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PNSWSH

Public Information Statement, Comment Request
National Weather Service Headquarters Washington DC
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From: Matthew Peroutka
Chief, Product Generation Branch
Office of Science and Technology

Subject: Soliciting Public Comments Through March 31, 2012,
for Experimental Ensemble Kernel Density Model
Output Statistics (EKDMOS) Products

The NWS is soliciting public comments by March 31, 2012, on experimental EKDMOS guidance products for the CONUS and Alaska. These products are available in GRIB2 format. EKDMOS uses output from the North American Ensemble Forecast System (NAEFS) to produce probability distributions of sensible weather elements. The EKDMOS CONUS (Alaska) products contain guidance on a 2.5 km Lambert Conformal (3.0 km Polar Stereographic) grid. These grids cover the same expanse as the corresponding National Digital Forecast Database (NDFD) grids. Grids will be generated twice daily, based on the 0000 and 1200 UTC runs of the NAEFS. To express the probability distribution, grids will be produced for the ensemble mean and for these 11 non-exceedance probability levels:

.05, .10, .20, .30, .40, .50, .60, .70, .80, .90, and .95

The following surface weather elements and time projections will be available initially:

- 2-m temperature guidance every 3 hours for days 1 to 8, then every 6 hours for days 8 to 10 for the ensemble mean and 11 non-exceedance probability levels.
- 2-m dewpoint guidance every 3 hours for days 1 to 8, then every 6 hours for days 8 to 10 for the ensemble mean and 11 non-exceedance probability levels.
- Daytime maximum temperature guidance for days 1 to 14 for the ensemble mean and 11 non-exceedance probability levels.
- Nighttime minimum temperature guidance for days 1 to 14 for the ensemble mean and 11 non-exceedance probability levels.

Additional weather elements will be added in the future.

A web page outlining the EKDMOS products and the NWS server directory and file structure can be found online at:

http://www.mdl.nws.noaa.gov/~naefs_ekdmoss

Users are encouraged to provide feedback on these experimental products by using the brief survey and comment form available online at:

<http://www.nws.noaa.gov/survey/nws-survey.php?code=ekd-mos>

If you have technical comments or questions, please contact:

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National Public Information Statements are online at:

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

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