

19800805 FL-~~FDIR~~ **FDIR**

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|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------|------------------|
| RFC-1 WORK FORM<br>(7-76) U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>RESEARCH FACILITIES CENTER<br>MIAMI, FLORIDA |               | AIRCRAFT<br><b>N6541C</b>                 |                  |
|                                                                                                                                                          |               | FLIGHT NO.<br><b>25-80</b>                |                  |
|                                                                                                                                                          |               | FLIGHT ID<br><b>800805F</b>               |                  |
|                                                                                                                                                          |               | DATE<br><b>AUG 05 1980</b>                |                  |
| <b>FLIGHT LOG</b>                                                                                                                                        |               |                                           |                  |
| TAKE OFF (City or airport)<br><b>SAN JUAN</b>                                                                                                            |               | LAND (City or airport)<br><b>SAN JUAN</b> |                  |
|                                                                                                                                                          |               | ALTITUDE<br><b>10K</b>                    |                  |
| PURPOSE<br><b>HURRICANE ALLEN</b>                                                                                                                        |               |                                           |                  |
| PROPOSED TAKEOFF TIME: <b>1000Z</b>                                                                                                                      |               | PROPOSED FLIGHT DURATION: <b>8 HR</b>     |                  |
| TIME IN: <b>1715Z</b>                                                                                                                                    |               | TIME ON: <b>1742Z</b>                     |                  |
| TIME OUT: <b>1012Z</b>                                                                                                                                   |               | TIME OFF: <b>1019Z</b>                    |                  |
| BLK. TIME: <b>7:40</b>                                                                                                                                   |               | FLIGHT TIME: <b>7:23</b>                  |                  |
| <b>FLIGHT PERSONNEL</b>                                                                                                                                  |               |                                           |                  |
| OPERATIONS CREW                                                                                                                                          |               | SCIENTIFIC CREW                           |                  |
| VISITORS                                                                                                                                                 |               |                                           |                  |
| <b>GUNNOE</b>                                                                                                                                            | <b>NELSON</b> | <b>DARBY</b>                              | <b>WILLUGHBY</b> |
| <b>TICKNOR</b>                                                                                                                                           |               | <b>SCHRICKE</b>                           | <b>OLIVER</b>    |
| <b>FLEURY</b>                                                                                                                                            |               | <b>CALVERT</b>                            | <b>LEARN</b>     |
| <b>MOORE</b>                                                                                                                                             |               |                                           | <b>RISLEY</b>    |
|                                                                                                                                                          |               |                                           | <b>JONES</b>     |
|                                                                                                                                                          |               |                                           | <b>RELMOR</b>    |
|                                                                                                                                                          |               |                                           | <b>COUCH</b>     |
| PROPOSED MISSION                                                                                                                                         |               |                                           |                  |
| ACTUAL MISSION AND REMARKS                                                                                                                               |               |                                           |                  |
| DATA COLLECTED AND REMARKS<br><b>EYE PCH. 8</b><br><b>2 TAPES</b><br><b>FILM RS-LS-1105E 2 RADAR TAPES</b>                                               |               |                                           |                  |

1810

| A/C COMMANDER                                                                                                                        |                         | NAVIGATOR | A/C NO.                 | MISSION NO.            | TIME AIRBORNE           | LOCATION                        | DATE              | PROJ. NAME |                 |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|-------------------------|------------------------|-------------------------|---------------------------------|-------------------|------------|-----------------|------|-----|
| TICHAUER<br>Gunn                                                                                                                     |                         | Nelson    | 410                     | 800805                 | 1019                    | MJSJ<br>N 18 26.4<br>W 066 01.6 | 05<br>Aug<br>80   | Allen      |                 |      |     |
| TIME OF ENTRY                                                                                                                        | POSITION                | TYPE      | INERTIAL POSITION       | LAT LON COR'S          | POSITION                | LAT LON COR'S                   | REMARKS           |            |                 |      |     |
| 1009                                                                                                                                 | N 18 26.4<br>W 066 01.6 | 4         | N 18 26.4<br>W 066 01.6 |                        | N 18 26.7<br>W 066 01.1 |                                 | B1K               |            |                 |      |     |
| 1019                                                                                                                                 | N 18 26.4<br>W 066 00.8 | 4         | N 18 26.4<br>W 066 00.8 |                        | N 18 26.6<br>W 066 01.3 |                                 | T/O               |            |                 |      |     |
| 1046                                                                                                                                 | N 17 28.0<br>W 067 10.4 | 9/10      | N 17 28.0<br>W 067 10.4 |                        | N 17 28.6<br>W 067 11.2 |                                 |                   |            |                 |      |     |
| 1145 1/2                                                                                                                             |                         | 9/10      | N 15 54.2<br>W 070 21.2 |                        | N 15 53.9<br>W 070 21.8 |                                 | PASS #1 Allen     |            |                 |      |     |
| 1246.4                                                                                                                               |                         | 9/10      | N 15 58.9<br>W 070 40.1 |                        | N 15 59.7<br>W 070 40.7 |                                 | PASS #2 Allen     |            |                 |      |     |
| 1345.38                                                                                                                              |                         | 9/10      | N 16 04.2<br>W 071 01.2 |                        | N 16 06.7<br>W 071 01.9 |                                 | PASS #3 Allen     |            |                 |      |     |
| 1416.23                                                                                                                              |                         | 9/10      | N 16 08.2<br>W 071 06.9 |                        | N 16 09.5<br>W 071 07.8 |                                 | PASS #4 Allen     |            |                 |      |     |
| 1449.43                                                                                                                              |                         | 9/10      | N 16 13.8<br>W 071 21.6 |                        | N 16 15.5<br>W 071 22.8 |                                 | PASS #5 Allen     |            |                 |      |     |
| 1516.13                                                                                                                              |                         | 9/10      | N 16 08.8<br>W 071 26.0 |                        | N 16 11.4<br>W 071 26.5 |                                 | PASS #6           |            |                 |      |     |
| 1546.00                                                                                                                              |                         | 9/10      | N 16 22.3<br>W 071 31.9 |                        | N 16 23.2<br>W 071 33.7 |                                 | PASS #7           |            |                 |      |     |
| 1610.24                                                                                                                              |                         | 9/10      | N 16 20.1<br>W 071 43.7 |                        | N 16 21.3<br>W 071 45.6 |                                 | PASS #8           |            |                 |      |     |
| 1742                                                                                                                                 |                         | 4         | N 18 26.4<br>W 065 58.5 |                        | N 18 27.8<br>W 066 00.5 |                                 | LDg MJSJ          |            |                 |      |     |
| SYS                                                                                                                                  | BEGIN ALIGN TIME        | NCS CONN  | Ω AID                   | TIME OUT OF COARSE     | ALIGN STS 0-5           | (1) TIME INTO NAV.              | (2) TIME OUT NAV. | ΔT (2)(1)  | TERMINAL ERRORS |      |     |
|                                                                                                                                      |                         |           |                         | ELAPSE ALIGN POST TIME |                         |                                 |                   |            | LAT             | LONG | G S |
| INS 1                                                                                                                                | 0905                    | N         | N                       | /                      | 4                       | 1000                            | 1750              | 7.8        | -0.2            | +1.6 | 1.0 |
| INS 2 or IMU                                                                                                                         | 0905                    | -         | V                       | /                      | -                       | 1000                            | 1750              | 7.8        | -0.1            | -0.1 | 5.8 |
| ALIGN REMARKS :                                                                                                                      |                         |           |                         |                        |                         |                                 |                   |            |                 |      |     |
| OTHER REMARKS :                                                                                                                      |                         |           |                         |                        |                         |                                 |                   |            |                 |      |     |
| TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL (10) OMEGA - INERTIAL |                         |           |                         |                        |                         |                                 |                   |            |                 |      |     |

[illegible]

0602 ALLEN

| TZME   | LAT     | LONG   | T                     | DP   | WD      | WS  | RA      | PA    |  | SP        |               |  |  |  |
|--------|---------|--------|-----------------------|------|---------|-----|---------|-------|--|-----------|---------------|--|--|--|
| 1045   | 17°30.1 | 6710.8 | 1.0                   | -2.0 | 127     | 55  | 14841   | 14106 |  |           |               |  |  |  |
| 1050   | START   |        | 168°                  |      |         |     |         |       |  |           |               |  |  |  |
|        | 1713.1  | 6714.1 | -0.6                  | -1.5 | 131     | 64  | 14820   | 14081 |  |           |               |  |  |  |
| 105300 | 1706.3  | 6724.3 | 1.2                   | 1.2  | 132     | 71  | 14693   | 14012 |  |           |               |  |  |  |
| 105800 | 1704.9  | 6745.3 | -0.9                  | -0.9 | 133     | 74  | 14712   | 14088 |  |           |               |  |  |  |
| 111500 | 1647.7  | 6844.7 | 7.5                   | 7.5  | 136     | 83  | 10210   | 9930  |  |           |               |  |  |  |
| 113000 | 16346   | 6952.7 | 9.8                   | 9.3  | 125     | 103 | 9910    | 10013 |  |           |               |  |  |  |
| 114000 | 1614.2  | 7019.9 | 12.5                  | 12.2 | 095     | 78  |         |       |  |           |               |  |  |  |
| 114532 | 1553.7  | 7021.9 | 16.6                  | 16.6 | 240     | 18  |         |       |  | 935MB eye | 1554 N 7022 W |  |  |  |
| 120000 | 1510.6  | 7034.2 | 9.5                   | 9.5  | 265     | 52  | 9987    | 9988  |  | 991       |               |  |  |  |
| 121000 | 1510.7  | 7045.6 | 9.8                   | 9.7  | 280     | 47  | 10104   | 10112 |  | 991       |               |  |  |  |
| 122000 | 1536.3  | 7101.1 | 12.4                  | 9.2  | 333     | 64  | 9726    | 10034 |  | 981       |               |  |  |  |
| 123000 | 1352.4  | 7121.5 | 10.4                  | 10.4 | 011     | 69  | 9967    | 10055 |  | 988       |               |  |  |  |
| 124000 | 1554.1  | 7105.3 | 11.5                  | 11.5 | 356     | 92  | 9978    | 9985  |  | 968       |               |  |  |  |
| 124600 | 1559.8  | 7040.3 | 16.8                  |      | 160     | 06  | 8236    |       |  | 935MB eye |               |  |  |  |
| 130000 | 15475   | 7003.1 | 9.9                   | 9.4  | 181     | 90  | 9914    | 9920  |  | 990       |               |  |  |  |
| 130700 | 1539.1  | 6942.5 | 9.5                   | 9.3  | 184     | 71  | 80072   | 9922  |  | 998       | POINT S       |  |  |  |
| 132000 | 1528.9  | 7019.6 | 9.7                   | 9.7  | 200     | 70  | 9955    | 9989  |  | 991       |               |  |  |  |
| 133000 | 1515.8  | 7043.8 | 9.5                   | 9.5  | 240     | 56  | 9957    | 9950  |  | 992       |               |  |  |  |
| 1345   | 16065   | 7101.8 | 16.4                  | —    | 066     | 318 | 8499    | —     |  | 936MB eye |               |  |  |  |
| 1400   | 1647.2  | 7123.2 | 9.3                   | 9.3  | 081     | 104 | 10019   | 10041 |  | 990       |               |  |  |  |
| 1416   | 1609.7  | 7108.2 | 17.1                  |      | 260     | 12  | 8658    |       |  | 936MB eye |               |  |  |  |
| 1450   | 1615.3  | 7122.6 | 17.0                  |      | 095     | 03  | 8518    |       |  | 936MB eye |               |  |  |  |
| 1505   | 1650.1  | 7146.3 | 9.7                   | 9.7  | 075     | 106 | 9832    | 10021 |  | 985       |               |  |  |  |
| 1516   | 1611.5  | 7126.6 | 18.4                  |      | 219     | 09  |         | 9981  |  | 935MB eye |               |  |  |  |
| 1533   | 1546.2  | 7123.1 | 10.8                  | 10.8 | 231     | 77  | 9732    | 9729  |  | 981       |               |  |  |  |
| 1545   | 1622.1  | 7133.3 | 16.6                  |      | 157     | 26  | 8552    |       |  | 937       | eye           |  |  |  |
|        |         |        |                       |      |         |     | AUG MAX |       |  |           |               |  |  |  |
|        |         |        | MAX G <sup>WIND</sup> |      | 155 KTS |     | 135 KTS | NW    |  | 94AD.     |               |  |  |  |
| 1557   | 1656.4  | 7203.6 | 10.0                  | 10.0 | 071     | 99  | 9835    | 9955  |  | 988       |               |  |  |  |
| 1610   | 1621.4  | 7145.7 | 17.8                  |      | 217     | 16  | 9626    | 10014 |  | 936       | eye           |  |  |  |