19900930II-RADAR Cloud cluster

SEP 3 0 1990

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

2.

3.

- 1. 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.
- 4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.

E.5.2 In-Flight

1. 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

- 1. Complete the summary check lists and all other appropriate check lists and forms.
- Brief the on-board LPS on equipment status and turn in completed forms to the LPS. 2.
- 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 AOC flight director.]
- 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.

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DAK	Pr Sa		1.1.	0	Jac Su	m	18	10
	1.1	1000 8	8 other		mer ?		133	÷

Doppler Radar Scientist Check List

1	Flight ID	900930I				
	Aircraft #	43RF				
	Operators	Marks / Burpee				
	Radar Tech. Lynch					
Number o	of digital mag	netic tapes on board	1 212			
			-			
Number of tape labels on board Component systems up and checked:						
		2m	Computer	Am		
	MARS	Im	Computer	314		
	DMTR1	Mile	DMTR2	103 MA		
	LF	The	R/T#	and and		
	та	0.00.	R/T#			
Time cor	rection betwe	en radar time and c	digital time			
Radar Postflight Summary						
Number (of digital tape	s used.	DMTR1	Ц		
Number of digital tapes used:			DMTR2	3		
Significan	at down time:			1.		
Significant down time: DMTR 1 204655-205610 Badar LE hour						
	DMTR 1 2046	55-205610	Radar LF	hou		
	DMTR 2	none	Radar TA	none		
Other problems:						
Other problems: TA veflectivity seems low Check Tape 2-3 to compare with LF						
Check Tape 2-3 to compare with					-	
		LF		·		

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Form E-5

Page 3 of 3 HRD Radar Down-Time Log

Operator Maules/Burper Sheet ____ of ___

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
+-+			none
Coloring Colores		1000	
	100		

Item List: DMTR1, DMTR2, COMP, MARS, LF, TA.

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HRD Radar Tape Log

Flight 9009 30 I Aircraft 43RE Operator MARKS Sheet 1 of 1

Г		Time On	Time Off	
	Tape #	(HHMMSS)		Comments (see Radar Note Gook)
[1-1	163745	174416	Comments (see Radar 164250 FAST I 18,3° offand ON see log just Sof Wendog Cuba Times
	2-1	174417	183655	just Sof Wendoz Cuba Innes
Angels.	1-2	184030	~195130	
. 7.	2-2	~195130	204655	MD #1 was on line (supposed to happy adtondy
best for	> 1-3		215404	all FAST (good Gand restanted actored
Endly	2-3 (12232 9	with wrong drive.
Bar	1-4	~2232	234010	This wat circ. off at end of patter
				Wor Cuba, East of Cancen Climbing out
				Clinebing out
			1917	
1.00				