**Radar Scientist** 

1	0082941	Parallel Maria Carl
Flight ID		Storm Name TS Earl
Radar Scient	ist Lorsolo	Radar Technician Bosko
on his/her assi	gned aircraft. Detailed of	onsible for data collection from all radar systems perational procedures and checklists are contained ementary procedures follow. (Check off or initial.)
Preflight		
ised (1):	Determine the status of eq (LPS).	uipment and report results to the lead project scientist
2.	Confirm mission and patter	n selection from the LPS.
3.	Select the operational mode	e for radar system(s) after consultation with the LPS.
4.	Complete the appropriate pradar operator's manual.	preflight calibrations and check lists as specified in the
In-Flight		
1.	Remind the AOC data technology	nician to start the radar capture files.
2.	-	pecified in the operator's manual and as directed by the raft safety as determined by the AOC flight director or
3.	logbook of tape and event	st's form as well as a written commentary in the radar times, such as the start and end times of F/AST legs. ent problems or changes in R/T, INE, or signal status.
Post flight		
1.	Complete the summary che	cklists and all other appropriate forms.
2.	Obtain from the AOC data drive to download the radar	a technician all radar tapes and give him a thumbnail capture files.
3.	drive, and all radar tapes to	ent status and turn in completed forms, the thumbnail of the LPS. [Note: all data removed from the aircraft by cleared with the AOC flight director.]
4.	Debrief at the base of opera	ations.
5.	Determine the status of fut contacted.	ure missions and notify MGOC as to where you can be

## HRD Radar Scientist Check List

Radar Operators: LORSOLO

Flight ID: 100829 H1

Component Systems	Status(Up 1, I	Down ↓, Not	Available N/A	, Not Used O):
Device	Pre-flight	In-flight	Post-flight	R/T Serial #
Radar Computer		gastist mails		
DAT drives	onie anostminis	tdg/fierg als		
Lower Fuselage antenna			Operator's manus	tebul assessment
Tail Antenna  Time correct	etion between 1	radar time an	d digital time: _	2000 L S L
rit wil beressitt as his ferinco		radar time an		Pago S S S S S S S S S S S S S S S S S S S
Time correct	Radar Pos			zeno C
rit wil beressitt as his ferinco	Radar Pos			minM odges oesA
Time correct	Radar Pos			Sing O. S.
Time correct Number of DAT tapes use	Radar Pos	et flight Sum		pago S pago S pa

## **HRD Radar Event Log**

				Sheet of 2
LF RPM	10	TA RPM _	10	) S <u>on from</u> all radae son

Tape #	F/AST On?	Event Time (HHMMSS)	Event
	Y	language of	mont and record strates to the tent project screpture.
	C123.5.	081100	Take Il time
		The british patients	Take off time. PRF 2100
	The section	operational macky l	e politic systems of the consideration with the LPS
1 1 1 1 N	3.750-16-2	090012	Start of log 1
		orac contrast CC	Stark of log 1 @ 150 28 N , 56,8 W
- Photo 1			
		092300	Center Time 16256 N 56256 W.
			16256 N 56256 W.
	122		A call distinct acceptate to the man and a call acceptate for the
		0946	1897/W 56,97/u
-	Managaga	he Busine have seen	1897/W 56,93/W
		10 18 00	End downword (before hun
		1020	End downward (before hun Shout of leg 2 (after turn)
			1
- 2		1042	cente fixe @ 86,17°00' N
	349557 7555		) 7° 11 W
	22.25.00	1108	e. 1 m
		1125	end potes penotrater.
		11 26	Start leg 3
1	1. 61201300	1155	Center time @ 17°03 N

## **HRD Radar Problem Log**

Flight ID 1008 79 141 Storm Name	TS Earl	Sheet Z of Z
Radar Scientist Loksolo	Radar Technician	

(Include times of when recording ended and was restarted)

Tape #	Time (HHMMSS)	Problem
	1220	End genetration
Comp	1235	End downwind
D-		E eastern eyeural penetration
		Eeastern eyeurd peretration
Petrus Property		C) 1- /- //
The Taleston	1252	Start leg 4 Center June 17°02'N
	1350	51° 58'
		7-1 70
		5 3hal 6983 CO 14
757-30		8 3 C3 M
454		
7 7 7 50	3 3 X 3 I C	
	1 6.5	
AL L. 1 1 8	L sections of	L S GO XF G
Sterritoria	3 88 5 2238	
00 71		
21.73.0		
Systaer, roma	Lord artis	and the second of the second o
802	Service March	986.4.8.4.4.2.2.2.2.2.

**Doppler Wind parameters** 

Doppler flight-leg notes (for use in automatic QC and analysis)  FLIGHT ID: 100829 H I Scientist: LoRsoco													
Leg Start Time	Leg End Time	Storm N	Notion	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)	HTS	(Y/N)	(Y/N)
090012	0946/1018	180	17	092300	16,560	-56,56'	24r km	5kn	v 0°	o°	R	Y	
10200	1108/125	162	14	1062	7200	-47215		5 km	1.98°	~ 90°	TS	Y	
11725	1220/	280	19	1157	伊约	5761	245 km.	5 km	N225°	2225	がは	Y	
1252		270	13	1319	100%	T758	245 km	5km	2315	2315	H	Y	
	~												
			1										