Lead Project Scientist

Storm or							
	Flight		101023II Mission ID 100903				
	Prefli	ght	WX19A KICHM				
	1	1.	Participate in general mission briefing.				
		2.	Determine specific mission and flight requirements for assigned aircraft.				
	h_	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.				
	L	5 .	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.				
1.		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.				
1-	77	7.	Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.				
	<u>MG</u>	8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.				
	<u>/es</u>	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 fl	ight					
		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: all		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.				

Storm or Project	chard	Experiment name Al Son Thomas			
Flight ID <u>10102</u>	3II	Mission IDWX19A RICHARD2			
A. Participants:					
HR	D	_	AOC		
HR Function	D Participant	Function	AOC Participant		
		Function Flight Director			
Function			Participant Barry Danieno		

Systems Engineer

Data Technician

Other

Electronics Technician

Lead Project Scientist Check List

B. Take-off and Landing Times and Locations:

Take-Off 205UTC Location: Mac Dill

Landing: 10/0 UTC Location: Mac Mac

Number of Eye Penetrations: 3

Cloud Physics

Dropwindsonde AXBT/AXCP

/Guests

Photographer/Observer

C. Past and Forecast Storm Locations:

	Date/Time	Latitude	Longitude	MSLP	Maximum Wind
	23/0049	15° 45'	82012	1008	40 FT
~	23/962	26.2	825		45
	23/182	16.3	43-7		50
	24/067	16.7	85,5		60
-	24/182	172	86.9		75

D. Mission Briefing:

Storm or Project Rehind	Experiment name
Flight ID <u>10/023</u> <u>T</u>	Mission ID WX19A RICHARD2

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	A The			5 y 2
Doppler Radar/TA				
Cloud Physics	NV		7	7
Data System				7 Y
GPS sondes	V	1/		
AXBT/AXCP	9		0	-
Ozone instrument		*		
Workstation		V		
Cameras				

REMARKS:

Rador Froze UP Briefly 9 few times

Lead Project Scientist Event Log

	Lead Project Scientist Event Log					
	Date 10/23/10 Flight ID/01023 I LPS MI Bleete Pay 1					
	Rice	charel	(Pol)			
	Time	Event	Position	Comments		
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#2	044016	Sonde/AKBT	16.89 85.6E			
#2A	044218	Soule 2AB	9ckup 16.85	85.53 28.2		
#3	045105	Sonde MXBT	16,68 84.90	25°C 60m 45m Mic		
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7 1				Coast 28/10 2		
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			John Ver			

Lead Project Scientist Event Log Time **Event Position** Comments

