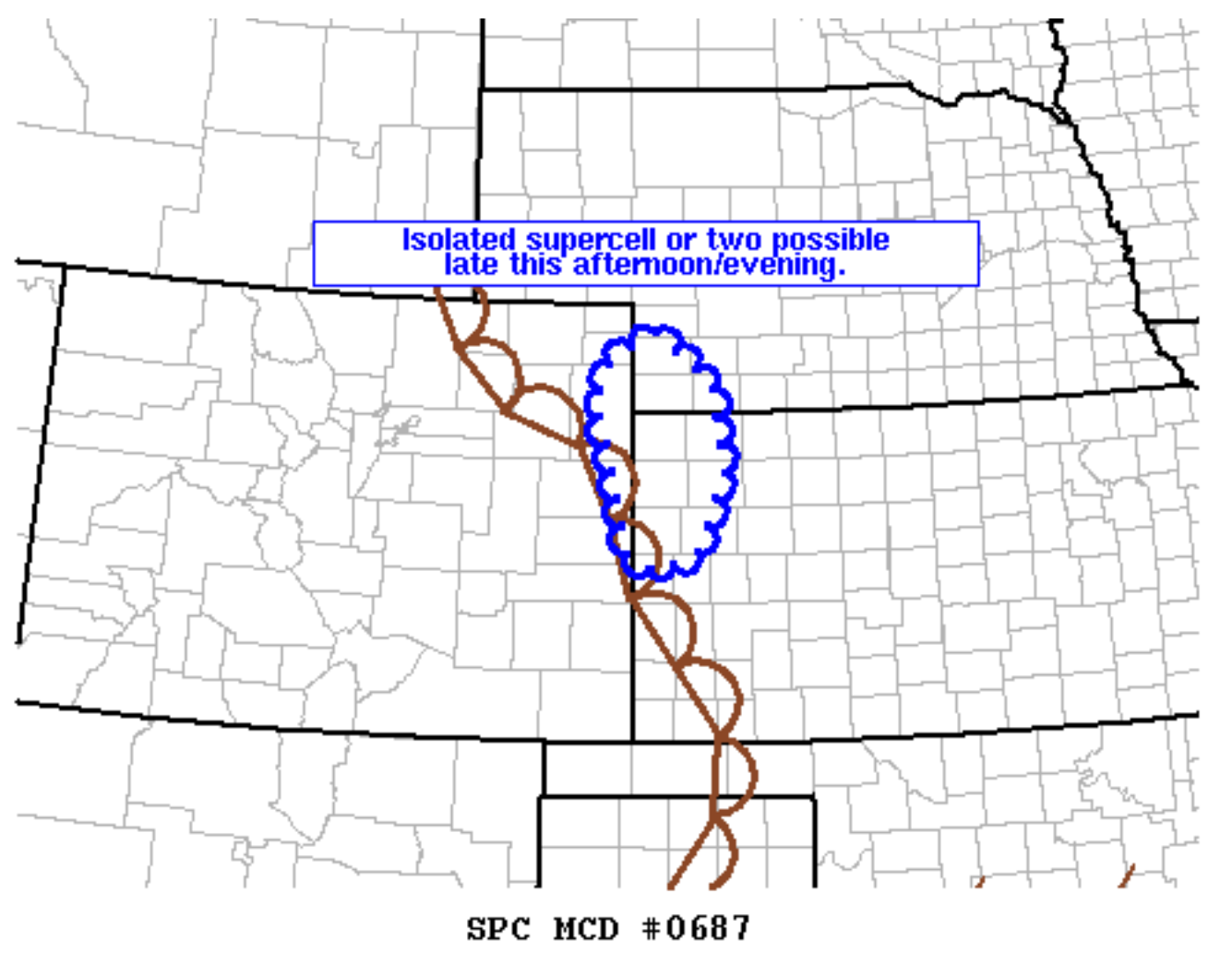


Local forecast by
"City, St" or "ZIP"City, St

Mesoscale Discussion 687

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Mesoscale Discussion 0687

NWS Storm Prediction Center Norman OK
0318 PM CDT Sat May 23 2020Areas affected...Northwest Kansas...far southwest Nebraska...and
northeast Wyoming.

Concerning...Severe potential...Watch unlikely

Valid 232018Z - 232215Z

Probability of Watch Issuance...20 percent

SUMMARY...An isolated supercell or two is possible later this
afternoon/early this evening. However, considerable uncertainty
exists whether storm initiation is likely.DISCUSSION...Occasional breaks in the mid-level cloud deck reveal
cumulus along a dryline in far eastern Colorado on visible satellite
imagery. Convergence is locally enhanced in this region along a
dryline bulge. A weak-mid level shortwave is moving across the area
this afternoon which may provide sufficient ascent for a storm or
two to form along this dryline. However, mid-level cloud cover has
limited heating somewhat which likely has had a weakening impact on
the dryline circulation. Therefore, storm formation in this region
is uncertain this afternoon/evening. However, if a storm does
develop, the environment will be favorable for supercell mode given
MLCAPE around 2000 J/kg and effective shear around 35 knots. If any
supercells can form, they will have a primary threat for large hail,
with some very large hail possible given the very steep mid-level
lapse rates (>9 C/km). Additionally, significant low-level
directional shear will support a tornado threat, especially given
the discrete storm mode.Given the uncertainties about storm likelihood and the expectation
for isolated coverage if any storms do form, a watch is unlikely.

..Bentley/Hart.. 05/23/2020

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

ATTN...WFO...LBF...GLD...BOU...

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