

NOUS41 KWBC 201110
PNSWSH

Technical Implementation Notice 11-18
National Weather Service Headquarters Washington DC
710 AM EDT Fri May 20 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: Change to Experimental Gridded Localized Aviation
Model Output Statistics Program (LAMP) Products and
Transition to Operations Effective June 21, 2011

Effective Tuesday, June 21, 2011, beginning with the 1200
Coordinated Universal Time (UTC) run, NWS will change the
experimental Gridded LAMP (GLMP) products for CONUS. The
following changes to the experimental data will occur:

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

Effective Tuesday, September 27, 2011, beginning with the 1200
Coordinated Universal Time (UTC) run, NWS will transition the
experimental GLMP products to operational status, at which time
the products will be disseminated on the Satellite Broadcast
Network (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 September 27, 2011, 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. xx represents the valid UTC hour (00-23).

WMO HEADING	ELEMENT
-----	-----
LAUAxx 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