Radar Scientist

Flight	ID 3019	Storm EKIKA Radar Scientist Kist E						
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.)								
Preflig	ght							
	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	ght							
	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 fl	ight							
	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.						

HRD Radar Scientist Check List

Flight ID: 2015082811
Aircraft Number:NOAA 43
Radar Scientist: Klotz
Radar Technician: Richards
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):
Radar Computer
Lower Fuselage (LF) Antenna
Tail (TA) Antenna
Time correction between LF radar time and digital time:
TA Radar Parameters:
(Single/Dual) PRF (Single/Dual
Sweeps/File Record 2 nd 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 20150828II Airci	raft_NOAA43	Oid ade
Radar Scientist Klotz	Radar Technician	Kicharas

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

Time	Event
(HHMMSS)	8 1 0 1 1
0450 Z	Both Radars up
11422	Relar off

Doppler Wind parameters

Flight ID:	20190823	11		Doppler flight-leg notes (for use in automatic QC and analysis)				Scienti	Scientist:		
Leg Start Time	Leg End Time	Storm I	Motion	Time	Center Fix Latitude	Longitude	Inbound track	Outbound track	Max Radius Default = 245	Horz. Res Default = 5	Sent ?
HHMMSS	ннммз	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	Degrees	Degrees	(km)	(km)	(Y/N)
0735 2	X:0823 30:1853	270	15	080255	16°54'	67°/18'	360°	360°	245	5	Y
0853	X 0934	270	15	091034	17°/9′	67:/31	Mo	O/p.	245	5	7
								1000			
											1 (2) (b) (c) (d) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d