Radar Scientist

Flight ID_	110876II Storm Name Irene
Radar Scien	ntist Regsoll Radar Technician Nache
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	
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.
	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: 1087671

Radar Operators:								
Radar Technician: Nachec								
Number of DAT tapes on board:								
Component Systems	Status(IIn A D	own I Not	Available N/A	Not Hand O):				
				Control of the second second				
Device	Pre-flight	In-flight	Post-flight	R/T Serial #				
Radar Computer	1	P						
DAT drives)	1						
Lower Fuselage antenna	\downarrow	1 *						
Tail Antenna	7	7 *						
	** 5	see prol)	em sheet					
Time correction between radar time and digital time:								
DAT drives Lower Fuselage antenna * Sur problem Sheet Time correction between radar time and digital time: Radar Post flight Summary Number of DAT tapes used: Significant down time: Radar Computer Radar LF DAT drives Radar TA								
Number of DAT tapes used	:							
Significant down time:								
Radar Computer Radar LF								
DAT drives		Rada	ar TA					
Other Problems:	Other Problems:							

HRD Radar Event Log

Flight ID_	108261	Storm Name	Radar Technician Neeher					
Radar Scien	ntist	leasor	Radar Technician Nacher					
	LF RP	M	TA RPM					
(Include start	and end times o	of recording as well as tin	nes of F/AST legs and any changes of radar equipment status)					
Tape #	F/AST	Event Time	Event					
Tupe "	On?	(HHMMSS)						
		080700	Talkoff Radar rewarding Start Concling					
		081700	Radar recording Start					
		153800	Concliny					
			8					
-								

HRD Radar Problem Log

Flight ID 10876 Tl Storm Name	Irene	_ Sheet of
Radar Scientist Reason	Radar Technician	Nacher

(Include times of when recording ended and was restarted)

Tone #	Time	Problem						
Tape #	(HHMMSS)	riobiem						
	v 174500	1R (1) 1 1 1 1 1 1 1						
	before	LF radur down restarted TA radar down						
	cye stl Pas	1 A ridar down						
	1							
E CANTELLE								
		Trible on the control of the control						
		The late the second						
		the state of the second section of the second section is a second						

Doppler Wind parameters

	Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: 1/087671 Scientist: Reason													
	Leg Start Time	Leg End Time	Storm N	Storm Motion		Center Fix Time Latitude Longitude		Max Radius Horz. Re	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)
,	090727	097840	355	13	093130	2931	7722	245	5	358	0.34	H	N	4
	100200	101515												
E	101630	111040	000	7	1044	2945	7719		V	133	135	B		7
	11200	113045												
	113813	123100	360	13	120620	3004	7720			270	269			4
	123200	124600			13/200	3518	7777							
Æ	124700	133525	355	14	131000	3018	7722			43	46			Y
Siz	133700													N
-											11			