Radar Scientist

Flight ID 20140702I **Storm** Arthur **Radar Scientist** Jun Zhang

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.

John Gamache is doing the job file for this flight.

HRD Radar Event Log

Flight ID 20140702I1 Aircraft 43
Radar Scientist Jun Zhang Radar Technician Dana

(Include down time and times of when recording ended and was restarted)

John Gamache is doing Dob files on the ground

Time (HHMMSS)	Event
18:12	take off
Z1	

Doppler Wind parameters

Flight ID:				Doppler flight-leg notes (for use in automatic QC and analysis)					Scientist:		
Leg Start Time	Leg End Time	Storm Motion		Center Fix			Inbound track	Outbound track	Max Radius Default = 245	Horz. Res Default = 5	Sent ?
				Time	Latitude	Longitude					
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	Degrees	Degrees	(km)	(km)	(Y/N)
	18:53										
	1933										
	20:08										
	2029	center									

– end of down wind