1990082711 - RADARUG 2 7 1990

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. 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

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: Derve in plane in labeled box in Cloud a. Outside of Miami - to the HRD operations center (FGOC). physics station
 - 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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900827E/ Flight ID Aircraft # M. Black Operators 41 Goldstein Radar Tech. Number of digital magnetic tapes on board Many Boxes Number of tape labels on board ~/00 Component systems up and checked: Computer MARS DMTR2 DMTR1 R/T# LF TA R/T# Time correction between radar time and digital time Radar Postflight Summary Number of digital tapes used: DMTR1 DMTR2 Significant down time: "whole system 1725-1755 Radar LF _____ DMTR 1 Radar TA DMTR2_ Other problems: * screens did not up date TA File switched to swmP2 many ernor messages would write proces of LF to screen no tail on screep itself - stopped radar program-rebooted system seems OK

Doppler Radar Scientist Check List

SACASI - 12:22:0000000

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HRD Radar Down-Time Log

Operator M. Black Sheet _ of _

ltem	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
Wholg	1725	B 1756	and reported radar
	E no Xin and		
1			
		R	
			\$

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

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usfar HRD Radar Tape Log

900827II 43 _ Operator M. Black Flight Aircraft Sheet 15050 -20 ·10°-1 A Forward & Backward S Comments Calm Seas Time Off Time On 1.1-(HHMMSS) (HHMMSS) Tape # Sens . Some Islands 349-1408 ~380 miles to exe 134458 1450 DIT n21450 1.529 Ta 53 3 In etp 33 6F crood 620 6 INRYE O 41 Bad-> Propert record W 0 BIN and 0 19 1 Q. 46 9 soost for searc QU ~2050 944 2050 2 148 eye alr 004

6000 27 × 10