

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

Find us on Facebook
 SPC on Facebook

@NWSSPC

NCEP Quarterly Newsletter

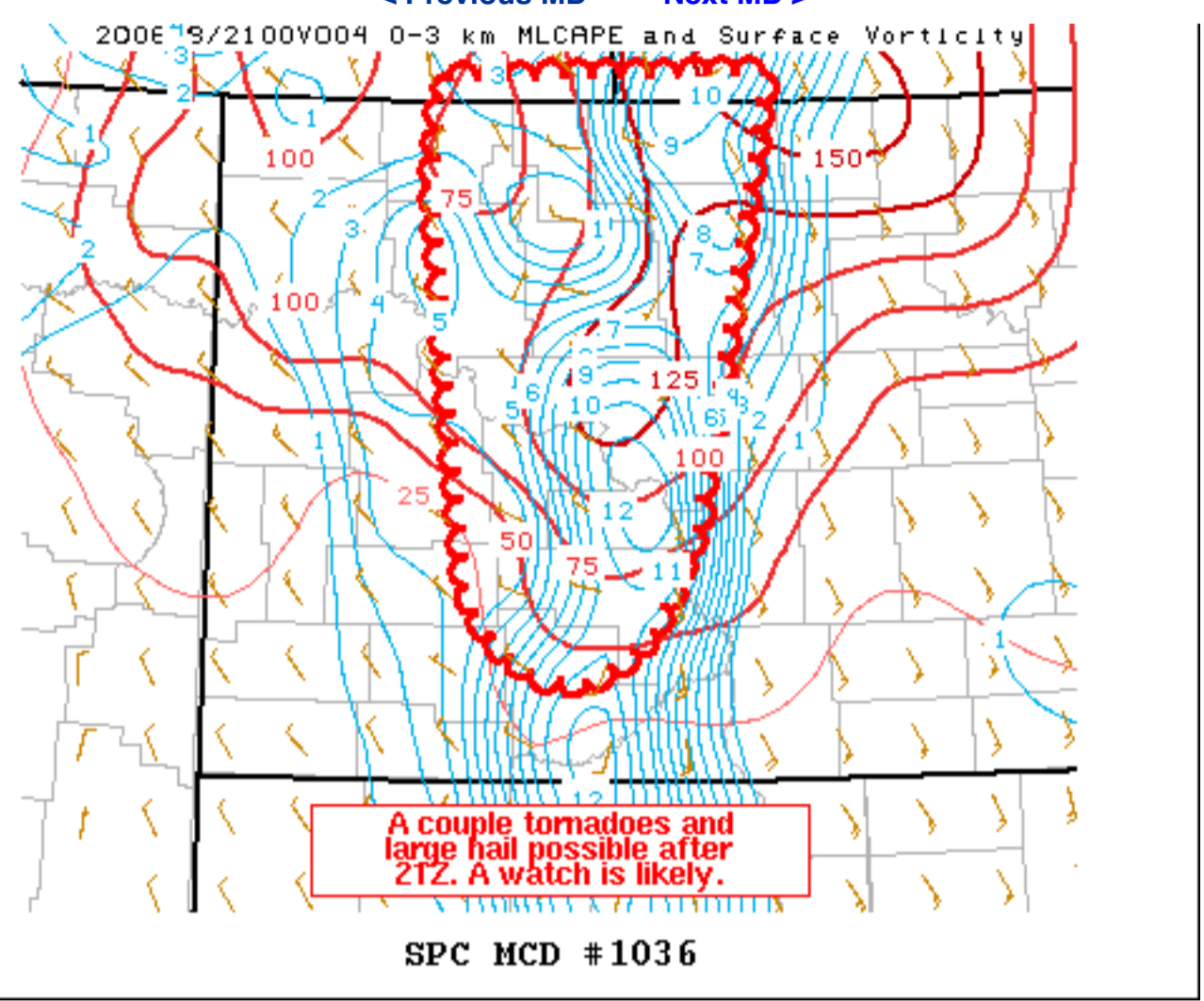
- Home (Classic)
- SPC Products
- All SPC Forecasts
- Current Watches
- Meso. Discussions
- Conv. Outlooks
- Tstm. Outlooks
- Fire Wx Outlooks
- RSS Feeds
- E-Mail Alerts
- Weather Information
- Storm Reports
- Storm Reports Dev.
- NWS Hazards Map
- National RADAR
- Product Archive
- NOAA Weather Radio

- 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 1036

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



Mesoscale Discussion 1036
 NWS Storm Prediction Center Norman OK
 0154 PM CDT Sun Jun 28 2020

Areas affected...parts of central North Dakota

Concerning...Severe potential...Watch likely

Valid 281854Z - 282100Z

Probability of Watch Issuance...80 percent

SUMMARY...Storms will form within the surface trough/front between 21 and 23Z, with large hail and maybe a couple tornadoes.

DISCUSSION...Strong instability continues to develop over the Dakotas with over 3000 J/kg MLCAPE. A north-south oriented surface trough/front extends across west-central ND, with increasing vertical vorticity and convergence.

Visible imagery confirms ample moisture is in place with substantial CU fields developing. As the cap is completely eroded over the next few hours, subtle lift will cause storms to form from north to south within the surface trough/front. Lapse rates are steep, and will favor rapid development. While SRH is not particularly high, substantial low-level stretching and slow storm motions within the enhanced vertical vorticity zone may allow a broken line of storms to produce tornadoes prior to merging. In addition, large hail is possible with the initial strong cores.

..Jewell/Thompson.. 06/28/2020

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

ATTN...WFO...BIS...

LAT...LON 49130026 47080078 46560108 46380152 46420193 46730229
 47650243 48620256 49110251 49130026

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

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

National Weather Service • Since 1870

National Weather Service