

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
-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: 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 AND EACH HOURLY GRID SET WILL HAVE A VALID TIME
CORRESPONDING TO THE TOP OF EACH HOUR /I.E...0000...0100...0200...THROUGH
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: WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS ASSIGNED TO THE
NEW RTMA GRIDS

WMO HEADING	RTMA PARAMETERS
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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 LOWER CASE LETTERS EXCEPT FOR SL...ST...DF...DC AND GT/:

[FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.EXPR/DF.GR2/DC.NDGD/GT.RTMA/](ftp://tgftp.nws.noaa.gov/sl.us008001/st.expr/df.gr2/dc.ndgd/gt.rtma/)

THERE IS A SUBDIRECTORY FOR EACH GEOGRAPHICAL REGION /USE LOWER CASE 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 LOWER CASE/:

TABLE 2: NDGD FILE NAMES FOR NEW RTMA GRIDS

FILE NAME	RTMA PARAMETER
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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.

IF YOU HAVE 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

IF YOU HAVE 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

IF YOU HAVE 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 WEB SITES. 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 LOWER CASE EXCEPT FOR 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.

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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