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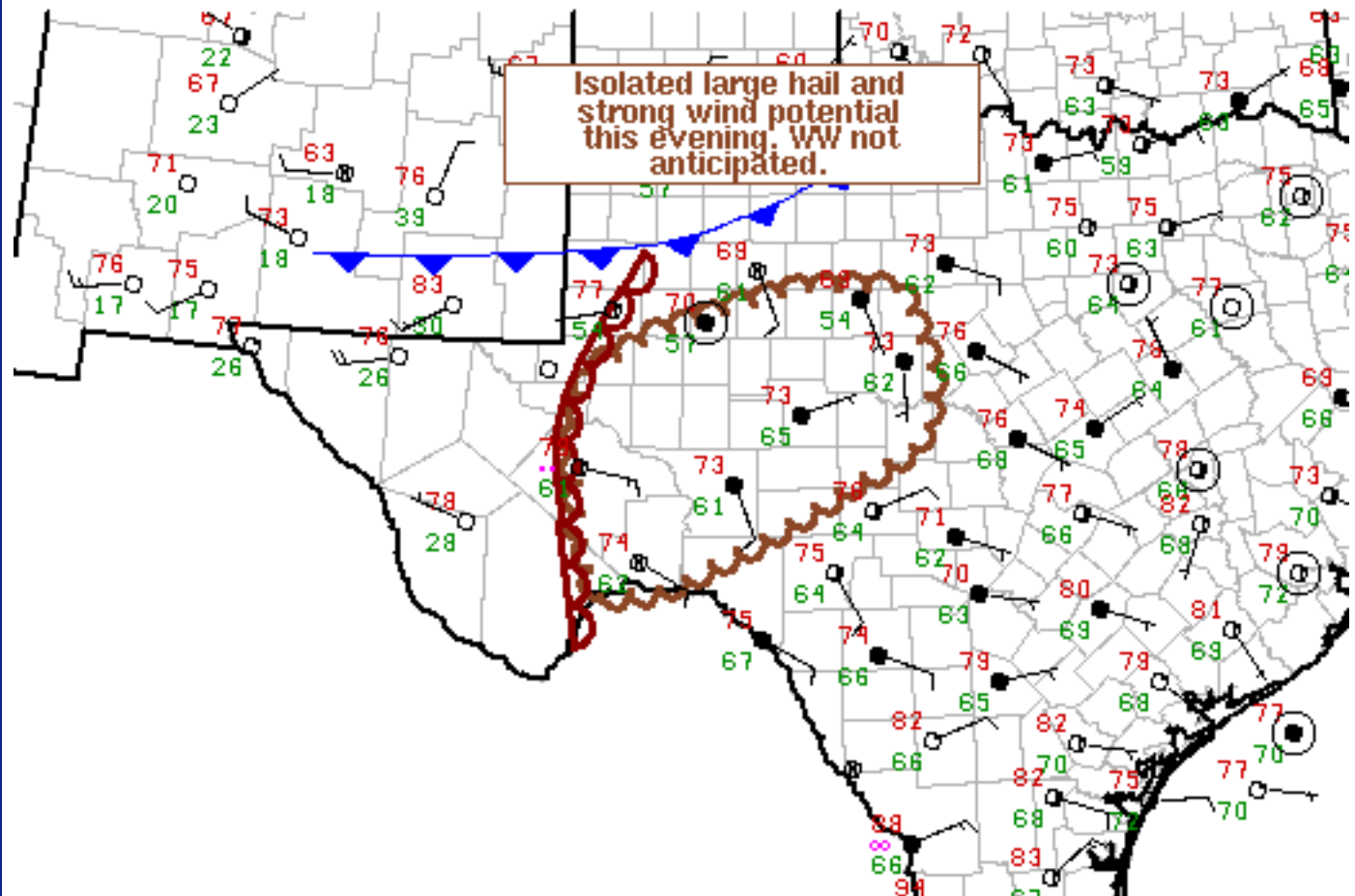
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SPC MCD #0419

MESOSCALE DISCUSSION 0419

NWS STORM PREDICTION CENTER NORMAN OK

0611 PM CDT TUE APR 19 2016

AREAS AFFECTED...PARTS OF SOUTHWEST AND WEST-CENTRAL TEXAS

CONCERNING...SEVERE POTENTIAL...WATCH UNLIKELY

VALID 192311Z - 200045Z

PROBABILITY OF WATCH ISSUANCE...20 PERCENT

SUMMARY...ISOLATED THUNDERSTORMS WILL PERSIST ACROSS PARTS OF SOUTHWEST TX...AND MAY DEVELOP EWD INTO WEST-CENTRAL TX THIS EVENING. ISOLATED INSTANCES OF LARGE HAIL AND STRONG WIND GUSTS...AND A BRIEF/WEAK TORNADO...ARE POSSIBLE BUT COVERAGE SHOULD REMAIN TOO LIMITED FOR WW ISSUANCE.

DISCUSSION...LATEST SATELLITE/RADAR LOOPS SHOW A MATURE STORM LOCATED OVER SRN PECOS COUNTY HAS RECENTLY ACQUIRED A SSEWD MOTION TOWARDS SANDERSON /AS OF 2300Z/ AND HAS EXHIBITED THE POTENTIAL FOR

ISOLATED LARGE HAIL. MORE RECENT CONVECTIVE INITIATION WAS OCCURRING NW OF THIS AREA...NEAR FORT STOCKTON...AND RECENT TRENDS SUGGEST A LONGER-LIVED CLUSTER OF TSTMS MAY EVOLVE AND SPREAD EWD...WITH FORCING FOR ASCENT PERHAPS AIDED BY THE GLANCING INFLUENCE OF A MIDLEVEL VORT LOBE MOVING ACROSS THE TX PANHANDLE AND SOUTH PLAINS.

THE ENVIRONMENT APPEARS TO FAVOR A PRIMARY THREAT FOR ISOLATED LARGE HAIL GIVEN THE PRESENCE OF MODERATELY STEEP LAPSE RATES AND DISCRETE CONVECTIVE MODE CURRENTLY OBSERVED. A BRIEF/WEAK TORNADO THREAT MAY ALSO EXIST FOR THE NEXT 1-2 HRS IN ASSOCIATION WITH ANY TRANSIENT SUPERCELL STRUCTURE THAT EXISTS. THE THREAT FOR STRONG WINDS SHOULD BE SOMEWHAT LIMITED SPATIALLY BY RELATIVELY MILD TEMPERATURES /GENERALLY 70S F/ E OF ONGOING CONVECTION...SUGGESTING MODEST LOW-LEVEL LAPSE RATES ARE PRESENT. 10-20 KT OF AMBIENT 0-1 KM AGL FLOW WAS ALSO OBSERVED IN EARLIER SOUNDINGS AND MORE RECENT REGIONAL VWP DATA. HOWEVER...STRONG-WIND POTENTIAL MAY LOCALLY INCREASE THIS EVENING IF A MORE ORGANIZED CLUSTER/COLD POOL CAN MATERIALIZE INTO WEST-CENTRAL TX. NEVERTHELESS...BOTH HAIL/WIND POTENTIAL IS CURRENTLY EXPECTED TO REMAIN SUFFICIENTLY MARGINAL/LOCALIZED TO PRECLUDE WW ISSUANCE THIS EVENING...BUT TRENDS WILL CONTINUE TO BE MONITORED.

..ROGERS/EDWARDS.. 04/19/2016

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

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