Lead Project Scientist

	ProjectExperiment name
	Mission ID
Preflight	
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-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 fligh	nt .
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 dat	a removed 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 A. Yh	((/	Experiment name	R
Flight ID <u>2014070271</u>	I	Mission ID OSOIA A	RTHUR
A. Participants:			
HRI)	A	AOC
Function	Participant	Function	Participant
Lead Project Scientist	Aberson	Flight Director	Holmes / Sears
Radar/Workstation	J. Zhang	Pilots	
			Halverson Didier/March
		Navigator	Sloan
Cloud Physics		Systems Engineer	Nacher
		Data Technician	Warnecke /Lynch
Dropwindsonde	Settwood	Electronics Technician	n
AXBT/AXCP		Other Dogshaws H	by stek
Photographer/Observer s/Guests	Kelly Nanez	Flight Engineer	Heystek
	Hergen +(A) Cintern		Latende
B. Take-off and Landin	g Times and Location	ns:	1. d 1/10. C
Take-Off: 181225 UTC	Location: MacDill	1x	
Landing:UTC	Location: MacDill		
Number of Eve Penetration	ons:		

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
02/18/1/00	29 25	79 09	996	514t sfc/ 634FL
02/191027	29 30	79 07	995	4/kt sfc /59kt FL

D. Mission Briefing: TDR Figure 4 -> circumnas -> Fig. 4 rotated

Lead Project Scientist Event Log

Date	Flight II)	LPS	

Time	Event	Position	Comments	
	Big convection	NE side (bu	est?	
		29.30 790	7 41 20 mmi = 191	(
			9.8 mm NW	
	20 mmi RMW both	setos		
	domo circumna	Hartun @ 35 MALL		
* ===		29 42 79 10	67kt 18 ani 2003	7
				1
		29 4.4 79.06	46kt 14mai 2029	1
2112 006	I Amerit das N a			
	round Jum			1
2201 00				1
		29 58 79 11	17ht 18min 214500	
		29 51 79 06	56 kt 18 mmi 220151	
2305 Jun	inhound	005/09		
1328 CONTE	Vi de la companya de			
350 and Out	Trend			1
ora en			54kt 10 mmi 231140	1
		30 04 19 06	,	1
002050 cen	Ner	30 14 79 08	1111	0
11 1	drop - denest m	Cac Hill	60 Kt 17 mmi 002130	1
0045 lat 1 9130 Donato	a op wereer of	mine		1
130 VINAU				1
				-
				1

circle scomma

MUSSED RMW, dil E bocame sonde carry Mo have furming or NE bocame see RMW Could mot see RMW