



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

City, St

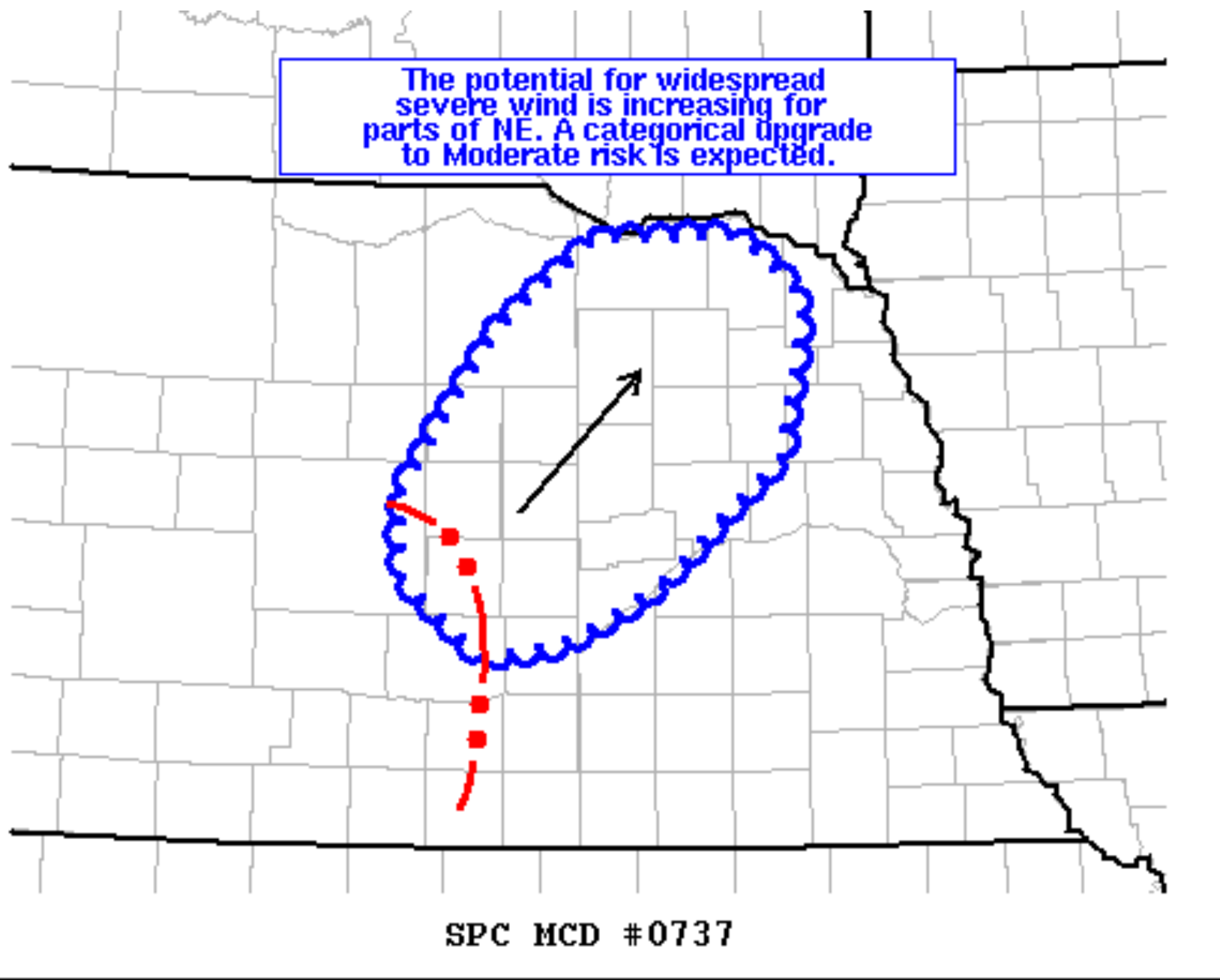


NCEP Quarterly Newsletter

- 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 737

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



Mesoscale Discussion 0737
 NWS Storm Prediction Center Norman OK
 0242 PM CDT Thu May 12 2022

Areas affected...central to northeast Nebraska

Concerning...Severe Thunderstorm Watch [206](#)...

Valid 121942Z - 122145Z

The severe weather threat for Severe Thunderstorm Watch 206 continues.

SUMMARY...The probability for widespread severe wind gusts (including several 75+ mph wind gusts) is increasing across central to northeastern Nebraska. Portions of this area will be upgraded to a Moderate risk (wind-related).

DISCUSSION...Latest radar imagery from KUEX shows a line of convection rapidly lifting to the north/northeast across southern NE. This activity has produced multiple severe wind reports over the past hour, including an 80 mph wind gust over Dawson county, NE. Recent IR imagery and lightning trends suggest this line is strengthening as MLCIN continues to erode amid strong daytime heating across central/eastern NE (where temperatures are climbing into the low 90s). Further intensification is expected through the afternoon as daytime heating continues to drive boundary-layer mixing and steepening low-level lapse rates ahead of this complex. Furthermore, this line is moving into an environment with increasing MLCAPE (up to 2500-3000 J/kg) and effective bulk shear (near 30-45 knots) per latest RAP mesoanalysis estimates. Consequently, the potential for widespread severe wind (including significant severe winds over 75 mph) is increasing for parts of central to northeastern NE.

..Moore.. 05/12/2022

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

ATTN...WFO...FSD...OAX...GID...LBF...

LAT...LON 41229933 41589936 42349879 42769818 42779727 42489690
 41769706 41189781 40969828 40859884 41229933

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

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