

**U.S. Dept. of Commerce / NMAO / NOAA / Aircraft Operations Center**

|                             |                             |                            |
|-----------------------------|-----------------------------|----------------------------|
| Fit ID: 060828I             | From: KMCF                  | To: KMCF                   |
| Fit No: 06 -                | Blk In: 2147 z              | Time On: 2139 z            |
| ETD: 15z                    | Blk Out: 2041 z             | Time Off: 2049 z           |
| ETE: 1 + 00                 | Blk Time: 1 + 00 Hrs (1.01) | Fit Time: 0 + 50 Hrs (0.8) |
| Sponsoring Org: NOAA / ERSI | Program: TEXAQS             | Purpose: TEST FLT - TEXAQS |

**AOC Flight Crew**

|                              |                       |
|------------------------------|-----------------------|
| Aircraft Commander: CHOY, B  | Data System: LYNCH, T |
| Co-Pilot: NEWMAN, C          | AVACS: DEFEO, G       |
| Navigator: BRACKB, D         | System Eng:           |
| Flight Eng: FLOYD, D         | A A:                  |
| Flight Director: FLAHERTY, P | A A:                  |
| Avionics: SANS SOWCI, D      | Crew Chief:           |

**Participating Scientists / Visitors**

| Name (Last, First) | Activity on Aircraft | Affiliation |
|--------------------|----------------------|-------------|
| RYERSON, T         |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix # Fix Time

Storm Name:

Mission ID:

(See reverse for additional remarks)

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Flight ID: 060828I

Time Off: 2049Z

Time On: 2139Z

A/C - Takeoff

Wx Station - Takeoff

A/C - Land

Wx Station - Land

Pressure

1010.9

A2991

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes / CDs

Video Tapes

Dropsondes

Good: 1 Bad: 0

AXBT

AXCP

AXCTD

Remarks:

T/O

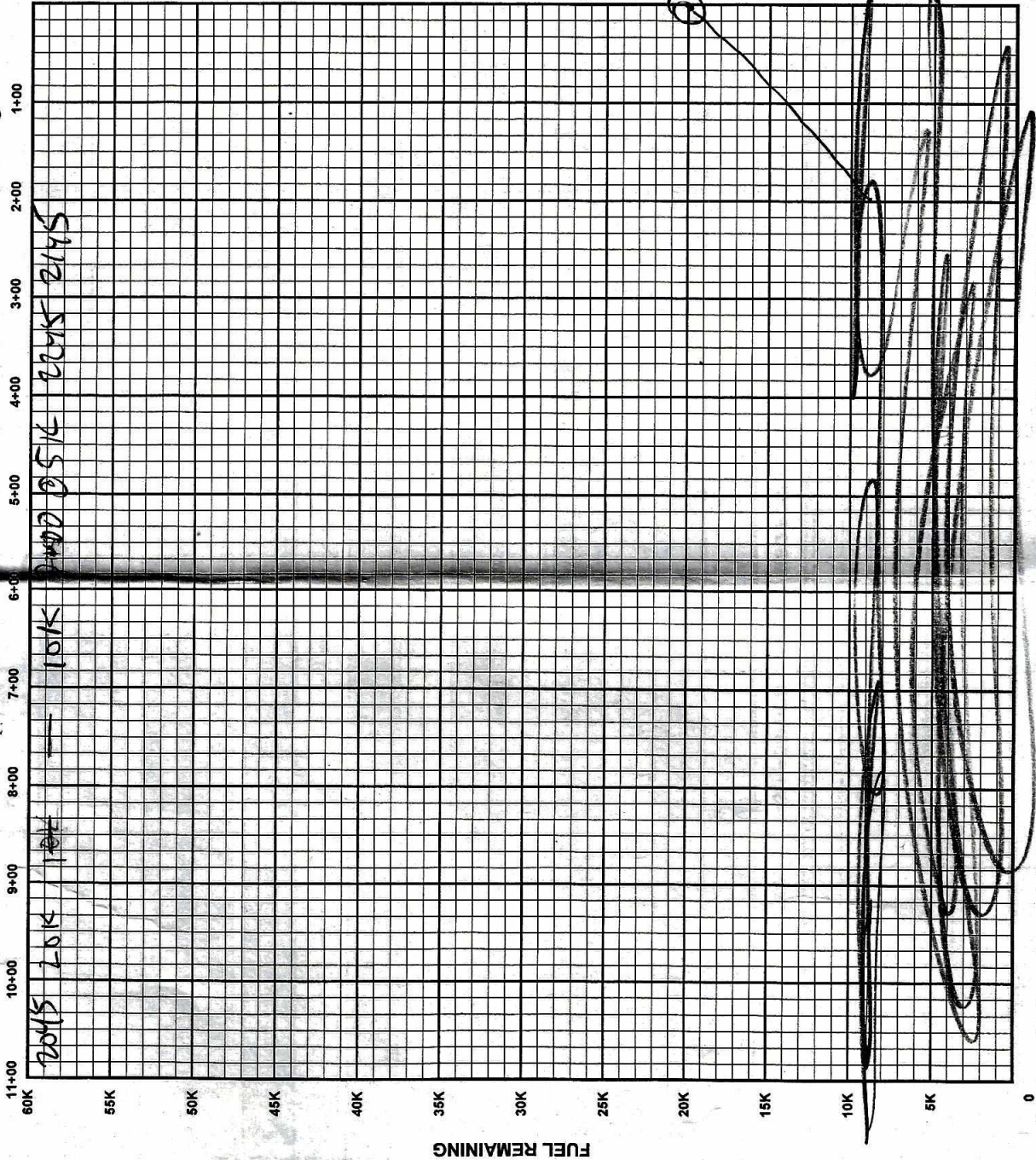
440/A2991



RANGE CONTROL GRAPH

2145 2045

TIME REMAINING



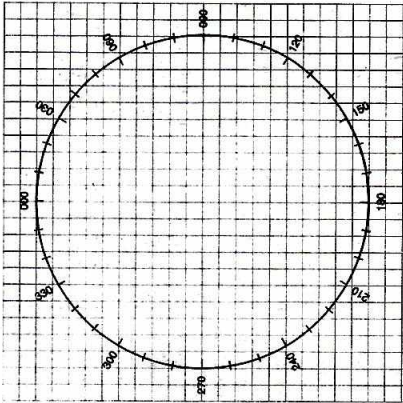
| ENROUTE FUEL                        |      |
|-------------------------------------|------|
| ENROUTE TIME                        | 1+00 |
| ENROUTE FUEL<br>(6K 5K 4K 3K 2K 1K) | 6K   |
| RESERVE AT<br>DESTINATION           | 10K  |
| REQUIRED<br>RAMP                    | 16K  |
| ACTUAL RAMP<br>FUEL                 | 20K  |

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

| 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                |      |       |       |

| CEX - ERB METHOD |      |      |     |  | CEX SIGHT   |  |
|------------------|------|------|-----|--|-------------|--|
| COMPASS TYPE     | INS1 | INS2 | WET |  | GMT         |  |
| MERB (DIAL 000)  |      |      |     |  | GHA         |  |
| + ZN             |      |      |     |  | CORR        |  |
| = MTH            |      |      |     |  | GHA         |  |
| MCH (READING)    |      |      |     |  | LONG W<br>E |  |
| CE               |      |      |     |  | EXACT LHA   |  |
| -VAR             |      |      |     |  | LAT         |  |
| = DEV            |      |      |     |  | BODY        |  |
|                  |      |      |     |  | DEC         |  |
|                  |      |      |     |  | HC/D        |  |
|                  |      |      |     |  | CORR        |  |
|                  |      |      |     |  | HC          |  |
|                  |      |      |     |  | Z           |  |
|                  |      |      |     |  | ZN          |  |

| 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                       |      |       |       |



| 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      |

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

| TRUE AIRSPEED CROSS-CHECK |     |           |            |     |     |      |
|---------------------------|-----|-----------|------------|-----|-----|------|
| TIME                      | IAS | PRESS ALT | "F" FACTOR | EAS | OAT | ITAS |
|                           |     |           |            |     |     |      |
|                           |     |           |            |     |     |      |
|                           |     |           |            |     |     |      |

DISTANCE REMAINING

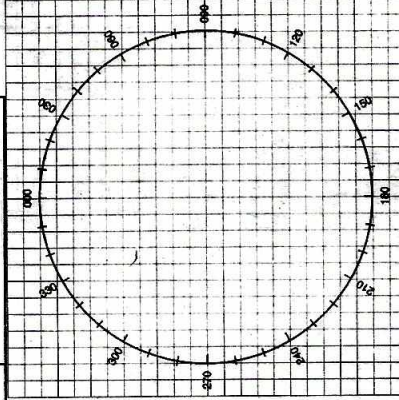
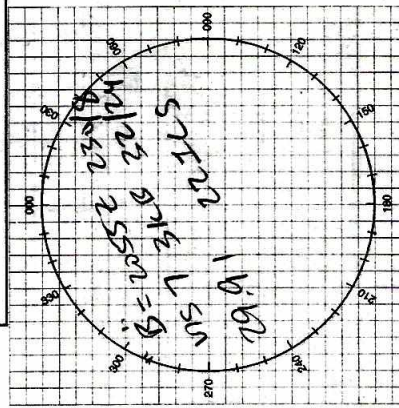
ETP = .5(TOTAL DISTANCE x OUTBOUND WIND FACTOR)

## CLEARANCES

[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 \_\_\_\_\_**

- 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]