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The first superoutburst of the ultracompact white dwarf binary SDSS J141118.31+481257.6 LILIANA RIVERA SANDOVAL, THOMAS MACCARONE, Texas Tech University — SDSS J141118.31+481257.6 is an ultracompact white dwarf binary (or AM CVn system) with an orbital period of 46 min. The first ever recorded superoutburst of the system took place after at least 13 yr of quiescence and it showed the largest luminosity amplitude ever discovered in any AM CVn. We will discuss the behavior of the binary at different bands and we will also discuss the importance of AM CVn studies in the context of the superoutburst duration versus orbital period relation.

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