



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

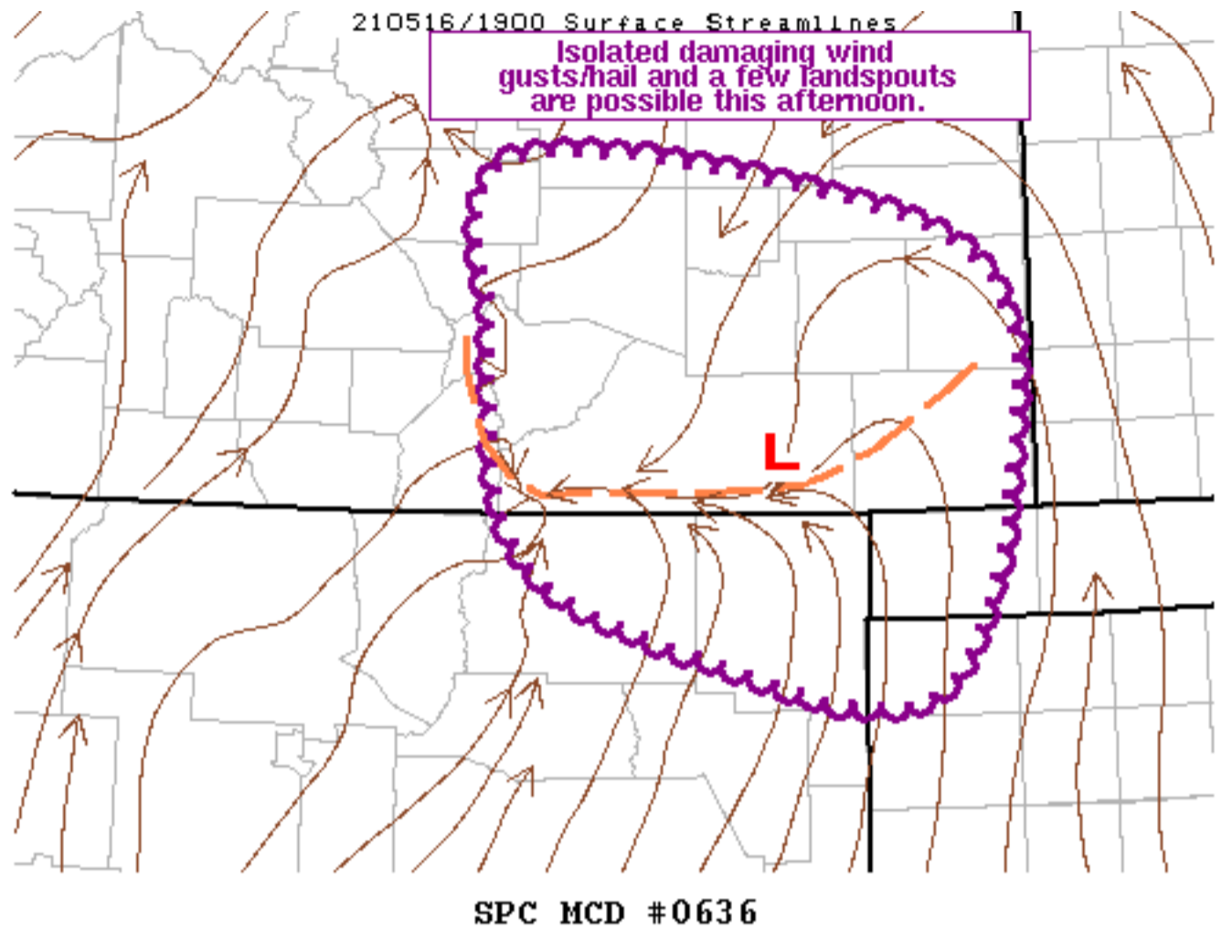
City, St

## Mesoscale Discussion 636

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210516/1900 Surface Streamlines

Isolated damaging wind gusts/hail and a few landspouts are possible this afternoon.



Mesoscale Discussion 0636  
NWS Storm Prediction Center Norman OK  
0223 PM CDT Sun May 16 2021

Areas affected...Southeast CO...Northeast NM...Far Western OK  
Panhandle...Far Northwest TX Panhandle

Concerning...Severe potential...Watch possible

Valid 161923Z - 162130Z

Probability of Watch Issuance...40 percent

SUMMARY...A few strong to severe thunderstorms are expected this afternoon across the region. Damaging wind gusts and isolated hail are possible with the strongest storms, as well as a few landspouts

DISCUSSION...Visible satellite imagery has shown increasing cumulus across the Front Range/Sangre De Cristos over the past few hours. Some lightning has recently been observed within the convection along the CO/NM border with a strong cell now ongoing over Union County NM. General expectation is for the storms to continue building over the high terrain before then moving eastward into southeast CO and north-east NM. Additionally, a surface low is in place over southeast CO and increasing low-level convergence in the vicinity of this low likely contributed to storm initiation in Union County NM.

Expectation is for storm coverage to increase over the next few hours as diurnal heating contributes to moderate destabilization. A deeply mixed boundary layer and resultant steep low/mid-level lapse rates suggest the primary severe threat will be damaging wind gusts associated with thunderstorm outflow. Some isolated hail may also occur. Additionally, given the increased surface vorticity associated with the surface low, landspouts also appear possible.

..Mosier/Guyer.. 05/16/2021

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

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