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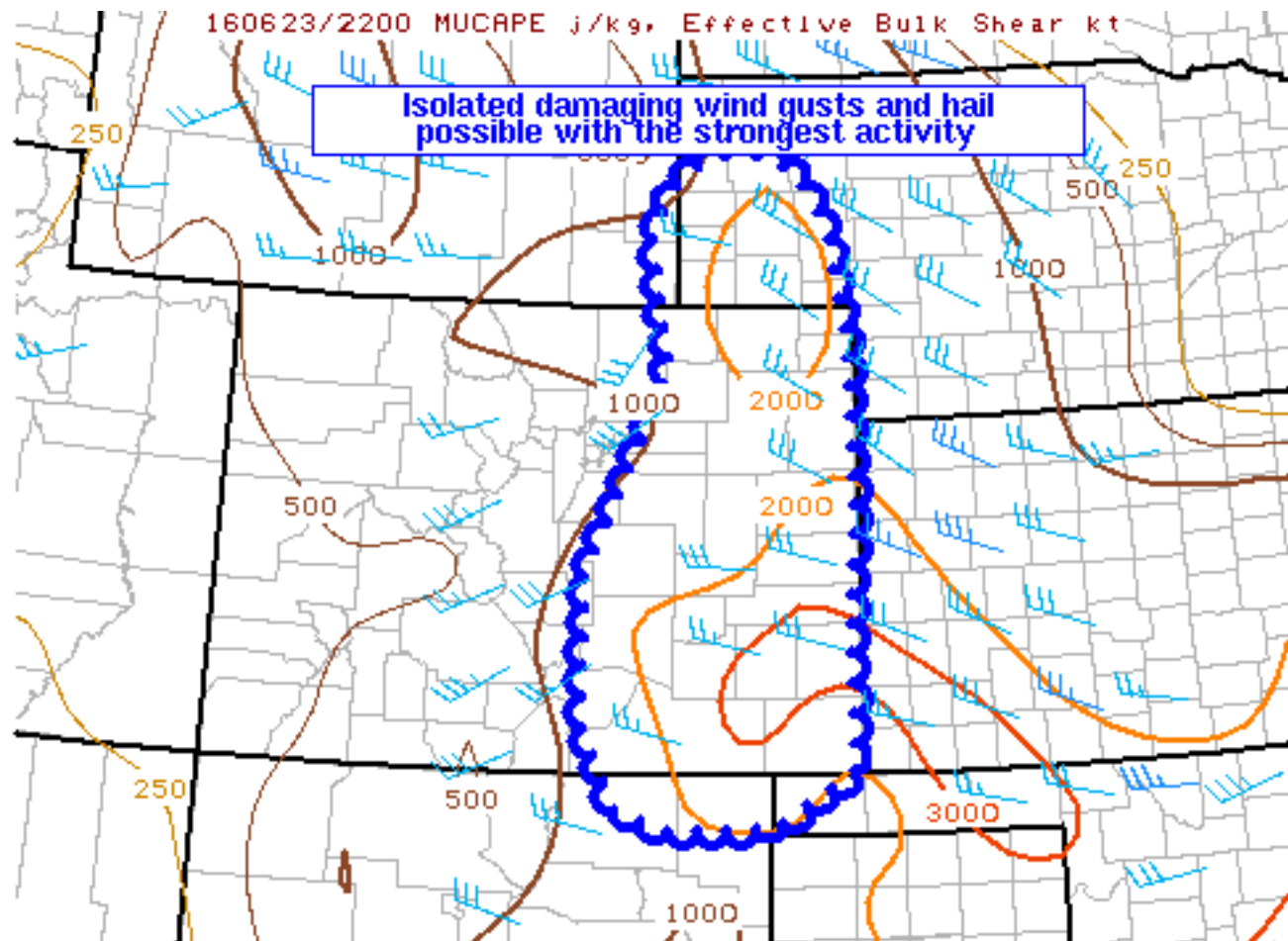
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## Mesoscale Discussion 1034

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SPC MCD #1034

MESOSCALE DISCUSSION 1034

NWS STORM PREDICTION CENTER NORMAN OK

0543 PM CDT THU JUN 23 2016

AREAS AFFECTED...THE COLORADO FRONT RANGE...WESTERN NEBRASKA...AND FAR NORTHEASTERN NEW MEXICO

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 232243Z - 240045Z

PROBABILITY OF WATCH ISSUANCE...40 PERCENT

SUMMARY...RECENT CONVECTIVE DEVELOPMENT HAS OCCURRED IN EARNEST IN NORTHEAST COLORADO AND SOUTHWESTERN NEBRASKA...WITH MORE SCATTERED DEVELOPMENT SOUTH OF THOSE AREAS. ISOLATED HAIL/WIND ARE THE MAIN THREATS...AND TRENDS WILL BE MONITORED FOR A WW ISSUANCE.

DISCUSSION...SCATTERED TO NUMEROUS THUNDERSTORMS HAVE INCREASED IN INTENSITY IN NORTHEASTERN COLORADO AND WESTERN NEBRASKA ALONG A NEARLY STATIONARY N-S ORIENTED SURFACE BOUNDARY IN THAT REGION.

MORE SCATTERED CONVECTION HAS INCREASED ACROSS THE COLORADO FRONT RANGE AND ADJACENT AREAS OF NEW MEXICO. THESE STORMS HAVE FORMED IN AN ENVIRONMENT WITH RELATIVELY WEAK DEEP SHEAR OWING TO WEAK FLOW THROUGH 6KM AGL...ALTHOUGH THE OUTFLOW-DOMINANT NATURE OF THESE STORMS...ALONG WITH AREAS OF MODERATE INSTABILITY /2000-3500 J/KG MUCAPE/ IS SUGGESTIVE THAT SOME ORGANIZATION INTO ONE OR TWO FORWARD-PROPAGATING MCS/S IS LIKELY THROUGH THE EVENING. THIS MAY OCCUR WITH ONGOING CONVECTION IN SOUTHWESTERN NEBRASKA AND VICINITY...ALTHOUGH HIGH-RESOLUTION MODEL GUIDANCE SUGGESTS MCS DEVELOPMENT FROM SOUTHEASTERN COLORADO EASTWARD ALONG A REMNANT OUTFLOW BOUNDARY IN SOUTHWEST KANSAS AND THE OKLAHOMA PANHANDLE.

THE BIGGEST THREAT WITH THIS ACTIVITY WILL BE ISOLATED LARGE HAIL AND DAMAGING WINDS...PERHAPS WITH A SLIGHTLY INCREASED DAMAGING-WIND THREAT NEAR STORMS ORGANIZING ALONG MATURE COLD POOLS THROUGH THE EVENING. AN INCREASING LOW-LEVEL JET THIS EVENING MAY AID IN INCREASING COVERAGE OF STRONG TO SEVERE STORMS...ESPECIALLY AFTER 00Z. HENCE...A WW DOES NOT APPEAR TO BE NEEDED IN THE SHORT TERM...BUT MAY BE REQUIRED AFTER 00Z DEPENDING ON CONVECTIVE COVERAGE/EVOLUTION.

..COOK/EDWARDS.. 06/23/2016

ATTN...WFO...LBF...GLD...AMA...PUB...BOU...CYS...ABQ...

LAT...LON 41590433 42000413 42280370 42330316 42160264 41620228  
40730210 39420205 37910214 37020211 36560294 36510402  
36650462 37400502 38660502 39680448 40470412 41590433

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