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LEG 168—INITIAL REPORTS

Preliminary Pages   Acknowledgments

SECTION 3: CORES

Core-description forms and core photographs for:

SECTION 4: SMEAR SLIDES

Smear-slide data in both PDF and ASCII formats are on the *"Proceedings, Initial Reports"* CD-ROM (see back pocket).

SECTION 5: THIN SECTIONS

Thin-section data in both PDF and ASCII formats are on the *"Proceedings, Initial Reports"* CD-ROM (see back pocket).

BACK-POCKET MATERIALS

Oversized Figure

Chapter 1: Figure 5. Composite seismic reflection profile crossing the Juan de Fuca Ridge axis near 48°N and the eastern ridge flank, with Leg 168 drilling sites superimposed.

CD-ROM Materials

Two CD-ROMs are located in the back of the volume. The *"Proceedings, Initial Reports"* CD-ROM includes an electronic version of the Leg 168 *Initial Reports* volume in Adobe Acrobat, as well as ASCII tab-delimited versions of tables not included in the printed volume (see directory structure below), smear-slide and thin-section data tables, resistivity data tables, color reflectance data tables and figures, and X-ray diffraction data tables. The "Log and Core Data" CD-ROM contains depth-shifted and processed logging data provided by the Borehole Research Group at the Lamont-Doherty Earth Observatory, Wireline Logging Operator for ODP. The log and core data CD-ROM also contains shipboard GRAPE (gamma-ray attenuation porosity evaluator), index properties, magnetic susceptibility, *P*-wave, natural gamma data, and color reflectance data of cores collected on board the *JOIDES Resolution* during Leg 168.

PROCEEDINGS, INITIAL REPORTS CD

The *Initial Reports* volume is designed for Adobe Acrobat Reader 3 software. Data tables in an ASCII format on this CD should be opened through a spreadsheet or text-editing software application.

There are three starting points for this CD:

README.TXT is an ASCII file that explains how to install Adobe Acrobat on any of the available platforms. This file is in the root directory.

READ168.PDF is an Acrobat file that contains information about the CD, lists available files and how to use them, and describes how the core images were created. This file is in the root directory.

168IR.PDF lists the table of contents for the volume and ASCII tables (files with .TXT extensions). It also contains links to the volume chapters. This file is in the VOLUME directory.

Directory Structure:

README.TXT (readme file for Acrobat Reader)
READ168.PDF (readme file for Leg 168 *Initial Reports* volume)
NDX_READ.PDF (readme file for Compiled Electronic Index of the *Proceedings of the Ocean Drilling Program*)
ACROBAT (Acrobat software)
VOLUME
   PRELIM.PDF (volume preliminary pages)
   168IR.PDF (volume table of contents)
   ACKNOL.PDF (volume acknowledgments)
   CHAP_01.PDF
   CHAP_02.PDF
   CHAP_03.PDF
   CHAP_04.PDF
   CHAP_05.PDF
   CHAP_06.PDF
   VCD####.PDF (visual core descriptions by site)
   SS####.PDF (smear slides in PDF format)
   SS####.TXT (smear slides in ASCII format by site)
   TS####.PDF (thin sections in PDF format)
   TS####.TXT (thin sections in ASCII format by site)
   TABLES (see below for list of files)
   APPENDIX (see below for list of files)
LEG_DATA (see below for lists or descriptions of files)
   CORESUMS (coring summaries by site)
   SITESUMS (site summaries by site)
   PPDATA (corrected resistivity data by site)
   SPECDATA (ASCII color reflectance data and figures)
   XRDDATA (ASCII X-ray diffraction data)
INDEX (Compiled Electronic Index of the *Proceedings of the Ocean Drilling Program*)

List of TABLES files:

CHAP_02 (Chapter 2, Seafloor Heat Flow on the Eastern Flank of the Juan de Fuca Ridge):

Tables for Chapter 2 are space-delimited fixed-field ASCII files.

02_01.TXT: Table 1. Temperatures at depth for all heat flow penetrations listed in Table 3.

02_02.TXT: Table 2. Thermal conductivity as a function of depth at all penetrations given in Table 3 where conductivities were measured.

02_03.TXT: Table 3. Heat flow measurements on the eastern flank of the Juan de Fuca Ridge.

CHAP_04 (Chapter 4, Hydrothermal Transition Transect):

04_03.TXT: Table 3. Depths and thicknesses of sand and silt turbidites from Holes 1023A, 1024B, and 1025B.

04_04.TXT: Table 4. Results of X-ray diffraction analyses of random bulk powders from Holes 1023A, 1024B, and 1025B. Units of measure include intensity (cps) and integrated area (total counts) for peaks with specified d-spacings (measured in angstroms).

04_05.TXT: Table 5. Mineral percentages (in relative weight percentage) for samples from Holes 1023A, 1024B, and 1025B, based on X-ray diffraction analyses of random bulk powders.

Physical properties data presented on this CD include digital sonic velocimeter, GRAPE, index properties, *P*-wave, thermal conductivity, and magnetic susceptibility data. ASCII-formatted data files are named by hole number. Columns of data in the original shipboard files have been omitted for presentation here; see the ODP Leg 168 Log and Core Data CD-ROM that accompanies this volume for the complete shipboard GRAPE, index properties, magnetic susceptibility, *P*-wave, and natural gamma data collected during Leg 168.

Physical properties data are organized in the following directory structure:

HT_SITES (Hydrothermal Transition Transect sites)
DSV_DATA
GRAPE
IP_DATA
PWL_DATA
TC_DATA
WC-MS
RB_SITES (Rough Basement Transect sites)
DSV_DATA

GRAPE
IP_DATA
PWL_DATA
TC_DATA
WC-MS
  BB_SITES (Buried Basement Transect sites)
    DSV_DATA
    GRAPE
    IP_DATA
    PWL_DATA
    TC_DATA
    WC-MS

SPECDATA (Color reflectance data and figures):

Three forms of color reflectance data are on the CD-ROM. The first type consists of ASCII files for each core downloaded from the Minolta CM-2002 Spectrophotometer using the Spectrolog Program 3.0 on a Macintosh personal computer. Intensities of each spectral band were recorded in 10-nm increments from 400 to 700 nm, and measurements of split cores were made every 10 cm. The first measurement in each file generally consists of a white calibration standard. Information in the header of each file includes the core identification (Leg, Site, Hole, Core, Type, Section, Top of Internal, Bottom of Interval), L*-a*-b* color codes, and the Munsell color codes. The second type of file is a summary table for each hole in ASCII format with sample identification, depth, L*-a*-b* codes, Munsell codes, individual intensity values for the 460- 580- and 670-nm bands, and the value for the blue/red spectral ratio. The third type consists of representative plots for each hole showing depth variations in yellow band intensity (580 nm) and a ratio of red (670 nm) vs. blue (460 nm) intensities. These plots are shown in a PDF format and can be viewed in Acrobat.

Color reflectance data and figures are organized in the following directory structure:

  HT_SITES (Hydrothermal Transition Transect sites)
    1023
      ASCII
      FIGURES
      T_1023A.TXT
    1024
      1024A
        ASCII
        FIGURES
        T_1024A.TXT
      1024B
        ASCII
        FIGURES
        T_1024B.TXT
    1025
      1025A
        ASCII
        FIGURES
        T_1025A.TXT
      1025B
        ASCII
        FIGURES
        T_1025B.TXT
  RB_SITES (Rough Basement Transect sites)
    1026
      ASCII
      FIGURES
      T_1026A.TXT
    1027B/C
      ASCII
      FIGURES
      1027BC.TXT
  BB_SITES (Buried Basement Transect sites)
    1028
      ASCII
      FIGURES
      T_1028.TXT
    1029
      ASCII
      FIGURES
      T_1029A.TXT
    1030
      1030A
        ASCII
        FIGURES
        T_1030A.TXT
      1030B
        ASCII
        FIGURES
        T_1030B.TXT
    1031
      ASCII
      FIGURES
      T_1031A.TXT
    1032
      ASCII
      FIGURES
      T_1032A.TXT

XRD_DATA (X-ray diffraction data):

Results from shipboard X-ray diffraction analyses are organized according to hole, type of analysis, and type of sample preparation. Codes for the directories are as follows: BULK = random bulk powders; CLAY = air-dried clay-sized separates; GLYCOL = glycol-saturated clay-sized separates; STANDARD = weight percent mixtures of mineral standards; OTHER = miscellaneous mineral standards (e.g., quartz) and vein minerals. Sample identification for individual files is based on core, section, and interval. For example, file 01-2-100 in the BULK subdirectory within the 1023A directory would correspond to a bulk-powder analysis for sample 168-1023A-1H-2, 100 cm. The raw digital data within each file are in ASCII PC exchange format and provide intensity values in step increments of 0.020 over a scanning range of 2.00 to 70.00 2θ. The CD-ROM also contains files of diffractogram patterns for each analysis and summary tables in ASCII format with peak areas, peak intensities, and calculated mineral abundances for the minerals of interest.

The XRD results are organized in the following directory structure:

ODP LEG 168 LOG & CORE DATA

This CD-ROM contains depth-shifted and processed logging data provided by the Borehole Research Group at the Lamont-Doherty Earth Observatory, Wireline Logging Operator for ODP. It also contains shipboard GRAPE (gamma-ray attenuation porosity evaluator), index properties, magnetic susceptibility, *P*-wave, natural gamma data, and color reflectance data of cores collected on board the JOIDES Resolution during Leg 168.

Directory Structure:

The above structure is identical in each site and/or hole. The INDEX.DOC file contains a summary of all the files loaded on the CD-ROM. The software documentation file in the GEN_INFO directory contains information on which software packages work best to import PBM (portable bit map—8-bit binary) raster files. It also includes network sources for the graphics software and data compression information. The README file gives information on whom to contact with any questions about the production of or data on the CD-ROM.

All of the ASCII files (with the exception of the sonic waveform files [SWF] files and log summary figures) are tab delimited for compatibility with most spreadsheet and database programs. Holes that have more than one logging pass with the same tools are labeled Main and Repeat for conventional logs, or Pass 1, Pass 2, etc., for FMS. If the files are not in separate directories, they may just be annotated with "m" and "r" or "1" and "2" in the data filenames when there is room for only one character. Holes that have long logging runs are often divided into UPPER and LOWER directories. The files may just be annotated with "u" or "l" in the data filenames where space permits. Check the documentation file for a given directory if it is not clear.

The log summary figures were created on the UNIX and have been saved as postscript (.PS) files and are made available in portable document format (.PDF). For more information regarding the figures, please see FIGURES.DOC in the GEN_INFO directory.

In the FMS-PBM format directory there are two subdirectories, 1:1 ratio with maximum 10-m-long image raster files and 1:10 ratio with maximum 100-m-long image raster files. The image raster files are named according to their depth interval. The raster documentation files contain image file parameter information necessary for use with most graphic software packages.

Summary of Log Data:
   Hole 1032A:
      Conventional logs
      FMS data
      Geochemical logs (element and oxide weight percent)
      High-resolution logs
      Log summary figures
      Sonic waveforms
      Temperature logs

Summary of ODP Core Data
   Site 1023
     Hole A:
       GRAPE.DAT
       INDEX.DAT
       MAGSUS.DAT
       NATGAM.DAT
       PWAVE.DAT
   Site 1024
     Hole A:
       GRAPE.DAT
       INDEX.DAT
       MAGSUS.DAT
       NATGAM.DAT
       PWAVE.DAT
       REFLECT.DAT
     Hole B:
       GRAPE.DAT
       INDEX.DAT
       MAGSUS.DAT
       NATGAM.DAT
       PWAVE.DAT
   Site 1025
     Hole A:
       GRAPE.DAT
       MAGSUS.DAT
       NATGAM.DAT
       PWAVE.DAT
       REFLECT.DAT
     Hole B:
      GRAPE.DAT
      INDEX.DAT
      MAGSUS.DAT
      NATGAM.DAT
      PWAVE.DAT
      REFLECT.DAT
     Hole C:
      GRAPE.DAT
      INDEX.DAT
      MAGSUS.DAT
      NATGAM.DAT

   Site 1026
     Hole A:
      GRAPE.DAT
      MAGSUS.DAT
      NATGAM.DAT
      PWAVE.DAT
      REFLECT.DAT
     Hole B:
      GRAPE.DAT
      INDEX.DAT
      MAGSUS.DAT
      NATGAM.DAT
     Hole C:
      GRAPE.DAT
      INDEX.DAT
      MAGSUS.DAT
      NATGAM.DAT
      REFLECT.DAT
   Site 1027
     Hole A:
      GRAPE.DAT
      MAGSUS.DAT
      NATGAM.DAT
      PWAVE.DAT
     Hole B:
      INDEX.DAT
      REFLECT.DAT
     Hole C:
      INDEX.DAT
      REFLECT.DAT
   Site 1028
     Hole A:
      GRAPE.DAT
      INDEX.DAT
      MAGSUS.DAT
      NATGAM.DAT
      PWAVE.DAT
      REFLECT.DAT
   Site 1029
     Hole A:
      GRAPE.DAT
      INDEX.DAT
      MAGSUS.DAT
      NATGAM.DAT
      PWAVE.DAT
      REFLECT.DAT
   Site 1030
     Hole A:
      GRAPE.DAT
      MAGSUS.DAT
      NATGAM.DAT
      PWAVE.DAT
      REFLECT.DAT
     Hole B:
      GRAPE.DAT
      INDEX.DAT
      MAGSUS.DAT
      NATGAM.DAT
      PWAVE.DAT
      REFLECT.DAT

Site 1031
Hole A:
GRAPE.DAT
MAGSUS.DAT
NATGAM.DAT
PWAVE.DAT
REFLECT.DAT

Site 1032
Hole A:
GRAPE.DAT
INDEX.DAT
MAGSUS.DAT
NATGAM.DAT
REFLECT.DAT

Preliminary Pages   Acknowledgments