



NOAA G-IV ERROR SUMMARY

WINTER STORMS 2007

TRACK54



Flight ID: N070119

<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 stair-step jumps at 210400Z and 211340Z. This did not impact any meteorological derivations since it was not selected.

All other instruments worked optimally during the flight.

Due to a number of communication failures, tempdrop OB 8 through to the last tempdrop, OB17, were sent via email after the G4 landed in Honolulu. These OBs did not make it into the 20/00Z model run.

	Takeoff	Landing
Aircraft Static Pressure	1021.1mb	1018.0mb
Corrected Tower Pressure	1021.2mb	1018.1mb

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

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28
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AOCWF-1

Flt ID: <i>N070119</i>	From: <i>PHNL</i>	To: <i>PHNL</i>
Flt No: <i>07-024</i>	Blk In: <i>03147</i>	ATA: <i>0308Z</i>
ETD: <i>1945Z</i>	Blk Out: <i>1931Z</i>	ATD: <i>1944Z</i>
ETE:	Blk Time: <i>7:43 (7.7)</i>	Flt Time: <i>7:24 (7.4)</i>
Sponsor Org: <i>NCEP/NWS</i>	Program: <i>WINTER STORMS</i>	Purpose: <i>TRACK 54</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:
ALMEIDA <i>ALMEIDA</i>	<i>PARRISH</i>

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation

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

*Comms problems for drops 8-17
had to email to Steve Benwick after landing
Drops 8-17 did not get into the 20/00Z model run*

*2118
15756*

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AOCWF2

Flt ID: *NA 70119* Time Off: *1944Z* Time On: *0308Z*

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	<i>1021.1</i>	<i>30.16 / 1021.2</i>	<i>1018.0</i>	<i>30.17 / 1018.1</i>

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	<i>1</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>17</i>	<i>1-7 good; OBS 1-7 sent from aircraft obs 8-17 via email on the ground</i>

Video

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

Remarks

*24
14**2104**211340*

N49RF AOC GPS Dropwindsonde Log

Flight ID N070119

Flight Director D Anderson

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Mission ID 01WSC

Storm TRACKS4

Drop #	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failure	Send Time (UTC)
1	053726023	210111	29°00'	158°45'	1023.6	stratiform CIR	KWBC-162802	1	—	2130Z
2	053716106	212325	38°25'	159°33'	1021.0	RKN CIR	KWBC-165116	2	1	2152Z
3	053636051	214515	33°51'	160°18'	1017.8	OVC CIR	KWBC-173634	3	1111	2237Z
4	053636049	220624	36°20'	160°52'	1012.2	OVC ALTO-CU	KWBC-173502	4	—	2236Z
5	060226131	222655	38°49'	161°20'	1005.3	—	KWBC-175924	5	111	2300Z
6	053636043	224738	41°14'	162°13'	995.2	OVC CIR	KWBC-180938	6	—	2310Z
7	053726019	230827	43°18'	164°08'	990.2	OVC CU/ALTO-CU	KWBC-183753	7	1	2338Z
8	053636050	232823	45°15'	166°01'	998.3	THUNDER CIR	KWBC-IMARSAT	8	1111	0031Z
9	053636015	235018	45°08'	167°32'	999.7	THUNDER CIR	KWBC-IMARSAT	9	—	0033Z
10	053636013	001320	40°45'	168°39'	1003.1	stratiform dec	IMARSAT	10	11	0051Z
11	053716391	003504	38°13'	168°32'	1002.5	OVC CIR	IMARSAT	11	507—	0115Z
12	060226133	005418	35°50'	167°30'	1004.0	OVC CIR	IMARSAT	12	—	out
13	053636046	011258	33°31'	166°20'	1009.1	OVC CIR	IMARSAT	13	—	0138Z
14	053636044	013152	31°14'	165°02'	1014.1	OVC CIR LOWE	IMARSAT	14	—	—
15	053716171	015016	29°00'	163°47'	1016.2	SET SC	—	15	—	—
16	053726020	020829	26°47'	162°26'	1018.4	SET SC	—	16	—	—
17	053726018	022623	24°32'	161°06'	1017.8	SET SC	—	17	—	—

used 4 satellites

N49RF AVAPS DropSonde Log

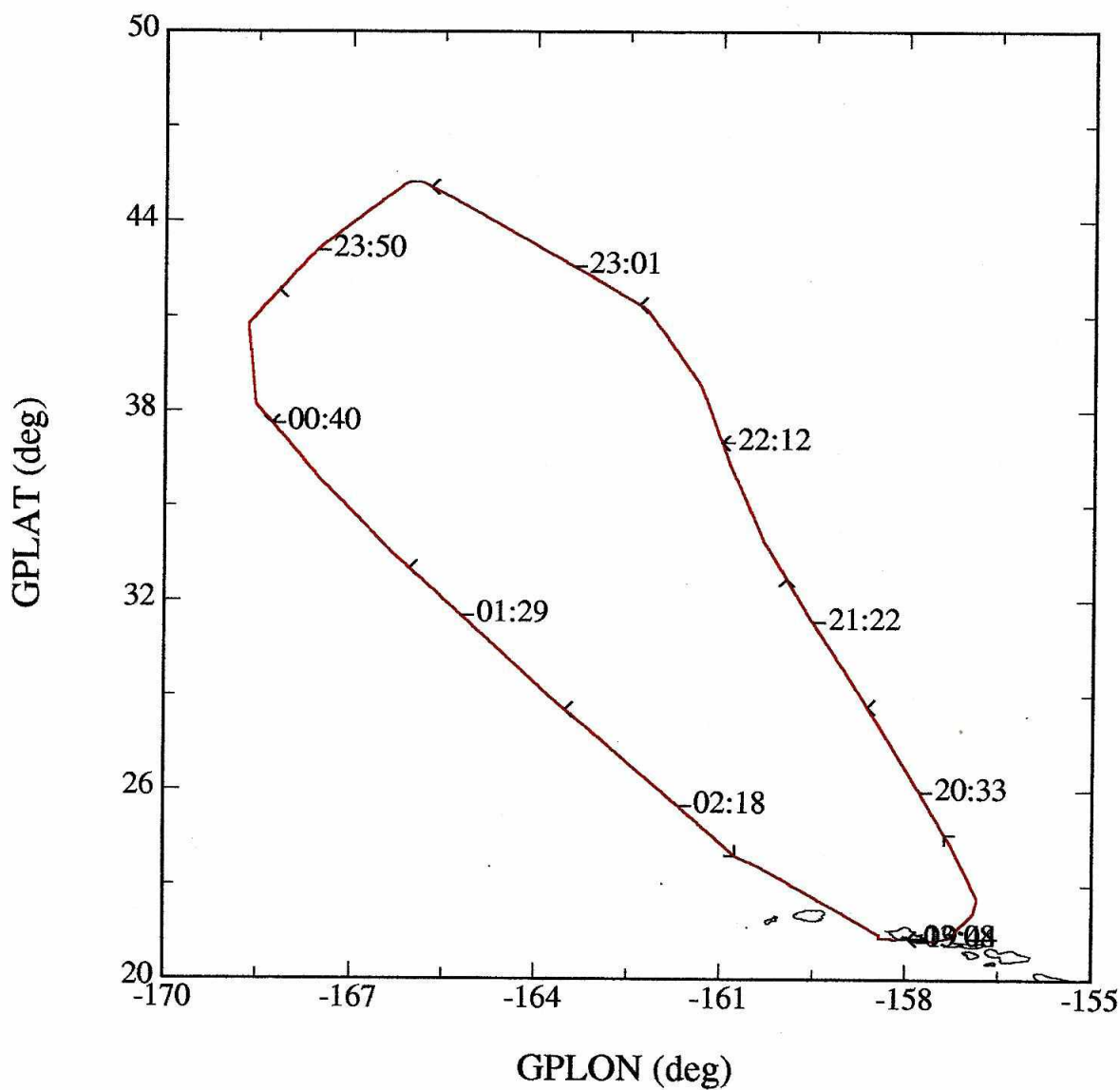
Project: Winter Storms '07 Flight ID: 070119n Flt Dir: Daniang
 Mission: Track 54 Flight #: 1 Status: Sys 1 ☒ Sys 2 ☒ Launcher S/N: 02

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	053 726 023	1	2101	Ø	4	DWC	OK	N	✓
2	053 716 106	1	2123	Ø	6	↓		N	✓
3	053 636 051	1	2145	Ø	2	↓			✓
4	053 636 049	1	2206	Ø	2	↓			✓
5	060 226 131	1	2226	Ø	1	↓			✓
6	053 636 043	1	2247	Ø	7	↓			✓
7	053 726 019	1	2308	Ø	4	↓			✓
8	053 636 050	1	2328	Ø	6	Jra			✓
9	053 636 015	1	2350	Ø	6	Jra			✓
10	053 636 013	1	0013	Ø	4	Jra			✓
11	053 716 391	1	0035	Ø	2	DWC			✓
12	060 226 133	1	0054	Ø	166	↓			✓
13	053 636 046	2	0112	Ø	1	↓			✓
14	053 636 044	1	0131	Ø	1	↓			✓
15	053 716 171	2	0150	Ø	1	↓			✓
16	053 726 020	1	0208	Ø	1	↓			✓
17	053 726 018	2	0226	Ø	1	↓			✓
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\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS _____ = _____ = _____

WinterStorms_2007 Track54

01/19/2007 UTC, 19:44:00-27:08:00



	mean	sigma	min	max
GPLAT (deg), 1 s/sec	32.93	7.36	21.23	45.26
GPLON (deg), 1 s/sec	-162.44	3.73	-168.65	-156.84

[illegible]

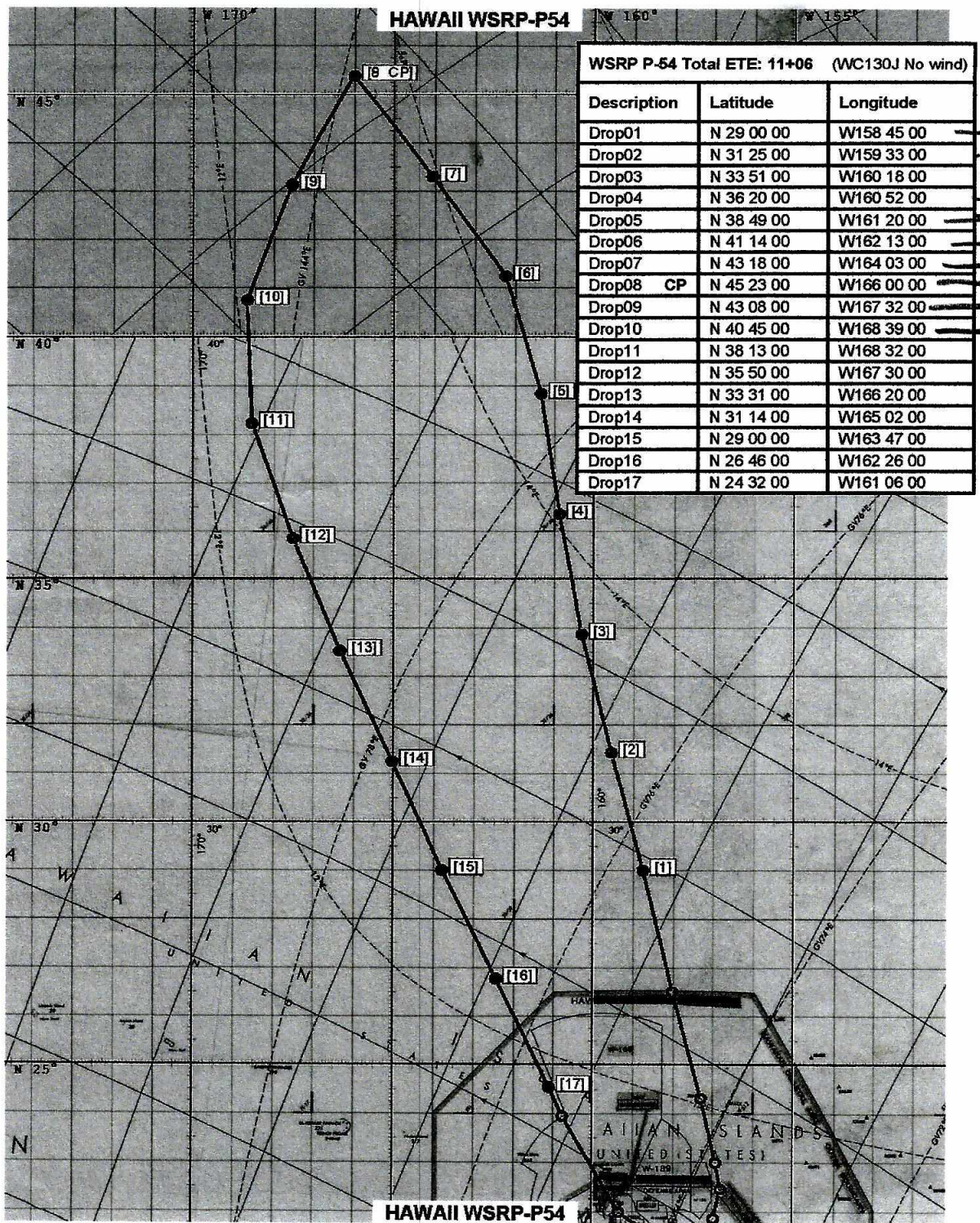
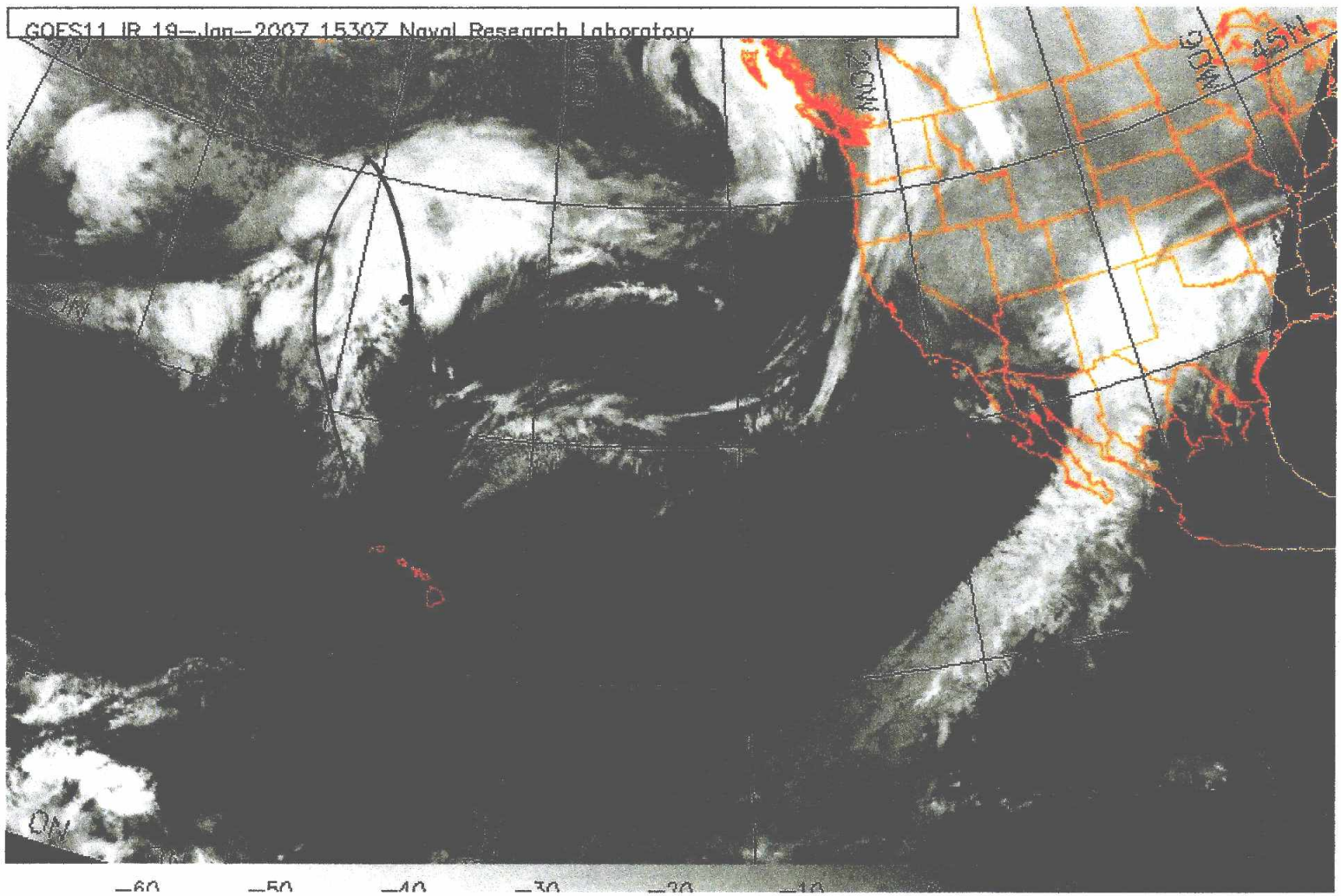
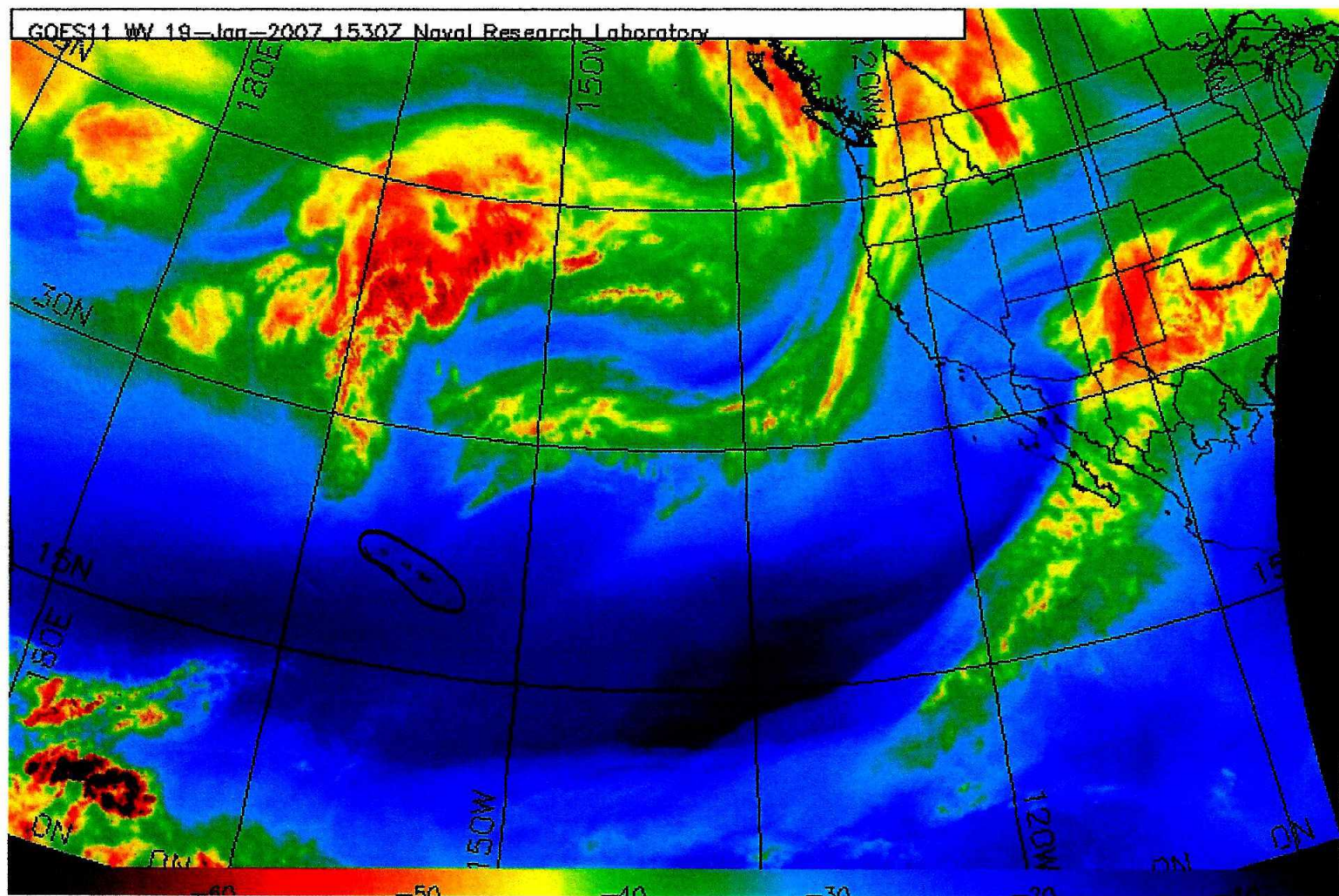


Figure H-24. Hawaiian Flight Track WSRP-54.

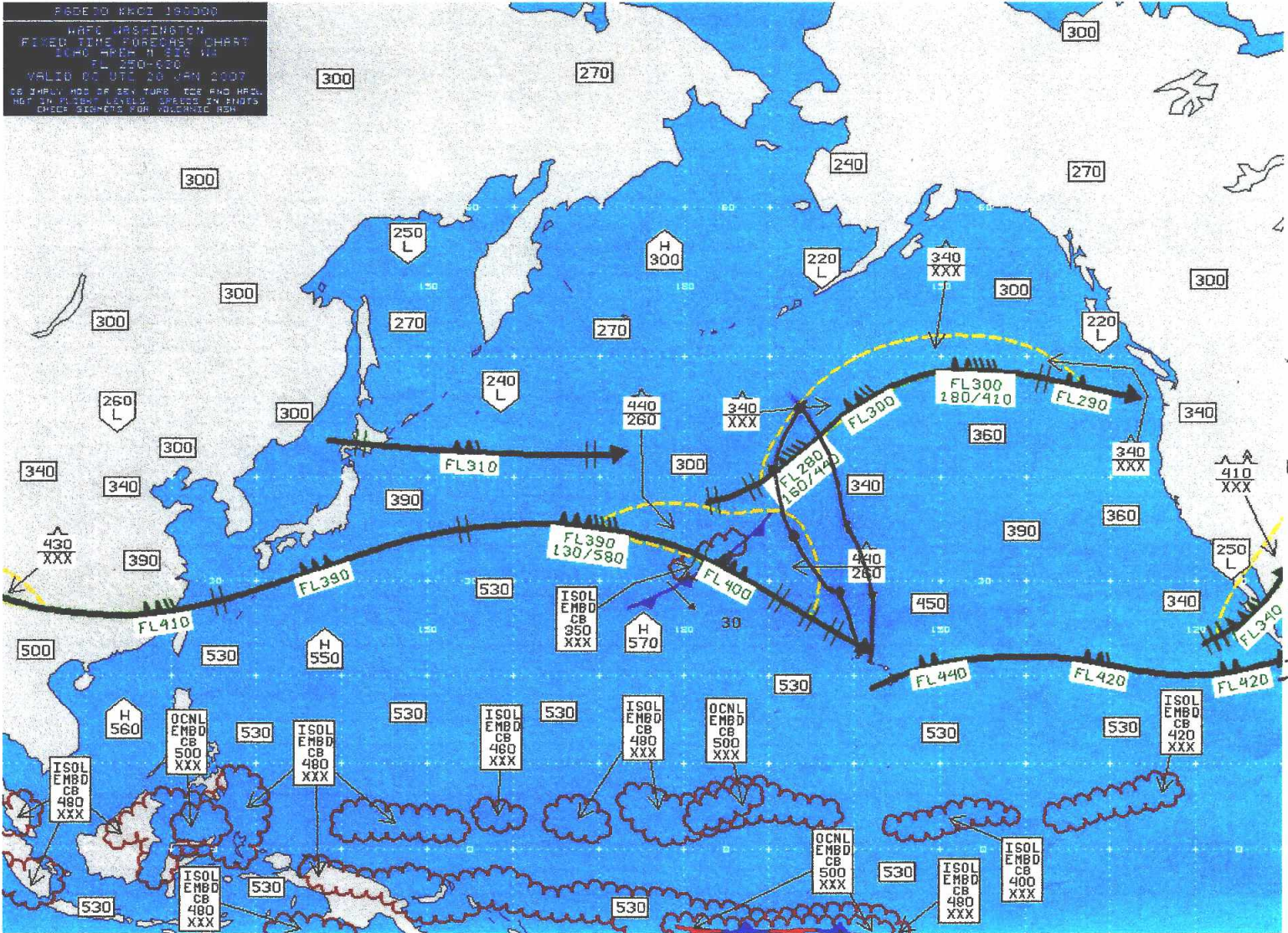
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FADETO KNCZ 180000
NAFCE WASHINGTON
FIXED TIME FORECAST CHART
1800Z APR 20 2007
FL 250-520
VALID 00 UTC 20 APR 2007
CG 34001 HDS OF SEV TURB, ICE AND HAIL
HGT IN FT 1500' LEVELS SPEEDS IN KNOTS
CHIEF SIGNETS FOR VOLCANIC ASH



170 160 150

GOES11 IR 19-Jan-2007 2300Z Naval Research Laboratory

