

Interactive comment on “A simple model for cloud radiative forcing” by T. Corti and T. Peter

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We thank Ulrich Schumann for his valuable comments:

1. We realize that our description of the radiative transfer calculations does not mention the assumption of hexagonal columns as ice crystals. We will mention this in the revised version of our manuscript. We will also refer to Ulrich Schumann's comment to point out the satisfactory agreement between the two parameterizations.
2. We are grateful for the answer concerning the comment by Dr. Kärcher and will address the similarity between Twomey's and our expressions.
3. We agree that the result of our fits depend on the range of model parameters used in the forward calculation. We chose a realistic global sample of parameters

to obtain a parameterization with broad applicability. However, not all used parameters are discussed in the original manuscript. Specifically, we did not mention that we used surface temperature and albedo from ERA40. This will be improved in the revised manuscript. We thank Ulrich Schumann for raising this issue.

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