

f. Tide Correctors

The tidal datum for this project is Mean Lower Low Water. The operating tide station at Newport, RI (845-2660) served as both direct control for datum determination and as the reference station for predicted tides. Data for predicted tides were provided on floppy disk before the start of the project. These data were obtained from Table 2 of the East Coast of North and South America Tide Predictions and applied to the digital tide data using HDAPS software. Tidal correctors were applied on-line using HDAPS predicted tide tables numbers.

Two sets of time and height correctors were supplied for this sheet. East of 71°20.0'W, times were to be direct and a x0.85 range ratio was to be applied to the predicted tides at Newport. West of 71°20.0'W, a +15 minute time correction and a x0.84 range ratio were to be applied. Instead of splitting the survey into two sheets to accomodate the difference in correctors, the values were averaged, and a +7 minute time correction and a x0.84 range ratio were applied to the predicted tides at Newport during data acquisition.

The subordinate stations for predicted tides were:

Number	Place	Position	Time Corrector	Height Ratio
845-0768	Sakonnet Point, RI	41°27.9'N 71°11.6'W	direct	x0.85
845-5083	Pt. Judith, RI	41°21.8'N 71°29.4'W	+15 min	x0.84

A request for smooth tides was mailed on November 13, 1995.

APPROVED TIDES AND ZONING WERE APPLIED DURING OFFICE PROCESSING.
The RUDE employed no unusual or unique methods or instruments to correct echo soundings.

All sounding correctors were applied to both the narrow (100 kHz) and wide (24 kHz) DSF-6000N beams. Zoning for this project is consistent with the Project Instructions.