

Interactive comment on “Validation of SCIAMACHY top-of-atmosphere reflectance for aerosol remote sensing using MERIS L1 data” by W. von Hoyningen-Huene et al.

Anonymous Referee #2

Received and published: 13 March 2006

As more a user of AOT data, then an expert in retrieval and radiation, I have only limited comments to this paper. The paper is certainly a useful contribution in the attempt to arrive at accurate AOT data from Scia. I wonder whether the results in Fig 8 can be used to derive a first estimate of the to be expected uncertainty in the AOT's. A remark is made that a good cloud screening is not available yet. Is this the main contribution to the uncertainty, and in which way could the cloud screening be improved?

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 673, 2006.

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Discussion Paper