

Paleomagnetism and a fission track age of Miocene rocks in the Daigo-Yamagata-Katsura area, Northern Ibaraki

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Fission track age(20.6Ma) of the Kitatake Formation and reverse polarities of the Asakawa, Ogaino and Katsumizawa Formation show that these formations are either Chron C6r(20.518-20.131Ma) or Chron C5Er(19.048-18.781Ma) or Chron C5Dr(18.218-17.615Ma). It exhibits that the Kitatake, Asakawa, Ogaino and Katsumizawa Formations are the same age as the Ichiba and Motokozawa Formations in the Motegi area. These results suggest that the strike-slip basin developed in the Daigo-Yamagata-Katsura area at early Miocene.