19911016II-RADAR

E.5 Doppler Radar Scientist (On-Board)

The on-board Doppler radar scientist (DRS) is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and check lists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

E.5.1 Preflight

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

E.5.3 Postflight

- Complete the summary check lists 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.
- 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 AOC flight director.]
- 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.

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Doppler Radar Scientist Check List					
	Aircraft # Operators				
	nent systems up and checked:				
Time co	MARS DMTR1 LF TA prrection between radar time and	Computer			
	Radar Postfli	ght Summary			
Number of digital tapes used: DMTR1 DMTR2					
Significa	ant down time:				
	DMTR 1 DMTR 2	Radar LF Radar TA			
Other p	roblems:				

ASASA INSTRACT

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HRD Radar Tape Log FABIAN

Flight 9/10/65 Aircraft 43RE Operator BLACK Sheet 1 of

[Tape #	Time On (HHMMSS)	Time Off (HHMMSS)	Comments
1-1	1	02+1200	0140500	
7-1	2	ALOSW	0541	every 4 LF, every 2 TA TA sweep every 188.
1-2	3	054100	681000	LF sweep every 2 min
2-2	H	08/000	093000	only aft sweeps on tape !??
	(0907
1.1				
-				FILAR
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				lot of lightning
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				0406-6541 0542-0810
				0542-0810
1.00				
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		3		

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nno nauai Dowii-Time Log	HRD	Radar	Down-Time	Loc
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Operator _

Sheet ____ of ____

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
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Item List: DMTR1, DMTR2, COMP, MARS, LF, TA.