

***** STS/ODF-/SEG EQUIPMENT REQUEST **08NHsend*****

Requestor: Gabriella Chavez Email: gchavez@ucsd.edu
 Institution: Scripps Institution Of Oceanography
 Address: La Jolla, UCSD, CA
 P.I. Name: Uwe Send
 Phone: 822-6710 Email: usend@ucsd.edu
 SHIP: NEW HORIZON STS/ODF-/SEG POC: Robert Thombly
 SIO SHIP DESIGNATION: NH1010
 DATES: 30 August 2010 - 03 September 2010
 PORTS: San Diego - San Diego

STS/ODF-/SEG PERSONNEL REQUIRED: 2 Research Technicians

Casts: 4 casts with 12 bottles giving 48 oxygen, salinity and nutrient samples

CTD SBE system with acquisition computer, SeaBird programs:

Sea-Bird SEASAVE for Windows

Sea-Bird Data Processing programs Windows based.

Sea-Bird Data Processing Manual

Sea-Bird Data Acquisition Manual

Current calibrations entered into the *.con file

Calibration sheets, copy, and pdf files

Calibrations, temperature and conductivity ~4 months

Calibrations, oxygen performed ~6 months

Calibrations, pressure performed ~once a year

Computer with keyboard/mouse/color monitor

EQUIPMENT REQUIRED:

1 each	CTD, Sea-Bird	911plus	09P21561-0569
	w/Pressure sensor	401K-105	75672
	sensors included:		
3 each	Temperature Sensor, Sea-Bird	SBE3Plus	034943
	Temperature Sensor, Sea-Bird	SBE3Plus	034907
	Temperature Sensor, Sea-Bird	SBE3Plus	035046
3 each	Conductivity Sensor, Sea-Bird	SBE4C	042765
	Conductivity Sensor, Sea-Bird	SBE4C	043058
	Conductivity Sensor, Sea-Bird	SBE4C	043207
3 each	Pump, Sea-Bird	SBE5T	51409
	Pump, Sea-Bird	SBE5T	52559
	Pump, Sea-Bird	SBE5T	54160
1 each	Deck Unit, Sea-Bird, V.2	SBE11	11P41717-0726
1 each	Altimeter, Benthos, 1-99.9m	PSA-916D	1055
2 each	Fluorometer, Seapoint, 6km	Chlorophyll	SCF3004
	Fluorometer, Seapoint, 6km	Chlorophyll	SCF2748
2 each	Oxygen sensor, Sea-Bird	SBE43	430255
	Oxygen sensor, Sea-Bird	SBE43	431071
1 each	Carousel, Sea-Bird Pylon 24-place	SBE32	3239801-0527
2 each	Adaptors for MCIL cable (Fluorometer and Altimeter)		
1 each	CTD cable spares kit		

ROSETTE:

1 each 12 place rosette (12/24 design)

14 each bottle (10 liter) includes 2 spares.

Nitrile (Buna-n) o-rings are installed on the bottles.

SHORE ANALYSIS-INDEX NUMBER TO BE PROVIDED:

For Chemical Supplies Information and Pick-Up date contact:

Dan Schuller dschuller@ucsd.edu

48 each Oxygen

48 each Salinity - They have their own salinity bottles
24 each Nutrients
2x 24-place o2 flasks
1x pickling rack with reagents (~500 mL each MnCl₂ and NaI/NaOH) in 1L amber
1x 48 Nutrient tubes with rack
Wheaton bottles
2x Wheaton dispensers (rinse with hot tap water after use)
1x Oakton draw temperature thermometer with batteries
1x 500 mL squirt bottle
1x safety glasses
1x partial box of M nitrile gloves
1x clipboard with sample drawing instructions and sample log sheet.
FORMS:
10 each CTD Station Sheets, 24-place

Additional Information:

SEE: <http://shipsked.ucsd.edu>

Shipping Details (Approx.Dates,etc.): N/A

All equipment is to be returned clean and assembled.

Overboard equipment must be rinsed with fresh water and dried.

STS CTD has the wet pluggable MCBH-6 connectors.

Be advised serial numbers may differ with actual setup.

Email from Gabriela Chavez (22 July 2010):

"We will ask to load August 25-27 so if we could stop by at the beginning of that week to pick up the sampling supplies, that would work for us."

Also, we want to request a small boat for the cruise."

Reply from Research Technician Keith Shaddle (26 July 2010):

"We have a small inflatable work boat, Avon, that is in good working order and can be available for your cruise. It can be placed on the fantail, port side. It does take up a good amount of deck space, about 17' x 6', but placed port side it does not extend into the A-frame footprint."

Taken by: Previous Expedition & email 22 July 2010

Request by: K. Sanborn, 26 July 2010

Copies to: Sutherland/Durkin/Joyce/Lockhart/Swift/Files(Administration);

Oceanographic Data Facility (all-at-odf@sts.ucsd.edu);

Research Technicians-Marine & Electronics (restech@ucsd.edu);

Ship Scheduling (shipsked@ucsd.edu);

Master NEW HORIZON (master@rv-newhorizon.ucsd.edu);

Captain Zoltan Kelety (zkelety@ucsd.edu)

** Notify Robert Thombley or Kristin Sanborn of additions or changes.

All other requests should be directed to Research Technicians.

email: ksanborn@ucsd.edu Telephone: (858) 534-1903

rthomble@ucsd.edu Telephone: (858) 534-1907