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Conv. Outlooks

Tstm. Outlooks

Fire Wx Outlooks

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Storm Reports

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NWS Hazards Map

Watch/Warning Map

National RADAR

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SPC-NSSL HWT

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About Tornadoes

About Derechos

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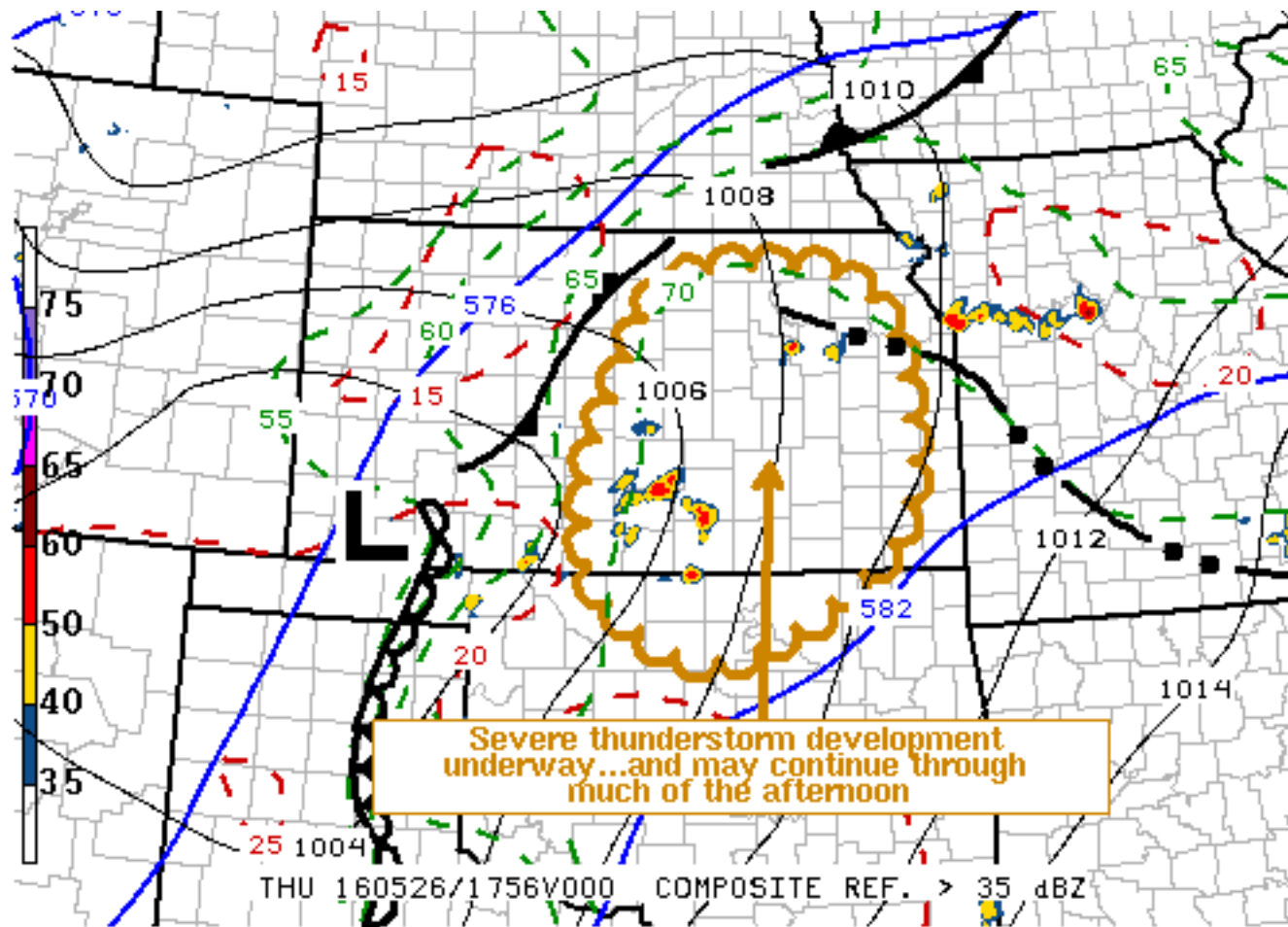
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## Mesoscale Discussion 740

&lt; Previous MD

Next MD &gt;



SPC MCD #0740

MESOSCALE DISCUSSION 0740

NWS STORM PREDICTION CENTER NORMAN OK

0108 PM CDT THU MAY 26 2016

AREAS AFFECTED...N CNTRL OK...CNTRL AND ERN KANSAS

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 261808Z - 262015Z

PROBABILITY OF WATCH ISSUANCE...60 PERCENT

SUMMARY...LONGER TERM SEVERE WEATHER POTENTIAL REMAINS A BIT UNCERTAIN. BUT TRENDS ARE BEING MONITORED FOR A SEVERE WEATHER THREAT THAT COULD REQUIRE A WATCH.

DISCUSSION...IN THE WARM SECTOR OF A DEEPENING SURFACE LOW OVER THE CENTRAL HIGH PLAINS...MID-LEVEL INHIBITION HAS WEAKENED SUFFICIENTLY TO ALLOW FOR INCREASINGLY THUNDERSTORM DEVELOPMENT NEAR THE I-35/135 CORRIDOR OF NORTH CENTRAL OKLAHOMA INTO CENTRAL KANSAS. THIS IS OCCURRING IN THE PRESENCE OF A SEASONABLY MOIST BOUNDARY LAYER...

BENEATH STEEP MID-LEVEL LAPSE RATES WHICH ARE CONTRIBUTING TO  
SIZABLE CAPE.

DEEP LAYER SHEAR ACROSS MUCH OF THIS REGION...EAST OF THE DRYLINE  
...AND SOUTHWEST OF A CONVECTIVE OUTFLOW BOUNDARY ACROSS THE  
MISSOURI VALLEY INTO THE I-70 CORRIDOR OF EASTERN KANSAS...IS RATHER  
MODEST...PARTICULARLY IN LOW-LEVEL. SOME CONCERN EXISTS THAT AFTER  
ONGOING...INITIAL INTENSE CONVECTIVE DEVELOPMENT...SEVERE WEATHER  
POTENTIAL COULD BECOME MITIGATED AS INCREASING OUTFLOW IMPACTS THE  
BOUNDARY LAYER. HOWEVER...THE AFOREMENTIONED OUTFLOW  
BOUNDARY/EFFECTIVE WARM FRONT ACROSS NORTHEASTERN KANSAS COULD STILL  
BECOME A FOCUS FOR ISOLATED SUPERCELL DEVELOPMENT...WITH A RISK FOR  
A TORNADO OR TWO. OTHERWISE...SEVERE HAIL AND LOCALLY STRONG WIND  
GUSTS APPEAR THE PRIMARY THREAT INTO THE 19-21Z TIME FRAME.

..KERR/HART.. 05/26/2016

ATTN...WFO...TSA...TOP...ICT...OUN...GID...DDC...

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