



NOAA G-IV ERROR SUMMARY
WINTER STORMS 2007
TRACK34



Flight ID: N070210

<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	AKRD1
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 at 210456Z, 212705Z and 213154Z. This did not impact any meteorological derivations since it was not selected.

All other instruments worked optimally during the flight.

All 13 tempdrop messages were successfully sent to NCEP and made it into the 11/00Z model run.

	Takeoff	Landing
Aircraft Static Pressure	1019.9mb	1016.6mb
Corrected Tower Pressure	1019.6mb	1016.6mb

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

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

AOCWF-1

Flt ID: <i>N070210</i>	From: <i>PHNL</i>	To: <i>PHNL</i>
Flt No: <i>07-29</i>	Blk In: <i>0231z</i>	ATA: <i>0229z</i>
ETD: <i>2015z</i>	Blk Out: <i>2006z</i>	ATD: <i>2018z</i>
ETE:	Blk Time: <i>6:25 (6.4)</i>	Flt Time: <i>6:11 (6.2)</i>
Sponsor Org: <i>NWS/NCEP</i>	Program: <i>WINTER STORMS</i>	Purpose: <i>TRACK34</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>	Cid Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation

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

Pass ASOS at 2010z

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AOCWF2

Flt ID:

N070210

Time Off:

2018Z

Time On:

0229Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1019.9	30.12 / 1019.6	1016.6	30.035 / 1016.7

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	1	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	13	All good; 13 messages sent to NCEP.

Video

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

Remarks

Dell latitude C840
Model no PP01X

Dell latitude

275-19

N49RF AOC GPS Dropwindsonde Log

285/57

Flight ID N1070210

Flight Director DAMIANNO

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Mission ID 06WSC Storm TRACK34

245/19

25
24
57

Drop #	Station # Sonde ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments KNC	OB #	SatComm Failures	Sent Time
1	053416396	212446	31°00'	153°30'	1022.1	744 CTR	170229	2	—	22034
2	053416396	214446	31°00'	153°30'	1022.1	744 CTR	170229	2	—	22034
3	053416396	220446	31°00'	153°30'	1022.1	744 CTR	170229	2	—	22034
4	053416396	222446	36°00'	153°00'	1019.2	5CT SC	174409	4	—	22452
5	060356120	230606	40°15'	156°16'	1016.6	6VC CIR	183345	6	—	23342
6	060356120	232506	40°15'	159°00'	1014.9	6VC CIR	184422	7	—	23502
7	060416002	234543	39°29'	161°30'	1014.8	6VC CIR	190802	8	—	00082
8	060416002	234543	39°29'	161°30'	1014.8	6VC CIR	190802	8	—	00082
9	060416002	234543	39°29'	161°30'	1014.8	6VC CIR	190802	8	—	00082
10	060416002	234543	39°29'	161°30'	1014.8	6VC CIR	190802	8	—	00082
11	060416002	234543	39°29'	161°30'	1014.8	6VC CIR	190802	8	—	00082
12	060416002	234543	39°29'	161°30'	1014.8	6VC CIR	190802	8	—	00082
13	060416002	234543	39°29'	161°30'	1014.8	6VC CIR	190802	8	—	00082

used 45AT

N49RF AVAPS DropSonde Log

Project: WINTERSTORMS07 Flight ID: 070210N Flt Dir: DAMIANO
 Mission: TRACK 34 Flight #: 0 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	053636079	1	2124	0	35	CR			✓
2	053416396	1	2144	0	5				✓
3	053726013	1	2204	0	4				✓
4	053716288	1	2224	0	4				✓
5	060356157	1	2245	0	5				✓
6	060356120	1	2306	0	15				✓
7	053716229	1	2325	0	5				✓
8	053636073	1	2345	0	5				✓
9	060416004	1	0005	0	72				✓
10	053416141	1	0025	0	4				✓
11	053416321	1	0045	0	5				✓
12	060416002	1	0105	0	5				✓
13	060356128	1	0125	0	5				✓
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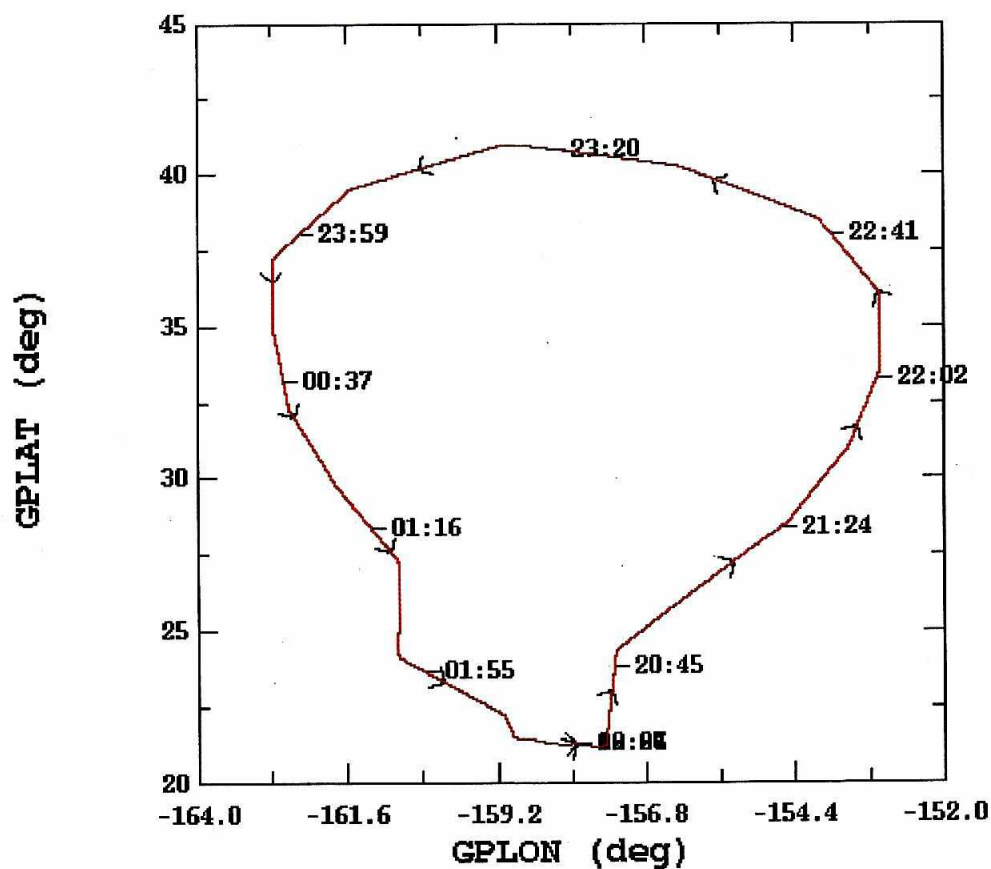
\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS _____ = _____ = _____

070210n.log	Latitude	Longitude	Press	Temp	DP	WD	WS	MSL Alt	G Alt	Heading	Track	TAS
GS	V Vel	Event	Comments									
20:17:58	21 18.41'N	157 56.20'W	1019.5	23.1	14.1	57.3	6.1	20.5	20.5	89.0	89.9	75.0
69.8	0.10	t/o										
20:30:06	21 51.57'N	157 25.01'W	409.6	-21.0	-42.7	264.3	45.6	7280.2	7262.6	351.2	2.8	220.4
222.3	7.99	passing thru 23k	lgt turb									
20:44:49	23 43.17'N	157 19.04'W	190.3	-51.6	-62.5	273.4	75.7	12496.4	12457.4	343.8	3.2	227.3
213.9	4.65	passing thru 39k										
21:03:11	25 53.53'N	156 15.75'W	177.8	-50.4	-67.1	275.0	68.1	12798.9	12760.3	15.8	31.0	232.2
253.9	0.17	at 41k lgt turb										
21:24:57	28 29.84'N	154 30.28'W	177.7	-50.0	-66.8	268.9	52.3	12665.1	12629.7	13.9	25.6	233.6
252.4	-0.16	drop 1 ws 35s										
21:44:45	30 59.83'N	153 30.25'W	177.8	-48.7	-67.4	264.4	37.4	12562.8	12530.4	5.7	14.5	233.3
243.5	0.17	drop 2										
22:04:29	33 29.78'N	153 00.23'W	169.7	-49.6	-67.7	266.7	31.3	12791.1	12760.2	357.7	5.4	232.1
234.8	0.37	drop 3										
22:24:14	35 59.72'N	153 00.25'W	169.5	-50.0	-68.3	257.0	31.6	12731.9	12704.0	344.2	352.2	234.0
234.7	0.15	drop 4										
22:45:42	38 29.99'N	154 00.86'W	169.7	-49.4	-67.6	270.4	14.2	12682.1	12657.3	324.5	327.7	234.1
226.2	-0.34	drop 5										
23:06:04	40 14.69'N	156 15.57'W	162.4	-48.1	-66.7	245.3	22.5	12940.0	12916.2	297.1	301.8	232.5
219.3	0.01	drop 6										
23:25:05	40 57.34'N	159 00.24'W	162.1	-50.2	-68.5	256.8	17.9	12943.5	12920.5	258.9	259.2	233.8
215.9	0.01	drop 7 lgt turb										
23:45:42	39 29.42'N	161 29.65'W	162.3	-50.8	-68.6	265.3	13.1	12967.9	12943.1	218.7	216.4	231.7
222.9	0.47	drop 8										
00:05:42	37 14.77'N	162 44.46'W	154.8	-51.8	-69.0	281.6	16.4	13328.5	13299.6	195.4	191.4	231.8
231.2	0.30	drop 9 ws 69s										
00:25:44	34 45.11'N	162 44.94'W	154.7	-52.6	-69.1	271.8	17.2	13382.1	13350.1	182.2	177.8	231.1
231.6	-0.02	drop 10										
00:45:25	32 14.96'N	162 29.88'W	154.6	-52.1	-68.7	281.8	18.8	13448.7	13413.4	174.1	170.0	231.8
238.0	-0.09	drop 11										
01:05:22	29 45.07'N	161 44.92'W	154.6	-52.0	-68.2	275.4	30.3	13525.7	13487.3	169.5	162.8	230.9
240.9	-0.26	drop 12										
01:25:36	27 14.95'N	160 45.41'W	154.7	-50.3	-67.9	269.8	45.2	13613.5	13572.1	182.5	170.7	231.9
234.6	0.50	drop 13										
02:28:32	21 18.92'N	157 55.51'W	1016.4	24.9	13.3	34.8	7.6	19.2	19.1	51.1	54.3	67.7

60.4	-1.65	land
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WinterStorms_2007 Track34

02/10/2007 UTC, 19:27:51-26:34:09



	mean	sigma	min	max
GPLAT (deg), 1 s/sec	29.97	6.79	21.17	40.96
GPLON (deg), 1 s/sec	-158.11	3.15	-162.75	-153.00

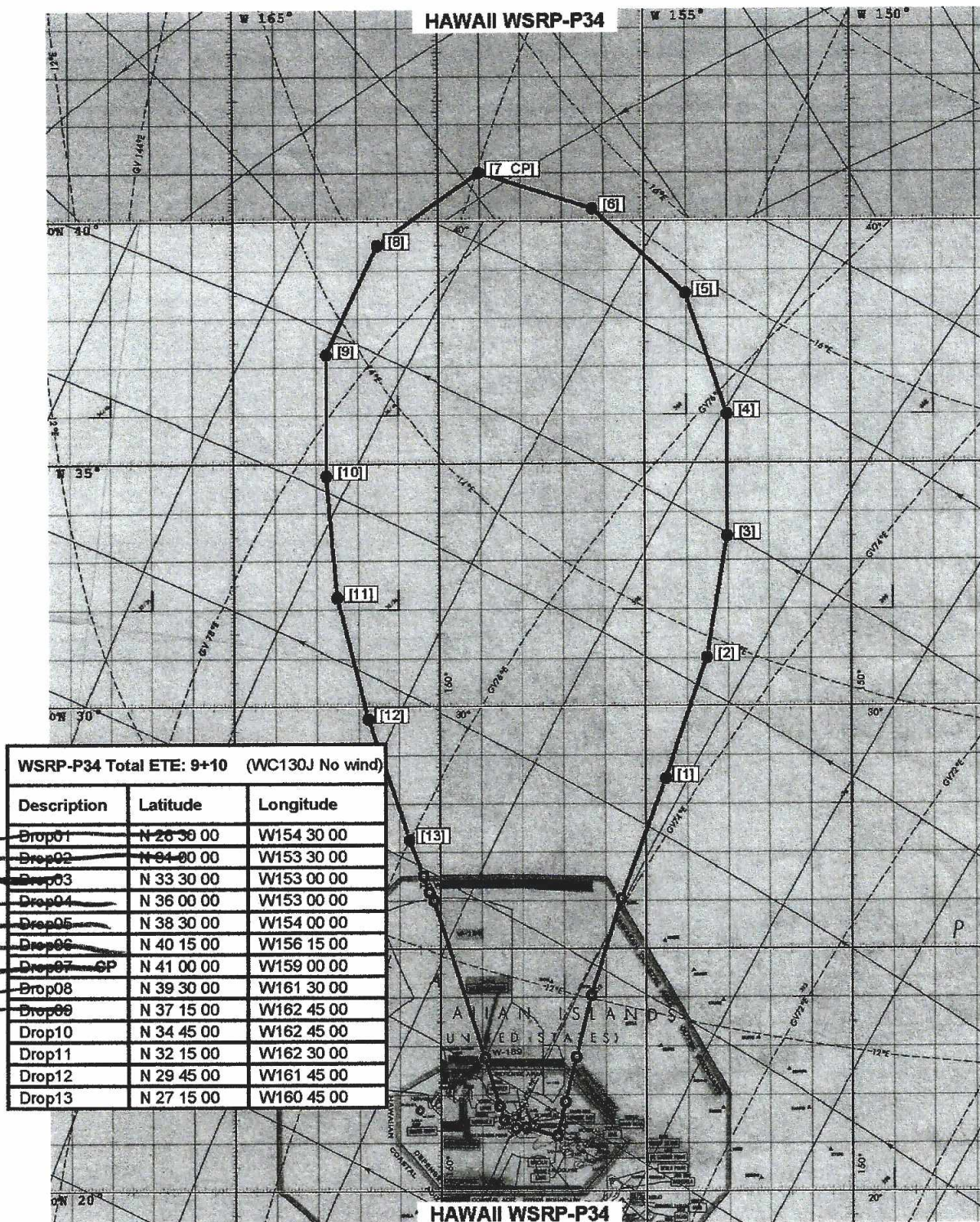


Figure H-4. Hawaiian Flight Track WSRP-34.

06WSC TRACK34 H-5

