

Response to Editor

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1 General comment

First of all, we thank the editor for the helpful comments and suggestions. This document contains our responses to the editor's comments. **The original editor's comments are in blue**, our response is written in black. We list the editor comments below together with our responses.

1. Reorganize the contents of last two sections (5 Discussion and 6. Outlook). They can still be in two sections, named 5. Discussion and 6. Conclusions, respectively; or they can be merged into one section, named Discussion and conclusions. Please note that in concluding section ("Conclusions" or "Discussion and conclusions"), the following aspects are required to include: Summary: Summarize the main results and relate them to the objectives, questions, or hypotheses of the study. The summary should include the main quantitative results. Synthesis/interpretation: Explain and interpret the results concisely to enable readers to make sense of them as a whole. Comparison and context: Compare the results with previous studies to put them in context. Explain consistencies, inconsistencies, and advances in knowledge. Caveats and limitations: State how these affect confidence in the overall results, and where future work is needed. Implications: Discuss what the results mean for our understanding of the state and/or behaviour of the atmosphere and climate, which is the main requirement for publication in ACP.

The last two sections have been reorganized as per your recommendation.

2. Renumer figures in the Appendix by using Figure A1, Figure A2, Figure A3... and formulas by using (A1), (A2), (A3) and etc.

We are unsure if this is a misunderstanding: the Appendix was already in the correct format. The supplement was not, and has been corrected.

3. Add a section, 'Financial support', after 'Acknowledges' and move the statements about projects in the Acknowledges to it.

A statement about the financial support has been added.