## K-Ar ages of volcanic rocks in southern Kyushu, Tokara Islands, and Okinawa Trough, Japan

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We obtained new K-Ar ages on the groundmass of volcanic rock samples from southern Kyushu, Tokara Islands, and Okinawa Trough which are important in the understanding of the temporal and spatial variations of Plio-Pleistocene volcanism in these areas. Three K-Ar ages obtained in southern Kyushu have the following ages: 3.32+-0.06 for Sendai basalt, 1.1+-0.7 Ma for Yuwandake andesite, and 0.07+-0.06 Ma for Aojiki basalt. The age obtained for Aojiki basalt is correlated to the basaltic tephra erupted within 103-95 ka. The K-Ar ages of older volcanic rocks in Tokara Islands are 0.16+-0.02 Ma and 0.15+-0.04 M for Kuchinoerabujima, 0.29+-0.02 Ma for Kuchinoshima, 0.49+-0.02 Ma and 0.47+-0.03 Ma for Nakanoshima, and 0.10+-0.03 Ma for Akusekijima. Lava flows at Suwanosejima have much younger ages of 0.06+-0.02 Ma and 0.05+-0.01 Ma. The submarine silicic lava at Iheya ridge in the Okinawa Trough yielded an age of 0.15+-0.02 Ma.