

Review of « Technical note : On the ice microphysics of isolated thunderstorms and non-thunderstorms in southern China : A radar polarimetric perspective » by Zhao et al.

The authors have provided pertinent responses to my comments. In particular, the innovative aspect of this study compared with previous ones is now discussed and justified. I also appreciated the inclusion of a discussion of the delay between the detection of the first radar volume and the first flash as seen by the 3 lightning detection networks, and about the characteristics of the lightning sources for the first lightning flash.

Below are a few minor points to be corrected. A detailed re-reading of the manuscript is still necessary.

Specific comments

lines 67-68 : natural lightning flashes are not defined as intracloud and cloud-to-ground ; they can be categorized as intranuage or cloud-to-ground.

Line 73 : aadition → addition

lines 77-79 : remove « the aerosol... in cloud electrification » ; this sentence makes no sense here.

Lines 82-86 : make two sentences

line 113 : do you mean « polarimetric radar is the best observation system for tracking ... » ?

lines 152-156 : make two sentences

line 168 : remove « regarding »

line 188-189 : the black circle indicates a distance of 70 km from the centre of the LFEDA network

line 265-269 : this sentence is not clear. Please rephrase this sentence.

Figure 2 : most of the time, the time of the first flash occurrence in the LFEDA and ENLLS datasets are the same. However, for some thunderstorms, the delay between the first flash detection with these two systems can reach 20 min. How can you explain this fact ?

Lines 481-482 : please explain this statement.

Lines 481-484 : make two sentences

Figure 6a : « Altitude (km above AGL) » → « Altitude (km AGL) »