

NOUS41 KWBC 031150 CCA  
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, Users and 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 one 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:

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).

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 the SBN and NOAAPort in gridded binary version 2 (GRIB2) format. A complete list of World Meteorological Organization (WMO) Headers can be found online at:

[http://www.nws.noaa.gov/os/notification/mc/psurge\\_abvground.pdf](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 shapefiles and KMZ formats will be available to download from the above websites. GRIB2 files will be available on the Meteorological Development Laboratory (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:

Arthur Taylor  
National Weather Service  
Meteorological Development Laboratory  
Silver Spring, MD  
Telephone: 301-713-1613, x 163  
Email: [arthur.taylor@noaa.gov](mailto:arthur.taylor@noaa.gov)

or

John Kuhn  
National Weather Service  
Marine and Coastal Weather Services Branch  
Silver Spring, MD  
Telephone: 301-713-1677, X 121  
Email: [john.f.kuhn@noaa.gov](mailto:john.f.kuhn@noaa.gov)

National Technical Implementation Notices are online at:

<https://www.weather.gov/notification/archive>

\$\$

NNNN