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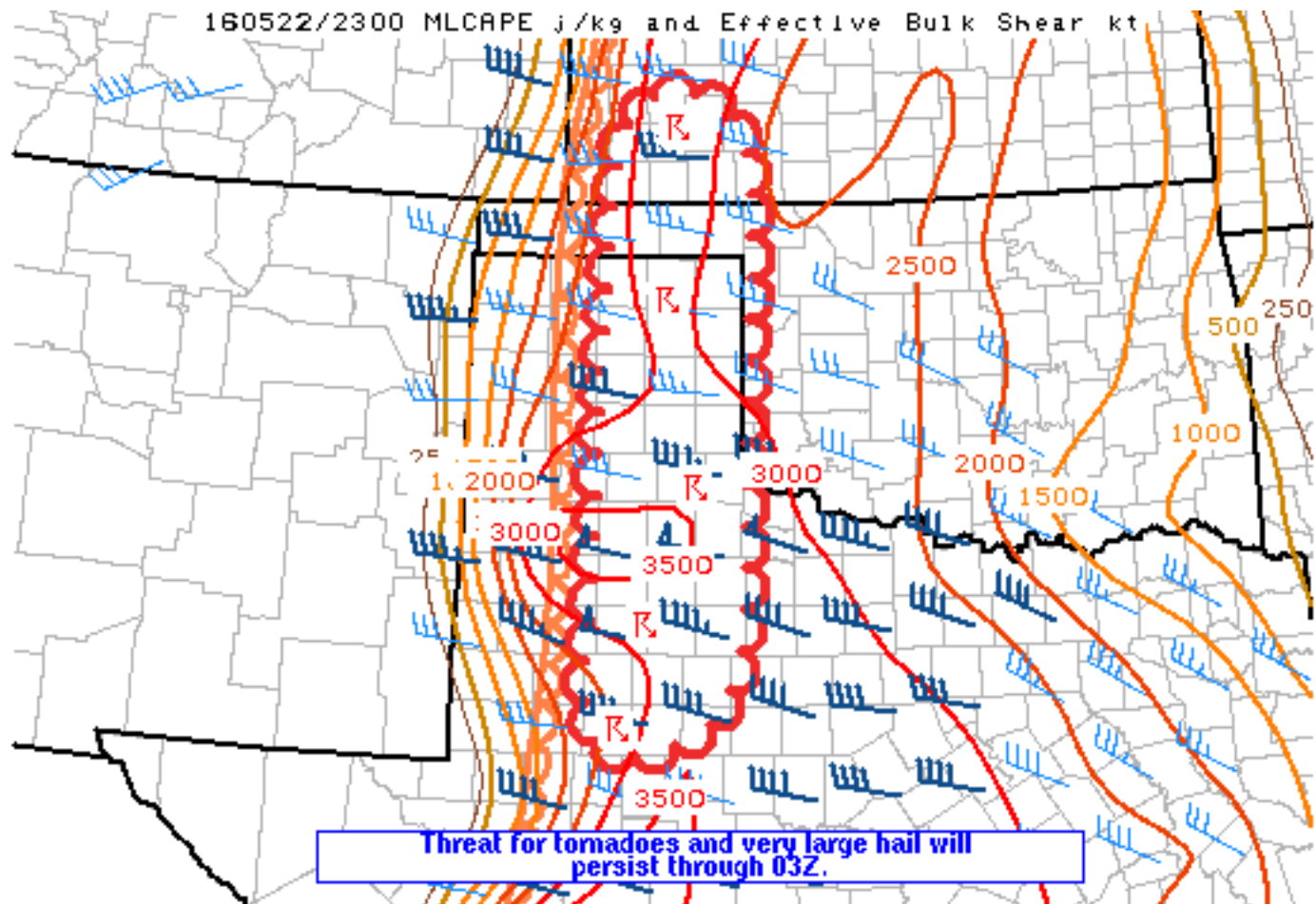
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Mesoscale Discussion 682

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SPC MCD #0682

MESOSCALE DISCUSSION 0682

NWS STORM PREDICTION CENTER NORMAN OK

0702 PM CDT SUN MAY 22 2016

AREAS AFFECTED...WRN TX...OK PANHANDLE AND SWRN KS

CONCERNING...TORNADO WATCH 190...

VALID 230002Z - 230200Z

THE SEVERE WEATHER THREAT FOR TORNADO WATCH 190 CONTINUES.

SUMMARY...THREAT FOR VERY LARGE HAIL...TORNADOES AND DAMAGING WIND GUSTS WILL PERSIST THROUGH 03Z FROM PORTIONS OF WRN TX INTO THE TX AND OK PANHANDLES AND SWRN KS.

DISCUSSION...NUMEROUS STORMS INCLUDING SUPERCELLS THAT INITIATED ALONG AND JUST AHEAD OF DRYLINE PERSIST FROM NWRN TX NWD INTO SWRN KS. VERY LARGE HAIL AND TORNADOES HAVE BEEN REPORTED WITH THESE STORMS...AND THIS THREAT WILL LIKELY PERSIST DURING THE NEXT 2-3 HOURS BEFORE A GRADUAL WEAKENING TREND BEGINS. VWP DATA FROM

AMARILLO HAVE SHOWN A NOTABLE INCREASE IN BOTH 0-1 KM HODOGRAPHS SIZE /200-250 0-1 KM STORM RELATIVE HELICITY/ AND MID-LEVEL WINDS. THESE STORMS REMAIN IN A FAVORABLE LOCATION TO INGEST AIR FROM A VERY MOIST AND UNSTABLE BOUNDARY LAYER WHERE WARM-SECTOR CAPE RANGES FROM 2500-3500 J/KG. STORMS REMAIN RELATIVELY DISCRETE DESPITE NUMEROUS STORM MERGERS...AND THE THREAT FOR VERY LARGE HAIL AND TORNADOES WILL PERSIST NEXT 2-3 HOURS.

ONSET OF NOCTURNAL COOLING WILL RESULT IN A GRADUAL INCREASE IN CONVECTIVE INHIBITION...AND STORMS SHOULD BEGIN A WEAKENING TREND BY 03Z. HOWEVER...THE STRENGTHENING LLJ MIGHT FOSTER THE MAINTENANCE OF ONE OR MORE STORM CLUSTERS INTO THE LATE EVENING...BUT IF THIS OCCURS PRIMARY THREAT WILL TRANSITION TO DAMAGING WIND.

..DIAL.. 05/23/2016

ATTN...WFO...OUN...DDC...SJT...LUB...AMA...MAF...

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