

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

AOCWF1

Flt ID: N050717	From: KMCF	To: KMCF
Flt No: 05-108	Blk In: 0210Z	ATA: 0202Z
ETD: 1800Z	Blk Out: 1752Z	ATD: 1803Z
ETE:	Blk Time: 8:18 (8.3)	Flt Time: 7:59 (8.0)
Sponsor Org: NHC	Program: KURR. SURV	Purpose: H. Emily in W. Caribbean

AOC Personnel

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

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
GOLDENBERG, S.	HAPS	HRD
ALICO, C.	OBS	HRD / NCC

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

DOP/ ~~and~~ behaving erratically

38012
1907Z
1508Z sent
192108Z sent
TEAL 45 23Z
1925'
2254Z 85035'
109KTS
952nm
626 yds
0020Z
called NHC
for OR check

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AOCWF2

Flt ID: *N050717* Time Off: *1803Z* Time On: *0202Z*

A/C (Take Off) Wx Station (Take Off) A/C (Land) Wx Station (Land)

Pressure *1019.0* *30.10 / 1018.8* *1017.8* *30.07 / 1017.8*

Number / Data Disposition / Date / Quality

Flt Lvl Tapes *1*

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes *30* *no launch detect**4 bad ; 1 late winds**26 messages sent*

Video

Forward Left Side Right Side Down Remarks

Time On

Time Off

Rate

Remarks



NOAA G-IV ERROR SUMMARY
HURRICANE 2005
H. EMILY IN WESTERN CARIBBEAN



Flight ID: N050717

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW_PITR, VNS_PITR
Accelerometer	ACINS_PITR
Temperature Probe	AT1
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 2134Z – 0139Z.

Static pressure measured 1, PS1M, was stair-stepping at the following times:
1918Z , 1934Z, 1945Z, 2012Z, 2018Z, 2121Z, and 0149Z.

All other instruments worked optimally during the flight.

	Takeoff	Landing
Aircraft Static Pressure	1019.0mb	1017.8mb
Corrected Tower Pressure	1018.8mb	1017.8mb

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

N050717

VEW-PETR, UNS-PETR

NO DATA GAPS

ATI

DPRC

PS2M

QC2M

PALT

AKRD1

SSRD2

VNS-PETR oscillating but not
as much as VNS

DBPI erroneous

2134Z - 0139Z

PSIM start step

1918Z, 1934Z, 1945Z

2012Z, 2018Z, 2121Z, 0149Z

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: EMILY

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 17/1800Z

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DROP LOCATIONS

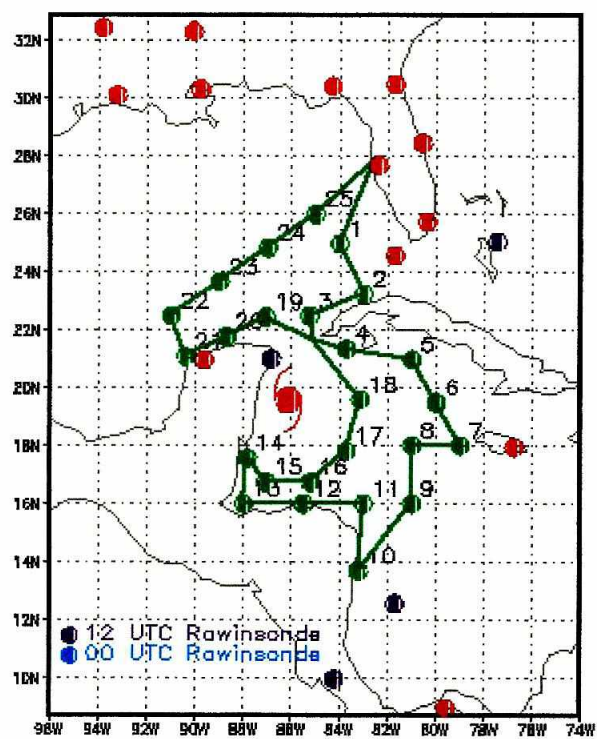
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#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
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1	25 00	84 00		0:36
2	23 15	83 00		0:52
3	22 30	85 15		1:10
4	21 22	83 43		1:27
5	21 00	81 00		1:48
6	19 30	80 00		2:03
7	18 00	79 00		2:17
8	18 00	81 00		2:33
9	16 00	81 00		2:49
10	13 42	83 12		3:14
11	16 30	85 00		3:33
12	16 00	85 30		3:53
13	16 00	88 00		4:12
14	17 35	87 51		4:25
15	16 45	87 05		4:34
16	16 45	85 13		4:49
17	17 50	83 43		5:04
18	19 36	83 09		5:19
19	22 27	87 05		5:58
20	21 47	88 44		6:11
21	21 06	90 24		6:25
22	22 30	91 00		6:37
23	23 40	89 00		6:55
24	24 50	87 00		7:13
25	26 00	85 00		7:30

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GrADS: COLA/IRIS

2005-07-18-10:50

30 6 bad

N49RF AVAPS DropSonde Log

N49RF Project: HURRICANE 2005

Flight ID 65 0717N

Mission: EMILY

Flight #: 2

Launcher S/N: 002

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	043 835 018	1	1840	0	19	BK		☒
2	044 135 265	2	1857	.3	24			☒
3	044 245 018	4	1915	.3	33			☒
(4)	044 135 259	1	1933	.6	22			☒
5	044 245 012	2	1954	.3	—		No launch detect	☒
6	044 245 015	3	1955	.4	24		Backup for drop 5	☒
7	044 135 257	4	2008	.3	21			☒
8	044 245 017	1	2023	.5	~90		Late winds	☒
9	042 815 029	2	2024	.6	—		Backup for drop 8 - No telemetry	☒
10	043 625 094	3	2037	.6	27			☒
11	044 245 026	4	2052	.5	72		Late winds	☒
12	044 135 266	1	2056	.4	29		Backup for drop 11	☒
13	044 245 019	2	2117	.4	26			☒
14	044 135 258	3	2135	.7	37			☒
15	044 135 261	4	2153	.6	51			☒
16	044 245 013	1	2214	.4	31		Winds in + out for first 120 sec	☒
17	044 245 020	2	2226	.6	52			☒
18	034 135 059	3	2236	-0.5	25			☒
19	044 135 264	4	2251	.5	17			☒
(20)	044 245 063	1	2306	.5	24			☒
(21)	043 845 134	2	2321	.3	—		No launch detect	☒
(22)	044 245 027	3	2322	.3	—	backup for drop 21	Winds on L5, not on R5	☒
(23)	043 835 113	1	0000	.6	34			☒
(24)	044 245 022	2	0014	.6	33			☒
(25)	042 815 260	4	0028	.9	36			☒
(26)	044 245 024	1	0040	.5	—		No Winds	☒
(27)	044 245 100	2	0041	.4	39		Backup for drop 26	☒
(28)	044 245 028	4	0056	.4	25			☒
(29)	044 245 098	3	0113	.3	28			☒
(30)	044 245 023	1	0130	.5	43			☒
31								
32								
33								

? CHANNEL 3 WINDS ?