Supplement of

Analysis of properties of the 19 February 2018 volcanic eruption of Mount Sinabung in S5P/TROPOMI and Himawari-8 satellite data

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**Figure S1.** Hourly HIRAWARI-based brightness temperatures (11 μm) and ash/dust heights on 19 February 2018 over Sumatra between 03:00-08:00 UTC. Ash dust heights from NOAA/CIMSS, imagery obtained from the NOAA/CIMSS Volcanic Cloud Monitoring Web Portal ([https://volcano.ssec.wisc.edu/](https://volcano.ssec.wisc.edu/)). The brownish outline is an automatically generated contour.

**Figure S2a.** MODIS-Terra pseudo visible color images on 19 February 2018 over northern Sumatra, approximately 10:30 local time. Image obtained from [https://worldview.earthdata.nasa.gov/](https://worldview.earthdata.nasa.gov/).
Figure S2b. As figure S2a but for the VIIRS satellite instrument and at approximately 13:30 local time. Image obtained from https://worldview.earthdata.nasa.gov/.