

U.S. Dept. of Commerce / NMAO / NOAA / Aircraft Operations Center

Flt ID: 20110823N2	From: KMCF	To: KMCF
Flt No: 11-074	Blk In: 0151z	Time On: 0143
ETD: 1730z	Blk Out: 1724z	Time Off: 1735z
ETE: 8+15	Blk Time: 8.5 Hrs	Flt Time: 8.1 Hrs
Sponsoring Org: NHC	Program: PHS SYN SURV	Purpose: IRENE

AOC Flight Crew

Aircraft Commander: HAGAN	Data System: HILL
Co-Pilot: TOTH	AVAPS: DEFEO DEFEO NEWNAM
Navigator:	System Eng: GOLDSTEIN (TDR)
Flight Eng:	A A:
Flight Director: HENNING MORGAN	A A:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
CAMP, Parks	NWSFO Tallahassee	NO CUBA OVERFLY (PT 34 removed for fuel)
DAVIDS REASEX	drop point assigned by NHC unable due to	
	33 Sondes	
	33 Good Enough to Transmit obs	
00Z GAP		(1 semi-fast fall and 1 died at 15000 ft)
00:00:07 → 00:00:54z		562 mb NO HEIGHTS TRX

emarks (Storm Name, Mission ID, Recco Times, Fix Times) Recco Times Fix # Fix Time

Storm Name:

Mission ID: NOAA9 0909A IRENE (1013.1) #10 29.92
 Penetration number and time AL092011 (1013.1) land 29.92

N49RF AOC GPS Dropwindsonde Log

Flight ID: 20110623N2

Flight Director: HENNING/MORGAN

Mission ID: NOAA9 909A

Storm/Track: IRENE

Pg 1 of 1

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	L5/R5?	SFC Prs (mb)	Last Wind Alt (m)	Comments	Ch #	SatComm failures	KWBC # Time Sent
1	01	101015153	1609	29.0°N	-79.0°E	Undercast	✓	1013.4	sfc		5		1841
2	02	102115120	1623	29.0°N	-77.0°E			1014.0	sfc		6		1850
3	03	103515010	1637	28.9°N	-75.0°E	few Cu		1014.0	sfc		5		1904
4	04	102315005	1652	27.0°N	-74.2°E			1013.0	sfc	early launch	6		1931
5	05	103515001	1906	27.0°N	-76.0°E			1013.0	sfc		5		1940
6	06	102615160	1923	26.9°N	-77.9°E			1012.6	sfc		6		1947
7	07	102135243	1940	25.0°N	-77.0°E			1011.4	sfc		5		2005
8	08	103125113	1954	24.9°N	-75.0°E			1010.6	sfc		6		2019
9	09	103515045	2006	23.6°N	-74.9°E	Dense Undercast Altst		1009.5	sfc		5		2032
10	10	102615295	2014	24.1°N	-73.9°E			1010.1	sfc		6		2041
11	11	103515383	2024	24.1°N	-72.5°E			1009.4	sfc		7		2051
12	12	101015194	2034	23.6°N	-71.4°E			1009.6	sfc		5		2056
13	13	10225127	2044	24.9°N	-70.9°E			1010.7	sfc		6		2109
14	14	102025111	2054	24.0°N	-70.0°E			1009.9	sfc		7		2119
15	15	102615118	2105	23.0°N	-69.1°E			1009.6	sfc		5		2132
16	16	103515094	2117	22.5°N	-70.4°E			1005.6	sfc	Early T	6		2142
17	17	102615206	2126	21.2°N	-70.2°E			1005.6	sfc	EARLY TIRM	5		2159
18	18	102615043	2137	20.2°N	-70.4°E			1000.1	sfc		6		2219
19	19	100145007	2149	20.0°N	-69.0°E			1009.4	sfc		7		2229
20	20	102325014	2200	19.0°N	-68.1°E			1007.3	sfc		5		2250 Resent 2304
21	21	102615146	2216	17.0°N	-69.0°E			1006.7	sfc		6		2245
22	22	102615269	2226	16.1°N	-70.0°E			1006.9	sfc		5		2257
23	23	102535100	2239	17.0°N	-71.0°E			1005.0	sfc		6		2302 2316
24	24	102135235	2253	17.6°N	-72.6°E			1004.2	sfc		5		2322
25	25	102615164	2306	16.1°N	-73.1°E			1005.1	sfc		6		2334
26	26	102615167	2323	17.1°N	-74.9°E			1005.6	sfc	Data Gap 250mb	5		2355
27	27	102135226	2333	18.0°N	-74.2°E			1004.0	sfc	13.0 Cap 510	6		0005
28	28	102515164	2343	18.6°N	-75.0°E			1005.5	sfc		7		0013
29	29	102615150	0001	20.5°N	-73.9°E			1004.0	sfc		5		0026
30	30	102615114	0019	21.6°N	-75.9°E			1008.3	sfc		6		0046
31	31	102615166	0026	22.4°N	-76.0°E			1006.4	sfc		5		0054
32	32	102325029	0039	22.6°N	-77.7°E			1010.1	sfc	Semi-FF	7		0110
33	33	102525164	0055	24.0°N	-79.0°E			011.2	sfc		5		0115

after 539.5 sec. 541.9 ~~sec~~ mb temp -0.5
disruption of PTV data TRX

540.0 sec. 534.3 temp 0.0C

no data
til

546.5 sec 548.2 mb

then very
intermittent
thru

558.5 559.2 mb

then nothing
til

585.5 sec. 584.5 2.8

N49RF AVAPS DROP LOG

Lead Tech: Gabe Defeo

Project : Hurricane 2011

Mission: Hurricane Home SurveillanceFlight ID: 20110833A/2Take Off: 1335Landing: 2143Flt Dir: Rein Jeaning

33

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Winds Time	Operator	Charge \$\$ To	Comments	Good ?
1	101 015 153	1	.5	180942	20 Sec	JKN	PJS ^{NWS}		✓
2	102 115 120	2	.5	182331	30 Sec	JKN	PJS		✓
3	103 515 010	3	.3	183718	10 Sec	JKN	PJS		✓
4	102 315 005	4	.6	185202	20 Sec	JKN	PJS	Possible early launch detect ^{3min}	✓
5	103 515 001	1	Ø	190842	20 Sec	JKN	PJS		✓
6	102 815 160	2	.4	192313	15 Sec	JKN	PJS		✓
7	102 135 243	3	Ø	194013	30 Sec	JKN	PJS		✓
8	103 125 113	4	.5	195444	10 Sec	JKN	PJS		✓
9	103 515 045	1	Ø	200615	20 Sec	JKN	PJS		✓
10	102 915 295	2	.7	201439	30 Sec	JKN	PJS		✓
11	103 515 323	3	.5	202416	20 Sec	JKN	PJS		✓
12	101 015 194	4	.7	203411	20 Sec	JKN	PJS		✓
13	102 025 127	1	Ø	204433	20 Sec	JKN	PJS		✓
14	102 025 111	2	.6	205455	30 Sec	JKN	PJS		✓
15	102 815 118	3	Ø	210556	20 Sec	JKN	PJS		✓
16	103 515 094	4	.6	211744	20 Sec	JKN	PJS		✓
17	102 815 308	1	.7	212856	20 Sec	JKN	PJS	Stopped X writing @ 562.3mb/15932 ft	✓
18	102 815 083	2	.5	213759	20 Sec	JKN	PJS		✓
19	100 145 007	3	Ø	214900	20 Sec	JKN	PJS		✓
20	102 325 014	4	.4	220025	30 Sec	JKN	PJS		✓
21	102 915 146	1	.9	221800	20 Sec	JKN	PJS		✓
22	102 915 289	2	.9	222837	20 Sec	JKN	PJS		✓
23	102 335 100	3	.9	223945	20 Sec	JKN	PJS		✓
24	102 135 235	4	.6	225338	15 Sec	JKN	PJS		✓
25	102 815 164	1	.7	230641	25 Sec	JKN	PJS		✓
26	102 815 167	2	.7	232334	25 Sec	JKN	PJS		✓
27	102 135 226	3	.7	233339	30 Sec	JKN	PJS		✓
28	102 515 164	4	1.Ø	234322	20 Sec	JKN	PJS		✓
29	102 815 150	1	.8	000135	25 Sec	JKN	PJS		✓
30	102 815 114	2	.5	001926	20 Sec	JKN	PJS		✓
31	102 815 166	3	.8	002608	20 Sec	JKN	PJS		✓
32	102 325 029	4	.6	003940	25 Sec	JKN	PJS		✓
33	102 525 164	1	.6	005512	30 Sec	JKN	PJS	Early Termination (Accidental). Must look at LS Data for determination	✓
34								(also Semi East Fall)	

91
100
32
68
26
42
25
67
33
34

~~NOAA G-1W Flight Track Drop Locations for IRENE (AL09201)~~

On 2011082400 the storm was centered at 21.2;-73.2

