

Interactive comment on “Effect of volcanic emissions on clouds during the 2008 and 2018 Kilauea degassing events” by Katherine H. Breen et al.

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Hello,

Most of the details about the SO₂ emissions during Kilauea’s 2018 eruption should be attributed to Kern et al 2020, rather than Neal et al 2019. Kern et al 2020, which is currently not referenced at all in the paper draft, provides a much more comprehensive analysis of the SO₂ emissions during this eruption, as well as estimating some aerosol properties of the gas plume.

Neal et al 2019 provides an extremely general overview of the 2018 eruption, with very

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limited (and outdated) estimates of the scope of SO₂ degassing.

Here is the Kern et al 2020 citation: Kern, C., Lerner, A. H., Elias, T., Nadeau, P. A., Holland, L., Kelly, P. J., et al. (2020). Quantifying gas emissions associated with the 2018 rift eruption of K  lauea Volcano using ground-based DOAS measurements. Bulletin of Volcanology, 82(7), 55. <https://doi.org/10.1007/s00445-020-01390-8>

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-979>, 2020.

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