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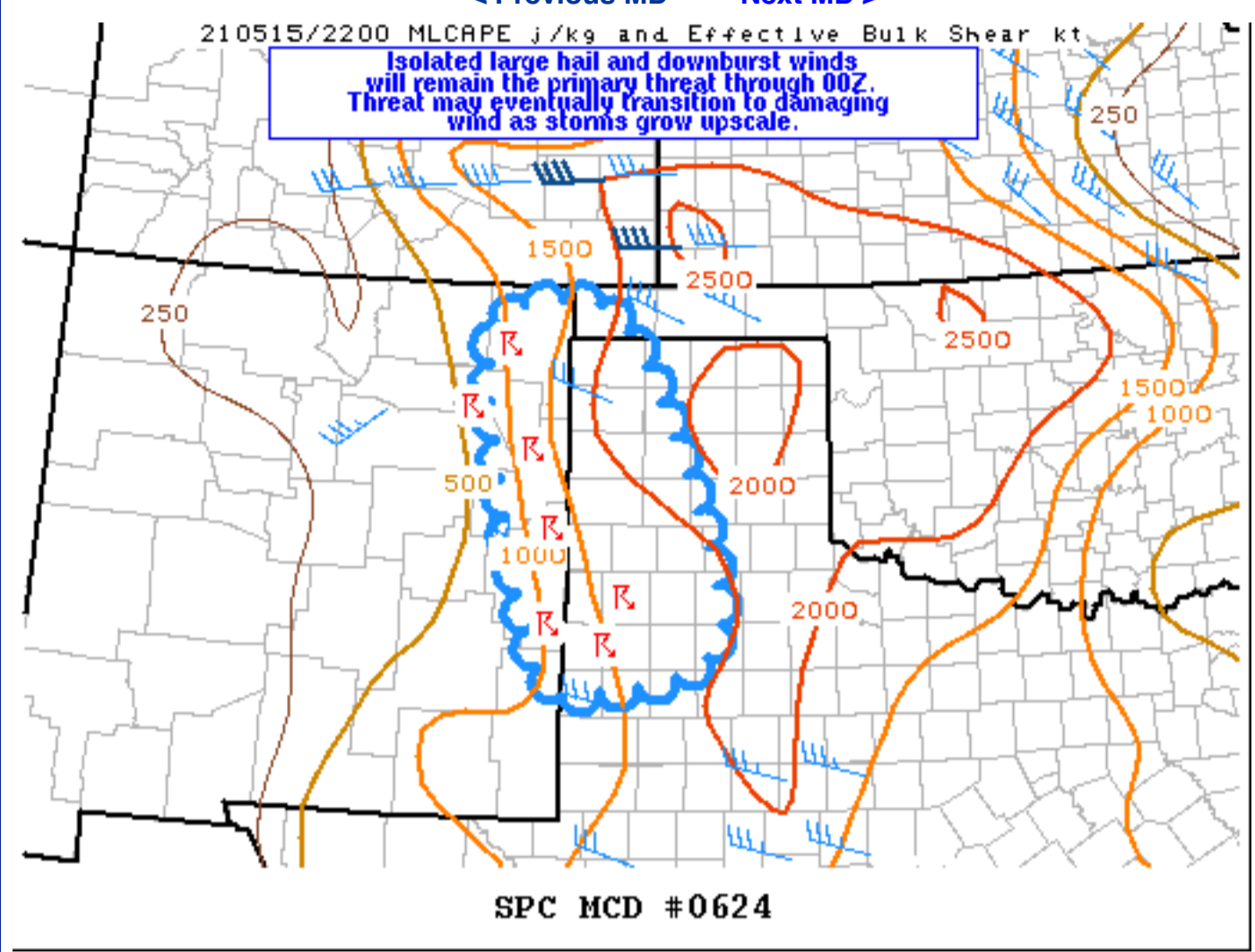
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Mesoscale Discussion 624

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Mesoscale Discussion 0624
 NWS Storm Prediction Center Norman OK
 0556 PM CDT Sat May 15 2021

Areas affected...eastern New Mexico through western Texas

Concerning...Severe Thunderstorm Watch 172...

Valid 152256Z - 160030Z

The severe weather threat for Severe Thunderstorm Watch 172 continues.

SUMMARY...Isolated large hail and downburst winds remain possible through early evening with storms spreading east through the High Plains of eastern New Mexico and western Texas.

DISCUSSION...Scattered high-based storms continue developing across the High Plains and spreading east off the higher terrain of eastern NM. Winds aloft are relatively weak with 20 kt at 500 mb resulting in less than 30 kt effective bulk shear. This environment is promoting outflow dominant multicells. Given the large number of storms, the convective outflow boundaries should congeal and contribute to development of a forward-propagating line of storms through west TX where the atmosphere is moderately unstable in the presence of a strengthening southerly low-level jet. As storms grow upscale, the threat should transition from isolated large hail and downburst winds to mostly damaging wind before storms weaken toward late evening as the boundary layer begins to stabilize.

..Dial.. 05/15/2021

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

ATTN...WFO...LUB...AMA...MAF...ABQ...

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