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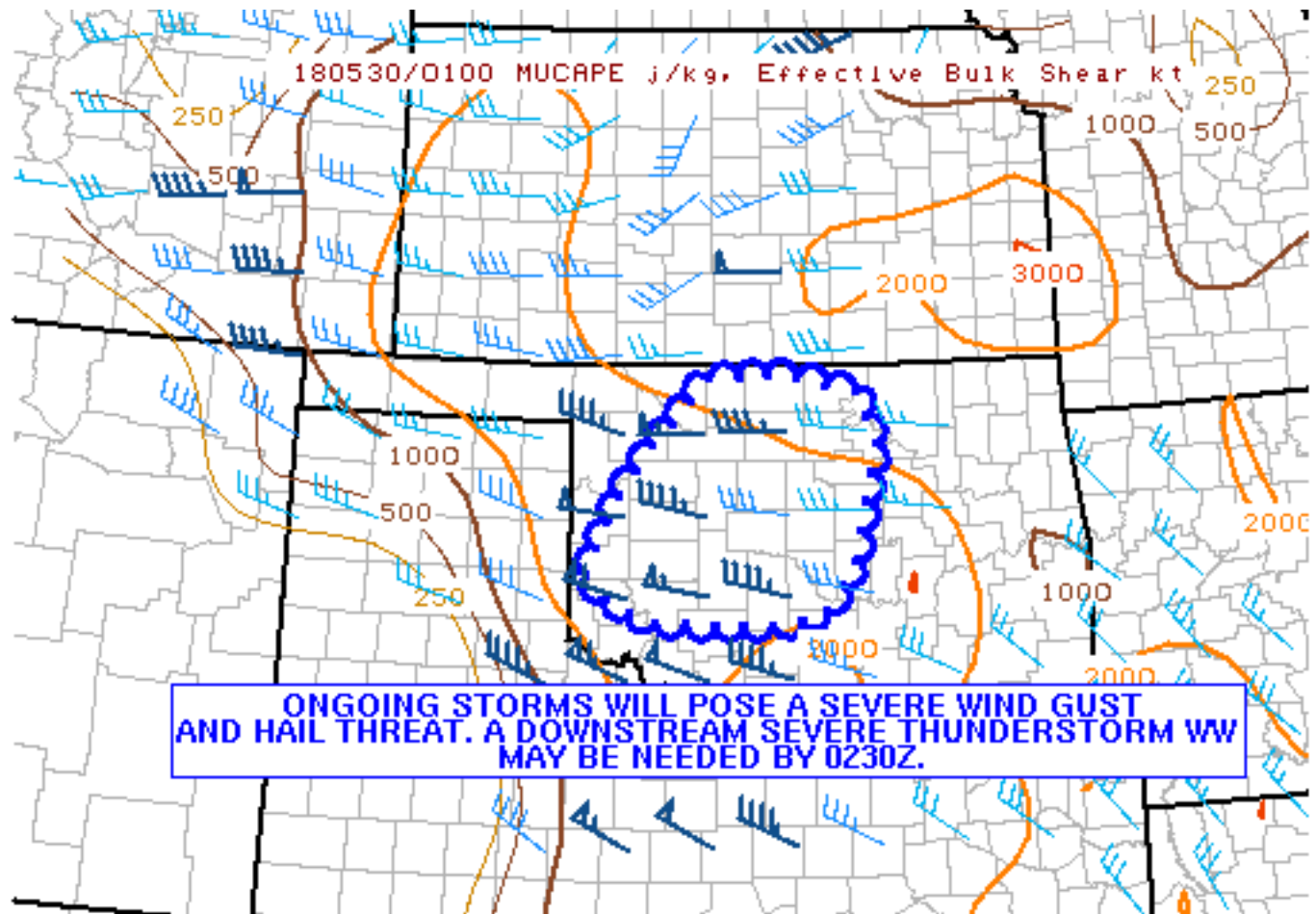
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Mesoscale Discussion 573

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SPC MCD #0573

Mesoscale Discussion 0573

NWS Storm Prediction Center Norman OK

0910 PM CDT Tue May 29 2018

Areas affected...South Central Kansas...Northwest and Central Oklahoma

Concerning...Severe potential...Watch possible

Valid 300210Z - 300415Z

Probability of Watch Issuance...60 percent

SUMMARY...Storms within [WW 131](#) have shown some signs of upscale growth over the last hour. Severe wind gusts and isolated still remain possible with ongoing storms. Downstream severe thunderstorm watch issuance is possible should convective trends warrant.

DISCUSSION...Ongoing storms in northwest and west-central Oklahoma have remained semi-discrete; however, signs of upscale growth are appearing on radar with several new cells developing in northwest

Oklahoma atop the outflow from earlier convection. Effective shear values from RAP analysis, supported by KTLX and KFDR VAD profiles, remain high at 30-55 kts. Some elevated instability still remains per OUN and LMN 00Z soundings with MUCAPE at 1500-2000 J/kg. Latest CAM guidance still suggests that continued upscale growth should occur over the next hour or two with primary threats being severe wind gusts and isolated hail. Still, uncertainty exists with exact evolution and coverage of storms through the evening. A downstream severe thunderstorm is possible by 0230Z should upscale growth trends become clear.

..Wendt/Thompson.. 05/30/2018

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

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