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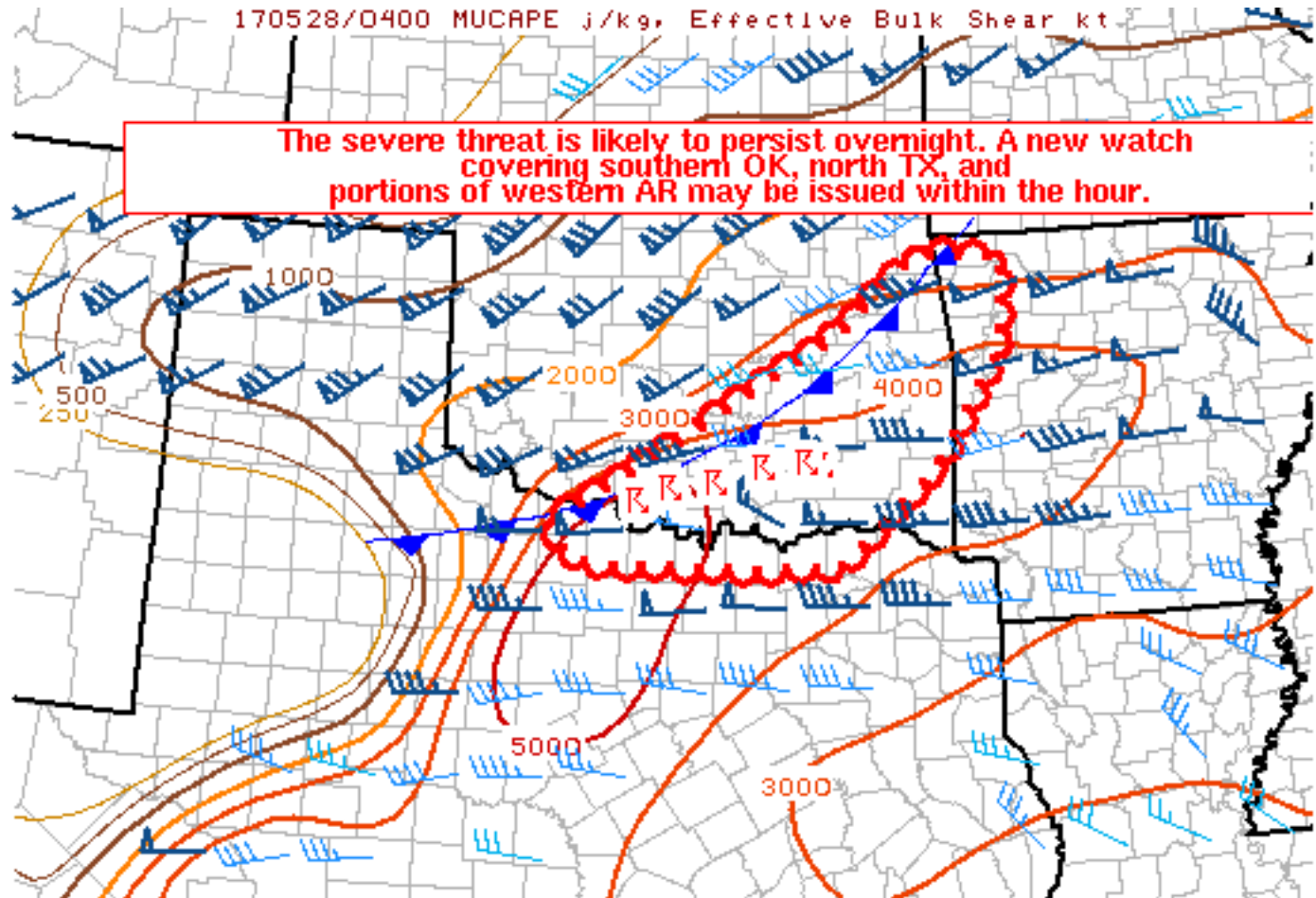
SPC Feedback

Mesoscale Discussion 890

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170528/0400 MUCAPE j/kg, Effective Bulk Shear kt



The severe threat is likely to persist overnight. A new watch covering southern OK, north TX, and portions of western AR may be issued within the hour.

SPC MCD #0890

Mesoscale Discussion 0890

NWS Storm Prediction Center Norman OK

1147 PM CDT Sat May 27 2017

Areas affected...Southern/eastern OK...North TX...Western AR

Concerning...Tornado Watch 279...

Valid 280447Z - 280545Z

The severe weather threat for Tornado Watch 279 continues.

SUMMARY...The severe threat will likely continue beyond the 05Z issuance time of WW 279. A new watch and/or local watch extensions across portions of southern/eastern OK and western AR will be necessary, with watch issuance into north TX possible within the hour or two.

DISCUSSION...An intense cluster of thunderstorms is ongoing across southern OK at 0430Z. This activity is being focused along an outflow-enhanced cold front that extends into western portions of

north TX, and some backbuilding has recently been noted into portions of Clay and Wichita Counties in TX. Strong to extreme buoyancy continues to feed into this cluster, with effective shear more than sufficient to maintain embedded supercell structures with a threat of large hail and damaging wind. The increasingly linear mode is not particularly favorable for tornadoes, but with strong instability and increasing low-level shear into the overnight hours, some threat for a tornado or two with embedded circulations will continue.

With an increasing low-level jet (approaching 50 kts according to KFWD VWP) and approaching vort max from the west, the thunderstorm cluster is likely to maintain its intensity well past the 05Z expiration time of [WW 279](#), with some additional backbuilding possible into western north TX, and slow southward propagation into north-central TX overnight. The severe threat will also continue across eastern OK into northwest AR with ongoing intense storms. With these factors in mind, a new watch and/or local watch extension will likely be needed across portions of southern/eastern OK and western AR shortly, with new watch issuance into north TX possible in the next 1-2 hours.

..Dean/Guyer.. 05/28/2017

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

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