

Interactive comment on “An inverse modeling procedure to determine particle growth and nucleation rates from measured aerosol size distributions” by B. Verheggen and M. Mozurkewich

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Received and published: 28 April 2006

The papers mentioned deal with inverse modeling of aerosol dynamics, with the objective of being used in three-dimensional chemical transport models. That is different from the objective of our method, which is primarily to aid in interpreting measurements (atmospheric or laboratory). More specifically, our method focuses on determining the empirical particle growth and nucleation rate from measurements of consecutive aerosol size distributions; the reconstruction of a previously measured size distribution in our paper is meant more as a validation of internal consistency than being an ob-

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jective by itself. Sandu et al. (2005) discuss the determination of the coagulation rate constant and a growth rate parameter from measurements, and thus their focus partly overlaps with that of our paper. The Henze et al. (2004) paper however does not. We will include a reference to the former but not to the latter.

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Interactive comment on Atmos. Chem. Phys. Discuss., 6, 1679, 2006.

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