



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

City, St

Mesoscale Discussion 681

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

Find us on Facebook
SPC on Facebook

@NWSSPC

NCEP Quarterly Newsletter

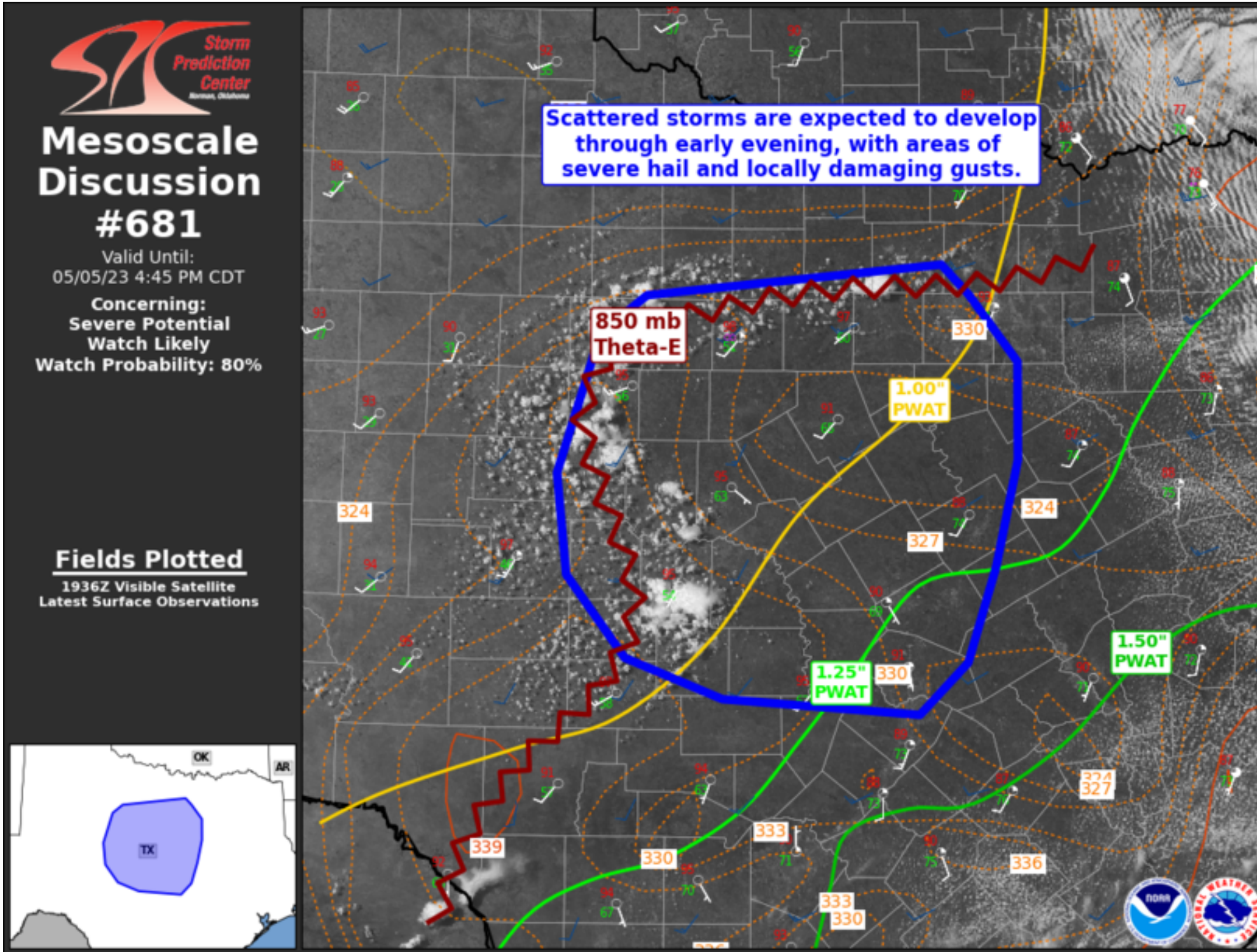
- Home (Classic)
- SPC Products
- All SPC Forecasts
- Current Watches
- Meso. Discussions
- Conv. Outlooks
- Tstm. Outlooks
- Fire Wx Outlooks
- RSS Feeds
- E-Mail Alerts

- 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 0681
NWS Storm Prediction Center Norman OK
0242 PM CDT Fri May 05 2023

Areas affected...central Texas

Concerning...Severe potential...Watch likely

Valid 051942Z - 052145Z

Probability of Watch Issuance...80 percent

SUMMARY...Scattered storms are expected to form over the next few hours across central Texas, with a threat of severe hail and a few severe gusts.

DISCUSSION...A CU field continues to expand over parts of the Edwards Plateau, with additional towering CU extending east/northeast toward Denton. Strong heating over the elevated terrain has led to an uncapped air mass, with modest destabilization currently as dewpoints have mixed. Coincidentally, all of this convection happens to be colocated with the 850 mb theta-e ridge.

With time, and despite only weak convergence, a few storms will likely emerge out of the coalescing CU field, with a threat of locally damaging hail or severe gusts. Mid to high level winds are not particularly strong, suggesting multicell storm mode with sporadic strong cores and updrafts propagating in various directions, with downdrafts aided by the well-mixed boundary layer.

..Jewell/Guyer.. 05/05/2023

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

ATTN...WFO...FWD...EWX...SJT...

LAT...LON 31230013 31860022 32749991 32979957 33179740 32979720
32569686 31949687 31299703 30699725 30389760 30489900
30739971 31230013

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

Weather Topics:

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