Radar Scientist

Flight ID 20	14082411 Storm TD # 4 Radar Scientist Jun 2ha								
on his/her ass	poard 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).								
2.	Confirm mission and pattern selection from the LPS.								
3.	elect 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 the Radar Event Log of event times, such as ending and restarting of rac recording. Also document any equipment problems or changes in R/T, INE, signal status.								
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 drives to the LPS.								
4.	Debrief at the base of operations.								

Determine the status of future missions and notify HFP Director as to where you

___ 5.

can be contacted.

HRD Radar Scientist Check List

Flight ID: 2014082471							
Aircraft Number: 4-2							
Radar Scientist: Jun Zhang							
Radar Scientist: Jun zhang Radar Technician: Teny Lymh							
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):							
Radar Computer							
Lower Fuselage (LF) Antenna							
Tail (TA) Antenna							
Time correction between LF radar time and digital time:							
TA Radar Parameters:							
(Single/Dual) PRF F/AST (Y/N) Rotation Rate RPM							
Sweeps/File Record 2 nd Trip (Y/N) (Circle appropriate status)							
Radar Post flight Summary							
Significant down time:							
Radar LF							
Radar TA							
Other Problems:							

HRD Radar Event Log

Flight ID	Aircraft
Radar Scientist	Radar Technician

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

Time (HHMMSS)	Event
0800	7542 2254 IP
0819	74 3× 2256 modern+ drap
0838	trying to find a center
0843	2247 7254 censer drap
0859	drap midsomit
5854	seeing raden reflectives eine going up to her
	going through the convective vegion
9:11	Spuda end point or trying find the light units
	released within convection
-	ground person couldn't get on xchas lifely
	because the ftp server is off the primary
	ftp
0936	Soull - end of dornmind leg
	domain Size 300 km
onts	Soull several IX - tailer several 7 tyrones
	a wid bout glub
10:003	Center 2254 7238
	drap - SWP center
1019	Sonde midpoints
1032	dusps - end of custs selection -
11701	drop - end of darn wind leg
1/3/7	
	going Amagh convection - convection area
11:30	gonde - censar - find hopes unsel

11:50 - somle - modpoint [2:00 - soul - 2457, 7346 - **Doppler Wind parameters**

	Flight ID:				Doppler flight-leg notes (for use in automatic QC and analysis)				Scientist:			
Leg Start Time		Leg End Time	Storm Motion		Center Fix Time Latitude Longitude			Inbound track	Outbound track	Max Radius Default = 245	Horz. Res Default = 5	Sent ?
	HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	Degrees	Degrees	(km)	(km)	(Y/N)
	080416	0915	34	8	0843	22 47	7254	90	90			
	0804	0937						90	90			
2	0937	[0.33	325	8	1003	2254	7238	210	210			
	agzz	14201						210	210			
3	11001	12:02	325	8	1135	23/4	7238	330				
	10	10 60						330				
1												

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