

美濃帯坂祝セクションの層状チャートから解読した三疊紀海水Os同位体比変動

Triassic marine Os isotope record reconstructed from a pelagic chert succession, Sakahogi section, Mino Belt, southwest Japan

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Pelagic cherts preserved in accretionary complexes represent former seafloor sediment that can retain geochemical evidence of paleoceanographic conditions that predate the oldest extant oceanic crust. The ratio of Os isotopes in seawater, in particular, is of wide interest as a source of insight into notable geologic events such as oceanic anoxic events, rapid global warming episodes, and eruption of large igneous provinces, but marine Os isotope records from before 80 Ma are scarce. We present a record of secular variations of marine Os isotope ratios from a thick, continuous succession of Middle and Upper Triassic pelagic chert in the Sakahogi section of the Mino Belt accretionary complex.

キーワード：チャート、Re-Os同位体、三疊紀、付加体、美濃帯、西南日本

Keywords: Chert, Re-Os isotope, Triassic, Accretionary complex, Mino Belt, Southwest Japan