

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

Flt ID: 060308n	From: PANC	To: PHNL
Flt. No: 06-050	Blk In: 0244 Z	Time On: 0239 Z
ETD: 1900 Z	Blk Out: 1847 Z	Time Off: 1900 Z
ETE: 7+30	Blk Time: 7+57 (8.0) Hrs	Flt Time: 7+39 (7.7) Hrs
Sponsoring Org: NCEP	Program: Winter Storms	Purpose: Flight 22

AOC Flight Crew

Aircraft Commander: Finn	Data System: Rogers
Co-Pilot: Odell, Longenecker	AVAPS: Olney
Navigator: /	System Eng: /
Flight Eng: Kitson	A A: /
Flight Director: Mayeaux	A A: /
Avionics: Brogan	Crew Chief: /

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation

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

Recco Times

Fix # Fix Time

Storm Name: _____

Mission ID: NOAA9 26WSC TRACK99

Penetration number and time

WDS locked up from 212212-212226

220140- Turbulance made OAP+OBP rough

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Flight ID: 060308N		Time Off: 1900 Z		Time On: 0239 Z	
A/C: Takeoff		Wx Station: Takeoff		A/C: Land	
Wx Station: Land		A/C: Takeoff		Wx Station: Land	
Pressure	981.7 mb	2909 (1653) mb	1013.7 mb	2998 (1124) mb	
ATIS	Time	Observation			
Takeoff	1753Z	VR603KT 105m SCT120 Bkn200 M06/M13 A2991			
Land	0153 Z	12014KT 105m FEW030 SCT055 28/21 A2998			
	Number	Data Disposition / Date / Quality			
Flight Level Tapes	1				
Radar Tapes					
Cloud Physics Tapes / CDs					
Video Tapes					
Dropsondes	14	Good: 12 Bad: 2			
AXBT					
AXCP					
AXCTD					

Remarks:

N49RF AVAPS DropSonde Log

Project: WS 06 Flight ID: 060308N Flt Dir: MARTY

Mission: _____ Flight #: R.F. 22 Status: Sys 1 _____ Sys 2 _____ Launcher S/N: _____

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	053 416 076	1	21:31	Ø	1	MER		N	✓
2	053 116 252	1	21:54	Ø	1			N	✓
3	053 416 073	1	22:19	Ø	1		FAST FALL	N	
4	051 926 053	3	22:25	+1.5	1		FAST FALL	N	
5	053 116 012	1	22:44	Ø	1			N	✓
6	051 926 182	1	23:08	+1.4	1			N	✓
7	053 156 024	1	23:31	Ø	1			N	✓
8	053 626 304	1	23:55	+1.7	1			N	✓
9	053 316 097	1	00:18	Ø	1			N	✓
10	053 416 385	1	00:40	+1.4	1		FAST FALL	N	
11	053 416 092	3	00:42	Ø				N	✓
12	053 636 115	1	01:02	+1.5				N	✓
13	051 926 015	1	01:25	1.Ø				N	
14	053 626 309	1	01:49	+1.5					
15									
16									
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\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS



NOAA G-IV N49RF
Winter Storms 2006
RESEARCH FLIGHT 22 TRACK 99



Flight ID: N060308

Sensor or system

INE (for wind derivation)
Attack Angle
Slip Angle
Accelerometer
Temperature Probe
Dew Point Probe
Altitude (for vertical wind derivation)
Static Pressure
Dynamic Pressure
True Air Speed
Constants File
Project Directory

Number or Name

VEW_PITR,VNS_PITR
AKRD2
SSRD2
ACINS
AT4
DPLC
RA
PS2C
QC2C
TAS1
49cal051
601

Notes:

There were no time/data gaps during this flight.

Upon climb and descent, dynamic sideslip pressures (DBP1 and DBP2) separated by 10 to 15 mb. Due to the absence of a third sensor for comparison, no judgement can be made on which sensor is performing more accurately

Temperature Sensor two was erroneous throughout the entire flight.

The right dewpoint sensor was ~10 degrees too warm throughout the flight.

Otherwise, there were no problems with the flight.

Flight Director:

Martin Mayeaux (813) 828-3310 ext. 3086

Winter Storm Reconnaissance Program (WSRP)

Track _ 12 Drops

Date: 08 March, 2006

Takeoff Time: 1900Z

MISSION ID: **NOAA9 26WSC TRACK99**

Departure Point: Anchorage

Arrival Point: Honolulu

PANC	61 10N	150 00W
Drop 1	46 00N	162 00W
Drop 2	43 45N	163 00W
Drop 3	41 30N	164 00W
Drop 4	39 15N	165 00W
Drop 5	37 00N	166 00W
Drop 6	34 45N	167 00W
Turn - Drop 7 - CP	32 30N	168 00W
Drop 8	30 15N	169 00W
Drop 9	28 00N	170 00W
Drop 10	26 40N	167 30W
Drop 11	25 20N	165 00W
Drop 12	24 00N	162 30W
PHNL	21 19N	157 55W

08 March

1900± Takeoff

NOAA9 26 WSC Track 99

PANC 6110 15000

Drop 1 4600 16200

2 4345 16300

3 4130 16400

4 3915 16500

5 3700 16600

6 3445 16700

7 3230 16800

8 3015 16900

9 2800 17000

10 2640 16730

11 2520 ~~16230~~ 16500

12 2400 16230

PHNL 2119 15750

Flight ID 060308N

Flight Director Mayeaux

Mission ID N0009 26WSC Tradeqg
Storm 22

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Drop #	Channel # SNAME ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	051116252	215441	4345	16360	1041.0	Wd ✓ Cl 1	171344	2	0	1713
2	051926152	222428	4102	16412	1037.1	Wd ✓ Cl 3	fast fail	-	-	-
4	051926152	230801	3700	16600	1022.6	Wd ✓ Cl 1	182726	3	0	1828
6	053626304	235454	3230	16800	1009.3	Wd ✓ Cl 1	191252	7	0	1914
8	053626304	240604	2803	16959	-	Wd ✓ Cl 1	fast fail	-	-	-
10	053626304	010208	2639.9	16729.6	1008.3	Wd ✓ Cl 1	202031	10	0	2022
12	053626304	014855	2354	16230	1014.9	Wd ✓ Cl 1	210849	12	0	2110