

Radar Scientist

Flight ID 20130914H1 Storm INGRID Radar Scientist HUA CHEN

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 Event Log

Flight ID _____ Aircraft _____
Radar Scientist _____ Radar Technician _____

(Include down time and times of when recording ended and was restarted)

[illegible]