

Geomagnetic excursions and short reversal events during the Quaternary in Kinki district

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A chronological framework for the geomagnetic excursions and short reversal events reported from the Quaternary in Kinki district was reexamined based on the tephrostratigraphy and sequence stratigraphy. Ages of the seven events from the Lake Biwa 200-m core were reestimated as follows. A mid-age [duration] in ka was estimated as 28 [0.9] for event A, 39 [0.4] for B, 42 [1] for C, 70 [5] for Biwa 0, 116 [6] for Biwa I (Blake), 195 [2.5] for Biwa II, and 240 [10] for Biwa III. Four events from the Osaka Group were reported at 0.69, 0.85, 0.87, and 1.60-1.58 Ma. These eleven events mostly coincided with the paleointensity minima reported from deep-sea sediments in the Pacific. Both data will contribute greatly to Quaternary science as a reliable dating tool.