

Radar Scientist

Flight ID 110723II

Storm Name TS Dora

Radar Scientist P. Leighton

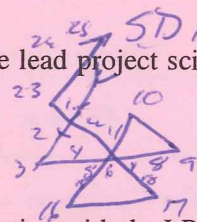
Radar Technician Joe Bosco

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

OK
OK
OK
OK

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



Before 2100 Day get 1600 w/ Frank

In-Flight

OK
OK
OK

1. Remind the AOC data technician to start the radar capture files.
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.
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

OK
OK
OK
OK
OK

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.

waiting for end of exp.

HRD Radar Scientist Check List

Flight ID: 110723II

Radar Operators: P. Leighton

Radar Technician: Joe Bosco

Number of DAT tapes on board: 10+

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	↑	↑		102
Tail Antenna	↑	↑		201

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:

Flight ID 110723H Storm Name T.S. Dora Sheet 1 of
 Radar Scientist P. Leighton Radar Technician Joe Bosco

(Include times of when recording ended and was restarted)

[illegible]

MID: 0204E DORA

P. Leichter

[illegible]