

NOUS41 KWBC 281912
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 09-38
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
312 PM EDT WED OCT 28 2009

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

FROM: ELI JACKS
CHIEF...FIRE AND PUBLIC WEATHER SERVICES BRANCH

SUBJECT: DAY 4 TO 8 CONVECTIVE OUTLOOK ELEMENT IN THE NATIONAL DIGITAL
FORECAST DATABASE /NDFD/ TRANSITIONS FROM EXPERIMENTAL TO OPERATIONAL:
EFFECTIVE DECEMBER 1 2009

EFFECTIVE TUESDAY DECEMBER 1 2009 AT 1400 COORDINATED UNIVERSAL TIME
/UTC/...THE DAY 4 TO 8 CONVECTIVE OUTLOOK ISSUED BY THE STORM PREDICTION
CENTER /SPC/ IN THE NDFD WILL TRANSITION FROM EXPERIMENTAL TO OPERATIONAL
STATUS.

THE NWS BEGAN ISSUING THE DAY 4 TO 8 CONVECTIVE OUTLOOK GRID
EXPERIMENTALLY ON SEPTEMBER 30 2008. GRID POINT VALUES ARE EITHER 5
/FIVE/ OR 0 /ZERO/. A GRID POINT VALUE OF 5 /FIVE/ IS A POINT WHERE AT
LEAST A 30 PERCENT PROBABILITY FOR SEVERE THUNDERSTORMS EXISTS. THIS IS
EQUIVALENT TO A HIGHER END SLIGHT RISK THREAT. A GRID POINT VALUE OF 0
/ZERO/ IS A POINT WHERE EITHER THE PREDICTABILITY OF SEVERE WEATHER OR THE
POTENTIAL FOR SEVERE WEATHER IS TOO LOW. THIS ELEMENT IS AVAILABLE FROM
THE NDFD ONCE A DAY AT 1200 UTC FOR THE CONTERMINOUS U.S. /CONUS/ AND THE
16 PRE-DEFINED NDFD CONUS SUBSECTORS.

NWS WILL PROVIDE MORE DETAILS REGARDING THE DAY 4 TO 8 CONVECTIVE OUTLOOK
ELEMENT IN A PRODUCT DESCRIPTION DOCUMENT /PDD/ WHICH WILL BE ADDED TO THE
ONLINE CATALOG OF NWS PRODUCTS AND SERVICES BEFORE THE IMPLEMENTATION
DATE. REFER TO /USE LOWER CASE/:

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

WITH THIS IMPLEMENTATION...THE DAY 4 TO 8 CONVECTIVE OUTLOOK ELEMENT WILL
BE AVAILABLE FROM NDFD IN FOUR OF THE STANDARD METHODS:

GRIDDED BINARY 2 /GRIB2/ FILES VIA HYPERTEXT TRANSFER PROTOCOL /HTTP/ AND
FILE TRANSFER PROTOCOL /FTP/

EXTENSIBLE MARKUP LANGUAGE /XML/ VIA THE SIMPLE OPEN ACCESS PROTOCOL
/SOAP/ SERVICE

GRAPHICS MARKUP LANGUAGE /GML/ VIA THE WEB FEATURE SERVICE /WFS/

GRAPHICS VIA WEB BROWSER

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL NDFD ELEMENTS IN THE GRIDDED BINARY VERSION TWO /GRIB2/ FORMAT FROM THE NWS FILE TRANSFER PROTOCOL /FTP/ SERVER...EITHER VIA THE INTERNET OR THE FAMILY OF SERVICES /FOS/ SERVER ACCESS SERVICE...AND USERS WHO PULL HTML FILES FROM THE NWS HTTP SERVER. THOSE USERS WILL NEED TO PULL THESE ELEMENTS FOR THE DOMAINS OF INTEREST FROM A DIFFERENT UNIFORM RESOURCE LOCATOR /URL/ AND MAY NEED TO UPDATE PROCEDURES AND SCRIPTS TO ENSURE CONTINUED RECEIPT OF THE DATA.

FOR USERS WHO KEY ON THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ SUPER HEADINGS TO ACCESS NDFD ELEMENTS...THE LIST OF WMO SUPER HEADINGS FOR STORM PREDICTION CENTER ELEMENTS IS ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/DATAMGMT/DOC/SPC.HTML](http://www.weather.gov/datamgmt/doc/spc.html)

USERS OF THE NDFD IN XML VIA THE SOAP SERVICE...VIA THE NDFD WMS IN GML AND USERS WHO VIEW THE ONLINE NDFD GRAPHICS VIA WEB BROWSER ARE NOT IMPACTED BY THIS IMPLEMENTATION. THESE USERS CAN CONTINUE THE SAME METHODS THEY CURRENTLY USE TO ACQUIRE THESE ELEMENTS FROM THE DOMAIN OF INTEREST.

DETAILS REGARDING THIS IMPLEMENTATION...INCLUDING SPECIFIC INFORMATION FOR HTTP AND FTP USERS...ARE AVAILABLE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/NDFD/SPC SWODY48 IMPLEM.HTM](http://www.weather.gov/ndfd/spc_swody48_implem.htm)

GENERAL INFORMATION ON ACCESSING AND USING NDFD ELEMENTS IS AVAILABLE AT /USE LOWER CASE/:

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

IF DECEMBER 1 2009 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE POSTPONED. USERS WILL BE NOTIFIED OF THAT DECISION VIA A TECHNICAL IMPLEMENTATION NOTICE /TIN/ AS FAR IN ADVANCE AS POSSIBLE.

FOR GENERAL QUESTIONS REGARDING THE NDFD...PLEASE EMAIL:

NWS.NDFD@NOAA.GOV

IF YOU HAVE ANY QUESTIONS REGARDING THESE PRODUCTS...PLEASE CONTACT:

DR. RUSSELL SCHNEIDER
CHIEF...SCIENCE SUPPORT BRANCH
STORM PREDICTION CENTER
NORMAN OKLAHOMA
405-325-2066
RUSSELL.SCHNEIDER@NOAA.GOV

GREGORY GROSSHANS
METEOROLOGIST
STORM PREDICTION CENTER
NORMAN OKLAHOMA
405-325-2462
GREGORY.GROSSHANS@NOAA.GOV

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

KEVIN SCHARFENBERG
NWS SEVERE STORMS SERVICES COORDINATOR
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES
NORMAN OKLAHOMA
KEVIN.SCHARFENBERG@NOAA.GOV

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

DAVID RUTH
CHIEF...MESOSCALE PREDICTION BRANCH
NWS OFFICE OF SCIENCE AND TECHNOLOGY
SILVER SPRING MARYLAND
DAVID.RUTH@NOAA.GOV

TINS SPECIFICALLY RELATED TO THE NDFD ARE AVAILABLE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/NDFD/TINS.HTM](http://WWW.WEATHER.GOV/NDFD/TINS.HTM)

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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