

Correlation and recurrence intervals of turbidite deposition in the Ryuyo Submarine Canyon, off Tokai, Japan

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Two sediment cores were collected from the channel floor of the Ryuyo Submarine Canyon, which is an abandoned canyon off Tokai, to evaluate fault activity of the Kodaiba Thrust. Using total 16 radiocarbon age determinations and 2 ash identifications, some of turbidite layers in two cores can be correlated each other. Judging from radiocarbon dating results, recurrence intervals of turbidites are calculated as 300-600 years.