Radar Scientist

Flight ID_	0180708HZ Storm 75 Chris
Radar Scien	tist Marky Christopherson TS Chris Radar Technician Peal
The on-b on his/her as:	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).
1 2.	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 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 flight	
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:2018 0708 HZ
Aircraft Number: N4ZR=
Radar Scientist: Marks / Chik tophersen
Radar Technician: Peale
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O): Radar Computer
Lower Fuselage (LF) Antenna M R R
Tail (TA) Antenna
Radar Post flight Summary
Significant down time:
Radar LF
Radar TA
Other Problems:
- Need to resolve issue with
- Need to resolve issue with on-aircraft Jobfile app (defaults
are worked)
- had to restart radar sync the Duce has
- nad to restart radar sync - a terminal nad to restart radar sync - a terminal window to receive 2nd jobfile. Once we restarted it wartest fine obfile geting offer still issue with realtime jobfile geting offer
- still issue with realtime jobble geting offin

HRD Radar Event Log

	0180708#2			
Radar Scientis	Marks/Christ	Nusu Radar I	Γechnician	Peak
	(Include down time and time			

Time (HHMMSS)	Event
2332	To
2355	start to set up TDR
0001	TDR set up complete
20333	TDR shut down
	- all TDR date put on partable
	hard drive
	may tored MMR deering flight
	took a number of pictures of
	display on charmel 13 along
	with Dictures of concident
	Nose vadar.

Doppler Wind parameters

Flight ID: 20180708H2				Doppler flight-leg notes (for use in automatic QC and analysis)				Scier	Scientist: Marks Christophurs				
Leg Start Time	Leg End Time	Storm	Motion	Time	Center Fix Latitude	Longitude	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)		
0057	015830	135	2	013140	32,5	745	090	090	245				wk
015830	023200	12.5					315			5]		
023200	32940	135	2	0301	32.4	74.4	180	180	245	5	7#		
											/		
		21140325 (ABA) ABA (BA) (BA) (BA) (BA) (BA) (BA)											
XD	all we	at w	ell ex	copt ke	tjobf	le with	val-t	ing C'	,				
K	radar	Sync	WIN	dow did radars	no la	dow a	nd rest	27 %	3865/L	to work	5		
	Nec	ed t	D / IC	_ (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				,					