



Local forecast by "City, St" or "ZIP"

City, St

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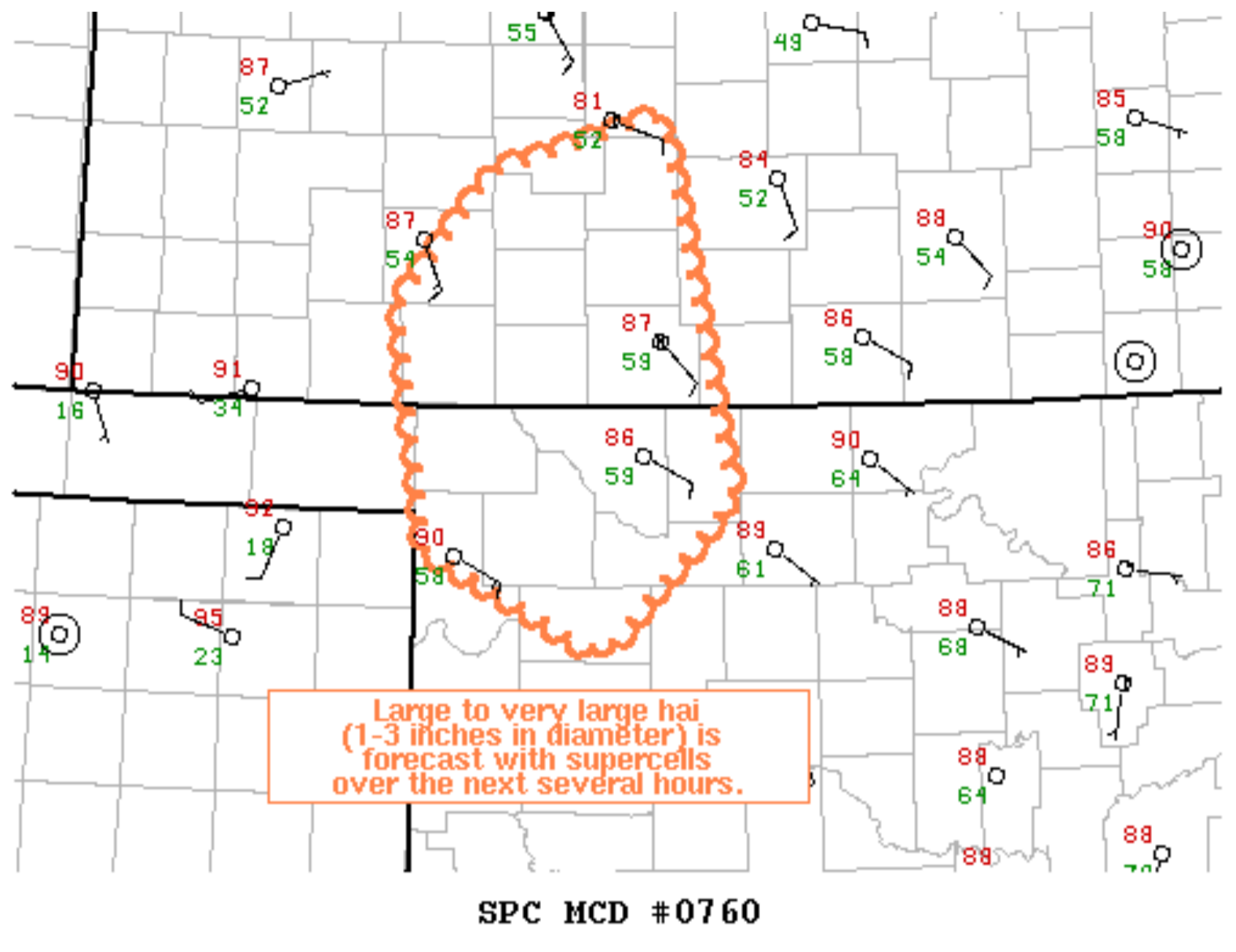
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## Mesoscale Discussion 760

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Mesoscale Discussion 0760  
 NWS Storm Prediction Center Norman OK  
 0606 PM CDT Sat May 14 2022

Areas affected...southwest KS...northwest OK

Concerning...Severe potential...Watch possible

Valid 142306Z - 150000Z

Probability of Watch Issuance...60 percent

SUMMARY...Large to very large hail (1-3 inches in diameter) is forecast with supercells through 9pm.

DISCUSSION...Radar imagery from Dodge City over the past couple of hours has shown a few intense hail-producing supercells. Steep lapse rates from 800-250 mb were noted on the 12z Dodge City raob and a strongly veering wind profile is favorable for optimizing hail-growth via discrete storm mode. Surface analysis indicates richer low-level moisture is present across northwest OK (dewpoints near 60 F) compared to the area near Dodge City (upper 40s to 50 F). Given the larger buoyancy southeast of the existing storms, it seems some continuation or additional storm development in coverage is possible. Widely scattered supercells capable of large to very large hail and isolated severe gusts are possible into the mid evening hours.

..Smith/Hart.. 05/14/2022

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

ATTN...WFO...ICT...OUN...DDC...AMA...

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