Lead Project Scientist

	r Project // Ma	Experiment name 104
Flight ID	MOXH1	Mission ID 07/84 RINA
Preflight		
1.	Participate in general mission brid	efing.
2.*	Determine specific mission and fl	light requirements for assigned aircraft.
3.	Determine from AOC flight dire and the mission designation.	ctor/meteorologist whether aircraft has operational fix responsibility
4.	Contact HRD members of crew to a. Assure availability for missi b. Review field program safety c. Arrange ground transportation d. Determine equipment status.	on. checklist on schedule when deployed.
5.	Meet with AOC flight director an	d navigator at least 3 hours before take-off for initial briefing.
6.		ast 2 hours before take-off for crew briefing. Provide copies of fligh al 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-boar	d 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 ched and speak using the headset. 	ck with all HRD flight crew members. Make sure everyone can hea
In-Flight	t	Constitution for statement and the statement of the state
1.		at satellite data link is operative (information).
2.		noticed to the total of the state of
3.	Confirm data recording rate.	
4.	Complete Lead Project Scientist Form	Λ.
5.	Check in with the flight director to r supposed to be made).	make sure the mission is going as planned (i.e. turns are made when they are
Post fligh	ht	
1.	Debrief scientific crew.	
2.	Gather completed forms for mission a	and turn in to data manager at HRD.
3.	Obtain a copy of the 10-s flight listing	g 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 data	a removed from the aircraft by HRD person	nel should be cleared with the AOC flight director.]
6.	Report landing time, aircraft, crew, aircraft to MGOC.	, and mission status along with supplies (tapes, etc.) remaining aboard the
7.	Determine next mission status, if any	, and brief crews as necessary.
8.	Notify MGOC as to where you can be	e contacted and arrange for any further coordination required.
9.	Prepare written mission summary usi	ng Mission Summary form.

Lead Project Scientist Check List

	×	HRD	e de la company de la company est de la company de la comp	AOC
Radar/Workstation Pilots Marks Navigator Systems Engineer Photographer/Observer Guests Dropwindsonde AXBT/AXCP Stanrt Data Technician Warnedae AXBT/AXCP Other Cloud Physics Systems Engineer Lynch Warnedae Warnedae Warnedae Warnedae Warnedae Control C	Function	Participant	Function	Participan
Cloud Physics Photographer/Observer Guests Dropwindsonde AXBT/AXCP Cloud Physics Systems Engineer Data Technician Lynch Warnede AXBT/AXCP Cloud Physics Systems Engineer Lynch Lynch Control Contr	Radar/Workstation	n style view transfer take	Pilots	Williams / Perach
AXBT/AXCP Other 3. Take-off and Landing Times and Locations: Sake-Off: //56 UTC Location: Mac D// Landing: //833 UTC Location: Mac D// Sumber of Eye Penetrations:	Cloud Physics Photographer/Obse /Guests	erver	Systems Engineer Data Technician	Mary Mary
Take-Off: 156 UTC Location: Mac D 1 Academy 1833 UTC Location: Mac D 1 Academy 1833 UTC Location: Mac D 1 Academy 1833 UTC Locations: 2 Academy 1833 UTC Loc	a temperatura de la companya del companya de la companya del companya de la compa	Vukicevic		n Warnecke / Cap
Date/Time Latitude Longitude MSLP Ma				

D. Mission Briefing: Humane Rina TDR Butterfly. 90 nmi legs. Drops at 90,00,30,0 nmi, mudpte of downward legs. BTs at end pts and now NW, W. E. 8kfl due to see at 10k previous flight

Storm or Project Rua	Experiment name
Flight ID _///02/6H/	Mission ID 07/8A RINA

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			Section 1	
Doppler Radar/TA	sperij		Mary 13 33	
Cloud Physics		SALA NA	Linda in the	
Data System				
GPS sondes				The second of the second
AXBT/AXCP				to the state of the
Ozone instrument				
Workstation		No.		
Cameras				yes a second

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Lead Project Scientist Event Log

Date	Flight ID	LPS	
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Time	Event	Position	Comments
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143006	Sonde		88501E
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1509	sonde replace	11.11	Sprayal 1
1513	sondo replace	lot of bu	imps in alea bate winds
1519	sonde mud pt deur	word U	
1531	Hurn inbound		
1532	BT Sonds 90 mi	SE	The state of the s

Mothon ags/03
Date

Lead Project Scientist Event Log

Date	Flight ID	LPS	

Time	Event	Position	Comments
1537	sonde 60 mi	SE	bad sonde
1340	sondo		backup
1545	Bissondo 30 ami	SE	Cooking the second seco
1553	center		· sort Donised
1555	BT/sride	RNW NO	2 January
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	1753 8534	1553.	
1559	LF duplays drow	e	
1605	BT/smao	60 mmi NW	
1613	Tilson do	Dame Nid	
1622	denal BT		
1446	Climb water of		
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	Manager and Commencer		
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vortex

RAMS Data for Vortex Message V1.4

Center: 25/2248:11 17°25'N 84°29'W WS: 3 Kts HT: 700 mB 2830 M SP: 966

mB

2 min HRD Center: 17°26'N 84°28'W is 1.1 NMi NNE of the marked center Max Surface Wind: 95 Kts Bearing: 348° Dist: 7 NMi from Center Max Wind: 61° 98 Kts Bearing: 342° Dist: 11 NMi from Center Max Temp/Pres - Out: 20 C/ 3036 M In: 20 C/ 3036 M TD/SST 8 C/ 9 22 [25]

nope

C

RAMS Data for Vortex Message V1.4 Center: 25/2346:11 17°49'N 83°52'W WS: 43 Kts HT: 700 mB 3120*M SP:1006

2 min HRD Center: 17°47'N 83°54'W is 3.1 NMi SW of the marked center Max Surface Wind: 37 Kts Bearing: 69° Dist: 1 NMi from Center Max Wind: 132° 54 Kts Bearing: 69° Dist: 2 NMi from Center Max Temp/Pres - Out: 12 C/ 2457 M In: 13 C/ 2457 M TD/SST 11 C/ 12 19 C

RAMS Data for Vortex Message V1.4 Center: 26/0057:26 17°23'N 84°37'W WS: 3 Kts HT: 700 mB 2840*M SP: 964 mB

2 min HRD Center: 17°23'N 84°37'W is .2 NMi SE of the marked center Max Surface Wind: 85 Kts Bearing: 194° Dist: 9 NMi from Center Max Wind: 295° 85 Kts Bearing: 194° Dist: 10 NMi from Center Max Temp/Pres - Out: 15 C/ 2479 M In: 23 C/ 2455 M TD/SST 12 C/ 15 24 [26] C