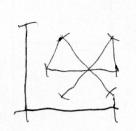
Radar Scientist

Flight I	D 7 0180905 HT Storm 75 60000								
Radar	Scientist Hate 16 n Radar Technician Mike Mascwo								
on his/h	on-board radar scientist is responsible for data collection from all radar systems er assigned aircraft. Detailed operational procedures and checklists are contained perator's manual. General supplementary procedures follow. (Check off or initial.)								
Prefligh	nt/								
_//	Determine status of equipment and report results to lead project scientist (LPS).								
<u>/</u>	Confirm mission and pattern selection from the LPS								
<u>_</u> /j	Select the operational mode for radar system(s) after consultation with the LPS								
1/	Complete the appropriate preflight check list.								
In-Fligh	at .								
	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.								
	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	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.								
	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: 70180903 H Aircraft Number: NOAA 7L Radar Scientist: Huzelton Radar Technician: Mike M						
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:						



HRD Radar Event Log

Flight ID 20180903 H	Storm Gordo	ν Λ
Radar Scientist Huzelba	Radar Technician_	Mike Masuro

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

Time (HHMMSS)	Event	
202700	Takeoff	
203500	Ruder Started Transmitting	
205200	Sturted surveillance (Headed N-) S)	
2/1130	Turned to E surveillance	
2156	stort butterfly, track 330	
22 20	stort butterfly, track 330 conter mork 26 29 82 58'	
2740	endofout bound Eg	
	begin corcles	
2315	end corcles preture to pattern to begin howing	and la
2323	end mission, mechanica issue	
2340	had an issue with radarque is wasn't startin	9
	andyes even though ground rubuited justile	,
	Mad to CH-c and form roobsync. That	
	worked,	

Doppler Wind parameters

Flight ID:				Doppler Willia parameters Doppler flight-leg notes (for use in automatic QC and analysis)				Scientist: Hazelton			
Leg Start Time	Leg End Time	Time	Motion	Center Fix Inb		Inbound (Outbound	Max Radius	Horz. Res	Sent	
			Veste	Time	Latitude	Longitude			(km)	(km)	?
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
204400	5/1139		,				130	180	245	5	
71130			7 1 1 1 1)	
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