

Interactive comment on “An integrated flask sample collection system for greenhouse gas measurements” by J. Turnbull et al.

D. Griffith (Editor)

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Received and published: 15 August 2012

Dear Jocelyn and co-authors,

The open period for your paper has closed and two referees have submitted comments. Please provide a response to each of their comments, and if you wish, include a draft of the proposed changes to the manuscript.

Please pay particular attention to the following points and additional technical comments in preparing you response:

- Both referees point out in general the inconsistent use of terminology and SI units. Please pay particular attention to using SI units and consistent terms and abbrevia-

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tions throughout (including figure axes and captions). The IUPAC green book (Cohen, E. R. et al, Quantities, Units and Symbols in Physical Chemistry, IUPAC, RSC Publishing, Cambridge, 2007.) is the authority - note that litre (abbreviated L or l, L is usually clearer in print) is an accepted non-SI unit for volume, sccm is not (but is unfortunately commonly used by MFC makers). In changing sccm to L in the original submitted manuscript you appear to have changed the unit but not the numbers, and thus confused both reviewers.

- P4709 L15 "isotopes" should be "isotopologues"
- P4081 L20 "fit" should be "fitted"
- P4087 L7 Please clarify the meaning of "over-sampled"
- P4087 L25 should read "...with a configuration similar to that described by ..."
- P4088 L12 ... a range of observed CO2...
- Figure 4. This figure would be more useful and informative if the modelled 1-min values were added to the plot, rather than just stating the final value of 337.98 ppm in the caption.

Interactive comment on Atmos. Meas. Tech. Discuss., 5, 4077, 2012.

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