

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

Flt ID: 04090301	From: KMCF	To: KMCF
Flt. No: 04 - 096	Blk In: 1229 z	Time On: 1221 z
ETD: 0530 z	Blk Out: 0514 z	Time Off: 0524 z
ETE: 7 + 25	Blk Time: 7 + 15 (7.3) Hrs	Flt Time: 6 + 57 (7.0) Hrs
Sponsoring Org: OHC	Program: Surveillance	Purpose: W. Frances Bahamas

AOC Flight Crew

Aircraft Commander: McCann ✓	Data System: Hill ✓
Co-Pilot: Muxson ✓, Finn ✓	AVAPS: Robs ✓
Navigator:	System Eng: Delgado ✓
Flight Eng: A. Daniel ✓	A A:
Flight Director: Parrish ✓	A A:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Landsea, C. ✓	WAP Scientist	HAD
Orelon Sidney ✓	Visitor	CON
Dave Catrett ✓	"	"

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

Storm Name: Frances

Mission ID: 2206A

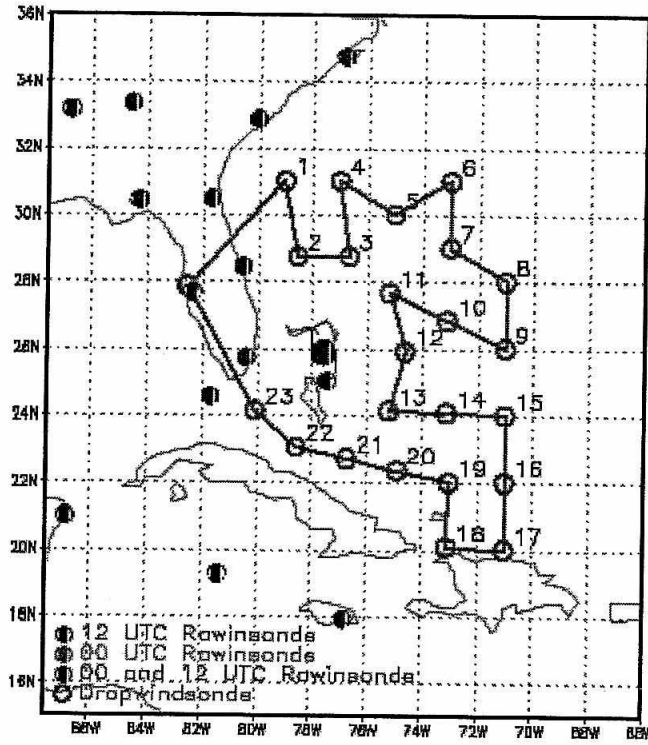
Penetration number and time

050/6 127
7
104
23
96

Recco Times Fix # Fix Time

(See reverse for additional 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
053530	28 27	81 42	42	42	82	6.1	-8.8	-24.9	6082	6440		46.1	156	↑
055030	29 45	80 20	43	42	106	1.2	-4.3	-5.4	10630	10220				↑
060322	30 49	78 59	141	145	217	16	-5.8	-6.6	12498	13134		175.5	86.9	Drop 1
062129	28 46	78 25	110	111	204	11	-5.7	-6.6	12497	13160		175.5		Drop 2
063324	28 49	76 43	~	~	206	13	-5.8	-6.1	12486	1328				Drop 3
065028	30 54	76 48	~	~	230	21	-57.8	-66.1	12494	13148		175.5	89	Drop 4
070458	30 03	74 56	79	79	245	19.8	-59.8	-60.4	12634	13311		171	86	Drop 5
072015	30 43	72 59	180	184	262	22.4	-60.4	-60.1	12629	13299		171	86	Drop 6
073510	28 58	72 55	135	136	236	14	-59	-59.8	12629	13325		171.4	85.4	Drop 7
075006	27 58	71 02	153	157	257	16	-58.9	-61.7	12630	13324		171.5	86	Drop 8
080540	26 04	71 04	250	254	303	17	-59.5	-58.6	12767	13470		167.3	84.6	Drop 9
082252	26 51	73 07	295	292	264	15	-58.8	-63.2	12916	13697				Drop 10
083947	27 28	75 06	179	178	202	16	-61.3	-61.9	13056	13792				Drop 11
085402	25 54	74 36	184	183	176	15	-60	-59	13058					Drop 12
090924	24 10	75 02	124	122	296	11	-58.8	-53.4	13058	14736				Drop 13
092347	24 03	73 03	91	89	275	7.9	-62	-59	13055	13762		159	78	Drop 14
093830	23 56	71 02	146	146	324	15	-62.5	-61.9	13198	13910				Drop 15
095332	21 59	71 00	179	180	332	19	-62.4	-61.9	13203	13917		155.1	78.7	Drop 16
100828	20 02	71 05	240	244	6	19	-62.4	-62.9	13498	13910		155.5	79	Drop 17 ^{lost wind} _{low}
102452	20 18	73 02.6	0	2.6	40	18	-62.7	-63.7	13343	14053		151.9	77	Drop 18 "
103958	21 58	73 05	311	312	357	16	-62.8	-65.2	13344	14051		151.9	77	Drop 19
105433	22 21	74 52	281	284	338	17	-64.9	-64.5	13226	14355		144.7	73	Drop 20
110922	22 42	76 42	281	284	342	15	-64	-64	13624	14367		144.7	72	Drop 21
112400	23 04	78 32	307	307	327	9.5	-65	-67	14361	13630		144.7	73.5	Drop 22
113906	24 08	80 02	324	323	288	7	-65	-67	14361	13632		144.8	74	Drop 23



RAJSE COLYIBES

2004-09-01-17:38

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: FRANCES

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 03/0530Z

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	28 45	78 32		137.	401.	1:05
3	28 45	76 40		98.	499.	1:18
4	31 00	77 00		136.	635.	1:36
5	30 00	75 00		120.	755.	1:53
6	31 00	73 00		120.	875.	2:09
7	29 00	73 00		120.	995.	2:25
8	28 00	71 00		122.	1117.	2:42
9	26 00	71 00		120.	1237.	2:58
10	27 40	75 10		245.	1482.	3:31
11	25 54	74 36		110.	1592.	3:46
12	24 08	75 10		110.	1703.	4:01
13	24 00	71 00		229.	1932.	4:32
14	20 00	71 00		240.	2172.	5:05
15	20 04	73 03		116.	2288.	5:21
16	22 00	73 00		116.	2404.	5:36
17	23 03	78 32		313.	2717.	6:19
18	24 08	80 02		105.	2823.	6:33
19	MACDILL			261.	3083.	7:19

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DROP LOCATIONS

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