



AR20 Dr. Rocky Geyer "USRS" R/V Neil Armstrong

1000 on Wednesday March 22nd 2017:
SSSG Conference Table, 3rd floor Smith Building
Agenda Items

Mission Objectives:

Autonomous underwater vehicle operations to resolve the spatial structure of fronts and other hydrodynamic features in the estuary and plume of the Connecticut River

Science Activities

- Deployment of autonomous vehicles near the mouth of the Connecticut River (daytime ops)
- Hydrographic measurements (CTD) in Long Island Sound near the mouth of the Connecticut River
- Sediment coring in Long Island Sound near the mouth of the Connecticut River (night-time ops).
- Small Boat Operations and at sea transfers.

Agenda Items:

1. Chief Scientist Contact Info:

W. Geyer: Chief Scientist, Principal Investigator
Woods Hole Oceanographic Institution Bigelow 208, MS#11 Woods Hole, Ma. USA 02543
+1 508 289 2868
rgeyer@whoi.edu

2. Identify operating area:

Eastern Long Island Sound
Lat/Lon: 41° 15.6' N / 70° 20.9' W
Depth Range: 6 m / 35 m

3. Voyage Info:

Cruise Number: AR20

Mob: 22 Jun 2017
Dep: 24 Jun 2017* Woods Hole
Arr: 30 Jun 2017 Woods Hole
DeMob: 01 Jul 2017

*Chief Scientist Requests moving the departure up by 1 day (to June 23rd).

4. Schedule Notes:

- Science Personnel can move into their rooms May 23rd (22nd if Departure is moved up)

5. Science party (size) : XX 22 Max

Pre-cruise and Administrative:

1. Financial responsibility: Please supply a WHOI Project Number for mobilization costs.
2. Personnel forms: Due: **May 24th** to kray@whoi.edu
*Cruise forms are to be kept confidential as they contain personal information.
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) x2, Individuals

WHOI sssg techs do not stand watches. But are available 24/7 to train and to assist in operations or train science party members.

Shipboard Equipment

A-Frame

ADCP 300 kHz

Crane

EK80 Sonar

EM710 MkII (40 to 100 kHz) Multibeam Echosounder

Science Underway Seawater System

CTD/Water Sampling

911+ Rosette 24-position, 10-liter bottle Rosette with dual T/C sensors

Biospherical underwater PAR (1000m depth limit) with reference Surface PAR

SBE43 oxygen sensor

Seapoint STM turbidity sensor

Wet Labs C*Star transmissometer (660nm wavelength)

Wet Labs ECO-AFL fluorometer

Wet Labs FLNTURTD Combination Fluorometer and Turbidity Sensor

MET Sensors

Air temperature

Barometric Pressure

Long Wave Solar Radiation

Precipitation

Relative Humidity

Short Wave Solar Radiation

Wind speed and direction

Sediment Sampling

Box corer
Van Veen Grab

Sample Storage

Scientific Walk-in Refrigerator

Wire use and application

CTD Winch with .322" Electro-mechanical wire

Over the Side Equipment

Details: handling equipment for REMUS 100 and 600 and IVER AUV. Andy Girard will supply.

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

1. Science/Ship Operations :
 - a. Instrument Deployment / Recovery Procedures
 - b. Vans: ?
 - c. 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 chmate@armstrong.whoi.edu .
Indicate your cruise number in the subject line.

5. Policies: (speed, departure/arrival times, moving aboard, etc.)
11kts

Logistics [Notes]

1. Shipping gear to and from vessel
Load list
 - a. No Customs
 - b. Berthing plan:
22 bunks available for the science party
 - c. Use of ship's agent or local facilities

Shipping Address:

Master R/V Neil Armstrong
Attn: Dr. Rocky Geyer
Woods Hole Oceanographic Institution
266 Woods Hole Rd
Woods Hole, MA
02543

Ship's Agent:

Chad Smith
Cell: 617-999-4163
Office: 508-289-3811
csmith@whoi.edu

Post-Cruise:

1. Actions departing ship (Clean rooms, remove items from the ship)
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, or the SSSG Data Manager at sssgdatamgr@whoi.edu