

19730921A1-FDIP

|                                                                                                                                                                                       |         |                                                                                                                              |                                    |                                   |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------|---------|
| RFF - 1 WORK FORM<br>(8 - 72)                                                                                                                                                         |         | U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>RESEARCH FLIGHT FACILITY<br>MIAMI, FLORIDA |                                    | FLIGHT ID<br>730921A              |         |
|                                                                                                                                                                                       |         |                                                                                                                              |                                    | AIRCRAFT<br>N6539C                |         |
|                                                                                                                                                                                       |         |                                                                                                                              |                                    | FLIGHT NO.<br>22-74               |         |
|                                                                                                                                                                                       |         |                                                                                                                              |                                    | DATE<br>SEP 21, 73                |         |
| FLIGHT SUMMARY                                                                                                                                                                        |         |                                                                                                                              |                                    |                                   |         |
| TAKE OFF (CITY OR AIRPORT)<br>BDA                                                                                                                                                     |         | LAND (CITY OR AIRPORT)<br>BDA                                                                                                |                                    | ALTITUDE(S)<br>500', 1500', 6000' |         |
| PURPOSE<br>NAVAL RESEARCH - HURRICANE ELLEN                                                                                                                                           |         |                                                                                                                              |                                    |                                   |         |
| PROPOSED TAKEOFF TIME:<br>1330Z                                                                                                                                                       |         |                                                                                                                              | PROPOSED FLIGHT DURATION:<br>9 HRS |                                   |         |
| TIME OUT:<br>1330Z                                                                                                                                                                    |         | TIME IN:<br>2300Z                                                                                                            |                                    | BLOCK TIME:<br>9:30 HRS           |         |
| TIME OFF:<br>1340Z                                                                                                                                                                    |         | TIME ON:<br>2254Z                                                                                                            |                                    | FLIGHT TIME:<br>9:14 HRS          |         |
| PROPOSED PATTERN<br>                                                                                                                                                                  |         |                                                                                                                              |                                    |                                   |         |
| ACTUAL PATTERN<br>AS PLANNED - 20 NM SE CENTER 5 MIN<br>DOWN AND UP WIND FOR RADAR<br>OBSERVATIONS<br>MIN SLP 962 MB<br>MAX WIND 80 KTS - SW, 100 KTS - NE, 60 KTS - NW, 100 KTS - SE |         |                                                                                                                              |                                    |                                   |         |
| FLIGHT PERSONNEL                                                                                                                                                                      |         |                                                                                                                              |                                    |                                   |         |
| OPERATIONS CREW                                                                                                                                                                       |         | SCIENTIFIC CREW                                                                                                              |                                    | VISITORS                          |         |
| TICKNER                                                                                                                                                                               | HATCH   | DAVIS                                                                                                                        | MORIMON                            |                                   | PEARCE  |
| EVERTS                                                                                                                                                                                | ROSE    | DARBY                                                                                                                        | FREEDMAN                           |                                   | LEWIS   |
| SANDOLIST                                                                                                                                                                             | CORNELL | FENWELL                                                                                                                      |                                    |                                   | DAMMANN |
| SALADIN                                                                                                                                                                               |         | CALVERT                                                                                                                      |                                    |                                   | SENN    |
| REMARKS:<br>416 POSITS USED FOR CENTER FIXED TRANSMISSIONS                                                                                                                            |         |                                                                                                                              |                                    |                                   |         |

|                                                                                                                              |  |  |  |  |  |                                                                                   |  |
|------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-----------------------------------------------------------------------------------|--|
| RFF - 2 WORK FORM<br>(8 - 72)                                                                                                |  |  |  |  |  | FLIGHT ID<br><br><div style="text-align: center; font-size: 1.2em;">730921A</div> |  |
| U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>RESEARCH FLIGHT FACILITY<br>MIAMI, FLORIDA |  |  |  |  |  | DATE<br><br><div style="text-align: center; font-size: 1.2em;">SEP 21, 73</div>   |  |
| <b>FLIGHT DIRECTOR'S INFLIGHT DATA LOG</b>                                                                                   |  |  |  |  |  |                                                                                   |  |

  

|             |           |           |                      |                    |       |                     |      |
|-------------|-----------|-----------|----------------------|--------------------|-------|---------------------|------|
| T.A.S. SET. | G.S. SET. | D.A. SET. | I.R.H. DRY PT. (T/O) | I.R.H. TEMP. (T/O) | TIME  | I.R.H. TEMP. (LAND) | TIME |
|             |           |           | —                    | 32.0°C             | 1325Z |                     |      |

  

|          |         |          |             |           |        |
|----------|---------|----------|-------------|-----------|--------|
|          | TIME    | PRESSURE | TEMPERATURE | DEW POINT | WIND   |
| A/C T/O  | 133930Z | 1020.8   | 26.0°C      | 23.0°C    | —      |
| WX STN.  | 1320Z   | 1019.7   | 26.0°C      | 22.0°C    | 180/04 |
| A/C LAND | 225415Z | 1018.6   | 24.7°C      | 23.0°C    | —      |
| WX STN.  | 2235Z   | 1020.1   | 24.0°C      | 23.0°C    | 190/04 |

  

| HOURLY INFLIGHT DIGITAL DATA STATUS |      |      |      |   |   |   |   |   |   |    |    |    |  |
|-------------------------------------|------|------|------|---|---|---|---|---|---|----|----|----|--|
| ITEM \ HOUR                         | 1330 | 1430 | 1530 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |
| TIME (CHECK)                        | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| AMBIENT PRESSURE                    | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| RADAR ALTITUDE                      | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| TRUE AIR SPEED                      | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| MAG. HEADING                        | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| D.T.C.                              | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| DRIFT ANGLE                         | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| WIND                                | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| TEMPERATURE (VORTEX)                | 0    |      |      |   |   |   |   |   |   |    |    |    |  |
| LONGITUDE                           | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| LATITUDE                            | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| I.R.H.                              | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| DIFFERENTIAL PRESSURE               | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| J.W. LIQUID WATER                   | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| VARIATION                           | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| TEMPERATURE (RSMNT.)                | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| C.S.I. DEWPOINT                     | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
| I.R. SFC. TEMP.                     | ✓    | ✓    | ✓    |   |   |   |   |   |   |    |    |    |  |
|                                     |      |      |      |   |   |   |   |   |   |    |    |    |  |
|                                     |      |      |      |   |   |   |   |   |   |    |    |    |  |

  

✓ - System O.K.   X - System Output. In Error   C - Corrective Measures Initiative   O - System Inoperative   NA - Not Applicable

  

REMARKS  
  
 1330Z BDA 25000 ft 10500 ft  
 1400Z BDA 25000 ft 10500 ft

out of Bermuda  
for

*Amicon Ellen*

3A

RFF - 3A WORK FORM  
(8 - 72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
RESEARCH FLIGHT FACILITY  
MIAMI, FLORIDA

FLIGHT ID

73 09 21 A

DATE

09 21 73

ELECTRONIC SYSTEMS STATUS

PRE - FLIGHT STATUS:

*ops Normal.*

INFLIGHT OUTAGES:

TIME NOTED

SYSTEM

CORRECTIVE ACTION

*Digital System  
Gate Clock Trip  
Repair*

POST FLIGHT SUMMARY:

*None*

APS - 20 RADAR INFLIGHT CHANGES

|                 |      |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|------|--|--|--|--|--|--|--|--|--|--|--|
| STC             | DIAL |  |  |  |  |  |  |  |  |  |  |  |
|                 | TIME |  |  |  |  |  |  |  |  |  |  |  |
| 150 ECHO        | DIAL |  |  |  |  |  |  |  |  |  |  |  |
|                 | TIME |  |  |  |  |  |  |  |  |  |  |  |
| ANTENNA<br>TILT | DIAL |  |  |  |  |  |  |  |  |  |  |  |
|                 | TIME |  |  |  |  |  |  |  |  |  |  |  |
| ANTENNA<br>RPM  | DIAL |  |  |  |  |  |  |  |  |  |  |  |
|                 | TIME |  |  |  |  |  |  |  |  |  |  |  |
| MAG<br>CURRENT  | DIAL |  |  |  |  |  |  |  |  |  |  |  |
|                 | TIME |  |  |  |  |  |  |  |  |  |  |  |

REMARKS

ELECTRONIC SYSTEMS SUPERVISOR

☐ USE REVERSE SIDE FOR ADDITIONAL REMARKS AS NECESSARY.

3A

3B

RFF - 3B WORK FORM  
(8 - 72)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
RESEARCH FLIGHT FACILITY  
MIAMI, FLORIDA

## ELECTRONIC SYSTEMS INFLIGHT DATA LOG

FLIGHT ID

73 09 21 A

DATE

09 21 73

INSTRUCTIONS: Make all entries in pencil. At Flight Termination, give completed form to the Flight Director. Initials of person checking equipment will be put in the columns if the equipment is operating normally. If the equipment is inoperative, put an x and elaborate on malfunction (i.e., time out, time restored, etc.) below. Check equipment every 30 minutes.

|                                 | 13 00 | 13 30 | 14 00 | 14 30 | 15 00 | 15 30 | 16 00 | 16 30 | 17 00 | 17 30 | 18 00 | 18 30 | 19 00 | 19 30 | 20 00 | 20 30 | 21 00 | 21 30 | 22 00 | 22 30 | 23 00 | 23 30 | 00 00 | 00 30 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIGITAL                         | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| PRESSURES                       | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| APN - 82                        | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| <del>APN - 82</del><br>APN - 30 | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| WP - 101                        | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| RDR - 1                         | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| RADAR ALT.                      | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| TEMP. (VORTEX)                  | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| TEMP. (ROSEMNT)                 | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| IRH                             | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| J.W. LIQ. WATER                 | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| CSI DEWPOINT                    | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |
| OMEGA                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

REMARKS:

Get y Bemosa

for

Harmon Ellen

|                               |                                                                                                                                                     |            |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| RFF - 4 WORK FROM<br>(8 - 72) | U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>RESEARCH FLIGHT FACILITY<br>MIAMI, FLORIDA<br><br>DIGITAL STATION | FLIGHT ID  |
|                               |                                                                                                                                                     | 73 09 21 A |
|                               |                                                                                                                                                     | DATE       |
|                               |                                                                                                                                                     | 09 21 73   |

INSTRUCTIONS: Make all entries in pencil. At Flight Termination, give completed form to the Flight Director.

|                |                        |                         |                       |              |
|----------------|------------------------|-------------------------|-----------------------|--------------|
| DIGITAL SYSTEM | TIME ON:<br>13 39 25 Z | TIME OFF:<br>22 54 54 Z | NO. OF TAPES:<br>2 ea | RATE:<br>1-1 |
|----------------|------------------------|-------------------------|-----------------------|--------------|

INFLIGHT LOG

| TIME RESET | TIME STANDARD USED FOR RESET | REMARKS |
|------------|------------------------------|---------|
| Z          |                              |         |
| Z          |                              |         |
| Z          |                              |         |
| Z          |                              |         |
| Z          |                              |         |
| Z          |                              |         |
| Z          |                              |         |
| Z          |                              |         |

REMARKS: (MALFUNCTIONS, RATE CHANGES, ETC.)

Take 'B' off at 18 14 14 Z  
Take 'A' on at 18 14 18 Z

from 20 45 To 20 54 There will  
be Interrupting Records on the A Tape.

|                                                                                                                                                                                                          |                   |                    |                    |                    |                                                                               |                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|--------------------|--------------------|-------------------------------------------------------------------------------|--------------------|
| RFF - 5A WORK FORM<br>(8 - 72)<br><br>U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>RESEARCH FLIGHT FACILITY<br>MIAMI, FLORIDA<br><br><b>PHOTO - OPTICAL STATION</b> |                   |                    |                    |                    | FLIGHT ID<br><div style="text-align: center; font-size: 1.2em;">780921A</div> |                    |
|                                                                                                                                                                                                          |                   |                    |                    |                    | DATE<br><div style="text-align: center; font-size: 1.2em;">21 Sept 1973</div> |                    |
| INSTRUCTIONS: Make all entries in pencil. At Flight Termination, give completed form to the Flight Director. Mark all film cans with Flight ID, Type, and Number. All Times GMT (Z).                     |                   |                    |                    |                    |                                                                               |                    |
| CAMERA                                                                                                                                                                                                   | ON                | OFF                | ON                 | OFF                | RATE                                                                          | FILM USED (FT.)    |
| FOREWARD                                                                                                                                                                                                 | 132500Z           | 140500Z            | 150000Z            | 225500Z            | 1/2                                                                           | 400'               |
| RIGHT SIDE                                                                                                                                                                                               | 132500Z           | 225500Z            |                    |                    | 1/5                                                                           | 435'               |
| LEFT SIDE                                                                                                                                                                                                | 132500Z           | 225500Z            |                    |                    | 1/5                                                                           | 435'               |
| PHOTO PANEL                                                                                                                                                                                              | 130500Z           | 225500Z            |                    |                    | 1/5                                                                           | 435'               |
| VERTICAL                                                                                                                                                                                                 |                   |                    |                    |                    |                                                                               |                    |
| ELAPSED TIME COUNTERS                                                                                                                                                                                    |                   | TIME ON: 134000 Z  |                    | TIME OFF: 224000 Z |                                                                               | FINAL COUNT: 32400 |
| WP - 101 CAMERA                                                                                                                                                                                          | TIME ON: 134800 Z |                    | TIME OFF: 200400 Z |                    | LENS SETTING: f/8                                                             | NO. OF ROLLS: 1    |
| WP - 101 INFLIGHT CHANGES                                                                                                                                                                                |                   |                    |                    |                    |                                                                               |                    |
| RATE 1/4                                                                                                                                                                                                 | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              | (NG entire flight) |                    |                    |                                                                               |                    |
| RANGE 50m                                                                                                                                                                                                | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              |                    |                    |                    |                                                                               |                    |
| TIME MAGAZINE CHANGED                                                                                                                                                                                    |                   |                    |                    |                    |                                                                               |                    |
| APS-20 CAMERA                                                                                                                                                                                            | TIME ON: 135000 Z |                    | TIME OFF: 210700 Z |                    | LEN SETTING: f/5.6                                                            | NO. OF ROLLS: 1    |
| APS - 20 INFLIGHT CHANGES                                                                                                                                                                                |                   |                    |                    |                    |                                                                               |                    |
| RATE 1/2                                                                                                                                                                                                 | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              |                    |                    |                    |                                                                               |                    |
| RANGE *                                                                                                                                                                                                  | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              |                    |                    |                    |                                                                               |                    |
| FTC                                                                                                                                                                                                      | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              |                    |                    |                    |                                                                               |                    |
| TIME MAGAZINE CHANGED                                                                                                                                                                                    |                   |                    |                    |                    |                                                                               |                    |
| RDR - 1 CAMERA                                                                                                                                                                                           | TIME ON: 134800 Z |                    | TIME OFF: 204800 Z |                    | LENS SETTING: f/11                                                            | NO. OF ROLLS: 1    |
| RDR - 1 INFLIGHT CHANGES                                                                                                                                                                                 |                   |                    |                    |                    |                                                                               |                    |
| RATE 1/2                                                                                                                                                                                                 | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              |                    |                    |                    |                                                                               |                    |
| RANGE 20m                                                                                                                                                                                                | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              |                    |                    |                    |                                                                               |                    |
| RECEIVER GAIN                                                                                                                                                                                            | DIAL              |                    |                    |                    |                                                                               |                    |
|                                                                                                                                                                                                          | TIME              |                    |                    |                    |                                                                               |                    |
| TIME MAGAZINE CHANGED                                                                                                                                                                                    |                   |                    |                    |                    |                                                                               |                    |

730921A - AVA 30. Range - CONSTANTLY CHANGED -  
Viewing window - CONSTANTLY OPENED  
By H.S. "PHOTOGRAPHER NOT RESPONSIBLE  
FOR OVEREXPOSED FILM!" Film good!

730921A UP-101 - MAGAZINE MALFUNCTIONED AT 200400Z  
WAS NOTICED.



730921A

| TIME | HOG | LA      | LO   | CQN   | RA   | PA   | D     | T    | Td   | Ht   | DD  | FF  |   |         |  |
|------|-----|---------|------|-------|------|------|-------|------|------|------|-----|-----|---|---------|--|
| 1340 | OFF | BDA     |      |       |      |      |       |      |      |      |     |     |   |         |  |
| 1400 | RT  | 64      |      |       |      |      |       |      |      |      |     |     |   |         |  |
| 1405 | 100 | 3344    | 6308 |       | 6670 | 6060 | 610   | 13.0 | 12.5 |      | 240 | 08  |   |         |  |
| 1410 | 094 | 3345    | 6304 |       | 6710 | 6110 | 600   | 12.0 | 12.0 |      | 305 | 06  |   |         |  |
| 1415 | 098 | 3349    | 6242 |       | 6580 | 6100 | 480   | 13.5 | 12.0 |      | 275 | 05  |   |         |  |
| 1430 | 098 | 3301    | 6150 | 4, +8 | 6610 | 6110 | 500   | 13.7 | 12.0 | 1593 | 312 | 07  |   |         |  |
| 1445 | 092 | 3300    | 6547 |       | 6590 | 6110 | 480   | 13.7 | 10.8 |      | 310 | 12  |   |         |  |
| 1500 | 084 | 3339    | 5955 |       | 6600 | 6120 | 480   | 13.6 | 10.8 |      | 315 | 15  |   |         |  |
| 1515 | 082 | 3400    | 5854 |       | 6570 | 6120 | 450   | 13.7 | 11.0 |      | 298 | 15  |   |         |  |
| 1530 | 086 | 3418    | 5903 |       | 6550 | 6120 | 430   | 13.5 | 10.5 | 1566 | 291 | 15  |   |         |  |
| 1545 | 085 | 3437    | 5700 |       | 6550 | 6150 | 400   | 13.7 | 7.0  |      | 315 | 20  |   |         |  |
| 1600 | 094 | 3452    | 5602 | 4, +8 | 6480 | 6130 | 350   | 14.0 | 11.5 |      | 310 | 34  |   |         |  |
| 1610 | BGN | DESCENT | TO   | 1500' |      |      |       |      |      |      |     |     |   |         |  |
| 1620 | 082 | 3509    | 5430 |       |      |      |       |      |      |      | 310 | 50  |   |         |  |
| 1627 | RT  | 1500'   |      |       |      |      |       |      |      |      |     |     |   |         |  |
| 1630 | 082 | 3517    | 5351 |       | 1380 | 1690 | -310  | 21.6 | 21.6 | 1000 | 300 | 60  | } | SW QUAD |  |
| 1635 | 064 | 3534    | 5320 |       | 1580 | 2070 | -490  | 21.6 | 21.6 |      | 290 | 67  |   |         |  |
| 1640 | 065 | 3532    | 5311 |       | 1615 | 2080 | -810  | 21.8 | 21.8 |      | 297 | 70  |   |         |  |
| 1642 | 065 | 3531    | 5300 |       | 1570 | 2080 | -1080 | 22.1 | 22.1 |      | 290 | 80  |   |         |  |
| 1645 | 210 | 3541    | 5300 |       | 1690 | 2100 | -1280 | 23.0 | 23.0 |      | 260 | 80  |   |         |  |
| 1647 | 095 | 3541    | 5300 |       |      |      |       |      |      |      | 260 | 80  |   |         |  |
| 1650 | 160 | 3541    | 5300 |       | 1520 | 2100 | -1280 | 22.9 | 22.9 |      | 205 | 50  | } | NE QUAD |  |
| 1655 | 110 | 3541    | 5300 |       |      |      |       |      |      |      | 170 | 120 |   |         |  |
| 1658 | 105 | 3541    | 5300 |       | 1640 | 2280 | -1100 | 20.7 | 20.7 |      | 115 | 50  |   |         |  |
| 1700 | 100 | 3541    | 5300 |       | 1610 | 2100 | -490  | 23.5 | 20.5 |      | 160 | 50  |   |         |  |
| 1705 | 100 | 3541    | 5300 |       | 1670 | 1980 | -580  | 20.1 | 20.1 |      | 150 | 80  |   |         |  |
| 1710 | 100 | 3541    | 5300 |       |      |      |       |      |      |      |     |     |   |         |  |
| 1715 | 100 | 3541    | 5300 |       |      |      |       |      |      |      |     |     |   |         |  |
| 1720 | 310 | 3425    | 5300 |       | 1510 | 1510 | 0     | 20.2 | 20.0 |      | 090 | 55  |   |         |  |
| 1724 | T   | 3534    | 5314 |       | 1650 | 1770 | -320  | 20.5 | 20.5 |      | 070 | 50  |   |         |  |
| 1730 | 150 | 3534    | 5317 |       | 1690 | 2080 | -340  | 20.8 | 20.8 | 998  | 060 | 40  | } | NW QUAD |  |
| 1735 | 160 | 3534    | 5308 |       | 1710 | 2080 | -440  | 21.5 | 21.5 |      | 050 | 45  |   |         |  |
| 1740 | 130 | 3534    | 5300 |       | 1400 | 2120 | -700  | 22.5 | 22.5 |      | 035 | 45  |   |         |  |
| 1741 | 100 | 3534    | 5300 |       | 1360 | 2080 | -1020 | 22.7 | 22.7 |      | 015 | 50  |   |         |  |
| 1744 | 115 | 3534    | 5345 |       | 1300 | 2080 | -1220 | 22.6 | 22.6 |      | 010 | 50  |   |         |  |
| 1745 | 100 | 3534    | 5300 |       | 1250 | 2100 | -1250 | 22.5 | 22.5 |      | 010 | 50  |   |         |  |
| 1747 |     | 3603    | 5307 |       | 1410 | 2080 | -1400 | 23.0 | 23.0 |      | 120 | 15  | } | SE QUAD |  |
| 1750 |     | 3534    | 5309 |       | 1780 | 2150 | -910  | 21.2 | 21.2 |      | 020 | 100 |   |         |  |
| 1755 | 195 | 3534    | 5300 |       | 1750 | 2150 | -950  | 21.2 | 21.2 |      | 020 | 85  |   |         |  |
| 1800 | 205 | 3534    | 5317 |       | 1410 | 2100 | -680  | 21.6 | 21.6 |      | 020 | 84  |   |         |  |
| 1805 | 210 | 3534    | 5300 |       | 1300 | 2080 | -660  | 21.0 | 21.0 |      | 010 | 80  |   |         |  |
| 1810 | 205 | 3534    | 5300 |       | 1300 | 2080 | -680  | 21.0 | 21.0 |      | 010 | 80  |   |         |  |
| 1815 | 205 | 3534    | 5307 |       | 1300 | 2080 | -680  | 20.6 | 20.6 |      | 010 | 65  |   |         |  |
| 1820 |     |         |      |       |      |      |       |      |      |      |     |     |   |         |  |
| 1825 | END | RNA     |      |       |      |      |       |      |      |      |     |     |   |         |  |
| 1830 | 210 | 3534    | 5300 |       | 1300 | 2080 | -680  | 20.6 | 20.6 | 1034 | 010 | 55  |   |         |  |
| 1835 |     |         |      |       |      |      |       |      |      |      |     |     |   |         |  |
| 1845 |     |         |      |       |      |      |       |      |      |      |     |     |   |         |  |
| 1850 | 185 |         |      |       | 1650 | 1520 | 120   | 20.1 | 21.0 |      | 020 | 40  |   |         |  |
| 1905 | 275 |         |      |       | 500  | 400  | 100   | 20.1 | 22.0 |      | 020 | 40  |   |         |  |
| 1910 | 250 | 3534    | 5310 |       | 500  | 300  | 140   | 20.2 | 22.0 |      | 020 | 50  |   |         |  |
| 1920 | 355 | 3534    | 5314 |       | 500  | 300  | 150   | 24.5 | 24.0 | 1017 | 025 | 30  |   |         |  |
| 1945 | 365 | 3534    | 5300 |       | 500  | 300  | 150   | 24.5 | 24.0 |      |     |     |   |         |  |

3605  
5245 1640-2 Radar Eye

| A/C COMMANDER       |                    | NAVIGATOR    |             | A/C NO.             | MISSION NO.      |                           | TIME AIRBORNE        |                        | LOCATION | DATE                                                  | PROJ. NAME |
|---------------------|--------------------|--------------|-------------|---------------------|------------------|---------------------------|----------------------|------------------------|----------|-------------------------------------------------------|------------|
| TICKNOR             |                    | HATCH        |             | 39C                 | 730921A          |                           | 134030Z              |                        | BDA      | 21<br>SEP<br>73                                       | ELLEN<br>5 |
| TIME<br>OF<br>ENTRY | POSITION           | CONF<br>FACT | TYPE<br>NO. | DOPPLER<br>POSITION | LA<br>LO<br>CORR | STA<br>OR<br>REF<br>POSN. | TRUE<br>BEAR-<br>ING | RANGE<br>OR<br>READING | CORR     | REMARKS                                               |            |
| 1340<br>30Z         | 32 22<br>64 41     | 1            | 4           | 32 22<br>64 41      | 0<br>10          | BDA<br>RMP                |                      |                        |          | +16° VAR SET                                          |            |
| 1349<br>00          | 32 34<br>64 18 1/2 | 1            | 2           | 32 34<br>64 15 1/2  | 0/<br>+3         |                           |                      | 070/22 1/2<br>BDA VAR  |          |                                                       |            |
| 1421                | 32 49<br>62 20     | 1            | 5           | 32 53<br>62 18      | -4<br>+2         |                           | 3H<br>3H             | 5 1545<br>4 4050       |          |                                                       |            |
| 1500<br>2           | 33 35 1/2<br>59 59 | 1            | 5           | 33 39 1/2<br>59 51  | -4<br>+8         |                           | 3H4                  | 4464                   |          | +18° VAR SET                                          |            |
|                     |                    |              |             |                     |                  |                           |                      |                        |          | NO LORAN<br>+20 VAR                                   |            |
| 1603Z               | 34 50<br>55 50     | 2            | 7           |                     |                  |                           |                      |                        |          | SOME IND STORM ON<br>300 mi RNG at 210 NM             |            |
| 1600                | 35 50<br>53 00     | 2            | 7           |                     |                  |                           |                      |                        |          | 9                                                     |            |
| 1706<br>30          | 36 14<br>52 01     | 2            | 7           |                     |                  |                           |                      |                        |          | PT A                                                  |            |
| 1723                | 36 39<br>53 09     | 2            | 7           |                     |                  |                           |                      |                        |          | PT B                                                  |            |
| 1747                | 36 03<br>52 33     | 2            | 7           |                     |                  |                           |                      |                        |          | 9                                                     |            |
| 1802                | 34 44<br>51 59     |              |             |                     |                  |                           |                      |                        |          | RADAR CALIB<br>TURN-EYE VISBL<br>00.300 - MINIMAL 100 |            |
|                     |                    |              |             |                     |                  |                           |                      |                        |          | DITTO                                                 |            |
| 1901<br>23          | 33 59<br>51 30     |              |             |                     |                  |                           |                      |                        |          |                                                       |            |
|                     |                    |              |             | OVER                |                  |                           |                      |                        |          |                                                       |            |

TYPE OF FIX. (1) DR. (2) RADIO (3) CELESTRAL (4) VISUAL (5) LORAN (6) RADAR  
(7) DOPPLER (8) OMEGA

CONFIDENCE FACTOR (Nautical Miles) (1-5,1) (6-10,2) (11-15,3) (16-UP,4)

# 730921A1 NAV'S LOG

| Time | Position | Type |
|------|----------|------|
|------|----------|------|

|      |           |   |
|------|-----------|---|
| 2007 | 3258 5420 | 7 |
|------|-----------|---|

|        |           |     |
|--------|-----------|-----|
| 212530 | 3242 5928 | 5/7 |
|--------|-----------|-----|

|        |             |     |
|--------|-------------|-----|
| 222210 | 3237 6307.5 | 2/5 |
|--------|-------------|-----|

|        |           |     |
|--------|-----------|-----|
| 223230 | 3224 6350 | 2/5 |
|--------|-----------|-----|

|        |           |   |
|--------|-----------|---|
| 225424 | 3222 6441 | 4 |
|--------|-----------|---|