

Explorations of S-wave velocity structure around the Chikushi plain

OKUDAIRA, Ryota¹, YAMADA, Nobuyuki^{2*}, TAKENAKA, Hiroshi¹

¹Kyushu University, ²Fukuoka University of Education

We conducted microtremor array measurements for the 5 sites around the Chikushi plain to estimate 1D S-wave velocity profiles of deep sedimentary layers over the basement with a V_s about 3.0km/s. In this presentation, we will discuss the details of the observation and analysis. We will analyze the data and get the S-wave velocity profiles at the 5 sites. And we will discuss to construct of 3D basin model.

Keywords: Chikushi plain, S-wave velocity structure, microtremor array exploration