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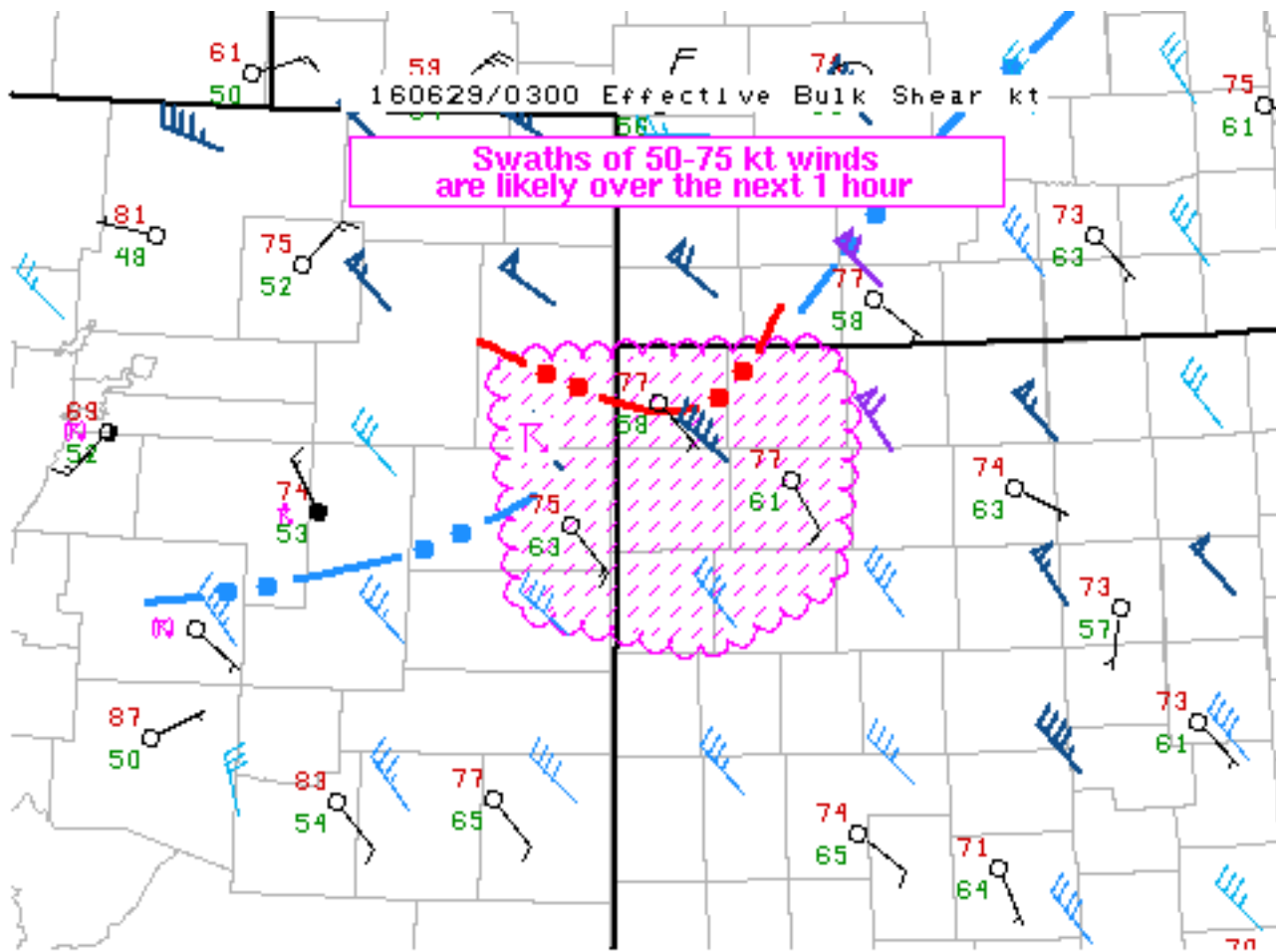
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Mesoscale Discussion 1085

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SPC MCD #1085

MESOSCALE DISCUSSION 1085
 NWS STORM PREDICTION CENTER NORMAN OK
 1104 PM CDT TUE JUN 28 2016

AREAS AFFECTED...E-CNTRL CO / NWRN KS

CONCERNING...SEVERE THUNDERSTORM WATCH 307...

VALID 290404Z - 290500Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 307 CONTINUES.

SUMMARY...WIDESPREAD SWATHS OF 50-75 KT WINDS ARE LIKELY OVER THE NEXT 1 HOUR --RESULTING IN A CONTINUATION OF A DERECHO.

DISCUSSION...A VERY INTENSE SQUALL LINE EVIDENT VIA RADAR AND AUTOMATED OBSERVING-SITE MEASURED GUSTS IS MOVING SWD AND PARALLELING THE CO/KS BORDER. KIML MEASURED A 56-KT GUST AT 0307Z AND A 59-KT GUST WAS MEASURED AT KSYF AT 0355Z...AND INBOUND VELOCITIES FROM KGLD AT 1000-2000 FT ARL SHOW WINDS IN THE 50-70 KT

RANGE. TEMPS HAVE BEEN SLOW TO COOL INTO THE UPPER 70S GIVEN THE MOIST LOW LEVELS /DEWPOINTS 60-65 DEG F/. SELY SURFACE WINDS INCREASING TO 30 KT AT 0.5 KM ARE SURMOUNTED BY NNWLY 50-KT FLOW AT 5 KM PER 0342Z KGLD VAD DATA...RESULTING IN VERY STRONG SHEAR.

A SUPERCELL AHEAD OF THE LINE WILL BE OVERTAKEN BY THE SQUALL LINE IN THE NEXT 30 MINUTES AND INTENSE WINDS /60-75 KT/ ARE PROBABLE NEAR THE KIT CARSON COUNTY VICINITY. ELSEWHERE...SEVERE WINDS WILL BE ASSOCIATED WITH THE SQUALL LINE WITH GUSTS POTENTIALLY RANGING FROM 50-70 KT.

..SMITH.. 06/29/2016

ATTN...WFO...GLD...

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