

Additional file 3:
Seismo-acoustic data in Stages 2 and 3 of the 2018 eruption at Shinmoe-dake

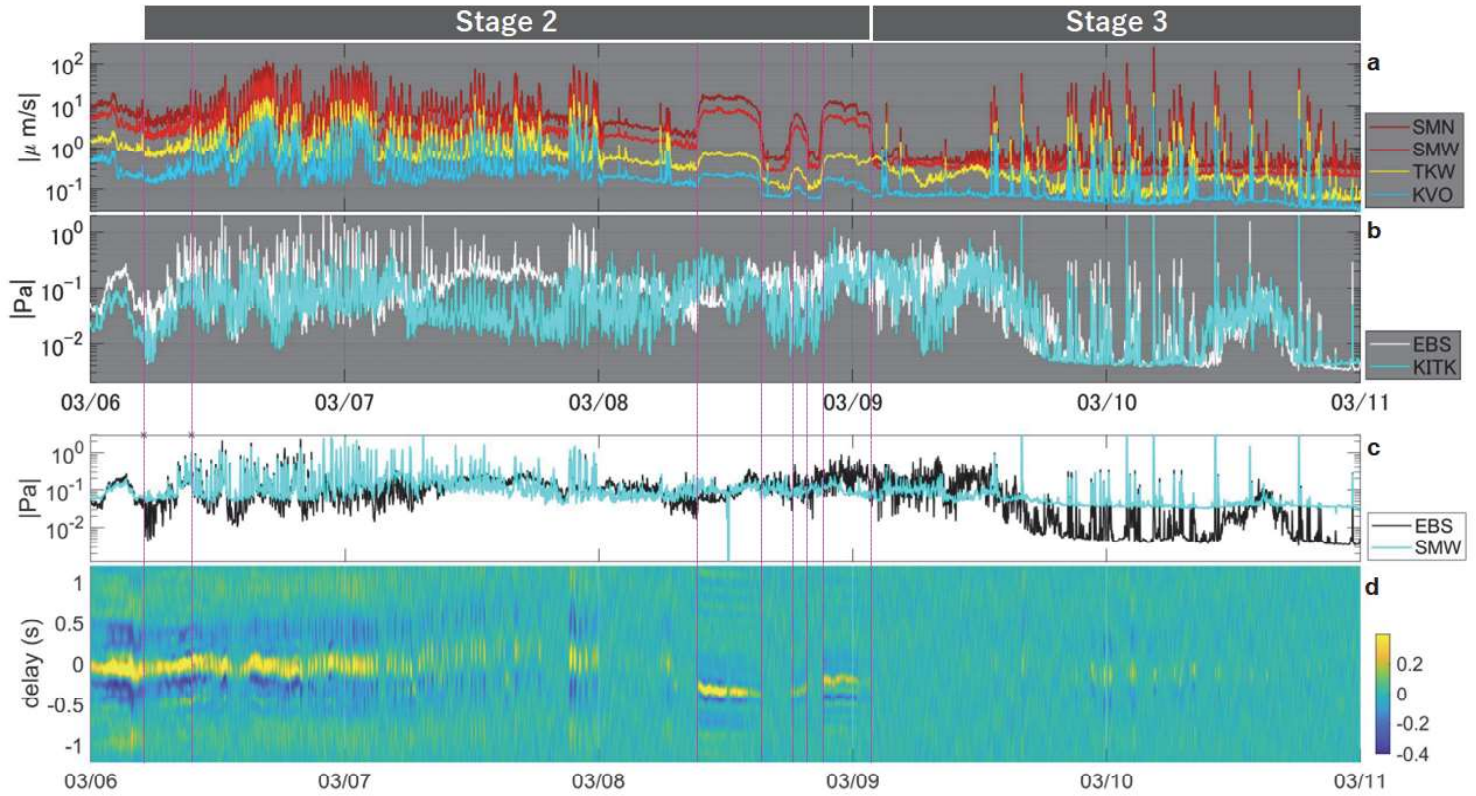


Figure S3.1: Magnification of seismic and infrasonic signals during Stages 2 and 3 of the 2018 eruption. The amplitude change in 1–7 Hz of the seismometers (a), infrasound sensors at EBS and KITK (b), and infrasound sensors at EBS and SMW (c). a and b correspond to Fig.8a and b, respectively. The cross correlation between the infrasound sensors at EBS and SMW is shown in d. The vertical axis is the delay of SMW to EBS, subtracted by the reference value (-5.09 s) assuming the source is at the crater center and the propagation time is 340 m/s. The left two vertical magenta lines are 5:00 and 9:30 on March 6 when the seismic and infrasonic cycles started and became apparent, respectively. The vertical lines on March 8 and 9 are drawn to compare the seismic amplitude change (a) and infrasonic signals (d).