

*Oceanography Branch CTD Data Report
Scallop Survey – ALB0705*

**For further information, contact Cristina Bascuñán
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DATE: October 5, 2007

October 5, 2007

Memo To: Jon Hare
Linda Despres
Nikolai Klibansky

From: Cristina Bascuñán (x2243)

Re: Scallop Survey – ALB0705

CTD data from the Scallop Survey have been processed and are now available. There were 175 casts done, including 66 water casts for calibrations.

Please note there is no cast 1 and 2, or data for the following: 150, 151, 152, 158, 169, 172.

Hydrographic data for this cruise may be found in the following location:

- /ftp/pub/hydro/alb0705.dat (NODC file)
- octemps

Please call if you have any questions.

ALB0705
SCALLOP SURVEY
11 JULY - 15 AUGUST, 2007

CAST #	STA #	LAT	LON	DAY	MONTH	YEAR	TIME	BTM DEPTH	SFC TEMP	SFC SALT	BTM TEMP	BTM SALT	METERS FROM BTM
3	3	3931.4	7256.8	11	7	2007	14:25	61	22.42	31.53	5.75	32.91	9
4	6	3918.7	7308.5	11	7	2007	17:31	63	22.71	31.35	6.17	32.92	3
5	9	3921.8	7333.2	11	7	2007	20:43	48	23.34	31.42	8.00	32.88	5
6	12	3913.6	7316.0	11	7	2007	23:36	62	22.93	9999	6.47	32.94	2
7	15	3907.8	7304.7	12	7	2007	2:32	75	23.00	31.24	5.85	33.01	3
8	18	3908.9	7318.2	12	7	2007	4:49	59	23.27	31.48	6.27	32.95	4
9	21	3901.1	7331.3	12	7	2007	7:19	52	23.17	31.67	7.00	32.99	6
10	24	3904.5	7312.6	12	7	2007	10:06	71	22.75	31.36	5.75	32.98	4
11	27	3856.5	7318.2	12	7	2007	12:45	65	22.56	31.40	6.06	32.96	4
12	30	3853.9	7341.2	12	7	2007	16:01	41	22.43	31.85	7.55	32.98	2
13	33	3851.8	7326.4	12	7	2007	19:06	60	22.77	31.50	6.40	33.02	1
14	36	3848.9	7338.1	12	7	2007	22:12	57	22.00	9999	6.96	33.02	2
15	39	3840.5	7349.0	13	7	2007	0:41	51	23.41	31.86	7.37	33.04	4
16	42	3849.0	7405.2	13	7	2007	3:58	45	23.24	31.86	9.01	33.02	3
17	45	3836.3	7417.1	13	7	2007	6:46	45	23.51	31.99	9.69	33.27	3
18	48	3832.0	7413.3	13	7	2007	9:34	44	23.37	31.94	8.59	33.16	6
19	51	3830.9	7410.0	13	7	2007	11:37	52	23.32	31.63	7.85	33.07	5
20	54	3839.2	7359.6	13	7	2007	13:43	50	23.02	31.79	7.86	33.00	4
21	57	3836.1	7350.1	13	7	2007	16:17	55	22.49	9999	7.11	33.07	3
22	60	3831.7	7352.0	13	7	2007	18:57	54	23.33	31.89	6.93	33.08	2
23	63	3833.4	7350.8	13	7	2007	21:52	58	22.87	31.87	6.91	33.08	3
24	66	3831.3	7347.6	14	7	2007	0:52	61	22.74	31.82	6.78	33.06	6
25	69	3830.7	7343.0	14	7	2007	3:31	66	22.83	31.84	6.05	33.01	1
26	72	3831.6	7338.4	14	7	2007	6:31	67	22.35	31.83	6.22	33.02	3

27	75	3824.6	7354.8	14	7	2007	8:58	61	22.62	31.87	6.89	33.07	2
28	78	3825.3	7358.8	14	7	2007	11:04	58	22.60	31.96	7.06	33.06	4
29	81	3827.3	7403.7	14	7	2007	13:16	57	23.17	9999	6.90	33.05	5
30	84	3818.6	7400.0	14	7	2007	15:22	68	22.48	9999	6.85	33.11	4
31	87	3818.1	7402.6	14	7	2007	17:46	64	22.73	9999	6.90	33.09	3
32	90	3820.3	7410.6	14	7	2007	19:52	55	24.08	32.02	7.63	33.10	3
33	93	3828.4	7423.8	14	7	2007	22:28	45	23.84	32.03	9.52	33.29	6
34	96	3816.6	7417.5	15	7	2007	1:34	50	23.96	31.84	8.81	33.26	2
35	99	3814.3	7407.3	15	7	2007	4:01	65	23.79	31.94	6.87	33.13	4
36	102	3809.2	7412.8	15	7	2007	6:30	45	24.08	31.72	8.62	33.22	5
37	105	3808.8	7425.6	15	7	2007	8:52	43	24.28	31.98	8.58	33.21	4
38	108	3804.4	7416.4	15	7	2007	11:25	47	24.20	31.68	8.03	33.16	1
39	111	3759.8	7421.9	15	7	2007	14:10	57	24.24	9999	7.08	33.12	3
40	114	3754.3	7426.2	15	7	2007	16:31	58	24.62	31.77	6.96	33.13	1
41	117	3751.9	7441.0	15	7	2007	19:00	43	24.50	31.80	9.01	33.26	1
42	120	3747.0	7424.7	15	7	2007	21:23	65	24.96	31.64	6.88	33.23	2
43	123	3740.8	7433.7	15	7	2007	23:52	56	25.09	31.41	7.52	33.21	4
44	126	3746.9	7440.2	16	7	2007	2:04	50	24.74	31.42	8.54	33.27	5
45	129	3737.1	7440.5	16	7	2007	4:24	55	25.11	31.56	8.41	33.41	4
46	132	3732.1	7432.2	16	7	2007	7:46	64	24.51	32.12	7.13	33.22	7
47	135	3731.8	7440.8	16	7	2007	10:16	53	25.22	31.41	8.66	33.50	4
48	137	3722.3	7442.3	16	7	2007	13:07	62	25.31	31.66	7.98	33.43	5
49	142	3709.6	7450.9	16	7	2007	16:01	54	25.46	31.35	8.52	33.51	4
50	145	3652.0	7448.7	16	7	2007	18:42	50	25.73	31.62	7.79	33.47	3
51	148	3637.2	7448.8	16	7	2007	21:12	56	26.00	31.82	8.00	33.51	3
52	152	3638.5	7446.5	16	7	2007	23:55	71	26.01	32.03	11.18	34.76	3
53	155	3648.6	7446.6	17	7	2007	1:57	69	25.77	99.99	11.14	34.77	4
54	157	3715.9	7443.5	17	7	2007	5:37	60	25.64	31.67	8.12	33.49	3
55	161	3743.2	7425.6	17	7	2007	10:23	67	25.06	31.49	7.19	33.31	2
56	164	3800.7	7415.7	17	7	2007	14:04	65	24.76	31.86	6.79	33.08	5
57	167	3835.7	7334.1	17	7	2007	20:49	68	24.85	31.65	6.29	33.01	4
58	170	3840.7	7331.7	17	7	2007	23:12	67	23.22	31.64	6.31	33.03	3
59	173	3845.9	7320.4	18	7	2007	2:28	76	23.48	31.53	8.40	33.84	4

60	176	3903.9	7255.7	18	7	2007	6:16	85	24.04	31.54	10.26	34.45	4
61	179	3920.9	7250.0	18	7	2007	9:37	74	23.15	31.88	6.52	33.22	4
62	182	3926.6	7257.7	18	7	2007	12:13	62	23.70	31.77	5.81	32.93	3
63	185	3928.5	7240.5	18	7	2007	14:55	83	23.85	31.28	6.92	33.31	5
64	188	3936.3	7246.2	18	7	2007	20:01	68	23.97	31.09	5.73	32.94	3
65	191	3938.4	7310.0	18	7	2007	23:02	42	24.00	31.00	6.82	32.82	3
66	194	3943.6	7255.8	19	7	2007	1:34	66	23.85	31.03	6.28	32.96	4
67	197	3946.3	7305.7	19	7	2007	3:46	49	23.77	31.05	6.49	32.77	3
68	200	3945.6	7327.9	19	7	2007	7:19	34	23.45	31.30	8.12	32.73	6
69	203	3955.9	7310.2	19	7	2007	10:25	79	23.38	9999	6.45	32.89	13
70	206	3955.5	7320.1	19	7	2007	13:04	49	23.04	31.33	7.35	32.71	4
71	209	4003.4	7328.2	19	7	2007	15:34	80	22.90	31.28	6.89	32.76	4
72	211	4014.5	7158.8	24	7	2007	23:47	65	22.07	31.90	5.79	33.05	4
73	214	4011.7	7221.3	25	7	2007	2:49	66	20.84	31.64	5.91	33.01	6
74	218	4009.6	7232.1	25	7	2007	5:45	60	21.49	31.36	6.45	32.98	3
75	221	3953.8	7229.4	25	7	2007	8:53	63	21.95	31.48	6.02	33.03	2
76	224	4002.7	7238.5	25	7	2007	11:11	60	21.99	31.41	6.61	33.01	6
77	227	3953.7	7255.7	25	7	2007	16:34	53	22.28	31.27	6.94	32.94	6
78	230	4008.7	7255.8	25	7	2007	20:13	48	20.34	31.27	7.76	32.95	5
79	234	4000.2	7342.6	26	7	2007	1:30	36	22.43	31.26	10.64	32.16	6
80	237	4017.3	7347.3	26	7	2007	4:25	56	22.07	31.24	8.94	32.53	4
81	240	4018.1	7223.3	26	7	2007	11:45	55	21.35	31.75	6.81	32.91	4
82	243	4028.2	7204.6	26	7	2007	14:56	59	20.75	31.56	6.52	32.93	3
83	246	4038.7	7203.8	26	7	2007	18:07	50	20.12	31.63	7.22	32.72	5
84	249	4040.9	7216.3	26	7	2007	20:10	46	20.77	31.56	9.11	32.40	5
85	252	4051.2	7213.2	26	7	2007	23:49	31	21.68	30.72	13.25	31.73	6
86	255	4044.4	7151.0	27	7	2007	3:15	50	21.76	31.62	7.37	32.77	3
87	258	4034.3	6959.0	27	7	2007	12:58	59	18.84	32.68	8.49	33.12	4
88	261	4041.3	6953.4	27	7	2007	16:25	49	16.32	32.45	10.70	32.68	5
89	264	4034.0	6934.1	27	7	2007	19:52	62	19.93	32.70	10.11	32.90	5
90	267	4021.4	6937.8	27	7	2007	22:49	71	21.99	32.80	8.17	33.15	4
91	270	4030.5	6912.4	28	7	2007	2:00	74	21.79	32.68	8.72	33.19	3
92	273	4041.6	6918.4	28	7	2007	4:28	57	13.59	32.37	11.81	32.38	3

93	276	4039.6	6913.7	28	7	2007	6:28	58	13.55	32.40	10.45	32.89	3
94	281	4045.7	6915.6	28	7	2007	9:40	45	16.09	32.67	10.57	32.85	3
95	284	4049.7	6910.4	28	7	2007	12:00	63	17.75	32.65	10.64	32.84	4
96	287	4043.3	6903.2	28	7	2007	14:56	73	19.59	32.77	8.72	33.03	4
97	290	4049.2	6850.0	28	7	2007	17:22	69	15.34	32.64	10.96	32.77	4
98	293	4037.5	6854.9	28	7	2007	19:57	66	17.47	32.70	8.65	32.92	4
99	296	4030.7	6847.7	28	7	2007	22:36	71	18.01	32.66	8.61	32.92	4
100	299	4038.7	6849.2	29	7	2007	0:51	65	20.45	32.69	9.12	32.88	3
101	303	4043.1	6847.5	29	7	2007	3:32	65	19.52	32.61	9.09	32.89	3
102	307	4046.9	6839.3	29	7	2007	7:00	59	14.19	32.60	12.15	32.71	13
103	310	4034.2	6835.7	29	7	2007	9:31	68	18.61	32.48	9.62	32.82	3
104	313	4030.4	6811.1	29	7	2007	13:36	116	19.89	32.35	8.96	34.75	3
105	316	4033.9	6727.7	29	7	2007	18:00	110	16.21	32.35	10.82	34.83	4
106	319	4047.9	6708.1	29	7	2007	22:13	96	19.68	31.02	8.50	33.64	3
107	322	4056.7	6732.2	30	7	2007	1:23	71	17.56	32.19	8.85	32.77	3
108	325	4058.3	6739.8	30	7	2007	4:56	64	17.89	32.21	9.92	32.67	4
109	328	4111.7	6719.1	30	7	2007	8:33	52	17.22	32.21	11.12	32.57	3
110	332	4113.3	6700.8	30	7	2007	11:41	66	17.07	32.31	9.65	32.66	4
111	335	4120.8	6658.6	30	7	2007	13:53	65	16.01	32.31	9.95	32.61	3
112	338	4149.1	6709.3	30	7	2007	18:45	56	13.87	32.41	13.68	32.43	5
113	341	4131.8	6659.4	30	7	2007	21:13	64	16.92	32.36	11.58	32.49	4
114	344	4124.1	6647.5	31	7	2007	0:00	74	18.39	32.23	8.95	32.71	4
115	347	4117.0	6648.5	31	7	2007	2:31	72	17.53	32.25	8.43	32.83	4
116	350	4106.5	6652.7	31	7	2007	5:00	70	18.91	32.14	8.16	32.91	4
117	355	4059.2	6656.9	31	7	2007	8:30	70	15.76	32.30	8.70	32.78	2
118	358	4051.6	6654.5	31	7	2007	10:45	92	18.58	32.03	8.47	33.55	5
119	361	4056.7	6645.5	31	7	2007	13:34	91	15.63	32.27	8.77	33.70	3
120	364	4100.9	6642.5	31	7	2007	16:17	72	17.80	31.67	7.84	33.48	3
121	367	4110.7	6637.3	31	7	2007	19:23	83	17.01	32.14	7.89	32.97	2
122	371	4118.7	6622.2	31	7	2007	22:34	93	17.75	32.32	7.24	33.19	4
123	374	4130.8	6639.5	1	8	2007	1:37	78	18.49	32.23	9.80	32.63	3
124	377	4137.0	6629.0	1	8	2007	3:49	79	17.18	32.24	8.40	32.72	0
125	380	4130.5	6617.3	1	8	2007	6:20	85	16.21	31.65	6.54	33.14	2

126	384	4147.9	6557.2	1	8	2007	10:48	101	18.35	32.19	5.98	33.08	4
127	387	4148.4	6627.2	1	8	2007	14:36	78	18.18	32.23	9.00	32.67	4
128	390	4201.2	6604.3	1	8	2007	17:38	94	17.97	32.18	6.41	32.97	3
129	393	4205.4	6613.4	1	8	2007	20:58	94	18.35	32.19	5.85	33.25	6
130	396	4203.1	6637.9	2	8	2007	0:07	74	18.31	32.23	8.74	32.74	5
131	399	4205.4	6645.9	2	8	2007	3:49	69	17.92	32.45	10.44	32.67	3
132	402	4203.0	6650.7	2	8	2007	7:03	73	15.39	32.43	12.11	32.59	3
133	405	4202.7	6656.1	2	8	2007	9:40	60	16.64	32.35	11.74	32.61	4
134	408	4206.7	6700.1	2	8	2007	12:22	61	18.90	32.42	6.09	32.91	4
135	411	4209.3	6709.5	2	8	2007	16:19	96	16.18	32.61	8.43	32.78	3
136	415	4109.9	6856.4	8	8	2007	3:31	104	17.89	31.86	4.87	32.64	9
137	418	4107.4	6850.7	8	8	2007	7:10	76	14.91	32.59	6.97	32.54	6
138	421	4059.4	6847.6	8	8	2007	10:49	65	13.59	32.59	13.39	32.59	6
139	424	4109.9	6842.9	8	8	2007	13:58	64	13.70	32.65	13.40	32.65	7
140	427	4113.3	6829.3	8	8	2007	17:28	59	14.56	32.66	14.51	32.66	8
141	430	4118.6	6840.5	8	8	2007	19:47	78	13.52	32.43	8.04	32.51	6
142	433	4126.5	6835.5	8	8	2007	22:13	94	12.95	32.39	7.05	32.52	7
143	436	4117.6	6824.6	9	8	2007	0:45	56	15.39	32.62	15.32	32.63	10
144	439	4128.3	6826.1	9	8	2007	3:13	73	14.88	32.56	10.70	32.63	8
145	441	4143.9	6815.7	9	8	2007	7:07	43	17.39	32.08	11.55	32.84	8
146	446	4149.5	6811.4	9	8	2007	11:07	105	16.69	32.21	6.03	32.77	7
147	449	4147.7	6758.2	9	8	2007	15:19	42	14.92	32.54	13.87	32.61	6
148	453	4144.1	6801.9	9	8	2007	17:58	33	15.05	32.58	14.99	32.56	4
149	456	4150.9	6757.4	9	8	2007	21:47	58	16.25	32.33	12.49	32.63	8
153	474	4201.1	6717.4	10	8	2007	18:58	43	14.71	9999	13.36	32.86	10
154	477	4203.9	6707.9	10	8	2007	22:00	55	16.06	32.07	12.48	32.81	10
155	480	4206.3	6713.5	11	8	2007	0:58	51	14.66	32.46	12.92	32.78	7
156	483	4205.9	6717.3	11	8	2007	4:13	52	14.69	32.48	8.68	33.04	4
157	486	4159.0	6747.8	11	8	2007	7:30	86	15.52	32.42	6.32	32.70	3
159	493	4124.8	6826.8	11	8	2007	17:10	73	14.16	32.61	11.82	32.80	8
160	498	4103.3	6902.8	12	8	2007	1:12	77	16.10	32.46	10.60	32.56	6
161	503	4113.3	6913.6	12	8	2007	6:28	79	18.80	31.62	5.23	32.52	3
162	509	4101.1	6908.4	12	8	2007	11:31	69	10.91	32.19	7.38	32.43	5

163	514	4104.2	6914.3	12	8	2007	17:36	52	10.87	32.07	10.49	32.10	8
164	519	4109.5	6917.5	12	8	2007	21:45	48	17.50	31.62	6.51	32.32	8
165	524	4108.4	6919.6	13	8	2007	3:58	51	10.80	32.09	10.52	32.13	5
166	530	4111.7	6921.5	13	8	2007	9:10	53	18.48	31.59	5.99	32.30	5
167	535	4116.0	6920.6	13	8	2007	15:46	61	10.02	32.11	6.85	32.25	9
168	540	4118.9	6925.0	13	8	2007	19:16	41	10.10	32.04	8.23	32.16	13
170	550	4131.2	6924.7	14	8	2007	6:46	66	13.86	30.03	9999	9999	5
171	555	4130.7	6930.0	14	8	2007	11:46	45	16.95	31.01	6.67	32.27	5
173	567	4133.2	6942.4	14	8	2007	23:31	28	16.12	30.63	5.87	32.93	9
174	576	4154.1	6951.9	15	8	2007	6:54	63	16.59	99.99	6.36	32.61	6
175	581	4155.4	6952.1	15	8	2007	11:03	54	15.96	30.56	7.39	32.54	5

Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the Scallop survey ALB0705.

CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
								GOM East						
ALB0705	214	2	17.54	4.52	0.68	16.02	1	2	7.26	-4.23	0.64	13.69	1	0
ALB0705	214	2	32.52	-0.03	0.39	20.49	1	3	32.85	0.13	0.39	3.94	1	0
								GB						
ALB0705	211	42	17.39	2.63	0.16	2.48	1	39	9.33	-1.05	0.17	2.21	1	0
ALB0705	211	42	32.32	-0.39	0.09	3.20	1	39	32.88	-0.06	0.10	0.64	1	0
								MAB North						
ALB0705	207	16	20.76	1.63	0.32	2.27	1	16	7.89	-0.11	0.17	1.02	1	0
ALB0705	207	16	31.79	-0.06	0.21	5.25	1	16	32.84	-0.13	0.18	0.92	1	0
								MAB South						
ALB0705	196	72	23.69	0.78	0.15	0.88	1	71	7.51	-0.07	0.17	1.02	1	0
ALB0705	196	71	31.23	-0.72	0.11	2.42	1	71	33.16	-0.12	0.1	0.64	1	0

"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.

















