

***Interactive comment on “Size dependence of volume and surface nucleation rates for homogeneous freezing of supercooled water droplets” by T. Kuhn et al.***

**T. Koop (Editor)**

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Anonymous referee #2 has commented in detail on the experimental results in the companion paper by M.E. Earle et al., see Atmos. Chem. Phys. Discuss., 9, C9517–C9519, 2010 ([www.atmos-chem-phys-discuss.net/9/C9517/2010/](http://www.atmos-chem-phys-discuss.net/9/C9517/2010/)). His comment ends with the following recommendation:

“My suggestion is to revise this paper [ed.com: part 1 by Earle et al.] addressing the remarks above and to present reliable limits of uncertainty to the obtained results. Only if these limits allow inferring a significant contribution of surface nucleation, the second

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manuscript [ed.com: part 2 by Kuhn et al.] should be submitted.”

Hence, I recommend the authors first focus on addressing these comments raised by referee #2 of Earle et al. before beginning to revise the current manuscript by Kuhn et al.

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Interactive comment on Atmos. Chem. Phys. Discuss., 9, 22929, 2009.