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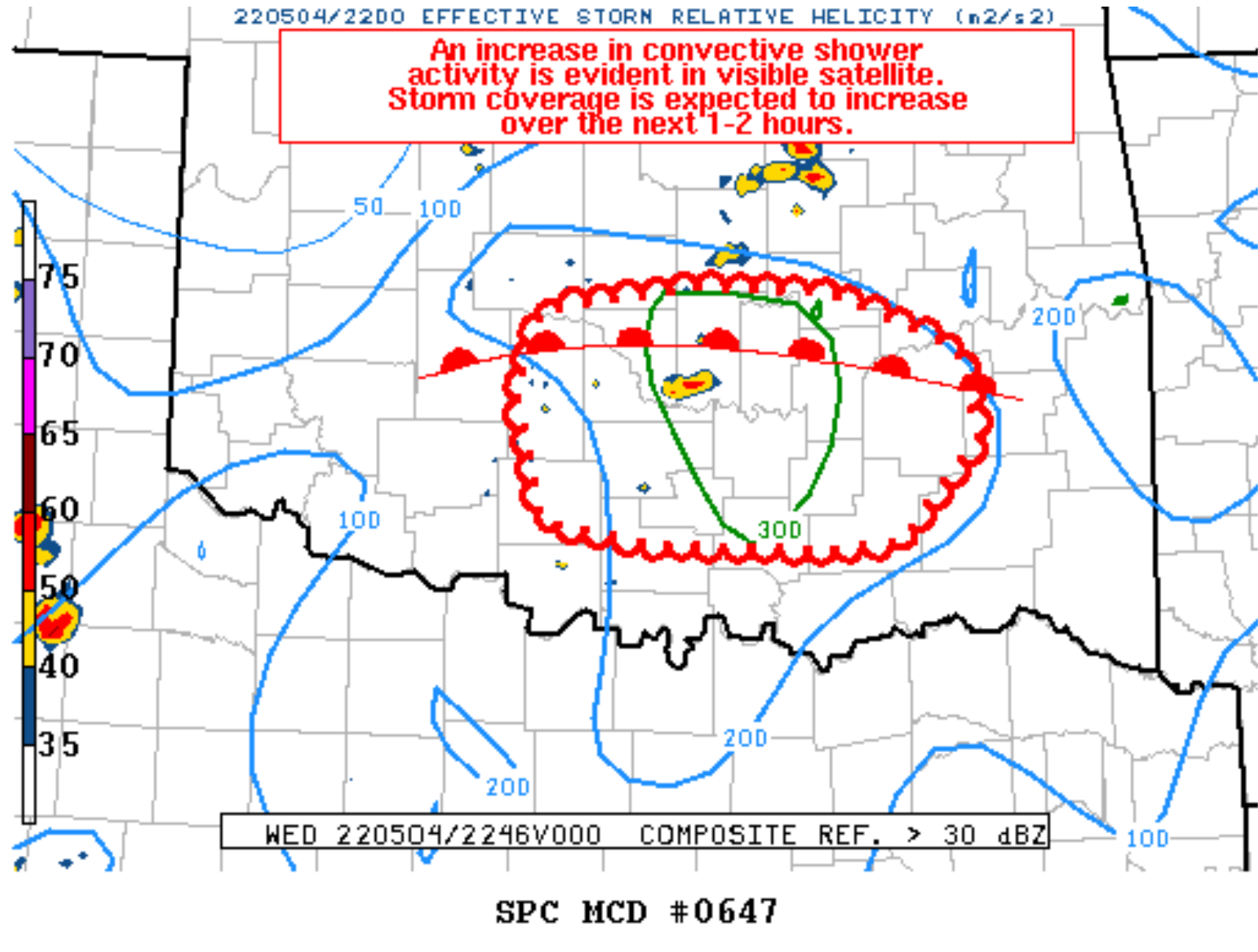
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Mesoscale Discussion 647

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Mesoscale Discussion 0647
 NWS Storm Prediction Center Norman OK
 0611 PM CDT Wed May 04 2022

Areas affected...Central into eastern Oklahoma

Concerning...Tornado Watch 176...

Valid 042311Z - 050045Z

The severe weather threat for Tornado Watch 176 continues.

SUMMARY...An increase in storm coverage is expected this evening given current visible satellite trends and an expected increase in mid-level forcing. Large/very-large hail and tornadoes, possibly strong, are the expected hazards.

DISCUSSION...Convective showers have increased in central Oklahoma over the past two hours. More recently a supercell has matured/intensified in Pottawatomie County. These trends on visible satellite suggest that additional storms are possible over the next 1-2 hours. KTLX VWP data shows over 300 m2/s2 SRH. Later this evening, the low-level jet is also expected to focus and increase into this region. Tornado potential with mature storms will increase this evening. Depending on how many storms can initiate, some storm interactions are possible. However, any of the more dominant supercells will be capable of large/very-large hail and tornadoes -- some potentially strong.

..Wendt.. 05/04/2022

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

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