

19840913II-RADAR

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

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

E.4.2. In-Flight

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 Operate system as specified in the operator's manual and as directed by the HRD radar scientist, unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO flight director or aircraft commander.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

- ✓ Kck 1. Complete summary checklists and all other appropriate checklists and forms.
- ✓ Kck 2. Brief on-board LPS on equipment status and turn in completed forms to LPS.
- ✓ Kck 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.

Frank Marless (S)
* Steve Lord (D)
* Bob Kohler
* Joe Griffin
* Neil Darst
Stan Goldenberg
Vic Wiggert

Bob Burpee
Hugh Willoughby
Pete Black
Peter Dodge (D)

Bob Willis
Paul Black

James Franklin
Mark Powell

Radar Scientist Checklist

Flight # 840913 I 1
 A. C. # N43RF
 Operator Kohler / Berkeley
 Radar Tech. Shricker / Goldstein

Number of digital magnetic tapes on board 35
 Number of video tapes on board 2
 Number of tape labels on board enough

Component systems up and checked:

RDSC <u>✓</u>	VTR <u>✓</u>
Computer <u>✓</u>	DSC1 <u>✓</u>
DMTR1 _____	DSC2 <u>✓</u>
DMTR2 _____	Scopes <u>✓</u>
NO <u>✓</u>	
LF <u>✓</u>	
TA <u>✓</u>	

Time correction between radar time and digital time 0^s

Radar Postflight Summary

Number of digital tapes used DMTR 1 2
 DMTR 2 2
 Number of video tapes used 1

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

DMTR: LF _____	VTR: LF _____
NO _____	NO _____
TA _____	TA _____

Other problems: (stabilization, interference, etc.) radar computer died 204401 (we were thru anyway)

840913II

N43RF

SEP 13 1984

OPERATOR Kohler/Berkely

SHEET 1 OF 1

HRD RADAR LOG

RADAR DOWN-TIME LOG

<u>ITEM</u>	<u>TIME DOWN</u>	<u>TIME UP</u>	<u>PROBLEM</u>
None COMP	204401	— —	computer died - stopped working

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

