

NOUS41 KWBC 091431
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-72
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1030 AM EDT TUE SEP 9 2008

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

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

SUBJECT: ADDITION OF EXPERIMENTAL DAY 4 TO 8 CONVECTIVE
OUTLOOK ELEMENT TO THE NATIONAL DIGITAL FORECAST
DATABASE /NDFD/ EFFECTIVE SEPTEMBER 30 2008

EFFECTIVE TUESDAY SEPTEMBER 30 2008 AT 1200 COORDINATED
UNIVERSAL TIME /UTC/...THE DAY 4 TO 8 CONVECTIVE OUTLOOK ISSUED
BY THE STORM PREDICTION CENTER /SPC/ WILL BE ADDED TO THE
NATIONAL DIGITAL FORECAST DATABASE /NDFD/ IN EXPERIMENTAL
STATUS. THIS ELEMENT WILL BE AVAILABLE FROM THE NDFD ONCE A
DAY AT 1200 UTC FOR THE CONTERMINOUS U.S. /CONUS/ AND THE 16
PRE-DEFINED NDFD CONUS SUBSECTORS.

USERS OF NDFD EXTENSIBLE MARKUP LANGUAGE /XML/ VIA THE SIMPLE
OBJECT ACCESS PROTOCOL /SOAP/ SERVICE OR NDFD GEOGRAPHY MARKUP
LANGUAGE /GML/ VIA THE WEB FEATURE SERVICE /WFS/ WILL BE ABLE
TO ACCESS THIS ELEMENT VIA THOSE SERVICES ONE WEEK LATER ON
OCTOBER 7 2008 AT 1200 UTC.

GRID POINTS ARE EITHER 5 /FIVE/ OR 0 /ZERO/. A GRID POINT 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 OF 0 /ZERO/ IS A
POINT WHERE PREDICTABILITY OF SEVERE WEATHER OR THE POTENTIAL
FOR SEVERE WEATHER IS TOO LOW.

NWS WILL PROVIDE MORE DETAILS ON 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 LETTERS/:

[HTTP://PRODUCTS.WEATHER.GOV/VIEWLISTE.PHP](http://PRODUCTS.WEATHER.GOV/VIEWLISTE.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 /GRIB2/ FILES VIA HYPERTEXT TRANSFER
PROTOCOL /HTTP/ AND FILE TRANSFER PROTOCOL /FTP/
- XML VIA THE SOAP SERVICE
- GML VIA THE WFS
- GRAPHICS VIA WEB BROWSER

USERS WHO PULL NDFD ELEMENTS IN GRIB2 FORMAT FROM THE NWS ANONYMOUS FTP SERVER OR THE HTTP SERVER MAY NEED TO UPDATE THEIR PROCEDURES AND SCRIPTS TO ACCESS THIS NEW ELEMENT.

USERS WHO INGEST NDFD GRIB2 FORMAT FROM NOAAPORT MAY NEED TO UPDATE THEIR PROCEDURES AND SCRIPTS TO ACCESS THE FOLLOWING NEW PRODUCTS.

LDIZ47 KWNS DAY 4
LDIZ57 KWNS DAY 5
LDIZ67 KWNS DAY 6
LDIZ77 KWNS DAY 7
LDIZ87 KWNS DAY 8

FOR CUSTOMERS WHO KEY ON THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ SUPER HEADINGS TO ACCESS NDFD ELEMENTS...THE LIST OF WMO SUPER HEADINGS FOR THE EXPERIMENTAL HAZARDS ELEMENT IS ONLINE AT /USE LOWER CASE LETTERS/:

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

CUSTOMERS WHO USE THE NDFD IN XML VIA THE SOAP SERVICE OR NDFD GRAPHICS VIA A WEB BROWSER CAN USE THE SAME METHODS THEY CURRENTLY USE TO ACQUIRE THIS NEW EXPERIMENTAL ELEMENT. THE DAY 4 TO 8 CONVECTIVE OUTLOOK NDFD GRAPHICS WILL BE LABELED EXPERIMENTAL.

MORE SPECIFIC INFORMATION ABOUT ACCESSING THESE NEW ELEMENTS USING THE STANDARD NDFD ACCESS METHODS IS AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/D4-CONV_OUTLK_EXP.HTM](http://www.weather.gov/ndfd/d4-conv_outlk_exp.htm)

THIS IMPLEMENTATION MAY BE POSTPONED IF SEPTEMBER 30 2008 IS A CRITICAL WEATHER DAY. USERS WILL BE NOTIFIED OF THAT DECISION VIA A TECHNICAL IMPLEMENTATION NOTICE AS FAR IN ADVANCE AS POSSIBLE.

GENERAL INFORMATION ON ACCESSING AND USING NDFD ELEMENTS IS AVAILABLE ONLINE AT /USER LOWER CASE LETTERS/:

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

COMMENTS AND FEEDBACK ON THE EXPERIMENTAL HAZARDS ELEMENT WILL BE ACCEPTED THROUGH FEBRUARY 28 2009. LINKS TO ONLINE SURVEYS FOR NDFD CUSTOMERS ARE /USE LOWER CASE LETTERS/:

GRIB2 USERS:

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

USERS OF XML SOAP SERVICE:

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

USERS OF THE NDFD IMAGES VIA WEB BROWSER:

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

USERS OF GML VIA WFS SERVICE:

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

THE NEW DAY 4 TO 8 CONVECTIVE OUTLOOK ELEMENT WILL REMAIN EXPERIMENTAL UNTIL ALL FEEDBACK RECEIVED BY THE CLOSE OF THE COMMENT PERIOD HAS BEEN ASSESSED AND A TECHNICAL ANALYSIS IS COMPLETED. AT THAT TIME NWS WILL DETERMINE WHETHER TO TRANSITION THESE EXPERIMENTAL ELEMENTS TO OPERATIONAL STATUS...DISCONTINUE THEM...OR REVISE AND RETAIN THEM AS EXPERIMENTAL ELEMENTS.

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

NWS.NDFD@NOAA.GOV

FOR QUESTIONS REGARDING THESE PRODUCTS...PLEASE CONTACT:

DR. RUSSELL SCHNEIDER	GREGORY GROSSHANS
CHIEF...SCIENCE SUPPORT BRANCH	METEOROLOGIST
STORM PREDICTION CENTER	STORM PREDICTION CENTER
NORMAN OKLAHOMA	NORMAN OKLAHOMA
PHONE: 405-325-2066	PHONE: 405-325-2462
EMAIL: RUSSELL.SCHNEIDER@NOAA.GOV	EMAIL: GREGORY.GROSSHANS@NOAA.GOV

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

JOHN FERREE
SEVERE STORMS SERVICE LEADER
OFFICE OF CLIMATE WATER AND WEATHER SERVICES
NORMAN OKLAHOMA
EMAIL: JOHN.T.FERREE@NOAA.GOV

FOR TECHNICAL QUESTIONS REGARDING THE NDFD DATA...CONTACT:

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

TECHNICAL IMPLEMENTATION NOTICES SPECIFICALLY RELATED TO THE NDFD ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

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

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

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

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