

Atmos. Meas. Tech. Discuss., referee comment RC1
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Good description of updated ozone profile dataset

Anonymous Referee #1

Referee comment on "Updated merged SAGE-CCI-OMPS+ dataset for the evaluation of ozone trends in the stratosphere" by Viktoria F. Sofieva et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2022-313-RC1>, 2022

This is a good and comprehensive description of an updated ozone profile data set, generated by merging all major relevant single satellite instrument data sets. The paper shows the small changes arising from using slightly different combinations and/or versions. The provided results are very plausible, and the changes in derived ozone trends are minor and consistent with previous knowledge.

The presentation is clear, but the English could be improved / copy-edited.

There is a minor glitch in the title of the bottom panel of Fig. 10. Should be $0.5 \cdot (\text{OMPS UBr} + \text{OMPS USask})$.

I think this is a good paper for AMT and can be published as is.