



Radar Scientist

Flight ID B1007H1 Storm Karen Radar Scientist Hazelton

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

1. Determine status of equipment and report results to 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 check list.

In-Flight

1. Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.
2. Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of radar recording. Also document any equipment problems or changes in R/T, INE, or signal status.

Post flight

1. Complete the summary checklist and all other appropriate forms.
2. Download all Tail (TA) radar data files to thumb drive.
3. Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
4. Debrief at the base of operations.
5. Determine the status of future missions and notify HFP Director as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 131004H1
Aircraft Number: NOAA 42
Radar Scientist: Hazelton
Radar Technician: Bosko

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

Radar Computer _____ ↑
Lower Fuselage (LF) Antenna _____ ↑
Tail (TA) Antenna _____ ↑

Time correction between LF radar time and digital time: _____

TA Radar Parameters:

(Single/Dual) PRF _____ F/AST (Y/N) Rotation Rate _____ RPM
Sweeps/File _____ Record 2nd Trip (Y/N) (Circle appropriate status)

Radar Post flight Summary

Significant down time:

Radar LF _____

Radar TA _____

Other Problems:

