

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

FLT ID: 050921 N	From: KMCF	To: KMCF
Flt No: 05-143	In: 0148z	On: 0140z 60 13 47
ETD: 18 Z	Out: 1743z	Off: 1753z
ETE: 8 + 30	Blk Time: 6 + 05 6.1 Hrs	Flt Time: 7 + 47 7.8 Hrs
Sponsoring Org: NOAA / NHC	Program: Hurricane 2005	Purpose: Hurricane Surv

AOC Flight Crew

Aircraft Commander: FINN, M	Data System: BROGAN, J
Co-Pilot: HAGAN, J	AVAPS:
Navigator: /	System Engineer: SMITH, J
Flight Eng: /	AA:
Flight Director: FLANSHAW, P	AA:
Avionics: ROGERS, M	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
DORST, N	HAPS	HRD
PATERSON, JEFF	PRESS	WFLA / 2
WINTERROD, JOHN	"	"
DAVIS, PHILIP	"	NPR

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

Storm Name: HURRICANE RITA

Mission ID: NOAA 9 1518A RITA

21M 24 17
86 10

NOAA 43 NPL
TSAL 99
TSAL 81

(See reverse for additional remarks)

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

FLT ID: 050921 N

TIME OFF: 1753 Z

TIME ON: 0140 Z

A/C - Takeoff

WX Station - Takeoff

A/C - Land

WX Station - Land

Pressure

1012.4

1013.0

ATIS - Takeoff

ATIS - Land

Data Source

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes /
Cds

Video Tapes

Dropsondes

26

Good:

26

Bad:

3

Total:

29

AXBT

AXCP

AXCTD

SONOBUOY

REMARKS:

T10 1755Z 10014 KTS 7SM 31/25 A2990

LAND 0055Z 00015 KTS 7SM 26/24 A2992



NOAA G-IV
Hurricane 2005
NHC - Hurricane Rita
KMCF - KMCF



Flight ID: 050921n

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.

29 dropsondes were deployed. 26 Observations were transmitted.

	Takeoff	Landing
Aircraft Static Pressure	1012.4 mb	1013.0 mb

STATION INFORMATION

1755Z 10014KT 7SM 31/25 A2990

0055Z 08015KT 7SM 26/24 A2992

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

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: RITA

NOAA/AOML/Hurricane Research Division: September 20, 2005 9:27:38
Aircraft: N49RF Proposed takeoff: 21/1800Z

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DROP LOCATIONS

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#	LAT (d m)	LON (d m)	TIME (h:mm)
1	27 08	-84 07	0:14
2	26 25	-85 43	0:27
3	24 39	-85 09	0:42
4	22 53	-85 43	0:58
5	21 27	-84 05	1:17
6	19 00	-85 00	1:38
7	19 54	-86 48	1:54
8	21 48	-87 13	2:13
9	21 48	-89 05	2:28
10	22 53	-90 35	2:43
11	21 00	-91 00	2:58
12	20 00	-93 00	3:16
13	22 00	-93 00	3:33
14	21 00	-95 00	3:50
15	18 57	-95 39	4:08
16	21 14	-97 15	4:31
17	23 57	-97 32	4:53
18	23 00	-95 00	5:14
19	24 00	-93 00	5:32
20	24 39	-91 09	5:47
21	26 00	-93 00	6:06
22	28 00	-92 00	6:24
23	26 25	-90 35	6:41
24	27 30	-89 05	6:55
25	27 30	-87 13	7:10
26	29 00	-86 00	7:25

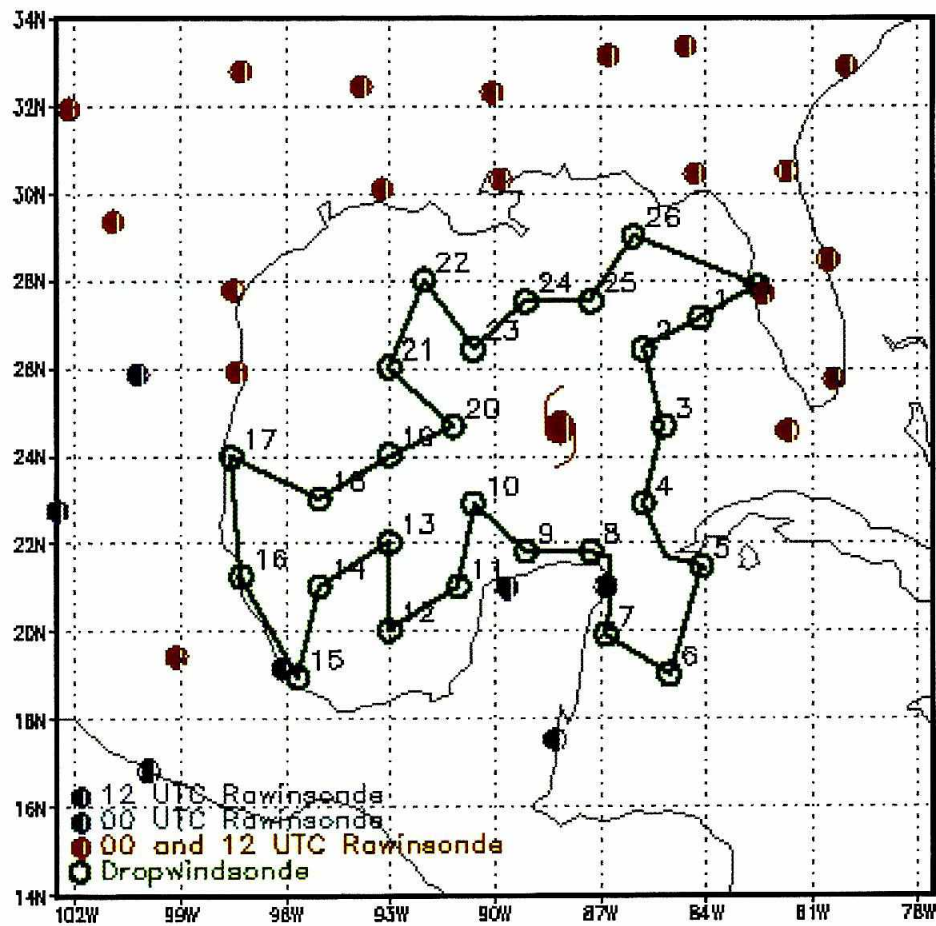
N49RF AVAPS DropSonde Log

Project: Hurr 2005 Flight ID: 051021W2 Flt Dir: Flaherty
 Mission: Wilma Flight #: 5 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	053 166 198	1	1855	0	15	DWC	OK	N	✓
2	053 166 204	1	1941	0	3				✓
3	053 166 123	2	1958	0	25				✓
4	053 166 120	1	2017	0	2				✓
5	053 166 195	2	2037	0	1				✓
6	053 156 032	1	2051	0	5				✓
7	053 166 002	2	2108	0	2				✓
8	053 166 196	1	2118	0	2				✓
9	053 166 202	2	2132	0	2				✓
10	053 166 201	1	2151	0	0				✓
11	053 116 133	2	2200	0	1				✓
12	051 946 063	1	2210	0	3				✓
13	053 116 137	2	2223	0	3				✓
14	044 535 518	1	2238	0	0				✓
15	051 946 059	2	2252	0	1				✓
16	053 116 130	1	2308	0	1		Fast fall/weak telemetry		✓
17	053 116 131	2	2322	0	3		OK		✓
18	044 135 176	1	2339	0	1				✓
19	051 946 064	2	2357	0	2				✓
20	053 116 138	1	0018	0	26				✓
21	053 116 038	2	0035	0	4				✓
22	053 116 246	1	0051	0	5				✓
23	053 116 044	2	0108	0	1				✓
24	053 116 136	1	0124	0	3				✓
25	053 116 236	2	0139	0	2	↓	↓	↓	✓
26									
27									
28									
29									
30									
31									
32									
33									

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

All Rev F drops



GADS: COLA/IGES

2005-09-20-08:27

N49RF AVAPS DropSonde Log

N49RF Project: HURR05

Flight ID 0509212

Mission: RITA Flight #: 40

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	053156035	1	1811	0	2	1415	REV.F	✓
2	053166070	2	1824	0	3		REV.F	✓
3	012625009	1	1839	0	18			✓
4	012625012	2	1855	0	20			✓
5	012625046	1	1914	0	54			✓
6	012625016	1	1933	0	20			✓
7	012225079	2	1948	-0.5	—		NO WINDS	✓
8	012225077	3	1949	0	20			✓
9	012625013	1	2006	0	21			✓
10	012225076	2	2020	0	—		NO LAUNCH DETECT	✓
11	012625011	4	2022	0	36			✓
12	012625051	1	2034	0	23			✓
13	012625007	2	2049	0	20			✓
14	012625015	1	2106	0	20			✓
15	051926193	2	2121	0	—		NO WINDS	✓
16	012225061	1	2124	0	29			✓
17	053166176	4	2138	0	2		REV.F	✓
18	053156038	1	2155	0	1		REV.F	✓
19	053166190	1	2216	0	1		REV.F	✓
20	053166273	1	2238	0	1		REV.F	✓
21	012025100	1	2259	0	35			✓
22	012225062	2	2317	0	12			✓
23	012025022	1	2331	0	35			✓
24	993215106	2	2347	0	20			✓
25	010715152	1	0004	-0.5	24			✓
26	012225063	2	0021	0	26			✓
27	012625014	1	0035	0	36			✓
28	012625048	2	0049	0	—		LATE WINDS	✓
29	012625049	4	0051	0	43		LOST WINDS	✓
30	023128009	1	0103	0.5	50			✓
31								
32								
33								