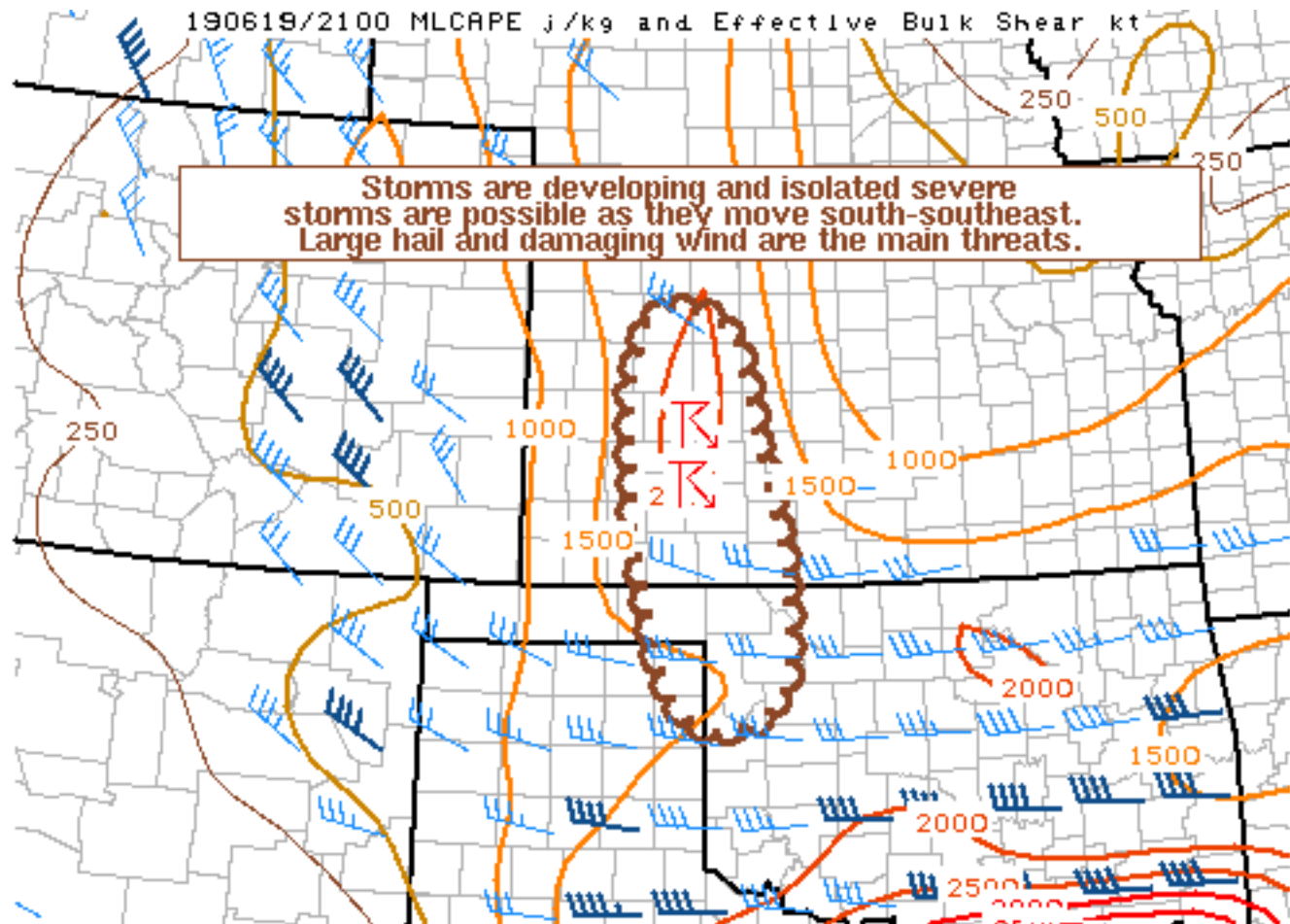


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Mesoscale Discussion 1139

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SPC MCD #1139

Mesoscale Discussion 1139

NWS Storm Prediction Center Norman OK

0436 PM CDT Wed Jun 19 2019

Areas affected...portions of southwest Kansas...northwest Oklahoma...Oklahoma/Texas Panhandles

Concerning...Severe potential...Watch unlikely

Valid 192136Z - 192330Z

Probability of Watch Issuance...20 percent

SUMMARY...Storms are developing across western Kansas and will continue to move south-southeast into this evening. Damaging hail and wind are the main threats with a weather watch issuance unlikely, although convective trends will continued to be monitored.

DISCUSSION...Storms are developing along the leading edge of a mid-level trough as it moves southeast across the High Plains. While behind the initial surface front, strong surface heating with enough



residual low-level moisture has resulted in destabilization of this area, aided by the aforementioned forcing for ascent via the shortwave trough. The environment is moderately buoyant with MLCAPE of 1500-2000+ J/kg, but flow through the column is relatively weak with effective bulk shear of 25-35 knots. Storm mode is likely to be multicellular with an embedded supercell and upscale growth into a small QLCS possible.

Storms are likely to continue moving south-southeastward through southwest Kansas and possibly into portions of northwest Oklahoma and eastern Oklahoma/Texas Panhandles later this evening. Large hail and strong winds are possible and convective trends will continued to be monitored moving forward regarding a watch issuance.

..Nauslar/Guyer.. 06/19/2019

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

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