

\*\*\*\*\* STS/ODF-/SEG CRUISE REQUEST \*\*\*\*09Mvp6\_clivar\*\*\*\*\*

Leg 1:

Chief Scientist: Alison M Macdonald

WHOI MS21

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Email: amacdonald@whoi.edu

Co-Chief: Shenfu Dong

DATES: 11 September 2009 - 23 October 2009 (Tentatively)

LOAD: 8-10 September 2009

PORTS: Brisbane, Australia - Papeete, Tahiti

SIO CRUISE DESIGNATION: MV0911

Leg 2:

Chief Scientist: Dr. Ruth G. Curry

Department of Physical Oceanography Woods Hole Oceanographic

Woods Hole Oceanographic Institution

MS 15

Woods Hole, MA 02543

Email: rcurry@whoi.edu

DATES: 26 October 2009 - 9 December 2009 (Tentatively)

PORTS: Papeete, Tahiti - Valparaiso, Chile

SIO CRUISE DESIGNATION: MV0912

UNLOAD: 10-11 December 2009

SHIP: MELVILLE

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STS/ODF-/RT PERSONNEL REQUIRED: No:

7 Tech + 1 NOAA Tech + 1 Computer Tech + 1 Research Technician

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Casts: Leg 1 134 stations

-67 trace metal casts, salinity and nutrient samples

Underway samples every 4 hours, salinity, oxygen and nutrients

5886 salinity, 5082 oxygen and 5886 nutrient samples

Casts: Leg 2 132 stations

-66 trace metal casts, salinity and nutrient samples

Underway samples every 4 hours, salinity, oxygen and nutrients

5814 salinity, 5022 oxygen and 5814 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	99676
	sensors included:		
6 each	Temperature Sensor, Sea-Bird	SBE3Plus	35046
	Temperature Sensor, Sea-Bird	SBE3Plus	34907
	Temperature Sensor, Sea-Bird	SBE3Plus	34532
	Temperature Sensor, Sea-Bird	SBE3Plus	34941
	Temperature Sensor, Sea-Bird	SBE3Plus	34476
	Temperature Sensor, Sea-Bird	SBE3Plus	32380
6 each	Conductivity Sensor, Sea-Bird	SBE4C	43578
	Conductivity Sensor, Sea-Bird	SBE4C	42569
	Conductivity Sensor, Sea-Bird	SBE4C	43369
	Conductivity Sensor, Sea-Bird	SBE4C	42572
	Conductivity Sensor, Sea-Bird	SBE4C	43058
	Conductivity Sensor, Sea-Bird	SBE4C	43430
6 each	Pump, Sea-Bird	SBE5T	55124
	Pump, Sea-Bird	SBE5T	55011

	Pump, Sea-Bird	SBE5T	54160	
	Pump, Sea-Bird	SBE5T	54890	
	Pump, Sea-Bird	SBE5T	54377	
	Pump, Sea-Bird	SBE5T	52559	
3 each	Oxygen sensor, Sea-Bird	SBE43	431508	
	Oxygen sensor, Sea-Bird	SBE43	430255	
	Oxygen sensor, Sea-Bird	SBE43	430186	
2 each	Deck Unit, Sea-Bird, V.2	SBE11	11P31807-0654	OB
	Deck Unit, Sea-Bird, V.2	SBE11	11P9852-0366	OB
2 each	Altimeter, Simrad, 2-500m	807	9711091	OB
	Altimeter, Simrad	1007	201074	OB
2 each	Carousel, Sea-Bird 36-place	SBE32	3213290-0113	OB
	Carousel, Sea-Bird 36-place	SBE32	3216715-0187	OB
2 each	Reference Temperature, Sea-Bird	SBE35 RT V2	3528706-0034	OB
	Reference Temperature, Sea-Bird	SBE35 RT V2	3528706-0035	
2 each	Adaptors for MCIL cable			
4 each	Computers, Linux			OB
2 each	36 place rosette frame, orange, yellow			OB
40 each	36 10 liter bottles with spares, true			OB
36 each	36 10 liter bottles with spares, true			OB
	Baked o-rings installed on the bottles.			Air
1 each	Lead weights & hardware for rosettes			OB
1 each	AutoAnalyzer 4-channel system with reagents, PC, and spares			
1 each	Oxygen UV titrator system with reagents, PC and spares			OB
1 each	Pickling Rack with Wheaton Dispensers			OB
4 cases	O2 flasks, 36 per case			OB
2 each	Salinometer, Autosal, Guildline	8400A 53-503		OB
	Salinometer, Autosal, Guildline	8400B 69-180		OB
~340 bottles	Standard Seawater			OB
~340 bottles	Standard Seawater, LEG 2			On Order
6 cases	salt bottles, 36/case			OB
6 cases	salt bottles, 18/case			OB
	forms, printer paper, plotter paper, office supplies			
Other Equipment for the package:				
	LADCP (Eric Firing/Jules Hammon, UH)			OB
	Transmissometer (Wilf Gardner, TAMU)			OB
	CDOM fluorometer (Norm Nelson, UCSB)			OB
ON BOARD:				
1 each	Transmissometer, WetLabs, 25cm, 6km	CStar	CST1115DR	OB
UW SYSTEM:				
1 each	Oxygen sensor, Sea-Bird	SBE43	430091	
	Not wet-pluggable			

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Additional Information:

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

Be advised sensor serial numbers may differ.

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

OB=On board from previous expedition

Shipping Details (Approx.Dates,etc.): 15 July 2009, surface with ResTechs

Hazmat:

AIR: TBA

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Taken by: CLIVAR Requirements Request by: K. Sanborn, 06 July 2009

Copies to: Sutherland/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)

MELVILLE Captain (master@rv-melville.ucsd.edu)

Captain Zolton Kelety (zkelety@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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