



NOAA G-IV ERROR SUMMARY
WINTER STORMS 2007
TRACK35



Flight ID: N070127

<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	PS2M
Dynamic Pressure	QC2M
Attack Angle	AKRD2
Slip Angle	SSRD1
Vert. Wind	PALT
Constants File	49cal061
Project Directory	/proj/701

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...exhibited several stair-step jumps beginning at 204440Z and ending at 225625Z. This did not impact any meteorological derivations since it was not selected.

Dynamic Attack Pressure #1...DAP1...began producing erroneous output shortly after takeoff and continued until the aircraft landed. This did not impact any meteorological derivations since it was not selected.

All other instruments worked optimally during the flight.

All 14 tempdrop messages were successfully sent to NCEP and made it into the 28/00Z model run.

	Takeoff	Landing
Aircraft Static Pressure	1016.1mb	1012.1mb
Corrected Tower Pressure	1016.2mb	1012.6mb

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

N49RF AOC GPS Dropwindsonde Log

Flight ID N070127

Flight Director 12/ANNDRW

Page 1 of

Mission ID 02 WSC Storm TRACK35

67
2
134
135

Drop#	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failure	Send Time (UTC)
1	0534/6014	210329	27°15'	153°00'	1014.1	BKN SC	KWBC-162859	1	—	2129Z
2	0534/6148	212157	29°00'	151°00'	1014.0	SC TS C/LR	KWBC-164834	2	—	2149Z
3	053726021	214117	31°00'	149°15'	1013.2	THN C/LR SC TS C	KWBC-171386	3	—	2213Z
4	061229167	220224	33°15'	147°46'	1006.0	SC TS C/LR	FF			
5	053636048	220829	33°54'	147°42'	1012.0		KWBC-173249	4	—	2233Z
6	061449104	222400	35°45'	147°31'	1009.9	THN C/LR	KWBC-174825	5	—	2249Z
7	053416333	224515	38°00'	148°45'	1005.8	OV C/LR	KWBC-181316	6	—	2314Z
8	053170025	230422	39°45'	150°31'	1004.9	BKN C/LR	KWBC-183314	7	—	2334Z
9	053626297	232402	40°43'	153°01'	1003.2	C/LR	KWBC-185454	8	—	2356Z
10	060226437	234647	39°59'	153°59'	996.0	OV C/LR	KWBC-192452	9	—	0028Z
11	053316041	001030	36°29'	158°29'	988.7	OV C/LR	KWBC-194051	10	—	0041Z
12	053166096	003431	36°15'	159°59'	987.9	OV C/LR	KWBC-194051	11	—	0109Z
13	053416334	005715	33°45'	159°59'	992.4	SC TS C	KWBC-202829	12	—	0124Z
14	053416371	011901	31°15'	159°44'	996.9	BKN A/SC	FF KWBC-202455	13	—	0153Z
15	053716081	012327	30°43'	159°38'			lost signal added 5306 wind KWBC-210354	14	—	0204Z
16	053416140	014009	28°45'	159°15'	1601.7	??				

Surge winds
from 07H

N49RF AVAPS DropSonde Log

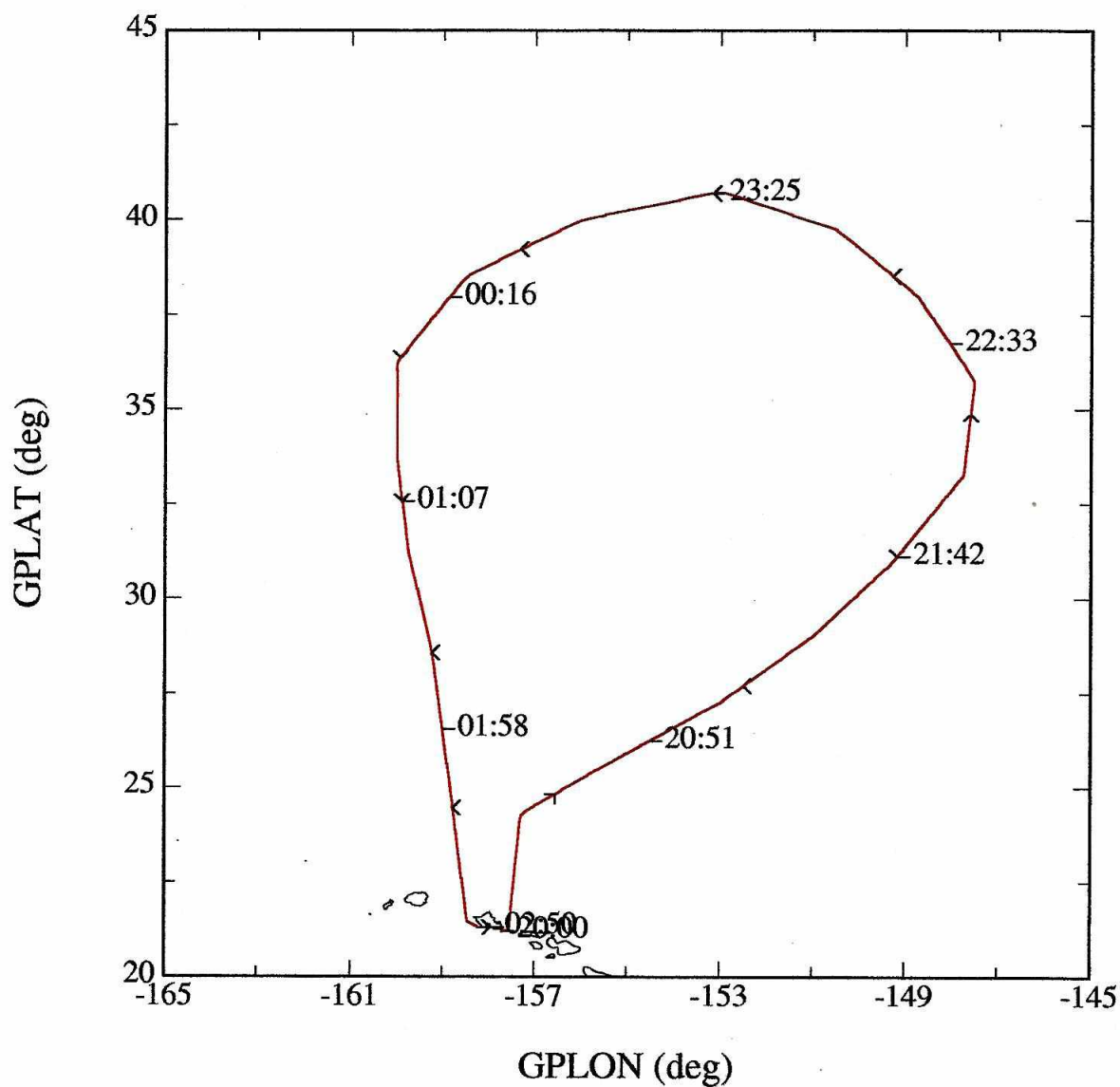
N49RF Project: WINTER STORMS '07 Flight ID 070127N

Mission: TRACK 35 Flight #: 2 System Status: ✓

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ✓
1	053416 014	1	2103	0	6	CR		✓
2	053416 148	1	2121	0	4			✓
3	053416 021	1	2141	0	6			✓
4	061229 167	1	2202	0	5		INT. TELEMETRY/FASTFALL	
5	053436 048	2	2208	0	6		#4 B/U	✓
6	053416 333	1	2224	0	6			✓
7	061449 104	1	2245	0	6			✓
8	053170 025	1	2304	0	4			✓
9	053626 299	1	2324	0	8			✓
10	060226 437	1	2346	0	45			✓
11	053316 091	1	0010	0	5			✓
12	053166 096	1	0035	0	5			✓
13	053416 334	1	0057	0	6			✓
14	053416 371	1	0119	0	4		FASTFALL	
15	053716 081	2	0123	0	30		#13 B/U LOST TELEMETRY	
16	053416 140	1	0140	0	6			✓
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WinterStorms_2007 Track 35

01/27/2007 UTC, 20:00:00-26:50:00



	mean	sigma	min	max
GPLAT (deg), 1 s/sec	31.69	6.08	21.22	40.73
GPLON (deg), 1 s/sec	-155.09	4.36	-160.00	-147.51

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AOCWF-1

Flt ID: <i>N070127</i>	From: <i>PHNL</i>	To: <i>PHNL</i>
Flt No: <i>07-025</i>	Blk In: <i>0256Z</i>	ATA: <i>0250Z</i>
ETD: <i>2000Z</i>	Blk Out: <i>1945Z</i>	ATD: <i>1956Z</i>
ETE:	Blk Time: <i>7:11 (7.2)</i>	Flt Time: <i>6:54 (6.9)</i>
Sponsor Org: <i>NCEP/NWS</i>	Program: <i>WINTER STORMS</i>	Purpose: <i>TRACK 35</i>

AOC Personnel

AC: <i>FINN</i>	Sys Eng:
CP: <i>ODELL/GLOVER</i>	Data Sys: <i>ROGERS</i>
Nav:	Radar:
FE:	GPS/BT: <i>CARPENTER / RASCO</i>
FD: <i>DAMIANO</i>	Cld Phys:
Agencies: <i>ALMEIDA</i>	XXXXXXXXXX

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation

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

1950Z passed ASOS
2028Z all 3 temps spiked
3 days prior
DAPI erroneous after T/O
went to AKRD2 at 2015Z

kg fup. noon 7/25

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AOCWF2

Flt ID: *N070127* Time Off: *1956z* Time On: *0250z*

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

Pressure *1015.9* *30.01 / ~~1016.0~~* *1012.1*

Number Data Disposition / Date / Quality

Flt Lvl Tapes *1*

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes *(16)* *2 fast fall - 1 lost signal at ~400mb*
14 messages sent: used FF from drop 13

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

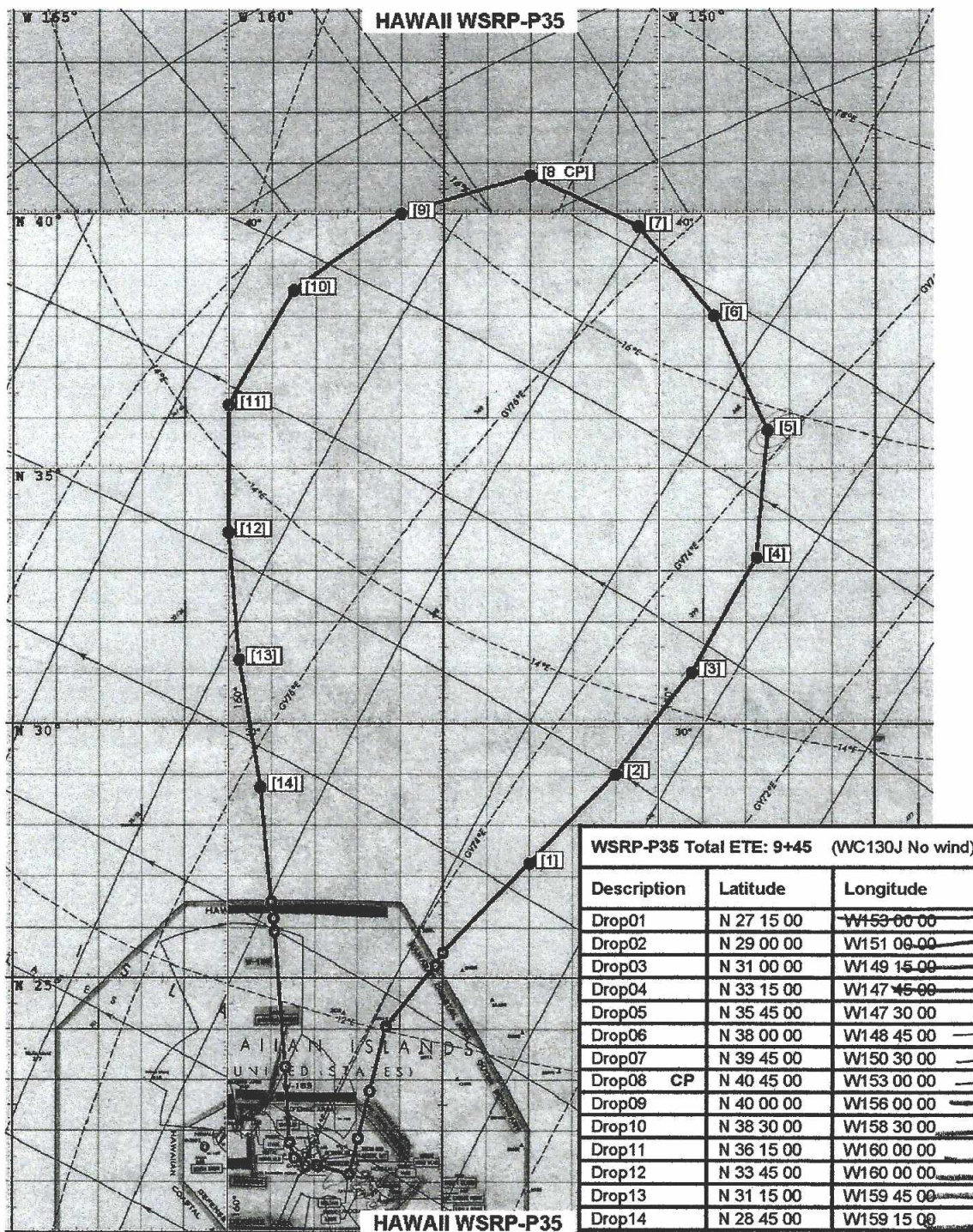


Figure H-5. Hawaiian Flight Track WSRP-35.

Ø2WSC TRACK35

WAFB WASHINGTON
FIXED TIME FORECAST CHART
ICRG AREA M SIG W3
FL 350-600
VALID 00 UTC 28 JAN 2007
OR IMPLY HAD ON SPY TURN. ICE AND HAIL
MET IN FLIGHT LEVELS. SPEEDS IN KNOTS
CHECK SIGMETS FOR VOLCANIC ASH

