

Interactive comment on “Halogen chemistry reduces tropospheric O₃ radiative forcing” by T. Sherwen et al.

Anonymous Referee #3

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The authors present a calculation of the radiative forcing due to tropospheric ozone, using the GEOS-Chem model run with and without halogens and for present-day and pre-industrial conditions. The model runs show that halogen chemistry is more prevalent in the present-day, thus the ozone radiative forcing is significantly less when halogens are included. The paper is quite straightforward, is clearly written, with findings and conclusions quantitatively detailed. I really have no criticisms or suggestions to offer, the paper is suitable and essentially ready for publication in ACP in my opinion. There are typos here and there that should be dealt with – e.g., pre-industrial methane (page 3, line 20) should be 700 nmol mol⁻¹.

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2016-688, 2016.

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Discussion paper

