

## Seismic observation around the Nagamachi-Rifu fault by using semi-broad-band seismometers

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Seismicity around the Nagamachi-Rifu fault, the B class reverse fault with northeast-southwest strike, northwest dip and 17 kilometers long, is considered to be associated with the subsurface structure of this active fault. We started seismic observation around this active fault by deploying 5 semi-broad-band and broad-band seismometers from April, 2000, and obtained about 200 seismograms of small earthquakes with small epicentral distances. Near-field waveforms can be seen on the seismograms of events with earthquake magnitude of about 3. Using this data set, we intend to obtain the focal mechanism solutions of small local earthquakes from a waveform inversion analysis and the crustal velocity structure around this area from a receiver function analysis of teleseismic waveforms.