

Rb-Sr ages, chemical compositions and grain sizes of biotite crystals from granitic rocks, North Kyusyu

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By measuring Rb-Sr ages of the biotite from the granite, we can get the cooling age of it. We are interested in the crystallization time of biotite. The Rb-Sr ages for the biotite from the Sawara granite is determined as $85\text{Ma} \pm 1.5\text{Ma}$, except for the crystals of 63 micro-meter and 88 micro-meter in diameter. The biotite crystal population of Haki granodiorite is composed of two groups, one is bigger than 400 micro-meter and another is smaller than 400 micro-meter in diameter. The bigger gives an age of 90 Ma and the smaller shows variation from 93 Ma to 87 Ma.