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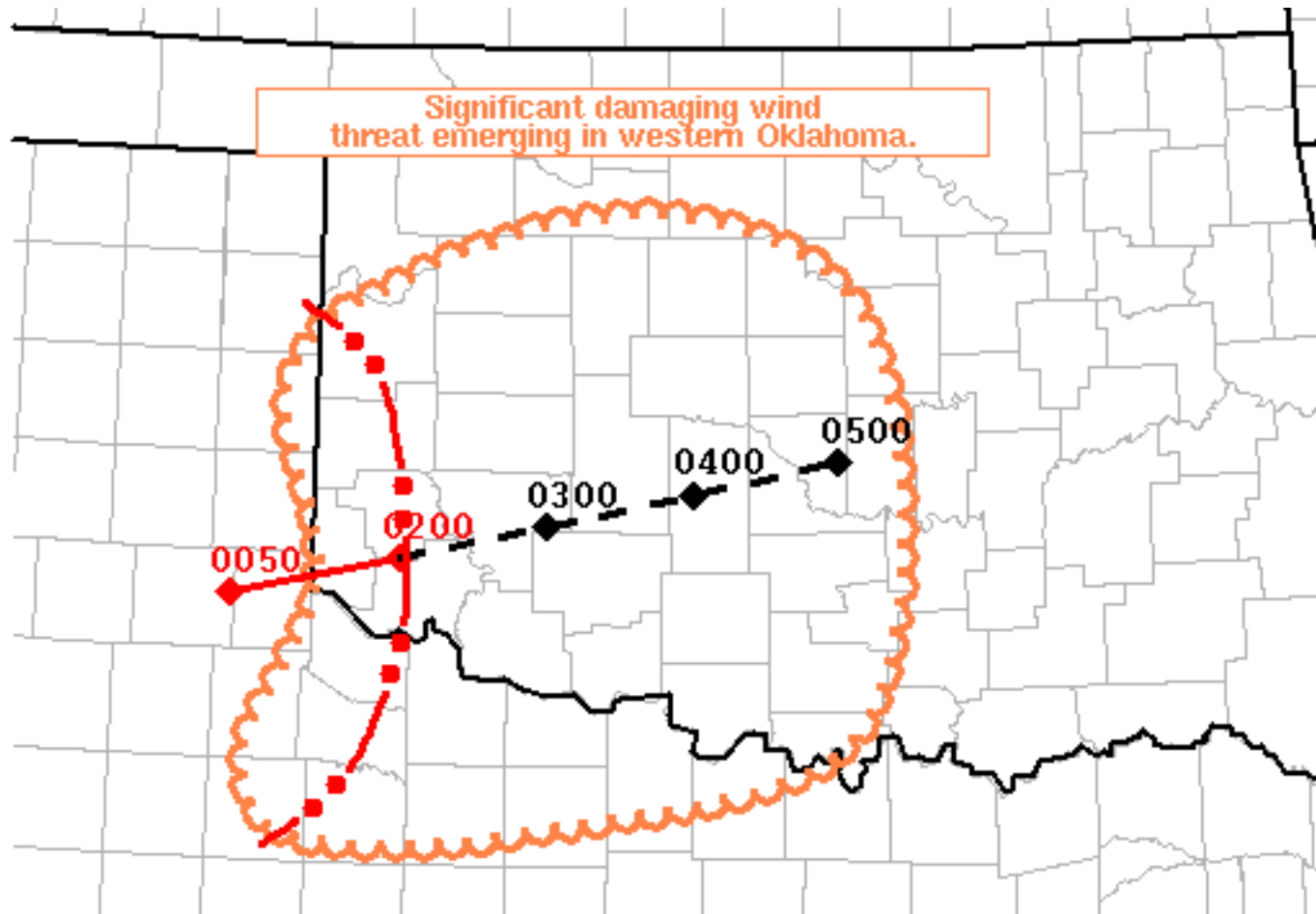
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SPC MCD #1082

Mesoscale Discussion 1082

NWS Storm Prediction Center Norman OK

0911 PM CDT Sat Jun 15 2019

Areas affected...Western Oklahoma

Concerning...Severe Thunderstorm Watch 364...

Valid 160211Z - 160315Z

The severe weather threat for Severe Thunderstorm Watch 364 continues.

SUMMARY...Significant damaging wind threat emerging in western Oklahoma.

DISCUSSION...Storms that had developed earlier across the Texas Panhandle have grown upscale into a mesoscale convective system/bow echo that is now entering the western tier of counties in Oklahoma. This system has a history of producing significant damaging wind gusts of 80+ mph. Forecast soundings support the maintenance in the



short-term, with steep low- and mid-level lapse rates, rich boundary-layer moisture (70F surface dew point temperatures), ample instability (4000+ J/kg MLCAPE), and a developing low-level jet. Outflow along the leading edge of the system has thus far kept pace with the convection, suggesting the threat for significant damaging wind gusts will continue for the next couple of hours across southwest Oklahoma and affect central Oklahoma by 04-05 UTC.

..Karstens.. 06/16/2019

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

ATTN...WFO...FWD...OUN...LUB...AMA...

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Page last modified: June 16, 2019

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