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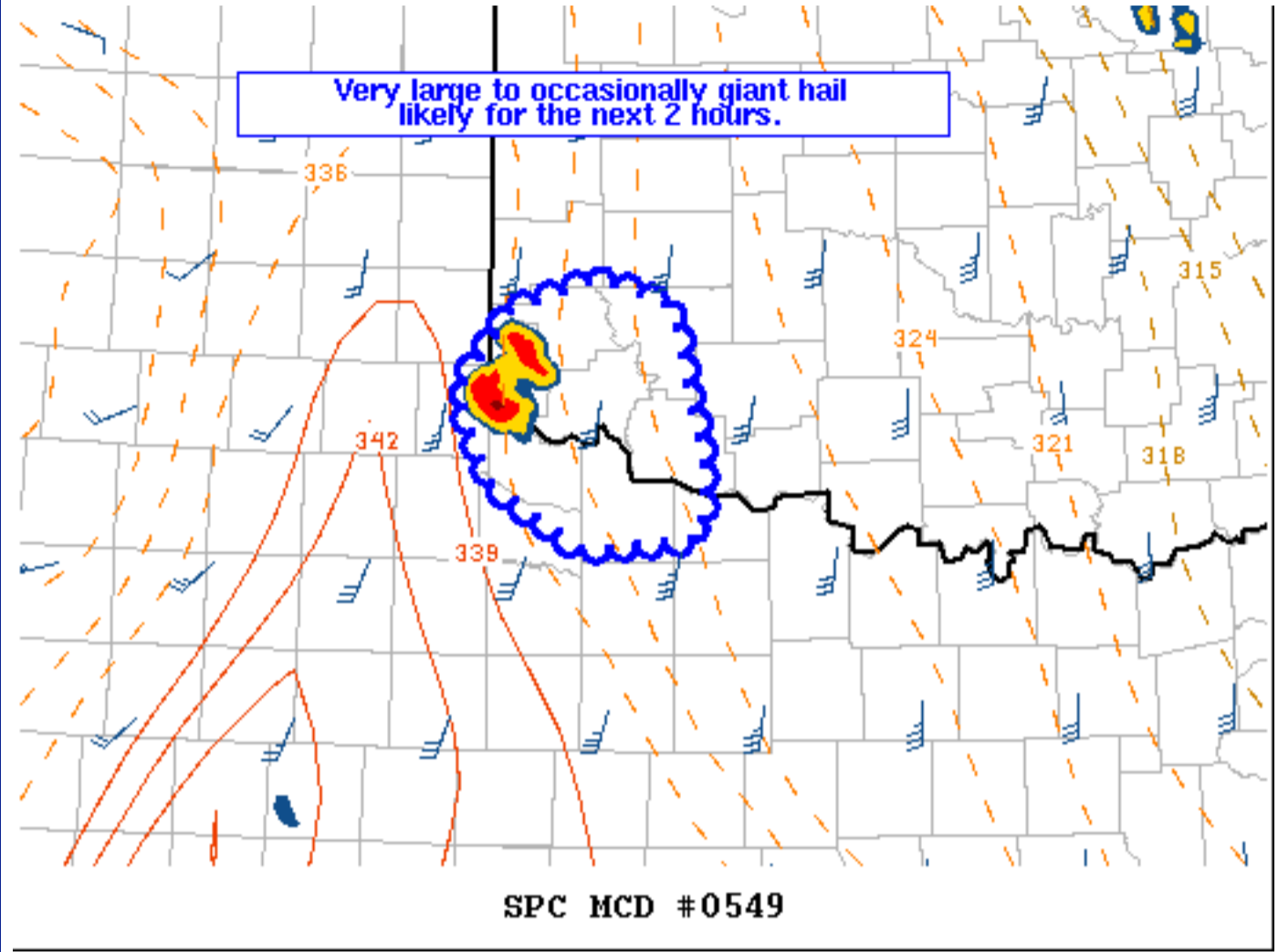
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Mesoscale Discussion 549

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SPC MCD #0549

Mesoscale Discussion 0549
 NWS Storm Prediction Center Norman OK
 0604 PM CDT Thu May 07 2020

Areas affected...Far southwest Oklahoma and west North Texas

Concerning...Severe Thunderstorm Watch [170](#)...

Valid 072304Z - 080000Z

The severe weather threat for Severe Thunderstorm Watch 170 continues.

SUMMARY...Very large to occasionally giant hail likely for the next 2 hours across far southwest Oklahoma and west North Texas.

DISCUSSION...A supercell near Childress has recently split with the left split moving northeastward in southwest Oklahoma. This storm split was well advertised by the NSSL Warn-on-Forecast system while most other short term guidance including the HRRR and HRRR-P suggest storm initiation should just be getting started now. In addition, the WoFS suggests the strongest updraft helicity may occur in the next 1 to 2 hours. Current observations and short-term mesoscale evolution of the environment (strengthening LLJ and northward moisture advection) also support this, indicating that hail even larger than the 3.25" that has been reported so far, may be possible as the supercell further intensifies. The left-mover will likely only persist for another county or two before encountering less buoyant air as it continues northeast.

..Bentley.. 05/07/2020

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

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