

Interactive comment on “Bias determination and precision validation of ozone profiles from MIPAS-Envisat retrieved with the IMK-IAA processor” by T. Steck et al.

T. Steck et al.

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We thank referee 2 for his/her helpful and comprehensive comments. With respect to his/her suggestions we will perform the following changes:

Reply to the general comments:

1) We agree that there exists many other instruments which can be used for comparison and that we have a slight bias towards northern latitudes, since there are much more measurements available. However, Table 1 shows that we also cover tropical and

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southern latitude regions for non-satellite comparison.

2) A discussion on how water vapor influences the ozone retrieval will be added to the section on MIPAS error budget.

Reply to the specific comments:

1) 'increases' will be replaced by 'degrades'.

2) The top-lines of figures are small in the case when the figure consists of 5 plots in one column. The zoom functionality of the pdf-viewer should help.

3) Volume mixing ratios will be introduced in the caption of Fig. 1.

4) This will be changed accordingly.

5) For characterization of latitude and longitude we will change to S or N and E or W.

6) This will be changed in Fig. 5 accordingly.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 4427, 2007.

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