

Interactive
Comment

Interactive comment on “FTIR time-series of biomass burning products (HCN, C₂H₆, C₂H₂, CH₃OH, and HCOOH) at Reunion Island (21 S, 55 E) and comparisons with model data” by C. Vigouroux et al.

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Answers to Referee 1

The results are new and interesting, the paper is well written, and publication in ACP makes sense. I have only a few minor comments. - The paper gives many details on the retrieval strategy and error analysis. To me, this does not fit to the main message of the paper. The authors might think about shortening this. - For me Figure 4 is quite important. Compared to Fig. 1-3 the panels of Fig. 4 are all

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very small and difficult to read. I suggest changing this.

We thank the referee for his/her useful remarks.

Section 2 has been shortened in the new manuscript: Table 1 has been removed; well-known equations and comments on inversion techniques and averaging kernels have been removed; a reference has been given for details on error analysis instead of repeating it in the present paper. We agree that this has indeed improved the section. Note that we have kept all the details on the choice of microwindows and a priori profiles, and on the averaging kernels description, because we believe that these details can be useful for some of the readers.

Figure 4 will be larger in the ACP version.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 13733, 2012.

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