

IUAN  
Pre Storm Ocean Temp (HRD)  
and Ocean Winds (NLSOIS)

Radar Scientist

1040914H1

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

- JS 1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
- JS 2. Confirm mission and pattern selection from the on-board LPS.
- JS 3. Select the operational mode for radar system(s) after consultation with the on-board LPS.
- JS 4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.

### In-Flight

- JS 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.
- JS 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

- JS 1. Complete the summary checklists and all other appropriate check lists and forms.
- JS 2. Brief the on-board LPS on equipment status and turn in completed forms to the LPS.
- JS 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.]
- JS 4. Debrief at MGOC or the hotel during a deployment.
- JS 5. Determine the status of future missions and notify MGOC as to where you can be contacted.

### HRD Radar Scientist Check List

Flight ID: 104091441

Aircraft Number: N42rf

Radar Operators: Paul Leighton

Radar Technician: Mark Rogers / Bob McPeck

Number of digital magnetic tapes on board: \_\_\_\_\_

#### Component Systems Status:

MARS UP Computer UP

DAT1 UP DAT2 UP

LF UP R/T Serial # 121

TA UP R/T Serial # 103/201 sec.

Time correction between radar time and digital time: ✓

#### Radar Post flight Summary

Number of digital tapes used: DAT1 1

DAT2 \_\_\_\_\_

#### Significant down time:

DAT1 ~~2114-2117~~ Radar LF \_\_\_\_\_

DAT2 \_\_\_\_\_ Radar TA \_\_\_\_\_

#### Other Problems:

2114-2117 only Duration.

## HRD Radar Event Log

Flight IO4091441 Aircraft N42rf Operator Leighton Sheet 1 of       

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)

[illegible]

## HRD Radar Down-Time Log

Flight 104091441 Aircraft N42AF Operator Legitim Sheet 1 of     

[illegible]

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

Include serial numbers of any new R/Ts.