

CRUISE  
NUMBER

97-34

# DAILY LOG

## INSTITUTE OF OCEAN SCIENCES

## OCEAN PHYSICS

DATE

Aug. 4 - 15 1997

VESSEL

Vector

PROJECT

Acoustics: Long-Range Sonar, Long-range and  
Haro Strait

## DAILY LOG

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| YEAR         |               |              | MONTH            |              |                       | SHIP        |              |                  | CRUISE                      |                           |                    | PAGE            |      | OF         |  |
|--------------|---------------|--------------|------------------|--------------|-----------------------|-------------|--------------|------------------|-----------------------------|---------------------------|--------------------|-----------------|------|------------|--|
| 1997         |               |              | August           |              |                       | Vector      |              |                  | 97-34                       |                           |                    | 1               |      |            |  |
| DAY<br>(UTC) | STATION<br>ID | CAST<br>TYPE | TIME<br>(UTC)    | TIME<br>CODE | STD/HYDRO<br>CONSEC # | LATITUDE    | LONGITUDE    | POSITION<br>CODE | BOTTOM<br>DEPTH (m)         | MAX SAMPLING<br>DEPTH (m) | CONSEC<br>SAMPLE # | # OF<br>BOTTLES | INIT | COMMENTS   |  |
| 4            | test          | CTD          | 2302             | UTC          |                       | N48 38.94'  | W123° 30.08' | GPS              | 196                         | 180                       |                    |                 | MVT  | 97340001 ✓ |  |
| 5            | Georgia       | CTD          | 1552             | UTC          |                       | N48° 54.48' | W123° 11.76' | GPS              | 132                         | 125                       |                    |                 | MVT  | 97340002 ✓ |  |
| 5            | Georgia       | CTD          | 19 <sup>53</sup> | UTC          |                       | N48° 59.61' | W123° 19.86' | GPS              | 204                         | 190                       |                    |                 | MVT  | 97340003 ✓ |  |
| 5            | Georgia       | CTD          | 22 <sup>06</sup> | UTC          |                       | N48° 03.81' | W123° 26.24' | GPS              | 307                         | 280                       |                    |                 | MVT  | 97340004 ✓ |  |
| 6            | Georgia       | CTD          | 01 <sup>36</sup> | UTC          |                       | N49° 12.66' | W123° 22.88' | GPS              | 264                         | 250                       |                    |                 | MVT  | 97340005 ✓ |  |
| 6            | Georgia       | CTD          | 1455             | UTC          |                       | N49° 13.09' | W123° 18.04' | GPS              | 96                          | 90                        |                    |                 | MVT  | 97340006 ✓ |  |
| 6            | Georgia       | CTD          | 17 <sup>30</sup> | UTC          |                       | N49° 04.51' | W123° 19.48' | GPS              | 110                         | 105m                      |                    |                 | MVT  | 97340007 ✓ |  |
| 6            | Georgia       | CTD          | 20 <sup>08</sup> | UTC          |                       | N49° 00.18' | W123° 16.59' | GPS              | 162                         | 155m                      |                    |                 | MVT  | 97340008 ✓ |  |
| 6            | Georgia       | CTD          | 22 <sup>15</sup> | UTC          |                       | N49° 03.68' | W123° 21.94' | GPS              | 218                         | 240                       |                    |                 | MVT  | 97340009 ✓ |  |
| 7            | Georgia       | CTD          | 00 <sup>49</sup> | UTC          |                       | N49° 10.25' | W123° 21.03' | GPS              | 197                         | 190                       |                    |                 | MVT  | 97340010 ✓ |  |
| 7            | Georgia       | CTD          | 02 <sup>59</sup> | UTC          |                       | N49° 16.43' | W123° 19.32' | GPS              | 120                         | 110                       |                    |                 | MVT  | 97340011 ✓ |  |
| 9            | Lasqueti      | CTD          | 1629             | UTC          |                       | N49° 24.83  | W124 7.06    | GPS              | 274                         | 265                       |                    |                 | KINC | 97340012 ✓ |  |
| 9            | Lasqueti      | CTD          | 1809             | UTC          |                       | N49° 28.49  | W124 9.15    | GPS              | 226                         | 215                       |                    |                 | KINC | 97340013 ✓ |  |
| 9            | Lasqueti      | CTD          | 1917             | UTC          |                       | N49° 29.05  | W124 5.27    | GPS              | 409                         | 350                       |                    |                 | KINC | 97340014 ✓ |  |
| 9            | Lasqueti      | CTD          | 0246             | UTC          |                       | N49° 35.22  | W124 4.92    | GPS              | 241                         | 230                       |                    |                 | KINC | 97340015 ✓ |  |
| 9            | Georgia       | CTD          | 21 <sup>52</sup> | UTC          |                       | N49° 00.81' | W123° 17.47' | GPS              | 167                         | 160                       |                    |                 | MVT  | 97340016 ✓ |  |
| 10           | Georgia       | CTD          | 17 <sup>38</sup> | UTC          |                       | N49° 07.41' | W123° 19.17' | GPS              | <del>10</del> <sup>98</sup> | 90                        |                    |                 | MVT  | 97340017 ✓ |  |
| 11           | Saanicht      | CTD          | 21 <sup>52</sup> | UTC          |                       | N48 35.62   | W123° 30.37' | GPS              | 226                         | 222                       |                    |                 | MVT  | PMEL01     |  |

CAST TYPE -

BOT -  
CTD -  
MOR -bottle cast  
ctd  
mooringROS -  
NET -  
DRF -rosette  
net haul  
drifter

USW - sea water loop

TIME CODE -

BE -  
BO -  
EN -beginning time of cast  
bottom time of cast  
end of castDE -  
MR -  
RE -deployment time  
messenger release  
recover mooring

POSITION CODE -

RAD -  
GPS -  
LOR -RADAR  
GLOBAL  
LORAN

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| YEAR 1997 |            |           | MONTH August     |           | SHIP Vector        |             |              | CRUISE 97-34  |                  |                        |                 |              | PAGE 2 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                            |
| 11        | Saanich    | CTD       | 23:29            | UTC       |                    | N48° 35.75' | W123° 30.29' | GPS           | 228              | 225                    | 24 #2           |              | MVT       | PMEL02                              |
| 12        | Georgia    | CTD       | 15:35            | UTC       |                    | N48° 59.97' | W123° 20.10' | GPS           | 210              | 205                    | "               |              | MVT       | 97340018                            |
| 12        | Georgia    | CTD       | 17:43            | UTC       |                    | N49° 03.86' | W123° 26.03' | GPS           | 291              | 285                    | "               |              | MVT       | 97340019                            |
| 12        | Haro       | CTD       | 08:10            | UTC       |                    | N48° 29.12' | W123° 12.51' | GPS           | 200              | 50                     | "               |              |           | 97340020                            |
| 13        | Georgia    | CTD       | 15:03            | UTC       |                    | N48° 59.95' | W123° 19.99' | GPS           | 209              | 200                    | "               |              | MVT       | 97340021                            |
| 13        | Georgia    | CTD       | 17:26            | UTC       |                    | N49° 03.93' | W123° 25.98' | GPS           | 293              | 280                    | "               |              | MVT       | 97340022                            |
| 13        | Georgia    | CTD+      | 20 <sup>28</sup> | UTC       |                    | N49° 10.49' | W123° 18.40' | GPS           | —                | 5 m                    | 2 Hz            |              | MVT       | 97340023 with resonator and Doppler |
| 13        | Georgia    | CTD+      | 20 <sup>43</sup> | UTC       |                    | N49° 10.50' | W123° 18.29' | GPS           | —                | 4 m                    | 8 Hz            |              | MVT       | 97340024                            |
| 13        | Georgia    | CTD+      | 20 <sup>52</sup> | UTC       |                    | N49° 10.44' | W123° 18.47' | GPS           | —                | 30 m                   | 8 Hz            |              | MVT       | 97340025                            |
| 14        | Haro       | CTD+      |                  |           |                    | N48° 38.59  | W123° 13.5   | GPS           |                  |                        | 8 Hz            |              |           | 97340026                            |
| 14        | Georgia    | CTD       | 1736             | UTC       |                    | N49° 12.31' | W123° 18.25' | GPS           | 102              | 98                     | 24 Hz           |              | MVT       | 97340027                            |
| 14        | Georgia    | CTD       | 2206             | UTC       |                    | N48° 01.94' | W123° 15.63' | GPS           | 84               | 80                     | 24 Hz           |              | MVT       | 97340028                            |
| 14        | Georgia    | CTD       | 2240             | UTC       |                    | N48° 59.91' | W123° 19.90' | GPS           | 211              | 200                    | "               |              | MVT       | 97340029                            |
| 15        | Georgia    | CTD       | 0112             | UTC       |                    | N48° 57.83' | W123° 21.12' | GPS           | —                | 5m                     | 8 Hz            |              | MVT       | 97340030 whaler bubbles             |
| 15        | Haro       | CTD       | 1310             | UTC       |                    | N48° 38.28  | W123° 13.803 | GPS           |                  |                        |                 |              |           | 97340031                            |
|           |            |           |                  |           |                    |             |              |               |                  |                        |                 |              |           | 97340032                            |
|           |            |           |                  |           |                    |             |              |               |                  |                        |                 |              |           |                                     |
|           |            |           |                  |           |                    |             |              |               |                  |                        |                 |              |           |                                     |

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