Radar Scientist

Flight ID_	110824 H1 Storm Name Trene
Radar Scien	ntist Reason Radar Technician Nacher
on his/her as	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).
2.	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.
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.]
	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: 110824H4

Radar Operators: ReasoR										
Radar Technician: Nechec										
Number of DAT tapes on board:										
Component Systems	Component Systems Status(Up ↑, Down ↓, Not Available N/A, Not Used O):									
Device Pre-flight In-flight Post-flight R/T Serial #										
Radar Computer	7	1								
DAT drives		9	Como de l'Ame							
Lower Fuselage antenna	1	1								
Tail Antenna	1 Part of the last	1								
Time correct	tion between ra	dar time and	d digital time: _							
	Radar Post	flight Sum	marv							
	144441 1 050		J. J							
Number of DAT tapes used:										
Significant down time:										
Radar Computer Radar LF										
DAT drives Radar TA										
Other Problems:										

HRD Radar Event Log

Flight ID	08241+	Storm Name	Radar Technician Nacher						
Radar Scien	ntist\C	easoil	Radar Technician Nacher						
	LF RP	M	TA RPM \ 0						
(Include start	(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						
		081400	Takeoff Radar up London						
		~083000	Radarup						
		~162500	1,000						
THE REAL PROPERTY.			Y						
1 Variation									
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All									
	The state of								

HRD Radar Problem Log

Flight ID 1/0824H1 Storm Name	Trene	_ Sheet of
Radar Scientist Reason	Radar Technician_	Nacher

(Include times of when recording ended and was restarted)

Tape #	Time (HHMMSS)	Problem
	FWITT	

Doppler Wind parameters

	Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: 08744 Scientist: Reason													
7	Leg Start Time	eg Start Leg End Starm Mation		Center Fix Time Latitude Longitude		Max Radius Horz. Res	Inbound track track		ja? Angle	Angle check?	Sent?			
	HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	Longitude (Deg/Min)	49/98/147/196	1/2/3/4	Azimuth (deg)	Azimuth (deg)	H/TS	(Y/N)	(Y/N)
5	102445	110930	311	10	104627	2150	7314	245	5	171	180	H	~	
	110930	112240												
)W	112410	120545	318	9	1144	2157	7320			316	315	\	V	
	120710	121420				77/1-	בנוגל							
	121935	130720	313	10	1242	2206	7728			89	85			
	130830	1321												
W	1371	140610	311	12	1344	2216	7340			227	224			
A								with the state of						