Lead Project Scientist

Storm or Project INGRID **Experiment name**_____
Flight ID 20130915I **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 Event Log

Date _____ **Flight ID**_____ **LPS** _____

Time	Event	Position	Comments
1802	T/O	KMCF	
205440	Dep (1) BT (1)	22 47 95 16	75 mi E of Center
210136	Drop (2) BT (2)	22 45 95 46	E E/W
210447	Drop (3) BT (3)	22 45 95 59	Center drop
210816	Drop (4) —	22 46 96 14	W E/W
211426	Drop (5) BT (4)	22 46 96 45	SST 28.7
212232	Drop (6) BT (5)	22 45 97 18	75 mi W turn S 28.7
214733	Drop (7) BT (6)	21 30 95 57	N. turn ~~to S of SST~~ SST
215920	Drop (8) BT (7)	21 11 95 58	28.7 SST
221805	Drop (9) BT (8)	22 48 96 02	Center 22.4 SST
222037	Drop (10)	22 58 96 02	N E/W
222729	Drop (11) BT (9)	23 26 96 02	
~~22~~ 2235			30° turn 15° turn
225015	Drop (12) BT (10)	24 00 96 02	75 mi N. Fast fall
225217	Drop (13)	23 53 96 02	Backup to (12)
230012	Drop (14)	23 23 96 02	Beg. Circum Nav
230610	Drop (15)	23 08 96 36	
231201	Drop (16)	22 47 96 40	
231809	Drop (17)	22 22 96 28	
232411	Drop (18)	22 12 96 01	
233016	Drop (19)	22 24 95 33	
233556	Drop (20)	22 48 95 23	
234134	Drop (21)		
234747			End Circum
235220	Drop (22)	23 07 96 07	N E/W Beg C-Fest
235942	Drop (23)	22 58 96 09	Center mark
000313	Drop (24)	23 13 95 54	N E/W

29.0

Lead Project Scientist Event Log

Date ________________ Flight ID________________ LPS ____________________

Time	Event	Position	Comments
004427	Drop (25)	23 08 96 09	N E/W
014138		2300 96 21	Center Mark
015020	Drop (26)		