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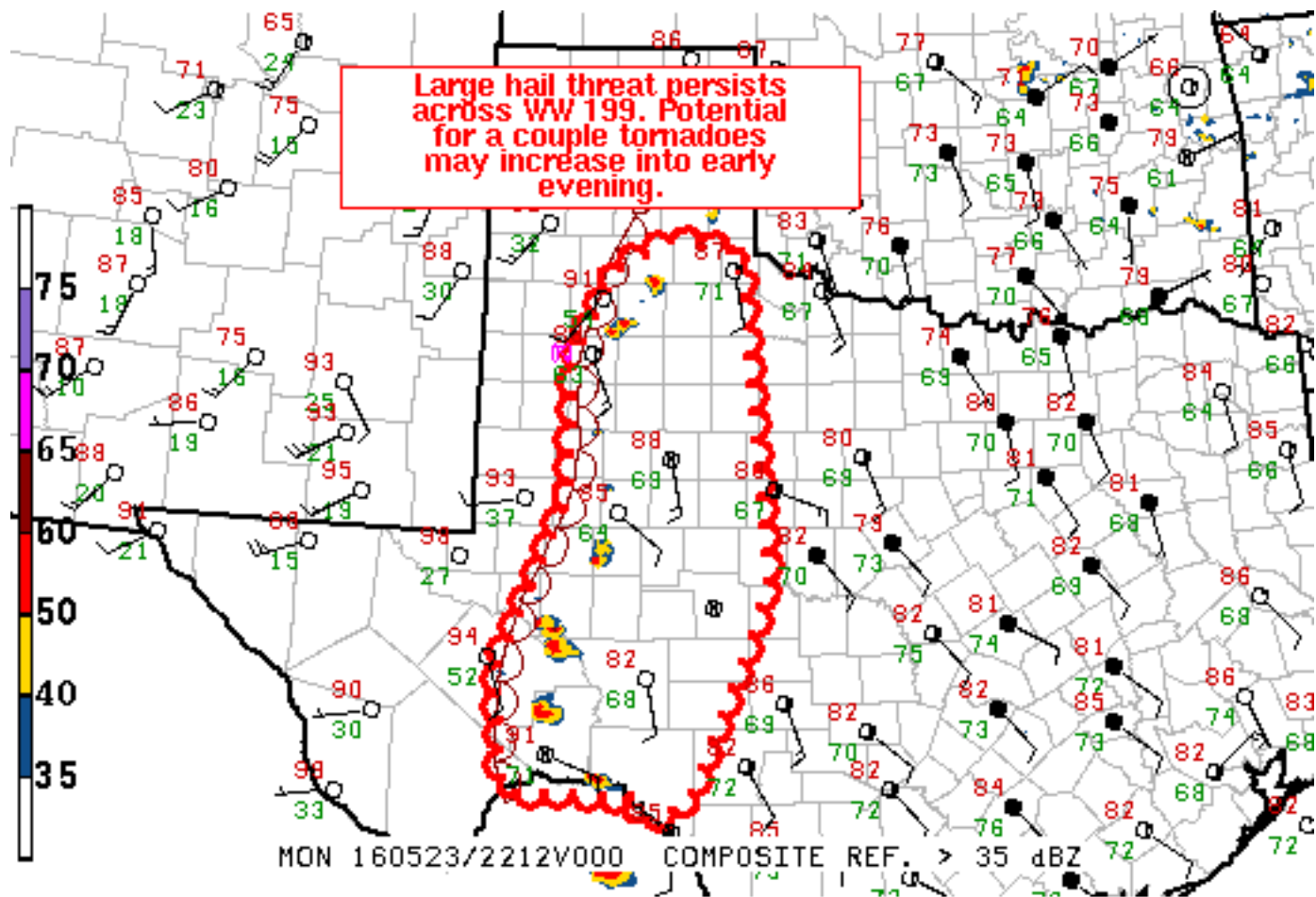
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Mesoscale Discussion 697

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SPC MCD #0697

MESOSCALE DISCUSSION 0697
 NWS STORM PREDICTION CENTER NORMAN OK
 0529 PM CDT MON MAY 23 2016

AREAS AFFECTED...WEST/SOUTHWEST TX

CONCERNING...TORNADO WATCH 199...

VALID 232229Z - 240000Z

THE SEVERE WEATHER THREAT FOR TORNADO WATCH 199 CONTINUES.

SUMMARY...THE THREAT FOR VERY LARGE HAIL WILL CONTINUE IN THE NEAR-TERM ACROSS WEST AND SOUTHWEST TX. TORNADO POTENTIAL MAY INCREASE INTO THE EARLY EVENING.

DISCUSSION...TSTM COVERAGE CONTINUES TO INCREASE AS CONVECTIVE TEMPERATURES HAVE BEEN REACHED ALONG A WAVY DRYLINE...WHICH EXTENDS GENERALLY SSWD FROM NEAR KPVW TO KFST. SFC OBSERVATIONS SUGGEST THE DRYLINE HAS STALLED NEAR I-27/HWY 87...AND WFO LUB HAS ADDED AN ADDITIONAL ROW OF COUNTIES TO TORNADO WATCH 199. RECENT RADAR TRENDS

SUGGEST THE MOST INTENSE CONVECTION IS FOCUSED ACROSS SOUTHWEST TX...WHERE DEVELOPING ISOLATED SUPERCELLS ARE POSING A THREAT FOR LARGE HAIL. STORMS HAVE STRUGGLED TO MAINTAIN INTENSITY THUS FAR INTO THE TX SOUTH PLAINS...BUT AN EXTREMELY UNSTABLE AIR MASS REMAINS IN PLACE...WITH LATEST OBJECTIVE ANALYSIS DATA ESTIMATING MLCAPE VALUES EXCEEDING 3000 J/KG ALONG/E OF THE CAPROCK. THE CURRENT EXPECTATION IS FOR LARGE-HAIL POTENTIAL TO CONTINUE INCREASING INTO THE EARLY EVENING AS ISOLATED SUPERCELL DEVELOPMENT BECOMES MORE LIKELY. TORNADO POTENTIAL MAY ALSO ACCOMPANY ANY MATURE STORM AS LOW-LEVEL SHEAR INCREASES THIS EVENING.

..ROGERS.. 05/23/2016

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

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29700265 30760277 32370203 33610205 34460155 34710098
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