

## ***Interactive comment on “Insights into the role of soot aerosols in cirrus cloud formation” by B. Kärcher et al.***

**B. Kärcher et al.**

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We take the point that the manuscript would benefit from a concise summary of magnitude and importance of uncertainty issues raised by us. The change we make will consist of adding a table that contains the required information. This will also include the uncertainty tied to the frequency of occurrence of supersaturated moisture states.

Adapting and updating the Figure 3-1 from the IPCC aviation report would not be our choice, instead we will slightly modify our sketch to include the proper wording. We largely agree with the referee and remove the last figure, but retain the discussion associated to it and thus complete the discussion started in the Introductory section. We appreciate the suggestion related to lead times of changes in aircraft engine technologies and we will include this aspect in the paper.

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