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Mesoscale Discussion 693

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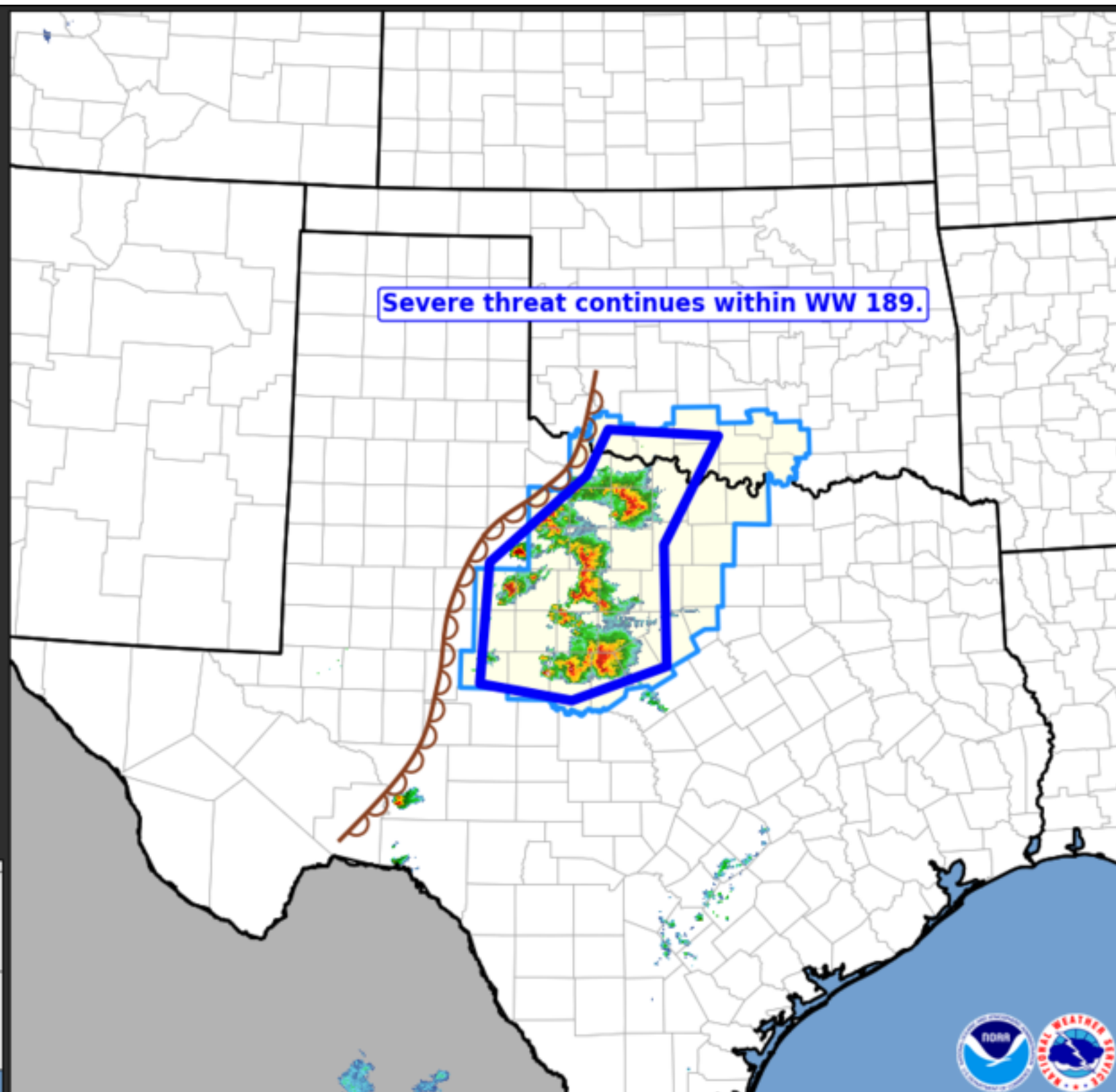
SPC Feedback



Mesoscale Discussion #693

Valid Until:
05/06/23 8:30 PM CDT
Concerning:
Severe Thunderstorm
Watch #189

Fields Plotted
2334Z MRMS RALA



Mesoscale Discussion 0693
NWS Storm Prediction Center Norman OK
0637 PM CDT Sat May 06 2023

Areas affected...south-central Oklahoma southwest into portions of central Texas

Concerning...Severe Thunderstorm Watch 189...

Valid 062337Z - 070130Z

The severe weather threat for Severe Thunderstorm Watch 189 continues.

SUMMARY...Severe risk -- mainly in the form of large hail and locally damaging wind gusts -- is ongoing in conjunction with storms in progress across parts of northern and central Texas.

DISCUSSION...Latest radar loop shows a cluster of storms ongoing across western North Texas and the Big Country region, near and just ahead of a western Texas dryline extending from east of Childress to west of San Angelo. The storms are occurring on the northwestern fringe of rich Gulf moisture (low 70s dewpoints) being advected northwestward across the eastern half of Texas ahead of the dryline, which is supporting strong instability (mixed-layer CAPE in excess of 2500 J/kg).

With low-level southeasterlies veering/increasing to around 40kt at mid levels, shear sufficient to support updraft rotation has sustained several supercells, which have produced hail up to golf ball size. As the low-level southeasterlies increase nocturnally into this evening, storms will continue to redevelop across the north Texas vicinity, along with continued severe threat.

..Goss.. 05/06/2023

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

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

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