



NOAA G-IV
Hurricane 2005
NHC - TS Gamma
KTPA - KTPA



Flight ID: 051119n

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. There were issues with dap,dbp at about 2022Z. The aircrafts attitude reflected changes in roll and sideslip, but the attitude of the plane did not change. This was noted in real-time.

All other instruments worked properly.

22 dropsondes were deployed. 22 observations transmitted.

	Takeoff	Landing
Aircraft Static Pressure	1018.4 mb	1018.3 mb

STATION INFORMATION

1655Z 06013KT 7SM 24/18 A3009

2155Z 07011KT 7SM 25/19 A3004

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

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

FLT ID: 051119N	From: KMCF	To: KMCF
Flt No: 06-018	In: 0146Z	On: 0139Z
ETD: 18 Z	Out: 1747Z	Off: 1805Z
ETE: 8+00	Blk Time: 7+59 (8.0 Hrs)	Flt Time: 7+34 (7.6 Hrs)
Sponsoring Org: NOAA/NHC	Program: Hurricane Surv. (05)	Purpose: Hurricane Surv.

AOC Flight Crew

Aircraft Commander: FINN	Data System: BROGAN
Co-Pilot: HAGAN / ODELL	AVAPS: TONG
Navigator: /	System Engineer:
Flight Eng: ROTTWELL	AA:
Flight Director: FLAHERTY	AA:
Avionics: CARPENTER	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
BLACK, M	HARS	HRD

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

Storm Name: TS GAMMA 2308 - GOOD NWS

Mission ID: NOAA 0527A GAMMA

TEAL 89 - 10601

(See reverse for additional remarks)

U.S. DEPT OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID: 057119 N TIME OFF: 1805 Z TIME ON: Z

A/C - Takeoff

WX Station - Takeoff

A/C - Land

WX Station - Land

Pressure

1018.4

1018.3

ATIS - Takeoff

1655Z 06013EB 7SM 24/18 3009

ATIS - Land

2155Z 07011WS 7SM 25/19 3004

Data Source

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes /
Cds

Video Tapes

Dropsondes

22

Good:

22

Bad:

Total:

AXBT

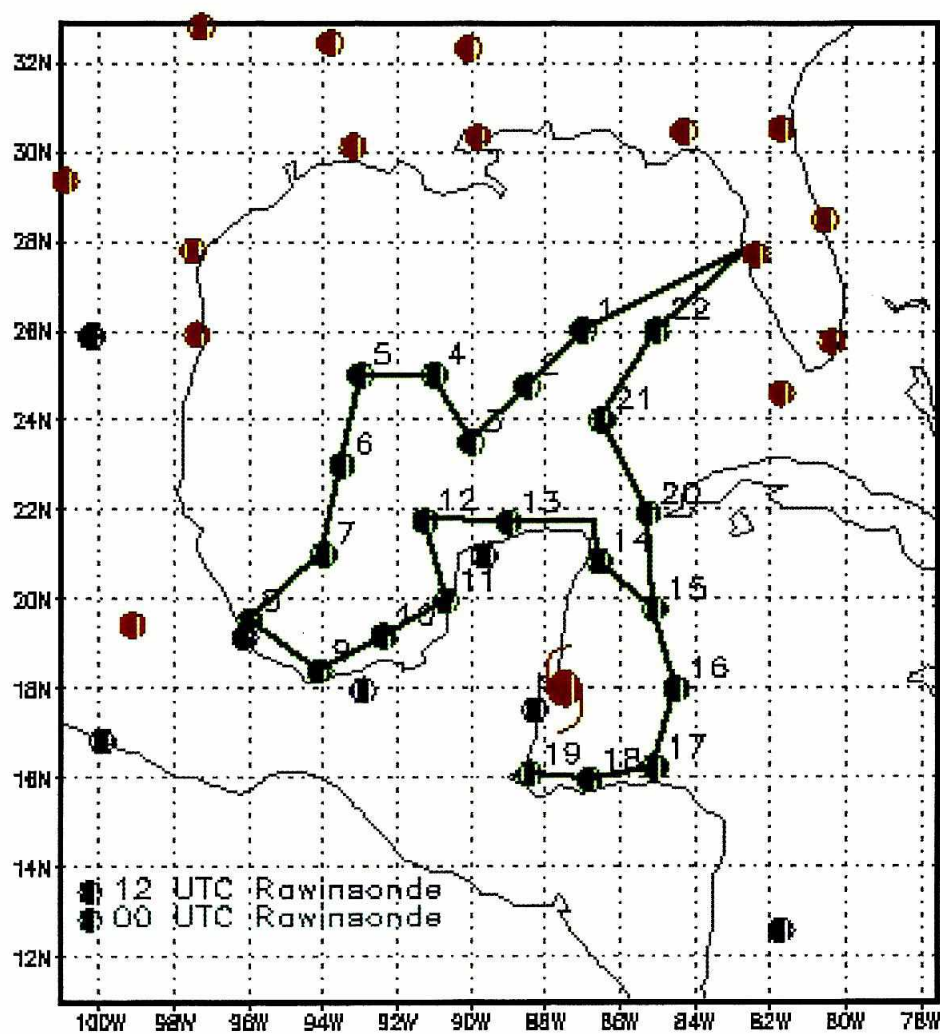
AXCP

AXCTD

SONOBUOY

REMARKS:

06-018



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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: TWENTY-SEVEN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 19/1800Z

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	26 00	87 00		0:46
2	24 45	88 30		1:01
3	23 30	90 00		1:16
4	25 00	91 00		1:30
5	25 00	93 00		1:45
6	23 00	93 30		2:02
7	21 00	94 00		2:19
8	19 32	96 00		2:38
9	18 24	94 06		2:56
10	19 11	92 23		3:10
11	19 58	90 41		3:25
12	21 45	91 15		3:40
13	21 42	89 00		3:57
14	20 51	86 34		4:21
15	19 46	85 04		4:36
16	18 00	84 30		4:51
17	16 14	85 04		5:06
18	15 57	86 49		5:20
19	16 06	88 26		5:33
20	21 54	85 15		6:47
21	24 00	86 30		7:06
22	26 00	85 00		7:26

N49RF AVAPS DropSonde Log

Project: WARR 05 Flight ID: 051119N Flt Dir: P7

Mission: T.S. GAMMA Flight #: 1 Status: Sys 1 ☒ Sys 2 ☒ Launcher S/N: ?

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	051 920 141	1	1955	0	22	RT		N	☒
2	042 215 052	2	1913	0	23				
3	044 535 030	3	1930	0	22				
4	044 535 128	4	1943	0	22				
5	053 410 343	1	1959	0	—		7		
6	044 535 040	2	2017	0	25				
7	044 535 027	2	2030	0	35				
8	051 920 138	2	2056	0	22				
9	033 415 207	3	2112	0	22				
10	044 135 103	1	2126	0	11				
11	044 535 045	2	2139	0	43				
12	033 310 010	2	2153	.4	24				
13	044 535 031	2	2207	0	22				
14	044 535 035	1	2231	0	72		Late winds		
15	044 535 093	4	2246	0	22				
16	044 535 028	1	2302	0	26				
17	053 316 134	2	2320	0	20				
18	044 535 091	3	2332	0	28				
19	042 715 132	4	2343	0	42				
20	044 535 025	1	0030	0	75				
21	044 535 033	2	0054	0	28				
22	044 135 101	1	0110	0	58				
23									
24									
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31									
32									
33									

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

Charge 22 To NHC