Radar Scientist									
Flight ID	20140 03I Storm Arthur Radar Scientist Jun Zhang								
on his/her a	board radar scientist is responsible for data collection from all radar systems assigned aircraft. Detailed operational procedures and checklists are contained ator'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.								
2.	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.								
<u> </u>	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.								
In-Flight 1 2. Post flight 1 2 3 4.	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. 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.								

HRD Radar Scientist Check List

Fl	ight ID: 2014070	321
Ai	ircraft Number:	Salatalian salata biling and an
Ra	adar Scientist:	. Zhang
Ra	adar Technician:	nci Ida
Component Systems Sta	tus (Up ↑, Down ↓, Not	Available N/A, Not Used O):
Radar Computer	le (Storen se Selez so) ebec	
Lower Fuselage (LF) Antenna	4. Complete the appropriate
Tail (TA) Antenna _		1dg
Time cor TA Radar Parameters:	rection between LF rada	r time and digital time:
(Single/Dual) PRF _	F/AST (Y/N)	Rotation Rate RPM
Sweeps/File	Record 2 nd Trip (Y/N)	(Circle appropriate status)
	Radar Post flight	Summary
Significant down time:		
Radar LF	ono terre	
Radar TA		
Other Problems:		

TORN FIRME

Joseph Patton

HRD Radar Event Log

Flight ID	Aircraft \$3 43	
Radar Scientist	Radar Technician	

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

A. A.	4					
Ø3			Time (HHMMSS)	Lat 1	Lon	Event
Charles and the Control of the Contr	1st Le	IP	202035	\$ 33°22,7'N	7855.1W	
		CEMT	203148	33 2150	7758.50	
10 m	21/150	TURN	205230	3 30.21, 31	7621,6	
27	377515	EP	211150	33° 52,3′ 33° 52,3′	77051.5	
3	33 523 77515 2"Leg	IA	211150	3352,3'	77°51,51	
1		CENT	211820	3326,2'	77%,61	
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	Cadyon.	EP				
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Meun navgator	^	3				
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San		EP				
) NO Fly Four		EF				
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	1					1

977 mb! Ws: 125 kts

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 Latitude	Longitude	Inbound	Outbound	Max Radius	Horz. Res (km)	Sent ?
HHMMSS	HHMMSS	Degrees	Knots	Time HHMMSS	(Deg/Min)	(Deg/Min)	track	track	(km) Default = 245	Default = 5	(Y/N)
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	2										
	李玉										
	1										
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		24						the state of the s			
garage of the second											





