

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  
-NOAAPORT  
OTHER NWS PARTNERS...USERS AND 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/:

[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 GRIDDED BINARY VERSION TWO /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/:

[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/:

[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 /USE LOWER CASE/:

[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/:

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-SURVEY.PHP?CODE=NDFD-WFS](http://www.weather.gov/survey/nws-survey.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](mailto: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: <a href="mailto:RUSSELL.SCHNEIDER@NOAA.GOV">RUSSELL.SCHNEIDER@NOAA.GOV</a> | EMAIL: <a href="mailto:GREGORY.GROSSHANS@NOAA.GOV">GREGORY.GROSSHANS@NOAA.GOV</a> |

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](mailto: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](mailto:DAVID.RUTH@NOAA.GOV)

TECHNICAL IMPLEMENTATION NOTICES SPECIFICALLY RELATED TO THE NDFD ARE AVAILABLE ONLINE 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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