Radar Scientist

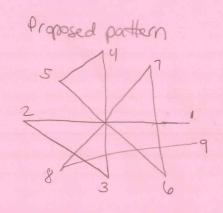
Flight ID 20180904H7 Storm TS-Gordon

Radar Scientist S. Munth Radar Technician T. Perhards					
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.)					
Preflight					
<u>SU</u>		Determine status of equipment and report results to lead project scientist (LPS).			
84 84	2.	Confirm mission and pattern selection from the LPS.			
SU	3.	Select the operational mode for radar system(s) after consultation with the LPS.			
811	4.	Complete the appropriate preflight check list.			
In-Flight					
84	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.			
84		Once at the IP, request that the tilt be adjusted to remove sea clutter. a ready as			
84	3.	Request that the LF radar is set to full scan (non-sector mode) for first Figure 4.			
811		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					
84	1.	Complete the summary checklist and all other appropriate forms.			
84	2.	Download all Belly (LF) scan radar data files to thumb drive.			
84	3.	Download all tar'd (TA) radar data files to thumb drive.			
84	4.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.			
84	5.	Debrief at the base of operations.			
84	6.	Determine the status of future missions and notify HFP Director as to where you can be contacted.			

Mission ID 09047A Gordon

HRD Radar Scientist Check List

Flight ID: 20180904 H1
Aircraft Number: NY2RF
Radar Scientist: Shirley Murillo
Radar Technician: Todd Richards
Component Systems Status (Up \uparrow , Down \downarrow , Not Available N/A, Not Used O):
Radar Computer
Lower Fuselage (LF) Antenna
Tail (TA) Antenna
13/00/
10189
Radar Post flight Summary
Radar Post flight Summary Significant down time:
Radar Post flight Summary
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Radar Post flight Summary Significant down time: Radar LF
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Radar Post flight Summary Significant down time: Radar LF



HRD Radar Event Log

Flight ID 2018 09 04 H 1	Storm TS. Gordon
	Radar Technician T. Richards

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

TD:	
Time (HHMMSS)	Event
083354	tate off time
083900	TDR on and recording at IP 27.55 83.41
085516	at IP 27.55 83.41
Car in the	
1500:10	rader stopped recording end of flight

Doppler Wind parameters

3 4 9

Doppler flight-leg notes (for use in Flight ID: 201809 04 H 1 Scientist: Murillo automatic QC and analysis) Leg Start Center Fix Leg End Max Radius Horz. Res Sent Storm Motion Outbound Inbound Time Time (km) Time Latitude Longitude (km) **HHMMSS HHMMSS** Degrees Knots **HHMMSS** (Deg/Min) (Deg/Min) Default = 245 track track Default = 5 (Y/N) 15 085516 300 0904510 692135 245 27.46 5 270 269 85.46 0904510 102101 300 15 132 102/31 110915 104627 245 18 27,56 300 10 86.41 360 112410 121745 300 18 28.36 229 115604 86.14. 229. 121749 125806 52 245 488 4 86.30 134254 125900 1322 28.24 45 225 245 4 134300 14315