

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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We have included sensitivity studies of various organic carbon characteristics on aerosol CCN closure in the final version of the manuscript. In particular, we have incorporated a WSOC fraction in our calculations and also a surface active component. Due to the lack of RH-TDMA data, or other methods of determining WSOC and droplet surface tension, any detailed analysis of these effects will be based on further speculation. Therefore, we have performed a sensitivity study, but have not probed these effects further.

We have also included the Mircea et al. and Rissler et al. studies in our discussion and

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analysis.

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