

Interactive comment on “Cloud history changes water–ice–surface interactions of oxide mineral aerosols (e.g. Silica)” by Ahmed Abdelmonem et al.

Anonymous Referee #2

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The manuscript reports the effect of freeze-melt cycles on water freezing at silica surfaces. The experimental data represent some new and interesting phenomena. It will take the community years to fully understand these phenomena. This reviewer recommends its publication with some minor revisions.

Suggested revisions: (1) In Fig. 2, 3, and 7, it could be more intuitive to use the temperature as the x axis, instead of the time. (2) The data presented in the manuscript may not directly related to “cloud history”, as indicated by the title.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-844>, 2019.