

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

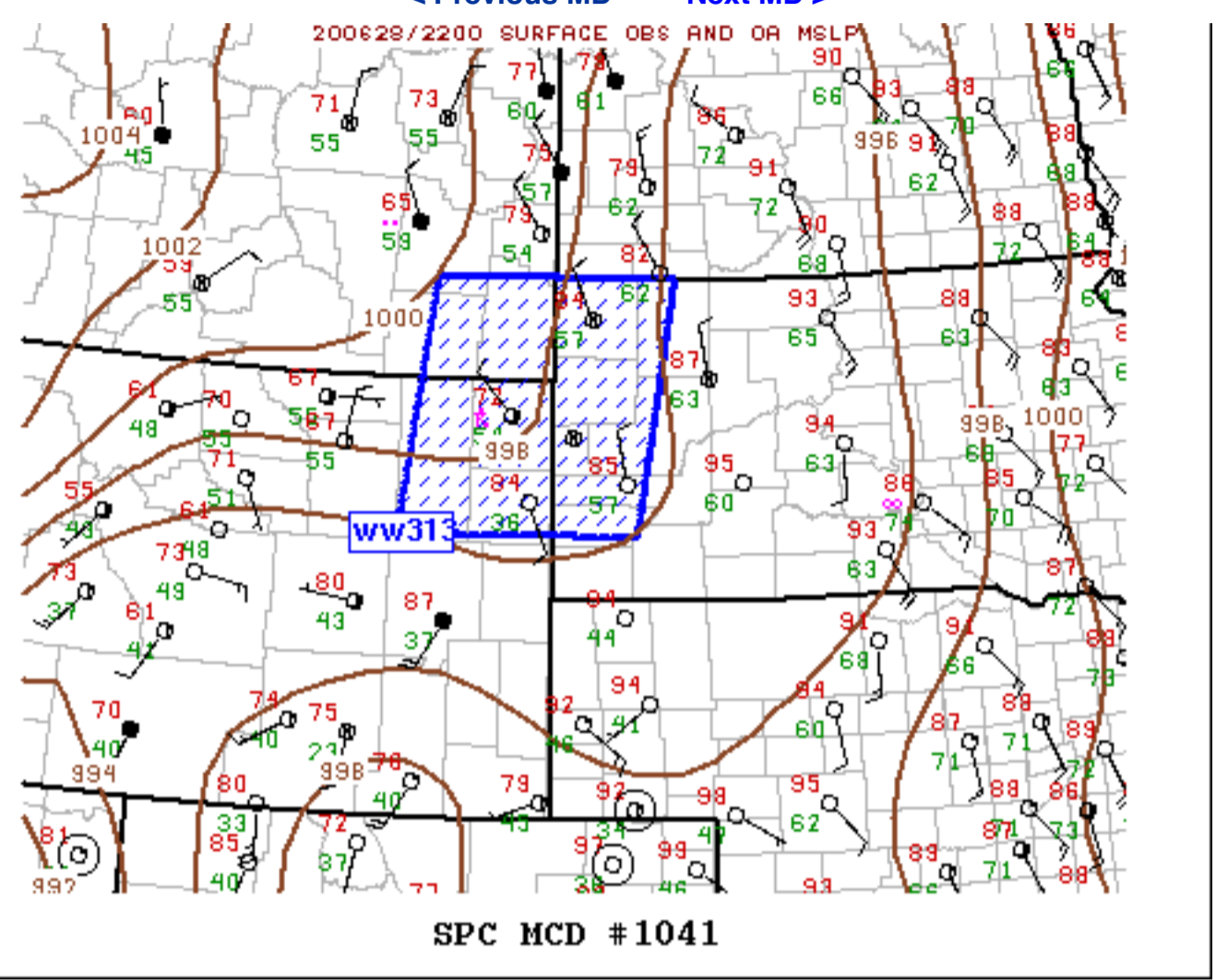
- Education & Outreach
 - About the SPC
 - SPC FAQ
 - About Tornadoes
 - About Derechos
 - Video Lecture Series
 - WCM Page
 - Enh. Fujita Page
 - Our History
 - Public Tours

- Misc.
 - Staff
 - Contact Us
 - SPC Feedback



Mesoscale Discussion 1041

< Previous MD Next MD >



Mesoscale Discussion 1041
 NWS Storm Prediction Center Norman OK
 0618 PM CDT Sun Jun 28 2020

Areas affected...Northeast WY...Southeast MT...Western SD

Concerning...Severe Thunderstorm Watch 313...

Valid 282318Z - 290115Z

The severe weather threat for Severe Thunderstorm Watch 313 continues.

SUMMARY...Scattered severe will continue across the northern High Plains this evening.

DISCUSSION...Strong boundary-layer heating appears to be the primary instigator in strong convective development across WY into the Black Hills region late this afternoon. Several robust updrafts, with severe hail, are moving into western SD at roughly 30-35kt. This activity will encounter increasingly moist/buoyant air mass over the next hour or so, and strengthening is possible if convection is able to ingest boundary-layer air mass characterized by upper 50s surface dew points.

Upstream, high-based convection is gradually deepening across central WY, well west of higher instability. Steep lapse rates should allow this quick-moving activity to spread back into southern portions of the watch later this evening. Strengthening is most likely to occur farther downstream near the Black Hills.

..Darrow.. 06/28/2020

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

ATTN...WFO...UNR...BYZ...

LAT...LON 43570596 45900559 45920245 43580296 43570596

[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