

NOUS41 KWBC 201805  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-43  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
205 PM EDT TUE MAY 20 2008

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: CHANGES TO OUTPUT FROM HIRES WINDOW MODEL: EFFECTIVE AUGUST 5  
2008

EFFECTIVE TUESDAY AUGUST 5 2008...WITH THE 1200 COORDINATED UNIVERSAL TIME  
/UTC/ RUN...THE NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION /NCEP/ WILL  
INTRODUCE SOME CHANGES TO THE OUTPUT FROM THE HIGH RESOLUTION WINDOW  
/HIRESW/ MODEL.

NCEP RUNS THE WEATHER RESEARCH AND FORECAST /WRF/ VERSIONS OF THE NON-  
HYDROSTATIC HYBRID VERTICAL COORDINATE MESOSCALE MODEL /NMM/ AND THE  
NATIONAL CENTER FOR ATMOSPHERIC RESEARCH /NCAR/ ADVANCED RESEARCH WRF  
/ARW/. THESE RUNS ARE MADE OVER FIVE DOMAINS COVERING THE UNITED STATES  
AND PUERTO RICO. THE RUNS ARE NESTED INSIDE OF THE PARENT NORTH AMERICAN  
MESO MODEL /NAM/...OBTAINING INITIAL AND BOUNDARY CONDITIONS FROM THE NAM.  
BELOW IS THE RUN SCHEDULE AND THE ASSOCIATED DOMAINS:

0000 UTC: EASTERN U.S. AND HAWAII  
0600 UTC: WESTERN U.S. AND PUERTO RICO  
1200 UTC: EASTERN U.S. AND HAWAII  
1800 UTC: ALASKA AND PUERTO RICO

THESE HIRESW RUNS ARE CANCELLED ON THE NCEP OPERATIONAL SUPERCOMPUTER WHEN  
HURRICANE MODELS ARE RUNNING DURING THE TROPICAL SEASON BUT ARE RUN ON THE  
DEVELOPMENT SUPERCOMPUTER WHEN RESOURCES PERMIT.

UPCOMING CHANGES: THE CHANGES LISTED BELOW WILL BE INCORPORATED INTO THE  
MODEL:

1. THE GENERATING PROCESS IDENTIFIER WITHIN THE HIRESW NMM OUTPUT WILL  
CHANGE FROM 84 TO 112.
2. THE GENERATING PROCESS IDENTIFIER WITHIN THE HIRESW ARW OUTPUT WILL  
CHANGE FROM 84 TO 116.
3. VERTICAL MOTION WILL BE PRODUCED AT THREE ADDITIONAL ISOBARIC  
LEVELS...200 250 AND 1000 HPA...IN THE OUTPUT OF BOTH THE HIRESW NMM AND  
HIRESW ARW FOR ALL DOMAINS.

THESE MODEL CHANGES WILL IMPACT ALL DISSEMINATION ROUTES...INCLUDING THE NWS PUBLIC FILE TRANSFER PROTOCOL /FTP/ SERVER AND THE NCEP PUBLIC FTP SERVER. THESE DATA SETS ARE NOT CURRENTLY AVAILABLE ON NOAAPORT.

A CONSISTENT PARALLEL FEED OF DATA WILL BECOME AVAILABLE ON THE NCEP FTP SERVER ON JUNE 17 2008 AT /USE LOWER CASE/:

[FTP://FTP.NCEP.NOAA.GOV/PUB/DATA/NCCF/COM/NAM/PARA](ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/nam/para)

USERS ARE ENCOURAGED TO ENSURE THEIR DECODERS ARE FLEXIBLE AND ARE ABLE TO ADEQUATELY HANDLE CHANGES IN CONTENT ORDER...PARAMETER FIELDS CHANGING ORDER...CHANGES IN THE SCALING FACTOR COMPONENT WITHIN THE PRODUCT DESCRIPTION SECTION /PDS/ OF THE GRIDDED BINARY /GRIB/ FILES AND ANY VOLUME CHANGES THAT MAY BE FORTHCOMING. THESE ELEMENTS MAY CHANGE WITH FUTURE NCEP MODEL IMPLEMENTATIONS. NCEP WILL MAKE EVERY ATTEMPT TO ALERT USERS TO THESE CHANGES BEFORE IMPLEMENTATIONS.

FOR QUESTIONS CONCERNING THESE CHANGES...PLEASE CONTACT:

GEOFF DIMEGO  
NCEP...MESOSCALE MODELING BRANCH  
CAMP SPRINGS MARYLAND  
PHONE: 301-763-8000 X 7221  
EMAIL: [GEOFF.DIMEGO@NOAA.GOV](mailto:GEOFF.DIMEGO@NOAA.GOV)

OR

MATTHEW PYLE  
NCEP...MESOSCALE MODELING BRANCH  
CAMP SPRINGS MARYLAND  
PHONE: 301-763-8000 X 7242  
EMAIL: [MATTHEW.PYLE@NOAA.GOV](mailto:MATTHEW.PYLE@NOAA.GOV)

FOR QUESTIONS REGARDING THE DATAFLOW ASPECTS OF THESE DATA SETS...PLEASE CONTACT THE NCEP/NCO/PMB DATAFLOW HELP DESK AT THE EMAIL ADDRESS BELOW:

EMAIL: [NCEP.PMB.DATAFLOW@NOAA.GOV](mailto:NCEP.PMB.DATAFLOW@NOAA.GOV)

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

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

\$\$  
NNNN