

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

AOCWF1

Flt ID: N050718	From: KMCF	To: KMCF
Flt No: 05-110	Blk In: 0224Z	ATA: 0214Z
ETD: 1800Z	Blk Out: 1744Z	ATD: 1757Z
ETE:	Blk Time: 8:40 (8.7)	Flt Time: 8:17 (8.3)
Sponsor Org: NHC	Program: HURR. SURV	Purpose: H. EMILY IN GULF OF MEXICO

AOC Personnel

AC: FINN	Sys Eng:
CP: ODELL	Data Sys: BROGAN
Nav:	Radar:
FE: ROTTEVEEL	GPS/BT: TONG / KERR
FD: DAMIANO	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
GOLDENBERG	HAPS	HRD
ALVARADO ALVARADO, D.	OBS	UPR CMAY

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

WDR9 1705A EMILY**N43 21Z****TEAL 00Z**
6P

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AOCWF2

Flt ID: *N050718* Time Off: *1757Z* Time On: *0214Z*

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	<i>1018.1</i>	<i>30.06 / 1017.4</i>	<i>1017.2</i>	<i>30.05 / 1017.1</i>

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	<i>1</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>28</i>	<i>27 good; 1 no launch detect + not backed up</i> <i>27 messages sent</i>

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

14
1017.2



NOAA G-IV ERROR SUMMARY
HURRICANE 2005
H. EMILY IN GULF OF MEXICO



Flight ID: N050718

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW_PITR, VNS_PITR
Accelerometer	ACINS_PITR
Temperature Probe	AT3
Dew Point Probe	DPRC
Static Pressure	PS2M
Dynamic Pressure	QC2M
Attack Angle	AKRD1
Slip Angle	SSRD2
Vert. Wind	PALT
Constants File	49cal041
Project Directory	/proj/506

Local surface observation not current or unavailable.

Notes:

There were no data gaps.

The Total Temperature #2 (TT2) probe was not available for this mission.

Dynamic sideslip pressure #1, DBP1, had erroneous output from 2121Z – 0156Z.

Dynamic sideslip pressure #2, DBP2, had erroneous output from 0152Z – 0157Z.

The erroneous output from dynamic sideslip pressure #2, DBP2, generated erroneous values for horizontal wind direction and speed (WD and WS), and vertical wind (WI).

Static pressure measured 1, PS1M, was stair-stepping at the following times: 2027Z and 2030Z.

All other instruments worked optimally during the flight.

	Takeoff	Landing
Aircraft Static Pressure	1018.1mb	1017.2mb
Corrected Tower Pressure	1017.4mb	1017.1mb

Flight Director: A. Barry Damiano (813) 828-3310 ext. 3073

N050718

VIEW-PETR, VNS-PETA

ATB

DPRC

QC2M

PS2M

AKRD1

SSRD2

NO Data Gaps

DBP1 erroneous

2121Z - 0156Z

DBP2 erroneous

0152Z - 0157Z

PSIM 2027Z - 2030Z

WI, WS, WD

0155Z - 0156Z

015725 - 015745Z

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: EMILY

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NOAA/AOML/Hurricane Research Division: July 17, 2005 12:39:48 PM
 Aircraft: N49RF Proposed takeoff: 18/1800Z

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	TIME (h:mm)
1	25 00	85 00	0:30
2	25 00	84 00	0:46
3	23 00	86 00	1:04
4	23 00	84 00	1:20
5	21 00	84 00	1:43
6	19 00	84 00	1:60
7	17 00	85 00	2:18
8	17 00	87 00	2:34
9	19 00	86 00	2:50
10	21 00	86 37	3:09
11	22 12	88 36	3:31
12	21 06	90 24	3:47
13	19 24	90 52	4:02
14	19 21	92 32	4:15
15	20 26	94 02	4:30
16	22 12	94 36	4:45
17	23 58	94 02	5:00
18	24 00	96 00	5:16
19	26 00	95 00	5:34
20	27 00	93 00	5:51
21	25 03	92 32	6:08
22	25 03	90 40	6:22
23	23 58	89 10	6:37
24	26 00	89 00	6:53
25	27 00	91 00	7:11
26	28 00	89 00	7:28
27	27 00	87 00	7:46
28	27 00	-85 00	8:01

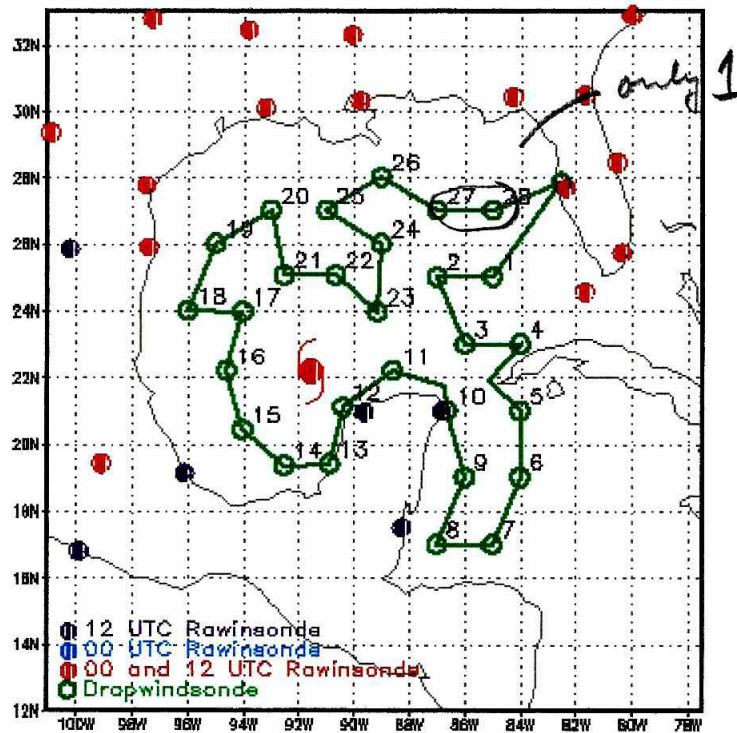
1913Z

OB 1 out

*Failed by 5 min
early*

~ 90 min from center

17Z



GADS: COLA/NEES

2005-07-17-12:38

N49RF AVAPS DropSonde Log

N49RF Project: HURRICANE 2005 Flight ID: 050718N2

Mission: CMINT Flight #: DAY 3 4 Launcher S/N: 002 Status: Sys 1 X Sys 2 X

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	043 845 151	1	1836	.3	22	RT		✓
2	043 845 265	2	1850	.2	33	BK		✓
3	043 835 101	4	1908	0	20			✓
4	044 245 108	1	1921	0	35			✓
5	044 135 305	2	1944	.3	20			✓
6	044 135 301	4	2000	0	29			✓
7	043 625 038	1	2018	.5	—		No launch detect	X
8	043 625 084	2	2028	.6	21			✓
9	044 415 104	4	2050	.3	38			✓
10	043 845 149	1	2108	.6	11			✓
11	043 845 279	2	2130	.2	60			✓
12	044 415 099	4	2147	0	30			✓
13	044 135 302	1	2202	.4	49			✓
14	043 625 079	2	2214	.5	65		Late Winds	X
15	043 845 276	4	2229	0	13			✓
16	043 835 059	1	2243	.6	22			✓
17	044 135 311	2	2258	.4	10			✓
18	043 625 006	4	2312	.3	41			✓
19	043 845 282	1	2329	0	30			✓
20	043 845 285	2	2346	0	26			✓
21	043 845 270	4	0002	.4	35			✓
22	043 845 277	1	0016	.2	43			✓
23	043 835 054	2	0030	.4	28			✓
24	043 625 116	4	0046	.5	42			✓
25	044 135 308	1	0102	.5	13			✓
26	043 845 106	2	0118	.4	38			✓
27	043 625 095	4	0133	.5	31			✓
28	043 625 105	1	0148	.6	23			✓
29								
30								
31								
32								
33								