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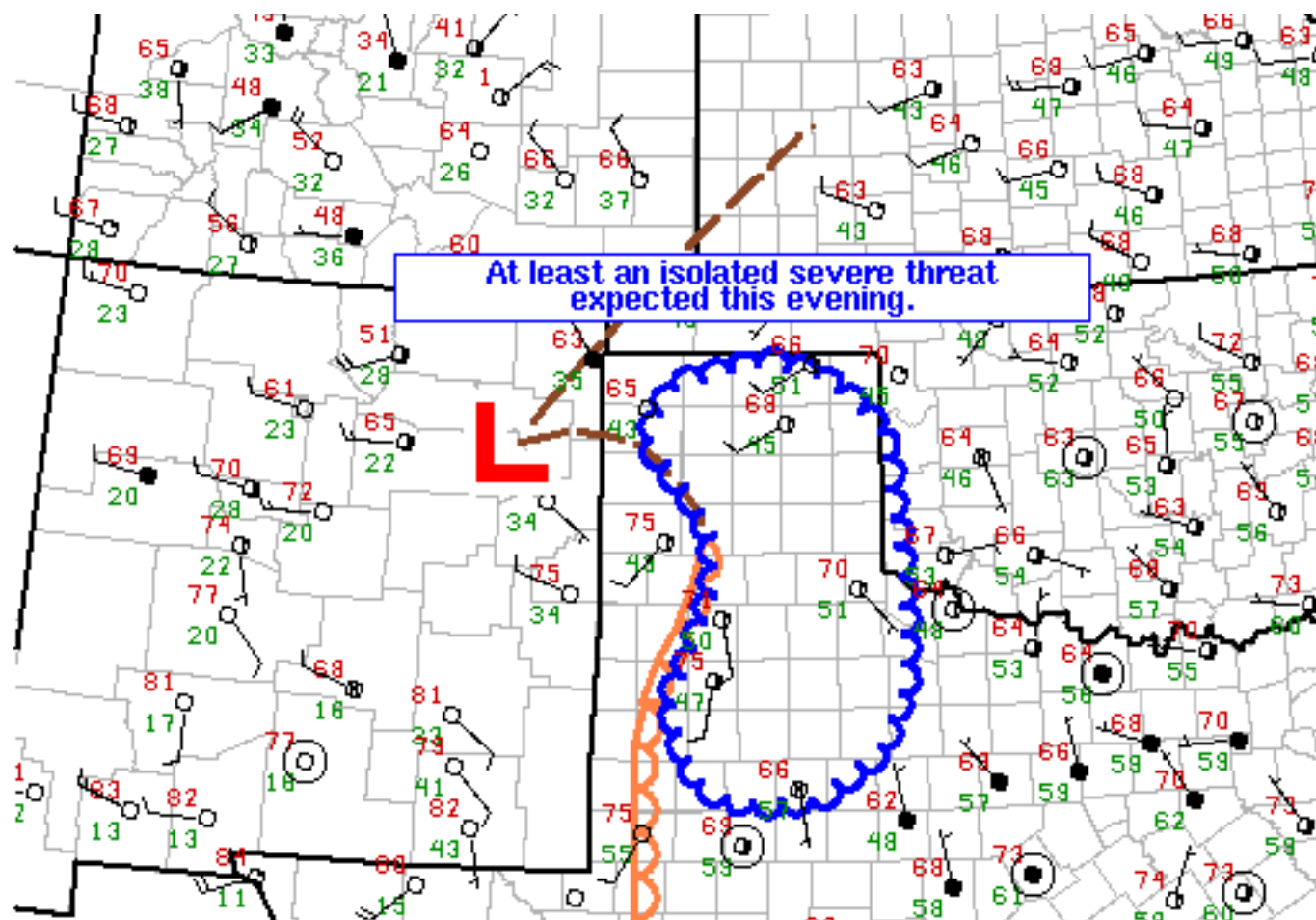
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SPC MCD #0425

MESOSCALE DISCUSSION 0425

NWS STORM PREDICTION CENTER NORMAN OK

0454 PM CDT WED APR 20 2016

AREAS AFFECTED...PANHANDLE...NORTHWEST TX

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 202154Z - 210000Z

PROBABILITY OF WATCH ISSUANCE...60 PERCENT

SUMMARY...ISOLATED STORMS SHOULD DEVELOP ALONG THE I-27 CORRIDOR ON A WEAKLY CONVERGENT DRYLINE. SCATTERED STORMS NEAR THE RATON MESA SHOULD EVENTUALLY CONSOLIDATE INTO A CLUSTER AS THEY SPREAD ACROSS THE TX PANHANDLE. ISOLATED TO WIDELY SCATTERED SEVERE HAIL/WIND SHOULD BE THE PRIMARY HAZARDS.

DISCUSSION...21Z SURFACE ANALYSIS PLACED A DRYLINE OVER THE TX SOUTH PLAINS INTO THE PERMIAN BASIN. INCIPIENT STORM DEVELOPMENT IS OCCURRING NEAR LUBBOCK ALONG THE PERIPHERY OF WEAK SURFACE-BASED



BUOYANCY. WITH A PLUME OF MID TO UPPER 50S SURFACE DEW POINTS JUST TO THE SOUTH-SOUTHEAST THAT WILL BE ADVECTED NORTHWARD THIS EVENING...THIS INITIAL ACTIVITY SHOULD POSE A RISK FOR ISOLATED SEVERE HAIL GIVEN A VEERING WIND PROFILE WITH HEIGHT. FARTHER NORTH...CONVECTION NEAR THE RATON MESA IS BEING AIDED BY A MID-LEVEL VORTICITY LOBE ROTATING ACROSS THE CENTRAL HIGH PLAINS. RECENT ESRL-HRRR RUNS ARE CONSISTENT WITH 12Z CAMS IN DEPICTING A CONSOLIDATING CLUSTER SPREADING SOUTHEASTWARD ACROSS THE PANHANDLE. WHILE BUOYANCY WILL BE LIMITED...PRESENCE OF STEEP LAPSE RATES AND STRONG DEEP SHEAR SHOULD FOSTER A RISK FOR SEVERE HAIL/WIND.

..GRAMS/GOSS.. 04/20/2016

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

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