MISO Facility

MISO Instrumentation

**TowCam**
TowCam is a specially designed digital camera system that photographs the seafloor as it is towed above the ocean bottom behind an oceanographic research vessel.

**MC-800 Multicorer with MISO real-time camera & CTD**

**Marine BGM-3 Gravimeters**
The WHOI-MISO Facility provides BGM-3 gyrostabilized marine gravimeters to the UNOLS community through the ‘Potential Fields Pool Equipment’ (PFPE) section. PFPE provides hardware spares, maintenance and troubleshooting support for the BGM-3 gravimeters for all UNOLS ship operations groups.

**Marine Magnetometer**
The WHOI-MISO Facility provides BGM-3 gyrostabilized marine gravimeters to the UNOLS community through the ‘Potential Fields Pool Equipment’ (PFPE) section. A SeaSpy Marine Magnetics magnetometer towfish and cable/reel system are available to UNOLS operators requiring a spare or replacement system.

**Deep Sea Cameras and Strobes**
Photographs of the sea floor provided some of the first clues about the abundance of life in the deep ocean, lava flows on the mid-ocean ridge crest, and evidence for hydrothermal venting.

**Acoustic Transponders**
The MISO Facility’s transponders are available to users requiring seafloor navigation in addition to what may be provided by the NDSF, or other programs that require on-bottom acoustic navigation.

**High Temperature Loggers**
The MISO Facility’s self recording loggers are rated to 6000m operating depth and have been pressure certified for use on Alvin. They have been used extensively and successfully at hydrothermal vents in the Pacific and Atlantic Oceans by numerous investigators over the years.

**Deep Sea Batteries & Switches**
The MISO Facility’s Deep Sea Power & Light (DSPL) SeaBatteries are capable of outputting 24 Volts Direct Current (DC) with average current capacity of 42 Amps/Hour.