1771. 1	, TTD	Ogo 831 H Storm Gy tav LPS Aberson
		O80831H Storm Gu tav LPS Aberson
Prefli	ignt	
	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-Fli	ght	
	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 fl	ight	
	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 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.
15 <u>11</u> 17	8.	Determine next mission status, if any, and brief crews as necessary.
1,923	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_	Gurtav	Experiment name Ocean winde
Date 060 831	Aircraft NARF	Flight ID OPP3/h

A. Participants:

HRI	D	AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	Aberson	Flight Director	Dameano	
Radar	1100 2011	Pilots	- conto	
	Annama / Lorsolo		Chan & rumme Lacort	
Workstation	Annono I Lorsolo	Navigator	Sincil 'D	
Cloud Physics		Systems Engineer	Both	
Photographer/Observer		Data Technician	01	
/Guests			Trane Illattoin	
Dropwindsonde	Annano / Lorsolo	Electronics Technician	Harpy Bosko Ana	
AXBT/AXCP	Aborson	Other Change, Bolange	Chy. M. Manus	

B.	Take-off	and]	Landing	Times	and	Location	S
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Take-Off: 1921	_UTC	Location:	Mackell
Landing: 0349	UTC	Location:	Mach 100

Number of Eye Penetrations: 7

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
173710 AF	25 49	86 34	960 mb	93kt sfc, 105kt FL	
191080 AF	26 04	86 56	957 mb	74ktote, 10SktFL	301
2058 NOAA	26 18	87 11	955mb extrap	95kt sfc, 98kt FL	
20.5440 AF	26 19	87 13	956 mb		315/1
2226 NOAA	26 35	87 24	9530xtrap 95450mdo	101ktsfc, 111kt FL	
2303 AFAA	36 43	() 39 (1h)	953 mb extrap	Trutste, 97kt FL	1.0

D. Mission Briefing: "Figure 4 from 3E, then ocean winds with the grate of the BTs drops at ends of Figure 4 and in lye. BTs along SE b NW leg at med points

purave has double eyearall of nieteine

Lead Project Scientist Event Log

Date 080831 Flight 08083/I LPS Aberson

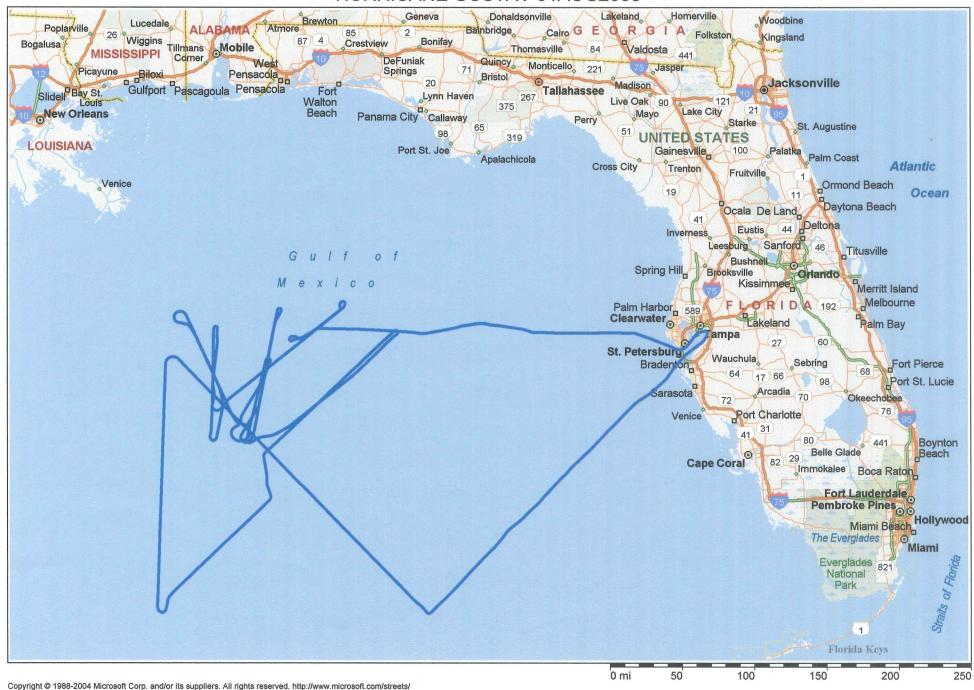
Time	Event	Position	Comments
192/	Cheed.	MacAill	The state of the s
	Wentenuclu on der	1	17 angening
1936	Through Lirst outer		
6030	Turm in bound	Sondo #1 B	T #7 and, see sheet.
2041		B	T #2 good
2051		B	T#3 no data
205438		Sondo #2 SEquence	20
2101			11 #4 good flat pressure mene
910 220		Sonde#3 NW eyes	
211114			7 ± 5 good
		TAOUT Se de de mot k	was how Toyle, so outfor auchele
2116	turn to downward leg		V V
212357		1	46
2131	radar back up Bd.	A TAX LF were out	· · · · · · · · · · · · · · · · · · ·
2156	durm NE inbound		
215713	50) 105mm	0 0 0 0	±7
2212	Serondary wind ma		spod on suchee
2219	stated hunting for		T#8 SW Levenall Damons =
226		To	±9 eye
9233 9242 9351	D-t-+ /	Sonde # 8 1	NE eyourall fait foll
	Restart radar	Wi C / HO D	
225554			#10 NE105 nm
2256	turn right back in b	- A	W5 a a a AA
2320	huntdor conter	Sonde # 10	NE ayouall
R385	Yurmed back N	26 46 87 31	2327 952mb 320/15-16
2341	Yurn right atend 2 6	00 70 1131	2327 952mb 320/15-16

Lead Project Scientist Event Log

Date Flight I	LPS	
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Time	Event	Position	Comments
2342	BT #11 NA	storm	
2345	Sondo #11 Nra	un cand For Que ks cat	OULVOOSE
2349		reagall	54ms SFMR
23.570	Gurnaround in a	io autound	2649 8740 950 extrap
	2	Shonger granday un	and many FL
0016	BT#12	N point	
0017	Gurm in bound		
0030	Grass 2100 unbound	to avoid flying down	n eyengel
0039	Jurn outbound	1 -	
0/03	BT #13	NW point	
0121	Sande # 13	Nu mound	
0/27	Center fix Jura		
0149	BT#14 Yarn in	1	
0150	BT#15 Sonde Sondo#15		1 1 1 6
0157			bad dala
0218	Badar stopped up	late Best	ye Germ outbound
00010	Storm dowly	strongthoung b 90	11/10 1/2
	01/1	on growing to ison	mo sen war war g.
ALLE FIE	Looked like Ten	run Ol air Vo	
0200	Sonde # 17 BT	1001	CAGU
		TISCUS OVER	pall

HURRICANE GUSTAV 31AUG2008



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