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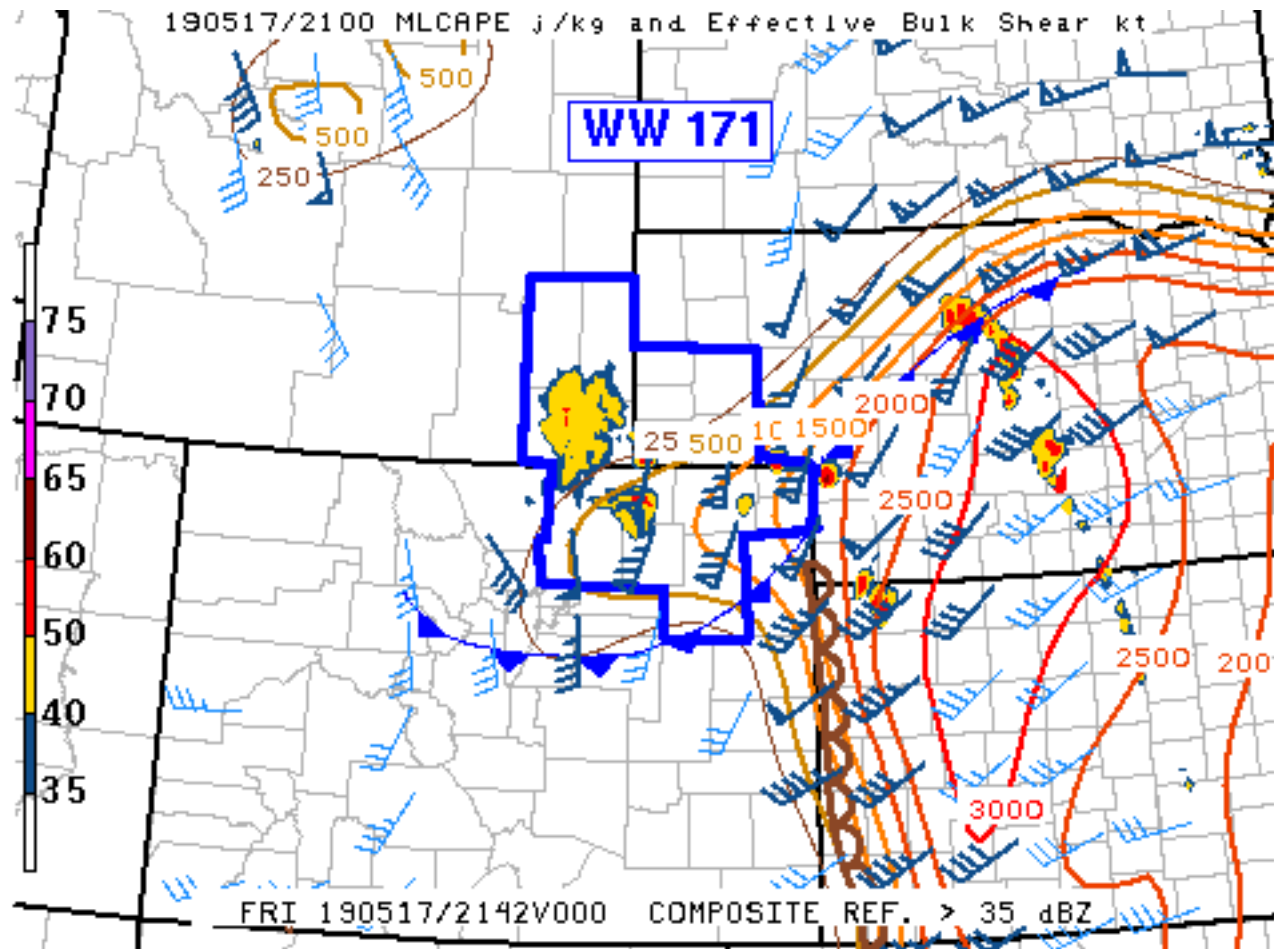
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SPC Feedback

Mesoscale Discussion 652

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SPC MCD #0652

Mesoscale Discussion 0652

NWS Storm Prediction Center Norman OK

0507 PM CDT Fri May 17 2019

Areas affected...Northeast Colorado...southwest Nebraska
Panhandle...southeast Wyoming

Concerning...Severe Thunderstorm Watch [171](#)...

Valid 172207Z - 180000Z

The severe weather threat for Severe Thunderstorm Watch 171
continues.

SUMMARY...Storms will continue to pose a threat for large hail this evening. Most storms, particularly in CO/WY, will begin to lose their intensity as the boundary layer cools this evening. Those that move into western Nebraska may be sustained as the low-level jet will help to maintain instability.

DISCUSSION...Supercell thunderstorms with a history of large hail --



one 2 inch report noted in Sedgwick County, CO, recently -- have been ongoing near and behind a surface cold front in northeastern Colorado. Steep mid-level lapse rates of at least 8 C/km and mid 40s to low 50s dewpoints have contributed to 500-1000 J/kg of MLCAPE. In general, storms that migrate farther to the north will encounter decreasing amounts of both effective shear and instability. Storms that remain near the boundary or move more to the northeast into western Nebraska, will continue to pose a threat for large hail.

..Wendt.. 05/17/2019

...Please see www.spc.noaa.gov for graphic product...

ATTN...WFO...LBF...GLD...BOU...CYS...

LAT...LON	42570524	42610406	42010406	41990265	41080263	41010204
	40450205	40430281	39550277	39550365	39980366	40010501
	40350506	40360496	41010493	41030528	42570524	

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