

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.

Anonymous Referee #1

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The paper described atmospheric trace gas measurements from Reunion island (21°S), using the solar absorption spectrometry. The results for several tropospheric trace gases are discussed in detail, and compared to the GEOS-Chem or IMAGESv2 model.

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

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important. Compared to Fig. 1-3 the panels of Fig. 4 are all very small and difficult to read. I suggest changing this.

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