```
NOUS41 KWBC 161310 AAA
PNSWSH

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

To:       Subscribers:
          -Family of Services
          -NOAA Weather Wire Service
          -Emergency Managers Weather Information Network
          -NOAAPort
          Other NWS Partners, Users and Employees

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

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

Amended to reschedule this implementation from November 30 to December 7,
2010 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:

- Geographic coverage is the 6km National Digital Forecast Database (NDFD)
grid (grid 198), which covers all of Alaska.
- Products will be in gridded binary version 2 (GRIB2) format.
- Output produced four times per day (0000, 0600, 1200 and 1800 UTC).
- Output available every six hours out to 384 hours.
- 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

- Ensemble products for each of the eight 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 National Digital Guidance Database
(NDGD) 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:

Yuejian Zhu
NCEP, Global Modeling Branch
Camp Springs, MD
301-763-8000, X 7052
yuejian.zhu@noaa.gov

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

Rebecca Cosgrove
NCEP/NCO Dataflow Team
Camp Springs, MD
301-763-8000, X 7198
ncep.list.pmb-dataflow@noaa.gov

National Technical Implementation Notices are online at:

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

$$
NNNN