

\*\*\*\*\* STS/ODF-/SEG EQUIPMENT REQUEST \*\*\*\*11NHfranks\*\*\*\*\*

P.I. Name: Franks, Peter SIO Cruise Designation: NH0916  
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SHIP: NEW HORIZON STS/ODF-/SEG POC: Robert Thombley  
DATES: 1 November 2009  
PORTS: San Diego - San Diego

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STS/ODF-/RT PERSONNEL REQUIRED: No: 2 Research Technicians

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Planning on 1-3 casts down to a maximum depth of 400 meters within 10 meters of 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

1 each	CTD, Sea-Bird	911plus	09P52161-0914
	w/Pressure sensor	401K-105	110547
3 each	Temperature Sensor, Sea-Bird	SBE3Plus	034308
	Temperature Sensor, Sea-Bird	SBE3Plus	034213
	Temperature Sensor, Sea-Bird	SBE3Plus	034486
3 each	Conductivity Sensor, Sea-Bird	SBE4C	042319
	Conductivity Sensor, Sea-Bird	SBE4C	042112
	Conductivity Sensor, Sea-Bird	SBE4C	043207
3 each	Pump, Sea-Bird	SBE5T	053343
	Pump, Sea-Bird	SBE5T	053376
	Pump, Sea-Bird	SBE5T	053342
1 each	Deck Unit, Sea-Bird, V.2	SBE11	11P41717-0726
1 each	Carousel, SeaBird 24-Place Pylon	SBE32	3252161-0699
1 each	Altimeter, Benthos, 1-99.9m	PSA-916D	41832
1 each	Transmissometer, WetLabs, 25cm	CSTAR	CST-493DR
1 each	Oxygen Sensor, Sea-Bird	SBE43	431071
2 each	Fluorometer, Seapoint, 6km	Chlorophyll	SCF2958
	Fluorometer, Seapoint, 6km	Chlorophyll	SCF3004
1 each	PAR sensor, surface, Biospherical	QSR-240	6370
1 each	PAR sensor, 2000m, Biospherical	QSP-2300	4664
2 each	Adaptors for MCIL cable		

ROSETTE:

1 each 12/24 place rosette frame, only need 12 places

14 each 10 liter bottles (2 spares)

lanyard material, hose clamps, o-rings

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

Lead weights & hardware for rosette

NOTE: Silicone o-rings not necessary as per PI email.

FORMS: CTD Station sheets

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Additional Information:

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

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

Be advised sensor serial numbers may differ.

STS CTD has the wet pluggable MCBH-6 connectors.

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Taken by: Email, 18 August 2009

Request by: K. Sanborn, 26 August 2009

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);  
Ship Scheduling (shipsked@ucsd.edu)  
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\*\* Notify Robert Thombly or Kristin Sanborn of additions or changes.

All other requests should be directed to Research Technicians.

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