E.5 Radar Scientist

The on-board radar scientist 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.)

E.5.1	Prefi	light		
	1.	Determine the status of equipment and report results to the on-board lead project scientist (LPS).		
	2.	Confirm mission and pattern selection from the on-board LPS.		
	3.	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.		
	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 fli	ight		
	1.	Complete the summary checklists 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.		
	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.		

Other Problems:

HRD Radar Scientist Check List Flight ID: _____ 070921 h Aircraft Number: 42 Radar Operators: J. Bamacke K. Valde Radar Technician: S. McMulten Number of digital magnetic tapes on board: _____ Component Systems Status: MARS _____ Computer ____ DAT1_____ DAT2____ LF _____ R/T Serial # ____ TA ______ R/T Serial # ____ Time correction between radar time and digital time: ____

Radar Post flight Summary

DAT1
Radar LF
Radar TA

	070921H HRD R	adar	Down-Time Log		
Flight _	NAME Aircraft 46)	Operator	Sheet	of

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
		116 -11-	
		301	
		- T	
TAR SHE			
		74 7 14	
THE PERSON NAMED IN			
o vincent		Burn A	
	761	A CONTRACTOR	
	VETTI	17165	
av mil	7 194	DUAL DE NO.	

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

Include serial numbers of any new R/Ts.

HRD Rad	dar Tape Log
Flight 070921H Aircraft 42	Operator GAMACHE/Sheet of
LF RPM 2	TA RPM

(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)	Event
DRI	VES	1312	START RECORDING
		132149	RESET
		132330	RECORDING BACKON
			6 NOT QUOD BUT NEAR 2936 8535
			WILLUSE 300 12KHS
			WILL USE A FALSE
			CENTER TO MAXIMIZE
1457			CONFRAGE WHILE MINIME REJOLUTION
			CONNER 85 35 NE CORNOR
			2957'84'2'
			30 2830 94°50° 121075 315
			267 1435
	(6)		132754 145517
	1554		"FLAGGING RAY" QC COMING
			ON A 607.
		1 1	28° 84° 25' 1520 28 85° 20' 210
			9 1730 29°39′86°2′
			REMEMBER THEDETIMES/JOBFILE
			AND COMPARE Bja with ja ts
19004			RADARIS DOWN
1907			29°57' 86'18'
2032			29°57' 86 18
			32 4 7 As

2125 END RADAR RECORDING