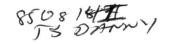
## 19850814II\_ RADAR

E.4 Radar Scientist (On-Board)



This individual is responsible for data collection from all radar systems on board his or 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.4.1	Prefl	ight
1	1.	Determine status of equipment and report results to the on-board
		lead project scientist (LPS).
	_ 2.	Confirm mission and pattern selection from on-board LPS.
	_ 3.	Select operational mode for radar system after consultation with
/		HRD radar scientist and on-board LPS.
_\_	_ 4.	Complete appropriate preflight calibrations and checklists as
		specified in the radar operator's manual.
E.4.2.	In-F	light
	1.	Operate system as specified in the operator's manual and as
		directed by the HRD radar scientist, unless superseded by
		directions from the on-board LPS or as required for aircraft
		safety as determined by the OAO flight director or aircraft
		commander.
E.4.3	Postf	light
	_ 1.	Complete summary checklists and all other appropriate checklists
		and forms.
	_ 2.	Brief on-board LPS on equipment status and turn in completed
		forms to LPS.
	_ 3.	Hand-carry all radar tapes and arrange delivery as follows:
		a. Outside of Miami - the HRD operations center.
		b. In Miami - the HRD/AOML offices.
	_ 4.	Debrief at operations center.
	_ 5.	Determine status of future missions and notify operations center
		as to where you can be contacted.

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## Radar Scientist Checklist

of frame for me Flight #	850814	MI	$\mathcal{I}$	S DAN	WY	
	143 RF	-				
Operator	Kohler /	'homae	he			
Radar Tech.	Al Jarv	; / Bob	Ber	les		
Number of digital magne		/		19		
Number of video tapes o	n board		Z	_		
Number of tape labels o		ono	ug h			
Component systems up an	d checked:					
RDSC		VTR		V		
Computer /	7	DSCI			-	
DMTR1	/	DSC2			•	
DMTR2		Scor	-	/	-	
	NO				-	
	LF				* * * * * * * * * * * * * * * * * * *	
	TA					
Time correction between	_	and digital	time	-15	ec	
Time correction between						
	Radar Post	tflight Summ	ary	2		
Number of digital tapes	used	DMTR 1 _				
		DMTR 2		1		
Number of video tapes u	sed		t			
Significant recorder do	wn time (othe	er than for	tape cha	anges):		
DMTR: LF			VTR:			
NO	1					
TA DOW					nter fer	

Form E-4 Page 2 of 4 HRD RADAR TAPE LOG FLIGHT 8 508 14 TE AIRCRAFT NY 3RF OPERATOR Koller Comake SHEET / OF SOURCE RADARS REWOUND? TIME OFF COMMENTS TIME ON TAPE # 1425 DITT 1700 Noise (possible RT on Rodor Tinge) D271 1700 VCR 1 142501 1751 read 1983 When stopped VCRZ DITZ 193625

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HRD RADAR LOG

	AUG 1 4 1985
	AUG 1 4 1985
1	8 TORIYI TS DANNY
	OPERATOR Kehle Kromache
١	SHEET OF

RADAR DOWN-TIME LOG

TA	TIME DOWN entire flight	TIME UP	not operational						
			*						
				_					