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 form 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

Date _____ **Aircraft** _____ **Flight ID** _____

A. Participants:

HRD		AOC	
Function	**Participant**	**Function**	**Participant**
Lead Project Scientist		Flight Director	~~[illegible]~~ Flaherty
Radar		Pilots	Jackie Chaj
Workstation		Navigator	Pete Siegel
Cloud Physics		Systems Engineer	~~Stan~~ Goldstein
Photographer/Observer /Guests		Data Technician	Tony Lynch, Jeff Smith
Dropwindsonde		Electronics Technician	
AXBT/AXCP		Other	

Garnache
R. Black

B. Take-off and Landing Locations:

Take-Off: _____ Location: _____

Landing: _____ Location: _____

Number of Eye Penetrations: _____

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind

D. Mission Briefing:

Lead Project Scientist Event Log

Date SEP 3, 2007 **Flight** 070903I **LPS** GAMACHE

Time	Event	Position	Comments
0754	T/O		
1040	IP	13°2' 75°9'	SE of 9 TRACK 315 167 max flt. level wind
1109	9	14°09' 76°40'	9
1208	Turn to 9 track 15	13°2' 77°52'	
1258	15	15°32' 75°30'	END SCIENCE

Drops

							OB#
SW4	122653	14°6' 77°5'	17.3/13.1°C	946.7	659.6	070819082	040
9 5	122753	14°10' 77°4°	23.1/4.2°C	963.7	659.6	054626236	04/
NE6	122936	14°14 77°0	8.6/12.1	971.5	686.8	054626224	043