

19840911HL-FDIR

02016  
09Z  
32° 08' N  
78° 31' W  
100 kt 967 mb

|                                                                                                                                                                                                              |      |                                                                                                                              |                             |                      |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|-----------|
| RFF-10 WORK FORM<br>(8-72)                                                                                                                                                                                   |      | U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>RESEARCH FLIGHT FACILITY<br>MIAMI, FLORIDA |                             | AIRCRAFT<br>N42RF    |           |
|                                                                                                                                                                                                              |      |                                                                                                                              |                             | FLIGHT NO.<br>61-84  |           |
|                                                                                                                                                                                                              |      |                                                                                                                              |                             | FLIGHT ID<br>840911H |           |
|                                                                                                                                                                                                              |      |                                                                                                                              |                             | DATE<br>11 Sept 1984 |           |
| FLIGHT LOG                                                                                                                                                                                                   |      |                                                                                                                              |                             | ALTITUDE<br>5K       |           |
| TAKE OFF (City or airport)<br>KMIA                                                                                                                                                                           |      | LAND (City or airport)<br>KMIA                                                                                               |                             |                      |           |
| PURPOSE<br>Hurricane Diana RECCO                                                                                                                                                                             |      |                                                                                                                              |                             |                      |           |
| PROPOSED TAKEOFF TIME: 10Z                                                                                                                                                                                   |      |                                                                                                                              | PROPOSED FLIGHT DURATION: 9 |                      |           |
| TIME IN: 2000                                                                                                                                                                                                |      |                                                                                                                              | TIME ON: 1955               |                      |           |
| TIME OUT: 0956                                                                                                                                                                                               |      |                                                                                                                              | TIME OFF: 1017              |                      |           |
| BLK. TIME: 10:04                                                                                                                                                                                             |      |                                                                                                                              | FLIGHT TIME: 9:38           |                      |           |
| FLIGHT PERSONNEL                                                                                                                                                                                             |      |                                                                                                                              |                             |                      |           |
| OPERATIONS CREW                                                                                                                                                                                              |      | WEATHER CREW                                                                                                                 |                             | VISITORS             |           |
| Gunnor                                                                                                                                                                                                       | Nunn | Parrish                                                                                                                      | Ziegler                     | Willis               | Pendagrad |
| Noble                                                                                                                                                                                                        |      | Berles                                                                                                                       |                             | Kohler               | Bazell    |
| Nelson                                                                                                                                                                                                       |      | Jarvi                                                                                                                        |                             | Wiggort              | Bernstein |
| Correll                                                                                                                                                                                                      |      | Thompson                                                                                                                     |                             | Blustein             | Stewart   |
| PROPOSED MISSION<br>Fly to vicinity 32°N, 79°W. Get 12, 15, 18Z Fixes.<br>Fly rotating figure 4.                                                                                                             |      |                                                                                                                              |                             |                      |           |
| ACTUAL MISSION AND REMARKS<br>1155Z FIX 32° 32' N, 78° 26' W - 112 KT - 960 MB<br>1456Z FIX 32° 46' N, 78° 16' W - 121 KT - 955 MB<br>1800Z FIX 33° 17' N, 78° 00' W - 128 KT - 952 MB<br><br>8 penetrations |      |                                                                                                                              |                             |                      |           |
| DATA COLLECTED AND REMARKS<br>1 stop<br>11 Radar<br>22 C.P.                                                                                                                                                  |      |                                                                                                                              |                             |                      |           |

Twor  
1014  
us  
1013.6

ORC  
guys

Land

us  
1015  
Twor  
1015

P5  
1014.7

| A/C COMMANDER                                                                                                                       |                         | NAVIGATOR |                         | A/C NO.                                   |               | MISSION NO.             |                   | TIME AIRBORNE                                 |                 | LOCATION             |    | DATE           |  | PROJ. NAME    |  |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|-------------------------|-------------------------------------------|---------------|-------------------------|-------------------|-----------------------------------------------|-----------------|----------------------|----|----------------|--|---------------|--|
| Gunnoe.                                                                                                                             |                         | Nels      |                         | N00A.<br>42                               |               | 840911                  |                   | 1017                                          |                 | N25 48.<br>W080 17.6 |    | 11 Sept<br>84. |  | Hov<br>DIANA. |  |
| TIME OF ENTRY                                                                                                                       | POSITION                | TYPE      | INERTIAL POSITION       |                                           | LAT LON COR'S | POSITION                | LAT LON COR'S     | REMARKS                                       |                 |                      |    |                |  |               |  |
| 0956                                                                                                                                | N25 48.2<br>W080 17.6   | 4         | N 48.1<br>W 16.3        |                                           |               | N 48.1<br>W 16.3        |                   | B1K.                                          |                 |                      |    |                |  |               |  |
| 1016                                                                                                                                | N25 48.1<br>W080 16.3   | 4         | N 25 47.8<br>W 16.3     |                                           |               | N 47.5<br>W 16.3        |                   | TAKE OFF 07K                                  |                 |                      |    |                |  |               |  |
| 1058                                                                                                                                |                         | 10        | N 28 36.2<br>W 079 17.1 |                                           |               | N 28 37.1<br>W 079 17.8 |                   | QE 041                                        |                 |                      |    |                |  |               |  |
|                                                                                                                                     |                         |           | VAS CALIBRATION         |                                           |               | START 010               | 07                | TAS RT 11 20 08<br>LT 11 23 08<br>RT 11 28 10 |                 |                      |    |                |  |               |  |
| 115456                                                                                                                              |                         | 10        | N 32 32.0<br>W 078 27.4 |                                           |               | N 32 32.2<br>W 078 28.1 |                   | PASS #1<br>112/960<br>QE 045                  |                 |                      |    |                |  |               |  |
| 121448                                                                                                                              | N 33 34.8<br>W 078 36.3 | 2<br>10   | N 33 39.3<br>W 078 35.8 |                                           | -4            | N 33 40.1<br>W 078 36.7 | -5                | GRAN STRAND<br>155/15.2<br>QE 047             |                 |                      |    |                |  |               |  |
| 123255                                                                                                                              | N 32 33.9<br>W 079 38.8 | 2<br>10   | N 32 37.3<br>W 079 39.1 |                                           | -3            | N 32 37.8<br>W 079 40.0 | -4                | CHARLES<br>135/28.5<br>QE 047                 |                 |                      |    |                |  |               |  |
| 125012                                                                                                                              |                         | 10        | N 32 36.2<br>W 078 25.9 |                                           | -3            | N 32 36.6<br>W 078 26.9 |                   | PASS #2. 115/959<br>QE 049                    |                 |                      |    |                |  |               |  |
| 1344:                                                                                                                               |                         | 10        | N 32 42.8<br>W 078 24.6 |                                           | -4.5<br>-1    | N 32 43.6<br>W 078 26.5 |                   | -3 INE 1.5 mile<br>POS 11.<br>QE 041          |                 |                      |    |                |  |               |  |
| 142044                                                                                                                              |                         | 10        | N 31 43.6<br>W 078 42.6 |                                           |               | N 31 45.3<br>W 078 44.8 |                   | -3 INE 1<br>QE 041                            |                 |                      |    |                |  |               |  |
| 145545                                                                                                                              |                         | 10        | N 32 48.6<br>W 078 15.5 |                                           | -3            | N 32 50.7<br>W 078 17.3 |                   | -3 INE 1 Omlen.<br>QE 043                     |                 |                      |    |                |  |               |  |
| 15.0917                                                                                                                             | N 33 27.0<br>W 078 48.2 | 2<br>10   | N 33 31.3<br>W 078 46.6 |                                           | -4            | N 33 33.3<br>W 078 49.5 |                   | MYRTLE BEACH TAC.<br>154/                     |                 |                      |    |                |  |               |  |
| SYS                                                                                                                                 | BEGIN ALIGN TIME        | NCS CONN  | Ω AID                   | TIME OUT OF COARSE ELAPSE ALIGN POST TIME | ALIGN STS 0-5 | (1) TIME INTO NAV.      | (2) TIME OUT NAV. | Δ T (2)(1)                                    | TERMINAL ERRORS |                      |    |                |  |               |  |
|                                                                                                                                     |                         |           |                         |                                           |               |                         |                   |                                               | LAT             | LONG                 | GS |                |  |               |  |
| INS 1                                                                                                                               | ~0810                   | Y         | Y                       |                                           | 0             | 09.33                   | 2001              | 10.5                                          | -0.7            | +3.9                 | 2  |                |  |               |  |
| INS 2 or IMU                                                                                                                        | ~0810                   | Y         | Y                       |                                           | 0             | 09.33                   | 2001              | 10.5                                          | +0.5            | -4.8                 | 4  |                |  |               |  |
| 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 |                         |           |                         |                                           |               |                         |                   |                                               |                 |                      |    |                |  |               |  |

