Radar Scientist

Flight II	2017/00/24/1 Storm TS Naite						
Radar S	cientist Holbach Radar Technician Peak						
on his/he	on-board radar scientist is responsible for data collection from all radar systems or assigned aircraft. Detailed operational procedures and checklists are contained erator's manual. General supplementary procedures follow. (Check off or initial.)						
Prefligh	t ·						
	Determine status of equipment and report results to lead project scientist (LPS).						
2	. Confirm mission and pattern selection from the LPS.						
$\frac{\int_{0}^{1} dt}{\int_{0}^{1} dt} dt$. Select the operational mode for radar system(s) after consultation with the LPS.						
4							
In-Fligh	t						
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 flig	ht .						
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.

HRD Radar Scientist Check List

Flight ID: 2017 100641

	ft Number: NOAA42
Radar	Scientist: Holbach
Radar	Technician: Peak
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):
Radar Computer	
Lower Fuselage (LF) An	tenna
Tail (TA) Antenna	
	Radar Post flight Summary
Significant down time:	
Radar LF	
Radar TA	
Other Problems:	
Initial leg was 135° at ~10262	misaligned of conto. Turned from 180° to. Turned back to 180° at ~10382

HRD Radar Event Log

Flight ID 20171006 H1	Storm TS Natc				
Radar Scientist Holbach	Radar Technician Peak				
(Include down time and ti	mes of when recording ended and was restarted)				

Time (HHMMSS)	Event
0759	Takeoff
6821	TOR twent on a recording
0959	Beginning descent to IP
1315-1325	
1341-1357	SFMR CITCHS
1357	EP head home
~ 1430	TOR twned off
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Doppler Wind parameters

Flight ID:	Flight ID: 2017/00644				Doppler flight-leg notes (for use in automatic QC and analysis)				Scientist: Holbach			
Leg Start Time	Leg End Time	Storm	Motion	Time	Center Fix 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)	
10087	10542			10:362	CAA ESTIN	orted 84°36	1367 13	5 ³ 180°				
11272	12102			11:452	CPA 601	mated 84° 41°	270°	770°				
12322	13072			12:572	18.1°	84.7°	045=0	^{56°} 635°				
13252	1337				18.4°	&4.7°	315°					
1337							-					
		\										

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