

# Data Information System (DIS) Introduction

# Server System Requirements

## ■ Hardware

1. Pentium 4, 2 GHz

2. CD-Recorder (data backup)

3. USB

4. PCMCIA

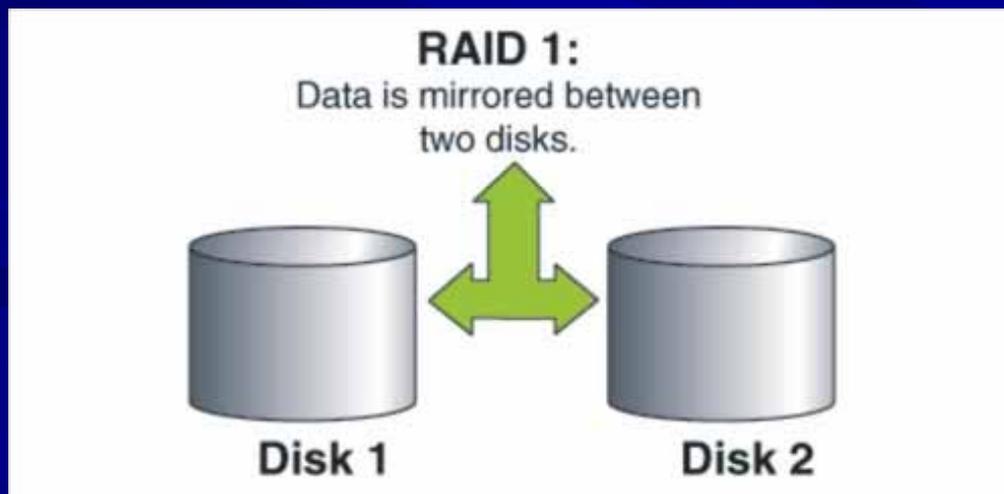
5. Network-Interface: LAN, WLAN, ADSL

6. Disk Raid 0+1

6. Corescanner; Digital camera

# RAID level 0+1

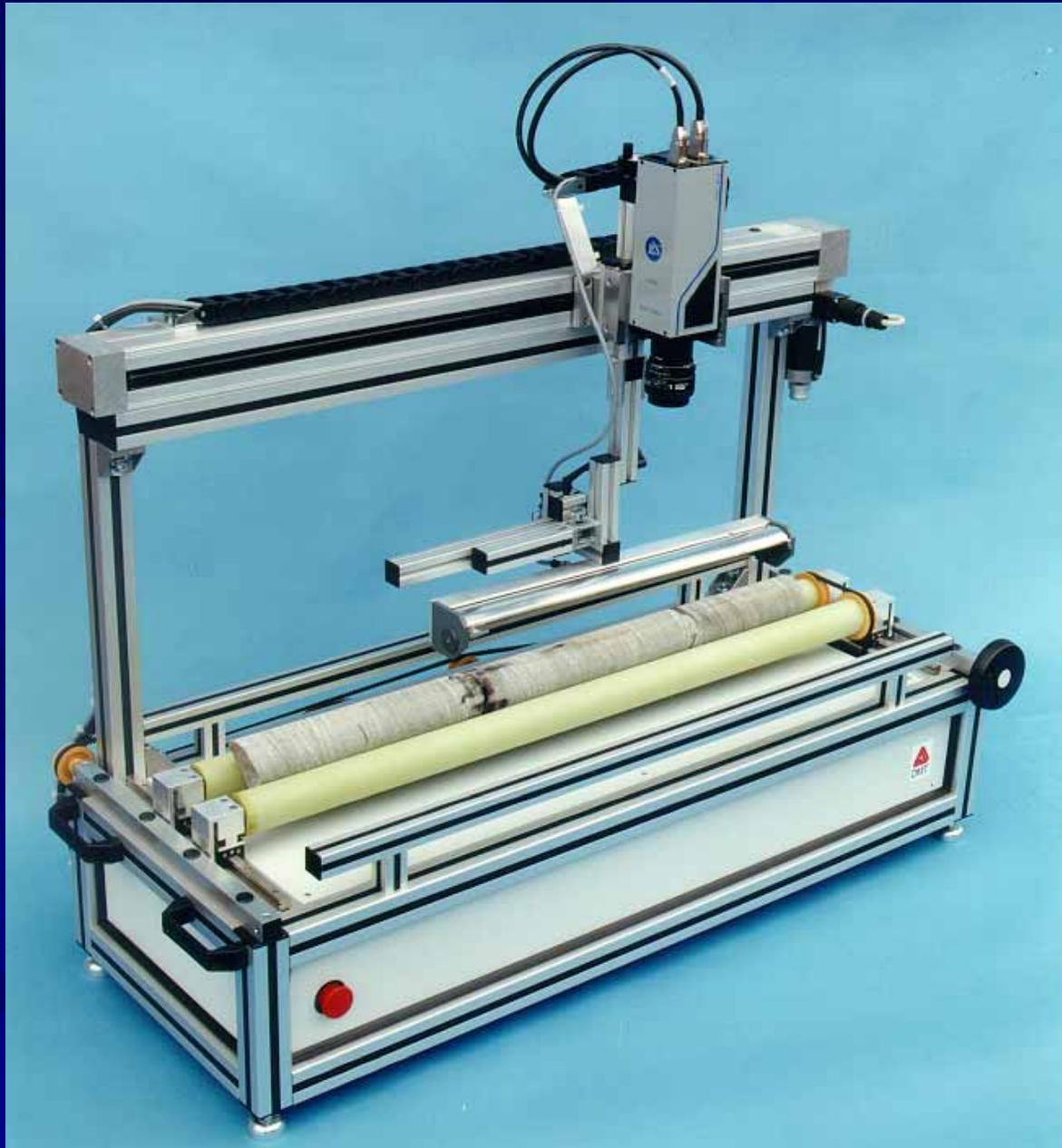
- 又稱"磁碟鏡像" Disk Mirroring. 它可將兩顆硬碟機為一組,,其內部資料是完全一樣的.
- 讀取資料 - 較快, 因為其中的任何一個硬碟都有資料。
- 寫入資料 - 較慢, 因為同時間直接同時寫入多顆硬碟。
- 備份功能 - 安全性最高。
- 費用 - 較高, 由於硬碟機使用率只有 50%。



# System Requirements

## ■ Software

1. Operation-system:MS 2000 Server  
(with IIS & IE)
- 2.MS Office XP (Acess is needed)
- 3.MS SQL Server 2000
- 4.All update to the most recent service packs



# CORES IMAGING



# Core imaging

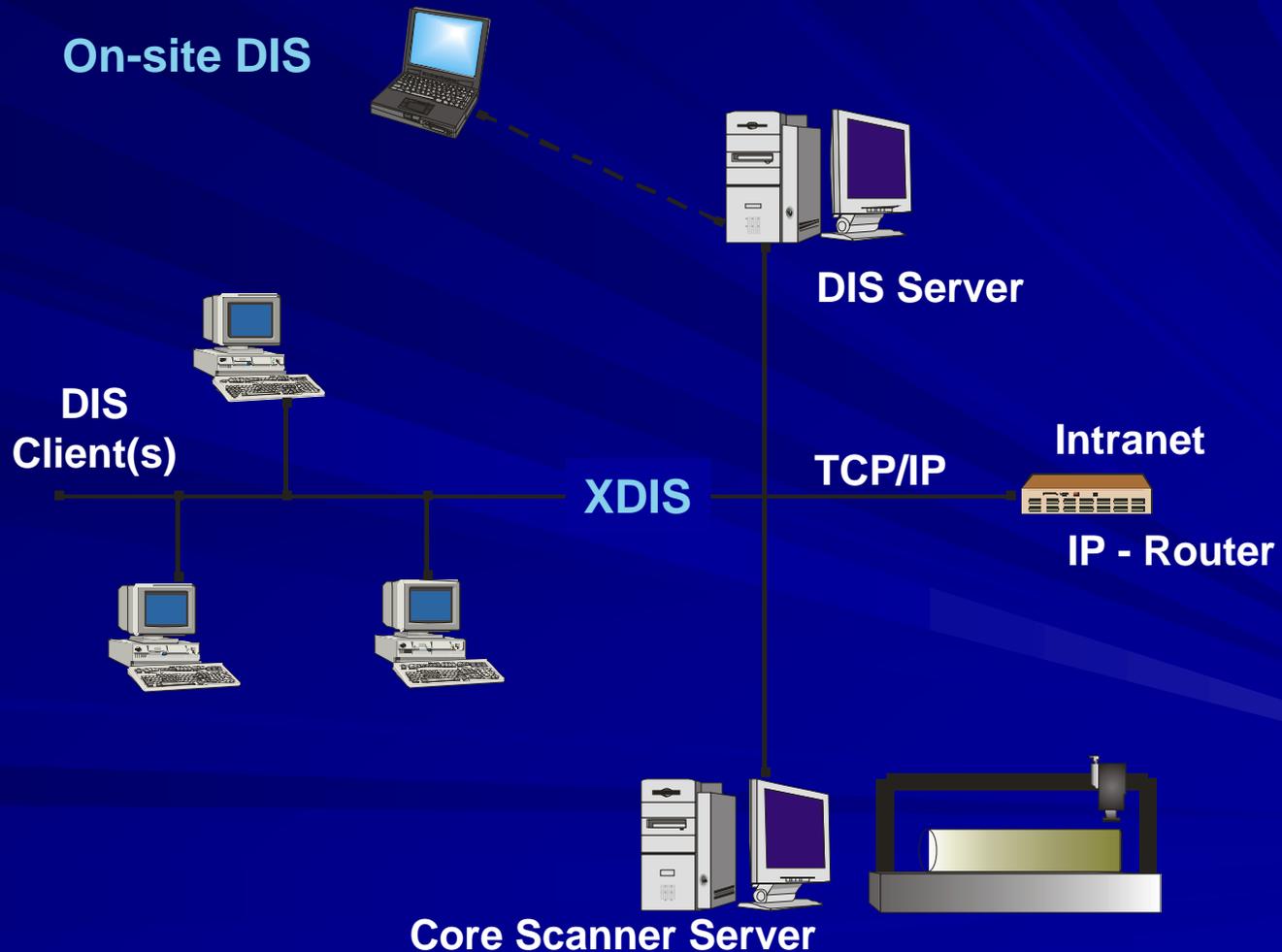
- Scanning :  
Generally the slabbed cores are scanned.  
Only cores with unusual features are scanned unrolled?



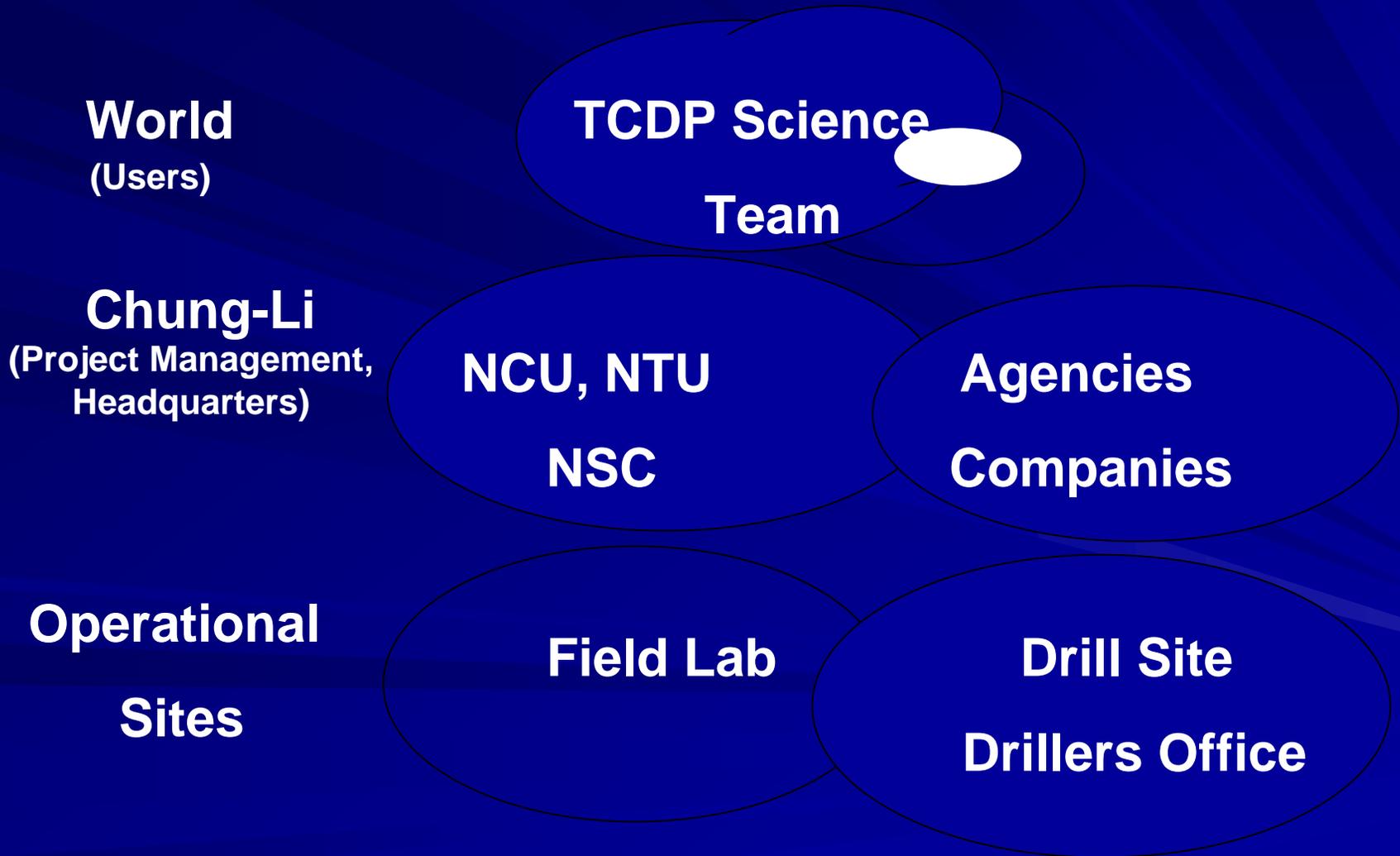
slabbed

unrolled

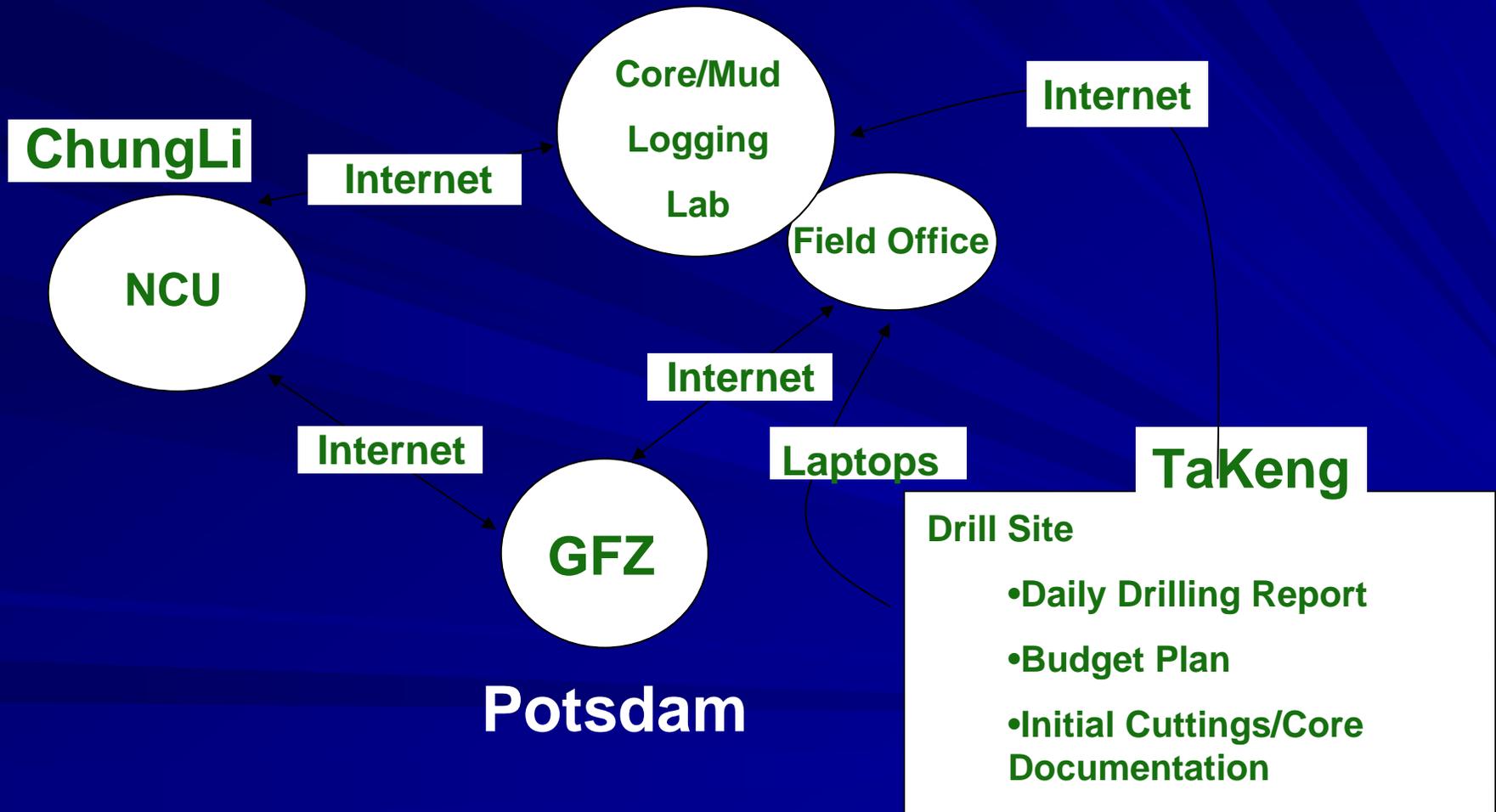
# DIS- Local Infrastructure



# TCDP Network Agents



# TCDP Network Topology



# Targets

- tool to build and maintain the DIS individually designed for a distinct drilling project
- operational support in on-site data management
- consistent database integrating different types of information
- use of improved user interfaces
- data pool ready for comprehensive lithological reports
- data pool ready for the ICDP Data Webhouse

# DIS SYSTEM PERSONNEL

## System Administrator

- maintenance of hardware, operating system and network operability
- user support

## Database Administrator / Data Curator

- maintenance of DIS database and user interface
- user support

# Personnel On Site

- Chief Geologists

defining the standard for lithological description and sampling

- Supervisors

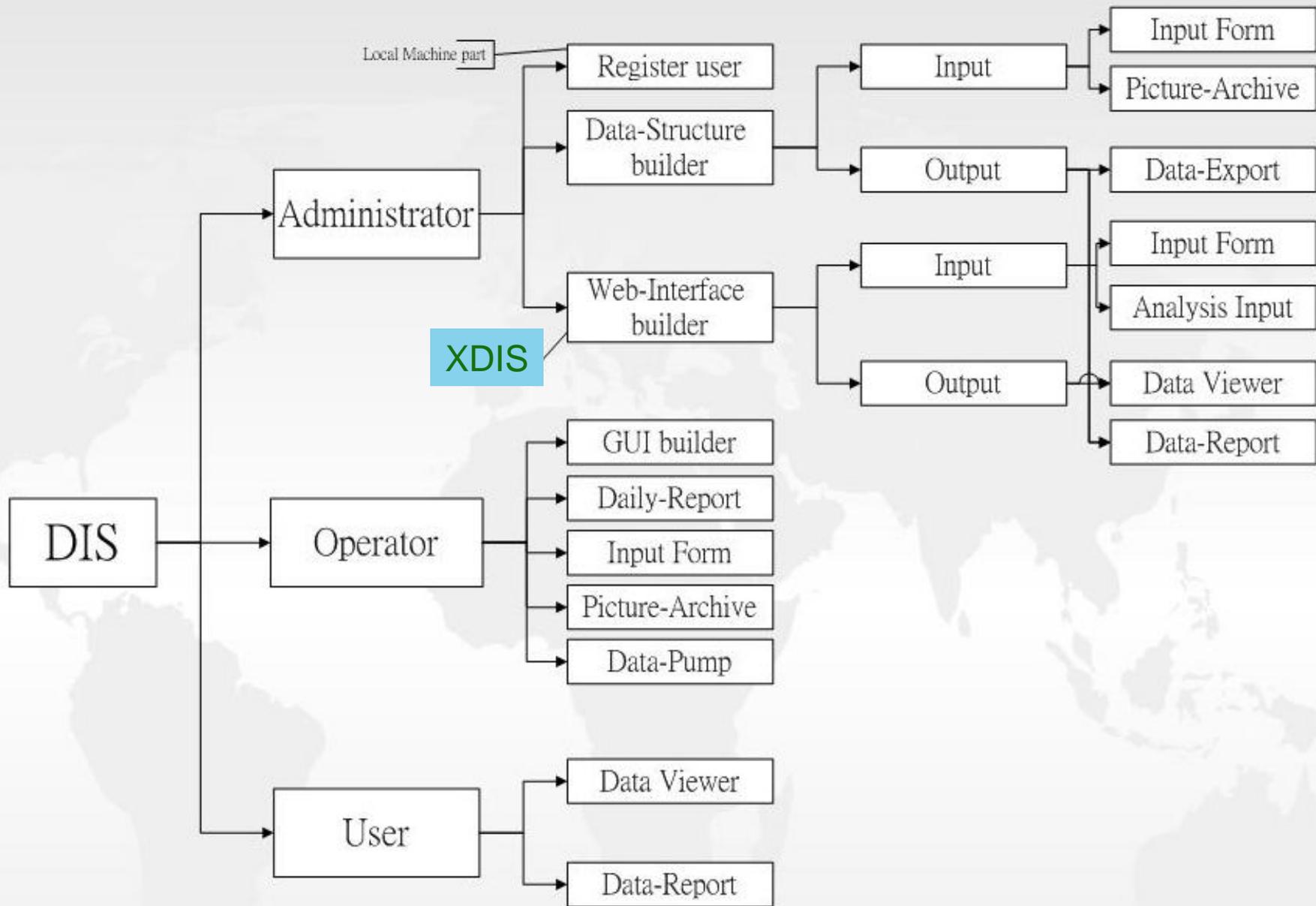
geologists in charge per shift responsible for the logging workflow and training on the job

- Scientists, Technicians, Volunteers

cutting and core handling, documentation and lithological description

# DIS Will **NEVER** Be

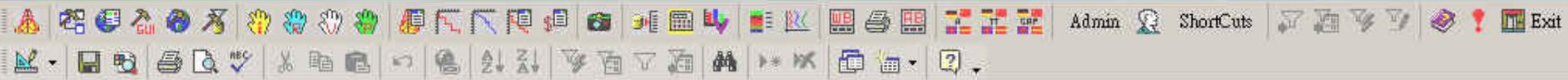
- An active online real time monitoring system
- An active measuring or logging system
- An application for interpreting or evaluating data



# DIS GROUP-I\_ADM

## ■ Administrator

1. Define internal-scheme (data template)
2. Define external-scheme (data views, data reports, input forms, data pumps)
3. Web-Interface-Builder
4. Daily drilling report items designation



Drilling Information System

Drilling Information System | Establish the system | Data Input | Data Output

**DIS 6FZ**

Welcome to the Drilling Information System

A tool to create, establish and manage an Information System for Drill Sites

---



**Introduction / Help** 

**Exit DIS** 

smartcube

The main window displays a graphical user interface for the Drilling Information System. It features a title bar, a menu bar with options like 'Establish the system', 'Data Input', and 'Data Output', and a main content area. The content area includes a welcome message, a world map with drilling rig icons, and buttons for 'Introduction / Help' and 'Exit DIS'. The 'smartcube' logo is visible in the bottom left corner of the main content area.

# DIS Base-classes

- Define 5 classes

1. Analysis

2. Borehole Measurements

3. Drilling Engineering

4. Picture Archive

5. Samples

6. Well

# Data-STRUCTURE Template BUILDER

DIS: Datastructure-Builder

select template delete template/type

please select a sample template DIS6FZ

---

**select Information Class** **templates of selected class**

SAMPLES TCDPTPL\_CO

---

**already defined types of selected information class** **structure of selected template**

GEN_TYPE	GEN_DESC
HSDP_MU	mud samples out of the drilling-spilling
HSDP_SX	table of special samples from HSDP
TCDP_CU	cuttings out of the drilling-spilling
TCDP_CO	core archive of TCDP drill holes
TCDP_LI	lithological description of TCDP drill holes
TCDP_SA	sample archive of TCDP drill holes
TCDP_MU	mud samples out of the drilling-spilling
TCDP_GP	geophysical data from the TCDP Field La
TCDP_GAS	gas samples out of the borehole

prefix of new type suffix of new type

TCDPTPL CO

enter a short description for the new type:

core archive of TCDP drill holes

OK

**structure of selected template**

- COREBOXES/table of all TCDP core boxes (working be
- CORERUNS/table of all TCDP core runs
- BOXUNITS/table of all TCDP box unit descriptions
  - FEATURES/table of other features in TCDP box uni
  - TECTONICS/table of tectonical features in TCDP bc
  - POINTCOUNTS/table of point count measurements :

# Base-structure

The screenshot shows the 'DIS: Datastructure-Builder' application window. The interface is divided into several key areas:

- Defined relations list box:** Located on the left, it contains a list of existing components: CORE\_RUN/core run description, CORE\_BOX/core box description, and CORE/core piece description.
- Type / template structure list box:** Located on the right, it shows the hierarchical structure of a new type/template. It includes components like COMPRESSTRENGTH, DENSITY, ELECTR\_RES, GAMMA\_RAY, RELAXATION, REMANENCE, RFL\_LHT\_MCR, RFL\_LHT\_MCR\_MIN, SUSCEPTIBILITY, TENSIL\_STRENGTH, THERMAL\_COND, THERMAL\_COND\_TR, THIN\_SEC, ULTRASON\_AX\_VP, ULTRASON\_AX\_VS, ULTRASON\_RA\_VP, XRD, and XRF.
- Information Class selection box:** A dropdown menu at the bottom left currently set to 'SAMPLES'.
- Template selection box:** A dropdown menu at the bottom center currently set to 'KTB\_MUD'.
- Component selection box:** A list box at the bottom left showing 'MUD\_FLUIDS/description of mud-fluid samples' with sub-items 'DRILL\_FLUID\_ANION/gas-chromatographie measurements' and 'DRILL\_FLUID\_KATION/gas-chromatographie measurements'.
- Confirmation button:** An 'OK' button at the bottom center.
- Open new component window:** A 'new component' button at the bottom right.

Annotations with red arrows point to these elements: 'Adapt base structure tabstrip' points to the 'base structure' tab; 'Defined relations list box' points to the left list; 'Type / template structure list box' points to the right list; 'Information Class selection box' points to the 'SAMPLES' dropdown; 'Template selection box' points to the 'KTB\_MUD' dropdown; 'Component selection box' points to the 'MUD\_FLUIDS' list; 'Confirmation button' points to the 'OK' button; and 'Open new component window' points to the 'new component' button.

# Definition Database

The screenshot shows a software application window titled "Drilling Information System". The main window displays a "Definition Database" for a project named "ServerDIS\_TCDP". The database contains a list of tables, each with a name and a description. The tables are organized into groups: "Tables", "Queries", "Database Diagrams", "Forms", "Reports", "Pages", "Macros", and "Modules". The "Tables" group is currently selected, and the list of tables is displayed in a table format with columns for "Name", "Description", and "Modified".

Name	Description	Modified
TCDPTPL_CO_D		
TCDPTPL_CO_FEATURES_M		
TCDPTPL_CO_POINTCOUNTS_M		
TCDPTPL_CO_TECTONICS_M		
TCDPTPL_CU_CUTTINGS_M		
TCDPTPL_CU_D		
TCDPTPL_CU_DESCRIPTION_M		
TCDPTPL_CU_ROCK_COMPONENTS1_M		
TCDPTPL_CU_ROCK_COMPONENTS2_M		
TCDPTPL_CU_ROCK_COMPONENTS3_M		
TCDPTPL_CU_SIEVINGS_M		
TCDPTPL_GAS_D		
TCDPTPL_GAS_GASCHROM_M		
TCDPTPL_GAS_MASSSPEC_M		
TCDPTPL_GAS_MUDFLUID_M		
TCDPTPL_GAS_RADON_M		
TCDPTPL_GP_D		
TCDPTPL_GP_SUSCEPT_MN_M		
TCDPTPL_LI_D		
TCDPTPL_LI_LITHOUNITS_M		
TCDPTPL_MU_D		
TCDPTPL_MU_MUDSAMPLES_M		

# GUI-Builder

- This tool can generate and administrate the elements of the external scheme
  - 1.data views
  - 2.data reports
  - 3.data input forms

adapt the components of the Input-form/  
view/ report for type:

TCDP\_GAS

DIS 6FZ

delete all attributes of components that should be not  
contained in the input-form/ view/ report

- MASSPEC/none
- RADON/none
- MUDFLUID/none
- GASCHROM/none
  - GC\_WELL\_ID
  - DEPTH
  - LAG\_DEPTH
  - DATE
  - TIME
  - METHANE
  - ETHANE
  - PROPANE
  - BUTANE

**view type**

FormView

 generate  
view**input form type**

ListInp

**default look**

- Formular ( 1 record
- Formular ( n records
- Datasheet
- allow toggle look
- use default values
- use multi borehole

 generate  
input-form**report type**

ListRep

 generate  
report

# INPUT FORM DESIGN

HSDP\_WELL\_HOLES\_INP : Form

Form Header

Data-Input-Form DIS GFZ

Detail

WELL SITE	WELL HOLE	WELL SECTIONS	DRILL ENG ACTIVITY	DRILL ENG PHASE	DRILL ENG F
well site:	WELL_SITE				
latitude N:	LATITUDE_N	latitude S:	LATITUDE_S		
longitude W:	LONGITUDE_W	longitude E:	LONGITUDE_E		
altitude (ft NN):	ALTITUDE				
remarks:	REMARKS				

Form Footer

Data Record Form

Nr. Inboun  
Co. Inboun

New Edit  
Cancel Delete

Form navigation icons

# DIS GROUP-II\_OPR

## ■ Operator

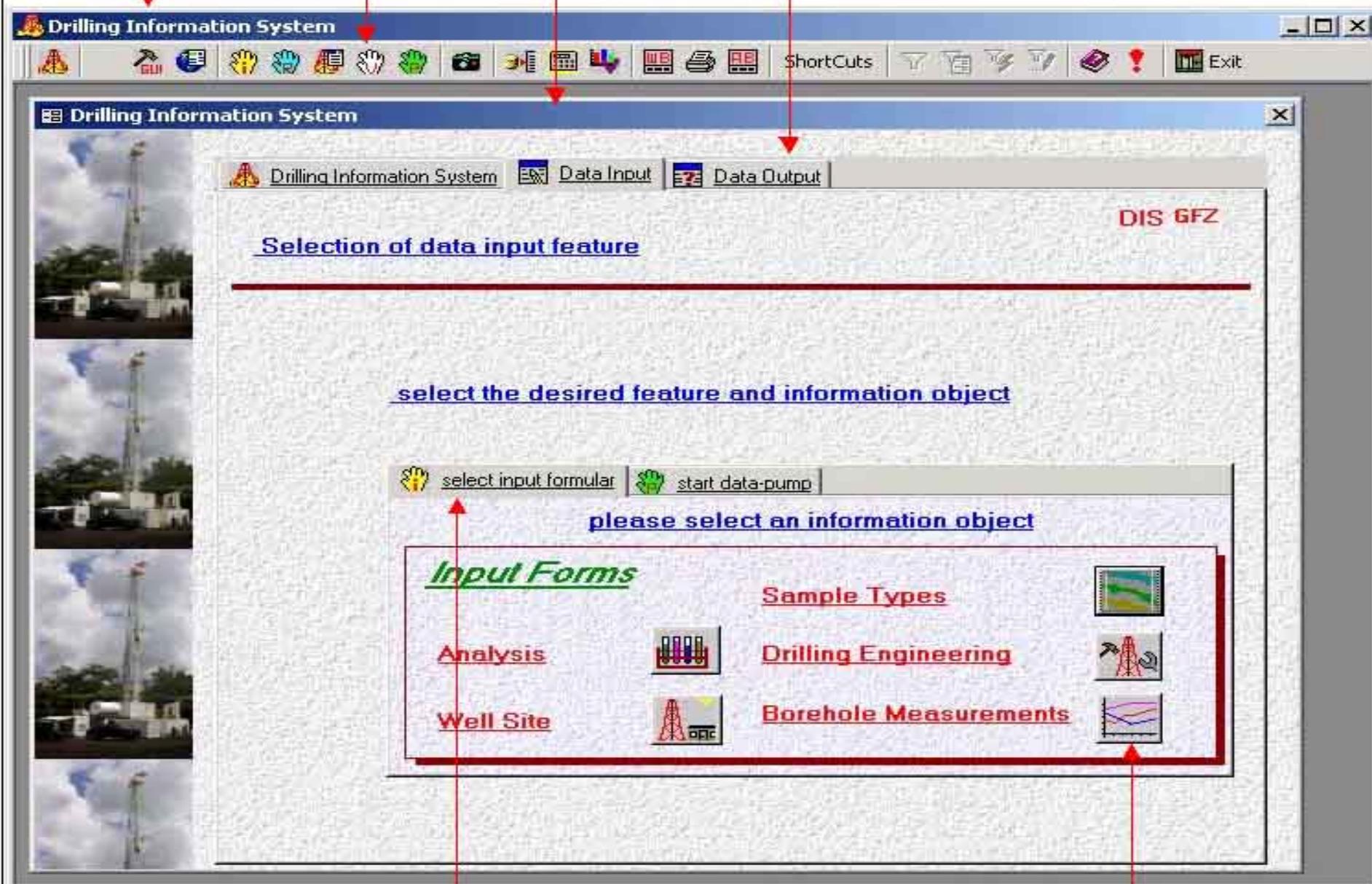
1. enter data into the information system
2. The permissions add new data input forms
3. Input Daily drilling report data

DIS-main-window

Operator-toolbar

DIS-start-window

Tabstrip to select main task



Tabstrip to select feature

Button to select Information Class

HSDPDRP\_PR : Form



### DAILY-REPORT



**SITE:** HAWAII **Date:** 6/22/99

WELL	HSDP2				
WELL NUMBER	4203-16	SITE	Hilo, Hawaii, U.S.A.		
ALTITUDE	40	LATITUDE N	0	LONGITUDE E	0
DAYS SINCE SPUD	99	STARTING DEPTH	0	HOLE ADVANCE	0
CORE RECOVERY	0	# OF DAYS CORING	57	DEPTH AFTER 24H	6007

#### DRILLING ENGINEERING

TIME	OPERATIONS	TIME (HOURS)	REMARKS
2400-0300	RIH	3	na
0300-0500	Work on fish	2	na
0500-0800	POOH	3	na
0800-2400	Wait on fishing tools	16	na
na	na	0	na
na	na	0	na
na	na	0	na
na	na	0	na
na	na	0	na
na	na	0	na
na	na	0	na
na	na	0	na

#### DRILLING PARAMETER

PUMP RATE (gpm)	288	WOB (lbs)	10000		
PUMP PRESSURE (p/si)	250	ROP (inch/min)	0		
ROTARY SPEED (rpm)	80	HOLE SIZE (inch)	8.75		
CASING SHOE DEPTH (ft)	1981	CASING (grade/size)	9.625		
<b>Bottom Hole Assembly</b> Bit, Bit Sub, XD, 6pt, DC 1-6, XD, 5"DP Total length 207.83					
BIT NUMBER 1	519185	IN AT	4234	OUT AT	0
BIT TYPE 1	FF64J	FEET DRILLED	0	TOTAL HOURS	0
BIT NUMBER 2	0	IN AT	0	OUT AT	0
BIT TYPE 2	0	FEET DRILLED	0	TOTAL HOURS	0
TEMPERATURE (deg. F)	68	INCLINATION (deg.)	0.75		

#### DRILLING SUMMARY

record count

99



record nr.

99



New Edit  
Cancel Delete

# DIS-Input Form

The screenshot displays the 'Drilling Information System' (DIS) interface. The main window is titled 'DIS: Data Input Form of NSDP\_2\_Units\_INP'. It features a 'Data-Input-Form' with several tabs: 'LITHO UNIT', 'UNIT IN BOX', 'POINTCOUNTS', 'INTERNAL BOUNDARY', and 'CLASTS'. The 'UNIT IN BOX' tab is active, showing a data entry form with the following fields:

- box unit #: B0198b
- unit #: U0097
- core box #: B0198
- logged by: AR
- core run: R0238
- calculated top depth: 1888.9
- rock name: moderately olivine-phyric basalt
- top contact: bubbly flow contact
- bottom contact: continuous with next box
- contact comments: upper contact consists of a bank of olivine in the rubble is black
- groundmass: microcrystalline
- groundmass / matrix comments:

Below the form is a 'Data Record' section with a table showing 'Nr.' 1 and 'Co.' 2, along with 'New' and 'Cancel' buttons.

An inset window titled 'BW\_80198\_1.jpg' shows a photograph of a rock core sample in a box. The sample is divided into 'Unit 96' and 'Unit 97'. A ruler at the bottom indicates the box is 'BOX 198'. The photograph includes handwritten labels: 'R238-34' on the left, 'END 238 1875.0 START 239' on the right, and 'pg' in the top right corner. A blue box highlights a specific area in the sample.

The Windows taskbar at the bottom shows the Start button, 'Drilling Information System', 'BW\_80198\_1.jpg', and the system tray with the time '9:43 AM'.

# DIS Interface-III

## ■ User

1. User can't change anything in the information system.
2. Only access to data views and data reports

# BOXUNIT REPORT

HSDP\_BOXUNITS\_REP\_HSDP-2a

Box # B0001			
Top Depth	-6.8	Run on Top of Box	R0001
Bottom Depth	6.1	Distance to Top Run	0.0
Interval	11.0	Run on Bottom of Box	R0002
		Distance to Bottom Run	7.0

Core Pin - Distance:	(0.0001)
R0001 -	0.0
Calculated Top Depth:	
	-5.9
Unit Class - Unit Type:	
VOL -	marble
Top Contact:	
	none
Bottom Contact:	
	rubbly flow contact
Logged By:	
	ME
Rock Name:	
	sparsely-to-moderately plagioclase-olivine-phyric basalt

**BOX UNIT:**  
B0001a

**UNIT:**  
U0001

**CONTACT COMMENT:** bottom contact denoted by highly vesicular bubbly material, some pieces haveropy flow texture; note: may be an internal flow contact at R2-0.0; +0.5 ft of core missing at the bottom of R1, bubbly pieces at bottom of R1 and at top of R2 are quite vesicular, core above and below this region is quite massive

**GROUND MASS:** microcrystalline

**TEXTURE COMMENT:** variable

**VEHICLE ABUNDANCE:** variable

- vesicles are very unevenly distributed; flow is massive in the interval R1-1.0 to R2-3.0; vesicles are generally elongate perpendicular to core; increase in abundance below R2-3.0 and become abundant to very abundant as the contact is approached

**ALTERATION:** fresh

- slight etching on the fracture surfaces

**FRACTURES:** weakly

**TEXTURES:**

**STRUCTURES:**

**SED COMMENT:**

Page: 1

# Data-Input facilities

- Input Form

- Picture Archive

- Data pump

# DIS DATA INPUT FORM

DIS: Data Input Form of TCDP\_BH\_MEASUREMENTS\_INP

**Data-Input-Form** **DIS GFZ**

MEASUREMENTS

<b>log #:</b>	BM0001	<b>well hole:</b>	TCDP-1
<b>logging date:</b>	12/15/2003	<b>total time (h):</b>	3
<b>logging time begin:</b>	11:00:00 AM	<b>logging time end:</b>	1:00 PM
<b>drilling section:</b>	na	<b>measuring time (h):</b>	2.00
<b>top depth (m):</b>	0	<b>bottom depth (m):</b>	15
<b>company:</b>	GFZ Potsdam		
<b>sondes:</b>	BGL-AMS-GR		
<b>parameter:</b>	caliper		
<b>data media:</b>	hard disk		
<b>comments:</b>			
<b>destination table:</b>			
<b>source file:</b>			

**link measurement** **show BHM view** **show table**

**Data Record** **Form**

Nr. 1  
Co. 6

New Edit  
Cancel Delete

EXIT

# DIS-Picture Archive

Picture Archive window

Information about name and path of the current picture

Thumbnail display

The screenshot shows the 'DIS: Picture Archive' window. At the top, there's a title bar and a menu bar. Below that is a 'picture archiving form' with a header 'archive new picture or adapt meta data of already stored picture'. The form contains several input fields and buttons. A 'Data Record' section at the bottom shows 'Nr.' as 14 and 'Co.' as 141. A 'Form' section contains 'select picture' and 'annotate picture' buttons. Red arrows point from text labels to these elements.

Picture-Archive

DIS GFZ

picture archiving form

archive new picture or adapt meta data of already stored picture

e.g. core scan / box ... e.g. box / run- id number of that picture

TYPE: ES Object: R0007 NO: 2

SOURCE: UnrolledCoreScans\ automatically generated

optional picture meta data:

C\_DATE: 3/16/1999 filled in automatically if a picture is selected

ANALYST: SQ select shortcut of analyst who makes the scan / picture

STARTING DEPTH: 27.1 enter depth of upper picture border

ENDING DEPTH: 28.7 enter depth of lower picture border

STORAGE: B0003 select the core box number

TITLE:

REMARKS: Olivine- and plagioclase-phyric basalt

select picture

annotate picture

Data Record

Form

Nr. 14

Co. 141

Edit New Cancel Delete

Picture Archiv button bar

Select picture button, calls dialog to select a picture from file system

Image annotation button, calls Core Anno with current picture

# Data pump

The screenshot shows the 'DIS: Data-Pump-Builder' application window. At the top, there are three tabs: 'select Component', 'delete\_data\_pump', and 'Operations'. The main window contains several sections:

- Information Class selection box:** A dropdown menu currently showing 'ANALYSIS'.
- Analysis Class selection box:** A dropdown menu currently showing 'Geochemical'.
- Institute selection box:** A dropdown menu currently showing 'UMASS'.
- Object of Information Class:** A dropdown menu currently showing 'UMASS\_xrd'.
- selected component:** An empty text input field.
- Component list box:** A list box containing 'xrd/none' with the instruction 'please select a component by double click'.
- already defined pumps of this object / double-click to edit pump definition:** A table with two columns: 'NAME' and 'VRD\_DESC'. The table is currently empty.
- Close button:** An 'EXIT' button in the bottom right corner.

Red arrows point from text labels to these specific UI elements. The labels are:

- Tabstrip to select component
- Tabstrip to define new operations
- Information Class selection box
- Tabstrip to delete data pump
- Component list box
- Displays name of selected component
- Type selection box
- Institute selection box
- Analysis Class selection box
- List of already defined data pumps of selected Information Class / type
- Close button

# DIS-Output facilities

- Data-Reports

- Data-Views

- Data-Export

# Data-Reports (tabular format)



## Hawaii Scientific Drilling Project



**DIS: Data-Report**    **Type:**    HSDP\_2    *Page 1*

**Components:**    HSDP\_2\_POINTCOUNTS

<u>UNIT</u>	<u>BOX UNIT</u>	<u>CORE RUN</u>	<u>DEPTH (ft)</u>	<u>OLNINE %</u>	<u>PLAGIOCL %</u>	<u>CLINOPX %</u>	<u>VESICLES %</u>	<u>GROUNDMASS %</u>				
U0002	B0002a	R0003	44	3	0.031	0	0.000	0	0.000	4	93	0.969
<i>Comments:</i>												
U0002	B0003a	R0007	66.9	5	0.050	0	0.000	0	0.000	0	95	0.950
<i>Comments:</i>												
U0002	B0004a	R0008	70.2	2	0.021	0	0.000	0	0.000	4	94	0.979
<i>Comments:</i>												
U0002	B0005a	R0011	82.5	7	0.071	0	0.000	0	0.000	1	92	0.929
<i>Comments:</i>												
U0002	B0006a	R0012	91.2	2	0.020	0	0.000	0	0.000	1	97	0.980

Page: 1

# Data-Views

Data view window

Data field boxes

DIS: Data View of HSDP\_2\_CORERUNS\_VIEW

DIS: Data-View  
of: **HSDP\_2\_CORERUNS**

<u>core run #</u>	R0892	<u>box # on top</u>	B0942
<u>box # on bottom</u>	B0944	<u>top depth</u>	8962.1
<u>bottom depth</u>	8982.1	<u>core recovery</u>	20.6
<u>drill section</u>		<u>logged by</u>	CS
<u>checked by</u>		<u>remarks</u>	poorly sorted hyalocl
<u>drilled length</u>	20	<u>core recovery %</u>	103
<u>rev. est. core recovery</u>	0	<u>rev. est. top depth of r</u>	0
<u>core continuity</u>	yes	<u>date of recovery</u>	8/29/1999
<u>time from</u>	10:00:00 AM	<u>time to</u>	2:00:00 PM

Data Record

Form

nr. 887  
count 903

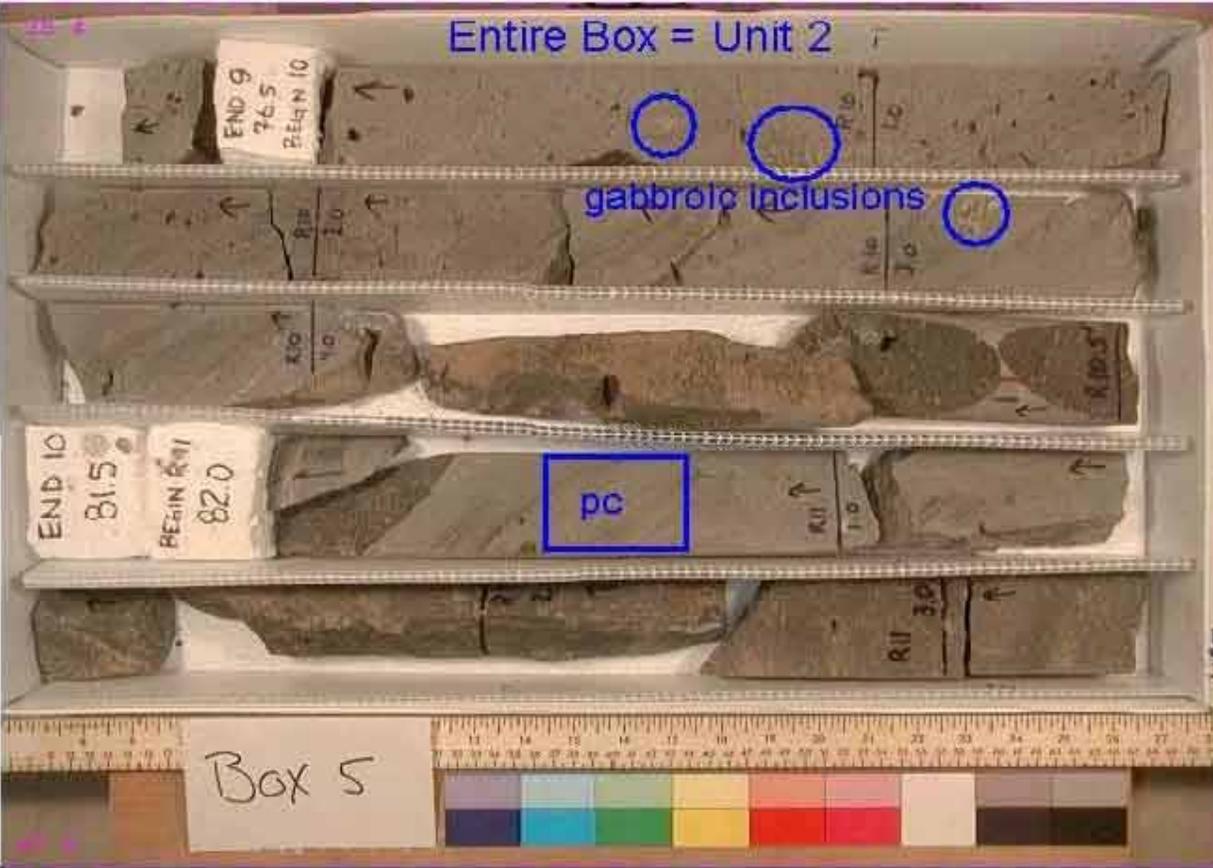
EXIT

Data view button bar

# Data-Report (Picture)



DIS-Data-Report



<b>Box #:</b>	<b>B0005</b>	
<b>Top Depth</b>	38.4	<b>Run on Top of Box</b> R0009
<b>Bottom Depth</b>	47.4	<b>Distance to Top Run</b> 48
<b>Interval</b>	9.0	<b>Run on Bottom of Box</b> R0011
		<b>Distance to Bottom Run</b> 3.3

<b>Core Run - Distance:</b> R0009 - 4.8	all depth measurements in feet
<b>Calculated Top Depth:</b> 38.4	
<b>Unit Class - Unit Type:</b> VOL - aa	<b>BOX UNIT:</b> B0005a
<b>Top Contact:</b> continuous with previous box	
<b>Bottom Contact:</b> continuous with next box	<b>UNIT:</b> U0002
<b>Logged By:</b>	
<b>Rock Name:</b> moderately olivine-phyric basalt	

**CONTACT COMMENTS:**

**GROUNDMASS:** cryptocrystalline

[Move to first page](#)

**/ MATRIX COMMENTS:**

**VESICLES ABUNDANCE:** sparse

[Move to previous page](#)

- vesicles are subrounded and generally evenly spaced

[Move to next page](#)

**ALTERATION:** fresh

- clay present along some fractured surfaces

[Move to last page](#)

**FRACTURES:** weakly

# XDIS-Internet DIS

- Input form
- Analysis Input
- Data viewer
- Data report

# Web-Interface builder

Type information: INP = input form  
REP = report, VIEW = data view

Information Class selection box

Name of input form, view, report

Type selection box

DIS: Web-Interface-Builder

export documents

please select the Documents to export to HTML-Format

DIS 6FZ

information class

SAMPLES

types of selected class

HSDP\_2

please select the documents to export to HTML-Format. Already exported documents are checked and have an entry for the HTML-Filename. You can hide already exported documents for the WWW-interface by unchecking them.

TYPE	NAME	DESCRIPTION
<input type="checkbox"/> INP	HSDP_2_ThinSections_INP	input-form of type : HSDP_2 Components: , HSDP_2_THIN_SEC...
<input type="checkbox"/> INP	HSDP_2_Boxes&Runs_INP	input-form of type : HSDP_2 Components: , HSDP_2_COREBOX...
<input checked="" type="checkbox"/> INP	HSDP_2_Units_INP	input-form of type : HSDP_2 Components: , HSDP_2_LITHOUNIT...
<input checked="" type="checkbox"/> INP	HSDP_2_Samples_INP	input-form of type : HSDP_2 Components: , HSDP_2_SAMPLES
<input checked="" type="checkbox"/> REP	HSDP_2_BOXES_TAB_REP	view of type : HSDP_2 Components: , HSDP_2_COREBOXES
<input type="checkbox"/> REP	HSDP_2_WBOXES_TAB_REP	view of type : HSDP_2 Components: , HSDP_2_COREBOXES
<input type="checkbox"/> REP	HSDP_2_Boxunits_REP	view of type : HSDP_2 Components: , HSDP_2_BOXUNITS
<input type="checkbox"/> REP	HSDP_2_LITHOUNITS_REP	view of type : HSDP_2 Components: , HSDP_2_LITHOUNITS
<input type="checkbox"/> REP	HSDP_2_CORE_LOG_SUMM...	sumarizing box report of HSDP_2
<input type="checkbox"/> REP	HSDP_2_POINTCOUNTS_REP	view of type : HSDP_2 Components: , HSDP_2_POINTCOUNTS
<input checked="" type="checkbox"/> REP	HSDP_2_RUNS_TAB_REP	view of type : HSDP_2 Components: , HSDP_2_CORERUNS
<input type="checkbox"/> REP	HSDP_2_SAMPLES_REP	view of type : HSDP_2 Components: , HSDP_2_SAMPLES
<input type="checkbox"/> VIEW	HSDP_2_LITHO_BOX_UNIT...	view of type : HSDP_2 Components: , HSDP_2_LITHOUNITS, H...
<input type="checkbox"/> VIEW	HSDP_2_FLOWBOUNDS_VI...	view of type : HSDP_2 Components: , HSDP_2_FLOW_BOUND
<input type="checkbox"/> VIEW	HSDP_2_LITHOUNITS_VI...	view of type : HSDP_2 Components: , HSDP_2_LITHOUNITS

OK

EXIT

Export enable / disable check box

Confirmation button

List box that displays all input forms views and reports of selected type

Close button

# XDIS LoginPage

The screenshot shows a Microsoft Internet Explorer browser window displaying the XDIS login page. The browser's address bar shows the URL `http://127.0.0.1/icdp-dis/`. The page content includes:

- icdp |** logo on the top left.
- ICDP-Drilling Information System** title in red text.
- WWW-Interface** and **Site: HSDP** in blue and red text.
- A circular logo for the **HAWAII SCIENTIFIC DRILLING PROJECT** with the year **1999**.
- Welcome message: **Welcome to the DIS Internet Database Interface**. **This Interface provides online access to the project database**. **Please login first to use the interface**.
- Form fields: **select user group** and **enter password** with corresponding input boxes.
- Login** button.
- smartcube** logo at the bottom left.
- smart dis** logo at the bottom right.

The browser's taskbar at the bottom shows the system tray with the **完成** (Done) button and the **Internet** icon.

# XDIS-Data input form

Microsoft Internet Explorer - [離線工作]  
http://127.0.0.1/TCDP-DIS/default.aspx

ICDP-  
Drilling Information System  
Site: HSDP

- SAMPLES
  - DataReports
    - HSDP\_LITHOUNITS\_REP
    - HSDP\_SAMPLES\_REP
  - InputForms
    - HSDP\_LITHOUNITS\_INP
    - HSDP\_SAMPLES\_INP
    - HSDP\_SUSCEPTIBILITY\_INP
    - HSDP\_ARCHIVE\_BOXES\_INP
    - HSDP\_BOXES\_CORES\_INP
    - HSDP\_THINSECTIONS\_INP
    - HSDP\_BOXUNITS\_INP
- PIC\_ARCHIVE
  - DataReports
    - HSDP\_PICARC\_REP
  - Litho Profile
  - send analysis
  - register analysis
  - get help
  - register picture
  - mail admin

**DIS Input Form: HSDP\_BOXUNITS**

Select a Well:  Apply      Select a Field:  Apply      Set PageSize:  Apply

BOXUNITS     CLASTS     FLOW\_BOUND     POINTCOUNTS

	box unit #	core box #	well hole	core run #	box unit	top distance (ft)	top depth (ft)	unit class	unit type	rock name	top contact	bottom contact
Edit	B0001a	B0001	HSDP-2a	R0001	a	0	-5.9				none	rubbly flow contact
Edit	B0002a	B0002	HSDP-2a	R0003	a	0	5.1				rubbly flow contact	continuous with next
Edit	B0003a	B0003	HSDP-2a	R0006	a	2.5	22.1				continuous with previous box	continuous with next
Edit	B0004a	B0004	HSDP-2a	R0008	a	1.1	29.7				continuous with previous box	continuous with next
Edit	B0005a	B0005	HSDP-2a	R0009	a	4.8	38.4				continuous with previous box	continuous with next

Prev Next

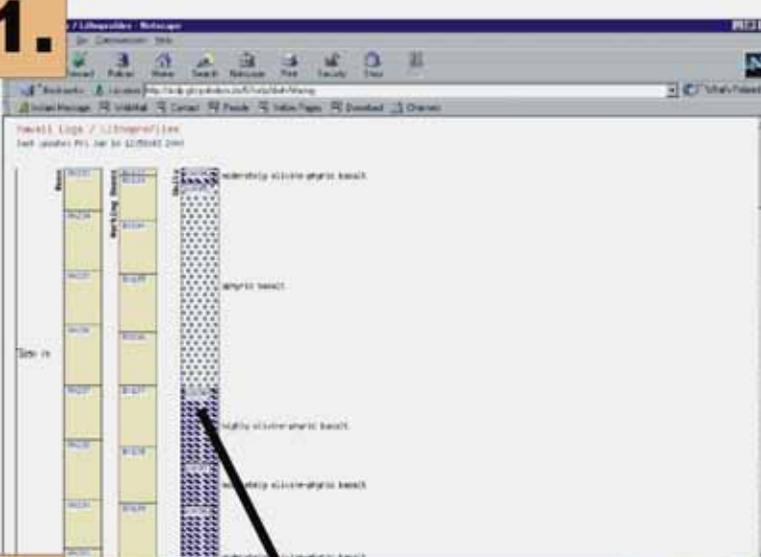
CurrentPage = 1    Pagecount = 293     Show numeric pager   

Select a Field:     Criterion:     Value:     Sorted by:     Field:     Apply:

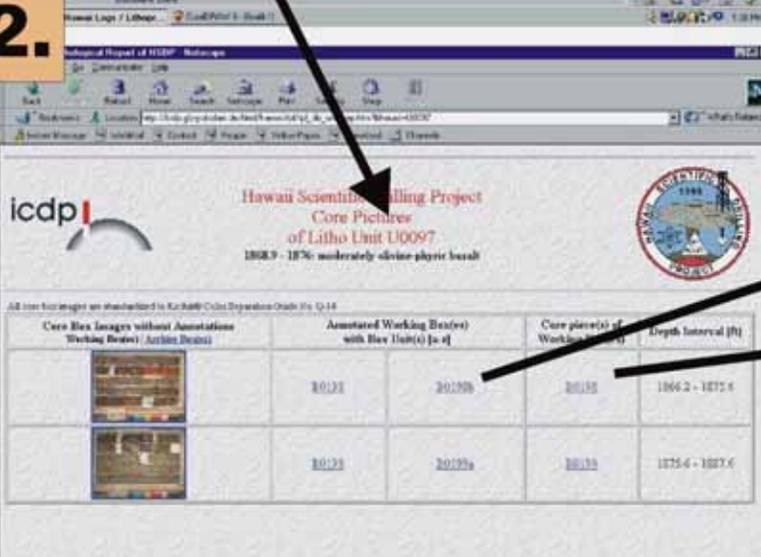
icdp | 

# XDIS-Data View

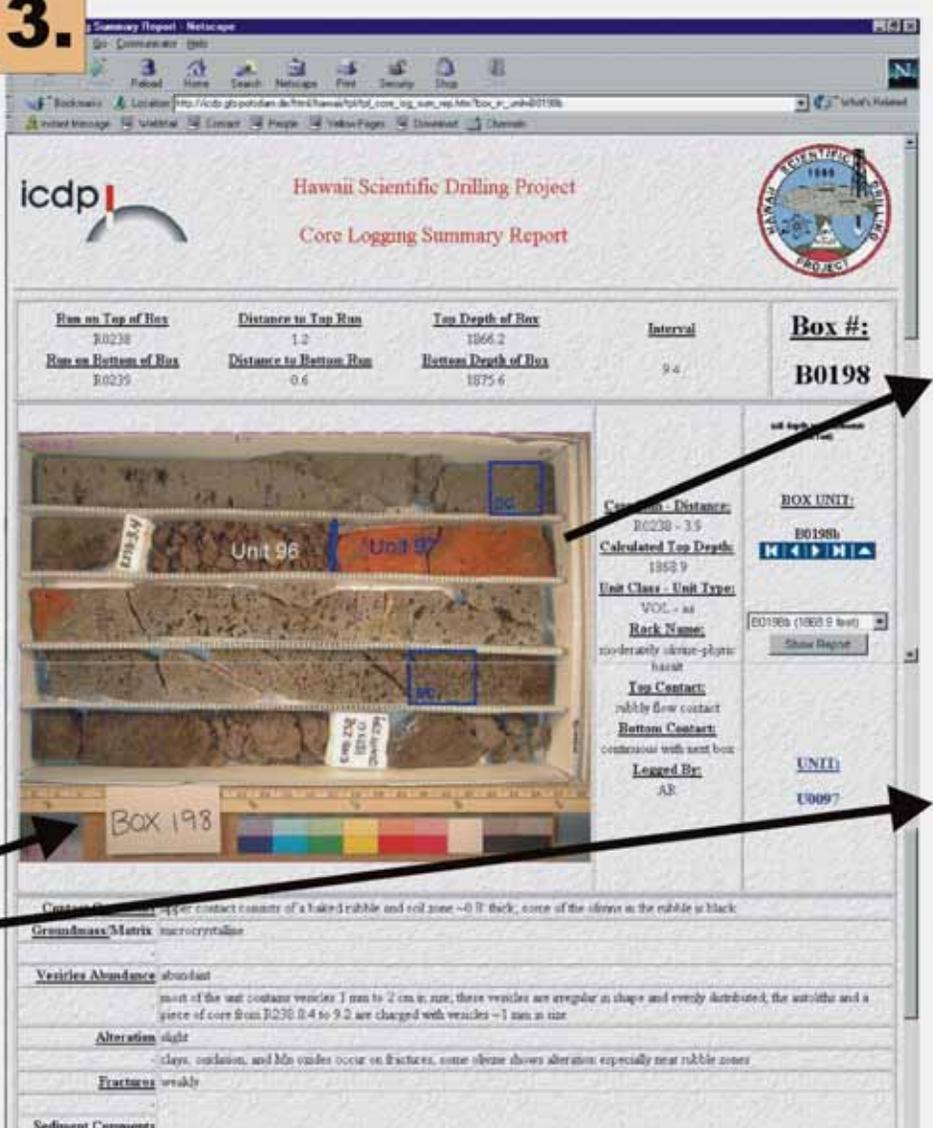
**1.**



**2.**



**3.**



**4.**



**1.** Geological log showing lithological units and depths. The log includes units such as 'moderately olive-gray basalt', 'light basalt', 'highly olivine-phric basalt', and 'moderately olivine-phric basalt'. The depth scale is in meters (m).

**2.** Hawaii Scientific Drilling Project Core Pictures of Litho Unit U0097. The image shows a table of core box images with columns for 'Core Box Image without Annotations (Working Boxes) (Archie Boxes)', 'Annotated Working Boxes with Box Unit(s) [a-e]', 'Core piece(s) of Working Boxes', and 'Depth Interval (ft)'. The table shows two rows of data for boxes B0238 and B0239.

Core Box Image without Annotations (Working Boxes) (Archie Boxes)	Annotated Working Boxes with Box Unit(s) [a-e]	Core piece(s) of Working Boxes	Depth Interval (ft)
	B0238	B0238	1866.2 - 1875.6
	B0239	B0239	1875.6 - 1887.6

**3.** Hawaii Scientific Drilling Project Core Logging Summary Report for Box B0198. The report includes a table of core box data and a photograph of the core box.

Run on Top of Box	Distance to Top Run	Top Depth of Box	Interval	Box #:
B0238	1.2	1866.2	9.4	B0198
Run on Bottom of Box	Distance to Bottom Run	Bottom Depth of Box		
B0239	0.6	1875.6		

The photograph shows a core box labeled 'Box 198' containing two units: 'Unit 96' and 'Unit 97'. The core is described as 'moderately olivine-phric basalt'.

**4.** Close-up photograph of a core sample showing a rubble zone. The rubble zone is described as 'moderately olivine-phric basalt'.

# XDIS Data Report

- The actuality of the data of the reports depends on the DIS administrator.
- Report items can be add or hide by PI`s decisions.
- User can`t change the data. Data reports are published as HTML-pages

# Web info Builder

DIS: Web-Info-Builder

generate WWW-documents generate Lithological Profile visualize Borehole Measurements

this interface generates WWW-documents that summarises the daily drilling activities (daily report ,list of pictures)

DIS GFZ

please enter the date to retrieve informations 1999/10/10

thumbnails of pictures from selected day

pictures of selected day

FILENAME	TITLE	SOI
<input checked="" type="checkbox"/> <input type="checkbox"/> UN_MikeG_and_DonD_HSDP-2a_1.jpg	Mike Garcia and Don DePaolo	Oth
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0931_HSDP-2a_7.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0931_HSDP-2a_8.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0931_HSDP-2a_9.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0931_HSDP-2a_10.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0931_HSDP-2a_11.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0931_HSDP-2a_12.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0932_HSDP-2a_1.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0932_HSDP-2a_2.jpg	n.a.	Slal
<input checked="" type="checkbox"/> <input type="checkbox"/> SS_R0932_HSDP-2a_3.jpg	n.a.	Slal

image of the day

SS\_R0935\_HSDP-2a\_13.jpg

combine Core Boxes and Core Pieces

generate Litho Report

generate Log Report

enter the description of the image of the day

enter the message of the day

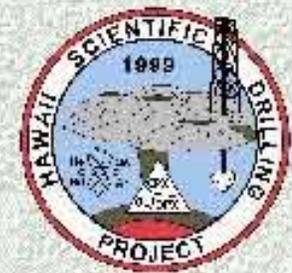
select the daily report type

DIS\_DRP

extra export definition

generate WWW-documents

EXIT



# Hawaii Scientific Drilling Project

***DIS: Data-Report***

***Type:***

HSDP\_2

Page 1

***Components:*** HSDP\_2\_LITHOUNITS

<u>LITHO UNIT</u>	<u>CORE RUN</u>	<u>STARTING DEPTH</u>	<u>ENDING DEPTH</u>	<u>CLASS</u>	<u>UNIT TYPE</u>	<u>ROCK NAME</u>
U0000	R0001	0	0	n.a.	n.a.	litho unit not yet assigned
U0001	R0001	48	76.3	VOL	massive	sparsely to moderately olivine-phyric basalt
U0002	R0003	43	106	VOL	aa	moderately olivine-phyric basalt
U0003	R0014	106	117.8	VOL	aa	highly olivine-phyric basalt
U0004	R0017	117.8	123.4	VOL	aa	highly olivine-phyric basalt
U0005	R0018	123.4	135.5	VOL	aa	highly olivine-phyric basalt
U0006	R0020	135.5	164.9	VOL	aa	highly olivine-phyric basalt
U0007	R0026	164.9	196.2	VOL	aa	highly olivine-phyric basalt
U0008	R0032	196.2	224.7	VOL	pahoehoe	moderately to highly olivine-phyric basalt
U0009	R0038	224.7	241.9	VOL	massive	highly olivine-phyric basalt
U0010	R0041	241.9	243.8	SED	sandstone	sandstone
U0011	R0042	243.8	265.6	VOL	pahoehoe	aphyric basalt
U0012	R0046	265.6	272	VOL	pahoehoe	aphyric basalt
U0013	R0047	272	281	VOL	pahoehoe	aphyric basalt
U0014	R0049	281	290.4	VOL	pahoehoe	sparsely olivine-phyric basalt
U0015	R0051	290.4	326	VOL	pahoehoe	sparsely olivine-phyric basalt
U0016	R0058	326	356.7	VOL	pahoehoe	aphyric to moderately olivine-phyric

# Policies - Rights

- Two different user groups: **Public** and **TCDP Science Team**.
- The TCDP Science Team members are defined by the TCDP PIs.
- Each TCDP Science Team member will get a personal login (username and password).
- Each TCDP Science Team member is allowed to access the internal project pages of the TCDP Web-site.
- Each TCDP Science Team member is allowed to use the internal project data for their own investigations within TCDP.

# Policies - Duties

- Each TCDP Science Team member is not allowed to use the internal project data for other projects than TCDP.
- Each TCDP Science Team member agrees to share own TCDP data, results, and papers with the TCDP Science Team.
- Each TCDP Science Team member is obliged to cite the information he/she uses.
- The composition of the TCDP Science Team and the time period of confidentiality have to be defined by the TCDP PIs

# Questions

- Personnel: on-site chief geologists, on-site supervisors data curator ?
- Data structure items must be chosen & designed.
- Well-Site name, Logo , Drilling Date, .....

# Data Template Discussion

- BOREHOLE\_MEASUREMENTS
- WELL\_HOLES
- ARCHIVEBOXES
- BOXES\_CORES
- BOXES\_UNITS
- CUTTINGS
- LITHOUNITS
- SAMPLES
- SUSCEPTIBILITY
- THINSECTIONS



THE END

# BOREHOLE\_MEASUREMENTS

## S

DIS: Data Input Form of HSDP\_BH\_MEASUREMENTS\_INP

**Data-Input-Form** **DIS GFZ**

MEASUREMENTS

<b>log #:</b>	BM0041	<b>well hole:</b>	HSDP-2a
<b>logging date:</b>	12/5/1999	<b>total time (h):</b>	1.5
<b>logging time begin:</b>	99 6:00:00 PM	<b>logging time end:</b>	
<b>drilling section:</b>	HSDP-2a-4	<b>measuring time (h):</b>	1.50
<b>top depth (ft):</b>	1830	<b>bottom depth (ft):</b>	2721
<b>company:</b>	GFZ Potsdam		
<b>sondes:</b>	TEMP		
<b>parameter:</b>	resistivity, deep & shallow		
<b>data media:</b>	ASCII File (rms)		
<b>comments:</b>			
<b>destination table:</b>			
<b>source file:</b>			

link measurement      show BHM view      show table

**Data Record** **Form**

◀ ▶ **Nr.** 41 **Co.** 41      New Edit      Print      EXIT

◀ ▶      Cancel Delete      Print      EXIT

# WELLHOLES

- WELLSITE
- WELLHOLE
- WELLSECTIONS

# WELLHOLES\_WELLSITE

DIS: Data Input Form of HSDP\_WELL\_HOLES\_INP

**Data-Input-Form** DIS 6FZ

WELL SITE | WELL HOLE | WELL SECTIONS

**well site:** Hawaii Scientific Drilling Project, Hilo, H

**latitude N:**  **latitude S:**

**longitude W:**  **longitude E:**

**altitude (ft NN):**

**remarks:**

**Data Record** **Form**

Navigation:

Fields: **Nr.**  **Co.**

# WELLHOLES\_WELLHOLE

DIS: Data Input Form of HSDP\_WELL\_HOLES\_INP

**Data-Input-Form** **DIS 6FZ**

WELL SITE | **WELL HOLE** | WELL SECTIONS

**well hole:** HSDP-2a **well site:** Hawaii Scientific Drilling Pro

**type of well:** wireline coring

**start of drilling:** 3/15/1999

**end of drilling:** 9/23/1999

**latitude:** 19.7067

**longitude:** 155.0533

**altitude (ft NN):** 37.9 **final depth (ft):** 10201

**state:** first of two operational drilling phases are completed

**purpose:** scientific: the core samples recovered will span as much of the history of Mauna Kea volcano as the drilling technology (and available funding) will

**comments:** altitude is 37.9 feet above sea level

**Data Record** **Form**

1	1	New	Edit
2	2	Cancel	Delete

Navigation icons: back, forward, search, print, help.

# WELLHOLES\_WELLSECTION S

DIS: Data Input Form of HSDP\_WELL\_HOLES\_INP

**Data-Input-Form** **DIS 6FZ**

WELL SITE | WELL HOLE | **WELL SECTIONS**

**drilling section:** HSDP-2a-1      **well hole:** HSDP-2a

**top depth [ft]:** 0      **bottom depth [ft]:** 412

**caliper [in]:** 13.375

**remarks:** March 18-24/99: opening and setting 13-3/8" diameter casing to 412 ft

**Data Record** **Form**

Navigation: Previous, Next, Home, Back, Forward, Print, Refresh, Help

Fields: Nr. 1, Co. 4, New, Edit, Cancel, Delete

# ARCHIVEBOXES

DIS: Data Input Form of HSDP\_ARCHIVE\_BOXES\_INP

**Data-Input-Form** DIS GFZ

COREBOXES

<u>core box #:</u>	A0775	<u>well hole:</u>	HSDP-2a
<u>run on top:</u>	R0979	<u>distance top run (ft):</u>	2.8
<u>run on bottom:</u>	R0980	<u>distance bottom run (ft):</u>	0.5
<u>archiving date:</u>	9/29/1999		

**Data Record** **Form**

◀ ▶ Nr. 775 ✕ New Edit  
Co. 775 ◀ ▶ Cancel Delete

🖨️ 📄 🗑️ EXIT

# BOXES\_CORES

- COREBOXES

- CORERUNS

# BOXESCORES\_COREBOXES

DIS: Data Input Form of HSDP\_BOXES\_CORES\_INP

**Data-Input-Form** DIS GFZ

COREBOXES | CORERUNS

<u>core box #:</u>	B1083	<u>well hole:</u>	HSDP-2a
<u>run on top:</u>	R0979	<u>distance top run [ft]:</u>	2.4
<u>run on bottom:</u>	R0980	<u>distance bottom run [ft]:</u>	33
<u>archiving date:</u>	10/13/2003		

**Data Record** Form

◀	▶	Nr. 1083	✖	New	Edit	📄	📄	🖨️	EXIT
		Co. 1083	◀ ▶	Cancel	Delete	📄	📄	🖨️	📄

# BOXESCORES\_CORERUNS

DIS: Data Input Form of HSDP\_BOXES\_CORES\_INP

**Data-Input-Form** DIS GFZ

COREBOXES CORERUNS

<u>core run #:</u>	<input type="text" value="R0980"/>		
<u>box # on bottom:</u>	<input type="text" value="B1083"/>	<u>bottom depth [ft]:</u>	<input type="text" value="10163.6"/>
<u>box # on top:</u>	<input type="text" value="B1083"/>	<u>top depth [ft]:</u>	<input type="text" value="10163.1"/>
<u>core recovery [ft]:</u>	<input type="text" value="0.5"/>	<u>drill section:</u>	<input type="text" value="HSDP-2a-4"/>
<u>logged by:</u>	<input type="text" value="CS"/>	<u>checked by:</u>	<input type="text"/>
<u>remarks:</u>	<input type="text" value="all cave?"/>		
<u>core continuity:</u>	<input type="text" value="no"/>	<u>drilled length [ft]:</u>	<input type="text" value="0.5"/>
<u>core recovery [%]:</u>	<input type="text" value="100"/>	<u>rev. top depth of run [ft]:</u>	<input type="text" value="0"/>
<u>time from:</u>	<input type="text" value="11:45:00 PM"/>	<u>time to:</u>	<input type="text" value="3:00:00 AM"/>
<u>date of recovery:</u>	<input type="text" value="9/22/1999"/>		

**Data Record** Form

◀	▶	Nr. <input type="text" value="1"/>	<input type="button" value="✖"/>	<input type="button" value="New"/>	<input type="button" value="Edit"/>	<input type="button" value="📄"/>	<input type="button" value="📄"/>	<input type="button" value="🖨"/>	<input type="button" value="EXIT"/>
		Co. <input type="text" value="1"/>	<input type="button" value="◀"/>	<input type="button" value="▶"/>	<input type="button" value="Cancel"/>	<input type="button" value="Delete"/>			

# BOXES\_UNITS

- BOXUNITS
- CLASTS
- FLOWBOUND
- POINTCOUNTS

# BOXUNITS\_BOXUNITS

DIS: Data Input Form of HSDP\_BOXUNITS\_INP

**Data-Input-Form** DIS GFZ

BOXUNITS | CLASTS | FLOW\_BOUND | POINTCOUNTS

**box unit #:** B1083b **well hole:** HSDP-2a

**core box #:** B1083 **box unit:** b

**core run #:** R0980

**top distance (ft):** 5 **top depth (ft):** 10188.1

**unit class:**

**unit type:**

**rock name:**

**top contact:**

**bottom contact:**

**contact comments:**

**colour:**

**texture:**

**texture comments:**

**alteration:**

**Data Record** **Form**

Nr. 1 Co. 1

New Edit Cancel Delete

EXIT

# BOXUNITS\_CLASTS

DIS: Data Input Form of HSDP\_BOXUNITS\_IMP

**Data-Input-Form** DIS GFZ

BOXUNITS **CLASTS** FLOW\_BOUND POINTCOUNTS

box unit #: B1083b well hole: HSDP-2a

dominant clast [%]:  1. largest size [cm]: 1  
2. largest size [cm]: 2  
3. largest size [cm]: 3  
4. largest size [cm]: 2  
5. largest size [cm]:   
6. largest size [cm]:   
average size [cm]: 2

texture:  overall sorting:

diversity:

general comments:

clast lithology 1:   
abundance 1:  average size 1:   
range 1:  rounding 1:   
comments 1:

**Data Record** **Form**

Nr. 1 Co. 1 New Edit Cancel Delete

Print Save Exit

# BOXUNITS\_FLOWBOUND

DIS: Data Input Form of HSDP\_BOXUNITS\_INP

**Data-Input-Form** DIS GFZ

BOXUNITS | CLASTS | **FLOW\_BOUND** | POINTCOUNTS

**boundary ID:** 1559

**box unit #:** B1083b **well hole:** HSDP-2a

**core run #:** [dropdown]

**distance to top of run (ft):** [input] **calculated top depth (ft):** [input]

**general comments:** [text area]

**Data Record** **Form**

Nr. new Co. 1559 [cancel] [delete] [print] [exit]

# BOXUNITS\_POINTCOUNTS

DIS: Data Input Form of HSDP\_BOXUNITS\_INP

**Data-Input-Form** DIS GFZ

BOXUNITS | CLASTS | FLOW\_BOUND | **POINTCOUNTS**

**point count ID:** 1

**box unit #:** B0001a **well hole:** HSDP-2a

**core run #:** R0001

**distance to top of run (ft):** 1.5 **calculated top depth (ft):** -4.4

**olivine %:** 1

**size:** medium

**distribution:** even

**comments:**

**plagioclase %:** 1

**size:** small

**distribution:** even

**comments:** tabular

**clinopyroxene %:** 0

**size:**

**distribution:**

**comments:**

**Data Record** **Form**

Nr. 1 Co. 1238

New Edit Cancel Delete

EXIT

# CUTTINGS

- CUTTINGS
- SIEVINGS
- DESCRIPTION
- COARSEFRACTION
- MEDIUMFRACTION
- FINEFRACTION

# CUTTINGS\_CUTTINGS

DIS: Data Input Form of HSDP\_CUTTINGS\_INP

**Data-Input-Form** DIS GFZ

CUTTINGS | SIEVINGS | DESCRIPTION | Coarse Fraction | Medium Fraction | Fine Fraction

**cu sample:** CU0002.5 **well hole:** HSDP-2a  
[icon]

**amount of fraction:** 1 - 2 kg **drill section:** HSDP-2a-1

**lag date:** 1/1/1999 **lag time:** 11:00:00 AM

**lag depth [m]:** 2.5 **revised lag depth [m]:** 0.0

**sampled by:** DD

**storage:** box 1

**Data Record** **Form**

Nr. 2 [icon] New Edit  
Co. 2 [icon] Cancel Delete

[icon] [icon] [icon] [icon]

# CUTTINGS\_SIEVINGS

DIS: Data Input Form of HSDP\_CUTTINGS\_INP

**Data-Input-Form** DIS GFZ

CUTTINGS **SIEVINGS** DESCRIPTION Coarse Fraction Medium Fraction Fine Fraction

**cu sample:** EU0002,5 **well hole:** HSDP-2a

**coarse: > 4 mm [g]:**  **[weight %]:**

**medium: 4 - 1 mm [g]:**  **[weight %]:**

**fine: 1 - 0.25 mm [g]:**  **[weight %]:**

**total volume [g]:**  **loss/plus [weight %]:**

**susceptibility coarse [10<sup>-3</sup> SI]:**  **cement % [coarse]:**

**susceptibility medium [10<sup>-3</sup> SI]:**  **cement % [medium]:**

**susceptibility fine [10<sup>-3</sup> SI]:**  **cement % [fine]:**

**Data Record** **Form**

**Nr.** new **Co.** 2

# CUTTINGS\_DESCRIPTION

DIS: Data Input Form of HSDP\_CUTTINGS\_INP

**Data-Input-Form** DIS GFZ

CUTTINGS | SIEVINGS | **DESCRIPTION** | Coarse Fraction | Medium Fraction | Fine Fraction

**cu sample:** EU0001.1 **well hole:** HSDP-2a

**drilling artifacts:** schrott

**alteration:** fresh

**oxidation:** fresh - slight

**cataclastic ?:** none

**fine grained fraction:** none

**preliminary rock name:** sand

**final rock name:**

**remarks:** kkkksksks

**Data Record** **Form**

◀	▶	Nr.	1	⌂	New	Edit	📄	📄	📄	📄
		Co.	2	◀	▶	Cancel	Delete			

# CUTTINGS\_COARSEFRACTION

## N

DIS: Data Input Form of HSDP\_CUTTINGS\_INP

**Data-Input-Form** DIS GFZ

CUTTINGS | SIEVINGS | DESCRIPTION | **Coarse Fraction** | Medium Fraction | Fine Fraction

**cu sample:** CU0001.J **well hole:** HSDP-2a

**1. Component:** Calcite

**phenocrysts:** hornblende, opaques, opaques, plagioclase

**grain size [mm]:** silt **angularity:** subangular

**portion [vol %]:** 12 **colour:** red

**fabric:** cataclastic **texture:** elongated

**vesicularity:** low-slight **crystallinity:** pale

**oxidation:** low - slight

**max. size [mm] - phen 1:** 12

**max. size [mm] - phen 2:** 13 **mode of phen's:** wewe

**remarks:** sda

**2. Component:**

**phenocrysts:**

**grain size [mm]:** **angularity:**

**portion [vol %]:** **colour:**

**fabric:** **texture:**

**Data Record** **Form**

Nr. 1 Co. 1

New Edit Cancel Delete

Print Save Refresh

# CUTTINGS\_MEDIUMFRACTI ON

DIS: Data Input Form of HSDP\_CUTTINGS\_INP

**Data-Input-Form** DIS GFZ

CUTTINGS | SIEVINGS | DESCRIPTION | Coarse Fraction | **Medium Fraction** | Fine Fraction

cu sample:  well hole: HSDP-2a

**1. Component:**

phenocrysts:

grain size [mm]:  angularity:

portion [vol %]:  colour:

fabric:  texture:

vesicularity:  crystallinity:

oxidation:

max. size [mm] - phen 1:

max. size [mm] - phen 2:  mode of phen's:

remarks:

**2. Component:**

phenocrysts:

grain size [mm]:  angularity:

portion [vol %]:  colour:

fabric:  texture:

**Data Record** **Form**

Nr. new Co. 1

New Edit Cancel Delete

Print Save Refresh

# CUTTINGS\_FINEFRACTION

DIS: Data Input Form of HSDP\_CUTTINGS\_INP

**Data-Input-Form** DIS GFZ

CUTTINGS | SIEVINGS | DESCRIPTION | Coarse Fraction | Medium Fraction | **Fine Fraction**

**cu sample:** CU0001.J **well hole:** HSDP-2a

**1. Component:** Rhyolite

**phenocrysts:** plagioclase

**grain size [mm]:** gravel **angularity:** rounded

**portion [vol %]:** 34 **colour:** green

**fabric:** cataclastic **texture:** banded

**vesicularity:** moderate **crystallinity:** moderate

**oxidation:** fresh - slight

**max. size [mm] - phen 1:** 342

**max. size [mm] - phen 2:** 56 **mode of phen's:** aasd

**remarks:** ascas

**2. Component:**

**phenocrysts:**

**grain size [mm]:**

**portion [vol %]:**

**fabric:**

**angularity:**

**colour:**

**texture:**

**Data Record** **Form**

Nr. 1 Co. 1

New Edit Cancel Delete

Print Save Refresh

# LITHOUNITS\_LITHOUNITS

DIS: Data Input Form of HSDP\_LITHOUNITS\_INP

**Data-Input-Form** DIS GFZ

LITHOUNITS

<b>ID #:</b>	U0345	<b>well hole:</b>	HSDP-2a
<b>top cutting/box unit:</b>	B1082b	<b>top depth (ft):</b>	10148.8
<b>bottom cutting/box unit:</b>	B1083b	<b>bottom depth (ft):</b>	10163.6
<b>cuttings #:</b>		please use these buttons to add image annotations	
<b>core box #:</b>			
<b>core run #:</b>			
<b>unit class:</b>	VOL		
<b>unit type:</b>	pillow		
<b>rock name:</b>	sparsely olivine-phyric basalt		
<b>top contact:</b>	flow contact		
<b>bottom contact:</b>	none		
<b>contact comments:</b>			
<b>strat. System:</b>	Quaternary		
<b>strat. Series:</b>	Mauna Kea - submarine		

**Data Record** Form

Nr. 399 Co. 399

New Edit Cancel Delete

EXIT

# SAMPLES\_SAMPLES

DIS: Data Input Form of HSDP\_SAMPLES\_INP

**Data-Input-Form** DIS GFZ

SAMPLES

<u>sample ID:</u>	SR0980-0.10	<u>well hole:</u>	HSDP-2a
<u>subsample:</u>			
<u>material:</u>	R0980	<u>core box:</u>	B0952
<u>distance top (ft):</u>	0.1	<u>length (ft):</u>	0.4
<u>distance bottom (ft):</u>	0.5		
<u>top depth (ft):</u>	10163.2	<u>bottom depth (ft):</u>	10163.6
<u>litho unit:</u>	U0319		
<u>sampled by:</u>	JL, CL	<u>affiliation:</u>	UCSD
<u>date sampled:</u>	9/12/2000		
<u>destructive use:</u>	yes		
<u>sample type:</u>	glass	<u>purpose:</u>	paleomagnetics
<u>alt. sample label:</u>	HSDP-2a_10163.2_g		
<u>comments:</u>			

**Data Record** Form

Nr. 2263  
Co. 2263

New Edit  
Cancel Delete

EXIT

# SUSCEPTIBILITY\_SUSCEPTM N

DIS: Data Input Form of HSDP\_SUSCEPTIBILITY\_INP

**Data-Input-Form** DIS GFZ

SUSCEPT\_MN

<u>SUS ID:</u>	<input type="text" value="1"/>	<u>well hole:</u>	<input type="text" value="HSDP-2a"/>
<u>core run:</u>	<input type="text"/>	<u>core box:</u>	<input type="text"/>
		<u>sampling interval (ft):</u>	<input type="text"/>
<u>distance (ft):</u>	<input type="text"/>		
<u>depth (ft):</u>	<input type="text"/>	<u>suscept. [SI 10-3]:</u>	<input type="text"/>
<u>date and time:</u>	<input type="text"/>		
<u>logged by:</u>	<input type="text"/>		
<u>comments:</u>	<input type="text"/>		

**Data Record** Form

<input type="button" value="K"/>	<input type="button" value="I"/>	Nr. <input type="text" value="new"/>	<input type="button" value="X"/>	<input type="button" value="New"/>	<input type="button" value="Edit"/>	<input type="button" value="Print"/>	<input type="button" value="Print"/>	<input type="button" value="Print"/>	<input type="button" value="EXIT"/>
		Co. <input type="text" value="1"/>	<input type="button" value="←"/>	<input type="button" value="→"/>	<input type="button" value="Cancel"/>	<input type="button" value="Delete"/>			

# THINSECTIONS

- THINSECTIONS
- TSMATRIX
- TSPHENOCRYSTS
- TSSECONDARY

# THINSECTIONS\_THINSECTION S

DIS: Data Input Form of HSDP\_THINSECTIONS\_INP

**Data-Input-Form** DIS GFZ

THIN\_SECTIONS | TS\_MATRIX | TS\_PHENOCRYSTS | TS\_SECONDARY

**thin section #:** TS0002      **well hole:** HSDP-26

**sample:** SR0008-0.30

**petrographer:** [ ]

**texture:** [ ]

**other texture:** [ ]

**alteration:** [ ]

**comments:** [ ]

**Data Record**      **Form**

◀ ▶ Nr. 2 ✕ New Edit  
Co. 2 ◀ ▶ Cancel Delete

📄 📄 🖨️ EXIT

# THINSECTIONS\_TSMATRIX

DIS: Data Input Form of HSDP\_THINSECTIONS\_INP

**Data-Input-Form** DIS GFZ

THIN\_SECTIONS | **TS\_MATRIX** | TS\_PHENOCRYSTS | TS\_SECONDARY

matrix ID: 2 well hole: HSDP-2a

thin section: TS0002

matrix mineral: magnetite

abundance %:

comments:

**Data Record** **Form**

◀ ▶ Nr. 1 ✕ New Edit  
Co. 2 ◀ ▶ Cancel Delete

📄 📄 📄 EXIT

# THINSECTIONS\_ TSPHENOCRYSTS

DIS: Data Input Form of HSDP\_THINSECTIONS\_INP

**Data-Input-Form** DIS GFZ

THIN\_SECTIONS | TS\_MATRIX | **TS\_PHENOCRYSTS** | TS\_SECONDARY

phenocryst ID: 1 well hole: HSDP-2a

thin section: TS0001

phenocryst: chromite

abundance %:

size:

shape:

feature:

comments:

**Data Record** **Form**

Nr. 1  
Co. 2

New Edit  
Cancel Delete

EXIT

# THINSECTIONS\_TSSECONDARY

DIS: Data Input Form of HSDP\_THINSECTIONS\_INP

**Data-Input-Form** DIS GFZ

THIN\_SECTIONS | TS\_MATRIX | TS\_PHENOCRYSTS | **TS\_SECONDARY**

secondary mineral ID:  well hole:

thin section:

secondary mineral:

occurrence:

comments:

**Data Record** **Form**

◀ ▶ Nr.   New Edit

Co.  ◀ ▶ Cancel Delete