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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 09-14  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
203 PM EDT MON MAR 30 2009

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

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

SUBJECT: NINE CONVECTIVE OUTLOOK HAZARD PROBABILITY ELEMENTS  
TRANSITION TO OPERATIONAL IN THE NATIONAL DIGITAL  
FORECAST DATABASE /NDFD/ EFFECTIVE APRIL 30 2009

EFFECTIVE APRIL 30 2009 AT 1400 COORDINATED UNIVERSAL TIME  
/UTC/...NINE CONVECTIVE OUTLOOK HAZARD PROBABILITY ELEMENTS IN  
THE NDFD/ WILL BE UPGRADED FROM EXPERIMENTAL TO OPERATIONAL  
STATUS. THESE ELEMENTS ARE GENERATED BY THE STORM PREDICTION  
CENTER /SPC/ IN NORMAN OKLAHOMA. THESE NINE ELEMENTS HAVE BEEN  
AVAILABLE FROM THE NDFD IN EXPERIMENTAL STATUS FOR THE  
CONTIGUOUS U.S. /CONUS/ AND FOR THE 16 PRE-DEFINED CONUS  
SUBSECTORS SINCE FEBRUARY 27 2007.

THE NINE CONVECTIVE OUTLOOK HAZARD PROBABILITY ELEMENTS BEING  
UPGRADED TO OPERATIONAL STATUS ARE:

CONVECTIVE HAZARD OUTLOOK - DAY 1...DAY 2 AND 3  
PROBABILITY OF TORNADOES - DAY 1  
PROBABILITY OF HAIL - DAY 1  
PROBABILITY OF DAMAGING THUNDERSTORM WINDS - DAY 1  
PROBABILITY OF EXTREME TORNADOES - DAY 1  
PROBABILITY OF EXTREME HAIL - DAY 1  
PROBABILITY OF EXTREME THUNDERSTORM WINDS - DAY 1  
TOTAL PROBABILITY OF SEVERE THUNDERSTORMS - DAY 2 AND 3  
TOTAL PROBABILITY OF EXTREME SEVERE THUNDERSTORMS - DAY 2 AND 3

MORE DETAILS REGARDING THESE ELEMENTS WILL BE PROVIDED IN A  
PRODUCT DESCRIPTION DOCUMENT /PDD/ WHICH WILL BE ADDED TO THE  
ONLINE CATALOG OF OPERATIONAL NWS PRODUCTS AND SERVICES BEFORE  
THE IMPLEMENTATION DATE. REFER TO /USE LOWERCASE/:

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

THE CONVECTIVE HAZARD OUTLOOK FOR DAYS 4-8 WILL REMAIN IN  
EXPERIMENTAL STATUS IN THE NDFD WHILE THE NWS CONTINUES TO  
ASSESS THAT ELEMENT.

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL THESE ELEMENTS IN GRIDDED BINARY 2 /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 HYPERTEXT TRANSPORT PROTOCOL /HTTP/ SERVER. THOSE USERS WILL NEED TO PULL THESE ELEMENTS FOR THE DOMAIN/S OF INTEREST FROM A DIFFERENT UNIFORM RESOURCE LOCATOR /URL/ AND MAY NEED TO UPDATE PROCEDURES AND SCRIPTS TO ENSURE CONTINUED RECEIPT OF THE DATA.

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

[HTTP://WWW.WEATHER.GOV/NDFD/OPER\\_IMPLM\\_9SPC.HTM](http://www.weather.gov/ndfd/oper_implem_9spc.htm)

FOR USERS WHO KEY ON WORLD METEOROLOGICAL ORGANIZATION /WMO/ SUPER HEADINGS TO ACCESS NDFD ELEMENTS...THE LIST OF SUPER HEADINGS FOR THE CONVECTIVE OUTLOOK HAZARD PROBABILITY ELEMENTS IS ONLINE AT /USE LOWER CASE LETTERS/:

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

USERS OF THE NDFD IN EXTENSIBLE MARKUP LANGUAGE /XML/ VIA SIMPLE OBJECT ACCESS PROTOCOL /SOAP/ AND NDFD IN GEOGRAPHIC MARKUP LANGUAGE /GML/ VIA WEB FEATURE SERVICE ARE NOT DIRECTLY IMPACTED BY THIS IMPLEMENTATION. THOSE USERS CAN USE THE SAME METHODS THEY CURRENTLY USE TO ACQUIRE THESE ELEMENTS FOR THE DOMAINS OF INTEREST. FOR XML AND GML USERS...THERE IS NO DISTINCTION IN THE DATA ITSELF BETWEEN EXPERIMENTAL AND OPERATIONAL ELEMENTS.

DETAILED DESCRIPTIONS OF THESE PRODUCTS ARE AVAILABLE AT THE SPC WEB SITE AT /USE LOWERCASE/:

[HTTP://WWW.SPC.NOAA.GOV/PRODUCTS/OUTLOOK/PROBINFO.HTML](http://www.spc.noaa.gov/products/outlook/probinfo.html)

THESE FORECASTS ARE ALREADY AVAILABLE AS GRAPHICS ON THE SPC WEB SITE AT /USE LOWERCASE/:

[HTTP://WWW.SPC.NOAA.GOV/PRODUCTS/OUTLOOK/](http://www.spc.noaa.gov/products/outlook/)

GENERAL INFORMATION ON ACCESSING AND USING NDFD ELEMENTS IS AVAILABLE ONLINE AT /USER LOWERCASE/:

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

IF APRIL 30 2009 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE POSTPONED. IN THAT CASE USERS WILL BE NOTIFIED OF THAT DECISION VIA TECHNICAL IMPLEMENTATION NOTICE AS FAR IN ADVANCE AS POSSIBLE.

IF YOU HAVE ANY QUESTIONS REGARDING THESE PRODUCTS...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  
RUSSELL.SCHNEIDER@NOAA.GOV          GREGORY.GROSSHANS@NOAA.GOV

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

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

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

DAVID RUTH  
CHIEF...MESOSCALE PREDICTION BRANCH  
NATIONAL WEATHER SERVICE  
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 LOWERCASE/:

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

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT  
/USE LOWERCASE/:

[HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM](http://WWW.WEATHER.GOV/OS/NOTIF.HTM)

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