## Radar Scientist

Flight I	1 <b>D</b> 26	60924I2 Storm Karl Radar Scientist Klotz/Gamache
on his/h	er ass	oard radar scientist is responsible for data collection from all radar systems igned aircraft. Detailed operational procedures and checklists are contained r's manual. General supplementary procedures follow. (Check off or initial.)
Prefligh		
	1.	Determine status of equipment and report results to lead project scientist (LPS).
	2.	Confirm mission and pattern selection from the LPS.
$\frac{1}{\sqrt{2}}$	3.	Select the operational mode for radar system(s) after consultation with the LPS.
	4.	Complete the appropriate preflight check list.
In-Fligh	ht	
	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 flig	ght	
1	ι.	Complete the summary checklist and all other appropriate forms.
	2.	Download all Tail (TA) radar data files to thumb drive.
3	3.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
4	1.	Debrief at the base of operations.
5	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: 20160924 I2
Aircraft Number: No AA 43
Radar Scientist: Klotz/Gamache
Radar Technician: D. Naeher
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):  Radar Computer
Radar Post flight Summary
Significant down time:  Radar LF_N5min at end of first pass for circling
Radar TA
Other Problems: no issues with radars

## **HRD Radar Event Log**

Flight ID 20160924 IV Aircraft NOAA43

Radar Scientist Klot 2/64mache Radar Technician D. Nacher

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

Time (HHMMSS)	Event
1738	Tail off  Tail back on
1739	Tail off
1746	Tail back on
1747	LFon
2153	raised LF 0,5 deg
2206	raised LF0.3 deg
2316	Tail radar off
2459	raised LF 0,5 deg raised LF 0,3 deg Tail radar off LF twned off
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Doppler Wind parameters

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