

*Oceanography Branch CTD Data Report
Winter Groundfish Survey - ALB0602*

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DATE: 3/31/06

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March 31, 2006

MEMORANDUM FOR: David Mountain
Linda Despres
Yvonna Rowinski

FROM: Cristina Bascuñán (ext. 2243)

SUBJECT: ALB0602 – Winter Groundfish Survey

CTD data from the Winter Bottom Trawl cruise have been processed and are now available. There were 132 casts done, including 26 for calibrations. Hydrographic data for this cruise may be found in the following location:

- whsun2: /ftp/pub/hydro/del0514.dat (NODC file)
- Oracle

Please note that the data will not be available in the Oracle tables until Monday, April 3, 2006.

Please call if you have any questions.

Areal average surface and bottom temp / salt and anomalies for the Winter Groundfish survey ALB0602

CRUISE	CD	SURFACE					BOTTOM				
		#obs	T / S	Anomaly	SDV1	SDV2	#obs	T / S	Anomaly	SDV1	SDV2
Georges Bank											
ALB0602	60	10	6.97	1.5	0.45	4.74*	4	5.68	0.12	0.62	6.23
ALB0602	60	10	33.37	-0.09	0.3	1.35*	4	32.91	-0.49	0.37	1.73*
Mid Atlantic Bight North											
ALB0602	53	44	6.12	1.01	0.2	1.46	36	7.23	1.83	0.24	1.38
ALB0602	53	44	32.47	-0.69	0.13	0.46	36	32.91	-0.56	0.14	0.35
Mid Atlantic Bight South											
ALB0602	44	62	8.26	1.78	0.18	2.49	50	9.54	3.12	0.21	2.87
ALB0602	44	62	32.78	-0.89	0.13	0.78	50	33.44	-0.29	0.13	0.83

(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; "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 wa 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.

ALB0602
 Winter Bottom Trawl
 8 February - 2 March, 2006

Cast #	Sta #	Lat	Lon	Day	Mo	Year	Time	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from btm
1	1	3904.90	7249.60	8	2	2006	6:35	112	8.4	32.96	13.1	35.42	7
2	2	3854.00	7256.10	8	2	2006	9:16	108	8.9	33.25	13.6	35.49	7
3	3	3852.70	7306.70	8	2	2006	11:25	77	9.8	33.70	13.1	35.13	4
4	4	3850.10	7300.80	8	2	2006	13:22	104	8.0	32.82	13.3	35.27	6
5	5	3844.90	7305.20	8	2	2006	14:55	137	7.9	32.72	13.4	35.34	8
6	7	3831.90	7320.40	8	2	2006	19:37	111	10.0	33.67	11.9	35.47	4
7	8	3833.10	7327.10	8	2	2006	21:36	83	9.6	33.68	12.0	34.50	7
8	9	3837.20	7339.20	8	2	2006	23:31	57	8.3	33.14	11.2	34.20	8
9	10	3814.80	7344.70	9	2	2006	2:35	116	9.5	33.64	13.6	35.71	9
10	11	3812.10	7340.10	9	2	2006	4:19	436	9.4	33.57	7.3	35.09	4
11	12	3802.70	7353.20	9	2	2006	7:00	153	10.9	34.20	13.4	35.65	5
12	13	3802.60	7403.80	9	2	2006	9:00	105	10.0	33.93	13.6	35.69	5
13	14	3753.20	7405.40	9	2	2006	10:55	158	10.8	34.23	13.0	35.63	7
14	15	3754.80	7424.80	9	2	2006	13:58	57	7.5	32.32	11.6	34.49	7
15	16	3742.30	7425.60	9	2	2006	15:52	65	8.2	32.82	13.7	35.38	5
16	17	3733.00	7418.70	9	2	2006	17:38	270	9.1	33.42	13.6	35.75	73
17	17	3733.90	7417.90	9	2	2006	18:10	347	9.1	33.39	10.0	35.30	6
18	18	3730.60	7423.20	9	2	2006	20:43	97	9.2	33.47	14.0	35.69	4
19	19	3721.40	7427.70	9	2	2006	22:37	288	8.8	33.28	10.5	35.39	5
20	20	3724.90	7440.70	10	2	2006	1:49	59	8.8	33.26	12.4	35.11	6
21	21	3719.10	7446.20	10	2	2006	3:22	54	9.0	33.35	11.6	34.72	9
22	22	3714.10	7436.30	10	2	2006	5:40	88	9.9	33.89	13.7	35.46	6
23	23	3707.10	7441.90	10	2	2006	7:24	98	10.2	34.02	13.5	35.36	4
24	24	3703.20	7447.50	10	2	2006	11:30	65	10.3	34.13	12.7	34.97	6
25	25	3651.50	7439.00	10	2	2006	13:46	172	10.9	34.27	12.7	35.60	8
26	26	3650.60	7438.80	10	2	2006	16:25	185	9.5	33.64	12.4	35.57	7
27	27	3625.80	7448.40	10	2	2006	19:58	83	10.7	33.02	12.0	35.28	3
28	28	3620.70	7446.20	10	2	2006	21:46	300	10.7	33.31	9.9	35.29	3
29	29	3617.80	7449.20	10	2	2006	23:55	90	11.1	33.77	11.3	34.39	7
30	30	3615.00	7452.60	11	2	2006	1:30	77	11.8	33.99	11.6	34.49	7

Cast #	Sta #	Lat	Lon	Day	Mo	Year	Time	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from btm
31	31	3602.10	7446.90	11	2	2006	3:42	320	11.2	34.20	9.9	35.28	7
32	32	3550.30	7450.20	11	2	2006	6:35	420	15.8	35.27	8.4	35.17	1
33	33	3552.80	7452.70	11	2	2006	8:41	89	16.5	35.37	13.0	34.95	6
34	34	3537.90	7451.00	11	2	2006	11:10	78	17.9	36.04	17.6	36.31	7
35	35	3533.20	7501.10	11	2	2006	13:19	42	19.8	36.35	19.6	36.36	7
36	36	3553.70	7518.50	11	2	2006	16:31	19	11.0	32.46	15.8	99.99	7
37	37	3554.90	7510.10	11	2	2006	17:51	28	12.8	33.37	17.5	35.67	7
38	38	3606.90	7509.70	11	2	2006	19:37	31	10.4	32.66	17.8	35.74	5
39	39	3619.20	7502.00	11	2	2006	21:43	37	10.6	33.10	15.1	34.86	5
40	40	3641.00	7516.00	12	2	2006	1:00	25	7.7	9999	7.8	31.45	7
41	41	3642.80	7513.90	12	2	2006	2:30	38	7.7	31.30	8.7	32.69	8
42	42	3650.90	7530.10	12	2	2006	4:46	25	7.7	31.27	8.5	32.24	5
43	43	3650.90	7514.10	12	2	2006	6:39	29	8.1	32.18	8.4	32.52	5
44	44	3706.00	7457.00	12	2	2006	9:16	45	9.1	33.46	12.7	35.29	4
45	45	3711.10	7509.50	13	2	2006	1:46	31	7.5	32.48	7.5	32.48	5
46	46	3725.50	7453.40	13	2	2006	5:34	47	8.2	32.94	8.3	32.96	5
47	47	3740.90	7443.10	13	2	2006	9:00	50	8.7	9999	8.8	33.13	4
48	48	3739.70	7503.50	13	2	2006	11:31	30	7.0	32.20	7.1	32.27	7
49	49	3737.50	7519.40	13	2	2006	13:48	18	6.3	31.60	6.3	31.61	6
50	50	3755.60	7459.60	13	2	2006	16:43	30	6.1	30.99	6.1	31.16	6
51	51	3813.30	7438.50	13	2	2006	19:51	40	7.0	32.24	7.5	32.62	7
52	51	3813.30	7438.60	13	2	2006	20:00	34	7.0	9999	7.4	32.57	3
53	53	3814.60	7433.40	13	2	2006	21:43	40	7.7	32.88	7.9	32.99	5
54	54	3805.30	7416.00	14	2	2006	0:00	54	9.2	9999	9.9	33.87	6
55	55	3813.10	7418.10	14	2	2006	2:00	55	8.2	9999	8.7	33.36	6
56	56	3832.60	7427.20	14	2	2006	4:46	39	7.3	32.84	7.4	32.87	6
57	57	3843.50	7414.80	14	2	2006	6:49	43	7.0	32.72	7.2	32.80	5
58	58	3845.70	7400.70	14	2	2006	8:37	47	7.2	32.82	7.9	33.15	4
59	59	3848.20	7350.50	14	2	2006	10:15	49	7.6	33.12	8.0	33.25	4
60	60	3846.20	7341.50	14	2	2006	11:58	53	8.3	33.38	8.8	33.54	5
61	61	3855.20	7311.00	14	2	2006	15:13	82	8.9	33.58	10.1	33.95	5
62	62	3902.30	7308.40	14	2	2006	16:58	68	8.9	33.46	9.4	33.61	4
63	63	3932.70	7312.60	14	2	2006	20:38	37	7.3	32.98	7.9	33.23	3
64	64	3928.80	7324.70	14	2	2006	22:47	32	6.8	32.76	6.9	32.81	6

Cast #	Sta #	Lat	Lon	Day	Mo	Year	Time	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from btm
65	65	3929.50	7351.90	15	2	2006	1:43	29	5.4	31.55	5.8	31.85	7
66	66	3948.10	7347.20	15	2	2006	4:37	28	4.9	30.78	6.2	32.04	6
67	67	3958.40	7337.80	15	2	2006	6:31	35	6.4	32.29	6.5	32.31	5
68	68	3959.80	7322.70	15	2	2006	8:30	73	7.2	32.92	7.5	33.06	4
69	69	3947.50	7318.40	15	2	2006	10:37	42	7.2	32.72	7.6	33.04	5
70	70	3959.10	7309.70	15	2	2006	13:30	50	7.7	33.14	7.7	33.14	7
71	71	3949.70	7248.50	15	2	2006	16:00	59	8.2	9999	8.9	33.48	7
72	72	3925.10	7240.20	15	2	2006	19:28	92	9.0	33.42	13.3	35.30	3
73	73	3917.10	7239.20	15	2	2006	21:00	123	9.6	9999	12.8	35.10	4
74	74	3909.60	7234.10	15	2	2006	22:45	380	9.6	33.82	10.6	35.35	178
75	74	3909.30	7234.80	15	2	2006	23:00	347	9.6	9999	6.6	35.05	8
76	75	3933.60	7221.90	16	2	2006	2:50	108	8.7	33.34	13.0	35.28	7
77	76	3934.50	7204.30	16	2	2006	4:50	240	8.2	33.10	10.8	35.38	4
78	77	3942.90	7211.30	16	2	2006	7:33	119	8.9	33.40	13.1	35.46	5
79	78	3958.10	7201.20	16	2	2006	10:23	86	7.6	32.91	12.1	34.51	5
80	79	4003.40	7209.70	16	2	2006	12:11	75	7.8	32.92	8.8	33.19	5
81	80	4005.30	7225.90	16	2	2006	14:10	63	7.9	32.92	7.8	32.96	5
82	81	4013.10	7225.20	16	2	2006	15:49	62	7.8	32.88	7.7	32.92	4
83	82	4033.10	7255.20	16	2	2006	19:30	31	5.3	31.66	5.7	32.13	5
84	83	4033.30	7229.60	16	2	2006	22:28	43	6.0	32.03	6.3	32.27	7
85	84	4035.80	7225.90	16	2	2006	23:55	42	6.1	31.88	6.4	32.30	6
86	85	4107.80	7100.70	22	2	2006	19:19	33	6.2	32.11	6.1	32.15	5
87	86	4102.00	7050.80	22	2	2006	22:52	46	5.9	32.09	6.0	32.13	5
88	87	4053.30	7055.50	23	2	2006	0:49	55	6.0	32.01	6.7	32.44	6
89	88	4059.20	7106.50	23	2	2006	2:46	48	5.8	31.90	7.0	32.53	6
90	89	4044.40	7056.20	23	2	2006	5:13	60	6.0	32.16	6.4	32.29	3
91	90	4043.80	7107.70	23	2	2006	7:00	61	6.2	9999	6.5	32.48	6
92	91	4048.10	7123.00	23	2	2006	9:00	60	6.0	9999	7.5	32.75	3
93	92	4047.80	7128.60	23	2	2006	10:55	59	6.2	32.22	6.6	32.34	6
94	93	4058.10	7127.90	23	2	2006	12:37	52	5.3	31.27	7.9	32.89	4
95	94	4101.70	7134.50	23	2	2006	14:22	42	4.9	30.23	6.8	32.46	5
96	95	4044.10	7138.00	23	2	2006	16:46	69	6.3	32.24	8.3	33.13	4
97	96	4046.70	7142.50	23	2	2006	18:27	64	5.9	32.01	9.2	33.49	8
98	97	4041.10	7149.50	23	2	2006	20:16	56	5.6	31.93	7.4	32.78	2

Cast #	Sta #	Lat	Lon	Day	Mo	Year	Time	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from btm
99	98	4049.90	7215.60	23	2	2006	23:00	34	4.7	9999	5.4	32.02	5
100	99	4043.90	7220.20	24	2	2006	0:31	41	4.8	31.82	6.0	32.28	6
101	100	4042.30	7205.40	24	2	2006	2:28	46	6.1	32.31	6.1	32.33	5
102	101	4023.80	7149.80	24	2	2006	5:19	71	7.2	32.83	7.2	32.83	6
103	102	4036.70	7139.30	24	2	2006	7:33	73	6.1	32.26	8.1	33.08	5
104	103	4033.20	7120.00	24	2	2006	9:43	67	6.4	32.49	6.8	32.64	4
105	104	4024.20	7051.40	24	2	2006	12:48	86	4.4	32.09	12.1	34.67	5
106	105	4011.40	7110.80	25	2	2006	9:52	121	5.9	99.99	13.7	35.57	6
107	106	4001.40	7115.60	25	2	2006	11:52	195	6.7	32.87	10.5	35.35	2
108	107	4003.10	7041.10	25	2	2006	15:13	133	7.5	33.18	13.8	35.59	6
109	108	4013.50	7032.70	25	2	2006	17:16	116	6.8	32.87	13.4	35.19	6
110	109	4030.70	7043.30	25	2	2006	20:00	74	5.3	9999	6.1	32.65	6
111	111	4035.70	7032.80	25	2	2006	22:00	64	4.1	9999	4.4	32.21	4
112	112	4046.50	7031.90	26	2	2006	0:55	54	5.2	32.14	5.3	32.15	7
113	113	4036.70	7005.30	26	2	2006	4:00	54	4.1	9999	4.1	32.37	5
114	114	4031.50	6951.70	26	2	2006	19:34	68	4.8	32.60	4.8	32.60	3
115	115	4021.50	6949.10	26	2	2006	22:38	78	5.4	32.70	5.5	32.69	6
116	116	4023.00	7003.20	27	2	2006	3:19	78	5.4	32.66	5.5	32.67	7
117	117	4023.80	7002.90	28	2	2006	6:58	78	4.6	32.60	4.6	32.59	6
118	118	4011.50	7010.00	28	2	2006	9:25	102	5.9	32.75	11.5	34.56	6
119	119	3956.30	7004.20	28	2	2006	12:00	294	6.3	9999	9.3	35.23	8
120	120	4000.60	6954.00	28	2	2006	14:11	145	6.1	32.94	13.3	35.57	4
121	121	4008.30	6943.80	28	2	2006	16:00	97	6.0	9999	11.0	34.24	6
122	122	4017.10	6918.80	28	2	2006	18:52	83	5.6	32.65	5.5	32.70	6
123	123	4000.70	6914.40	28	2	2006	21:15	170	8.0	33.87	10.7	35.39	4
124	124	4003.80	6905.10	28	2	2006	23:40	172	12.6	35.27	10.8	35.37	7
125	125	4001.90	6905.30	1	3	2006	3:00	209	12.4	9999	10.0	35.29	18
126	126	4011.00	6857.00	1	3	2006	6:55	131	5.9	33.03	12.5	35.51	8
127	127	4013.40	6836.70	1	3	2006	10:43	150	5.8	33.07	13.2	35.50	8
128	128	4020.90	6827.40	1	3	2006	14:31	110	5.6	32.92	13.4	35.43	5
129	129	4025.40	6843.20	1	3	2006	17:58	84	5.3	32.50	8.6	33.72	7
130	130	4027.80	6921.60	1	3	2006	22:21	70	4.5	32.60	4.5	32.60	4
131	131	4037.80	6923.80	2	3	2006	0:18	48	4.1	32.61	4.2	32.61	5
132	132	4102.60	7025.70	2	3	2006	6:45	40	5.0	32.09	5.0	32.10	6

















