

|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| Flt ID: 050711H       | From: KNIP           | To: MRO020           |
| Flt No: 05-034        | Blk In: 2233         | ATA: 2229            |
| ETD: 172              | Blk Out: 1702        | ATD: 1714            |
| ETE: 5+00             | Blk Time: 5+31 (5-5) | Flt Time: 5+15 (5.3) |
| Sponsor Org: NOAA H2D | Program: JFEX        | Purpose: Ferry       |

## AOC Personnel

|                  |                    |
|------------------|--------------------|
| AC: KENNEDY      | Sys Eng: Hill      |
| CP: CHDY         | Data Sys: McMullen |
| Nav: CARRAGHER   | Radar:             |
| FE: WADE         | GPS/BT:            |
| FD: FLATZEN      | Cld Phys:          |
| Avionics: ROGERS | cc Torrey          |

## Participating Scientists / Visitors / AOC

| Name (Last, First) | Activity on Aircraft | Affiliation |
|--------------------|----------------------|-------------|
| BLACK, M           | SCI                  | H2D         |
| LEGATION, P        | SCI                  | "           |
| DODGE, P           | SCI                  | "           |
| MURILLO, S         | SCI                  | "           |
| VINDE, K           | SCI                  | "           |
| ULITOM, E          | SCI                  | "           |
| ROGERS, R          | SCI                  | "           |
| WILMS, P           | SCI                  | "           |

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

500 814 7391  
 500 255 1791

MACISAROS

2230

12  
 13  
 17  
 42

Flt ID:

050711 #

Time Off:

1714Z

Time On:

2229Z

A/C (Take Off)

Wx Station (Take Off)

A/C (Land)

Wx Station (Land)

Pressure

1017.1

1016.5

912.8

909.6

Number

Data Disposition / Date / Quality

Flt Lvl Tapes

2

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

~~1655Z CLR 31/24~~~~A3007~~

T/O 1655Z

1700Z 6SM

32/23 A3007

A3000

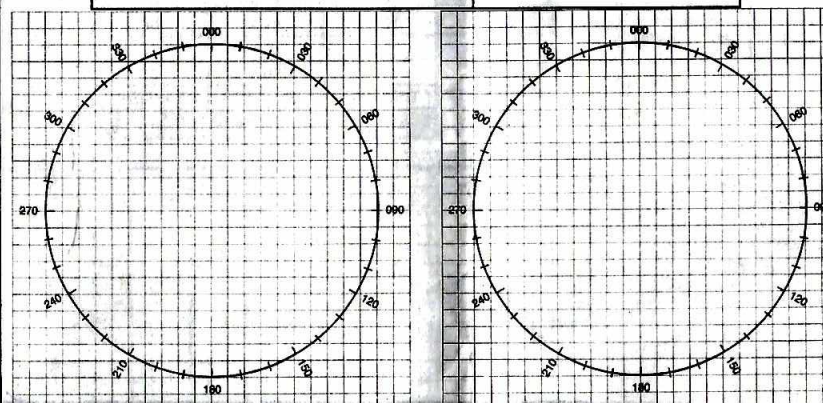
AC UND PRESS ON FOLLO

Narrow AS78 R45H

[illegible]

## MISSION LOG

**PAGE** \_\_\_\_\_ **OF** \_\_\_\_\_



## POSITION REPORT

1. POSITION
2. TIME
3. ALTITUDE
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:

|           |           |          |          |         |
|-----------|-----------|----------|----------|---------|
| 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 \_\_\_\_\_, 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 \_\_\_\_\_ SOULS ON BOARD

- NATURE OF EMERGENCY

- ASSISTANCE DESIRED

- PILOT INTENTIONS

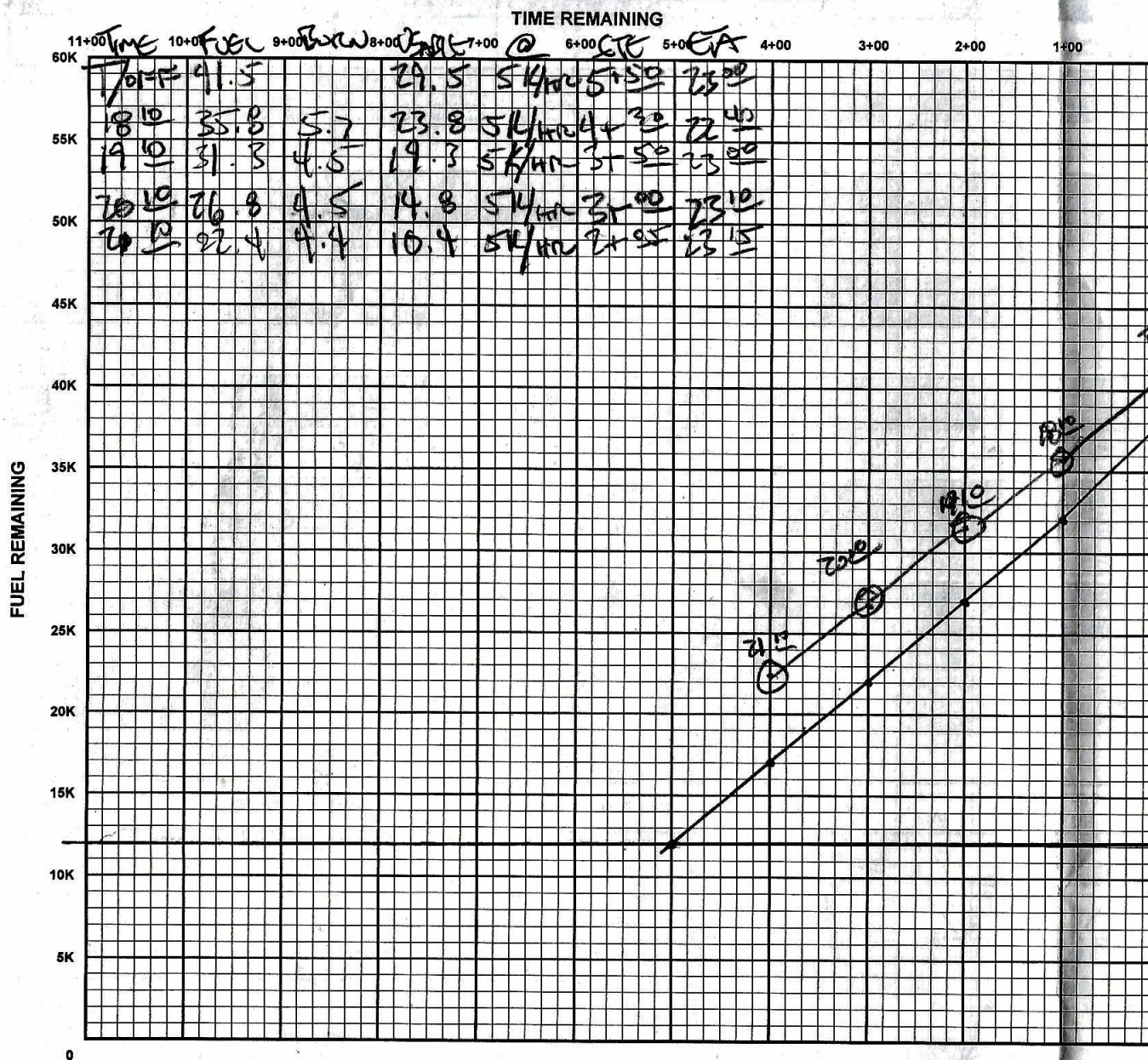
- WE HAVE \_\_\_\_\_ ENDURANCE REMAINING

[illegible]

1282 c Fresh



# RANGE CONTROL GRAPH



## DISTANCE REMAINING

$$ETP = .5(TOTAL\ DISTANCE \times OUTBOUND\ WIND\ FACTOR)$$

| 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      |

## ENROUTE FUEL

|                                   |      |
|-----------------------------------|------|
| ENROUTE TIME                      | 5:00 |
| ENROUTE FUEL<br>(6K 5K 4.5K RULE) | 26.0 |
| RESERVE AT<br>DESTINATION         | 12.0 |
| REQUIRED<br>RAMP                  | 38.0 |
| ACTUAL RAMP<br>FUEL               | 41.5 |

## TACTICAL (OFFSTA TO DESTINATION)

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

## 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                       |       |       |

| PRESS<br>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 |

## TRUE AIRSPEED CROSS-CHECK

| TIME | IAS | PRESS<br>ALT | "F"<br>FACTOR | EAS | OAT | TAS | ITAS |
|------|-----|--------------|---------------|-----|-----|-----|------|
|      |     |              |               |     |     |     |      |
|      |     |              |               |     |     |     |      |
|      |     |              |               |     |     |     |      |

| CEX - TRUE BEARING METHOD |      |      |     |
|---------------------------|------|------|-----|
| COMPASS TYPE              | INS1 | INS2 | WET |
| MCH (READING)             |      |      |     |
| MTH (SEXTANT)             |      |      |     |
| CE                        |      |      |     |
| -VAR                      |      |      |     |
| DEV                       |      |      |     |

| CEX SIGHT     |  |
|---------------|--|
| GMT           |  |
| GHA           |  |
| CORR          |  |
| GHA           |  |
| 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)    |      |      |     |
| CE               |      |      |     |
| -VAR             |      |      |     |
| =DEV             |      |      |     |

