		Radar Scientist									
Fligh	t ID Z	ist Reason Radar Technician Mascaro									
Rada	r Scient	ist Reason Radar Technician Mascaro									
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									
		Select the operational mode for radar system(s) after consultation with the LPS.									
/	4	Complete the appropriate preflight check list.									
In-Fli	ght										
	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									
NA	2.	Once at the IP, request that the tilt be adjusted to remove sea clutter.									
NA	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 f	light										
V	1	Complete the summary checklist and all other appropriate forms.									
NA	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: 201809081+1
Aircraft Number:
Radar Scientist: Reason
Radar Technician: Mascaro
Component Systems Status (Up \uparrow , Down \downarrow , Not Available N/A, Not Used O):
Radar Computer 80 G avail
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 20180908H1 Storm TS Florence

Time (HHMMSS)	Event
10.00	

Doppler Wind parameters

Flight ID: 20180908H1				Doppler flight-leg notes (for use in automatic QC and analysis)				Scier	Scientist: Reason			
Leg Start	Leg End Time	6.		Center Fix			Outh aread	Max Radius	Horz. Res	Sent		
Time		Storm	Motion	Time	Latitude	Longitude	Inbound	Outbound	(km)	(km)	?	
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)	
		265	08									
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