

Radar Scientist

Flight ID _____ Storm _____

Radar Scientist _____ Radar Technician _____

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.

18070941

HRD Radar Event Log

Flight ID 18070841 & 0941 Storm ChrisRadar Scientist Aberson Radar Technician Maroon

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

Time (HHMMSS)	Event
0833	take off
104400	mark center
083156	take off
100517	1P drop 1, inbound
102325	center 999 set
104728	end outbound drop 3
112100	End downwind log
112500	drop 4 begin inbound
114955	center
120915h	drop 6 turn downwind
122650	drop 7 start inbound
124710	drop 8 center
125741	drop 9 mid point
130130	drop 10 end outbound
133730	drop 11 start inbound
134725	drop 12 mid point
1357	center no drop

140854

mid pt drop 13

141910

end outbound drop 14

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