Nat. Hazards Earth Syst. Sci. Discuss., 1, C344–C345, 2013
www.nat-hazards-earth-syst-sci-discuss.net/1/C344/2013/

Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Sulfur dioxide emissions from Papandayan and Bromo, two Indonesian volcanoes" *by* P. Bani et al.

Anonymous Referee #2

Received and published: 19 June 2013

The paper by Bani et al. presents the first SO2 measurements of Papandayan and Bromo volcanoes that may serve as reference for future investigations on these two volcanoes. The paper is well written and organized and, in my opinion, it can be published on NHESS after minor changes, which can be summarized as follows:

Introduction: In lines 10-15 the authors should mention that the scarcity of SO2 flux data also depends on the fact that DOAs measurements can only be carried out in volcanoes having a plume, which are a minority of the active volcanoes in the World.

Results: in Line 2 (pag 1900) the author should report the data uncertainties.

Section 3.1: it is not clear how the authors can assess that the variations of SO2 fluxes measured in Papandayan are due to subsurface magmatic-hydrothermal processes

(which type of process ?), instead of other casues, such as different inclinations of the telescope, as invoked to explain the variations of Bromo measurements. Please explain in detail these aspects.

In Table 1 please express the SO2 fluxes in the traverses and the average values in the same unit (as td-1), consistently with the text.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 1895, 2013.