Radar Scientist

Fligh	t ID	StormRadar Scientist
on his	s/her ass	oard radar scientist is responsible for data collection from all radar systems signed aircraft. Detailed operational procedures and checklists are contained or's manual. General supplementary procedures follow. (Check off or initial.)
Prefli	ght	
	1.	Determine status of equipment and report results to lead project scientist (LPS).
	2.	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-Fli	ght	
	1.	Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.
	2.	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 Tail (TA) radar data files to thumb drive.
	3.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
	4.	Debrief at the base of operations.
	5.	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:
Radar Scientist:
Radar Technician:
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):
Radar Computer
Lower Fuselage (LF) Antenna
Tail (TA) Antenna
Time correction between LF radar time and digital time:
TA Radar Parameters:
(Single/Dual) PRF F/AST (Y/N) Rotation Rate RPM
Sweeps/File Record 2 nd Trip (Y/N) (Circle appropriate status)
Radar Post flight Summary
Significant down time:
Radar LF
Radar TA
Other Problems:

AT (1-4) 204642 20:54 20:5													
	Flight ID: 20/309/511 Doppler flight-leg notes (for use in automatic QC and analysis) Scientist: Victory's										Xs end I wan often		
	Leg Start Time	Leg End Time	Leg End Storm Motion		Center Fix Time Latitude Longitude			Inbound	Outbound	Max Radius (km)	Horz. Res (km)	Sent ?	
	HHMMSS	HHMMSS	Degrees	Knots	ннммѕѕ	(Deg/Min)	(Deg/Min)	track	track	Default =	Default = 5	(Y/N)	
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