Interactive comment on “A new look at the environmental conditions favorable to secondary ice production” by Alexei Korolev et al.

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Received and published: 21 August 2019

I have a question and a comment to communicate. The question is, were the flight plans made to take APIPs into account? (aircraft-produced ice particles) This could be a serious issue especially, of course, when repeated penetrations in the same cloud have been made. The comment is (after saying that this seems to me a very important paper, and should be accepted) that the small ice particles that look like either fat ice columns or very thick, small plates, look to me like overgrowths on frozen, large, cloud droplets, not a result of overgrowths on the sort of shards that would result from the little explosions of freezing droplets. They are not at all what I would have expected from that. That does not help in identifying the actual cause of the freezing, of course, which seems to me the main mystery. Charles Knight

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