

Oceanography Branch CTD Data Report
CTD_REPORT_2014005PC

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DATE: September 14, 2015

Oceanography Branch CTD Data Report

CTD_REPORT_2014005PC

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

PC 14-05
ECOMON/Integrated Pelagics Survey
Data Coverage: November 4 – 19, 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 PC1405 ECOMON/Integrated Pelagics Survey aboard the NOAA FSV *Pisces*. Data was obtained with a Seabird Electronics SBE Model 19+ profiling CTD (s/n 7142) and a Seabird Electronics SBE Model 9/11+ CTD (s/n 0420). Sea water samples were taken for the purpose of correcting salinity values for both instruments.

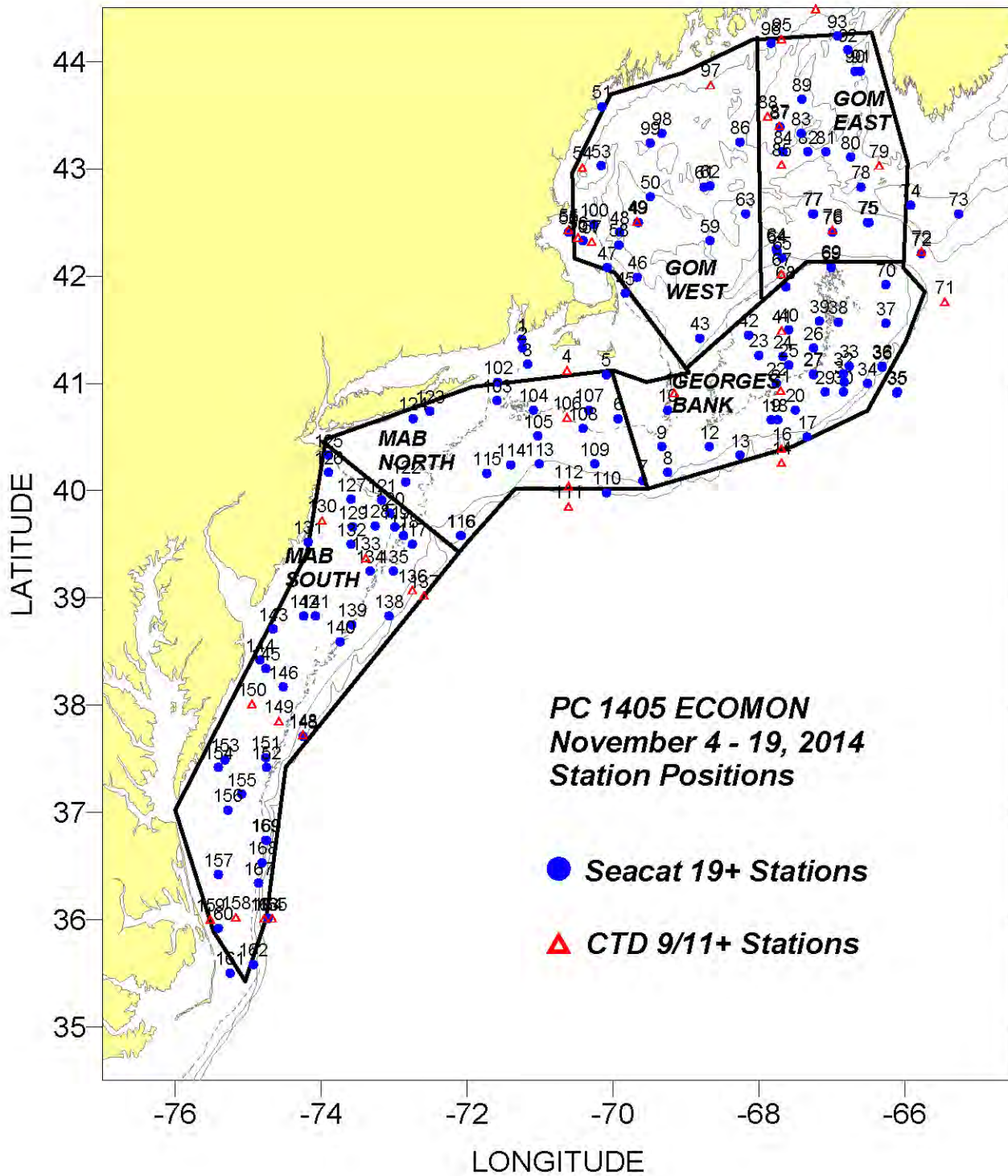
Data presented here have been audited, however, corrections and/or updates may be applied at a later time. The most recent and complete station data can be found in an NODC formatted ASCII file at:
ftp://ftp.nefsc.noaa.gov/pub/hydro/nodc_files/pc1405.dat

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

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

choose: **2014 Cruises**
 NOV_ECOMON_PC1405
 CTD_REPORT_2014005PC.pdf

Revised: September 14, 2015



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
PC1405 ECOMON/Integrated Pelagics Survey
November 4 - 19, 2014**

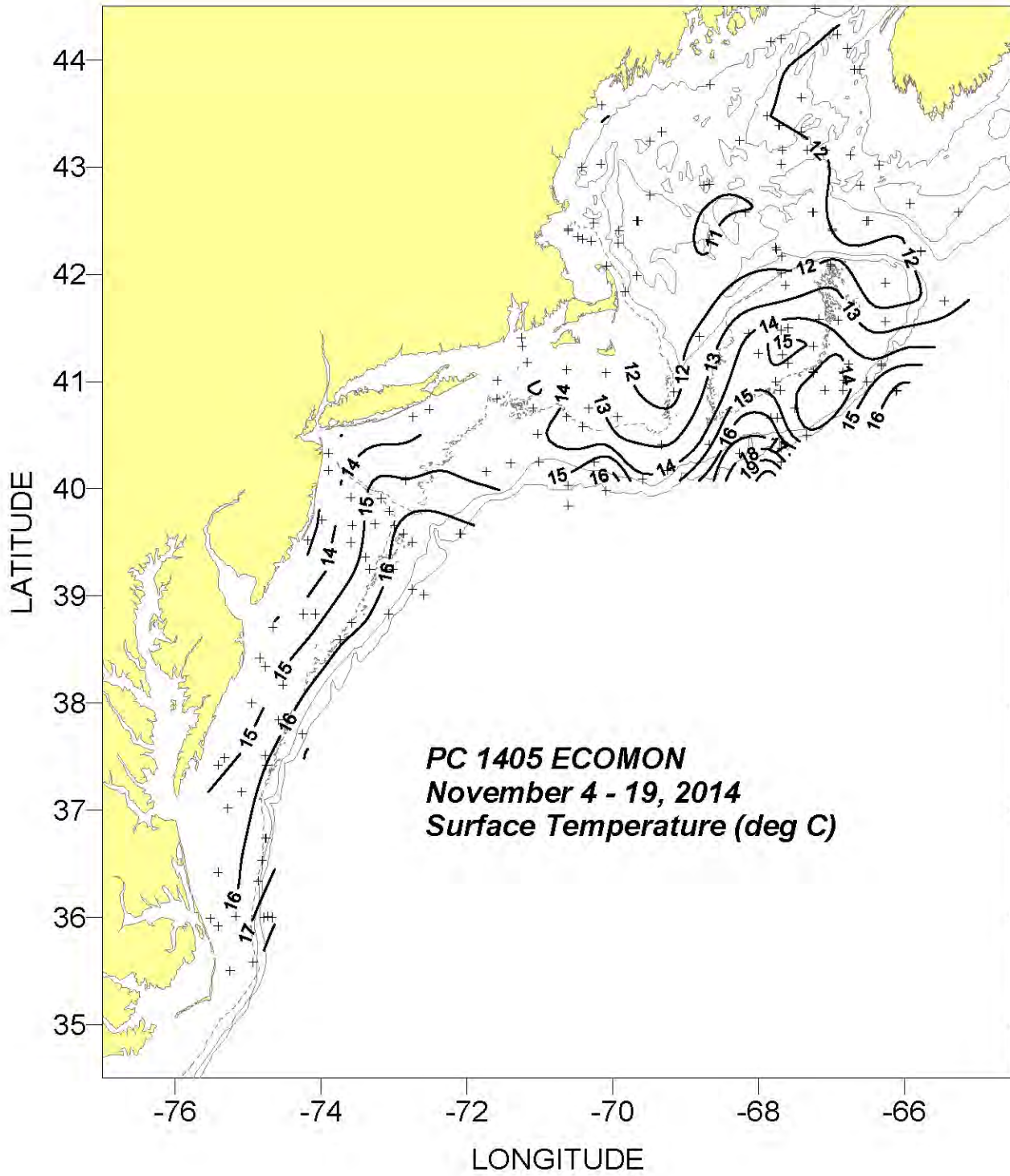
CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
Western Gulf of Maine														
pc1405	313	19	11.41	1.00	0.28	0.50	0	19	8.75	1.67	0.21	0.86	0	22
pc1405	313	19	33.07	0.35	0.11	0.26	0	19	33.73	0.12	0.07	0.31	0	22
Eastern Gulf of Maine														
pc1405	315	21	12.07	1.51	0.20	0.90	0	20	9.84	1.57	0.26	1.06	0	22
pc1405	315	21	33.00	0.35	0.11	0.29	0	20	34.64	0.27	0.07	0.24	0	22
Georges Bank														
pc1405	310	36	13.87	0.65	0.24	1.39	0	36	13.06	0.81	0.23	1.16	0	22
pc1405	310	36	32.98	0.14	0.08	0.48	0	36	33.38	0.16	0.08	0.33	0	22
MAB North														
pc1405	317	19	14.17	0.52	0.38	0.90	0	19	14.55	1.70	0.46	1.50	0	22
pc1405	317	19	33.21	0.14	0.16	0.59	0	19	34.20	0.45	0.15	0.56	0	22
MAB South														
pc1405	320	37	15.36	1.05	0.30	0.68	0	43	15.24	1.39	0.34	1.32	0	22
pc1405	320	37	33.84	0.76	0.16	0.41	0	43	34.18	0.60	0.12	0.48	0	22

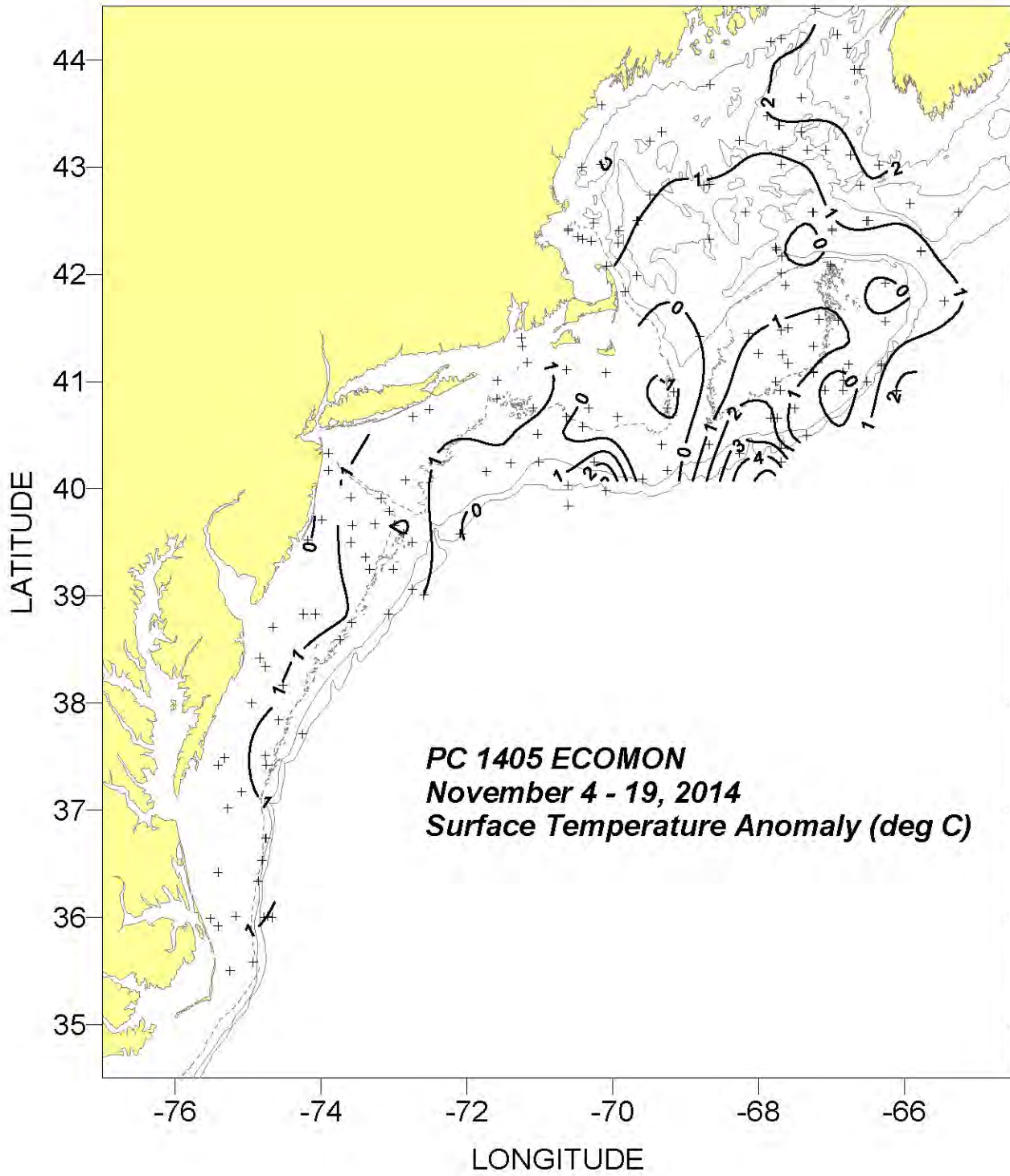
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

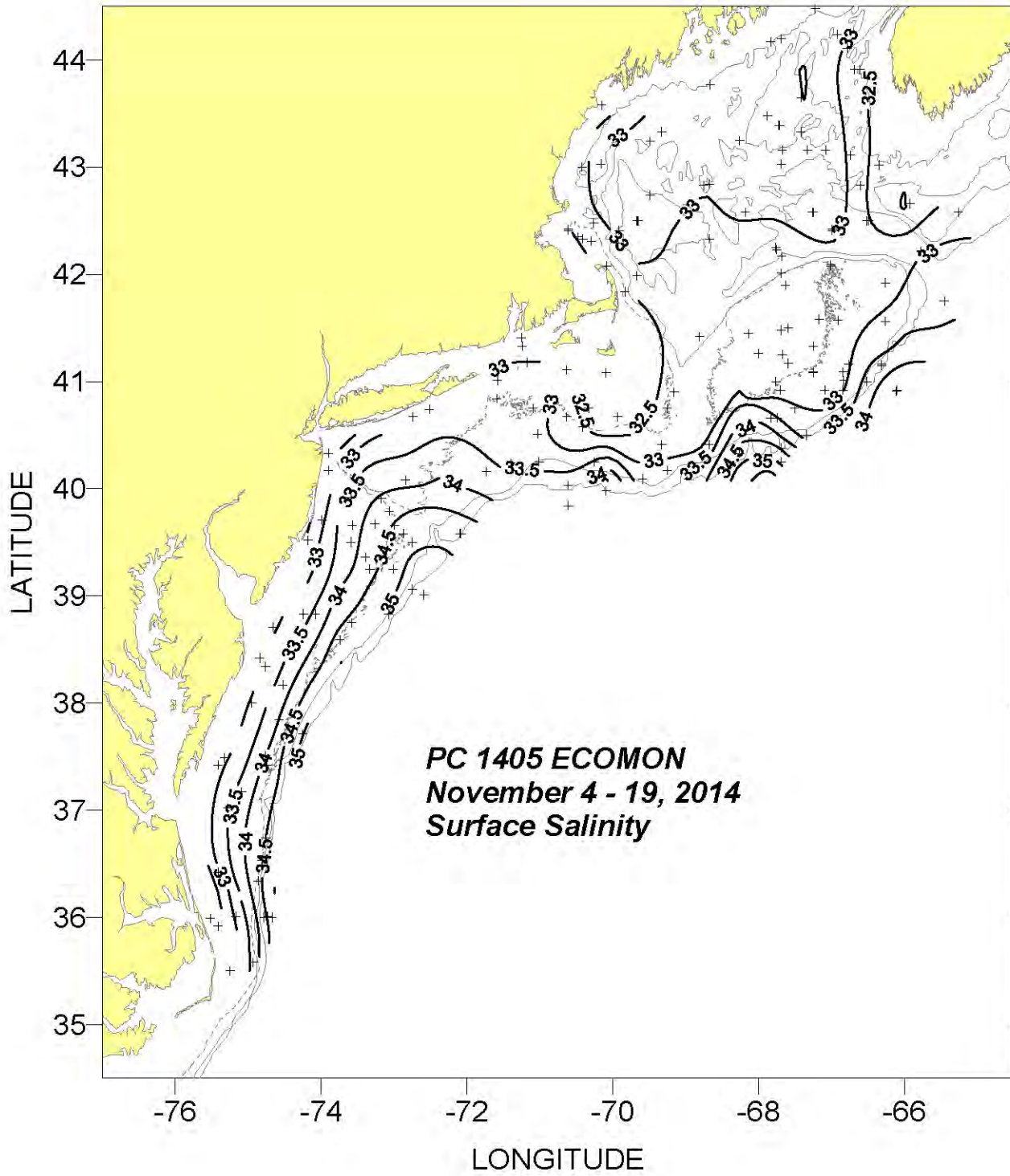
"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

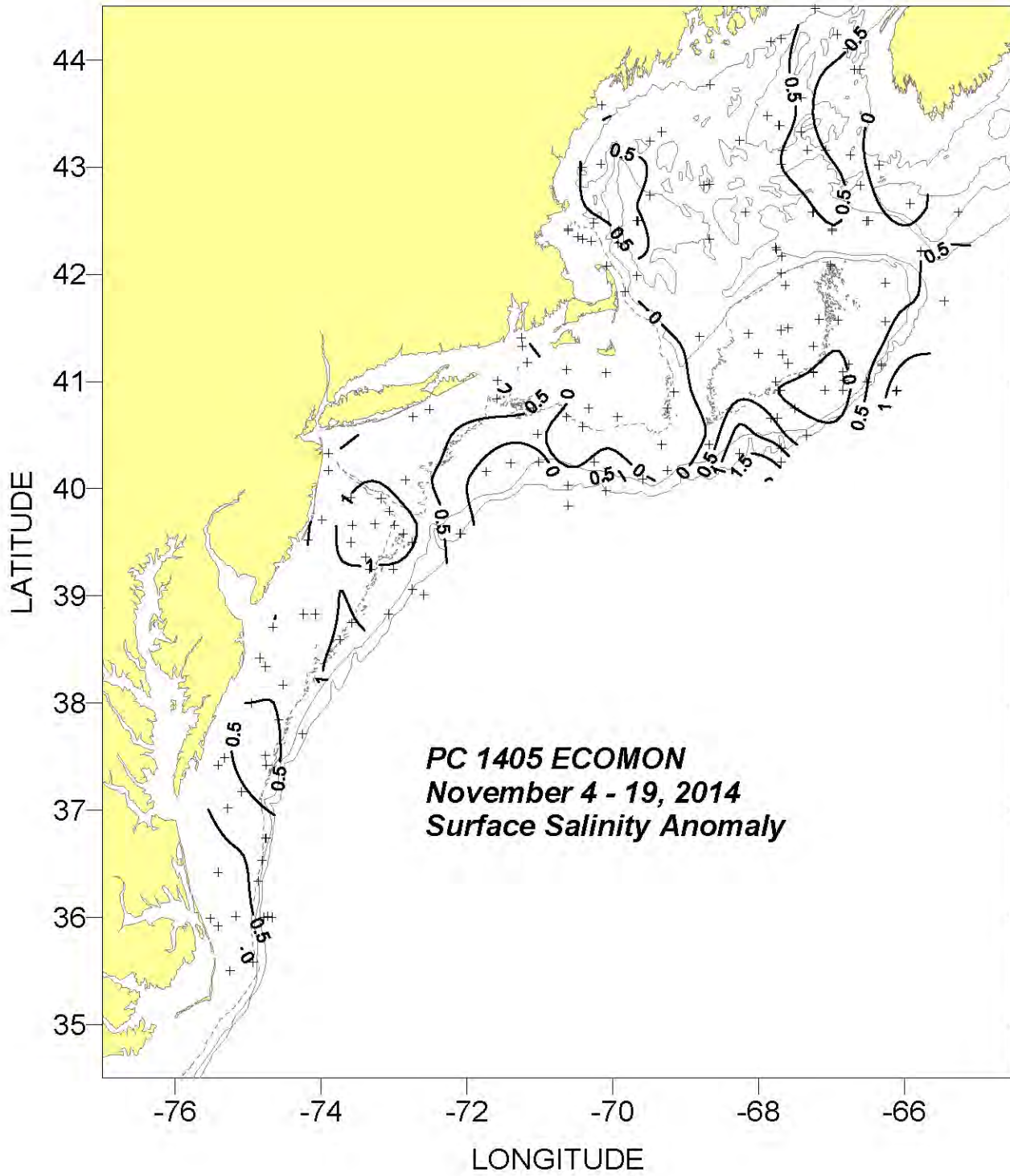
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal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

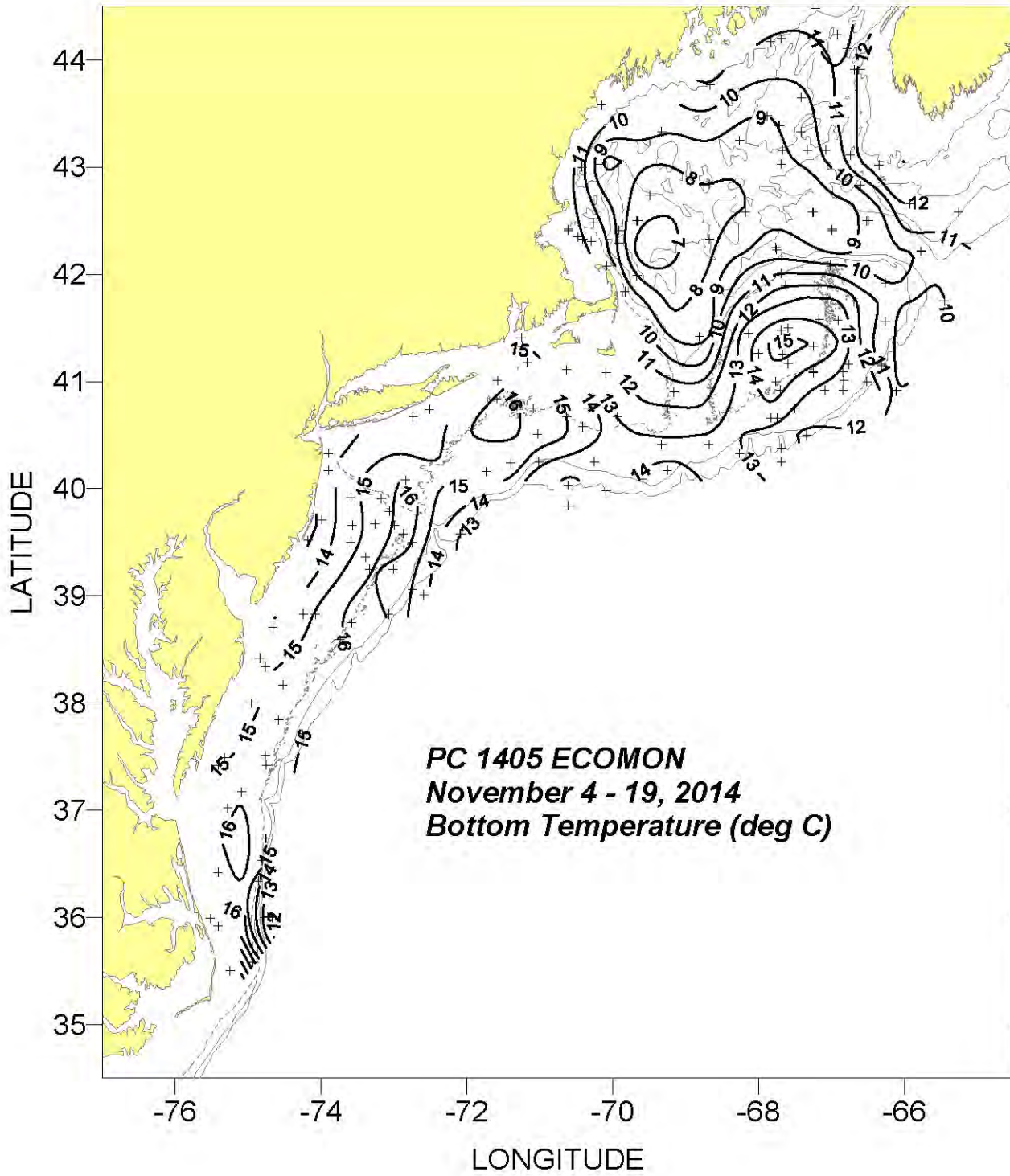
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

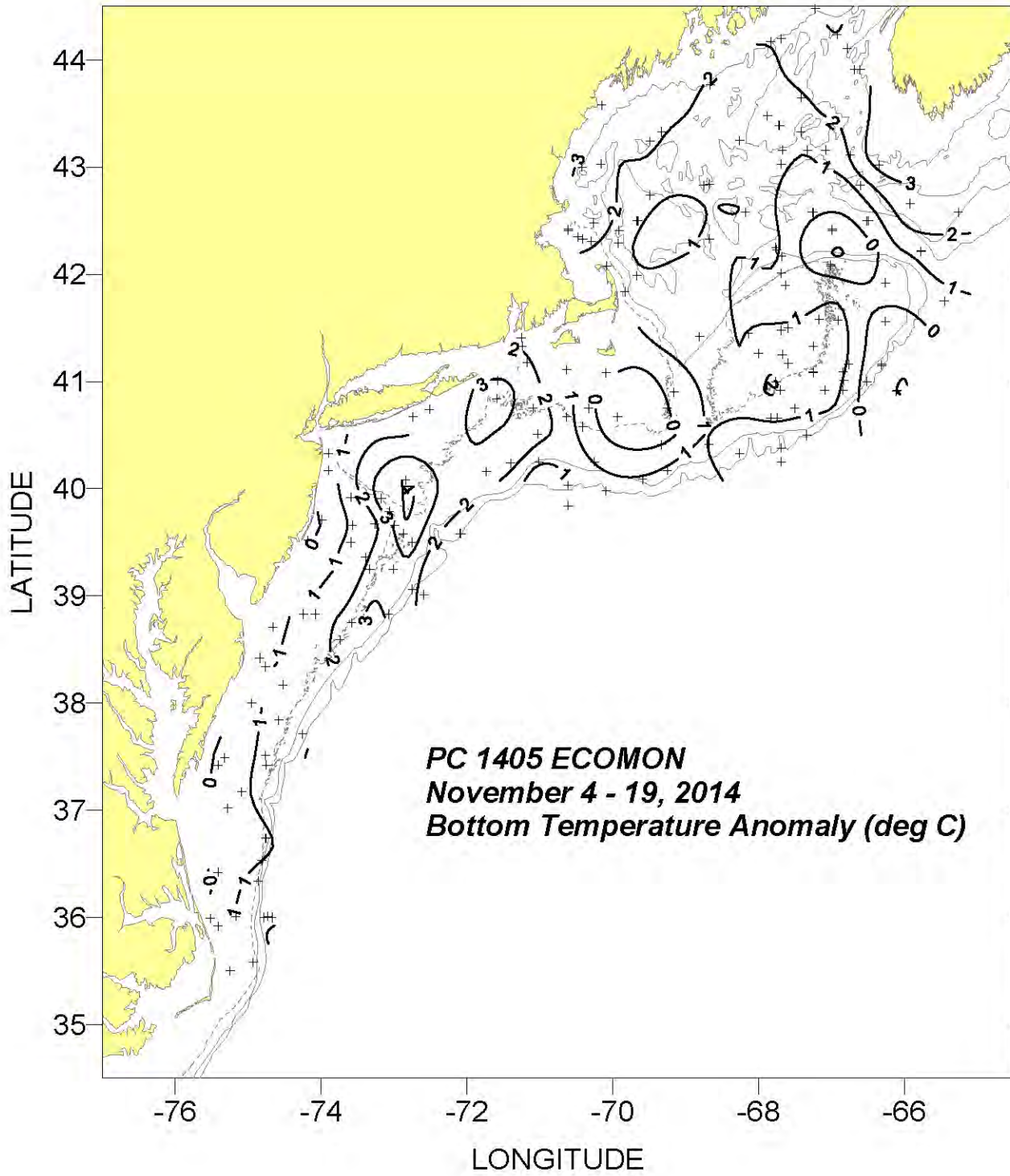


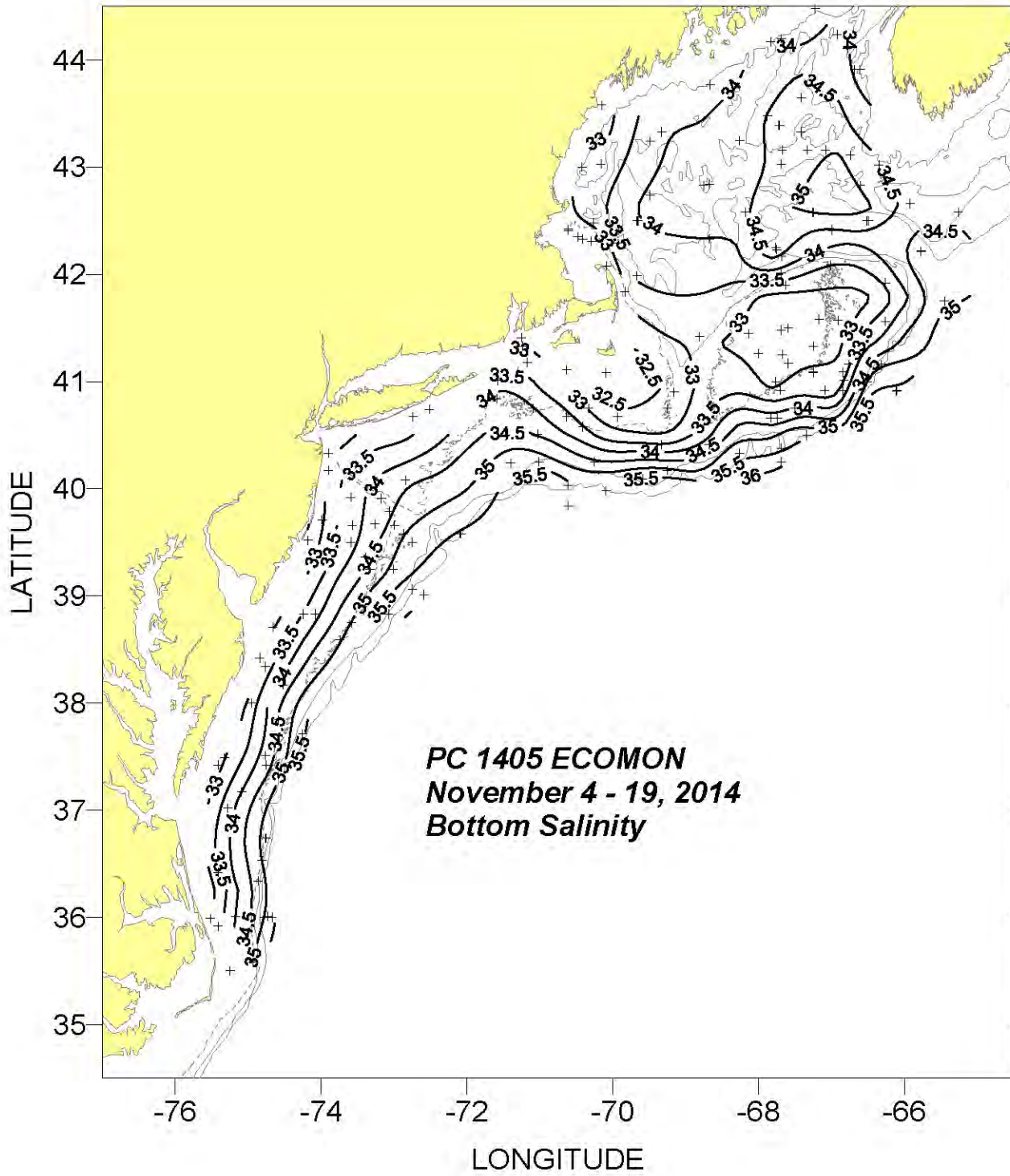


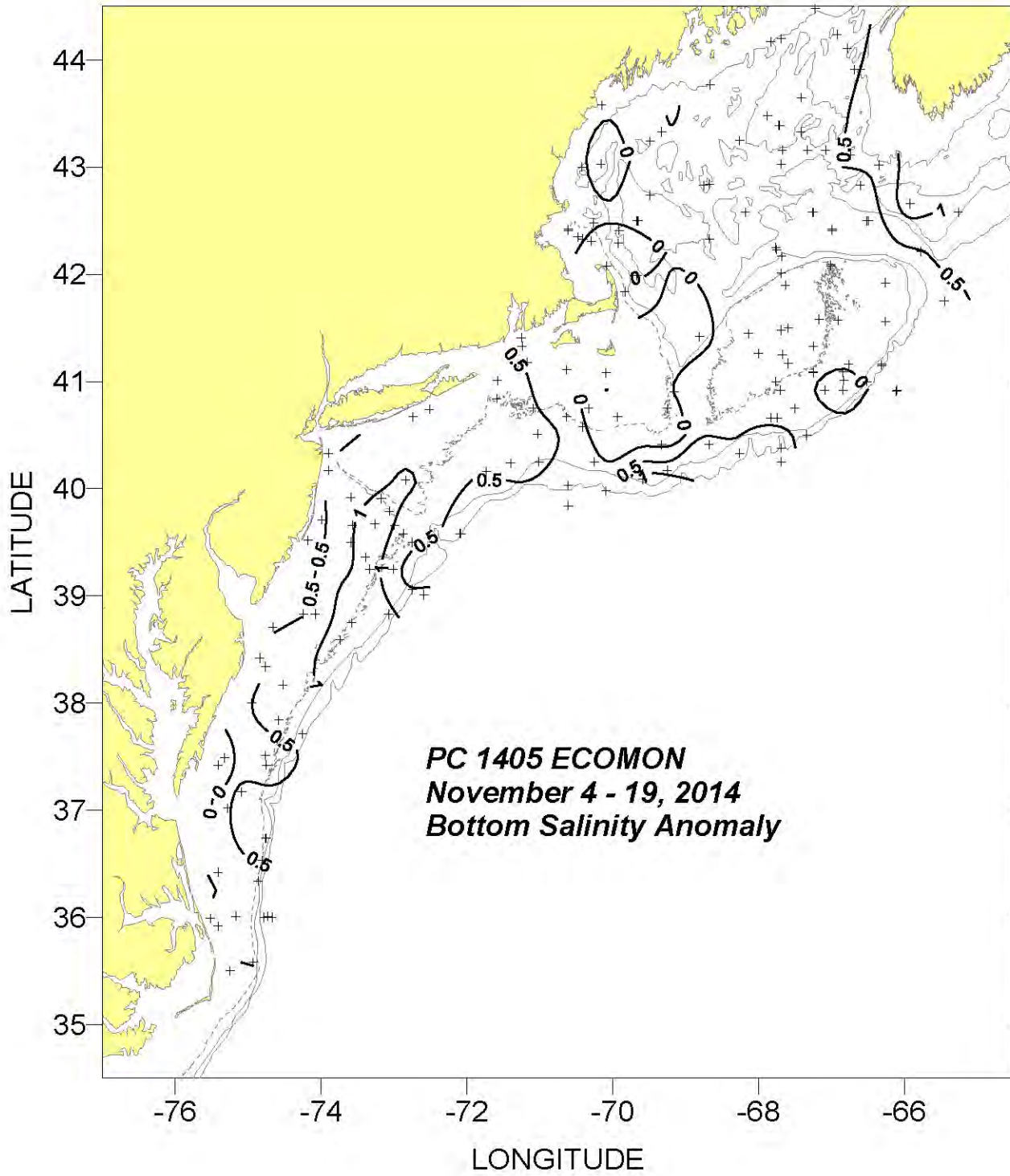












PC1405 ECOMON/Integrated Pelagics Survey
November 4 - 19, 2014

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
1	1	4124.7	7115.0	3	11	2014	2:08	25	14.72	32.65	14.72	32.65	4	B
2	2	4119.8	7114.5	3	11	2014	3:39	31	14.87	32.82	14.87	32.82	4	B
3	3	4110.8	7110.3	3	11	2014	4:44	37	15.12	33.10	15.28	33.18	5	B
1	4	4106.5	7037.6	4	11	2014	7:42	42	14.68	32.77	15.02	33.01	1	W
4	5	4104.9	7005.6	4	11	2014	9:56	20	12.87	32.06	12.81	32.07	4	B
5	6	4040.0	6955.6	4	11	2014	13:09	50	12.70	32.19	12.68	32.21	4	B
6	7	4005.1	6935.4	4	11	2014	16:12	102	13.81	33.10	14.36	35.76	6	B
7	8	4010.0	6915.2	4	11	2014	17:51	97	13.94	33.12	15.00	35.37	5	B
8	9	4024.9	6920.0	4	11	2014	19:22	75	12.80	32.62	13.17	32.83	4	B
9	10	4045.0	6915.2	4	11	2014	21:14	54	11.62	32.54	11.63	32.55	4	B
2	11	4054.0	6909.7	4	11	2014	22:17	67	11.66	32.71	11.66	32.72	3	W
10	12	4024.9	6840.6	4	11	2014	2:48	86	14.52	32.86	13.24	34.07	4	B
11	13	4019.9	6815.8	4	11	2014	4:38	147	18.49	35.29	13.12	35.64	1	B
3	14	4014.8	6741.5	5	11	2014	7:05	994	21.12	35.71	6.87	35.08	487	W
4	16	4022.8	6741.2	5	11	2014	9:54	252	19.17	35.37	12.83	35.61	3	W
12	17	4029.8	6720.3	5	11	2014	11:33	154	13.70	33.25	11.76	35.43	5	B
13	18	4039.7	6744.6	5	11	2014	13:40	78	13.78	32.89	12.46	33.88	6	B
14	19	4039.7	6750.0	5	11	2014	14:20	81	13.79	32.89	12.50	34.18	3	B
15	20	4044.8	6729.8	5	11	2014	15:45	87	13.61	32.84	12.29	33.82	5	B
5	21	4055.4	6742.3	5	11	2014	17:22	65	14.53	32.84	14.42	32.84	4	W
16	22	4100.0	6745.3	5	11	2014	18:14	56	15.34	32.77	15.30	32.78	5	B
17	23	4115.3	6800.2	5	11	2014	20:05	47	15.16	32.64	15.07	32.65	3	B
18	24	4115.1	6740.5	5	11	2014	21:42	37	15.41	32.65	15.41	32.65	5	B
19	25	4110.0	6735.6	5	11	2014	22:36	52	15.66	32.71	15.65	32.71	3	B
20	26	4119.8	6715.2	5	11	2014	0:22	49	14.88	32.82	14.86	32.82	2	B
21	27	4105.2	6715.2	5	11	2014	2:04	64	13.83	32.79	13.70	32.82	3	B
22	27	4104.9	6715.1	5	11	2014	2:21	64	13.78	32.80	13.63	32.84	4	B
23	29	4055.2	6705.5	5	11	2014	4:41	83	13.55	32.78	12.27	33.27	1	B

**PC1405 ECOMON/Integrated Pelagics Survey
November 4 - 19, 2014**

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed	Deepest Observed	Meters from	Method of
											Temp (deg C)	Salt	Bottom	Deployment
24	30	4055.1	6650.5	5	11	2014	5:53	91	13.14	32.77	12.36	33.58	5	B
25	31	4100.5	6649.6	6	11	2014	6:55	74	13.18	32.80	12.70	33.10	4	B
26	32	4105.3	6650.1	6	11	2014	7:40	74	13.56	32.79	13.20	32.87	5	B
27	33	4109.6	6645.5	6	11	2014	8:32	69	13.16	32.83	12.62	33.34	6	B
28	34	4100.2	6630.7	6	11	2014	10:01	111	14.76	33.75	13.54	35.35	7	B
29	35	4055.0	6605.9	6	11	2014	12:30	2300	16.68	34.56	10.81	35.37	2097	B
30	35	4054.6	6606.6	6	11	2014	13:00	2300	16.69	34.55	16.74	34.59	2266	W
31	36	4109.1	6618.8	6	11	2014	14:35	314	14.56	33.86	9.88	35.27	112	B
32	36	4109.3	6618.4	6	11	2014	15:03	278	14.56	33.87	8.84	35.19	4	W
33	37	4133.8	6615.3	6	11	2014	17:30	90	12.23	32.84	10.79	33.36	7	B
34	38	4134.3	6654.5	6	11	2014	20:18	65	14.79	32.80	14.78	32.80	3	B
35	39	4134.6	6710.1	6	11	2014	21:27	51	14.97	32.75	15.00	32.75	4	B
36	40	4130.0	6735.1	6	11	2014	23:11	42	15.12	32.68	15.08	32.67	4	B
6	41	4128.6	6741.1	6	11	2014	23:52	41	14.98	32.65	14.98	32.65	4	W
37	42	4127.2	6808.7	6	11	2014	2:17	50	14.01	32.71	14.03	32.71	4	B
38	43	4125.1	6848.9	6	11	2014	5:18	137	12.14	32.77	8.00	33.22	2	B
39	45	4150.2	6949.6	7	11	2014	11:30	74	11.40	32.16	11.21	33.14	7	B
40	46	4159.7	6940.4	7	11	2014	12:43	190	11.43	33.05	6.74	33.73	3	B
41	47	4204.8	7005.0	7	11	2014	14:47	31	11.63	32.34	11.59	32.46	5	B
42	48	4224.6	6954.4	7	11	2014	16:56	184	11.83	33.39	6.70	33.60	12	B
43	49	4230.1	6939.6	7	11	2014	18:35	259	11.32	33.10	6.91	33.91	57	B
44	49	4230.1	6939.1	7	11	2014	19:34	241	11.33	33.10	6.45	33.03	180	B
7	49	4230.0	6940.2	7	11	2014	20:07	256	11.32	33.10	7.61	34.20	2	W
45	50	4244.6	6929.6	7	11	2014	22:04	195	11.36	33.19	6.90	33.85	2	B
46	51	4335.0	7009.0	8	11	2014	6:59	27	10.63	32.13	11.30	32.64	2	B
47	53	4301.6	7009.8	8	11	2014	11:05	171	12.00	33.36	7.59	33.08	5	B
8	54	4259.8	7025.4	8	11	2014	12:38	102	11.11	32.85	11.06	33.29	5	W
9	55	4225.1	7036.7	8	11	2014	16:23	86	11.10	32.46	10.93	32.70	4	W

PC1405 ECOMON/Integrated Pelagics Survey
November 4 - 19, 2014

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
48	55	4224.8	7036.7	8	11	2014	16:38	85	11.10	32.47	10.88	32.71	4	B
10	56	4220.9	7028.9	8	11	2014	17:51	96	11.14	32.57	11.25	32.74	4	W
11	57	4218.7	7017.1	8	11	2014	18:55	34	11.17	32.51	11.10	32.60	3	W
49	58	4217.3	6955.4	8	11	2014	23:01	185	11.45	33.34	6.98	33.48	2	W
50	59	4219.9	6840.5	8	11	2014	3:51	198	10.75	32.70	6.29	33.61	11	B
51	61	4249.6	6844.9	9	11	2014	9:38	207	11.21	33.05	7.99	34.33	6	B
52	62	4250.2	6840.4	9	11	2014	10:27	194	11.20	33.09	7.98	34.30	6	B
53	63	4235.0	6810.6	9	11	2014	13:06	190	10.98	33.11	7.94	34.31	6	B
54	64	4214.9	6745.4	9	11	2014	15:38	232	11.65	32.74	9.62	35.15	29	B
55	64	4213.9	6745.0	9	11	2014	16:12	229	11.66	32.75	9.57	35.16	5	W
56	65	4210.2	6740.6	9	11	2014	17:00	189	11.20	32.56	9.14	34.89	5	B
12	67	4200.8	6741.2	9	11	2014	20:16	68	11.36	32.67	10.19	32.96	1	W
57	68	4154.0	6738.0	9	11	2014	21:03	36	11.40	32.83	11.41	32.83	3	B
58	69	4205.1	6700.8	9	11	2014	0:34	61	11.03	32.68	9.72	32.96	3	B
59	69	4205.0	6700.4	9	11	2014	23:36	62	10.92	32.71	9.99	32.91	7	B
60	70	4155.0	6615.6	9	11	2014	3:52	86	10.66	32.92	10.46	32.93	4	B
13	71	4144.9	6527.3	10	11	2014	7:09	1464	12.28	33.15	5.85	35.03	958	W
14	72	4213.3	6546.1	10	11	2014	10:08	222	12.74	33.33	9.72	35.24	6	W
61	72	4212.9	6546.3	10	11	2014	10:27	222	12.44	33.14	9.49	35.21	18	B
62	73	4234.6	6515.7	10	11	2014	13:30	101	12.54	32.79	11.75	34.11	9	B
63	74	4239.7	6555.0	10	11	2014	15:43	82	12.16	31.79	12.55	34.22	7	B
64	75	4229.9	6629.4	10	11	2014	18:02	261	12.74	32.44	7.62	35.12	59	B
65	75	4229.9	6630.4	10	11	2014	18:28	265	12.76	32.46	7.58	35.12	4	W
15	76	4225.1	6659.7	10	11	2014	20:36	364	12.98	33.42	7.81	35.09	1	W
66	76	4224.8	6659.5	10	11	2014	20:59	363	12.98	33.43	9.18	35.20	160	B
67	77	4234.5	6714.8	10	11	2014	0:09	288	11.22	33.28	8.86	35.13	86	B
68	77	4234.5	6715.8	10	11	2014	0:35	290	11.10	33.25	7.79	35.08	2	W

PC1405 ECOMON/Integrated Pelagics Survey
November 4 - 19, 2014

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
69	78	4249.8	6635.8	10	11	2014	3:32	171	12.31	32.66	11.78	35.04	4	B
16	79	4301.4	6620.8	10	11	2014	5:11	135	12.34	32.35	12.84	34.51	1	W
70	80	4306.3	6644.7	11	11	2014	6:50	158	12.34	32.79	12.26	34.80	19	V
71	81	4309.7	6704.8	11	11	2014	9:53	184	12.04	33.57	9.99	35.10	7	B
72	82	4309.9	6719.8	11	11	2014	11:12	185	11.80	33.44	9.47	34.87	5	B
73	83	4319.7	6725.1	11	11	2014	12:33	190	12.16	33.32	9.06	34.64	8	B
74	84	4309.9	6740.0	11	11	2014	14:06	186	10.98	33.34	8.63	34.46	2	B
17	85	4302.0	6741.7	11	11	2014	15:13	184	11.15	33.34	9.01	34.62	1	W
75	86	4315.0	6815.6	11	11	2014	17:36	194	11.22	33.27	8.25	34.25	8	B
18	87	4323.7	6743.0	11	11	2014	19:54	256	12.23	33.28	9.07	34.64	1	W
76	87	4323.6	6742.5	11	11	2014	20:19	251	12.22	33.33	8.74	34.49	49	B
19	88	4328.7	6752.6	11	11	2014	21:47	273	11.34	33.36	8.93	34.52	2	W
77	89	4338.8	6724.6	11	11	2014	0:12	215	12.54	33.71	9.80	34.86	1	V
78	90	4354.8	6640.6	11	11	2014	4:34	120	12.34	32.40	12.20	33.77	8	B
79	91	4354.8	6636.3	11	11	2014	5:08	88	12.45	32.48	12.48	33.51	6	B
80	92	4406.3	6646.5	12	11	2014	6:22	125	12.41	33.09	11.20	34.35	3	V
81	93	4414.3	6655.2	12	11	2014	9:10	174	12.11	33.29	9.85	34.39	6	B
20	94	4428.8	6713.3	12	11	2014	11:09	89	11.40	33.28	11.41	33.29	7	W
21	95	4412.1	6741.5	12	11	2014	13:30	104	11.46	33.35	11.26	33.86	6	W
82	96	4410.0	6749.9	12	11	2014	14:23	129	11.49	33.29	10.82	34.01	6	B
22	97	4346.4	6839.8	12	11	2014	18:38	114	11.58	33.16	11.37	33.74	7	W
83	98	4320.0	6919.5	12	11	2014	22:10	169	11.70	33.27	8.87	34.03	5	B
84	99	4314.7	6929.6	12	11	2014	23:15	137	11.83	33.29	9.29	33.95	3	B
85	100	4228.8	7015.7	13	11	2014	6:22	94	11.13	32.84	11.64	33.30	3	V
86	101	4219.8	7024.4	13	11	2014	8:51	94	10.96	32.50	11.18	32.74	8	B
87	102	4100.3	7134.6	13	11	2014	18:12	45	14.47	33.11	15.87	33.85	4	B
88	103	4050.6	7135.1	13	11	2014	19:27	60	14.82	33.30	16.41	34.26	9	B

PC1405 ECOMON/Integrated Pelagics Survey
November 4 - 19, 2014

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
89	104	4044.9	7105.5	13	11	2014	23:26	58	15.34	33.75	15.56	33.90	5	B
90	105	4030.7	7101.9	13	11	2014	0:48	76	14.20	33.19	15.90	34.41	4	B
23	106	4040.1	7037.6	13	11	2014	2:40	61	13.14	32.46	15.14	33.58	3	W
91	107	4044.8	7019.5	13	11	2014	5:33	49	12.80	32.26	13.06	32.40	4	B
92	108	4034.7	7024.3	14	11	2014	6:36	62	13.00	32.38	14.61	33.24	4	B
93	109	4015.1	7014.8	14	11	2014	8:25	97	13.84	32.85	15.25	34.97	8	B
94	110	3959.1	7005.2	14	11	2014	10:17	187	18.74	35.43	12.94	35.64	6	B
24	111	3950.3	7036.8	14	11	2014	12:54	812	18.93	35.53	6.19	35.05	305	W
25	112	4001.8	7036.3	14	11	2014	14:24	181	18.51	35.57	12.33	35.55	3	W
95	113	4014.9	7100.7	14	11	2014	17:06	118	14.44	33.29	13.66	35.66	7	B
96	114	4014.6	7124.1	14	11	2014	18:49	86	14.33	33.26	15.45	35.33	6	B
97	115	4009.8	7144.0	14	11	2014	20:16	81	14.59	33.51	16.35	34.98	4	B
98	116	3935.0	7204.8	14	11	2014	23:38	204	16.28	34.85	11.55	35.47	1	W
99	116	3934.8	7205.1	14	11	2014	23:55	180	16.54	34.98	12.21	35.55	6	B
100	117	3930.0	7244.9	14	11	2014	3:53	64	16.58	34.92	17.01	35.25	4	B
101	118	3934.8	7252.2	14	11	2014	4:41	64	16.53	34.94	16.55	34.93	3	V
102	119	3939.3	7259.3	15	11	2014	7:08	62	15.59	34.36	16.43	34.83	4	B
103	120	3947.7	7303.7	15	11	2014	8:09	60	15.77	34.41	16.07	34.52	7	B
104	121	3954.3	7310.0	15	11	2014	9:06	55	15.75	34.26	15.98	34.35	5	B
105	122	4004.7	7250.3	15	11	2014	10:52	52	15.03	33.84	16.17	34.39	7	B
106	123	4044.5	7230.3	15	11	2014	14:16	32	13.87	33.23	13.89	33.22	10	B
107	124	4040.0	7244.2	15	11	2014	16:49	33	13.28	33.03	13.28	33.03	9	B
108	125	4019.5	7354.2	15	11	2014	21:52	22	12.80	31.90	13.56	32.73	5	B
109	126	4010.5	7354.1	15	11	2014	23:00	19	13.35	32.78	13.88	33.14	3	B
110	127	3955.1	7335.3	15	11	2014	0:49	29	14.77	33.94	14.87	33.96	4	B
111	128	3940.0	7315.4	15	11	2014	2:39	42	15.30	34.20	15.32	34.20	4	B
112	129	3939.9	7334.3	15	11	2014	5:24	35	14.78	33.92	14.99	34.02	3	B
26	130	3942.4	7359.6	16	11	2014	7:14	28	12.97	32.81	12.96	32.82	7	W

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Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
113	131	3931.3	7410.7	16	11	2014	8:28	20	12.34	32.43	12.48	32.47	5	B
114	132	3929.8	7335.4	16	11	2014	10:40	38	14.94	34.00	14.93	34.00	6	B
27	133	3921.7	7323.7	16	11	2014	11:47	50	15.31	34.32	15.41	34.48	5	W
115	134	3915.1	7320.0	16	11	2014	12:33	55	15.44	34.32	15.89	34.58	7	B
116	135	3914.9	7300.4	16	11	2014	13:53	72	16.26	34.91	16.52	35.16	6	B
28	136	3903.6	7245.0	16	11	2014	15:22	138	16.88	35.43	13.90	35.64	3	W
29	137	3900.7	7235.1	16	11	2014	16:20	1014	16.65	35.25	6.45	35.06	509	W
117	138	3849.8	7304.2	16	11	2014	18:52	91	16.19	34.96	16.69	35.91	3	B
118	139	3844.8	7334.7	16	11	2014	21:03	63	15.97	34.78	16.37	35.04	3	B
119	140	3835.2	7344.5	16	11	2014	22:10	61	16.01	34.83	16.12	34.92	4	B
120	141	3849.7	7404.6	16	11	2014	0:02	46	14.17	33.28	15.02	33.94	3	B
121	142	3849.7	7414.4	16	11	2014	2:22	43	14.68	33.47	14.67	33.46	4	B
122	143	3842.8	7439.5	16	11	2014	4:06	26	14.10	32.93	14.12	32.94	5	B
123	144	3825.5	7450.4	17	11	2014	6:01	21	13.19	32.54	13.82	32.83	5	B
124	145	3820.5	7445.3	17	11	2014	6:43	27	14.71	33.22	14.68	33.21	4	B
125	146	3810.1	7431.0	17	11	2014	8:06	46	15.00	33.48	15.60	34.35	4	B
30	148	3742.5	7415.2	17	11	2014	12:50	111	16.88	35.29	14.60	35.66	9	W
126	148	3742.4	7414.8	17	11	2014	13:04	127	16.89	35.28	14.56	35.68	6	B
31	149	3750.4	7434.7	17	11	2014	15:06	54	15.18	33.58	16.19	34.74	7	W
32	150	3800.0	7457.2	17	11	2014	16:55	24	13.43	32.54	14.26	33.09	6	W
127	151	3730.4	7445.4	17	11	2014	19:42	53	15.89	33.95	15.88	33.96	7	B
128	152	3725.4	7445.1	17	11	2014	20:18	50	15.95	34.00	16.06	34.35	4	B
129	153	3729.7	7519.3	17	11	2014	22:40	26	14.53	32.77	14.51	32.94	4	B
130	154	3725.4	7524.4	17	11	2014	23:22	27	14.93	32.84	14.91	32.83	4	B
131	155	3710.4	7505.3	17	11	2014	1:28	37	15.66	33.73	15.95	34.06	3	B
132	156	3700.9	7516.6	17	11	2014	3:00	34	15.67	33.43	15.74	33.66	5	B
133	157	3625.1	7524.6	18	11	2014	6:40	29	15.67	33.17	15.92	33.75	1	B

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Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
33	158	3600.3	7510.5	18	11	2014	8:57	35	15.93	32.72	16.99	33.85	4	W
34	159	3559.3	7531.3	18	11	2014	10:39	22	14.58	31.06	15.27	31.82	5	W
134	160	3555.1	7524.9	18	11	2014	11:25	24	15.50	32.21	15.90	32.59	5	B
135	161	3530.2	7515.2	18	11	2014	13:36	29	16.85	32.60	19.09	34.15	5	B
136	162	3535.0	7455.7	18	11	2014	15:05	49	18.11	33.67	21.92	35.49	6	B
35	163	3559.9	7446.5	18	11	2014	17:37	400	17.31	34.66	6.48	35.07	3	W
137	164	3600.4	7443.8	18	11	2014	18:22	749	17.85	34.92	11.51	35.45	548	B
36	165	3600.2	7440.1	18	11	2014	19:13	1259	19.55	35.04	5.79	35.04	758	W
138	167	3620.2	7451.4	18	11	2014	23:54	76	16.56	34.57	16.71	34.64	4	V
139	168	3631.9	7448.3	18	11	2014	3:34	63	16.38	34.61	16.27	34.98	3	V
140	169	3644.6	7444.8	19	11	2014	9:48	80	16.23	34.44	15.27	35.38	4	B
141	169	3644.6	7445.3	19	11	2014	10:05	77	16.23	34.46	16.26	34.45	56	W

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

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