

NOUS41 KWBC 171254  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-45  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
850 AM EST FRI JUNE 17 2005

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: ADDITION OF NEW EXTENDED-RANGE GFS-BASED MOS BUFR  
PRODUCTS: EFFECTIVE OCTOBER 11 2005

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

ON TUESDAY... OCTOBER 11 2005... NWS WILL PRODUCE NEW  
EXTENDED-RANGE GLOBAL FORECAST SYSTEM /GFS/ BASED BINARY  
UNIVERSAL FORM FOR THE REPRESENTATION OF METEOROLOGICAL DATA  
/BUFR/ PRODUCTS CONTAINING MOS GUIDANCE. THIS PRODUCT IS FOR  
6 TO 192 HOURS FROM THE 0000 AND 1200 UNIVERSAL COORDINATED  
TIME /UTC/ MODEL RUNS.

THE NEW COMMUNICATION IDENTIFIERS FOR THESE PRODUCTS ARE  
SHOWN IN TABLE 1. A WEB PAGE PROVIDING MORE INFORMATION  
REGARDING PROJECTIONS AND AVAILABLE GUIDANCE ELEMENTS IS  
REFERENCED BELOW. THESE PRODUCTS EVENTUALLY WILL REPLACE  
EXISTING EXTENDED-RANGE GFS-BASED MOS BUFR PRODUCTS. THE NEW  
BUFR PRODUCTS CONTAIN GUIDANCE FOR MORE ELEMENTS AND  
PROJECTIONS THAN EXISTING PRODUCTS... INCLUDING  
TEMPERATURE... DEWPOINT... WIND SPEED... AND WIND DIRECTION  
FOR 3H INTERVALS TO 192 HOURS. AN OVERLAP OF AT LEAST NINE  
MONTHS WILL OCCUR TO ALLOW USERS TIME TO SHIFT TO THE NEW  
PRODUCTS. NWS WILL SEND NOTIFICATION BEFORE REMOVING THE OLD  
PRODUCTS.

THESE NEW BUFR PRODUCTS WILL BE AVAILABLE DURING BOTH THE  
0000 AND 1200 UTC FORECAST CYCLES. THE OLD PRODUCTS WILL  
ONLY BE AVAILABLE FOR THE 0000 UTC CYCLE. A SIMILAR CHANGE  
IS SCHEDULED FOR THE EXTENDED RANGE GFS MOS TEXT PRODUCT.  
SEE TECHNICAL IMPLEMENTATION NOTICE 05-42 FOR FURTHER  
INFORMATION ON THE TEXT MESSAGE.

TABLE 1: COMMUNICATION IDENTIFIERS FOR THE NEW EXTENDED-RANGE GFS-BASED MOS BUFR PRODUCTS

| WMO HEADING | REGION               |
|-------------|----------------------|
| JSMT30 KWNO | PACIFIC REGION       |
| JSMT31 KWNO | NORTHEAST CONUS      |
| JSMT32 KWNO | SOUTHEAST CONUS      |
| JSMT33 KWNO | NORTH CENTRAL CONUS  |
| JSMT34 KWNO | SOUTH CENTRAL CONUS  |
| JSMT35 KWNO | ROCKY MOUNTAIN CONUS |
| JSMT36 KWNO | WEST COAST CONUS     |
| JSMT37 KWNO | ALASKA               |

A WEBSITE OUTLINING ELEMENTS AND PROJECTIONS AVAILABLE IN THE EXTENDED-RANGE GFS-BASED BUFR PRODUCTS AS WELL AS THE ASSOCIATED BUFR TABLE B CAN BE FOUND AT /USE LOWER CASE LETTERS/:

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

A LIST OF SITES IN THE BUFR PRODUCTS AND A MAP OF THE GEOGRAPHIC REGIONS CAN BE FOUND AT /USE LOWER CASE LETTERS/:

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

FOR QUESTIONS ABOUT THESE PRODUCTS OR MOS GUIDANCE... CONTACT:

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METEOROLOGICAL DEVELOPMENT LABORATORY  
SILVER SPRING MARYLAND  
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LINKS TO MOS PRODUCTS... ALONG WITH DESCRIPTIONS... CAN BE FOUND AT /USE LOWER CASE LETTERS/

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

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE 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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