

Flight ID 080924TI Storm 93L Radar Scientist LORSOLO

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 Scientist Check List

Flight ID: 080924I1

Aircraft Number: 43

Radar Operators: LORSOLO

Radar Technician: F LYNCH

Number of digital magnetic tapes on board: _____

Component Systems Status:

MARS _____ Computer _____

DAT1 _____ DAT2 _____

LF _____ R/T Serial # _____

TA _____ R/T Serial # _____

Time correction between radar time and digital time: _____

Radar Post flight Summary

Number of digital tapes used: DAT1 _____

DAT2 _____

Significant down time:

DAT1 _____ Radar LF _____

DAT2 _____ Radar TA _____

Other Problems:

HRD Radar Event Log

Flight 080924I Aircraft 43 Operator LORSOLD Sheet 1 of 1

LF RPM 10 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
		075900	Take off time: 7:59 Z
	Y		PRF 2100 Hz single
		0805	START RECORDING
			Stopped @ 090600 } LF
			Restarted @ 090930 } TA
		110605	Start leg (dropsonde launched)
			14.903
			-24.213
		114153	"Center" time (flying a clear air (dropsonde))
			Few scatters & radars along
			the leg
			center @ 17° 25.7' N
			71° 21.6 W
			End leg (dropsonde)
		120930	@ 17.67
			-69.0
		121715	Start leg @ 1854, -68.04
		1409	END RECORDING
		1600	Landing time

[illegible][illegible][illegible]