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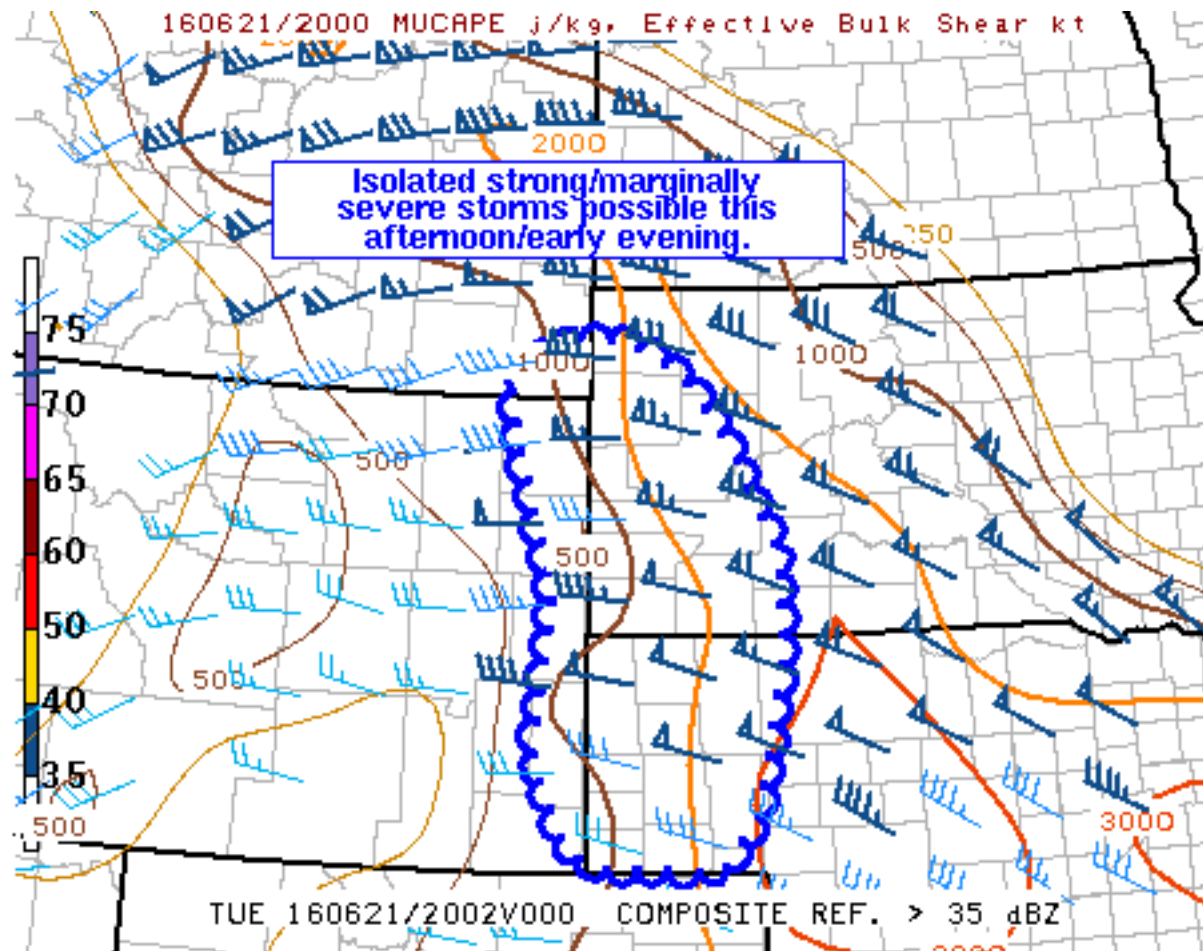
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Mesoscale Discussion 1007

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SPC MCD #1007

MESOSCALE DISCUSSION 1007

NWS STORM PREDICTION CENTER NORMAN OK

0327 PM CDT TUE JUN 21 2016

AREAS AFFECTED...FAR ERN WY...FAR SE MT...WRN SD AND THE NEB
PANHANDLE

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 212027Z - 212230Z

PROBABILITY OF WATCH ISSUANCE...40 PERCENT

SUMMARY...ISOLATED STRONG TO SEVERE STORMS MAY PRODUCE STRONG WIND
GUSTS AND HAIL INTO THE EVENING HOURS. A WATCH DOES NOT APPEAR
IMMEDIATELY NECESSARY...BUT TRENDS WILL BE MONITORED CLOSELY FOR ANY
INCREASING SEVERE THREAT INTO THE EVENING HOURS.DISCUSSION...ISOLATED THUNDERSTORMS HAVE DEVELOPED OVER NE WY IN
VICINITY OF SFC TROUGH AND LOW LEVEL UPSLOPE REGIME. AS THE STORMS
DEVELOP EASTWARD INTO WRN SD/NEB PANHANDLE...MOISTURE QUICKLY

INCREASES INTO THE MID 50S TO LOW 60S F. HOWEVER...CAPPING ALSO INCREASES WITH EASTWARD EXTENT. THIS WILL LIKELY LIMIT MORE WIDESPREAD/LONGER-LIVED SEVERE THREAT...BUT A FEW STRONG TO SEVERE STORMS WILL BE POSSIBLE. DAMAGING WINDS WILL BE THE MAIN CONCERN GIVEN LARGE TEMPERATURE-DEWPOINT SPREADS AND DCAPE GREATER THAN 1000 J/KG...THOUGH SOME HAIL IS ALSO POSSIBLE GIVEN FAVORABLE DEEP LAYER SHEAR PROFILES AND STEEP MIDDLELEVEL LAPSE RATES. SOME HI-RES GUIDANCE INDICATES SOME UPSCALE GROWTH IS POSSIBLE...BUT CONFIDENCE IS LOW IN THIS SCENARIO GIVEN THE AFOREMENTIONED CAPPING PROBLEMS IN ADDITION TO WEAKER FORCING FOR ASCENT AS THE UPPER SHORTWAVE TROUGH REMAINS FURTHER NORTH ACROSS MT AND ND. A WATCH DOES NOT APPEAR IMMEDIATELY NECESSARY BUT CONVECTIVE TRENDS WILL BE MONITORED INTO THE EVENING FOR INCREASING SEVERE POTENTIAL.

..LEITMAN/GUYER.. 06/21/2016

ATTN...WFO...LBF...UNR...CYS...BYZ...

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