Flight	ID 4	20120827#1 Storm (Saac LPS Marks)				
Prefli	ght	DIO DIO				
_	1.	Participate in general mission briefing.				
~	2.	Determine specific mission and flight requirements for assigned aircraft.				
<u></u>	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.				
<u> </u>	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.				
<u> </u>	6.	Report status of aircraft, systems, necessary on-board supplies and crews to HFP Director.				
V	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 member has a life vest.				
	7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.				
In-Fli	ght					
	1.	Confirm from AOC flight director that satellite data link is operative.				
1	2.	Confirm camera mode of operation.				
	3.	Confirm radar recording set-up.				
	4.	Confirm data recording rate.				
1	5.	Complete Lead Project Scientist Form.				
	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 f	light					
U	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.				
0	6.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to HFP Director.				
\vee	7.	Determine next mission status, if any, and brief crews as necessary.				
1	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

HRI			AOC		
Function	Participant	Function	Participant		
Lead Project Scientist	ΛΛ c -	Flight Director	Sears		
Radar	Sell wood	Pilots	Nelson/sween		
Dropwindsonde	hat stillinging the days with the	Navigator	3/oan		
Sea-Air		Systems Engineer	Heystale		
Photographer/Observer/ Guests (give affiliation)		Data Technician	CILYINGLA		
Cloud Physics		Electronics Technician			
		Other ()		
B. Take-off and Landin Take-Off: Landing: Number of Eye Penetrat C. Past and Forecast S	_UTC Location:UTC Location: ions:	AX	unvecc		
C. I ast and Porceast 5					

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

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

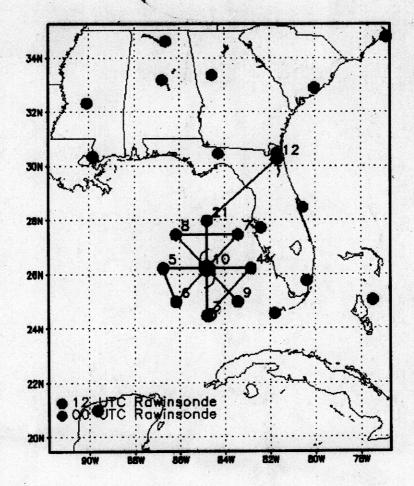
D. Mission Briefing:

rotating Fig of bos non legs drops endpointed, & RMW, of 1st & last (see attached sheet)

See my 109 for notes

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

	Scientific Crew (4 RF)
	Lead Project Scientist Maly
	Radar Scientist Schwood
	Dropwindsonde Scientist '\
	Sea-Air Scientist
	Cloud Physics Scientist
	Observers Rds Howard (FSU)
	<u></u>
Mission Briefing: (1	include sketch of proposed flight track or page #)
Mission Synopsis: ((include plot of actual flight track)
Evaluation: (did th	e experiment meet the proposed objectives?)
Problems:(list all p	oroblems)
T 1.11	in mingion.
Expendables used	
GPS sondes : _	
Sonobuoys:	



MISSION PLAN: ISAAC

Prepared by the Hurricane Research Division File: currentl.ftk

Aircraft: N42RF Proposed takeoff: 27/0800Z

TRACK DISTANCE TABLE

#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL	TIME (h:mm)
0	JACKSO	NVILLE		0.	0.	0:01
15	27 57	84 48	105/000	214.	214.	0:57
25	24 27	84 48	105/180	210.	424.	1:53
38	26 12	82 51	105/090	149.	573.	2:32
48	26 12	86 45	105/270	210.	783.	3:27
5S	24 58	86 10	105/225	80.	863.	3:49
65	27 26	83 25	105/045	210.	1073.	4:45
75	27 26	86 11	105/315	147.	1220.	5:24
85	24 58	83 26	105/135	210.	1430.	6:19
98	26 12	84 48	0/000	105.	1535.	6:47
.08	27 57	84 48	105/000	105.	1640.	7:15
1	JACKSONVILLE			214.	1854.	7:59