

**Paleomagnetic study of on-shore drilling samples from the Ananai Bed, Kochi Prefecture.**

# Takaya Shimono[1]; Masayuki Torii[1]; Kazuto Kodama[2]; Yuhji Yamamoto[3]; Hiroki Ohshiro[4]; Yasuo Kondo[5]

[1] Dept. Biosphere-Geosphere, Okayama Univ. Sci.; [2] KCC; [3] Kochi Univ.; [4] Nat-Env Sci., Kochi Univ; [5] Earth History, Kochi Univ.

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The second on-shore drilling of coarse-grained shallow marine sediments from the Ananai Bed of the Thonohama Group was conducted close to the first site (ANA-1: Kodama et al., 2006) in 2007. Length of the recovered core sediments is about 86 m, and are subdivided into 72 sections of 1m in each length.

We sub-sampled 69 U-channel samples and measured their remanence by using a pass-through cryogenic magnetometer at the Center for Advanced Marine Core Study of Kochi University. Characteristic remanent directions were determined for about 6900 horizons after progressive AF demagnetization.

We found clear reversal of remanent direction at 5 horizons. The reversal at uppermost horizon could be correlated with the base of the Kaena Subchron, and the lowest reversal with the top of Cochiti Subchron.

These results do not simply duplicate the previous one (ANA-1) and perform to augment the incomplete record of ANA-1. We found that the cores recovered from double holes are very effective in determining precise paleomagnetic record.