Radar Scientist

Flight ID_[1080411 Storm Hum Bertha Radar Scientist Ruges									
on his/her as:	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.)									
Preflight										
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-Flight										
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 flight										
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: 14080 9141
Aircraft Number: NYZRF Radar Scientist: Rosers
Radar Scientist: Rosers
Radar Technician: Bosko
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:

HRD Radar Event Log

Flight ID	Aircraft tRadar Technician
Radar Scientis	(Include down time and times of when recording ended and was restarted)
Time (HHMMSS)	Event
1919	Stort inbound leg

RLI

(2 wolfs E) drop 232600 NLD drop 2346 11 (ayouall SE)

Doppler Wind parameters

28.1

			1		Dobbi	ier vviiid	parame	ters					
	Flight ID:								Scienti	Scientist: Roges			
	Leg Start Leg End	Storm Motion		Center Fix			Inbound	Outbound	Max Radius	Horz. Res	Sent		
and the same of th	Time	Time	Storm Wotton		Time	Latitude	Longitude	IIIDOUIIG	Calboaria	(km)	(km)	?	
	HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)	
	191900	200956	360	COLIC)	194750	29°09'	73°34'	0	0				
	200956	26208											
	204300	213055	(1003)	(8)	210712	2933	7332	90	90				
		215105											
	215200	225115	(nau) ((nav) 18	2228	79.58	73 29'	225	225				
2		232140	agas Tarking										
	232600	601303	(NON)	20	235017	3626	73°24'	315	315				
						UKONYK WYMANIA				11			
	.0.1107												

DW

2219

