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

City, St | Go

Find us on Facebook

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

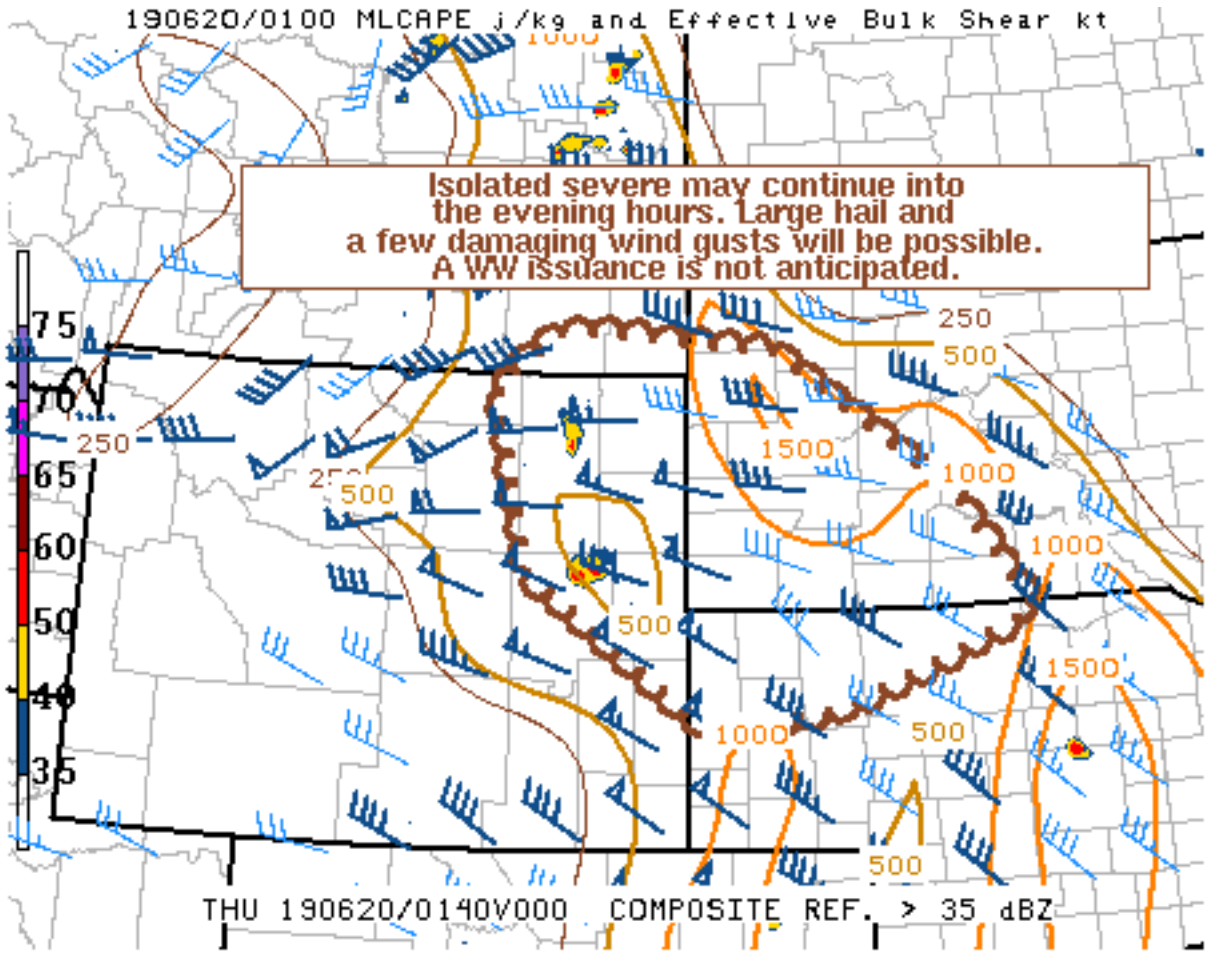
Education & Outreach
- About the SPC
- SPC FAQ
- About Tornadoes
- About Derechos
- Video Lecture Series
- WCM Page
- Enh. Fujita Page
- Our History
- Public Tours

Misc.
- Staff

Contact Us
- SPC Feedback

Mesoscale Discussion 1148

< Previous MD Next MD >



SPC MCD #1148

Mesoscale Discussion 1148
NWS Storm Prediction Center Norman OK
0902 PM CDT Wed Jun 19 2019

Areas affected...extreme southeast Montana...northeast Wyoming...western South Dakota...far northwest Nebraska

Concerning...Severe potential...Watch unlikely

Valid 200202Z - 200400Z

Probability of Watch Issuance...20 percent

SUMMARY...Isolated severe hail/wind gusts remain possible with the stronger storms into the evening. A WW issuance is not currently anticipated given the sparse, marginal nature of the severe threat.

DISCUSSION...Multicellular clusters and transient supercells persist across the northern High Plains, where isolated instances of large hail and damaging wind gusts have been reported over the past few hours. With steep low and mid-level lapse rates in place, large hail

(though isolated) will continue to remain a concern. Damaging wind gusts will also be possible given the relatively dry surface-700 mb air mass in place, which may promote efficient hydrometeor evaporation and associated cooling with the stronger downdrafts.

As nocturnal cooling continues, boundary-layer stabilization will slowly increase, reducing the overall buoyancy and associated updraft intensity with time. Nonetheless, steep lapse rates atop a stable boundary layer may still foster marginally severe hail growth with storms that persist and become elevated, though the severe coverage would be very sparse by this point. Given the isolated extent of the severe threat, a WW issuance is not expected.

..Squitieri/Edwards.. 06/20/2019

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

ATTN...WFO...ABR...LBF...UNR...CYS...BYZ...RIW...

LAT...LON 42030379 43330589 44910627 45380552 45220301 43960092
42920005 42170227 42030379

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 20, 2019

Disclaimer
Information Quality
Help
Glossary

Privacy Policy
Freedom of Information Act (FOIA)
About Us
Career Opportunities