Overview

Shipboard paleomagnetists conduct paleomagnetic and rock magnetic measurements of recovered rocks and sediment for a variety of studies, such as those on magnetostratigraphy, geomagnetism, tectonics, and environmental change. Typically measurements are conducted on the archive half of each core using the 2G Enterprises 760-4K Superconducting Rock Magnetometer (SRM). In addition, discrete samples (~6-10 cm³ paleomagnetic cubes or mini-cores) may be taken from the working half of cores for additional measurements using the SRM or spinner magnetometers as well as other instruments in the lab.

Superconducting Rock Magnetometer (SRM)

- SRM Quick Start Guide
- SRM User Guide
- Shanghai SRM Assessment 2017-07-19

AGICO JR-6A Spinner Magnetometer

- JR-6A Spinner Magnetometer Quick Start Guide
- Agico orientation parameters

D-TECH D-2000 Alternating-Field (AF) Demagnetizer

- DTech AF Demagnetizer User Guide

Icefield MI-5 Multishot Orientation Tool

- MI5 Multishot Orientation Tool User Guide
- MI5 Multishot Orientation Tool Quick Start Guide
Flex-IT Orientation Tool

- FlexIT Orientation Tool User Guide

Kappabridge (Magnetic Susceptibility Meter)

- Kappabridge User Guide

Paleomagnetism Lab Support Equipment

- Cryomech Compressor and Haskris Chiller
- Paleomagnetic Standards

PmagPy

- PmagPy User Guide