

## Lead Project Scientist

### Preflight

- \_\_\_\_\_ 1. Participate in general mission briefing.
- \_\_\_\_\_ 2. Determine specific mission and flight requirements for assigned aircraft.
- \_\_\_\_\_ 3. Determine from field program director whether aircraft has operational fix responsibility and discuss with AOC flight director/meteorologist unless briefed otherwise by field program director.
- \_\_\_\_\_ 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.
- \_\_\_\_\_ 5. 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.
- \_\_\_\_\_ 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami).
- \_\_\_\_\_ 7. Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
- \_\_\_\_\_ 7. Make sure each HRD flight crew members have life vests
- \_\_\_\_\_ 7. Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
- \_\_\_\_\_ 8. Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.

### 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. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
- \_\_\_\_\_ 3. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
- \_\_\_\_\_ 4. Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
- \_\_\_\_\_ 5. Obtain a copy of the radar DAT tapes. Turn in with completed forms.
- \_\_\_\_\_ 6. Obtain a copy of the all VHS videos from aircraft cameras (3-4 approx.). Turn in with completed forms.
- \_\_\_\_\_ 7. Obtain a copy of CD with all flight data. Turn in with completed forms.
- \_\_\_\_\_ 8. Determine next mission status, if any, and brief crews as necessary.
- \_\_\_\_\_ 9. Notify MGOC as to where you can be contacted and arrange for any further coordination required.
- \_\_\_\_\_ 10. Prepare written mission summary using **Mission Summary** form (due to Field Program Director a week after the flight).

# Lead Project Scientist Check List

Storm or Project TS ERNESTO Experiment name \_\_\_\_\_  
 Date 31 AUG 2006 Aircraft 42 RP Flight ID 060831H7

## A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist		Flight Director	<u>MAYEAUX</u>
Radar	<u>GAMACHE</u>	Pilots	
Workstation	<u>LEIGHTON</u>	Navigator	
Cloud Physics		Systems Engineer	<u>MACMILLAN</u>
Photographer/Observer		Data Technician	
/Guests		Electronics Technician	<u>BILL BOBBY</u>
Dropwindsonde		Other	
AXBT/AXCP			

## B. Take-off and Landing Times and Locations:

Take-Off: 124934 UTC Location: MACDILL

Landing: 210600 UTC Location: MACDILL

Number of Eye Penetrations: 0 because TS

## C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind

## D. Mission Briefing:

will be doing a rotating figure 4 pattern abbreviated by the show. will be dropping a bunch of BTs to map gulf stream as well.



## Lead Project Scientist Event Log

Date 31 AUG 2006 Flight 060831H1 LPS GAMTAA  
LEIGHTON

[illegible]