



NOAA G-IV N49RF

Winter Storms 2007 Track 37



Flight ID: N070221

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,VNS
AKRD2
SSRD2
ACINS
AT1
DPRC
RA
PS2C
QC2C
TAS1
49cal062
701

Local Met Data:

PHNL 1853Z 05014G20KT P6SM -SHRA FEW023 BKN035 22/17 A3012

PHNL 0253Z 05013G22KT P6SM SCT040 25/15 A3012

Notes:

There were several time/data gap during this flight which occurred from 194512Z-195609Z and 195900Z-200705Z..

Total Temperature number 2 along with air temperature number 2 were not installed and therefore inoperative throughout the flight.

The left dewpoint sensor was ~7 degrees too warm throughout the flight.

The date listed in the header file is also erroneous. However, it has no impact on the flight level data.

Flight Director:

Marty Mayeaux (813) 828-3310 ext. 3086

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

Flt ID: 070221 N	From: PHNZ	To: PHNZ ¹⁵
Flt. No: 07-036	Blk In: 0347 z	Time On: 0334 z
ETD: 2000 z	Blk Out: 1934 z	Time Off: 1945 z
ETE: 8:00 +	Blk Time: 8:07 (8.1) Hrs	Flt Time: 7:49 (7.8) Hrs
Sponsoring Org: NCEP	Program: Winter storms	Purpose: Track 37

AOC Flight Crew

Aircraft Commander: Hagen, J	Data System: Rogers
Co-Pilot: Longenecker, J, Glover, C	AVAPS: RASCO
Navigator: /	System Eng: /
Flight Eng: /	A A: /
Flight Director: Mayeaux	A A: /
Avionics: Brogan	Crew Chief: /

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Booth, J	Media	CBS - Honolulu
Reich, R	Media	CBS - Honolulu

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

Storm Name: Winter Storms

Mission ID: 16 WSC

Penetration number and time

2700 - 2000

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

Flight ID: **070221N**

Time Off: **1945** Z

Time On: **0334** Z

A/C Takeoff		Wx Station Takeoff		A/C Land		Wx Station Land	
Pressure	1022.5 mb	3012 mb	1017.0 mb	3004 mb			
ATIS	Time	Observation					
Takeoff	1853 Z	05014KT G20KT 10sm -SRA for 023 Bkn 031 22/17 301					
Land	0253 Z	050136 22KT 10sm SCT+041 25/15 A3004					
	Number	Data Disposition / Date / Quality					
Flight Level Tapes							
Radar Tapes							
Cloud Physics Tapes / CDs							
Video Tapes							
Dropsondes	16	Good: 16 Bad: 0					
AXBT							
AXCP							
AXCTD							

Remarks:

N49RF AVAPS DropSonde Log

Project: WSR-07 Flight ID: 070221N Flt Dir: MARTY
 Mission: TRACK 37 Flight #: 13 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	053636007	1	2050	X	5	CL			✓
2	053636003	1	2111	X	5				✓
3	053626145	1	2133	X	5				✓
4	053626222	1	2156	X	5				✓
5	051926234	1	2218	X	5				✓
6	053626064	1	2239	X	6				✓
7	053626227	1	2300	X	5				✓
8	051926134	1	2323	X	7				✓
9	054556329	1	2343	X	7				✓
10	054626267	1	0005	X	6				✓
11	054626301	1	0028	X	8				✓
12	054556419	1	0050	0	8				✓
13	054626273	1	0111	X	7				✓
14	054556337	1	0132	X	5				✓
15	054626304	1	0153	0	5				✓
16	054626303	1	0215	X	8				
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									

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

N49RF AOC GPS Dropwindsonde Log

Flight ID 070221N

Flight Director Mayeaux

32515
326

Mission ID 16WSc

Storm Winter Track 37

Page 1 of 1

Drop #	Station ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	053636003	211133	2700	14845	1024.6	Sc+180	Wind 163019	2	0	2130
2	053636003	211133	2700	14845	1024.6	Sc+180	Wind 163019	2	0	2130
4	053636003	215622	2930	14330	1025.4	Alm180	Wind 171354	4	0	2214 2237
6	053636003	223940	3300	13915	1022.2	Sc+180	Wind 180119	6	0	2301
8	051926134	232302	3747	13832	1018.0	Sc+250	Wind 192408	8	0	2340
10	054626267	000536	4015	14315	1022.4	hkn 250	Wind 192408	10	0	0026
12	054626267	005042 (3)	3830	14400	1030.1	Alm 250	Wind 8 700943	12	0	0110 (201324)
14	054626267	013226	3415	15215	1030.5	hkn 250	Wind 8 705000	14	0	0150
16	054626303	021529	2915	15415	1026.1	Blkn 200	Wind 3 213742	16	0	0237

AT 550

AT 550

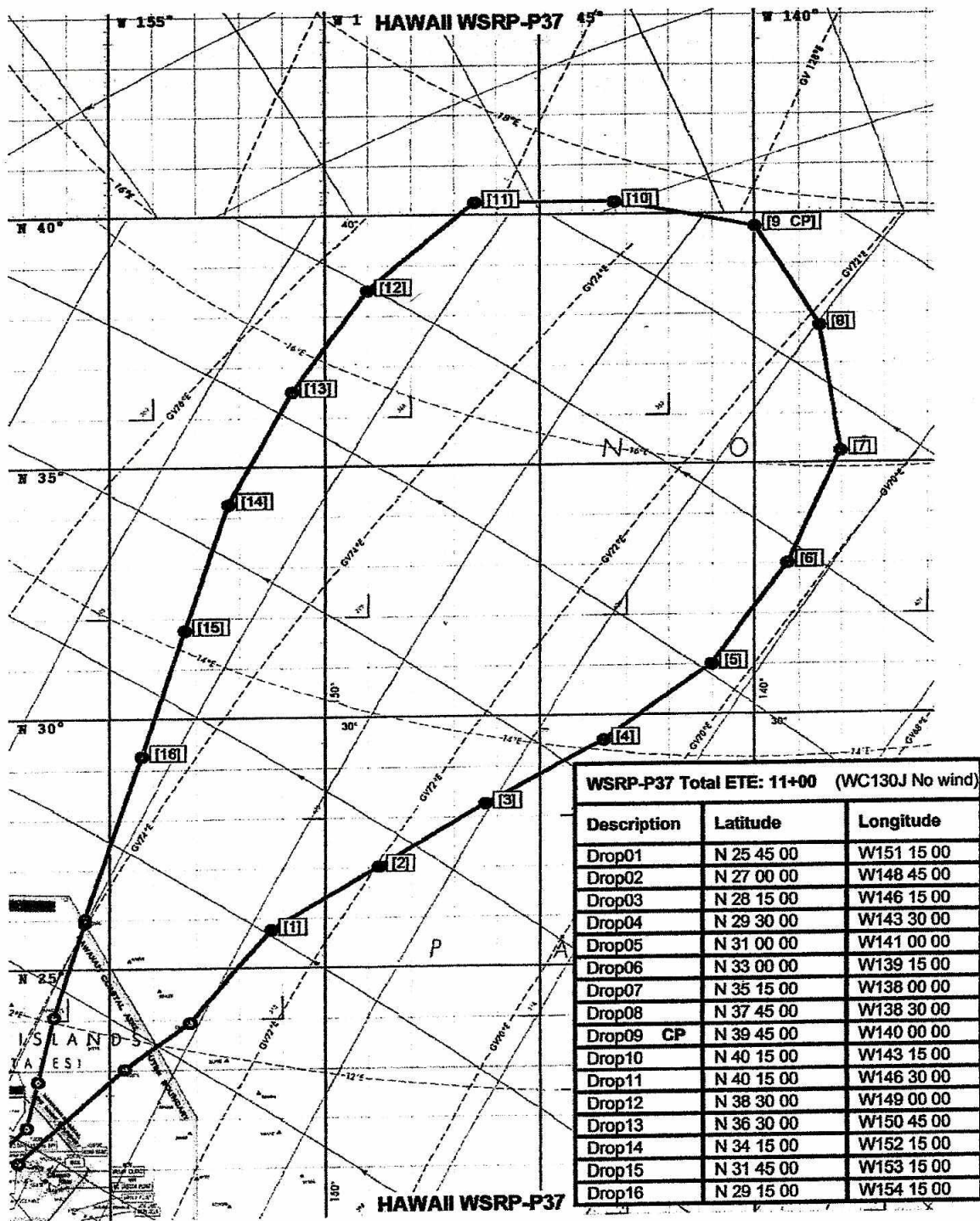


Figure H-7. Hawaiian Flight Track WSRP-37.