

Oceanography Branch CTD Data Report
CTD_REPORT_2018001S1

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Oceanography Branch CTD Data Report

CTD_REPORT_2018001S1

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

S1 18-01
2018 Sea Scallop Survey
Data Coverage: May 20 – June 17, 2018
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 2018 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 at:
ftp://ftp.nefsc.noaa.gov/pub/hydro/nodc_files/S11801.dat

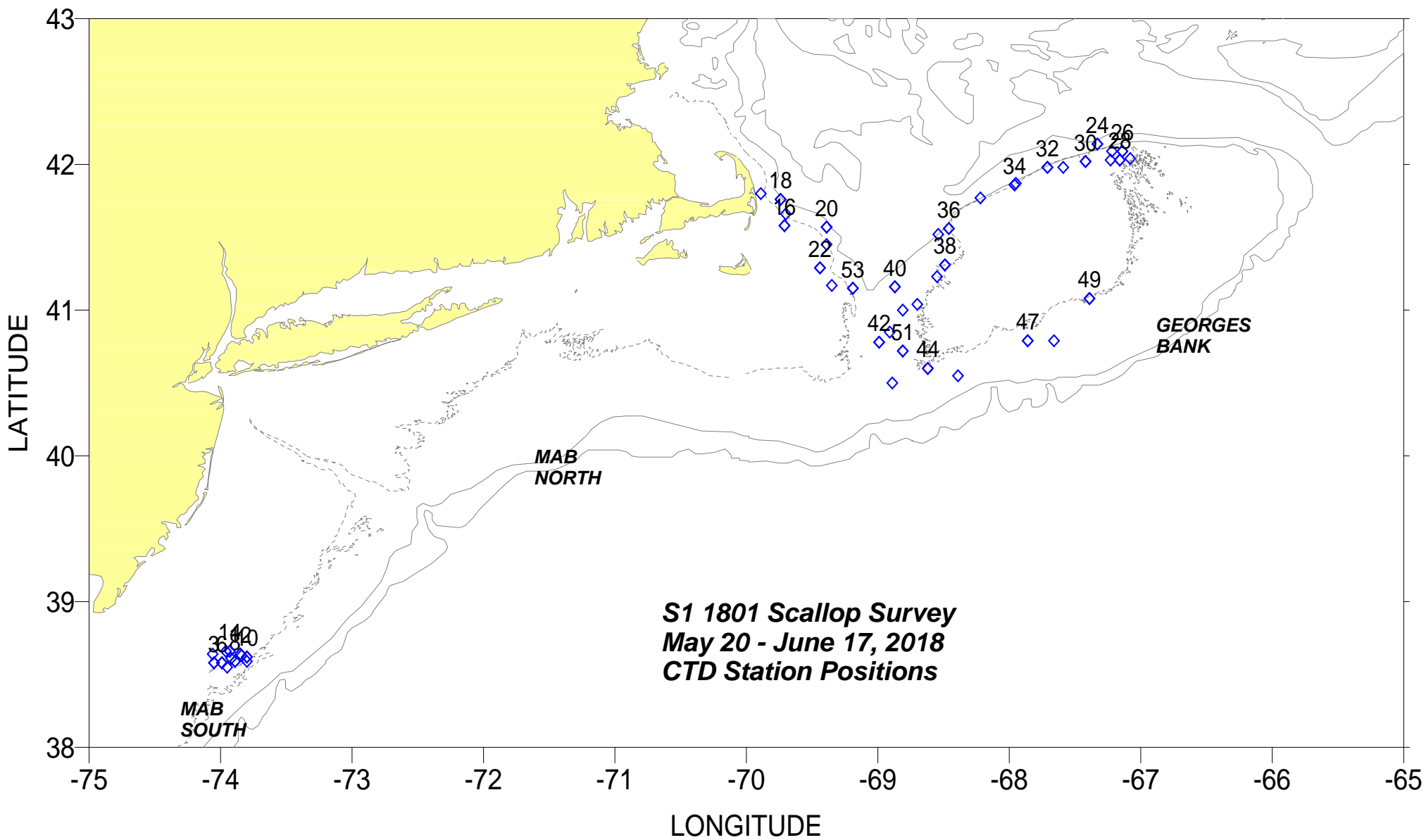
The data is also stored in a comma delimited file
ftp://ftp.nefsc.noaa.gov/pub/hydro/csv_files/S11801_for_ocdbs.csv

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

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

choose: **2018 Cruises**
MAY_SCALLOP_S11801
CTD_REPORT_2018001S1

Revised: April 4, 2019



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
S11801 Sea Scallop Survey
May 20 - June 17, 2018**

CRUISE	CD	SURFACE						BOTTOM						Purpose	
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag		
								Georges Bank							
s11801	156	21	9.77	0.17	0.24	1.04	0	19	8.36	NaN	1.09	0.93	0	60	
s11801	156	21	32.70	-0.09	0.08	0.23	0	19	32.89	NaN	0.37	0.16	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.

**S11801 Sea Scallop Survey
May 20 - June 17, 2018**

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
3	16	3835.0	7402.9	20	5	2018	2:26	55	12.55	32.31	7.03	33.06	7	V
4	19	3838.5	7403.7	20	5	2018	5:20	48	12.23	32.37	7.06	33.03	1	V
6	26	3834.8	7359.4	20	5	2018	17:56	50	12.94	32.33	6.94	33.18	1	W
7	28	3833.3	7357.1	20	5	2018	21:52	55	13.12	32.35	6.91	33.19	8	V
8	33	3835.2	7353.1	21	5	2018	2:03	58	12.80	32.24	6.86	33.24	4	V
9	35	3835.7	7348.1	21	5	2018	5:37	58	12.68	32.33	6.79	33.17	2	V
10	39	3836.9	7347.8	21	5	2018	11:47	60	12.67	32.24	6.79	33.15	11	W
11	42	3838.1	7350.4	21	5	2018	15:52	52	13.04	32.29	6.80	33.14	1	V
12	44	3838.3	7350.8	21	5	2018	18:05	52	NaN	NaN	6.82	33.13	3	V
13	46	3836.5	7355.2	21	5	2018	19:53	50	13.22	32.33	6.89	33.15	1	W
14	48	3839.4	7355.8	21	5	2018	23:42	50	13.35	32.37	6.99	33.14	10	V
15	49	3839.3	7357.9	22	5	2018	0:25	50	13.37	32.38	6.96	33.15	14	V
16	54	4134.5	6942.7	25	5	2018	18:07	26	9.09	31.83	6.28	32.08	3	W
17	57	4148.3	6953.3	25	5	2018	23:02	32	10.09	31.74	7.24	31.96	8	W
18	60	4145.5	6944.7	26	5	2018	4:17	106	9.72	31.71	5.56	32.87	1	W
19	63	4139.7	6942.0	26	5	2018	8:30	63	9.48	31.70	5.01	32.39	1	V
20	66	4134.0	6923.4	26	5	2018	14:28	85	10.31	31.69	5.36	32.70	1	V
21	69	4127.0	6923.5	26	5	2018	18:47	50	9.88	31.80	5.32	32.33	1	W
22	72	4117.4	6926.6	27	5	2018	1:02	43	7.44	32.14	7.40	32.14	9	V
23	75	4110.4	6921.1	27	5	2018	6:39	48	8.96	31.99	5.71	32.37	1	W
24	90	4208.7	6719.7	31	5	2018	7:49	125	10.38	32.48	6.56	33.31	59	W
25	93	4205.6	6713.3	31	5	2018	13:04	54	8.18	32.62	6.96	32.95	6	V
26	96	4205.5	6708.6	31	5	2018	17:55	50	8.87	32.80	8.59	32.84	1	V
27	99	4202.3	6704.7	31	5	2018	22:36	59	8.87	32.61	8.47	32.81	10	W
28	103	4201.8	6709.4	1	6	2018	2:43	56	8.61	32.82	8.61	32.82	9	V
29	106	4202.0	6713.8	1	6	2018	7:57	47	8.63	32.71	8.29	32.71	1	W
30	109	4201.0	6725.3	1	6	2018	12:21	50	9.02	32.49	7.28	32.79	3	V
31	112	4159.0	6735.2	1	6	2018	16:29	45	8.37	32.49	8.16	32.50	1	W

**S11801 Sea Scallop Survey
May 20 - June 17, 2018**

Cast #	Sta #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed	Deepest Observed	Meters from	Method of
											Temp (deg C)	Salt	Bottom	Deployment
32	115	4158.8	6742.9	1	6	2018	20:58	51	9.91	32.32	6.65	32.72	2	V
33	118	4152.2	6757.3	2	6	2018	1:34	67	10.46	32.30	6.51	32.72	9	V
34	121	4151.6	6757.7	2	6	2018	4:48	61	9.63	32.43	7.66	32.61	1	W
35	124	4146.3	6813.5	2	6	2018	8:08	72	10.83	32.19	6.14	32.86	2	V
36	126	4133.7	6827.7	2	6	2018	12:20	76	11.80	32.03	6.10	32.69	10	V
37	129	4131.5	6832.2	2	6	2018	15:49	98	10.85	32.18	5.73	32.90	1	W
38	132	4118.8	6829.6	2	6	2018	20:29	60	9.01	32.56	7.16	32.55	1	V
39	136	4113.6	6833.1	3	6	2018	0:18	64	8.08	32.53	7.99	32.53	10	V
40	140	4109.4	6852.0	3	6	2018	4:42	90	11.27	31.88	5.81	32.71	1	W
41	142	4102.6	6842.2	3	6	2018	7:42	60	8.65	32.65	8.67	32.65	1	V
42	145	4046.8	6859.2	6	6	2018	3:44	73	8.26	32.56	7.00	32.55	4	W
43	148	4030.1	6853.4	6	6	2018	9:32	75	11.16	33.01	9.60	33.20	8	V
44	151	4036.0	6837.0	6	6	2018	16:01	65	11.06	33.05	9.95	33.15	1	W
45	154	4033.0	6823.2	6	6	2018	21:16	92	10.72	32.77	8.11	33.42	1	V
47	160	4047.4	6751.4	7	6	2018	8:17	70	9.46	32.85	7.55	32.92	3	V
48	163	4047.6	6739.3	7	6	2018	12:53	77	10.62	32.66	7.88	33.04	8	V
49	166	4104.5	6723.3	7	6	2018	19:20	64	11.31	32.56	8.68	32.92	2	W
50	173	4051.2	6854.4	12	6	2018	13:44	69	10.14	32.95	10.15	32.96	6	W
51	176	4043.2	6848.9	12	6	2018	17:30	66	12.95	33.10	10.63	33.10	2	W
52	179	4059.8	6848.4	12	6	2018	21:38	66	10.33	32.87	10.35	32.88	8	V
53	188	4108.9	6911.7	17	6	2018	22:01	70	9.72	32.11	6.02	32.49	11	W

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