

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

Flt ID: 040907N	From: TISX	To: FMCF
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 ; FINN, M	AVAPS: BROWN, D
Navigator:	System Eng:
Flight Eng: RUTSUSSEL, K	A A:
Flight Director: FLAHERTY, P	A A:
Avionics: HORNBOCKE, C	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
LAUDSEA, 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 meas eye 15 miles
 QRSN (COS 2) closed

52000 ft

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

Flight ID: **040907N** Time Off: **1732** Z Time On: **0126** Z

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
--	---------------	----------------------	------------	-------------------

Pressure	1009.0 mb		mb		mb		mb
-----------------	-----------	--	----	--	----	--	----

ATIS	Time	1732 Observation
-------------	------	-----------------------------

Takeoff	1450 Z	110 16 KT 105M 31/24 4299/
---------	--------	----------------------------

Land	Z	19008 KT
------	---	----------

	Number	Data Disposition / Date / Quality
--	--------	-----------------------------------

Flight Level Tapes		
--------------------	--	--

Radar Tapes		
-------------	--	--

Cloud Physics Tapes / CDs		
---------------------------	--	--

Video Tapes		
-------------	--	--

--	--	--

Dropsondes		Good: Bad:
------------	--	-----------------

--	--	--

AXBT		
------	--	--

AXCP		
------	--	--

AXCTD		
-------	--	--

Remarks:



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040907

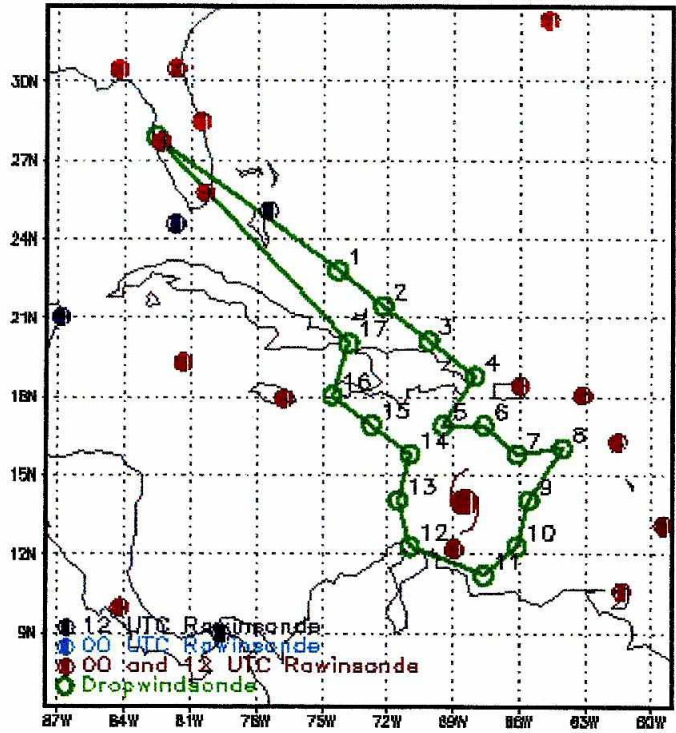
<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW,VNS
Accelerometer	ACINS
Temperature Probe	AT1
Dew Point Probe	DPR
Altitude (for vertical wind derivation)	PALT
Static/Dynamic Pressure	PS1/QC1
True Air Speed	TAS1
Constants File	49cal0 81
Project Directory	406

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



GRADS: COLA/ISES

2004-08-07-11:14

=====

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

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

=====

DROP LOCATIONS

=====

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

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

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
