

## ***Interactive comment on “Solar occultation with SCIAMACHY: algorithm description and first validation” by J. Meyer et al.***

**J. Meyer et al.**

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We thank the referee for his comment on our paper.

*... it is a report of work in progress and there are so many loose ends in it ... The ACP community will only be interested in the final version of the algorithm which will produce data that they may use.*

We see the number of loose ends more or less as a result of science per se and not as a special problem of our paper. We have presented an algorithm, which provides vertical profiles of O<sub>3</sub> and NO<sub>2</sub> and these have been verified and validated by comparison. We therefore do not agree with the unspecified and rather general comment. Our algorithm provides O<sub>3</sub> and NO<sub>2</sub> profiles of value for atmospheric research and in this manuscript

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we have explained how this is achieved. We think that this is of value for the ACP community who will use the algorithm and the profiles.

*... Overall, I do not think that this paper will be of interest to the wider atmospheric science community which ACP serves...*

The referee is of the opinion that the ACP readership may not be so interested in this manuscript as the remote sensing community. We consider that there is a significant interest in SCIAMACHY and the retrievals among the ACP readership.

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Interactive comment on Atmos. Chem. Phys. Discuss., 5, 17, 2005.

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