

## Response to editor and reviewer's comments

Thank editor and reviewers very much again. Our responses to the comments are presented in blue. Minor revisions associated with the comments are marked with same color in the manuscript. In addition, we revised the formats of some references according to the ACP's word reference template. Since there are too many minor modifications in the references, they are not marked.

### Comments to the Author:

Based on the referees suggestions, I accept the paper now after minor revisions. Please consider the last points the referees raised, then the paper can be published in ACP.

I have one further point from my side. I saw another paper where data analyzes based on the same data set are presented:

J Huo, C Han, M Duan, X Wu, Y Bi, Y Tian: Particle reflectivity and movements in cirrus clouds over Beijing from four years of Ka radar measurements, Atmospheric Research, <https://doi.org/10.1016/j.atmosres.2020.105211>, available online 22 August, in Press, Journal Pre-proof, 2020.

In this paper it is stated that it is an extension of the ACPD manuscript. So I think the Atmospheric Research paper should be referenced in the ACPD paper and suggest to discuss and compare the ACPD results to that of the Atmospheric Research paper, maybe in a short extra section at the end of the manuscript.

Thank the referee. We added some sentences about our work accepted by the Atmospheric Research at the end of the manuscript.