



Local forecast by "City, St" or "ZIP"

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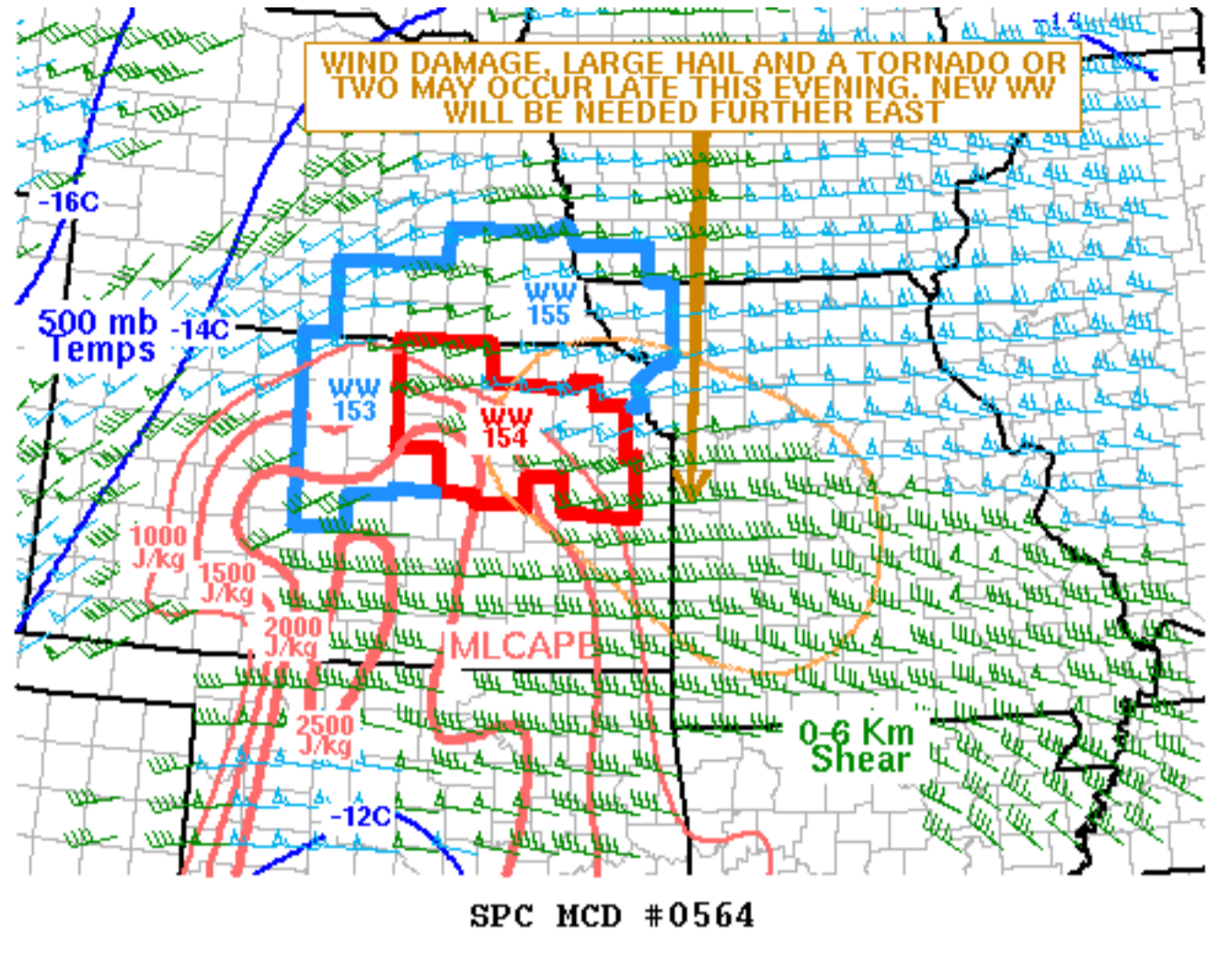
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Mesoscale Discussion 564

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Mesoscale Discussion 0564
NWS Storm Prediction Center Norman OK
0915 PM CDT Sat May 08 2021

Areas affected...Northeast Kansas...Missouri

Concerning...Tornado Watch 154...

Valid 090215Z - 090415Z

The severe weather threat for Tornado Watch 154 continues.

SUMMARY...A wind damage, large hail and tornado threat will continue late this evening, affecting northeast Kansas and parts of Missouri. The severe threat will likely persist into the early overnight period necessitating a new watch further to the east.

DISCUSSION...The latest radar imagery shows a cluster of strong to severe thunderstorms located from near Salina, Kansas northward into far southeast Nebraska. These storms are located along the northern edge of a moderately unstable airmass. The instability and moisture gradient extends east-southeastward across eastern Kansas into western and southern Missouri, along which a warm front is analyzed. Storm coverage will continue to increase with a linear MCS developing and moving southeastward along this gradient. As a cold pool organizes, supercells that remain intact as the line forms, will continue to have a threat for large hail and wind damage. The WSR-88D VWP at Topeka, Kansas shows a looped hodograph with 0-3 km storm relative helicity near 450 m²/s². This will continue the tornado threat, especially with supercells. The wind-damage threat is expected to increase as the linear MCS matures, continuing after midnight as the line moves into western Missouri.

..Broyles.. 05/09/2021

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

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