



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040906

Sensor or system

INE (for wind derivation)
Accelerometer
Temperature Probe
Dew Point Probe
Altitude (for vertical wind derivation)
Static/Dynamic Pressure
True Air Speed
Constants File
Project Directory

Number or Name

VEW,VNS
ACINS
AT1
DPR
PALT
PS1/QC1
TAS1
49cal041
406

T/O Weather TISX 1653Z 13012KTS 10SM 31/26 A2992
Land Weather TISX 0053Z 01011KTS 10SM xx/xx A2991

Notes:

There were no time/data gaps and no data glitches noticed during this flight. Aircraft PS1C read 1010.2 mb at takeoff and 1010.8 at landing. 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: 040906 N	From: TLSX	To: TLSX
Flt. No: 04 - 100	Blk In: 0111 z	Time On: 0108 z
ETD: 1730 z	Blk Out: 1712 z	Time Off: 1719 z
ETE: 7 + 45	Blk Time: 7 + 59 8.0 Hrs	Flt Time: 7 + 49 7.9 Hrs
Sponsoring Org: NHC	Program: Hurricane Surv.	Purpose: Hurricane Ivan

AOC Flight Crew

Aircraft Commander: MAXSON, B	Data System: HALL, J
Co-Pilot: MCCANN, B ; FANN, M*	AVAPS: BROGAN, D
Navigator:	System Eng:
Flight Eng: ROTTSVEEL, K	A A:
Flight Director: FLAHERTY, P	A A:
Avionics: HOBANBROOK, C	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
LANDSEA, C	HARS	HRD

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

Storm Name: HURRICANE IVAN

Mission ID: 0209A

Penetration number and time

Recco Times 11.6 55.3

007 (2314) 11 12 N

56 02 W

963 mb

106 KTS

(See reverse for additional remarks)

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

Flight ID: Δ40906N	Time Off: 1719 Z	Time On: 0108 Z
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	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1010.2 mb	1013 mb	1010.8 mb	mb

ATIS	Time	Observation
Takeoff	1653Z	13012 KTS 105M 31/26 2992
Land	0053Z	01011 KTS 2991

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

Remarks:

11 22 ~ 54 52 ~
969 94 KTS

29.91

N49RF AVAPS DropSonde Log

N49RF Project: HURRICANE '04 Flight ID 040906N

Mission: ILAN Flight #: 13 Launcher S/N: 02 Status: Sys 1 L Sys 2 L

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	032 815 111	1	1754	-1.1	22	<i>JS</i>		✓
2	010 715 180	2	1810	-0.5	57			✓
3	004 255 292	1	1825	0	46		NO ALT & NO TEMP	✓
3 04	033 418 026	3	1826	0	12			✓
4 5	033 418 010	1	1847	0.8	33			✓
5 6	010 715 193	2	1901	0	26	<i>JS</i>	NO ALT & NO TEMP	✓
5 7	033 415 237	3	1903	0	26			✓
6 8	004 255 104	1	1916	-0.5	31			✓
7 9	010 715 081	2	1930	0	23		NO ALT & NO TEMP	✓
7 10	032 418 085	3	1931	0	15			✓
8 11	033 415 242	1	1948	0	28			✓
9 12	033 415 243	2	2004	1.0	12	<i>JS</i>		✓
10 13	033 415 314	1	2020	0.6	29	<i>JS</i>		✓
11 14	033 415 302	2	2035	0	66			✓
12 15	033 418 028	1	2050	0	63			✓
13 16	032 335 170	2	2103	0.4	84			✓
14 17	033 415 301	1	2116	0.5	62			✓
15 18	033 415 236	2	2133	-1.0	17			✓
16 19	032 815 065	1	2156	0	23			✓
17 20	032 418 096	2	2212	0	25			✓
18 21	033 118 010	1	2227	0	29			✓
19 22	033 048 056	2	2242	0.4	17			✓
20 23	033 048 050	1	2257	0	15			✓
21 24	033 415 241	2	2312	0	35			✓
22 25	033 118 009	1	2325	0.4	22			✓
23 26	033 118 011	2	2340	0.4	31			✓
24 27	033 048 010	1	2350	0.4	24			✓
25 28	033 048 025	3	0001	0	25			✓
26 29	032 335 133	2	0019	0	44	<i>JS</i>		
30						<i>JS</i>		
31								
32								
33								

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

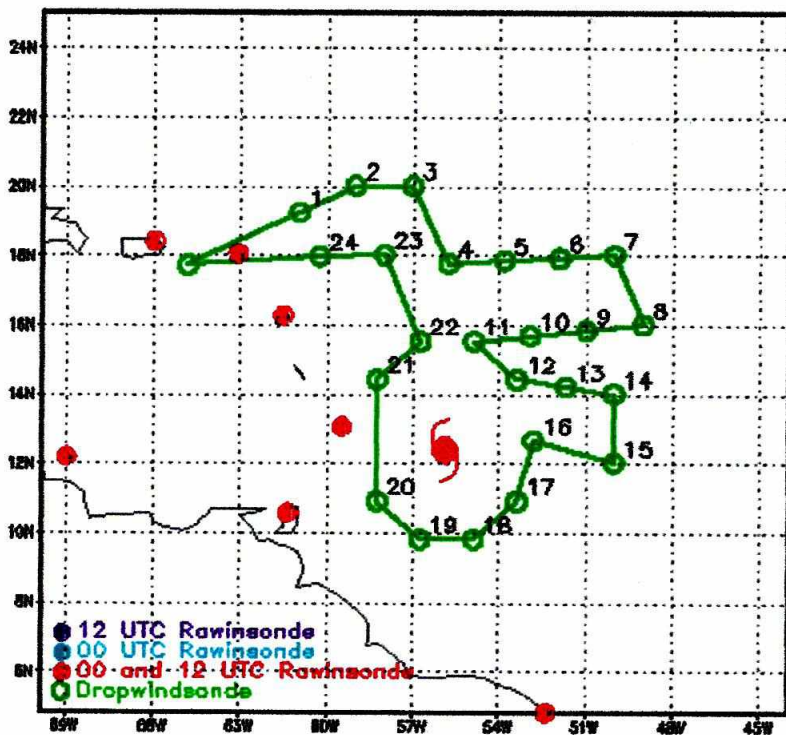
Prepared by the Hurricane Research Division File: current1.

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff:

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	19 14	60 58		0:42
2	20 00	59 00		0:59
3	20 00	57 00		1:14
4	17 45	55 45		1:35
5	17 50	53 50		1:50
6	17 55	51 55		2:04
7	18 00	50 00		2:19
8	16 00	49 00		2:37
9	15 50	50 57		2:53
10	15 40	52 55		3:08
11	15 30	54 52		3:24
12	14 25	53 22		3:39
13	14 12	51 41		3:52
14	14 00	50 00		4:05
15	12 00	50 00		4:22
16	12 39	52 48		4:45
17	10 53	53 22		5:00
18	9 48	54 52		5:15
19	9 48	56 44		5:30
20	10 53	58 14		5:45
21	14 25	58 14		6:13
22	15 30	56 44		6:28
23	18 00	58 00		6:51
24	17 57	60 16		7:08



0409 COLA/RES

2004-08-05-11:28