

Investigation of several proxies to estimate sulfuric acid concentration in volcanic plume conditions

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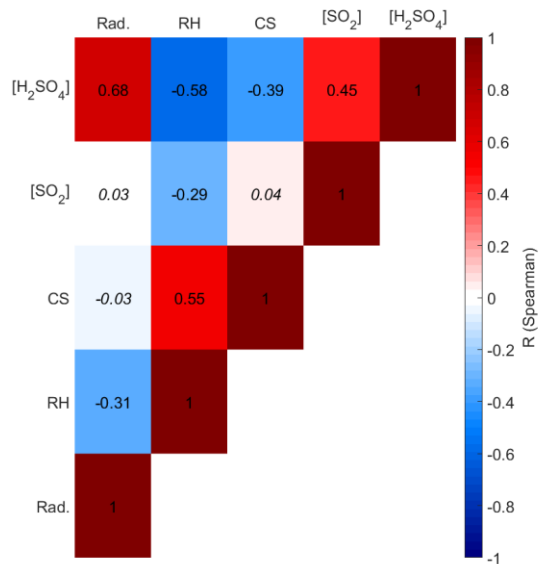


Fig. S1 Correlation coefficients (Spearman) between [H₂SO₄] and the key atmospheric variables likely affecting H₂SO₄ formation in the eruptive volcanic plume of the Piton de la Fournaise during OCTAVE. The correlation coefficients are indicated by the colour code for a quick overview, and corresponding values are in addition reported on the figure for each couple of variables. Values highlighted in italic indicate non-statistically significant correlations (i.e. corresponding p-value was > 0.05).

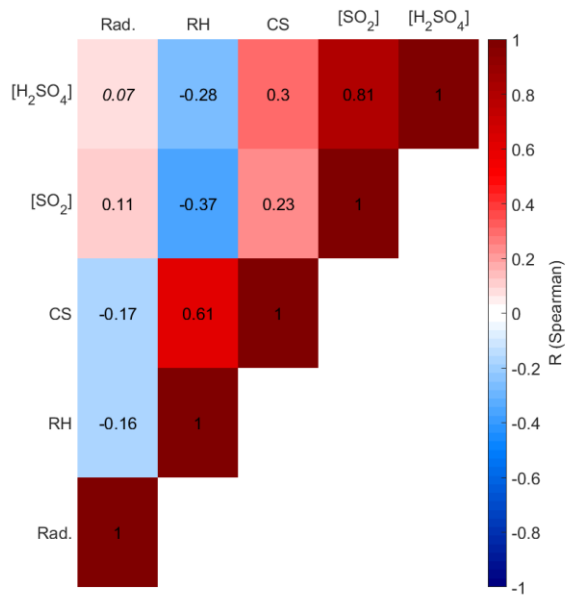


Fig. S2 Correlation coefficients (Spearman) between [H₂SO₄] and the key atmospheric variables likely affecting H₂SO₄ formation in the passive degassing plume of Etna during the first part of flight ETNA 13 in STRAP. See Fig. S1 for an explanation of the symbols.