

Magnetostratigraphy of the early to middle Anisian (Middle Triassic) bedded chert in the Inuyama area, southern Mino terrane

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Paleomagnetic and paleontologic studies of Middle Triassic to earliest Jurassic radiolarian bedded chert in the Inuyama area, southern Mino terrane, have shown that the chert was deposited in an equatorial region. Paleomagnetic polarity reversals were observed for the lower to middle Anisian chert, and they can be inversely-correlated with those of the European Triassic sections under the radiolarian and conodont biostratigraphic controls. This magnetic polarity assignment leads to the conclusion that the Anisian chert in Inuyama was deposited in the southern hemisphere at the paleolatitude of 5.6 ± 2.2 degrees in southern hemisphere, which gives a paleogeographic constraint to the chert-bearing accretionary complexes in Japan.

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