



Storm Prediction Center

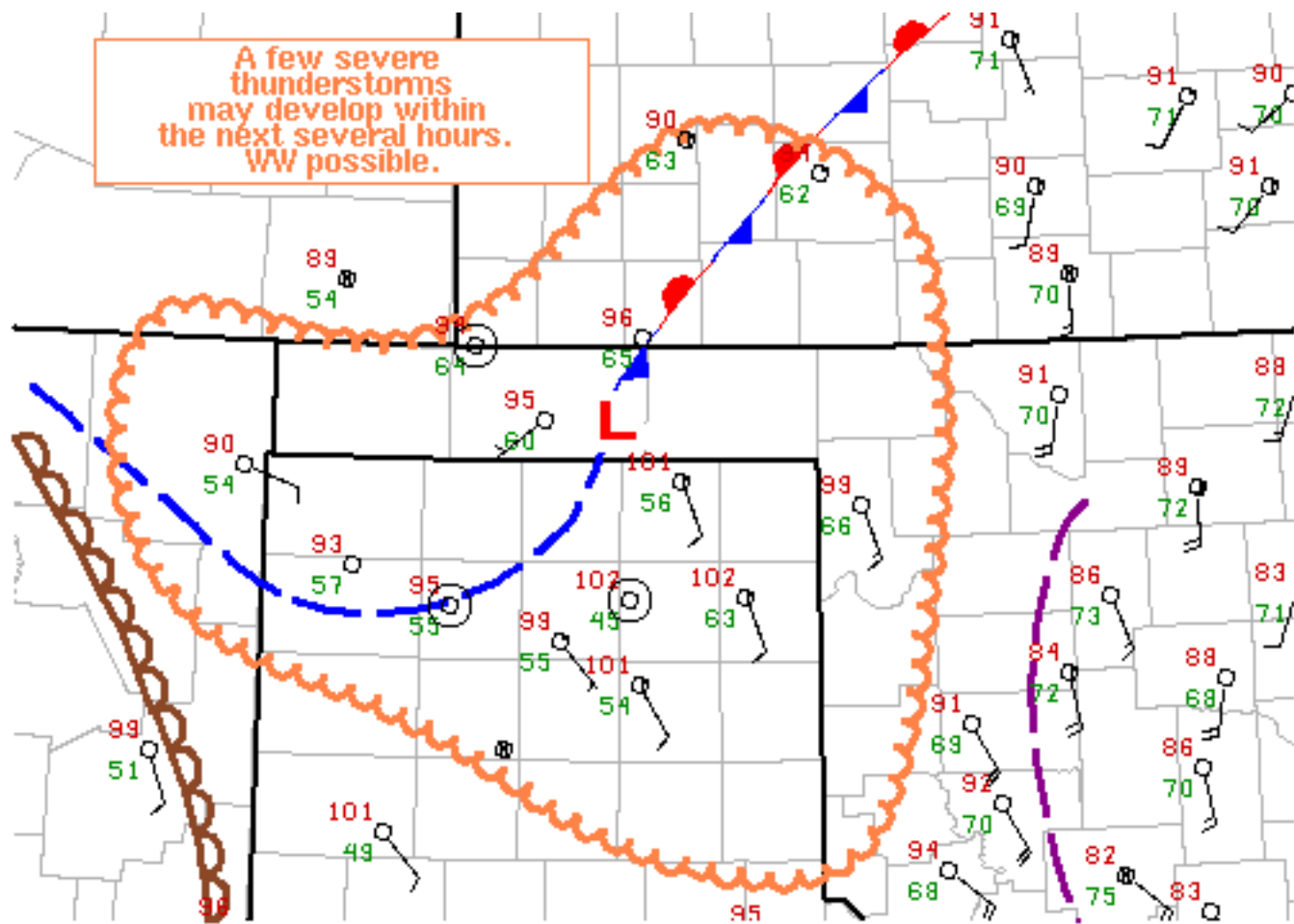

[Site Map](#)
[News Organization](#)
Search for: ☒ SPC☐ NCEP☐ All NOAA
 Local forecast by
 "City, St" or "ZIP"

[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](#)
[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](#)
[Video Lecture Series](#)
[WCM Page](#)
[Enh. Fujita Page](#)
[Our History](#)
[Public Tours](#)
[Misc.](#)
[Staff](#)
[Contact Us](#)
[SPC Feedback](#)

Mesoscale Discussion 714

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

SPC MCD #0714

Mesoscale Discussion 0714

NWS Storm Prediction Center Norman OK

0317 PM CDT Tue Jun 12 2018

Areas affected...Southwest KS...OK/TX Panhandles...Far Northeast NM

Concerning...Severe potential...Watch possible

Valid 122017Z - 122215Z

Probability of Watch Issuance...40 percent

SUMMARY...A few severe thunderstorms may develop within the next several hours. Trends are being monitored for a possible watch.

DISCUSSION...Recent surface analysis places a low just east of GUY in the OK Panhandle. A stationary front extends northeastward from this low into northeast KS while a diffuse trough extends southwestward/westward back to another low near the Raton Mesa. Surface convergence is increasing east of this low (and attendant surface boundaries) across the northeast TX Panhandle and eastern OK

Panhandle. This convergence is occurring amidst strong daytime heating and boundary-layer mixing, with surface temperatures across the region currently in the upper 90s/low 100s. Steep mid-level lapse rates atop these warm and moist conditions is resulting in strong instability (i.e. MLCAPE over 2500 J/kg). Modest instability extends back west to the Raton Mesa, where storms are developing across the higher terrain.

According to mesoanalysis and modified RAP soundings, heating and mixing has eroded any convective inhibition, evidenced by the increasingly agitated cumulus field across the area. Continued attempts at convective initiation are expected to eventually result in the development of a few thunderstorms, primarily across the eastern TX/OK Panhandles. Isolated large hail and/or strong downburst winds are the primary severe threat.

Uncertainty regarding severe storm coverage given modest deep-layer shear currently precludes higher watch probabilities but convective trends will be monitored closely.

..Mosier/Nauslar/Grams.. 06/12/2018

...Please see www.spc.noaa.gov for graphic product...

ATTN...WFO...OUN...DDC...AMA...PUB...ABQ...

LAT...LON 37129937 37479946 37849995 37970052 37930073 37840092
 37630119 37130182 36970252 37090359 36430381 35760333
 35340213 34790092 34829980 36299937 37129937

[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: June 12, 2018

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

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