

APPENDIX I. TIDES AND WATER LEVELS

Field Tide Note

A field tide note was not required for H12587.

Final Tide Note

Observed verified water levels for the station in Sandy Hook, NJ (8531680) were downloaded from the [NOAA Tides and Currents](#) web site. Water Level correctors were prepared for each zone using the **SABER Create Water Level Files** software. The **SABER Apply Correctors** software applied the water level data to the multibeam data according to the zone containing the nadir beam of each ping.

Please refer to the H12587 Descriptive Report Section C.1 for details regarding final tides for H12587. The water level zoning correctors, based entirely on Sandy Hook, NJ (8531680), were applied to all multibeam data for H12587.

No final tide note was provided by NOAA Center for Operational Oceanographic Products and Services (CO-OPS), Leidos is not required to have a final tide note from CO-OPS.

The on-line times for acquisition of valid hydrographic data are presented in the Abstract Times of Hydrography, H12587 (Table A-1).

Abstract Times of Hydrography

Project: OPR-B310-KR1-13

Registry No.: H12587

Contractor Name: Leidos

Date: 28 April 2014

Sheet Designation: 1

Inclusive Dates: 19 August 2013 - 18 January 2014

Field work is complete.

Begin Date	Begin Julian Day	Begin Time	End Date	End Julian Day	End Time
8/19/2013	231	12:45:06	8/19/2013	231	21:07:15
8/20/2013	232	12:10:40	8/20/2013	232	18:29:18
8/21/2013	233	11:34:48	8/21/2013	233	20:18:57
8/22/2013	234	17:22:38	8/22/2013	234	20:46:01
8/23/2013	235	11:28:35	8/23/2013	235	20:20:51
8/24/2013	236	11:48:53	8/24/2013	236	21:54:56
8/25/2013	237	11:17:11	8/25/2013	237	20:45:18
8/26/2013	238	11:19:58	8/26/2013	238	20:43:40
8/27/2013	239	11:17:09	8/27/2013	239	21:36:02
8/28/2013	240	11:03:10	8/28/2013	240	20:49:09
8/29/2013	241	11:16:00	8/29/2013	241	21:47:34
8/30/2013	242	11:38:11	8/30/2013	242	20:24:00
8/31/2013	243	11:15:23	8/31/2013	243	21:30:26