

NOUS41 KWBC 131712
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-10
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1215 PM EST WED FEB 13 2008

TO: SUBSCRIBERS:
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OTHER USERS...PARTNERS AND NWS EMPLOYEES

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

SUBJECT: ADDITION OF GFS-BASED MOS THUNDERSTORM GUIDANCE FOR
ALASKA: EFFECTIVE MAY 1 2008

ON MAY 1 2008...THE NWS WILL PRODUCE NEW GLOBAL FORECAST SYSTEM /GFS/ - BASED MODEL OUTPUT STATISTICS /MOS/ THUNDERSTORM GUIDANCE FOR ALASKA. THE GUIDANCE WILL BE ADDED TO THE ALASKA SHORT RANGE /MAV/ AND EXTENDED RANGE /MEX/ TEXT AND BUFR PRODUCTS.

THE NEW MOS THUNDERSTORM GUIDANCE FOR ALASKA WILL REFLECT PROBABILITIES BASED ON A 48 KILOMETER POLAR STEREOGRAPHIC GRID. THE MAV GUIDANCE WILL BE GENERATED FROM THE 0000...0600...1200 AND 1800 UNIVERSAL COORDINATED TIME /UTC/ MODEL RUNS...AND WILL CONTAIN 6 AND 12 HOUR THUNDERSTORM PROBABILITIES FOR PROJECTIONS OUT TO 84 HOURS IN ADVANCE. THE MEX GUIDANCE WILL BE GENERATED FROM THE 0000 AND 1200 UTC MODEL RUNS AND WILL CONTAIN 12 AND 24 HOUR PROBABILITIES OUT TO 156 HOURS IN ADVANCE. THE COMMUNICATION IDENTIFIERS FOR THESE PRODUCTS ARE LISTED IN TABLE 1.

THE MOS THUNDERSTORM PRODUCTS ALSO WILL BE PROVIDED IN GRIB2 FORMAT AS PART OF THE NATIONAL DIGITAL GUIDANCE DATABASE /NDGD/. SEE TECHNICAL IMPLEMENTATION NOTICE /TIN/ 07-82 FOR ADDITIONAL INFORMATION.

NOTE THAT THE ALASKA THUNDERSTORM GUIDANCE WILL ONLY BE VALID DURING THE WARM SEASON PERIOD FROM MAY 1 THROUGH SEPTEMBER 30. AS A RESULT THE T06 AND T12 LINES IN THE MAV AND THE T12 AND T24 LINES IN THE MEX TEXT PRODUCTS WILL BE MISSING DURING THE PERIOD OF OCTOBER 1 THROUGH APRIL 30.

THIS CHANGE WILL HAVE NO IMPACT ON THE THUNDERSTORM GUIDANCE FOR THE CONUS CURRENTLY PROVIDED IN THE GFS MOS TEXT AND BUFR PRODUCTS.

TABLE 1. COMMUNICATION IDENTIFIERS FOR THE GFS-BASED MOS PUBLIC WEATHER TEXT AND BUFR PRODUCTS FOR ALASKA:

TEXT WMO HEADINGS AWIPS ID
/SHORT RANGE GFS TEXT/
FOAK37 KWNO MAVAJK
FOAK38 KWNO MAVAFC
FOAK39 KWNO MAVAFG

/EXTENDED RANGE GFS TEXT/
FEAK37 KWNO MEXAJK
FEAK38 KWNO MEXAFC
FEAK39 KWNO MEXAFG

JSML37 KWNO /SHORT RANGE GFS BUFR PRODUCT/
JSMT37 KWNO /EXTENDED RANGE GFS BUFR PRODUCT/

TECHNICAL DOCUMENTS DESCRIBING THE MAV AND MEX PRODUCTS ARE
AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/TPB/MDLTPB05-07.PDF](http://www.nws.noaa.gov/mdl/synop/tpb/mdltpb05-07.pdf)
[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/TPB/MDLTPB05-03.PDF](http://www.nws.noaa.gov/mdl/synop/tpb/mdltpb05-03.pdf)
[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/TPB/MDLTPB05-04.PDF](http://www.nws.noaa.gov/mdl/synop/tpb/mdltpb05-04.pdf)

FOR QUESTIONS ABOUT THESE ALASKA MOS THUNDERSTORM PRODUCTS...
PLEASE CONTACT:

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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)

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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