

Development and change of Kego fault, Fukuoka prefecture, Japan :Consideration from fault rocks in damage zone

Keii Ban[1]; Kenta Kobayashi[2]

[1] Geology,Sci,Niigata Univ; [2] Grad. Sch. Sci. & Tech., Niigata Univ.

The West off Fukuoka earthquake occurred on March 20th 2005 in North Kyushu. This region is thought that is difficult to occur earthquakes. It is possible for the Kego fault to cause great concern, because the Earthquake fault appeared on the north-western extension of the Kego fault. The fault is the active fault strikes NW-SE . As a research history, the study in the core is done, but the structural geologic study in the damage zone is scanty. Not only activity, it is very important to think of the motion image and deterioration environment of the fault and the fault rock around. I surveyed and analyzed the fault and the fault rocks on the Sawara granite and the Itoshima granite.

The study cleared the spread of damage zone, the motion image and character of substance and to catch development history. Furthermore, the data of the core showed earthquake fault of the West off Fukuoka earthquake and the Kego fault are not 1 continuation.