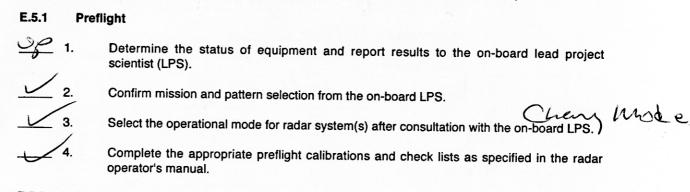
E.5 Radar Scientist

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.5.2 In-Flight 1. 0

2.

Operate the system(s) as specified in the operator's manual and as directed by the onboard LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.

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 checklists and all other appropriate check lists and forms.

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 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.]

Debrief at MGOC or the hotel during a deployment.

Determine the status of future missions and notify MGOC as to where you can be contacted.

TA

Significant down time:

Other Problems:

HRD Radar Scientist Check List Flight ID: <u>T03091241</u> Aircraft Number: Radar Operators: _ Radar Technician: Number of digital magnetic tapes on board: _ Component Systems Status: MARS Open Computer R/T Serial # LF/Z/ Time correction between radar time and digital time: ___ reset dute **Radar Post flight Summary** Number of digital tapes used: DAT1 _____ DAT2

-121-

DAT1 _____ Radar LF ____

DAT2 _____ Radar TA _____

H	R	D	Ra	dar	Ta	pe	Log

Flight 10309/24/A	ircraft 1/2	Operator <u></u>	erghlon	Sheet _	_ of	
Flight 10309/24/A	2.0	TA RPM _	10	_ 7	French	Ankum

(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	
150	/	151900	French Antenn That of Bai	mX
1885	/	155000	Respt to Houral	,
/	/	1607	Reset to Hours	
	,			
		1702	ost of Sector mide	
	•			
		1722	wedge in	
	,	1745		
		3	vedge in	
		1845	utrole sector	
		1915	uedge in	
			•	
		20 (8	rader lock of	
		2020	Doudge	
		2025	udge on	
		2037	Rendar Cochip	
		2050	uedge off.	
		2107	redge on	
		N2150	Litled fail	
		2253	Kitled LF	

no-ous

HRD Radar Down-Time Log

Flight 10809124) Aircraft 42 Operator Legit to-Sheet 1 of

item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
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3 1116	2017	20 20	Roide dem
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		Y 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	74.		

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

Include serial numbers of any new R/Ts.