Radar Scientist

Flight ID 2017 1006H1 Storm TS Nate										
Radar Scientist Holbach Radar Technician Peak										
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.)										
Prefli										
<u></u>	1.	Determine status of equipment and report results to lead project scientist (LPS).								
	2.	Confirm mission and pattern selection from the LPS.								
		Select the operational mode for radar system(s) after consultation with the LPS.								
1	4.	Complete the appropriate preflight check list.								
In-Fli	ght									
	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 f	light									
	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:							
Aircraft 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) Antenna							
Tail (TA) Antenna							
Radar Post flight Summary							

Significant down time:

Radar LF

Radar TA

Other Problems:

· Initial leg was misalighed of conto. Turned from 180° to 135° at ~10262. Turned back to 180° at ~10382

HRD Radar Event Log

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

Time (HHMMSS)	Event
0759	Takeoff
6821	TOR twented on a recording
6958	Beginning descent to IP
1315-1325	
1341-1357	
1357	EP head home
~ 1430	TOR twned off

H

Doppler Wind parameters

Flight ID: 70171006441				Doppler flight-leg notes (for use in automatic QC and analysis) Scientific Control of the contr					ntist: Holbach		
Leg Start Leg End Time Time		Storm Motion		Center Fix		Inbound	Outbound	Max Radius	Horz. Res	Sent	
HHMMSS	HHMMSS	Degrees	Knots	Time HHMMSS	Latitude (Deg/Min)	Longitude (Deg/Min)	tua ale		(km)	(km)	?
10087	10542	Dogicos	Kilots	10:362	CPA Estim		track	track	Default = 245	Default = 5	(Y/N)
11272	12102			11:425	17°42'	mated 84° 41°	270°	270°			
12322	13072			12:572	18.10	84.7°	04530	85° 635°			
13252	1337				18.40	84.7°	315°				
1337											
						kasa saka					

Partials