



Local forecast by "City, St" or "ZIP"

City, St

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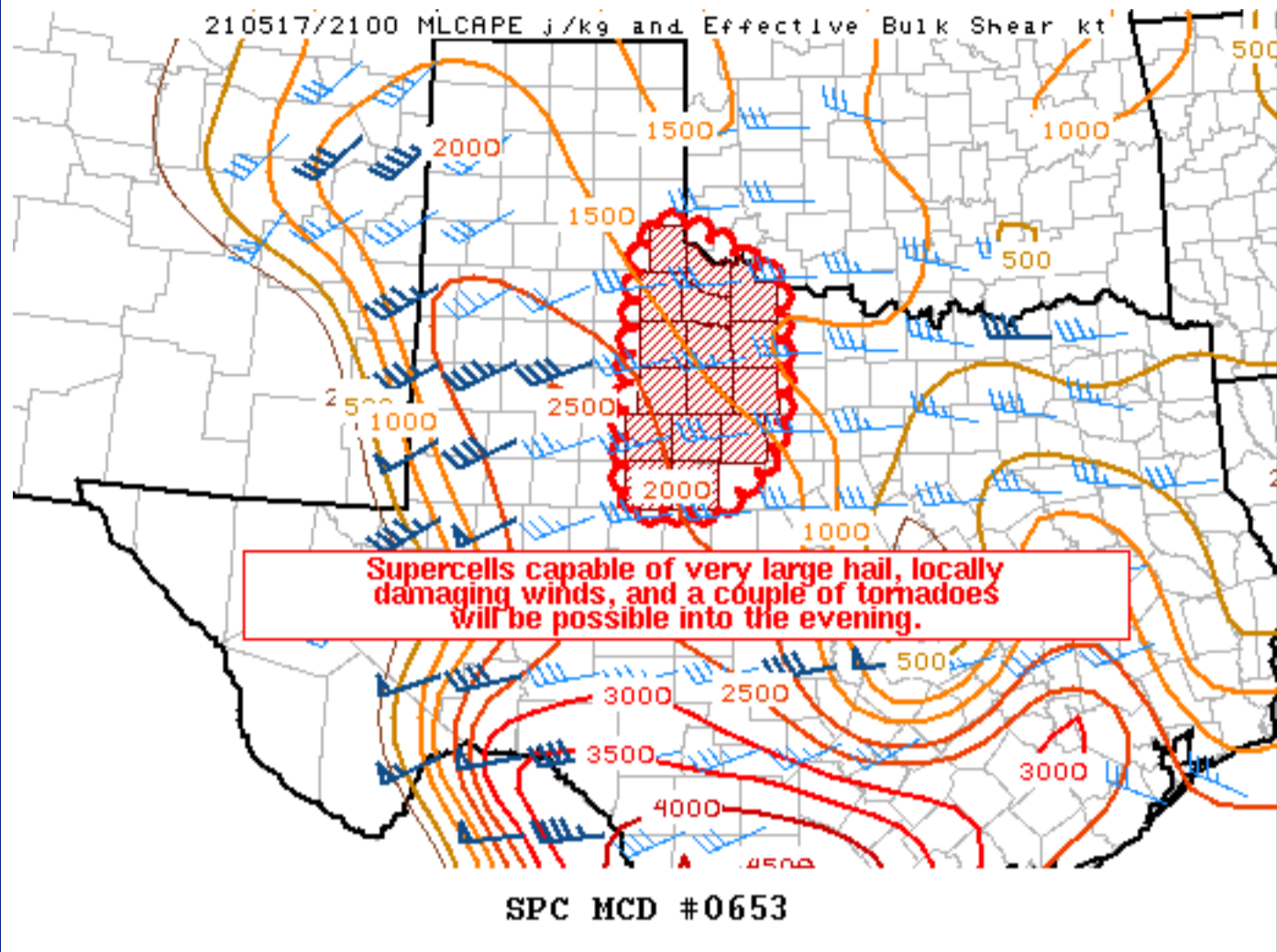
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Mesoscale Discussion 653

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Mesoscale Discussion 0653
 NWS Storm Prediction Center Norman OK
 0453 PM CDT Mon May 17 2021

Areas affected...Northwest TX

Concerning...Tornado Watch 183...

Valid 172153Z - 172330Z

The severe weather threat for Tornado Watch 183 continues.

SUMMARY...Thunderstorms capable of producing very large hail, locally severe wind gusts, and a couple of tornadoes will be possible into the evening.

DISCUSSION...At 2145Z, strong thunderstorms have developed along an outflow boundary across portions of northwest TX. Relatively strong heating on both sides of the boundary has largely removed MLCINH, so continued intensification and development is expected into the early evening. Moderate-to-strong instability (MLCAPE of 1500-2500 J/kg), effective shear of 35-45 kt, and steep midlevel lapse rates will support very large hail (potentially baseball-size or larger) with the strongest cells. While low-level flow is currently weak, some tornado risk may evolve with any supercell interacting with the boundary, especially as the low-level jet begins to increase toward evening. With generally steep low-level lapse rates across the area, isolated severe wind gusts will also be possible. Some upscale growth is possible this evening in conjunction with the intensifying low-level jet, which would increase the threat of damaging wind with time.

..Dean.. 05/17/2021

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

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 32090067 32250066 32620066 32740066 32960066 34310052
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