Oceanography Branch CTD Data Report
CTD_REPORT_2016009PC

For further information, contact Tamara Holzwarth-Davis
National Marine Fisheries Service,
Northeast Fisheries Science Center,
Woods Hole, Massachusetts 02543-1097.

DATE: April 5, 2017

Oceanography Branch CTD Data Report

CTD_REPORT_2016009PC

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

PC 16-09
ECOMON Survey
Data Coverage: October 19-20, 2016
Northern Mid Atlantic Bight

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's PC1609 ECOMON Survey aboard the NOAA FSV *Pisces*. Data was obtained with a Seabird Electronics SBE Model 19+ profiling CTD (s/n 4758) and a Seabird Electronics SBE Model 9/11+ CTD (s/n 0420). Sea water samples were taken for the purpose of correcting salinity values for both instruments.

While this cruise was originally scheduled to end November 8, 2016, issues with a generator coupling followed by bad weather forced the cruise to an abrupt end after the 2nd day at sea.

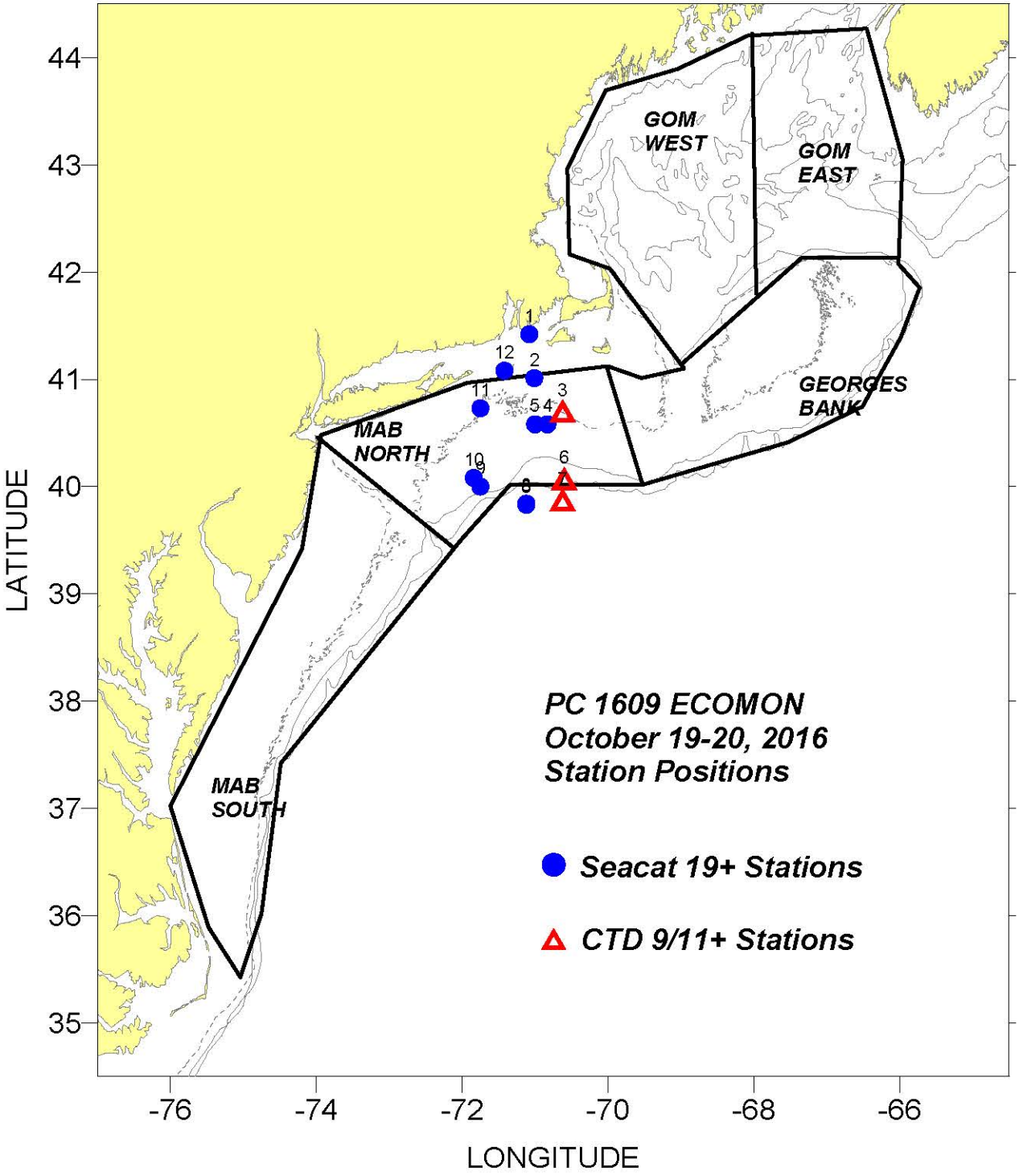
Data presented here have been audited, however, corrections and/or updates may be applied at a later time. The most recent and complete station data can be found in an NODC formatted ASCII file at:
ftp://ftp.nefsc.noaa.gov/pub/hydro/nodc_files/PC1609.dat

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

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

choose: **2016 Cruises**
OCT_ECOMON_PC1609
CTD_REPORT_2016009PC.pdf

Revised: April 5, 2017


GOM
WEST
GOM
EAST
GEORGES
BANK
MAB
NORTH
MAB
SOUTH
1
2
3
4
5
6
8
9
10
11
12
PC 1609 ECOMON
October 19-20, 2016
Station Positions
Seacat 19+ Stations
CTD 9/11+ Stations
LATITUDE
LONGITUDE
44
43
42
41
40
39
38
37
36
35
-76
-74
-72
-70
-68
-66

Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
PC1609 ECOMON Survey
October 19-20, 2016

		SURFACE						BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
							MAB North							
pc1609	293	8	19.22	3.06	1.67	0.81	1	8	17.69	4.37	1.69	2.23	1	22
pc1609	293	8	34.36	1.23	0.7	0.41	1	8	34.9	1.02	0.58	0.62	1	22

"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 assigned by DMS to identify a unique NEFSC program survey.

PC1609 ECOMON Survey
October 19 - 20, 2016

Cast #	Sta #	Lat (deg N)	Long (deg W)	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	1	4125.5	7104.8	19	10	2016	1:47	19	17.26	32.43	17.26	32.43	1	B
2	2	4100.8	7100.4	19	10	2016	5:13	46	17.12	33.00	18.26	34.01	5	B
1	**3**	**4040.3**	**7037.3**	**19**	**10**	**2016**	**8:09**	**61**	**18.83**	**34.21**	**19.52**	**34.75**	**2**	**W**
3	4	4035.0	7049.7	19	10	2016	9:32	70	18.62	34.00	19.72	34.86	7	B
4	5	4034.9	7100.0	19	10	2016	10:35	73	18.18	33.85	19.72	34.89	6	B
2	**6**	**4002.2**	**7036.1**	**19**	**10**	**2016**	**14:58**	**176**	**21.42**	**35.73**	**13.19**	**35.66**	**3**	**W**
3	**7**	**3950.1**	**7037.2**	**19**	**10**	**2016**	**16:56**	**925**	**23.29**	**35.57**	**6.03**	**35.05**	**420**	**W**
5	8	3950.5	7107.0	19	10	2016	20:12	860	21.25	35.36	12.52	35.59	657	B
6	8	3949.9	7107.2	19	10	2016	20:37	906	21.32	35.35	6.22	35.06	405	W
7	9	3959.8	7144.9	20	10	2016	1:25	97	20.82	35.36	15.82	35.27	4	B
8	10	4004.6	7150.1	20	10	2016	2:20	85	20.86	35.43	16.38	35.15	2	B
9	11	4043.9	7145.2	20	10	2016	6:32	59	17.92	33.27	18.92	34.58	5	B
10	12	4104.8	7125.1	20	10	2016	9:22	38	17.50	32.70	18.26	33.97	4	B

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

Casts in bold are from CTD s/n 0420