

\*\*\*\*\* STS/ODF-/SEG EQUIPMENT REQUEST \*\*\*\*08RR-3gawarkiewicz\_sanford\*\*\*\*\*

Chief Scientist: Dr. Thomas B. Sanford/UW\_APL

Email: sanford@apl.washington.edu

Phone: 206-543-1365

P.I. Name: Glen Gawarkiewicz/WHOI

Email: ggawarkiewicz@whoi.edu

SHIP: REVELLE

SIO SHIP DESIGNATION: RR0908

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: 1 Research Technician

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Casts:

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 | 34209         |
| BACKUP | Temperature Sensor, Sea-Bird      | SBE3Plus | 34588         |
| 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    | 11P31807-0654 |
|        | Deck Unit, Sea-Bird, V.2          | SBE11    | 11P9852-0366  |

|  |  |             |              |
|--|--|-------------|--------------|
| 2 each   | Adaptors for MCIL cable                                |             |              |
| NOT REQUESTED, DO NOT NEED ON BOARD FROM PREVIOUS EXPEDITIONS: |  |             |              |
| 2 each   | Transmissometer, WetLabs, 25cm                         | CSTAR       | CST-492DR    |
| BACKUP   | Transmissometer, WetLabs, 25cm                         | CSTAR       | CST-1094DR   |
| 2 each   | Fluorometer, Seapoint, 6km                             | Chlorophyll | SCF2964      |
| BACKUP   | Fluorometer, Seapoint, 6km                             | Chlorophyll | SCF2775      |
| 2 each   | Oxygen Sensor  | SBE43       | 430848       |
| BACKUP   | Oxygen Sensor  | SBE43       | 431138       |
| 1 each   | 12-place rosette, yellow                               |             |              |
| 14 each  | 10 liter bottles, includes 2 spares                    |             |              |
| 1 each   | Carousel, Sea-Bird, 12-Place                           | SBE32       | 3223219-0319 |
| BACKUP   | Carousel, Sea-Bird, 24-place                           | SBE32       | 3239801-0527 |
| 1 each   | 24-place rosette, yellow                               |             |              |
|  | lanyard material, hose clamps, o-rings                 |             |              |
|  | Lead weights & hardware for rosette                    |             |              |
|  | Nitrile (Buna-n) o-rings are installed on the bottles. |             |              |

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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.

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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);  
 Ship Scheduling (shipsked@ucsd.edu)  
 REVELLE Captain (master@rv-revelle.ucsd.edu)  
 Captain Zolton Kelety (zkelety@ucsd.edu)

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

All other requests should be directed to Research Technicians.

email: ksanborn@ucsd.edu Telephone: (858) 534-1903  
 jcalderwood@ucsd.edu (858) 534-1907