Radar Scientist

Flight I	0//0723I/ Storm Name
Radar S	cientist P, Leighton Radar Technician Toe Bos (0)
on his/he	on-board radar scientist is responsible for data collection from all radar systems er assigned aircraft. Detailed operational procedures and checklists are contained erator's manual. General supplementary procedures follow. (Check off or initial.)
Prefligh	t
Uf 1	Determine the status of equipment and report results to the lead project scientist (LPS).
2	. Confirm mission and pattern selection from the LPS.
7 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-Fligh	
1	Remind the AOC data technician to start the radar capture files.
Vaf 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 flig	nt
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.]
Uf 4.	Debrief at the base of operations.
RY5.	Determine the status of future missions and notify MGOC as to where you can be contacted.

	HRD Radar	Scientist Ch	ack List					
	11/	37-72	T/					
	ght ID: //C	TAC	41					
Radar Operators: P. Leight								
Rad	lar Technician:	Joe	Bosco					
Nur	nber of DAT ta	pes on board	1: 10+	Line manage date				
Component Systems	Status(Up 1, I	Down ↓, Not	Available N/A	Not Used O):				
Device	Pre-flight	In-flight	Post-flight	R/T Serial #				
Radar Computer	7	9		BY AND				
DAT drives	7	9						
Lower Fuselage antenna	7	7		102				
Tail Antenna	gr	7		201				
Time correct	ction between ra	adar time an	d digital time:					
Time correct	tion between it	adai tiille ali	u digital time.					
	Radar Post	t flight Sum	mary					
Number of DAT tapes used	d:							
Significant down time:								
Radar Computer Radar LF								
DAT drives Radar TA								

Other Problems:

Ø2 ØYE

HRD Radar Event Log

			9		
Flight ID // 0723 ± Radar Scientist > 1	Storm Name	75 D Radar Tech	onician_	Sheet _	dof_ Besco
LF RPM	2	TA RPM _	10		
(Include start and end times of	recording as well as tim	es of F/AST legs a	nd any cha	nges of radar	equipment status)

Tape #	F/AST On?	Event Time (HHMMSS)	Event
SHILL SE	ALAIN - 2	17,700	Start Data Rundy
	1-11-1	111100	Sia para que
1			
14 - 14	ST ST	AT LAND	
		n 3 4 5 18 /	

HRD Radar Problem Log

Flight ID // OD3 Storm Name	75. Dora	_ Sheet _ /	_ of
Radar Scientist & Legita	Radar Technician_	Toe Bo	0320

(Include times of when recording ended and was restarted)

Tape #	Time (HHMMSS)	Problem
	A STATE	
		Not Clearing error mes Sage
		pourlier
	7148	
	2195	Ad Down ush
		but both to dix
	Saille	4
	Z239	Reha Back op
	Mars History	

FDir. Ian Sews

Doppler Wind parameters O264E DORA

Doppler flight-leg notes (for use in automatic QC and analysis)													
FLIGHT ID: //0723T/ TS, Dasc Scientist: P, Leighton													
Leg Start Time	Leg End Time	Storm Motion -		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)
165930	Tahe	A 235	-8	Big	21,3	111,9							
	702 :00					19							
193000	45325	-305	8	195325	21.36	1/2.57			90	90			
Exatust	2043												
204600	2/4/000	312	10,5	2112	21,75	112.74			210	210			
204600	2200												4
2202													
14													