Explorations of S-wave velocity structure around the K-NET stations in Ishigaki and Iriomote island, Japan

Nobuyuki Yamada\textsuperscript{1*}, Hiroshi Takenaka\textsuperscript{2}, Ryota Okudaira\textsuperscript{2}, Fuminori Goto\textsuperscript{2}, Toshihiro Kuramoto\textsuperscript{2}

\textsuperscript{1}Fukuoka University of Education, \textsuperscript{2}Kyushu University

We conducted microtremor array measurements for the 3 sites in the Ishigaki island and Iriomote island to estimate 1D S-wave velocity profiles of deep sedimentary layers over the basement with a Vs 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 3 sites.

Keywords: Microtremor array measurements, S-wave velocity structure, Ishigaki & Iriomote Islands