



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

City, St Go

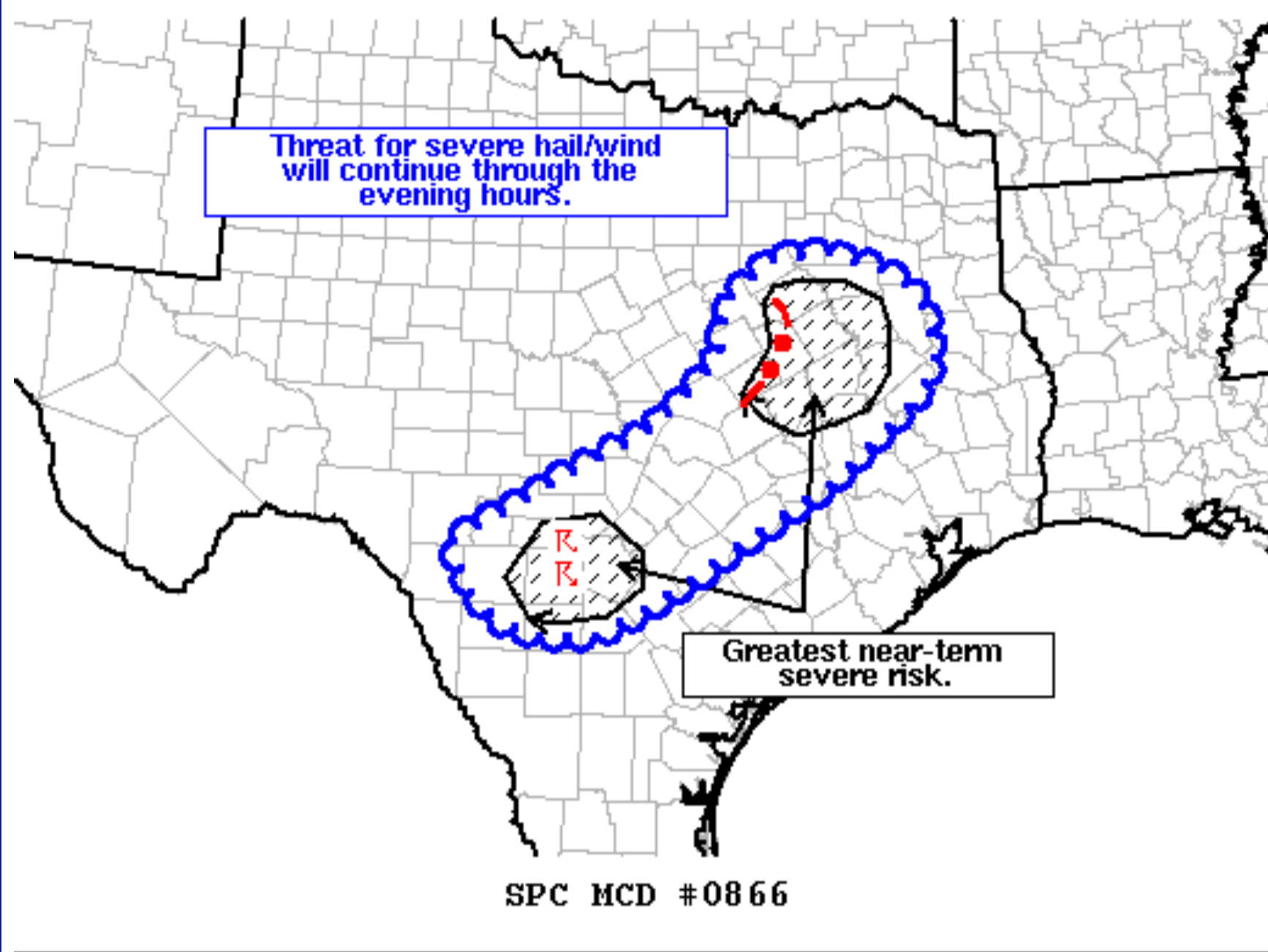


NCEP Quarterly Newsletter

- 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 866

< Previous MD Next MD >



Mesoscale Discussion 0866
 NWS Storm Prediction Center Norman OK
 0843 PM CDT Sat May 21 2022

Areas affected...South-central to eastern Texas

Concerning...Severe Thunderstorm Watch 258...

Valid 220143Z - 220345Z

The severe weather threat for Severe Thunderstorm Watch 258 continues.

SUMMARY...Isolated to scattered severe wind and hail remains likely through the evening hours across portions of south-central to eastern Texas.

DISCUSSION...A pair of loosely organized thunderstorm clusters continue to meander across south-central TX west of the San Antonio region and over central TX to the southeast of the Dallas/Fort Worth metro. The greatest near-term severe threats will likely reside in the vicinity of these two clusters. Although the southern cluster has largely become outflow dominant, the 00 UTC DRT sounding suggests around 1500-2000 J/kg MUCAPE resides across the region when accounting for the cooler low-level thermodynamics within the cold pool. Given steep lapse rates and modest effective bulk shear (near 25 knots), strong updraft pulses remain possible and will continue to pose a severe hail risk.

To the north, several severe hail and wind reports have been noted over the past hours associated with the complex of storms southeast of the DFW metro. This loosely organized linear segment has begun to migrate to the east via cold-pool propagation, and the air mass preceding the line remains very unstable with MLCAPE values near 4500 J/kg with little capping (per recent mesoanalysis and RAP forecast soundings). Although inhibition will gradually increase through the evening, forward propagation may continue into parts of east TX with an attendant severe hail and wind risk.

Isolated weak thunderstorms have begun to develop in the Arklatex region, but have struggled to mature. Further intensification is possible, but the coverage of storms across this region is uncertain given increasing MLCIN with the onset of diurnal cooling.

..Moore.. 05/22/2022

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

ATTN...WFO...SHV...HGX...FWD...EWX...

LAT...LON 29660022 30349894 30819795 31469729 32049720 32409672
 32469603 32309545 32029501 31449483 31069505 30269604
 29499737 29039813 28789871 28779934 28949973 29270010
 29660022

[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