

Comment on amt-2021-2

The authors addressed almost all of my questions and remarks accordingly.

There is one question/remark which still needs an answer and there are two smaller (technical) issues.

Considering my comment on **p. 17, l. 400 (version from August) What is meant with "retrieval uncertainty" and how do you estimate it?**

Author response:

The retrieval uncertainty is created by different retrieval algorithms associated with the retrieved quantities, and we indicate in lines 420-421.

The authors explained what the retrieval uncertainty but they still did not explained how do they estimate it.

Smaller issues:

Figure 3 (p.8): "Integrated water content for ice and snow particles for the selected latitudinal transect and the corresponding brightness temperature..." Caption is inconsistent with figure.

Figure 14 (p. 26): The unit for the PDF (y-axis) still seems to be missing.