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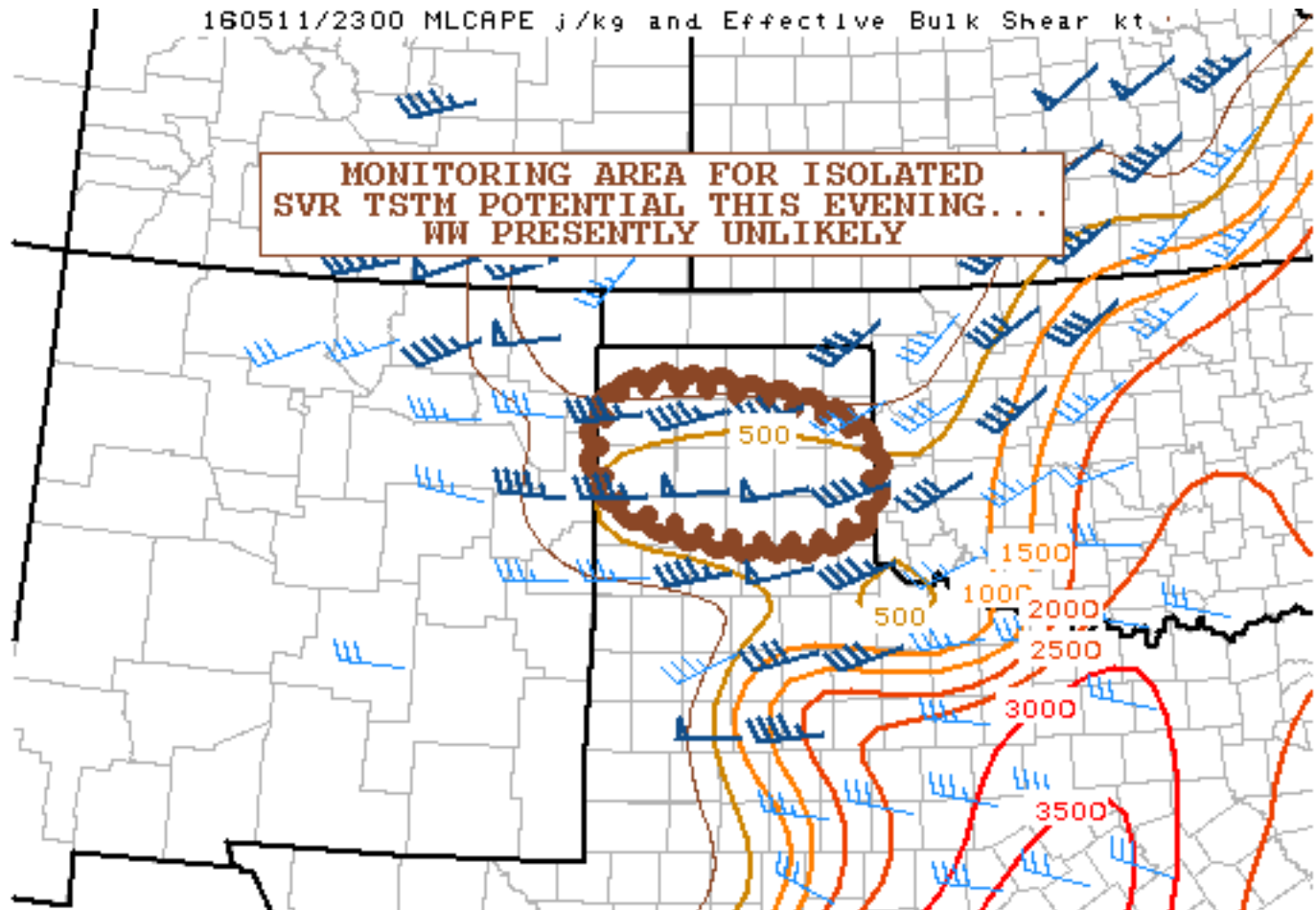
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Mesoscale Discussion 609

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160511/2300 MLCAPE j/kg and Effective Bulk Shear kt


SPC MCD #0609

MESOSCALE DISCUSSION 0609

NWS STORM PREDICTION CENTER NORMAN OK

0653 PM CDT WED MAY 11 2016

AREAS AFFECTED...PORTIONS OF THE TX PANHANDLE

CONCERNING...SEVERE POTENTIAL...WATCH UNLIKELY

VALID 112353Z - 120230Z

PROBABILITY OF WATCH ISSUANCE...20 PERCENT

SUMMARY...AN ISOLATED SVR HAIL RISK WILL EXIST THROUGH THE EVENING HOURS ACROSS PORTIONS OF THE TX PANHANDLE. WHILE CONVECTIVE TRENDS WILL CONTINUE TO BE MONITORED...WW ISSUANCE IS PRESENTLY UNLIKELY.

DISCUSSION...ISOLATED SUPERCELLS WILL LIKELY TRACK ACROSS PARTS OF THE TX PANHANDLE THIS EVENING...AS WATER VAPOR LOOPS IMPLY DCVA EMERGING ACROSS PARTS OF THE CNTRL/SRN HIGH PLAINS IN ADVANCE OF A MID-LEVEL TROUGH. CONVECTION IS DEEPENING AS IT SPREADS ACROSS NERN NM INTO THE NWRN TX PANHANDLE. THIS ACTIVITY WILL CONTINUE TO SPREAD

EWD/ESEWD THROUGH THE EVENING HOURS ON THE SRN RIM OF SFC RIDGING IN A REGIME OF RECYCLED BOUNDARY-LAYER MOISTURE. WITH SFC DEWPOINTS IN THE MIDDLE 40S TO AROUND 50F...MODIFICATIONS TO RAP SOUNDINGS INDICATE 250-1000 J/KG OF MLCAPE WITHIN A NARROW W-E CORRIDOR ACROSS PARTS OF THE TX PANHANDLE. MODERATE DEEP SHEAR AHEAD OF THE MID-LEVEL WAVE ASSOCIATED WITH LONG HODOGRAPHS FEATURING SOME CURVATURE WILL SUPPORT ISOLATED SUPERCELL STRUCTURES WITH LARGE HAIL. THE OVERALL NARROW WIDTH OF THE BUOYANCY CORRIDOR...AND THE LIMITED MOISTURE...ARE CURRENTLY FORECAST TO LIMIT SVR COVERAGE. REGARDLESS...CONVECTIVE TRENDS WILL CONTINUE TO BE MONITORED.

..COHEN/THOMPSON.. 05/11/2016

ATTN...WFO...AMA...

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