1993082911-RADAR

AUG 2 9 1993

AUG 2 9 1953

E.5 Doppler Radar Scientist (On-Board)

930829I

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 Preflight

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- 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

 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 Postflight

- 1. Complete the summary check lists 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 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.





Form E-5 Page 1 of 3 AUG 2 0 1002

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Page 1 of 3	Doppler Radar Sc	ientist Checl	AUG 2 9 1993 < List			
Flight ID	930829I					
Aircraft #	43RF					
Operators	Marks					
Radar Tech.	Lynch					
Number of digital mag	netic tapes on boa	rd20				
Number of tape labels	on board	720				
Component systems u	p and checked:					
MARS	1	Computer .	9			
DMTR1	4	DMTR2	1			
LF	1	R/T# .	124			
ТА	1	R/T# .	201			
Time correction between radar time and digital time						
	Radar Postfli	ight Summary	Y			
Number of digital take	s used:	DMTR1	2			
		DMTR2	2			
Significant down time:						
DMTR 1		Radar LF				
DMTR 2		Radar TA				
Other problems:						
Story						

Ref.

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Form	E-5	Con	
Page	2 of	3 0 1	
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HRD Radar Tape Log



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Flight 930829I Aircraft 43RF Operator Marks Sheet

Tape #	Time On (HHMMSS)	Time Off (HHMMSS)	Comments
1-1	191530	9036	TKN NE OFTRKF possible Frankel Ga
			alread. FRACON MITA
2-1	12036	2126	2134 switch TA to SQT thread.
			to better pickup anvil
			no sign of bad vange gate
			today
1-2	2126	0027	tK N paint NE
2-2	0027	022138	point HAF and Florida
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and the second			
		and the second	
	26.7.2		
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Form E-5 Page 3 of 3 HRD Radar Down-Time Log 9308 29.8

Operator _____Marles

Sheet ____ of ____

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
		•	
			•

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