

NOUS41 KWBC 111810  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 10-04  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
110 PM EST MON JAN 11 2010

TO: SUBSCRIBERS:  
-FAMILY OF SERVICES  
-NOAA WEATHER WIRE SERVICE  
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK  
-NOAAPORT  
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: TIM MCCLUNG  
CHIEF...SCIENCE PLANS BRANCH CHIEF  
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: ADDITION OF NEW QPF AND SNOW ELEMENTS TO THE GFS-BASED GRIDDED  
MOS GUIDANCE IN ALASKA AND ADDITION OF EXTENDED-RANGE SNOWFALL IN THE  
CONUS: EFFECTIVE MARCH 30 2010

EFFECTIVE MARCH 30 2010...BEGINNING WITH THE 1200 COORDINATED UNIVERSAL  
TIME /UTC/ RUN...NWS WILL PRODUCE ADDITIONAL GLOBAL FORECAST SYSTEM /GFS/-  
BASED GRIDDED MODEL OUTPUT STATISTICS /MOS/ GUIDANCE FOR THE CONTIGUOUS  
U.S. /CONUS/ AND ALASKA AND DISSEMINATE IT ON THE SATELLITE BROADCAST  
NETWORK /SBN/...NOAAPORT. THESE GUIDANCE PRODUCTS WILL BE IN GRIDDED  
BINARY VERSION TWO /GRIB2/ FORMAT. THE NEW COMMUNICATION IDENTIFIERS FOR  
THESE PRODUCTS ARE SHOWN IN TABLE 1 BELOW.

THE GRIDDED MOS PRODUCTS OVER ALASKA WILL CONTAIN GUIDANCE ON A ROUGHLY  
THREE KM POLAR STEREOGRAPHIC GRID COVERING THE SAME EXPANSE AS THE  
NATIONAL DIGITAL FORECAST DATABASE /NDFD/ ALASKA GRID. THE GRIDDED MOS  
PRODUCTS OVER THE CONUS WILL CONTAIN GUIDANCE ON A ROUGHLY FIVE KM LAMBERT  
CONFORMAL GRID. THESE ADDITIONAL GRIDS WILL BE GENERATED FROM THE 0000  
AND 1200 UTC MODEL RUNS OUT TO PROJECTIONS OF 156 HOURS IN ADVANCE.

GUIDANCE WILL BE MADE AVAILABLE FOR THE FOLLOWING ADDITIONAL ELEMENTS OVER  
ALASKA:

24-HOUR SNOWFALL  
QUANTITATIVE PRECIPITATION FORECAST /QPF/ /6- AND 12-HOUR/

GUIDANCE WILL BE MADE AVAILABLE FOR THE FOLLOWING ADDITIONAL ELEMENT OVER  
THE CONUS:

24-HOUR SNOWFALL FOR EXTENDED-RANGE PROJECTIONS FROM 1200 UTC MODEL RUNS  
AND ONE ADDITIONAL EXTENDED-RANGE PROJECTION FROM THE 0000 UTC MODEL RUN.

TABLE 1: COMMUNICATION IDENTIFIERS FOR THE GFS-BASED GRIDDED MOS GRIB2 PRODUCTS SCHEDULED TO BE ADDED TO THE SBN. EACH GRIB2 PRODUCT HAS A UNIQUE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADING. LISTED BELOW ARE REPRESENTATIONS OF THE WMO HEADINGS. A COMPLETE LIST OF GRIDDED MOS WMO HEADINGS IS AVAILABLE AT /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/GMOS/GMOSHEADERS.PDF](http://www.nws.noaa.gov/mdl/synop/gmos/gmosheaders.pdf)

WMO HEADING	ELEMENT
-----	-----
LIRXXX KWBQ	6-HOUR QPF /ALASKA/
LVRXXX KWBQ	12-HOUR QPF /ALASKA/
LSRXXX KWBQ	24-HOUR SNOWFALL /ALASKA/
LSUXXX KWBQ	24-HOUR SNOWFALL AMOUNT /CONUS/

FOR QUESTIONS REGARDING THESE GFS MOS GUIDANCE PRODUCTS...PLEASE CONTACT:

KATHRYN GILBERT  
MDL/SILVER SPRING MARYLAND  
301-713-0023 EXT. 130  
[KATHRYN.GILBERT@NOAA.GOV](mailto:KATHRYN.GILBERT@NOAA.GOV)

LINKS TO THE GRIDDED MOS PRODUCTS...ALONG WITH DESCRIPTIONS...CAN BE FOUND AT /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/GMOS.PHP](http://www.nws.noaa.gov/mdl/synop/gmos.php)

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

\$\$  
NNNN