

Interactive comment on “Validation of ACE-FTS v2.2 measurements of HCl, HF, CCl₃F and CCl₂F₂ using space-, balloon- and ground-based instrument observations” by E. Mahieu et al.

E. Mahieu et al.

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[RC]. As an addendum to my previous comments, the paper should contain a formal error budget for the individual retrievals. How do errors in the pointing, temperature, SNR, fitting, interfering spectral lines etc. affect the retrieval? In particular, something should be presented showing expected systematic and random errors as a function of altitude. If for anything else, this would be necessary for ACE measurements to used as part of a long-term study of changes in trace gases across different instruments in different epochs.

[AC]. To date, no formal complete error budget has been produced for the ACE-FTS v2.2 retrievals, and hence we are currently unable to include such information in the

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manuscript. A sentence informing the reader about the current unavailability of such an error budget for v2.2 has been added at the end of section 2.

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 3431, 2008.

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8, S4204–S4205, 2008

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