	Radar Scientist
	01104H1 Storm Name Tomas
Radar Scien	ntist P. Reason Radar Technician B. Peck
on his/her as	poard radar scientist is responsible for data collection from all radar systems ssigned aircraft. Detailed operational procedures and checklists are contained or's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
<u>M</u> 1.	Determine the status of equipment and report results to the lead project scientist (LPS).
PN 2.	Confirm mission and pattern selection from the LPS.
Pn 3.	Select the operational mode for radar system(s) after consultation with the LPS. Zlas F/A
fr 4.	Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.
In-Flight	Confirm Flight ID of radar tech (20101104/41)
M 1.	Remind the AOC data technician to start the radar capture files.
M 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.
	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	
an 1.	Complete the summary checklists and all other appropriate forms.
M 2.	Obtain from the AOC data technician all radar tapes and give him a thumbnail drive to download the radar capture files.
<u>Pr</u> 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.]
PN 4.	Debrief at the base of operations.

Determine the status of future missions and notify MGOC as to where you can be

contacted.

HRD Radar Scientist Check List

Other Problems:

Fligh	ht ID: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1041+1		
Rada	ar Operators: _	P. Rea	SOL	
Rada	ar Technician:	B. Pee	ell	
Num	ber of DAT ta	pes on board	l:	
Component Systems	Status(IIn A F	Novem I Not	Available N/A	Not Hand (1)
Device	Pre-flight	In-flight	Post-flight	R/T Serial #
Radar Computer	L	7	se et list	
DAT drives	1	7	Anjos in com	
Lower Fuselage antenna		1		
Tail Antenna	L	1		
	n de les les mais		arrived to the	
Time correct	tion between ra	dar time and	d digital time:	
ger out opportunitely of	Radar Post	flight Sum	marv	
colors train in Skill I in the	Radai 1 03t	ingit buin	iiiai y	
Number of DAT tapes used				
Significant down time:				
Radar Computer		Rada	ar LF	
DAT drives	17 197 1871	Rada	ar TA	

HRD Radar Event Log

Flight ID 10 110441 Storm Name	16 mas	_ Sheet of
	Radar Technician_	B. Peek
LF RPM	TA RPM	

(Include start and end times of	of recording as well a	s times of F/AST le	egs and any changes	of radar equipment status)
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Tape #	F/AST On?	Event Time (HHMMSS)	Event
		194800	Take off from St. Croix
View of	1	195500	Start Radar
			Note: shortenes outband Witpers
			Due to lack of scatterers
			Note: 11 4 3rl 4
	N. C.		Lo shift to 135 to better
			cufture region of southerers
A STATE OF THE STA		017400	Dong Radar down
		2	0
	*		
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			•

HRD Radar Problem Log

Flight ID 10104 11 Storm Name	Tomas	Sheet of
Radar Scientist P. Reasol	Radar Technician_	B. Peeh

(Include times of when recording ended and was restarted)

Tape #	Time (HHMMSS)	Problem
7.6 - 27		
***	12.	
7 1		
	*	

SUNOLUIZEI 2 SOON

Doppler Wind parameters

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Arc 2

FLIGHT ID: Lollolly Doppler flight-leg notes (for use in automatic QC and analysis) Scientist: 0 %

11 1456 50 th 100 9 1254 18 18 56 65 91 8182 9 11 138 56 65 91 8182 9 11 14 54 44 14 14 14		Leg Start Time	Leg Start Leg End Storm M Time Storm M HHMMSS HHMMSS Degrees	Storm Motion Degrees Knots	Motion	Time	Center Fix Latitude (Deg/Min)	Longitude (Deg/Min)	Max Radius (km) 49/98/147/196	Horz. Re (km)	Inbound track Azimuth	Outbound track Azimuth		ја?
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1 1456 SQLI U00 9 02 B	5.	234100	2353						986					
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