



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

City, St



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

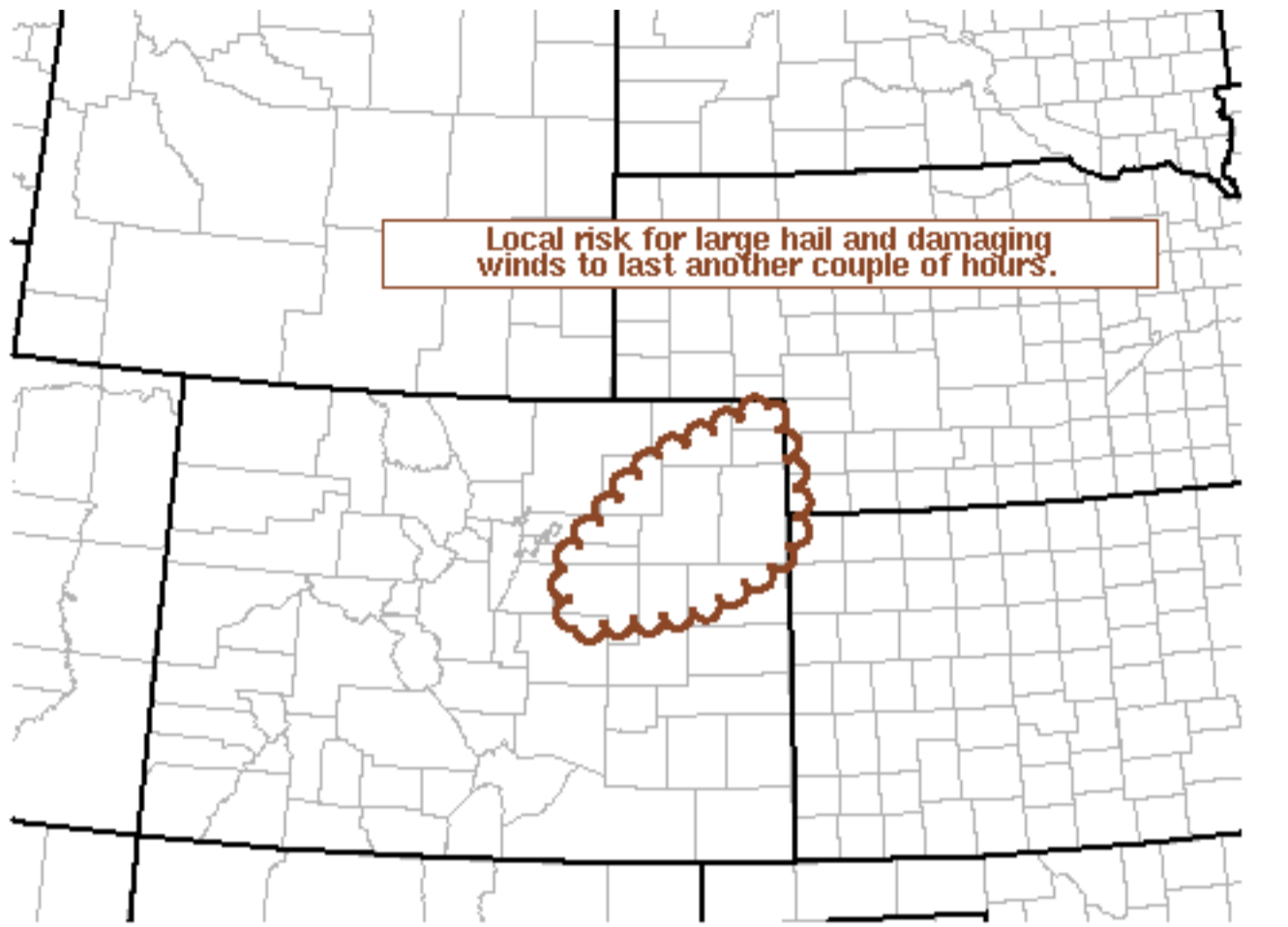
- Research
- Non-op. Products
- Forecast Tools
- Svr. Tstm. Events
- SPC Publications
- SPC-NSSL HWT
- Education & Outreach
- About the SPC
- SPC FAQ
- About Tornadoes
- About Derechos
- Video Lecture Series
- WCM Page
- Enh. Fujita Page
- Our History
- Public Tours

- Misc.
- Staff
- Contact Us
- SPC Feedback



Mesoscale Discussion 525

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



SPC MCD #0525

Mesoscale Discussion 0525
 NWS Storm Prediction Center Norman OK
 0959 PM CDT Sun May 03 2020

Areas affected...the northeastern Colorado vicinity

Concerning...Severe potential...Watch unlikely

Valid 040259Z - 040500Z

Probability of Watch Issuance...5 percent

SUMMARY...Risk for large hail and locally damaging winds across northeastern Colorado may continue for another couple of hours, before diminishing.

DISCUSSION...An increase in convective coverage/intensity has been observed over the past hour across northeastern Colorado, where a few intense/supercell storms capable of producing large hail and locally damaging downdrafts have evolved.

This development is consistent with recent CAM guidance, particularly the NCEP HRRR-parallel run which has modeled this evolution quite accurately.

This convective uptick is occurring in tandem with a local increase in low-level warm advection, owing to the development of a southeasterly low-level jet (50 kt per recent KGLD WSR-88D VWP). While only a narrow axis of instability is indicated (confined to the high Plains of eastern Colorado), expect the strengthening low-level southeasterly flow to maintain robust updrafts for the next couple of hours. Afterward, continued boundary-layer cooling/stabilization should yield a gradual decrease in storm intensity.

..Goss/Thompson.. 05/04/2020

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

ATTN...WFO...LBF...GLD...PUB...BOU...

LAT...LON 39000444 39530456 40470359 40950220 40070186 39600206
39180304 39000444

[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