

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

AOCWF

Flt ID: N060826	From: TBPB	To: TBPB
Flt No: 06-91	Blk In: 2121Z	ATA: 2119Z
ETD: 1500Z	Blk Out: 1441Z	ATD: 1450Z
ETE:	Blk Time: 6:40 (6.7)	Flt Time: 6:29 (6.5)
Sponsor Org: HRD	Program: SALEX	Purpose: FLT #2 TD DERRY

AOC Personnel

AC: FINN	Sys Eng: SMITH
CP: ODELL / LONG 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
DUNTON	PI	HRD
ABERSON	ASST. PI	HRD
HAWKINS	ASST. PI	NRL MONTEREY

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

1014

DPB2 failed 1755Z switching to SSRD1 for SLIP

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AOCWF2

Flt ID:	<i>N060826</i>	Time Off:	<i>1450z</i>	Time On:	<i>2119z</i>
	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)	
Pressure	<i>1008.2</i>	<i>1014mb</i>	<i>1006.0</i>		

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	<i>1</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>28</i>	<i>all codeless for HRD; 2 bad</i> <i>26 messages sent</i>

Video

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

Remarks

	Takeoff	Landing
Aircraft Static Pressure	1008.2mb	1006.0mb
Corrected Tower Pressure	1010.1mb	1008.4mb

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



NOAA G-IV ERROR SUMMARY
SALEX 2006
TD DEBBY FLT #2



Flight ID: N060826

<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.

Dynamic/differential sideslip pressure #2 (DPB2/BP2) produced erroneous output from 165055Z – 210145Z and was not used for any meteorological derivations.

All other instruments worked optimally during the flight.



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SALEX 2006

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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.

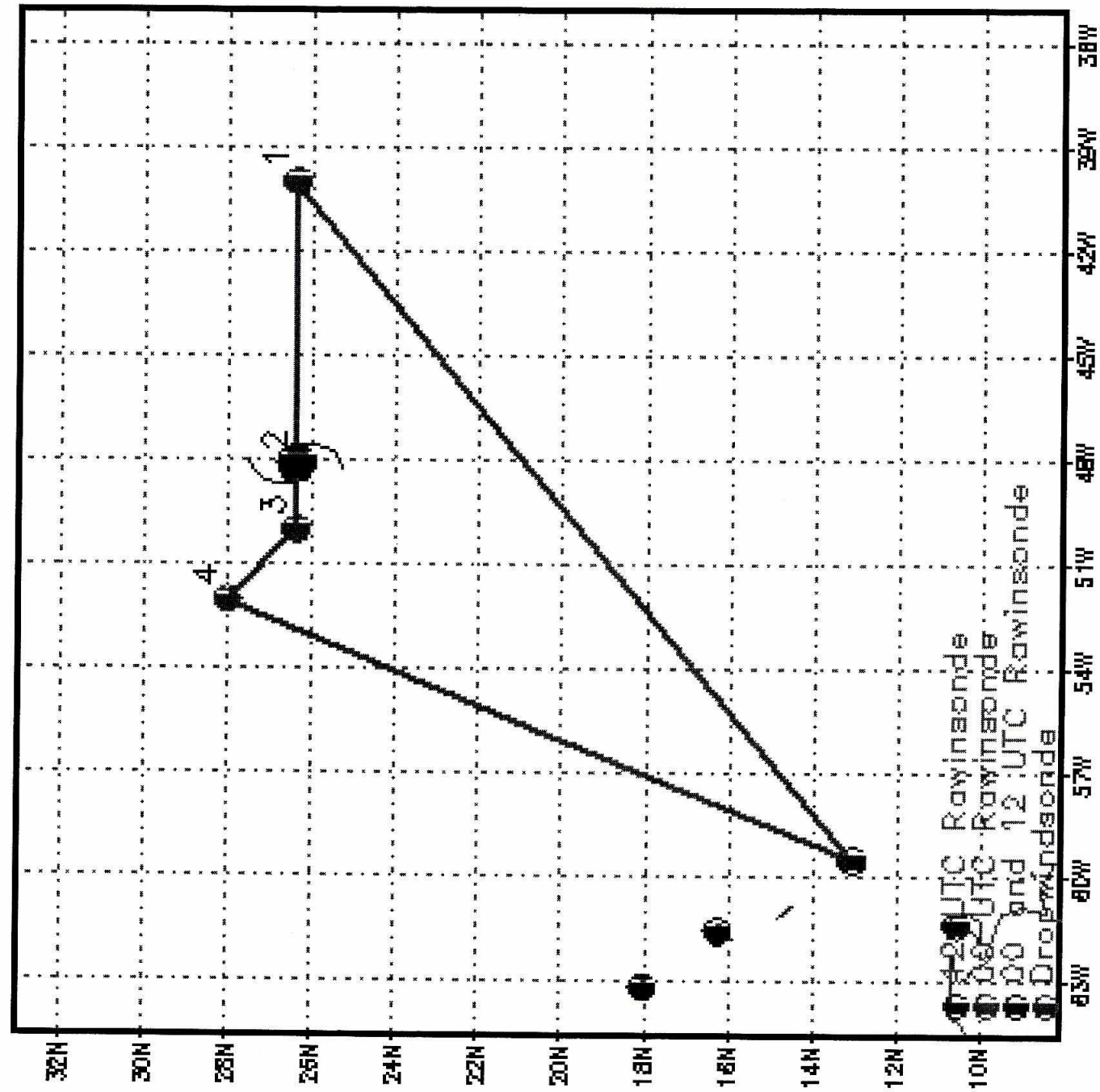
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All other instruments worked optimally during the flight.

	Takeoff	Landing
Aircraft Static Pressure	1008.2mb	1006.0mb
Corrected Tower Pressure	1010.1mb	1008.4mb

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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: 26/1500Z

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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	26 24	40 00		****	1360.	3:15
2	26 24	48 06		436.	1796.	4:14
3	26 24	50 00		102.	1898.	4:28
4	28 00	52 00		144.	2042.	4:47
5	BARBADOS			991.	3034.	7:12

N49RF AVAPS DropSonde Log

Project: Salex: 06

File: _____

F.D. A.B. DAMIANO

Mission: 060826N

Flight #: _____

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	013 635 057	1	1511	0	21	JAS	1		☒
2	013 515 023	2	1522	-5	22		2		☒
3	013 635 098	3	1528	0	21		3		☒
4	013 635 102	1	1534	0	33		4		☒
5	001 115 103	4	1601	0	-		NO SATS - NO WINDS		☒
6	000 715 315	2	1603	0	44		DROP 5 BU		☒
7	013 915 040	1	1628	0	26		DROP 6		☒
8	000 715 263	2	1653	0	34		7		☒
9	013 635 276	1	1723	-5	85		INT. WINDS 8		☒
10	000 715 268	2	1736	0	34		9		☒
11	000 715 255	3	1740	0	31		10		☒
12	000 715 258	1	1748	0	235		11		☒
13	013 635 172	4	1754	0	30		12		☒
14	000 715 326	2	1801	0	50		13		☒
15	000 715 246	3	1808	0	23		14		☒
16	013 635 309	1	1822	0	15		15		☒
17	013 915 045	1	1843	0	17		16		☒
18	013 635 186	2	1852	0	19		17		☒
19	013 635 170	3	1858	0	✓		18		☒
20	000 715 316	1	1904	0	15		19		☒
21	000 715 252	4	1911	0	22		20		☒
22	000 715 386	1	1926	-7	16		21		☒
23	000 715 002	2	1933	-5	23		22		☒
24	000 715 229	1	2008	0	18		23		☒
25	031 018 043	1	2035	0	20		24		☒
26	000 715 005	2	2044	0	~25		25		☒
27	000 715 229	3	2052	-0.6	-		NO LD		☒
28	000 715 004	1	2054	0	45		26 BU		☒
29									
30									
31									
32									
33									

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

SALEX - All drops from HRD private stock -

NOT IN Acc INVENTORY system