



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

City, St

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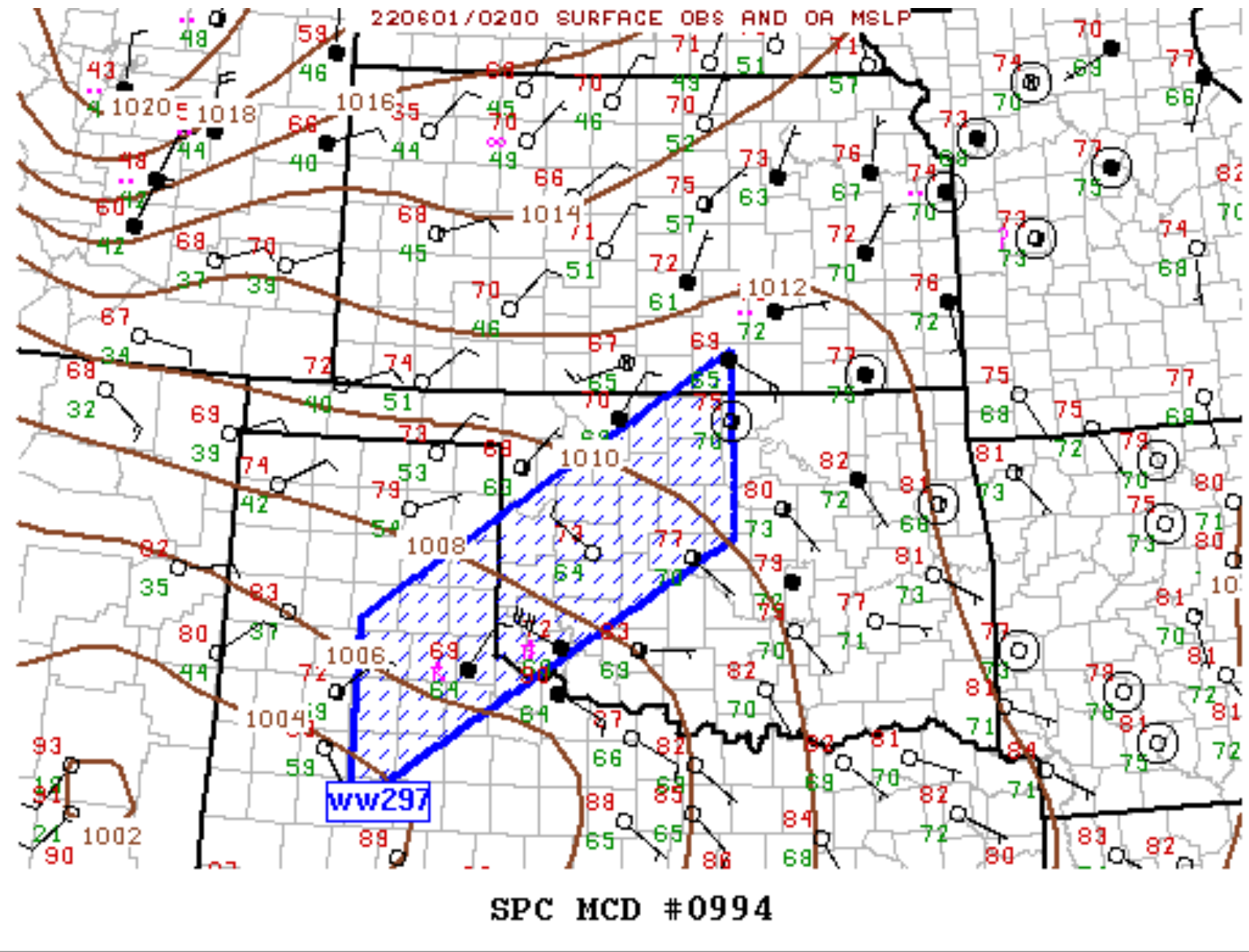
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## Mesoscale Discussion 994

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Mesoscale Discussion 0994  
 NWS Storm Prediction Center Norman OK  
 0929 PM CDT Tue May 31 2022

Areas affected...Southern Plains

Concerning...Severe Thunderstorm Watch [297](#)...

Valid 010229Z - 010330Z

The severe weather threat for Severe Thunderstorm Watch 297 continues.

SUMMARY...Convection is expected to linger across the southern Plains region; however, it's not clear whether a new watch is currently warranted, though a local extension may be necessary.

DISCUSSION...Slow-moving convection that initiated shortly after peak heating along the front continues this evening. Southern-most complex of storms has propagated into the southwestern portions of [ww297](#) while a less organized cluster extends along the frontal corridor from northwest OK-southeast KS, with more isolated activity now slowly evolving into northern MO. In the absence of large-scale support aloft, 25kt LLJ and weak frontal convergence are the primary mechanisms for convection continuing. MRMS MESH cores have gradually weakened over the last hour or so with most updrafts now producing marginally severe hail. Gusty winds are also common with the northwest TX/southwest OK convection, primarily due to warmer surface temperatures and lingering steep low-level lapse rates. While this activity is not expected to completely die off any time soon, it's not real clear whether a new severe thunderstorm watch is warranted given the recent trends and marginal nature of forcing.

Local watch extension may be necessary.

..Darrow.. 06/01/2022

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

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