

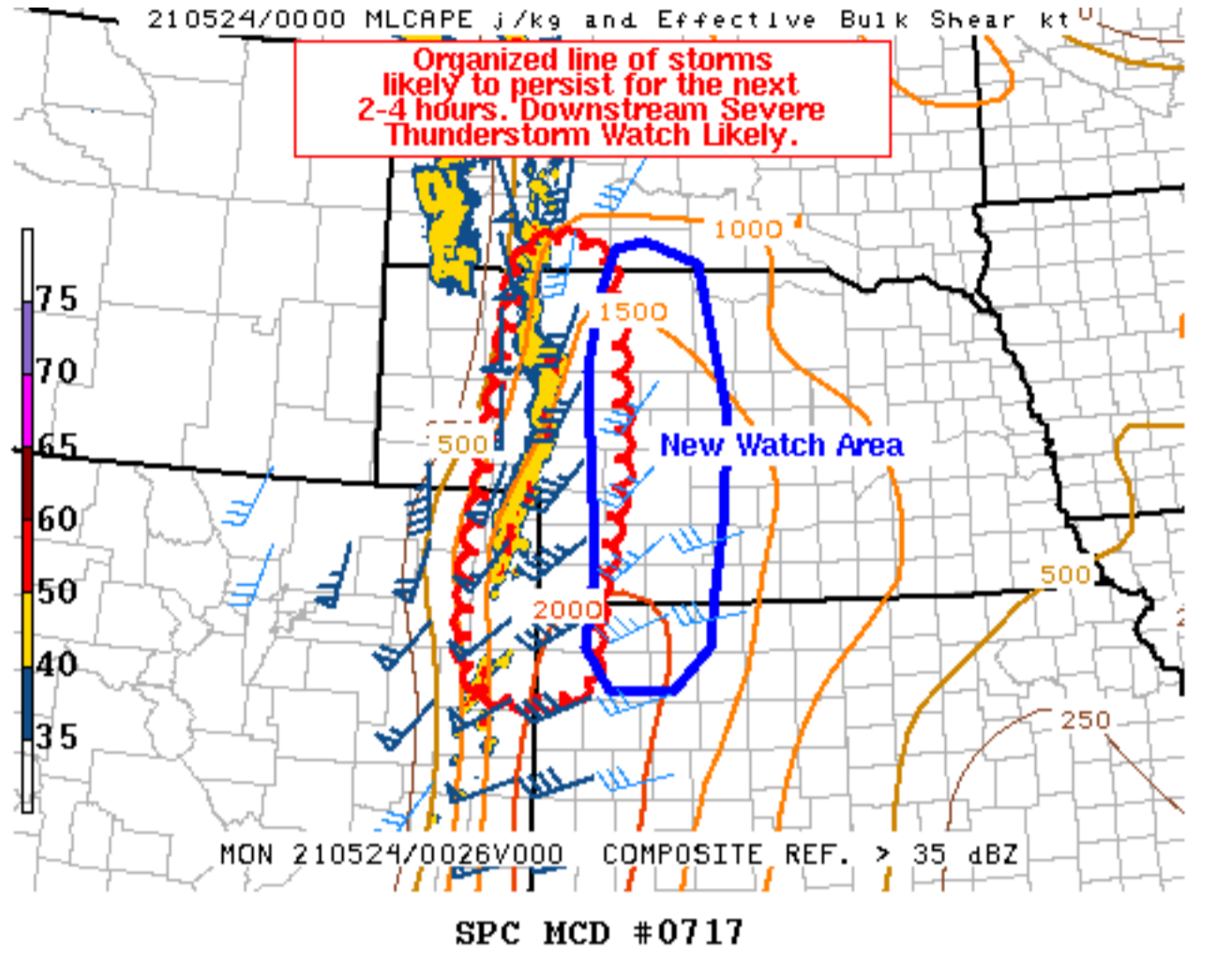


Local forecast by "City, St" or "ZIP"

City, St

Mesoscale Discussion 717

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Mesoscale Discussion 0717
 NWS Storm Prediction Center Norman OK
 0753 PM CDT Sun May 23 2021

Areas affected...Portions of Western/Central Nebraska...northwestern Kansas

Concerning...Tornado Watch 196...

Valid 240053Z - 240200Z

The severe weather threat for Tornado Watch 196 continues.

SUMMARY...Storms have organized into line, particularly across western Nebraska. As activity moves east, it is expected to be maintained for another few hours. A new downstream severe thunderstorm watch is likely soon as the expected transition to a damaging wind threat.

DISCUSSION...Storm mode has become linear across most of Tornado Watch 196 in Nebraska. Mid-level ascent and a developing low-level jet is anticipated to sustain this activity for the next 2-4 hours or so. This idea is also supported by the 00Z LBF sounding which showed around 45 kts of effective shear and 1100 J/kg MLCAPE. With this activity expected to move out of WW 196, parts of areas downstream are likely to be included in a new watch soon. Though low-level shear will be sufficient for embedded circulations within the squall line, the primary threat is expected to be damaging wind gusts with isolated large hail. The primary question will be how far east the watch will extend downstream given relatively slow eastward motion and low-level stabilization expected to occur.

..Wendt.. 05/24/2021

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

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