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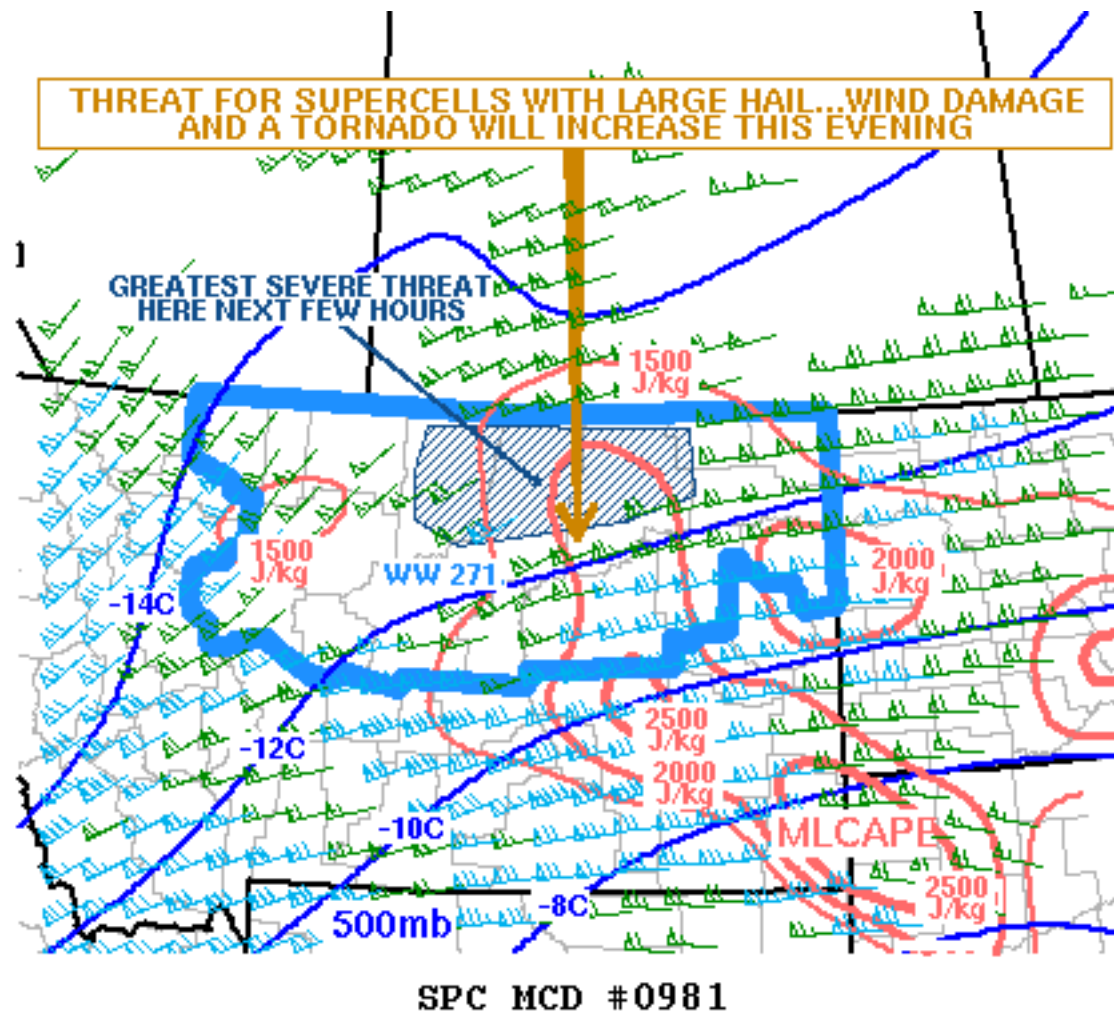
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## Mesoscale Discussion 981

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MESOSCALE DISCUSSION 0981

NWS STORM PREDICTION CENTER NORMAN OK

0656 PM CDT SAT JUN 18 2016

AREAS AFFECTED...MT

CONCERNING...SEVERE THUNDERSTORM WATCH 271...

VALID 182356Z - 190200Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 271 CONTINUES.

SUMMARY...A THREAT FOR LARGE HAIL...WIND DAMAGE AND A TORNADO WILL INCREASE OVER THE NEXT FEW HOURS ACROSS NRN MT.

DISCUSSION...LATEST SFC ANALYSIS SHOWS A 1007 MB LOW OVER SRN MT WITH AN AREA OF BACKED WINDS NORTH AND EAST OF THE LOW ACROSS MUCH OF NRN AND ERN MT. SCATTERED THUNDERSTORMS HAVE DEVELOPED OVER LAST COUPLE OF HOURS IN THE HIGHER TERRAIN OF WRN MT AND THIS ACTIVITY IS MOVING INTO AND ACROSS THE LOWER ELEVATIONS OF NRN MT. A SUPERCELL

IS LOCATED ALONG THE LEADING EDGE AND IS APPROACHING HAVRE MT EARLY THIS EVENING. AHEAD OF THIS STORM...MODERATE INSTABILITY IS ANALYZED BY THE RAP IN MOST OF NERN MT WHERE 0-6 KM SHEAR IS ESTIMATED IN THE 60 TO 70 KT RANGE AND 700-500 MB LAPSE RATES ARE APPROACHING 8.0 C/KM. THIS ENVIRONMENT WILL CONTINUE TO SUPPORT SUPERCELL DEVELOPMENT WITH LARGE HAIL. HAILSTONES OF GREATER THAN 2 INCHES IN DIAMETER WILL BE POSSIBLE WITH THE MORE DOMINANT SUPERCELLS. LOW-LEVEL SHEAR IS ALSO FORECAST TO INCREASE OVER THE NEXT COUPLE OF HOURS WHICH WILL MAKE A TORNADO POSSIBLE AS WELL. A SEVERE THREAT MAY ALSO DEVELOP ACROSS SRN PARTS OF THE WATCH AS NEW CONVECTION INITIATES AND STRENGTHENS OVER THE NEXT FEW HOURS.

..BROYLES/THOMPSON.. 06/18/2016

ATTN...WFO...BYZ...GGW...TFX...

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|           | 46781009 | 46691034 | 46751055 | 47021110 | 46981147 | 46931151 |
|           | 46911177 | 47111181 | 47161198 | 47261204 | 47561205 | 47561191 |
|           | 47611192 | 47611165 | 47731165 | 47731143 | 48201136 | 48221164 |
|           | 48321167 | 48471218 | 49021219 | 48990816 | 48990407 | 47370404 |
|           | 47370408 | 47350447 | 47520451 | 47530455 | 47580456 | 47600496 |
|           | 47700497 | 47680518 | 47800520 | 47790539 | 47180540 | 47180577 |
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