

## ***Interactive comment on “Homogeneous nucleation rates of nitric acid dihydrate (NAD) at simulated stratospheric conditions – Part I: Experimental results” by O. Stetzer et al.***

**O. Stetzer et al.**

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Salcedo et al. (2001) mention the 90% confidence interval for the nucleation rate  $J$  to range from 40 and 150% of the respective value, but do not discuss in detail the individual sources of uncertainties. The original data points in this work are discussed and plotted without individual error bars. In our work we do report error bars wherever an error is known or can be estimated (e.g. particle composition, particle concentration as can be seen in panels D through F in figures 3-5).

With respect to a modeling study that takes into account the variation of the droplet composition over time please read the 2nd part of this paper which discusses exactly this in detail.

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