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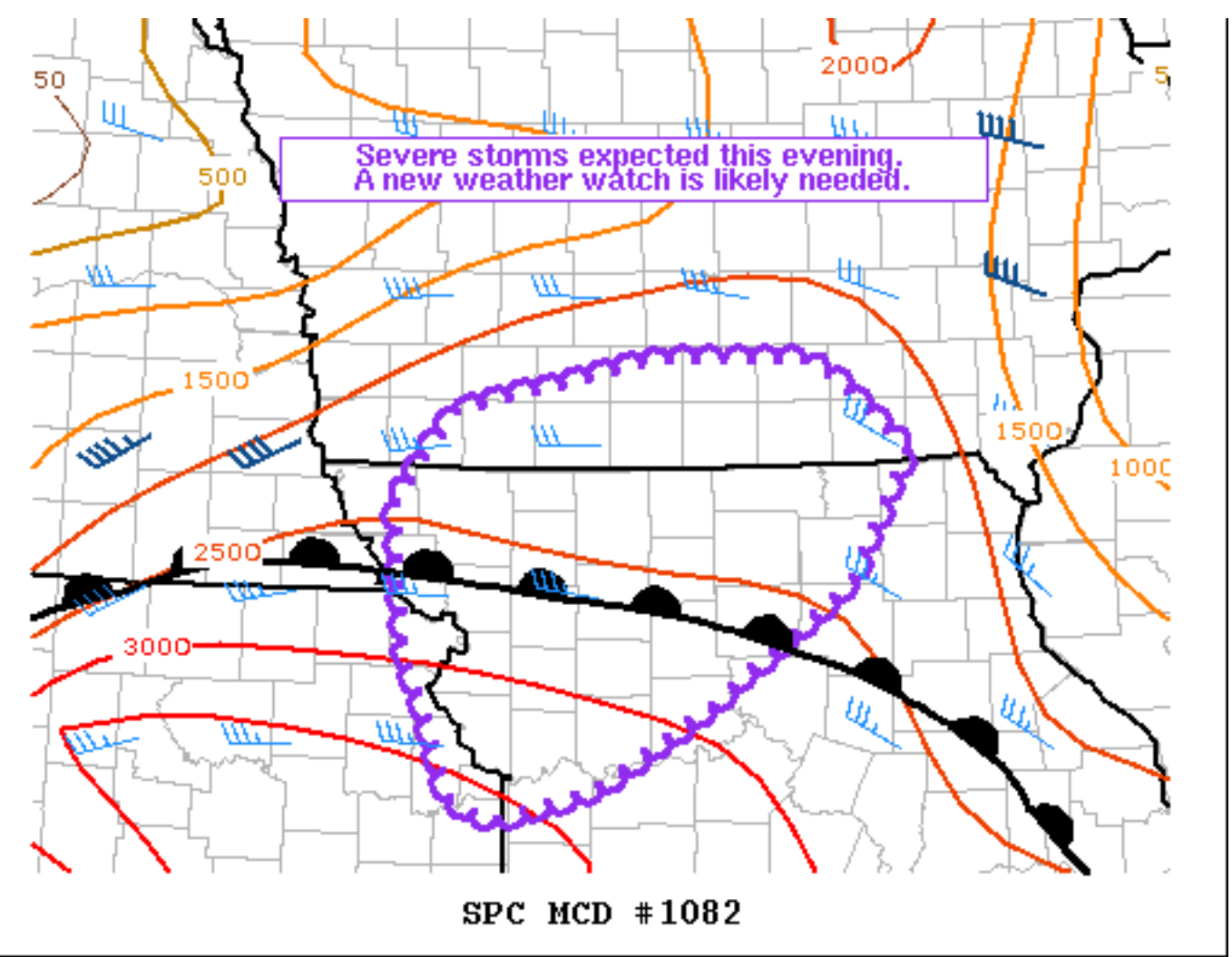
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Mesoscale Discussion 1082

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SPC MCD #1082

Mesoscale Discussion 1082
 NWS Storm Prediction Center Norman OK
 0619 PM CDT Thu Jun 24 2021

Areas affected...Northern Missouri and southern Iowa

Concerning...Severe potential...Watch likely

Valid 242319Z - 250015Z

Probability of Watch Issuance...95 percent

SUMMARY...Severe storms will be likely this evening ahead of a frontal boundary across northern Missouri and southern Iowa. The main threats are expected to be damaging winds and large hail, though a tornado or two will be possible. A new weather watch is likely needed.

DISCUSSION...2300z visible satellite imagery showed several new thunderstorms developing along and north of a frontal zone from northern Missouri through southern Iowa. These storms are ongoing in an environment characterized by 2000-3500 J/kg of MCLAPE and 30 to 40 kts of effective shear. To the north of the front, low-level shear is substantially weaker as sampled by the DMX VWP suggesting more of a wind and hail threat for eastward extent. Some initial tornado threat may also exist across portions of northwestern Missouri with supercells upstream over eastern Kansas. Additional storm development along the front will likely result in upscale growth with a greater threat of wind and hail this evening. A new watch will be needed shortly.

..Lyons/Grams.. 06/24/2021

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

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