

Oceans and Climate Branch CTD Data Report
CTD_REPORT_2024002SG

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

SG 24-02
Passive Acoustic Mooring Cruise
Data Coverage: January 31 - February 4, 2024

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's SG2402 Passive Acoustic Mooring cruise aboard the chartered vessel *F/V Saints & Angels*.

All data was obtained with a Seabird Electronics SBE19+V2 Seacat profiling CTD (s/n 4477).

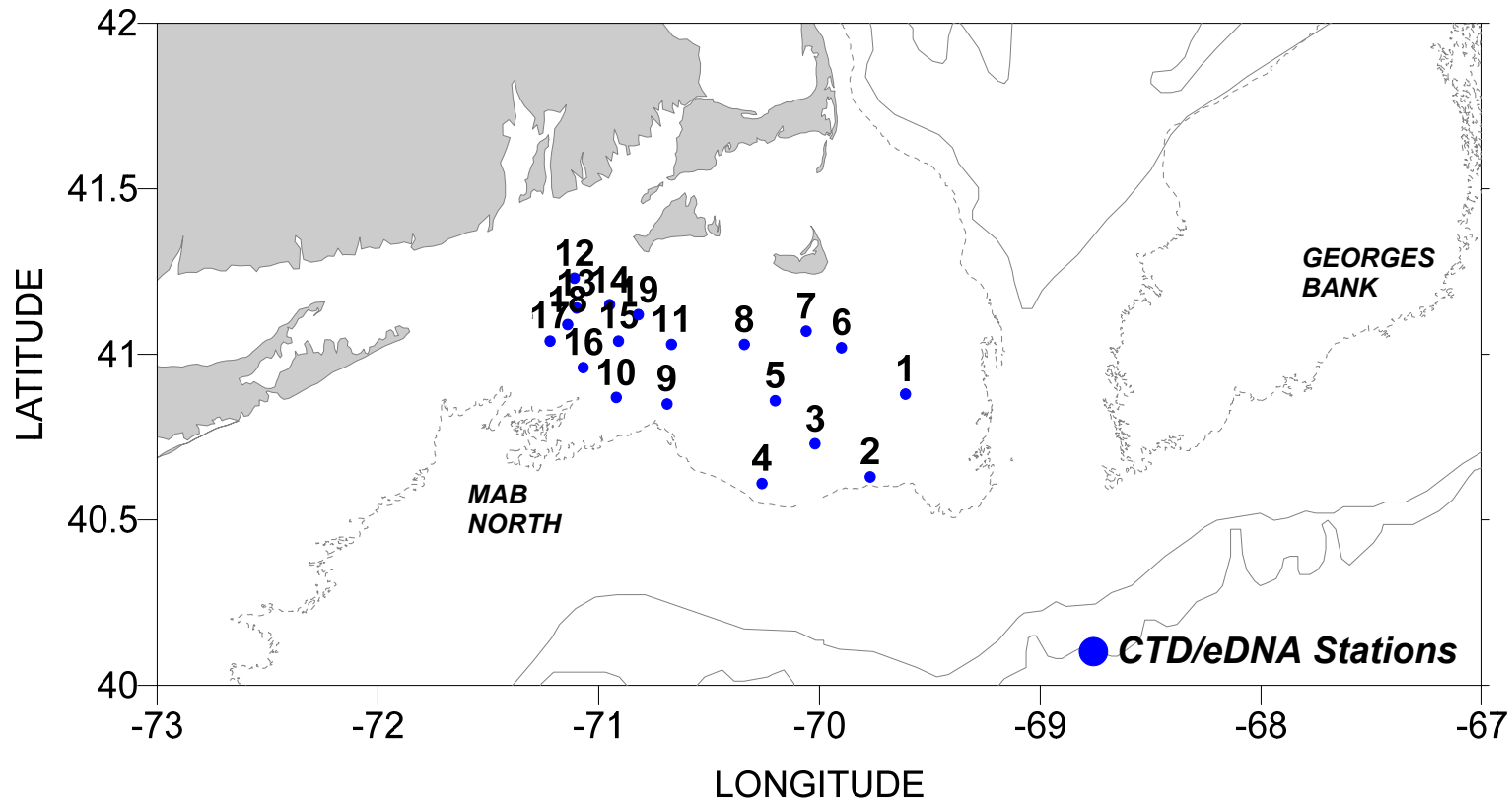
The SBE19+V2 was deployed on 19 vertical hydrocasts which also collected water samples for eDNA analysis.

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: April 11, 2024

SG 2402 Passive Acoustic Mooring Cruise
January 31 - February 4, 2024
CTD/eDNA Station Positions (cast #)



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
SG2402 Passive Acoustic Mooring Cruise with eDNA Sampling
January 31 - February 4, 2024**

		SURFACE						BOTTOM					
Region	CD	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag
MABN	32	12	5.82	1.08	1.34	0.64	1	13	5.86	1.67	1.44	0.69	1

		SURFACE						BOTTOM					
Region	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
MABN	32	12	31.99	-0.80	0.48	0.18	1	13	32.01	-0.87	0.52	0.17	1

"Region": MABN is the northern Mid-Atlantic Bight;

"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 (°C)" and "Salinity": 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.

**SG2402 Passive Acoustic Mooring Cruise with eDNA Sampling
January 31 - February 4, 2024**

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc	Sfc	Sfc	Deepest	Deep. Obs.	Deepest	Deep. Obs.	Meters	Method	
									Temp	Salt	Salt	Observed	Temp	Observed	from	of		
									Temp (° C)	Salt	Anomaly	Temp (° C)	Anomaly	Salt	Anomaly	Bottom	Deployment	
1	1	4052.6	6936.9	31	1	2024	13:11	43	6.30	1.52	32.08	-0.89	6.31	1.64	32.09	-0.82	1	W
2	2	4037.7	6946.0	31	1	2024	16:06	59	6.83	1.05	32.29	-0.68	6.82	1.14	32.28	-0.93	1	W
3	3	4043.5	7001.0	31	1	2024	19:33	43	6.30	1.73	32.05	-0.67	6.16	2.51	32.05	-0.84	1	W
4	4	4036.6	7015.6	31	1	2024	21:47	57	6.64	2.19	32.24	-0.45	6.63	3	32.24	-0.66	1	W
5	5	4051.8	7012.3	1	2	2024	15:05	39	5.38	1.13	31.77	-0.88	5.36	1.91	31.78	-1.07	1	W
6	6	4101.4	6953.8	1	2	2024	17:48	28	5.58	1.04	31.79	-1.07	5.63	NaN	31.86	NaN	1	W
7	7	4104.0	7003.8	1	2	2024	20:43	25	5.35	1.05	31.64	-1.07	5.37	NaN	31.64	NaN	1	W
8	8	4102.0	7020.5	1	2	2024	22:40	40	4.72	0.54	31.79	-0.8	4.80	1.32	31.80	-0.96	1	W
9	9	4050.8	7041.3	2	2	2024	12:13	57	5.91	1.22	32.03	-0.72	5.97	1.69	32.05	-0.95	1	W
10	10	4051.9	7055.5	2	2	2024	14:07	57	6.11	0.84	32.16	-0.74	6.43	1.31	32.24	-0.92	1	W
11	11	4101.6	7040.3	2	2	2024	16:33	49	NaN	NaN	NaN	NaN	5.25	1.66	31.91	-0.87	2	W
12	12	4114.0	7106.7	3	2	2024	13:10	41	5.77	1.46	31.33	-1.41	5.76	1.46	31.67	-0.97	1	W
13	13	4108.5	7106.2	3	2	2024	14:28	34	5.06	0.48	31.35	-1.44	4.90	0.76	31.76	-0.82	2	W
14	14	4109.0	7057.2	3	2	2024	16:04	31	4.66	0.41	31.41	-1.35	4.66	0.85	31.63	-0.87	1	W
15	15	4102.4	7054.5	3	2	2024	17:28	39	5.70	1.04	32.09	-0.69	5.69	1.8	32.09	-0.48	1	W
16	16	4057.8	7104.0	3	2	2024	19:06	49	5.07	-0.41	31.92	-0.99	5.77	0.36	32.13	-1.02	1	W
17	17	4102.5	7113.1	3	2	2024	20:50	43	5.12	-0.24	31.53	-1.36	5.49	0.34	31.90	-1.1	1	W
18	18	4105.4	7108.7	3	2	2024	23:54	36	4.48	-0.46	31.50	-1.33	5.35	0.91	32.03	-0.61	1	W
19	19	4107.4	7049.0	4	2	2024	2:20	37	4.84	0.51	31.85	-0.88	4.91	1.18	31.86	-0.73	1	W

Deployment codes: W = Water cast