

NOUS41 KWBC 131736
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-37
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1:00 PM EDT FRI MAY 13 2005

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

FROM: GLENN AUSTIN
NATIONAL DIGITAL SERVICES PROGRAM MANAGER
OFFICE OF CLIMATE WATER AND WEATHER SERVICES

SUBJECT: NATIONAL DIGITAL FORECAST DATABASE IMPROVEMENTS FOR THE CONTIGUOUS
UNITED STATES...PUERTO RICO...AND HAWAII: EFFECTIVE JUNE 15 2005
AT 1400 UTC

REFER TO: TECHNICAL IMPLEMENTATION NOTICE /TIN/ 05-24 CORRECTED SENT
MARCH 16 2005...MOST RECENT TIN RELATED TO NDFD

THIS IS THE LATEST IN A SERIES OF MESSAGES TO UPDATE CUSTOMERS ON THE STATUS OF
THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/ ELEMENTS...AS PROMISED IN
TECHNICAL IMPLEMENTATION NOTICE /TIN/ 05-24.

TWO CHANGES IN NDFD SERVICE WILL BE IMPLEMENTED JUNE 15 2005 AT 1400 COORDINATED
UNIVERSAL TIME /UTC/:

- TWO NEW EXPERIMENTAL ELEMENTS WILL BE AVAILABLE ON THE FILE TRANSFER
PROTOCOL /FTP/ SERVER FOR THE LOWER 48 STATES...PUERTO RICO...HAWAII...
AND GUAM
- SIX EXPERIMENTAL ELEMENTS WILL BE UPGRADED TO OPERATIONAL STATUS FOR
PUERTO RICO AND HAWAII

THESE CHANGES ARE DESCRIBED BELOW.

THE CURRENT STATUS OF EACH OF THE 14 NDFD ELEMENTS FOR EACH DOMAIN...IS
AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/DEVELOPMENT.HTM](http://www.weather.gov/ndfd/development.htm)

1/ THE INITIAL OPERATING CAPABILITY OF THE NDFD INCLUDED 12 FORECAST ELEMENTS.
ADDITIONAL ELEMENTS ARE ADDED TO THE NDFD PERIODICALLY. THE FIRST TWO
ADDITIONAL EXPERIMENTAL ELEMENTS...RELATIVE HUMIDITY AND APPARENT TEMPERATURE...
WILL BE ADDED ON JUNE 15 2005 AT 1400 UTC. THESE NEW ELEMENTS WILL BE DERIVED
FROM THE OPERATIONAL TEMPERATURE...OPERATIONAL DEWPOINT...AND EXPERIMENTAL WIND
GRIDDED FORECASTS...AND WILL BE PRODUCED FOR THE LOWER 48 STATES...PUERTO
RICO...HAWAII...AND GUAM. GRIDDED FORECASTS OF RELATIVE HUMIDITY AND APPARENT

TEMPERATURE WILL BE AVAILABLE FOR DAYS 1 THROUGH 7 AT 5 KILOMETER SPATIAL RESOLUTION...AND THE FOLLOWING FORECAST PROJECTIONS:

| | |
|----------|---------------|
| DAYS 1-3 | EVERY 3 HOURS |
| DAYS 4-7 | EVERY 6 HOURS |

SPECIFIC INFORMATION FOR FTP USERS TO PULL THIS DATA IN GRIB2 FORMAT IS AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/OPER_IMPLM.HTM](http://www.weather.gov/ndfd/oper_implem.htm)

NEW NDFD GRAPHICS FOR THESE EXPERIMENTAL ELEMENTS WILL BE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/FORECASTS/GRAPHICAL/SECTORS/](http://www.weather.gov/forecasts/graphical/sectors/)

THESE NEW EXPERIMENTAL ELEMENTS WILL ALSO BE ACCESSIBLE FROM THE NDFD EXTENSIBLE MARKUP LANGUAGE /XML/ VIA WEB SERVICE /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/XML/](http://www.weather.gov/xml/)

2/ ALSO ON JUNE 15 2005 AT 1400 UTC...THE FOLLOWING ELEMENTS WILL BE UPGRADED FROM EXPERIMENTAL TO OPERATIONAL FOR PUERTO RICO AND HAWAII:

| | |
|--------------------------------------|-------------|
| MAXIMUM TEMPERATURE | TEMPERATURE |
| MINIMUM TEMPERATURE | DEWPOINT |
| 12-HOUR PROBABILITY OF PRECIPITATION | WEATHER |

THESE SIX FORECAST ELEMENTS ARE ALREADY IN OPERATIONAL STATUS FOR THE LOWER 48 STATES. WE EXPECT TO MAKE THESE SAME SIX ELEMENTS OPERATIONAL FOR GUAM LATER THIS YEAR. STAY TUNED TO FUTURE TECHNICAL IMPLEMENTATION NOTICES FOR FURTHER INFORMATION.

THIS CHANGE AFFECTS USERS WHO PULL THESE ELEMENTS FOR PUERTO RICO AND HAWAII IN GRID FORMAT FROM THE NWS FILE TRANSFER PROTOCOL /FTP/ SERVER. SPECIFIC INFORMATION FOR FTP USERS REGARDING THIS CHANGE IS AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/OPER_IMPLM.HTM](http://www.weather.gov/ndfd/oper_implem.htm)

THIS CHANGE WILL BE TRANSPARENT TO USERS OF THE NDFD NATIONAL GRAPHICAL FORECASTS FOR PUERTO RICO AND HAWAII AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/FORECASTS/GRAPHICAL/SECTORS/](http://www.weather.gov/forecasts/graphical/sectors/)

AND USERS OF THE NDFD XML VIA WEB SERVICE:

[HTTP://WWW.WEATHER.GOV/XML/](http://www.weather.gov/xml/)

THE NWS WILL CONTINUE TO ASSESS THE OPERATIONAL READINESS OF THE REMAINING EXPERIMENTAL ELEMENTS OVER THE NEXT THREE MONTHS. WE WILL PROVIDE THE NEXT OPERATIONAL READINESS STATUS MESSAGE AS A TECHNICAL IMPLEMENTATION NOTICE NO

LATER THAN AUGUST 15 2005. USERS WILL BE GIVEN A MINIMUM OF 30 DAYS ADVANCE NOTICE OF OUR DECISION TO DECLARE ANY ADDITIONAL NDFD ELEMENTS OPERATIONAL OR TO ADD ANY MORE EXPERIMENTAL ELEMENTS.

RELATED NDFD WEB SITES /USE LOWER CASE LETTERS FOR THESE URLS/:

CONTENT OF THE NDFD GRIDDED DATA FILES AND INSTRUCTIONS FOR ACCESSING THE OPERATIONAL AND EXPERIMENTAL GRID ELEMENTS IN EITHER GRIDDED BINARY /GRIB2/ FORMAT OR EXTENSIBLE MARKUP LANGUAGE /XML/:

[HTTP://WWW.WEATHER.GOV/NDFD/TECHNICAL.HTM](http://www.weather.gov/ndfd/technical.htm)
[HTTP://WWW.WEATHER.GOV/XML/](http://www.weather.gov/xml/)

NDFD GRAPHICS:

[HTTP://WWW.WEATHER.GOV/FORECASTS/GRAPHICAL/SECTORS/](http://www.weather.gov/forecasts/graphical/sectors/)

PRODUCT DESCRIPTION DOCUMENTS /PDD/ FOR THE EXPERIMENTAL NDFD GRIDDED DATA AND GRAPHICS:

[HTTP://PRODUCTS.WEATHER.GOV/VIEWLISTE.PHP](http://products.weather.gov/viewliste.php)

GO TO PAGE 5 FOR ONE PDD DESCRIBING THE EXPERIMENTAL NDFD GRIDDED DATA AND A SECOND PDD DESCRIBING THE EXPERIMENTAL NDFD GRAPHICS DATA

NDFD VERIFICATION INFORMATION:

[HTTP://WWW.WEATHER.GOV/NDFD/VERIFICATION/](http://www.weather.gov/ndfd/verification/)

USERS OF THE EXPERIMENTAL GRID PRODUCTS MAY PROVIDE FEEDBACK ON WHICH ELEMENTS ARE MOST NEEDED AND WHICH APPEAR READY TO BE DESIGNATED OPERATIONAL. A BRIEF SURVEY AND COMMENT FORM IS AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

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

IF YOU HAVE QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

CHRIS ALEX
NATIONAL WEATHER SERVICE
OCWWS...DIGITAL SERVICES
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
EMAIL: CHRISTINE.ALEX@NOAA.GOV

IF YOU HAVE TECHNICAL QUESTIONS REGARDING THE NDFD DATA...PLEASE CONTACT:

DAVID RUTH
CHIEF...MESOSCALE PREDICTION BRANCH
NATIONAL WEATHER SERVICE
OFFICE OF SCIENCE AND TECHNOLOGY
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
EMAIL: DAVID.RUTH@NOAA.GOV

THIS INFORMATION WILL ALSO BE POSTED ON THE NWS DATA MANAGEMENT CHANGE NOTICES
WEB PAGE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/DATAMGMT/NOTICES.SHTML](http://www.weather.gov/datamgmt/notices.shtml)

THIS AND ALL OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE ONLINE AT
/USE LOWER CASE LETTERS/:

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

\$\$
NNNN