

Temporal co-seismic geoelectric potential observation at Mozumi

Mamoru Yamada[1], Takesi Nakayama[2]

[1] Res. Ctr. Seismol. & Volcanol., Nagoya Univ., [2] none

We observed geoelectric potential near the Mozumi-Yuen fault, central Japan at the time of the explosion experiment. Our observation was done as a part of the project of the EFRTS. Four explosions (max.charge=100 Kg) were done on October 24, 2000. Our observation site situated at the distance from the shot points ranges 0.5 to 1.2 km.

We set two directional lines, N-S(50m) and E-W (35m). We used chlorinated lead rods as electrodes.

We observed for 2 weeks until the time of the explosion experiment by using the data logger(LS8000WD) with a battery. We recorded with the sampling rate of 200 Hz.

In this report, we present the geoelectric potential data that showed the similar change to the seismic wave-form. We also discuss the small difference in apparent arrival times.

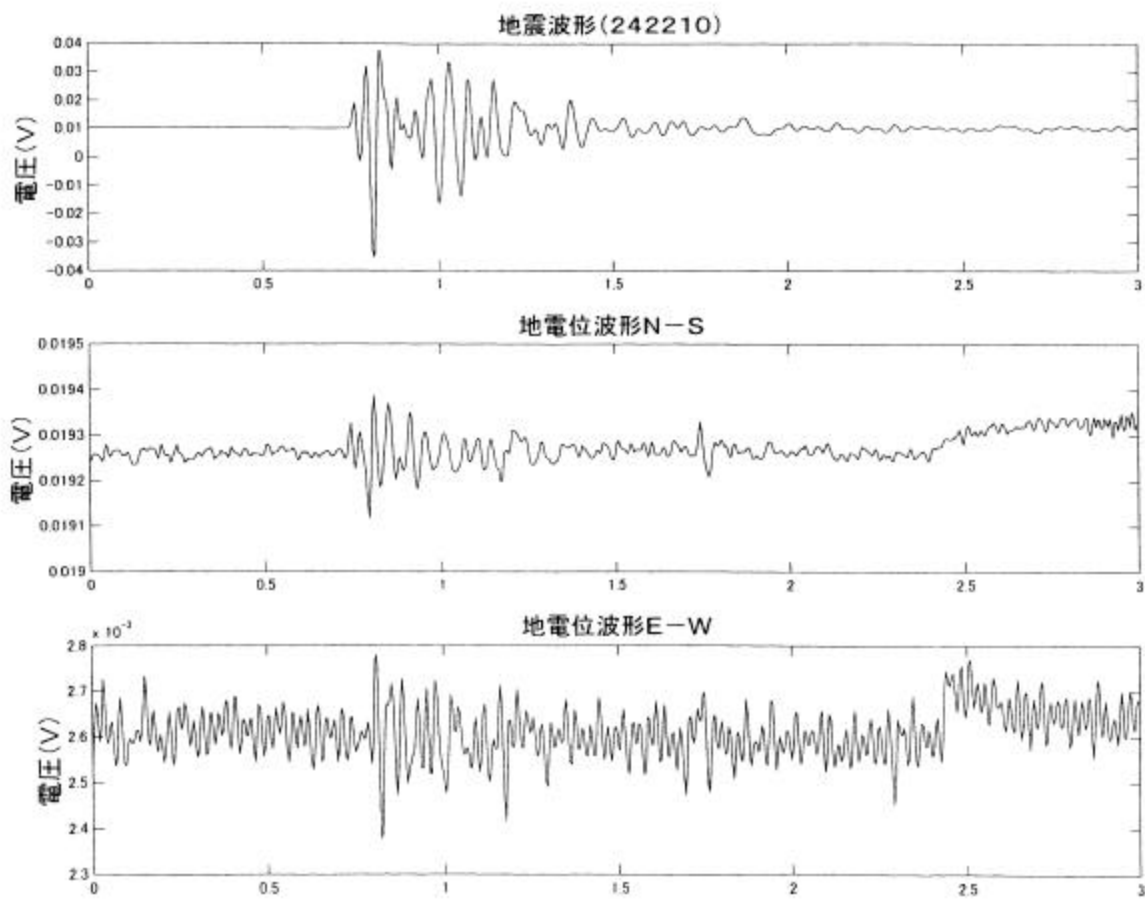


図2 60Hzハムを取り除いた記録