

*Oceanography Branch CTD DATA REPORT  
ALB0306 ECOMON Survey*

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Date: December 1, 2003

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

December 1, 2003

MEMORANDUM FOR: David Mountain  
Carolyn Griswold  
Jerry Prezioso

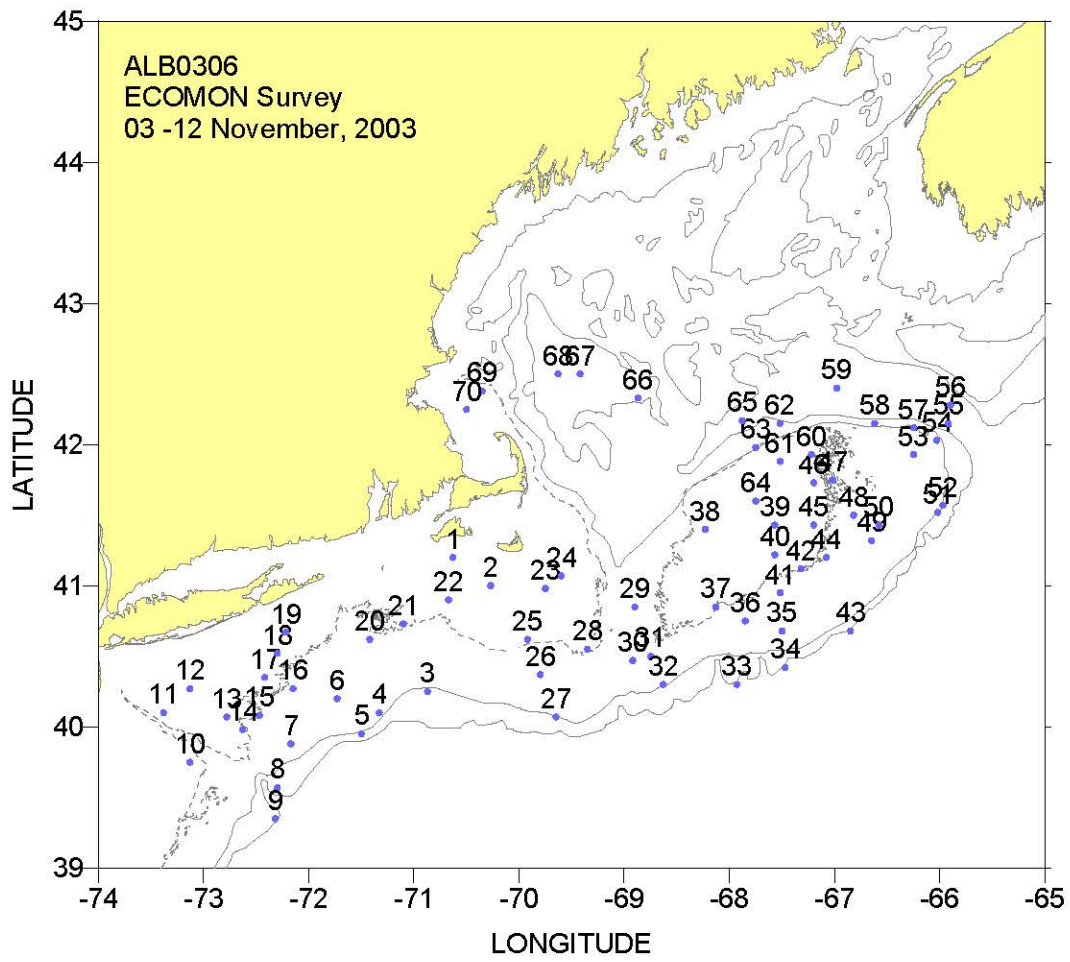
FROM: Maureen Taylor (ext 2306)

SUBJECT: ALB0306 ECOMON Survey

CTD data from the August ECOMON survey, ALB0306, have been processed and are now available in the following locations:

- \* whsun2: /ftp/pub/hydro/alb0306.dat (ASCII NODC file)  
(and in /data4/hydro)
- \* ORACLE Tables: hydro\_cruise, hydro\_event, hydro\_data (opsid=2003006AL)
- \* alb0306.pdf (distributed via email)

There were a total of 89 casts successfully completed including 14 salinity calibration samples. The data will be available in the ORACLE hydro tables by Tuesday, December 2<sup>nd</sup>. Please let Cristina Bascuñán or me know if you have any questions concerning this data and for future cruise needs.

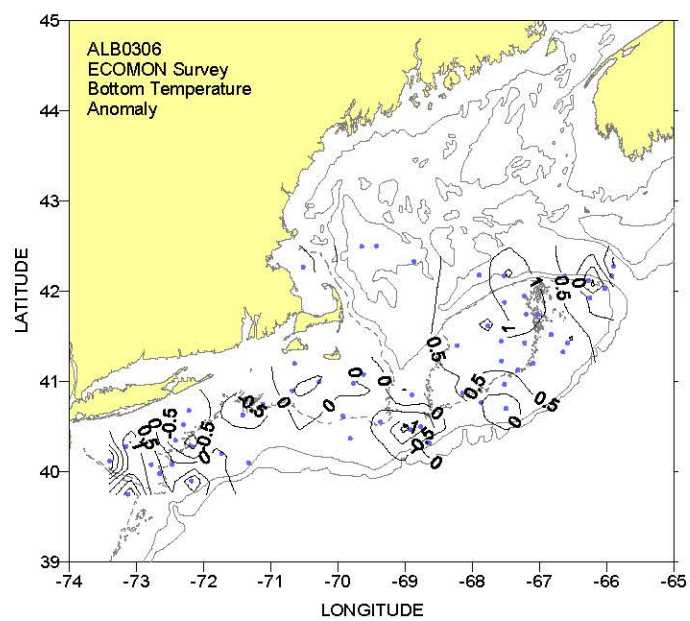
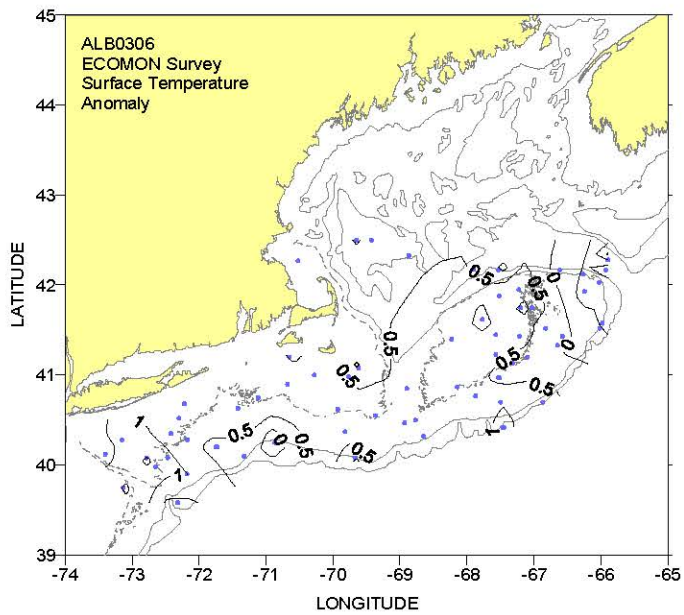
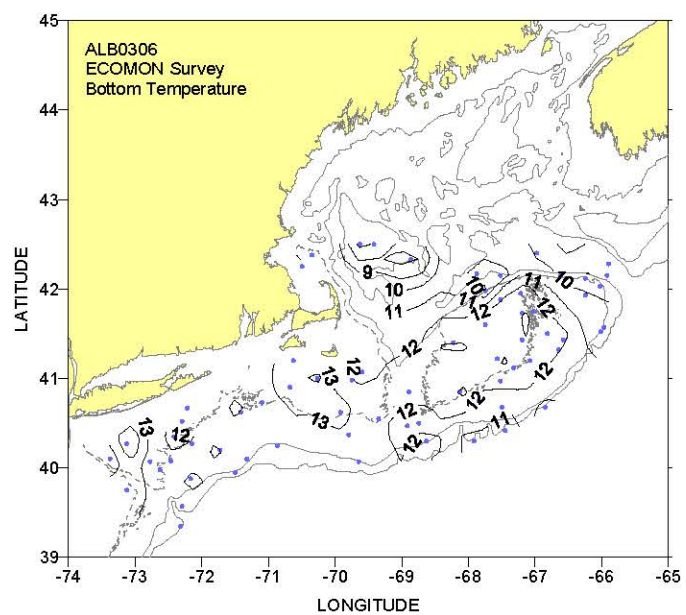
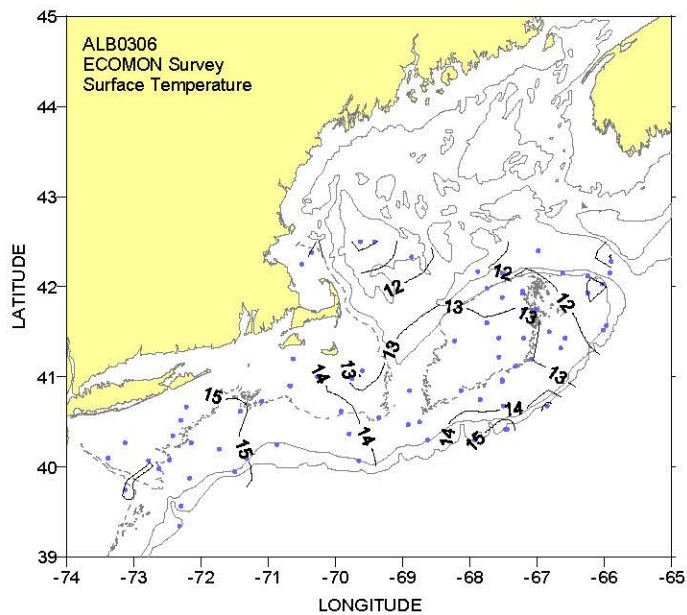


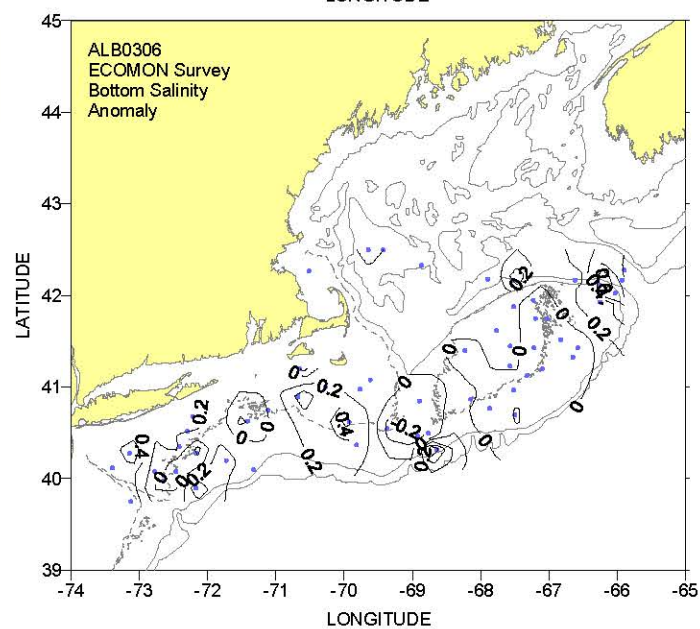
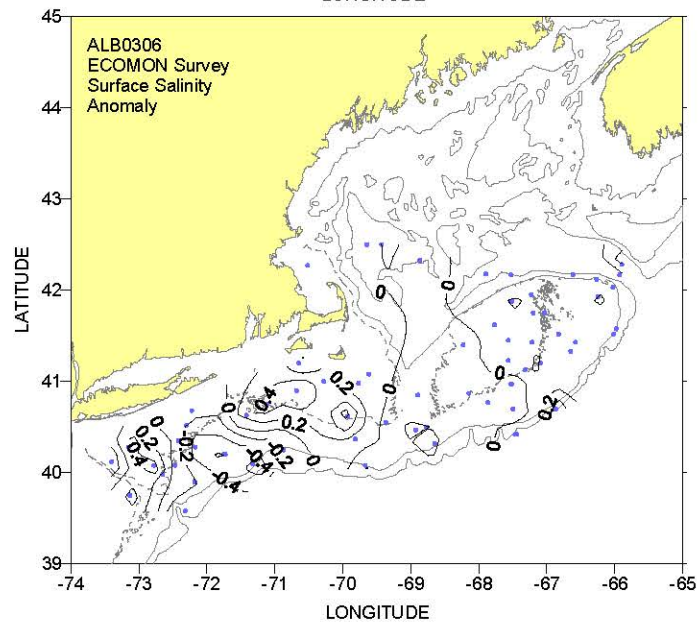
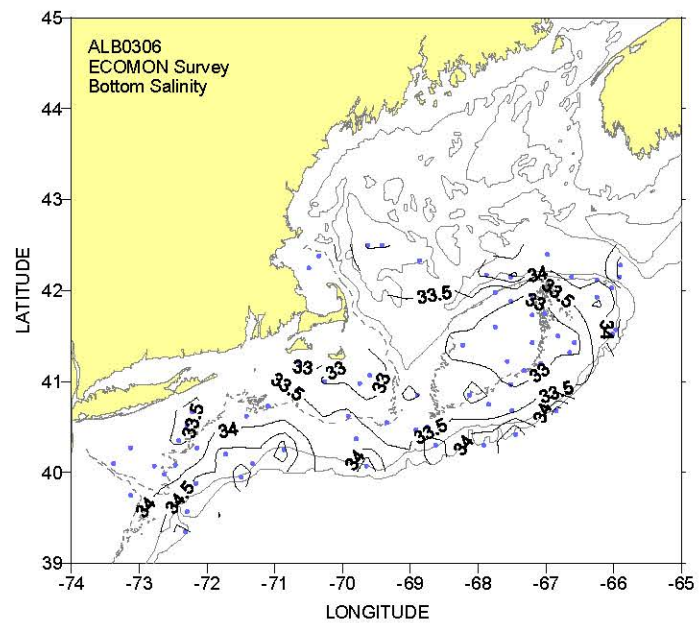
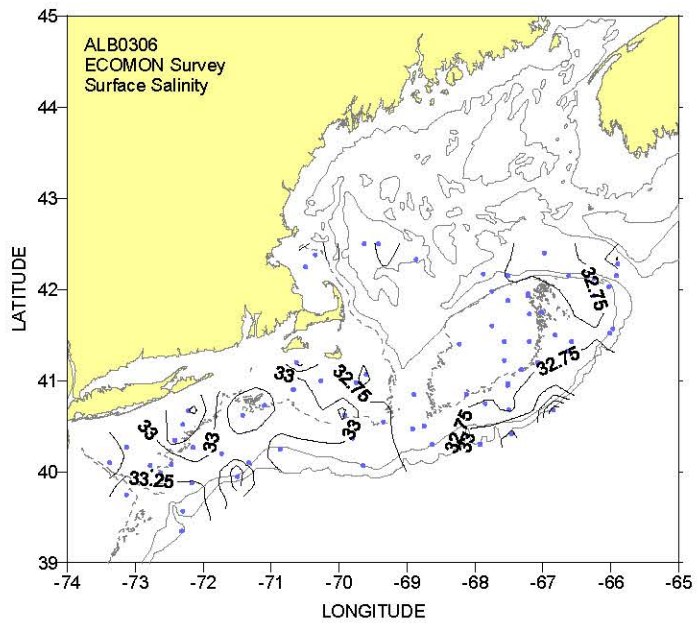
Areal average surface and bottom temp / salt and anomalies for August ECOMON survey ALB0306.

SURFACE							BOTTOM				
CRUISE	CD	#obs	T / S	Anomaly	SDV1	SDV2	#obs	T / S	Anomaly	SDV1	SDV2
<b>Gulf of Maine West</b>											
AL0306	316	5	10.04	0.15	0.56	.23*	3	6.68	0.24	0.52	.05*
AL0306	316	5	32.74	-0.05	0.21	.10*	3	34.03	0.03	0.12	.08*
<b>Gulf of Maine East</b>											
AL0306	315	6.00	11.19	-0.24	0.38	.64*	5	8.87	-0.04	0.43	1.61*
AL0306	315	6.00	32.72	0.11	0.16	.09*	5	34.56	0.64	0.15	.66*
<b>Georges Bank</b>											
AL0306	312	36	13.35	0.52	0.25	0.75	28	12.46	0.36	0.24	1.04
AL0306	312	36	32.73	0.00	0.08	0.17	28	32.95	-0.04	0.09	0.46
<b>MAB North</b>											
AL0306	309	27	14.96	0.67	0.35	0.50	22	12.96	-0.13	0.41	1.00
AL0306	309	27	33.03	0.03	0.15	0.52	22	33.77	0.27	0.15	0.44
<b>MAB South</b>											
AL0306	308	5	15.96	1.10	0.67	.75*	4	13.90	1.40	0.72	2.17*
AL0306	308	5	33.34	0.14	0.33	.55*	4	33.82	0.44	0.24	.22*

(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.





## ALB0306 Fall Ecomon Survey

03- 12 November, 2003

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	4112.2	7038.6	3	11	2003	18:06	29	14.08	32.33	13.92	32.33	7
3	2	4100.1	7016.6	3	11	2003	20:10	35	14.47	32.80	14.27	32.94	5
4	3	4015.2	7052.4	4	11	2003	0:58	119	14.26	32.82	12.81	35.43	6
5	4	4006.4	7120.3	4	11	2003	3:16	95	14.85	33.04	13.02	34.93	6
6	5	3957.6	7130.1	4	11	2003	4:28	123	15.74	33.85	12.15	35.46	6
7	6	4012.0	7144.5	4	11	2003	6:28	78	15.29	33.02	12.70	34.42	27
8	6	4012.1	7144.4	4	11	2003	6:33	78	15.21	33.10	13.54	34.92	3
9	7	3953.5	7210.9	4	11	2003	9:10	82	15.68	33.33	13.51	34.91	5
10	8	3934.8	7218.5	4	11	2003	11:19	111	15.67	33.51	12.33	35.13	8
11	9	3921.2	7219.7	4	11	2003	13:04	162	15.83	33.52	12.05	35.47	8
12	10	3945.4	7308.0	4	11	2003	17:55	47	16.08	33.50	16.39	34.06	14
13	10	3945.4	7308.0	4	11	2003	18:04	47	16.26	33.45	14.20	33.90	5
14	11	4006.8	7323.9	4	11	2003	20:23	42	15.64	32.70	12.39	33.59	6
15	12	4016.9	7308.9	4	11	2003	22:23	38	15.77	33.03	15.76	33.52	5
16	13	4004.7	7247.1	5	11	2003	0:49	53	16.16	33.56	12.62	33.71	7
17	14	3959.0	7238.7	5	11	2003	1:52	57	16.04	33.68	12.39	33.90	5
18	15	4005.4	7228.3	5	11	2003	3:10	60	15.73	33.13	11.83	33.70	7
19	16	4016.7	7209.8	5	11	2003	5:18	61	15.31	32.83	15.45	32.98	31
20	16	4016.5	7209.7	5	11	2003	5:25	61	15.28	32.84	11.83	33.57	5
21	17	4021.1	7225.1	5	11	2003	6:49	52	15.20	32.59	11.55	33.37	4
22	18	4031.0	7218.1	5	11	2003	8:07	51	15.06	32.37	11.84	33.27	3
23	19	4040.5	7213.1	5	11	2003	9:22	46	15.13	32.25	12.92	33.22	4
24	20	4037.9	7125.0	5	11	2003	13:08	62	15.38	33.72	11.60	33.73	6
25	21	4044.5	7106.8	5	11	2003	14:49	59	15.03	33.59	12.15	33.69	3
26	22	4054.2	7040.9	5	11	2003	17:04	51	14.64	33.32	14.44	33.53	18
27	22	4054.2	7041.1	5	11	2003	17:12	53	14.55	33.27	14.34	33.57	5
28	23	4059.0	6945.5	5	11	2003	21:52	39	12.14	32.24	12.12	32.24	6
29	24	4104.8	6936.8	5	11	2003	23:00	42	11.51	32.40	11.41	32.43	4
30	25	4037.2	6955.9	6	11	2003	2:19	56	14.54	33.34	13.83	33.52	7
31	25	4037.1	6955.9	6	11	2003	2:46	56	14.73	33.39	13.50	33.63	5
32	26	4022.2	6948.9	6	11	2003	4:22	75	14.36	32.94	12.26	33.63	6
34	27	4004.6	6939.9	6	11	2003	6:22	106	14.42	32.95	12.90	35.08	5

Cast #	Sta #	Lat	Long	Day	Mo	Yr	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
35	28	4033.2	6921.6	6	11	2003	9:34	56	13.80	32.79	12.47	33.08	5
36	29	4051.3	6854.4	6	11	2003	12:10	69	13.63	32.63	13.51	32.64	6
37	30	4028.4	6855.5	6	11	2003	14:38	75	13.67	32.55	10.94	33.26	7
38	31	4030.2	6845.5	6	11	2003	15:30	71	13.66	32.60	11.17	33.18	6
39	32	4018.8	6838.7	6	11	2003	16:49	100	13.68	32.53	12.60	32.73	65
40	32	4018.9	6838.7	6	11	2003	16:58	100	13.70	32.52	12.79	34.82	4
41	33	4018.5	6756.2	6	11	2003	20:10	233	16.10	33.47	10.92	35.29	33
42	33	4018.4	6755.4	6	11	2003	20:31	244	15.92	33.37	9.75	35.23	7
43	34	4025.2	6728.3	6	11	2003	22:43	220	15.91	33.35	10.73	35.28	21
44	34	4025.0	6727.4	6	11	2003	23:08	250	15.81	33.40	10.01	35.25	6
45	35	4041.9	6730.3	7	11	2003	0:53	89	13.60	32.67	10.83	33.44	7
46	36	4045.7	6751.8	7	11	2003	2:40	67	13.38	32.67	11.79	32.94	6
47	37	4051.7	6808.7	7	11	2003	4:13	56	13.60	32.63	13.42	32.71	5
48	38	4124.0	6814.2	7	11	2003	8:01	48	14.41	32.51	14.42	32.50	19
49	38	4124.1	6814.1	7	11	2003	8:07	47	14.38	32.53	14.41	32.48	4
50	39	4126.6	6734.2	9	11	2003	14:04	40	14.33	32.45	14.35	32.51	12
51	40	4113.5	6734.4	9	11	2003	15:37	42	14.15	32.56	14.17	32.54	6
52	41	4057.9	6731.5	9	11	2003	17:15	69	13.02	32.68	12.94	32.67	40
53	41	4058.0	6731.3	9	11	2003	17:23	70	13.09	32.69	12.34	32.80	5
54	42	4107.7	6719.2	9	11	2003	18:53	59	13.17	32.67	13.05	32.68	6
55	43	4041.9	6651.9	9	11	2003	21:58	198	15.35	33.95	10.60	35.32	7
56	44	4112.3	6705.9	10	11	2003	1:34	62	12.95	32.72	12.76	32.73	6
57	45	4126.2	6712.5	10	11	2003	3:01	50	13.49	32.64	13.52	32.62	6
59	46	4144.5	6712.2	10	11	2003	5:01	56	13.63	32.61	13.66	32.59	6
60	47	4145.1	6701.6	10	11	2003	5:49	61	13.50	32.66	13.35	32.63	6
61	48	4130.6	6649.5	10	11	2003	7:19	69	12.78	32.74	12.72	32.70	3
62	49	4119.9	6639.0	10	11	2003	8:34	82	11.85	32.77	11.53	32.87	5
63	50	4126.4	6635.4	10	11	2003	9:34	86	12.38	32.71	12.41	32.71	4
64	51	4131.2	6601.4	10	11	2003	12:15	128	11.33	32.75	9.46	34.10	7
65	52	4134.9	6558.8	10	11	2003	12:58	123	11.17	32.70	11.71	35.12	6
66	53	4156.2	6615.2	10	11	2003	15:26	79	10.56	32.91	10.43	32.97	6
67	54	4202.4	6602.2	10	11	2003	16:37	97	10.48	32.63	8.76	33.88	7
68	55	4209.8	6555.8	10	11	2003	17:52	227	11.57	32.72	9.22	35.20	5
69	56	4217.2	6554.0	10	11	2003	18:49	229	9.54	32.11	9.50	35.24	4
70	57	4207.0	6615.8	10	11	2003	20:52	102	11.06	32.79	8.65	34.33	8
71	58	4209.7	6637.4	10	11	2003	22:49	167	11.03	32.79	9.02	34.70	10



<b>Cast #</b>	<b>Sta #</b>	<b>Lat</b>	<b>Long</b>	<b>Day</b>	<b>Mo</b>	<b>Yr</b>	<b>Time (GMT)</b>	<b>Btm Depth</b>	<b>Sfc Temp</b>	<b>Sfc Salt</b>	<b>Btm Temp</b>	<b>Btm Salt</b>	<b>Meters from Bottom</b>
72	59	4224.4	6659.6	11	11	2003	1:08	360	10.46	32.84	8.70	35.07	162
73	59	4224.4	6659.5	11	11	2003	1:49	360	10.54	32.88	8.67	35.08	7
74	60	4156.9	6713.7	11	11	2003	5:07	58	12.64	32.82	12.69	32.67	25
75	60	4157.1	6713.5	11	11	2003	5:13	58	12.68	32.67	12.70	32.62	5
76	61	4153.1	6731.4	11	11	2003	7:05	41	12.91	32.63	12.91	32.64	2
77	62	4209.8	6731.6	11	11	2003	8:58	188	10.99	32.84	9.13	35.01	4
78	63	4159.0	6745.8	11	11	2003	10:55	67	12.48	32.69	8.65	33.04	6
79	64	4136.9	6745.5	11	11	2003	13:31	38	12.94	32.62	12.96	32.59	5
80	65	4210.8	6753.7	11	11	2003	16:28	239	11.78	32.64	8.79	34.84	41
81	65	4210.9	6753.7	11	11	2003	17:13	244	11.80	32.62	8.80	34.89	7
82	66	4220.2	6852.1	11	11	2003	21:42	214	11.11	32.67	6.51	33.95	5
83	67	4230.0	6925.5	12	11	2003	0:22	263	9.89	32.86	6.43	33.93	66
84	67	4230.0	6925.5	12	11	2003	1:10	263	9.87	32.83	6.81	34.10	8
85	68	4230.3	6938.9	12	11	2003	2:31	247	9.66	32.67	6.50	33.96	49
86	68	4230.3	6938.9	12	11	2003	3:19	247	9.68	32.67	6.72	34.05	5
87	69	4223.0	7021.8	12	11	2003	6:35	30	9.47	32.12	9.58	32.57	6
88	69	4223.1	7021.8	12	11	2003	6:43	30	9.49	32.05	9.60	32.54	4
89	70	4215.5	7030.8	12	11	2003	7:55	67	10.18	32.14	8.11	32.76	5