Atmos. Chem. Phys. Discuss.,
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Atmospheric Chemistry and Physics Discussions

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.

Anonymous Referee #2

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I apologize, I forgot to include some minor comments on the figures:

- Figure 1: I think "blue line" should be "solid lines", otherwise I do not understand which lines I am supposed to look at.

- Figure 2: I find this kind of graphs (Fig 2, 5, 8, 7, etc) difficult to interpret. Next to the AOD, there should also be a panel with the absolute or relative difference between simulations and datasets. You could build a 3x3 table of graphs showing the difference between each of the three ensembles and each of the 3 datasets

- Figure 3: just to be clear, the variability among ensemble members is the ensemble spread, right? Min to max values per each month.

- Fig. 10: seeing the colors in panel d) is difficult, as lines become dense right where the warming happens. It would be better to make the lines light grey or change the color table to something with more diversity. Also, why not including the mean QBO also in the simulation graphs? Does the QBO changes between the experiments with and without eruptions?

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