

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

AOCWF

Flt ID: N060825	From: TBPB	To: TBPB
Flt No: 06- 1090	Blk In: 2221Z	ATA: 2219Z
ETD: 1500Z	Blk Out: 1443Z	ATD: 1453Z
ETE:	Blk Time: 7:38 (7.6)	Flt Time: 7:26 (7.4)
Sponsor Org: NRD	Program: SALEX	Purpose: TS DEBBY

AOC Personnel

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

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DUNTON	PI	NRD
ABERSON	ASST PI	NRD
HAWKINS	ASST PI	NRL MONTEREY

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

Flt ID:	N060825		Time Off:	1453z		Time On:	2219z	
	A/C (Take Off)		Wx Station (Take Off)		A/C (Land)		Wx Station (Land)	
Pressure	1007.6		1012 ^{1005.8} mb		1006.8		NA	
	Number	Data Disposition / Date / Quality						
Flt Lvl Tapes	2							
Radar Tapes								
Cloud Physics Tapes								
Video Tapes								
AXBT								
AXCP								
AXCTD								
Dropsondes	31	29 codeless; 3 bad; and 2 UBLOX sonde all for HMD						
Video								
	Forward	Left Side	Right Side	Down	Remarks			
Time On								
Time Off								
Rate								
Remarks								

31

18
→ 21.25 39.5

19 → 21 40.5



NOAA G-IV ERROR SUMMARY

SALEX 2006

TS DEBBY FLT #1



Flight ID: N060825

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for groundspeeds for wind derivation)	
VEW_PITR, VNS_PITR and Pitch, Roll and Thdg	
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 two data gaps: 153340Z – 155024Z and 155104Z – 155134Z.

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

Due to the aforementioned data gaps the horizontal wind direction (WD) and wind speed (WS), and vertical wind (WI) may be erroneous from 155135Z – 155216Z. Also this data gap impacted drop #3's data and a backup had to be deployed.

All other instruments worked optimally during the flight.

	Takeoff	Landing
Aircraft Static Pressure	1007.6mb	1006.8mb
Corrected Tower Pressure	1005.8mb	NA

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

N060825

Data Gaps

VNS - PIR, VIEWPIR

TT3

DPRC

ACENS

WP3

VSPD

Palt

AKRD1

SSRD1

PITCH

ROLL

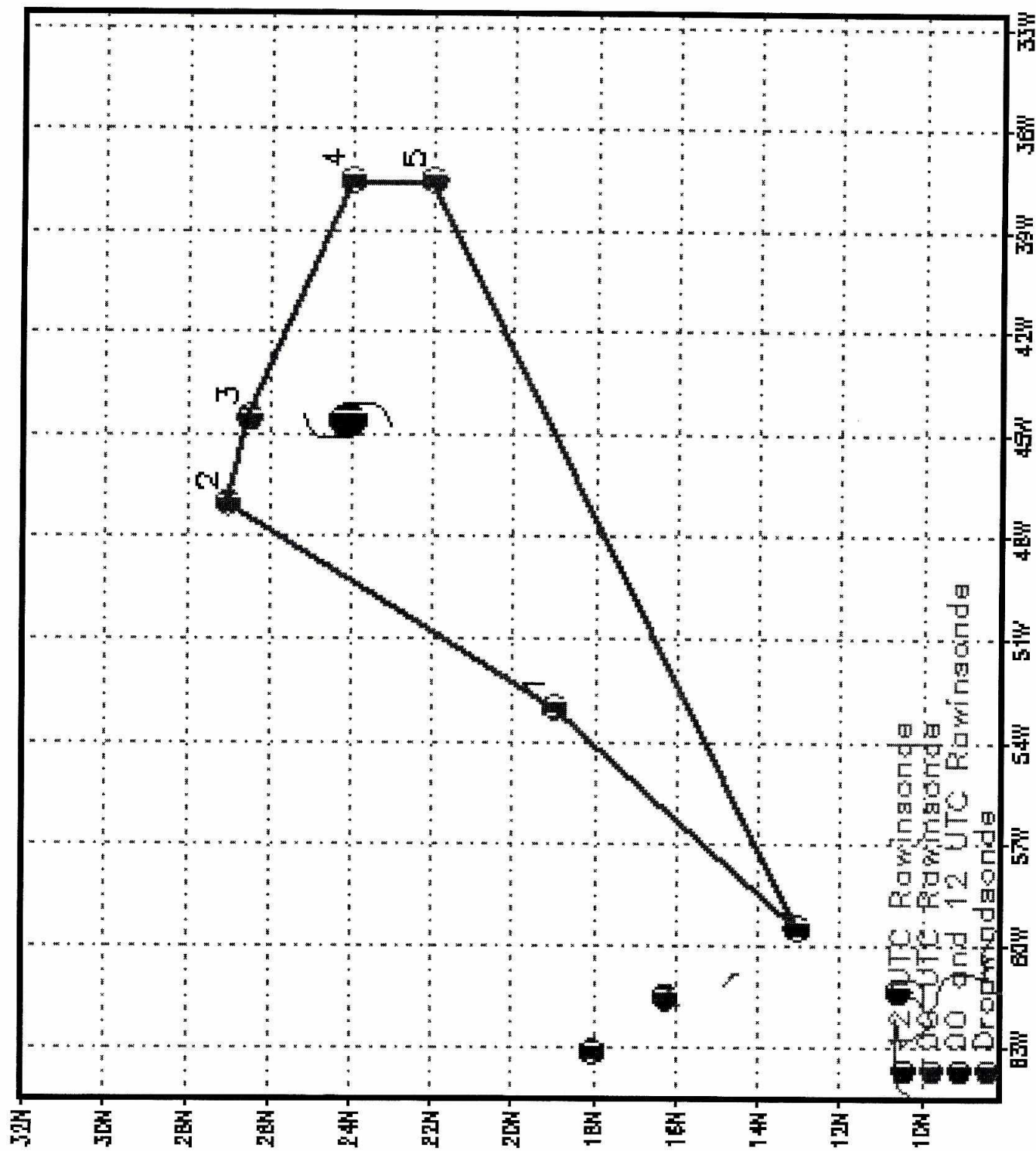
THDG

153340-155024

155104-155134

155135-155216

erroneous WS, WD



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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: 25/1500Z

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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	19 00	53 00		518.	518.	1:20
2	27 00	47 00		584.	1102.	2:40
3	26 30	44 30		138.	1239.	2:58
4	24 00	37 30		409.	1648.	3:54
5	22 00	37 30		120.	1768.	4:10
6	BARBADOS			****	3136.	7:26

N49RF AVAPS DropSonde Log

Project: _____ Flight #: _____ Salex

Mission: DL0825N 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	013 715 018	1	1531	Q	195	CR	REV B		✓
2	013 718 016	2	1540	Q	385	CR	REV B		✓
3	013 915 032	3	1549	Q	365	CR	REV B NO GEO POTENTIAL WLT		✓
4	013 945 061	4	1553	Q	355	CR	REV B		✓
5	013 715 015	1	1607	Q	27	DC	REV B		✓
6	013 715 016	2	1624	Q	16	CR	REV B LOST TELEMETRY		✓
7	013 715 011	3	1641	Q	36	CR	REV B		✓
8	012 545 018	4	1700	Q	14	CR	REV B		✓
9	013 718 014	1	1724	Q	28	CR	REV B		✓
10	013 915 005	2	1744	Q	25	CR	REV B INTERRUPTED WINDS		✓
11	013 915 042	3	1756	Q	41	CR	REV B		✓
12	013 915 047	4	1812	Q	15	CR	REV B		✓
13	013 715 008	1	1829	Q	24	CR	REV B		✓
14	013 635 278	2	1842	Q	14	CR	REV B		✓
15	053 166 028	3	1842	Q	4	CR	REV F	H	✓
16	000 715 060	4	1848	Q			REV B NO WINDS		
17	000 715 185	1	1851	Q	15	CR	REV B LOST WINDS		✓
18	013 635 105	5	1854	Q	20	DC	REV B		✓
19	000 715 189	7	1859	Q	15	DC	REV B		✓
20	053 166 027	3	1859	Q	4	CR	REV F	H	✓
21	033 518 009	6	1904	-2.2	8	DC	REV B		✓
22	013 635 101	2		Q		CR	REV B NO LAUNCH DETECT		
23	013 635 019	1	1918	Q	10	CR	REV B		✓
24	013 215 131	5	1922	Q	18	CR	REV B		✓
25	013 248 119	2	1940	Q	51	CR	REV B		✓
26	000 715 003	1	2012	Q	35	CR	REV B		✓
27	000 745 059	2	2016	Q	37	CR	REV B		✓
28	013 715 009	3	2023	Q	16	CR	REV B		✓
29	000 715 008	1	2100	Q	44	CR	REV B LOST WINDS		✓
30	000 715 094	2	2104	Q	48	CR	REV B		✓
31	000 715 231	3	2113	Q	32	CR	REV B		✓
32									
33									

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

SALEX - CHARGE 2 to HRD
All other data who's brought by HRD