Radar Scientist

Flight ID_2	Storm HC 06 / FCORENCE
Radar Scien	tist Zawiscak Radar Technician Mascaro
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 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.
3.	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	
1.	Complete the summary checklist and all other appropriate forms.
2.	Download all Belly (LF) scan radar data files to thumb drive.
3.	Download all tar'd (TA) radar data files to thumb drive.
4.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
5.	Debrief at the base of operations.
6.	Determine the status of future missions and notify HFP Director as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 20180910H1
Aircraft Number: N42 RF
Radar Scientist: ZAWISLAK (NANCY 1308 GRIFFIN CRESS)
Radar Technician:
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):
Radar Computer
Lower Fuselage (LF) Antenna
Tail (TA) Antenna
Radar Post flight Summary
Significant down time:
Radar LF
Radar TA
Other Problems:

HRD Radar Event Log

riight ID_20	Storing 4C 06 / FCORRNCE
Radar Scientis	t Zawis Au Radar Technician MASCARO
	(Include down time and times of when recording ended and was restarted)
Time (HHMMSS)	Event
1328	TAKEOF, BERNUPA
Ela-Pull-114	
TITLE IN	

Doppler Wind parameters

Flight ID:	ght ID: 20180910 HI			Doppler flight-leg notes (for use in automatic QC and analysis) Scientist: Zawiscak											
Leg Start Time	Leg End Time				Leg End	Storm	Motion	Center Fix			Inbound	Outbound	Max Radius	Horz. Res	Sent
				Time	Latitude	Longitude	inbodila	Outbound	(km)	(km)	?				
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)				
1512	1556 END OR DOWNERS	270	- (I	153518	24.99	60.14	240° AZI	066							
1617	1702 Exist	270	ч	164237	25.07	60.31	360°	(80°							
17-16	1757 No DOWNWIND	270	U	173610	25.15	60.50	€135°	315°							
	LEG AS WE'VER COLAR BACK INBOURD.														
1800	1840 out 190°			181851	25.20	60.62	305°	1800							
				191832	25.26	96.79		5							
			9-39-39-39-39-4												
						k									