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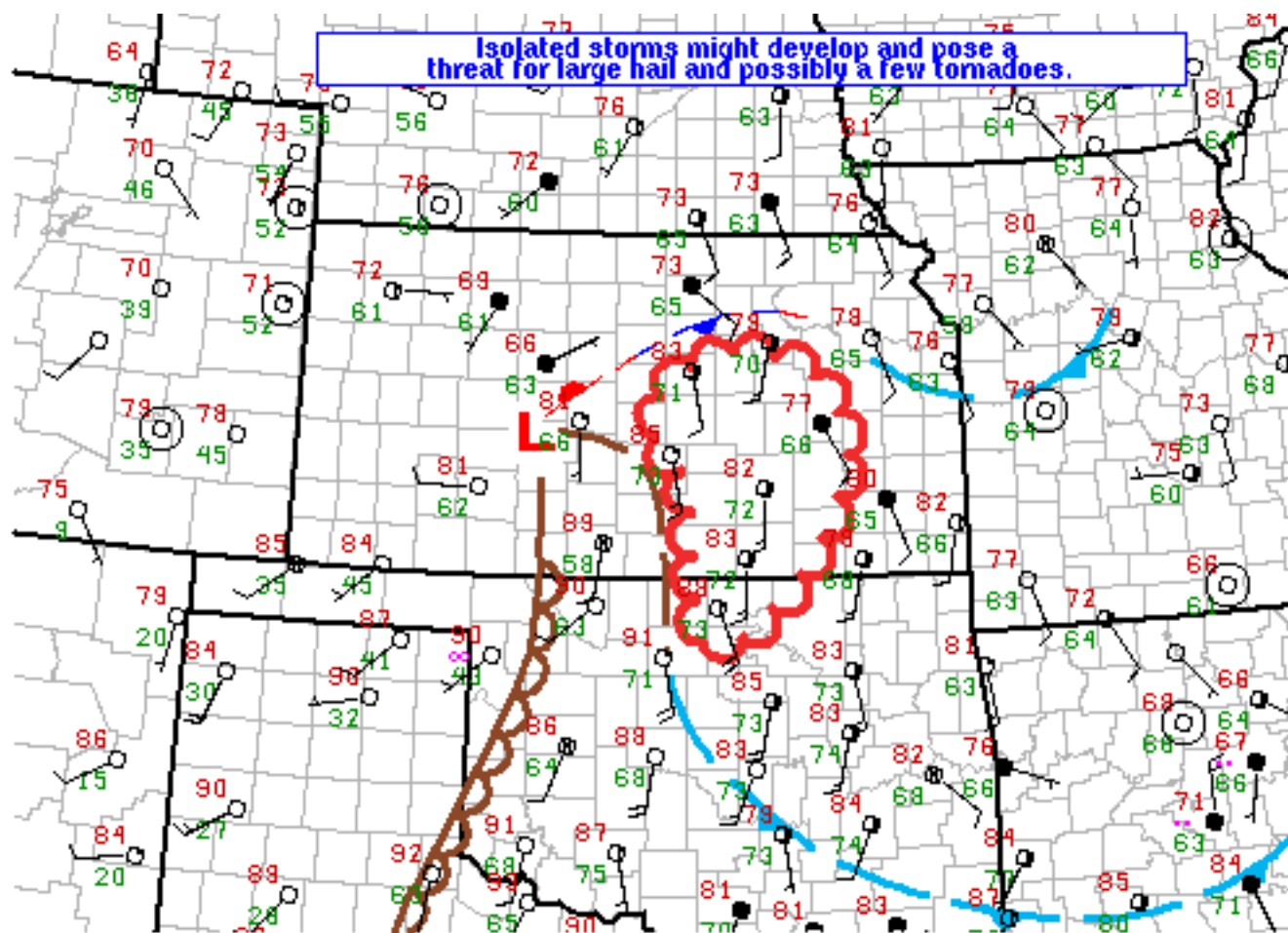
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## Mesoscale Discussion 726

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SPC MCD #0726

MESOSCALE DISCUSSION 0726

NWS STORM PREDICTION CENTER NORMAN OK

0247 PM CDT WED MAY 25 2016

AREAS AFFECTED...NCNTRL OK THROUGH ECNTRL KS

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 251947Z - 252145Z

PROBABILITY OF WATCH ISSUANCE...60 PERCENT

SUMMARY...POTENTIAL EXISTS FOR ISOLATED STORMS TO DEVELOP FROM NCNTRL OK TO ECNTRL KS. ISOLATED LARGE HAIL WILL BE THE MAIN THREAT...BUT A FEW TORNADOES ARE ALSO POSSIBLE.

DISCUSSION...THIS AFTERNOON A DRYLINE EXTENDS FROM A SFC LOW IN WCNTRL KS SWWD THROUGH WRN OK AND NWRN TX. EAST OF DRYLINE A TROUGH EXTENDS FROM CNTRL KS SWD INTO NCNTRL OK...AND THIS BOUNDARY INTERSECTS THE NRN PORTION OF AN EXPANSIVE OUTFLOW BOUNDARY THAT EXTENDS FROM SRN AR THROUGH CNTRL AND NCNTRL OK. E-W

QUASI-STATIONARY FRONT STRETCHES FROM THE SFC LOW IN WCNTRL KS ENEWD THROUGH NCNTRL KS.

LATEST OBJECTIVE ANALYSIS INDICATES THE ATMOSPHERE HAS BECOME VERY UNSTABLE IN THE WARM SECTOR WHERE EML PLUME HAS ADVECTED ABOVE A VERY MOIST BOUNDARY LAYER CONTRIBUTING TO 3000-3500 J/KG MLCAPE. HOWEVER...ATMOSPHERE STILL APPEARS CAPPED IN THIS REGION JUDGING BY THE CHARACTER OF THE LOW CLOUDS. CURRENT THINKING IS THAT STORMS MAY DEVELOP OVER NCNTRL OK INTO SCNTRL KS BY 22Z AT THE INTERSECTION OF THERMAL/MOIST AXIS...OUTFLOW BOUNDARY AND WEAKLY CONVERGENT TROUGH/DRYLINE. GIVEN LINGERING CAP ASSOCIATED WITH EML PLUME AND PRESENCE OF LARGE SCALE SUBSIDENCE/DRYING ALOFT...IT APPEARS LIKELY THAT STORMS WILL REMAIN ISOLATED. HOWEVER...35-40 KT EFFECTIVE SHEAR AND STRONG INSTABILITY WILL SUPPORT SUPERCELLS CAPABLE OF VERY LARGE HAIL. A WINDOW WILL ALSO EXIST FOR A FEW TORNADOES...ESPECIALLY AS THE LLJ STRENGTHENS DURING THE EARLY EVENING AND BEFORE THE BOUNDARY LAYER DECOUPLES.

..DIAL/HART.. 05/25/2016

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