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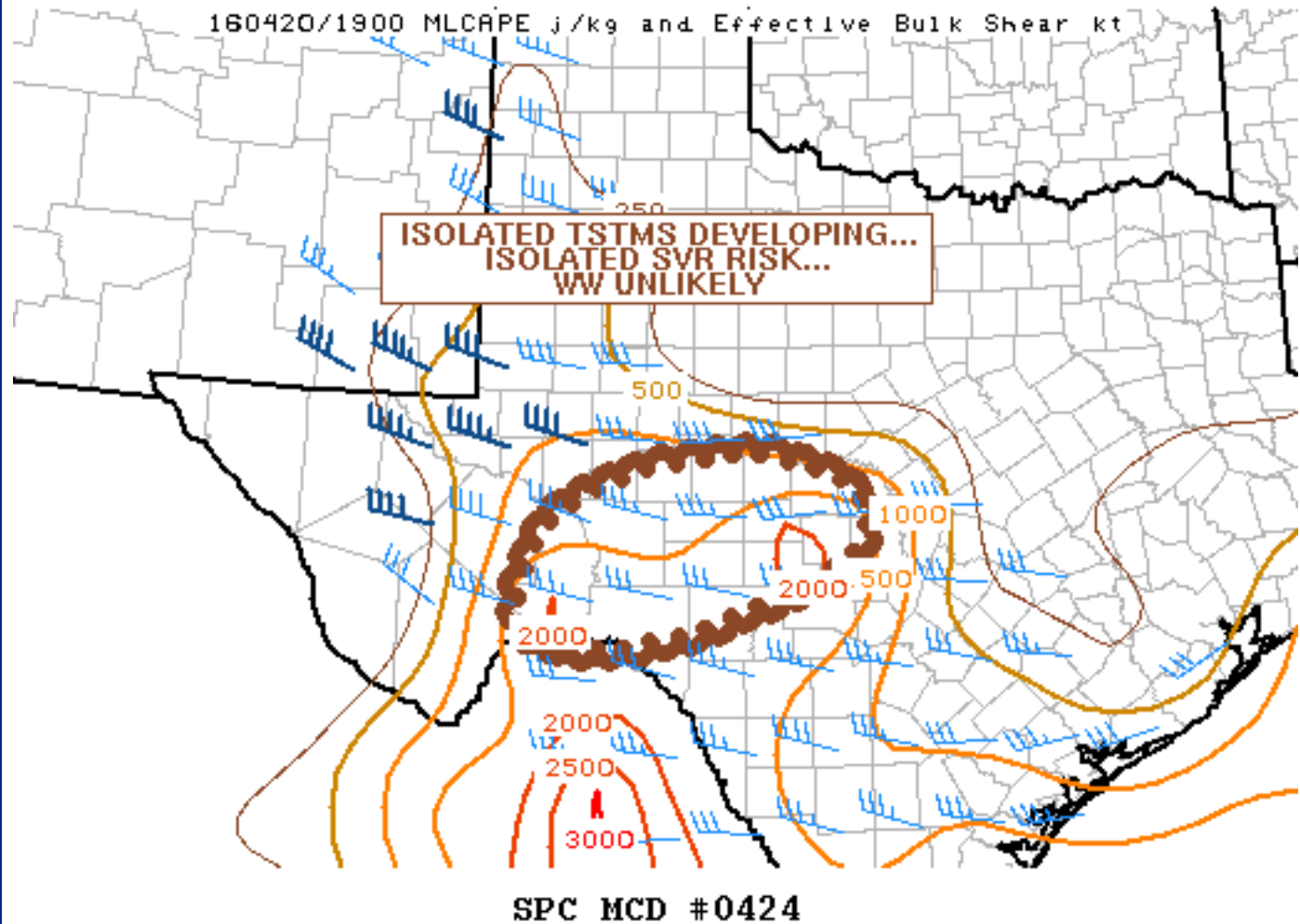
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## Mesoscale Discussion 424

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MESOSCALE DISCUSSION 0424

NWS STORM PREDICTION CENTER NORMAN OK

0241 PM CDT WED APR 20 2016

AREAS AFFECTED...PORTIONS OF SWRN/CNTRL TX

CONCERNING...SEVERE POTENTIAL...WATCH UNLIKELY

VALID 201941Z - 202145Z

PROBABILITY OF WATCH ISSUANCE...5 PERCENT

SUMMARY...A FEW TSTMS MAY REACH SVR LEVELS FROM PARTS OF THE STOCKTON PLATEAU ACROSS PORTIONS OF THE EDWARDS PLATEAU THROUGH THE AFTERNOON. HOWEVER...SVR COVERAGE IS EXPECTED TO BE TOO LIMITED FOR WW ISSUANCE.

DISCUSSION...WEAK CONVERGENCE ALONG DIFFUSE OUTFLOW BOUNDARIES AND DIFFERENTIAL HEATING ZONES AMIDST CONVECTIVELY RECYCLED MOISTURE AND INSOLATION IS SUPPORTING INCIPIENT CONVECTIVE DEVELOPMENT OVER THE CONCHO VALLEY. ADDITIONAL CUMULUS CONGESTUS OVER THE DAVIS/GLASS

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MOUNTAINS HAS GIVEN WAY TO ISOLATED TSTM DEVELOPMENT. STEEPENING LOW-LEVEL LAPSE RATES ARE CONTRIBUTING TO 1000-2000 J/KG OF MLCAPE THAT WILL COMBINE WITH 30-40 KT OF EFFECTIVE BULK SHEAR TO SUPPORT ISOLATED ORGANIZED CONVECTIVE STRUCTURES DEVELOPING FROM THE AFOREMENTIONED ACTIVITY...AND SPREADING EWD/SEWD. SPORADIC SVR WIND/HAIL MAY OCCUR...THOUGH THE DEARTH OF LARGE-SCALE ASCENT AND PRESENCE OF ONLY WEAK SFC BOUNDARIES SUGGEST THAT ANY SVR RISK SHOULD REMAIN VERY ISOLATED.

..COHEN/HART.. 04/20/2016

ATTN...WFO...EWX...SJT...MAF...

LAT...LON 30670235 31220163 31510008 31179891 30529903 29780099  
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Page last modified: April 20, 2016

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