

***** STS/ODF-/SEG CRUISE REQUEST ****07RRbaggeroer*****

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SHIP: Roger Revelle STS/ODF-/SEG POC: Robert Thombley

SIO SHIP DESIGNATION: RR1009

DATES: 7 July 2010 - 20 July 2010

PORTS: Kao-hsiung, Taiwan - Kao-hsiung, Taiwan

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

Casts: One at each mooring deployment

Max Sampling Depth: 1000m, will not be close to the bottom.

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

EQUIPMENT IS ON BOARD THE SHIP, AIR for new sensors

2 each	CTD, Sea-Bird	911plus	09P11599-0401	
	w/Pressure sensor	401K-105	59916	
	CTD, Sea-Bird	911plus	09P41717-0831	
	w/Pressure sensor	401K-105	9967	
5 each	Temperature Sensor, Sea-Bird	SBE3Plus	32059	AIR
	Temperature Sensor, Sea-Bird	SBE3Plus	32165	AIR
	Temperature Sensor, Sea-Bird	SBE3Plus	32166	AIR
	Temperature Sensor, Sea-Bird	SBE3Plus	32322	
	Temperature Sensor, Sea-Bird	SBE3Plus	34138	
5 each	Conductivity Sensor, Sea-Bird	SBE4C	42115	AIR
	Conductivity Sensor, Sea-Bird	SBE4C	42112	AIR
	Conductivity Sensor, Sea-Bird	SBE4C	42569	AIR
	Conductivity Sensor, Sea-Bird	SBE4C	42765	
	Conductivity Sensor, Sea-Bird	SBE4C	42818	
2 each	Oxygen sensor, Sea-Bird	SBE43	430186	AIR
	Oxygen sensor, Sea-Bird	SBE43	430875	AIR
5 each	Pump, Sea-Bird	SBE5T	51781	
	Pump, Sea-Bird	SBE5T	51864	
	Pump, Sea-Bird	SBE5T	53334	
	Pump, Sea-Bird	SBE5T	54374	
2 each	Deck Unit, Sea-Bird, V.2	SBE11	11P41717-727	
	Deck Unit, Sea-Bird, V.2	SBE11	384	
2 each	Altimeter, Benthos 6km		1184	
	Altimeter, Benthos 6km		45531	
2 each	Carousel, Sea-Bird 24-place	SBE32	3229197-0417	
	Carousel, Sea-Bird 24-place	SBE32	3231807-0456	
2 each	Fluorometer, 6km	Seapoint	SCF3003	
	Fluorometer, 6km	WetLabs	FLRT1156	

2 each Transmissometer, 25cm, 6km WetLabs CST-1176DR
Transmissometer, 25cm, 6km WetLabs CST-1189DR

ROSETTES ON BOARD

1 each 24 place rosette frame, yellow
26 each 10 liter bottles,
lanyard material, hose clamps, o-rings
Lead weights & hardware for rosette
Nitrile (Buna-n) o-rings are installed on the bottles.

BACKUP

1 each 12 place rosette frame, yellow
14 each 10 liter bottles includes 2 spares

AS OF 3 MAY 2010:

Science Party may be providing LADCP to attach to CTD.
PLEASE PROVIDE DETAILS TO RESTECHS, restech@ucsd.edu

NOT REQUESTED-ON BOARD FROM PREVIOUS AND SUBSEQUENT EXPEDITIONS:

2 each	Par Sensor, 1km, Biospherical	QSP-200L	4508
	Par Sensor, 2km, Biospherical	QSP-2300	4644
	Surface Par, Biospherical	QSR-240	6369

Additional Information:

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

Second CTD on board as backup from previous and for subsequent expeditions.

Shipping Details (Approx.Dates,etc.):~June 16th airship to

Kao-hsiung, Taiwan. See Scott Hiller for Details.

RETURN-Air: These sensors from previous expeditions:

Temperature 32202 & 32309, 42593 & 42766, 430060 & 430185

Be advised serial numbers may differ with actual setup.

SIO/STS CTD has the wet pluggable MCBH-6 connectors

ROSETTE being repaired in Taiwan:

1 each 24 place rosette, yellow

Taken by: Pre-cruise meeting

Request by: K. Sanborn, 6 May 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);

REVELLE ResTech (restech@rv-revelle.ucsd.edu)

Ship Scheduling (shipsked@ucsd.edu)

REVELLE Captain (master@rv-revelle.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.

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