E.5 Doppler Radar Scientist (On-Board)

AUG # 2 1991

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	Prefligh	ıt.			
_/	1.	 Determine the status of equipment and report results to the on-board lead p scientist (LPS). 			
_/	_ 2.	Confirm mission and pattern selection from the on-board LPS.			
	<u></u>	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 operator's manual.				
	la Filab				
E.5.2	In-Fligh				
	_ 1.	Operate the system(s) as specified in the operator's manual and as directed by to on-board LPS or as required for aircraft safety as determined by the AOC flight direct or aircraft commander.			
E.5.3	Postflig	ht			
_ v	_ 1.	Complete the summary check lists and all other appropriate check lists and forms.			
V	_ 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 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.			

Doppler Radar Scientist Check List

Flight ID _	910	802HI	- / *			
Aircraft #	N 4.	2RF				
Operators _	4					
Radar Tech	Radar Tech. LEYVA					
Number of digital magne	tic tapes on boa	rd	26			
Number of tape labels of						
Component systems up						
MARS	/	Computer		AUG 0 2 1991		
DMTR1	/	DMTR2				
LF		R/T#	SAME			
TA	V	R/T#	SAME			
Time correction between	radar time and	digital time	+1 sea			
	Radar Postfli	ght Summa	ry			
Number of digital tapes	used:	DMTR1	5			
		DMTR2	5			
Significant down time:						
DMTR 1		Radar LF				
DMTR 2		Radar TA				
Other problems:						

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HRD Radar Down-Time Log

Operator CAMACHE DIRST Sheet __ of __

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
LF R/T	231500	0 74200	intermitant shop outs
		a de	
		1	

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

HRD Radar Tape Log

Flight 910802+11 Aircraft ____ 42 RF Operator ____ Sheet_1 of 1___

Tape #	Time On (HHMMSS)	Time Off (HHMMSS)	Comments
DITI	234800	00 49 29	
D271	004929	015726	
D112	015720	024815	
D272	024815	633347	
DIT3	033347	041600	
D273	041600	050419	
D174		054338	
D2T4	054338		
DITS	062513	070702	
D2T5	070702	074200	
- 1999			
			*

910802HI- 10PS/1 wto I wave #26 - LPS-DRKEMMANUEL, P. BLACK Radar - J Gamache, N Dorst T/O ACA 23:01 Z, LAND ACA 08:102 23:18- Ladar System up & running but LF R/T dropping of occasionally. 23:48:00 Recording started Silim Layra reports the LFR/T is

Slaky of intermitant radials dropping out. He will replace R/Ts of it becomes a problem 23:56 - begin our decent to 700mb 24:01 - at 700 mb 1P \$ its not 1/2 over! John 6 charachter-TES the rader return as "dog food" as it's sorta mushing all over, not any organization, Kada you bupt but no major fur bulonce 04:07- Thra a gust front u/ some Straking. Most origination were seen 04:12-Oclescend to - 1000 04:20 down in PBL at 300m 04:382 - back thru the "squall" line Ob: 107- begin climb to -300mb 06:23 7- at 500 mb, crossing conter of Circulation 06: 40 Z- OrPB claims were seeing Spiral bands on Ltradar. 06:54 2 - Tungor ACA. 07:427- Stopped recording, the the system goes belly up (?)