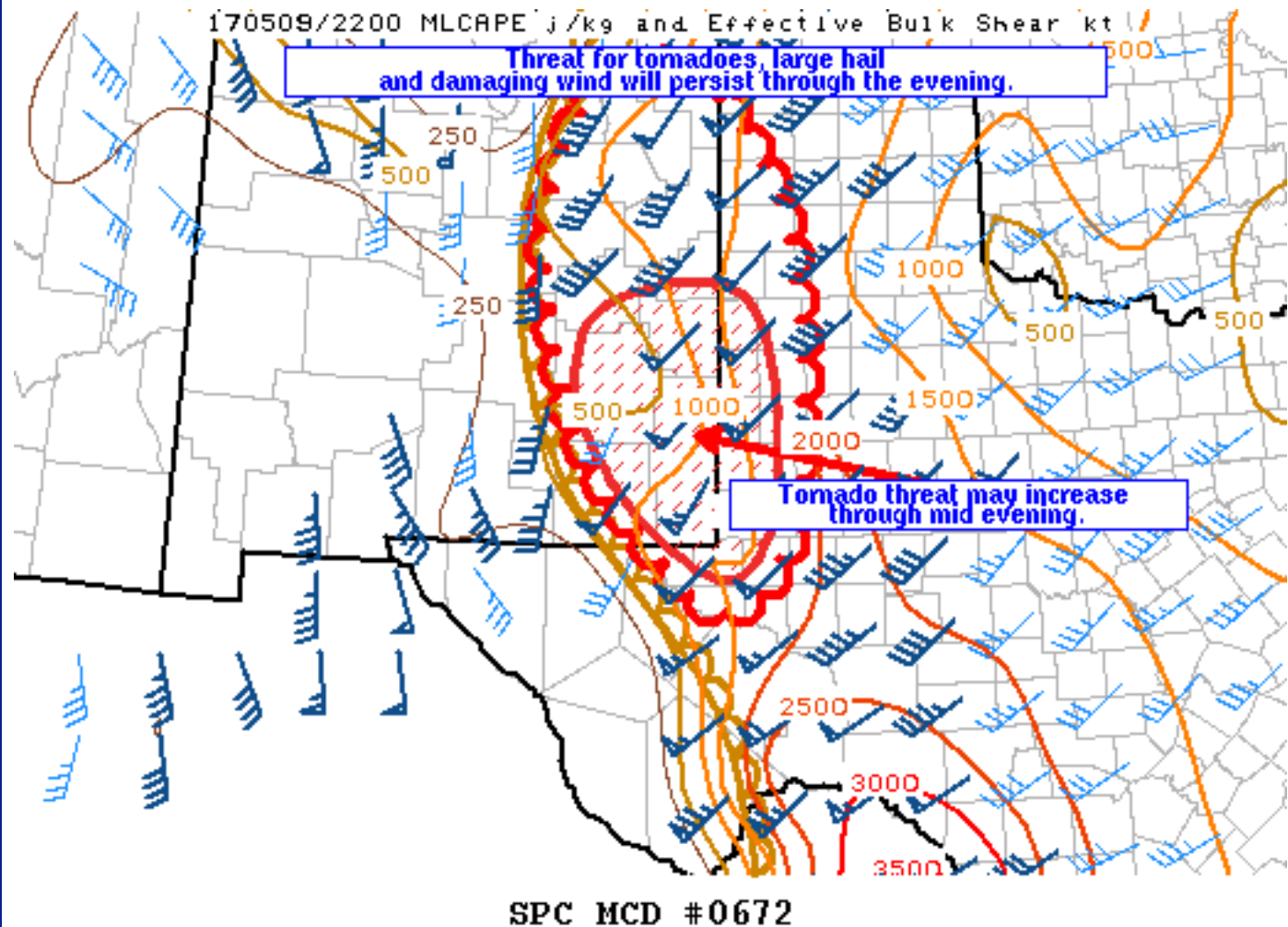


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## Mesoscale Discussion 672

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Mesoscale Discussion 0672

NWS Storm Prediction Center Norman OK

0612 PM CDT Tue May 09 2017

Areas affected...eastern New Mexico through western Texas

Concerning...Tornado Watch 200...

Valid 092312Z - 100045Z

The severe weather threat for Tornado Watch 200 continues.

SUMMARY...Threat for tornadoes, large hail and damaging wind will persist across eastern New Mexico and west Texas through much of the evening. Tornado and overall severe threat is expected to increase over the southern half of tornado watch 200 including southeast New Mexico and west Texas through mid evening.

DISCUSSION...Early this evening the dryline has retreated as far west as the mountains of east central and southeast NM through southwest TX. The atmosphere remains moderately unstable with steep

lapse rates and low-level dewpoints in the upper 40s to low 50s F contributing to 1000-1500 J/kg MLCAPE. VWP data show 40-50 kt effective bulk shear and 100-150 m2/s2 storm-relative helicity supporting organized storms including supercells across all of eastern NM. While 0-1 km hodographs are not particularly large at the current time, the low-level jet will undergo an increase this evening resulting in a substantial increase in storm-relative helicity, especially over southeast NM into southwest TX. This will occur as temperature-dewpoint spreads decrease as a result of both nocturnal cooling and an increase in low-level moisture. Thus discrete storms that develop over the higher terrain of southeast NM will interact with an environment increasingly favorable for supercells with low-level mesocyclones and tornadoes.

Farther north across northeast NM, the tornado/severe threat will persist but numerous storm mergers might eventually contribute to upscale growth into lines/clusters with an increasing threat for damaging wind as storms move from northeast NM into southeast CO. An mcd for southeast CO will be issued shortly.

..Dial.. 05/09/2017

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

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