

Atmos. Meas. Tech. Discuss., referee comment RC1
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Comment on amt-2022-212

Giovanni Muscari (Referee)

Referee comment on "Harmonized retrieval of middle atmospheric ozone from two microwave radiometers in Switzerland" by Eric Sauvageat et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2022-212-RC1>, 2022

The paper is well written and describes two important middle atmospheric ozone time series which need to be reconciled in order to understand whether they can be useful for estimating long-term ozone trends. As the authors state, more work needs to be done in order to fully establish their long term stability but I think the paper successfully proves that the two time series are extremely valuable and they are worth additional efforts to resolve the few discrepancies left. This manuscript shows the accuracy and care for the smallest details that are required when dealing with long time series and their use for monitoring small long term trends.

This manuscript should be published and I think AMT is the correct journal where it should appear. In what follows I suggest very minor revisions which might slightly improve the manuscript.

Specific comments and few grammatical suggestions are inserted in the attached manuscript pdf.

Please also note the supplement to this comment:

<https://amt.copernicus.org/preprints/amt-2022-212/amt-2022-212-RC1-supplement.pdf>