

***** STS/ODF-/SEG EQUIPMENT REQUEST ****06NH.seibel*****

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 SHIP: NEW HORIZON
 SIO CRUISE ID: NH1007
 DATES: 3-16 June 2010
 PORTS: Guaymas - Guaymas
 LOAD IN SAN DIEGO: 26 May 2010

STS/ODF-/SEG-RT PERSONNEL REQUIRED: 1 Research Technician

Casts: Sampling in upper 500 meters

Equipment Required:

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 are performed ~4 months

Calibrations, pressure and oxygen performed ~once a year

Computer with keyboard/mouse/color monitor

1 each	CTD, Sea-Bird	911plus	09P21561-0569
	w/Pressure sensor	401K-105	75672
	sensors included:		
3 each	Temperature Sensor, Sea-Bird	SBE3Plus	034308
	Temperature Sensor, Sea-Bird	SBE3Plus	034476
	Temperature Sensor, Sea-Bird	SBE3Plus	034486
3 each	Conductivity Sensor, Sea-Bird	SBE4C	041880
	Conductivity Sensor, Sea-Bird	SBE4C	043057
	Conductivity Sensor, Sea-Bird	SBE4C	043176
3 each	Pump, Sea-Bird	SBE5T	051409
	Pump, Sea-Bird	SBE5T	052559
	Pump, Sea-Bird	SBE5T	054160
1 each	Deck Unit, Sea-Bird, V.2	SBE11	11P41717-0726
1 each	Altimeter, Benthos, 1-99.9m	PSA-916D	1055
1 each	Oxygen sensor, Sea-Bird	SBE43	431138
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		
1 each	PAR Sensor, 1kM, Biospherical	QSP-200L	4506
1 each	PAR Sensor, Surface, Biospherical	QSR-240	6368

ROSETTE:

1 each 12/24 place rosette

14 each bottle (10 liter) includes 2 spares.

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

NOTE:

"We have small water needs so the smallest number and size go-flo bottles are fine."

Subsequent expedition requires 12 place 10 liter rosette.

NOT NEEDED, BUT NEEDED FOR SUBSEQUENT EXPEDITION:

1 each	Transmissometer, Wetlabs, 25cm	CSTAR	CST-493DR
2 each	Fluorometer, Seapoint, 6km	Chlorophyll SCF2748	
	Fluorometer, Seapoint, 6km	Chlorophyll SCF2964	

Additional Information:

"both CTD-mounted and mast-mounted irradiance cosine collectors
(6-channel or PAR).

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.

Be advised serial numbers may differ with actual setup.

STS CTD has the wet pluggable MCBH-6 connectors.

Taken by: email, 11 March 2010 Request by: K. Sanborn, 13 April 2010

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

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

Swift; Requestor/PI;

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

Ship Scheduling (shipsked@ucsd.edu);

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

Captain Zolton Kelety (zkelety@ucsd.edu)

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

All other requests should be directed to Research Technicians.

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