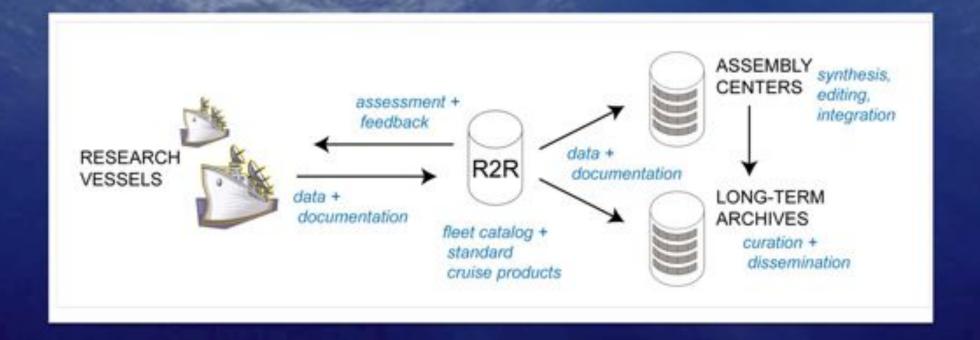


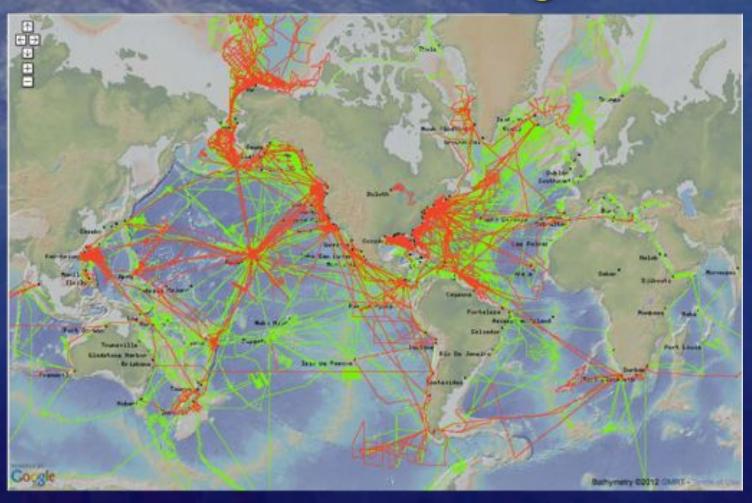
Program Overview



Cruise Catalog

	Nov. 2011	Feb. 2013
# Active-Service Vessels	26	24
# Cruises	2,217	3,156
# Files Preserved	8.7+ million	13.2+ million
# Datasets / Submitted to NOAA Archives	638	8,657 / 2,306

Cruise Catalog



___ 1,677 New cruises since 01/2009 (R2R pilot)

 1,479 Additional / pre-2009 cruises submitted by operators or cross-decked from other databases (LDEO, SIO, WHOI)

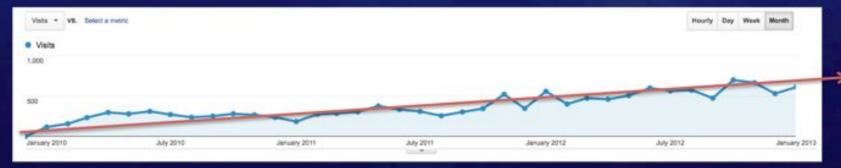
3,156 Total

Site Traffic

Distribution (105 countries)



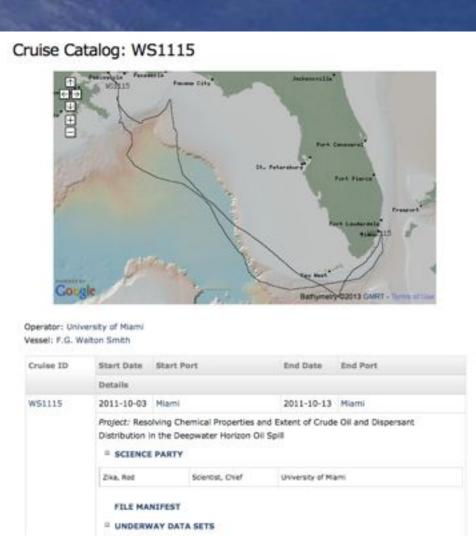
Monthly Unique Visits (since 01/2010)





Data Products

- Clean shiptrack navigation (1,171 cruises to date – all vessels)
 - Best resolution
 - 1min resolution
 - Control point geometry
- Gravity (74 cruises to date)
 and Magnetics (in final
 review) residual anomalies



R2R PRODUCTS

Nevigation: Best Resolution

Navigation: IMin Resolution

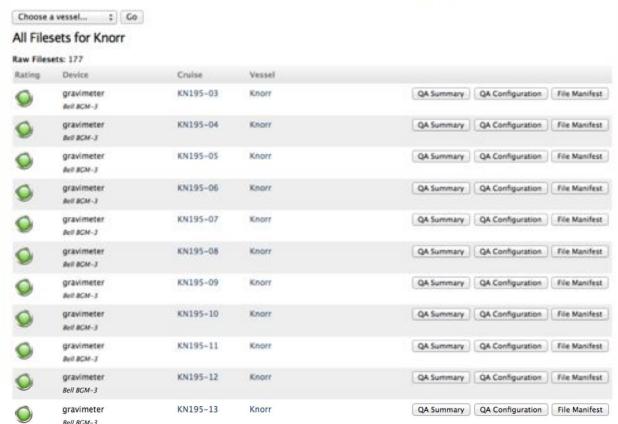
Nevigation: Control Points



Quality Assessment

R2R QA Dashboard

This dashboard provides information about Quality Assessment (QA) tests performed by R2R. R2R QA is performed on data files as originally delivered from vessels, with the primary goal of identifying suspicious data which may indicate sensor problems. R2R QA also identifies whether or not sufficient information is available for downstream use of data. This dashboard shows the output of our initial implementation of QA tests, including thresholds and results, and may be revised based on ongoing developments. We welcome your input: please contact us HERE



In production:

- Navigation
- MET/TSG
- Multibeam
- Gravity
- Magnetics

In development:

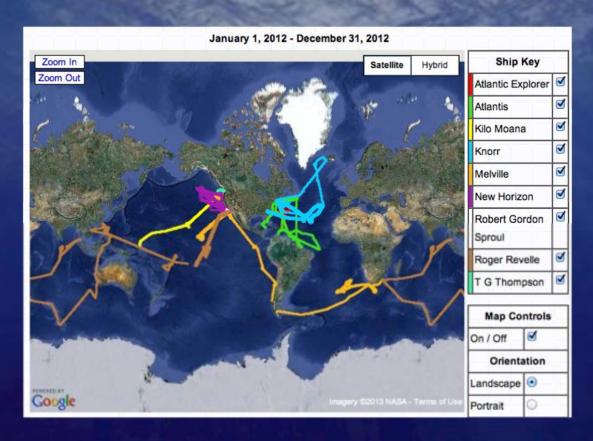
- ADCP
- CTD
- Singlebeam

(Web display of QA results and details.)



Real-time MET/TSG





MET/TSG for 1 January - 31 December 2012

- 10 university vessels recruited to SAMOS
 - Daily automated quality control
 - Data archived monthly at NODC
- Endeavor first to use new SAMOS 2.0 protocol
- Prototype R2R quality assessment report
- Data quality subscription service available



Event Logger

Deployed on 40 Cruises (12 Ships/Sites) to date.

2012 Cruises:

AE1211	David Black (SUNY)	BaRFlux
AT19	Craig Lee (UW)	LATMIX2 Multi-Ship
EN502	Cindy Lee (UW)	CTD
EN513	David Black (SUNY)	BaRFlux
EN520	David Black (SUNY)	BaRFlux
KN205	Jody Klymak (UVic)	LATMIX2 Multi-Ship
KN207-01	Benjamin Van Mooy (WHOI)	CTD, Sed Traps
KN207-02	Charles Langmuir (Harvard)	MAR Rocks
KN207-03	Kay Bidle (Rutgers)	CTD
KN208	John Toole (WHI)	Moorings
KN209-01	Ray Schmitt (WHOI)	Jason
MGL1211	Suzanne Carbotte (LDEO)	Cascadia Multi-Ship
MV1206	Anne Trehu (OSU)	OBS
OC1206A	Juan Pablo Canales (WHOI)	Cascadia Multi-Ship
OC1209A	Anne Trehu (OSU)	OBS
RA12003	Seth Ackerman (USGS)	WHSC
TN274	Doug Wiens (WUStL)	OBS/OBH
TN286	(rescheduled)	OOI



Event Logger (co

Verson 2.0 Timeline

Now – gather shipboard network information from operators to configure DreamPlug (embedded Linux) servers

March 2013 – deliver DreamPlug units to RVTEC "technical advisors" for beta testing

March-April 2013 – beta testing

May-December 2013 – deployment of DreamPlugs and Version 2.0 Event Logger to vessels/operators that request it





Ship Visits



02/2012 Atlantis, Knorr

05/ 2012 Thompson, Barnes

07/ 2012 Point Sur

07/ 2012 (Falkor)

08/ 2012 Walton Smith

02/ 2013 Kilo Moana

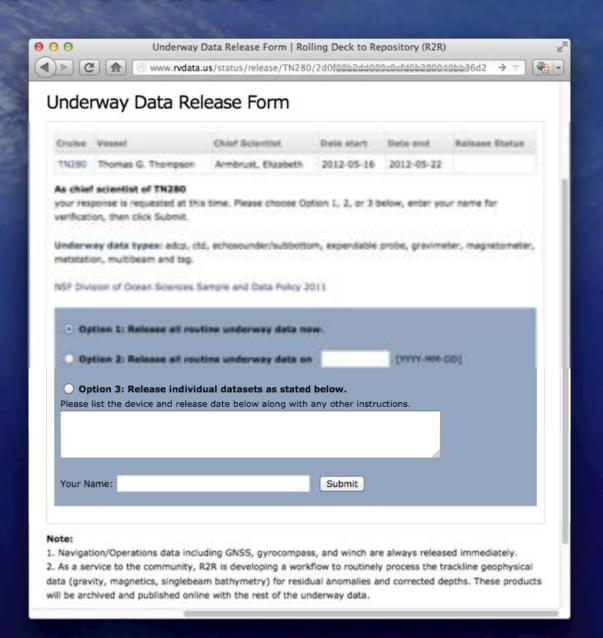


Data Releases

 R2R requests release from Chief Scientist (or Operator, for transits) asap after cruise ends.

No more default 2-year hold.

 95%+ to date respond "release everything".





Cruise Distros



- Continue work toward fleet-standard cruise data directory structure. (4 vessels, to date.)
- Developing Web form to simplify maintenance ie. notify R2R when your vessel's directory structure changes.



Community/Impact



- Hosted "Science at Sea" session at 2012 AGU Fall Meeting with 30+ presentations on innovative results from R/Vs
- Hosted R2R Advisory Panel meeting (Dec 2012) at LDEO, seeking feedback from seagoing scientists
- Joined Ocean Data Interoperability Platform (ODIP) project to increase data sharing/interoperability with Europe and Australia





Looking Ahead

- Cont. recruiting vessels to fleet-standard directory structure, and align with new UNOLS Equipment Inventory.
- Try new approach to capture cruise personnel manifests from marine supers.
- Work with Sikuliaq as opportunity to update (and document)
 R2R procedures and best practices.



