		Lead Project Scientist			
Fligh	nt ID	0809 Di Storm IKE LPS J. Dunjon			
Pref		DEGINE DEGINE			
/		Participate in general mission briefing.			
1		Determine specific mission and flight requirements for assigned aircraft.			
/		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.			
1	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.			
1	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.			
1	7.	Make sure each HRD flight crew members have life vests			
<u> </u>	7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.			
V	8.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.			
In-Fli	ight				
	1	Confirm from ACC flight director that actallity data link in accounting (in formation)			
V	2	Confirm from AOC flight director that satellite data link is operative (information).			
J	2.	Confirm date recording rate			
J	3.	Confirm data recording rate.			
7	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 f	light				
1		Debrief scientific crew.			
J.	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.			
<u> </u>	5.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.			
_	6.	Obtain a copy of the all VHS videos form 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.			
<u> </u>	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	KE		Experiment name	TDR
Date_	11- Sep 2008	Aircraft _	N43	Flight ID	0809111

A. Participants:

HR)	AC	C
Function	Participant	Function	Participant
Lead Project Scientist	J. Dunibu	Flight Director	Mayeanx
Radar		Pilots	1 101 100(1)
	MBlack		Ebhard &/Chay
Workstation	M-Black	Navigator	Bishop/kidder
Cloud Physics		Systems Engineer	Klippe
Photographer/Observer	and the second of the	Data Technician	
/Guests			Lynch
Dropwindsonde	Dorsd/x. Zhang	Electronics Technician	Ismith / O. Nacher
AXBT/AXCP	Benjamin James	Other	J. SITILLY J. TVINENET

B. Take-off and Landing Times and Locations:

Take-Off:	0810	UTC	Location:	MacDill	
Landing:	16:55	UTC	Location:	MacDill	

Number of Eye Penetrations: ______

C. Past and Forecast Storm Locations:

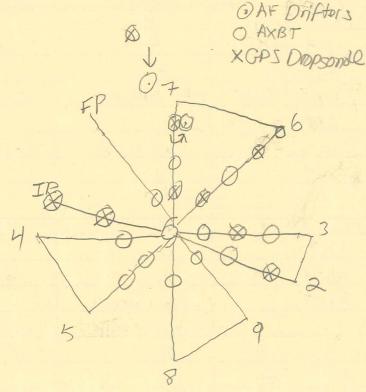
Date/Time	Latitude	Longitude	MSLP	Maximum Wind
11 Sep 97	25.2N	87.6W	946mb	85 Kd
11187	25'21" (25,35)	87 '55" 87.92		

D. Mission Briefing:

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF	1	1		
Doppler Radar/TA	1	1	registration of the	
Cloud Physics	0	0		
Data System	T.	1		
GPS sondes	1	1		La Contraction
AXBT/AXCP	1	M	a file	
Ozone instrument	0	Ö		
Workstation	1	1		
Videography	1	P		

REMARKS:



- IP = 112 Sep 007 pos
- IP + Following AXBT/drop for Joe Clone's Inner Storm cooling study
 MRD sondes to support Nick Shay's / Whiten's AXBT study

Lead Project Scientist Event Log

Date 11 Sep 2008 Flight 080911' LPS Junion

Time	Event	Position	Comments
0943	Orop 1 / AKBT	IP (NW)	(MRD) sonde
0170	Drop 2/AXBT	NW	(HRDY
69172	1st penetration	NW-SE	exemall ofen west semicil
~944mb			Secondary exewall ~ 20mm ou
/			
	AXBT only	SE.	
	DAP 3/AXBT	SE	(HRD)
10572	AXBJ only	E	1377.44
11022	Drop 4 AXPST	EA	ARD
	AXBT only	E	
	Drop 5/AXBT	Ctr 945.1mb	NMZ
11242	AXBT only	W	and the second
	Drop 6	SW comer	NWS (no scatterery)
	AXBT	SW	
		center	
	AXBT/. Drop 7	NE	(HRD)
	AXBT	NE	
	AKBT/Drop 8	NE CONTRACT	(HRD) BAD AXBT
	AXBT	NE corner	BAD AXBT
1 2 2 2		MW Comer	(1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	AXBT/Drop 9	N	(HRD) -> coord, U/ NONA dristing buoy
	AXBT only	N	PAD AXBIT
	AXBT/Drop 10	N	H(HRD)
1340	ANBT unly	\$	
	AXBT only	SE	
	Drop 11	Center 946,7	NWS

6Kt

NW

FAILED CAD LAUNCH

AXBT only

30mm

Lead Project Scientist Event Log

Date	Flight	LPS	and a second
------	--------	-----	--------------

	wal	5
01.	0	where where
Ìí	non y	M
	D	
	1	
W.	9	

Time	Event	Position	Comments
09172	157 penetration	NW-SE	exemall open W semicircle
			secondam exercall ~ 20 nm outs 12
	IP-2 leg 5	SE	log cut short ~5mm to avoid
The fine	leg 5-6	Center	outer exewall heginning to
			wrap around the S+SW
			Inner+auten exemals still ~ 20k apart
2011=	2000		
08452	near end of 5-6 lea		~ 100kt FL, only ~ 5558 SFC
1711	7010	N	
1315	7-8 109	10	bowed out Alight track to
			26.661N 88,041W to
American St.			overly NORM drifter (29 mE of the
13342	center	945mb	open eyewall (west)
			secondary exemul persits
- Fire -	The second second		January Entire 1
1355	7-8 leg	end of legs	turned a bit early to NE to avoid cells
	9-10 ley	enter	center and eyeun's very
- Total			much Similar to previous passes
	2 (1)		(Open 40 M4N)
	10-driffing buoy		drifting buoy averflight
	NHC Ilam Disc		NORA: 103kt FL (-750mb) -> SFMR + Sondes only 65kt
			4 mid-levels + sfc seem olecoupled

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF) Lead Project Scientist JASON DUNION Radar Scientist M. Black Cloud Physics Scientist____ Dropwindsonde Scientist Norst/x. Zhana Boundary-Layer Scientist_____ Workstation Scientist BLack / Dorst Observers Mission Briefing: (include sketch of proposed flight track or page #) Mission Synopsis: (include plot of actual flight track) Evaluation: (did the experiment meet the proposed objectives?) Problems:(list all problems) Expendables used in mission:

GPS sondes : ______

Sonobuoys: _____