

## **AR07-02 OSNAP West – R/V Neil Armstrong**

Pre-Cruise Meeting 6/22/16

Location: SSSG Conference Room, 3<sup>rd</sup> Floor Smith Laboratory

Agenda Items



### **Mission Objectives:**

This research is part of the 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, Canada and China. Scientists from the U.S., the U.K., and China will participate in this cruise.

The specific objectives of this cruise are as follows:

1. To deploy 25 current meter and sound source moorings in the southern Labrador Sea and southwest Irminger Sea.
2. To conduct CTD/LADCP transects in combination with the vessel-mounted ADCP.
3. To launch acoustically tracked RAFOS floats at a number of sites near the mooring line

### **Science Activities**

In addition to the above, Seabeam surveying will be done to help site moorings along the west Greenland shelf/slope and the east Greenland shelf/slope

### **Agenda Items:**

1. Chief Scientist & Principal Investigator:

Robert Pickart: Chief Scientist,  
Woods Hole Oceanographic Institution  
Clark 359B, MS#21  
Woods Hole, Ma. USA 02543  
1 508 289 2858  
[rpickart@whoi.edu](mailto:rpickart@whoi.edu)

2. Identify operating area:

International Waters, North Atlantic

**Station Coordinates?**

\*Any waypoints or stations East of Iceland planned?

### 3. Voyage Info:

#### **AR07-2**

Mob: 31 Jul 2016

Dep: 03 Aug 2016 Reykjavik, Iceland

Arr: 08 Sep 2016 St. Johns, Newfoundland

DeMob 09 Sep 2016

### 4. Schedule Notes:

- Science Personnel can move into their rooms August 1st
- Science May stay aboard September 8<sup>th</sup> and 9<sup>th</sup>.

### 5. Science party (size): **XX?**

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

1. Financial responsibility: Please supply Project number for port expenses
2. Personnel forms: Due: July 3<sup>rd</sup> to [kgrodzki@whoi.edu](mailto:kgrodzki@whoi.edu) Personnel forms contain personal information about the cruise participants and should be treated in a confidential manner.
3. Berthing Plan: Complete and remit to [csmith@whoi.edu](mailto:csmith@whoi.edu) one week prior to departure
4. Any Special Food Requirements? (Kosher, Allergy, Vegetarian, etc)

## **Instrumentation & Technician Support :**

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

SSSG Technicians (WHOI SSSG) TBD

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**

- 12 kHz Pinger for Wire Use
- ADCP 300 kHz
- ADCP 75 kHz
- Bathymetry System 3.5 kHz
- Deionized Water System
- Multibeam
- Science Underway Seawater System

#### **Shipboard Communication**

- Basic Internet access via HiSeasNet

#### **CTD/Water Sampling**

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

#### **Hydrographic Analysis Equipment**

- Salinometer
- Salt Bottles (2 cases of 125 ml provided)

#### **MET Sensors**

- Barometric Pressure
- Air temperature
- Precipitation
- Relative Humidity
- Wind speed and direction
- Short Wave Solar Radiation

#### **Winches**

- CTD Winch with .322" Electro-mechanical wire
- Winch Notes: TSE Mooring Winch (Trask)

#### **Shipboard Administrative Items:**

1. Science/Ship Operations :
  - a. Instrument Deployment / Recovery Procedures:
  - b. Over boarding Equipment (ISM)
  - c. Vans: 0
  - d. Night Operations: Yes
  - e. Small Boat Operations: no
2. Deck Safety – Safety Shoes
3. Lab Safety – PPE
4. Hazardous Material: Yes
  - Lithium batteries for LADCPs
  - O2 Titrator and Salt chems.

Please Submit MSDS electronically to csmith@whoi.edu and provide 3 hard copies of each MSDS to the 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. Customs 4455 Forms due **June 25th**
  - b. Berthing plan:  
22 bunks available
  - c. Use of ship's agent or local facilities

Shipping Address:

### **Woods Hole**

Master: RV Neil Armstrong  
Attention: Dr. Robert Pickart  
WHOI  
266 Woods Hole Rd  
Woods Hole, MA 02543

Ship's Agent:  
Chad Smith, WHOI  
csmith@whoi.edu  
Office: 508-289-3811  
Cell: 617-999-4163

### **Iceland:**

Master R/V Neil Armstrong  
Attn: Dr. Robert Pickart  
c/o TVG-Zimsen ehf  
Korngardar 2  
104 Reykjavik  
Iceland

Ship's Agent:  
Jóhann Bogason, TVG-Zimsen  
Email: Johann@gara.is  
Phone: 011 354 560 0700  
Fax: 011 354 5600 780

### **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)