


[Site Map](#)
[News Organization](#)

Search for:

☒ SPC

☐ NCEP

☐ All NOAA

Go

 Local forecast by
 "City, St" or "ZIP"

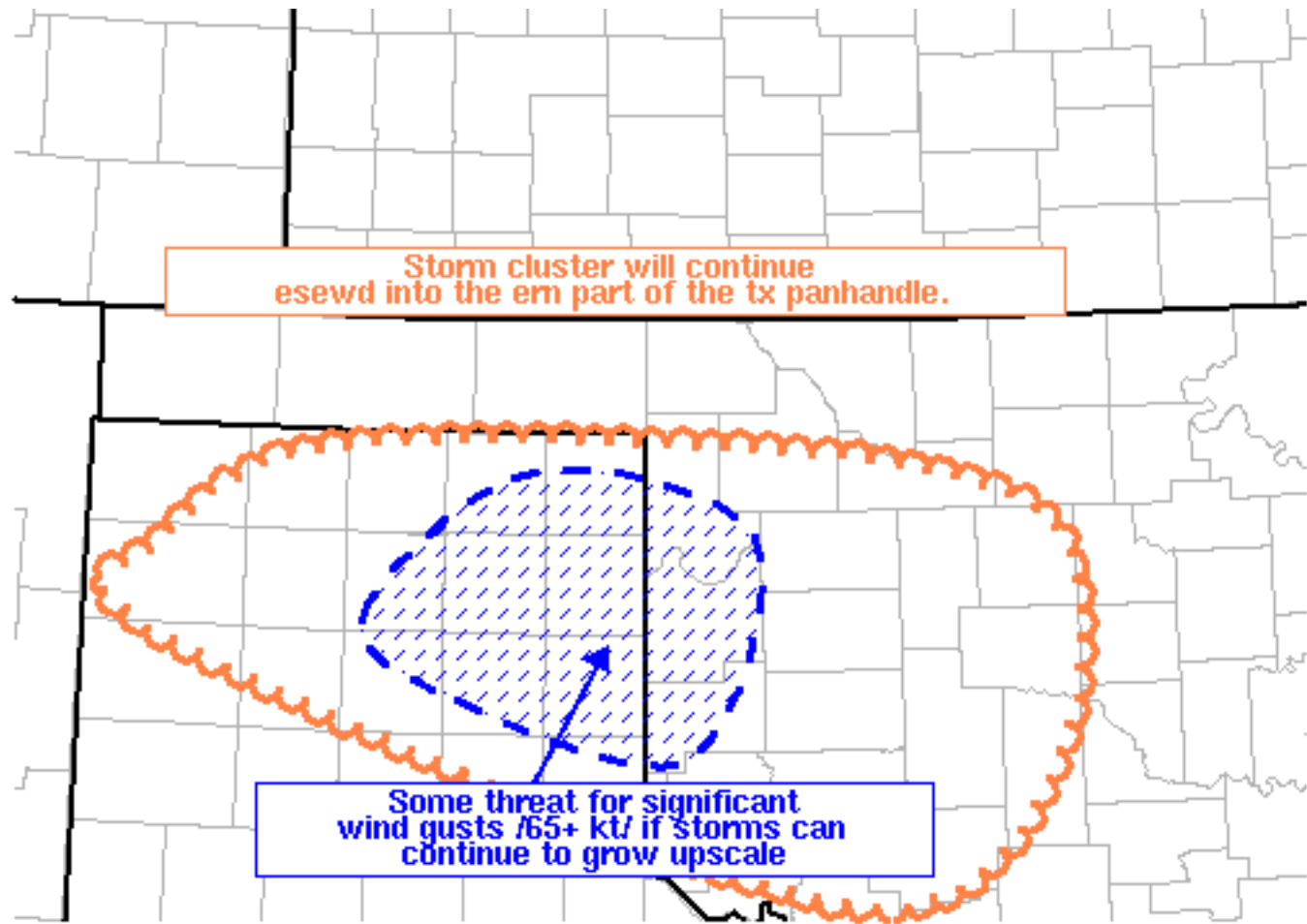
Go

[SPC on Facebook](#)


@NWSSPC

[NCEP Quarterly Newsletter](#)
[Home \(Classic\)](#)
[SPC Products](#)
[All SPC Forecasts](#)
[Current Watches](#)
[Meso. Discussions](#)
[Conv. Outlooks](#)
[Tstm. Outlooks](#)
[Fire Wx Outlooks](#)
[RSS Feeds](#)
[E-Mail Alerts](#)
[Weather Information](#)
[Storm Reports](#)
[Storm Reports Dev.](#)
[NWS Hazards Map](#)
[Watch/Warning Map](#)
[National RADAR](#)
[Product Archive](#)
[NOAA Weather Radio](#)
[Research](#)
[Non-op. Products](#)
[Forecast Tools](#)
[Svr. Tstm. Events](#)
[SPC Publications](#)
[SPC-NSSL HWT](#)
[Education & Outreach](#)
[About the SPC](#)
[SPC FAQ](#)
[About Tornadoes](#)
[About Derechos](#)
[WCM Page](#)
[Enh. Fujita Page](#)
[Our History](#)
[Public Tours](#)
[Misc.](#)
[Staff](#)
[Contact Us](#)
[SPC Feedback](#)

Mesoscale Discussion 635

[< Previous MD](#)
[Next MD >](#)


SPC MCD #0635

MESOSCALE DISCUSSION 0635

NWS STORM PREDICTION CENTER NORMAN OK

0723 PM CDT MON MAY 16 2016

AREAS AFFECTED...N-CNTRL TX PANHANDLE INTO WRN OK

CONCERNING...SEVERE THUNDERSTORM WATCH 176...177...

VALID 170023Z - 170130Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 176...177...CONTINUES.

SUMMARY...A STORM CLUSTER OVER THE NRN TX PANHANDLE WILL CONTINUE TO MOVE ESEWD AND AFFECT PORTIONS OF THE NERN TX PANHANDLE AND EVENTUALLY MOVE INTO WRN OK. A NEW SEVERE THUNDERSTORM WATCH WILL LIKELY BE NEEDED BY 0130-0200Z FOR PORTIONS OF WRN OK.

DISCUSSION...RADAR MOSAIC SHOWS A BAND OF STORMS WITH A FEW SUPERCELLS ON THE SWRN PORTION OF THE CLUSTER OVER THE NRN TX PANHANDLE. SURFACE OBSERVATIONS SHOW TEMPS HAVE RISEN INTO THE

LOWER 70S WITH DEWPOINTS AROUND 60 DEG F. WHILE LOW-LEVEL SHEAR HAS INCREASED THE PAST 1-2 HOURS PER KAMA VAD DATA...UPSCALE GROWTH INTO A LESS-ORGANIZED CONVECTIVE MODE /QUASI-DISCRETE TO LINEAR CLUSTER/ APPEARS UNDERWAY. THE 00Z AMA RAOB SHOWED VERY STEEP H7-H5 LAPSE RATES /8.5 DEG C PER KM/ WITH SELY LOW-LEVEL WINDS VEERING TO AROUND 50 KT AT H5. AS SUCH...THE NEAR-STORM ENVIRONMENT WILL REMAIN FAVORABLE FOR ORGANIZED SEVERE STORMS.

EXPECTING AN UPSCALE GROWTH EVOLUTION TO OCCUR DURING THE NEXT 1-2 HOURS AS STORMS MOVE DOWNSTREAM. FOR ANY STORMS MAINTAINING A CELLULAR STRUCTURE...LARGE HAIL WILL CONTINUE TO BE A THREAT IN ADDITION TO PERHAPS A TORNADO. IF STORMS GROW INTO A WELL-CONNECTED BAND OF CELLULAR STORMS...THE PREDOMINANT THREAT THAT MAY DEVELOP WITH TIME COULD BE MORE WIDESPREAD SEVERE GUST POTENTIAL---BEGINNING IN THE ERN PANHANDLE AND MOVING INTO WRN OK. SEVERE GUSTS POTENTIALLY EXCEEDING 65 KT MAY OCCURRED IF THIS SCENARIO UNFOLDS.

..SMITH.. 05/17/2016

ATTN...WFO...OUN...AMA...

LAT...LON 35590267 35930268 36440153 36139784 34439859 35590267

[Top/All Mesoscale Discussions/Forecast Products/Home](#)

Weather Topics:

[Watches](#), [Mesoscale Discussions](#), [Outlooks](#), [Fire Weather](#), [All Products](#), [Contact Us](#)

NOAA / National Weather Service
National Centers for Environmental Prediction
Storm Prediction Center
120 David L. Boren Blvd.
Norman, OK 73072 U.S.A.
spc.feedback@noaa.gov
Page last modified: May 17, 2016

[Disclaimer](#)
[Information Quality](#)
[Help](#)
[Glossary](#)

[Privacy Policy](#)
[Freedom of Information Act \(FOIA\)](#)
[About Us](#)
[Career Opportunities](#)