

19851027SI - RADAR

N42RF
Kohler

OCT 27 1985

JUAN

851027H1

E.4 Radar Scientist (On-Board)

This individual is responsible for data collection from all radar systems on board his or 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.4.1 Preflight

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

E.4.2. In-Flight

- fel 1. Operate system as specified in the operator's manual and as directed by the HRD radar scientist, unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO flight director or aircraft commander.

E.4.3 Postflight

- fel 1. Complete summary checklists and all other appropriate checklists and forms.
- fel 2. Brief on-board LPS on equipment status and turn in completed forms to LPS.
- _____ 3. Hand-carry all radar tapes and arrange delivery as follows:
 - a. Outside of Miami - the HRD operations center.
 - b. In Miami - the HRD/AOML offices.
- _____ 4. Debrief at operations center.
- _____ 5. Determine status of future missions and notify operations center as to where you can be contacted.

Radar Scientist Checklist

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Flight # 851027HI
A. C. # N42RF
Operator Kohler
Radar Tech. Jarvi

Number of digital magnetic tapes on board 18

Number of video tapes on board —

Number of tape labels on board enough

Component systems up and checked:

RDSC ✓

VTR —

Computer ✓

DSC1 ✓

DMTR1 ✓

DSC2 X

DMTR2 ✓

Scopes OK

NO —

LF ✓

TA ✓

3/102

5/101

Time correction between radar time and digital time -1^s

Radar Postflight Summary

Number of digital tapes used DMTR 1 4

DMTR 2 4

Number of video tapes used —

Significant recorder down time (other than for tape changes):

DMTR: LF —

VTR: LF —

NO —

NO —

TA —

TA —

Other problems: (stabilization, interference, etc.)

HRD RADAR TAPE LOG

Tuan

FLIGHT 851027H1

AIRCRAFT *N42RF*

OPERATOR *Kohler*

SHEET / OF 1

[illegible]

NHEML RADAR LOG

851027 H I
OPERATOR KohlerSHEET 1 OF 1

RADAR DOWN-TIME LOG

<u>ITEM</u>	<u>TIME DOWN</u>	<u>TIME UP</u>	<u>PROBLEM</u>
DSC2 DMTRI	entire flight		unit not on board Capstan replaced but problem still exists - <u>binding</u>

ITEM LIST: VTR, DMTRI, DMTR2, COMP, ROSC, LF, NO, TA, DSCI, DSC2