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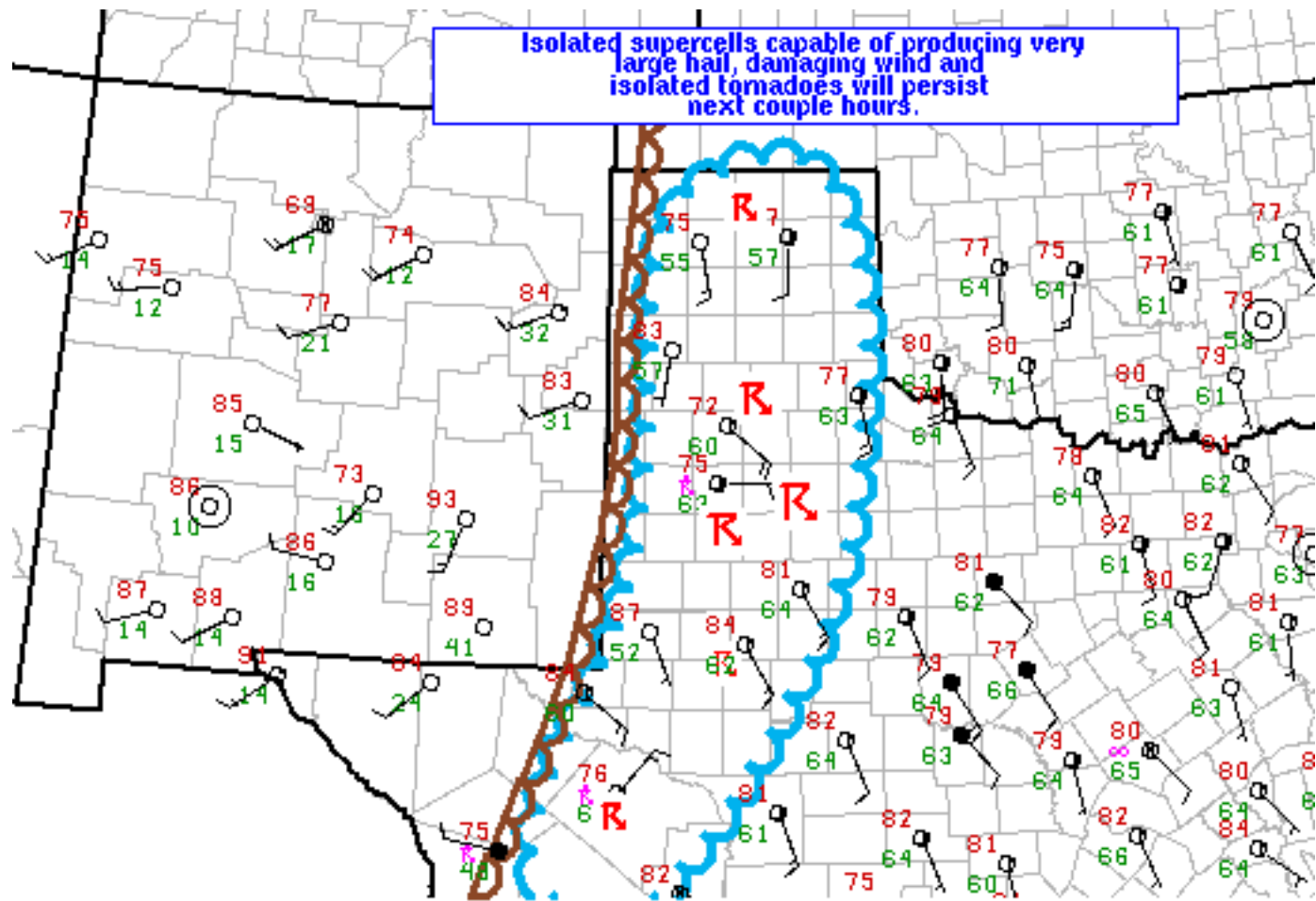
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SPC MCD #0547

Mesoscale Discussion 0547

NWS Storm Prediction Center Norman OK

0614 PM CDT Sun May 05 2019

Areas affected...west Texas

Concerning...Severe Thunderstorm Watch [132](#)...[133](#)...

Valid 052314Z - 060045Z

The severe weather threat for Severe Thunderstorm Watch 132, 133 continues.

SUMMARY...Isolated supercells capable of producing very large hail, locally damaging wind gusts and isolated tornadoes will persist next few hours.

DISCUSSION...Early this evening isolated storms that developed along the dryline have matured across west Texas with several supercells in progress. The atmosphere in this region is strongly unstable with 2000-3000 J/kg MLCAPE, steep mid level lapse rates and



effective-bulk shear of 40-50 kt. The Lubbock VWP adjusted for southeast winds south of the outflow boundary indicate sufficient 0-1 km storm relative helicity for low-level mesocyclones, and further enlargement of the hodograph is likely as the low-level jet increases. These factors along with unimpeded moist inflow suggest the supercell south of Lubbock might remain capable of producing occasional tornadoes during the next hour. With time, storm and outflow boundary interactions may contribute to some upscale growth to lines and clusters as activity develops east.

..Dial.. 05/05/2019

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

ATTN...WFO...SJT...LUB...AMA...MAF...

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