

G.6 a) The tidal datum for this project is mean lower low water. The operating tide station at Newport, Rhode Island (845-2660) served as direct control for datum determination. This station also served as the reference station for predicted tides. Data for Newport tides were provided on floppy magnetic disk before the start of the project. *APPROVED TIDES WERE APPLIED DURING OFFICE PROCESSING*

b) The height and time correctors listed below were taken from Table 2 of the East Coast of North and South America Tide Predictions, and applied to the digital tide data using the HDAPS software:

NO.	PLACE	TIME		HEIGHT	
		High water	Low water	High water	Low water
1195	Block Island (Old Harbor)	-17 min	+12 min	* 0.83	* 0.86

Tidal correctors were applied on-line using the HDAPS predicted tide tables.

c) Zoning for this project is consistent with the project instructions.

**NOTE:** After all dive investigations where a least depth was determined using a pneumatic depth gauge, a detached position (DP) was taken by the ship after the divers had surfaced and cleared the buoy site. So the DP was taken between 15 and 45 minutes after the pneumatic depth was observed, and in many cases the tide corrector had changed in that time. Using the "Edit DP's" function (HDAPS Post Survey), the raw sounding was replaced with the pneumatic depth gauge reading, and all correctors other than tide (draft, sound velocity, heave) were set to zero. Thus the DP has the correct raw depth and position, but the time does not correspond to the dive time. The following is a list of all dives made during this survey for which the time of the detached position must be edited to reflect the time the pneumatic depth reading was taken:

DOY	DP Fix No	Time of DP (UTC)	Time of Pneumo Reading (UTC)
239	975	144025	142000
240	1057	144912	141700
*261	128 <del>4</del> 7	203417	201400

\* Tide correctors of time of DP and time of pneumofathometer reading are the same; -0.9 meters.

A request for smooth tides was mailed on October 2, 1991.