Supporting information to "Heterogeneous ice nucleation: Exploring the transition from stochastic to singular freezing behavior "

D. Niedermeier[1], R. A. Shaw[2], S. Hartmann[1], H. Wex[1], T. Clauss[1], J. Voigtländer[1], and F. Stratmann[1]

[1]Leibniz Institute for Tropospheric Research, 04318 Leipzig, Germany
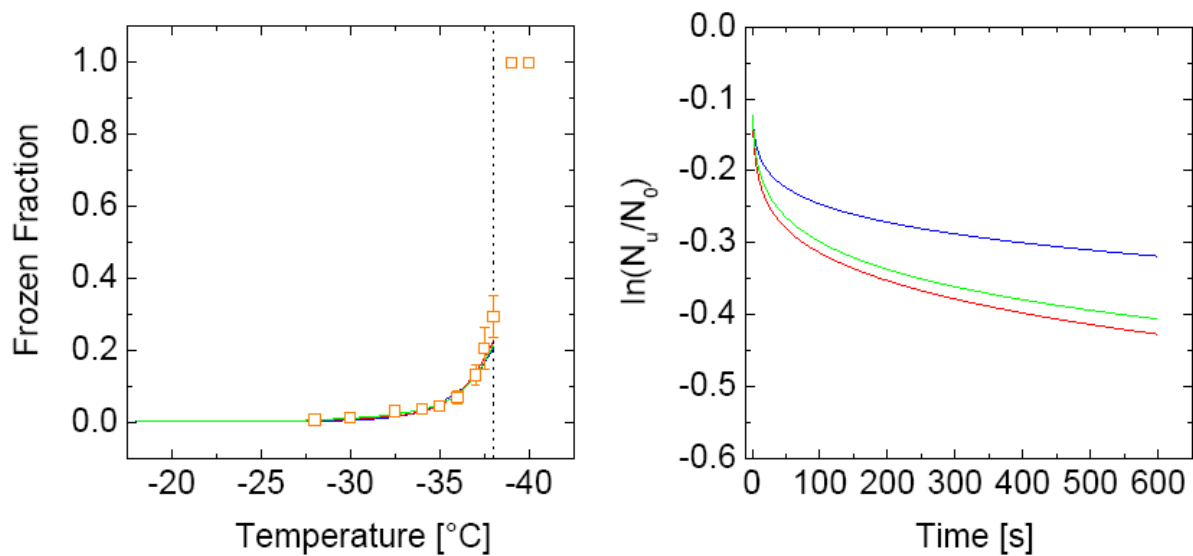[2]Dept. of Physics, Michigan Technological University, Houghton, MI 49931, USA

Fig. 1 *The solid lines in the left figure show three different fit curves to the immersion freezing behavior (T>-38°C indicated by the dashed line) of supercooled droplets each having a single ATD particles immersed (measured with LACIS, Niedermeier et al., 2010). The different parameter combinations, which lead to different time dependencies (see right figure), feature least square differences between fitted curves and experimental data points which are smaller than 10^{-3}. Black curve: n_{site} =1; μ_θ=2.125 rad; σ_θ =0.325 rad; Red curve: n_{site} =4; μ_θ =2.31 rad; σ_θ =0.34 rad; Green curve: n_{site} =7; μ_θ=2.48 rad; σ_θ =0.39 rad.*