

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

FLT ID: 051018N	From: KMCF	To: KMCF
Flt No: 06 -	In: 0159 Z	On: 0151 Z
ETD: 1730 Z	Out: 1713 Z	Off: 1727 Z
ETE: 8 + 30	Blk Time: 8 + 46 (8.8 Hrs)	Flt Time: 8 + 24 (8.4 Hrs)
Sponsoring Org: NOAA/NHC	Program: HURR 05	Purpose: HURR SURV.

AOC Flight Crew

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

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
ABERSON, S	1720 / PI / HAPS	HRD
THOMAS, S	VIS / PRESS	FOX - FT MYERS

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

Recco Times

Fix #

Fix Time

Storm Name:

HURR WILMA

Mission ID:

NOAA 0624A WILMA

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

FLT ID: 051018N TIME OFF: 1727 Z TIME ON: 0151 Z

A/C - Takeoff

WX Station - Takeoff

A/C - Land

WX Station - Land

Pressure

1013.9

1014.5

ATIS - Takeoff

1455Z

06010Z

AT 7SM

26/19

A2998

ATIS - Land

Data Source

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes /
Cds

Video Tapes

Dropsondes

28

Good:

28

Bad:

Total:

AXB T

AXCP

AXCTD

SONOBUOY

REMARKS:



NOAA G-IV
Hurricane 2005
NHC – Hurricane Wilma
KMCF - KMCF



Flight ID: 051018n

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.

28 dropsondes were deployed. 28 observations transmitted.

	Takeoff	Landing
Aircraft Static Pressure	1013.9 mb	1014.5 mb

STATION INFORMATION

1455Z 06010KT 10SM 26/19 A2998

n/a

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

N49RF AVAPS DropSonde Log

N49RF Project: Hurricane 2005 Flight ID 051018N

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

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	012548 014	1	1751	0	3:12	DWC	Late winds	✓
2	012548 008	2	1753	0	8:40		drop #1 A/O Late winds	✓
3	012548 028	1	1809	0	29		OK	✓
4	012625 045	2	1828	2.1	29			✓
5	012548 004	1	1845	0	25			✓
6	000715 076	2	1902	0	17			✓
7	012548 003	1	1917	-0.8	39			✓
8	012225 038	2	1935	0	24			✓
9	012548 026	1	1950	0	40		Intermittent winds	✓
10	012225 117	2	2006	0	31		OK	✓
11	012225 041	1	2022	0	18			✓
12	012225 042	2	2037	0	1:50		Late winds	✓
13	012525 030	1	2047	0	27		OK	✓
14	012615 100	1	2123	0	-11		Lost winds	✓
15	012548 015	2	2142	-1.9	20		OK	✓
16	012525 021	1	2158	0	13			✓
17	012548 027	2	2213	-0.7	38			✓
18	000715 353	1	2229	0	21			✓
19	000715 042	1	2256	0	23			✓
20	000745 015	2	2310	0	24		Lost winds	✓
21	000715 036	1	2324	0	34		OK	✓
22	000715 037	2	2338	-0.8	19			✓
23	003135 267	1	2355	-0.5	19			✓
24	000715 380	2	0007	0	23			✓
25	000715 062	1	0020	0	9			✓
26	000715 039	2	0038	0	24			✓
27	000715 048	1	0057	0	1:30		Late winds	✓
28	000745 016	2	0115	0	10			
29								
30								
31								
32								
33								

NWS 25 Aug 3
Note for 18 Oct 05 - 61 sondes on board

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: WILMA =====

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 18/1730Z
=====

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	25 54	83 41		0:28
2	23 57	84 50		0:46
3	22 00	86 00		1:04
4	21 27	84 05		1:19
5	19 21	83 32		1:37
6	19 21	81 40		1:51
7	20 00	79 15		2:11
8	18 16	80 10		2:27
9	16 30	79 36		2:42
10	14 44	80 10		2:57
11	13 39	81 40		3:12
12	13 34	83 00		3:22
13	16 30	85 36		3:58
14	16 06	88 00		4:17
15	18 00	87 00		4:35
16	18 16	85 02		4:50
17	20 00	86 00		5:06
18	23 00	87 30		5:33
19	22 03	88 57		5:47
20	21 06	90 24		6:00
21	19 24	90 54		6:14
22	20 00	93 00		6:31
23	21 30	92 45		6:44
24	23 00	92 30		6:56
25	24 05	90 20		7:14
26	25 10	88 10		7:33
27	26 15	86 00		7:51

MID
NOA 0624A WILMA
TEAL B

