Interactive comment on “Simulating gas-aerosol-cirrus interactions: Process-oriented microphysical model and applications” by B. Kärcher

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1. I will remove Figure 1 but like to leave Sect.4 unchanged.
2. I will include these references.
3. The original reference behind Eq.(7) is
which will be included before Eq.(7) first appears.
4. I will do as suggested at the beginning of Sect.3.
5. As suggested by Reviewer 1, I will add a note at the end of the introduction which
comparisons with analytical solutions have been carried out and how well the model performs on a general level.

All the examples shown in Figs.2–8 have been performed with high bin resolutions (50–100) and small time steps (< 1 sec).

6. Formally, changes of $B$ act similar to changes in $\alpha$, see Eqs.(22)+(23). A sensitivity test is already shown in Figs.6+8.

7. I am unable to short the conclusion without specific suggestion of what to leave out. Given the overall length of the paper, I think the current length of the conclusion section (which includes a summary in the first three paragraphs) is appropriate.