

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.

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In response to the valid point by Dr. Decesari about the data of September 5, we have added a sentence to the manuscript stating that closure was achieved for the data set, but on September 5, the correlation was not strong, but no systematic over- or under-prediction was observed. The CCN concentrations were dominated by the organic-rich nucleation mode particles for the entire study, and closure was achieved using the assumptions stated in the paper. Therefore, we believe the premise of the paper remains valid.

We have removed the sections regarding the MOUDI analysis due to the comments by

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Dr. Decesari and length constraints due to the new closure analysis.

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

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