Lead Project Scientist Flight ID 2019 0905 #2 Storm or Project Experiment name Mission ID Pre-flight 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. Contact HRD members of crew to: Assure availability for mission. a. b. Review field program safety checklist Arrange ground transportation schedule when deployed. C. 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 Field Program Director. 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 Confirm from AOC flight director that satellite data link is operative (information). 2. Confirm camera mode of operation. 3. Confirm data recording rate. 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 I, 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.

Obtain a copy of the radar DAT tapes. Turn in with completed forms. Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.

[Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]

Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to Field Program Director

Determine next mission status, if any, and brief crews as necessary.

Notify Field Program Director as to where you can be contacted and arrange for any further coordination required.

Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List

Participant

Storm or Project Dovian

A. Participants:

Function

Flight ID 2019090542

Experiment name TDC

Function

Mission ID 4905 A Donan \$1052019

Participant

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Storm or Project <u>Dovian</u> Experiment name TDR

Flight ID 20190905H2 Mission ID 4905A

E. - Equipment Status (Up U, Down D, Not Available N/A, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	~			
Doppler Radar/TA				8 andy w 3
Cloud Physics	×	Y		1
Data System		$\hat{\mathcal{L}}$		
GPS sondes	/	V		34 total 8"
AXBT/AXCP	- 355			O
Ozone instrument		170		
Workstation		13-		
Cameras	V	/		

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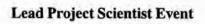
Lead Project Scientist Event

Date 9/5/2019 Flight ID 20190905#2 LPS Marks

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Date 9/5/2019 Flight ID 20190905 #2 LPS Marks

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Observer's Flight Track Worksheet

Date 9/5/2019 Flight 20190905H2 Observer Mark 5 Use highlighter to draw freehand on chart MHX 33 Latitude (") 32 31 30 Longitude (*)

Mission Summary

20190905 HZ

	Radar Scientist Cloud Physics S	ientist Marks X. Zhang/G Scientist Scientist Scientist Scientist Telan entist	Mache
Mission Briefing: (inc	lude sketch of pr	oposed flight track o	or page #)
Mission Synopsis: (in	clude plot of actu	ual flight track)	
Evaluation: (did the e	xperiment meet t	he proposed objectiv	ves?)
Problems:(list all pro	blems)		
Expendables used in r		Cond	Pad
GPS sondes :	Deployed	Good	Bad
AXBTs:		1	
Sonobuoys:			
UAVs			