Radar Scientist

Flight ID 2	017 08254 (Storm Hay vey
Radar Scient	ist Jun Zhang Radar Technician Bobby Peck
on his/her ass	pard radar scientist is responsible for data collection from all radar systems igned aircraft. Detailed operational procedures and checklists are contained r's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
<u> </u>	Determine status of equipment and report results to lead project scientist (LPS).
2. 3.	Confirm mission and pattern selection from the LPS.
3.	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.
2.	Once at the IP, request that the tilt be adjusted to remove sea clutter.
<u> </u>	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	
<u> </u>	Complete the summary checklist and all other appropriate forms.
<u>/</u> 2.	Download all Belly (LF) scan radar data files to thumb drive.
_ _ 3.	Download all tar'd (TA) radar data files to thumb drive.
<u> </u>	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
<u> </u>	Debrief at the base of operations.
6.	Determine the status of future missions and notify HFP Director as to where you can be contacted

Doppler Wind parameters

Flight ID: 201708411				Doppler flight-leg notes (for use in automatic QC and analysis)				Scientist: Jun 2 hang			
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)
0400	0434	336	9	0420	250181	9453'	180	180			
0448	0524	330	9	0504	250 29	95° 4	315	345			
0545	0637	330	9	0604	25° 58'	95° 6	45	45			
				0607	25196	95 16					
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