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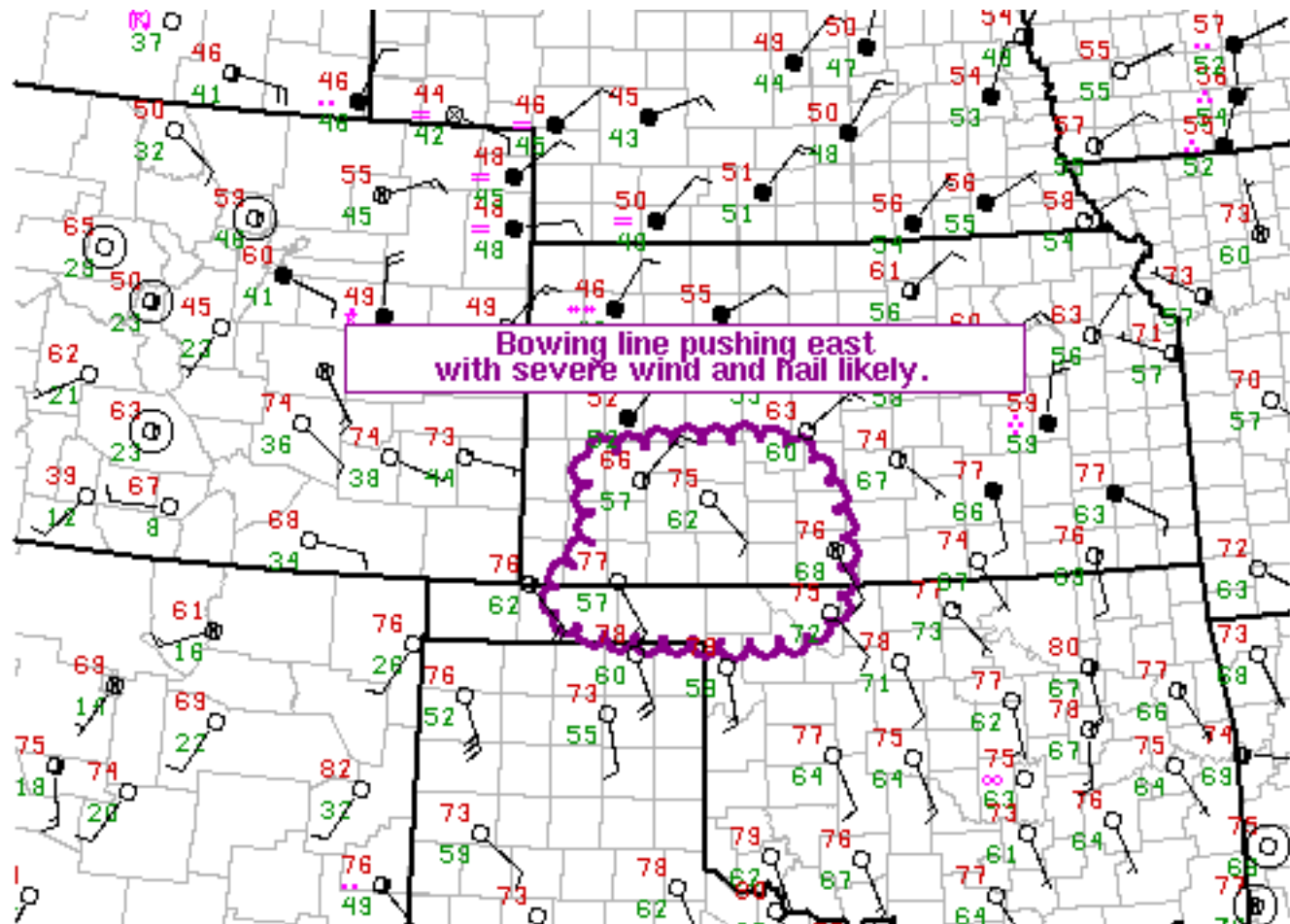
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Mesoscale Discussion 563

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SPC MCD #0563

Mesoscale Discussion 0563

NWS Storm Prediction Center Norman OK

0850 PM CDT Mon May 06 2019

Areas affected...Southwest KS...Eastern OK Panhandle...Northwest OK

 Concerning...Tornado Watch [141](#)...

Valid 070150Z - 070245Z

The severe weather threat for Tornado Watch 141 continues.

SUMMARY...Severe wind gusts and large hail will be the primary hazards as an MCS further matures across mainly southwest KS through late evening. Some potential exists for the severe threat to slip southeast of the border into northwest OK where severe thunderstorm watch issuance is possible.

DISCUSSION...Well-developed MCV is centered in Kearny County, KS on the cool side of a persistent southward-sagging cold front. Additional storm development is underway between this MCV and



supercells centered on Hodgeman and Pawnee counties. 1-km AGL winds in the DDC VWP have increased to around 30 kts from 20 kts on the 00Z sounding. With a strongly unstable air mass (MLCAPE around 3700 J/kg) sampled by the 00Z Lamont sounding, the expectation is for a bowing MCS to further enlarge and potentially intensify as it impinges on the richer boundary-layer moisture. Severe wind gusts and hail will be the primary hazards. Overall tornado threat should be limited by the cold front continuing to push south and undercutting supercells along the west-east axis by about 20 miles.

..Grams.. 05/07/2019

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

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