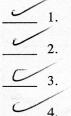
Radar Scientist

Flight ID 160809 Il Storm Javier Radar Scientist Reason

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



Determine status of equipment and report results to lead project scientist (LPS).

Confirm mission and pattern selection from the LPS.

Select the operational mode for radar system(s) after consultation with the LPS.

Complete the appropriate preflight check list.

In-Flight



12.

Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.

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



Complete the summary checklist and all other appropriate forms.

- Download all Tail (TA) radar data files to thumb drive.
- Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.

Debrief at the base of operations.

Determine the status of future missions and notify HFP Director as to where you can be contacted.

HRD Radar Scientist Check List
Flight ID: 16090971
Aircraft Number: <u>N4</u>
Radar Scientist: Reeson
Radar Technician: Told Richards

Component Systems Status (Up ↑, Down ↓, N	Not Available N/A, Not Used O)
Radar Computer	1.
Lower Fuselage (LF) Antenna	· · · · · · · · · · · · · · · · · · ·
Tail (TA) Antenna	

Time correction between LF radar time and digital time: ____

TA Radar Parameters:

(Single/Dual) PRF	F/AST (Y/N)	Rotation Rate	RPM

Sweeps/File _____ Record 2nd Trip (Y/N) (Circle appropriate status)

Radar Post flight Summary

Significant down time:

Radar LF _____

Radar TA _____

Other Problems:

HRD Radar Event Log

Flight ID <u>i608ッタエイ</u> Aircraft _	NYJ	0.
Radar Scientist <u>Reason</u>	Radar Technician	Filleres

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

Time (HHMMSS)	Event
	Tcheoff

EP112016

2

Doppler flight-leg notes Flight ID: (6080911 Scientist: Reason (for use in automatic QC and analysis) Leg Start Time **Center Fix** Leg End Time Max Inbound Outbound Sent Horz. Res Storm Motion Radius track Time Latitude track Default = 5 2 Longitude Default = 245 HHMMSS HHMMSS Degrees HHMMSS Knots (Deg/Min) (Deg/Min) Degrees Degrees (km) (km) (Y/N) 084150 2704 IP 110 39 081651 090329 315 4 315 245 315 5 084150 2307 11039 PW 093344 093510 093544 Pass 315 2315 11038 4 095815 45 45 245 5 101606

Doppler Wind parameters