# Lead Project Scientist

Prefli	ght	
	1.	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft.
	3.	Determine from field program director whether aircraft has operational fix responsibility and discuss with AOC flight director/meteorologist unless briefed otherwise by field program director.
-	4.	Contact HRD members of crew to:  a. Assure availability for mission.
		<ul> <li>b. Review field program safety checklist</li> <li>c. Arrange ground transportation schedule when deployed.</li> <li>d. Determine equipment status.</li> </ul>
	5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
	5.	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.
1413	6.	Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami).
<u>.C.W.</u>	7.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
	7.	Make sure each HRD flight crew members have life vests
	7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
	8.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.
In-Fli	ght	
	1.	Confirm from AOC flight director that satellite data link is operative (information).
	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.
<u> </u>	2.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
	3.	Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
	4.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
	5.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
	6.	Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms.
	7.	Obtain a copy of CD with all flight data. Turn in with completed forms.
	8.	Determine next mission status, if any, and brief crews as necessary.
	9.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.
	10.	Prepare written mission summary using Mission Summary form (due to Field Program Director a week after the flight).

### Lead Project Scientist Check List

Storm or Project Oakelia		Experiment nai	me_ET
	craft <u>N42RF</u>	Flight ID	050917H

#### A. Participants:

HRI	)	AOC			
Function	Participant	Function	Participant		
Lead Project Scientist	Aberson	Flight Director	Shenhord		
Radar	-rolled stated & sales below	Pilots	- cp. co. d		
iggil de megaz sarece i gartame	Leighton		Strong, Kennedy		
Workstation	Leighton Valde	Navigator	Gallaghor		
Cloud Physics	TV/A	Systems Engineer	Mac Milan Batt		
Photographer/Observer	Abraham, Tracy	Data Technician	Kerr Olney		
/Guests	Prysiazniuk				
Dropwindsonde	Va Ide	Electronics Technician			
AXBT/AXCP	71	Other	300		

B. Take-of:	and	Landing	Times	and	Locations:
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Take-Off: 161100	UTC	Location:	Peace	Portmouth
Landing:	_UTC	Location:	Peace,	Postmowth

Number of Eye Penetrations: \_\_\_\_\_

#### C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
17/1500 7	40.7	69.0	999	50 kt
17/18002	41.3	6.2	959	50 kt
17/2/002	42.4	46.3		50 Kt
om dieter forces		name Creatis and a phone		
	entral a resign	or service of the season of the	emby (Clare to contract)	

D. Mission Briefing: ET mussein NW - SE pars BT in center at location of getterday's. Symosphic pattern, then two parses before landfall, 3875.

Drops throughout

13 38 N 54 52W 1607 MRAP 22Kt FL

20/320 13 44N 54 S4W 1006 APRAP 4012

### E. —Equipment Status (Up ↑, Down ↓, Not Available —, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF	1		21	COLUMN TO THE REAL PROPERTY.
Doppler Radar/TA	n e	55	A POSSESSION AND A STREET	can'n'
Cloud Physics	N/A	. 7.8		12927
Data System	1		Carry Mary	
GPS sondes	1			4 -
AXBT/AXCP	1	A 13 h 1 h 1		
Ozone instrument	NA			
Workstation	1	Comment Lederst in	W. Shandari	(327. V. )
Videography	12 14 11 21		N Samali .	Jest Wil

REMARKS:	Yadda, Yadda	Yedde
	1000 1 100 ca	, 10000

### Lead Project Scientist Event Log

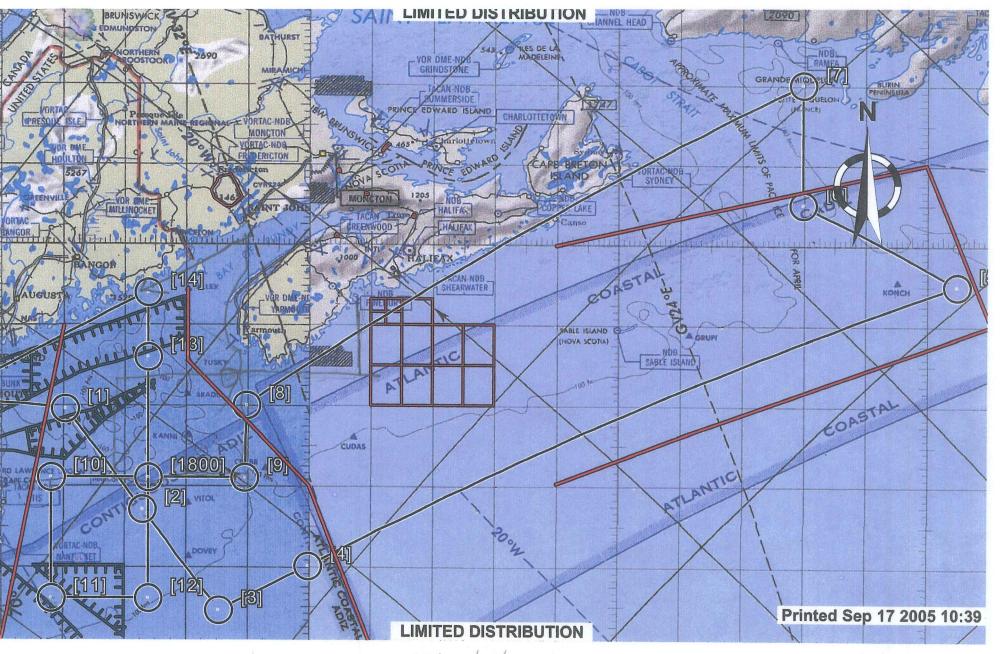
Date 17/09/05 Flight 05 09/7 H7 LPS Aberson

Time	Event	Position	Comments	1
161100	Takef	Page Portsmonth	Late takeoff foreplace	
163628	Drop #1		ar bleeding valve.	
	Turn to center	N. C.	winds in 17	
		A	Some yerms to get	
			Joan la Pulots well	
		A/W	holder contor and marriaget	2
165438	Drop#2 NW eyenal	aght world	195 winds	
145546	Drop #3 en	BT 15.10 15m	SFAR winds no (12 ms-1)	285 ur
170305	Drop #4 SEeyerall	SFMR venelight again		
170742	Drop # 5 RMW	12kt FL	flight bird continues to rise	
		furnds 2045	bokt above BL	
171105	FL, SFAR max >50 m	m dron water		
	Flort FL profile ~ 50 h			
17/655	Turn			
171810	Drop # 6 at turn	unnels 365		
173015	Desp #7		60 kt	
173305		Vulle low band.	SFMRUAND max, broad FL	
174250	Jag #8	annels 115	00 40 40 7	
180320	Drop #9			
182343	Drop # 10			
184335	Drop#11	anstablenear surface,	ound shift in PBL Dull Star	pa
190 200	Turn to NO			
190345	) roy # 12	wrods on 26		-1-1
191320	Badar worked som		wind shipt, over Ital Stage	
193236	Drop# 13		undo at 165 ishear!	VI
	Jurn to N			
194936	Turn to coastal run			

## Lead Project Scientist Event Log

Date	Flight	I	PS	

Time	Event	Position	Comments
195059	) rop #14	Over Strand Michel	on no ottetado
201220	Drep #15		Alm to the parties of
203400	Drop #14	Three disperent	er masses in Daness
204015	Step Froguency J	eddonly by to bet	high a alast
205922	Drop#17	Hoarnde	
210040	Drop#18	tate winds	
	Rodid Slight trace	with contendrom Sale	title
210 433		and Good maxumum	
	gregority by	and on vadas & salet	lite
212121	Junn		
212142	Drop#19	marnas	
2/2330	Dep #20	und 305	4
2/3044	Drop # 21	ng unaks	BT 16,50C
213000	Turn due N		
213217	Dray # 22	urmas in 24 -	
214638		atellite center	undsataks BT 10°C Real
220200	Turn to S.		glat Tolorlong Lence
220234	Drop # 24	Walcenter	shallow
00223/	Drop BT	no ST data Swon con	r 700 mb center
	a hara a sala an a alam	V	surface center SE
			aloft center NW
225330	Drop #26	center	
	CHIPS Sight	engine#2 end of	middles
234714	Sanded Coarly -	0	
		27 sonder, 26 x	ender sent
		30/ 4 BTs work	



CYHZ lightram mist 100/13 29.97 3/4mi VIS 100H Celling 1700/1700 1015.1mb Fag

24

