



NOAA G-IV ERROR SUMMARY
WINTER STORMS 2007
TRACK46



Flight ID: N070211

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW, VNS
Accelerometer	ACINS
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.

All other instruments worked optimally during the flight.

All 14 tempdrop messages were successfully sent to NCEP and made it into the 12/00Z model run.

	Takeoff	Landing
Aircraft Static Pressure	1020.9mb	1018.7mb
Corrected Tower Pressure	1020.7mb	1018.4mb

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

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

AOCWF-1

Flt ID: <i>N070211</i>	From: <i>PHNL</i>	To: <i>PHNL</i>
Flt No: <i>07-30</i>	Blk In: <i>0328Z</i>	ATA: <i>0326Z</i>
ETD: <i>2000Z</i>	Blk Out: <i>1941Z</i>	ATD: <i>1952Z</i>
ETE:	Blk Time: <i>7:47 (7.8)</i>	Flt Time: <i>7:34 (7.6)</i>
Sponsor Org: <i>NWS/NCEP</i>	Program: <i>WINTER STORMS</i>	Purpose: <i>TRACK 46</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:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation

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

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

AOCWF2

Flt ID: *N070211* Time Off: *1952Z* Time On: *0326Z*

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	<i>1020.9</i>	<i>30.14 / 1020.7</i>	<i>1018.7</i>	<i>30.98 / 1018.8</i>

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	<i>1</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>14</i>	<i>all good : 14 messages sent to NCEP.</i>

Video

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

Remarks *1945Z passed ASOS**For 2/10/07**4pm 30.02 / 1016.6**5pm 30.05 / 1017.4**about data for
Coul until 2/10/07 JLT*

225 (02)

N49RF AOC GPS Dropwindsonde Log

Flight ID N070211 Flight Director DAN BARD Page 1 of 1

Mission ID 07WSC Storm TRACK46

350/09

020/14

Drop #	Channel # Sonde ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	063019019	214807	25°35'	139°58'	1021.2	SET SC	Added SFC wind 171019	2	—	2211Z
2	063019019	214807	25°35'	139°58'	1021.2	SET SC	Added SFC wind 171019	2	—	2211Z
3	063019019	220204	26°15'	131°20'	1020.5	THIN CIRCU OVERCAST	Added SFC wind 174359	4	—	2245Z
4	063019010	221817	27°31'	135°00'	1020.3	THIN CIRCU OVERCAST	Added SFC wind 174359	4	—	2245Z
5	063019004	223512	29°38'	132°05'	1020.1	THIN CIRCU OVERCAST	Added SFC wind 174359	5	—	2252Z
6	063019007	225241	31°46'	132°16'	1018.7	THIN CIRCU OVERCAST	Added SFC wind 174359	6	—	2322Z
7	063019006	231112	31°00'	133°17'	1017.6	THIN CIRCU OVERCAST	Added SFC wind 174359	7	—	2350Z
8	063019005	233340	35°30'	135°15'	1014.9	SET CU	185129	8	—	2352Z
9	063019001	235229	36°00'	138°17'	1013.2	THIN CIRCU OVERCAST	193858	9	—	0040Z
10	063019020	001907	35°30'	141°15'	1020.9	THIN CIRCU OVERCAST	201147	10	—	0125Z
11	063019020	004045	34°00'	142°52'	1023.5	THIN CIRCU OVERCAST	202443	12	—	0125Z
12	063019020	010351	33°15'	146°45'	1023.5	THIN CIRCU OVERCAST	211136	14	—	0212Z
13	063019020	010351	33°15'	146°45'	1023.5	THIN CIRCU OVERCAST	211136	14	—	0212Z
14	063019020	014851	30°00'	151°30'	1024.4	THIN CIRCU OVERCAST	211136	14	—	0212Z

End at

End at

N49RF AVAPS DropSonde Log

Project: WS '07 Flight ID: 070211N Flt Dir: Damiano
 Mission: Trk 46 Flight #: 7 Status: Sys 1 ☒ Sys 2 ☒ Launcher S/N: 02

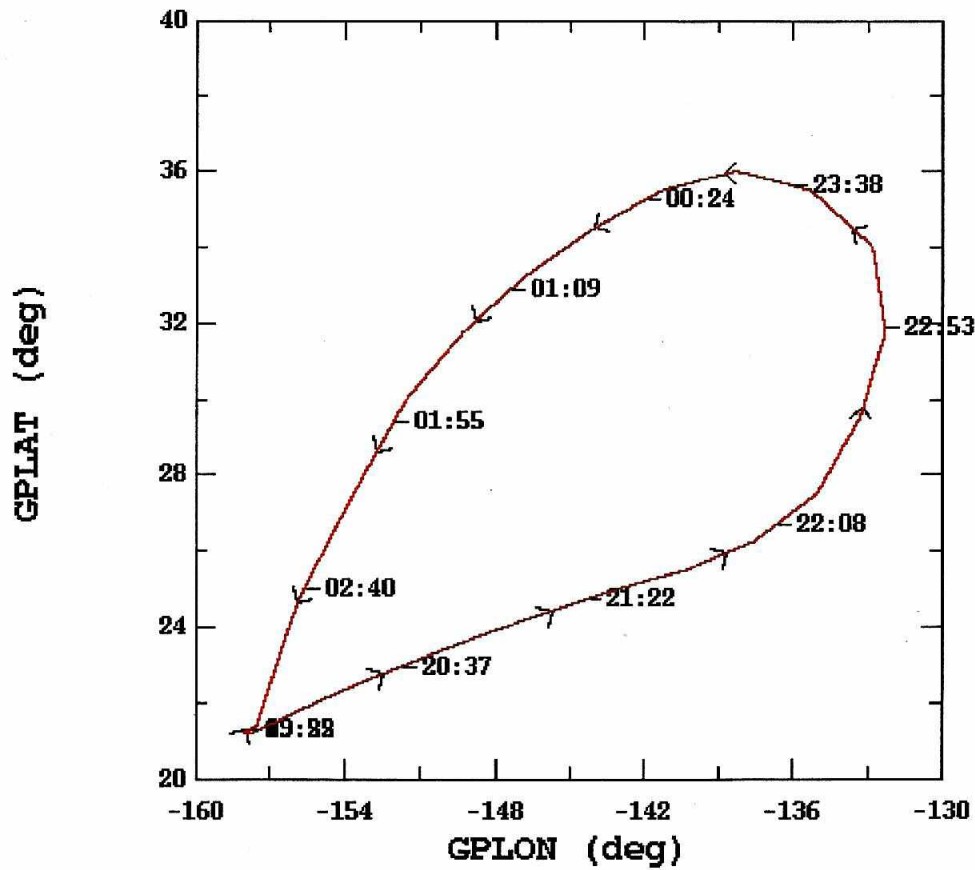
Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	063019091	1	2130	0	2	DWC	OK	N	☒
2	063019019	2	2148	.6	4				☒
3	062949009	1	2202	0	5				☒
4	062949010	2	2218	.7	1				☒
5	062949004	1	2235	0	2				☒
6	062949007	2	2252	.6	3				☒
7	062949006	1	2311	0	2				☒
8	062949005	1	2333	0	1				☒
9	062949011	1	2356	0	7				☒
10	063019020	1	0019	0	9				☒
11	060416032	1	0040	0	27				☒
12	053636071	1	0103	.7	1				☒
13	061229050	1	0126	0	3				☒
14	053636082	1	0148	0	1	✓	✓		☒
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\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS _____ = _____ = _____

02:28:10	26 12.60'N	154 38.33'W	161.5	-54.4	-69.6	277.9	21.5	13264.5	13223.8	220.5	215.7	231.6
220.7	0.37 at 43k over bkn circu											
03:25:57	21 18.93'N	157 55.49'W	1019.2	24.1	12.5	28.3	9.3	16.6	16.5	51.4	54.0	62.8
54.2	-0.29 land											

WinterStorms_2007 Track46

02/11/2007 UTC, 19:52:00-27:25:56



— GPLAT (deg), 1 s/sec
GPLON (deg), 1 s/sec

mean	sigma	min	max
28.57	4.91	21.18	35.99
-145.54	8.30	-158.02	-132.27

WSRP P-46 Total ETE: 11+38 (WC130J No wind)		
Description	Latitude	Longitude
Drop01	N 25 00 00	W 140 00 00
Drop02	N 25 30 00	W 140 15 00
Drop03	N 26 15 00	W 137 30 00
Drop04	N 27 30 00	W 136 00 00
Drop05	N 29 30 00	W 133 15 00
Drop06	N 31 45 00	W 132 45 00
Drop07	N 34 00 00	W 136 15 00
Drop08	N 35 30 00	W 138 15 00
Drop09	N 35 30 00	W 141 15 00
Drop10	N 34 30 00	W 144 00 00
Drop11	N 33 15 00	W 146 45 00
Drop12	N 31 45 00	W 149 15 00
Drop14	N 30 00 00	W 151 30 00

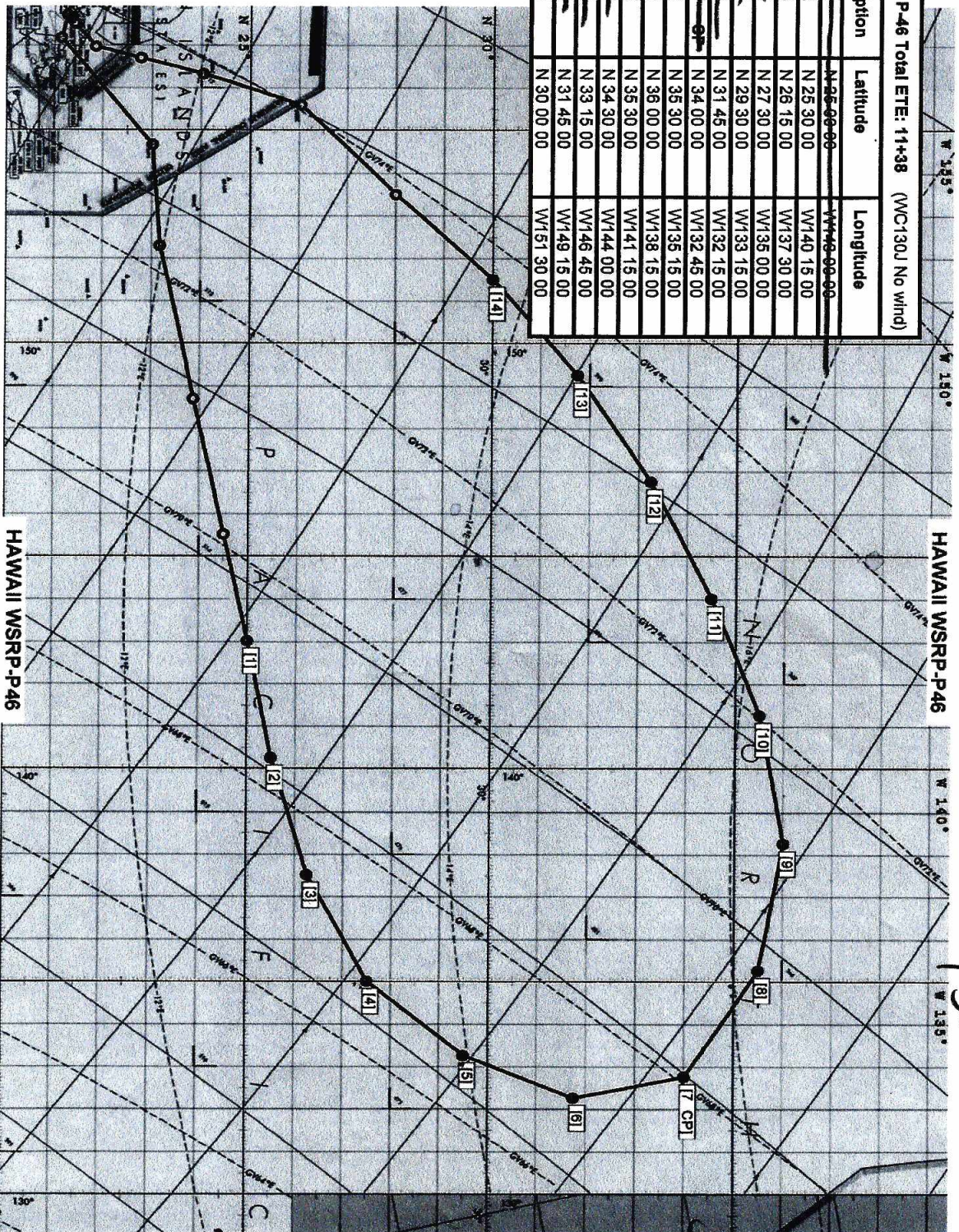


Figure H-16. Hawaiian Flight Track WSRP-46.

H-17

07 WSC TRACK 46

NAFC WASHINGTON
FIXED TIME FORECAST CHART
ICPD FREQ M SIG WK
FL 250-630
WLLIO 00 UTC 12 FEB 2007
IS IMPLY MOD OR SEV TURB. ICE AND WIND
NOT IN FLIGHT LEVELS. SPEEDS IN KNOTS
CHECK SIGMET'S FOR VOLCANIC ASH

