Radar Scientist

Flight	ID_ <u>20</u>	16092211 Storm Karl Radar Scientist Klotz / Ganu
on his	her ass	pard 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.)
Preflig	ght	
<u>_</u>	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-Flig	ght	
		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 fl	ight	
	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.
V	4.	Debrief at the base of operations.
$\overline{}$	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: 20160922II
Aircraft Number: NOAA 43
Radar Scientist: Klotz/Gamache
Radar Technician: D. Nacher
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
Other Problems:
Note that IWRAP was running - had wedge on LF
- circling eprior to 3rd pass for ~15-10 minutes
- did not complete 2nd this for 2nd fig 4 we
- initially had trouble with ground processing -> completed jobfiles on aircraft

HRD Radar Event Log

Flight ID 20160922 I Aircraft NOAA43

Radar Scientist Klotz/Camache Radar Technician D. Nacher

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

Time	
(HHMMSS)	Event
1737	Tail Radar started
1744	LF Radar started
2323	Tail Radar off
2344	Tail Radar off LF Rudar off
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Doppler Wind parameters

Flight ID:	20160922 I	T/		Doppler autor	Doppler flight-leg notes (for use in automatic QC and analysis)	notes (for u	se in	Scientist:		Klotz/Comache	φ
Leg Start	Leg End	2			Center Fix		-	<u> </u>	Max Radius	Horz. Res	Sent
Time	Time	Storm Motion	Motion	Time	Latitude	Longitude	Inbound	Outbound	(km)	(km)	?
SSWMHH	SSWWHH	Degrees	Knots	SSMMHH	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(N/Y)
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