

Equipment Request

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

****12RRbalch*****

PI: Balch, William M.

Institution: Bigelow Laboratory for Ocean Sciences

Address: POB 475

W. Boothbay Harbor, ME 04575

Phone: 207-633-9600 Fax: 207-633-9641 Email: bbalch@bigelow.org

SHIP: REVELLE STS/ODF-/SEG POC: Scott Hiller

DATES: 4 December 2008 - 2 January 2009

PORTS: Montevideo to Punta Arenas, Chile

STS/ODF-/RT PERSONNEL REQUIRED: No: 1 Research Technician, 1 Computer Technician, 1 CTD Technician, 1 Chemist

Casts: 90 casts, 1350 salinity, 1100 oxygen and 1500 nutrient samples

Most stations to 500m, end of line 3500m.

Underway samples every 4 hours, salinity samples included in count

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 IBM

2 each CTD, Sea-Bird 911plus 09P37218-0777

w/Pressure sensor 401K-105 88907 OB

CTD, Sea-Bird 911plus 09P41717-0831

w/Pressure sensor 401K-105 99677

4 each Temperature Sensor, Sea-Bird SBE3Plus 34209 OB

Temperature Sensor, Sea-Bird SBE3Plus 34588 OB

Temperature Sensor, Sea-Bird SBE3Plus 34924 OB

Temperature Sensor, Sea-Bird SBE3Plus 32165

4 each Conductivity Sensor, Sea-Bird SBE4C 42115 OB

Conductivity Sensor, Sea-Bird SBE4C 42819 OB

Conductivity Sensor, Sea-Bird SBE4C 43057 OB

Conductivity Sensor, Sea-Bird SBE4C 42319

4 each Pump, Sea-Bird SBE5T 52788 OB

Pump, Sea-Bird SBE5T 53245 OB

Pump, Sea-Bird SBE5T 53629 OB

Pump, Sea-Bird SBE5T 51758
2 each Deck Unit, Sea-Bird, V.2 SBE11 11P12613-0452 OB
Deck Unit, Sea-Bird, V.2 SBE11 11P41717-0727 OB
2 each Altimeter, Benthos 916D 1184 OB
Altimeter, Benthos 916D 1182
2 each Oxygen sensor, Sea-Bird SBE43 431129
Oxygen sensor, Sea-Bird SBE43 431136
2 each Fluorometer Chlorophyll SCF3003
Fluorometer Chlorophyll SCF2958
2 each Transmissometer Cstar CST-492DR
Transmissometer Cstar CST-1119DR
1 each PAR sensor, surface, Biospherical QSR-2200 20307
1 each PAR sensor, 2000m, Biospherical QSP-2300 4643
ROSETTE:
2 each Carousel, Sea-Bird Pylon 24-place SBE32 3241717-0564
Carousel, Sea-Bird Pylon 24-place SBE32 3229197-0417
1 each 12 place rosette frame, 30-liter
14 each 30 liter bottles includes 2 spares
Silicone o-rings are installed on the bottles.
CHEM:
1 each AutoAnalyzer 5-channel system with reagents, PC, and spares
1 each Oxygen UV titrator system with reagents, PC and spares
1 each Pickling Rack with Wheaton Dispensers
4 cases O2 flasks, 24 per case
1 each Salinometer, Autosal, Guildline 8400B 69-180
65 vials Standard Seawater
6 cases salt bottles, 24/case
BACKUP ROSETTE:
1 each 24 place rosette frame, yellow 10-liter
24 each 10 liter bottles

Additional Information:

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

Be advised sensor serial numbers may differ.

Shipping Details (Approx.Dates,etc.):To Miami, FL 10/15/2008

REVELLE Transit: 11/12/2008 - 12/04/2008

Leave CTD on board for subsequent expeditions.

All equipment is to be returned clean and assembled.

Overboard equipment must be rinsed with fresh water and dried.

Taken by: Emails, Pre-Cruise Request by: K. Sanborn, 12 September 2008

Copies to: Sutherland/Ayers/Durkin/Files(Administration);

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

Swift; Requestor/PI

Research Technicians (restech@ucsd.edu);

Ship Scheduling (shipsked@ucsd.edu)

Captain Revelle (master@rv-revelle.ucsd.edu)

Captain Althouse (talthouse@ucsd.edu)

All other requests should be directed to Research Technicians.

** Notify Scott Hiller or Kristin Sanborn of additions or changes.

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

shiller@ucsd.edu (858) 534-1907