

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

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