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Storm Reports

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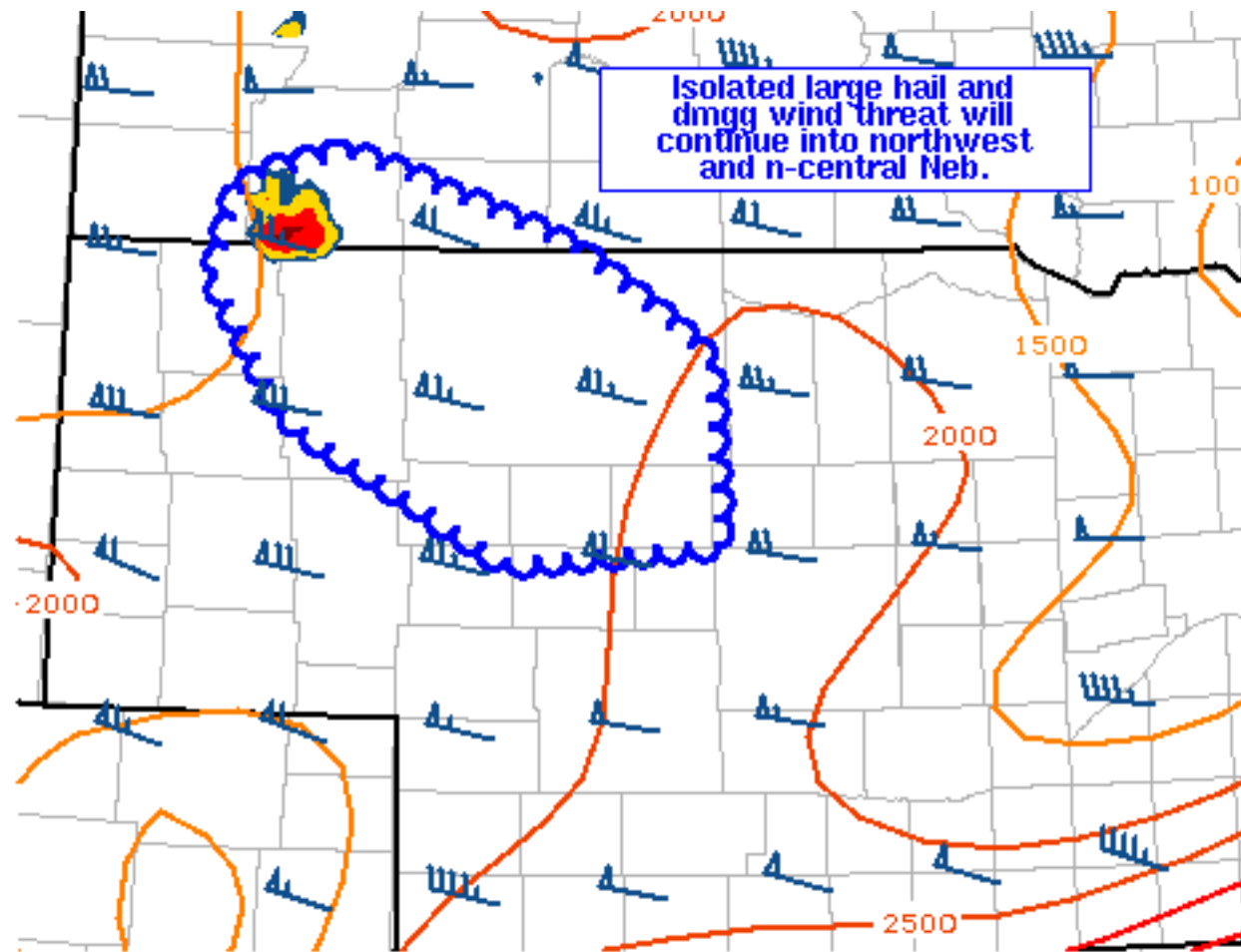
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## Mesoscale Discussion 1093

&lt; Previous MD

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SPC MCD #1093

MESOSCALE DISCUSSION 1093

NWS STORM PREDICTION CENTER NORMAN OK

0847 PM CDT SAT JUN 20 2015

AREAS AFFECTED...NWRN/N-CNTRL NEB...FAR SRN SD

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 210147Z - 210245Z

PROBABILITY OF WATCH ISSUANCE...40 PERCENT

SUMMARY...THREAT FOR ISOLATED LARGE HAIL AND LOCALLY STRONG TO SVR WIND GUSTS SHOULD CONTINUE IN THE SHORT-TERM INTO N-CNTRL NEB. A WW IS NOT IMMINENT...BUT CONVECTIVE TRENDS WILL CONTINUE TO BE MONITORED FOR SIGNS OF INCREASING TSTM COVERAGE.

DISCUSSION...A LONG-LIVED DISCRETE SUPERCELL ENTERING SHERIDAN COUNTY NEB CONTINUES TO EXHIBIT LARGE HAIL AND STRONG WIND GUST POTENTIAL AS IT MOVES SEWD. LBF 00Z SOUNDING SAMPLED A STEEP LAPSE RATE PROFILE AND 40-50 KT OF MIDLEVEL FLOW...BUT WEAK ELY FLOW IN



THE LOW-LEVELS. THE THERMODYNAMIC ENVIRONMENT IS MARGINAL...CHARACTERIZED BY AROUND 1000 J/KG OF MLCAPE. WITH THE IMMINENT LOSS OF DIURNAL HEAT...AND AN UNCLEAR FOCUS FOR TSTM PERSISTENCE...IT IS UNCERTAIN HOW LONG-LIVED THE ASSOCIATED SVR THREAT WILL PERSIST. HOWEVER...AN ISOLATED THREAT FOR LARGE HAIL AND STRONG WIND GUSTS MAY EXIST FOR AT LEAST THE NEXT HR...AND PERHAPS LONGER IF ADDITIONAL CONVECTIVE DEVELOPMENT CAN OCCUR...IN WHICH CASE A WW MAY BE CONSIDERED.

..ROGERS/HART.. 06/21/2015

ATTN...WFO...LBF...UNR...CYS...

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