

Interactive comment on “Towards an operational Ice Cloud Imager (ICI) retrieval product” by Patrick Eriksson et al.

Patrick Eriksson et al.

patrick.eriksson@chalmers.se

Received and published: 19 November 2019

Dear Stuart Fox,

Thanks for the kind words about our manuscript.

Yes, it is unlucky that we have only a single habit for mid-latitudes and, as you point out, that may give an over-estimation of the retrieval performance. We also write that the mid-latitude results shall be approached with care (page 15, lines 20-21). We will add a clarification that the lack of multiple habits is one reason for the concern. We will also stress this stronger in the Outlook part.

We would like to mention that the efforts so far have focused on the core algorithm and the retrieval database discussed has been produced as an initial working basis. Future

C1

studies will be required to expand the database. Accordingly, it could be produced by persons not involved in the work presented here. We will clarify in the revised manuscript.

We will better explain that RT4 indeed is applied following the independent beam approximation.

Best regards,

Patrick and co-authors

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-312, 2019.