



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



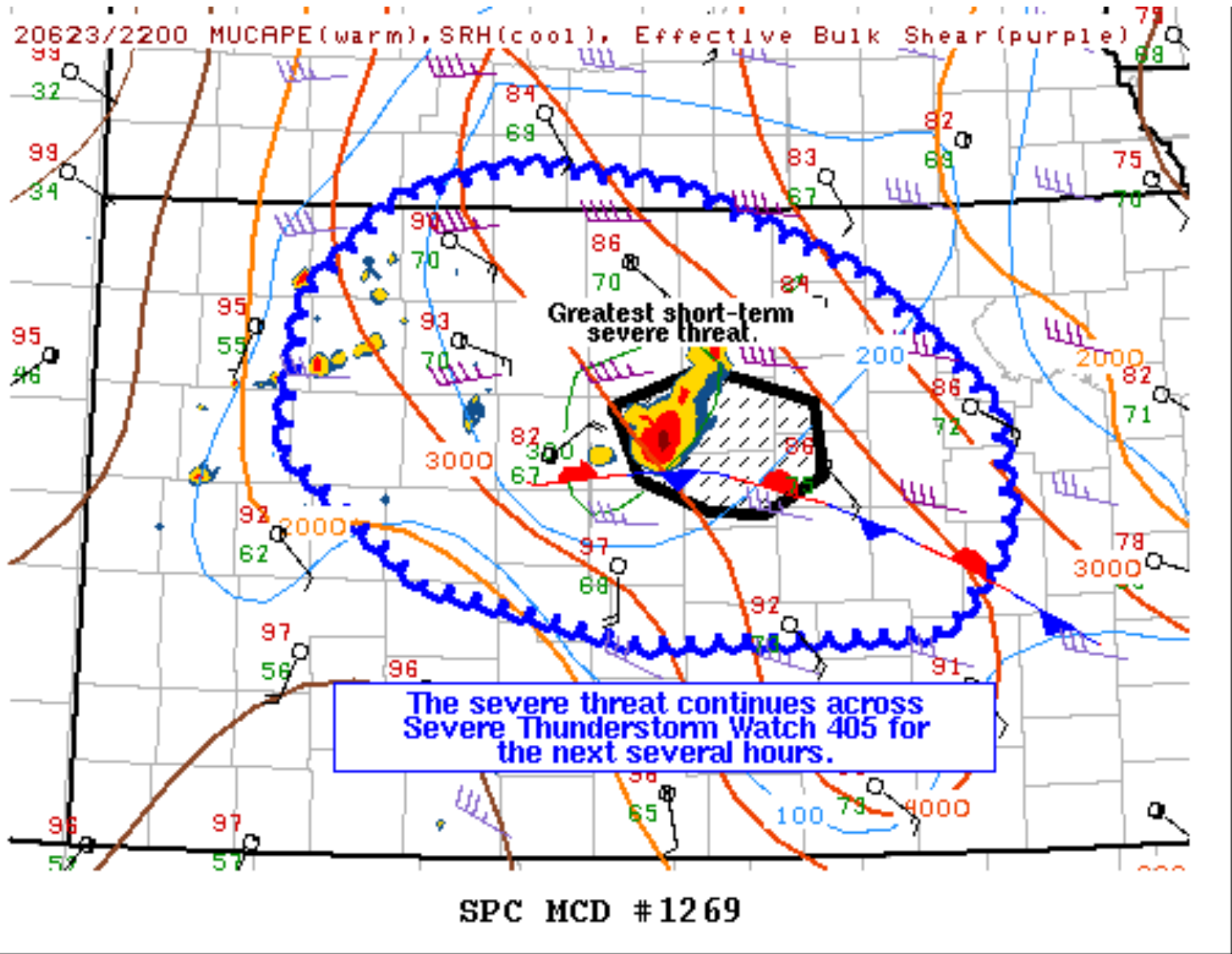
NCEP Quarterly
Newsletter

- 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 1269

< Previous MD Next MD >



Mesoscale Discussion 1269
NWS Storm Prediction Center Norman OK
0602 PM CDT Thu Jun 23 2022

Areas affected...Portions of central Kansas

Concerning...Severe Thunderstorm Watch 405...

Valid 232302Z - 240100Z

The severe weather threat for Severe Thunderstorm Watch 405 continues.

SUMMARY...The severe threat continues across Severe Thunderstorm Watch 405. The greatest severe threat continues to be associated with a supercell structure over Russell County, where all severe hazards remain a concern. Other storms may pose a large hail/damaging gust-threat into the evening hours.

DISCUSSION...Scattered thunderstorms persist across Severe Thunderstorm Watch 405, amid an environment characterized by 2500+ MLCAPE, 40 kts of effective bulk shear, and locally higher low-level shear constrained to an east-west oriented baroclinic zone over central Kansas. Near the boundary, an HP supercell is thriving over Russell County, KS, where tornadoes were observed and where MRMS mosaic MESH depicts up to 2.5 inch diameter hail possible. KUEX, KDCC, and KICT velocity data depict a well-defined mid-level mesocyclone associated with the Russell County storm, suggesting that the greatest severe threat across the watch will likely be associated with this supercell for at least the next few hours, including the possibility for damaging gusts, severe hail, and perhaps another tornado.

West of the supercell, scattered thunderstorms continue to pulse in intensity and these cells may briefly produce a damaging gust or severe hailstone, especially if the storms can avoid entraining convectively overturned air from the Russell County supercell. South and east of the supercell, a pristine airmass remains in place to support additional severe potential if storms can manage to develop before sunset.

..Squitieri.. 06/23/2022

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

ATTN...WFO...TOP...ICT...GID...DDC...GLD...

LAT...LON 38269999 38860085 39550074 40020019 40189945 40099851
39699741 39059662 38469656 38029695 37999873 38269999

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

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