**CAPTAIN'S DATA SHEET**  
**USC STATION: SPOT**

| Date: | Tues. July 25, 2006 |
| Vessel: | Sea Watch |
| Weather/Cloud Cover: | |
| Bottom Depth: | 900m |

**CTD (900m) CAST 1**

| Time (local): | In 10:05 Out 11:25 |
| Lat In: | 33° 32' 7815 |
| Long In: | 118° 23' 9266 |
| Lat Bottom: | 33° 32' 9905 |
| Long Bottom: | 118° 24' 1027 |
| Lat Out: | 33° 33' 6512 |
| Long Out: | 118° 25' 3056 |

**CTD (900m) CAST 2**

| Time (local): | In 12:01 Out 13:00 |
| Lat In: | 33° 32' 7772 |
| Long In: | 118° 23' 7779 |
| Lat Bottom: | 33° 32' 8973 |
| Long Bottom: | 118° 23' 9674 |
| Lat Out: | 33° 33' 7564 |
| Long Out: | 118° 24' 1157 |

**CTD (900m) CAST 3**

| Time (local): | In 13:45 Out 14:47 |
| Lat In: | 33° 32' 8310 |
| Long In: | 118° 23' 7844 |
| Lat Bottom: | 33° 33' 6932 |
| Long Bottom: | 118° 23' 9834 |
| Lat Out: | 33° 33' 5659 |
| Long Out: | 118° 24' 1148 |

**Plankton Drift: Cmax for D.Hammond**

| Time (local): | In 14:58 Out 15:16 |
| Lat In: | 33° 32' 8872 |
| Long In: | 118° 23' 9310 |
| Lat Out: | 33° 34' 3240 |
| Long Out: | 118° 23' 5644 |

**Plankton Tow: 100m Vertical #1**

| Time (local): | In Out |
| Lat: | 33° |
| Long: | |
| Lat: | 33° |
| Long: | |

**Plankton Tow: 100m Vertical #2**

| Time (local): | In Out |
| Lat: | 33° |
| Long: | |
| Lat: | 33° |
| Long: | |
## CTD CAST SHEET

**Cruise ID:** 060725  
**Date:** July 25, 2006  
**Vessel:** RV Sea Watch  
**Captain:** K. Kivett  
**Cast Depth (m):** 885m  
**Sea State:**  
**Direction:**  
**Cloud Cover:** 100%  

**Operators/Samplers:** A. Patel, B. Scharffner

### Equipment Information:
- **CTD SN:**  
- **Oxygen SN:** YSI/SeaBird  
- **C Star SN:**  
- **Computer:** Dell Inspiron 5000  
- **Cond./Temp. SN:**  
- **Seapoint Fluorometer:**  
- **Config File:** Oct05cal.cfg  
- **Software Version:** SeaSave

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

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**Time In:** 08:51  
**Time out:** 10:06 (redemption)

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### NISKIN #  | DEPTH (m) | ACTUAL DEPTH (m) | TIME FIRED | TEMP | SALINITY/O2/PH
---|---|---|---|---|---
1 | 885 | 885 | 10:24 | 5.198 | 34.396/0.20/7.95
2 | 885 | 885 | 10:24 | 5.198 | 34.396/0.20/7.95
3 | 885 | 885 | 10:24 | 5.198 | 34.396/0.20/7.95
4 | 500 | 500 | 10:52 | 5.198 | 34.396/0.20/7.95
5 | 500 | 500 | 10:52 | 5.198 | 34.396/0.20/7.95
6 | 150 | 150 | 11:13 | 9.61 | 34.03/1.63/7.94
7 | 150 | 150 | 11:13 | 9.61 | 34.03/1.63/7.94
8 | 150 | 150 | 11:13 | 9.61 | 34.03/1.63/7.94
9 | Cmax | 28.4 | 11:21 | 13.91 | 33.39/3.98/8.28
10 | Cmax | 28.5 | 11:21 | 13.91 | 33.39/3.98/8.28
11 | 5 | 5.2 | 11:23 | 22.9 | 33.52/3.75/5.33
12 | 5 | 5.2 | 11:23 | 22.9 | 33.52/3.75/5.33

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**Notes:**
1. Hit bottom; did not get accurate depth, beam transmission, brought online of flushback cell/pump of pressure calibrator.
2. Niskin #8 guyar had TOA brake; replaced & re-deployed.
3. Beam transmission on downcast had a significant underestimate between ~500-800m.
CTD CAST SHEET

CRUISE ID: 060725  
DATE: July 25, 2006  
VESSEL: RV SEA WATCH  
CAPT: K. Kivett
CAST #: B  
STATION: SPOTS  
LAT: 33 33.00  
LONG: 118 24.00  
CREW:

CAST DEPTH (m): 885  
BOTTOM DEPTH (m): 900  
SEA STATE:  
WIND SPEED (kts):  
DIRECTION:  
SURFACE TEMP (°C):  
CLOUD COVER:  

OPERATORS/SAMPLERS: T. Gunderson, R. Hamersley

Equipment Information:
CTD SN:  
Cond./Temp. SN:  
Oxygen SN: YSI/SeaBird  
Seapoint Fluorometer:  
C STAR SN: CONFIG FILE: Oct05cal.cfg  
COMPUTER: Dell Inspiron 5000  
Software Version: SeaSave  
Disk Backup: (YES) (NO)  
File Names:  
Other Instruments/Comments: bottom contact switch

\[
\text{Chl\text{, max}} \leq 33 \text{m}
\]

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<th>ACTUAL DEPTH (m)</th>
<th>TIME FIRED</th>
<th>TEMP</th>
<th>SALINITY/Comments</th>
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Note: 1) Same offset with transmissometer as w/ cast A, but bigger
# CTD CAST SHEET

**CRUISE ID:** 060725  
**DATE:** July 25, 2006  
**VESSEL:** RV Sea Watch  
**CAPT:** K. Kivett  
**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):**  

**OPERATORS/SAMPLERS:** T. Guinderson, W. Beamont, R. Hanestad, B. Schaffner

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**Equipment Information:**

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**CHL max = 0.80m**

**Time In:** 13:45 (Local)

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**Note:** (1) Same problem w/ transmissometer as first 2 deployments
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Station: SPORTS
Deck Hands: K. Kiyett

File: 060725C
Date: July 25, 2006
Vessel: R/V Sea Watch

TIME SERIES SAMPLE SHEET
PLANKTON TOW CAST SHEET
SPOT 2006

Date: July 25, 2006
Vessel: R/V Sea Watch

100m Vertical Tow – Cast # 1
PHYTO Plankton Tow: 100m Vertical
Time (local): In ___ Out: ___
Depth: 100m
Net Mesh Size: cm x 20um
Flowmeter ID: no flowmeter
Begin: ___
End: ___
Preserved in 1% Formalin

Plankton Drift: Cmax for D.Hammond
Time (local): In ___ Out: ___
Depth: Chla Max @
Net Mesh Size: 50cm x 200um

100m Vertical Tow – Cast # 2
ZOO Plankton Tow:
Time (local): In ___ Out: ___
Depth: 100m
Net Mesh Size: 50cm x 200um
Flowmeter ID: 100905
Begin: ___
End: ___
Preserved in 1% Formalin

Deck: Dennis & Bob
Captain: K. Kivett