

Interactive comment on “Error budget analysis of SCIAMACHY limb ozone profile retrievals using the SCIATRAN model” by N. Rahpoe et al.

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Dear Anonymous Referee #1,

we would like to thank for your detailed and excellent comments of the article. The editorial comments/suggestions will be fully considered and implemented in the revised version. Your points regarding the references to Loughman et al. are fairly understandable, and we will put more emphasis on this in the revised version. Including additional parameters like polarization effects, stray light issue and instrumental errors are outside the scope of this paper (no data available) and should rather be implemented in a different and updated study in future. But we will provide a discussion on the underestimation of the error budget by neglecting these parameters.

C1638

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PS: The last sentence of the paragraph 'Special Issues' is not complete on page C1611: 'Also in the Conlcusions, on line 15 (Page13), you refer to 4'

I guess the second part of the sentence is missing.

Interactive comment on Atmos. Meas. Tech. Discuss., 6, 4645, 2013.

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