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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...USERS AND 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 LOWER CASE/:

[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 LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/NDFD/OPER IMLEM 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/:

[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 WEBSITE AT /USE LOWER CASE/:

[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 WEBSITE AT /USE LOWER CASE/:

[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 /USE LOWER CASE/:

[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
CHIEF...SCIENCE SUPPORT BRANCH
STORM PREDICTION CENTER
NORMAN OKLAHOMA
PHONE: 405-325-2066
EMAIL: RUSSELL.SCHNEIDER@NOAA.GOV

GREGORY GROSSHANS
METEOROLOGIST
STORM PREDICTION CENTER
NORMAN OKLAHOMA
PHONE: 405-325-2462
EMAIL: 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 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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