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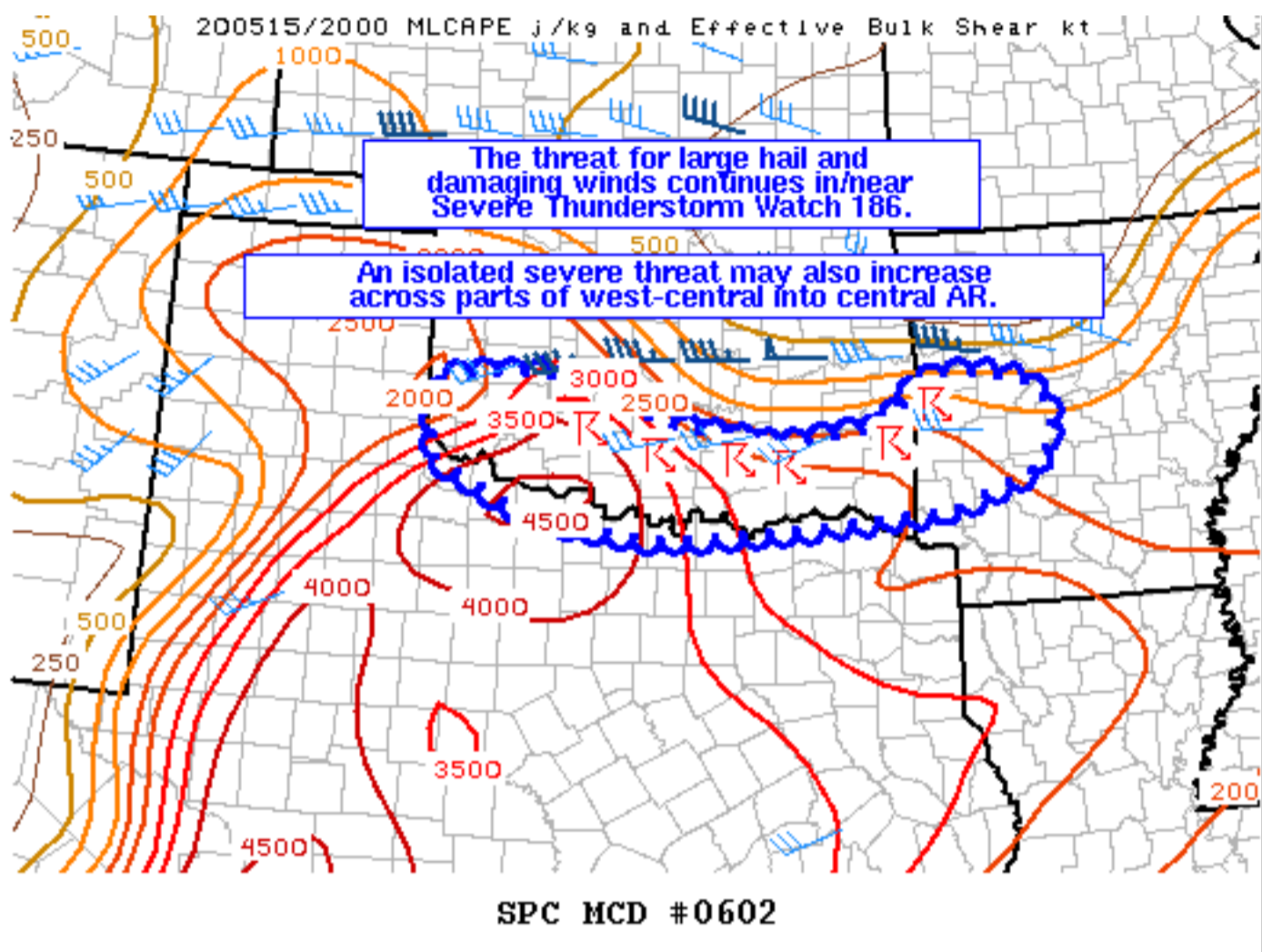
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Mesoscale Discussion 602

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SPC MCD #0602

Mesoscale Discussion 0602
NWS Storm Prediction Center Norman OK
0336 PM CDT Fri May 15 2020

Areas affected...Portions of southern OK...north TX...and far west-central AR

Concerning...Severe Thunderstorm Watch [186](#)...

Valid 152036Z - 152200Z

The severe weather threat for Severe Thunderstorm Watch 186 continues.

SUMMARY...The threat for large hail and damaging winds continues in/near Severe Thunderstorm Watch 186. An isolated severe threat may also increase into parts of west-central and central AR.

DISCUSSION...Outflow continues to surge south-southwestward ahead of a slowly southward-moving band of storms across central/eastern OK. Back-building is occurring on the southwestern flank of this band as modest southwesterly low-level flow occurs across southwestern OK. The greatest near-term severe hail/wind risk will probably be focused over southwestern OK and vicinity where instability is maximized and the strongest updrafts have been observed. Additional storms may form over parts of western north TX in the next hour or so to the east of a surface low and dryline. These storms would likely become severe rather quickly if they form.

Farther east, a severe storm south of Fort Smith AR should continue east-southeastward into parts of west-central AR along an instability gradient/outflow boundary from earlier storms. Recent radar imagery from KSRX suggests that a small MCV may be forming, which could allow this ongoing convection to evolve into a cluster and persist farther east. Trends will continue to be monitored for an increasing severe hail/wind threat across parts of west-central and central AR over the next few hours.

..Gleason.. 05/15/2020

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

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