

E.5 Radar Scientist

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.)

E.5.1 Preflight

- _____ 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.

E.5.2 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.

E.5.3 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.

SEP 02

HRD Radar Scientist Check List

T/O
1540

Flight ID: 030903H
Aircraft Number: 42 (hence the #)
Radar Operators: Dodge
Radar Technician: Sean McMillan
Number of digital magnetic tapes on board: suffic

Component Systems Status:

MARS _____	Computer _____
DAT1 _____	DAT2 _____
LF _____	R/T Serial # <u>121</u>
TA _____	R/T Serial # <u>123</u>

} SAME
AS
YESTERDAY

Time correction between radar time and digital time: ____

Radar Post flight Summary

Number of digital tapes used: DAT1 _____

DAT2 _____

Significant down time:

DAT1 _____ Radar LF _____

DAT2 _____ Radar TA _____

Other Problems:

today ^{DRIVE 1} was taking itself offline - so
we will use drive 2

2203 - TAIL AFT started looking speckly
Several short LF lockups.

Flight 0309034 Aircraft 42 Operator Dodge Sheet of

LF RPM _____ TA RPM _____

[illegible]

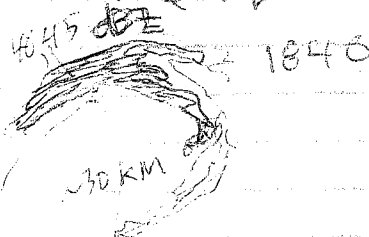
19.
str
19
at
19
na
ba
19
c
26
fo
26
in
20

A
m
LW
2
26
we
26
26

030903H CBLAST
2nd Day in G FABIAN
LPS PChang Drop S Aberson
1/2 Wkstr Dodge Kinitzer: F Marks
1540 T/O
1754 We finished the one
coordinated pass through G, SW
NE and now are maneuvering
for first stepped ascent

183050 S Ring on LF again -
in the stairstep pattern (as FM
pointed out)

1843 aborted NE Quad step: pit
headed back on eye to get to
SE QUAD



191333 finally started pattern
SW of eye ...

2101 - after farting around in eye
etc we ended up due N of storm
~75 mi - where 43 finally found
some clear air (somehow) - so

0000! I started in last years pages

030903H (2)

LO2 400241

LILI

2116 finally see stadium
effect in eye

NEED TO FIX SAVEKPAC SO CAN
SAVE IMAGES WHEN IN SECTOR
MODE (AS PAUL CHANG LIKES TO RUN IT)

2245 FIX FOR VORTEX MESSAGE

22°56', 62°50' 92

2318 Tom took off wedge

during last eyes se 1

(at 1-M sag) more a 2250 (22)

2255 composite and sent to
ADIL.

0012 landed

APC

Kenil Pilot

Tebeest Co P.

WADR KEAS

Sheppard FCT ROR

Newman NAV

Aggett 36

McMillan Radar tech

Brook S.

Peck

Delgado

Bast

McFadden Co. Pemberton

HRD Lighter

Cherry

C. Turner

Oxley?

~~Alfred~~

R. Peter Donaldson

J. Lammartine

McNeal LTJG

Zhang

Lili Vert of Yocan

Verly NW P. (long exp.)

Plum

Multiple legs BT's at end of

legs Combo at inner eye/edges