**Atmospheric
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Discussions

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Interactive comment on "Characterisation of organic contaminants in the CLOUD chamber at CERN" *by* R. Schnitzhofer et al.

Anonymous Referee #1

Received and published: 17 October 2013

This paper presents results from measurements made to identify organic contaminants and their sources in the CLOUD chamber. The paper is well-written, the measurements are of high quality and the interpretation of the results is well done. However, it is a very technical paper and its relevance is mainly limited to researchers working with large simulation chambers operating very close to atmospheric conditions. It could also be argued that the work does not fit squarely within the aims and scope of Atmospheric Measurement Techniques. Nevertheless, the results of this work are useful since they identify and quantify the contaminants and pinpoint their source. The possible role of inlet lines, chamber processes and various instruments in adding to contamination of the air in chamber experiments is also highlighted. On balance therefore, I recommend this article is published.

The paper is very carefully written and there are only a few trivial corrections to be made:

1. page 7711 line 18: Should be "background levels"

2. Page 7714, line 8: Again, no dash is required between H3O+ and ions.

3. Page 7721, lines 19-20: The term "rather low ozone levels" is subjective and it is suggested that this sentence is changed.

Interactive comment on Atmos. Meas. Tech. Discuss., 6, 7709, 2013.