

Seismic reflection profiling across the Ohchigata fault zone in Ishikawa Prefecture, central Japan

Koichi Shimokawa[1], Kiyohide Mizuno[2], Yuichi Sugiyama[1], Hideki Katagawa[3], Toshiharu Shibata[4]

[1] Active Fault Research Center, GSJ/AIST, [2] Active Fault Research Center,GSJ/AIST, [3] Construction Dept & Nuclear Power Construction Dept, Hokuriku Electric Power Co., [4] Nuclear Power Civil Engineering Dept., Hokuriku Electric Power Co.

The Ohchigata fault zone consists of several faults those extend for 10-20km along the north and south ends of the Ohchi plains (Active faults in Japan, revised edition; 1991). We carried out the seismic reflection survey along two lines to determine the precise geological structure of this fault zone. The result shows the thrust structures toward each end of the Ohchi plains. Moreover, the seismic reflection profile shows the basement of the possible granite attaining about -1000m asl., and angular unconformity in the upper sedimentary layers.