



storms, intersects the front in southwest Oklahoma. The storms in south-central Oklahoma are located on the cool side of the outflow boundary where surface temperatures are generally around 70 F. In spite of this, moderate instability is in place across south-central Oklahoma where the RAP is estimating MLCAPE values from 2000 to 2500 J/kg. This combined with moderate deep-layer shear evident on the Oklahoma City WSR-88D VWP and 700-500 mb lapse rates near 8.0 C/km, will be favorable for supercells with large hail. Supercells may also produce isolated wind damage and perhaps a brief tornado.

Further southwest into northwest Texas, a cluster of strong to severe thunderstorms is ongoing just to the southeast of the front in a very moist and unstable airmass. Surface temperatures are in the mid 80s F and the RAP is estimating MLCAPE to be in the 4000 to 4500 J/kg range. This thermodynamic environment will be very favorable for supercells with large hail. Hailstones of greater than 2 inches will be possible with the strongest of updrafts. Isolated wind damage and a brief tornado will also be possible.

..Broyles/Hart.. 05/01/2019

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

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