CAPTAIN'S DATA SHEET
USC STATION: SPOT

Date: July 9, 2012
Vessel: RV Yellowfin
Weather/cloud Cover: 70% in an overcast
Sea State (m)/direction: 1-3 ft, 155W
Bottom Depth: 900m

Captain: Dee
Deck: David & Bob
Wind Speed (knts)/direction: <10-15 knts

CTD (885m) CAST 1
Time (local): In 08:48 Out: 08:48
Lat In: 33° 32.98' N
Long In: 118° 23.99' W
Lat Bottom: 33° 33.01' N
Long Bottom: 118° 23.70' W
Lat Out: 33° 33.05' N
Long Out: 118° 23.30' W

CTD (885m) CAST 2
Time (local): In 10:32 Out: 10:32
Lat In: 33° 32.98' N
Long In: 118° 23.99' W
Lat Bottom:
Long Bottom:
Lat Out:
Long Out:

CTD (below mixed layer) CAST 3
Time (local): In Out:

Lat In:
Long In:
Lat Bottom:
Long Bottom:
Lat Out:
Long Out:

\[ \frac{3.6}{5.18} \times \frac{9}{32.4} + \frac{33}{64.4} \]
CAPTAIN'S DATA SHEET
USC STATION: SPOTS

Date: July 9, 2012
Vessel: R/V Yellowfin
Weather/cloud Cover: 
Bottom Depth: 900m

Captain: 
Deck: 
Sea State (m)/direction: 
Wind Speed (knts)/direction: 

CTD (180m) CAST 4
Time (local): In Out:
Lat In: 
Long In: 
Lat Bottom: 
Long Bottom: 
Lat Out: 
Long Out: 

CTD (885m) CAST 5
Time (local): In Out:
Lat In: 
Long In: 
Lat Bottom: 
Long Bottom: 
Lat Out: 
Long Out:
## CTD CAST SHEET

| CRUISE ID: | 120709A | CAST #: | A |
| DATE: | July 9, 2012 | STATION: | SPOT |
| VESSEL: | R/V Yellowfin | LAT: | 33.33.00 |
| CAPT: | | LONG: | 118°24.00 |
| CAST DEPTH (m): | 885m | CREW: | |
| SEA STATE: | | BOTTOM DEPTH (m): | 900 |
| DIRECTION: | | WIND SPEED (knts): | |
| CLOUD COVER: | | DIRECTION: | |
| SURFACE TEMP (°C): | 18.09 | |

**OPERATORS/SAMPLERS:** Fuhrman/Caron labs

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**Equipment Information:**

- CTD SN: 1095
- Cond./Temp. SN: |
- Oxygen SN: YSI/SeaBird
- Seapoint Fluorometer: |
- C STAR SN: |
- CONFIG FILE: 1095.xmlcon
- COMPUTER: Dell Inspiron 5000
- Software Version: SeaSave
- Disk Backup: (YES) (NO)
- File Names: |
- Other Instruments/Comments: |

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![Chl max 32m](image)

### Niskin # Target Depth(m) Actual Depth(m) Time Fired Temp (°C) Salinity (ppt) Oxygen ml/L Fluor. ug/L

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### CTD CAST SHEET

**CRUISE ID:** 120709B  
**DATE:** July 9, 2012  
**VESSEL:** R/V Yellowfin  
**CAST #:** B  
**STATION:** SPOT  
**LAT:** 33°33.00'  
**LONG:** 118°24.00'  
**CREW:**  
**BOTTOM DEPTH (m):** 900  
**WIND SPEED (knts):**  
**DIRECTION:**  
**SURFACE TEMP (°C):** 18/16  

**OPERATORS/SAMPLERS:** Dimensions: Rohan

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**Equipment Information:**

- CTD SN:  
- Cond./Temp. SN:  
- Oxygen SN: YSI/SeaBird  
- Seapoint Fluorometer:  
- C STAR SN:  
- CONFIG FILE: Oct2011cal.cfg  
- COMPUTER: Dell Inspiron 5000  
- Software Version: SeaSave  
- Disk Backup: (YES)  
- (NO)  
- File Names:  
- Other Instruments/Comments: bottom contact switch

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#### Notes:

\[ \text{Chl max \geq 32m} \]

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#### Niskin # | Target Depth(m) | Actual Depth(m) | Time Fired | Temp. (°C) | Salinity (ppt) | Oxygen ml/L | Fluor. ug/L
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1 | 885 | 885 |  |  |  |  |  
2 | 885 | 885 |  |  |  |  |  
3 | 885 | 885 |  |  |  |  |  
4 | 885 | 885 |  |  |  |  |  
5 | 885 | 885 |  |  |  |  |  
6 | 885 | 885 |  |  |  |  |  
7 | 885 | 885 |  |  |  |  |  
8 | 885 | 885 |  |  |  |  |  
9 | 885 | 885 |  |  |  |  |  
10 | 885 | 885 |  |  |  |  |  
11 | 885 | 885 |  |  |  |  |  
12 | 885 | 885 |  |  |  |  |  

**CTD CAST SHEET**

CRUISE ID: 120709C  
CAST #: C  
DATE: July 9, 2012  
STATION: SPOT  
VESSEL: R/V Yellowfin  
LAT: 33° 33.00'  
LONG: 118° 24.00'  
CREW:  
CAST DEPTH (m): 20m below ML  
BOTTOM DEPTH (m): 900  
SEA STATE:  
WIND SPEED (knts):  
DIRECTION:  
SURFACE TEMP (°C):  
CLOUD COVER:  
DIRECTION:  
OPERATORS/SAMPLERS: Willie Haskell (Be cast)  
(80 L @ 20m below mixed layer, 40L within mixed layer)

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# CTD CAST SHEET

**CRUISE ID:** 120709D  
**DATE:** July 9, 2012  
**VESSEL:** R/V Yellowfin  
**CAPT:**  
**CAST DEPTH (m):** 180  
**SEA STATE:**  
**DIRECTION:**  
**CLOUD COVER:**  

**CAST #:** D  
**STATION:** Spot  
**LAT:** 33.33.00  
**LONG:** 118°24.00  
**CREW:**  
**BOTTOM DEPTH (m):** 900  
**WIND SPEED (kts):**  
**DIRECTION:**  
**SURFACE TEMP (°C):**  

**OPERATORS/SAMPLES:** Hammond’s Thorium cast & Sergio’s cast

### Equipment Information:
- **CTD SN:**  
- **Oxygen SN:** YSI/SeaBird  
- **C STAR SN:**  
- **COMPUTER:** Dell Inspiron 5000  
- **Cond./Temp. SN:**  
- **Seapoint Fluorometer:**  
- **CONFIG FILE:** 1095.xmlcon  
- **Software Version:** SeaSave  
- **Disk Backup:** (YES)  
- **File Names:**  
- **Other Instruments/Comments:** no bottom contact switch

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**CTD CAST SHEET**

CRUISE ID: 120709E

DATE: July 9, 2012

VESSEL: R/V Yellowfin

CAST #: E

STATION: SPOT

LAT: 33 33.00

LONG: 118°24.00

CREW:

CAST DEPTH (m): 885

BOTTOM DEPTH (m): 900

SEA STATE:

WIND SPEED (knts):

DIRECTION:

DIRECTION:

CLOUD COVER:

SURFACE TEMP (°C):

OPERATORS/SAMPLERS: Wrigley cast (Troy Gunderson)

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**Equipment Information:**

CTD SN:

Cond./Temp. SN:

Oxygen SN: YSI/SeaBird

Seapoint Fluorometer:

C STAR SN:

CONFIG FILE: 1095.xml

COMPUTER: Dell Inspiron 5000

Software Version: SeaSave

Disk Backup: (YES) (NO)

File Names:

Other Instruments/Comments:

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**Niskin #**

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