Radar Scientist

Flight ID 20	160920II Storm TS Kerl Radar Scientist Klotz / Garge Le (ground)
on his/her ass	oard radar scientist is responsible for data collection from all radar systems signed aircraft. Detailed operational procedures and checklists are contained or's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
1.	Determine status of equipment and report results to lead project scientist (LPS).
<u>2</u> . <u>3</u> .	Confirm mission and pattern selection from the LPS.
	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.
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 flight	
1.	Complete the summary checklist and all other appropriate forms.
<u> </u>	Download all Tail (TA) radar data files to thumb drive.
<u></u> 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: 20160920 I/
Aircraft Number:
Radar Scientist: Klotz/Gamache (ground)
Radar Technician: Nacher
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 Norl
Radar TA
Other Problems:
Other Problems: Note that the wedge on the LF was used for IWRAP Also had some issues with files not reaching the NCO galenay - these were resent by D. Nacher

HRD Radar Event Log

Flight ID 2016092011	Aircraft	NOAA 43	
Radar Scientist	16amada	Radar Technician	D. Naeher

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

	T
Time (HHMMSS)	Event
181000	LF stopped for N5-10 minutes
2142	All but I file from first pass made it to NCO
	Lytohn G. working w/ Son non that
2324	searched for a center on inbaned SE-NW 10g
	for about 6-7 minutes
000539	Tail turned off
004757	LF turned off

Donnler Wind parameters

				ddou	Doppler wind parameters	parame	ters			\	
Flight ID:	Flight ID: 26/60920I/	T1		Doppler autor	Doppler flight-leg notes (for use automatic QC and analysis)	notes (for und analys	r use in /sis)	Scien	Scientist: Klot z	, Nacher	er
Leg Start	Leg End	etorm.			Center Fix				Max Radius	Horz. Res	Sent
Time	Time	Storill Motion	MOTION	Time	Latitude	Longitude		Outboulla	(km)	(km)	?
SSWMHH	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
19:40:00	85:06:0E 42:98:5X	276	19	05:10:0K	, B1. C	, 00/25	2° (N)	(w)	245	5	7
p. 54	25:16 GE 6:18:5X	270	12	20:11:16	20°1′	65/13	8-70(0)	(5),88	-2m	· .	\checkmark
21:57	9058 : 48 1408 : 5X	275	12	80:17:68	19.61	550/30'	(A),928	226°(SW)	245	5	<
23:11	3D: NO DW	276	12	Fixed contr?	19.29'	55°/16′	315 (MM)	315	24s	A	<u> </u>

(formache (ground)