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City, St Go

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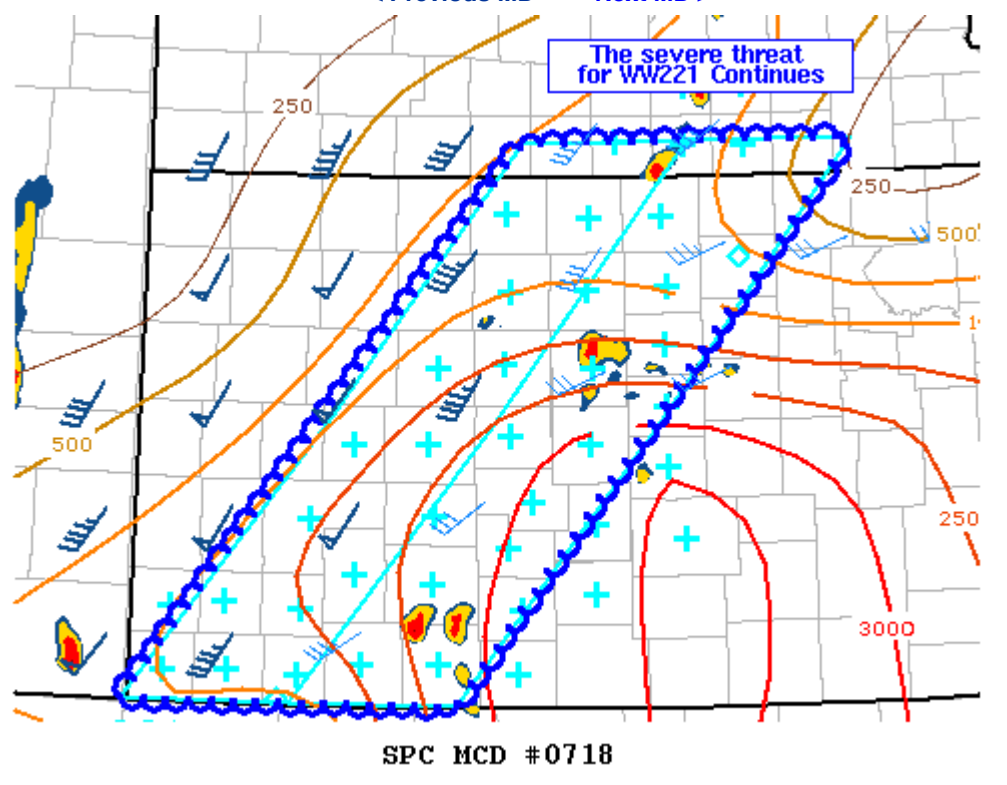
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Mesoscale Discussion 718

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Mesoscale Discussion 0718
 NWS Storm Prediction Center Norman OK
 0830 PM CDT Sun May 24 2020

Areas affected...Central Kansas

Concerning...Severe Thunderstorm Watch 221...

Valid 250130Z - 250230Z

The severe weather threat for Severe Thunderstorm Watch 221 continues.

SUMMARY...Several clusters of severe storms are ongoing across [WW221](#). Severe hail and wind are likely to continue with storms across Kansas through 0500z. Thus, the severe threat continues for [WW221](#).

DISCUSSION...Several clusters of strong to severe storms have maintained their intensity along and east of slow moving cold front across western Kansas. MLCAPE of 2000-3500 J/kg will continue to support robust updrafts through the 0500z expiration time of [WW221](#). Severe hail remains the primary threat for the next couple of hours with the strong instability and steep mid-level lapse rates. Recent reports of greater than 2 inch hail across southwest and central Kansas lends support for a continued severe hail threat. While vertical shear remains relatively limited at 20-30 kt, the increase in the nocturnal low-level jet may promote some additional development and organization over the next couple of hours. This would support a greater threat for damaging winds with increased momentum transfer in ongoing downdrafts. Hi-resolution guidance supports this scenario, particularly across central Kansas, where upscale growth appears likely.

..Lyons.. 05/25/2020

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

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