

NOUS41 KWBC 111410
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
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 MOS GUIDANCE FOR THE
CONUS AND ALASKA AND DISSEMINATE IT ON THE SATELLITE BROADCAST
NETWORK /SBN/...NOAAPORT. THESE GUIDANCE PRODUCTS WILL BE IN
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 3 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 5 KM LAMBERT CONFORMAL GRID.
THESE ADDITIONAL GRIDS WILL BE GENERATED FROM THE 0000 AND
1200 UNIVERSAL COORDINATED TIME /UTC/ MODEL RUNS OUT TO
PROJECTIONS OF 156 HOURS IN ADVANCE.

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

24-HR SNOWFALL
QUANTITATIVE PRECIPITATION /6- AND 12-HR/

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

24-HR 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 WMO HEADING. LISTED BELOW ARE REPRESENTATIONS OF THE WMO HEADINGS. A COMPLETE LIST OF GRIDDED MOS WMO HEADINGS IS AVAILABLE AT /USE LOWERCASE/:

[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-HR QPF (ALASKA)
LVRXXX KWBQ 12-HR QPF (ALASKA)
LSRXXX KWBQ 24-HR SNOWFALL (ALASKA)
LSUXXX KWBQ 24-HR 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 LOWERCASE/:

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

NWS NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT
/USE LOWERCASE/:

[HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM](http://www.weather.gov/os/notif.htm)

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