

NOUS41 KWBC 272005
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-17
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
305 PM EST MON MAR 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: ENHANCEMENTS OF GFS-BASED MOS THUNDERSTORM
PRODUCTS: EFFECTIVE APRIL 25 2006

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

ON TUESDAY APRIL 25 2006...DURING THE 1200 COORDINATED UNIVERSAL
TIME /UTC/ MODEL CYCLE...NWS WILL REPLACE THE EQUATIONS USED TO
GENERATE THE GLOBAL FORECAST SYSTEM /GFS/ BASED MOS GUIDANCE FOR
THUNDERSTORM PROBABILITIES OVER THE CONTIGUOUS UNITED STATES.
THE NEW THUNDERSTORM GUIDANCE WILL REFLECT PROBABILITIES BASED ON
A 40 KILOMETER LAMBERT CONFORMAL GRID RATHER THAN THE PREVIOUSLY
USED 48 KILOMETER POLAR STEREOGRAPHIC GRID. THE GUIDANCE IS
AVAILABLE IN TEXT AND BUFR MESSAGES AND WILL NOW ALSO BE
AVAILABLE IN THE EXTENDED-RANGE 1200 UTC MESSAGES. THESE
THUNDERSTORM PRODUCTS WERE REDEVELOPED TO PREPARE FOR THE GRIDDED
MOS SUITE OUTLINED IN TIN 05-56 /PROVIDED IN A LINK BELOW/.

SHORT-RANGE GFS MOS GUIDANCE IS GENERATED FOUR TIMES A DAY FOR
PROJECTIONS OUT TO 84 HOURS IN ADVANCE. THE EXTENDED-RANGE GFS
MOS GUIDANCE IS GENERATED TWICE A DAY FOR PROJECTIONS OUT TO 192
HOURS IN ADVANCE. THE COMMUNICATION IDENTIFIERS FOR THESE
PRODUCTS ARE LISTED IN TABLE 1.

TABLE 1: WMO HEADING AND AWIPS IDENTIFIERS OF THE AFFECTED GFS
MOS GUIDANCE PRODUCTS

WMO HEADING	AWIPS ID	GEOGRAPHIC REGION
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TEXT PRODUCTS

FOUS21 KWNO	MAVNE1	NORTH EAST U.S.
FEUS21 KWNO	MEXNE1	NORTH EAST U.S.
FOUS22 KWNO	MAVSE1	SOUTH EAST U.S.
FEUS22 KWNO	MEXSE1	SOUTH EAST U.S.
FOUS23 KWNO	MAVNC1	NORTH CENTRAL U.S.
FEUS23 KWNO	MEXNC1	NORTH CENTRAL U.S.

FOUS24 KWNO	MAVSC1	SOUTH CENTRAL U.S.
FEUS24 KWNO	MEXSC1	SOUTH CENTRAL U.S.
FOUS25 KWNO	MAVRM1	ROCKY MOUNTAIN U.S.
FEUS25 KWNO	MEXRM1	ROCKY MOUNTAIN U.S.
FOUS26 KWNO	MAVWC1	WEST COAST U.S.
FEUS26 KWNO	MEXWC1	WEST COAST U.S.

BUFR PRODUCTS

JSML31 KWNO	NORTH EAST U.S.
JSMT31 KWNO	NORTH EAST U.S.
JSML32 KWNO	SOUTH EAST U.S.
JSMT32 KWNO	SOUTH EAST U.S.
JSML33 KWNO	NORTH CENTRAL U.S.
JSMT33 KWNO	NORTH CENTRAL U.S.
JSML34 KWNO	SOUTH CENTRAL U.S.
JSMT34 KWNO	SOUTH CENTRAL U.S.
JSML35 KWNO	ROCKY MOUNTAIN U.S.
JSMT35 KWNO	ROCKY MOUNTAIN U.S.
JSML36 KWNO	WEST COAST U.S.
JSMT36 KWNO	WEST COAST U.S.

A PREVIOUSLY ISSUED TECHNICAL INFORMATION NOTICE REGARDING GRIDDED MOS IS AVAILABLE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIFICATION/OLD/TIN05-56AAA_GFS_MOS_DELAY.TXT](http://www.nws.noaa.gov/om/notification/old/tin05-56aaa_gfs_mos_delay.txt)

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

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

IF YOU HAVE ANY QUESTIONS OR COMMENTS PLEASE CONTACT:

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THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE 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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