

# RADAR PREFLIGHT CHECKLIST

AUG 8 1980

FLIGHT # 19800808 I 1 - RADAR

A.C. # 43 RF

AUG 8 1980

OPERATOR Marks

RADAR TECH Goldstein

NUMBER OF DIGITAL MAGNETIC TAPES ONBOARD 27

NUMBER OF VIDEO Cassettes TAPES ONBOARD 7

NUMBER OF TAPE LABELS ON BOARD 40

COMPONENT SYSTEMS UP AND CHECKED.

RDSC ✓  
COMPUTER ✓  
DMTR1 ✓  
DMTR2 ✓

VTR ✓  
DSC1 ✓  
DSC2 ✓  
SCOPES ✓

NO ✓  
LF ✓  
TA ✓

no tail radar. Taken out before flight.

Time correction between radar time and digital time \_\_\_\_\_

## RADAR POSTFLIGHT SUMMARY

NUMBER OF DIGITAL TAPES USED DMTR 1 5  
DMTR 2 4 1 broke

NUMBER OF VIDEO Cassettes TAPES USED 2

SIGNIFICANT RECORDER DOWN TIME (other than for tape changes).

DMTR: LF 5-10 min → because SCR kept crashing  
NO 5-10 min on 3-4 penetrations.  
TA NA

VTR: LF X  
NO X  
TA X

OTHER PROBLEMS: (stabilization, interference, etc.)

intermittent radial spokes on LF display. Alan claims it's from  
noise on the lines. Probably will be on the tapes. Appears to be related to  
DMTR lights still switched. a/c power bursts.  
and DMTR1 lights out. over

tape D2T3 broke in  
a penetration.

about  $\frac{1}{3}$  of a tape of good data  
don't pitch it.

radial spokes of LF went away after  
about half the flight.

LF appeared to have problems.  
were getting lots of sea clutter at  $2.5^\circ$   
elev. and 5000' had to go to  $4^\circ$  tilts most  
of the flight.

Nose looked very good.

# INMIL RADAR TAPE LOG

AUG 8 1980

FLIGHT 800808I

AIRCRAFT 43RF

OPERATOR Marks

SHEET 1 OF 2

| TAPE # | TIME ON | TIME OFF            | SOURCE RADARS |    |    | REWOUND? |    | COMMENTS                                                                                            |
|--------|---------|---------------------|---------------|----|----|----------|----|-----------------------------------------------------------------------------------------------------|
|        |         |                     | NO            | TA | LF | YES      | NO |                                                                                                     |
| DIT1   | 172430  | 182530              | X             |    | X  |          | X  | First sign of rain bands<br>290 nmi out.                                                            |
| UT1    | 182530  | 18206               |               |    |    |          |    | started while counter at 1500' 1760' of 1760                                                        |
| D2T1   | 182636  | 191616              | X             |    | X  |          | X  | 183120 SCR frozen.<br>183214 back up.                                                               |
| DIT2   | 191616  | 201600              | X             |    | X  |          | X  | start of SE leg.                                                                                    |
| D2T2   | 201840  | 204900              | X             |    | X  |          | X  | start of SW leg.<br>2036 SCR down.<br>203930 back up.<br>204020 down again.<br>204112 up again.     |
| DIT3   | 204912  | 21522               | X             |    | X  |          | X  | entering outer rainband<br>heading ESE<br>SCR down 211933<br>SCR up 212520                          |
| D2T3   | 21522   | 220425              | X             |    | X  |          | X  | SCR down at 220425<br>on penetration<br>SCR up at 220602<br>radar tape snapped<br>switching to DIT4 |
| DIT4   | 221045  | 230606              | X             |    | X  |          | X  |                                                                                                     |
| UT2    | 222102  | 22250               |               |    |    |          |    | counter reset to zero<br>start NNE pass<br>SCR down 223530<br>SCR up 224035                         |
|        |         | offset counter to 2 |               |    |    |          |    |                                                                                                     |
|        |         | battery ran out.    |               |    |    |          |    |                                                                                                     |

WE DID NOT  
HAVE A CLOUD  
PHYSICS FOLDER  
ON 800808I THIS  
IS THE LOG ED  
ZIPSER KEPT.

HEN WILLIAMS

# NHEML ~~RADAR~~ TAPE LOG

CLOUD PHYSICS

FLIGHT ~~800808~~ <sup>800808I</sup>

AIRCRAFT 43RF

"OPERATOR", E. ZIPPER SHEET 1 OF

(AS IT WERE)

| TAPE # | TIME ON       | TIME OFF        | SOURCE RADARS |    |    | REWOUND? |    | COMMENTS                                                                                        |
|--------|---------------|-----------------|---------------|----|----|----------|----|-------------------------------------------------------------------------------------------------|
|        |               |                 | NO            | TA | LF | YES      | NO |                                                                                                 |
| 1      | 195400        | 2007            |               |    |    | ✓        |    | Just entering pass outside 1st band.<br>(went to. rewound automatically).                       |
| 2.     | 205925        | 210125          |               |    |    |          |    | Should have entire pass on 020° Track.                                                          |
|        |               |                 |               |    |    |          |    | Started in midst of rainband on 310° Track, 70nm out.                                           |
|        | 211048        | 211404.         |               |    |    | ✓        |    | Just entering 1st band. Track 268.                                                              |
| 3      | 2119 (approx) | 2126 (approx)   |               |    |    |          |    | Just after big jolt entering NW wall.                                                           |
|        |               |                 |               |    |    |          |    | May not be too useful if rest of data system is messed up but it is on the 290° outbound Track. |
| 4      | 215815        | 220132          |               |    |    |          |    | On edge of 1st band, heading for west part of eye wall, Trk 110°                                |
|        | 220455        | 220522          |               |    |    |          |    | (on SW wall)                                                                                    |
| 5      | 223010        | 223320 (approx) |               |    |    |          |    | Northband then sig-looking SW wall                                                              |
|        | 223545        | 223646          |               |    |    |          |    | then mid-looking NW wall<br>Tape ends.                                                          |

SHEET OF

[illegible]

130

AUG 8 1980

SHEET 2 OF 2

[illegible]

13 min.

8/min.



1825  
2206

8  
221  $\overline{) 1760}$   
1768

13.  
8  $\overline{) 102.}$   
22

~~3~~  
180  
41  
221 min.