NOUS41 KWBC 161830
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 04-49
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
230 PM EDT THU SEP 16 2004

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

FROM: GREG MANDT
           DIRECTOR...OFFICE OF CLIMATE...WATER AND WEATHER SERVICES

SUBJECT: UPDATE: NATIONAL WEATHER SERVICE NATIONAL DIGITAL FORECAST
DATABASE /NDFD/ STATUS

REFER TO: TECHNICAL IMPLEMENTATION NOTICE /TIN/ 04-34...SENT JUNE 30 2004.

ON DECEMBER 1 2004...PORTIONS OF THE NDFD WILL BECOME AN OFFICIAL NWS
PRODUCT. SPECIFICALLY...THE NWS HAS DETERMINED THAT THREE OF THE INITIAL
12 EXPERIMENTAL ELEMENTS WILL BE DECLARED OFFICIAL. THESE THREE OFFICIAL
ELEMENTS INCLUDE:

MAXIMUM TEMPERATURE
MINIMUM TEMPERATURE
PROBABILITY OF PRECIPITATION /POP12/

THESE OFFICIAL ELEMENTS WILL BE LOCATED AT THE FOLLOWING URL ON DECEMBER
1.../USE LOWER CASE EXCEPT FOR SL...ST...DF...DC AND AR/:

FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.OPNL/DF.GR2/DC.NDFD/AR.CONUS/

THIS REPRESENTS AN INITIAL OPERATING CAPABILITY /IOC/ FOR NDFD.

THE NWS EXPECTS TO CONTINUE TO IMPROVE THE
RELIABILITY...ACCURACY...CONSISTENCY AND TIMELINESS OF THE GRID ELEMENTS
AFTER NDFD IOC. UNTIL THE NWS COMPLETES BACKUP SERVER UPGRADES ON MARCH 1
2005...USERS MAY EXPERIENCE SERVICE DELAYS ON RARE OCCASIONS.

THE NWS IS WORKING TO IMPROVE NDFD CONSISTENCY AND ACCURACY ON DAYS WITH
LARGE...WIDESPREAD WEATHER EVENTS. EXPERIMENTAL NDFD VERIFICATION
INFORMATION FOR USERS IS AVAILABLE AT THE FOLLOWING URL.../USE LOWER
CASE/:

HTTP://WWW.NWS.NOAA.GOV/NDFD/VERIFICATION/

THE NINE REMAINING ELEMENTS FROM THE ORIGINAL SET WILL RETAIN THEIR
EXPERIMENTAL STATUS WHILE THEY ARE IMPROVED AND EVALUATED. USERS WILL BE
GIVEN 30 DAYS' NOTICE WHEN AN ELEMENT MOVES FROM EXPERIMENTAL TO OFFICIAL
STATUS. THE NWS WILL ANNOUNCE BY DECEMBER 15 2004 WHICH ADDITIONAL

ELEMENTS WILL BE TRANSITIONED TO OFFICIAL NWS PRODUCTS ON JANUARY 15 2005.

THESE NINE EXPERIMENTAL ELEMENTS INCLUDE:

SKY COVER
QUANTITATIVE PRECIPITATION FORECAST /QPF/
SNOW AMOUNT
WEATHER
WIND DIRECTION
WIND SPEED
TEMPERATURE
DEW POINT
SIGNIFICANT WAVE HEIGHT

THESE ELEMENTS...ALONG WITH ALL OTHER EXPERIMENTAL ELEMENTS... WILL
CONTINUE TO BE ACCESSED AT THE FOLLOWING URL.../USE LOWER CASE EXCEPT FOR
SL...ST...DF...DC AND AR/:

FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/ST.EXPR/DF.GR2/DC.NDFD/AR.CONUS/

THERE WILL BE NO OVERLAP OF DATA BETWEEN THE TWO DIRECTORIES. ONCE AN
ELEMENT BECOMES OFFICIAL AND MOVES TO THE OPERATIONAL DIRECTORY...IT WILL
NO LONGER BE ACCESSIBLE IN THE EXPERIMENTAL DIRECTORY.

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

HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=NDFD-GRIDS

DATA FROM THE NDFD ARE PROVIDED IN GRIB /GRIDDED BINARY/ FORMAT. MORE
SPECIFIC INFORMATION ON THE CONTENT OF THESE FILES AND FILE TRANSFER
PROTOCOL /FTP/ INSTRUCTIONS CAN BE OBTAINED AT THE URL LISTED BELOW /USE
LOWER CASE/:

HTTP://WWW.NWS.NOAA.GOV/NDFD/TECHNICAL/TECHNICAL.HTM

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

LEROY SPAYD
CHIEF...METEOROLOGICAL SERVICES DIVISION
NWS HEADQUARTERS
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES
EMAIL: LEROY.SPAYD@NOAA.GOV

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

DAVID RUTH
CHIEF...MESOSCALE PREDICTION BRANCH
NWS HEADQUARTERS
OFFICE OF SCIENCE AND TECHNOLOGY
EMAIL: DAVID.RUTH@NOAA.GOV

THIS INFORMATION IS ALSO POSTED ON THE NWS DATA MANAGEMENT CHANGE NOTICES
WEBPAGE AT THE URL LISTED BELOW /USE LOWER CASE/:

HTTP://WWW.NWS.NOAA.GOV/DATAMGMT/NOTICES.SHTML

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE

$$
NNNN