

Site
Map

News Organization

Search for: SPC NCEP All NOAA

Go

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

Go

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NCEP Quarterly
Newsletter

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All SPC Forecasts

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Meso. Discussions

Conv. Outlooks

Tstm. Outlooks

Fire Wx Outlooks

RSS Feeds

E-Mail Alerts

Weather Information

Storm Reports

Storm Reports Dev.

NWS Hazards Map

National RADAR

Product Archive

NOAA Weather Radio

Research

Non-op. Products

Forecast Tools

Svr. Tstm. Events

SPC Publications

SPC-NSSL HWT

Education & Outreach

About the SPC

SPC FAQ

About Tornadoes

About Derechos

Video Lecture Series

WCM Page

Enh. Fujita Page

Our History

Public Tours

Misc.

Staff

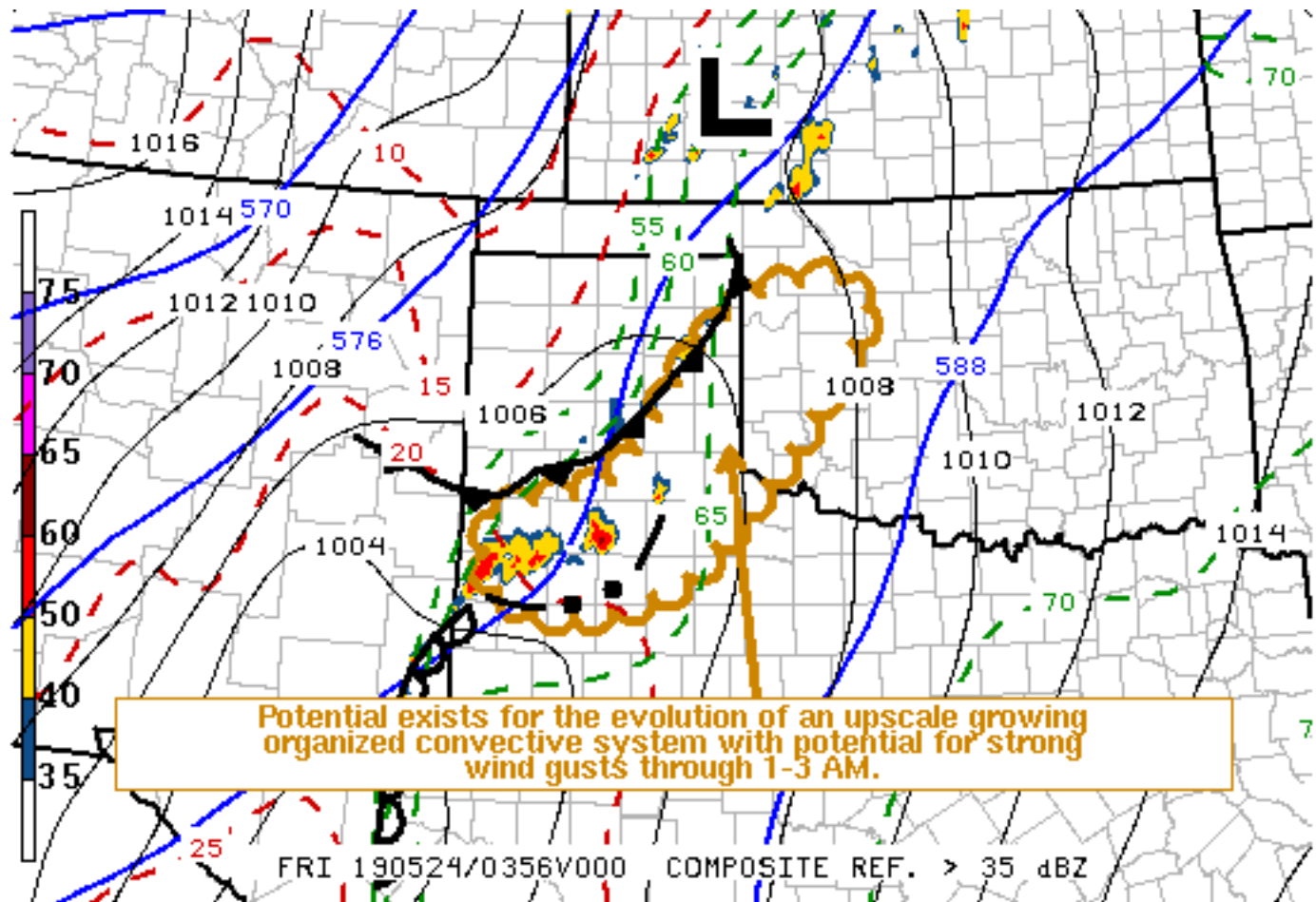
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SPC Feedback

Mesoscale Discussion 764

< Previous MD

Next MD >



SPC MCD #0764

Mesoscale Discussion 0764

NWS Storm Prediction Center Norman OK

1108 PM CDT Thu May 23 2019

Areas affected...Parts of the Texas South Plains/southern and eastern Panhandle into western Oklahoma

Concerning...Severe Thunderstorm Watch [226](#)...

Valid 240408Z - 240545Z

The severe weather threat for Severe Thunderstorm Watch 226 continues.

SUMMARY...The evolution of an increasingly organized convective system accompanied by at least some risk for strong, potentially damaging wind gusts appears possible through 1-3 AM. While it is not yet certain that a new severe weather watch will be needed across parts of western Oklahoma and northwest Texas, trends will continue to be monitored for this possibility.



DISCUSSION...Low-level warm advection above a conglomerate convectively generated surface cold pool is likely contributing to the maintenance of vigorous ongoing convection west through north and northeast of Lubbock. In the presence of moderately large CAPE on the order of 2000 J/kg, this appears likely to persist into the overnight hours with further upscale growth possible. As it does, strong deep layer shear will provide potential for the evolution of an increasingly organized convective system. If this occurs, there probably will be a tendency to propagate northeastward across areas near/northeast of Childress, into western Oklahoma, as 30-50 kt south-southeasterly 850 mb flow across the southern Plains gradually veers to a south-southwesterly component through 06-09Z. And potential for strong surface gusts may increase along the leading edge of the strengthening forward propagating cold pool.

..Kerr.. 05/24/2019

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

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NOAA / National Weather Service
National Centers for Environmental Prediction
Storm Prediction Center
120 David L. Boren Blvd.
Norman, OK 73072 U.S.A.
spc.feedback@noaa.gov
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