## **Radar Scientist**

Flight 1	ID 20/	4082411 Storm Cristobal Radar Scientist Abers on Game
on his/h	ner assi	ard radar scientist is responsible for data collection from all radar systems gned aircraft. Detailed operational procedures and checklists are contained 's manual. General supplementary procedures follow. (Check off or initial.)
Preflig	ht	
	1.	Determine status of equipment and report results to 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 check list.
In-Flig	ht	
	1.	Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.
_	2.	Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of radar recording. Also document any equipment problems or changes in R/T, INE, or signal status.
Post fli	ght	
	1.	Complete the summary checklist and all other appropriate forms.
	2.	Download all Tail (TA) radar data files to thumb drive.
	3.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
	4.	Debrief at the base of operations.
	5.	Determine the status of future missions and notify HFP Director as to where you can be contacted.

**Doppler Wind parameters** 

Flight ID:				Doppler flight-leg notes (for use in automatic QC and analysis)				Scient	Scientist:			
Leg Start Time	Leg End Time	Storm Motion		Center Fix		Longitude	Inbound track	Outbound track	Max Radius Default = 245	Horz. Res Default = 5	Sent ?	
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	Degrees	Degrees	(km)	(km)	(Y/N)	
				17:47:50	24 12	72 46						AF
				19:33:50	24 24	72 52	90	90	245	5	manual to aomil	AF
193817	203120	340	OU	20:07:59	24 23	72 50						
203120	nuind 205524			21:17:10	24 32	72 57						AE
m 205524	out 222100	275	02	21:53:46	24 24	72 56	210	210	246	5	Y	
222(00	225000			23:08:20	24 31	73 05			1-1			A
225000	234925	230	07	23:19:43	24 17	13 05	330	33 0	245	5		
							1					
												1

1001 mb F.42kt SFMR 39kt FL 999 mb X F: 24kt SFMR 44kt FL

999mb 314t SFMR BATFL

999 mb x
31 kt SFMR
44|xtFL
999 mb
35 kt SFMR
45 kt FL

997 M bX 35 kt SAMR 31 kt FL

999 m5 45 kt SF MR 45 kt FL