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[Conv. Outlooks](#)

[Tstm. Outlooks](#)

[Fire Wx Outlooks](#)

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[Storm Reports Dev.](#)

[NWS Hazards Map](#)

[Watch/Warning Map](#)

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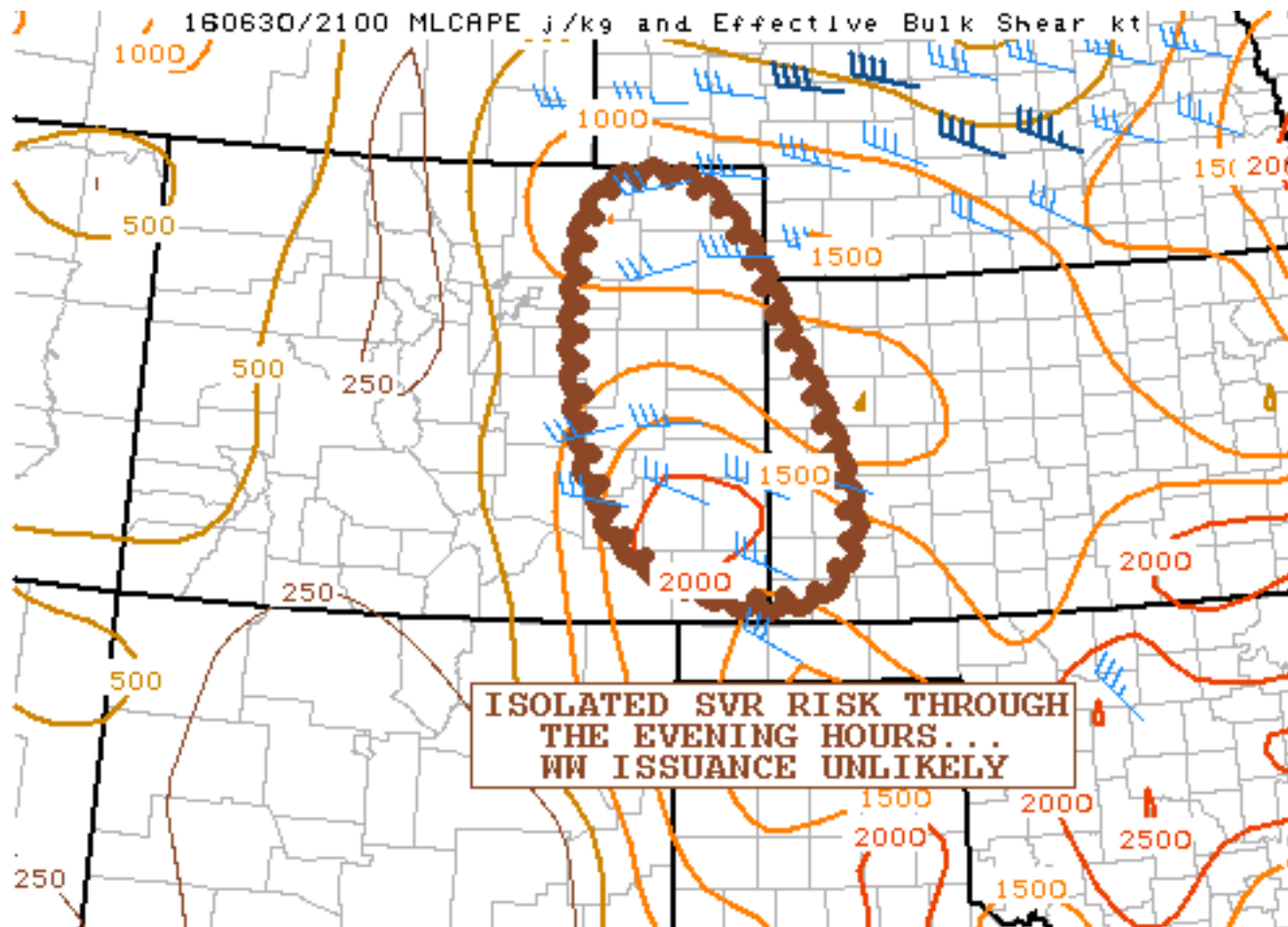
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## Mesoscale Discussion 1100

[< Previous MD](#) [Next MD >](#)



SPC MCD #1100

MESOSCALE DISCUSSION 1100  
 NWS STORM PREDICTION CENTER NORMAN OK  
 0448 PM CDT THU JUN 30 2016

AREAS AFFECTED...PORTIONS OF ERN CO...WRN KS

CONCERNING...SEVERE POTENTIAL...WATCH UNLIKELY

VALID 302148Z - 010015Z

PROBABILITY OF WATCH ISSUANCE...20 PERCENT

SUMMARY...TSTMS MOVING ACROSS PORTIONS OF THE CNTRL HIGH PLAINS THROUGH THE EVENING HOURS MAY PRODUCE ISOLATED SVR WIND/HAIL. WHILE CONVECTIVE TRENDS WILL CONTINUE TO BE MONITORED...PRESENT INDICATIONS ARE THAT WW ISSUANCE IS UNLIKELY.

DISCUSSION...MOIST UPSLOPE FLOW WITH SFC DEWPOINTS IN THE MIDDLE/UPPER 50S OVER THE HIGH PLAINS HAS FOSTERED THE DEVELOPMENT OF ISOLATED TO SCATTERED CONVECTION ALONG/E OF THE FRONT RANGE. WITH MLCAPE AROUND 1000-2500 J/KG AIDED BY MODERATE MID-LEVEL LAPSE RATES

SURMOUNTING THE RELATIVELY MOIST BOUNDARY LAYER...WIDELY SCATTERED INTENSE CONVECTIVE ELEMENTS WILL LIKELY SPREAD GENERALLY EWD THROUGH THE EVENING HOURS.

THE PRESENCE OF AROUND 25-35 KT OF EFFECTIVE BULK SHEAR MAY SUPPORT A FEW SEMI-ORGANIZED CONVECTIVE CLUSTERS...WITH COLD-POOL AMALGAMATION POTENTIALLY ENHANCING THE SVR-WIND RISK ON A LOCALIZED BASIS. THIS WOULD ESPECIALLY BE THE CASE ACROSS PORTIONS OF SERN CO AND SWRN KS...WHERE VISIBLE SATELLITE IMAGERY AND SFC OBSERVATIONS IMPLY THE REGION OF GREATEST SFC HEATING/BUOYANCY BEING PRESENT. ISOLATED SVR HAIL WILL ALSO BE POSSIBLE...THOUGH DEEP SHEAR IS SOMEWHAT MARGINAL FOR A MORE SUBSTANTIAL HAIL RISK.

WHILE CONVECTIVE TRENDS WILL BE MONITORED...THE LACK OF STRONGER DEEP ASCENT/SHEAR WILL LIKELY MINIMIZE SVR COVERAGE SUCH THAT WW ISSUANCE IS PRESENTLY UNLIKELY.

..COHEN/GUYER.. 06/30/2016

ATTN...WFO...DDC...GLD...PUB...BOU...

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