

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.

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Cloud screening for the scene size of SCIAMACHY is really a serious problem, especially for the purpose of aerosol remote sensing. In the case of this paper, we used the MERIS scene. There clouds have been detected by a radiance boarder for the channels 2,3 and 4 (0.443, 0.490, 0.510 μm). The number of cloudy MERIS scenes, within one SCIAMACHY scene has been used for the determination of cloud fraction. For the comparisons cloud fraction smaller 1 % have been used.

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

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