



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

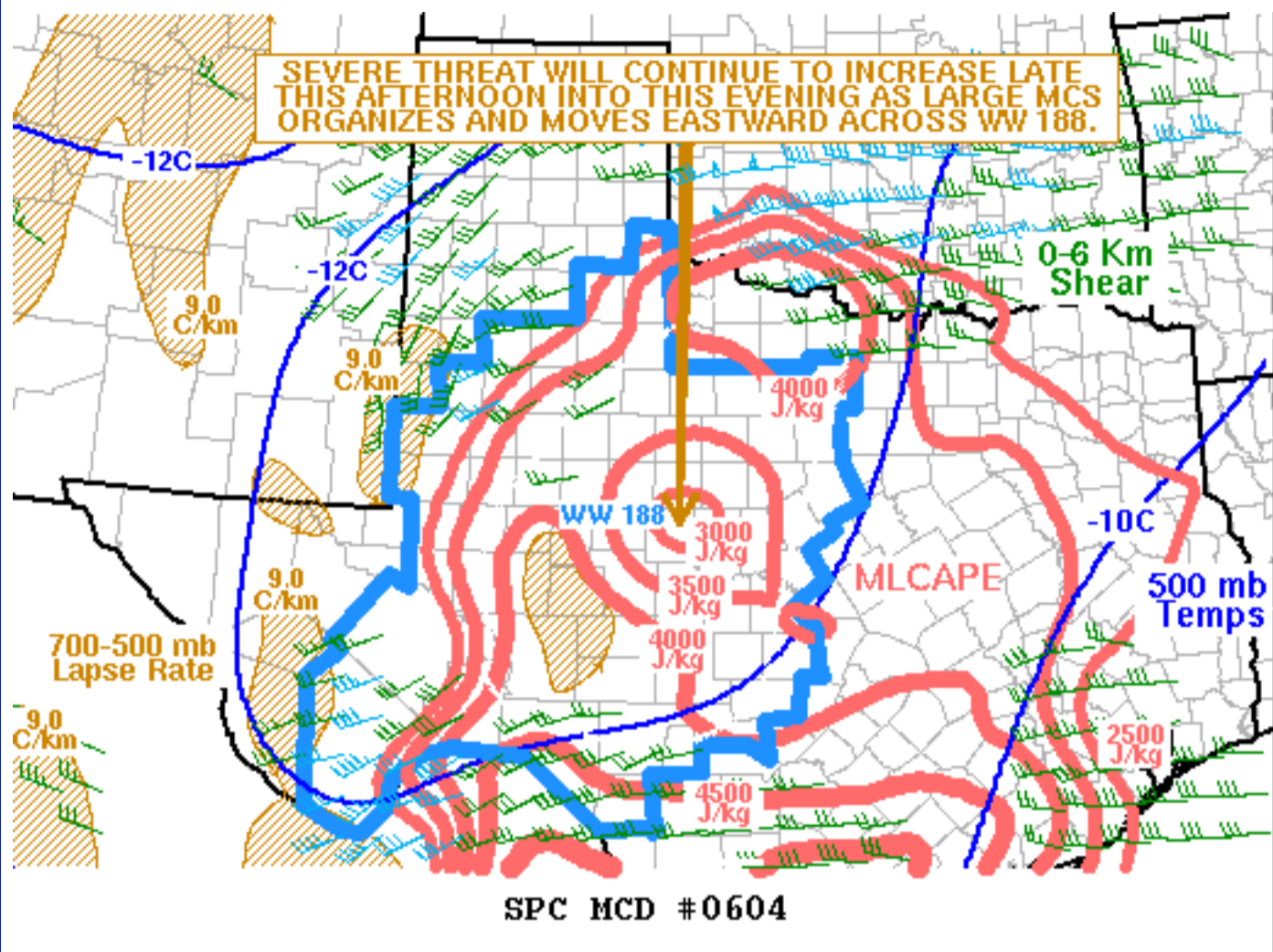
- Research
- Non-op. Products
- Forecast Tools
- Svr. Tstm. Events
- SPC Publications
- SPC-NSSL HWT
- Education & Outreach
- About the SPC
- SPC FAQ
- About Tornadoes
- About Derechos
- Video Lecture Series
- WCM Page
- Enh. Fujita Page
- Our History
- Public Tours

- Misc.
- Staff
- Contact Us
- SPC Feedback



Mesoscale Discussion 604

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



Mesoscale Discussion 0604
NWS Storm Prediction Center Norman OK
0529 PM CDT Fri May 15 2020

Areas affected...West-central and Northwest Texas

Concerning...Severe Thunderstorm Watch 188...

Valid 152229Z - 160030Z

The severe weather threat for Severe Thunderstorm Watch 188 continues.

SUMMARY...A severe threat will likely continue to increase late this afternoon into the evening across west-central and northwest Texas. Large hail and wind damage will be the primary threats.

DISCUSSION...Latest surface analysis shows a 1000 mb low over west-central Texas. A moist airmass is present from near the surface low eastward and southward across much of the southern Plains. Surface temperatures across the moist airmass have peaked in the upper 80s and lower 90s F. This is contributing to very strong instability with MLCAPE estimated by the RAP in the 3000 to 4000 J/k range. The WSR-88D VWP at San Angelo, Texas has 0-6 km shear near 30 kt suggesting that most of the storms will remain multicellular. A gradual increase in storm coverage is expected to take place over the next couple hours as cells congeal and a large MCS organizes. This MCS will move eastward across northwest and west-central Texas. The instability combined with steep lapse rates should be favorable for isolated large hail with the stronger updrafts. As the MCS grows upscale, the wind damage threat should increase especially with well-formed intense line segments.

..Broyles.. 05/15/2020

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

ATTN...WFO...FWD...OUN...EWX...SJT...LUB...MAF...

LAT...LON 32849820 33529796 33929825 34129895 34009961 33670013
33070098 32510151 31970191 31670202 31260201 30860190
30520195 30280176 30160142 30080102 29900058 29889986
30349904 31629865 32849820

[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