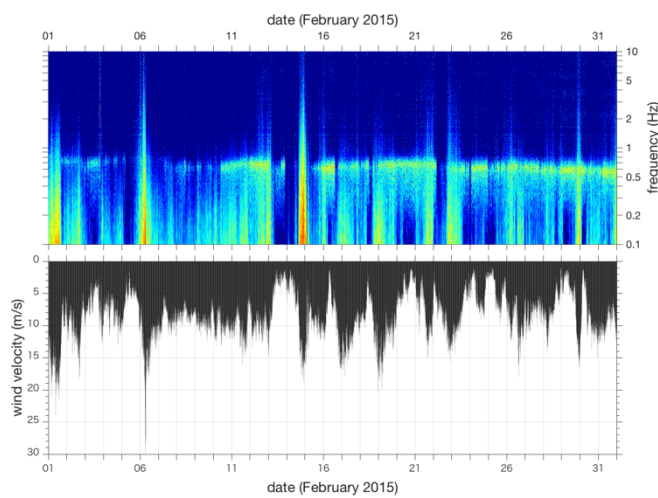


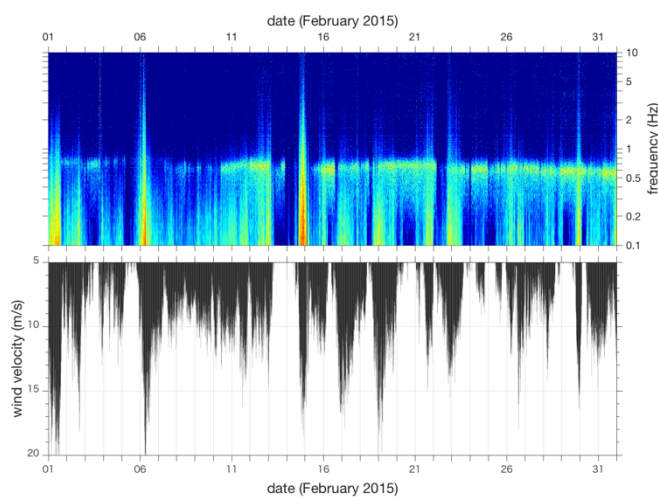
Additional File 1:

Many “spikes” covering a wide frequency range were observed in the power spectrogram of the infrasound wave (upper panels; one-month data in February 2015). The spikes corresponded to the windy conditions recorded (lower panels; wind velocity recorded at JMA). To remove these noisy data, we adopted a trial-and-error approach using a threshold value of the wind velocity. Three different threshold values are shown here to compare their correspondences, which indicate that a value between 5 and 10 m/s could be appropriate.

(a) All the data of wind velocity (>0 m/s) was plotted.



(b) Moderate to strong wind velocity (>5 m/s) was selected.



(c) Strong wind velocity (>10 m/s) was selected.

