

Response to Editor and Reviewers

Manuscript title: “Initial conditions control transport of volcanic volatiles, forcing and impacts”

Manuscript authors: Zhihong Zhuo, Herman F. Fuglestedt, Matthew Toohey and Kirstin Krüger

Thank you very much for your efforts and comments. We are very glad to see the positive comments. We have revised the manuscript as suggested. Please find below our responses (in black) to the comments (in gray italics). Texts in the revised manuscript are highlighted in red.

Public justification (visible to the public if the article is accepted and published):

Reviewer #2 was kind enough to make the following comments Please send a revised manuscript.

I would like to congratulate the authors on excellent and detailed revisions, and would recommend the revised manuscript for publication. I have 2 very minor comments below.

L.199 fig 2g and h are not in the revised manuscript.

Thanks a lot for pointing this out, we revised it to **Fig. 2c and 2d**.

L.310 Here and in the figure, it would be good to remind the reader that H refers co-injection of sulfur and halogens and S to sulfur-only.

As suggested, we added “**H refers to co-injection of sulfur and halogens, S refers to sulfur-only injection**” in the text and in the caption of figure 6.