E.5 Radar Scientist

The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

E.5.1	Prefi	ight
	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 on-board LPS.
	4.	Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.
E.5.2	In-FligI	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.
	2.	Maintain a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.
E.5.3	Post fli	ght
	1.	Complete the summary checklists 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 LPS. 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 MGOC or the hotel during a deployment.
	5.	Determine the status of future missions and notify MGOC as to where you can be contacted.

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	Flight ID: 030902 H
	Aircraft Number: 42
	Radar Operators: Manks, Dodgo Abox & on
	Radar Technician: S. M. Millau
	Number of digital magnetic tapes on board:
Component Systems St	
MARS	
	DAT2
	R/T Serial # 12
TA	R/T Serial # 123
	Time correction between radar time and digital time:
	Radar Post flight Summary
Number of digital tapes	used: DAT1
DAT2	
Significant down time:	
DAT1	Radar LF
DAT2	Radar TA
Other Problems:	
LR france	several Liver & wickly reset
1 Com M	House of much as to a to a to
200 - 2RUI	several times, à wickly reset However maybe 10 monute 9 ap
	1 1 2 (1) 10 de 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
a commed w	p) contains data from todays
is a VERBAT	in tape, notizione of our MAXECCOS.
2025	LF RING THERE

	Н	IRD Radar Tape Log	
Flight _	30962H Aircraft	42 Operator Dodge	Sheet of
	LF RPM	TA RPM	

(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

Tape #	F/AST On?	Event Time (HHMMSS)	Event
1	Franch	15376	3? Don't know when
	237?	OFF	37 Doa't know when
			tape stopped
		2020	PRF-> 2100
		2104	Wedge that LWRAP
		2234	10 min gap?
			9 /

Form E-5 Page 3 of 3 SEE GREEN BOOK

HRD Radar Down-Time Log

Flight 030902 Aircraft 47 Operator Dodge Sheet of	Flight_	03 0902 HAircraft	42 Operator	Dodge	_Sheet of	
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Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem

Item List: DAT1, DAT2, COMP, MARS, LF, and TA.

Include serial numbers of any new R/Ts.

030902H (9) FABIAN St CBLAST: LPS P Chang, Souchs: S.A. LF Marks BT: KEnninel Whatnete D. Dadge 1439 taxing out 145 5515 T/o from St- Crotos 1537 radius up and recording 20 1609: heading 45° then 1947 39°48 we eveturilly 161109 IP, furning 100 Km from conder 1616-good time to start CHASOK 1703 the evil LF reng AF FIX 1718 1740,50-55002 20°29 60° 44 948 mb, 1822 Sent 1730-1813 LF 11 composito & NHC/HRD 18 43 1 Die AVARS system thally the repaired - Go

0309024 (3) will do the NW eye wall, 1852 well we will directing still, now waiting for AF to destr the eye - AND 43 has to report their AVAPS 1900 IT COULD be an amazing Deppler data set, considering har long we have correled (~ 2 H) 1911 radous down 1912 back up 1913 Rec stort again 193 50,55 JBE This Northern part of the exemall seemed to have these asymethic struck for over an 2020 Changed PRF to 2100 1. Change PW to 375 2. Change PRF 1 using TRACRIPALL

2104: Wedge put in LF for helping INPAP (actually gets rid of bottwings on long torne composites).

030902H (3) 19. 2117 Le down, 2119 WA Sta Egewall (RB! hus 19 SOKM Sprival struct at 19 1 ba 2207; turn to head through NE exemal 26 fo 2215 shape to egentall like of 26 20 A 2234 : LE down M There where several priestable franciscos hesets that briefly LV note. One may have caused a 20 he 21 0006 knowed. 21

D30904 H LAST COLLAST Phight into Fabron "IPS". PCHANG SONDESISAMPATRUES LASS KIBITZER/HAD LAS FORM FILER! F MARKS ZWKSTN: Dedge 1713 T/O from St Coix

2001 - airching in eye. 3 of our AVAPS chamels down on Systiz - and 4300 AVAPS down also!