## **Lead Project Scientist**

Storm	or P	roject Chris Experiment type TDR
Flight		
Prefli		
	1.	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft from the Field Program Director.
<del></del>	3.	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.
V	4.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
	5.	Determine from AOC flight director the mission designation and whether aircraft has operational fix responsibility
	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 Field Program Director.
<u></u>	8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drops.
	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).
1	2.	Confirm camera mode of operation.
	3.	Confirm data recording rate.
	4.	Request AOC flight director to leave radar in non-sector mode for initial Figure 4.
	5.	Once at IP, request AOC flight director adjust radar tilt to minimize sea clutter.
V	6.	Complete Lead Project Scientist Form.
	7	Check in occasionaly 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 Dropsonde raw and processed files from the AVAPS operator on thumb drive.
	4.	Obtain a copy of the radar LF files from the radar technician on thumb drive.
	5.	Obtain a copy of the tar'ed radar TA files from the radar scientist on thumb drive.
	6.	Obtain a copy of serial flight data and raw NetCDF file on thumb drive from the data technician.
	7	Obtain a copy of SFMR data on thumb drive from the data technician.
	8.	Obtain a copy of DMT data on thumb drive from the data technician.
	9.	Report landing time, aircraft, crew, and mission status to the Field Program Director.
	10.	Determine next mission status, if any, and brief crews as necessary
	11.	Prepare written mission summary using Mission Summary form.

## **Lead Project Scientist Check List**

Storm or Project Flight ID <u>2018</u>	Chris	Experimen	nt name	R	
Flight ID <u>2018</u>	Chris				
A. Participants:					
	HRD		AOC		
Function	Participa			Participant	
Lead Project Scienti	ist Alaka	Flight D	irector	Henning	
Radar/Workstation	Marks	Pilots		0 -612/4	
		Navigato	or	[rappace ne	
Cloud Physics			Engineer	Heredal In-	
7		Doto Too		Richard Dark	
Dropwindsonde	Christon		ics Technician	T. /- Uncl.	
AXBT/AXCP		Other		regren	
Photographer/Obser	ver Tyler	Joung (Hall	14		
s/Guests		O Cimil	(95)		
B. Take-off and Lan	nding Times and L	ocations:			
Гаke-Off:U	TC Location: L	AL			
Landing:U	TC Location:				
Number of Eye Pener	trations				
vulliber of Eye rene	trations.				
C. Past and Forecas	t Storm Locations:	:			
D . / //D:	T 1	T	) rot p	Maximum	
Date/Time	Latitude	Longitude	MSLP	Wind	
11 11 11 11 11					

D. Mission Briefing:

TDR Konfatry Fig. 45 (see plots)

Storm or Project	Chris	Experiment	t name_TDR
Flight ID 20180	70942	Mission ID_	0903A Chris

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	11	- 1			^
Doppler Radar/TA	1	9		Sava	les
Cloud Physics	1	9			J
Data System	1	1			
GPS sondes	1	7			
AXBT/AXCP					
Ozone instrument	_				
Workstation	1	9			
Cameras	7	tilldruke	4		

REMARKS: WSRA had to be restanted.

Date 7/9/18 Flight ID 2018 0709HZPS Halea Marks

Time	Event	Position	Comments
202517	TO	LAL 28082	.15
202517	TDR	trimedon	
220273	(P)	30.7,74.6	1K310+06 800
2225	6	32,2574.5	2460+3
2252	2	34.05 74.5	drop#5
2325	(3)	323 7605	drop#6
2353	6	32, 25 74.3	3 drop#8
0015	4)	37,25 72,3	2 duopto
0031	3	33.33 73.0	drop#11
005526	6	32,15 74,30	5 wwe#2 13 non
DB17	(6)	31,05 75.6	620-210
047	Đ.	31.05 736	chulo +8 12,000
0213	6	32,25 74,33	
07.75	(8)	32.9 75.1	truncate leg at 30 nu

Date 7/9/18 Flight ID 20/80709#2 LPS Alaka Marky

Time	Event	Position	Comments
0244	6	323 743	Tunit 215 105
	1	/	
0311		31 7517	Cloub to return
	(9)	<i>J</i> ( , . , . , . , . , . , . , . , . ,	to LAL
Just 1			
		100	
		Age and the second	

appears bands the rotations Observer's Flight Track Worksheet

Date 7/9/18 Flight 30180709HZ Observer Marks

35 de 34 Latitude (") 33 32 31 31 18 Hangitude (\*)