

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 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.
- _____ 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 flight

- _____ 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.

HRD Radar Tape Log

Flight 070902I/ Aircraft 43 Operator P. Black Sheet 1 of Gamacho

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)

[illegible]

FLIGHT ID: 070902I1

Doppler Wind parameters

Scientist: R. Black.
J. GAMACHE

Time	Time	Storm Motion		Time	Ctr. Lat.	Ctr. Long.	Radius	Hor. Res	Vert. Res.	Track	In Azm.	Out Azm.	ja?	Sent
(Start leg)	(End Leg)	Degrees	Knots	(Center)	(Deg/Min)	(Deg/Min)	66/88/110	3/4/5	0.5	(In/Out)	Trk.+/-180	(track out)	H/TS	(Y/N)
		275	16											

NOAA3 0706A FELIX

FLIGHT ID:

Doppler Wind parameters

Scientist:

[illegible]