

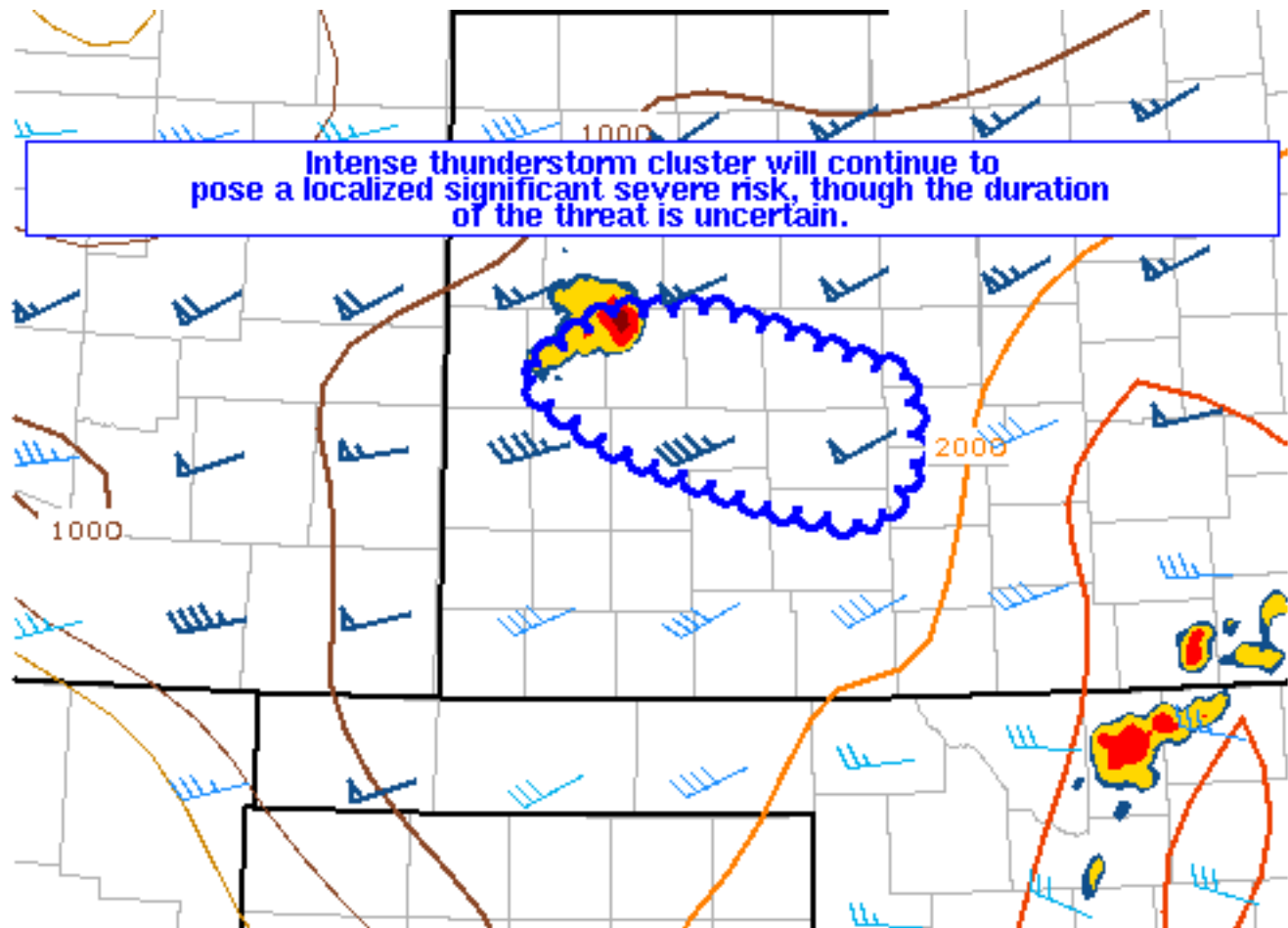
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Mesoscale Discussion 421

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SPC MCD #0421

Mesoscale Discussion 0421

NWS Storm Prediction Center Norman OK

0832 PM CDT Mon May 14 2018

Areas affected...Western KS

Concerning...Severe potential...Watch unlikely

Valid 150132Z - 150300Z

Probability of Watch Issuance...20 percent

SUMMARY...The long-lived intense thunderstorm cluster across western KS will continue to pose a localized significant severe risk in the short term, though the duration of the threat is uncertain.

DISCUSSION...At 0130Z, an intense supercell cluster was moving southeast across west-central KS. The cluster is likely slightly elevated, given its presentation on visible satellite imagery and location north of a surface boundary, but moderate instability and effective shear of 40-50 kt has allowed the cluster to become well



organized. While effective shear will remain favorable downstream, the thermodynamic environment is expected to become increasingly hostile, as SB CINH increases. This cluster will likely become increasingly elevated with time, and with the low-level jet expected to be focused east of this area, a gradual decreasing trend is expected later this evening.

Given the very localized nature and expected limited duration of the threat, no watch issuance is currently anticipated unless additional upscale growth occurs. However, until a definitive weakening trend commences, wind-driven large hail capable of significant damage will continue to be a threat with this system.

..Dean/Hart.. 05/15/2018

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

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