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PNSWSH

SERVICE CHANGE NOTICE 06-18...CORRECTED  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
815 AM EDT WED APR 19 2006

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA  
WEATHER WIRE SERVICE /NWWS/ SUBSCRIBERS...  
NOAAPORT SUBSCRIBERS...EMERGENCY MANAGERS WEATHER  
INFORMATION NETWORK /EMWIN/ SUBSCRIBERS...  
FEDERAL AVIATION ADMINISTRATION /FAA/ CUSTOMERS...  
NATIONAL WEATHER SERVICE /NWS/ EMPLOYEES...OTHER NWS  
CUSTOMERS AND PARTNERS

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

SUBJECT: CORRECTED: NEW CONVECTIVE WATCH HAZARD PROBABILITIES  
PRODUCT FROM THE STORM PREDICTION CENTER TO BE ADDED  
TO THE SUITE OF NWS WATCH PRODUCTS FOR CONUS USE  
ONLY: EFFECTIVE APRIL 25 2006

CORRECTED TO SPECIFY THAT THE NEW SPC CONVECTIVE WATCH HAZARD  
PROBABILITIES PRODUCT IS FOR CONUS USE ONLY.

EFFECTIVE TUESDAY APRIL 25 2006 AT 800 AM CENTRAL DAYLIGHT TIME  
/CDT/...1300 UNIVERSAL COORDINATED TIME /UTC/...THE NWS STORM  
PREDICTION CENTER /SPC/ WILL BEGIN OPERATIONAL DISSEMINATION OF  
THE CONVECTIVE WATCH HAZARD PROBABILITIES PRODUCT FOR CONUS USE  
ONLY.

THIS PRODUCT HAS BEEN AVAILABLE FOR PUBLIC COMMENT SINCE JANUARY  
2005 AS AN EXPERIMENTAL PRODUCT ON THE SPC WEB SITE AT /USE  
LOWER CASE LETTERS/:

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

BY SELECTING AN ACTIVE WATCH PRODUCT AND THEN SELECTING THE  
WATCH PROBABILITY TABLES LINK. BASED UPON USER FEEDBACK... THIS  
PRODUCT AND ITS COMPANION TEXT PRODUCT /AWIPS ID: WWP/ WILL  
BECOME OPERATIONAL EFFECTIVE APRIL 25 2006.

CUSTOMERS WHO WISH TO RECEIVE THE WWP PRODUCT SHOULD ADD THE  
COMMUNICATION IDENTIFIER INDICATED BELOW TO THE APPROPRIATE  
DATABASES.

WMO HEADER: WWUS40 KWNS  
AWIPS ID: WWP/0-9/

THIS PRODUCT WILL COMPLEMENT THE OTHER PRODUCTS DISSEMINATED AT  
INITIAL WATCH ISSUANCE. THE SUITE OF CURRENT OPERATIONAL WATCH  
PRODUCTS ISSUED BY THE SPC AT WATCH INITIATION AND THE NEW WWP

PRODUCT ARE AS FOLLOWS:

| PRODUCT                      | WMO HEADING | AWIPS ID |
|------------------------------|-------------|----------|
| AVIATION WATCH               | WWUS30 KWNS | SAW/0-9/ |
| WATCH OUTLINE UPDATE-INITIAL | WOUS64 KWNS | WOU/0-9/ |
| PUBLIC WATCH                 | WWUS20 KWNS | SEL/0-9/ |
| WATCH HAZARD PROBABILITIES   | WWUS40 KWNS | WWP/0-9/ |

ALSO...NWS WEATHER FORECAST OFFICES ISSUE THE WATCH COUNTY NOTIFICATION PRODUCT...WMO HEADER WWUS/4-6/I KCCC...WITH AN AWIPS ID OF WCN/0-9/...AT WATCH INITIATION.

THE NEW WWP PRODUCT CONTAINS TWO SEGMENTS...THE FIRST IS THE PROBABILITY TABLE...WHILE THE SECOND CONTAINS SOME WATCH ATTRIBUTES ALSO CONTAINED IN THE SAW PRODUCT.

THE PROBABILITY TABLE CONSISTS OF PROBABILITY VALUES... HIGHEST IS GREATER THAN 95 PERCENT...LOWEST IS LESS THAN 5 PERCENT... EXCEPT THE PROBABILITY FOR F2-F5 TORNADOES CAN BE AS LOW AS LESS THAN 2 PERCENT. THE PROBABILITIES ARE FORECAST FOR THE FOLLOWING CONDITIONS:

- PROB OF 2 OR MORE TORNADOES
- PROB OF 1 OR MORE STRONG /F2-F5/ TORNADOES
- PROB OF 10 OR MORE SEVERE WIND EVENTS
- PROB OF 1 OR MORE WIND EVENTS GREATER THAN OR EQUAL TO 65 KNOTS
- PROB OF 10 OR MORE SEVERE HAIL EVENTS
- PROB OF 1 OR MORE HAIL EVENTS GREATER THAN OR EQUAL TO 2 INCHES
- PROB OF 6 OR MORE COMBINED SEVERE HAIL/WIND EVENTS

THE ATTRIBUTES TABLE CONTAINS:

- MAX HAIL /INCHES/
- MAX WIND GUSTS SURFACE /KNOTS/
- MAX TOPS /X 100 FEET/
- MEAN STORM MOTION VECTOR /DEGREES AND KNOTS/
- PARTICULARLY DANGEROUS SITUATION /YES OR NO/

ALSO PROVIDED IS A REFERENCE TO THE WATCH OUTLINE UPDATE PRODUCT /WOU/ CONTAINING THE VALID TIME OF THE WATCH AND INITIAL COUNTY LISTING VIA THE AWIPS ID FOR THE WOU.

PLEASE NOTE...THIS PRODUCT WILL BE ISSUED AS A TEST MESSAGE ALONG WITH TEST WATCHES. IN THAT INSTANCE...THE WORD TEST WILL BE CONTAINED IN THE MASS NEWS DISSEMINATOR HEADLINE...THE PROBABILITY VALUES WILL BE ZERO PERCENT...AND THE WATCH NUMBER WILL BE GREATER THAN 9000.

THE WWP PRODUCT WILL BE DISSEMINATED AT THE SAME TIME AS THE SEL PRODUCT.

AN EXAMPLE OF A WWP PRODUCT IS SHOWN BELOW IN TABLE 1. TABLE 2 BELOW IS A GENERIC WWP PRODUCT TEMPLATE INDICATING THE VARIOUS

POSSIBILITIES.

TABLE 1: EXAMPLE OF THE HAZARD WATCH PROBABILITIES PRODUCT FOR A PARTICULARLY DANGEROUS SITUATION /PDS/ TORNADO WATCH.

WWUS40 KWNS DDHHMM  
WWP7

TORNADO WATCH PROBABILITIES FOR WT 0987  
NWS STORM PREDICTION CENTER NORMAN OK  
1235 PM CDT THU JUL 28 2005

WT 987 PDS

PROBABILITY TABLE:

PROB OF 2 OR MORE TORNADOES : >95%  
PROB OF 1 OR MORE STRONG /F2-F5/ TORNADOES : 25%  
PROB OF 10 OR MORE SEVERE WIND EVENTS : 60%  
PROB OF 1 OR MORE WIND EVENTS >= 65 KNOTS : 30%  
PROB OF 10 OR MORE SEVERE HAIL EVENTS : 50%  
PROB OF 1 OR MORE HAIL EVENTS >= 2 INCHES : 40%  
PROB OF 6 OR MORE COMBINED SEVERE HAIL/WIND EVENTS : 80%

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ATTRIBUTE TABLE:

MAX HAIL /INCHES/ : 2.5  
MAX WIND GUSTS SURFACE /KNOTS/ : 75  
MAX TOPS /X 100 FEET/ : 550  
MEAN STORM MOTION VECTOR /DEGREES AND KNOTS/ : 27030  
PARTICULARLY DANGEROUS SITUATION : YES

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FOR A COMPLETE GEOGRAPHICAL DEPICTION OF THE WATCH AND WATCH EXPIRATION INFORMATION SEE WOUS64 KWNS FOR WOU7.

END OF TABLE 1

TABLE 2: TEMPLATE FOR THE WATCH HAZARD PROBABILITIES PRODUCT

WWUS40 KWNS DDHHMM  
WWP#

TORNADO|SEVERE THUNDERSTORM WATCH PROBABILITIES FOR WT|WS #####  
NWS STORM PREDICTION CENTER NORMAN OK  
##### AM|PM TIMEZONE DAYOFWEEK MON DD YYYY

WT|WS ##### /PDS/

PROBABILITY TABLE:

PROB OF 2 OR MORE TORNADOES : >95%  
PROB OF 1 OR MORE STRONG /F2-F5/ TORNADOES : <02%  
PROB OF 10 OR MORE SEVERE WIND EVENTS : 60%  
PROB OF 1 OR MORE WIND EVENTS >= 65 KNOTS : 30%  
PROB OF 10 OR MORE SEVERE HAIL EVENTS : 50%  
PROB OF 1 OR MORE HAIL EVENTS >= 2 INCHES : 40%  
PROB OF 6 OR MORE COMBINED SEVERE HAIL/WIND EVENTS : <05%

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ATTRIBUTE TABLE:

MAX HAIL /INCHES/ : 2.5  
MAX WIND GUSTS SURFACE /KNOTS/ : 75  
MAX TOPS /X 100 FEET/ : 550  
MEAN STORM MOTION VECTOR /DEGREES AND KNOTS/ : 27030  
PARTICULARLY DANGEROUS SITUATION : YES|NO

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FOR A COMPLETE GEOGRAPHICAL DEPICTION OF THE WATCH AND  
WATCH EXPIRATION INFORMATION SEE WOUS64 KWNS FOR WOU#.

END OF TABLE 2

ALTHOUGH THIS NOTIFICATION IS LESS THAN THE REQUIRED 30 DAYS AS  
SPECIFIED BY NWSI 10-102 AND NWSI 10-1805...THE NEW PRODUCT  
SUPPORTS MORE EFFICIENT SERVICES FOR THE PROTECTION OF LIFE AND  
PROPERTY. THE TIMING OF THIS CHANGE WAS CHOSEN SO THAT IT WOULD  
BECOME EFFECTIVE NEAR THE START OF THE CONVECTIVE WEATHER  
SEASON.

ADDITIONAL INFORMATION ON SPC PRODUCTS CAN BE FOUND IN THE NWS  
DIRECTIVE 10-512 LOCATED AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/DIRECTIVES/SYM/PD01005012CURR.PDF](http://www.nws.noaa.gov/directives/sym/pd01005012curr.pdf)

IF YOU HAVE ANY QUESTIONS...PLEASE CONTACT:

|  |  |
|--|--|
| DR. RUSSELL SCHNEIDER  | GREGORY GROSSHANS  |
| CHIEF SCIENCE SUPPORT BRANCH   | METEOROLOGIST  |
| STORM PREDICTION CENTER  | STORM PREDICTION CENTER  |
| 1313 HALLEY CIRCLE   | 1313 HALLEY CIRCLE   |
| NORMAN OK 73071  | NORMAN OK 73071  |
| 405-579-0704   | 405-579-0720   |
| <a href="mailto:RUSSELL.SCHNEIDER@NOAA.GOV">RUSSELL.SCHNEIDER@NOAA.GOV</a> | <a href="mailto:GREGORY.GROSSHANS@NOAA.GOV">GREGORY.GROSSHANS@NOAA.GOV</a> |

THIS AND OTHER NWS SERVICE CHANGE NOTICES ARE AVAILABLE ONLINE  
AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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