

The following surfaces and/or BAGs were submitted to the Processing Branch:

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
W00438_710_7125_2m_MLLW_1of1_Final	CUBE	2 m	26.10 m - 42.99 m	Final	Coverage
00438_710_7125_2m_MLLW_1of1_Final	InterpCUBE	2 m	26.10 m - 42.99 m	Interpolated	Coverage

G. Vertical and Horizontal Control

The vertical datum for this project is Mean Lower Low Water.

The vertical control method used for this survey was TCARI.

The following National Water Level Observation Network (NWLON) stations served as datum control for this survey:

Station Name	Station ID
Lewes, DE	8557380
Cape May, NJ	8536110
Atlantic City, NJ	8534720
Sandy Hook, NJ	8531680
Montauk, NY	8510560

The NWLON stations provided residuals for this project.

The vertical datum for this project is MLLW 83-01 NTDE. Tidal data was applied with a finalized TCARI grid (NF1712.tc) supplied by CO-OPS with verified tides values obtained from the assigned NWLON tide gauges.

The horizontal datum for this project is North American Datum 1983. The projection used for this survey is Projected UTM 18.

The following DGPS Stations were used for horizontal control:

DGPS Stations

The coordinate system for this survey is UTM NAD83, Zone 18N. Data were acquired with Marinestar corrections on ITRF2014. The difference between ITRF2014 and NAD83(2011) in this area is approximately a meter horizontally. Navigation and attitude data were adjusted in POSPac to NAD83 by exporting a custom SBET using NAD83 (2011) 2017.756 mapping frame.