

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 or initial.)

Preflight

- _____ 1. Determine the status of equipment and report results to the lead project scientist (LPS).
- _____ 2. Confirm mission and pattern selection from the LPS.
- _____ 3. Select the operational mode for radar system(s) after consultation with the LPS.
- _____ 4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.

In-Flight

- _____ 1. Operate the system(s) as specified in the operator's manual and as directed by the 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.

Post flight

- _____ 1. Complete the summary checklists and all other appropriate forms.
- _____ 2. Brief the 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.

HRD Radar Event Log

Flight 050827I Aircraft N43RF Operator GAMACHE Sheet 1 of

LF RPM 2 TA RPM 10

(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
	Y	AROUND 1340	START RECORDING
			1442xx pass through secondary eye wall
			1458 BEGIN OF LEG ✓
			24° 27.0 85° 05.8' 1513 UTC
			1545 1550 FOR END OF LEG
			1535 I stopped capturing data
		1635	RADAR DOWN
		164236	RADAR BACK UP
			164300 START 2 nd PASS
			24 21.4 85 16.0 1651
			1640 1635 - 1708
			175018 RADAR DOWN
			175638 RADAR UP
			24 27.5 85° 19.2' 1758
			1740 - 1816
			1909 BEGINS #4 leg
			#4 2008 24° 33' 85° 23'
			1951 - 2025

2407