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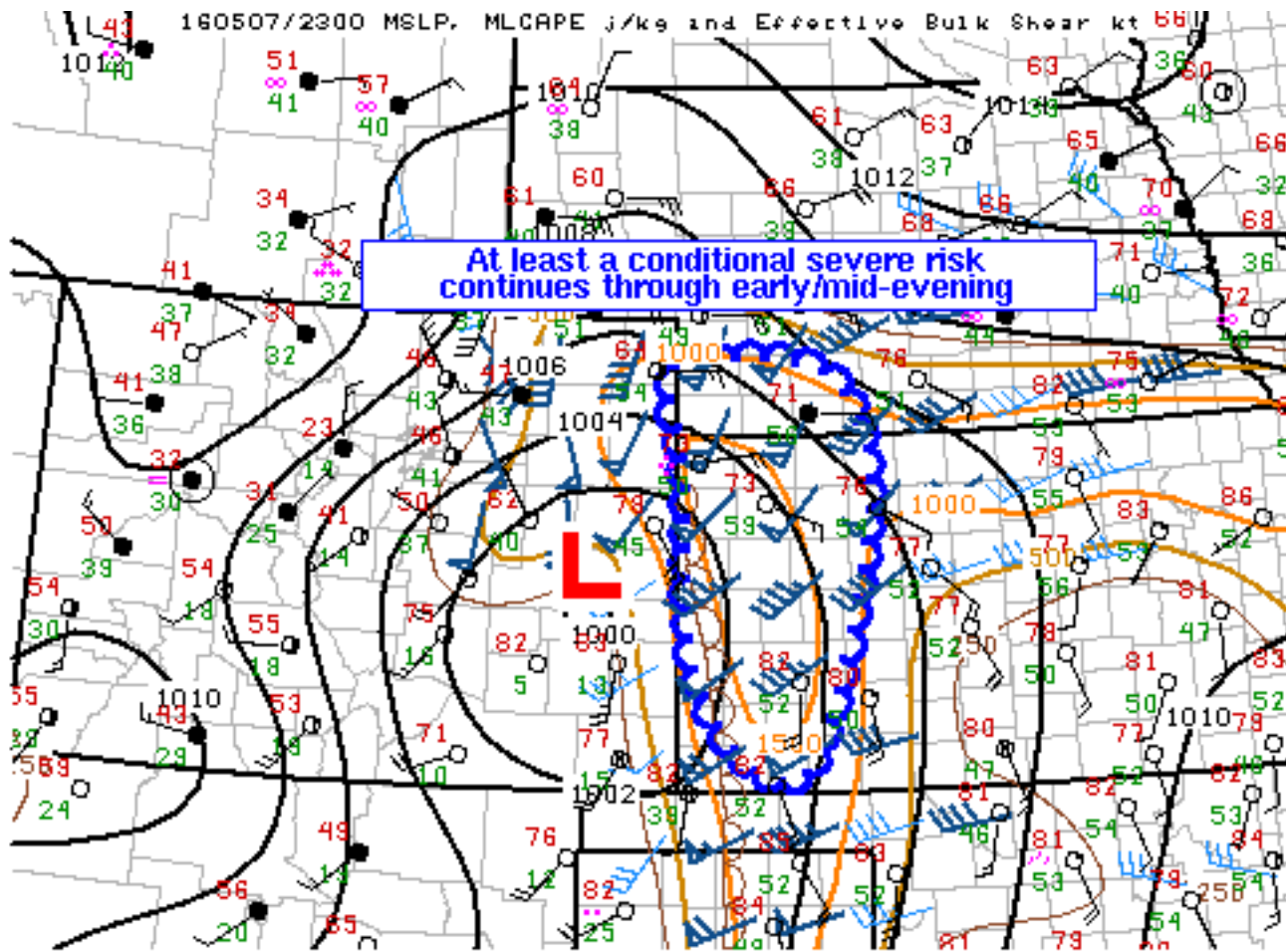
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SPC MCD #0550

MESOSCALE DISCUSSION 0550

NWS STORM PREDICTION CENTER NORMAN OK

0637 PM CDT SAT MAY 07 2016

AREAS AFFECTED...FAR SOUTHWEST NEB/WESTERN KS

CONCERNING...SEVERE THUNDERSTORM WATCH 144...

VALID 072337Z - 080100Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 144 CONTINUES.

SUMMARY...THE POTENTIAL FOR LARGE HAIL AND POSSIBLY A TORNADO/LOCALLY DAMAGING WINDS WILL EXIST THROUGH EARLY/MID-EVENING MAINLY ACROSS FAR SOUTHWEST NEB /AND POSSIBLY EXTREME NORTHWEST KS/...WHILE OTHER MORE ISOLATED SEVERE THUNDERSTORMS COULD YET DEVELOP EARLY THIS EVENING ACROSS WEST-CENTRAL/SOUTHWEST KS. SEVERE THUNDERSTORM WATCH 144 CONTINUES UNTIL 03Z.

DISCUSSION...TO THE IMMEDIATE WEST OF SEVERE THUNDERSTORM WATCH

144...A COUPLE OF SUPERCELLS ARE ONGOING ACROSS NORTHEAST CO IN YUMA/PHILLIPS COUNTIES. THESE STORMS SHOULD GENERALLY STAY SOUTH/WEST OF THE NEB AND KS BORDERS...BUT ADDITIONAL EASTERN-PERIPHERAL DEVELOPMENT COULD OCCUR OVER THE NEXT COUPLE OF HOURS ESPECIALLY INTO FAR SOUTHWEST NEB ALONG/NORTH OF A WEST-EAST FRONT.

FARTHER SOUTH...ALONG THE SOUTHWARD-EXTENDING DRYLINE...OTHER HIGH-BASED STORMS HAVE DEVELOPED OVER THE PAST HOUR /SINCE 2215Z/ BUT HAVE NOT REMAINED PARTICULARLY INTENSE/SUSTAINED ACROSS WEST-CENTRAL/SOUTHWEST KS IN THE WESTERNMOST TWO-TIERS OF COUNTIES. IT APPEARS THAT MODEST BOUNDARY LAYER MOISTURE...WITH LOWER 50S F SURFACE DEWPOINTS WITH 30-DEGREE F TEMPERATURE/DEWPOINT SPREADS...AND WEAK NEAR-SURFACE CONVERGENCE /SOUTHERLY WINDS PREVALENT EAST AND WEST OF THE DRYLINE/ HAVE LIMITED VIGOROUS THUNDERSTORM DEVELOPMENT THUS FAR. EVEN SO...GIVEN 1000-1500 J/KG MLCAPE AND STRONG DEEP-LAYER SHEAR...THE POTENTIAL STILL EXISTS FOR LARGE HAIL/LOCALLY DAMAGING WINDS THROUGH EARLY EVENING IF/WHERE ISOLATED HIGH-BASED STORMS DEVELOP AND REMAIN SUSTAINED.

..GUYER.. 05/07/2016

ATTN...WFO...GID...LBF...DDC...GLD...BOU...

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