

## DAILY LOG

## OCEAN PHYSICS

## INSTITUTE OF OCEAN SCIENCES

| SHIP <i>Parizeau</i> |             | CRUISE <i>88-14</i> |                      |                 |                               |                |                                    | TIME ZONE <i>UTC</i> |                    | PAGE <i>1</i> OF <i>1</i>                      |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|----------------------|-------------|---------------------|----------------------|-----------------|-------------------------------|----------------|------------------------------------|----------------------|--------------------|------------------------------------------------|-----------------------------------------------|---------------------------------|---------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| DATE                 | STATION ID  | DEPTH SOUNDING (m)  | LATITUDE & LONGITUDE | TIME SHIP STOPS | STD - CONSEC. NO. & DEPTH (m) | STD START TIME | HYDRO-CONSEC. NO. & DEPTH (m)      | MESSENGER TIME       | HYDRO SALINITY NO. | HYDRO OXYGEN NO.                               | BUCKET TEMPERATURE & SALINITY NO.             | LOOP TEMPERATURE & SALINITY NO. | ENGINE INTAKE TEMPERATURE | TIME SHIP PROCEEDS | NOTES                                                                                                                                                           |  |  |  |  |  |
| <i>26/8/88</i>       | <i>LA01</i> | <i>255</i>          | <i>4829.23</i>       | <i>1</i>        | <i>0527</i>                   |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12443.65</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>26/8/88</i>       | <i>LA02</i> | <i>297</i>          | <i>4826.25</i>       | <i>2</i>        | <i>0624</i>                   |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12451.32</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>11</i>            | <i>LA04</i> | <i>190</i>          | <i>4819.36</i>       | <i>3</i>        | <i>0749</i>                   |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12504.12</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>11</i>            | <i>LA06</i> | <i>107</i>          | <i>4812.63</i>       | <i>4</i>        | <i>0904</i>                   |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12517.20</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>26/8/88</i>       | <i>LB14</i> | <i>1145</i>         | <i>4808.48</i>       | <i>5</i>        | <i>1152</i>                   |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12600.00</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>26/8/88</i>       | <i>A4-A</i> | <i>2480</i>         | <i>4806.07</i>       | <i>6</i>        | <i>1458</i>                   |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12639.91</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>27/8/88</i>       | <i>AD01</i> | <i>2160</i>         | <i>4756.09</i>       | <i>7</i>        | <i>2160</i>                   | <i>0153</i>    |                                    |                      | <i>16269</i>       | <i>32.512</i>                                  | <i>} LAT/LONG<br/>IN HEADER<br/>IN CORCOR</i> |                                 |                           |                    | <i>PLANK<br/>ADCP01<br/>AD01 - needs<br/>renaming to RD01<br/>HOLD TO 0402<br/>Rename to RD01.<br/>ADCP02<br/>up @ 0647<br/>ADCP03<br/>up @ 0930<br/>ADCP04</i> |  |  |  |  |  |
|                      |             |                     | <i>12906.87</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>27/8/88</i>       | <i>AD01</i> | <i>2140</i>         | <i>4756.09</i>       | <i>8</i>        | <i>1800</i>                   | <i>0252</i>    | <i>not on PIC-60</i>               | <i>/</i>             |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12906.89</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>27/8/88</i>       | <i>RD01</i> | <i>2140</i>         | <i>4756.09</i>       | <i>9</i>        | <i>1800</i>                   | <i>0427</i>    |                                    |                      | <i>/</i>           |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12906.98</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>27/8/88</i>       | <i>RD01</i> | <i>2130</i>         | <i>4756.13</i>       | <i>10</i>       | <i>1875</i>                   | <i>0710</i>    | <i>Probably not on<br/>PIC-60?</i> |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12906.96</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>27/8/88</i>       | <i>RD12</i> | <i>2130</i>         | <i>4757.97</i>       | <i>11</i>       | <i>11</i>                     | <i>1125</i>    |                                    |                      | <i>15916</i>       | <i>Header error<br/>ADCP11 Please<br/>exit</i> |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12905.93</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
| <i>27/8/88</i>       | <i>RD02</i> | <i>2120</i>         | <i>4759.91</i>       | <i>12</i>       | <i>1800</i>                   | <i>1243</i>    |                                    |                      | <i>32.513</i>      |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |
|                      |             |                     | <i>12909.98</i>      |                 |                               |                |                                    |                      |                    |                                                |                                               |                                 |                           |                    |                                                                                                                                                                 |  |  |  |  |  |

PMK-2/88

## DAILY LOG

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| SHIP    |            | CRUISE 88-14                |                      |                 |                               |                |                               |                | TIME ZONE UTC      |                  |                                   | PAGE OF                         |                           |                    |                                          |
|---------|------------|-----------------------------|----------------------|-----------------|-------------------------------|----------------|-------------------------------|----------------|--------------------|------------------|-----------------------------------|---------------------------------|---------------------------|--------------------|------------------------------------------|
| DATE    | STATION ID | DEPTH SOUNDING (m)          | LATITUDE & LONGITUDE | TIME SHIP STOPS | STD - CONSEC. NO. & DEPTH (m) | STD START TIME | HYDRO-CONSEC. NO. & DEPTH (m) | MESSENGER TIME | HYDRO SALINITY NO. | HYDRO OXYGEN NO. | BUCKET TEMPERATURE & SALINITY NO. | LOOP TEMPERATURE & SALINITY NO. | ENGINE INTAKE TEMPERATURE | TIME SHIP PROCEEDS | NOTES                                    |
| 27/8/88 | RDP2       | 4757.96<br>129°05.99        | 1636<br>GMT          | 13              |                               | 01<br>3m       | —                             | —              | —                  | 16.01            | 20100                             | 16.12                           |                           |                    | SAIL LOG<br>SAMPLE                       |
| 27/8/88 | RDP2       | 2110<br>4757.95<br>12906.04 | 1720<br>GMT          | 13              | 2140                          | 1720<br>GMT    | not to QIC-60                 |                |                    |                  |                                   |                                 |                           |                    | ADCP 07 bottom<br>to surface.            |
| 27/8/88 | RDP3       | 2330<br>4758.05<br>12909.04 | 1820<br>GMT          | 14              | 2300                          | 1821<br>GMT    |                               |                |                    | 16.040           | 32.526                            |                                 |                           |                    | ADCP 08<br>VERTICAL profile<br>UP & DOWN |
| 27/8/88 | RDP3       | 2330<br>4757.99<br>12909.04 | —                    | 15              | 2300                          | 1930           |                               |                |                    | 16.117           | 32.484                            |                                 |                           |                    | ADCP 09<br>vert prof<br>UP               |
| 27/8/88 | RDP4       | 2290<br>4758.03<br>12904.08 | 2040                 | 16              | 2290                          | 2042           |                               |                | 16.190             | 32.483           |                                   |                                 |                           |                    | ADCP 10<br>Profile<br>Down               |
| 27/8/88 | RDP4       | —<br>4758.03<br>12903.96    | —                    | 17              | 2300                          | 2150           |                               |                |                    |                  |                                   |                                 |                           |                    | ADCP 11<br>UP cast                       |
| 27/8/88 | RDP5       | —<br>48°00.00<br>129°04.44  | —                    | 18              | 2125                          | 2316           |                               |                |                    |                  |                                   |                                 |                           |                    | ADCP 12<br>END                           |
| 28/8/88 | RDP5       | —<br>4759.90<br>12904.53    | —                    | 19              | 2125                          | 0013           | not to QIC-60                 |                |                    |                  |                                   |                                 |                           |                    | ADCP 13<br>END @ 0129                    |
| 28/8/88 | RDP5       | —<br>4759.99<br>12904.48    | —                    | 20              | 2120                          | 0136           |                               |                |                    |                  |                                   |                                 |                           |                    | ADCP 14<br>UPCAST                        |
| 28/8/88 | LG47       | —<br>4859.40<br>12707.20    | —                    | 21              | 1161                          | 1107           |                               | 4<br>34.492    |                    | 3                |                                   |                                 |                           |                    | LOOP SAMPLE                              |
| 28/8/88 | LG46       | 780<br>4903.50<br>12701.20  | —                    | 22              | 776                           | 1302           | 22<br>700                     | 1400           | 1001<br>1025       |                  |                                   |                                 |                           |                    | Hydrocast<br>begin ~ 1145 (start)        |
| 28/8/88 | LG05       | —<br>4907.40<br>12655.30    | —                    | 23              | 257                           | 1505           |                               |                |                    |                  |                                   |                                 | 1518                      |                    |                                          |

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# DAILY LOG

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|---------|------------|--------------------|-------------------------|-----------------|-------------------|---------------|----------------|---------------------------------|----------------|--------------------|------------------|-----------------------------------|---------------------------------|---------------------------|----------------------------|
| DATE    | STATION ID | DEPTH SOUNDING (m) | LATITUDE & LONGITUDE    | TIME SHIP STOPS | STD - CONSEC. NO. | STD DEPTH (m) | STD START TIME | HYDRO - CONSEC. NO. & DEPTH (m) | MESSENGER TIME | HYDRO SALINITY NO. | HYDRO OXYGEN NO. | BUCKET TEMPERATURE & SALINITY NO. | LOOP TEMPERATURE & SALINITY NO. | ENGINE INTAKE TEMPERATURE | TIME SHIP PROCEEDS         |
| 28/8/88 | LG04       | 137                | 49°11.30N<br>126 49.40  | 1550            | 24                | 139           | 1552           | 135                             | 1613           | 1026<br>1034       | 14452<br>31932   |                                   |                                 |                           | HYDRO POST<br>AT 1600 Z    |
| 28/8/88 | LG03       | 115                | 49 15.20<br>126 43.75   | 1650            | 25                | 117           | 1653           | X                               |                |                    | 13.              |                                   |                                 | 1700                      |                            |
| 28/8/88 | LG2A       | 108                | 49 16.85N<br>126 40.96W | 1715            | 26                | 109           | 1717           | X                               |                |                    |                  |                                   |                                 |                           |                            |
| 28/8/88 | LG02       | 95M                | 49 18.70<br>126 38.10   | 1739            | 27                | 96            | 1741           | 927<br>100                      | 1748           | 1035<br>1042       |                  |                                   |                                 |                           | HYDRO POST<br>AT 1746 Z    |
| 28/8/88 | LG1B       | 58                 | 49 20.67<br>126 37.90   | 1838            | 28                | 59            | 1838           |                                 |                |                    |                  |                                   |                                 |                           | INTO BOTTOM<br>RECOVER EDD |
| 28/8/88 | LG01       | 50                 | 49 20.50<br>126 35.0    | 1900            | 29                | 52            | 1910           | 929<br>50                       | 1925 ✓         | 1043<br>1047       |                  |                                   |                                 | 1922                      |                            |
| 28/8/88 | LF01       | 30                 | 49 14.80<br>126 14.30   | 2043            | 30                | 34            | 2044           |                                 |                |                    |                  |                                   |                                 | 2046                      | NO Hydro<br>touched bottom |
| 28/8/88 | LF1A       | 38                 | 49 14.00<br>126 15.35   | 2103            | 31                | 41            | 2104           | 931<br>30                       | 2115 ✓         | 1048<br>1052       |                  |                                   |                                 |                           |                            |
| 28/8/88 | LF02       | 46                 | 49 13.22<br>126 16.43   | 2126            | 32                | 52            | 2127           | 932<br>50                       | 2138 ✓         | 1053<br>1057       |                  |                                   |                                 | 2145                      |                            |
| 28/8/88 | LF2A       | 65                 | 49 11.44<br>126 19.07   | 2155            | 33                | 69            | 2157           |                                 |                |                    |                  |                                   |                                 | 2202                      |                            |
| 28/8/88 | LF03       | 82                 | 49 09.70<br>126 21.75   | 2220            | 34                | 85            | 2224           | 934<br>75                       |                |                    |                  |                                   |                                 | 2227                      |                            |
| 28/8/88 | LF04       | 122                | 49 05.90<br>126 27.50   | 2310            | 35                | 128           | 2312           | 935<br>100                      | 2326 ✓         | 1058<br>1072       | 5                |                                   |                                 |                           | Hydro                      |

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|---------|------------|--------------------|----------------------|-----------------|-------------------------------|----------------|---------------------------------|----------------|--------------------|------------------|-----------------------------------|---------------------------------|---------------------------|--------------------|----------------------------------|
| DATE    | STATION ID | DEPTH SOUNDING (m) | LATITUDE & LONGITUDE | TIME SHIP STOPS | STD - CONSEC. NO. & DEPTH (m) | STD START TIME | HYDRO - CONSEC. NO. & DEPTH (m) | MESSENGER TIME | HYDRO SALINITY NO. | HYDRO OXYGEN NO. | BUCKET TEMPERATURE & SALINITY NO. | LOOP TEMPERATURE & SALINITY NO. | ENGINE INTAKE TEMPERATURE | TIME SHIP PROCEEDS | NOTES                            |
| 29/8/88 | LF05       | 146                | 4902.00              | 0002            | 36                            | 152            | 0005                            | <del>X</del>   |                    |                  |                                   | 14.463                          |                           |                    |                                  |
|         |            |                    | 12633.20             |                 |                               |                |                                 |                |                    |                  |                                   | 32.048                          |                           |                    |                                  |
| 29/8/88 | LF06       | 146                | 4858.10              | 0047            | 37                            | 448            | 0048                            | 937            | 0120               | ✓                | 1063                              | 15021                           |                           |                    |                                  |
|         |            |                    | 12638.90             |                 |                               |                |                                 | 400            |                    |                  | 1079                              | 31.886                          |                           |                    |                                  |
| 29/8/88 | LF07       | 680                | 4854.10              | 0200            | 38                            | 720            | 0207                            | <del>X</del>   |                    |                  |                                   | 15.384                          |                           |                    |                                  |
|         |            |                    | 12644.80             |                 |                               |                |                                 |                |                    |                  |                                   | 31.864                          |                           |                    |                                  |
| 29/8/88 | LF08       | 1190               | 4850.04              | 0302            | 39                            |                | 0308                            | 939            | 0418               | 6                | 1080                              | 3.164                           |                           |                    | CALIBRATION AT 12644.3464 34.427 |
|         |            |                    | 12650.67             |                 |                               |                |                                 | 1000           |                    |                  | 575                               | 34.427                          |                           |                    |                                  |
| 29/8/88 | LD09       |                    | 4835.69              | 0633            | 40                            |                | 0637                            | <del>X</del>   |                    |                  |                                   |                                 |                           |                    |                                  |
|         |            |                    | 12630.11             |                 |                               |                |                                 |                |                    |                  |                                   |                                 |                           |                    |                                  |
| 29/8/88 | LD08       | 765                | 4839.28              | 0742            | 41                            |                | 0743                            | 941            | 0815               | ✓                | 578                               |                                 |                           |                    |                                  |
|         |            |                    | 12623.48             |                 |                               |                |                                 | 700            |                    |                  | 653                               |                                 |                           |                    |                                  |
| 29/8/88 | LD07       | 465                | 4842.65              | 0928            | 42                            | 517            | 0930                            | 942            | 1005               | ✓                | 654                               |                                 | 1022                      |                    |                                  |
|         |            |                    | 12616.97             |                 |                               |                |                                 | 400            |                    |                  | 1005                              |                                 |                           |                    |                                  |
| 29/8/88 | LD06       | 133                | 4846.22              | 1057            | 43                            | 138            | 1100                            |                |                    |                  |                                   |                                 | 1104                      |                    |                                  |
|         |            |                    | 12610.31             |                 |                               |                |                                 |                |                    |                  |                                   |                                 |                           |                    |                                  |
| 29/8/88 | LD5A       | 105                | 4847.92              | 1125            | 44                            | 100            | 1130                            | <del>X</del>   |                    |                  |                                   |                                 |                           |                    |                                  |
|         |            |                    | 12606.90             |                 |                               |                |                                 |                |                    |                  |                                   |                                 |                           |                    |                                  |
| 29/8/88 | LD05       | 85                 | 4846.18              | 1201            | 45                            | 85             | 1204                            | 945            | 1219               | ✓                | 1010                              |                                 |                           |                    | hydrophoto 75m                   |
|         |            |                    | 12610.20             |                 |                               |                |                                 | 75             |                    |                  | 1018                              |                                 |                           |                    |                                  |
| 29/8/88 | LD4A       | 70                 | 4851.41              | 1248            | 46                            | 72             | 1251                            | <del>X</del>   |                    |                  |                                   |                                 |                           |                    |                                  |
|         |            |                    | 12600.30             |                 |                               |                |                                 |                |                    |                  |                                   |                                 |                           |                    |                                  |
| 29/8/88 | LD04       | 57                 | 4853.16              | 1312            | 47                            | 62             | 1315                            | 947            | 1325               | ✓                | 1019                              |                                 |                           |                    |                                  |
|         |            |                    | 12557.00             |                 |                               |                |                                 | 50             |                    |                  | 1025                              |                                 |                           |                    |                                  |

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|---------|------------|--------------------|-----------------------|-----------------|-------------------------------|----------------|-------------------------------|----------------|--------------------|------------------|-----------------------------------|---------------------------------|--------------------|-----------------------------|
| DATE    | STATION ID | DEPTH SOUNDING (m) | LATITUDE & LONGITUDE  | TIME SHIP STOPS | STD - CONSEC. NO. & DEPTH (m) | STD START TIME | HYDRO-CONSEC. NO. & DEPTH (m) | MESSENGER TIME | HYDRO SALINITY NO. | HYDRO OXYGEN NO. | BUCKET TEMPERATURE & SALINITY NO. | LOOP TEMPERATURE & SALINITY NO. | ENGINE TEMPERATURE | TIME SHIP PROCEEDS          |
| Zulu    |            |                    | ZULU                  |                 |                               |                |                               |                |                    |                  |                                   |                                 |                    | NOTES                       |
| 29/8/88 | LD23       | 40                 | 48 56.61<br>125 50.40 | 1400            | 48 45 1407                    | <del>X</del>   |                               |                |                    | 13335<br>31557   |                                   |                                 |                    |                             |
| 29/8/88 | LD2A       | 40                 | 48 57.48<br>125 48.7  | 1418            | 49 45 1422                    | <del>X</del>   |                               |                |                    | 13452<br>31484   |                                   |                                 |                    |                             |
| 29/8/88 | LD22       |                    | 48 58.35<br>125 47.05 |                 | 50 44 1437                    | 950            | 1442                          | ✓              | 1026<br>1029       | 12968<br>31602   |                                   |                                 |                    | + HYDRO                     |
| 29/8/88 | LD21       |                    | 49 00.1<br>125 43.8   | 1459            | 51 1507                       | <del>X</del>   |                               |                |                    |                  |                                   |                                 |                    |                             |
| 29/8/88 | AB21       |                    | 48 51.0<br>125 35.0   |                 | 52 1633                       | <del>X</del>   |                               |                |                    | 7<br>@ 1633      |                                   |                                 |                    | MOORING<br>RECOVERY<br>SITE |
| 29/8/88 | B1         | 140                | 48 45.41<br>125 34.12 |                 | 53 140 <sup>+</sup> 1745      | <del>X</del>   |                               |                |                    |                  |                                   |                                 |                    | MOORING<br>RECOVERY<br>SITE |
| 29/8/88 | LB23       | 87                 | 48 37.3<br>125 05.6   | 1959            | 54 91 2002                    | <del>X</del>   |                               |                |                    |                  |                                   |                                 | 2007               |                             |
| 29/8/88 | LB04       | 106                | 48 35.67<br>125 08.72 | 2024            | 55 110 2026                   | 955<br>100     | 2040                          | ✓              | 1040<br>1046       |                  |                                   |                                 |                    |                             |
| 29/8/88 | LB05       | 100                | 48 34.07<br>125 11.80 | 2112            | 56 108 2114                   | <del>X</del>   |                               |                |                    |                  |                                   |                                 | 2119               |                             |
| 29/8/88 | LB06       | 110                | 48 32.27<br>125 15.38 | 2141            | 57 115 2142                   | 957<br>100     | 2155                          | ✓              | 1047<br>1053       |                  |                                   |                                 |                    |                             |
| 30/8/88 | C1         |                    | 48 28.79<br>125 16.46 | 1802            | 58 0039                       | <del>X</del>   |                               |                |                    |                  |                                   |                                 |                    | MOORING<br>SITE C1          |
| 30/8/88 | LB27       | 155                | 48 28.68<br>125 22.10 | 0120            | 59 0122                       | <del>X</del>   |                               |                |                    |                  |                                   |                                 |                    |                             |

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|---------|------------|--------------------|----------------------|-----------------|-----------------------------|----------------|-------------------------------|----------------|--------------------|------------------|-----------------------------------|---------------------------------|---------------------------|--------------------|--------------------------------|
| DATE    | STATION ID | DEPTH SOUNDING (m) | LATITUDE & LONGITUDE | TIME SHIP STOPS | STD-CONSEC. NO. & DEPTH (m) | STD START TIME | HYDRO-CONSEC. NO. & DEPTH (m) | MESSENGER TIME | HYDRO SALINITY NO. | HYDRO OXYGEN NO. | BUCKET TEMPERATURE & SALINITY NO. | LOOP TEMPERATURE & SALINITY NO. | ENGINE INTAKE TEMPERATURE | TIME SHIP PROCEEDS | NOTES                          |
| 30/8/88 | LB48       | 129                | 4825.30              | 0202            | 60                          | 130            | 0204                          | 960            | 0221               | ✓                | 1054                              | 13395                           |                           |                    |                                |
|         |            |                    | 12528.65             |                 |                             |                |                               | 125            |                    |                  | 1061                              | 32198                           |                           |                    |                                |
| 30/8/88 | LB69       | 144                | 4822.00N             | 0255            | 61                          | 140            | 0300                          |                |                    |                  |                                   | 12513                           |                           |                    |                                |
|         |            |                    | 12534.80N            |                 |                             |                |                               |                |                    |                  |                                   | 32.089                          |                           |                    |                                |
| 30/8/88 | LB10       | 146                | 4818.53              | 0338            | 62                          | 150            | 0344                          | 962            | 0359               |                  | 1062                              | 13236                           |                           |                    |                                |
|         |            |                    | 12541.30             |                 |                             |                |                               | 140            |                    |                  | 1071                              | 32.058                          |                           |                    |                                |
| 30/8/88 | LB12       | 510                | 4812.92              | 0453            | 63                          | 518            | 0458                          |                |                    |                  |                                   | 13.962                          |                           |                    |                                |
|         |            |                    | 12551.90             |                 |                             |                |                               |                |                    |                  |                                   | 31940                           |                           |                    |                                |
| 30/8/88 | LB14       | 1163               | 4808.46              | 0553            | 64                          | 1162           | 0556                          |                |                    |                  |                                   |                                 |                           |                    |                                |
|         |            |                    | 12600.00             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |
| 30/8/88 | RDO5       | 2125               | 4759.98              |                 | 65                          |                | 1925                          |                |                    |                  |                                   |                                 |                           |                    | ADCP 15 DOWN PROFILE           |
|         |            |                    | 12904.38             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |
| 30/8/88 | RDO5       | 2130               | 4759.95              |                 | 66                          |                | 2035                          |                |                    |                  |                                   |                                 |                           |                    | ADCP 16 TIME SERIES + downcast |
|         |            |                    | 12904.50             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |
| 30/8/88 | RDO5       | 2120               | 4759.98              |                 | 67                          |                | 2307                          |                |                    |                  |                                   |                                 |                           |                    | ADCP 17 UPCASt                 |
|         |            |                    | 12904.35             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |
| 31/8/88 | RDP1       | "                  | 4756.02              |                 | 68                          |                | 0035                          |                |                    |                  |                                   |                                 |                           |                    | ADCP 18 DOWNCAST               |
|         |            |                    | 12906.85             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |
| 31/8/88 | RDP1       | "                  | 4756.04              |                 | 69                          |                | 0038                          |                |                    |                  |                                   |                                 |                           |                    | ADCP 19 Downcast               |
|         |            |                    | 12906.97             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |
| 31/8/88 | RDP1       | "                  | 4756.10              |                 | 70                          |                | 0127                          |                |                    |                  |                                   |                                 |                           |                    | ADCP 20 time series            |
|         |            |                    | 12906.88             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |
| 31/8/88 | RDP1       | "                  | 4756.09              |                 | 71                          |                | 0258                          |                |                    |                  |                                   |                                 |                           |                    | ADCP 21 time series            |
|         |            |                    | 12906.90             |                 |                             |                |                               |                |                    |                  |                                   |                                 |                           |                    |                                |

Must surface to start ping

The real downcast. No quick backup

0238 end

Stop @ 0518

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| SHIP <i>PMRIZEAU</i> |                  | CRUISE <i>88-14</i>     |                       |                 |                               |                |                               | TIME ZONE <i>UTC</i>        |                    |                  | PAGE <i>6</i> OF                  |                                 |                           |                    |                                         |
|----------------------|------------------|-------------------------|-----------------------|-----------------|-------------------------------|----------------|-------------------------------|-----------------------------|--------------------|------------------|-----------------------------------|---------------------------------|---------------------------|--------------------|-----------------------------------------|
| DATE                 | STATION ID       | DEPTH SOUNDING (m)      | LATITUDE & LONGITUDE  | TIME SHIP STOPS | STD - CONSEC. NO. & DEPTH (m) | STD START TIME | HYDRO-CONSEC. NO. & DEPTH (m) | MESSENGER TIME              | HYDRO SALINITY NO. | HYDRO OXYGEN NO. | BUCKET TEMPERATURE & SALINITY NO. | LOOP TEMPERATURE & SALINITY NO. | ENGINE INTAKE TEMPERATURE | TIME SHIP PROCEEDS | NOTES                                   |
| <i>7</i>             |                  |                         |                       |                 |                               |                |                               |                             |                    |                  |                                   |                                 |                           |                    |                                         |
| 31/8/88              | RDX1             | 2150                    | 47 56.08<br>129 07.03 | 72              | 0540                          |                |                               |                             |                    |                  | <i>v. slight plume</i>            |                                 |                           |                    | ADCP 22<br>TIME SERIES                  |
| 31/8/88              | RDX1             | 2150<br><del>2250</del> | 47 56.10<br>129 06.89 | 73              | 0814                          |                |                               |                             |                    |                  |                                   |                                 |                           |                    | ADCP 23<br>Upcast.                      |
| 31/8/88              | PLA4             | 2490                    | 48 14.87<br>126 39.24 | 74              | 1500                          | 1842           |                               |                             |                    |                  |                                   |                                 |                           |                    | CTD at A4<br>after Tow Yaw<br>NO TRANS. |
| 31/8/88              | PLA4             | 2490                    | 48 14.80<br>126 38.93 | 75              | 1916                          |                |                               | <i>upcast</i>               |                    |                  |                                   |                                 |                           |                    | PLANK                                   |
| 31/8/88              | LC11             | 1440                    | 48 18.89<br>126 26.76 | 2030 76         | 1501                          | 2056           |                               | <i>7 Calibration Sample</i> |                    |                  |                                   |                                 |                           | 2200               | Problems w<br>program                   |
| 31/8/88              | LC10             | 1226                    | 48 22.35<br>126 20.23 | 2230 77         | 1238                          | 2233           | 977<br>1200                   | 2338                        |                    |                  | 1001<br>1026                      |                                 |                           |                    |                                         |
| 31/8/88              | Recovered<br>A-1 |                         |                       | No luck         |                               |                |                               |                             |                    |                  |                                   |                                 |                           |                    |                                         |
| 1/9/88               | LC09             | 627                     | 48 25.78<br>126 13.62 | 0320 78         | 634                           | 0328           | 978<br>600                    | 0434                        |                    |                  | 1027<br>1045                      | 15,342                          | 9                         |                    | PLANK                                   |
| 1/9/88               | LC08             | 193                     | 48 29.42<br>126 07.16 | 0526 79         | 191                           | 0531           | 979<br>175                    | 0548                        |                    |                  | 1046<br>1055                      | 14,010                          | 10                        |                    | PLANK                                   |
| 1/9/88               | LC7A             | 162                     | 44 30.90<br>126 04.08 | 0644 80         | 162                           | 0646           | X                             |                             |                    |                  |                                   |                                 |                           |                    |                                         |
| 1/9/88               | LC07             | 121                     | 48 32.97<br>126 00.56 | 0714 81         | 120                           | 0716           |                               |                             |                    |                  |                                   |                                 |                           | 0721               |                                         |
|                      | LC6A             | 95                      | 48 34.63<br>125 57.17 | 0739 82         | 92                            | 0741           |                               |                             |                    |                  |                                   |                                 |                           | 0745               |                                         |

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|---------|------------|--------------------|----------------------|-----------------|-------------------------------|----------------|-------------------------------|----------------|--------------------|------------------|-------------------------------------|---------------------------------|--------------------|---------------------------|--------------------|-------------------------------|
| Parveen |            | 88-14              |                      | UTC             |                               | 7 OF           |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| DATE    | STATION ID | DEPTH SOUNDING (m) | LATITUDE & LONGITUDE | TIME SHIP STOPS | STD - CONSEC. NO. & DEPTH (m) | STD START TIME | HYDRO-CONSEC. NO. & DEPTH (m) | MESSENGER TIME | HYDRO SALINITY NO. | HYDRO OXYGEN NO. | BUCKET TEMPERATURE & SALINITY NO.   | LOOP TEMPERATURE & SALINITY NO. | ENGINE TEMPERATURE | ENGINE INTAKE TEMPERATURE | TIME SHIP PROCEEDS | NOTES                         |
| 1/9/88  | LC06       | 86                 | 48 36.42             | 0805            | 83                            | 85             | 0807                          | 983            |                    |                  | 1056                                |                                 |                    |                           | 0823               |                               |
|         |            |                    | 125 54.08            |                 |                               |                |                               | 75             |                    |                  | 1061                                |                                 |                    |                           |                    |                               |
| 1/9/88  | LC5A       | 71                 | 48 37.89             | 0841            | 84                            | 68             | 0843                          |                |                    |                  |                                     |                                 |                    |                           | 0847               |                               |
|         |            |                    | 125 51.00            |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LC05       | 60                 | 48 39.78             | 0906            | 85                            | 58             | 0908                          |                |                    |                  |                                     |                                 |                    |                           | 0912               |                               |
|         |            |                    | 125 47.55            |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LC4A       | 137                | 48 41.53             | 0930            | 86                            | 137            | 0932                          |                |                    |                  |                                     |                                 |                    |                           | 0938               |                               |
|         |            |                    | 125 44.38            |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LC04       | 161                | 48 43.32             | 0959            | 87                            | 166            | 1001                          | 987            |                    |                  | 1062                                |                                 |                    |                           |                    |                               |
|         |            |                    | 125 40.98            |                 |                               |                |                               |                |                    |                  | 1071                                |                                 |                    |                           |                    |                               |
| 1/9/88  | LC03       | 130                | 48 46.95             | 1100            | 88                            | 120            | 1109                          | <del>X</del>   |                    |                  | Station was called LC3A in computer |                                 |                    |                           | 1115               | Header change in D drive file |
|         |            |                    | 125 34.24            |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LC02       | 107                | 48 48.68             | 1140            | 89                            | 100            | 1143                          | 989            |                    |                  | 1072                                |                                 |                    |                           | 1206               | Header change in D drive file |
|         |            |                    | 125 30.95            |                 |                               |                |                               | 100            |                    |                  | 1078                                |                                 |                    |                           |                    |                               |
| 1/9/88  | LC01       | 94                 | 48 50.44             | 1226            | 90                            | 90             | 1228                          | <del>X</del>   |                    |                  |                                     |                                 |                    |                           | 1232               | Last station on LC line       |
|         |            |                    | 125 27.73            |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LC3A       | 160                | 48 45.34             | 1512            | 91                            |                | 1516                          |                |                    |                  |                                     |                                 |                    |                           |                    | Return to this station        |
|         |            |                    | 125 37.46            |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LPTY       |                    | 4 -                  |                 | 92                            |                | 2009                          |                |                    |                  |                                     |                                 |                    |                           |                    | TOW YOW                       |
|         |            |                    |                      |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LPTY       |                    | 48 47.66             |                 | 93                            |                | 2025                          |                |                    |                  |                                     |                                 |                    |                           |                    | ZND TRY                       |
|         |            |                    | 125 47.61            |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
| 1/9/88  | LPTY       |                    |                      |                 | 94                            |                | 2046                          |                |                    |                  |                                     |                                 |                    |                           |                    |                               |
|         |            |                    |                      |                 |                               |                |                               |                |                    |                  |                                     |                                 |                    |                           |                    |                               |

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