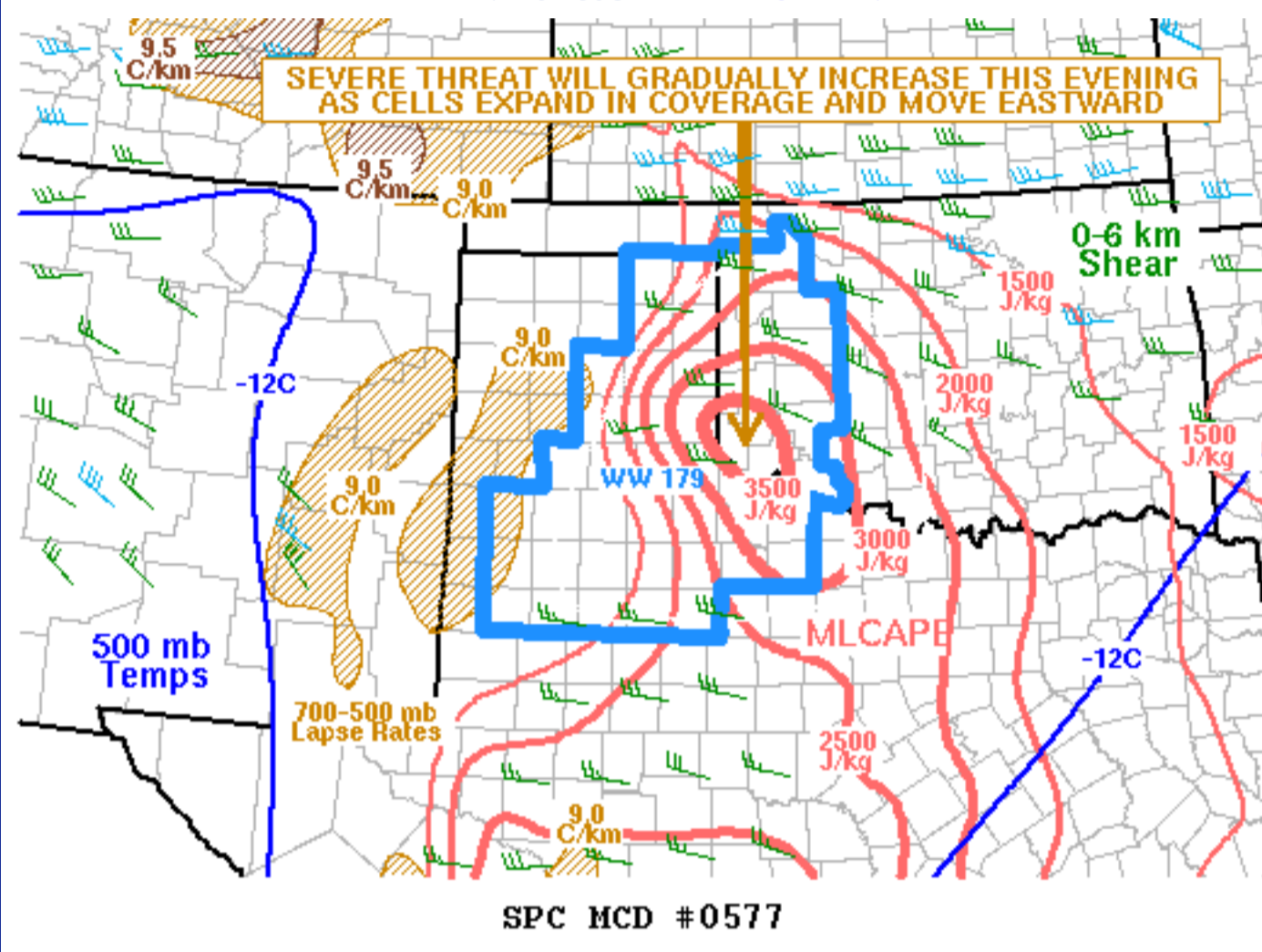


Local forecast by  
"City, St" or "ZIP"City, St  

## Mesoscale Discussion 577

&lt; Previous MD    Next MD &gt;



Mesoscale Discussion 0577  
NWS Storm Prediction Center Norman OK  
0508 PM CDT Wed May 13 2020

Areas affected...Eastern Texas Panhandle...Northwest Texas...Western Oklahoma

Concerning...Severe Thunderstorm Watch [179](#)...

Valid 132208Z - 140015Z

The severe weather threat for Severe Thunderstorm Watch 179 continues.

SUMMARY...A threat for large hail and wind damage will gradually increase over the next few hours across the eastern Texas Panhandle and west Texas. The severe threat will also impact western Oklahoma as cells increase in coverage and move eastward.

DISCUSSION...The latest surface analysis shows a 1000 mb low across southeastern Colorado with a dryline extending southeastward from the low into southwest Kansas. This feature then extends southward into the eastern Oklahoma Panhandle where isolated thunderstorms are ongoing. Thunderstorms are also ongoing in the vicinity of Lubbock to the west of the dryline. Storm coverage is expected to increase along and to the east of the dryline over the next few hours as large-scale ascent increases due to the approach of a shortwave trough evident on water vapor imagery. This combined with a strengthening low-level jet early this evening, should result in the development of a broken line segment. The RAP is estimating MLCAPE to the east of the dryline in the 2500 to 3500 J/kg range along with 30 to 40 kt of 0-6 km shear. This along with very steep mid-level lapse rates will be favorable for large hail. Hailstones of greater than 2 inches in diameter will be possible with any supercells that develop. Eventually, a line segment is expected to organize. As this line moves eastward into western Oklahoma and northwest Texas, damaging wind gusts should become more widespread.

..Broyles.. 05/13/2020

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

ATTN...WFO...FWD...OUN...SJT...LUB...AMA...

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