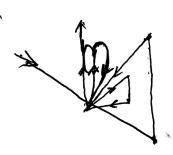
Radar Scientist

Flight II	2016 1005 1 Storm Mouthew
Radar S	cientist Hui Christopler John Gamache Radar Technician Mascar
on his/he	on-board radar scientist is responsible for data collection from all radar systems or assigned aircraft. Detailed operational procedures and checklists are contained erator's manual. General supplementary procedures follow. (Check off or initial.)
Prefligh	t .
$\frac{\checkmark}{}$ 1	Determine status of equipment and report results to lead project scientist (LPS).
2	Confirm mission and pattern selection from the LPS.
<u> </u>	Select the operational mode for radar system(s) after consultation with the LPS.
<u> </u>	Complete the appropriate preflight check list.
In-Fligh	t e e e e e e e e e e e e e e e e e e e
1	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	
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 fligh	nt
1.	Complete the summary checklist and all other appropriate forms.
<u>/</u> 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.
<u> </u>	Determine the status of future missions and notify HFP Director as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 2016 1005 11
Aircraft Number:NOAA3
Aircraft Number:
Radar Technician:
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
Other Problems:
There were twice power outage during 12152 to 12383.

Actual track:



HRD Radar Event Log

Flight ID 2016 100511	Storm	Matthew
Radar Scientist Christoph	Sen Ganeche Radar T	echnician Mascar

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

Time (HHMMSS) D702 Plane takes oft 0807 plane loiters for ~40 min flue to mechanic issue 0955 center drop 1025 end point drop 1113 max wind drop (two drops) 1143 high wind drop 121(-1238) 121(-1238) 121(-1238) 121(-1238)		
plane loiters for ~40 min flue to mechanic issue o955 center drop 1025 end point drop 1113 mess wind drop (two drops) 1143 high wind drop	1	Event
1025 center drop 1025 end point drop 1113 max wind drop (two drops) 1143 high wind drop	5702	Plane takes off
1025 center drop 1025 end point drop 1113 max wind drop (two drops) 1143 high wind drop	7080	plane loiters for ~40 min flue to mechanic issue
1025 and point drop 1113 man wind drop (two drops) 1143 high wind drop	0955	
1113 man wind drop (two drops) 1143 high wind drop	1025	
1143 high wind drop	1113	
1 9	1143	
	1215-1238	3

Mission ID: WCIAA

		Mission	Mission ID: WCIAA	CIAA	Dopp	Doppler Wind parameters	parame	ters				
	Flight ID:	2016 100511	-		Doppler	Doppler flight-leg notes (for uso automatic QC and analysis)	notes (for und analysi	for use in alysis)	Scien	Scientist: Christopherson Garroc	pherson Gu	SWOC
	Leg Start	Leg End	Storm Motion	Motion	!	Center Fix	:	Inbound	Outbound	Max Radius	Horz. Res	Sent
	HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
(egs	093001	10334)	350	&	095432	21041	740391	120°	120°	25		~
rachal	1048	11.15						240°	***			
ig s'mail	\$1118	1131			8111	21082	74°46	%	70°		·	
poldli Chan	1136	1222			1147	21° 26.	74°491	210	y ₀			
•	#47	130614					•		D.			4
	1241	9051				210510	74°,54′		0,			_
			:				<i>.</i>	-				•
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