

***** STS/ODF-/SEG EQUIPMENT REQUEST **10NHberelson****

P.I.: William Berelson SIO Ship Designation: NH0914
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 Email: berelson@usc.edu STS/ODF-/SEG POC: Robert Thombley
 Additional Contact:
 Lynda Cutter <lcutter@usc.edu>
 Sergio Sanudo Wilhelmy <sanudo@usc.edu>
 SHIP: NEW HORIZON
 DATES: 14 October 2009 - 27 October 2009
 PORTS: Mazatlan to San Diego
 LOAD FOR CTD/ROSETTE prior to 3 October sailing date

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

Planning on ~10 casts down to a maximum depth of 1500 meters 2-4 meters of the bottom. (Safe distance to be maintained)

Equipment Required:

CTD SBE system with acquisition computer, Sea-Bird 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 performed ~once a year and oxygen ~6 months.

Computer with keyboard/mouse/color monitor

1 each	CTD, Sea-Bird	911plus	09P52161-0914
	w/Pressure sensor	401K-105	110547
3 each	Temperature Sensor, Sea-Bird	SBE3Plus	034308
	Temperature Sensor, Sea-Bird	SBE3Plus	034213
	Temperature Sensor, Sea-Bird	SBE3Plus	034486
3 each	Conductivity Sensor, Sea-Bird	SBE4C	042319
	Conductivity Sensor, Sea-Bird	SBE4C	042112
	Conductivity Sensor, Sea-Bird	SBE4C	043207
3 each	Pump, Sea-Bird	SBE5T	053343
	Pump, Sea-Bird	SBE5T	053376
	Pump, Sea-Bird	SBE5T	053342
1 each	Deck Unit, Sea-Bird, V.2	SBE11	11P41717-0726
1 each	Carousel, SeaBird 24-Place Pylon	SBE32	3252161-0699
1 each	Altimeter, Benthos, 1-99.9m	PSA-916D	41832
1 each	Transmissometer, WetLabs, 25cm	CSTAR	CST-493DR
1 each	Oxygen Sensor, Sea-Bird	SBE43	431071
2 each	Fluorometer, Seapoint, 6km	Chlorophyll	SCF2958
	Fluorometer, Seapoint, 6km	Chlorophyll	SCF3004
2 each	Adaptors for MCIL cable		

ROSETTE:

1 each 12/24 place rosette frame, only need 12 places

11 each 10 liter bottles (2 spares), 9 on the rosette

lanyard material, hose clamps, o-rings

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

Lead weights & hardware for rosette

NOTE: Cutter and Wilhelmy are purchasing 3 'clean' bottles to attach to the rosette.

EMAIL MESSAGE DATED 26 August from Berelson:

Hi, we will use 8-9 of your bottles and adapt 3-4 of our bottles to fit your

frame.

EMAIL MESSAGE DATED 27 August from Sergio Sañudo-Wilhelmy

We will only bring 3 TM clean niskin bottles

The rest of the samples/depths will be collected using your bottles.

FORMS: CTD Station sheets

Additional Information:

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

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

Be advised sensor serial numbers may differ.

STS CTD has the wet pluggable MCBH-6 connectors.

Taken by: Email, 25 August 2009

Request by: K. Sanborn, 26 August 2009

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)
NEW HORIZON Captain (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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