19920925H1_RADAR

SEP 2 5 1992

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.
 - 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.
- 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

19920925H1_TRADAD

Flight ID	920925H:	1			
Aircraft #	42				
Operators	Dodge, Birper				
Radar Tech.	Neal Rains,	Jim Ro.	les		
Number of digital magne	etic tapes on boar	d_16 [s	olo.')		
Number of tape labels of	on board enoug	h '			
Component systems up	and checked:				
MARS	~	Computer			
DMTR1		DMTR2	NOT WORKING		
LF	<u> </u>	R/T#	124 (103 spare)		
ТА		B /T#	204 (101 spare)		
Time correction betwee	n radar time and c	digital time			
	Radar Postflig	ght Summa	ry		
Number of digital tapes	Number of digital tapes used: DMTR1				
		DMTR2	Ø		
Significant down time:					
DMTR 1	a di san di sa	Radar LF	NO		
DMTR 2 - Not	worleing	Radar TA	Yes		
Other problems:					
SEE GREEN BOOK concerning TAIL Noise					
TAIL Notice					

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HRD Radar Tape Log

SEP. 25 1992

Flight <u>920925H</u>Aircraft <u>42</u> Operator <u>Do Jae</u>, <u>Burgee</u> Sheet _____ of _____ Time On Time Off Tape # (HHMMSS) (HHMMSS) Comments LESKIPZ TASKIP1 LETHRESH 2.5 191540 4+ 182220 1-1 190419 195019 190726 1-7 195559 FLAST ON 201714 FLAST of 204830 195506 -3 205718 F/AST 2109 046 ON 1-4 2051 21105 1-5 2/1234 21452 215152 F/AST ON 221858 FLAST of 2220 214845 1-6 FIAST on 2301 230313 222240 1-7 F/AST BB 2315 234700 1-8 230624 2350 10 0026 1-9 Tail died, JR &NR took sys. Jown to fip. 0042 1-00 002828 LF only until 010 40 then back TOP0112 605511 1-11

92092541

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HRD Radar Down-Time Log

SEP 25 1992

Operator Dodge, Burpee Sheet _____ of _____

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
TATE	0011		died. NR&TR replaced with #101
		0021	
TA Tr	0034	110	spoky theat this one died to
whole	112		down for vest of thight.
	1		
<u></u>			

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

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TINA 920925J

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

- ______ 1. ______ 2.
- 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.
- 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

- 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 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.

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Doppier Radar Scientist Che	CK LIST
Flight ID <u>92052571</u> Aircraft # <u>43 RF</u> Operators <u>Leighton</u> Radar Tech. <u>AL Goldste</u>	TINA
Number of digital magnetic tapes on board	81
Number of tape labels on board/	8+
Component systems up and checked:	
MARS Computer DMTR1 DMTR2 LF R/T# TA R/T#	5N102 5N201
Time correction between radar time and digital time	
Radar Postflight Summa	ıry
Number of digital tapes used: DMTR1 DMTR2	
Significant down time:	The second second
DMTR 1 Radar LF	
DMTR 2 Radar TA	
Other problems:	

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HRD Radar Tape Log

TINA

Flight	920925I	Aircraft	43
•			

ght <u>920</u>	925I1 Air	craft <u>43</u>	Derator Leighton Sheet of
Tape #	Time On (HHMMSS)	Time Off (HHMMSS)	Comments
1-1			
		7 1	
	AL	\square	A COC
	X		, Cra
			12
		Sh'	
) X	8	

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HRD Radar Down-Time Log

On

C

TINA 02092571

Operator ____

Sheet ____ of __

SEP 2 5 1992

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
-	A		in the second
		CO ^{REA}	4
		and the providence of the	
	·	17 83.	
			A the second
		1	

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