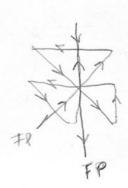
## Radar Scientist

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Flight ID 20150126 IZ Storm Erika Radar Scientist Real	3310
The on-board radar scientist is responsible for data collection from all radar sy on his/her assigned aircraft. Detailed operational procedures and checklists are con in the operator's manual. General supplementary procedures follow. (Check off or in	tained
Preflight	
1. Determine status of equipment and report results to lead project scientist (L	PS).
2. Confirm mission and pattern selection from the LPS.	
<ol> <li>Confirm mission and pattern selection from the LPS.</li> <li>Select the operational mode for radar system(s) after consultation with the I</li> </ol>	LPS.
4. Complete the appropriate preflight check list.	
In-Flight	
1. Monitor the Tail Doppler Radar function regularly, using the realtime display, to make sure the Doppler radar is scanning and working normally.	TDR
2. Maintain the Doppler Wind Parameter form as well as a written comment the Radar Event Log of event times, such as ending and restarting of recording. Also document any equipment problems or changes in R/T, II signal status.	radar
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 to the LPS.	drives
4. Debrief at the base of operations.	
5. Determine the status of future missions and notify HFP Director as to whe can be contacted.	re you



5TA  0305A

## HRD Radar Scientist Check List

	Flight ID: 2015092672
	Aircraft Number: N43
	Radar Scientist: Reason
	Radar Technician: Dan Nacher
	ns Status (Up ↑, Down ↓, Not Available N/A, Not Used O
Radar Comput	er
Lower Fuselag	e (LF) Antenna
Tail (TA) Ante	enna
	PRF F/AST (Y/N) Rotation Rate RPM  Record 2 <sup>nd</sup> Trip (Y/N) (Circle appropriate status)
	Radar Post flight Summary
Significant down ti	me:
Radar LF _	
Radar TA _	
Other Problems:	
Trigger	ile hat It date of s

## **HRD Radar Event Log**

Flight ID ZOIS	10826 IZ Aircraft 1943  Reason Radar Technician Dane Nacher
Radar Scientist	(Include down time and times of when recording ended and was restarted)
Time	Event
(HHMMSS)	Event
165573	T10
170029	CF 4
v 165523	TAT
220600	Clind from 5 -> 10 Kft for AF

**Doppler Wind parameters** 

Flight ID:		Doppler flight-leg notes (for use in automatic QC and analysis)					Scienti				
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	ННММSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	Degrees	Degrees	(km)	(km)	(Y/N)
1726	181700	280	15	175054	15 59	58 35	45	45	245	5	
									-R 22 - W	Anna No	
	er gerinde gerinde. 1990 talen i Salanda		. Sergenary		10 de	( Whotel	ing stayens	skines and be undirected	and recognition that	an (1, 1 <sup>-1</sup> , 17)	
						E-70-7/9-4					
					PRO Paris Services				Para di Para d		
									dia .		
										All processing	
								Security Sec			
					10 mm (10 mm)				en e		

etc. etc.