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PNSWSH

Technical Implementation Notice 16-32
National Weather Service Headquarters Washington DC
840 AM EDT Tue Oct 18 2016

To: Subscribers:
-NOAA Weather Wire Service
-Emergency Managers Weather Information Network
-NOAAPORT
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From: Tim McClung
Portfolio Manager
Office of Science and Technology Integration

Subject: Amended: Updates to Ensemble Kernel Density MOS
(EKDMOS) effective November 15, 2016

Amended to postpone the implementation date from Thursday,
November 3, 2016, to Tuesday, November 15, 2016.

Effective on or about Tuesday, November 15, 2016, beginning
with the 1200 Coordinated Universal Time (UTC) run, the
Meteorological Development Laboratory will implement V2.0 of
EKDMOS. Improvements made for V2.0 include:

- Updated MOS equations and spread-skill equations
- Added ~700 stations used when generating gridded products
- Updated terrain file for the CONUS that is consistent with other gridded MOS products and the Unrestricted Mesoscale Analysis (URMA)
- Expanded domain for Alaska, which matches the domain used by the National Blend of Models (NBM)
- Added gridded probabilistic guidance for the temperature suite of elements for the Hawaii and Puerto Rico domains

EKDMOS will be run at an earlier time with this implementation. Gridded guidance for the CONUS and Alaska will be available on the SBN approximately 60 minutes earlier than the current operational version:

- 00Z data available ~0730 UTC
- 12Z data available ~1930 UTC

Beginning approximately 1 month prior to the implementation date, users may find parallel data for download on NOAA's Operational Model Archive and Distribution System (NOMADS) at the following link:

<http://para.nomads.ncep.noaa.gov/pub/data/nccf/noaaport/ekd/>

Gridded guidance for Hawaii and Puerto Rico will be used as inputs into the NBM and will not be disseminated on the SBN at this time. GRIB2 files will be available for download in the EKDMOS downloads folder on the MDLNET ftp server (this server is not operationally supported):

<http://www.mdl.nws.noaa.gov/~downloads/ekd/>

Gridded images, text products and meteograms for all domains will be made available on the EKDMOS web page (this page is not operationally supported and guidance may not be current):

http://www.weather.gov/mdl/mos_ekdmos_home

For questions regarding this change to EKDMOS guidance, contact:

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Links to EKDMOS products and descriptions are online at:

http://www.weather.gov/mdl/mos_ekdmos_home

NWS national Technical Implementation Notices are online at:

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

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