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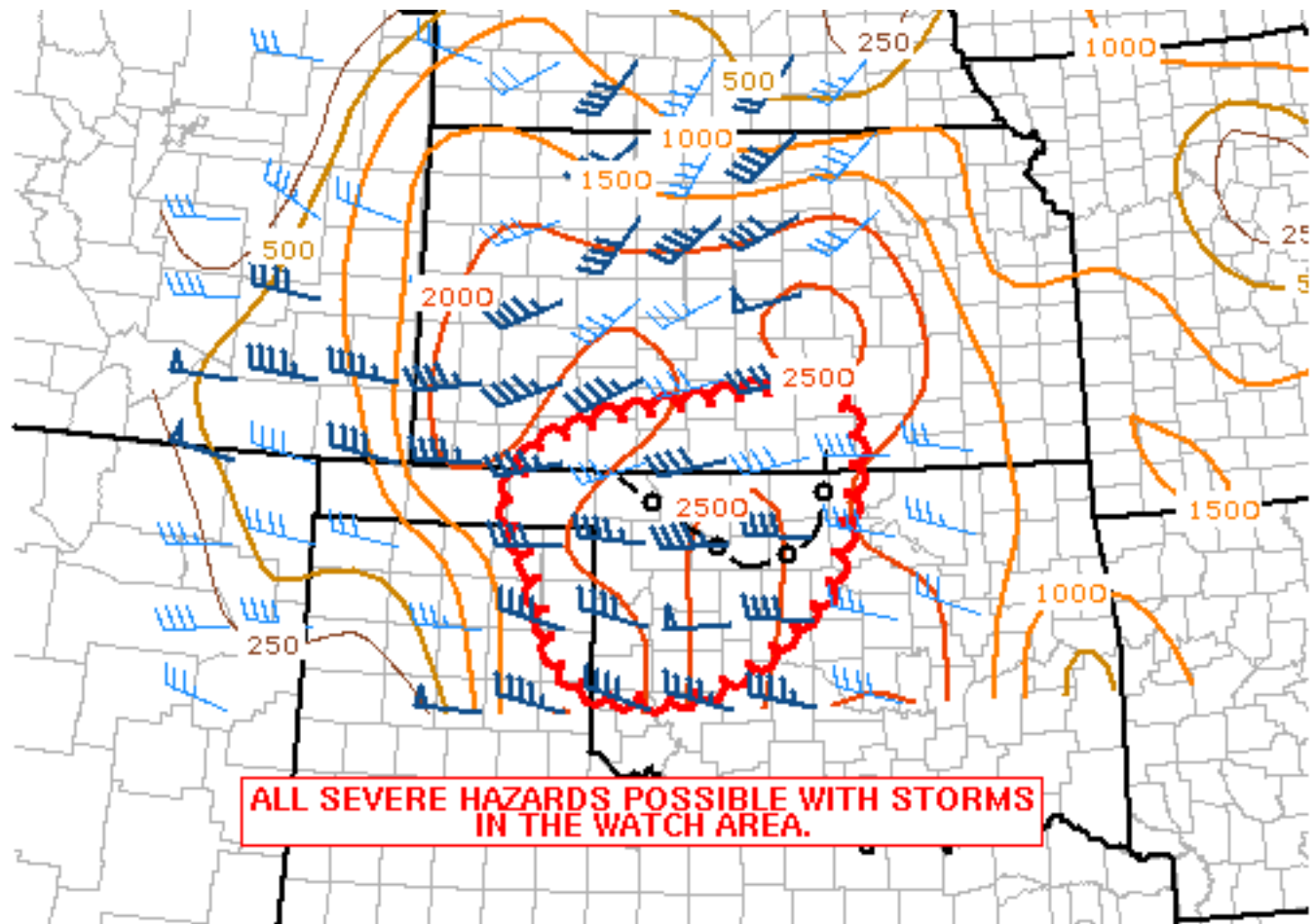
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Mesoscale Discussion 571

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SPC MCD #0571

Mesoscale Discussion 0571

NWS Storm Prediction Center Norman OK

0556 PM CDT Tue May 29 2018

Areas affected...South Central Kansas...Northwest
Oklahoma...Northeast Texas PanhandleConcerning...Severe Thunderstorm Watch [131](#)...

Valid 292256Z - 300100Z

The severe weather threat for Severe Thunderstorm Watch 131
continues.SUMMARY...Discrete storms are ongoing in northwest Oklahoma and the
eastern Texas Panhandle. Severe hail has been reported with some of
these storms, including 2 inch report in Comanche County, KS. All
severe hazards remain possible with these storms. With time, storms
are expected to grow upscale and pose primarily a severe wind and
hail threat.

DISCUSSION...A storm along the Oklahoma/Kansas border has exhibited a propensity for large hail over the last two hours with several reports greater than 1.5 inches and one 2 inch report in Comanche County, KS. This storm has also exhibited a right-turn on radar over the last hour along with increased rotation on KVNK radar. This storm appears to be riding along the outflow boundary situated in north-central Oklahoma. The most favorable tornado environment will exist in this region with greater surface moisture and augmented low-level shear associated with the outflow boundary.

Along the dryline in the eastern Texas Panhandle, a few discrete storms have formed and have quickly become severe. One dominant supercell near has exhibited strong, rightward deviant storm motion and has increased rotation velocities on KAMA radar. A 2.75 inch hail and a funnel cloud have been recently reported with this storm. A left-moving supercell continues moving into Beaver County, OK and poses a hail threat.

Altogether, MRMS MESH values of at least an inch -- with the strongest storms having 2-3 inches -- have been persistent with all storms. All severe hazards will be possible with any supercell at least for the next few hours. With time, upscale growth of storms should lead to a more linear storm mode with severe winds and hail being the primary threats.

..Wendt.. 05/29/2018

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

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