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Mesoscale Discussion 675

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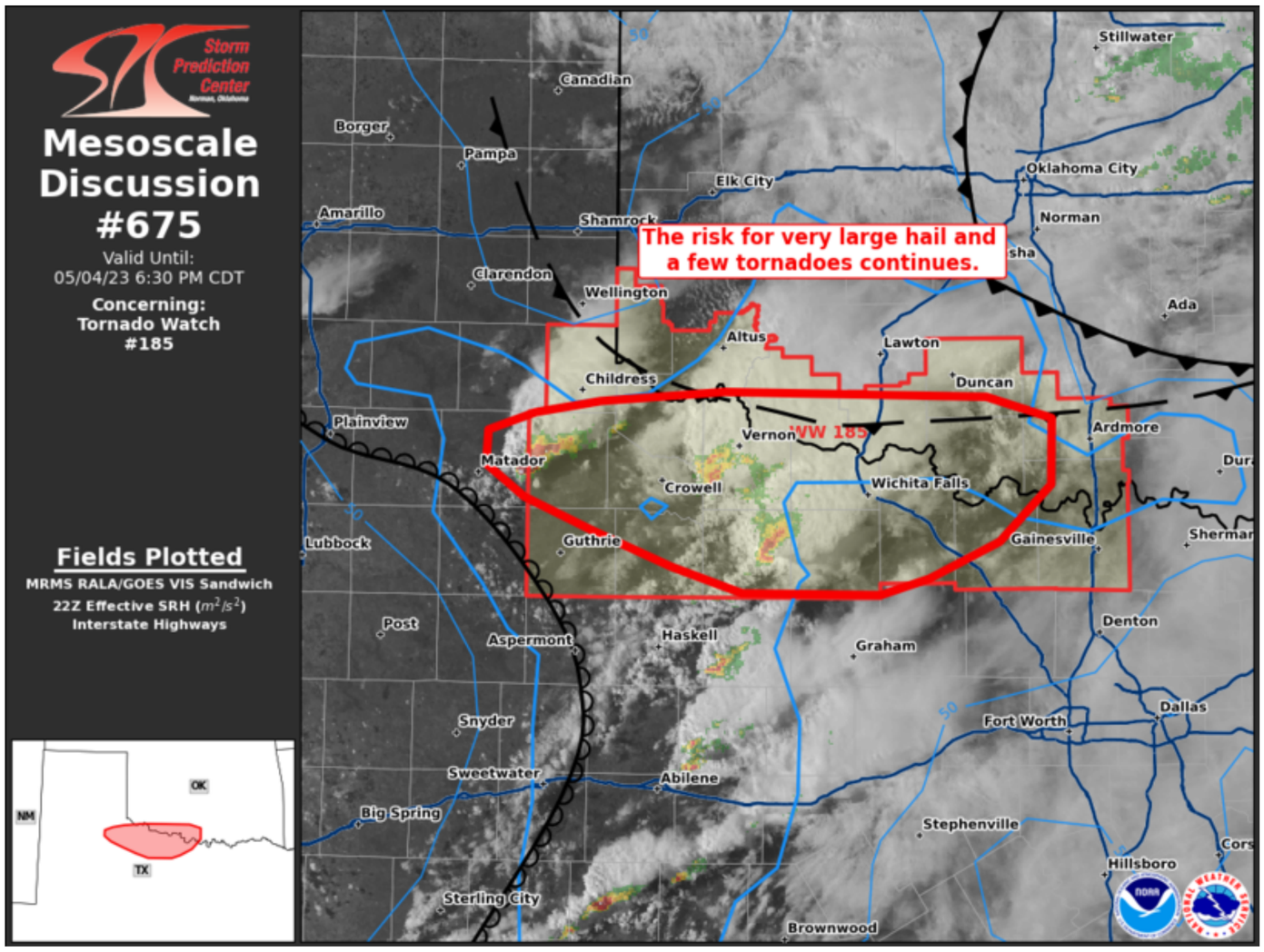

Mesoscale Discussion 0675
NWS Storm Prediction Center Norman OK
0505 PM CDT Thu May 04 2023

Areas affected...portions of northwest Texas and far southern Oklahoma

Concerning...Tornado Watch 185...

Valid 042205Z - 042330Z

The severe weather threat for Tornado Watch 185 continues.

SUMMARY...Organizing supercells will continue to pose a risk for very large hail (2+ in) and a few tornadoes into this evening across WW185.

DISCUSSION...As of 2200 UTC, regional radar analysis showed several supercells organizing near the dryline/outflow intersection across portions of northwest TX and far southern OK. Along and south of the outflow, afternoon cloud breaks have allowed surface temperatures to warm into the upper 70s to low 80s F in the wake of earlier convection. The warming temperatures, and surface dewpoints in the low to mid 60s F were supporting 1000-1500 J/kg of MLCAPE within the modified air mass. As storms continue to mature and move eastward along the Red River, strong updrafts should persist as they move east into this evening. Deep-layer shear of 40-45 kt observed from the KFDR VAD/VWP will continue to favor a discrete cellular mode conducive for organized supercells. Large to very large hail (2+ in) will be likely with storms through this evening. While low-level shear is not overly strong, enlarging low-level hodographs near sunset from an increasing low-level jet, may pose a risk for a few tornadoes as well. The greatest severe risk appears likely from portions of the far southeastern TX Panhandle, along the Red River, into portions of far southern OK and north TX over the next few hours.

..Lyons.. 05/04/2023

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

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