

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

Flight ID: 040830 N Time Off: 1728 Z Time On: 2117 Z

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	<u>1004.1</u> mb	<u>1014.0</u> mb	<u>1003.6</u> mb	<u>1014</u> mb

ATIS	Time	Observation
Takeoff	<u>1700Z</u>	<u>17001KT P6sm Frw 018 31/24 QNH1014</u>
Land	<u>0050Z</u>	<u>00000KT P6sm Sct 28/24 QNH1014</u>

	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Drosondes	<u>30</u>	<u>Good: 28 Bad: 2</u>
AXBT		
AXCP		
AXCTD		

Remarks:

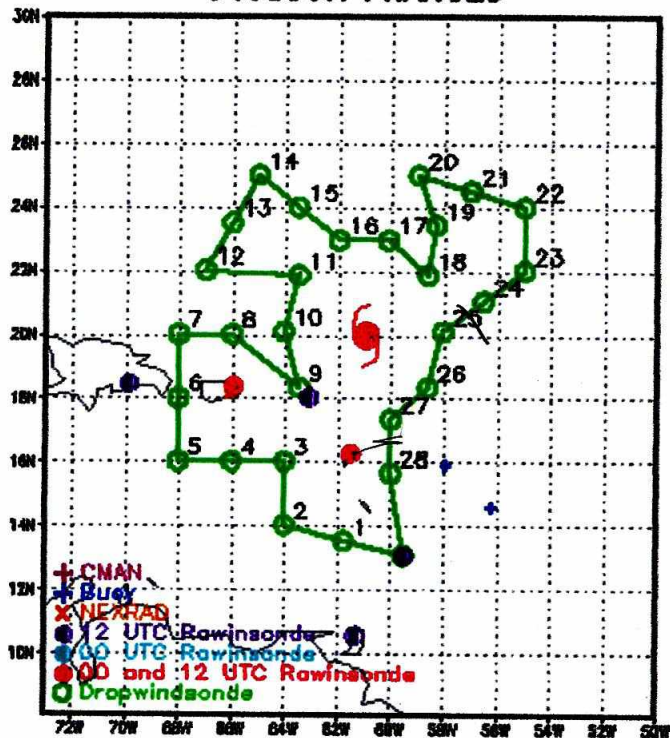
NOAA 43-
our closest print -
17, 18, 19 (21-22Z)
24, 25, 26, 27 (23-24Z)

19° 23" } 948
59° 21" }

10, 5, 2, 30,
STANDBY (10) 5, 4321
111
drop

75 x 3.25 x 100
750
3.25

040830N FRANCES



G/RDS: COLA/1625

2004-08-28-11:37

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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	13 32	61 45		0:28
2	14 00	64 00		0:47
3	16 00	64 00		1:03
4	16 00	66 00		1:19
5	16 00	68 00		1:34
6	18 00	68 00		1:51
7	20 00	68 00		2:07
8	20 00	66 00		2:22
9	18 20	63 28		2:46
10	20 06	64 03		3:01
11	21 52	63 28		3:16
12	22 00	67 00		3:43
13	23 30	66 00		3:57
14	25 00	65 00		4:11
15	23 59	63 29		4:25
16	22 57	61 59		4:40
17	22 57	60 07		4:53
18	21 52	58 38		5:08
19	23 26	58 18		5:21
20	25 00	59 00		5:35
21	24 30	57 00		5:50
22	24 00	55 00		6:05
23	22 00	55 00		6:22
24	21 03	56 32		6:36
25	20 06	58 03		6:50

 500
 515

 645-
 725

26	18 20	58 38	7:05
27	17 21	60 00	7:18
28	15 39	60 00	7:32

**NOAA G-IV N49RF
Hurricane Frances Mission 2
Surveillance Flight**

Flight ID: N040830

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

Notes:

There was one time/data glitch during this flight. Due to and Aft DSM restart at 2250Z, Inertial two has some missing data. Therefore, inertial one will be used to calculate the derived wind variables.

Otherwise, all instruments performed optimally during this mission.

Flight Director:

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