

**Lead Project Scientist**

**Flight ID** 120828h2 **Storm** ISAAC **LPS** Dunion  
**Preflight**

- J   1. Participate in general mission briefing.
- V   2. Determine specific mission and flight requirements for assigned aircraft.
- N   3. Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
- J   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.
- J   5. Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
- J   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.
- J   6. Report status of aircraft, systems, necessary on-board supplies and crews to HFP Director.
- J   7. Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
- J   7. Make sure each HRD flight crew member has a life vest.
- J   7. Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.

**In-Flight**

- J   1. Confirm from AOC flight director that satellite data link is operative.
- J   2. Confirm camera mode of operation.
- J   3. Confirm radar recording set-up.
- J   4. Confirm data recording rate.
- J   5. Complete Lead Project Scientist Form.
- J   6. 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 bag separately from other missions. Turn in to data manager at HRD.
- 5. Copy serial flight data, dropsonde files, and radar data onto thumb drive. Turn in with completed forms.
- 6. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to HFP Director.
- 7. Determine next mission status, if any, and brief crews as necessary.
- 8. Notify HFP Director 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 Check List

Storm or Project \_\_\_\_\_ Experiment name \_\_\_\_\_  
 Date \_\_\_\_\_ Aircraft \_\_\_\_\_ Flight ID \_\_\_\_\_  
 Mission ID \_\_\_\_\_

**A. Participants:**

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	_____	Flight Director	William S
Radar	_____	Pilots	Holmerson Kibbey
Dropwindsonde	_____	Navigator	Brakob
Sea-Air	_____	Systems Engineer	_____
Photographer/Observer/ Guests (give affiliation)	_____	Data Technician	_____
Cloud Physics	_____	Electronics Technician	_____
		Other (                      )	_____

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

Take-Off: 1942 UTC Location: JAX

Landing: 0410 UTC Location: MACDILL

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

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

Date/Time	Latitude	Longitude	MSLP	Maximum Wind

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

Equipment	Pre-Flight	In-Flight	Post-Flight	Number of Expendables
Radar/LF				
Doppler Radar/TA				
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument				
Cameras				
Other ( )				

D. Mission Briefing:

- adjustments to pattern: overfly ponchartrain for stc adj. winds from 10Kft
- set up a box in NE quadr. to sample onshore flow + compl. TX Tech Univ.  
sticknets set up along the coast from mobile Bay to ponchartrain
- squeezed in a center drop "just" before landfall
- cut pt 4 to R=90nm from 105km for fuel

340 9  
245 17  
230 17

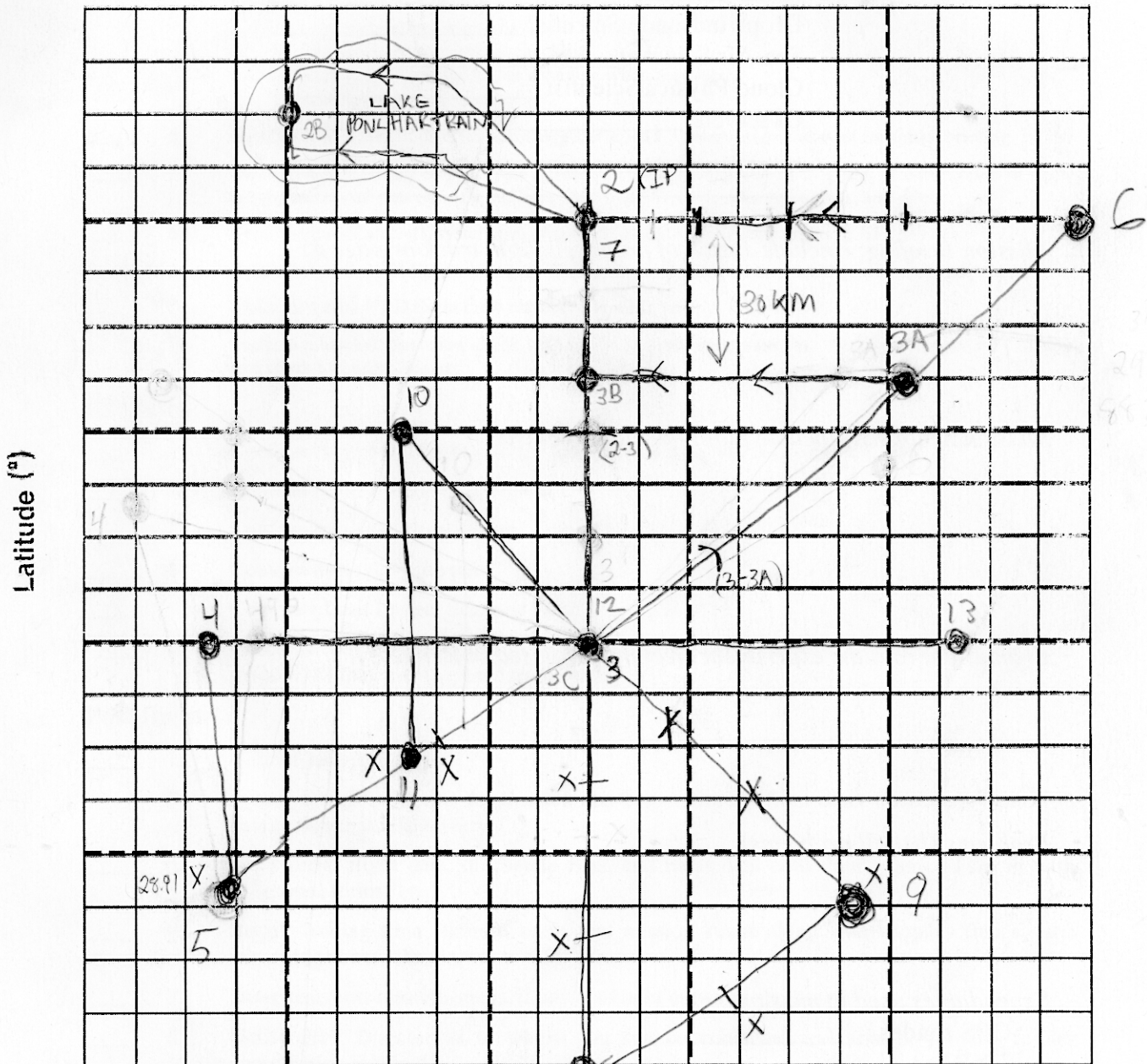
### Observer's Flight Track Worksheet

Date \_\_\_\_\_ Flight \_\_\_\_\_ Observer \_\_\_\_\_

• Trnpt Sndle+ BT  
) RMW

X AXBT  
+ extra sonde

30 04  
8919



Pt 3 (ctr): 970.5 5kt

Storm mot. from Nav 320 08kt

Pt 3C (ctr): 970.7

" 340 09kt

Pt 7 at ~ 0045