

Microtremor array explorations near school at the edge of Fukuoka basin

Nobuyuki Yamada[1]; Hiroaki Yamanaka[2]

[1] Fukuoka University of Education; [2] TokyoTech.

For increasing subsurface structure data and for teaching aid of science education, I conducted microtremor array explorations near school in Fukuoka 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). My previous exploration results (e.g. Yamada, 2008) 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.