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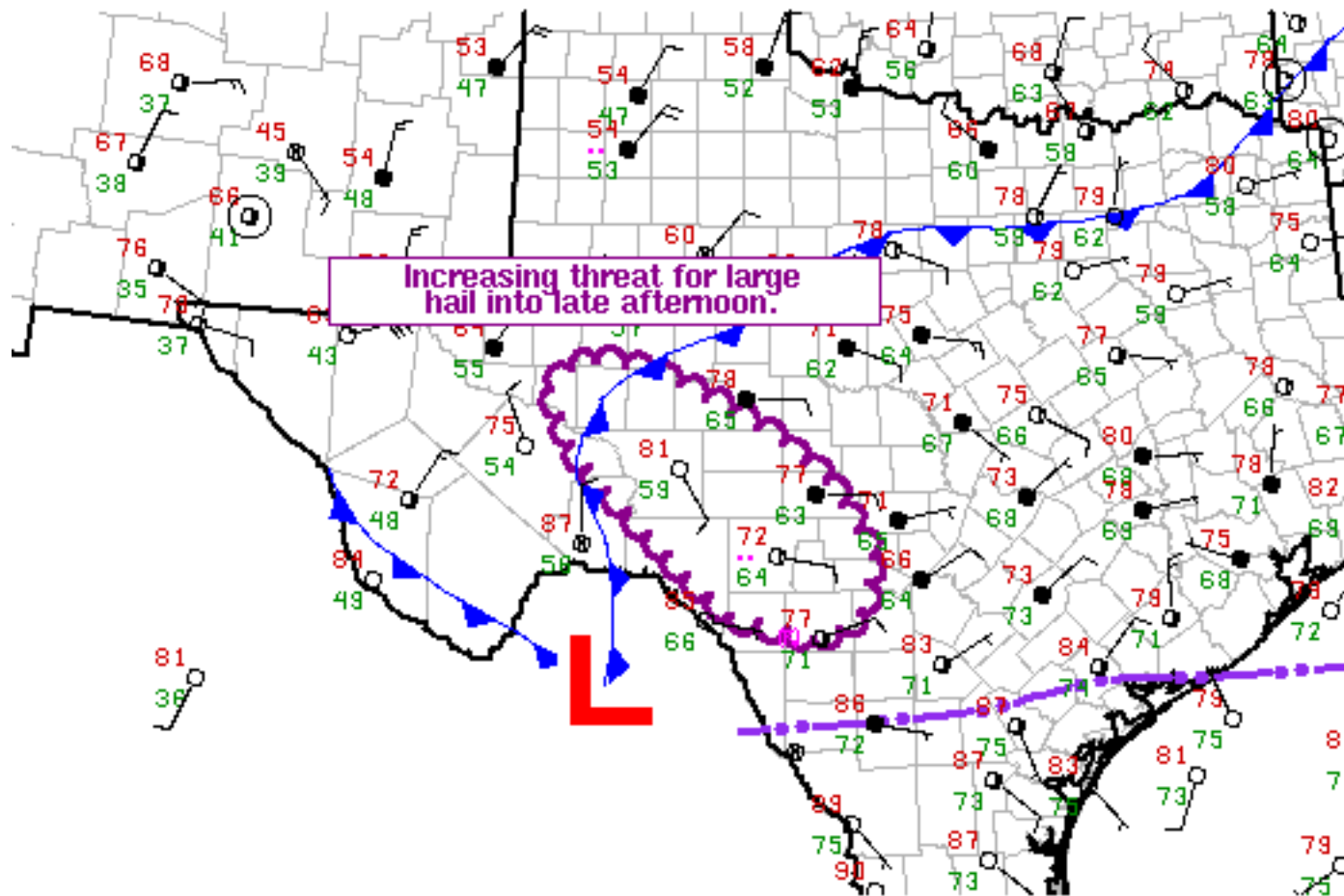
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## Mesoscale Discussion 641

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SPC MCD #0641

MESOSCALE DISCUSSION 0641

NWS STORM PREDICTION CENTER NORMAN OK

0152 PM CDT TUE MAY 17 2016

AREAS AFFECTED...LOWER PECOS VALLEY TO EDWARDS PLATEAU

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 171852Z - 172045Z

PROBABILITY OF WATCH ISSUANCE...60 PERCENT

SUMMARY...A FEW STORMS FORMING WITHIN OVER THE LOWER PECOS VALLEY SHOULD STRENGTHEN WITH A PRIMARY RISK OF LARGE HAIL. THIS THREAT MAY BE RELATIVELY CONFINED SHORT-TERM WITHIN THIS REGION BEFORE INCREASING DOWNSTREAM TOWARDS EARLY EVENING.

DISCUSSION...SURFACE-BASED STORM INITIATION IS UNDERWAY ALONG THE SLOW-MOVING COLD FRONT ACROSS THE LOWER PECOS VALLEY. THE AIR MASS WITHIN THIS AREA AND THE CONCHO VALLEY APPEARS TO BE MODERATELY UNSTABLE WITH MLCAPE NEAR 1500-2000 J/KG. GIVEN SUBSTANTIAL VEERING

OF THE WIND PROFILE WITH HEIGHT ALONG WITH STEEP MID-LEVEL LAPSE RATES...A COUPLE SUPERCELLS SHOULD DEVELOP DURING THE NEXT COUPLE HOURS WITH A PRIMARY RISK OF LARGE HAIL. DOWNSTREAM OVER THE EASTERN EDWARDS PLATEAU TO HILL COUNTRY...ELEVATED CONVECTION NORTH OF LARGE-SCALE CONVECTIVE OUTFLOW THAT RIPPLED SOUTHWARD HAS LIMITED SURFACE-BASED DESTABILIZATION. THIS SHOULD RESULT IN THE SEVERE THREAT BEING SPATIALLY CONFINED THROUGH LATE AFTERNOON.

..GRAMS/GOSS.. 05/17/2016

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

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