

Receiver Function Analysis for Broadband Seismic Stations in Ryukyu Arc

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The S-wavevector receiver function (SWV-RF) has a great advantage that the problem of unclearly seismic images beneath very thick sedimentary basin due to the records include strong effect of reverberation within the sedimentary layer can be overcome (Takenaka and Murakoshi, 2010, AGU). In this study, we applied the SWV-RF from broadband seismic records of the F-net (NIED) and ETOS (JMA) to obtain the seismic structures in Ryukyu Arc. In this presentation, we will describe the estimated seismic structure under each stations in the Ryukyu Arc. Acknowledgement: We have used F-net data (NIED) and ETOS data (JMA), "Japan integrated velocity structure model 2012" provided by Headquarters for Earthquake Research Promotion of Japan (HERPJ).

Keywords: receiver function, Ryukyu arc, crustal structure