



NOAA G-IV ERROR SUMMARY
HURRICANE 2005
TD #3 IN GULF OF MEXICO



Flight ID: N050704

<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	PS2C
Dynamic Pressure	QC2C
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.

There were jumps in PS1M values (193725Z – 194147Z) during the flight so PS2M was selected.

The Aeronomy Lab CO probe deicing failed at around 2230Z in clear to scattered cirrus sky.

All other instruments worked optimally during the brief flight.

	Takeoff	Landing
Aircraft Static Pressure	1019.2mb	1020.1mb
Corrected Tower Pressure	1019.5mb	1020.1mb (KTPA)

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

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

AOCWF-1

Flt ID: N050704	From: KMCF	To: KMCF
Flt No: 05-099	Blk In: 0242Z	ATA: 0233Z
ETD: 1800Z	Blk Out: 1802Z	ATD: 1813Z
ETE:	Blk Time: 8:40 (8.7)	Flt Time: 8:20 (8.3)
Sponsor Org: NHC	Program: HURR. SURV	Purpose: TD#3 IN SOUTH GULF OF MEXICO

AOC Personnel

AC: POSTON	Sys Eng:
CP: HAGAN	Data Sys: BROGAN
Nav:	Radar:
FE:	GPS/BT: CARPENTER / TONG
FD: DAMIANO	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
ABERSON, S.	HAPS	HRD

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

NOAA 0303A CYCLONE**TEAL 10 STEVE REDWICK****omit #23 and
move #21 north to latitude
of #20**

Temp 12
inlet - **35°C** only
settable **25°C**
-52°C outside
from G. Huber at 1:40 pm

**FD Logger
not logging**

AL ^{probe} Latching failed
CLR - SET CTR ~2230Z

ATN**PS2
air**

0833

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center					AOCWF2
Flt ID: <i>N050704</i>		Time Off: <i>1813Z</i>		Time On: <i>0233Z</i>	
A/C (Take Off)		Wx Station (Take Off)		A/C (Land)	
Pressure		<i>30.12 / 1019.5</i>		<i>1020.1</i>	
<i>1019.2</i>		<i>30.14 / 1020.1</i>			
Number		Data Disposition / Date / Quality			
Flt Lvl Tapes		<i>1</i>			
Radar Tapes					
Cloud Physics Tapes					
Video Tapes					
AXBT					
AXCP					
AXCTD					
Dropsondes		<i>25</i>			
		<i>25 messages sent; OBT sent twice due to SATCOM problems</i>			
		<i>2 sondes lost winds at 13K + 12K</i>			
Video					
	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					
Remarks <i>30.13</i>					

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: XXXX

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NOAA/AOML/Hurricane Research Division: July 03, 2005 1:25:33 PM
Aircraft: N49RF Proposed takeoff: 04/1800Z

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DROP LOCATIONS

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#	LAT (d m)	LON (d m)	TIME (h:mm)
1	30 09	-86 20	0:35
2	29 00	-88 00	0:51
3	27 00	-87 00	1:09
4	27 00	-89 00	1:24
5	28 00	-91 00	1:42
6	25 21	-90 04	2:04
7	25 21	-91 56	2:19
8	27 00	-93 00	2:35
9	28 33	-95 43	2:59
10	26 00	-95 00	3:21
11	24 16	-93 26	3:39
12	22 30	-94 00	3:54
13	24 00	-96 00	4:14
14	23 00	-97 37	4:29
15	21 00	-97 00	4:47
16	19 00	-95 00	5:09
17	20 44	-95 26	5:28
18	19 39	-91 56	5:43
19	19 40	-90 43	5:53
20	21 33	-88 49	6:17
21	21 00	-86 37	6:42
22	23 00	-86 00	6:59
23	22 30	-88 00	7:16
24	24 16	-88 34	7:31
25	25 00	-86 00	7:52
26	27 00	-85 00	8:10

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N49RF AVAPS DropSonde Log

25 26M

N49RF Project: HURRICANE

Flight ID: 850704N

Mission: TD3

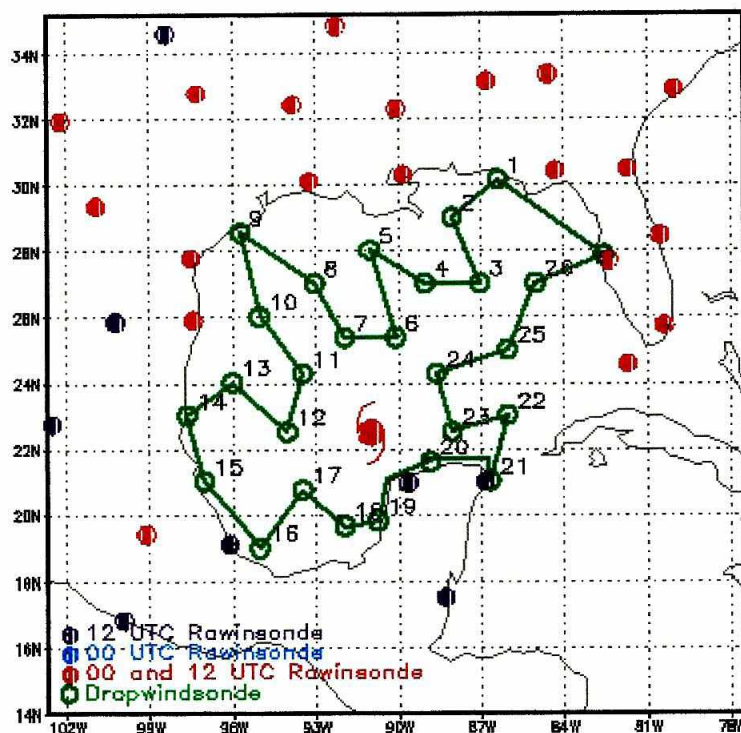
Flight #: 1

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	042 215 069	1	1857	-	82	RT	LATE WINDS	
2	042 215 072	2	1914	-	2			✓
3	042 115 169	3	1932	-	53			✓
4	042 215 088	1	1946	.3	30			✓
5	032 815 009	2	2003	-1.6	60			✓
(6)	042 115 163	3	2025	.3	8			✓
7	033 048 011	1	2036	-1.7	25			✓
8	042 215 070	2	2052	0	20			✓
9	042 215 003	3	2115	.3	51			✓
10	042 215 093	1	2130	.3	30			✓
11	041 715 010	2	2150	0	29			✓
(12)	042 215 053	1	2212	.3	46			✓
13	042 215 067	3	2230	0	18			✓
14	042 215 030	1	2246	.3	78		LATE WINDS	
15	042 115 178	2	2302	0	31			✓
16	042 715 005	3	2325	0	14			✓
17	043 625 015	1	2343	.4	10			✓
18	042 115 192	2	2358	.3	43			✓
19	043 625 037	3	0008	.4	28			✓
20	043 625 040	1	0033	.3	40			✓
21	042 715 125	2	0050	.3	36			✓
22	042 115 150	3	0102	0	22			✓
23	042 115 008	1	0123	0	27			✓
24	043 625 029	2	0142	.4	31			✓
25	042 815 126	3	0200	.5	36			✓
26								
27								
28								
29								
30								
31								
32								
33								



GADS: COLA/16ES

2005-07-03-13:25