Radar Scientist

Flight ID_	2011 082+11 Storm Name _ trene		
Radar Scie	entist Marks Radar Technician Dana		
on his/her a	board radar scientist is responsible for data collection from all radar systems assigned aircraft. Detailed operational procedures and checklists are contained ator'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.		
	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.]		
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:	1082		
Rada	ar Operators: _	Mark	s/Sella	ind
	ar Technician:	X	ra Ma	eher
Num	ber of DAT ta	pes on board	l:	mago oth ut
Component Systems	Status(Up ↑, I	own ↓, Not	Available N/A	, Not Used O):
Device	Pre-flight	In-flight	Post-flight	R/T Serial #
Radar Computer	~	V	/	
DAT drives	V		V	
Lower Fuselage antenna	V	/		,
Tail Antenna	V	/		
		INE]		
Time correc	tion between ra	adar time an	d digital time: _	5
	Radar Pos	t flight Sum	mary	
Number of DAT tapes used	l:			
Significant down time:	NA			
Radar Computer	101111111111	Rad	ar LF	
DAT drives	our box mosts r	Rad	ar TA	
Other Problems:				

020/12

HRD Radar Event Log

(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 Event Time (HHMMSS) Event \[\text{VOR 04} \] \[\text{VOR 093700} \] \[\text{Start legs well as times of F/AST legs and any changes of radar equipment status)} \[\text{VOR 04} \] \[\text{VOR 093700} \] \[\text{VOR 095330} \] \[\text{VOR 0950} \] \[all radar cells of N g I all radar cells of N g		LF RPN	м	_ TARPM _ 10 French Aute
On? (HHMMSS) X 080 4 TO KMCT (193700 Start leg 1 W51W) 46 50 cm (193700 G 34.8"76.38951 bPa 1003750 G 34.8"76.38951 bPa 1003750 G 34.8"76.38951 bPa 1149 G 34 39 7635 T	(Include start a	and end times of	f recording as well as tin	nes of F/AST legs and any changes of radar equipment status)
2004 TO KMCT 8 KHE (093700 Start 100 1050 H) 6 Start 100 1050 G 31.8"76.38951 hPa 100850 G 31.8"76.38951 hPa 1003750 G) 34 19 7427 (100850 G) 34 19 7427 (1018 110530 G) 34 39 7635 T	Tape #			Event
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100850 G 34.18"76.38951 hPa 1003750 G) 34 19 7427 San's 110530 G) ween duele of 1149 G 34 38 76357 1213 TK 045 1252 G) TK BJO und Close +60 G) I			093700	Start leg 1 WSW 7, 6 ten
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1149 9 34 39 7635 T 1213 DTK 045 1252 5) TK Byo und Close +6 6 1	P	244	11000	6
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1213 PTK 045 1252 5) TK B to und Close +6 6 a			1146	6 211 29 21 25
1252 5) TK BJO und Close +60 6) 1			1117	9 74 1 (T6 3) 1K
1340 (P) end 3rd			1213	D TK 045
1340 (P) end 3rd			1252	(5) Tk 340
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1910 (end 3rd ,			1240	(10) au
near ILM Dopplar			910	
				rear ILM Dopplare

HRD Radar Problem Log

Flight ID 2011 0827 I	Storm Name Trene	Sheet 2 of 2
Radar Scientist Ma	Storm Name None Radar Technician	Dana Macher

(Include times of when recording ended and was restarted)

Time (HHMMSS)	Problem
	14 - 101 14 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	NAME OF TAXABLE PARTY.
3192	
	Time (HHMMSS)