19851008H1-RADAR

OCT 8 1985
ISABEL
851008H1
N42RF

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

✓ 1. Determine status of equipment and report results to the on-board lead project scientist (LPS).

✓ 2. Confirm mission and pattern selection from on-board LPS.

✓ 3. Select operational mode for radar system after consultation with HRD radar scientist and on-board LPS.

✓ 4. Complete appropriate preflight calibrations and checklists as specified in the radar operator's manual.

E.4.2. In-Flight

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 Operate system as specified in the operator's manual and as directed by the HRD radar scientist, unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO flight director or aircraft commander.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

✓ 1. Complete summary checklists and all other appropriate checklists and forms.

✓ 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.

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Radar Scientist Checklist

Flight # 851008HI

A. C. # 42

Operator B. Kohler, M. Black

Radar Tech. Al Jeri

Number of digital magnetic tapes on board 20

Number of video tapes on board Not used

Number of tape labels on board plenty

Component systems up and checked:

RDSC	✓	VTR	Not used
Computer	✓	DSC1	✓
DMTR1	✓	DSC2	✓
DMTR2	✓	Scopes	—

NO	—	
LF	✓	S/N 102
TA	—	S/N 101

Time correction between radar time and digital time +1^s (fast)

Radar Postflight Summary

Number of digital tapes used DMTR 1 8

DMTR 2 8

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.)

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HRD RADAR TAPE LOG

FLIGHT 85100811 AIRCRAFT 42 OPERATOR B. Kohler M. Black SHEET 1 OF 1

	TAPE #	TIME ON	TIME OFF	SOURCE RADARS NO	TA	LF	REWOUND? YES	NO	COMMENTS
	D1T1	174400	1811 ~~00~~		✓	✓	✓		DT1 - bad capstan motor - maybe intermittent
27	D2T1	1811	183505		✓	✓	✓		
24	D1T2	183505	190047		✓	✓	✓		
25	D2T2	190047	192625		✓	✓	✓		
26	D1T3	192625	195140		✓	✓	✓		
25	D2T3	195140	201710		✓	✓	✓		
26	D1T4	201710	204245		✓	✓	✓		
25	D2T4	204245	210915		✓	✓	✓		
27	D1T5	210915	213420		✓	✓	✓		
25	D2T5	213420	220000		✓	✓	✓		
26	D1T6	220000	222530		✓	✓	✓		
25	D2T6	222530	225050		✓	✓	✓		
25	D1T7	225050	231640		✓	✓	✓		
26	D2T7	231640	234220		✓	✓	✓		
26	D1T8	234220	000800		✓	✓	✓		
	D2T8	000800	001500		✓	✓	✓		Miked turned off MT1 - NONO
	~~D1T9~~				✓	✓			
	~~D2T9~~				✓	✓			
	~~D1T10~~				✓	✓			
	~~D2T10~~				✓	✓			

Form 3-1

ISABEL
NM2AA

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OPERATOR Kohler/M Block

SHEET 1 OF ____

NHEML RADAR LOG

RADAR DOWN-TIME LOG

ITEM	TIME DOWN	TIME UP	PROBLEM
DMTR1	174400		bad capstan drive - fault light on - hope for Reboot.

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