

In-situ IR measurement of clay minerals under ring-shear experiment

Tetsuro Hirono[1]; Satoru Nakashima[2]; Hidemi Tanaka[3]

[1] JAMSTEC; [2] Interactive Research Center, Tokyo Inst. Technol.; [3] Dept. of Earth and Planet Sci., Univ. Tokyo

The dewatering of clay minerals is one of essential factors on the rock-stick behaviour in plate-subduction type seismogenesis. The relationship between the dewatering process and frictional behaviour of clay minerals is aimed in this study. We present the preliminary result of in-situ IR measurement of clay minerals under ring-shear experiment.