

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

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

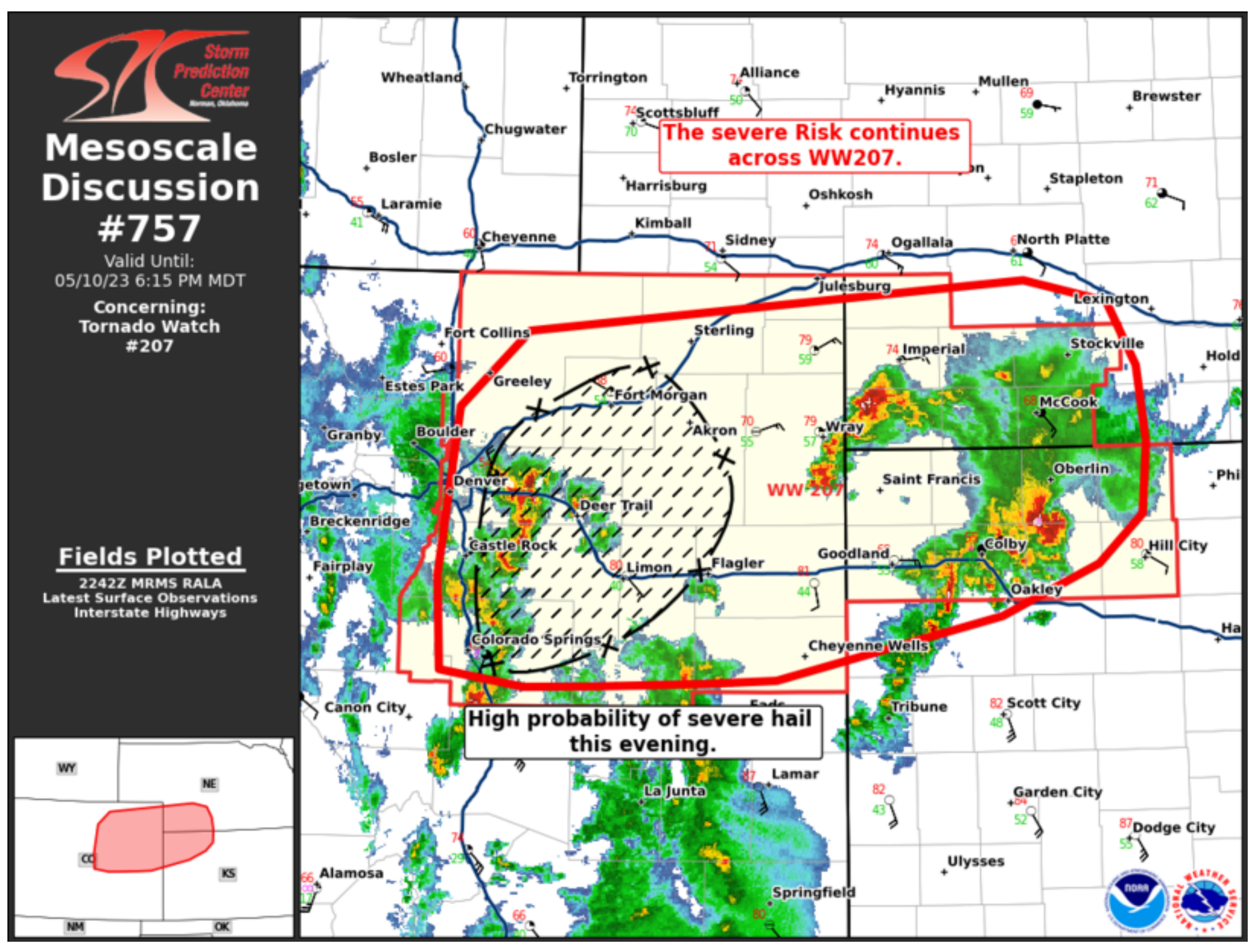
Research
 Non-op. Products
 Forecast Tools
 Svr. Tstm. Events
 SPC Publications
 SPC-NSSL HWT
 Education & Outreach
 About the SPC
 SPC FAQ
 About Tornadoes
 About Derechos
 Video Lecture Series
 WCM Page
 Enh. Fujita Page
 Our History
 Public Tours

Misc.
 Staff
 Contact Us
 SPC Feedback



Mesoscale Discussion 757

< Previous MD Next MD >



Mesoscale Discussion 0757
 NWS Storm Prediction Center Norman OK
 0545 PM CDT Wed May 10 2023

Areas affected...northeastern Colorado...into Southwest Nebraska and western Kansas

Concerning...Tornado Watch 207...

Valid 102245Z - 110015Z

The severe weather threat for Tornado Watch 207 continues.

SUMMARY...Scattered supercells ongoing along the Front Range and into western KS/NE will continue to pose a risk for large hail through this evening. A couple of tornadoes will also remain possible as low-level shear increases this evening.

DISCUSSION...As of 2235 regional radar imagery showed scattered severe storms including several supercells ongoing near the Denver Metro and farther east into western KS/NE. Within the upslope flow regime, 1000-1500 J/kg of MLCAPE and 35-40 kt of southerly effective shear should continue to support supercells through this evening. Cool mid-level temps and steep mid-level lapse rates around 8 C/km will be favorable for large hail, and accumulating hail, with the ongoing storms. The greatest risk for large hail appears to be concentrated in portions of northeastern CO over the next couple of hours. The tornado threat is less certain, but as low-level hodographs enlarge this evening, 0-1km SRH around 200 m2/s2 may support low-level updraft rotation given the supercell storm mode.

..Lyons.. 05/10/2023

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

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

LAT...LON 39260506 40230491 40660440 40960070 40820008 40459986
 40029980 39609985 39330018 39030090 38680256 38650309
 38640388 38630441 38720503 39260506

[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