E.5 Radar Scientist

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.S.1 EP	Preflight					
APPENTSP	 Determine the status of equipment and report results to the on-board lead project scientist (LPS). 					
1	2. Confirm mission and pattern selection from the on-board LPS.					
MENCIZ	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. 					
E.5.2	In-Flight					
	 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. 					
-	2. Maintain a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.					
E.5.3	Post flight					
	1. 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.					
1	3. Hand-carry all radar tapes and arrange delivery as follows:					
	 a. Outside of Miami - to the LPS. 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 MGOC or the hotel during a deployment.					
	5. Determine the status of future missions and notify MGOC as to where you can be contacted.					

HRD Radar Down-Time Log

Flight	Aircraft	Operator	Sheet of
Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
	1545		DOPPLEK VELOCITIES LOK
			UNCORROLATED MAY
			ALTUALLY ZE SECONDTRIP
		ej kompletation and the second	BECAUSE SURFACE LOOKS OK
	1556		LOW REPLECTIVITY NOUSE
			RINGS (INTERPERENCE)
	160130		754
-10	\$ 1607 UK		HERTHIC SOUTH O
14 10 10 10 10	161099		Consignation of Copyris (Copyris Copyris)
	el do los es	g again water was	and left in constraint business to
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1.0000000000000000000000000000000000000	Selection of the second		
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		a suct a Asim(a canalla)	

Item List: DAT1, DAT2, COMP, MARS, LF, TA.

Include serial numbers of any new R/Ts.

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			HRD Radar Tape Log	
Flight .	030819A	Aircraft 42	Operator Amount Sheet of	_
		LF RPM	2 TA RPM 10	

(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

Tape #	F/AST On?	Event Time (HHMMSS)	An An Anna Zana Anna Event
		152035	RADAR UP
152040			NOTICED RECORDING HAS
			STARTED 2400 PRIE LF STOPPED UPDATING
1711??			LF STOPPED UPDATING
1718/6			SYS REBOUT
171945			RECOLDING RESTARTED
172040			P. CHANG MANEUVER 200 A
			BACKER PORTH
18104		100 MJ 12 Mg 1	LF FROLEN RESTARTSY)
182040			RECORD BACK ON
N1840			PLAYED WITH PRF
			FINALLY SET TO 2160/1400
			JUST TO LOOK AT IT
185040			END RECORDING

HRD Radar Scientist Check List

	The Hadar Scientist Sheek Eist				
Flight ID: <u>030</u>	0819 H				
Aircraft Number:	Aircraft Number: N92RC				
Doppler Radar	Doppler Radar Operators: 64MACHE				
Radar Technicia	Radar Technician: SBAN MEMILLAN				
Number of digit	Number of digital magnetic tapes on board: HO LDS THE W				
Component Systems Status:	Computer				
DAT1	DAT2				
LF	R/T Serial #				
TA	B/T Serial # 123				
Time c	orrection between radar time and digital time: RADAP CWCK IS 1/2/ec Radar Post flight Summary 1 on tex (ahead)				
Radar Post flight Summary later (ahead)					
Number of digital tapes used:	DAT1				
	DAT2				
Significant down time:					
DAT1	Radar LF				
DAT2	Radar TA				
Other Problems:					