

**Editor decision: Publish subject to minor revisions (review by editor)**

**Public justification (visible to the public if the article is accepted and published):**

Please revise the manuscript based on the reviewers' comments, and also update the verb tense throughout the text — for example, change “simulations were conducted” to “simulations are conducted.” I noticed this type of error on pages 1, 2, 5, 6, 7, 10, 11, 12, 14, 16, and 20.

Reviewer's comments were addressed and the verb tense has been changed.

Also new citations were added in line 41 and line 50.

Anonymous Referee #4

I am happy to see that the authors responded thoroughly to the previously raised objections. I have only two minor comments, but no major issues remain. As such, I believe the manuscript is suitable for publication in *Atmospheric Measurement Techniques*, after addressing the minor comments below.

We thank the reviewer for their positive evaluation of our revised manuscript and for recognizing the improvements made in response to the previous comments. We appreciate the careful reading and constructive feedback provided throughout the review process. Below, we address the remaining comments and describe the corresponding revisions implemented in the manuscript.

Figure 1: The y-axis label of the left panel is not visible.

Thanks for noticing it, now it is visible.

Line 313: A citation supporting the known tendency of the scheme to overestimate snowfall (e.g., Jankov et al., 2009, as referenced later in line 337) should be provided here. Additionally, I recommend moving this sentence to line 305, where it would offer useful context for the comparison between the Thompson scheme and the others.

The citation was moved also to line 305, and sentence in line 313 was deleted since it is already mentioned in line 305 and 337.