**Lead Project Scientist** 

Storm	or P	roject Experiment name					
Flight		Mission ID WX03A RIII 2					
Prefli	ght	TO VICE THE THE PROPERTY OF TH					
+	1.	Participate in general mission briefing.					
1	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.					
	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.					
	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/	1.	Confirm from AOC flight director that satellite data link is operative (information).					
1	2.	Confirm camera mode of operation.					
	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	The Control of the Co					
_ </th <th>1.</th> <th>Debrief scientific crew.</th>	1.	Debrief scientific crew.					
40	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	data rer	noved 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.					

orm or Project_	Hurra B.	ct Scientist Check L	name De	78 a M M	
light ID	08187	Mission ID	WYOSA	DIVIZ	
. Participants:					
	HRD		AOC		
Function	Particip	ant Function		Participant	
Lead Project Scie	ntist Ciore	Flight Dire	ector	Darrish	
Radar/Workstatio	- 01	Pilots	- A		
	Ganco	L Navigator			
Cloud Physics		Systems E	ingineer –		
Photographer/Ob	server	Data Tech	nician		
/Guests	Aman	u_			
Dropwindsonde	1	Electronic	Electronics Technician		
AXBT/AXCP		Other	Other		
Landing:	_UTC Location:UTC Location: enetrations: cast Storm Location  Latitude		MSLP	Maximum Wind	
		or weeks to a 181 man			
	Conservations			A BOOK MI	
	Con marketing			340.95191	
	Consequences				

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	( )			
Doppler Radar/TA	148			
Cloud Physics	À			
Data System	(A)			
GPS sondes	- 4			
AXBT/AXCP	0			
Ozone instrument	0			
Workstation	VP			
Cameras	110			AR
		- 10	La P	100 BOAN ON
	to 40	,		
an	XII	Hre -	type	
an (50	XII.	Hre -	type	
an (50	XII	Hre -	type	
an (se	XII.	Hre -	type	
an (se	XII.	Hre -	type	
(50 X	XII.	Subin	type	

Observer's Flight Track Worksheet

Flight Observer Date 978 80KT1 304 Latitude (") 14 Hongitude (°)

## Lead Project Scientist Event Log

Date 8/14/09 Flight ID 0908/87 LPS-C1000

Time	Event	Position	Comments
19:59:00	Takenff	13.08N/kg	18W
21:17:15	Il/Orop1	14.44N 53.88W	Dry 5 (50) /75/Ela
21:36:07	11000	15.63 53.10W	75M (log)-2
21:50:0x	wegerall	16.50 50.59	open expull tos.
21:53	Contracting	16.79 52.59	Contestix
2005	An .		958 M2 Ap 14.500 1/30
2307	Etekuguilland	ne Contert	, inc. 17
2200	00		11 10
27. 20.00	Organd	17,0452.5	NE eyeul gos
1) - 7/1	De MECL	1799 5719W	M, 101 la 1 >
12154	75 m Alt Cet	2 ( 215)	NEED
3,09	10 10 1	18:09 31.53	10 C 3 C VIO
310811	75 111/040.	18070771	WILL BE NING
00/18/0	es studie	17 24 5321	Or send dia
2090,00		1665 5291	SE
0038:00	75Mise	15,53 52,02	Mille
756130	150m 15E	14.80 51.81	enel NW-SF
312610	150MIF	17.0250.7	i end I F-W
0144,50	ZEME.	17,1252,20	+ Midst
015723	E-end	17.453.09	125K+ 92M5
293:00	Certifix	17.13 53.37	E-W Certifit
1207	(Negerall	17.18 57.85	85x+ se
0230	75Mi	17.1854.74	mid t-w
1737	Landrip	17.1756,13	1500 Wat she
	la satamanan A		
			The second secon

ranget

## Mission Summary Storm name YYMMDDA# Aircraft 4\_RF

	W X03A BILL - 1 0908 181
	Scientific Crew (4 RF) Lead Project Scientist C (0 \lambda e
	Radar Scientist Comache
	Cloud Physics Scientist
	Dropwindsonde Scientist Angel
	Boundary-Layer Scientist
	Workstation Scientist Amare
	Observers
Mission Briefing:	(include sketch of proposed flight track or page #)
	to the state of th
	6
	Harris Ha
Mission Synopsis:	(include plot of actual flight track)
$\sim 11 M$	
1 class	allmxy MSLP GCDMb
Mega	MSLP GLAMB
Malale	(14 (055/4)
E/ = 1	IX deal lok ince I Mixy Madule (Oh ).
Evaluation: (did the	the experiment meet the proposed objectives?)
A to I a a	te experiment meet the proposed objectives:)
Listrot, to execul	Model e PSSS I US d / + Lineus + 5Mix
alc. =KEt.	152 - COLCICIO La Modul
(130) 1411	OK drop to 10 K negerall. Mixy Module 10K). Some experiment meet the proposed objectives?)  Module - PGSS I VS L tend-max V- 15 2, 5Kft (at first)
Problems:(list all)	
Troblems.(tist att p	or obtems)
	None
Expendables used	in mission:
	Planes 20-25
AXBTs:	
Sonobuoys:	vert well. In a notshall
$\mathbb{C}(l, 0)$	July 9 mits
+ X (gen)	ner
	is a gokt tokt storm
)for-	1) a li ci a Ma Had
1/2	15 a 90h Ish (to, south) that The great (to, south) that The great (to break)
	16 (D) bire color secon
1 5 lon to	dis Olx Elle
17,441	the dixagréventin steam