

NOUS41 KWBC 241954  
PNSWSH

SERVICE CHANGE NOTICE 08-45  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
400 PM EDT TUE JUN 24 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: FORMAT CHANGE TO THE LATITUDE/LONGITUDE  
INFORMATION IN STORM PREDICTION CENTER MESOSCALE  
DISCUSSIONS EFFECTIVE OCT 21 2008

EFFECTIVE TUESDAY OCT 21 2008 AT 0800 CENTRAL DAYLIGHT TIME  
/CDT/...1300 COORDINATED UNIVERSAL TIME /UTC/...THE NWS STORM  
PREDICTION CENTER /SPC/ WILL CHANGE THE LATITUDE/LONGITUDE  
INFORMATION IN THE MESOSCALE DISCUSSIONS /AWIPS ID: SWOMCD/...  
FOR CONUS USE ONLY.

THIS CHANGE STANDARDIZES THE FORMAT FOR LATITUDE LONGITUDE DATA  
WITHIN SPC PRODUCTS. AN ADDITIONAL EFFORT TO STANDARDIZE THE  
LATITUDE LONGITUDE FORMAT WITHIN THE NWS IS UNDER CONSIDERATION.

THE FORMAT CHANGE CONSISTS OF TWO ITEMS:

1. THE PHRASE LAT...LON WILL BE LISTED IN FRONT OF THE  
LATITUDE LONGITUDE POINTS CONSISTENT WITH OTHER SPC PRODUCTS  
CONTAINING LATITUDE LONGITUDE DATA.
2. THE LIST OF LATITUDE LONGITUDE POINTS WILL ALWAYS DESCRIBE  
A CLOSED AREA...SO THE LAST POINT LISTED WILL BE THE SAME AS THE  
FIRST POINT LISTED.

AN EXAMPLE OF THE CURRENT SWOMCD PRODUCT FORMAT IS SHOWN BELOW:

EXAMPLE 1:

ACUS11 KWNS 231710  
SWOMCD  
SPC MCD 231710  
FLZ000-231815-

MESOSCALE DISCUSSION 0984  
NWS STORM PREDICTION CENTER NORMAN OK  
1210 PM CDT FRI MAY 23 2008

NARRATIVE TEXT

..SPC.. 05/23/2008

...PLEASE SEE WWW.SPC.NOAA.GOV FOR GRAPHIC PRODUCT...

ATTN...WFO...MFL...MLB...TBW...JAX...

26058012 25718094 26818213 27738262 28948261 28998209  
28748103 26898001 26557996

&&

END OF EXAMPLE 1

AN EXAMPLE OF THE NEW SWOMCD PRODUCT FORMAT AFTER 1300 UTC ON  
OCTOBER 21 2008 IS SHOWN BELOW:

EXAMPLE 2:

ACUS11 KWNS 221710  
SWOMCD  
SPC MCD 221710  
FLZ000-221815-

MESOSCALE DISCUSSION 0984  
NWS STORM PREDICTION CENTER NORMAN OK  
1210 PM CDT WED OCT 22 2008

NARRATIVE TEXT

..SPC.. 10/22/2008

...PLEASE SEE WWW.SPC.NOAA.GOV FOR GRAPHIC PRODUCT...

ATTN...WFO...MFL...MLB...TBW...JAX...

LAT...LON 26058012 25718094 26818213 27738262 28948261  
28998209 28748103 26898001 26557996 26058012

&&

END OF EXAMPLE 2

LATITUDE LONGITUDE VALUES IN THE PRODUCT ARE IN DECIMAL DEGREES.  
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. FOR EXAMPLE...34760394 IS  
DECODED AS 34.76N AND 103.94W.

TO FURTHER ILLUSTRATE DECODING LATITUDE LONGITUDE POINTS...THE  
AREA FROM EXAMPLE 2 HAS THE FOLLOWING LATITUDE LONGITUDE POINTS:

LAT...LON 26058012 25718094 26818213 27738262 28948261

28998209 28748103 26898001 26557996 26058012

WHICH CAN BE DECODED AS:

26.05N 80.12W  
25.71N 80.94W  
26.81N 82.13W  
27.73N 82.62W  
28.94N 82.61W  
28.99N 82.09W  
28.74N 81.03W  
26.89N 80.01W  
26.55N 79.96W  
26.05N 80.12W

NOTE...THE PHRASE LAT...LON PRECEDES THE POINTS AND THE LAST POINT IS THE SAME AS THE FIRST POINT AND INDICATES THE AREA IS A CLOSED AREA.

IF YOU HAVE ANY QUESTIONS...PLEASE CONTACT:

DR. RUSSELL SCHNEIDER	GREGORY GROSSHANS
CHIEF SCIENCE SUPPORT BRANCH	METEOROLOGIST
STORM PREDICTION CENTER	STORM PREDICTION CENTER
120 DAVID L. BOREN BLVD.	120 DAVID L. BOREN BLVD
SUITE 2500	SUITE 2500
NORMAN OK 73072	NORMAN OK 73072
405-325-2462	703-325-2466
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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