

## Atotsugawa fault drilling (1) - core observation and physical logging in fault fracture zone at Atotsugawa district -

# Kentaro Omura[1]; Futoshi Yamashita[1]; Ryuji Yamada[1]; Tatsuo Matsuda[1]; Eiichi Fukuyama[1]; Atsuki Kubo[1]; Kaori Takai[1]

[1] NIED

We performed 'Atotsugawa fault drilling' to investigate the structure of creep and adherence segment along the fault. We drilled down to the depth of 350m at Atotsugawa site where belongs to the creep segment. Heavily fractured and altered cores were recovered continuously. In the cores, we observed many shear planes holding fault gouge. Results of physical logging show features of fault fracture zone that were the same as the fault fracture zones of other active faults that we have drilled previously. The drilling site was situated in the fault fracture zone of Atotsugawa fault itself.