

## The magnetic characteristic of the marine sediment obtained in the Western Philippines Basin

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A series of piston coring was performed in 1998 and 1999 to know environment change history in the Philippine Sea using magnetic analysis. A result of measurement of NRM and magnetization with step-wise AF-demagnetization on samples confirms that sediments record of the magnetic polarity changes clearly. One core accumulated in Brunhes epoch through all sections. Three core record magnetic polarities up to Jaramilo epoch, and other three Olduvai epoch. The minimum of the magnetic susceptibility near 0.5-1.0Ma is observed in each core. The sedimentation rate calculated from polarity change maker suggests slightly higher rate than other periods. It is possible to interpret that flux increasing in this period bring the dilution effect of concentration of magnetic mineral.