

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 050927N	From: #. TBPR TBPR	To: TBPR
Flt No: 05 - 149	In: 2203 ³	On: 2201 Z
ETD: 15 Z	Out: 1447 z ¹³	Off: 14582
ETE: 7 + 00	Blk Time: 7 + 16 (7.3 Hrs)	Flt Time: 7 + 03 (7.1 Hrs)
Sponsoring Org: NOAA/H2D	Program: SALEX	Purpose: INVEST

AOC Flight Crew

Aircraft Commander: FINKE	Data System: BACAN
Co-Pilot: FINN / HAGAN	AVAPS:
Navigator: /	System Engineer: HILL
Flight Eng: /	AA:
Flight Director: FLAHERTY	PM PM PARRISH
Avionics: CARPENTER	Crew Chief: KITSEN

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
DUNN, J	PI	H2D
BRADLEY, L	VIS	U.S. EMBASSY

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix #

Fix Time

Storm Name:

Mission ID: WXWXA TRAN

U.S. DEP'T OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID:	050927N	TIME OFF:	1458	Z	TIME ON:	2201	Z
	A/C - Takeoff	WX Station - Takeoff	A/C - Land	WX Station - Land			
Pressure	1008.5	1					
ATIS - Takeoff							
ATIS - Land							
Data Source	Number	Data Disposition / Date / Quality					
Flight Level Tapes							
Radar Tapes							
Cloud Physics Tapes / Cds							
Video Tapes							
Dropsondes	33	Good:	23	Bad:	10	Total:	
AXBT							
AXCP							
AXCTD							
SONOBUOY							

REMARKS:

T/O 1300 11012KT 10SM 31/24 Q1015

LAND 2100Z 11011KT 10SM 30/21 Q1012 H2



NOAA G-IV
Hurricane 2005
HRD - SALEX
TBPB - TBPB



Flight ID: 050927n

Sensor or system

Inertial (for wind derivation)

Temperature /Dew Point

Static and Dynamic Pressure

Directory / Constants File

Number or Name

VEW_PITR/VNS_PITR

AT1/DPRC

PS2C/QC2C

506/49cal032

Notes:

There were no time/data glitches during this flight.

All instruments worked properly (not including the sondes).

33 dropsondes were deployed. 10 sondes were bad.

	Takeoff	Landing
Aircraft Static Pressure	1008.5 mb	n/a mb

STATION INFORMATION

1300Z 11012KT 10SM 31/24 Q1015

2100Z 11011KT 10SM 30/24 Q1012

Flight Director:	Paul Flaherty
Phone #:	(813) 828-3310 ext. 3094

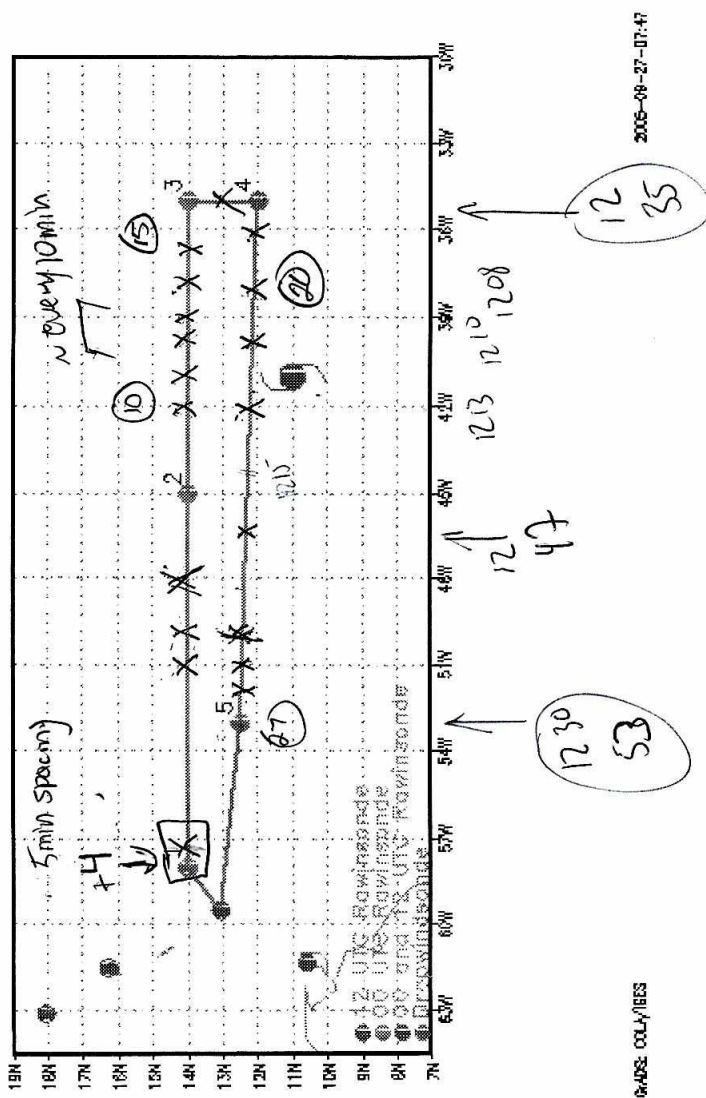
N49RF AVAPS DropSonde Log

N49RF Project: Hurricane '05 Flight ID 050927N

Mission: Salex 2 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	000 715 068	1	1515	0	—	DWC	No winds	
2	000 715 078	2	1517	0	20		b/u for drop #1	✓
3	000 745 020	4	1522	-.4	12		OK 2	✓
4	000 715 081	3	1527	.8	19		OK 3	✓
5	011 345 106	1	1547	-.7	—		No winds 4	
6	000 715 082	2	1548	0	22		b/u for drop #4	✓
7	000 745 061	1	1609	0	—		No winds 5	
8	000 715 098	2	1610	0	24		b/u for drop #5	✓
9	000 715 071	4	1616	0	20		lost winds @ 1800 6	✓
10	000 715 069	1	1632	0	—		No winds	
11	002 638 089	2	1633	-.6	20		b/u for drop #7	✓
12	000 745 089	1	1656	0	—		No winds	
13	000 715 080	2	1657	0	23		b/u for drop #8	✓
14	000 745 074	2	1720	0	24		OK 9	✓
15	000 745 112	4	1730	0	12		OK 10	✓
16	000 745 069	1	1740	0	—		No winds 11	
17	000 715 058	2	1741	0	26		b/u for drop 11	✓
18	000 745 115	4	1750	0	15		OK 12	✓
19	000 715 046	2	1800	0	24		13	✓
20	003 115 161	4	1810	0	48		14	✓
21	000 715 038	2	1819	0	33		15	✓
22	012 615 148	5	1827	0	26		16	✓
23	012 258 002	4	1834	0	30		17	✓
24	012 1615 154	2	1842	0	69		Late winds 18	✓
25	001 115 017	4	1858	-.5	35		OK 19	✓
26	011 355 001	2	1914	0	26		20	✓
27	012 245 181	4	1930	-1.1	37		21	✓
28	012 225 205	1	2009	0	27		22	✓
29	012 225 066	3	2033	0	64		23	✓
30	012 525 008	2	2042	0	39		24	✓
31	011 345 105	4	2050	0	7		25	✓
32	012 615 146	1	2059	0	3:42		Late winds 26	✓
33	000 745 033	3	2101	0			b/u for drop #26	✓

No winds on Ch 1 - swapped MWG card from L5 Ch & charge all to HRD



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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: SALEX

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 27/1530Z

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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	14 00	58 00		104.	104.	0:24
2	14 00	45 00		758.	862.	2:07
3	14 00	35 00		583.	1445.	3:26
4	12 00	35 00		120.	1565.	3:43
5	12 30	53 00		****	2623.	6:06
6	BARBADOS			382.	3005.	7:08

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	14 00	58 00		0:24
2	14 00	45 00		2:07
3	14 00	35 00		3:26
4	12 00	35 00		3:43
5	12 30	53 00		6:06