

Radar Scientist

Flight ID 110823H1 Storm Name Hurricane Irene

Radar Scientist LORSOLO Radar Technician Bosko

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. 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. Remind the AOC data technician to start the radar capture files.
2. 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.
3. Maintain the Radar Scientist's form as well as 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. Obtain from the AOC data technician all radar tapes and give him a thumbnail drive to download the radar capture files.
3. Brief the LPS on equipment status and turn in completed forms, the thumbnail drive, and all radar tapes to the LPS. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
4. Debrief at the base of operations.
5. Determine the status of future missions and notify MGOc as to where you can be contacted.

HRD Radar Event Log

Flight ID 11087341 Storm Name H. Irene Sheet 1 of
 Radar Scientist LORSOLO Radar Technician BOSKO

LF RPM 10 RPM TA RPM 10 RPM

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

Tape #	F/AST On?	Event Time (HHMMSS)	Event
	✓	195300	Take off time
			PRF = 2400 Hz
			IP : 220540
			lat: 22.12N long: 73.97
			leg #1
			start time: 220540
			center
			309, 8 kt motion
			2242 Z
			21° 02' N
			71° 45' W
			End penetration
			231000
			End downwind
			2337
			leg #2 : 2337
			21° 55' N
			70° 13' W

