

Flight ID 20120828A1 Storm Isaac Radar Scientist Sellwood/Mark

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: 20120828H1

Aircraft Number: 42RF

Radar Operators: Sellwood/Mat Es

Radar Technician: C. 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:

HRD Radar Event Log

Flight ID 20120828H Aircraft 42RF
 Radar Scientists Sellwood/Marks

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	✓	0812	TA radar system up FF ^{up} radar
			open FL
			Charles had to switch TA magnetron ★
			ask Nancy to check for calibration change
		0827	LF data system crash ^{reset} up
		0839	LF data system [↑] 0
		0908	start leg 1
		0931/43	G 27.5 87.9
		1000	end leg 1
		1033	end downwind
		1127	end Leg 2 turn TK 225
		1145	end downwind leg TK 357 ⁶
		1213	G
		1322	TA antenna stuck on forward plate
		1326	fixed

1604 land TAX