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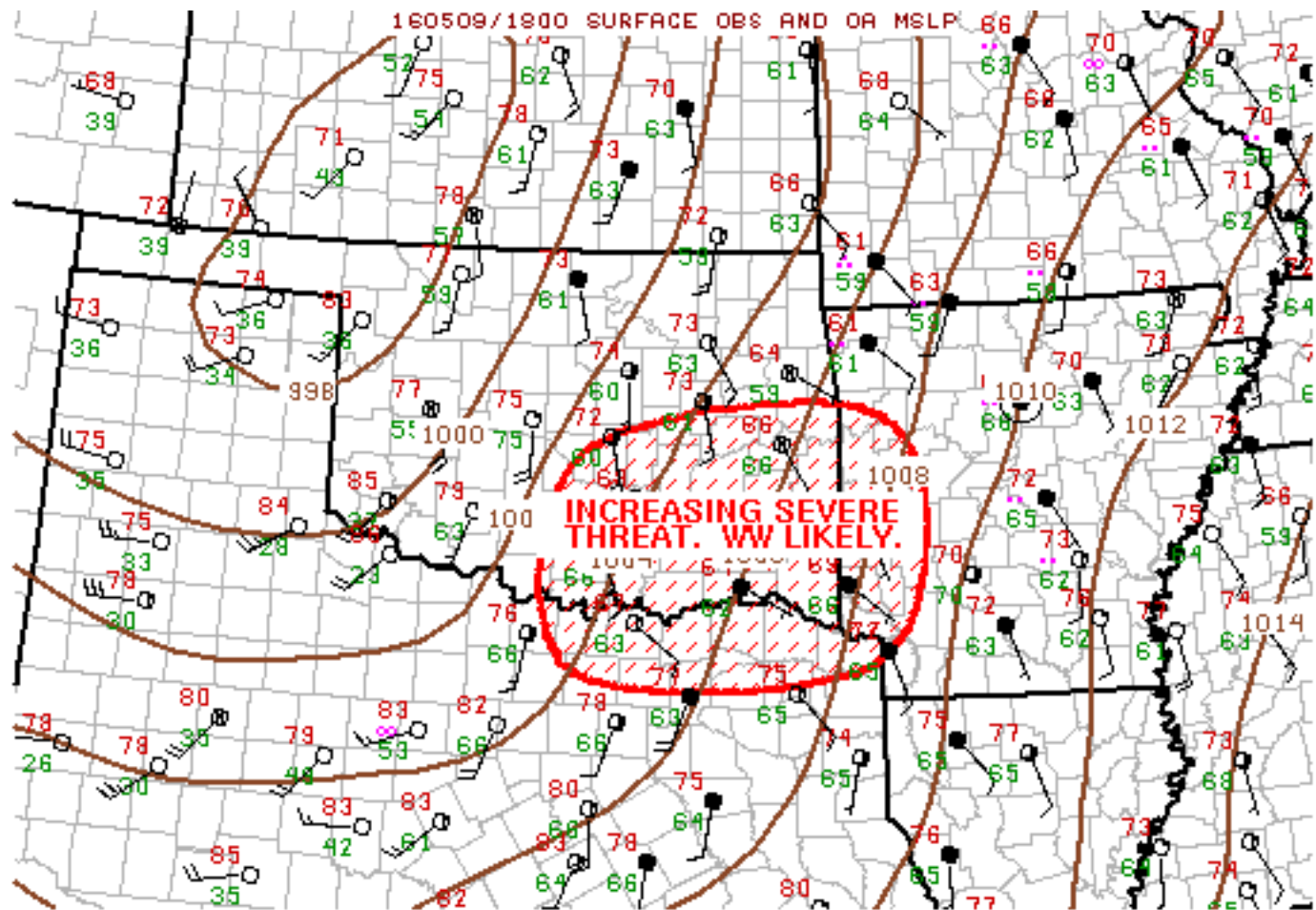
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## Mesoscale Discussion 567

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SPC MCD #0567

MESOSCALE DISCUSSION 0567

NWS STORM PREDICTION CENTER NORMAN OK

0139 PM CDT MON MAY 09 2016

AREAS AFFECTED...SOUTHERN/EASTERN OKLAHOMA...NORTH CENTRAL TX...WESTERN AR

CONCERNING...SEVERE POTENTIAL...WATCH LIKELY

VALID 091839Z - 091945Z

PROBABILITY OF WATCH ISSUANCE...80 PERCENT

SUMMARY...SEVERE THUNDERSTORMS ARE EXPECTED TO DEVELOP BY 21Z. LARGE HAIL IS LIKELY ALONG WITH A TORNADO THREAT.

DISCUSSION...STRONG MID-LEVEL SPEED MAX IS TRANSLATING QUICKLY ACROSS THE SRN HIGH PLAINS. WINDS HAVE RECENTLY GUSTED TO 70KT AT GDP SUPPORTING LATEST MODEL GUIDANCE IN DRY LINE SURGING EAST OF THE I-35 CORRIDOR BY LATE AFTERNOON. STRONG BOUNDARY-LAYER HEATING HAS STEEPENED LOW-LEVEL LAPSE RATES ALONG THE DRY LINE WITH VALUES NEAR

DRY ADIABATIC. CONVECTIVE TEMPERATURES APPEAR TO BE BREACHED AND  
TCU ARE NOW FORMING FROM CANADIAN COUNTY OK...SWD TO JACK COUNTY TX.

LATEST THINKING IS SUPERCELLS WILL DEVELOP BY 20-21Z TIME FRAME AND  
SPREAD QUICKLY ENEWD. EARLIER MCS HAS LEFT A RAIN-COOLED  
DEMARCATIION ACROSS SERN OK AND THIS BOUNDARY MAY SERVE AS A FOCUS  
FOR ENHANCED TORNADO RISK AS SUPERCELLS MATURE LATER THIS AFTERNOON.

..DARROW/HART.. 05/09/2016

ATTN...WFO...LZK...SHV...TSA...FWD...OUN...

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