

REVIEW REPORT

Review of amt-2019-51-manuscript-version4

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Manuscript Title – Estimating raindrop size distributions using microwave link measurements

MINOR COMMENTS

In my opinion the Authors have addressed all my concerns/question improving the quality of the manuscript. I suggest minor revision before the publication. The main revision regard several sentence within the text that probably refer to the figures reported in the previous version of the manuscript and therefore describe something that is not shown in the referred Figure. It can be solved modifying the sentence or adding (*not shown*) in the text. The latter happen at:

- Page 12 3rd line: “The temporal evolution....”
- Page 12 last 3 lines: “The retrieval gives an”
- Page 15 “Furthermore, fort both the retrieval methods,....”
- Page 22 “The resulting DSD is very similar....”
- Page 27 1st line: the list of the Figure is wrong and all the sentences until the end of the Section need to be checked.

Please check if there are other sentences in similar conditions that I did not notice within all the manuscript.

Below some few suggestion:

- Page 8 last paragraph: “....(as shown in Fig??)....”
- Page 10, line n. 5: please quantify "significantly". Which is the allowed differences between retrieved and TS96 parameters to consider that the gamma distribution is not a good fit?
- Page 10, line 6: please quantify "significantly"
- Page 10, lines 7-8: Which is the number of time that the measured DSD deviate significantly from the TS96 DSD? Which is the number of time that the estimated DSD deviate significantly from the measured DSD? Please add this information
- Table 2 (and all the tables that report the same statistics) : For sake of simplicity please add the unit. fail is a percentage?