

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

AOCWF1

Flt ID: 040911N1	From: KMCF	To: KMCF
Flt No: 04	Blk In: 1353z	ATA: 1346z
ETD: 0530z	Blk Out: 0525z	ATD: 0534z
ETE: 8+45	Blk Time: 8+28 (8.5)	Flt Time: 8+12 (8.2)
Sponsor Org: NHC	Program: HURR SWAN.	Purpose: HURR IVAN

AOC Personnel

AC: McCANN, B	Sys Eng: Hill, J
CP: MAXSON, B / FANN, M	Data Sys: BROGAN, D
Nav:	Radar:
FE: ROTTEVEEL, K	GPS/BT:
FD: FLAHERTY, P	Cld Phys:
Avionics: * HORNBRACK, C	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
GOLDENBERG, S	HAPS	HRD

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

NOAA9 1909A IVAN

0743z
1725
7745W
924
3min
10min

24 7904
2AM 17.4 77.3
920mb 155mph

Flt ID: 040911 N1 Time Off: 0534z Time On: 1346z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1015.6		1015-6	

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	29	(28 OBS) 1 BAD SWDE

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks
 OUT 0455z 10009 KTS 75M 26/23 3006



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040911N1

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW,VNS
Accelerometer	ACINS
Temperature Probe	AT1
Dew Point Probe	DPR
Altitude (for vertical wind derivation)	PALT
Static/Dynamic Pressure	PS1/QC1
True Air Speed	TAS1
Constants File	49cal041
Project Directory	406

T/O Weather KMCF 0455Z 1009KTS 7SM 26/23 A3006
Land Weather KMCF N/A (still 0455Z ob).

Notes:

There were no time/data gaps and no data glitches noticed during this flight. Aircraft PS1C read 1015.9 mb at takeoff. No dynamic corrections were applied to the measured static and dynamic pressures. Thus wind direction and wind speed may not be representative of actual flight level conditions.

Flight Director: Flaherty (813) 828-3310 ext. 3094

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 11/0530Z
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TRACK DISTANCE TABLE

NORA G-10 Turnpoints

#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	MACDILL			0.	0.	0:00
1	24 00	80 00		269.	269.	0:46
2	22 30	78 00		143.	411.	1:06
3	21 00	74 00		241.	652.	1:39
4	22 00	72 00		127.	779.	1:56
5	24 00	68 00		252.	1031.	2:30
6	16 00	68 00		481.	1512.	3:35
7	16 00	74 00		347.	1858.	4:22
8	17 54	74 00		114.	1972.	4:38
9	19 00	75 00		87.	2060.	4:50
10	17 02	75 35		122.	2182.	5:06
11	15 57	77 04		108.	2290.	5:21
12	15 57	78 56		107.	2398.	5:35
13	17 02	80 25		108.	2506.	5:50
14	19 00	80 30		118.	2624.	6:06
15	20 30	80 30		90.	2714.	6:18
16	20 30	86 00		310.	3024.	7:00
17	22 30	87 00		133.	3156.	7:18
18	24 30	86 00		132.	3288.	7:36
19	26 00	84 30		122.	3410.	7:53
20	MACDILL			154.	3564.	8:24

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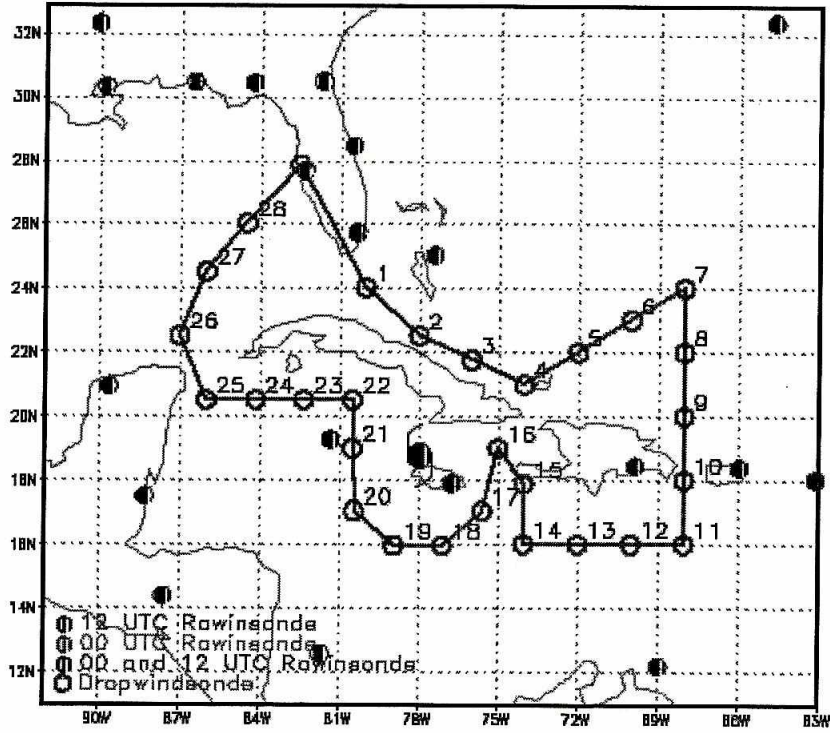
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DROP LOCATIONS

NOAA G-W Instrument Drop Points

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	24 00	80 00		0:46
2	22 30	78 00		1:06
3	21 45	76 00		1:22
4	21 00	74 00		1:39
5	22 00	72 00		1:56
6	23 00	70 00		2:13
7	24 00	68 00		2:30
8	22 00	68 00		2:46
9	20 00	68 00		3:03
10	18 00	68 00		3:19
11	16 00	68 00		3:35
12	16 00	70 00		3:51
13	16 00	72 00		4:07
14	16 00	74 00		4:22
15	17 54	74 00		4:38
16	19 00	75 00		4:50
17	17 02	75 35		5:06
18	15 57	77 04		5:21
19	15 57	78 56		5:35
20	17 02	80 25		5:50
21	19 00	80 30		6:06
22	20 30	80 30		6:18
23	20 30	82 20		6:32
24	20 30	84 10		6:46
25	20 30	86 00		7:00
26	22 30	87 00		7:18
27	24 30	86 00		7:36
28	26 00	84 30		7:53

040911N1 12 Z IVAN



GRADE COLY/IGES

2004-09-08-18:41

NOAA G-IV Flight
Track