

Interactive comment on “Ice supersaturation as seen from TOVS” by K. Gierens et al.

K. Gierens et al.

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Reply to the comments of Reviewer 1

1. There are several sources of errors in the UTH–radiance relationship, see Sect. 5.4 of Jackson and Bates (JB, 2001). For both the error that originates from the scatter in the UTH–radiance relationship and for the error shown in Fig. 13 of JB the error of U increases with decreasing brightness temperature. If we understand the word “sensitivity” as $|dU/dT_b|$ (as in JB) then the sensitivity *increases* with decreasing brightness temperature. In our paper we have used “sensitivity” in that sense.

2. This is a good point. We have added one paragraph in the Conclusions section, before the last par.

Ad last comment: We agree :-)

Interactive comment on Atmos. Chem. Phys. Discuss., 4, 299, 2004.