

Oceans and Climate Branch CTD Data Report

CTD_REPORT_2019007HB

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

HB 1907
Mesopelagic Survey
Data Coverage: July 25 - August 7, 2019
Mid Atlantic Bight, Off-Shelf

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's HB1907 Mesopelagic Survey aboard the NOAA FSV *Henry B Bigelow*. Data was obtained with a SBE Model 9/11+ s/n 0832. Sea water samples were taken for the purpose of calibrating salinity values. An SBE43 Dissolved Oxygen sensor was used on all CTD casts. A Biospherical Instruments Inc. QSP2300 PAR (Photosynthetically Active Radiation) sensor malfunctioned on cast 008 and was not used thereafter. A WET Labs ECO-AFL/FL fluorometer was mounted on the CTD and collected data on casts 011-019 only, the fluorometry data is available upon request. The SBE9/11+ was used for a total of 19 stations.

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**

JUL_ACOUSTICS_HB1907

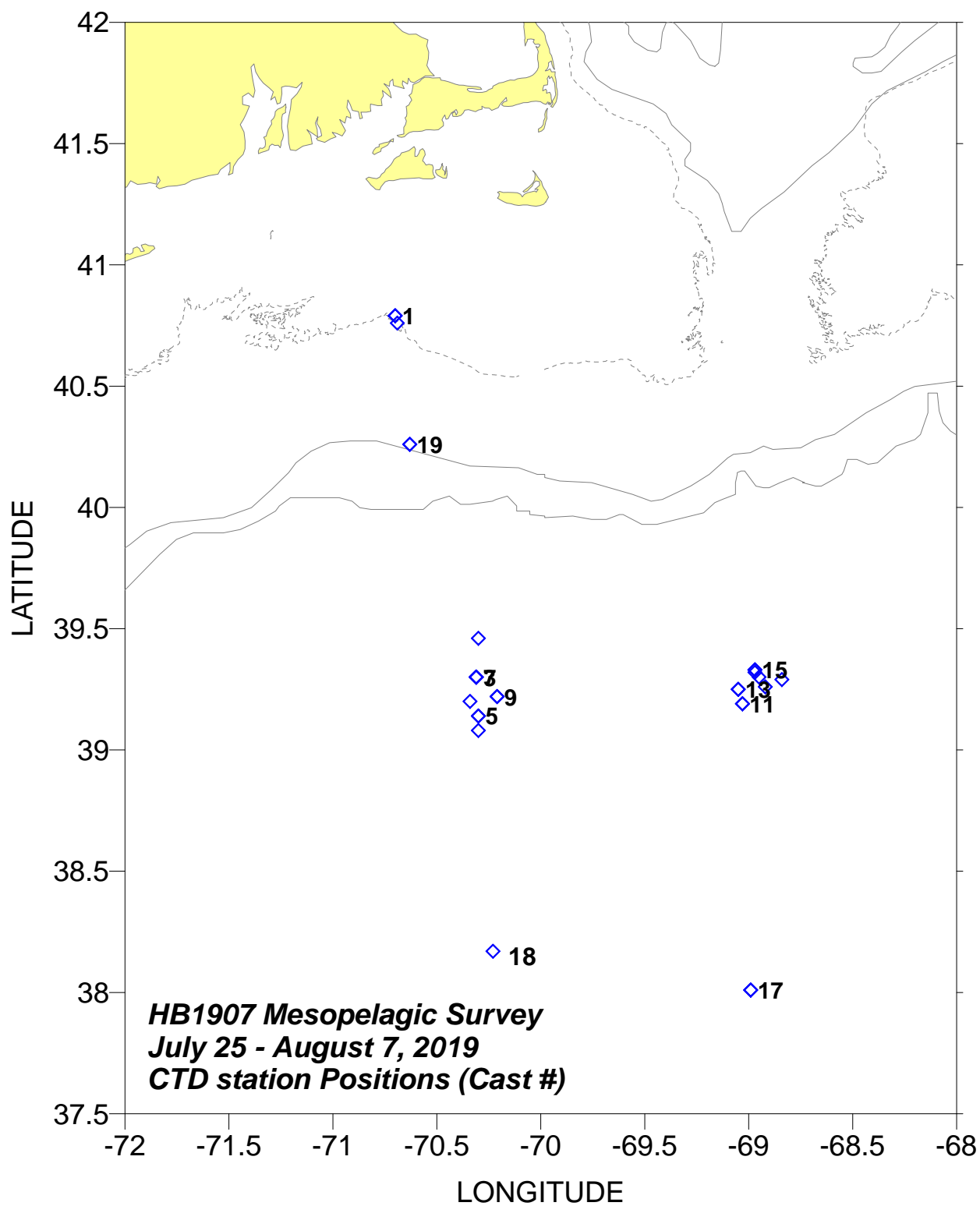
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Revised: January 14, 2020



HB1907 Mesopelagic/Deep See Survey
July 25 - August 7, 2019

Cast #	Station #	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
1	1	4047.2	7042.1	25	7	2019	23:57	60	20.37	32.01	8.52	32.54	2	W
2	1	4045.6	7041.1	26	7	2019	1:04	59	20.02	32.01	8.58	32.59	3	W
3	2	3917.9	7018.5	26	7	2019	9:50	2614	24.27	34.08	4.35	34.97	1604	W
4	2	3905.0	7018.0	26	7	2019	23:41	2747	25.60	34.42	14.43	35.85	2624	W
5	2	3908.2	7018.0	27	7	2019	2:01	2723	25.40	34.34	4.29	34.97	1711	W
6	2	3927.3	7017.9	28	7	2019	4:12	2466	25.54	34.74	4.27	34.96	1456	W
7	2	3918.1	7018.4	28	7	2019	12:36	2610	25.79	34.91	4.30	34.96	1599	W
8	2	3911.7	7020.2	30	7	2019	3:37	2687	26.15	35.08	4.28	34.97	1677	W
9	2	3912.9	7012.5	31	7	2019	0:17	2685	26.76	35.15	4.17	34.96	1668	W
10	3	3918.1	6857.0	31	7	2019	12:36	2812	27.22	35.71	4.44	34.99	1800	W
11	3	3911.6	6902.0	31	7	2019	17:21	2910	27.58	35.92	18.14	36.49	2787	W
12	3	3915.7	6855.2	1	8	2019	15:47	2857	27.33	35.61	4.35	34.98	1841	W
13	3	3915.0	6902.7	3	8	2019	4:16	2835	26.99	35.45	4.43	34.99	1824	W
14	3	3917.3	6850.3	4	8	2019	4:20	2909	27.26	35.75	4.40	34.99	1898	W
15	3	3919.5	6858.4	5	8	2019	13:03	2822	27.33	35.54	15.14	35.78	2700	W
16	3	3919.3	6858.0	5	8	2019	14:09	2822	27.33	35.58	4.40	34.99	1810	W
17	4	3800.5	6859.4	6	8	2019	6:58	3931	27.21	34.50	4.34	34.98	2922	W
18	5	3810.2	7013.9	7	8	2019	0:09	3510	27.19	34.88	4.26	34.97	2494	W
19	6	4015.4	7037.5	7	8	2019	20:14	114	24.79	34.32	13.28	35.59	9	W

Deployment codes: W=water cast