

1. Tides and water levels

Preliminary and verified tide data were downloaded from the NOAA CO-OPS web page based on the Boston, MA (844-3970) station. Tide corrector files for each tide zone were created from actual tide data using the **iss2000 tid2hmps** routine. These corrector files were then applied to the multibeam data using the **appcors** program within the **iss2000 Survey Analysis** software. After verified tides were applied to all multibeam data, grids were created at 1 meter cell size for survey sheets B and C, and 2 meter cell size for sheet A. These grids were then analyzed using color change intervals of 0.1, 0.2, 0.5, and 1 meter. This analysis showed shifts due to tide correction errors, unusual currents, storm surges, etc. There were no significant shifts due to tides.