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

Find us on Facebook
SPC on Facebook

@NWSSPC

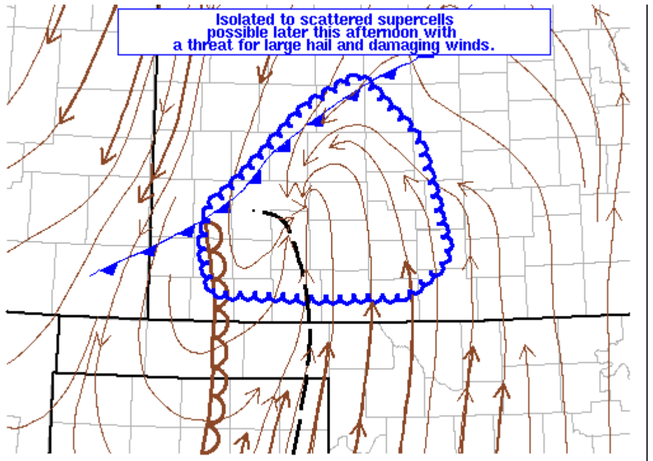
NCEP Quarterly Newsletter

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

USA.gov

Mesoscale Discussion 705

< Previous MD Next MD >



Mesoscale Discussion 0705
NWS Storm Prediction Center Norman OK
0215 PM CDT Sun May 24 2020

Areas affected...West central Kansas

Concerning...Severe potential...Watch possible

Valid 241915Z - 242115Z

Probability of Watch Issuance...60 percent

SUMMARY...Isolated to scattered supercells are possible later this afternoon with a threat for large hail and damaging winds.

DISCUSSION...Convergence has increased near the triple point in west central Kansas over the past hour as evidenced by the increased cu clustering across the region. Temperatures are currently in the upper 70s but should increase into the mid 80s in the next 1 to 2 hours. With dewpoints in upper 50s to low 60s, MLCAPE is expected to peak around 2000 to 2500 J/kg in the region later this afternoon. This area is currently capped, but storms are expected to form by late this afternoon as CINH erodes across the area.

This region lies on the eastern periphery of stronger mid-level flow associated with the jet streak in eastern Colorado. Enough of this stronger flow should overspread this region to support a supercell wind profile. The primary threat will be large hail and damaging winds. As the low-level jet strengthens after 00Z, a briefly higher tornado threat may exist before continued upscale growth leads to a messier/more linear storm mode.

Once convective initiation occurs, likely in the next 2-3 hours, a watch may be needed.

..Bentley/Hart.. 05/24/2020

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

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

LAT...LON 37240020 37260093 37260129 37670142 38010135 38210106 38890029 39199966 38679902 38299886 37569867 37249915 37240020

Top/All Mesoscale Discussions/Forecast Products/Home

Weather Topics:
Watches, Mesoscale Discussions, Outlooks, Fire Weather, All Products, Contact Us

National Weather Service • Since 1870