

Interactive comment on “The scale problem in quantifying aerosol indirect effects” by A. McComiskey and G. Feingold

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Thank you for your question regarding aerosol number concentration distributions. We did not choose a normally distributed aerosol concentration for any reason other than simplicity. Since the focus of this paper is on illustrating impacts on uncertainty in aerosol-cloud interactions, rather than strictly quantifying them, we did not strive to represent aerosol in any specific condition. We have added some text to explain this choice and also a reference to your paper to inform the reader that log-normal distributions are, in fact, more common. We agree that this would have no impact on the results of our paper for the above reasons but will consider this in the future when striving to quantify these effects. Thank you for bringing our attention to your paper.

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