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Interactive comment on “Satellite observations of cloud regime development: the role of aerosol processes” by E. Gryspeerd et al.

E. Gryspeerd et al.

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Received and published: 5 December 2013

The work of Gryspeerd et al. 2013 made use of satellite retrievals to evaluate the aerosol-cloud interactions. They carefully examined and screened the potential interference and presented very thought-provoking results. Overall the manuscript fits the scope of the journal and I recommend its publication in ACP.

We would like to thank the reviewer for their comments; their specific points are addressed below.

Technical corrections:

Page 22941 line 18: Please define 'RFO' also in the main text

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It is now defined at the beginning of the results section.

The manuscript would be better accepted if the authors make it easier to understand for those not familiar with the approach. For example, I was also confused with the 'regime transitions' and 'transition regime' in the beginning.

We have attempted to make the approach clearer. In particular, we have placed a note at the start of the methods section on regime transitions warning of the possible confusion between 'transition regime' and 'regime transitions'. For continuity with previous work, we would prefer not to alter the names of the regimes.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 22931, 2013.

ACPD

13, C9684–C9685, 2013

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