



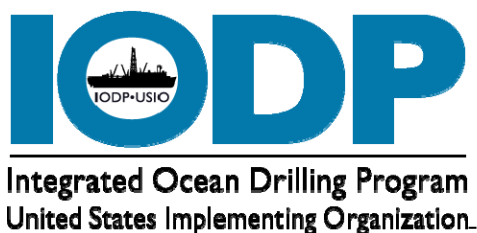
**INTEGRATED OCEAN DRILLING PROGRAM**  
**United States Implementing Organization**

**FY08 Quarterly Report 3**

**1 April–30 June 2008**

**NSF Contract No. OCE-0352500**

**Submitted by the USIO**  
**to**  
**The National Science Foundation**  
**and**  
**IODP Management International, Inc.**



**14 August 2008**



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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) FY08 Annual Program Plan as implemented by the USIO, which comprises the Consortium for Ocean Leadership, Inc. (Ocean Leadership), and its partners, Texas A&M University (TAMU) and Lamont-Doherty Earth Observatory (LDEO) of Columbia University.<sup>1</sup>

## MANAGEMENT AND ADMINISTRATION

### CONTRACTUAL ACTIVITIES

#### OCEAN LEADERSHIP

##### ***NSF CONTRACT OCE-0352500 WITH OCEAN LEADERSHIP***

Ocean Leadership received the following modifications during the reporting period.

- Modification 29: Reduced the FY07 Annual Program Plan contract budget by \$2,518,596 (carryforward); shifted the FY07 carryforward amount to the FY08 Annual Program Plan contract budget, increasing it to \$39,523,170; increased funding by \$15,000,000; and changed the due dates for the fourth quarter operations and management report and the small business subcontracting plan reports.

##### ***OCEAN LEADERSHIP SUBCONTRACT JSC 4-03 WITH LDEO***

Ocean Leadership issued the following modifications during the reporting period.

- Modification 22: Revised FY08 Annual Program Plan budget to \$4,546,300, realigned incremental funding among categories through 26 March 2008, provided incremental funding in the amount of \$1,000,000 toward FY08 Annual Program Plan activities, and changed contractor name from Joint Oceanographic Institutions to Consortium for Ocean Leadership, Inc.
- Modification 23: Provided incremental funding in the amount of \$1,438,185 toward FY08 Annual Program Plan activities.

##### ***OCEAN LEADERSHIP SUBCONTRACT JSC 4-02 WITH TAMRF***

Ocean Leadership issued the following modifications during the reporting period.

- Modification 28: Provided incremental funding in the amount of \$13,290,950 toward FY08 Annual Program Plan activities, and changed contractor name from Joint Oceanographic Institutions to Consortium for Ocean Leadership, Inc.
- Modification 29: Provided incremental funding in the amount of \$600,000 toward FY08 Annual Program Plan activities, approved the final FY08 Annual Program Plan budget, incorporated application of OMB Circular A-21 retroactive to 1 September 2004, and replaced Contracting Officer with Director of Contracts/Grants and Chief Financial Officer.

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<sup>1</sup> In this document, references to TAMU include Texas A&M Research Foundation (TAMRF).

## **LDEO**

### ***LDEO SUBCONTRACT WITH SCHLUMBERGER***

- LDEO issued a new contract for provision of IODP operational services.

### ***LDEO SUBCONTRACT WITH LEICESTER UNIVERSITY***

LDEO issued the following modification during the reporting period.

- Modification 8: Provided incremental funding in the amount of \$80,000.

## **TAMRF**

### ***TAMRF SUBCONTRACT WITH OVERSEAS DRILLING LIMITED***

Texas A&M Research Foundation (TAMRF) issued the following modification during the reporting period.

- Modification 8: Provided incremental funding for the standby day rate and Overseas Drilling Limited (ODL) insurance for the IODP operational portion of the Phase II subcontract.

### ***MISCELLANEOUS ACTIVITY***

- 14 April 2008: Submitted the Small Business 294 Report under JSC4-02.
- 11 June 2008: Submitted request for approval to rent the Pressure Core Sampler Tool to a commercial entity.
- 19 June 2008: Forwarded formal notification of the removal of P.J. Fox as key personnel for the position of Director of Science Services, TAMU, as required in Clause H.6 of Subcontract JSC4-02 with Ocean Leadership.

## **ADMINISTRATIVE REORGANIZATION OF TAMU SUPPORT STAFF**

TAMRF reorganized its administrative support structure using a team approach to increase efficiency and better meet the business needs of the Program with reduced staff. The new organizational structure includes four support teams: Services (Human Resources, Payroll, Travel, Conferences); Fiscal; Contracts, Property, and Procurement; and U.S. Scientific Ocean Drilling Vessel (SODV) (for the duration of the SODV Project).

## **HEALTH, SAFETY, AND ENVIRONMENT**

### **IODP-USIO PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

The IODP-USIO Programmatic Environmental Impact Statement (PEIS) was finalized with publishing of the Record of Decision (ROD) on 30 June 2008 ([www.nsf.gov/geo/oce/envcomp/IODP\\_USIO\\_PEIS\\_RODv3.pdf](http://www.nsf.gov/geo/oce/envcomp/IODP_USIO_PEIS_RODv3.pdf)) and submission of the document to the Environmental Protection Agency (EPA).

### **TAMU HEADQUARTERS PROJECTS AND ACTIVITIES**

**Crisis Management Plan:** The Crisis Management Plan was updated to reflect changes to Texas A&M University's plan and is under review. The finalized plan will be posted on the Web site.

**Project Safety Analysis:** The Project Safety Analysis for the Simulated Borehole Facility (SBTF) was completed to accommodate final operational testing of the device.

## **PERSONNEL STATUS**

### **OCEAN LEADERSHIP**

The following positions were vacated during the quarter:

- Information Technology Director (Robert Wright): 18 April 2008
- Finance Director (Eldon Hayman): 6 June 2008

The following positions were opened and advertised during the quarter:

- Webmaster

There were no positions filled during the quarter:

### **LDEO**

There were no positions vacated, opened, advertised, or filled during the quarter.

### **TAMU**

The following positions were vacated during the quarter:

- Manager of Information Technology and Data Services (David Becker): 31 May 2008
- Laboratory Officer (Burney Hamlin): 31 May 2008
- Assistant Laboratory Officer (Peter Kannberg): 4 June 2008
- Staff Scientist (Cedric John): 6 June 2008
- Director (Jeff Fox): 30 June 2008
- Deputy Director (Jack Baldauf): 30 June 2008

There were no positions opened, advertised, or filled during the quarter.

### **IODP-USIO WEB SERVICES**

Main activities during this quarter included implementing a shipboard Web portal for the *JOIDES Resolution*, launching a new School of Rock 2008 Web site, implementing new logging database pages, updating the SODV lab pages, reorganizing the logging staff directories, adding news stories, and updating the repository core distribution.

### **WEB SITE STATISTICS**

Where possible, visits by USIO employees and search engine spiders were filtered out. Page statistics are inflated because the software does not differentiate pages viewed by search engines.

## USIO WEB SITE

The USIO Web site is hosted at TAMU, LDEO, and Ocean Leadership.

FY08 Q3 USIO Web Site				
Parameter	www.iodp-usio.org	iodp.ldeo.columbia.edu	iodp.tamu.edu	Total
Page views	14,582	58,009	567,321	639,912
Site visits	8,819	8,128	46,317	63,264

New and updated Web pages	Release date	URL
Data: logging database pages	April 2008	<a href="http://brg.ldeo.columbia.edu/logdb">http://brg.ldeo.columbia.edu/logdb</a>
Labs: shipboard laboratories	May 2008	<a href="http://iodp.tamu.edu/labs/ship.html">http://iodp.tamu.edu/labs/ship.html</a>
JOIDES Resolution Web portal	May 2008	<a href="http://etna.ship.iodp.tamu.edu/">http://etna.ship.iodp.tamu.edu/</a> (for shipboard use only)
Expeditions: schedule	May 2008	<a href="http://iodp.tamu.edu/scienceops">http://iodp.tamu.edu/scienceops</a>
Expeditions: expedition pages	May 2008	<a href="http://iodp.tamu.edu/scienceops/expeditions.html">http://iodp.tamu.edu/scienceops/expeditions.html</a>
News: releases and stories	June 2008	<a href="http://www.iodp-usio.org/Newsroom">http://www.iodp-usio.org/Newsroom</a>
Curation: core repository information	June 2008	<a href="http://iodp.tamu.edu/curation/repositories.html">http://iodp.tamu.edu/curation/repositories.html</a>
Staff directories: logging departments	June 2008	<a href="http://iodp.tamu.edu/staffdir/ldeo_headq.html">http://iodp.tamu.edu/staffdir/ldeo_headq.html</a>
Participants: 317/318 physical exams	June 2008	<a href="http://iodp.tamu.edu/participants/before_exp.html">http://iodp.tamu.edu/participants/before_exp.html</a>

## IODP PUBLICATIONS WEB SITE

The IODP Publications Web site is hosted at TAMU. New online publications are shown in the “Publications” section of this report.

FY08 Q3 IODP Publications Web Site	
Parameter	publications.iodp.org
Page views	295,511
Site visits	18,134

## U.S. IODP EDUCATIONAL WEB SITES

FY08 Q3 Deep Earth Academy Web Sites*			
Web domain	www.joilearning.org	www.oceanleadership.org/learning	School of Rock Web sites
Page views	4,325	4,731	64
Site visits	1,849	3,407	58

\*Ocean Leadership’s educational Web sites are funded jointly by the USIO and USSSP.

New and updated Web pages	Release date	URL
Education: School of Rock 2008	June 2008	<a href="http://www.oceanleadership.org/schoolofrock2008">http://www.oceanleadership.org/schoolofrock2008</a>

## LEGACY WEB SITES

The Ocean Drilling Program (ODP) Science Operator Web site and the Deep Sea Drilling Project (DSDP) Publications Web site are hosted at TAMU. The ODP Legacy Web site is hosted at Ocean Leadership.

Parameter	FY08 Q3 ODP Web Site			FY08 Q3 DSDP Web Site
	www-odp.tamu.edu	www.odplegacy.org	Total ODP	www.deepseadrilling.org
Page views	4,049,385	10,349	4,059,734	217,126
Site visits	247,921	3,794	251,715	13,352



# TECHNICAL, ENGINEERING, AND SCIENCE SUPPORT

## IODP-USIO EXPEDITION SCHEDULE

The Operations Task Force (OTF) completed deliberations on constructing a new schedule based on delays in the shipyard that indicated the ship would not be ready for international operations until November 2008. Operations are scheduled to commence with the Canterbury Basin Expedition followed by the Wilkes Land Expedition. The Pacific Equatorial Age Transect (PEAT) expeditions and Juan de Fuca Remedial Cementing were shifted to follow operations at Wilkes Land.

Expedition	Port (Origin)	Dates <sup>1,2</sup>	Total Days (Port/Sea)	Days at Sea (Transit/Ops)	Co-Chief Scientists	USIO Contact(s) <sup>3</sup>	
Deployment, mobilization, sea trials, transit <sup>4</sup>	NA	Singapore	28 August–12 November 2008	76 (45/31)	24/7	NA	TAMU: J. Baldauf LDEO: E. Meissner
Canterbury Basin	317	Wellington, New Zealand	12 November–4 January 2009	53 (6/47)	2/45	C. Fulthorpe, K. Hoyanagi	TAMU: J. Geldmacher* LDEO: G. Guerin^
Wilkes Land <sup>5</sup>	318	Wellington, New Zealand	4 January–9 March 2009	64 (5/59)	16/43	C. Escutia, H. Brinkhuis	TAMU: A. Klaus* LDEO: T. Williams^
Pacific Equatorial Age Transect (PEAT) <sup>6</sup>	320	Wellington, New Zealand	9 March–9 May 2009	61 (5/56)	23/33	H. Pällike, N. Ahagon	TAMU: K. Gamage* LDEO: H. Evans^
PEAT/Juan de Fuca Remedial Cementing <sup>7</sup>	321	Honolulu, Hawaii	9 May–9 July 2009	61 (5/56)	21/35	M. Lyle, I. Raffi	TAMU: C. Zarikian* LDEO: A. Malinverno^

Notes:

<sup>1</sup> Dates for expeditions may be adjusted pending final vessel delivery date from shipyard or non-IODP activities.

<sup>2</sup> The start date reflects the initial port call day. The vessel will sail when ready.

<sup>3</sup> The USIO contact list includes both the Expedition Project Manager (\*), the primary contact for the expedition, and the Logging Staff Scientist (^). In addition, further expedition information is available at [www.iodp-usio.org](http://www.iodp-usio.org).

<sup>4</sup> An intermediate Darwin, Australia, port call is targeted for approximately 19 and 20 October 2008. Sea trials will be completed at Deep Sea Drilling Project Site 588.

<sup>5</sup> Wilkes Land activities include completion of the Adelie Drift APL.

<sup>6</sup> Scientists will embark the vessel at Tahiti, French Polynesia, on approximately 18 March 2009.

<sup>7</sup> Expedition will consist of operations in both the Equatorial Pacific (30 days) and Juan de Fuca Ridge (5 days). Scientists are tentatively targeted to disembark the vessel in San Diego, California, on approximately 27 June 2009.

## EXPEDITION PLANNING AND IMPLEMENTATION ACTIVITIES

### IODP-USIO CANTERBURY BASIN EXPEDITION

**Expedition Planning:** Two proposed alternate sites developed during the pre-expedition meeting were forwarded to the Environmental Protection and Safety Panel (EPSP) for consideration. Communications continued with New Zealand via the State Department to obtain clearance to drill in New Zealand waters.

**Expedition Staffing:** Science staffing was completed. New Zealand observers were identified as part of the ongoing clearance process and were invited to participate as members of the science party.

## **IODP-USIO WILKES LAND EXPEDITION**

**Expedition Planning:** New proposed alternate sites were submitted to EPSP for review and research was initiated for weather and ice monitoring during the expedition. The Expedition Project Manager attending a science planning meeting convened by the Co-Chief Scientists.

**Expedition Staffing:** Science staffing was completed.

## **IODP-USIO PACIFIC EQUATORIAL AGE TRANSECT EXPEDITIONS**

**Expedition Planning:** The USIO began working with the Co-Chief Scientists to accommodate a change in operational days for Expedition 320. The *Scientific Prospectus* will be revised accordingly for publication.

**Expedition Staffing:** The science party was informed of the new schedule. Three scientists from each expedition will be unable to participate based on the new dates. The USIO began working with the Co-Chief Scientists and the program member offices (PMOs) to fill these positions.

## **IODP-USIO JUAN DE FUCA HYDROGEOLOGY (REMEDIAL CEMENTING)**

**Expedition Planning:** Clearance was obtained for operational activities in Canadian waters.

## **ENVIRONMENTAL ASSESSMENT**

The USIO retained Metcalf & Eddy to prepare a combined Environmental Assessment (EA)/Initial Environmental Evaluation (IEE) that will identify and evaluate the potential environmental impacts associated with the operation of the *JOIDES Resolution* in the area off the Wilkes Land coast of Antarctica. The EA/IEE will be completed by the end of August 2008.

## **PROJECTS AND OTHER ACTIVITIES**

### **ADVANCED PISTON CORER TEMPERATURE TOOL MODEL 3**

Antares agreed to provide data file formats, data communications formats, and commands used between the WinTemp software and the Advanced Piston Corer Temperature Tool Model 3 (APCT3) data logger. This documentation will be helpful for future troubleshooting and in-house software modifications. The APCT3 data loggers were tested, calibrated, and successfully deployed on board the *Chikyu* during Expeditions 315 and 316. The APCT3 tools were accepted as operational tools and are available for use on future IODP expeditions.

### **COMMON DOWNHOLE DATA ACQUISITION SYSTEM**

A draft engineering manual containing calibration and other procedures was completed and production boards were made ready for installation into downhole tools.

### **DOWNHOLE SENSOR SUB AND REMOTE MEMORY MODULE**

A Downhole Sensor Sub (DSS) and Remote Memory Module (RMM) test was conducted on 9 May 2008 at the Schlumberger Genesis rig. Although communication between the DSS and RMM tested successfully during previous bench testing at TAMU, the DSS failed to record data during the field test. After the tool was recovered, the time stamp indicated that the DSS stopped recording data as soon as the deck cable was removed. A failure analysis revealed an intermittent fault in the cable connector that prevented the onboard batteries from being enabled. A new cable was made with improved strain relief to avoid future problems of this type and DSS/RMM testing was rescheduled for 19 and 20 September 2008.

## **INSTRUMENTED WATER SAMPLER**

The overall design of the Instrumented Water Sampler (IWS) was ~98% completed during the quarter. The detailed fabrication drawings were 30% completed, with the first of three drawing packages on schedule to be ready for manufacture in early August 2008. The motor control circuit design was completed with bread board tests scheduled for July 2008. A test of the motor/ball screw/syringe mechanism versus the draw down fluid pressure drop was run to determine the limits of the motor current. The motor's maximum current generated 580 psi drawdown pressure.

## **LOCKABLE FLAPPER VALVE PROJECT**

After reviewing preliminary results of the Lockable Flapper Valve (LFV) testing, Schlumberger engineers suggested a possible solution that involves using a sleeve to maintain the open position of the valve during logging operations. If this solution proves viable, it will be a much simpler, more elegant solution to the problem than redesigning the LFV. USIO engineers began evaluating this alternate plan to determine its feasibility.

## **METROLOGY LABORATORY (CALIBRATION LABORATORY)**

The 100  $\Omega$ , 400  $\Omega$ , 10 k $\Omega$ , and 100 k $\Omega$  resistance standards were delivered and integrated into the resistance check standard procedure. These also allowed in-house calibration of the Black Stack thermistor readout modules. One 33 k $\Omega$  standard resistor was ordered, which will allow better resistance calibration of the CDAQ data logger. Preparation of formal metrology laboratory procedures was initiated and a formal project acceptance test was scheduled for 7 and 8 August 2008.

## **SCHLUMBERGER TELEMETRY PROJECT**

A preliminary bench test in Webster, Texas, and a subsequent open-hole test in Blanco, Texas, were conducted, continuing collaboration between LDEO and Schlumberger to develop an integrated downhole telemetry system. Using this system, the LDEO Modular Temperature Tool (MTT) and Magnetic Susceptibility Sonde (MSS) were successfully tested in combination with Schlumberger logging strings and data were acquired, stored, and plotted using the Schlumberger surface acquisition system. Work continued on a key feature of the project—the ability for the Schlumberger system to acquire data from any properly configured third-party tool—which is now close to completion.

## **SEDIMENT TEMPERATURE TOOL**

Parts were ordered to have five sediment temperature tools (SETs) available for use on the *JOIDES Resolution* and the *Chikyu*. Two additional collected delivery systems (CDS) tools were also ordered.

## **SIMULATED BOREHOLE TEST FACILITY**

The draft operations manual for the SBTF was completed and the project acceptance process continued in stages. Documentation review and demonstration of sediment consolidation were completed in June 2008 and the final acceptance test was scheduled for 2 July 2008.

# **ENGINEERING DEVELOPMENT**

There are no Engineering Development deliverables scheduled for FY08.

# DATA MANAGEMENT

## PROJECTS AND OTHER ACTIVITIES

With the exception of items specified below, data management activities are currently supported by the SODV Project and are therefore not reported here.

### INVENTORY ASSET MANAGEMENT SYSTEM

The phased production release of the Inventory Asset Management System (AMS) began during the quarter. The order, inventory, and warehouse modules were put into production on 21 April 2008, after which users successfully entered all new orders in the AMS. Orders placed from 1 October 2006 onward in the old system (SIMAN) were migrated to the AMS. The shipping module was put into production on 27 May 2008, after which two shipments were successfully sent out of the AMS. All shipping information from the two old systems (SIMAN and S2S) was migrated to the AMS. Work continued on the final AMS module (i.e., property).

### LOG DATABASE UPGRADE

Cutover was made to the new Logging Database, which has been operational with no reported problems for a month. LDEO began compiling and prioritizing a list of suggested improvements to enable planning for implementing enhancements.

## IODP DATABASE DATA REQUESTS

### JANUS DATABASE

Top 10 Countries Accessing Janus Web Database*		
Rank	Country	Visitor Sessions
1	United States	33,560
2	Germany	644
3	United Kingdom	327
4	Japan	284
5	France	253
6	China	165
7	Spain	148
8	Canada	133
9	Netherlands	120
10	Norway	115
	All others	859
	<b>Total</b>	<b>36,608</b>

\*Excluding access from TAMU.

Top 20 Janus Web Queries*		
Rank	Query	Uploads
1	Sample Report	1,570
2	Core Photos	1,255
3	Site Summary	559
4	DTube Labels	556
5	Point Calculator	519
6	Sample Requests	470
7	Core Summary	463
8	Hole Trivia	379
9	Hole Summary	312
10	Age Model	306
11	Bulk Density (GRA)	290
12	Chemistry – Carbonates	248
13	Sed. Thin Section	243
14	Moisture and Density (MAD)	238
15	Leg Summary	216
16	Depth Calculator	202
17	Color Reflectance (RSC)	196
18	Prime Data Images	195
19	Site Details	192
20	Site Summary Trivia	167
	Others	2,666
	<b>Total</b>	<b>11,242</b>

\*Excluding access from TAMU.

Other Web Statistics*		
Database query hits		
	Entire site (successful)	106,642
	Average per day	1,171
Visitor sessions		
	Total number of visitor sessions	36,608
	Average per day	402
	Average length of visit	00:21:13
	International visitor sessions	8.32%
	Visitor sessions of unknown origin	0.01%
	Visitor sessions from United States	91.67%
Visitors		
	Unique visitors	5,221
	Visitors who only visited once	2,328
	Visitors who visited more than once	2,893
	Average visits per visitor	7.01

\*Excluding access from TAMU.

<b>Data Requests to Data Librarian*</b>	
<b>Requests</b>	<b>Total</b>
<b>Country:</b>	
United States	15
United Kingdom	4
Canada	2
Norway	1
Sweden	1
<b>Total</b>	<b>23</b>
<b>Data:</b>	
Data	6
Data querying problem/question	6
Photo (38 images)	6
Statistics	3
Data Question	2
<b>Total</b>	<b>23</b>

\*Excluding access from TAMU.

## LOG DATABASE

<b>Top 10 Countries Accessing Log Web Database*</b>		
<b>Rank</b>	<b>Country</b>	<b>Visitor Sessions</b>
1	United States	454
2	United Kingdom	98
3	France	66
4	Canada	83
5	Germany	57
6	Japan	61
7	Italy	42
8	Brazil	35
9	India	19
10	Netherlands	34
	All others	329
	<b>Total</b>	<b>1,312</b>

\*Excluding access from LDEO.

Other Log Web Statistics*		
Database query hits		
	Entire site (successful)	58,009
	Average per day	2.63
Visitor sessions		
	Total number of visitor sessions	8,128
	Average per day	83
	Average length of visit	2:00
	International visitor sessions	40.32%
	Visitor sessions of unknown origin	25.08%
	Visitor sessions from United States	34.60%
Visitors		
	Unique visitors	5,812
	Visitors who only visited once	4,992
	Visitors who visited more than once	964
	Average visits per visitor	9.98

\*Excluding access from LDEO.

Data Requests to Log Data Supervisor		
Expedition	Request Number, Name, Affiliation, Country	Type of Data
There were no data requests for this period.		

## CORE CURATION

### SAMPLE REQUESTS

IODP Expedition/ Repository*	Visitors	Request Number, Name, Country	Number of Samples
<b>East Coast Repository:</b>			
		20995B, Storkey/Hannah, New Zealand	
		21438A, Knappertsbusch, Switzerland	116
		21491A, Price/Schmidt, United Kingdom	4
		21515A, Lawrence/Herbert/Cleveland, USA	247
		21519A, Jordan, Japan	8
		21530A, Lear/Mawbey, United Kingdom	164
Total science	0	6	566
Total education	0	0	0
Total PR	0	0	0
<b>Total:</b>	<b>0</b>	<b>6</b>	<b>566</b>
<b>Gulf Coast Repository:</b>			
	1	21569A, Blair, USA	489
		21580A, Bahr, Germany	418
		21077B, Finkel, Canada	9
		21170C, Haug, Switzerland	116
		21577A, Stevens, New Zealand	20
		21170D, Jaccard, Switzerland	78
		21565A, Faul, USA	40
		21132D, Tripathi, United Kingdom	6
	1	21579A, Lyle, USA	3
		21587A, Rebbert, USA (Educational)	1
		21419B, Bach, Germany	72
		21559A, Yamamoto, Japan	18

IODP Expedition/ Repository*	Visitors	Request Number, Name, Country	Number of Samples
		21562A, Tochilina, Russia	24
		21547A, Pusz, USA	175
		21537A, Edgar, United Kingdom	1722
		21552A, Selles, USA	48
		21508A, Roca, Spain (Educational)	3
		21544A, Liu, USA	59
		21561A, Ravizza, USA	16
		21563A, Burns, Australia	44
		21549A, Pagani, USA	34
		21341C, Rafter, USA	465
		21546A, Meynadier, France	77
		21512A, Bolton, United Kingdom	73
		21471B, Waddell, USA	5
		21545A, Lear, United Kingdom	45
	1	21543A, Schmidt, USA	11
		21520A, Suto, Japan	105
		20277C, Tejada, Philippines	76
		21539B, Dowsett, USA	27
		21499A, Frische, Germany	11
		21513A, Cortese, New Zealand	69
		21460B, Verleye, Belgium	241
		21480A, Dedert, Netherlands	3
		21531A, Meister, Switzerland	13
		21502A, Higgins, USA	39
		21521A, Wust, Australia	82
		21492A, Lear, United Kingdom	101
		21204A, Sun, China	281
		21453A, Lutz, USA	84
		21350A, Zinniker, USA	59
		21523A, Schuch, USA	3
		21335B, Lal, USA	14
		20721D, Kirtland, USA	581
	1	21421B, Ohayer, USA	22
		21466A, Fang, China	80
		21527A, Gamage, USA	17
		20090B, Haug, Switzerland	30
		21481A, Griffith, USA	14
		21318B, Pekar, USA	108
	16	Public Relations Tour (1)	No samples
Total science	4	48	6,127
Total education:	32	2	4
Total PR:	16	0	0
<b>Total:</b>	<b>52</b>	<b>50</b>	<b>6,131</b>
<b>West Coast Repository:</b>			
	1	21419B, Bach/Rausch, Germany	10
	1	20272C, Tejada/Susiki/Ravizza, Philippines	69
		21519A, Jordan, Japan	1
		21561A, Ravizza/Paquay, USA	45
	24	Public Relations Tours (2), Scripps Institute of Oceanography, USA	No samples



IODP Expedition/ Repository*	Visitors	Request Number, Name, Country	Number of Samples
Total science:	2	5	125
Total education:	0	0	0
Total PR:	24	0	0
<b>Total:</b>	<b>26</b>	<b>5</b>	<b>125</b>

\*The East Coast Repository (ECR) and West Coast Repository (WCR) stopped accepting sample requests as of 15 June 2008. All requests are being handled by the Bremen Core Repository (BCR), Gulf Coast Repository (GCR), and Kochi Core Center (KCC).

## **DSDP/ODP CORE REDISTRIBUTION PROJECT**

The East Coast Repository (ECR) packed and shipped six containers of core to the Bremen Core Repository (BCR). The West Coast Repository (WCR) packed and shipped four containers of core to the Kochi Core Center (KCC) and two to the GCR. The WCR packed three containers of core for the Gulf Coast Repository (GCR), but shipping was delayed in order to allow the GCR to finish shipping core to the KCC. The Gulf Coast Repository (GCR) packed and shipped ten containers of core to the Kochi Core Center (KCC), and received two containers from the West Coast Repository (WCR). In addition, the GCR began rearranging the entire collection to store its core in numerical order from DSDP Leg 1 to the most recent IODP core.

## **PUBLICATIONS**

### **IODP-USIO REPORTS**

#### **FY08 Q2 IODP QUARTERLY REPORT**

The IODP-USIO report for the second quarter of FY08 (January–March 2008) was submitted to the National Science Foundation (NSF) and the IODP central management office (IODP Management International, Inc. [IODP-MI]) on 13 May 2008.

#### **FY08 ANNUAL PROGRAM PLAN**

On 2 May 2008, the USIO submitted to IODP-MI and NSF for review and evaluation a sixth revision of the IODP-USIO FY08 Annual Program Plan for science operating costs (SOC) and platform operating costs (POC) and submitted to NSF a revised Appendix to the FY08 Annual Program Plan for U.S. Systems Integration Contract costs (SIC).

The IODP-USIO FY08 Annual Program Plan consists of requests for SOC Nonoperations and POC costs of non-SODV mobilization activities, long-lead time items and the associated costs for expeditions proposed for FY09, and continuing SOC shore-based activities during FY08. The budget totaled \$37,772,930, with \$5,281,257 in SOC Nonoperations requested from IODP-MI and \$32,491,673 in POC requested from NSF.

In addition to SOC Operations costs (defined as “that which funds SODV SOC operations at sea and all costs in support of these operations such as planning, logistics, engineering science support, etc.”), the Appendix to the IODP-USIO Annual Program Plan outlines requests related to the IODP-USIO U.S. Systems Integration Contract, which include costs that cover USIO efforts for completion of ODP publications work, education and outreach, and associated management and administrative support. The FY08 Annual Program Plan Appendix to NSF includes a SIC budget totaling \$6,936,211 and also provides POC budget details and SOC Nonoperations budget details.

The FY08 Annual Program Plan and Appendix were accepted in June 2008.

### FY09 ANNUAL PROGRAM PLAN

On 22 May 2008, the USIO submitted to IODP-MI and NSF for review and evaluation a first draft of the IODP-USIO FY09 Annual Program Plan for SOC and POC.

The IODP-USIO FY09 Annual Program Plan consists of requests for SOC Nonoperations and POC costs of non-SODV mobilization activities; SOC Operations costs; IODP Expedition 317 (Canterbury Basin), IODP Expedition 320 (Wilkes Land Expedition), PEAT Expedition 1/Juan de Fuca Remedial Cementing, and PEAT Expedition 2; long-lead time planning costs for expeditions proposed for FY10; and continuing SOC shore-based activities during FY09. The IODP-USIO FY09 Annual Program Plan budget totals \$63,148,170, with \$4,079,609 in SOC Nonoperations requested from IODP-MI and \$8,189,443 in SOC Operations and \$50,879,118 in POC requested from NSF.

On 27 May 2008, the USIO submitted to NSF a first draft of the Appendix to the FY08 Annual Program Plan for SIC. The Appendix to the IODP-USIO FY09 Annual Program Plan outlines requests related to the IODP-USIO U.S. Systems Integration Contract, which include costs that cover USIO efforts for education and outreach and associated management and administrative support. The FY09 Annual Program Plan Appendix to NSF includes a SIC budget totaling \$931,439 and also provides SOC Operations, SOC Nonoperations, and POC budget details.

### IODP SCIENTIFIC PUBLICATIONS

Publication	Release Date	Digital Object Identifier	Comments
<b>Scientific Prospectus:</b>			
Expedition 317 (Global and local controls on continental margin stratigraphy: Canterbury Basin, Eastern South Island, New Zealand)	April 2008	10.2204/iodp.sp.317.2008	
Expedition 318 (Cenozoic East Antarctic Ice Sheet evolution from Wilkes Land margin sediments)	May 2008	10.2204/iodp.sp.318.2008	
<b>Preliminary Reports:</b>			
Expedition 316 (NanTroSEIZE Stage 1A: NanTroSEIZE shallow megasplay and frontal thrusts)	April 2008	10.2204/iodp.pr.316.2008	Edited and formatted for CDEX
<b>Proceedings of the Integrated Ocean Drilling Program:</b>			
<b>Volume 302</b>			
Data report: regional stratigraphic correlation and a revised composite depth scale for IODP Expedition 302	17 June 2008	10.2204/iodp.proc.302.202.2008	Edited and formatted for ESO

### SCIENTIFIC PUBLICATION DISTRIBUTION

Publication	Number Distributed
<b>ODP Publications:</b>	
<i>Proceedings of the Ocean Drilling Program, Initial Reports</i>	3
<i>Proceedings of the Ocean Drilling Program, Scientific Results</i>	2

## IODP DIGITAL OBJECT IDENTIFIERS

IODP is a member of CrossRef, the official digital object identifier (DOI) registration agency for scholarly and professional publications. All IODP scientific reports and publications are registered with CrossRef and assigned a unique DOI that facilitates online access. DOIs have also been assigned to ODP and DSDP scientific reports and publications. CrossRef tracks the number of times a publication is accessed, or resolved, through the DOI system. Statistics for the third quarter are shown in the table below.

Reports and Publications	DOI Prefix	Number of Resolutions			
		April 2008	May 2008	June 2008	FY08 Q3 Total
IODP	10.2204	3,483	3,606	3,680	10,769
ODP/DSDP	10.2973	8,669	5,749	8,395	22,813

## PROJECTS AND OTHER ACTIVITIES

### SOCIETY FOR TECHNICAL COMMUNICATION INTERNATIONAL AWARDS

In April 2008, the Publication Services Department won two awards in the Society for Technical Communication (STC) International Technical Art Competition. The design for the IODP-USIO FY06 Annual Report won an Excellence Award and the art packaging design for the Expedition 310 digital video disc (DVD) won a Merit Award. The two winning contest entries were among four IODP entries that advanced to the international STC competition in February 2008 after winning awards in the Houston STC chapter's annual competition.

### ODP CUMULATIVE INDEX

Publication Services made substantial progress during the third quarter on editing and proofing the Cumulative Index to the *Proceedings of the Ocean Drilling Program*. The cumulative index integrates the published index entries from the entire *Proceedings of the Ocean Drilling Program* series into separate geographic, subject, and taxonomic indexes. An author index prepared by Publication Services for the project is also included. In FY08, the ODP legacy project is supported directly by NSF through SIC funding. As of 30 June 2008, work on the cumulative index was ~75% complete overall, and the project was on schedule for completion in September 2008.

## EDUCATION

U.S. education activities are supported by NSF through SIC funding. These activities are not included in the POC and SOC budgets.

### DEEP EARTH ACADEMY

#### EDUCATION VISUAL IDENTITY—DEEP EARTH ACADEMY WEB SITE

Deep Earth Academy continued to add new materials to its Web site, including new Activities of the Month and preworkshop material for the 2008 School of Rock workshop in College Station, Texas. Planning began for a new *JOIDES Resolution* expedition education Web site to launch simultaneously with the first expedition of the new *JOIDES Resolution* in November 2008. A Request for Proposal was released for a Web design company to assist Deep Earth Academy in building this feature-rich and interactive site.

## EDUCATIONAL MATERIALS DISTRIBUTION

During the quarter, Deep Earth Academy distributed 972 posters and 259 DVDs at conferences and outreach activities and in response to requests received through the Deep Earth Academy Web site. Materials were distributed at the following meetings.

Conference/Meeting/Workshop	Date	Location
6 <sup>th</sup> Annual Technology Innovations Conference	17 and 18 July 2008	Osage Beach, Missouri
Earth Science Online Course	15 May 2008	Sugar Grove, Illinois
Science Chair Meeting	20 May 2008	Greensboro, South Carolina
Johns Hopkins CTY Program	23 June 2008	Stanford, California
Earth Science Summer Camp	28 June 2008	Las Cruces, New Mexico

## MATERIALS DEVELOPMENT AND EDUCATION PROGRAMS

### *MATERIALS DEVELOPMENT*

The 2007 School of Rock participants created data-rich, inquiry-based classroom activities that were teacher-developed, tested, and scientifically reviewed prior to posting on the Activity of the Month Web site ([www.oceanleadership.org/learning/activityofthemonth/home](http://www.oceanleadership.org/learning/activityofthemonth/home)). These activities also served as the basis for monthly e-mail updates for educators across the nation. Activity of the Month features for this quarter included “How Small? How Big? How Much?” (April 2008), teaching grades 3–6 about relative size using foraminifera; a focus on Google Earth activities *An Expedition to the Seafloor* and *Sediment Deposition Supports Seafloor Spreading* (May 2008); and “Plate Tectonics and Contributions from Scientific Ocean Drilling” (June 2008), teaching grades 5–8 about seafloor spreading through data and models they construct themselves.

The Sea90E poster and Web site ([www.oceanleadership.org/sea90e](http://www.oceanleadership.org/sea90e)), produced in 2007 in collaboration with last summer’s Teacher-at-Sea, received a Distinguished Achievement Award from the Association of Educational Publishers.

### *SCHOOL OF ROCK*

USIO staff prepared for the 2008 School of Rock workshop at the GCR in College Station, Texas. Preparations included reviewing teacher applications and selecting final participants, preparing and finalizing curriculum, printing workshop materials, recruiting and working with instructors, and handling logistics. Ocean Leadership Teacher Fellow L. Pacunas set up a workshop Moodle site (an online instructional environment) where participants and instructors could introduce themselves, interact, and complete surveys and pre-workshop assignments ([moodle.deepearthacademy.org/](http://moodle.deepearthacademy.org/)). K. Petronotis (Web Administrator, TAMU) developed the School of Rock 2008 Web site, which included the agenda, participant biographies, and relevant links ([www.oceanleadership.org/schoolofrock2008/](http://www.oceanleadership.org/schoolofrock2008/)).

Selected participants included a 2007 Presidential Teaching Award winner and staff members included a School of Rock alumnus who won a 2007 Presidential Award winner for Excellence in Mathematics and Science Teaching.

### **TEACHER-AT-SEA PROGRAM**

Early stage planning began to place an educator on board the Canterbury and Wilkes Land expeditions during FY09.

### **TEACHER-IN-RESIDENCE PROGRAM**

L. Pacunas completed her year as Ocean Leadership Teacher Fellow. Though funded through the U.S. Science Support Program (USSSP), Pacunas worked on both USSSP- and IODP-funded projects, including planning for School of Rock 2008 and numerous other conferences and workshops, developing new educational products for use by teachers and students, developing the outreach tool kit for scientists, and leading direct outreach opportunities in the Washington, D.C., area.

Staff interviewed and selected J. Collins, a middle school teacher from Fairfax County, to begin work as a part-time Ocean Leadership Teacher Fellow in October 2008.

### **TEACHER WORKSHOPS**

<b>Conference/Meeting*</b>	<b>Date</b>	<b>Location</b>
Cibola High School Teachers Meeting (L. Peart [Education Director, Ocean Leadership])	15 April 2008	Yuma, Arizona
Deep Earth Academy/Incorporated Research Institutions for Seismology (IRIS) Earth Science Workshop (L. Peart, J. Monaco [School of Rock 2007 alumnus], J "Bubba" Attryde [Toolpusher/Core Technician, Transocean Inc.])	16–19 April 2008	Yuma, Arizona
Climate Change Workshop (J. Hopkins [School of Rock 2207 alumnus])	28 April 2008	Las Vegas, Nevada
Lycée Rochambeau—French International School (x 2) (S. Cooper [Assistant Education Director, Ocean Leadership], L. Pacunas [Ocean Leadership Teacher Fellow], C. O'Riordan [Director, USSSP])	10 and 29 April 2008	Washington, D.C.

\*Teacher workshops that were conducted by representatives of the Deep Earth Academy or at which representatives of Deep Earth Academy gave presentations.

## **DIVERSITY SUPPORT ACTIVITIES**

### **HISTORICALLY BLACK COLLEGES AND UNIVERSITIES FELLOWSHIP**

The Historically Black Colleges and Universities (HBCU) Fellowship application for FY09 was released in May 2008. K. Ellins (Program Manager, University of Texas Institute for Geophysics [UTIG]) and C. Pride (Assistant Professor, Marine Science Program, Savannah State University) agreed to serve as mentors for the next academic year. Plans include targeting students from Savannah State University and Prairie View A&M University. The USIO began exploring mechanisms that will improve the recruitment of faculty/research mentors and HBCU students.

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

The USIO supported participation of four students and one program representative at IODP's Science Steering and Evaluation Panel (SSEP) meeting held 20–22 May 2008 in Busan, South Korea. Minorities Striving and Pursuing Higher Degrees of Success (MS PHD'S) in Earth System Science attendees included one graduate student from Stony Brook University (Stony Brook, New York) and three undergraduate students, one each from Queens College (New York, New York), Universidad Metropolitana (San Juan, Puerto Rico), and University of West Georgia (Carrollton, Georgia).

During the meeting, the students participated in a range of activities designed to contribute to their professional development. Working with panel member mentors, the students gained an inside look at the proposal process for a large-scale science program and had the opportunity to meet and discuss science issues with international colleagues. Commenting on the experience, one student participant remarked, “The importance of writing succinct proposals with clear and concise objectives was a great lesson learned by observing the meeting.”

## **SUPPLEMENTAL EDUCATION FUNDING**

In early May, L. Peart submitted a proposal to the American Honda Foundation requesting support for a regional Scientist-in-Residence program for K–12 schools across the United States. The proposal was selected as a finalist and a site visit was completed in June 2008. If funded, residencies will begin this fall.

## **OUTREACH**

### **PUBLIC AFFAIRS**

USIO communications and outreach activities this quarter focused on opportunities to publicize scientific ocean drilling through related publications and events with the goal of raising public and media awareness.

Highlights include the following events:

- The USIO prepared and supplied U.S. scientific ocean drilling–related content to the European Consortium for Ocean Research Drilling (ECORD) for the European Geosciences Union meeting in April 2008 in Vienna, Austria. A highlight of this content was an updated slide show/video showing progress of the *JOIDES Resolution* conversion work in the Singapore shipyard.
- The USIO helped the Center for Deep Earth Exploration (CDEX) prepare for the May 2008 Japan Geoscience Union meeting in Chiba, Japan, by providing input to CDEX’s communications planning document for the event and supplying “Overhaul and Enhancement: *JOIDES Resolution*” brochures for distribution.

### **PUBLIC RELATIONS MATERIALS**

#### ***USIO MEDIA ADVISORIES/NEWS RELEASES***

The following media advisories were distributed this quarter:

- Geologists discover new way of estimating size and frequency of meteorite impacts (14 April 2008)
- *JOIDES Resolution* conversion update—April 2008 (25 April 2008)

## **NEWS ARTICLES, PROGRAMS, MEDIA CITATIONS, OR PUBLIC COMMENTARY**

News articles, programs, media citations, or public commentary published during this quarter resulting from IODP media and public awareness efforts included the following. See the “IODP in the news” Web page ([www.iodp-usio.org/Newsroom/news.html](http://www.iodp-usio.org/Newsroom/news.html)) for other articles that raise the profile of the Program.

- Black, R., 2008. First contact to earthquake zone. *BBC News*, 21 April 2008. <http://news.bbc.co.uk/2/hi/science/nature/7353866.stm>
- Byrd, B., Block, J., Patterson, L., and Salazar, J., 2008. Research ship drills for earthquakes. *EarthSky*, 28 April 2008. <http://www.earthsky.org/radioshows/52486/research-ship-chiky-drills-for-earthquakes>
- *Coshocton (OH) Tribune*, 2008. Local students make presentations. *Coshocton Tribune*, 8 May 2008.
- Dalton, R., 2008. US ocean-research projects in dire economic straits. *Nature [London, U. K.]*, 453:7. [doi:10.1038/453007a](https://doi.org/10.1038/453007a)
- Geological Society of America, 2008. Arc collision zones center of much activity. *FirstScience News*, 23 May 2008. [http://www.firstscience.com/home/news/earth-science/arc-collision-zones-center-of-much-activity\\_48484.html](http://www.firstscience.com/home/news/earth-science/arc-collision-zones-center-of-much-activity_48484.html)
- *MarketWire*, 2008. Integrated Ocean Drilling Program wins DeepStar Award. *MarketWire*, 5 May 2008. <http://www.iodp.org/iodp-wins-deepstar-award/>
- Mone, G., 2008. Inside the tsunami factory. *PopSci.com*, 29 April 2008. <http://www.popsci.com/scitech/article/2008-04/inside-tsunami-factory>
- Moskowitz, C., 2008. Tiny microbes found thriving mile below seafloor. *LiveScience*, 22 May 2008. <http://www.foxnews.com/story/0,2933,357287,00.html>
- Munro, M., 2008. From forests to ice. *Canada.com*, 19 June 2008. <http://www.canada.com/topics/news/topics/technology/science/story.html?id=82fe2dc6-5c2d-430c-bd12-58fa1bbb5fc8>
- Nelson, L., 2008. To the core and beyond. *Lodi News-Sentinel*, 26 April 2008. [http://www.lodinews.com/articles/2008/04/28/lodi\\_living/1\\_core\\_080426.txt](http://www.lodinews.com/articles/2008/04/28/lodi_living/1_core_080426.txt)
- Roussel, E.G., Cambon Bonavita, M.-A., Querellou, J., Cragg, B.A., Webster, G., Prieur, D., and Parkes, R.J., 2008. Extending the sub-sea-floor biosphere. *Science*, 320(5879):1046. [doi:10.1126/science.1154545](https://doi.org/10.1126/science.1154545)
- Sofge, E., 2008. The next 5 extreme machines you need to know. *Pop. Mech.*, 23 May 2008. <http://www.popularmechanics.com/science/research/4265183.html>
- Stephens, T., 2008. IMS researcher Adina Paytan appointed Ocean Leadership Distinguished Lecturer. *UC Santa Cruz News/Events*, 7 April 2008. [http://www.ucsc.edu/news\\_events/text.asp?pid=2087](http://www.ucsc.edu/news_events/text.asp?pid=2087)
- *Zanesville (OH) Times Recorder*, 2008. Students make presentations at scholarship week. *ZanesvilleTimesRecorder.com*, 4 May 2008. [http://64.233.183.104/search?q=cache:jg8K69BSZfAJ:www.iodp.org/index.php%3Foption%3Dcom\\_docman%26task%3Ddoc\\_download%26gid%3D2097+%22Students+make+presentations+at+scholarship+week%22+zanesville&hl=en&ct=clnk&cd=1&gl=us](http://64.233.183.104/search?q=cache:jg8K69BSZfAJ:www.iodp.org/index.php%3Foption%3Dcom_docman%26task%3Ddoc_download%26gid%3D2097+%22Students+make+presentations+at+scholarship+week%22+zanesville&hl=en&ct=clnk&cd=1&gl=us)



## **MUSEUM PARTNERSHIPS**

San Francisco's Exploratorium agreed to feature the Wilkes Land Expedition through video, photos, and/or email updates in their NSF-funded, Webbie Award-winning Web site and exhibit "Ice Stories: Dispatches from Polar Scientists"

([icestories.exploratorium.edu/dispatches/index.php](http://icestories.exploratorium.edu/dispatches/index.php)) . Deep Earth Academy also began collaborating with Parque de las Ciencias in Granada, Spain, home of Wilkes Land Expedition Co-Chief Scientist C. Escutia Dotti. This museum will feature Antarctic ODP cores, videos, drilling artifacts, and Deep Earth Academy materials in tandem with Ice Station Antarctica, a traveling exhibit from London's Natural History Museum slated to run from July 2008 through February 2008 ([www.nhm.ac.uk/visit-us/whats-on/temporary-exhibitions/ice-station-antarctica/](http://www.nhm.ac.uk/visit-us/whats-on/temporary-exhibitions/ice-station-antarctica/)) . Both partnerships offer the potential for visitor programming and/or teacher workshops during the expedition.

## **CONGRESSIONAL OUTREACH**

The USIO exhibited at the 14th Annual Coalition for National Science Funding (CNSF) Capitol Hill Reception and Exhibition. C. Fulthorpe (Senior Research Scientist, UTIG) joined us at the booth to share his expertise as a Co-Chief Scientist for the Canterbury Basin Expedition, which will be the *JOIDES Resolution's* first IODP expedition after refurbishment and delivery from the shipyard in November 2008. NSF Director A. Bement and NSF Deputy Director K. Olsen visited the exhibit and several members of Congress and many staffers attended the reception and interacted with staff at the USIO exhibit.

## **USIO INTERACTIONS WITH IODP-MI AND OTHER IMPLEMENTING ORGANIZATIONS**

### **INTERACTIONS**

#### **LOG DATABASE**

ECORD science operator (ESO) and USIO personnel worked together to prepare the Expedition 310 (Tahiti Sea Level) log data, associated metadata, and processing notes for inclusion in the new LDEO log database. In addition, a similar process began for the Expedition 302 (Arctic Coring Expedition [ACEX]) data, which should be in the database next quarter.

#### **USIO PUBLICATIONS SUPPORT TO CDEX**

The USIO provided meeting facilities and publications support to CDEX for the Expedition 315 and Expedition 316 first postexpedition meetings on 12–16 May 2008 and 16–20 June 2008, respectively. The meetings were scheduled in College Station, Texas, to allow access to the Publication Services staff, which is responsible for formatting and editing scientific reports and publications from all IODP implementing organizations (IOs).

### **MEETINGS**

#### **CYBERSECURITY SUMMIT**

The NSF CyberSecurity Summit was held in Washington, D.C., on 7 and 8 May 2008 (see "Appendix C" for list of USIO attendees). Talks were presented by leading researchers in information technology (IT) system security on current and potential threats and strategies to counter them. USIO personnel participated in a breakout session dedicated to developing a template for science organizations to use in creating cybersecurity plans.



### **SCIENCE STEERING AND EVALUATION PANEL MEETING**

The SSEP Meeting was held 19–22 May 2008 in Busan, Korea (see “Appendix C” for list of USIO attendees). A total of 16 proposals were reviewed by the panel. J. Miller (TAMU Staff Scientist) gave the USIO presentation.

### **ENVIRONMENTAL PROTECTION AND SAFETY PANEL MEETING**

The EPSP Meeting was held 16–18 June 2008 in Hannover, Germany (see “Appendix C” for list of USIO attendees). Proposed sites were evaluated for four proposals, new alternate sites for two USIO expeditions, and new sites for NanTroSEIZE. M. Malone (TAMU Manager of Science Operations) gave the USIO presentation.

### **U.S. SCIENTIFIC OCEAN DRILLING VESSEL ANALYTICAL SYSTEMS TEST DRIVE**

A “test drive” of the analytical and data management systems developed for the SODV was conducted 18–20 June 2008 in College Station, Texas. The test drive was an event set up on short notice to make the best use of the time between completion of the analytical work packages and the equipment shipping dates. It offered a welcome opportunity for completion of an integration test that was originally scheduled for the deployment period. More importantly, though, it offered a critical opportunity to present our work to experienced users who could provide constructive feedback. An external assessment team of 14 scientists from all over the United States, representing 10 years of collective experience on board scientific drilling vessels, enthusiastically accepted all of the systems as “ready for operations.”

## APPENDIX A: FINANCE REPORT

Please contact [info@oceanleadership.org](mailto:info@oceanleadership.org) for hard copies of financial pages.

## APPENDIX B: CONFERENCE AND MEETING SCHEDULE

Conference/Meeting*	Date	Location
National Science Foundation (NSF) CyberSecurity Summit	7 and 8 May 2008	Washington, DC
Center for Deep Earth Exploration (CDEX) Expedition 315 Postexpedition Meeting	12–16 May 2008	College Station, Texas
Science Steering and Evaluation Panel (SSEP) Meeting	19–22 May 2008	Busan, Korea
Environmental Protection and Safety Panel (EPSP)	16–18 June 2008	Hannover, Germany
CDEX Expedition 316 Postexpedition Meeting	16–20 June 2008	College Station, Texas
U.S. Scientific Ocean Drilling Vessel (SODV) Analytical Systems Test Drive	18–20 June 2008	College Station, Texas
Science Advisory Structure Executive Committee (SASEC) Meeting	23 and 24 June 2008	Beijing, China

\*Implementing organization meetings, IODP-MI task force meetings, Science Advisory Structure (SAS) panel meetings, Program-sponsored conferences, and scientific and educational conferences at which the USIO had a booth or exhibit.

## APPENDIX C: TRAVEL

Purpose*	Dates	Location	Institution: Personnel
Downhole sensor sub (DSS) testing at Schlumberger	2–8 April 2008	College Station, Texas	LDEO: E. Meissner
Marine Technology Cable and Connection Training	4 April 2008	San Diego, California	TAMU: T. Gustafson
Subcontractor meeting**	8–11 April 2008	Montpellier, France	LDEO: L. Anderson, S. Davies, J. Inwood, J. Lofi
Help Star Training Seminar	8–12 April 2008	Las Vegas, Nevada	TAMU: M. Petersen
Meeting with Transocean Inc.	10 and 11 April 2008	Houston, Texas	TAMU: J. Fox
Integrated Ocean Drilling Program (IODP) Management Meeting	13–15 April 2008	College Station, Texas	LDEO: D. Goldberg
European Geosciences Union (EGU) General Assembly	13–18 April 2008	Vienna, Austria	LDEO: A. Fehr TAMU: J. Miller
Meeting with Ocean Leadership	14–16 April 2008	Washington, DC	TAMRF: B. Lancaster, L. Schulze
IODP Managers' Meeting	14–17 April 2008	College Station, Texas	Ocean Leadership: S. Bohlen, D. Divins
Deep Earth Academy/ Incorporated Research Institutions for Seismology (IRIS) Earth Science Workshop	16–19 April 2008	Yuma, Arizona	Ocean Leadership: L. Peart
Houston Port Authority Transport Worker Identification Credentials (TWIC) appointment	17 April 2008	Houston, Texas	TAMU: D. Johnson
Video editing training	20–25 April 2008	Dallas, Texas	TAMU: T. Fulton
Envisions '08 Conference	23–25 April 2008	San Antonio, Texas	TAMRF: A. Crane
Meeting at Transocean Inc. to review invoices	30 April–2 May 2008	Houston, Texas	TAMRF: I. Kindt
Meeting at Transocean Inc.	5 May 2008	Houston, Texas	TAMU: J. Fox

Offshore Technology Conference (OTC) 2008	5–8 May 2008	Houston, Texas	LDEO: S. Mrozewski, T. Hussein TAMU: B. Aduddell, L. Chen, D. Ferrell, K.. Grigar, M. Meiring, L. Obee, P. Thompson
Western Continuing Professional Education (CPE) Conference	5–8 May 2008	Napa, California	TAMRF: B. Lancaster
NSF Cybersecurity Summit	7 and 8 May 2008	Washington, DC	LDEO: D. Quoidbach TAMU: P. Gates
IODP Engineering Operations DSS/remote memory module (RMM) testing	7–10 May 2008	College Station, Texas	LDEO: W. Masterson
FKPE Workshop Bohrlochgeophysik und Gesteinphysik: Schwerpunkt "Faciesbestimmung"	8 and 9 May 2008	Hannover, Germany	LDEO: A. Fehr
Houston Port Authority TWIC appointment	8 and 9 May 2008	Galveston, Texas	TAMU: R. Mitchell
DSS/RMM testing at Schlumberger	10 May 2008	Sugarland, Texas	TAMU: B. Aduddell, K. Grigar
U.S. Scientific Ocean Drilling Vessel (SODV) shipyard meeting†	14 and 15 May 2008	Singapore	Ocean Leadership: S. Higgins
Visit to Transocean Inc. office to review invoices	14–16 May 2008	Houston, Texas	TAMRF: I. Kindt
Council of Science Editors (CSE) Conference	16–20 May 2008	Vancouver, British Columbia	TAMU: L. Peters
Science Steering and Evaluation Panel (SSEP) Meeting	16–23 May 2008	Busan, South Korea	TAMU: J. Miller, C. Zarikian
X-ray diffraction (XRD) training	18–23 May 2008	Madison, Wisconsin	TAMU: L. Brandt, E. Jackson
Annual Symposium of the Society of Petrophysicists and Well Log Analysts (SPWLA)**	25–28 May 2008	Edinburgh, Scotland	LDEO: L. Anderson, S. Davies, J. Inwood, S. Mrozewski
SUN training	26–30 May 2008	Houston, Texas	TAMU: G. Banta, M. Hodge, A. Trefethen
Meeting with Bill Ball at Ocean Leadership	28–30 May 2008	Washington, DC	TAMRF: A. Crane, A. Greer, W. Wasson
Adobe Photoshop seminar	30 May 2008	New York, New York	LDEO: C. Brenner, M. Reagan
SUN training	1–6 June 2008	Houston, Texas	TAMU: G. Banta, M. Hodge, M. Nobles, A. Trefethen
Overseas Drilling Limited (ODL) audit	11–13 June 2008	Houston, Texas	TAMRF: I. Kindt
Offshore Technology Conference (OTC) workshop	14–18 June 2008	Houston, Texas	TAMU: R. Grout
Environmental Protection and Safety Panel (EPSP) Meeting	16–18 June 2008	Hannover, Germany	TAMU: M. Hovland, M. Malone
Meeting to review drilling opportunities	15–17 June 2008	Houston, Texas	TAMU: J. Fox
IODP Management International, Inc. (IODP-MI), Meeting	16–18 June 2008	Houston, Texas	Ocean Leadership: D. Divins
SODV Analytical Systems Test Drive†	18–20 June 2008	College Station, Texas	Ocean Leadership: S. Higgins
Schlumberger telemetry testing	19–26 June 2008	Houston, Texas	LDEO: S. Mrozewski

Science Advisory Structure Executive Committee (SASEC) Meeting	23 and 24 June 2008	Beijing, China	Ocean Leadership: D. Divins
Petroleum Industries Meeting	24 June 2008	Houston, Texas	TAMU: Y. Vasilyeva

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

\*\*Travel costs partially funded by other source.

†USIO-funded trip for USIO representative(s) to attend an SODV Project meeting.

## APPENDIX D: IODP-USIO QUARTERLY REPORT DISTRIBUTION LIST

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