

IO40909I1

H. IVAN

Radar Scientist

Lighten

The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

Preflight

French Antenna
2400 / 250 pulsewidth

1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
2. Confirm mission and pattern selection from the on-board LPS.
3. Select the operational mode for radar system(s) after consultation with the on-board LPS.
4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.

In-Flight

1. Operate the system(s) as specified in the operator's manual and as directed by the on-board LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.
2. Maintain a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.

Post flight

1. Complete the summary checklists and all other appropriate check lists and forms.
2. Brief the on-board LPS on equipment status and turn in completed forms to the LPS.
3. Hand-carry all radar tapes and arrange delivery as follows:
 - a. Outside of Miami-to the LPS.
 - b. In Miami-to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
4. Debrief at MGOC or the hotel during a deployment.
5. Determine the status of future missions and notify MGOC as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: JOY0909I1

Aircraft Number: N43 rf

Radar Operators: P. Leighton

Radar Technician: T. Lynch / J. Smith

Number of digital magnetic tapes on board: 16(5)

Component Systems Status:

MARS up Computer up

DAT1 up DAT2 up

LF up R/T Serial # ~~102~~ 102

TA up R/T Serial # 202/102

Time correction between radar time and digital time: ←1

Radar Post flight Summary

Number of digital tapes used: DAT1 1

DAT2 _____

Significant down time:

DAT1 _____ Radar LF _____

DAT2 _____ Radar TA _____

Other Problems:

HRD Radar Event Log

Flight 704090511 Aircraft N43RF Operator Leighton Sheet 1 of

LF RPM 2 TA RPM 10

(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

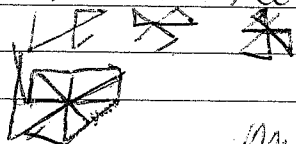
[illegible]

040902I (2)

040903 and 040904 :
~~we~~ had Mike Black
 and Peter Dodge ONLY
 for those two ~~THAT~~ NHC
 tasked flights, incl LANDFALL.
 So we were too busy to write
 in here. Great flights - radar
 seemed to be working well.

040907 H. IVAN
 R. Rogers E. Uhlman & P. Leighton

STAIR - Rotating Figure 4



Mission ID: 0409A IVAN

040909I IVAN

CBLAST

Mission ID: 0409A IVAN

P. Tebeest

P. Silan

Mitchell

FE. Klippel

FD. Sheppard

P. Cury

Nar Siegel

Nar Adler

R. Rogers

E. Uhlman

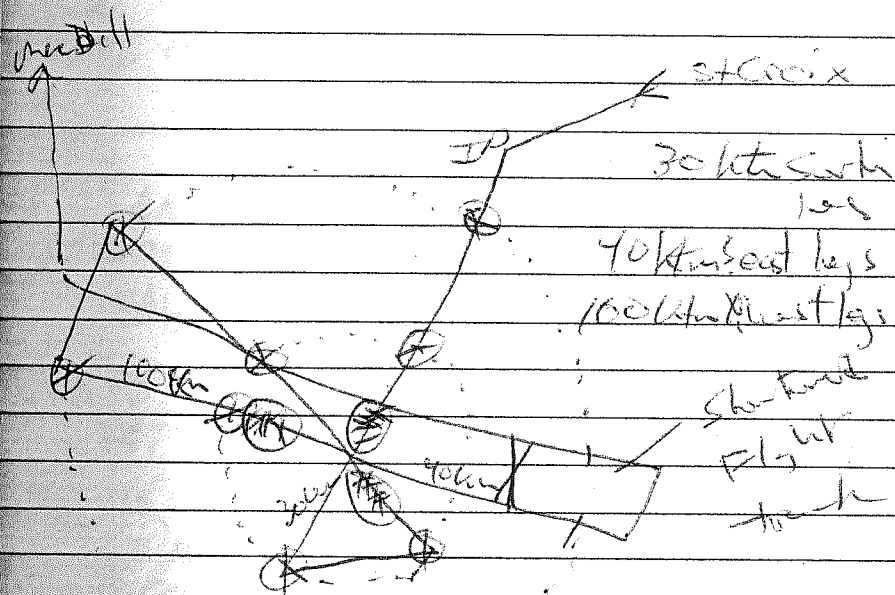
P. Leighton

J. Lissell

E. Uhlman

ET. T. Lynch

ET. T. Smith



Diags @ 34 kts and 64 kts and 1/2 covered
 4 legs squares in eye with out. band legs