

Flight ID 20120827H / Storm Isaac Radar Scientist Marks/Sellwood

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. 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 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. Download all radar data files to thumb drive.
3. Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
4. Debrief at the base of operations.
5. Determine the status of future missions and notify HFP Director as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 20120827H1

Aircraft Number: 42RF

Radar Operators: Sellwood/Marks

Radar Technician: Bosko/Charles Lynch

Component Systems Status(Up ↑, Down ↓, Not Available N/A, Not Used O):

Radar Computer ↑

Lower Fuselage antenna ↑

Tail Antenna ↑

Time correction between radar time and digital time: _____

Radar Post flight Summary

Significant down time:

Radar LF _____

Radar TA _____

Other Problems:

JAX
TO 0746Z

HRD Radar Event Log

Flight ID 20120827H Aircraft 42RF
Radar Scientists _____

Sheet 1 of 1

LF RPM _____ TA 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
1		0751 00	about 5 min after TO plenty of scatterers on N side
		0848	IP sporadic lightning in major band 100km N of G
		0935	end leg 1
		1006 30	end downwind leg
		1110 05	end leg 2
		11 37	G drop
		1203	end leg 3
		1243	end down leg turn TK135
		1246	leg 4 drop #175
		1314	G
		1341	end leg #4
		1415	G
		1445	end leg #5