Radar Scientist

Flight ID 20A81008H1  Storm Michael

Radar Scientist Cione  Radar Technician Mascaro

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 real-time TA display, to make sure the Doppler radar is scanning and working normally

_____ 2  Once at the IP, request that the tilt be adjusted to remove sea clutter.

_____ 3 Request that the LF radar is set to full scan (non-sector mode) for first Figure 4

_____ 4. 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 Belly (LF) scan radar data files to thumb drive.

_____ 3 Download all tar’d (TA) radar data files to thumb drive.

_____ 4. Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.

_____ 5.  Debrief at the base of operations.

_____ 6. Determine the status of future missions and notify HFP Director as to where you can be contacted.
HRD Radar Scientist Check List

Flight ID: 20181008H1
Aircraft Number: 92
Radar Scientist: Cione
Radar Technician: Muscard

Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):
Radar Computer
Lower Fuselage (LF) Antenna
Tail (TA) Antenna

Radar Post flight Summary

Significant down time:
Radar LF
Radar TA

Both down 00:45Z
Then again 01:15Z

Other Problems:

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"Gyro - U ✔
Initial cleanup
Nick
Join 4pm"