

Tide Correctors

As specified in the SOW, predicted tides from Galveston Pleasure Pier 8771510 were used as preliminary tide values. Sheet I fell within three zones of the Galveston Pleasure Pier zonation. Zone 6 has a time corrector of -12 minutes with a range ratio of X1.3; Zone 7 has a time corrector of -24 minutes and a range ratio of X1.17; Zone 8 has a time corrector of -24 minutes and a range ratio of X1.13.

As specified in a memorandum to Andrew Armstrong from Michael Szabados (see Appendix F)* final verified tides from the Texas Coastal Ocean Observation Network (TCOON) Sabine Pass Offshore gauge 8771081 were used for final post-processing. The tide gauge is located at the following coordinates: 29°29.9'N, 93°38.4'W. Sheet I fell within three of the Sabine Pass Offshore tidal zones.

Tidal Zone	High Water Correction	Low Water Correction	Average Time Correction	Range Correction
G308	+ 6 mins.	-18 mins.	-6 mins.	x0.83
G309	-6 mins.	-12 mins.	-12 mins.	X0.91
G315	0 mins.	0 mins.	0 mins.	X1.00

The verified six-minute tide data from the Sabine Pass Offshore gauge was downloaded from the Oceanographic Products and Services Division (OPSD) Hydro Hot List web page (<http://www.opsd.nos.noaa.gov/hydro.html>). The tide information was applied to the data using the IP400 data processing software.

* Data filed with field records

The Sabine Pass Offshore gauge was down on October 1, 1998 (DN 274) during infill data collection performed on the M/V Geodetic Surveyor. Verified tides from the Galveston Pleasure Pier gauge and associated tidal zonation were used to process this data.

Investigation lines iv1-iv15, iv17-iv25, iv1001, iv1002, iv2002, and iv16A were collected with a -24 hour time difference. The time values associated with the edited data sets have been corrected. However, the raw data in the XTF format will still have the erroneous times.

Final Evaluation Report