IVAN I040915H1
(HRD) BT overflight w/ (NESDIS) ocean winds

Radar Scientist

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: I0409 15H1

Aircraft Number: N42RF

Radar Operators: Paul Leighton

Radar Technician: Sean McMillian

Number of digital magnetic tapes on board: ?

Component Systems Status:

MARS up Computer up

DAT1 up DAT2 up

LF 2 R/T Serial #

TA 10 2400/2400 R/T Serial # 103 / 307

Time correction between radar time and digital time: 1

Radar Post flight Summary

Number of digital tapes used: DAT1

DAT2

Significant down time:

DAT1 Radar LF

DAT2 Radar TA

Other Problems:

EVENT

HRD Radar ~~Down Time~~ Log

Flight I040515H/ **Aircraft** N42RF **Operator** Leighton Sheet 1 of ___

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
	~~	~~~~	172805 Take off
		1730	Radar up Recording
		1833	TA switched to 2400/2400 FRT 200
		2340	Radar Down
		2350	time off

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

Include serial numbers of any new R/Ts.