

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

Flt ID: 040902N	From: KMCF	To: kmcf
Flt No: 04-95	Blk In: 0134 z	Time On: 0127 z
ETD: 1730 z	Blk Out: 1714 z	Time Off: 1727 z
ETE: 8+00	Blk Time: 8+20 (8.3) Hrs	Flt Time: 8+00 (8.0) Hrs
Sponsoring Org: NHC	Program: Surveillance Hurricane	Purpose: Frances

AOC Flight Crew

Aircraft Commander: Finke, m	Data System: <input checked="" type="checkbox"/> Hornbrook, C
Co-Pilot: Hagen, J, Boston, R	AVAPS: Biogan, D
Navigator:	System Eng:
Flight Eng:	A A:
Flight Director: Mayeaux, m, Flaherty, P	A A:
Avionics: Carpenter, D	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Karlan, J	HRD Haps	HRD
McMillan, S	omb Director	omb
Wolfe, K	Media	Palm beach Post
Livingston, C	Media	Palm beach Post
Yates, G	HRD VIP	NOAA

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

Storm Name: _____
 Mission ID: 1906A Frances

Penetration number and time
 Teal- (15-212) Teal 12 10000 ft
 P3-43-1800z (2405 7444-2112z) 947

Recco Times 2542044308
Fix # Ac 2116 07051
Fix Time 315
 M
 Teal 39 on 0000z 10,000 ft

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Flight ID: **040902 N** Time Off: **1727** Z Time On: **0127** Z

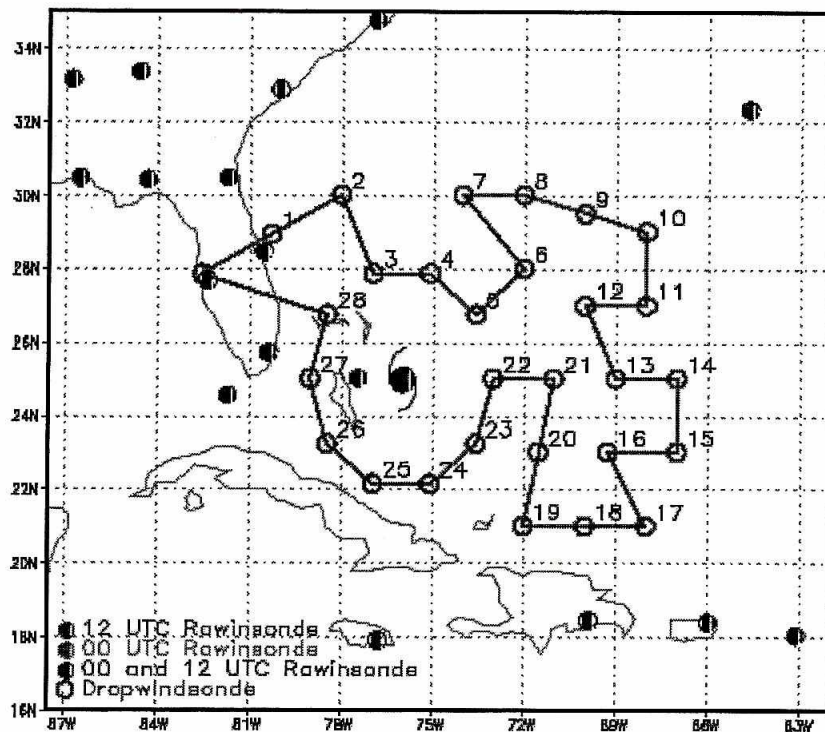
	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1014.1 mb	3001 mb	1013.0 mb	7991 mb

ATIS	Time	Observation
Takeoff	1355Z	07009KT 75m FEW030 FEW050 28/25 A 3001
Land	2255Z	10010KT 865m 31/22 A2991

	Number	Data Disposition / Date / Quality
Flight Level Tapes	1	
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Dropsondes	29	Good: 28 Bad: 1
AXBT		
AXCP		
AXCTD		

Remarks:

2pm - 23.8 74.4 WNW 13 949 mb 3 35 kts
 2351 - 74° 17" 948



GRADE COLY/IGES

2004-08-01-11:51

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 02/1730Z

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	28 55	80 16		0:28
2	30 00	78 00		0:47
3	27 51	76 56		1:06
4	27 51	75 04		1:19
5	26 46	73 34		1:33
6	28 00	72 00		1:49
7	30 00	74 00		2:10
8	30 00	72 00		2:24
9	29 30	70 00		2:39
10	29 00	68 00		2:54
11	27 00	68 00		3:10
12	27 00	70 00		3:25
13	25 00	69 00		3:43
14	25 00	67 00		3:57
15	23 00	67 00		4:14
16	23 00	69 15		4:31
17	21 00	68 00		4:50
18	21 00	70 00		5:05
19	21 00	72 00		5:20
20	23 00	71 30		5:37
21	25 00	71 00		5:53
22	25 00	73 00		6:08
23	23 14	73 34		6:23
24	22 09	75 04		6:38
25	22 09	76 56		6:52
26	23 14	78 26		7:06
27	25 00	79 00		7:21
28	26 46	78 26		7:36

1730
 1855
 1905
 125
 130
 135
 2335-0015
 605
 640
 645

**NOAA G-IV N49RF
Hurricane Frances Mission 4
Surveillance Flight**

Flight ID: N040902

<u>Sensor or System</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW_PITR, VNS_PITR
Attack Angle	AKRD2
Slip Angle	SSRD2
Accelerometer	ACINS_PITR
Temperature Probe	AT3
Dew Point Probe	DPLC
Altitude (for vertical wind derivation)	PALT
Static Pressure	PS2C
Dynamic Pressure	QC2C
True Air Speed	TAS2
Constants File	49cal041
Project Directory	406

Notes:

There were no time/data glitches during this flight.

Due to large spikes in the both dewpoint sensors at 2319Z during a left roll, the left dewpoint sensor will be substituted in for DPX and DPXC. Since the amplitude of the spike in the left sensor was less than that of the right, it is the better of the two options.

Otherwise, all instruments performed optimally during this mission.

Flight Director:

Martin Mayeaux (813) 828-3310 x 3086