1009031+ | Radar Scientist

Flight ID	Storm Name Esch
Radar Scien	ntist Reason Radar Technician Bosho
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 for'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.
	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.
<u></u>	Determine the status of future missions and notify MGOC as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 1009 03 14 1

lures follow. (Check off or	-1 CDATE	snoral supple	ox's magual. Gr	steqo adi ni
Nu	mber of DAT ta	ipes on board	d:	Preflight
Component System	s Status(Up †, I	Down ↓, Not	Available N/A	Not Used (1):
Device	Pre-flight	In-flight	Post-flight	R/T Serial
Radar Computer		Low londitor		
DAT drives	teatiles significati	stanqonqqs	201 31 40 1000	
Lower Fuselage antenna		Summer 6	TOTAL ENGINEERS	
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radar destars files. critor's manual and as directs numed by the AOC flight di	etion between ra			1
Tail Antenna Time correct Number of DAT tapes used	Radar Post			Took Hight
Time correct	Radar Post			ntgill too'l
Time correct	Radar Post	flight Sum	mary	Indigit Scott

HRD Radar Event Log

20101			Radar Technician Sheet of					
	LF RP	M_ LD	TA RPM					
nclude start a	and end times o	f recording as well as tim	nes of F/AST legs and any changes of radar equipment status)					
Таре #	F/AST On?	Event Time (HHMMSS)	Event					
		104300	Take off					
	Y	111200	Take off Start Recording					

HRD Radar Problem Log

Flight ID 100903 141 Storm Name	Earl	Sheet of	
Radar Scientist Reason	Radar Technician_		

(Include times of when recording ended and was restarted)

Tape #	Time (HHMMSS)	Problem
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		had to restart lafter better
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Davidson (
31.852 5 1 1 1 1 1 1 1 1		

* Downwind

516

Doppler Wind parameters

Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: 100903141 Scientist: Reason												
Leg Start Leg End Time Storm Motion		otion	Center Fix			Max Radius	Horz. Res	Inbound	Outbound	ja?	Angle	Sent?
HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	49/98/147/196	1/2/3/4	Azimuth	Azimuth	Ĥтs		(Y/N)
133430	005	12	1308	3621	7329	245.	5	(deg)	(deg)	H	N	Y
135800												7
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