

# DAILY LOG

CRUISE  
NUMBER

2000 - 16

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

June 26 - July 7, 2000

VESSEL

W.E. Ricker

PROJECT

High Seas Salmon Project

Captain: \_\_\_\_\_ First Officer: \_\_\_\_\_

Second Officer: \_\_\_\_\_ Third Officer: \_\_\_\_\_

Mission Participants / Agencies: \_\_\_\_\_

Scientific Personnel: \_\_\_\_\_ Party Chief: \_\_\_\_\_

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

| Second leg of Mission: Party Chief: |       |       |
|-------------------------------------|-------|-------|
| Name                                | Watch | Cabin |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |
| _____                               | _____ | _____ |

Data logging computer: \_\_\_\_\_  
Data acquisition program: \_\_\_\_\_  
CTD deck unit make: \_\_\_\_\_ model: \_\_\_\_\_ serial number: \_\_\_\_\_

Primary CTD  
Make: Seabird model: 911Plus serial number: 0506  
Primary temperature sensor serial number: 2710 Calibration date: 14-Dec-99s  
Primary conductivity sensor serial number: 2278 Calibration date: 16-Dec-99s  
Secondary temperature sensor serial number: 2095 Calibration date: 16-Jun-99s  
Secondary conductivity sensor serial number: 2280 Calibration date: 16-Dec-99s  
Other sensors: Transmissometer s/n: 197  
Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_  
Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_  
Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_

Secondary CTD  
Make: \_\_\_\_\_ model: \_\_\_\_\_ serial number: \_\_\_\_\_  
Primary temperature sensor serial number: \_\_\_\_\_ Calibration date: \_\_\_\_\_  
Primary conductivity sensor serial number: \_\_\_\_\_ Calibration date: \_\_\_\_\_  
Secondary temperature sensor serial number: \_\_\_\_\_ Calibration date: \_\_\_\_\_  
Secondary conductivity sensor serial number: \_\_\_\_\_ Calibration date: \_\_\_\_\_  
Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_  
Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_  
Other sensors: \_\_\_\_\_ s/n: \_\_\_\_\_

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

files 1 to 446

scans averaged by deck unit 10.

except file # 11 = 1.

# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Year 2000 |              |           |                           |           | Month June     |           |            | Ship          |              |           |                 | Cruise I.D.  |          |                               |
|-----------|--------------|-----------|---------------------------|-----------|----------------|-----------|------------|---------------|--------------|-----------|-----------------|--------------|----------|-------------------------------|
| Day       | Station I.D. | Cast Type | Time (UTC) <sup>PDT</sup> | Time Code | Consec. Number | Latitude  | Longitude  | Position Code | Bottom Depth | Max Depth | Consec Sample # | # of Bottles | initials | Comments                      |
| 27        | CA001        | CTD       | 04:37                     | BE        | 01             | 48 06.394 | 124 42.341 | ✓             | 26           |           |                 |              |          | 2nd sand - pretty bad         |
|           |              |           | 04:38                     | BO        | 01             | 48 06.292 | 124 42.360 |               |              | 22        |                 |              |          | spikes in data                |
|           |              |           | 04:39                     | EN        | 01             | 48 06.279 | 124 42.360 |               |              |           |                 |              |          |                               |
| 27        | CA02         | CTD       | 07:30                     | BE        | 02             | 48 10.550 | 124 55.913 | ✓             | 158          |           |                 |              |          | File no good - beyond surface |
|           |              |           | 07:35                     | BO        | 02             | 48 10.550 | 124 55.894 |               |              | 151       |                 |              |          | Rem in DAS version            |
|           |              |           | 07:38                     | EN        | 02             | 48 10.563 | 124 55.932 |               |              |           |                 |              |          | File looks O.K.               |
| 27        | CA03         | CTD       | 08:53                     | BE        | 03             | 48 08.771 | 124 59.764 | ✓             | 298          |           |                 |              |          | CTD Temp: 11.232              |
|           |              |           | 09:02                     | BO        | 03             | 48 08.656 | 124 59.705 |               |              | 278       |                 |              |          | Thermal Temp 11.214           |
|           |              |           | 09:07                     | EN        | 03             | 48 08.605 | 124 59.745 |               |              |           |                 |              |          | CTD Sal 31.                   |
|           |              |           |                           |           |                |           |            |               |              |           |                 |              |          | Thermal Sal 30.570            |
| 27        |              | CTD       | 10:29                     | BE        | 04             | 48 07.245 | 125 05.368 |               | 242          |           |                 |              |          | CTD 13.30                     |
|           |              |           | 10:35                     | BO        | 04             | 48 07.309 | 125 05.292 |               |              | 237       |                 |              |          | Thermal 13.64                 |
|           |              |           | 10:40                     | EN        | 04             | 48 07.322 | 125 05.292 |               |              |           |                 |              |          |                               |
| 27        | CA04         | CTD       | 11:15                     | BE        | 05             | 48 09.364 | 125 12.693 | ✓             | 253          |           |                 |              |          |                               |
|           |              |           | 11:21                     | BO        | 05             | 48 09.373 | 125 12.715 |               |              | 240       |                 |              |          |                               |
|           |              |           | 11:26                     | EN        | 05             | 48 08.055 | 125 08.714 |               |              |           |                 |              |          |                               |
| 27        | CA05         | CTD       | 13:06                     | BE        | 06             | 48 09.020 | 125 15.152 | ✓             | 127          |           |                 |              |          | Thermal Temp 13.718           |
|           |              |           | 13:09                     | BO        | 06             | 48 08.957 | 125 15.198 |               |              | 120       |                 |              |          | Ctd Temp 13.700               |
|           |              |           | 13:12                     | EN        | 06             | 48 08.926 | 125 15.245 |               |              |           |                 |              |          | Thermal Sal 31.111            |
|           |              |           |                           |           |                |           |            |               |              |           |                 |              |          | Ctd Sal 31.320                |

Cast type:

BOT = otter cast  
CTD = CTD  
MOR = mooring

ROS = Rosette  
NET = net haul  
DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast  
BO = bottom time of cast  
EN = end of cast time

DE = deployment time  
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RE = recover mooring time

# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Year 2000 |              |           |                           |           | Month June     |           |            | Ship W.E. RICKER |              |           |                 | Cruise I.D. 2000-16 |          |                                                    |
|-----------|--------------|-----------|---------------------------|-----------|----------------|-----------|------------|------------------|--------------|-----------|-----------------|---------------------|----------|----------------------------------------------------|
| Day       | Station I.D. | Cast Type | Time (UTC) <sup>PDT</sup> | Time Code | Consec. Number | Latitude  | Longitude  | Position Code    | Bottom Depth | Max Depth | Consec Sample # | # of Bottles        | initials | Comments                                           |
| 27        | CA 06        | CTD       | 14:20                     | BE        | 07             | 48 09.107 | 125 20.104 | ✓                | 108          |           |                 |                     |          |                                                    |
|           |              |           | 14:23                     | BO        | 07             | 48 09.115 | 125 20.092 |                  |              | 99        |                 |                     |          |                                                    |
|           |              |           | 14:25                     | EN        | 07             | 48 09.123 | 125 20.045 |                  |              |           |                 |                     |          |                                                    |
| 27        | CACX         | CTD       | 15:26                     | BE        | 08             | 48 09.019 | 125 41.276 | ✓                | 128          |           |                 |                     |          | Thermosal Temp 16.211<br>CTD Temp 15.551           |
|           |              |           | 15:30                     | BO        | 08             | 48 09.019 | 125 41.276 |                  |              |           |                 |                     |          | Thermosal Sal 30.627<br>CTD Sal 30.972             |
|           |              |           | 15:33                     | EN        | 08             | 48 09.019 | 125 41.276 |                  |              |           |                 |                     |          |                                                    |
| 27        | CACQ         | CTD       | 16:40                     | BE        | 09             | 48 08.862 | 125 32.92  | ✓                | 138          |           |                 |                     |          | Thermosal Temp 14.299<br>CTD Temp 14.150           |
|           |              |           | 16:44                     | BO        | 09             | 48 24.089 | 125 48.247 |                  |              | 130       |                 |                     |          | Thermosal Sal 30.856<br>CTD Sal 31.165             |
|           |              |           | 16:46                     | EN        | 09             | 48 24.026 | 125 48.247 |                  |              |           |                 |                     |          |                                                    |
| 27        | CACD         | CTD       | 17:50                     | BE        | 10             | 48 06.690 | 125 37.300 |                  | 169          |           |                 |                     |          | Thermosal Temp 13.629<br>CTD Temp 13.4133          |
|           |              |           | 17:57                     | BO        | 10             | 48 06.701 | 125 37.279 |                  |              | 162       |                 |                     |          | Thermosal Sal 30.972<br>CTD Sal 31.272             |
|           |              |           | 17:59                     | EN        | 10             | 48 06.711 | 125 37.330 |                  |              |           |                 |                     |          |                                                    |
| 30        | SS01         | CTD       | 05:26                     | BE        | 11             | 48 35.082 | 124 42.985 | ✓                | 27           |           |                 |                     |          | Thermosal Temp 11.144<br>CTD Temp                  |
|           |              |           | 05:27                     | BO        | 11             | 48 35.196 | 124 43.290 |                  |              | 25        |                 |                     |          | Thermosal Sal 30.478<br>CTD Sal                    |
|           |              |           | 05:29                     | EN        | 11             | 48 35.236 | 124 43.388 |                  |              |           |                 |                     |          | Trying windows software v. 1.17 w/ 0506ctd.win.com |
| 30        | SS03         | CTD       | 08:13                     | BE        | 12             | 48 35.151 | 125 04.021 | ✓                | 70           |           |                 |                     |          |                                                    |
|           |              |           | 08:16                     | BO        | 12             | 48 35.264 | 125 04.253 |                  |              | 60        |                 |                     |          | Switched back to DOS Seacave & 0506CTD.COM         |
|           |              |           | 08:19                     | EN        | 12             | 48 35.317 | 125 04.338 |                  |              |           |                 |                     |          | Thermosal Temp 11.307<br>CTD Temp 11.192           |
|           |              |           |                           |           |                |           |            |                  |              |           |                 |                     |          | Thermosal Sal 30.401<br>CTD Sal 30.751             |

Cast type:

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LAOI - Problems with con file → won't convert - Confile problem: Conflict with word lengths between .dat & .con files

# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Year |              | 2000      |            |           |                | Month     |            | June          |              | Ship      |                 | Cruise I.D.  |          |                                          |
|------|--------------|-----------|------------|-----------|----------------|-----------|------------|---------------|--------------|-----------|-----------------|--------------|----------|------------------------------------------|
| Day  | Station I.D. | Cast Type | Time (UTC) | Time Code | Consec. Number | Latitude  | Longitude  | Position Code | Bottom Depth | Max Depth | Consec Sample # | # of Bottles | initials | Comments                                 |
| 30   | SS05         | CTD       | 10:20      | BE        | 13             | 48 34.685 | 125 31.681 | ✓             | 113          |           |                 |              |          | Thermosal Temp 12.624<br>CTD Temp 12.433 |
|      |              |           | 10:23      | BO        | 13             | 48 34.717 | 125 31.827 |               |              | 105       |                 |              |          | Thermosal Sal 30.645<br>CTD Sal 31.021   |
|      |              |           | 10:26      | EN        | 13             | 48 34.750 | 125 31.827 |               |              |           |                 |              |          |                                          |
| 30   | SS06         | CTD       | 11:30      | BE        | 14             | 48 34.782 | 125 38.320 |               | 124          |           |                 |              |          | Thermosal Temp 14.163<br>CTD Temp 14.109 |
|      |              |           | 11:33      | BO        | 14             | 48 34.847 | 125 38.320 |               |              | 116       |                 |              |          | Thermosal Sal 30.357<br>CTD Sal 30.702   |
|      |              |           | 11:37      | EN        | 14             | 48 34.879 | 125 38.320 |               |              |           |                 |              |          |                                          |
| 30   | SS07X        | CTD       | 14:13      | BE        | 15             | 48 36.748 | 125 13.488 |               | 741          |           |                 |              |          | Thermosal Temp 13.696<br>CTD Temp 13.657 |
|      |              |           | 14:16      | BO        | 15             | 48 36.697 | 125 13.412 |               |              | 65        |                 |              |          | Thermosal Sal 30.632<br>CTD Sal 30.986   |
|      |              |           | 14:18      | EN        | 15             | 48 36.697 | 124 13.412 |               |              |           |                 |              |          | * not on SS line.                        |
| 01   | Practice     | CTD       | 06:05      | BE        | 16             | 49 57.193 | 127 20.551 |               | 75           |           |                 |              |          |                                          |
|      |              |           | 06:07      | BO        | 16             | 49 57.128 | 127 20.551 |               |              | 66        |                 |              |          | Thermosal Temp 12.004<br>CTD Temp 11.926 |
|      |              |           | 06:10      | EN        | 16             | 49 57.128 | 127 20.551 |               |              |           |                 |              |          | Thermosal Sal 31.251<br>CTD Sal 31.623   |
| 01   | E01          | CTD       | 06:37      | BE        | 17             | 49 59.330 | 127 16.540 | ✓             | 40           |           |                 |              |          |                                          |
|      |              |           | 06:40      | BO        | 17             | 49 59.330 | 127 16.640 |               |              | 35        |                 |              |          | Thermosal Temp 10.889<br>CTD Temp 10.667 |
|      |              |           | 06:41      | EN        | 17             | 49 59.330 | 127 16.740 |               |              |           |                 |              |          | Thermosal Sal 31.475<br>CTD Sal 31.844   |
| 01   | E02          |           | 07:39      | BE        | 18             | 49 42.752 | 127 30.981 | ✓             | 64           |           |                 |              |          |                                          |
|      |              |           | 07:42      | BO        | 18             | 49 42.688 | 127 31.081 |               |              | 61        |                 |              |          | Thermosal Temp 12.125<br>CTD Temp 12.058 |
|      |              |           | 07:44      | EN        | 18             | 49 42.688 | 127 31.081 |               |              |           |                 |              |          | Thermosal Sal 31.246<br>CTD Sal 31.616   |
|      |              |           |            |           |                |           |            |               |              |           |                 |              |          | Initial Depth Offset of<br>1-2 m?        |

Cast type:

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Pressure Offset → At surface, there seems to be a pressure offset, with the CTD  
pressure sensor reading 2-3 m too deep. I am going to  
enter a -1m offset in the pressure calibration starting  
in 20160019.CON & 0506CTD.CON between casts  
#18 & #19

DA July 1/2000

# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Year <u>2000</u> |              |           |            |           | Month <u>July</u> |           |            | Ship <u>W.E. Ricker</u> |              |           |                 | Cruise I.D. <u>2000-16</u> |          |                                            |
|------------------|--------------|-----------|------------|-----------|-------------------|-----------|------------|-------------------------|--------------|-----------|-----------------|----------------------------|----------|--------------------------------------------|
| Day              | Station I.D. | Cast Type | Time (UTC) | Time Code | Consec. Number    | Latitude  | Longitude  | Position Code           | Bottom Depth | Max Depth | Consec Sample # | # of Bottles               | initials | Comments                                   |
| 01               | E03          | CTD       | 0843       | BE        | 19                | 49 45.608 | 127 18.213 | ✓                       | 66           |           |                 |                            |          |                                            |
|                  |              |           | 0847       | BO        | 19                | 49 45.640 | 127 18.313 |                         |              | 60        |                 |                            |          | Thermosal Temp: 12.447<br>CTD Temp: 12.366 |
|                  |              |           | 0850       | EN        | 19                | 49 45.640 | 127 18.363 |                         |              |           |                 |                            |          | Thermosal Sal: 31.219<br>CTD Sal: 31.586   |
| 01               | E04          | CTD       | 0949       | BE        | 20                | 49 44.183 | 127 24.214 | ✓                       | 84           |           |                 |                            |          |                                            |
|                  |              |           | 0952       | BO        | 20                | 49 44.151 | 127 24.164 |                         |              | 75        |                 |                            |          | thermosal Temp: 12.667<br>CTD Temp: 12.495 |
|                  |              |           | 0954       | EN        | 20                | 49 44.151 | 127 24.139 |                         |              |           |                 |                            |          | Thermosal Sal: 31.340<br>CTD Sal: 31.784   |
| 01               | E05          | CTD       | 11:11      | BE        | 21                | 49 41.302 | 127 28.340 | ✓                       | 319          |           |                 |                            |          |                                            |
|                  |              |           | 11:19      | BO        | 21                | 49 41.318 | 127 28.190 |                         |              | 295       |                 |                            |          | Thermosal Temp: 12.687<br>CTD Temp: 12.628 |
|                  |              |           | 11:23      | EN        | 21                | 49 41.318 | 127 28.165 |                         |              |           |                 |                            |          | Thermosal Sal: 31.695<br>CTD Sal: 31.899   |
| 01               | E06          | CTD       | 12:32      | BE        | 22                | 50 17.094 | 130 19.559 | ✓                       | 720          |           |                 |                            |          | Thermosal Temp: 11.957<br>CTD Temp: 11.794 |
|                  |              |           | 12:44      | BO        | 22                | 50 17.094 | 130 19.559 |                         |              | 706       |                 |                            |          | Thermosal Sal: 31.599<br>CTD Sal: 31.979   |
|                  |              |           | 12:56      | EN        | 22                | 50 17.094 | 130 19.559 |                         |              |           |                 |                            |          |                                            |
| 02               | T13          | CTD       | 0052       | BE        | 23                | 50 22.883 | 130 09.611 | ✓                       | >1000        |           |                 |                            |          |                                            |
|                  |              |           | 0111       | BO        | 23                | 50 23.019 | 130 09.872 |                         |              | 1001      |                 |                            |          | thermosal Temp: 13.247<br>CTD Temp: 13.176 |
|                  |              |           | 0127       | EN        | 23                | 50 22.989 | 130 10.190 |                         |              |           |                 |                            |          | Thermosal Sal: 31.467<br>CTD Sal: 31.794   |
| 02               | T12          | CTD       | 0225       | BE        | 24                | 50 27.704 | 129 58.898 | ✓                       | 2177         |           |                 |                            |          |                                            |
|                  |              |           | 0241       | BO        | 24                | 50 27.696 | 129 59.782 |                         |              | 1001      |                 |                            |          | Thermosal Temp: 13.356<br>CTD Temp: 13.292 |
|                  |              |           | 0256       | EN        | 24                | 50 27.746 | 129 59.278 |                         |              |           |                 |                            |          | Thermosal Sal: 31.418<br>CTD Sal: 31.769   |

Cast type:

BOT = otter cast  
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USW = sea water loop

Time Code

BE = beginning time of cast  
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# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Year 2000 |              |           |                  |           | Month July     |           |              | Ship W.E. Ricker |              |           | Cruise I.D. 2000-16 |              |          |                                                                                                  |
|-----------|--------------|-----------|------------------|-----------|----------------|-----------|--------------|------------------|--------------|-----------|---------------------|--------------|----------|--------------------------------------------------------------------------------------------------|
| Day       | Station I.D. | Cast Type | Time (PDT) (UTC) | Time Code | Consec. Number | Latitude  | Longitude    | Position Code    | Bottom Depth | Max Depth | Consec Sample #     | # of Bottles | initials | Comments                                                                                         |
| 2         | T11          | CTD       | 0348             | BE        | 25             | 50 32.190 | 129 48.815   | ✓                |              |           |                     |              |          |                                                                                                  |
|           |              |           | 0404             | BO        | 25             | 50 48.715 | 129 21.011 * |                  | 2167         | 1002      |                     |              |          | * Please use pos. info logged in header if it looks correct. The ECPMS pos. is suspect & differs |
|           |              |           | 0420             | EN        | 25             | 50 31.77  | 129 48.61    |                  |              |           |                     |              |          |                                                                                                  |
| 2         | T10          | CTD       | 0510             | BE        | 26             | 50 36.44  | 129 38.41    | ✓                | 2041         |           |                     |              |          |                                                                                                  |
|           | (BONGO)      |           | 0528             | BO        | 26             | 50 36.42  | 129 38.44    |                  |              | 1002      |                     |              |          | Thermosal Temp: 13.758<br>CTD Temp: 13.696<br>Thermosal Sal: 30.921<br>CTD Sal: 31.253           |
|           |              |           | 0543             | EN        | 26             | 50 36.35  | 129 38.45    |                  |              |           |                     |              |          |                                                                                                  |
| 2         | T09          | CTD       | 0813             | BE        | 27             | 50 40.90  | 129 28.20    | ✓                | 1925         |           |                     |              |          |                                                                                                  |
|           | (BONGO)      |           | 0832             | BO        | 27             | 50 40.96  | 129 28.71    |                  |              | 1002      |                     |              |          | Thermosal Temp: 12.642<br>CTD Temp: 12.616<br>Thermosal Sal: 30.806<br>CTD Sal: 31.145           |
|           |              |           | 0850             | EN        | 27             | 50 41.09  | 129 28.91    |                  |              |           |                     |              |          |                                                                                                  |
| 2         | T08          | CTD       | 1036             | BE        | 28             | 50 46.18  | 129 17.97    | ✓                | 147          |           |                     |              |          |                                                                                                  |
|           | (BONGO)      |           | 1039             | BO        | 28             | 50 46.20  | 129 18.02    |                  |              | 140       |                     |              |          | Thermosal Temp: 11.150<br>CTD Temp: 11.025<br>Thermosal Sal: 31.192<br>CTD Sal: 31.542           |
|           |              |           | 1042             | EN        | 28             | 50 46.21  | 129 18.02    |                  |              |           |                     |              |          |                                                                                                  |
| 2         | T07          | CTD       | 1219             | BE        | 29             | 50 50.31  | 129 08.32    | ✓                | 70           |           |                     |              |          |                                                                                                  |
|           | (BONGO)      |           | 1222             | BO        | 29             | 50 50.34  | 129 08.33    |                  |              | 62        |                     |              |          | Thermosal Temp: 11.579<br>CTD Temp: 11.403<br>Thermosal Sal: 31.156<br>CTD Sal: 31.542           |
|           |              |           | 1226             | EN        | 29             | 50 50.39  | 129 08.24    |                  |              |           |                     |              |          |                                                                                                  |
| 2         | T06          | CTD       | 1402             | BE        | 30             | 50 54.59  | 128 58.75    | ✓                | 65           |           |                     |              |          |                                                                                                  |
|           | (BONGO)      |           | 1403             | BO        | 30             | 50 54.54  | 128 58.80    |                  |              | 58        |                     |              |          | Thermosal Temp: 11.936<br>CTD Temp: 11.845<br>Thermosal Sal: 30.997<br>CTD Sal: 31.354           |
|           |              |           | 1405             | EN        | 30             | 50 54.52  | 128 58.79    |                  |              |           |                     |              |          |                                                                                                  |

Cast type:

BOT = otter cast  
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DRF = drifter

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Time Code

BE = beginning time of cast  
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Bongos taken at T10, T09, T08, T07, T06

# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Year 2000 |                |           |                           |           | Month July     |          |           | Ship W. E. Ricker |              |           |                 | Cruise I.D. 2000-16 |          |                                             |
|-----------|----------------|-----------|---------------------------|-----------|----------------|----------|-----------|-------------------|--------------|-----------|-----------------|---------------------|----------|---------------------------------------------|
| Day       | Station I.D.   | Cast Type | Time (UTC) <sup>PDT</sup> | Time Code | Consec. Number | Latitude | Longitude | Position Code     | Bottom Depth | Max Depth | Consec Sample # | # of Bottles        | initials | Comments                                    |
| 2         | T05<br>(BONGO) | CTD       | 15:38                     | BE        | 31             | 50 58.81 | 128 49.11 | ✓                 | 66           |           |                 |                     |          |                                             |
|           |                |           | 15:39                     | BO        | 31             | 50 58.81 | 128 49.28 |                   |              | 62        |                 |                     |          | Thermosal Temp: 12.4154<br>CTD Temp: 12.390 |
|           |                |           | 15:41                     | EN        | 31             | 50 58.76 | 128 49.34 |                   |              |           |                 |                     |          | Thermosal Sal: 30.995<br>CTD Sal: 31.341    |
| 2         | T04<br>(BONGO) | CTD       | 17:25                     | BE        | 32             | 51 03.16 | 128 39.34 |                   | 69           |           |                 |                     |          |                                             |
|           |                |           | 17:27                     | BO        | 32             | 51 03.14 | 128 39.41 |                   |              | 63        |                 |                     |          | Thermosal Temp: 13.164<br>CTD Temp: 13.143  |
|           |                |           | 17:29                     | EN        | 32             | 51 03.12 | 128 39.44 |                   |              |           |                 |                     |          | Thermosal Sal: 31.213<br>CTD Sal: 31.580    |
| 4         | F01            | CTD       | 05:17                     | BE        | 33             | 54 47.30 | 133 03.27 | ✓                 | 119          |           |                 |                     |          |                                             |
|           |                |           | 05:21                     | BO        | 33             | 54 47.34 | 133 03.38 |                   |              | 115       |                 |                     |          | Thermosal Temp: 10.115<br>CTD Temp: 9.996   |
|           |                |           | 05:22                     | EN        | 33             | 54 47.35 | 133 03.45 |                   |              |           |                 |                     |          | Thermosal Sal: 31.300<br>CTD Sal: 31.596    |
| 4         | F02<br>(BONGO) | CTD       | 07:14                     | BE        | 34             | 54 46.44 | 133 11.11 | ✓                 | 198          |           |                 |                     |          |                                             |
|           |                |           | 07:19                     | BO        | 34             | 54 46.51 | 133 11.18 |                   |              | 192       |                 |                     |          | Thermosal Temp: 10.018<br>CTD Temp: 9.936   |
|           |                |           | 07:22                     | EN        | 34             | 54 46.55 | 133 11.29 |                   |              |           |                 |                     |          | Thermosal Sal: 31.119<br>CTD Sal: 31.530    |
| 4         | F03<br>(BONGO) | CTD       | 08:53                     | BE        | 35             | 54 45.76 | 133 19.07 | ✓                 | 112          |           |                 |                     |          |                                             |
|           |                |           | 08:55                     | BO        | 35             | 54 45.83 | 133 19.27 |                   |              | 112       |                 |                     |          | Thermosal Temp: 10.985<br>CTD Temp: 10.912  |
|           |                |           | 08:58                     | EN        | 35             | 54 45.83 | 133 19.33 |                   |              |           |                 |                     |          | Thermosal Sal: 31.149<br>CTD Sal: 31.514    |
| 4         | F04<br>(BONGO) | CTD       | 10:22                     | BE        | 36             | 54 45.06 | 133 26.81 | ✓                 | 143          |           |                 |                     |          |                                             |
|           |                |           | 10:26                     | BO        | 36             | 54 45.14 | 133 26.92 |                   |              | 137       |                 |                     |          | Thermosal Temp: 11.221<br>CTD Temp: 11.161  |
|           |                |           | 10:29                     | EN        | 36             | 54 45.15 | 133 26.94 |                   |              |           |                 |                     |          | Thermosal Sal: 31.197<br>CTD Sal: 31.054    |

Cast type:

BOT = otter cast  
CTD = CTD  
MOR = mooring

ROS = Rosette  
NET = net haul  
DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast  
BO = bottom time of cast  
EN = end of cast time

DE = deployment time  
MR = messenger release time  
RE = recover mooring time

Bongos taken at T05, T04, F02, F03, F04

# DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

| Year 2000 |              |           |            |           | Month July     |          |           | Ship W. E. Ricker |              |           |                 | Cruise I.D. 2000-16 |          |                                            |
|-----------|--------------|-----------|------------|-----------|----------------|----------|-----------|-------------------|--------------|-----------|-----------------|---------------------|----------|--------------------------------------------|
| Day       | Station I.D. | Cast Type | Time (UTC) | Time Code | Consec. Number | Latitude | Longitude | Position Code     | Bottom Depth | Max Depth | Consec Sample # | # of Bottles        | initials | Comments                                   |
| 4         | F05          | CTD       | 19:10      | BE        | 37             | 54 44.32 | 133 34.61 | ✓                 | 195          |           |                 |                     |          |                                            |
|           |              |           | 19:16      | BO        | 37             | 54 44.36 | 133 34.76 |                   |              | 187       |                 |                     |          | Thermosal Temp: 10.834<br>CTD Temp: 10.737 |
|           |              |           | 19:19      | EN        | 37             | 54 44.38 | 133 34.77 |                   |              |           |                 |                     |          | Thermosal Sal: 31.494<br>CTD Sal: 31.860   |
| 4         | F06          | CTD       | 19:55      | BE        | 38             | 54 43.56 | 133 42.43 | ✓                 | 223          |           |                 |                     |          |                                            |
|           |              |           | 19:57      | BO        | 38             | 54 43.53 | 133 42.62 |                   |              | 207       |                 |                     |          | Thermosal Temp: 11.060<br>CTD Temp: 10.966 |
|           |              |           | 20:00      | EN        | 38             | 54 43.51 | 133 42.66 |                   |              |           |                 |                     |          | Thermosal Sal: 30.780<br>CTD Sal: 31.835   |
| 4         | F07          | CTD       | 20:33      | BE        | 39             | 54 42.84 | 133 50.12 | ✓                 | 224          |           |                 |                     |          |                                            |
|           |              |           | 20:37      | BO        | 39             | 54 42.82 | 133 50.28 |                   |              | 216       |                 |                     |          | Thermosal Temp: 11.126<br>CTD Temp: 11.041 |
|           |              |           | 20:40      | EN        | 39             | 54 42.86 | 133 50.29 |                   |              |           |                 |                     |          | Thermosal Sal: 31.402<br>CTD Sal: 31.840   |
| 4         | F08          | CTD       | 21:17      | BE        | 40             | 54 42.15 | 133 58.07 | ✓                 | 204          |           |                 |                     |          |                                            |
|           |              |           | 21:21      | BO        | 40             | 54 42.14 | 133 58.10 |                   |              | 194       |                 |                     |          | Thermosal Temp: 11.315<br>CTD Temp: 11.239 |
|           |              |           | 21:25      | EN        | 40             | 54 42.11 | 133 58.16 |                   |              |           |                 |                     |          | Thermosal Sal: 31.408<br>CTD Sal: 31.766   |
| 4         | F09          | CTD       | 21:55      | BE        | 41             | 54 41.47 | 134 05.92 | ✓                 | 221          |           |                 |                     |          |                                            |
|           |              |           | 21:59      | BO        | 41             | 54 41.46 | 134 06.16 |                   |              | 213       |                 |                     |          | Thermosal Temp: 11.813<br>CTD Temp: 11.745 |
|           |              |           | 22:03      | EN        | 41             | 54 41.46 | 134 06.14 |                   |              |           |                 |                     |          | Thermosal Sal: 31.362<br>CTD Sal: 31.716   |
| 4         | F10          | CTD       | 23:04      | BE        | 42             | 54 40.01 | 134 21.76 | ✓                 | 2129         |           |                 |                     |          |                                            |
|           |              |           | 23:23      | BO        | 42             | 54 40.04 | 134 22.27 |                   |              | 1003      |                 |                     |          | Thermosal Temp: 12.433<br>CTD Temp: 12.355 |
|           |              |           | 23:42      | EN        | 42             | 54 40.11 | 134 22.43 |                   |              |           |                 |                     |          | Thermosal Sal: 31.565<br>CTD Sal: 31.899   |

Cast type:

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EN = end of cast time

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RE = recover mooring time

## DAILY LOG

## Ocean Sciences and Productivity Division

## INSTITUTE OF OCEAN SCIENCES

[illegible]

Cast type:

BOT = bottle cast  
CTD = CTD  
MOR = mooring

ROS = Rosette  
NET = net haul  
DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast  
BO = bottom time of cast  
EN = end of cast time

DE = deployment time  
MR = messenger release time  
RE = recover mooring time

Bongo tow taken at T03.