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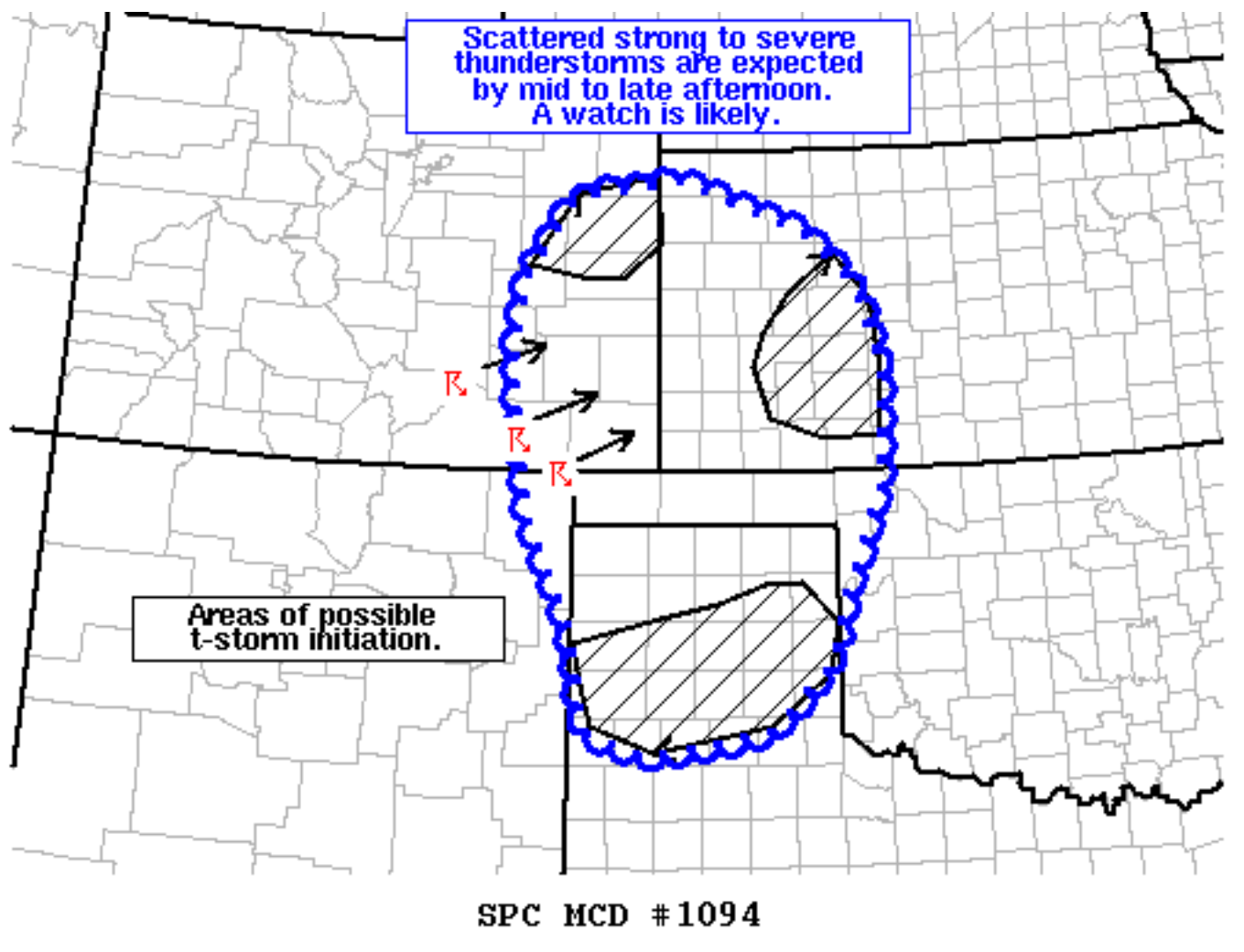
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Mesoscale Discussion 1094

< Previous MD Next MD >

Scattered strong to severe thunderstorms are expected by mid to late afternoon. A watch is likely.



Mesoscale Discussion 1094
NWS Storm Prediction Center Norman OK
0211 PM CDT Fri Jun 25 2021

Areas affected...The Texas and Oklahoma Panhandles into eastern Colorado and western Kansas

Concerning...Severe potential...Watch likely

Valid 251911Z - 252115Z

Probability of Watch Issuance...80 percent

SUMMARY...Isolated to scattered thunderstorms are expected to develop through the afternoon hours. Storms will gradually intensify as they move east into better instability, and will pose a severe hail/wind threat. A watch is likely to address this concern.

DISCUSSION...Recent satellite and radar trends from the central/southern High Plains show isolated/scattered thunderstorms ongoing across southern to southeast CO. These high-based storms reside in an environment with deep, dry boundary layers, limited instability, and only marginal effective bulk shear. However, they will encounter deeper boundary-layer moisture and increasing instability as they shift east. Deeper parcel trajectories will also allow for strengthening effective bulk shear, boosting the overall potential for organized severe convection with eastward extent into the OK/TX Panhandles and far eastern CO/western KS.

Additionally, 1-min GOES imagery reveals several areas of agitated cumulus across east-central CO, near Dodge City, KS, and in the central TX Panhandle. These cumulus fields are largely associated with various outflow boundaries and/or lee trough axes, which may act as preferential zones for additional convective initiation through the late afternoon hours as MLCIN continues to wane. Continued lee troughing and strengthening confluence along the boundaries over the region will further augment the potential for initiation later today. With nearly straight hodographs forecast across the region, initially discrete to semi-discrete storms are expected with an attendant severe hail/wind threat. A watch is likely in the coming hour.

..Moore/Guyer.. 06/25/2021

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

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