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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 /NWS/ SUBSCRIBERS  
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/  
SUBSCRIBERS  
NOAAPORT SUBSCRIBERS  
OTHER NWS CUSTOMERS...PARTNERS AND EMPLOYEES

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 CONTIGUOUS U.S. /CONUS/ USE ONLY.

EFFECTIVE TUESDAY APRIL 25 2006 AT 800 AM CENTRAL DAYLIGHT TIME  
/CDT/...1300 COORDINATED UNIVERSAL 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/:

[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 /ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM  
/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.

WORLD METEOROLOGICAL ORGANIZATION /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 TWO PERCENT. THE PROBABILITIES ARE FORECAST FOR THE FOLLOWING CONDITIONS:

PROB OF TWO OR MORE TORNADOES  
PROB OF ONE OR MORE STRONG /F2-F5/ TORNADOES  
PROB OF 10 OR MORE SEVERE WIND EVENTS  
PROB OF ONE OR MORE WIND EVENTS GREATER THAN OR EQUAL TO 65 KNOTS  
PROB OF 10 OR MORE SEVERE HAIL EVENTS  
PROB OF ONE OR MORE HAIL EVENTS GREATER THAN OR EQUAL TO TWO INCHES  
PROB OF SIX 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 DDHMM  
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 DDHMM  
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 NWS INSTRUCTION /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/:

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

IF YOU HAVE ANY QUESTIONS...PLEASE CONTACT:

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GREGORY GROSSHANS  
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NATIONAL SERVICE CHANGE NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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