

## Electroseismic changes observed at an explosion experiment in Aso Volcano

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In recent years considerable number of reports have been made on coseismic geoelectric changes. In this research we investigated what kind of electroseismic changes are observable in an actual field. We observed geoelectric potential changes at an explosion experiment practiced at Aso Volcano on November 26, 1998.

Observed electroseismic signals contain three kinds of changes. The first is the impulsive change with its duration of a few msec. It was observed closely at the time of a seismic shot. The second continues for several tens msec immediately after the shot, attenuating with distance from the shotpoint according to  $1/r$  law. The third breaks at the arrival of seismic wave and seems to be generated by ground motion itself.