## Radar Scientist

Flight ID 20	5082611 Storm EltkA Radar Scientist Klotz
on his/her ass	pard radar scientist is responsible for data collection from all radar systems igned aircraft. Detailed operational procedures and checklists are contained r's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
1.	Determine status of equipment and report results to lead project scientist (LPS).
	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.
	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.

## HRD Radar Scientist Check List

Flight ID: 2015 08 26 1
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 2100 F/AST (Y/N) Rotation Rate RPM
Sweeps/File Record 2 <sup>nd</sup> 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 201508261	Aircraft	NOAA43	0.11.	
	otz	Radar Technician_	Kichards	

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

Time (HHMMSS)	Event							
053500Z	Radars himed on							
0550	Issue of albin/tds Prog Send, only looded one wind							
	Sonia provided note and fixed the problem at 0555							
12412	Sonia provided note and fixed the problem of 0555 Had issue sending 3rd analysis							
12277	Radar tuned of							

**Doppler Wind parameters** 

Flight ID: 20150826I)				Doppler flight-leg notes (for use in automatic QC and analysis)				Scient	Scientist: 410+3		
Leg Start Time	Leg End Time	Storm	Motion	Time	Center Fix Latitude	Longitude	Inbound track	Outbound track	Max Radius Default = 245	Horz. Res Default = 5	Sent ?
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	Degrees	Degrees	(km)	(km)	(Y/N)
062800	XS:0817 3D:0849	275	15	070555	15°/32'	55°/18′	500	45*			Y
०५५१ ००	x5 0955 30 1017	296	16	091830	18/56	55°/40'	[80"	(80°			4
102700	XS>1154 3D=1154	280	14	Use NHC position	r	<b>&gt;</b>	3000	300°			7
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