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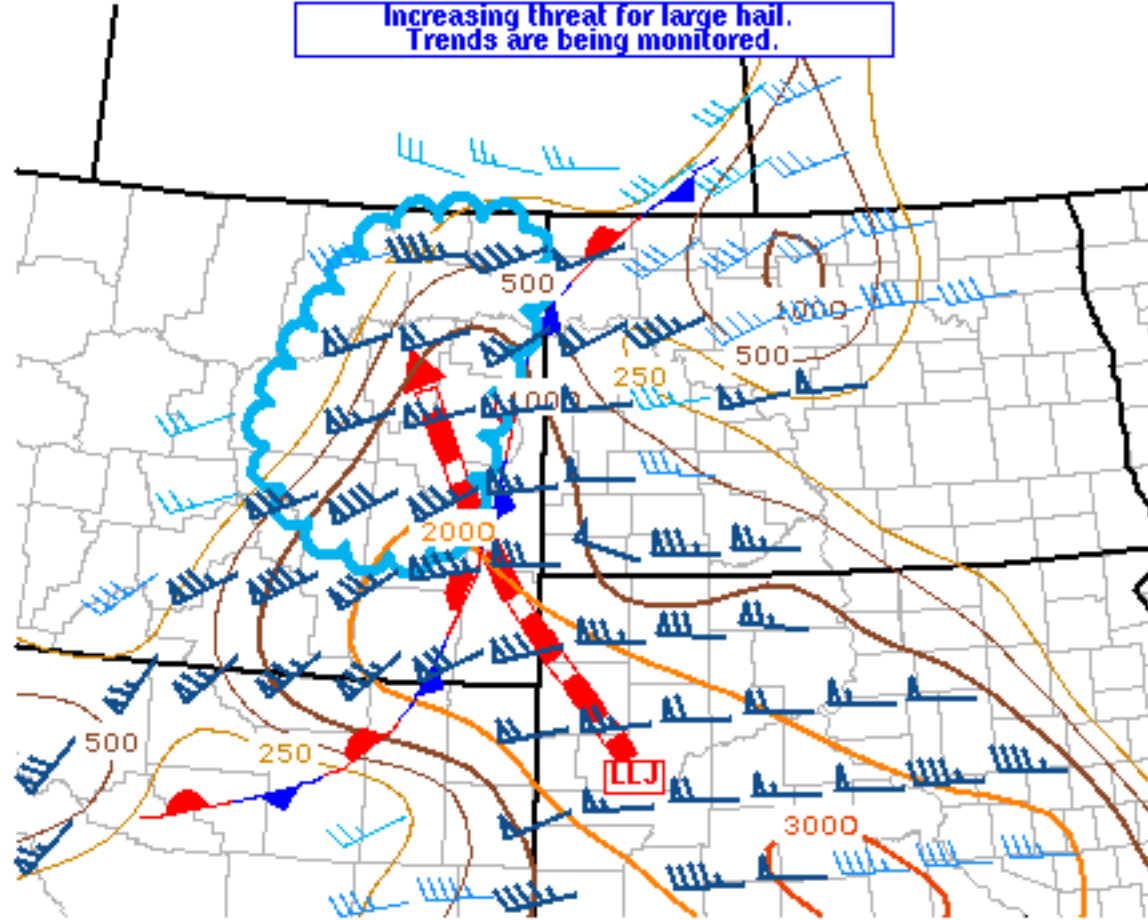
SPC Feedback

## Mesoscale Discussion 947

&lt; Previous MD

Next MD &gt;

160616/0300 MUCAPE j/kg, Effective Bulk Shear kt

Increasing threat for large hail.  
Trends are being monitored.

SPC MCD #0947

MESOSCALE DISCUSSION 0947

NWS STORM PREDICTION CENTER NORMAN OK

1104 PM CDT WED JUN 15 2016

AREAS AFFECTED...NERN MT

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 160404Z - 160600Z

PROBABILITY OF WATCH ISSUANCE...40 PERCENT

SUMMARY...STORMS DEVELOPING OVER NERN MT WILL POSE A THREAT FOR MAINLY A FEW INSTANCES OF LARGE HAIL INTO THE EARLY MORNING. TRENDS WILL CONTINUE TO BE MONITORED FOR A POSSIBLE WW.

DISCUSSION...THUNDERSTORMS ARE DEVELOPING OVER NERN MT IN RESPONSE TO DESTABILIZATION AND ISENTROPIC ASCENT RESULTING FROM A STRENGTHENING SSELY LLJ INTERACTING WITH A FRONTAL ZONE LOCATED FROM NRN WY THROUGH ERN MT INTO NWRN ND. LATEST OBJECTIVE ANALYSIS SHOWS MUCAPE HAS INCREASED TO BETWEEN 500-1500 J/KG OVER NERN MT AND

FURTHER DESTABILIZATION WILL LIKELY OCCUR. STORMS WILL REMAIN ELEVATED ABOVE A STABLE BOUNDARY LAYER...BUT STRONG EFFECTIVE SHEAR /60+ KT/ THROUGH THE CLOUD LAYER WILL SUPPORT POTENTIAL FOR SOME OF THE UPDRAFTS TO ROTATE. THIS IN CONJUNCTION WITH STEEP MID-LEVEL LAPSE RATES AND MODERATE INSTABILITY WILL PROMOTE A THREAT FOR LARGE HAIL NEXT FEW HOURS.

..DIAL/THOMPSON.. 06/16/2016

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

LAT...LON 48930543 48750416 47510466 46180521 46190664 47070748  
48650630 48930543

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