

Oceanography Branch CTD Data Report
CTD_REPORT_2019001S1

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Oceans and Climate Branch CTD Data Report

CTD_REPORT_2019001S1

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

S11901
2019 Sea Scallop Survey
Data Coverage: May 17 – June 9, 2019
Mid Atlantic Bight South, Great South Channel, Georges Bank

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's 2019 Sea Scallop Survey aboard the UNOLS R/V *Hugh R. Sharp*. All data was obtained with the shipboard Seabird Electronics SBE Model 9/11+ CTD. Salt water samples were collected for the purpose of calibrating the conductivity cell.

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

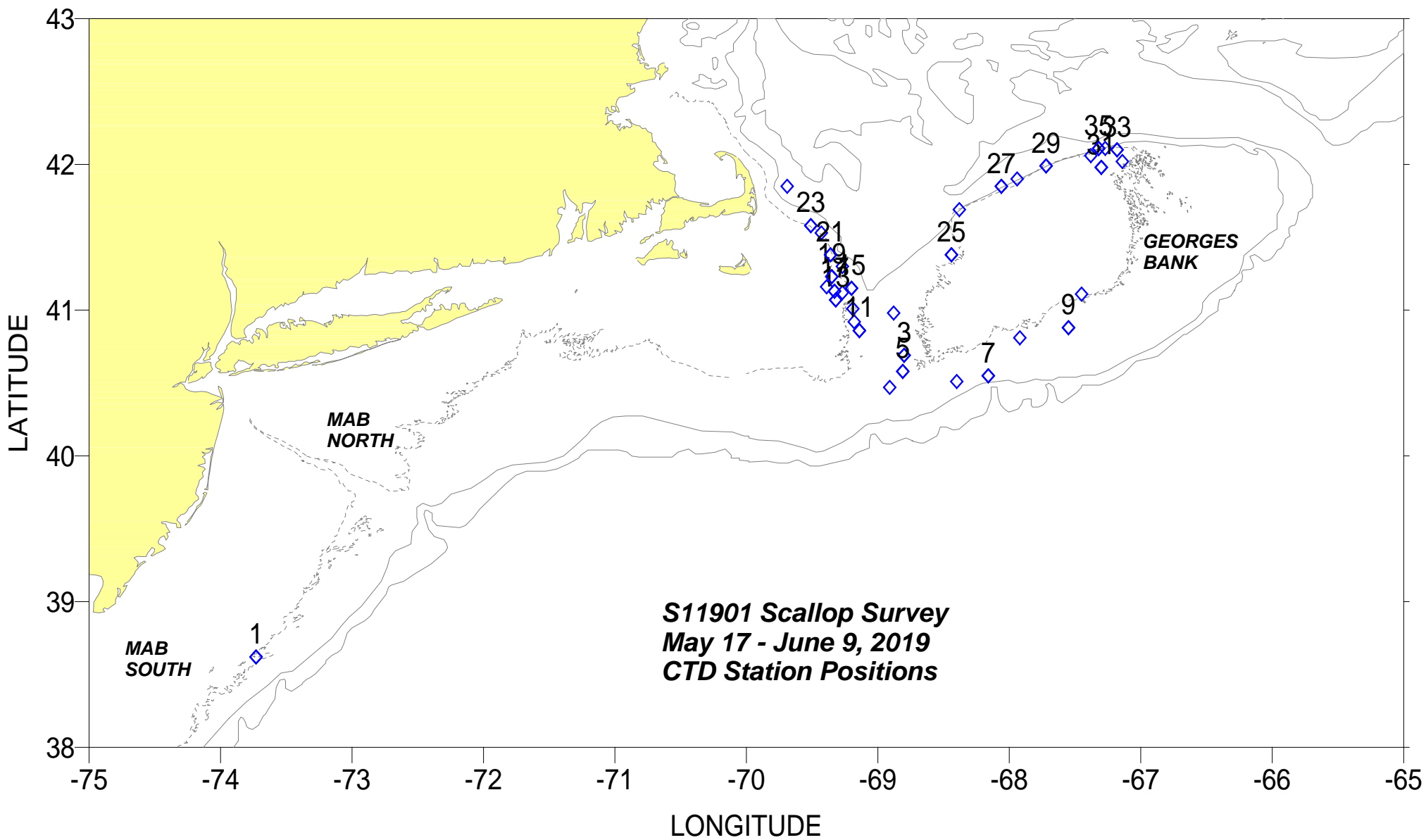
The most recent and complete station data can be found in an [NODC formatted ASCII file](#) and in a [comma delimited file](#).

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

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

choose: **2019 Cruises**
MAY_SCALLOP_S11901
CTD_REPORT_2019001S1

Revised: January 14, 2020



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
S11901 Sea Scallop Survey
May 17 - June 9, 2019**

CRUISE	CD	SURFACE						BOTTOM						Purpose	
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag		
								Georges Bank							
s11901	154	16	9.33	0.04	0.28	1.42	0	16	7.95	0.48	1.22	1.11	0	60	
s11901	154	16	32.35	-0.46	0.1	0.33	0	16	32.65	-0.46	0.42	0.14	0	60	

"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 identifying the NEFSC program survey where 60 denotes a scallop survey.

**S11901 Sea Scallop Survey
May 17 - June 9, 2019**

Cast #	Sta #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
1	4	3837.0	7343.9	17	5	2019	22:22	59	13.26	33.69	7.77	33.24	2	W
2	12	4058.8	6852.8	29	5	2019	12:17	70	8.56	32.50	8.37	32.53	2	W
3	16	4041.2	6848.1	29	5	2019	18:22	68	9.37	32.41	8.37	32.46	3	W
4	19	4028.4	6854.5	29	5	2019	23:50	76	8.89	32.29	6.81	32.81	3	V
5	22	4034.6	6848.9	30	5	2019	3:30	66	8.80	32.39	7.90	32.42	3	V
6	25	4030.5	6824.0	30	5	2019	9:00	94	8.64	32.33	7.53	33.23	5	W
7	29	4032.9	6809.5	30	5	2019	15:29	99	8.58	32.50	8.60	33.68	2	V
8	34	4048.5	6755.1	30	5	2019	22:30	71	8.99	32.42	7.16	32.46	3	W
9	37	4052.6	6733.0	31	5	2019	3:14	75	8.96	32.48	7.35	32.51	2	V
10	41	4106.6	6726.8	31	5	2019	11:10	61	8.71	32.48	7.65	32.56	3	W
11	45	4051.4	6908.1	2	6	2019	2:51	75	9.11	32.38	8.04	32.46	4	W
12	47	4055.3	6910.9	2	6	2019	5:51	69	10.00	31.75	6.57	32.24	4	W
13	50	4104.0	6919.2	2	6	2019	11:35	53	11.15	30.67	7.19	32.02	5	W
14	53	4100.8	6911.2	2	6	2019	15:52	51	9.74	31.62	6.84	32.18	4	W
15	56	4109.0	6911.9	2	6	2019	20:45	69	11.54	31.46	5.29	32.50	4	V
16	59	4107.4	6916.2	3	6	2019	0:18	54	10.19	30.95	6.07	32.25	4	V
17	62	4107.5	6919.7	3	6	2019	5:17	51	8.65	31.36	7.02	32.02	5	W
18	65	4109.9	6923.4	3	6	2019	11:24	48	11.99	30.68	5.73	32.23	4	V
19	68	4113.9	6920.8	3	6	2019	15:11	55	9.06	31.32	5.81	32.23	4	W
20	72	4117.8	6916.4	3	6	2019	20:47	88	12.62	29.90	4.86	32.51	4	V
21	76	4122.9	6921.8	4	6	2019	0:44	56	12.27	29.97	5.15	32.20	3	V
22	79	4131.8	6925.6	4	6	2019	4:38	66	12.22	29.94	4.95	32.23	4	W
23	82	4134.6	6930.7	4	6	2019	8:57	59	11.89	30.22	4.77	32.31	4	V
24	85	4150.8	6941.6	4	6	2019	14:55	112	11.19	31.05	4.78	32.50	3	W
25	93	4122.8	6826.4	8	6	2019	3:50	72	12.60	31.25	9.09	32.44	5	W
26	97	4141.1	6822.8	8	6	2019	8:33	59	11.97	31.04	6.80	32.55	7	V
27	100	4150.9	6803.8	8	6	2019	12:53	83	12.00	31.57	5.82	32.83	4	V
28	103	4153.8	6756.7	8	6	2019	16:38	80	12.12	31.82	7.40	32.57	4	W

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29	106	4159.5	6743.0	8	6	2019	20:24	58	10.14	32.39	8.32	32.52	4	W
30	110	4203.7	6722.7	9	6	2019	1:47	52	10.12	32.41	6.57	32.74	4	V
31	112	4158.8	6718.1	9	6	2019	3:57	50	9.63	32.59	9.61	32.64	4	W
32	114	4201.3	6708.5	9	6	2019	9:12	50	9.11	32.66	9.10	32.67	5	V
33	118	4206.2	6710.6	9	6	2019	13:11	57	10.26	32.43	6.06	32.83	3	V
34	121	4206.9	6716.3	9	6	2019	17:18	73	10.03	32.45	6.96	32.69	4	W
35	124	4206.9	6719.2	9	6	2019	21:10	73	9.81	32.59	8.50	32.57	3	V

Deployment codes: W=water cast; and V=vertical cast