

Interactive  
Comment

# ***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.**

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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 CH<sub>4</sub> measurements from the TCCON network, but neither a reference is given nor a comparison is shown in the manuscript.*

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This refers to the comparison with the nominal 0.2% Ch<sub>4</sub> 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 CH<sub>4</sub> from the TCCON. . .”

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

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