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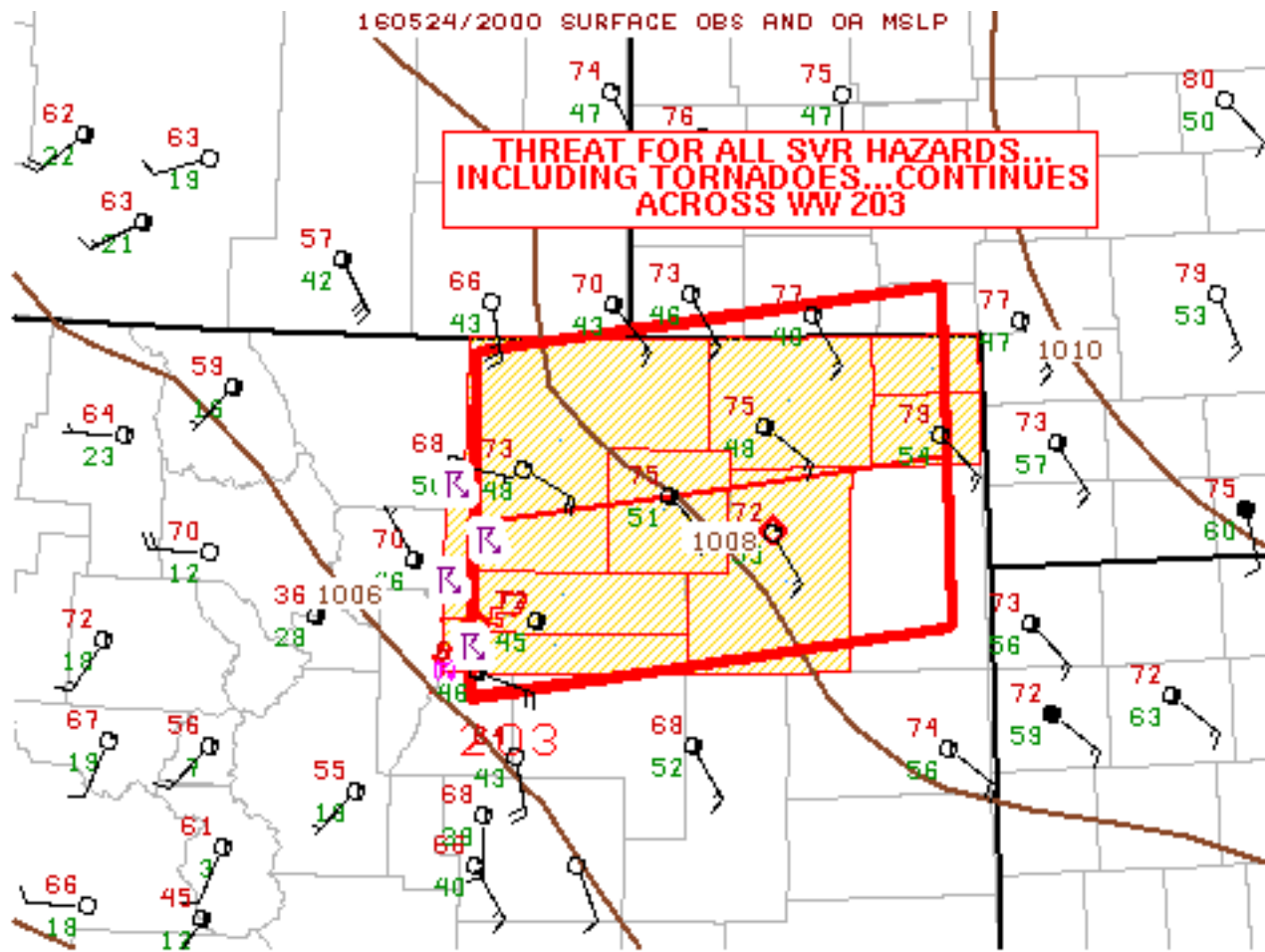
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Mesoscale Discussion 707

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SPC MCD #0707

MESOSCALE DISCUSSION 0707
 NWS STORM PREDICTION CENTER NORMAN OK
 0334 PM CDT TUE MAY 24 2016

AREAS AFFECTED...N-CNTRL/NE CO

CONCERNING...TORNADO WATCH 203...

VALID 242034Z - 242200Z

THE SEVERE WEATHER THREAT FOR TORNADO WATCH 203 CONTINUES.

SUMMARY...ONGOING TSTM ACTIVITY IS EXPECTED TO CONTINUE NEWD WITH THE THREAT FOR VERY LARGE HAIL...DAMAGING WIND GUSTS...AND A FEW TORNADES CONTINUING FOR AT LEAST THE NEXT SEVERAL HOURS.

DISCUSSION...KFTG RADAR IMAGERY SHOWS A PAIR OF SUPERCCELL TSTMS IN THE VICINITY OF THE DENVER METRO WITH MRMS MESH RECENTLY ESTIMATING HAIL SIZE APPROACHING 2 INCHES. SURFACE ENVIRONMENT IMMEDIATELY DOWNSTREAM OF THIS CURRENT ACTIVITY IS CHARACTERIZED BY TEMPERATURES IN THE MID 70S...DEWPOINTS IN THE UPPER 40S/LOW 50S...AND SELV WINDS

AROUND 15 KT. RECENT MESOANALYSIS ESTIMATES MLCAPE APPROACHING 1000 J PER KG. SLIGHTLY BETTER LOW-LEVEL MOISTURE EXISTS A BIT FARTHER DOWNSTREAM /ACROSS NE CO/ WITH MESOANALYSIS ESTIMATING MLCAPE CLOSER TO 1500 J PER KG.

IN ADDITION TO THIS FAVORABLE THERMODYNAMIC ENVIRONMENT...THE KINEMATIC ENVIRONMENT IS EXPECTED TO REMAIN SUPPORTIVE OF SUPERCELLS WITH SOME ADDITIONAL STRENGTHENING OF THE MID-LEVEL FLOW POSSIBLE. SELY UPSLOPE FLOW IS EXPECTED TO PERSIST FOR AT LEAST THE NEXT SEVERAL HOURS...CONTRIBUTING TO INCREASED SHEAR AND CONTINUED LOW-LEVEL MOISTURE ADVECTION.

GIVEN ALL OF THESE FACTORS...THE SVR THREAT IS EXPECTED TO PERSIST FOR AT LEAST THE NEXT SEVERAL HOURS. ALL SEVERE HAZARDS...INCLUDING A FEW TORNADOES...ARE POSSIBLE.

..MOSIER.. 05/24/2016

ATTN...WFO...LBF...GLD...BOU...CYS...

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NOAA / National Weather Service
National Centers for Environmental Prediction
Storm Prediction Center
120 David L. Boren Blvd.
Norman, OK 73072 U.S.A.
spc.feedback@noaa.gov
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