



Site Map

News

Organization

Search for:

 SPC
 NCEP
 All NOAA

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

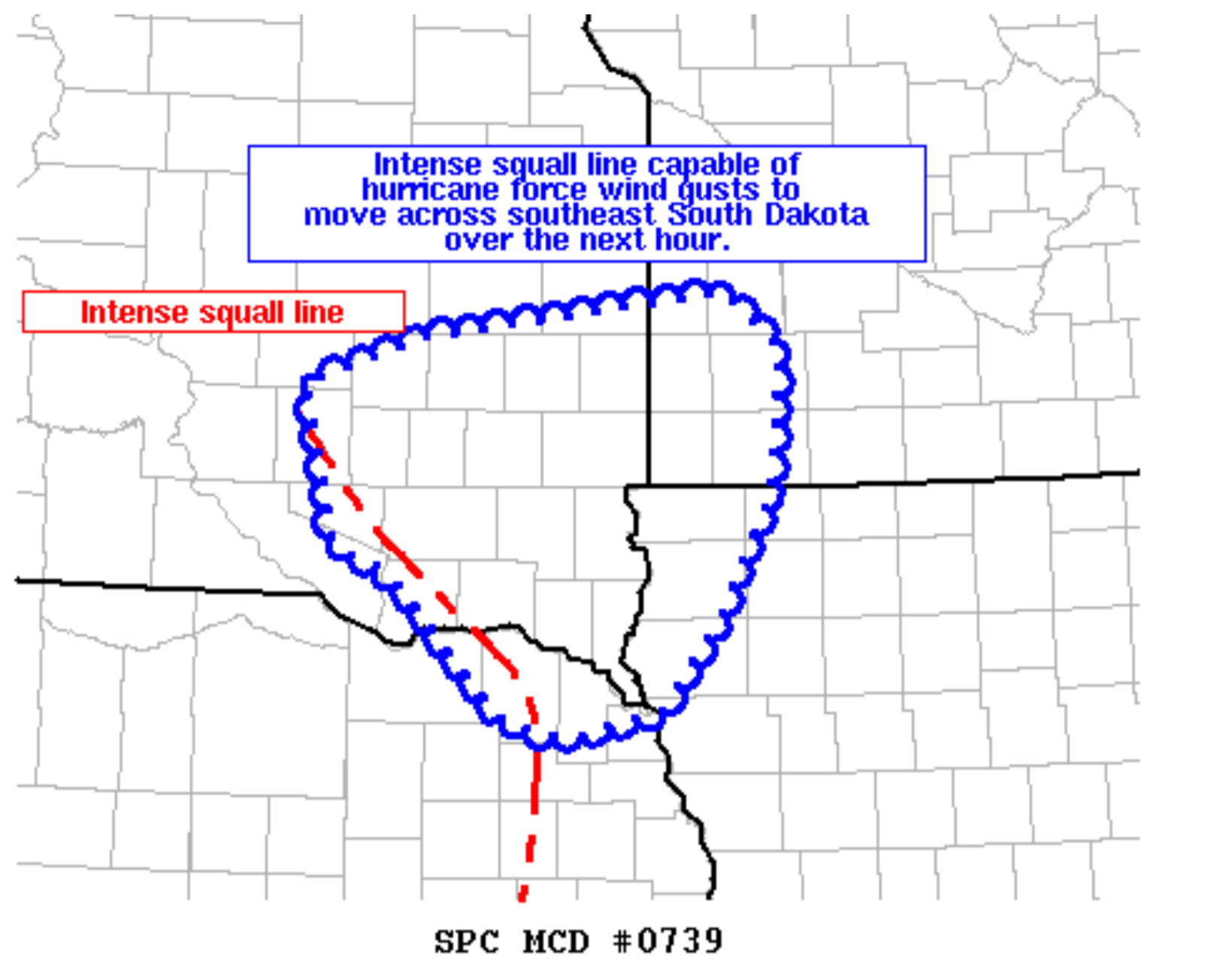
- About the SPC
- SPC FAQ
- About Tornadoes
- About Derechos
- Video Lecture Series
- WCM Page
- Enh. Fujita Page
- Our History
- Public Tours

Misc.

- Staff
- Contact Us
- SPC Feedback

Mesoscale Discussion 739

< Previous MD Next MD >



Mesoscale Discussion 0739
NWS Storm Prediction Center Norman OK
0449 PM CDT Thu May 12 2022

Areas affected...Southeast South Dakota...far southwest
Minnesota...and northwest Iowa

Concerning...Severe Thunderstorm Watch 208...

Valid 122149Z - 122230Z

CORRECTED FOR TYPO "MONTANA" INSTEAD OF "MINNESOTA"

The severe weather threat for Severe Thunderstorm Watch 208
continues.

SUMMARY...A very intense squall line will bring likely hurricane
force winds across portions of southeast South Dakota into southwest
Minnesota this evening.

DISCUSSION...A well developed squall line has developed across
Nebraska and has already produced multiple wind gusts in the 70 to
90 mph range over the past 1 to 2 hours. This line is moving over 60
knots and is moving into an increasingly favorable environment for
severe wind gusts with MLCAPE of 3000 to 4000 J/kg, DCAPE of 1400
J/kg, and effective shear around 50 knots.

All signs point toward a swath of high end wind damage across
southeast South Dakota and possibly into southwest Minnesota.
Widespread velocities of 90 to 100 knots are being sampled around
4000 feet across Yankton and Bon Homme counties as of 4:30 PM. This
is the same region where several consecutive runs of the WoFS have
shown a swath with ensemble maximum surface winds of 90 to 100
knots. Therefore, widespread 75+ mph winds are likely with some wind
gusts approaching 100 mph possible.

..Bentley.. 05/12/2022

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

ATTN...WFO...FSD...OAX...

LAT...LON 43639852 43949862 44169792 44389597 44129562 43469570
42919602 42499639 42389694 42429733 43119808 43219841
43639852

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

Weather Topics:

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