

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 051023N	From: KSAV	To: KTPA
Flt No: 06-011	In: 0205 Z	On: 0220 Z
ETD: 18 Z	Out: 1806 Z	Off: 1816 Z
ETE: 7 + 30	Blk Time: 8 + 19 (8.3 Hrs)	Flt Time: 8 + 04 (8.1 Hrs)
Sponsoring Org: NOAA/NHC	Program: Hurricane 05	Purpose: Hurricane Surv

AOC Flight Crew

Aircraft Commander: POSTON, R	Data System: ROGERS, M
Co-Pilot: ODELL, W	AVAPS: BROGAN, D
Navigator: /	System Engineer:
Flight Eng: /	AA:
Flight Director: FLAHERTY, P	AA:
Avionics: CARPENTER, D	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
ABERSON, S	HARS	NRI

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

Recco Times

Fix #

Fix Time

Storm Name: Hurricane Wilma

Mission ID: NMAA 2224A WILMA

U.S. DEP'T OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID:		TIME OFF: Z		TIME ON: Z	
A/C - Takeoff		WX Station - Takeoff		A/C - Land	
WX Station - Land					
Pressure		1009.5			
ATIS - Takeoff		07008KT 10SM 18/07 A2990			
ATIS - Land		01530 07010KT 10SM 24/23 A2968			
Data Source	Number	Data Disposition / Date / Quality			
Flight Level Tapes					
Radar Tapes					
Cloud Physics Tapes / Cds					
Video Tapes					
Dropsondes	20	Good:	Bad:	Total:	
AXBT					
AXCP					
AXCTD					
SONOBUOY					

REMARKS:



NOAA G-IV
Hurricane 2005
NHC – Hurricane Wilma
KSAV - KTPA



Flight ID: 051023n

Sensor or system

Inertial (for wind derivation)

Temperature /Dew Point

Static and Dynamic Pressure

Directory / Constants File

Number or Name

VEW_PITR/VNS_PITR

AT1/DPRC

PS2C/QC2C

506/49cal032

Notes:

There were no time/data glitches during this flight.

All instruments worked properly.

20 dropsondes were deployed. 19 observations transmitted.

Aircraft Static Pressure	Takeoff	Landing
	1009.5 mb	n/a mb

STATION INFORMATION

07008KT 10SM 18/07 A2990

07010G17KT 10SM 24/23 A2968

Flight Director:	Paul Flaherty
Phone #:	(813) 828-3310 ext. 3094

N49RF AVAPS DropSonde Log

Project: HURR 2005 Flight ID: 051023N Flt Dir: FLAHERTY

Mission: WILMA Flight #: 8 Status: Sys 1 ☒ Sys 2 ☒ Launcher S/N: 02

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	042115062	1	1840	0	18	DSB			
2	051926155	1	1903	0	—		FAST FALL		
2	053170012	2	1905	0.4	20				
3	053316003	1	1921	0.5	48				
4	053316004	1	1948	0.4	30				
5	044135201	1	2206	0	32				
6	044135224	1	2228	0	21				
7	051926157	2	2242	0	38				
8	051926158	1	2301	0	22				
9	053316001	2	2315	0	15				
10	053316009	1	2331	0.4	16				
11	044135317	2	2349	0	1:35				
12	044535094	1	0006	0	28				
13	044135202	2	0024	0	29				
14	051926160	1	0038	0	13				
15	043625196	2	0051	0	42				
16	051926154	1	0104	0	32				
17	044135223	2	0118	0	59				
18	044535150	1	0138	0	21				
19	051926159	2	0149	0	14				
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									

\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS

NHC 20
AOC 1

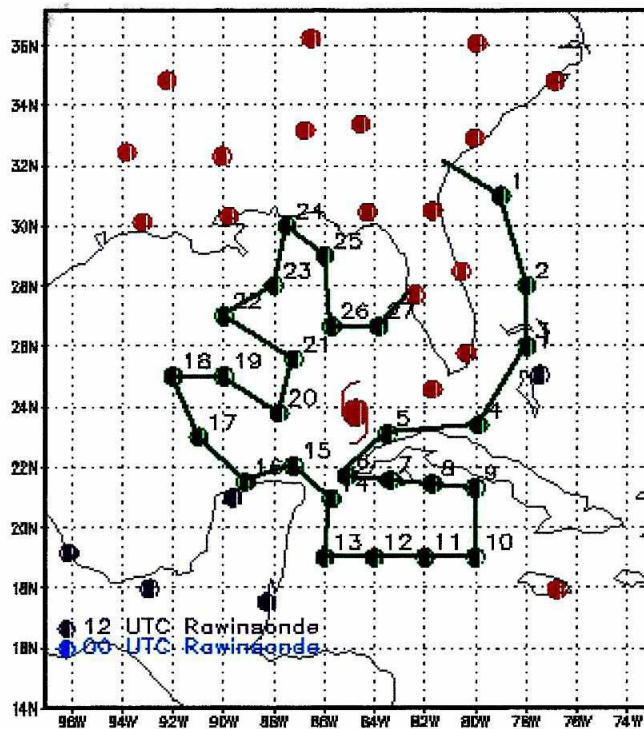
HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: WILMA

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 23/1730z

TRACK DISTANCE TABLE

#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	SAVANNAH			0.	0.	0:00
C 1	31 00	79 00		132.	132.	0:28
D 2	28 00	78 00		188.	319.	0:53
D 3	26 00	78 00		120.	440.	1:10
D 4	23 24	79 52		187.	626.	1:35
D 5	23 06	83 30		201.	827.	2:02
T 6	21 54	85 06		114.	942.	2:18
D 7	21 42	85 06		12.	954.	2:20
D 8	21 18	80 00		286.	1240.	2:58
D 9	19 00	80 00		138.	1378.	3:17
D 10	19 00	86 00		341.	1719.	4:03
11	20 57	85 44		118.	1837.	4:19
12	22 02	87 14		106.	1944.	4:34
13	21 30	89 08		112.	2055.	4:49
14	23 00	91 00		137.	2192.	5:08
15	25 00	92 00		132.	2325.	5:26
16	25 00	90 00		109.	2434.	5:40
17	23 48	87 48		140.	2574.	5:59
18	25 34	87 14		110.	2684.	6:14
19	27 00	90 00		173.	2857.	6:38
20	28 00	88 00		122.	2979.	6:54
21	30 00	87 30		123.	3102.	7:11
22	29 00	86 00		99.	3201.	7:25
23	26 39	85 44		142.	3343.	7:44
24	26 39	83 52		100.	3443.	7:57
25	MACDILL			102.	3545.	8:21



(CHANGES)

24 DROPS

MISS ID

2224A WICMA

TEAL89-42

NWA42-232

KAL 00

GADS: COLA/16ES

2005-10-22-12:30

1, 2, 3, 4, 8, 7, 11, 12, 13, (ADD MD), 6, 15-26

AFTER 26 DIRECT TPA

DROP HALF WAY