

CRUISE  
NUMBER

9801

DAILY LOG  
INSTITUTE OF OCEAN SCIENCES  
OCEAN PHYSICS

DATE

Feb 16-27 98

VESSEL

VECTOR

PROJECT

Saanich / Jervis euphausiids,  
Haro / JdF nutrient flux,  
Strait of Georgia

Captain: \_\_\_\_\_ First Officer: \_\_\_\_\_  
Second Officer: \_\_\_\_\_ Third Officer: \_\_\_\_\_  
Cruise Participants / Agencies: DFD  
Scientific Personnel: Party Chief: D.R. Yelland

| Name               | Watch | Cabin | Name  | Watch | Cabin |
|--------------------|-------|-------|-------|-------|-------|
| <u>D. Moore</u>    | _____ | _____ | _____ | _____ | _____ |
| <u>S. Roman</u>    | _____ | _____ | _____ | _____ | _____ |
| <u>D. Mackas</u>   | _____ | _____ | _____ | _____ | _____ |
| <u>E. Bornhold</u> | _____ | _____ | _____ | _____ | _____ |
| <u>S. Dute</u>     | _____ | _____ | _____ | _____ | _____ |
| <u>M. Roman</u>    | _____ | _____ | _____ | _____ | _____ |
| <u>Erin</u>        | _____ | _____ | _____ | _____ | _____ |
| _____              | _____ | _____ | _____ | _____ | _____ |
| _____              | _____ | _____ | _____ | _____ | _____ |

Second leg of cruise: Party Chief: \_\_\_\_\_

| Name  | Watch | Cabin | Name  | Watch | Cabin |
|-------|-------|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |

Data logging system: Unit no.: \_\_\_\_\_

Program Name: \_\_\_\_\_ Program version: \_\_\_\_\_  
CTD deck unit make: \_\_\_\_\_ model: \_\_\_\_\_ serial no.: \_\_\_\_\_  
Computer make: \_\_\_\_\_ model: \_\_\_\_\_ serial no.: \_\_\_\_\_

1st CTD make: Gouldner model: 8715 serial no.: 58482  
Temperature sensor model: \_\_\_\_\_ serial no.: \_\_\_\_\_  
coefficients: slope: 9984798 offset: 0.0129419  
Conductivity sensor model: 87410 serial no.: 58816  
coefficients: slope: 1.002725 offset: 0.001191  
Pressure sensor range: \_\_\_\_\_ psi serial no.: \_\_\_\_\_  
coefficients: FSP: 3000 dB offset: \_\_\_\_\_  
Transmissometer model: SeaTech 25cm serial no.: EDR 004548 SN/36  
coefficients: slope: -2.0347 offset: 101.7348

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

## DAILY LOG

## OCEAN PHYSICS

## INSTITUTE OF OCEAN SCIENCES

| YEAR 1998 |            |           |            | MONTH Feb |                    | SHIP VECTOR |            |               |                  | CRUISE 9801            |                 |              |      | PAGE                                       | OF |
|-----------|------------|-----------|------------|-----------|--------------------|-------------|------------|---------------|------------------|------------------------|-----------------|--------------|------|--------------------------------------------|----|
| DAY (UTC) | STATION ID | CAST TYPE | TIME (UTC) | TIME CODE | STD/HYDRO CONSEC # | LATITUDE    | LONGITUDE  | POSITION CODE | BOTTOM DEPTH (m) | MAX SAMPLING DEPTH (m) | CONSEC SAMPLE # | # OF BOTTLES | INIT | COMMENTS                                   |    |
| 17        | 01         | BION      | 2303       |           | 01                 |             |            |               | var 150m         | 150m                   | 1               |              |      | Failed tow, hit bottom                     |    |
| 18        | 02         | BION      | 2255       |           | 02                 | 48°39.5     | 123°31.4   |               | var              |                        | 2               |              |      | BIONEES calibration tow                    |    |
| 19        | JdF        | Bongo     | 1445       |           | 03                 | 48°16.0     | 123°25.1   |               | 150m             | 0-135                  | 3-1             |              |      | 0-135 Bongo VNH                            |    |
| "         | "          | "         | 1500       |           | "                  | "           | "          |               | "                | 0-50m                  | 3-2             |              |      | 0-50m Bongo VNH                            |    |
| "         | "          | ROS       | 1607       |           | 03                 | 48 15.99    | 123 25.00  |               | 156              | 150                    | 01 - 08         | 8            |      | check file name -                          |    |
| 19        | S.11       | ROS       | 1724       |           | 04                 | 48° 15.78   | 123° 10.01 |               | 132              | 127                    | 9-16            | 8            |      | 9800 ?                                     |    |
| 19        | Helmk      | ROS       | 1829       |           | 05                 | 48° 22.83   | 123° 02.61 |               | 154              | 147                    | 17-24           | 8            |      |                                            |    |
| 19        | "          | BonBo     |            |           | 05                 |             |            |               | "                | 142                    | 5-1             | -            |      |                                            |    |
| 19        | "          | BonBo     | 1902       |           | 05                 |             |            |               | "                | 50                     | 5-2             | -            |      |                                            |    |
| 19        | SH11       | ROS       | 2000       |           | 06                 | 48° 28.69   | 123° 08.47 |               | 261              | 253                    | 25-34           | 10           |      |                                            |    |
| 19        | HARO       | ROS       | 2118       |           | 07                 | 48° 33.78   | 123° 13.3  |               | 296              | 293                    | 35-44           | 10           |      | no surface samples                         |    |
| 19        | Stuart     | ROS       | 2235       |           | 08                 | 48 40.90    | 123 15.30  |               | 333              | 327                    | 45-55           | 11           |      | no 0, 10, 20 Oxygens taken (out of flasks) |    |
| 20        | Swainsm    | ROS       | 0001       |           | 09                 | 48 44.28    | 123 17.41  |               | 160              | 153                    | 56-63           | 8            |      | same as                                    |    |
| 20        | Satch      | ROS       | 0102       |           | 10                 | 48 43.40    | 123 25.81  |               | 45               | 78                     | 64-69           | 6            |      |                                            |    |
| 20        | Saan       | ROS       | 0143       |           | 11                 | 48 39.38    | 123 29.99  |               |                  | 177                    | 70-78           | 9            |      |                                            |    |
| 24        | McJerv     | BION      | 0452       |           | 12                 | 49 39.99    | 124 12.99  |               | 250              | 200                    |                 |              |      | night BIONEES @ mouth of Jervis            |    |
| 24        | Hotham     | BION      | 0715       |           | 13                 | 49 48.04    | 124 02.04  |               |                  | 252                    |                 |              |      | night BIONEES in Hotham Sound              |    |
| 25        | Hotham     | BION      | 1800       |           | 14                 | 49 49.99    | 124 13.0   |               | 5004             | 252                    |                 |              |      | Day BIONEES in Hotham Sound.               |    |

CAST TYPE -  
BOT -  
CTD -  
MOR -

bottle cast  
ctd  
mooring

ROS -  
NET -  
DRF -

rosette  
net haul  
dritter

USW -  
sea water loop

TIME CODE -

BE -  
BO -  
EN -

beginning time of cast  
bottom time of cast  
end of cast

DE -  
MR -  
RE -

deployment time  
messenger release  
recover mooring

POSITION CODE -

RAD -  
GPS -  
LOR -

RADAR  
GLOBAL  
LORAN

## DAILY LOG

## OCEAN PHYSICS

# INSTITUTE OF OCEAN SCIENCES

[illegible]

2 press at 5005  
5039

Sample number

12 press at 55  
100  
cond 235  
280  
325  
370

T/S 2487  
2488

15 remarks table full

Transmissivity  
Temperature

Sample number  
Pressure  
Salinity CTD  
Dissolved Oxygen: volume  
Flask Number  
Salinity: bottle

8, 9