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PNSWSH

Technical Implementation Notice 14-11 Corrected
National Weather Service Headquarters Washington DC
750 AM EDT Thu Jul 3 2014

To: Subscribers:
-Family of Services
-NOAA Weather Wire Service
-Emergency Managers Weather Information Network
-NOAAPORT
Other NWS Partners and NWS Employees

From: Mark Tew
Chief, Marine and Coastal Weather Services Branch

Subject: Corrected: Experimental Hurricane Inundation Surge Height Products will Transition to Operational and be Available over the Satellite Broadcast Network and NOAAPORT: Effective July 8, 2014

This notice was corrected to provide information as to where to download data from the National Digital Guidance Database.

This notice was amended to provide an effective date of July 8, 2014, and for the guidance being available 1 hour after the National Hurricane Center (NHC) nominal advisory time (i.e., 5 am, 11 am, 5 pm, 11 pm).

Effective July 8, 2014, the experimental Probabilistic Hurricane Inundation Surge Height (also known as P-Surge above ground level) guidance, which incorporates tide will become operational and be made available over the Satellite Broadcast Network (SBN) and NOAAPORT.

The Probabilistic Hurricane Inundation Surge Height guidance consists of two suites of products for the Gulf of Mexico and Atlantic coastal areas:

a) Probabilities, in percent, of inundation exceeding 0 through 20 feet above ground level, at 1 foot intervals (e.g., the probabilities in percent of inundation exceeding 0, 1, 2, ..., 20 feet)
b) Heights above ground level that are exceeded by specific probabilities ranging from 10 to 50 percent at 10 percent intervals

Each of the probabilistic products mentioned will be provided out to 78 hours as a cumulative probability, defined as the overall probability the event will occur at each grid cell from the start of the run until some specified time (e.g., 0-6 hours, 0-12, 0-18, etc.) and as an incremental probability, defined as

the probability the event will occur sometime during the specified forecast period (e.g., 0-6 hours, 6-12, 12-18, etc.) at each grid cell.

The products are based on an ensemble of Sea, Lake and Overland Surge from Hurricanes (SLOSH) model runs using the NHC official advisory and account for track, size, and intensity errors based on historic errors.

The products will be generated when hurricane watches and/or warnings are in effect for the Atlantic and Gulf Coasts of the continental United States and on a case-by-case basis for tropical storms.

The products will be available 1 hour after the NHC nominal advisory time (i.e., 5 am, 11 am, 5 pm, 11 pm EDT).

The products will be available over SBN and NOAAPORT in GRIB2 format. A complete list of WMO Headers can be found online at:

http://www.nws.noaa.gov/os/notification/mc/psurge_abvground.pdf

Graphical versions of the products will be posted online at:

http://www.nws.noaa.gov/mdl/psurge2.0/

http://www.nhc.noaa.gov

On NHC's webpage only the cumulative above ground level probability products from 0-78 hours, which will replace the current above datum products, will be available. There will likely be no timing component (e.g., 0-6 hours, 0-12, 0-18, etc.), however, this could change if resources become available.

ESRI shape files and KMZ formats will be available to download from the above websites. GRIB2 files will be available on the MDL website above.

Additionally, GRIB2 data will be available from the National Digital Guidance Database in the near future. The above ground level data will be available here when published:

http://weather.noaa.gov/pub/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.slosh/AR.conus/vd.AGL

For questions regarding this notice, please contact

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National Public Information Statements are online at:

http://www.weather.gov/os/notif.htm

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