

NOUS41 KWBC 242000  
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  
-NOAAPORT  
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 OCTOBER 21 2008

EFFECTIVE TUESDAY OCTOBER 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 /ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM  
/AWIPS/ ID: SWOMCD/...FOR CONTIGUOUS U.S. /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](http://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](http://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:

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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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