

# Bathymetry 12KH2 LOG

PAGE 1

OF 15

| CRUISE<br>FM 01-7 |  |  | AREA<br>Venezuela Basin<br>transit from Trinidad |  |  | PROJECT<br>CARIBBEAN TECTONICS<br>to IPOD CAR-3 SITE SURVEY |  |  | DATE<br>17 AUG 79 |  |  |
|-------------------|--|--|--|--|--|---|--|--|-------------------|--|--|
| TIME              |  |  | TIME   |  |  | TIME  |  |  | TIME              |  |  |
| 0000              |  |  | 0300   |  |  | 0600  |  |  | 0900              |  |  |
| 05                |  |  | 05   |  |  | 05  |  |  | 05                |  |  |
| 10                |  |  | 10   |  |  | 10  |  |  | 10                |  |  |
| 15                |  |  | 15   |  |  | 15  |  |  | 15                |  |  |
| 20                |  |  | 20   |  |  | 20  |  |  | 20                |  |  |
| 25                |  |  | 25   |  |  | 25  |  |  | 25                |  |  |
| 0030              |  |  | 0330   |  |  | 0630  |  |  | 0930              |  |  |
| 35                |  |  | 35   |  |  | 35  |  |  | 35                |  |  |
| 40                |  |  | 40   |  |  | 40  |  |  | 40                |  |  |
| 45                |  |  | 45   |  |  | 45  |  |  | 45                |  |  |
| 50                |  |  | 50   |  |  | 50  |  |  | 50                |  |  |
| 55                |  |  | 55   |  |  | 55  |  |  | 55                |  |  |
| 0100              |  |  | 0400   |  |  | 0700  |  |  | 1000              |  |  |
| 05                |  |  | 05   |  |  | 05  |  |  | 05                |  |  |
| 10                |  |  | 10   |  |  | 10  |  |  | 10                |  |  |
| 15                |  |  | 15   |  |  | 15  |  |  | 15                |  |  |
| 20                |  |  | 20   |  |  | 20  |  |  | 20                |  |  |
| 25                |  |  | 25   |  |  | 25  |  |  | 25                |  |  |
| 0130              |  |  | 0430   |  |  | 0730  |  |  | 1030              |  |  |
| 35                |  |  | 35   |  |  | 35  |  |  | 35                |  |  |
| 40                |  |  | 40   |  |  | 40  |  |  | 40                |  |  |
| 45                |  |  | 45   |  |  | 45  |  |  | 45                |  |  |
| 50                |  |  | 50   |  |  | 50  |  |  | 50                |  |  |
| 55                |  |  | 55   |  |  | 55  |  |  | 55                |  |  |
| 0200              |  |  | 0500   |  |  | 0800  |  |  | 1100              |  |  |
| 05                |  |  | 05   |  |  | 05  |  |  | 05                |  |  |
| 10                |  |  | 10   |  |  | 10  |  |  | 10                |  |  |
| 15                |  |  | 15   |  |  | 15  |  |  | 15                |  |  |
| 20                |  |  | 20   |  |  | 20  |  |  | 20                |  |  |
| 25                |  |  | 25   |  |  | 25  |  |  | 25                |  |  |
| 0230              |  |  | 0530   |  |  | 0830  |  |  | 1130              |  |  |
| 35                |  |  | 35   |  |  | 35  |  |  | 35                |  |  |
| 40                |  |  | 40   |  |  | 40  |  |  | 40                |  |  |
| 45                |  |  | 45   |  |  | 45  |  |  | 45                |  |  |
| 50                |  |  | 50   |  |  | 50  |  |  | 50                |  |  |
| 55                |  |  | 55   |  |  | 55  |  |  | 55                |  |  |

Swamp  
down  
10  
water

depth  
150  
no  
record

| CRUISE  |    |    | AREA VENEZUELA BASIN   |  |    | PROJECT IPOB CAR-3 SURVEY |  |     | DATE |     |      |     |      |         |      |  |      |  |  |
|---------|----|----|------------------------|--|----|---------------------------|--|-----|------|-----|------|-----|------|---------|------|--|------|--|--|
| FM 01-7 |    |    | SOUTHERN CARIBBEAN SEA |  |    | CARIBBEAN TECTONICS       |  |     | 230  |     |      |     |      |         |      |  |      |  |  |
| TIME    |    |    | TIME                   |  |    | TIME                      |  |     | TIME |     |      |     |      |         |      |  |      |  |  |
| 0000    | 00 | 53 | 0300                   |  | 38 | 0600                      |  | 38  | 0900 | 461 | 1200 | --- | 1500 | 864     | 1800 |  | 2100 |  |  |
| 05      |    | 52 |                        |  | 40 |                           |  | 50  |      | 474 |      | 880 |      | 862     |      |  |      |  |  |
| 10      |    | 52 |                        |  | 40 |                           |  | 86  |      | 489 |      | 882 |      | 862     |      |  |      |  |  |
| 15      |    | 51 |                        |  | 41 |                           |  | 88  |      | 506 |      | 880 |      | 864     |      |  |      |  |  |
| 20      |    | 52 |                        |  | 36 |                           |  | 86  |      | 521 |      | 882 |      | 863     |      |  |      |  |  |
| 25      |    | 48 |                        |  | 42 |                           |  | 91  |      | 538 |      | 884 |      | 864     |      |  |      |  |  |
| 0030    |    | 52 | 0330                   |  | 41 | 0630                      |  | 78  | 0930 | 558 | 1230 | 883 | 1530 | 865     | 1830 |  | 2130 |  |  |
| 35      |    | 52 |                        |  | 40 |                           |  | 80  |      | 581 |      | 883 |      | ---     |      |  |      |  |  |
| 40      |    | 52 |                        |  | 36 |                           |  | 68  |      | 609 |      | 886 |      | ---     |      |  |      |  |  |
| 45      |    | 52 |                        |  | 28 |                           |  | 73  |      | 643 |      | 879 |      | ---     |      |  |      |  |  |
| 50      |    | 52 |                        |  | 34 |                           |  | 80  |      | 681 |      | 891 |      | ---     |      |  |      |  |  |
| 55      |    | 52 |                        |  | 37 |                           |  | 98  |      | 726 |      | 898 |      | ---     |      |  |      |  |  |
| 0100    |    | 51 | 0400                   |  | 38 | 0700                      |  | 109 | 1000 | 767 | 1300 | 904 | 1600 | ---     | 1900 |  | 2200 |  |  |
| 05      |    | 50 |                        |  | 36 |                           |  | 78  |      | 811 |      | 901 |      | OFF     |      |  |      |  |  |
| 10      |    | 51 |                        |  | 36 |                           |  | 94  |      | 841 |      | 892 |      | NO WIRE |      |  |      |  |  |
| 15      |    | 50 |                        |  | 36 |                           |  | 131 |      | 860 |      | 882 |      | ECHO    |      |  |      |  |  |
| 20      |    | 50 |                        |  | 36 |                           |  | 118 |      | 867 |      | 872 |      |         |      |  |      |  |  |
| 25      |    | 46 |                        |  | 38 |                           |  | 148 |      | 863 |      | 868 |      |         |      |  |      |  |  |
| 0130    |    | 51 | 0430                   |  | 38 | 0730                      |  | 178 | 1030 | 857 | 1330 | 868 | 1630 |         | 1930 |  | 2230 |  |  |
| 35      |    | 46 |                        |  | 39 |                           |  | 192 |      | 830 |      | 870 |      |         |      |  |      |  |  |
| 40      |    | 48 |                        |  | 36 |                           |  | 224 |      | 770 |      | 870 |      |         |      |  |      |  |  |
| 45      |    | 48 |                        |  | 36 |                           |  | 260 |      | 680 |      | 880 |      |         |      |  |      |  |  |
| 50      |    | 44 |                        |  | 36 |                           |  | 268 |      | 580 |      | 883 |      |         |      |  |      |  |  |
| 55      |    | 49 |                        |  | 36 |                           |  | 290 |      | 502 |      | 884 |      |         |      |  |      |  |  |
| 0200    |    | 46 | 0500                   |  | 36 | 0800                      |  | 305 | 1100 | 412 | 1400 | 880 | 1700 |         | 2000 |  | 2300 |  |  |
| 05      |    | 46 |                        |  | 35 |                           |  | 319 |      | 257 |      | 868 |      |         |      |  |      |  |  |
| 10      |    | 46 |                        |  | 35 |                           |  | 329 |      | 231 |      | 868 |      |         |      |  |      |  |  |
| 15      |    | 43 |                        |  | 37 |                           |  | 334 |      | 215 |      | 864 |      |         |      |  |      |  |  |
| 20      |    | 49 |                        |  | 38 |                           |  | 345 |      | 202 |      | 860 |      |         |      |  |      |  |  |
| 25      |    | 44 |                        |  | 38 |                           |  | 360 |      | 197 |      | 857 |      |         |      |  |      |  |  |
| 0230    |    | 49 | 0530                   |  | 38 | 0830                      |  | 376 | 1130 | 189 | 1430 | 856 | 1730 |         | 2030 |  | 2330 |  |  |
| 35      |    | 40 | CHART 6 E              |  |    |                           |  | 391 |      | 182 |      | 852 |      |         |      |  |      |  |  |
| 40      |    | 48 | PAPER                  |  |    |                           |  | --- |      | 184 |      | 852 |      |         |      |  |      |  |  |
| 45      |    | 48 |                        |  | 38 |                           |  | 420 |      | 362 |      | 848 |      |         |      |  |      |  |  |
| 50      |    | 48 |                        |  | 38 |                           |  | 436 |      | 518 |      | 858 |      |         |      |  |      |  |  |
| 55      |    | 39 |                        |  | 38 |                           |  | 449 |      | 720 |      | 862 |      |         |      |  |      |  |  |

| CRUISE<br>FM 01-7 |  |      |      | AREA VENEZUELA BASIN<br>SOUTHERN CARIBBEAN |      |      |      | PROJECT IPDD CAR-3 SURVEY<br>CARIBBEAN TECTONICS |      |      |      | DATE JP 231<br>19 APR 79 |      |      |      |
|-------------------|--|------|------|--|------|------|------|--|------|------|------|--------------------------|------|------|------|
| TIME              |  | TIME |      | TIME                                       |      | TIME |      | TIME   |      | TIME |      | TIME                     |      | TIME |      |
| 0000              |  | 0300 |      | 0600                                       | 2670 | 0900 | 2674 | 1200   | 2676 | 1500 | 2676 | 1800                     | 2676 | 2100 | 2674 |
| 05                |  |      |      |  | 2670 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2675 |
| 10                |  |      |      |  | 2670 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2675 |
| 15                |  |      |      |  | 2670 |      | 2674 |  | 2675 |      | 2676 |                          | 2676 |      | 2675 |
| 20                |  |      |      |  | 2670 |      | 2674 |  | 2675 |      | 2676 |                          | 2676 |      | 2676 |
| 25                |  |      |      |  | 2671 |      | 2674 |  | 2675 |      | 2678 |                          | 2676 |      | 2676 |
| 0030              |  | 0330 |      | 0630                                       | 2672 | 0930 | 2674 | 1230   | 2675 | 1530 | 2678 | 1830                     | 2676 | 2130 | 2676 |
| 35                |  |      |      |  | 2672 |      | 2674 |  | 2675 |      | 2678 |                          | 2676 |      | 2676 |
| 40                |  |      |      |  | 2672 |      | 2674 |  | 2675 |      | 2678 |                          | 2676 |      | 2676 |
| 45                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2678 |                          | 2676 |      | 2676 |
| 50                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 55                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 0100              |  | 0400 |      | 0700                                       | 2672 | 1000 | 2674 | 1300   | 2676 | 1600 | 2676 | 1900                     | 2676 | 2200 | 2676 |
| 05                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 10                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 15                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 20                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 25                |  |      |      |  | 2672 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 0130              |  | 0430 |      | 0730                                       | 2673 | 1030 | 2674 | 1330   | 2676 | 1630 | 2676 | 1930                     | 2674 | 2230 | 2676 |
| 35                |  |      |      |  | 2673 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 40                |  |      |      |  | 2673 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 45                |  |      |      |  | 2673 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 50                |  |      |      |  | 2673 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 55                |  |      |      |  | 2674 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 0200              |  | 0500 | 2665 | 0800                                       | 2674 | 1100 | 2674 | 1400   | 2676 | 1700 | 2676 | 2000                     | 2675 | 2300 | 2676 |
| 05                |  |      | 2666 |  | 2674 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 10                |  |      | 2666 |  | 2674 |      | 2674 |  | 2676 |      | 2676 |                          | 2676 |      | 2676 |
| 15                |  |      | 2666 |  | 2674 |      | 2674 |  | 2676 |      | 2674 |                          | 2676 |      | 2676 |
| 20                |  |      | 2668 |  | 2674 |      | 2674 |  | 2676 |      | 2674 |                          | 2676 |      | 2676 |
| 25                |  |      | 2668 |  | 2674 |      | 2674 |  | 2676 |      | 2675 |                          | 2676 |      | 2676 |
| 0230              |  | 0530 | 2668 | 0830                                       | 2674 | 1130 | 2674 | 1430   | 2676 | 1730 | 2676 | 2030                     | 2676 | 2330 | 2677 |
| 35                |  |      | 2668 |  | 2674 |      | 2674 |  | 2676 |      | 2676 |                          | 2673 |      | 2677 |
| 40                |  |      | 2668 |  | 2674 |      | 2674 |  | 2676 |      | 2675 |                          | 2672 |      | 2676 |
| 45                |  |      | 2669 |  | 2674 |      | 2675 |  | 2676 |      | 2675 |                          | 2673 |      | 2676 |
| 50                |  |      | 2669 |  | 2674 |      | 2676 |  | 2676 |      | 2676 |                          | 2674 |      | 2676 |
| 55                |  |      | 2669 |  | 2674 |      | 2676 |  | 2676 |      | 2676 |                          | 2674 |      | 2676 |

| CRUISE  |      | AREA            |      | PROJECT IPOD CAR-3 SURVEY |      | DATE 30.232 |      |
|---------|------|-----------------|------|---------------------------|------|-------------|------|
| FM 01-7 |      | VENEZUELA BASIN |      | CARIBBEAN TECTONICS       |      | 20 AUG 79   |      |
| TIME    |      | TIME            |      | TIME                      |      | TIME        |      |
| 0000    | 2676 | 0300            | 2677 | 0600                      | 2676 | 0900        | 2676 |
| 05      | 2676 |                 | 2677 |                           | 2677 |             | 2676 |
| 10      | 2676 |                 | 2677 |                           | 2676 |             | 2676 |
| 15      | 2676 |                 | 2677 |                           | 2676 |             | 2676 |
| 20      | 2676 |                 | 2677 |                           | 2676 |             | 2676 |
| 25      | 2676 |                 | 2677 |                           | 2676 |             | 2676 |
| 0030    | 2676 | 0330            | 2677 | 0630                      | 2677 | 0930        | 2676 |
| 35      | 2676 |                 | 2678 |                           | 2677 |             | 2676 |
| 40      | 2676 |                 | 2676 |                           | 2677 |             | 2676 |
| 45      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 50      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 55      | 2676 |                 | 2676 |                           | 2677 |             | 2674 |
| 0100    | 2676 | 0400            | 2677 | 0700                      | 2677 | 1000        | 2676 |
| 05      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 10      | 2676 |                 | 2676 |                           | 2677 |             | 2676 |
| 15      | 2676 |                 | 2676 |                           | 2676 |             | 2675 |
| 20      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 25      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 0130    | 2676 | 0430            | 2678 | 0730                      | 2676 | 1030        | 2676 |
| 35      | 2676 |                 | 2677 |                           | 2676 |             | 2675 |
| 40      | 2676 |                 | 2677 |                           | 2676 |             | 2675 |
| 45      | 2676 |                 | 2676 |                           | 2676 |             | 2675 |
| 50      | 2677 |                 | 2676 |                           | 2676 |             | 2676 |
| 55      | 2677 |                 | 2676 |                           | 2676 |             | 2676 |
| 0200    | 2677 | 0500            | 2677 | 0800                      | 2676 | 1100        | 2676 |
| 05      | 2677 |                 | 2676 |                           | 2676 |             | 2676 |
| 10      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 15      | 2676 |                 | 2675 |                           | 2676 |             | 2676 |
| 20      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 25      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 0230    | 2676 | 0530            | 2676 | 0830                      | 2676 | 1130        | 2676 |
| 35      | 2676 |                 | 2676 |                           | 2676 |             | 2676 |
| 40      | 2676 |                 | 2675 |                           | 2676 |             | 2676 |
| 45      | 2677 |                 | 2676 |                           | 2676 |             | 2676 |
| 50      | 2677 |                 | 2676 |                           | 2676 |             | 2676 |
| 55      | 2677 |                 | 2675 |                           | 2676 |             | 2676 |

| CRUISE<br>FMOI-7 |      | AREA<br>VENEZUELA BASIN |      | PROJECT IPOD CAR-3 SURVEY<br>CARIBBEAN TECTONICS |      | DATE JD233<br>21 AUGUST 79 |      |
|------------------|------|-------------------------|------|--|------|----------------------------|------|
| TIME             |      | TIME                    |      | TIME   |      | TIME                       |      |
| 0000             | 2675 | 0300                    | 2676 | 0600   | 2676 | 0900                       | 2677 |
| 05               | 2675 |                         | 2676 |  | 2676 |                            | 2677 |
| 10               | 2675 |                         | 2676 |  | 2676 |                            | 2677 |
| 15               | 2675 |                         | 2676 |  | 2676 |                            | 2676 |
| 20               | 2675 |                         | 2676 |  | 2676 |                            | 2676 |
| 25               | 2675 |                         | 2676 |  | 2676 |                            | 2676 |
| 0030             | 2675 | 0330                    | 2677 | 0630   | 2676 | 0930                       | 2676 |
| 35               | 2675 |                         | 2677 |  | 2676 |                            | 2676 |
| 40               | 2676 |                         | 2677 |  | 2676 |                            | 2676 |
| 45               | 2676 |                         | 2677 |  | 2676 |                            | 2676 |
| 50               | 2676 |                         | 2677 |  | 2676 |                            | 2676 |
| 55               | 2676 |                         | 2677 |  | 2676 |                            | 2676 |
| 0100             | 2676 | 0400                    | 2678 | 0700   | 2676 | 1000                       | 2675 |
| 05               | 2676 |                         | 2676 |  | 2676 |                            | 2674 |
| 10               | 2676 |                         | 2676 |  | 2676 |                            | 2675 |
| 15               | 2676 |                         | 2676 |  | 2676 |                            | 2676 |
| 20               | 2676 |                         | 2676 |  | 2676 |                            | 2675 |
| 25               | 2675 |                         | 2676 |  | 2678 |                            | 2676 |
| 0130             | 2676 | 0430                    | 2676 | 0730   | 2676 | 1030                       | 2676 |
| 35               | 2675 |                         | 2676 |  | 2676 |                            | 2675 |
| 40               | 2676 |                         | 2678 |  | 2676 |                            | 2676 |
| 45               | 2676 |                         | 2677 |  | 2676 |                            | 2675 |
| 50               | 2676 |                         | 2677 |  | 2676 |                            | 2675 |
| 55               | 2676 |                         | 2676 |  | 2676 |                            | 2675 |
| 0200             | 2676 | 0500                    | 2676 | 0800   | 2676 | 1100                       | 2676 |
| 05               | 2676 |                         | 2676 |  | 2676 |                            | 2675 |
| 10               | 2676 |                         | 2676 |  | 2676 |                            | 2675 |
| 15               | 2676 |                         | 2678 |  | 2676 |                            | 2674 |
| 20               | 2674 |                         | 2676 |  | 2676 |                            | 2674 |
| 25               | 2676 |                         | 2677 |  | 2676 |                            | 2674 |
| 0230             | 2676 | 0530                    | 2678 | 0830   | 2678 | 1130                       | 2676 |
| 35               | 2676 |                         | 2676 |  | 2678 |                            | 2674 |
| 40               | 2676 |                         | 2678 |  | 2678 |                            | 2674 |
| 45               | 2676 |                         | 2678 |  | 2678 |                            | 2674 |
| 50               | 2676 |                         | 2678 |  | 2677 |                            | 2674 |
| 55               | 2676 |                         | 2676 |  | 2677 |                            | 2674 |

| CRUISE  |      |      | AREA            |      |      | PROJECT                                       |  |      | DATE                |      |  |
|---------|------|------|-----------------|------|------|---|--|------|---------------------|------|--|
| FM 01-7 |      |      | VENEZUELA BASIN |      |      | IP00 CAR-3 SITE SURVEY<br>CARIBBEAN TECTONICS |  |      | JD 234<br>22 AUG 79 |      |  |
| TIME    |      | TIME |                 | TIME |      | TIME  |  | TIME |                     | TIME |  |
| 0000    | 2677 | 0300 | 2677            | 0600 | 2544 | 0900  |  | 1200 |                     | 1500 |  |
| 05      | 2677 |      | 2677            |      | 2540 |   |  |      |                     | 1800 |  |
| 10      | 2677 |      | 2676            |      | 2530 |   |  |      |                     |      |  |
| 15      | 2677 |      | 2676            |      | 2526 |   |  |      |                     |      |  |
| 20      | 2677 |      | 2675            |      | 2520 |   |  |      |                     |      |  |
| 25      | 2677 |      | 2675            |      | 2518 |   |  |      |                     |      |  |
| 0030    | 2677 | 0330 | 2674            | 0630 | 2512 | 0930  |  | 1230 |                     | 1530 |  |
| 35      | 2677 |      | 2672            |      | 2506 |   |  |      |                     | 1830 |  |
| 40      | 2677 |      | 2669            |      | 2503 |   |  |      |                     |      |  |
| 45      | 2677 |      | 2664            |      | 2500 |   |  |      |                     |      |  |
| 50      | 2677 |      | 2662            |      | 2500 |   |  |      |                     |      |  |
| 55      | 2676 |      | 2656            |      | 2496 |   |  |      |                     |      |  |
| 0100    | 2675 | 0400 | 2648            | 0700 | 2494 | 1000  |  | 1300 |                     | 1600 |  |
| 05      | 2676 |      | 2646            |      | 2490 |   |  |      |                     | 1900 |  |
| 10      | 2676 |      | 2644            |      | 2492 |   |  |      |                     |      |  |
| 15      | 2676 |      | 2632            |      | 2490 |   |  |      |                     |      |  |
| 20      | 2677 |      | 2627            |      | 2490 |   |  |      |                     |      |  |
| 25      | 2677 |      | 2622            |      | 2490 |   |  |      |                     |      |  |
| 0130    | 2676 | 0430 | 2612            | 0730 | 2486 | 1030  |  | 1330 |                     | 1630 |  |
| 35      | 2677 |      | 2612            |      | 2486 |   |  |      |                     | 1930 |  |
| 40      | 2677 |      | 2610            |      | 2486 |   |  |      |                     |      |  |
| 45      | 2677 |      | 2610            |      | 2486 |   |  |      |                     |      |  |
| 50      | 2677 |      | 2608            |      | 2486 |   |  |      |                     |      |  |
| 55      | 2677 |      | 2606            |      | 2486 |   |  |      |                     |      |  |
| 0200    | 2677 | 0500 | 2602            | 0800 |      | 1100  |  | 1400 |                     | 1700 |  |
| 05      | 2677 |      | 2598            |      |      |   |  |      |                     | 2000 |  |
| 10      | 2677 |      | 2592            |      |      |   |  |      |                     |      |  |
| 15      | 2677 |      | 2588            |      |      |   |  |      |                     |      |  |
| 20      | 2677 |      | 2580            |      |      |   |  |      |                     |      |  |
| 25      | 2676 |      | 2571            |      |      |   |  |      |                     |      |  |
| 0230    | 2676 | 0530 | 2568            | 0830 |      | 1130  |  | 1430 |                     | 1730 |  |
| 35      | 2677 |      | 2564            |      |      |   |  |      |                     | 2030 |  |
| 40      | 2677 |      | 2563            |      |      |   |  |      |                     |      |  |
| 45      | 2677 |      | 2556            |      |      |   |  |      |                     |      |  |
| 50      | 2677 |      | 2551            |      |      |   |  |      |                     |      |  |
| 55      | 2677 |      | 2546            |      |      |   |  |      |                     |      |  |

| CRUISE |  |      | AREA CARIBBEAN SEA<br>TRANSIT TO YUCATAN BASIN |      |  | PROJECT IPD SITE SURVEY<br>CARIBBEAN TECTONICS |  |      | DATE JD. 235<br>23 AUG 79 |      |  |
|--------|--|------|--|------|--|--|--|------|---------------------------|------|--|
| TIME   |  | TIME |  | TIME |  | TIME   |  | TIME |                           | TIME |  |
| 0000   |  | 0300 |  | 0600 |  | 0900   |  | 1200 |                           | 1500 |  |
| 05     |  |      |  |      |  |  |  | 1800 |                           | 2100 |  |
| 10     |  |      |  |      |  |  |  |      |                           |      |  |
| 15     |  |      |  |      |  |  |  |      |                           |      |  |
| 20     |  |      |  |      |  |  |  |      |                           |      |  |
| 25     |  |      |  |      |  |  |  |      |                           |      |  |
| 0030   |  | 0330 |  | 0630 |  | 0930   |  | 1230 |                           | 1530 |  |
| 35     |  |      |  |      |  |  |  | 1830 |                           | 2130 |  |
| 40     |  |      |  |      |  |  |  |      |                           |      |  |
| 45     |  |      |  |      |  |  |  |      |                           |      |  |
| 50     |  |      |  |      |  |  |  |      |                           |      |  |
| 55     |  |      |  |      |  |  |  |      |                           |      |  |
| 0100   |  | 0400 |  | 0700 |  | 1000   |  | 1300 |                           | 1600 |  |
| 05     |  |      |  |      |  |  |  | 1900 |                           | 2200 |  |
| 10     |  |      |  |      |  |  |  |      |                           |      |  |
| 15     |  |      |  |      |  |  |  |      |                           |      |  |
| 20     |  |      |  |      |  |  |  |      |                           |      |  |
| 25     |  |      |  |      |  |  |  |      |                           |      |  |
| 0130   |  | 0430 |  | 0730 |  | 1030   |  | 1330 |                           | 1630 |  |
| 35     |  |      |  |      |  |  |  | 1930 |                           | 2230 |  |
| 40     |  |      |  |      |  |  |  |      |                           |      |  |
| 45     |  |      |  |      |  |  |  |      |                           |      |  |
| 50     |  |      |  |      |  |  |  |      |                           |      |  |
| 55     |  |      |  |      |  |  |  |      |                           |      |  |
| 0200   |  | 0500 |  | 0800 |  | 1100   |  | 1400 |                           | 1700 |  |
| 05     |  |      |  |      |  |  |  | 2000 |                           | 2300 |  |
| 10     |  |      |  |      |  |  |  |      |                           |      |  |
| 15     |  |      |  |      |  |  |  |      |                           |      |  |
| 20     |  |      |  |      |  |  |  |      |                           |      |  |
| 25     |  |      |  |      |  |  |  |      |                           |      |  |
| 0230   |  | 0530 |  | 0830 |  | 1130   |  | 1430 |                           | 1730 |  |
| 35     |  |      |  |      |  |  |  | 2030 |                           | 2330 |  |
| 40     |  |      |  |      |  |  |  |      |                           |      |  |
| 45     |  |      |  |      |  |  |  |      |                           |      |  |
| 50     |  |      |  |      |  |  |  |      |                           |      |  |
| 55     |  |      |  |      |  |  |  |      |                           |      |  |

NO VISIBLE

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| CRUISE<br>FM 01-7 |  |  | AREA CARIBBEAN SEA<br>TRANSIT TO YUCATAN BASIN |  |  | PROJECT IPOD SITE SURVEY<br>CARIBBEAN TECTONICS |  |  | DATE J.D. 236<br>24 AUG 79 |  |  |
|-------------------|--|--|--|--|--|---|--|--|----------------------------|--|--|
| TIME              |  |  | TIME   |  |  | TIME  |  |  | TIME                       |  |  |
| 0000              |  |  | 0300   |  |  | 0600  |  |  | 0900                       |  |  |
| 05                |  |  |  |  |  |   |  |  | 1200                       |  |  |
| 10                |  |  |  |  |  |   |  |  | 1500                       |  |  |
| 15                |  |  |  |  |  |   |  |  | 1800                       |  |  |
| 20                |  |  |  |  |  |   |  |  |                            |  |  |
| 25                |  |  |  |  |  |   |  |  |                            |  |  |
| 0030              |  |  | 0330   |  |  | 0630  |  |  | 0930                       |  |  |
| 35                |  |  |  |  |  |   |  |  | 1230                       |  |  |
| 40                |  |  |  |  |  |   |  |  | 1530                       |  |  |
| 45                |  |  |  |  |  |   |  |  | 1830                       |  |  |
| 50                |  |  |  |  |  |   |  |  |                            |  |  |
| 55                |  |  |  |  |  |   |  |  | 2130                       |  |  |
| 0100              |  |  | 0400   |  |  | 0700  |  |  | 1000                       |  |  |
| 05                |  |  |  |  |  |   |  |  | 1300                       |  |  |
| 10                |  |  |  |  |  |   |  |  | 1600                       |  |  |
| 15                |  |  |  |  |  |   |  |  | 1900                       |  |  |
| 20                |  |  |  |  |  |   |  |  |                            |  |  |
| 25                |  |  |  |  |  |   |  |  | 2200                       |  |  |
| 0130              |  |  | 0430   |  |  | 0730  |  |  | 1030                       |  |  |
| 35                |  |  |  |  |  |   |  |  | 1330                       |  |  |
| 40                |  |  |  |  |  |   |  |  | 1630                       |  |  |
| 45                |  |  |  |  |  |   |  |  | 1930                       |  |  |
| 50                |  |  |  |  |  |   |  |  |                            |  |  |
| 55                |  |  |  |  |  |   |  |  | 2230                       |  |  |
| 0200              |  |  | 0500   |  |  | 0800  |  |  | 1100                       |  |  |
| 05                |  |  |  |  |  |   |  |  | 1400                       |  |  |
| 10                |  |  |  |  |  |   |  |  | 1700                       |  |  |
| 15                |  |  |  |  |  |   |  |  | 2000                       |  |  |
| 20                |  |  |  |  |  |   |  |  |                            |  |  |
| 25                |  |  |  |  |  |   |  |  | 2300                       |  |  |
| 0230              |  |  | 0530   |  |  | 0830  |  |  | 1130                       |  |  |
| 35                |  |  |  |  |  |   |  |  | 1430                       |  |  |
| 40                |  |  |  |  |  |   |  |  | 1730                       |  |  |
| 45                |  |  |  |  |  |   |  |  | 2030                       |  |  |
| 50                |  |  |  |  |  |   |  |  | 2330                       |  |  |
| 55                |  |  |  |  |  |   |  |  |                            |  |  |

NO VISIBLE  
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| CRUISE<br>FM 01-7 |  |  | AREA CARIBBEAN SEA<br>TRANSIT TO YUCATAN BASIN |  |  | PROJECT IPOD SITE SURVEY<br>CARIBBEAN TECTONICS |  |  | DATE. J.D. 237<br>25 Aug 79 |  |  |
|-------------------|--|--|--|--|--|---|--|--|-----------------------------|--|--|
| TIME              |  |  | TIME   |  |  | TIME  |  |  | TIME                        |  |  |
| 0000              |  |  | 0300   |  |  | 0600  |  |  | 0900                        |  |  |
| 05                |  |  |  |  |  |   |  |  | 1200                        |  |  |
| 10                |  |  |  |  |  |   |  |  | 1500                        |  |  |
| 15                |  |  |  |  |  |   |  |  | 1800                        |  |  |
| 20                |  |  |  |  |  |   |  |  |                             |  |  |
| 25                |  |  |  |  |  |   |  |  |                             |  |  |
| 0030              |  |  | 0330   |  |  | 0630  |  |  | 0930                        |  |  |
| 35                |  |  |  |  |  |   |  |  | 1230                        |  |  |
| 40                |  |  |  |  |  |   |  |  | 1530                        |  |  |
| 45                |  |  |  |  |  |   |  |  | 1830                        |  |  |
| 50                |  |  |  |  |  |   |  |  |                             |  |  |
| 55                |  |  |  |  |  |   |  |  |                             |  |  |
| 0100              |  |  | 0400   |  |  | 0700  |  |  | 1000                        |  |  |
| 05                |  |  |  |  |  |   |  |  | 1300                        |  |  |
| 10                |  |  |  |  |  |   |  |  | 1600                        |  |  |
| 15                |  |  |  |  |  |   |  |  | 1900                        |  |  |
| 20                |  |  |  |  |  |   |  |  |                             |  |  |
| 25                |  |  |  |  |  |   |  |  |                             |  |  |
| 0130              |  |  | 0430   |  |  | 0730  |  |  | 1030                        |  |  |
| 35                |  |  |  |  |  |   |  |  | 1330                        |  |  |
| 40                |  |  |  |  |  |   |  |  | 1630                        |  |  |
| 45                |  |  |  |  |  |   |  |  | 1930                        |  |  |
| 50                |  |  |  |  |  |   |  |  |                             |  |  |
| 55                |  |  |  |  |  |   |  |  |                             |  |  |
| 0200              |  |  | 0500   |  |  | 0800  |  |  | 1100                        |  |  |
| 05                |  |  |  |  |  |   |  |  | 1400                        |  |  |
| 10                |  |  |  |  |  |   |  |  | 1700                        |  |  |
| 15                |  |  |  |  |  |   |  |  | 2000                        |  |  |
| 20                |  |  |  |  |  |   |  |  |                             |  |  |
| 25                |  |  |  |  |  |   |  |  |                             |  |  |
| 0230              |  |  | 0530   |  |  | 0830  |  |  | 1130                        |  |  |
| 35                |  |  |  |  |  |   |  |  | 1430                        |  |  |
| 40                |  |  |  |  |  |   |  |  | 1730                        |  |  |
| 45                |  |  |  |  |  |   |  |  | 2030                        |  |  |
| 50                |  |  |  |  |  |   |  |  |                             |  |  |
| 55                |  |  |  |  |  |   |  |  |                             |  |  |

NO VISIBLE

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| CRUISE |  |  | AREA CARIBBEAN SEA<br>YUCATAN BASIN |  |  |      |  |  | PROJECT CARIBBEAN TECTONICS<br>IPOD SITE SURVEY AREA CAR-7 |  |  |      |  |  | DATE J.D. 238<br>26 Aug 79 |  |  |
|--------|--|--|-------------------------------------|--|--|------|--|--|--|--|--|------|--|--|----------------------------|--|--|
| FMO1-7 |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| TIME   |  |  | TIME                                |  |  | TIME |  |  | TIME   |  |  | TIME |  |  | TIME                       |  |  |
| 0000   |  |  | 0300                                |  |  | 0600 |  |  | 0900   |  |  | 1200 |  |  | 1500                       |  |  |
| 05     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  | 1800                       |  |  |
| 10     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 15     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 20     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 25     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 0030   |  |  | 0330                                |  |  | 0630 |  |  | 0930   |  |  | 1230 |  |  | 1530                       |  |  |
| 35     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  | 1830                       |  |  |
| 40     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 45     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 50     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 55     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 0100   |  |  | 0400                                |  |  | 0700 |  |  | 1000   |  |  | 1300 |  |  | 1600                       |  |  |
| 05     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  | 1900                       |  |  |
| 10     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 15     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 20     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 25     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 0130   |  |  | 0430                                |  |  | 0730 |  |  | 1030   |  |  | 1330 |  |  | 1630                       |  |  |
| 35     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  | 1930                       |  |  |
| 40     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 45     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 50     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 55     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 0200   |  |  | 0500                                |  |  | 0800 |  |  | 1100   |  |  | 1400 |  |  | 1700                       |  |  |
| 05     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  | 2000                       |  |  |
| 10     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 15     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 20     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 25     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 0230   |  |  | 0530                                |  |  | 0830 |  |  | 1130   |  |  | 1430 |  |  | 1730                       |  |  |
| 35     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  | 2030                       |  |  |
| 40     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 45     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 50     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |
| 55     |  |  |                                     |  |  |      |  |  |  |  |  |      |  |  |                            |  |  |

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| CRUISE<br>FMOI-7 |      |      | AREA CARIBBEAN SEA<br>YULATAN BASIN |      |      | PROJECT CARIBBEAN TECTONICS<br>IPOD SITE SURVEY AREA CAR-7 |      |      | DATE JD 239<br>27 AUG 79 |      |      |
|------------------|------|------|-------------------------------------|------|------|--|------|------|--------------------------|------|------|
| TIME             |      | TIME |                                     | TIME |      | TIME   |      | TIME |                          | TIME |      |
| 0000             | 2395 | 0300 | 2411                                | 0600 | 2414 | 0900   | 2416 | 1200 |                          | 1500 | 2418 |
| 05               | 2396 |      | 2411                                |      | 2414 |  | 2416 |      |                          | 1800 | 2418 |
| 10               | 2397 |      | 2411                                | 10   | 2414 | 10   | 2416 |      |                          | 2100 | 2416 |
| 15               | 2398 |      | 2411                                |      | 2414 |  | 2416 |      |                          |      | 2416 |
| 20               | 2399 |      | 2412                                | 20   | 2414 | 20   | 2416 |      |                          |      | 2416 |
| 25               | 2400 |      | 2412                                |      | 2414 |  | 2416 |      |                          |      | 2415 |
| 0030             | 2402 | 0330 | 2412                                | 0630 | 2415 | 0930   | 2416 | 1230 |                          | 1530 | 2418 |
| 35               | 2402 |      | 2412                                |      | 2415 |  | 2416 |      |                          | 1830 | 2417 |
| 40               | 2402 |      | 2412                                | 40   | 2415 | 40   | 2416 |      |                          | 2130 | 2414 |
| 45               | 2402 |      | 2412                                |      | 2415 |  | 2416 |      |                          |      | 2413 |
| 50               | 2402 |      | 2412                                | 50   | 2415 | 50   | 2416 |      |                          |      | 2410 |
| 55               | 2402 |      | 2412                                |      | 2415 |  | 2416 |      |                          |      | 2416 |
| 0100             | 2402 | 0400 | 2412                                | 0700 | 2415 | 1000   | 2416 | 1300 |                          | 1600 | 2416 |
| 05               | 2403 |      | 2412                                |      | 2415 |  | 2416 |      |                          | 1900 | 2416 |
| 10               | 2403 | 10   | 2412                                | 10   | 2415 |  | 2416 |      |                          | 2200 | 2416 |
| 15               | 2403 |      | 2412                                |      | 2416 |  | 2416 |      |                          |      | 2416 |
| 20               | 2404 | 20   | 2412                                | 20   | 2416 |  | 2417 |      |                          |      | 2416 |
| 25               | 2404 |      | 2412                                |      | 2416 |  | 2417 |      |                          |      | 2416 |
| 0130             | 2405 | 0430 | 2412                                | 0730 | 2416 | 1030   | 2417 | 1330 |                          | 1630 | 2416 |
| 35               | 2405 |      | 2412                                |      | 2416 |  |      |      |                          | 1930 | 2416 |
| 40               | 2406 | 40   | 2412                                | 40   | 2416 |  |      |      |                          | 2230 | 2416 |
| 45               | 2406 |      | 2413                                |      | 2416 |  |      |      |                          |      | 2416 |
| 50               | 2407 | 50   | 2413                                | 50   | 2416 |  |      |      |                          |      | 2416 |
| 55               | 2407 |      | 2412                                |      | 2416 |  |      |      |                          |      | 2416 |
| 0200             | 2408 | 0500 | 2412                                | 0800 | 2416 | 1100   |      | 1400 | 2416                     | 1700 | 2416 |
| 05               | 2408 |      | 2413                                |      | 2416 |  |      |      |                          | 2000 | 2416 |
| 10               | 2408 | 10   | 2413                                | 10   | 2416 |  |      |      |                          | 2300 | 2416 |
| 15               | 2408 |      | 2413                                |      | 2416 |  |      |      |                          |      | 2416 |
| 20               | 2409 | 20   | 2413                                | 20   | 2416 |  |      |      |                          |      | 2416 |
| 25               | 2409 |      | 2413                                |      | 2416 |  |      |      |                          |      | 2416 |
| 0230             | 2409 | 0530 | 2414                                | 0830 | 2416 | 1130   |      | 1430 | 2416                     | 1730 | 2416 |
| 35               | 2409 |      | 2414                                |      | 2416 |  |      |      |                          | 2030 | 2416 |
| 40               | 2409 | 40   | 2414                                | 40   | 2416 |  |      |      |                          | 2330 | 2417 |
| 45               | 2410 |      | 2414                                |      | 2416 |  |      |      |                          |      | 2417 |
| 50               | 2410 | 50   | 2414                                | 50   | 2416 |  |      |      |                          |      | 2416 |
| 55               | 2410 |      | 2414                                |      | 2416 |  |      |      |                          |      | 2416 |

| CRUISE<br>FM 01-7 |      |      | AREA CARIBBEAN SEA<br>YUCATAN BASIN |      |      |      | PROJECT IPOD SITE SURVEY AREA CAR-7<br>CARIBBEAN TECTONICS |      |      |      | DATE 20.240<br>28 AUG 79 |      |      |
|-------------------|------|------|-------------------------------------|------|------|------|--|------|------|------|--------------------------|------|------|
| TIME              |      | TIME |                                     | TIME |      | TIME |  | TIME |      | TIME |                          | TIME |      |
| 0000              | 2016 | 0300 | 2416                                | 0600 | 2418 | 0900 | 2417   | 1200 | 2416 | 1500 | 2412                     | 1800 | 2411 |
| 05                | 2040 |      | 2416                                |      | 2418 |      | 2417   |      | 2416 |      | 2412                     |      | 2410 |
| 10                | 2114 |      | 2416                                | 10   | 2418 |      | 2417   |      | 2416 |      | 2412                     | 10   | 2410 |
| 15                | 2200 |      | 2416                                |      | 2418 |      | 2417   |      | 2416 |      | 2412                     |      | 2410 |
| 20                | 2288 |      | 2416                                | 20   | 2418 |      | 2416   |      | 2416 |      | 2412                     | 20   | 2410 |
| 25                | 2345 |      | 2416                                |      | 2418 |      | 2416   |      | 2416 |      | 2412                     |      | 2410 |
| 0030              | 2396 | 0330 | 2416                                | 0630 | 2418 | 0930 | 2416   | 1230 | 2416 | 1530 | 2412                     | 1830 | 2409 |
| 35                | 2400 |      | 2416                                |      | 2418 |      | 2416   |      | 2416 |      | 2412                     |      | 2409 |
| 40                | 2392 |      | 2416                                | 40   | 2418 |      | 2416   |      | 2415 |      | 2412                     | 40   | 2409 |
| 45                | 2342 |      | 2416                                |      | 2418 |      | 2416   |      | 2415 |      | 2412                     |      | 2409 |
| 50                | 2294 |      | 2417                                | 50   | 2418 |      | 2416   |      | 2415 |      | 2412                     | 50   | 2409 |
| 55                | 2282 |      | 2417                                |      | 2418 |      | 2416   |      | 2415 |      | 2412                     |      | 2408 |
| 0100              | 2318 | 0400 | 2417                                | 0700 | 2418 | 1000 | 2416   | 1300 | 2415 | 1600 | 2411                     | 1900 | 2406 |
| 05                | 2374 |      | 2417                                |      | 2418 |      | 2416   |      | 2414 |      | 2411                     |      | 2406 |
| 10                | 2376 |      | 2417                                | 10   | 2418 |      | 2416   |      | 2414 |      | 2411                     | 10   | 2406 |
| 15                | 2370 |      | 2417                                |      | 2418 |      | 2416   |      | 2414 |      | 2411                     |      | 2408 |
| 20                | 2290 |      | 2417                                | 20   | 2418 |      | 2416   |      | 2414 |      | 2411                     | 20   | 2390 |
| 25                | 2240 |      | 2417                                |      | 2418 |      | 2416   |      | 2414 |      | 2411                     |      | 2382 |
| 0130              | 2246 | 0430 | 2417                                | 0730 | 2418 | 1030 | 2416   | 1330 | 2414 | 1630 | 2411                     | 1930 | 2214 |
| 35                | 2400 |      | 2418                                |      | 2418 |      | 2416   |      | 2414 |      | 2410                     |      | 2214 |
| 40                | 2410 | 40   | 2418                                | 40   | 2418 |      | 2416   |      | 2414 |      | 2410                     | 40   | 2214 |
| 45                | 2412 |      | 2418                                |      | 2418 |      | 2416   |      | 2414 |      | 2410                     |      | 2214 |
| 50                | 2414 | 50   | 2418                                | 50   | 2418 |      | 2416   |      | 2414 |      | 2410                     | 50   | 2214 |
| 55                | 2416 |      | 2417                                |      | 2418 |      | 2416   |      | 2414 |      | 2410                     |      | 2214 |
| 0200              | 2416 | 0500 | 2417                                | 0800 | 2418 | 1100 | 2416   | 1400 | 2413 | 1700 | 2410                     | 2000 | 2214 |
| 05                | 2418 |      | 2418                                |      | 2418 |      | 2416   |      | 2413 |      | 2411                     |      | 2214 |
| 10                | 2418 | 10   | 2418                                | 10   | 2418 |      | 2416   |      | 2413 |      | 2411                     | 10   | 2214 |
| 15                | 2418 |      | 2418                                |      | 2418 |      | 2416   |      | 2413 |      | 2411                     |      | 1858 |
| 20                | 2418 | 20   | 2418                                | 20   | 2418 |      | 2416   |      | 2413 |      | 2411                     | 20   | 1899 |
| 25                | 2418 |      | 2418                                |      | 2418 |      | 2416   |      | 2413 |      | 2410                     |      | 1888 |
| 0230              | 2418 | 0530 | 2418                                | 0830 | 2418 | 1130 | 2416   | 1430 | 2412 | 1730 | 2410                     | 2030 | 1790 |
| 35                | 2416 |      | 2418                                |      | 2418 |      | 2416   |      | 2412 |      | 2411                     |      | 1790 |
| 40                | 2416 | 40   | 2418                                | 40   | 2418 |      | 2416   |      | 2412 |      | 2411                     | 40   | 1516 |
| 45                | 2416 |      | 2418                                |      | 2418 |      | 2416   |      | 2412 |      | 2411                     |      | 1448 |
| 50                | 2416 | 50   | 2418                                | 50   | 2418 |      | 2416   |      | 2412 |      | 2411                     | 50   | 1384 |
| 55                | 2416 |      | 2418                                |      | 2418 |      | 2416   |      | 2412 |      | 2411                     |      | 1310 |

| CRUISE<br>FM 01-7 |      |      | AREA<br>Yucatan Basin |      |     | PROJECT<br>transit |    |      | DATE<br>29 Aug 79 |      |    |
|-------------------|------|------|-----------------------|------|-----|--------------------|----|------|-------------------|------|----|
| TIME              |      | TIME |                       | TIME |     | TIME               |    | TIME |                   | TIME |    |
| 0000              | 0754 | 0300 | 472                   | 0600 | 443 | 0900               | 85 | 1200 | 29                | 1500 | 51 |
| 05                | 757  |      | 440                   |      | 42  |                    | 85 |      | 28                |      | 51 |
| 10                | 758  |      | 477                   |      | 42  |                    | 85 |      | 28                |      | 51 |
| 15                | 760  |      | 464                   |      | 42  |                    | 86 |      | 28                |      | 50 |
| 20                | 776  |      | 396                   |      | 44  |                    | 87 |      | 28                |      | 51 |
| 25                | 790  |      | 383                   |      | 46  |                    | 88 |      | 27                |      | 51 |
| 0030              | 812  | 0330 | 424                   | 0630 | 460 | 0930               | 68 | 1230 | 27                | 1530 | 50 |
| 35                | 817  |      | 372                   |      | 48  |                    | 60 |      | 28                |      | 50 |
| 40                | 828  |      | 378                   |      | 39  |                    | 49 |      | 27                |      | 50 |
| 45                | 835  |      | 314                   |      |     |                    | 42 |      | 26                |      | 50 |
| 50                | 885  |      | 268                   |      | 49  |                    | 31 |      | 26                |      | 51 |
| 55                | 844  |      | 271                   |      | 47  |                    | 26 |      | 26                |      | 50 |
| 0100              | 827  | 0400 | 249                   | 0700 | 47  | 1000               | 26 | 1300 |                   | 1600 | 38 |
| 05                | 826  |      | 222                   |      | 46  |                    | 24 |      |                   | 38   | 48 |
| 10                | 812  |      | 196                   |      | 46  |                    | 26 |      |                   | 38   | 44 |
| 15                | 792  |      | 191                   |      | 46  |                    | 26 |      |                   | 38   | 42 |
| 20                | 796  |      | 164                   |      | 47  |                    | 27 |      |                   | 38   | 42 |
| 25                | 794  |      | 152                   |      | 50  |                    | 27 |      |                   | 42   | 39 |
| 0130              | 744  | 0430 | 142                   | 0730 | 51  | 1030               | 27 | 1330 |                   | 1630 | 42 |
| 35                | 726  |      | 132                   |      | 54  |                    | 27 |      |                   | 43   | 39 |
| 40                | 744  |      | 128                   |      | 57  |                    | 27 |      |                   | 44   | 39 |
| 45                | 706  |      | 116                   |      | 58  |                    | 27 |      |                   | 43   | 37 |
| 50                | 683  |      | 110                   |      | 60  |                    | 28 |      |                   | 40   | 38 |
| 55                | 668  |      | 100                   |      | 64  |                    | 28 |      |                   | 37   | 38 |
| 0200              | 578  | 0500 | 92                    | 0800 | 68  | 1100               | 28 | 1400 |                   | 1700 | 42 |
| 05                | 516  |      | 80                    |      | 69  |                    | 28 |      |                   | 45   | 41 |
| 10                | 496  |      | 73                    |      | 67  |                    | 28 |      |                   | 46   | 41 |
| 15                | 464  |      | 70                    |      | 70  |                    | 28 |      |                   | 46   | 56 |
| 20                | 454  |      | 66                    |      | 71  |                    | 28 |      |                   | 44   | 62 |
| 25                | 444  |      | 52                    |      | 73  |                    | 28 |      |                   | 48   | 68 |
| 0230              | 434  | 0530 | 50                    | 0830 | 74  | 1130               | 29 | 1430 |                   | 1730 | 48 |
| 35                | 492  |      | 38                    |      | 80  |                    | 28 |      |                   | 49   | 72 |
| 40                | 571  |      | 36                    |      | 81  |                    | 28 |      |                   | 50   | 74 |
| 45                | 583  |      | 34                    |      | 83  |                    | 28 |      |                   | 50   | 79 |
| 50                | 510  |      | 38                    | 50   | 83  |                    | 27 |      |                   | 51   | 81 |
| 55                | 478  |      | 44                    |      | 84  |                    | 28 |      |                   | 50   | 83 |

| CRUISE<br>FM01-7 |      |      |      | AREA<br>GULF of Mexico |      |      |      | PROJECT<br>Transit to Galveston |      |      |      | DATE<br>30 Aug 79 |  |      |  |
|------------------|------|------|------|------------------------|------|------|------|---------------------------------|------|------|------|-------------------|--|------|--|
| TIME             |      | TIME |      | TIME                   |      | TIME |      | TIME                            |      | TIME |      | TIME              |  | TIME |  |
| 0000             | 1012 | 0300 | 1886 | 0600                   | 1888 | 0900 | 1864 | 1200                            | 1795 | 1500 | 1790 | 1800              |  | 2100 |  |
| 05               | 104  |      | 1886 |                        | 1886 |      | 1860 |                                 | 1795 |      | 1788 |                   |  |      |  |
| 10               | 104  |      | 1887 | 10                     | 1887 |      | 1859 |                                 | 1798 |      | 1786 |                   |  |      |  |
| 15               | 104  |      | 1888 |                        | 1886 |      | 1857 |                                 | 1800 |      | 1786 |                   |  |      |  |
| 20               | 102  |      | 1888 | 20                     | 1884 |      | 1854 |                                 | 1792 |      | 1788 |                   |  |      |  |
| 25               | 96   |      | 1887 |                        | 1886 |      | 1855 |                                 | 1790 |      | 1786 |                   |  |      |  |
| 0030             | 92   | 0330 | 1888 | 0630                   | 1884 | 0930 | 1843 | 1230                            | 1794 | 1530 | 1764 | 1830              |  | 2130 |  |
| 35               | 133  |      | 1886 |                        | 1884 |      | 1839 |                                 | 1794 |      | 1784 |                   |  |      |  |
| 40               | 167  |      | 1887 | 40                     | 1885 |      | 1837 |                                 | 1792 |      | 1784 |                   |  |      |  |
| 45               | 294  |      | 1886 |                        | 1880 |      | 1840 |                                 | 1792 |      | 1781 |                   |  |      |  |
| 50               | —    |      | 1885 | 50                     | 1879 |      | 1839 |                                 | 1792 |      | 1779 |                   |  |      |  |
| 55               | —    |      | 1885 |                        | 1879 |      | 1839 |                                 | 1792 |      | 1776 |                   |  |      |  |
| 0100             | —    | 0400 | 1888 | 0700                   | 1880 | 1000 | 1839 | 1300                            | 1792 | 1600 | 1774 | 1900              |  | 2200 |  |
| 05               | —    |      | 1882 |                        | 1878 |      | 1840 |                                 | 1788 |      | 1765 |                   |  |      |  |
| 10               | —    |      | 1882 | 10                     | 1878 |      | 1837 |                                 | 1786 |      | 1764 |                   |  |      |  |
| 15               | —    |      | 1881 |                        | 1877 |      | 1834 |                                 | 1794 |      | 1752 |                   |  |      |  |
| 20               | —    |      | 1882 | 20                     | 1876 |      | 1832 |                                 | 1792 |      | 1744 |                   |  |      |  |
| 25               | —    |      | 1882 |                        | 1876 |      | 1833 |                                 | 1792 |      | 1736 |                   |  |      |  |
| 0130             | —    | 0430 | 1882 | 0730                   | 1873 | 1030 | 1826 | 1330                            | 1795 | 1630 | 1730 | 1930              |  | 2230 |  |
| 35               | —    |      | 1882 |                        | 1873 |      | 1816 |                                 | 1794 |      | 1728 |                   |  |      |  |
| 40               | —    |      | 1882 | 40                     | 1873 |      | 1814 |                                 | 1793 | 40   | 1722 |                   |  |      |  |
| 45               | —    |      | 1883 |                        | 1872 |      | 1810 |                                 | 1792 |      | 1726 |                   |  |      |  |
| 50               | —    |      | 1882 | 50                     | 1870 |      | 1809 |                                 | 1792 |      |      |                   |  |      |  |
| 55               | —    |      | 1882 |                        | 1866 |      | 1808 |                                 | 1790 |      |      |                   |  |      |  |
| 0200             | —    | 0500 | 1881 | 0800                   | 1868 | 1100 | 1804 | 1400                            | 1792 | 1700 |      | 2000              |  | 2300 |  |
| 05               | —    |      | 1881 |                        | 1864 |      | 1791 |                                 | 1790 |      |      |                   |  |      |  |
| 10               | —    |      | 1882 | 10                     | 1863 |      | 1795 |                                 | 1792 |      |      |                   |  |      |  |
| 15               | 1884 |      | 1883 |                        | 1864 |      | 1792 |                                 | 1795 |      |      |                   |  |      |  |
| 20               | 1884 |      | 1884 | 20                     | 1864 |      | 1792 |                                 | 1796 |      |      |                   |  |      |  |
| 25               | 1885 |      | 1884 |                        | 1864 |      | 1792 |                                 | 1798 |      |      |                   |  |      |  |
| 0230             | 1886 | 0530 | 1885 | 0830                   | 1865 | 1130 | 1793 | 1430                            | 1798 | 1730 |      | 2030              |  | 2330 |  |
| 35               | 1886 |      | 1886 |                        | 1868 |      | 1792 |                                 | 1796 |      |      |                   |  |      |  |
| 40               | 1886 |      | 1886 | 40                     | 1868 |      | 1792 |                                 | 1796 |      |      |                   |  |      |  |
| 45               | 1886 |      | 1887 |                        | 1866 |      | 1794 |                                 | 1796 |      |      |                   |  |      |  |
| 50               | 1886 |      | 1887 | 50                     | 1866 |      | 1794 |                                 | 1794 |      |      |                   |  |      |  |
| 55               | 1886 |      | 1888 |                        | 1864 |      | 1795 |                                 | 1792 |      |      |                   |  |      |  |

| CRUISE<br>FM 01-7 |  |      |  | AREA<br>Gulf of Mexico |  |      |  | PROJECT<br>Caribbean Tectonics |  |      |  | DATE<br>31 AUG 79 |  |      |  |
|-------------------|--|------|--|------------------------|--|------|--|--------------------------------|--|------|--|-------------------|--|------|--|
| TIME              |  | TIME |  | TIME                   |  | TIME |  | TIME                           |  | TIME |  | TIME              |  | TIME |  |
| 0000              |  | 0300 |  | 0600                   |  | 0900 |  | 1200                           |  | 1500 |  | 1800              |  | 2100 |  |
| 05                |  | 05   |  | 05                     |  | 05   |  | 05                             |  | 05   |  | 05                |  | 05   |  |
| 10                |  | 10   |  | 10                     |  | 10   |  | 10                             |  | 10   |  | 10                |  | 10   |  |
| 15                |  | 15   |  | 15                     |  | 15   |  | 15                             |  | 15   |  | 15                |  | 15   |  |
| 20                |  | 20   |  | 20                     |  | 20   |  | 20                             |  | 20   |  | 20                |  | 20   |  |
| 25                |  | 25   |  | 25                     |  | 25   |  | 25                             |  | 25   |  | 25                |  | 25   |  |
| 0030              |  | 0330 |  | 0630                   |  | 0930 |  | 1230                           |  | 1530 |  | 1830              |  | 2130 |  |
| 35                |  | 35   |  | 35                     |  | 35   |  | 35                             |  | 35   |  | 35                |  | 35   |  |
| 40                |  | 40   |  | 40                     |  | 40   |  | 40                             |  | 40   |  | 40                |  | 40   |  |
| 45                |  | 45   |  | 45                     |  | 45   |  | 45                             |  | 45   |  | 45                |  | 45   |  |
| 50                |  | 50   |  | 50                     |  | 50   |  | 50                             |  | 50   |  | 50                |  | 50   |  |
| 55                |  | 55   |  | 55                     |  | 55   |  | 55                             |  | 55   |  | 55                |  | 55   |  |
| 0100              |  | 0400 |  | 0700                   |  | 1000 |  | 1300                           |  | 1600 |  | 1900              |  | 2200 |  |
| 05                |  | 05   |  | 05                     |  | 05   |  | 05                             |  | 05   |  | 05                |  | 05   |  |
| 10                |  | 10   |  | 10                     |  | 10   |  | 10                             |  | 10   |  | 10                |  | 10   |  |
| 15                |  | 15   |  | 15                     |  | 15   |  | 15                             |  | 15   |  | 15                |  | 15   |  |
| 20                |  | 20   |  | 20                     |  | 20   |  | 20                             |  | 20   |  | 20                |  | 20   |  |
| 25                |  | 25   |  | 25                     |  | 25   |  | 25                             |  | 25   |  | 25                |  | 25   |  |
| 0130              |  | 0430 |  | 0730                   |  | 1030 |  | 1330                           |  | 1630 |  | 1930              |  | 2230 |  |
| 35                |  | 35   |  | 35                     |  | 35   |  | 35                             |  | 35   |  | 35                |  | 35   |  |
| 40                |  | 40   |  | 40                     |  | 40   |  | 40                             |  | 40   |  | 40                |  | 40   |  |
| 45                |  | 45   |  | 45                     |  | 45   |  | 45                             |  | 45   |  | 45                |  | 45   |  |
| 50                |  | 50   |  | 50                     |  | 50   |  | 50                             |  | 50   |  | 50                |  | 50   |  |
| 55                |  | 55   |  | 55                     |  | 55   |  | 55                             |  | 55   |  | 55                |  | 55   |  |
| 0200              |  | 0500 |  | 0800                   |  | 1100 |  | 1400                           |  | 1700 |  | 2000              |  | 2300 |  |
| 05                |  | 05   |  | 05                     |  | 05   |  | 05                             |  | 05   |  | 05                |  | 05   |  |
| 10                |  | 10   |  | 10                     |  | 10   |  | 10                             |  | 10   |  | 10                |  | 10   |  |
| 15                |  | 15   |  | 15                     |  | 15   |  | 15                             |  | 15   |  | 15                |  | 15   |  |
| 20                |  | 20   |  | 20                     |  | 20   |  | 20                             |  | 20   |  | 20                |  | 20   |  |
| 25                |  | 25   |  | 25                     |  | 25   |  | 25                             |  | 25   |  | 25                |  | 25   |  |
| 0230              |  | 0530 |  | 0830                   |  | 1130 |  | 1430                           |  | 1730 |  | 2030              |  | 2330 |  |
| 35                |  | 35   |  | 35                     |  | 35   |  | 35                             |  | 35   |  | 35                |  | 35   |  |
| 40                |  | 40   |  | 40                     |  | 40   |  | 40                             |  | 40   |  | 40                |  | 40   |  |
| 45                |  | 45   |  | 45                     |  | 45   |  | 45                             |  | 45   |  | 45                |  | 45   |  |
| 50                |  | 50   |  | 50                     |  | 50   |  | 50                             |  | 50   |  | 50                |  | 50   |  |
| 55                |  | 55   |  | 55                     |  | 55   |  | 55                             |  | 55   |  | 55                |  | 55   |  |

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FM 01-7