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TECHNICAL IMPLEMENTATION NOTICE 07-82 AMENDED  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
1113 AM EDT FRI MAY 30 2008

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

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

SUBJECT: AMENDED: ADDITION OF GFS-BASED GRIDDED MOS GUIDANCE FOR ALASKA:  
EFFECTIVE JUNE 10 2008

AMENDED TO NOTIFY USERS OF THE NEW EFFECTIVE DATE FOR ADDING ALASKA  
GRIDDED MOS GUIDANCE. THE IMPLEMENTATION DATE IS SET FOR JUNE 10 2008.

EFFECTIVE TUESDAY JUNE 10 2008...THE NWS WILL PRODUCE NEW GLOBAL FORECAST  
SYSTEM /GFS/-BASED GRIDDED MODEL OUTPUT STATISTICS /MOS/ GUIDANCE FOR  
ALASKA AND DISSEMINATE IT ON THE SATELLITE BROADCAST NETWORK  
/SBN/...NOAAPORT AND THE NWS FILE TRANSFER PROTOCOL /FTP/ SERVER. 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 WILL CONTAIN GUIDANCE ON A ROUGHLY THREE 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 COORDINATED UNIVERSAL TIME /UTC/ MODEL RUNS AT PROJECTIONS  
OF ONE TO SEVEN 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
- 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 WEBPAGE 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 EXCEPT FOR SL...ST...DF...DC...GT AND AR/:

<FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.EXPR/DF.GR2/DC.NDGD/GT.MOSGFS/AR.A LASKA>

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

<HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/GMOS/GMOSHEADERS.PDF>

WMO HEADING	ELEMENT
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LBRXXX KWBQ	WIND DIRECTION
LCRXXX KWBQ	WIND SPEED
LDRXXX KWBQ	12-HOUR 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-HOUR PROBABILITY OF THUNDERSTORMS
LRRXXX KWBQ	RELATIVE HUMIDITY
LURXXX KWBQ	6-HOUR PROBABILITY OF PRECIPITATION
LXRXXX KWBQ	12-HOUR PROBABILITY OF THUNDERSTORMS
LYRXXX KWBQ	3-HOUR PROBABILITY OF THUNDERSTORMS

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

<HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/GMOS.PHP>

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

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

<HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP>

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

<HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE>

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