Comparing weather radar images and density field of lightning occurrences for severe convective events

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ABSTRACT: This work provides a brief discussion about the comparison between CAPPI weather radar images and the corresponding fields of density of occurrence of cloud-to-ground lightning generated by the the software tool EDDA. It is possible to correlate the precipitating structures observed in the radar images to the denser areas in the density field of occurrence. Such density fields were already employed as a mean for monitoring convective events in areas that are not covered by weather radars.

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