Clockwise rotation of the Oki-Dogo Island during the Japan Sea opening inferred from paleomagnetism

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We have measured paleomagnetic samples from the Tokibariyama,Kori,Kumi formations(24~10.5Ma) and Oki trachyte-rhyolite(6.8Ma) to reveal the movement of the Oki-Dogo Island during the Japan sea opening time.

As the result,it is revealed that the Tokibariyama,Kori and Kumi formations have similar declinations on which the mean value of those is 40.7 degree,however the Oki trachyte-rhyolite has an average declination of -14.4degree.This suggests that Oki -Dogo was rotated clockwise about 55degree during a period between 15 and 6.8Ma.