

19770920H1-FDIR

1

|                                                                                                                                                          |                               |                                 |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|---------|
| 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>N42RF               |         |
| FLIGHT LOG                                                                                                                                               |                               | FLIGHT NO.<br>34-77             |         |
|                                                                                                                                                          |                               | FLIGHT ID<br>770920H            |         |
|                                                                                                                                                          |                               | DATE<br>SEP. 20, 77             |         |
| TAKE OFF (City or airport)<br>MIA                                                                                                                        | LAND (City or airport)<br>SJW | ALTITUDE<br>19,10, 1.5K         |         |
| PURPOSE NHEML-HG-RESEARCH ELY WV                                                                                                                         |                               |                                 |         |
| PROPOSED TAKEOFF TIME: 1645Z                                                                                                                             |                               | PROPOSED FLIGHT DURATION: 8 HRS |         |
| TIME IN: 0400Z                                                                                                                                           |                               | TIME ON: 03:00Z                 |         |
| TIME OUT: 1645Z                                                                                                                                          |                               | TIME OFF: 1655Z                 |         |
| BLK. TIME: 7:15 HRS                                                                                                                                      |                               | FLIGHT TIME: 6:55 HRS           |         |
| FLIGHT PERSONNEL                                                                                                                                         |                               |                                 |         |
| OPERATIONS CREW                                                                                                                                          |                               | SCIENTIFIC CREW                 |         |
| VISITORS                                                                                                                                                 |                               |                                 |         |
| TURNER                                                                                                                                                   | CORRELL                       | DAVIS                           | FENNELL |
| NOBLE                                                                                                                                                    | ROSE                          | BROWN                           |         |
| GENZLINGER                                                                                                                                               | FREEDMAN                      | CONNOR                          |         |
| BERGNER                                                                                                                                                  |                               | KEMPTON                         |         |
|                                                                                                                                                          |                               | THOMAS                          |         |
|                                                                                                                                                          |                               | SHEETS                          |         |
|                                                                                                                                                          |                               | HOELZEL                         |         |
|                                                                                                                                                          |                               | JORGENSEN                       |         |
|                                                                                                                                                          |                               | ELDER                           |         |
|                                                                                                                                                          |                               | SPANN                           |         |
| PROPOSED MISSION                                                                                                                                         |                               |                                 |         |
|                                                                                                                                                          |                               |                                 |         |
| ACTUAL MISSION AND REMARKS                                                                                                                               |                               |                                 |         |
| FIRST 1.5K LEG EXTEND IN ATTEMPT TO GET<br>WIND SHIFT - NO SUCCESS<br>OTHER 1.5K LEG NOT DONE                                                            |                               |                                 |         |
| DATA COLLECTED AND REMARKS                                                                                                                               |                               |                                 |         |
| 1 STANDARD DIG TAPE                                                                                                                                      |                               |                                 |         |

23493.5

[illegible]

| TOTAL REELS |   |
|-------------|---|
| VTR         | 3 |
| DMTR 1      | 3 |
| DMTR 2      | 2 |

[illegible][illegible]

CAF MIA 4 Dept  
Sgt: 3763 Dept. Cont: 121.8

| A/C COMMANDER |                        | NAVIGATOR |             | A/C NO.                          | MISSION NO.     | TIME AIRBORNE                 |                 | LOCATION                                | DATE          | PROJ. NAME   |
|---------------|------------------------|-----------|-------------|----------------------------------|-----------------|-------------------------------|-----------------|-----------------------------------------|---------------|--------------|
| Turner        |                        | Bergner   |             | N42RF                            | 770920          | 16 55:23                      |                 | KM119<br>N 25-48.3<br>W 80-17.6         | 20 Sept<br>77 | SJU<br>Recon |
| TIME OF ENTRY | POSITION               | TYPE      | CONF. FACT. | INERTIAL POSITION #1<br>un-aided | LAT. LON. COR'N | INE #2 / $\Omega$<br>POSITION | LAT. LON. COR'N | REMARKS                                 |               |              |
| 1639<br>1644  | N 25-48.3<br>W 80-17.6 |           |             | N 25-48.3<br>W 80-17.6           | 0.0<br>0.0      | N 25-48.7<br>W 80-17.5        | -0.4<br>+0.1    | Eng<br>Taxi                             |               |              |
| 1655          |                        |           |             |                                  |                 | N 25-48.4<br>W 80-17.9        |                 | TOFF                                    |               |              |
| 1709          | N 25-42.0<br>W 79-16.0 |           |             |                                  |                 | N 25-42.9<br>W 79-17.5        | -0.9<br>-1.5    | Approx: 0/H ZBV                         |               |              |
| 1716          | N 25-23.3<br>W 78-45.0 |           |             |                                  |                 | N 25-23.3<br>W 78-45.0        | 0.0<br>0.0      | 3L5 2408<br>3L1 1122                    |               |              |
| 1748          |                        |           |             |                                  |                 | N 24-40.4<br>W 77-25.4        |                 | Formation w/4143<br>FL190 Compar. Run   |               |              |
| 1800          |                        |           |             |                                  |                 | N 24-13.7<br>W 76-30.1        |                 | Terminate Formation<br>17,000           |               |              |
| 1814          | N 23-39.0<br>W 75-25.0 |           |             |                                  |                 | N 23-39.3<br>W 75-24.2        | -0.3<br>+0.8    | 3L5 4826<br>3L1 1457                    |               |              |
| 1856          | N 23-00.0<br>W 71-41.0 |           |             |                                  |                 | N 23-00.2<br>W 71-41.5        | -0.2<br>-0.5    | 3L3 1872<br>3L2 1173                    |               |              |
| 1956          | N 23-00.0<br>W 66-12.0 |           |             |                                  |                 | N 23-00.0<br>W 66-11.9        | 0.0<br>+0.1     | 3L3 1432<br>3L2 3549                    |               |              |
| 2020          |                        |           |             |                                  |                 | N 23-00.0<br>W 64-00.0        |                 | Begin Pattern<br>Loran Recep. All Noise |               |              |
| 2309          |                        |           |             |                                  |                 | N 20-00.0<br>W 64-00.0        |                 | Terminate ops.<br>10,000'               |               |              |
| 2350          |                        |           |             |                                  |                 | N 19-26.4<br>W 65-58.5        |                 | LAND SJU                                |               |              |
| 2403          | N 19-26.5<br>W 66-00.5 |           |             | N 18-14.5<br>W 66-06.2           | +12.0<br>-5.7   | N 18-26.3<br>W 66-58.4        | +0.2<br>+2.1    | chocks<br>#1 #2<br>GS 3 4               |               |              |

TYPE OF FIX: (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR  
(7) DOPPLER (8) OMEGA (9) INERTIAL (10) OMEGA-INERTIAL  
CONFIDENCE FACTOR (Nautical Miles): (1-5, 1) (6-10, 2) (11-15, 3) (16-UP, 4)

1 KM119 4 Greyson  
2 ZBV 5 SJU FIR  
3 King 6-1 Pattern / 1 SJU