Radar Scientist

Flight ID_	Storm Name AL92
Radar Scie	ntist KLOTZ Radar Technician D. NAEHER
on his/her a	board radar scientist is responsible for data collection from all radar systems ssigned aircraft. Detailed operational procedures and checklists are contained tor'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).
	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.
<u> </u>	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

Flight ID: 100913 I

Rada	r Operators: _	D. NA	EHER	The on-			
Rada	r Technician:	D. NA	EHER	on his ther a			
Num	ber of DAT ta	pes on board	d:	Pergaliant			
	G (II A I	LAL	A '1 11 N/A	N-4H-40)			
Component Systems Device	Status(Up †, 1 Pre-flight	Jown ↓, Not In-flight	Post-flight	R/T Serial #			
Device	11e-mgm	In-inght	1 ost-mgnt	K/I Serial #			
Radar Computer		rational (and					
DAT drives	reflight calibrat	stançorqe	Complete the				
Lower Fuselage antenna		- patriasiri, g		tofolf8-ml			
Γail Antenna							
	Radar Pos	t flight Sum	mary				
Number of DAT tapes used	:		_				
Significant down time:							
Radar Computer	estit sustant	Rada	Radar LF				
		Dod	or TA				
DAT drives		Kau	ar rA				

HRD Radar Event Log

Flight ID 100913I Storm Name Radar Scientist KLOTZ	AL92 Radar Technician_	Sheet of
LF RPM	TA RPMN43	- French antenna

(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?						
,		215807	take off				
		220858	radar down				
		221000	radar back on				
		231100	redar reset				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		005230	start of first inbound leg				
		010927	center of first pass				
		012651	end of first leg				
		0 53 31	switch to sector mode				
		015433	start of 2nd leg (northbound)				
		020000	radar stopped				
		021400	radar ruhning				
		023114	end of and leg				
		040800	workstation shut off				
		0545	landed in St. Croix				
7							

Initial Center 16.5 80.6 Doppler Wind parameters

Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: Scientist:													
Leg Start Leg End Time Time	Storm Motion		Center Fix Time Latitude Longitude			Max Radius (km)	Horz. Res	Inbound track	Outbound track	ja?	Angle check?	Sent?	
HHMMSS	HHMMSS	Degrees	Knots	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)
245230	(25265t	275°	14	250927	16 000	79° 24'	245	5	269°	2710	T5	N	У
245230	254007						Married Married Sy the A	ad end			200000	W CHOICE	
255433	263114	275°	14	26/240	16001	79°24′	2145	5	10	10		N	У
255433	264300		> pr	ocessed	leg from	2614	to 2642 du	ie to rad	cr out	age	The second	pur suo	
							alection is seed that roofs shall	times, times,	. 5		The June	familie.	
									1		Groves a		
							persuni approach personal				ed rada	the front	
				TO CAL	di di di		Peru constitution of the c		Na state		Sec. and	brief all	
							2 023	223			-		
			6 V1										