



NOAA G-IV ERROR SUMMARY
SALEX 2006
H HELENE FLT #4



Flight ID: N060920

<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.

Static Pressure #1...PS1M...had several stair-step occurrences and was not used for meteorological derivations.

All other instruments worked optimally during the flight.

	Takeoff	Landing
Aircraft Static Pressure	1008.9mb	1010.0mb
Corrected Tower Pressure	1006.7mb	NA

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

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

AOCWF

Flt ID: N060920	From: TB PB	To: TB PB
Flt No: 06-107	Blk In: 2139Z	ATA: 2136Z
ETD: 1400Z	Blk Out: 1426Z	ATD: 1443Z
ETE:	Blk Time: 7:13 (7.2)	Flt Time: 6:53 (6.9)
Sponsor Org: HRD	Program: SALEX	Purpose: FLT #4 H. HELENE WITH N42RF

AOC Personnel

AC: FINN	Sys Eng: HILL
CP: ODELL / LONGENECKER	Data Sys: ROGERS
Nav:	Radar:
FE:	GPS/BT: PEEK
FD: DAMIANO	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DUNION	PI	HRD
BLACK, P.	ASST. PI	HRD

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #) *prior to T/O*
 T/O delayed due to MADS problems. John Hill detected an odor coming from the galley area. Turned out it was coming from the ice chest. It was not draining properly. Also late getting clearance

2550°
 5642' from N42
 2612' 2004Z
 5653 960m

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AOCWF2

Flt ID: **N1060920** Time Off: **1443Z** Time On: **2136Z**

A/C (Take Off) Wx Station (Take Off) A/C (Land) Wx Station (Land)

Pressure **1008.9** **1015.0** **1006.7**

Number Data Disposition / Date / Quality

Flt Lvl Tapes **1**

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes **25** **23 good; 2 bad; all HRD; Rev D codeless****23 messages sent**

Video

Forward Left Side Right Side Down Remarks

Time On

Time Off

Rate

Remarks

N49RF AVAPS DropSonde Log

Project: SALEX Flight ID: 060920N Flt Dir: BARRY

Mission: Helene Flight #: 15 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	013635045	1	15:26	Ø	6	MEH	FASTFALL	H	
2	000715113	2	15:30	+4	3Ø		lost winds 660-800		
3	013915083	3	15:41	Ø	27				✓
4	000715114	4	16:01	Ø	21				
5	013945190	1	16:20	Ø	32				
6	013978140	3	16:36	Ø	25				
7	013635046	4	16:53	-4	32				
8	013945191	1	17:13	Ø	53				
9	000715011	3	17:31	Ø	25				
10	000715041	4	17:48	Ø	-		NO WINDS		
11	013635180	1	17:50	Ø	40				
12	013945189	2	18:01	Ø	20				
13	000715237	3	18:13	Ø	90				
14	013635279	4	18:20	Ø	26				
15	013635097	1	18:28	Ø	20				
16	000715020	2	18:35	-5	16				
17	000715278	3	18:43	Ø	69				
18	020215069	4	18:50	-6	63				
19	013635277	1	18:57	-6	30		ON LS		
20	013915077	2	19:08	Ø	52				
21	013915085	3	19:27	-7	58				
22	000715285	4	19:46	Ø	1.26				
23	013215162	1	20:05	-5	1.05				
24	034325229	3	20:28	-2.9	42				
25	034325138	4	20:46	-2.9	32				
26	034323146	1		-4.7					
27									
28									
29									
30									
31									
32									
33									

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

ALL SONDES DROPPED AT 130000Z

Map of the North Atlantic showing wind speed and direction data. The map covers the area from 84W to 40W and 9N to 36N. A track of data points is plotted, with circled numbers 1 through 15 indicating specific locations. A legend at the bottom identifies the symbols used for the different data sources.

Legend:

- 12 UTC Rowinsonde
- 00 UTC Rowinsonde
- ⊗ 00 and 12 UTC Rowinsonde
- ⊙ Drop Windsonde

26.6
57.1
315/08

2008-09-20-07:01

- ~~① 18.0N ~ 62.0W~~
- ~~② 20.0N ~ 52.0W (WP1)~~
- ~~③ 22.5N ~ 60.0W~~
- ~~④ 25.0N ~ 60.0W (WP2)~~
- ~~⑤ 27.0N ~ 59.8W~~
- ~~⑥ 29.0N ~ 59.0W (WP3)~~
- ~~⑦ 29.9N ~ 56.0W~~
- ~~⑧ 30.3N ~ 53.5W~~
- ~~⑨ 31.0N ~ 51.0W (WP4)~~
- ~~⑩ ~ 32.5N ~ 49.0W~~