

***Interactive comment on “Constraining the relationships between aerosol height, aerosol optical depth and total column trace gas measurements using remote sensing and models” by Shuo Wang et al.***

**Shuo Wang et al.**

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Dear Editor, Reviewer 1, and Reviewer 2:

Thank you for taking the time to provide all of your meaningful and insightful comments and suggestions. We have taken them all into serious consideration and have strived to work hard to address them all. In this response, your original comments are completely unedited and are given in yellow highlight, our responses are given in blue highlight and updates to the paper are given in green highlight. We respond to Reviewer 1 first in

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full, and then respond to Reviewer 2 in full. If answers are given above to a previous question, we may refer the reader to “see above” or something similar. Thank you again for your time and deep insights!

The full response is given in the .pdf document attached

Please also note the supplement to this comment:

<https://www.atmos-chem-phys-discuss.net/acp-2019-1017/acp-2019-1017-AC1-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-1017>, 2020.

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