

## U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

|                  |                    |                              |
|------------------|--------------------|------------------------------|
| FLT ID: 970718I  | FM: MCF            | TO: MCF                      |
| FLT NO: 97-091   | BLK IN: 2150Z      | ATA: 2142Z                   |
| ETD: 1200Z       | BLK OUT: 1213Z     | RTD: 1232Z                   |
| ETE: 2130Z       | BLK TIME: 9:37 9.6 | FLT TIME: 9:10 9.2           |
| SPONSOR ORG: HRD | PROGRAM:           | PURPOSE: HUKA LANDFALL DAWNY |

## OAO PERSONNEL

|                               |                        |
|-------------------------------|------------------------|
| AC KENNEDY, P ✓               | SYS ENG LYNCH, T ✓     |
| CP O'MARA, T ✓                | DATA SYS MCNAMARA, R ✓ |
| NAV KOZAK, S ✓                | RADAR DELGADO, J ✓     |
| FE MOORE, B                   | BT/ODW                 |
| RADIO SANS SOUT ✓             | CLD PHYS               |
| FD CZYZYK, S ✓ / PARRISH, J ✓ | DOPPLER                |

## PARTICIPATING SCIENTIST/VISITORS/OAO

| LAST, FIRST NAME                | ACTIVITY ON A/C | AFFILIATION |
|---------------------------------|-----------------|-------------|
| DOOGE, P                        | P.I.            | HRD         |
| <del>BLACK, M</del> GAMACHE, J  | SLIENTIST       | HRD         |
| BLACK, M                        |                 | HRD         |
| <del>BLACK, M</del> LEIGHTON, P |                 | HRD         |
| CIONE, J                        |                 | HRD         |
| REACER, P                       |                 | HRD         |

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

|                       |                        |       |       |                |
|-----------------------|------------------------|-------|-------|----------------|
| 15-50ADES             | 42007                  | 30.09 | 88.77 | EYE 1414Z      |
| Mod 30.68°N           | 601L1                  | 29.27 | 89.96 | EYE 1512Z      |
| 88.24°W               | BURL1                  | 28.90 | 89.43 | EYE 1538Z 60KT |
| LIX Slidell           |                        |       |       | EYE 1631Z 62KT |
| 30.34°N               | LEGS ON SLIDELL FIRST, |       |       | EYE 1704Z      |
| 89.83°W               | MOBILE LATER           |       |       | EYE 1753Z      |
|                       | ASDL 30-SEC            |       |       | EYE 1850Z      |
| 4 ON GDIL1            | HEADER WXXIA WXXK      |       |       | EYE 1928Z      |
| CH 1 FOR TH 15 NOW 13 | CBPS → CH 46           |       |       | EYE 1959Z      |
| JW NOT ON             |                        |       |       |                |

## U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2

FLT ID: 970718

TIME OFF: 1232Z

TIME ON: 2142Z

|          | A/C T/O | WX STN | A/C LAND | WX STN |
|----------|---------|--------|----------|--------|
| PRESSURE | 1015.0  | 30.04  | 1013.0   | 29.96  |

## NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES ✓

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

GPS SONDES

12

AXDT

AXCP

ODW

## PHOTOGRAPHY

|      | FWD | LS | RS | VERT |
|------|-----|----|----|------|
| ON   |     |    |    |      |
| OFF  |     |    |    |      |
| RATE |     |    |    |      |

## REMARKS

9 PENETRATIONS

970718

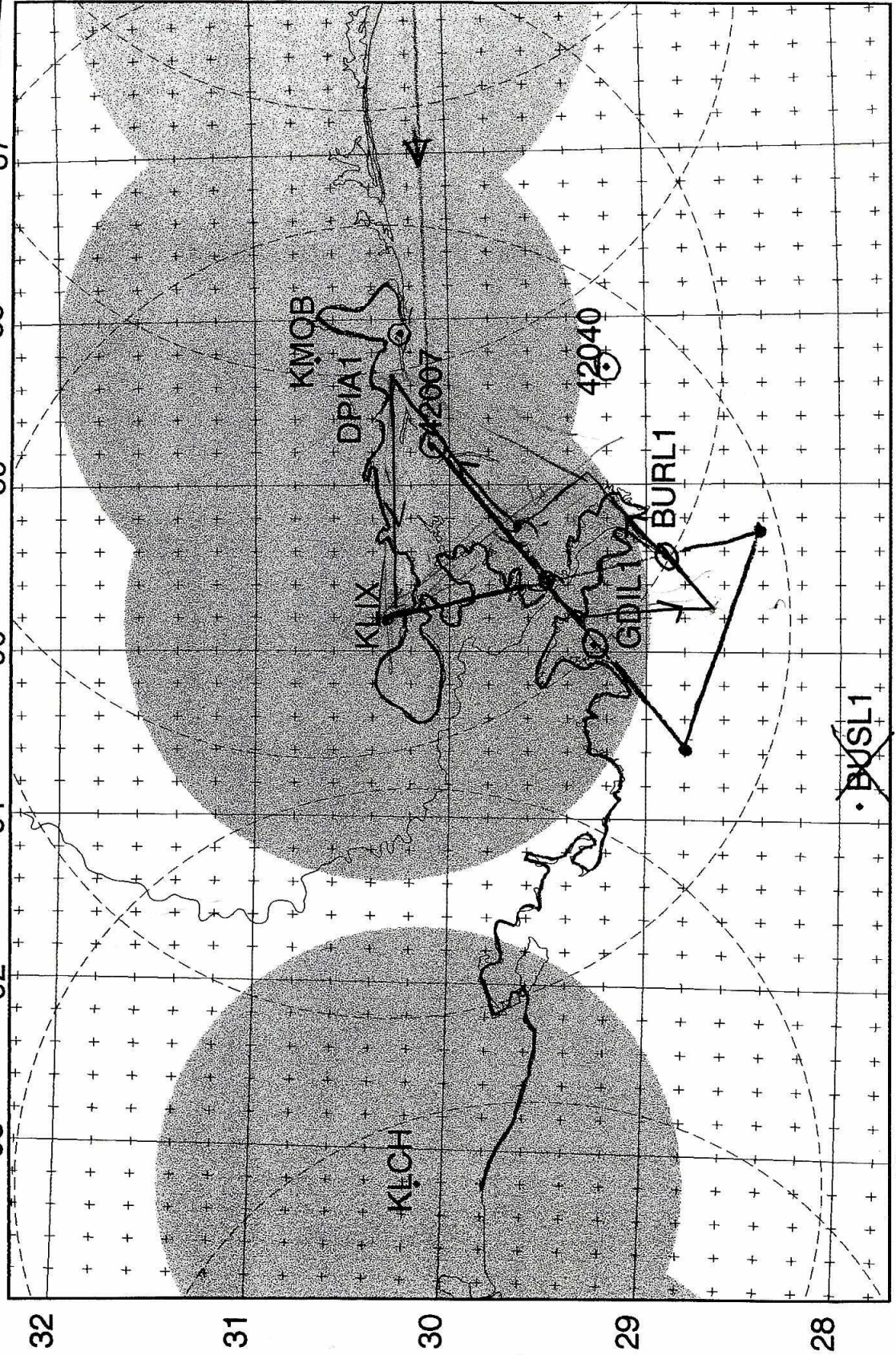
[illegible]

KLIX 30:34° 89:83°  
 Danny (1997) Map #2  
 MOB 30:68, 88:24°

42007 30:09, 88:47  
 GDIL1 29:27, 89:96  
 BURL1 28:90, 89:43

42040 29:20  
 -88:30  
 DPIA1 30:25,  
 -88:08

32 DRP



0 50 100 km  
 Center Lat: 30 Lon: -90  
 230 km range rings  
 150 km haze rings  
 K1  
 18482  
 29 42N  
 88 54W  
 987  
 59 kts  
 77 kts  
 29 38N  
 89 07W  
 55 kts  
 987

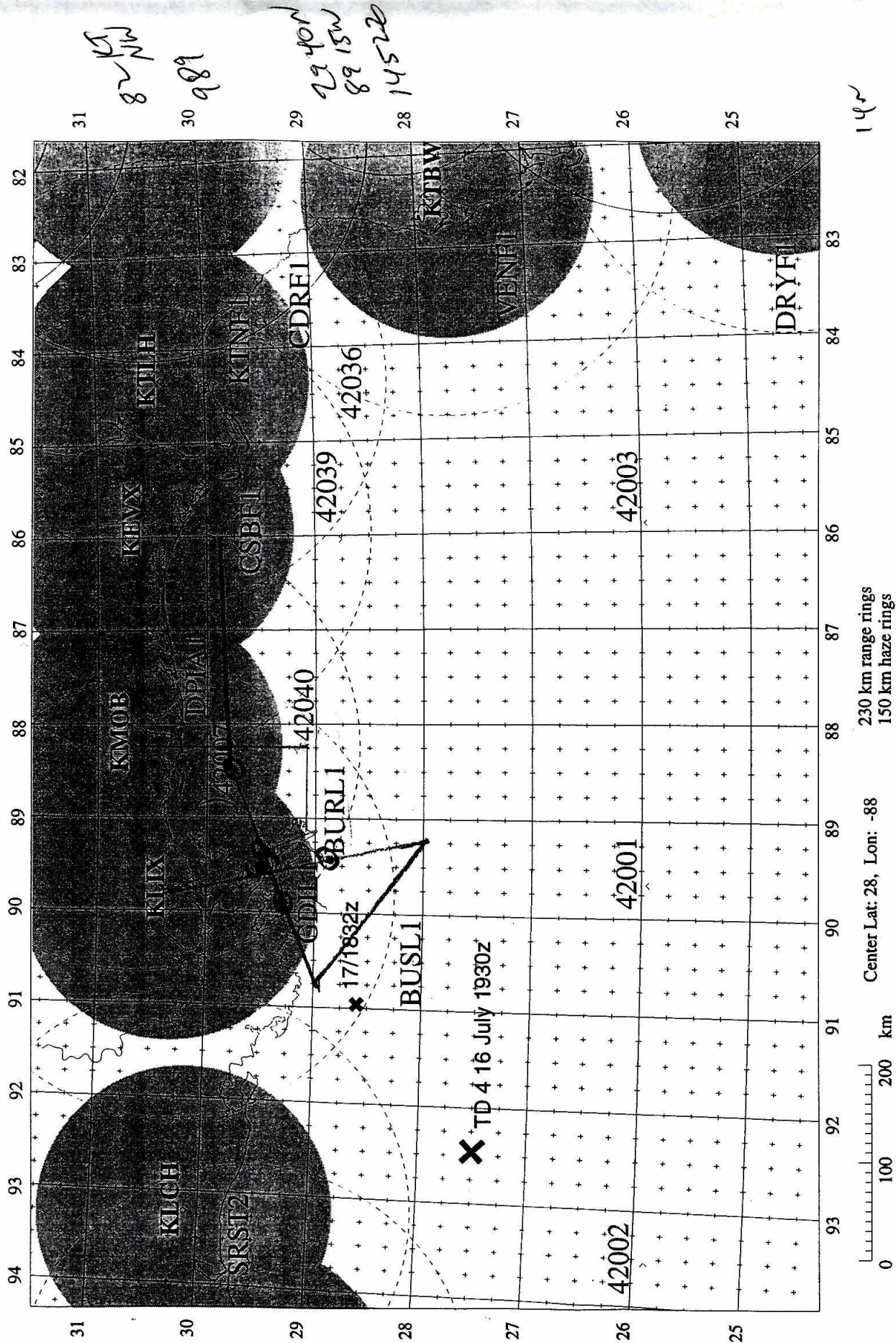
20/27  
 29 49N  
 88 45W  
 69 kts  
 986 mb

19/207  
 EQ LIN

29N  
 89 59W  
 88 57W  
 29 30  
 30

| Sample | Time  | Wavelength | Intensity       |
|--------|-------|------------|-----------------|
| GD1L1  | 29.27 | 89.96      | DP1A1 30.25     |
| 42007  | 30.09 | 88.77      | 88.08           |
| BUR11  | 28.90 | 89.43      | 42040 29.2 88.3 |

TD 4 Map1... 16 July 1997





NOAA • AOC • SED  
N43RF DROP STATION LOG

Project: Hurricane '97

Mission: DANNY 97

Flight ID: 9707181

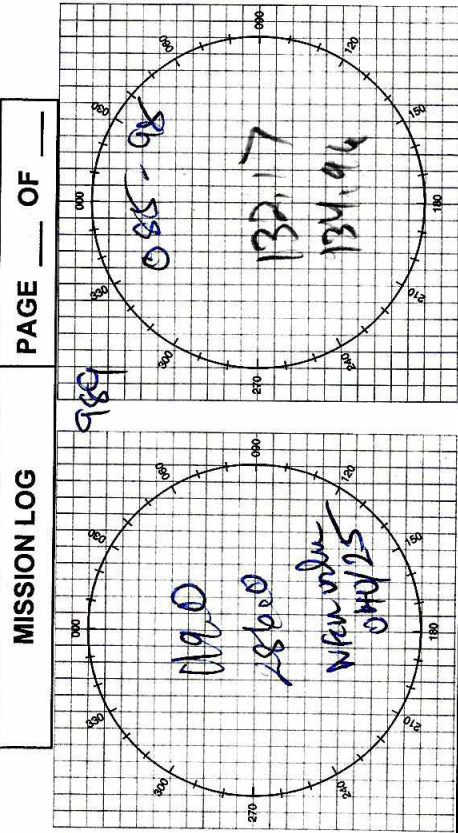
Take Off: 12:31

Landing: 21:41

| Drop # | Sonde Serial # | Rcvr # | Press Offset | Launch Time | Operator              | Sonde OK | Comments                  |
|--------|----------------|--------|--------------|-------------|-----------------------|----------|---------------------------|
| 1      | 621532402      | 1      | -0.9         | 1405.16     | DELGADO               | ✓        |                           |
| 2      | 305400137      | 1      | -1.0         | 1423.28     | "                     | ✓        | SPLASH X 1429             |
| 3      | 970150300      | 2      | -1.0         | 1458.28     | "                     | ✓        | A SPLASH ~ 1504           |
| 4      | 970150236      | 3      | 0.0          | 1507.33     | "                     | ✓        | SPLASH ~ 1513             |
| 5      | 970150298      | 1      | -0.7         | 1550.40     | "                     | ✓        | NO WINDS ~ 1559           |
| 6      | 970150275      | 2      | -0.8         | 1601.27     | "                     | ✓        | WINDS ON-OFF 1638         |
| 7      | 625432702      | 1      | -0.6         | 1651.03     | M <sup>C</sup> NAMARA |          | NO WINDS 1638             |
| 8      | 965120026      | 2      | -0.2         | 1658.00     | "                     |          | NO WINDS 1703             |
| 9      | 385960027      | 1      | -0.9         | 1817.20     | "                     | ✓        | 1822                      |
| 10     | 624233305      | 1      | -0.6         | 1927.38     | "                     | ✓        | 1933                      |
| 11     | 970150244      | 2      | -2.7         | 1930.03     | "                     |          | NO DATA (PRESS ONLY) 1937 |
| 12     | 970440005      | 3      | -1.2         | 1958.49     | "                     | ✓        | 2000                      |
| 13     |                |        |              |             |                       |          |                           |
| 14     |                |        |              |             |                       |          |                           |
| 15     |                |        |              |             |                       |          |                           |
| 16     |                |        |              |             |                       |          |                           |
| 17     |                |        |              |             |                       |          |                           |
| 18     |                |        |              |             |                       |          |                           |
| 19     |                |        |              |             |                       |          |                           |
| 20     |                |        |              |             |                       |          |                           |
| 21     |                |        |              |             |                       |          |                           |
| 22     |                |        |              |             |                       |          |                           |
| 23     |                |        |              |             |                       |          |                           |
| 24     |                |        |              |             |                       |          |                           |
| 25     |                |        |              |             |                       |          |                           |
| 26     |                |        |              |             |                       |          |                           |
| 27     |                |        |              |             |                       |          |                           |
| 28     |                |        |              |             |                       |          |                           |
| 29     |                |        |              |             |                       |          |                           |
| 30     |                |        |              |             |                       |          |                           |
| 31     |                |        |              |             |                       |          |                           |
| 32     |                |        |              |             |                       |          |                           |
| 33     |                |        |              |             |                       |          |                           |
| 34     |                |        |              |             |                       |          |                           |
| 35     |                |        |              |             |                       |          |                           |

29N 09W 2940N 2915W 42040 2912 8813

| CLEARANCES |           |     |                  |
|------------|-----------|-----|------------------|
| FREQ       | ALT       | HDG | OTHER            |
| 1712       |           |     | Grand 255c 23540 |
| 2938N      | 89415     |     | 150136           |
| 8907W      | ↓         |     | 03/63            |
|            | same fuel |     |                  |
|            | ✓         |     | LE 120/12        |
|            |           |     | 2013N / 8839W    |



POSITION REPORT

1. POSITION **MOB**

2. TIME **30168N**

3. ALTITUDE **8824W**

4. NEXT POSITION

5. ETA

6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHFVOICE 121.5 VHFVOICE 2182 KHZ HFICW 500 KHZ

MAYDAY/MAYDAY, MAYDAY

THIS IS NOAA, NOAA, NOAA

POSITION: **2938N** **8907W**

HEADING: **085** TRUE/MAG

AT: **085** TRUE/MAG

FLIGHT LEVEL OR ALTITUDE: **085**

WE ARE A P-3 AIRCRAFT WITH **085** SOULS ON BOARD

NATURE OF EMERGENCY: **085**

ASSISTANCE DESIRED: **085**

PILOT INTENTIONS: **085**

WE HAVE **085** ENDURANCE REMAINING

| TIME | FIX TYPE | POSITION           | INS 1 POSITION     | K ERR | INS 2 POSITION     | K ERR | MH | VAR | TH | DR | TRK | GS | WD | WS | ALT | TAS | NEXT PT | TIME | ETA | REMARKS     |
|------|----------|--------------------|--------------------|-------|--------------------|-------|----|-----|----|----|-----|----|----|----|-----|-----|---------|------|-----|-------------|
| 1203 | VIS      | 27510N<br>892916W  |                    |       |                    |       |    |     |    |    |     |    |    |    |     |     |         |      |     | chucks/816  |
| 1213 |          | 27510N<br>892916W  |                    |       |                    |       |    |     |    |    |     |    |    |    |     |     |         |      |     | taxi        |
| 1230 |          | 27510N<br>892916W  |                    |       |                    |       |    |     |    |    |     |    |    |    |     |     |         |      |     | to off      |
| 1250 | GPS      | 285011N<br>895541W | 285011N<br>895541W | -1.2  | 285011N<br>895541W | -1.2  |    |     |    |    |     |    |    |    |     |     |         |      |     | 1st Drop    |
| 1329 | GPS      | 30138N<br>85419W   | 30138N<br>85419W   | -1.5  | 30138N<br>85419W   | -1.5  |    |     |    |    |     |    |    |    |     |     |         |      |     | not Panamab |
| 1404 | GPS      | 300410N<br>894710W | 300410N<br>894710W | -1.4  | 300410N<br>894710W | -1.4  |    |     |    |    |     |    |    |    |     |     |         |      |     | 1st Drop    |
| 1414 | GPS      | 293015N<br>891817W | 293015N<br>891817W | -1.5  | 293015N<br>891817W | -1.5  |    |     |    |    |     |    |    |    |     |     |         |      |     | f DANNY     |
| 1423 | GPS      | 291511N<br>895711W | 291511N<br>895711W | -1.6  | 291511N<br>895711W | -1.6  |    |     |    |    |     |    |    |    |     |     |         |      |     | 2nd Drop    |
| 1458 | GPS      | 285344N<br>892717W | 285344N<br>892717W | -1.1  | 285344N<br>892717W | -1.1  |    |     |    |    |     |    |    |    |     |     |         |      |     | 3rd Drop    |
| 1507 | GPS      | 292611N<br>895814W | 292611N<br>895814W | -1.7  | 292611N<br>895814W | -1.7  |    |     |    |    |     |    |    |    |     |     |         |      |     | 4th Drop    |
| 1512 | GPS      | 293914N<br>891615W | 293914N<br>891615W | -1.3  | 293914N<br>891615W | -1.3  |    |     |    |    |     |    |    |    |     |     |         |      |     | 5th Drop    |
| 1536 | GPS      | 293914N<br>891615W | 293914N<br>891615W | -1.3  | 293914N<br>891615W | -1.3  |    |     |    |    |     |    |    |    |     |     |         |      |     | 5th Drop    |
| 1631 | GPS      | 293914N<br>891615W | 293914N<br>891615W | -1.3  | 293914N<br>891615W | -1.3  |    |     |    |    |     |    |    |    |     |     |         |      |     | 5th Drop    |
| 1704 | GPS      | 293914N<br>891615W | 293914N<br>891615W | -1.3  | 293914N<br>891615W | -1.3  |    |     |    |    |     |    |    |    |     |     |         |      |     | 5th Drop    |
| 1753 | GPS      | 293914N<br>891615W | 293914N<br>891615W | -1.3  | 293914N<br>891615W | -1.3  |    |     |    |    |     |    |    |    |     |     |         |      |     | 5th Drop    |
| 1800 | GPS      | 293914N<br>891615W | 293914N<br>891615W | -1.3  | 293914N<br>891615W | -1.3  |    |     |    |    |     |    |    |    |     |     |         |      |     | 5th Drop    |

1948 2942N 8854W

54 knots 987 mo

100

11-15-2022

(C) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

[illegible]

Donny

| INS PERFORMANCE       |  | INS 1 | INS 2 |
|-----------------------|--|-------|-------|
| BEGIN/ALIGN<br>TIME   |  | 1035  | 1035  |
| ALIGN<br>STATUS (0-5) |  | 0     | 0     |
| END NAV<br>TIME       |  | 2151  | 2157  |
| START NAV<br>TIME     |  | 1206  | 1206  |
| DELTA T               |  | 9745  | 9745  |

| TERMINAL ERRORS |       |       |
|-----------------|-------|-------|
|                 | INS 1 | INS 2 |
| DELTA LAT       | +4.5  | -4.5  |
| DELTA LON       | +1.7  | +1.3  |
| RGS             | 1     | 3     |
| RADIAL ERROR    | 5     | 5     |

| REMARKS       |
|---------------|
| 42007         |
| 30.09N 88.77W |
| 3005N 88.46W  |
| 60321         |
| 29.27N 89.96W |
| 60321 28.90N  |

| NOAA FORM 56-49<br>(2-95) |                | MISSION PREFLIGHT LOG |    |              |  | NAVIGATOR |  | AIRCRAFT COMMANDER |  | FLIGHT DIRECTOR |  | SCHEDULED / ACTUAL TAKEOFF Z |  | DATE OF TAKEOFF |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|---------------------------|----------------|-----------------------|----|--------------|--|-----------|--|--------------------|--|-----------------|--|------------------------------|--|-----------------|--|----|--|-----|--|-----|--|-------------------|--|-------------------|--|-------------|--|------|--|---------|--|
| DESTINATION               |                | MISSION               |    | VAR<br>+E==> |  | TH        |  | DR<br>+R==>        |  | TRK             |  | GS                           |  | WD              |  | WS |  | ALT |  | TAS |  | LEG / TOT<br>DIST |  | LEG / TOT<br>TIME |  | PROP<br>ETA |  | ATA  |  | REMARKS |  |
| WP                        | LAT / LON      | RTE                   | MH |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
| 1                         | 3034N<br>8423W | 744                   |    |              |  |           |  |                    |  |                 |  | 250                          |  |                 |  |    |  |     |  |     |  | 184<br>92         |  | 446<br>446        |  |             |  |      |  |         |  |
| 2                         | 3013<br>8541W  | PFV                   |    |              |  |           |  |                    |  |                 |  | 270                          |  |                 |  |    |  |     |  |     |  | 262<br>417        |  | 403<br>417        |  |             |  | 1329 |  |         |  |
| 3                         | 3005N<br>8846W | 42007                 |    |              |  |           |  |                    |  |                 |  | 270                          |  |                 |  |    |  |     |  |     |  | 460<br>422        |  | 437<br>440        |  |             |  | 4466 |  |         |  |
| 4                         | 2916N<br>8857W | 60041                 |    |              |  |           |  |                    |  |                 |  | 260                          |  |                 |  |    |  |     |  |     |  | 50<br>472         |  | 413<br>415        |  |             |  | 4416 |  |         |  |
| 5                         | 2904N<br>9045W | TURN                  |    |              |  |           |  |                    |  |                 |  | 260                          |  |                 |  |    |  |     |  |     |  | 96<br>588         |  | 422<br>414        |  |             |  |      |  |         |  |
| 6                         | 280N<br>8915W  | TURN                  |    |              |  |           |  |                    |  |                 |  | ✓                            |  |                 |  |    |  |     |  |     |  | 99<br>667         |  | 422<br>436        |  |             |  |      |  |         |  |
| 7                         | 2854N<br>8926W | BWLL                  |    |              |  |           |  |                    |  |                 |  | ✓                            |  |                 |  |    |  |     |  |     |  | 55<br>722         |  | 413<br>414        |  |             |  |      |  |         |  |
| 8                         | 3021N<br>8908W | FLIX                  |    |              |  |           |  |                    |  |                 |  | ✓                            |  |                 |  |    |  |     |  |     |  | 90<br>512         |  | 481<br>410        |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  |             |  |      |  |         |  |
|                           |                |                       |    |              |  |           |  |                    |  |                 |  |                              |  |                 |  |    |  |     |  |     |  |                   |  |                   |  | </          |  |      |  |         |  |

2916N 8857W