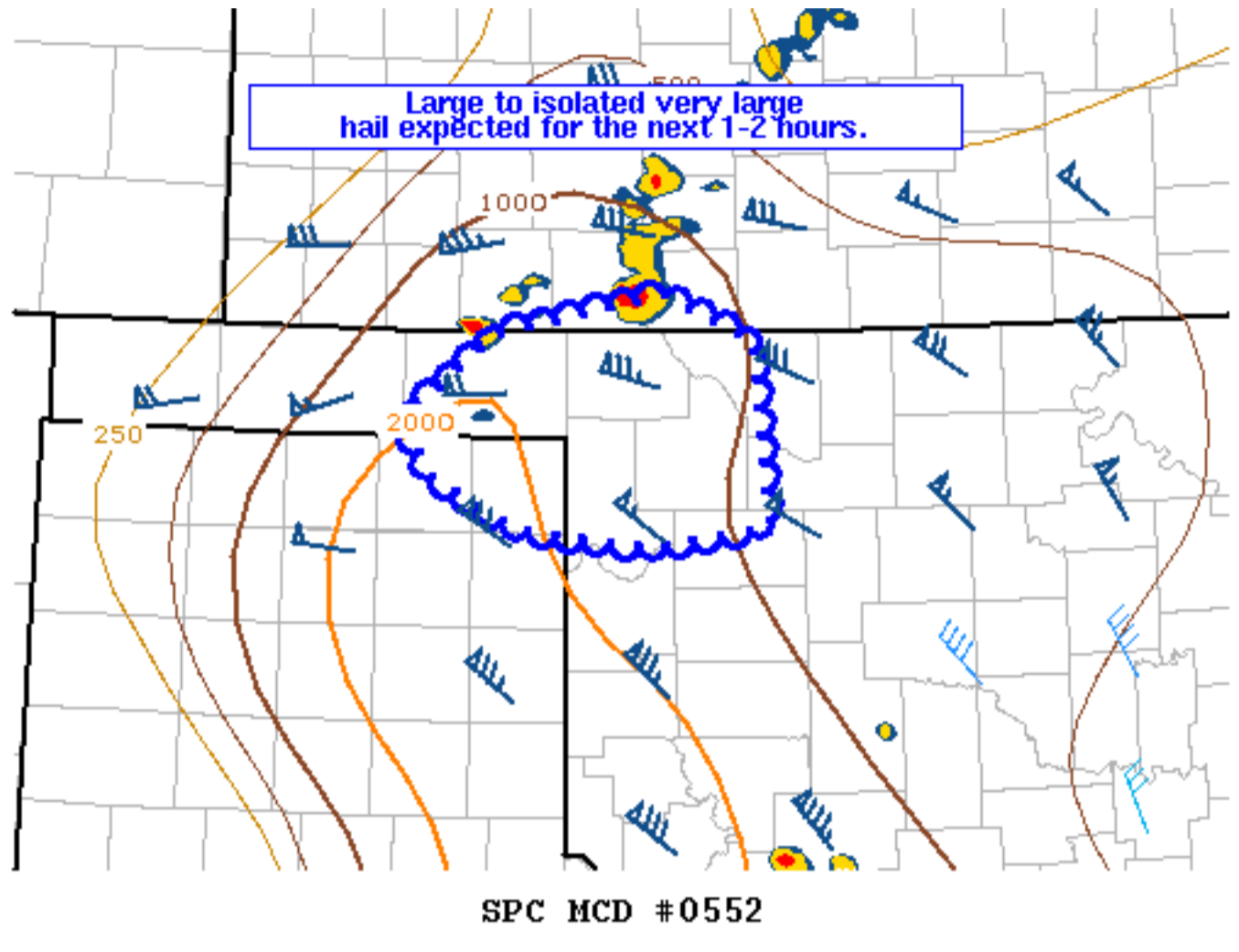


Local forecast by "City, St" or "ZIP"

City, St

Mesoscale Discussion 552

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Mesoscale Discussion 0552
NWS Storm Prediction Center Norman OK
0924 PM CDT Thu May 07 2020

Areas affected...Northwest OK...eastern OK panhandle...far northeast TX panhandle...and far southern Kansas

Concerning...Severe Thunderstorm Watch [171](#)...

Valid 080224Z - 080400Z

The severe weather threat for Severe Thunderstorm Watch 171 continues.

SUMMARY...Large to isolated very large hail expected for the next 1 to 2 hours.

DISCUSSION...Storm coverage has increased significantly in the last 15 minutes along and ahead of a cold front moving into northwest Oklahoma. Expect storm coverage to continue to increase over the next 1 to 2 hours as the low-level jet strengthens across the area and moisture continues to advect northward. The primary threat will be large hail (some very large) in the next 2 hours given around 2000 J/kg of MUCAPE per SPC mesoanalysis, mid-level lapse rates around 9 C/km per area 00Z RAOBs, and effective shear around 60 knots supporting supercellular storm mode.

The extensive storm coverage will likely lead to significant storm interference and cold pool development by 04Z at which time the primary threat will likely start to transition to damaging winds.

..Bentley.. 05/08/2020

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

ATTN...WFO...OUN...DDC...AMA...

LAT...LON 37169943 36969891 36099883 35999953 36080025 36310077
36570095 36980042 37169943

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