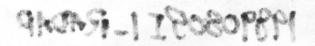
19890809II-RADAP

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	Premign	·
	1.	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 HRD/DRS and 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-Fligh	ıt
	. 1.	Operate the system(s) as specified in the operator's manual and as directed by the HRD/DRS, unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO flight director or aircraft commander.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.5.3	Postflig	ht
	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 OAO 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.



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Doppler Radar Scientist Check List

Flight ID	89080511	_
Aircraft #	N43RF	
Operators	GAMACHE	
Radar Tech	SCHRICKER/LYNCH	_
Number of digital magnetic	c tapes on board 40	
Number of tape labels on		
Component systems up ar		
MARS	Computer	<u> </u>
DMTR1	DMTR2	<u> </u>
LF	R/T#	
TA	R/T# S/N 204	
Time correction between r	radar time and digital time Radar C	lock ahead of Aircraft de
	Radar Postflight Summary	
Number of digital tapes us	sed: DMTR13	
	DMTR23	
Significant recorder down	time:	
DMTR 1	Radar LF 1915-1	953) Actuelly:
DMTR 2	Radar LF 1915-19	50 Dala
Other problems:		o system

Flight 89080511 Aircraft N43RF Operator Gamache Sheet of 1

	1970		
Tape #	Time On	Time Off	Comments
1-1	1408	1522	Problem at Regioning of top the incommence
2-1	\$c.152)	1630	
1-2	1630	1746?	
2-2	1796?	1819	
B-1-3	1819	1914	At 1914 Rodar data system drun. Not updating vador, Upat 1928 Tope 1-3 ends at 1935.
2-3	1954	2120	Not undahing vador, upat 1928
01-4			Type 1-3 ends at 1935.
C			
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HRD Radar Down-Time Log

Operator	Gamache	Sheet of/
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Item	Time Down	Time Up	Problem
l	1915	1950	RADAR DATA SYSTEM PROBLEM TRIPPED ACINCUIT BREAKER
(4) S. V.			
		Project Control	
		*	

Item List: DMTR1, DMTR2, COMP, RDSC, LF, TA, DSC1, DSC2.