		Radar Scientist
Flight	ID 09	Storm Name Bill
Radar	Scient	ist S. Murillo Radar Technician Terry Lynch
on his	her ass	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.)
Preflig	ght	
84	1.	Determine the status of equipment and report results to the lead project scientist (LPS).
84	2.	Confirm mission and pattern selection from the LPS.
84	3.	Select the operational mode for radar system(s) after consultation with the LPS.
84	4.	Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.
In-Fli	ght	
84	1.	Remind the AOC data technician to start the radar capture files.
34	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.
24	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 f	light	
34	1.	Complete the summary checklists and all other appropriate forms.
Sy	2.	Obtain from the AOC data technician all radar tapes and give him a thumbnai drive to download the radar capture files.
84	3.	Brief the LPS on equipment status and turn in completed forms, the thumbnaid 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.]
34	4.	Debrief at the base of operations.
84	5.	Determine the status of future missions and notify MGOC as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 090820I1

Rada	r Operators: <u>\</u>	lurillo		
Rada	r Technician:	- Lyna	ch	
Num	ber of DAT taj	pes on board	l:	
	Status (Us A D	Nove I Not	Available N/A	Not Used (1):
Component Systems			Post-flight	R/T Serial #
Device	Pre-flight	In-flight	rost-ingit	R/I Serial#
Radar Computer	1	1	V	
DAT drives	1	7	V	
Lower Fuselage antenna	1	11	V	
Tail Antenna	1	1	V	
Time correc		adar time an t flight Sum	d digital time:	
Number of DAT tapes used	d:			
Significant down time:				
Radar Computer	1	Rac	lar LF See	event log
DAT drives	1			event log
Other Problems:				
adars were very	spotty th	+ Holgson	he flight	

HRD Radar Event Log

Flight ID 01082011 Storm Name	Bill	_ Sheet of
Radar Scientist S. Munik	Radar Technician_	T. Lynch
I E DDM	TA DDM	U
LF RPM	TA RPM	

(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					
		074053	take off-from Barbados					
		8080020	radar recording started					
		091930	LF & TA restart both froze					
			TA radar is very notaly espectled					
		1033 - 1037	radar about restart					
		1039	radardown angin					
		1127	codar down again, they took the boards					
			radar was out for the last legot					
			the flight.					
		144633	landed backin Burbadas					
		Alle.						

Doppler Wind parameters

Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: 9982011 Scientist: S. Munico													
Leg Start Time	eg Start Leg End Storm Motion		Center Fix			Max Radius (km)	Horz. Res (km)	Inbound track	Outbound track	ja?	Angle check?	Sent?	
HHMMSS	HHMMSS	Degrees	Knots	Time HHMMSS	Latitude (Deg/Min)	Longitude (Deg/Min)	49/98/147/196	1/2/3/4	Azimuth (deg)	Azimuth (deg)	H/TS	(Y/N)	(Y/N)
090647	100351	305	178	0936	21°39"	60:36	196	4	358	l°	16ttime H znatime TS	Ŋ	Y
103030	112600	302	1.6	1066	2154	60° 531	196	4	120	121	1st time TS	N	Y
NSOIO					22° 10'	n .	- 8		237				
							0 7				4		