

Lead Project Scientist

Storm or Project ERIKA Experiment name 20150827II
Flight ID _____ 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
0437	T/O	BGF	
051905	Drop (1)	1520 60 58	Begin leg (1) NB
			S/K/E
053959	Drop (2)	16 32 60 37	center (1) MISSE
054238	Drop (3)	16 32 60 40	center (2)
060721	Drop (4)	18 04 60 40	TURN BACK TO S.
0609			
063045	Drop (5)	16 49 60 49	(C) RMW
063631	Drop (6)	16 30 60 58	center
071216	Drop (7)	16 31 62 37	Late L.D.
075804	Drop (8)	16 32 59 28	End leg
081510	Drop (9)	17 34 60 09	turn IB to SW
085339	Drop (10)	15 34 62 03	turn to E
092530	Drop (11)	15 33 60 17	turn to NW
100352	Drop (12)	17 37 62 25	turn back to SW
103013	Drop (13)	16 16 61 53	center

END LEG —
BEG LEG