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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 10-27...AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1240 AM EDT TUE JUL 13 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: AMENDED: ADDITION OF GFS-BASED GRIDDED MOS GUIDANCE
FOR HAWAII POSTPONED TO NOVEMBER 2 2010

AMENDED TO POSTPONE EFFECTIVE DATE FOR ADDITION OF GFS-BASED
GRIDDED MOS GUIDANCE FOR HAWAII FROM SEPTEMBER 28 2010 TO
NOVEMBER 2 2010. IMPLEMENTATION WAS NOT POSSIBLE ON THE ORIGINAL
DATE BASED ON NCEP CENTRAL OPERATIONS RESOURCE AVAILABILITY.

EFFECTIVE TUESDAY NOVEMBER 2 2010...THE NWS WILL PRODUCE NEW
GLOBAL FORECAST SYSTEM /GFS/ -BASED GRIDDED MOS GUIDANCE FOR
HAWAII AND DISSEMINATE IT ON THE SATELLITE BROADCAST NETWORK
/SBN/...NOAAPORT AND THE NWS FTP SERVER. 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 WILL CONTAIN GUIDANCE ON A 2.5 KM
MERCATOR GRID COVERING THE SAME EXPANSE AS THE NATIONAL DIGITAL
FORECAST DATABASE /NDFD/ HAWAII GRID. GRIDS WILL BE GENERATED
FROM THE 0000 AND 1200 UNIVERSAL COORDINATED TIME /UTC/ MODEL
RUNS AT PROJECTIONS OF 1 TO 7 DAYS IN ADVANCE. GUIDANCE WILL
INITIALLY BE AVAILABLE FOR THE FOLLOWING ELEMENTS WITH OTHERS TO
BE ADDED AT A LATER DATE:

DAYTIME MAXIMUM AND NIGHTTIME MINIMUM TEMPERATURE
2-METER TEMPERATURE
2-METER DEWPOINT TEMPERATURE
RELATIVE HUMIDITY
WIND DIRECTION
WIND SPEED
WIND GUSTS
PROBABILITY OF PRECIPITATION /6-H AND 12-H/

A WEB PAGE PROVIDING MORE INFORMATION REGARDING GRID
SPECIFICATIONS... GRIB2 ENCODING AND ELEMENTS FOR WHICH GUIDANCE
IS AVAILABLE IS REFERENCED BELOW.

THE GRIB2 PRODUCTS WILL BE PROVIDED AS PART OF THE NATIONAL DIGITAL GUIDANCE DATABASE /NDGD/. THEY WILL INITIALLY BE AVAILABLE ON THE NWS FTP SERVER AT /USE LOWERCASE/:

FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.EXPR/DF.GR2/DC.NDGD/GT.M OSGFS/AR.HAWAII

TABLE 1: COMMUNICATION IDENTIFIERS FOR THE GFS-BASED GRIDDED MOS GRIB2 PRODUCTS FOR HAWAII

WMO HEADING	ELEMENT
LBSXXX KWBQ	WIND DIRECTION
LCSXXX KWBQ	WIND SPEED
LDSXXX KWBQ	12-HR PROBABILITY OF PRECIPITATION
LESXXX KWBQ	2-METER TEMPERATURE
LFSXXX KWBQ	2-METER DEW POINT TEMPERATURE
LGSXXX KWBQ	DAYTIME MAXIMUM TEMPERATURE
LHSXXX KWBQ	NIGHTTIME MINIMUM TEMPERATURE
LRXXXX KWBQ	RELATIVE HUMIDITY
LUSXXX KWBQ	6-HR PROBABILITY OF PRECIPITATION
LWSXXX KWBQ	WIND GUSTS

EACH GRIB2 PRODUCT HAS A UNIQUE WMO HEADER. THE TABLE ABOVE LISTS REPRESENTATIONS OF THE WMO HEADERS. A COMPLETE LIST OF GRIDDED MOS WMO HEADERS IS AVAILABLE AT:

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

A WEB PAGE OUTLINING THE GRIDDED MOS GUIDANCE AND THE FTP SERVER STRUCTURE CAN BE FOUND ONLINE AT /USE LOWERCASE/:

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

FOR QUESTIONS REGARDING THE NEW GRIDDED MOS GUIDANCE FOR HAWAII PLEASE CONTACT:

JOSEPH MALONEY
MDL/SILVER SPRING MARYLAND
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LINKS TO THE MOS PRODUCTS...ALONG WITH DESCRIPTIONS...CAN BE FOUND AT /USE LOWERCASE/:

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

NWS NATIONAL TINS ARE ONLINE AT /USE LOWERCASE/:

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

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