

Paleomagnetic direction anomaly derived from folding in Mera Formation, Chikura Group, southernmost part of the Boso Peninsula

Takeshi Hamada[1]; Makoto Okada[1]

[1] Dept. Env. Sci., Ibaraki Univ.

Samples for paleomagnetic study were collected from Mera Formation, Chikura Group in southernmost part of the Boso Peninsula. Some of them, collected near folding axes, showed shallower paleomagnetic inclination than expected paleofield inclination. Anisotropy of magnetic susceptibility(AMS) of the specimens showed that the minimum axes of AMS, normally point around the vertical axis, appeared to rotate around the direction of the fold axis. This result may suggest that folding made magnetic grains rotate and consequently paleomagnetic direction was changed.