Radar Scientist

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Flight	ID	Storm FRANKLIN
Radar	Scienti	st ALAKA Radar Technician NAEHER
on his/	her assi	ard radar scientist is responsible for data collection from all radar systems gned aircraft. Detailed operational procedures and checklists are contained '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).
		Confirm mission and pattern selection from the LPS.
<u> </u>		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 real-time TA display, to make sure the Doppler radar is scanning and working normally.
	2.	Once at the IP, request that the tilt be adjusted to remove sea clutter.
	3.	Request that the LF radar is set to full scan (non-sector mode) for first Figure 4.
	4.	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	Value of the second sec
	1.	Complete the summary checklist and all other appropriate forms.
	2.	Download all Belly (LF) scan radar data files to thumb drive.
	3.	Download all tar'd (TA) radar data files to thumb drive.
	4.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
	5.	Debrief at the base of operations.
	6.	Determine the status of future missions and notify HFP Director as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 20170809 H 1
Aircraft Number:
Radar Scientist: ALAKA
Radar Technician: DANA NAEHER
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):
Radar Computer
Lower Fuselage (LF) Antenna
Tail (TA) Antenna
Radar Post flight Summary
Significant down time:
Radar LF
Radar TA TDR reboot before IP
Other Problems

HRD Radar Event Log

Flight ID 20170809141	_Storm_FRANKLIN						
Radar Scientist ALAKA	Radar Technician NAEHER						
(Include down time and times of when recording ended and was restarted)							

Time (HHMMSS)	Event								
084500	TDR was rebooted. Prior to IP								
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Doppler Wind parameters

Flight ID: 20170809 H1				Doppler flight-leg notes (for use in automatic QC and analysis)				Scier	Scientist: ALAKA			
Leg Start Time	Leg End Time	Storm I	Motion	Center F			Inbound	Outbound	Max Radius (km)	Horz. Res (km)	Sent ?	
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)	
102800	112000	280	12	105600	20° 13	93° 11′	1800	180°			~/	
115000	114000	ı	, ,1			•	55°				/	
114000	123400	Y.	<i>ν</i> !	120200	20°11'	93°18'	290°	2900			7	
123:400	125000	11	,,				150°				7	
125700	134500	٠,	, t	132000	20°09'	93°25'	60° =	60°			//	
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