

***Interactive comment on “Calibration and measurement uncertainties of a continuous-flow cloud condensation nuclei counter (DMT-CCNC): CCN activation of ammonium sulfate and sodium chloride aerosol particles in theory and experiment” by D. Rose et al.***

**D. Rose et al.**

Received and published: 10 January 2008

We would like to thank Referee #1 for the clarifications in response to our preceding interactive comment (ACPD, 7, S4130–S4134, 2007), which will be taken into account upon revision of the manuscript.

For users of the DMT-CCNC instrument and flow model, we consider it important to explicitly state that the effective thermal resistance, which can be determined as suggested by Lance et al. (2006) and performed in our study, depends on the Köhler

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model applied for instrument calibration.

Reference:

Lance, S., Medina, J., Smith, J. N., and Nenes, A.: Mapping the Operation of the DMT Continuous Flow CCN Counter, *Aerosol Sci. Technol.*, 40, 242–254, 2006.

[Interactive comment on Atmos. Chem. Phys. Discuss.](#), 7, 8193, 2007.

ACPD

7, S8313–S8314, 2008

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