



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

City, St

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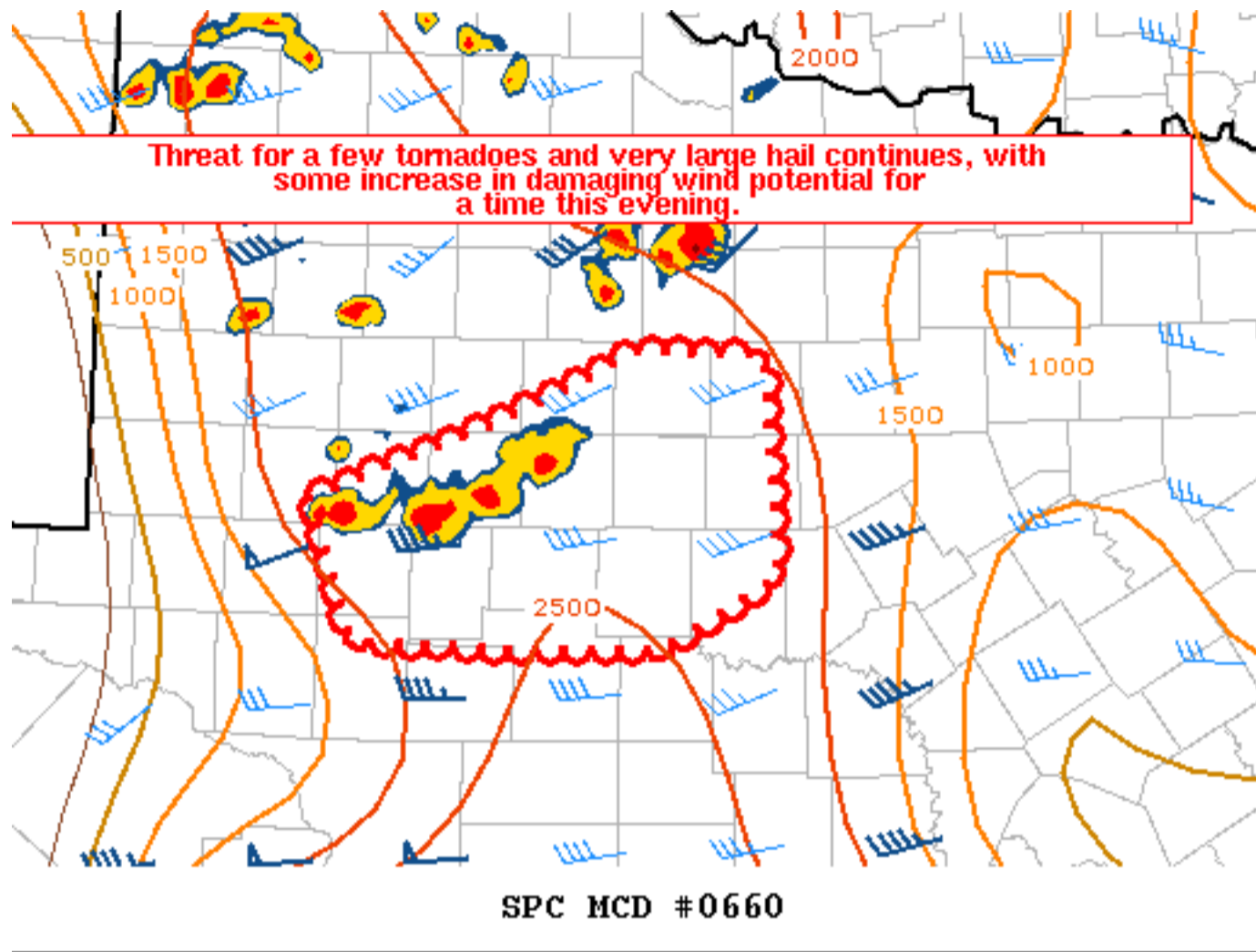
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Mesoscale Discussion 660

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SPC MCD #0660

Mesoscale Discussion 0660
NWS Storm Prediction Center Norman OK
0737 PM CDT Mon May 17 2021

Areas affected...Northwest TX into TX South Plains and vicinity

Concerning...Tornado Watch 182...183...185...

Valid 180037Z - 180200Z

The severe weather threat for Tornado Watch 182, 183, 185 continues.

SUMMARY...Threat for very large hail and a few tornadoes continues this evening, with an increasing threat of damaging wind with time.

DISCUSSION...At 0030Z, intense supercells are ongoing across portions of northwest TX, and also southwestward into portions of the TX South Plains. An intense supercell has recently produced a potentially significant tornado across northern Sterling County, based on the strong velocity signature noted on radar. Localized backing of the surface winds is noted near the Sterling County cluster of supercells, which is likely enhancing low-level shear/SRH and aiding in tornado potential, in addition to the ongoing threat of very large hail. MLCAPE of 2000-3000 J/kg, effective shear of 40-50 kt, and very steep midlevel lapse rates (as noted in 00Z DRT sounding) will continue to support intense supercell structures this evening.

Given the clustering noted in this area, upscale growth is possible within the next 1-2 hours, which would result in an increasing threat of damaging wind gusts with time tonight.

..Dean.. 05/18/2021

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

ATTN...WFO...SJT...MAF...

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