Radar Scientist

Fligh	t ID_26	Storm 1-7. Van 19 Radar Scientist U. Francisco
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.)
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	ight	
	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	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: 20150824 I
Aircraft Number: NOAA 43
Radar Scientist: _ Klotz
Radar Technician: Marcaro
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 2100 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 2050824±1 Aircraft	NOAA 43	
Radar Scientist < 6+2	Radar Technician_	Marcaro

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

Time (HHMMSS)	Event	
055000	Radaron	
0648.	Just after center, deviated off track - to east, not Radar turned off (both)	NE
0923	Radar turned off (both)	
0943	End flight	
3 (W)		- 68
7 4 4 7		

Doppler Wind parameters

Flight ID:	Leg Start Time	HHMMSS	064830	00,000,00	54 008680				
	Leg End Time	HHMMSS	30: 7	080200 X5:0836	\$:				
	Storm Motion	Degrees	270	276	270				
	otion	Knots	13	15	13				
Dol (for use i	Time	HHMMSS	0717	18/18	×			· Control of the cont	
Doppler flight-leg notes (for use in automatic QC and analysis)	Center Fix Latitude	(Deg/Min)	150/17	15°/46'	X				
leg notes	Longitude	(Deg/Min)	(00/41	60 132	×				
lysis)	Inbound track	Degrees	500	180°	X	i i i i i i i i i i i i i i i i i i i			
Scientist:	Outbound track	Degrees	9000	181-135	×				
st :	Max Radius Default = 245	(km)	245	-745°					
	Horz. Res Default = 5	(km)	CT	5					
	Sent	(Y/N)						15	