

Microtremor array explorations near school of around Hakata Bay area

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For increasing underground data and for teaching aid of science education, our group conducted microtremor array explorations near school in the Hakata Bay area to estimate 1D S-wave velocity profiles of deep sedimentary layers over the basement with a V_s about 2.5km/s. The details of the observation and analysis were described and discussed previous some papers (e.g. Yamanaka et al., 2005). Our previous exploration results (e.g. Yamada, 2007) in the central Fukuoka city indicated the top of the basement depth V_s about 2.5km/s changes from 0.5 to 0.8km, with from west to east, although the surface layer bottom depth of V_s 0.8km/s is not so change. The same one will be resulted from this study, and these 1D structures help to construct 3D model.