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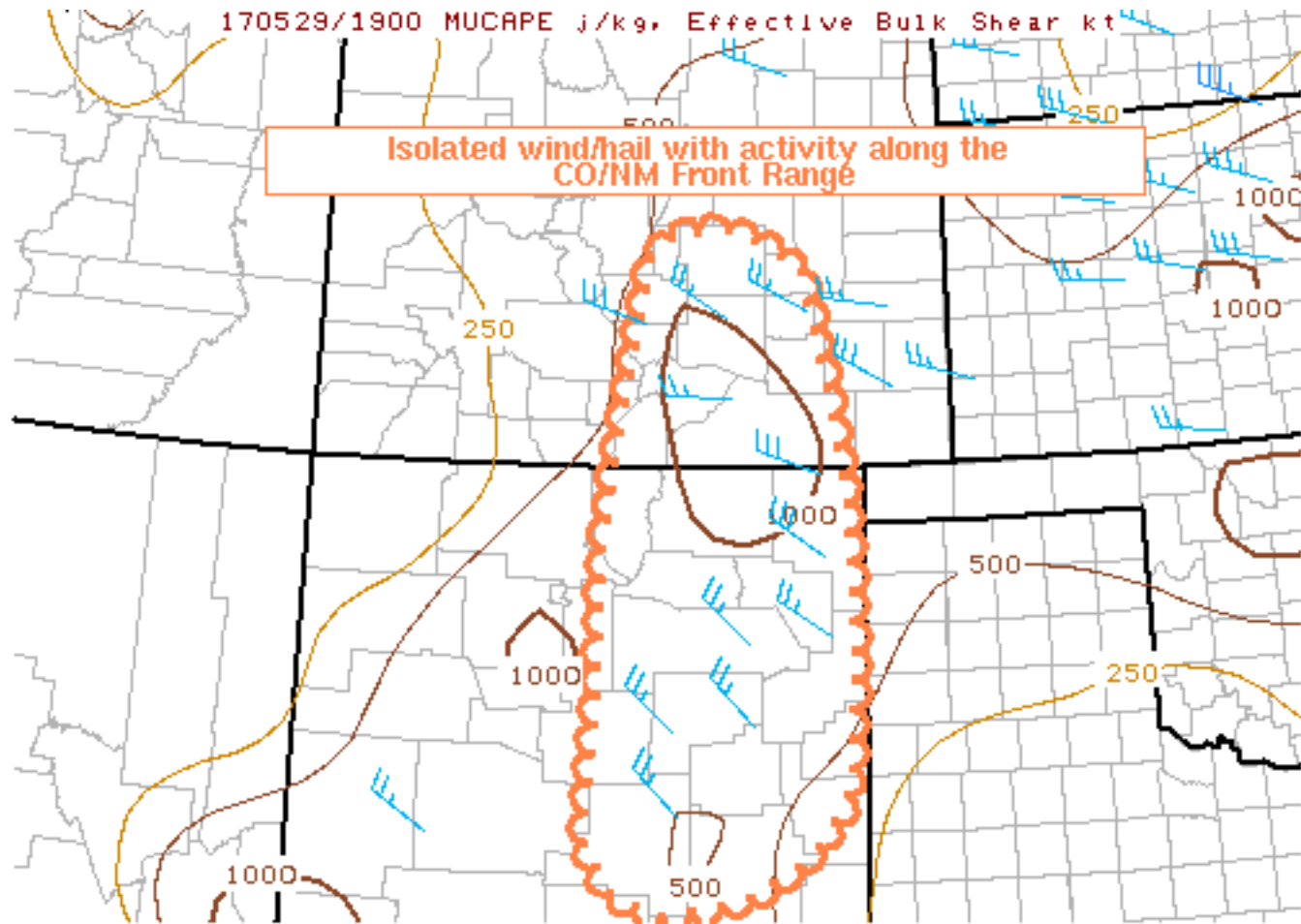
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Mesoscale Discussion 916

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SPC MCD #0916

Mesoscale Discussion 0916

NWS Storm Prediction Center Norman OK

0232 PM CDT Mon May 29 2017

Areas affected...Central/southeastern Colorado into central/eastern
New Mexico

Concerning...Severe potential...Watch unlikely

Valid 291932Z - 292030Z

Probability of Watch Issuance...5 percent

SUMMARY...Thunderstorms in the Front Range may propagate
east/southeastward through the afternoon and early evening. A WW is
not anticipated for this activity.DISCUSSION...Scattered thunderstorms have increased in intensity and
coverage over the past hour or two. These storms are in an
environment characterized by very weak surface upslope, modest
mid-level destabilization, marginal deep shear for storm

organization, and a deeply mixed boundary layer, with 30-40F dewpoint depressions favoring isolated downbursts. Isolated hail may also occur near the strongest cores given steep mid-level lapse rates and cool temperatures aloft (-13 to -15 C at 500mb).

Models/high-res guidance (HRRR and NAM4) are persistent in suggesting that convection will merge and propagate eastward off of the higher terrain over the course of the afternoon. Isolated damaging wind gusts/hail will be the biggest threats with this activity if it does indeed organize as depicted in guidance. Weak low- and deep shear profiles in the region should mitigate the intensity of any linear segments that can organize, which will likely preclude any WW issuance this afternoon.

..Cook.. 05/29/2017

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

ATTN...WFO...PUB...BOU...ABQ...EPZ...

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