

***** STS/ODF-/SEG EQUIPMENT REQUEST ****06MVlandry*****

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SIO CRUISE ID: MV1008
 DATES: 22 June 2010 - 26 July 2010
 PORTS: Puerto Caldera, Costa Rica - Puerto Caldera

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

Casts: 100-200, ideally 100.

"I DON'T EXPECT MANY, IF ANY, SAMPLING BELOW 2000-3000 M, AND ROUTINE SAMPLING WILL BE MUCH SHALLOWER (UPPER 300 M). THERE COULD BE ONE TO A FEW REQUESTS TO GO DEEPER."

DAB: "CAUTION WILL PREVAIL. WE DO NOT HAVE A SPECIFIC NEED OR INTENT TO SAMPLE 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

2 each	CTD, Sea-Bird	911plus	09P39801-0796
	w/Pressure sensor	401K-105	98627
	CTD, Sea-Bird	911plus	09P41717-0830
	OB		
	w/Pressure sensor	401K-105	99676
5 each	Temperature Sensor, Sea-Bird	SBE3Plus	32380
	Temperature Sensor, Sea-Bird	SBE3Plus	34213
	Temperature Sensor, Sea-Bird	SBE3Plus	34209 OB
	Temperature Sensor, Sea-Bird	SBE3Plus	34953 OB
	Temperature Sensor, Sea-Bird	SBE3Plus	34226 OB
5 each	Conductivity Sensor, Sea-Bird	SBE4C	43578
	Conductivity Sensor, Sea-Bird	SBE4C	43430
	Conductivity Sensor, Sea-Bird	SBE4C	41897 OB
	Conductivity Sensor, Sea-Bird	SBE4C	41919 OB
	Conductivity Sensor, Sea-Bird	SBE4C	42659 OB
5 each	Pump, Sea-Bird	SBE5T	54128
	Pump, Sea-Bird	SBE5T	53629
	Pump, Sea-Bird	SBE5T	52788 OB
	Pump, Sea-Bird	SBE5T	52567 OB
	Pump, Sea-Bird	SBE5T	51758 OB
2 each	Oxygen sensor, Sea-Bird	SBE43	430848
	Oxygen sensor, Sea-Bird	SBE43	431138
2 each	Deck Unit, Sea-Bird, V.2	SBE11	11P31807-0654 OB
	Deck Unit, Sea-Bird, V.2	SBE11	11P90852-0366 OB
2 each	Altimeter, Benthos 6km		1183 OB
	Altimeter, Benthos 6km		43696 OB
2 each	Carousel, Sea-Bird 24-place	SBE32	3241717-0564 OB
	Carousel, Sea-Bird 24-place	SBE32	3213290-0113 OB
2 each	Par Sensor, 1km, Biospherical	QSP-200L	4508
	Par Sensor, 2km, Biospherical	QSP-2300	4644

1 each	Surface Par, Biospherical	QSR-240	20226	
	Surface Par, Biospherical	QSR-240	6369	OB
2 each	Transmissometer, 25cm, 6km	WetLabs	CST-1119DR	OB
	Transmissometer, 25cm, 6km	WetLabs	CST-493DR	OB
2 each	Fluorometer, 6km	Seapoint	SCF2775	OB
	Fluorometer, 6km	Seapoint	SCF2958	
1 each	24 place rosette frame, orange			
26 each	10 liter bottles includes 2 spares (SEE NOTE needs 10 liters)			
	lanyard material, hose clamps, o-rings			
	Silcone o-rings are installed on the bottles.			
	"We won't be needing a salinometer or bottles."			
	BACKUP:			
1 each	36 place rosette frame, orange			
24 each	24 10 liter bottles with spares,			

Additional Information:

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

Be advised sensor serial numbers may differ.

They will need silicone o-rings and the non-contaminating inside springs.

We do not need the spare rosette outfitted similarly.

NOTE: SIO/STS has converted our CTD's to wet-pluggable connectors.

All of our 911 Seabird CTDs use the wet pluggable MCBH-6 style

connector and cables now and not the old style AG-306 connectors.

If you have an instrument that needs to be attached to the CTD,

contact one of the STS Research Technicians:

restech@ucsd.edu

Carl Mattson, Supervisor

cmattson@ucsd.edu

(858) 534-1907

FOR UW SYSTEM ON BOARD-same setup that CalCOFI requests:

1 each Oxygen Sensor SBE43 0091

1 each Fluorometer Wetstar WS3S-1141

Shipping Details (Approx.Dates,etc.): TBD, ~30 April, Restech container

J. Dorrance to provide dates,

Air shipment-TBD

Taken by: Email, 12/18/2009 and 2008 request

Request by: K. Sanborn, 21 April 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);

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** Notify John Calderwood or Kristin Sanborn of additions or changes.

All other requests should be directed to Research Technicians.

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