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Room: Lounge

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Demagnetization and magnetization beneath Numano-Taira Crater, Adatara Volcano revealed by magnetic survey

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Since summer in 1996, Volcanic activity of Numano-Taira Crater in Adatara Volcano has been in a little high level. Magnetic survey of total intensity was carried out since July, 1997. Significant changes of total intensity were observed in 1997-1998. The decrease in the southern part of crater is as much as 60nT, and the increase in the northern part was about 20nT. After 1998, the amount of magnetic changes were smaller than previous.

These changes seemed to be made by the change of rock magnetization beneath the crater caused by temperature variation. It is guessed that the demagnetization beneath the eastern part of the crater was remarkable in 1997-1998, and the magnetization beneath the northern part was dominant in 1999.