

NOUS41 KWBC 251255
PNSWSH

SERVICE CHANGE NOTICE 08-08
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
756 AM EST MON FEB 25 2008

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

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

SUBJECT: DISSEMINATION OF AREAL OUTLINE PRODUCT FOR STORM
PREDICTION CENTER DAY 4-8 CONVECTIVE OUTLOOK:
EFFECTIVE MARCH 25 2008

EFFECTIVE TUESDAY MARCH 25 2008 AT 0400 AM CENTRAL DAYLIGHT TIME
/CDT/...0900 COORDINATED UNIVERSAL TIME /UTC/...THE NWS STORM
PREDICTION CENTER /SPC/ WILL START DISSEMINATING THE DAY 4-8
CONVECTIVE OUTLOOK AREAL OUTLINE PRODUCT /AWIPS ID: PTSD48/. THIS
PRODUCT IS FOR CONUS USE ONLY.

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

PRODUCT	WMO HEADER	AWIPS ID
DAY 4-8 CONVECTIVE OUTLOOK AREAL OUTLINE	WUUS48 KWNS	PTSD48

THIS PRODUCT WILL COMPLEMENT THE OTHER SPC CONVECTIVE OUTLOOK
AREAL OUTLINE PRODUCTS. THE CURRENT SUITE OF CONVECTIVE OUTLOOK
PRODUCTS ISSUED BY THE SPC INCLUDING THE NEW PTSD48 PRODUCT ARE:

PRODUCT	WMO HEADING	AWIPS ID
DAY 1 CONVECTIVE OUTLOOK	ACUS01 KWNS	SWODY1
DAY 1 REDBOOK GRAPHIC	PGWE46 KWNS	/NONE/
DAY 1 OUTLOOK AREAL OUTLINE	WUUS01 KWNS	PTSDY1
DAY 2 CONVECTIVE OUTLOOK	ACUS02 KWNS	SWODY2
DAY 2 REDBOOK GRAPHIC	PGWI47 KWNS	/NONE/
DAY 2 OUTLOOK AREAL OUTLINE	WUUS02 KWNS	PTSDY2
DAY 3 CONVECTIVE OUTLOOK	ACUS03 KWNS	SWODY3
DAY 3 REDBOOK GRAPHIC	PGWK48 KWNS	/NONE/
DAY 3 OUTLOOK AREAL OUTLINE	WUUS03 KWNS	PTSDY3
DAY 4-8 CONVECTIVE OUTLOOK	ACUS48 KWNS	SWOD48
DAY 4-8 REDBOOK GRAPHIC	PGNM98 KWNS	/NONE/
DAY 4-8 OUTLOOK AREAL OUTLINE	WUUS48 KWNS	PTSD48

THE NEW DAY 4-8 OUTLOOK AREAL OUTLINE PRODUCT CONTAINS LATITUDE

AND LONGITUDE POINTS DESCRIBING THE AREAS DISCUSSED IN THE DAY
4-8 CONVECTIVE OUTLOOK PRODUCT AND DEPICTED IN THE DAY 4-8
REDBOOK GRAPHIC PRODUCT.

LAT/LON VALUES IN THE PRODUCT ARE IN DECIMAL DEGREES. FOR EXAMPLE
34760394 IS 34.76N AND 103.94W. NOTE: THE LONGITUDE VALUES ARE
CODED AS FOUR DIGITS...SO POINTS WEST OF 99.99W ARE CODED WITH
THE HUNDREDS DIGIT REMOVED...THAT IS THE NUMBER ONE /1/ IS NOT
INCLUDED. IF AN AREA IS CLOSED...THE FIRST AND LAST LAT/LON
POINTS ARE THE SAME. ONLY DEFINED AREAS ARE LISTED.

IF THE POTENTIAL OR PREDICTABILITY FOR SEVERE THUNDERSTORMS IS
TOO LOW FOR A GIVEN DAY...NO AREAL OUTLINE IS LISTED FOR THAT
DAY. IF THE POTENTIAL OR PREDICTABILITY FOR SEVERE THUNDERSTORMS
IS TOO LOW FOR THE ENTIRE 4 TO 8 DAY PERIOD...NO AREAL OUTLINE IS
INCLUDED IN THE PRODUCT.

TWO EXAMPLES OF THE PTSD48 PRODUCT ARE SHOWN BELOW:

EXAMPLE 1

DAY 4-8 CONVECTIVE OUTLOOK AREAL OUTLINE
NWS STORM PREDICTION CENTER NORMAN OK
0409 AM CDT FRI JUN 29 2007

VALID TIME 021200Z - 071200Z

SEVERE WEATHER OUTLOOK POINTS DAY 4-8
... ANY SEVERE ...

D6 43738110 41628135 39388310 38558585 38499110 39439365
40109439 41409470 43099400 45318996 46248525
D7 45377505 43397287 41357249 39727395 38537638 37688426
38198516 40098507 42068280 43278023
D4-5 47448528 43528843 42169294 42639686 44470047 45540446
46920612 49600691

EXAMPLE 1 ABOVE INDICATES THE VALID TIME OF THE PRODUCT IS FROM
1200 UTC ON JULY 2 THROUGH 1200 UTC ON JULY 7. IN THIS EXAMPLE
THERE ARE 3 AREAS. THE COMBINED DAYS ARE LISTED LAST...D4-5 IN
THE EXAMPLE. DAY 8 IS NOT LISTED SINCE THE POTENTIAL OR
PREDICTABILITY FOR SEVERE THUNDERSTORMS IS TOO LOW ON DAY 8.

EXAMPLE 2

DAY 4-8 CONVECTIVE OUTLOOK AREAL OUTLINE
NWS STORM PREDICTION CENTER NORMAN OK
0417 AM CST THU JAN 17 2008

VALID TIME 201200Z - 251200Z

SEVERE WEATHER OUTLOOK POINTS DAY 4-8
... ANY SEVERE ...

IN EXAMPLE 2 THE POTENTIAL OR PREDICTABILITY FOR SEVERE THUNDERSTORMS IS TOO LOW FOR THE ENTIRE 4 TO 8 DAY PERIOD AND NO AREAL OUTLINES ARE INCLUDED.

TO FURTHER ILLUSTRATE DECODING THE LAT/LON POINTS...THE DAY 6 AREA FROM EXAMPLE 1 HAS THE FOLLOWING LAT/LON POINTS:

D6 43738110 41628135 39388310 38558585 38499110 39439365
40109439 41409470 43099400 45318996 46248525

WHICH CAN BE DECODED AS:

43.73N 81.10W
41.62N 81.35W
39.38N 83.10W
38.55N 85.85W
38.49N 91.10W
39.43N 93.65W
40.10N 94.39W
41.40N 94.70W
43.09N 94.00W
45.31N 89.96W
46.24N 85.25W

NOTE...THE LAST POINT IS NOT THE SAME AS THE FIRST POINT AND INDICATES THE AREA IS NOT A CLOSED AREA AND ENDS AT THE CANADIAN BORDER.

THE FORMAT OF THIS PRODUCT IS SIMILAR TO THE SPC CONVECTIVE OUTLOOK AREAL OUTLINE PRODUCTS:

WUUS01 KWNS PTSDY1
WUUS02 KWNS PTSDY2
WUUS03 KWNS PTSDY3

THIS PRODUCT IS A REPACKAGING OF EXISTING DAY 4-8 CONVECTIVE OUTLOOK INFORMATION IN A MORE MACHINE READABLE FORMAT. ADDITIONAL INFORMATION ON SPC PRODUCTS CAN BE FOUND IN NWS INSTRUCTION 10-512 /NATIONAL SEVERE WEATHER PRODUCTS SPECIFICATION/ AT /USE LOWER CASE LETTERS/:

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

FOR QUESTIONS...PLEASE CONTACT:

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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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