

## Radar Scientist

Flight ID 101103H1

Storm Name TD Tomqs

Radar Scientist P. Reason

Radar Technician B. Peek

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. General supplementary procedures follow. (Check off or initial.)

### Preflight

- PR 1. Determine the status of equipment and report results to the lead project scientist (LPS).
- PR 2. Confirm mission and pattern selection from the LPS.
- PR 3. Select the operational mode for radar system(s) after consultation with the LPS. 2100 F/A
- PR 4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.

### In-Flight

- Confirm flight ID w/ radar tech (20101103H1)
- PR 1. Remind the AOC data technician to start the radar capture files.
  - PR 2. Operate the system(s) as specified in the operator's manual and as directed by the LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.
  - PR 3. Maintain the Radar Scientist's form as well as 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 forms.
- \_\_\_\_\_ 2. Obtain from the AOC data technician all radar tapes and give him a thumbnail drive to download the radar capture files.
- \_\_\_\_\_ 3. Brief the LPS on equipment status and turn in completed forms, the thumbnail drive, and all radar tapes to the LPS. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
- \_\_\_\_\_ 4. Debrief at the base of operations.
- \_\_\_\_\_ 5. Determine the status of future missions and notify MGOc as to where you can be contacted.

### HRD Radar Scientist Check List

Flight ID: 101103141

Radar Operators: P. Pearson

Radar Technician: B. Peek

Number of DAT tapes on board: \_\_\_\_\_

Component Systems Status(Up ↑, Down ↓, Not Available N/A, Not Used O):

Device	Pre-flight	In-flight	Post-flight	R/T Serial #
Radar Computer	↓	↑		
DAT drives	↓	↑		
Lower Fuselage antenna	↓	↑		
Tail Antenna	↓	↑		

NA

Time correction between radar time and digital time: \_\_\_\_\_

### Radar Post flight Summary

Number of DAT tapes used: \_\_\_\_\_

Significant down time:

Radar Computer \_\_\_\_\_ Radar LF \_\_\_\_\_

DAT drives \_\_\_\_\_ Radar TA \_\_\_\_\_

Other Problems:

## HRD Radar Event Log

Flight ID 101103H1 Storm Name Tomas Sheet      of       
 Radar Scientist P. Reason Radar Technician D. Peck

LF RPM 10 TA RPM 10

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

[illegible]



## HRD Radar Problem Log

Flight ID 101103 H1 Storm Name Tomas Sheet      of       
 Radar Scientist D. Pearson Radar Technician D. Peck

(Include times of when recording ended and was restarted)

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ATCF 21

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