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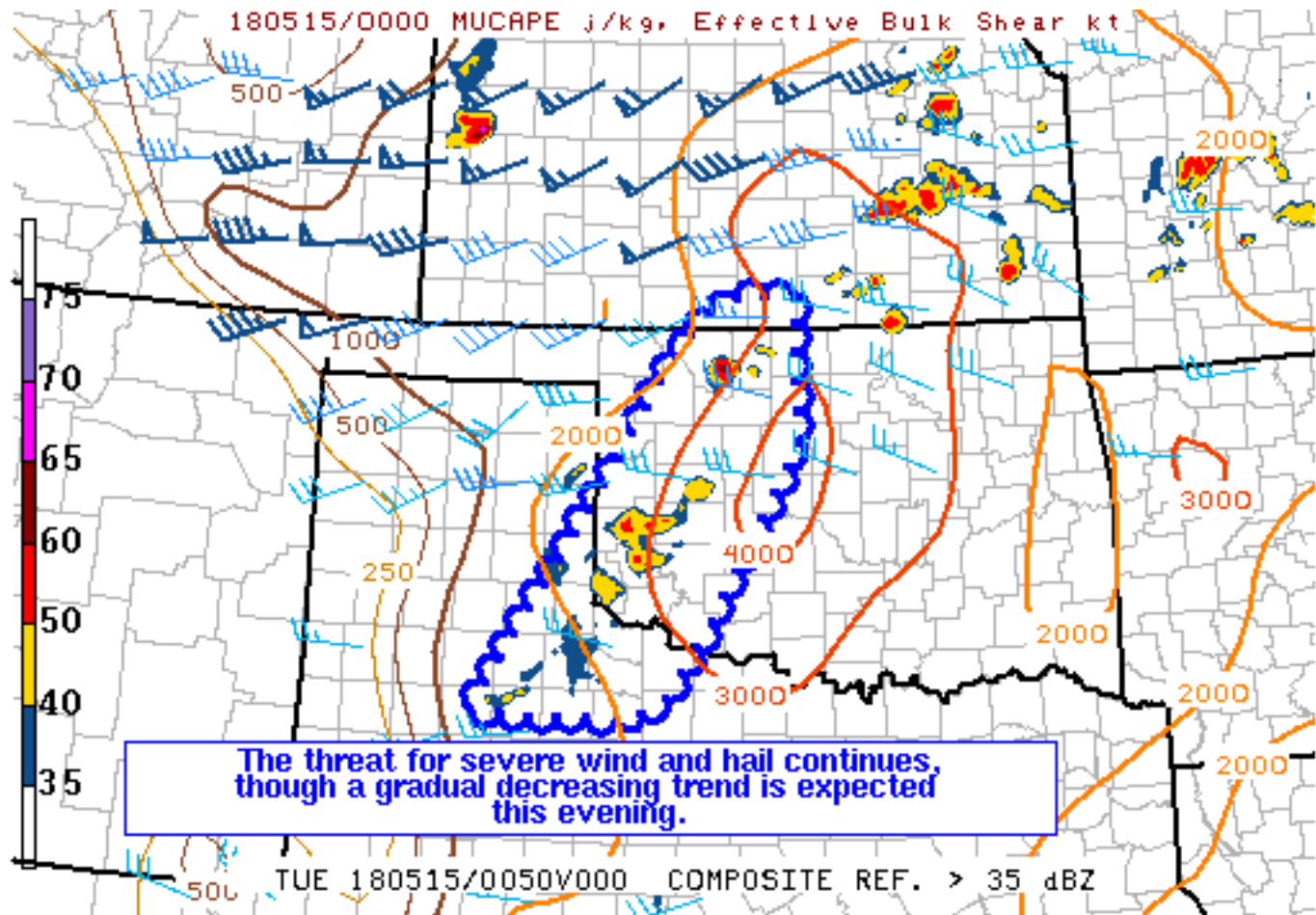
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## Mesoscale Discussion 420

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SPC MCD #0420

Mesoscale Discussion 0420

NWS Storm Prediction Center Norman OK

0805 PM CDT Mon May 14 2018

Areas affected...Western OK...Northwest TX...Far South-central KS

Concerning...Severe Thunderstorm Watch 89...91...

Valid 150105Z - 150230Z

The severe weather threat for Severe Thunderstorm Watch 89, 91 continues.

SUMMARY...The threat for severe hail and wind continues across WW 91, but a decreasing trend is expected this evening.

DISCUSSION...Potentially severe thunderstorms are ongoing across portions of northwest OK, and also far southwest OK at 01Z. However, the cluster that earlier produced 65+ kt wind gusts around Childress into far southwest OK has weakened rapidly over the past 30 minutes, with outflow surging well ahead of the trailing convection. While



strong instability was noted on the 00Z OUN sounding, weak midlevel flow and increasing SB CINH with time this evening should continue to result in a weakening trend with ongoing convection, though the strongest updrafts will remain capable of large hail and locally damaging wind in the short term. Downstream watch issuance or extension into central OK does not seem warranted at this time, though the decaying convective system may continue to produce locally gusty winds into mid/late evening.

Further north, a left-moving supercell is approaching south-central KS at 01Z. A narrow corridor of strong instability (between a cold front to the north and outflow to the southeast) is in place downstream of this cell, and it will likely continue to pose a threat of very large hail as it moves northeast into south-central KS.

..Dean.. 05/15/2018

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

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