

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

AOCWF

Flt ID: N060827	From: TBPPB	To: KMCF
Flt No: 06 - 092	Blk In: 0147Z	ATA: 0137Z
ETD: 1745Z	Blk Out: 1726Z	ATD: 1740Z
ETE:	Blk Time: 8:21 (8.4)	Flt Time: 7:57 (8.0)
Sponsor Org: NHC	Program: HURR SURV	Purpose: HA ERNESTO

AOC Personnel

AC: FINN	Sys Eng: SMITH
CP: ODELL / LONGENECKER	Data Sys: CARPENTER
Nav:	Radar:
FE: KITSON	GPS/BT: RASCO
FD: DAMIANO	Cld Phys:
Avionics:	PARRISH

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DUNTON	ASPEN	NRD

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

No drop at Pt 16 due to fuel constraints

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AOCWF2

Flt ID: *N060827* Time Off: *1740z* Time On: *0137z*

A/C (Take Off)

Wx Station (Take Off)

A/C (Land)

Wx Station (Land)

Pressure

*1006.0**1012.0**1013.9*~~*29.96*~~ (*1013.5*)

Number

Data Disposition / Date / Quality

29.96

Flt Lvl Tapes

1

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes

*17**all UBLOX; all good; NHC
17 messages sent*

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks



NOAA G-IV ERROR SUMMARY

HURRICANE 2006

TS ERNESTO OVER SW HAITI



Flight ID: N060827

<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	PS2C
Dynamic Pressure	QC2C
Attack Angle	AKRD1
Slip Angle	SSRD1
Vert. Wind	PALT
Constants File	49cal061
Project Directory	/proj/605

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.

All other instruments worked optimally during the flight.

	Takeoff	Landing
Aircraft Static Pressure	1006.0mb	1013.9mb
Corrected Tower Pressure	1008.0mb	1013.5mb

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

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN:

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 27/1800Z
=====

DROP LOCATIONS

#	LAT (d m)	LCN (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	15 00	76 21		2:25
2	16 10	74 16		2:42
3	16 50	72 11		2:59
4	17 29	70 05		3:16
5	18 09	68 00		3:33
6	20 09	71 00		4:04
7	23 09	73 30		4:23
8	22 00	71 00		4:48
9	24 00	71 00		5:24
10	26 00	73 00		5:21
11	25 00	73 00		5:37
12	27 00	72 00		5:54
13	26 00	75 00		6:10
14	24 00	75 00		6:27
15	22 00	75 00		6:43
16	21 52	73 51		6:57
17	24 00	77 00		7:15
18	23 17	79 52		7:37

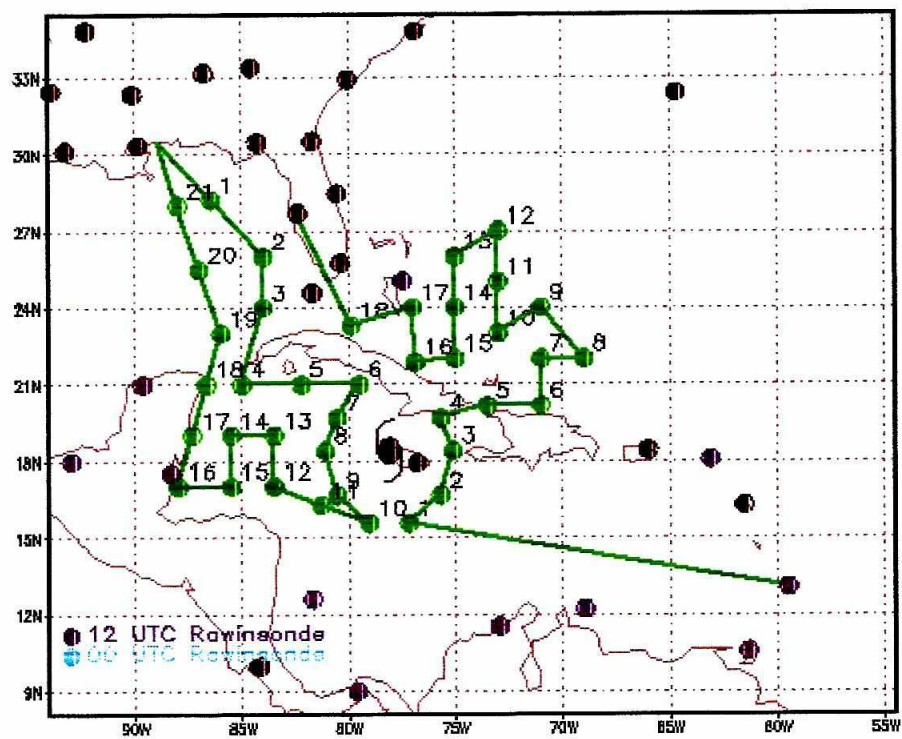
no drop

possible ship 4+5

from drop #3

to drop #6

Test 40



N49RF AVAPS DropSonde Log

Project: Hurr '06 Flight #: 060827h

Mission: ERNESTO Flight #: 1 Status: Sys 1 ☒ Sys 2 ☒ Launcher S/N: 02

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	053 166 101	1	1956	Ø	1	DWC	OK	N	✓
2	053 116 251	2	2013	Ø	1				✓
3	053 416 142	1	2030	Ø	2				✓
4	053 416 145	(2)	2047	Ø	4		lost signal/on RS-good on LS		✓
5	053 116 148	1	2103	Ø	0		OK		✓
6	053 116 258	1	2134	Ø	1				✓
7	053 416 138	2	2153	Ø	3				✓
8	053 116 165	1	2215	Ø	2				✓
9	053 416 146	2	2230	Ø	1				✓
10	053 166 103	1	2247	Ø	7				✓
11	053 116 018	2	2302	Ø	2				✓
12	053 166 002	1	2317	Ø	1				✓
13	053 416 380	(2)	2332	Ø	1		lost signal/on RS-good on LS		✓
14	053 116 261	1	2348	Ø	3		OK		✓
15	053 166 125	3	0003	Ø	3				✓
16	051 946 040	1	0024	Ø	2				✓
17	053 416 248	1	0045	Ø	1				✓
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\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS