

NOUS41 KWBC 121455 AAA
PNSWSH

Technical Implementation Notice 13-43, Amended
National Weather Service Headquarters Washington DC
Relayed for the National Ocean Service
955 AM EST Thu Dec 12 2013

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From: Frank Aikman
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NOS Office of Coast Survey

Subject: Amended: Change to the delivery time of Extratropical
Surge and Tide Operational Forecast System for the
Atlantic and Gulf coasts (ESTOFS Atlantic) effective
December 12, 2013. ESTOFS Atlantic will be provided
over SBN and NOAAPORT effective February 18, 2014

This notice was amended to move the date of change up to
December 12, 2013, to avoid operational failures.
Effective December 12, 2014, beginning with the 1200 Coordinated
Universal Time (UTC) model cycle, the Extratropical Surge and
Tide Operational Forecast System for the Atlantic and Gulf
coasts (ESTOFS Atlantic) model output will be delivered 20
minutes earlier than the current delivery time. This change in
delivery time is a result of optimization of the model code.

Effective February 18, 2014, beginning with the 1200 Coordinated
Universal Time (UTC) cycle, ESTOFS Atlantic will be added to the
Satellite Broadcast Network (SBN) and NOAAPORT. These grids will
be disseminated in GRIB2 format.

For technical details about ESTOFS please see: Technical
Information Notice (TIN) 12-43:

<http://www.nws.noaa.gov/om/notification/tin12-43estofs.htm>

ESTOFS output will be reprojected from the ADvanced CIRCulation
(ADCIRC) native finite element grid to the 2.5 km National
Digital Forecast Database (NDFD) Continental United States grid
and the 1.25 km NDFD Puerto Rico grid.

GRIB2 files will be created for each hourly prediction
(astronomical tides), and sub-tidal water levels (the isolated
surge). GRIB2 files will be available 6.5 hours after the
synoptic time (00, 06, 12, 18 UTC.) The per cycle data volume

will be approximately 500 MB.

The WMO Headings for these products will be as follows:

T1: Data Format of GRIB2 - E
T2: Parameter code - C, E, or H
A1: Grid code - P for Puerto Rico or I for CONUS
A2: Forecast time interval- one of
 ABCDEFGHIJKLMNPNOPQRSTUVWXYZ
II: Layer or level: 88
CCCC: KWBM

For a complete listing of ESTOFS WMO Headings please refer to the following web page:

http://www.nco.ncep.noaa.gov/pmb/changes/estofswmo_headers.shtml

The effective date of this change is sooner than specified by NWS Policy (NWS Instruction 10-1805). The reduction of the normal advance lead time was approved because this change will restore stability to the ESTOFS modeling system.

For questions concerning the technical details of ESTOFS contact:

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For questions regarding the dataflow aspect of ESTOFS contact:

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National TINs are online at:

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

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