Storm Prediction Center



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DISCUSSION...The likelihood of storm initiation is increasing near and south of the Oklahoma City metro area, per visible satellite imagery. A line of cumulus along a pre-frontal wind shift has been deepening over the last half hour. The 17Z LMN and 19Z sounding sampled mid-level lapse rates of near 9 C/km. With upper 60s F dewpoints south of OKC and east of I-35, MLCAPE of 3000-3500 J/kg has been objectively analyzed across central Oklahoma. Residual capping, however, remains in place on the 19Z OUN sounding. Observational trends support the signal from the latest CAMS that development will not occur for another 1-2 hours. When/if the cap is breached, rapid storm intensification can be expected given the buoyancy present. Deep-layer shear of around 35-40 kts will be sufficient for organized storms capable of large/very large hail and strong/severe wind gusts. Veered low-level winds should limit the tornado threat, particularly with western extent. A new watch or possible local extension of WW 163 may be needed as development/evolution become more clear.

..Wendt/Hart.. 05/04/2020

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

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