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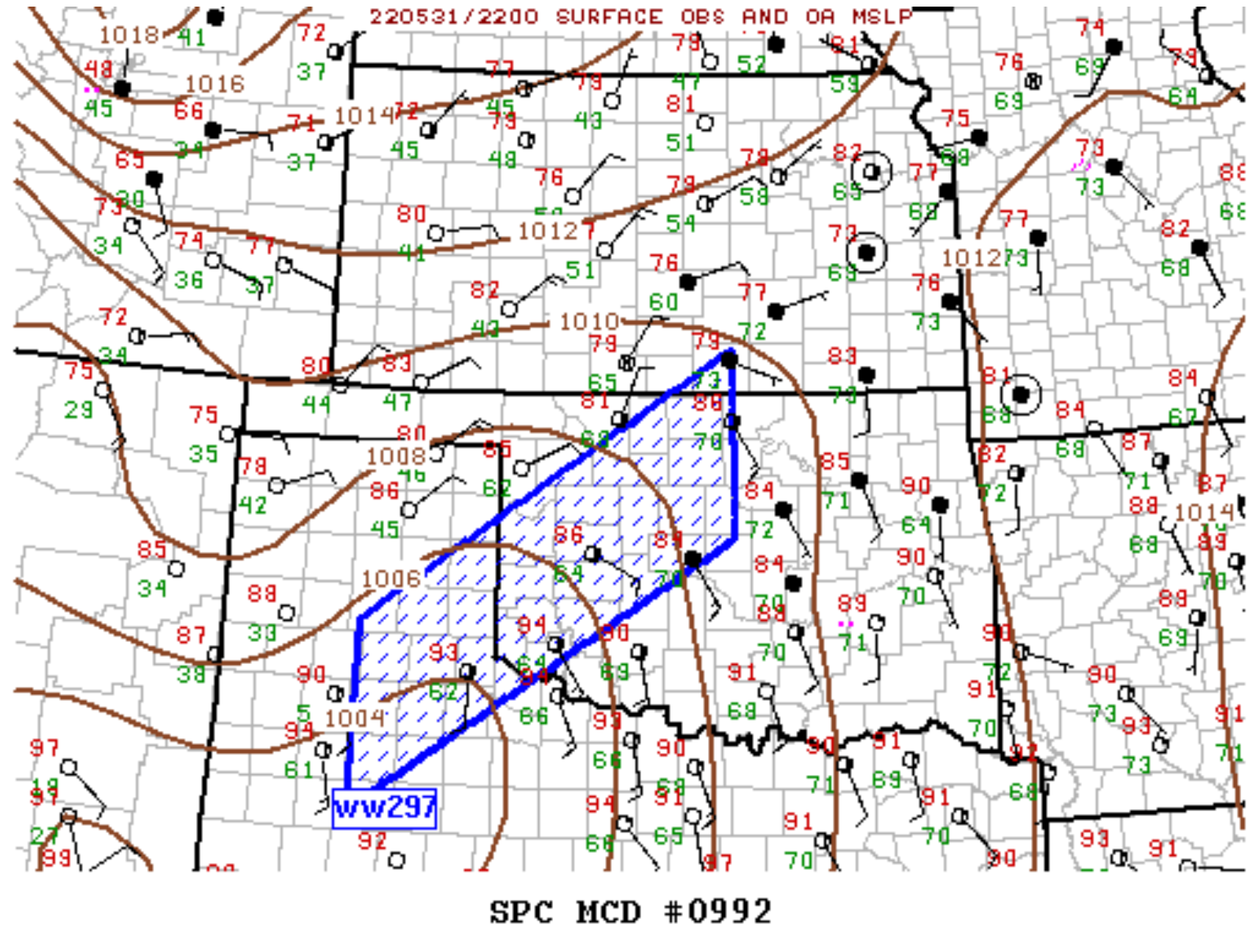
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Mesoscale Discussion 992

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Mesoscale Discussion 0992
 NWS Storm Prediction Center Norman OK
 0553 PM CDT Tue May 31 2022

Areas affected...Southern Plains

Concerning...Severe Thunderstorm Watch 297...

Valid 312253Z - 010030Z

The severe weather threat for Severe Thunderstorm Watch 297 continues.

SUMMARY...Scattered strong/severe thunderstorms will persist across [ww297](#) this evening.

DISCUSSION...In the absence of any appreciable mid-level short-wave trough, it appears frontal convergence and weak low-level warm advection atop the boundary will be the primary forcing mechanisms for convection this evening. While surface heating proved instrumental in thunderstorm development across [ww297](#) late this afternoon, southerly 850mb flow is expected to increase across the TX South Plains into northern OK later this evening. This should contribute to some southward propagation, although the primary storm motion will remain easterly around 20kt. Most robust updrafts are producing severe hail and this is expected to continue for at least the next several hours. With time, thunderstorms may spread/develop across southeast/east-central KS along the nearly stationary boundary that is draped across this region.

..Darrow.. 05/31/2022

...Please see [www.spc.noaa.gov](#) for graphic product...

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