

***** STS/ODF-/SEG CRUISE REQUEST *****07RR.graber*****

PI/REQUESTOR: Dr. Hans Graber

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SHIP: Roger Revelle

SIO SHIP DESIGNATION: RR1010

DATES: 24 July 2010 - 12 August 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:

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
	Temperature Sensor, Sea-Bird	SBE3Plus	32165
	Temperature Sensor, Sea-Bird	SBE3Plus	32166
	Temperature Sensor, Sea-Bird	SBE3Plus	32322
	Temperature Sensor, Sea-Bird	SBE3Plus	34138
5 each	Conductivity Sensor, Sea-Bird	SBE4C	42115
	Conductivity Sensor, Sea-Bird	SBE4C	42112
	Conductivity Sensor, Sea-Bird	SBE4C	42569
	Conductivity Sensor, Sea-Bird	SBE4C	42765
	Conductivity Sensor, Sea-Bird	SBE4C	42818
2 each	Oxygen sensor, Sea-Bird	SBE43	430186
	Oxygen sensor, Sea-Bird	SBE43	430875
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 OF LADCP TO RESTECHS, restech@ucsd.edu

NOT REQUESTED-ON BOARD FROM PREVIOUS AND SUBSEQUENT EXPEDITIONS:

2 each	Par Sensor, 1km, Biospherical	QSP-200L	4541
	Par Sensor, 2km, Biospherical	QSP-2300	4643
	Surface Par, Biospherical	QSR-240	20307

Additional Information:

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

Shipping Details (Approx.Dates,etc.):N/A all equipment on board from previous expedition

Be advised serial numbers may differ with actual setup.

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

Taken by: Precruise meeting
Request by: K. Sanborn, 10 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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