Southern California Marine Institute
Cruise Information Sheet
820 South Seaside Ave., Terminal Island, CA 90731
Tel: 310.519.3172 Fax: 310.519.1054
http://scmi.us/ email: scmi@csulb.edu

Name of Vessel: RV Seawatch

File copies with SCMI office by _____________. Keep 1 copy for your records.
FAILURE TO RETURN THIS FORM TO SCMI WILL RESULT IN THE CANCELLATION OF THE CRUISE.
**ALL CANCELLATIONS MUST BE MADE 2 WEEKS PRIOR TO TRIP DATE TO AVOID A 4 HOURS PER DAY CHARGE ***
PLEASE FILL OUT ALL SECTIONS OF THIS FORM

1. Person Filing Request
   Cruise Leader: Julia Cole
   Date of Trip: 21 February 2009
   Telephone Numbers: 520.626.2341 cel 520.237.2716
   Teachers Name: Julia Cole

2. Summary of the cruise (locations of sampling, cruise abstract)
   Priorities: Water Quality using SeaCat 19 OR Troy, Otter Trawl, Plankton Trawl, Bio Dredge, Mud

3. Course Number
   GEOS412A
   Number of People in Party (Max 40) 30

4. Time of Departure from SCMI
   1000
   Time of return
   Rates are charged from home port to home port and begin one-half hour prior to departure and end one-half hour after arrival at the home port.

5. Enter applicable billing information: Purchase Order #: Will Bring Check or PO on day ; Or
   Foundation Account #
   Billing Address:

6. Gear Requested (please check)
   Nansen Bottles (Demo Only)
   Reversing Thermometers (Demo Only)
   Dissecting Microscope ___1___2
   Compound microscope
   1 meter plankton net (.505 mesh)
   1/2 meter plankton net ______505____263
   Phytoplankton net (handheld)
   Neuston net
   IKMT 6 foot - staff collection permit
   Campbell grab /Van Veen Grab (IF TIME)
   BioCradge – if time
   Refractometer (handheld)
   Bucket thermometer
   YSI - (pH, temp, DO, salinity, conductivity, redox, depth)
   SeaBird pH, temp, DO, sal, cond, redox, depth – save to disk –
   Otter trawl ** MUST HAVE COLLECTION PERMIT
   Secchi disk
   Forel-Ule color scale
   Sediment sorter
   Video microscope
   Nutrient Wet Chemistry ($20.00/kit) lab only
   XBT ($50.00 each)

7. SPECIAL REQUEST: Other equipment may be available by special request and for additional costs. Please call Dan Warren at SCMI-310-519-3172 x 979 to arrange.

Signature ___________________________ Date: ___________________________
CAPTAIN'S DATA SHEET
USC STATION: SPOTS

Date: Wednesday January 28, 2009
Vessel: Sea Watch
Weather/cloud Cover: 
Bottom Depth: 900m

CTD (885m) CAST 1
Time (local): In 09:50 Out: 
Lat In: 33° 39’ 47"
Long In: 18° 24’ 07"
Lat Bottom: 33° 39’ 47"
Long Bottom: 
Lat Out: 
Long Out: 

CTD (180m) CAST 2
Time (local): In 09:51 Out: 
Lat In: 33° 33’ 02’’
Long In: 18° 24’ 04’’
Lat Bottom: 33° 32’ 28’’
Long Bottom: 18° 24’ 10’’
Lat Out: 33° 32’ 82’’
Long Out: 18° 24’ 21’’

CTD (885m) CAST 3
Time (local): In 11:29 Out: 
Lat In: 33° 33’ 08’’
Long In: 18° 24’ 09’’
Lat Bottom: 33° 32’ 95’’
Long Bottom: 18° 24’ 09’’
Lat Out: 
Long Out: 

Plankton Tow: 400m Vertical #1
Time (local): In ______ Out: ______
Lat In: 
Long In: 
Lat Out: 
Long Out: 

Plankton Tow: 180m Vertical #2
Time (local): In ______ Out: ______
Lat In: 
Long In: 
Lat Out: 
Long Out: 

Plankton Tow: 800m Vertical #3
Time (local): In ______ Out: ______
Lat In: 
Long In: 
Lat Out: 
Long Out: 

CTD (835m) CAST 4
Time (local): In ______ Out: ______
Lat In: 
Long In: 
Lat Bottom: 
Long Bottom: 
Lat Out: 
Long Out: 

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\theta = \frac{\text{adj}}{\text{hypo}}
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hypo = \frac{\text{adj}}{\sin \theta}
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