Radar Scientist

Flight I	D	Storm	Radar Scientist
on his/h	er assi	ard radar scientist is responsible for datigned aircraft. Detailed operational proces's manual. General supplementary proces	edures and checklists are contained
Prefligh	nt		
	1.	Determine status of equipment and report r	esults to lead project scientist (LPS).
2	2.	Confirm mission and pattern selection from	the LPS.
3	3.	Select the operational mode for radar syste	m(s) after consultation with the LPS.
	4.	Complete the appropriate preflight check li	st.
In-Fligh	ht		
	1.	Monitor the Tail Doppler Radar function display, to make sure the Doppler radar is s	
	2.	Maintain the Doppler Wind Parameter for the Radar Event Log of event times, su recording. Also document any equipment signal status.	ch as ending and restarting of radar
Post flig	ght		
	1.	Complete the summary checklist and all of	her appropriate forms.
2	2.	Download all Tail (TA) radar data files to t	chumb drive.
	3.	Brief the LPS on equipment status and turn to the LPS.	n in completed forms and thumb drives
	4.	Debrief at the base of operations.	
	5.	Determine the status of future missions and can be contacted.	d notify HFP Director as to where you

Doppler Wind parameters

Flight ID:	Doppler flight-leg notes (for use in automatic QC and analysis) Scientist: ABERSON								1			
Leg Start Time	Leg End Time	Storm	Motion	Time	Center Fix Latitude	Longitude	Inbound track	Outbound track	Max Radius Default = 245	Horz. Res Default = 5	Sent ?	
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	Degrees	Degrees	(km)	(km)	(Y/N)	
PRISTED A		300	12	/20000	27 00	55 06						
140500 iup	wind 145400	305	11	151217	27 16	55 4/3	145	135				83 kt SFMR 101 kt FL 966 mb Sonde
inbound 145405	153200						145	135				
153200	nurnol 16000			162426	27 27	55 53						92H SFMR 103H FL 96bmb
160200	164000	305	11	162735	27 27	55 55	225	060				87kt SFHR 115kt FL 968mb
inbound 16.4000	outbound 170700						240	060				
unknend 170700	outband 173500						240	020				
inbourd 193500	182465			180750	27 41	56 09	195	210				83kt SFMR 163ktFL 963mb