

## Seismic reflection survey across the Median Tectonic Line active fault system in Niihama, Ehime Prefecture

# Hiroyuki Tsutsumi[1], Tatsuya Ishiyama[2], Shigeru Toda[3], Takahiro Miyauchi[4], Hiroshi Sato[5], Takashi Kumamoto[6], Haruo Kimura[5], Tsutomu Inoue[7], Tomokazu Kinoshita[7], Syoji Doshida[8], Akira Matsuoka[1], Asami Takeda[3], Heitaro Kaneda[7], Yosuke Nakamura[9], Nobuhiko Sugito[1], miyuki tani[10], Hiroki Watanabe[11]

[1] Dept. Geophysics, Kyoto Univ., [2] Active Fault Research Center, GSJ/AIST, [3] Earth Sci., AUE, [4] Earth Sci., Chiba Univ., [5] ERI, Univ. Tokyo, [6] Okayama Univ., [7] Earth and Planetary Sci., Kyoto Univ, [8] Earth and Planetary Sci., Kyoto Univ., [9] Geophysics, Sci., Kyoto Univ, [10] Dept, Geophysics, Kyoto Univ., [11] Construction Eng., Kagawa Univ.

We have conducted a seismic reflection survey across the Ishizuchi and Okamura faults of the Median Tectonic Line active fault system at Niihama, Ehime Prefecture. An unmigrated time section depicts that the Ishizuchi fault, which reactivates the terrane boundary between the Sambagawa metamorphic rocks and Izumi sedimentary rocks, dips gently to the north. The terrane boundary is not offset beneath the Okamura fault, suggesting that the Okamura fault may merge into the terrane boundary fault at a depth of about 1 km.