



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040907

<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	49cal0 81
Project Directory	406

T/O Weather TISX 1450Z 1001016KTS 10SM 31/24 A2991
Land Weather KMCF N/A (old)

Notes:

There were no time/data gaps and no data glitches noticed during this flight. Aircraft PS1C read 1009.0 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

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

Flt ID: 040907 N	From: TISX	To: FMOF
Flt. No: 04 - 101	Blk In: 0136 z	Time On: 0126 z
ETD: 1730 z	Blk Out: 1726 z	Time Off: 1732 z
ETE: 8 + 00	Blk Time: 8 + 10 (8.2 Hrs)	Flt Time: 7 + 54 (7.9 Hrs)
Sponsoring Org: NHC	Program: HULL SURV.	Purpose: IVAN

AOC Flight Crew

Aircraft Commander: MAXSON, B	Data System: HILL, J
Co-Pilot: McCANN, B ; FANN, M	AVAPS: BROWN, D
Navigator:	System Eng:
Flight Eng: ROSSUZZI, K	A A:
Flight Director: FLAHERTY, P	A A:
Avionics: HORNBOCKE, C	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
CAMPSEA, C	WAPS	HRD

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix # Fix Time

Storm Name:

IVAN

Mission ID:

0609A IVAN

Penetration number and time

1745
11.8
61.1
957

clouds
time of fix 1552^{20'}
vert mass eye 15 miles
QRSN (COS 2) closed

52000 ft

(See reverse for additional remarks)

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

Flight ID: 090907N	Time Off: 1732 Z	Time On: 0128 Z
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	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1009.0 mb	mb	mb	mb

ATIS	Time	Observation
Takeoff	1450 Z	1100 11016 ET 105M 31/24 1299/
Land	Z	14008 ET

	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Dropsondes		Good: Bad:
AXBT		
AXCP		
AXCTD		

Remarks:

N49RF AVAPS DropSonde Log

N49RF Project: Huro4

Flight ID 040907N

Mission: IVAN

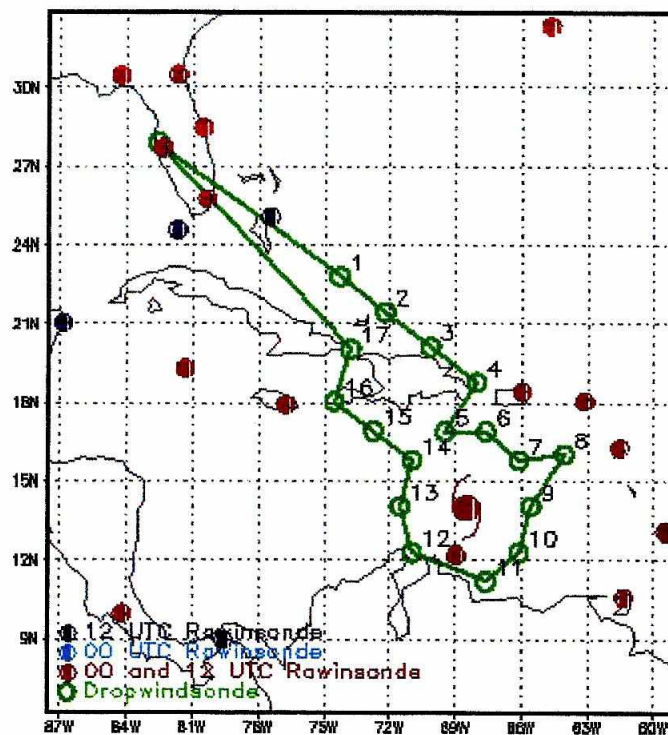
Flight #: 14

Launcher S/N: 02

Status: Sys 1 ☒

Sys 2 ☒

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	033118040	1	1750	0	24	JWH		☒
2	033048053	2	1804	0	23			☒
3	033118015	1	1821	0	21			☒
4	033118032	2	1838	0	43			☒
5	033048051	1	1854	0.4	52			☒
6	032335153	2	1911	-1.5	22			☒
7	032418095	1	1930	-0.4	17			☒
8	033118037	2	1950	0.5	6			☒
9	033048054	1	2009	(1)	59			☒
10	032335154	2	2026	-0.5	51			☒
11	033415092	1	2043	-4.5	19			☒
12	032815034	2	2057	-0.9	64			☒
13	033048027	1	2112	0	25			☒
14	033048018	2	2126	0	16			☒
15	032815036	1	2149	0.9	18			☒
16	033048014	2	2207	0	26			☒
17	033048060	1	2223	0.6	35			☒
18	033048057	2	2239	0	55			☒
19	032815148	1	2255	0	23			☒
20	033048078	2	2311	0				☒
21								
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GRADS: COLA/IBES

2004-08-07-11:14

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 08/1730Z

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	22 45	74 15		1:24
2	21 25	72 10		1:43
3	20 05	70 05		2:02
4	18 45	68 00		2:22
5	16 51	69 26		2:41
6	16 51	67 34		2:55
7	15 46	66 04		3:10
8	16 00	64 00		3:26
9	14 00	65 30		3:46
10	12 14	66 04		4:01
11	11 09	67 34		4:16
12	12 14	70 56		4:45
13	14 00	71 30		5:00
14	15 46	70 56		5:15
15	16 53	72 43		5:32
16	18 00	74 30		5:48
17	20 00	73 45		6:05

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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	22 45	74 15		544.	544.	1:24
2	18 45	68 00		426.	969.	2:22
3	16 51	69 26		140.	1110.	2:41
4	16 51	67 34		107.	1216.	2:55
5	15 46	66 04		109.	1325.	3:10
6	16 00	64 00		121.	1445.	3:26
7	14 00	65 30		148.	1594.	3:46
8	12 14	66 04		111.	1705.	4:01
9	11 09	67 34		110.	1815.	4:16
10	12 14	70 56		208.	2023.	4:45
11	14 00	71 30		111.	2134.	5:00
12	15 46	70 56		111.	2245.	5:15
13	18 00	74 30		246.	2491.	5:48
14	20 00	73 45		128.	2618.	6:05
15	MACDILL			674.	3292.	7:47
