

Well logging and Chemical analysis along fracture zones of the Hirabayashi NIED drilling core of the Nojima fault.

Tatsuo Matsuda[1], Ryuji Ikeda[1], Kentaro Omura[1]

[1] NIED

Hyogo-ken Nanbu earthquake (1995.1) activated the Nojima fault at northern part of Awaji Island and surface rupture appeared. After the earthquake, an 1800m deep borehole was drilled penetrating through the Nojima fault by NIED. We conducted Well logging of the borehole and chemical analysis of the core. Three fracture zones were detected at depths of about 1140m, 1300m, and 1800m and merely the fracture zone (at 1300m depth) did not activate with the earthquake.