## Geomagnetic field in the Matuyama and the Gauss Chron at IODP Site U1314 in the North Atlantic

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Recently, paleomagnetic studies on marine sediment cores developed rapidly. The relative paleointensity variations during the last 800 kyrs (Sint-800) were established in the Burunhes Chron. Analysis of the Matuyama Chron and the Gauss Chron is expected. In this study, a high-resolution paleomagnetic record in ca. 1.8-2.6 Ma is reported for IODP Site U1314 (300m long), drilled on the southern Gardar Drift in a water depth of 2800m, off Iceland in the North Atlantic. Based on the onboard magnetostratigraphy and biostratigraphy, the sedimentation rate is estimated to be 8-11 cm/kyr. Stepwise AF demagnetic reversals and the excursions in this period are discussed. The estimated variation in the relative paleointensity shows several low values accompanied by large directional changes. We will perform spectral analysis of the record of relative paleointensity.