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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-82 AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
845 AM EST MON FEB 25 2008

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

FROM: JASON TUELL
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY /OST/

SUBJECT: AMENDED: ADDITION OF GFS-BASED GRIDDED MOS GUIDANCE FOR
ALASKA: EFFECTIVE DATE OF FEBRUARY 26 2008 POSTPONED

REFER TO: TECHNICAL IMPLEMENTATION NOTICE /TIN/ 07-82
TRANSMITTED ON OCTOBER 24 2007

AMENDED TO POSTPONE EFFECTIVE DATE FOR ADDING ALASKA GRIDDED MOS
GUIDANCE FROM FEBRUARY 26 2008 UNTIL FURTHER NOTICE. A FOLLOW-UP
TIN WILL BE ISSUED WHEN A NEW IMPLEMENTATION DATE IS SET.

THE NWS WILL PRODUCE NEW GLOBAL FORECAST SYSTEM /GFS/ -BASED
GRIDDED MOS GUIDANCE FOR ALASKA 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 ROUGHLY 3 KM
POLAR STEREOGRAPHIC GRID COVERING THE SAME EXPANSE AS THE
NATIONAL DIGITAL FORECAST DATABASE /NDFD/ ALASKA 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 SPOT TEMPERATURE
2-METER SPOT DEWPOINT TEMPERATURE
RELATIVE HUMIDITY
WIND SPEED
WIND DIRECTION
PROBABILITY OF PRECIPITATION /6 AND 12 HOUR/
PROBABILITY OF THUNDERSTORMS /3...6 AND 12 HOUR/

THE ALASKA PROBABILITY OF THUNDERSTORM GUIDANCE WILL ONLY BE

VALID DURING THE WARM SEASON FROM MAY 1 THROUGH SEPTEMBER 30.

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 LOWER CASE LETTERS EXCEPT FOR SL...ST...DF...DC...GT...AND AR/:

FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.EXPR/DF.GR2/DC.NDGD/GT.MO SGFS/AR.ALASKA

TABLE 1: COMMUNICATION IDENTIFIERS FOR THE GFS-BASED GRIDDED MOS GRIB2 PRODUCTS FOR ALASKA. EACH GRIB2 PRODUCT HAS A UNIQUE WMO HEADER. LISTED BELOW ARE REPRESENTATIONS OF THE WMO HEADERS. A COMPLETE LIST OF GRIDDED MOS WMO HEADERS IS AVAILABLE AT /USE LOWER CASE LETTERS/:

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

WMO HEADING	ELEMENT
LBRXXX KWBQ	WIND DIRECTION
LCRXXX KWBQ	WIND SPEED
LDRXXX KWBQ	12-HR PROBABILITY OF PRECIPITATION
LERXXX KWBQ	2-METER TEMPERATURE
LFRXXX KWBQ	2-METER DEW POINT TEMPERATURE
LGRXXX KWBQ	DAYTIME MAXIMUM TEMPERATURE
LHRXXX KWBQ	NIGHTTIME MINIMUM TEMPERATURE
LJRXXX KWBQ	6-HR PROBABILITY OF THUNDERSTORMS
LRRXXX KWBQ	RELATIVE HUMIDITY
LURXXX KWBQ	6-HR PROBABILITY OF PRECIPITATION
LXRXXX KWBQ	12-HR PROBABILITY OF THUNDERSTORMS
LYRXXX KWBQ	3-HR PROBABILITY OF THUNDERSTORMS

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

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

IF YOU HAVE QUESTIONS ABOUT THESE PRODUCTS OR THE MOS GUIDANCE... PLEASE CONTACT:

KATHRYN GILBERT
MDL/SILVER SPRING MARYLAND
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E-MAIL: KATHRYN.GILBERT@NOAA.GOV

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

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

NWS TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT
/USE LOWER CASE LETTERS/...

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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