## Radar Scientist

Flight ID	110823Hl Storm Name Huwicane Irene
Radar Scien	ntist LORSOLO Radar Technician Bosko
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	
<u></u>	Determine the status of equipment and report results to the lead project scientist (LPS).
	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 calibrations and check lists as specified in the radar operator's manual.
In-Flight	
/ 1.	Remind the AOC data technician to start the radar capture files.
2.	Operate the system(s) as specified in the operator's manual and as directed by the LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.
3.	Maintain the Radar Scientist's form as well as a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.
Post flight	
1.	Complete the summary checklists and all other appropriate forms.
2.	Obtain from the AOC data technician all radar tapes and give him a thumbnail drive to download the radar capture files.
3.	Brief the LPS on equipment status and turn in completed forms, the thumbnail drive, and all radar tapes to the LPS. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
4.	Debrief at the base of operations.
5.	Determine the status of future missions and notify MGOC as to where you can be contacted.

## **HRD Radar Event Log**

Flight ID 1/08	73 H I S	torm Name	H. Ire	ne	Sheetl_ of
Radar Scientist	LORS	010	Radar Techn	ician	BOSKO
	LF RPM	10 KPM	TA RPM	10 88	11

(Include start and end times of recording as well as times of F/AST legs and any changes of radar equipment status)

Tape #	F/AST On?	Event Time (HHMMSS)	Event					
	V	195300	Take of Time					
			PRF = 2460 Hz					
			TP: 220540					
			IP: 220540 Gt: 22,12N long: 73.97					
			leg#1 Start time: 220540					
			304, 8 kt motion					
		L.	304,8kt motion 27427 21°02N 71°47 U					
			71954					
			End penobration					
			731000					
			End downward					
			233+					
			leg #2: 2337 71° 55' W					

70' 13' W

## HRD Radar Problem Log

Flight ID	Storm Name		Sheet	of
Radar Scientist		Radar Technician_		

(Include times of when recording ended and was restarted)

Tape #	Time (HHMMSS)	Problem					
		Center					
		776 9					
		00067 37406 71°03 N					
		71° 03 N					
		710 51 W					
		End penetrato					
		End penetrato					
		1					

2018

**Doppler Wind parameters** 

Doppler flight-leg notes (for use in automatic QC and analysis)  FLIGHT ID: 110 823 H 1 Scientist: LORSOL □													
Leg Start Time	Leg End Time	Storm I		Center Fix Time Latitude Longitude		Max Radius (km)	Horz. Res	Inbound track	Outbound track	ja?	Angle check?	Sent?	
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	49/98/147/196	1/2/3/4	Azimuth (deg)	Azimuth (deg)	H/TS	(Y/N)	(Y/N)
220540°	13100°	304	8	214100	21°02"N	71°4-'w	245 km	5	117	117	Tal	У	
2552	2128/15	275	8	2406	21312	71°56W	245 km	5	240				
2447	1529/1529	262	8	0100	2(02	7205	245	5	360	360			
	30												
					-								
												*	
						9							
													-