

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

AOCWF1

Flt ID: N050808	From: TBPB	To: TBPB
Flt No: 05-117	Blk In: 2150Z	ATA: 2146Z
ETD: 1500Z	Blk Out: 1440Z	ATD: 1448Z
ETE:	Blk Time: 7:10 (7.2)	Flt Time: 6:58 (7.0)
Sponsor Org: HRD	Program: SALEX	Purpose: TD IRENE

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
DUNTON	PI / HAPS	HRD

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

1810Z pursuing SE of Irene on max 50-75nm
-3 tilt showing green → red to right
of track. no visual of CBS
-2 tilt showing curved band of
green → red to rt of track

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AOCWF2

Flt ID: *N050808* Time Off: *1448Z* Time On: *2146Z*

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	<i>1008.6</i>		<i>1007.5</i>	

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	<i>1</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>24</i>	<i>23 good; 1 no winds</i> <i>23 messages sent</i>

Video

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

Remarks



NOAA G-IV ERROR SUMMARY
SALEX PROJECT
FLIGHT #2



Flight ID: N050808

<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	SSRD2
Vert. Wind	PALT
Constants File	49cal041
Project Directory	/proj/506

Local surface observation not current or unavailable.

Notes:

There were no data gaps.

Twenty-four dropsondes were deployed.

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

The radar altimeter, HGM232, produced erroneous output during the time frame 150322Z – 151027Z.

All other instruments worked optimally during the brief flight.

	Takeoff	Landing
Aircraft Static Pressure	1008.6mb	1007.5mb
Corrected Tower Pressure	NA	NA
Flight Director:	A. Barry Damiano	(813) 828-3310 ext. 3073

N050808

NO DATA GAPS

VIEW_PETR, WNS_PETR

~~FT3~~ AT3

DPRC

PS2M

QC2M

THS2

AKRD1

SSRD2

RA232 erroneous

150322 - 1510277

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: CYCLONE

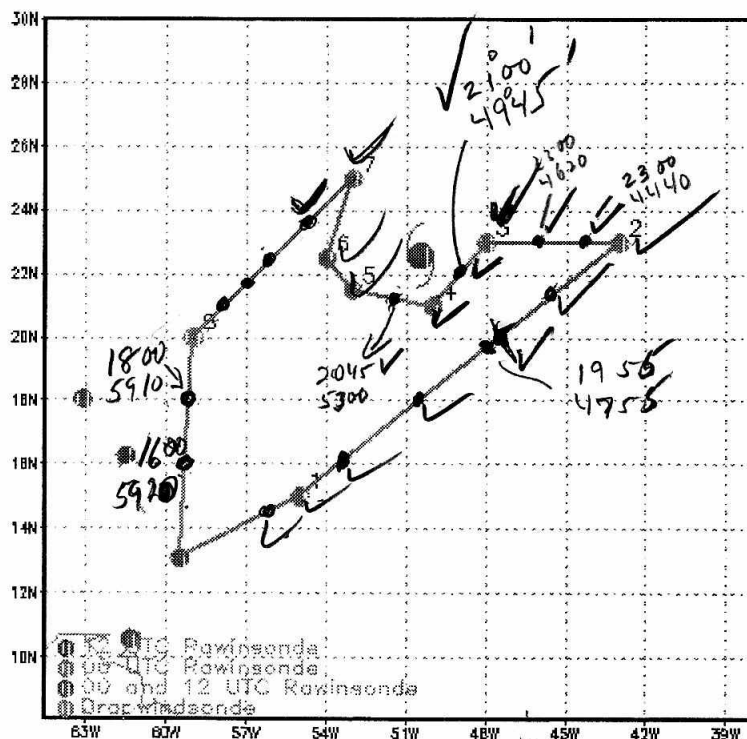
Prepared by the Hurricane Research Division File: current1.ftk

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

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	15 00	55 00		0:49
2	23 00	43 00		2:42
3	23 00	48 00		3:20
4	21 00	50 00		3:42
5	21 30	53 00		4:05
6	22 30	54 00		4:16
7	25 00	53 00		4:38
8	20 00	59 00		5:39



.67
 60
 4020

138
 2
 276

44 3/0

4620



GRADE: COLA/16ES

2005-08-08-08:53

pt 7	2500	5530 ✓	
17	2400	5600 ✓	1.5
18	2230	5700 ✓	
19	2130	5800 ✓	
pt 8	2000	5900 ✓	
	1800	5908 ✓	
	1600	5920 18 ✓	
	1500	5922 27 ✓	

1866
 3
 498

22.2
 5000

WX09A IRFENE

N49RF AVAPS DropSonde Log

N49RF Project: SAGEY '05

Flight ID 05 0808n

Mission: TD IRENE 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	002 615 503	1	1520	0	22	AT		✓
2	002 525 201	2	1530	0	20			✓
3	002 615 510	3	1544	0	24			✓
4	002 615 501	4	1610	0	90		LATE WINDS	✓
5	042 815 231	1	1640	+3	40			✓
6	002 615 522	2	1703	0	-		NO WINDS	✓
7	002 525 245	7	1705	0	28			✓
8	002 525 233	1	1724	0	41			✓
9	043 615 190	2	1736	+4	22			✓
10	002 615 520	3	1749	0	27			✓
11	002 525 247	1	1801	0	32			✓
12	044 415 107	2	1824	0	42			✓
13	042 825 013	3	1845	0	18			✓
14	034 618 042	1	1858	-1.8	57			✓
15	002 525 232	2	1912	-3	02		Late winds	✓
16	002 615 514	3	1930	0	40			✓
17	051 926 126	1	1950	+3	46			✓
18	034 325 142	2	1959	-1.6	38			✓
19	003 115 511	3	2015	0	22			✓
20	002 615 508	4	2025	0	36			✓
21	002 615 596	1	2041	0	22			✓
22	034 115 074	2	2057	0	22			✓
23	034 135070	3	2112	-1.1	10			✓
24	002 615 539	1	2121	0	20			✓
25								
26								
27								
28								
29			CHARGE ALL TO HAD					
30								
31								
32								
33								