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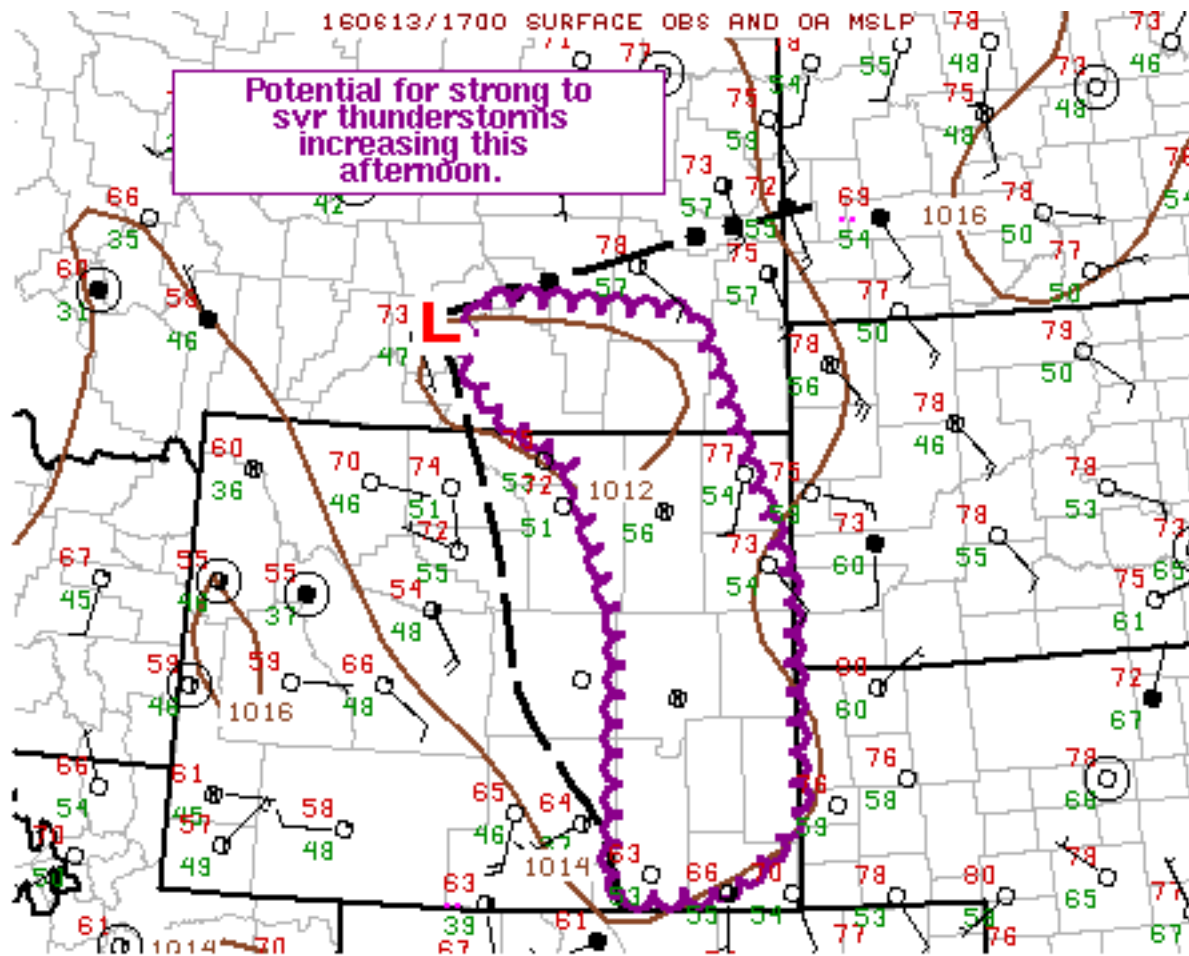
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Mesoscale Discussion 894

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SPC MCD #0894

MESOSCALE DISCUSSION 0894

NWS STORM PREDICTION CENTER NORMAN OK

0100 PM CDT MON JUN 13 2016

AREAS AFFECTED...PARTS OF ERN/NRN WY...SERN MT

CONCERNING...SEVERE POTENTIAL...WATCH LIKELY

VALID 131800Z - 131900Z

PROBABILITY OF WATCH ISSUANCE...80 PERCENT

SUMMARY...TSTM COVERAGE SHOULD INCREASE THROUGH THE EARLY AFTERNOON ACROSS THE HIGH PLAINS OF ERN/NRN WY AND SERN MT...WITH THREATS OF DMGG WIND GUSTS AND LARGE HAIL EVENTUALLY EXPECTED TO DEVELOP. A TORNADO IS ALSO POSSIBLE. CONVECTIVE TRENDS ARE BEING MONITORED FOR POSSIBLE WATCH ISSUANCE IN THE NEXT COUPLE HRS.

DISCUSSION...A BAND OF ASCENT PRECEDING AN ERN GREAT BASIN VORT MAX IS OVERSPREADING CNTRL WY...SUPPORTING THE DEVELOPMENT OF SCATTERED THUNDERSTORMS THIS MORNING. AN AXIS OF MID-UPPER 50S F DEWPOINTS IS

CENTERED FROM SWRN SD INTO ERN MT TO THE E OF A SFC TROUGH LOCATED ROUGHLY FROM KBIL SWD TO NEAR KLAR. ONGOING THUNDERSTORMS ARE LIKELY TO PERSIST THROUGH THE EARLY AFTERNOON AND ENCOUNTER A HEATING/DESTABILIZING AIR MASS ACROSS THE HIGH PLAINS OF NRN/ERN WY...WHERE MLCAPE VALUES ARE CURRENTLY ESTIMATED AT 1000-1500 J/KG PER RAP-BASED MESOANALYSIS DATA. A FEW SUPERCELLS AND/OR ORGANIZED CLUSTERS ARE EXPECTED TO EVOLVE BY MID-AFTERNOON...FEATURING THE POTENTIAL FOR LARGE HAIL AND STRONG TO DMGG WIND GUSTS GIVEN THE PRESENCE OF STEEP LOW-MIDLEVEL LAPSE RATES AND 30-40 KT OF EFFECTIVE SHEAR. ALTHOUGH LOW-LEVEL SHEAR IS RELATIVELY WEAKER...A TORNADO OR TWO MAY STILL BE POSSIBLE IN ASSOCIATION WITH ANY LONGER-LIVED SUPERCELL...PARTICULARLY INVOF MORE BACKED/SELY SFC WINDS ACROSS FAR SERN MT.

CONVECTIVE TRENDS ARE EXPECTED TO GRADUALLY INCREASE OVER THE NEXT COUPLE HRS...AND WILL BE MONITORED FOR POSSIBLE WATCH ISSUANCE ACROSS ERN WY AND FAR SERN MT OVER THE NEXT COUPLE HRS.

..ROGERS/GUYER.. 06/13/2016

ATTN...WFO...UNR...CYS...BYZ...RIW...

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