

***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.**

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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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