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PNSWSH

Technical Implementation Notice 15-51  
National Weather Service Headquarters Washington DC  
750 AM EDT Fri Oct 30 2015

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From: Tim McClung  
Portfolio Manager  
Office of Science and Technology Integration

Subject: Changes to Ensemble Kernel Density MOS (EKDMOS)  
effective December 15, 2015

Effective on or about Tuesday, December 15, 2015, beginning with the 1200 Coordinated Universal Time (UTC) run, the NWS Meteorological Development Laboratory will make changes to the output mask used for Ensemble Kernel Density Model Output Statistics (EKDMOS).

This change will expand the output mask for the 2.5-km CONUS grid northward from its current National Digital Forecast Database (NDFD) extent to include most of the Northwest River Forecast Center basin and a buffer of 170 km elsewhere along the border with Canada; however the guidance will contain a cut-off at the northern extent of the 2.5-km CONUS grid.

The full northward expansion of the EKDMOS grid will not be disseminated until AWIPS systems are configured to display the larger grid, which is anticipated to occur early next year. Users will see a small increase in the GRIB2 file sizes in the full northward expansion of the 2.5-km CONUS grid (generally less than 10 percent) and in the cut-off grids (generally less than 5 percent).

Users can download the cut-off EKDMOS guidance for the expanded domain from the NWS ftp server at:

<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.expr/DF.gr2/DC.ndgd/GT.mosekd/AR.conus>

Users can view Gridded EKDMOS guidance for the expanded CONUS domain at the following link (this page is not operationally supported and guidance may not be current):

[http://www.mdl.nws.noaa.gov/~naefs\\_ekdmos/CONUSekdimgs\\_v1.1.php](http://www.mdl.nws.noaa.gov/~naefs_ekdmos/CONUSekdimgs_v1.1.php)

or download the parallel data here:

<http://para.nomads.ncep.noaa.gov/>

For questions regarding this change to EKDMOS guidance, contact:

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Links to EKDMOS products and descriptions are online at:

[http://www.mdl.nws.noaa.gov/~naefs\\_ekdmoss](http://www.mdl.nws.noaa.gov/~naefs_ekdmoss)

NWS national Technical Implementation Notices are online at:

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

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