

***** STS/ODF-/SEG CRUISE REQUEST ****03RRi5_clivar*****

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 PI: James H. Swift
 SHIP: REVELLE
 DATES: 19 March 2009 - 14 May 2009
 LOAD: 15-18 March 2009
 UNLOAD: 14-16 March 2009
 PORTS: Capetown, South Africa - Fremantle, Australia

STS/ODF-/RT PERSONNEL REQUIRED: No: 5 for STS/ODF, SRA, DATA, ET
 + 3 NOAA Techs;
 ResTech: 1

Casts: 193 stations
 First station is a two day steam out of Cape Town
 Last station is hours into Fremantle
 ~57 trace metal casts, 684 salinity and nutrient samples
 Underway samples every 4 hours, salinity, oxygen and nutrients
 Underway ~346 samples, salinity, oxygen and nutrients
 7974 salinity, 7290 oxygen and 7974 nutrient samples

Equipment Required (2 CTD systems):

CTD SBE system with acquisition computers, STS-ODF programs:

2 each	CTD, Sea-Bird	911plus	09P39801-0796
	w/Pressure sensor	401K-105	98627
	CTD, Sea-Bird	911plus	09P41717-0830
	w/Pressure sensor	401K-105	99686
	sensors included:		
6 each	Temperature Sensor, Sea-Bird	SBE3Plus	034943
	Temperature Sensor, Sea-Bird	SBE3Plus	034532
	Temperature Sensor, Sea-Bird	SBE3Plus	035046
	Temperature Sensor, Sea-Bird	SBE3Plus	034486
	Temperature Sensor, Sea-Bird	SBE3Plus	034907
	Temperature Sensor, Sea-Bird	SBE3Plus	034953
6 each	Conductivity Sensor, Sea-Bird	SBE4C	043176
	Conductivity Sensor, Sea-Bird	SBE4C	043369
	Conductivity Sensor, Sea-Bird	SBE4C	043578
	Conductivity Sensor, Sea-Bird	SBE4C	043429
	Conductivity Sensor, Sea-Bird	SBE4C	043430
	Conductivity Sensor, Sea-Bird	SBE4C	043215
6 each	Pump, Sea-Bird	SBE5T	055124
	Pump, Sea-Bird	SBE5T	055011
	Pump, Sea-Bird	SBE5T	054160
	Pump, Sea-Bird	SBE5T	054890
	Pump, Sea-Bird	SBE5T	054377
	Pump, Sea-Bird	SBE5T	054374
3 each	Oxygen sensor, Sea-Bird	SBE43	430255
	Oxygen sensor, Sea-Bird	SBE43	430848
	Oxygen sensor, Sea-Bird	SBE43	430186
2 each	Deck Unit, Sea-Bird, V.2	SBE11	11P12613-0452
OB			
	Deck Unit, Sea-Bird, V.2	SBE11	11P41717-0727
OB			
3 each	Altimeter, Benthos, 2-100m	916D	1184 OB

	Altimeter, Simrad, 2-500m	807	9711091	
	Altimeter, Simrad, 2-500m	807	9711090	OB
2 each	Carousel, Sea-Bird 36-place	SBE32	3213290-0113	
	Carousel, Sea-Bird 36-place	SBE32	3216715-0187	
2 each	Reference Temperature, Sea-Bird	SBE35 RT V2	3528706-0034	
	Reference Temperature, Sea-Bird	SBE35 RT V2	3528706-0035	
4 each	Computers, Linux			
2 each	36 place rosette frame, orange, yellow			
40 each	36 10 liter bottles with spares, true			
36 each	36 10 liter bottles with spares, true			
	Baked o-rings installed on the bottles.			
1 each	Lead weights & hardware for rosettes			
	walkie-talkies and base station			
	data logger/rosette controller			
1 each	AutoAnalyzer 4-channel system with reagents, PC, and spares			OB
1 each	Oxygen UV titrator system with reagents, PC and spares			OB
1 each	Pickling Rack with Wheaton Dispensers			
4 cases	O2 flasks, 36 per case			
2 each	Salinometer, Autosal, Guildline	8400A		
	Salinometer, Autosal, Guildline	8400B 69-180		
~450 bottles	Standard Seawater			
6 cases	salt bottles, 36/case			
6 cases	salt bottles, 18/case			
	forms, printer paper, plotter paper, office supplies			
UW SYSTEM:				
1 each	Oxygen sensor, Sea-Bird	SBE43	430872	
Other Equipment for the package:				
LADCP (Eric Firing/Jules Hammon, UH)				
Transmissometer (Wilf Gardner, TAMU)				
CDOM fluorometer (Norm Nelson, UCSB)				
ON BOARD:				
1 each	Transmissometer, WetLabs, 25cm, 6km	CStar	CST491DR	OB

Additional Information:

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

Be advised sensor serial numbers may differ.

STS CTD has the wet pluggable MCBH-6 connectors.

A complete manifest will be provided to Research Technicians, Ship's Captain, and Captain Althouse

OB=On board from previous expedition or installed

Shipping Details (Approx.Dates,etc.): 16 January 2009 20' container

Hazmat: ~16 January 2009

AIR: TBA

Cape Town, South Africa

Agent Address:

http://shipsked.ucsd.edu/Contacts/Agents/rr_agents_2009.php

Freight must be labeled "SHIP'S SPARES IN TRANSIT."

For air freight, "Airport of Destination" on the AWB should be marked as "Cape Town" or CPT.

PARTICIPANTS MUST PLAN TO LEAVE NO SAMPLES, GEAR, VANS, OR CHEMICALS ON THE REVELLE BETWEEN I5 and I7N, OR AFTER I7N.

Taken by: Request by: K. Sanborn, 02 Jan 2009

Copies to: Sutherland/Ayers/Durkin/Files(Administration);
 Oceanographic Data Facility (all-at-odf@sts.ucsd.edu);
 Swift; Requestor/PI

Research Technicians-Marine and Electronics (restech@ucsd.edu);

Ship Scheduling (shipsked@ucsd.edu)

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

Captain Tom Althouse (talthouse@ucsd.edu)

** Notify Carl Mattson or Kristin Sanborn of additions or changes.

All other requests should be directed to Resident Technicians.

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