Lead Project Scientist

Preflig	Tht
TICIUS	1111

Prem	gni	
	1.	Participate in general mission briefing.
J	2.	Determine specific mission and flight requirements for assigned aircraft.
V	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. b. Review field program safety checklist c. Arrange ground transportation schedule when deployed. d. Determine equipment status.
V	5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
V	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.
_ <u>/</u>	6.	Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami).
\checkmark	7.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
1	7.	Make sure each HRD flight crew members have life vests
<u> </u>	7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
V	8.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.
In-Fli	ght	
V	1.	Confirm from AOC flight director that satellite data link is operative (information).
1	2.	Confirm camera mode of operation.
V	3.	Confirm data recording rate.
	4.	Complete Lead Project Scientist Form.
1.	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	
t and and	1.	Debrief scientific crew.
-V	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.]
L.	4.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
I	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.
X	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.
<u>, ii</u>	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_	Helene	Experiment name SALEX
Date 9-18-06	Aircraft N42	Flight ID 060918H1

A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	Jason Dunion	Flight Director	Marty Maverix
Radar	THE REAL PROPERTY AND A REAL PROPERTY.	Pilots	
dig Materia en en l'angrad p	Paul Leighton		Strong / Ciramonte
Workstation	Paul Lelahton	Navigator	Bishop
Cloud Physics		Systems Engineer	memillan
Photographer/Observer	within the second second second second	Data Technician	0 1 1
/Guests	the start of the second		Rasco jo Iner
Dropwindsonde	Rob Royers	Electronics Technician	
AXBT/AXCP	<u> </u>	Other	

B. Take-off and Landing Times and Locations:

Take-Off:	1320	UTC	Location:	Barbados
				Barbardos

Number of Eye Penetrations: <u>3</u>

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
		aduar enance ao a company	-	
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i neral steral press	and a second in the		a de la carta a huisa	
		tan ann comhaite	e ne l'angerer a se	

D. Mission Briefing:

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF				
Doppler Radar/TA				
Cloud Physics			date and	
Data System	that I have			
GPS sondes		within 2. The st		
AXBT/AXCP				
Ozone instrument				
Workstation				
Videography				

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

REMARKS:

AVAPS LOST GPS during drops 2.3

Lead Project Scientist Event Log

Date 9-18-06 Flight _____ LPS Jason Dunion

Time	Event	Position	Comments	
1623	Center (#1)	23:43 50.27'	Sharp SWUS NE exewall grad	
	965.9mb	SWTONE S	SW 28m/s SFMR/33m/s FL	raligne
		eyewan 2	NE 47 M/S SFMR/ 36,5 M/S FL	- STAR
			of the solution of the	just inste FL Max
1640	Strong band?		Strong updraft Hown / up see	PC PIN
-			SEMIR spiked +)-8m/s	
	WP4		broke into Clear sky	
2363 56	51 center (#2)	NW SE inbourso	Photos w/ panoramic	
	1		2000 - 12100	1
~17552		NW - SE RYEWAll	NW 40 m/s STMR/ 40 m/s FL	aligned
			SE 33 M/S SFMR/ 4/M/S FL	tilted
	* center passed	land 2 indicate	Shear impinging from west	
	(l.e. vert-allaned r	enerval on W, sloped	on E Semicircle)	
			E	
		E-Winbound	HERAV 40 m/s SEMR/ 44 m/s FL	tilted
			Weyewall	
19142	Center(#3,)	23 45' 50.43'		
MAL	Qenve. (± 5,/	40 40 50.150		
5	multide CAL linderen	2		
	multiple SAL intrustor	Coucht multip	anded sal bands 'G-IV	
	Sampled out dry	Islot, 42 samples	Lott	
	Jamping Ond Di	15100 1 7 & Samitree	DAN	
2148	12 SAL IN SHOULD P	hotos 14.2N 58.	9241	
	UTIL WI DUIDON			
		1	4	

19 + 24.7 54.0 20 + 26.0 57.0

Mission Summary Storm name YYMMDDA# Aircraft 42RF

Scientific Crew (4 RF)

Lead Project Scientist JASON DUNION
Radar Scientist Paul Leighton
Cloud Physics Scientist
Dropwindsonde Scientist Roh Rogers
Boundary-Layer Scientist
Workstation Scientist Paul Leighdon
Observers_NESDIS

Mission Briefing: (include sketch of proposed flight track or page #)

Mission Synopsis: (include plot of actual flight track)

Evaluation: (did the experiment meet the proposed objectives?)

Problems:(list all problems)

Expendables used in mission:	
GPS sondes :	
AXBTs :	

Sonobuoys: ____



GRADES COLLAPIGES

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Hi, Jason,

Writing to you from the ground on Monday morning, don't know if you have any way to pick up email on the P-3 today.

The Accra Beach is full up for Wednesday night, no room at the inn. They have us wait-listed in case of cancellations, but the reservations people were not optimistic. We're good through Tuesday evening.

A couple of options. (1) I look around for other places that might be available for Wednesday night in Barbados, (2) we fly SALEX Tuesday and head for McF on Wednesday, (3) we fly SALEX Wednesday, but end up in St. Croix, or (4) we fly SALEX Wednesday, but end up at MacDill. Do me a favor and consider these options. (3) or (4) have only one seat for you on the jet (unless I return commercially).

Hope this helps with your planning, please let me know your thoughts as soon as you can...Jack