

Flight ID 080910i Lead Project Scientist Storm IKE LPS DUNION  
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 IKE Experiment name TDR  
 Date 10 Sep 2008 Aircraft 43RF Flight ID 0809101  
1909A IKE

#### A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	<u>Dunton</u>	Flight Director	<u>Mayeaux</u>
Radar	<u>M. Black</u>	Pilots	<u>Choy/Ebhardt/</u>
Workstation	<u>Dorst</u>	Navigator	<u>Kidder</u>
Cloud Physics		Systems Engineer	<u>Floyd</u>
Photographer/Observer		Data Technician	<u>Lynch</u>
/Guests		Electronics Technician	<u>Smith</u>
Dropwindsonde	<u>M. Black/Dorst</u>	Other	
AXBT/AXCP			

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

Take-Off: 0808 UTC Location: MacDill  
 Landing: 1525 UTC Location: MacDill

Number of Eye Penetrations: \_\_\_\_\_

#### C. Past and Forecast Storm Locations:

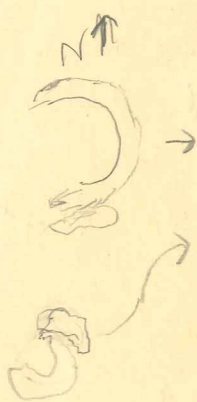
Date/Time	Latitude	Longitude	MSLP	Maximum Wind
<u>Adv 10 Sep 3Z</u>	<u>23.2</u>	<u>84.3 W</u>		<u>70kt</u>
<u>First 10 Sep 12Z</u>	<u>23.9N</u>	<u>85.5 W</u>		
<u>0708Z</u>	<u>23 27' (23.45)</u>	<u>84 40' (84.67)</u>		
<u>09Z adv.</u>	<u>23.5 N</u>	<u>84.9 W</u>		
<u>1258Z vort</u>	<u>23'43"N</u>	<u>85'18"W</u>		

#### D. Mission Briefing:



## Lead Project Scientist Event Log

Date 9-10-08 Flight 080910i LPS Dunbar

[illegible]

# Lead Project Scientist Event Log

Date \_\_\_\_\_ Flight \_\_\_\_\_ LPS \_\_\_\_\_

20 BTs

HRD drops: 10, NWS: 6

Time	Event	Position	Comments
	Drop 1 / AXBT	NW	NWS sonde (no scatterers)
	AXBT		
	Drop 2 / AXBT	NW	(HRD) sonde
	AXBT		
	ctr drop (drop 3)	ctr	961.4 sfc press NWS
	AXBT	SE	
	drop 4 / AXBT	E	(HRD) drop
	AXBT	E	bad AXBT
	drop 5 / AXBT	E	(HRD) drop (Bad AXBT)
	ctr pass (no drop)		958.3 Extrap.
	drop 6 / AXBT	W	(HRD)
	AXBT / Drop 7	SW	NWS
	drop 8 / AXBT	SW	(HRD) 956.9
	drop 9	ctr	(HRD) 956.9 0.4 m/s
	AXBT	NE	
	drop 10 / AXBT	NE corner	(HRD)
	drop 11 / AXBT	NE corner	(HRD)
	drop 12 / AXBT	N corner	NWS
	AXBT	N	
	drop 13 / AXBT	N	(HRD)
	AXBT		
	drop 14 / AXBT	S	(HRD)
	drop 15	ctr (northbound)	NWS
	drop 16	N (FP)	NWS

1258 23-3840  
15-18