

Interactive comment on “Impacts of absorbing biomass burning aerosol on the climate of southern Africa: a Geophysical Fluid Dynamics Laboratory GCM sensitivity study” by C. A. Randles and V. Ramaswamy

Anonymous Referee #1

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The authors used aerosol observation from AERONET and EP-TOMS to adjust simulated aerosol, and this adjusted aerosol was used as input for a GCM. This is superior to some of the previous studies where aerosol parameters were crudely specified. However, this study does not give any significant finding or new insight. The conclusions were already known or expected. Thus, I ask the editor to reject this paper for publication in ACP.

1. The authors frequently use a term “column integrated AOD”. AOD is by definition a column-integrated quantity. AOD is obtained by integrating aerosol extinction coeffi-

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cient in the vertical. Please simply say AOD.

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 9731, 2010.