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Technical Implementation Notice 15-52 Amended
National Weather Service Headquarters Washington DC
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From: Tim McClung, Portfolio Manager
 Office of Science and Technology Integration

Subject: Amended: Changes to 2.5-km GFS-based Gridded MOS Guidance for the
CONUS: Effective January 6, 2016

Amended to change the implementation date from Tuesday, December 15, 2015
to Wednesday, January 6, 2016.

On or about Wednesday, January 6, 2016, beginning with the 1200
Coordinated Universal Time (UTC) model run, the NWS Meteorological
Development Laboratory (MDL) will implement a minor change to the 2.5-km
Global Forecast System (GFS)-based Gridded MOS guidance over the
continental U.S. (CONUS). During a previous MOS upgrade in January 2015,
a bug was introduced which caused all mesonet stations to drop out of the
analysis for temperature and wind elements. This bug resulted in a
noticeable degradation of the Gridded MOS guidance especially in areas of
terrain over the western U.S.

This update will reincorporate between 450-600 mesonet stations (depending
on season) into the Gridded MOS analysis dropped in the January upgrade,
resulting in improved terrain detail and overall improved quality of the
guidance. Additional mesonet stations will be introduced into the
analysis in a future upgrade after retuning efforts are completed.

Beginning approximately one month prior to the implementation date, users
may find parallel data for download on NOAA's Parallel Operational Model
Archive and Distribution System (NOMADS) at the following link:

<http://para.nomads.ncep.noaa.gov/pub/data/nccf/com/gfs/para>

For questions regarding the changes to GFS-based Gridded MOS guidance for
the CONUS, please contact:

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For questions regarding the data flow, please contact:

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A webpage outlining the gridded MOS guidance can be found at:

<http://www.nws.noaa.gov/mdl/synop/gmos.php>

Links to MOS products and descriptions are online at:

<http://www.nws.noaa.gov/mdl/synop>

National Technical Implementation Notices are online at:

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

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