

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
SCIENCE PLANS BRANCH CHIEF
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 HIRES 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 5 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 US AND HAWAII
0600 UTC: WESTERN US AND PUERTO RICO
1200 UTC: EASTERN US 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...
INCLUDE THE NWS PUBLIC 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 LOWERCASE/:

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 PDS OF THE 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 X7221
EMAIL: GEOFF.DIMEGO@NOAA.GOV

OR

MATTHEW PYLE
NCEP...MESOSCALE MODELING BRANCH
CAMP SPRINGS MARYLAND
PHONE: 301 763 8000 X7242
EMAIL: 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

NWS TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT
/USE LOWER CASE LETTERS/:

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

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