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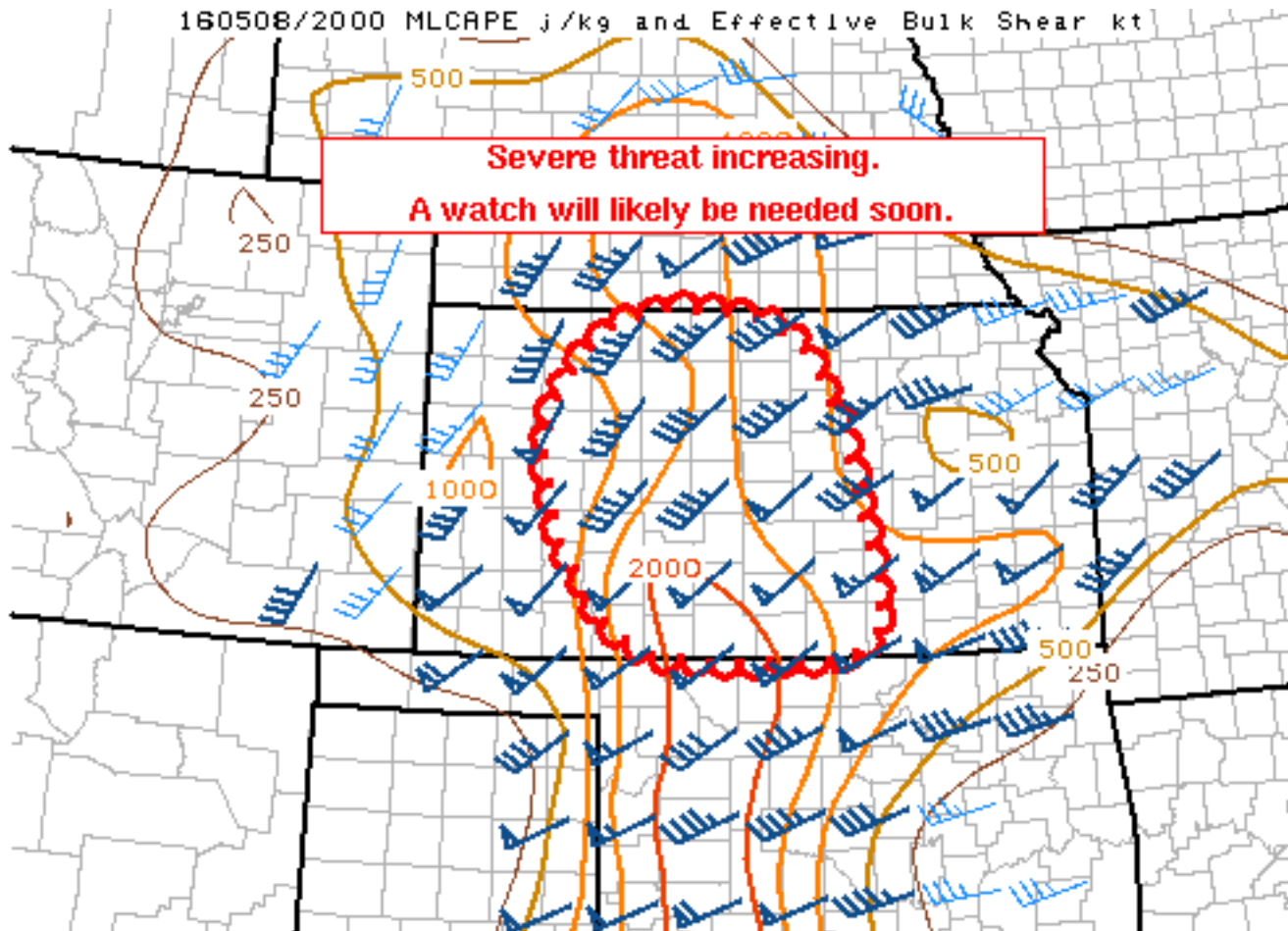
SPC Feedback

Mesoscale Discussion 557

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160508/2000 MLCAPE j/kg and Effective Bulk Shear kt



SPC MCD #0557

MESOSCALE DISCUSSION 0557
 NWS STORM PREDICTION CENTER NORMAN OK
 0321 PM CDT SUN MAY 08 2016

AREAS AFFECTED...PARTS OF WRN/CNTRL KS

CONCERNING...SEVERE POTENTIAL...WATCH LIKELY

VALID 082021Z - 082115Z

PROBABILITY OF WATCH ISSUANCE...95 PERCENT

SUMMARY...ISOLATED SEVERE STORMS WILL BE CAPABLE OF PRODUCING LARGE HAIL...STRONG WINDS AND PERHAPS A COUPLE OF TORNADOES INTO THE EVENING HOURS. A WATCH WILL LIKELY BE NEEDED SOON.

DISCUSSION...EARLIER CONVECTION AND CLOUD COVER HAS RESULTED IN SLOW DESTABILIZATION ACROSS MUCH OF CENTRAL KS THIS AFTERNOON...WITH GREATEST DESTABILIZATION BEING NEAR THE NW OK/S-CNTRL KS BORDER. CONTINUED HEATING SHOULD ALLOW FOR ADDITIONAL WEAKENING OF THE CAP AND THUNDERSTORMS COULD EITHER 1. MOVE NORTHEAST INTO S-CNTRL KS



FROM NW OK -OR- 2. DEVELOP IN THE VICINITY OF THE DRYLINE/WEAK SURFACE TROUGH INTERSECTION NEAR DDC. WHILE IT IS A BIT UNCERTAIN HOW STORMS WILL EMERGE ACROSS THE AREA...AT LEAST A COUPLE OF SUPERCELLS WITH LARGE HAIL AND A COUPLE OF TORNADOES WILL BE POSSIBLE. AS STORMS TRACK NORTHEAST INTO N-CNTRL KS TOWARD THE WARM FRONT...A TRANSITION TO BOWING SEGMENTS IS POSSIBLE...WITH AN INCREASING THREAT FOR STRONG WINDS IF THIS OCCURS. EASTWARD EXTENT OF THE THREAT REMAINS UNCLER AS SHOWERS AND THUNDERSTORMS HAVE CONTINUES ACROSS EASTERN KS MUCH OF THE DAY. AS SUCH...THE MOSTLY LIKELY AREA TO SEE SEVERE CONVECTION THROUGH THIS EVENING IS PORTIONS OF WRN/CNTRL KS AND A WATCH WILL BE LIKELY BE NEEDED SOON.

..LEITMAN/HART.. 05/08/2016

ATTN...WFO...TOP...ICT...OUN...GID...DDC...GLD...

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