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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-24 AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
955 AM EST MON FEB 5 2007

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
NOAA WEATHER WIRE SERVICE /NWS/ SUBSCRIBERS
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/
SUBSCRIBERS
NOAAPORT SUBSCRIBERS
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: PAUL HIRSCHBERG
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: AMENDED: ADDITION OF REAL TIME MESOSCALE ANALYSIS GRIDS:
EFFECTIVE FEBRUARY 20 2007

AMENDED TO CHANGE EFFECTIVE DATE FROM OCTOBER 17 2006 TO FEBRUARY 20 2007
FOR THE GOES EFFECTIVE CLOUD AMOUNT /ECA/ PRODUCT.

TEXT OF THE PREVIOUS AMENDED NOTICE /CONCERNING ONLY THE REAL TIME
MESOSCALE ANALYSIS /RTMA/ GEOSTATIONARY ORBITING ENVIRONMENTAL SATELLITE
/GOES/ EFFECTIVE CLOUD AMOUNT PRODUCT/...WITH REVISED DATES...IS GIVEN
BELOW:

EFFECTIVE ON TUESDAY FEBRUARY 20 2007...BEGINNING AT 1500 COORDINATED
UNIVERSAL TIME /UTC/...THE NATIONAL ENVIRONMENTAL SATELLITE...DATA AND
INFORMATION SERVICE /NESDIS/-PRODUCED RTMA GOES EFFECTIVE CLOUD AMOUNT
/ECA/ PRODUCTS WILL BEGIN DISSEMINATION VIA NOAAPORT AND THE NATIONAL
DIGITAL GUIDANCE DATABASE /NDGD/. UNCERTAINTY GRIDS WILL NOT BE PROVIDED
FOR THIS RTMA PRODUCT.

AS THE NAME SUGGESTS...THE RTMA GRIDS ARE INTENDED FOR DISTRIBUTION IN
NEAR REAL TIME. THUS...NCEP AND NESDIS EXPLOIT ALL READILY AVAILABLE
SATELLITE...RADAR...RAIN GAGE...AUTOMATED SURFACE OBSERVING SYSTEM
/ASOS/...MESONET AND OTHER SENSOR DATA IN THE GENERATION OF THESE GRIDS.
THE SENSOR DATA ARE INTERPOLATED TO A FIVE KM RESOLUTION CONTIGUOUS U.S.
/CONUS/ GRID AND ENCODED IN GRIDDED BINARY VERSION TWO /GRIB2/.

NESDIS WILL GENERATE THE ECA PRODUCT EACH HOUR. EACH HOURLY GRID SET WILL
HAVE A VALID TIME CORRESPONDING TO AN EVEN HOUR
/I.E...0000...0100...0200...THROUGH 2300/. ALL RTMA GRIDS WILL BE
DISSEMINATED VIA NOAAPORT AND AVAILABLE ON THE NATIONAL DIGITAL GUIDANCE
DATABASE /NDGD/ AT APPROXIMATELY 45 MINUTES AFTER THE VALID TIME HOUR.

THE HOURLY DATA VOLUME FOR THIS PRODUCT WILL BE APPROXIMATELY FIVE
MEGABYTES /MB/.

THE GRID LISTED IN TABLE 1 WILL BE CARRIED ON NOAAPORT AND NDGD.

TABLE 1: NOAAPORT AND NDGD RTMA GRIDS

WMO HEADING RTMA PARAMETERS

LAMA98 KNES GOES EFFECTIVE CLOUD AMOUNT /NO UNCERTAINTY GRID/

ADDITIONAL ECA INFORMATION IS AVAILABLE ONLINE AT /USE LOWER CASE EXCEPT FOR /PDD/RTMAPDD1/:

[HTTP://PRODUCTS.WEATHER.GOV/PDD/RTMAPDD1.PDF](http://products.weather.gov/pdd/rtmapdd1.pdf)

NCEP AND NESDIS WILL CONTINUE TO DEVELOP AND REFINE THE RTMA PRODUCTS. USERS ARE ENCOURAGED TO PROVIDE FEEDBACK ON THE EXPERIMENTAL RTMA PRODUCTS USING THE BRIEF SURVEY AND COMMENT FORM AVAILABLE ONLINE AT /USE LOWER CASE/:

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

THE NDGD GRIDS WILL BE AVAILABLE IN NDGD ON THE NWS FILE TRANSFER PROTOCOL /FTP/ SERVER IN SUBDIRECTORIES OF /USE LOWER CASE EXCEPT FOR SL...ST...DF... DC...GT AND AR/:

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

THE EFFECTIVE DATE OF THIS CHANGE IS SOONER THAN SPECIFIED BY NWS POLICY. THE SHORTER ADVANCE LEAD TIME WAS CAUSED BY THE NECESSITY TO CONDUCT DEVELOPMENT TESTING AND EVALUATION FOR PRODUCT IMPROVEMENTS TO BETTER SERVE THE USERS. THE SHORTER LEAD TIME WAS APPROVED BECAUSE IT IS EXPECTED THAT USERS WILL NOT HAVE TO MAKE MAJOR ADJUSTMENTS TO ACCOMMODATE THESE CHANGES.

IF YOU HAVE ANY QUESTIONS CONCERNING THE ECA PRODUCT OR OTHER RTMA PRODUCTS...THEN PLEASE CONTACT:

FOR THE ECA PRODUCT:

JOHN PAQUETTE
NESDIS
CAMP SPRINGS MARYLAND
PHONE: 301-763-8051 EXT. 110
EMAIL: JOHN.PAQUETTE@NOAA.GOV

OR

CURTIS HOLLAND
NESDIS
CAMP SPRINGS MARYLAND
PHONE: 301-763-8142 EXT. 133
EMAIL: CURTIS.HOLLAND@NOAA.GOV

FOR THE OTHER RTMA PRODUCTS:

GEOFFREY MANIKIN
NCEP
CAMP SPRINGS MD
PHONE: 301-763-8000 EXT. 7263
EMAIL: GEOFFREY.MANIKIN@NOAA.GOV

OR

MANUEL PONDECA
NCEP
CAMP SPRINGS MARYLAND
PHONE: 301-763-8000 EXT. 7734
EMAIL: MANUEL.PONDECA@NOAA.GOV

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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