

Lead Project Scientist

Storm or Project

BERTHA

Experiment name

OCEAN SURVEY

Flight ID 20140802#1

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 flight

- ☒ 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 data 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 _____ Experiment name _____

Flight ID _____ Mission ID _____

A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	Uhlhorn	Flight Director	Holmes
Radar/Workstation	PECASE homin Rogers	Pilots	Kibbey Kearns
Cloud Physics		Navigator	Timmy G.
		Systems Engineer	
		Data Technician	Bosco
Dropwindsonde		Electronics Technician	
AXBT/AXCP	Uhlhorn	Other	
Photographer/Observer			
s/Guests			

B. Take-off and Landing Times and Locations:

Take-Off: 1732 UTC Location: TISX

Landing: _____ UTC Location: _____

Number of Eye Penetrations: _____

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind

D. Mission Briefing:

Play tasked fix for Bertha, then ocean
Survey N. of Hispaniola

Date 2 Aug 2014 Flight ID _____ LPS _____

[illegible]

71-73
265-23.5

Observer's Flight Track Worksheet

Date _____ Flight _____ Observer _____

