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Technical Implementation Notice 10-45 Amended
National Weather Service Headquarters Washington DC
810 AM EST Tue Nov 16 2010

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From: Tim McClung
Science Plans Branch Chief
Office of Science and Technology

Subject: Amended: Addition of GEFS/NAEFS Products for Alaska:
Rescheduled for December 7, 2010

NCEP is rescheduling this implementation from November 30 to December 7 to allow more time for evaluation. The original message is below.

Effective December 7, 2010, beginning with the 1200 Coordinated Universal Time (UTC) run, the National Centers for Environmental Prediction (NCEP) will generate downscaled probabilistic products for Alaska from the Global Ensemble Forecast System (GEFS) and the North American Ensemble Forecast System (NAEFS). There will be no change to the GEFS and NAEFS models. This implementation is only to create new output products for Alaska. These new products will be disseminated on the NCEP server via http and ftp.

The following describes the new Alaskan products:

1. Geographic coverage is the 6km NDFD grid (grid 198), which covers all of Alaska
2. Products will be in GRIB2 format
3. Output produced four times per day (0000, 0600, 1200, and 1800 UTC)
4. Output available every 6 hours out to 384 hours
5. Output available for eight variables:
   surface pressure
   2-meter temperature
   2-meter maximum temperature
   2-meter minimum temperature
   10-meter u-wind
   10-meter v-wind
   10-meter wind speed
   10-meter wind direction
6. Ensemble products for each of the 8 variables listed above

include:
10% probability forecast (filename ge10pt)
50% probability forecast (filename ge50pt)
90% probability forecast (filename ge90pt)
Ensemble mean forecast (filename geavg)
Ensemble mode forecast (filename gemode)
Ensemble spread forecast (filename gesprd)

Test data is currently available at:

ftp://ftp.emc.ncep.noaa.gov/gc_wmb/yzhu/alaska_q4fy2010/

Specific information regarding the GEFS/NAEFS model and associated products can be found at:

http://www.emc.ncep.noaa.gov/gmb/yzhu/html/imp/201004_imp.html

A consistent parallel feed of data will become available on the NCEP server once the model is running in parallel on the NCEP Central Computing System by mid-October. The parallel data will be available via the following URLs:

http://www.ftp.ncep.noaa.gov/data/nccf/com/gens/para
ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/gens/para

The products will be available in the ndgd_gb2 directories under gefs and naefs. The files will have alaska in the filename. After the implementation, the operational products will be available on the same server but the URLs above will end in "prod" rather than "para."

NCEP encourages all users to ensure their decoders are flexible and are able to adequately handle changes in content order, changes in the scaling factor component within the product definition section (PDS) of the GRIB files, and also any volume changes which may be forthcoming. These elements may change with future NCEP model implementations. NCEP will make every attempt to alert users to these changes prior to any implementations.

For questions regarding these changes, please contact:

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For questions regarding the dataflow aspects of these data Sets, please contact:

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NWS National Technical Implementation Notices are online at:

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

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