

***Interactive comment on “Anthropogenic changes
in the surface all-sky UV-B radiation through
1850–2005 simulated by an Earth system model”
by S. Watanabe et al.***

Anonymous Referee #2

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This paper uses an Earth system model to calculate the changes in UVB radiation reaching the surface between pre-industrial and present times. It is well written and clearly argued, with well defined and explained cases, clear graphics, and good explanation of the results. All material is relevant and concise.

The authors show some interesting differences from prior work, and I found their discussion of the anthropogenic impact in 1960 prior results particularly interesting. Their decomposition of the effects into GHG and aerosol is also well constructed.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 4221, 2012.