

Radar Scientist

riigiit ID_P	Storin Radar Scientist
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. 2. 3.	Determine status of equipment and report results to lead project scientist (LPS).
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 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	
V. X.	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.
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:	1440	
Aircraft Number: _	NOA	1A 42
Radar Scientist:		
Radar Technician:	B	osko
Component Systems Status (Up ↑, Down	^	
Radar Computer		
Lower Fuselage (LF) Antenna		<u> </u>
Tail (TA) Antenna		1
Time correction between L 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 Pos	t flight	Summary
Significant down time:		
Radar LF		
Radar TA		
Other Problems:		

25 50'

HRD Radar Event Log

Flight ID 131004 HI Air	rcraft 42	
Radar Scientist Hatelt	Radar Technician_	Bosko

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

Time (HHMMSS)	Event	
182600	Radar Sturted	
192915	Begin Les I Inbound	
195700	Contor Fix 1	
202400	End leg , Bigin Downwind 1	
205815	End Downwind 1, Begin Legz	
212740	Contr Fix Z	
215212	End les 2, Begin Downwind 2	
221040	End Downwind Z, Bigin Leg 3	
123520	cuter Fix 3	
230075	End Les 3, Begin Downwind 3	
233230	End Downwind 3, Begin Leg 4	
235640	Center Fixy	
002135	End ley 4, Begin Ponetration of Cons	rection
010500	bul fenetration of convection	
011455	Radar Ended	
		Germalika
	(보통 이 1) 12 시간 (1) 12 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	

Doppler Wind parameters

Flight ID: 131004H1				Doppler flight-leg notes (for use in automatic QC and analysis)				Scienti	Scientist: Hazelton			
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)	
192915	205815	335	6	195700	25°47'	90°10'	225°	2150	245	5	Y	
205118	2115217	335	6	212740	25 51	90'19'	315"	315				
221070	230045/	278	6	213520	25°52	90: 26'	90°	90	245	5	Y	
233130	01/21701	335	6	235640	75055	90'21'	180	180°				
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