19910728HI_RADAR

E.5 Doppler Radar Scientist (On-Board)

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	IT.				
	_ 1.	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.				
	_ 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 raoperator's manual.				
E.5.2	In-Fligh	nt				
	_ 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.				
E.5.3	Postflig	ht				
/	1.					
	- '	Complete the summary check lists and all other appropriate check lists and forms.				
	2.	Complete the summary check lists and all other appropriate check lists and forms. Brief the on-board LPS on equipment status and turn in completed forms to the LPS.				
/						
	2.	Brief the on-board LPS on equipment status and turn in completed forms to the LPS.				
	2.	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 HRD operations center (FGOC). b. In Miami – to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by				

Doppler Radar Scientist Check List

Flight ID	10728HI	
Aircraft #	N42RF	
Operators <u>GAMA</u>	CHE / DORST	
		2 8 1991
Number of digital magnetic tapes or	board 22	
Number of tape labels on board	25	
Component systems up and checke	ed:	
MARS	Computer	
DMTR1	DMTR2	
LF	R/T# 124	
TA	R/T# 202	
Time correction between radar time	and digital time	
Radar P	ostflight Summary	
Number of digital tapes used:	DMTR1	
Significant down time:		
DMTR 1	Radar LF	
DMTR 2	Radar TA	
Other problems: SYSTEM CRASH, Dow	IN FOR ~20 MIN. DUE TO	
MISIDAN ON FAULTY TO	THE (DRIVE Z)	

HRD Radar Tape Log

Flight 910728HI Aircraft 42RF Operator DORST Sheet of

Tape #	Time On (HHMMSS)	Time Off (HHMMSS)	Comments
DITI	204945	212757	IN FAST Mode 18°
D2 TI	212757	215830	
DIT2	215830	22 37 13	
D2T2	22 3713	232812	
DIT3	23 28 12	000218	
D273	000218	00 34 44	
DITH	003444	010753	
D274	-011140-	014930	TAPE MISLOAD 3MW GAP SINCE DITY
DITS	014930	022531	
DITG	025200	033130	RADAR SYSTEM DOWN
D2TG	033130	040230	LAST TAPE
	- 13		

THERE IS NO TAPE DZTS BECAUSE OF SYSTEM CRASH.

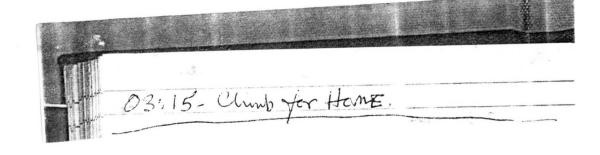
HRD Radar Down-Time Log

JUL 2 8 1991

Operator GAMACHE DORST Sheet ___ of ___

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
COMPUTER	023148	025200	PROGRAM STOPPED ON TAPE CHANGE. RESTART
		7 7 7 8 8 8	
	1.00		
	*		
u+			
	*	*	

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



910728HI TEXMEX IOP4/ TEXMEX experiment into TW#24 LPS- K. EMMANUEL, HRO SCI - P. BLACK, JOANACHE, N. POR T/O-ACA 2016 7 LAND-ACA 0530-Z MUDE DATA SYSTEM BUG PRIOR TO. 2025 7 the radar System is Started ACK. 20:45 - Begin radar recording. 10 58: Perord Sel Sweep: TRT-30, 21:08, 21:20,21:31, 21:41,21:46, 22:03, 2:33, 23:10, 23:25, 00:14,0:05 JOHNG TRACING RADAR ON TRANSPARENCY FOR LATTER USE. 01:07- MISCOAD ON DITY LOST BAINS OF DATA AT START. 02:52- RADAR SYSTEM WENT DOWN WHEN BAD TAPE MISCOADED & HUNGEP SYSTEM, SALIM REBOTTED COMPUTER, N30 MIN LOST