

- Summaries

- Hole Summary
- Hole Summary List
- Core Summary
- Section Summary
- + Drilling Reports**
- Analysis Counts

coordinates, water
depths, drilling depths

- Curation and Samples

- Sample Report
- Piece Log Report
- + Curator Reports**

all samples collected
(entered in SampleMaster)

- Images

- + Core composites (COREPHOTO)
- + Core Sections (LSIMG) **SHIL**
- + Whole-round Core Sections (WRLSC) **SHIL** (hard rock)
- + Core Closeups (CLOSEUP)
- + Photomicrographs (MICROIMG)
- + Thin Sections (TSIMAGE)
- + Scanning Electron Microscope (SEM)
- + X-ray images (XSCAN)

all images of cores and
samples

collected by core
describers, micropaleo*

SHIL, SEM, XSCAN

*x-ray may be collected by physical properties for whole-round
 Descriptions: <http://web.ship.iodp.tamu.edu/DataAccess>

- Magnetism

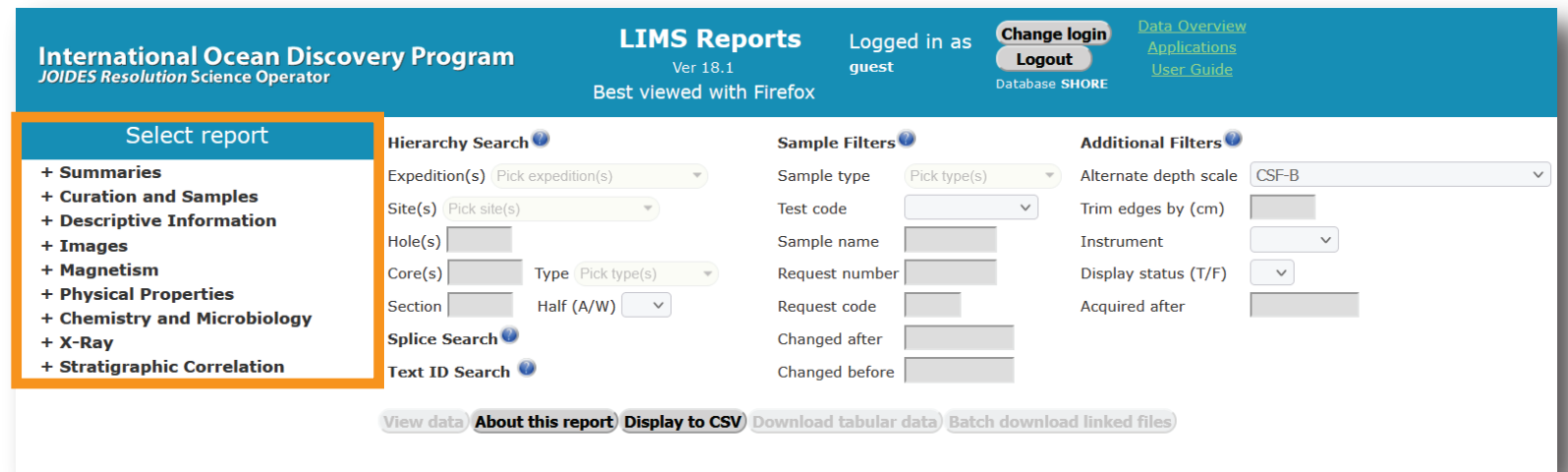
- + Magnetic Remanence (SRM)
- + Spinner Magnetometer (JR6A)
- + Orientation (ORIENT)
- + Magnetic Susceptibility - Pass-through (MS) **WRMSL/STMSL**
- + Magnetic Susceptibility - Point or Contact System (MSP) **SHMSL**
- + Magnetic Susceptibility - Kappabridge (KAPPA)

all magnetic data from
cores and samples

collected by
paleomagnetists*

**SRM, JR6A, KAPPA,
WRMSL/STMSL,
SHMSL**

SHIL - Section Half Imaging Logger
SHMSL - Section Half Multisensor Logger
STMSL - Special Task Multisensor Logger
WRMSL - Whole-Round Multisensor Logger



LIMS Data and Instruments

- Physical Properties

- + Gamma Ray Attenuation Bulk Density (GRA) **WRMSL/STMSL**
- + Magnetic Susceptibility - Pass-through (MS) **WRMSL/STMSL**
- + Magnetic Susceptibility - Point or Contact System (MSP) **SHMSL**
- + Moisture and Density (MAD)
- + Natural Gamma Radiation (NGR)
- + P-wave Velocity - Logger System (PWL) **WRMSL/STMSL**
- + P-wave Velocity - Caliper System (PWC)
- + P-wave Velocity - Bayonet System (PWB)
- + Reflectance Spectroscopy and Colorimetry (RSC) **SHMSL**
- + RGB Channels (RGB) **SHIL**
- + Shear Strength Automated Vane (AVS)
- + Shear Strength Torvane (TOR)
- + Compressional Strength Penetrometer (PEN)
- + Downhole Temperature
- + Thermal Conductivity (TCON)

all physical properties
data from cores and
samples

collected by
physical properties and
core descriptors

**WRMSL/STMSL, SHMSL,
SHIL, NGR, MAD, PWC,
PWB, AVS, TOR, PEN,
TCON**

- Chemistry and Microbiology

- + Interstitial Water (IW) **IC, ICP, C**
- + ICP-AES Solids
- + Carbonates **CHNS, coulometric**
- + Source Rock Analysis (SRA)
- + Gas Elements **GC**

all chemical data from cores and samples
collected by chemistry lab

- X-Ray

- + X-Ray Diffraction (XRD)
- + Portable X-Ray Fluorescence (PXRF)
- + Shore X-Ray Summary (XRF)

*XRF shore at GCR postcruise

all X-ray data from cores
and samples

collected by
core descriptors and
physical properties

- Stratigraphic Correlation

- List of Affine Tables
- Affine Tables
- List of Splice Interval Tables
- Splice Interval Tables

composite depth scales
and splice intervals

as defined by
stratigraphic correlators

CHNS - carbon, hydrogen, nitrogen, sulfur
GC - gas chromatography
IC - ion chromatography
ICP - inductively coupled plasma spectroscopy