

Interactive comment on “Accuracy, precision, and temperature dependence of Pandora total ozone measurements estimated from a comparison with the Brewer triad in Toronto” by Xiaoyi Zhao et al.

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Referee#2: The paper gives excellent information on the performance of the relatively new Pandora instruments. The comparison with the Brewer instruments shows a dependence on the effective ozone temperature. The size of is correction is determined from statistics of the comparison. It should be very instructive if the comparison could also be done with the use of the real effective ozone temperature in the Pandora retrieval, to know if the statistics fits with the physical facts.

We appreciate the remark and suggestion from referee #2. We agree that retrieving the effective ozone temperature directly from Pandora measurements will be important

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and useful. We included more details about this on p.16 lines 16-18.

The Pandora research group is working on that project, and we are also looking to make further comparisons between the model-calculated effective temperature and that retrieved from the measurements. So we hope the present work will also help the evaluation of the future Pandora effective ozone temperature retrieval scheme.

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