

+REVISION 07/09/09 changed T S/N; corrected SN of deck unit  
 +REVISION 7/29/09 Rosette/bottles, 02, PAR, Fluorometer, Transmissometer  
 +REVISION 7/29/09 corrected backup carousel to 24-place (not 12)  
 \*\*\*\*\* STS/ODF-/SEG EQUIPMENT REQUEST \*\*\*\*08RR-2gawarkiewicz\_centurioni\*\*\*\*\*

Chief Scientist: Dr. Luca R. Centurioni/SIO

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Phone: 858-534-6182

P.I. Name: Glen Gawarkiewicz

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SHIP: REVELLE

SIO SHIP DESIGNATION: RR0907

QPE Project:

DATES:

Chief Scientist:

3-Aug-09 9-Aug-09  
 Dr. Ren-Chieh Lien/UW\_APL 206-685-1079 lien@apl.washington.edu  
 --->13-Aug-09 21-Aug-09  
 --->Dr. Luca R. Centurioni/SIO 858-534-6182 lcenturioni@ucsd.edu  
 23-Aug-09 7-Sep-09  
 Dr. Thomas B. Sanford/UW\_APL 206-543-1365 sanford@apl.washington.edu  
 8-Sep-09 11-Sep-09  
 Dr. Craig M. Lee/UW\_APL 206-685-7656 craig@apl.washington.edu  
 (CTD setup same as May)  
 12-Sep-09 16-Sep-09  
 Dr. Ren-Chieh Lien/UW\_APL 206-685-1079 lien@apl.washington.edu  
 PORT(s): Chi-Lung, Taiwan Chi-Lung

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STS/ODF-/SEG-RT PERSONNEL REQUIRED: No: 2 Research Technician

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FROM 7/23/09 EMAIL:

+Casts:41 + whatever the Taiwanese scientists will require  
 +200 m + whatever the Taiwanese scientists will require  
 +5-10 m + whatever the Taiwanese scientists will require

END EMAIL EXCERPT

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	09P21561-0569
	w/ Pressure sensor	401K-105	75672
BACKUP	CTD, Sea-Bird	911plus	09P9852-0381
	w/ Pressure sensor	401K-105	58952
	sensors included:		
4 each	Temperature Sensor, Sea-Bird	SBE3Plus	32166
+	Temperature Sensor, Sea-Bird	SBE3Plus	32059
+BACKUP	Temperature Sensor, Sea-Bird	SBE3Plus	32165
BACKUP	Temperature Sensor, Sea-Bird	SBE3Plus	34924
4 each	Conductivity Sensor, Sea-Bird	SBE4C	42115
	Conductivity Sensor, Sea-Bird	SBE4C	43176
BACKUP	Conductivity Sensor, Sea-Bird	SBE4C	43215
BACKUP	Conductivity Sensor, Sea-Bird	SBE4C	43429
4 each	Pump, Sea-Bird	SBE5T	54128

	Pump, Sea-Bird	SBE5T	52567	
BACKUP	Pump, Sea-Bird	SBE5T	51799	
BACKUP	Pump, Sea-Bird	SBE5T	51409	
2 each	Altimeter, Benthos (1-99.9M, 6km)	PSA-916D	1182	
BACKUP	Altimeter, Benthos (1-99.9M, 6km)	PSA-916D	1183	
+2 each	Deck Unit, Sea-Bird, V.2	SBE11		0384 OB
+	Deck Unit, Sea-Bird, V.2	SBE11		11P41717-0727

OB

2 each	Adaptors for MCIL cable		
+2 each	Oxygen Sensor	SBE43	430848
+BACKUP	Oxygen Sensor	SBE43	431138
+2 each	Fluorometer, Seapoint, 6km	Chlorophyll	SCF2964
+BACKUP	Fluorometer, Seapoint, 6km	Chlorophyll	SCF2775
+1 each	Carousel, Sea-Bird, 24-place	SBE32	3239801-0527
+2 each	Transmissometer, WetLabs, 25cm	CSTAR	CST-1094DR
+BACKUP	Transmissometer, WetLabs, 25cm	CSTAR	CST-492DR
+1 each	PAR Sensor, Biospherical, 2km	QSP-2300	4643
+1 each	24-place rosette, yellow		

FROM 7/28/09 EMAIL:

- 10 l Niskin (at least 14 bottles)

END EMAIL EXCERPT

lanyard material, hose clamps, o-rings

Lead weights & hardware for rosette

Nitrile (Buna-n) o-rings are installed on the bottles.

BACKUP ROSETTE:

1 each	12-place rosette, yellow		
14 each	10 liter bottles, includes 2 spares		
+1 each	Carousel, Sea-Bird, 24-Place	SBE32	3223219-0319

Additional Information:

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

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

Second CTD on board as backup from previous and for subsequent expeditions.

Shipping Details (Approx.Dates,etc.): N/A

Equipment on board from previous expedition

Be advised serial numbers may differ with actual setup.

Taken by: Pre-Cruise Request by: K. Sanborn, 3 July 2009

Copies to: Sutherland/Durkin/Files(Administration);  
 Oceanographic Data Facility (all-at-odf@sts.ucsd.edu);  
 Swift; Requestor/PI  
 Research Technicians-Marine & Electronics (restech@ucsd.edu);  
 (restech@rv-revelle.ucsd.edu);  
 Ship Scheduling (shipsked@ucsd.edu)  
 REVELLE Captain (master@rv-revelle.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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 jcalderwood@ucsd.edu (858) 534-1907