

NOUS41 KWBC 181746
PNSWSH

SERVICE CHANGE NOTICE 05-38
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
145 PM EDT TUE OCT 18 2005

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

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

SUBJECT: REMOVAL OF OBSOLETE LATITUDE/LONGITUDE INFORMATION
FROM THE STORM PREDICTION CENTER PUBLIC WATCH PRODUCT
/SEL/ AND ADDITION OF ENHANCED LATITUDE/LONGITUDE
INFORMATION IN THE AVIATION WATCH PRODUCT /SAW/:
EFFECTIVE FEBRUARY 14 2006

EFFECTIVE TUESDAY FEBRUARY 14 2006 AT 800 AM CENTRAL STANDARD
TIME /CST/...900 AM EASTERN STANDARD TIME /EST/...1400 UNIVERSAL
COORDINATED TIME /UTC/...NWS WILL MAKE CHANGES TO ITS PUBLIC WATCH
PRODUCT /SEL/ AND AVIATION WATCH PRODUCT /SAW/. LATITUDE AND
LONGITUDE INFORMATION AT THE BOTTOM OF THE SPC PUBLIC WATCH
PRODUCT...WWUS20 KWNS SELX /X REPRESENT A NUMBER/...WILL BE
REMOVED. ENHANCED LATITUDE AND LONGITUDE INFORMATION WILL BE ADDED
NEAR THE BOTTOM OF THE SPC AVIATION WATCH PRODUCT...WWUS30 KWNS
SAWX /X REPRESENT A NUMBER/.

CUSTOMERS WHO BEGIN USING THE LAT-LON INFORMATION IN THE SAW
PRODUCT COULD AT A LATER TIME STOP USING THE SPC WATCH ANCHOR
POINTS OR VHF OMNI-DIRECTIONAL RANGE /VOR/ POINTS TO DECODE OR
PROCESS THE WATCH. BY PROCESSING LAT-LON DATA...INSTEAD OF THE
ANCHOR POINTS OR VOR POINTS... CUSTOMERS DO NOT HAVE TO KEEP THE
WATCH ANCHOR POINTS OR VOR POINTS DATABASE IN SYNC WITH THE NWS
DATABASE.

AN EXAMPLE OF A PUBLIC WATCH PRODUCT FOLLOWS IN TABLE 1. AN
EXAMPLE OF LATITUDE AND LONGITUDE FORMAT AND LOCATION IN THE SAW
PRODUCT FOLLOWS IN TABLE 2.

TABLE 1. AN EXAMPLE OF THE CURRENT FORMAT OF THE SEL PRODUCT. THE
FUTURE SEL PRODUCT WILL NOT CONTAIN THE FOLLOWING LINE:

;370,1030 395,0992 395,0970 370,1005;

WWUS20 KWNS 171510
SEL4

SPC WW 171510
COZ000-KSZ000-172300-

URGENT - IMMEDIATE BROADCAST REQUESTED
SEVERE THUNDERSTORM WATCH NUMBER 1234
NWS STORM PREDICTION CENTER NORMAN OK
1010 AM CDT MON OCT 17 2005

THE NWS STORM PREDICTION CENTER HAS ISSUED A
SEVERE THUNDERSTORM WATCH FOR PORTIONS OF

COLORADO
KANSAS

EFFECTIVE THIS MONDAY MORNING AND EVENING FROM 1010 AM UNTIL
600 PM CDT.

HAIL TO 2 INCHES IN DIAMETER...THUNDERSTORM WIND GUSTS TO 70
MPH...AND DANGEROUS LIGHTNING ARE POSSIBLE IN THESE AREAS.

THE SEVERE THUNDERSTORM WATCH AREA IS APPROXIMATELY ALONG AND 60
STATUTE MILES EAST AND WEST OF A LINE FROM 55 MILES WEST OF
LIBERAL KANSAS TO 80 MILES NORTH NORTHEAST OF RUSSELL KANSAS. FOR
A COMPLETE DEPICTION OF THE WATCH SEE THE ASSOCIATED WATCH OUTLINE
UPDATE (WOUS64 KWNS WOU4).

REMEMBER...A SEVERE THUNDERSTORM WATCH MEANS CONDITIONS ARE
FAVORABLE FOR SEVERE THUNDERSTORMS IN AND CLOSE TO THE WATCH AREA.
PERSONS IN THESE AREAS SHOULD BE ON THE LOOKOUT FOR THREATENING
WEATHER CONDITIONS AND LISTEN FOR LATER STATEMENTS AND POSSIBLE
WARNINGS. SEVERE THUNDERSTORMS CAN AND OCCASIONALLY DO PRODUCE
TORNADOES.

DISCUSSION...FORECASTER DISCUSSION WOULD GO HERE.

AVIATION...A FEW SEVERE THUNDERSTORMS WITH HAIL SURFACE AND ALOFT
TO 2 INCHES. EXTREME TURBULENCE AND SURFACE WIND GUSTS TO 60
KNOTS. A FEW CUMULONIMBI WITH MAXIMUM TOPS TO 500. MEAN STORM
MOTION VECTOR 24035.

...SPC

;370,1030 395,0992 395,0970 370,1005;

END OF EXAMPLE

TABLE 2. BELOW IS AN EXAMPLE SAW PRODUCT WITH LAT-LON DATA
EFFECTIVE FEBRUARY 14 2006. /THE CURRENT SAW FORMAT DOES NOT
INCLUDE THE LAT-LON LINE/.

WWUS30 KWNS 171510
SAW4

SPC AWW 171510
WW 1234 SEVERE TSTM CO KS 171510Z - 172300Z
AXIS..60 STATUTE MILES EAST AND WEST OF LINE..
55W LBL/LIBERAL KS/ - 80NNE RSL/RUSSELL KS/
..AVIATION COORDS.. 50NM E/W /48W LBL - 67NNW SLN/
HAIL SURFACE AND ALOFT..2 INCHES. WIND GUSTS..60 KNOTS.
MAX TOPS TO 500. MEAN STORM MOTION VECTOR 24035.

LAT...LON 37020305 39929936 39929711 37020088

THIS IS AN APPROXIMATION TO THE WATCH AREA. FOR A COMPLETE
DEPICTION OF THE WATCH SEE WOUS64 KWNS FOR WOU4.

END OF EXAMPLE.

THE LATITUDE AND LONGITUDE DEPICT THE SAME INFORMATION AS THE
WATCH ANCHOR POINT AND VOR DEPICTION OF THE PARALLELOGRAM WATCH
AREA. PLEASE NOTE THE AREA DEPICTED BY THE LAT-LON...ANCHOR
POINTS...AND VOR POINTS IS A COARSE APPROXIMATION OF THE WATCH
AREA. THE ACTUAL WATCH AREA IS DEFINED IN THE WATCH OUTLINE
UPDATE PRODUCT...WOUS64 KWNS WOUX /X REPRESENT A NUMBER/.

THE LAT-LON DATA FORMAT IS SIMILAR TO THE SPC PTSDY1...PTSDY2 AND
PTSDY3 PRODUCTS. IF THE LONGITUDE IS GREATER THAN OR EQUAL TO 100
THEN THE VALUE HAS THE 1 /ONE/ TRUNCATED/REMOVED AND THE REMAINDER
OF THE VALUE IS PLACED IN THE PRODUCT. FOUR DIGITS REPRESENT EACH
LATITUDE AND LONGITUDE TO THE HUNDREDTHS OF A DEGREE DECIMAL.

IF FEBRUARY 14 IS A CRITICAL WEATHER DAY... THE CHANGE WILL BE
DELAYED FOR 24 HOURS.

CUSTOMERS MUST TAKE APPROPRIATE ACTION IF THEY CURRENTLY DECODE
THE LAT-LON INFORMATION AT THE BOTTOM OF THE WWUS20 KWNS SELX /X
REPRESENT A NUMBER/ PRODUCT...OR CURRENTLY DECODE THE SAW PRODUCT.

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/010/PD01005012.PDF](http://www.nws.noaa.gov/directives/010/PD01005012.pdf)

IF YOU HAVE QUESTIONS...PLEASE CONTACT:

MARK TEW	GREGORY GROSSHANS
NATIONAL WEATHER SERVICE	STORM PREDICTION CENTER
1325 EAST WEST HIGHWAY	NATIONAL WEATHER SERVICE
SILVER SPRING MD 20910	1313 HALLEY CIRCLE
301-713-1867 EXT.103	NORMAN OK 70707
MARK.TEW@NOAA.GOV	405-579-0720
	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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