



NOAA G-IV N49RF
Hurricane Surveillance 2008
Fay Surveillance



Flight ID: N080818

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW,VNS
Attack Angle	AKRD1
Slip Angle	SSRD1
Accelerometer	ACINS
Temperature Probe	AT1
Dew Point Probe	DPRC
Altitude (for vertical wind derivation)	RA
Static Pressure	PS2C
Dynamic Pressure	QC2C
True Air Speed	TAS2
Constants File	49cal032
Project Directory	806

Local Met Data:

0500Z KMCF 00000KT P6SM A2995

1155Z KMCF 07005KT P6SM BKN250 25/24 A2991

Notes:

There were two time/data gaps during this flight. The first gap was a 6 second gap ending at 045246Z and the second was a 7 second gap ending at 062502Z.

Inertial number 2 (_PITR) was inoperative after 070547Z. Data before this time should also be considered erroneous.

Due to a sudden 4 degree roll at 0713Z, slip pressure values exhibit a erroneous spike at this time.

Ambient temperature values from sensor number 2 exhibit a repetitive erroneous oscillation throughout the flight.

Relative humidity values from 0543Z-0548Z are greater than 100%.

Flight Director: Marty Mayeaux (813) 828-3310 ext. 3086

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

Flt ID: 080818N	From: kmcf	To: kmcf
Flt No: 08-045	Blk In: 1352 Z	Time On: 1345 Z
ETD: 0530 Z	Blk Out: 0508 Z	Time Off: 0515 Z
ETE: 8+00	Blk Time: 8+44 (8.7) Hrs	Flt Time: 8+30 (8.5) Hrs
Sponsoring Org: NHC	Program: Surveillance	Purpose: Fay

AOC Flight Crew

Aircraft Commander: Finn, m	Data System: Goldstein, A
Co-Pilot: Longenecker, J	AVAPS: Delgado, J
Navigator: /	System Eng:
Flight Eng: /	A A: Carpenter, D
Flight Director: Mayeaux, /	A A:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Black, m	obs	HRD

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times	Fix #	Fix Time
Storm Name: _____	Teal 71-062-122		
Mission ID: NOAA9 1606 A FAY	Teal 72-120 Takeoff		
Penetration number and time	21.97 81.00 07122		
	Teal 71		

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

Flight ID: 080616N

Time Off: 0515 Z

Time On: 1345 Z

A/C: Takeoff

Wx Station: Takeoff

A/C: Land

Wx Station: Land

Pressure

1011.4

mb

2995

mb

1011.8

mb

2992

mb

ATIS

Time

Observation

Takeoff

0500 Z

Calm A2995

Land

1155 Z

07005kt 105m Bkn 250 25/24 A2991 → A2992

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

X

Bad Drive

Cloud Physics Tapes / CDs

Video Tapes

Dropsondes

32

Good: 29 Bad: 3

AXBT

AXCP

AXCTD

Remarks:

N49RF AOC GPS Dropwindsonde Log

Flight ID 080818N

Flight Director Mayeaux

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Mission ID 0616A FAY

Storm Fay

Drop#	Channel# SONDE ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	062239114	061737	3102	7529			Winds 2			
2	062239114	061737	3102	7529			Winds 2 East (fall)			
3	062239114	062000	3102	7529			Winds 1			
3	062339098	063255	3056	7304			No Winds			
3B	062339098	063255	3056	7304			No Winds			
4	062259054	064505	2930	7300			Winds 3			
5	062259054	065708	2954	7305			Winds 1			
6	061319082	071307	2800	7502			Winds 2			
7	062419045	071707	2750	7507			Winds 1			
8	062419040	074338	2614	7700			Winds 6			
9	062249185	075527	2700	7657			Winds 2			
10	062429066	081309	2315	7528			Winds 39			
11	062249099	082737	2157	7357			Winds 10			
12	062339023	083448	2029	7331			Winds 3			
13	062249020	085154	1902	7400			Winds 1			
14	062249023	091109	1901	7630			Winds 2			
15	062249023	092043	1900	7900			Winds 2			
16	062249110	095039	1931	8130			Winds 1			
17	061419054	101046	2000	8100			East (fall)			
17B	062259041	101444	2022	8421			Winds 3			
18	062259063	102800	2131	8530			Winds 1			
19	062449030	104444	2300	8700			Winds 3			
20	062019022	105657	2345	8830			Winds 1			

Flight ID 0808/8N

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Mission ID 0616A

Storm FAY

[illegible]

N49RF AVAPS DropSonde Log

Project: Hurr 08 Flight ID: 080818n Flt Dir: Mayeaux
 Mission: FAY Flight #: 3 Status: Sys 1 ✓ Sys 2 ✓ Launcher S/N: 002

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	062249115	1	0602	0	7	DWC		N	✓
2	062339114	2	0617		2		Fast fall		✓
3	062049018	1	0620		1		B/U for drop 2		✓
4	062339098	4	0632		3 mins		Late winds		✓
5	062339054	2	0635		9		B/U for drop 3		✓
6	062259054	1	0645		3		D4		✓
7	062249311	4	0657		1		D5		✓
8	061319082	1	0713		2		D6		✓
9	061449095	2	0729		1				✓
10	062049040	1	0743		6				✓
11	062249185	4	0758		1				✓
12	061429066	1	0813		39				✓
13	061229099	2	0827		2				✓
14	062339023	1	0839		3				✓
15	062249070	2	0851		1				✓
16	062249023	1	0911		2				✓
17	062249079	2	0930		2				✓
18	062249110	1	0950		1				✓
19	061449084	2	1010		2		Fast fall		✓
20	062259041	1	1014		3		B/U for drop 17		✓
21	062259063	2	1028		1		D18		✓
22	062049030	1	1044		3		D19		✓
23	060256022	2	1056		1				✓
24	062049198	1	1120		1				✓
25	062049026	2	1139		6				✓
26	061339152	1	1159		2				✓
27	062339011	2	1214		4				✓
28	062259045	1	1235		2				✓
29	062339124	1	1249		14				✓
30	062339058	2	1303		20				✓
31	062259028	1	1317	✓	11	✓		✓	✓
32	060226394	1							
33									

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

062249270



