

# DAILY LOG BOOK

MISSION  
NUMBER

2003-32

DATE:

From: 18 August 2003

to: 26 August 2003

VESSEL:

JOHN P TULLY

PROJECT:

ARGO

INSTITUTE OF OCEAN SCIENCES  
OCEAN SCIENCES AND PRODUCTIVITY DIVISION  
SIDNEY, BC, CANADA

|                 |            |                |                |
|-----------------|------------|----------------|----------------|
| Captain:        | PAUL FROST | First Officer: | GARY McDONNELL |
| Second Officer: | AL LYNDEN  | Third Officer: | ZIG CHARMA     |

Mission Participants / Agencies: TOS

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Data logging computer: F501  
 Data acquisition program: Seaview Win32 v 5.2.9 b  
 CTD deck unit make: Seabird model: 11+ serial number: 0619  
 Primary CTD

Make: Seabird model: 90+ serial number: 0550

Primary temperature serial number: 2038

Primary conductivity serial number: 2173

Secondary temperature serial number: 1729

Secondary conductivity serial number: 2968

Transmissometer: water Model: \_\_\_\_\_ s/n: 49830

Fluorometer: Model Seapoint Cable gain: X0 s/n: 2229 P, S or NO pump?

Oxygen sensor: \_\_\_\_\_ Model: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

PAR sensor: \_\_\_\_\_ Model: \_\_\_\_\_ s/n: \_\_\_\_\_

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

## Secondary CTD

Make: \_\_\_\_\_ model: \_\_\_\_\_ serial number: \_\_\_\_\_

Primary temperature serial number: \_\_\_\_\_

Primary conductivity serial number: \_\_\_\_\_

Secondary temperature serial number: \_\_\_\_\_

Secondary conductivity serial number: \_\_\_\_\_

Transmissometer: \_\_\_\_\_ Model: \_\_\_\_\_ s/n: \_\_\_\_\_

Fluorometer: Model \_\_\_\_\_ Cable gain: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

Oxygen sensor: \_\_\_\_\_ Model: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

PAR sensor: \_\_\_\_\_ Model: \_\_\_\_\_ s/n: \_\_\_\_\_

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_ P, S or NO pump?

CTD calibration bottle location (height above CTD in metres):

Rosette Setup:

Number of bottles: \_\_\_\_\_ (Ocean Test Equip., General Oceanics, IOS)  
Manufacturer: \_\_\_\_\_  
Volume of bottles (litres): \_\_\_\_\_

Winches:

|          |         |        |        |           |       |           |     |
|----------|---------|--------|--------|-----------|-------|-----------|-----|
| 1. Make: | HAWBOLT | model: | B 324L | serial #: | 17026 | used for: | CTD |
| 2. Make: |         | model: |        | serial #: |       | used for: |     |
| 3. Make: |         | model: |        | serial #: |       | used for: |     |
| 4. Make: |         | model: |        | serial #: |       | used for: |     |
| 5. Make: |         | model: |        | serial #: |       | used for: |     |
| 6. Make: |         | model: |        | serial #: |       | used for: |     |
| 7. Make: |         | model: |        | serial #: |       | used for: |     |

Comments: \_\_\_\_\_

Salinometer:

make: \_\_\_\_\_ model: \_\_\_\_\_ serial number: \_\_\_\_\_  
Comments: \_\_\_\_\_

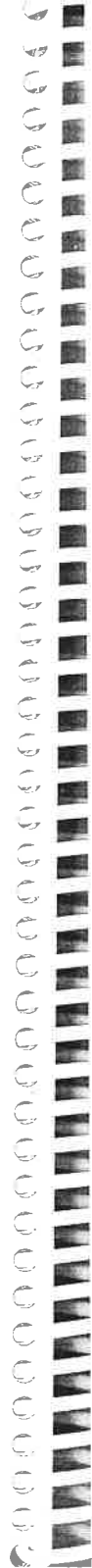
Thermosalinograph System:

Program: \_\_\_\_\_ Version: \_\_\_\_\_  
Sampling interval (seconds): \_\_\_\_\_  
Fluorometer sensor serial number: \_\_\_\_\_  
Comments: \_\_\_\_\_

ADCP Setup:

Computer time zone: \_\_\_\_\_ User Exits: Name: \_\_\_\_\_ Exit points: \_\_\_\_\_  
Sampling interval (sec): \_\_\_\_\_ Name: \_\_\_\_\_ Exit points: \_\_\_\_\_  
Bin Length: (2^x): \_\_\_\_\_ Name: \_\_\_\_\_ Exit points: \_\_\_\_\_  
Pulse Length: \_\_\_\_\_ Work File: \_\_\_\_\_  
Buffer (bytes): \_\_\_\_\_  
Gyro Offset: \_\_\_\_\_  
Comments: \_\_\_\_\_

Comments: \_\_\_\_\_



# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Month AUGUST |                     |            |           |               | Year 2003    |           |            | Ship JOHN P TULLY |           |                |              | Cruise ID 2003-32 |                |                                                                                          |
|--------------|---------------------|------------|-----------|---------------|--------------|-----------|------------|-------------------|-----------|----------------|--------------|-------------------|----------------|------------------------------------------------------------------------------------------|
| Day          | Station Name        | Time (UTC) | Cast type | Firing Method | Event Number | Position  |            | Bottom Depth      | Max Depth | Sample Numbers | # of Bottles | Watch keeper      | Trans. cleaned | Comments                                                                                 |
|              |                     |            |           |               |              | Latitude  | Longitude  |                   |           |                |              |                   |                |                                                                                          |
| 20           | ARGO 1              | 1447       | CTD       | BE            | 1            | 44° 59.83 | 127° 30.01 | 2910              |           |                |              |                   |                | Lots of ship motion, CTD speed goes from -0.2 → 1.9 m/s<br>Start using heave comp @ 700m |
|              |                     | 1519       |           | BO            |              | 44° 59.82 | 127° 29.86 |                   | 2001      |                | Ø            |                   | ✓              |                                                                                          |
|              |                     | 1540       |           | EN            |              | 44° 59.85 | 127° 29.76 |                   |           |                |              |                   |                |                                                                                          |
| 20           | ARGO 1              | 1543       | DRF       |               | ✓            | 44° 59.93 | 127° 29.75 |                   |           |                |              |                   |                | Deploy ARGO FLOAT 951                                                                    |
| 22           | ARGO 2              | 1233       | CTD       | BE            | 2            | 43° 29.99 | 137° 30.01 | 4104              |           |                |              |                   | ✓              |                                                                                          |
|              |                     | 1308       |           | BO            |              | 43° 30.04 | 137° 30.27 |                   | 2001      |                | Ø            |                   |                |                                                                                          |
|              |                     | 1332       |           | EN            |              | 43° 30.18 | 137° 30.25 |                   |           |                |              |                   |                |                                                                                          |
| 22           | ARGO 2              | 1337       | DRF       |               | ✓            | 43° 30.32 | 137° 30.23 |                   |           |                |              |                   |                | Deploy ARGO FLOAT 953                                                                    |
| 23           | ARGO <sup>5</sup> 8 | 2005       | CTD       | BE            | 3            | 46° 12.04 | 139° 59.93 | 4319              |           |                |              |                   | ✓              | CTD speed varies a lot<br>big swell                                                      |
|              |                     | 2033       |           | BO            |              | 46° 12.04 | 139° 59.94 |                   | 2000      |                | Ø            |                   |                |                                                                                          |
|              |                     | 2059       |           | EN            |              | 46° 12.06 | 139° 59.99 |                   |           |                |              |                   |                |                                                                                          |
| 23           | ARGO <sup>5</sup> 8 | 2103       | DRF       |               | ✓            | 46° 12.03 | 140° 00.02 |                   |           |                |              |                   |                | Deploy ARGO FLOAT 957                                                                    |
|              |                     |            |           |               |              |           |            |                   |           |                |              |                   |                |                                                                                          |
|              |                     |            |           |               |              |           |            |                   |           |                |              |                   |                |                                                                                          |
|              |                     |            |           |               |              |           |            |                   |           |                |              |                   |                |                                                                                          |
|              |                     |            |           |               |              |           |            |                   |           |                |              |                   |                |                                                                                          |
|              |                     |            |           |               |              |           |            |                   |           |                |              |                   |                |                                                                                          |
|              |                     |            |           |               |              |           |            |                   |           |                |              |                   |                |                                                                                          |
|              |                     |            |           |               |              |           |            |                   |           |                |              |                   |                |                                                                                          |

Cast type: USW = sea water loop • bottle firing method: • Time Code  
 BOT = bottle cast, no CTD MOR = mooring • US = up / stop • BE = beginning time of cast DE = deployment time  
 CTD = CTD without Rosette NET = net haul • UN = up / no stop • BO = bottom time of cast MR = messenger release time  
 ROS = Rosette plus CTD DRF = drifter • DN = down / no stop • EN = end of cast time RE = recover mooring time

Transmissometer to be cleaned for each cast, do not use Ammonia products

22 March 2002  
Daily\_log\_book.doc

FLOAT 951: WAKE-UP TIME:

FLOAT 953: WAKE-UP TIME 0503 LOCAL, 1203 UTZ, 22 AUGUST

@ 5 dbar: <sup>T</sup>16.74 <sup>S</sup>32.72

FLOAT 957: WAKE-UP TIME: 1807, 23 AUG. UTZ