


[Site Map](#)
[News Organization](#)
Search for:
☒ SPC

☐ NCEP

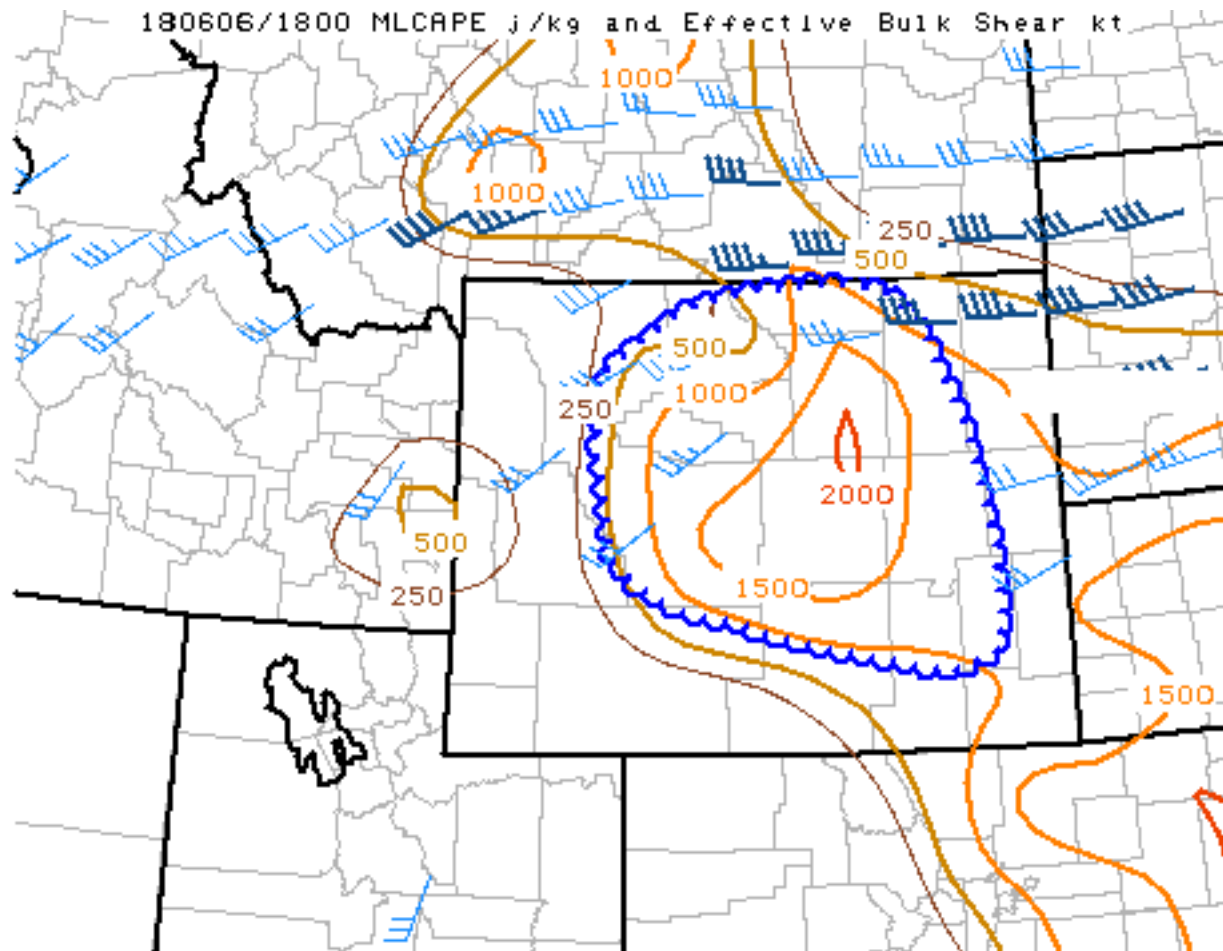
☐ All NOAA

 Local forecast by
 "City, St" or "ZIP"

[SPC on Facebook](#)

[@NWSSPC](#)
[NCEP Quarterly
Newsletter](#)
[Home \(Classic\)](#)
[SPC Products](#)
[All SPC Forecasts](#)
[Current Watches](#)
[Meso. Discussions](#)
[Conv. Outlooks](#)
[Tstm. Outlooks](#)
[Fire Wx Outlooks](#)
[RSS Feeds](#)
[E-Mail Alerts](#)
[Weather Information](#)
[Storm Reports](#)
[Storm Reports Dev.](#)
[NWS Hazards Map](#)
[National RADAR](#)
[Product Archive](#)
[NOAA Weather Radio](#)
[Research](#)
[Non-op. Products](#)
[Forecast Tools](#)
[Svr. Tstm. Events](#)
[SPC Publications](#)
[SPC-NSSL HWT](#)
[Education & Outreach](#)
[About the SPC](#)
[SPC FAQ](#)
[About Tornadoes](#)
[About Derechos](#)
[Video Lecture Series](#)
[WCM Page](#)
[Enh. Fujita Page](#)
[Our History](#)
[Public Tours](#)
[Misc.](#)
[Staff](#)
[Contact Us](#)
[SPC Feedback](#)

Mesoscale Discussion 653

[< Previous MD](#)
[Next MD >](#)

SPC MCD #0653

Mesoscale Discussion 0653

NWS Storm Prediction Center Norman OK

0235 PM CDT Wed Jun 06 2018

Areas affected...MUCH OF WYOMING

Concerning...Severe potential...Watch possible

Valid 061935Z - 062130Z

Probability of Watch Issuance...40 percent

SUMMARY...Severe wind gusts and large hail may accompany storms this afternoon/evening across most of Wyoming (except southwest/western Wyoming).

DISCUSSION...Surface temperatures have warmed into the upper 70s and low 80s increasing buoyancy across most of Wyoming. Current satellite imagery shows building cumulus clouds are still mostly tied to terrain features. However, continued steepening low-level lapse rates and falling heights aloft associated with an approaching

shortwave trough should help increase ascent/buoyancy and develop storms by 20z. Storms should eventually move off the terrain and form a loosely organized cluster as they move northeast. Forecast MLCAPE of 1500-3000 J/kg and DCAPE of 800-1500 J/kg with 30-40 kt bulk shear are supportive of a few storms with the potential to produce severe wind/hail.

..Nauslar/Darrow/Weiss.. 06/06/2018

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

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

LAT...LON	44970671	44960626	44840584	44430546	43650508	42730483
	42130481	41820484	41730512	41660539	41730583	41910694
	42090774	42240849	42390885	42600919	42920928	43570940
	44250934	44500888	44780837	44930754	44970671	

[Top/All Mesoscale Discussions/Forecast Products/Home](#)

Weather Topics:

[Watches](#), [Mesoscale Discussions](#), [Outlooks](#), [Fire Weather](#), [All Products](#), [Contact Us](#)

NOAA / National Weather Service
National Centers for Environmental Prediction
Storm Prediction Center
120 David L. Boren Blvd.
Norman, OK 73072 U.S.A.
spc.feedback@noaa.gov
Page last modified: June 06, 2018

[Disclaimer](#)
[Information Quality](#)
[Help](#)
[Glossary](#)

[Privacy Policy](#)
[Freedom of Information Act \(FOIA\)](#)
[About Us](#)
[Career Opportunities](#)