Radar Scientist

Flight ID 130907H1 **Storm** Gabrielle **Radar Scientist** Bucci

The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual. General supplementary procedures follow. (Check off or initial.)

Preflight

_____ 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-Flight

_____ 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 flight

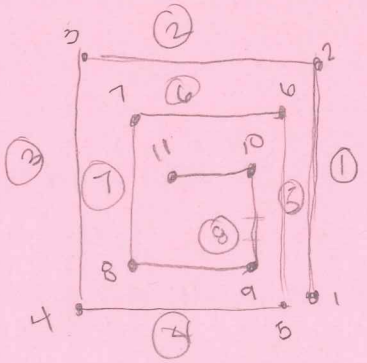
_____ 1. Complete the summary checklist and all other appropriate forms.

_____ 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.



Center:

69 W 22N

MOTION:

0 0

Doppler Wind parameters

Flight ID: 130907H1	Doppler flight-leg notes (for use in automatic QC and analysis)	Scientist: Bucci

Leg Start Time	Leg End Time	Storm Motion		Center Fix			Inbound	Outbound	Max Radius (km)	Horz. Res (km)	Sent ?	
				Time	Latitude	Longitude						
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)	
16:08:00	165000	0	10	162900	22 N	69 W	0	0			Y	①
165500	173700	0	10	171600	22 N	69W	270	270			Y	②
174000	181700	0	10	175830	22 N	69 W	180	180			Y	③
181900	185400	0	10	183630	22N	69W	90	90			Y	④
185600	192100	0	10	190830	22N	69W	0	0			Y	⑤ 7
192300	195300	0	10	193800	22N	69W	270	270			Y	⑥ 7
195500	201400	0	10	200430	22N	69W	180	180			Y	⑦
201600	211500	0	10	204530	22N	69W	90	270			Y	⑧