

Interactive comment on “Evaluating the simulated radiative forcings, aerosol properties and stratospheric warmings from the 1963 Agung, 1982 El Chichón and 1991 Mt Pinatubo volcanic aerosol clouds” by Sandip S. Dhomse et al.

Sandip S. Dhomse et al.

s.s.dhomse@leeds.ac.uk

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Dear Reviewer, while finalising the revised manuscript, we discovered two subtle but important mistakes in the Python code used to generate the figures in the ACP-Discussions manuscript:

1. Figure 4: Typo in the code used to calculate effective radius: assigned the accumulation-soluble mode H₂SO₄ mmr to accumulation-insoluble H₂SO₄ mmr.
2. Figures 2d), 8d), 11d): Error in sAOD calculated for CMIP6 dataset (depth error).

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The stratospheric AOD values from CMIP6 dataset shown Figures 2d, 8d, 11d of the ACPD article are factor 2 too high, due to an error in the depth used in the calculations.

Detailed explanation about those errors is provided at the end of modified Authors response document.

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