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

AOCWF

Flt ID: N060828	From: KMCF	To: KMCF
Flt No: 06 – 93	Blk In: 0154	ATA: 0145Z
ETD: 1800Z	Blk Out: 1739Z	ATD: 1748Z
ETE:	Blk Time: 8:15 (8.3)	Flt Time: 7:57 (8.0)
Sponsor Org: NHC	Program: HURR. SURV	Purpose: TS ERNESTO OVR E. CUBA

AOC Personnel

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

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
BLACK, M.	ASPEN	HRD

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #) 29.97 3 / 25

TEAL 16 NOAA9 1205A ERNESTO

Did not drop at pt 13 due to close proximity of storm center + Teal 16 in the area

revised drop sequence 12–18–17–14–15–16–19 continued flt plan

2243Z AFT DSN failed ... restart WINDS

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

AOCWF2

Flt ID: N606828	Time Off: 1748Z	Time On: 0145Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1014.2	29.95	1013.5	~~29.95~~ 29.94

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	1	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	25	All UBLOX for NHC; all good
		25 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 EASTERN CUBA

Flight ID: N060828

Sensor or system	Number or Name
INE (for wind derivation)	VEW, VNS
Accelerometer	ACINS
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.

Due to the AFT DSN dropping off line from 223723Z – 224614Z, INE2 (_PITR) output was not used for meteorological derivations.

All other instruments worked optimally during the flight.

	Takeoff	Landing
Aircraft Static Pressure	1014.2mb	1013.5mb
Corrected Tower Pressure	1014.1mb	1013.4mb

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: 28/1800Z

NOAA 9 1205A ERNESTO

TEAL 16

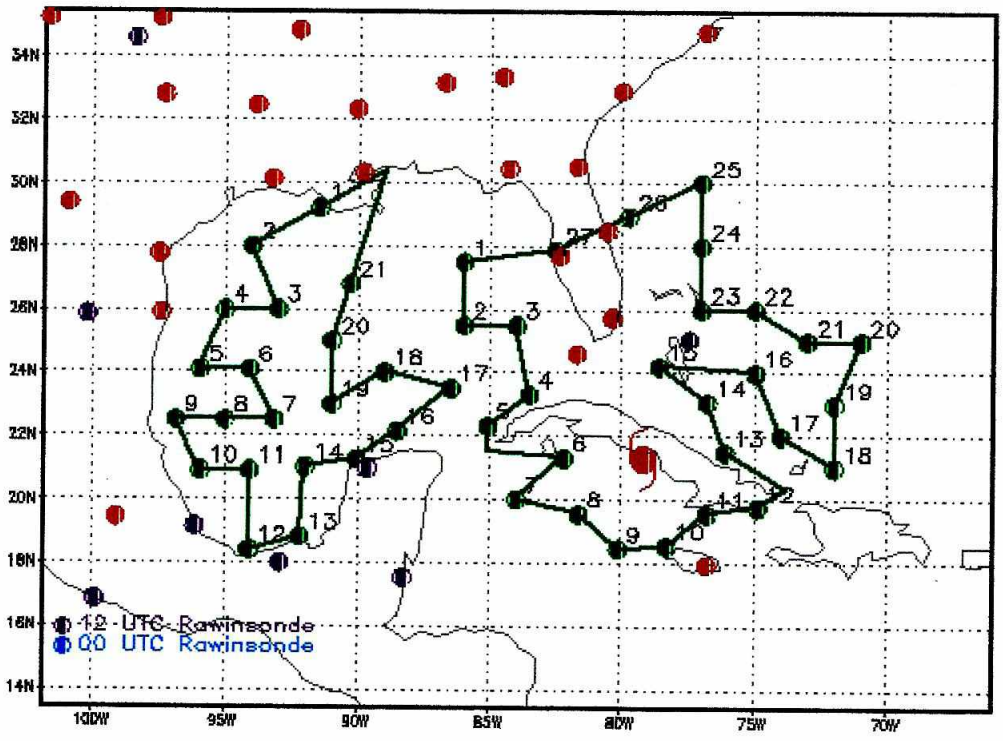
departing 00Z

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	~~27 30~~	~~86 00~~		0:35
2	~~25 30~~	~~86 00~~		0:52
3	~~25 30~~	~~84 00~~		~~1:06~~
4	~~23 18~~	~~83 30~~		~~1:25~~
~~5~~	~~22 18~~	~~85 06~~		~~1:39~~
~~6~~	~~21 18~~	~~82 12~~		~~2:08~~
~~7~~	~~20 00~~	~~84 00~~		~~2:25~~
~~8~~	~~19 32~~	~~81 38~~		~~2:44~~
~~9~~	~~18 27~~	~~80 08~~		~~2:58~~
~~10~~	~~18 31~~	~~78 17~~		~~3:13~~
~~11~~	~~19 32~~	~~76 46~~		~~3:27~~ → 19°13' 76°35'
~~12~~	~~19 45~~	~~74 53~~		~~3:42~~
13	21 30	76 06		4:11 skipped
~~14~~	~~23 04~~	~~76 46~~		~~4:25~~
~~15~~	~~24 12~~	~~78 36~~		~~4:41~~
~~16~~	~~24 00~~	~~75 00~~		~~5:00~~
~~17~~	~~22 00~~	~~74 00~~		~~5:26~~
~~18~~	~~21 00~~	~~72 00~~		~~5:43~~
~~19~~	~~23 00~~	~~72 00~~		~~6:00~~
~~20~~	~~25 00~~	~~71 00~~		~~6:18~~
~~21~~	~~25 00~~	~~73 00~~		~~6:33~~
~~22~~	~~26 00~~	~~75 00~~		~~6:49~~
~~23~~	~~26 00~~	~~77 00~~		~~7:04~~
24	28 00	77 00		7:20
25	30 00	77 00		7:37
26	28 55	79 46		7:58

21.3 21Z
76.9

www.bahamasweather.org.bs/radar


34N
32N
30N
28N
26N
24N
22N
20N
18N
16N
14N
100W
95W
90W
85W
80W
75W
70W
12 UTC Rawinsonde
00 UTC Rawinsonde
GrADS: COLA/IGES
2006-08-27-08:43

Sim Aberson <Sim.Aberson@noaa.gov>

Sent Monday, August 28, 2006 8:26 am

To Jack.R.Parrish@noaa.gov , A.Barry.Damiano@noaa.gov , Michael.Black@noaa.gov

Cc

Bcc

Subject Potential track changes

It looks like you guys might be getting very close to the storm on the east side. It point 13 is indeed within 111 km, you can modify the track by going 12 - 18 - 17 - 14 - 15 - 16 - 19. This might save you some time, but probably not much. But, it will keep you away from the storm.

I'll be on x-chat this afternoon. I found one problem sonde yesterday by plotting the data, and Jason corrected it.

Sim

132.3

Tenl 16

2126Z

21°32'

76°52'

50 NM

22N 77W

N49RF AVAPS DropSonde Log

Project: HURRICANE'06 Flight ID: 060828N

Mission: ERNESTO Flight #: 2 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	051 946 041	1	1816	0	10	CR	1		✓
2	053 416 335	3	1832	0	7		2		✓
3	051 946 038	1	1847	0	11		3		✓
4	053 166 182	3	1904	0	9		4		✓
5	053 166 186	1	1919	0	8		5		✓
6	053 166 031	1	1946	0	10		6		✓
7	053 166 187	3	2002	0	11		7		✓
8	053 166 099	1	2020	0	10		8		✓
9	053 166 252	3	2035	0	9		9		✓
10	053 116 146	1	2050	0	13		10		✓
11	053 166 047	3	2105	0	8		11		✓
12	053 166 124	1	2119	0	9		12		✓
13	053 166 032	1	2141	0	9		13		✓
14	053 166 258	3	2158	0	10		14		✓
15	053 166 058	1	2221	0	10		15		✓
16	053 166 096	3	2235	0	9		16		✓
17	053 166 022	1	2301	0	11		17		✓
18	053 166 085	1	2325	0	9		18		✓
19	053 166 030	3	2342	0	12		19		✓
20	053 166 057	1	2356	0	10		20		✓
21	053 166 020	3	0012	0	11		21		✓
22	053 166 265	1	0025	0	11		22		✓
23	053 166 262	3	0041	0	20		23		✓
24	053 156 054	1	0056	0	9		24		✓
25	053 416 043	3	0114	0	9		25		✓
26									
27									
28									
29									
30									
31									
32									
33									

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