

Atmos. Meas. Tech. Discuss., referee comment RC2
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Comment on amt-2022-74

Anonymous Referee #2

Referee comment on "A new method for calculating average visibility from the relationship between extinction coefficient and visibility" by Zefeng Zhang et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2022-74-RC2>, 2022

Major comments

This study claims to provide correct algorithm for calculating average visibility. The authors also argued that the methods used in previous studies were not correct.

First of all, I don't agree with the title of the paper. Saying "Average visibility that has been miscalculated" is completely wrong. There is no evidence that previous studies miscalculated visibility, so the paper's title is misleading. I agree with reviewer 1, making the claim that this study provides a correct method is not appropriate, while it may be one of the methods to calculate visibility.

The message of the current manuscript is misleading, therefore it should not be considered for publication. The authors should rewrite the manuscript by proposing their algorithm as one of the methods of calculating visibility. However, again it is a question of how reliable the proposed method is. If the authors take the issue raised carefully and resubmit the manuscript, I can review it again for any possibility of publication in the AMT.