



NOAA G-IV ERROR SUMMARY
WINTER STORMS 2007
TRACK34



Flight ID: N070206

<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 was one data gap: 201250Z – 202306Z.

The Total Temperature #2 (TT2) probe was not available for this mission.

Static Pressure #1...PS1M...exhibited several stair-step jumps beginning at 212300Z and ending at 220400Z. This did not impact any meteorological derivations since it was not selected.

Dynamic Slip Pressure #2...DBP2...began producing erroneous output beginning at 233158Z and continued until 022800Z. 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 07/00Z model run.

	Takeoff	Landing
Aircraft Static Pressure	1017.2mb	1014.3mb
Corrected Tower Pressure	1017.4mb	1014.6mb

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

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

AOCWF-1

Flt ID: <i>N070206</i>	From: <i>PHNL</i>	To: <i>PHNL</i>
Flt No: <i>07-026</i>	Blk In: <i>0249Z</i>	ATA: <i>0245Z</i>
ETD: <i>2030Z</i>	Blk Out: <i>2001Z</i>	ATD: <i>2013Z</i>
ETE:	Blk Time: <i>6:48 (6.8)</i>	Flt Time: <i>6:32 (6.5)</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>	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
<i>BALAZS, G.</i>	<i>OPS</i>	<i>NOAA FISHERIES (HAWAII)</i>

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

Lost WINDS display shortly after T/O
hook ^{up} at 205Z

2050

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

AOCWF2

Flt ID: *N070206* Time Off: *2013Z* Time On: *0245Z*

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	<i>1017.2</i>	<i>30.05 / 1017.2</i>	<i>1014.3</i>	<i>29.988 / 1014.8</i>

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	<i># 2</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>17</i>	<i>4 bad: 3 no launch detect ; 1 freq misfire 13 messages sent</i>

Video

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

Remarks *2008Z part ASOS*

DBP2 close
224530Z
DBP2 fail
Carve back 022540Z

N49RF AOC GPS Dropwindsonde Log

Flight ID N070206 Flight Director DAMIANO Page 1 of 1
 Mission ID 03 WSC Storm TRACK34

Drop #	Station # (UTC)	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pms mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	063019015	225901	38°30'	153°30'	1012.7	CLE	NO LAUNCH DETECT	1	—	225902
2	063019022	225901	38°30'	153°30'	1012.7	CLE	NO LAUNCH DETECT	2	—	225902
3	063019028	225901	38°30'	153°30'	1012.7	CLE	NO LAUNCH DETECT	3	—	225902
4	063019089	220753	33°42'	153°00'	1013.4	OV CIR-CU	KW06173511	4	—	22362
5	063019090	220753	33°42'	153°00'	1013.4	OV CIR-CU	KW06173511	5	—	22362
6	063019015	225901	38°30'	154°00'	1012.7	CLE	NO LAUNCH DETECT	6	—	22362
7	063019025	225901	38°30'	154°00'	1012.7	CLE	NO LAUNCH DETECT	7	—	22362
8	06035654	225359	38°48'	154°22'	1012.0	CLE	KW06181948	8	—	23202
9	06035654	225359	38°48'	154°22'	1012.0	CLE	KW06181948	9	—	23202
10	055036320	233241	40°58'	159°00'	1002.3	OV CIR	—	10	—	00142
11	055036320	233241	40°58'	159°00'	1002.3	OV CIR	—	11	—	00142
12	055036298	235442	35°30'	161°30'	991.9	OV CIR-CB	KW06191334	12	—	00492
13	055036298	235442	35°30'	161°30'	991.9	OV CIR-CB	KW06191334	13	—	00492
14	055036317	003841	34°45'	162°45'	993.2	SC T AC	KW06195704	14	—	00592
15	062949012	012147	29°45'	161°45'	1004.4	SC T SC	KW06204519	15	—	01462
16	062949012	012147	29°45'	161°45'	1004.4	SC T SC	KW06204519	16	—	01462
17	063019015	225901	38°30'	153°30'	1012.7	CLE	NO LAUNCH DETECT	17	—	225902

Received 150m
 fixed 927m
 with
 CAA with temp
 FEED GROUP
 4 sat
 4 sat

N49RF AVAPS DropSonde Log

Project: Winter Storms¹⁰⁷ Flight ID: 070206n Flt Dir: Damiano
 Mission: Trk 34 Flight #: 3 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	063019097	1	2124	.6	1	DWC	OK	N	☒
2	063019022	1	2145	Ø	2		OK		☒
3	062019003	1	2206	.6			very late launch detected came in @ 20K ft.		
4	063949089	2	2207	Ø	28		B/U to drop#3		☒
5	063019090	1	2227	Ø	1		OK		☒
6	063019015	1	2250	Ø			No launch detected / fast fall		
7	063019025	2	2252	Ø			b/u drop#5 No launch detected		
8	060356154	3	2254	Ø	3		drop#5 b/u b/u		☒
9	053166010	1	2312	Ø	45		OK		☒
10	055036320	1	2332	Ø			No launch detected initially		
11	060226382	2	2335	Ø	26		Drop#7 b/u		☒
12	055036298	1	2354	Ø	2		OK		☒
13	055036279	1	0016	Ø	2				☒
14	055036317	1	0038	Ø	1				☒
15	060226257	1	0100	Ø	13				☒
16	062949012	1	0121	Ø	2				☒
17	063019017	1	0142	Ø	25				☒
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									

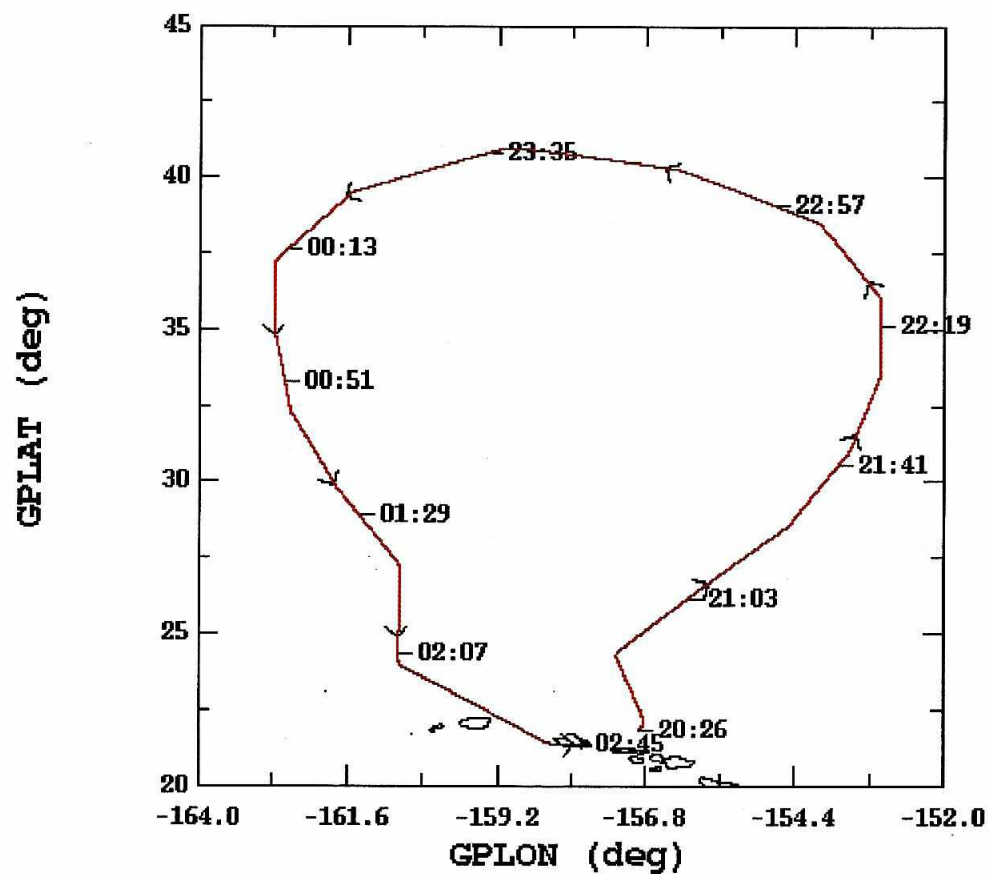
\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS _____ = _____ = _____

070206n	log V	Latitude Event	Longitude Comments	Press	Temp	DP	WD	WS	MSL Alt	G Alt	Heading	Track	TAS	
GS	20:12:55	21	18.41°N	157 56.11°W	1016.7	22.3	19.8	53.6	3.3	18.4	18.4	88.9	90.1	76.9
	74.2	0.22	t/o											
	20:41:09	23	34.04°N	157 07.15°W	195.9	-50.4	-62.2	275.1	48.6	12524.8	12485.5	337.2	348.9	231.5
	213.2	0.82	at 39k											
	21:24:36	28	30.02°N	154 30.17°W	177.8	-53.6	-69.8	279.3	63.1	12957.2	12920.4	9.7	25.3	230.5
	239.8	-0.47	drop	1 ws fail at 925mb										
	21:45:25	31	00.15°N	153 30.08°W	169.9	-53.1	-69.4	276.8	74.6	13142.9	13107.7	355.1	14.3	227.9
	225.3	-0.20	drop	2										
	22:06:07	33	29.89°N	153 00.13°W	169.7	-51.7	-69.1	274.1	74.3	13018.2	12986.3	346.6	5.6	231.6
	221.3	0.24	drop	3 no launch detect										
	22:07:51	33	41.99°N	152 59.99°W	169.4	-52.3	-69.1	273.5	72.3	13017.6	12985.9	342.4	0.3	231.5
	216.1	0.30	drop	3 bkup ws 25s										
	22:27:12	35	59.89°N	153 00.28°W	169.5	-51.5	-69.6	269.5	61.5	12900.5	12871.9	336.3	351.8	233.0
	216.7	-0.08	drop	4										
	22:50:14	38	29.99°N	154 00.79°W	169.8	-51.0	-68.3	264.8	45.5	12799.4	12774.1	317.5	327.7	233.0
	208.7	0.17	drop	5 no launch detect										
	22:51:54	38	38.10°N	154 10.04°W	169.7	-50.9	-68.4	263.6	46.1	12791.1	12766.0	306.8	315.4	233.3
	202.0	0.04	drop	5 bkup no launch detect										
	22:53:59	38	47.76°N	154 22.13°W	169.8	-51.1	-68.4	261.3	45.5	12784.0	12759.2	306.4	315.3	232.2
	202.5	0.44	drop	5 bkup bkup										
	23:12:36	40	14.73°N	156 15.49°W	162.3	-51.8	-69.7	249.6	40.5	13025.8	13001.6	294.1	302.3	231.7
	204.9	0.14	drop	6 ws 45s										
	23:32:39	40	57.47°N	159 00.34°W	162.4	-50.2	-68.6	239.5	31.1	12975.5	12952.4	256.3	258.9	231.8
	202.1	0.13	drop	7 freq mixup										
	23:35:28	40	47.79°N	159 21.14°W	162.2	-49.3	-68.4	234.6	27.3	12989.5	12966.1	232.6	232.1	233.4
	206.1	0.02	drop	7 bkup										
	23:54:40	39	29.69°N	161 29.47°W	162.4	-46.7	-66.6	237.6	30.4	12992.1	12967.2	220.3	217.7	233.8
	204.9	0.42	drop	8										
	00:16:56	37	14.80°N	162 44.59°W	154.9	-47.5	-66.5	242.5	40.0	13361.1	13332.1	199.5	192.0	234.1
	206.6	-0.18	drop	9										
	00:38:40	34	44.84°N	162 44.96°W	154.7	-48.5	-66.7	253.2	52.9	13486.9	13454.3	190.0	177.2	234.8
	216.3	-0.15	drop	10										
	01:00:14	32	14.97°N	162 29.90°W	154.8	-52.7	-68.5	259.6	69.9	13636.0	13599.9	187.3	170.0	231.6
	220.2	-0.45	drop	11 ws 14s										
	01:21:44	29	44.89°N	161 44.89°W	154.5	-56.5	-70.6	258.1	55.0	13804.3	13764.6	177.0	163.2	230.9
	228.9	-0.35	drop	12										

[illegible]

WinterStorms_2007 Track 34

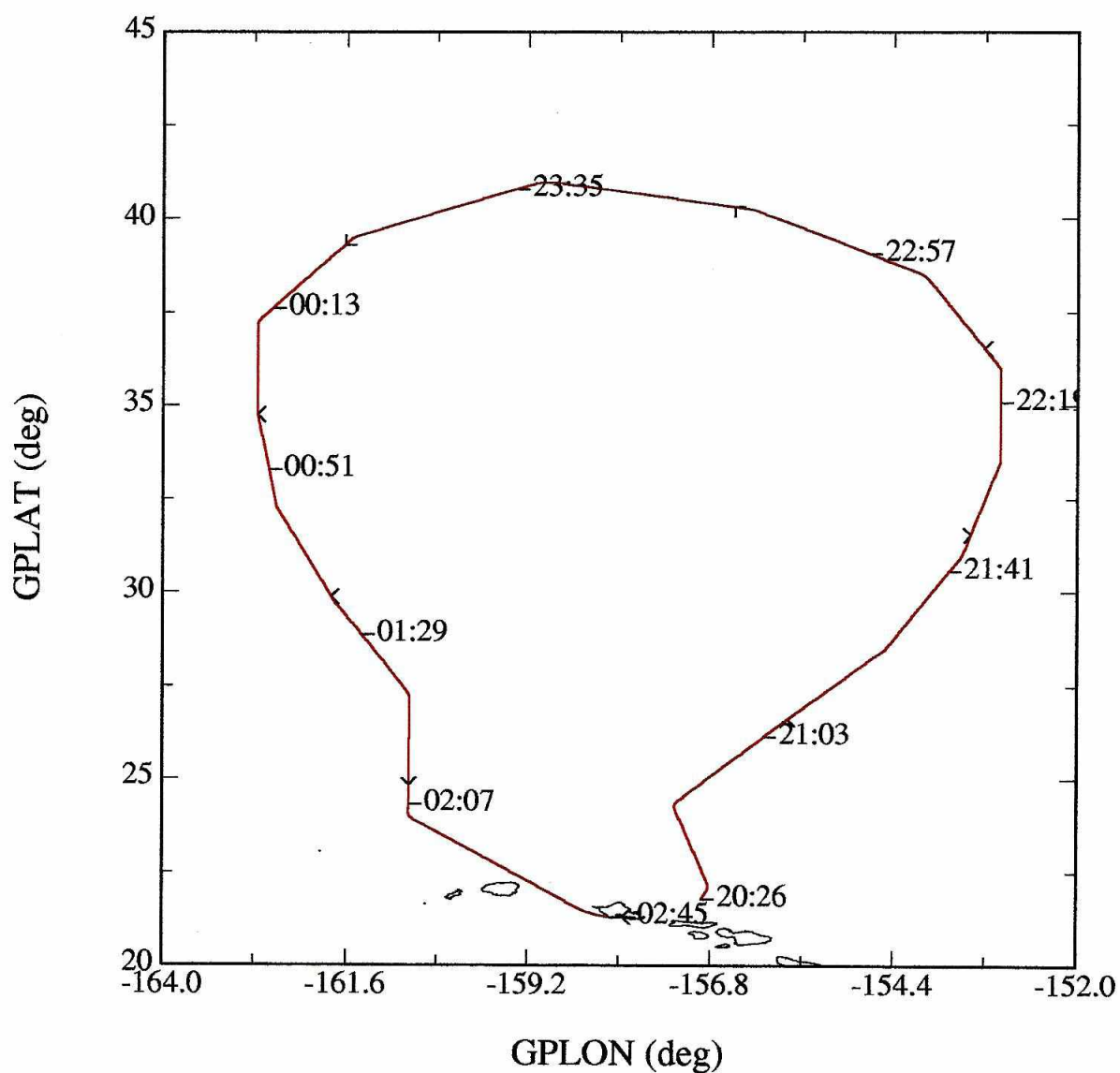
02/06/2007 UTC, 20:26:00-26:45:00



	mean	sigma	min	max
GPLAT (deg), 1 s/sec	31.76	6.12	21.33	40.96
GPLON (deg), 1 s/sec	-158.15	3.46	-162.75	-153.00

WinterStorms_2007 Track 34

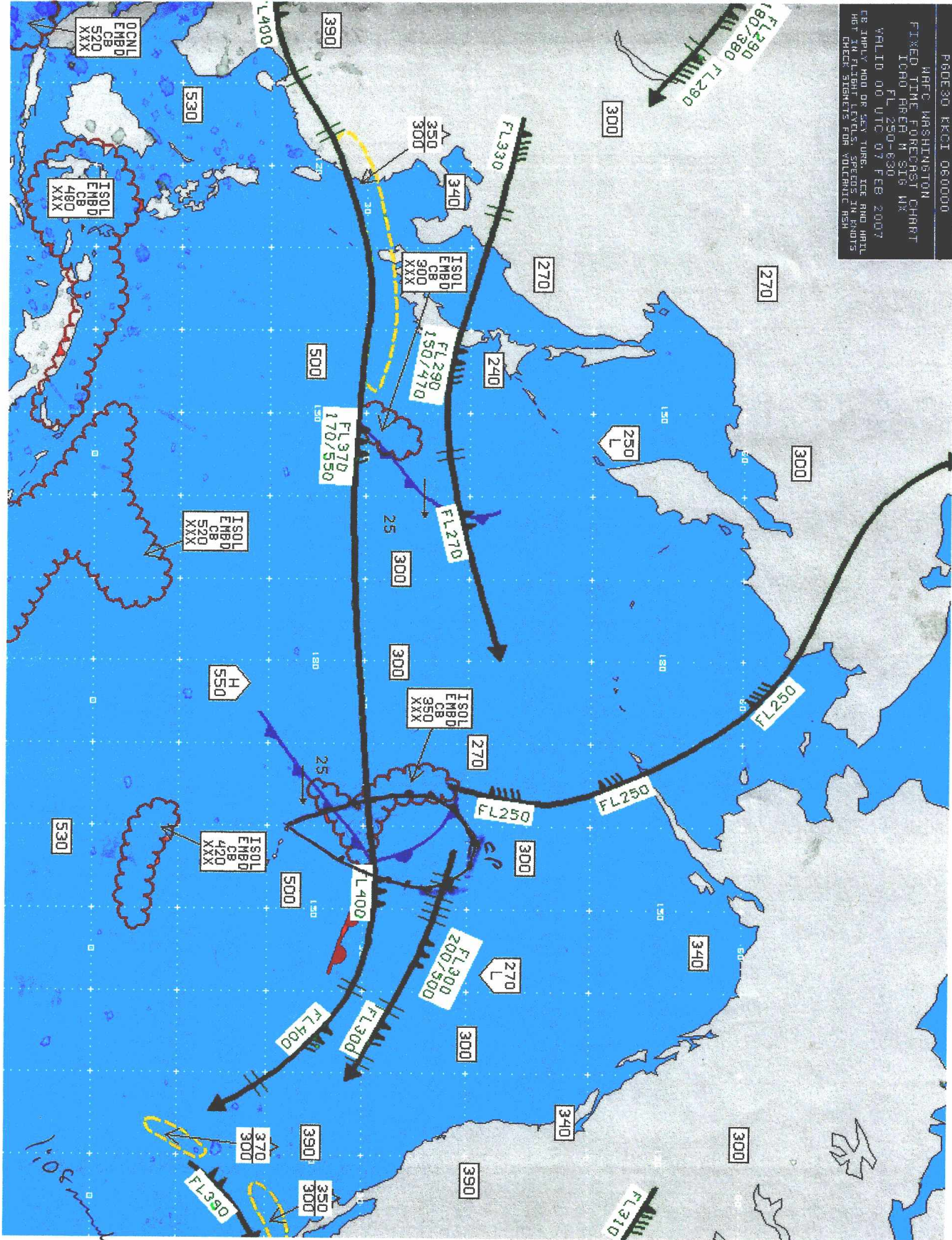
02/06/2007 UTC, 20:26:00-26:45:00



— GPLAT (deg), 1 s/sec	mean	sigma	min	max
GPLON (deg), 1 s/sec	31.76	6.12	21.33	40.96
	-158.15	3.46	-162.75	-153.00

NAVC WASHINGTON
FIXED TIME FORECAST CHART
ICR0 HREF M SIG M
FL 250-630

VALID 00 UTC 07 FEB 2007
CB IMPLY MOD OR SEV TURS, ICE AND WRL
HGT 10 FLIGHT LEVELS SPEED 74 KNOTS
CHECK SIGMETS FOR VOLCANIC RES



P00E30 KECI 080500
 WAFU WASHINGTON
 FIXED TIME FORECAST CHART
 ICHD AREA M SIG WX
 FL 250-630
 VALID 06 UTC 07 FEB 2007
 CB IMPLY MOD OR SEV TURB. ICE AND HAIL
 NOT IN FLIGHT LEVELS. SPEEDS IN KNOTS
 NOT CHECK SIGMENTS FOR VOLCANIC ASM

