

***** STS/ODF-/SEG EQUIPMENT REQUEST **12NHsend*****

Requestor: Gabriella Chavez Email: gchavez@ucsd.edu
Institution: Scripps Institution Of Oceanography
Address: La Jolla, UCSD, CA
P.I. Name: Uwe Send
Phone: 822-6710 Email: use@ucsd.edu
Institution: Scripps Institution of Oceanography 0230
Address: 9500 Gilman Dr.
La Jolla, Ca 92093-0230
SHIP: NEW HORIZON STS/ODF-/SEG POC: Robert Thombley
SIO SHIP DESIGNATION: NH0919
DATES: 9-17 December 2009
PORTS: San Diego to San Diego

STS/ODF-/SEG-RT PERSONNEL REQUIRED: 1 Research Technician

Casts: 7 casts with 12 bottles, giving ~84 oxygen, ~84 salinity and ~24 nutrient samples (nitrates and nitrites).

Equipment Required:

CTD SBE system with acquisition computer, SeaBird 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 and oxygen performed ~once a year

Computer with keyboard/mouse/color monitor

| | | | |
|--------|-------------------|----------|---------------|
| 1 each | CTD, Sea-Bird | 911plus | 09P52161-0914 |
| | w/Pressure sensor | 401K-105 | 110547 |
| | sensors included: | | |

| | | | |
|--------|------------------------------|----------|--------|
| 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 | Altimeter, Benthos, 1-99.9m | PSA-916D | 41832 |
|--------|-----------------------------|----------|-------|

| | | | |
|--------|----------------------------|-------------|---------|
| 2 each | Fluorometer, Seapoint, 6km | Chlorophyll | SCF2958 |
|--------|----------------------------|-------------|---------|

| | | | |
|--|----------------------------|-------------|---------|
| | Fluorometer, Seapoint, 6km | Chlorophyll | SCF3004 |
|--|----------------------------|-------------|---------|

| | | | |
|--------|-------------------------|-------|--------|
| 1 each | Oxygen sensor, Sea-Bird | SBE43 | 431071 |
|--------|-------------------------|-------|--------|

| | | | |
|--------|-----------------------------------|-------|--------------|
| 1 each | Carousel, Sea-Bird Pylon 24-place | SBE32 | 3252161-0699 |
|--------|-----------------------------------|-------|--------------|

| | | | |
|--------|---|--|--|
| 2 each | Adaptors for MCIL cable (Fluorometer and Altimeter) | | |
|--------|---|--|--|

| | | | |
|--------|----------------------|--|--|
| 1 each | CTD cable spares kit | | |
|--------|----------------------|--|--|

ROSETTE:

| | | | |
|--------|---------------------|--|--|
| 1 each | 12/24 place rosette | | |
|--------|---------------------|--|--|

| | | | |
|---------|--------------------------------------|--|--|
| 14 each | bottle (10 liter) includes 2 spares. | | |
|---------|--------------------------------------|--|--|

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

NOT REQUESTED:

| | | | |
|--------|--------------------------------|-------|-----------|
| 1 each | Transmissometer, Wetlabs, 25cm | CSTAR | CST-493DR |
|--------|--------------------------------|-------|-----------|

SHORE ANALYSIS-INDEX NUMBER NOAUS32:

For Chemical Supplies Informatino and Pick-Up date contact:

Melissa Miller melissa-miller@ucsd.edu

84 each Oxygen
84 each Salinity
24 each Nutrients
1x 36-place o2 flasks
2x 24-place o2 flasks
4x 24-place salinity bottles
1x pickling rack with reagents (~500 mL each MnCl₂ and NaI/NaOH) in 1L amber
1x 40 Nutrient tubes with rack
Wheaton bottles
2x Wheaton dispensers (rinse with hot tap water after use)
1x Oakton draw temperature thermometer with batteries
1x 500 mL squirt bottle
1x safety glasses
1x partial box of M nitrile gloves
1x clipboard with sample drawing instructions and sample log sheet.
FORMS:
15 each CTD Station Sheets, 24-place

Additional Information:

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

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

All equipment is to be returned clean and assembled.

Overboard equipment must be rinsed with fresh water and dried.

Be advised serial numbers may differ with actual setup.

Taken by: email 3 December 2009 Request by: K. Sanborn, 3 December 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);
 New Horizon Captain (master@rv-newhorizon.ucsd.edu)
 Captain Zolton Kelety (zkelety@ucsd.edu)

** Notify Robert Thombley or Kristin Sanborn of additions or changes.

All other requests should be directed to Research Technicians.

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