

Interactive comment on “Atmospheric composition and thermodynamic retrievals from the ARIES airborne TIR-FTS system – Part 2: Validation and results from aircraft campaigns” by G. Allen et al.

G. Allen et al.

grant.allen@manchester.ac.uk

Received and published: 29 August 2014

A latex formatting error meant that one of our responses to one of the R1 comments was incomplete. Please see the correct and full response to this item below.

»In the conclusions it is stated that the results compare well to ground-based CH₄ measurements from the TCCON network, but neither a reference is given nor a comparison is shown in the manuscript.

C2413

This refers to the comparison with the nominal 0.2% Ch₄ accuracy quoted statistically for TCCON (Toon et al., 2009) and discussed in our introduction (P3400). It is not a direct conclusion of this study, just a comparison to the existing literature. We have modified this sentence of our conclusion to make this more clear as follows:

“Bias and flight-averaged repeatability compare favourably with previously reported remote sensing statistical accuracy of CH₄ from the TCCON...”

Interactive comment on Atmos. Meas. Tech. Discuss., 7, 3397, 2014.

C2414