## **Lead Project Scientist**

		Project EARL 2010 Experiment name IFEX TOR				
Flight		Mission ID WX07A EARLS				
Prefli						
V	1.	Participate in general mission briefing.				
	2.	Determine specific mission and flight requirements for assigned aircraft.				
	3.	Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.				
AUUTP (Gato	4.	Contact HRD members of crew to:  a. Assure availability for mission.  b. Review field program safety checklist c. Arrange ground transportation schedule when deployed. d. Determine equipment status.				
/	5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.				
	6.	Meet with AOC flight crew at least 2 hours before take-off for crew briefing. Provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.				
/	7.	Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.				
	8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.				
_/	9.	Make sure each HRD flight crew member has a life vest.				
~	10.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.				
In-Fli	ght					
	1.	Confirm from AOC flight director that satellite data link is operative (information).				
REM	2.	Confirm camera mode of operation.				
	3.	Confirm data recording rate.				
	4.	Complete Lead Project Scientist Form.				
	5.	Check in with the flight director to make sure the mission is going as planned (i.e. turns are made when they are supposed to be made).				
Post f	light					
	1.	Debrief scientific crew.				
LBAVE.	2.	Gather completed forms for mission and turn in to data manager at HRD.				
-	3.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.				
	4.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.				
	5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.				
[Note: al	l data re	moved from the aircraft by HRD personnel should be cleared with the AOC flight director.]				
	6.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.				
	7.	Determine next mission status, if any, and brief crews as necessary.				
	8.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.				
	9.	Prepare written mission summary using Mission Summary form.				

### **Lead Project Scientist Check List**

HRI		AOC		
Function	Participant	Function		Participant
Lead Project Scientist	GAMACHE	Flight Director	SEAR5/0	ONAIMA
Radar/Workstation	GAMACHE	Pilots NEWAU, SWEENEY, MART FLT ENG KLIPPEL/DAR Navigator BRAKOB		
Cloud Physics	ASSESSMENT OF THE BROKEN	Systems Engin	Participation of the state of t	
Photographer/Observer /Guests Dropwindsonde	UHLHORN	Data Technicia Electronics Technicia		KO LYNCH KPENTER O
AXBT/AXCP	CONTRACTOR SECTION OF THE CONTRACTOR CONTRAC	Other WILLIAMS CROUCH RICHARD WERNECH		
			RICHARD	WERNEC
B. Take-off and Landin Take-Off: 073325 UTC Landing:UTC Number of Eye Penetration C. Past and Forecast St	Location: BARBI Location: MALI ons:	4D05		
Date/Time I	Latitude Lo	ngitude	MSLP	Maximum Wind
	consult hatelesson site at each	Cosses TAT sales par low	ses a abreto.	

D. Mission Briefing:

EARL SHOULD DE NEAR 24,71.5 at IP. We will do I figure if 90-270-180-0 and go from Borbodos to Mac Dill BARBADOS. Drops at corners, and eyer sounding

## Lead Project Scientist Event Log

# Date SEP 01 Flight ID 100901H1 LPS GAMACHE

Time	Event	Position	Comments
072325	T/p	BARBADOS	
103035	Point 1/DPOP	2424 6933	169/75 kts
rusciios	Begin E-Nleg		43844548
1049	Onterequevall	Service Eligible Chicolog	110 kts FU/ 75/cts
1052	Tuner eyer all	Plater of	lo kts, max
	0	Mayingstor	yas in onta yeu
105550	9 DROP	2422 7130	943 mb from sono
105850		Data I echoici	muer sejuel
110/	1 1/44 / 1/44		+60 until San Moneya
			loolet at FL
			gokts outrace
Yake-off or			SFUR V82 kg
136	POINT Z		sound soing.
112448	DROP	2411 7335	344/44KtS
114920	DROP3	2248'7142'	268/50 lets
1204	Eyerall Drop	2341 71948	-00 61
1213	0 (1 110	24018 7140	250/92Kts
1217	6	2433 7145	943mb 2.1 kts
1222	N Eyessell Dry	2453 7146	094/94 Kts No
123		2438 1146	f 11 m
1250	Point 4 Drop	263417957	100/64 lits Fast
	,		Mox 97Kts SFAUR 115 Kts Max FL
		4/1200	115 Kts Max FL
125 2	· Point 4 Drop	2658 7206	
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	Bully ( )		
	215 Ke2 LD 10		

SFAM 15