

Storm Prediction Center



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

Site Map

#544

Valid Until:

Concerning:

Tornado Watch

#146

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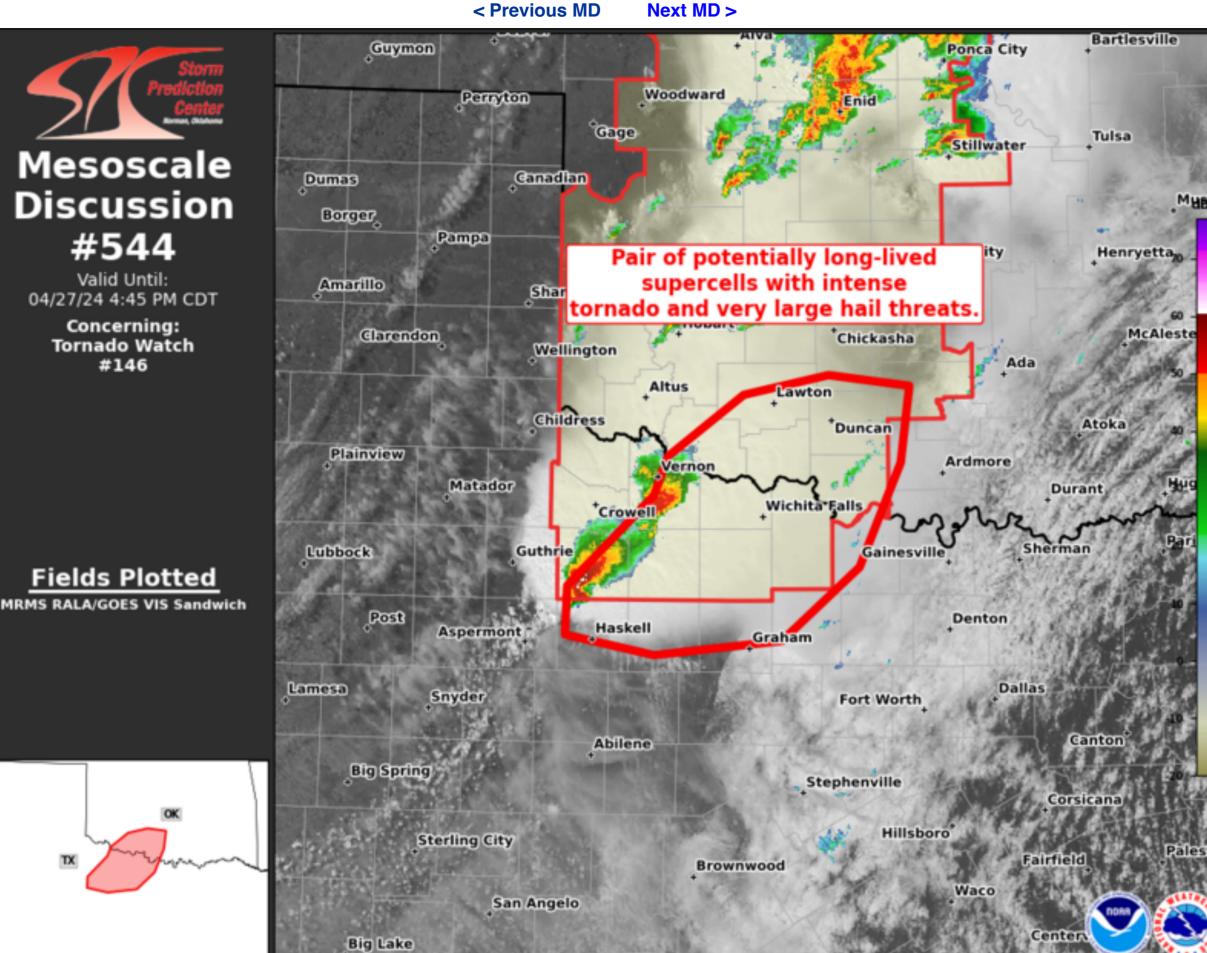
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Mesoscale Discussion 544

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News



Mesoscale Discussion 0544 NWS Storm Prediction Center Norman OK 0319 PM CDT Sat Apr 27 2024

Areas affected...Western north TX and southwest OK

Concerning...Tornado Watch 146...

Valid 272019Z - 272145Z

The severe weather threat for Tornado Watch 146 continues.

SUMMARY...Pair of potentially long-lived supercells within the southern portion of WW 146 may evolve with an intense tornado and very large hail threat.

DISCUSSION...A potentially long-lived, slow-moving discrete supercell is centered over Knox County, TX. This supercell appears to be anchored along the far southern portion of the broader convective plume that extends north across OK/KS. With full insolation in the warm-moist sector inflow to its southeast, its plausible that a long-lived supercell will persist for the next 2-3 hours. Amid MLCAPE of 3000 J/kg and mid 60s surface dew points to its southeast, a cyclic tornadic supercell could evolve beyond the very large hail threat with up to baseballs reported thus far. The supercell to its northeast in Wilbarger County, TX will also have potential to further intensify as it spreads towards and northwest of the Wichita Falls vicinity, given 0-1 km SRH of 100-200 m2/s2 per FDR VWP data.

..Grams.. 04/27/2024

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

ATTN...WFO...FWD...OUN...SJT...

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