ODP Applications Software: an Overview of the Legacy Content

This document attempts to provide a comprehensive overview of the software systems used by the ODP program. The intent is twofold:
* to provide a managerial overview of what has been done in the past; and,
* to document locations where application deliverables may be found in cases where interested parties may wish to further development of applications for their own purposes.

The primary focus is on science data acquisition and manipulation applications that were largely developed or integrated in-house. The secondary focus is on applications which automated infrastructural and administrative functions. A shortcoming of this document and its accompanying digital repository is lack of detail on systems that were not the direct responsibility of the legacy IT department—these include systems in use in the former drilling engineering group, and software bundled with vendor packaged instrumentation systems.

Accompanying this document is a set of DVDs and 4mm DAT tapes containing archival copies of much of the ODP applications

These classifications are useful in codifying the ODP applications listed in the following pages:

* by laboratory: chemistry, downhole, physical properties, sediment lab, paleontology, paleomagnetism, underway geophysics, x-ray, microbiology;
* by job role: curator, drill operator, sampler, laboratory technician;
* by data type handled: leg-site-hole-core-type-section-interval, GRA, NGR, et cetera. (see http://www-odp.tamu.edu/isg/datatypes.htm for a formal listing);
* by functional type: acquisition, upload, edit/entry, retrieval, analysis, administrative, infrastructural.

Supported Science Applications

An index of applications developed and supported in-house that were deployed in the JOIDES Resolution shipboard environment at the sunset of ODP. To make the list more complete 3rd party tools and applications required to operate the laboratories should be identified (e.g. control software bundled with instrumentation and data logging equipment).

Data Type	Keyboard entry	Instrument Control	Upload	Retrieve	Edit	Analysis
LSHCSS						
Leg, Site, Hole, Core, Section	Janus 206	-	-	Janusweb	SectionEditor 210.2	
Sample	Janus 206, JavaSample 209.2	-	-	Janusweb	-	
Sample Request	Janus 206	-	-	Janusweb	-	
MST						
GRAPE	-	WCMST 200	GU 207	Janusweb, CLV, MsTV	Janus 206	
PWL	-	WCMST 207	GU 206	Janusweb, CLV, MsTV	Janus 206	
Magsus	-	WCMST 200	GU 207	Janusweb, CLV, MsTV	Janus 206	
NGR	-	WCMST 200	GU 207	Janusweb, CLV, MsTV	Janus 206	
NCR	-	WCMST 204	GU 207	Janusweb	Janus 207	
Physprops						
Thermcon	-	Teka 3.04	Janus 206	Janusweb, CLV	-	
MAD	-	MAD 205	GU 205	Janusweb, CLV	Janus 206	
PWS	-	VS 207	GU 207	Janusweb, CLV	Janus 206	
Shear Strength	-	VS 191	GU 205	Janusweb, CLV	Janus 206	
Paleomag	-	LongCore 207	GU 207	Janusweb, CLV	CryoEdit 206	
Color Reflectance	-	AMST 191	GU 207	Janusweb	RSCEdit 202, RSCCalib 202	
Ms2f	-	AMST 191	JavaUploader 208	Janusweb	-	
Chemistry						
Rock Eval	-	-	Janus 206	Janusweb	-	
Carbonates	-	Coulometer_Balance v.	Janus 206	Janusweb	-	
Interstitial Water	-	-	Janus 206	Janusweb	-	
Gases	-	HPChem v.	Janus 206	Janusweb, GAP	-	
XRF/ICP	-	-	Janus 206	Janusweb	-	
XRD	-	-	JavaUploader 209.2	Janusweb	-	
Paleontology						

ODP Science Applications

Range Charts	Paleojava 208.6	-	-	Janusweb	-	
Datum Depths	PaleoDatum 208	-	-	Janusweb	-	
Age Models	AgeModel 208	-	-	Janusweb	-	
Other						
Digital Imaging	-	GeoTek	dimv 198.4, movefiles 202, photo2ora 209	Janusweb, CLV 208.2	-	
VCD	AppleCore 8.1p	-	Janus 206	AppleCore 8.1p	-	
Smear Slides	Smear Slide 208.1	-	-	Janusweb	-	
Splicer	-	-	SplicerIntegrator 208.6	-	-	
Adara, WSTP, DVTP	-	-	GU 204	-	AdaraEditor 206	TFIT 1.04
Tensor	Ttool 190	Champ 1.36 (GE)	-	Janusweb	Ttool 190	
CruiseEval						
Pre-Cruise Site Editor						
Sample Request						

#		TEMPLATE	
1	Objective	Function of the system or software item.	
2	User(s)	What ODP lab or organizational group used the system.	
3	Hardware/OS	Implemented for what computing platform and hardware?	
4	Programming Language	Primary programming language and environment.	
5	Version #	Identifying release number or time period.	
6	Deliverables	Where copies of the programs, documentation, and sources may be found. May include a size for the directory structure. TAPE indicates directory within tape archive on the included 4mm DAT media. CVS indicates directory within tape archive where version controlled sources may be found—same 4mm DAT. WEB indicates a URL from which the system may be accessed. SERVER indicates a server name where the system deliverables were housed at the time of this writing. The directory location is equivalent to that specified in a TAPE or CVS entry. DVD indicates directory or image on an included DVD disc that contains software deliverables.	
7	Dependencies	Hardware and software dependencies for reconstructing the functioning system. Related software systems for round-tripping captured data.	
8	Developer(s)	Names of the people who have worked on the system.	
9	Copyright	ODP, Texas A&M University © 1993-2003	

#		210 Safety	
1	Objective	Transfer selected datasets for remote review by a safety consultant over an always-on network link.
2	User(s)	[shorebased] Safety Consultant, Staff Scientist, Participating Chemist, Drilling Operations Superintendent
3	Hardware/OS	Intel 80x86; Windows NT
4	Programming Language	SQL*Plus; NT-DOS batch scripts; Visual Basic for Applications [scripting language for Microsoft Office].
5	Version #	Leg 210
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/210safety (master working directory) CVS: ./appsdev/REPOSITORY/210safety (master sources)
7	Dependencies	Absolutely dependent on the availability of the satellite network. Also relied on copying a network shared document that was frequently updated—problematic due to file locking issues. Relied on scheduled execution of script to keep data up-to-date.
8	Developer(s)	David Fackler, Matt Mefferd, Cesar Flores
9	Copyright	ODP, Texas A&M University © 2003

#		Adara Editor	
1	Objective	Data entry and editing tool for logging temperature data gathered in the downhole tools lab.	
2	User(s)	Database personnel migrating legacy temperature data. Downhole tools laboratory technician to submit temperature results to the central database.	
3	Hardware/OS	Windows NT/2K/XP	
4	Programming Language	Java 1.4.2	
5	Version #	Release 206. Repackaged for deployment via web post-leg-210.	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/adaraeditor (373KB, master working directory) CVS: ./appsdev/REPOSITORY/adaraeditor (master source code) WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml SERVER: odpsun.tamu.edu	
7	Dependencies	None. Temperature data derives from analysis of captured data. Currently separate tools required for each of data-logger retrieval, and data analysis. See also Downhole; JanusWeb Adara; TFIT.	
8	Developer(s)	Weining Chen	
9	Copyright	ODP, Texas A&M University © 2002-2003	

#		Age Model
1	Objective	Data entry/edit tool for logging age-depth control points into the central database.
2	User(s)	ODP/DSDP legacy data migration personnel. Intended for but never practically used in the shipboard paleontology lab.
3	Hardware/OS	Windows NT/2K/XP
4	Programming Language	Java 1.4.2
5	Version #	Release Leg 208.0
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/agemodel (1.37MB; master working directory) CVS: ./appsdev/REPOSITORY/agemodel (master source code) SERVER: odpsun.tamu.edu
7	Dependencies	None. Intended to accompany and integrate with the Paleo program. See also Paleo; JanusWeb paleontology reports.
8	Developer(s)	Dwight Hornbacher
9	Copyright	ODP, Texas A&M University © 2002-2003

#		Alkalinity
1	Objective	Control system for the alkalinity meter and dosimeter system in the shipboard chemistry lab.
2	User(s)	Chemistry technician and specialists in the JOIDES Resolution environment.
3	Hardware/OS	Windows 98
4	Programming Language	LabVIEW 6.0
5	Version #	Release 197.2. Revisions known to have been made on the production system after this leg.
6	Deliverables	DVD: disc1:\Alkalinity\PC5838WK.PQI (Drive Image Pro, snapshot end-of-leg 210) (master sources included) TAPE: ./appsdev/APPSDEV/develop/alkalinity (not as current as DVD; 40.4 MB) SERVER: odpsun.tamu.edu
7	Dependencies	Relies on proprietary interface to the dosimeter and the particular alkalinity meter used.
8	Developer(s)	William Mills
9	Copyright	ODP, Texas A&M University © 2002-2003

#		Archive Half Multi-Sensor Track (AMST)
1	Objective	Controls sensor and automated track system for processing split-core 1.5 meter sections. Captures color reflectance (RSC) and point magnetic susceptibility (MS2F) data. Also include control module for sample handling and track motion.
2	User(s)	Sediment Lab [although technically capturing physical properties]: operated by participating scientists under the guidance of laboratory specialists.
3	Hardware/OS	Intel 80x86; Windows 98
4	Programming Language	LabView 5.11
5	Version #	Leg 200.
6	Deliverables	DVD: disc1:\AMST\PC524098.PQI (drive image contains master source code and last delivered executable system) TAPE: ./appsdev/APPSDEV/develop/amst (not as current as DVD; 306 MB) SERVER: odpsun.tamu.edu
7	Dependencies	Custom built system from off-the-shelf parts, including but not limited to: * Compumotor 3-axis motion control hardware and drivers (6400 series) * Laser guide for depth and position tracking * Point susceptibility meter and sensor hardware [manufacturer not documented—further research required] * CM2002 reflectance spectroscopy and colorimetry camera, sensitive range 400-700 nm Several other systems upload, manage, and disperse data collected from this system. See also RSCeditor; Generic Uploader; Uploader; Janusweb point susceptibility and color reflectance reports.
8	Developer(s)	William Mills
9	Copyright	ODP, Texas A&M University © 2000-2003

#		AppleCORE	
1	Objective	Tool for the visual description of sediment and hard rock cores. End-product is a barrel-sheet for publication in initial reports. Tool can also extract the description data into a format that can be imported into the central database.
2	User(s)	Sediment lab for data collection efforts. Publications for refining barrel sheet layouts. Data migration efforts for data entry.
3	Hardware/OS	68000 series Macintoshes; MacOS 8.1 or above—can be operated on MacOS X
4	Programming Language	Pascal
5	Version #	Release 8.1p
6	Deliverables	TAPE: ./appsdev/APPSDEV/applecore/AppleCORE8.1p (self-extracting archive) SERVER: odpsun.tamu.edu
7	Dependencies	This is a 3rd party application. Although we have source code, we do not have rights to do anything with it. The Janus.Core Description application provides skeleton files containing key leg, site, hole, etc. data. These texts are imported into AppleCORE and expanded upon.
8	Developer(s)	Dr. Mike Ranger (mranger@telus.net)
9	Copyright	Mike Ranger © 1989-2004

#		ARD to UDF	
1	Objective	Batch conversion of x-ray diffraction system output files from one format to another so the data can be uploaded into the central database in a common format.	
			0
2	User(s)	Data migration personnel.	
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP	
4	Programming Language	Java 1.4.2	
5	Version #	Released Oct. 17, 2003	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ardtoudf (released classes only, no source) SERVER: odpsun.tamu.edu	
7	Dependencies	None.	
8	Developer(s)	Dwight Hornbacher	
9	Copyright	ODP, Texas A&M University © 2003	

#		Batch Converter	
1	Objective	Script to manage and ensure the consistent processing of images captured at the DIS (digital imaging system).
2	User(s)	Science participants operating the digital imaging system.
3	Hardware/OS	Intel 80x86; Windows 2K
4	Programming Language	NT-DOS command batch
5	Version #	Leg 202
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/batchconverter (master sources and working directory; 379 KB) SERVER: odpsun.tamu.edu
7	Dependencies	Part of a suite of post-processing done on images captured by the GeoTek Digital Imaging System. Post processing included converting files to the highly compressed SID format, conforming file names to an expected standard, and scripts to sort the thousands of files into manageable directory structures.
8	Developer(s)	Dwight Hornbacher, David Fackler
9	Copyright	ODP, Texas A&M University © 2001-2003

#		BCR Transfer	
1	Objective	Synchronizes curatorial and sample data between the Bremen Core Repository local database and the central database at the Gulf-Coast Repository (GCR).	
2	User(s)	Database Administrator, Systems Administrator	
3	Hardware/OS	Intel 80x86; Sparc; Oracle database on Windows NT (BCR) and Solaris (GCR)	
4	Programming Language	SQL*Plus, PL/SQL stored procedures and triggers	
5	Version #	circa 1997	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/bcrtransfer (documentation only, contact database administrator for scripts)	
7	Dependencies	Reliable network link between BCR and GCR. Properly installed Oracle database systems on both ends. Series of shell and SQL scripts run on a schedule via the Unix cron utility.	
8	Developer(s)	Gil Munoz, Layne Westover	
9	Copyright	ODP, Texas A&M University © 1997-2003	

#		Biblio
1	Objective	Curatorial tool to track publications based on ODP/DSDP samples. Essentially a keyword taggable/searchable bibliographic database, in some ways redundant with the publications groups bibliographic efforts.
2	User(s)	[shorebased] Curatorial Assistant
3	Hardware/OS	Intel 80x86, PowerPC; Windows NT/2K/XP, Mac OS 8/9
4	Programming Language	Java 1.1.2
5	Version #	Last released May 23, 2002.
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/biblio SERVER: odpsun.tamu.edu
7	Dependencies	Hardware and software dependencies for reconstructing the functioning system. Related software systems for round-tripping captured data.
8	Developer(s)	Chris Goldman [nee Bodley], David Fackler
9	Copyright	ODP, Texas A&M University © 1997-2003

#		Chemistry Editor	
1	Objective	Keyboard entry/update for interstitial water geochemistry data. Intended to expand to support keyboard entry/update for carbonate, rock pyrolysis, and atomic emissions spectroscopy (ICP) data points.	
2	User(s)	Chemistry Lab. Data Migration personnel.	
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP	
4	Programming Language	Java 1.4.2	
5	Version #	Release 0.1 Dec 23, 2003; NOT A PRODUCTION APPLICATION—undergoing test and review.	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/chemeditor (master sources) SERVER: odpsun.tamu.edu	
7	Dependencies	Requires Oracle JDBC (thin client) drivers be properly installed at the server.	
8	Developer(s)	Deepak Kannoju	
9	Copyright	ODP, Texas A&M University © 2003	

#		Close Up
1	Objective	Tool to support the logging and tracking of close-up photos.
2	User(s)	[shipboard] Photographer
3	Hardware/OS	Intel 80x86, PowerPC; Windows NT/2K/XP, MacOS 8/9
4	Programming Language	Java 1.2
5	Version #	Not released.
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/closeup SERVER: odpsun.tamu.edu
7	Dependencies	Requires Oracle JDBC client properly installed at the server.
8	Developer(s)	Niranjana Srinivasan, David Fackler
9	Copyright	ODP, Texas A&M University © 2000-2003

#		Composite Log Viewer	
1	Objective	Graphically displays subsets of the raw science data in the ODP central database. Intended to replace the MsTV (MST data viewer).
2	User(s)	Participating scientists.
3	Hardware/OS	Intel 80x86, Sparc; Windows NT/2K/XP, Solaris 2.9
4	Programming Language	Java 1.4.2
5	Version #	Release 208.2
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/compositelogviewer (master working directory; 9.51 MB) CVS: ./appsdev/REPOSITORY/compositelogviewer (master sources; forked from early JAMSTEC version) SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml
7	Dependencies	Dependent on Oracle running at the server with appropriate JDBC (thin client) access enabled.
8	Developer(s)	JAMSTEC [CCS sub-contractor], Vinod Srinivasan, Yunyou Yao
9	Copyright	ODP, Texas A&M University © 2003

#			Cone Fit
	1	Objective	Numerical calculator to convert the frictional temperature decay from a Davis-Villinger temperature tool to an extrapolated equilibrium temperature. Fits data to a numerically-derived decay function provided by H. Villinger during Leg 168.
	2	User(s)	Downhole tools lab. Downhole tools engineers.
	3	Hardware/OS	Intel 80x86; DOS command-line executable (16-bit)
	4	Programming Language	Microsoft FORTRAN
	5	Version #	Sept 20, 2002
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/conefit (master sources and executables) SERVER: odpsun.tamu.edu
	7	Dependencies	None.
	8	Developer(s)	Acquired from now defunct ADARA corporation.
	9	Copyright	ODP, Texas A&M University © 1995-2003

#		Core	
1	Objective	Replace the legacy 16-bit Janus core-section-subsection data entry.	
2	User(s)	Laboratory specialists. Data quality assurance personnel.	
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP	
4	Programming Language	Java 1.4.2	
5	Version #	Release 0.1	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/core SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu//janusweb/links/javaapps.shtml	
7	Dependencies	Java runtime environment must be installed on the target workstation. Relies on properly configured Oracle database and JDBC (thin client) services.	
8	Developer(s)	Dwight Hornbacher, Niranjana Srinivasan, Hemanth Rajashekar	
9	Copyright	ODP, Texas A&M University © 2000-2003	

#		Coulometer and Balance
1	Objective	Measure total carbonate content of core samples. Automates data acquisition from balance and coulometer. Sample work-lists downloaded from the central database.
2	User(s)	Chemistry lab [ship and shore].
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
4	Programming Language	LabVIEW 6.1
5	Version #	Release v202
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/coulometer DVD: disc3:\Coulometer-Cahn\PC5642NT.PQI SERVER: odpsun.tamu.edu
7	Dependencies	Version on DVD does not match latest release 202 on TAPE. Review required. Serial communications with both the Cahn balance and the Coulometer. Requires access to central database via install of the 32-bit Oracle ODBC client and a LabVIEW driver layer.
8	Developer(s)	William Mills, Granville Wright, David Fackler
9	Copyright	ODP, Texas A&M University © 1993-2003

#		Crew and Cruise
1	Objective	Track and log crew feedback and statistics for ODP legs. Track and log cruise feedback and statistics for ODP legs. Log precruise site and hole designations. Used in leg planning and for storing cruise evaluation results.
2	User(s)	Science services. Tools and analytical services assistant.
3	Hardware/OS	PowerPC; Mac OS 8/9
4	Programming Language	Filemaker Pro 4.0
5	Version #	Unknown
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/crewcruise SERVER: odpsun.tamu.edu
7	Dependencies	Does not include original copy of Filemake Pro 4.0 database. Includes copy converted to Microsoft Access.
8	Developer(s)	External contractor; Ying Zhu
9	Copyright	ODP, Texas A&M University © 1993-2003

#		Cruise Evaluation	
	1	Objective	Obtain staff and participant feedback regarding all aspects of the ODP leg. Intended to replace the 'Post-Leg Overview' application of the JanusWeb project.
	2	User(s)	Science and ODP staff participants on a leg.
	3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
	4	Programming Language	Java 1.4.2 (development version targetted for release)
	5	Version #	Sep 24, 2003
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/cruiseeval (executable only, no sources!) CVS: ./appsdev/REPOSITORY/cruiseeval SERVER: odpsun.tamu.edu
	7	Dependencies	Relies on central Oracle database with JDBC (thin client) services enabled. Need to get sources and HTML interface definitions off the developers hard-drive and into version control.
	8	Developer(s)	Dwight Hornbacher
	9	Copyright	ODP, Texas A&M University © 2003

		Cryomagnetometer Data Editor
#		
1	Objective	Simplify the process of deleting and recoding already uploaded cryomagenetometer data.
2	User(s)	Palemagnetics specialist.
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
4	Programming Language	LabVIEW 6.1
5	Version #	Release 206.0
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/cryoedit SERVER: odpsun.tamu.edu
7	Dependencies	Relies on 32-bit Oracle client and ODBC software being installed for database connectivity. Also requires LabVIEW-ODBC bridge components from National Instruments SQL Toolkit.
8	Developer(s)	Gil Munoz, David Fackler
9	Copyright	ODP, Texas A&M University © 1997-2003

#		Curation	
1	Objective	Replace functionality of Janus Curation and TheGate. Critical component for shipboad management of sample requests , sampling planning.	
2	User(s)	Curators. Curatorial Assistants. Database quality assurance personnel.	
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP	
4	Programming Language	Java 1.4.2	
5	Version #	Not released.	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/curation CVS: ./appsdev/REPOSITORY/curation SERVER: odpsun.tamu.edu	
7	Dependencies	Relies on central Oracle database accessible via JDBC (thin client) protocols.	
8	Developer(s)	Niranjana Srinivasan, Dwight Hornbacher, Yunyou Yao, David Fackler	
9	Copyright	ODP, Texas A&M University © 1997-2003	

		Digital Image Move
#		
1	Objective	Move, rename, and organize digital image files from the GeoTek digital imaging system in a consistent way.
2	User(s)	Marine Computer Specialists. Data librarian.
3	Hardware/OS	Sparc; Solaris
4	Programming Language	Perl 5.0
5	Version #	Release 198.4
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/digitalimaging CVS: ./appsdev/REPOSITORY/digitalimaging SERVER: odpsun.tamu.edu
7	Dependencies	Hardware and software dependencies for reconstructing the functioning system. Related software systems for round-tripping captured data.
8	Developer(s)	David Fackler, Weining Chen
9	Copyright	ODP, Texas A&M University © 2001-2003

#		Downhole Tools	
1	Objective	Extract data-logger content, analyze it for best fit temperature. Upload the data to the central database. Provide support for multiple, similar downhole tools.
2	User(s)	Downhole tools specialist. Electronics technicians supporting the tools.
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
4	Programming Language	LabVIEW 6.1
5	Version #	Jan 26, 1991
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/downhole (see also legacy tools for this lab in ../ATTIC/downholetools) SERVER: odpsun.tamu.edu
7	Dependencies	Serial interface to tool data logger. Data logger hardware being replaced. Program is not complete for day-to-day usage—rough edges. Version here is not the master copy. Obtain it from William Mills.
8	Developer(s)	William Mills, Dean Ferrell
9	Copyright	ODP, Texas A&M University © 1991-2003

#		Email Billing	
1	Objective	Sort and search the email logs so as to properly bill individuals for bytes and bandwidth used.
2	User(s)	Marine Computer Specialists.
3	Hardware/OS	Intel 80x86, Mac OS 8/9/X
4	Programming Language	Microsoft Excel
5	Version #	Jan 7, 2003
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/emailbilling SERVER: odpsun.tamu.edu
7	Dependencies	Must have logs from the internet gateway (GWIA) available for processing.
8	Developer(s)	Granville Wright, David Morley
9	Copyright	ODP, Texas A&M University © 2001-2003

#		Gas Analysis	
1	Objective	Provide graphic and tabular displays of safety-related chemistry data.
2	User(s)	Chemistry lab, operations manager.
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
4	Programming Language	LabVIEW 6.0.1
5	Version #	Release 202.0
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/gasanalysis SERVER: odpsun.tamu.edu
7	Dependencies	LabVIEW 6.0 runtime environment. Relies on Oracle client 8.1.7. Must have ODBC installed and configured. Must have LabVIEW-ODBC bridge DLLs installed (SQL Toolkit).
8	Developer(s)	Gil Munoz, David Fackler
9	Copyright	ODP, Texas A&M University © 1997-2003

#		The Gate
1	Objective	Enter sample request information. Track the progress of sample request fulfillment.
2	User(s)	Shipboard labs and core repositories.
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
4	Programming Language	Microsoft Access 97
5	Version #	Dec 19, 2003
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/gateprod SERVER: odpsun.tamu.edu
7	Dependencies	Requires Microsoft Access.
8	Developer(s)	Jack Foster, Ying Zhu, Weining Chen
9	Copyright	ODP, Texas A&M University © 1997-2003

#		Generic Uploader
1	Objective	Attended batch upload of instrumentation raw data files into the central database. Presently supports these data types: GRA, PWL, MSL, NGR, PMAG, PWS3, XRD, RSC, NCR.
2	User(s)	Physical properties technician. Paleomag technician. Science participants. Data quality assurance specialists.
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
4	Programming Language	LabVIEW 6.1
5	Version #	Release 207.0
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/gu CVS: ./appsdev/REPOSITORY/gu SERVER: odpsun.tamu.edu
7	Dependencies	Relies on installation of 32-bit Oracle client, with ODBC driver. Relies on LabVIEW-to-ODBC bridge DLLs found in National Instrument's SQL Toolkit.
8	Developer(s)	Chris Goldman, David Fackler, Dwight Hornbacher, Deepak Kannoju
9	Copyright	ODP, Texas A&M University © 1999-2003

#		Janus
1	Objective	Automate critical shipboard laboratory production functions around a central database: leg, site, hole definition; core, section, and sample logging; paleontology data entry; core description support; various data uploaders; various data editors; selected reports.
2	User(s)	Drilling Operations; Curation; automation pieces for each of Chemistry, X-Ray, Physical Properties, Stratigraphic Correlation, Core Description, Paleontology
3	Hardware/OS	Intel 80x86, Motorola 68000, Sparc; Windows 3.x, MacOS 7.x, Solaris 4
4	Programming Language	C with APIs from Neuron Data's Client/Server Elements
5	Version #	Leg 207.1
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/janus CVS: ./appsdev/REPOSITORY/janus SERVER: odpsun.tamu.edu
7	Dependencies	Most recent versions implemented for Intel hardware only. Depends on 16-bit Oracle client from Windows client v7.x. Depends on fully functional Janus data model. Microsoft Visual C 1.52. Relies on Neuron Data runtime DLLs.
8	Developer(s)	David Fackler, Dwight Hornbacher, Yunyou Yao; Tracor Systems: Glen Corser, Paul Albright, Marshal Bruni, Wendy Autio, Linda Noack, et al
9	Copyright	ODP, Texas A&M University © 1996-2003

#		JanusWeb Reports and Tools
1	Objective	Make centrally stored datasets available via the web as tabular reports. Provide production environment single-purpose tools: add depths to a file, core-on-deck display.
2	User(s)	Science community. Internal personnel. Most reports publicly available.
3	Hardware/OS	Sparc; Solaris 2.9
4	Programming Language	GNU C 3.x; Oracle Pro*C 2.x
5	Version #	Release 210
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/janusweb CVS: ./appsdev/REPOSITORY/janusweb SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu/janusweb/links/links_all.shtml
7	Dependencies	Relies on server-side installation of Oracle client software. Each report tied to the specific structures of the data model it queries.
8	Developer(s)	David Fackler, Dwight Hornbacher, Vinod Srinivasan, Hemanth Rajashekar, Weining Chen, Ying Zhu, and many more
9	Copyright	ODP, Texas A&M University © 1993-2003

#		Java Web Start	
1	Objective	Scripting for signing and deploying packaged Java applications to the ODP web site.
2	User(s)	Java application developers.
3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X
4	Programming Language	Java 1.4.2
5	Version #	Oct 19, 2003
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/javawebstart CVS: ./appsdev/REPOSITORY/javawebstart (master copy) WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml SERVER: odpsun.tamu.edu
7	Dependencies	Scripting dependent on GNU make. Java tools must be available for scripting to function.
8	Developer(s)	Vinod Srinivasan, David Fackler
9	Copyright	ODP, Texas A&M University © 2003

#			Long Core
	1	Objective	Acquisition of paleomagnietics data from discrete samples and sectioned core. Control systems for a 2G Systems cryomagnetometer.
	2	User(s)	Paleomagnetics Lab. Shore laboratories.
	3	Hardware/OS	Intel x86; Windows NT/2K/XP
	4	Programming Language	National Instruments LabVIEW 6.x
	5	Version #	Version 207
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/longcore CVS: ./appsdev/REPOSITORY/longcore SERVER: odpsun.tamu.edu DVD:
	7	Dependencies	Requires functioning 2G Systems cryomagnetometer and all associated amplifier and signal conditioning hardware. The PC to electronics interface is all handled vis RS-232 communications.
	8	Developer(s)	Deepak Kannoju, David Fackler, Wm. Mills
	9	Copyright	2G Systems © 1985-2003 (perpetual license to ODP; code-base forked from commercial version)

#		LabVIEW Libraries	
1	Objective	Re-usable modules and functions for database connectivity, file input/output, etc.	
2	User(s)	LabVIEW application developers.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	National Instruments LabVIEW 4.x/5.x/6.x	
5	Version #	Oct 1, 2003	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/lvlib SERVER: odpsun.tamu.edu	
7	Dependencies	Database connectivity modules rely on proper installation of Oracle 32-bit client software and ODBC drivers.	
8	Developer(s)	David Fackler, Dwight Hornbacher, Wm. Mills	
9	Copyright	ODP, Texas A&M University © 1993-2003	

		Mac to PC	
#			
1	Objective	Translate text file line delimiters from the Macintosh format to the PC format.	
2	User(s)	Lab specialists. Developers.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	National Instruments LabVIEW 5.x	
5	Version #	Version 188	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/mac2pc SERVER: odpsun.tamu.edu	
7	Dependencies	LabVIEW runtime system 5.1.	
8	Developer(s)	Dwight Hornbacher	
9	Copyright	ODP, Texas A&M University © 1993-2003	

#		Moisture and Density [Index Properties]
1	Objective	Acquire density and volume data on core samples via integrated hardware control of a pycnometer and balance.
2	User(s)	Physical Properties lab. GCR lab.
3	Hardware/OS	Intel x86; Windows NT/2K/XP
4	Programming Language	National Instruments LabVIEW 6.x
5	Version #	Version 200.3
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/mad CVS: ./appsdev/REPOSITORY/mad SERVER: odpsun.tamu.edu DVD:
7	Dependencies	Custom hardware to patch into pycnometer keypad. Balance systems require special signal amplification and conditioning hardware.
8	Developer(s)	Dwight Hornbacher, David Fackler, Gil Munoz
9	Copyright	ODP, Texas A&M University © 1995-2003

#		Mail Transfer	
1	Objective	Agent for managing transfer of messages between the ship and shore post offices via an FTP link.	
2	User(s)	Marine Computer Specialists	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	Microsoft Visual C 1.52; Microsoft Visual Basic .NET	
5	Version #	Leg 210	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/mailtransfer SERVER: odpsun.tamu.edu	
7	Dependencies	Requires available network connectivity between ship and shore.	
8	Developer(s)	Chris Bennight, Chris Goldman, Gil Munoz, Erik Moortgat, John Davis	
9	Copyright	ODP, Texas A&M University © 1996-2003	

#		Manuscript Tracker	
1	Objective	Database for tracking orders for ODP volumes, manuscripts and CDs.	
2	User(s)	Publications shipping personnel.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	Microsoft Access	
5	Version #	Oct 1, 1999	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/mantrack SERVER: ./appsdev/REPOSITORY	
7	Dependencies	None.	
8	Developer(s)	Jack Foster, David Fackler, Ying Zhu, Weining Chen	
9	Copyright	ODP, Texas A&M University © 1993-2003	

#		MST Migration	
1	Objective	Software support for the migration of MST data files into the central database.
2	User(s)	Data migration personnel. Developers supporting the migration effort.
3	Hardware/OS	Sparc, Intel x86; Solaris 2.x, Windows NT/2K/XP
4	Programming Language	Java 1.2
5	Version #	Aug 13, 2001
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/mstmigration SERVER: odpsun.tamu.edu
7	Dependencies	Dependent on proper access and configuration of central database.
8	Developer(s)	Yu-Xing Xu, Golam Sarker, Susan Freeman
9	Copyright	ODP, Texas A&M University © 1998-2003

#		MsTV	
1	Objective	Simple graphical display of multisensor track data against depths. Multiple graphs visible at once.	
2	User(s)	Scientists and technicians reviewing MST and related datasets.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	National Instruments LabVIEW 6.x	
5	Version #	Leg 198.0	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/mstv SERVER: odpsun.tamu.edu	
7	Dependencies	Relies on properly installed and configured Oracle 32-bit client software and ODBC drivers for database access.	
8	Developer(s)	Gil Munoz, David Fackler	
9	Copyright	ODP, Texas A&M University © 1998-2003	

#		ODP Library
1	Objective	Collection of commonly used classes for ODP-related java application development.
2	User(s)	Application developers.
3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X
4	Programming Language	Java 1.4.2
5	Version #	Dec 23, 2003
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/odplib CVS: ./appsdev/REPOSITORY/odplib SERVER: odpsun.tamu.edu
7	Dependencies	Database connectivity modules rely on proper Oracle client installation for OCI 'thick client' access. Thin client (JDBC) access relies on the availability of the Oracle driver files (classes12.zip or ojdbc14.jar).
8	Developer(s)	Vinod Srinivasan, Dwight Hornbacher, David Fackler
9	Copyright	ODP, Texas A&M University © 2002-2003

#		Operations	
1	Objective	Data entry screens and reporting tools for managing a leg and drilling operations: leg, site, hole entry; time offset specification; operations time logging; primary, secondary core data entry.
2	User(s)	Drilling managers, superintendents, and core technicians.
3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X
4	Programming Language	Java 1.4.2
5	Version #	not released
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/operations CVS: ./appsdev/REPOSITORY/operations WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml SERVER: odpsun.tamu.edu
7	Dependencies	Relies on the 'odplib' libraries for configuration info and database access. No instrumentation dependencies.
8	Developer(s)	Dwight Hornbacher, Yunyou Yao, Deepak Kannoju
9	Copyright	ODP, Texas A&M University © 2001-2003

#		Paleo
1	Objective	Data entry system for capturing micropaleontology occurrence data useful for calculating ages.
2	User(s)	Shipboard paleontologists. Paleontology data migration specialists.
3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X
4	Programming Language	Java 1.4.2
5	Version #	Release 210.0.4
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/paleo CVS: ./appsdev/REPOSITORY/paleo WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml SERVER: odpsun.tamu.edu
7	Dependencies	Relies on 'odplib' project for database access and preferences configuration.
8	Developer(s)	Dwight Hornbacher, Weining Chen, David Fackler
9	Copyright	ODP, Texas A&M University © 2000-2003

#		Paleo Datum	
1	Objective	Select the datum points that will feed into the micropaleontology-based age model.	
2	User(s)	Shipboard paleontologists. Paleo data migration specialists.	
3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X	
4	Programming Language	Java 1.4.2	
5	Version #	Mar 7, 2003	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/paleodatum SERVER: odpsun.tamu.edu	
7	Dependencies	Relies on the retired 'javalib' library classes for database access.	
8	Developer(s)	Dwight Hornbacher	
9	Copyright	ODP, Texas A&M University © 2000-2003	

#		Paleo Input	
1	Objective	Automate import of well-defined paleontology species lists into the central paleontology data model.	
2	User(s)	Paleontology data migration specialists.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	Java 1.2	
5	Version #	May 14, 2002	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/paleoinput SERVER: odpsun.tamu.edu	
7	Dependencies	Properly formatted input files.	
8	Developer(s)	Dwight Hornbacher	
9	Copyright	ODP, Texas A&M University © 2000-2003	

#		Paleo Update	
1	Objective	Tool to assist in an early paleontology data migration effort/analysis. Reformat range charts in a standard way for the next step of uploading.	
2	User(s)	Data migration specialists.	
3	Hardware/OS	Intel x86; Windows 3.x/NT/2K/XP	
4	Programming Language	Microsoft Visual C/C++ 2.0	
5	Version #	Oct 21, 1998	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/paleoupdate SERVER: odpsun.tamu.edu	
7	Dependencies	None.	
8	Developer(s)	Gil Munoz	
9	Copyright	ODP, Texas A&M University © 1998-2003	

#		Payroll and Personnel	
1	Objective	Payroll timesheet printing. Tracking of personnel data for payroll records.	
2	User(s)	Administrative personnel.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	Microsoft Access 97	
5	Version #	Mar 6, 2003	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/payper SERVER: odpsun.tamu.edu	
7	Dependencies	None.	
8	Developer(s)	Ying Zhu, Weining Chen	
9	Copyright	ODP, Texas A&M University © 1993-2003	

#		Photo links to Oracle	
	1	Objective	Script to automate insertion of digital image links into the central database. Support provided for core photos, section images, and prime data scanned from microfiche.
	2	User(s)	Supports the use of the JanusWeb Photo query.
	3	Hardware/OS	Sparc; Solaris 2.x
	4	Programming Language	Perl 5.0.x
	5	Version #	Jun 2, 2003
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/phot2ora SERVER: odpsun.tamu.edu
	7	Dependencies	Script run against server-side.
	8	Developer(s)	Weining Chen, David Fackler
	9	Copyright	ODP, Texas A&M University © 2001-2003

#			Property Database
1	Objective		Database to track the location and original value of ODP computing equipment, furniture, instrumentation, etc.
2	User(s)		Administrative reporting. Departmental managers reviewing budgets.
3	Hardware/OS		Intel x86; Windows NT/2K/XP
4	Programming Language		Microsoft Access 97
5	Version #		Jul 7, 2000
6	Deliverables		TAPE: ./appsdev/APPSDEV/develop/property SERVER: odpsun.tamu.edu
7	Dependencies		None.
8	Developer(s)		Ying Zhu, Weining Chen, Mary Pat Thraen
9	Copyright		ODP, Texas A&M University © 2002-2003

#		Rate Calculator for Email Billing
1	Objective	Read GroupWise transaction logs for information that can be used to generate an email billing statement based on usage.
2	User(s)	Marine computer specialists.
3	Hardware/OS	Intel x86; Windows NT/2K/XP
4	Programming Language	Microsoft Visual C/C++ 6.0
5	Version #	Jan 25, 2001
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ratecalc SERVER: odpsun.tamu.edu
7	Dependencies	Requires integration with GroupWise software development kit modules (gwmmla32.dll).
8	Developer(s)	Chris Goldman, David Morley
9	Copyright	ODP, Texas A&M University © 1993-2003

#		RSC Editor	
1	Objective	Browse color reflectance data loaded into the central database. Assist in correcting common data errors deriving from procedural oversights.
2	User(s)	Paleomagnetics technician. Laboratory technicians overseeing color reflectance station.
3	Hardware/OS	Intel x86; Windows NT/2K/XP
4	Programming Language	National Instruments LabVIEW 6.0.2
5	Version #	Leg 202.0; Apr 18, 2002
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/rscedit SERVER: odpsun.tamu.edu
7	Dependencies	Relies on LabVIEW-to-ODBC connectivity layer (SQL Toolkit). Relies on properly configured Oracle client and ODBC driver.
8	Developer(s)	David Fackler
9	Copyright	ODP, Texas A&M University © 2000-2003

#		Ship to Shore
1	Objective	Generate shipping papers, customs documentation and packing lists for materials returning from ship.
2	User(s)	Lab and Assistant Lab Officers.
3	Hardware/OS	Intel x86; Windows NT/2K/XP
4	Programming Language	Microsoft Access 2000
5	Version #	Jul 15, 2003
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/s2s SERVER: odpsun.tamu.edu
7	Dependencies	Effective forms printing dependent on capable fully featured printer to get double-sided correct output.
8	Developer(s)	Wm. Mills
9	Copyright	ODP, Texas A&M University © 2000-2003

#			Sampling
1	Objective		Automation for sample data entry. Intended for both repository and shipboard use.
2	User(s)		Repository personnel. Curators and curatorial assistants.
3	Hardware/OS		Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X
4	Programming Language		Java 1.4.2
5	Version #		version 209.4
6	Deliverables		TAPE: ./appsdev/APPSDEV/develop/sampling CVS: ./appsdev/REPOSITORY/sampling (master copy) SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml
7	Dependencies		Relies on 'odplib' code libraries. Relies on functioning central database. For barcode label printing support relies on Seagull Scientific Systems Bartender product.
8	Developer(s)		Weining Chen, Dwight Hornbacher, David Fackler
9	Copyright		ODP, Texas A&M University © 1993-2003

#		Scientech Balance
1	Objective	Automation for obtaining accurate mass measurements in an unstable shipboard environment.
2	User(s)	Technicians and scientists in the X-Ray, Chemistry, and the Index properties lab.
3	Hardware/OS	Intel x86; Windows NT/2K/XP
4	Programming Language	National Instruments LabVIEW 6.1
5	Version #	Version 194.2; Feb 24, 2001
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/scientech SERVER: odpsun.tamu.edu
7	Dependencies	Relies on a National Instruments board (PCI-M10-16E) for capture of the signal from the Scientech Balance electronics.
8	Developer(s)	Wm. Mills, David Fackler
9	Copyright	ODP, Texas A&M University © 1993-2003

#		Scripts
1	Objective	Developer reference material for providing support and understanding for database views, triggers, stored procedures used in the central database schema.
2	User(s)	Developers.
3	Hardware/OS	Sparc; Oracle over Solaris 2.x
4	Programming Language	Oracle-specific SQL, PL/SQL
5	Version #	not applicable
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/scripts SERVER: odpsun.tamu.edu
7	Dependencies	Require client access to the central database.
8	Developer(s)	Layne Westover, David Fackler, Tracor Systems: Wendy Autio, Linda Noack, et al
9	Copyright	ODP, Texas A&M University © 1993-2003

#			Section Editor
	1	Objective	Allows post-cruise editing of section curated and liner lengths. When changes are made, the depth-lookup tables are recalculated.
	2	User(s)	Data quality assurance personnel. Repository personnel re-curating cores.
	3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
	4	Programming Language	Java 1.4.2
	5	Version #	Release 210.2; Oct 8, 2003
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/sectioneditor CVS: ./appsdev/REPOSITORY/sectioneditor SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml
	7	Dependencies	Depends on Oracle database with JDBC (thin client) services enabled.
	8	Developer(s)	Yunyou Yao
	9	Copyright	IODP, Texas A&M University © 2003

#		Smear Slide Entry/Edit
1	Objective	Data entry interface for sedimentary smear slide observations.
2	User(s)	Sediment lab scientists. Data quality assurance personnel.
3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X
4	Programming Language	Java 1.4.2
5	Version #	Version 208.1
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/smearslide CVS: ./appsdev/REPOSITORY SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml
7	Dependencies	Relies on properly configured central database. Requires java runtime environment.
8	Developer(s)	Vinod Srinivasan
9	Copyright	ODP, Texas A&M University © 1993-2003

#		Splicer Integrator
1	Objective	Support stratigraphic analysis by simplifying the download of required data, and by simplifying data upload to the central server.
2	User(s)	Shipboard stratigraphic correlators.
3	Hardware/OS	Sparc; Solaris 2.x
4	Programming Language	Java 1.4.2
5	Version #	Version 208.6
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/splicerintegrator CVS: ./appsdev/REPOSITORY/splicerintegrator SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml
7	Dependencies	Depends on properly configured central database. Relies on installed java runtime environment.
8	Developer(s)	Yunyou Yao
9	Copyright	ODP, Texas A&M University © 2003

		The Gate	
#			
1	Objective	Repository and curatorial management tool. Enter and track sample request proposals and their fulfillment.	
2	User(s)	Curatorial personnel.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	Microsoft Access 97	
5	Version #	Dec 17, 2003	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/thegate SERVER: odpsun.tamu.edu	
7	Dependencies	Relies on Oracle client based ODBC access to the central database. Proper installation and availability of the central server.	
8	Developer(s)	Weining Chen, Ying Zhu, David Fackler	
9	Copyright	ODP, Texas A&M University © 2001-2003	

#		Thermal Conductivity
1	Objective	Third party (TK systems) software controlling the acquisition of temperature probe data.
2	User(s)	Physical properties technician.
3	Hardware/OS	Intel x86; DOS
4	Programming Language	Unknown
5	Version #	Version 3.04
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/thermcon SERVER: odpsun.tamu.edu
7	Dependencies	Runs under DOS 6.22. Dedicated interfaces to the thermal conductivity sensor electronics.
8	Developer(s)	None. Externally developed by thermal conductivity vendor [TK Systems].
9	Copyright	ODP, Texas A&M University © 1989-2003

#		Time Estimator	
1	Objective	Tools for estimating duration of drilling operations—both as a spreadsheet and as a dedicated application.	
2	User(s)	Drilling superintendents. Co-chiefs and staff scientists planning for a leg.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	Microsoft Quickbasic	
5	Version #	Nov 25, 1998	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/timeestimator SERVER: odpsun.tamu.edu	
7	Dependencies	Relies on local database and configuration files for time estimation. Excel version has all required inputs embedded in the spreadsheet.	
8	Developer(s)	John Eastlund	
9	Copyright	ODP, Texas A&M University © 1998-2003	

#			Tensor Tool
	1	Objective	Identify core orientation via analysis of tensor logs. Upload result data to the central database.
	2	User(s)	Paleomagnetics technician.
	3	Hardware/OS	Intel x86; Windows NT/2K/XP
	4	Programming Language	National Instruments LabVIEW 5.1
	5	Version #	Version 190.0; May 29, 2000
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ttool SERVER: odpsun.tamu.edu
	7	Dependencies	Relies on local Oracle client ODBC sub-system. Requires LabVIEW-to-ODBC bridge (SQL Toolkit). Relies on LabVIEW 5.1 runtime environment.
	8	Developer(s)	David Fackler, Gil Munoz
	9	Copyright	ODP, Texas A&M University © 1998-2003

#		Underway Geophysics	
1	Objective	Consolidate data logging for gravity and bathymetry in one application. Support for magnetic survey and seismic profile logging.	
2	User(s)	Laboratory technicians assigned underway watch.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	National Instruments LabVIEW 5.1	
5	Version #	Version 208.1	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/underway SERVER: odpsun.tamu.edu	
7	Dependencies	Relies on serial access to GPS atomic clock signals. Serial control of bathymetric recorders.	
8	Developer(s)	Wm. Mills	
9	Copyright	ODP, Texas A&M University © 2000-2003	

#		Uploader
1	Objective	Parse raw data files for content and upload it to the central database. Batch processing for the upload of scientific data.
2	User(s)	Corelab technicians. Data migration specialists.
3	Hardware/OS	Intel x86, Sparc, PowerPC; Windows NT/2K/XP, Solaris 2.x, Mac OS X
4	Programming Language	Java 1.4.2
5	Version #	Version 210.4
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/uploader CVS: ./appsdev/REPOSITORY/uploader SERVER: odpsun.tamu.edu WEB: http://www-odp.tamu.edu/janusweb/links/javaapps.shtml
7	Dependencies	Properly configured and operating central database. Relies on 'odplib' class library. Requires java runtime environment. Input files must be in expected/supported formats.
8	Developer(s)	Yunyou Yao, Deepak Kannoju
9	Copyright	ODP, Texas A&M University © 1993-2003

#			Velocity, Shear
	1	Objective	Acquisition of velocity and shear measurements on split cores.
	2	User(s)	Physical properties technician and scientists.
	3	Hardware/OS	Intel x86; Windows 98
	4	Programming Language	National Instruments LabVIEW 5.1
	5	Version #	Version 207
	6	Deliverables	DVD: disc4:\vs\PC*.PQI TAPE: ./appsdev/APPSDEV/develop/vsr SERVER: odpsun.tamu.edu
	7	Dependencies	Entire control system is tightly coupled with the track hardware: stepper/counter, sonic transducers, torsion and shear transducers. Related software systems provide for the upload of the data type acquired: Generic Uploader support PWS1,2,3; AVS. JanusWeb data reports.
	8	Developer(s)	Wm. Mills, Yunyou Yao, David Fackler
	9	Copyright	ODP, Texas A&M University © 1993-2003

#		Whole Core Multi-Sensor Track (WCMST)
1	Objective	Controls a multi-sensor track which handles 1.5 meter whole-round sections of core. It has a central control module (sample handler), and 5 sensor modules: gamma ray attenuation porosity evaluation (GRAPE), p-wave sonic velocity (PWL), magnetic susceptibility (MSL) via a Bartington loop, natural gamma (NGR), and non-contact resistivity (NCR) via GeoTek equipment.
2	User(s)	Physical Properties Lab: operated by participating scientist under the guidance of laboratory technicians.
3	Hardware/OS	Intel 80x86, Windows 98
4	Programming Language	LabView, Visual C/C++ for some NGR/GRA hardware driver-integration
5	Version #	Central control module v. 200, GRAPE module v. 200, P-Wave module v. 207, Magnetic Susceptibility module v. 200, NGR module v. 200, NCR module v. 204
6	Program Size	DVD: disc5:\MST1\PC5634WK.PQI (Drive Image Pro 4.0 image of disk end-of-leg 210) TAPE: ./appsdev/APPSDEV/develop/wcmst (DVD is considered newer; 132 MB) SERVER: odpsun.tamu.edu
7	Dependencies	LabView 5.11 for overall user interface and control sequencing.Visual C/C++ 6.0 for NGR/GRA driver development. Many hardware-related dependencies, not limited to: * Compumotor stepper motor and control software (6200 series control software and hardware)for each specific piece of hardware used. * GRA/NGR: TRUMP-PCI-2K multi-channel buffer (MCB) cards for signal analysis. * GRA/NGR: Maestro 5.31 signal analysis tools and MCB driver software, Perkin-Elmers (now AMI?). * GRA/NGR: amplification, signal filtering hardware manufactured by ORTEC EG&G, rack mounted. * NGR: custom built detector system for track mounting, ORTEC EG&G. * PWL: National Instruments 5102 digital oscilloscope board and associated NI-SCOPE 2.0.1 driver software. * MSL: Bartington sensor loop and serial-access control box.. * NCR: Stand-alone sensor and rack-mounted control box manufactured by GeoTek. Related software systems provide for the upload, editing, viewing, and dispersal of data collected by this system. See also: Janus MST (Input/Edit>>Edit/Delete Section/Data); MsTV; CompositeLogViewer; Generic Uploader; Uploader; JanusWeb Physical
8	Developer(s)	William Mills, David Fackler, Dwight Hornbacher, Yunyou Yao
9	Copyright	ODP, Texas A&M University © 1992-2003
	Note: All legacy source code as of Leg 210	

#		XRD Converter	
1	Objective	Generate data files missing from shipboard raw data collection: conduct peak analysis on UDI files to generate UDF files.	
2	User(s)	Data migration personnel.	
3	Hardware/OS	Intel x86; Windows NT/2K/XP	
4	Programming Language	National Instruments LabWindows/CVI 5.1	
5	Version #	Jan 7, 1999	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/xrdconv SERVER: odpsun.tamu.edu	
7	Dependencies	Relied on a peak detection algorithm slightly different than used in the Philips software.	
8	Developer(s)	Dwight Hornbacher	
9	Copyright	ODP, Texas A&M University © 1999-2003	

		Applications in the following sheets have been retired. Generally they have been replaced by applications with equivalent functionality. In the other cases, applications were retired due to disuse or simple lack of resources to complete a project of questionable importance.
		## Adara Uploader/Editor
#		
1	Objective	Tool for uploading temperature fit data points from a file into the central database. Provided functions to delete tool run and temperature fit information from the central database.
2	User(s)	Downhole tools lab. Data quality assurance personnel.
3	Hardware/OS	Intel 80x86; Windows NT
4	Programming Language	National Instruments LabVIEW 5.0.1f1
5	Version #	Leg 184.0; APPLICATION RETIRED—replaced by java based adaraeditor application.
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/adara (master sources, documentation and executables) SERVER: odpsun.tamu.edu
7	Dependencies	Relies on a web CGI function to execute SQL code (http://www-odp.tamu.edu/janusweb/general/exe_sql.cgi) rather than using an ODBC interface.
8	Developer(s)	David Fackler
9	Copyright	ODP, Texas A&M University © 1999-2003

		Beacon Rise
#		
1	Objective	Simulate the surfacing time of a beacon based on water depth and battery weights in hopes of better determining where and when the beacon will surface.
2	User(s)	[shipboard] Dynamic positioning specialists.
3	Hardware/OS	Intel 80x86; Windows NT
4	Programming Language	LabVIEW 4.1
5	Version #	Leg 179; RETIRED—no replacement, not supported
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/beaconrise (executable only, no sources) SERVER: odpsun.tamu.edu
7	Dependencies	Hardware and software dependencies for reconstructing the functioning system. Related software systems for round-tripping captured data.
8	Developer(s)	Names of the people who have worked on the system.
9	Copyright	ODP, Texas A&M University © 1998-2003

#		BOL/EOL Synchronizer	
1	Objective	Synchronize changes between ship and shore production database reference tables.	
2	User(s)	Marine Computer Specialists, Database Administrator	
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP	
4	Programming Language	Java 1.2	
5	Version #	July 13, 2000; RETIRED—moved synchronization task to be a shorebased responsibility, database group may have more complete version than recorded here.	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/boleolsynchronizer (master sources and documentation) SERVER: odpsun.tamu.edu	
7	Dependencies	None.	
8	Developer(s)	Yu-Xing Zhu, Golem Sarker, Dwight Hornbacher	
9	Copyright	ODP, Texas A&M University © 2000-2003	

#			Check Net
	1	Objective	Verify the availability of a remote database while logging the times it was available. Verify the reliability of a wide-area network.
	2	User(s)	Applications developers, Network managers.
	3	Hardware/OS	Intel 80x86; Windows 3x/NT/2K/XP
	4	Programming Language	C using Neuron Data Client/Server Elements APIs.
	5	Version #	May 24, 1996; RETIRED—database remote availability testable by using Oracle's TNSPING tool.
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/checknet (master sources, documentation, and executables) SERVER: odpsun.tamu.edu
	7	Dependencies	Relies on Neuron Data runtime environment installation. Relies on proper installation of 16-bit Oracle client (v7.3.x).
	8	Developer(s)	Gil Munoz
	9	Copyright	ODP, Texas A&M University © 1993-2003

#		Data Migration Conversion Sources
1	Objective	Collection of compiled scripts and programs used to batch migrate curatorial, bibliographic, scientist, and sample information from data dumped from the old VAX S1032 database.
2	User(s)	Data Migration personnel.
3	Hardware/OS	Dec Alpha; TRU64 Unix
4	Programming Language	C reliant on Oracle's Pro*C and libraries for database connectivity.
5	Version #	Oct 22, 1997; RETIRED—essentially one-time use programs once the uploaded data was certified.
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/convsrc SERVER: odpsun.tamu.edu
7	Dependencies	Relies on installation of Oracle client software and libraries to function.
8	Developer(s)	Gil Munoz, Susan Freeman
9	Copyright	ODP, Texas A&M University © 1997-2003

#		Convert Mail Address Lists
1	Objective	Convert email address lists dumped from ccMail for import into the GroupWise system.
2	User(s)	System and Network Managers.
3	Hardware/OS	Intel 80x86; Windows 3.11
4	Programming Language	Microsoft Visual C 1.52; Neuron Data Client/Server Elements API
5	Version #	Nov 1, 1999. RETIRED—one-time use.
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/convmail SERVER: odpsun.tamu.edu
7	Dependencies	None. Stand-alone application, does NOT rely on Oracle 16-bit client installation.
8	Developer(s)	Gil Munoz
9	Copyright	ODP, Texas A&M University © 1999-2003

#		Data Map	
1	Objective	Alternative interface to the JanusWeb reports via a hot-linked map of the globe. Early explorations in Java applet programming.
2	User(s)	Researchers requiring captured core data
3	Hardware/OS	DEC Alpha; TRU64 Unix
4	Programming Language	Java 1.2
5	Version #	Dec 17, 1998—RETIRED, not replaced.
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/datamap SERVER: odpsun.tamu.edu
7	Dependencies	Provided hooks for calling into the JanusWeb reporting system configured on the same server. Also known as 'Java Map'.
	Developer(s)	Jeff Sauls, Yu-Xing Zhou
9	Copyright	ODP, Texas A&M University © 1998-2003

#			Data Requests
	1	Objective	Manage and track completion of data requests that were not feasible to fulfill via the web.
	2	User(s)	Data librarian.
	3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
	4	Programming Language	Microsoft Access 97
	5	Version #	Jun 4, 1999—RETIRED; is not an active development project although the resource may still be used by the IODP data librarian.
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/datarequests SERVER: odpsun.tamu.edu
	7	Dependencies	None.
	8	Developer(s)	Unknown
	9	Copyright	ODP, Texas A&M University © 1999-2003

#			Depth-o-matic
	1	Objective	Add depths to measurements in a data file.
	2	User(s)	Science participants. Laboratory technicians. Data librarian.
	3	Hardware/OS	PowerPC; MacOS 8/9
	4	Programming Language	National Instruments LabVIEW 5.0
	5	Version #	Nov 20, 2001—RETIRED, replaced by JanusWeb 'Add Depths to File'.
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/depthomatic.sit (archived to preserve resource fork of all files in the original directory) SERVER: odpsun.tamu.edu
	7	Dependencies	Properly formatted source input file. Required access to the JanusWeb exe_sql.cgi to perform its database access functions.
	8	Developer(s)	William Mills
	9	Copyright	ODP, Texas A&M University © 1997-2003

		Depths
#		
1	Objective	Calculate sample depths given a lookup table of top-depths for each section. Document the basic depth calculation procedure.
2	User(s)	Science participants adding depths to a file in the VAX days.
3	Hardware/OS	Intel 80x86, PowerPC; Windows NT/2K/XP, Mac OS 8/9/X
4	Programming Language	Microsoft Excel 95
5	Version #	Aug 10, 1994—RETIRED, kept purely for reference.
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/depths SERVER: odpsun.tamu.edu
7	Dependencies	None.
8	Developer(s)	Unknown.
9	Copyright	ODP, Texas A&M University © 1994-2003

#		Document
1	Objective	Houses Framemaker templates for standardized ODP documentation.
2	User(s)	Applications development group.
3	Hardware/OS	not applicable
4	Programming Language	Framemaker 5.0
5	Version #	Feb 19, 1999
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/document SERVER: odpsun.tamu.edu
7	Dependencies	Need FrameMaker. Directory preserves some graphics and templates common to the structure of all the PDF documentation from this time period.
8	Developer(s)	Ruth Stephens, Lori Cagle
9	Copyright	ODP, Texas A&M University © 1998-2003

#		Fossil List	
1	Objective	Database for logging paleontological observations and microphotographs.	
2	User(s)	Paleontology lab, a few community users.	
3	Hardware/OS	Motorola 68000 – 68040; Mac OS 7.x	
4	Programming Language	ACIUS 4th Dimension (relational database and scripting language)	
5	Version #	Nov 20, 2001	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/fossillist.sit SERVER: odpsun.tamu.edu	
7	Dependencies	Requires 4th Dimension run-time to operate.	
8	Developer(s)	Jui-Ling Jui, Weining Chen, Lisa Patton	
9	Copyright	ODP, Texas A&M University © 1993-2003	

#		Generic Editor	
1	Objective	Provide automation for resolving common procedure-related errors in handling science data streams.
2	User(s)	Marine laboratory specialists. Data quality control specialists.
3	Hardware/OS	Intel 80x86; Windows NT/2K/XP
4	Programming Language	Java 1.2
5	Version #	Jul 23, 2001
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/genericeditor SERVER: odpsun.tamu.edu
7	Dependencies	Access to an Oracle database with a Janus data model for GRA, NGR, PWL, MSL datasets.
8	Developer(s)	Chris Goldman
9	Copyright	ODP, Texas A&M University © 2001-2003

#		HitchHiker
1	Objective	Service center incident tracking database. Database for help desk requests.
2	User(s)	Shorebased help-desk personnel.
3	Hardware/OS	Intel 80x86, Motorola 68000 series; Windows NT, Mac OS 7.x
4	Programming Language	FileMaker Pro 4.0
5	Version #	Dec 8, 1998
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/hitchhiker SERVER: odpsun.tamu.edu
7	Dependencies	FileMaker Pro server.
8	Developer(s)	Unknown
9	Copyright	ODP, Texas A&M University © 1990-2003

#		Hardrock Label Printer
1	Objective	Create piece and sub-piece labels for hard-rock cores that may be epoxied in place.
2	User(s)	Curatorial representatives. Marine laboratory specialists.
3	Hardware/OS	Intel 80x86; Windows 3.x
4	Programming Language	Microsoft Visual C 1.52 with APIs from Neuron Data's Client/Server Elements.
5	Version #	Feb 13, 1998
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/hrlabel SERVER: odpsun.tamu.edu
7	Dependencies	16-bit Oracle client v7.x. Neuron Data runtime DLLs. Bartender for generating the tiny, formatted labels.
8	Developer(s)	Gil Munoz, David Fackler
9	Copyright	ODP, Texas A&M University © 1997-2003

#			Java Library
	1	Objective	Common library of ODP java application components.
	2	User(s)	Java application developers.
	3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows NT/2K/XP, Mac OS X
	4	Programming Language	Java 1.4.2
	5	Version #	Sep 5, 2003
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/javalib SERVER: odpsun.tamu.edu
	7	Dependencies	The database connectivity components are constructed around Oracle's JDBC drivers and OCI libraries residing in classes12.zip or ojdbc14.jar.
	8	Developer(s)	Dwight Hornbacher, Vinod Srinivasan
	9	Copyright	ODP, Texas A&M University © 1993-2003

Janus Repository Sampling

#		
1	Objective	Support core repository sampling processes: sample logging, barcode label generation. Enable editing, quality control checks on sample entry.
2	User(s)	Curatorial personnel. Data migration personnel. Data quality control personnel.
3	Hardware/OS	Intel x86; Windows 3.x
4	Programming Language	Microsoft Visual C 1.52; Neuron Data Client/Server Elements API
5	Version #	Nov 6, 1998
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/jrs SERVER: odpsun.tamu.edu
7	Dependencies	Microsoft Visual C 1.52 compiler and build tools. Oracle 7.3.x client libraries. Neuron Data Client/Server Elements runtime libraries. Properly configured and accessible central Oracle database. Installation of BarTender label printer software on search path or in standard location.
8	Developer(s)	Gil Munoz, David Fackler
9	Copyright	ODP, Texas A&M University © 1995-2003

#		Library
1	Objective	Re-usable components for multiple language platforms.
2	User(s)	Java, LabVIEW, C applications developers.
3	Hardware/OS	Sparc, Intel x86, PowerPC; Solaris 2.x, Windows 3.x/NT/2K/XP, Mac OS 8/9/X
4	Programming Language	Java 1.2, Microsoft Visual C 1.52, LabVIEW 4.x/5.x/6.x
5	Version #	Jan 21, 2001
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/library SERVER: odpsun.tamu.edu
7	Dependencies	Respective runtime environments required for Java, LabVIEW. Database connectivity components specifically dependent on proper Oracle client installation. ODBC drivers required for some data access configurations.
8	Developer(s)	Gil Munoz, David Fackler, Wm. Mills
9	Copyright	ODP, Texas A&M University © 1993-2003

#		Line Counter	
1	Objective	Display core barrel depth on the video network. Depth value (meters beneath rig floor) derived from calibration to the wireline spool. Approximate indicator for arrival of cores on deck.	
2	User(s)	Marine Laboratory Specialists.	
3	Hardware/OS	Intel x86; DOS 6.22	
4	Programming Language	ProComm Plus script	
5	Version #	May 4, 1996	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/linecnt SERVER: odpsun.tamu.edu	
7	Dependencies	Outdated serial communications software: Procomm Plus. Special video capture board and settings to provide the depth as an overlay on a selected video network channel.	
8	Developer(s)	Calley Callitz, John McIntyre, David Fackler	
9	Copyright	Transocean © 1985-2003	

#		ODASI Migrate	
1	Objective	Track orders and recurring orders of ODP publications by people and institutions.
2	User(s)	Publications shipment coordinator.
3	Hardware/OS	Intel x86; Windows NT/2K/XP
4	Programming Language	Microsoft Access 97
5	Version #	Jan 7, 1999
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/odasimigrate SERVER: odpsun.tamu.edu
7	Dependencies	None.
8	Developer(s)	Jack Foster, David Fackler, Ann Yeager
9	Copyright	ODP, Texas A&M University © 1999-2003

#		ODASI Web	
1	Objective	Enable lookup of personnel contact information from the S1032 database via a web interface.	
2	User(s)	Publications, Science Services	
3	Hardware/OS	DEC VAX; VMS	
4	Programming Language	FORTRAN and C	
5	Version #	Oct 22, 1996	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/odasiweb SERVER: odpsun.tamu.edu	
7	Dependencies	S1032 database system, ODASI personnel contact information tables. Web-server system.	
8	Developer(s)	Gil Munoz, Jack Foster	
9	Copyright	ODP, Texas A&M University © 1995-2003	

#		ODP Preferences	
1	Objective	Library for storing application configuration preferences.
2	User(s)	Applications development.
3	Hardware/OS	Intel x86, Sparc, PowerPC; Windows NT/2K/XP, Solaris 2.x, Mac OS X
4	Programming Language	Java 1.4
5	Version #	Aug 29, 2003
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/odpprefs CVS: ./appsdev/REPOSITORY/odplib (content merged into newer library structure) SERVER: odpsun.tamu.edu
7	Dependencies	Appropriate version of the Java runtime environment.
8	Developer(s)	Vinod Srinivasan
9	Copyright	ODP, Texas A&M University © 2003

#			Paleo
	1	Objective	Entry/edit of micropaleontology range chart data.
	2	User(s)	Participating paleontologists. Data migration specialists.
	3	Hardware/OS	Intel x86; Windows 3.11
	4	Programming Language	Microsoft Visual C 1.52 with Neuron Data Client/Server & Data Elements APIs.
	5	Version #	Oct 9, 1999; replaced by java-based version of Paleo
	6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/paleo SERVER: odpsun.tamu.edu
	7	Dependencies	Depends on locally installed copy of Oracle 7.3.x client DLLs. Properly installed Oracle central database.
	8	Developer(s)	Dwight Hornbacher, Gil Munoz, David Fackler
	9	Copyright	ODP, Texas A&M University © 1997-2003

		Server Migration	
#			
1	Objective	Documentation of the move from Tru64 Unix to the Sun Solaris 2.8, particularly as it affected the JanusWeb reporting system.	
2	User(s)	Applications development.	
3	Hardware/OS	Sparc; Solaris 2.8	
4	Programming Language	C	
5	Version #	Dec 5, 2000	
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/servermigration SERVER: odpsun.tamu.edu	
7	Dependencies	Server-side Oracle client software. Bash and C shell scripting environments.	
8	Developer(s)	David Fackler, Matt Mefferd	
9	Copyright	ODP, Texas A&M University © 2000-2003	

#		Smear Slide Entry/Edit
1	Objective	Entry/edit of smear slide component data into the central database.
2	User(s)	Participating sedimentologists. Data migration specialists.
3	Hardware/OS	Intel x86; Windows 3.11
4	Programming Language	Microsoft Visual C 1.52 using Neuron Data Client/Server & Data Elements APIs
5	Version #	Oct 26, 1998
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/sliders SERVER: odpsun.tamu.edu
7	Dependencies	Depends on installation of Oracle 7.3.x client software, Neuron Data runtime libraries, and a properly functioning Oracle database.
8	Developer(s)	Gil Munoz, David Fackler
9	Copyright	ODP, Texas A&M University © 1998-2003

#			Splice Uploader
1	Objective		Upload analytical results from the stratigraphic correlation software into the central database.
2	User(s)		Stratigraphic correlator. Data migration specialists.
3	Hardware/OS		Sparc; Solaris 2.x
4	Programming Language		Java 1.3
5	Version #		Leg 205; Jan 28, 2002
6	Deliverables		TAPE: ./appsdev/APPSDEV/develop/ATTIC/spliceuploader SERVER: odpsun.tamu.edu
7	Dependencies		Relies on properly formatted input files; and a properly configured and operating central database.
8	Developer(s)		Yunyou Yao
9	Copyright		ODP, Texas A&M University © 2001-2003

#		Sedimentary Thin-Section Program
1	Objective	Entry/edit of sedimentary thin-section component data into a central database.
2	User(s)	Participating sedimentologists. Data migration personnel.
3	Hardware/OS	Intel x86; Windows 3.x
4	Programming Language	Microsoft Visual C 1.52 using Neuron Data Client/Server & Data Elements APIs.
5	Version #	Leg 181; Jul 30, 1998
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/stp SERVER: odpsun.tamu.edu
7	Dependencies	Relies on installation of Oracle client 7.3.x; Neuron Data runtime environment DLLs and libraries; properly functioning central database.
8	Developer(s)	Gil Munoz, David Fackler
9	Copyright	ODP, Texas A&M University © 1997-2003

#		Z Plot
1	Objective	Extract data from the central database for browsing via the 3rd party Z-plot graphing/analysis application.
2	User(s)	Paleomagnetics lab participants and technicians.
3	Hardware/OS	Intel x86; Windows NT/2K
4	Programming Language	LabVIEW 4.1
5	Version #	May 25, 1999
6	Deliverables	TAPE: ./appsdev/APPSDEV/develop/ATTIC/zplot SERVER: odpsun.tamu.edu
7	Dependencies	Relies on the 32-bit Oracle client DLLs via ODBC. Relies on installation of LabVIEW-to-ODBC (SQL Toolkit) DLLs.
8	Developer(s)	Dwight Hornbacher
9	Copyright	ODP, Texas A&M University © 1999-2003