

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

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Response to reviewers

Thank you to both reviewers for picking up the obvious error in standard liters per minute. When the paper was initially submitted to AMTD, we used units of sccm, but were asked to change to SI units of standard liters per minute (SLPM). In the find and replace, we made a typo of SPLM, and neglected to change the units of the actual numbers. Our apologies for this embarrassing mistake, and it has now been fixed.

Units have been changed to SI units in all cases except for where inches are used. We have retained the use of inches for tubing sizes, since that is the designated size of the

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parts, and conversion to mm could cause confusion.

“Mixing ratio” has been replaced with “mole fraction”.

In figure 4, we redid the analysis to include the predicted CO₂ mole fraction at each time step and included this in the figure. While doing this analysis, we noticed an error in the reported values for this test – the final values (predicted and measured) we gave in the prior version of the paper were taken at the wrong time step. This has been rectified and the interpretation does not change.

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

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