19971012HI-RADAR

E.5 Radar/Airborne Doppler Radar Scientist (On-board)

The on-board Radar Scientist (RS) 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.)

OCT 1 2 1987

MMO 1. Determine the status of equipment and report results to the onboard Lead Project Scientist (LPS).

- NMD 2. Confirm mission and pattern selection from the on-board LPS.
- NMD 3. Select the operational mode for radar system(s) after consultation with the HRD/RS and the on-board LPS.
- NM) 4. Complete the appropriate preflight calibrations and checklists as specified in the radar operator's manual.

E.5.2 In-Flight

E.5.1 Preflight

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NMD 1. Operate the system(s) as specified in the operator's manual and as directed by the HRD/RS unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO/Flight Director or Aircraft Commander.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.5.3 Postflight

- 1. Complete the summary checklists and all other appropriate checklists and forms.
- NMD 2. Brief the on-board LPS on equipment status and turn in completed forms to the LPS.
- NMD 3. Hand-carry all radar tapes and arrange delivery as follows:
 - a. Outside of Miami to the HRD operations center (FGOC).
 - b. In Miami to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO/Flight Director.]
- \sqrt{N} 4. Debrief at the appropriate operations center (FGOC or MGOC).
- 5. Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.

19971012HIL RADAR

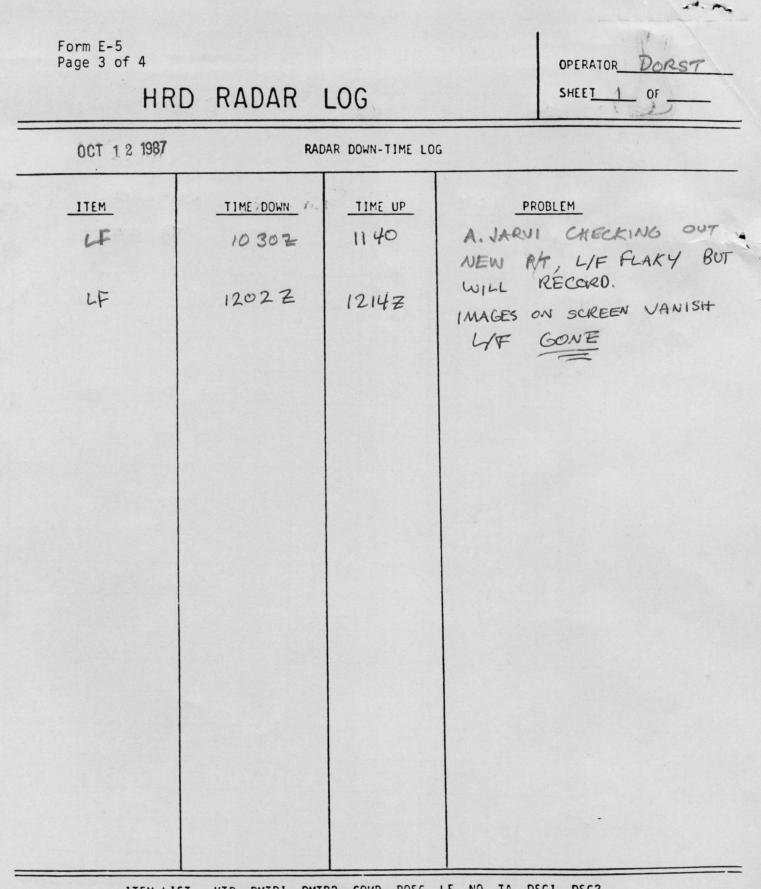
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Form E-5 Page 1 of 4

Radar Scientist Checklist

Flight ID 871012 H1
Aircraft #N42RF
Operators
Radar Tech JARVI
Number of digital magnetic tapes on-board 24
Number of tape labels on-board +
Component systems up and checked:
RDSC DSC1
Computer DSC2
DMTR1 DMTR2
LF
TA R/T#OY
Time correction between radar time and digital time +2 sec
Radar Postflight Summary
Number of digital tapes used DMTR 14
DMTR 23
Significant recorder downtime:
DMTR 1 OK Radar LF ALL FUIGHT
DMTR 2 OK Radar TA OK
Other problems: OCT 12 198

Form E-5 Page 2 of 4 HRD RADAR TAPE LOG						
FLIGHT 871012H] AIRCRAFT 42 OPERATOR DORST SHEET OF						
Tape #	Time On	Time Off	Source TA	Radar LF	Comments OCT 1 2 1987	
D1/T1	1140	1154	V	~	YF QUESTIONABLE	
D_2/T_1	1154	1255	\checkmark		1217Z ON TA ONLY	
DIJTY	1255	1407	V			
D2/T2	1407	1521	/			
01/73	1521	1637	~			
D2/T3	1637	17 53	/			
DI/TH	1753	1833	V		NO EOF ON TAPE	
,						
		1 Station				



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