

## The paleomagnetic and rockmagnetic study on sediment cores from the north-west Pacific Ocean

# Sayuki Koyama[1], Hideo Sakai[2], Toshiya Kanamatsu[3]

[1] Earth Science Sci., Toyama Univ, [2] Earth Sci., Toyama Univ., [3] JAMSTEC

Three sediment cores (PC1, PC2 and PC3) obtained at MR98-03 cruise from the north-west Pacific Ocean were studied by rock-magnetism and paleomagnetism. The length of each core is 11.75, 13.3 and 15.6m, respectively. Comparing them with a geomagnetic polarity time scale (Cande and Kent, 1995), the age of PC2 and PC3 cores is estimated to over the past 2.5Myr. PC1 core showing only the normal inclination remanence is suggested to be in the age of Brunhes epoch. Frequency analysis is subjected on the susceptibility data of PC2 and PC3 cores, which shows the dominant frequency of cyclicity with two hundreds thousand years.