

TIDE CORRECTIONS

Predicted tides were used and applied to all sounding data. The predicted tides were calculated by using as reference Galveston, Texas. The following correctors were applied to the data from the Galveston, Texas gage in calculating the predicted tides:

<u>Time Correctors</u>		<u>Height Corrector</u>
High Water	Low Water	Range Ratio
-0 hr 45 min	-1 hr 15 min	x 1.20

The control station for datum determination for this survey is Bob Hall Pier, Corpus Christi, Texas.

The Field Tide Note is included in Separate B.

Meteorological Effects

When smooth plotting Central and NE sheets, differences were noted between soundings in the ship and launch overlap area. To determine if the differences were related to tides or to other sources, soundings in this area were manually recomputed using all available correctors.

Predicted tides, TRA (the sum of draft and settlement & squat values) and the appropriate velocity corrector were added to the depth data. To eliminate round off error, the resultant depth was hand plotted to the nearest tenth of a foot on a junction overlay. There is a separate overlay for each vessel. All six overlays are included with the other survey sheets.