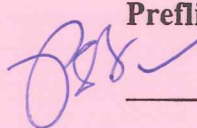
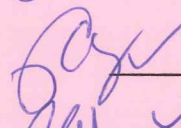
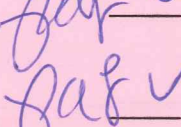
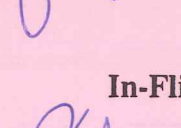


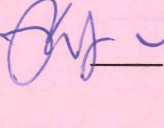
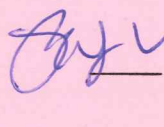
## Radar Scientist

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.)

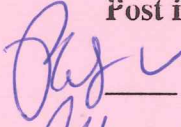

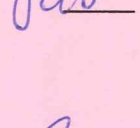
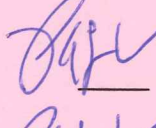
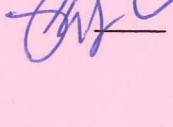
### Preflight

-  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: I040907I IUAN

Aircraft Number: N43rf

Radar Operators: T. Lynch / P. Leighton

Radar Technician: T. Lynch / J. Smith

Number of digital magnetic tapes on board: 18.5

#### Component Systems Status:

MARS up Computer up

DAT1 up DAT2 up

LF up R/T Serial # 102

TA up R/T Serial # 202/102

Time correction between radar time and digital time: +15sec

#### Radar Post flight Summary

Number of digital tapes used: DAT1 \_\_\_\_\_

DAT2 \_\_\_\_\_

#### Significant down time:

DAT1 \_\_\_\_\_ Radar LF \_\_\_\_\_

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

#### Other Problems:

