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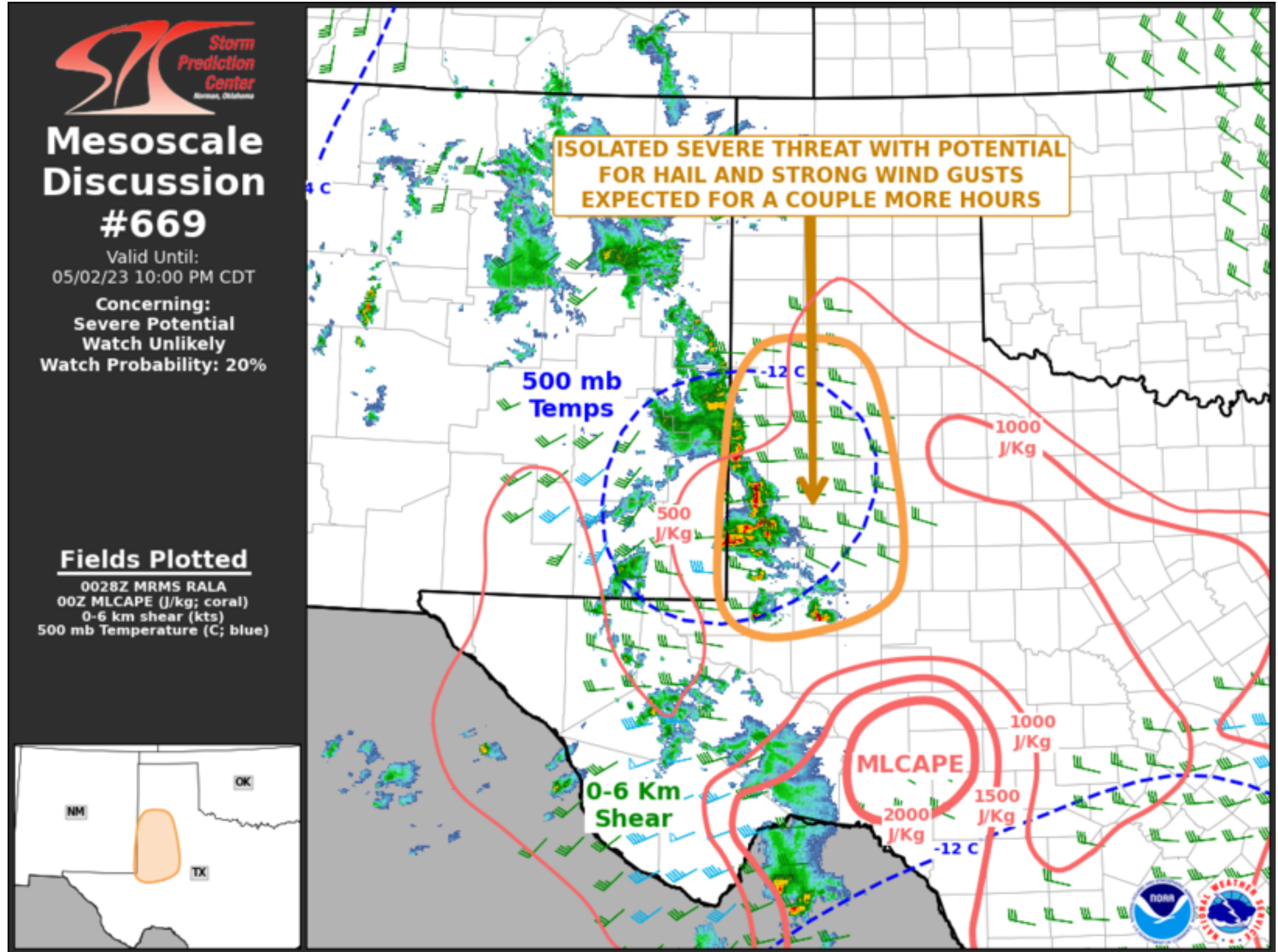
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Mesoscale Discussion 669

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Mesoscale Discussion 0669
 NWS Storm Prediction Center Norman OK
 0731 PM CDT Tue May 02 2023

Areas affected...West Texas

Concerning...Severe potential...Watch unlikely

Valid 030031Z - 030300Z

Probability of Watch Issuance...20 percent

SUMMARY...An isolated severe threat is expected to continue for a couple more hours across parts of west Texas. The threat should be too marginal for watch issuance.

DISCUSSION...The latest WSR-88D radar imagery from Lubbock shows a cluster of strong thunderstorms just to the east of Hobbs, New Mexico. Other more isolated storms are located in the vicinity of Midland/Odessa. The storms are located near an axis of maximized low-level moisture, where surface dewpoints are generally from 45 to 55 F. Although, some low-level convergence is present on mesoscale analysis, large-scale ascent is weak across most of west Texas in the wake of an exiting shortwave trough. The latest WSR-88D VWP at Lubbock and Midland have 0-6 km shear near 30 knots with about 20 knots of mid-level flow. This will support marginally severe multicells, but any development over the next couple of hours is expected to remain unorganized. Hail and strong wind gusts will be the primary threats.

..Broyles/Hart.. 05/03/2023

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

ATTN...WFO...SJT...LUB...MAF...ABQ...

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