Lead Project Scientist

Flight		Project Hayrian Malle Experiment type Mission ID
Prefli	_	Wilssion ID
110111	1.	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft from the Field Program Director.
	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.
	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.
	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 heat and speak using the headset.
In-Fli	ght	
and the desired	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.	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.
	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 fl	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.
<u>.</u>	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 Experiment name Storm or Project Flight ID Mission ID_ A. Participants: HRD **AOC Function Participant** Function **Participant** Lead Project Scientist Flight Director Radar/Workstation **Pilots** Navigator **Cloud Physics** Systems Engineer Data Technician Dropwindsonde Electronics Technician AXBT/AXCP Other Photographer/Observer s/Guests B. Take-off and Landing Times and Locations; Take-Off: 1806 UTC Location: MccDL Landing: ____UTC Location: ____ Number of Eye Penetrations: _____ C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
*				

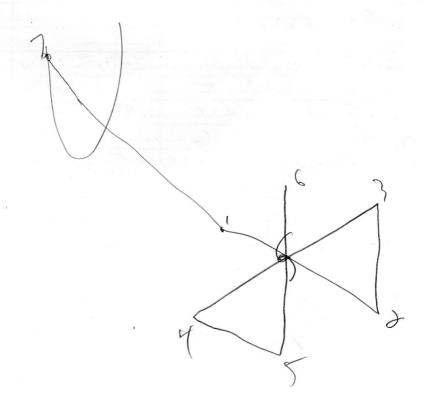
D. Mission Briefing:

Storm or Project Hurrican Mathew	Experiment name
Flight ID 20161005 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				
Doppler Radar/TA				
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument				
Workstation				2
Cameras				

REMARKS:



Lead Project Scientist Event Log

Date 10/16 Flight ID 2016(005I) LPS Cione

Position Comments Time **Event** 301 HANG Fest

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

	Scientific Crew (<u>4 KF)</u>		
	Lead Project Scientist	Clae		
	Radar Scientist	Kalina		
	Cloud Physics Scientist		<u> </u>	
	Dropwindsonde Scientist_	RYAN		
	Boundary-Layer Scientist			
	Workstation Scientist_		<u></u>	
	Observers (affiliation)			
14: . D . C	/· 1 1 1 / 1 C			
Mission Briefing: ((include sketch of proposed fligh	it track or page #)	7	
			6 -3	
			\mathcal{M}'	
			4	
Mission Synopsis:	(include plot of actual flight trac	ck)		
			(150000	
	TOR	MISSION	(C) Goldon	
		2 /	Dans (Rea) @	
		14	(c/ 5 aldan BTS) Props (Reg) @ Expoints + II C Center to Mis Points 1-2; 3	1/
			edpoints +1	0
Evaluation: (did th	he experiment meet the proposed	(objectives?)	C Center to Mis	Ó
Dramation. (and in	ie experiment meet the proposed	, cojecures.)	and I-dis	-
			(/01/05)	
			Total 11 Dress	
Problems:(list all p	problems)			
T 111 1				
Expendables used				
GPS sondes : _				
AXBTs :				
Sonobuovs:				