

NOUS41 KWBC 181745
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
FEDERAL AVIATION ADMINISTRATION /FAA/ CUSTOMERS
OTHER NWS CUSTOMERS...PARTNERS AND EMPLOYEES

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 COORDINATED UNIVERSAL
TIME /UTC/...NWS WILL MAKE CHANGES TO ITS PUBLIC WATCH PRODUCT /SEL/ AND
AVIATION WATCH PRODUCT /SAW/. LATITUDE AND LONGITUDE /LAT-LON/
INFORMATION AT THE BOTTOM OF THE SPC PUBLIC WATCH PRODUCT...WWUS20 KWNS
SELX /X REPRESENT A NUMBER/...WILL BE REMOVED. ENHANCED LAT/LON
INFORMATION WILL BE ADDED NEAR THE BOTTOM OF THE STORM PREDICTION CENTER
/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 2006 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/:

[HTTP://WWW.NWS.NOAA.GOV/DIRECTIVES/010/PD01005012.PDF](http://www.nws.noaa.gov/directives/010/PD01005012.pdf)

IF YOU HAVE QUESTIONS...PLEASE CONTACT:

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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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