

Oceanography Branch CTD Data Report
CTD_REPORT_2009007DE

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NOAA Fisheries Service
Northeast Fisheries Science Center
Woods Hole, MA 02543

DE 09-07
Cetacean Biology
July 17 - 28, 2009

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's 2009 Cetacean Biology research survey aboard the NOAA FSV *Delaware II*. All data was obtained with Seabird Electronics SBE Model 19+ profiling CTD (s/n 4501). Nineteen water samples for the purpose of correcting the salinity data were taken, no salinity correction was necessary.

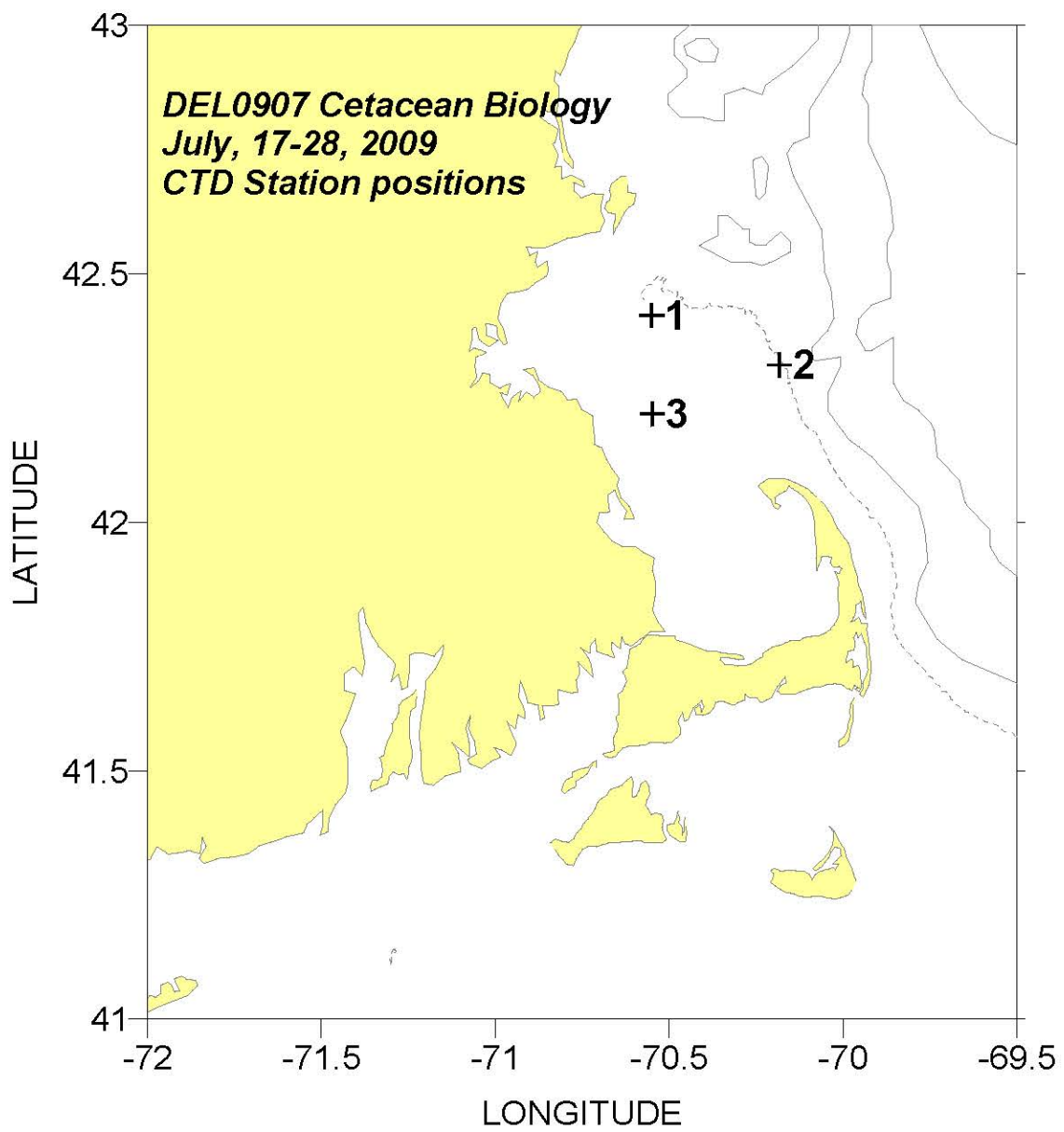
Data presented here have been audited, however, corrections and/or updates may be applied at a later time. The most recent and complete station data can be found in an NODC formatted ASCII file at:
<ftp://ftp.nefsc.noaa.gov/pub/hydro/del0907.dat>

This report may be viewed on the Oceanography Branch website at:

<http://www.nefsc.noaa.gov/HydroAtlas/>

choose: **2009 Cruises**
JUL_WHALE_DEL0907
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DEL0907 - Cetacean Biology
July 17 - 28, 2009

Cast #	Sta #	Latitude	Longitude	Day	Month	Year	Time (GMT)	Bottom Depth (m)	Surface Temp(deg C)	Sfc Temp Anomaly	Surface Salt(PSU)	Sfc Salt Anomaly	Bottom Temp(deg C)	Btm Temp Anomaly	Bottom Salt(PSU)	Btm Salt Anomaly	Meters from Bottom
1	3	4212.9	7033.1	15	7	2009	2:25	34	17.47	nc	30.05	nc	8.61	nc	31.61	nc	4
2	2	4219.0	7011.9	15	7	2009	5:10	58	14.72	-1.89	30.26	-1.11	5.89	0.25	32.08	-1.11	5
3	3	4213.0	7033.0	17	7	2009	12:51	37	17.70	-0.33	30.05	-0.89	6.29	0.45	31.95	-0.89	4
4	1	4225.0	7033.0	17	7	2009	14:13	93	18.23	1.86	29.78	-0.84	4.57	-1.80	32.35	-0.84	4
5	2	4219.0	7011.0	17	7	2009	17:53	58	17.38	0.62	29.86	-1.51	5.79	0.11	32.07	-1.51	4
6	3	4213.1	7032.9	18	7	2009	1:22	38	17.79	-0.29	30.05	-0.90	6.72	0.86	31.84	-0.90	4
7	3	4213.0	7033.0	19	7	2009	0:25	39	19.27	1.14	29.87	-1.07	6.51	0.63	31.93	-1.07	4
8	2	4219.0	7010.8	19	7	2009	6:28	58	18.43	1.53	29.53	-1.84	5.87	0.15	32.06	-1.84	4
9	1	4224.9	7033.1	19	7	2009	9:13	92	18.37	1.92	29.93	-0.69	4.49	-1.94	32.36	-0.69	2
10	1	4225.0	7033.0	20	7	2009	13:43	94	19.49	3.01	29.88	-0.75	4.54	-1.92	32.35	-0.75	4
11	2	4218.9	7010.9	20	7	2009	17:51	58	15.02	-1.94	30.29	-1.08	5.98	0.23	32.14	-1.08	3
12	3	4213.0	7032.8	20	7	2009	23:49	39	18.42	0.24	30.18	-0.78	8.26	2.35	31.94	-0.78	4
13	1	4224.9	7033.1	22	7	2009	23:40	92	19.22	2.68	29.69	-0.95	4.60	-1.93	32.34	-0.95	6
14	3	4212.9	7033.0	23	7	2009	7:31	37	17.59	-0.71	30.54	-0.43	7.36	1.38	31.82	-0.43	4
15	1	4225.0	7033.0	27	7	2009	1:40	91	17.60	0.97	29.42	-1.24	5.01	-1.67	32.29	-1.24	6
16	2	4219.0	7011.0	27	7	2009	4:19	57	16.78	-0.54	30.62	-0.76	6.89	1.00	32.14	-0.76	3
17	3	4212.9	7033.2	27	7	2009	10:04	35	18.12	nc	29.79	nc	7.43	nc	31.81	nc	2
18	1	4225.0	7033.1	27	7	2009	16:02	92	17.98	1.35	29.46	-1.20	4.91	-1.77	32.29	-1.20	4
19	2	4218.9	7011.0	27	7	2009	19:00	58	16.93	-0.39	30.71	-0.66	6.67	0.77	32.19	-0.66	5
20	3	4213.0	7032.9	28	7	2009	0:51	37	19.05	0.63	29.89	-1.10	7.82	1.70	31.75	-1.10	3