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PNSWSH

Technical Implementation Notice 11-18 AAB  
National Weather Service Headquarters Washington DC  
815 AM EDT Mon Aug 15 2011

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- 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: Change to Experimental Gridded Localized  
Aviation Model Output Statistics Program (LAMP)  
Products: Effective August 23, 2011

Amended to announce the implementation date for changing the  
experimental Gridded LAMP (GLMP) products for CONUS.

Effective on Tuesday, August 23, 2011, beginning with the 1200  
Coordinated Universal Time (UTC) run, NWS will change the  
experimental 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.Impgfs/AR.conus>  
 or  
<http://weather.noaa.gov/pub/SL.us008001/ST.expr/DF.gr2/DC.ndgd/GT.Impgfs/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.gtmp/AR.conus>  
 or  
<http://weather.noaa.gov/pub/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.gtmp/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/gtmpinfo.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/gtmpheaders.pdf>

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

WMO HEADING	ELEMENT
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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  
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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:

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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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