

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

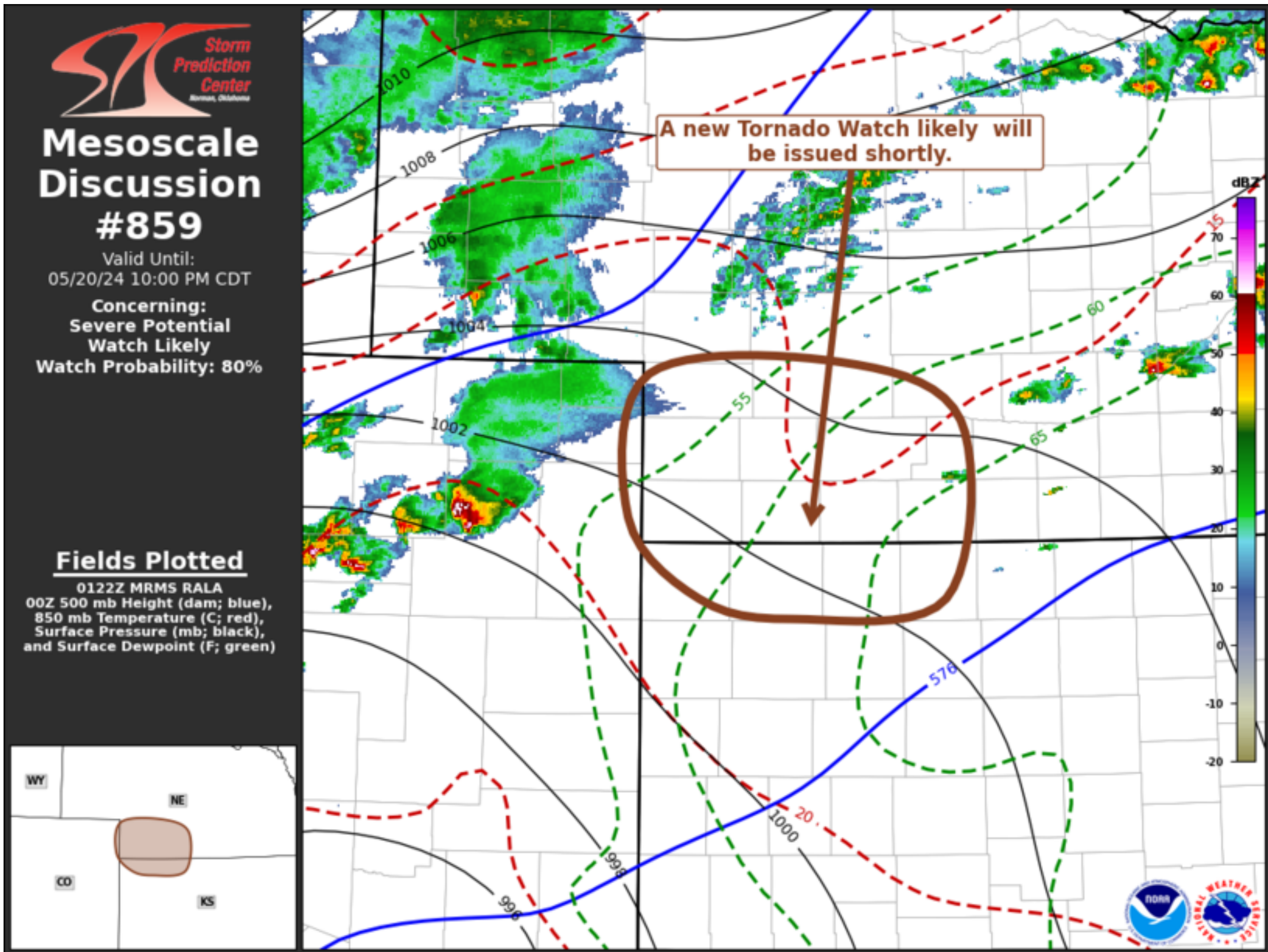
-  Find us on Facebook
SPC on Facebook
-  @NWSSPC
-  NCEP Quarterly Newsletter

- 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 859

< Previous MD Next MD >



Mesoscale Discussion 0859
NWS Storm Prediction Center Norman OK
0825 PM CDT Mon May 20 2024

Areas affected...parts of southwestern Nebraska and adjacent northern Kansas

Concerning...Severe potential...Watch likely

Valid 210125Z - 210300Z

Probability of Watch Issuance...80 percent

SUMMARY...An intensifying supercell and perhaps small upscale growing convective cluster appears likely to continue developing eastward along a frontal zone into portions of southwestern Nebraska and adjacent northern Kansas through 10 PM-Midnight CDT. This will be accompanied by increasing potential for large hail, severe wind gusts and a few tornadoes. A new watch likely will be issued within the next hour or so.

DISCUSSION...More substantive intensification of convection across northeastern Colorado is now underway, including one supercell now propagating eastward across the Akron CO vicinity. As activity continues eastward, strengthening easterly low-level updraft inflow will become increasingly unstable with deeper progression into the plains. This likely will support further upscale growth, including, at least initially, an enlarging supercell, then perhaps a gradually upscale growing cluster focused along the baroclinic zone (roughly centered around 700 mb) extending eastward near/north of the Kansas/Nebraska border vicinity.

..Kerr/Thompson.. 05/21/2024

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

ATTN...WFO...GID...LBF...GLD...BOU...

LAT...LON 40930201 41000060 40679972 39699985 39580095 39680163
40140214 40930201

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

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

National Weather Service • Since 1870

National Weather Service • Since 1870