

Relative paleointensity of geomagnetic field during the last 3 Myr

Toshitsugu Yamazaki[1]; Hirokuni Oda[1]; Shungo Kawagata[2]

[1] MRE, GSJ, AIST; [2] Geomarine Research

<http://staff.aist.go.jp/toshi-yamazaki/>

Since the establishment of a stacked paleointensity record during the Brunhes Chron (Sint-800), researches on relative paleointensity have been directed to obtaining high-resolution records during the last ca. 100 kyr such as the NAPIS-75, and to extending records towards ages older than the Brunhes. We present relative paleointensity records since 3 Ma obtained from sediment cores in the equatorial Pacific (the West Caroline Basin and Manihiki Plateau). The variations are characterized by quasi-periodic occurrence of intensity lows throughout the record, and many of them seem to correspond to previously reported excursions or polarity boundaries. These features are similar to those observed during the Brunhes. The asymmetric sawtooth pattern was not observed.