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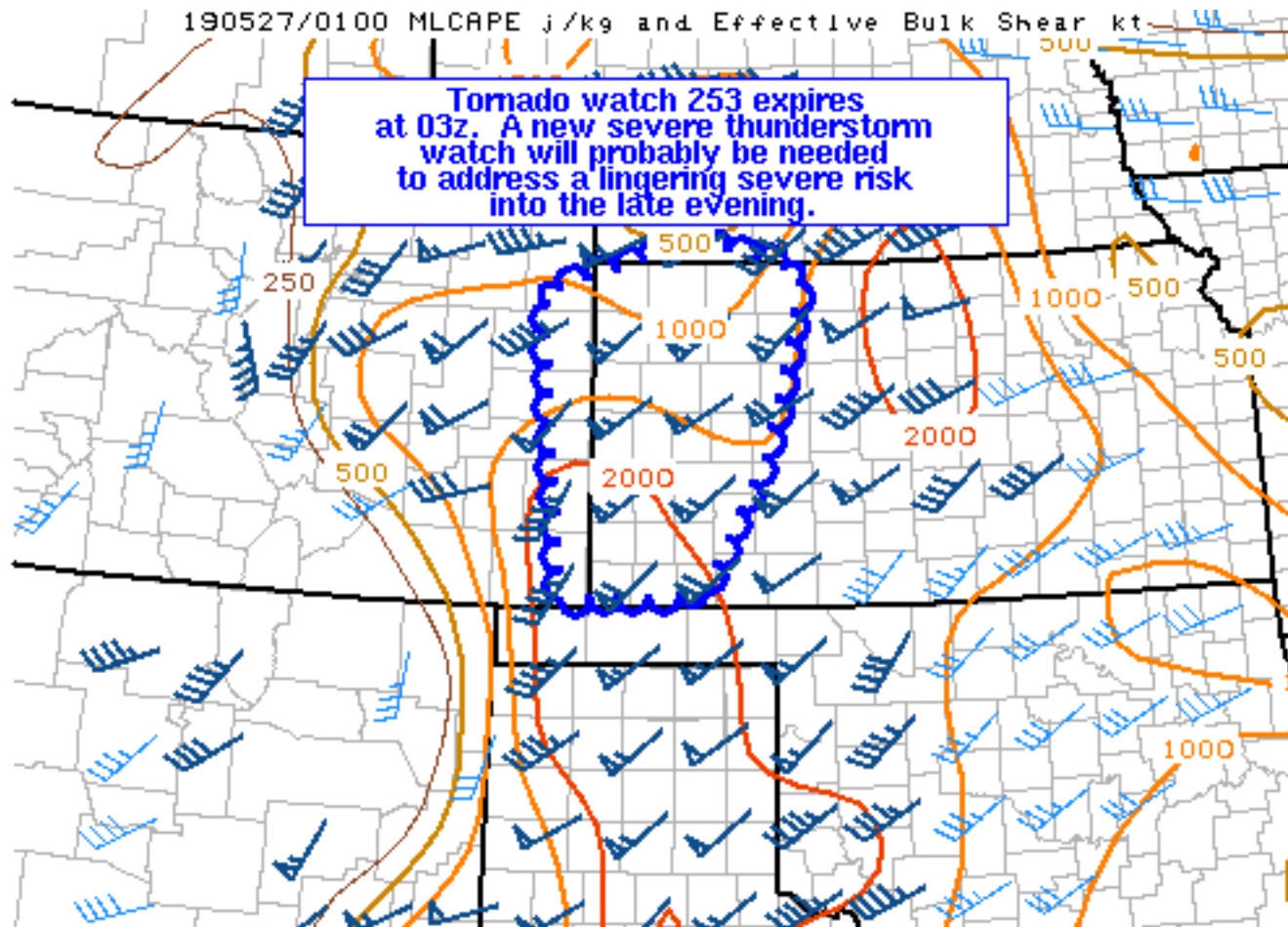
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SPC Feedback

Mesoscale Discussion 824

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SPC MCD #0824

Mesoscale Discussion 0824

NWS Storm Prediction Center Norman OK

0850 PM CDT Sun May 26 2019

Areas affected...western KS...far southwest NE...far eastern CO

Concerning...Tornado Watch [253](#)...

Valid 270150Z - 270245Z

The severe weather threat for Tornado Watch 253 continues.

SUMMARY...Tornado watch 253 expires at 03z. A new severe thunderstorm watch may be needed over western KS to address a lingering severe risk through the late evening and beyond the existing watch's expiration time (03z). Probability of a new severe thunderstorm watch issuance -- 50 percent.

DISCUSSION...Radar mosaic shows a broken squall line from the CO/KS/OK border northward along the KS/CO border. Surface observations indicate an outflow boundary is draped west-east south



of I-70. The 00z Dodge City raob showed a strong wind profile with speed shear in the lowest few km, but considerable convective overturning via earlier day thunderstorm activity has led to weaknesses in moisture quality and in the lapse rate profile.

Current thinking is a continued risk for large hail may accompany the stronger cores north of the outflow boundary near the KS/NE border over the next 2 hours. Surface observations indicate a narrow plume of instability is enabling some recovery over southwest KS ahead of the squall line where dewpoints in the OK Panhandle via the OK Mesonet show middle 60s degrees F. Therefore a risk for severe gusts appears greatest across southwest KS over the next several hours in association with the eastward-moving squall line.

..Smith.. 05/27/2019

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

ATTN...WFO...GID...DDC...GLD...PUB...

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