Radar Scientist

Flight ID_/(0110621 Storm Name	IOMAS
Radar Scienti	tist GAMACHE Radar Technician_	NAEHER
on his/her assi	oard radar scientist is responsible for data collectionsigned aircraft. Detailed operational procedures and or's manual. General supplementary procedures follows:	l checklists are contained
Preflight		
1.	Determine the status of equipment and report results (LPS).	to the lead project scientist
	Confirm mission and pattern selection from the LPS.	
	Select the operational mode for radar system(s) after co	nsultation with the LPS.
4.	Complete the appropriate preflight calibrations and charadar operator's manual.	eck lists as specified in the
In-Flight		
1.	Remind the AOC data technician to start the radar captu	ure files.
2.	Operate the system(s) as specified in the operator's ma LPS or as required for aircraft safety as determined by aircraft commander.	
3.	Maintain the Radar Scientist's form as well as a writte logbook of tape and event times, such as the start and Also document any equipment problems or changes in	d end times of F/AST legs.
Post flight		
1.	Complete the summary checklists and all other appropri	iate forms.
2.	Obtain from the AOC data technician all radar tapes drive to download the radar capture files.	and give him a thumbnail
3.	Brief the LPS on equipment status and turn in comp drive, and all radar tapes to the LPS. [Note: all data re HRD personnel should be cleared with the AOC flight of	moved from the aircraft by
4.	Debrief at the base of operations.	
5.	Determine the status of future missions and notify MG	OC as to where you can be

HRD Radar Scientist Check List

Flight ID: 10110611

Rada	ar Operators: _	GAMI	4 CHE	A STANDENC BROKEN
Rada	ar Technician:	NAE	HER	The on-board on his/her ar sign e
	aber of DAT ta			in the operator's n
Component Systems Device	Status(Up †, I Pre-flight	Down ↓, Not In-flight	Post-flight	, Not Used O): R/T Serial #
Radar Computer		an angue	1 ost ingit	A) I Seriar "
DAT drives	e calibrations as	lgiffeng stein	cacon off stale	
Lower Fuselage antenna		191	ment a massoque	0.00
Tail Antenna				Anagar a rect
Time correc		adar time and	d digital time: _ mary	2. Ope 1.P2 2. 2. Atal 10g)
Number of DAT tapes used	l:			
Significant down time:				
Radar Computer	orare all codar is	Rada	ar LF	2. Obt
DAT drives	o as grad kara e	Rad	ar TA	birth E
Other Problems:				

HRD Radar Event Log

Flight ID 10/106 I/ Radar Scientist GA	Storm Name	Tom A S	sician_	Sheet 1 of NAEHEIR
LF RPM	2	TA RPM	10	

(Include start and end times of recording as well as times of F/AST legs and any changes of radar equipment status)

		(CONTRACTOR)						
Tape #	F/AST On?	Event Time (HHMMSS)	Event					
		080455	T/O ST CROIX					
DRZ	Fredal	<0818	REGRAING STARTED					
		0820	START-RADAR DONE					
		0925	IP					
		8944	220 8 71 10 9					
		100650	2					
		1026 35	(3)					
		1050	2220 705965					
4		1117	(4)					
		1/39	9 22°35' 70°53'A					
		120/	9 22°35' 70°53'A					
		1224	(6)					
		1248	9 22°48' 70°41'					
		1309	9 22°48' 70°41'					
		1331	(,8)					
		1406	END RECOLDING					
		(

Doppler Wind parameters

Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: 101106 II Scientist: GAMACHE													
Leg Start Time	Leg End Time	Storm N		Time	Center Fix	Longitude	Max Radius (km)	Horz. Res (km)	Inbound track	Outbound track	ja?	Angle check?	Sent?
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	49/98/147/196	1/2/3/4	Azimuth (deg)	Azimuth (deg)	H/TS	(Y/N)	(Y/N)
0925	100,50	050	14	0944	228	7/16	196	4	315	300	75	\mathcal{N}	Y
	102635												
1027	1117	040	13	1050	2220	710	196	4	060	060	15		Y
	1139												
1139	1224	025	14	120144	2235	7053	196	4	180	180	TS	N	Y
	1248												
1248	1331	040	15	130935	2248	70041	196	4	300	3:00	TS	N	