

NOUS41 KWBC 152115 AAD
PNSWSH

Technical Implementation Notice 11-18 Amended
National Weather Service Headquarters Washington DC
415 PM EST Thu Nov 15 2012

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 -NOAA Weather Wire Service
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 -NOAAPort
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From: Tim McClung
 Chief, Science Plans Branch
 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 Satellite Broadcast Network (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:

- Products include World Meteorological Organization (WMO) headers in
anticipation of the transition to operations.
- Products are encoded with binary scaling to produce smaller files.
- 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 gridded binary version 2 (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.glmf/AR.conus>

or:

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

A webpage 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/glmfinfo.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/glmfheaders.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
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LAUxxx 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 Technical Implementation Notices are online at:

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

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