

## LORAN LOG

se I.D. 19 29-5 Year 1978

No. \_\_\_\_\_ TZ \_\_\_\_\_

OMEGA LOG

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| H    | DAY | TIME (Z) | LAT. DEGR. | LAT. MIN. | LONG. DEGR. | LONG. MIN. | FIX NO. | ST. #1  | ST. #2 | COMMENTS                         | WATCH I.D. |
|------|-----|----------|------------|-----------|-------------|------------|---------|---------|--------|----------------------------------|------------|
| VIII | 8   | 29-4     | 1200       | 3034      | -57         | 7953       | +2      | 12 9.77 | 79.55  | At dock Port of Cortes, Honduras |            |
| VIII | 8   | 29-5     | 1145       | 30.49     | -56         | 79.24      | +3      | 29.83   | 79.27  | IN Puerto Cortes Harbor          |            |
|      |     |          | 1718       | 30.80     | +1          | 79.25      | 0       | 30.81   | 79.25  |                                  |            |
|      |     |          | 1749       | 30.76     | +3          | 79.41      | 0       | 30.79   | 79.41  |                                  |            |
|      |     |          | 1800       | 30.72     | +3          | 79.44      | -1      | 30.75   | 79.43  |                                  |            |
|      |     |          |            | 30.31     | 0           | 79.84      | -4      |         |        |                                  |            |
|      |     |          | 2100       | 30.26     | +2          | 79.78      | -5      | 30.28   | 79.73  |                                  |            |
|      |     |          | 2200       | 30.47     | +5          | 79.46      | -5      | 30.54   | 79.41  |                                  |            |
|      |     |          | 2300       | 30.91     | +8          | 79.33      | -13     | 30.99   | 79.20  |                                  |            |
| VIII | 9   |          | 0000       | 31.14     | +9          | 79.26      | -22     | 31.23   | 79.04  |                                  |            |
|      |     |          | 0100       | 31.52     | +12         | 79.10      | -13     | 31.64   | 78.98  |                                  |            |
|      |     |          | 0200       | 31.87     | +6          | 78.98      | -5      | 31.93   | 78.93  |                                  |            |
|      |     |          | 0300       | 32.16     | -6          | 78.75      | -2      | 32.10   | 78.73  |                                  |            |
|      |     |          | 0400       | 32.71     | -19         | 78.68      | +1      | 32.52   | 78.69  |                                  |            |
|      |     |          | 0512       | 33.13     | -32         | 78.57      | 0       | 32.81   | 78.57  |                                  |            |
|      |     |          | 0700       | 33.32     | -38         | 79.85      | +1      | 32.94   | 79.86  |                                  |            |
|      |     |          | 0802       | 33.51     | -39         | 80.59      | +1      | 33.12   | 80.60  |                                  |            |
|      |     |          | 0600       | 32.19     | -34         | 79.10      | +1      | 32.83   | 79.11  |                                  |            |
|      |     |          | 0700       | 33.71     | -38         | 81.32      | +1      | 33.33   | 81.33  |                                  |            |
|      |     |          | 0800       | 33.81     | -39         | 81.87      | +1      | 33.42   | 81.88  |                                  |            |
|      |     |          | 0900       | 33.96     | -39         | 82.37      | -1      | 33.57   | 82.36  |                                  |            |

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OMEGA LOG

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| TH   | DAY | TIME (Z) | LAT. DEGR. | LAT. MIN. | LONG. DEGR. | LONG. MIN. | FIX NO. | ST. #1 | ST. #2 | COMMENTS | WATCH I.D. |
|------|-----|----------|------------|-----------|-------------|------------|---------|--------|--------|----------|------------|
| VIII | 9   | 1200     | -57        | 34.10     | +2          | 83.15      |         | 33.53  | 83.17  |          |            |
|      |     | 1300     | -35        | 33.97     | +1          | 83.85      |         | 33.62  | 83.86  |          |            |
|      |     | 1400     | -20        | 34.10     | +2          | 84.33      |         | 33.90  | 84.35  |          |            |
|      |     | 1500     | -7         | 34.23     | +3          | 84.67      |         | 34.16  | 84.70  |          |            |
|      |     | 1600     | +3         | 34.43     | +1          | 84.76      |         | 34.46  | 84.77  |          |            |
|      |     | 1700     | +1         | 34.82     | 0           | 84.95      |         | 34.83  | 84.95  |          |            |
|      |     | 1800     | +3         | 35.12     | -1          | 85.12      |         | 35.15  | 85.11  |          |            |
|      |     | 1900     | +1         | 35.43     | -2          | 85.18      |         | 35.44  | 85.16  |          |            |
|      |     | 2000     | 0          | 35.77     | -4          | 85.53      |         | 35.77  | 85.49  |          |            |
|      |     | 2100     | +2         | 35.53     | -5          | 86.15      |         | 35.55  | 86.10  |          |            |
|      |     | 2200     | +5         | 35.27     | -5          | 86.79      |         | 35.32  | 86.74  |          |            |
|      |     | 2300     | +8         | 35.08     | -13         | 87.55      |         | 35.16  | 87.42  |          |            |
| VIII | 10  | 0000     | +9         | 35.16     | -22         | 88.11      |         | 35.25  | 87.89  |          |            |
|      |     | 0100     | +12        | 35.68     | -13         | 87.93      |         | 35.80  | 87.80  |          |            |
|      |     | 0200     | +5         | 36.03     | -5          | 87.37      |         | 35.98  | 87.32  |          |            |
|      |     | 0300     | -6         | 36.50     | 0           | 87.11      |         | 36.44  | 87.11  |          |            |
|      |     | 0400     | -20        | 37.05     | 0           | 86.85      |         | 36.85  | 86.85  |          |            |
|      |     | 0500     | -32        | 37.54     | +1          | 86.53      |         | 37.22  | 86.54  |          |            |
|      |     | 0600     | -37        | 37.90     | +1          | 86.21      |         | 37.53  | 86.22  |          |            |
|      |     | 0700     | -39        | 38.25     | 0           | 85.79      |         | 37.86  | 85.79  |          |            |
|      |     | 0800     | -40        | 38.67     | 0           | 85.65      |         | 38.27  | 85.65  |          |            |

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TZ \_\_\_\_\_

## OMEGA LOG

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| TH  | DAY | TIME (Z) | LAT. DEGR. | LAT. MIN. | LONG. DEGR. | LONG. MIN. | FIX NO. | ST. #1 | ST. #2 | COMMENTS | WATCH I.D. |
|-----|-----|----------|------------|-----------|-------------|------------|---------|--------|--------|----------|------------|
| III | 10  | 0900     | -41        | 38.91     | 0           | 85.31      |         | 38.50  | 85.31  |          |            |
|     |     | 1000     | -41        | 39.19     | +5          | 84.84      |         | 38.78  | 84.89  |          |            |
|     |     | 1100     | -56        | 39.76     | +20         | 84.41      |         | 39.20  | 84.61  |          |            |
|     |     | 1200     | -55        | 40.05     | +6          | 84.26      |         | 39.50  | 84.32  |          |            |
|     |     | 1300     | -33        | 40.23     | +4          | 83.91      |         | 39.96  | 83.95  |          |            |
|     |     | 1400     | -21        | 40.25     | +5          | 84.50      |         | 40.04  | 84.55  |          |            |
|     |     | 1500     | -5         | 40.29     | +5          | 85.24      |         | 40.24  | 85.29  |          |            |
|     |     | 1600     | +11        | 40.18     | +11         | 85.99      |         | 40.22  | 86.03  |          |            |
|     |     | 1700     | +2         | 40.29     | +3          | 86.72      |         | 40.29  | 86.75  |          |            |
|     |     | 1800     | +11        | 40.45     | +3          | 87.51      |         | 40.49  | 87.54  |          |            |
|     |     | 1900     | +7         | 40.54     | +2          | 88.23      |         | 40.61  | 88.25  |          |            |
|     |     | 2000     | +8         | 40.71     | 0           | 89.10      |         | 40.79  | 89.10  |          |            |
|     |     | 2100     | +9         | 40.87     | -1          | 89.84      |         | 40.96  | 89.83  |          |            |
|     |     | 2200     | +10        | 41.03     | -2          | 90.58      |         | 41.13  | 90.56  |          |            |
|     |     | 2300     | +9         | 41.17     | -9          | 91.24      |         | 41.26  | 91.15  |          |            |
| III | 11  | 0000     | +10        | 41.43     | -18         | 92.08      |         | 41.53  | 91.90  |          |            |
|     |     | 0100     | +11        | 41.73     | -11         | 92.76      |         | 41.84  | 92.65  |          |            |
|     |     | 0200     | +5         | 41.88     | -5          | 93.23      |         | 41.93  | 93.18  |          |            |
|     |     | 0300     | -6         | 42.09     | 0           | 93.79      |         | 42.03  | 93.79  |          |            |
|     |     | 0400     | -20        | 42.31     | 0           | 94.43      |         | 42.11  | 94.43  |          |            |
|     |     | 0500     | -32        | 42.72     | +1          | 94.84      |         | 42.40  | 94.85  |          |            |

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OMEGA LOG

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| TH   | DAY | TIME<br>(Z) | LAT.<br>DEGR. | LAT.<br>MIN. | LONG.<br>DEGR. | LONG.<br>MIN. | FIX<br>NO. | ST. #1 | ST. #2 | COMMENTS | WATCH<br>I.D. |
|------|-----|-------------|---------------|--------------|----------------|---------------|------------|--------|--------|----------|---------------|
| VIII | 11  | 0600        | -37           | 43.00        | +1             | 94.50         |            | 42.63  | 94.51  |          |               |
|      |     | 0700        | -39           | 43.21        | 0              | 94.22         |            | 42.82  | 94.22  |          |               |
|      |     | 0800        | -40           | 43.71        | 0              | 94.07         |            | 43.31  | 94.07  |          |               |
|      |     | 0900        | -41           | 43.98        | 0              | 93.67         |            | 43.57  | 93.67  |          |               |
|      |     | 1000        | -41           | 44.22        | +5             | 93.32         |            | 43.81  | 93.37  |          |               |
|      |     | 1100        | -56           | 44.73        | +20            | 93.04         |            | 44.17  | 93.24  |          |               |
|      |     | 1200        | -55           | 45.14        | +6             | 92.82         |            | 44.59  | 92.88  |          |               |
|      |     | 1300        | -33           | 45.21        | +4             | 92.38         |            | 44.88  | 92.42  |          |               |
|      |     | 1400        | -21           | 45.37        | +5             | 91.97         |            | 45.16  | 92.02  |          |               |
|      |     | 1500        | -5            | 45.59        | +5             | 91.52         |            | 45.54  | 91.57  |          |               |
|      |     | 1600        | +4            | 45.56        | +4             | 91.03         |            | 45.60  | 91.07  |          |               |
|      |     | 1700        | +2            | 45.80        | +3             | 90.64         |            | 45.82  | 90.67  |          |               |
|      |     | 1800        | +4            | 45.94        | +3             | 90.18         |            | 45.98  | 90.21  |          |               |
|      |     | 1900        | +7            | 46.11        | +2             | 89.72         |            | 46.18  | 89.74  |          |               |
|      |     | 2000        | +8            | 46.42        | 0              | 89.34         |            | 46.50  | 89.34  |          |               |
|      |     | 2100        | +9            | 46.64        | -1             | 89.96         |            | 46.73  | 89.95  |          |               |
|      |     | 2200        | +10           | 46.79        | -2             | 90.76         |            | 46.89  | 90.74  |          |               |
|      |     | 2300        | +9            | 46.96        | -9             | 91.64         |            | 47.05  | 91.55  |          |               |
| III  | 12  | 0000        | +10           | 47.19        | -18            | 92.56         |            | 47.29  | 92.38  |          |               |
|      |     | 0100        | +11           | 47.20        | -11            | 92.56         |            | 47.37  | 92.45  |          |               |
|      |     | 0200        | +5            | 47.77        | -5             | 94.09         |            | 47.82  | 94.04  |          |               |

$$\begin{array}{r} 72 \\ + 24 \\ \hline 96 \end{array}$$

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