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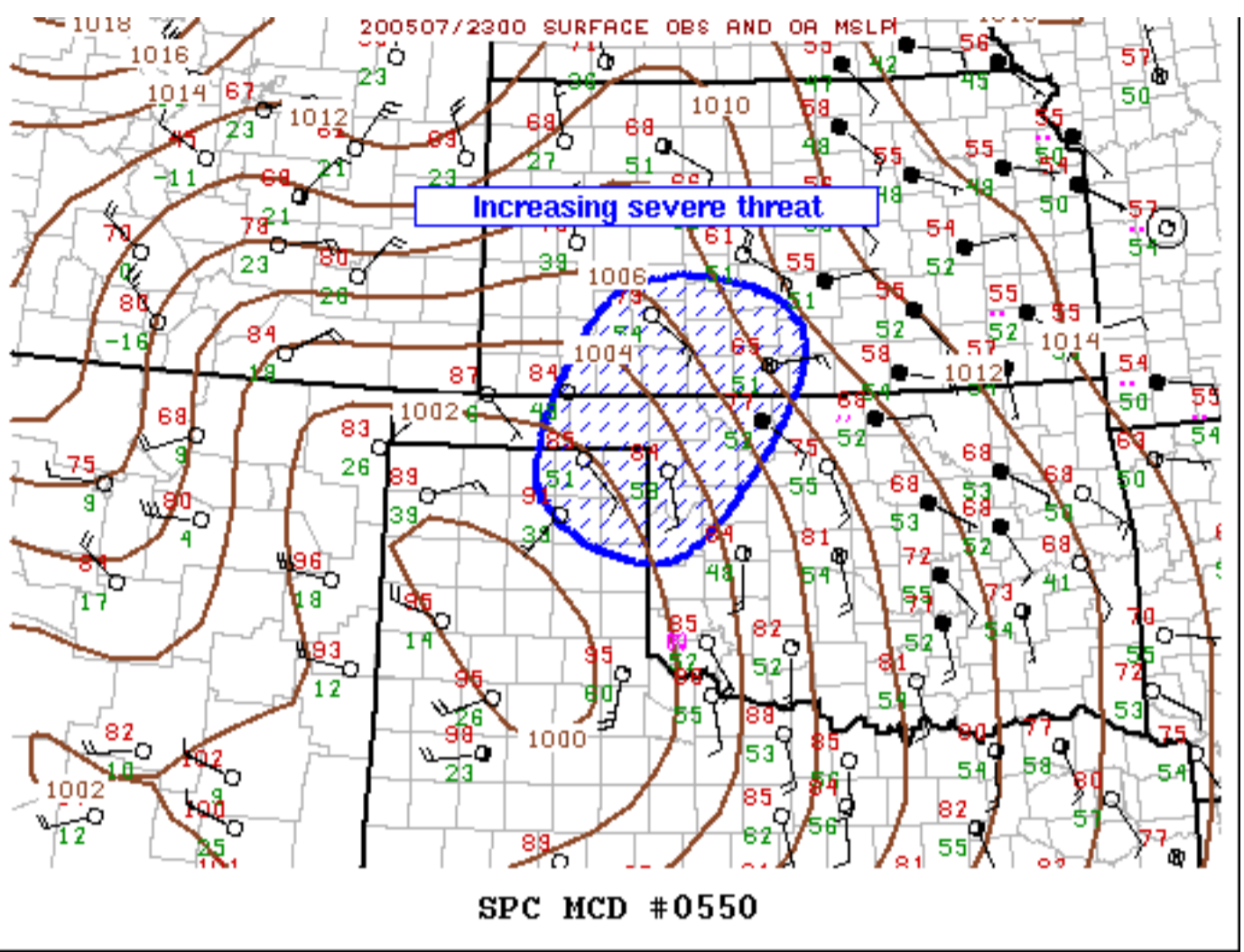
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Mesoscale Discussion 550

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Mesoscale Discussion 0550
 NWS Storm Prediction Center Norman OK
 0643 PM CDT Thu May 07 2020

Areas affected...Southwest Kansas...Northwest Oklahoma...Northeast Texas Panhandle

Concerning...Severe potential...Severe Thunderstorm Watch likely

Valid 072343Z - 080045Z

Probability of Watch Issuance...80 percent

SUMMARY...Severe thunderstorm watch will likely be issued by 01z. Hail and wind are expected with convection this evening.

DISCUSSION...Agitated cu field is slowly expanding in areal coverage across portions of southwestern KS, extending north along sharpening cold front. This is partly due to low-level moisture advancing rapidly north across western OK into southwest KS (surface dew point is now 54F at DDC). Mid-level heights will continue falling across the central Plains this evening and large-scale forcing for ascent should aid convective development along the frontal zone over the next few hours. Once convection develops, an upward-evolving thunderstorm cluster is expected to propagate southeast along a warm front that is currently draped from southwest KS into southeast OK. With time, LLJ will increase markedly into central OK late this evening and a more expansive southeast-moving MCS should spread toward the Oklahoma City metro. Large hail will be common with supercells and damaging wind threat should increase as MCS becomes more linear in nature.

..Darrow/Grams.. 05/07/2020

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

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