

Interactive  
Comment

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

**Anonymous Referee #1**

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A portion of my original review was deleted by accident. Here is the missing text.

Also, in the Conclusions, on line 15 (page 13), you refer to 4% errors from tangent height, clouds, and pressure, whereas tangent height can produce 7 or 8% errors (max) according to Figs. 5 and 7; clouds also can lead to > 5% errors at least in the tropics. . . Is it not also true that clouds will completely negate retrievals at some point, or below them? More mention of this could/should be made. The 4% value does not seem to be the right number (for tropics) and it is not clear if it refers to each component or the sum of these, the way you worded this. Please clarify this for the conclusions (this should also agree with the Abstract, which seems more accurate).

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

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