

Interactive
Comment

Interactive comment on “Technical Note: Intercomparison of ILAS-II version 2 and 1.4 trace species with MIPAS-B measurements” by G. Wetzel et al.

G. Wetzel et al.

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First of all we thank the referee for his effort to carefully reading the manuscript and for all comments.

Specific comment:

Water vapour comparison: at the end of page 16233, the authors should discuss a little bit more about the persistence of the negative bias below 21 km when using version 2 of ILAS. What are the possible reasons that could explain this feature?

In the paper by Griesfeller et al. (Atmos. Chem. Phys. Discuss., 7, 9319-9365, 2007) ILAS-II version 1.4 and version 2 data are compared to MIPAS-ENVISAT results. Here,

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Figures 1 and 2 show increased (northern hemispheric) H₂O values from version 1.4 to version 2 even below 21 km due mainly to the transmittance correction. Although the correction was also applied for pre-operational measurements (March 2003), it might be not adequate for those measurements. We mention this issue in the text now.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 16227, 2007.

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