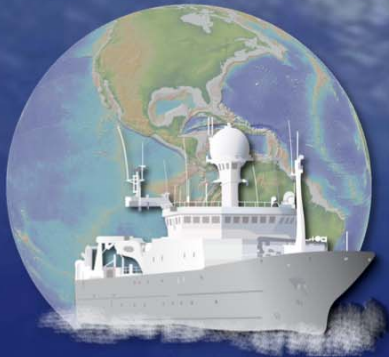


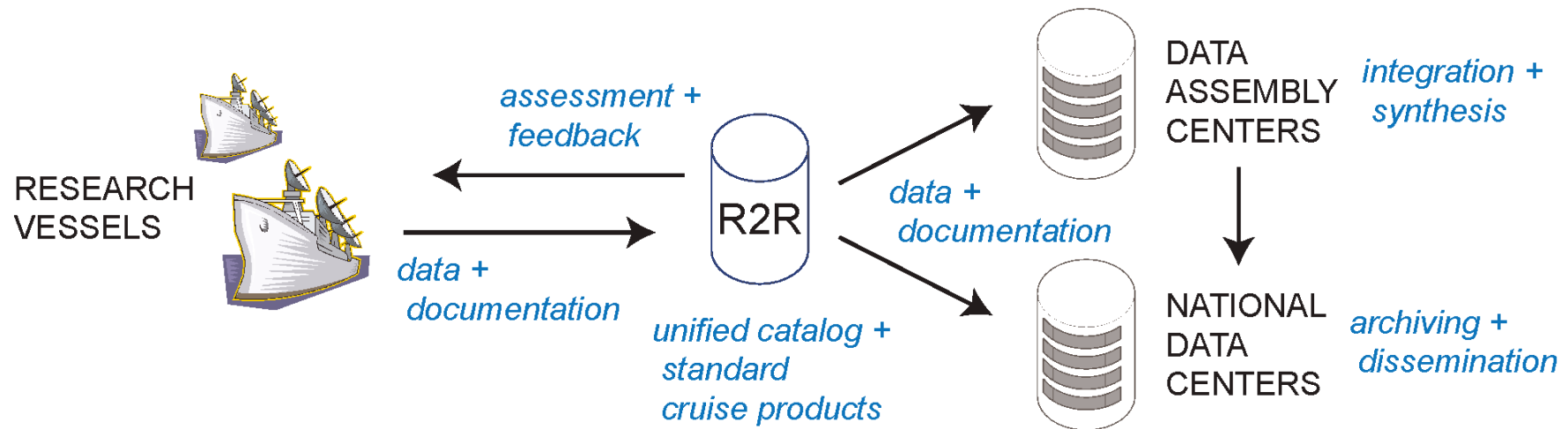


rvdata.us

Rolling Deck to Repository (R2R)

Annual Report

Program Goals



- Migrate all routine “underway” data to long-term repositories
- Create catalog of cruises and standard products
- Assess data quality and provide timely feedback to operators

Fleet Online

Oct. 2008

Cruise Catalog

 <i>Alpha Helix</i> ★	 <i>Atlantic Explorer</i> ★	 <i>Atlantis</i> ★	 <i>Blue Heron</i> ★
 <i>Cape Hatteras</i> ★	 <i>Clifford A. Barnes</i> ★	 <i>Corwith Cramer</i> ★	 <i>Endeavor</i> ★
 <i>F.G. Walton Smith</i> ★	 <i>Healy</i> ★	 <i>Hugh R. Sharp</i> ★	 <i>Ka'imikai-o-Kanaloa</i> ★
 <i>Kilo Moana</i> ★	 <i>Knorr</i> ★	 <i>Laurence M. Gould</i> ★	 <i>Marcus G. Langseth</i> ★
 <i>Maurice Ewing</i> ★	 <i>Melville</i> ★	 <i>Moana Wave</i> ★	 <i>Nathaniel B. Palmer</i> ★
 <i>New Horizon</i> ★	 <i>Oceanus</i> ★	 <i>Pelican</i> ★	 <i>Point Sur</i> ★
 <i>Polar Sea</i> ★	 <i>Robert C. Seamans</i> ★	 <i>Robert Gordon Sproul</i> ★	 <i>Roger Revelle</i> ★
 <i>Savannah</i> ★	 <i>Seward Johnson</i>	 <i>Thomas G. Thompson</i> ★	 <i>Wecoma</i> ★

- 26 RVs
(21 UNOLS
+5 allied)

- 1,960
cruises
cataloged

- 6.5+
million files
archived

2009

2010

Oct. 2010

Langseth
(Healy)
Kilo Moana
Melville
Revelle
Thompson
Sharp
Atlantis
Knorr
Oceanus
(Ka'imikai)
Barnes
Walton Smith
Point Sur
Wecoma
(Cramer)
(Seamans)
Endeavor
New Horizon
Sproul
(Polar Sea)
Pelican
Savannah
Explorer
Hatteras
Blue Heron



Vessel Profiles

(Searchable inventory of underway instruments on each vessel: device type, make, model, and location.)

Home » Internal » Vessel Operators

Vessel Profiles

Vessel: **Melville** - Device :

Vessel : [reset]

Vessel	Device Type	Make	Model	Location
Melville	adcp	RDI	OS-150	
Melville	adcp	RDI	OS-75	
Melville	ctd	Sea-Bird	SBE-911plus	
Melville	expendableprobe	Sippican	MK21	
Melville	fluorometer	WET Labs	WetStar	
Melville	gnss	Ashtech	ADU2	
Melville	gnss	Furuno	GP-90D	
Melville	gnss	Trimble	NT-200D	
Melville	gnss	Trimble	Tasman	
Melville	gravimeter	Bell	BGM-3	
Melville	gyrocompass	Sperry	MK-37	
Melville	gyrocompass	Sperry	MK-35	
Melville	magnetometer	Marine Magnetics	Sea Spy	
Melville	metstation	SIO	MET-System	
Melville	multibeam	Kongsberg	EM122	
Melville	subbottom	Knudsen	320B/R	
Melville	tsg	Sea-Bird	SBE-45	

<http://www.rvdata.us/operators/profiles>

"Sailing Orders" Form

Create New Cruise | Rolling Deck to Repository (R2R)

http://www.rvdata.us/content/create-new-cruise

Search

Search

arko

- Create Content
- My Account
- Administer
- Log Out

ATLANTIC EXPLORER

	Year	Cruise type	Chief Scientist	Chief Institution	Start date	End date
SELECT	2010	operational	Carlson, Craig	edu.ucsb	2010-03-02	2010-03-02
SELECT	2010	operational			2010-03-08	2010-03-10
SELECT	2010	operational			2010-03-23	2010-03-27
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-04-06	2010-04-08
SELECT	2010	operational	Conte, Maureen	edu.bios	2010-04-13	2010-04-16
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-04-20	2010-04-24
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-05-03	2010-05-03
SELECT	2010	operational	Worrlow, Scott	edu.who	2010-05-06	2010-05-09
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-05-17	2010-05-17
SELECT	2010	operational	Carlson, Craig	edu.ucsb	2010-06-18	2010-06-18
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-06-21	2010-06-25
SELECT	2010	operational	Carlson, Craig	edu.ucsb	2010-06-28	2010-06-29
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-07-06	2010-07-06
SELECT	2010	operational	Conte, Maureen	edu.bios	2010-07-13	2010-07-17
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-07-22	2010-07-27
SELECT	2010	operational	Fitzgerald, William	edu.uconn	2010-08-04	2010-08-08
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-08-11	2010-08-11
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-08-19	2010-08-23
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-09-03	2010-09-07
SELECT	2010	operational	Curry, Ruth	edu.who	2010-09-12	2010-09-23
SELECT	2010	operational	Carlson, Craig	edu.ucsb	2010-10-01	2010-10-02
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-10-05	2010-10-09
SELECT	2010	operational	Lomas, Michael	edu.bios	2010-10-18	2010-11-04
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-11-09	2010-11-13
SELECT	2010	operational	Conte, Maureen	edu.bios	2010-11-18	2010-11-21
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-12-06	2010-12-10
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-12-14	2010-12-17
SELECT	2010	operational	Knap, Anthony	edu.bios	2010-09-28	2010-09-29
SELECT	2010	transit			2010-01-27	2010-01-30

Edit Cruise | Rolling Deck to Repository (R2R)

http://www.rvdata.us/content/edit-cruise?sid=10713&lid=117024

Search

arko

- Create Content
- My Account
- Administer
- Log Out

Vessel ID: Atlantic Explorer

Operator ID: edu.bios

Cruise ID:

Cruise Type: operational

Start Port: St. George's

Start Date (YYYY-MM-DD): 2010-06-21

End Port: St. George's

End Date (YYYY-MM-DD): 2010-06-25

SCIENCE PARTY

Tip: Click on "Add Another Person" to create more fields. Click on any field and press the "down arrow" key on your keyboard to open a list of accepted values. Alternatively, you can start typing a value and an autocomplete list will appear to help you finish. If none of the values on our list matches, you can enter any value in the field.

Name	Institution	Role
Knap, Anthony	edu.bios	Scientist, Chief

+ Add Another Person

FUNDING AWARDS

Tip: Click on "Add Another Award" to create more fields. Click on "PI" and "Institution" fields and press the "down arrow" key on your keyboard to open a list of accepted values. Alternatively, you can start typing a value and an autocomplete list will appear to help you finish. If none of the values on our list matches, you can enter any value in the field.

Agency	Award #	PI	Institution	Title
gov.nsf	0752366	Knap, Anthony	edu.bios	The Bermuda Atlantic Time-series
gov.nsf	0648016	Knap, Anthony	edu.bios	The Panulirus Hydrographic Stati
gov.nsf	0628416	Buesseler, Ken	edu.who	Carbon Flux Through the Twilight

+ Add Another Award

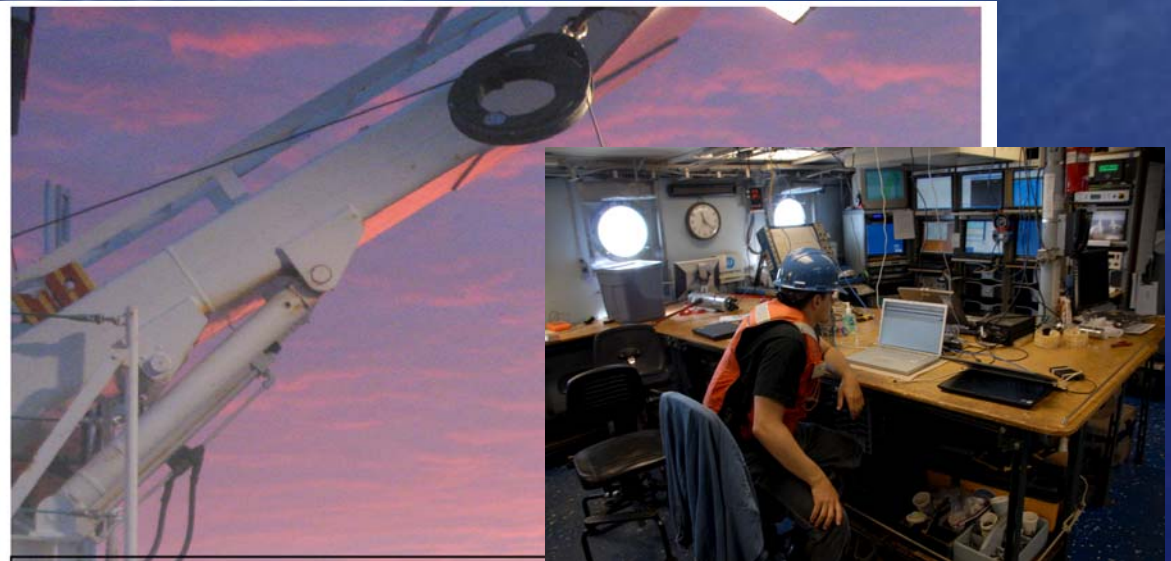


Harvest from UNOLS
scheduling database +
NSF award database.



Event Logger

- 2010: Developed and tested prototype ELOG- based application (v.1) on 5 cruises.
- 2011: Version 2 will incorporate user feedback + Web-based configuration generator.
- Ongoing vessel recruitment, testing, and vocabulary development.



R2R Cruise ID	Ship	Dates	Chief Scientist	Affiliation	Type of Cruise
OC462	R/V Oceanus	2010/05/20 to 2010/05/30	Chris Obenhaus	NOAA	DART Mooring
OC467	R/V Oceanus	2010/07/29 to 2010/08/02	Dennis McGillicuddy	WHOI	CTD/Floats
OC468-02	R/V Oceanus	2010/08/21 to 2010/09/02	Joseph Montoya	GIT	CTD/MOC
EN484	R/V Endeavor	2010/10/01 to 2010/10/22	Gareth Lawson	WHOI	CTD/MOC
EN487	R/V Endeavor	2010/10/27 to 2010/11/05	Gareth Lawson	WHOI	CTD/MOC

SAMOS / Real-time



2010 Development

- Focus group (OSU, URI, FSU, LDEO) drafted real-time metadata and data transfer protocol; provided sample files.

Current vessels

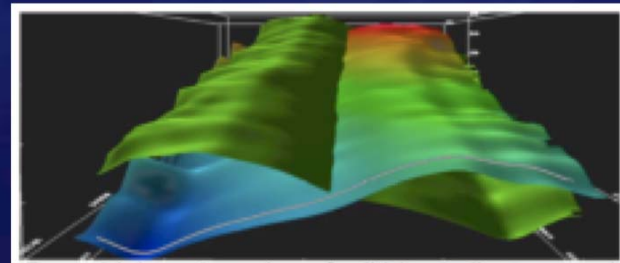
- UNOLS: *Atlantis*, *Knorr*, *Oceanus*, *Atlantic Explorer*, *Kilo Moana*
- Other: NOAA (17), USCG (*Healy*, *Polar Sea*), RPSC (*Palmer*, *Gould*), Australia (2)

Feedback

- Finalize vessel coordinate system metadata spec.
- Consider developing software package for installation on vessels.

Geophysical Data

- Draft quality assessment (QA) criteria and minimal+optimal metadata requirements for multibeam data; vet with community.
- Move to routine production of “final navigation” products.
- Develop standard data reduction (DR) routines for gravity and magnetics.



NOAA Collaboration



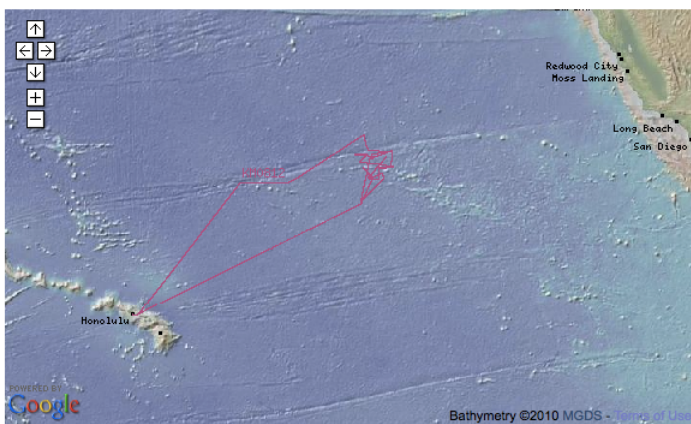
- Working with NODC to establish submission protocols (parallel to NGDC) – ADCP priority.
- Jointly developing standard (ISO 19115) metadata templates.
- “NOAA R2R” kickoff meeting July 2010 – established Working Group, targeted shared vocabularies.





NODC Archiving

Cruise Catalog: KM0812



Operator: University of Hawaii
Vessel: Kilo Moana

Cruise ID	Start Date	Start Port	End Date	End Port
KM0812	2008-07-01	Honolulu	2008-07-22	Honolulu
Details				
Project: North Pacific Subtropical Gyre (NPSG) Silica Cycling				
SCIENCE PARTY				
Brzezinski, Mark Scientist, Chief University of California, Santa Barbara				
FILE SETS				
Device Type	Make [,Model [,Location]]	Files	Repository	
adcp	RD1 OS-38	List	NODC	Download
adcp	RD1 WM-300	List	NODC	Download
multibeam	Kongsberg EM1002	List		
multibeam	Kongsberg EM120	List		

ADCP data > NODC Ocean Archive System (OAS)

prd OAS accession Detail for accessions_id 0067826

http://www.nodc.noaa.gov/cgi-bin/OAS/prd/accession/details/67826

NOAA NATIONAL OCEANOGRAPHIC DATA CENTER (NODC) UNITED STATES DEPARTMENT OF COMMERCE

You are here: NODC Home > Access Data > Ocean Archive System > accessions_id: 67826

The Ocean Archive System searches our original datasets as they were submitted to us, not individual points or profiles. If you want to search and retrieve ocean profiles in a common format, or objectively analyzed fields, your better option may be to use one of our project applications. See: [Access Data](#)

OAS accession Detail for accessions_id 0067826

Archive Search | People | Projects | Institutions | Platforms | Seenames | Datatypes | Instruments | Observations | Need Help?

Preferences | Reports | Search | Download

<< previous | meta_version: 4

Accession: 0067826

accessions_id:	0067826 archive
Title:	Ocean current data from ADCP aboard the KILO MOANA in the Pacific Ocean from 2008-06-30 to 2008-07-21 (NODC Accession 0067826)
Abstract:	
Date received:	20101008
Start date:	20080630
End date:	20080721
Seenames:	North Pacific Ocean
West boundary:	-157.98364
East boundary:	-138.73962
North boundary:	32.9993
South boundary:	21.20459
Observation types:	current measurements, navigational, physical, underway
Instrument types:	GPS, current meter - ADCP, echo sounder, gyrocompass
Datatypes:	CURRENT SPEED - EAST/WEST COMPONENT (U), CURRENT SPEED - NORTH/SOUTH COMPONENT (V)
Submitter:	Arko, Robert A.
Submitting Institution:	LDEQ
Collecting Institutions:	UHM
Contributing projects:	R2R
Platforms:	KILO MOANA
Number of observations:	
Supplementary information:	The data were collected during the cruise(s) listed below: KM-08-12 For information on ADCP processing, go to http://currents.soest.hawaii.edu/docs/adcp_doc/ .
Availability date:	
NODC contact:	Paver, Christopher
Metadata level:	green
Metadata version:	4
Keyer:	Paver, Christopher
Keydate:	2010-10-13 14:08:31+00
Editor:	Rutz, Steven
Editdate:	2010-11-12 20:31:06+00

Access Data - Submit Data - Site Map - Intended Use of the Data? - Online Store - Customer Service

Last modified: Dept. of Commerce - NOAA - NESDIS - NODC

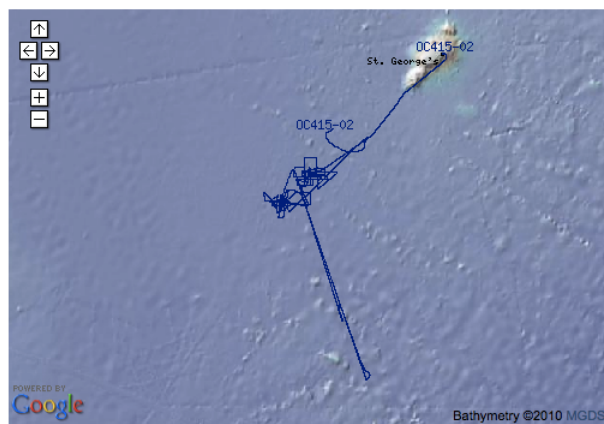
* External link: You will be leaving the Federal Government by following an external link.

NODC.Webmaster@noaa.gov
Privacy Policy - Disclaimer - Information Quality
Freedom of Information Act (FOIA)
USA.gov - The U.S. Government's Web Portal



Reciprocal Linking

Cruise Catalog: OC415-02



Operator: Woods Hole Oceanographic Institution
Vessel: Oceanus

Cruise ID	Start Date	Start Port	End Date	End Port
Details				
OC415-02	2005-07-18	St. George's	2005-08-04	St. George's
Inventory	Project: Eddies Dynamics, Mixing, Export, and Species (EDDIES) (Info i)			
	■ SCIENCE PARTY			
	Ledwell, James	Scientist, Chief	Woods Hole Oceanographic Institution	
	■ RELATED DATA			
	Biological and Chemical Oceanography Data Management Office (Info i)			Data i

[Home](#)
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[About Us](#)
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Database

- Welcome
- Programs 16
- Projects 130
- Deployments 799
- Instruments 199
- Datasets 4032
- People 1039
- Affiliations 227
- Funding 34
- Parameters 1097

Data Access

- Geospatial access

Platform deployment: OC415-02

Platform: R/V Oceanus
 Project: Eddies Dynamics, Mixing, Export, and Species composition (EDDIES)
 Type: vessel
 Deployment: OC415-02
 Synonyms: OC415-2, OC415_T1, EDDIES 2005 Tracer 1
 Coordinated deployments: None
 Start date: 7/18/2005
 End date: 8/4/2005
 Location: Sargasso Sea
Locations table:
[List](#)

Deployment report: None

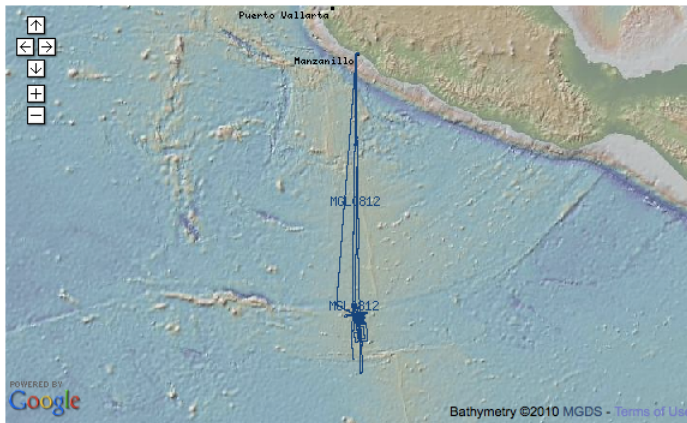
Description
 EDDIES project 2005 Tracer 1 cruise
 Funded by: NSF OCE-0241310
 Original cruise data are available from the » [NSF R2R data catalog](#)

Datasets associated with this platform deployment
People associated with this platform deployment

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 Funded by the U.S. National Science Foundation

Reciprocal Linking (cont.)

Cruise Catalog: MGL0812



Operator: Lamont-Doherty Earth Observatory
Vessel: Marcus G. Langseth

Cruise ID	Start Date	Start Port	End Date	End Port
	Details			
MGL0812	2008-06-29	Manzanillo	2008-08-21	Manzanillo
Inventory	Project: 3-D/4-D Seismic Imaging of the Magmatic-Hydrothermal System at East Pacific Rise 9-50°N (Info Info)			
	SCIENCE PARTY			
	Mutter, John	Scientist, Chief	Lamont-Doherty Earth Observatory	
	Canales, Juan Pablo	Scientist, Co-Chief	Woods Hole Oceanographic Institution	
	Carbotte, Suzanne	Scientist, Co-Chief	Lamont-Doherty Earth Observatory	
	Nedimovic, Mladen	Scientist, Co-Chief	Dalhousie University	
	RELATED DATA			
	Academic Seismic Portal at LDEO (Info Info)			Data Data
	Marine Geoscience Data System (Info Info)			Data Data

MARINE GEOSCIENCE DATA SYSTEM
Search for Data

Home About Tools & Services Data Portals Partners Contribute Data Education

MGL0812 MGDS Seismic Field Data

Click on active hypertext links to access data or metadata.

Seismic Meta Data

[Seismic Acquisition Parameters](#)
[Seismic Line Information \(MCS\)](#)

Seismic Field Data

[Seismic SEG D Data](#)
 No LDEO Seismic shot time logs currently online.
[UKOQA - P190 Navigation Data \(Unprocessed\)](#)
[UKOQA - P190 Navigation Data \(Processed\)](#)
[UKOQA - P294 Acquisition Data](#)

Other Related Data

Cruise Information at Other Repositories

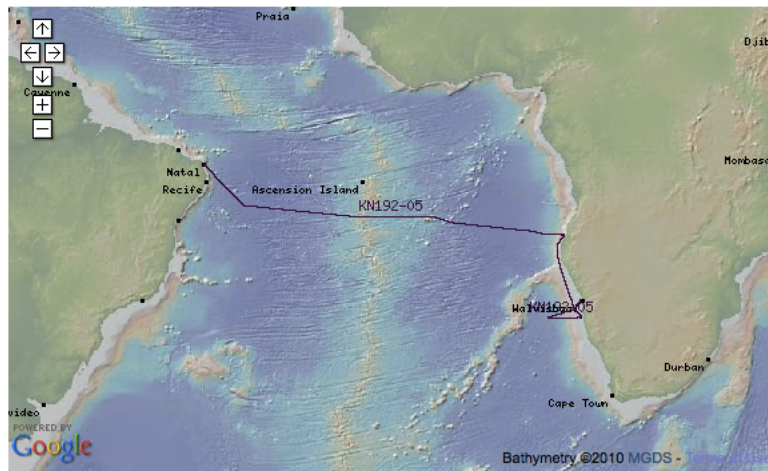
[Rolling Deck to Repository \(R2R\) \[Data\]\(#\)](#)

Attachments

- [Log:MCS Observer Watch \(PDF\)](#)
- [Log:Navigation Watch \(PDF\)](#)
- [Log:Daily Field \(PDF\)](#)
- [Log:MCS Navigation Processing \(PDF\)](#)
- [Report:Science:Appendices \(PDF\)](#)
- [Report:Science:Cruise \(PDF\)](#)
- [Report:Technical:MCS Tow Offset Configuration \(PDF\)](#)
- [Report:Technical:MCS Job Book \(PDF\)](#)
- [Report:Technical:Sequence Summary \(PDF\)](#)
- [Report:Technical:Data Collection Summary \(PDF\)](#)

Reciprocal Linking (cont.)

Cruise Catalog: KN192-05



Operator: Woods Hole Oceanographic Institution

Vessel: Knorr

Cruise ID	Start Date	Start Port	End Date	End Port
Details				
KN192-05	2007-11-16	Natal	2007-12-13	Walvisbaai
Inventory	Project: Interactions of Cobalt and Iron with in situ Cyanobacterial Physiology in the South Atlantic			
SCIENCE PARTY				
Salto, Mak		Scientist, Chief	Woods Hole Oceanographic Institution	
RELATED DATA				
Shipboard Automated Meteorological and Oceanographic System (Info Info)				Data Data

[About](#) [Accuracy](#) [Data Access](#) [Literature](#) [Ship Recruiting](#) [Tools & Utilities](#) [Training](#) [Workshops](#)



SAMOS
Shipboard Automated Meteorological and Oceanographic System

Data Availability

The purpose of this page is to allow the user to get a rough idea of the quality of data for a particular day and ship. In some cases multiple files may exist for a single day and ship. In these cases quality is calculated for the overall day, meaning an overall quality for the pieces as a whole are calculated. To see the quality of each piece individually click on the colored box aligning the ship and day desired.

For more information on cruise KN192-05 you can visit the [Rolling Deck to Repository page](#).

 Good Data (0-5% flagged as suspect)  Use with Caution (5-10% flagged as suspect)
 Use with Caution (>10% flagged as suspect)  No Data Available

	KN192-05
11/16/2007	
11/17/2007	
11/18/2007	
11/19/2007	
11/20/2007	
11/21/2007	
11/22/2007	
11/23/2007	

Directory Structure (current draft)

cruise-id/

reports/ – personnel list, operations summary, etc.

r2r/

eventlogs/ – produced by, and/or formatted for, R2R Event Logger

devicetype[*[make][model]*][*location*]/ e.g. *adcp*, *ctd*, *multibeam*, *subbottom*, *xbt*,...

docs/ – manuals, photos, calibration sheets, etc.

raw/

proc/

(where *devicetype* is a standalone system that logs independently)

system/ e.g. *uhdas*, *scs*, *calliope*, *lds*, *chud*, *midas*, *sms*, *suds*, *udas*, *vids*,...

docs/

raw/

devicetype[*[make][model]*][*location*][*mnemonic*]-*dateTtimeZ* (file)

proc/

(where *system* is a serial multiplexing/timetagging acquisition system, and *mnemonic* allows further differentiation of files)

science/ – “dropbox” for files created by science party

photos/ – intended for public release



The PII Issue

Problem: Cruise distros may contain Personally Identifiable Information (PII).

Interim Fix: Distros transmitted to NOAA via secure network connection and stored in segregated space.

Solution: Operators exclude “Sensitive” PII from distros.

SENSITIVE

- Social Security Number (even truncated to last 4)
- Place of birth
- Date of birth
- Mother's maiden name
- Biometric information
- Medical information, except brief references to work absences
- Personal financial information
- Credit card or purchase card account numbers
- Passport numbers
- Potentially sensitive employment information
- Criminal history
- • Any information that may stigmatize an individual

NON-SENSITIVE

- Work, home and cell phone numbers
- Work and home addresses
- Work and personal e-mail addresses
- Resumes where SSN is redacted
- General background information about individuals found in resumes+biographies
- Positions and performance plans

Full description:

<http://ocio.os.doc.gov/>

2011 Goals

1. Revise and extend “vessel profiles” to include –
 - Device subcomponents (e.g. CTD)
 - File formats
 - Data types
 - Installation date
 - Vessel reference frame
2. Event Logger and SAMOS/Real-time development goals.
3. Deploy standard cruise directory structure on pilot vessels –
Wecoma
Endeavor

