

Interactive comment on “Overview of SCIAMACHY validation: 2002–2004” by A. J. M. Piters et al.

Anonymous Referee #2

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General comments

This paper gives a in-depth overview of the status of the geophysical validation activities performed during the first 3 years of operation of the SCIAMACHY instrument onboard the ENVISAT satellite. This paper is an essential introduction to all published or still to be published papers related to the use of SCIAMACHY data. The setup of the validation activities shows a well-defined programme, which was carried out within the usual organisational and budgetary constraints. The presentation of results from the validation analyses in the paper is limited to a summary of the results presented in other papers. This is quite acceptable for an overview paper. The information about the relevant processor version used for validation is essential and I would like to suggest including this information also in the individual validation papers.

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Specific comments

The abstract reads more like a summary, the information about the results are missing in the abstract. Although the information given about the processor versions is essential, the added value of figures 7 and 8 is not clear. Most of the validation results presented are based on the two latest processor versions (NRT 5.04 and OL 2.5) or on "scientific". For the "scientific" processors the used version is not always indicated, which makes its traceability more difficult. If possible an indication for those processors should be added (including institute and version)

Technical comments

Already given by another referee

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 7769, 2005.

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