

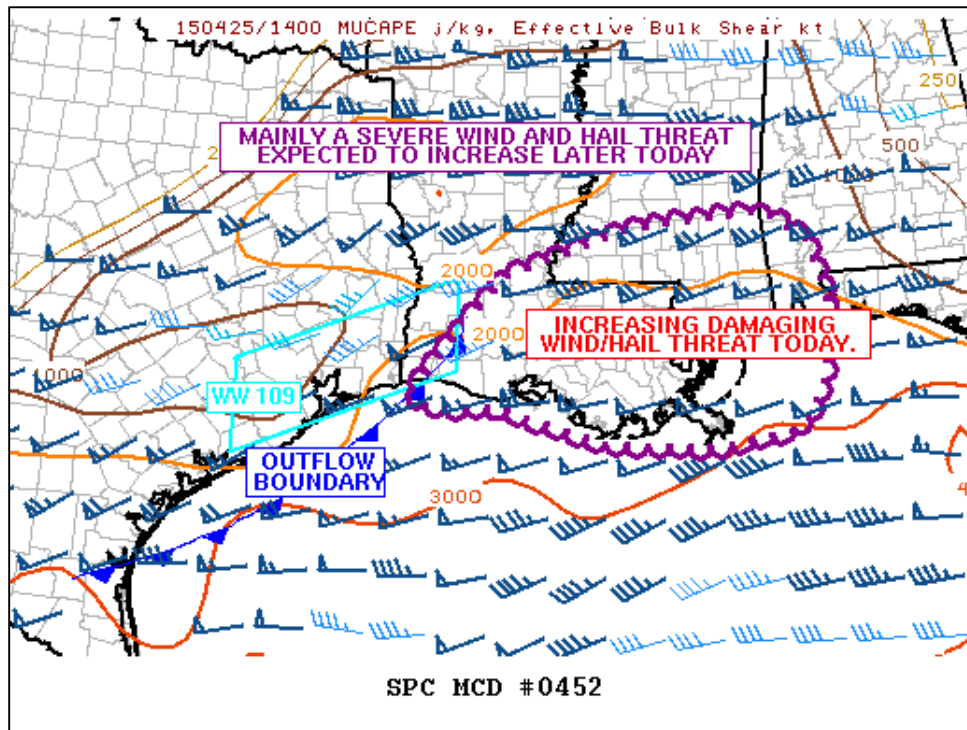


LakeErieWX

Marine Weather Education and Forecasting Resources

Time: 1435Z / 09:35am

Description: SPC Mesoscale Discussion #452



MESOSCALE DISCUSSION 0452
NWS SPC NORMAN OK
0935 AM CDT SAT APR 25 2015

AREAS AFFECTED SERN TX INTO LA AND SRN MS

CONCERNING SEVERE THUNDERSTORM WATCH 109

VALID 251435Z - 251630Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 109 CONTINUES.

SUMMARY THE SEVERE THREAT IS MOVING MOSTLY OFFSHORE THE UPPER TX COAST THIS MORNING WITH A DEVELOPING THREAT ACROSS MUCH OF SRN LA INTO SRN MS LATER TODAY. THE PRIMARY SEVERE THREATS ARE DAMAGING WIND AND LARGE HAIL AND ANOTHER WATCH IS LIKELY DOWNSTREAM ACROSS LA AND MS.

DISCUSSION CLUSTERS OF STRONG TO SEVERE STORMS CONTINUE TO MOVE RAPIDLY EWD ACROSS SERN TX INTO SWRN LA WITH LEADING OUTFLOW BOUNDARY. WHILE SOME CELLS MAY BE CAPABLE OF HAIL OVER SERN TX BEHIND THIS BOUNDARY OVERALL THE SEVERE THREAT IS DECREASING.

THE MAIN SEVERE THREAT IS EXPECTED TO DEVELOP AHEAD OF THE OUTFLOW BOUNDARY FROM SRN LA INTO SRN MS/AL WHERE HEATING WILL LEAD TO ADDITIONAL DESTABILIZATION WITH AMPLE MOISTURE AND DEEP-LAYER SHEAR/FLOW IN PLACE. THE STRONG MEAN-LAYER FLOW AND RELATIVELY STEEP LAPSE RATES ALOFT GIVEN THE MOIST AIR MASS WILL FAVOR BOTH DAMAGING WINDS AND LARGE/DAMAGING HAIL. THIS ACTIVITY WILL LIKELY EVOLVE OUT OF THE ACTIVITY OVER SWRN LA AND JUST OFFSHORE.

ATTN WFO MOB JAN LIX LCH

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