

## U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF-1

|                  |                               |                      |
|------------------|-------------------------------|----------------------|
| Flt ID: H060504  | From: KMOB                    | To: KPBE             |
| Flt No: 06-039   | Blk In: 1353Z                 | ATA: 1349Z           |
| ETD: 1200Z       | Blk Out: 1155Z                | ATD: 1203Z           |
| ETE:             | Blk Time: 1:58 (2.0)          | Flt Time: 1:46 (1.8) |
| Sponsor Org: NHC | Program: HURR. AWARENESS TOUR | Purpose:             |

## AOC Personnel

|             |                       |
|-------------|-----------------------|
| AC: CH0Y    | Sys Eng:              |
| CP: NELSON  | Data Sys: OLNEY       |
| Nav: BRAKOB | Radar:                |
| FE: BAST    | GPS/BT: RASCO         |
| FD: DAMIANO | Cld Phys: PM McFADDEN |
| Avionics:   | MEUT TORREY           |

## Participating Scientists / Visitors / AOC

| Name (Last, First) | Activity on Aircraft | Affiliation   |
|--------------------|----------------------|---------------|
| MAYFIELD           | OBS                  | WITE          |
| KNABB              |                      | ↓             |
| STEWART            |                      |               |
| ZALESKI            |                      | NWS S. REGION |
| PROENZA            |                      | ↓             |
| DE BOW             |                      | NOAA CORPS    |
| DAVIDSON           |                      | NOAA CORPS    |
| BAST, L.           | PA                   | AOC           |
| FELTGUN, D.        | PA                   | NOAA PA       |

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

## U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWP2

Flt ID:

14060504

Time Off:

1203Z

Time On:

1349Z

A/C (Take Off)

Wx Station (Take Off)

A/C (Land)

Wx Station (Land)

Pressure

Number

Data Disposition / Date / Quality

Flt Lvl Tapes

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

FUGATE, CRAIG

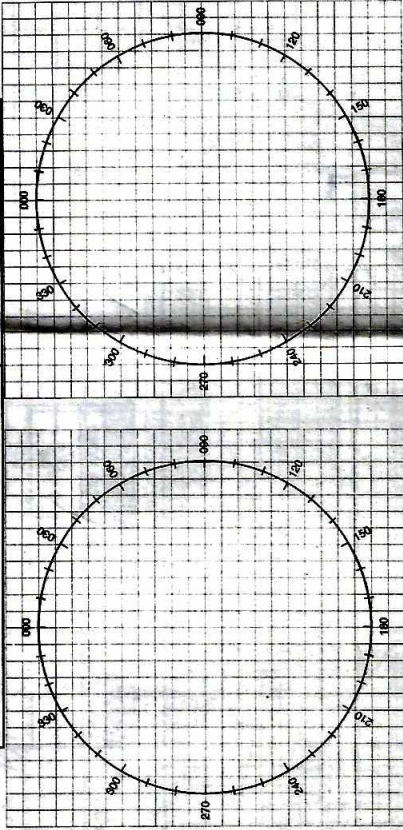
FL  
DIR of EM

ASKEY, MARK

REC'D FEMA Regis IV

[illegible]

# POSITION REPORT



1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

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:

|           |           |          |          |         |
|-----------|-----------|----------|----------|---------|
| UHF/VOICE | VHF/VOICE | MF/VOICE | HF/CW    | MF/CW   |
| 243.0     | 121.5     | 2182 KHZ | 8364 KHZ | 500 KHZ |

**MAYDAY, MAYDAY, MAYDAY  
THIS IS NOAA . NOAA**

- POSITION \_\_\_\_\_ N/S \_\_\_\_\_  
E/W AT \_\_\_\_\_ Z \_\_\_\_\_

- HEADING \_\_\_\_\_ TRUE/MAG \_\_\_\_\_  
- AT \_\_\_\_\_ KTS TRUE/INDICATED \_\_\_\_\_

- FLIGHT LEVEL OR ALTITUDE
- WE ARE A P-3 AIRCRAFT WITH

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS
- WE HAVE
- ENDURANCE REMAINING

[illegible]

CCY      CAC3

MOB  
CEW  
DEFEND  
HENDON  
LAL  
PHIC  
PBT

| TERMINAL ERRORS |      | INS1 | INS2 |
|-----------------|------|------|------|
| DELTA LAT       | +1.7 | -9   |      |
| DELTA LON       | +1.2 | +1.3 |      |
| RCS             | 2    | 0    |      |
| RADIAL ERROR    | 2    | 1    |      |

[illegible]

1400 1401 1300 1200



| ENROUTE FUEL                   |       |
|--------------------------------|-------|
| ENROUTE TIME                   | 2+00  |
| ENROUTE FUEL<br>(6K 5K4SKRULE) | 11K   |
| RESERVE AT<br>DESTINATION      | 10K   |
| REQUIRED<br>RAMP               | 21K   |
| ACTUAL RAMP<br>FUEL            | 29.3K |

| TACTICAL (OFFSETA TO DESTINATION) |  | 4 ENG | 3 ENG |
|-----------------------------------|--|-------|-------|
| DISTANCE<br>(OFFSETA TO DEST)     |  |       |       |
| ENROUTE TIME<br>(OFFSETA TO DEST) |  |       |       |
| BURN RATE<br>(LBS/HR)             |  | 4500  | 5500  |
| ENROUTE FUEL<br>REQUIRED          |  |       |       |
| RESERVE AT<br>DESTINATION         |  |       |       |
| FUEL AT<br>OFFSETA                |  |       |       |

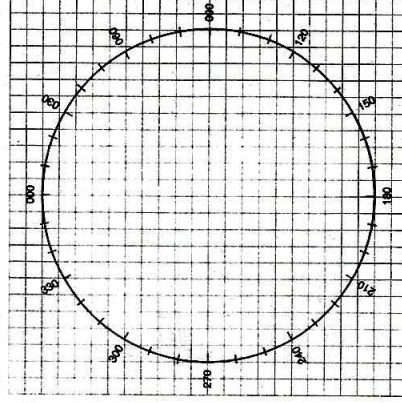
| POINT OF SAFE RETURN           |       |       |
|--------------------------------|-------|-------|
|                                | 4 ENG | 3 ENG |
| ETP DISTANCE<br>(TO DEPARTURE) |       |       |
| ENROUTE TIME<br>(TO DEPARTURE) |       |       |
| BURN RATE<br>(LBS/HR)          | 4500  | 5500  |
| FUEL<br>REQUIRED               |       |       |
| RESERVE AT<br>DEPARTURE        |       |       |
| PSR FUEL                       |       |       |

| CEX - TRUE BEARING METHOD |      |      |     | CEX SIGHT   |  |
|---------------------------|------|------|-----|-------------|--|
| COMPASS TYPE              | INS1 | INS2 | WET |             |  |
| MCH (READING)             |      |      |     | GNT         |  |
| MTH (SEXTANT)             |      |      |     | GHA         |  |
| CE                        |      |      |     | CORR        |  |
| -VAR                      |      |      |     | GHA         |  |
| DEV                       |      |      |     | LONG W<br>E |  |
|                           |      |      |     | EXACT LHA   |  |
|                           |      |      |     | LAT         |  |
|                           |      |      |     | BODY        |  |
|                           |      |      |     | DEC         |  |
|                           |      |      |     | HC/D        |  |
|                           |      |      |     | CORR        |  |
|                           |      |      |     | HC          |  |
|                           |      |      |     | Z           |  |
|                           |      |      |     | ZN          |  |

| CEX - ERB METHOD |      |      |     |
|------------------|------|------|-----|
| COMPASS TYPE     | INS1 | INS2 | WET |
| MERB (DIAL 000)  |      |      |     |
| + ZN             |      |      |     |
| = MTH            |      |      |     |
| MCH (READING)    |      |      |     |

| QEX - ERB METHOD |      |      |     |  |
|------------------|------|------|-----|--|
| COMPASS TYPE     | INS1 | INS2 | WET |  |
| MERB (DIAL 000)  |      |      |     |  |
| + ZN             |      |      |     |  |
| = MTH            |      |      |     |  |
| MCH (READING)    |      |      |     |  |
| GE               |      |      |     |  |
| = VAR            |      |      |     |  |
| = DEV            |      |      |     |  |



| WIND FACTOR |          |          |
|-------------|----------|----------|
| WINDSPEED   | HEADWIND | TAILWIND |
| 10          | 1.03     | .97      |
| 20          | 1.06     | .94      |
| 30          | 1.10     | .92      |
| 40          | 1.14     | .89      |
| 50          | 1.18     | .87      |
| 60          | 1.22     | .85      |

DISTANCE REMAINING

ETP = .5(TOTAL DISTANCE x OUTBOUND WIND FACTOR)

| PRESS ALT | 200 | 250 | 300 | 350 |
|-----------|-----|-----|-----|-----|
| 10,000    | 1.0 | 1.0 | .99 | .99 |
| 20,000    | .99 | .98 | .97 | .97 |
| 30,000    | .97 | .96 | .95 | .94 |
| 40,000    | .96 | .94 | .92 | .90 |

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