

Magneto-Oxygen isotope stratigraphy on the Upper Pliocene Mera Formation, Chikura Group in the southern Boso Peninsula

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The Mera Formation is thought to be deposited at around 3Ma indicating the period of which a north hemispheric continental ice-sheet has started to grow. We have tried to reconstruct magnetostratigraphy and oxygen isotope stratigraphy. The results show that the Kaena and Mammuth reversed polarity zones are found and the average sedimentation rate is calculated as 60cm/kyr. Oxygen isotopic measurements on benthic foraminifers indicate a variability being correlated with the oxygen isotopic stages G16, 17, 18 and 19.