Radar Scientist

Flight ID_	80820 HD Storm Lave								
Radar Scient	ist Rogers Radar Technician Richards, Peek								
The on-bo	oard 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.)								
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.								
	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: 20180820H2
Aircraft Number: NU2RF
Radar Scientist:
Radar Technician: Richards
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):
Radar Computer
Lower Fuselage (LF) Antenna
<u> </u>
Tail (TA) Antenna
Radar Post flight Summary
Significant down time:
Radar LF
Radar TA
Other Problems: some problems with rodorsync at the beginning
the all al a place in firm recovered fight and stort of to
I this the transferred to EMC, though, it would have
been deleted / rejected there. Otherwise norted five.

LF
10 -6 lup
20 - green
30 - yellow
32 cramos



HRD Radar Event Log

Flight ID	Storm	
45 - avaracon		
9 - Radar Scientist	Radar Technician	

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

Time	
(HHMMSS)	Event
151400	radorsque Hard to trigger and lobfile at
	Sterlip of radrigue on a sent light
1601	descoveling to 8000 Fd
1617	LF lockes good, nin detail
163600	start of Novid log
1709	13°3 (" 148° 32" -7 center
1737	end out broud (eq (15t)
1803	begin 200 inbrued lea
182830	13°31' 148° 46' center
1855	end of 2 2 kg, outloowed
1920	start 3th les in bound
1949	13°36' 149°0' center
201530	end of 3th legy outbound.

Doppler Wind parameters

Flight ID:	D: Doppler flight-leg notes (for use in automatic QC and analysis) Scientist:										
Leg Start Time	Leg End Time	Storm Motion			Center Fix		Inbound		Max Radius	Horz. Res	Sent
				Time	Latitude	Longitude	IIIbound	Outbound	(km)	(km)	?
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
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780											
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				11.		1					
		1									
	- 3 + 3 -						The surface of the su				
				· Price		1,5 1,7 1,					