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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 contiguous U.S. (CONUS) and Alaska. These products are available in gridded binary version two (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 Coordinated Universal Time (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 three hours for days 1 to 8, then every six hours for days 8 to 10 for the ensemble mean and 11 non-exceedance probability levels.
- 2-m dewpoint guidance every three hours for days 1 to 8, then every six 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 webpage outlining the EKDMOS products and the NWS server directory and file structure can be found online at:

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

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:

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

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