



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : August 7, 2007

HYDROGRAPHIC BRANCH: Atlantic
HYDROGRAPHIC PROJECT: OPR-K354-NRT1-2006
HYDROGRAPHIC SHEET: H11635

LOCALITY: East Bend to Honey Island, Atchafalaya River, LA
TIME PERIOD: September 26 - 28, 2006

TIDE STATION USED: 876-4025 Stouts Pass, LA
Lat. 29° 44.7' N Long. 91° 13.8' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.247 meters

TIDE STATION USED: 876-4227 Amerada Pass, LAWMA, LA
Lat. 29° 26.9' N Long. 91° 20.3' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.460 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: WLA264, WLA265, WLA266, WLA267, WLA268 and WLA269

Refer to attachments for zoning information.

- Note 1:** Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).
- Note 2:** Use tide data from the appropriate station with applicable zoning correctors for each zone according to the order in which they are listed in the Tidezone corrector file (*.ZDF). For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available.
- Note 3:** Due to benchmark and sensor instability at 876-4227 Amerada Pass, LAWMA, LA water level error contribution to the overall survey budget may be an additional 0.040 meter uncertainty (95% confidence level) above the estimated normal water level error contribution of 0.280 meters (95% confidence level) for those zones referenced to this station during the time of the survey.

Fca 

CHIEF, PRODUCTS AND SERVICES DIVISION



Tide Requirements for OPR-K354-NRT1-2006
Atchafalaya Bay to Morgan City
MC/CM 09/27/2006

5.0. TIDES

5.1. Purpose: All tide requirements in these instructions are in direct support of hydrographic survey operations.

5.2 through 5.6. Refer to Standing Instructions.

5.7. Vertical Datums:

Refer to Standing Instructions.

5.7.1. The operating National Water Level Observation Network (NWLON) station at Galveston Pleasure Pier, TX (877-1510) will serve as datum control for the survey area. Therefore, it is critical that this station remain in operation during all periods of hydrography.

5.7.1.1. Water level data acquisition monitoring

Refer to Standing Instructions.

5.7.1.2. Water level station operation and maintenance

Refer to Standing Instructions.

5.7.1.3. No leveling is required at Galveston Pleasure Pier, TX (877-1510) by NOAA's NRT1 personnel.

5.8. Water Level Station Requirements: The operating water level stations at Stouts Pass, LA (876-4025), Tesoro Marine Terminal, LA (876-4044), and Lawma - Amerada Pass, LA (876-4227) will also provide water level reducers for this project, reiterating the importance of their operation during all periods of hydrography. See Sections 5.7.1.1. and 5.7.1.2. concerning responsibilities.

5.8.1. There are no subordinate water level stations required for this project.

5.8.1.2. This section is not applicable for this project.

5.8.1.3 Tide Component Error Estimation: The estimated tidal error contribution to the total survey error budget in the vicinity of Atchafalaya Bay and Morgan City is 0.13 meters, and includes the estimated gauge measurement error, tidal datum computation error, and tidal zoning error. It should be noted that the tidal error component can be significantly greater than stated if a substantial meteorological event or condition should occur during time of hydrography.