Atmos. Chem. Phys. Discuss.,
https://doi.org/10.5194/acp-2020-667-SC1, 2020

Atmospheric Chemistry and Physics Discussions

Interactive comment on "Long-term INP measurements from four stations across the globe" *by* Jann Schrod et al.

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Received and published: 29 August 2020

This is an important global view of INPs over space and over time that will be the basis on which generalities about INP abundance and distribution will be defended in future works. In this light, I think that it is critical that the temperatures at which INP abundances were evaluated be mentioned in the abstract. While reading the abstract I asked myself "is this true for INPs at warm temperatures (warmer than -10°C) that are likely to be of biological origin?" As I can see from the contents of the paper, it does not address this question. I suppose that the numerous sources of "dust" and the massive amounts that are in the atmosphere contribute to the ability for them to be mixed up throughout the atmosphere all over the planet leading to a sort of homogenization. I would have been surprised (and disappointed) if this were the case for

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warmer-temperature INPs (but so be it, if the authors had indeed made that observation).

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