

## E.5 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.)

### E.5.1 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.

### E.5.2 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.

### E.5.3 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.

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(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

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