



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : November 4, 2013

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-K414-NRT4-2013
HYDROGRAPHIC SHEET: H12391

LOCALITY: Galveston Bay, Galveston, TX
TIME PERIOD: June 4, 2013 - October 28, 2013

TIDE STATION USED: Morgans Point, TX 8770613
Lat. 29°40.9' N Long. 94°59.1' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.377 meters

TIDE STATION USED: Eagle Pont, TX 8771013
Lat. 29°28.8' N Long. 94°55.1' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.325 meters

TIDE STATION USED: Galveston Bay Entrance, TX 8771341
Lat. 29°21.4' Long. 94°43.4'
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.473 meters

TIDE STATION USED: Galveston Pier 21, TX, 8771450
Lat. 29°18.6' Long. 94°47.6'
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.403 meters

TIDE STATION USED: Galveston Railroad Bridge, TX 8771486
Lat. 29°18.1' Long. 94°53.8'
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.355 meters

REMARKS: RECOMMENDED Grid

Please use the TCARI grids "K414NRT42013.tc" during the period between June 4 and October 28, 2013.

Note 1: Refer to attachments for grid information.

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).

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DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
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CHIEF, PRODUCTS AND SERVICES BRANCH

