

The HDAPS data acquisition computer logged, in real-time, heave data from a Heave, Roll, and Pitch sensor (HIPPY, s/n 19109-C). Heave correctors were applied in post-processing.

The tidal datum for this project was Mean Lower Low Water. The operating tide station at Breakwater Harbor (Lewes), Delaware (855-7380) served as direct control for datum determination. Mr. Larry Nieson, Atlantic Operations Group, N/OES213, confirmed the proper operation of the tide station during the survey. This station also served as the reference station for predicted tides. Time and height correctors for the project were as follows:

	<u>Time Correction</u>	<u>Height Ratio</u>
High Water:	-1 hr 00 min	x0.94
Low Water:	-1 hr 00 min	x0.94

Tidal data used during data acquisition were taken from table 2 of the East Coast of North and South America Tide Tables and were applied on-line to the digital data using HDAPS software. The tidal data, in digital form, were received on floppy disk from N/CG24, Hydrographic Surveys Branch. Request for smooth tides was submitted to Products and Services Branch, Datum Section, N/OES231 on May 28, 1993. APPROVED TIDES WERE APPLIED DURING OFFICE PROCESSING.

The tide station at Breakwater Harbor was leveled on March 8, 1993. The levels confirmed that the tide staff and marks were undisturbed.