Lead Project Scientist

Storn	or P	roject TS Por Experiment name TOR
		2010 ONGH Mission ID
Prefli	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.
4	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.	Confirm from AOC flight director that satellite data link is operative (information).
577	2.	Confirm camera mode of operation.
_	3.	Confirm data recording rate.
4	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: 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.
4	7.	Determine next mission status, if any, and brief crews as necessary.
4	8.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.
V_	9.	Prepare written mission summary using Mission Summary form.

10 10.16.15 Sylved 255.255.255.0 About 10.42.16.1

Lead Project Scientist Check List				
Storm or Project TSOM	Experiment name			
Flight ID	Mission ID			

A. Participants:

HRI		AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	agers	Flight Director	80.55	
Radar/Workstation		Pilots		
Cloud Physics	Gamache	Navigator Systems Engineer	Kidder Martin	
Photographer/Observer		Data Technician	Bosto	
/Guests		Data Technician	Olvey	
Dropwindsonde	0.1285	Electronics Technician		
AXBT/AXCP		Other		

B. Take-off a	nd Landing Times and Locations	
Take-Off: 19	55 UTC Location: Mef	
Landing:	UTC Location:	
Number of Ey	e Penetrations:	

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
				200 200 200 200 200 200 200 200 200 200
			25 milet agranisma	
GP5 acmies				

B. Mission Briefing: Fly TD f mission into TS Arm. 105 nm leg lengths, good fil pressure. Drops at all end and und prints, plus at fund on 15 and 30 pass. Also center disps on first and twird pass. Drop BT is at end, and I may points on first and twird pass. Drop BT is at end, and I may points on first and twird pass. Drop BT is at end, and I may points on first and third pass. I P is 105 km at 60 azimuth. If present, drop souths across are cloud. Also if possible Py willifed conventile burst while Nor cuch a system. Fly 24 posses within 5 nm Crm corrective system, leg length a 50 km.

24.9 91.3

Lead Project Scientist Event Log

Date	Flight ID	LPS

Time	Event	Position	Comments
2121	Autern	At 1P. 25.36	88,43
2147	obs		large PC winds about 20 6 f
SECTION .		for it	SF about 4010f
2153	065	24.2191,41	TA rodor boun down for
2224	status	past SW part	The rayor boun days for
			whole leg, commes scw
			ANRS & WIS down but
0159	, ,	KNCF	Aut PS working land at Mac Dill
015	lard	CMCF	(and of Mac Dill
			:EEEEAMAN.
	resul Storm Leads		
That of Lane	Limitade	1. Ampleate	The state of the s
annega sri	Will be a second		

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF)

Lead Project Scientist Koses Radar Scientist Found the Cloud Physics Scientist Dropwindsonde Scientist Roges Boundary-Layer Scientist Workstation Scientist Roges Common Com
Observers
Mission Briefing: (include sketch of proposed flight track or page #)
Mission Synopsis: (include plot of actual flight track) Flew first legrand half of se and kg. System was still experiencing Shear, and sorted closely slowed to the strong convection with much lightwise of at outer and sorthoof central (at FL), Storm is intensifying Unfortunately at outer and sorthoof central (at FL), Storm is intensifying Unfortunately The before worked except for first part of first leg, with prospect for tepu before next flight uncertain missions were concelled and this missions before next flight uncertain missions were concelled and this mission abouted after second pass. Evaluation: (did the experiment meet the proposed objectives?) Because of TIR failure mission was not accomplished. Props worked reasonably nell (a(12), BT's mostly worked well.
Problems: (list all problems) To fout, communication 50 m ANAS + workstadion out until end of flight, so had to be compensated by using flash drives.
Expendables used in mission: GPS sondes: AXBTs: Sonobuoys: