

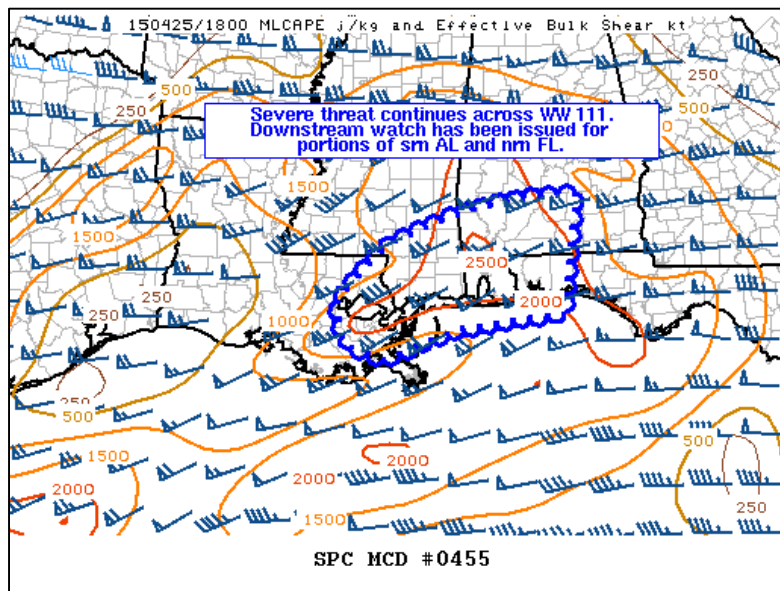


LakeErieWX

Marine Weather Education and Forecasting Resources

Time: 1850Z /1:50 pm

Description: SPC Mesoscale Discussion #455



MESOSCALE DISCUSSION 0455
NWS SPC NORMAN OK
0150 PM CDT SAT APR 25 2015

AREAS AFFECTED PORTIONS OF SERN LA SRN MS SRN AL AND NRN FL

CONCERNING SEVERE THUNDERSTORM WATCH 111

VALID 251850Z - 252015Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 111 CONTINUES.

SUMMARY

A CLUSTER OF THUNDERSTORMS OVER SERN LA WILL CONTINUE MOVING EAST/NORTHEASTWARD OVER THE NEXT SEVERAL HOURS WHILE POSING A RISK FOR DAMAGING WINDS AND LARGE HAIL. A DOWNSTREAM SEVERE THUNDERSTORM WATCH HAS BEEN ISSUED FOR PORTIONS OF SRN AL/NRN FL.

DISCUSSION

RECENT RADAR TRENDS CONCERNING CONVECTION ACROSS SERN LA SUGGEST STRONG TO OCCASIONALLY SEVERE WINDS WILL CONTINUE EWD ACROSS SRN MS OVER THE NEXT HOUR OR SO. ISOLATED SUPERCELL DEVELOPMENT AHEAD OF THE MAIN CLUSTER OF STORMS NOW OVER/JUST N OF

NEW ORLEANS WILL ALSO POSE A LARGE HAIL/DAMAGING WIND RISK. AS TEMPERATURES HAVE WARMED INTO THE LOWER 80S ACROSS SRN MS/AL MLCAPE HAS INCREASED TO AROUND 2000 J/KG. SWLY WINDS INCREASING WITH HEIGHT ASSOCIATED WITH A MID TO UPPER LEVEL JET STREAK ARE CONTRIBUTING TO GENERALLY 50-60 KT OF EFFECTIVE SHEAR. GIVEN THAT THIS FAVORABLE THERMODYNAMIC/KINEMATIC ENVIRONMENT IS EXPECTED TO PERSIST THROUGH AT LEAST THE EARLY EVENING A NEW SEVERE THUNDERSTORM WATCH HAS BEEN ISSUED FOR PORTIONS OF SRN AL AND NRN FL. THE TORNADO THREAT ACROSS THIS REGION REMAINS LOW GIVEN LARGELY UNIDIRECTIONAL LOW-LEVEL FLOW EVIDENT ON AREA VWPS.

ATTN WFO MOB JAN LIX

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