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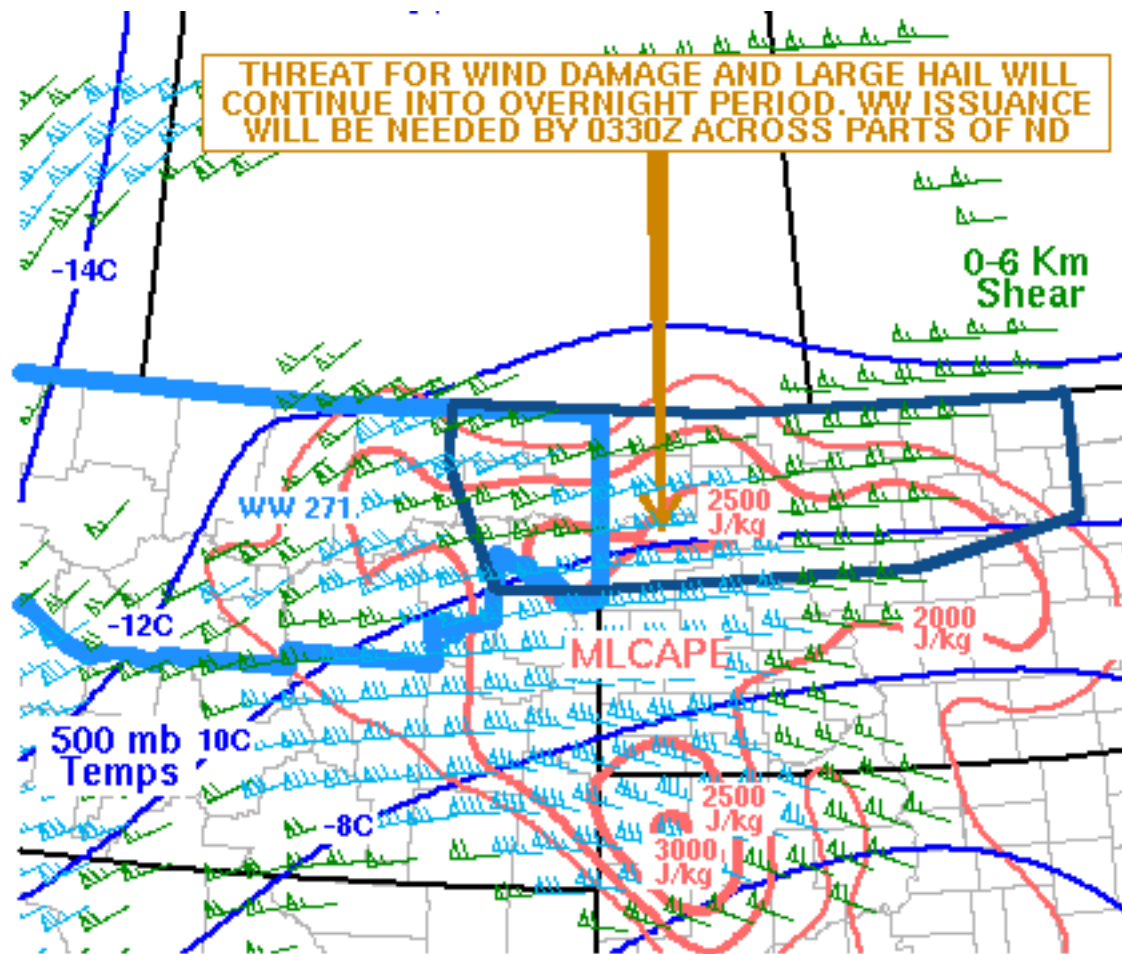
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## Mesoscale Discussion 982

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SPC MCD #0982

MESOSCALE DISCUSSION 0982  
 NWS STORM PREDICTION CENTER NORMAN OK  
 0958 PM CDT SAT JUN 18 2016

AREAS AFFECTED...NE MT...ND

CONCERNING...SEVERE THUNDERSTORM WATCH 271...

VALID 190258Z - 190400Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 271  
 CONTINUES.

SUMMARY...THE THREAT FOR WIND DAMAGE AND LARGE HAIL WILL CONTINUE  
 ACROSS NE MT INTO NW ND OVER THE NEXT COUPLE OF HOURS. WW ISSUANCE  
 WILL BE NECESSARY ACROSS PARTS OF NRN AND CNTRL ND BY 0330Z.

DISCUSSION...LATEST SFC ANALYSIS SHOWS A 1004 MB LOW OVER ERN MT  
 WITH BACKED FLOW TO THE EAST OF THE SFC LOW ACROSS MUCH OF THE NRN  
 PLAINS. A CORRIDOR OF LOW-LEVEL MOISTURE IS IN PLACE EXTENDING FROM  
 ERN ND WWD INTO NE MT WHERE MODERATE INSTABILITY IS ANALYZED WITH

MLCAPE IN THE 2000 TO 2500 J/KG RANGE. IN ADDITION...A MID-LEVEL SPEED MAX OF 50 TO 60 KT IS LOCATED OVER THE NRN PLAINS WHICH IS CONTRIBUTING TO STRONG DEEP-LAYER SHEAR PROFILES. THESE FACTORS COMBINED WITH A STRENGTHENING 30 TO 40 KT LOW-LEVEL JET WILL SUPPORT A FAST MOVING LINEAR MCS FORECAST TO CROSS NE MT INTO NRN ND LATE THIS EVENING INTO THE OVERNIGHT PERIOD. THE EWD MOTION NEAR 50 KT WILL MAKE DAMAGING WIND GUSTS LIKELY ALONG THE LEADING EDGE OF THE MCS. THE STRONGER UPDRAFTS EMBEDDED IN THE LINE SHOULD EXHIBIT ROTATION AND HAVE A ISOLATED LARGE HAIL THREAT. ALTHOUGH THE FAVORED STORM MODE WILL BE LINEAR OVERNIGHT...A BRIEF QLCS TORNADO CAN NOT BE RULED OUT AS WELL.

..BROYLES/THOMPSON.. 06/19/2016

ATTN...WFO...FGF...BIS...GGW...

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49030593 48970251 48989825 48999803

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