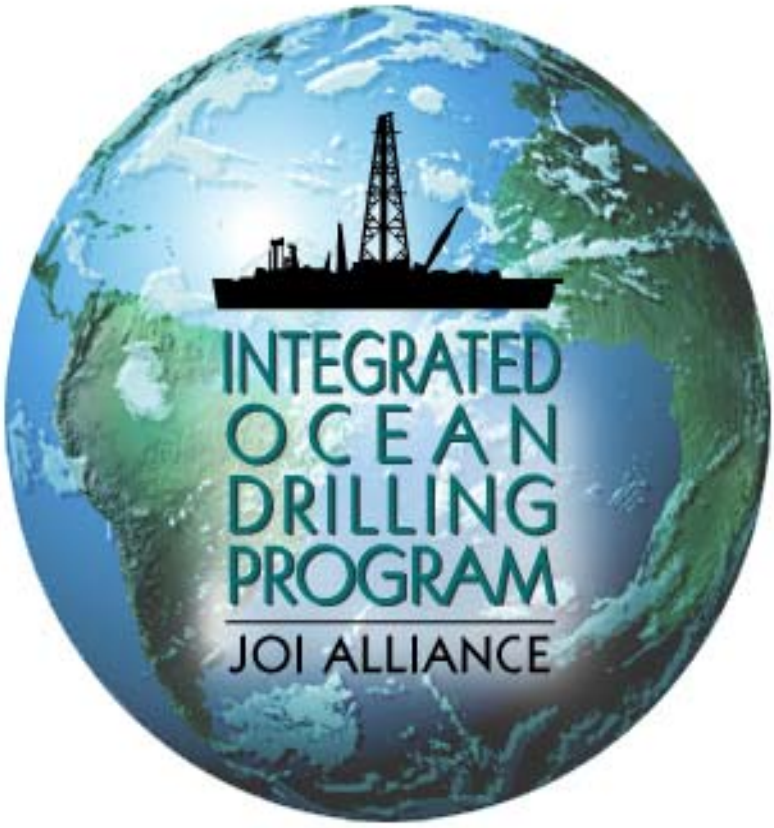
13 May 2005



1 January–31 March 2005

FY05 Quarterly Report 2

Contract No. NSF OCE-0352500

Submitted by the JOI Alliance to

The National Science Foundation

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INTRODUCTION

The organization of this quarterly report reflects activities and deliverables that are outlined in the Integrated Ocean Drilling Program U.S. Implementing Organization (IODP-USIO) Program Plan as implemented by the JOI Alliance during the second quarter of FY05.

PHASE 1 EXPEDITION OPERATIONS

IODP-USIO EXPEDITION SCHEDULE

The following IODP-USIO operational schedule was issued on 7 January 2005.

Cruise		Port (Origin)	Dates[2, 3]	Total Days (Port/Sea)	Days at Sea (Transit[4]/Ops[5])	Co-Chief Scientists	Alliance Contact(s)
Oceanic Core Complex 1	304	Ponta Delgada	17 November 2004–8 January 2005	52 (5/47)	7/40	D. Blackman B. John	TAMU: J. Miller LDEO: F. Einaudi
Oceanic Core Complex 2	305	Ponta Delgada	8 January–2 March	53 (5/48)	7/41	B. Ildefonse Y. Ohara	TAMU: J. Miller LDEO: H. Delius
North Atlantic Climate 2	306	Ponta Delgada	2 March–26 April	55 (5/50)	5/45	T. Kanamatsu R. Stein	TAMU: C. Alvarez Zarikian LDEO: S. Higgins
Porcupine Carbonate Mounds	307	Dublin	26 April–31 May[6]	35 (6/29)	19/10	T. Ferdelmen A. Kano	TAMU: M. Malone LDEO: T. Williams
Gulf of Mexico Hydrogeology	308	Mobile	31 May – 6 July	36 (5/31)	11/20	P. Flemings, J. Behrmann	TAMU: C. John LDEO: G. Iturrino
Superfast Spreading 1	309	Balboa	6 July–24 August	49 (5/44)	6/38	D. Teagle S. Umino	TAMU: N. Banerjee LDEO: F. Einaudi
Cascadia	311	Balboa	24 August–7 October[7]	44 (5/39)	17/22	M. Riedel T. Collett	TAMU: M. Malone LDEO: G. Guerin
Monterey	312	Victoria	7 October–24 November[8]	49 (6/43)	15/28	C. Paul E. Arakai	TAMU: Adam Klaus LDEO: G. Myers
Superfast Spreading 2	313	Balboa	24 November 2005–8 January 2006[9]	44 (5/39)	17/22	J. Alt S. Mityashita	TBN
Demobilization		Galveston	8–31 January 2006	23 (23/0)	0/0	NA	TAMU: M. Storms LDEO: G. Myers

Notes:

1 Schedule reflects an approved science program, but final endorsement by lead agencies is pending.

2 Ship is scheduled to arrive 0600 hr on first day of port call.

3 Initial cruise date reflects first day of port call; ship sails when ready.

4 Transit = Estimated time to/from port to the operating area.

5 Ops = Operations (includes both on-site and between-site time).

6 Scientists scheduled to disembark vessel in Ponta Delgada on 16 May 2005.

7 Scientists scheduled to embark vessel in Astoria on 10 September 2005.

8 Scientists scheduled to disembark vessel in San Diego on 14 November 2005.

9 Scientists scheduled to disembark vessel in Balboa on 27 December 2005

EXPEDITION PLANNING AND IMPLEMENTATION ACTIVITIES

IODP-USIO EXPEDITIONS 303 AND 306: NORTH ATLANTIC CLIMATE 1 AND NORTH ATLANTIC CLIMATE 2

Expedition Implementation: Planning for Expedition 306 continued with operational strategies and priorities being refined based on results from Expedition 303. Additional alternate sites were finalized for the Labrador Sea component to maximize the completeness of the stratigraphic record recovered.

Expedition 306 began in Ponta Delgada, Portugal, on 2 March 2005 and is scheduled to end in Dublin, Ireland, on 26 April 2005. The first 3 weeks of the expedition suffered lengthy delays due to bad weather that precluded safe operations; however, by the end of the reporting period, conditions had improved and hopes were high that the expedition would successfully achieve its goals.

Expedition Staffing: Expedition 306: Expedition Project Manager/Staff Scientist: C.A. Zarikian; Co-Chief Scientists: R. Stein, T. Kanamatsu; Logging Staff Scientist: S. Higgins. Scientific staffing for the expedition included the following IODP membership breakdown: seven participants each from the U.S. Science Support Program (USSSP) and Japan Drilling Earth Science Consortium (J-DESC), eight European Consortium for Ocean Research Drilling (ECORD) participants, and one IODP-China participant. A weather observer from the Danish Meteorological Institute participated in the expedition to assist in forecasting and to advise on approaching inclement weather conditions.

Technology: The magnetic susceptibility core logger (MSCL, also known as the "Fast Track"), which was developed last year specifically for supporting stratigraphic correlation during Expeditions 303 and 306, was redeployed.

IODP-USIO EXPEDITIONS 304 AND 305: OCEANIC CORE COMPLEX 1 AND OCEANIC CORE COMPLEX 2

Expedition Implementation: Expedition 304 was initiated during the first quarter of FY05, with only the last week of operations occurring during the second quarter. Operations during this final week included successful logging of Hole U1309D with the triple combination (triple combo) and Formation MicroScanner (FMS) tools. The ultrasonic borehole imager (UBI) tool was not attempted since the second FMS pass ended with fallen rock briefly trapping the tool in the hole. The tool was extracted with no significant damage. The remaining operational time was spent on a final attempt to recover basement from the exposed detachment and the transit to Ponta Delgada, Portugal.

Expedition 305 began on 8 January 2005 when the vessel arrived in Ponta Delgada. There were three pacing items for this port call: an American Bureau of Shipping (ABS) Annual and Statutory Survey, an overhaul of the drawworks transmission and the replacement of the Active Heave Compensator (AHC) hydraulic hose bundle (not completed because of a faulty return hose). On 12 January 2005, the vessel began the journey to Hole U1309D. Expedition 305 returned to Hole U1309 on the Atlantis Massif to continue deepening the hole initiated during the previous expedition. The hole was deepened from 401 to 1415 mbsf. Downhole logging was completed in multiple runs with the triple combo tool, the three-component well seismic tool (WST-3), the UBI, and the third-party Goettingen Magnetometer. For the logging run in the

lowermost section, the triple combo and FMS tools were successfully deployed. Unfortunately, the sonic tool failed during these final stage operations and later, after increasing heave, the checkshot survey had to be abandoned. During the intermediate logging operation, a wireline heave compensator test with the Schlumberger unit was accomplished. This will help to fine-tune the new wireline heave compensation system.

Expedition Staffing: Expeditions 304 and 305 are an integrated scientific program. Expedition 304: Expedition Project Manager/Staff Scientist: D.J. Miller; Co-Chief Scientists: D. Blackman, B. John; Logging Staff Scientist: F. Einaudi.

Expedition 305: Expedition Project Manager/Staff Scientist: D.J. Miller; Co-Chief Scientists: B. Ildefonse, Y. Ohara; Logging Staff Scientist: H. Delius.

POST–IODP-USIO EXPEDITION 306 ACTIVITIES

Expedition Planning: During the reporting period, significant effort was devoted planning and implementation of Expeditions 307–309 and 311–313, which are part of the extension of IODP Phase 1. Precruise planning meetings were held for Expeditions 307–312. Operational strategies were developed for each of these expeditions and, where necessary, orders for long-lead items were placed. Clearance issues were pursued for Expeditions 307 and 309. Permitting issues were pursued for Expedition 312.

Expedition Staffing: Staffing commenced for Expeditions 307 and 308 as follows. Expedition 307: Staff Scientist: T. Williams; Co-Chief Scientists: T. Ferdelmen, A. Kano; Logging Staff Scientist: P. Gaillot. J.-P. Henriet originally was invited and accepted as Co-Chief Scientist but had to withdraw for medical reasons. Ferdelmen, who also had attended the precruise meeting and was a high-ranking ECORD nominee for the science party, agreed to sail as Co-Chief Scientist. Scientific staffing for the expedition included the following IODP membership breakdown: eight USSSP, seven J-DESC, and nine ECORD participants, and one IODP-China participant. This balance represents an IODP-MI–sanctioned trade of berths between ECORD and Japan.

Expedition 308: Staff Scientist: C. John; Co-Chief Scientists: P. Flemings, J. Behrmann; Logging Staff Scientist: G. Iturrino. Staffing for Expedition 308 commenced at the end of the quarter.

Technology: Monterey Bay Aquarium Research Institute (MBARI) and IODP-USIO Science Services, Texas A&M University (TAMU), have collaborated on the design for the completions at proposed Sites MBTS-03A and MBTS-05A. The design features a low profile “trawl proof” structure less than 1 m high, which contrasts with the typical 6- to 8-m-high CORK wellhead. The completion at Site MBTS-05A will have 16 inch casing cemented in place in preparation for a future seismometer installation. The completion at Site MBTS-03A will have 10-3/4 inch casing suspended from a special low profile wellhead/casing hanger. The 10-3/4 inch casing string will consist of joints of perforated screened casing and a hydraulic umbilical strapped on its outer diameter. The first of two design reviews will take place in early April 2005.

INSURANCE RELATED TO JOI SUBCONTRACTS

Joint Oceanographic Institutions, Inc. (JOI), Modification 7 was signed on 31 March 2005 to reflect the following additional required insurance:

Hull and Machinery insurance on the drillship in an amount not less than the appraised value of the drillship as evidenced by the most recent appraisal ($250,000 deductible per occurrence) and Removal of Wreck insurance on the drillship: $50 million ($250,000 deductible per occurrence).

The Removal of Wreck deductible amount was corrected to read $250,000 in lieu of $25,000.

TECHNOLOGY DEVELOPMENT

PROJECTS AND OTHER ACTIVITIES

IODP-USIO SCIENCE SERVICES, TAMU, ENGINEERING SERVICES

Drilling Sensor Sub (DSS): The acceptance test of both DSS tools was being scheduled with Schlumberger for the third quarter. Discussions were under way to include testing of the core barrel retrievable memory module from IODP-USIO Science Services, Lamont-Doherty Earth Observatory (LDEO), with the DSS.

Instrumented Water Sampler (IWS): New data logger electronics were fabricated.

Temperature Dual Pressure (T2P) Tool—Support for Third-Party Tool: The T2P tool is being developed by Penn State and Massachusetts Institute of Technology (MIT) for use during Expedition 308. IODP-USIO Science Services, TAMU, is providing the interface between the probe unit and the Davis-Villinger Temperature Probe (DVTP) electronics pressure housing. The T2P tool will also be using the new data logger designed for the IWS.

IODP-USIO SCIENCE SERVICES, TAMU, ANALYTICAL SERVICES

Maintenance: The Smear Slide application was repaired to resolve problems that prevented some scientists from using it.

Shore-Based Instrument Facilities: The previous Ocean Drilling Program (ODP) shipboard X-ray fluorescence (XRF) system was set up in the shore laboratory for evaluation.

Laboratory Information Management System (LIMS): The functional LIMS Viewer and LIMS Editor applications were prepared and deployed.

XYZ Core Logger: Design work began on the Phase 2 XYZ core logger and related infrastructure.

Automated Vane Shear: Work began on implementing a replacement vane shear device (shipped to Expedition 307 to be operational, but not fully integrated, on Expedition 308, per a Co-Chief Scientist request).

IODP-USIO SCIENCE SERVICES, LDEO, ENGINEERING AND TECHNICAL SERVICES

Modular High-Temperature Device: The modification and enhancement of the aging Temperature Acceleration and Pressure (TAP) tool began during the reporting period. The modified TAP tool will be renamed the Modular Temperature Tool (MTT). Enhancements to this borehole fluid temperature logging tool will include an increased temperature rating (by over 200%). The MTT will be rated for 250°C. It will also be modified to be shorter and configured to run at either the bottom of the tool string or in-line with other tools (if necessary). The user

interface will be completely redesigned for easier use. The first deployment of the MTT has been targeted for Expedition 312.

Wireline Heave Compensator: The new wireline heave compensator was tuned during each logging event during the reporting period. Substantial gains have been made with improving the system's heave correction algorithm. Numerous experiments were conducted during Expedition 306 when no other rig floor activities could occur because of weather. These experiments led to improvements that now have the new unit operating as an acceptable and reliable heave compensation system. Further fine-tuning is required to refine the heave compensation algorithm and compare the results of the new system to the old heave compensation systems.

New Equipment Acquisition: A class B–sized mobile logging unit donated to IODP-USIO Science Services, LDEO, was placed in service during the reporting period. The donated unit replaces a unit donated in the mid-1980s.

Borehole Research Group (BRG) Facilities: The testing facility and instrument laboratory at IODP-USIO Science Services, LDEO, was completed. The architectural design and planning phase for BRG building renovation was initiated. Both of these projects involve institutional cost-share funds.

INFORMATION TECHNOLOGY

SHIP-TO-SHORE COMMUNICATION STRATEGY

The IODP-USIO Ship/Shore Communication Policy was updated on 24 January 2005. Modifications included addition of business e-mail accounts for all Transocean shipboard employees, including subcontractors. The number of workstations having access to the Internet was increased from 14 to 18.

INVENTORY MANAGEMENT SYSTEM

The asset management project is moving ahead well. Five vendors responded to the request for proposals (RFP) issued by IODP-USIO Science Services, TAMU. Two proposals were dropped in early March 2005—one because of technical weakness, and the other because of cost (more than $700,000). The remaining three vendors were invited for a site visit on separate days. They visited College Station from 21 to 31 March 2005. All site visits were useful to the organization and the vendors. Since these visits, an additional vendor has been dropped. This vendor had good programmers but did not demonstrate enough supply chain expertise. At the end of the quarter, IODP-USIO Science Services, TAMU, continued to evaluate the remaining vendors. Because of funding shortages caused by the high cost of marine fuel, this project may have to be postponed.

VIDEOCONFERENCING SYSTEM

Videoconferencing equipment was received from the vendor (InSORs) and configured at IODP-USIO Science Services, TAMU. The Information Technology and Data Services Department installed and began testing of the shore-based unit and shipped the other units to IODP-USIO Science Service, LDEO, and JOI for installation and testing in the third quarter of FY05. Plans were also developed and equipment was shipped in preparation of installation of a fourth unit on the *JOIDES Resolution* during the Expedition 308 port call. Staff at all IODP-USIO institutions

worked on development of an implementation plan for utilizing the technology for business as well as education/outreach purposes.

REPORTS/PUBLICATIONS

IODP-USIO Program Plan for IODP-MI and NSF

On 27 January 2005, the JOI Alliance submitted a revised FY05 Program Plan Addendum to IODP-MI and the National Science Foundation (NSF) for continued IODP-USIO Phase 1 operations. The extension of Phase 1 consists of four expeditions that constitute three complete science programs. The IODP-USIO Program Plan Addendum budget totaled $19,996,626.

IODP-USIO FY04 Annual Report

The JOI Alliance produced the USIO FY04 Annual Report and delivered the document to NSF on 3 February 2005. An internal review of the production process was conducted in early February 2005, and the USIO looked forward to receiving feedback from NSF on the report.

IODP-USIO FY05 IODP Quarterly Report

The report for the first quarter of FY05 (October–December 2004) was submitted to NSF on 15 February 2005.

IODP Scientific Publications

Scientific Prospectus

Expeditions 303 and 306 Addendum: Published on 17 February 2005 (see "Appendix H").

Expedition 307 (Modern Carbonate Mounds: Porcupine Drilling): Published on 1 March 2005 (see "Appendix H").

Preliminary Report

Expedition 303 (North Atlantic Climate 1): Published on 31 January 2005 (see "Appendix H").

IODP Legacy Reports

In March, the F. Rack (JOI Director) brought to the attention of senior staff members from IODP-MI's Sapporo office the need for consideration of legacy requirements, as suggested by the sixth ODP Performance Evaluation Committee (PEC VI) report.

EDUCATION/OUTREACH

Education

In addition to completing the FY05–FY06 IODP-USIO and USSSP education project plan, considerable effort was invested this quarter to broadening existing ties and developing new ties with other U.S. education and outreach groups related to earth and marine science.

MUSEUM AND EDUCATION PARTNERSHIPS AND PROGRAMS

This quarter's education activities focused around two principle themes: (1) museum partnerships and education programs and (2) outreach and networking through working groups and meetings.

In January 2005, L. Peart (Education Coordinator at JOI) agreed to serve as an advisor for the Science Museum of Minnesota's proposed Water Planet project; continued coordination work with the Smithsonian National Museum of Natural History's Ocean Hall exhibit development team to laying groundwork for comprehensive exhibit text, video, and a display including ocean drilling cores and program history; and represented the IODP-USIO at the Smithsonian's Ocean Hall Education and Outreach Summit.

In February 2003, Peart and F. Rack participated in the 4th Japan/U.S. Public Understanding of Research Delegation Meeting on 20 and 21 February 2005. Japanese and U.S. delegates proposed a variety of partnership activities to promote a broader public understanding of research through real-time and authentic experiences. JOI was invited to provide a speaker at the National Science Teachers Association's summer congress to be held at the Science Museum of Minnesota in August 2005.

In March 2005, Peart participated in the first annual meeting of the CHRONOS education and outreach working group aimed at development of a dynamic, interactive, and time-calibrated network of databases (including databases from the Deep Sea Drilling Project [DSDP], ODP, and IODP) and visualization and analytical methodologies for sedimentary geology and paleobiology that are useful for education audiences and museum exhibits. JOI staff members supported the JOI/IODP booth at the national National Science Teachers Association (NSTA) conference in Dallas, Texas, which began on 31 March 2005. JOI also became a partner in Building a Presence for Science, which is a network sponsored by the National Science Teachers' Association and NSF that promotes professional development and science education tools to 43,000 kindergarten through 12th-grade campuses in 26 states. JOI Alliance staff members worked on development of plans to possibly pilot collaborative education activities with U.S. marine science education groups in association with the Expedition 308 port call and Expedition 312.

TEACHER AT SEA PROGRAM

J. Rice, Expedition 301 Teacher at Sea, attended the expedition postcruise meeting 2–4 March 2005 in College Station, Texas. Activities included collaborating with Expedition 301 participants, participating in an assessment with IODP-USIO staff of the Expedition 301 pilot program, touring the IODP-USIO Science Services, TAMU, laboratory and repository facility, and working with scientific staff on completion of the Laboratory Brief series.

Plans were developed during the quarter for the implementation of the Teacher at Sea Program for the remainder of Phase 1. The major challenge of planning this program is identifying specific expeditions with available berths for teachers.

LABORATORY BRIEFS

Chemistry and microbiology laboratory briefs were formatted in PDF and HTML for publication on the IODP-USIO Web site. Final formatting of the physical properties and paleomagnetism laboratory briefs began. Rice worked on completing the remaining briefs (core, downhole

measurements, paleontology, underway geophysics laboratories).

HISTORICALLY BLACK COLLEGES AND UNIVERSITIES FELLOWSHIP

Efforts to recruit applicants for the Historically Black Colleges and Universities (HBCU) Fellowship continued during the second quarter of FY05. Because of difficulties in making connections with the HBCUs originally identified as targets (Howard University, University of the District of Columbia, and Prairie View A&M University), the IODP-USIO institutions expanded recruiting activities to other schools that are not quite as near to the JOI Alliance partners, but still within relative proximity. A contact that holds significant promise of yielding applications is Texas Southern University, a partner in the Houston-Louis Stokes Alliance for Minority Participation program.

The JOI Alliance has had significant discussions about the fellowship program, the recruiting strategy, and the challenges of attracting interest and recruiting applicants. The goal of these discussions is to determine if the fellowship is the best vehicle to encourage and support diversity participation in the ocean sciences and, if not, to determine what other vehicles might be more attractive, and therefore successful, in encouraging minority student participation.

MINORITIES STRIVING AND PURSUING HIGHER DEGREES OF SUCCESS IN EARTH SYSTEM SCIENCE INITIATIVE

The IODP-USIO is providing partial support for a diversity partnership with the Minorities Striving and Pursuing Higher Degrees of Success (MS PHD'S) in Earth System Science Initiative. The initiative, based at the University of South Florida, provides minority undergraduate and graduate students with opportunities for increased exposure to, interaction with, and participation in the Earth system science community. In its first partnership activity, JOI will take five minority students from U.S. universities to observe the May 2005 Science Steering and Evaluation Panels (SSEPs) Meeting in Shanghai, China. Second-quarter activity included liaising with IODP-MI, the Science Advisory Structure (SAS) panels, and the Chinese hosts to prepare the activity schedule.

PUBLIC AFFAIRS

PUBLIC RELATIONS MATERIALS

News articles and programs on IODP riserless drilling published during this quarter include

- Activities of subseafloor life more diverse than expected. *Sea Technol.,* February 2005, 81.
- IODP obtains critical data on North Atlantic climate change," *Sea Technol.,* 46(1):69.
- Asbrand, D., 2005. What lies beneath. *MIT Technol. Rev.*, 04 January.
- Brewer, T., Endo, T., Kamata, M., Fox, P.J., Goldberg, D., Myers, G., Kawamura, Y., Kuramoto, S., Kittredge, S., Mrozewski, S., and Rack, F.R., 2004. Scientific deep-ocean drilling: revealing the Earth's secrets. *Oilfield Rev.,* 16(2):24–37.
- Kerr, R., 2005. Pursued for 40 years, the Moho evades ocean drillers once again. *Science,* 307:1707.
- Mahoney, J.J., et al., 2005. A Jurassic-Cretaceous boundary age and mid-ocean-ridge type mantle source for Shatsky Rise. *Geology,* 33:185.
- White, K., 2005. Scientific ocean drilling: new opportunities and findings. *Sea Technol.,* 46(1):13.

IODP-USIO Brochure
Efforts began to develop a second edition of the IODP-USIO Phase 1 brochure to highlight the extended expedition schedule. The brochure, designed for nonscientists and will be produced in the third quarter of FY05.

Port Call Outreach
The IODP-USIO worked with the IODP-MI office, ECORD staff, and the Geological Society of Ireland to plan outreach activities for the port call occurring in Dublin at the end of May 2005. Plans include tours for local scientists, a scientific talk and reception, and a press conference where Ireland's membership in ECORD will be announced.

Images
The IODP-USIO has worked to obtain more high-resolution images for use in program publications and by the media. During recent expeditions, the Imaging Specialists have taken many photographs that will provide a fresh look for IODP.

IODP-USIO Web Site
Search Feature
The IODP-USIO Webmasters are in the process of implementing a three-server search engine that will facilitate searching across the entire IODP-USIO Web site.

IODP Databases
On-line Log Database: Data from Expeditions 301, 301, and 304 are available online. The online presentation mimics the ODP presentation in the general format, with some changes in the documentation templates such as the inclusion of summary tables and active links. The online data include standard data (nonimage), high-resolution data (nonimage), image data, sonic waveform data, temperature data, and related documentation.

Processed Logs: Log data have been processed and put online (with accompanying documentation) for the following holes:

- Hole U1301B: Expedition 301 FMS image data.
- Hole U1309D: Expedition 304 standard (nonimage), FMS image, and sonic waveform data.
- Hole U1309D: Expedition 305 standard (non-image) and FMS and UBI image data.

IODP-USIO SUPPORT ACTIVITIES

Interactions with IODP-MI and IODP Implementing Organizations
IODP-MI Data Management Site Visit
B. Miville (Data Management Specialist) and M. Soeding (Publication, Sample and Data Integration Manager) of the IODP-MI Sapporo office visited IODP-USIO Science Services, TAMU, for an in-depth review of the IODP-USIO database and associated data management activities on 5–7 January 2005 and a review of ODP publication procedures and IODP policy and publication planning activities on 8 January 2005. During the data management presentations, the following topics were covered: overview of IODP-USIO operations and responsibilities; IODP-MI's vision for data management; IODP-USIO data management overview; curation and core repositories overview; tour of Gulf Coast Repository and IODP-

USIO Science Services, TAMU, facility; ERwin (a set of Oracle database tools), data model, schema, database, instances; beginning of leg/end of leg, database changes, database maintenance, servers, storage; data synchronization, data verification, metadata, data archiving, and data requests; photography and imaging activities on ship and on shore, whole-core photograph scanning; data migration; application support and development; and the Janus warehouse.

IODP-MI Data Management Coordination Group Meeting

P. Blum (Supervisor of Analytical Services), J. Beck (Senior Imaging Specialist), and R. Mithal (Supervisor of Databases and Archives), all of IODP-USIO Science Services, TAMU, participated in an IODP Data Management Coordination Group Meeting 2–5 February in Kochi, Japan. Meeting participants included H.C. Larsen (Vice President of Science Planning for IODP-MI), M. Soeding, and B. Miville, all of IODP-MI's Sapporo office, and S. Kuramoto (Science Services and Information Services Manager) and K. Fujine (Curator) at Japan's Center for Deep Earth Exploration (CDEX). Attendees created a joint implementing organization (IO) report on core imaging in response a June 2004 Science Measurements Panel (SciMP) request and began work on a metadata set for accessing IODP data through a future portal. In addition, IO delegates answered IODP-MI's questions in regard to the IO vision statements for a future IODP Information Service Center.

IO Meeting

F. Rack, D. Goldberg (Director of IODP-USIO Science Services, LDEO), and J. Baldauf (Deputy Director of Science Services) and A. Klaus (Deputy Director of Data Services) both of IODP-USIO Science Services, TAMU, attended an IO meeting on 11 March 2005 in Lisbon, Portugal. The following issues common to two or more IOs were discussed: IODP Review Committee (REVCOM) meetings, cruise reports, IO interaction with proponents, Publication Task Force update, IO staff exchanges, development of FY06 Program Plans, development of IO working groups and "roadmaps," communication between IOs, and strategy and schedules for future IO meetings.

IODP-MI/IO Meeting

F. Rack, D. Goldberg, J. Baldauf, and Ann Klaus attended the IODP-MI/IO meeting on 12 March 2005 in Lisbon, Portugal. Past action items were reviewed, and the following subjects were discussed: REVCOM meetings, Co-Chief Scientist responsibilities, development of IODP third-party tool guidelines, staffing issues, engineering development priorities, FY06 Program Plans, expectations for IO input/assistance to proposal proponents, geographic core distribution, IO working groups, and schedules for future meetings.

IODP-MI/IO Publications Task Force Staff Meeting

Ann Klaus met with ECORD Science Operator (ESO) staff members D. Evans (Science Manager) and D. McInroy (Staff Scientist) on 10 March 2005 in Lisbon, Portugal, to review ODP publication procedures and discuss production process for the ESO Scientific Prospectuses and Preliminary Reports. During the meeting, ESO requested that the IODP-USIO produce Preliminary Reports for the mission-specific platform (MSP) expeditions in addition to the Expedition Reports portion of the *Proceedings of the Integrated Ocean Drilling Program* for Phase 1.

On 13 March 2005, Ann Klaus attended a meeting with IODP-MI and IO publications representatives (S. Kuramoto of CDEX, H.C. Larsen of IODP-MI, and D. Evans and D. McInroy of ESO) to discuss issues related to IODP publications. During this meeting, the group provided feedback on the IODP-USIO–generated prototypes of the PDF layout for the *Proceedings of the Integrated Ocean Drilling Program* manuscripts and DVD packaging.

IODP Operations Task Force Meeting

Discussions at the 13 March 2005 meeting of the IODP Operations Task Force (formerly Operations Committee [OPCOM]) focused on the integration of expedition scheduling and planning into the Program Plan process. A preliminary schedule and milestones were developed for expeditions to be completed during the initial operations of IODP Phase 2. In addition, discussion focused on the status of several Ancillary Project Letters (APLs) and consideration of these proposed programs being integrated into the existing schedule. Furthermore, contingency plans were discussed for currently scheduled expeditions, specifically Expedition 308 (Gulf of Mexico Hydrogeology), Expedition 312 (Monterey Borehole Observatories) and Expeditions 309 and 313 (Superfast Spreading Crust 1 and 2). All three issues were forwarded to SPC for further discussion.

IODP Publications

Review of IODP Sample, Data, and Obligations Policy: On 11 March 2005, A. Klaus (Deputy Director of Data Services at IODP-USIO Science Services, TAMU), attended a meeting with IODP-MI and IO representatives (S. Kuramoto of CDEX, T. Janecek [Vice President of Operations for IODP-MI], and D. Evans and D. McInroy of ESO) to discuss the status of the planned revision of the interim policy that was begun in October 2004. Comments were passed to IODP-MI for inclusion in the next policy revision.

Expedition 301 (Juan de Fuca Hydrogeology) The first postcruise meeting for Expedition 301 was 1–3 March 2005 at IODP-USIO Science Services, TAMU.

Expedition 302 (Artic Coring) Preliminary Report: The Publication Services Department at IODP-USIO Science Services, TAMU, completed editing and production of the Expedition 302 Preliminary Report in March 2005 and made the files (PDF and HTML) available for posting on the ESO Web site.

Expedition 310 (Tahiti Sea Level) Scientific Prospectus: The Publication Services Department at IODP-USIO Science Services, TAMU, provided preliminary editorial review comments in January 2005 to IODP-MI and ESO on the Expedition 310 Scientific Prospectus.

IODP-MI Education and Outreach Task Force

The IODP-MI Education and Outreach Task Force has been working to develop a media policy for IODP that outlines procedures used for contacts with the media. After an initial round of reviews, the policy language is being updated. JOI and IODP-MI staff members have been interviewing media trainers who will provide training for all the IOs.

APPENDIX A: CONTRACTUAL ACTIVITIES

JOI

JOI CONTRACT WITH NSF OCE-0352500

JOI received the following modifications during the report period:

- Modification 10: provided $10,000,000 of funding toward the FY05 Program Plan activities through 30 June 30 2005.

JOI SUBCONTRACT WITH TAMRF JSC 4-02

JOI issued the following modifications during the report period:

- Modification 7: provided $7,200,000 in funding for platform operating cost (POC) operations and $2,500,000 for science operating cost (SOC) operations through 20 June 2005.

JOI SUBCONTRACT WITH LDEO JSC 4-03

JOI issued the following modification during the report period:

- Modification 5: provided $240,000 funding for POC operations and $560,000 for SOC operations.

OTHER ACTIVITY

At the end of this reporting period JOI and IODP-MI were awaiting NSF approval of a SOC subcontract, which will then result in JOI establishing two separate estimated costs with IODP-USIO Science Services, TAMU/Texas A&M Research Foundation (TAMRF) and LDEO, for IODP SOC and POC efforts.

LDEO

LDEO SUBCONTRACT NEGOTIATIONS

On 5 February 2005, IODP-USIO Science Services, LDEO, received its most recent funding modification. Work began on creating the IODP-USIO Science Services, LDEO, subcontract with JOI for the Major Research Equipment And Facilities Construction (MREFC) project. The subcontract should be in place by the end of this fiscal year.

TAMRF/TAMU

TAMRF SUBCONTRACT WITH ODL

- 28 January 2005: Amendment 3, to increase the total estimated cost, provide incremental funding, and extend the period of performance.
- 7 February 2005: Amendment 4, to provide incremental funding.

CONTRACTS/PROCUREMENT ACTIVITY ($100,000 OR GREATER)

TAMRF forwarded the following requests for approval to JOI:

- 11 February 2005: for VSAT service and lease for the *JOIDES Resolution*.
- 25 February 2005: for 9-7/8 inch coring drill bits.

The following purchase orders were issued:

- Rignet Inc. for $187,600 for the service lease of the VSAT communication system.

- Dril-Quip Inc. for $210,675 for casing pups, 20 inch and 16 inch casing hangers, and a center landing ring extension.
- Rockbit International for $174,350 for 9-7/8 inch coring drill bits.

OTHER CONTRACTS/PROCUREMENT ACTIVITY

TAMRF continued working on tasks associated with securing a drillship for IODP Phase 2 operations.

PROPERTY ACTIVITY

On 5 January 2005, a loan agreement with Fugro for advanced piston corer temperature tool hardware was issued.

APPENDIX B: FINANCE REPORT

Please contact info@joiscience.org for hard copies of the financial pages.

APPENDIX C: PERSONNEL STATUS

JOI

B. Chisholm, the Director of Meetings and Travel, resigned effective 28 March 2005.

Position titles were reclassified on 7 February 2005 for the following personnel:

- J. Anziano: from Technical Program Associate to Communications Program Associate
- S. Boa: from USSSP Senior Program Associate to JOI Communications and Development Director
- M. Cortes: from IODP-USIO Senior Program Associate to USSSP Senior Program Associate
- M. Niemitz: from IODP-USIO Program Assistant to Education/IODP-USIO Program Associate
- L. Peart: from Education Coordinator to Education Director
- K. White: from JOI Public Affairs Director to IODP-USIO Senior Program Associate

LDEO

The following positions were filled during the quarter:

- Principal Scientist (A. Malinverno): 1 February 2005
- Logging Staff Scientist (Marc Reichow): 1 March 2005

TAMU

Brian Jonasson, the Manager of the Tools and Analytical Services Department, died on 18 January 2005.

The following positions were advertised during the quarter:

- Supervisor of Project Accounting
- Manager of Tools and Analytical Services Department
- Assistant Editor
- Publications Specialist

The following positions were filled or canceled during the quarter:

- West Coast Repository Superintendent (S. Prinz): 3 January 2005
- Senior Systems Support Specialist (M. Petersen): 3 January 3 2005
- Research Specialist (C. Bennight): 21 February 2005
- Research Specialist (M. Hastedt): 21 February 2005
- Marine Lab Specialist (L. Brandt): 27 February 2005
- Report Coordinator (G. Lowe): 1 March 2005
- Research Specialist (T. Cobine): 7 March 2005
- Administrative Assistant (M. Atkins): 16 March 2005
- Operations Superintendent: Canceled

APPENDIX D: CONFERENCE AND MEETING SCHEDULE*

Conference/Meeting	Date	Location
Scientific Measurements Panel (SciMP)	8–10 February 2005	Kona, HI
Site Survey Panel (SSP)	21–23 February 2005	Durham, United Kingdom
Industry Liaison Panel (ILP)	25–27 February 2005	Shanghai, China
Science Planning Committee (SPC)	14–17 March 2005	Lisbon, Portugal

* External meetings and conferences.

APPENDIX E: TRAVEL*

Institution	Personnel	Purpose	Date	Location
JOI	K. Kryc	IODP-USIO Science Services, LDEO, Site Visit	10 January 2005	Palisades, NY
JOI	E. Hayman, K. Kryc, C. Kokinda, F. Rack, S. Williams	SODV Project Meeting	11–13 January 2005	Newburgh, NY
JOI	K. Kryc	JOI/USSSP Southern Oceans Workshop	21–23 January 2005	Boulder, CO
JOI	S. Williams	SODV Source Selection	4–7 February 2005	College Station, TX
JOI	K. Kryc	SciMP	7–11 February 2005	Kona, HI
JOI	S. Williams	SODV Source Selection	9–11 February 2005	College Station, TX
JOI	E. Hayman, C. Kokinda	SODV Evaluation Committee	9–12 February 2005	College Station, TX
JOI	S. Williams	SODV Source Selection	15–18 February 2005	College Station, TX
JOI	K. Kryc	SODV Planning	15–17 February 2005	College Station, TX
JOI	F. Rack	IO and IODP-MI/IO Meeting	10–11 March 2005	Lisbon, Portugal
JOI	K. Kryc	SODV Planning	14–16 March 2005	College Station, TX
JOI	K. Kryc	SODV Planning	22–24 March 2005	College Station, TX
JOI	S. Williams	SODV Source Selection	23–24 March 2005	College Station, TX
LDEO	T. Williams	Expedition 307 Precruise Meeting	10–12 January 2005	College Station, TX
LDEO	G. Iturrino, S. Higgins, G. Myers	SODV Project Meeting	11–13 January 2005	Newburgh, NY
LDEO	G. Iturrino	Expedition 308 Precruise Meeting	19–21 January 2005	College Station, TX
LDEO	G. Myers	Expedition 312 Precruise Meeting	26–28 January 2005	College Station, TX
LDEO (ORI)	T. Tsuji	Logging Training	2–24 February 2005	Palisades, NY
LDEO	S. Higgins	SciMP Meeting	6–11 February 2005	Kona, HI
LDEO	G. Iturrino	Expedition 301 Postcruise Meeting	28 February –3 March 2005	College Station, TX
LDEO	D. Goldberg	IO/IODP-MI/SPC/Operations Task Force Meetings	10–15 March 2005	Lisbon, Portugal
LDEO (LGHF)	F. Einaudi	IESX Training	16–21 March 2005	Calgary, Canada
TAMU	L. Chen	Labview Real-time Application Development	4–9 January 2005	San Jose, CA
TAMU	T. Davies, S. Midgely, B. Mills	SODV Project Meeting	10–13 January 2005	Newburgh, NY
TAMU	R. Dixon	Visit Langham Creek Machine Works/Northern Tools	11 January 2005	Houston, TX
TAMU	J. Henderson	Hazardous Materials Training	16–22 January 2005	College Station, TX

Institution	Personnel	Purpose	Date	Location
TAMU	G.E. Claypool	EPSP Meeting	19–20 January 2005	College Station, TX
TAMU	N. DeSilva	EPSP Meeting	19–21 January 2005	College Station, TX
TAMU	N. Banerjee	Staff Scientist Interview	25–28 January 2005	College Station, TX
TAMU	K. Becker	Expedition 312 Operations and Engineering Meeting	26–28 January 2005	Moss Landing, CA
TAMU	C. Paull	Expedition 312 Operations and Engineering Meeting	26–29 January 2005	Moss Landing, CA
TAMU	C. John	Staff Scientist Interview	30 January–2 February 2005	College Station, TX
TAMU	J. Beck	IODP-MI Data Management Meeting	30 January–5 February 2005	Kochi, Japan
TAMU	R. Mithal	IODP-MI Data Management Meeting	30 January–6 February 2005	Kochi, Japan
TAMU	P. Blum	IODP-MI Data Management Meeting/SciMP Meeting	30 January–12 February 2005	Kochi, Japan/Hilo, HI
TAMU	W.S. Crawford	Color Management Seminar	2–4 February 2005	Phoenix, AZ
TAMU	T. Thordarson	Staff Scientist Interview	2–5 February 2005	College Station, TX
TAMU	S. Freeman	Expedition 301 Postcruise Meeting	8 February–4 March 2005	College Station, TX
TAMU	C.J. Hartmann	Personnel Interview	9 February 2005	College Station, TX
TAMU	J. Slone	Oracle Training Class	13–20 February 2005	Orlando, FL
TAMU	J. Fox	IODP-BOG/AAAS Meeting/ Japan–U.S. Education Meeting	16–20 February 2005	Washington, DC
TAMU	Adam Klaus	IODP-USIO Liaison to IODP-MI NantroSEIZE Project	23–28 February 2005	Santa Fe, NM
TAMU	M. Harrison	Expedition 301 First Postcruise Meeting	28 February–3 March 2005	College Station, TX
TAMU	J. Eastlund	Java Swing Training Class	28 February–4 March 2005	Denver, CO
TAMU	G. Lowe	Expedition 301 First Postcruise Meeting	28 February–4 March 2005	College Station, TX
TAMU	J. Fox	Port Call/Meeting with ECORD Chair	28 February–5 March 2005	Ponta Delgada, Portugal/Paris, France
TAMU	J. Rice	Expedition 301 First Postcruise Meeting	28 February–5 March 2005	College Station, TX
TAMU	Ann Klaus	IO and IODP-MI/IO Meeting	8–14 March 2005	Lisbon, Portugal
TAMU	J. Baldauf	SPC Meeting/IO and IODP-MI/IO Meeting	9–18 March 2005	Lisbon, Portugal
TAMU	L. Crowder, C. Peng	DGI Training	13–19 March 2005	Atlanta, GA
TAMU	L. Hoppe, J. Whitfield	Delivery to Panalpina	16 March 2005	Houston, TX
TAMU	J. Beck	Color Management Class	17 March 2005	Austin, TX
TAMU	P. Gates	Novell Users International Leadership Conference	18–27 March 2005	Salt Lake City, UT
TAMU	J. Fox	International Continental Drilling Program Conference	28 March–1 April 2005	Potsdam, Germany
TAMU	R. Mitchell	Expedition 308 Port Call Reconnaissance	29–31 March 2005	Mobile, AL
TAMU	J. Baldauf	Expedition 312 Permitting Meeting	30 March–1 April 2005	Monterey, CA
TAMU	Adam Klaus, G. Pollard	Expedition 312 Permitting Meeting/Design Review Meeting	30 March–2 April 2005	Monterey, CA
TAMU	K. Grigar, D. Schroeder	Expedition 312 Design Review Meeting	31 March–1 April 2005	Monterey, CA
TAMRF	B. Lancaster, R. McPherson, L. Schulze	SODV Project Meeting	10–13 January 2005	Newburg, NY

Institution	Personnel	Purpose	Date	Location
TAMRF	D. DeShetler	TRAMS Technology University	28 March–1 April 2005	Las Vegas, NV

* Travel associated with meetings, conferences, port call work, and nonroutine sailing activities.

APPENDIX F: DATA REQUESTS

Top 10 Countries Accessing Janus Web Database*		
Rank	**Country**	**Visitor Sessions**
1	United States	21,693
2	Germany	528
3	Canada	347
4	France	326
5	United Kingdom	315
6	Japan	207
7	Australia	192
8	Netherlands	124
9	Italy	111
10	Western Europe	101
	All others	411
	Total	**23,944**

Note: * = Excluding access from IODP-USIO Science Services, TAMU.

Top 20 Janus Web Queries*		
Rank	**Query**	**Uploads**
1	Color reflectance data	4,337
2	Gamma-ray attenuation bulk density	2,739
3	Sample data	2,588
4	Chemistry: carbonate	2,016
5	Paleomagnetism: cryomagnetometer	1,977
6	Images: core photos	1,912
7	Magnetic susceptibility	1,869
8	Site-hole summary	1,743
9	P-wave velocity data	1,614
10	Core-section summary	1,595
11	Hole-core summary	1,562
12	Chemistry: interstitial waters	1,523
13	Natural gamma radiation	1,483
14	Moisture and density	1,464
15	Chemistry: gas	1,448
16	Paleontology: age model	1,447
17	Paleontology: Range Table	1,438
18	Chemistry: Rock-Eval	1,432
19	Paleontology investigation	1,428
20	Splice table	1,428
	Database overview and others	21,716
	Total	**58,759**

Note: * = Excluding access from IODP-USIO Science Services, TAMU.

Data Requests To Data Librarian*	
Requests	**Total**
Country:	
United States	30
Canada	3
France	3
Germany	3
United Kingdom	3
China	2
India	1
Japan	1
Russia	1
Total	47
Data:	
Data querying problem	13
Data general	12
Physical properties	5
Data question	3
Photograph	3
Seismic	2
Navigation data	1
Moratorium login	1
X-ray images	1
Chemistry: interstitial water	1
Color reflectance	1
Barrel sheets	1
Paleomagnetism: cryomagnetometer	1
Stratigraphy slice	1
Samples	1
Total	**47**

Note: * = Excluding access from IODP-USIO Science Services, TAMU.

Other Web Janus Database Statistics*
Database Query Hits:
Entire site (successful): 150,673
Average per day: 1,674
Visitor Sessions:
Visitor sessions: 24,825
Average per day: 275
Average visitor session length: 0:16:41
International visitor sessions: 12.62%
Visitor sessions of unknown origin: 0%
Visitor sessions from United States: 87.38%
Visitors:
Unique visitors: 6,942
Visitors who visited once: 5,368
Visitors who visited more than once: 1,574
Average visits per visitor: 3.58

Note: * = Excluding access from IODP-USIO Science Services, TAMU.

APPENDIX G: SAMPLE REQUESTS

IODP Expedition/ Repository	Requests	Request Number, Name, Country	Number of Samples
ECR	1	18253D, Wilson, UK	913
ECR	1	20196A, Hautevelle, France	20
ECR	1	20235A, Cool, USA	7
ECR	1	20239A, Tipple, USA	63
ECR	1	20116A, Eldrett, UK	132
ECR	1	20261A, Fuqua, USA	57
ECR	1	18887A, Lawrence, USA	106
ECR	1	20166A, Nielsen, USA	168
ECR	1	20156A, Bohaty, USA	34
ECR	1	20197A, Bohaty, USA	134
ECR	1	20059A, Bains, UK	424
ECR	1	20167A, Harding, UK	87
ECR	1	18701B, Horst, USA	62
ECR	1	20087A, Goodge, USA	1
ECR	1	20159A, Schimdt, UK	89
ECR	1	20269A, Lazarus, Germany	11
ECR	1	20274A, Maiorano, Italy	67
ECR	1	20200A, Ishii, Japan	172
ECR	1	20208A, Price, UK	36
ECR	1	20211A, Olney, USA	56
ECR	1	18811A, Verducci, Italy	232
ECR	1	20236A/B, Henderiks, Sweden	64
Total science:	22		
Total education:	0		
Total PR:	0		
Total:	**22**		**2,935**
GCR	1	20221A, Sassen, USA	4
GCR	1	20231A, Nunez, Spain	109
GCR	1	20236A, Henderiks, Sweden	57
GCR	1	20207A, Laubier, France	6
GCR	1	20232A, Pietruszka, USA	20
GCR	1	20204A, Gupta, India	1
GCR	1	20242A, Clift, UK	50
GCR	1	20228A, Hancock, Australia	23
GCR	1	20241A, Thomas, USA	119
GCR	1	20254A, Dalai, USA	27
GCR	1	20224C, Abbot, USA	21
GCR	1	20229A, Swart, USA	273
GCR	1	20209A, Meister, Switzerland	53
GCR	1	20224A, Skilbeck, Australia	11
GCR	1	20258A, Latimer, USA	460
GCR	1	20263A, Agnihotri, USA	3
GCR	1	20261A, Fuqua, USA	26
GCR	1	18894A, Joergensen, Germany	294
GCR	1	20273A, Barron, USA	5
GCR	1	20121B, Howe, Australia	109
GCR	1	20264A, Mii, Taiwan	565

IODP Expedition/ Repository	Requests	Request Number, Name, Country	Number of Samples
GCR	1	20237A, Behrmann, Germany	70
GCR	1	20268A, Meng, China	93
GCR	1	20270A, Wilson, UK	9
GCR	1	20278A, Fang, China	84
GCR	1	20240A, Pahlol, France	12
GCR	1	20293A, Schieber, USA	8
GCR	1	20338A, Niemitz, USA	170
GCR	1	20341A, Kennett, USA	4
Total science:	29		2,686
Total education:	0		
Total PR:	0		
Total:	**29**		**2,686**
WCR	1	20244A, Abbott, USA	9
WCR	1	20287A, Yogodzinski, USA	1
WCR	1	20313A, Keller, USA	1
WCR	1	20169A, Ghosh, USA	80
WCR	1	20314A, Gupta, India	113
WCR	1	20223A, Pekar, USA	254
WCR	1	20201A, Ingram, USA	63
WCR	1	20244B, Abbott, USA	7
WCR	1	20295A, Geldmacher, Germany	7
WCR	1	20311A, McHargue, USA	1
WCR	1	20239A, Tipple, USA	21
WCR	1	20089A, Diester-Haass, Germany	110
WCR	1	20283A, Morris, USA	10
WCR	1	20271B, Carter, Australia	171
Total science:	14		848
Total education:	0		
Total PR:	0		
Total:	14		848
306	1	Stein/Hefter, Germany	Deferred to shore
306	1	Stein/Hefter, Germany	Deferred to shore
306	1	Voelker/Lebreiro, Portugal	Deferred to shore
306	1	Hatakeda/Suzuki, Japan	Deferred to shore
306	1	Schippers, Germany	Deferred to shore
306	1	Guyodo/Mazaud/Kissel, France	Deferred to shore
306	1	Nielsen/Hodell, USA	Deferred to shore
306	1	Zhai, Japan	Deferred to shore
306	1	Sierro/Grimalt, Spain	Deferred to shore
306	1	Evans/Channell, USA	Deferred to shore
306	1	Ferretti/Shackleton/Cacho Lascorz, UK	Deferred to shore
306	1	Kanamatsu/Nanayama, Japan	Deferred to shore
306	1	Kanamatsu/Ohno, Japan	Deferred to shore
306	1	Ohno, Japan	Deferred to shore
306	1	Ohno, Japan	Deferred to shore
306	1	Nanayama, Japan	Deferred to shore
306	1	Bjorklund, Norway	Deferred to shore
306	1	Gruetzner, Germany	Deferred to shore
306	1	Acton, USA	Deferred to shore

IODP Expedition/ Repository	Requests	Request Number, Name, Country	Number of Samples
306	1	Hagino, Japan	Deferred to shore
306	1	Akimoto, Japan	Deferred to shore
306	1	Akimoto/Nanayama/Ohno, Japan	Deferred to shore
306	1	Zarikian, USA	Deferred to shore
306	1	Judge/Krissek/St. John, USA	Deferred to shore
306	1	Kulhanek, USA	Deferred to shore
306	1	Adkins/Schrag/Higgins, USA	Deferred to shore
306	1	Ennyu, Japan	Deferred to shore
Total:	27		

APPENDIX H: PUBLICATIONS

Publication	Release Date	URL
Scientific Prospectus:		
Expeditions 303 and 306 Addendum	17 February 2004	http://iodp.tamu.edu/publications/SP/303306SP/306_ADD/306_ADD.html
Expedition 307 (Modern Carbonate Mounds: Porcupine Drilling)	1 March 2005	http://iodp.tamu.edu/publications/SP/307SP/307SP.html
Preliminary Report:		
Expedition 303 (North Atlantic Climate 1)	31 January 2005	http://iodp.tamu.edu/publications/PR/303PR/303PR.html
Annual Report:		
IODP-USIO FY04 Annual Report	22 February 2005	http://iodp.tamu.edu/publications/AR.html

APPENDIX I: WEB

Comparison of Web access statistics averages between FY05 Q1 and Q2 indicates a 36% increase in Web site traffic.

JOI

Web access statistics for the IODP-USIO/JOI Web server will be available starting with FY05 Q3.

LDEO

iodp.ldeo.columbia.edu	FY05 Q2		
Parameter	**Jan**	**Feb**	**Mar**
Page views	906	1,177	1,433
Site visits	984	1,067	1,006

* LDEO Web personnel and search engine spider visits have been filtered out.

TAMU

iodp.tamu.edu	FY05 Q2		
Parameter	**Jan**	**Feb**	**Mar**
Page views	161,765	58,349	114,298
Site visits*	15,279	13,514	16,850

* TAMU employee and search engine spider visits have been filtered out.

New Web Pages	URL
Information by expedition with relevant links and maps	http://iodp.tamu.edu/scienceops/expeditions.html
Online manuscript submission & review	http://iodp.tamu.edu/publications/manuscripts/
Portal for ocean drilling citation database	http://iodp.tamu.edu/publications/citations/database.html
IODP and combined DSDP/ODP/IODP maps	http://iodp.tamu.edu/scienceops/maps.html
Expedition 305 photos	http://iodp.tamu.edu/publicinfo/gallery/exp305/
Expedition 306 photos	http://iodp.tamu.edu/publicinfo/gallery/exp306/

APPENDIX J: CORE REPOSITORY CONSOLIDATION

PROPOSED DSDP AND ODP CORE DISTRIBUTION PLAN ADDENDUM

As requested by NSF, in January 2005 the IODP-USIO submitted an addendum to the proposed DSDP, ODP, and IODP Core Distribution Plan, which was submitted through IODP-MI to NSF and the Ministry of Education, Culture, Sports and Technology (MEXT) of Japan in December 2004. This addendum presented a third redistribution plan for DSDP and ODP cores, in which the East Coast Repository (ECR) core collection (except Leg 150X cores) and the West Coast Repository (WCR) collection are moved to the Gulf Coast Repository (GCR) and the ECR and WCR are closed.

During the quarter, the IODP-USIO received guidance from NSF that NSF/MEXT had decided that (1) ODP and DSDP cores would be distributed based on the IODP geographic distribution plan, (2) SOC funds would be used to support the task, and (3) the IODP-USIO should plan to begin the task in late FY06. A budget for the first phase of the IODP-USIO work was included in the FY06 IODP-USIO Program Plan.

APPENDIX K: MAJOR RESEARCH EQUIPMENT AND FACILITIES CONSTRUCTION (MREFC) ACCOUNT–U.S. SCIENTIFIC OCEAN DRILLING VESSEL (SODV) PROJECT

U.S. SODV PROGRAM REPORT—JANUARY TO MARCH 2005

During the reporting period (1 January–31 March 2005), the JOI Alliance accomplished several major steps in the process of acquiring the new SODV. Chief among these were

- A scientific ocean drilling vessel (SODV) retreat was held in January to outline the SODV acquisition and conversion strategy.
- Proposals were received from potential drilling contractors for the new ship.
- A Source Selection Committee was formed to evaluate and rank the proposals.
- Required documents were submitted to NSF to enable MREFC funds to be released to JOI.
- IODP-USIO Science Services, LDEO, started writing an RFP for the third-tier logging service provider subcontract.
- Community engagement in the SODV process was initiated.

SODV RETREAT

An SODV retreat was held 11–13 January 2005 in Newburgh, New York, to outline the SODV acquisition and conversion strategy. Attendees included the following:

JOI: S. Williams, F. Rack, K. Kryc, C. Kokinda, and E. Hayman
IODP-USIO Science Services, LDEO: G. Myers, G. Iturrino, and S. Higgins
IODP-USIO Science Services, TAMU/TAMRF: T. Davies, S. Midgely, and B. Mills (TAMU) and R. McPherson, L. Shulze, and B. Lancaster (TAMRF).

A consultant was hired to provide a tutorial on Earned Value Management Systems.

Source Selection

Responses to the RFP were due on 4 February 2005. Once proposals were received, the Source Selection Committee initiated reviews and has been preparing for a Source Selection Advisory Committee meeting in May with NSF and JOI Alliance representatives.

NSF Deliverables

During the second quarter of FY04, the SODV team dedicated much of its effort to preparing the required documents to NSF that will result in MREFC funds being released to JOI. The Project Execution Plan was rewritten, an FY05 SODV Annual Work Plan was developed, and an SODV subcontract between JOI and TAMRF was drafted. These documents were submitted to NSF and will be available on the MREFC Web site (www.joialliance.org/MREFC) as soon as they are completed.

LDEO Logging RFP

IODP-USIO Science Services, LDEO, began writing the RFP for the third-tier logging service provider subcontract. At the end of this reporting period, the document was 90% complete. The document will be reviewed by Columbia University General Council then released for industry response. Responses are expected by 15 June 2005, and a selection is tentatively expected by 29 July 2005.

SODV Community Engagement

The complete community engagement plan is described in the SODV Project Execution Plan. Community engagement activities in the second quarter were centered on developing and releasing the Briefing Book questionnaire that accompanies the online SODV Briefing Book (www.joialliance.org/MREFC). The responses to the SODV Briefing Book will be compiled by IODP-MI into a report to NSF and the JOI Alliance that will be used by the SODV Conversion Management Team to influence the final designs of the shipboard science facilities. In addition, the JOI Alliance started staffing each of several committees designed to maximize the opportunities for the scientific community to interface with the SODV process. The SODV Independent Oversight Committee was staffed with three scientists, one industry representative, and one conversion expert. Their kickoff meeting is scheduled for 9 May 2005. A call for nominations was issued to generate a list of individuals interested in participating in the Program Advisory Committee and the Science Facilities Conversion Design Team. Nominations are due on 1 May 2005. Finally, the JOI Alliance provided SciMP with an update on the progress of the SODV Project at the 8–10 February 2005 SciMP meeting. In response, SciMP issued an action item to evaluate the SODV briefing book and to provide a report to the JOI Alliance at the next meeting in July 2005.

APPENDIX L: IODP-USIO QUARTERLY REPORT DISTRIBUTION LIST

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