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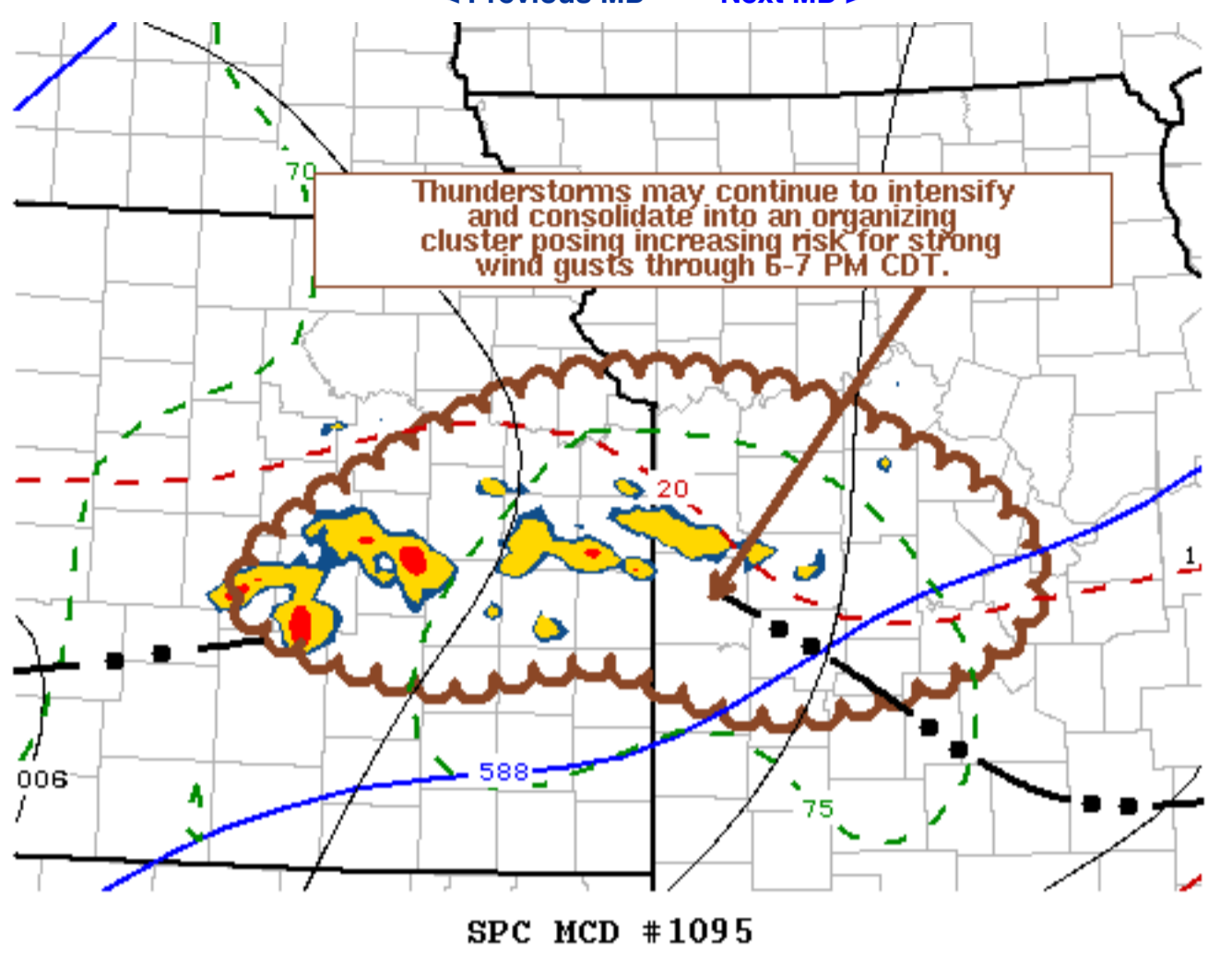
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Mesoscale Discussion 1095

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Mesoscale Discussion 1095

NWS Storm Prediction Center Norman OK

0313 PM CDT Fri Jun 25 2021

Areas affected...Parts of east central Kansas into west central Missouri

Concerning...Severe Thunderstorm Watch 314...

Valid 252013Z - 252215Z

The severe weather threat for Severe Thunderstorm Watch 314 continues.

SUMMARY...Thunderstorm activity may continue to intensify and consolidate near or south through southeast of the Kansas City area between now and 6-7 PM CDT, accompanied by increasing potential for strong surface gusts.

DISCUSSION...Thunderstorm development remains mostly discrete in nature, but increasing in number, focused within/just to the warm side of the zone of stronger differential associated with a remnant outflow boundary. This currently extends just east of Hutchinson into the vicinity of an outflow boundary intersection, south of the Kansas City area, where it appears that convection may begin to more substantively merge/consolidate through 22-00Z. Aided by inflow of very moist boundary-layer air characterized by CAPE in excess of 3000 J/kg, considerable further convective intensification and upscale growth appears probable.

Although mid-level flow may have weakened some during the past few hours, vertical shear may be sufficient to contribute to organization. Regardless, given the magnitude of CAPE, latent heating in lower/mid-levels could still contribute to the evolution of a mesovortex, strengthening rear inflow and increasing potential for strong surface gusts near/south through southeast of the Kansas City area by early evening. There may be a tendency for strongest activity to begin to propagate southeastward along a remnant outflow boundary toward areas near/northwest of the Lake of the Ozark vicinity thereafter.

..Kerr.. 06/25/2021

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

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