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Mesoscale Discussion 1081

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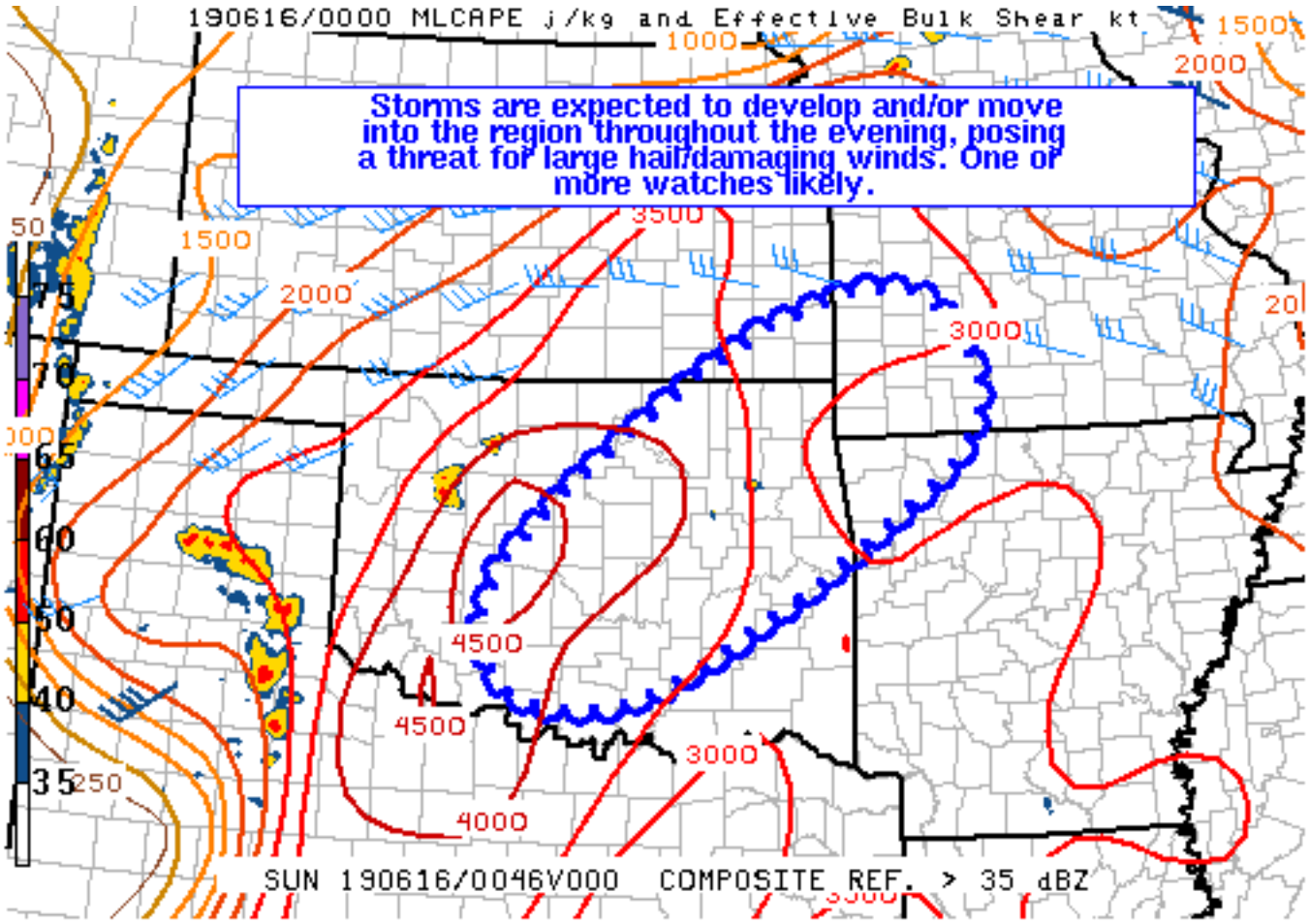

SPC MCD #1081

Mesoscale Discussion 1081
NWS Storm Prediction Center Norman OK
0806 PM CDT Sat Jun 15 2019

Areas affected...Central/Northeast Oklahoma...Southeast Kansas...Northeast Arkansas...and Southwest Missouri

Concerning...Severe potential...Watch likely

Valid 160106Z - 160300Z

Probability of Watch Issuance...80 percent

SUMMARY...Storms expected to continue to develop and/or move into the region throughout the evening, posing a threat for large hail/damaging wind gusts. One or more watches will likely be needed.

DISCUSSION...Recent visible satellite/radar trends show a few storms are developing across northeast Oklahoma. Thus far, storms have remained somewhat disorganized, likely due to marginal deep-layer shear across the region. However, these storms are developing within

an environment characterized by large instability (MLCAPE of 3000-4000 J/kg), and thus, storms should continue to intensify over the next 1-2 hours. In addition, forecast soundings from the RAP/HRRR indicate an increase in low-level southerly flow as a low-level jet develops through the late evening. This process should result in an uptick in deep-layer shear and promote additional thunderstorm development/maintenance across the region.

Thus, ongoing storms in northeast Oklahoma are expected to continue intensifying over the next 1-2 hours, eventually organizing into perhaps a few multi-cellular clusters that would pose a threat for large hail and damaging wind gusts. Additional ongoing activity across parts of northwest/western Oklahoma and the Texas Panhandle should eventually propagate eastward and move into the region, particularly across parts of central Oklahoma. Given these forecast scenarios, one or more watches may be needed for parts of the region.

..Karstens/Guyer.. 06/16/2019

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

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