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TECHNICAL IMPLEMENTATION NOTICE 05-56...AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
730 AM EDT WED JUL 27 2006

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA
WEATHER WIRE SERVICE /NWS/ SUBSCRIBERS...
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
/EMWIN/ SUBSCRIBERS...NOAAPORT SUBSCRIBERS...
OTHER NATIONAL WEATHER SERVICE /NWS/ CUSTOMERS
AND PARTNERS...NWS EMPLOYEES

FROM: PAUL HIRSCHBERG
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY /OST/

SUBJECT: AMENDED: ADDITION OF NEW GFS-BASED GRIDDED MOS
GUIDANCE EFFECTIVE AUGUST 15 2006

REFER TO: TECHNICAL IMPLEMENTATION NOTICE /TIN/ 05-56
TRANSMITTED ON JULY 22 2005 AND AMENDED TIN 05-56
TRANSMITTED ON OCTOBER 5 2005

THIS NOTICE AMENDS TIN 05-56 TO ANNOUNCE THE IMPLEMENTATION DATE
OF AUGUST 15 2006 FOR THE NEW GFS-BASED GRIDDED MOS GUIDANCE.
OTHER AMENDMENTS TO THE ORIGINAL TIN INCLUDE:

FULL CONUS GUIDANCE COVERAGE /THE INITIAL EXPERIMENTAL GRIDDED
MOS HAD ONLY THE WESTERN THIRD OF THE NDFD GRID POPULATED WITH
GUIDANCE/.

GRIDDED PRODUCTS FOR THE 24-HOUR SNOWFALL AMOUNT WILL BECOME
AVAILABLE AT A LATER DATE.

UNTIL THE AUGUST 15 2006 IMPLEMENTATION... EXPERIMENTAL GRIB2
PRODUCTS FOR SOME ELEMENTS ARE 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.CONUS

AS OF AUGUST 15 2006...THESE PRODUCTS WILL BE AVAILABLE AT THE
UPDATED OPERATIONAL NWS FTP SERVER LOCATION GIVEN BELOW /USE
LOWER CASE LETTERS EXCEPT FOR SL...ST... DF...DC...GT...AND AR/:

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

ATTENTION USERS OF THE MODEL OUTPUT STATISTICS /MOS/ GUIDANCE:

THE NWS WILL PRODUCE NEW GLOBAL FORECAST SYSTEM /GFS/ -BASED GRIDDED MOS GUIDANCE 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 THE 5 KM NATIONAL DIGITAL FORECAST DATABASE /NDFD/ CONUS GRID FOR SELECTED ELEMENTS AT PROJECTIONS OF 1 TO 7 DAYS IN ADVANCE. GRIDS WILL BE GENERATED FROM THE 0000 AND 1200 UNIVERSAL COORDINATED TIME /UTC/ MODEL RUNS. GUIDANCE WILL 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/

A WEB PAGE PROVIDING MORE INFORMATION REGARDING PROJECTIONS AND ELEMENTS FOR WHICH GUIDANCE IS AVAILABLE IS REFERENCED BELOW.

TABLE 1: COMMUNICATION IDENTIFIERS FOR THE GFS-BASED GRIDDED MOS GRIB2 PRODUCTS. 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
LBUXXX KWBQ	WIND DIRECTION
LCUXXX KWBQ	WIND SPEED
LDUXXX KWBQ	12-HR PROBABILITY OF PRECIPITATION
LEUXXX KWBQ	2-METER TEMPERATURE
LFUXXX KWBQ	2-METER DEW POINT TEMPERATURE
LGUXXX KWBQ	DAYTIME MAXIMUM TEMPERATURE
LHUXXX KWBQ	NIGHTTIME MINIMUM TEMPERATURE
LJUXXX KWBQ	6-HR PROBABILITY OF THUNDERSTORMS
LRUXXX KWBQ	RELATIVE HUMIDITY
LSUXXX KWBQ	24-HR SNOWFALL AMOUNT
LUUXXX KWBQ	6-HR PROBABILITY OF PRECIPITATION
LXUXXX KWBQ	12-HR PROBABILITY OF THUNDERSTORMS
LYUXXX 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:

PAUL DALLAVALLE
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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)

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE
ON THE INTERNET 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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