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PNSWSH

Technical Implementation Notice 11-18  
National Weather Service Headquarters Washington DC  
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From: Tim McClung  
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Office of Science and Technology

Subject: Amended: Change to Experimental Gridded Localized  
Aviation Model Output Statistics Program (LAMP)  
Products: Effective Date Postponed

Amended to postpone the implementation for changing the experimental Gridded LAMP (GLMP) products for CONUS. A new implementation date will be announced once it has been determined. The date to transition the experimental GLMP products to operational status, scheduled for September 27, 2011, is unchanged.

Effective on a date to be determined, 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.1mpgfs/AR.conus>  
or  
<http://weather.noaa.gov/pub/SL.us008001/ST.expr/DF.gr2/DC.ndgd/GT.1mpgfs/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.gimp/AR.conus>  
or  
<http://weather.noaa.gov/pub/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.gimp/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
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 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  
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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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