



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

City, St

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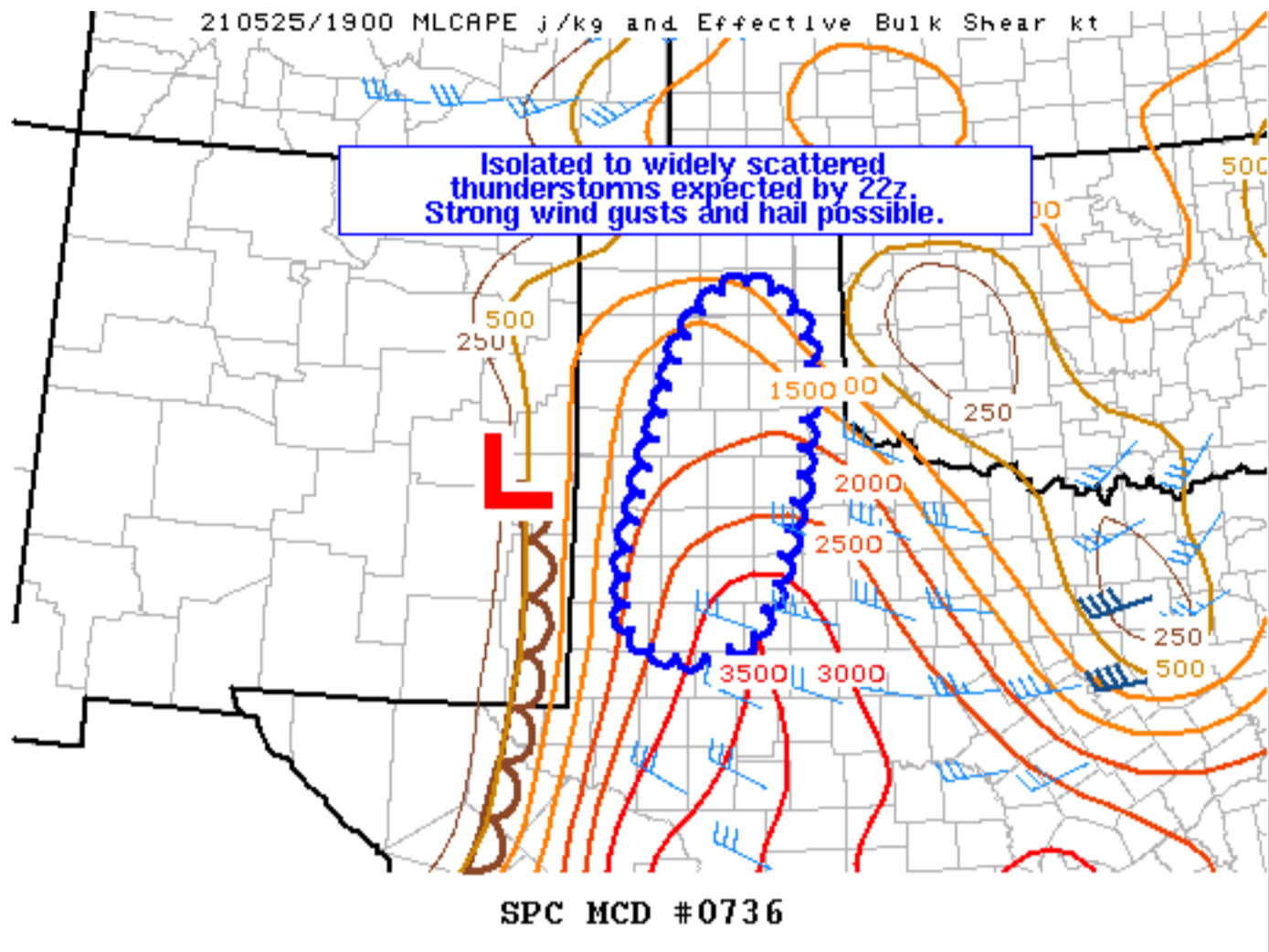
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## Mesoscale Discussion 736

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210525/1900 MLCAPE j/kg and Effective Bulk Shear kt



Mesoscale Discussion 0736  
 NWS Storm Prediction Center Norman OK  
 0256 PM CDT Tue May 25 2021

Areas affected...portions of the TX Panhandle and South Plains vicinity

Concerning...Severe potential...Watch possible

Valid 251956Z - 252130Z

Probability of Watch Issuance...60 percent

SUMMARY...Isolated to widely scattered thunderstorms are expected in the next couple of hours. Locally strong gusts and hail are possible with the strongest storms.

DISCUSSION...A broad area of cumulus over parts of the TX Panhandle/South Plains vicinity has shown signs of deepening over the past 30-60 minutes per visible satellite loops. This activity is developing within an axis of moderate instability, and near a modified outflow boundary and weak surface trough. Latest mesoanalysis as a 19z RAOB from AMA indicates little inhibition remains over the region. Isolated to widely scattered thunderstorms are likely to develop within the next 1-2 hours. Effective shear remains weak across the region, with only around 20-25 kt indicated in forecast soundings. While this may limit overall longevity of organized cells, degree of instability combined with steep midlevel lapse rates should support a least a couple of strong to severe cells. Steep low level lapse rates, with a well-mixed sub-cloud layer will promote strong downdraft and gusty outflow winds are possible in addition to hail. Convective trends will be monitored for possible watch issuance within the next couple of hours.

..Leitman/Guyer.. 05/25/2021

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

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