

三畳紀パンサラサ海遠洋域の古地磁気・化石層序の統合に向けて Towards an integrated Triassic magneto-biostratigraphic time scale for the pelagic Panthalassa Ocean

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The aim of this study is to contribute to the development of an integrated geologic time scale for the Middle and Upper Triassic Panthalassic sites. The chronology for the Triassic pelagic deposits in the Panthalassa Ocean is based on the radiolarian zonation, which is well established in the Middle and Upper Triassic bedded chert successions in the Japanese accretionary complex. Although accurate calibration for the chronostratigraphic stages and substages are established basically by means of ammonites and conodonts, most of the Japanese radiolarian zones were calibrated through correlation with zonal schemes established in other regions, and have not been calibrated with magnetostratigraphy and conodont biostratigraphy. Here we present the results of magneto- and biostratigraphic study of two Triassic sections in Japan: (i) Middle Triassic Ajiro section in the Tsukumi area, Chichibu Terrane and (ii) Upper Triassic Sakahogi section in the Inuyama area, Mino Terrane. The study sections are correlated with the Triassic geomagnetic polarity timescale by means of radiolarian and conodont biostratigraphy.

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