

NOUS41 KWBC DDHHMM AAC
PNSWSH

Technical Implementation Notice 11-18, Amended
National Weather Service Headquarters Washington DC
235 PM EDT Mon Sep 26 2011

To: Subscribers:
- Family of Services
- NOAA Weather Wire Service
- Emergency Managers Weather Information Network
- NOAAPORT
Other NWS partners, users and NWS employees

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

Subject: Amended: Addition of Gridded Localized Aviation Model
Output Statistics Program (GLMP) Products to NOAAPORT:
Postponed until further notice

Amended to delay the implementation date until further notice due to the need to troubleshoot network issues detected following the NOAAPORT/Satellite Broadcast Network (SBN) expansion and also to upgrade hardware storage and routing systems at the NWS Telecommunication Gateway (NWSTG).

Effective on Monday, August 22, 2011, beginning with the 1800 Coordinated Universal Time (UTC) run, NWS changed the experimental GLMP products for the contiguous U.S. (CONUS). The following changes to the experimental data occurred:

1. Products include WMO headers in anticipation of the transition to operations
2. Products are encoded with binary scaling to produce smaller files
3. Special value to designate "unlimited ceiling height or ceiling height" > 12,000 feet changed from the current value of -1 to the new value of -100

Effective on a date yet to be determined, NWS will transition the experimental GLMP products to operational status, at which time the products will be disseminated on the SBN, NOAAPORT, and will be available in the operational National Digital Guidance Database (NDGD).

The Gridded LAMP products contain guidance on a 2.5 km Lambert Conformal grid covering the same expanse as the National Digital Forecast Database (NDFD) CONUS grid. Grids are generated hourly consisting of gridded forecasts for projections of 1 to 25 hours in advance as well as gridded observations for the initial time of the Gridded LAMP cycle. Grids will be available for the

following elements with others to be added later:

- 2-meter temperature observations and the associated error estimations
- 2-meter dewpoint temperature observations and the associated error estimations
- Ceiling height observations
- Visibility observations
- 2-meter temperature forecast guidance
- 2-meter dewpoint temperature forecast guidance
- Ceiling height forecast guidance
- Visibility forecast guidance

The products are available in GRIB2 format and are currently available in the experimental NDGD. They are available on the NWS server at:

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

or

<http://weather.noaa.gov/pub/SL.us008001/ST.expr/DF.gr2/DC.ndgd/GT.lmpgfs/AR.conus>

Beginning on a date yet to be determined, the products will be available in GRIB2 format in the operational NDGD, and will no longer be available in the experimental NDGD. They will be available on the NWS server at:

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

or

<http://weather.noaa.gov/pub/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.glmp/AR.conus>

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

<http://www.nws.noaa.gov/mdl/gfslamp/docs/glmpinfo.php>

The new communication identifiers for the GRIB2 products are shown below in Tables 1 and 2. A complete list of GLMP WMO headings is available at

<http://www.nws.noaa.gov/mdl/gfslamp/docs/glmpheaders.pdf>

Table 1: Communication identifiers for the GLMP gridded observation products in GRIB2 format. Listed below are representations of the WMO headings. Here xx represents the valid UTC hour (00-23).

WMO HEADING	ELEMENT
LAUxx KMDL	2-meter gridded temperature observations
LAUBxx KMDL	2-meter gridded temperature observation

error estimations
LBUAxx KMDL 2-meter gridded dewpoint temperature
observations
LBUBxx KMDL 2-meter gridded dewpoint temperature
observation error estimations
LCUAxx KMDL Gridded ceiling height observations
LDUAxx KMDL Gridded visibility gridded observations

Table 2: Communication identifiers for the GLMP gridded forecast products in GRIB2 format. Listed below are representations of the WMO headings: xx represents the forecast projection (01-25).

WMO HEADING ELEMENT

LKUAxx KMDL Gridded 2-meter temperature forecasts
LLUAXx KMDL Gridded 2-meter dewpoint temperature forecasts
LMUAxx KMDL Gridded ceiling height forecasts
LNUAxx KMDL Gridded visibility forecasts

If you have technical comments or questions, please contact:

Judy Ghirardelli
National Weather Service
Meteorological Development Laboratory
Judy.Ghirardelli@noaa.gov
301-713-0056 x194

Links to the LAMP products and descriptions can found at:

<http://www.nws.noaa.gov/mdl/gfslamp/gfslamp.shtml>

National Public Information Statements are online at:

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

\$\$
NNNN