

The induced self-potential variation by seismic wave

isao yamada[1], Minoru Saito[2], Mamoru Yamada[3], Tooru Ooida[4]

[1] Research Center for Seismology and Volcanology, Nagoya Univ., [2] Earth and Planetary Sci., Nagoya Univ., [3] Res. Ctr. Seismol. & Volcanol., Nagoya Univ., [4] RCSV, Nagoya Univ.

We observed the self-potential variation at Yakedake seismic station. And we found out that the vertical self-potential variation is induced by passage of seismic waves around the observation station. The onset of self-potential variation correspond with the arrival of seismic wave, and its wave form is very like the seismic wave of vertical component.