## Radar Scientist

	1010231 Storm Name Richard
Radar Scien	ntist Vokicevic Radar Technician Nocher
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	On? (HHMMSS)
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.]
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 Event Log**

Radar Scientist VUKICEVIC	Radar Technician_	Sheet	_ of _	
LF RPM	TA RPM			

(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						
		02:11	roor from restanted room went ort						
		04:33	radu from / restanted						
		06:29	roed went ort						
		0630	roor went at agoin						

**Doppler Wind parameters** 

Doppler flight-leg notes (for use in automatic QC and analysis)  FLIGHT ID: 10/0237 Scientist: VUKICEVIC													
Leg Start Leg End Time Time	Leg End	Storm N		Time	Center Fix		Max Radius (km)	Horz. Res	Inbound	Outbound track	ja?	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)
051302	061306	2.70	6	052804	16/8	82/13	245	5	94	52	75	A	Y
261306	0703	270	6	063818		82/19					TS	H	Y
0645	0803	270	6	065243	16/5	81/50	4 S T T T T T T T T T T T T T T T T T T				TS	4	Y
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