

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

AOCWF1

Flt ID: 040910N1	From: KMCF	To: KMCF
Flt No: 04-104	Blk In: 1332z	ATA: 1325z
ETD: 0530z	Blk Out: 0518z	ATD: 0527z
ETE: 8+15	Blk Time: 8+14 (8.2)	Flt Time: 7+58 (8.0)
Sponsor Org: NHC	Program: Hurricane SURV	Purpose: Hurricane IVAN

AOC Personnel

AC: MAXSON, B	Sys Eng: Hill, J
CP: McCANN, B / Finn, M	Data Sys:
Nav:	Radar:
FE: ROTTEVELL, K	GPS/BT:
FD: FLAHERTY, P	Cld Phys:
Avionics: HORN BROOK, 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 #)

NAAA9 1409A IVAN
 TEAL 30 6z-12z

TTZ+1 OUT 0728z (ICING?)
 STARTED IN TURB

2AM 15.7 73.8
 WNW 13MPH
 145 MPH 930mb

556z 1548 73.57
 929mb 130

Flt ID: **040910N1** Time Off: Time On:

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1015.9			

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes		

Video

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

Remarks

0410Z 11005_{FB} 7SM 23/23 3006

1255Z 10008_{FB} 7SM 26/24 3007



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040910N1

<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 0410Z 11005KTS 7SM 23/23 A3006
Land Weather KMCF 1255Z 10008KTS 7SM 26/24 A3007

Notes:

TT2 and TT4 went out at 0728Z, likely due to icing. This occurred during turbulence. There were no other 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.

Aircraft PS1C read 1015.9 mb at takeoff.

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

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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: 10/0530Z

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	24 15	76 00		1:06
2	23 45	73 30		1:25
3	23 15	71 00		1:44
4	21 45	71 00		1:57
5	20 15	71 00		2:09
6	19 29	69 30		2:22
7	18 42	68 00		2:35
8	17 21	68 30		2:47
9	16 00	69 00		2:58
10	16 00	71 00		3:14
11	17 36	71 00		3:27
12	17 30	73 00		3:43
13	15 44	73 34		3:58
14	14 39	75 04		4:13
15	14 39	76 56		4:27
16	15 44	78 26		4:42
17	17 30	79 00		4:57
18	19 14	79 07		5:11
19	20 59	79 15		5:26
20	19 30	77 15		5:45
21	19 23	75 25		5:59
22	19 16	73 34		6:13
23	21 30	73 30		6:32
24	22 03	75 45		6:49
25	22 36	78 00		7:07

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 HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

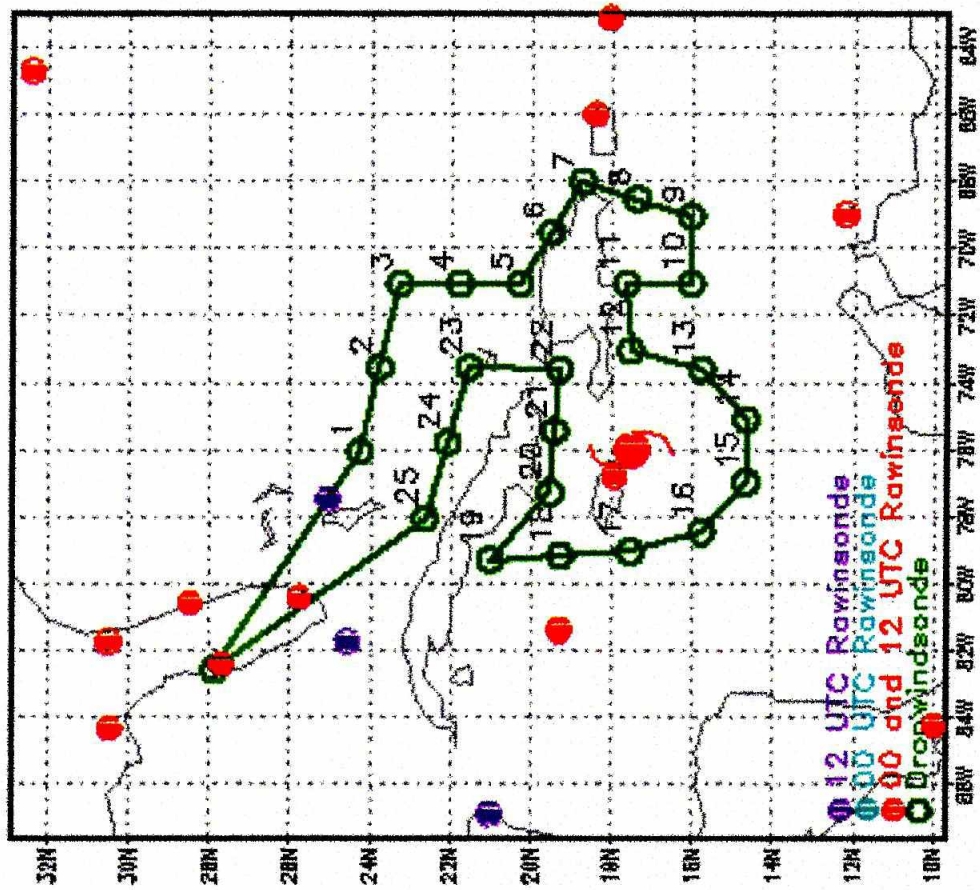
Prepared by the Hurricane Research Division File: current1.ftk

 Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 10/0530Z
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TRACK DISTANCE TABLE

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#	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 15	76 00		413.	413.	1:06
2	23 15	71 00		282.	695.	1:44
3	20 15	71 00		180.	875.	2:09
4	18 42	68 00		194.	1069.	2:35
5	16 00	69 00		172.	1241.	2:58
6	16 00	71 00		116.	1357.	3:14
7	17 36	71 00		96.	1453.	3:27
8	17 30	73 00		115.	1568.	3:43
9	15 44	73 34		111.	1679.	3:58
10	14 39	75 04		109.	1787.	4:13
11	14 39	76 56		108.	1895.	4:27
12	15 44	78 26		109.	2004.	4:42
13	17 30	79 00		111.	2115.	4:57
14	20 59	79 15		210.	2325.	5:26
15	19 30	77 15		143.	2468.	5:45
16	19 16	73 34		209.	2677.	6:13
17	21 30	73 30		135.	2812.	6:32
18	22 36	78 00		259.	3071.	7:07
19	MACDILL			400.	3471.	8:11



0408Z 00LYBES

2004-08-08-14-43