Radar Scientist

Flight ID_	D1103H4 Storm Name TD Tomas
Radar Scien	tist P. Leason Radar Technician B. Peen
on his/her ass	oard 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 the status of equipment and report results to the lead project scientist (LPS).
PR 2.	Confirm mission and pattern selection from the LPS.
<u>m</u> 3.	Select the operational mode for radar system(s) after consultation with the LPS. 7100 F
M 4.	Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.
In-Flight	Confirm flight ID w/ talar tech (20101103H1)
17(1.	Remind the AOC data technician to start the radar capture files.
	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.
M 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 Scientist Check List

	Fligh	nt ID: 101	103/41							
	Rada	ar Operators: _ ar Technician: .	P. Neas	io N						
	Rada	ar Technician:	B. Pe	k						
	Num	nber of DAT ta	pes on board	l:						
	Component Systems	Status(Up 7, L	own ↓, Not	Available N/A	Not Used O):					
	Device	Pre-flight	In-flight	Post-flight	R/T Serial #					
	Radar Computer	4	7							
	DAT drives		1							
	Lower Fuselage antenna	1	1							
	Tail Antenna		1							
^	Time correct	tion between ra	dar time and	d digital time: _						
	Man and a company of the company									
		Radar Post	flight Sum	mary						
	Number of DAT tapes used:									
	Significant down time:									
	Radar Computer		Rada	nr LF						
	DAT drives Radar TA									
	Other Problems:									

HRD Radar Event Log

Flight ID 101103 H Storm Name Radar Scientist P. Reason	Radar Technician Sheet of
LF RPM	TA RPM/ O

(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
4-3		202930	Take off from Tanga
1		~2050	Start Radar
		~2300	Restart Redar
	been to	2444	LF Losplany -> Problem?
- K-		2448	It problem resolved
			Mate: 10000ft derly 1-85 1
		2528	LF Strick
		2529	LF unstuch
1		~0420	Brilly rader down
			0
1			

HRD Radar Problem Log

Flight ID 101103 H/ Storm Name	Tomas	_ Sheet of
Radar Scientist P. Reason	Radar Technician_	D. Peeh

(Include times of when recording ended and was restarted)

Tape #	Time (HHMMSS)	Problem
	Vertical terms of the	

Doppler Wind parameters

	FLIGHT	Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: 101103 H / Scientist: P Reason												
	Leg Start Time			Center Fix Time Latitude Longitude		Max Radius (km)	Horz. Res (km)	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)
-5	2356	2435	330	5	24//00	1528	75 00	196	4	180	180	TS	Y	Y
		250450			75300	15.12	75 12					и		
W	251000	754800	370	5	25300	15 17	7512	N	Ч	260	270	N	N	1
E	255200	293000	330	5	260820	15 17	7520	- ^ \	u			1(N	
			-/											
	+													