

Atmos. Chem. Phys. Discuss., author comment AC2
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Reply on AC1

Vaughan T. J. Phillips et al.

Author comment on "Comment on "Review of experimental studies of secondary ice production" by Korolev and Leisner (2020)" by Vaughan T. J. Phillips et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2021-123-AC2>, 2021

Additionally, everyone agrees that the fragments will disappear during sublimational descent. The point we are making in the comment is that it takes long enough for any given fragment to disappear (about a minute perhaps) that there is a quasi-equilibrium concentration that is enhanced due to the balance between elimination and continual emission in the descending parcel.

(BTW, I meant to write "below the freezing level" instead of "below the melting level" in the previous response).