

IODP Bremen Core Repository Scanning/Sampling Visit

Two of Dr. Audrey Morley's PhD students from the Palaeoenvironmental Research Unit (PRU), Megan Murphy O' Connor and Dakota Holmes visited the IODP Bremen Core Repository at MARUM located within the University of Bremen from the 4th-15th March 2019. During these two weeks, they XRF (X-ray fluorescence) core scanned and collected samples from sediment cores originally collected in July 1983 from the Feni Drift, DSDP site 610 A and B. 32 sections of core were scanned in total, spanning 800,000+ years, throughout the first week of their visit. The results of the XRF scanning revealed a high-resolution climate archive allowing them to correctly identify abrupt climate events and interesting intervals to sample for their respective projects. During the second week of their visit nearly 650 samples were collected, covering two glacial inceptions and two unique interglacial periods. As a happy coincidence, their trip coincided with the 25th Anniversary of the Bremen Core Repository on Tuesday 12th March, which was marked by a symposium at the Haus der Wissenschaft (House of Science) in Bremen full of excellent talks on the ongoing research using IODP cores.

