

Oceanography Branch CTD Data Report
ECOMON – DEL0706

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DATE: August 17, 2007

August 17, 2007

Memo To: David Mountain
Jerry Prezioso

From: Cristina Bascuñán (x2243)

Re: ECOMON – DEL0706

CTD data from the ECOMON survey have been processed and are now available. There were 161 casts done.

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

- /ftp/pub/hydro/del0706dat (NODC file)
- octemps

Please call if you have any questions.

CAST #	STA #	LAT	LONG	DAY	MONTH	YEAR	TIME hh:mm	BTM DEPTH	SFC TEMP	SFC SALT	BTM TEMP	BTM SALT	METERS FROM BTM
1	1	4058.6	7050.6	22	5	2007	23:21	49	12.4	32.85	6.9	33.05	5
2	2	4033.6	7114.6	23	5	2007	3:09	67	11.7	32.82	5.6	33.03	3
3	3	4021.5	7041.4	23	5	2007	6:01	93	10.5	32.62	5.6	33.06	3
4	4	4011.4	7102.7	23	5	2007	8:13	130	11.3	32.67	12.2	35.38	6
5	5	4011.3	7126.4	23	5	2007	10:16	84	10.4	32.49	8.5	34.14	6
6	6	4003.6	7206.8	23	5	2007	13:31	73	12.1	32.46	5.6	32.97	4
7	6	4003.6	7206.4	23	5	2007	13:43	74	12.1	32.46	9.3	32.67	53
8	7	3948.5	7212.3	23	5	2007	15:26	89	11.9	32.62	6.1	33.20	4
9	8	3933.8	7221.9	23	5	2007	17:19	109	11.8	32.60	11.1	34.98	1
10	9	3911.4	7302.5	23	5	2007	21:22	73	12.1	32.90	6.3	33.11	19
11	9	3911.4	7302.4	23	5	2007	21:31	73	13.0	32.40	6.4	33.12	4
12	10	3856.3	7255.0	23	5	2007	23:13	106	12.0	32.40	11.7	35.13	5
13	11	3836.1	7310.3	24	5	2007	2:00	750	12.7	32.77	9.7	35.14	550
14	12	3824.3	7329.1	24	5	2007	4:09	109	11.7	32.72	11.3	35.07	2
15	13	3821.2	7337.0	24	5	2007	5:01	125	12.0	99.99	11.9	35.28	3
16	14	3831.0	7418.7	24	5	2007	8:43	40	13.6	32.89	8.8	33.48	4
17	15	3751.4	7438.7	24	5	2007	13:00	44	13.9	33.30	9.9	33.46	1
18	16	3739.0	7431.3	24	5	2007	15:52	63	14.0	33.53	8.6	33.79	5
19	16	3739.2	7431.3	24	5	2007	16:02	63	14.8	33.53	8.6	33.79	6
20	17	3703.3	7437.2	24	5	2007	20:10	314	14.7	33.41	10.2	34.30	260
21	17	3703.2	7437.2	24	5	2007	20:17	323	16.3	99.99	11.4	35.32	122
22	18	3613.9	7448.6	25	5	2007	1:22	103	17.6	33.83	10.7	34.69	6
23	19	3551.3	7500.4	25	5	2007	4:04	47	16.3	31.55	11.5	33.70	2
24	20	3511.6	7518.5	25	5	2007	8:46	30	25.4	36.33	25.2	36.33	4
25	21	3611.4	7540.7	25	5	2007	14:55	17	15.6	30.16	12.5	32.06	1
26	21	3611.2	7540.8	25	5	2007	15:03	15	16.1	30.07	15.5	30.33	6
27	22	3616.2	7509.0	25	5	2007	17:52	33	15.2	33.20	11.6	33.43	5
28	23	3633.8	7508.8	25	5	2007	19:46	28	13.7	33.49	11.7	33.50	4
29	23	3633.7	7508.7	25	5	2007	19:52	28	16.0	33.53	11.7	33.51	5
30	24	3638.8	7506.8	25	5	2007	20:34	28	16.7	33.47	11.4	33.42	7

31	25	3641.6	7514.7	25	5	2007	21:28	35	15.5	33.35	11.3	33.33	3
32	26	3708.2	7539.9	26	5	2007	1:02	14	15.8	30.85	13.0	31.75	3
33	27	3718.9	7532.5	26	5	2007	2:16	14	18.5	29.01	12.7	31.81	3
34	28	3718.9	7523.1	26	5	2007	3:07	22	16.4	31.59	11.4	32.49	2
35	29	3746.2	7502.6	26	5	2007	6:26	25	16.4	31.73	11.0	32.44	2
36	30	3828.6	7458.4	26	5	2007	10:43	13	14.0	30.98	13.7	31.10	4
37	31	3833.6	7454.8	26	5	2007	11:30	20	15.1	30.83	10.5	32.61	4
38	32	3838.6	7432.8	26	5	2007	13:28	31	15.8	31.00	9.3	33.32	5
39	33	3848.9	7430.8	26	5	2007	14:40	20	15.2	30.72	11.2	99.99	6
40	34	3901.3	7420.7	26	5	2007	16:17	31	15.0	31.55	9.1	33.29	-1
41	34	3901.3	7420.7	26	5	2007	16:25	31	15.9	31.50	9.1	33.29	5
42	35	3858.8	7358.9	26	5	2007	18:15	38	15.8	32.29	9.6	33.43	5
43	36	3906.3	7402.8	26	5	2007	19:13	36	15.2	31.66	9.6	33.42	-1
44	36	3906.3	7402.7	26	5	2007	19:17	34	15.9	31.68	9.8	33.40	4
45	37	3928.6	7346.8	26	5	2007	21:57	30	16.5	31.38	9.1	33.12	4
46	38	3931.1	7356.7	26	5	2007	22:58	23	16.0	31.51	9.7	32.91	4
47	39	3948.6	7402.6	27	5	2007	0:55	16	13.3	31.57	9.1	31.99	5
48	40	3951.2	7322.6	27	5	2007	4:04	40	15.5	31.12	6.8	33.12	3
49	41	3941.4	7315.1	27	5	2007	5:25	42	15.9	31.81	6.9	33.07	2
50	42	3951.3	7302.7	27	5	2007	6:56	71	15.4	31.91	6.7	33.18	4
51	43	3958.7	7256.3	27	5	2007	8:03	50	15.0	32.04	6.5	33.21	5
52	44	4003.6	7240.8	27	5	2007	9:31	58	14.1	31.82	6.0	33.03	5
53	45	4008.7	7306.9	27	5	2007	11:45	43	15.4	31.15	7.0	33.11	5
54	46	4022.8	7337.6	27	5	2007	14:34	24	14.3	29.90	6.9	32.53	5
55	47	4036.2	7259.1	27	5	2007	19:31	23	12.6	31.46	9.0	32.13	2
56	47	4036.3	7259.1	27	5	2007	19:40	22	15.0	31.46	9.4	31.95	4
57	48	4043.9	7206.7	27	5	2007	23:47	44	14.3	30.70	5.8	32.93	4
58	49	4056.1	7208.1	28	5	2007	1:12	16	13.0	30.40	10.2	31.13	6
59	50	4053.6	7142.6	28	5	2007	3:20	56	12.3	31.12	6.1	32.99	3
60	51	4051.2	7130.9	28	5	2007	4:22	59	13.8	32.15	5.8	33.06	2
61	52	4108.7	7124.7	28	5	2007	6:22	41	13.8	32.16	6.9	32.94	3
62	53	4033.5	7020.3	28	5	2007	12:22	60	11.5	32.81	6.5	32.92	3
63	54	4003.9	7002.7	28	5	2007	15:43	150	11.9	32.32	10.3	34.90	4
64	55	4003.9	6935.1	28	5	2007	18:04	105	11.2	32.54	9.4	34.37	4
65	56	4020.9	6952.7	28	5	2007	20:31	78	12.2	32.77	5.5	32.87	24
66	56	4020.9	6952.7	28	5	2007	20:40	78	12.1	32.75	5.6	32.90	3
67	57	4021.2	6956.4	28	5	2007	21:19	80	12.2	32.76	5.9	32.99	4

68	58	4036.9	6955.8	28	5	2007	23:32	57	10.6	32.66	7.0	32.77	5
69	59	4047.9	7008.9	29	5	2007	1:19	36	11.5	32.22	7.8	32.56	5
70	60	4058.9	7020.2	29	5	2007	2:52	42	11.7	32.15	8.0	32.69	2
71	61	4108.7	7026.7	29	5	2007	4:07	35	13.1	32.19	8.9	32.46	3
72	62	4131.4	6928.7	29	5	2007	18:43	51	11.0	31.64	5.2	32.52	2
73	62	4131.2	6928.6	29	5	2007	18:52	50	12.2	31.51	5.2	32.51	3
74	63	4128.7	6914.9	29	5	2007	20:32	139	11.5	32.14	4.8	33.06	6
75	64	4128.8	6906.9	29	5	2007	21:34	144	11.7	32.38	5.0	33.22	7
76	65	4056.3	6854.8	30	5	2007	1:22	72	9.8	32.60	7.6	32.74	1
77	66	4113.8	6840.8	30	5	2007	3:25	61	9.3	32.58	6.7	32.76	4
78	67	4111.1	6822.6	30	5	2007	4:54	53	8.9	32.93	8.9	32.93	5
79	68	4038.7	6827.3	30	5	2007	7:49	66	9.3	32.97	7.6	32.94	3
80	69	4031.2	6822.8	30	5	2007	8:46	92	9.7	32.80	5.3	33.03	4
81	70	4016.2	6821.0	30	5	2007	10:36	157	10.4	32.75	8.9	34.72	6
82	71	4023.8	6752.9	30	5	2007	13:22	175	10.9	32.88	8.7	34.89	5
83	72	4038.8	6734.8	30	5	2007	15:40	84	8.7	32.59	6.5	33.12	35
84	72	4038.9	6734.9	30	5	2007	15:51	84	10.9	32.83	6.0	33.19	5
85	73	4056.1	6752.8	30	5	2007	18:19	57	12.1	33.12	8.0	33.08	3
86	74	4058.6	6744.9	30	5	2007	19:07	58	10.1	33.08	7.9	33.05	23
87	74	4058.6	6744.9	30	5	2007	19:10	58	9.5	33.07	7.9	33.05	23
88	75	4106.3	6750.9	30	5	2007	20:22	49	11.1	33.14	9.4	33.14	5
89	76	4111.6	6734.5	30	5	2007	22:04	41	10.3	33.12	9.6	33.13	4
90	77	4055.6	6717.7	31	5	2007	0:19	80	11.2	32.96	6.3	33.07	6
91	78	4058.7	6700.6	31	5	2007	1:52	74	11.7	32.93	6.7	33.16	4
92	79	4101.2	6658.9	31	5	2007	2:34	70	11.5	33.03	6.7	33.14	4
93	80	4118.9	6716.8	31	5	2007	5:01	47	9.6	33.11	9.0	33.11	4
94	81	4123.8	6720.9	31	5	2007	5:54	41	9.5	33.09	9.5	33.09	5
95	82	4133.5	6710.8	31	5	2007	7:30	52	8.9	33.07	8.9	33.08	5
96	83	4108.9	6636.9	31	5	2007	11:07	88	11.1	33.04	6.9	33.19	5
97	84	4121.3	6632.8	31	5	2007	12:36	89	8.8	32.89	6.4	33.08	6
98	85	4146.3	6622.8	31	5	2007	15:31	78	10.2	32.99	7.3	33.23	2
99	86	4146.3	6558.5	31	5	2007	17:17	100	8.4	32.24	6.3	33.31	44
100	86	4146.3	6558.4	31	5	2007	17:22	101	8.6	32.05	6.1	33.35	6
101	87	4148.7	6551.0	31	5	2007	18:08	127	7.6	31.45	6.6	33.94	4
102	88	4153.7	6544.7	31	5	2007	19:02	340	8.8	32.01	8.4	34.81	139
103	88	4153.2	6544.7	31	5	2007	19:42	400	9.3	32.02	6.7	34.90	8
104	89	4213.5	6545.5	31	5	2007	22:10	222	7.8	31.29	7.3	34.86	2

105	89	4213.5	6546.7	31	5	2007	22:25	220	8.3	31.24	7.9	34.81	19
106	90	4231.1	6642.5	1	6	2007	5:05	262	9.2	32.24	7.8	34.77	7
107	90	4231.1	6642.4	1	6	2007	5:25	264	9.0	32.13	7.7	34.75	64
108	91	4224.9	6659.9	1	6	2007	7:10	360	11.2	32.43	6.5	34.82	2
109	91	4225.0	6700.3	1	6	2007	7:39	203	11.3	32.44	6.8	34.57	1
110	92	4221.6	6630.6	1	6	2007	10:19	298	10.0	32.27	6.6	34.78	4
111	92	4221.6	6630.4	1	6	2007	10:30	298	10.3	32.35	7.2	34.53	96
112	93	4203.9	6631.0	1	6	2007	13:00	86	10.2	32.98	6.3	33.14	4
113	94	4201.3	6658.4	1	6	2007	15:06	56	8.3	33.06	8.3	33.07	3
114	95	4203.9	6704.8	1	6	2007	15:49	55	8.5	33.05	8.5	33.06	5
115	95	4203.7	6704.5	1	6	2007	15:58	56	8.5	33.05	8.5	33.07	17
116	96	4211.3	6719.2	1	6	2007	17:31	194	11.3	32.82	6.2	33.78	6
117	97	4203.6	6720.5	1	6	2007	18:37	49	9.2	32.98	7.3	32.93	5
118	98	4153.8	6716.8	1	6	2007	19:36	49	9.0	32.98	8.9	32.97	5
119	98	4153.6	6716.7	1	6	2007	19:43	49	9.0	32.98	8.9	32.98	5
120	99	4159.2	6744.8	1	6	2007	22:10	60	11.9	32.61	5.6	33.00	4
121	100	4140.6	6802.9	2	6	2007	0:51	34	9.6	32.90	9.6	32.90	4
122	101	4203.6	6844.8	2	6	2007	4:37	157	12.1	32.35	6.0	33.61	6
123	102	4221.4	6850.8	2	6	2007	6:49	205	12.3	32.63	6.2	33.73	6
124	103	4221.3	6826.7	2	6	2007	8:58	200	12.5	32.73	6.6	34.16	5
125	104	4213.8	6752.8	2	6	2007	11:51	235	10.3	32.25	6.8	34.70	2
126	104	4213.8	6752.7	2	6	2007	12:10	236	10.8	32.24	6.9	34.46	36
127	105	4243.7	6716.9	2	6	2007	16:49	212	7.0	31.46	7.6	34.66	5
128	105	4243.7	6716.7	2	6	2007	17:02	211	9.5	31.42	7.5	34.66	11
129	106	4302.5	6705.1	2	6	2007	19:31	210	9.9	32.69	6.6	34.16	6
130	107	4321.4	6653.1	2	6	2007	22:16	208	9.1	32.38	6.6	34.05	4
131	107	4321.3	6653.1	2	6	2007	22:31	208	9.1	32.39	6.6	34.05	5
132	108	4341.2	6640.8	3	6	2007	0:49	150	6.3	32.11	5.1	32.70	3
133	109	4411.3	6658.9	3	6	2007	3:57	165	9.1	32.53	6.2	33.70	5
134	110	4343.6	6708.6	3	6	2007	7:04	170	9.1	32.43	6.6	33.95	5
135	111	4341.2	6722.7	3	6	2007	8:30	210	9.7	32.37	6.8	34.13	9
136	112	4338.9	6740.7	3	6	2007	10:23	232	9.7	32.35	7.1	34.22	4
137	112	4339.0	6741.0	3	6	2007	10:43	232	9.7	32.35	7.0	34.19	32
138	113	4328.8	6754.6	3	6	2007	12:37	265	10.1	32.08	7.0	34.18	4
139	113	4329.0	6754.7	3	6	2007	12:53	272	10.0	32.08	7.0	34.18	72
140	114	4324.0	6742.1	3	6	2007	14:19	248	8.8	32.26	6.9	34.23	3
141	114	4324.2	6742.4	3	6	2007	14:36	248	8.6	32.24	7.0	34.20	47

142	115	4316.2	6758.9	3	6	2007	16:25	230	9.8	32.12	7.4	34.09	6
143	115	4316.3	6759.2	3	6	2007	16:40	229	10.3	32.15	7.3	34.04	28
144	116	4301.3	6818.9	3	6	2007	18:58	164	10.5	32.23	6.5	33.78	4
145	117	4256.2	6830.9	3	6	2007	20:23	176	11.0	32.10	6.3	33.73	5
146	118	4309.0	6836.9	3	6	2007	22:06	177	10.7	32.19	6.7	33.81	6
147	119	4323.6	6828.8	4	6	2007	0:00	180	9.5	32.19	7.1	33.93	6
148	120	4345.6	6856.9	4	6	2007	3:15	53	7.5	31.90	5.7	31.92	14
149	121	4333.6	6856.6	4	6	2007	4:52	113	8.2	31.86	4.5	32.62	6
150	122	4313.6	6914.7	4	6	2007	7:28	171	8.9	32.00	5.2	33.23	2
151	123	4306.2	6941.6	4	6	2007	9:45	100	10.3	32.06	4.4	32.77	5
152	123	4306.1	6941.7	4	6	2007	9:58	99	10.4	32.06	4.3	32.73	3
153	124	4258.7	7008.4	4	6	2007	12:10	142	10.8	31.63	4.3	32.88	7
154	125	4251.4	7034.7	4	6	2007	14:25	90	9.4	30.67	4.3	32.28	7
155	126	4240.8	7007.8	4	6	2007	17:16	109	12.0	32.01	4.0	32.50	4
156	127	4230.2	6940.1	4	6	2007	20:45	248	12.2	32.46	7.4	34.13	4
157	127	4230.3	6940.1	4	6	2007	21:04	242	12.2	32.45	6.8	33.88	41
158	128	4228.7	6952.5	4	6	2007	22:37	206	11.4	32.10	6.0	33.62	5
159	129	4226.1	7016.5	5	6	2007	1:04	64	12.0	30.27	4.2	32.47	5
160	130	4224.9	7036.8	5	6	2007	2:50	82	12.0	9999	4.4	32.44	5
161	131	4223.6	7042.8	5	6	2007	3:28	48	12.5	9999	5.8	31.98	3

Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the ECOMON cruise DEL0706.

		SURFACE						BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
GOM West														
DEL0706	154	21	10.74	0.53	0.21	1.09	0	20	5.77	0.33	0.19	0.69	0	0
DEL0706	154	21	31.64	0.02	0.14	0.52	0	20	33.35	0.04	0.12	0.24	0	0
GOM East														
DEL0706	153	25	9.29	0.67	0.20	1.03	0	18	6.72	-0.86	0.23	0.90	0	0
DEL0706	153	25	32.22	-0.14	0.14	1.70	0	18	34.10	-0.22	0.11	0.35	0	0
GB														
DEL0706	151	30	9.97	0.88	0.20	1.18	0	26	7.69	0.04	0.20	2.37	1	0
DEL0706	151	30	32.86	0.02	0.12	1.55	0	26	33.05	0.07	0.11	0.84	1	0
MAB North														
DEL0706	146	27	12.5	1.29	0.25	0.98	0	22	6.89	-0.41	0.28	2.29	1	0
DEL0706	146	2	33.9	-0.46	0.69	3.02	1	0	0	-9.99	-9.99	-9.99	1	0
MAB South														
DEL0706	145	35	14.99	-0.01	0.22	1.71	0	15	12.77	4.22	0.35	2.38	1	0
DEL0706	145	27	33.74	-0.1	0.19	0.59	1	15	34.07	0.25	0.21	0.7	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.

















