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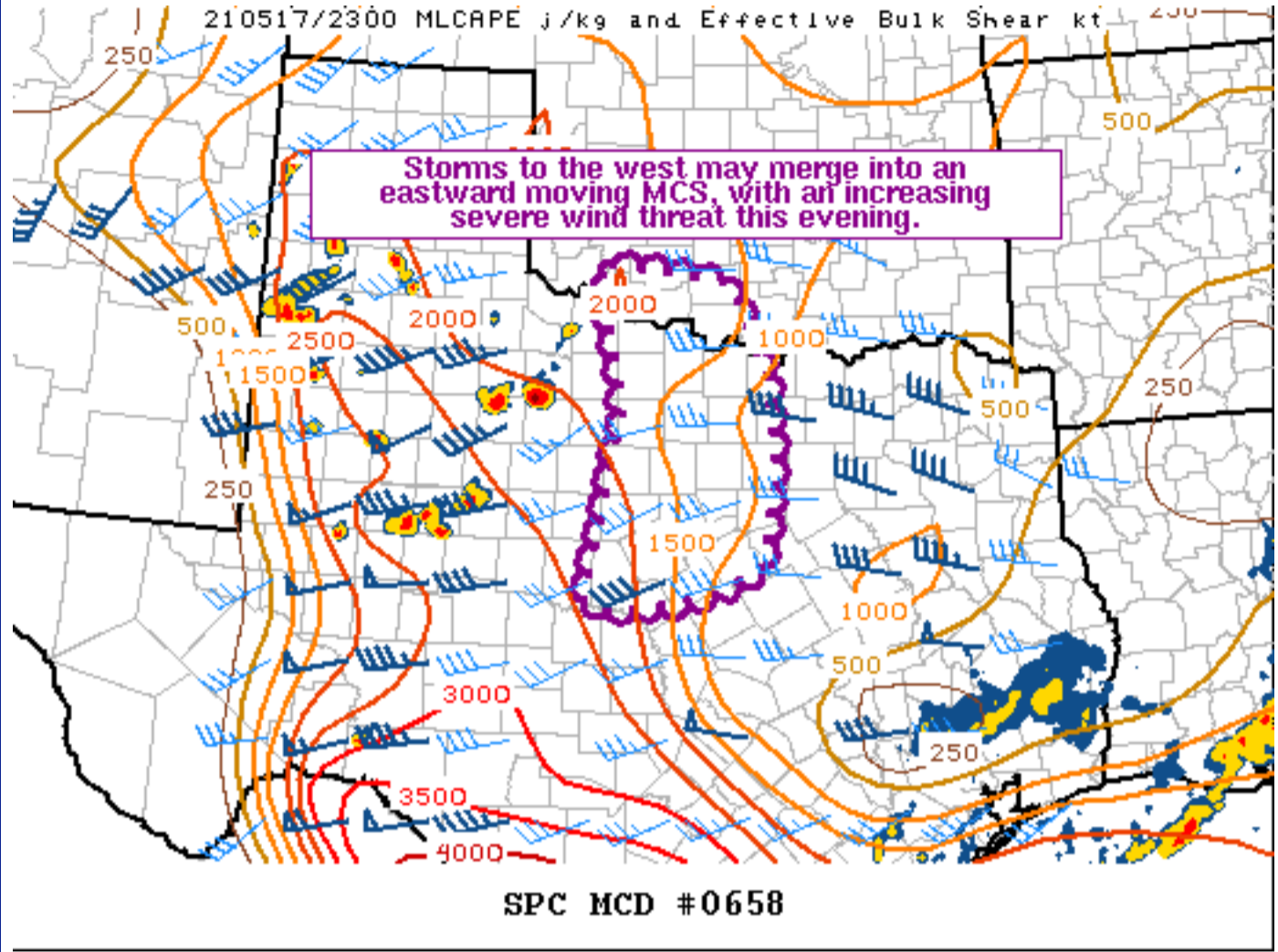
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Mesoscale Discussion 658

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Mesoscale Discussion 0658
 NWS Storm Prediction Center Norman OK
 0704 PM CDT Mon May 17 2021

Areas affected...North TX...Southwest OK

Concerning...Severe potential...Watch likely

Valid 180004Z - 180130Z

Probability of Watch Issuance...95 percent

SUMMARY...Storms across northwest TX may merge into an eastward-moving cluster this evening, increasing the severe wind risk downstream. Watch issuance is likely.

DISCUSSION...At 00Z, intense supercells are ongoing across northwest TX. Storm coverage continues to gradually increase, and will likely continue to do so this evening due to cell mergers and gradually increasing low-level flow. An eastward-moving cluster is expected to eventually develop, though the exact timing remains uncertain. MLCINH increases substantially with eastward extent, so storms may initially struggle to advance to the east until more of a cold pool becomes established with ongoing convection across northwest TX. Eventually, a forward-propagating system is expected to move into portions of southwest OK and north-central TX, with a primary risk of damaging wind, though large hail will also continue to be possible with the strongest updrafts. Watch issuance may be needed by 01Z to cover this threat.

..Dean/Grams.. 05/18/2021

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

ATTN...WFO...FWD...OUN...SJT...

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