**Lead Project Scientist** Experiment name NHC RE Mission ID 10443 6704 Storm or Project\_ Flight ID Preflight 1. Participate in general mission briefing. 2. Determine specific mission and flight requirements for assigned aircraft. Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility 3. and the mission designation. Contact HRD members of crew to: Assure availability for mission. b. Review field program safety checklist Arrange ground transportation schedule when deployed. Determine equipment status. 5. Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing. Meet with AOC flight crew at least 2 hours before take-off for crew briefing. Provide copies of flight 6. 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. Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times. 8. 9. Make sure each HRD flight crew member has a life vest. Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear 10. 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. Confirm data recording rate. 3. 4. Complete Lead Project Scientist Form. Check in with the flight director to make sure the mission is going as planned (i.e. turns are made when they are 5. supposed to be made). Post flight 1. Debrief scientific crew. Gather completed forms for mission and turn in to data manager at HRD. 2. 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. 4. Obtain a copy of serial flight data on thumb drive. Turn in with completed forms. 5. [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 6. 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.

Prepare written mission summary using Mission Summary form.

9.

Lead Project Scientist Check List							
Storm or Project DANNY Experiment name NHC (Lacon)							
Storm or Project DANNY Experiment name NHC RECON Flight ID 2015082471 Mission ID NOAA3 0704A							
A. Participants:							
17	HRD		AOC				
Function	Particip	ant Function	n	Participant			
Lead Project Scien	itist Whih	Flight D	Director	Henning			
Radar/Workstation	Y St	Pilots		Sweeny Kebbe			
DWL	Lyan	Navigat	or	gauagher			
Cloud Physics	to Lite of Japan Drawn govern	Systems	Engineer Engineer				
- Company 14-Action 14-	parties, ratinggo states;	Data Te	chnician	Richards			
Dropwindsonde	Klota	Electron	nics Technician	Lynch			
AXBT/AXCP Other							
Photographer/Observer							
s/Guests							
B. Take-off and La	anding Times and	Locations:					
Take-Off:UTC Location:							
Landing:UTC Location:							
Number of Eve Don	otrotions.						
Number of Eye Penetrations:							
C. Past and Forecast Storm Locations:							
Date/Time	Latitude	Longitude	MSLP	Maximum Wind			
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	Manday London Salahan	C-NV-10 N - 1 - Bris	1-7-7-6-7				

D. Mission Briefing:

## **Lead Project Scientist Event Log**

Date	Flight ID	LPS

dD 55 T 157 A Weldelis VA 167 L Down L To Discrete Miles Park Control							
Time	Event	Position	Comments				
0604	+10	relative and	and the same of th				
0648	Begin leg 0	1.5016151					
071025	Drop O	1535.6033	Lots of lighting				
071742	Dros 3	1517 6009	"center"				
075118	Dr.10(3)	5947 1618	zolegit bes E				
0802.	Turn south		9				
081944	DCap(4)	15 48 6033	FL censer				
0836	Frd les SI	5 of carre	A THE STATE OF THE				
0910	Drop (8)		PODRATORIE ALEXEN				
09/6	RTB	164	1311/11/2010 FT				
0438	LAND	BGI	THE PARTY OF THE P				
		2					
			STAVITER				
	2						