TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS... NOAA WEATHER WIRE SERVICE /NWWS/ 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

<table>
<thead>
<tr>
<th>WMO HEADING</th>
<th>REGION</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSMT30 KWNO</td>
<td>PACIFIC REGION</td>
</tr>
<tr>
<td>JSMT31 KWNO</td>
<td>NORTHEAST CONUS</td>
</tr>
<tr>
<td>JSMT32 KWNO</td>
<td>SOUTHEAST CONUS</td>
</tr>
<tr>
<td>JSMT33 KWNO</td>
<td>NORTH CENTRAL CONUS</td>
</tr>
<tr>
<td>JSMT34 KWNO</td>
<td>SOUTH CENTRAL CONUS</td>
</tr>
<tr>
<td>JSMT35 KWNO</td>
<td>ROCKY MOUNTAIN CONUS</td>
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<tr>
<td>JSMT36 KWNO</td>
<td>WEST COAST CONUS</td>
</tr>
<tr>
<td>JSMT37 KWNO</td>
<td>ALASKA</td>
</tr>
</tbody>
</table>

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

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

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

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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

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE AT /USE LOWER CASE LETTERS/

HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM

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