

NOUS41 KWBC 241305
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 09-25
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
905 AM EDT MON AUG 24 2009

TO: SUBSCRIBERS:
-FAMILY OF SERVICES
-NOAA WEATHER WIRE SERVICE
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
-NOAAPORT
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: JASON TUELL
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: GLOBAL FORECAST SYSTEM BUFR PRODUCT CHANGE: EFFECTIVE AUGUST 25
2009

EFFECTIVE AUGUST 25 2009...BEGINNING WITH THE 1200 COORDINATED UNIVERSAL
TIME /UTC/ RUN...THE NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION /NCEP/
WILL CORRECT AN ERROR IN THE BINARY UNIVERSAL FORM FOR THE REPRESENTATION
OF METEOROLOGICAL DATA /BUFR/ SOUNDING OUTPUT FROM THE GLOBAL FORECAST
SYSTEM /GFS/. THIS ERROR IN THE VERTICAL INTERPOLATION OF TEMPERATURE HAS
RESULTED IN TEMPERATURES AS MUCH AS TWO TO THREE DEGREES TOO COLD IN HIGH
TERRAIN.

THE AFFECTED BUFR PRODUCTS ARE AVAILABLE ON NOAAPORT UNDER THE HEADERS
LISTED IN TABLE 1 BELOW AND ON THE NCEP AND NWS FILE TRANSFER PROTOCOL
/FTP/ SERVERS IN THE FOLLOWING LOCATIONS /WHERE YYYY IS THE YEAR...MM IS
THE MONTH...DD IS THE DAY AND XX IS THE MODEL CYCLE.../ /USE LOWER CASE
EXCEPT FOR SL...ST...MT... CY...RD...PT AND DF/:

[FTP://FTP.NCEP.NOAA.GOV/PUB/DATA/NCCF/COM/GFS/PROD/GFS.YYYYMMDDXX/BUFR.TXX](ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gfs.yyyyymmddxx/bufr.txx)
[Z](ftp://tgftp.nws.noaa.gov/sl.us008001/st.opnl/mt.gfs.cy.xx/rd.yyyy)
[FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.OPNL/MT.GFS CY.XX/RD.YYYY](ftp://tgftp.nws.noaa.gov/sl.us008001/st.opnl/mt.gfs.cy.xx/rd.yyyy)
[MMDD/PT.SNDN DF.BUF/](ftp://tgftp.nws.noaa.gov/sl.us008001/st.opnl/mt.gfs.cy.xx/rd.yyyy)

TABLE 1: WORLD METEOROLOGICAL ORGANIZATION /WMO/ COMMUNICATION IDENTIFIERS
FOR THE GFS BUFR PRODUCTS

JUSA41 KWBC
JUSA42 KWBC
JUSB43 KWBC
JUSB44 KWBC
JUSB45 KWBC
JUSB46 KWBC
JUSX47 KWBC
JUSX48 KWBC
JUSX49 KWBC

THE EFFECTIVE DATE OF THIS CHANGE IS SOONER THAN SPECIFIED BY NWS POLICY.
THE NORMAL ADVANCE LEAD TIME IS NOT PROVIDED SINCE NO ACTION BY USERS IS
REQUIRED TO PREPARE FOR THE IMPLEMENTATION. NO SOFTWARE CHANGES BY USERS
ARE NECESSARY FOR IMPLEMENTATION OF THIS CHANGE. THIS CHANGE WILL CORRECT
TEMPERATURE ERRORS OF TWO TO THREE DEGREES.

IF YOU HAVE ANY QUESTIONS CONCERNING THESE CHANGES...PLEASE CONTACT:

JOHN H. WARD
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CAMP SPRINGS MARYLAND
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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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