

Thermoremanent Magnetism and Stratigraphy of Volcaniclastic Materials in Yufu-Tsurumi Volcano Group

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Yufu-Tsurumi volcano group is one of the most active volcano at Hoho volcanic zone, the north east Kyushu. About 2000 years ago, the growth and collapse of the Ikeshiro lava dome generated Merapi-type pyroclastic flows and the Ikeshiro pyroclastic-flow deposit was deposited (Kobayashi, 1984; Hoshizumi et al, 1988). Now we found the unknown volcaniclastic materials distributed the eastern part of the Ikeshiro pyroclastic-flow deposit. It is important that the mode of emplacement of this volcaniclastic materials makes clear. Therefore we collected rock samples at 2 sites, the one is at the Ikeshiro pyroclastic-flow deposit, the other is at the unknown volcaniclastic materials, made progressive thermal demagnetization experiment and measured thermoremanent magnetism.