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City, St

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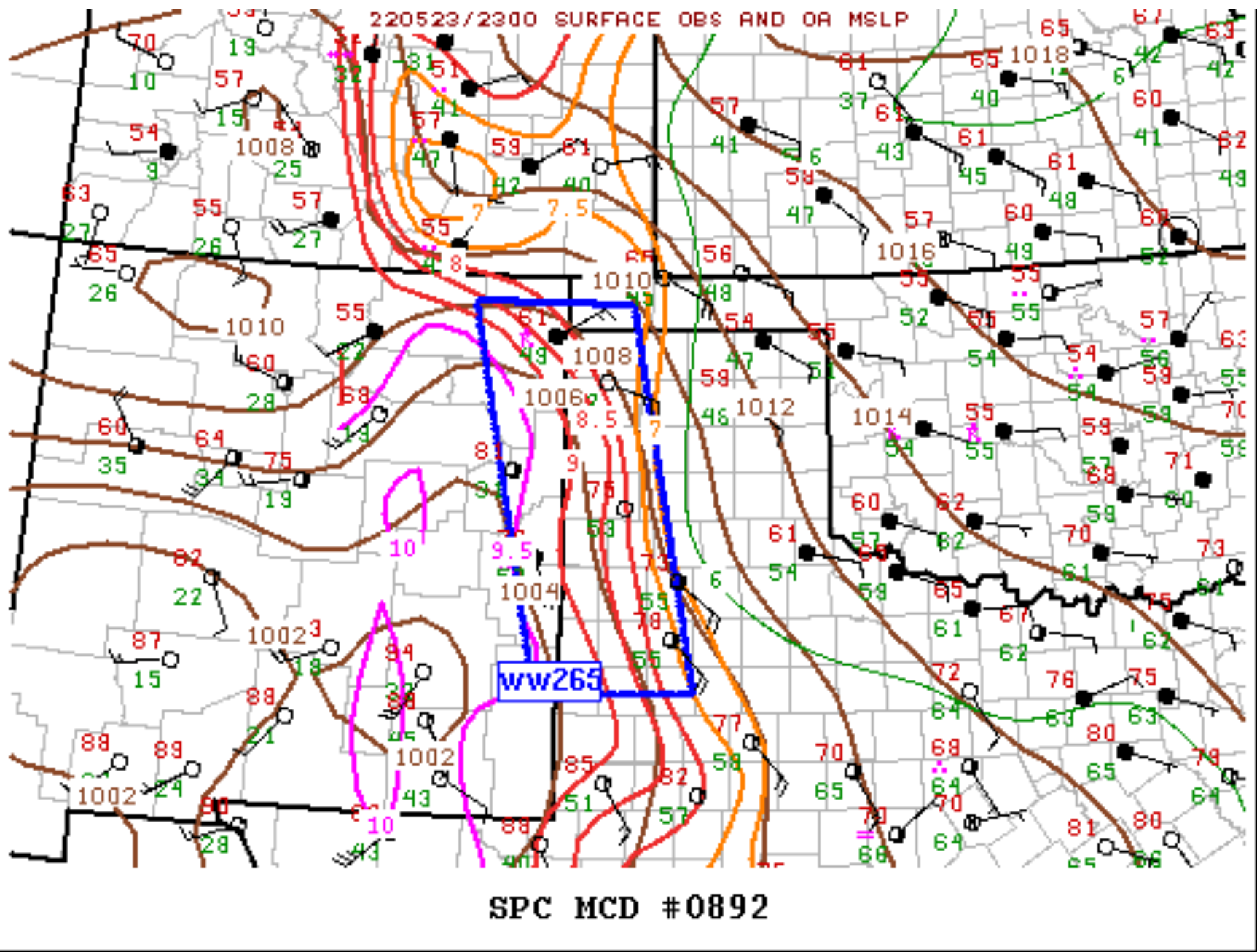
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Mesoscale Discussion 892

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Mesoscale Discussion 0892
NWS Storm Prediction Center Norman OK
0720 PM CDT Mon May 23 2022

Areas affected...Southern High Plains

Concerning...Severe Thunderstorm Watch [265](#)...

Valid 240020Z - 240145Z

The severe weather threat for Severe Thunderstorm Watch 265 continues.

SUMMARY...Severe threat continues across [ww265](#).

DISCUSSION...Scattered supercells are gradually shifting east along the TX/NM border early this evening. This activity initiated over the High Plains where convective temperatures were breached within southeasterly upslope flow. Additionally, a very weak short-wave trough may be aiding this activity and mid/high-level flow will gradually strengthen across the TX Panhandle this evening. As LLJ shifts east and increases to near 40kt, convection will be encouraged to propagate toward western OK. However, boundary layer is quite cool over the eastern TX Panhandle where surface-3km lapse rates are less than 5.5 C/km. As a result, supercells may struggle as they shift east.

However, southern-most supercell, north of Morton TX, has produced hail in excess of 2 inches along with at least one potentially significant tornado. This storm is advancing through the surface-based instability gradient and should remain surface based at least to the longitude of I-27. East of I-27 updrafts should gradually become more elevated in nature.

..Darrow.. 05/24/2022

...Please see www.spc.noaa.gov for graphic product...

ATTN...WFO...LUB...AMA...MAF...ABQ...

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