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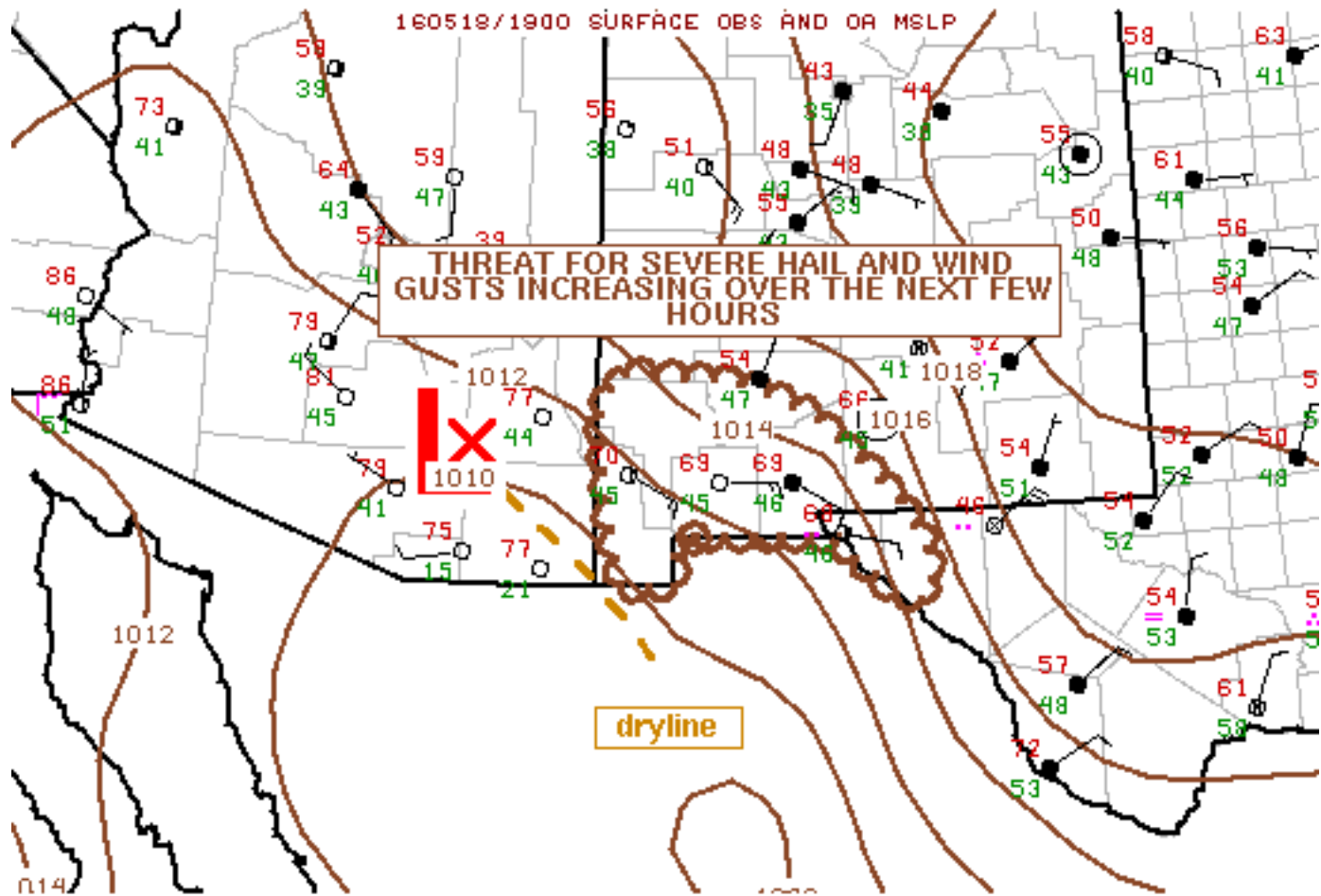
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SPC MCD #0649

MESOSCALE DISCUSSION 0649

NWS STORM PREDICTION CENTER NORMAN OK

0249 PM CDT WED MAY 18 2016

AREAS AFFECTED...PORTIONS OF FAR SOUTHWEST NEW MEXICO AND FAR WEST TEXAS

CONCERNING...SEVERE POTENTIAL...WATCH UNLIKELY

VALID 181949Z - 182215Z

PROBABILITY OF WATCH ISSUANCE...20 PERCENT

SUMMARY...THUNDERSTORMS CAPABLE OF SEVERE HAIL AND SEVERE WIND GUSTS WILL MOVE INTO/DEVELOP OVER THE MCD AREA OVER THE NEXT FEW HOURS. HOWEVER THE RELATIVELY CONFINED AREA OF THE THREAT WILL PROBABLY PRECLUDE THE NEED FOR A SEVERE WEATHER WATCH.

DISCUSSION...FORCING FOR ASCENT FROM A SEASONABLY STRONG MID-TO-UPPER-LEVEL SHORT WAVE TROUGH AND EASTERLY LOW-LEVEL FLOW IMPINGING ON A DRYLINE/SURFACE TROUGH WILL SUPPORT THUNDERSTORM

DEVELOPMENT IN THE NEXT HOUR OVER THE WESTERN PORTION OF THE MCD AREA...THEN SPREADING EAST THROUGH THE AFTERNOON. HEATING THROUGHOUT THE MORNING AND DEWPOINTS IN THE MID-40S...LIKELY WELL MIXED THROUGHOUT A 1-1.5-KM DEEP PBL...AND MODERATELY STEEP 700-500 MB LAPSE RATES OF 7.5 C/KM ARE PRODUCING MIXED-LAYER CAPE OF 500-1000 J/KG PER MODIFIED 18Z EL PASO SOUNDING AND RAP ANALYSIS SOUNDINGS. AMPLE DEEP-LAYER SHEAR ASSOCIATED WITH THE EASTERLY LOW-LEVEL FLOW AND A STRONG 500-300 MB WESTERLY JET STREAK NOW OVERSPREADING THE AREA WILL SUPPORT SUPERCELLS CAPABLE OF SEVERE HAIL WITH THE STRONGER UPDRAFTS AND MORE PERSISTENTLY ROTATING STORMS. EVAPORATIVE COOLING/MELTING IN THE DEEP WELL-MIXED PBL COULD SUPPORT SEVERE WIND GUSTS IN THE STRONGER DOWNDRAFTS. COVERAGE OF SEVERE THREAT IS EXPECTED TO REMAIN BELOW THAT NEEDED FOR A WEATHER WATCH...BUT THE AREA WILL BE MONITORED FOR ANY SIGNS OF MORE WIDESPREAD SEVERE POTENTIAL...ESPECIALLY AS THE STORMS SPREAD EAST THROUGHOUT THE AFTERNOON.

..CONIGLIO/GOSS.. 05/18/2016

ATTN...WFO...ABQ...EPZ...

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