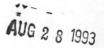


1993082811_RADAR



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 Preflight

Determine the status of equipment and report results to the on-board lead project scientist (LPS).
Confirm mission and pattern selection from the on-board LPS.
Select the operational mode for radar system(s) after consultation with the on-board LPS.
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

- 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.
- 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.]
- 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.



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		Doppler	Radar	Scientist	Check	List
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Flight ID	930828I	
Aircraft #		
	<u>43RF</u> Marks	
Operators	Goldstein	
Radar Tech.		
Number of digital magn		10
Number of tape labels	on board > 30	
Component systems up	and checked:	^
MARS	Computer	9
DMTR1	DMTR2	-1
LF	1	124
 TA	↑ B/T#	201
		e Augura a
Time correction betwee	en radar time and digital time	(5
	Radar Postflight Summary	1
Number of digital tapes		,
Number of digital tapes	used: DMTR1	/
		' <u>4</u> 3
Number of digital tapes Significant down time:	used: DMTR1	<u>4</u> <u>3</u>
Significant down time:	used: DMTR1	4 <u>3</u> none
Significant down time:	used: DMTR1 . DMTR2 .	<u>4</u> <u>3</u>
Significant down time: DMTR 1 DMTR 2 Other problems:	used: DMTR1 DMTR2 DMTR2 Mone Radar LF Radar TA Radar TA	4 3 none none

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HRD Radar Tape Log

Flight <u>9308281</u> Aircraft <u>43RF</u> Operator <u>Marks</u> Sheet <u>1</u> of ____

Tape #	Time On (HHMMSS)	Time Off (HHMMSS)	Comments
1-1	181615	4903	vight affer TO part land out
			· F/A LOAN 517-20
2-1	4903	1934	190416 CON
1-2	1935	2008	in Fizy FA Cow downwill
			194835 CON TK 270
2-2	2008.	2048	at end of more Fing U
		200	930 turn to WNW FR/CON +
			Nice Scatterers!!!
			2019 Start seen, range gate
			Noise at the transition between
ň			75 m and 150 m gates (#256-257)
			me gate or so wide (extra range m
1-3	2048	214848FA	
			have bad range gate
			Alter
1-3	214850	2223	
1-)	2170.00	nus	220145 FACON downwind
			107.00
	2000	5211201	
1-4	2223	231428	CON on inbound leg

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HRD Radar Down-Time Log

Operator Mailis

Sheet _/ of ____

ltem	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
en her en en en en page	- 1912 A.12		
1000			
		1.756	
	120822		
	1.1.1.1.1.1		

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