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Mesoscale Discussion 860

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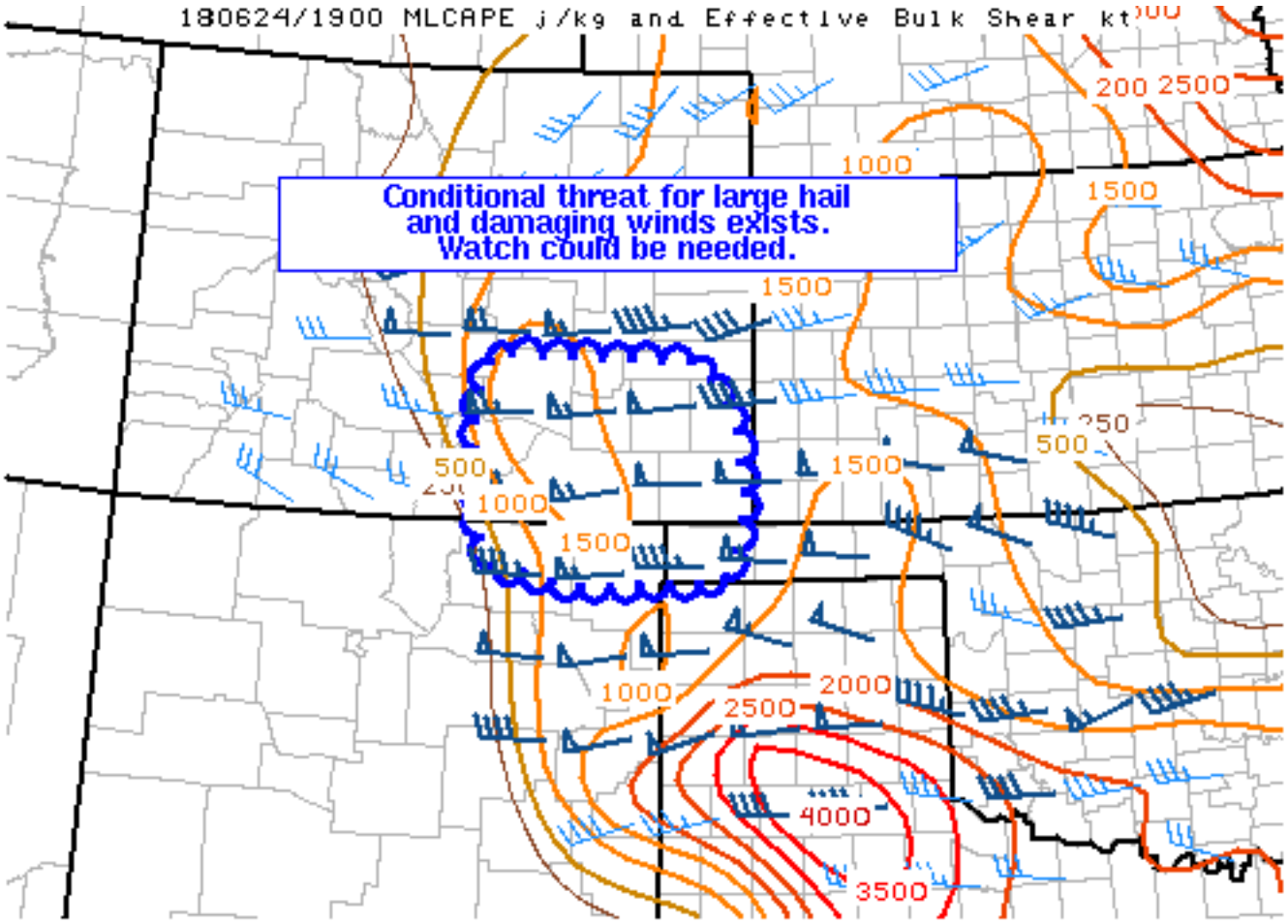

SPC MCD #0860

Mesoscale Discussion 0860
NWS Storm Prediction Center Norman OK
0304 PM CDT Sun Jun 24 2018

Areas affected...Portions of the southern High Plains

Concerning...Severe potential...Watch possible

Valid 242004Z - 242130Z

Probability of Watch Issuance...60 percent

SUMMARY...Thunderstorms are expected to develop southward along the higher terrain of Colorado and then move east/southeast over the High Plains into this evening. While the spatial extent of any severe threat is uncertain, a few storms may be accompanied by large hail and damaging winds. A watch could be needed by late afternoon.

DISCUSSION...Considerable uncertainty remains due to the influence of processed low-level air behind a convective system now over Oklahoma. Still, convection appears to gradually be organizing over

the higher terrain of southern Colorado, aided by a shortwave trough pivoting southeast over the region. Further heating to the east and slow moistening/cooling aloft in association with the trough may be adequate to drive isolated severe convection moving east/southeast over the High Plains into this evening. Deep-layer profiles favor supercells, and 8-9 C/km mid-level lapse rates suggest large hail would be the predominant threat. Although this threat is conditional (and perhaps limited in eastward extent due to prior convective/outflow influence), it could necessitate a Severe Thunderstorm Watch.

..Picca/Thompson.. 06/24/2018

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

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