Lead Project Scientist

Storm or P	
Flight ID	00/4082411 Mission ID 0904A CARIS M
Preflight	FL312014
1.	Participate in general mission briefing.
	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.
7. 8. 9.	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-Flight	
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 flight	
	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 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

Storm or Project ALOY 2014	Experiment name Research TOR
Flight ID 20140824 II	Mission ID 0904A Christobal

A. Participants:

I	HRD		AOC	
Function	Participant	Function	Participant	
Lead Project Scienti	st Selwood	Flight Director	Homes/Scars	
Radar/Workstation	Amerson.	Pilots	Kibby / Price	
		Navigator	Solder	5 - 1
Cloud Physics		Systems Engineer	Klippella	Kroby
	and the second second	Data Technician	(srean / Smith	-
Dropwindsonde	EMEN	Electronics Techni	ician Achie	
AXBT/AXCP-SKN		Other		
Photographer/Obser	ver Supp / France			
s/Guests	Chasian			

1RAP mcdia

B.	Take-off	and	Landing	Times	and	Locations:
----	----------	-----	---------	--------------	-----	-------------------

Take-Off/ 155 UTC Location: MocDi//
Landing: UTC Location: _____

Number of Eye Penetrations:

C. Past and Forecast Storm Locations:

IP 24,24 75,02

1747 Votex 10 645	
340 6kgs bun plane at 202	
shell alls	

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
182 8/24	24.12N	72.462	1001	40Kt
1933	24.24	7332	999	38145
2117	2432	7257	AF fix	45 KHS
2153	2424	7256	999	45 KHZ
2319	2417	7305	999	4545

D. Mission Briefing: TIPR mission it FTP problem is resolved otherwise thrup research minim, will my to execute mon maidance SFMR testing 2-30: Kt ranfree region windent with irrep request

Storm or Project	Experiment name
Flight ID	Mission ID

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	1			
Doppler Radar/TA	1			
Cloud Physics				
Data System	9			
GPS sondes	1			
AXBT/AXCP	1			
Ozone instrument				
Workstation	T			
Cameras	1			

REMARKS: reduct TOR analysis from 0823 I fight

of stop'd to nome. FTP skill down at stret of Right expected

to be but you before 1st round analysis is Russial storm

appears to be uner nove area from indicated in cursos,

max unds at two 2425 71.4 23.5 m/s, max

Mux unds at two put about the short are to

high level und guter autificat leg most due to

convertin at two put about to un short. Creaty

convertin at two put about to un short. Creaty

(3)45° being ardes for SEMR callibration during this time to

(3)45° being ardes for SEMR callibration during this time to

(3)45° being ardes for SEMR callibration during this time to

(3)45° being ardes for SEMR callibration during the should try

It was subtand off. Cut DW leg 2 8ms to avoid try

It was subtand off. Cut DW leg 2 8ms to avoid try

in anxestor should prometely—moste to Change pluthy

in anxestor skewl prometels—moste to Change pluthy

put in the ground

Created in the ground

Created in the ground

Lead Project Scientist Event Log

Date 8/24 Flight ID 20140894II LPS SCHWOOD

Time **Event Position Comments** Year! 15 ms fot 5 fma

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF)

Lead Project Scientist School Aborson
Radar Scientist Acces on
Cloud Physics Scientist
Dropwindsonde Scientist Chen
Boundary-Layer Scientist
Workstation Scientist
Observers (affiliation) Holbach FSU (SEMVE)
Mission Briefing: (include sketch of proposed flight track or page #)
8 7 1 daps at cento smid points
a de side
S will bossible imm and of
of storm, Not Enctasteed mut will
try to get TDR detta into tame.
Mission Synopsis: (include plot of actual flight track)
Mission Synopsis: (include plot of actual flight track) Try to get 8FMR high mandance data
mon incident test on scond les indianes st
mon incidence test on seone leg bollowing sti midpoint dop \$15° ande 3130° curcle + 3) us andes.
Rum an SE side first after trum - was not asie to
get a dop out
Evaluation: (did the experiment meet the proposed objectives?)
Evaluation: (did the experiment meet the proposed objectives?) All objectives net - Tok defin made tinto Eme date tinks STMR manuvers were completed successfully Tested new radir scripts to transit to alternative ftp
date times STMR manurers were completed successfully
To 4 D new rader scripts to transit to attenuate the
Site with positive results
3102 00116 10 3111
Problems:(list all problems)
FIP down until last leg of fight -alternate site us when in the meantine. Our destroyer it to Eme
whym in the weamone. all desta well it to End
den fine.
Expendables used in mission:
GPS sondes :
AXBTs:
Sanahuaya