



NOAA G-IV N49RF Winter Storms 2007 Track 35



Flight ID: N070216

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_PITR
AT1
DPRC
RA
PS2C
QC2C
TAS1
49cal062
701

Local Met Data:

PHNL 1850Z 02009KT P6SM SCT030 24/16 A3017

PHNL 0153Z 02010KT P6SM FEW025 BKN040 A3008

Notes:

There were no time/data gaps during this flight.

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

The left dewpoint sensor was ~10 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

File ID: 070216N	From: PHNL	To: PHNL
Fit. No: 07-033	Blk In: 0251 Z	Time On: 0249 Z
ETD: 2015 Z	Blk Out: 1954 Z	Time Off: 2008 Z
ETE: 6 + 30	Blk Time: 6 + 57 (7.0) Hrs	Flt Time: 6 + 41 (6.7) Hrs
Sponsoring Org: NCEP	Program: Winter Storms	Purpose: 35 Track #

Aircraft Commander

Pilot: <i>Finan, M</i> Co-Pilot: <i>Longenecker, J</i> Navigator: <i>Glover, Gregg</i> Flight Eng: <i>/</i> Flight Director: <i>Mayeaux, Parrish</i> Avionics: <i>Rasco, C</i>	Data System: <i>Rogers</i> AVAPS: <i>Brugan</i> System Eng: <i>/</i> A A: <i>/</i> A A: <i>/</i> Crew Chief: <i>/</i>
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[illegible][illegible]

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

Recco Times

Fix # Fix Time

Storm Name:

Mission ID: 10 WSC

Penetration number and time

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

Flight ID: 070216N	Time Off: 0008 Z	Time On: 0249 Z
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	A/C: Takeoff	Wx Station: Takeoff	A/C: Land	Wx Station: Land
Pressure	1022.0 mb	3017 mb	1017.5 mb	3008 mb

ATIS	Time	Observation
Takeoff	1850 Z	02009KT P6sm SCT030 24/16 A3017
Land	0153 Z	02010 10S- F02025 BKN041 A3008

	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Dropsondes	14	Good: 14 Bad: 0
AXBT		
AXCP		
AXCTD		

Remarks:
12 bad - not installed

225377-3409

N49RF AOC GPS Dropwindsonde Log

Flight ID 070216N

Flight Director Mayraux

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Mission ID 10W5C

Storm Winter

Drop #	Channel # Swath ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	060356118	213247	2900	15100	1026.6	00100	Winds 4 165703	2	0	2154
2	060356118	213247	2900	15100	1026.6	00100	Winds 4 165703	2	0	2154
3	060356118	213247	2900	15100	1026.6	00100	Winds 4 165703	2	0	2154
4	060356118	221117	3315	14745	1026.9	00100	Winds 4 172932	4	0	2230
5	060356118	221117	3315	14745	1026.9	00100	Winds 4 172932	4	0	2230
6	060226025	225123	3800	14846	1021.9	00100	Winds 4 180758	6	0	2309
7	060226025	225123	3800	14846	1021.9	00100	Winds 4 180758	6	0	2309
8	060416010	232938	4644	15302	1022.9	00100	Winds 5 185631	8	0	2356
9	060416010	232938	4644	15302	1022.9	00100	Winds 5 185631	8	0	2356
10	060416017	001216	3830	15830	1028.2	00150	Winds 6 192911	10	0	0036
11	060356169	005238	3345	15959	1030.1	00100	Winds 6 201039	12	0	0110
12	060356169	005238	3345	15959	1030.1	00100	Winds 6 201039	12	0	0110
13	061239027	013252	2845	15915	1027.0	00100	Winds 6 210221	14	0	0207
14	061239027	013252	2845	15915	1027.0	00100	Winds 6 210221	14	0	0207

N49RF AVAPS DropSonde Log

Project: WINTERSTORMS07 Flight ID: 070216N Flt Dir: MACV

Mission: TRACK 35 Flight #: 11 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	061229131	1	2114	0	15	CR		✓	✓
2	060356118	3	2132	0	4				✓
3	061229134	1	2151	0	5				✓
4	060356075	1	2211	0	4				✓
5	060416039	1	2230	0	5				✓
6	060226025	1	2251	0	40				✓
7	061229030	1	2310	0.5	5				✓
8	060416010	1	2329	0	5				✓
9	060416042	1	2350	0	4				✓
10	060416017	1	0012	0	6				✓
11	053314082	1	0033	0.4	5				✓
12	060356169	1	0052	0	6				✓
13	061239024	1	0112	0.5	4				✓
14	061239027	1	0132	0	5				✓
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\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS _____ = _____ = _____

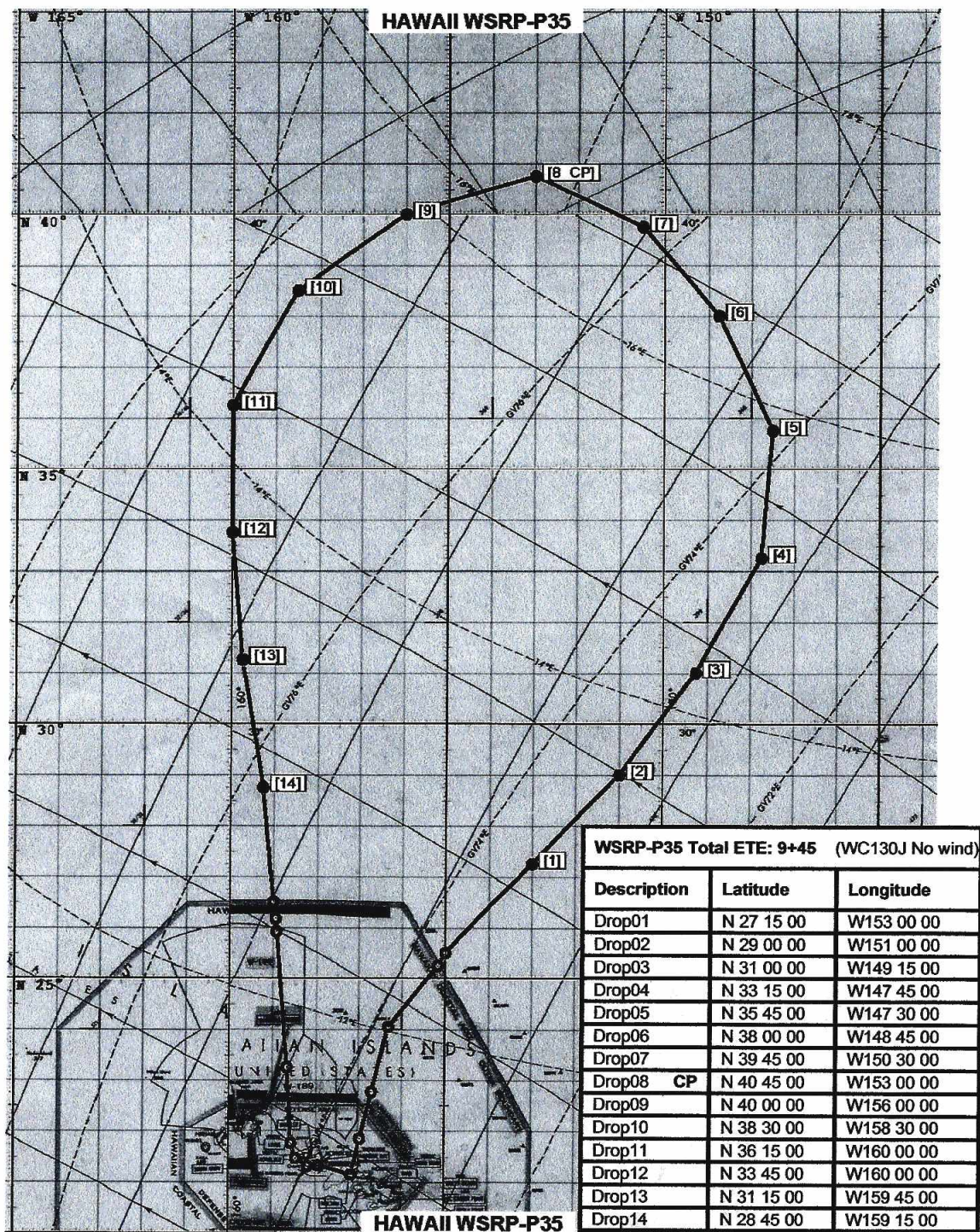


Figure H-5. Hawaiian Flight Track WSRP-35.