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PNSWSH

Technical Implementation Notice 13-20  
National Weather Service Headquarters Washington DC  
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From: Tim McClung  
Science Plans Branch Chief  
Office of Science and Technology

Subject: Addition of Mean Total Sky Cover to 1200 UTC  
Extended-Range GFS MOS Text and BUFR Messages on or  
about October 15, 2013

On or about Tuesday, October 15, 2013, beginning with the 1200 Coordinated Universal Time (UTC) model run, the NWS Meteorological Development Laboratory (MDL) will add mean total sky cover to the 1200 UTC extended-range Global Forecast System (GFS)-based Model Output Statistics (MOS) text (MEX) messages. At present, mean total sky cover is available in the extended-range message only for the 0000 UTC cycle.

This change will slightly alter the format of the 1200 UTC MEX message because a line for total sky cover will be added to the existing bulletin. After the change, the format of the 1200 UTC MEX message will be identical to that of the 0000 UTC message. The communication identifiers for all products affected by this change are listed in Tables 1 and 2 below.

Table 1: Communication identifiers for the GFS-based extended-range MOS public text products affected by the change

WMO HEADING	AWIPS ID
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FEPA20 KWNO	MEXPAO
FEUS21 KWNO	MEXNE1
FEUS22 KWNO	MEXSE1
FEUS23 KWNO	MEXNC1
FEUS24 KWNO	MEXSC1
FEUS25 KWNO	MEXRM1
FEUS26 KWNO	MEXWC0
FEAK37 KWNO	MEXAJK
FEAK38 KWNO	MEXAFC
FEAK39 KWNO	MEXAFG

Table 2. Communication identifiers for the extended-range GFS-based MOS BUFR products affected by the change

WMO HEADING (6-84 H)	WMO HEADING (90-192 H)	REGION
JSMT60 KWNO	JSMT70 KWNO	PACIFIC
JSMT61 KWNO	JSMT71 KWNO	NORTHEAST CONUS
JSMT62 KWNO	JSMT72 KWNO	SOUTHEAST CONUS
JSMT63 KWNO	JSMT73 KWNO	NORTH CENTRAL CONUS
JSMT64 KWNO	JSMT74 KWNO	SOUTH CENTRAL CONUS
JSMT65 KWNO	JSMT75 KWNO	ROCKY MOUNTAIN CONUS
JSMT66 KWNO	JSMT76 KWNO	WEST COAST CONUS
JSMT67 KWNO	JSMT77 KWNO	SOUTHEAST ALASKA (JUNEAU)
JSMT68 KWNO	JSMT78 KWNO	CENTRAL ALASKA (ANCHORAGE)
JSMT69 KWNO	JSMT79 KWNO	NORTHERN ALASKA (FAIRBANKS)

For questions regarding the addition of total sky cover to the 1200 UTC MEX bulletin please contact:

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Kathryn.Gilbert@noaa.gov

An example of a 1200 UTC MEX message that is populated with total sky cover can be found at:

[http://www.nws.noaa.gov/mdl/synop/mexsky\\_add12utc.php](http://www.nws.noaa.gov/mdl/synop/mexsky_add12utc.php)

Links to the MOS products and descriptions are online at:

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

NWS national TINs are online at:

<http://www.weather.gov/os/notif.htm>

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