

Review of “Multi-model analysis of the radiative impacts of the 2022 Hunga eruption indicates a significant cooling contribution from the volcanic plume” by Quaglia et al.,

I appreciate the authors for considering the review comments seriously. The authors have incorporated most of the major, all the minor, and technical comments given in the review report. The rationale and novelty of the present study are clearly described in the introduction section. The methodology section provides comprehensive details that ensure reproducibility. Importantly, the authors have improved the scientific discussion on each figure, which significantly increased the quality of the manuscript. The in-text citation of the figures, tables, and SI unit format are as per the ACP template. Owing to these improvements, there are no major or minor comments on the revised version. However, there are some technical corrections required as listed below. Hence, I recommend the manuscript for consideration for the following technical corrections.

Technical comment:

In multiple locations, the text refers to specific panels using only the panel number, without explicitly stating the figure number. For example, check L217, 219, 225, 228, 230, 235, 239, 257, 265, 269, 304, 345, 348.

P12 L246: Consider writing the equation separately and provide an equation number.

P16 L351: Write as “As discussed in Bednarz et al., (2025),”

P23 L359: Write as “Sellitto et al., (2025) which indicated”