

## ***Interactive comment on “Closure between measured and modeled cloud condensation nuclei (CCN) using size-resolved aerosol compositions in downtown Toronto” by K. Broekhuizen et al.***

**K. Broekhuizen et al.**

Received and published: 20 December 2005

We have attempted to clarify the confusion on the comparison of TEOM and AMS data. The 50% collection efficiency was only applicable to the two days mentioned, not the full study.

We have added a reference in regard to the 40% correction factor in the CCN experiments. A recent study by Volckens and Peters has measured collection efficiencies of liquid droplets in the APS of less than 70% for droplets greater than 2 microns (aerodynamic diameter). This is a likely source of the correction factor and this has been noted in the manuscript.

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We have removed the reference of OOC as secondary organic aerosol.

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Interactive comment on Atmos. Chem. Phys. Discuss., 5, 6263, 2005.

**ACPD**

5, S4623–S4624, 2005

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