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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-99 AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
142 PM EST THU JAN 8 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: AMENDED: GLOBAL FORECAST SYSTEM CHANGES: EFFECTIVE FEBRUARY 24
2009

AMENDED TO DELAY THE EFFECTIVE DATE FROM FEBRUARY 10 2009 TO FEBRUARY 24
2009. THE CHANGE WILL ALLOW ADDITIONAL TIME FOR SUBJECTIVE EVALUATION.
THE ORIGINAL NOTICE...WITH THE REVISED DATE...IS BELOW:

EFFECTIVE TUESDAY FEBRUARY 10 2009...BEGINNING WITH THE 1200 COORDINATED
UNIVERSAL TIME /UTC/ RUN...THE GLOBAL ANALYSIS SYSTEM WILL BE MODIFIED TO
INCLUDE CHANGES IN THE OBSERVATIONS USED IN THE ANALYSIS AND IN THE
FORMULATION OF THE ANALYSIS. THESE CHANGES ARE EXPECTED TO IMPROVE
PERFORMANCE OF THE GLOBAL FORECAST AND ASSIMILATION SYSTEM.

THE CHANGES TO THE GLOBAL ANALYSIS SYSTEM /A GLOBAL APPLICATION OF THE
GRIDPOINT STATISTICAL INTERPOLATION /GSI/ SYSTEM/ INCLUDE:

- INCLUSION OF METOP IASI DATA
- USE OF VARIATIONAL QUALITY CONTROL /QC/
- CHANGE IN LAND/SNOW/ICE SKIN TEMPERATURE VARIANCE
- FLOW DEPENDENT REWEIGHTING OF BACKGROUND ERROR VARIANCES
- ADDITION OF BACKGROUND ERROR COVARIANCE INPUT FILE
- REDUCTION OF NUMBER OF AIRS WATER VAPOR CHANNELS USED
- USE OF NEW VERSION AND COEFFICIENTS FOR COMMUNITY RADIATIVE TRANSFER
MODEL
- MODIFICATION OF HEIGHT ASSIGNMENT FOR HEIGHT BASED WIND OBSERVATIONS
- MODIFICATION OF SURFACE LAND USE FILE TO REMOVE A FEW PERMANENT /~12/
GLACIAL POINTS TO IMPROVE SURFACE TEMPERATURE FORECASTS OVER THOSE POINTS.

DATA DELIVERY TIMING WILL NOT BE IMPACTED BY THIS IMPLEMENTATION. THE GFS
DELIVERY TIME WILL NOT CHANGE.

TEST DATA WILL BE AVAILABLE ON DECEMBER 22 VIA THE NCEP FTP SERVER AT THE
FOLLOWING LOCATIONS /USE LOWER CASE/:

[FTP://FTPPRD.NCEP.NOAA.GOV/PUB/DATA/NCCF/COM/GFS/PARA/GFS.YYYYMMDD](ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gfs/para/gfs.yyyyymmdd)
[FTP://FTPPRD.NCEP.NOAA.GOV/PUB/DATA/NCCF/COM/GFS/PARA/GDAS.YYYYMMDD](ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gfs/para/gdas.yyyyymmdd)

THERE WILL BE NO CHANGE IN THE FORMAT OR CONTENT OF THE DATA VIA ALL
DISSEMINATION ROUTES THAT INCLUDE NOAAPORT...THE NWS PUBLIC FILE TRANSFER
PROTOCOL /FTP/ SERVER AND THE NCEP PUBLIC FTP SERVER.

FOR QUESTIONS CONCERNING THESE CHANGES...PLEASE CONTACT:

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OR

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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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