

\*\*\*\*\* STS CTD EQUIPMENT REQUEST \*\*\*\*07NH.collins\*\*\*\*\*

PI/REQUESTOR: Collins, Curtis A.  
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Additional contacts:  
Rago, Thomas (Tarry) (CIV) <tarago@nps.edu>  
SIO Cruise Designation: NH0907  
SHIP: NEW HORIZON  
DATES: 24 July 2009 - 28 July 2009  
PORT(s): San Diego - San Diego

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STS/ODF-/SEG-RT PERSONNEL REQUIRED: No: 1 Research Technician

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Casts: ~70; 1100 fathoms (2000 m); 15 to 20 m but 5 m in shallow water.

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	034226
3 each	Conductivity Sensor, Sea-Bird	SBE4C	042319
	Conductivity Sensor, Sea-Bird	SBE4C	042112
	Conductivity Sensor, Sea-Bird	SBE4C	042819
3 each	Pump, Sea-Bird	SBE5T	053343
	Pump, Sea-Bird	SBE5T	053376
	Pump, Sea-Bird	SBE5T	053626
1 each	Deck Unit, Sea-Bird, V.2	SBE11	11P41717-0726
1 each	Carousel, SeaBird 24-Place Pylon	SBE32	3234939-0487
1 each	Altimeter, Benthos	916D	41832
2 each	Fluorometer, Seapoint, 6km	Chlorophyll	SCF2958
	Fluorometer, Seapoint, 6km	Chlorophyll	SCF3004
1 each	Transmissometer, WetLabs, 25cm	CSTAR	CST-493DR
1 each	Oxygen Sensor	SBE43	431508
2 each	Adaptors for MCIL cable		

ROSETTES:

1 each 12 place rosette frame, yellow

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

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, 05/26/09 Request by: K. Sanborn 06/04/09

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 Tom Althouse (talthouse@ucsd.edu);

Master RV NEW HORIZON (master@rv-newhorizon.ucsd.edu)

\*\* Notify Robert Thombly or Kristin Sanborn of additions or changes.

All other requests should be directed to Research Technicians.

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