

Interactive comment on “Dispersion of the Nabro volcanic plume and its relation to the Asian summer monsoon” by T. D. Fairlie et al.

Anonymous Referee #2

Received and published: 17 February 2014

This paper is really interesting, detailed and well balanced, therefore I strongly support its publication.

I agree with the comment of the other referee about the need for some adjustment for avoiding misunderstanding.

I just want to add minor comments:

- Pp 33181 add a reference to the statement about the ash as minor component of the Nabro plume

- Pp 33186 lidar ratio values observed for this eruption are more appropriate. There are in literature values measured by the ground based lidars. Please refer to this instead

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of Mueller.

- Pp 33191 the peak value reported here is not consistent with the one in the abstract, please check. The following sentence is not needed and confusing: "These estimates scale-0.8Wm²". Please remove.

- Abstract: authors report that 15% of the ascent of Nabro plume to self-lofting. Maybe I am wrong but I did not find correspondence in the paper.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 33177, 2013.

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