

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

AOCWFI

Flt ID: 040913N	From: KMCF	To: KMCF
Flt No: 04-110	Blk In: 1312Z	ATA: 1305Z
ETD: 0530	Blk Out: 0512Z	ATD: 0523Z
ETE: 8+30	Blk Time: 8+00 (8.0)	Flt Time: 7+42 (7.7)
Sponsor Org: NHC	Program: Hurricane SURV	Purpose: Hurricane IVAN

AOC Personnel

AC: McCann, B	Sys Eng: Hill, J
CP: Maxson, B / Finny, M	Data Sys: Brogan, D
Nav:	Radar:
FE: Rotteussel, K	GPS/BT:
FD: Flattey, P	Cid Phys:
Avionics: Howbrook, C	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
KAPLAN, J	HAPS	HRD

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

NWAG 2909A IVAN

310-3163

Flt ID: 040913N Time Off: 0523Z Time On: 1305Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1014.4 mb	2998	1014.0	2997

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	29	27 OBS (2 bad)

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

Remarks T10 KMCF A2998



1312
NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040913N1

<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 N/A (altimeter reported as A2998 by ATC)
Land Weather KMCF N/A (altimeter reported as A2997 by ATC)

Notes:

PS1C read 1014.4 mb at takeoff, and 1014.6 at landing. There were no data gaps or spikes noticed during the flight. 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

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 13/0530Z

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DROP LOCATIONS

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#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	27 00	78 00		0:43
2	25 02	78 56		1:01
3	23 04	79 53		1:18
4	22 09	77 53		1:35
5	21 13	75 54		1:52
6	20 18	73 54		2:09
7	19 48	77 30		2:39
8	20 25	79 02		2:52
9	21 02	80 34		3:05
10	18 00	80 00		3:30
11	17 00	82 00		3:47
12	16 00	84 00		4:05
13	17 00	86 00		4:23
14	18 00	84 00		4:40
15	19 57	83 56		4:56
16	19 00	86 00		5:14
17	20 54	86 00		5:29
18	22 48	86 00		5:45
19	23 00	88 00		6:00
20	23 00	90 00		6:15
21	25 00	90 00		6:31
22	27 00	90 00		6:48
23	27 00	88 23		6:59
24	27 00	86 45		7:11
25	25 00	87 30		7:28
26	24 34	85 26		7:44
27	26 12	83 58		8:01

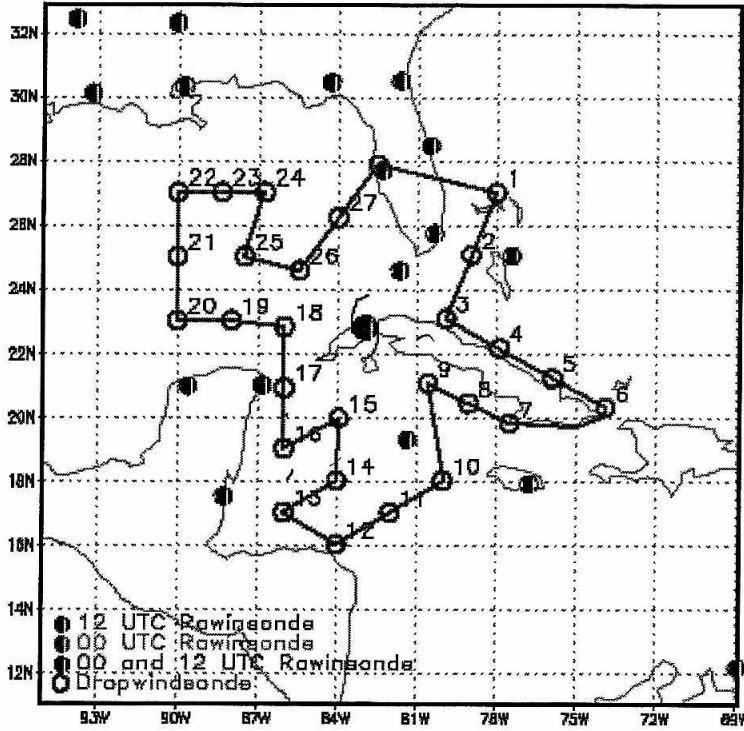
HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

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Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 13/0530Z

TRACK DISTANCE TABLE

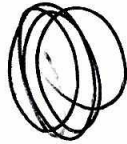
#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	MACDILL			0.	0.	0:00
1	27 00	78 00		246.	246.	0:43
2	23 04	79 53		258.	504.	1:18
3	20 18	73 54		373.	877.	2:09
4	20 00	74 00		19.	896.	2:12
5	19 42	75 00		59.	956.	2:20
6	19 48	77 30		142.	1097.	2:39
7	21 02	80 34		188.	1286.	3:05
8	18 00	80 00		185.	1471.	3:30
9	16 00	84 00		259.	1730.	4:05
10	17 00	86 00		130.	1860.	4:23
11	18 00	84 00		129.	1990.	4:40
12	19 57	83 56		117.	2107.	4:56
13	19 00	86 00		131.	2237.	5:14
14	22 48	86 00		228.	2466.	5:45
15	23 00	88 00		111.	2577.	6:00
16	23 00	90 00		111.	2688.	6:15
17	27 00	90 00		240.	2928.	6:48
18	27 00	86 45		174.	3102.	7:11
19	25 00	87 30		127.	3229.	7:28
20	24 34	85 26		116.	3345.	7:44
21	MACDILL			252.	3598.	8:28



GRADE COLA/16ES

2004-08-11-15:00

NAA9 2909A IVAN
 TEAL 9-15



0318 2458
 1949
 83107
 919 25KTS
 140 FL