

Oceanography Branch CTD Data Report
CTD_REPORT_2012005DE

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

DEL1205
N. Right Whale Survey
Data Coverage: 1 – 21 May, 2012
GOM, MAB, GB

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's Northern Right Whale Survey aboard the NOAA FSV *Delaware II*. All data were obtained with Seabird Electronics SBE Model 19 profiling CTD (s/n 1496).

Data presented here have been audited, however, corrections and/or updates may be applied at a later time.

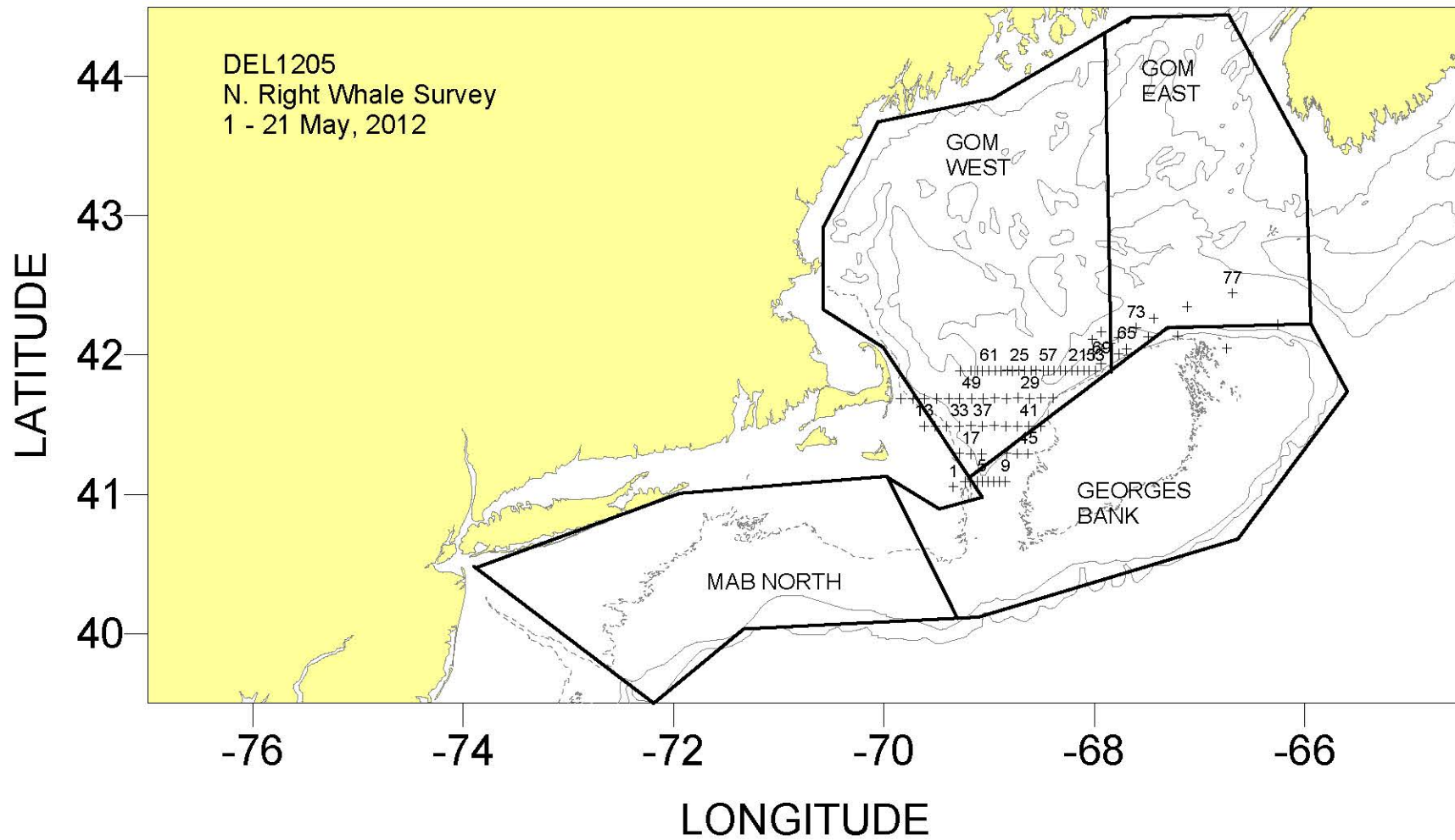
The most recent and complete station data can be found in an NODC formatted ASCII file at: <ftp://ftp.nefsc.noaa.gov/pub/hydro/del1205.dat>

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

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

choose: **2012 Cruises**
MAY_RIGHTWHALE_DEL1205
CTD_REPORT_2012005DE

Revised: March 15, 2012



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for DEL1205 - N. Right Whale Survey.

CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
							GOME							
DEL1205	127	16	8.94	2.62	0.28	0.90	1	15	7.41	2.20	-0.28	0.57	1	93
DEL1205	127	16	32.73	-0.16	0.16	0.16	1	15	33.03	-0.04	0.15	0.10	1	93
							GOMW							
DEL1205	130	48	9.38	2.21	0.15	0.71	1	48	7.28	2.07	0.13	0.51	1	93
DEL1205	130	48	32.65	-0.2	0.09	0.27	1	48	33.62	0.16	0.08	0.33	1	93
							Georges Bank							
DEL1205	140	15	11.17	3.41	0.27	1.72	1	14	7.87	0.88	0.26	1.45	1	93
DEL1205	140	15	32.58	-0.06	0.17	0.6	1	14	34.16	0.13	0.15	0.85	1	93

"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

"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.

DEL1205
N. RIGHT WHALE SURVEY
1 - 21 MAY, 2012

Cast #	Sta #	Lat	Lon	Day	Mo	Year	Time	Btm Depth (M)	Sfc Temp (Deg. C)	Sfc Salt	deepest observed		Meters from Btm	Cast Type
		(Deg. W)	(Deg. N)								Temp (Deg. C)	Salt		
1	1	4103.2	6920.6	1	5	2012	3:49	43	8.4	32.55	8.2	32.62	1	V
2	2	4105.4	6913.9	1	5	2012	4:41	58	9.1	32.43	7.4	32.79	6	V
3	3	4105.4	6910.9	1	5	2012	5:05	64	9.1	32.50	7.0	32.91	6	V
4	4	4105.5	6907.0	1	5	2012	5:33	89	8.7	32.75	7.0	32.95	5	V
5	5	4105.5	6904.2	1	5	2012	5:58	98	8.3	32.86	6.7	33.00	4	W
6	6	4105.5	6900.8	1	5	2012	6:28	93	8.5	32.84	6.8	32.99	7	V
7	7	4105.5	6857.5	1	5	2012	6:52	93	8.2	32.86	7.3	32.93	7	V
8	8	4105.5	6854.3	1	5	2012	7:19	80	8.2	32.78	7.7	32.87	4	V
9	9	4105.5	6850.8	1	5	2012	7:43	74	8.3	32.73	8.0	32.80	6	W
10	10	4141.3	6950.4	3	5	2012	0:10	29	8.8	32.23	7.4	32.48	1	W
11	11	4141.3	6943.6	3	5	2012	1:02	70	8.4	32.31	6.0	32.87	1	V
12	12	4141.3	6937.0	3	5	2012	1:46	115	8.3	32.33	6.1	33.02	1	V
13	13	4129.4	6937.1	3	5	2012	3:12	31	8.3	32.33	7.8	32.41	1	V
14	14	4129.4	6930.7	3	5	2012	4:16	38	7.9	32.40	7.1	32.59	7	V
15	15	4129.4	6924.3	3	5	2012	5:04	59	8.2	32.43	6.4	32.88	7	V
16	16	4117.8	6917.2	3	5	2012	7:04	87	8.5	32.43	6.4	32.99	5	W
17	17	4117.4	6910.6	3	5	2012	8:01	102	8.9	32.56	6.5	33.14	8	V
18	18	4117.4	6904.3	3	5	2012	9:07	159	8.5	32.66	6.6	33.18	6	V
19	19	4153.3	6823.1	4	5	2012	0:00	204	8.8	32.93	8.2	34.53	1	V
20	20	4153.3	6816.7	4	5	2012	0:53	219	9.4	32.89	8.2	34.63	0	V
21	21	4153.3	6809.5	4	5	2012	1:46	190	9.3	32.83	8.1	34.55	1	V
22	22	4153.3	6803.1	4	5	2012	2:37	115	9.3	32.74	7.3	33.33	2	W
23	23	4153.3	6829.0	4	5	2012	10:30	179	8.8	32.92	7.9	34.15	2	V
24	24	4153.3	6836.3	4	5	2012	11:19	171	8.8	32.85	7.3	33.57	3	V
25	25	4153.4	6843.1	5	5	2012	0:09	155	8.7	32.82	7.1	33.45	3	V
26	26	4153.4	6849.7	5	5	2012	1:01	165	8.7	32.81	7.1	33.44	3	V

Cast #	Sta #	Lat	Lon	Day	Mo	Year	Time	Btm Depth (M)	Sfc Temp (Deg. C)	Sfc Salt	deepest observed		Meters from Btm	Cast Type
		(Deg. W)	(Deg. N)								Temp (deg. C)	Salt		
27	27	4153.3	6856.5	5	5	2012	1:53	163	8.5	32.66	7.2	33.51	6	W
28	28	4141.6	6843.5	5	5	2012	4:03	165	8.7	32.85	7.5	33.72	5	V
29	29	4141.3	6836.9	5	5	2012	4:55	171	8.7	32.86	7.4	33.73	3	V
30	30	4141.4	6830.4	5	5	2012	5:35	179	8.7	32.72	7.8	33.96	7	V
31	31	4141.4	6823.8	5	5	2012	6:19	66	8.8	32.72	6.9	33.08	7	W
32	32	4129.5	6910.5	6	5	2012	1:17	164	9.1	32.38	6.6	33.23	3	V
33	33	4129.4	6917.1	6	5	2012	2:01	106	8.8	32.44	6.3	32.97	4	V
34	34	4141.3	6917.1	6	5	2012	3:34	204	8.7	32.30	7.6	33.78	7	V
35	35	4141.3	6923.2	6	5	2012	4:18	175	8.9	32.33	7.0	33.46	7	V
36	36	4141.3	6929.9	6	5	2012	4:56	139	8.6	32.31	6.3	33.10	5	V
37	37	4129.4	6903.8	7	5	2012	1:42	141	9.1	32.45	6.6	33.22	6	V
38	38	4129.5	6857.2	7	5	2012	2:34	155	9.0	32.75	6.6	33.22	3	V
39	39	4129.4	6850.5	7	5	2012	3:28	137	8.8	32.82	6.8	33.24	3	V
40	40	4129.3	6843.8	7	5	2012	4:22	139	8.8	32.82	6.7	33.13	6	V
41	41	4129.4	6837.4	7	5	2012	5:07	110	8.0	32.87	7.0	33.03	7	V
42	42	4129.4	6830.7	7	5	2012	5:56	97	8.6	32.72	7.6	32.90	6	W
43	43	4117.7	6850.2	7	5	2012	8:22	109	8.0	32.83	6.6	33.06	3	V
44	44	4117.5	6844.0	7	5	2012	9:10	83	8.9	32.77	6.9	32.99	6	V
45	45	4117.5	6837.8	7	5	2012	9:55	69	8.7	32.68	7.6	32.87	7	W
46	46	4141.3	6850.2	8	5	2012	0:28	158	9.6	32.92	7.4	33.62	2	V
47	47	4141.4	6856.9	8	5	2012	1:10	165	9.7	32.70	6.9	33.36	0	V
48	48	4141.3	6903.5	8	5	2012	1:52	172	10.0	32.61	6.8	33.36	2	V
49	49	4141.3	6910.2	8	5	2012	2:34	185	10.2	32.45	7.3	33.59	4	W
50	50	4153.2	6916.5	8	5	2012	4:09	201	9.8	32.63	7.9	33.90	7	V
51	51	4153.3	6910.4	8	5	2012	4:52	217	9.7	32.52	8.0	33.98	5	V
52	52	4153.2	6903.9	8	5	2012	5:28	190	9.4	32.64	7.4	33.62	8	W
53	53	4153.3	6759.5	15	5	2012	6:52	91	10.4	32.81	7.5	33.01	8	W
54	54	4153.3	6806.1	15	5	2012	7:46	170	10.1	32.81	7.3	33.67	8	V
55	55	4153.3	6812.9	15	5	2012	8:30	209	10.1	32.81	8.0	34.34	5	V
56	56	4153.3	6819.4	15	5	2012	9:16	207	10.4	32.78	8.1	34.50	3	W
57	57	4153.3	6826.5	17	5	2012	0:16	196	10.8	32.59	8.0	34.32	2	W
58	58	4153.3	6839.7	17	5	2012	1:34	167	10.7	32.53	7.2	33.51	2	V
59	59	4153.2	6853.1	17	5	2012	2:52	156	10.6	32.37	7.2	33.48	4	V
60	60	4153.3	6906.6	18	5	2012	4:10	198	10.8	32.13	7.6	33.73	6	V

Cast #	Sta #	Lat	Lon	Day	Mo	Year	Time	Btm Depth (M)	Sfc Temp (Deg. C)	Sfc Salt	deepest observed		Meters from Btm	Cast Type
		(Deg. W)	(Deg. N)								Temp (deg. C)	Salt		
61	61	4153.3	6900.1	18	5	2012	4:52	172	10.6	32.24	7.5	33.66	11	W
62	62	4153.2	6846.7	18	5	2012	6:10	152	10.7	32.37	7.1	33.47	7	W
63	63	4153.4	6833.4	18	5	2012	7:28	173	10.6	32.62	7.6	33.83	7	V
64	64	4207.4	6746.3	18	5	2012	11:34	198	11.0	32.67	8.1	34.43	1	W
65	65	4202.7	6741.7	19	5	2012	1:00	154	11.3	32.65	7.3	33.55	3	W
66	66	4200.5	6746.2	19	5	2012	2:05	101	11.0	32.63	7.6	32.95	3	V
67	67	4204.9	6751.0	19	5	2012	3:25	202	12.0	32.68	8.1	34.41	2	W
68	68	4202.7	6755.8	19	5	2012	5:07	196	11.1	32.68	7.6	33.84	13	V
69	69	4156.3	6756.2	19	5	2012	6:52	110	11.1	32.58	7.0	33.14	7	V
70	70	4200.6	6801.0	19	5	2012	8:10	200	11.2	32.69	8.1	34.45	7	W
71	71	4206.7	6801.1	19	5	2012	9:26	232	11.3	32.68	8.4	34.93	5	V
72	72	4210.0	6756.0	19	5	2012	10:38	236	11.0	32.69	8.4	34.93	6	V
73	73	4211.8	6736.3	20	5	2012	1:01	216	11.5	32.77	8.5	99.99	2	W
74	74	4207.8	6729.5	20	5	2012	2:34	185	11.4	32.73	8.4	34.86	2	V
75	75	4215.8	6726.2	20	5	2012	4:28	279	10.6	32.15	8.4	35.00	6	W
76	76	4213.1	6615.6	20	5	2012	22:40	211	11.1	99.99	8.3	34.84	4	W
77	77	4226.7	6641.4	21	5	2012	1:52	332	11.9	32.20	7.6	34.93	55	V
78	78	4202.9	6644.6	21	5	2012	4:22	147	10.4	32.84	8.3	34.25	6	V
79	79	4220.8	6707.1	21	5	2012	7:01	319	10.1	32.21	8.2	35.02	4	W
80	80	4208.4	6712.6	21	5	2012	8:53	93	12.2	32.76	6.8	33.18	2	V