

Interactive comment on “Estimations of climate sensitivity based on top-of-atmosphere radiation imbalance” by B. Lin et al.

Anonymous Referee #2

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This paper attempts to estimate the climate sensitivity for mainly medium-range time-scale from climatological point of view, and will contribute to reduce the uncertainty in climate projections. I do not find any major problems in this paper, thus I recommend this to be published in the almost current form.

I have one request. Why did you assume O in eq. (2) as eq. (3), although O is proportional to TOA net radiation? Please elaborate this in the text.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 24731, 2009.