

NOUS41 KWBC 261835 AAD
PNSWSH

Technical Implementation Notice 11-18, Amended
National Weather Service Headquarters Washington DC
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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:
Effective Monday, December 17, 2012

Amended to reschedule the addition of products that had been
delayed and to announce the addition of super headers within the
GLMP forecast grids.

Effective Monday, December 17, 2012, beginning with the 1800
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 SBN, NOAAPORT, and will
be available in the operational National Digital Guidance
Database (NDGD).

On August 22, 2011, NWS changed the experimental GLMP products
for the contiguous United States (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

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>

Effective on Monday, December 17, 2012, beginning with the 1800 Coordinated Universal Time (UTC) run, 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.glm/AR.conus>

or

<http://weather.noaa.gov/pub/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.glm/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/glmppinfo.php>

The new communication identifiers for the GRIB2 products are shown below in Tables 1 and 2. The GRIB2 files for the GLMP gridded observation products will continue to contain WMO headers. The GRIB2 files for the GLMP gridded forecast products will continue to contain WMO headers, but will also contain super headers. A complete list of GLMP WMO headings is available at

<http://www.nws.noaa.gov/mdl/gfslamp/docs/glmppheaders.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
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 SUPER HEADER	WMO HEADING	ELEMENT
LKUZ98 KMDL	LKUAxx KMDL	Gridded 2-meter temperature forecasts
LLUZ98 KMDL	LLUAxx KMDL	Gridded 2-meter dewpoint temperature forecasts
LMUZ98 KMDL	LMUAxx KMDL	Gridded ceiling height forecasts
LNUZ98 KMDL	LNUAxx KMDL	Gridded visibility forecasts

If you have technical comments or questions, please contact:

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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>

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