Lead Project Scientist

Storm	or Pi	roject (Vistbow) Experiment name DR
Flight	ID_	20 14 0 8 2 5 H Mission ID
Preflig	ght	
-	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.
	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).
	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	ll data re	emoved 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

Experiment name TDK

Cristopal

Storm or Project

D. Mission Briefing:

Participant Function Participant Function Participant Lad Project Scientist Jun Zhang Flight Director Rach I-lenn Radar/Workstation Rab Ragers Pilots Ham's Halve I-lenn Radar/Workstation Rab Ragers Pilots Ham's Halve I-lenn Radar/Workstation Rab I-lenn Radar/Workstation Radar/Works		HRD		AOC		
Radar/Workstation Radar/Workstation Radar/Workstation Radar/Workstation Radar/Workstation Radar/Workstation Radar/Workstation Navigator Systems Engineer Data Technician Radar/Workstation Permy Lynch Data Technician Pales Radar/Workstation Navigator Data Technician Pales Radar/Workstation Permy Lynch Data Technician Pales Radar/Workstation Navigator Permy Lynch Pales Radar/Workstation Permy Lynch Pales Pales	Function	Participant	Function	41.000	Participant	
Radar/Workstation Roberts Navigator Systems Engineer Data Technician Photographer/Observer s/Guests B. Take-off and Landing Times and Locations: Take-Off: UTC Location: Landing:UTC Location: Navigator Systems Engineer Data Technician Photographer/Observer S/Guests Data Technician Check Roberts	Lead Project Scient	tist Jun Zhang	Flight Dire	ector	Rich [-lenn	
Cloud Physics Systems Engineer Data Technician Palay Dropwindsonde AXBT/AXCP Photographer/Observer s/Guests Cake-off and Landing Times and Locations: Take-Off: UTC Location: Landing: UTC Location: Number of Eye Penetrations: C. Past and Forecast Storm Locations: Determine Latitude Langitude MSLP Maximum	Radar/Workstation	Rob Rogers	Pilots		Hamis Halve	
Data Technician Pala Data Technician Pala Data Technician Pala Data Technician Pala Data Technician Pala Data Technician Pala Data Technician Pala Data Technician Pala Data Data Technician Pala Data Data Data Data Data Data Data D			Navigator		this Galla	
Dropwindsonde AXBT/AXCP Photographer/Observer s/Guests B. Take-off and Landing Times and Locations: Take-Off: DTC Location: MCDTC Landing:UTC Location: Number of Eye Penetrations: C. Past and Forecast Storm Locations: Deta/Times Latitude Longitude MSLP Maximum	Cloud Physics		Systems E	Engineer	Term Lynch	
Dropwindsonde AXBT/AXCP Photographer/Observer s/Guests B. Take-off and Landing Times and Locations: Take-Off: Description: Meptol Landing:UTC Location: Number of Eye Penetrations: C. Past and Forecast Storm Locations: Deta/Times Latitude Longitude MSLP Maximum		www.ko.esterigo.obsolujulik.ifti.o	Data Tech	mician	Brhands	
AXBT/AXCP Photographer/Observer s/Guests B. Take-off and Landing Times and Locations: Take-Off: Description: Landing:UTC Location: Number of Eye Penetrations: C. Past and Forecast Storm Locations: Latitude Langitude MSLP Maximum	Dropwindsonde	Frank Mar	Electronic	s Technician		
Take-Off: DST UTC Location: MCDTU Landing:UTC Location: Number of Eye Penetrations: C. Past and Forecast Storm Locations: Date/Time Latitude Longitude MSLP Maximum	Photographer/Obse		(60),600 . 119	entir Aceta tiis	night Lat	
Landing:UTC Location: Number of Eye Penetrations: C. Past and Forecast Storm Locations: Date/Time	B. Take-off and La	anding Times and Loca	tions:			
Number of Eye Penetrations: C. Past and Forecast Storm Locations: Date/Time Latitude Longitude MSLP Maximum	Take-Off: (1555)	UTC Location: Met.	rll_			
C. Past and Forecast Storm Locations: Dete/Time Letitude Longitude MSLP Maximum	Landing:	UTC Location:				
C. Past and Forecast Storm Locations: Dete/Time Letitude Longitude MSLP Maximum	Number of Eye Pen	etrations:				
Doto/Time Latitude Longitude MSLP	C Past and Forces	st Storm Locations:				
	C. Fast and Foreca			MCI D		
		Latitude I	ongitude	WISLF	Wind	

TORMESON, butterfly same as law HAR

morphing - Morthenly or morth westery shear moderal, vortex ti (tell to South from previous flight

NHC forecasted weak tropical storm intensity 40Kt. No way to intensify - due to show and upper level author not organized due to anicyclone flow.

Lead Project Scientist Event Log

Date 8/25/14 Flight ID 201408254) LPS Jun shown

Time	Event	Position	Comments
0555	take off 1	McDM	
0800	IP 2	2419 758	drop 1 - TOIL BOPPO
28/8	mid point	2420 7341	diops x
241, 2832	Center #3	2425 7240	drap 3 - Court 208 2
0844	mid point	242 7136	drop 4 - mas wind 47
0900	tim point 3	242 7031	drop + - Extending
0932	downrind end 4	- 26087133	otrop6 -
0951	midzoint	2504 7218	drsp
1001	center 4	2431 7240	drop 8 - Corner 996
1017	mid point	2331 7319	drop9-
lovo	turn point 5	1253 7347	drop 10
1055	downwind log &	22(37137	drop 12
1107	midpoint	2339 7202	dup 13
1124	Center &	24437244	dier o
1138	mid pom+	12530 7315	drop 16
1152	turn pany 7	2621 7748	drop 17
	Leading have		
		control to the second second department of the	14
0845	maximum win	e .	- prop4 maximum wi
1052	highward - STEM	A-check if 1815	real - 30K+ SFMR
0845 1052 0826 111 0828	trying to do the		
inel- 11n	soude not used	for ford my mays u	mul - soude 14
0828	Sonia calling Joh for information of	and softwar	
	Start Raw Copy no	Hurking	
0834	In male it	Value travento	F
0842	Rob rebooting -	the Rador complete	er-nagges with sonia
085%	soncoll John hill to	my to for	
	Grand Pan	Lopey	Arviore As

24 11 - vorrer message -72 48 Arrforse

Lead Project Scientist Event Log

Date D828 Flight ID 20140825H LPS Jun Zhang

Time	Event	Position	Comments
- 09/L	first down wind	leg brungy - a	owence features
-0913	same trying to for	ruder software -	5h 46 les FL
	- Haw were recor	ung the	
0922	was connection	- Something - rader	1?
0932	raday sof were	nos mospores	on the End of Jorenum
0941	exmuted drop	time of new speed	1 minutes - Bbs 25 kg
0943	sautry my to	to the Padar	Software passional pro
120 6	cornel ner log	on YUP8 - par	word not working -
0945	tomegron to	server resour	Arry Soul AD
1003	Thos made to lete	V 20/408 25H1)	namually - mkdr
1018	Jan 6 wants J	IMP to tex com	mand
10:22	- I minuse of		
10:40			apried the radius files to
10:42	the Harofole		
10.42	ruming the for	or raday unalyse	Submitted jobfil
11:12	Sonon cocatina	1 jostiles	
	- Johne - trying	to true men	Sonderelease # 14
11.5%	on the	e arr analysis	Radar heading how
111111111111	· A		

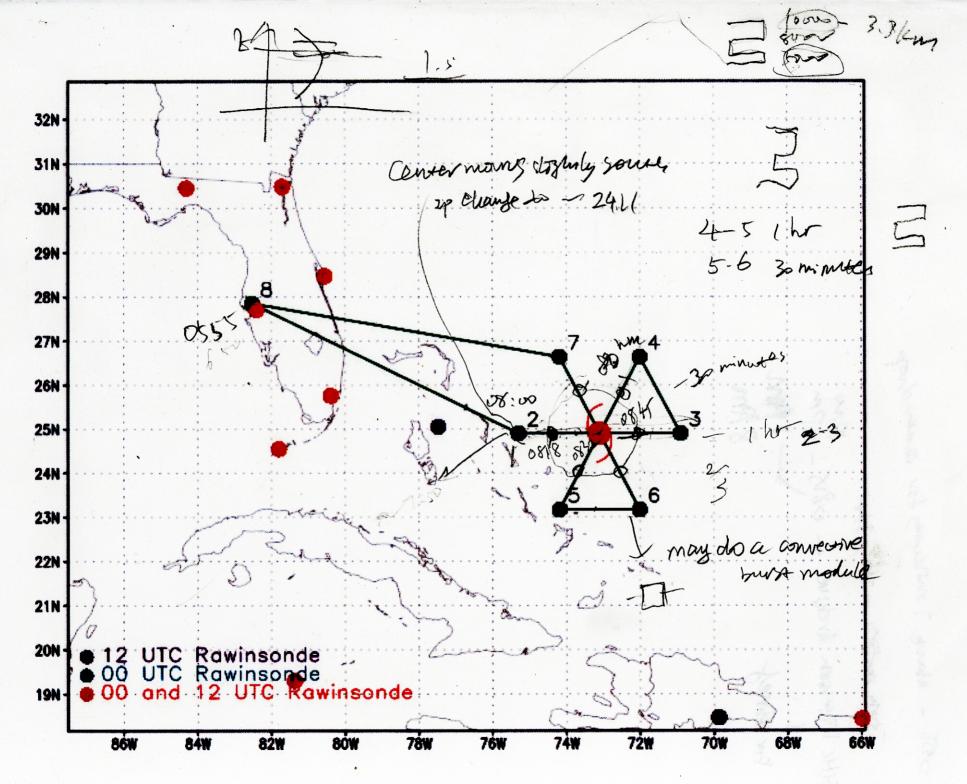
Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF)
Lead Project Scientist Two Zhowy
Radar Scientist 2eh regers

Dropwindsonde Scientist Frank many 5

Cloud Physics Scientist_

	Workstation Scientist Observers (affiliation) Johnathan With Hui Liu (NCAR)
	Mission Briefing: (include sketch of proposed flight track or page #) - +M to do converte but module downind by 5-6
	6-7 last log - no downwind leg
	Tormsgran
	Mission Synopsis: (include plot of actual flight track)
Discussed possible parten change	nd TOR Mission - buttorfly pattern, es closures stopped south so the IP
with Pob,	1 - para system has norking new - fixed at 0759
Harakan color	Evaluation: (did the experiment meet the proposed objectives?)
- Hinking and	Herry (ts, Mosson succeeded, problem wolved during the filiplus
Typue - Short	mg / south 4 do rador
leg to mak	
it working	I day a system lagging not not not not not well - circling at the If for som
	TIPE not recordine - fixed at 08007 - 50 de the data system
say ped desient	solver record the rendar dara titl 10202
parsam at	Expendables used in mission: Carlo like transfer elastic to
NA CALL	AXBTs: 0
the flight	grand, - decided to transfer
	Sonobuoys: D pressure wind infor through
Wesmen	is down till-
(CARMARAN	"Copy now working) I frank wanted proton somele
nothing	with Sonie - The Mission polifice



0905 - along I money for censor drop Storm motion -360, 3kg
HHC Discussion Anchore - 0815-11pm for pelmet 3 Am