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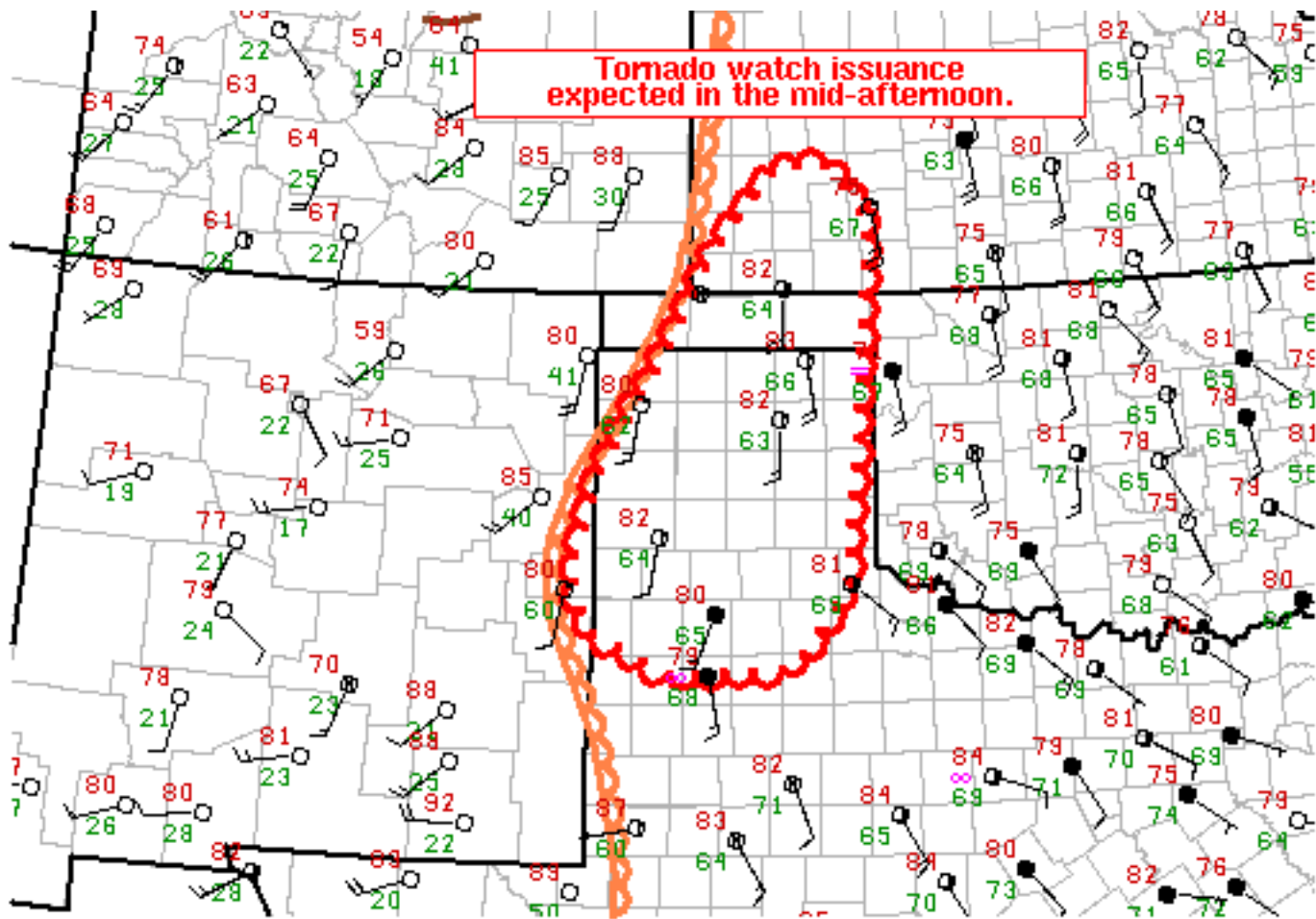
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Mesoscale Discussion 676

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SPC MCD #0676

MESOSCALE DISCUSSION 0676
 NWS STORM PREDICTION CENTER NORMAN OK
 0139 PM CDT SUN MAY 22 2016

AREAS AFFECTED...SOUTHWEST KS TO TX SOUTH PLAINS

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

VALID 221839Z - 222045Z

PROBABILITY OF WATCH ISSUANCE...95 PERCENT

SUMMARY...AT LEAST ISOLATED STORMS SHOULD INITIATE ALONG AND JUST AHEAD OF THE DRYLINE BY 20-21Z. LARGE BUOYANCY AND SUFFICIENT DEEP-LAYER SHEAR SHOULD FAVOR A FEW SUPERCELLS WITH ALL HAZARDS POSSIBLE INCLUDING VERY LARGE HAIL.

DISCUSSION...18Z SURFACE ANALYSIS PLACES THE DRYLINE NEAR THE CO/KS BORDER SOUTH-SOUTHWEST INTO FAR EAST-CENTRAL NM AND THEN SOUTH INTO THE PERMIAN BASIN. CU HAS BEGUN TO FORM ALONG THE NM/WRN TX PANHANDLE PORTION OF THE DRYLINE...WHILE DOWNSTREAM TCU/SMALL CBS

HAVE DEVELOPED OVER THE CENTRAL TO SOUTHEAST TX PANHANDLE. AIR MASS IS QUITE MOIST FOR THIS LONGITUDE WITH 60S SURFACE DEW POINTS BEING MAINTAINED AHEAD OF THE DRYLINE. THIS IS YIELDING AN UNCAPPED...STRONGLY BUOYANT ENVIRONMENT WITH MLCAPE OF 2500-3500 J/KG. WHILE DEEP SHEAR IS MODEST CURRENTLY PER 18Z AMA RAOB...DEEP-LAYER WINDS WILL STRENGTHEN INTO THIS EVENING. PRIMARY INITIAL RISK SHOULD BE LARGE HAIL...WITH ALL HAZARDS BECOMING MORE PROBABLE DURING THE LATE AFTERNOON/EARLY EVENING.

..GRAMS/HART.. 05/22/2016

ATTN...WFO...DDC...LUB...AMA...ABQ...

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