



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

Mesoscale Discussion 668

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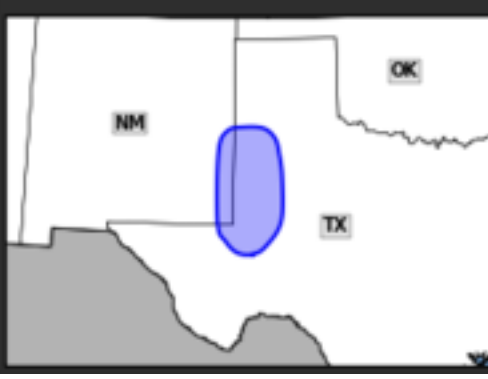
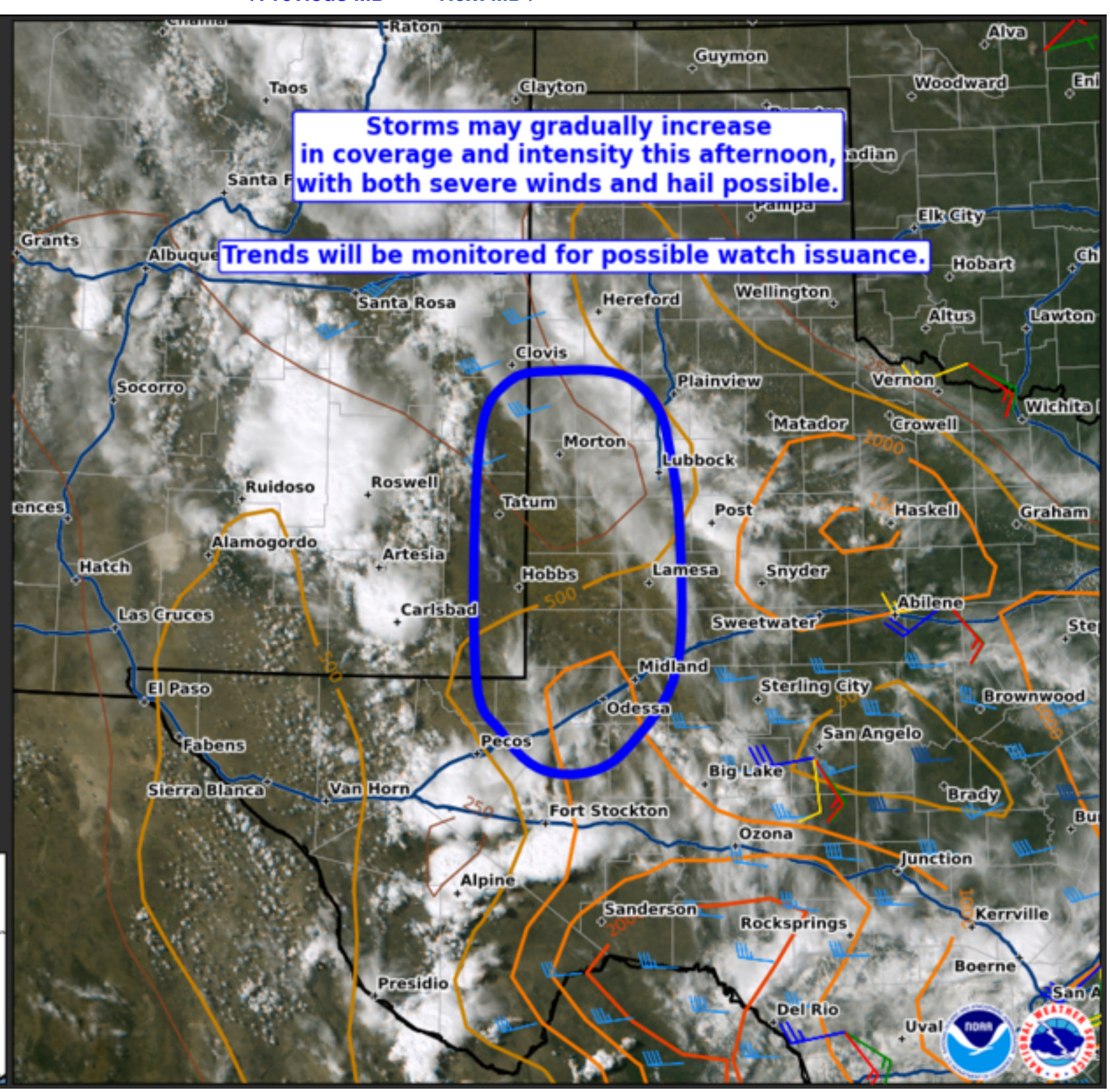
Mesoscale Discussion #668

Valid Until:
05/02/23 6:00 PM CDT

Concerning:
Severe Potential
Watch Possible

Watch Probability: 40%

Fields Plotted
2026Z True Color Satellite
Latest Radar VAD Winds
20Z MLCAPE (J/kg)
and Effective Shear (kts)
Interstate Highways



Mesoscale Discussion 0668
NWS Storm Prediction Center Norman OK
0330 PM CDT Tue May 02 2023

Areas affected...Portions of far southeastern NM into west TX

Concerning...Severe potential...Watch possible

Valid 022030Z - 022300Z

Probability of Watch Issuance...40 percent

SUMMARY...Thunderstorms may gradually increase in coverage and intensity this afternoon, with both severe winds and hail possible. Trends will be monitored for possible watch issuance.

DISCUSSION...Convection has been slowly increasing along and just east of the Sacramento/Guadalupe Mountains in southern NM and the Davis Mountains in west TX. This is occurring as a weak shortwave trough moves over this region, and modest low-level upslope flow continues. The current activity is rather high based, given the presence of generally 30s surface dewpoints and a very well mixed boundary layer where surface heating has occurred. As this convection spreads east-northeastward over the next couple of hours, these thunderstorms will gradually intercept modestly greater low-level moisture characterized by mid 40s to mid 50s surface dewpoints present across far eastern NM into west TX.

Some intensification of this convection may occur as it intercepts the greater instability across west TX. Still, deep-layer shear remains rather modest, around 20-30 kt, due to the low-amplitude nature of the shortwave trough and weak low-level mass response. Multicell clusters will probably be the dominant mode with any convection that can persist with eastward extent. Given the steep low/mid-level lapse rates and inverted-v type soundings, severe wind gusts should be the main threat, but some hail may also occur with the more robust updrafts. Overall convective organization and intensity may remain somewhat marginal/isolated late this afternoon and evening, and the need for a watch is unclear. Regardless, observational trends will be closely monitored.

..Gleason/Thompson.. 05/02/2023

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

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

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