



LakeErieWX

Marine Weather Education and Forecasting Resources

TIME: 1300Z / 8:00 am

Description: SPC Convective Outlook



DAY 1 CONVECTIVE OUTLOOK
NWS SPC NORMAN OK
0800 AM CDT SAT APR 25 2015

VALID 251300Z - 261200Z

THERE IS AN ENH RISK OF SVR TSTMS FROM ERN MO ESE INTO ERN KY/FAR NRN TN

THERE IS A SLGT RISK OF SVR TSTMS SURROUNDING THE ENHD RISK AREA FROM PARTS OF THE MID MS VLY SSE TO THE CNTRL/ERN GULF CST AND THE CAROLINAS

THERE IS A MRGL RISK OF SVR TSTMS SURROUNDING THE ABOVE AREAS FROM PARTS OF E TX TO THE SRN APPALACHIANS AND NC

SUMMARY

SCATTERED SEVERE THUNDERSTORMS WILL OCCUR TODAY INTO TONIGHT FROM SOUTHEAST TEXAS ACROSS THE LOWER MISSISSIPPI VALLEY AND CENTRAL GULF COAST INTO NORTHERN FLORIDA AND THE CAROLINAS. OTHER SEVERE STORMS MAY OCCUR FROM EASTERN MISSOURI EAST-SOUTHEAST INTO PARTS OF KENTUCKY AND TENNESSEE. THE STORMS COULD INCLUDE A FEW TORNADOES IN ADDITION TO LARGE HAIL AND LOCALLY DAMAGING WIND.

SYNOPSIS

KS-MO SHORTWAVE TROUGH EXPECTED TO SHEAR ESE INTO THE LWR OH VLY THIS EVE AND ACROSS THE CNTRL-SRN APPALACHIANS EARLY SUN AS IT BECOMES ABSORBED WITHIN CONFLUENT FLOW ON THE SW SIDE OF QSTNRY LOW/TROUGH CENTERED OVER NS. IN THE MEAN TIME FLOW ALOFT WILL BACK OVER THE RCKYS DOWNSTREAM FROM SLOWLY-PROGRESSIVE AMPLIFYING TROUGH ALONG THE W CST.

AT THE SFC LOW ASSOCIATED WITH THE KS-MO SYSTEM SHOULD ELONGATE ESE ACROSS ERN MO SRN IL AND WRN/SRN KY LATER TODAY BEFORE RE-FORMING EWD OFF THE NC CST EARLY SUN. STRENGTHENING WSWLY LOW-LVL FLOW S OF THE LOW WILL SUPPORT AT LEAST A MODEST ENE ADVANCE OF MARITIME TROPICAL AIR ACROSS PARTS OF AL GA AND SC THROUGH THIS EVE. WEAK FRONT/WIND SHIFT TRAILING SW FROM THE LOW SHOULD FURTHER WEAKEN OVER THE CNTRL GULF CST REGION WHILE A NEW COOL AIR SURGE SETTLES S ACROSS THE CNTRL PLNS AND OZARKS IN THE WAKE OF THE LOW.

SE TX/LWR MS VLY/GULF CST TO CAROLINAS TODAY/TNGT
SEVERAL ROUNDS OF SCTD STRONG TO SVR TSTMS ARE EXPECTED TODAY AS SFC HEATING FURTHER DESTABILIZES CORRIDOR ALONG STALLED OUTFLOW BOUNDARY/WEAK CONFLUENCE ZONE OVER PARTS OF THE SOUTH ATTM EXTENDING ENE FROM SE TX INTO SRN MS/AL. WHILE THE STRONGEST DEEP WSWLY FLOW ROUNDING BASE OF MO UPR TROUGH WILL REMAIN N OF THE REGION AMPLE /40-50 KT/ 700-500 MB FLOW WILL EXIST TO SUPPORT SUSTAINED/ORGANIZED STORMS. AND ALTHOUGH LARGE-SCALE FORCING FOR ASCENT WILL BE WEAK TRAILING UPR IMPULSE NOW OVER E TX WILL PROVIDE SOME DEGREE OF LIFT AT LEAST DURING THE FIRST HALF OF THE PERIOD. OVERALL SETUP WITH RICH MOISTURE/STEEP MID-LVL LAPSE RATES /PER 12Z AREA SOUNDINGS/ AND LOW-LVL UPLIFT ALONG OUTFLOW BOUNDARY SHOULD BE SUFFICIENT FOR OCCASIONAL SUPERCELLS AND BOWING STRUCTURES. THESE MAY YIELD DMGG GUSTS SVR HAIL AND PERHAPS A COUPLE TORNADOES. IN THE NEAR TERM A FEW SVR STORMS WILL ALSO TRACK GENERALLY E OR ENE ALONG RESIDUAL WARM FRONTAL SEGMENT OVER NRN FL/S GA POSSIBLY WITH AN INCREASING SVR RISK /REF MCD 451/. LATER TODAY MORE ISOLD SVR STORMS MAY FORM ALONG WEAKENING COLD FRONT/WIND SHIFT CROSSING NRN PARTS OF MS AL AND ERN TN.