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

Name of Vessel: RV Sea Watch

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       Troy E. Gunderson       Date of Trip       July 9, 2009
Cruise Leader       Troy E. Gunderson       School/ Organization       University of Southern California
Telephone Numbers       (805) 402-7191       Fax Numbers       (213) 740-8123

***Students are the responsibility of the cruise leader ***

***NO OPEN TOED SHOES WILL BE ALLOWED ON THE BOATS (NO EXCEPTIONS)***

2. Summary of the cruise (locations of sampling, cruise abstract)
Monthly Time-Series cruise to 33°33.00'N, 118°24.00'W. 3 CTD casts (2 deep, 1 shallow), 4 transit bucket samples, 2 net tows, surface water collection via pump and pole sampling

(If you are collecting specimens, a copy of your California Department of Fish & Game Collecting Permit must be on file with SCMI office before the cruise date.)

3. Course Number       none       Number of People in Party (Max 40)       8
4. Time of Departure from SCMI       0700 hr       Time of return       ~1530 hr
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 #:       JV       or
Billing Address       P.O. Box 5069 Avalon, CA

6. Gear Requested (please check)
   Niskin Bottles
   Nansen Bottles (Demo Only)
   Reversing Thermometers (Demo Only)
   Dissecting Microscope __1___2
   1 meter plankton net (.505 mm)
   1/2 meter plankton net __.505mm__263mm
   I-K midwater trawl net __6'___10'
   Bucket thermometer
   Biological dredge
   Campbell grab /Van Veen Grab
   Plankton collector
   Avon w/ outboard
   XBT (50.00 each) SeaWatch/Yellowfin only
   Phleger Corer(Yellowfin only)
   Refractometer (handheld)
   Seabird
   YSI - (pH, temp, DO, salinity, conductivity, depth)
   Otter trawl ** MUST HAVE VALID COLLECTION PERMIT
   Phytoplankton net (handheld)
   Neuston net
   TSK flow meter
   Secchi disk
   Forel-Ule color scale
   Sediment sorter
   Compound microscope
   Nutrient Wet Chemistry ($20.00/kit)
   Diving platform (must be dive certified; check with Dive Officer 310.519.3172)

7. SPECIAL REQUEST: Other equipment may be available by special request and for additional costs. Please call Dan Warren at SCMI-310-519-3179 to arrange.

Signature       MUST BE SIGNED       Date: 6-16-09
CAPTAIN'S DATA SHEET
USC STATION: SPOTS

Date: Thursday July 9, 2009
Vessel: Sea Watch
Weather/cloud Cover: 
Bottom Depth: 900m

CTD (885m) CAST 1
Time (local): In: 07:52 Out: 10:10
Lat In: 33° 33.020
Long In: 118° 24.040
Lat Bottom: 33° 33.224
Long Bottom: 118° 24.105
Lat Out: 33° 33.486
Long Out: 118° 24.231

CTD (180m) CAST 2
Time (local): In: 10:38 Out: 11:08
Lat In: 33° 33.052
Long In: 118° 24.040
Lat Bottom: 33° 33.132
Long Bottom: 118° 24.083
Lat Out: 33° 33.270
Long Out: 118° 24.185

CTD (885m) CAST 3
Lat In: 33° 33.061
Long In: 118° 24.005
Lat Bottom: 33° 33.260
Long Bottom: 118° 24.217
Lat Out: 33° 33.636
Long Out: 118° 24.355

Captain: Dee  
Deck: Jim & Rob
Sea State (m)/direction: 
Wind Speed (knts)/direction: 

Plankton Tow: 100m Vertical #1
Time (local): In:  
Lat In: 
Long In: 
Lat Out: 
Long Out: 

Plankton Tow: 100m Vertical #2
Time (local): In:  
Lat In: 
Long In: 
Lat Out: 
Long Out: 

CTD (885m) CAST 4
Time (local): In:  
Lat In: 
Long In: 
Lat Bottom: 
Long Bottom: 
Lat Out: 
Long Out: 

Plankton Tow: 100m Vertical #3
Time (local): In:  
Lat In: 
Long In: 
Lat Out: 
Long Out: 

Plankton Tow: 100m Vertical #4
Time (local): In:  
Lat In: 
Long In: 
Lat Out: 
Long Out: 
**CTD CAST SHEET**

CRUISE ID: 090709  
DATE: July 9, 2009  
VESSEL: RV Sea Watch  
CAPT:  
CAST DEPTH (m): 885m  
SEA STATE:  
DIRECTION:  
CLOUD COVER:  
CAST #: A  
STATION: SPOTS  
LAT: 33 33.00  
LONG: 118°24.00  
CREW:  
BOTTOM DEPTH (m): 900  
WIND SPEED (knts):  
DIRECTION:  
SURFACE TEMP (c): 18.93

OPERATORS/SAMPLERS: Fuhrman/Caron labs

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**Equipment Information:**

CTD SN:  
Cond./Temp. SN:  
Oxygen SN: YSI/SeaBird  
Seapoint Fluorometer:  
C STAR SN:  
CONFIG FILE: July07cal.cfg  
COMPUTER: Dell Inspiron 5000  
Software Version: SeaSave  
Disk Backup: (YES)  
File Names:  
Other Instruments/Comments: bottom contact switch

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**CTD CAST SHEET**

CRUISE ID: 090709  
DATE: July 9, 2009  
VESSEL: RV SEA WATCH  
CAPT:  
CAST #: B  
STATION: SPOTS  
LAT: 33 33.00  
LONG: 118°24.00  
BOTTOM DEPTH (m): 900  
WIND SPEED (knts):  
DIRECTION:  
SURFACE TEMP (°): 19.2

OPERATORS/SAMPLERS: Hammond cast sampled by T. Gunderson

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**Equipment Information:**

- CTD SN:  
- Cond./Temp. SN:  
- Oxygen SN: YSI/SeaBird  
- Seapoint Fluorometer:  
- C STAR SN:  
- CONFIG FILE: July07cal.cfg  
- COMPUTER: Dell Inspiron 5000  
- Software Version: SeaSave  
- Disk Backup: (YES)  
- File Names:  
- Other Instruments/Comments: no bottom contact switch

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**NISKIN # | DEPTH (m) | ACTUAL DEPTH (m) | TIME FIRED | TEMP | SALINITY/O2/pH**

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**CTD CAST SHEET**

CRUISE ID: 090709  
DATE: July 9, 2009  
VESSEL: RV SEA WATCH  
CAPT:  
CAST DEPTH (m): 885  
SEA STATE:  
DIRECTION:  
CLOUD COVER:  

CAST #: C  
STATION: SPOTS  
LAT: 33 33.00  
LONG: 118° 24.00  
CREW:  
BOTTOM DEPTH (m): 900  
WIND SPEED (knts):  
DIRECTION:  
SURFACE TEMP (°C): 9.1  

OPERATORS/SAMPLERS: Wrigley cast (T. Gunderson and company)

---

**Equipment Information:**

- CTD SN:  
- Cond./Temp. SN:  
- Oxygen SN: YSI/SeaBird  
- Seapoint Fluorometer:  
- C STAR SN:  
- CONFIG FILE: July07cal.cfg  
- COMPUTER: Dell Inspiron 5000  
- Software Version: SeaSave  

Disk Backup: (YES)  
File Names:  
Other Instruments/Comments: bottom contact switch

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## TIME SERIES SAMPLE SHEET

- **Vessel:** R/V Sea Watch  
- **Date:** July 9, 2009  
- **Captain:**  
- **Deck Hands:**  
- **Station:** SPOTS  
- **Operators/Samplers:** T. Gunderson and company

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