

Lead Project Scientist

Storm or Project _____

Experiment name Ed. Post Storm

Flight ID 20140917I

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.

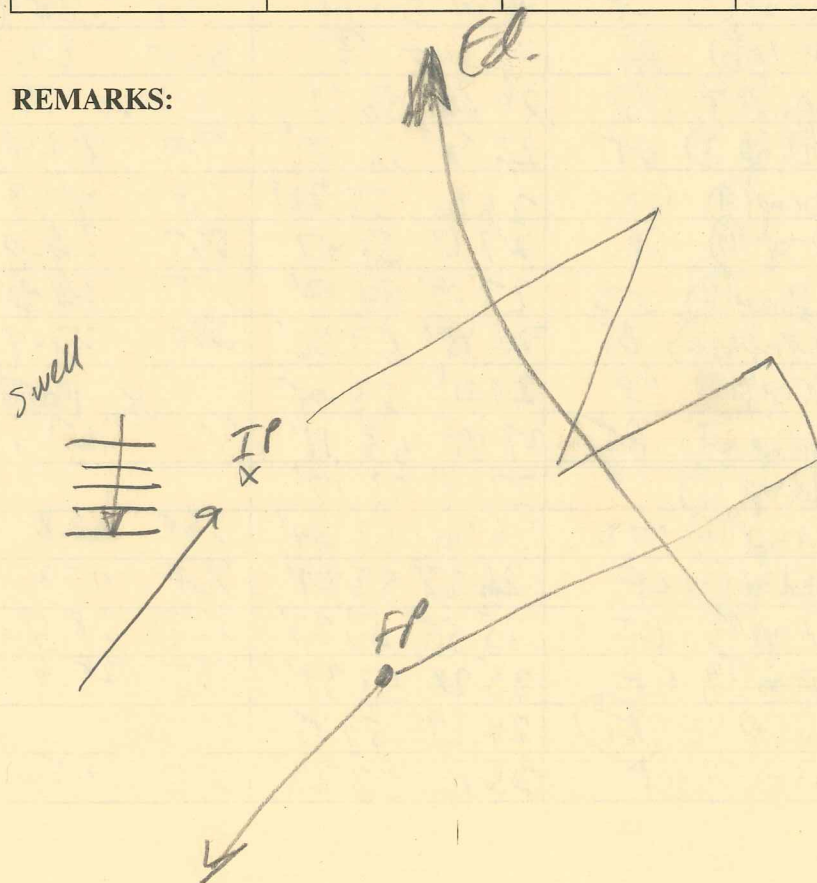
Storm or Project _____ Experiment name _____

Flight ID _____ Mission ID _____

E. — Equipment Status (Up ↑, Down ↓, Not Available N/A, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF				
Doppler Radar/TA				
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument				
Workstation				
Cameras				

REMARKS:



Lead Project Scientist Event Log

Date _____ Flight ID _____ LPS _____

Time	Event	Position	Comments
	T/O		
180250	Begin turns	24 27 59 03	
181910	Begin 30°		Video 1 full turn @ 30°
			8 K ft
~1835	End 450		
184242	Drop ① CP	25 00' 58 23'	SST 29.3
184850	Drop ② BT	25 20' 58 09'	SST 29.3
185330	Drop ③ BT	25 37' 58 00'	
185942	Drop ④ BT	25 49' 57 36'	SST 29.2
190500	Drop ⑤ CP	26 01' 57 11'	SST 28.9
191213	Drop ⑥ BT	26 01' 57 11'	SST 27.9
191833	Drop ⑦ CTD	26 26' 56 23'	2 MLs SST 28.9
192504	Drop ⑧ BT	26 38' 56 00'	SST 27.4
193407	Drop ⑨ CP	26 55' 55 22'	SST 27.3
194300	Drop ⑩ CP	27 13' 54 47'	SST 26.0
195150	Drop ⑪ CTD	27 29' 54 12'	SST 26.5
200042	Drop ⑫ BT	25 46' 53 36'	SST 27.4
200820	Drop ⑬ CP	28 00' 53 05'	X Bad
201437	Drop ⑭ BT	27 39' 53 11'	SST 27.7
202057	Drop ⑮ CP	27 14' 53 17'	
202713	Drop ⑯ CTD	26 50' 53 21'	SST 27.8
203355	Drop ⑰ CP	26 23' 53 27'	SST 27.2
204031	Drop ⑱ BT	25 58' 53 33'	SST 28.4
204746	Drop ⑲ CP	25 28' 53 39'	SST 28.6
205514	Drop 20 (BT)	24 59' 53 45'	?
210152	Drop ⑳ CP	25 11' 53 23'	SST 28.5

Lead Project Scientist Event Log

Date _____ Flight ID _____ LPS _____

[illegible]

turn to SE

turn to —
SW

Simultaneous