Radar Scientist

Flight ID_2	OMO908HI Storm Irma							
Radar Scient	tist_Holbach Radar Technician Todol R							
The on-bo	pard radar scientist is responsible for data collection from all radar systems signed aircraft. Detailed operational procedures and checklists are contained or's manual. General supplementary procedures follow. (Check off or initial.)							
Preflight								
1.	Determine status of equipment and report results to lead project scientist (LPS).							
<u>√</u> 2. <u>√</u> 3.	Confirm mission and pattern selection from the LPS.							
	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.							
<u>√</u> 2.	Once at the IP, request that the tilt be adjusted to remove sea clutter.							
<u></u> 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.							
<u>J</u> 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: _ 2017090841
Aircraft Number: NOAA42
Radar Scientist: Holbach
Radar Technician: Todd L
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O): Radar Computer
Radar Post flight Summary
Significant down time:
Radar LF_None
Radar TA Nove
Other Problems:
Noksi. Leg 1 of 1st downwind leg at 10kft re remainder of Plight at 8k ft pressure

· LF radar not getting xmitted off plane -related to comms issue

HRD Radar Event Log

Flight ID_70	170908HI Storm Irma									
Radar Scientis	t_Holbach_ Radar Technician_ Toold R									
(Include down time and times of when recording ended and was restarted)										
Time (HHMMSS)	Event									
67243	Takeoff									
11582	Noticed radarsync a had gint. Ind	lex Error								
		•								

Doppler Wind parameters

Flight ID: 20170908H1				Doppler flight-leg notes (for use in automatic QC and analysis)					ntist: Holbach		
Leg Start Leg End Time Time		Storm	Motion	Center Fix Time Latitude Longitude		Inbound	Outbound	Max Radius (km)	Horz. Res (km)	Sent	
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
09207	10013			9:37	2938	745	090	090	,		
10432	11302			\(\a\\	Zr 39'	74°23'	155)	155			7
12037	12482	:		122536	Z1°44	7440	315	316	,		V
13102	13452			132045	2847'	7485	C60	035	•		ľ
											5
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