

Interactive comment on “Multicopter measurements of volcanic gas emissions at Masaya (Nicaragua), Turrialba (Costa Rica) and Stromboli (Italy) volcanoes: Applications for volcano monitoring and insights into halogen speciation” by Julian Rüdiger et al.

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Received and published: 9 January 2018

I would just like to point out that the first application of a UAV to the study of the chemistry of volcanic plumes dates back to the late 70s, and is published in this reference : Faivre-Pierret, R., Martin, D. & Sabroux, J.C. Bull Volcanol (1980) 43: 473. <https://doi.org/10.1007/BF02597686>. At that time, the Bulletin of Volcanology was still multilingual and this paper, written in french with an english abstract, has gone be-

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low the radar of the later papers on volcanic plumes studied with UAVs. Summarized briefly, the authors mounted, on a fixed-wing UAV, a sampling unit composed of a pump and impregnated filters to measure the concentration of SO₂, HCl and HF in the plume of Mt Etna. I believe that the authors could cite this reference, as to give credit to this pioneering work.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-335, 2017.

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