

MIS025-04

会場:104

時間:5月24日 09:15-09:30

美濃帯坂祝セクションに産するチャート試料から復元した三畳紀古海水のOs同位体比変動と古海洋環境変動

Reconstruction of Os isotope record of the Triassic seawater based on chert samples from the Sakahogi Section, Mino Belt

野崎 達生^{1*}, 二階堂 崇², 高谷 雄太郎³, 鈴木 勝彦¹, 加藤 泰浩³, 松岡 篤²

Tatsuo Nozaki^{1*}, Takashi Nikaido², Yutaro Takaya³, Katsuhiko Suzuki¹, Yasuhiro Kato³, Atsushi Matsuoka²

¹(独) 海洋研究開発機構, ²新潟大・自然科学, ³東大・工

¹JAMSTEC/IFREEE, ²Niigata Univ., ³Univ. of Tokyo

We reconstruct the secular change of the Triassic marine Os isotope record based on the chert samples, Sakahogi Section, Mino Belt. The Sakahogi section is one of the most suitable sections in order to decipher paleo-ocean environmental change due to its perfectly continuous stratigraphy ranging from the Early Anisian to Early Rhaetian (ca. 40 Myr). Our main goals are (1) understanding the amplitude of the Os isotope variation in the Triassic seawater, (2) comparing the marine Os isotope record with that of Sr isotope and (3) elucidating the paleo-ocean environmental change based on the Os isotope record together with whole-rock major and trace element geochemistry.

キーワード: Os 同位体比, 三畳紀, 古海洋環境, チャート, 坂祝セクション, 美濃帯

Keywords: Os isotope composition, Triassic, paleo-ocean environment, chert, Sakahogi Section, Mino Belt