

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

AOCWPI

Flt ID: 040903 N	From: KMCF	To: KMCF
Flt No: 04-	Blk In: 0021z	ATA: 0013z
ETD: 1730	Blk Out: 1720z	ATD: 1730z
ETE: 7+00	Blk Time: 7+01	Flt Time: 6+43
Sponsor Org: NOAA/NHC	Program: HURR SURV.	Purpose: HURR FRANCES

AOC Personnel

AC: FINKS, M ✓	Sys Eng: HORN BROOK, C
CP: POSTON, R ✓	Data Sys: BROGAN, D
Nav: HANAN, J ✓	Radar:
FE:	GPS/BT:
FD: FLAHERTY, P	Cld Phys:
Avionics: CARPENTER, D	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
BOZZOTTO DOMINICA ✓	RESS	KBAL
MARRS ROBERT ✓	RESS	"
KAPLAN, JOHN	HRD/MAPS	HRD

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

ID 2506A (CHANGED)

Flt ID: **040903N2** Time Off: **1730 Z** Time On: **0013 Z**

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1011.6		1016.3	

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

Video

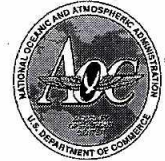
	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

T/O	1555 Z	06011 hrs	105M	31/24	2999	
LND	1955 Z	05014 hrs	105M	33/22	2986	(4 HRS OLD)



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Frances



Flight ID: N040903

<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 1555Z 06011KTS 10SM 31/24 A2999
Land Weather KMCF 1955Z 05014KTS 10SM 33/22 A2986 (4 hrs old)

Notes:

There were no time/data gaps and no data glitches noticed during this flight. Aircraft PS1C read 1011.6mb at takeoff, and 1010.3mb at landing. Prior to takeoff, the mission ID was changed to from NOAA9 2504A FRANCES to NOAA9 2506A FRANCES. 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

=====

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 03/1730Z

=====

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	29 25	80 46		0:28
2	31 00	79 00		0:46
3	29 26	77 38		1:02
4	27 52	76 16		1:18
5	29 56	76 08		1:35
6	32 00	76 00		1:52
7	31 00	74 00		2:08
8	29 00	73 00		2:26
9	30 00	71 00		2:42
10	28 00	71 00		2:58
11	28 00	69 00		3:13
12	26 00	70 00		3:31
13	26 00	72 00		3:45
14	24 00	72 00		4:02
15	23 00	74 00		4:19
16	25 00	74 00		4:35
17	27 00	74 00		4:51
18	25 40	75 08		5:05
19	24 20	76 16		5:19
20	22 00	76 00		5:38
21	22 45	77 45		5:52
22	23 30	79 30		6:07
23	24 15	81 15		6:21
24	26 03	81 53		6:37

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 03/1730Z

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	29 25	80 46		0:28
2	31 00	79 00		0:46
3	29 26	77 38		1:02
4	27 52	76 16		1:18
5	29 56	76 08		1:35
6	32 00	76 00		1:52
7	31 00	74 00		2:08
8	29 00	73 00		2:26
9	30 00	71 00		2:42
10	28 00	71 00		2:58
11	28 00	69 00		3:13
12	26 00	70 00		3:31
13	26 00	72 00		3:45
14	24 00	72 00		4:02
15	23 00	74 00		4:19
16	25 00	74 00		4:35
17	27 00	74 00		4:51
18	25 40	75 08		5:05
19	24 20	76 16		5:19
20	22 00	76 00		5:38
21	22 45	77 45		5:52
22	23 30	79 30		6:07
23	24 15	81 15		6:21
24	26 03	81 53		6:37

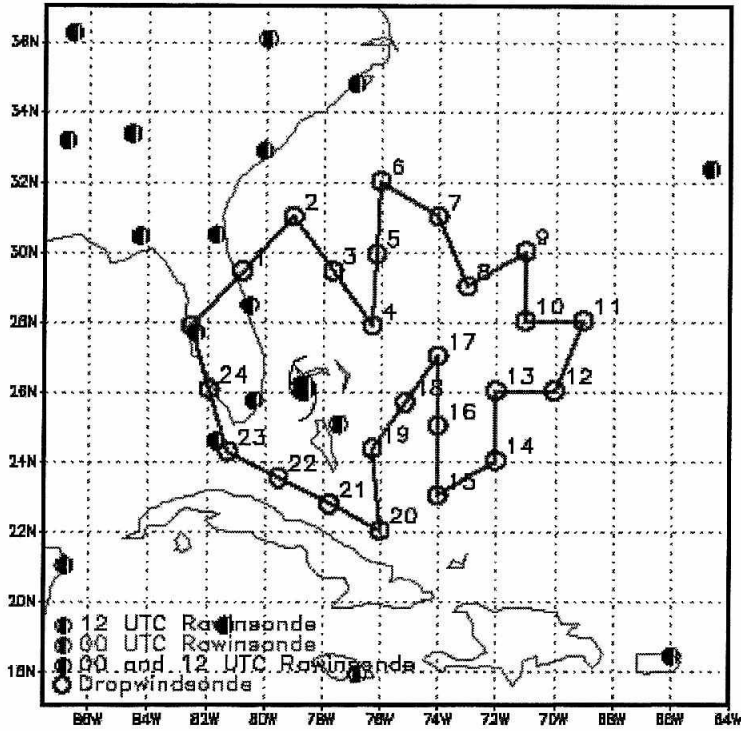
HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 03/1730Z

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	31 00	79 00		264.	264.	0:46
2	27 52	76 16		236.	501.	1:18
3	32 00	76 00		249.	750.	1:52
4	31 00	74 00		119.	869.	2:08
5	29 00	73 00		131.	1000.	2:26
6	30 00	71 00		121.	1120.	2:42
7	28 00	71 00		120.	1240.	2:58
8	28 00	69 00		106.	1347.	3:13
9	26 00	70 00		132.	1478.	3:31
10	26 00	72 00		108.	1586.	3:45
11	24 00	72 00		120.	1706.	4:02
12	23 00	74 00		126.	1832.	4:19
13	27 00	74 00		240.	2072.	4:51
14	24 20	76 16		202.	2274.	5:19
15	22 00	76 00		141.	2416.	5:38
16	24 15	81 15		320.	2736.	6:21
17	MACDILL			227.	2963.	7:02



GRADE COLY/RES

2004-08-02-08:20