Lead Project Scientist

torm	or P	roject <u>Javier</u> Experiment name DWC
		206080921 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 fligh 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 hea and speak using the headset.
In-Fli	ght	
	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 as 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: a	ll data r	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 th 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.

	310	
180		
	045	736

Lead Project Scientist Check List

Storm or Project_	Javier	Experiment name	DWL	
9			Second and the second	

Flight ID 20160809 I 1 **Mission ID**

A. Participants:

HRD		AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	Bucci	Flight Director	Henning	
Radar/Workstation	Reason	_ Pilots	price kann Martin kann	
		Navigator	Gallagher	
Cloud Physics	· · · · · · · · · · · · · · · · · · ·	- Systems Engineer	hey ster/darby	
		Data Technician	Richards	
Dropwindsonde	K10+2	Electronics Technician	Greene	
AXBT/AXCP Photographer/Observer		_ Other	T, Lynch	
s/Guests		=		

B. Take-off and Landing Times and Locations:

Take-Off:	0557	UTC	Location:	H	arlingen,	T
		-			/ / /	

____UTC Location: Landing: ____

Number of Eye Penetrations: <u>2</u>

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
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1 ended to	en stie steater in de par	name a server della ser la	ene concerno bogenesio e sca-	a gasti
	aligne de la service de la service Recent	an an bhair sair s stragh an an	la rechest la data la 161 i state di	
	geografica e conse	and bas sets it is not a like		
		e e contra e 18 generation de 18 de 19		

D. Mission Briefing:

Javier continues to weaken as it travels north-northwest up the Baja peninsula currently a SO-Et storm. No deep convection is present. While over warm waters, it is a expected to intensify as it moves towards cooler waters and a very stuble air moss to its NW. and

Lead Project Scientist Event Log

Date 20160809

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Flight ID 2010080911 LPS BUCC

Time	Event	Position	Comments
05 57	take off		
6624	DWL	down 20°	20k cruising alt.
0816	drop 1	IP	SE guad lok Alt
0629	drop 2	midpt	
08 39	drop 3	center	
0841	drop 4	center #2	
0852	drops	midpt	dry air
0903	dropb	end pt	idhy air
0919	drop7	mid of down	dry air 950 mb
0933	drop 8	end pt	G
0945	anp 9	midipt	
10 18	1	end pt	ended at 14.5K'
	landed	•	
			2