

Interactive comment on “Aerosol effects on the cloud-field properties of tropical convective clouds” by S.-S. Lee and G. Feingold

Anonymous Referee #2

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The paper presents an interesting study about the possible effects of aerosol on the spatio-temporal properties of tropical convective clouds: the paper is also very timely in consideration of the possible interplay between aerosol phenomena and climate change impacts.

I have only minor comments, hereafter reported:

a) concerning the model setup, did the authors perform any sensitive study about effect of horizontal resolution on the study results?

b) in the present study the authors refer to a 2D setup, would be possible to assess the implications of moving from a 2D to 3D modeling study of this topic? I think that this aspect should be address in the manuscript in consideration of the intensification

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of the convective processes when high-aerosol run are considered

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 2997, 2013.

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