

***** STS/ODF-/SEG EQUIPMENT REQUEST ****05RRmercer*****

P.I.: James A. Mercer
 Institution: UW_APL - University of Washington - Applied Physics Lab
 Address: 1013 NE 40th Street
 Seattle, WA 98105 USA
 Phone: (206) 543-1361 Email: mercer@apl.washington.edu
 SHIP: REVELLE
 SIO CRUISE ID: RR1006
 DATES: 5 May 2010 - 29 May 2010
 PORTS: Kao-hsiung, Taiwan - Kao-hsiung, Taiwan

STS/ODF-/SEG-RT PERSONNEL REQUIRED: No: 1 Research Technician

Casts: 50 casts, near bottom, 6000M, 25M above the bottom.
 NOTE: IF sampling below 6000m, the altimeter needs to be removed.

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

ON BOARD FROM PREVIOUS EXPEDITION:

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	99677 *
	sensors included:		
4 each	Temperature Sensor, Sea-Bird	SBE3Plus	32202
	Temperature Sensor, Sea-Bird	SBE3Plus	32309
	Temperature Sensor, Sea-Bird	SBE3Plus	32322 *
	Temperature Sensor, Sea-Bird	SBE3Plus	34138 *
4 each	Conductivity Sensor, Sea-Bird	SBE4C	42593
	Conductivity Sensor, Sea-Bird	SBE4C	42766
	Conductivity Sensor, Sea-Bird	SBE4C	42818 *
	Conductivity Sensor, Sea-Bird	SBE4C	43023 *
4 each	Pump, Sea-Bird	SBE5T	51758
	Pump, Sea-Bird	SBE5T	51781
	Pump, Sea-Bird	SBE5T	51864 *
	Pump, Sea-Bird	SBE5T	53334 *
2 each	Deck Unit, Sea-Bird, V.2	SBE11	384 OB
	Deck Unit, Sea-Bird, V.2	SBE11	727 OB
2 each	Altimeter, Benthos, 1-99.9,6km	916D	1184
	Altimeter, Benthos, 1-99.9,6km	916D	45531 *
2 each	Adaptors for MCIL cable (Fluorometer and Altimeter)		

Spare cables

*=configuration, others are backups and should be on the rosette frame

NOT REQUESTED, DO NOT NEED:

2 each	Oxygen sensor, Sea-Bird	SBE43	430060
	Oxygen sensor, Sea-Bird	SBE43	430185
2 each	Carousel, Sea-Bird 24-place	SBE32	0131
	Carousel, Sea-Bird 24-place	SBE32	0417
2 each	Fluorometer, Seapoint, 6km	Chlorophyll	SCF3003
	Fluorometer, Wetlabs	Chlorophyll	FLRT-1156

2 each	Transmissometer, Wetlabs	CSTAR	CST-1176DR
	Transmissometer, Wetlabs	CSTAR	CST-1189DR
2 each	24 place rosette, yellow		
	12 place rosette, yellow		
	Spare cables and bottle supplies		
14 each	10 liter bottle, includes 2 spares		
	lanyard material, hose clamps, o-rings		
	Lead weights & hardware for rosette		
	Nitrile (Buna-n) o-rings are installed on the bottles.		

Additional Information:

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

Be advised serial numbers may differ with actual setup.

Second CTD/sensors on board as backup for current, previous and subsequent expeditions.

STS CTD has the wet pluggable MCBH-6 connectors.

Taken by: Email, 7 December 2009

Request by: K. Sanborn, 8 December 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)

Master REVELLE (master@rv-revelle.ucsd.edu)

Captain Zolton Kelety (zkelety@ucsd.edu)

All other requests should be directed to Research Technicians.

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

email: ksanborn@ucsd.edu

Telephone: (858) 534-1903

rthomble@ucsd.edu

(858) 534-1907