## Lead Project Scientist

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.
5.	d. Determine equipment status.  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 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.
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

Date 9-14-200			0208A I	
A. Participants:		one restante econo co	020071	ngvia
	IRD		AOC	
Function	Partici		n	Participant
Lead Project Scientis		lhorn Flight D	irector	Paul Flohetz
Radar	Paul Le	4 shtor Pilots	westernings on the result	La las
Workstation	11	Navigat	or	Frong/rewnan
Cloud Physics	V/A	The state of the state of the same has	Engineer	
Photographer/Observ/Guests	er	Data Te	chnician	
Dropwindsonde	Erie/	Paul Electron	ics Technician	4
AXBT/AXCP	Eric/1	U. Other	Ocean Win	ds Crew
		hados Labados		
Number of Eye Penetro  C. Past and Forecast  Date/Time	ations:		MSLP	Maximum
Number of Eye Penetr	ations: Storm Location	ons:	MSLP	Maximum Wind
Tumber of Eye Penetr	ations: Storm Location	ons:	MSLP	
Number of Eye Penetr	ations: Storm Location	ons:	MSLP	
Number of Eye Penetr	ations: Storm Location	ons:	MSLP	
Number of Eye Penetr	ations: Storm Location	ons:	MSLP	
Number of Eye Penetr	ations: Storm Location	ons:	MSLP	
Date/Time	ations: Storm Location	ons:	MSLP	
Date/Time  Datesion Briefing:	Storm Location  Latitude	Longitude	and a second process of a second broadpast o	
Number of Eye Penetr	Storm Location  Latitude	Longitude	and a second process of a second broadpast o	Wind

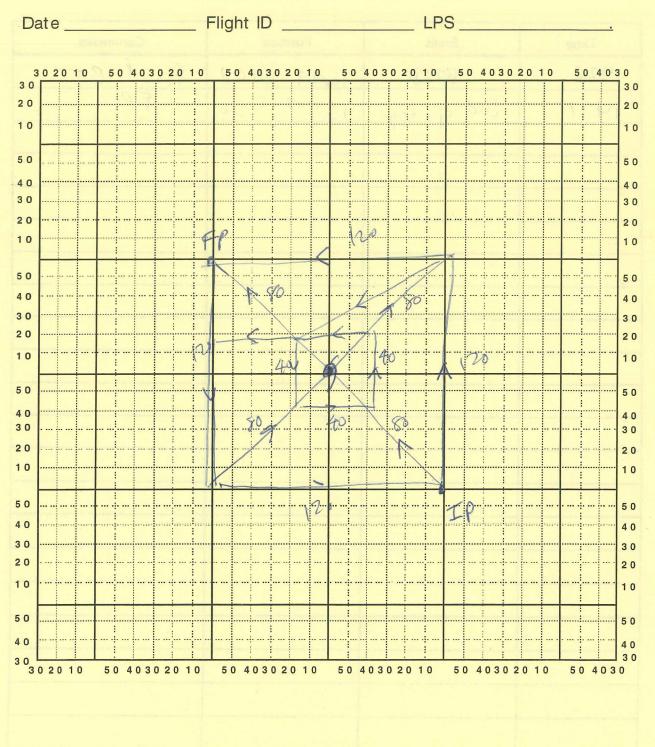
### Lead Project Scientist Event Log

Date 2067-09-14 prograf H1 LPS Frie U,

0750 0750 0750 0750 0750 0750 0750 0750	Time	Event	Position	Comments
0750 0825  0825  0825  0826  0826  0828  0838  0	07217	Tabesff	Barbados	
1825 1825 1826 1826 1828 1828 1828 1828 1828 1828	0750			Disabled Chips SFMR
1858 Desard to 1430  1952 IP  1952 IP  1952 IP  1952 IP  1952 IP  1952 PRIO AXETO 1417 48.23  1002 9950 14.78 48.77 SFWL 16 m/s  1017 9950 15.30 49.80 SFML 17 m/s  1018 9950 070 16.86 SD.59 SFML 17 m/s  1018 9950 070 16.86 SD.59 SFML 19 m/s  1110 9950 15.30 SO.59 SFML 19 m/s  1110 9950 15.55 50.09  1110 9950 14.87 SO.59 SFML 19 m/s  1112 9950 14.87 SO.59 SFML 19 m/s  1112 9950 14.87 SO.59 SFML 14m/s  1112 9950 14.87 SO.59 SFML 14m/s  1112 9950 14.87 SO.59 SFML 14m/s  1112 9950 14.87 SO.05  1127 9950 14.89 49.87 SFML 16 m/s  1115 9950 14.89 49.87 SFML 16 m/s  1152 9950 15.55 49.75 Center FX  1142 9950 15.56 49.23  1151 9950 16.01 GS.74 SFML 17 m/s  1152 9950 16.01 GS.74 SFML 17 m/s  1154 9950 16.01 GS.74 SFML 17 m/s  1157 turn to box 1  1337 FT O N.15 49.80 GO MI S  1402 BT O N.15 49.80 GO MI S	4825			due to KWRAP RFI
0930 Descrit to \$000'  0952 IP 1404'N 048 169'  0952 9960 AXBTO 14:17 48.23  1007 9950 14:78 48:97 SFINK 16 m/s  1017 9950 15:70 49:80 SFMR 17 m/s  1039 9950 050 16:36 50:59 SFMR 19 m/s  1039 9950 050 16:36 50:59 SFMR 19 m/s  1110 9950 14:52 50:09 Heavy Ram drop FMR 11112 9950 14:52 50:09 Heavy Ram drop FMR 11122 9950 14:52 50:09 Heavy Ram drop FMR 11122 9950 14:89 49:87 SFMR 16 m/s  1127 9950 14:89 49:87 SFMR 16 m/s  1135 9950 15:05 49:75 Center Fix  1142 9950 15:56 49:23  1150 49:57 50:04 SFMR 17 m/s  1150 9950 15:56 49:23  1150 9950 15:56 49:23  1150 9950 15:56 49:23  1150 15:56 49:23  1150 15:57 49:50 Go M 5	0825			Best Radar
0952	0858			
0952	0930	Descent to 50001		designation of the second
0952 9860 AXCTO 14.17 48.23  1007 9850 14.78 48.97 SFWL 16 m/s  1017 9850 070 15.09 49.86 Center  1022 9850 15.30 49.80 SFMR 17 m/s  1028 9850 15.58 50.09  1039 9850 070 16.06 50.59 SFMR 19 m/s  1054 BT B 15.17 50.68 557 28.11  1110 9850 14.7 50.59 587 27.0 SFMR 14m/s  1118 9860 14.52 50.19 Heavy Rain drop 38 m/s  1122 9850 14.89 49.87 SFMR 16 m/s  1135 9850 15.05 49.76 Center 5x  1142 9850 15.05 49.76 Center 5x  1142 9850 15.56 49.23  11562 9850 16.04 48.74 80 nmi PE  1157 Turn to box 1  1337 870 14.15 49.80 Go Mi S  1402 87.80 16.04 48.74 80 nmi PE	0952	IP	14 0.4 N 048 18.9"	
1007 983 14.78 48.97 SFINE 16 m/s 1017 986 BTD 15.09 49.06 Center  1022 9850 15.30 49.80 SFINE 17 m/s 1039 9850 BTO 16.06 50.59 SFINE 19 m/s 1059 BTA 15.17 50.68 557 28.1 1110 9858 BTB 14.7 50.59 587 28.1 1110 9850 14.52 50.09 Heavy Rain drop 38 m/s 1122 9850 14.89 49.87 SFINE 16 m/s 1135 9850 15.05 49.70 Center Fix 1142 9850 15.05 49.23 1146 98514 15.56 49.23 1156 9850 16.01 48.74 80 nmi NE 1157 turn to box 1 1337 870 N.15 49.80 Go Mi S 1402 BTO 14.15 49.80 Go Mi S	0952	GPS O AXISTO		
1017 978 BTD 1509 49.86 Center  1022 978 D 15.30 49.80 SFMR 17 m/s  1028 978 D 07 D 16.06 50.59 SFMR 19 m/s  1039 978 D 07 D 16.06 50.59 SFMR 19 m/s  1059 BT B 15.17 50.68 587 28.11  1110 978 B BT B 14.17 50.59 587 27.09 SFMR 14 m/s  1118 978 D 14.52 50.9 Heavy Rain drop 35 m/s  1122 978 D 14.89 49.87 SFMR 16 m/s  1135 978 D 15.05 49.76 Center 5 x  1142 978 D 15.35 49.76 Center 5 x  1142 978 D 15.56 49.23  1156 978 D 15.56 49.23  1157 turn to box 1  1337 87 D 14.15 49.80 Go mi 5  1402 BT B 14.15 49.80 Go mi 5	1002	985 D		CONTRACTOR OF
1022 978 15.30 49.80 SFMR 17 m/s  1028 978 0 15.58 50.09  1039 978 0 57 0 16.86 50.59 SFMR 19 m/s  1059 BT A 15.17 50.68 587 28.11  1110 978 8 57 3 14.17 50.59 SFT 27.9 SFMR 14 m/s  1118 978 0 14.52 50.09 Heavy Rain drop struck of the second of the secon	1007			SFWR 16 m/s
1078 998 0 BT 0 15.58 50.09  1039 988 0 BT 0 16.06 50.59 SEMPL 19 M/S  1059 BT B 15.17 50.68 55T 27.09 SEMPL 14 M/S  1110 988 BT B 14.17 50.59 SET 27.09 SEMPL 14 M/S  1118 9850 14.52 50.09 Heavy Rain drop FRIPL  1122 9850 14.89 49.87 SEMPL 16 M/S  1135 9850 15.05 49.76 Center Fix  1142 9850 15.05 49.76 Center Fix  1142 9850 15.56 49.23  1156 9850 576 16.04 48.74 80 min NE  1157 turn to box 1  1337 850 N.15 49.80 Go Mi S  1402 BT B N.15 49.80 Go Mi S	1017	6 PS (B) BTO	15.09 49.86	Cluter
1039 GPS D BT O 16.86 S0.59 SFMR 19 M/S  1059 BT B 15.17 S0.68 SST 28.1  1110 GPS B BT B 14.17 S0.59 SST 27.9 SFMR 14 M/S  1118 GPS O 14.52 S0.09 Heavy Rain drop FMR 3  1122 GPS O 14.89 49.87 SFMR 16 M/S  1135 GPS O 15.05 49.76 Center Fix  1142 GPS O 15.05 49.23  1142 GPS O 15.56 49.23  11562 GPS O GTO 16.01 48.74 BO NAI PE  1157 Turn to box 1  1337 BT O N.15 49.80 GO ME 5		The second secon	15:30 49.80	SFMR 17 m/s
1059 BT PD 15.17 50.68 558 28.1  1110 GRS B BT B 14.17 50.59 58T 27.09 56MR 14M/5  1118 GPS B 14.52 50.09 Heavy Rain drop 56MR 14M/5  1122 GPS B 14.67 50.05  1127 GPS B 14.67 50.05  1135 GPS B 15.05 49.76 Center Fix  1142 GPS B 15.05 49.23  1142 GPS B 15.56 49.23  1156 GRS B 16.04 48.74 BO Not PE  1157 Turn to box 1  1337 BT B 14.15 49.80 GO ME 5  1402 BT B 60 M E	1028	GPS (6)		
1110 FRS 8 BT B  1118 GPS B  1118 GPS B  1122 GPS B  1127 GPS B  1135 GPS B  1505 49.76 Center Fix  1142 GPS B  1505 49.23  1156 GPS B  1505 49.23  1156 GPS B  1507 FT B  1508 GPS B  1508 GPS B  1509 GPS B  150	1039	GPS 0 BT 0		SFMR 19 m/s
1110 9PS B BT B 14.7 50.59 587 27.0 5FMR 14M/5  1118 9PS B 14.52 50.9 Heavy Rain drop 5FMR 14M/5  1122 9PS B 14.67 50.05  1127 9PS B 14.67 50.05  1135 9PS B 15.05 49.70 Center 15x  1142 9PS B 15.05 49.70 Center 15x  1142 9PS B 15.56 49.23  1156 9PS B 16 B 16.04 98.74 BO non i PE  1157 turn to box 1  1157 1402 BT B N.15 49.80 Go Mi S  1402 BT B 16.04 PS.74 BO Mi S	1059	BTA	15.17 50.68	58[ 28:1
1122 GPS (10) 14.67 50.05  1127 GPS (10) 14.89 49.87 SFMR 16 m/s  1135 GPS (10) 15.05 49.78 Center Fix  1142 GPS (10) 15.05 49.23  1146 GPS (10) GT (10) 16.04 (18.74 80 nmi PE  1157 turn to box 1  1337 BT (10) 14.15 49.80 Go mi S  1402 BT (10) 14.15 49.80 Go m E	1110	5PS 8 BT 5		SST 27.0 SFAR 14M/5
1122 GPS (10) 14.67 50.05  1127 GPS (10) 14.89 49.87 SFMR 16 m/s  1135 GPS (10) 15.05 49.78 Center Fix  1142 GPS (10) 15.05 49.23  1146 GPS (10) GT (10) 16.04 (18.74 80 nmi PE  1157 turn to box 1  1337 BT (10) 14.15 49.80 Go mi S  1402 BT (10) 14.15 49.80 Go m E	1118	9050		Heavy Rain drop stark to
1135 GPS (2)  15.05 49.76 Center Fix  1142 GPS (3)  15.99 49.41 SFMR 17 M/S  1146 GPS (4) 15.56 49.23  1156 GPS (3) PT(3)  1157 turn to box 1  1337 PST (3)  1402 BT (3)  15.05 49.70 Go Mi S  1402 BT (3)  15.05 49.80 Go Mi S  16.04 Go M E	1122	GPS (10)		
1142 9800 15.99 49.41 SFAR 17 M/S  1146 98514 15.56 49.23  11562 980 970 16.04 48.74 80 nmi PE  1157 turn to box 1  1337 1570 14.15 49.80 60 mi S  1402 1578 60 M E	1127		14.89 49.87	
1196 98514 15.56 49.23 1156 98 0 GTC 16.04 48.74 80 nmi PE 1157 turn to box 1 1337 157 0 14.15 49.80 Go Mi S 1402 BT B GO M E			15.05 49.76	Center Fix
1156 918 0 GTO 16.04 48.74 80 nmi PE 1157 turn to box 1 1337 BTO N.15 49.80 Go Mi S 1402 BTO GO ME				SFAR 17 M/S
1157 turn to box 1 1337 BT 0 N.15 49.80 Go Mi S 1402 BT 0 GO M E	1146			
1337 BT (B) 14.15 49.80 GOMES 1402 BT (B) GOME	11562	9150 50	16.04 48.74	Bonni ME
1337 BT (B) N.15 49.80 GOMES		turn to box 1		
1402 BT (3) GOME			N.15 49.80	60 Mi 5
1411 two final outer 15.97 49.10	1402	BT (8)		60 M E
		two final outer	15.97 49.16	
100× 10g		box leg		

#### Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes



Note: Label full degrees according to location of the flight area.

#### Lead Project Scientist Event Log

Date Fight LF3	Date	Flight	LPS
----------------	------	--------	-----

	<del></del>		2.00,1
Time	Event	Position	Comments
1420	BTO	IS.99 49,67	Final BT
1471	End of leg	15.97 So. So	FP
			1 1 12
			0.1
0.		44	0.7
			0.5
		X (4)	
ma - view - i - i - i			22
0.8			00
	1-1-		
02	97		0.00
			0.2
7-6 4 - 5 - 5 - 6 - 6	050108 111112185	as erasalinina	01080808080108010

# Mission Summary Storm name YYMMDDA# Aircraft 4\_RF

Mission Briefing: (include sketch of proposed flight track or page #)
See flight track sketch
Mission Synopsis: (include plot of actual flight track)
Flight proceeded as planned, with the
exception of shortened outer box leg
East of Storm (80 m) instead of 120) for finelins,
Evaluation: (did the experiment meet the proposed objectives?)
Missian went of what a hitch a All Sondes
ANSTS good Both doppler analyses completed
and transmitted.
Problems:(list all problems)
Expendables used in mission:  GPS sondes:  AXBTs: Sonobuoys: