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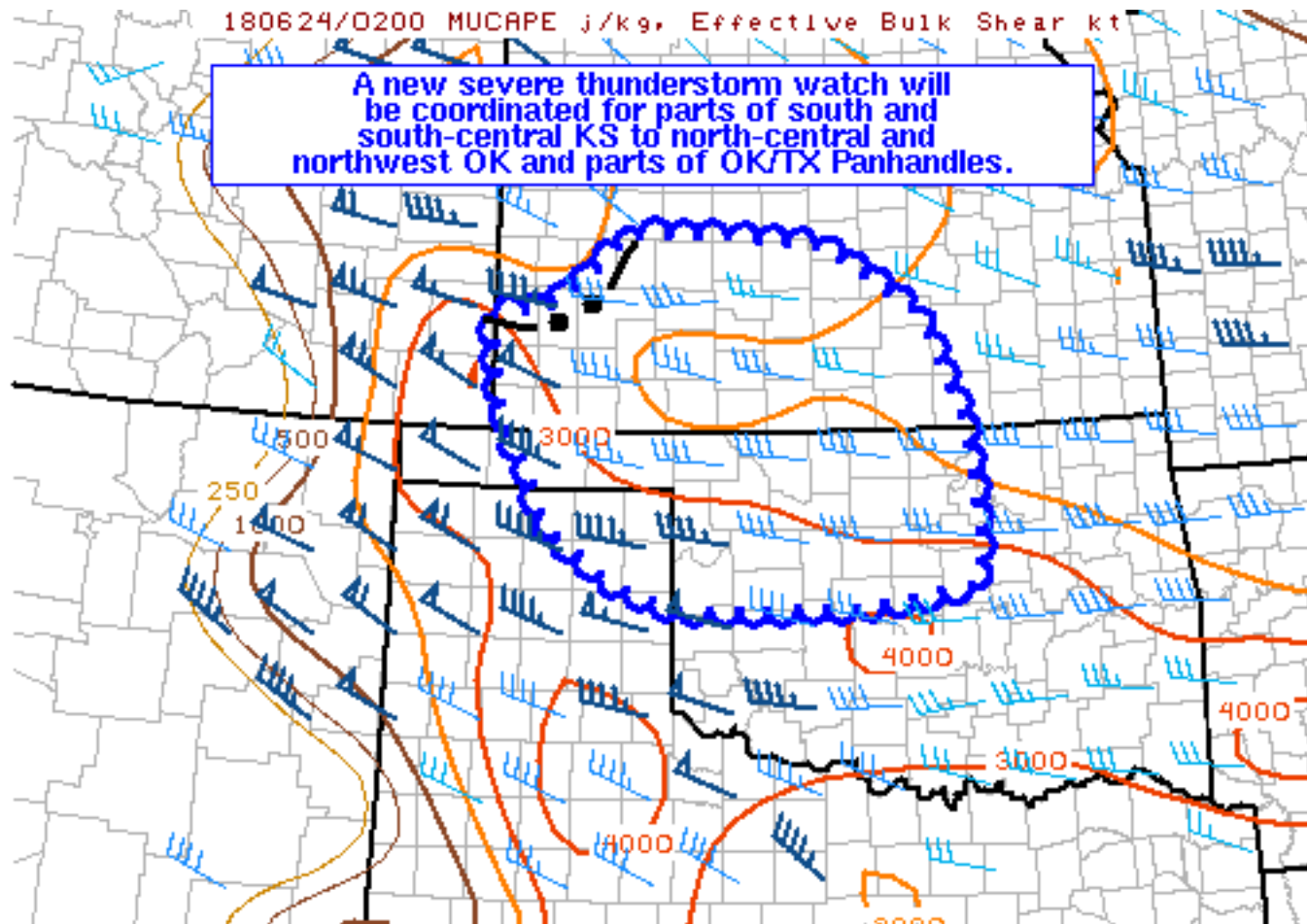
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Mesoscale Discussion 849

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SPC MCD #0849

Mesoscale Discussion 0849

NWS Storm Prediction Center Norman OK

0932 PM CDT Sat Jun 23 2018

Areas affected...Southwest and south-central KS...north-central and northwest OK...and parts of the OK/TX Panhandles

Concerning...Severe Thunderstorm Watch [206](#)...[207](#)...

Valid 240232Z - 240430Z

The severe weather threat for Severe Thunderstorm Watch 206, 207 continues.

SUMMARY...A new severe thunderstorm watch will be coordinated soon for parts of southwest and south-central Kansas, north-central and northwest Oklahoma, and into parts of the Oklahoma and Texas Panhandles. Damaging winds are expected to be the primary severe-weather hazard through the late evening and the overnight.

DISCUSSION...Trends in radar imagery across southwest KS indicated a

recent increase in forward speed (35-40 kt) of the southwest portion of the line of storms across this region in the KS counties of Hamilton and Kearny. Surface observations indicated temperatures in the wake of the storms were in the 50s and 60s, while downstream readings were in the upper 70s and 80s. The cold pool development and the increase in storm motion is likely indicating the impending scenario developing for tonight of a forward-propagating MCS to track southeast into the southern Plains producing damaging winds. The presence of a nearly untapped very unstable downstream environment (MUCAPE 2500-3500 J/kg) across the discussion area, with a strengthening southerly low-level jet at 40-50 kt from west TX into southwest KS through early overnight, veering later tonight toward daybreak Sunday.

Southern parts of [WW 207](#) may be extended in time beyond the 03Z expiration as ongoing and any new storms will continue to pose a severe threat, given the presence of moderately strong instability and effective bulk shear of 45 kt.

..Peters/Grams.. 06/24/2018

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

ATTN...WFO...TSA...ICT...OUN...DDC...GLD...AMA...PUB...

LAT...LON	38010204	38060144	38440086	38740057	38749945	38639830
	38019729	37069681	35949670	35639676	35499791	35469911
	35469989	35680062	36150137	36710161	37090188	38010204

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