Radar Scientist

Flight ID 2018100841   **Storm** Michael

Radar Scientist Cione   **Radar Technician** Mascan

   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: __42__

Radar Scientist: __Cione__

Radar Technician: __Muscaro__

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 _____   Both down ~00:45 Z

Radar TA _____   then agan 01:15 Z

Other Problems:

HRD_____2306
radar_sync — U
initial cleanup
nick
Gonzaele