Volcanic history of the Sakurajima volcano estimated from the drill cores: Part 2. Paleomagnetism and K-Ar ages of lavas

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A paleomagnetic study and K-Ar dating were carried out on lava samples, taken from several drill cores at Sakurajima Volcano, Kyushu, Japan. At the Kurokami site (eastern part of the volcano), similar paleoinclenation and paleointensity of three lava flows suggest that these flows can be correlated with the Nagasakibana lava flow which is distributed south of the site. Varied paleomagnetism of lavas at different depth in the Harutayama site, may indicate intervals in the time of eruption. Since K-Ar ages and paleomagnetism, it is possible to be considered that lavas at bottom part of the Furusato site were erupted before the formation of the Aira Cardera.