



**Dr. Bill Johns: OSNAP**

Pre-Cruise Conference Call: 5/19/14

Agenda Items

**Mission Objectives:**

This research is part of the U.S. led "Overturning in the Subpolar North Atlantic Program (OSNAP), an effort to determine the strength of the meridional overturning circulation and associated heat and freshwater fluxes in the subpolar North Atlantic. It is a collaborative program with scientists from several nations, including the U.K., the Netherlands, Germany, France, and Canada. Scientists from the U.S., the U.K., and the Netherlands will participate in this cruise.

The specific objectives of this cruise are as follows:

1. To deploy 20 current meter and sound source moorings along a line from west of the Reykjanes Ridge to the coast of Scotland.
2. To conduct standard CTD (Conductivity-Temperature-Depth) and Lowered ADCP (Acoustic Doppler Current Profiler) stations at selected sites along the same mooring line.
3. To launch an array of acoustically tracked RAFOS floats at a number of sites near the mooring line.

**Science Activities**

In addition to the above, limited Seabeam surveying will be done to help site moorings along the eastern flank of the Reykjanes Ridge, between 58-59 deg N and 28-31 deg W.

**Agenda Items:**

1. Bill Johns: Chief Scientist  
RSMAS, University of Miami
2. 4600 Rickenbacker Causeway Miami, FL USA 33149  
+1 305 421 4054
3. Identify operating area:  
North Atlantic range: 58-60deg N and 9-34deg W.  
Lat/Lon: 58° 0.0' N / 33° 0.0' W  
Depth Range: 1200 / 3500

4. Voyage Info:
- NUMBER: KN220-2

Mob: 02 Jul 2014

Dep: 04 Jul 2014

Arr: 30 Jul 2014

DeMob: 31 Jul 2014

5. Schedule Notes:

- Science Personnel can move into their rooms July 02

6. Science party (size) : \_\_\_\_\_

### **Pre-cruise and Administrative:**

1. Financial responsibility: OOI Project Number
2. Personnel forms: Due: **June 4th** to kgrodzki@whoi.edu
3. Berthing Plan: Complete and remit to csmith@whoi.edu
4. Any Special Food Requirements? (Kosher, Allergy, Vegetarian, etc)

### **Instrumentation & Technician Support :**

**1. General Duties of Marine Technician :**

SSSG Technicians (WHOI SSSG) Robb Hagg, Amy Simoneau  
WHOI sssg techs do not stand watches. But are available 24/7 to train and to assist in operations\*.

**2. WHOI general use equipment required for cruise :**

**Shipboard Equipment**

Bathymetry System 12 kHz

ADCP 300 kHz

Bathymetry System 3.5 kHz

Multibeam

ARGOS RDF

Deionized Water System

Science Underway Seawater System

ADCP 75 kHz

**CTD**

911+ Rosette 24-position, 10-liter bottle Rosette with dual T/C sensors  
SBE43 oxygen sensor  
Wet Labs FLNTURTD Combination Fluorometer and Turbidity Sensor  
Lowered Acoustic Doppler Current Profiler (LADCP)

**Hydrographic Analysis Equipment**

Salinometer  
Salt Bottles (2 cases of 125 ml provided)

**Winches**

CTD Winch with .322" Electro-mechanical wire  
**Winch Notes:** Science party will be supplying LEBUS mooring winch system

**Vans:**

- x1 Ragtop storage

**Ship [Other Requirements][Shipboard Equipment/Nav] :**

1. Science/Ship Operations :
  - a. Instrument Deployment / Recovery Procedures:
  - b. Over boarding Equipment (ISM)
  - c. Vans: 1
  - d. Night Operations: Yes
2. Deck Safety – Safety Shoes
3. Lab Safety – PPE
4. Hazardous Material: no  
Please Submit MSDS electronically to csmith@whoi.edu and provide 3 hard copies of each MSDS to the Knorr's Chief Mate.
5. Policies: (speed, departure/arrival times, moving aboard, etc.)  
11kts
6. Communication (voice, fax, e-mail, Blog)

**Logistics [Notes]**

1. Shipping gear to and from vessel  
Load list
  - a. US Customs (forms and AMS): YES  
Customs form 4455 Due June 12<sup>th</sup> 2014  
remit to csmith@whoi.edu

- b. Berthing plan:  
32 bunks available.
  
- c. Use of ship's agent or local facilities  
WHOI Agent: Chad Smith

Iceland Agent: Johann Bogason  
Direct line: 011 354 856 0701  
Email: [johann@tvq.is](mailto:johann@tvq.is)

### **Post-Cruise:**

1. Actions departing ship (Clean rooms, remove items from chemical van)
2. UNOLS cruise evaluation [Chief Scientist & Master]
3. Reports to foreign government/State Department [required for work in EEZs]
4. Data delivery [shipboard] USB Hard drive.
5. Data archiving policy  
All data on a WHOI Cruise Data Distribution (which includes all underway data) will, by default be considered publicly available once a copy of it has been delivered to the chief scientist at the end of the cruise. Please review the [Cruise Assignment of Data Access Protection](#)

As of January 1, 2011, the default treatment for underway data from Woods Hole Oceanographic Institution (WHOI) research vessels is:

1. Cruise data files are copied by a WHOI SSSG Technician to the distribution media. One copy is delivered to the cruise Chief Scientist, the other is delivered to WHOI's Data Library and Archives. Please note that the distribution of cruise data to other scientist is the responsibility of the Chief Scientist.
2. The **default** access status for the cruise instrument datasets is that they will be immediately accessible by the public. If something other than this default protection is desired, the Chief Scientist must assign alternate protection as indicated below. For cruises funded by the National Science Foundation ,the maximum protection is two years, for non-NFS cruises, other guidelines may apply.
3. WHOI maintains a local copy of the cruise shipboard data distribution at its Data Library and Archives, which also honors access moratorium periods. If the cruise Chief Scientist wishes to modify the data protection assignments made in this pre-cruise document upon cruise completion, they should contact the WHOI Data Library and Archives at [dla@whoi.edu](mailto:dla@whoi.edu), or the SSSG Data Manager at [sssgdatamgr@whoi.edu](mailto:sssgdatamgr@whoi.edu)