Oceans and Climate Branch CTD Data Report CTD_REPORT_2021001GM

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Oceans and Climate Branch CTD Data Report

CTD REPORT 2021001GM

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

GM 21-01 North Atlantic Right Whale Survey Data Coverage: March 8 - 11, 2021

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's GM2101 North Atlantic Right Whale Survey aboard the NEFSC Ship R/V Gloria Michelle.

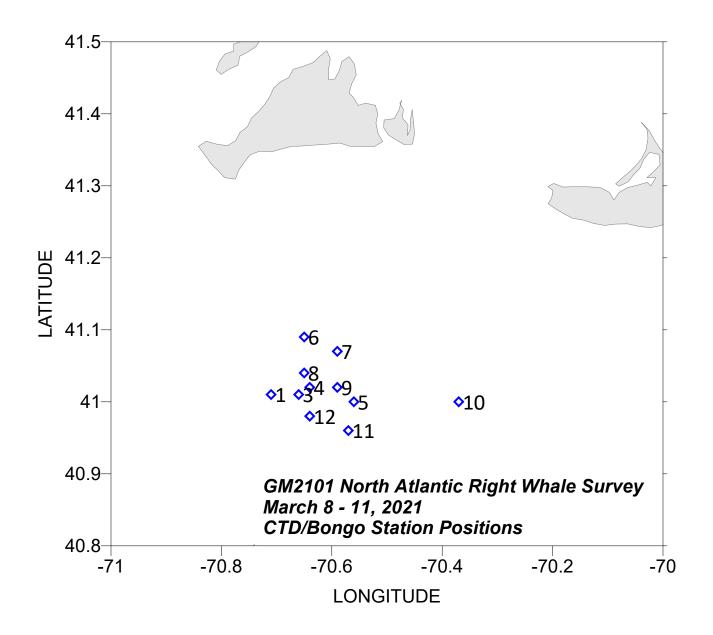
All data was obtained with a Seabird Electronics SBE19+V2 Seacat profiling CTD (s/n 4758).

The SBE19+V2 was deployed on 12 double oblique bongo casts (however, the CTD malfunctioned and no data was collected during cast #3).

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

The most recent and complete station/CTD data can be found by contacting Dr. Chris Melrose

Revised: January 20, 2022



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the GM2101 North Atlantic Right Whale Survey March 8 - 11, 2021

		S	URFACE			воттом						
CD	#obs	Temp (degC)	Anomaly	SDV1	SDV2	Flag	#obs	Temp (degC)	Anomaly	SDV1	SDV2	Flag
69	10	4.14	0.73	1.51	0.42	1	6	3.57	0.83	1.43	0.27	1

			SURFACE			воттом						
CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
69	10	32.39	-0.19	0.57	0.06	1	6	32.39	-0.35	0.52	0.03	1

"CD": the calendar mid-date of all the stations within a region for a cruise;

"#obs": the number of observations included in each average;

"Temp (degC)"/"Salt": the areal averaged temperature or salinity; "Anomaly": the areal averaged 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.

GM2101 North Atlantic Right Whale Survey March 8 - 11, 2021

Cast	Station	Lat	Long	Day	Мо	Year	Time	Btm	Sfc	Sfc	Deepest Observed	Deepest Observed	Meters from	Method of
#	#	(DDMM.M)	(DDMM.M)				(GMT)	Depth (m)	Temp (deg C)	Salt	Temp (deg C)	Salt	Bottom	Deployment
1	1	4100.5	7042.8	8	3	2021	17:16	45	3.98	32.38	3.79	32.40	3	В
2	3	4100.3	7039.7	8	3	2021	20:31	46	3.90	32.39	3.67	32.38	19	В
4	4	4101.5	7038.1	8	3	2021	22:09	45	3.84	32.40	3.66	32.40	12	В
5	5	4100.0	7033.8	9	3	2021	1:35	46	3.41	32.38	3.31	32.38	19	В
6	6	4105.5	7039.2	10	3	2021	16:41	44	3.81	32.29	3.02	32.32	11	В
7	7	4104.1	7035.3	10	3	2021	17:53	42	4.54	32.31	3.17	32.33	7	В
8	8	4102.4	7039.1	10	3	2021	19:04	44	4.90	32.39	3.79	32.39	8	В
9	9	4101.3	7035.7	10	3	2021	20:28	45	4.70	NaN	3.36	32.41	1	В
10	10	4100.2	7022.3	10	3	2021	22:10	37	4.47	32.36	3.81	32.37	7	В
11	11	4057.7	7034.2	11	3	2021	0:27	53	4.00	32.42	3.48	32.42	8	В
12	12	4058.7	7038.7	11	3	2021	1:07	47	3.97	32.39	3.61	32.39	14	В

Deployment codes: B=bongo cast