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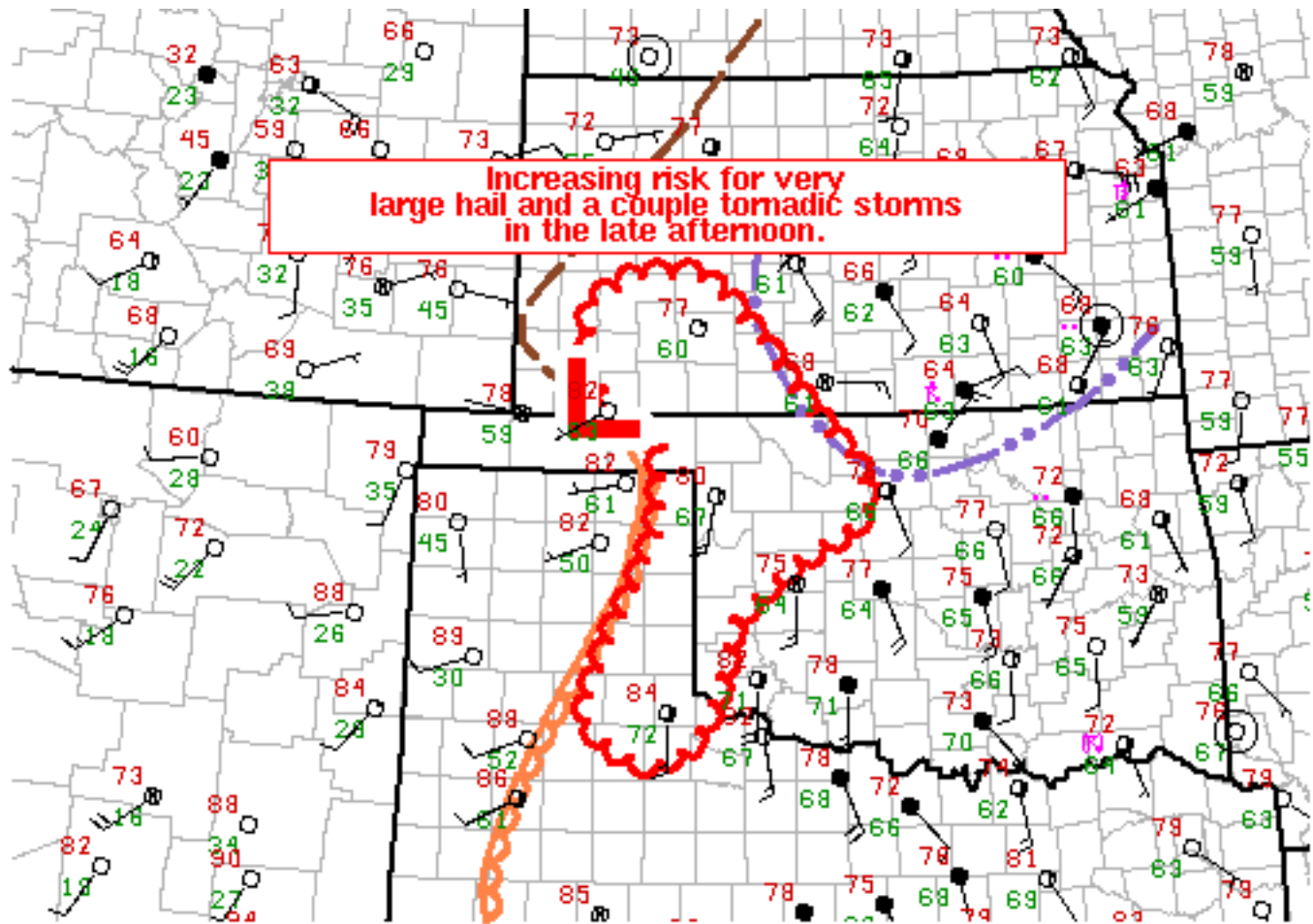
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Mesoscale Discussion 695

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SPC MCD #0695

MESOSCALE DISCUSSION 0695

NWS STORM PREDICTION CENTER NORMAN OK

0218 PM CDT MON MAY 23 2016

AREAS AFFECTED...SOUTHWEST KS...EAST TX/OK PANHANDLES...WEST OK

CONCERNING...SEVERE POTENTIAL...TORNADO WATCH LIKELY

VALID 231918Z - 232115Z

PROBABILITY OF WATCH ISSUANCE...95 PERCENT

SUMMARY...ISOLATED SURFACE-BASED STORMS SHOULD INITIATE ALONG THE DRYLINE AND NEAR A LARGE-SCALE OUTFLOW BOUNDARY. A MODERATE TO STRONGLY UNSTABLE AIR MASS WILL SUPPORT SUPERCELLS CAPABLE OF SIGNIFICANT SEVERE HAIL. BACKED SURFACE WINDS NEAR THE BOUNDARIES SHOULD ALSO FOSTER A RISK FOR A COUPLE TORNADIC SUPERCELLS.

DISCUSSION...19Z SURFACE ANALYSIS PLACED A 1004 MB SURFACE NEAR THE OK PANHANDLE/SOUTHWEST KS BORDER WITH AN ATTENDANT DRYLINE ARCING SOUTH ACROSS THE EAST TX PANHANDLE TO THE PERMIAN BASIN. AN OUTFLOW

BOUNDARY WAS EVIDENT ACROSS NORTH-CENTRAL OKLAHOMA INTO SOUTH-CENTRAL KS...WITH THE NORTH PART OF THIS BOUNDARY SURGING WEST. INCREASINGLY AGITATED CU HAS BEEN NOTED NEAR THESE BOUNDARIES AND LINGERING MLCIN SHOULD BECOME MINIMAL IN THE NEXT 1-2 HOURS. AIR MASS BETWEEN THE DRYLINE AND OUTFLOW ACROSS WEST OK AND THE EAST TX PANHANDLE IS BECOMING STRONGLY UNSTABLE WITH MLCAPE LIKELY BETWEEN 2500-3500 J/KG GIVEN UPPER 60S TO LOWER 70S SURFACE DEW POINTS. SUFFICIENT DEEP-LAYER SHEAR FOR SUPERCELLS SHOULD PROMOTE LARGE HAIL AS THE PRIMARY THREAT. ALTHOUGH LOW-LEVEL WINDS ARE MODEST AT PRESENT...BACKED SURFACE WINDS /ESPECIALLY NEAR THE OUTFLOW BOUNDARY/ AND DEGREE OF BUOYANCY SHOULD FAVOR A COUPLE TORNADIC SUPERCELLS AS WELL.

..GRAMS/HART.. 05/23/2016

ATTN...WFO...OUN...DDC...LUB...AMA...

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