

Oceanography Branch CTD Data Report
CTD_REPORT_2009001DE

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DATE: Revised: October 7, 2009

Oceanography Branch CTD Data Report

CTD_REPORT_2009001DE

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

DE 09-01
NOAA/LMRCSC Research Survey
Data Coverage: January 15 – 21, 2009
Southern Mid Atlantic Bight

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's 2009 NOAA/Living Marine Resources Cooperative Science Center research survey aboard the NOAA FRV *Delaware II*. All data was obtained with Seabird Electronics SBE Model 19 profiling CTDs (s/n 1496 and s/n 2879).

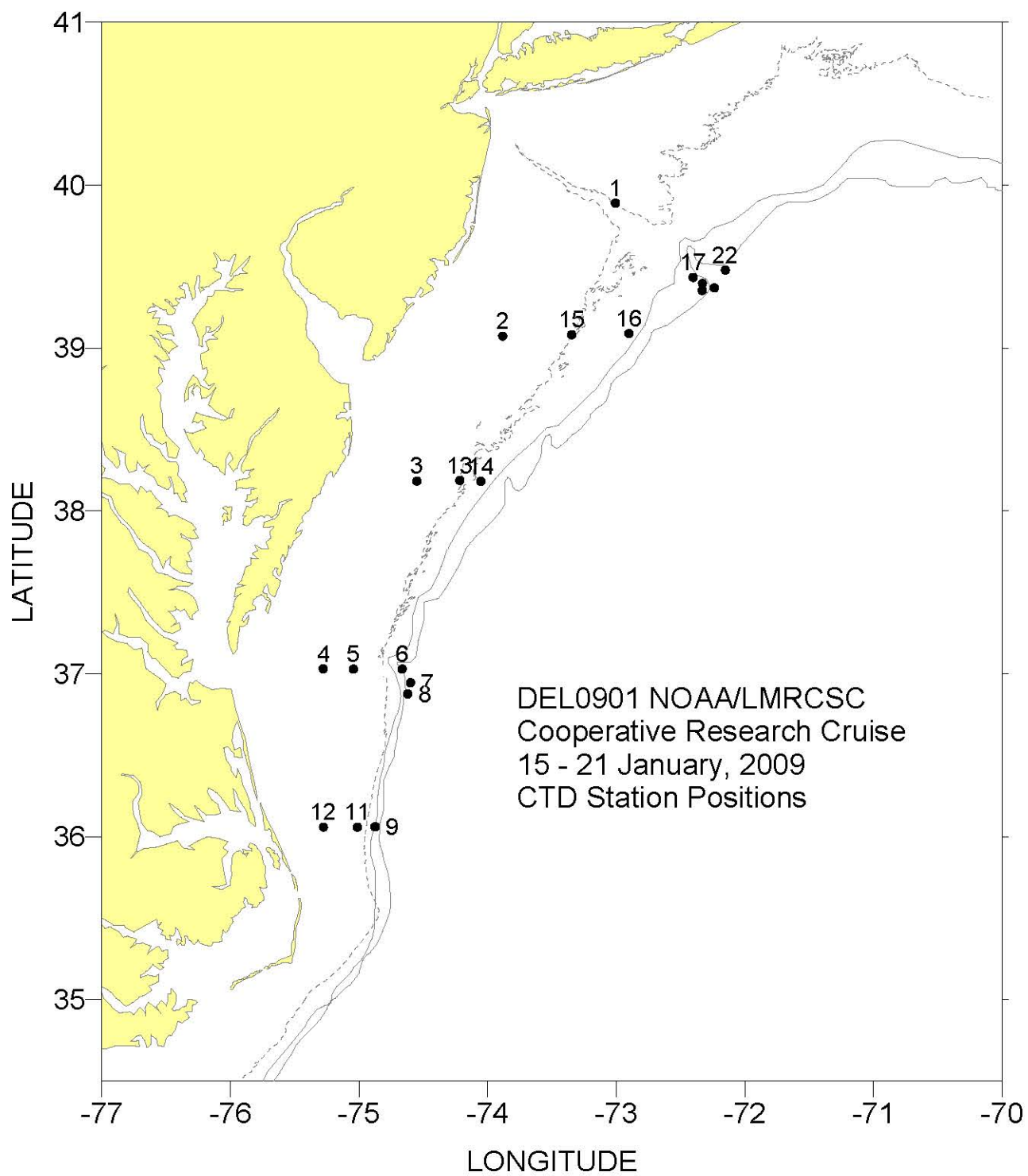
Data presented here have been audited, however, corrections and/or updates may be applied at a later time. The most recent and complete station data can be found in an NODC formatted ASCII file at:
<ftp://ftp.nefsc.noaa.gov/pub/hydro/del0901.dat>

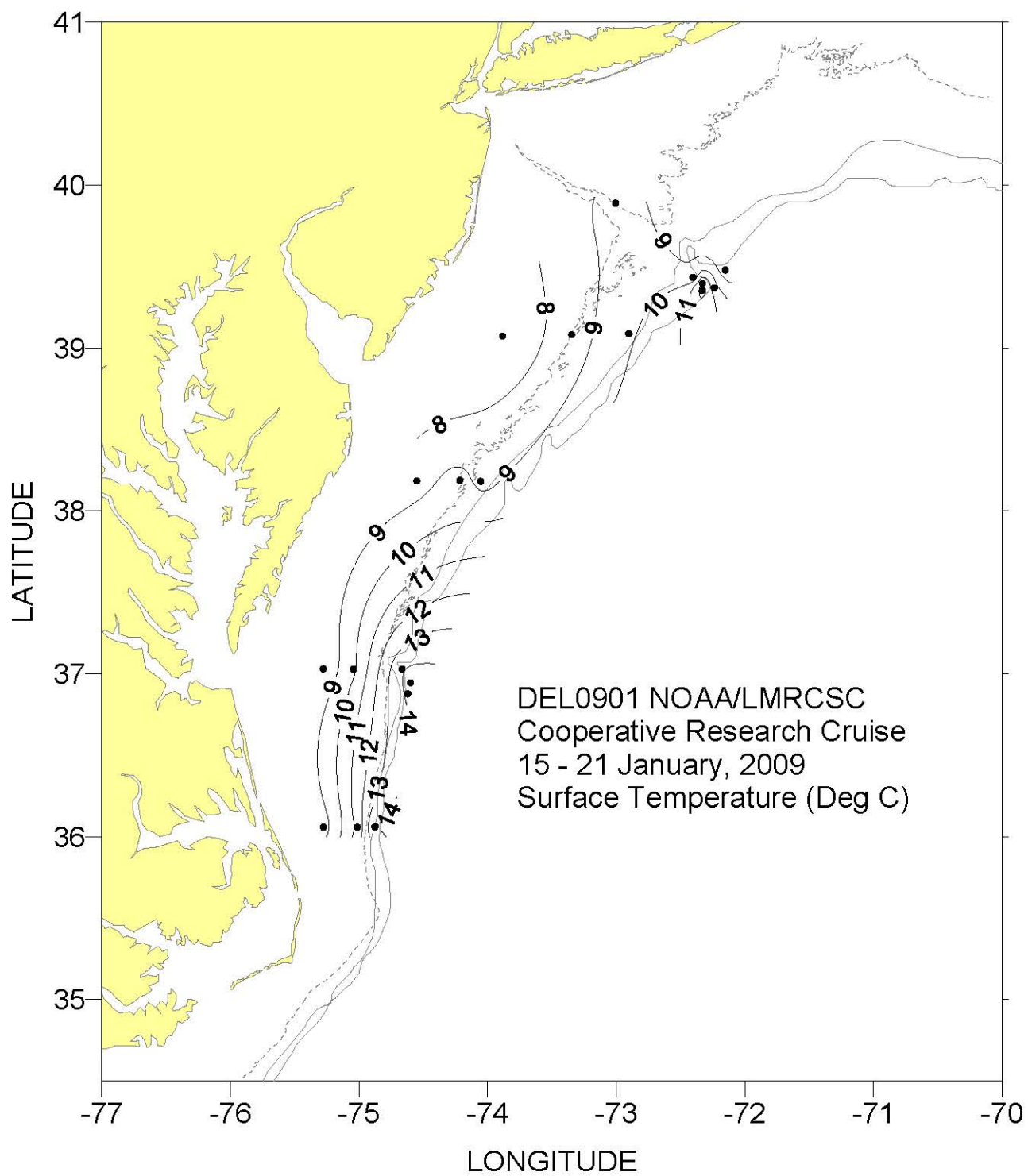
This report may be viewed on the Oceanography Branch website at:

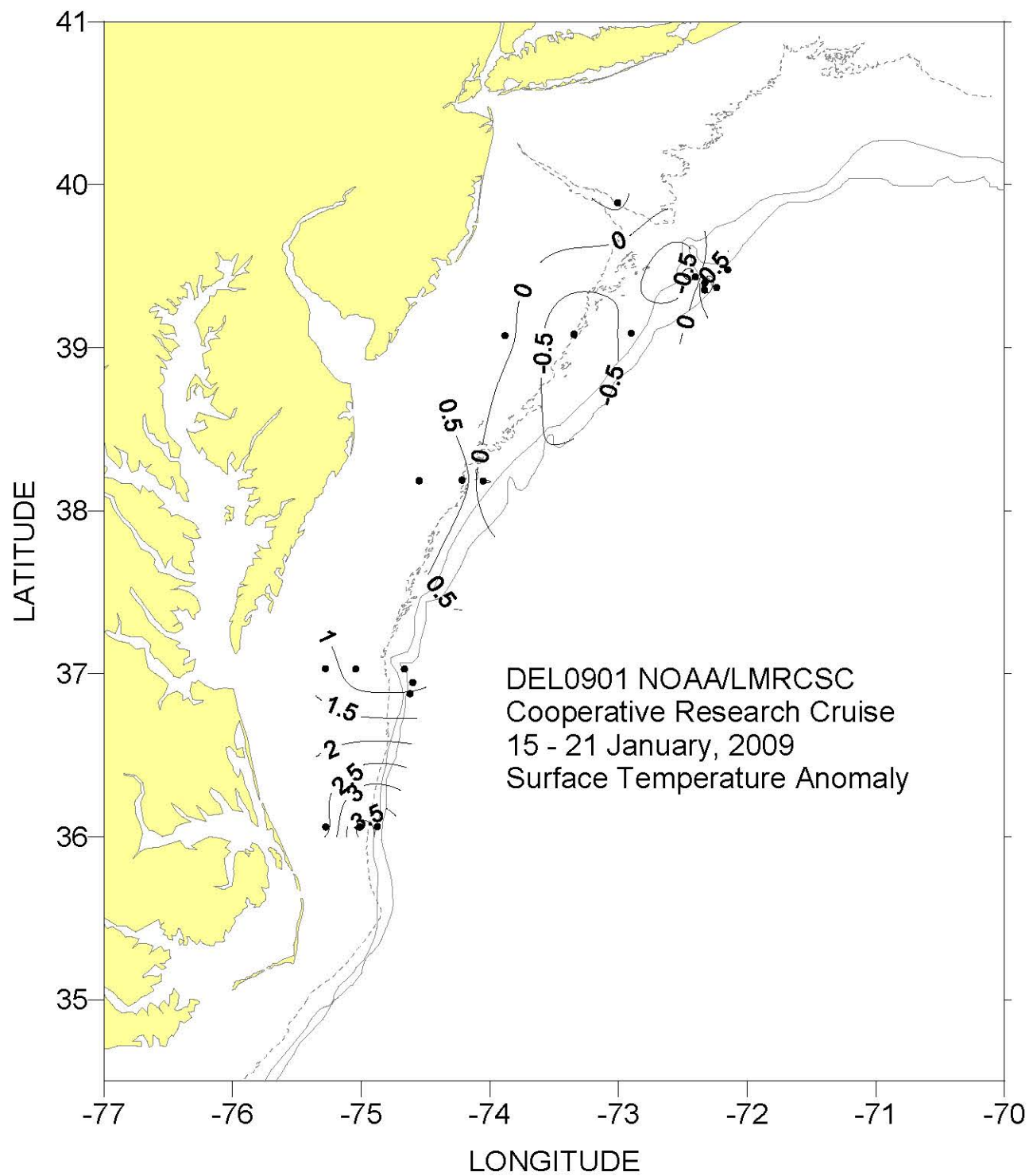
<http://www.nefsc.noaa.gov/HydroAtlas/>

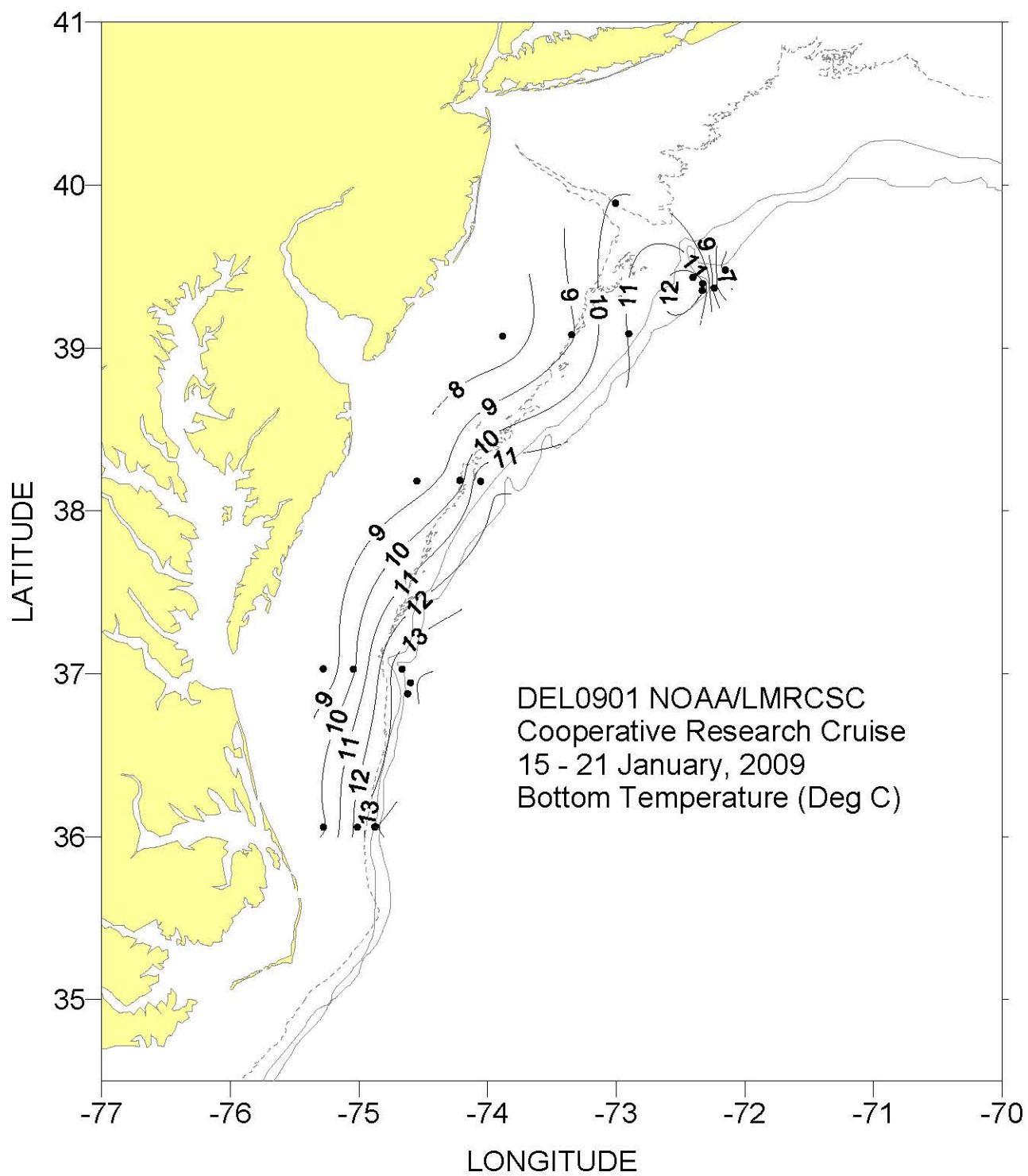
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 JAN_LMRCSC_DEL0901
 CTD_REPORT_2009001DE.pdf

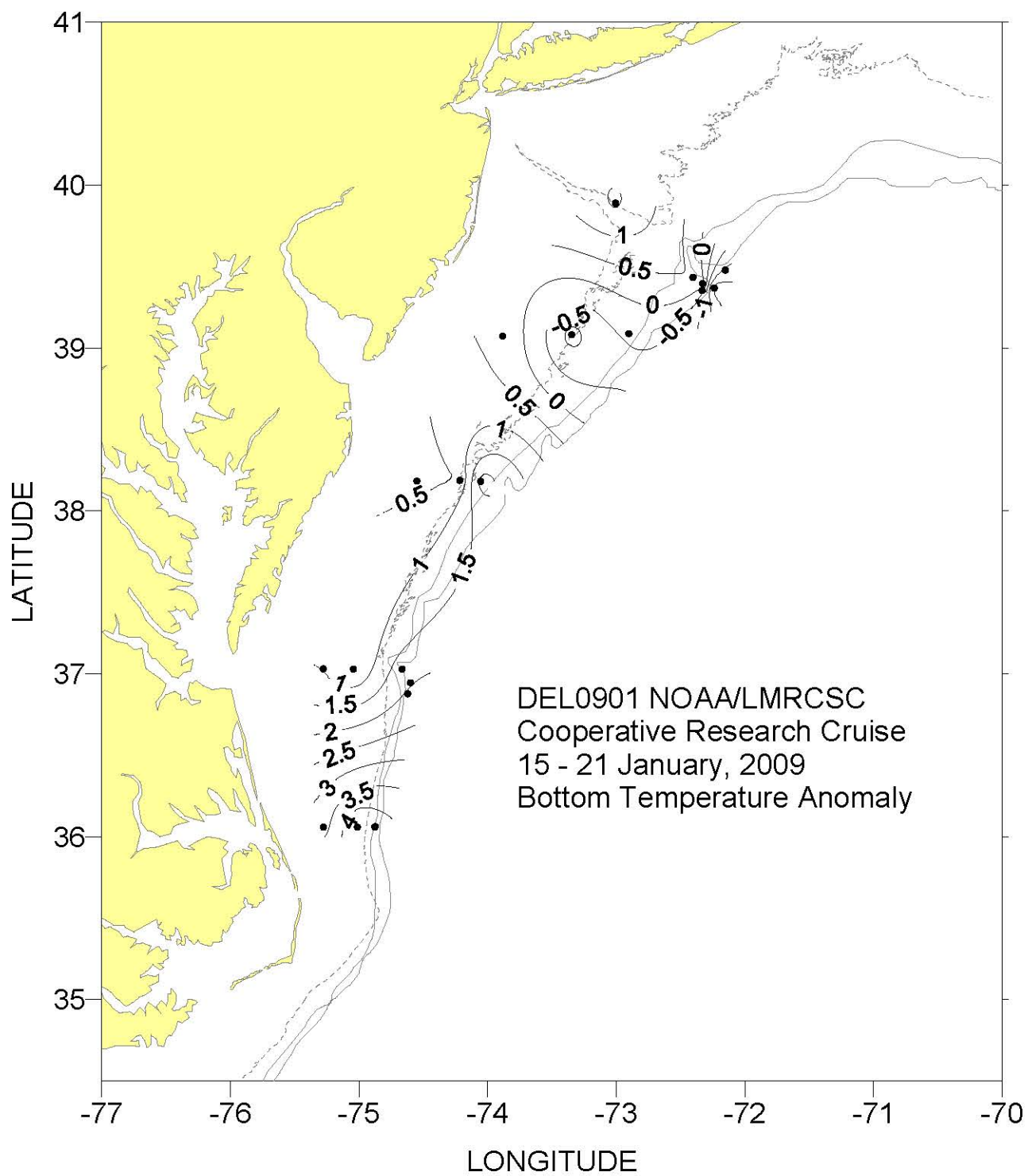
Revised: October 7, 2009

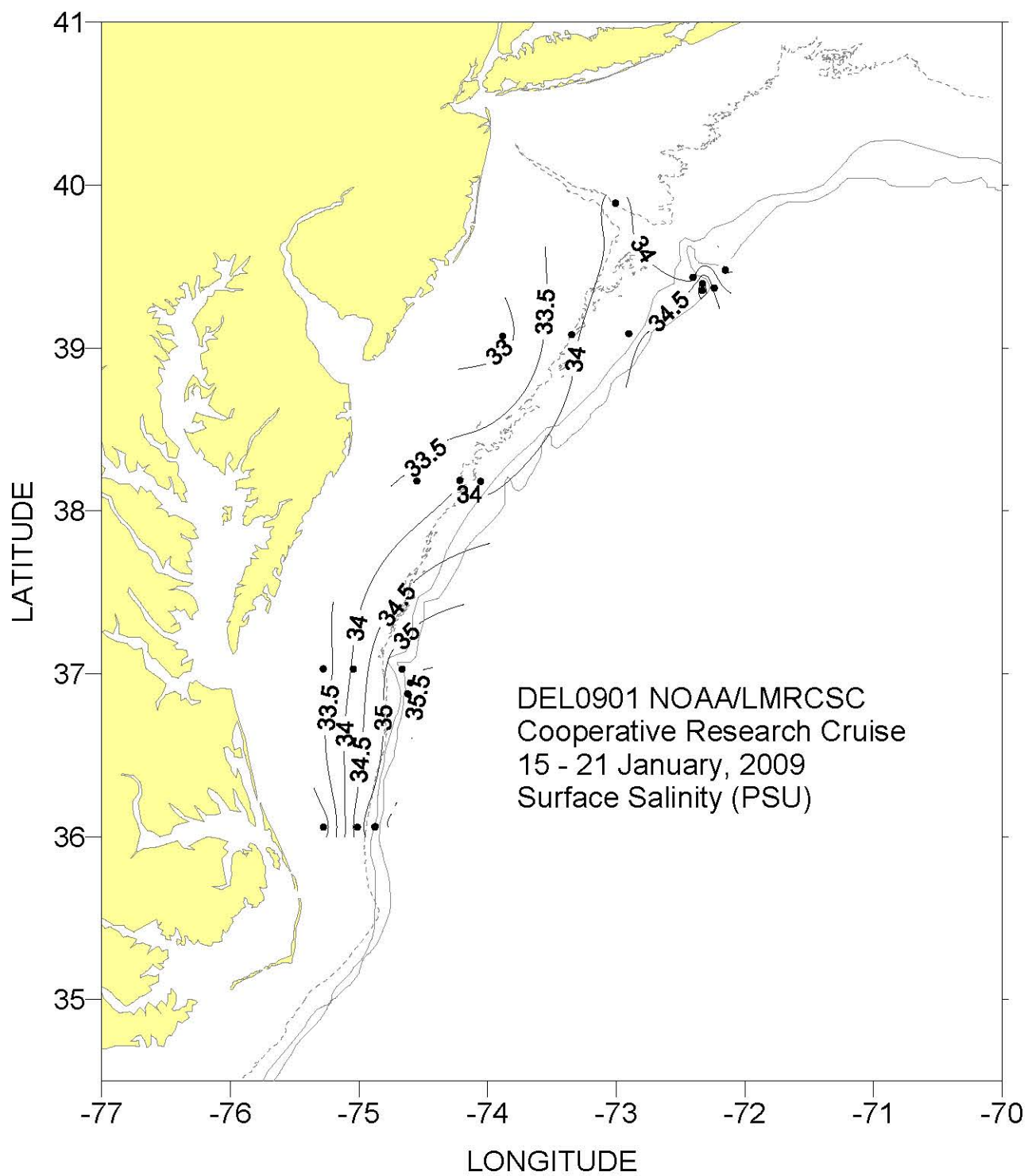


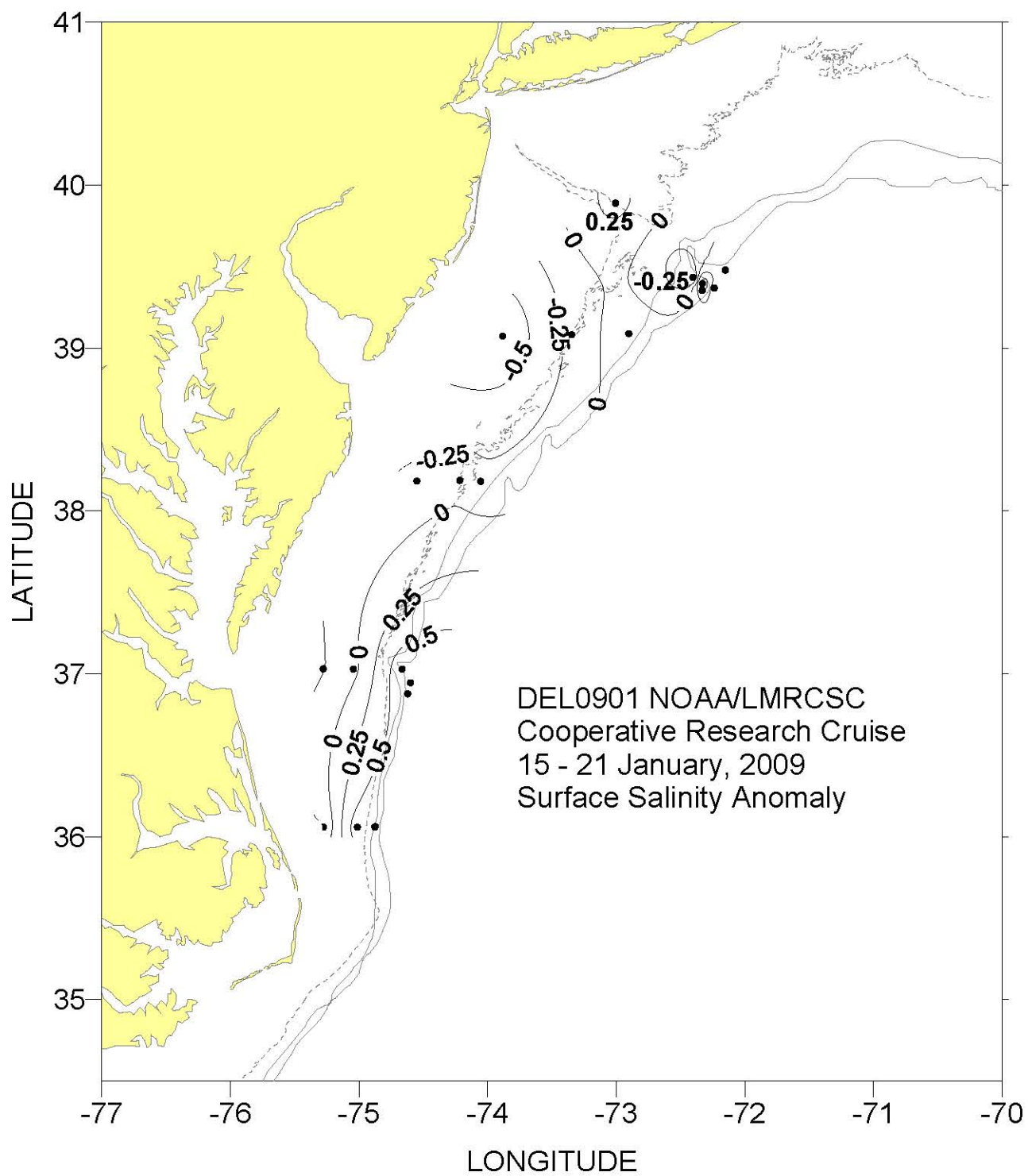


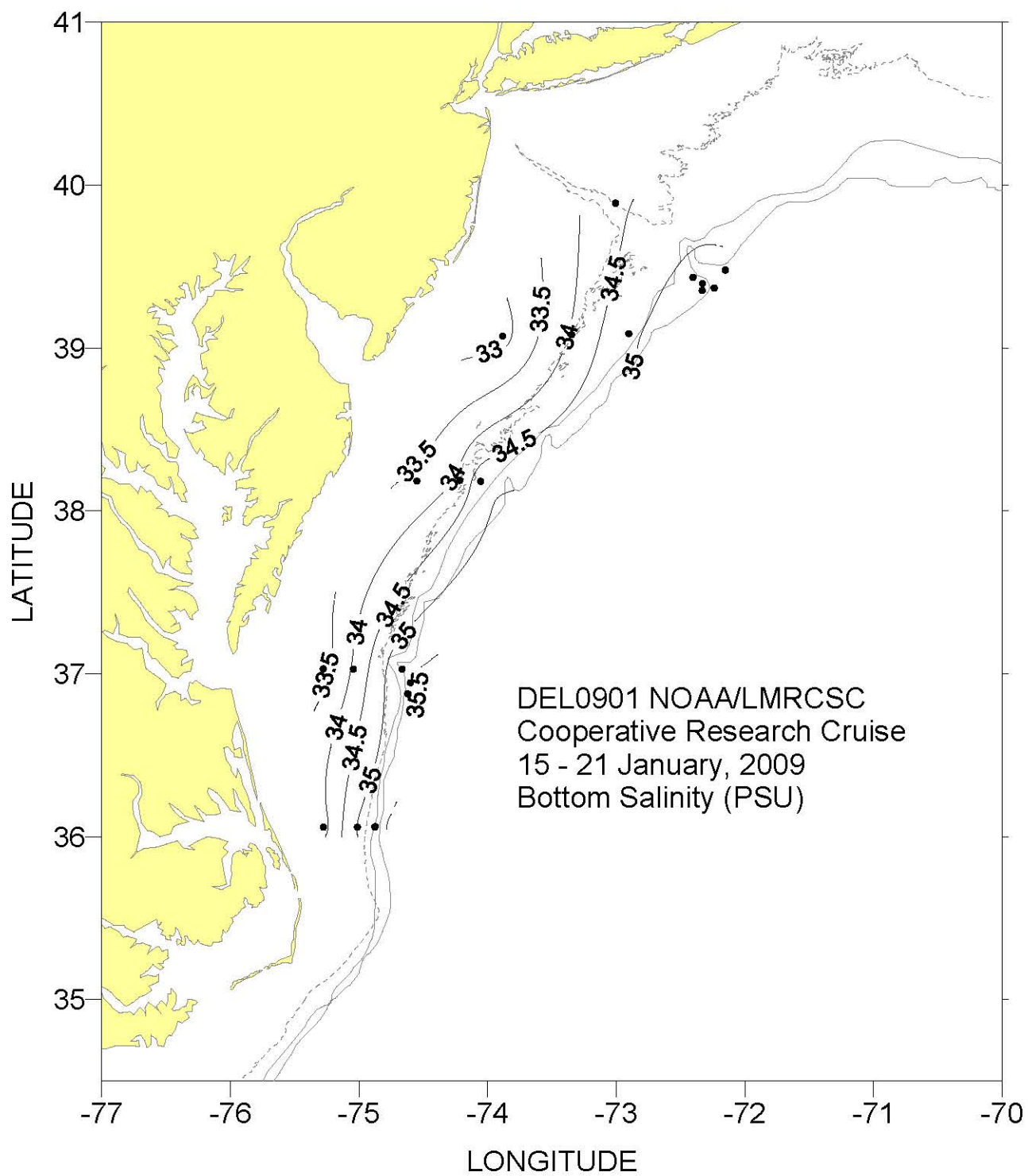


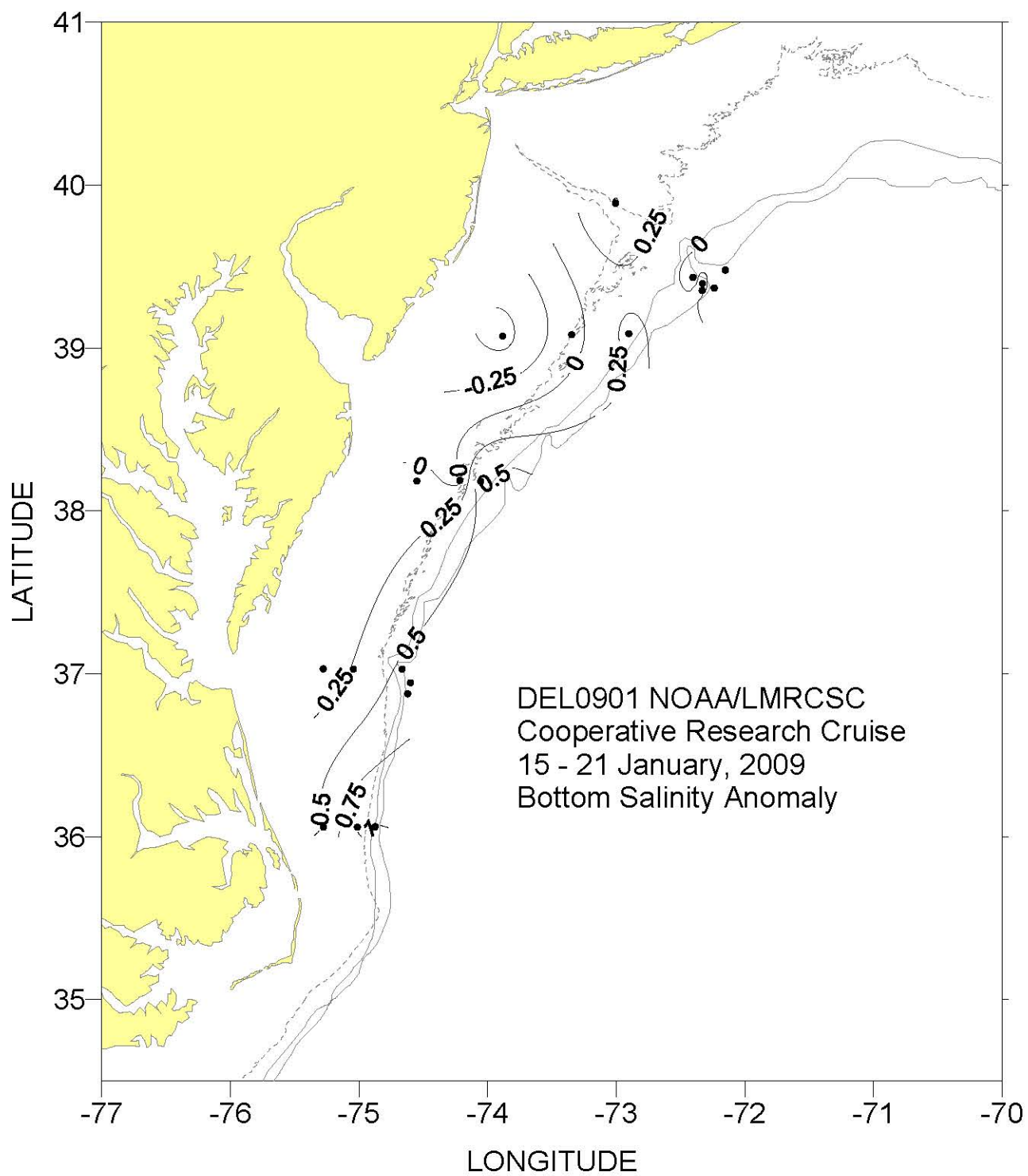












Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for DEL0901 Cooperative Cruise

		SURFACE						BOTTOM						Purpose
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
		MAB South												
DEL0901	18	22	10.30	0.71	0.30	1.27	1	15	10.37	1.26	0.37	1.79	1	90
DEL0901	18	21	34.25	0.04	0.22	0.44	1	14	34.29	0.29	0.22	0.46	1	90

"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.

DEL0901
NOAA/LMRCSC Cooperative Research Cruise
15 - 21 January, 2009

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	3953.4	7300.4	15	1	2009	12:18	50	9.39	99.99	10.13	99.99	1
2	1	3953.3	7300.4	15	1	2009	12:33	50	9.42	34.09	10.15	34.38	1
3	1	3953.3	7300.4	15	1	2009	12:48	51	9.38	34.07	10.14	34.37	1
4	2	3904.4	7353.0	16	1	2009	5:19	30	7.26	32.82	7.27	32.82	1
5	3	3811.0	7433.0	16	1	2009	14:25	36	8.51	33.61	8.55	33.63	3
6	4	3701.8	7516.7	17	1	2009	1:17	33	8.23	33.23	8.24	33.24	6
7	5	3701.7	7502.6	17	1	2009	7:49	44	9.82	34.07	9.86	34.08	3
8	6	3701.7	7439.9	17	1	2009	13:37	91	13.89	35.42	13.80	35.41	5
9	7	3656.7	7436.0	17	1	2009	22:43	570	14.38	35.50	5.38	35.03	66
10	8	3652.6	7437.3	18	1	2009	10:01	418	14.16	35.49	12.57	35.44	227
11	9	3603.7	7452.5	18	1	2009	19:27	87	13.96	35.42	14.00	35.43	37
12	10	3603.6	7452.6	18	1	2009	21:58	86	13.95	35.41	13.97	35.41	9
13	11	3603.5	7500.8	18	1	2009	23:04	44	11.29	34.76	12.31	35.04	6
14	12	3603.5	7516.6	19	1	2009	2:50	34	8.53	32.66	9.84	33.82	5
15	13	3811.2	7413.0	19	1	2009	18:02	60	9.45	33.98	9.50	34.00	5
16	14	3810.9	7403.2	19	1	2009	22:13	70	8.65	33.81	11.82	34.86	3
17	15	3904.9	7320.8	20	1	2009	8:31	59	8.45	33.91	8.86	34.03	1
18	16	3905.3	7254.1	20	1	2009	13:33	85	9.84	34.41	11.07	34.91	6
19	17	3926.0	7224.2	20	1	2009	20:08	128	9.24	33.79	12.41	35.13	7
20	18	3923.8	7219.8	20	1	2009	22:00	148	12.18	35.17	12.24	35.39	6
21	19	3921.2	7219.9	20	1	2009	23:40	163	12.45	35.21	12.10	35.30	7
22	20	3922.1	7214.3	21	1	2009	1:30	285	10.35	34.31	8.40	35.16	6
24	22	3928.7	7209.1	21	1	2009	18:19	488	8.24	33.42	6.25	35.03	15