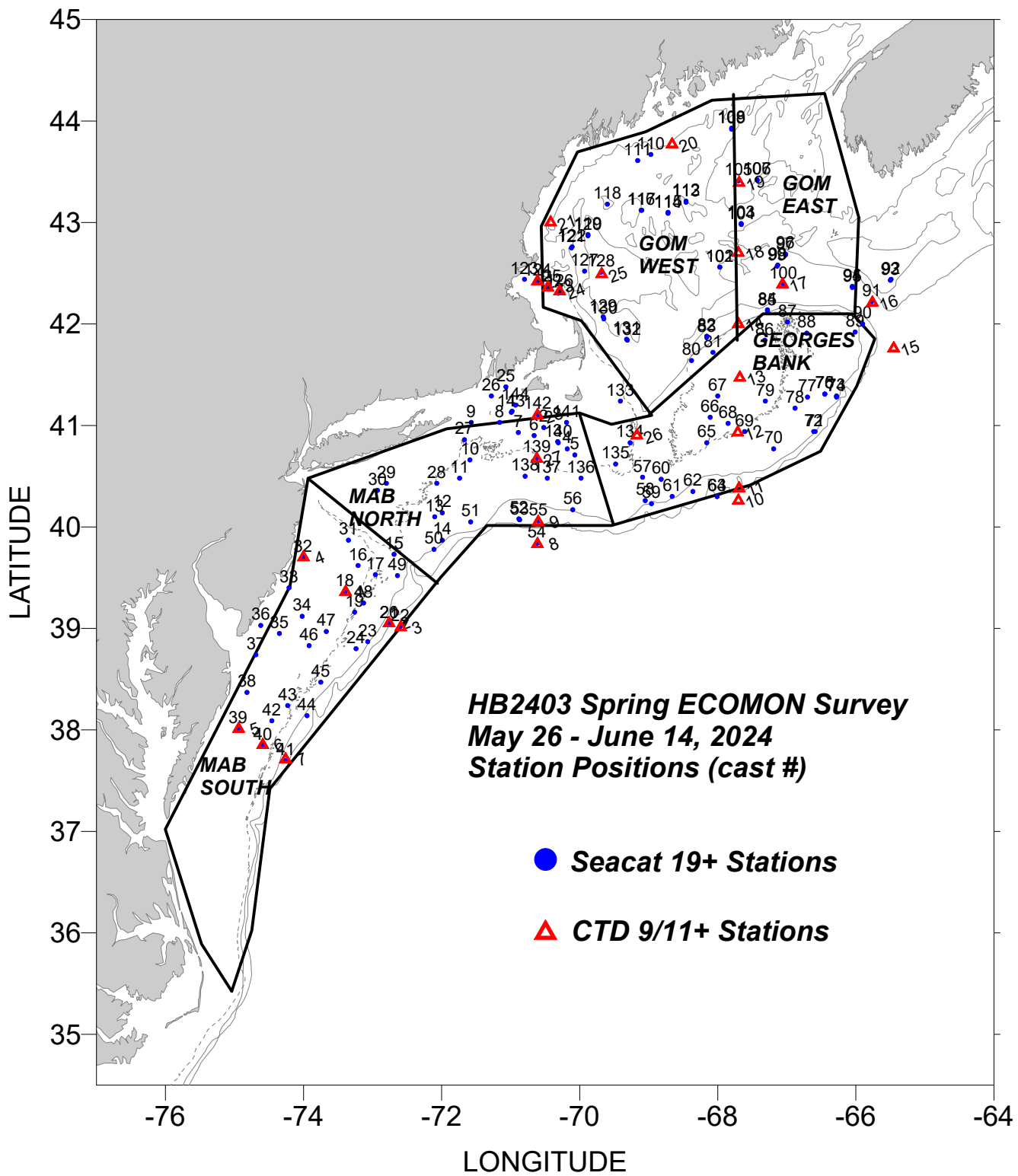
This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's HB2403 Spring ECOMON Survey aboard the NOAA FSV *Bigelow*. Data was obtained with a Sea-Bird Electronics SBE Model 19+V2 profiling CTD (s/n 6128) during plankton tows and on vertical casts with a SBE Model 9/11+ (s/n 1486). Sea water samples were taken for the purpose of calibrating salinity values.

The SBE19+V2 was successfully deployed on 125 double oblique bongo casts and 19 vertical casts (18 of which were deployed above a ring net). The SBE9/11+ was used successfully on 28 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: November 7, 2024



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
HB2403 Spring ECOMON Survey
May 26 - June 14, 2024**

		SURFACE TEMPERATURE						BOTTOM TEMPERATURE					
Region	CD	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag
WGOM	163	29	14.63	2.99	0.20	1.41	0	26	7.08	1.58	0.18	0.62	0
EGOM	162	22	12.42	2.48	0.20	1.32	0	15	7.99	0.58	0.28	0.49	0
GB	160	35	11.15	0.40	0.26	1.03	0	33	9.20	0.57	0.22	1.19	0
MABN	155	30	15.46	2.80	0.32	1.20	0	30	8.34	0.55	0.33	0.82	0
MABS	153	35	17.37	1.68	1.64	1.61	1	34	9.20	0.30	1.77	1.03	1

		SURFACE SALINITY						BOTTOM SALINITY					
Region	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
WGOM	163	29	31.09	-0.91	0.09	0.54	0	26	33.11	-0.06	0.06	0.38	0
EGOM	162	22	31.45	-0.93	0.10	0.41	0	15	34.12	-0.20	0.07	0.39	0
GB	160	35	31.78	-1.15	0.09	0.32	0	33	32.66	-0.58	0.08	0.73	0
MABN	155	30	31.28	-1.35	0.14	0.36	0	30	32.63	-0.89	0.11	0.42	0
MABS	153	35	30.76	-1.52	0.86	0.94	1	34	32.44	-1.12	0.62	0.53	1

"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;

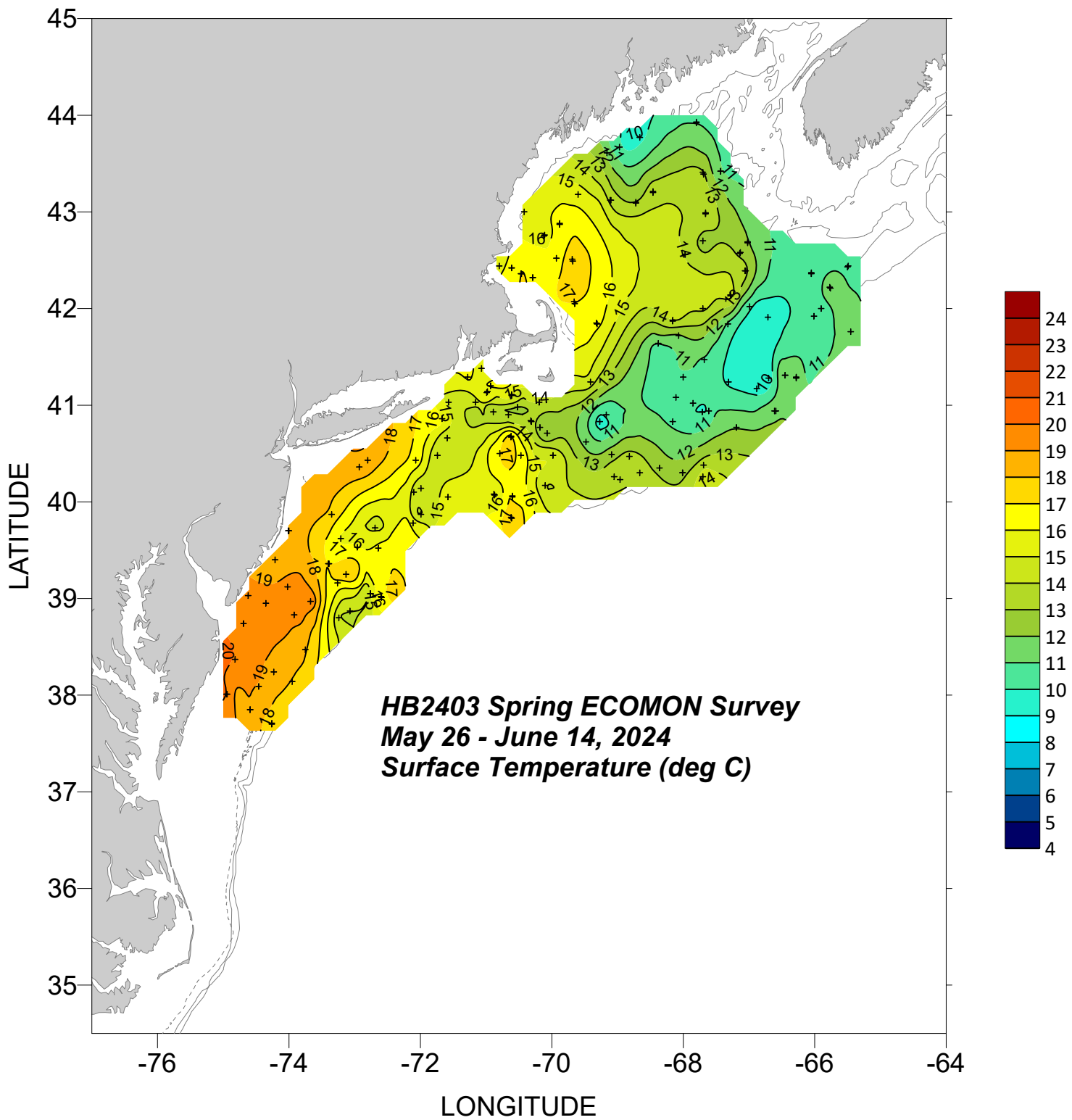
"#obs": the number of observations include in each average;

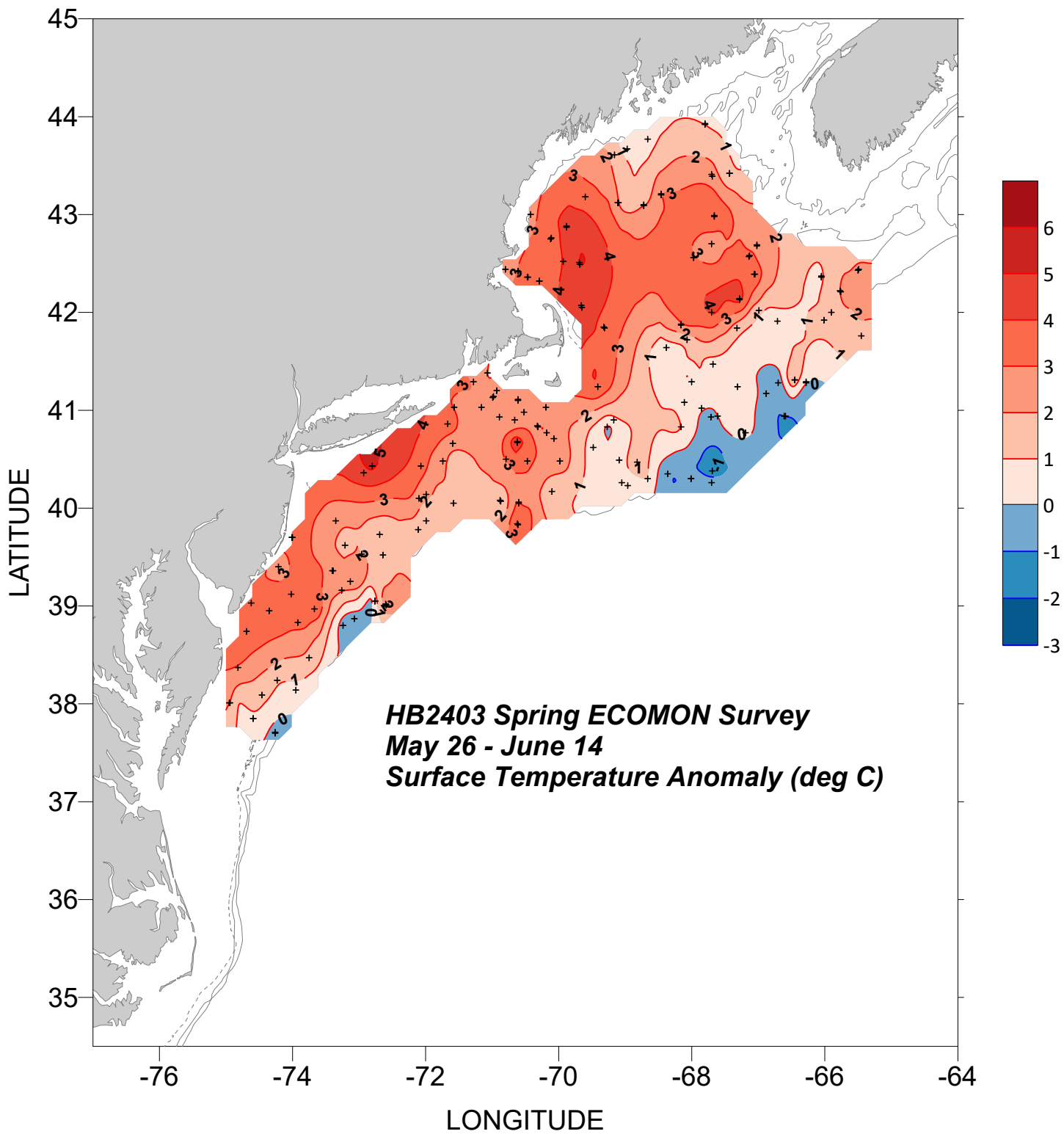
"Temp (°C)" and "Salinity": the areal averaged temperature or salinity; "Anomaly": the areal averaged temp/salt anomaly;

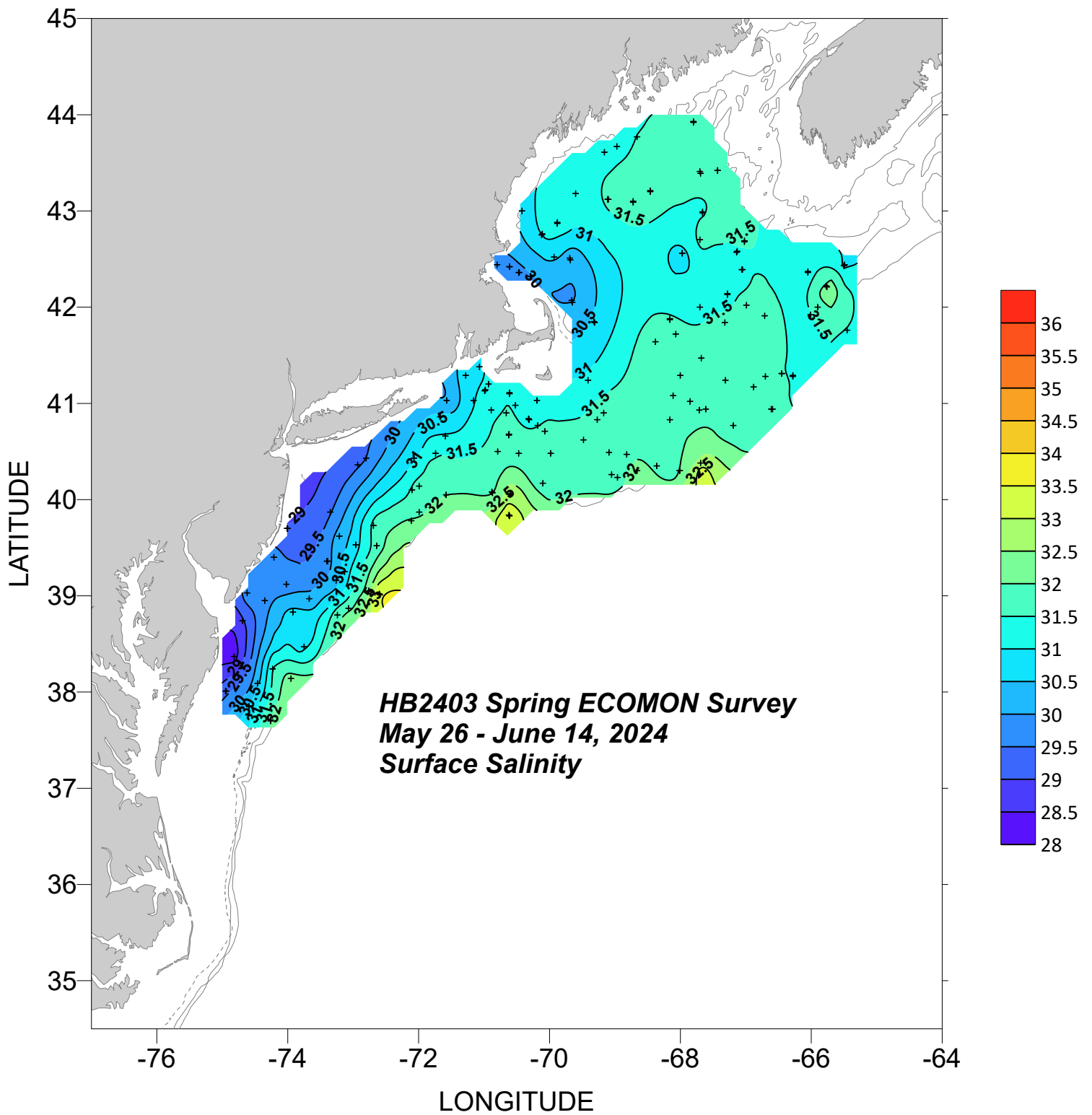
"SDV1": the standard deviation associated with the average temp/salt anomaly;

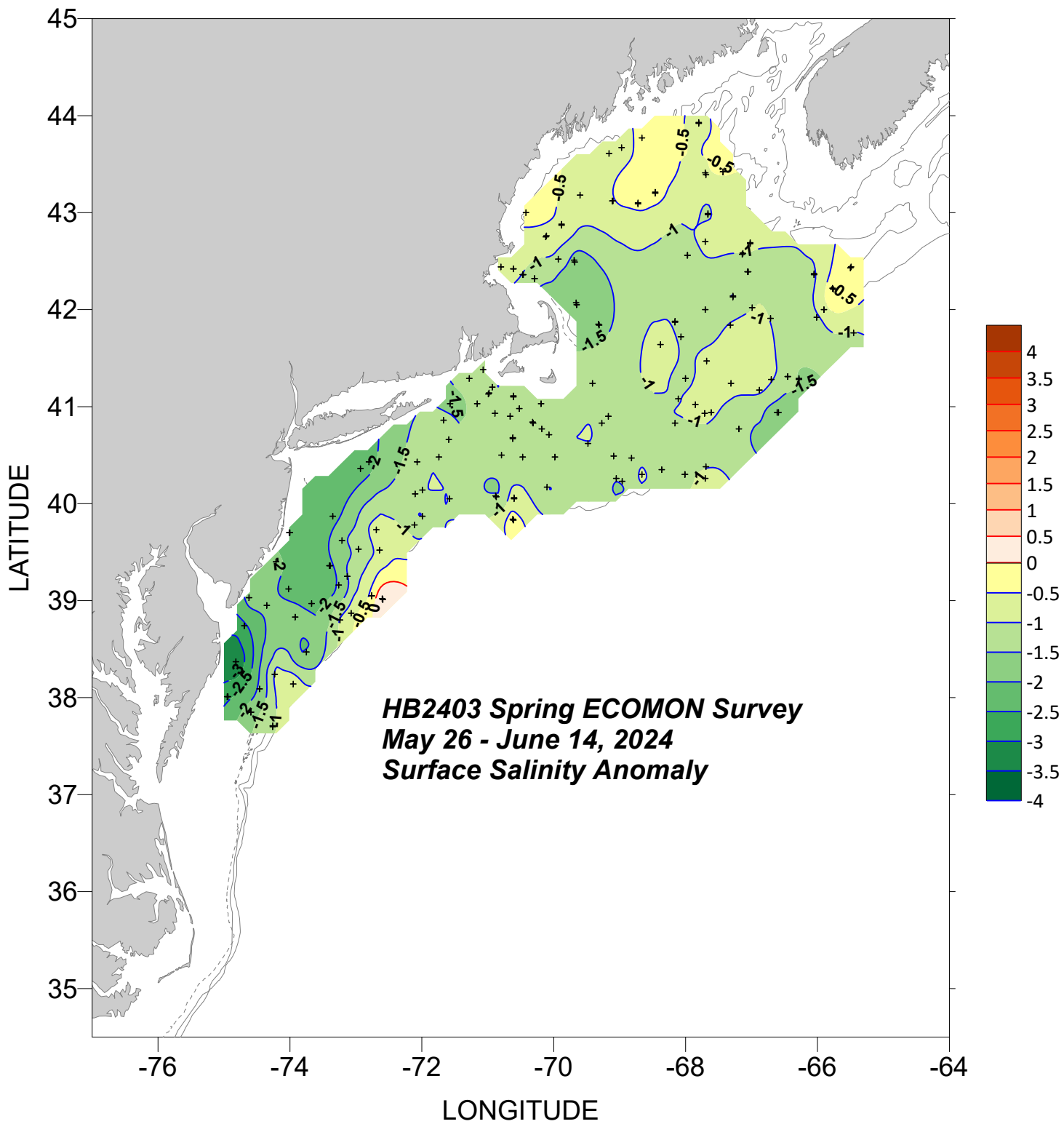
"SDV2": the standard deviation of the individual anomalies from which the average anomaly was derived;

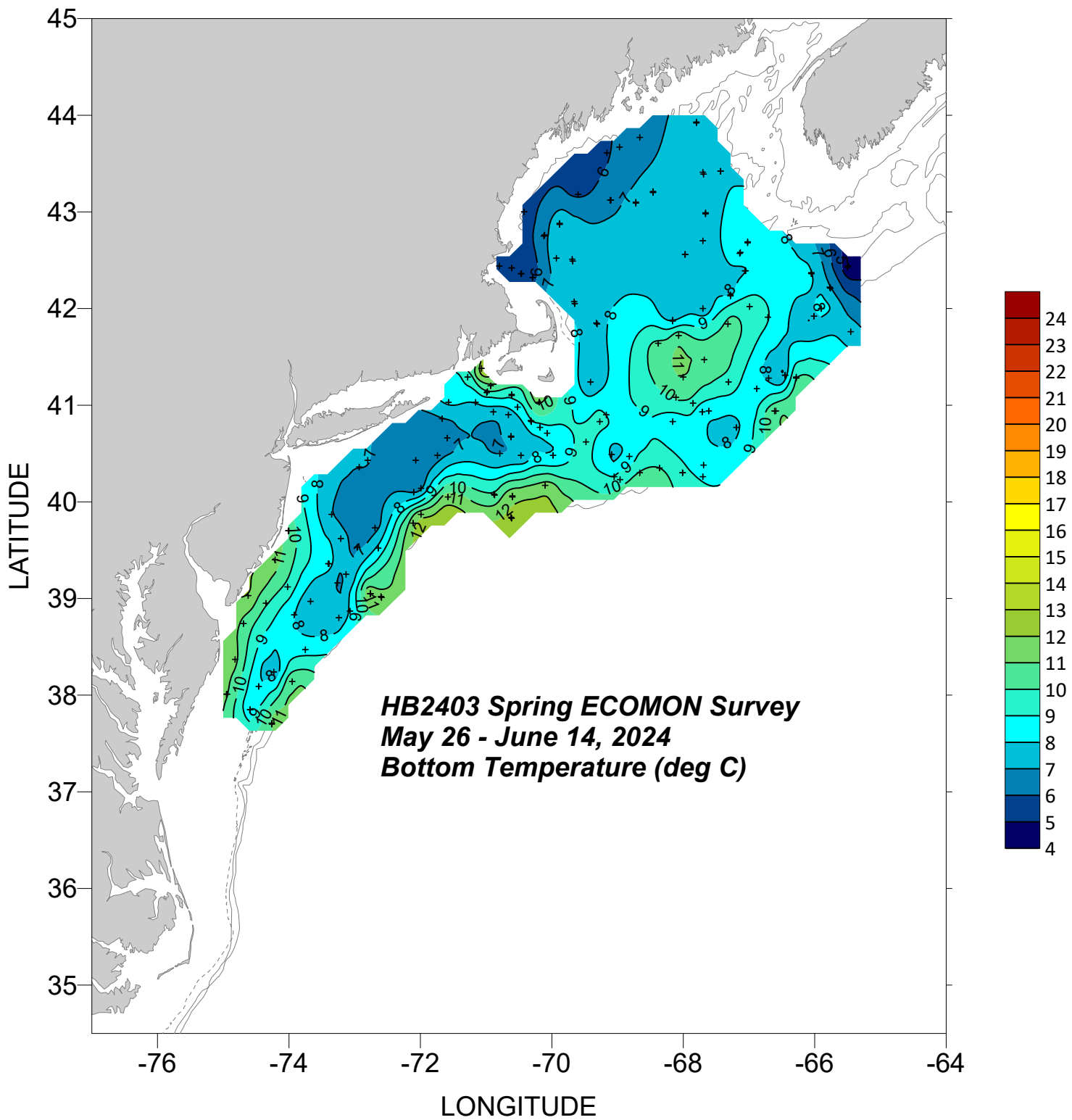
"Flag": a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

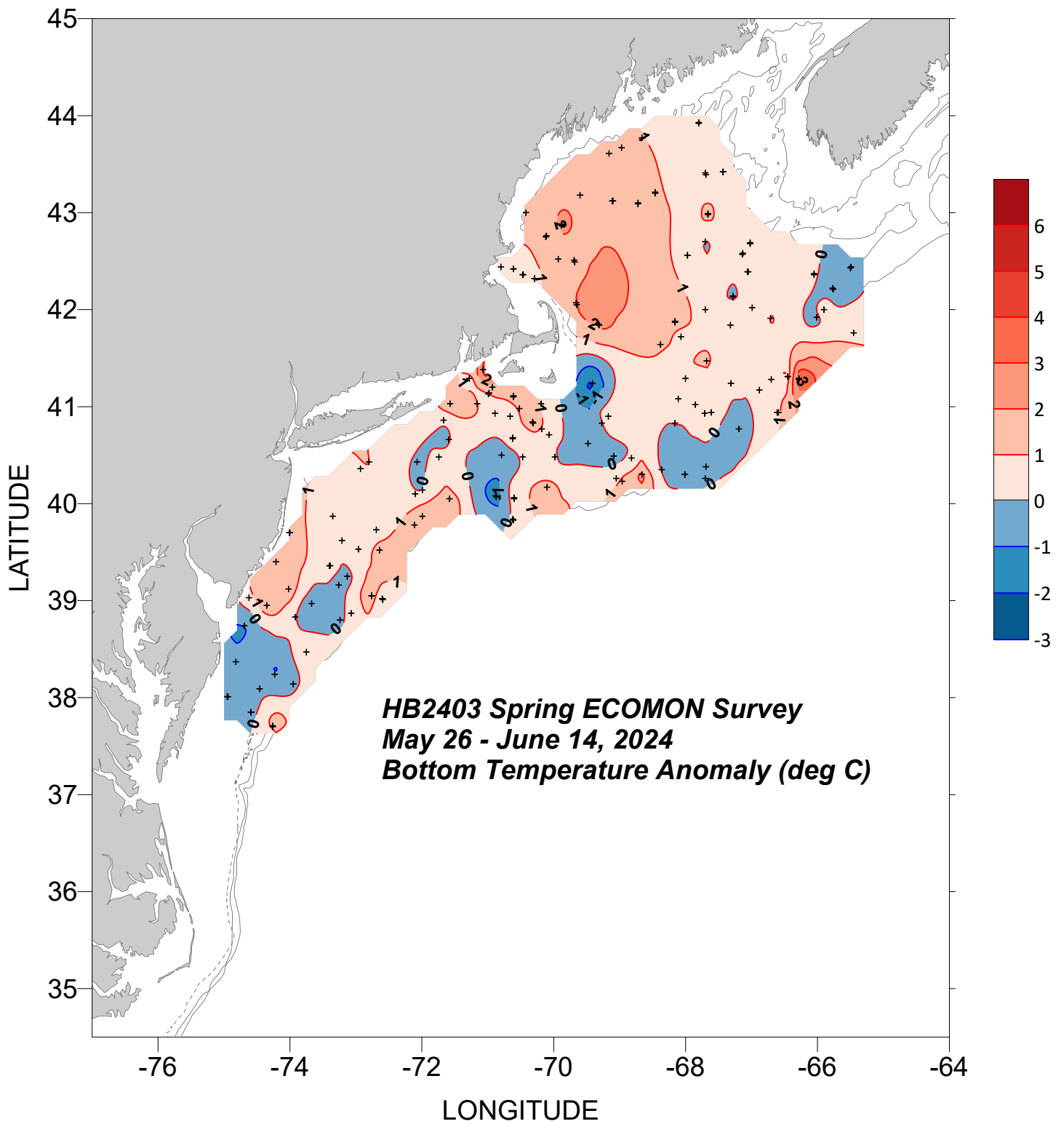


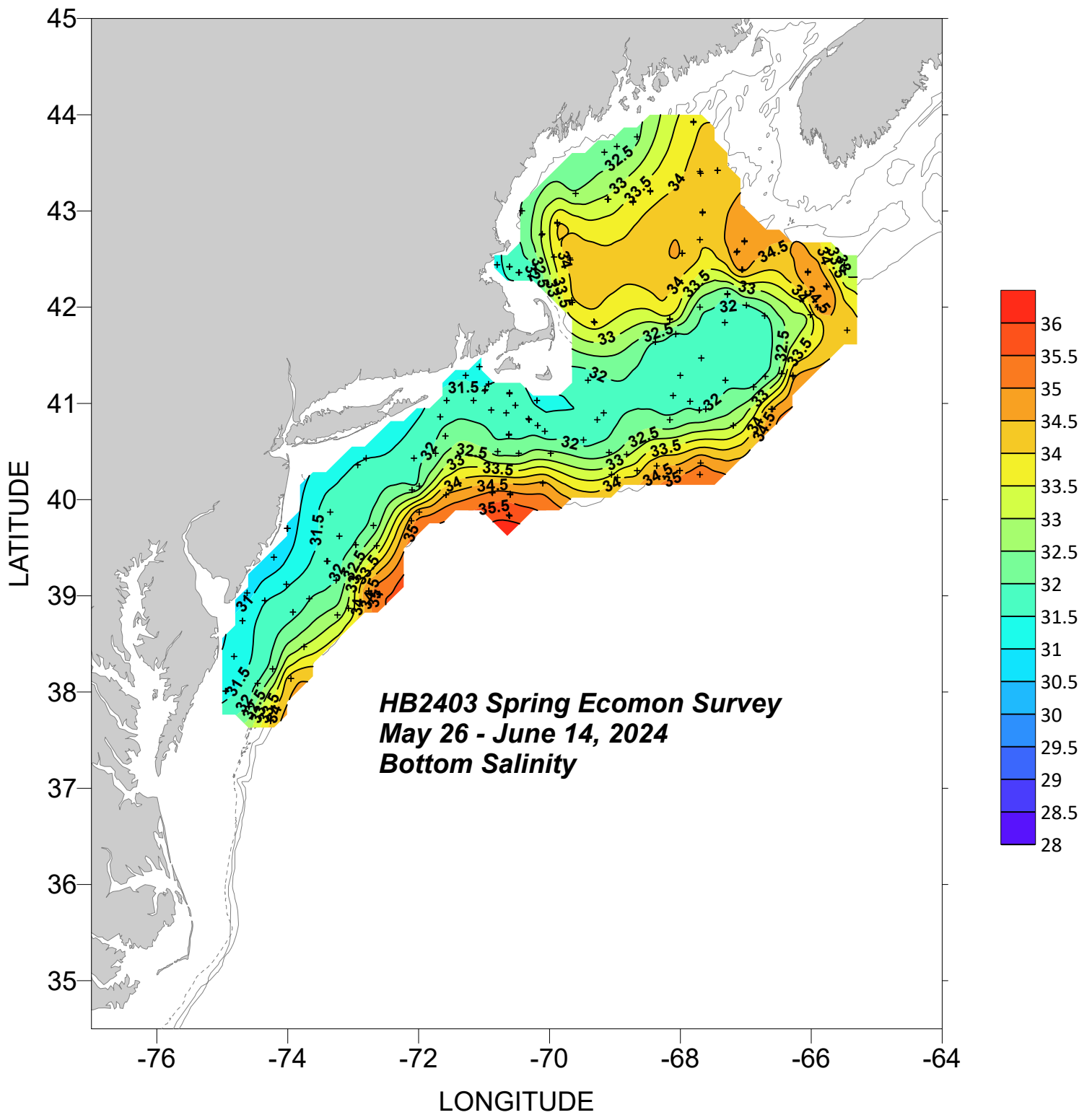


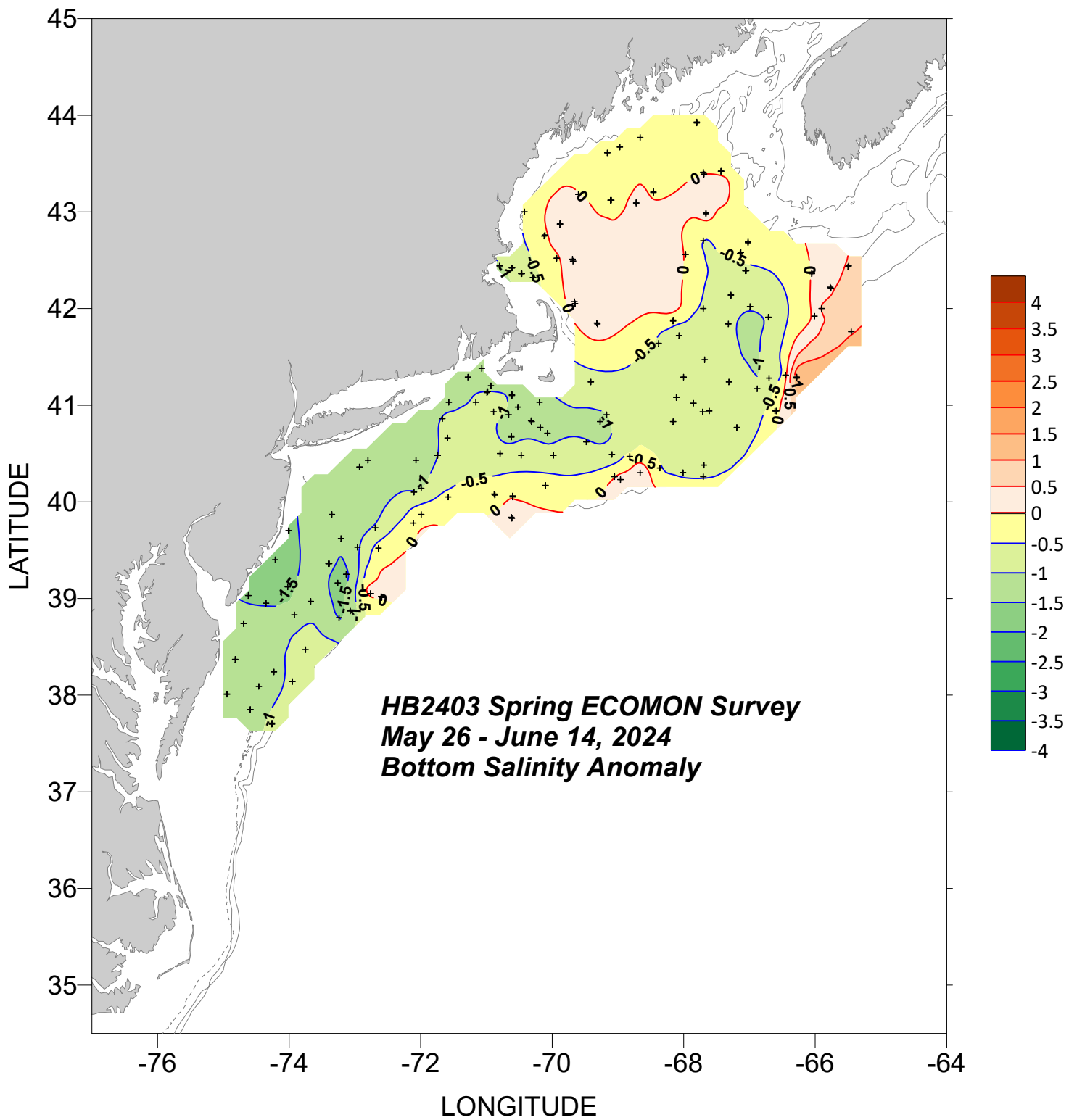












HB2403 Spring ECOMON Survey
May 26 - June 14, 2024

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
1	1	4108.2	7059.0	26	5	2024	0:22	33	14.21	30.82	9.07	31.55	5	B
2	2	4058.8	7031.3	26	5	2024	2:50	48	12.25	31.48	8.15	31.79	5	B
3	3	4050.4	7019.2	26	5	2024	4:09	47	12.59	31.34	8.51	31.72	5	B
4	4	4046.1	7010.8	26	5	2024	5:05	42	11.52	31.53	8.39	31.76	5	B
5	5	4042.3	7004.1	26	5	2024	5:51	44	11.64	31.61	8.40	31.72	5	B
6	6	4054.2	7039.3	26	5	2024	8:36	51	12.43	31.56	7.61	31.82	5	B
7	7	4055.9	7053.1	26	5	2024	9:41	53	12.94	31.39	7.18	31.82	6	B
8	8	4101.9	7109.4	26	5	2024	11:05	43	13.85	30.98	7.88	31.67	5	B
9	9	4101.9	7134.2	26	5	2024	13:00	45	13.95	29.83	8.55	31.69	4	B
10	10	4039.4	7135.2	26	5	2024	15:17	71	13.93	30.99	6.20	32.19	4	B
11	11	4028.5	7144.6	26	5	2024	17:15	72	13.99	31.57	6.49	32.09	5	B
12	12	4008.5	7159.5	26	5	2024	19:37	75	13.87	31.78	6.42	32.09	6	B
13	13	4005.9	7206.1	26	5	2024	20:30	72	14.98	31.48	6.51	32.13	5	B
14	14	3952.2	7159.5	26	5	2024	22:06	110	13.24	31.84	11.99	34.88	5	B
15	15	3943.6	7241.7	27	5	2024	1:25	67	14.02	31.81	6.43	32.08	6	B
16	16	3937.0	7312.5	27	5	2024	4:08	41	15.76	30.21	7.57	31.69	5	B
17	17	3931.6	7257.5	27	5	2024	5:36	62	15.91	30.74	6.54	32.03	4	B
18	18	3921.4	7323.8	27	5	2024	7:51	48	16.99	29.74	8.48	31.77	4	B
1	18	3921.3	7323.5	27	5	2024	8:05	48	15.57	30.08	8.56	31.78	5	W
19	19	3909.8	7315.5	27	5	2024	9:32	62	15.93	30.09	6.82	31.93	4	B
20	20	3903.2	7245.6	27	5	2024	11:59	149	13.41	32.24	12.43	35.31	7	B
2	20	3902.8	7245.7	27	5	2024	12:25	245	12.56	32.47	9.98	35.15	2	W
21	20	3902.9	7245.5	27	5	2024	12:53	162	13.49	32.37	12.24	35.31	6	B
22	21	3900.9	7235.9	27	5	2024	13:56	202	17.86	33.59	10.71	35.28	1	B
3	21	3900.7	7235.4	27	5	2024	14:30	1178	17.15	33.62	5.85	34.96	672	W
23	22	3852.4	7304.1	27	5	2024	18:00	84	13.82	31.85	7.77	32.84	3	B
24	23	3847.8	7314.7	27	5	2024	19:11	82	13.94	31.90	7.39	32.82	5	B
25	24	4122.8	7104.4	3	6	2024	16:17	24	14.69	30.90	13.20	31.08	5	B
26	25	4117.1	7116.8	3	6	2024	17:25	38	16.73	30.93	9.06	31.50	5	B

HB2403 Spring ECOMON Survey
May 26 - June 14, 2024

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
27	26	4051.5	7140.5	3	6	2024	20:26	59	16.76	30.76	6.81	31.82	5	B
28	27	4025.6	7204.2	3	6	2024	23:34	63	16.83	30.86	6.46	31.87	5	B
29	28	4025.9	7247.7	4	6	2024	2:52	42	18.97	29.50	7.10	31.49	6	B
30	29	4021.8	7255.6	4	6	2024	3:52	44	18.72	29.40	7.03	31.56	6	B
31	30	3952.4	7321.1	4	6	2024	7:26	45	17.86	29.40	6.84	31.84	4	B
32	31	3942.0	7400.4	4	6	2024	10:31	23	18.68	29.00	10.80	30.71	6	B
4	31	3942.1	7359.9	4	6	2024	10:45	22	18.43	29.03	10.57	30.76	4	W
33	32	3924.1	7412.4	4	6	2024	12:53	20	18.02	29.76	11.46	30.64	5	B
34	33	3907.3	7401.1	4	6	2024	14:46	37	19.45	29.66	9.79	31.45	6	B
35	34	3856.9	7421.1	4	6	2024	16:37	36	19.53	29.84	9.99	31.59	7	B
36	35	3901.9	7437.3	4	6	2024	18:16	18	19.19	29.85	12.13	30.70	6	B
37	36	3844.4	7441.7	4	6	2024	21:04	24	19.65	28.81	10.63	31.32	6	B
38	37	3822.2	7449.4	4	6	2024	23:20	22	20.01	28.21	11.41	31.18	6	B
39	38	3800.3	7456.9	5	6	2024	1:42	24	20.32	29.31	11.35	31.32	6	B
5	38	3800.4	7456.4	5	6	2024	1:59	25	18.59	29.48	11.32	31.33	6	W
40	39	3750.9	7435.4	5	6	2024	4:14	52	18.89	30.50	7.99	32.05	4	B
6	39	3751.0	7435.1	5	6	2024	4:29	52	17.87	30.54	8.06	32.04	5	W
41	40	3741.9	7415.4	5	6	2024	6:30	111	17.46	32.08	10.93	34.18	4	B
7	40	3742.5	7415.3	5	6	2024	6:51	106	17.38	32.06	11.94	34.25	3	W
42	41	3805.4	7427.5	5	6	2024	9:17	43	19.12	30.24	8.15	32.01	4	B
43	42	3814.6	7413.7	5	6	2024	10:44	54	18.40	31.62	6.97	32.08	4	B
44	43	3808.5	7356.9	5	6	2024	12:15	113	18.00	32.24	11.24	34.49	4	B
45	44	3828.4	7344.8	5	6	2024	14:31	67	18.25	30.67	8.59	32.96	4	B
46	45	3849.9	7355.4	5	6	2024	16:52	45	19.17	30.77	7.99	31.80	5	B
47	46	3857.9	7340.1	5	6	2024	18:26	53	20.05	30.12	7.00	32.01	5	B
48	47	3914.8	7307.9	5	6	2024	21:27	67	19.56	30.80	6.65	32.10	5	B
49	48	3930.9	7238.3	6	6	2024	0:10	82	16.70	31.67	8.27	33.03	4	B
50	49	3946.9	7206.7	6	6	2024	3:08	107	16.54	32.08	12.00	34.88	5	B

HB2403 Spring ECOMON Survey
May 26 - June 14, 2024

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
51	50	4003.1	7134.5	6	6	2024	6:05	92	16.01	31.98	11.90	34.59	4	B
52	51	4004.6	7052.6	6	6	2024	9:06	167	15.17	31.85	10.06	35.17	5	B
53	51	4003.9	7052.4	6	6	2024	9:31	178	14.49	31.81	10.21	35.16	4	V
54	52	3950.1	7037.4	6	6	2024	11:29	909	17.90	33.44	9.84	35.17	707	B
8	52	3949.5	7036.7	6	6	2024	11:59	1025	17.88	33.34	5.40	34.98	511	W
55	53	4003.6	7036.2	6	6	2024	14:25	128	16.82	32.98	12.35	35.26	4	B
9	53	4002.8	7035.8	6	6	2024	14:55	150	17.37	32.74	11.75	35.27	1	W
56	54	4010.2	7006.1	6	6	2024	17:23	108	13.73	31.58	11.85	34.71	5	B
57	55	4029.3	6905.6	6	6	2024	21:59	80	12.64	31.60	7.51	32.28	3	B
58	56	4015.7	6903.2	6	6	2024	23:35	104	13.67	31.81	9.01	33.46	7	B
59	57	4013.7	6857.9	7	6	2024	0:16	120	13.78	31.73	9.91	34.08	4	B
60	58	4027.9	6849.4	7	6	2024	2:05	78	13.53	31.63	8.20	32.84	4	B
61	59	4017.9	6839.6	7	6	2024	3:34	104	13.77	32.34	10.14	33.81	4	B
62	60	4020.9	6821.5	7	6	2024	5:19	125	12.60	31.82	10.20	34.59	3	B
63	61	4018.1	6800.6	7	6	2024	7:49	213	12.38	31.84	10.84	35.25	10	B
64	61	4018.1	6800.3	7	6	2024	8:17	214	12.37	31.86	10.74	35.13	13	B
10	62	4015.3	6741.8	7	6	2024	10:23	905	14.70	33.38	5.21	34.95	397	W
11	63	4022.9	6741.5	7	6	2024	11:43	267	13.59	32.69	8.47	35.05	1	W
65	64	4050.0	6809.3	7	6	2024	15:16	59	10.83	31.82	8.14	31.91	4	B
66	65	4104.7	6806.6	7	6	2024	16:44	46	10.36	31.82	10.29	31.86	5	B
67	66	4117.6	6759.8	7	6	2024	18:16	30	11.17	31.70	11.08	31.90	8	B
68	67	4101.4	6751.2	7	6	2024	19:53	51	10.10	31.90	9.68	31.90	5	B
12	68	4055.6	6742.9	7	6	2024	20:54	64	9.35	31.87	8.32	31.92	5	W
69	69	4056.2	6736.4	7	6	2024	21:48	70	10.86	31.83	8.13	31.95	3	B
70	70	4045.9	6711.1	8	6	2024	0:10	99	12.03	31.60	7.54	32.88	4	B
71	71	4056.5	6635.7	8	6	2024	3:19	111	11.81	31.48	11.27	34.77	6	B
72	71	4056.2	6636.3	8	6	2024	3:39	109	11.84	31.53	11.14	34.69	2	V
73	72	4117.1	6616.9	8	6	2024	6:18	115	10.99	31.31	10.61	34.63	4	B

HB2403 Spring ECOMON Survey
May 26 - June 14, 2024

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
74	72	4116.9	6616.9	8	6	2024	6:36	115	10.57	31.44	10.42	34.56	4	V
75	73	4118.9	6627.3	8	6	2024	7:40	96	12.71	31.59	6.72	32.68	5	B
76	73	4118.4	6627.3	8	6	2024	7:54	96	12.50	31.59	6.83	32.78	4	V
77	74	4116.6	6642.3	8	6	2024	9:14	77	9.06	31.95	7.73	31.97	5	B
78	75	4110.0	6652.5	8	6	2024	10:20	72	9.54	31.93	7.95	31.96	5	B
79	76	4114.6	6718.5	8	6	2024	12:21	50	9.85	31.91	9.82	31.91	4	B
13	77	4128.2	6741.0	8	6	2024	14:31	38	10.91	31.91	10.88	31.91	4	W
80	78	4138.4	6822.6	8	6	2024	18:23	22	10.55	31.85	10.55	31.85	6	B
81	79	4143.1	6804.2	8	6	2024	20:06	37	11.68	31.67	10.77	31.86	6	B
82	80	4152.6	6809.6	8	6	2024	21:31	177	14.56	31.57	7.52	34.00	6	B
83	80	4152.0	6809.3	8	6	2024	21:54	164	14.62	31.57	7.03	33.18	7	V
14	81	4200.0	6741.9	9	6	2024	0:37	59	14.29	31.20	7.10	32.08	8	W
84	82	4208.2	6716.6	9	6	2024	3:12	94	14.50	31.10	7.96	32.03	5	B
85	82	4207.8	6716.7	9	6	2024	3:33	88	14.57	31.00	8.50	32.00	4	V
86	83	4150.1	6719.2	9	6	2024	5:40	48	10.65	31.90	10.59	31.90	6	B
87	84	4201.5	6659.2	9	6	2024	7:34	56	9.64	31.87	9.64	31.87	6	B
88	85	4154.6	6642.7	9	6	2024	8:52	71	9.32	31.78	9.10	31.88	4	B
89	86	4155.3	6600.4	9	6	2024	11:56	93	10.47	31.29	6.51	32.81	5	B
90	87	4200.1	6554.1	9	6	2024	13:08	168	10.44	31.89	8.78	34.94	2	B
15	88	4145.6	6527.0	9	6	2024	16:01	966	11.19	31.45	5.70	35.00	460	W
91	89	4213.3	6546.2	9	6	2024	19:32	224	11.83	32.32	7.32	34.99	23	B
16	89	4212.9	6545.7	9	6	2024	20:14	226	11.93	32.58	7.08	34.98	3	W
92	90	4226.2	6529.7	9	6	2024	22:23	103	10.41	30.94	4.23	32.45	5	B
93	90	4225.6	6530.0	9	6	2024	22:39	103	10.44	30.91	4.25	32.45	7	V
94	91	4222.1	6603.0	10	6	2024	1:09	259	10.12	31.17	8.78	34.99	57	B
95	91	4221.5	6603.0	10	6	2024	1:36	260	10.07	31.06	8.25	35.00	5	V
96	92	4241.5	6700.9	10	6	2024	6:34	241	12.09	31.58	9.40	34.82	39	B
97	92	4240.8	6701.1	10	6	2024	7:01	253	11.88	31.57	8.86	34.77	4	V

HB2403 Spring ECOMON Survey
May 26 - June 14, 2024

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
98	93	4235.0	6708.0	10	6	2024	8:03	293	12.81	31.44	8.90	34.91	91	B
99	93	4234.3	6708.2	10	6	2024	8:29	299	12.80	31.44	8.69	34.90	2	V
100	94	4223.1	6703.1	10	6	2024	9:49	340	13.37	31.36	8.36	34.47	138	B
17	94	4223.1	6703.3	10	6	2024	10:18	340	13.43	31.34	7.80	34.79	1	W
101	95	4233.7	6758.1	10	6	2024	14:59	196	13.96	30.77	7.93	34.63	5	B
102	95	4233.5	6758.1	10	6	2024	15:29	201	13.86	30.80	7.93	34.63	6	V
18	96	4241.9	6742.0	10	6	2024	17:04	191	12.30	31.69	7.60	34.06	2	W
103	97	4259.3	6739.7	10	6	2024	19:01	196	14.23	31.40	7.59	34.07	4	B
104	97	4258.5	6739.7	10	6	2024	19:26	209	14.16	31.47	7.66	34.13	3	V
105	98	4324.3	6741.9	10	6	2024	22:13	246	13.33	31.63	7.83	34.02	44	B
19	98	4323.3	6741.1	10	6	2024	22:40	245	13.21	31.64	7.88	34.20	1	W
106	99	4325.5	6725.7	11	6	2024	0:10	200	10.79	31.78	7.82	34.03	10	B
107	99	4325.3	6725.6	11	6	2024	0:49	202	10.78	31.77	7.82	34.03	20	B
108	100	4355.7	6748.2	11	6	2024	4:25	181	10.91	31.63	7.80	33.93	3	B
109	100	4355.3	6747.9	11	6	2024	4:50	205	10.97	31.63	7.78	33.94	3	V
20	101	4346.4	6839.5	11	6	2024	8:44	114	9.66	31.51	6.30	32.39	3	W
110	102	4340.3	6858.5	11	6	2024	10:24	103	9.68	31.31	6.37	32.05	9	B
111	103	4336.8	6909.3	11	6	2024	11:35	127	12.06	31.35	5.78	32.27	9	B
112	104	4312.6	6827.7	11	6	2024	15:57	193	13.87	31.84	7.41	33.76	6	B
113	104	4312.1	6827.8	11	6	2024	16:20	195	13.71	31.82	7.41	33.77	5	V
114	105	4305.5	6843.3	11	6	2024	17:45	185	13.47	31.77	7.36	33.69	6	B
115	105	4305.9	6843.0	11	6	2024	18:07	180	12.42	31.74	7.36	33.68	5	V
116	106	4307.2	6906.7	11	6	2024	19:56	164	14.44	31.56	6.67	33.10	6	B
117	106	4307.0	6905.9	11	6	2024	20:18	170	13.35	31.63	6.64	33.09	5	V
118	107	4311.0	6935.9	11	6	2024	22:39	102	15.46	31.33	5.69	32.45	6	B
21	108	4259.8	7025.1	12	6	2024	2:32	104	15.74	30.71	5.35	32.02	5	W
119	109	4252.8	6952.5	12	6	2024	5:14	254	16.76	31.30	8.06	34.12	52	B
120	109	4252.3	6952.5	12	6	2024	5:41	249	16.71	31.31	7.97	34.19	4	V

HB2403 Spring ECOMON Survey
May 26 - June 14, 2024

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
121	110	4245.2	7007.4	12	6	2024	7:10	146	15.67	31.11	6.86	33.08	8	B
122	110	4245.7	7006.9	12	6	2024	7:43	144	15.29	31.09	6.64	32.93	8	B
123	111	4226.2	7047.9	12	6	2024	11:31	44	15.57	29.97	5.61	31.32	5	B
124	112	4225.2	7036.9	12	6	2024	12:31	84	16.36	29.79	5.10	31.70	4	B
22	112	4225.0	7036.6	12	6	2024	12:47	84	16.20	29.77	5.10	31.69	5	W
125	113	4221.6	7028.1	12	6	2024	13:47	68	17.69	29.96	5.08	31.68	5	B
23	113	4221.6	7027.7	12	6	2024	14:01	66	17.01	29.89	5.08	31.67	6	W
126	114	4219.1	7017.3	12	6	2024	15:04	31	16.73	29.90	5.56	31.41	6	B
24	114	4219.3	7017.2	12	6	2024	15:19	33	16.37	30.00	5.61	31.40	4	W
127	115	4231.3	6955.6	12	6	2024	17:20	174	16.37	30.63	7.58	33.64	7	B
128	116	4230.3	6941.1	12	6	2024	18:38	261	17.81	30.16	7.87	34.14	60	B
25	116	4229.3	6940.7	12	6	2024	19:14	261	17.69	30.16	7.86	34.20	3	W
129	117	4204.0	6939.6	12	6	2024	22:15	220	17.10	29.86	7.91	34.02	18	B
130	117	4203.2	6939.2	12	6	2024	22:40	218	16.93	29.99	7.90	34.00	1	W
131	118	4151.2	6919.0	13	6	2024	1:05	193	16.47	30.59	7.86	33.82	7	B
132	118	4150.5	6918.8	13	6	2024	1:31	192	16.27	30.57	7.83	33.80	6	V
133	119	4114.4	6924.4	13	6	2024	5:43	47	14.86	31.08	6.96	31.65	5	B
26	120	4054.1	6910.1	13	6	2024	8:15	66	9.68	31.76	9.38	31.83	4	W
134	121	4050.0	6915.9	13	6	2024	9:05	57	9.31	31.64	9.25	31.66	4	B
135	122	4037.1	6929.0	13	6	2024	10:43	54	11.54	31.69	9.47	31.76	4	B
136	123	4029.1	6958.8	13	6	2024	13:23	71	15.45	31.74	7.55	32.55	5	B
137	124	4029.1	7028.2	13	6	2024	15:31	71	16.84	31.67	6.88	32.23	4	B
138	125	4030.2	7047.6	13	6	2024	17:06	77	17.49	31.68	6.68	32.07	7	B
139	126	4040.6	7037.4	13	6	2024	18:34	61	17.58	31.69	7.46	31.96	5	B
27	126	4040.3	7037.3	13	6	2024	18:49	62	17.54	31.68	7.43	31.96	4	W
140	127	4049.7	7018.3	13	6	2024	20:37	47	14.06	31.37	9.04	31.84	5	B
141	128	4101.9	7011.3	13	6	2024	22:04	27	14.46	31.29	12.08	31.39	5	B
142	129	4106.3	7036.9	14	6	2024	0:21	43	15.79	31.42	9.50	31.66	6	B

HB2403 Spring ECOMON Survey
May 26 - June 14, 2024

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
28	129	4106.0	7036.8	14	6	2024	0:36	43	15.77	31.42	9.09	31.72	3	W
143	130	4107.8	7059.6	14	6	2024	2:45	33	17.12	31.12	9.68	31.59	6	B
144	131	4111.8	7056.0	14	6	2024	3:36	32	16.99	31.17	11.29	31.52	4	B

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

Records in bold are collected with an SBE911+ CTD