Northeast Fisheries Science Center
Woods Hole Laboratory
Woods Hole, MA 02543-1026

September 12, 2002

MEMORANDUM FOR: David Mountain
Jerry Prezioso

FROM: Maureen Taylor (ext 2306)

SUBJECT: ECOMON Survey NOB0201

CTD data from the ECOMON charter survey, NOB0201, have been processed and are now available in the following locations:

* whsun2: /ftp/pub/hydro/nob0201.dat (ASCII NODC file)
(and in /data4/hydro)

* ORACLE Tables: hydro_cruise, hydro_event, hydro_data

* nob0201.xls (copy attached)

* nob0201.pdf (coming soon via email)

There were a total of 141 casts successfully completed including 24 salinity calibration samples. A new entry has been made into the master cruise table (by Holly McBride) for the charter vessel Nobska and has been assigned the unique vessel code of "NS". Please let Cristina Bascuñán or me know if you have any questions concerning this data and for future cruise needs.

Areal average surface and bottom temp / salt and anomalies for Ecosystem Monitoring survey NOB0201.

		SURFACE					BOTTOM				
CRUISE	CD	#obs	T / S	Anomaly	SDV1	SDV2	#obs	T / S	Anomaly	SDV1	SDV2 (1)
						Gulf of Maine West					
NOB0201	240	20	18.33	1.59	0.27	1.55	18	7.78	1.01	0.22	1.17
NOB0201	240	20	32.24	0.19	0.12	0.41	18	33.64	0.11	0.08	0.2
						Gulf of Maine East					
NOB0201	238	16	16.7	2.36	0.26	1.61	14	9.32	0.88	0.3	1.96
NOB0201	238	16	32.56	0.16	0.13	0.38	14	34.33	0.25	0.09	0.35
						Georges Bank					
NOB0201	236	31	19.97	3.59	0.26	1.89	27	13.08	0.99	0.32	1.79
NOB0201	236	31	33.14	0.44	0.09	0.77	27	33.08	0.05	0.11	0.37
						MAB North					
NOB0201	231	24	23.63	3.51	0.39	1.33	21	11.22	1.03	0.45	1.85
NOB0201	231	24	32.30	-0.09	0.17	0.51	21	33.23	-0.13	0.15	0.37
						MAB South					
NOB0201	228	35	25.24	1.22	0.34	1.44	33	13.96	1.74	0.37	2.92
NOB0201	228	35	32.37	0.6	0.20	0.69	33	33.33	0.28	0.14	0.57

(1) "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 included 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.

(*) A true areal average could not be calculated due to poor station coverage. The average values listed were derived from a simple average of the observations within the region.

NOB0201 ECOMON SURVEY

14 - 29 August, 2002

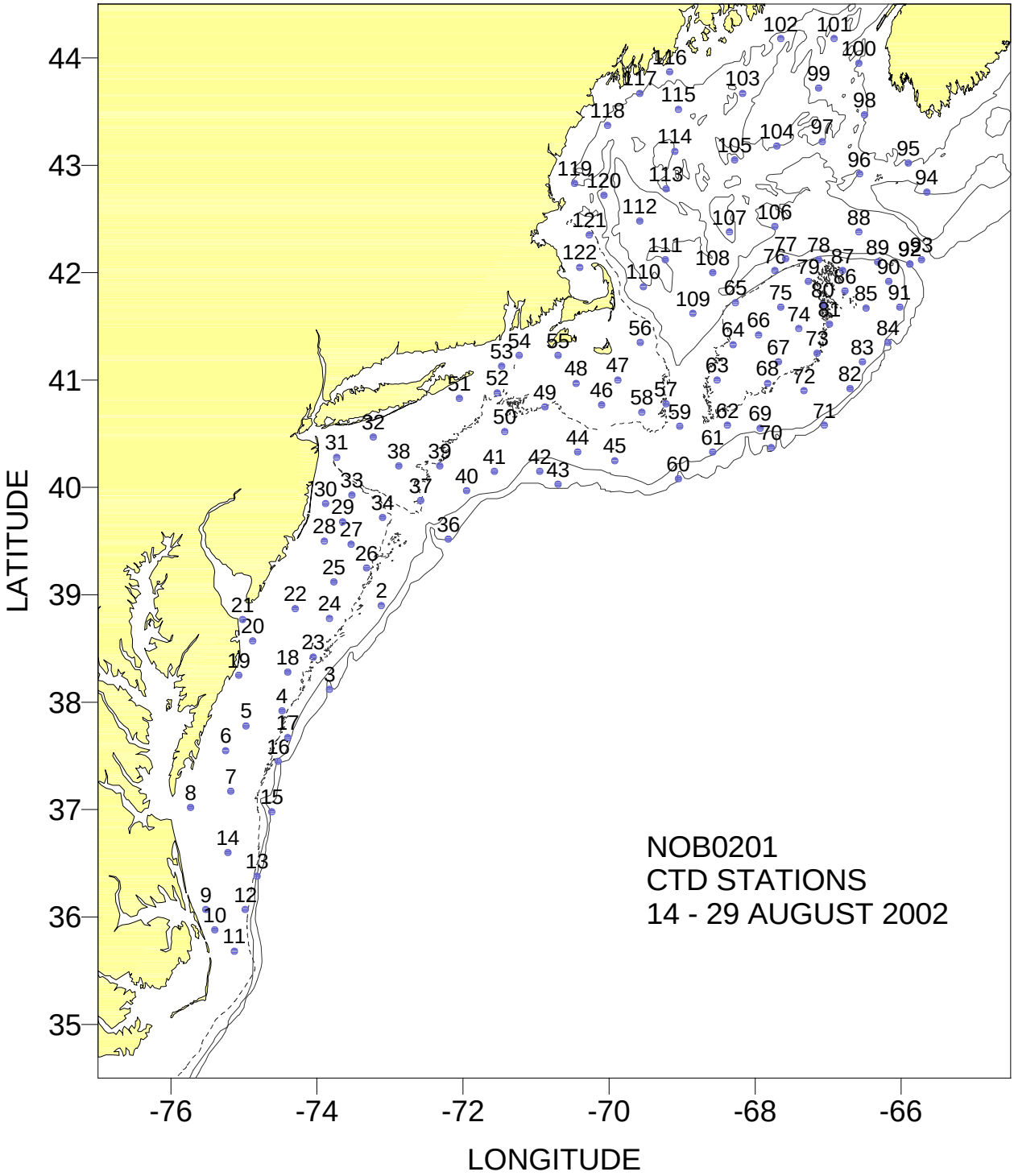
Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
4	2	3854.6	7307.1	14	8	2002	11:26	77	24.18	32.10	9.87	33.84	7
5	3	3807.4	7350.6	14	8	2002	15:30	772	25.41	33.81	11.74	35.49	576
6	4	3755.6	7429.9	14	8	2002	21:04	52	25.80	33.08	10.64	33.49	6
7	4	3755.5	7430.1	14	8	2002	21:10	52	25.79	33.06	10.64	33.47	4
8	5	3747.2	7458.7	14	8	2002	23:42	31	24.97	32.54	15.57	33.12	7
9	6	3732.5	7515.8	15	8	2002	1:46	26	25.56	32.29	20.28	33.01	7
10	7	3710.1	7511.1	15	8	2002	4:18	31	25.17	32.91	14.90	33.46	9
11	8	3701.3	7544.7	15	8	2002	7:20	14	25.75	29.85	23.47	32.75	4
12	9	3604.3	7531.7	15	8	2002	13:10	26	25.59	32.28	23.26	33.89	6
13	9	3604.2	7531.7	15	8	2002	13:22	26	25.56	32.27	23.17	33.90	4
14	10	3553.9	7524.5	15	8	2002	14:40	21	25.82	32.56	23.74	35.36	6
15	11	3541.0	7508.2	15	8	2002	16:31	36	26.95	34.37	23.55	35.92	6
16	12	3604.6	7459.2	15	8	2002	19:01	42	26.29	33.40	17.04	34.42	6
17	13	3623.5	7449.2	15	8	2002	21:00	85	25.75	33.35	14.23	35.42	7
18	14	3636.6	7513.2	15	8	2002	23:27	26	25.58	33.15	19.51	33.61	6
19	14	3636.5	7513.2	15	8	2002	23:34	26	25.57	32.97	18.49	33.73	3
20	15	3659.6	7437.7	16	8	2002	2:10	128	25.81	33.56	14.38	35.79	15
21	16	3727.9	7432.8	16	8	2002	6:10	85	25.51	33.13	15.55	35.88	8
22	17	3740.6	7424.7	16	8	2002	8:18	153	26.08	34.41	12.96	35.65	2
23	18	3817.4	7424.7	16	8	2002	12:21	40	25.02	32.10	11.17	33.19	6
24	19	3815.0	7504.1	16	8	2002	15:26	15	23.20	32.57	20.93	32.67	6
25	19	3815.0	7504.5	16	8	2002	15:38	15	22.91	32.45	19.17	32.97	4
26	20	3834.2	7453.6	16	8	2002	17:31	22	24.06	32.00	13.68	32.93	6
27	21	3846.1	7501.4	16	8	2002	19:08	14	19.31	32.33	18.17	32.43	7
28	22	3852.6	7418.4	16	8	2002	22:31	33	25.65	32.13	11.58	32.93	3
29	23	3825.9	7403.2	17	8	2002	1:38	56	25.85	32.73	9.49	33.38	6
30	23	3825.8	7402.8	17	8	2002	1:45	56	25.85	32.70	9.48	33.40	5
31	24	3847.1	7350.5	17	8	2002	4:07	47	25.51	32.19	9.55	33.04	6
32	25	3907.1	7346.4	17	8	2002	6:11	34	25.29	32.24	11.78	32.84	6
33	26	3915.2	7319.2	17	8	2002	8:13	55	24.89	31.90	8.94	32.92	5
34	27	3928.8	7332.4	17	8	2002	10:22	38	25.31	32.06	12.11	32.62	7

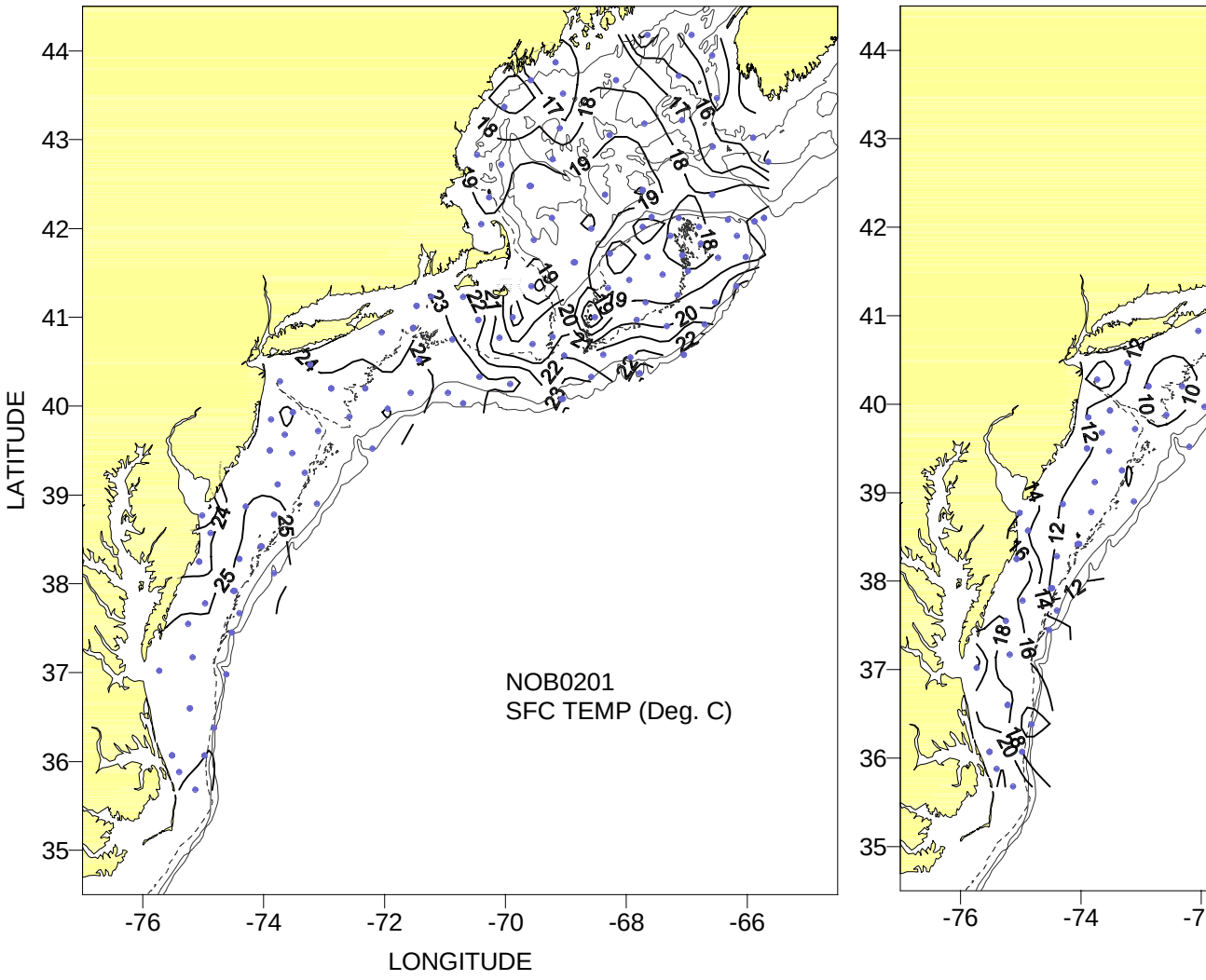
Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
35	28	3930.5	7354.5	17	8	2002	12:15	25	24.76	32.05	12.71	32.48	6
36	28	3930.4	7354.8	17	8	2002	12:22	24	24.72	32.00	12.50	32.57	2
37	29	3941.0	7339.6	17	8	2002	13:58	31	24.71	31.63	11.74	32.52	4
38	30	3951.6	7353.9	17	8	2002	15:33	23	24.68	31.72	14.00	32.33	6
39	31	4017.0	7344.6	17	8	2002	18:01	30	24.45	31.74	17.93	31.97	8
40	32	4028.3	7314.9	17	8	2002	20:37	29	23.66	31.27	13.94	32.28	6
41	33	3956.8	7331.9	18	8	2002	0:07	37	25.46	31.67	9.22	32.77	4
42	33	3956.6	7331.9	18	8	2002	0:19	38	25.36	31.50	9.14	32.77	3
43	34	3943.8	7307.6	18	8	2002	2:30	47	25.05	31.85	9.37	32.74	6
45	36	3931.7	7212.7	18	8	2002	7:19	152	25.13	32.28	13.20	35.65	9
46	37	3953.3	7235.5	18	8	2002	10:18	64	25.03	31.87	7.66	32.91	8
47	38	4012.6	7253.1	18	8	2002	12:48	49	24.03	31.69	8.98	32.78	7
48	38	4012.7	7253.4	18	8	2002	12:56	49	24.04	31.49	9.05	32.77	6
49	39	4012.5	7219.8	18	8	2002	15:31	64	24.82	32.05	7.49	32.87	7
50	40	3958.2	7157.6	18	8	2002	17:49	89	25.20	32.29	11.36	34.35	7
51	41	4009.0	7134.5	18	8	2002	19:52	86	24.98	32.39	10.88	34.23	7
52	42	4009.5	7057.3	18	8	2002	22:42	139	25.00	34.23	13.13	35.43	7
53	43	4002.2	7042.7	19	8	2002	0:13	173	24.25	33.78	12.31	35.50	4
55	44	4020.9	7026.1	19	8	2002	2:47	87	24.41	33.29	11.55	34.35	7
56	45	4015.8	6955.8	19	8	2002	5:22	89	23.81	33.08	11.93	34.14	7
57	46	4046.0	7006.5	19	8	2002	8:16	38	17.14	32.05	14.07	32.70	7
58	47	4100.1	6953.1	19	8	2002	10:01	33	18.41	31.83	18.38	31.83	8
59	48	4058.9	7027.3	19	8	2002	12:55	43	23.38	32.08	13.24	32.83	6
60	48	4058.9	7027.6	19	8	2002	13:01	43	23.37	32.00	13.23	32.83	4
61	49	4045.5	7053.6	19	8	2002	15:23	59	23.92	32.31	9.80	33.06	5
62	50	4031.6	7126.4	19	8	2002	18:02	69	24.82	32.15	9.29	33.09	7
63	51	4050.3	7203.2	19	8	2002	21:21	40	23.43	31.84	10.46	32.69	6
64	52	4053.4	7132.1	19	8	2002	23:40	57	24.24	31.88	9.29	32.79	5
65	52	4053.5	7131.6	19	8	2002	23:51	58	24.30	31.62	9.31	32.79	3
66	53	4108.3	7128.5	20	8	2002	1:22	28	23.11	31.93	14.13	32.33	6
67	53	4108.4	7128.6	20	8	2002	1:31	28	23.42	31.94	12.91	32.43	2
68	54	4114.5	7114.4	20	8	2002	2:49	36	23.60	31.85	12.94	32.47	5
69	55	4114.4	7042.2	20	8	2002	5:16	29	22.51	31.86	17.30	32.04	8
70	56	4121.1	6934.0	21	8	2002	22:53	27	16.07	32.05	13.53	32.12	6
71	57	4047.6	6913.0	22	8	2002	3:00	66	22.28	33.38	13.38	33.21	6
72	58	4042.8	6933.6	22	8	2002	4:52	46	19.10	32.64	13.48	32.66	7

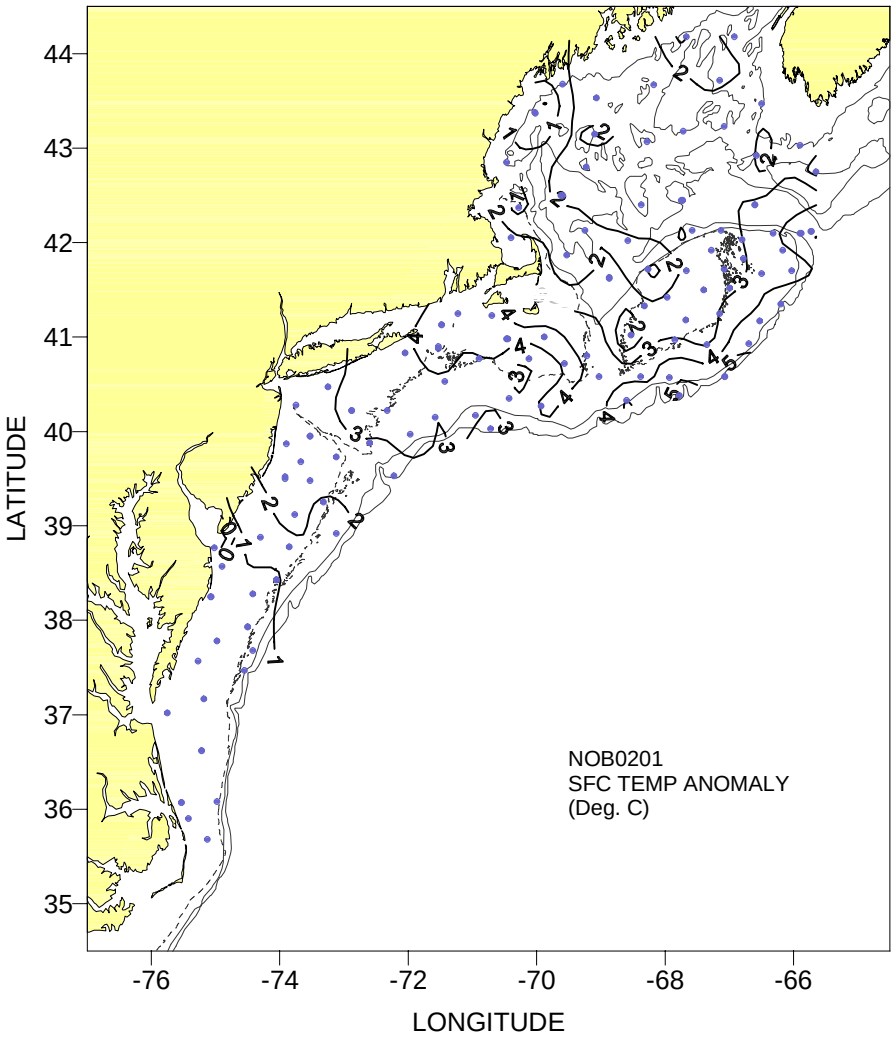
Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
73	59	4034.7	6902.0	22	8	2002	7:25	69	21.78	33.16	10.95	33.21	5
74	60	4005.1	6903.9	22	8	2002	10:16	246	25.22	35.30	11.55	35.45	5
75	60	4005.0	6904.0	22	8	2002	10:31	253	25.24	35.34	11.87	35.49	55
76	61	4020.3	6835.9	22	8	2002	13:25	99	23.14	34.09	11.94	34.51	5
78	62	4035.3	6823.4	22	8	2002	15:19	83	21.32	33.48	10.35	33.03	7
79	63	4100.7	6831.5	22	8	2002	18:01	47	15.95	32.52	15.58	32.54	4
80	64	4120.2	6818.5	22	8	2002	20:27	53	17.88	32.50	16.90	32.53	7
81	65	4143.1	6816.1	22	8	2002	22:46	44	16.65	32.57	15.05	32.65	7
82	65	4143.3	6816.4	22	8	2002	22:55	48	16.57	32.50	14.33	32.66	4
83	66	4125.1	6757.8	23	8	2002	1:32	44	18.51	32.46	18.53	32.46	7
84	67	4110.5	6741.3	23	8	2002	3:40	50	17.65	32.54	15.62	32.54	6
85	68	4058.3	6750.7	23	8	2002	5:10	54	19.72	32.48	13.23	32.61	3
86	69	4033.5	6756.3	23	8	2002	7:31	94	24.93	35.28	11.19	34.02	6
87	70	4022.9	6747.2	23	8	2002	8:51	152	25.16	35.28	11.66	35.40	8
88	71	4035.2	6703.8	23	8	2002	12:34	250	25.33	35.35	9.36	35.24	50
89	71	4035.3	6703.7	23	8	2002	12:49	261	25.31	35.32	7.57	35.09	3
90	72	4054.8	6720.6	23	8	2002	15:31	80	19.17	32.59	10.26	32.93	6
91	73	4115.0	6709.4	23	8	2002	17:38	60	19.01	32.47	13.53	32.64	6
92	74	4129.5	6724.3	23	8	2002	19:49	34	17.48	32.51	17.49	32.51	5
93	75	4141.8	6739.6	23	8	2002	21:37	46	17.84	32.52	17.82	32.52	5
94	76	4201.1	6744.6	23	8	2002	23:38	99	17.32	32.59	8.95	32.78	6
95	77	4208.1	6735.3	24	8	2002	1:04	177	21.00	32.09	7.99	34.45	7
97	78	4207.6	6708.2	24	8	2002	3:34	62	17.43	32.46	12.09	32.77	7
98	79	4155.0	6716.5	24	8	2002	5:13	51	16.77	32.54	16.75	32.54	4
99	80	4142.5	6704.5	24	8	2002	6:45	60	16.17	32.57	15.94	32.58	5
100	81	4131.3	6659.8	24	8	2002	7:50	65	17.68	32.53	14.54	32.61	7
101	82	4055.6	6642.4	24	8	2002	11:31	96	22.76	34.25	10.44	33.77	6
102	83	4110.2	6632.4	24	8	2002	13:19	93	19.48	33.01	11.28	34.06	5
103	84	4121.2	6611.8	24	8	2002	15:25	142	22.98	34.33	10.87	35.16	6
105	85	4140.3	6629.8	24	8	2002	17:58	74	18.11	32.36	14.08	32.65	7
106	86	4150.1	6646.5	24	8	2002	19:46	63	15.67	32.57	15.59	32.58	6
107	87	4201.9	6648.0	24	8	2002	21:16	68	17.19	32.45	12.52	32.68	7
108	88	4223.6	6635.8	24	8	2002	23:52	328	18.03	32.47	8.55	35.08	130
109	88	4223.8	6635.9	25	8	2002	0:22	322	17.97	32.41	8.13	35.08	7
110	89	4206.1	6619.4	25	8	2002	2:40	89	19.43	32.23	7.07	33.28	7
111	90	4155.2	6610.1	25	8	2002	4:24	92	18.22	32.14	8.44	32.93	5

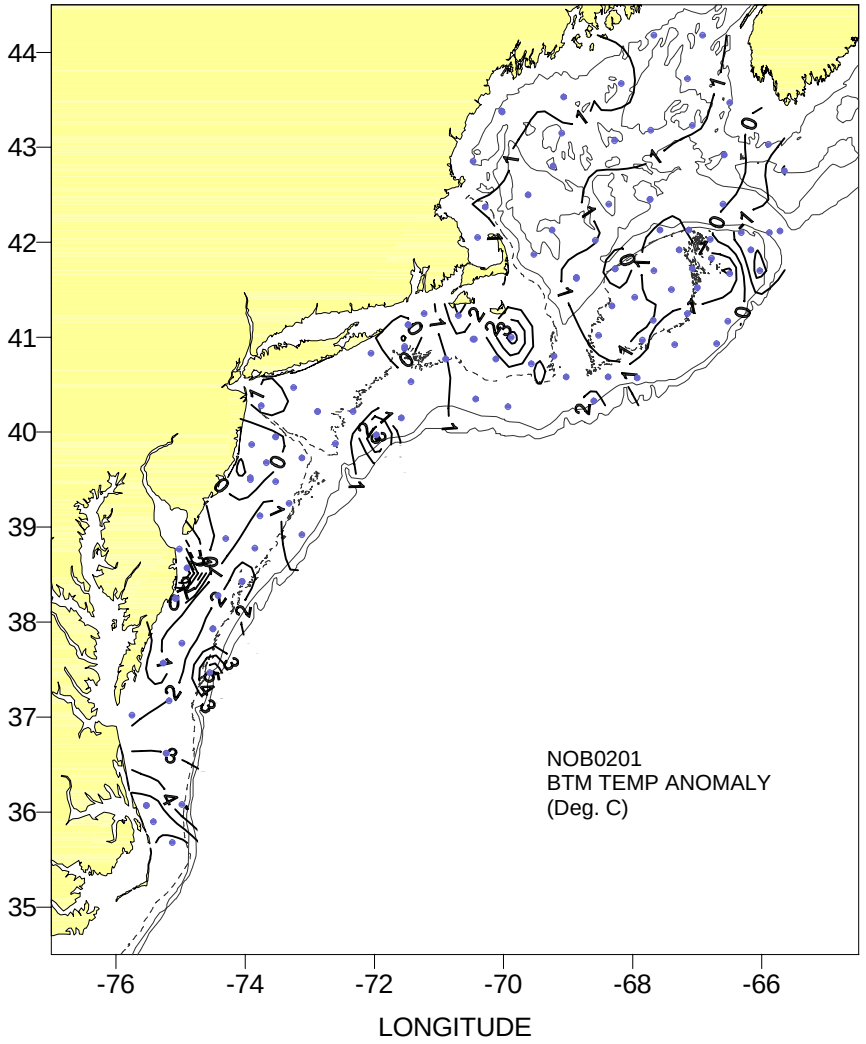
Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
112	91	4141.6	6601.6	25	8	2002	6:04	97	17.99	32.35	8.83	33.49	6
113	92	4205.7	6553.6	25	8	2002	8:56	252	19.50	32.43	7.47	35.07	53
114	92	4205.8	6553.0	25	8	2002	9:19	258	19.51	32.35	7.29	35.05	8
115	93	4207.3	6543.6	25	8	2002	10:15	266	19.85	32.94	8.08	34.89	68
116	93	4207.3	6543.3	25	8	2002	10:36	275	19.88	32.97	5.84	34.98	4
117	94	4245.3	6539.3	25	8	2002	14:25	107	14.67	32.81	6.89	33.17	6
118	95	4301.6	6554.3	25	8	2002	16:22	98	12.64	32.65	9.13	33.46	7
119	96	4255.0	6634.5	25	8	2002	19:34	190	13.78	32.86	10.46	34.78	7
120	97	4313.6	6705.4	25	8	2002	22:47	211	17.29	32.68	8.99	34.81	12
122	98	4328.4	6630.4	26	8	2002	1:58	103	14.38	32.95	10.38	33.85	3
123	99	4343.4	6708.6	26	8	2002	5:09	172	14.77	32.87	9.80	34.56	5
124	100	4357.1	6635.2	26	8	2002	8:04	88	12.30	32.80	11.02	33.25	9
125	101	4411.3	6655.2	26	8	2002	10:19	173	14.26	32.89	8.60	34.21	6
126	102	4411.3	6739.9	26	8	2002	13:30	98	12.84	32.93	9.75	33.57	8
127	103	4340.1	6810.7	26	8	2002	17:32	182	17.70	32.55	8.12	34.26	9
128	104	4311.4	6742.6	26	8	2002	21:07	200	18.91	32.45	8.47	34.55	7
130	105	4303.6	6817.4	27	8	2002	0:15	192	19.22	32.33	8.11	34.36	8
131	106	4226.8	6744.5	27	8	2002	4:37	224	20.19	32.02	8.43	34.84	25
132	106	4226.6	6744.3	27	8	2002	4:55	222	20.16	31.48	8.35	34.95	8
133	107	4223.8	6821.6	27	8	2002	7:50	210	20.49	31.92	8.04	34.59	6
134	108	4200.8	6835.3	27	8	2002	10:22	170	20.44	32.03	6.73	33.59	6
135	109	4137.6	6851.9	27	8	2002	13:01	126	20.08	31.90	6.19	33.20	2
137	109	4137.3	6852.3	27	8	2002	13:26	122	20.10	31.91	6.17	33.18	6
138	110	4152.3	6932.4	27	8	2002	16:38	192	18.50	32.09	7.24	33.89	8
140	111	4207.8	6914.5	27	8	2002	19:01	190	20.19	31.83	7.65	34.19	9
141	112	4229.7	6935.9	27	8	2002	22:02	250	19.87	32.14	7.72	34.23	50
142	112	4229.8	6936.6	27	8	2002	22:36	255	19.86	32.10	7.88	34.36	6
143	113	4247.8	6913.8	28	8	2002	1:00	140	18.69	32.29	6.97	33.46	5
144	114	4308.6	6906.4	28	8	2002	3:15	172	16.86	32.56	6.96	33.57	8
145	115	4331.7	6903.7	28	8	2002	5:45	120	16.09	32.69	8.62	33.44	7
146	116	4352.5	6910.6	28	8	2002	9:25	26	14.87	32.04	12.90	32.19	6
147	117	4340.9	6935.7	28	8	2002	11:28	83	15.93	32.11	9.18	32.68	24
148	118	4322.6	7001.5	28	8	2002	14:01	157	15.39	32.50	6.35	33.28	3
150	118	4322.3	7001.3	28	8	2002	14:23	170	15.36	32.52	6.48	33.39	6
151	119	4250.5	7028.4	28	8	2002	18:23	122	18.31	32.14	5.79	32.57	8
152	120	4243.5	7004.5	28	8	2002	20:27	141	18.63	32.10	6.89	33.19	8

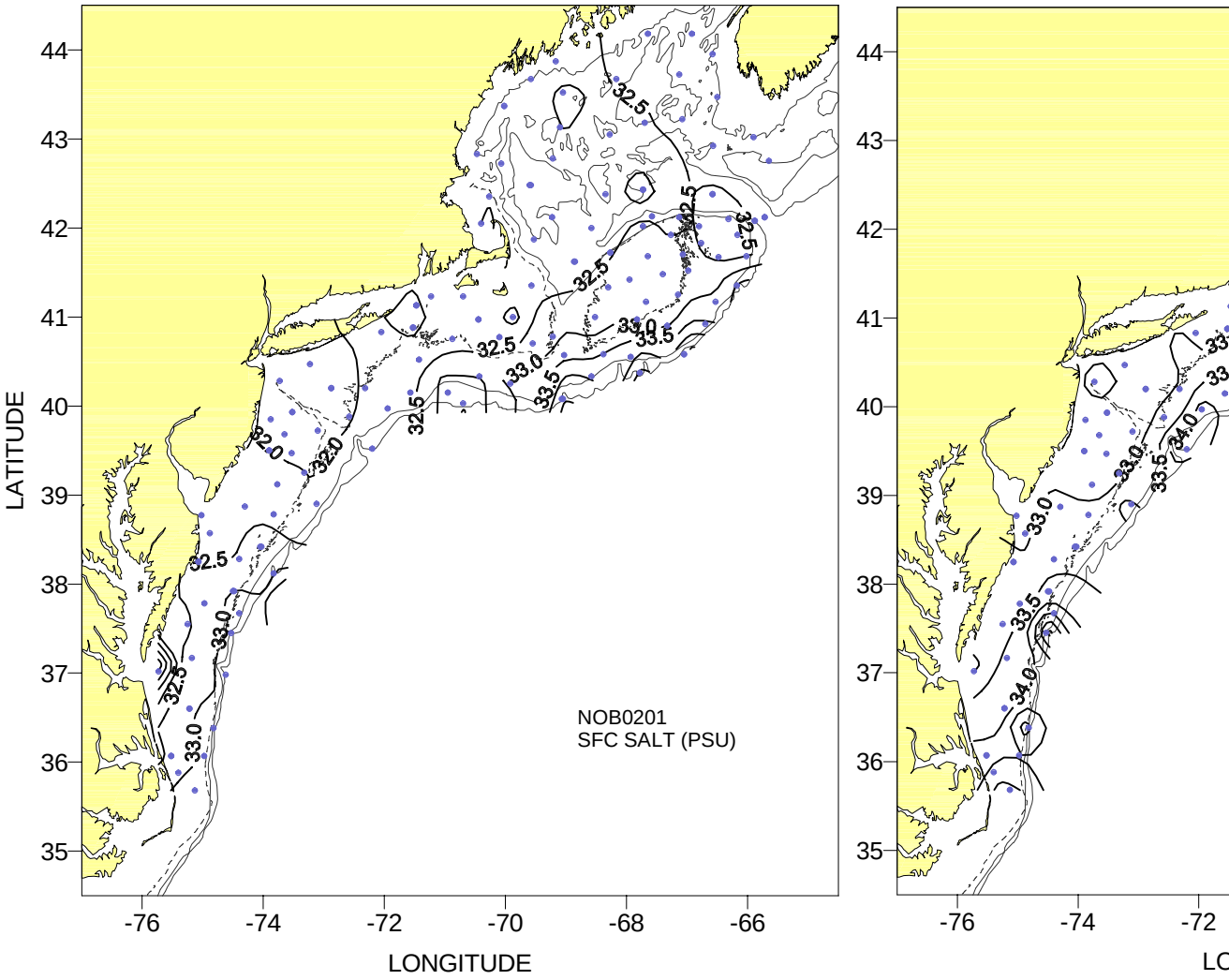
Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
153	121	4221.7	7016.5	28	8	2002	22:55	39	17.70	32.03	8.42	32.40	4
154	122	4203.2	7024.4	29	8	2002	0:56	54	19.29	31.72	7.93	32.29	4

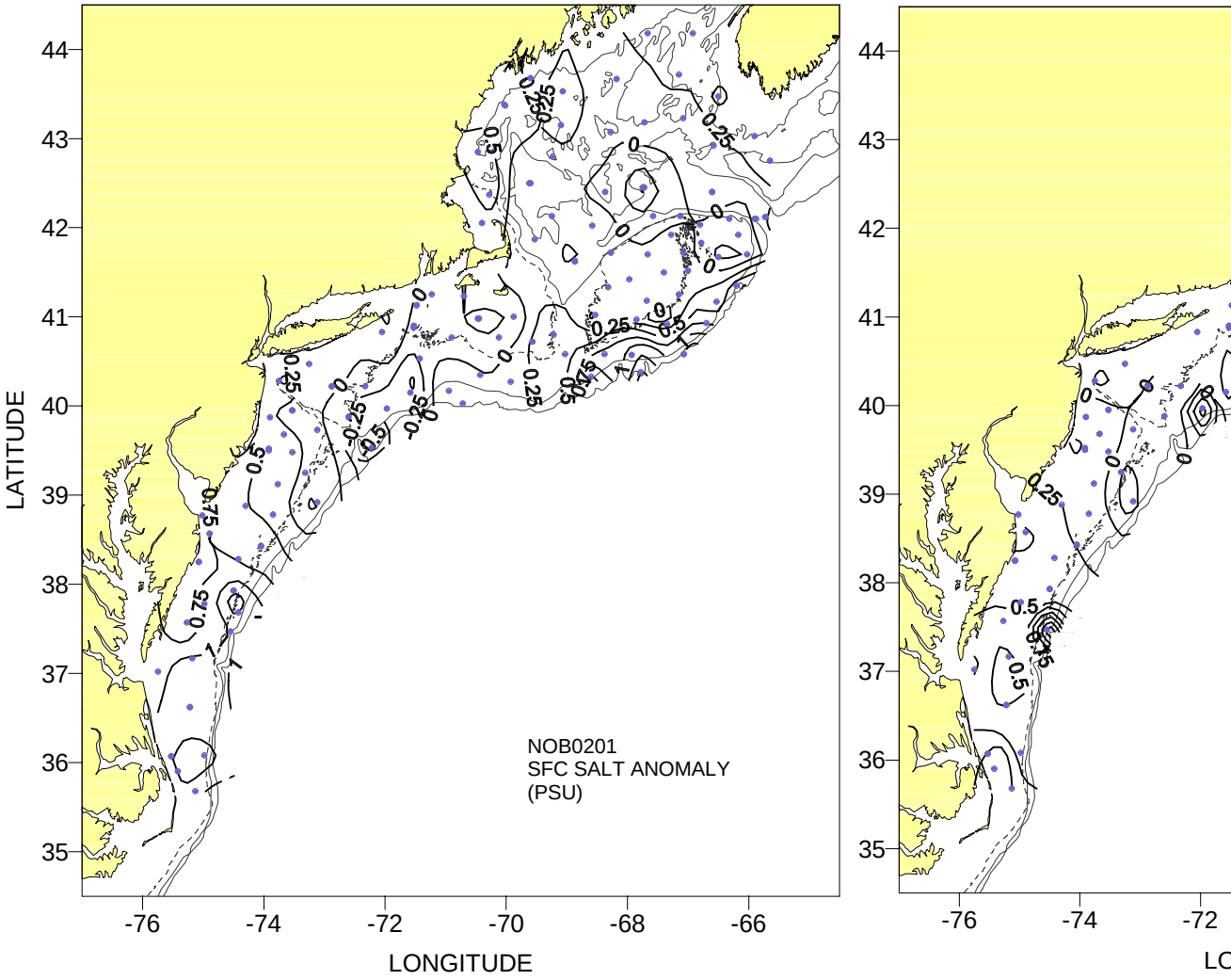

NOB0201
CTD STATIONS
14 - 29 AUGUST 2002
LATITUDE
LONGITUDE
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66


LATITUDE
LONGITUDE
NOB0201
SFC TEMP (Deg. C)


LATITUDE
LONGITUDE
NOB0201
SFC TEMP ANOMALY
(Deg. C)


LONGITUDE
NOB0201
BTM TEMP ANOMALY
(Deg. C)


LATITUDE
LONGITUDE
NOB0201
SFC SALT (PSU)
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66
32.5
33.0
33.5
32.0
34.0


LATITUDE
LONGITUDE
NOB0201
SFC SALT ANOMALY
(PSU)