



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

City, St Go



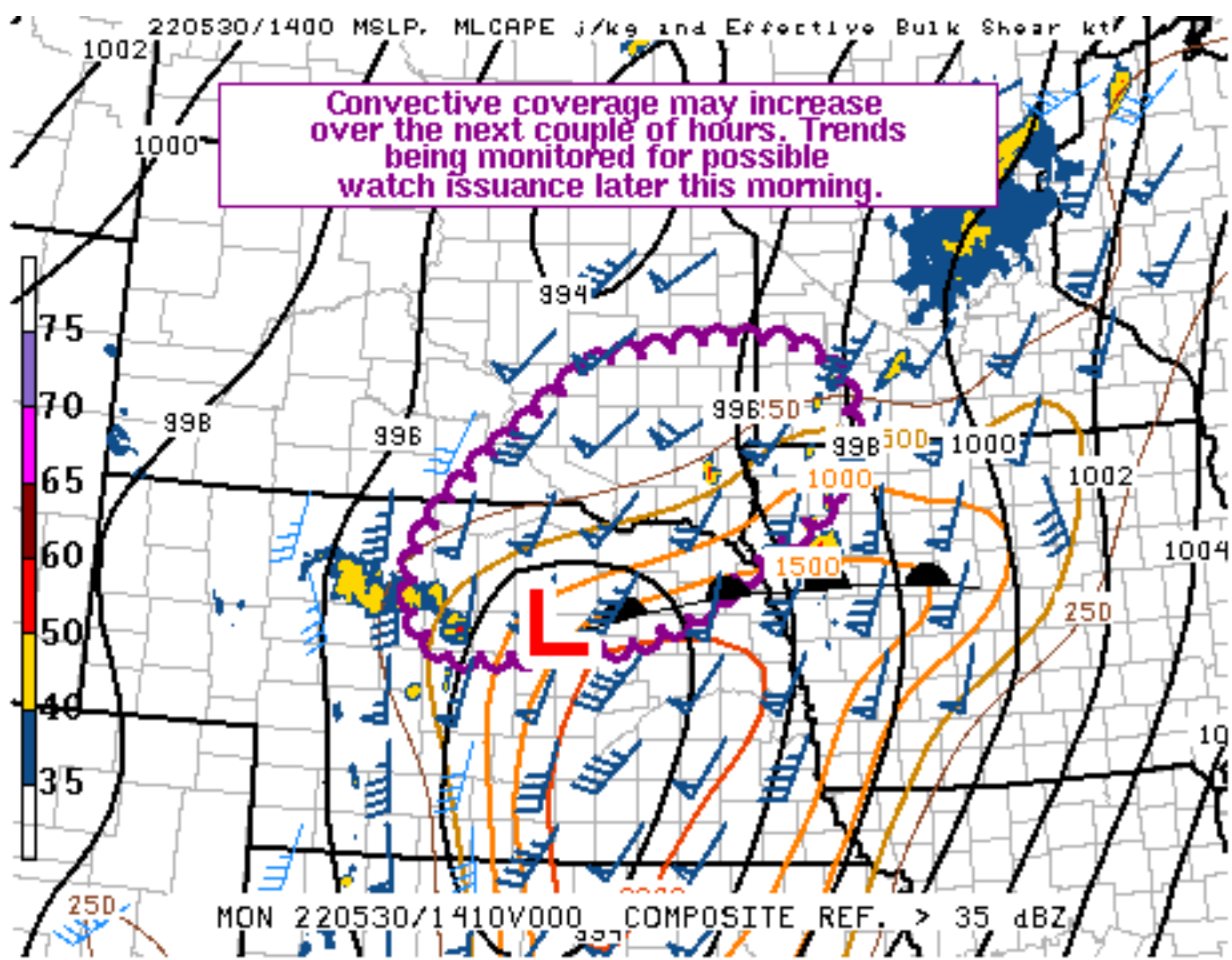
NCEP Quarterly Newsletter

- 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 974

< Previous MD Next MD >



SPC MCD #0974

Mesoscale Discussion 0974
 NWS Storm Prediction Center Norman OK
 0927 AM CDT Mon May 30 2022

Areas affected...portions of northern NE into southern SD

Concerning...Severe potential...Watch possible

Valid 301427Z - 301600Z

Probability of Watch Issuance...60 percent

SUMMARY...Initial convection this morning will pose a threat for hail. While a watch may not be needed in the next 1-2 hours, a quick transition toward increasing severe potential is expected by midday into early afternoon.

DISCUSSION...Occasionally intense convection is developing/ongoing across north-central NE this morning within the left exit region of the ejecting midlevel trough over the central High Plains. This activity is elevated at this time and may pose a threat for hail. With time, a warm front extending eastward from a low over east-central NE will lift northward across northeast NE into southeast SD, allowing mid 60s surface dewpoints to spread northward. Elevated convection across southeast SD into western IA may continue in this low-level warm advection regime, with a threat for hail. As heating continues through the morning, increasing destabilization will occur and capping will erode as stronger large-scale ascent shifts east by early to mid afternoon. Any initially elevated convection may then become surface based with time and transition from merely a hail concern to also include a damaging gust and tornado concern.

The timing of the evolution of threat transitioning from a more isolated/elevated thunderstorm threat to a surfaced-based all-hazards concern remains somewhat unclear. A watch may not be needed in the next 1-2 hours, but could quickly become necessary around midday.

..Leitman/Thompson.. 05/30/2022

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

ATTN...WFO...FSD...OAX...ABR...GID...LBF...UNR...

LAT...LON 41809858 41869787 42069725 42989566 43189554 43539543
 43839537 44129548 44259576 44389620 44409703 44249820
 44149849 43179984 42560037 41980040 41719995 41729928
 41809858

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

Weather Topics:

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