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PNSWSH

Technical Implementation Notice 16-32 Amended  
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  
              Other NWS Partners, Users and Employees

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 Model Output Statistics (MOS) equations and spread-skill  
equations.
- Added ~700 stations used when generating gridded products.
- Updated terrain file for the contiguous U.S. (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 Satellite  
Broadcast Network (SBN) approximately 60 minutes earlier than the current  
operational version:

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

Beginning approximately one 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. Gridded

binary version two (GRIB2) files will be available for download in the EKDMOS downloads folder on the MDLNET file transfer protocol (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 webpage (this page is not operationally supported and guidance may not be current):

[http://www.weather.gov/mdl/mos\\_ekdmos\\_home](http://www.weather.gov/mdl/mos_ekdmos_home)

For questions regarding this change to EKDMOS guidance, contact:

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For questions related to the data flow, please contact:

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Links to EKDMOS products and descriptions are online at:

[http://www.weather.gov/mdl/mos\\_ekdmos\\_home](http://www.weather.gov/mdl/mos_ekdmos_home)

National Technical Implementation Notices are online at:

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

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