

19991015 I L FDIR

Hurricane Irene Florida Landfall  
N43RF

I991015

DATA TYPE	SENSOR or OPTION
INE	2
Accelerometer	2
Temperature Probe	1
Altitude (for vertical wind)	RA159
Static Pressure	Fuselage
Dynamic Pressure	Fuselage
Dewpoint Probe	2

Notes:

This flight's data ends before landing in Gulfport, MS. The last data are at 0246Z, while the aircraft landed at Gulfport at 0312Z. The last center fix was at 0110Z.

Patched bad values of APN-159 radar altimeter before take-off.

Renavigated this flight's INE2 positions using 11 valid GPS positions.

Patched missing values of INE2 Lat, Lon, Tk, Hd, Pc, Roll, and AV between 0147z-0150z.

Dewpoint Source #2 was used in post-processing. It tailed off to an unusable steady value after the aircraft climbed out departing Emily. Source #1 went spuriously warm during this same period.

**SPECIAL NOTE!!!** Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical wind speeds, respectively, derived from Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft static pressure	1008.0 mb	1013.3 mb
Corrected tower pressure	1009.0 mb	1013.7 mb

Flight Director: Jack Parrish, (813) 828-3310 ext. 3077

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO. 1 OAOWF1 FILE

FLT ID: 991015I	FM: KMCF	TO: Gulfport, MS
FLT NO: 00-08	BLK IN: 0320	ATA: 0312
ETD: 1930Z	DLK OUT: 1922	RTD: 1934
ETE: 8	BLK TIME: 7:58 (8.0)	FLT TIME: 7:38 (7.6)
SPONSOR ORG: HAD	PROGRAM: Research	PURPOSE: Irene Land Fall

OAO PERSONNEL

AC Kenul	SYS ENG McMillan ✓
CP Taggart	DATA SYS
NAV Newman ✓	<del>REAR</del> Fields, E ✓
FE Basti Wade	DT/ODW Delgado ✓
RADIO	CLD PHYS Hall ✓
FD Parrish	DOPPLER Floyd

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Dodgo, P. ✓		HAD
Cion, J. ✓		↓
Black, M. ✓		DASA
Walsh, F. ✓		

47 PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NIHOP #)

ARTS  
26/25  
+26 PA  
29.80

FLY 8K ANDAR, DROP LEGS AROUND LAND FAILING 12 ENDS.

2019Z 25°30'N, 80°58'W

2131Z 25°40'N, 80°52'W

2320Z 25°54'N, 80°39'W

0052Z 26°04'N, 80°26'W

0110Z 26°06'N, 80°23'W

5. EYE PENETRATIONS

26 Drops ' '

7 BTs

Date sys died 0249, 0259.

LAND 0252Z
21/19 CALM
29.96 1013.7

SP 1012 fm 7.5K  
330/7  
24/18.5  
1013.3

# 991015 I H. IRENE LANDFALL

Time	LAT	LOD	TK	WD	WS	PA	GA	TA	TD	SL	PS		
1922	27 30.9	82 26.6				52		28.7	21.5		10065		BLK
<del>1940</del>	27 32	82 23											
<del>2000</del>	25 42	81 40	120	46	47	2411	2374				Drop		
<del>2010</del>													
2019	25 30	80 58											
<del>2025</del>	25 00	80 40	157	240	66	2488	2443	14.5	14.0	990	983	Drop	5
2046	24 22	79 54	349	215	58.7	2391	2423	14.1	13.9	1000	756	Drop	
<del>2005</del>	25 05	80 00	388	190	54	2395	2395	16.3	10.4	995	754	Drop	hand
<del>2100</del>	25 38	80 03	8	167	64	2422	2421	13.3	13.1	997	Drop	BT	
<del>2150</del>													
<del>2150</del>	Drop												
2131	25 40	80 52											
<del>2201</del>	24 29	81 46	70	308	32.8	2395	2419	14.1	13.1	999	Drop		5
2212	24 34	81 03	180	280	43	2397	2405	16.6	12.1	995	Drop	BT	
<del>2210</del>	24 48	80 49	61	270	37	2391	2380	19.0	10.2	991	Drop		
2225	24 57	80 20	60	238	31.5	2392	2393	17.6	10.0	994	Drop	BT	
2233	25 34	80 04	2	190	59	2470	2441	13.4	12.1	994	Drop		
<del>2241</del>	Drop												
<del>2249</del>	26 36	80 04	Drop										
<del>302</del>	27 00	80 33	213	106	41	2412	2419	13.0	12.5	999			
<del>324</del>	26 25	80 40	190	101	55	2445	2431	14.1	12.8	992			
<del>320</del>	25 54	80 39						17	14				5
<del>328</del>	25 27	80 40	Drop										
<del>340</del>	24 53	81 07	270	310	33	2432	2446	18.1	10.5	995			
<del>344</del>	24 59	81 22	270	294	36	2435	2450	16.9	10.8	996	130		
<del>235</del>	25 13												
<del>2008</del>	25 39	79 25	60	196	51	2421	2445	14.5	13.4	998			
<del>2012</del>	25 53	78 55	57	180	63	2374	2412	12.2	-	1005	in land	Drop	
<del>2015</del>	25 58	78 25	Drop										
<del>2050</del>	26 14	78 36	305	170	49	2376	2439	12.9	12.6	1004.8			
<del>2045</del>	26 35	79 04	Drop										
<del>2030</del>	26 27	79 25											
<del>2019</del>	Drop												
<del>2052</del>	26 04	80 26											5
<del>2057</del>	Drop												
<del>2110</del>	26 06	80 23						17	13				5
<del>2100</del>	26 00	Drop											
<del>2115</del>	26 01	81 51	269	352	30	5333	5432	9.3	7.5	999	672	Drop	to ball
2144	26 29	82 34	307	292	30	6361	6689	-7.0	-38	992.9	UN7A	→ to	
<del>2315</del>	28 48	86 17	306	54	18.2	6737	7113	-13.5	-43	1007.7	426		
<del>2320</del>	30 24.5	89 04.3				1		22	17		1013.2	Block	in