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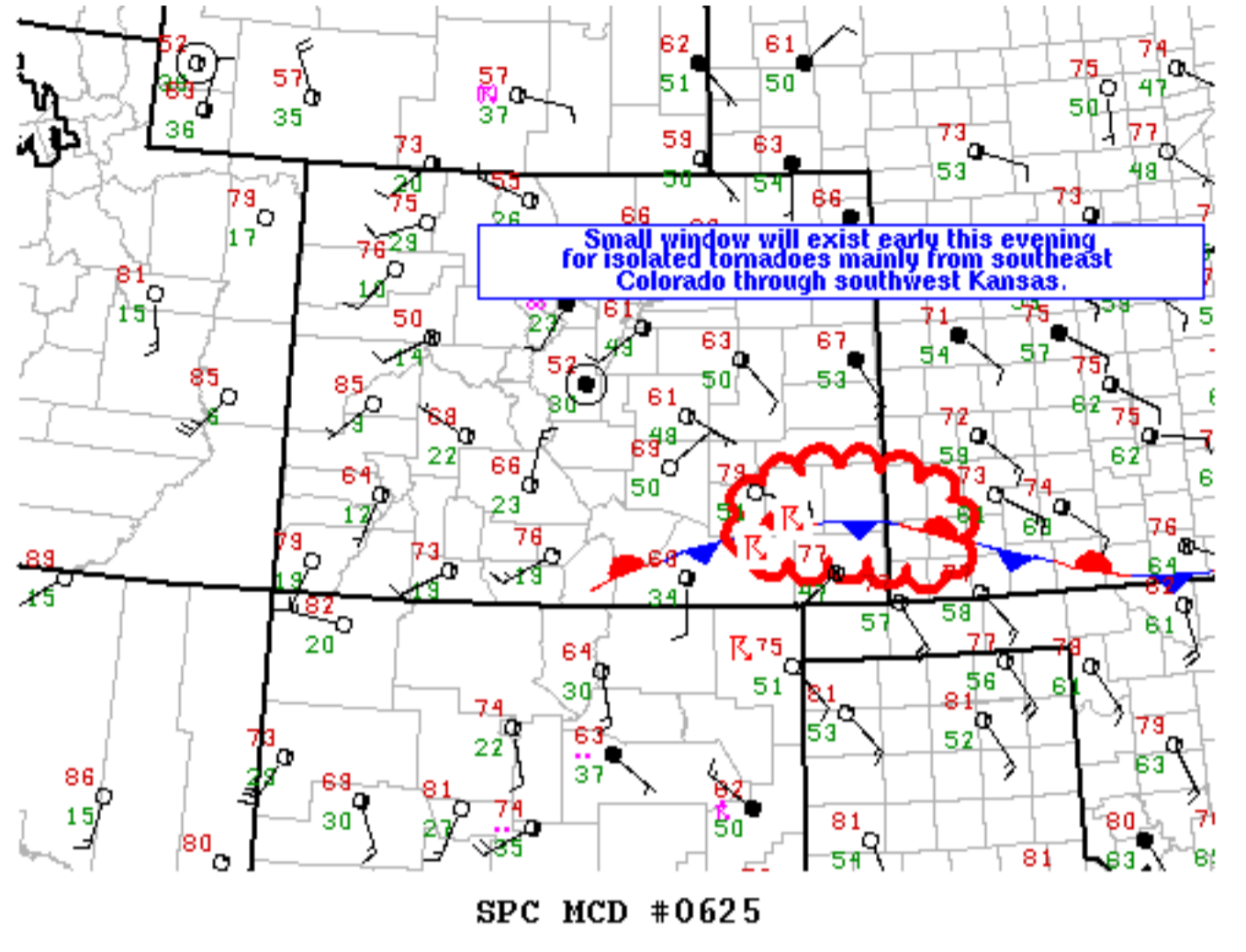
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Mesoscale Discussion 625

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SPC MCD #0625

Mesoscale Discussion 0625
 NWS Storm Prediction Center Norman OK
 0617 PM CDT Sat May 15 2021

Areas affected...southeast Colorado through southwest Kansas

Concerning...Tornado Watch 175...

Valid 152317Z - 160015Z

The severe weather threat for Tornado Watch 175 continues.

SUMMARY...A relatively small window will exist through mid evening for brief isolated tornadoes from a portion of southeast Colorado through southwest Kansas.

DISCUSSION...Early this evening a stationary boundary extends through southwest Kansas into southeast Colorado. Dewpoints are generally in the upper 50s to around 60 F in vicinity of this boundary contributing to somewhat lower LCLs and up to 2000 J/kg MLCAPE. Storms will continue spreading eastward off the higher terrain, and other storms may initiate on the boundary. Effective bulk shear around 35 kt will promote both multicell and marginal supercell structures, and some increase in 0-2 km hodograph size will occur as the low-level jet strengthens this evening. The primary threat for a few brief tornadoes is expected to occur as storms develop along or move east and interact with the boundary where low-level vorticity will be maximized.

..Dial.. 05/15/2021

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

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