

NOUS41 KWBC 141930  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-95  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
230 PM EST FRI NOV 14 2008

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

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

SUBJECT: ADD NEW EXPERIMENTAL NCEP RTMA GRIDS TO NOAAPORT  
AND NDGD: EFFECTIVE JANUARY 28 2009

EFFECTIVE WEDNESDAY JANUARY 28 2009...AT APPROXIMATELY 1500  
COORDINATED UNIVERSAL TIME /UTC/...THE NATIONAL CENTERS FOR  
ENVIRONMENTAL PREDICTION /NCEP/ WILL BEGIN DISSEMINATING THREE  
NEW REAL TIME MESOSCALE ANALYSIS /RTMA/ PRODUCTS. SEPARATE GRIDS  
WILL BE DISSEMINATED FOR FOUR AREAS: CONUS...ALASKA...HAWAII...  
AND PUERTO RICO. THESE EXPERIMENTAL PRODUCTS WILL BE PROVIDED VIA  
NOAAPORT AND THE NATIONAL DIGITAL GUIDANCE DATABASE /NDGD/.

THE RTMA CONSISTS OF A SET OF GRIDDED SURFACE ANALYSES. THE THREE  
NEW RTMA PRODUCTS ARE SURFACE PRESSURE ANALYSIS...SURFACE  
PRESSURE ANALYSIS UNCERTAINTY AND RTMA MODEL TERRAIN HEIGHT.  
NCEP WILL GENERATE THESE PRODUCTS EACH HOUR. EACH HOURLY GRID SET  
WILL HAVE A VALID TIME CORRESPONDING TO THE TOP OF EACH HOUR  
/I.E. 0000...0100...0200...THRU 2300/. THE RTMA GRIDS WILL BE  
DISSEMINATED VIA NOAAPORT AND AVAILABLE ON NDGD AT APPROXIMATELY  
45 MINUTES AFTER THE VALID HOUR. THE NEW HOURLY DATA VOLUME WILL  
BE APPROXIMATELY 5.25 MEGABYTES /MB/ AND THE NEW DAILY DATA  
VOLUME WILL BE APPROXIMATELY 126 MB.

THE GRIDS LISTED IN TABLES 1 WILL BE AVAILABLE ON NOAAPORT AND  
IN NDGD.

TABLE 1: WMO HEADINGS ASSIGNED TO THE NEW RTMA GRIDS

WMO HEADING RTMA PARAMETERS

LPMA98 KWBR	CONUS SURFACE PRESSURE ANALYSIS
LPMA98 KWBR	CONUS SURFACE PRESSURE ANALYSIS UNCERTAINTY
LHMA98 KWBR	CONUS RTMA MODEL TERRAIN HEIGHT
LPAA98 KWBR	ALASKA SURFACE PRESSURE ANALYSIS
LPAA98 KWBR	ALASKA SURFACE PRESSURE ANALYSIS UNCERTAINTY
LHAA98 KWBR	ALASKA RTMA MODEL TERRAIN HEIGHT
LPHA98 KWBR	HAWAII SURFACE PRESSURE ANALYSIS

LPHA98 KWBR HAWAII SURFACE PRESSURE ANALYSIS UNCERTAINTY  
LHHA98 KWBR HAWAII RTMA MODEL TERRAIN HEIGHT  
LPCA98 KWBR PUERTO RICO SURFACE PRESSURE ANALYSIS  
LPCA98 KWBR PUERTO RICO SURFACE PRESSURE ANALYSIS UNCERTAINTY  
LHCA98 KWBR PUERTO RICO RTMA MODEL TERRAIN HEIGHT

IN NDGD THE GRIDS WILL BE PLACED IN SUBDIRECTORIES BENEATH /USE  
LOWERCASE EXCEPT FOR SL...ST...DF...DC...AND GT/:

FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.EXPR/DF.GR2/DC.NDGD/  
GT.RTMA/

THERE IS A SUBDIRECTORY FOR EACH GEOGRAPHICAL REGION /USE  
LOWERCASE EXCEPT FOR AR/:

AR.CONUS  
AR.ALASKA  
AR.HAWAII  
AR.PUERTORI

THE RTMA MODEL TERRAIN HEIGHT GRIDS WILL BE PLACED IN THE  
REGIONAL DIRECTORIES LISTED ABOVE AND WILL BE ASSIGNED THE  
FOLLOWING FILE NAME: DS.TERRAINH.BIN. BENEATH THE GEOGRAPHICAL  
REGION DIRECTORIES ARE 24 SUBDIRECTORIES...ONE FOR EACH HOUR OF  
THE DAY: RT.00...RT.01...RT.02...THROUGH RT.23. EACH HOURLY  
SUBDIRECTORY WILL STORE THE RTMA SURFACE PRESSURE FILES FOR THAT  
NOMINAL HOUR. THE RTMA FILES IN EACH HOURLY SUBDIRECTORY WILL BE  
NAMED AS SHOWN IN TABLE 2 /USE LOWERCASE/:

TABLE 2: NDGD FILE NAMES FOR NEW RTMA GRIDS

FILE NAME RTMA PARAMETER

DS.PRESS.BIN SURFACE PRESSURE ANALYSIS  
DS.UPRESS.BIN SURFACE PRESSURE ANALYSIS UNCERTAINTY

THE RESIDENCE TIMES OF HOURLY SUBDIRECTORY NDGD RTMA FILES WILL  
BE APPROXIMATELY ONE DAY. EACH HOUR NEW FILES WILL BE WRITTEN TO  
THE MOST RECENT HOURLY DIRECTORY...OVERWRITING THE FILES  
CORRESPONDING TO THE SAME HOUR ON THE PREVIOUS DAY.

FOR QUESTIONS ABOUT THE TECHNICAL CONTENT OR GENERATION  
OF THESE PRODUCTS...PLEASE CONTACT:

GEOFF DIMEGO  
NWS...NCEP ENVIRONMENTAL MODELING CENTER  
CAMP SPRINGS MARYLAND  
PHONE: 301 763 8000 EXT 7221  
EMAIL: GEOFF.DIMEGO@NOAA.GOV

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

EMAIL: NCEP.PMB.DATAFLOW@NOAA.GOV

FOR QUESTIONS ABOUT THE NOAAPORT ACTIVATION OR DATA FLOW  
OF THESE PRODUCTS...PLEASE CONTACT:

BRIAN GOCKEL  
NWS...OFFICE OF SCIENCE AND TECHNOLOGY  
SILVER SPRING MARYLAND  
PHONE: 301 713 0304 EXT 158  
EMAIL: BRIAN.GOCKEL@NOAA.GOV

NCEP WILL CONTINUE TO REFINE THE RTMA PRODUCTS. USERS CAN PROVIDE  
FEEDBACK ABOUT THE EXPERIMENTAL RTMA PRODUCTS AT THE FOLLOWING  
WEBSITES. PLEASE NOTE THERE ARE SEPARATE WEB PAGES FOR EACH  
GEOGRAPHICAL AREA.

CONUS RTMA SURVEY SITE /USE LOWER CASE EXCEPT FOR RTMA/:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=RTMA](http://www.weather.gov/survey/nws-survey.php?code=rtma)

ALASKA RTMA SURVEY SITE /USE LOWER CASE EXCEPT FOR RTMA AND AK/:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=RTMA-AK](http://www.weather.gov/survey/nws-survey.php?code=rtma-ak)

HAWAII RTMA SURVEY SITE /USE LOWER CASE EXCEPT FOR RTMA AND HI/:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=RTMA-HI](http://www.weather.gov/survey/nws-survey.php?code=rtma-hi)

PUERTO RICO RTMA SURVEY SITE /USE LOWERCASE EXCEPT RTMA AND PR/:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=RTMA-PR](http://www.weather.gov/survey/nws-survey.php?code=rtma-pr)

A 60-DAY PUBLIC COMMENT PERIOD WILL BEGIN ON THE DATE OF  
ACTIVATION AND END ON MARCH 31 2009.

TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWERCASE/:

[HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM](http://www.weather.gov/os/notif.htm)

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