Rig floor
9.5 m
or
4.7 m
Core receiving
("Catwalk")
1. Cut into 1.5 m long sections
2. Core catcher (CC) samples
3. Syringe samples
Headspace (HS)
Microbiology (MBIO)
Whole-round (WR)
Core deck laboratories
Core description, Petrophysics, Paleomagnetics, Micropaleontology
Section length and sample into database and labeled
X-ray imaging
WRMSL
Density
Velocity
Magnetic susceptibility
NGR
Thermal conductivity
Split cores
Archive half (A)
Working half (W)
Archive half
Section Half Image Logger (SHIL)
Section Half Multisensor Logger (SHMSL)
Images, color reflectance
magnetic susceptibility,
description, smear slides
Paleomagnetics
Working half
SHMG - velocity
Shear vane
Thermal conductivity
Sampling
Moisture and density
Micropaleontology,
Biostratigraphy
Personal samples
Focsle core deck laboratories
Geochemistry, Microbiology, XRD, Thin section
Squeeze for porewater
ICP-AES (major, minor, trace)
IC (cations, anions)
SP (ammonium, phosphate)
Titration (alkalinity, chloride)
Salinity
pH
Hydrocarbon
monitoring (HS)
Gas analysis
Source rock analyzer
Microbiology
Sample preparation
and preservation
TC, TOC, TN, TS, $CaCO_3$
XRD
ICP (major, minor, trace)
Thin sections
Sections, samples, and residues
Samples, residues
Storage on ship: -80°C, -20°C, 4°C, ambient
Shipping
Sections, samples, and residues
Samples, residues
Bremen Core Repository
Samples, residues
Scientists