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Mesoscale Discussion 1369

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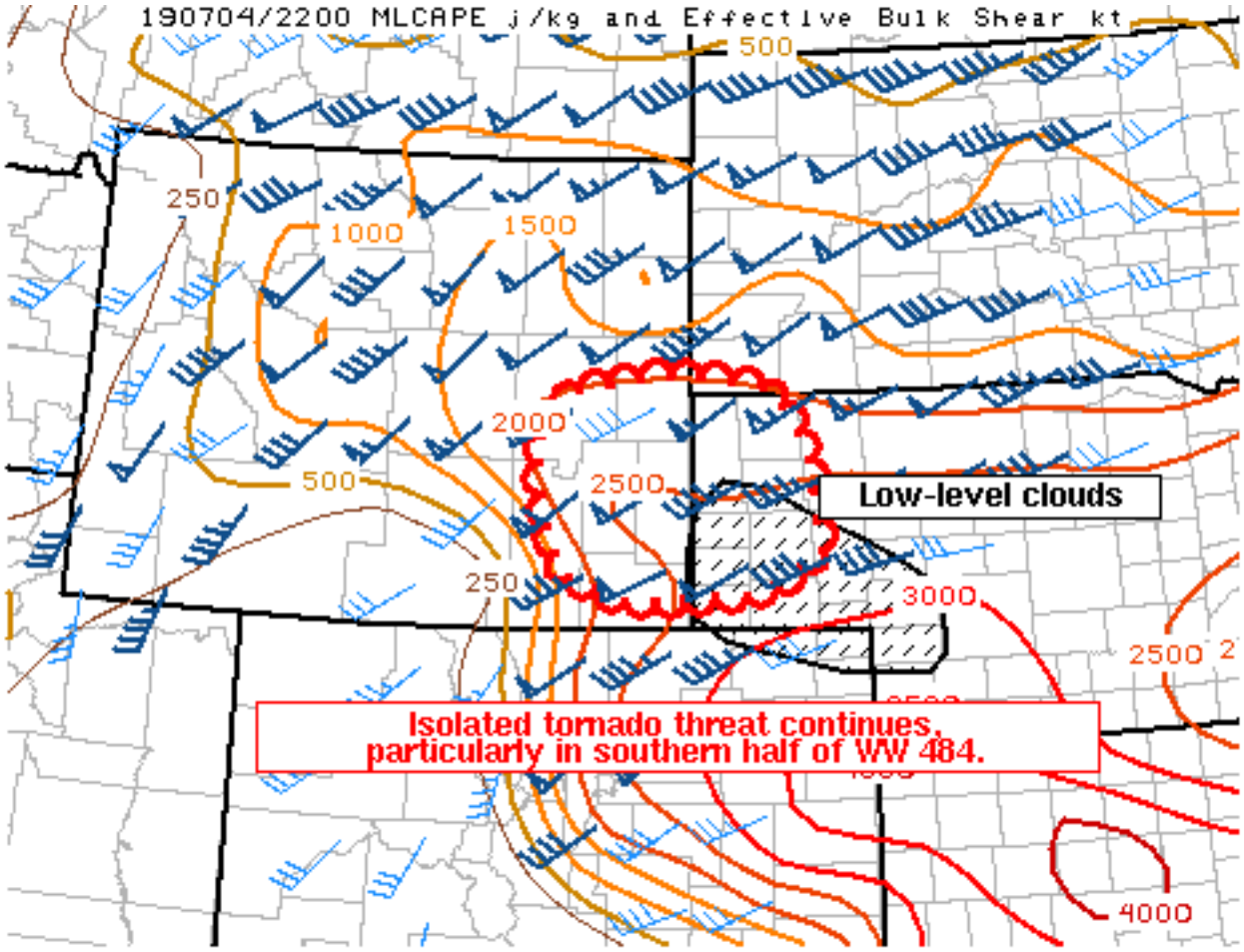

SPC MCD #1369

Mesoscale Discussion 1369
NWS Storm Prediction Center Norman OK
0553 PM CDT Thu Jul 04 2019

Areas affected...Southeast Wyoming...Western Nebraska Panhandle

Concerning...Tornado Watch 484...

Valid 042253Z - 050100Z

The severe weather threat for Tornado Watch 484 continues.

SUMMARY...A threat for a tornado or two will persist in WW 484, particularly in southeaster Wyoming. Some uncertainty exists with the exact evolution of this activity. Large to very large hail will also continue to be a threat with discrete storms.

DISCUSSION...An isolated supercell thunderstorm ongoing in Platte County, WY has shown persistent mid-level rotation and rightward deviant motion over the last 1-2 hours. Low-level flow ahead of this storm remains backed as low-level cloud cover has helped keep

boundary layer mixing to a minimum. This storm will pose the greatest risk for a tornado in the short-term. The evolution of this activity in southeast Wyoming is somewhat uncertain. Given the modest increase in inhibition due to the persistent cloud cover, it is unlikely that the storm will be able to maintain intensity as it approaches the Nebraska border.

In east-central Wyoming, supercellular storms have struggled to maintain their intensity thus far. However, as mid-level ascent continues to increase, storm coverage should increase with time. This activity is likely to grow upscale and move along a surface boundary from east-central Wyoming into northern Nebraska. Should storms be able to maintain themselves, low-level flow is forecast to become more favorable for low-level rotation early this evening.

..Wendt.. 07/04/2019

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

ATTN...WFO...LBF...UNR...CYS...

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