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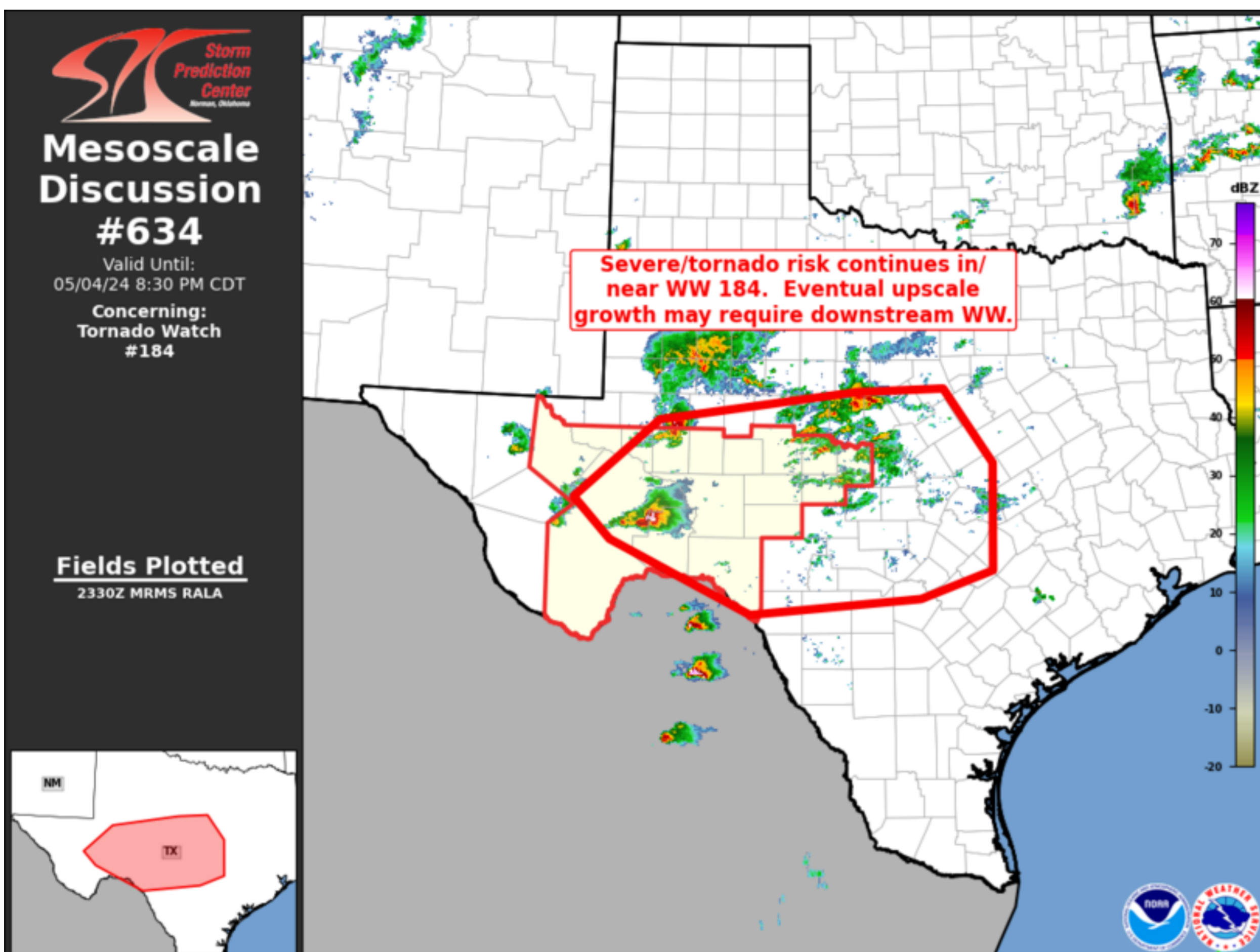
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Mesoscale Discussion 634

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Mesoscale Discussion #634

Valid Until:
05/04/24 8:30 PM CDT

Concerning:
Tornado Watch #184

Fields Plotted
2330Z MRMS RALA



Mesoscale Discussion 0634
 NWS Storm Prediction Center Norman OK
 0631 PM CDT Sat May 04 2024

Areas affected...parts of western and central Texas

Concerning...Tornado Watch [184](#)...

Valid 042331Z - 050130Z

The severe weather threat for Tornado Watch 184 continues.

SUMMARY...Isolated supercells, posing all-hazards severe risk, are ongoing in/near Tornado Watch 184. Later, upscale growth/expansion of storms is expected, which is likely to eventually require new/downstream WW issuance.

DISCUSSION...Latest KMAF radar loop shows a persistent supercell moving southeastward across Pecos county, which has produced previous tornadoes and currently appears likely to be producing very large hail. A second supercell which has developed more recently is moving along the Midland/Upton County border, and also poses an all-hazards risk in the short term.

Meanwhile, convection is increasing in coverage farther east, including a longer-lived storm now over northern portions of Coleman and Brown counties. With time, CAMs suggest upscale growth emerging from within the broader area of storms, and shifting eastward as an at least semi-organized MCS. This seems plausible, given a fairly well-defined vort max aloft moving across southeastern New Mexico and Far West Texas, and an associated increase in a southeasterly low-level jet expected to occur this evening. Resulting QG ascent, combined with the favorably moist/unstable environment downstream, should act to sustain convection and associated expansion of severe risk east of the existing WW. A new WW will likely need to be considered -- perhaps earlier than optimal due to the proximity of the convective increase in the Coleman/Brown county area and vicinity to the eastern edges of [WW 183](#) and [184](#).

..Goss.. 05/04/2024

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

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