

NOUS41 KWBC 131720
PNSWSH

SERVICE CHANGE NOTICE 06-18
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
123 PM EDT THU APR 13 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: NEW CONVECTIVE WATCH HAZARD PROBABILITIES PRODUCT FROM
THE STORM PREDICTION CENTER /SPC/ TO BE ADDED TO THE
SUITE OF NWS WATCH PRODUCTS: EFFECTIVE APRIL 25 2006

EFFECTIVE TUESDAY APRIL 25 2006 AT 800 AM CENTRAL DAYLIGHT TIME
/CDT/...1300 UNIVERSAL COORDINATED TIME /UTC/...THE SPC WILL
BEGIN OPERATIONAL DISSEMINATION OF THE CONVECTIVE WATCH HAZARD
PROBABILITIES PRODUCT.

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/4-6/1 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. 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/
- PARTICULARY 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 PARTICULARY 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

&&
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
RUSSELL.SCHNEIDER@NOAA.GOV	GREGORY.GROSSHANS@NOAA.GOV

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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