CWWXA Jeanne J0409221

Radar Scientist CBLAST

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.)

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.

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.

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 Scientist Check List

Flight ID: JO40922I1

Aircraft Number: N43RF

Radar Operators: T. Lynch

Radar Technician: P. Leighton

Number of digital magnetic tapes on board: ? 10+

Component Systems Status:

MARS up Computer up

DAT1 up DAT2 up

LF up R/T Serial # 102

TA French R/T Serial # 2400/2400 250 202/102

Time correction between radar time and digital time: _____

Radar Post flight Summary

Number of digital tapes used: DAT1 1

DAT2 _____

Significant down time:

DAT1 _____ Radar LF _____

DAT2 _____ Radar TA _____

Other Problems:

HRD Radar Event Log

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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)

Tape #	F/AST On?	Event Time (HHMMSS)	Event
1	F/AST ON	1700	2400/2400 @ 250 pulsewidth Sand/water
		1737	Box
		161030	turned off LF on 42 to eliminate Ri for 20 secs.
		1815	Radar back up
		2200	No longer in Storm

HRD Radar Down-Time Log

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Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
	181300	181500	
	~~1810~~		

Item List: DAT1, DAT2, COMP, MARS, LF, and TA.

Include serial numbers of any new R/Ts.