Lead Project Scientist

Storm	or P	roject 18 Evy Experiment name 100 focation
_		Mission ID WXQ7A Early
Prefli	ght	Of helpsild
	1.	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft.
1	3.	Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
	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.
1	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.
C	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).
	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.
	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

Storm or Project	Experime	_ Experiment name			
Flight ID		Mission ID		1000000	
A. Participants:					
I	IRD		AO	C	
Function	Participa	nt Function	on	Participant	
Lead Project Scienti		Flight D	Director	Tan Sews	
Radar/Workstation	Muillo	Control Pilots		Ign Sears Mark Nelson	
		Navigat	or	Chris Solan	
Cloud Physics		Systems	s Engineer		
Photographer/Observ/Guests	Data Te	Data Technician			
Dropwindsonde	The State of the state of	Electron	Electronics Technician		
AXBT/AXCP	Other	Other			
B. Take-off and Lan Take-Off: <u>1948</u> U Landing:U Number of Eye Penet C. Past and Forecast	TC Location: rations:	alichs			
Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
	3	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
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	37 K)/2 ath that 10 and 5	d in braids forther strong 12.75%	r Burntos signine il del roc	to e to the selection	

D. Mission Briefing:

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Storm or Project	TSEAR	_ Experiment name_	TDR/OGEN)
Flight ID	18680	_Mission ID	XQ7A Barll

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF				
Doppler Radar/TA	TO ATT WAY		4-7-1-17-18	7
Cloud Physics				761
Data System	Territoria (Sp. 1)		6	
GPS sondes				
AXBT/AXCP			A Aug Comment	
Ozone instrument				
Workstation	Mary on the second	T AND A LEE		The contract of the contract o
Cameras				The state of the state of

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Lead Project Scientist Event Log

Date	1 5 6 X 1 2 2	Flight ID	LPS	(8	na .

Time	Event	Position	Comments
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20:55	Deviationariate	14.7454.6W	Was Green Buston
21:10	Top dropper	15.07N54,30W	V+1
31.1545	P+2	15.4654.12	Midnito
21,20	"Mary" soften	15.754,2	vakes hoesen
91,30	Cerktix	1608 540511	Visul Cale!
21:40	Noscatho	Northstan	Styl for a
21:38	las mai Pont Not	16.55m, w 54°4D	BitealyInternal
70.18	Molt 3-45h	163.	Xhadrandroph
14:46	1 1 Popular	16.9755.63h	Bakytor Midt
22:70	Tun 634	Q16.8 55.85	Tunt 10rg
	tory		Marcon
2:51	eyelabeta)	~1629" 5499"	990 Sorola
2057	110 ast legentl	216,653.7	27M/snon
13:21	edp+13-4)	16.72 12.67	1740
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2115	praintilly	thathort	Show
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Lead Project Scientist Event Log

Date	Elight ID	I DC	
Date	_ Flight ID	LPS	

Time	Event	Position	Comments
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21-21			SF7
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Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Cr	ew (4 RF)
Lead Project Scientist _	Ciore
	Shirley
Cloud Physics Scientist	
Dropwindsonde Scientis	
Boundary-Layer Scientif	
Workstation Scientist Observers	Te year
Mission Briefing: (include sketch of proposed	flight track or page #)
	4
	6/17
Mission Synopsis: (include plot of actual flight	t track)
	105 Nmilegs Gls crops end + midpts(18) 2 exercy, (leg 1-2); les 7-8 Backup as recosses No AXBT)
	(3) crop (3) 1, 7-6
	2 exerge, (leg 1-0), 18 To
	Backle as reasson
Englishing (did the experiment meet the prop	ased objectives?
Evaluation: (did the experiment meet the prop	
	15t Figure 4 = 12000
	15t Figure 4 = 120001
	FASTMORE 151
Problems:(list all problems)	11. 100-0
- Leat Fullys	wedge
Expendables used in mission: GPS sondes:	Drd Plan;
AXBTs : Sonobuoys:	endloinst
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