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

AOCWF1

Flt ID: N050807	From: TBPB	To: TBPB
Flt No: 05-116	Blk In: 2204Z	ATA: 2202Z
ETD: 1500Z	Blk Out: 1439Z	ATD: 1447Z
ETE:	Blk Time: 7:25 (7.4)	Flt Time: 7:15 (7.3)
Sponsor Org: HRD	Program: SALEX	Purpose: TD#9 IN CENTRAL ATL

AOC Personnel

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

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DUNION	PI/HAPS	HRD

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

Lost MADS right after T/O T-5 1545Z

1446332 - 1456062 DATA GAP

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AOCWF2

Flt ID: N050807	Time Off: 1447Z	Time On: 2202Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1008.3		1006.8	

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	#2	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	30	25 good; 5 bad → 2 no Temp+RH; 26 messages sent; SATCOM very good

Video

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

Remarks

WX 09A [redacted] IRENE

NOAA G-IV ERROR SUMMARY
SALEX PROJECT
FLIGHT #1

Flight ID: N050807

Sensor or system	Number or Name
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	SSRD2
Vert. Wind	PALT
Constants File	49cal041
Project Directory	/proj/506

Local surface observation not current or unavailable.

Notes:

There was a data system problem shortly after takeoff. This glitch generated a time/data gap from 144632Z – 145539Z.

Thirty dropsondes were deployed.

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

All instruments worked optimally during the brief flight.

	Takeoff	**Landing**
Aircraft Static Pressure	1008.3mb	1006.8mb
Corrected Tower Pressure	NA	NA

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

N050807

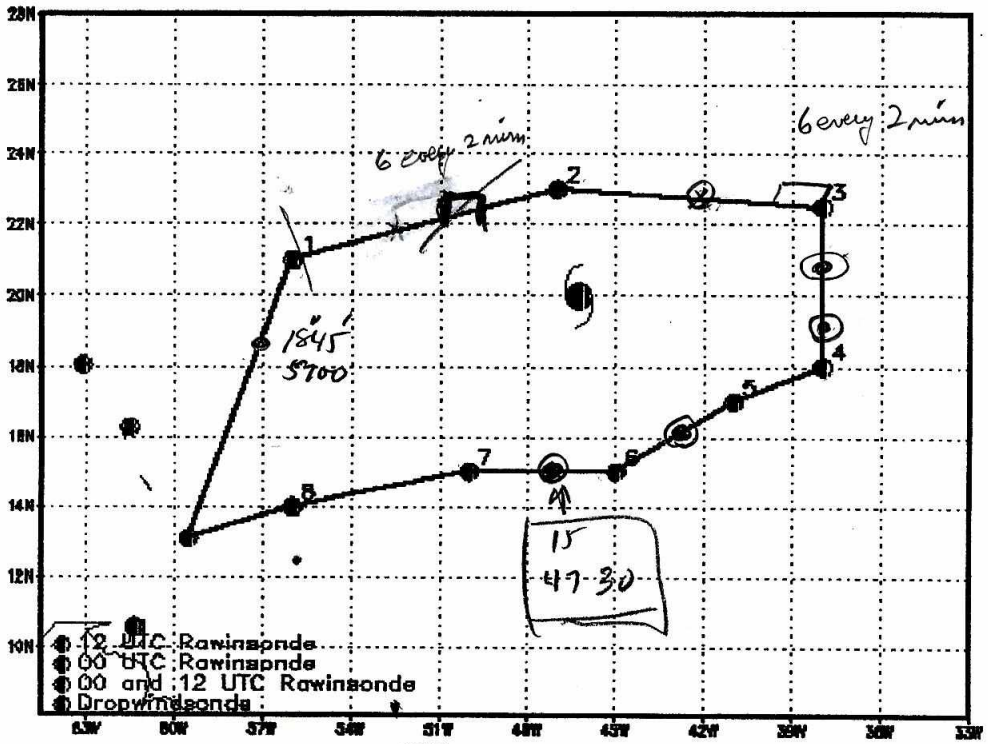
~~VEW, VNS~~ VEW_PITR, VNS_PITR

DPRC
AT3 (TT3)
PS2M
QC2M
AKRD1 TAS2

SSRD2

DATA GAP 145539Z
144632Z - ~~145006Z~~

NO WP3 or WNS_PITR output
This was caused by the 20 minute data gap.



2230
21
1930
2?3
18
500
2130
21
21
1930
18

5215

between 51450

start at
41 1.5 degree

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: CYCLONE

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 07/1500Z

TRACK DISTANCE TABLE

#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	BARBADOS			0.	0.	0:00
1	21 00	56 00		518.	518.	1:20
2	23 00	41 00		516.	1033.	2:30
3	22 30	38 00		500.	1533.	3:38
4	19 00	38 00		270.	1803.	4:15
5	17 00	41 00		182.	1986.	4:40
6	15 00	45 00		260.	2246.	5:15
7	15 00	50 00		290.	2536.	5:54
8	14 00	56 00		354.	2891.	6:42
9	BARBADOS			212.	3102.	7:21

5/30

N49RF AVAPS DropSonde Log

N49RF Project: SALEX '05 Flight ID 050807n

Mission: T09 Flight #: 1 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	01.0715 151	1	1540	-.7	22	RT	LOST WINDS	—
2	010 748 100	2	1543	-.5	28		BCKUP	
3	016 715 149	3		-.3	34			✓
4	034 325 025	4	1627	-.6	26			✓
5	011 218 006	1	1630	-.6	36			✓
6	010 748 091	2	1633	-.4	38		LOST WINDS	—
7	034 325 119	3	1636	-1.4	38			✓
8	038 048 032	5	1639	-1.6	32	DC	Lost winds	✓
9	042 115 165	6	1642	0	43	DC		✓
10	010 748 105	8	1711	-.3	—	DC	NO L.D.	—
11	011 245 055	1	1711	-1.4	36	RT		✓
12	034 323 166	1	1744	-1.4	22			✓
13	010 748 102	2	1758	.6	22			✓
14	034 113 024	4	1759	-2.1	40			✓
15	010 748 103	5	1802	0	70	DC	Late winds	✓
16	034 323 169	6	1806	-1.6	23	DC		✓
17	010 715 216	8	1809	0	28	DC		✓
18	016 748 095	1	1813	-.3	—	RT	NO WINDS PTH	—
19	034 323 185	2	1816	-1.5	70		LATE WINDS	✓
20	034 135 034	4	1829	-1.0	28			✓
21	034 323 181	5	1842	-1.5	22			✓
22	010 715 148	1	1855	0	22			✓
23	010 719 206	2	1919	-.8	50			✓
24	011 218 003	4	1938	-.6	66		LATE WINDS	✓
25	051 926 123	1	1956	0	22			✓
26	043 615 022	2	2016	+.4	22			✓
27	011 245 056	4	2031	-1.2	65		LATE WINDS PTH	—
28	011 218 010	1	2031	-.6	28			✓
29	011 218 008	1	2100	-.6	28			✓
30	003 815 107	1	2125	-1.4	46			✓
31								
32			CHARGE		ALL	TO HRD		
33								