Radar Scientist

Flight ID	81009Hl Storm Michael						
Radar Scien	tist fuze for Radar Technician Generals						
on his/her as	ooard 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.						
	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.						
<u>/3.</u>	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							
Vy	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: 181009H
Aircraft Number:NOAAYL
Radar Scientist: Hurebo  Radar Technician: Cichards
Radar Technician: <u>Richards</u>
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** 

Flight ID	Storm Michael
Radar Scientist Hure to	Radar Technician Richards

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

Time (HHMMSS)	Event	
075000	Takeoff	
083030	FIRST Inbund Ley	
091/30	6 First Center Fix	2671
J94013	Outboard by ended, downwind by	X 0921
101456	Started second inbound	Accidentaly
104059	Second conter fix	1100
1/0230	Outsound by ended, down wind leg	Usul Instead
MU (D)	Started third inbornel	Tot
114158	third Center Fix	0.
120341	Outpayed leg end, downwind	291
124325	Sturted fourth inbound	0,
13/300	Fourth center Fix	
134345	orthand les ended started danvird	A / I
140130	Started inward les	3 CB modele
142400	Last center fix	36
142700	started outband	79
175200	End of attorned	-XVB

**Doppler Wind parameters** 

Flight ID: 181009H					Doppler flight-leg notes (for use in automatic QC and analysis)  Scientist:							
	Leg Start Leg End Storm Motion		Motion	Center Fix			Inbound	Outbound	Max Radius	Horz. Res	Sent	
1	HHMMSS	HHMMSS	Degrees	Knots	Time HHMMSS	Latitude (Deg/Min)	Longitude	Augusta		(km)	(km)	?
	083630	094013	2 0 9 1 0 0 0	Talloto	091130	2499'	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
1								454	45*			
	101456	110530			WOYOI	240151	86,61	270	270			
1	1/0530							135*	135*			
	((2/00)	120841			114128	14,2,	86091	45*	458			
7	, 2000A	\$14034S						270	270X			
	124325	134345			131300	240401	86.8,	135	12/135			
1	137375	140130						0 266	ANT			
1	170130	142400			172400	2455	80 17'	270	C300			
1	12500	145200			145401	24°55'	86° [7°		45			
-												
L												