

NOUS41 KWBC 141133
PNSWSH

SERVICE CHANGE NOTICE 06-19
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
735 AM EDT FRI APR 14 2006

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

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

SUBJECT: NEW FIRE WEATHER OUTLOOK AREAL OUTLINE PRODUCTS FROM
STORM PREDICTION CENTER /SPC/: EFFECTIVE MAY 2 2006

EFFECTIVE TUESDAY MAY 2 2006 AT 0400 AM CENTRAL DAYLIGHT
TIME /CDT/...0900 UNIVERSAL COORDINATED TIME /UTC/...THE NWS SPC
WILL BEGIN OPERATIONAL DISSEMINATION OF THE FIRE WEATHER OUTLOOK
AREAL OUTLINE PRODUCTS /AWIPS ID: PFW/.

CUSTOMERS WHO WISH TO RECEIVE THESE PRODUCTS SHOULD ADD THE
COMMUNICATION IDENTIFIER INDICATED BELOW TO THE APPROPRIATE
DATABASES.

PRODUCT	WMO	AWIPS
	HEADER	ID

DAY 1 FIRE WEATHER OUTLOOK AREAL OUTLINE	FNUS31 KWNS	PFWFD1
DAY 2 FIRE WEATHER OUTLOOK AREAL OUTLINE	FNUS32 KWNS	PFWFD2

THESE PRODUCTS WILL COMPLEMENT THE OTHER SPC FIRE WEATHER
OUTLOOK PRODUCTS DISSEMINATED AT FIRE WEATHER OUTLOOK ISSUANCE
TIME: 0900 UTC. THE CURRENT SUITE OF FIRE WEATHER PRODUCTS
ISSUED BY THE SPC INCLUDING THE NEW PFW PRODUCTS ARE AS FOLLOWS:

PRODUCT	WMO HEADING	AWIPS ID
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DAY 1 FIRE WEATHER OUTLOOK	FNUS21 KWNS	FWDDY1
DAY 1 REDBOOK GRAPHIC	PMWE98 KWNS	RBGF1
DAY 1 OUTLOOK AREAL OUTLINE	FNUS31 KWNS	PFWFD1
DAY 2 FIRE WEATHER OUTLOOK	FNUS22 KWNS	FWDDY2
DAY 2 REDBOOK GRAPHIC	PMWI98 KWNS	RBGF2
DAY 2 OUTLOOK AREAL OUTLINE	FNUS32 KWNS	PFWFD2

THE NEW PFW PRODUCTS CONTAIN LATITUDE AND LONGITUDE POINTS
DESCRIBING THE FIRE WEATHER OUTLOOK AREAS DISCUSSED IN THE
FWDDY1 AND FWDDY2 PRODUCTS AND DEPICTED IN THE RBGF1 AND RBGF2
REDBOOK GRAPHIC PRODUCTS.

AREAL OUTLINES IN THE NEW PFW PRODUCTS DEPICT THE FOLLOWING AREAS:

DTSM: DRY THUNDERSTORM AREA
CRIT: CRITICAL FIRE WEATHER AREA
EXTM: EXTREMELY CRITICAL FIRE WEATHER AREA

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. THE NUMBER ONE /1/ IS NOT INCLUDED. IF AN AREA IS CLOSED... THE FIRST AND LAST LAT/LON POINTS ARE THE SAME.

AN EXAMPLE OF THE PFWFD1 PRODUCT IS SHOWN BELOW IN TABLE 1.

TABLE 1: EXAMPLE OF A DAY 1 FIRE WEATHER OUTLOOK AREAL OUTLINE.

FNUS31 KWNS 061000
PFWFD1

DAY 1 FIRE WEATHER OUTLOOK AREAL OUTLINE
NWS STORM PREDICTION CENTER NORMAN OK
0400 AM CST MON FEB 06 2006

VALID TIME 061200Z - 071200Z

FIRE WEATHER OUTLOOK POINTS DAY 1

...FIRE WEATHER CATEGORICAL...

DTSM 34760394 35429980 32579686 31579738 30890159 31380521
31450532 34760394

DTSM 38061869 38711290 38820893 37090729 35820722 34490794
34190873 34241191 34791307 35471550 35621730 35741834
38061869

DTSM 44038447 40198091 40378875 44038447

CRIT 47181946 48621458 46671000 44540919 42031228 41681509
42181694 43611904 44832029 47181946

EXTM 47060720 49270295 46809269 44049248 41139643 40680170
41310586 43620704 47060720

EXTM 35858141 33657866 30518114 31058413 34348565 35668448
35858141

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END OF EXAMPLE

THE ABOVE EXAMPLE INDICATES THE VALID TIME OF THE PRODUCT IS FROM 1200 UTC ON FEB 6 THROUGH 1200 UTC ON FEB 7. THERE ARE 3 AREAS DEPICTED FOR DRY THUNDERSTORMS /DTSM/...ONE AREA DEPICTED FOR CRITICAL FIRE WEATHER /CRIT/...AND TWO AREAS DEPICTED FOR EXTREMELY CRITICAL FIRE WEATHER /EXTM/.

TO FURTHER ILLUSTRATE DECODING THE LAT/LON POINTS...THE FIRST

DRY THUNDERSTORM AREA HAS THE FOLLOWING LAT/LON POINTS:

DTSM 34760394 35429980 32579686 31579738 30890159 31380521
31450532 34760394

WHICH CAN BE DECODED AS:

34.76N 103.94W
35.42N 99.80W
32.57N 96.86W
31.57N 97.38W
30.89N 101.59W
31.38N 105.21W
31.45N 105.32W
34.76N 103.94W

NOTE: THE LAST POINT IS THE SAME AS THE FIRST POINT AND INDICATES A CLOSED AREA.

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

WUUS01 KWNS PTSDY1
WUUS02 KWNS PTSDY2
WUUS03 KWNS PTSDY3

ALTHOUGH THIS NOTIFICATION IS LESS THAN THE REQUIRED 120 DAYS AS SPECIFIED BY NWSI 10-1805...THE NEW AWIPS PRODUCT...WHICH IS A REPACKAGING OF EXISTING FIRE WEATHER AREAL OUTLOOK INFORMATION IN A MORE READABLE FORMAT...HAS BEEN SPECIFICALLY REQUESTED BY SEVERAL FIRE WEATHER USERS. SINCE WHAT MAY BE AN ESPECIALLY BUSY FIRE WEATHER SEASON HAS ALREADY BEGUN...IT IS CRITICAL TO GET THIS INFORMATION OUT TO USERS IN A MORE READABLE FORMAT. ADDITIONAL INFORMATION ON SPC PRODUCTS CAN BE FOUND IN THE NWS DIRECTIVES 10-512 AND 10-401 LOCATED AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/DIRECTIVES/SYM/PD01004001CURR.PDF](http://www.nws.noaa.gov/directives/sym/pd01004001curr.pdf)
[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
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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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