



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

City, St Go



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

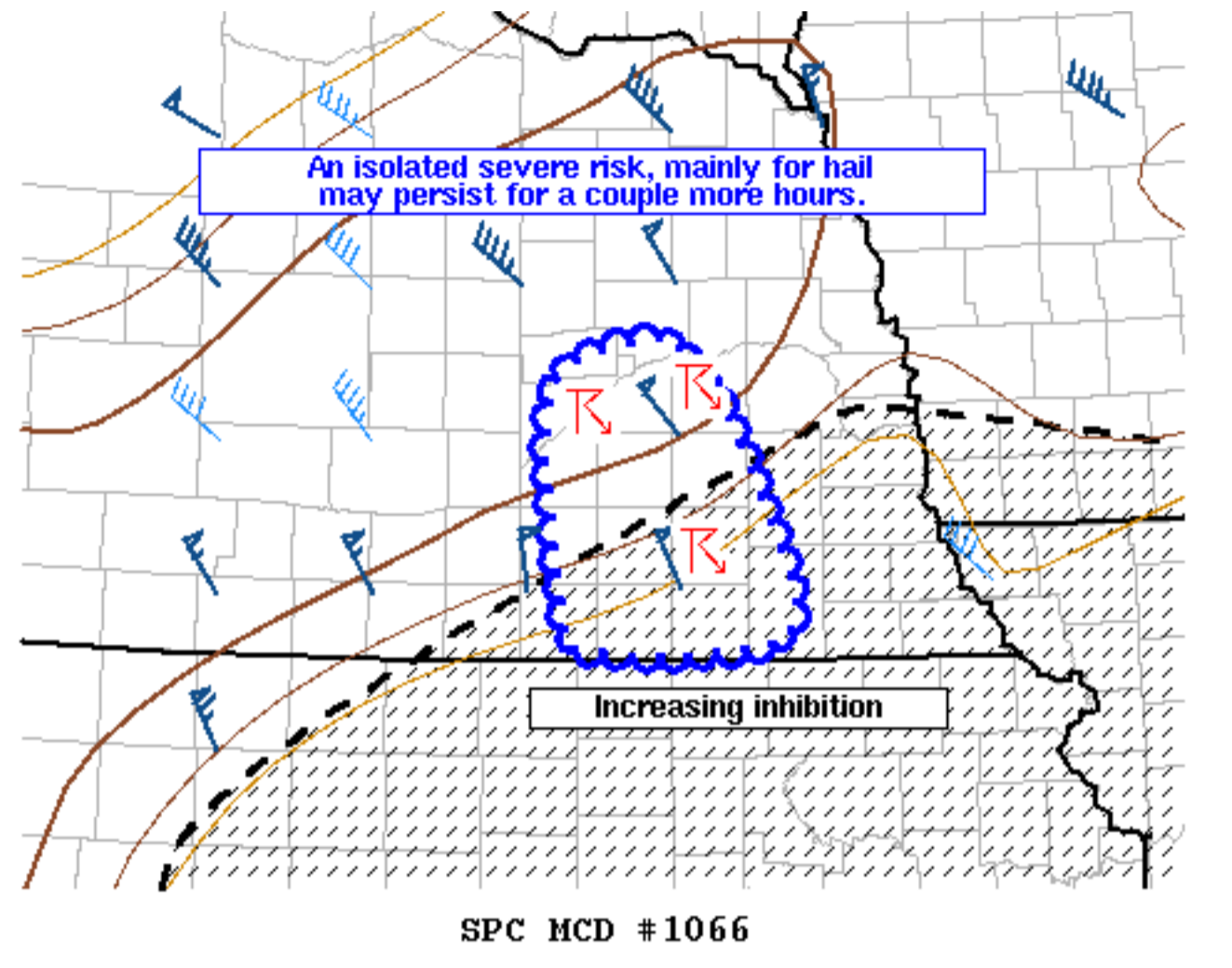
Misc.

- Staff
- Contact Us
- SPC Feedback



Mesoscale Discussion 1066

< Previous MD Next MD >



SPC MCD #1066

Mesoscale Discussion 1066
 NWS Storm Prediction Center Norman OK
 0951 PM CDT Tue Jun 22 2021

Areas affected...east-central Nebraska

Concerning...Severe potential...Watch unlikely

Valid 230251Z - 230345Z

Probability of Watch Issuance...5 percent

SUMMARY...Lingering strong/severe storms may pose an isolated risk for severe hail over the next couple hours.

DISCUSSION...North of the previous severe convection across southeastern Nebraska, two elevated supercells have recently evolved in the warm advection regime across York, Polk, and Butler Counties. An uptick in lightning and radar reflectivity over the last 20 minutes suggests these storms may strengthen temporarily over the next hour. This redevelopment is likely a result of increased forcing associated with the nocturnal low-level jet. SPC mesoanalysis indicates these storms are ongoing near the southeastern edge of a plume of 500-1000 J/kg of MUCAPE. Vertical shear profiles remain supportive of supercells with 40 kts of effective shear observed by the 00z OAX sounding. The severe risk with these storms will likely be short lived as they continue to move south into an increasingly stable airmass. Over the next hour or two, isolated severe hail will remain possible before storms permanently weaken below severe limits.

..Lyons/Grams.. 06/23/2021

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

ATTN...WFO...OAX...GID...

LAT...LON 40029761 40059799 40579809 40959812 41279811 41429786
 41489737 41129701 40309661 40089668 40029722 40029761

[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