

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 &amp; Outreach

About the SPC

SPC FAQ

About Tornadoes

About Derechos

Video Lecture Series

WCM Page

Enh. Fujita Page

Our History

Public Tours

Misc.

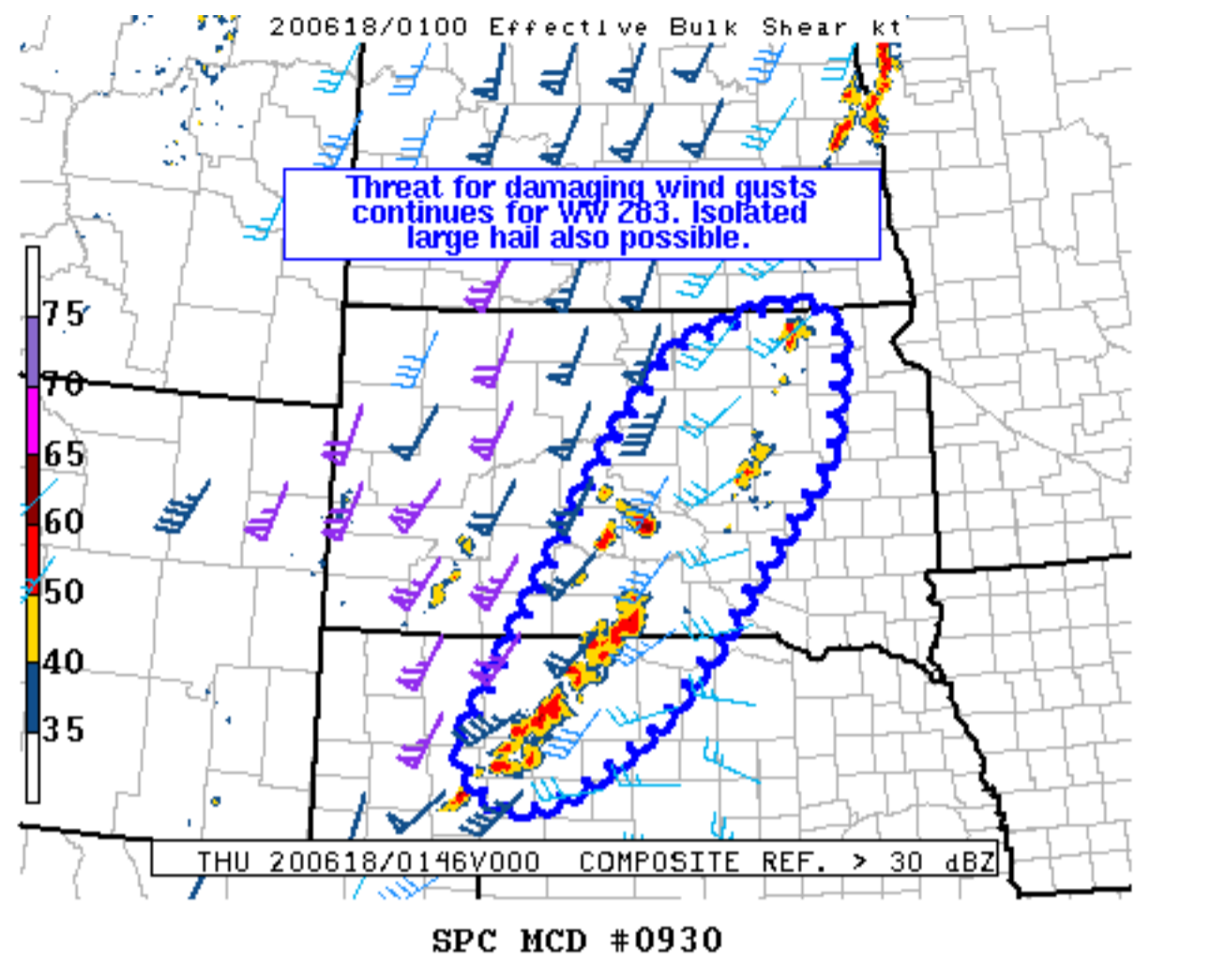
Staff

Contact Us

SPC Feedback



## Mesoscale Discussion 930

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


Mesoscale Discussion 0930

NWS Storm Prediction Center Norman OK

0923 PM CDT Wed Jun 17 2020

Areas affected...North-central Nebraska...Portions of central and eastern South Dakota

Concerning...Severe Thunderstorm Watch 283...

Valid 180223Z - 180430Z

The severe weather threat for Severe Thunderstorm Watch 283 continues.

SUMMARY...The threat for locally damaging wind gusts will continue for a few more hours. Most severe activity should cease by midnight CDT. Isolated large hail may occur with the stronger, more discrete storms.

DISCUSSION...Storms that formed on the pre-frontal confluence have diminished in intensity as the boundary layer has begun to cool. Weaker deep-layer shear in northeastern South Dakota has inhibited storm organization as compared to south-central South Dakota into north-central Nebraska. Thunderstorms within southern portions of WW 283 have generally grown upscale into small linear segments and multicell clusters. These storms have also had a tendency to move just to the cool side of the composite outflow/cold front. The more discrete activity in from Cherry County, NE northward to near the Missouri River have only produced 1-1.5 inch hail reports this evening. Warm temperatures aloft and a increasingly unfavorable storm mode should continue to limit the threat for large hail. Locally damaging wind gusts, particularly with any more organized clusters/cold pools, will be the main threat going forward. The expectation is for this southern activity to continue to move slowly east/northeastward as a 50 kt low-level jet (sampled by KLNK VAD) continues to provide lift along the boundary. However, with continued boundary-layer stabilization to the east, the severe potential should decrease by midnight CDT.

..Wendt.. 06/18/2020

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

ATTN...WFO...FGF...FSD...ABR...BIS...LBF...UNR...

LAT...LON 42070225 44250081 44950031 45589964 45949840 45949791  
45709756 44589779 42989925 42219995 41640093 41480150  
41530186 41720216 42070225

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

Weather Topics:

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