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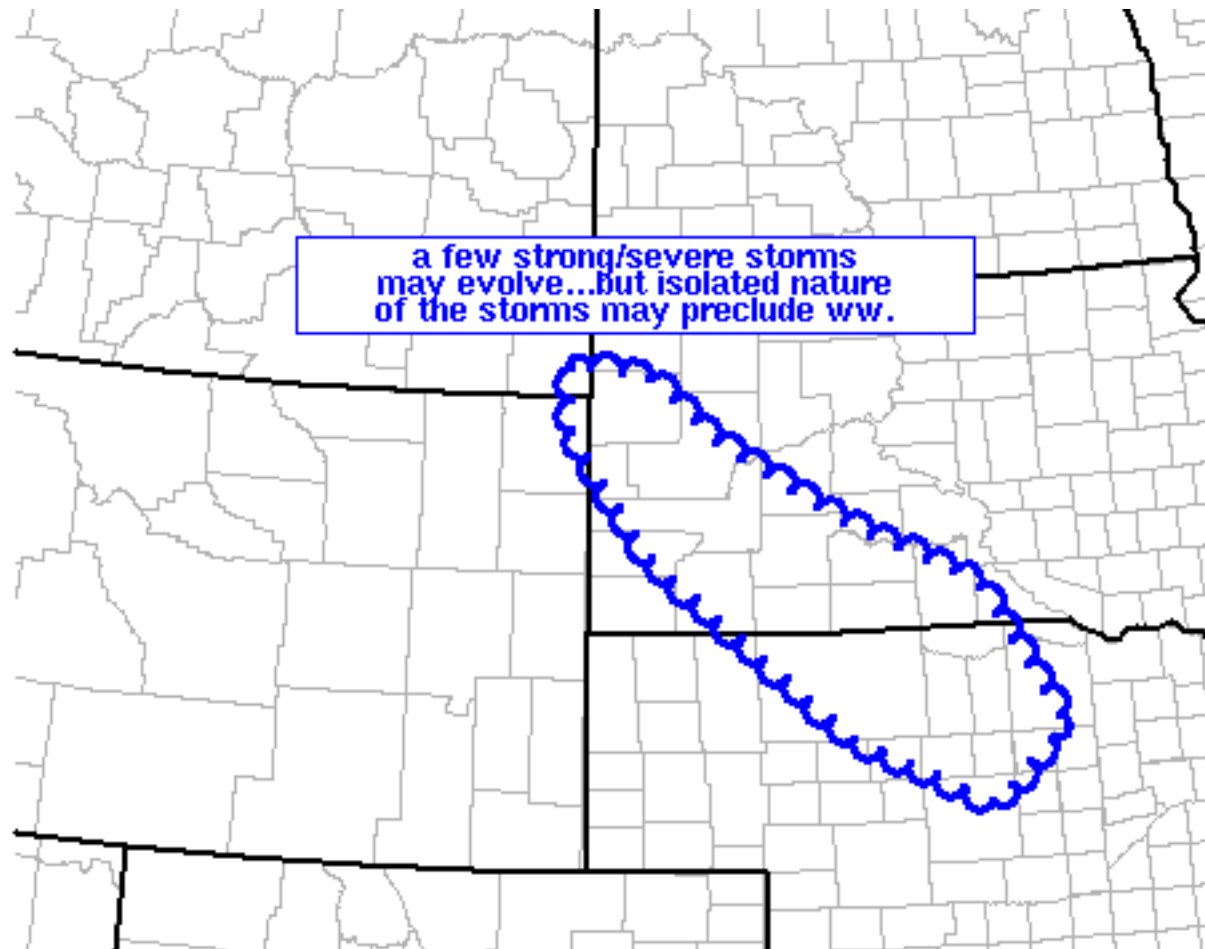
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Mesoscale Discussion 916

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SPC MCD #0916

MESOSCALE DISCUSSION 0916
NWS STORM PREDICTION CENTER NORMAN OK
0331 PM CDT TUE JUN 14 2016

AREAS AFFECTED...SWRN SD INTO NRN NEB

CONCERNING...SEVERE POTENTIAL...WATCH UNLIKELY

VALID 142031Z - 142230Z

PROBABILITY OF WATCH ISSUANCE...20 PERCENT

SUMMARY...ISOLATED SEVERE RISK MAY EVOLVE ACROSS SWRN SD/NRN NEB AND VICINITY AS STORMS SPREAD EWD. WW IS NOT EXPECTED ATTM DUE TO EXPECTATION THAT STORMS WILL REMAIN ISOLATED AND marginally SEVERE.

DISCUSSION...LATEST VISIBLE SATELLITE IMAGERY SHOWS CU INCREASING ACROSS THE BLACK HILLS VICINITY OF SWRN SD...WITH A FEW CB NOW OCCURRING INTO THE NRN NEB VICINITY. STRONG HEATING CONTINUING TO THE SW OF DENSE CLOUD COVER ASSOCIATED WITH ONGOING CONVECTION OVER ND/NRN SD ALONG WITH LOW 60S DEWPOINTS E OF THE BLACK HILLS IS

YIELDING MIXED-LAYER CAPE OF 1000-1500 J/KG PER OBJECTIVE ANALYSIS.

WHILE A CLEAR SURFACE FOCUS FOR ADDITIONAL DEVELOPMENT IS NOT EVIDENT IN SURFACE DATA...CONTINUED HEATING INVOLF THE BLACK HILLS AND POSSIBLE PRESENCE OF A SUBTLE VORT MAX CROSSING WRN SD/NWRN NEB ATTM PER WV IMAGERY APPEARS TO BE SUPPORTING THE ONGOING/ISOLATED STORM DEVELOPMENT. GIVEN MID-LEVEL WLYS ON THE ORDER OF 25 KT...SOME FURTHER UPDRAFT ORGANIZATION IS POSSIBLE...ALONG WITH ASSOCIATED/LOW-END SEVERE RISK. ATTM HOWEVER...WW IS NOT ANTICIPATED DUE TO WHAT APPEARS LIKELY TO REMAIN ONLY ISOLATED CONVECTIVE COVERAGE.

..GOSS/GUYER.. 06/14/2016

ATTN...WFO...FSD...ABR...GID...LBF...UNR...BYZ...

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