020711-Cruise Report

Cruise Date: Thursday July 11, 2002
Personnel: X. Hernandez, I. Hewson, A. Schnetler
Vessel: R/V Sea Watch
Crew: K. Kivett (Cap), D. Reynoso (Deck.)

08:30 - CTD A in water. Cast depth: 500m. Bottom depth: 900m. File: 020711A
Latitude: 33° 32.985' N
Longitude: 118° 24.023 W
Weather/cloud cover: 80% cloudy
Sea state (m)/direction: 1 M
Wind speed (knots)/direction: WSW 5 Knts
Nominal depths: 500m, 150m, 35m, 5m

09:11 - CTD on deck:
Water for Dr. Fuhrman and Dr Caron MICRO-OBS

09:35 - CTD B in water File: 020711B.
Latitude: 33° 33.060 N
Longitude: 118° 24.040 W
Weather/cloud cover: 100% cloudy
Sea state (m)/direction: 1M
Wind speed (knots)/direction: 5 Knts @ 315oM
Nominal depths: 500m, 150m, 35m, 5m

09:45 - CTD on Deck
Four bottles fired at approximately 14 meters

10:01 - CTD C in water. Cast depth: 130m. Bottom depth: 900m. File: 020711C.
Latitude: 33° 33.021' N
Longitude: 118° 24.009 W
Weather/cloud cover: 100% cloudy
Sea state (m)/direction: 1 M
Wind speed (knots)/direction: 5 Knts at 315o
Nominal depths: 500m, 400m, 300m, 200m, 100m, 60m, 50m, 40m, 30m, 20m, 10m, surface

10:50 - CTD on deck:
Samples taken:
Chlorophyll 8 depths (surf-100)
Nutrients-replicates 12 depths
Salinity 12 depths
Captain Data Sheet  USC Time Series

Date: 7/11/02  Captain: KK
Vessel: Sea Watch  Deck: David

CTD 1

Time in: 0830  out: 
Lat. in: 33°33.00'  
Lon. in: 118°24.00'
Lat. bottom: 33°32.967'  
Lon. bottom: 118°24.017'
Lat. out: 33°32.963'  
Lon. out: 118°24.087'

Weather/cloud cover: 80%
Sea state (m) /direction: LM
Wind speed (knots) /direction: 3 KTS 615°
Bottom depth: 900m

CTD 2

Time in: 0935  out: 0945
Lat. in: 33°33.060'
Lon. in: 118°24.040'
Lat. bottom: 33°32.966'
Lon. bottom: 118°23.96'
Lat. out: 33°32.966'
Lon. out: 118°23.96'

Weather/cloud cover: 100%
Sea state (m) /direction: L
Wind speed (knots) /direction: 5 KTS 315°
Bottom depth: 400m

CTD 3

Time in: 1001  out: 1050
Lat. in: 33°33.023'
Lon. in: 118°24.021'
Lat. bottom: 33°33.012'
Lon. Bottom: 118°24.014'
Lat. out: 33°32.986'
Lon. out: 118°23.965'

Weather/cloud cover: 
Sea state (m) /direction: 
Wind speed (knots) /direction: 
Bottom depth: 

Plankton Tow (phyto/zoo)

Time in: 1057  out: 1116
Lat. in: 33°37.854'
Lon. in: 118°23.75'
Lat. out: 33°32.711'
Lon. out: 118°23.281'

Weather/cloud cover: 
Sea state (m) /direction: 
Wind speed (knots) /direction: 
Bottom depth: 

### CTD CAST SHEET

**Cruise I.D.:** 071102A  
**Cast #:** A  
**Station:** Time Series  
**Latitude:** 33°33.00 N  
**Longitude:** 118°24.00 W  
**Bottom Depth (m):** 900  
**Cast Depth (m):** 500  
**Temp (°C):** 19.63  
**Oxygen (ml/L):**  
**Salinity:**  
**Fluro:**  

**Equipment Info**

- **CTD SN:** 0318  
- **O2 SN:** 130459  
- **C Star SN:** CST-152R  
- **Computer:** DELL Inspiron 5000  
- **Cond/Temp SN:** 1196/1490  
- **WETStar SN:** WS3S-281  
- **Configuration File:** 911-4.con  
- **Software Version:** seasave 4.246  

**Disk Backup:** (YES) (NO)  
**File Names:**  
**Other Instruments:**  

### Niskin # Desired Depth (m) Actual Depth (m) Time Tripped Temp/Comments

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CTD CAST SHEET

Cruise I.D. 071102.B
Date: 7-11-02
Time (GMT/Local): 
Vessel: SEAWATCH
Captain/Deck: K. Kiewit, D. Bischoff
Cloud Cover: 
Sea State (m): 
Direction: 
Wind Speed (knts): 
Direction: 
Operators/Samplers: 

Cast #: B
Station: Time Series
Latitude: 33°33.00 N
Longitude: 118°24.00 W
Bottom Depth (m): 900m
Cast Depth (m): 
Temp (°C): 
Oxygen (ml/L): 
Salinity: 
Fluro: 

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Equipment Info
CTD SN: 0318
O2 SN: 130459
C Star SN: CST-152R
Computer: DELL Inspiron 5000
Disk Backup: (YES) (NO)
File Names: 
Other Instruments:

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Cond/Temp SN: 1196/1490
WETStar SN: WS3S-281
Configuration File: 911-4.con
Software Version: seasave 4.246

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Niskin # Desired Depth (m) Actual Depth (m) Time Tripped Temp/Comments
1 16°C 14.0 9:43 16.1
2 13.8 13.8 16.18
3 13.87 16.19
4 13.73 16.2
5
6
7
8
9
10
11
12

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CTD CAST SHEET

Cruise I.D. 071102
Date: 7-11-02
Time (GMT/Local): 
Vessel: SEA WATCH
Captain/Deck: K.Kuehn / D.Reynoso
Cloud Cover: 
Sea State (m): 
Direction: 
Wind Speed (knts): 
Direction: 
Operators/Samplers: 

Cast #: C
Station: Time Series
Latitude: 33°33.00 N
Longitude: 118°24.00 W
Bottom Depth (m): 900
Cast Depth (m): 800
Temp (°C): 19.5
Oxygen (ml/L): 3.58
Salinity: 33.62
Fluro: 1.72

Equipment Info
CTD SN: 0318
O2 SN: 130459
C Star SN: CST-152R
Computer: DELL Inspiron 5000
Disk Backup: (YES) (NO)
File Names:
Other Instruments:
Cond/Temp SN: 1196/1490
WETStar SN: WS3S-281
Configuration File: 911-4.con
Software Version: seasave 4.246

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*ALWAYS very spiky going down - computer died! - Check battery
# TIME SERIES SAMPLE SHEET

Cruise ID: 071102C  
Date: July 11, 2002  
File:  
Station: Time Series  
Operators/Samplers: X. Hernandez, J. Henson

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