## Radar Scientist

The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off or initial.)

Preflight	
1.	Determine the status of equipment and report results to the 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 calibrations and check lists as specified in the radar operator's manual.
In-Flight	
1.	Operate the system(s) as specified in the operator's manual and as directed by the LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.
2.	Maintain a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.
Post flight	
1.	Complete the summary checklists and all other appropriate forms.
2.	Brief the LPS on equipment status and turn in completed forms to the LPS.
3.	Hand-carry all radar tapes and arrange delivery as follows:
	<ul> <li>a. Outside of Miami-to the LPS.</li> <li>b. In Miami-to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]</li> </ul>
4.	Debrief at MGOC or the hotel during a deployment.
5.	Determine the status of future missions and notify MGOC as to where you can be contacted.

	ARD Radar Scientist Check List
	Flight ID: 050706I
	Aircraft Number: 43
	Radar Operators: 5 Morillo, P.Dodge
	Radar Technician: J. Barr, T. Lynch
	Number of digital magnetic tapes on board: ~ + boxes
Component Systems	Status:
MARS	Computer
DAT1	DAT2
LF	R/T Serial #
TA	R/T Serial #
Number of digital to	Radar Post flight Summary
Number of digital tap	pes used: DAT1
	DAT2
Significant down tim	
DAT1	Radar LF
DAT2	Radar TA
Other Problems:	
Radars o	rectorned
Radars p beautifull	y.

GDen Nis

HRD Radar Event Log

Flight 050 761

Aircraft 43 Operator 1

A . 1	b Sheet	0
Alaci	Sheet _	of

LF	<b>RPM</b>	TA	RF	M	
		700 (00)	100	-	

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

Tape #	F/AST On?	Event Time (HHMMSS)	Event
DRI		221156	
0000	1		
-	7	2 down u	radons buck up
1	X	0007	radans back un
	ON	0000	
	DEF	0042	coord with ERZ
	ON	0056	for Neyenall FLAST
	ON	0158	ERZ & MICROPHYSICS
		0130	F/AST rest of flight including labor 8
			including labor
A CONTRACTOR OF THE PARTY OF TH			
		生活性区	

(4) 050 705 I 2224 raden 9 2225 tape on

223030 Snd 12.67°88'150

and turn to head back

West and climbung to

head back.

an eye about 90 nmi and 45° from us. It may have gotten it's stift to grother.

## 050706 I G Dennis

LPS: M Black 1/2 Murillo /Podge Sonde: Murillo /Podge Cloud Plys: P. Willic OBS: Robbie Hood, Kate Musgrave Paula Hennsn

T/O: 2156 from MROC (Jose,)
(~3 HRS Late due to
(LADRONES...)

Fring wast not workering . This
one of the me never ones.

J. Barr & Pamen took WKSTN apart - reseated boards & han drive and now if works.!

Not that that has anything to do with RADAR...

region SSW of center.
Wedge below tail NOT
yet apparent.

to the no not a note

0507063)
1622 7393 conter 010015 (2) 050706I 004/20 turn. DROP 15.03 73'19 116 sonde at N pt. ON- for ERZ overpus 11820 F/AST OFF for N/S pars with ERI 6044 climb 14 → 18K ( Consug be) 128 desc 18->14K 004625 15024 78011 132 ERZ huding home SONDE before we got to center -but we got 3 good legs for them. oos) erz cp mer w 0054 we deschade to 1414. 0137 center drop 16°17', 730 17.9' 0056 F/AST for eyewall 141032 drop 16°06' 73019" 005738" eyenell" SNA 145 start climb to 19Ke 102 74 KTS Nagonall 147 weoge below tail Quite apparent mou

4) 050706 & Dennis and we are still in continuous (D 050706 23930 16907832 SW Fyewall 6 Dennis , mode. : 0155 em N/S Lea while we continue desc. HMn'cane 015739 end desc, buch 24151 center at 6 pm 为一日人 015831 F/AST ON 212 sonde and we are heading NE back to 5 245 73KTS NE. eyevall doop 16033 73 20 021755 SNP, BT Lunded 060043 JTC 150481 73053 28.2 c from BT bowh in CR (MIDNIGHT LOCAL) mo telemetry then came in. 228 circling in eye to go lovek around and Morty find the and