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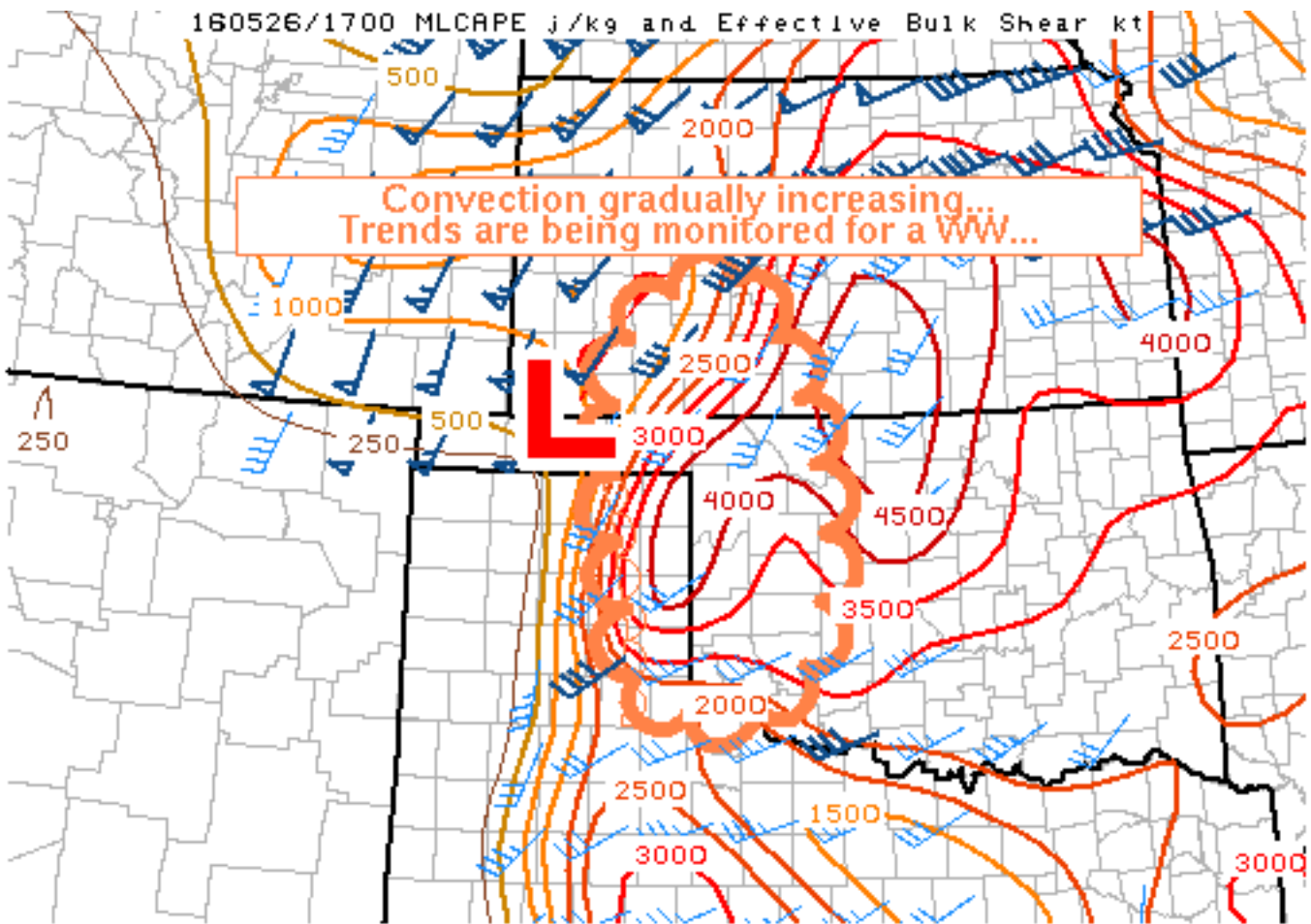
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## Mesoscale Discussion 741

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SPC MCD #0741

MESOSCALE DISCUSSION 0741  
 NWS STORM PREDICTION CENTER NORMAN OK  
 0113 PM CDT THU MAY 26 2016

AREAS AFFECTED...SOUTHWESTERN KANSAS...WESTERN OKLAHOMA...AND THE EASTERN TEXAS PANHANDLE

CONCERNING...SEVERE POTENTIAL...WATCH LIKELY

VALID 261813Z - 262015Z

PROBABILITY OF WATCH ISSUANCE...95 PERCENT

SUMMARY...CONVECTION HAS GRADUALLY INCREASED OVER THE PAST 1-2 HOURS...AND A SEVERE THREAT WILL EVENTUALLY BE ON THE INCREASE. TRENDS ARE BEING MONITORED AND A WATCH WILL BE ISSUED SHORTLY.

DISCUSSION...SATELLITE IMAGERY AND OBJECTIVE ANALYSES INDICATE INCREASING SURFACE BASED CONVECTION OVER THE PAST HOUR...PARTICULARLY IN NORTHWESTERN OKLAHOMA AND ADJACENT AREAS OF SOUTHWEST KANSAS AND THE EASTERN TEXAS PANHANDLE. INSTABILITY IS

VERY STRONG IN THE REGION...WITH MLCAPE EXCEEDING 3000 J/KG SUGGESTIVE OF A HAIL AND DOWNBURST WIND THREAT WITH ANY SUSTAINED ACTIVITY. THE TORNADO THREAT IS NOT PARTICULARLY HIGH AT THIS TIME GIVEN RELATIVELY WEAK LOW-LEVEL SHEAR...BUT SHOULD INCREASE WITH TIME AS LOW-LEVEL FLOW INCREASES LATER THIS AFTERNOON AND INTO THE EVENING. ONE EXCEPTION TO THIS MAY BE ACROSS PORTIONS OF SOUTHWESTERN KANSAS NEAR THE WARM FRONT...WHERE BACKED SURFACE WINDS SUGGEST POTENTIAL FOR LOCALIZED VORTICITY INGEST OF ANY ISOLATED UPDRAFTS IN THIS AREA.

UNCERTAINTY EXISTS WITH REGARD TO THE EVOLUTION OF THIS CONVECTION OVER THE NEXT 1-2 HOURS. GENERALLY...ONGOING CONVECTION SHOULD CONTINUE NORTHEAST THROUGH THE DISCUSSION AREA...WITH REDEVELOPMENT POSSIBLE ALONG THE EASTERN TEXAS PANHANDLE DRYLINE THROUGHOUT THE AFTERNOON. SOME MIXING OF THE BOUNDARY LAYER HAS LESSENED EFFECTIVE INSTABILITY IN THAT AREA...WITH GENERALLY HIGHER-BASED CONVECTION EXPECTED THAT WILL CONTAIN A HAIL/WIND THREAT WITH THE STRONGEST ACTIVITY.

..COOK/HART.. 05/26/2016

ATTN...WFO...OUN...DDC...LUB...AMA...

LAT...LON 34750057 36290086 37180087 37830067 38269991 38269958  
37779911 37059874 36499863 35919854 35389863 34839878  
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Page last modified: May 26, 2016

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