

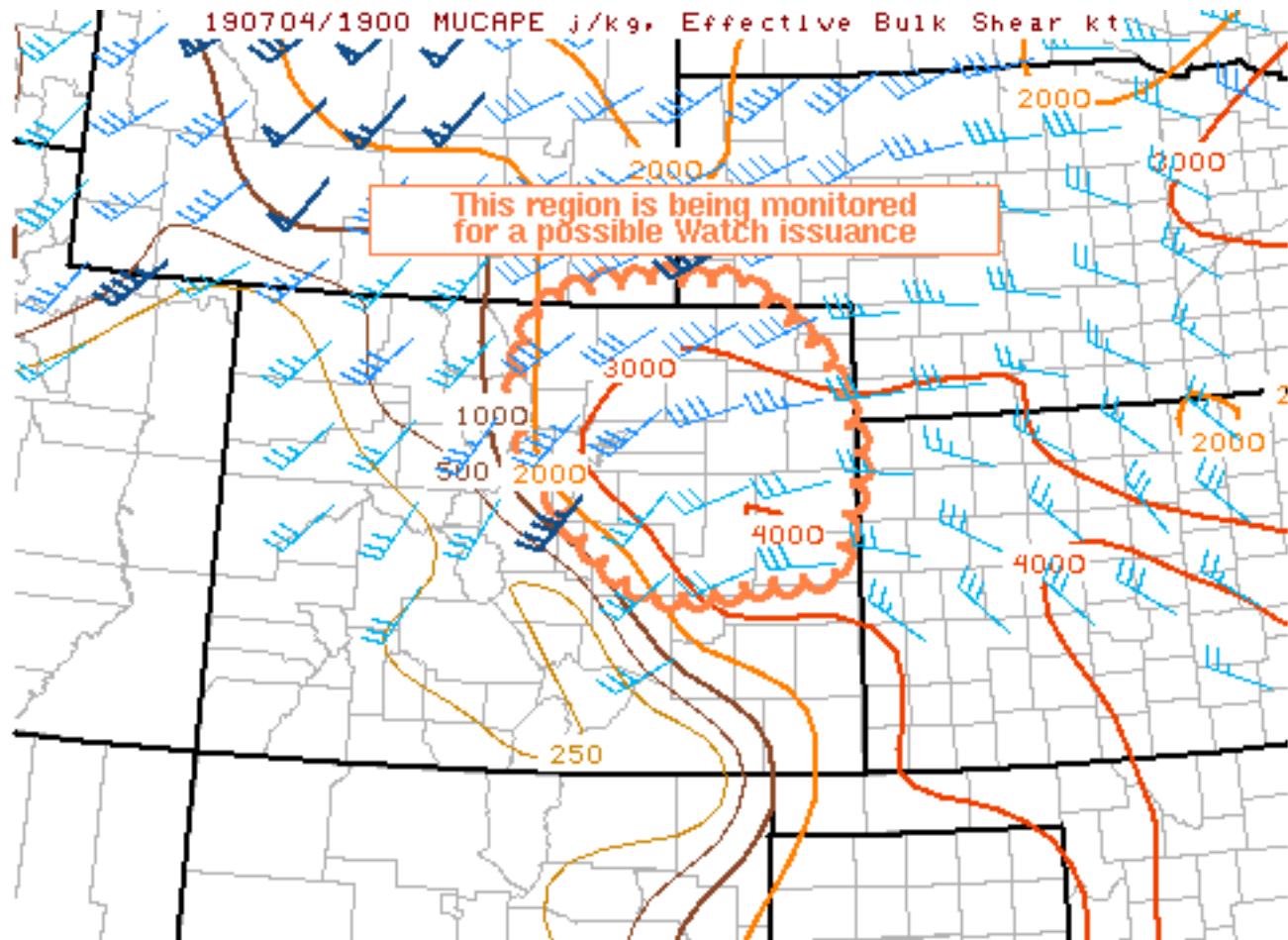
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Mesoscale Discussion 1366

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Mesoscale Discussion 1366

NWS Storm Prediction Center Norman OK

0310 PM CDT Thu Jul 04 2019

Areas affected...northeastern Colorado

Concerning...Severe potential...Watch possible

Valid 042010Z - 042215Z

Probability of Watch Issuance...60 percent

SUMMARY...Convective trends are being monitored for initiation along the Front Range over the next couple of hours, which may necessitate a WW issuance.

DISCUSSION...Latest satellite imagery indicates presence of a few towering cumulus along the immediate front range, which isn't surprising given low-level easterly flow and convergence/upslope against higher terrain in central Colorado. Though synoptic-scale forcing for ascent is relatively modest, continued surface warming



and upslope flow will probably contribute to at least isolated thunderstorm development over time within an airmass characterized by 3000-4000 J/kg MUCAPE and strong (40-kt) deep shear. Low-level wind fields are weak currently, but should strengthen over time and support a few supercellular structures. Storms will contain a risk of large hail and damaging wind gusts, and a tornado or two cannot be completely ruled out.

..Cook/Grams.. 07/04/2019

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

ATTN...WFO...GLD...PUB...BOU...CYS...

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