

Examination of the paleointensity determination by the double heating technique of the Shaw method combined with the LTD (II)

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Tsunakawa (1997) suggested that the reliability of the paleointensity determination could increase if we would combine the low temperature demagnetization with the double heating technique of the Shaw method. This idea was applied to the samples from the Oshima 1986 lava in the last meeting (Yamamoto et al, 1998). In this study we have examined its validity with the Hawaiian 1960 lava which contains titanium-poor titanomagnetite. We also performed rock magnetic analyses in order to estimate the thermal alteration in the natural and laboratory conditions.