

Experimental Probabilistic Tropical Cyclone Storm Surge and Tide above Datum

Part I - Mission Connection

- a. Product Description – The experimental Probabilistic Tropical Cyclone Storm Surge and Tide above Datum consists of two suites of graphics:
 - 1) Probability of storm surge and tide above datum – Series of graphics which show probabilities, in percent, of storm surge with tide exceeding 2 through 25 feet above North American Vertical Datum of 1988 (NAVD88), at 1 foot intervals.
 - 2) Exceedance height of storm surge and tide above datum – Series of graphics which show heights of storm surge with tide, in feet above NAVD88, which will be exceeded by a given percentage of storms. The suite of graphics range from 10 to 50 percent, at 10 percent intervals.
- b. Purpose – The graphics are intended to provide users with information which enhances their ability to make preparedness decisions specific to their own situations. The graphics originated from requests by users for additional tropical cyclone probabilistic information, and the National Research Council's Fair Weather Report encouraging probabilistic products.
- c. Audience – The emergency management community is the primary target audience. However, the graphics will also be widely used by other federal, state, and local government agencies; the media; maritime interest; and the general public.
- d. Presentation Format – Graphics are provided as a png file and Google map interface at: <http://www.nws.noaa.gov/mdl/psurge2.0/>. They can be seen by selecting "Above Datum" from the Datum drop down menu on the left hand side.

GRIB2 and ESRI shape files can also be downloaded from the website.

- e. Feedback Method – Feedback can be provided using the following web page:

<http://www.nws.noaa.gov/survey/nws-survey.php?code=phss>

Questions and comments may be addressed to:

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