

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

Flt ID: 040904D	From: KMCF	To: KMCF
Flt. No: —	Blk In: 1342 Z	Time On: 1338 Z
ETD: 0530Z Z	Blk Out: 0520 Z	Time Off: 0537 Z
ETE: 8 + 30	Blk Time: 8 + 22 (8.4) Hrs	Flt Time: 8 + 01 (8.0) Hrs
Sponsoring Org: NHC	Program: Surveillance	Purpose: N. Frances

AOC Flight Crew

Aircraft Commander: McCann	Data System: H111 ✓
Co-Pilot: Maxson 1 Finn	AVAPS: Burr
Navigator: 1	System Eng: Delgado
Flight Eng: Cottrell 1	AA:
Flight Director: Parris L. 1	AA:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Landson, C.	HAPS Scientist	HAD

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	<u>Recco Times</u>		<u>Fix #</u> <u>Fix Time</u>	
	Storm Name: Frances	0412Z 26 19 77 50 962	0549 26 25 77 54 960	91 NE
	Mission ID: 2706A	0902Z 26 35W 78 11W 961		

Penetration number and time
 0500 Z
 020/10
 52/15
 26/24
 29.90

(See reverse for additional remarks)

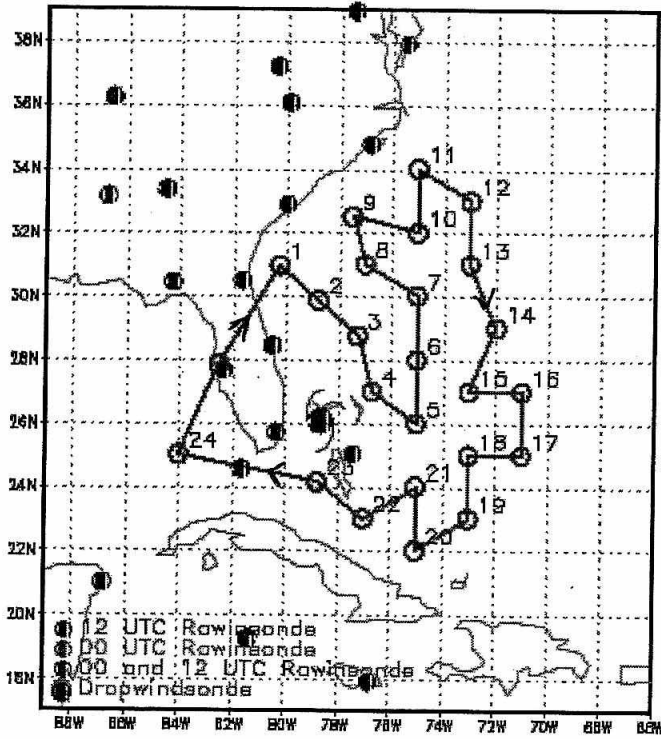
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Flight ID:		Time Off: Z		Time On: Z	
A/C - Takeoff		Wx Station - Takeoff		A/C - Land	
Wx Station - Land		A/C - Takeoff		Wx Station - Land	
Pressure	(011.1) mb	29.90 mb		mb	mb
ATIS	Time	Observation			
Takeoff	Z				
Land	Z				
	Number	Data Disposition / Date / Quality			
Flight Level Tapes					
Radar Tapes					
Cloud Physics Tapes / CDs					
Video Tapes					
Dropsondes		Good:	Bad:		
AXBT					
AXCP					
AXCTD					

Remarks:

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt	Geo. Alt	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
053745	27 52	82 29	82	75	36	16	23.8	22.5	506	505		951	68	↑ 26 26 77 31
060230	29 49	81 08	36	34	207	4	-53.4	-51.9	11832	12508		194	84	
061351	30 52	80 07	~	~	228	9.2	-57.8	-61.8	12420	13151		175.4	88.4	Drop 1
062644	29 50	78 45	129.9	131.7	191	14	-57.5	-59.2	12492	13171		175.5	88.0	Drop 2
064053	28 44	77 15	152	153	168	15	-58.9	-60.3	12786	13492		166.7	84.9	Drop 3
065550	27 01	76 40	132	131	180	15	-58	-54	12919	13619		163	86.2	Drop 4 ↓ wind slow 800 mph.
071022	26 14	74 59	0	356	264	12	-59.3	-57.5	12915	13636				Drop 5
072441	28 00	75 00	0.4	356	262	14	-60.4	-56.5	12915	13647		162.9	85.4	Drop 6
074007	29 58	75 02	322	315	250	24	-60.8	-62.3	12914	13609		162.9	82.2	Drop 7
0800	31 22	77 07	343	337	227	22	-61.4	-60.8	12918	13589		163.04	83.2	Drop 8
080931	32 27	77 16	0.7	103	228	22	-60.6	-64.8	12920	13589		163.1	83.3	Drop 9
082443	32 01	75 01	24	172	245	29	-61.9	-61.5	12915	13581		163.1	82.5	Drop 10
083923	33 54	74 52	90	92	261	25	-61.4	-65.9	13059	13695		159.2	80.8	Drop 11
085301	32 58	73 02	153	161	259	34	-63.1	-63.8	13055	13707		159.2	80.9	Drop 12
091006	31 00	72 59	164	169	251	28	-62.5	-63.3	13058	13735		159.3	78.9	Drop 13
092718	28 59	72 02	187	193	280	25	-62.7	-64.3	13200	13895		155.4	80.1	Drop 14
094526	27 01	72 50	113	113	277	21	-63.3	-63.8	13909	13205		155.1	78	Drop 15
095742	26 55	71 03	144	146	311	26	-61.6	-65.1	13198	13907		155.5	78.3	Drop 16
101244	25 01	71 06	244	251	318	28	-63.1	-65.2	13987	13902		155.5	78.6	Drop 17
102759	24 52	72 58	200	201	321	15	-63.1	-64.3	13201	13916		155.5	77.9	Drop 18
104254	22 59	73 04	221	222	355	11	-64.6	-66.5	13482	14208		148.1	75.1	Drop 19
105936	22 08	74 59	334	335	348	14	-64.9	-65.3	13484	14215		148.0	74.9	Drop 20
111419	23 49	75 04	320	319	329	15	-65.4	-64.7	13496	14214		148.3	76.5	Drop 21
113124	23 03	77 03	291	295	350	18	-64	-64	13626	14363		144.7	73	Drop 22
114805	24 08	78 47	288	289	353	14.5	-61.7	-61.1	13630	14368		144.6	73.7	Drop 23
120900	24 36	81 25	280	280	328	8.6	-63.5	-68.5	13624	14372		144.9		Drop 23'
122937	25 01	84 00	303	301	270	10	-63.3	-69.1	14377	13633		144.8	75.4	Drop 24

EAL 91



CHADS: COLA/TRES

2004-08-02-12:58

NOAA G-IV 9/4/2004
Flight Track

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 04/0530Z

TRACK DISTANCE TABLE

NOAA G-IV Turn Points

#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	MACDILL			0.	0.	0:00
1	30 57	80 16		220.	220.	0:40
2	28 46	77 16		204.	424.	1:08
3	27 00	76 42		110.	534.	1:23
4	26 00	75 00		109.	644.	1:37
5	30 00	75 00		240.	884.	2:10
6	31 00	77 00		120.	1004.	2:26
7	32 30	77 30		94.	1098.	2:39
8	32 00	75 00		131.	1228.	2:57
9	34 00	75 00		120.	1348.	3:13
10	33 00	73 00		117.	1465.	3:29
11	31 00	73 00		120.	1586.	3:45
12	29 00	72 00		131.	1717.	4:03
13	27 00	73 00		131.	1848.	4:21
14	27 00	71 00		107.	1955.	4:35
15	25 00	71 00		120.	2075.	4:52
16	25 00	73 00		109.	2184.	5:07
17	23 00	73 00		120.	2304.	5:23
18	22 00	75 00		126.	2431.	5:40
19	24 00	75 00		120.	2551.	5:56
20	23 00	77 00		126.	2677.	6:13
21	24 09	78 46		120.	2796.	6:30
22	25 00	84 00		290.	3086.	7:09
23	MACDILL			189.	3275.	7:45

*3086
480
3566*

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 04/0530Z

DROP LOCATIONS

NOAA G-10 Instrument Drop Points

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	30 57	80 16		0:40
2	29 51	78 46		0:54
3	28 46	77 16		1:08
4	27 00	76 42		1:23
5	26 00	75 00		1:37
6	28 00	75 00		1:54
7	30 00	75 00		2:10
8	31 00	77 00		2:26
9	32 30	77 30		2:39
10	32 00	75 00		2:57
11	34 00	75 00		3:13
12	33 00	73 00		3:29
13	31 00	73 00		3:45
14	29 00	72 00		4:03
15	27 00	73 00		4:21
16	27 00	71 00		4:35
17	25 00	71 00		4:52
18	25 00	73 00		5:07
19	23 00	73 00		5:23
20	22 00	75 00		5:40
21	24 00	75 00		5:56
22	23 00	77 00		6:13
23	24 09	78 46		6:30
24	25 00	84 00		7:09

*→ 24 35.9
81 22.4*

(21)

~~Plan 002~~
Tues 002

*07/00Z
1149Z
26.8
78.5
962*

