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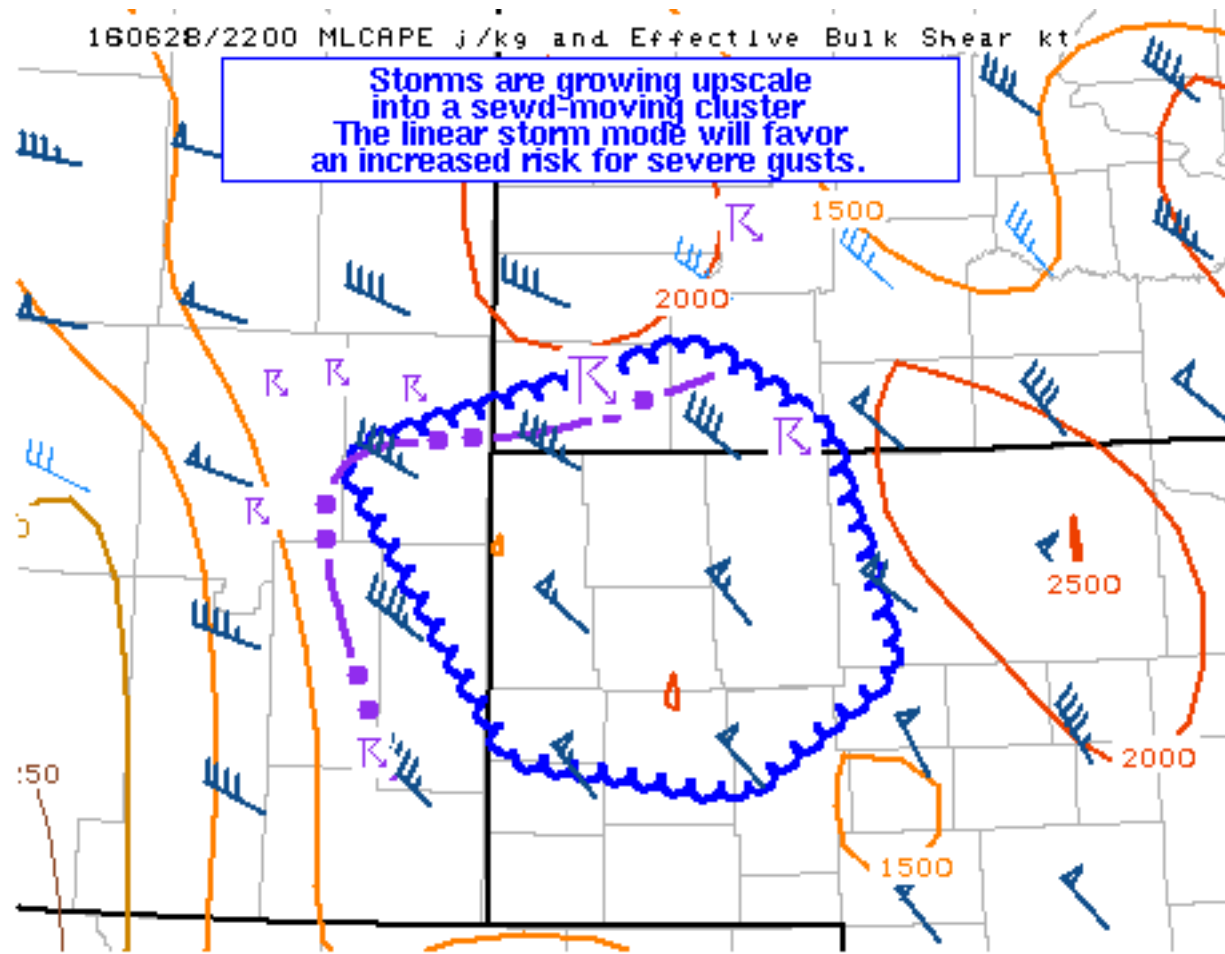
SPC Feedback

Mesoscale Discussion 1075

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160628/2200 MLCAPE j/kg and Effective Bulk Shear kt



SPC MCD #1075

MESOSCALE DISCUSSION 1075

NWS STORM PREDICTION CENTER NORMAN OK

0526 PM CDT TUE JUN 28 2016

AREAS AFFECTED...E-CNTRL WY / SWRN SD / NEB PANHANDLE

CONCERNING...SEVERE THUNDERSTORM WATCH 304...

VALID 282226Z - 290000Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 304 CONTINUES.

SUMMARY...STORMS ARE GROWING UPSCALE IN E-CNTRL WY AND SWRN SD AND WILL LIKELY EVOLVE INTO A SEVD-MOVING CLUSTER INTO THE NRN PORTIONS OF THE NEB PANHANDLE. THE LINEAR STORM MODE WILL FAVOR AN INCREASED RISK FOR 50-70 MPH GUSTS.

DISCUSSION...RADAR MOSAIC SHOWS INTENSIFYING STORMS ACROSS E-CNTRL WY AND SWRN SD...AND STORM COVERAGE HAS MARKEDLY INCREASED DURING THE PAST HOUR AS STORMS MOVE INTO RICHER MOISTURE LOCATED NEAR THE



NEB/SD/WY BORDER. SURFACE OBSERVATIONS OVER THE NEB PANHANDLE SHOW TEMPS IN THE LOWER 90S AND DEWPOINTS IN THE 50S. OBJECTIVE ANALYSIS INDICATES MODERATE BUOYANCY /1500-2000 J PER KG MLCAPE/ IS PRESENT DOWNSTREAM OF THE STORMS. STRONG EFFECTIVE SHEAR /50 KT/ WILL ACT TO ORGANIZE STORMS INCLUDING AN INITIAL SUPERCCELL MODE...BEFORE COLD POOL COALESCENCE/GUST FRONT MERGERS FORCE UPSCALE GROWTH INTO SEVERE MULTICELLS CAPABLE OF PRIMARILY A RISK FOR ISOLATED TO WIDELY SCATTERED 50-70 MPH GUSTS.

..SMITH.. 06/28/2016

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

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