

# ***Interactive comment on “Droplet vertical sizing in warm clouds using passive optical measurements from a satellite” by A. Kokhanovsky and V. V. Rozanov***

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The authors are grateful to a reviewer for useful hints to improve the presentation. Our answer is given below. 1. The discussion of limitations of the method was extended in the new version of the paper. The case of the inverse linear profile was considered as well. 2. It was suggested to change the title. However, we do not like to make a longer title. So we keep the previous title. 3. As suggested by the reviewer, we avoid acronyms in the new version of the paper. 4. The question of notation is a difficult one. The notation is not the same in different communities. We prefer to use the

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notation used in our previous papers. 5. Abstract was extended. 6. The equations from the Appendix are of no interest for most of readers. So we like to keep them in the Appendix. 7. The paragraphs on p.5612 and p.5616 were clarified and improved.

Minor and technical issues have been taken into account in the new version of the paper. The derivation of Eq. (15) is given in Appendix.

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