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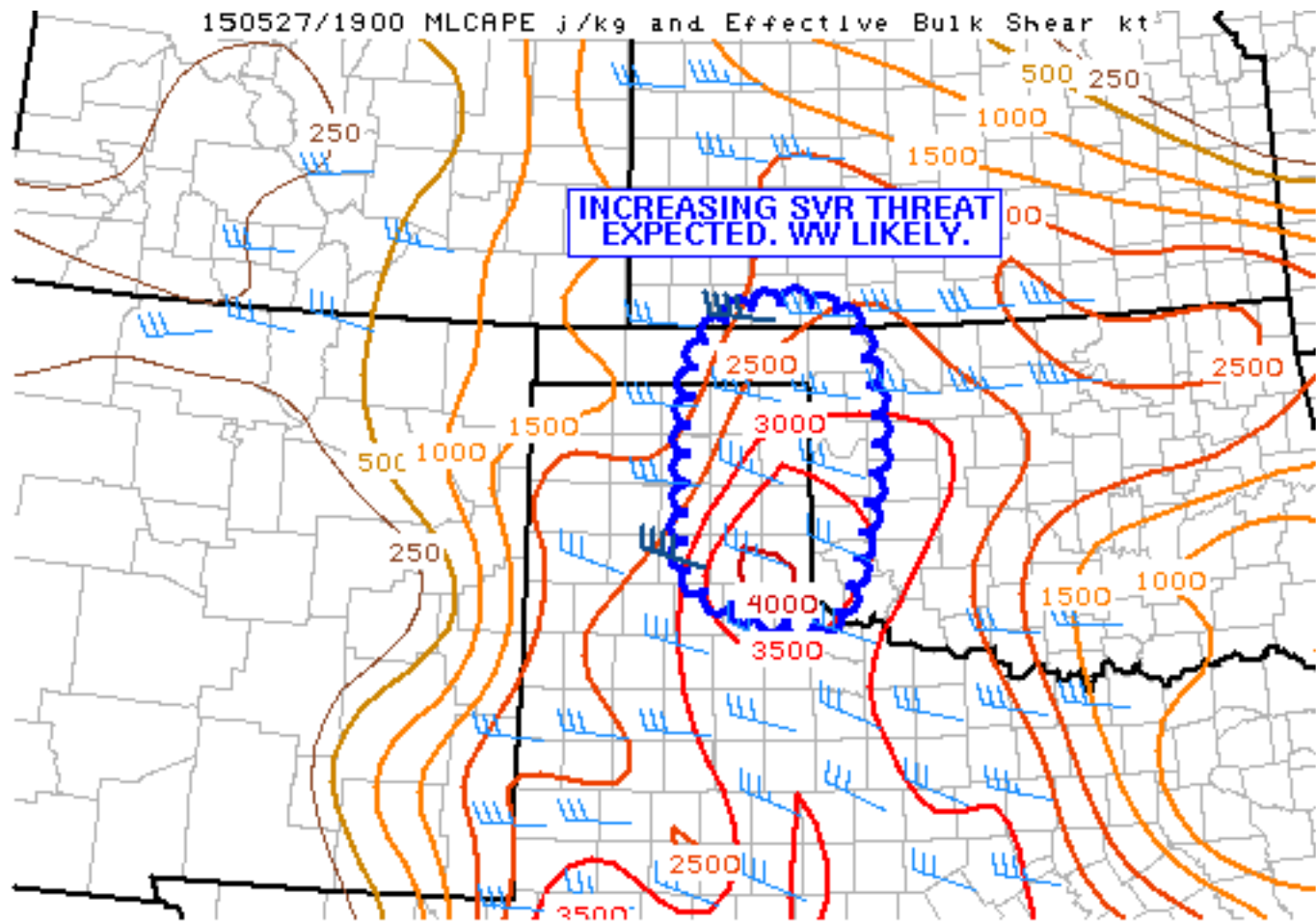
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Mesoscale Discussion 809

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SPC MCD #0809

MESOSCALE DISCUSSION 0809

NWS STORM PREDICTION CENTER NORMAN OK

0213 PM CDT WED MAY 27 2015

AREAS AFFECTED...WRN TX/OK PANHANDLES...WRN OK

CONCERNING...SEVERE POTENTIAL...WATCH LIKELY

VALID 271913Z - 272045Z

PROBABILITY OF WATCH ISSUANCE...80 PERCENT

SUMMARY...CONVECTIVE INITIATION IS EXPECTED OVER THE REGION SHORTLY WITH VERY LARGE HAIL...DAMAGING WINDS...AND POSSIBLY A TORNADO POSSIBLE. WW WILL BE ISSUED SOON.

DISCUSSION...VISIBLE SATELLITE IMAGERY SHOWS A LINE OF CU DEVELOPING FROM JUST W OF PYX SWD TO SW OF PPA IN THE FAR NW TX PANHANDLE. THIS CU APPEARS TO BE DEVELOPING WITHIN AN AREA OF SURFACE CONVERGENCE OF A WEAK MOISTURE GRADIENT. TEMPERATURES IN THE LOW TO MID 80S...DEWPOINTS IN THE MID 60S...AND STEEP MID-LEVEL LAPSE RATES ARE



CONTRIBUTING TO MODERATE TO STRONG INSTABILITY WITH RECENT MESOANALYSIS ESTIMATING MLCAPE OVER 2500 J PER KG. OVERALL KINEMATIC ENVIRONMENT IS FAVORABLE FOR SUPERCELLS WITH EFFECTIVE BULK SHEAR VALUES OVER 40 KT. WITH SUPERCELLS EXPECTED...A WW WILL LIKELY BE NEEDED SOON TO COVER THE POTENTIAL SVR THREAT.

..MOSIER/MEAD.. 05/27/2015

ATTN...WFO...OUN...DDC...LUB...AMA...

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