Lead Project Scientist

		roject (V13 to bod) Experiment name DR
		20140826H Mission ID 104A
Preflig	ht	
	1.	Participate in general mission briefing.
+	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.
	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.
1	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-Flig	ht	
	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	data ren	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.
1	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.
4	9.	Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List

Storm or Project Cristolal Experiment name TDR

Flight ID 20 408264/ Mission ID 1504A						
A. Participants:						
	HRD		AOC			
Function	Participa	ant Function	1	Participant		
Lead Project Scien	ntist Jun zho	ang Flight D	rector	Henring		
Radar/Workstation				Hams		
		Navigato	r	Tim		
Cloud Physics		Systems	Engineer	Terry Lynch		
		Data Tec	hnician	Бe		
Dropwindsonde	Rab Rog	ers Electron	cs Technician	Tool		
AXBT/AXCP Photographer/Obse s/Guests	erver	Other				
	anding Times and I					
Landing:	UTC Location:					
Number of Eye Pen	netrations:					
C. Past and Foreca	ast Storm Location	IS:				
Date/Time	Latitude	Longitude	MSLP	Maximum Wind		
		5.7				

D. Mission Briefing: TDR Mission, butterfly pattern, Added souds for the 45 miles rachus. - Also dropsondes at MIN. Come once burser module - reverse pattern macrel of box, Rob regent will call for the module

Lead Project Scientist Event Log

Date 08726 Flight ID 22140826H LPS J Weng

D741 Eventhing works would safar rador works well Frank helps 156 Set up the sould analysis. D855 thing to be surface - 56 hoile. Ft - it's about 1.5mm O945 report when source 1027 Strong as the south-erm corner - vertainty the wint pett ayrem 1106 Ho gas no workly rebooting - 11230 running the stand rador dinalities. minned time too flav C-15 min. and error sourced Trying to by the with John 6 - tribable shooting - may be due to the orbiting as the center - or other gablemic - 1237 Dougler analysis postlens fixed than analysis ranning controlled are thound and one pound logs, no down a mother stroll.	Time	Event	Position	Comments	
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Trying to fix it with John 6 - trouble shooting - trying hetterly methods - may be due to the orbiting a the center - or other analysis public fixted think analysis ranning only did the shound and on formal age, no down	11230	runny the the	rel reular analy	(6), mining time to	
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partial.		only did the	shound and our	bound log no down	WI
	p	solen strett.		Tig .	

Lead Project Scientist Event Log

Date 08/2/ Flight ID 20140826H (LPS Jun Zhang

	Time	Event	Position	Comments
	0547	Take off D		
A	0731	IP (2)	2557 7406	prop 1
	0737	gonn	2545 7339	Drop 2
	0748	maximel	25\$2 7248	Drop 3
584mly \$	0800	center #:	26 04 7153	Prop4 987 14 Kt FIRKT
MBL 74641	1080	man wind	2603 7121	Drop 5 - 47K+ fl - 90/tt
	0818	gonni	2603 7033	prop 6 at 465 ms
₩	0829	turn point (3)	26d+ 6944	prop 7 -
	0855	Brad of downwird 4		Dref &
	0905	gonmand	27724 7113	mop 9 solet sunte
	0919	max wind	2633 714)	Droppo - 50 bt wind near
1	0926	center &	2613 7157	[119.22/4-)
	0939	max wind	2527 7227	DVOP 12
	0948	190 nm	24567247	prop/3.
4	0956	turn 12 in+(5)	24 18 7405	Drop 14
(1024) \$	1034	Trelof down 6.		propert - 95 mm
	10:36	90 nm		Prop 16 (301) 28.3°2
	10 20 4	maxwind	2554 7/39	1200 17 - Enpsonde 13T (1813)
081 10Kx 7	11:01.	lenser &	2633 7200	Prop 18, BT Combo 28, 42
	11.05	maximilal	2650 72/2	prop 19
	11:19	190 nm	2740 7244	mp 20
A.	1129	From sommy (7)	78177308	mp 2
		Landing (8)		
				1 - 1

The forst soule will be the IP.

107051- End porn 46

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF)
Lead Project Scientist Jun Zhoud
Radar Scientist Frank Marks

Dropwindsonde Scientist Rosers Rosers

Cloud Physics Scientist___

Boundary-Layer Scientist Workstation Scientist Observers (affiliation)John other Wgh
Mission Briefing: (include sketch of proposed flight track or page #) - see attached flights pastern, butterfly, props at midpoint, turn, - and 1.5 Phur on 45 nm, Center, Row, - proposed 21 + 2 drops - Shear experiment - inflow layer module - (more sondes)
Mission Synopsis: (include plot of actual flight track)
SST from 13T metches the IR sonde
Evaluation: (did the experiment meet the proposed objectives?) — in thally we planned to drop soule at 45 nm thinh is thought to be 1.5 pms but the later throne fix showed storm expension and the RMW is - sonm. So changed plan chop at 90 nm Problems: (list all problems)
Problems: (list all problems) der point had problem, - Frank naticel it reset it by Terry trouble shouldn was reasoning
Expendables used in mission:
GPS sondes:
Sonobuoys: the third Evenall penerration less trying to fine it his number different sawing different
By orbital at the court of the
the dara regroom. HO ops -