

Interactive comment on “Impact of palmitic acid coating on the water uptake and loss of ammonium sulfate particles” by R. M. Garland et al.

Anonymous Referee #1

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This work nicely demonstrates the impact of organic coatings on the deliquescence and efflorescence behaviour of mixed inorganic/organic aerosol particles. In view of the detailed comments already published by the other referees I can only add another positive statement of support for this paper and one additional minor thing, which might be worthwhile to expand somewhere in the discussion. While this study considers the growth after equilibration (the equilibration time was fixed to 3 mins.), it is reasonable to assume that from a kinetic point of view, the growth rate might be dictated by the film properties (diffusion constant), as shown in other studies. The authors could expand a little on to what degree the changed growth rates could have an impact on CCN

processes.

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 2047, 2005.

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