Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/21/22	18:25	E-W (M-S)	13.5	4.3		1.5		5.65				kl sf?	moderate	VI	Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 239, 241 [listed as moderate, must be strong]; DPH, 2/21/1922; not in HA or HSB	Hon notes (local shock); strongly felt and prolonged earthquake causing avalanches at Uwekahuna; azimuth WNW-ESE. Felt over E half of Hawaii); Warshauer notes: felt in Hilo, clothes pole and construction pole swayed wildly, one person fell down stairs
2/21/22	18:25	N-S (M-S)	18.3	4.3		1.5		5.78				do	do	do	do	do
5/23/22	3:23	E-W (M-S)	36.3	4.3		1.5		6.08				kl sf?	moderate	felt	could this be a Big Island quake?	ESPHVO, v. 3, p. 288 notes: dismantled instruments; felt locally
5/23/22	3:23	N-S (M-S)	29.1	4.3		1.5		5.98				do	do	do	do	do
5/26/22	9:07	E-W (M-S)	5.6	4.3		1.5	Honolulu time 1 hr later than Big Island event?; Hon duration 3 min	5.27				kl sf?	moderate	felt	ESPHVO, v. 3, p. 288; distance assumed	dismantled instruments; felt locally and at Hilo, Honomu and Waiohinu?
5/26/22	9:07	N-S (M-S)	4.3	4.3		1.5	Honolulu time 1 hr later than Big Island event?; Hon duration 3 min	5.15				do	do	do	do	do
11/21/22	13:57	E-W (M-S)	14.1	4.3		1.5	Hon Bulletin time 13:59	5.67				kl sf??		VI	Hon Station Bulletin (Hazard, 1924); not mentioned in WK; ESPHVO, v. 3, p. 357, 358, 359, 363; DPH, Nov. 21; 22/1922; HH, 11/23/1922; HDT, 11/21, 23/1922; HA, 11/22/1922; duration 5 minutes on Hilo seismograph; see also bib	felt over island; heavy shaking in Kona, Kau, Hamakua; also locally, Hilea, Hilo; dur 10-15 s; dismantled inst; Warshauer notes: strongly felt Hilo, Volcano; cracked houses and broke mirrors; two distinct shocks, 1st slight, 2nd felt in six separate waves
11/21/22	13:57	N-S (M-S)	6.3	4.3		1.5		5.32				do	do	do	do	do
1/14/23	12:58	E-W (M-S)	24.6	4.3		1.5	Honolulu time 12:59	5.91				hilea?	strong	IV (oahu); V-VI (hilea)	Hon Station Bulletin (McFarland, 1929); Cox, 1986 [awakened thousands implies int 5, more typically 4]; ESPHVO, v. 3, p. 378, 381, 386; MN, 1/15/1923; DPH, 1/15/1923; HSB, 1/17/1922; HA, 1/15/1922; not found in HH	Hon notes: Local shock; felt locally and all parts of Oahu; felt over Hawaii; slight damage, stone walls down in Hilea; Cox notes: felt all Oahu, Hawaii; Warshauer notes: see bib
1/14/23	12:58	N-S (M-S)	31.2	4.3		1.5		6.01				do	do	do	do	do
2/10/23	7:11:00	E-W (M-S)	2.0	4.20		1.5	Hon notes: an irregularity in the microseisms and does not measure an amplitude, thus guess an amp of 2 mm; mentioned in tribune-herald, but not enough for W&K to determine intensity	4.72				hilea??	moderate	IV-V	Hon Station Bulletin (McFarland, 1929) [no amplitude reported; assume 2 mm]; ESPHVO, v. 3, p. 390, 393; DPH, 2/10/1923; HA, 2/11/1923; not in HH; in HT, but not enough info for W&K to estimate intensity	Hon notes: an irregularity in the microseisms; quake felt [at HVO]; dismantled instruments, felt over Hawaii Island; Warshauer notes: quake last night felt all along this line of territory but not at the volcano; slight quake caused rockslide at Kilauea
2/10/23	7:11:00	N-S (M-S)	2.0	4.20		1.5		4.72				do	do	do	do	do
12/14/23	16:04:00	E-W (M-S)					no trace					ml mok??	slight		not in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 497	felt in Hilo, Kona and Kau
12/14/23	16:04:00	N-S (M-S)					no trace					do	do		do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/26/23	5:16:00	E-W (M-S)					Cox notes: UH seismograph out of comission [explains why this event was not found in Hon Bulletin]; felt Oahu, molokai, maui, and lanai (not hawaii); IV (Oahu); 0 (HVO)					molokai?	v feeble	IV (oahu)	not reported in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 497; Cox, 1986; MN, 12/28/1923	felt Oahu, Molokai and Lanai; Cox notes: UH seismograph out of commission, felt Oahu, Molokai, Maui, and lanai (not Hawaii); Warshauer notes: felt as sharp but short on Maui, no damage; not felt at Hilo, but felt on Oahu.
12/26/23	5:16:00	N-S (M-S)										do	do	do	do	do
5/17/24	4:03	E-W (M-S)	7.2	4.3		1.5	s-p gives 440 km from station; timing very similar to quake of May 30	5.38				kl cal deep?			Hon Station Bulletin (McFarland, 1929); not reported in Jaggar, 1947, p. 218; not found in MN	
5/17/24	4:03	N-S (M-S)	3.3	4.3		1.5	do	5.04				do	do	do	do	do
5/30/24	19:12:00	E-W (M-S)	24.6	4.3		1.5	Hon notes: evidently not far away	5.91				kl cal deep?	strong		Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 556; Jaggar, 1947, p. 259	Hon notes: evidently not far away; unusually strong; both instruments dismantled; raised dust cloud at pit; N S component set back 0.5 inch on drum; tilt strong NE; strongest quake felt here in a long time
5/30/24	19:12:00	N-S (M-S)	18.0	4.3		1.5		5.78				do	do	do	do	do
8/20/24	16:50:00	E-W (M-S)					Not reported in the Honolulu station bulletin; [M~5.0 predicts an amp of 4mm on Milne-Shaw]					kaoiki	moderate	V (Kau)	ESPHVO, v. 3, p. 590, 592, 595; [M~5.0 predicts an amp of 4 mm on Milne-Shaw, which was not reported in the Honolulu station bulletin]; HTH, 8/20/1924--see bib	earthquake centering near Kapapala, felt HVO, Hilo, Pahala, and Kona, but not Kapoho; distance 16 mi, felt all over Hawaii; isoseismal map in W&K, who suggest a Hilea epicenter
8/20/24	16:50:00	N-S (M-S)										do	do	do	do	do
8/23/24	10:40	E-W (M-S)					Hon time 10:50; same quake?					ml mok?	slight		[distance of 2 mi inconsistent with felt report; misprint for 20?] ESPHVO, v. 3, p. 590, 592, 595	sharply felt at HVO; felt very severe at Mokuaweoweo
8/23/24	10:40	N-S (M-S)										do	do		do	do
8/23/24	10:43	E-W (M-S)	6.9	4.20		1	Hon notes: onset to max 1m 10s; 1 sec period; [probably larger than 8/20/24 M5.0]	5.59				ml mok?	moderate	V Mok	Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 590, 592, 595; [probably larger than 8/20/24 M5.0 at Hilea which was not reported in Hon bulletin]; not in HTH	sharply felt at HVO; felt very severe and stone monuments shaken down and ground cracked open at Mokuaweoweo; seismographs dismantled; distance 20 mi; Hon notes: onset to max 1m 10s; 1 sec per
8/23/24	10:43	N-S (M-S)	8.1	4.20		1		5.66				do	do	do	do	do
9/11/24	3:33:00	E-W (M-S)	9.9	4.10		1.5		5.32				mauna kea?	slight		not found in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 604	ESPHVO v. 3, p. 604 notes (felt in Hilo and Honokaa)
9/11/24	3:33:00	N-S (M-S)										do	do		do	do
7/8/25	16:15:00	E-W (M-S)					Hon: looked for, not found					kaoiki?	slight	IV (Hon notes; W&K)	Hon Station Bulletin (Neumann, 1926c); ESPHVO, v. 3, p. 719; VL 29	felt all over Hawaii (moderate or strong?, or greater distance?); VL 28 has incorrect? time of 0645"; Hon notes: not registered but felt report received--time 16:20, felt by several at Kapaau; rapid bump; sounds faint rattle; 2 shocks

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
7/8/25	16:15:00	N-S (M-S)										do	do	do	do	do
7/30/25	7:48:00	E-W (M-S)	2.2	2.65		1.5	LAO=2.4-2.9	3.0-3.5				oahu	not recorded at Whitney	II-III Hon	ESPHVO, v. 3, p. 722; VL 32; Seismological Report (Hon Mag Obs), July-September, 1925 (Neumannn, 1926); Cox, 1986; not found in MN	felt in Honolulu, not recorded at Whitney; Hon notes: local shock; impulsive onset to max ~12 sec; 1 s per; duration 5 min); poss distance range thus 40-80 km; Cox notes: felt all parts of Oahu
7/30/25	7:48:00	N-S (M-S)	2.2	2.65		1.5	LAO=2.4-2.9	3.0-3.5				do	do	do	do	do
8/19/25	22:02	E-W (M-S)					Hon time 22:05					mauna kea?	slight	IV (Kohala)	ESPHVO, v. 3, p. 723, 725; VL 35; Seismological Report (Hon Mag Obs), July-September, 1925 (Neumannn, 1926)	felt in Hilo and Kohala; Hon notes: not recorded; felt report from Kohala, time 10:35, felt by sev; rpd bump rkg trm ls; sounds ld rmb rtl bef
8/19/25	22:02	N-S (M-S)										do	do	do	do	do
8/29/25	7:33	E-W (M-S)					Hon: looked for, not found					mauna kea?	feeble	IV (Kohala)	ESPHVO, v. 3, p. 723, 725; VL 36; Seismological Report (Hon Mag Obs). July-September, 1925 (Neumannn, 1926)	felt at Kona and Honokaa; plainly felt Kealakekua; not felt HVO; Hon notes: not registered; felt report from Kohala--felt by sev; doors mvd; rapid trm short dur; sounds rtl; USEQ notes: time 07:36; felt by several in Kohala; doors moved; short duration
8/29/25	7:33	N-S (M-S)										do	do	do	do	do
2/7/26	21:58:00	E-W (M-S)	6.2	3.28		1.5	Hon notes: phases 5 and 17 sec apart (s-p?); 1-2 sec period; duration 45 sec; [140 km from honolulu and 1.5 sec period puts location at w maui]; Cox, p. 64 notes: 124 mi from kilauea [quotes vl; couldn't find]	4.29				maui?	tremor?	IV (Hon/Maui); II (Ewa, Oahu); III (Hon)	Seismological Report, January-March, 1926 (Neumann and Service, 1927; ESPHVO, v. 3, p. 785, 793 [time given as 11:30 in table]; VL 59; Cox, 1986, p. 64; HTH, 2/8/1926; MN, 2/10/1926	Hon notes: Local shock; felt Honolulu and Maui; Cox notes: 124 mi from Kilauea; Warshauer notes: sharp shock on Maui (like an explosion) and Honolulu; two shocks on Maui 2 min apart, 2nd at 11:30 brought people out doors; also felt on Oahu; also see bib
2/7/26	21:58:00	N-S (M-S)	6.3	3.28		1.5		4.30				do	do	do	do	do
2/28/26	17:11:00	E-W (M-S)					Hon: looked for, not found					kaoiki?	moderate	V (W&K)	Seismological Report, January-March, 1926 (Neumann and Service, 1927); ESPHVO, v. 3, p. 786, 793; VL 62 [repeats info in ESPHVO]; HTH, 3/1/1926	Hon notes: felt reports; eq under Mauna Loa; felt all island of Hawaii, dur >10 sec at Kilauea; dism seis at HVO and Kona; broke pipe at Kapapala; followed by detailed felt report; USEQ notes (felt by many standing); see 1921-1932 eq file and bib
2/28/26	17:11:00	N-S (M-S)										do	do	do	do	do
3/20/26	9:03:00	E-W (M-S)	8.8	3.90		1.5	Hon time 9:04; honolulu 1-3 sec period; [assume 1.5 sec period]	5.07		≥6	W&K	alenuihaha	moderate	V (Kohala); IV-V (Honolulu)	Seismological Report, January-March, 1926 (Neumann and Service, 1927); Cox, 1986; ESPHVO v. 3, p. 796, 798, 803; VL 65; HTH, 3/20/1926; HSB, 3/20/1926; HA, 3/20, 21/1926; MN, 3/24/1926	Hon notes; detailed felt reports; ESPHVO notes: long swaying quake dism seis; severe in Kohala; bottles fell in Hilo; felt, small tsu in Hon; felt on Maui and Oahu; Warshauer notes: see 1921-1932 eq file and bib
3/20/26	9:03:00	N-S (M-S)	10.0	3.90		1.5		5.12				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/20/26	17:57	E-W (M-S)										alenuihaha	slight		Neumann and Service, 1927a; ESPHVO, v. 3, p. 796, 798, 803; VL 65; HTH, 3/20/1926; HSB, 3/20/1926; HA, 3/21, 27/1926; MN, 3/24/1926	Hon notes: felt; aftershock felt at Kohala, felt locally; recorded at Hilo, Kona, Hilea and HVO; Warshauer notes: felt at Kohala 7:30 AM, not as strong as last night's shock; a very light quake was felt in Hilo shortly after 7
3/20/26	17:57	N-S (M-S)										do	do		do	do
4/10/26	13:30	E-W (M-S)					Hon: no precursory shocks noted								Beginning of Mauna Loa sw rift eruption; ESPHVO, v. 3, p. 812, 836 notes: of 85 felt quakess this month, 24 shocks dismantled seismographs	Hon Notes: Several shakes preceded eruption of Mauna Loa; shocks almost incessant until 20th
4/10/26	13:30	N-S (M-S)													do	do
4/12/26	22:11	E-W (M-S)					Hon: not reported in station bulletin					ml swr?	dismantled ?		ESPHVO, v. 3, p. 812	swaying eq, producing the effect of e-w rocking ; felt Pahala and HVO
4/12/26	22:11	N-S (M-S)										do	do		do	do
4/12/26	22:18	E-W (M-S)					Hon: not reported in station bulletin					ml ner?	dismantled ?	III (Honomu)	Neumann, 1928; ESPHVO, v. 3, p. 812; VL 68	felt by many at Honomu, rpd trm; 2s, val.; USEQ notes: 22:25 felt by many int. III); stronger than 11:41 quake; not individually listed in table; felt Pahala and HVO; majority of shakes from extension of mlswr; some from mok and mlner
4/12/26	22:18	N-S (M-S)										do	do	do	do	do
4/13/26	15:00	E-W (M-S)					Hon: not reported in station bulletin					ml swr?	dismantled ?		not reported by Hon Mag obs; ESPHVO, v. 3, p. 812; HSB, 4/14/26	one of 2 strongest shakes of series; Waiohinu telephone operator timed shock Tuesday morning [Apr. 13], dur 1 min
4/13/26	15:00	N-S (M-S)										do	do		do	do
4/13/26	18:00	E-W (M-S)					Hon: not reported in station bulletin					ml swr?	dismantled ?		ESPHVO, v. 3, p. 812	felt at HVO
4/13/26	18:00	N-S (M-S)										do	do		do	do
4/14/26	1:00	E-W (M-S)					not reported in Hon station bulletin					ml swr?	dismantled ?		ESPHVO, v. 3, p. 812	sharp shock felt at HVO
4/14/26	1:00	N-S (M-S)					do					do	do		do	do
4/14/26	6:11	E-W (M-S)	4.8	4.15		1.5	Hon time 6:12	5.05				hilea	dismantled ?		Neumann, 1928; ESPHVO, v. 3, p. 807, 813, 817; HTH, 4/15/1926	unusually sharp quake felt on Mauna Loa this evening; quake with strong, twisting motion felt at HVO, dur >30 sec (Whitney); alarming shock at 7:45 PM with wrenching movement and creaking of rocks; Honolulu time 19:41; Warshauer notes: hm crack widened
4/14/26	6:11	N-S (M-S)	26.0	4.15		3		5.21				do	do		do	do
4/15/26	16:16	E-W (M-S)	7.8	4.15		3	Hon time 16:17	4.69				ml swr?	dismantled ?		ESPHVO, v. 3, p. 818	felt (at Wingate camp?; Honolulu time 5:46
4/15/26	16:16	N-S (M-S)	4.2	4.15		1.5		4.99				do	do		do	do
4/17/26	8:29	E-W (M-S)	5.1	4.15		3	Hon time 8:30	4.51				ml swr?	dismantled ?		not specifically mentioned is ESPHVO or VL	
4/17/26	8:29	N-S (M-S)	4.2	4.15		3		4.42				do	do		do	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/18/26	13:15	E-W (M-S)	2.1	4.15		1.5	Hon time 13:16	4.69				ml swr?	dismantled ?		ESPHVO, v. 3, p. 818	felt (at Wingate camp?); Honolulu time 2:45
4/18/26	13:15	N-S (M-S)	7.8	4.15		3		4.69				do	do		do	do
4/18/26	15:03	E-W (M-S)	5.1	4.15		3	Hon time 15:04	4.51				ml swr?	dismantled ?		ESPHVO, v. 3, p. 818	felt (at Wingate camp?); Honolulu time 4:33
4/18/26	15:03	N-S (M-S)	5.0	4.15		3		4.50				do	do		do	do
4/19/26	0:27	E-W (M-S)	26.0	4.15		3		5.21				ml swr?	dismantled ?		Neumann, 1928 has eq at 14:00, 325 km distant; ESPHVO, v. 3, p. 813, 818, 831; HA, 4/19/1926	Hon notes: origin time accepted over HVO felt times; sharp earthquake felt at HVO and elsewhere at 14:05; felt (at Wingate camp? at 13:45; USEQ notes: strong shock; Honolulu time 13:57; distance 325 km; Warshauer notes: see 1921-1932 eq file and bib
4/19/26	0:27	N-S (M-S)	23.0	4.15		3		5.16				do	do		do	do
4/19/26	19:43	E-W (M-S)		4.15			Hon: not reported in station bulletin					ml swr?	dismantled ?		not reported at Hon Mag obs; ESPHVO, v. 3, p. 831; HSB, 4/19/1926; HTH, 4/25/1926	dismantled seismographs at Hilea, Hilo and Kealakekua; felt at, said to be the strongest yet; Warshauer notes: Severe earthquakes at 9:06 and 9:46 this morning were reported from but were not felt at, Kau; felt locally
4/19/26	19:43	N-S (M-S)		4.15								do	do		do	do
4/21/26	3:30	E-W (M-S)		4.15			not reported in Hon station bulletin					ml swr?	dismantled ?		not reported in Neumann, 1928; ESPHVO, v. 3, p. 813	strong, swaying earthquake, with displacement to n and e, felt at HVO
4/21/26	3:30	N-S (M-S)		4.15			do					do	do		do	do
4/22/26	15:03:00	E-W (M-S)	4.2	4.20		3	[honolulu readings almost obscured by microseisms; calc mag is low]	4.47				ml swr?	dismantled ?	V (W&K); III (Honolulu)	ESPHVO, v. 3, p. 806, 812, 833; VL 70; no list of separate events; MN, 4/24/1926; HTH, 4/22, 24/1926; HSB, 4/22/1926; HA, 4/23/1926	widely felt over island; dismantled seismometers at Hilo, Hilea, Kealakekua and HVO; one of 2 strongest shakes of series; strongly felt at Kahuku ranch 4:35 am; Warshauer notes: see 1921-1932 eq file and bib
4/22/26	15:03:00	N-S (M-S)	2.1	4.20		3	do	4.17				do	do	do	do	do
6/1/26	5:40	E-W (M-S)					Hon time 5:38					hilea?	slight	III (Waiohinu)	ESPHVO, v. 3, p. 854; VL 75; Seismological Report, April-June, 1926 (Neuman, 1928)	felt locally and Hilo; Hon notes: not recorded; felt by many sitting []; abr prolonged but not severe, finished trm; dishes rtl; pln rky; USEQ notes: repeats Neumann, 1928
6/1/26	5:40	N-S (M-S)										do	do	do	do	do
6/4/26	12:23	E-W (M-S)	1.2	4.10		1.5	Hon time 12:24	4.40				ml ner?	slight	II (Honomu)	ESPHVO, v. 3, p. 858; VL 76; Seismological Report, April-June, 1926 (Neuman, 1928); not found in MN	slightly felt in Hilo (VL); Hon notes: felt by sev lying down [Honomu]; grd trm, N-S; 2 shocks abt 2 s each; USEQ notes: repeats Neumann, 1928
6/4/26	12:23	N-S (M-S)	4.5	4.10		3		4.40				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/9/26	20:04:00	E-W (M-S)					Hon: not reported in station bulletin					kaoiki	dismantled	V (W&K); IV-V Kapapalaa ; USEQ notes: IV Waiohinu; IV Pahala; III Pepeekeo	Neumann, 1928; ESPHVO, v. 3, p. 856, 858; VL 76; HTH, 6/9/1926	Hon notes; felt reports only in 1921-1932 file; dism seis, distance 16 mi to the SW; felt locally and stronger at Kapapala; widely felt over island, shook items from shelves at Kapapala; felt reports from, and Pepeekeo; Warshauer notes: repeats info
6/9/26	20:04:00	N-S (M-S)					do					do	do	do	do	do
12/26/26	7:56	E-W (M-S)					Hon: not reported in station bulletin					ml swr?	moderate	IV Waiohinu	ESPHVO, v. 3, p. 912, 913; VL 105; Seismological Report, October-December, 1926 (Neumann, 1928); not registered on Oahu	felt locally; felt Hilo & Waiohinu; 46 mi from Hilo; probably near Mauna Loa summit; time 21:00; Waiohinu--felt by many; rpd trm appeared to be from N to S; pln rky; U.S EQ notes; repeats Neumann, 1928.
12/26/26	7:56	N-S (M-S)					do					do	do	do	do	do
1/24/27	17:19	E-W (M-S)					Hon: not reported in station bulletin					kona	vf		ESPHVO, v. 3, p. 927, 929; VL 109	strongly felt in Kona (VL)
1/24/27	17:19	N-S (M-S)										do	do		do	do
1/26/27	13:51	E-W (M-S)					Hon: not reported in station bulletin					kohala?	v f	IV N. Kohala	ESPHVO, v. 3, p. 929; Seismological Report, January-March 1927 (Neumann, 1929)	apparently not felt at HVO; time 3:20; North Kohala--felt by many; abr bmp; rtl sounds; USEQ notes: repeats Neumann, 1929
1/26/27	13:51	N-S (M-S)										do	do	do	do	do
3/20/27	15:22:00	E-W (M-S)	280.0	4.10		1.5	Hon notes: felt throughout Hawaiian islands, probably submarine origin; on NS motion too rapid to record maximum; 1 sec per; [assume 320 km dist from Hon and 1.5 sec period]; Isoseismal map in W&K	6.77		6	W&K	mauna kea os deep?	moderate	V (W&K) IV-V (Honolulu)	Neumann, 1929 [felt reports in 1921-1932 eq file]; Isoseismal map in W&K; ESPHVO, v. 3, p. 943, 949; VL 117\; HTH, HA, and HSB, 3/21/1927; MN, 3/24/1927	heaviest eq since similar event on 3/19/26; dism seis at HVO and Hilo, no direction or distance; felt with about equal int all Hawaiian group; app deep-seated; items shaken from shelves in Hilo; severe all Maui ex Hana; Warshauer notes: see bib
3/20/27	15:22:00	N-S (M-S)	>130	4.10		1.5		>6.43				do	do	do	do	do
3/20/27	16:27:30	E-W (M-S)	6.0									mauna kea os deep?			Hon notes: teleseism recorded at 5:57-6:12 [not local to islands]; no felt reports [conflicts with report in HTH]; HTH, 3/21/1927; MN, 3/24/1927	Warshauer notes: a second shock [also felt throughout the islands?] came at 5:59 and lasted until 6:06 a.m.; not noticed on Maui [presumed aftershock, not recorded at HVO because seismographs not put back in operation?]
3/20/27	16:29:00	N-S (M-S)	13.2									do			do	do
5/1/27	1:03	E-W (M-S)					Hon: not reported in station bulletin					mauna kea	slight	IV (Haina)	Neumann, 1930; ESPHVO, v. 3, p. 962; VL 123 [max accel 11.0 mm/sec/sec, minimum slight?]	not recorded; time 13:34 [wrong?]; Haina---felt by part of pop; many alarmed; windows rtl; rpd trm, then bmp, then trm: 15 s; 1d thn sounds; hls, rky; felt locally; felt by a few in HVO and Hilo; Hilo dist 34 mi; followed by vf aftershocks

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/1/27	1:03	N-S (M-S)										do	do	do	do	do
7/7/27	13:51	E-W (M-S)	>2?	4.20		1?	Detected on Hon seismograph at 13:52; no amps published; [very rapid activity suggests high frequency & deep event]	>5.06				ml swr??	moderate	IV-V HVO; III at Haina & Honomu & Kohala	Neumann, 1930; ESPHVO, v. 3, p. 993, 1002; VL 133 [sugg. high freq. deep event; hotspot activation?]	Hon notes: det, no amp; very rapid; Haina-felt by majority; rpd bmp EW about 10 s; 2d shock about 1/2 m; Honomu-felt by many; rpd rkg SW; Kohala-felt by many; rpd bmp; 2 shocks each 2 or 3 s; hls; felt all island; wakened persons at summer camp [hnp]
7/7/27	13:51	N-S (M-S)	>2?	4.20		1?	do	>5.06				do	do	do	do	do
7/25/27	12:37	E-W (M-S)					Hon: not reported in station bulletin					ml nf??	slight	II (Honomu)	ESPHVO, v. 3, p. 1002; VL 135; Seismological Report, July-September, 1927 (Neumann, 1930); HTH, 7/25/1927	felt locally; felt Volcano & Hilo, possibly elsewhere; Hon notes: time 2:10; Honomu--felt by sev; grd rkg NS; mts.; US EQ notes: repeats Neumann, 1930; Warshauer notes: two quakes, 2:07 and 6:13 a.m. felt at Hilo and Volcano districts
7/25/27	12:37	N-S (M-S)					do					do	do	do	do	do
7/25/27	16:43	E-W (M-S)					Hon: not reported in station bulletin					ml nf??	slight		ESPHVO, v. 3, p. 1002; VL 135; HTH, 7/25/1927	felt locally; felt Volcano & Hilo, possibly elsewhere; [see below 7/26 at 6:02 in Neumann, 1930; date wrong??]; Warshauer note: two quakes, 2:07 and 6:13 a.m. felt at Hilo and Volcano districts
7/25/27	16:43	N-S (M-S)					do					do	do		do	do
7/25/27	21:58	E-W (M-S)					Hon: not reported in station bulletin					unknown	v feeble		ESPHVO, v. 3, p. 1002	no felt report; USEQ notes: time 26/12:00 HST [wrong date?]; Waiohinu: felt by few; int II (Waiohinu)
7/25/27	21:58	N-S (M-S)										do	do		do	do
7/25/27	22:26	E-W (M-S)					Hon: not reported in station bulletin					unknown	feeble		ESPHVO, v. 3, p. 1002	no felt report; USEQ notes: time 26/12:08 HST [wrong date?]; Waiohinu: felt by few; int IV (Waiohinu)
7/25/27	22:26	N-S (M-S)										do	do		do	do
7/26/27	11:59	E-W (M-S)					Hon: not reported in station bulletin					unknown	feeble		ESPHVO, v. 3, p. 1002	no felt report; USEQ notes: time 27/01:30 HST [wrong date?]; Waiohinu: felt by few; int III-IV (Waiohinu)
7/26/27	11:59	N-S (M-S)										do	do		do	do
7/31/27	12:44	E-W (M-S)					Hon notes (1 sec per.; dur 40 sec; local shock; misinterpreted as quarry blast					kl cal deep??	feeble	II (Kohala and Honomu)	ESPHVO, v. 3, p. 1002, 1044 [narrative suggests that this event and those in early august could be Kilauea events responding to the collapse of the lava column]; VL 136; Seismological Report, July-September, 1927 (Neumann, 1930	felt locally; felt; barely perceptible (I = II); time 02:20; Honomu--felt by sev; rpd tws; val. Kohala--felt by sev; grd trm; fnt sounds before and during shock; Hon notes: local shock; misinterpreted as quarry blast??; USEQ notes: repeats Neumann, 1930
7/31/27	12:44	N-S (M-S)										do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/3/27	20:12	E-W (M-S)		4.20			Hon notes (No EW record; s-p 29 sec [implies 240 km dist; too close]; recorded teleseismically at OTT & TOR; 2 sec per. assume 1.5)					kaoiki?	'strong'	VI (W&K); V (hilo)	Neumann, 1930 [felt reports in 1921-1932 eq file]; ESPHVO, v. 3, p. 1002; VL 136; HA, 8/6/1927; HTH, 8/3/1927; HSB, 8/5/1927; not found in MN	seis dismantled, felt; Kona & Hilo seis dismantled, felt by nearly everyone, strongly felt in Hilo, items off shelves; Warshauer notes: recorded equally at Kona, Hilo and HVO; felt strongly Hilo, no damage; Kona, dishes off shelves; lighter locally
8/3/27	20:12	N-S (M-S)	27.4	4.20		1.5		5.86				do	do	do	do	do
2/5/29	12:55:00	E-W (M-S)	12.0	4.3		2				5.36		kl cal deep		IV (R-F); V (WK)	Peters, 1929; ESPHVO, v. 3, p. 1184, 1185, 1189; VL 215, 216; HA, 2/11/1929; HSB, 2/5/1929; not found in HTH or MN	Hon notes: felt in Mauna Loa section of Honolulu; local to Kilauea; deep quake under e side of island, s part of Kilauea; felt throughout island of Hawaii inc. hnp, Hilo, Kohala; Warshauer notes: strongly felt eq; felt as far as Kona and Kohala
2/5/29	12:55:00	N-S (M-S)	11.8	4.3		2				5.36		do	do	do	do	do
3/2/29	20:54:00	E-W (M-S)	13.5	4.20	2.0	2	period given	5.31				kaoiki		III R-F (VL)	Peters, 1929; ESPHVO, v. 3, p. 1194; VL 219; moderate? (see reference to amplitudes of slight earthquakes in VL 251, col 2, paragraph 3!)	Hon notes: registered; 17 mi from HVO in Kapapala direction, felt-hnp; caused small landslide on E side of Halemaumau, probably in the Kapapala direction
3/2/29	20:54:00	N-S (M-S)	12.0	4.20	2.0	2	period given	5.26				do		do	do	do
6/18/29	19:12:00	E-W (M-S)	3.0	4.20	1.5	1.5	period assumed	4.90				kaoiki?	s (st?)		Peters, 1929; ESPHVO, v. 3, p. 1206; VL 234; HTH, 6/18/1929; HSB, 6/18/1929; not found in HA or MN	Hon notes: local; very short period; strongly felt at hnp; Warshauer notes: the first of three tremors was barely noticeable in Hilo
6/18/29	19:12:00	N-S (M-S)	2.8	4.20	1.5	1.5	period assumed	4.87				do	do		do	do
6/18/29	20:01:00	E-W (M-S)	48.0	4.05	1.5	1.5	period assumed	5.95				kona?	moderate	VI (HTH)	Peters, 1929; ESPHVO, v. 3, p. 1206; VL 234; HTH, 6/18/1929; not found in MN	Hon notes: local shock; not rep felt; strongly felt at hnp with prolonged E-W swaying; felt at halfway house (Kau), acc by a rumble, trees set in motion; felt at Hilo, where articles displaced from shelves; Warshauer notes: see 1921-1932 eq file and bib
6/18/29	20:01:00	N-S (M-S)	36.0	4.05	1.5	1.5	period assumed	5.83				do	do	do	do	do
9/23/29	5:04:00	E-W (M-S)	3.0	3.95	1.5	1.5	period assumed	4.65				hualalai	m (kona)		Peters, 1929; VL 248: 79 seismic spells in 22 hours felt at Puu Waawaa	time from Hon record; Hon notes: The following shocks with origin in the volcano district on Hawaii Id. were recorded. The period is short, between 1 and 2 seconds, and only the "P" phase is definitely distinguishable
9/23/29	5:04:00	N-S (M-S)	3.0	3.95	1.5	1.5	period assumed	4.65				do	do		do	do
9/23/29	7:58:00	E-W (M-S)	6.0	3.95	1.5	1.5	period assumed	4.95				hualalai	m (kona)	V?	Peters, 1929; VL 248: 79 seismic spells in 22 hours felt at Puu Waawaa; WK table shows 9/23 night; should be 9/22	time from Hon record; Hon notes: The following shocks with origin in the volcano district on Hawaii Id. were recorded. The period is short, between 1 and 2 seconds, and only the "P" phase is definitely distinguishable

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
9/23/29	7:58:00	N-S (M-S)	6.0	3.95	1.5	1.5	period assumed	4.95				do	do	do	do	do
9/24/29	18:14:40	E-W (M-S)	12.0	3.95	1.5	1.5	period assumed	5.25				hualalai	m (kona)	V? (BSSA, 1929)	time from Honolulu record-10.5 hrs subtracted; HTH, 9/25/1929	Warshauer notes: the hardest tremor in this city]Hilo] was felt at 7:45 this morning
9/24/29	18:14:40	N-S (M-S)	9.0	3.95	1.5	1.5	period assumed	5.12				do	do	do	do	do
9/25/29	0:29:30	E-W (M-S)	12.0	3.95	1.5	1.5	period assumed	5.25				hualalai	st (kona)?	V? (WK)	time from Honolulu record-10.5 hrs subtracted	
9/25/29	0:29:30	N-S (M-S)	5.0	3.95	1.5	1.5	period assumed	4.87				do	do	do	do	
9/26/29	4:51:00	E-W (M-S)	182.0	3.95	2.0	2	assume period 2s for larger shocks, 1s for smaller	6.19				hualalai	st (kona)	VIII (VL; USE?)	in catalog; WK magnitude 6.1 assumes subcrustal depth based on intensity distribution and teleseismic magnitude; HA, 9/26/1929; HTH, 9/29/1929; Maui News, 10/2/1929	felt generally-Hawaiian island chain; damage report in VL 249; Warshauer notes: Ship captain in Kealakekua Bay felt quake as quivering, watched landslide into bay; time given as 6:23 PM; Kona inn twisted on its foundations; also severe in Kohala and Hilo
9/26/29	4:51:00	N-S (M-S)	154.0	3.95	2.0	2	period assumed	6.12				do	do	do	do	do
9/26/29	20:53:30	E-W (M-S)	6.0	3.95	1.5	1.5	period assumed	4.95				hualalai	st (kona)			
9/26/29	20:53:30	N-S (M-S)	4.0	3.95	1.5	1.5	period assumed	4.77				do	do			
9/28/29	8:49:50	E-W (M-S)	8.0	3.95	1.5	1.5	period assumed	5.07				hualalai	st (kona)	VI (HTH)	VL 249 lists time 10:50 AM; WK list time 11:20 AM; neither fits Honolulu record	
9/28/29	8:49:50	N-S (M-S)	6.0	3.95	1.5	1.5	period assumed	4.95				do	do	do	do	
9/28/29	8:57:35	E-W (M-S)	4.0	3.95	1.5	1.5	period given	4.77				hualalai	st (kona)			
9/28/29	8:57:35	N-S (M-S)		3.95	1.5	1.5	no trace					do	do			
9/28/29	9:15:30	E-W (M-S)	10.0	3.95	1.5	1.5	period assumed	5.17				hualalai			not in VL; time from Hon record	
9/28/29	9:15:30	N-S (M-S)	8.0	3.95	1.5	1.5	period assumed	5.07				do			do	
9/28/29	17:40:15	E-W (M-S)	30.0	3.95	1.5	1.5	period assumed	5.65				hualalai	vst (kona)	VII (HTH; USE)	VL time 7:08; HA, 9/29/1929	Bull. Seis. Soc. Am. (1929, v. 119, p. 185) gives location "15 mi e of Hilo in the Puu Oo district"; Warshauer notes: The Hilo district experienced several heavy shocks during the day; strongest shocks at 7 a.m. and 2 p.m.; distances 14-35 miles from HVO
9/28/29	17:40:15	N-S (M-S)	28.0	3.95	1.5	1.5	period assumed	5.62				do	do	do	do	do
9/29/29	1:47:35	E-W (M-S)	24.0	3.95	1.5	1.5	period assumed	5.55				hualalai	st (kona)	VI (HTH)	VL time 15:18; HA, 9/29/1929	Warshauer notes: The Hilo district experienced several heavy shocks during the day; strongest shocks at 7 a.m. and 2 p.m.[3? p.m.]; distances 14 35 miles from HVO
9/29/29	1:47:35	N-S (M-S)	28.0	3.95	1.5	1.5	period assumed	5.62				do	do	do	do	do
9/29/29	4:16:10	E-W (M-S)	14.0	3.95	1.5	1.5	period assumed	5.32				hualalai	st (kona)		time from Honolulu record-10.5 hrs subtracted; not listed in WK	
9/29/29	4:16:10	N-S (M-S)	22.0	3.95	1.5	1.5	period assumed	5.51				do	do		do	
9/29/29	16:01:15	E-W (M-S)	12.0	3.95	1.5	1.5	period assumed	5.25				hualalai	st (kona)		time from Honolulu record-10.5 hrs subtracted; not listed in WK	
9/29/29	16:01:15	N-S (M-S)	12.0	3.95	1.5	1.5	period assumed	5.25				do	do		do	
9/30/29	9:19:00	E-W (M-S)	10.0	3.95	1.5	1.5	period assumed	5.17				hualalai	st (kona)		time from Honolulu record-10.5 hrs subtracted	
9/30/29	9:19:00	N-S (M-S)	10.0	3.95	1.5	1.5	period assumed	5.17				do	do		do	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
9/30/29	22:24:10	E-W (M-S)	14.0	3.95	1.5	1.5	period assumed	5.32				hualalai	st (kona)	VI (HTH)	VL time 11:55; HA, 10/1/1929	Warshauer notes: Two severe shocks were felt in Hilo and Kona today. One of these, occurring at 11:55 a.m. was extremely heavy, destroying several stone fences on the slopes of Hualalai.
9/30/29	22:24:10	N-S (M-S)	16.0	3.95	1.5	1.5	period assumed	5.37				do	do	do	do	do
10/3/29	5:07:40	E-W (M-S)	4.0	3.95	2.0	2.0	period given	4.54				hualalai	st (kona)		time from Honolulu record-10.5 hrs subtracted; not listed in WK	
10/3/29	5:07:40	N-S (M-S)	4.0	3.95	2.0	2.0	period given	4.54				do	do		do	
10/3/29	20:12:43	E-W (M-S)	4.0	3.95	2.0	2	period given	4.54				hualalai	st (kona)		time from Honolulu record-10.5 hrs subtracted; not listed in WK	
10/3/29	20:12:43	N-S (M-S)	3.4	3.95	1.0	1	period given	5.04				do	do		do	
10/5/29	7:52:13	E-W (M-S)		3.95			seismometer dismantled					hualalai	st; vst (kona)	VIII (VL; USE?)	VL 250; WK accept GUTE magnitude 6.5; a crustal depth is consistent with isoseismal gradients	felt generally-Hawaiian island chain; damage report in VL 250; see also bib
10/5/29	7:52:13	N-S (M-S)		3.95			seismometer dismantled					do	do	do	do	do
10/8/29	11:07:45	E-W (M-S)	10.0	3.95	1.0	1	period ?-assume 1s; during following days record masked by heavy microseisms	5.51				hualalai	st (kona)			
10/8/29	11:07:45	N-S (M-S)	5.0	3.95	1.0	1	period given	5.20				do	do			
11/1/30	4:53:00						Hon: not recorded in station bulletin					ml swr?	slight		not registered on Oahu; VL 306, p. 2	felt locally by many persons, and by a few persons in Hilo; probably felt in Kau and Kona, but not strong enough to cause comment
11/1/30	4:53:00						do					do	do		do	do
2/4/33	16:47:00	E-W (M-S)		4.4			no time marks					kuer sf os deep	feeble-felt			felt at Holualoa, Hakalau, Hilo, HNP (IV)
2/4/33	16:47:00	N-S (M-S)	1.0	4.4	1.0	1.5	detected	4.62				kl kuer sf os deep?	feeble-felt	IV	50 mi due s of HVO; recorded at three stations; Honolulu amplitude average of two readings; VL 396; HVO unpub.	felt-Holualoa, Hakalau, Hilo, hnp; Honaunau-II; Hakalau-IV; hnp-windows rattled, pheasants squawked; Holualoa-IV; preferred magnitude calculated as average of Honolulu and nomogram
2/4/33	16:47:00	N-S (M-S)	1.0	4.4	1.0	1.5	repeat; noise about 0.8 mm	4.62				do	do	do	do	do
3/29/33	2:56:00	E-W (M-S)	1.0	3.85		1.5	no trace; threshold mag	4.07				kohala	vf-felt	IV	looked for, not found on Hon film record; VL 397; HVO, unpub	central Kohala; felt-Honokaa, Waikii, Honomu; Honokaa--3, dur few sec; Honomu-2, furniture shook; Kamuela 3; also felt at Waikii
3/29/33	2:56:00	N-S (M-S)	0.8	3.85		1.5	do	3.97				do	do	do	do	do
6/23/33	7:03:00	E-W (M-S)		4.10			no trace					mauna kea	f-felt	V	VL 400; HTH, June 23, 1933; HVO, unpub	Mana; SW of; reported at ≥ 3 stations felt by several; Warshauer notes: felt sharply over Hilo, not felt at volcano; Hilo-III, dur 10-15 sec, windows rattled, mirror swung;-IV, buildings creaked considerably for a few sec; Honomu-VI
6/23/33	7:03:00	N-S (M-S)	0.5	4.10	2.0	1.5	no trace; threshold mag	4.02				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/29/33	11:14:00	E-W (M-S)		3.95		3	no trace					hualalai	slight	VI	VL 400; HVO, unpub	reported at three or more stations- moved furniture; damaged stone walls; Puu Ulaula-V, awakened party of campers, dur 4-5 sec, dishes moved; Honomu-IV, long and feeble; Kealakekua-VI, building shuddered violently for 3-4 sec; Hookena-IV, objects moved, st
6/29/33	11:14:00	N-S (M-S)		3.95		3	no trace					do	do	do	do	do
7/31/33	22:26:00	E-W (M-S)		4.20		3	no record					kaoiki	slight	IV	VL 402; HVO, unpub	felt sharply Kapapala ranch; Pahala, Naalehu, Hookena, HNP; Hookena-II, water agitated in tank;-II, slight; Naalehu-IV, stone wall down?; Paauilo-IV, building shook, windows rattled; Kapapala-house shook strongly
7/31/33	22:26:00	N-S (M-S)	1.0	4.20	1.0	1		4.76				do	do	do	do	do
9/8/33	1:10:00	E-W (M-S)	1.0	4.15		1.5	no trace; threshold mag	4.37				hilea	s	III	looked for, not found on Hon film record; time from felt report; VL 403; HVO, unpub	felt-HVO, Hilo; Hilo-II, slight shaking and creaking of building
9/8/33	1:10:00	N-S (M-S)	1.0	4.15	1.0	1.5	no trace; threshold mag	4.37				do	do	do	do	do
10/13/33	13:31:00	E-W (M-S)	1.1	4.4		1.5	no trace; threshold mag	4.66	5.2+			kl ler sf os?	moderate	felt	closer?; slight?; VL 404; HVO, unpub.; not found in HTH	lightly felt; Kealakekua-prolonged gentle swaying east to west; Hilo-II, felt in Kaumana; preferred magnitude estimated from Honolulu data, consistent with felt report
10/13/33	13:31:00	N-S (M-S)	1.5	4.4		1.5	no trace; threshold mag	4.80	5.2+			do	do	do	do	do
10/19/33	16:27:00	E-W (M-S)	1.0	4.10		1.5	no trace; threshold mag	4.32				ml nf?	slight	V	looked for, not found on Hon film record; time given as 5:37- corrected from felt reports; VL 404; HVO, unpub	felt-Hilo, Honomu; Hilo-II, III, mirror swung, building creaked slightly, dur 15-20 sec; Honomu-II-III;-III, building creaked
10/19/33	16:27:00	N-S (M-S)	1.2	4.10		1.5	no trace; threshold mag	4.40				do	do	do	do	do
10/21/33	19:40:00	E-W (M-S)	1.0	4.20		1	noisy record-hard to distiguish two events	4.76				kaoiki	moderate	V?	VL 404; HTH, Oct. 21, 1933; HVO, unpub	felt all Hawaii island; Warshauer notes: severe shock felt all island, equally severe shock few sec later; felt all Hilo, v strong at Kapapala; additional felt data in HVO unpub
10/21/33	19:40:00	N-S (M-S)	1.0	4.20		1	noisy record-hard to distiguish two events	4.76				do	do	do	do	do
10/21/33	19:41:00	E-W (M-S)	5.0	4.20	3.5	3	noisy record-hard to distiguish two events	4.55				kaoiki	moderate	V?	VL 404; HTH, Oct. 21, 1933; HVO, unpub	felt generally Hawaii island; Warshauer notes: see above; Honomu V (first), VI (second), dur 3 sec, felt by everyone; Kealakekua-IV, building creak, window rattle; Kapapala-IV, felt 4 quakes (aftershocks at 6:30, 9:19, 10:20 PM 10/21 and 4:37 am 10/22)
10/21/33	19:41:00	N-S (M-S)	2.5	4.20	1.5	1.5	noisy record-hard to distiguish two events	4.82				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/2/33	16:25:00	E-W (M-S)	1.0	4.10		1.5	no trace; threshold mag	4.32				ml mok	slight	II R-F (VL)	VL 406, p. 2; HTH, Dec. 2, 1933	eruption begins in Mokuaweoweo at 05:43; tremor accompanies earthquakes; felt Hilo, Kona; Warshauer notes: Three strong earthquakes occurred at 6 a.m. coincident with eruption in Mokuaweoweo; felt severely at ml [Red Hill] rest house
12/2/33	16:25:00	N-S (M-S)	1.5	4.10		1.5	no trace; threshold mag	4.50				do	do	do	do	do
12/2/33	16:31:00	E-W (M-S)	1.0	4.10		1.5	no trace; threshold mag	4.32				ml mok	slight	V	VL 406, p. 2; HTH, Dec. 2, 1933; HVO, unpub	west rim of Mokuaweoweo; felt with alarm, ml [Red Hill] rest house; Warshauer notes: see above; Hilo-very slight (6:03 am)
12/2/33	16:31:00	N-S (M-S)	1.5	4.10		1.5	no trace; threshold mag	4.50				do	do	do	do	do
12/2/33	16:36:00	E-W (M-S)	1.0	4.10		1.5	no trace; threshold mag	4.32	4.26			ml mok	slight	VI (USE)	VL 406, p. 2; HTH, Dec. 2, 1933	3 mi NE of n end of Mokuaweoweo; felt with alarm, ml [Red Hill] rest house, lightly at Hilo; Warshauer notes: see above
12/2/33	16:36:00	N-S (M-S)	1.5	4.10		1.5	no trace; threshold mag	4.50	4.26			do	do	do	do	do
1/9/34	12:29:00	E-W (M-S)		4.15		3	no trace					hilea	slight	V	VL 407; HVO, unpub	felt-Hookena, Kapapala, Pahala, HVO; Hilo-slight, dur 15 sec; Hakalau-IV (time 4 am); Pahala-III, buildings shook; Hilea-sharp quake, dur 6 sec; Honaunau-III, awakened; Hookena-II (3 am)
1/9/34	12:29:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
1/14/34	00:05:00	E-W (M-S)	2.0	4.3	1.0	1		5.16	4.0-4.4			kl kuer sf os deep?	slight	V	Honolulu amplitude average of two readings; nomogram magnitude low-deeper? and/or moderate?; not mentioned in W&K; VL 407; HVO, unpub	felt generally Hawaii island; Hakalau-VI; Pahala-III, building shook/windows rattle; Holualoa-IV, long double quake, felt all north and south Kona; hnp-IV, window/door rattle acc by rumble, decided jolt, then 2nd lesser; Honaunau-III, windows rattle
1/14/34	00:05:00	N-S (M-S)	5.0	4.3	1.0	1		5.55	4.0-4.4			do	do	do	do	do
1/14/34	00:05:00	E-W (M-S)	3.5	4.3	1.5	1.5	repeat; noise 1.0mm, 1.5s	5.06	4.0-4.4			do	do	do	do	do
1/14/34	00:05:00	N-S (M-S)	7.0	4.3	1.5	1.5	repeat; noise 1.3mm, 1.5s	5.37	4.0-4.4			do	do	do	do	do
2/9/34	20:29:00	E-W (M-S)		4.15		3	record incomplete					hilea	slight	IV	VL 408; HVO, unpub	felt sharply Kapapala ranch; felt-Hookena,, HVO; Pahala-III, building creak and shake, Wood valley-cane thrashing, horse disturbed; Hookena-IV, dur 6 sec, building creak, hanging objects moving
2/9/34	20:29:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
2/25/34	4:01:00	E-W (M-S)		4.05			no record					mauna kea	vf-felt	IV	VL 408; HVO, unpub	felt-HVO, Hakalau,;-III, slight shock; hnp-felt at summer camp; Hakalau-IV
2/25/34	4:01:00	N-S (M-S)	1.2	4.05	2.0	1.5	no trace; threshold mag	4.35				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/2/34	8:52:00	E-W (M-S)		4.10		3	no trace					ml nf	slight	V	VL 408; HVO, unpub	felt generally Hawaii island; Pahala-II; Honomu-III, rocking, dur 1 sec, west to east; Hilo-felt strongly by person lying down, e-w followed by n s; Kona-felt; Hakalau-V
3/2/34	8:52:00	N-S (M-S)	1.7	4.10	2.0	1.5	no trace; threshold mag	4.55				do	do	do	do	do
4/9/34	12:36:00	E-W (M-S)		3.85		3	no trace					kohala	vf-felt	IV	VL 410; HVO, unpub	felt- Kohala, Hilo, Maui; Kohala-short, sharp earthquake; Kamuela and Kawaihae-felt; central Maui-felt by many; Hilo-slight;-felt; n Kohala-5 quakes between 1 and 8 am (no. disputed), slight, finishing sharp, severe, short;-III
4/9/34	12:36:00	N-S (M-S)		3.85		3	no trace					do	do	do	do	do
4/9/34	18:51:00	E-W (M-S)		3.85		3	no trace					kohala	f-felt	IV	VL 410; HVO, unpub	less widely felt; Kohala-short, sharp earthquake; Kamuela and Kawaihae-felt; Honomu-felt by many, 2 shocks (9:15 am), trembling, dur 2 sec;-felt; n Kohala-short, heavy shock acc by rumble;-IV
4/9/34	18:51:00	N-S (M-S)		3.85		3	no trace					do	do	do	do	do
4/15/34	6:21:00	E-W (M-S)	1.5	4.30		1.5	no trace; threshold mag	4.70				hilo os	slight	III?	VL 410	felt-Olaa, Hilo
4/15/34	6:21:00	N-S (M-S)	2.5	4.30	1.5	1.5	no trace; threshold mag	4.92				do	do	do	do	do
4/15/34	06:21:00	E-W (M-S)		4.4		3	no trace-overexposed		4.4-4.9			kl ler os	slight	felt	closer?; VL 410	felt-Olaa, Hilo
4/15/34	06:21:00	N-S (M-S)		4.4		3	no trace-overexposed		4.4-4.9			do	do	do	do	do
5/10/34	20:39:00	E-W (M-S)	10.0	4.10	1.0	1	aftershock at 21:09-no trace	5.66				ml nf?	mod-strong	VI	depth 28 km in HVO catalog; VL 411 [detailed damage report given]; HTH, May 10; 14 [see below], 1934; additional felt reports in HVO, unpub	felt all Hawaii island, Maui; Warshauer notes: a strong, slow earthquake, felt severely Hilo, people ran into the streets; felt slightly at Kona; much less at Kapapala than Hilo and volcano; minor damage in n Kohala, duration 26 sec, beg light, end sharp
5/10/34	20:39:00	N-S (M-S)	14.0	4.10	1.0	1	aftershock at 21:09-no trace	5.80				do	do	do	do	do
5/14/34	1:53:00	E-W (M-S)		4.20		3	no trace-overexposed					kaoiki	slight	V	VL 411; HTH, May 14, 1934; HVO, unpub	felt-HVO, Hilo,; Warshauer notes: Hilo rocked by 2 shocks 3 minutes apart, 2nd more feeble; generally felt, strongly in Kohala, minor damage; Hilo-III-IV, building rocked, felt moderately, furniture rattled;-IV
5/14/34	1:53:00	N-S (M-S)	4.0	4.20		3	aftershock 2 min later detected?	4.45				do	do	do	do	do
6/27/34	05:37:00	E-W (M-S)	1.5	4.35	10.0	1.5	detected-signal:noise ~1.5; 1.5s period assumed	4.75	4.4-5.0			kl mer sf os?	moderate	V	VL 412; HVO unpub; HTH, June 27. 1934	felt-Hilo,, HVO; more detail given in HVO unpub; Warshauer notes: felt strongly in some parts of Hilo, and more generally on the island; no damage
6/27/34	05:37:00	N-S (M-S)	1.5	4.35		1.5	detected-signal:noise ~1.5; 1.5s period assumed	4.75	4.4-5.0			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/16/34	12:38:00	E-W (M-S)	1.0	4.15	3.0	3		3.80				hilo	slight	V	Honolulu data average of 2 readings; VL 414; HTH, Aug. 16, 1934; HVO, unpub	felt-Hilo, Honomu; Warshauer notes: . . strong enough to awaken sleepers in some sections of Hilo, felt by many in Puueo and a few in volcano; dismantled instruments; Hilo-II, awakened; Honomu-rather strong, felt by many, dur 3 sec, south to west
8/16/34	12:38:00	N-S (M-S)		4.15		1.5	record missing					do	do	do	do	do
8/16/34	12:38:00	E-W (M-S)	0.9	4.15	4.0	3	repeat; noise 0.4mm, 1s	3.75				do	do	do	do	do
8/16/34	12:38:00	N-S (M-S)		4.15		1.5	record missing					do	do	do	do	do
9/6/34	5:05:00	E-W (M-S)	1.0	1.90	2.0	2	no trace; threshold mag	1.88				oahu			looked for, not found on Hon film record; not recorded at Whitney vault; Cox, 1986	felt-Oahu only; rattled windows/dishes in homes on Wilhemina Rise (Honolulu, approx 25 km from ewa beach)
9/6/34	5:05:00	N-S (M-S)	1.0	1.90	2.0	2	no trace; threshold mag	1.88				do			do	do
10/14/34	5:44:00	E-W (M-S)	10.0	4.20	2.0	2		5.18				mauna loa deep	moderate	V	VL 416; HTH, Oct. 15, 1934; extensive felt reports in HVO, unpub	felt generally Hawaii island; Warshauer notes: The entire island rocked by an earthquake, duration 30 sec, no damage; felt widely in Kona, also at Waimea, and the Hamakua Coast; motion gentle swaying, two parts with long intervals between
10/14/34	5:44:00	N-S (M-S)	11.0	4.20	2.0	2		5.22				do	do	do	do	do
10/19/34	10:50:00	E-W (M-S)		4.10		3	record missing					mauna loa deep	feeble-felt	V	VL 416; [some aftershocks evidently not recorded at Whitney vault]; HTH, Oct. 19, 1934; extensive felt reports in HVO, unpub; [felt reports give date as 10/19]	felt generally Hawaii island; Warshauer notes: earthquake of moderate intensity rocked the Big island, hard enough in Hilo to awaken sleepers, no damage; 3 sharp quakes felt in Waimea, followed by several of slighter intensity
10/19/34	10:50:00	N-S (M-S)	1.0	4.10		1.5	no trace; threshold mag	4.32				do	do	do	do	do
10/27/34	18:17:00	E-W (M-S)	1.0	3.85	2.0	2		3.83				mauna kea??	feeble-felt	IV	VL 416; HVO, unpub	felt near Kilauea crater; Kamuela-felt strongly, two tremors, no damage; Kohala-short, mild shock;-III, slight tremor followed by quake, building shook slightly
10/27/34	18:17:00	N-S (M-S)	1.7	3.85	1.5	1.5	no trace; threshold mag	4.30				do	do	do	do	do
1/2/35	17:17:17	E-W (M-S)	9.0	4.2	4.0	3		4.80	4.4-4.9	5.90	Wyss and I	kl cal deep	moderate	VI (W&K); V (C&S)	isoseismal map in W&K (M5.9 too high because intensity V in Kau and Kona incorrect); depth changed to improve magnitude agreement, consistent with felt reports; VL 419; HTH, Jan. 2, 1935; additional felt data in HVO unpub	felt generally-Hawaii island, objects fell in Hilo, landslide at Halemaumau; Warshauer notes: felt all island, least in Kohala; two waves, slight, then heavy; bottles, pictures broken in Hilo; pref mag calculated as weighted average of WK(1) and Hono(2)
1/2/35	17:17:17	N-S (M-S)	8.0	4.2		3		4.75	4.4-4.9	do	do	do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/3/35	10:42:00	E-W (M-S)	6.0	3.10	1.0	1		4.43				maui?	vf-felt	V	not separately reported in VL 420, but included in table; time from Hon film record; HVO, unpub; Maui/Molokai consistent with Hon mag and felt reports	Haleakala-IV, movement up and down, cement cornice of building fell off; Wailuku-not very strong; felt all Maui, Oahu and in Kohala
3/3/35	10:42:00	N-S (M-S)	9.0	3.10		1.5	period assumed	4.27				do	do	do	do	do
6/5/35	17:25:00	E-W (M-S)	1.7	4.10		1.5	threshold magnitude	4.55				kona	f-felt	III	VL 424; HVO, unpub; stronger trace on kona seismograph	felt-HVO and Honokaa; Honokaa-felt a light shake
6/5/35	17:25:00	N-S (M-S)	2.0	4.10		1.5	threshold magnitude; event may be lost at edge of paper	4.62				do	do	do	do	do
6/25/35	11:15:00	E-W (M-S)	1.0	4.2	1.5	1.5	no trace; threshold mag	M4.42	3.8-4.3			kl cal 10-20	moderate	V	greater depth assumed consistent with felt reports; VL 424; HVO unpub	awakened people generally south side Hawaii island, dismantled seismographs; Anuhea-III, building creaked;-quite a shock; hnp-wakened many, quite hard at; Puu Ulaula-wakened party at rest house; Papaikou felt, Hilo-many awakened
6/25/35	11:15:00	N-S (M-S)	0.9	4.2	1.5	1.5	no trace; threshold mag	M4.37	3.8-4.3			do	do	do	do	do
6/27/35	18:44:00	E-W (M-S)	0.5	4.15		1.5	no trace; threshold mag	4.07				hualalai	very feeble felt	V	looked for, not found on Hon film record; VL 424; HTH, June 28, 1935	felt-north Kona, Puu waa waa; Warshauer notes: While the Kona district yesterday morning [June 27] experienced one of the worst quakes in the past six years, the entire district being rocked . . .; dishes knocked off in Kona, felt hard at Puu waawaa.
6/27/35	18:44:00	N-S (M-S)	0.5	4.15		1.5	no trace; threshold mag	4.07				do	do	do	do	do
6/28/35	19:30:00	E-W (M-S)	106.0	4.15	3.0	3	Calibration: not Kilauea	5.82		5.7		kl sf?	mod-strong	VI; VI (W&K; S&C); V (USE)	isoseismal map in W&K; [location given in VL (19.6, 155.18-Mauna Loa NE rift) disagrees with felt reports which strongly favor kl sf]; VL 424; HVO, unpub; HTH, June 28, 1935	dismantled seismographs; some damage in Hilo; felt generally Hawaii island; extensive felt reports in HVO, unpub; Warshauer notes: hard in Hilo/Kapoho, less in Kona//Kohala; preferred magnitude calculated as an average of GUTE, W&K, and Honolulu
6/28/35	19:30:00	N-S (M-S)	81.0	4.15		3	Calibration: not Kilauea	5.71		5.7		do	do	do	do	do
7/9/35	02:51:00	E-W (M-S)	0.5	4.3	12.0	3	thick trace at 15mm/sec	3.65	3.7-4.3			kl mer	moderate	felt	VL 425; HVO unpub	near Makaopuhi crater; Hilo-felt at two places, not at a third
7/9/35	02:51:00	N-S (M-S)	1.8	4.3	1.5	1.5	no trace; threshold mag	4.78	3.7-4.3			do	do	do	do	do
7/9/35	02:51:00	E-W (M-S)	0.5	4.3	4.0	3	noise 1.8mm, 1.5s	3.65	3.7-4.3			do	do	do	do	do
7/9/35	02:51:00	N-S (M-S)		4.3	1.5	1.5	no repeat		3.7-4.3			do	do	do	do	do
8/17/35	10:34:00	E-W (M-S)	0.8	4.15	4.0	3		3.70				mlner	slight	felt	mag agreement better if shallow; VL 426; HVO, unpub	felt-volcano, Pahala, Hilo, Hakalau, Hookena
8/17/35	10:34:00	N-S (M-S)	1.0	4.15	3.0	3		3.80				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
10/1/35	9:06:00	E-W (M-S)	10.0	4.15	5.0	3		4.80				mlswr	moderate	V	seismogram pictured in VL 444, p. 3; VL 428; HTH, Oct. 1, 1935; HVO, unpub	felt generally Hawaii island; Warshauer notes: felt Hilo (long. swaying), volcano (1 of 4 shocks), Kau, Kona (1 of 4 shocks) and (1 of 6 shocks), less strong at Puu Waawaa and Kohala; no damage; Hilo-II; Honomu-very feeble
10/1/35	9:06:00	N-S (M-S)	8.0	4.15	3.0	3		4.70				do	do	do	do	do
10/1/35	10:28:00	E-W (M-S)	109.0	4.10	5.0	3		5.79				ml nf	mod-strong	V; IV (S&C)	seismogram pictured in VL 444, p. 3, E-W labeled m-dismantled, p. 5, n-s labeled slight; assume drum moves at 60 mm/min, amp >142 mm E-W, 95 mm N-S [st, as measured]; VL 428; HTH, Oct. 1, 1935; additional felt reports in HVO, unpub	felt generally Hawaii island, some damage in Hilo; Warshauer notes: strongest of series; felt Hilo, volcano, Kau, Kona and; no damage; Hilo-II;-quite a heavy shock; Hilo-VI, building shook; Holualoa-V, rather heavy and long; Honomu-strong
10/1/35	10:28:00	N-S (M-S)	51.0	4.10	3.0	3		5.46				do	do	do	do	do
10/1/35	10:32:00	E-W (M-S)		4.10		3	lost in mainshock					ml nf?	moderate	felt	VL 428; HTH, Oct. 1, 1935; HVO, unpub	felt as a continuation of M5.6 eq; location uncertain; Warshauer notes: felt Hilo, volcano, Kau, Kona and; Holualoa-light shock
10/1/35	10:32:00	N-S (M-S)		4.10		3	lost in mainshock					do	do	do	do	do
10/1/35	11:24:00	E-W (M-S)	2.0	4.15	5.0	3		4.10				mlner	slight	IV	shallower?; VL 428; HTH, Oct. 1, 1935; HVO, unpub	felt-HVO, northeast Hawaii island; Warshauer notes: felt Hilo, volcano, Kau, Kona and; Holualoa-rather strong, several other light ones reported by neighbors; Hilo-VI, buildings shook
10/1/35	11:24:00	N-S (M-S)	1.0	4.15		3	signal/noise 1.5	3.80				do	do	do	do	do
10/1/35	20:52:00	E-W (M-S)	2.0	4.15	5.0	3		4.10				mlner	moderate	II	Honolulu data average of two readings; VL 428; HVO, unpub	felt-Hilo and HVO; felt at Pahala and Hilo (10:37); Hilo-II
10/1/35	20:52:00	N-S (M-S)	1.8	4.15	1.5	1.5	no trace; threshold mag	4.63				do	do	do	do	do
10/1/35	20:52:00	E-W (M-S)	2.5	4.15	5.0	3	repeat; noise 1.0mm, 1.5s	4.20				do	do	do	do	do
10/1/35	20:52:00	N-S (M-S)		4.15			no repeat					do	do	do	do	do
10/5/35	12:19:00	E-W (M-S)		4.10		3	no trace					ml mok	f-felt	IV	VL 428	NE edge of Mokuaweoweo; felt strongly-summit rest house, Waiohinu, Honuapo
10/5/35	12:19:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
11/21/35	11:41:00	E-W (M-S)	18.0	4.15		3		5.05		5.6		ml ner	moderate	VI; V (S&C)	isoseismal map in W&K; seismogram pictured in VL 444, p. 1, assume drum moves at 60 mm/min, amp 210 mm N-S [st, as measured]; seismogram s-p agrees with VL distance; HVO, unpub	felt-Waikiki (Oahu), Hana (Maui), Kapapala ranch, dur 90 sec, items off shelves, window broke; extensive felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu, Whitney as read, and W&K

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
11/21/35	11:41:00	N-S (M-S)	17.0	4.15		3		5.03		5.6		do	do	do	do	do
2/5/36	not given	E-W (M-S)	8.0	4.10	2.0	1.5	no trace; threshold mag	5.22				ml nf deep	feeble-felt	felt	VL 432, p. 2; time not given	5 mi NW of Puu Koli; felt-Hilo, hnp
2/5/36	not given	N-S (M-S)	8.0	4.10	2.0	1.5	no trace; threshold mag	5.22				do	do	do	do	do
3/22/36	2:20:00	E-W (M-S)		3.95			no trace					hualalai	feeble		VL 433, p. 3	w slope hualalai
3/22/36	2:20:00	N-S (M-S)	4.0	3.95	2.0	1.5	no trace; threshold mag	4.77				do	do		do	do
4/15/36	18:57:00	E-W (M-S)	1.5	4.2	2.0	1.5	period <2; signal:noise ~1	4.60	4.4-4.9			kl cal deep	moderate	V (USE); IV (kona)	VL 434, p. 2; HVO, unpub	felt generally Hawaii island, specific reports from Olaa, Hookena, and Hamakua coast; felt rather strongly in volcano; e-w component dismantled; Hookena-III, building creaked
4/15/36	18:57:00	N-S (M-S)	2.0	4.2	2.0	1.5	period <2; signal:noise ~1.5	4.72	4.4-4.9			do	do	do	do	do
11/16/36	23:38:00	E-W (M-S)		4.2		3	no trace		3.80			kl cal 05-10?	slight-mod	felt	depth assumed consistent with felt reports; VL 441, p. 8; HTH, Nov. 17, 1936	felt-HVO, Puu Koae, Hilo; Warshauer notes: A shock at 1:08 yesterday afternoon was felt 5-6 mi southwest of Halemaumau, also in the volcano district and slightly in Hilo
11/16/36	23:38:00	N-S (M-S)		4.2		3	no trace		3.80			do	do	do	do	do
1/11/37	09:20:00	E-W (M-S)		4.3		3	no trace		3.6-4.1			kl mer sf	slight	felt	VL 444, p. 5; HVO unpub	felt-hnp, Hilo, Honomu; Honomu (time given as 11:05 PM)-felt by many, w to NW, dur 5 sec
1/11/37	09:20:00	N-S (M-S)		4.3		3	no trace		3.6-4.1			do	do	do	do	do
1/25/37	6:01:00	E-W (M-S)		3.80		3	record obscured					kohala os	vf-felt	IV	20 mi n of Upolu pt; VL 444, p. 5; HTH, Jan. 25, 1937; [newspaper location on west side of Mauna Loa or Hualalai gives better fit to felt reports than VL location]; HVO, unpub	felt-Hilo, Hakalau, Puu waawaa; Warshauer notes: sharp quake, felt all Kona district, quick and sharp at Holualoa, not felt in Hilo wrong!] or volcano; Hakalau-slight quake felt; Holualoa-IV, building shaken; Hilo-felt
1/25/37	6:01:00	N-S (M-S)		3.80		3	no trace					do	do	do	do	do
1/31/37	18:03:00	E-W (M-S)	4.0	3.95	1.5	1.5	no trace; threshold mag	4.77				hualalai	slight-felt	IV	VL 444, p. 6; HTH, Feb. 1, 1937; HVO, unpub	felt-Hookena, Kamuela; Warshauer notes: The entire island was rocked by an earthquake at 7:34 a.m. Sunday; estimated to originate in Hualalai direction. ; Hookena-IV (7:02 am-same event?), building creaked, hanging objects moved
1/31/37	18:03:00	N-S (M-S)	4.0	3.95	1.5	1.5	no trace; threshold mag	4.77				do	do	do	do	do
2/27/37	06:34:00	E-W (M-S)		4.25		3	no trace		3.6-4.1			kl kuer sf	slight	felt	assume normal south flank depth; VL 444, p. 7; HVO unpub	felt by many in Hilo, hnp; hnp/volcano-2 slight shocks, 1 long shock, felt by many
2/27/37	06:34:00	N-S (M-S)		4.25		3	no trace		3.6-4.1			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/9/37	17:59:00	E-W (M-S)	2.2	4.25		1.5	noisy record; threshold mag	4.81	4.2-4.7			kl kuer sf	moderate		VL 446, p. 7	
4/9/37	17:59:00	N-S (M-S)	1.5	4.25		1.5	noisy record; threshold mag	4.65	4.2-4.7			do	do	do	do	do
4/18/37	14:40:00	E-W (M-S)	2.0	3.95	1.5	1.5	no trace; threshold mag	4.47				hualalai	f-felt	IV	VL 446, p. 7; HTH, Apr. 19, 1937; HVO, unpub	Hualalai; felt-volcano, Hilo, Kamuela, Puu waawaa (strong); Warshauer notes: felt sharply throughout island, more in Waimea and; v strong at; additional felt reports in HVO, unpub
4/18/37	14:40:00	N-S (M-S)	1.5	3.95	1.5	1.5	no trace; threshold mag	4.35				do	do	do	do	do
6/7/37	17:16:00	E-W (M-S)		3.85		3	no trace-thicker background					kohala deep		IV	detected in Honolulu; magnitude calculated near noise threshold; VL 448, p. 7; HVO, unpub	felt strongly-Kohala, Kamuela; Kamuela-one shake, dur few sec, windows rattled
6/7/37	17:16:00	N-S (M-S)	0.8	3.85		1.5	detected; 1.5s period assumed	3.97				do	do	do	do	do
7/31/37	1:10:00	E-W (M-S)	2.5	4.15	3.0	3		4.20				ml ner	moderate		VL 449, p. 7	near Puu Ulaula
7/31/37	1:10:00	N-S (M-S)	3.0	4.15	3.0	3		4.28				do	do	do	do	do
8/19/37	3:57:00	E-W (M-S)	0.5	3.95	2.0	1.5		3.87				hualalai deep	feeble	IV	VL 450, p. 8; HVO, unpub	Hualalai; felt-Kona; Hookena-III, short/sharp, dur 2 sec, building creaked; Kealakekua-2 shocks felt, threw n-s needle off seismograph
8/19/37	3:57:00	N-S (M-S)	0.3	3.95	2.0	1.5		3.65				do	do	do	do	do
1/10/38	02:17:00	E-W (M-S)		4.2		3	noisy record		3.4-3.9			kl cal 05-10	moderate	felt	VL 455, p. 6	felt-hnp
1/10/38	02:17:00	N-S (M-S)		4.2		3	noisy record		3.4-3.9			do	do	do	do	do
1/23/38	8:33:00	E-W (M-S)	300.0	3.50		1.5	off scale; minimum magnitude	6.20		6.8	W&K	maui	mod-strong	VIII; VIII (W&K; Cox); VII (S&C)	isoseismal map in W&K; Neumann, 1940a [Hon station dismantled]; VL 455, p. 6-7 [damage report given]; Jaggar, 1938 [damage reports from all islands]; HTH, Jan. 24, 1938; extensive felt reports in HVO, unpub	felt throughout the Hawaiian chain; Warshauer notes: a quake, duration 90 sec, felt in every section of the Big island, also on Maui, Oahu and Kauai; channel between Maui and Kohala; maximum damage (broken dishes and rearranged furniture) in both places
1/23/38	8:33:00	N-S (M-S)	300.0	3.50		1.5	off scale; minimum magnitude	6.20		do	do	do	do	do	do	do
2/17/38	12:48:00	E-W (M-S)		4.15		3	no trace					ml ner	moderate	V (USE)	VL 456, p. 3; HVO, unpub	felt-Hilo, Kona, hnp; Kealakekua-v slight single shake, dur 3-5 sec
2/17/38	12:48:00	N-S (M-S)	0.8	4.15		1.5	detected; 1.5s period assumed	4.27				do	do	do	do	do
3/7/38	16:26:00	E-W (M-S)	3.0	4.15		3		4.28				mauna loa deep	moderate	V	VL 457, p. 6; HTH, Mar. 7, 1938; additional felt reports in HVO, unpub	felt-Hilo, Kona, hnp; Warshauer notes: rocked entire island; double shock in Hilo and volcano, both prolonged; mod strong, dur 30 sec, waking many; strong at, slight at Kohala and Puu waawaa; prolonged at Kona; HVO seismometers dismantled
3/7/38	16:26:00	N-S (M-S)	3.5	4.15	1.5	1.5		4.91				do	do	do	do	do
5/28/38	16:57:00	E-W (M-S)	1.0	4.25	10.0	3	not in VL; reread; not a real earthquake? removed from catalog	3.90								

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/28/38	16:57:00	N-S (M-S)	1.0	4.25	10.0	3	not in VL; reread; not a real earthquake? removed from catalog	3.90								
5/28/38	17:02:00	E-W (M-S)	1.0	4.25	15.0	3		3.90	3.4-4.0			kl uer	moderate	V	VL 459, p. 4; HTH, May 30, 1938; not found in PCA	4 mi from HVO; hnp-strongly felt, houses creaked, doors/windows rattled, hanging objects swayed, few articles on shelves overturned, not felt away from hnp, seismographs dismantled; Warshauer notes: awoke residents in the volcano district
5/28/38	17:02:00	N-S (M-S)	1.0	4.25	15.0	3		3.90	3.4-4.0			do	do	do	do	do
5/28/38	17:05:00	E-W (M-S)	1.5	4.25	12.0	3	not in VL	4.07	<4.05			kl cal deep?	slight?	felt	not in VL 459; kuer sf or kcaldeep? to be consistent with being recorded on Oahu	should be feeble if kcaldeep, slight if south flank, moderate if uer; obscured by tremor? felt?
5/28/38	17:05:00	N-S (M-S)	2.5	4.25	12.0	3	not in VL	4.30	<4.05			do	do	do	do	do
5/28/38	17:12:00	E-W (M-S)	1.0	4.25	10.0	3	not in VL; reread; not a real earthquake? removed from catalog	3.90	<4.05							
5/28/38	17:12:00	N-S (M-S)	1.0	4.25	12.0	3	not in VL; reread; not a real earthquake? removed from catalog	3.90	<4.05							
5/28/38	17:15:00	E-W (M-S)	0.6	4.25	12.0	3	not in VL; reread; not a real earthquake? removed from catalog	3.68	<4.05							
5/28/38	17:15:00	N-S (M-S)	1.0	4.25	14.0	3	not in VL; reread; not a real earthquake? removed from catalog	3.90	<4.05							
5/28/38	17:22:00	E-W (M-S)	0.5	4.25	10.0	3	signal:noise ~1.5	3.60	3.4-4.0			kl uer	moderate	felt	VL 459, p. 4; HTH, May 30, 1938	near devil's throat; felt-hnp; Warshauer notes: felt at the volcano and recorded on Hilo and Kona seismographs; dismantle HVO seismographs
5/28/38	17:22:00	N-S (M-S)	0.5	4.25	10.0	3		3.60	3.4-4.0			do	do	do	do	do
5/28/38	17:27:00	E-W (M-S)	0.5	4.25	10.0	3	signal:noise ~1.5	3.60	3.4-4.0			kl uer	moderate	felt	VL 459, p. 4; HTH, May 30, 1938	near Pauahi; felt-hnp; Warshauer notes: felt at the volcano and recorded on Hilo and Kona seismographs; dismantled HVO seismographs
5/28/38	17:27:00	N-S (M-S)	0.5	4.25	12.0	3		3.60	3.4-4.0			do	do	do	do	do
6/1/38	21:08:00	E-W (M-S)		4.25		3	record missing		4.1-4.6			kl kuer sf	moderate		Hon film record missing; VL 460, p. 3; HTH, June 6, 1938; not found in PCA	Warshauer notes: A moderate shock about 10:45 a.m. Wednesday dismantled the instruments
6/1/38	21:08:00	N-S (M-S)		4.25		3	record missing		4.1-4.6			do	do	do	do	do
6/3/38	02:03:00	E-W (M-S)	1.0	4.2		1.5	no trace; threshold mag	4.42	3.8-4.3			kl cal deep			VL 460, p. 3; not found in PCA	
6/3/38	02:03:00	N-S (M-S)	1.2	4.2		1.5	no trace; threshold mag	4.50	3.8-4.3			do			do	
8/8/38	15:42:00	E-W (M-S)		4.25		3	no trace		3.5-4.0			kl uer	moderate	felt	VL 462, p. 3; HTH, Aug. 8-10, 1938	4.7 mi from HVO; 0.4 mi SW of Hiiaka; felt-hnp; Warshauer notes: newspaper reports say nothing about quakes being felt outside of volcano and chain-of-craters area
8/8/38	15:42:00	N-S (M-S)		4.25		3	no trace		3.5-4.0			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/8/38	18:13:00	E-W (M-S)	0.3	4.25		1.5	not in VL; no trace; threshhold mag	3.95				kl cal deep?			not in VL 462	preferred magnitude not assigned because seen on only one component of the Milne-Shaw
8/8/38	18:13:00	N-S (M-S)	1.2	4.25		1.5	not in VL; noise level = 0.5	4.55				do			do	do
8/8/38	18:41:00	E-W (M-S)	0.6	4.25		3	not in VL; signal:noise ~1.5-deeper?; reread-part of a teleseism, removed from catalog	3.68	<3.79							
8/8/38	18:41:00	N-S (M-S)	1.0	4.25	8.0	3	not in VL; signal:noise ~1.5-deeper?; reread-part of a teleseism, removed from catalog	3.90	<3.79							
8/8/38	20:14:00	E-W (M-S)		4.25		3	no trace		3.3-3.8			kl uer	moderate	felt	VL 462, p. 3	3.5 mi from HVO; near devil's throat; felt-hnp
8/8/38	20:14:00	N-S (M-S)		4.25		3	no trace		3.3-3.8			do	do	do	do	do
8/8/38	20:15:00	E-W (M-S)		4.25		3	no trace		3.5-4.0			kl kuer sf	slight	felt	VL 462, p. 3; HVO unpub	felt-Kapapala; Kapapala (time 10:10 am)-III
8/8/38	20:15:00	N-S (M-S)		4.25		3	no trace		3.5-4.0			do	do	do	do	do
8/8/38	22:11:00	E-W (M-S)		4.25		3	no trace		3.2-3.7			kl uer	moderate	felt	VL 462, p. 3	3.2 mi from HVO; 0.6 mi w of Kokoolau; felt-hnp
8/8/38	22:11:00	N-S (M-S)		4.25		3	no trace		3.2-3.7			do	do	do	do	do
8/17/38	6:13:00	E-W (M-S)	0.5	4.10	1.5	1.5	no trace; threshold mag	4.02				mauna loa deep	feeble-felt	IV	VL 462, p. 3; not found in HTH	felt strongly-Kapapala, Pahala
8/17/38	6:13:00	N-S (M-S)	1.0	4.10	2.0	1.5	no trace; threshold mag	4.32				do	do	do	do	do
10/25/38	22:48:00	E-W (M-S)	0.6	4.2		1.5	no trace; threshold mag	4.20	3.9-4.4			kl gln deep	slight	III	VL 462, p. 5; HTH, Oct. 26, 1938	felt-Hilo, hnp; Warshauer notes: An earthquake, classified as slight at Kilauea observatory, was sharply felt in Hilo yesterday about 12:20 p.m.
10/25/38	22:48:00	N-S (M-S)	0.6	4.2		1.5	no trace; threshold mag	4.20	3.9-4.4			do	do	do	do	do
10/28/38	4:41:00	E-W (M-S)	0.8	3.95	2.0	1.5	no trace; threshold mag	4.07				hualalai	s (kona?)	V	better fit if distance referenced to Kona, not Whitney; shallower?; VL 462, p. 5; HVO, unpub	felt-Kona,; Hookena-V, sharp perpendicular shock followed by gentle side motion for 5-6 sec, buildings creak, hanging objects move, water tanks slopped over; Kealakekua-telephone central reports strong shock
10/28/38	4:41:00	N-S (M-S)	0.6	3.95	2.0	1.5	no trace; threshold mag	3.95				do	do	do	do	do
11/7/38	16:45:00	E-W (M-S)		3.95			no trace					hualalai	feeble-felt (kona?)	IV	better fit if distance referenced to Kona, not Whitney; shallower?; VL 462, p. 5; HVO, unpub	felt-Kona; Kealakekua-V, one slight continuous shake, dur 6-10 sec, rattled windows a bit; Hookena-II, building creaked, dur 2 sec
11/7/38	16:45:00	N-S (M-S)	0.5	3.95	2.0	2	no trace; threshold mag	3.63				do	do	do	do	do
1/20/39	1:28:00	E-W (M-S)	1.7	3.95	2.0	2	smaller events before and after?	4.16				hualalai	slight	IV	mags agree if amplitude referenced to distance from Kona seismometer; VL 463, p. 2; HA, Jan. 20, 1939; HTH, Jan. 20, 1939; see bib for complete felt report	felt strongly-Kona, Kohala; lightly-Hilo, Kau; Warshauer notes: An earthquake rocked the Kona area at 2:58 p.m. today for about 15 seconds. No damage was reported; felt strongly Kona, short and sharp at, slight in Kau, not felt at Volcano or Hilo.

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
1/20/39	1:28:00	N-S (M-S)	1.5	3.95	1.5	1.5	smaller events before and after?	4.35				do	do	do	do	do
4/12/39	14:48:00	E-W (M-S)	0.8	4.2		1.5	no trace; threshold mag	4.32	3.9-4.4			kl gln deep	slight	V	VL 464, p. 5; HVO unpub; HTH, Apr. 12, 1939	felt-Hilo, Olaa, hnp; Hilo-III; Warshauer notes: felt generally on Big island; awakened sleepers in Hilo; no damage
4/12/39	14:48:00	N-S (M-S)	0.8	4.2		1.5	no trace; threshold mag	4.32	3.9-4.4			do	do	do	do	do
5/14/39	10:20:00	E-W (M-S)	0.8	3.70	1.5	1.5	no trace; threshold mag	3.82				lanai se?		III-IV (Cox)	Cox, 1986; foreshock of 5/29/39 quake?-not recorded at Whitney vault	felt-Oahu; no damage; preferred mag assumed
5/14/39	10:20:00	N-S (M-S)	0.7	3.70	1.5	1.5	no trace; threshold mag	3.77				do	do	do	do	do
5/15/39	20:58:00	E-W (M-S)	6.0	4.3	7.0	3		4.73	4.4-4.8	5.00	catalog	kl mer sf	mod-strong	VI; VI (S&C)	HVO location off?; mag agrees for south flank (likely considering high mag and not felt in Kohala); VL 464, p. 6; additional felt reports in HVO unpub; HTH, May 15, 1939; see HVO unpub and bib for complete felt report	strongly felt all Hawaii island ex Kohala; strongest in Hilo (slight damage to masonry and plaster), and hnp; Warshauer notes: felt strongly in all districts except Kohala; minor damage in Hilo, household articles knocked from shelves, building cracks
5/15/39	20:58:00	N-S (M-S)	6.0	4.3	2.0	2		5.06	4.4-4.8	5.00	catalog	do	do	do	do	do
5/24/39	0:14:00	E-W (M-S)	16.8	4.20	7.0	3	fred-check!-dup of below w time wrong?	5.07		4.8		kaoiki	mod-strong		ok	all Hawaii island, Oahu-seis dismantled (V)
5/24/39	0:14:00	N-S (M-S)	10.8	4.20	4.0	3		4.88		4.8		do	do		do	do
5/24/39	00:44:00	E-W (M-S)	18.0	4.2	6.0	3			4.5-4.9	5.10		kaoiki	mod-strong	VI	isoseismal map in W&K; Cox, 1986; Honolulu records suggest this quake has a different source than 5/24/39 kl cal deep; mag agreement ok for Kaoiki quake at depth given; VL 464, p. 6; HTH, May 23; 24, 1939; additional felt reports in bib and HVO, unpub	felt generally Hawaii island; all seismographs on island dismantled; Warshauer notes: Felt in all districts except Kohala; strong like last week; Kona, Hilo and volcano stronger than last week; Kau strong; duration 30 sec; many aftershocks
5/24/39	00:44:00	N-S (M-S)	12.0	4.2	5.0	3			4.5-4.9	4.93		do	do	do	do	do
5/24/39	23:29:00	E-W (M-S)	9.5	4.2	1.0	1	film time:23h 29m 57 s; looks deep-very different from preceding event	5.73	4.7-5.1			kl cal deep	mod-strong	VI	Honolulu amplitude average of two readings; VL 464, p. 6; HTH, May 24; 26, 1939; see also HVO unpub and bib for additional felt reports	felt entire Hawaii island, dismantling all instruments; Warshauer notes: felt in all districts of Hawaii island, also Oahu [denied, HTH May 26]; objects knocked from shelves in volcano district; duration 15 sec (felt), 6 min (instr.); deep Kilauea origin
5/24/39	23:29:00	N-S (M-S)	11.4	4.2		3	film time:23h 29m 57 s; looks deep-very different from preceding event	4.91	4.7-5.1			do	do	do	do	do
5/24/39	23:29:00	E-W (M-S)	8.0	4.2	1.5	1.5	repeat	5.32	4.7-5.1			do	do	do	do	do
5/24/39	23:29:00	N-S (M-S)	16.0	4.2	1.5	1.5	repeat	5.62	4.7-5.1			do	do	do	do	do
5/24/39	23:39:00	E-W (M-S)		4.2		3	no trace		4.0-4.5			kl cal deep	slight		VL 464, p. 6	
5/24/39	23:39:00	N-S (M-S)		4.2		3	no trace		4.0-4.5			do	do		do	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/30/39	5:45:00	E-W (M-S)	12.5	3.70	2.0	2		4.78				lanai se	vf-felt	V	attenuated at Whitney?; VL 464, p. 6; HTH, May 30, 1939; HA, May 30, 1939; additional felt reports in bib and HVO, unpub	felt widely-Oahu, Maui; 20-30 mi deep, 90 mi s. of Lanai; Warshauer notes: felt sharply throughout Oahu, not felt on Hawaii; 150 mi from Honolulu, duration 10 sec (felt), 5 min (instr.); recorded at HVO; felt on Oahu, Maui and Hawaii
5/30/39	5:45:00	N-S (M-S)	16.8	3.70	2.0	2		4.91				do	do	do	do	do
6/1/39	01:40:00	E-W (M-S)	2.5	4.25	2.0	2	film time: 1h 42m 10s; origin time from 01:40:55-01:41:15	4.63	4.3-4.7			kl kuer sf	mod-strong	V	Honolulu amplitude average of two readings; VL 464, p. 6; HVO unpub	hnp-VI
6/1/39	01:40:00	N-S (M-S)	3.0	4.25	2.0	2	film time: 1h 42m 10s; origin time from 01:40:55-01:41:15	4.71	4.3-4.7			do	do	do	do	do
6/1/39	01:40:00	E-W (M-S)	2.5	4.25	2.0	2	repeat	4.63	4.3-4.7			do	do	do	do	do
6/1/39	01:40:00	N-S (M-S)	3.0	4.25	2.0	2	repeat	4.71	4.3-4.7			do	do	do	do	do
6/1/39	7:21:00	E-W (M-S)	0.7	4.20	0.5	1	high-frequency signal	4.60				kaoiki	m-st	V	shallower?; VL 464, p. 6; HTH, June 1, 1939; HVO, unpub	felt all Kau, Hilo, all island, strong at hnp; Warshauer notes: v hard in volcano and all Hilo, windows and doors rattled; dur >30 sec; slight in Kohala and Kona; hnp-VI; Paauhau-III, quite sharp, dur 5 sec; Hilo-slight, felt by most
6/1/39	7:21:00	N-S (M-S)	0.5	4.20	1.0	1	high-frequency signal	4.45				do	do	do	do	do
6/12/39	11:41:00	E-W (M-S)	3.5	4.2		3	film time: 11h 42m 42s	4.39	4.5-4.9			kl cal deep	mod-strong	V	Honolulu amplitude average of two readings; possible surface waves noted on the Honolulu seismogram; VL 464, p. 6; HVO unpub; HTH, June 12, 1939; weaker than earlier 4 shocks; felt dur 30 sec	felt generally-Hawaii island, strongest in Hilo and hnp; Kealakekua-short tremor, slight shake, short tremor; hnp III, wakened persons; Warshauer notes: Hilo-wakened person, prolonged rattling of windows/doors; dismantled instruments
6/12/39	11:41:00	N-S (M-S)	3.3	4.2	3.0	3	film time: 11h 42m 42s	4.37	4.5-4.9			do	do	do	do	do
6/12/39	11:41:00	E-W (M-S)	3.0	4.2	1.5	1.5	repeat; surface waves signify shallow depth	4.90	4.5-4.9			do	do	do	do	do
6/12/39	11:41:00	N-S (M-S)	3.0	4.2	1.5	1.5	repeat; surface waves signify shallow depth	4.90	4.5-4.9			do	do	do	do	do
6/19/39	14:19:00	E-W (M-S)	0.6	4.2	1.0	1	no trace; threshold mag	4.53	4.2-4.8			kl cal deep	moderate	III	time changed to agree with newspaper and postcard data; VL 464, p. 7; HVO unpub; HTH, June 19, 1939	felt-Hilo, hnp; Hilo (time 3:38:15-same event?), 2 mild waves, slight, felt by a few; Warshauer notes: slight to moderate quake was generally felt in the Hilo and volcano districts at 3:48:45 a.m. In Hilo felt as a prolonged shock, not strong
6/19/39	14:19:00	N-S (M-S)	0.7	4.2	1.0	1	no trace; threshold mag	4.60	4.2-4.8			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
7/1/39	10:50:00	E-W (M-S)	2.2	4.2		3	film time: 10h 50m 58s	4.19	3.9-4.6			kl cal 10-20?	moderate	V	Honolulu amplitude average of two readings; VL 464, p. 7; HVO unpub; HTH, July 1, 1939	awakened many in Hilo and hnp, dismantled seis; hale Pohaku (Mauna Kea)-fairly sharp quake, dur 3-4 sec, awakened most sleepers; Warshauer notes: generally felt Hilo and volcano dist; dur ~six min, felt ~15 sec; rattled windows, awakened many, no damage
7/1/39	10:50:00	N-S (M-S)	2.1	4.2	4.0	3	film time: 10h 50m 58s	4.17	3.9-4.6			do	do	do	do	do
7/1/39	10:50:00	E-W (M-S)	2.2	4.2	1.5	1.5	repeat	4.76	3.9-4.6			do	do	do	do	do
7/1/39	10:50:00	N-S (M-S)	1.8	4.2	2.0	2	repeat	4.44	3.9-4.6			do	do	do	do	do
7/14/39	14:21:00	E-W (M-S)	9.0	4.3		3	film time: 14h 22m 0s	4.90	4.4-4.9	5.5; 5.(	Wyss and]	kl mer sf	mod-strong	V; V (S&C)	Honolulu amplitude average of two readings; isoseismal map in W&K (mag too high?); VL 465, p. 5; HTH, July 14, 1939; see HVO unpub and bib for complete felt report	felt generally-Hawaii island; intensity greatest in Kau, Puna; sleepers wakened in Hilo, hnp; unusually strong at Pahoa; Warshauer notes: felt entire island, strongest in Puna and volcano district; sleepers awakened and windows rattled but no damage done.
7/14/39	14:21:00	N-S (M-S)	7.0	4.3		3	S-P = 33 sec	4.79	4.4-4.9	5.5; 5.(	Wyss and]	do	do	do	do	do
7/14/39	14:21:00	E-W (M-S)	5.5	4.3	1.5	1.5	repeat	5.26	4.4-4.9	5.5; 5.(	Wyss and]	do	do	do	do	do
7/14/39	14:21:00	N-S (M-S)	8.0	4.3	2.0	2	repeat	5.19	4.4-4.9	5.5; 5.(	Wyss and]	do	do	do	do	do
8/17/39	16:27:00	E-W (M-S)	1.9	4.3	2.0	2		4.56	4.2-4.7			kl mer sf	moderate		Honolulu amplitude average of two readings; VL 465, p. 6; not found in HTH	no intensity reports!
8/17/39	16:27:00	N-S (M-S)	2.0	4.3	3.0	3		4.25	4.2-4.7			do	do		do	do
8/17/39	16:27:00	E-W (M-S)	1.2	4.3	2.0	2	repeat	4.36	4.2-4.7			do	do		do	do
8/17/39	16:27:00	N-S (M-S)	1.0	4.3	2.0	2	repeat	4.28	4.2-4.7			do	do		do	do
8/17/39	16:48:00	E-W (M-S)	0.4	4.3	1.0	1	no trace; threshold mag	4.46	4.1-4.6			kl mer sf	moderate		VL 465, p. 6; not found in HTH	no intensity reports!
8/17/39	16:48:00	N-S (M-S)	0.4	4.3	1.0	1	no trace; threshold mag	4.46	4.1-4.6			do	do		do	do
9/7/39	12:02:00	E-W (M-S)		3.95		3	no trace					hualalai	feeble-felt (kona?)	V	mags agree if amplitude referenced to distance from Kona seismometer; VL 465, p. 6; HVO, unpub	felt strongly-Puu waawaa; Holualoa-VI, a good strong quake giving everyone a fright
9/7/39	12:02:00	N-S (M-S)	0.4	3.95	3.0	1.5	no trace; threshold mag	3.77				do	do	do	do	do
6/12/40	4:02:00	E-W (M-S)	0.4	4.20	2.0	1.5	no trace; threshold mag	4.02				kaoiki	slight-moderate	V	feeble-slight?; shallower?; VL 468, p. 12; HVO, unpub	felt-Hookena, Kealakekua, hnp; Kealakekua-slight tremor followed by shake that dwindled away, dur 5 sec; Hookena-IV, slight tremble followed by sharp shake, buildings shook, objects on shelves moved
6/12/40	4:02:00	N-S (M-S)	0.7	4.20	2.0	1.5	no trace; threshold mag	4.27				do	do	do	do	do
6/17/40	10:26:49	E-W (M-S)		3.90		1.5	off scale			6.0	GUTE	maui east	strong	VI; V (S&C)	isoseismal map in W&K; VL 468, p. 12 [detailed felt report given]; HSB; HTH; HA, June 17, 1940; additional felt reports in HVO, unpub	felt generally hi chain, particularly on Oahu, Maui, Hawaii; Warshauer notes: At least 2 sharp earthquakes felt in Honolulu; first lasted several sec, windows rattled, houses creaked; also Hilo, Maui, Molokai (articles off shelves); no damage
6/17/40	10:26:49	N-S (M-S)		3.90		1.5	off scale			do	do	do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/17/40	18:17:00	E-W (M-S)	9.0	3.90	4.0	3		4.50				maui east	moderate	V (S&C)	Honolulu data average of two readings; nomogram agrees only if earthquake is "feeble"; error in VL?; VL 468, p. 12; HSB; HTH, June 17, 1940	aftershock of 6/16/40 earthquake; felt Hawaii, Maui, Oahu; Warshauer notes: a moderate quake
6/17/40	18:17:00	N-S (M-S)	12.0	3.90	5.0	3		4.63				do	do	do	do	do
6/17/40	18:17:00	E-W (M-S)	4.0	3.90	1.5	1.5	repeat	4.72				do	do	do	do	do
6/17/40	18:17:00	N-S (M-S)	11.0	3.90	3.0	3	repeat	4.59				do	do	do	do	do
6/17/40	23:09:00	E-W (M-S)	13.0	3.90	2.0	2		5.00				maui east	slight	V (S&C); III (hamakua)	VL 468, p. 12; HTH, June 17, 1940; HVO, unpub	aftershock of 6/16/40 earthquake; felt Hawaii, Maui, Oahu; Warshauer notes: another aftershock classified between slight and moderate; Hakalau moderate quake felt; Kealakekua-v slight shake of 2 sec dur, felt by a few; Paauhau-III, 2 sec medium vibration,
6/17/40	23:09:00	N-S (M-S)	20.0	3.90	1.5	1.5	invisible trace, amplitude guessed	5.42				do	do	do	do	do
6/29/40	6:24:00	E-W (M-S)	1.5	3.90	3.0	3		3.72				maui east	feeble		VL 468, p. 12	aftershock of 6/16/40 earthquake
6/29/40	6:24:00	N-S (M-S)	4.0	3.90	10.0	3		4.15				do	do		do	do
7/5/40	2:25:00	E-W (M-S)	1.8	4.10	3.0	3		4.00				mauna kea os	feeble		VL 469, p. 5	40 mi NE of Hilo
7/5/40	2:25:00	N-S (M-S)	2.0	4.10	3.0	3		4.05				do	do	do	do	do
7/10/40	6:00:00	E-W (M-S)	5.0	4.10	2.0	2		4.78				mauna kea os	feeble		VL 469, p. 5	offshore 12 mi NE of Ookala
7/10/40	6:00:00	N-S (M-S)	5.0	4.10	2.0	2		4.78				do	do		do	do
7/16/40	3:18:00	E-W (M-S)	84.0	4.00	2.0	2		5.91		5.5	u.s eq	maui east	moderate	V; V (S&C)	W&K report M 5.5-not derived from felt area; VL 469, p. 5; HTH, July 16, 1940; HA, July 18, 1940; HVO, unpub	mainshock: felt-all islands ex Kauai; Warshauer notes: strong at Kohala, lasting for a full 30 seconds; slight in Hilo, felt by many; Paauhau-III, single brief very noticeable vibration; Ulupalakua (Maui)-light shock, dur 20 sec, visible bouncing of bed
7/16/40	3:18:00	N-S (M-S)	178.0	4.00	4.0	3		5.90		5.5	u.s eq	do	do	do	do	do
7/16/40	7:43:00	E-W (M-S)	2.0	4.00	1.5	1.5		4.52		5.5	u.s eq	maui east	very feeble	II	VL 469, p. 5; HVO, unpub	aftershock of 7/15/40 earthquake; felt Paauhau, Maui (Ulupalakua); Ulupalakua (Maui)-extremely slight, horizontal e-w motion, double shake with half sec separation; Paauhau-II, single vibration, brief and very weak
7/16/40	7:43:00	N-S (M-S)	2.0	4.00	1.5	1.5		4.52		5.5	u.s eq	do	do	do	do	do
9/2/40	8:45:00	E-W (M-S)	20.0	4.10	2.5	2.5		5.20				maui east	moderate	IV (S&C); V (USE)	W&K report M 5.5-not derived from felt area; VL 469, p. 5; not found in HTH	felt generally Hawaii island
9/2/40	8:45:00	N-S (M-S)	18.0	4.10	1.5	1.5		5.58				do	do	do	do	do
1/17/41	18:00:00	E-W (M-S)	1.0	3.95	2.0	2		3.93				hualalai	slight	VI	VL 471, p. 4; not found in HTH; HVO, unpub	felt strongly Puu waawaa; also, Kailua, Hookena, Hilo; Puu waa waa ranch-VI, buildings shook quite hard, some objects fell off shelves; Hookena-II, building shaken; Waimea rattled windows, dur 15 sec
1/17/41	18:00:00	N-S (M-S)	4	3.95	1.5	1.5		4.77				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
1/18/41	20:04:00	E-W (M-S)	3.5	4.10	2.5	2.5		4.44				mauna kea os	feeble		VL 471, p. 4; not found in HTH	15 mi n of papaaloa near earthquakes of summer 1940
1/18/41	20:04:00	N-S (M-S)	7.5	4.10	4	3		4.62				do	do	do	do	do
2/8/41	19:49:00	E-W (M-S)	4	4.10	2	2	alt 3mm/1 sec	4.69				mauna kea os	feeble		VL 471, p. 4; not found in HTH	
2/8/41	19:49:00	N-S (M-S)	6.5	4.10	3	3		4.56				do	do		do	
2/12/41	8:26:00	E-W (M-S)	1.5	3.85	2	2		4.01				kohala os	feeble		VL 471, p. 4	
2/12/41	8:26:00	N-S (M-S)	2	3.85	2	2		4.13				do	do		do	
2/18/41	22:23:00	E-W (M-S)	6.5	4.10	4	3		4.56				mauna loa deep	slight		VL 471, p. 4; not found in HTH	
2/18/41	22:23:00	N-S (M-S)	6.5	4.10	4	3		4.56				do	do		do	
4/20/41	21:16:00	E-W (M-S)	2.5	4.2	3.0	3		4.25	4.1-4.6			kl cal deep	moderate	IV	VL 472, p. 3; HTH, Apr. 21, 1941; see HVO unpub for additional felt reports	felt-hnp, Kau, Kona, Hilo; Warshauer notes: A moderate earthquake felt throughout East Hawaii dismantled instruments at HVO and Halemaumau; felt duration about 30 sec; occurred at 11:46 a.m. [time off?], preceded by a series of lesser quakes
4/20/41	21:16:00	N-S (M-S)	3.0	4.2	1.7	1.7	S-P = 17 sec	4.79	4.1-4.6			do	do	do	do	do
4/20/41	21:16:00	E-W (M-S)	3.2	4.2	2.0	2	repeat; noise 0.8mm, 1s	4.69	4.1-4.6			do	do	do	do	do
4/20/41	21:16:00	N-S (M-S)	1.7	4.2	1.0	1	repeat; noise 0.9mm, 1s	4.99	4.1-4.6			do	do	do	do	do
9/25/41	17:48:00	E-W (M-S)	100.0	4.20	5.0	3	minimum amp-off scale	5.85		6.0		kaoiki	mod-strong	VII; VII (S&C)	isoseismal map in W&K; strong?; VL 473 [includes damage report; dismantled all seismographs, low mag instrument not operating], p. 3; HTH, Sept. 25, 1941; extensive felt reports in HVO, unpub	se flank ml, 4 mi n of Kapapala ranch house; felt generally Hawaii island, by some in Honolulu; Warshauer notes: felt most strongly Pahala and Kapapala, dishes fell, bottles broken; plaster cracked in Hilo; strong at, Kohala, Puna, Kona; no damage
9/25/41	17:48:00	N-S (M-S)	90.0	4.20	4.0	3	minimum amp-off scale	5.80		6.0		do	do	do	do	do
10/25/41	19:24:00	E-W (M-S)	3.5	4.10	1.0	1		5.20				mauna kea	feeble-felt	felt	slight?; VL 474, p. 3; HTH, Oct. 30, 1941	n slope Mauna Kea near; felt generally Hawaii island; this and subsequent quakes precursory to Mauna Kea swarm starting Nov. 13; Warshauer notes: felt at Hawaii National Park, Hilo, and Kohala
10/25/41	19:24:00	N-S (M-S)	2.0	4.10	1.0	1		4.96				do	do	do	do	do
11/14/41	6:37:00	E-W (M-S)		4.10			no trace					mauna kea?		felt	Hon magnitude average of two readings; VL 474, p. 3; HTH, Nov. 15; 21, 1941	52 mi from HVO; felt-; Warshauer notes: felt at; felt in, Kohala, north Kona, Hamakua and [probably] at Kilauea
11/14/41	6:37:00	N-S (M-S)	0.8	4.10	2.0	2		3.99				do		do	do	do
11/14/41	6:37:00	E-W (M-S)		4.10			repeat; no trace-line thickened					do		do	do	do
11/14/41	6:37:00	N-S (M-S)	0.9	4.10	1.0	1	repeat	4.61				do		do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
11/15/41	17:23:00	E-W (M-S)	8.0	4.10	2.0	2	repeat\	4.99				mauna kea?	slight	felt	VL 474, p. 3; HTH, Nov. 15; 21, 1941; not found in HA	52 mi from HVO; Hilo dismantled; Warshauer notes: The strongest earthquake [in a series] was reported at 6:58 a.m. today. [doesn't say whether felt!]; felt island-wide by a few and by many in Kohala, north Kona and Hamakua
11/15/41	17:23:00	N-S (M-S)	12	4.10	1	1	repeat\	5.73				do	do	do	do	do
11/16/41	5:07:00	E-W (M-S)	0.8	4.10	2.0	1.5	detected; 1.5s period assumed	4.22				mauna kea?	feeble-felt	felt	VL 474, p. 3; HTH, Nov. 21, 1941	52 mi from HVO; felt generally north Hawaii island; Warshauer notes: felt in northern portion of island and by several in Hilo
11/16/41	5:07:00	N-S (M-S)	0.5	4.10	2.0	1.5	detected; 1.5s period assumed	4.02				do	do	do	do	do
11/16/41	13:01:00	E-W (M-S)	0.6	4.10		1.5	no trace; threshold mag	4.10				mauna kea?	feeble	felt	VL 474, p. 3; HTH, Nov. 21, 1941	near 52 mi from HVO; newspaper time accepted; Warshauer notes: felt in Hilo; felt at and perhaps other places in north Hawaii
11/16/41	13:01:00	N-S (M-S)	0.6	4.10		1.5	no trace; threshold mag	4.10				do	do	do	do	do
11/16/41	20:11:00	E-W (M-S)	15.0	4.10	1.0	1		5.83				mauna kea?	moderate	V; V (S&C)	VL 474, p. 3; HTH, Nov. 21, 1941	near 52 mi from HVO; felt generally Hawaii island; slight damage; Warshauer notes: felt by many in all parts of Hawaii; no damage reported; not felt on Oahu
11/16/41	20:11:00	N-S (M-S)	15.0	4.10	1.0	1		5.83				do	do	do	do	do
11/18/41	13:26:00	E-W (M-S)	33.0	4.10	1.0	1		6.17				mauna kea?	mod-strong	VI; V (S&C)	VL 474, p. 3; HTH, Nov. 18, 1941	near, slight damage; felt strongly Hawaii island, less on Maui; Warshauer notes: Dishes and bottles were broken at early this morning by an earthquake also felt strongly in Hilo; approximate time of the quake was 2:53 a.m.
11/18/41	13:26:00	N-S (M-S)	26.0	4.10	1.0	1		6.07				do	do	do	do	do
11/18/41	21:00:00	E-W (M-S)	1.5	4.10		1.5		4.50				mauna kea?	feeble-felt	felt	VL 474, p. 3	felt generally Hawaii island
11/18/41	21:00:00	N-S (M-S)	2.5	4.10	1.0	1		5.05				do	do	do	do	do
11/18/41	21:03:00	E-W (M-S)	0.8	4.10		1.5	threshold magnitude	4.22				mauna kea?	feeble-felt	felt	VL 474, p. 3	felt generally Hawaii island
11/18/41	21:03:00	N-S (M-S)	0.8	4.10		1.5	threshold magnitude	4.22				do	do	do	do	do
11/19/41	18:13:00	E-W (M-S)	5.5	4.10	1.0	1		5.40				mauna kea?	feeble-felt	felt	slight?; VL 474, p. 3	52 mi from HVO; felt widely
11/19/41	18:13:00	N-S (M-S)	7.0	4.10	1.5	1.5		5.17				do	do	do	do	do
11/23/41	7:53:00	E-W (M-S)	7.0	4.10	1.0	1		5.50				mauna kea?	slight	V (W&K; USE)	moderate?; VL 474, p. 4	near; felt generally Hawaii island, few on Maui
11/23/41	7:53:00	N-S (M-S)	9.0	4.10	1.0	1		5.61				do	do	do	do	do
1/25/42	16:43:00	E-W (M-S)	0.8	4.20		1.5	threshold magnitude	4.32				kaoiki?	slight	V-VI	VL 475, p. 2	16 mi from HVO; felt-hnp; broke dishes at KMC
1/25/42	16:43:00	N-S (M-S)	0.8	4.20		1.5	threshold magnitude	4.32				do	do	do	do	do
2/9/42	4:18:00	E-W (M-S)	3.0	4.20	1.0	1		5.23				hilo deep	slight	felt	farther away? or moderate?; VL 475, p. 2; not found in HTH	8 mi SW of Hilo; felt-Hilo, hnp; Hilo seismograph dismantled
2/9/42	4:18:00	N-S (M-S)	2.5	4.20	1.0	1	film time is 4:15	5.15				do	do	do	do	do
2/18/42	21:39:00	E-W (M-S)		0		3	record missing		3.8-4.3			kl cal 10-20	moderate	V	VL 475, p. 2	n end Kilauea crater; felt-hnp, awakened many, dismantled HVO and mlo seismographs
2/18/42	21:39:00	N-S (M-S)		0		3	record missing		3.8-4.3			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/21/42	18:41:00	E-W (M-S)	24.0	4.15	1.0	1		6.09				ml ner	moderate	VI	strong? or deep?; VL 475, p. 2; HTH, Feb. 21, 22, 1942; HSB, Feb. 21, 1942; time given as "shortly after 9 a.m. today" [Hawaii war time one hour later]	felt widely; Warshauer notes: Hilo-dishes and bottles fell, plaster cracked, parked cars shook from 2 strong quakes; dismantled seismographs, slides in Kilauea crater; bottles broken at Volcano House
2/21/42	18:41:00	N-S (M-S)	24.0	4.15	1.0	1		6.09				do	do	do	do	do
2/21/42	18:44:00	E-W (M-S)	24.0	4.15	1.0	1		6.09				ml ner	moderate	VI	[Times are Hawaii war time one hour later]; strong? or deep?; VL 475, p. 2; HTH, Feb. 21, 22, 1942	do; felt widely; another and stronger shock occurred at about 9:14 a.m.
2/21/42	18:44:00	N-S (M-S)	27.0	4.15	1.0	1		6.14				do	do	do	do	do
2/21/42	19:06:00	E-W (M-S)		4.15		3	no trace					ml ner	slight		[Times are Hawaii war time one hour later]; VL 475, p. 2; HTH, Feb. 22, 1942	Warshauer notes: Then, at 9:37 there was another shake, strong enough to dismantle the east-west component of the seismograph at the Volcano House.
2/21/42	19:06:00	N-S (M-S)		4.15		3	no trace					do	do		do	do
3/21/42	9:35:00	E-W (M-S)	33.0	4.15	1.0	1.5		5.88				ml swr	moderate	V	strong? must be deep to fit felt reports and Hon magnitudes; VL 475, p. 2; HTH, March 21, 1942; time given as "12:04 a.m. today" [daylight saving time in effect-see VL 476, p. 2, 1st paragraph]	SW rift; felt widely; stopped clocks in s Kona; Warshauer notes: deep-seated earthquake felt generally in Hilo; dismantled seismic equipment; no damage
3/21/42	9:35:00	N-S (M-S)	20.0	4.15		1.5	light trace-min amp	>5.67				do	do	do	do	do
3/29/42	8:25:00	E-W (M-S)		4.15		3	no trace					ml ner	slight	felt	VL 475, p. 2	NE rift; felt-hnp, Hilo
3/29/42	8:25:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
4/27/42	10:11:00	E-W (M-S)	7.0	4.15	2.0	2		4.98				ml ner	moderate	felt	VL 476, p. 7	upper NE rift; felt-hnp, Hilo
4/27/42	10:11:00	N-S (M-S)	3.0	4.15	2.0	2		4.61				do	do	do	do	do
4/27/42	19:19:00	E-W (M-S)	3.0	4.15	2.0	2	shallow-closer to magma reservoir?	4.61				ml ner	slight		deeper?; VL 476, p. 7	upper NE rift
4/27/42	19:19:00	N-S (M-S)	4.0	4.15	1.5	1.5	shallow-closer to magma reservoir?	4.97				do	do	do	do	do
4/28/42	8:13:00	E-W (M-S)		4.15		3	light trace-can't read					ml ner?	moderate	felt	strong?; VL 476, p. 7; not found in HTH	felt strongly-Puu Ulaula; instruments dismantled
4/28/42	8:13:00	N-S (M-S)	24.0	4.15	1.0	1		6.09				do	do	do	do	do
7/9/42	13:30:00	E-W (M-S)	34.0	3.80	1.5	1.5		5.55				kohala os	slight	IV	moderate?; VL 477, p. 3; HTH, July 9, 1942	in ocean n of Kohala; felt strongly-Kohala; Warshauer notes: An earthquake between slight and moderate was recorded at 3:59 a.m. [daylight saving time in effect]; dismantled seismograph, felt strongly in district, also in Hilo
7/9/42	13:30:00	N-S (M-S)	37.0	3.80	1.0	1		5.92				do	do	do	do	do
12/6/42	22:38:00	E-W (M-S)		4.15		3	no trace					ml swr	slight	felt	closer?; VL 478, p. 4; not found in HTH	SW rift near source of 1868 flow; felt Hilo to s Kona
12/6/42	22:38:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
5/7/43	12:39:00	E-W (M-S)		4.20		3	no trace					kaoiki	f-felt	felt	VL 479, p. 5; not found in HTH	e slope Mauna Loa; felt-Kapapala to Hilo
5/7/43	12:39:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/8/43	14:40:00	E-W (M-S)		4.10		3	no trace					ml mok	slight	felt	VL 480, p. 3, 4; not found in HTH	[on p. 3 time given as 5:10 April 8- probably the same quake given a daylight saving time correction and a misprint of the month]; near Mokuaweoweo; felt generally east Hawaii island
5/8/43	14:40:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
6/15/43	8:08:00	E-W (M-S)		3.85		3	no trace					kohala?	slight	felt	closer?; Calc mag accepted on the basis that there may have been high background noise on the Honolulu seismogram preventing the earthquake from being seen; VL 480, p. 4; not found in HTH	near; felt widely Hawaii island
6/15/43	8:08:00	N-S (M-S)		3.85		3	no trace					do	do	do	do	do
11/11/43	2:52:00	E-W (M-S)	12.0	4.15	7.0	3		4.88				hilea?	moderate	VI; VI (USE); V (W&K; S&C)	VL 482, p. 2; not found in HTH	felt widely southern half Hawaii island; stone walls thrown down SW of Pahala; dismantled instruments
11/11/43	2:52:00	N-S (M-S)	12.0	4.15	4.0	3	shallow	4.88				do	do	do	do	do
12/23/43	6:20:00	E-W (M-S)		4.15		3	no trace					ml swr?	slight	felt	closer? or feeble?; VL 482, p. 2; not found in HTH	SW slope Mauna Loa; felt-hnp, Hilo
12/23/43	6:20:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
7/3/44	7:18:00	E-W (M-S)	7.0	3.85	1.5	1.5		4.92				kohala?			offshore?; VL 485, p. 3	NW Hawaii
7/3/44	7:18:00	N-S (M-S)	8.0	3.85	2.0	2		4.74				do			do	do
10/3/44	3:57:00	E-W (M-S)	1.2	4.10	1.0	1.5	detected; 1.5s period assumed	4.40				mauna kea			shallower?; VL 486, p. 3; not found in HTH	deep focus, near Ookala
10/3/44	3:57:00	N-S (M-S)	1.5	4.10		1.5	no trace; threshold mag	4.50				do			do	do
10/18/44	0:24:00	E-W (M-S)	0.5	4.10		1.5	no trace; threshold mag	4.02				mauna kea	f-felt	felt	VL 486, p. 3	Mauna Kea; felt-Hilo
10/18/44	0:24:00	N-S (M-S)	1.0	4.10		1.5	no trace; threshold mag	4.32				do	do	do	do	do
11/12/44	15:26:00	E-W (M-S)	2.5	4.2	2.0	2		4.58	3.9-4.4			kl cal deep?	moderate	V (W&K; USE)	depth increased to match Hon magnitude consistent with felt reports; VL 486, p. 3; not found in HTH	SW of Halemaumau; felt widely-s half Hawaii island, dismantled seismographs at Hilo, Kona and HVO
11/12/44	15:26:00	N-S (M-S)	2.5	4.2	2.0	2	signal:noise ~2	4.58	3.9-4.4			do	do	do	do	do
11/16/44	04:49:00	E-W (M-S)		4.2		3	no trace		3.6-4.1			kl cal 05-10?	moderate	felt	VL 486, p. 3	do; felt-hnp
11/16/44	04:49:00	N-S (M-S)		4.2		3	no trace		3.6-4.1			do	do	do	do	do
12/27/44	14:12:00	E-W (M-S)	50.0	4.10	2.0	2		5.78		5.5	WK	ml mok	strong	VI; VI (USE; S&C)	VL 486, p. 3; HTH, Dec. 27, 1944	e edge Mokuaweoweo; felt widely Hawaii island, plainly on Oahu; objects off shelves Pepeekeo and, stone fences down in Hilea; dismantled seismographs; Warshauer notes: sharp quake awakened people; dur few secs, no damage in Hilo; pronounced in hnp
12/27/44	14:12:00	N-S (M-S)		4.10		3	trace too light-can't read			5.5	do	do	do	do	do	do
12/27/44	16:16:00	E-W (M-S)		4.10		3	no trace					ml mok	slight	III	VL 486, p. 3; HTH, Dec. 27, 1944	do; dismantled seismographs; Warshauer notes: the earthquake [at 4 a.m. HST] was followed by two smaller quakes at 6 and 7 a.m. [daylight saving times approximate?]
12/27/44	16:16:00	N-S (M-S)		4.10		3	aftershock-no trace					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/27/44	18:45:00	E-W (M-S)	5.0	4.10	1.0	1	aftershock?-not in VL	5.35				mok	slight		leave out of catalog	
12/27/44	18:45:00	N-S (M-S)	5.0	4.10	1.0	1	aftershock?-not in VL	5.35				mok	slight		leave out of catalog	
12/30/44	19:51:00	E-W (M-S)	26.0	4.10	2.0	2	aftershock	5.50				mok	moderate		deeper?; VL 486, p. 3; not found in HTH	do; Warshauer notes: the earthquake [at 4 a.m. HST] was followed by two smaller quakes at 6 and 7 a.m. [daylight saving times approximate?]
12/30/44	19:51:00	N-S (M-S)	19.0	4.10	2.0	2	aftershock	5.36				mok	moderate		deeper?; VL 486, p. 3; not found in HTH	do; Warshauer notes: the earthquake [at 4 a.m. HST] was followed by two smaller quakes at 6 and 7 a.m. [daylight saving times approximate?]
12/31/44	21:40:00	E-W (M-S)	10.0	4.10	2.0	2	aftershock	5.08				mok	moderate		VL 486, p. 3; not found in HTH	wood valley
12/31/44	21:40:00	N-S (M-S)	7.0	4.10	2.0	2	aftershock	4.93				mok	moderate		VL 486, p. 3; not found in HTH	wood valley
1/24/45	21:08:00	E-W (M-S)	0.8	4.2	1.5	1.5	noise 0.8mm, 1.5s	4.32	4.2-4.7			kl cal deep	moderate	felt	VL 487, p. 5	e rim Kilauea crater; felt widely-s half Hawaii island
1/24/45	21:08:00	N-S (M-S)	1.0	4.2	2.0	2		4.18	4.2-4.7			do	do	do	do	do
1/24/45	21:08:00	E-W (M-S)		4.2			no repeat		4.2-4.7			do	do	do	do	do
1/24/45	21:08:00	N-S (M-S)	2.0	4.2	2.0	2	repeat; noise 0.8mm, 1.5s	4.48	4.2-4.7			do	do	do	do	do
3/5/45	10:30:00	E-W (M-S)	8.0	4.15	2.0	2		5.04				ml swr	moderate	V	VL 487, p. 6; VL date wrong-Honolulu record shows march 5	SW rift; felt widely Hawaii island; stopped clocks s Kona
3/5/45	10:30:00	N-S (M-S)	6.0	4.15	2.0	2		4.91				do	do	do	do	do
3/13/45	05:30:00	E-W (M-S)	0.7	4.25		1.5	no trace; threshold mag	4.32	4.4-4.9			kl kuer sf?	moderate	felt	location onshore would be more consistent with modern catalog and give better mag agreement with Hon consistent with felt report; VL 487, p. 6; not found in HTH	in ocean off Puna-Kau boundary; felt-hnp, dismantled seismograph
3/13/45	05:30:00	N-S (M-S)	1.0	4.25		1.5	no trace; threshold mag	4.47	4.4-4.9			do	do	do	do	do
3/26/45	21:07:00	E-W (M-S)		4.3		3	no trace		3.7-4.2			kl kuer sf os	slight	felt	VL 487, p. 6	off coast south of Kilauea; felt-east Hawaii island
3/26/45	21:07:00	N-S (M-S)		4.3		3	lost during record change		3.7-4.2			do	do	do	do	do
4/3/45	05:07:00	E-W (M-S)		4.2		3	no trace		2.9-3.4			kilauea	moderate	felt	average distance and depth assumed from modern catalog locations of near-caldera events; VL 488, p. 3	Kilauea in VL; felt-hnp
4/3/45	05:07:00	N-S (M-S)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
5/19/45	12:18:00	E-W (M-S)	9.0	4.20	1.5	1.5		5.37				kaoiki	moderate	V (USE; S&C)	deeper?; VL 488, p. 3; not found in HTH	e slope Mauna Loa; felt generally Hawaii island, slightly on Oahu
5/19/45	12:18:00	N-S (M-S)	11.0	4.20	2.0	2		5.22				do	do	do	do	do
5/30/45	5:15:00	E-W (M-S)		4.20		3	no trace					kaoiki	slight	felt	488, p. 3	5 mi SW of Puu Ulaula; felt-hnp, Hilo, s Kona
5/30/45	5:15:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
6/15/45	6:16:00	E-W (M-S)	0.5	4.15	2.0	1.5	detected; 1.5s period assumed	4.07				hilea	slight	felt	488, p. 3	near Pahala; felt-hnp, Pahala
6/15/45	6:16:00	N-S (M-S)	1.2	4.15	2.0	1.5	no trace; threshold mag	4.45				do	do	do	do	do
7/13/45	12:45:00	E-W (M-S)	4.5	4.3	10.0	3		4.60	4.4-4.9			kl mer sf	moderate	kl ler sf?	kl ler sf?	kl ler sf?
7/13/45	12:45:00	N-S (M-S)	5.0	4.3	2.0	2		4.98	4.4-4.9			do	do	do	do	do
8/9/45	21:16:00	E-W (M-S)	1.0	4.20	3.0	3	film time 20:16, nothing at 21:16; misprint in VL?	3.85				kaoiki	slight	felt	Honolulu records quake at 20:16; time 10:46 (Daylight savings time?); 489, p. 4; not found in HTH	e slope Mauna Loa above Kapapala; felt SW Hawaii island

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/9/45	21:16:00	N-S (M-S)	1.0	4.20		3	film time 20:16, nothing at 21:16; misprint in VL?	3.85				do	do	do	do	do
9/19/45	16:03:00	E-W (M-S)	1.4	4.10	4.0	3		3.89				ml nf	slight	V (USE)	489, p. 4; not found in HTH	bet Mauna Loa and Mauna Kea; felt widely Hawaii island
9/19/45	16:03:00	N-S (M-S)	2.0	4.10	2.0	2		4.38				do	do	do	do	do
12/17/45	7:00:00	E-W (M-S)	6.0	4.20	2.0	2		4.96				kaoiki	slight	felt	deeper?, farther away? or moderate?; Honolulu mag too high for felt report?; 490, p. 3	e flank of Mauna Loa; felt-hnp, Pahala, Hilo; e-w component dismantled
12/17/45	7:00:00	N-S (M-S)	4.5	4.20	1.0	1		5.41				do	do	do	do	do
2/6/46	15:15:00	E-W (M-S)	1.0	4.20	1.0	1	deep?	4.76				hilea	slight-felt	felt	491, p. 5	near coast below Pahala; felt-Kau, s Kona
2/6/46	15:15:00	N-S (M-S)	1.0	4.20	1.0	1	deep?	4.76				do	do	do	do	do
2/8/46	16:45:00	E-W (M-S)	1.0	4.15	1.5	1.5	detected; 1.5s period assumed	4.37				ml ner	slight	felt	491, p. 5	NE rift; felt-hnp, Pahala, Hilo
2/8/46	16:45:00	N-S (M-S)	1.0	4.15	2.0	1.5	detected; 1.5s period assumed	4.37				do	do	do	do	do
2/14/46	19:33:00	E-W (M-S)		4.15		3	no trace					ml swr	slight		491, p. 5	middle SW rift
2/14/46	19:33:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
2/24/46	9:14:00	E-W (M-S)		3.95		3	no trace					kohala?	slight	felt	closer? or feeble?; 491, p. 5	felt-n Kona, s Kohala
2/24/46	9:14:00	N-S (M-S)		3.95		3	no trace					do	do	do	do	do
4/8/46	19:28:00	E-W (M-S)		4.10		3	no trace					ml mok deep?	slight	felt	492, p. 7	deep under Mauna Loa in; felt widely
4/8/46	19:28:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
5/20/46	05:06:00	E-W (M-S)	2.0	4.3	2.0	2		4.58	4.4-4.9			kl ler sf?	slight	felt	Honolulu amplitude average of two readings; s-p on Honolulu record, felt report, and magnitude suggests ler sf; ed assumed for mag agreement; VL 492, p. 7	felt-hnp, Hilo
5/20/46	05:06:00	N-S (M-S)	2.9	4.3	2	2		4.75	4.4-4.9			do	do	do	do	do
5/20/46	05:06:00	SP N-S (N-L)	43.0	4.3	1.0		Neumann-LeBarre N-S short-period instrument in operation as of May 1, 1946; seismometer not calibrated until October 1, 1946; N-L magnitudes not used in catalog; s-p=38 s	5.58				do	do	do	do	do
5/20/46	05:06:00	E-W (M-S)	2.3	4.3	2.0	2	repeat; alternate reading 1.0mm, 1s (M4.86)	4.64	4.4-4.9			do	do	do	do	do
5/20/46	05:06:00	N-S (M-S)	2.6	4.3	2	2	repeat; alternate reading 2.0, 1.5s (M4.82)	4.70	4.4-4.9			do	do	do	do	do
5/20/46	05:06:00	SP N-S (N-L)	43.0	4.3	1.0		repeat	5.58				do	do	do	do	do
5/20/46	08:05:00	E-W (M-S)		4.3			no trace; similar to preceding quake					kl ler sf?	very feeble		similar to preceding quake on Honolulu record; VL 492, p. 7	location assumed
5/20/46	08:05:00	N-S (M-S)		4.3			no trace; similar to preceding quake					do	do		do	do
5/20/46	08:05:00	SP N-S (N-L)	4.5	4.3	1.0		Neumann-LeBarre seismometer not calibrated until October 1, 1946; N-L magnitudes not used in catalog	4.60				do	do		do	do
8/9/46	2:58:00	E-W (M-S)		4.15		3	no trace					ml ner?	slight	felt	493, p. 3	NE slope Mauna Loa; felt-hnp

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/9/46	2:58:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
8/9/46	2:58:00	SP N-S (N-L)		4.15		3	Neumann-LeBarre seismometer not calibrated until October 1, 1946; N-L magnitudes not used in catalog; no trace					do	do	do	do	do
9/3/46	3:09:00	E-W (M-S)		4.20		3	no trace					ml ner?	feeble	felt	[not sure whether s-p horizontal has the same characteristics as the Neumann-LaBarre instrument after Nov., 1946]; 493, p. 3	NE slope Mauna Loa; felt-hnp, Kona
9/3/46	3:09:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
9/3/46	3:09:00	SP N-S (N-L)	9.0	4.20	1.0	1	Neumann-LeBarre seismometer not calibrated until October 1, 1946; N-L magnitudes not used in catalog	4.57				do	do	do	do	do
9/4/46	23:51:00	E-W (M-S)	0.5	4.20		1.5	detected; 1.5s period assumed	4.12				ml ner?	slight	III	493, p. 3; HTH, Sept. 5; Oct. 6, 1946	NE slope Mauna Loa; felt-hnp; Warshauer notes: the strongest quake we've had in quite awhile rocked the volcano and Kau regions; felt duration several sec, no damage; felt in Honolulu [unlikely?]
9/4/46	23:51:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
9/4/46	23:51:00	SP N-S (N-L)	28.0	4.20	1.0	1	Neumann-LeBarre seismometer not calibrated until October 1, 1946; N-L magnitudes not used in catalog; s-p = 32 s	4.91				do	do	do	do	do
10/9/46	10:26:00	E-W (M-S)		4.20		3	no trace					kaoiki	slight	felt	494, p. 7	NE slope Mauna Loa 1 mi e of Mauna Loa seismograph; felt-hnp, Hilo
10/9/46	10:26:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
10/9/46	10:26:00	SP N-S (N-L)	4.0	4.20	1.0	1		4.06				do	do	do	do	do
10/10/46	16:29:00	E-W (M-S)		3.95		3	obliterated by electronic noise					hualalai deep	very feeble	felt	494, p. 7; HTH, Nov. 5, 1946	NW coast of Hualalai; felt-Kona, Maui; Warshauer notes: An earthquake October 10 was widely felt on Maui and scattered points on this island originated deep under the Hualalai coast
10/10/46	16:29:00	N-S (M-S)		3.95		3	obliterated by electronic noise					do	do	do	do	do
10/10/46	16:29:00	SP N-S (N-L)	18.0	3.95	1.0	1	approximate amplitude	4.79				do	do	do	do	do
10/30/46	5:13:00	E-W (M-S)	0.8	4.15		1.5	time 5:16; no trace-threshold magnitude	4.27				kaoiki deep	slight		[not sure whether s-p horizontal has the same characteristics as the Neumann-LaBarre instrument after Nov., 1946]; Hon film time is 18:46, nomogram magnitude accepted; 494, p. 7; HTH, Nov. 5, 1946	e slope Mauna Loa; Warshauer notes: the earthquake of October 29, which rocked most of the eastern half of Hawaii, originated deep under the east slope of Mauna Loa.
10/30/46	5:13:00	N-S (M-S)	1.0	4.15		1.5	time 5:16; no trace-threshold magnitude	4.37				do	do		do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
10/30/46	5:13:00	SP N-S (N-L)	1.5	4.15	1.0	1.5	time 5:16	3.59				do	do		do	do
11/30/46	12:24:00	E-W (M-S)		4.15		3	no trace					kaoiki deep	slight		VL VL 494, p. 7	e slope Mauna Loa
11/30/46	12:24:00	N-S (M-S)	0.7	4.15	1.5	1.5	detected	4.22				do	do	do	do	do
11/30/46	12:24:00	SP N-S (N-L)	27.0	4.15		3	approximate amp; s-p = 30 s	4.41				do	do	do	do	do
12/22/46	17:34:00	E-W (M-S)	0.8	4.20		1.5	threshold magnitude	4.32				hilo	feeble	felt	VL 494, p. 7	felt-e Hawaii island
12/22/46	17:34:00	N-S (M-S)	0.8	4.20		1.5	threshold magnitude	4.32				do	do	do	do	do
12/22/46	17:34:00	SP E-W (N-L)	5.0	4.20	1.0	1		4.32				do	do	do	do	do
1/15/47	20:17:00	E-W (M-S)	0.8	4.15		1.5	threshold magnitude	4.27				ml ner	slight		N-L high?; VL 495, p. 6	NE rift
1/15/47	20:17:00	N-S (M-S)	1.0	4.15		1.5	detected	4.37				do	do	do	do	do
1/15/47	20:18:00	SP E-W (N-L)	18.0	4.15	1.0	1		4.83				do	do	do	do	do
2/6/47	09:23:00	E-W (M-S)		4.2		3	no trace		2.5-2.9			kilauea	slight		average distance and depth assumed from modern catalog locations of near-caldera events; VL 495, p. 6	Kilauea in VL
2/6/47	09:23:00	N-S (M-S)		4.2		3	no trace		2.5-2.9			do	do	do	do	do
2/6/47	09:23:00	SP E-W (N-L)		4.2		3	no trace		2.5-2.9			do	do	do	do	do
2/27/47	5:24:00	E-W (M-S)		4.15		3	no trace					ml ner	feeble	felt	VL 495, p. 6; not found in HTH	NE rift; felt generally-e Hawaii island; mag calculated assuming "slight" fits felt report better
2/27/47	5:24:00	N-S (M-S)	1.5	4.15		1.5	no trace; threshold mag	4.55				do	do	do	do	do
2/27/47	5:24:00	SP E-W (N-L)	8.0	4.15		1.5	noisy; threshold mag	4.47				do	do	do	do	do
3/20/47	9:36:00	E-W (M-S)	3.0	4.10	3.0	3		4.23				ml mok deep	moderate	V (USE)	shallower?, or slight?; VL 495, p. 6; HTH, Mar. 20, 1947	deep under Mauna Loa; felt widely-Hawaii island; dismantled MLO seismometer; Warshauer notes: strong quake under Mauna Loa east slope dismantled seismographs at HVO; shallower than others recently; especially strong at and Kapapala; felt in Hilo
3/20/47	9:36:00	N-S (M-S)	2.0	4.10	2.0	2		4.38				do	do	do	do	do
3/20/47	9:36:00	SP E-W (N-L)	31.0	4.10	1.0	1		4.42				do	do	do	do	do
3/22/47	4:07:00	E-W (M-S)	1.0	3.95		1.5	threshold magnitude	4.17				hualalai	feeble		VL 495, p. 6; not found in HTH	Keahole pt
3/22/47	4:07:00	N-S (M-S)	1.0	3.95		1.5	threshold magnitude	4.17				do	do	do	do	do
3/22/47	4:07:00	SP E-W (N-L)	11.0	3.95	0.5	1	detected; high noise; signal/noise 2	4.57				do	do	do	do	do
3/30/47	6:41:00	E-W (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				ml ner	slight	felt	Honolulu data average of two readings; VL 495, p. 6	NE slope Mauna Loa; felt-hnp, Hilo
3/30/47	6:41:00	N-S (M-S)	0.4	4.15	1.5	1.5	no trace; threshold mag	3.97				do	do	do	do	do
3/30/47	6:41:00	SP E-W (N-L)	1.7	4.15	1.0	1	detected; noise 2 mm, 1s	3.64				do	do	do	do	do
3/30/47	6:41:00	E-W (M-S)	0.5	4.15	1.5	1.5	repeat; no trace; threshold mag	4.07				do	do	do	do	do
3/30/47	6:41:00	N-S (M-S)	0.3	4.15	1.5	1.5	repeat; no trace; threshold mag	3.85				do	do	do	do	do
3/30/47	6:41:00	SP E-W (N-L)	2.0	4.15	1.0	1	repeat; noise; 2mm, 1.5s	3.71				do	do	do	do	do
4/12/47	12:16:00	E-W (M-S)		0.00		3	no trace					kaoiki	slight	felt	VL 496, p. 3	felt-Kapapala
4/12/47	12:16:00	N-S (M-S)		0.00		3	no trace					do	do	do	do	do
4/12/47	12:16:00	SP E-W (N-L)		0.00		3	no trace-noisy record					do	do	do	do	do
4/12/47	12:58:00	E-W (M-S)		0.00		3	no trace					kaoiki?	slight		VL 496, p. 3	
4/12/47	12:58:00	N-S (M-S)		0.00		3	no trace					do	do		do	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/12/47	12:58:00	SP E-W (N-L)		0.00		3	no trace-noisy record					do	do		do	
4/12/47	12:59:00	E-W (M-S)		0.00		3	no trace					kaoiki	slight	felt	VL 496, p. 3	felt-Kapapala
4/12/47	12:59:00	N-S (M-S)		0.00		3	no trace					do	do	do	do	do
4/12/47	12:59:00	SP E-W (N-L)		0.00		3	no trace-noisy record					do	do	do	do	do
5/6/47	6:28:00	E-W (M-S)		0.00		3	no trace					unknown	slight		VL 496, p. 3	
5/6/47	6:28:00	N-S (M-S)		0.00		3	no trace					do	do		do	
5/6/47	6:28:00	SP E-W (N-L)		0.00		3	no trace					do	do		do	
6/15/47	09:00:00	E-W (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	3.9-4.5			kl cal 10-20?	moderate	felt	N-L high?; VL 496, p. 3	moderate depth under Kilauea; felt locally and as far as Papaikou; MLO instrument dismantled
6/15/47	09:00:00	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	3.9-4.5			do	do	do	do	do
6/15/47	09:00:00	SP E-W (N-L)	4.0	4.2	1.0	1	detected-signal:noise ~.5; max amplitude	4.45	3.9-4.5			do	do	do	do	do
6/15/47	09:00:00	E-W (M-S)		4.2			no repeat		3.9-4.5			do	do	do	do	do
6/15/47	09:00:00	N-S (M-S)		4.2			no repeat		3.9-4.5			do	do	do	do	do
6/15/47	09:00:00	SP E-W (N-L)	5.0	4.2		1	repeat; noise 4mm, 1s	4.55	3.9-4.5			do	do	do	do	do
6/19/47	15:24:00	E-W (M-S)	1.5	4.2	3.0	3	signal:noise ~.5	4.02	3.9-4.4			kl cal 10-20?	moderate	felt	VL 496, p. 3	shallow under Kilauea; felt locally; e-w dismantled
6/19/47	15:24:00	N-S (M-S)	1.5	4.2	2.5	2.5	signal:noise ~.5	4.18	3.9-4.4			do	do	do	do	do
6/19/47	15:24:00	SP E-W (N-L)	1.0	4.2	2.0	2	detected	3.85	3.9-4.4			do	do	do	do	do
6/27/47	0:23:00	E-W (M-S)		4.20		3	no trace					kaoiki	slight	felt	VL 496, p. 3; HTH, June 30, 1947	e slope Mauna Loa; felt-hnp,, Hilo; Warshauer notes: The quake last Thursday, recorded about 2:30 p.m., was felt all the way from Hilo to
6/27/47	0:23:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
6/27/47	0:23:00	SP E-W (N-L)	3.0	4.20	1.0	1		3.94				do	do	do	do	do
8/8/47	6:36:00	E-W (M-S)		4.20		3	no trace					kaoiki	s-felt	felt	VL 497, p. 3	e slope Mauna Loa; felt-hnp,, Hilo
8/8/47	6:36:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
8/8/47	6:36:00	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
8/18/47	19:52:00	E-W (M-S)	3.5	4.2	8.0	3		4.39	4.2-4.7			kl cal deep	moderate	felt	VL 497, p. 3; HTH, Aug. 18; 19, 1947	deep under Kilauea; felt locally and at Naalehu; E-W seismograph dismantled; Warshauer notes: An earthquake at 9:52 AM was felt as far as Hilo.
8/18/47	19:52:00	N-S (M-S)	2.0	4.2	6.0	3		4.15	4.2-4.7			do	do	do	do	do
8/18/47	19:52:00	SP E-W (N-L)		4.2		3	missing record		4.2-4.7			do	do	do	do	do
8/19/47	16:44:00	E-W (M-S)		4.20			no trace					kaoiki?	s-felt	felt	VL 497, p. 3; HTH, Aug. 19, 1947	Mauna Loa in; felt locally and at; Warshauer notes: felt at and Kapapala, "much stronger" than the [Kilauea] quake at 9:52 a.m. Aug. 18
8/19/47	16:44:00	N-S (M-S)		4.20			no trace					do	do	do	do	do
8/19/47	16:44:00	SP E-W (N-L)		4.20			record missing					do	do	do	do	do
9/21/47	15:50:00	E-W (M-S)	0.7	4.10	1.0	1	no trace; threshold mag	4.50				ml nf deep	slight	IV	Honolulu data average of 2 readings; shallower?; VL 497, p. 3; HTH, Sept. 22, 1947	deep below Humuula; felt widely-Hawaii island, few on Maui; Warshauer notes: Big Island, from to Hilo and as far west as Pahala in Kau, shook for 3.5 min early Sunday; no damage; slow swaying, intense for 20 sec, acc by rumbling

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
9/21/47	15:50:00	N-S (M-S)	0.2	4.10	1.5	1.5	detected; 1.5s period assumed	3.50				do	do	do	do	do
9/21/47	15:50:00	SP E-W (N-L)	20.0	4.10		3	A=20±10 mm-peak trace invisible	4.23				do	do	do	do	do
9/21/47	15:50:00	E-W (M-S)		4.10			no repeat					do	do	do	do	do
9/21/47	15:50:00	N-S (M-S)	0.5	4.10	1.0	1	repeat 0.5mm; noise 0.5 mm, 1s	4.35				do	do	do	do	do
9/21/47	15:50:00	SP E-W (N-L)	25.0	4.10	1.0	1	repeat	4.33				do	do	do	do	do
9/30/47	14:04:00	E-W (M-S)	6.0	4.2	4.0	3		4.63	3.8-4.3			kl cal deep	moderate	V	N-L peak trace invisible; VL 497, p. 3; HTH, Sept. 30, 1947	east of Kilauea crater; felt generally-s Kona to Hilo; Warshauer notes: Roused sleepers all over island, duration > 1 min; toppled radio antenna and caused a hole to form in Hilo; movement horizontal and vertical; dismantled all seismographs on island
9/30/47	14:04:00	N-S (M-S)	4.0	4.2	7.0	3		4.45	3.8-4.3			do	do	do	do	do
9/30/47	14:04:00	SP Vert (N-L)	20.0	4.2		3	peak trace invisible	5.15	3.8-4.3			do	do	do	do	do
10/17/47	10:27:00	E-W (M-S)		4.15		3	no trace					kaoiki	s-felt	felt	VL 498, p. 3	near Kapapala; felt generally-e Hawaii island
10/17/47	10:27:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
10/17/47	10:27:00	SP E-W (N-L)	5.0	4.15	0.5	1		4.11				do	do	do	do	do
10/31/47	12:13:00	E-W (M-S)	3.8	4.10	4.0	3		4.33				ml mok	m	V	VL 498, p. 3; not found in HTH	Mokuaweoweo; felt widely-e half Hawaii island; clocks stopped in s Kona
10/31/47	12:13:00	N-S (M-S)	4.8	4.10	4.0	3		4.43				do	do	do	do	do
10/31/47	12:13:00	SP E-W (N-L)		4.10		3	record not on film					do	do	do	do	do
12/14/47	20:10:00	E-W (M-S)	0.7	4.2	1.5	1.5	no trace; threshold mag	4.27	4.5-5.0			kl cal deep	moderate	IV	N-L high, M-S low; VL 498, p. 3; HTH, Dec. 15, 1947	felt-hnp, Hilo; Warshauer notes: deep earthquake 20 mi under Kilauea; rattled windows and dishes in the Hilo, Volcano and Kau districts; pronounced vertical motion; felt quite plainly in hnp region, acc. by a rumble; dismantled mlo and HVO seismographs
12/14/47	20:10:00	N-S (M-S)	0.7	4.2	1.5	1.5	no trace; threshold mag	4.27	4.5-5.0			do	do	do	do	do
12/14/47	20:10:00	SP E-W (N-L)	12.0	4.2	1.0	1	minimum amplitude; reread 20mm, 1s (M5.00); noise 1mm, 1s	4.78	4.5-5.0			do	do	do	do	do
12/20/47	15:18:00	E-W (M-S)	0.8	4.10	1.5	1.5	no trace; threshold mag	4.22				ml mok	slight	felt	Honolulu data average of 2 readings; N-L mag high; VL 498, p. 3; HTH, Dec. 2VL 4, 1947	Mokuaweoweo; felt-e half Hawaii island; Warshauer notes: widely felt
12/20/47	15:18:00	N-S (M-S)	0.7	4.10	1.5	1.5	no trace; threshold mag	4.17				do	do	do	do	do
12/20/47	15:18:00	SP E-W (N-L)	13.0	4.10	1.0	1		4.63				do	do	do	do	do
12/20/47	15:18:00	E-W (M-S)		4.10			no repeat					do	do	do	do	do
12/20/47	15:18:00	N-S (M-S)		4.10			no repeat					do	do	do	do	do
12/20/47	15:18:00	SP E-W (N-L)	20.0	4.10	1.0	1	repeat	4.82				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/24/47	16:38:00	E-W (M-S)		4.20		3	no trace					kaoiki	slight	V	VL 498, p. 3; HTH, Dec. 24, 1947	e slope Mauna Loa near Ainapo; felt-hnp, Hilo,; Warshauer notes: The third earthquake to originate under Mauna Loa in five days awakened Big Island residents at 6:38 a.m. today. It was particularly noticeable in the Puueo section of Hilo.
12/24/47	16:38:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
12/24/47	16:38:00	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
1/9/48	2:15:00	E-W (M-S)		4.20		3	no trace					kaoiki	slight	felt	VL 499, p. 3; HTH, Jan. 9, 1948 [time differs from--same quake or a separate one, possibly kl cal deep, not recorded in VL 499?]	e slope Mauna Loa; felt-hnp; Warshauer notes: Seismographs at Hawaii National Park registered a fairly deep earthquake southwest of Kilauea volcano at 4:30 p.m. Thursday. The quake was felt in the volcano district and parts of Hilo.
1/9/48	2:15:00	N-S (M-S)	0.5	4.20	1.5	1.5		4.12				do	do	do	do	do
1/9/48	2:15:00	SP E-W (N-L)	8.0	4.20	1.0	1		4.36				do	do	do	do	do
1/11/48	3:11:00	E-W (M-S)		4.20		3	no trace					kaoiki	slight	felt	VL 499, p. 3	e slope Mauna Loa; felt-hnp
1/11/48	3:11:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
1/11/48	3:11:00	SP E-W (N-L)	2.5	4.20	1.0	1		3.86				do	do	do	do	do
1/15/48	16:16:00	E-W (M-S)		4.15		3	no trace					ml ner	slight	III	VL 499, p. 3; HTH, Jan. 15, 1948	NE slope Mauna Loa; felt-hnp, Hilo; Warshauer notes: a moderate [slight in] earthquake was felt at 6:16 a.m. today, lasting several seconds in the Puueo section of Hilo. It was felt, not severely, in the volcano region and other sections of the island.
1/15/48	16:16:00	N-S (M-S)	1.0	4.15		1.5	no trace; threshold mag	4.37				do	do	do	do	do
1/15/48	16:16:00	SP E-W (N-L)	0.5	4.15		1.5	no trace; threshold mag	3.27				do	do	do	do	do
1/18/48	5:32:00	E-W (M-S)	1.2	2.40	1.0	1		3.03				oahu		III? (Cox)	Cox, 1986; foreshock of June 28, 1948 quake? not recorded at Whitney vault; VL 499, p. 3	felt-Oahu
1/18/48	5:32:00	N-S (M-S)	2.9	2.40	1.0	1		3.42				do	do	do	do	do
1/18/48	5:32:00	SP E-W (N-L)	25.0	2.40	1.0	1		3.28				do	do	do	do	do
1/27/48	9:02:00	E-W (M-S)		4.15		3	no trace					ml ner	slight	felt	N-L high?; VL 499, p. 3; HTH, Jan. 27, 1948	NE rift; felt- to Hilo; Warshauer notes: A moderate earthquake, originating on the northeast slope of Mauna Loa, was registered at 11:02 p.m.; the earthquake was felt over a wide area, including the Puueo section of Hilo
1/27/48	9:02:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
1/27/48	9:02:00	SP E-W (N-L)	11.0	4.15	1.0	1		4.61				do	do	do	do	do
2/12/48	14:14:00	E-W (M-S)		4.15		3	no trace					hilea?	slight		closer?; VL 499, p. 3	SW slope Mauna Loa
2/12/48	14:14:00	N-S (M-S)		4.15		3	no trace					do	do		do	do
2/12/48	14:14:00	SP E-W (N-L)	1.5	4.15	1.0	1		3.59				do	do		do	do
2/20/48	19:30:00	E-W (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	3.8-4.3			kilauea	slight	felt	average distance and depth assumed from modern catalog locations of near-caldera events; VL 499, p. 3	Kilauea in VL; felt-hnp

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/20/48	19:30:00	N-S (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	3.8-4.3			do	do	do	do	do
2/20/48	19:30:00	SP E-W (N-L)	1.2	4.2	1.0	1	no trace; threshold mag	3.93	3.8-4.3			do	do	do	do	do
3/10/48	1:46:00	E-W (M-S)		3.85		3	no trace					kohala?	slight	felt	closer? or feeble?; newspaper location (approx 6VL 5 km from HVO gives better fit than location (9VL 5 km from HVO); VL 499, p. 3; HTH, Mar. 10, 1948	felt from Hilo to Kona; off coast north of Hualalai; Warshauer notes: An earthquake, originating either under Hualalai or Mauna Kea, was recorded by HVO at 3:46 p.m. Tuesday. The quake was felt over a wide area, including Hilo and.
3/10/48	1:46:00	N-S (M-S)		3.85		3	no trace					do	do	do	do	do
3/10/48	1:46:00	SP E-W (N-L)	10.0	3.85	1.0	1		4.43				do	do	do	do	do
3/20/48	02:18:00	E-W (M-S)		4.2		3	well-detected: trace obscured during record change		3.9-4.5			kl cal deep	moderate	IV	Honolulu amplitude average of two readings; N-L high; M-S E-W detected; not read because record was being changed; VL 499, p. 3; HTH, Mar. 20, 1948	deep Kilauea; felt-Hilo to Naalehu; Warshauer notes: A sharp temblor shook the Big Island at 4:18 p.m. Friday, the strongest in three months; a vertical quake, strongly felt in the volcano area and in most areas of Hilo
3/20/48	02:18:00	N-S (M-S)	2.0	4.2	4.0	3	signal:noise ~1.5	4.15	3.9-4.5			do	do	do	do	do
3/20/48	02:18:00	SP E-W (N-L)	12.0	4.2	1.0	1		4.78	3.9-4.5			do	do	do	do	do
3/20/48	02:18:00	E-W (M-S)		4.2			no repeat		3.9-4.5			do	do	do	do	do
3/20/48	02:18:00	N-S (M-S)	1.0	4.2	2.0	2	repeat	4.18	3.9-4.5			do	do	do	do	do
3/20/48	02:18:00	SP E-W (N-L)	12.0	4.2	1.0	1	repeat	4.78	3.9-4.5			do	do	do	do	do
4/24/48	20:05:00	E-W (M-S)		4.15		3	no trace					kaoiki	slight	felt	VL 500, p. 4	e slope Mauna Loa; felt-hnp, Hilo
4/24/48	20:05:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
4/24/48	20:05:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
5/22/48	21:34:00	E-W (M-S)		3.85			no trace					hualalai deep	slight	felt	closer to Kilauea? and/or shallower?; VL 500, p. 4; HTH, May 24, 1948	Hualalai; Warshauer notes: An earthquake originated deep under Hualalai at 11:33 a.m. Saturday. The temblor was felt in the volcano district.
5/22/48	21:34:00	N-S (M-S)	0.5	3.85	0.5	1	detected	4.10				do	do	do	do	do
5/22/48	21:34:00	SP E-W (N-L)		3.85			record missing					do	do	do	do	do
5/25/48	9:16:00	E-W (M-S)		4.15		3	no trace					ml ner	slight	felt	VL 500, p. 4	NE rift; felt-hnp
5/25/48	9:16:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
5/25/48	9:16:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
6/20/48	3:06:00	E-W (M-S)		4.15		3	no trace					kaoiki	slight	felt	VL 500, p. 4	e slope Mauna Loa; felt-hnp
6/20/48	3:06:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
6/20/48	3:06:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
6/28/48	11:41:00	E-W (M-S)		0.00		3	wrong date (6/26) in VL-seismograph dismantled					oahu	slight	VI; VI (Cox; S&C)	Cox, 1986; Cox mag too low?-even HVO location near Molokai yields M 5.4 5; wrong date--6/26/48--in VL 500, p. 4; HTH, June 28, 1948; see bib for more complete damage report; preferred mag calculated as average of nomogram and Cox	Oahu; felt-Hilo; Warshauer notes: felt in Hilo and recorded at HVO; 125-150 miles away, possibly in Molokai vicinity; considerable damage in Honolulu, including houses shifted on foundations, pipes broken and lots of broken plaster and window panes.
6/28/48	11:41:00	N-S (M-S)		0.00		3	wrong date (6/26) in VL-seismograph dismantled					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/28/48	11:41:00	SP E-W (N-L)		0.00		3	wrong date (6/26) in VL-seismograph dismantled					do	do	do	do	do
7/30/48	12:28:00	E-W (M-S)	3.0	4.2	6.0	3		4.33	4.1-4.6			kl cal 10-20?	moderate	V	N-L low; VL 501, p. 3; HTH, July 30, 1948; HTH, Aug. 5, 1948	e of Kilauea crater; felt-hnp; awakened people; Warshauer notes: Residents of the volcano district were jarred by two "fairly sharp" temblors at 2:28 and 2:31 a.m. today. Both quakes were felt generally in the volcano district. No reports from elsewhere.
7/30/48	12:28:00	N-S (M-S)	2.5	4.2	7.0	3		4.25	4.1-4.6			do	do	do	do	do
7/30/48	12:28:00	SP E-W (N-L)	1.0	4.2	6.0	3		3.70	4.1-4.6			do	do	do	do	do
7/30/48	12:31:00	E-W (M-S)	2.5	4.2	5.0	3		4.25	3.9-4.5			kl cal 10-20?	moderate	V	N-L low; VL 501, p. 3; HTH, July 30, 1948; HTH, Aug. 5, 1948	e of Kilauea crater; felt-hnp; awakened people; Warshauer notes: Residents of the volcano district were jarred by two "fairly sharp" temblors at 2:28 and 2:31 a.m. today. Both quakes were felt generally in the volcano district. No reports from elsewhere.
7/30/48	12:31:00	N-S (M-S)	2.0	4.2	7.0	3		4.15	3.9-4.5			do	do	do	do	do
7/30/48	12:31:00	SP E-W (N-L)	1.5	4.2	3.0	3		3.88	3.9-4.5			do	do	do	do	do
7/30/48	12:44:00	E-W (M-S)		4.2		3	no trace		3.5-3.9			kl cal 05-10?	slight	felt	VL 501, p. 3	e of Kilauea crater; felt-hnp
7/30/48	12:44:00	N-S (M-S)		4.2		3	no trace		3.5-3.9			do	do	do	do	do
7/30/48	12:44:00	SP E-W (N-L)		4.2		3	no trace		3.5-3.9			do	do	do	do	do
7/31/48	02:46:00	E-W (M-S)		4.2		3	no trace		3.5-3.9			kl cal 05-10?	slight	felt	VL 501, p. 3	e of Kilauea crater; felt-hnp
7/31/48	02:46:00	N-S (M-S)		4.2		3	no trace		3.5-3.9			do	do	do	do	do
7/31/48	02:46:00	SP E-W (N-L)		4.2		3	no trace		3.5-3.9			do	do	do	do	do
7/31/48	02:56:00	E-W (M-S)		4.2		3	no trace		3.5-3.9			kl cal 05-10?	slight	felt	VL 501, p. 3	e of Kilauea crater; felt-hnp
7/31/48	02:56:00	N-S (M-S)		4.2		3	no trace		3.5-3.9			do	do	do	do	do
7/31/48	02:56:00	SP E-W (N-L)		4.2		3	no trace		3.5-3.9			do	do	do	do	do
8/3/48	13:04:00	E-W (M-S)		4.15		3	no trace					ml ner	moderate	felt	slight?; VL 501, p. 3	NE rift; felt hnp, Hilo
8/3/48	13:04:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
8/3/48	13:04:00	SP E-W (N-L)	2.0	4.15	0.5	1	detected	3.87				do	do	do	do	do
9/5/48	18:01:00	E-W (M-S)		4.15		3	no trace					ml ner	feeble	felt	VL 501, p. 3	NE rift; felt-hnp, Hilo
9/5/48	18:01:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
9/5/48	18:01:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
9/13/48	18:20:00	E-W (M-S)	3.0	4.20	1.0	1	light trace-approx amplitude	5.23				ml nf	moderate	IV	VL 501, p. 3; HTH, Sept. 13, 1948	se of Mauna Kea; felt-e half Hawaii island; Warshauer notes: A heavy earthquake, felt all the way from Hilo to, rocked the southern end of the Big Island at 8:22 a.m. today. Finch said they were deep under Mauna Loa.
9/13/48	18:20:00	N-S (M-S)	2.5	4.20	1.0	1		5.15				do	do	do	do	do
9/13/48	18:20:00	SP E-W (N-L)	18.0	4.20	1.0	1	light trace-approx amplitude; s-p = 34 s	4.88				do	do	do	do	do
9/15/48	19:45:00	E-W (M-S)		4.10		3	no trace					ml mok	slight		N-L low?; VL 501, p. 3	Mokuaweoweo
9/15/48	19:45:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
9/15/48	19:45:00	SP E-W (N-L)	0.5	4.10	1.0	1	detected	3.22				do	do	do	do	do
12/13/48	17:35:00	E-W (M-S)		4.10		3	no trace					kaoiki?	slight		VL 502, p. 3	"mauna loa" in VL

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/13/48	17:35:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
12/13/48	17:35:00	SP E-W (N-L)		4.10		3	no trace					do	do	do	do	do
1/7/49	1:59:00	E-W (M-S)		4.10		3	no trace					ml mok	moderate		closer? or slight?; VL 503, p. 7, 8	2 mi NE of Mokuaweoweo; one of the strongest quakes of the series
1/7/49	1:59:00	N-S (M-S)		4.10		3	no trace					do	do		do	do
1/7/49	1:59:00	SP E-W (N-L)		4.10		3	no trace					do	do		do	do
1/8/49	10:49:00	E-W (M-S)	1.1	4.25	1.0	1	no trace; threshold mag	4.85	4.2-4.7			kl cal deep	moderate	V	Honolulu amplitude average of two readings; VL 503, p. 8; HTH, Jan. 8, 1949	10-15 miles deep under Alae crater; Warshauer notes: A sharp earthquake rocked the Big Island at 12:55 a.m. today, awakening residents of the Kilauea volcano area, Hilo and other areas
1/8/49	10:49:00	N-S (M-S)	0.8	4.25	1.5	1.5	no trace; threshold mag	4.37	4.2-4.7			do	do	do	do	do
1/8/49	10:49:00	SP E-W (N-L)	1.0	4.25		3	detected-origin time: 10:48-signal:noise = 0.5	3.90	4.2-4.7			do	do	do	do	do
1/8/49	10:49:00	E-W (M-S)		4.25			no repeat		4.2-4.7			do	do	do	do	do
1/8/49	10:49:00	N-S (M-S)		4.25			no repeat		4.2-4.7			do	do	do	do	do
1/8/49	10:49:00	SP E-W (N-L)	0.8	4.25		3	repeat	3.80	4.2-4.7			do	do	do	do	do
1/15/49	16:40:00	E-W (M-S)		4.20		3	no trace					ml swr deep	moderate	IV	closer? normal Kaoiki depth?; VL 503, p. 8; HTH, Jan. 15; 16, 1949 [time given as 12:40 a.m.-newspaper time fits Hon time]	above wood valley; Warshauer notes: Hilo this morning was rocked by a heavy earthquake at 6:40, dismantled the e-w component of the Hilo seismograph; the temblor was felt in all parts of the island, particularly in Kona, Kau, Puna and Hilo.
1/15/49	16:40:00	N-S (M-S)	0.5	4.20	1.0	1						do	do	do	do	do
1/15/49	16:40:00	SP E-W (N-L)	11.0	4.20	1.0	1						do	do	do	do	do
1/15/49	21:16:00	E-W (M-S)	2.0	3.80	2.0	2	film time 21:14	4.08				kohala os	slight		closer?; VL 503, p. 8	ocean w of Kohala
1/15/49	21:16:00	N-S (M-S)	3.0	3.80	1.5	1.5	film time 21:14	4.50				do	do	do	do	do
1/15/49	21:16:00	SP E-W (N-L)	25.0	3.80	1.0	1	film time 21:14; light trace-approx amplitude; s-p = 22 s?	4.78				do	do	do	do	do
1/26/49	18:30:00	E-W (M-S)	0.6	4.20		1.5	no trace; threshold mag					hilea?	f?-felt	felt	looked for, not found on Hon film record; HTH, Jan. 27, 1949 [not reported in VL 503!]	Warshauer notes: A moderate [cannot be-feeble? or slight?] earthquake, about 8:30 a.m. Wednesday, was plainly felt in
1/26/49	18:30:00	N-S (M-S)	0.6	4.20		1.5	no trace; threshold mag					do	do	do	do	do
1/26/49	18:30:00	SP E-W (N-L)	0.4	4.20		1.5	no trace; threshold mag					do	do	do	do	do
1/26/49	23:06:00	E-W (M-S)		4.10			no trace					mauna kea deep	feeble		VL 503, p. 8	10 mi SW of Waimea
1/26/49	23:06:00	N-S (M-S)		4.10			no trace					do	do	do	do	do
1/26/49	23:06:00	SP E-W (N-L)		4.10			no trace					do	do	do	do	do
1/27/49	9:57:00	E-W (M-S)	1.0	4.20	2.0	2	detected; noise 0.8mm, 2s	4.18				kaoiki	moderate	felt	Honolulu data average of two readings; VL 503, p. 8; HTH, Jan. 27, 1949	Ohaikea; Warshauer notes: a slight temblor at 11:47 p.m. originated under the east slope of Mauna Loa; plainly felt at; [same as the moderate quake in at 11:57?}
1/27/49	9:57:00	N-S (M-S)	1.0	4.20	2.0	2		4.18				do	do	do	do	do
1/27/49	9:57:00	SP E-W (N-L)	8.0	4.20	1.0	1		4.36				do	do	do	do	do
1/27/49	9:57:00	E-W (M-S)		4.20			no repeat					do	do	do	do	do
1/27/49	9:57:00	N-S (M-S)	0.9	4.20	2.0	2	repeat; noise 0.6mm, 1.5s	4.14				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
1/27/49	9:57:00	SP E-W (N-L)	9.0	4.20	1.0	1	repeat	4.41				do	do	do	do	do
1/27/49	10:04:00	E-W (M-S)		4.15		3	no trace					kaoiki	slight		VL 503, p. 8; HTH, Jan. 27, 1949	e slope mauna loa; Warshauer notes: [an earthquake] at 12:04 a.m. today was also under Mauna Loa
1/27/49	10:04:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
1/27/49	10:04:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
1/29/49	1:50:00	E-W (M-S)	0.6	4.20	1.5	1.5	no trace; threshold mag	4.20				kaoiki	moderate		Honolulu data average of two readings; VL 503, p. 8; HTH, Feb. 26, 1949	e slope mauna loa
1/29/49	1:50:00	N-S (M-S)	0.4	4.20	1.5	1.5	no trace; threshold mag	4.02				do	do	do	do	do
1/29/49	1:50:00	SP E-W (N-L)	9.0	4.20	1.0	1	light trace-approx amplitude	4.41				do	do	do	do	do
1/29/49	1:50:00	E-W (M-S)		4.20			no repeat					do	do	do	do	do
1/29/49	1:50:00	N-S (M-S)		4.20			no repeat					do	do	do	do	do
1/29/49	1:50:00	SP E-W (N-L)	5.0	4.20	1.0	1	repeat	4.16				do	do	do	do	do
1/29/49	5:45:00	E-W (M-S)		4.20		3	no trace					kaoiki	moderate		N-L low?; VL 503, p. 8	e slope Mauna Loa; preferred magnitude calculated as average of Honolulu and nomogram
1/29/49	5:45:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
1/29/49	5:45:00	SP E-W (N-L)	0.5	4.20	1.0	1		3.16				do	do	do	do	do
2/26/49	23:54:00	E-W (M-S)	1.0	4.15	1.0	1		4.71				ml ner	strong	V (USE); IV	VL 503, p. 8; HTH, Feb. 28?, 1949	NE rift 7000 ft; felt strongly-Hilo to; Warshauer notes: located in Kilauea area [conflicts with location], dismantled seismographs at hnp and Hilo; quake strongest in Hilo in several years, also strong at hnp
2/26/49	23:54:00	N-S (M-S)	1.4	4.15	1.0	1		4.85				do	do	do	do	do
2/26/49	23:54:00	SP E-W (N-L)	36.0	4.15	1.0	1	s-p = 33 s	5.13				do	do	do	do	do
2/27/49	20:28:00	E-W (M-S)		4.25		3	no trace		3.3-3.8			kl koae?	slight		VL 503, p. 8	s slope Kilauea
2/27/49	20:28:00	N-S (M-S)		4.25		3	no trace		3.3-3.8			do	do		do	do
2/27/49	20:28:00	SP E-W (N-L)		4.25		3	no trace		3.3-3.8			do	do		do	do
2/27/49	23:45:00	E-W (M-S)		4.15			no trace					hilea?	feeble-felt	VL 503, p. 8	felt-Pahala	felt-pahala
2/27/49	23:45:00	N-S (M-S)		4.15			no trace					do	do	do	do	do
2/27/49	23:45:00	SP E-W (N-L)		4.15			no trace					do	do	do	do	do
4/12/49	4:40:00	E-W (M-S)		4.20		3	no trace					kaoiki	moderate	felt	closer? or slight?; VL 504, p. 5	Kaoiki fault; felt-
4/12/49	4:40:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
4/12/49	4:40:00	SP E-W (N-L)	10.0	4.20	1.0	1	light trace-approx amplitude	4.46				do	do	do	do	do
5/2/49	15:02:00	E-W (M-S)		4.05		3	detected; noise 1.0mm, 1.5s do not use					kona?	strong	VI; V (USE; S&C)	Honolulu data average of two readings; distance given from crude isoseismal map--assumes strong on Kona seismograph; VL 504, p. 5	w slope Mauna Loa; felt-Hilo, strongly at Puu Ulaula, Holualoa to; Kona seismograph broken; many sleepers awakened, some rushed out-of-doors; some objects thrown from shelves-Honaunau to Kealakekua
5/2/49	15:02:00	N-S (M-S)	1.0	4.05	2.0	2		4.03				do	do	do	do	do
5/2/49	15:02:00	SP E-W (N-L)	8.0	4.05	1.0	1		4.34				do	do	do	do	do
5/2/49	15:02:00	E-W (M-S)		4.05		3	no repeat					do	do	do	do	do
5/2/49	15:02:00	N-S (M-S)	0.5	4.05	1.5	1.5	repeat; noise 0.5mm, 1.5s	3.97				do	do	do	do	do
5/2/49	15:02:00	SP E-W (N-L)	8.0	4.05	1.0	1	repeat	4.34				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/8/49	9:26:00	E-W (M-S)		4.10		3	no trace					ml mok	strong	IV (W&K); III	closer? or moderate?; VL 504, p. 5	both ml seismograph components dismantled; Mokuaweoweo; felt-Holualoa, Kealakekua,
5/8/49	9:26:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
5/8/49	9:26:00	SP E-W (N-L)	9.0	4.10	1.0	1		4.47				do	do	do	do	do
5/21/49	11:06:00	E-W (M-S)		4.05			no trace					ml wf	f-felt	felt	VL 504, p. 5	w slope Mauna Loa; felt-Holualoa
5/21/49	11:06:00	N-S (M-S)		4.05			no trace					do	do	do	do	do
5/21/49	11:06:00	SP E-W (N-L)	5.0	4.05	0.5	1	detected	4.14				do	do	do	do	do
5/23/49	20:24:00	E-W (M-S)		4.20		3	detected; noise 0.6mm, 1.5s do not use					kaoiki	moderate	V (W&K); IV	Honolulu data average of two readings; VL 504, p. 5; HTH, May 23, 1949	s slope ml near Kapapala; felt strongly-Pahala; also hnp, Hookena; both comp. ml seismograph dismantled; Warshauer notes: sharp earthquake under Mauna Loa was also recorded on the Hilo seismograph; The quake was felt particularly strongly at Kapapala
5/23/49	20:24:00	N-S (M-S)	0.7	4.20	2.0	2		4.03				do	do	do	do	do
5/23/49	20:24:00	SP E-W (N-L)	5.0	4.20	1.0	1		4.16				do	do	do	do	do
5/23/49	20:24:00	E-W (M-S)		4.20		3	no repeat					do	do	do	do	do
5/23/49	20:24:00	N-S (M-S)	0.3	4.20	1.5	1.5	repeat; noise 0.5mm, 1.5s	3.90				do	do	do	do	do
5/23/49	20:24:00	SP E-W (N-L)	5.0	4.20	1.0	1	repeat	4.16				do	do	do	do	do
5/29/49	3:30:00	E-W (M-S)		4.05			no trace					ml wf	f-felt	felt	VL 504, p. 5	w slope Mauna Loa; felt-Holualoa
5/29/49	3:30:00	N-S (M-S)		4.05			no trace					do	do	do	do	do
5/29/49	3:30:00	SP E-W (N-L)		4.05			no trace					do	do	do	do	do
6/9/49	0:12:00	E-W (M-S)		4.15		3	no trace					ml ner	moderate	III	closer? or slight?; VL 504, p. 5	NE rift; both components of ml seismograph dismantled
6/9/49	0:12:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
6/9/49	0:12:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
6/26/49	5:27:00	E-W (M-S)		4.20		3	no trace					hilea	slight		VL 504, p. 5	s slope Mauna Loa near Punaluu Kahawai
6/26/49	5:27:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
6/26/49	5:27:00	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
7/5/49	10:44:00	E-W (M-S)	4.5	4.35	3.0	3		4.65	4.7-5.2			kl ler sf?	moderate		shallow on Honolulu seismogram; VL 505, p. 3	e rift near Kapoho [Honolulu magnitude suggests either deep rift event or adjacent south flank]
7/5/49	10:44:00	N-S (M-S)	5.5	4.35	6.0	3		4.74	4.7-5.2			do	do	do	do	do
7/5/49	10:44:00	SP E-W (N-L)	5.0	4.35	3.0	3	alternate reading: 3 mm; 0.5 sec (M4.5)	4.70	4.7-5.2			do	do	do	do	do
7/30/49	6:52:00	E-W (M-S)		4.15		3	no trace					kaoiki?	moderate	IV	closer? or slight?; VL 505, p. 3	3 mi ENE of Mokuaweoweo [location changed to Kaoiki at same distance to fit felt reports]; felt strongly-Kapapala, weakly-Hilo to hnp
7/30/49	6:52:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
7/30/49	6:52:00	SP E-W (N-L)	2.0	4.15	1.0	1		3.87				do	do	do	do	do
8/31/49	00:27:00	E-W (M-S)	0.5	4.25	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			kl kuer sf os deep	slight	felt	Honolulu amplitude average of two readings; VL 505, p. 4	8 mi SSE of Apua pt; felt-volcano
8/31/49	00:27:00	N-S (M-S)	0.4	4.25	1.5	1.5	noise 0.5mm, 1.5s	4.07	4.2-4.7			do	do	do	do	do
8/31/49	00:27:00	SP E-W (N-L)	9.2	4.25	1.0	1		4.86	4.2-4.7			do	do	do	do	do
8/31/49	00:27:00	E-W (M-S)		4.25			no repeat		4.2-4.7			do	do	do	do	do
8/31/49	00:27:00	N-S (M-S)		4.25			no repeat		4.2-4.7			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/31/49	00:27:00	SP E-W (N-L)	9.0	4.25	1.0	1	repeat	4.85	4.2-4.7			do	do	do	do	do
9/1/49	22:53:00	E-W (M-S)	0.5	4.20	1.5	1.5	no trace; threshold mag	4.12				kaoiki	moderate	IV; V (W&K)	Honolulu data average of two readings; VL 505, p. 4; HTH, Sept. 2, 1949	Kaoiki fault 3-4 mi NE of Kapapala ranch; felt strongly-Kapapala to, weakly-volcano to Hilo, pahoehoe to Holualoa; Warshauer notes: "strong" earthquake disabled mlo seismograph [otherwise repeats info]
9/1/49	22:53:00	N-S (M-S)	0.5	4.20	1.5	1.5	no trace; threshold mag	4.12				do	do	do	do	do
9/1/49	22:53:00	SP E-W (N-L)	7.0	4.20	1.0	1	minimum amplitude	4.31				do	do	do	do	do
9/1/49	22:53:00	E-W (M-S)		4.20			no repeat					do	do	do	do	do
9/1/49	22:53:00	N-S (M-S)		4.20			no repeat					do	do	do	do	do
9/1/49	22:53:00	SP E-W (N-L)	3.5	4.20	1.0	1	repeat	4.00				do	do	do	do	do
11/4/49	22:12:00	E-W (M-S)		4.10		3	no trace					mauna kea	feeble	felt	VL 506, p. 4; HTH, Nov. 18, 1949	Mauna Kea summit; felt-hunters at 10,000 ft on Mauna Kea; Warshauer notes: A rapid fire series of earthquakes in a pattern often indicative of an impending eruption occurred November 4 directly under the summit of Mauna Kea at a depth of 20 miles.
11/4/49	22:12:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
11/4/49	22:12:00	SP E-W (N-L)		4.10		3	no trace					do	do	do	do	do
11/4/49	22:12:00	Vertical s-p and l-p (Keller?)		4.10		3	no trace					do	do	do	do	do
11/4/49	23:02:00	E-W (M-S)		4.10			no trace					mauna kea	feeble-felt	felt	VL 506, p. 4	Mauna Kea summit; felt-hunters at 10,000 ft on Mauna Kea
11/4/49	23:02:00	N-S (M-S)		4.10			no trace					do	do	do	do	do
11/4/49	23:02:00	SP E-W (N-L)		4.10			no trace					do	do	do	do	do
11/4/49	23:02:00	Vertical s-p and l-p (Keller?)		4.10			no trace					do	do	do	do	do
11/5/49	0:10:00	E-W (M-S)	1.0	4.10	1.5	1.5	no trace; threshold mag	4.32				mauna kea	feeble-felt	felt	VL 506, p. 4	Mauna Kea summit; felt-hunters at 10,000 ft on Mauna Kea
11/5/49	0:10:00	N-S (M-S)	0.5	4.10	1.5	1.5	no trace; threshold mag	4.02				do	do	do	do	do
11/5/49	0:10:00	SP E-W (N-L)	0.8	4.10	1.5	1.5	no trace; threshold mag	2.83				do	do	do	do	do
11/5/49	0:10:00	Vertical s-p and l-p (Keller?)	1.0	4.10	1.0	1	no trace; threshold mag					do	do	do	do	do
11/25/49	17:58:00	E-W (M-S)	1.5	4.15		1.5	threshold magnitude	4.55				ml mok	moderate	III	newspaper depth used; closer? or slight?; VL 506, p. 4; HTH, Nov. 2VL 5, 1949	e slope Mauna Loa near Mokuaweoweo; felt-hnp, n Kona to Hilo; Warshauer notes: felt over most of Big island; Finch placed the quake 12-15 mi below Mauna Loa's summit [20 mi in]; dismantled one component HVO, both components mlo seismographs
11/25/49	17:58:00	N-S (M-S)	2.0	4.15		1.5	threshold magnitude	4.67				do	do	do	do	do
11/25/49	17:58:00	SP E-W (N-L)		4.15		3	record obscured-improperly developed					do	do	do	do	do
11/25/49	17:58:00	spreng. N-S vert		4.15		3	bad record					do	do	do	do	do
11/25/49	17:58:00	Vertical s-p and l-p (Keller?)		4.15		3	record obscured-improperly developed					do	do	do	do	do
12/12/49	01:08:00	E-W (M-S)		4.2		3	no trace		2.7-3.1			kl cal 0-5?	slight	felt	VL 506, p. 4	n end Kilauea crater; felt-hnp

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/12/49	01:08:00	N-S (M-S)		4.2		3	no trace		2.7-3.1			do	do	do	do	do
12/12/49	01:08:00	SP E-W (N-L)		4.2		3	no trace		2.7-3.1			do	do	do	do	do
2/13/50	21:59:00	E-W (M-S)	0.6	4.20	1.5	1.5	no trace; threshold mag	4.20				kaoiki	slight-felt	felt	VL 507, p. 3; HTH, Feb. 1VL 4, 1950	felt-hnp, Hilo; Warshauer notes: The earthquake that shook the volcano area yesterday about noon was "slight".
2/13/50	21:59:00	N-S (M-S)	0.8	4.20	1.5	1.5	no trace; threshold mag	4.32				do	do	do	do	do
2/13/50	21:59:00	SP E-W (N-L)	0.8	4.20	1.5	1.5	no trace; threshold mag	3.36				do	do	do	do	do
2/13/50	21:59:00	SP Vert (SPN)	0.6	4.20	1.0	1	no trace; threshold mag	3.59				do	do	do	do	do
3/25/50	15:43:00	E-W (M-S)	5.0	4.15	4.0	3		4.50				kaoiki	strong	V	shallower?, closer? or moderate; VL 507, p. 4; HTH, Mar. 25, 1950	5000 ft east slope Mauna Loa; felt widely-Hawaii island; quake awakened many on Big island; particularly strong at, Hilo and hnp; described as "moderate to strong", dismantled seismographs at Mauna Loa, Hilo and HVO (one component)
3/25/50	15:43:00	N-S (M-S)	5.0	4.15	4.0	3	signal/noise about 1.5	4.50				do	do	do	do	do
3/25/50	15:43:00	SP E-W (N-L)	18.0	4.15	1.0	1	s-p = 35? s	4.67				do	do	do	do	do
3/25/50	15:43:00	SP Vert (SPN)	4.0	4.15	2.0	2		4.36				do	do	do	do	do
5/4/50	15:51:00	E-W (M-S)		4.20		3	no trace					kaoiki?	slight	felt	VL 508, p. 12; not found in HTH	felt-Kapapala
5/4/50	15:51:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
5/4/50	15:51:00	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
5/4/50	15:51:00	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
5/30/50	1:17:00	E-W (M-S)		4.15		3	record missing!!					kona?	strong	VII; VII (S&C)	isoseismal map in W&K [W&K prefer Kona location, which we accept]; VL 508, p. 12; additional felt reports in HTH, May 30, 1950	upper SW rift; widely felt; all instruments dismantled; damage to water tanks, stone walls, in Kona; Warshauer notes: quake rocked Big Island; duration >5 min; Hilo-broke china, lamps swung; Kona-bottles off shelves; Kona and Hilo seismographs dismantled
5/30/50	1:17:00	N-S (M-S)		4.15		3	record missing!!					do	do	do	do	do
5/30/50	1:17:00	SP E-W (N-L)		4.15		3	record missing!!					do	do	do	do	do
5/30/50	1:17:00	SP Vert (SPN)		4.15		3	record missing!!					do	do	do	do	do
5/31/50	3:28:00	E-W (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				kaoiki?	slight		Honolulu data average of two readings; VL 508, p. 12; HTH, May 31, 1950	Mauna Loa [closer to Kilauea?]; Warshauer notes: the second shock (see above) was weakly recorded on the Hilo seismograph
5/31/50	3:28:00	N-S (M-S)	0.3	4.15	1.5	1.5	noise 0.4mm, 1.5s	3.85				do	do	do	do	do
5/31/50	3:28:00	SP E-W (N-L)	0.7	4.15	1.0	1	detected	3.42				do	do	do	do	do
5/31/50	3:28:00	SP Vert (SPN)	0.5	4.15	1.0	1	no trace; threshold mag	3.62				do	do	do	do	do
5/31/50	3:28:00	E-W (M-S)		4.15			no repeat					do	do	do	do	do
5/31/50	3:28:00	N-S (M-S)		4.15			no repeat					do	do	do	do	do
5/31/50	3:28:00	SP E-W (N-L)	1.8	4.15	1.0	1	repeat	3.83				do	do	do	do	do
5/31/50	3:28:00	SP Vert (SPN)		4.15			no repeat					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/3/50	6:54:00	E-W (M-S)	0.4	4.15	1.5	1.5	no trace; threshold mag	3.97				ml swr?	slight?		seismogram pictured in VL 509, p. 4; measured amp fits slight, but caption gives wrong day; Honolulu data average of two readings; not separately listed in VL 508	
6/3/50	6:54:00	N-S (M-S)	0.4	4.15	1.5	1.5	times for events from June 3-14 taken from Honolulu film-not given in VL; no trace; threshold mag	3.97				do	do		do	
6/3/50	6:54:00	SP E-W (N-L)	0.5	4.15	1.0	1	no trace; threshold mag	3.27				do	do		do	
6/3/50	6:54:00	SP Vert (SPN)	1.4	4.15	1.5	1.5		4.07				do	do		do	
6/3/50	6:54:00	E-W (M-S)		4.15			no repeat					do	do		do	
6/3/50	6:54:00	N-S (M-S)		4.15			no repeat					do	do		do	
6/3/50	6:54:00	SP E-W (N-L)		4.15			no repeat					do	do		do	
6/3/50	6:54:00	SP Vert (SPN)	1.0	4.15	1.5	1.5	repeat; noise 0.8mm, 1.5s	3.92				do	do		do	
6/3/50	12:55:00	E-W (M-S)		4.15		3	assume no trace					ml swr?	slight?		possible detected on one Hon seismometer at this time; not separately listed in VL 508, p. 12	
6/3/50	12:55:00	N-S (M-S)		4.15		3	assume no trace					do	do		do	
6/3/50	12:55:00	SP E-W (N-L)		4.15		3	detected?					do	do		do	
6/3/50	12:55:00	SP Vert (SPN)		4.15		3	no trace					do	do		do	
6/4/50	20:13:00	E-W (M-S)		4.15		3	assume no trace					ml swr?	slight?		not separately listed in VL 508	preferred magnitude calculated as average of Honolulu and nomogram
6/4/50	20:13:00	N-S (M-S)		4.15		3	assume no trace					do	do	do	do	do
6/4/50	20:13:00	SP E-W (N-L)	0.7	4.15	1.0	1		3.42				do	do	do	do	do
6/4/50	20:13:00	SP Vert (SPN)	1.0	4.15	2.0	2		3.92				do	do	do	do	do
6/5/50	5:54:00	E-W (M-S)		4.15		3	assume no trace					ml swr?	slight?		not separately listed in VL 508	preferred magnitude calculated as average of Honolulu and nomogram
6/5/50	5:54:00	N-S (M-S)		4.15		3	assume no trace					do	do	do	do	do
6/5/50	5:54:00	SP E-W (N-L)	0.5	4.15	1.0	1		3.27				do	do	do	do	do
6/5/50	5:54:00	SP Vert (SPN)		4.15		3	no trace					do	do	do	do	do
6/5/50	13:08:00	E-W (M-S)	17.0	4.15	8.0	3		5.03				ml swr?	moderate?	felt	not separately listed in VL 508; HTH, June 6, 1950	Warshauer notes: A series of tremors recorded by HVO were punctuated sharply by a heavy earthquake at 3:09 a.m. and another at 9 a.m. yesterday. The first one was sufficient intensity to dismantle the instrument and the second was strong enough to be felt
6/5/50	13:08:00	N-S (M-S)	10.0	4.15	8.0	3	shallow	4.80				do	do	do	do	do
6/5/50	13:08:00	SP E-W (N-L)	18.0	4.15	2.0	2		4.83				do	do	do	do	do
6/5/50	13:08:00	SP Vert (SPN)	8.0	4.15	1.5	1.5		4.82				do	do	do	do	do
6/5/50	19:25:00	E-W (M-S)		4.15		3	assume no trace					ml swr?	slight?		not separately listed in; HTH, June 6, 1950	Warshauer notes: see above
6/5/50	19:25:00	N-S (M-S)		4.15		3	assume no trace					do	do		do	do
6/5/50	19:25:00	SP E-W (N-L)	2.0	4.15	1.0	1		3.87				do	do		do	do
6/5/50	19:25:00	SP Vert (SPN)	1.0	4.15	1.5	1.5		3.92				do	do		do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/5/50	19:59:00	E-W (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				ml swr?	slight?		Honolulu data average of two readings; not separately listed in VL 508; may be feeble instead of slight	
6/5/50	19:59:00	N-S (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				do	do		do	
6/5/50	19:59:00	SP E-W (N-L)		4.15		3	detected?-slight line thickening					do	do		do	
6/5/50	19:59:00	SP Vert (SPN)	0.3	4.15	1.0	1		3.40				do	do		do	
6/5/50	19:59:00	E-W (M-S)		4.15			no repeat					do	do		do	
6/5/50	19:59:00	N-S (M-S)		4.15			no repeat					do	do		do	
6/5/50	19:59:00	SP E-W (N-L)		4.15			no repeat					do	do		do	
6/5/50	19:59:00	SP Vert (SPN)	0.2	4.15	1.0	1	repeat; noise 0.15 mm, 1s	3.22				do	do		do	
6/6/50	5:07:00	E-W (M-S)	1.0	4.15	4.0	3		3.80				ml swr?	moderate?		not separately listed in VL 508; should be "moderate", according to table at top of p. 12, VL 508; nomogram magnitudes high unless closer to Kona station?	
6/6/50	5:07:00	N-S (M-S)	1.5	4.15	4.0	3		3.97				do	do		do	
6/6/50	5:07:00	SP E-W (N-L)	2.8	4.15	1.0	1		4.02				do	do		do	
6/6/50	5:07:00	SP Vert (SPN)	1.7	4.15	1.0	1		4.15				do	do		do	
6/7/50	1:27:00	E-W (M-S)	2.5	4.15	3.0	3		4.20				ml swr?	moderate?		earthquake swarm; 10 events (t), not separately listed in VL 508, p. 12	
6/7/50	1:27:00	N-S (M-S)	2.5	4.15	5.0	3		4.20				do	do		do	
6/7/50	1:27:00	SP E-W (N-L)	6.0	4.15	1.0	1		4.35				do	do		do	
6/7/50	1:27:00	SP Vert (SPN)	2.5	4.15	1.5	1.5		4.32				do	do		do	
6/7/50	2:08:00	E-W (M-S)	1.0	4.15	3.0	3		3.80				ml swr?	moderate?		Honolulu data average of two readings; not separately listed in VL 508; should be "moderate", according to table at top of p. 12, VL 508; nomogram magnitudes high unless closer to Kona station?	
6/7/50	2:08:00	N-S (M-S)	1.4	4.15	3.0	3		3.94				do	do		do	
6/7/50	2:08:00	SP E-W (N-L)	1.8	4.15	1.0	1		3.83				do	do		do	
6/7/50	2:08:00	SP Vert (SPN)	1.0	4.15	1.0	1	no trace; threshold mag	3.92				do	do		do	
6/7/50	2:08:00	E-W (M-S)	1.6	4.15	2.0	2	repeat; noise 1.0mm, 2s	4.34				do	do		do	
6/7/50	2:08:00	N-S (M-S)	1.1	4.15	1.5	1.5	repeat; noise 0.8mm, 1.5s	4.41				do	do		do	
6/7/50	2:08:00	SP E-W (N-L)	2.0	4.15	1.0	1	repeat	3.87				do	do		do	
6/7/50	2:08:00	SP Vert (SPN)		4.15			no repeat					do	do		do	
6/8/50	16:25:00	E-W (M-S)		4.15		3	no trace					ml swr?	slight?		not separately listed in VL 508; should be "moderate", according to table at top of p. 12, VL 508; nomogram magnitudes high unless closer to Kona station?	
6/8/50	16:25:00	N-S (M-S)	0.7	4.15	2.0	1.5	detected; 1.5s period assumed	4.22				do	do		do	
6/8/50	16:25:00	SP E-W (N-L)		4.15		3	no trace					do	do		do	
6/8/50	16:25:00	SP Vert (SPN)		4.15		3	no trace					do	do		do	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/8/50	16:37:00	E-W (M-S)		4.15		3	no trace					ml swr?	slight?		not separately listed in VL 508; should be "moderate", according to table at top of p. 12, VL 508; nomogram magnitudes high unless closer to Kona station?	
6/8/50	16:37:00	N-S (M-S)	0.5	4.15	2.0	1.5	detected; 1.5s period assumed	4.07				do	do		do	
6/8/50	16:37:00	SP E-W (N-L)		4.15		3	no trace					do	do		do	
6/8/50	16:37:00	SP Vert (SPN)		4.15		3	no trace					do	do		do	
6/10/50	6:42:00	E-W (M-S)	0.9	4.15	2.0	2	no trace; threshold mag	4.09				ml swr?	moderate?		Honolulu data average of two readings; not separately listed in VL 508; should be "moderate", according to table at top of p. 12, VL 508; nomogram magnitudes high unless closer to Kona station?	
6/10/50	6:42:00	N-S (M-S)	1.0	4.15	2.0	2		4.13				do	do		do	
6/10/50	6:42:00	SP E-W (N-L)	1.0	4.15	1.5	1.5	no trace; threshold mag	3.57				do	do		do	
6/10/50	6:42:00	SP Vert (SPN)	1.0	4.15	1.0	1		3.92				do	do		do	
6/10/50	6:42:00	E-W (M-S)		4.15			no repeat					do	do		do	
6/10/50	6:42:00	N-S (M-S)	0.9	4.15	2.0	2	repeat; noise 0.8mm, 2s	4.09				do	do		do	
6/10/50	6:42:00	SP E-W (N-L)		4.15			no repeat					do	do		do	
6/10/50	6:42:00	SP Vert (SPN)		4.15			no repeat					do	do		do	
6/10/50	8:49:00	E-W (M-S)	2.5	4.15	8.0	3		4.20				ml swr?	moderate?		not separately listed in VL 508; should be "moderate", according to table at top of p. 12, VL 508; nomogram magnitudes high unless closer to Kona station?	
6/10/50	8:49:00	N-S (M-S)	1.5	4.15	5.0	3		3.97				do	do		do	
6/10/50	8:49:00	SP E-W (N-L)	2.0	4.15	1.0	1		3.87				do	do		do	
6/10/50	8:49:00	SP Vert (SPN)	2.5	4.15	1.5	1.5		4.32				do	do		do	
6/12/50	1:43:00	E-W (M-S)	4.0	4.15	6.0	3		4.40				ml swr?	moderate?		not in VL 508; HTH, June 13, 1950	Warshauer notes: Two rather strong earthquakes were registered at the Hawaiian volcano observatory Sunday [June 11]
6/12/50	1:43:00	N-S (M-S)	4.0	4.15	4.0	3		4.40				do	do		do	do
6/12/50	1:43:00	SP E-W (N-L)	5.0	4.15	1.5	1.5		4.27				do	do		do	do
6/12/50	1:43:00	SP Vert (SPN)	3.0	4.15	1.5	1.5		4.40				do	do		do	do
6/13/50	13:01:00	E-W (M-S)	4.0	4.15	6.0	3		4.40				ml swr?	moderate?		not in VL 508	
6/13/50	13:01:00	N-S (M-S)	3.0	4.15	6.0	3		4.28				do	do		do	
6/13/50	13:01:00	SP E-W (N-L)	3.0	4.15	2.0	2		4.05				do	do		do	
6/13/50	13:01:00	SP Vert (SPN)	2.5	4.15	1.5	1.5		4.32				do	do		do	
6/14/50	0:04:00	E-W (M-S)	5.0	4.15	6.0	3		4.50				ml swr?	moderate?		not in VL 508; HTH, June 1VL 4, 1950	Warshauer notes: Two strong earthquakes were registered yesterday [June 13], one at 2:05 p.m. and a second at 7:30 p.m. both originating under the southern rim of Mokuaweoweo, the Mauna Loa summit crater

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/14/50	0:04:00	N-S (M-S)	6.0	4.15	4.0	3		4.58				do	do		do	do
6/14/50	0:04:00	SP E-W (N-L)	8.0	4.15	1.0	1		4.47				do	do		do	do
6/14/50	0:04:00	SP Vert (SPN)	4.0	4.15	2.0	2		4.52				do	do		do	do
6/14/50	5:48:00	E-W (M-S)	26.0	4.15	7.0	3		5.21				ml swr?	strong?		US C&GS location given as latitude 20° N; Longitude 155. 5° W; wrong?; not in VL 508; HTH, June 14, 1950	Warshauer notes: Two strong earthquakes were registered yesterday [June 13], one at 2:05 p.m. and a second at 7:30 p.m. both originating under the southern rim of Mokuaweoweo, the Mauna Loa summit crater
6/14/50	5:48:00	N-S (M-S)	21.0	4.15	7.0	3		5.12				do	do		do	do
6/14/50	5:48:00	SP E-W (N-L)	29.0	4.15	2.0	2		5.03				do	do		do	do
6/14/50	5:48:00	SP Vert (SPN)		4.15		3	record disturbed-strong event detected					do	do		do	do
6/15/50	20:14:00	E-W (M-S)	0.8	4.15	1.5	1.5	no trace; threshold mag	4.27				ml swr?	slight		VL 508, p. 12; Honolulu data average of two readings; N-L low?	preferred magnitude calculated as average of Honolulu and nomogram
6/15/50	20:14:00	N-S (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				do	do		do	do
6/15/50	20:14:00	SP E-W (N-L)	0.5	4.15	1.0	1	detected	3.27				do	do		do	do
6/15/50	20:14:00	SP Vert (SPN)		4.15		3	no trace					do	do		do	do
6/15/50	20:14:00	E-W (M-S)		4.15			no repeat					do	do		do	do
6/15/50	20:14:00	N-S (M-S)		4.15			no repeat					do	do		do	do
6/15/50	20:14:00	SP E-W (N-L)	1.5	4.15	1.0	1	repeat; noise 1.0mm, 1s	3.75				do	do		do	do
6/15/50	20:14:00	SP Vert (SPN)		4.15		3	no trace					do	do		do	do
6/21/50	17:06:00	E-W (M-S)		4.2		3	no trace		2.9-3.4			kilauea	moderate	felt	average distance and depth assumed from modern catalog locations of near-caldera events; VL 508, p. 12	Kilauea in VL; felt-hnp
6/21/50	17:06:00	N-S (M-S)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
6/21/50	17:06:00	SP E-W (N-L)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
6/21/50	17:06:00	SP Vert (SPN)	2.0	4.2		1.5	no trace		2.9-3.4			do	do	do	do	do
10/12/50	6:06:00	E-W (M-S)		4.20		3	no trace					kaoiki deep	slight	felt	VL 510, p. 4	e slope Mauna Loa; felt widely-most of Hawaii island; preferred magnitude calculated as average of Honolulu and nomogram
10/12/50	6:06:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
10/12/50	6:06:00	SP E-W (N-L)	7.0	4.20	1.0	1		3.88				do	do	do	do	do
10/12/50	6:06:00	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
12/9/50	05:29:00	E-W (M-S)	2.0	4.25		1.5	threshold magnitude	4.77								
12/9/50	05:29:00	N-S (M-S)	2.0	4.25		1.5	threshold magnitude	4.77								
12/9/50	05:29:00	SP E-W (N-L)	1.0	4.25		1		3.90								
12/9/50	05:29:00	SP Vert (SPN)	1.8	4.25		1	threshold magnitude	4.51								
12/9/50	15:43:00	E-W (M-S)	1.0	4.25	1.5	1.5	no trace; threshold mag	4.47	3.9-4.4			kl koae	moderate	felt	calculated mag low; strong signal lost in swarm?, or deeper?; Honolulu amplitude average of two readings; VL 510, p. 4; HTH, Dec. 9, 1950	e of Mauna Iki; felt widely; Warshauer notes: Beginning at noon yesterday [Dec. 8] the volcano area up to 10:30 this morning was rocked by over 300 earthquakes. The two strongest quakes were at 7:29 p.m. Friday and at 5:43 a.m. this morning.
12/9/50	15:43:00	N-S (M-S)	1.0	4.25	1.5	1.5	no trace; threshold mag	4.47	3.9-4.4			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/9/50	15:43:00	SP E-W (N-L)	3.5	4.25	3.0	3	detected-signal:noise ~1.5	4.44	3.9-4.4			do	do	do	do	do
12/9/50	15:43:00	SP Vert (SPN)		4.25		3	no trace		3.9-4.4			do	do	do	do	do
12/9/50	15:43:00	E-W (M-S)		4.25			no repeat		3.9-4.4			do	do	do	do	do
12/9/50	15:43:00	N-S (M-S)		4.25			no repeat		3.9-4.4			do	do	do	do	do
12/9/50	15:43:00	SP E-W (N-L)	2.8	4.25	2.0	2	repeat	4.35	3.9-4.4			do	do	do	do	do
12/9/50	15:43:00	SP Vert (SPN)		4.25		3	no repeat		3.9-4.4			do	do	do	do	do
12/10/50	06:45:00	E-W (M-S)	27.0	4.2	7.0	3		5.28	4.1-4.6			kl koae?	moderate	felt	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, Dec. 11, 1950	near Kamakaia hills; felt widely; Warshauer notes: dismantled seismographs at HVO, ml and Hilo; felt in Hilo and Kau
12/10/50	06:45:00	N-S (M-S)	17.5	4.2	6.0	3		5.09	4.1-4.6			do	do	do	do	do
12/10/50	06:45:00	SP E-W (N-L)	23.0	4.2	4.0	3		5.06	4.1-4.6			do	do	do	do	do
12/10/50	06:45:00	SP Vert (SPN)	10.0	4.2	2.0	2		5.05	4.1-4.6			do	do	do	do	do
12/10/50	10:42:00	E-W (M-S)	6.0	4.25	6.0	3	not in VL; detected-signal:noise ~2.5	4.68				kl koae?	slight?	IV?	not in VL 510; HTH, Dec. 11, 1950	if slight, must be kcaldeep; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo
12/10/50	10:42:00	N-S (M-S)	5.5	4.25	4.0	3	not in VL; detected-signal:noise ~1.5	4.64				do	do	do	do	do
12/10/50	10:42:00	SP E-W (N-L)	6.0	4.25	2.0	2	not in VL	4.68				do	do	do	do	do
12/10/50	10:42:00	SP Vert (SPN)	3.5	4.25	2.5	2.5	not in VL	4.79				do	do	do	do	do
12/10/50	15:57:00	E-W (M-S)	7.0	4.25	4.0	3		4.74	4.0-4.5			kl koae?	moderate	IV?	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, Dec. 11, 1950	near Kamakaia hills; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo
12/10/50	15:57:00	N-S (M-S)	3.5	4.25	3.0	3		4.44	4.0-4.5			do	do	do	do	do
12/10/50	15:57:00	SP E-W (N-L)	7.5	4.25	3.0	3		4.78	4.0-4.5			do	do	do	do	do
12/10/50	15:57:00	SP Vert (SPN)	4.0	4.25	3.0	3		4.85	4.0-4.5			do	do	do	do	do
12/10/50	18:23:00	E-W (M-S)	19.0	4.2	6.0	3		5.13	4.1-4.6			kl koae?	moderate	IV?	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, Dec. 11, 1950	below Kamakaia hills; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo
12/10/50	18:23:00	N-S (M-S)	15.0	4.2	7.0	3		5.02	4.1-4.6			do	do	do	do	do
12/10/50	18:23:00	SP E-W (N-L)	18.0	4.2	2.0	2		4.96	4.1-4.6			do	do	do	do	do
12/10/50	18:23:00	SP Vert (SPN)	5.5	4.2	2.0	2		4.79	4.1-4.6			do	do	do	do	do
12/11/50	03:29:00	E-W (M-S)	6.5	4.25	8.0	3		4.71	3.9-4.4			kl koae?	moderate	IV?	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, Dec. 11, 1950	Kamakaia hills; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo
12/11/50	03:29:00	N-S (M-S)	5.0	4.25	3.0	3		4.60	3.9-4.4			do	do	do	do	do
12/11/50	03:29:00	SP E-W (N-L)	6.0	4.25	3.0	3		4.68	3.9-4.4			do	do	do	do	do
12/11/50	03:29:00	SP Vert (SPN)	3.5	4.25	2.5	2.5		4.79	3.9-4.4			do	do	do	do	do
12/11/50	03:57:00	E-W (M-S)		4.25		3	no trace		3.7-4.2			kl koae?	moderate	IV?	VL 510, p. 4; HTH, Dec. 11, 1950	near Puu Ohale; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala
12/11/50	03:57:00	N-S (M-S)		4.25		3	no trace		3.7-4.2			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/11/50	03:57:00	SP E-W (N-L)		4.25		3	no trace		3.7-4.2			do	do	do	do	do
12/11/50	03:57:00	SP Vert (SPN)		4.25		3	no trace		3.7-4.2			do	do	do	do	do
12/11/50	07:25:00	E-W (M-S)	33.0	4.2	4.0	3		5.37	>4.6			kl koae?	strong	V?	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, Dec. 11, 1950	Kamakaia hills; felt widely; Warshauer notes: strongest of series; dismantled HVO, ml and Hilo seismographs; felt in Kau and Hilo
12/11/50	07:25:00	N-S (M-S)	23.0	4.2	4.0	3		5.21	>4.6			do	do	do	do	do
12/11/50	07:25:00	SP E-W (N-L)	28.0	4.2	1.5	1.5	minimum amplitude	5.15	>4.6			do	do	do	do	do
12/11/50	07:25:00	SP Vert (SPN)	18.0	4.2	1.5	1.5		5.31	>4.6			do	do	do	do	do
12/11/50	22:53:00	E-W (M-S)	0.3	4.25	1.5	1.5	detected; noise 0.3mm, 1.5s	3.95	4.3-4.8			kl swr sf?	moderate		Honolulu amplitude average of two readings; VL 510, p. 4	SW rift below upper end of 1823 flow
12/11/50	22:53:00	N-S (M-S)	0.3	4.25	1.5	1.5	detected; noise 0.3mm, 1.5s	3.95	4.3-4.8			do	do	do	do	do
12/11/50	22:53:00	SP E-W (N-L)	2.5	4.25	2.0	2		4.30	4.3-4.8			do	do	do	do	do
12/11/50	22:53:00	SP Vert (SPN)	1.5	4.25	1.5	1.5		4.43	4.3-4.8			do	do	do	do	do
12/11/50	22:53:00	SP E-W (N-L)	3.0	4.25	2.0	2	repeat	4.38	4.3-4.8			do	do	do	do	do
12/11/50	22:53:00	SP Vert (SPN)	1.4	4.25	1.5	1.5	repeat	4.40	4.3-4.8			do	do	do	do	do
12/12/50	16:28:00	E-W (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	3.6-4.1			kl koae?	moderate		VL 510, p. 4; HTH, Dec. 12, 1950; Note: discrepancy between 200/day in newspaper story and about 30/day in VL can be explained by quakes smaller than very feeble	depth shallower than preceding quakes; Warshauer notes: Earthquakes which had been shaking the southern end of the Big Island at an average of about 200 a day since last Friday noon had diminished to 85 in the 24-hr period preceding 7:30 a.m. this morning
12/12/50	16:28:00	N-S (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	3.6-4.1			do	do	do	do	do
12/12/50	16:28:00	SP E-W (N-L)	0.5	4.25	1.0	1	no trace; threshold mag	3.60	3.6-4.1			do	do	do	do	do
12/12/50	16:28:00	SP Vert (SPN)	0.6	4.25	1.0	1	no trace; threshold mag	4.03	3.6-4.1			do	do	do	do	do
12/26/50	12:55:00	E-W (M-S)	0.8	4.2		1.5	no trace; threshold mag	4.32	3.8-4.3			kl cal 10-20?	moderate	V	N-L high; VL 510, p. 4; HTH, Dec. 26, 1950	south of Kilauea Iki; felt widely; Warshauer notes: A plainly felt earthquake accompanied by a loud rumble and a roar startled many Hilo and volcano residents out of their sleep early this morning; preferred magnitude calculated without N-L
12/26/50	12:55:00	N-S (M-S)	0.5	4.2		1.5	detected; +/-0.3	4.12	3.8-4.3			do	do	do	do	do
12/26/50	12:55:00	SP E-W (N-L)	10.0	4.2	<1	1	short duration-close to station or deep	4.85	3.8-4.3			do	do	do	do	do
12/26/50	12:55:00	SP Vert (SPN)	1.0	4.2	1.0	1	detected-signal:noise ~1	4.20	3.8-4.3			do	do	do	do	do
1/6/51	14:58:00	E-W (M-S)		4.15		3	no trace					ml swr	slight		VL 511, p. 4; HTH, 1/6/51	SW rift 8000 ft; Warshauer notes; felt in Hilo and, no report from Volcano, probably deep
1/6/51	14:58:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
1/6/51	14:58:00	SP E-W (N-L)	3.0	4.15	1.0	1		4.05				do	do	do	do	do
1/6/51	14:58:00	SP Vert (SPN)		4.15		3	no trace					do	do	do	do	do
2/14/51	20:55:00	E-W (M-S)	0.6	4.20	1.5	1.5	no trace; threshold mag	4.20				kaoiki	slight (m-ml)	felt	ml mag 3.8-4.3; N-L low; VL 511, p. 4	Kaoiki fault near Ainapo; felt-Kapapala; preferred magnitude calculated as average of Honolulu and nomogram
2/14/51	20:55:00	N-S (M-S)	0.6	4.20	1.5	1.5	no trace; threshold mag	4.20				do	do	do	do	do
2/14/51	20:55:00	SP E-W (N-L)	0.6	4.20	1.0	1	detected; noise 0.5mm, 1s	3.24				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/14/51	20:55:00	SP Vert (SPN)	0.5	4.20	1.0	1	no trace; threshold mag	3.51				do	do	do	do	do
2/16/51	17:26:00	E-W (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				ml ner deep	slight (m-ml)	felt	ml mag VL 4.0-4. 5; VL 511, p. 4	NE rift near Puu Ulaula; felt-Hilo to
2/16/51	17:26:00	N-S (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				do	do	do	do	do
2/16/51	17:26:00	SP E-W (N-L)	0.5	4.15	1.5	1.5	no trace; threshold mag	3.27				do	do	do	do	do
2/16/51	17:26:00	SP Vert (SPN)		4.15			no record-lamp out					do	do	do	do	do
3/15/51	06:50:00	E-W (M-S)	1.0	4.3	1.5	1.5	no trace; threshold mag	4.52	3.7-4.2			kl mer	slight	felt	Honolulu amplitude average of two readings; VL 511, p. 4	e rift 3 mi ENE of Napau crater; felt-volcano, Hilo
3/15/51	06:50:00	N-S (M-S)	1.0	4.3	1.5	1.5	no trace; threshold mag	4.52	3.7-4.2			do	do	do	do	do
3/15/51	06:50:00	SP E-W (N-L)	1.0	4.3	1.0	1		3.95	3.7-4.2			do	do	do	do	do
3/15/51	06:50:00	SP Vert (SPN)	0.5	4.3	1.0	1	no trace; threshold mag	4.00	3.7-4.2			do	do	do	do	do
3/15/51	06:50:00	E-W (M-S)		4.3			no repeat		3.7-4.2			do	do	do	do	do
3/15/51	06:50:00	N-S (M-S)		4.3			no repeat		3.7-4.2			do	do	do	do	do
3/15/51	06:50:00	SP E-W (N-L)	0.9	4.3	1.0	1	repeat; noise 0.5mm, 1s	3.90	3.7-4.2			do	do	do	do	do
3/15/51	06:50:00	SP Vert (SPN)		4.3			no repeat		3.7-4.2			do	do	do	do	do
4/22/51	14:54:00	E-W (M-S)	0.7	4.2	1.5	1.5	no trace; threshold mag	4.27	4.5-5.0			kl cal deep	moderate	III	Honolulu amplitude average of two readings; mag agreement improved if shallower (20 km or less); epicenter estimated non-instrumentally, its location only approximate; VL 512, p. 2, 4; HVO unpub	e rift 7 mi S15E from Glenwood; felt-Kapapala, volcano to Hilo; Hilo-III
4/22/51	14:54:00	N-S (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	4.5-5.0			do	do	do	do	do
4/22/51	14:54:00	SP E-W (N-L)	3.0	4.2		3		4.18	4.5-5.0			do	do	do	do	do
4/22/51	14:54:00	SP Vert (SPN)	0.6	4.2	1.0	1	no trace; threshold mag	3.83	4.5-5.0			do	do	do	do	do
4/22/51	14:54:00	E-W (M-S)	0.7	4.2	1.5	1.5	no repeat	4.27	4.5-5.0			do	do	do	do	do
4/22/51	14:54:00	N-S (M-S)	0.6	4.2	1.5	1.5	no repeat	4.20	4.5-5.0			do	do	do	do	do
4/22/51	14:54:00	SP E-W (N-L)	3.5	4.2	1.0	1	repeat	4.24	4.5-5.0			do	do	do	do	do
4/22/51	14:54:00	SP Vert (SPN)	0.6	4.2	1.0	1	no repeat	3.83	4.5-5.0			do	do	do	do	do
4/23/51	00:52:00	E-W (M-S)	59.0	4.2	2.0	2		5.95	>5.0	6.30	Wyss and	kl cal deep	very strong	VII; VII (USE; S&C)	isoseismal map in W&K; e rift near Kilauea crater; VL 512, p. 4; damage report on p. 1-3; HVO unpub; HTH, Apr. 23, 1951; HA, Apr. 23, 1951; preferred magnitude calculated as weighted average of Milne-Shaw av (1), Berkeley, Pasadena and W&K (all 1)	felt-entire island, Maui, Oahu; Hilo-V, n-s, objects onto floor, clock stopped; Warshauer notes: Little damage, Hilo-buildings swayed/dishes broke, glass cracked, water main broke; hnp-damage to roads, new cracks, some subsidence, landslides in Halemaumau
4/23/51	00:52:00	N-S (M-S)	135.0	4.2	2.0	2		6.31	>5.0	6.30		do	do	do	do	do
4/23/51	00:52:00	SP E-W (N-L)	124.0	4.2	2.0	2		5.79	>5.0	6.30		do	do	do	do	do
4/23/51	00:52:00	SP Vert (SPN)	47.0	4.2	1.5	1.5		5.72	>5.0	6.30		do	do	do	do	do
4/23/51	16:36:00	E-W (M-S)	0.8	4.2		1.5	no trace; threshold mag	4.32	>4.5			kl swr	strong	felt	strong classification inconsistent with indicated hypocenter, absence of a record in Honolulu, and limited felt reports; "slight" yields calculated mag 3.77; error in VL 512, p. 5?; HTH, Apr. 23, 1951; HA, Apr. 24, 1951	SW rift 2 mi SW of Mauna Iki; felt-volcano; Warshauer notes: fairly strong at 6:35 a.m.; larger aftershocks felt by many residents of Hilo
4/23/51	16:36:00	N-S (M-S)	0.8	4.2		1.5	no trace; threshold mag	4.32	>4.5			do	do	do	do	do
4/23/51	16:36:00	SP E-W (N-L)	0.7	4.2		1.5	no trace; threshold mag	3.70	>4.5			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/23/51	16:36:00	SP Vert (SPN)	0.5	4.2		1.5	no trace; threshold mag	3.90	>4.5			do	do	do	do	do
4/26/51	13:58:00	E-W (M-S)	0.9	4.3		1.5	no trace; threshold mag	4.47	>4.3			kl mer	strong	felt	strong classification inconsistent with indicated hypocenter, absence of a record in Honolulu, and limited felt reports; Hilo (s) yields calculated mag 3.90-4.38; error in VL 512, p. 5?; HTH, Apr. 26, 1951	e rift near Makaopuhi crater; felt-volcano; Warshauer notes: An earthquake described as "strong" was recorded on HVO and Hilo [slight] seismographs at 3:57:44 this morning.
4/26/51	13:58:00	N-S (M-S)	0.9	4.3		1.5	no trace; threshold mag	4.47	>4.3			do	do	do	do	do
4/26/51	13:58:00	SP E-W (N-L)	0.8	4.3		3	no trace; threshold mag	3.85	>4.3			do	do	do	do	do
4/26/51	13:58:00	SP Vert (SPN)	0.4	4.3		3	no trace; threshold mag	3.90	>4.3			do	do	do	do	do
4/26/51	15:51:00	E-W (M-S)		4.10		3	no trace					mauna kea	feeble		VL 512, p. 5	Waimea plain, 6 mi e of Waimea
4/26/51	15:51:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
4/26/51	15:51:00	SP E-W (N-L)		4.10		3	no trace					do	do	do	do	do
4/26/51	15:51:00	SP Vert (SPN)		4.10		3	no trace					do	do	do	do	do
5/6/51	18:53:00	E-W (M-S)		4.20		3	no trace					hilea	very feeble	felt	VL 512, p. 5	Kaoiki fault 3 mi SW of Pahala; felt-Pahala,, volcano
5/6/51	18:53:00	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
5/6/51	18:53:00	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
5/6/51	18:53:00	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
6/11/51	18:33:00	E-W (M-S)		4.3		3	no trace		3.9-4.4			kl gln	slight	III	VL 512, p. 5; HVO unpub	6 mi w of Pahoa; felt-Hilo to volcano; Hilo-II, typical local quake, one short quick jerk
6/11/51	18:33:00	N-S (M-S)		4.3		3	no trace		3.9-4.4			do	do	do	do	do
6/11/51	18:33:00	SP E-W (N-L)		4.3		3	no trace		3.9-4.4			do	do	do	do	do
6/11/51	18:33:00	SP Vert (SPN)		4.3		3	no trace		3.9-4.4			do	do	do	do	do
6/17/51	22:01:00	E-W (M-S)		4.10		3	no trace					ml wf	vf (sl-ml)		mag ml 3.9-4.3; fits if ml seismometer f instead of s; VL 512, p. 5	9 mi w of Mokuaweoweo
6/17/51	22:01:00	N-S (M-S)		0.00		3	no trace					do	do	do	do	do
6/17/51	22:01:00	SP E-W (N-L)	0.5	4.10		3	detected	3.22				do	do	do	do	do
6/17/51	22:01:00	SP Vert (SPN)		4.10		3	no trace					do	do	do	do	do
8/21/51	10:57:00	E-W (M-S)	160.0	4.05		3		5.90		6.9		kona	strong	VIII; VIII (W&K; S&C)	isoseismal map in W&K; depth 10 km; lat and long of description are 19 29. 5 and 155 58.3 offshore; VL 513, p. 6; HTH, Aug. 21, 1951; HVO, unpub; see also bib for detailed felt reports	3 mi WNW of Napoopoo-prob on Kealakekua fault; strong-all Hawaii island, also Maui, Oahu, much damage on w side Hawaii; Warshauer notes: see W&K; Kapapala-severe quake followed by smaller shocks, last at 6:16 am, phone service disrupted, no major damage
8/21/51	10:57:00	N-S (M-S)	150.0	4.05		3		5.87		6.9		do	do	do	do	do
8/21/51	10:57:00	SP E-W (N-L)	172.0	4.05		3		5.68		6.9		do	do	do	do	do
8/21/51	10:57:00	SP Vert (SPN)	360.0	4.05		3	min amplitude	6.35				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/21/51	11:23:00	E-W (M-S)		4.05		3	record being changed--not separately in VL					kona?			not separately in VL 513 [Note: on 8/21 and 22 designations of strong, moderate, etc. refer to the Kona seismograph for consistency with Honolulu magnitudes, even though explanation at top of p. 6, VL 513 says differently]	
8/21/51	11:23:00	N-S (M-S)		4.05		3	record being changed--not separately in VL					do			do	
8/21/51	11:23:00	SP E-W (N-L)	1.5	4.05		3		3.62				do			do	
8/21/51	11:23:00	SP Vert (SPN)	1.7	4.05	0.8	1		4.02				do			do	
8/21/51	11:28:00	E-W (M-S)		4.05			obscured in mainshock					kona			not in VL 513; found on Hon film record, largely obscured in mainshock	
8/21/51	11:28:00	N-S (M-S)		4.05			obscured in mainshock					do			do	
8/21/51	11:28:00	SP E-W (N-L)	1.4	4.05	1.0	1		3.59				do			do	
8/21/51	11:28:00	SP Vert (SPN)		4.05			obscured in mainshock					do			do	
8/21/51	11:29:00	E-W (M-S)		4.05		3	record being changed					kona	strong-kona?	IV	VL 513, p. 6 [Calculated nomogram magnitudes for the mainshock and for aftershocks 8/21-8/2VL 4 are consistent only if qualitative magnitude classifications reported in the Volcano Letter apply to the Kona seismometer; 10 km distance assumed]	origin near preceding quake; felt strongly-Kona
8/21/51	11:29:00	N-S (M-S)		4.05		3	record being changed					do	do	do	do	do
8/21/51	11:29:00	SP E-W (N-L)	1.5	4.05		3		3.62				do	do	do	do	do
8/21/51	11:29:00	SP Vert (SPN)	0.5	4.05		3		3.49				do	do	do	do	do
8/21/51	11:47:00	E-W (M-S)		4.05		3	obscured in mainshock; not in VL					kona?			Honolulu data average of two readings; not separately in VL 513	
8/21/51	11:47:00	N-S (M-S)		4.05		3	obscured in mainshock					do			do	
8/21/51	11:47:00	SP E-W (N-L)	1.0	4.05	1.0	1		3.44				do			do	
8/21/51	11:47:00	SP Vert (SPN)	0.6	4.05	1.0	3	no trace; threshold mag	3.57				do			do	
8/21/51	11:47:00	E-W (M-S)		4.05		3	no repeat					do			do	
8/21/51	11:47:00	N-S (M-S)		4.05		3	no repeat					do			do	
8/21/51	11:47:00	SP E-W (N-L)	0.6	4.05	1.0	1	repeat; noise 0.4mm, 1s	3.22				do			do	
8/21/51	11:47:00	SP Vert (SPN)		4.05		3	no repeat					do			do	
8/21/51	12:55:00	E-W (M-S)		4.05		3	obscured in mainshock; not separately in VL					kona		II	Honolulu data average of two readings; not separately in VL 513; HVO, unpub	Capt. Cook (Greenwell diary)-pleasant little shake, they're growing again; key to aftershock intensities: windows rattle = I-II, slight = II, pretty good one = III or IV, jar = explosion type, jolt = larger explosion type, dog barks at I = III or greater!
8/21/51	12:55:00	N-S (M-S)		4.05		3	obscured in mainshock; not separately in VL					do	do	do	do	do
8/21/51	12:55:00	SP E-W (N-L)	2.0	4.05	1.0	1		3.74				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/21/51	12:55:00	SP Vert (SPN)	0.6	4.05	1.0	1	no trace; threshold mag	3.57				do	do	do	do	do
8/21/51	12:55:00	E-W (M-S)		4.05		3	no repeat					do	do	do	do	do
8/21/51	12:55:00	N-S (M-S)		4.05		3	no repeat					do	do	do	do	do
8/21/51	12:55:00	SP E-W (N-L)	2.2	4.05	1.0	1	repeat; noise 0.4mm, 1s	3.78				do	do	do	do	do
8/21/51	12:55:00	SP Vert (SPN)		4.05			no repeat					do	do	do	do	do
8/21/51	13:21:00	E-W (M-S)		4.05		3	obscured in mainshock; not separately in VL					kona?			Honolulu data average of two readings; not separately in VL 513	
8/21/51	13:21:00	N-S (M-S)		4.05		3	obscured in mainshock; not separately in VL					do			do	
8/21/51	13:21:00	SP E-W (N-L)	2.0	4.05	1.0	1		3.74				do			do	
8/21/51	13:21:00	SP Vert (SPN)	0.6	4.05	1.0	3	no trace; threshold mag	3.57				do			do	
8/21/51	13:21:00	E-W (M-S)		4.05		3	no repeat					do			do	
8/21/51	13:21:00	N-S (M-S)		4.05		3	no repeat					do			do	
8/21/51	13:21:00	SP E-W (N-L)	2.2	4.05	1.0	1	repeat; noise 0.4mm, 1s	3.78				do			do	
8/21/51	13:21:00	SP Vert (SPN)		4.05			no repeat					do			do	
8/21/51	13:38:00	E-W (M-S)		4.05		3	obscured in mainshock; not separately in VL					kona?			Honolulu data average of two readings; not separately in VL 513	
8/21/51	13:38:00	N-S (M-S)		4.05		3	obscured in mainshock; not separately in VL					do			do	
8/21/51	13:38:00	SP E-W (N-L)	1.0	4.05	1.0	1		3.44				do			do	
8/21/51	13:38:00	SP Vert (SPN)	0.6	4.05	1.0	1	no trace; threshold mag	3.57				do			do	
8/21/51	13:38:00	E-W (M-S)		4.05		3	no repeat					do			do	
8/21/51	13:38:00	N-S (M-S)		4.05		3	no repeat					do			do	
8/21/51	13:38:00	SP E-W (N-L)	1.1	4.05	1.0	1	repeat; noise 0.4mm, 1s	3.48				do			do	
8/21/51	13:38:00	SP Vert (SPN)		4.05			no repeat					do			do	
8/21/51	13:50:00	E-W (M-S)		4.05		3	obscured in mainshock					kona	slight	felt	21 f and vf aftershocks between 1:29 and 3:50; VL 513, p. 6	felt-Kona to volcano; preferred mag calculated as average of nomogram and Honolulu
8/21/51	13:50:00	N-S (M-S)		4.05		3	obscured in mainshock					do	do	do	do	do
8/21/51	13:50:00	SP E-W (N-L)	0.4	4.05	1.0	1	noise-0.4mm, 1s	3.04				do	do	do	do	do
8/21/51	13:50:00	SP Vert (SPN)	0.6	4.05	1.0	1	no trace; threshold mag	3.57				do	do	do	do	do
8/21/51	14:00:00	E-W (M-S)	1.0	4.05	2.0	2		4.03				kona	moderate	felt	VL 513, p. 6	felt-Kona to volcano
8/21/51	14:00:00	N-S (M-S)	0.7	4.05		3		3.54				do	do	do	do	do
8/21/51	14:00:00	SP E-W (N-L)	5.0	4.05	1.0	1		4.14				do	do	do	do	do
8/21/51	14:00:00	SP Vert (SPN)	2.5	4.05	1.5	1.5		4.19				do	do	do	do	do
8/21/51	16:03:00	E-W (M-S)		4.05		3	assume no trace					kona	slight		VL 513, p. 6	
8/21/51	16:03:00	N-S (M-S)		4.05		3	no trace					do	do		do	
8/21/51	16:03:00	SP E-W (N-L)		4.05		3	no trace					do	do		do	
8/21/51	16:03:00	SP Vert (SPN)		4.05		3	no trace					do	do		do	
8/21/51	18:03:00	E-W (M-S)	6.0	4.05	5.0	3		4.48				kona	moderate		closer? or moderate at kona; VL 513, p. 6	
8/21/51	18:03:00	N-S (M-S)	5.0	4.05	5.0	3		4.40				do	do		do	
8/21/51	18:03:00	SP E-W (N-L)	2.5	4.05	1.0	1		3.84				do	do		do	
8/21/51	18:03:00	SP Vert (SPN)	2.8	4.05	1.5	1.5		4.24				do	do		do	
8/21/51	19:38:00	E-W (M-S)		4.05		3	no trace					kona	slight-kona?		VL 513, p. 6	
8/21/51	19:38:00	N-S (M-S)		4.05		3	no trace					do	do		do	
8/21/51	19:38:00	SP E-W (N-L)		4.05		3	no trace					do	do		do	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/21/51	19:38:00	SP Vert (SPN)		4.05		3	no trace					do	do		do	
8/21/51	19:57:00	E-W (M-S)	2.5	4.05	5.0	3		4.10				kona	strong	felt	VL 513, p. 6; HVO, unpub	felt-Kona to volcano; Kapapala ranch (10:00 am)-slight earthquake
8/21/51	19:57:00	N-S (M-S)	3.5	4.05	4.0	3		4.24				do	do	do	do	do
8/21/51	19:57:00	SP E-W (N-L)	3.0	4.05	1.0	1		3.92				do	do	do	do	do
8/21/51	19:57:00	SP Vert (SPN)	1.5	4.05	1.5	1.5		3.97				do	do	do	do	do
8/21/51	20:12:00	E-W (M-S)	3.5	4.05	4.0	3		4.24				kona	strong	felt	VL 513, p. 6; HVO, unpub	felt?; Kapapala ranch (11:15 am-time off by one hour?)-slight earthquake
8/21/51	20:12:00	N-S (M-S)	3.0	4.05	5.0	3		4.18				do	do	do	do	do
8/21/51	20:12:00	SP E-W (N-L)	10.0	4.05	1.0	1		4.44				do	do	do	do	do
8/21/51	20:12:00	SP Vert (SPN)	3.0	4.05	1.0	1		4.27				do	do	do	do	do
8/22/51	4:32:00	E-W (M-S)	4.0	4.05	5.0	3		4.30				kona	strong		VL 513, p. 6	
8/22/51	4:32:00	N-S (M-S)	4.0	4.05	4.0	3		4.30				do	do		do	
8/22/51	4:32:00	SP E-W (N-L)	10.0	4.05	1.0	1		4.44				do	do		do	
8/22/51	4:32:00	SP Vert (SPN)	4.0	4.05	1.5	1.5		4.39				do	do		do	
8/22/51	8:48:00	E-W (M-S)	10.0	4.05	4.0	3		4.70				kona	strong	V?	VL 513, p. 6; HVO, unpub	felt-Kona to volcano; Capt. Cook (Greenwell diary)-big shaker
8/22/51	8:48:00	N-S (M-S)	12.0	4.05	4.0	3		4.78				do	do	do	do	do
8/22/51	8:48:00	SP E-W (N-L)	37.0	4.05	1.0	1		5.01				do	do	do	do	do
8/22/51	8:48:00	SP Vert (SPN)	12.0	4.05	1.0	1		4.87				do	do	do	do	do
8/22/51	12:14:00	E-W (M-S)		4.05		3	no trace					kona	slight-kona?		VL 513, p. 6	
8/22/51	12:14:00	N-S (M-S)		4.05		3	no trace					do	do		do	
8/22/51	12:14:00	SP E-W (N-L)		4.05		3	no trace					do	do		do	
8/22/51	12:14:00	SP Vert (SPN)		4.05		3	no trace					do	do		do	
8/22/51	16:38:00	E-W (M-S)	3.5	4.05	5.0	3		4.24				kona	moderate	III	closer? or moderate at Kona; VL 513, p. 6; HVO, unpub	felt-Kona to Kapapala; Kapapala ranch (6:20 am)-slight earthquake; Capt. Cook (Greenwell diary)-0630, good one
8/22/51	16:38:00	N-S (M-S)	5.0	4.05	5.0	3		4.40				do	do	do	do	do
8/22/51	16:38:00	SP E-W (N-L)	6.0	4.05	1.0	1		4.22				do	do	do	do	do
8/22/51	16:38:00	SP Vert (SPN)	2.0	4.05	1.5	1.5		4.09				do	do	do	do	do
8/22/51	22:38:00	E-W (M-S)		4.05		3	assume no trace					kona?			not separately in VL 513	preferred magnitude calculated as average of Honolulu and nomogram
8/22/51	22:38:00	N-S (M-S)		4.05		3	assume no trace; not in VL					do			do	do
8/22/51	22:38:00	SP E-W (N-L)	0.5	4.05		3		3.14				do			do	do
8/22/51	22:38:00	SP Vert (SPN)		4.05		3	assume no trace					do			do	do
8/23/51	2:04:00	E-W (M-S)	0.5	4.05	1.5	1.5	no trace; threshold mag	3.97				kona	slight		Honolulu data average of two readings; closer? or slight at Kona; VL 513, p. 6	
8/23/51	2:04:00	N-S (M-S)	0.4	4.05	1.5	1.5	detected; noise 0.4mm, 1s	3.87				do	do		do	
8/23/51	2:04:00	SP E-W (N-L)	5.0	4.05	1.0	1		4.14				do	do		do	
8/23/51	2:04:00	SP Vert (SPN)	1.0	4.05	1.0	1		3.79				do	do		do	
8/23/51	2:04:00	E-W (M-S)		4.05			no repeat					do	do		do	
8/23/51	2:04:00	N-S (M-S)		4.05			no repeat					do	do		do	
8/23/51	2:04:00	SP E-W (N-L)	5.0	4.05	1.0	1	repeat	4.14				do	do		do	
8/23/51	2:04:00	SP Vert (SPN)	1.0	4.05	1.0	1	repeat; noise 0.8mm, 1s	3.79				do	do		do	
8/23/51	3:15:00	E-W (M-S)	10.0	4.05	5.0	3		4.70				kona	strong	IV	VL 513, p. 6; HVO, unpub	felt-Kona to volcano; Kapapala ranch (5:18 PM)-medium earthquake

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/23/51	3:15:00	N-S (M-S)	11.0	4.05	4.0	3		4.74				do	do	do	do	do
8/23/51	3:15:00	SP E-W (N-L)	21.0	4.05	1.0	1		4.76				do	do	do	do	do
8/23/51	3:15:00	SP Vert (SPN)	5.0	4.05	2.0	2		4.49				do	do	do	do	do
8/23/51	3:28:00	E-W (M-S)		4.05		3	no trace					kona	slight	III	closer? or slight at Kona; VL 513, p. 6; HVO, unpub	felt-Kona to; Capt. Cook (Greenwell diary)-1730+, pretty good one
8/23/51	3:28:00	N-S (M-S)		4.05		3	no trace					do	do	do	do	do
8/23/51	3:28:00	SP E-W (N-L)	2.5	4.05	1.0	1		3.84				do	do	do	do	do
8/23/51	3:28:00	SP Vert (SPN)		4.05		3	no trace					do	do	do	do	do
9/1/51	2:08:00	E-W (M-S)		4.05		3	assume no trace					kona	vf (st-kona)	IV	Kona mag >3.8 if shallow; VL 513, p. 6; HVO, unpub	Kealakekua fault; felt strongly-Kona; intensity V; 4 km from Kona; Capt. Cook (Greenwell diary)-1600, not felt by me (riding in jeep) but was "evidently a good shake"
9/1/51	2:08:00	N-S (M-S)		4.05		3	assume no trace					do	do	do	do	do
9/1/51	2:08:00	SP E-W (N-L)		4.05		3	no trace					do	do	do	do	do
9/1/51	2:08:00	SP Vert (SPN)		4.05		3	no trace					do	do	do	do	do
9/5/51	0:13:00	E-W (M-S)		4.05		3	assume no trace					kona	vf (st-kona)	IV	Kona mag >3.8 if shallow; VL 513, p. 6; HVO, unpub	felt strongly-Kona; intensity IV; Capt. Cook (Greenwell diary)-at Napoopoo beach felt and sounded like an explosion a few feet underground, more terrifying than 1st quake
9/5/51	0:13:00	N-S (M-S)		4.05		3	assume no trace					do	do	do	do	do
9/5/51	0:13:00	SP E-W (N-L)		4.05		3	no trace					do	do	do	do	do
9/5/51	0:13:00	SP Vert (SPN)		4.05		3	no trace					do	do	do	do	do
9/5/51	8:28:00	E-W (M-S)		4.05		3	assume no trace					kona	vf (st-kona)	III	Kona mag >3.8 if shallow; VL 513, p. 6; HVO, unpub	felt-Kona to; intensity III; Capt. Cook (Greenwell diary)-good one, rattled windows
9/5/51	8:28:00	N-S (M-S)		4.05		3	assume no trace					do	do	do	do	do
9/5/51	8:28:00	SP E-W (N-L)		4.05		3	no trace					do	do	do	do	do
9/5/51	8:28:00	SP Vert (SPN)		4.05		3	no trace					do	do	do	do	do
9/12/51	13:26:00	E-W (M-S)		4.25		3	no trace		3.6-4.1			kl koae	moderate		not felt!; VL 513, p. 6	SW rift near pit craters
9/12/51	13:26:00	N-S (M-S)		4.25		3	no trace		3.6-4.1			do	do	do	do	do
9/12/51	13:26:00	SP E-W (N-L)		4.25		3	no trace		3.6-4.1			do	do	do	do	do
9/12/51	13:26:00	SP Vert (SPN)		4.25		3	no trace		3.6-4.1			do	do	do	do	do
9/15/51	22:46:00	E-W (M-S)	1.0	4.05		1.5	threshold magnitude	4.27								
9/15/51	22:46:00	N-S (M-S)	0.8	4.05		1.5	threshold magnitude	4.17								
9/15/51	22:46:00	SP E-W (N-L)	1.0	4.05		1	threshold magnitude	3.44								
9/15/51	22:46:00	SP Vert (SPN)	1.0	4.05		1	threshold magnitude	3.79								
9/16/51	11:43:00	E-W (M-S)	33.0	4.05	8.0	3		5.22				kaoiki	strong	V (VL; S&C)	VL 513, p. 6; HVO, unpub; HTH, Sept. 17, 1951	Kaoiki fault 3 mi NE of Kapapala; felt-Kona to Hilo; felt-Hilo-III to IV; Hilo-III to IV [date given as 9/15]; Warshauer notes: shook the Big Island; dismantled HVO and ML seismographs; strong in Hilo, Volcano. Pahala, and Kona; no serious damage
9/16/51	11:43:00	N-S (M-S)	15.0	4.05	5.0	3		4.87				do	do	do	do	do
9/16/51	11:43:00	SP E-W (N-L)	31.0	4.05	3.0	3		4.93				do	do	do	do	do
9/16/51	11:43:00	SP Vert (SPN)	14.0	4.05	5.0	3		4.94				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
9/25/51	11:23:00	E-W (M-S)		3.95		3	assume no trace					hualalai	s-felt (m-kona)	felt	Kona mag VL 4.3-4.8; closer to Kona?; preferred magnitude averages Whitney, Kona and two Honolulu magnitudes; VL 513, p. 6; HTH, Sept. 25, 1951	do; felt generally-n Kona; Warshauer notes: see above; preferred magnitude calculated as average of Honolulu and nomogram
9/25/51	11:23:00	N-S (M-S)		3.95		3	assume no trace					do	do	do	do	do
9/25/51	11:23:00	SP E-W (N-L)	3.5	3.95	1.0	1		4.07				do	do	do	do	do
9/25/51	11:23:00	SP Vert (SPN)	0.5	3.95	1.0	1		3.58				do	do	do	do	do
10/9/51	14:45:00	E-W (M-S)		4.05			no trace					kona	slight	IV	VL 514, p. 4; HVO, unpub	central Kona; assume 10 km from Kona; felt-Kona to Hilo; Kealakekua-strong and short; Hilo-II, very light; preferred magnitude calculated as average of Honolulu and nomogram
10/9/51	14:45:00	N-S (M-S)		4.05			no trace					do	do	do	do	do
10/9/51	14:45:00	SP E-W (N-L)	1.5	4.05	0.5	1	detected; timing uncertain	3.62				do	do	do	do	do
10/9/51	14:45:00	SP Vert (SPN)		4.05			no trace					do	do	do	do	do
10/9/51	15:23:00	E-W (M-S)		4.05			no trace					kona	f-felt (m-kona)	III	Kona mag 3.6-4.1; VL 514, p. 4; HVO, unpub	central Kona; assume 4 km from Kona; felt-Kealakekua ; Kealakekua-III, stronger than one at 4:45
10/9/51	15:23:00	N-S (M-S)		4.05			no trace					do	do	do	do	do
10/9/51	15:23:00	SP E-W (N-L)		4.05			record exposed					do	do	do	do	do
10/9/51	15:23:00	SP Vert (SPN)		4.05			no trace					do	do	do	do	do
10/18/51	7:12:00	E-W (M-S)		4.15		3	assume no trace					hilo	slight (m-ml)	felt	ml mag 3.9-4. 4; VL 514, p. 4	3000 ft NE rift; felt-volcano, Hilo
10/18/51	7:12:00	N-S (M-S)		4.15		3	assume no trace					do	do	do	do	do
10/18/51	7:12:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
10/18/51	7:12:00	SP Vert (SPN)		4.15		3	no trace					do	do	do	do	do
11/8/51	19:34:00	E-W (M-S)	68.0	4.15	3.0	3		5.63				ml swr	strong	VI; VI [USE; S&C]	VL 514, p. 5; HTH, Nov. 8; 9, 1951; HVO, unpub	4500 ft SW rift; felt-s Hawaii island; Warshauer notes: "strong" quake shook Big Island; no damage; felt all island; Kona dur 30 sec; Kahuku Ranch-stone fences down, concrete sidewalks cracked, few dishes broken; additional felt reports in HVO, unpub
11/8/51	19:34:00	N-S (M-S)	66.0	4.15	4.0	3		5.62				do	do	do	do	do
11/8/51	19:34:00	SP E-W (N-L)	110.0	4.15	1.5	1.5		5.61				do	do	do	do	do
11/8/51	19:34:00	SP Vert (SPN)	55.0	4.15		3	off scale-minimum	5.66				do	do	do	do	do
11/23/51	18:22:00	E-W (M-S)		4.05		3	no trace					kona	slight (m-kona)	felt	Kona mag 3.8-4.3; location wrong-se of Napoopoo?; or feeble at Whitney?; Kona magnitude preferred; VL 514, p. 5	Kealakekua fault 5 mi w of Napoopoo; felt-central Kona to Kahuku
11/23/51	18:22:00	N-S (M-S)		4.05		3	no trace					do	do	do	do	do
11/23/51	18:22:00	SP E-W (N-L)		4.05		3	no trace					do	do	do	do	do
11/23/51	18:22:00	SP Vert (SPN)		4.05		3	no trace					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/7/51	06:19:00	E-W (M-S)	1.0	4.3		1.5	no trace; threshold mag	4.52	>4.8			kl mer sf?	strong	IV	Honolulu amplitude average of two readings; [moderate?, or closer to summit?; probably kl sf rather than rift]; VL 514, p. 5; additional felt data in HVO unpub; HTH, Dec. 7, 1951	e rift 7 mi SW of Pahoa; felt-Kapapala to Hilo and east Puna; Warshauer notes: A strong earthquake was felt all over the Hilo and Volcano districts at 8:19 last night
12/7/51	06:19:00	N-S (M-S)	1.0	4.3		1.5	no trace; threshold mag	4.52	>4.8			do	do	do	do	do
12/7/51	06:19:00	SP E-W (N-L)	3.2	4.3	0.5	1		4.46	>4.8			do	do	do	do	do
12/7/51	06:19:00	SP Vert (SPN)	0.5	4.3	0.8	1	no trace; threshold mag	4.00	>4.8			do	do	do	do	do
12/7/51	06:19:00	E-W (M-S)	1.0	4.3		1.5	no repeat	4.52	>4.8			do	do	do	do	do
12/7/51	06:19:00	N-S (M-S)	1.0	4.3		1.5	no repeat	4.52	>4.8			do	do	do	do	do
12/7/51	06:19:00	SP E-W (N-L)	4.5	4.3	0.5	1	repeat	4.60	>4.8			do	do	do	do	do
12/7/51	06:19:00	SP Vert (SPN)	0.5	4.3	0.8	1	no repeat	4.00	>4.8			do	do	do	do	do
1/26/52	11:58:00	E-W (M-S)	1.5	4.25	3.0	1.5	no trace; threshold mag	4.65	>4.6			kl kuer sf	strong		["strong" classification inconsistent with indicated hypocenter, lack of felt report and lack of record in Honolulu; slight?]; VL 515, p. 6	Hilina fault 3 mi e of Puu Kapukapu
1/26/52	11:58:00	N-S (M-S)	1.5	4.25	3.0	1.5	no trace; threshold mag	4.65	>4.6			do	do	do	do	do
1/26/52	11:58:00	SP E-W (N-L)	1.5	4.25	2.0	2	no trace; threshold mag	4.08	>4.6			do	do	do	do	do
1/26/52	11:58:00	SP Vert (SPN)		4.25		3	no trace-rechecked		>4.6			do	do	do	do	do
2/2/52	11:16:00	E-W (M-S)	4.0	4.20	3.0	3		4.45				hilo deep	moderate	V	location reasonable?; VL 515, p. 6; HTH, Feb. 2, 1952; HVO, unpub	nearly under Kaumana [Hilo]; felt-most of Hawaii island, strongly at Hilo; Warshauer notes: A short strong earthquake jerked some Hiloans awake at 1:16 this morning, but no damage reported.; Captain Cook-IV; Hilo-II to III, rattled windows; Kukuihaele-V
2/2/52	11:16:00	N-S (M-S)	3.0	4.20	1.5	1.5		4.90				do	do	do	do	do
2/2/52	11:16:00	SP E-W (N-L)	54.0	4.20	1.0	1	minimum amplitude	4.76				do	do	do	do	do
2/2/52	11:16:00	SP Vert (SPN)	15.0	4.20	1.0	1		4.56				do	do	do	do	do
2/8/52	07:55:00	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	>4.4			kl mer	strong		Honolulu amplitude average of two readings; ["strong" classification inconsistent with indicated hypocenter, lack of felt report and record in Honolulu; Honolulu record agrees with mag 3.69 using classification "slight"]; VL 515, p. 6	e rift 1 mi e of Napau crater
2/8/52	07:55:00	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	>4.4			do	do	do	do	do
2/8/52	07:55:00	SP E-W (N-L)	0.5	4.3		3		3.65	>4.4			do	do	do	do	do
2/8/52	07:55:00	SP Vert (SPN)	0.4	4.3	1.0	1	no trace; threshold mag	3.90	>4.4			do	do	do	do	do
2/8/52	07:55:00	E-W (M-S)	0.5	4.3	1.5	1.5	no repeat	4.22	>4.4			do	do	do	do	do
2/8/52	07:55:00	N-S (M-S)	0.4	4.3	1.5	1.5	no repeat	4.12	>4.4			do	do	do	do	do
2/8/52	07:55:00	SP E-W (N-L)	0.7	4.3	1.5	1.5	repeat; noise 0.5mm, 1.5s	3.80	>4.4			do	do	do	do	do
2/8/52	07:55:00	SP Vert (SPN)	0.4	4.3	1.0	1	no repeat	3.90	>4.4			do	do	do	do	do
2/21/52	16:15:00	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	3.5-4.0			kl mer	slight	II	VL 515, p. 6; HVO unpub	e rift 2 mi e of Napau crater; felt-volcano to Pepeekeo; Hilo-II, one jolt with no preliminary
2/21/52	16:15:00	N-S (M-S)	0.6	4.3	1.5	1.5	no trace; threshold mag	4.30	3.5-4.0			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/21/52	16:15:00	SP E-W (N-L)	0.5	4.3	1.5	1.5	no trace; threshold mag	3.65	3.5-4.0			do	do	do	do	do
2/21/52	16:15:00	SP Vert (SPN)		4.3		3	no trace		3.5-4.0			do	do	do	do	do
3/13/52	21:38:00	E-W (M-S)	20.0	4.4	6.0	3		5.35	>5.2			kl mer sf os	strong	felt	VL 515, p. 6	off south shore; felt-volcano to Naalehu
3/13/52	21:38:00	N-S (M-S)	21.0	4.4	6.0	3		5.37	>5.2			do	do	do	do	do
3/13/52	21:38:00	SP E-W (N-L)	15.0	4.4	4.0	3		5.23	>5.2			do	do	do	do	do
3/13/52	21:38:00	SP Vert (SPN)	6.5	4.4	2.0	2		5.21	>5.2			do	do	do	do	do
3/15/52	04:21:00	E-W (M-S)	10.5	4.4	5.0	3		5.07	>5.2			kl mer sf os	strong	felt	VL 515, p. 6	off south shore; felt-Hilo to Kapapala
3/15/52	04:21:00	N-S (M-S)	16.0	4.4	5.0	3		5.25	>5.2			do	do	do	do	do
3/15/52	04:21:00	SP E-W (N-L)	15.0	4.4	1.0	1		5.23	>5.2			do	do	do	do	do
3/15/52	04:21:00	SP Vert (SPN)	6.5	4.4	2.0	2		5.21	>5.2			do	do	do	do	do
3/18/52	03:58:00	E-W (M-S)					record missing		>5.2	5.00	catalog	kl mer sf os?	strong	V; V (USE; S&C)	VL 515, p. 7; HTH, Mar. 18, 1952; see also bib; coverage of the earthquake swarm continues daily through March 28	felt-Naalehu; small tsunami at Kalapana; Warshauer notes: tsunami at Kalapana; earthquake not felt there.
3/18/52	03:58:00	N-S (M-S)	68.0	4.4	6.0	3		5.88	>5.2	5.00	catalog	do	do	do	do	do
3/18/52	03:58:00	SP E-W (N-L)	38.0	4.4	4.0	3		5.63	>5.2	5.00	catalog	do	do	do	do	do
3/18/52	03:58:00	SP Vert (SPN)	12.5	4.4	2.5	2.5		5.50	>5.2	5.00	catalog	do	do	do	do	do
3/18/52	19:02:00	E-W (M-S)	0.5	4.35	1.5	1.5	not in VL; no trace; threshold mag	4.27				kl kuer sf os			not in VL 515	off south shore
3/18/52	19:02:00	N-S (M-S)	0.5	4.35	1.5	1.5	not in VL; no trace; threshold mag	4.27				do	do	do	do	do
3/18/52	19:02:00	SP E-W (N-L)	1.9	4.35	4.0	3	not in VL; noise 0.7mm, 1.5s	4.28				do	do	do	do	do
3/18/52	19:02:00	SP Vert (SPN)	0.5	4.35	1.0	1	not in VL; no trace; threshold mag	4.05				do	do	do	do	do
3/18/52	20:53:00	E-W (M-S)	4.5	4.35	4.0	3	slight? on Bosch-Omori	4.65	4.8-5.3			kl kuer sf os	moderate	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/18/52	20:53:00	N-S (M-S)	6.0	4.35	5.0	3	slight? on Bosch-Omori	4.78	4.8-5.3			do	do	do	do	do
3/18/52	20:53:00	SP E-W (N-L)	4.5	4.35	3.0	3	slight? on Bosch-Omori	4.65	4.8-5.3			do	do	do	do	do
3/18/52	20:53:00	SP Vert (SPN)	2.5	4.35	3.0	3	slight? on Bosch-Omori	4.75	4.8-5.3			do	do	do	do	do
3/18/52	23:01:00	E-W (M-S)	0.5	4.35	1.5	1.5	no trace; threshold mag; similar to event at 19:02	4.27	4.6-5.1			kl kuer sf os	moderate		Honolulu amplitude average of two readings; VL 515, p. 7	off south shore
3/18/52	23:01:00	N-S (M-S)	0.5	4.35	1.5	1.5	no trace; threshold mag	4.27	4.6-5.1			do	do	do	do	do
3/18/52	23:01:00	SP E-W (N-L)	2.0	4.35	3.0	3		4.30	4.6-5.1			do	do	do	do	do
3/18/52	23:01:00	SP Vert (SPN)	0.5	4.35	1.0	1	no trace; threshold mag	4.05	4.6-5.1			do	do	do	do	do
3/18/52	23:01:00	E-W (M-S)		4.35			no repeat		4.6-5.1			do	do	do	do	do
3/18/52	23:01:00	N-S (M-S)		4.35			no repeat		4.6-5.1			do	do	do	do	do
3/18/52	23:01:00	SP E-W (N-L)	1.9	4.35	4.0	3	repeat	4.28	4.6-5.1			do	do	do	do	do
3/18/52	23:01:00	SP Vert (SPN)		4.35			no repeat		4.6-5.1			do	do	do	do	do
3/19/52	00:18:00	E-W (M-S)	60.0	4.3	6.0	3		5.73	>5.2			kl swr sf os	strong		VL 515, p. 7	off south shore
3/19/52	00:18:00	N-S (M-S)	42.0	4.3	5.0	3		5.57	>5.2			do	do	do	do	do
3/19/52	00:18:00	SP E-W (N-L)	36.0	4.3	4.0	3		5.51	>5.2			do	do	do	do	do
3/19/52	00:18:00	SP Vert (SPN)	13.5	4.3	3.5	3		5.43	>5.2			do	do	do	do	do
3/19/52	12:55:00	E-W (M-S)	43.0	4.4	6.0	3		5.68	>5.2			kl mer sf os?	strong	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/19/52	12:55:00	N-S (M-S)	25.0	4.4	6.0	3		5.45	>5.2			do	do	do	do	do
3/19/52	12:55:00	SP E-W (N-L)	24.0	4.4	6.0	3		5.43	>5.2			do	do	do	do	do
3/19/52	12:55:00	SP Vert (SPN)	10.0	4.4	3.0	3		5.40	>5.2			do	do	do	do	do
3/20/52	00:15:00	E-W (M-S)					record missing		4.3-4.7			kl kuer sf os			not in VL 515	off south shore
3/20/52	00:15:00	N-S (M-S)	4.0	4.35	5.0	3	slight? on Bosch-Omori	4.60	4.3-4.7			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/20/52	00:15:00	SP E-W (N-L)	3.0	4.35	3.0	3		4.48	4.3-4.7			do	do	do	do	do
3/20/52	00:15:00	SP Vert (SPN)	2.0	4.35	2.0	2		4.65	4.3-4.7			do	do	do	do	do
3/20/52	01:51:00	E-W (M-S)					record missing		>5.2			kl swr sf os			VL 515, p. 7	off south shore
3/20/52	01:51:00	N-S (M-S)	37.0	4.3	6.0	3	film time approx 01:41	5.52	>5.2			do	do	do	do	do
3/20/52	01:51:00	SP E-W (N-L)	22.0	4.3	5.0	3		5.29	>5.2			do	do	do	do	do
3/20/52	01:51:00	SP Vert (SPN)	11.5	4.3	4.0	3		5.36	>5.2			do	do	do	do	do
3/20/52	11:22:00	E-W (M-S)					record missing		>5.2			kl kuer sf os			VL 515, p. 7	off south shore
3/20/52	11:22:00	N-S (M-S)	33.0	4.35	6.0	3		5.52	>5.2			do	do	do	do	do
3/20/52	11:22:00	SP E-W (N-L)	20.0	4.35	4.0	3		5.30	>5.2			do	do	do	do	do
3/20/52	11:22:00	SP Vert (SPN)	8.0	4.35	4.5	3		5.25	>5.2			do	do	do	do	do
3/20/52	19:51:00	E-W (M-S)	28.0	4.35	5.0	3		5.45	>5.2			kl kuer sf os	strong	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/20/52	19:51:00	N-S (M-S)	32.0	4.35	6.0	3		5.50	>5.2			do	do	do	do	do
3/20/52	19:51:00	SP E-W (N-L)	19.0	4.35	5.0	3		5.28	>5.2			do	do	do	do	do
3/20/52	19:51:00	SP Vert (SPN)	8.0	4.35	4.0	3		5.25	>5.2			do	do	do	do	do
3/21/52	06:16:00	E-W (M-S)	3.5	4.3	4.0	3		4.49	4.7-5.2			kl swr sf os	moderate	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/21/52	06:16:00	N-S (M-S)	3.5	4.3	4.0	3		4.49	4.7-5.2			do	do	do	do	do
3/21/52	06:16:00	SP E-W (N-L)	3.5	4.3	4.0	3		4.49	4.7-5.2			do	do	do	do	do
3/21/52	06:16:00	SP Vert (SPN)	2.0	4.3	2.5	2.5		4.60	4.7-5.2			do	do	do	do	do
3/21/52	09:48:00	E-W (M-S)	3.0	4.3	5.0	3		4.43	4.7-5.2			kl swr sf os	moderate	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/21/52	09:48:00	N-S (M-S)	3.5	4.3	4.0	3		4.49	4.7-5.2			do	do	do	do	do
3/21/52	09:48:00	SP E-W (N-L)	3.0	4.3	3.0	3		4.43	4.7-5.2			do	do	do	do	do
3/21/52	09:48:00	SP Vert (SPN)	2.5	4.3	2.5	2.5		4.70	4.7-5.2			do	do	do	do	do
3/21/52	14:36:00	E-W (M-S)	6.0	4.35	6.0	3		4.78	>5.2			kl kuer sf os	strong	felt	mag agreement improved if moderate rather than strong; VL 515, p. 7	off south shore; felt-Naalehu
3/21/52	14:36:00	N-S (M-S)	6.0	4.35	6.0	3		4.78	>5.2			do	do	do	do	do
3/21/52	14:36:00	SP E-W (N-L)	6.0	4.35	3.0	3		4.78	>5.2			do	do	do	do	do
3/21/52	14:36:00	SP Vert (SPN)	3.0	4.35	3.0	3		4.83	>5.2			do	do	do	do	do
3/21/52	20:55:00	E-W (M-S)	3.5	4.35	4.0	3		4.54	4.2-4.7			kl kuer sf os	slight?		Honolulu amplitude average of two readings; not in VL 515	off south shore
3/21/52	20:55:00	N-S (M-S)	3.0	4.35	5.0	3		4.48	4.2-4.7			do	do	do	do	do
3/21/52	20:55:00	SP E-W (N-L)	2.5	4.35	4.0	3		4.40	4.2-4.7			do	do	do	do	do
3/21/52	20:55:00	SP Vert (SPN)	2.0	4.35	3.5	3		4.65	4.2-4.7			do	do	do	do	do
3/21/52	20:55:00	E-W (M-S)	3.5	4.35	4.0	3	repeat	4.54	4.2-4.7			do	do	do	do	do
3/21/52	20:55:00	N-S (M-S)	4.5	4.35	5.0	3	repeat	4.65	4.2-4.7			do	do	do	do	do
3/21/52	20:55:00	SP E-W (N-L)	2.5	4.35	2.0	2	repeat	4.40	4.2-4.7			do	do	do	do	do
3/21/52	20:55:00	SP Vert (SPN)	2.5	4.35	2.5	2.5	repeat	4.75	4.2-4.7			do	do	do	do	do
3/22/52	00:26:00	E-W (M-S)	2.5	4.35	4.0	3		4.40	4.6-5.1			kl kuer sf os	moderate		mag agreement improved if closer to shore; VL 515, p. 7	off south shore
3/22/52	00:26:00	N-S (M-S)	2.5	4.35	4.0	3		4.40	4.6-5.1			do	do	do	do	do
3/22/52	00:26:00	SP E-W (N-L)	2.0	4.35	3.0	3		4.30	4.6-5.1			do	do	do	do	do
3/22/52	00:26:00	SP Vert (SPN)	1.0	4.35	1.5	1.5		4.35	4.6-5.1			do	do	do	do	do
3/22/52	12:05:00	E-W (M-S)	16.5	4.35	6.0	3		5.22	>5.2			kl kuer sf os	strong	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/22/52	12:05:00	N-S (M-S)	11.0	4.35	8.0	3		5.04	>5.2			do	do	do	do	do
3/22/52	12:05:00	SP E-W (N-L)	8.0	4.35	3.0	3		4.90	>5.2			do	do	do	do	do
3/22/52	12:05:00	SP Vert (SPN)	5.5	4.35	2.5	2.5		5.09	>5.2			do	do	do	do	do
3/22/52	16:19:00	E-W (M-S)	2.0	4.4	5.0	3		4.35	4.7-5.2			kl mer sf os?	moderate		VL 515, p. 7	off south shore
3/22/52	16:19:00	N-S (M-S)	2.0	4.4	4.0	3	signal:noise ~1	4.35	4.7-5.2			do	do	do	do	do
3/22/52	16:19:00	SP E-W (N-L)	3.0	4.4	4.0	3		4.53	4.7-5.2			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/22/52	16:19:00	SP Vert (SPN)	2.0	4.4	2.5	2.5		4.70	4.7-5.2			do	do	do	do	do
3/23/52	05:20:00	E-W (M-S)	5.0	4.4	6.0	3		4.75	4.7-5.2			kl mer sf os?	moderate	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/23/52	05:20:00	N-S (M-S)	4.5	4.4	6.0	3		4.70	4.7-5.2			do	do	do	do	do
3/23/52	05:20:00	SP E-W (N-L)	4.5	4.4	4.0	3		4.70	4.7-5.2			do	do	do	do	do
3/23/52	05:20:00	SP Vert (SPN)	2.0	4.4	2.5	2.5		4.70	4.7-5.2			do	do	do	do	do
3/23/52	16:52:00	E-W (M-S)	4.5	4.4	5.0	3		4.70	4.7-5.2			kl mer sf os?	moderate	V	VL 515, p. 7; HVO unpub	off south shore, felt at Naalehu and Pahala; Pahala-III to V, shook house, rattled windows, house and bed moved
3/23/52	16:52:00	N-S (M-S)	4.5	4.4	5.0	3		4.70	4.7-5.2			do	do	do	do	do
3/23/52	16:52:00	SP E-W (N-L)	4.5	4.4	4.0	3		4.70	4.7-5.2			do	do	do	do	do
3/23/52	16:52:00	SP Vert (SPN)	2.5	4.4	4.0	3		4.80	4.7-5.2			do	do	do	do	do
3/24/52	01:05:00	E-W (M-S)	4.5	4.35	5.0	3	signal:noise ~1	4.65	4.7-5.2			kl kuer sf os	moderate	felt	VL 515, p. 7	off south shore, felt at Naalehu and Pahala
3/24/52	01:05:00	N-S (M-S)	3.0	4.35	4.0	3	signal:noise = .5-1	4.48	4.7-5.2			do	do	do	do	do
3/24/52	01:05:00	SP E-W (N-L)	4.0	4.35	4.0	3		4.60	4.7-5.2			do	do	do	do	do
3/24/52	01:05:00	SP Vert (SPN)	2.0	4.35	2.5	2.5		4.65	4.7-5.2			do	do	do	do	do
3/24/52	12:02:00	E-W (M-S)	3.0	4.4	4.0	3	signal:noise ~1.5	4.53	4.7-5.2			kl mer sf os?	moderate	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/24/52	12:02:00	N-S (M-S)	3.0	4.4	4.0	3	signal:noise =1.5-2	4.53	4.7-5.2			do	do	do	do	do
3/24/52	12:02:00	SP E-W (N-L)	4.5	4.4	4.0	3	deeper?	4.70	4.7-5.2			do	do	do	do	do
3/24/52	12:02:00	SP Vert (SPN)	2.5	4.4	2.0	2		4.80	4.7-5.2			do	do	do	do	do
3/24/52	23:29:00	E-W (M-S)	7.5	4.4	4.0	3		4.92	>5.2			kl mer sf os?	strong	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/24/52	23:29:00	N-S (M-S)	6.0	4.4	5.0	3		4.83	>5.2			do	do	do	do	do
3/24/52	23:29:00	SP Vert (SPN)	3.0	4.4	2.0	2		4.88	>5.2			do	do	do	do	do
3/25/52	10:30:00	E-W (M-S)	0.5	4.35	4.0	3		3.70	4.7-5.2			kuer sf offshore	moderate		mag agreement ok if closer to shore	
3/25/52	10:30:00	N-S (M-S)	0.5	4.35	1.5	1.5	no trace; threshold mag	4.27	4.7-5.2			kl kuer sf os	moderate		Honolulu amplitude average of two readings; VL 515, p. 7	off south shore
3/25/52	10:30:00	SP E-W (N-L)		4.35		3	record missing		4.7-5.2			do	do	do	do	do
3/25/52	10:30:00	SP Vert (SPN)	1.5	4.35		3		4.53	4.7-5.2			do	do	do	do	do
3/25/52	10:30:00	E-W (M-S)		4.35			no repeat		4.7-5.2			do	do	do	do	do
3/25/52	10:30:00	N-S (M-S)		4.35			no repeat		4.7-5.2			do	do	do	do	do
3/25/52	10:30:00	SP E-W (N-L)		4.35		3	record missing		4.7-5.2			do	do	do	do	do
3/25/52	10:30:00	SP Vert (SPN)	2.0	4.35	1.0	1	repeat	4.65	4.7-5.2			do	do	do	do	do
3/25/52	17:04:00	E-W (M-S)	6.0	4.35	5.0	3	signal:noise ~1	4.78	>5.2			kl kuer sf os	strong	felt	Honolulu amplitude average of two readings; VL 515, p. 7	off south shore; felt-Naalehu
3/25/52	17:04:00	N-S (M-S)	5.0	4.35	4.0	3	signal:noise <1	4.70	>5.2			do	do	do	do	do
3/25/52	17:04:00	SP E-W (N-L)		4.35		3	record missing		>5.2			do	do	do	do	do
3/25/52	17:04:00	SP Vert (SPN)	3.0	4.35	3.0	3	signal:noise ~2	4.83	>5.2			do	do	do	do	do
3/25/52	17:04:00	E-W (M-S)	6.0	4.35	4.0	3	repeat; noise 0.5mm, 1.5s		>5.2			do	do	do	do	do
3/25/52	17:04:00	N-S (M-S)	6.0	4.35	4.0	3	repeat; noise 0.6mm, 1.5s		>5.2			do	do	do	do	do
3/25/52	17:04:00	SP E-W (N-L)		4.35		3	record missing		>5.2			do	do	do	do	do
3/25/52	17:04:00	SP Vert (SPN)	1.5	4.35	3.0	3	repeat; 1.5mm, 1.2s or 3mm, 4s; noise 0.7mm, 1.2s; event is at start of teleseism	4.53	>5.2			do	do	do	do	do
3/25/52	19:17:00	E-W (M-S)	16.0	4.35	6.0	3		5.20	>5.2			kl kuer sf os	strong	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/25/52	19:17:00	N-S (M-S)	15.5	4.35	7.0	3		5.19	>5.2			do	do	do	do	do
3/25/52	19:17:00	SP E-W (N-L)	15.0	4.35	5.0	3		5.18	>5.2			do	do	do	do	do
3/25/52	19:17:00	SP Vert (SPN)	7.0	4.35	2.5	2.5		5.20	>5.2			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/26/52	14:40:00	E-W (M-S)	0.8	4.35	1.5	1.5	no trace; threshold mag	4.47	4.7-5.2			kuer sf offshore	moderate		mag agreement ok if closer to shore	Naalehu
3/26/52	14:40:00	N-S (M-S)	0.8	4.35	1.5	1.5	no trace; threshold mag	4.47	4.7-5.2			kl kuer sf os	moderate	felt	Honolulu amplitude average of two readings; VL 515, p. 7	off south shore; felt-Naalehu
3/26/52	14:40:00	SP E-W (N-L)	2.0	4.35		3	signal:noise ~1	4.30	4.7-5.2			do	do	do	do	do
3/26/52	14:40:00	SP Vert (SPN)	0.4	4.35	1.0	1	no trace; threshold mag	3.95	4.7-5.2			do	do	do	do	do
3/26/52	14:40:00	E-W (M-S)		4.35			no repeat		4.7-5.2			do	do	do	do	do
3/26/52	14:40:00	N-S (M-S)		4.35			no repeat		4.7-5.2			do	do	do	do	do
3/26/52	14:40:00	SP E-W (N-L)	0.8	4.35		3	repeat; noise 0.5mm, 1s	3.90	4.7-5.2			do	do	do	do	do
3/26/52	14:40:00	SP Vert (SPN)	0.4	4.35	1.0	1	no trace; threshold mag	3.95	4.7-5.2			do	do	do	do	do
3/27/52	14:31:00	E-W (M-S)	4.0	4.35	4.0	3	signal:noise ~1.5	4.60	4.7-5.2			kl kuer sf os	moderate	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/27/52	14:31:00	N-S (M-S)	5.0	4.35	4.0	3	signal:noise ~1.5	4.70	4.7-5.2			do	do	do	do	do
3/27/52	14:31:00	SP E-W (N-L)	4.0	4.35	4.0	3	signal:noise ~2.5	4.60	4.7-5.2			do	do	do	do	do
3/27/52	14:31:00	SP Vert (SPN)	2.5	4.35	2.5	2.5	signal:noise ~1	4.75	4.7-5.2			do	do	do	do	do
3/28/52	08:44:00	E-W (M-S)	4.0	4.35	5.0	3	signal:noise ~2	4.60	4.7-5.2			kl kuer sf os	moderate	IV	VL 515, p. 7; HVO unpub; HTH, Mar. 28, 1952	off south shore; felt-Naalehu, Pahala; Pahala-shook house, rattled windows; IV, shook bed; Warshauer notes: The quake at 10:43 p.m. was reported by a Naalehu resident as "quite strong" and was felt rather longer than usual.
3/28/52	08:44:00	N-S (M-S)	6.0	4.35	4.0	3		4.78	4.7-5.2			do	do	do	do	do
3/28/52	08:44:00	SP E-W (N-L)	3.0	4.35	4.0	3		4.48	4.7-5.2			do	do	do	do	do
3/28/52	08:44:00	SP Vert (SPN)		4.35		3	no trace		4.7-5.2			do	do	do	do	do
3/28/52	21:57:00	E-W (M-S)	0.7	4.35	1.5	1.5	no trace; threshold mag	4.42	4.7-5.2			kl kuer sf os	moderate	felt	Honolulu amplitude average of two readings; VL 515, p. 7	off south shore; felt-Naalehu
3/28/52	21:57:00	N-S (M-S)	0.8	4.35	1.5	1.5	no trace; threshold mag	4.47	4.7-5.2			do	do	do	do	do
3/28/52	21:57:00	SP E-W (N-L)	3.0	4.35	3.0	3	signal:noise ~1.5	4.48	4.7-5.2			do	do	do	do	do
3/28/52	21:57:00	SP Vert (SPN)	1.5	4.35		3	signal:noise <1	4.53	4.7-5.2			do	do	do	do	do
3/28/52	21:57:00	E-W (M-S)		4.35			no repeat		4.7-5.2			do	do	do	do	do
3/28/52	21:57:00	N-S (M-S)		4.35			no repeat		4.7-5.2			do	do	do	do	do
3/28/52	21:57:00	SP E-W (N-L)	1.2	4.35	1.5	1.5	repeat	4.08	4.7-5.2			do	do	do	do	do
3/28/52	21:57:00	SP Vert (SPN)	1.2	4.35	1.0	1	repeat	4.43	4.7-5.2			do	do	do	do	do
3/29/52	12:42:00	E-W (M-S)	5.5	4.35	4.0	3		4.74	4.7-5.2			kl kuer sf os?	moderate	felt	VL 515, p. 7	off south shore; felt-Naalehu
3/29/52	12:42:00	N-S (M-S)	4.5	4.35	4.0	3		4.65	4.7-5.2			do	do	do	do	do
3/29/52	12:42:00	SP E-W (N-L)	6.0	4.35	4.0	3		4.78	4.7-5.2			do	do	do	do	do
3/29/52	12:42:00	SP Vert (SPN)		4.35		3	detected-signal:noise = .5		4.7-5.2			do	do	do	do	do
3/30/52	23:53:00	E-W (M-S)	7.5	4.35	4.0	3		4.87	>5.2			kl kuer sf os?	strong	IV	VL 515, p. 7; HTH, Mar. 31, 1952	off south shore; Warshauer notes: Quakes off south coast total 2995. The only heavy earthquake in the past 24 hours came at 1:53 p.m. Sunday.
3/30/52	23:53:00	N-S (M-S)	7.0	4.35	6.0	3		4.84	>5.2			do	do	do	do	do
3/30/52	23:53:00	SP E-W (N-L)	6.0	4.35	3.5	3		4.78	>5.2			do	do	do	do	do
3/30/52	23:53:00	SP Vert (SPN)	2.5	4.35	2.5	2.5		4.75	>5.2			do	do	do	do	do
3/31/52	02:03:00	E-W (M-S)	2.0	4.35		3	slight? on Bosch-Omori	4.30	4.2-4.7			kl sf os	not in VL		not in VL 515	off south shore
3/31/52	02:03:00	N-S (M-S)	2.5	4.35	5.0	3	signal:noise = 1.5	4.40	4.2-4.7			do	do	do	do	do
3/31/52	02:03:00	SP E-W (N-L)	2.0	4.35	3.0	3	signal:noise = 1	4.30	4.2-4.7			do	do	do	do	do
3/31/52	02:03:00	SP Vert (SPN)		4.35		3	no trace		4.2-4.7			do	do	do	do	do
4/1/52	08:00:00	E-W (M-S)	6.0	4.35	4.0	3		4.78	>5.2			kl kuer sf os	strong	felt	VL 515, p. 7	off south shore; felt-Naalehu

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/1/52	08:00:00	N-S (M-S)	6.0	4.35	3.0	3		4.78	>5.2			do	do	do	do	do
4/1/52	08:00:00	SP E-W (N-L)	6.5	4.35	3.0	3		4.81	>5.2			do	do	do	do	do
4/1/52	08:00:00	SP Vert (SPN)	2.5	4.35	2.5	2.5		4.75	>5.2			do	do	do	do	do
4/5/52	21:23:00	E-W (M-S)		4.3		3	no trace		4.2-4.8			kl mer	moderate		could be shallow; VL 516, p. 7	e rift near Makaopuhi crater
4/5/52	21:23:00	N-S (M-S)		4.3		3	no trace		4.2-4.8			do	do	do	do	do
4/5/52	21:23:00	SP E-W (N-L)		4.3		3	no trace		4.2-4.8			do	do	do	do	do
4/5/52	21:23:00	SP Vert (SPN)		4.3		3	no trace		4.2-4.8			do	do	do	do	do
4/6/52	00:16:00	E-W (M-S)	2.5	4.35	3.0	3	signal:noise = 2; film time is 23:16, 4/5; wrong by 1 hr in VL?	4.40	4.7-5.2			kl kuer sf os	moderate		closer to shore?; VL 516, p. 7	off south shore
4/6/52	00:16:00	N-S (M-S)	2.5	4.35	5.0	3	signal:noise = 2; film time is 23:16, 4/5; wrong by 1 hr in VL?	4.40	4.7-5.2			do	do	do	do	do
4/6/52	00:16:00	SP E-W (N-L)	2.5	4.35	3.0	3	signal:noise = 2; film time is 23:16, 4/5; wrong by 1 hr in VL?	4.40	4.7-5.2			do	do	do	do	do
4/6/52	00:16:00	SP Vert (SPN)		4.35		3	no trace		4.7-5.2			do	do	do	do	do
4/6/52	07:04:00	E-W (M-S)	4.5	4.3	3.0	3	film time is 06:03, 4/6; wrong by 1 hr in VL?	4.60	3.9-4.4			kl mer	moderate		could be deeper; VL 516, p. 7	e rift near Napau crater
4/6/52	07:04:00	N-S (M-S)	4.5	4.3	4.0	3	film time is 06:03, 4/6; wrong by 1 hr in VL?	4.60	3.9-4.4			do	do	do	do	do
4/6/52	07:04:00	SP E-W (N-L)	3.0	4.3	4.0	3	film time is 06:03, 4/6; wrong by 1 hr in VL?; signal/noise = 3	4.43	3.9-4.4			do	do	do	do	do
4/6/52	07:04:00	SP Vert (SPN)	2.0	4.3	2.0	2	film time is 06:03, 4/6; wrong by 1 hr in VL?; signal/noise = 1	4.60	3.9-4.4			do	do	do	do	do
4/7/52	00:57:00	E-W (M-S)	1.0	4.35	1.5	1.5	slight? on bosch-omori; no trace; threshold mag	4.57	4.2-4.7			kl kuer sf os	not in VL		Honolulu amplitude average of two readings; not in VL 516	off south shore
4/7/52	00:57:00	N-S (M-S)	3.0	4.35	3.0	3	slight? on bosch-omori	4.48	4.2-4.7			do	do	do	do	do
4/7/52	00:57:00	SP E-W (N-L)	1.5	4.35	4.0	3	slight? on bosch-omori	4.18	4.2-4.7			do	do	do	do	do
4/7/52	00:57:00	SP Vert (SPN)	0.5	4.35	1.0	1	slight? on bosch-omori; no trace; threshold mag	4.05	4.2-4.7			do	do	do	do	do
4/7/52	00:57:00	E-W (M-S)		4.35			no repeat		4.2-4.7			do	do	do	do	do
4/7/52	00:57:00	N-S (M-S)	2.5	4.35	5.0	3	repeat; noise 0.6mm, 1.5s	4.40	4.2-4.7			do	do	do	do	do
4/7/52	00:57:00	SP E-W (N-L)	1.7	4.35	1.5	1.5	repeat; noise 1.0mm, 1.5s	4.23	4.2-4.7			do	do	do	do	do
4/7/52	00:57:00	SP Vert (SPN)		4.35			no repeat		4.2-4.7			do	do	do	do	do
4/7/52	01:10:00	E-W (M-S)	3.0	4.35	4.0	3		4.48	4.7-5.2			kl kuer sf os	moderate		VL 516, p. 7	off south shore
4/7/52	01:10:00	N-S (M-S)	2.5	4.35	5.0	3		4.40	4.7-5.2			do	do	do	do	do
4/7/52	01:10:00	SP E-W (N-L)	2.5	4.35	4.0	3		4.40	4.7-5.2			do	do	do	do	do
4/7/52	01:10:00	SP Vert (SPN)	2.0	4.35	2.5	2.5	signal:noise ~2	4.65	4.7-5.2			do	do	do	do	do
4/7/52	01:36:00	E-W (M-S)	2.5	4.35	4.0	3	slight? on bosch-omori; signal:noise = 1.5	4.40	4.2-4.7			kl kuer sf os?	not in VL	III	not in VL 516; HVO unpub	off south shore; Kealakekua (Greenwell diary-3:30 PM)-IV, very good shake
4/7/52	01:36:00	N-S (M-S)	2.5	4.35	3.0	3	slight? on bosch-omori	4.40	4.2-4.7			do	do	do	do	do
4/7/52	01:36:00	SP E-W (N-L)	2.0	4.35	4.0	3	slight? on bosch-omori	4.30	4.2-4.7			do	do	do	do	do
4/7/52	01:36:00	SP Vert (SPN)		4.35		3	slight? on bosch-omori; detected; signal:noise = .5		4.2-4.7			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/7/52	7:20:00	E-W (M-S)	22.0	3.00	1.5	1.5		4.56				oahu?		IV (Cox; S&C); V (USE)	Cox, 1986; not recorded at Whitney vault; VL 516, p. 7; HTH, Apr. 7, 1952	offshore bet Molokai and lanai; felt widely on Oahu, houses creaked, windows rattled, fixtures rocked; short quake centered on Oahu or offshore was felt widely in Honolulu, also felt lightly on Maui and Kauai. Rated as intensity IV and not damaging.
4/7/52	7:20:00	N-S (M-S)	22.0	3.00	2.0	2	film time 7:10; misprint in Cox?; s-p 12s (distance = 100 km)	4.33				do	do	do	do	do
4/7/52	7:20:00	SP E-W (N-L)		3.00			offscale-no reading taken; film time 7:10; misprint in Cox?; s-p 12s (distance = 100 km)					do	do	do	do	do
4/7/52	7:20:00	SP Vert (SPN)		3.00			offscale-no reading taken; film time 7:10; misprint in Cox?					do	do	do	do	do
4/7/52	08:58:00	E-W (M-S)		4.2		3	no trace		>3.4			kl cal 0-5	strong	IV	VL 516, p. 7; HTH, Apr. 7, 1952	Kilauea crater; felt generally-volcano; Warshauer notes: A series of earthquakes under the east rift and caldera began last Friday [Apr. 4] and are continuing today. One strong one was registered at 10:58 p.m. Sunday, rattling windows at the Volcano House
4/7/52	08:58:00	N-S (M-S)		4.2		3	no trace		>3.4			do	do	do	do	do
4/7/52	08:58:00	SP E-W (N-L)		4.2		3	no trace		>3.4			do	do	do	do	do
4/7/52	08:58:00	SP Vert (SPN)		4.2		3	no trace		>3.4			do	do	do	do	do
4/7/52	16:05:00	E-W (M-S)		4.25		3	no trace		3.5-4.1			kl uer	moderate		VL 516, p. 7	e rift near Puu Huluhulu
4/7/52	16:05:00	N-S (M-S)		4.25		3	no trace		3.5-4.1			do	do	do	do	do
4/7/52	16:05:00	SP E-W (N-L)		4.25		3	no trace		3.5-4.1			do	do	do	do	do
4/7/52	16:05:00	SP Vert (SPN)		4.25		3	no trace		3.5-4.1			do	do	do	do	do
4/7/52	22:53:00	E-W (M-S)	5.0	4.3	4.0	3		4.65	>4.7			kl mer sf?	strong	III	VL 516, p. 7; HTH, Apr. 8, 1952	e rift near Makaopuhi crater; felt-Naalehu to volcano; Warshauer notes: A quake at 12:54 p.m. was lightly felt in the national park area.
4/7/52	22:53:00	N-S (M-S)	5.5	4.3	4.0	3		4.69	>4.7			do	do	do	do	do
4/7/52	22:53:00	SP E-W (N-L)	12.5	4.3	4.0	3		4.90	>4.7			do	do	do	do	do
4/7/52	22:53:00	SP Vert (SPN)	3.0	4.3	2.0	2		4.63	>4.7			do	do	do	do	do
4/7/52	23:00:00	E-W (M-S)	3.0	4.35	4.0	3	detected; signal:noise ~1; film time 23:02	4.48	4.7-5.2			kl kuer sf os	moderate		Honolulu amplitude average of two readings; VL 516, p. 7	off south shore
4/7/52	23:00:00	N-S (M-S)	3.0	4.35	4.0	3	detected; signal:noise ~1; film time 23:02	4.48	4.7-5.2			do	do	do	do	do
4/7/52	23:00:00	SP E-W (N-L)	2.5	4.35	3.0	3	signal:noise =2	4.40	4.7-5.2			do	do	do	do	do
4/7/52	23:00:00	SP Vert (SPN)	0.7	4.35	1.0	1	no trace; threshold mag	4.20	4.7-5.2			do	do	do	do	do
4/7/52	23:00:00	E-W (M-S)	3.0	4.35	4.0	3	repeat	4.48	4.7-5.2			do	do	do	do	do
4/7/52	23:00:00	N-S (M-S)	0.6	4.35	2.0	2	repeat; noise 0.5mm, 2s	4.11	4.7-5.2			do	do	do	do	do
4/7/52	23:00:00	SP E-W (N-L)	2.5	4.35	3.0	3	repeat	4.40	4.7-5.2			do	do	do	do	do
4/7/52	23:00:00	SP Vert (SPN)		4.35			no repeat		4.7-5.2			do	do	do	do	do
4/8/52	09:55:00	E-W (M-S)		4.25		3	no trace		3.9-4.4			kl uer	moderate		VL 516, p. 7	e rift near Alae crater

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/8/52	09:55:00	N-S (M-S)		4.25		3	no trace		3.9-4.4			do	do	do	do	do
4/8/52	09:55:00	SP E-W (N-L)		4.25		3	no trace		3.9-4.4			do	do	do	do	do
4/8/52	09:55:00	SP Vert (SPN)		4.25		3	no trace		3.9-4.4			do	do	do	do	do
4/11/52	02:56:00	E-W (M-S)	2.0	4.25	5.0	3	signal:noise = 2	4.20	4.1-4.6			kl kuer sf	moderate	felt	VL 516, p. 7	Hilina fault at Poliokeawe pali 3.5 mi N45W of Kaena pt; felt-Naalehu
4/11/52	02:56:00	N-S (M-S)	2.0	4.25	5.0	3	signal:noise = 1.5	4.20	4.1-4.6			do	do	do	do	do
4/11/52	02:56:00	SP E-W (N-L)	2.0	4.25	4.0	3	signal:noise = 2	4.20	4.1-4.6			do	do	do	do	do
4/11/52	02:56:00	SP Vert (SPN)		4.25		3	no trace		4.1-4.6			do	do	do	do	do
4/11/52	8:52:00	E-W (M-S)	1.0	4.15		1.5	threshold magnitude	4.37				ml swr deep?	slight (m-ml)	IV	9200 ft SW rift, 35 km from ml seismometer; ml mag 4.4-4.9; VL 516, p. 7; HTH, Apr. 11, 1952; HVO, unpub	felt strongly--volcano, moderate at Hilo, slight at Paauhau and Kukuihaele; Warshauer notes: sharp quake, acc by roar, jolted Hilo, rattling windows and dishes; no damage; "quite strong", Kapapala and; additional felt reports in HVO, unpub
4/11/52	8:52:00	N-S (M-S)	1.2	4.15		1.5	threshold magnitude	4.45				do	do	do	do	do
4/11/52	8:52:00	SP E-W (N-L)	3.0	4.15		1		4.05				do	do	do	do	do
4/11/52	8:52:00	SP Vert (SPN)	0.8	4.15		0.5	detected	3.82				do	do	do	do	do
4/12/52	15:53:00	E-W (M-S)	5.0	4.2	4.0	3		4.55	>4.7			kl cal 10-20	strong	felt	moderate? or shallower?; VL 516, p. 7	e rift 1 mi NW of Heake; felt-Naalehu, Kapapala
4/12/52	15:53:00	N-S (M-S)	5.5	4.2	4.0	3		4.59	>4.7			do	do	do	do	do
4/12/52	15:53:00	SP E-W (N-L)	5.0	4.2	4.0	3		4.40	>4.7			do	do	do	do	do
4/12/52	15:53:00	SP Vert (SPN)	3.0	4.2	2.5	2.5		4.53	>4.7			do	do	do	do	do
4/12/52	16:22:00	E-W (M-S)	2.5	4.35	4.0	3	signal:noise = 1.5	4.40	4.7-5.2			kl kuer sf os	moderate		VL 516, p. 7	off south shore
4/12/52	16:22:00	N-S (M-S)	2.5	4.35	4.0	3		4.40	4.7-5.2			do	do	do	do	do
4/12/52	16:22:00	SP E-W (N-L)	2.5	4.35	4.0	3		4.40	4.7-5.2			do	do	do	do	do
4/12/52	16:22:00	SP Vert (SPN)		4.35		3	detected-signal:noise = 3		4.7-5.2			do	do	do	do	do
4/16/52	17:08:00	E-W (M-S)	3.0	4.35	5.0	3	signal:noise = 1.5	4.48	4.7-5.2			kl kuer sf os	moderate		VL 516, p. 7	off south shore
4/16/52	17:08:00	N-S (M-S)	2.5	4.35	4.0	3	signal:noise = 1	4.40	4.7-5.2			do	do	do	do	do
4/16/52	17:08:00	SP E-W (N-L)	2.5	4.35	4.0	3	signal:noise = 3	4.40	4.7-5.2			do	do	do	do	do
4/16/52	17:08:00	SP Vert (SPN)	1.5	4.35	2.5	2.5	signal:noise = 1.5	4.53	4.7-5.2			do	do	do	do	do
4/22/52	03:45:00	E-W (M-S)	4.5	4.35	5.0	3	signal:noise = 2	4.65	4.7-5.2			kl kuer sf os	moderate		VL 516, p. 7	off south shore 16 mi S10W of Apua pt
4/22/52	03:45:00	N-S (M-S)	3.5	4.35	4.0	3	signal:noise = 1.5	4.54	4.7-5.2			do	do	do	do	do
4/22/52	03:45:00	SP E-W (N-L)	3.5	4.35	4.0	3		4.54	4.7-5.2			do	do	do	do	do
4/22/52	03:45:00	SP Vert (SPN)		4.35		3	detected; signal/noise <1		4.7-5.2			do	do	do	do	do
5/4/52	04:16:00	E-W (M-S)	3.0	4.3	4.0	3	signal:noise = 1.5	4.43	4.4-4.9			kl swr sf os	moderate		VL 516, p. 7	off south shore
5/4/52	04:16:00	N-S (M-S)	3.0	4.3	4.0	3	signal:noise = 1.5	4.43	4.4-4.9			do	do	do	do	do
5/4/52	04:16:00	SP E-W (N-L)	4.0	4.3	3.0	3		4.55	4.4-4.9			do	do	do	do	do
5/4/52	04:16:00	SP Vert (SPN)		4.3		3	no trace		4.4-4.9			do	do	do	do	do
5/11/52	05:14:00	E-W (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	>4.25			kl cal 05-10	strong	felt	VL 516, p. 7	Kilauea crater; felt?
5/11/52	05:14:00	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	>4.25			do	do	do	do	do
5/11/52	05:14:00	SP E-W (N-L)	0.7	4.2	1.0	1	no trace; threshold mag	3.70	>4.25			do	do	do	do	do
5/11/52	05:14:00	SP Vert (SPN)	0.6	4.2	1.0	1	no trace; threshold mag	3.98	>4.25			do	do	do	do	do
5/14/52	8:50:00	E-W (M-S)	0.5	4.20	1.5	1.5	no trace; threshold mag	4.12				kaoiki	slight		Honolulu data average of two readings; VL 516, p. 7	se slope Mauna Loa
5/14/52	8:50:00	N-S (M-S)	0.5	4.20	1.5	1.5	no trace; threshold mag	4.12				do	do	do	do	do
5/14/52	8:50:00	SP E-W (N-L)	1.5	4.20	2.0	2		3.64				do	do	do	do	do
5/14/52	8:50:00	SP Vert (SPN)	1.0	4.20	2.0	2		3.81				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/14/52	8:50:00	E-W (M-S)		4.20			no repeat					do	do	do	do	do
5/14/52	8:50:00	N-S (M-S)		4.20			no repeat					do	do	do	do	do
5/14/52	8:50:00	SP E-W (N-L)	1.0	4.20	2.0	2	repeat; noise 0.8mm, 1s	3.46				do	do	do	do	do
5/14/52	8:50:00	SP Vert (SPN)	0.8	4.20	2.0	2	repeat; noise 0.6mm, 1s	3.71				do	do	do	do	do
5/19/52	11:16:00	E-W (M-S)	0.5	4.35	1.5	1.5	no trace; threshold mag	4.27	4.2-4.7			kl kuer sf os	slight		VL 516, p. 7	off south shore
5/19/52	11:16:00	N-S (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			do	do	do	do	do
5/19/52	11:16:00	SP E-W (N-L)	0.6	4.35	1.0	1	no trace; threshold mag	3.78	4.2-4.7			do	do	do	do	do
5/19/52	11:16:00	SP Vert (SPN)	0.9	4.35	1.0	1	no trace; threshold mag	4.30	4.2-4.7			do	do	do	do	do
5/19/52	14:08:00	E-W (M-S)	2.2	4.20	3.0	3	noise-0.9mm, 1.5s	4.19				kaoiki	slight		VL 516, p. 7	se slope Mauna Loa
5/19/52	14:08:00	N-S (M-S)	0.8	4.20	1.5	1.5	noise-0.8mm, 1.5s	4.32				do	do	do	do	do
5/19/52	14:08:00	SP E-W (N-L)	0.6	4.20	1.5	1.5	no trace; threshold mag	3.24				do	do	do	do	do
5/19/52	14:08:00	SP Vert (SPN)	0.8	4.20	1.0	1	no trace; threshold mag	3.71				do	do	do	do	do
5/22/52	3:13:00	E-W (M-S)	3.0	4.20	3.0	3		4.33				kaoiki	moderate	II	VL 516, p. 7; HVO, unpub	se slope Mauna Loa; Kapapala ranch-II
5/22/52	3:13:00	N-S (M-S)	2.5	4.20	4.0	3		4.25				do	do	do	do	do
5/22/52	3:13:00	SP E-W (N-L)	3.0	4.20	2.0	2		3.94				do	do	do	do	do
5/22/52	3:13:00	SP Vert (SPN)	2.0	4.20	1.5	1.5						do	do	do	do	do
5/23/52	22:13:00	E-W (M-S)	61.0	4.05		3		5.48		6.0		kona	strong	VI; VI (S&C)	isoseismal map in W&K; Kealakekua fault 3. 5 mi w of Napoopoo; VL 516, p. 8 [damage report on p. 6]; HTH, May 2VL 4, 1952; additional felt reports in HVO, unpub	felt-all Hawaii island, some on Maui; Warshauer notes: "strong" quake felt Kona to Hilo, dur 23 min at HVO; landslides, road damage, water tank breakings and merchandise swept off shelves in Kona; preferred mag calculated as average of M-S (2) and Pas (1)
5/23/52	22:13:00	E-W (M-S)	52.0	4.05	3.0	3		5.41				do	do	do	do	do
5/23/52	22:13:00	N-S (M-S)	56.0	4.05	4.0	3		5.45		6.0		do	do	do	do	do
5/23/52	22:13:00	N-S (M-S)	55.0	4.05	2.0	2		5.77				do	do	do	do	do
5/23/52	22:13:00	SP E-W (N-L)	62.0	4.05	1.5	1.5		5.23				do	do	do	do	do
5/23/52	22:13:00	SP Vert (SPN)	50.0	4.05	1.0	1		5.14				do	do	do	do	do
5/23/52	22:13:00	SP Vert (SPN)	50.0	4.05	1.0	1		5.49		6.0		do	do	do	do	do
6/1/52	11:05:00	E-W (M-S)		4.2		3	not recording		3.4-3.9			kl gln	moderate		VL 516, p. 8	4 mi NNE of Whitney laboratory
6/1/52	11:05:00	N-S (M-S)		4.2		3	no trace		3.4-3.9			do	do	do	do	do
6/1/52	11:05:00	SP E-W (N-L)		4.2		3	no trace		3.4-3.9			do	do	do	do	do
6/1/52	11:05:00	SP Vert (SPN)		4.2		3	no trace		3.4-3.9			do	do	do	do	do
6/11/52	2:25:00	E-W (M-S)		4.10		3	no trace					ml mok	slight	felt	VL 516, p. 8	Mauna Loa summit; felt-Kapapala
6/11/52	2:25:00	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
6/11/52	2:25:00	SP E-W (N-L)	1.2	4.10	2.0	2	detected	3.60				do	do	do	do	do
6/11/52	2:25:00	SP Vert (SPN)		4.10		3	no trace					do	do	do	do	do
6/11/52	18:01:00	E-W (M-S)	0.5	4.35	1.5	1.5	no trace; threshold mag	4.27	4.2-4.7			kl kuer sf os	slight		VL 516, p. 8	off south shore
6/11/52	18:01:00	N-S (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			do	do	do	do	do
6/11/52	18:01:00	SP E-W (N-L)	0.5	4.35	1.5	1.5	no trace; threshold mag	3.70	4.2-4.7			do	do	do	do	do
6/11/52	18:01:00	SP Vert (SPN)	0.5	4.35	1.0	1	no trace; threshold mag	4.05	4.2-4.7			do	do	do	do	do
6/18/52	15:17:00	E-W (M-S)	1.8	4.35	2.5	2.5	noise 0.5mm, 1.5s	4.40	4.2-4.7			kl kuer sf os	slight		VL 516, p. 8	off south shore
6/18/52	15:17:00	N-S (M-S)	1.1	4.35	2.0	2	noise 0.5mm, 1.5s	4.37	4.2-4.7			do	do	do	do	do
6/18/52	15:17:00	SP E-W (N-L)	1.6	4.35	2.0	2		4.20	4.2-4.7			do	do	do	do	do
6/18/52	15:17:00	SP Vert (SPN)	1.0	4.35	1.5	3	noise 0.8mm, 1s	4.35	4.2-4.7			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/20/52	02:03:00	E-W (M-S)	12.0	4.2	6.0	3	film time: 2h 4m 14.5s	4.93	>4.9			kl cal deep?	strong		Honolulu amplitude average of two readings; "shallow" designation in VL 516 unlikely; Honolulu records consistent with deep origin; Honolulu amplitude average of two readings; VL 516, p. 8	SW rift 0.5 mi NE of Mauna Iki, shallow
6/20/52	02:03:00	N-S (M-S)	8.8	4.2	5.0	3	film time: 2h 4m 14.5s	4.79	>4.9			do	do	do	do	do
6/20/52	02:03:00	SP E-W (N-L)	12.0	4.2	4.0	3	film time: 2h 4m 14.5s	4.78	>4.9			do	do	do	do	do
6/20/52	02:03:00	SP Vert (SPN)	6.5	4.2		3	film time: 2h 4m 14.5s	4.86	>4.9			do	do	do	do	do
6/20/52	02:03:00	E-W (M-S)	14.0	4.2	5.0	3	repeat	4.99	>4.9			do	do	do	do	do
6/20/52	02:03:00	N-S (M-S)	10.5	4.2	4.0	3	repeat	4.87	>4.9			do	do	do	do	do
6/20/52	02:03:00	SP E-W (N-L)	12.5	4.2	4.0	3	repeat	4.80	>4.9			do	do	do	do	do
6/20/52	02:03:00	SP Vert (SPN)	6.5	4.2	3.0	3	repeat	4.86	>4.9			do	do	do	do	do
6/20/52	02:27:00	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	4.0-4.6			kl swr	moderate		VL 516, p. 8	SW rift near Kamakaia hills
6/20/52	02:27:00	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	4.0-4.6			do	do	do	do	do
6/20/52	02:27:00	SP E-W (N-L)	0.8	4.2	1.5	1.5	no trace; threshold mag	3.75	4.0-4.6			do	do	do	do	do
6/20/52	02:27:00	SP Vert (SPN)	0.8	4.2	1.0	1	no trace; threshold mag	4.10	4.0-4.6			do	do	do	do	do
7/7/52	8:56:00	E-W (M-S)	0.7	4.10	2.0	1.5	detected; 1.5s period assumed	4.17				mauna kea?	f-felt	IV	VL 517, p. 6; HTH, Jul. 7, 1952; HVO, unpub	do; assume epicenter between Kukuihaele and Hilo; Warshauer notes: 2 quakes were recorded last night, one at 10:56 p.m. and the other at 4:42 a.m. Both were felt in Hilo; Kukuihaele-V, rumbling noise followed by quake, buildings shook, objects rattled
7/7/52	8:56:00	N-S (M-S)	0.7	4.10	2.0	1.5	detected; 1.5s period assumed-signal/noise 0.5	4.17				do	do	do	do	do
7/7/52	8:56:00	SP E-W (N-L)	3.0	4.10	1.0	1		4.00				do	do	do	do	do
7/7/52	8:56:00	SP Vert (SPN)	1.0	4.10	1.5	1.5		3.87				do	do	do	do	do
7/7/52	14:43:00	E-W (M-S)	2.5	4.20	5.0	3		4.25				mauna kea?	slight	V	VL 517, p. 6; HTH, Jul. 7, 1952; HVO, unpub	felt-Kukuihaele, Hilo; assume epicenter bet Kukuihaele and Hilo; Warshauer notes: see above; Kukuihaele-V, buildings shook, awakened persons
7/7/52	14:43:00	N-S (M-S)	4.0	4.20	5.0	3		4.45				do	do	do	do	do
7/7/52	14:43:00	SP E-W (N-L)	10.0	4.20	1.0	1		4.62				do	do	do	do	do
7/7/52	14:43:00	SP Vert (SPN)	4.0	4.20	1.5	1.5		4.57				do	do	do	do	do
7/9/52	16:54:00	E-W (M-S)		4.2		3	no trace		2.5-2.9			kl kuer sf?	slight	III	VL 517, p. 6; HTH, Jul. 9, 1952	felt-volcano; Warshauer notes: Three sharp earthquakes jolted this end of the island this morning, the first coming at 6:54; felt east side of island?
7/9/52	16:54:00	N-S (M-S)		4.2		3	no trace		2.5-2.9			do	do	do	do	do
7/9/52	16:54:00	SP E-W (N-L)		4.2		3	no trace		2.5-2.9			do	do	do	do	do
7/9/52	16:54:00	SP Vert (SPN)		4.2		3	no trace		2.5-2.9			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
7/9/52	18:10:00	E-W (M-S)		4.3		3	missing-record being changed		3.6-4.1			kl kuer sf?	slight	felt	VL 517, p. 6; HTH, Jul. 9, 1952	twin earthquake; Hilina fault?; felt-Hilo, volcano, Naalehu; Warshauer notes: two other quakes within seconds of each other at 8:10; felt from Naalehu through the volcano area to Hilo.
7/9/52	18:10:00	N-S (M-S)		4.3		3	missing-record being changed		3.6-4.1			do	do	do	do	do
7/9/52	18:10:00	SP E-W (N-L)	1.0	4.3	1.0	1		3.95	3.6-4.1			do	do	do	do	do
7/9/52	18:10:00	SP Vert (SPN)		4.3		3	no trace		3.6-4.1			do	do	do	do	do
7/12/52	23:38:00	E-W (M-S)	0.5	4.05	1.5	1.5	noise 0.5mm, 1.5s; Honolulu time 23:38; VL time of 23:53 in error?	3.97				kona	mod (st-kona)	V	Honolulu data average of two readings; VL 517 time 13:53; Honolulu records record event at 13:38; our calculated mags are 4.9 (Whitney); 4. 5 (Kona); VL 517, p. 6; HVO, unpub	central Kona; assume 15 km from Kona; felt-Kona to Hilo; preferred magnitude calculated as average of Honolulu and nomogram; Kealakekua V, strong all over Kona, strong and hard, not long, came from south, sounded like a blast
7/12/52	23:38:00	N-S (M-S)	0.6	4.05	1.5	1.5	noise 0.5mm, 1.5s	4.05				do	do	do	do	do
7/12/52	23:38:00	SP E-W (N-L)	8.0	4.05	1.0	1		4.34				do	do	do	do	do
7/12/52	23:38:00	SP Vert (SPN)	1.2	4.05	1.5	1.5		3.87				do	do	do	do	do
7/12/52	23:38:00	E-W (M-S)		4.05			no repeat					do	do	do	do	do
7/12/52	23:38:00	N-S (M-S)		4.05			no repeat					do	do	do	do	do
7/12/52	23:38:00	SP E-W (N-L)	9.0	4.05	1.0	1	repeat	4.39				do	do	do	do	do
7/12/52	23:38:00	SP Vert (SPN)	1.2	4.05	1.5	1.5	repeat	3.87				do	do	do	do	do
8/15/52	00:08:00	E-W (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			kl kuer sf os	slight	felt	Honolulu amplitude average of two readings; N-L high; VL 517, p. 6	off south shore; felt-volcano, Kapapala, Naalehu
8/15/52	00:08:00	N-S (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			do	do	do	do	do
8/15/52	00:08:00	SP E-W (N-L)	8.0	4.35	1.0	1	film time is 0:07	4.90	4.2-4.7			do	do	do	do	do
8/15/52	00:08:00	SP Vert (SPN)	0.8	4.35	1	1	no trace; threshold mag	4.25	4.2-4.7			do	do	do	do	do
8/15/52	00:08:00	E-W (M-S)		4.35			no repeat		4.2-4.7			do	do	do	do	do
8/15/52	00:08:00	N-S (M-S)		4.35			no repeat		4.2-4.7			do	do	do	do	do
8/15/52	00:08:00	SP E-W (N-L)	7.0	4.35	1.0	1	repeat	4.85	4.2-4.7			do	do	do	do	do
8/15/52	00:08:00	SP Vert (SPN)		4.35			no repeat		4.2-4.7			do	do	do	do	do
8/17/52	07:07:00	E-W (M-S)	2.0	4.35	4.0	3		4.30	4.7-5.2			kl kuer sf os	moderate		VL 517, p. 6	off south shore
8/17/52	07:07:00	N-S (M-S)	2.0	4.35	5.0	3		4.30	4.7-5.2			do	do	do	do	do
8/17/52	07:07:00	SP E-W (N-L)	2.5	4.35	2.0	2		4.40	4.7-5.2			do	do	do	do	do
8/17/52	07:07:00	SP Vert (SPN)	1.0	4.35	3.5	3	signal:noise = 3	4.35	4.7-5.2			do	do	do	do	do
9/2/52	14:45:00	E-W (M-S)	0.4	4.2		1.5	no trace; threshold mag	4.02	3.9-4.4			kl cal deep?	f!	IV	N-L high; VL 517, p. 7; HVO unpub	Kilauea crater; felt-Glenwood, volcano, Naalehu, Hilo; Capt. Cook-III, slight rattle of windows; preferred magnitude calculated as average of Honolulu and nomogram
9/2/52	14:45:00	N-S (M-S)	0.6	4.2		1.5	no trace; threshold mag	4.20	3.9-4.4			do	do	do	do	do
9/2/52	14:45:00	SP E-W (N-L)	6.0	4.2	1.0	1		4.63	3.9-4.4			do	do	do	do	do
9/2/52	14:45:00	SP Vert (SPN)	0.4	4.2		3	no trace; threshold mag	3.80	3.9-4.4			do	do	do	do	do
10/3/52	22:12:00	E-W (M-S)		4.15		3	assume no trace					hilea?	feeble (sl-ml)	felt	ml mag 3.6-4.1; VL 518, p. 12	felt-, Kapapala; assume 30 km from ml
10/3/52	22:12:00	N-S (M-S)		4.15		3	assume no trace					do	do	do	do	do
10/3/52	22:12:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
10/3/52	22:12:00	SP Vert (SPN)		4.15		3	no trace					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
11/13/52	22:28:00	E-W (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			kl kuer sf os	slight		VL 518, p. 12	off south coast
11/13/52	22:28:00	N-S (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			do	do	do	do	do
11/13/52	22:28:00	SP E-W (N-L)	0.9	4.35	1.5	1.5	noise 0.8mm, 1.5s	3.95	4.2-4.7			do	do	do	do	do
11/13/52	22:28:00	SP Vert (SPN)	1.0	4.35	1.0	1	no trace; threshold mag	4.35	4.2-4.7			do	do	do	do	do
11/16/52	12:41:00	E-W (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	4.2-4.7			kl kuer sf os	slight		VL 518, p. 12	off south coast
11/16/52	12:41:00	N-S (M-S)	0.5	4.35	1.5	1.5	noise 0.4mm, 1.5s	4.27	4.2-4.7			do	do	do	do	do
11/16/52	12:41:00	SP E-W (N-L)	0.7	4.35	1.0	1	no trace; threshold mag	3.85	4.2-4.7			do	do	do	do	do
11/16/52	12:41:00	SP Vert (SPN)	0.8	4.35	1.0	1	no trace; threshold mag	4.25	4.2-4.7			do	do	do	do	do
11/22/52	11:08:00	E-W (M-S)		4.25		3	no trace		3.7-4.2			kl cal deep	slight	II	VL 518, p. 12; HVO unpub	e rift near Alae crater; Capt. Cook-I, not felt, very light tremor while reading in bed
11/22/52	11:08:00	N-S (M-S)		4.25		3	no trace		3.7-4.2			do	do	do	do	do
11/22/52	11:08:00	SP E-W (N-L)		4.25		3	no trace		3.7-4.2			do	do	do	do	do
11/22/52	11:08:00	SP Vert (SPN)		4.25		3	no trace		3.7-4.2			do	do	do	do	do
11/28/52	8:14:00	E-W (M-S)		4.10		3	assume no trace					ml mok	slight	III	VL 518, p. 12; HVO, unpub	felt-Kona; Capt. Cook-II, rumble preceded quake, appeared to come from mauka, longish tremor as though a wave passed through the house, soft noise acc quake, dog disturbed and anxious before and during quake
11/28/52	8:14:00	N-S (M-S)		4.10		3	assume no trace					do	do	do	do	do
11/28/52	8:14:00	SP E-W (N-L)		4.10		3	no trace					do	do	do	do	do
11/28/52	8:14:00	SP Vert (SPN)		4.10		3	no trace					do	do	do	do	do
12/28/52	11:22:00	E-W (M-S)		3.95			no trace					hualalai	vf (m-kona)	V	Kona mag 4.2-4.7; must be closer to Kona; VL 518, p. 12; HVO, unpub	Hualalai summit; felt-Kona; Capt. Cook-III, all occupants awakened, inc. dogs, sharp shaking w roaring noise, strongest in Capt. Cook, Kealakekua and Keei mauka, felt as if it would get stronger, then suddenly quit
12/28/52	11:22:00	N-S (M-S)		3.95			no trace					do	do	do	do	do
12/28/52	11:22:00	SP E-W (N-L)		3.95			no trace					do	do	do	do	do
12/28/52	11:22:00	SP Vert (SPN)		3.95			no trace					do	do	do	do	do
1/3/53	21:31:00	E-W (M-S)	1.0	4.05	1.5	1.5	no trace; threshold mag	4.27				kona	feeble (st-kona)	III	Kona mag >4.3 closer?; Honolulu data average of two readings; N-L low?; central Kona on Kealakekua fault near Keei; VL 519, p. 5; HVO, unpub	felt strongly-Kona; additional felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu and nomogram (Whitney distance)
1/3/53	21:31:00	N-S (M-S)	1.0	4.05	1.5	1.5	no trace; threshold mag	4.27				do	do	do	do	do
1/3/53	21:31:00	SP E-W (N-L)	0.8	4.05	1.0	1		3.34				do	do	do	do	do
1/3/53	21:31:00	SP Vert (SPN)	0.5	4.05	1.0	1	no trace; threshold mag	3.49				do	do	do	do	do
1/3/53	21:31:00	E-W (M-S)		4.05			no repeat					do	do	do	do	do
1/3/53	21:31:00	N-S (M-S)		4.05			no repeat					do	do	do	do	do
1/3/53	21:31:00	SP E-W (N-L)	0.8	4.05	1.0	1	repeat	3.34				do	do	do	do	do
1/3/53	21:31:00	SP Vert (SPN)		4.05			no repeat					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
1/10/53	7:10:00	E-W (M-S)	1.0	4.15	1.0	1.5	no trace; threshold mag	4.37				kaoiki	strong	V (USE); IV	Honolulu data average of two readings; depth 23 km; moderate?, shallower?; VL 519, p. 6; HTH, Feb. 8, 1953; additional felt reports in HVO, unpub	felt strongly-Kahuku,; moderately at Kapapala, volcano, Hilo, Kona; slightly Kukuihaele; Warshauer notes: strongly felt s part of Big island, less at Kukuihaele; preferred magnitude calculated as average of Honolulu and nomogram
1/10/53	7:10:00	N-S (M-S)	1.0	4.15	1.5	1.5	no trace; threshold mag	4.37				do	do	do	do	do
1/10/53	7:10:00	SP E-W (N-L)	3.0	4.15	1.0	1		4.05				do	do	do	do	do
1/10/53	7:10:00	SP Vert (SPN)	1.0	4.15	1.0	1		3.92				do	do	do	do	do
1/10/53	7:10:00	E-W (M-S)		4.15			no repeat					do	do	do	do	do
1/10/53	7:10:00	N-S (M-S)		4.15			no repeat					do	do	do	do	do
1/10/53	7:10:00	SP E-W (N-L)	2.5	4.15	1.0	1	repeat	3.97				do	do	do	do	do
1/10/53	7:10:00	SP Vert (SPN)	0.6	4.15	1.0	1	repeat; noise 0.4mm	3.70				do	do	do	do	do
1/13/53	14:13:00	E-W (M-S)		4.30		3	assume no trace					hilea os	slight		closer?; VL 519, p. 6	4 mi S45E from Naalehu
1/13/53	14:13:00	N-S (M-S)		4.30		3	assume no trace					do	do	do	do	do
1/13/53	14:13:00	SP E-W (N-L)		4.30		3	no trace					do	do	do	do	do
1/13/53	14:13:00	SP Vert (SPN)		4.30		3	no trace					do	do	do	do	do
1/15/53	12:05:00	E-W (M-S)	47.0	4.20	7.0	3		5.52		5.2		kaoiki deep	strong	VI; V (S&C)	VL 519, p. 6; HTH, Feb. 8, 1953; extensive felt reports in HVO, unpub; preferred mag calculated as average of M-S (2) and Berkeley (1)	felt strongly-s Hawaii island Hilo to Kona; slightly on Oahu; Warshauer notes: strong earthquake near Kapapala ranch headquarters. Objects upset and knocked from shelves as far away as Hilo; residents of south Hawaii wakened; also felt on Oahu
1/15/53	12:05:00	N-S (M-S)	59.0	4.20	6.0	3		5.62		5.2		do	do	do	do	do
1/15/53	12:05:00	SP E-W (N-L)		4.20		3	large signal on faint trace			5.2		do	do	do	do	do
1/15/53	12:05:00	SP Vert (SPN)		4.20		3	large signal on faint trace			5.2		do	do	do	do	do
2/22/53	12:40:00	E-W (M-S)		4.20		3	assume no trace					kaoiki	slight	felt	VL 519, p. 6	Kaoiki fault bet bird park and Ohaikea; felt-volcano
2/22/53	12:40:00	N-S (M-S)		4.20		3	assume no trace					do	do	do	do	do
2/22/53	12:40:00	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
2/22/53	12:40:00	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
3/7/53	0:26:00	E-W (M-S)		3.95		3	no trace					hualalai	vf-felt; f (kona)	IV	Kona mag 3.7-4.3; VL 519, p. 6; not found in HTH; HVO, unpub	Hualalai summit; felt-Kona,, Kapapala; Capt. Cook-III, pheasants cried ~2 seconds before quake felt, rolling wave like tremor passed through the house rattling windows; felt similarly in Kailua and Honokahau; felt at as short hard jolt
3/7/53	0:26:00	N-S (M-S)	0.5	3.95	2.0	1.5	no trace; threshold mag	3.87				do	do	do	do	do
3/7/53	0:26:00	SP E-W (N-L)	1.7	3.95	1.0	1		3.76				do	do	do	do	do
3/7/53	0:26:00	SP Vert (SPN)	0.5	3.95	2.0	1.5	no trace; threshold mag	3.58				do	do	do	do	do
3/26/53	4:19:00	E-W (M-S)	1.0	4.15	1.5	1.5	no trace; threshold mag	4.37				hilea	moderate	IV (Naalehu)	Honolulu data average of two readings; closer? or slight; VL 519, p. 6; HTH, Mar. 26, 1953; HVO, unpub	strong at, Kapapala; slight-most Hawaii island; Warshauer notes: strong at, Kapapala; Kukuihaele-II; Hilo-II; Kalahiki-II; Capt. cook-II, v slight quiver, window rattle; preferred magnitude calculated as average of Honolulu and nomogram
3/26/53	4:19:00	N-S (M-S)	0.9	4.15	1.5	1.5	no trace; threshold mag	4.32				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/26/53	4:19:00	SP E-W (N-L)	4.0	4.15	1.0	1		4.01				do	do	do	do	do
3/26/53	4:19:00	SP Vert (SPN)	1.0	4.15	1.0	1		3.76				do	do	do	do	do
3/26/53	4:19:00	E-W (M-S)		4.15			no repeat					do	do	do	do	do
3/26/53	4:19:00	N-S (M-S)		4.15			no repeat					do	do	do	do	do
3/26/53	4:19:00	SP E-W (N-L)	3.5	4.15	1.0	1	repeat	3.95				do	do	do	do	do
3/26/53	4:19:00	SP Vert (SPN)	0.7	4.15	1.0	1	repeat; noise 0.5mm, 1s	3.61				do	do	do	do	do
3/26/53	11:40:00	E-W (M-S)		4.15		3	no trace					hilea	vf (vf-ml)	III (Naalehu)	VL 519, p. 6; HTH, Mar. 26, 1953; HVO, unpub	felt moderately-; slightly-Kona; 47.5 km from ml; Warshauer notes: A quake at 1:40 a.m. was intensity II-III.; Kalahiki (Kona)-III
3/26/53	11:40:00	N-S (M-S)		4.15		3	assume no trace					do	do	do	do	do
3/26/53	11:40:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
3/26/53	11:40:00	SP Vert (SPN)		4.15		3	no trace					do	do	do	do	do
4/24/53	11:42:00	E-W (M-S)		4.15		3	assume no trace					ml swr	feeble	IV	VL 520, p. 4; HVO, unpub	felt-volcano, s Kona, Kohala; Kalahiki (Kona)-IV; Capt. Cook-II, awakened, gentle window rattling, strong at beginning gradually becoming weaker, dur 10 sec or more; Hawi-II
4/24/53	11:42:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
4/24/53	11:42:00	SP E-W (N-L)		4.15		3	no trace					do	do	do	do	do
4/24/53	11:42:00	SP Vert (SPN)		4.15		3	no trace					do	do	do	do	do
4/29/53	18:50:00	E-W (M-S)		4.2		3	no trace		3.4-3.9			kl swr?	moderate		VL 520, p. 4	SW rift
4/29/53	18:50:00	N-S (M-S)		4.2		3	no trace		3.4-3.9			do	do	do	do	do
4/29/53	18:50:00	SP E-W (N-L)		4.2		3	no trace		3.4-3.9			do	do	do	do	do
4/29/53	18:50:00	SP Vert (SPN)		4.2		3	no trace		3.4-3.9			do	do	do	do	do
4/29/53	21:03:00	E-W (M-S)		4.2		3	no trace		2.9-3.4			kilauea	moderate		average distance and depth assumed from modern catalog locations of near-caldera events; VL 520, p. 4	Kilauea in VL
4/29/53	21:03:00	N-S (M-S)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
4/29/53	21:03:00	SP E-W (N-L)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
4/29/53	21:03:00	SP Vert (SPN)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
4/29/53	23:00:00	E-W (M-S)		4.2		3	no trace		2.9-3.4			kl swr?	moderate		VL 520, p. 4	SW rift (?)
4/29/53	23:00:00	N-S (M-S)		4.2		3	detected?-signal:noise ~.5		2.9-3.4			do	do	do	do	do
4/29/53	23:00:00	SP E-W (N-L)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
4/29/53	23:00:00	SP Vert (SPN)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
5/24/53	12:44:00	E-W (M-S)	1.0	4.20	0.5	1		4.76				kaoiki	moderate	V	VL 520, p. 4; HVO, unpub	felt-most Hawaii island n to Kukuihaele; Hilo-II; Capt. Cook-IV, awakened, dogs barked, tremors built to climax then tapered; very strong jolt at Honokahau, quite severe at Kona hospital; Kukuihaele-II; Kalahiki (Kona)-III; Kealakekua-longer than May 25
5/24/53	12:44:00	N-S (M-S)	0.8	4.20	0.5	1		4.66				do	do	do	do	do
5/24/53	12:44:00	SP E-W (N-L)	10.0	4.20	0.5	1		4.46				do	do	do	do	do
5/24/53	12:44:00	SP Vert (SPN)	2.0	4.20	0.5	1		4.11				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/29/53	14:59:00	E-W (M-S)	0.7	4.05	1.5	1.5	film time 14:58; no trace; threshold mag	4.12				kona	slight (st-kona)	IV	Honolulu data average of two readings; Kona mag >4.1; VL 520, p. 4; HVO, unpub	felt-cen, s Kona,, volcano; preferred magnitude calculated as average of Honolulu and nomogram; Kealakekua V, quite strong, started with bump, windows rattled
5/29/53	14:59:00	N-S (M-S)	0.6	4.05	1.5	1.5	film time 14:58; no trace; threshold mag	4.05				do	do	do	do	do
5/29/53	14:59:00	SP E-W (N-L)	4.4	4.05	0.5	1		4.08				do	do	do	do	do
5/29/53	14:59:00	SP Vert (SPN)	0.3	4.05		1	detected; noise 0.5mm, 1s	3.27				do	do	do	do	do
5/29/53	14:59:00	E-W (M-S)	0.5	4.05	1.5	1.5	repeat; film time 14:58; no trace; threshold mag; high frequency event, possibly deep	3.97				do	do	do	do	do
5/29/53	14:59:00	N-S (M-S)	0.4	4.05	1.5	1.5	repeat; film time 14:58; no trace; threshold mag	3.87				do	do	do	do	do
5/29/53	14:59:00	SP E-W (N-L)	3.0	4.05	1.0	1	repeat; noise 1.1mm, 1s; 2.8 mm, 1s	3.92				do	do	do	do	do
5/29/53	14:59:00	SP Vert (SPN)	0.6	4.05	1.0	1	repeat; noise 0.4mm, 1s	3.57				do	do	do	do	do
6/9/53	10:49:00	E-W (M-S)		4.2		3	no trace		3.1-3.5			kilauea	slight	IV	average distance and depth assumed from modern catalog locations of near-caldera events; VL 520, p. 5; HVO unpub	Kilauea (?) in VL; felt-Hilo; Hilo-III, awakened all in house
6/9/53	10:49:00	N-S (M-S)		4.2		3	no trace		3.1-3.5			do	do	do	do	do
6/9/53	10:49:00	SP E-W (N-L)		4.2		3	no trace		3.1-3.5			do	do	do	do	do
6/9/53	10:49:00	SP Vert (SPN)		4.2		3	no trace		3.1-3.5			do	do	do	do	do
6/16/53	06:34:00	E-W (M-S)		4.2		3	no record		3.6-4.2			kl gln deep?	f-felt	felt	depth of 45 km assumed consistent with location and felt reports; VL 520, p. 5	NE slope of Mauna Loa; felt in Hilo and volcano districts
6/16/53	06:34:00	N-S (M-S)		4.2		3	no trace		3.6-4.2			do	do	do	do	do
6/16/53	06:34:00	SP E-W (N-L)		4.2		3	no record		3.6-4.2			do	do	do	do	do
6/16/53	06:34:00	SP Vert (SPN)		4.2		3	no trace		3.6-4.2			do	do	do	do	do
6/27/53	20:47:00	E-W (M-S)		4.20			no trace					ml ner	moderate	felt	VL 520, p. 5	felt-volcano
6/27/53	20:47:00	N-S (M-S)		4.20			no trace					do	do	do	do	do
6/27/53	20:47:00	SP E-W (N-L)	2.0	4.20	1.0	1	record obscured; min amp	3.92				do	do	do	do	do
6/27/53	20:47:00	SP Vert (SPN)	1.0	4.20	0.7	1		3.97				do	do	do	do	do
8/22/53	5:47:00	E-W (M-S)	3.0	3.95	1.0	1		4.98				hualalai	s (st-ml, kona, hilo)	V; V (S&C)	deeper? from felt reports; mag Kona >5.0, mag Hilo >5. 4, mag ml >5.0; VL 521, p. 6; HTH, Aug. 22, 1953; extensive felt reports in HVO, unpub	n slope Hualalai near Puu waa waa; felt-all Hawaii island, Maui, Honolulu; Warshauer notes: "moderate" to "strong" quake felt widely; Hilo variable, light fixture unhinged; Kona (strong-rattled items),, Kapapala, Volcano, Kohala, Hamakua and Hilo
8/22/53	5:47:00	N-S (M-S)	6.0	3.95	1.0	1	deep?	5.28				do	do	do	do	do
8/22/53	5:47:00	SP E-W (N-L)	30.0	3.95	1.0	1		5.01				do	do	do	do	do
8/22/53	5:47:00	SP Vert (SPN)	12.0	3.95	1.0	1		4.96				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/23/53	10:53:00	E-W (M-S)	0.9	3.95	1.5	1.5		4.12				hualalai	strong	IV	Honolulu data average of two readings; if referenced to Kona station; VL 521, p. 6; HTH, Aug. 24, 1953 [newspaper reports "strong" on HVO and ML stations-inconsistent with location given]; extensive felt reports in HVO, unpub	SW slope Hualalai 3 mi e of Holualoa; felt-Kona (strong), and Kapapala (moderate), volcano (slight); Warshauer notes: quakes felt in Volcano, Hilo, Kapapala, and Kona; stronger than event two days ago in volcano, less strong in Kona
8/23/53	10:53:00	N-S (M-S)	0.8	3.95	1.5	1.5		4.07				do	do	do	do	do
8/23/53	10:53:00	SP E-W (N-L)	10.0	3.95	1.0	1		4.53				do	do	do	do	do
8/23/53	10:53:00	SP Vert (SPN)	2.2	3.95	1.0	1		4.22				do	do	do	do	do
8/23/53	10:53:00	E-W (M-S)		3.95			no repeat					do	do	do	do	do
8/23/53	10:53:00	N-S (M-S)	1.9	3.95	6.0	3	repeat	3.88				do	do	do	do	do
8/23/53	10:53:00	SP E-W (N-L)	7.0	3.95	1.0	1	repeat	4.38				do	do	do	do	do
8/23/53	10:53:00	SP Vert (SPN)	1.5	3.95	1.0	1	repeat	4.06				do	do	do	do	do
10/8/53	19:22:00	E-W (M-S)	0.7	3.95	1.5	1.5	no trace; threshold mag	4.02				ml wf?	f-felt (m-ml)	VI	Honolulu data average of two readings; ml mag 4.3-4.9; closer to ml or slight at ml?; VL 522, p. 3; additional felt reports in HVO, unpub	Hualalai 9 mi e of Hainoa crater; felt-Kona; Capt. Cook-IV, objects rattled, dur 15 sec, dogs barked, small shock then big one, Kealakekua-2 strong shocks, dishes rattled; Papaloa-v strong, trees swayed, Capt. Cook mauka coffee land-large trees shook
10/8/53	19:22:00	N-S (M-S)	0.9	3.95	1.5	1.5	no trace; threshold mag	4.12				do	do	do	do	do
10/8/53	19:22:00	SP E-W (N-L)	6.0	3.95	0.5	1		4.31				do	do	do	do	do
10/8/53	19:22:00	SP Vert (SPN)	0.9	3.95	1.0	1	no trace; threshold mag	3.83				do	do	do	do	do
10/8/53	19:22:00	E-W (M-S)		3.95			no repeat					do	do	do	do	do
10/8/53	19:22:00	N-S (M-S)		3.95			no repeat					do	do	do	do	do
10/8/53	19:22:00	SP E-W (N-L)	6.0	3.95	1.0	1	repeat	4.31				do	do	do	do	do
10/8/53	19:22:00	SP Vert (SPN)		3.95			no repeat					do	do	do	do	do
10/27/53	11:07:00	E-W (M-S)	0.6	4.25	1.5	1.5	no trace; threshold mag	4.25	>4.2			kl kuer sf?	strong	felt	felt report and lack of Honolulu signature suggests shallow uer closer to summit than location given, or moderate; checked paper records w. bob k 8/96-all four quakes look the same; VL 522, p. 4; HVO unpub	s of Aloi crater near Ainahou; felt-volcano; volcano-slight; no mention of earthquake being felt in article published in HTH on Oct. 27 and 28, 1953
10/27/53	11:07:00	N-S (M-S)	0.5	4.25	1.1	1.5	no trace; threshold mag	4.17	>4.2			do	do	do	do	do
10/27/53	11:07:00	SP E-W (N-L)	0.8	4.25	1.0	1	noise 0.8mm, 1s	3.80	>4.2			do	do	do	do	do
10/27/53	11:07:00	SP Vert (SPN)	0.6	4.25	1.0	1	no trace; threshold mag	4.03	>4.2			do	do	do	do	do
10/27/53	13:37:00	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	>4.3			kl mer sf?	strong	III	felt report and lack of Honolulu signature suggests shallow uer closer to summit than location given, or moderate; checked paper records w. bob k 8/96-all four quakes look the same; VL 522, p. 4; HVO unpub	e rift s of Makaopuhi crater; felt-volcano; Hilo-felt slightly; no mention of earthquake being felt in article published in HTH on Oct. 27 and 28, 1953
10/27/53	13:37:00	N-S (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	>4.3			do	do	do	do	do
10/27/53	13:37:00	SP E-W (N-L)	0.7	4.3	1.0	1	noise 0.7mm, 1s	3.80	>4.3			do	do	do	do	do
10/27/53	13:37:00	SP Vert (SPN)	0.6	4.3	1.0	1	no trace; threshold mag	4.08	>4.3			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
10/27/53	14:30:00	E-W (M-S)	3.5	4.25	4.0	3	signal:noise ~2	4.44	>4.1			kl kuer sf?	strong	III	checked paper records w. bob k 8/96-all four quakes look the same; VL 522, p. 4; HVO unpub	e rift near Alae crater; felt-volcano; volcano-slight; no mention of earthquake being felt in article published in HTH on Oct. 27 and 28, 1953
10/27/53	14:30:00	N-S (M-S)	3.0	4.25	3.0	3	signal:noise ~2	4.38	>4.1			do	do	do	do	do
10/27/53	14:30:00	SP E-W (N-L)	4.5	4.25	3.0	3		4.55	>4.1			do	do	do	do	do
10/27/53	14:30:00	SP Vert (SPN)	2.5	4.25	2.0	2		4.65	>4.1			do	do	do	do	do
10/27/53	16:20:00	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	>4.4			kl kuer sf?	strong		lack of Honolulu signature suggests shallow uer closer to summit than location given, or moderate; checked paper records w. bob k 8/96-all four quakes look the same; VL 522, p. 4	e rift s of Napau crater; no earthquake intensity information in article published in HTH on Oct. 27 and 28, 1953
10/27/53	16:20:00	N-S (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	>4.4			do	do	do	do	do
10/27/53	16:20:00	SP E-W (N-L)	0.9	4.3	1.0	1	no trace; threshold mag	3.90	>4.4			do	do	do	do	do
10/27/53	16:20:00	SP Vert (SPN)	0.7	4.3	1.0	1	no trace; threshold mag	4.15	>4.4			do	do	do	do	do
11/6/53	12:30:00	E-W (M-S)		4.2		3	no trace		3.9-4.4			kaoiki?	feeble; slight (ml)		ml mag 3.9-4. 4; VL 522, p. 4	Mauna Loa 3 mi s of ml seismograph
11/6/53	12:30:00	N-S (M-S)	0.5	4.2	3.0	3	detected				3.55	do	do	do	do	do
11/6/53	12:30:00	SP E-W (N-L)		4.2		3	no trace				0.00	do	do	do	do	do
11/6/53	12:30:00	SP Vert (SPN)	0.3	4.2	1.0	1	detected				3.68	do	do	do	do	do
11/6/53	12:30:00	E-W (M-S)		4.2		3	no trace		3.9-4.4			kaoiki?	; slight (ml)		ml mag 3.9-4.4; 522, p. 4	Mauna Loa 3 mi s of ml seismograph
11/6/53	12:30:00	N-S (M-S)	0.5	4.2	3.0	3	detected	3.55				do	do	do	do	do
11/6/53	12:30:00	SP E-W (N-L)		4.2		3	no trace	0.00				do	do	do	do	do
11/6/53	12:30:00	SP Vert (SPN)	0.3	4.2	1.0	1	detected	3.68				do	do	do	do	do
11/29/53	01:38:00	E-W (M-S)		4.2		3	no trace		3.6-4.1			kl cal 05-10	moderate	felt	depth assumed consistent with Honolulu magnitude and felt report; VL 522, p. 4	near Kilauea crater; felt-hnp
11/29/53	01:38:00	N-S (M-S)		4.2		3	no trace		3.6-4.1			do	do	do	do	do
11/29/53	01:38:00	SP E-W (N-L)	1.5	4.2	1.0	1	event at 1:36	4.03	3.6-4.1			do	do	do	do	do
11/29/53	01:38:00	SP Vert (SPN)		4.2		3	no trace		3.6-4.1			do	do	do	do	do
11/30/53	05:44:00	E-W (M-S)		4.2		3	no trace		3.6-4.1			kl cal 05-10?	moderate	felt	depth assumed consistent with Honolulu magnitude and felt report; VL 522, p. 4; HTH, Nov. 30, 1953	near Kilauea crater; felt-hnp; Warshauer notes: an earthquake at 7:43:43 p.m. No felt report
11/30/53	05:44:00	N-S (M-S)		4.2		3	no trace		3.6-4.1			do	do	do	do	do
11/30/53	05:44:00	SP E-W (N-L)	1.0	4.2		3	maximum value-at noise level	3.85	3.6-4.1			do	do	do	do	do
11/30/53	05:44:00	SP Vert (SPN)		4.2		3	no trace		3.6-4.1			do	do	do	do	do
11/30/53	06:43:00	E-W (M-S)	1.0	4.3		1.5	no trace; threshold mag	4.52	>4.4			kl mer sf?	strong	IV	Honolulu amplitude average of two readings; VL 522, p. 4; additional felt reports in HVO unpub; HTH, Nov. 30, 1953]	e rift near Napau crater; felt-hnp to Hilo; Warshauer notes: shook Hilo home sharply, intensity III; hit Hilo with a joggly sharpness, se-NW; heavy shock then lighter; sustained motion that rattled windows and doors vigorously; depth 10 mi (change VL?)
11/30/53	06:43:00	N-S (M-S)	0.8	4.3		1.5	no trace; threshold mag	4.42	>4.4			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
11/30/53	06:43:00	SP E-W (N-L)	3.5	4.3	1.0	1	4mm at 1s	4.49	>4.4			do	do	do	do	do
11/30/53	06:43:00	SP Vert (SPN)	1.0	4.3		3	1.2 mm at 1s	4.30	>4.4			do	do	do	do	do
11/30/53	06:43:00	E-W (M-S)		4.3			no repeat		>4.4			do	do	do	do	do
11/30/53	06:43:00	N-S (M-S)		4.3			no repeat		>4.4			do	do	do	do	do
11/30/53	06:43:00	SP E-W (N-L)	4.0	4.3	1.0	1	repeat	4.55	>4.4			do	do	do	do	do
11/30/53	06:43:00	SP Vert (SPN)	1.2	4.3		3	repeat	4.38	>4.4			do	do	do	do	do
1/21/54	7:39:00	E-W (M-S)	0.8	4.15	1.5	1.5	no trace; threshold mag	4.27				ml ner?	feeble (s-ml)	IV	location wrong?; ml mok better fits felt reports and Hon magnitude; Honolulu data average of two readings; ml mag 3.2-3.7; VL 523, p. 6; HVO, unpub	NE rift Puu Ulaula; felt-Papaloa Kona, hnp, Kukuihaele; preferred magnitude calculated as an average of HVO and nomogram; Papaloa (Kealakekua mauka-5100 ft alt)-IV, sharp jerking, windows rattled, dur 4-6 sec, slight jiggle in Kealakekua; Kukuihaele-II
1/21/54	7:39:00	N-S (M-S)	0.7	4.15	1.5	1.5	no trace; threshold mag	4.22				do	do	do	do	do
1/21/54	7:39:00	SP E-W (N-L)	2.0	4.15	1.0	1		3.87				do	do	do	do	do
1/21/54	7:39:00	SP Vert (SPN)	0.5	4.15	1.0	1	no trace; threshold mag	3.62				do	do	do	do	do
1/21/54	7:39:00	E-W (M-S)		4.15			no repeat					do	do	do	do	do
1/21/54	7:39:00	N-S (M-S)		4.15			no repeat					do	do	do	do	do
1/21/54	7:39:00	SP E-W (N-L)	2.2	4.15	1.0	1	repeat	3.91				do	do	do	do	do
1/21/54	7:39:00	SP Vert (SPN)		4.15			no repeat					do	do	do	do	do
1/24/54	14:36:00	E-W (M-S)		4.2		3	no trace		3.7-4.2			kl kuer sf?	s-felt	II	VL 523, p. 6; HVO unpub	e rift Alae crater, felt-Hilo; Hilo-II, light, typical local quake
1/24/54	14:36:00	N-S (M-S)		4.2		3	no trace		3.7-4.2			do	do	do	do	do
1/24/54	14:36:00	SP E-W (N-L)		4.2		3	no trace		3.7-4.2			do	do	do	do	do
1/24/54	14:36:00	SP Vert (SPN)		4.2		3	no trace		3.7-4.2			do	do	do	do	do
3/30/54	16:40:03	E-W (M-S)	152.0	4.3	10.0	3		6.13	>4.9	6.00	catalog	kl mer sf	strong	VI	VL 523, p. 5, 7; HVO unpub; HTH, Mar. 30; 31, 1954	about 15 mi deep between e rift and Kalapana; felt-entire Hawaii island; Hilo-V, dishes off shelves; Kalahiki (Kona)-IV, long and gentle; Warshauer notes: see bib for damage report in Hilo
3/30/54	16:40:03	N-S (M-S)	128.0	4.3	8.0	3		6.06	>4.9	6.00	catalog	do	do	do	do	do
3/30/54	16:40:03	SP E-W (N-L)	114.0	4.3	1.0	1		6.01	>4.9	6.00	catalog	do	do	do	do	do
3/30/54	16:40:03	SP Vert (SPN)	41.0	4.3	2.0	2		5.91	>4.9	6.00	catalog	do	do	do	do	do
3/30/54	18:41:54	E-W (M-S)	368.0	4.3	3.0	3		6.51	>4.9	6.50	catalog	kl mer sf	do	VII; VII (USE); VI (S&C)	isoseismal map in W&K; VL 523, p. 5, 7; additional felt reports in HVO unpub; HTH, Mar. 30; 31, 954	felt-entire Hawaii island, parts of Maui; shaking most intense in Puna, water tanks thrown down, stone fences damaged; extensive damage in Hilo. broken windows, houses moved or thrown down; Warshauer notes: see bib for complete damage report in Hilo
3/30/54	18:41:54	N-S (M-S)	354.0	4.3	6.0	3		6.50	>4.9	6.50	catalog	do	do	do	do	do
3/30/54	18:41:54	SP E-W (N-L)	286.0	4.3	2.0	2		6.41	>4.9	6.50	catalog	do	do	do	do	do
3/30/54	18:41:54	SP Vert (SPN)	124.0	4.3	2.0	2		6.39	>4.9	6.50	catalog	do	do	do	do	do
3/30/54	21:19:00	E-W (M-S)		4.2		3	no trace		>3.4			kl cal 0-5	strong	felt	VL 523, p. 7	Kilauea crater; felt-hnp
3/30/54	21:19:00	N-S (M-S)		4.2		3	no trace		>3.4			do	do	do	do	do
3/30/54	21:19:00	SP E-W (N-L)		4.2		3	no trace		>3.4			do	do	do	do	do
3/30/54	21:19:00	SP Vert (SPN)		4.2		3	no trace		>3.4			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/1/54	02:00:00	E-W (M-S)	0.6	4.3	1.5	1.5	no trace; threshold mag	4.30	4.0-4.6			kl mer sf	moderate		VL 523, p. 7	aftershock-magnitude comparison suggests epicenter closer to Kilauea's summit than the mainshock
4/1/54	02:00:00	N-S (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	4.0-4.6			do	do	do	do	do
4/1/54	02:00:00	SP E-W (N-L)	1.2	4.3	1.0	1	noise 1.0mm, 1s	4.03	4.0-4.6			do	do	do	do	do
4/1/54	02:00:00	SP Vert (SPN)	0.8	4.3	1.0	1	no trace; threshold mag	4.20	4.0-4.6			do	do	do	do	do
4/1/54	16:34:49	E-W (M-S)		4.2		3	no trace		>3.4			kl cal 0-5?	strong	felt	VL 524, p. 10	Kilauea crater; felt-hnp
4/1/54	16:34:49	N-S (M-S)		4.2		3	no trace		>3.4			do	do	do	do	do
4/1/54	16:34:49	SP E-W (N-L)		4.2		3	no trace		>3.4			do	do	do	do	do
4/1/54	16:34:49	SP Vert (SPN)		4.2		3	no trace		>3.4			do	do	do	do	do
4/2/54	01:56:00	E-W (M-S)	0.5	4.35	1.5	1.5	no trace; threshold mag	4.27	4.0-4.5			kl ler	slight-felt	felt	VL 524, p. 10	east Puna; felt-Puna
4/2/54	01:56:00	N-S (M-S)	0.5	4.35	1.5	1.5	no trace; threshold mag	4.27	4.0-4.5			do	do	do	do	do
4/2/54	01:56:00	SP E-W (N-L)	0.5	4.35	1.0	1	no trace; threshold mag	3.70	4.0-4.5			do	do	do	do	do
4/2/54	01:56:00	SP Vert (SPN)		4.35		3	unreadable record		4.0-4.5			do	do	do	do	do
4/15/54	17:15:00	E-W (M-S)		4.2		3	no trace		>3.4			kl cal 0-5	strong	felt	VL 524, p. 10	Kilauea crater; felt-hnp; minimum magnitude
4/15/54	17:15:00	N-S (M-S)		4.2		3	no trace		>3.4			do	do	do	do	do
4/15/54	17:15:00	SP E-W (N-L)		4.2		3	no trace		>3.4			do	do	do	do	do
4/15/54	17:15:00	SP Vert (SPN)		4.2		3	no trace		>3.4			do	do	do	do	do
5/19/54	2:56:48	E-W (M-S)		4.05		3	no trace					kona	vf (st-kona)	IV	Kona >3.8 if shallow; VL 524, p. 10; HVO, unpub	Kona; assume 4 km from Kona; felt-Kealakekua, Capt. cook; Capt. Cook and Honaunau mauka-III, jar; Kealakekua-IV, short and sharp jolt, windows rattle; Honalo-short shake
5/19/54	2:56:48	N-S (M-S)		4.05		3	no trace					do	do	do	do	do
5/19/54	2:56:48	SP E-W (N-L)		4.05		3	no trace					do	do	do	do	do
5/19/54	2:56:48	SP Vert (SPN)		4.05		3	no trace					do	do	do	do	do
5/27/54	2:39:42	E-W (M-S)		4.20		3	no trace					kaoiki	feeble (st-ml)		ml mag >3.3; VL 524, p. 11	Kaoiki fault near halfway house [depth made shallow and latitude and longitude put close to ml seismometer to better fit the contrasting signals at Whitney and ml]
5/27/54	2:39:42	N-S (M-S)		4.20		3	no trace					do	do		do	do
5/27/54	2:39:42	SP E-W (N-L)		4.20		3	no trace					do	do		do	do
5/27/54	2:39:42	SP Vert (SPN)		4.20		3	no trace					do	do		do	do
5/31/54	13:50:44	E-W (M-S)		4.2		3	no trace		2.9-3.4			kl cal 0-5	moderate		uwe mag >3.0; VL 524, p. 11	Kilauea crater
5/31/54	13:50:44	N-S (M-S)		4.2		2	no trace		2.9-3.4			do	do	do	do	do
5/31/54	13:50:44	SP E-W (N-L)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
5/31/54	13:50:44	SP Vert (SPN)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
5/31/54	13:54:05	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	2.9-3.4			kl cal 05-10	strong	felt	Honolulu amplitude average of two readings; VL 524, p. 11	Kilauea crater just e of Halemaumau; felt-hnp
5/31/54	13:54:05	N-S (M-S)	1.5	4.2	3.0	3	noise; 0.7mm, 1.5s	4.02	2.9-3.4			do	do	do	do	do
5/31/54	13:54:05	SP E-W (N-L)	1.3	4.2	1.5	1.5		3.96	2.9-3.4			do	do	do	do	do
5/31/54	13:54:05	SP Vert (SPN)	0.5	4.2	1.0	1	no trace; threshold mag	3.90	2.9-3.4			do	do	do	do	do
5/31/54	13:54:05	E-W (M-S)	0.7	4.2	1.5	1.5	repeat; no trace; threshold mag	4.27	2.9-3.4			do	do	do	do	do
5/31/54	13:54:05	N-S (M-S)	0.5	4.2	2.0	2	repeat; noise 0.5mm, 2s	3.88	2.9-3.4			do	do	do	do	do
5/31/54	13:54:05	SP E-W (N-L)	1.0	4.2	2.0	2	repeat; noise 0.7mm, 1.5s	3.85	2.9-3.4			do	do	do	do	do
5/31/54	13:54:05	SP Vert (SPN)	0.5	4.2	1.0	1	repeat; no trace; threshold mag	3.90	2.9-3.4			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/2/54	6:43:00	E-W (M-S)		4.05			no trace					kona	vf-felt; st (kona)	III	Kona >3.8 if shallow; moderate at Kona?; VL 524, p. 11; HVO, unpub	Kona; assume 5 km from Kona; felt-Kona; Kalahiki (Kona)-II, pictures tilted toward Kau
6/2/54	6:43:00	N-S (M-S)	0.5	4.05	1.5	1.5	no trace; threshold mag	3.97				do	do	do	do	do
6/2/54	6:43:00	SP E-W (N-L)	0.8	4.05	1.5	1.5	no trace; threshold mag	3.34				do	do	do	do	do
6/2/54	6:43:00	SP Vert (SPN)	0.4	4.05	1.0	1.5	no trace; threshold mag	3.39				do	do	do	do	do
7/3/54	21:52:35	E-W (M-S)	15.0	4.2	8.0	3		5.02	>4.8			kl mer sf?	strong	VI (W&K; S&C)	magnitude not given in VL; VL 525, p. 6; HVO unpub	e rift near Alae crater, felt generally s half Hawaii island, accompanied and followed by numerous rockfalls on seaward face of Puu Kapukapu; detailed felt reports in HVO unpub
7/3/54	21:52:35	N-S (M-S)	9.5	4.2	6.0	3		4.83	>4.8			do	do	do	do	do
7/3/54	21:52:35	SP E-W (N-L)	35.0	4.2	1.0	1		5.24	>4.8			do	do	do	do	do
7/3/54	21:52:35	SP Vert (SPN)	14.5	4.2	2.0	2	force=4 mm (S-wave)	5.21	>4.8			do	do	do	do	do
7/26/54	4:17:55	E-W (M-S)		4.20		3	no trace					kaoiki	slight	felt	VL 525, p. 7; HVO, unpub	near ml seismometer; felt-hnp; hnp-felt
7/26/54	4:17:55	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
7/26/54	4:17:55	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
7/26/54	4:17:55	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
7/26/54	10:51:44	E-W (M-S)		4.20		3	no trace					kaoiki	slight	II	VL 525, p. 7; HVO, unpub	Kaoiki fault w of HVO; felt-hnp, Kona; hnp-felt; Capt. Cook-II, 2 v gentle window rattles about 3 sec apart
7/26/54	10:51:44	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
7/26/54	10:51:44	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
7/26/54	10:51:44	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
8/2/54	23:40:33	E-W (M-S)	0.5	4.25	1.5	1.5	no trace; threshold mag	4.17	>4.5			kl uer	strong	felt	mag agrees if shallow; VL 525, p. 7	e rift Alae crater; felt-hnp
8/2/54	23:40:33	N-S (M-S)	0.5	4.25	1.5	1.5	no trace; threshold mag	4.17	>4.5			do	do	do	do	do
8/2/54	23:40:33	SP E-W (N-L)	0.7	4.25	1.5	1.5	no trace; threshold mag	3.75	>4.5			do	do	do	do	do
8/2/54	23:40:33	SP Vert (SPN)	0.4	4.25	1.0	1	no trace; threshold mag	3.85	>4.5			do	do	do	do	do
8/8/54	00:26:17	E-W (M-S)	4.0	4.2		3		4.45	>4.8			kl cal deep	strong	V	VL 525, p. 7; additional felt reports in HVO unpub	Kilauea crater; felt generally-central Hawaii island; Kamuela-V, vigorous shake, rumbling, windows rattle; Capt. Cook-III to IV, 2 distinct, 2nd stronger, comb dur 1 min, swaying, felt by persons walking outdoors; Honokahau-window rattle
8/8/54	00:26:17	N-S (M-S)	5.5	4.2	1.5	1.5		5.16	>4.8			do	do	do	do	do
8/8/54	00:26:17	SP E-W (N-L)	52.0	4.2	1.0	1		5.42	>4.8			do	do	do	do	do
8/8/54	00:26:17	SP Vert (SPN)	8.5	4.2	1.0	1		4.98	>4.8			do	do	do	do	do
8/31/54	09:17:04	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	4.2-4.7			kl mer	moderate	felt	Honolulu amplitude average of two readings; mag agreement best for shallow depth; VL 525, p. 7	e rift Makaopuhi crater; felt-hnp
8/31/54	09:17:04	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	4.2-4.7			do	do	do	do	do
8/31/54	09:17:04	SP E-W (N-L)	2.5	4.3		3	noise 0.6mm, 1.5s	4.35	4.2-4.7			do	do	do	do	do
8/31/54	09:17:04	SP Vert (SPN)	0.6	4.3	1.0	1	no trace; threshold mag	4.08	4.2-4.7			do	do	do	do	do
8/31/54	09:17:04	E-W (M-S)	0.5	4.3	1.5	1.5	repeat; no trace threshold mag	4.22				do	do	do	do	do
8/31/54	09:17:04	N-S (M-S)	0.4	4.3	1.5	1.5	repeat; noise 0.4mm, 1.5s	4.12				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/31/54	09:17:04	SP E-W (N-L)	0.6	4.3	1.5	1.5	repeat; no trace threshold mag	3.73				do	do	do	do	do
8/31/54	09:17:04	SP Vert (SPN)	0.3	4.3	1.0	1	repeat; noise 0.4mm, 1s	3.78				do	do	do	do	do
10/8/54	04:43:22	E-W (M-S)		4.25		3	no trace		3.8-4.3			kl uer	moderate		VL 526, p. 5; HVO unpub	e rift near Pauahi; hnp (time 18:58-wrong in VL?)-set off buzzer
10/8/54	04:43:22	N-S (M-S)		4.25		3	no trace		3.8-4.3			do	do	do	do	do
10/8/54	04:43:22	SP E-W (N-L)		4.25		3	no trace		3.8-4.3			do	do	do	do	do
10/8/54	04:43:22	SP Vert (SPN)		4.25		3	no trace		3.8-4.3			do	do	do	do	do
10/8/54	6:56:25	E-W (M-S)	0.6	4.15	1.5	2	no trace; threshold mag	3.91				hilea	m (st-naalehu)	III	Hon mags seem too low; se flank Mauna Loa about 20 km n of; Honolulu data average of two readings; mag >4. 4; closer? or slight?; VL 526, p. 5; HVO, unpub; HTH, Oct. 8, 195VL 4	felt-Kalahiki, Capt. cook, hnp; extensive felt reports in HVO, unpub; Warshauer notes: felt sharply in Hilo
10/8/54	6:56:25	N-S (M-S)	0.5	4.15	1.5	1.5	no trace; threshold mag	4.07				do	do	do	do	do
10/8/54	6:56:25	SP E-W (N-L)	2.2	4.15		3		3.75				do	do	do	do	do
10/8/54	6:56:25	SP Vert (SPN)	0.6	4.15	1.0	1.5	no trace; threshold mag	3.54				do	do	do	do	do
10/8/54	6:56:25	E-W (M-S)		4.15			no repeat					do	do	do	do	do
10/8/54	6:56:25	N-S (M-S)		4.15			no repeat					do	do	do	do	do
10/8/54	6:56:25	SP E-W (N-L)	2.0	4.15	1.5	1.5	repeat	3.71				do	do	do	do	do
10/8/54	6:56:25	SP Vert (SPN)		4.15			no repeat					do	do	do	do	do
10/11/54	16:26:33	E-W (M-S)		4.15		3	no trace					ml nf	strong	IV	Kamuela mag >4.8; must be closer to Kamuela; VL 526, p. 5; HVO, unpub	15 km se of Kamuela; felt-Kamuela; Kamuela-V, strong, loud "explosive" noise with rumble from NE, strong jar to building
10/11/54	16:26:33	N-S (M-S)		4.15		3	detected					do	do	do	do	do
10/11/54	16:26:33	SP E-W (N-L)	5.5	4.15	1.0	1		4.28				do	do	do	do	do
10/11/54	16:26:33	SP Vert (SPN)	1.5	4.15	1.0	1	signal/noise 1.5	4.07				do	do	do	do	do
11/4/54	14:49:21	E-W (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	3.9-4.5			kl mer	moderate		VL 526, p. 5	e rift near Napau crater
11/4/54	14:49:21	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	3.9-4.5			do	do	do	do	do
11/4/54	14:49:21	SP E-W (N-L)	0.5	4.3	1.5	1.5	no trace; threshold mag	3.65	3.9-4.5			do	do	do	do	do
11/4/54	14:49:21	SP Vert (SPN)	0.5	4.3	1.0	1	no trace; threshold mag	4.00	3.9-4.5			do	do	do	do	do
11/7/54	02:04:36	E-W (M-S)		4.2		3	no trace		4.1-4.7			kl cal 05-10	moderate	felt	mag agreement best if shallow; VL 526, p. 5; HVO unpub	near Kilauea crater, felt-hnp; volcano-gentle rocking motion
11/7/54	02:04:36	N-S (M-S)		4.2		3	record unusable		4.1-4.7			do	do	do	do	do
11/7/54	02:04:36	SP E-W (N-L)		4.2		3	no trace		4.1-4.7			do	do	do	do	do
11/7/54	02:04:36	SP Vert (SPN)		4.2		3	no trace		4.1-4.7			do	do	do	do	do
11/19/54	20:55:34	E-W (M-S)		4.10		3	detected					ml nf	feeble (st-kam)	IV	Kamuela mag >4.8; must be closer to Kamuela; VL 526, p. 5; HVO, unpub	15 km se of Kamuela; felt-Kamuela; Kamuela-V, strong, loud "explosive" noise with rumble from NE, strong jar to building
11/19/54	20:55:34	N-S (M-S)		4.10		3	no trace					do	do	do	do	do
11/19/54	20:55:34	SP E-W (N-L)	10.0	4.10	1.0	1		3.93				do	do	do	do	do
11/19/54	20:55:34	SP Vert (SPN)	5.5	4.10	1.0	1	2 sp vert: 0.5mm on 2nd sp vert	4.02				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
12/5/54	00:29:36	E-W (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	3.6-4.1			kl kuer sf	slight	IV	Honolulu amplitude average of two readings; VL 526, p. 6; HVO unpub	Hilina pali, felt-Hilo, Pahala; Pahala-V, building swayed slightly; Hilo-IV, motion quite rapid, began gradually, dur 5 sec, windows, doors and dishes rattled; followed shortly after by another quake felt by a few
12/5/54	00:29:36	N-S (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	3.6-4.1			do	do	do	do	do
12/5/54	00:29:36	SP E-W (N-L)	1.5	4.25	1.0	1		4.08	3.6-4.1			do	do	do	do	do
12/5/54	00:29:36	SP Vert (SPN)	0.5	4.25	1.0	1	no trace; threshold mag	3.95	3.6-4.1			do	do	do	do	do
12/5/54	00:29:36	E-W (M-S)		4.25			no repeat		3.6-4.1			do	do	do	do	do
12/5/54	00:29:36	N-S (M-S)		4.25			no repeat		3.6-4.1			do	do	do	do	do
12/5/54	00:29:36	SP E-W (N-L)	1.0	4.25	1.0	1	repeat; noise 0.5mm, 1s	3.90	3.6-4.1			do	do	do	do	do
12/5/54	00:29:36	SP Vert (SPN)		4.25			no repeat		3.6-4.1			do	do	do	do	do
12/6/54	06:59:15	E-W (M-S)		4.2		3	no trace		~3.7			kl gln deep	na; f-pahoa	IV	mag using the Kona seismometer based on location NW of the caldera (5 km from ml, 60 km from Kona and 43 km from Pahoa); ml mag 2.3-3.9; Kona mag 2.7-4.0; VL 526, p. 6; HVO unpub	This is the largest of a swarm of more than 200 small quakes near Kilauea caldera on Dec. 4 and 5; felt-cpt. cook, Pahala; Pahala (9:04 PM)-III, very feeble, slight movement and rattling windows
12/6/54	06:59:15	N-S (M-S)		4.2		3	no trace		~3.7			do	do	do	do	do
12/6/54	06:59:15	SP E-W (N-L)		4.2		3	no trace		~3.7			do	do	do	do	do
12/6/54	06:59:15	SP Vert (SPN)		4.2		3	no trace		~3.7			do	do	do	do	do
12/15/54	08:25:52	E-W (M-S)		4.2		3	no trace		3.5-4.0			kl cal 0-5	moderate	II	VL 526, p. 6; HVO unpub	Kilauea crater, felt-hnp; volcano-brief, gentle motion
12/15/54	08:25:52	N-S (M-S)		4.2		3	no trace		3.5-4.0			do	do	do	do	do
12/15/54	08:25:52	SP E-W (N-L)		4.2		3	no trace		3.5-4.0			do	do	do	do	do
12/15/54	08:25:52	SP Vert (SPN)		4.2		3	no trace		3.5-4.0			do	do	do	do	do
12/23/54	22:46:00	E-W (M-S)		4.00			no trace					kohala	mod (kamuela)	IV	VL 526, p. 6; HVO, unpub	Kamuela; felt-Kamuela, Hawi; Hawi-rattled windows; Kamuela-V, short dur, sharp jolt acc by explosive sound
12/23/54	22:46:00	N-S (M-S)		4.00			no trace					do	do	do	do	do
12/23/54	22:46:00	SP E-W (N-L)	3.0	4.00		3	no trace; threshold mag	4.06				do	do	do	do	do
12/23/54	22:46:00	SP Vert (SPN)	1.5	4.00	2.0	2	no trace; threshold mag	4.11				do	do	do	do	do
2/23/55	23:58:49	E-W (M-S)	0.7	4.3	1.5	1.5	no trace; threshold mag	4.37	~3.8			kl cal deep?	slight-uwe	V	Honolulu amplitude average of two readings; ml mag 3.8-4.3; Pahoa mag 3.8-4.3; Hilo mag 2.2 3.4; Naalehu mag 2.30-3.5; Kamuela mag 2.6-3.8; mags reconciled if Naalehu, Kamuela and Hilo were feeble; VL 527, p. 5; HVO unpub	e rift near Makaopuhi crater; felt-hnp, volcano,; volcano-awakened; felt by several hnp/volcano, quite strong acc by a roar;-felt; depth as given or deeper gives best fit to Honolulu magnitude and felt report
2/23/55	23:58:49	N-S (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	~3.8			do	do	do	do	do
2/23/55	23:58:49	SP E-W (N-L)	2.0	4.3	0.5	1		4.10	~3.8			do	do	do	do	do
2/23/55	23:58:49	SP Vert (SPN)	1.2	4.3	1.0	1	no trace; threshold mag	4.23	~3.8			do	do	do	do	do
2/23/55	23:58:49	E-W (M-S)		4.3			no repeat		~3.8			do	do	do	do	do
2/23/55	23:58:49	N-S (M-S)		4.3			no repeat		~3.8			do	do	do	do	do
2/23/55	23:58:49	SP E-W (N-L)	1.8	4.3	1.0	1	repeat; noise 1.0mm, 1s	4.06	~3.8			do	do	do	do	do
2/23/55	23:58:49	SP Vert (SPN)		4.3			no repeat		~3.8			do	do	do	do	do
2/25/55	04:46:22	E-W (M-S)		4.3		3	no trace		~3.4			kl ler	mod-Pahoa		VL 527, p. 5; HTH, Feb. 25, 1955	e rift near Puu Honuaula; Warshauer notes: dismantled Pahoa seismograph

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/25/55	04:46:22	N-S (M-S)		4.3		3	no trace		~3.4			do	do	do	do	do
2/25/55	04:46:22	SP E-W (N-L)		4.3		3	no trace		~3.4			do	do	do	do	do
2/25/55	04:46:22	SP Vert (SPN)		4.3		3	no trace		~3.4			do	do	do	do	do
2/25/55	16:11:25	E-W (M-S)		4.3		3	no trace		~3.4			kl ler	mod-Pahoa		VL 527, p. 5; HTH, Feb. 25, 1955	e rift se of Pahoa; assume 6 km from Pahoa; Warshauer notes: dismantled Pahoa seismograph
2/25/55	16:11:25	N-S (M-S)		4.3		3	no trace		~3.4			do	do	do	do	do
2/25/55	16:11:25	SP E-W (N-L)		4.3		3	no trace		~3.4			do	do	do	do	do
2/25/55	16:11:25	SP Vert (SPN)		4.3		3	record obscured		~3.4			do	do	do	do	do
2/26/55	08:01:50	E-W (M-S)		4.3		3	no trace		~3.4			kl ler	mod-Pahoa		VL 527, p. 5	e rift near Pahoa; assume 6 km from Pahoa
2/26/55	08:01:50	N-S (M-S)		4.3		3	no trace		~3.4			do	do	do	do	do
2/26/55	08:01:50	SP E-W (N-L)		4.3		3	no trace		~3.4			do	do	do	do	do
2/26/55	08:01:50	SP Vert (SPN)		4.3		3	no trace		~3.4			do	do	do	do	do
2/26/55	20:37:13	E-W (M-S)		4.3		3	no trace		~3.9			kl ler	slight-uwe		VL 527, p. 5	e rift near Puu Kepaka
2/26/55	20:37:13	N-S (M-S)		4.3		3	no trace		~3.9			do	do	do	do	do
2/26/55	20:37:13	SP E-W (N-L)		4.3		3	no trace		~3.9			do	do	do	do	do
2/26/55	20:37:13	SP Vert (SPN)		4.3		3	no trace		~3.9			do	do	do	do	do
3/2/55	00:21:30	E-W (M-S)	3.0	4.3	4.0	3		4.43	>4.0			kl mer	rong-Pahoa	V	assume strong at Whitney (VL 527, p. 4, table); M (Whitney) >4.65; VL 527, p. 5; HVO unpub	e rift near Kalalua; felt-volcano; hnp (bird park)-felt like someone shaking car; hnp-rec on experimental instrument, not felt; volcano-felt, water tank splashed; hnp-mirror thrown to floor, felt
3/2/55	00:21:30	N-S (M-S)	2.5	4.3	4.0	3		4.35	>4.0			do	do	do	do	do
3/2/55	00:21:30	SP E-W (N-L)	4.0	4.3	3.0	3		4.55	>4.0			do	do	do	do	do
3/2/55	00:21:30	SP Vert (SPN)	2.5	4.3	3.0	3	film time: 0:22:55	4.70	>4.0			do	do	do	do	do
3/5/55	22:39:08	E-W (M-S)	1.0	4.3	2.0	2	no trace; threshold mag	4.28	>4.3			kl mer	rong-pahoa	III	closer to Pahoa?; VL 527, p. 5; HVO unpub	records at Whitney and Uwekahuna unreadable during first few hours of swarm; rift 4 km e Napau crater; felt-Hilo; Hilo-felt by many, slow and weak, dur 3 sec, many near quakes these days
3/5/55	22:39:08	N-S (M-S)		4.3		3	no record		>4.3			do	do	do	do	do
3/5/55	22:39:08	SP E-W (N-L)	1.0	4.3	1.0	1	no trace; threshold mag	3.95	>4.3			do	do	do	do	do
3/5/55	22:39:08	SP Vert (SPN)	0.4	4.3	1.0	1	no trace; threshold mag	3.90	>4.3			do	do	do	do	do
3/5/55	22:46:53	E-W (M-S)		4.3		3	record missing		~3.8			kl mer	mod-Pahoa		VL 527, p. 5	e rift Kalalua
3/5/55	22:46:53	N-S (M-S)		4.3		3	unusable-high microseism-storm?		~3.8			do	do	do	do	do
3/5/55	22:46:53	SP E-W (N-L)		4.3		3	no trace		~3.8			do	do	do	do	do
3/5/55	22:46:53	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/5/55	22:48:37	E-W (M-S)		4.3		3	record missing		~3.8			kl mer	mod-Pahoa		VL 527, p. 5	e rift Kalalua
3/5/55	22:48:37	N-S (M-S)		4.3		3	unusable-high microseism-storm?		~3.8			do	do	do	do	do
3/5/55	22:48:37	SP E-W (N-L)		4.3		3	no trace		~3.8			do	do	do	do	do
3/5/55	22:48:37	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/5/55	22:53:44	E-W (M-S)		4.3		3	no trace		>4.0			kl mer	rong-pahoa		closer to Pahoa?; VL 527, p. 5	e rift Kalalua
3/5/55	22:53:44	N-S (M-S)		4.3		3	unusable record		>4.0			do	do	do	do	do
3/5/55	22:53:44	SP E-W (N-L)		4.3		3	no trace		>4.0			do	do	do	do	do
3/5/55	22:53:44	SP Vert (SPN)		4.3		3	no trace		>4.0			do	do	do	do	do
3/5/55	22:54:43	E-W (M-S)		4.3		3	record missing		~3.8			kl mer	mod-Pahoa		VL 527, p. 5	e rift Kalalua

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/5/55	22:54:43	N-S (M-S)		4.3		3	unusable-high microseism-storm?		~3.8			do	do	do	do	do
3/5/55	22:54:43	SP E-W (N-L)		4.3		3	no trace		~3.8			do	do	do	do	do
3/5/55	22:54:43	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/5/55	22:58:26	E-W (M-S)	6.0	4.3	3.0	3	signal/noise=0.5; ±3 amp	4.73	>4.2			kl mer	rong-Pahoa		VL 527, p. 5	4 km w of Kalalua-largest quake of series; assume strong at Whitney (VL 527, p. 4, table); M (Whitney) >4.65
3/5/55	22:58:26	N-S (M-S)		4.3		3	unreadable; high microseism		>4.2			do	do	do	do	do
3/5/55	22:58:26	SP E-W (N-L)	10.0	4.3		3	signal/noise=0.5; ±3 amp	4.95	>4.2			do	do	do	do	do
3/5/55	22:58:26	SP Vert (SPN)	2.5	4.3		3	signal/noise=0.5; ± 1.5 amp	4.70	>4.2			do	do	do	do	do
3/6/55	00:13:51	E-W (M-S)		4.3		3	record missing		~3.8			kl mer	mod-Pahoa		VL 527, p. 5	e rift Kalalua
3/6/55	00:13:51	N-S (M-S)		4.3		3	unusable-high microseism-storm?		~3.8			do	do	do	do	do
3/6/55	00:13:51	SP E-W (N-L)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	00:13:51	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	00:22:08	E-W (M-S)		4.3		3	no trace		>4.0			kl mer	rong-pahoa		closer to Pahoa?; VL 527, p. 5	e rift Kalalua
3/6/55	00:22:08	N-S (M-S)		4.3		3	unusable record		>4.0			do	do	do	do	do
3/6/55	00:22:08	SP E-W (N-L)		4.3		3	no trace		>4.0			do	do	do	do	do
3/6/55	00:22:08	SP Vert (SPN)		4.3		3	no trace		>4.0			do	do	do	do	do
3/6/55	02:11:23	E-W (M-S)		4.3		3	record missing		~3.8			kl mer	mod-Pahoa		VL 527, p. 5	e rift Kalalua
3/6/55	02:11:23	N-S (M-S)		4.3		3	unusable-high microseism-storm?		~3.8			do	do	do	do	do
3/6/55	02:11:23	SP E-W (N-L)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	02:11:23	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	03:59:08	E-W (M-S)		4.3		3	record missing		~3.8			kl mer	mod-Pahoa		VL 527, p. 5	e rift Kalalua
3/6/55	03:59:08	N-S (M-S)		4.3		3	unusable-high microseism-storm?		~3.8			do	do	do	do	do
3/6/55	03:59:08	SP E-W (N-L)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	03:59:08	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	15:24:47	E-W (M-S)		4.3		3	record missing		~3.8			kl mer	mod-Pahoa		VL 527, p. 5	e rift Kalalua; assume slight at Whitney (VL 527, p. 4, table); M (Whitney) = 3.65-4.13
3/6/55	15:24:47	N-S (M-S)		4.3		3	unusable-high microseism-storm?		~3.8			do	do	do	do	do
3/6/55	15:24:47	SP E-W (N-L)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	15:24:47	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/6/55	21:45:06	E-W (M-S)		4.3		3	no trace		>4.0			kl mer	rong-pahoa		closer to Pahoa?; VL 527, p. 6	e rift Kalalua; assume moderate at Whitney (VL 527, p. 4, table); M (Whitney) = 4.13-4.65; preferred mag minimum consistent with Hon, Pahoa and Whitney
3/6/55	21:45:06	N-S (M-S)		4.3		3	no trace		>4.0			do	do	do	do	do
3/6/55	21:45:06	SP E-W (N-L)		4.3		3	no trace		>4.0			do	do	do	do	do
3/6/55	21:45:06	SP Vert (SPN)		4.3		3	no trace		>4.0			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/8/55	08:21:31	E-W (M-S)	19.0	4.3	8.0	3		5.23	>4.3	5.40	catalog	kl mer sf	rong-Pahoa	V (W&K); IV (S&C)	strong at Whitney (M>4.92); location corrected to south coast of Kilauea 2 mi w of Kalapana (Macdonald and Eaton, 1964, p.146); VL 527, p. 6; detailed felt reports given in HVO unpub; mag not given in VL	near Heiheiahulu; felt-s half Hawaii island; assume strong at Whitney (VL 527, p. 4, table); M (Whitney) >4.92; Note: a second strong quake listed in table on p. 4 inconsistent with Hon data; preferred mag average of Honolulu and HVO
3/8/55	08:21:31	N-S (M-S)	18.0	4.3	6.0	3	film time 8:23	5.20	>4.3	5.40	catalog	do	do	do	do	do
3/8/55	08:21:31	SP E-W (N-L)	25.0	4.3	4.0	3		5.35	>4.3	5.40	catalog	do	do	do	do	do
3/8/55	08:21:31	SP Vert (SPN)	8.5	4.3	1.5	1.5		5.23	>4.3	5.40	catalog	do	do	do	do	do
3/8/55	08:43:50	E-W (M-S)		4.3		3	no record		~3.8			kl mer sf	slight-Uwe	IV	assume feeble at Whitney (VL 527, p. 4, table); M (Whitney) = 3.33-3.92; location corrected to south coast of Kilauea 2 mi w of Kalapana (Macdonald and Eaton, 1964, p.146); VL 527, p. 6; HVO unpub	near Heiheiahulu; felt-Pahoa, Hilo, hnp; Hilo-felt by few, rapid and weak, doors rattled, felt in bed as sharp jolt
3/8/55	08:43:50	N-S (M-S)		4.3		3	no trace		~3.8			do	do	do	do	do
3/8/55	08:43:50	SP E-W (N-L)	1.0	4.3		3	signal:noise ~.5	3.95	~3.8			do	do	do	do	do
3/8/55	08:43:50	SP Vert (SPN)		4.3		3	no trace		~3.8			do	do	do	do	do
3/8/55	08:57:38	E-W (M-S)	0.8	4.3	1.5	1.5	no trace; threshold mag	4.42	>4.3			kl mer sf	rong-Pahoa	IV	Honolulu amplitude average of two readings; strong at Whitney (VL 527, p. 4, table) yields M>4.92, slight?; location corrected to south coast of Kilauea 2 mi w of Kalapana (Macdonald and Eaton, 1964, p.146); closer to Pahoa?; VL 527, p. 6; HVO unpub	near Heiheiahulu; felt-Pahoa, Hilo, hnp, Capt. cook; Hilo-III, felt by many, slow and moderate, dur 15 sec, windows, doors, dishes rattled; Capt. Cook (23:00)-II, v slight vibration, similar to 2225 quake but shorter and lighter, no window rattle
3/8/55	08:57:38	N-S (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	>4.3			do	do	do	do	do
3/8/55	08:57:38	SP E-W (N-L)	2.0	4.3	1.0	1	signal:noise ~1	4.25	>4.3			do	do	do	do	do
3/8/55	08:57:38	SP Vert (SPN)	0.3	4.3	1.0	1	noise 0.4mm, 1s	3.78	>4.3			do	do	do	do	do
3/8/55	08:57:38	E-W (M-S)		4.3			no repeat		>4.3			do	do	do	do	do
3/8/55	08:57:38	N-S (M-S)		4.3			no repeat		>4.3			do	do	do	do	do
3/8/55	08:57:38	SP E-W (N-L)	2.2	4.3	1.0	1	repeat; noise 1.0mm, 1s	4.29	>4.3			do	do	do	do	do
3/8/55	08:57:38	SP Vert (SPN)		4.3			no repeat		>4.3			do	do	do	do	do
3/8/55	09:32:41	E-W (M-S)		4.3		3	no record		>4.3			kl mer sf	rong-Pahoa	III	closer to Pahoa?; assume feeble at Whitney (VL 527, p. 4, table); M (Whitney) = 3.33-3.92; location corrected to south coast of Kilauea 2 mi w of Kalapana (Macdonald and Eaton, 1964, p.146); VL 527, p. 6 ; HVO unpub	near Heiheiahulu; felt-Pahoa, Hilo, hnp; Hilo-felt by few, slow and weak, door rattled, felt in bed, slightly, just one jolt; preferred mag average of Pahoa and Whitney
3/8/55	09:32:41	N-S (M-S)		4.3		3	no trace		>4.3			do	do	do	do	do
3/8/55	09:32:41	SP E-W (N-L)		4.3		3	detected?-signal:noise <.5		>4.3			do	do	do	do	do
3/8/55	09:32:41	SP Vert (SPN)		4.3		3	no trace		>4.3			do	do	do	do	do
3/27/55	19:23:43	E-W (M-S)		4.2		3	no trace		>3.4			kl cal 0-5	strong	felt	VL 527, p. 6	Kilauea crater; felt-volcano
3/27/55	19:23:43	N-S (M-S)		4.2		3	no trace		>3.4			do	do	do	do	do
3/27/55	19:23:43	SP E-W (N-L)		4.2		3	no trace		>3.4			do	do	do	do	do
3/27/55	19:23:43	SP Vert (SPN)		4.2		3	no trace		>3.4			do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/28/55	02:02:20	E-W (M-S)		4.2		3	no trace		>3.4			kl cal 05-10?	strong	VI; VI (S&C); VII (W&K)	VL 527, p. 6; HVO unpub; HTH, Mar. 28, 1955	Kilauea crater; felt strongly-volcano, hnp; water lines broken and road cracks in hnp; hnp/volcano-felt strongly, broke waterlines, cracked road; Warshauer notes: repeats VL
3/28/55	02:02:20	N-S (M-S)		4.2		3	no trace		>3.4			do	do	do	do	do
3/28/55	02:02:20	SP E-W (N-L)		4.2		3	no trace		>3.4			do	do	do	do	do
3/28/55	02:02:20	SP Vert (SPN)		4.2		3	no trace		>3.4			do	do	do	do	do
3/30/55	23:41:31	E-W (M-S)		4.15			no trace					ml swr	m (naalehu)		closer to Naalehu?; VL 527, p. 6	
3/30/55	23:41:31	N-S (M-S)		4.15			no trace					do	do		do	
3/30/55	23:41:31	SP E-W (N-L)		4.15			no trace					do	do		do	
3/30/55	23:41:31	SP Vert (SPN)		4.15			no trace					do	do		do	
4/1/55	14:24:28	E-W (M-S)	8.5	4.2	7.0	3		4.78	>4.5	5.20	catalog	kl cal deep	strong-uwe	V; V (W&K; S&C)	depth changed to 30 km in accordance with similar felt reports over a broad area of Hawaii island; VL 528, p. 5; HVO unpub; HTH, Apr. 1, 1955; mag not published in VL; preferred mag average of Honolulu and HVO	south rim of Kilauea crater; felt generally-Hawaii island; few on Maui, Oahu; detailed felt reports in HVO unpub; Warshauer notes: Hilo, Kona seismometers dismantled; felt Kona, Kau, Hilo. Pahoa, volcano, Glenwood-Mt. view; objects off shelves at Kapapala
4/1/55	14:24:28	N-S (M-S)	8.0	4.2	7.0	3		4.75	>4.5	5.20	catalog	do	do	do	do	do
4/1/55	14:24:28	SP E-W (N-L)	43.0	4.2	2.0	2		5.33	>4.5	5.20	catalog	do	do	do	do	do
4/1/55	14:24:28	SP Vert (SPN)	12.0	4.2	1.5	1.5		5.13	>4.5	5.20	catalog	do	do	do	do	do
4/7/55	11:27:22	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	3.4-3.9			kl cal deep	slight-uwe		Honolulu amplitude average of two readings; VL 528, p. 5	Hilina pali
4/7/55	11:27:22	N-S (M-S)	0.3	4.2	1.5	1.5	no trace; threshold mag	3.90	3.4-3.9			do	do	do	do	do
4/7/55	11:27:22	SP E-W (N-L)	4.0	4.2	1.0	1		4.30	3.4-3.9			do	do	do	do	do
4/7/55	11:27:22	SP Vert (SPN)	0.5	4.2	1.0	1	no trace; threshold mag	3.75	3.4-3.9			do	do	do	do	do
4/7/55	11:27:22	E-W (M-S)		4.2			no repeat		3.4-3.9			do	do	do	do	do
4/7/55	11:27:22	N-S (M-S)		4.2			no repeat		3.4-3.9			do	do	do	do	do
4/7/55	11:27:22	SP E-W (N-L)	3.2	4.2	1.0	1	repeat	4.21	3.4-3.9			do	do	do	do	do
4/7/55	11:27:22	SP Vert (SPN)		4.2			no repeat		3.4-3.9			do	do	do	do	do
4/12/55	18:25:44	E-W (M-S)		4.2		3	no trace		2.9-3.4			kl cal 0-5	moderate	felt	VL 528, p. 5	e rim Kilauea crater; felt-hnp
4/12/55	18:25:44	N-S (M-S)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
4/12/55	18:25:44	SP E-W (N-L)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
4/12/55	18:25:44	SP Vert (SPN)		4.2		3	no trace		2.9-3.4			do	do	do	do	do
4/22/55	15:47:16	E-W (M-S)		4.3		3	no trace		~3.4			kl ler	mod-Pahoa	III	assume 6 km from Pahoa; VL 528, p. 5; HTH, Apr. 22, 1955	e rift near Pahoa; Warshauer notes: dismantled Pahoa seismograph at 5:57 a.m. [time off?], first time since eruption stopped two weeks ago.
4/22/55	15:47:16	N-S (M-S)		4.3		3	no trace		~3.4			do	do	do	do	do
4/22/55	15:47:16	SP E-W (N-L)		4.3		3	no trace		~3.4			do	do	do	do	do
4/22/55	15:47:16	SP Vert (SPN)		4.3		3	no trace		~3.4			do	do	do	do	do
4/23/55	17:33:51	E-W (M-S)		4.20		3	no trace					kaoiki	mod-ml	felt	VL 528, p. 5; HVO, unpub	10 km n of halfway house; felt-Hilo, hnp,; Hilo-felt by two;-felt by one
4/23/55	17:33:51	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
4/23/55	17:33:51	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
4/23/55	17:33:51	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/24/55	19:06:19	E-W (M-S)		4.20		3	no trace					kaoiki	slight-uwe	felt	VL 528, p. 5	5 km n of halfway house; felt-Hilo, Pahoa, volcano
4/24/55	19:06:19	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
4/24/55	19:06:19	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
4/24/55	19:06:19	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
5/9/55	02:01:57	E-W (M-S)		4.25		3	no trace		~3.9			kl kuer sf	mod-uwe	felt	VL 528, p. 5; HVO unpub	Puu Kapukapu, felt-Pahoa,; Pahoa-felt;-felt; Hilo-felt, moderate
5/9/55	02:01:57	N-S (M-S)		4.25		3	no trace		~3.9			do	do	do	do	do
5/9/55	02:01:57	SP E-W (N-L)		4.25		3	no trace		~3.9			do	do	do	do	do
5/9/55	02:01:57	SP Vert (SPN)		4.25		3	no trace		~3.9			do	do	do	do	do
6/6/55	3:02:11	E-W (M-S)		4.20		3	no trace					hilea deep	vf-naalehu		VL 528, p. 5	felt at Pahala
6/6/55	3:02:11	N-S (M-S)		4.20		3	no trace					do	do		do	do
6/6/55	3:02:11	SP E-W (N-L)		4.20		3	no trace					do	do		do	do
6/6/55	3:02:11	SP Vert (SPN)		4.20		3	no trace					do	do		do	do
6/13/55	7:15:56	E-W (M-S)		4.20		3	no trace					kaoiki	slight-ml	IV	VL 528, p. 5; HVO, unpub	near ml seismometer; felt-Pahala,, volcano; preferred magnitude calculated as average of Honolulu and nomogram; hnp-felt;-felt by several; Pahala-V, rattled windows, not of long duration
6/13/55	7:15:56	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
6/13/55	7:15:56	SP E-W (N-L)	0.3	4.20		3	detected	2.94				do	do	do	do	do
6/13/55	7:15:56	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
6/15/55	0:29:35	E-W (M-S)		4.20		3	no trace					kaoiki	slight-ml	felt	VL 528, p. 5	near ml seismometer; felt-Pahala,, volcano; preferred magnitude calculated as average of Honolulu and nomogram; no felt report
6/15/55	0:29:35	N-S (M-S)		4.20		3	no trace					do	do	do	do	do
6/15/55	0:29:35	SP E-W (N-L)		4.20		3	no trace					do	do	do	do	do
6/15/55	0:29:35	SP Vert (SPN)		4.20		3	no trace					do	do	do	do	do
7/23/55	21:27:16	E-W (M-S)		4.3		3	no trace		~3.7			kl mer	mod-uwe	felt	VL 529-530, p. 12; HVO unpub	just s of Makaopuhi crater, felt-Hilo; Hilo-felt by several
7/23/55	21:27:16	N-S (M-S)		4.3		3	no trace		~3.7			do	do	do	do	do
7/23/55	21:27:16	SP E-W (N-L)		4.3		3	no trace		~3.7			do	do	do	do	do
7/23/55	21:27:16	SP Vert (SPN)		4.3		3	no trace		~3.7			do	do	do	do	do
7/24/55	08:03:17	E-W (M-S)		4.3		3	no trace		~3.4			kl ler	mod-Pahoa		assume 6 km from Pahoa; VL 529-530, p. 12	e rift near Pahoa
7/24/55	08:03:17	N-S (M-S)		4.3		3	no trace		~3.4			do	do	do	do	do
7/24/55	08:03:17	SP E-W (N-L)		4.3		3	no trace		~3.4			do	do	do	do	do
7/24/55	08:03:17	SP Vert (SPN)		4.3		3	no trace		~3.4			do	do	do	do	do
7/27/55	12:58:00	E-W (M-S)		3.95		3	no trace					hualalai	slight-kona	IV	VL 529-530, p. 12; HVO, unpub	Keahole pt; felt-NW 1/3 Hawaii island; Kealakekua-III, Kainaliu-v light, shook more in s Kona; Capt. Cook-III, jerk, then slight sway; Kamuela-V, slight/short, rattled windows; Kalahiki-II; preferred magnitude calculated as average of Honolulu and nomogra
7/27/55	12:58:00	N-S (M-S)		3.95		3	no trace					do	do	do	do	do
7/27/55	12:58:00	SP E-W (N-L)	1.0	3.95	1.0	1		3.53				do	do	do	do	do
7/27/55	12:58:00	SP Vert (SPN)		3.95		3	no trace					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/7/55	17:17:44	E-W (M-S)	8.5	3.85	1.0	1		5.33				kohala	st-kamuela	V; V (S&C)	VL 529-530, p. 12; additional felt reports in HVO, unpub	5 km NE of Kamuela; felt-entire Hawaii island, Maui, Oahu; Hilo-II, felt by many awake, weak, dur 3 sec, windows rattled; Kealakekua-V, buildings/windows shook; Olaa-gentle rolling; volcano-several felt; Pahala/Hakalau-good jolt;-strongest in 15 yr
8/7/55	17:17:44	N-S (M-S)	7.0	3.85	1.0	1		5.25				do	do	do	do	do
8/7/55	17:17:44	SP E-W (N-L)		3.85		3	unreadable-light trace					do	do	do	do	do
8/7/55	17:17:44	SP Vert (SPN)	19.0	3.85		3	difficult to read peak amplitude; s-p = 29 s	5.06				do	do	IV	VL 529-530, p. 12; HVO, unpub	SW rift near Puu; felt-SW half Hawaii island; Kapapala-felt strongly; felt quite strongly; Kalapana-felt; hnp felt; Kalahiki-III
8/14/55	12:28:05	E-W (M-S)	13.0	4.3	1.0	1	duration = 220 s	5.97	>4.6	6.00	catalog	kl cal deep	trong (uwe)	VI; VI (S&C)	Isoseismal map in W&K; VL 529-530, p. 12; HVO unpub; HTH, Aug. 14, 1955; HVO mag not published; preferred mag calculated as average of Hon, HVO and W&K	Hilina fault s of HVO; felt over entire island of Hawaii, on Maui, Oahu and by a few persons on Kauai; detailed felt report in HVO unpub; Warshauer notes: dur 5 min, felt only few sec; cracked paint, plaster fall, articles from shelves at Kapapala
8/14/55	12:28:05	N-S (M-S)	18.0	4.3	0.8	1	minimum amp; per = 0.5-1	6.11	>4.6	6.00	catalog	do	do	do	do	do
8/14/55	12:28:05	SP E-W (N-L)	50.0	4.3		3	minimum amp; duration = 295 s	5.50	>4.6	6.00	catalog	do	do	do	do	do
8/14/55	12:28:05	SP Vert (SPN)	38.0	4.3		3	minimum amp; duration = 260 s	5.73	>4.6	6.00	catalog	do	do	do	do	do
9/26/55	12:16:00	E-W (M-S)		4.15		3	no trace					ml swr	st-naalehu	IV	VL 529-530, p. 12; HVO, unpub	SW rift near Puu; felt-SW half Hawaii island; Kapapala-felt strongly; felt quite strongly; Kalapana-felt; hnp felt; Kalahiki-III
9/26/55	12:16:00	N-S (M-S)		4.15		3	no trace					do	do	do	do	do
9/26/55	12:16:00	SP E-W (N-L)	6.0	4.15	1.0	1		4.35				do	do	do	do	do
9/26/55	12:16:00	SP Vert (SPN)	1.0	4.15	1.0	1		3.92				do	do	do	do	do
10/25/55	3:16:53	E-W (M-S)		3.85		3	no trace					kohala	slight-kamuela	IV	VL 529-530, p. 13; HVO, unpub	near Kamuela; Kamuela-IV, slight rumble, very moderate, dur 3-5 sec, buildings shook, rattled windows; Umikoa-felt
10/25/55	3:16:53	N-S (M-S)		3.85		3	no trace					do	do	do	do	do
10/25/55	3:16:53	SP E-W (N-L)		3.85		3	no trace					do	do	do	do	do
10/25/55	3:16:53	SP Vert (SPN)		3.85		3	no trace					do	do	do	do	do
10/27/55	2:55:45	E-W (M-S)	7.0	4.10	5.0	3	alt reading 5.5mm, 3s not chosen	4.59				ml mok	strong-ml	V (W&K)	VL 529-530, p. 13; HVO, unpub	NE end of Mokuaweoweo; felt-hnp; volcano-felt throughout, gentle slow motion of dur 30 sec
10/27/55	2:55:45	N-S (M-S)	5.0	4.10	3.0	3		4.45				do	do	do	do	do
10/27/55	2:55:45	SP E-W (N-L)	12.0	4.10	1.5	1.5		4.60				do	do	do	do	do
10/27/55	2:55:45	SP Vert (SPN)	5.0	4.10	1.5	1.5	alt reading 3mm, 1s not chosen	4.57				do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
11/2/55	20:36:44	E-W (M-S)		4.25		3	no trace		2.6-3.0			kl cal deep	slight-uwe	felt	mag agreement ok with felt reports if assume 30 km rather than 15 km depth; VL 529-530, p. 13; HVO unpub	e rift near Kilauea crater; felt-volcano, Pahoa, Hilo; Hilo-felt by several, rapid, moderate, dur 2 sec, house creaked, rattling of windows and small objects; Pahoa-felt strongly; volcano-felt
11/2/55	20:36:44	N-S (M-S)		4.25		3	no trace		2.6-3.0			do	do	do	do	do
11/2/55	20:36:44	SP E-W (N-L)		4.25		3	no trace		2.6-3.0			do	do	do	do	do
11/2/55	20:36:44	SP Vert (SPN)		4.25		3	no trace		2.6-3.0			do	do	do	do	do
11/13/55	18:16:00	E-W (M-S)		4.05			no trace					kona	st (kona)	IV	VL 529-530, p. 13; HVO, unpub	near Kealakekua; felt-central Kona; Kalahiki-III; Kealakekua-quite strong and long, followed by light shake 2 min after, not felt at Honokahau; Capt. Cook-v strong, start w sharp waves, followed by 2nd, light
11/13/55	18:16:00	N-S (M-S)	0.6	4.05	2.0	1.5	no trace; threshold mag	4.05				do	do	do	do	do
11/13/55	18:16:00	SP E-W (N-L)		4.05			lost in record change					do	do	do	do	do
11/13/55	18:16:00	SP Vert (SPN)	0.5	4.05	1.0	1	no trace; threshold mag	3.49				do	do	do	do	do
12/27/55	0:23:34	E-W (M-S)	3.0	3.10	0.5	1	high frequency trace	4.13				molokai	vf-felt (haleakala)	felt	VL 529-530, p. 13	n coast of Molokai; felt-Oahu; preferred mag is average of Honolulu readings with Milne-Shaw given half weight
12/27/55	0:23:34	N-S (M-S)	4.0	3.10	0.5	1	high frequency trace	4.26				do	do	do	do	do
12/27/55	0:23:34	SP E-W (N-L)	15.0	3.10	0.5	1		3.25				do	do	do	do	do
12/27/55	0:23:34	SP Vert (SPN)	6.0	3.10	1.0	1	deep??	3.20				do	do	do	do	do
3/4/56	07:49:35	E-W (M-S)	0.7	4.25	1.5	1.5	no trace; threshold mag	4.32	3.9-4.4	4.00	catalog	kl kuer sf	moderate	IV	Macdonald and Eaton, 1956a; HVO unpub	10 km s of Kilauea crater; felt-hnp, Olaa, Hilo; hnp/volcano-felt generally; Olaa-felt; Hilo-felt; Keauhou ranch-felt strongly; Hilo-II to III, felt by many, rapid, weak, dur 4 sec, windows rattled
3/4/56	07:49:35	N-S (M-S)		4.25		3	no record		3.9-4.4	4.00	catalog	do	do	do	do	do
3/4/56	07:49:35	SP E-W (N-L)	0.9	4.25	1.5	1.5	no trace; threshold mag	3.85	3.9-4.4	4.00	catalog	do	do	do	do	do
3/4/56	07:49:35	SP Vert (SPN)		4.25		3	no record		3.9-4.4	4.00	catalog	do	do	do	do	do
3/10/56	11:58:07	E-W (M-S)	0.4	4.10	1.5	1.5	no trace; threshold mag	3.92				mauna kea os	s-felt (hilo)	felt	average of two readings; Macdonald and Eaton, 1956a ; HVO, unpub	offshore 20 km ENE of Hilo; felt-Hilo, Glenwood; felt in Glenwood and by several in Hilo; preferred mag average of Honolulu and nomogram
3/10/56	11:58:07	N-S (M-S)	0.4	4.10	1.5	1.5	no trace; threshold mag	3.92				do	do	do	do	do
3/10/56	11:58:07	SP E-W (N-L)	7.0	4.10	1.0	1		4.37				do	do	do	do	do
3/10/56	11:58:07	SP Vert (SPN)	0.4	4.10	1.0	1	no trace; threshold mag	3.47				do	do	do	do	do
3/10/56	11:58:07	E-W (M-S)		4.10			no repeat					do	do	do	do	do
3/10/56	11:58:07	N-S (M-S)		4.10			no repeat					do	do	do	do	do
3/10/56	11:58:07	SP E-W (N-L)	4.5	4.10	1.0	1	repeat	4.17				do	do	do	do	do
3/10/56	11:58:07	SP Vert (SPN)		4.10			no repeat					do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
4/16/56	5:09:20	E-W (M-S)		3.85			no trace					kohala os	m (kamuela)	IV	Macdonald and Eaton, 1956b; additional felt reports in HVO, unpub	20 km NNW of Keahole pt; felt-; Kealakekua-V, very fast and quite strong; Kukuihaele-IV, shook buildings, also felt in; Hakalau-not strong, house shook; preferred magnitude calculated as average of nomogram and Honolulu
4/16/56	5:09:20	N-S (M-S)		3.85			no trace					do	do	do	do	do
4/16/56	5:09:20	SP E-W (N-L)	3.5	3.85	0.5	1	detected	3.97				do	do	do	do	do
4/16/56	5:09:20	SP Vert (SPN)		3.85			no trace					do	do	do	do	do
5/14/56	7:53:36	E-W (M-S)	6.0	3.94	3.0	3		4.37				maui east	m (kamuela)	V; V (S&C)	Latitude given as 20°17' [misprint?]; Macdonald and Eaton, 1956b; HVO, unpub; HVO magnitude not published	felt-hnp to Honolulu, Oahu; Kamuela-V, dur 3 sec, vigorous shaking of house, gradual diminishing; hnp-felt by few; volcano-felt by one; preferred mag average of Honolulu (wt 2) HVO, and nomogram
5/14/56	7:53:36	N-S (M-S)	4.0	3.94	1.5	1.5		4.76				do	do	do	do	do
5/14/56	7:53:36	SP E-W (N-L)	24.0	3.94	1.0	1	light trace	4.29				do	do	do	do	do
5/14/56	7:53:36	SP Vert (SPN)	6.0	3.94	1.5	1.5		4.04				do	do	do	do	do
5/28/56	1:41:00	E-W (M-S)	3.5	4.20	8.0	3	shallow	4.39				kaoiki	strong-ml	IV	Macdonald and Eaton, 1956b; HVO, unpub	5 km n of Ainapo; felt strongly-Kapapala; also from Kealakekua to Hilo; Hilo-II, felt by several, rapid, short, dur 2 sec, windows/doors rattled; Kapapala, sharp vertical bump followed by jiggling; volcano-jolt followed by sway; Hilo-felt slightly
5/28/56	1:41:00	N-S (M-S)	2.0	4.20	4.0	3		4.15				do	do	do	do	do
5/28/56	1:41:00	SP E-W (N-L)	7.0	4.20	1.0	1		4.31				do	do	do	do	do
5/28/56	1:41:00	SP Vert (SPN)	2.0	4.20	1.0	1		4.11				do	do	do	do	do
6/15/56	1:09:55	E-W (M-S)	0.6	4.05	2.0	2	no trace; threshold mag	3.81				kona	st (kona)	III	Macdonald and Eaton, 1956b; HVO, unpub	several km n of Kealakekua; felt-all Kona to hnp; Kealakekua-strong, pictures in house all tilted mauka and makai; preferred mag average of Honolulu and nomogram
6/15/56	1:09:55	N-S (M-S)		4.05								do	do	do	do	do
6/15/56	1:09:55	SP E-W (N-L)	1.3	4.05	1.0	1		3.55				do	do	do	do	do
6/15/56	1:09:55	SP Vert (SPN)	1.0	4.05	1.0	1	no trace; threshold mag	3.79				do	do	do	do	do
6/25/56	1:30:59	E-W (M-S)		4.20		3	no trace					kaoiki	slight-ml		Macdonald and Eaton, 1956b	near ml seismometer
6/25/56	1:30:59	N-S (M-S)		4.20		3	no trace					do	do		do	do
6/25/56	1:30:59	SP E-W (N-L)		4.20		3	no trace					do	do		do	do
6/25/56	1:30:59	SP Vert (SPN)		4.20		3	no trace					do	do		do	do
6/25/56	1:31:38	E-W (M-S)		4.20		3	no trace					do	do		do	do
6/25/56	1:31:38	N-S (M-S)		4.20		3	no trace					do	do		do	do
6/25/56	1:31:38	SP E-W (N-L)		4.20		3	no trace					do	do		do	do
6/25/56	1:31:38	SP Vert (SPN)		4.20		3	no trace					do	do		do	do
7/26/56	11:40:45	E-W (M-S)		4.15		3	no trace					ml swr	mod-naalehu	felt	assume 5 km depth; Eaton and Fraser, 1956a	SW rift; 5 km SW of Puu; felt-Kona; preferred magnitude calculated as average of nomogram and Honolulu

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
7/26/56	11:40:45	N-S (M-S)		4.15		3	detected					do	do	do	do	do
7/26/56	11:40:45	SP E-W (N-L)	1.5	4.15	1.0	1		3.75				do	do	do	do	do
7/26/56	11:40:45	SP Vert (SPN)		4.15		3	no trace					do	do	do	do	do
8/4/56	01:36:28	E-W (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	3.5-4.0	3.50	catalog	kl cal deep	slight-uwe		Eaton and Fraser, 1956a	Kilauea Iki
8/4/56	01:36:28	N-S (M-S)	0.4	4.2	1.5	1.5	no trace; threshold mag	4.02	3.5-4.0	3.50	catalog	do	do	do	do	do
8/4/56	01:36:28	SP E-W (N-L)	1.0	4.2	1.0	1	no trace; threshold mag	3.70	3.5-4.0	3.50	catalog	do	do	do	do	do
8/4/56	01:36:28	SP Vert (SPN)	0.6	4.2	1.0	1	no trace; threshold mag	3.83	3.5-4.0	3.50	catalog	do	do	do	do	do
8/7/56	17:05:00	E-W (M-S)	5.0	2.85	1.0	1		4.10				molokai os		IV (Cox)	not recorded at Whitney vault	felt-Oahu
8/7/56	17:05:00	N-S (M-S)	5.0	2.85	1.0	1		4.10				do			do	do
8/7/56	17:05:00	SP E-W (N-L)		2.85			offscale-no reading; s-p 9s (distance = 72 km)					do			do	do
8/7/56	17:05:00	SP Vert (SPN)	11.0	2.85	1.0	1		3.72				do			do	do
9/7/56	18:15:06	E-W (M-S)	0.6	4.20	1.5	1.5	no trace; threshold mag	4.20				mauna loa deep	slight-uwe		Honolulu data average of two readings; Eaton and Fraser, 1956a	Kaoiki fault near halfway house
9/7/56	18:15:06	N-S (M-S)		4.20		3	record being changed					do	do		do	do
9/7/56	18:15:06	SP E-W (N-L)	1.0	4.20	1.0	1		3.46				do	do		do	do
9/7/56	18:15:06	SP Vert (SPN)		4.20		3	record being changed					do	do		do	do
9/7/56	18:15:06	E-W (M-S)		4.20			no repeat					do	do		do	do
9/7/56	18:15:06	N-S (M-S)		4.20		3	no repeat					do	do		do	do
9/7/56	18:15:06	SP E-W (N-L)	2.4	4.20	1.0	1	repeat	3.84				do	do		do	do
9/7/56	18:15:06	SP Vert (SPN)		4.20		3	no repeat					do	do		do	do
9/26/56	10:43:37	E-W (M-S)	0.5	4.25	1.5	1.5	no trace; threshold mag	4.17	3.8-4.3	3.50	catalog	kl mer sf deep	slight	III	depth changed from appearance of records at uwe and outlet-kcaldeep?; Eaton and Fraser, 1956a; HVO unpub	15 km SW of Kalapana, felt-Hilo; Hilo (time 01:43-daylight savings?)-small sharp quake of short duration
9/26/56	10:43:37	N-S (M-S)	0.3	4.25	1.5	1.5	no trace; threshold mag	3.95	3.8-4.3	3.50	catalog	do	do	do	do	do
9/26/56	10:43:37	SP E-W (N-L)	0.8	4.25	1.5	1.5	no trace; threshold mag	3.80	3.8-4.3	3.50	catalog	do	do	do	do	do
9/26/56	10:43:37	SP Vert (SPN)	0.5	4.25	1.0	1	no trace; threshold mag	3.95	3.8-4.3	3.50	catalog	do	do	do	do	do
10/16/56	10:44:55	E-W (M-S)	40.0	4.00	7.0	3		5.25				kona os	strong-kona	V (S&C); IV (hilo, kona)	assume 5 km depth (too shallow to fit felt reports?); Eaton and Fraser, 1956b [magnitude given to S&C not published]; HVO, unpub	45 km w of Kailua, Kona; felt-all Hawaii island, Oahu; extensive felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu (wt 2) and HVO
10/16/56	10:44:55	N-S (M-S)	24.0	4.00	6.0	3		5.03				do	do	do	do	do
10/16/56	10:44:55	SP E-W (N-L)		4.00		3	light trace-high amplitude-unreadable					do	do	do	do	do
10/16/56	10:44:55	SP Vert (SPN)	25.0	4.00	1.0	1	s-p = 27 s	5.14				do	do	do	do	do
10/17/56	3:31:24	E-W (M-S)	1.5	4.00	1.0	1		4.73				kona os	s-felt (kona)	IV	aftershock; Eaton and Fraser, 1956b; HVO, unpub	felt-Kona; Kealakekua-very slight; Capt. Cook-III, steady vibration, dur 7 sec, rumble, similar to earlier one but shorter and weaker, persons outside heard iron roofing clanking/jiggling; Keapu/Holualoa, short steady shock, not strong
10/17/56	3:31:24	N-S (M-S)	0.8	4.00	1.0	1		4.46				do	do	do	do	do
10/17/56	3:31:24	SP E-W (N-L)	14.0	4.00	1.0	1	light trace; min amp	4.54				do	do	do	do	do
10/17/56	3:31:24	SP Vert (SPN)	3.5	4.00	1.0	1		4.28				do	do	do	do	do
10/25/56	17:05:14	E-W (M-S)	0.4	4.2	1.5	1.5	no trace; threshold mag	4.02	3.5-4.0	3.50	catalog	kl cal deep	slight-uwe		Honolulu amplitude average of two readings; Eaton and Fraser, 1956b-M3.5; low?	near Kilauea crater

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
10/25/56	17:05:14	N-S (M-S)	0.4	4.2	1.5	1.5	no trace; threshold mag	4.02	3.5-4.0	3.50	catalog	do	do	do	do	do
10/25/56	17:05:14	SP E-W (N-L)	1.7	4.2	1.0	1		3.93	3.5-4.0	3.50	catalog	do	do	do	do	do
10/25/56	17:05:14	SP Vert (SPN)	0.5	4.2	1.0	1	no trace; threshold mag	3.75	3.5-4.0	3.50	catalog	do	do	do	do	do
10/25/56	17:05:14	E-W (M-S)		4.2			no repeat		3.5-4.0	3.50	catalog	do	do	do	do	do
10/25/56	17:05:14	N-S (M-S)		4.2			no repeat		3.5-4.0	3.50	catalog	do	do	do	do	do
10/25/56	17:05:14	SP E-W (N-L)	2.0	4.2	1.0	1	repeat	4.00	3.5-4.0	3.50	catalog	do	do	do	do	do
10/25/56	17:05:14	SP Vert (SPN)		4.2			no repeat		3.5-4.0	3.50	catalog	do	do	do	do	do
1/7/57	22:54:15	E-W (M-S)		4.20		3	no trace			4.3	hvo	kaoiki	moderate (ml)	IV	7 km e of Anipeahi; assume 5 km depth; Eaton and Fraser, 1957a; additional felt reports in HVO, unpub	felt-hnp to Kona; hnp/volcano-slight quake, felt by several; Capt. Cook-IV, not felt driving car, felt by most standing or sitting indoors; stronger in s Kona than n Kona; preferred magnitude calculated as average of Honolulu and nomogram
1/7/57	22:54:15	N-S (M-S)		4.20		3	no trace			4.3	hvo	do	do	do	do	do
1/7/57	22:54:15	SP E-W (N-L)	2.0	4.20	1.0	1		3.76		4.3	hvo	do	do	do	do	do
1/7/57	22:54:15	SP Vert (SPN)		4.20		3	no trace			4.3	hvo	do	do	do	do	do
1/23/57	4:35:24	E-W (M-S)		4.05		3	no trace			4.3	hvo	kona	slight-kona	IV	central Kona; assume 5 km depth; farther from Kona seismometer?; Eaton and Fraser, 1957a; HVO, unpub	felt-central Kona; Kealakekua-very slight; Capt. Cook-III, "rumble the jar", a pause, then jiggly jolt from Kau-Kohala direction, other reports from area similar, short, windows rattled; preferred magnitude calculated as average of Honolulu and nomogram
1/23/57	4:35:24	N-S (M-S)		4.05		3	no trace			4.3	hvo	do	do	do	do	do
1/23/57	4:35:24	SP E-W (N-L)		4.05		3	noisy record			4.3	hvo	do	do	do	do	do
1/23/57	4:35:24	SP Vert (SPN)		4.05		3	no trace			4.3	hvo	do	do	do	do	do
2/12/57	00:03:24	E-W (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	3.7-4.2	4.00	hvo	kl kuer sf	uwekahuna	IV	HTL high; Eaton and Fraser, 1957a; HVO unpub	7 km w of Apua pt, felt-hnp, Kona; hnp-sharp jolt like car striking house, also felt at volcano; Capt. Cook-II, gentle, quick jiggle, dur >7 sec, prob 12-15 sec, pheasants cackling, felt lightly by few
2/12/57	00:03:24	N-S (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	3.7-4.2	4.00	hvo	do	do	do	do	do
2/12/57	00:03:24	SP E-W (N-L)		4.25		3	record missing		3.7-4.2	4.00	hvo	do	do	do	do	do
2/12/57	00:03:24	SP Vert (HTL)	10.0	4.25		3	reread off scale (>10mm)	4.76	3.7-4.2	4.00	hvo	do	do	do	do	do
2/24/57	3:34:32	E-W (M-S)		4.05			no trace					kona	moderate (kona)	felt	assume 5 km depth; assume 5 km from Kona; Eaton and Fraser, 1957a; HVO, unpub	central Kona; felt-central Kona; Kealakekua-very slight, seemed to come from north
2/24/57	3:34:32	N-S (M-S)	0.8	4.05	2.0	2	no trace; threshold mag	3.94				do	do	do	do	do
2/24/57	3:34:32	SP Vert (HTL)	1.5	4.05	1.0	1	no trace; threshold mag	3.48				do	do	do	do	do
3/13/57	17:57:26	E-W (M-S)		4.3			no trace		2.0-3.2	3.50	hvo	kl mer sf os?	uwekahuna	felt	Eaton and Fraser, 1957a; HVO mag 3.5; high?	25 km se of Apua pt; felt-hnp
3/13/57	17:57:26	N-S (M-S)		4.3			no trace		2.0-3.2	3.50	hvo	do	do	do	do	do
3/13/57	17:57:26	SP Vert (HTL)		4.3			no trace		2.0-3.2	3.50	hvo	do	do	do	do	do
3/14/57	20:06:48	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	3.5-4.0	3.80	hvo	kl cal deep	slight (uwe)		Honolulu amplitude average of two readings; HTL high; Eaton and Fraser, 1957a	5 km w of Uwekahuna
3/14/57	20:06:48	N-S (M-S)	0.8	4.2	1.5	1.5	no trace; threshold mag	4.32	3.5-4.0	3.80	hvo	do	do	do	do	do
3/14/57	20:06:48	SP Vert (HTL)	6.0	4.2	0.8	1	period 0.5-1 sec	4.34	3.5-4.0	3.80	hvo	do	do	do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
3/14/57	20:06:48	E-W (M-S)		4.2			no repeat		3.5-4.0	3.80	hvo	do	do	do	do	do
3/14/57	20:06:48	N-S (M-S)		4.2			no repeat		3.5-4.0	3.80	hvo	do	do	do	do	do
3/14/57	20:06:48	SP Vert (HTL)	5.0	4.2	0.8	1	repeat; noise 1.2mm, 1s	4.26	3.5-4.0	3.80	hvo	do	do	do	do	do
4/6/57	8:28:40	E-W (M-S)		4.10			no trace					mauna kea deep	m (kamuela)	III	Eaton and Fraser, 1957b; HVO, unpub	Kamuela; felt-5 km NW of; time 22:48; Kukuihaele-IV, loud rumbling then shake
4/6/57	8:28:40	N-S (M-S)		4.10			no trace					do	do	do	do	do
4/6/57	8:28:40	SP Vert (HTL)		4.10			no trace					do	do	do	do	do
4/6/57	19:57:38	E-W (M-S)	0.4	4.2	1.5	1.5	no trace; threshold mag	4.02	3.6-4.1	3.80	hvo	kl cal deep	slight (uwe)	felt	Honolulu amplitude average of two readings; HTL high; Eaton and Fraser, 1957b; HVO unpub	5 km s of Uwekahuna, felt-hnp;-felt
4/6/57	19:57:38	N-S (M-S)	0.4	4.2	1.5	1.5	no trace; threshold mag	4.02	3.6-4.1	3.80	hvo	do	do	do	do	do
4/6/57	19:57:38	SP Vert (HTL)	14.0	4.2	0.5	1		4.71	3.6-4.1	3.80	hvo	do	do	do	do	do
4/6/57	19:57:38	E-W (M-S)		4.2			no repeat		3.6-4.1	3.80	hvo	do	do	do	do	do
4/6/57	19:57:38	N-S (M-S)		4.2			no repeat		3.6-4.1	3.80	hvo	do	do	do	do	do
4/6/57	19:57:38	SP Vert (HTL)	14.0	4.2	1.0	1	repeat	4.71	3.6-4.1	3.80	hvo	do	do	do	do	do
4/28/57	22:00:40	E-W (M-S)	0.5	4.3	1.0	1	no trace; threshold mag	4.55	2.9-3.4	3.30	hvo	kl uer?	slight (uwe)		Honolulu amplitude average of two readings; HTL high; Eaton and Fraser, 1957b	5 km w of Makaopuhi crater
4/28/57	22:00:40	N-S (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	2.9-3.4	3.30	hvo	do	do	do	do	do
4/28/57	22:00:40	SP Vert (HTL)	5.0	4.3	0.5	1		4.51	2.9-3.4	3.30		do	do	do	do	do
4/28/57	22:00:40	E-W (M-S)		4.3			no repeat		2.9-3.4	3.30	hvo	do	do	do	do	do
4/28/57	22:00:40	N-S (M-S)		4.3			no repeat		2.9-3.4	3.30	hvo	do	do	do	do	do
4/28/57	22:00:40	SP Vert (HTL)	4.5	4.3	1.0	1	repeat	4.46	2.9-3.4	3.30		do	do	do	do	do
7/4/57	10:53:59	E-W (M-S)	4.5	4.10	6.0	3		4.40		4.5	hvo	mauna kea		V; IV (S&C)	Eaton and Fraser, 1957c; HVO, unpub	8 km SW of; felt generally-Hawaii island; additional felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu and HVO
7/4/57	10:53:59	N-S (M-S)	4.5	4.10	7.0	3		4.40		4.5	hvo	do		do	do	do
7/4/57	10:53:59	SP Vert (HTL)	14.0	4.10	1.0	1		4.53		4.5	hvo	do		do	do	do
7/26/57	11:40:30	E-W (M-S)	1.4	3.85	1.0	1		4.55		4.6	hvo	kohala		IV (S&C)	closer to Kamuela?; Eaton and Fraser, 1957c	30 km w of Hawi; felt-Kealakekua; preferred magnitude calculated as average of Honolulu and HVO
7/26/57	11:40:30	N-S (M-S)	1.0	3.85	1.5	1.5		4.07		4.6	hvo	do		do	do	do
7/26/57	11:40:30	SP Vert (HTL)	23.0	3.85	1.0	1	s-p = 20 s	4.65		4.6	hvo	do		do	do	do
8/11/57	0:43:48	E-W (M-S)	2.5	4.00	3.0	3		4.05		4.2	hvo	maui		III	latitude given in error as 23°48'; Eaton and Fraser, 1957c; HVO, unpub	preferred magnitude calculated as average of Honolulu and HVO; Capt. Cook-felt by few; Kealakekua-sharp, awakened some
8/11/57	0:43:48	N-S (M-S)	4.0	4.00	4.0	3		4.25		4.2	hvo	do		do	do	do
8/11/57	0:43:48	SP Vert (HTL)	17.0	4.00	1.0	1		4.06		4.2	hvo	do		do	do	do
8/11/57	14:39:26	E-W (M-S)	2.0	4.00	2.0	2		4.28		4.3	hvo	maui			latitude given in error as 23°48'; Eaton and Fraser, 1957c	preferred magnitude calculated as average of Honolulu and HVO
8/11/57	14:39:26	N-S (M-S)	1.5	4.00	2.5	2.5		3.98		4.3	hvo	do			do	do
8/11/57	14:39:26	SP Vert (HTL)	18.0	4.00	1.0	1	s-p = 28 s	4.09		4.3	hvo	do			do	do
8/11/57	19:39:18	E-W (M-S)	1.0	4.00	2.0	2		3.98		4.0	hvo	maui			latitude given in error as 23°48'; Eaton and Fraser, 1957c	preferred magnitude calculated as average of Honolulu and HVO
8/11/57	19:39:18	N-S (M-S)	1.3	4.00	3.0	3		3.76		4.0	hvo	do			do	do
8/11/57	19:39:18	SP Vert (HTL)	9.0	4.00	1.0	1		3.78		4.0	hvo	do			do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/11/57	22:40:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/11/57	22:40:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/11/57	22:40:00	SP Vert (HTL)	4.0	4.00	1.0	1	not in seismic summary	3.43				do			do	
8/16/57	4:34:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/16/57	4:34:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/16/57	4:34:00	SP Vert (HTL)	3.0	4.00	1.0	1	not in seismic summary	3.31				do			do	
8/16/57	13:04:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/16/57	13:04:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/16/57	13:04:00	SP Vert (HTL)	1.7	4.00	1.0	1	not in seismic summary	3.06				do			do	
8/16/57	13:05:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/16/57	13:05:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/16/57	13:05:00	SP Vert (HTL)	2.0	4.00	1.0	1	not in seismic summary	3.13				do			do	
8/16/57	23:30:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/16/57	23:30:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/16/57	23:30:00	SP Vert (HTL)	5.0	4.00	1.0	1	not in seismic summary	3.53				do			do	
8/18/57	10:41:56	E-W (M-S)	42.0	4.00	8.0	3		5.27		5.6	hvo	maui		V (S&C)	latitude given in error as 23°48'; Eaton and Fraser, 1957c	felt widely-Hawaii island, Maui; preferred magnitude calculated as average of Honolulu and HVO
8/18/57	10:41:56	N-S (M-S)	64.0	4.00	3.0	3		5.45		5.6	hvo	do		do	do	do
8/18/57	10:41:56	SP Vert (HTL)	136.0	4.00	2.0	2	minimum amplitude	4.96		5.6	hvo	do		do	do	do
8/20/57	1:52:07	E-W (M-S)		4.00		3				3.0	hvo	maui			Eaton and Fraser, 1957c	preferred magnitude calculated as average of Honolulu and HVO
8/20/57	1:52:07	N-S (M-S)		4.00		3				3.0	hvo	do			do	do
8/20/57	1:52:07	SP Vert (HTL)	3.0	4.00	1.0	1		3.31		3.0	hvo	do			do	do
8/20/57	4:38:10	E-W (M-S)		4.00		3				3.0	hvo	maui			Eaton and Fraser, 1957c	preferred magnitude calculated as average of Honolulu and HVO
8/20/57	4:38:10	N-S (M-S)		4.00		3				3.0	hvo	do			do	do
8/20/57	4:38:10	SP Vert (HTL)	1.5	4.00		3		3.01		3.0	hvo	do			do	do
8/20/57	7:29:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/20/57	7:29:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/20/57	7:29:00	SP Vert (HTL)	3.0	4.00		3	not in seismic summary	3.31				do			do	
8/20/57	13:04:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/20/57	13:04:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/20/57	13:04:00	SP Vert (HTL)	6.0	4.00	1.0	1	not in seismic summary	3.61				do			do	
8/20/57	13:08:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/20/57	13:08:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
8/20/57	13:08:00	SP Vert (HTL)	3.5	4.00	1.0	1	not in seismic summary	3.37				do			do	
8/21/57	4:53:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/21/57	4:53:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/21/57	4:53:00	SP Vert (HTL)	2.0	4.00	1.0	1	not in seismic summary	3.13				do			do	
8/21/57	9:14:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/21/57	9:14:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/21/57	9:14:00	SP Vert (HTL)	3.0	4.00	1.0	1	not in seismic summary	3.31				do			do	
8/21/57	18:25:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/21/57	18:25:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/21/57	18:25:00	SP Vert (HTL)	2.5	4.00	1.0	1	not in seismic summary	3.23				do			do	
8/23/57	1:28:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/23/57	1:28:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/23/57	1:28:00	SP Vert (HTL)	3.0	4.00	1.0	1	not in seismic summary	3.31				do			do	
8/23/57	3:06:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/23/57	3:06:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/23/57	3:06:00	SP Vert (HTL)	5.0	4.00	1.0	1	not in seismic summary	3.53				do			do	
8/23/57	3:08:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			not in Eaton and Fraser, 1957c	
8/23/57	3:08:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
8/23/57	3:08:00	SP Vert (HTL)	4.0	4.00	1.0	1	not in seismic summary	3.43				do			do	
8/27/57	2:58:52	E-W (M-S)		3.85			no trace					kohala deep	st (kamuela)	IV	Kohala summit; 9 km depth yields mag agreement between Honolulu and nomogram; HVO mag low?; Eaton and Fraser, 1957c; HVO, unpub	felt-Kukuihaele, Pohakuloa; Pohakuloa forestry camp-moderate, windows rattled; Kukuihaele-IV, rumbling heard; Pohakuloa-slow, began gradually, dur 3-5 sec, floor moved; preferred magnitude calculated as average of Honolulu, HVO and nomogram
8/27/57	2:58:52	N-S (M-S)		3.85			no trace					do	do	do	do	do
8/27/57	2:58:52	SP Vert (HTL)	5.0	3.85	1.0	1	s-p 28s	3.99				do	do	do	do	do
8/28/57	19:59:52	E-W (M-S)		4.00		3	assume no trace			3.0	hvo	maui			Eaton and Frasier, 1957c	
8/28/57	19:59:52	N-S (M-S)		4.00		3	assume no trace			3.0	hvo	do			do	
8/28/57	19:59:52	SP Vert (HTL)		4.00		3	detected			3.0	hvo	do			do	
9/2/57	10:33:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			Eaton and Frasier, 1957c	
9/2/57	10:33:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
9/2/57	10:33:00	SP Vert (HTL)	3.0	4.00	3.0	3	not in seismic summary	3.31				do			do	
9/2/57	21:21:00	E-W (M-S)		4.00		3	no trace; not in seismic summary					maui?			Eaton and Frasier, 1957c	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
9/2/57	21:21:00	N-S (M-S)		4.00		3	no trace; not in seismic summary					do			do	
9/2/57	21:21:00	SP Vert (HTL)	7.0	4.00	1.0	1	not in seismic summary	3.68				do			do	
9/5/57	19:31:24	E-W (M-S)		4.20			no trace					hilo deep	s-felt (hilo)	III	Eaton and Fraser, 1957c; HVO, unpub	10 km n of Keaau; felt-Hilo; preferred magnitude calculated as average of nomogram and HVO; Hilo-dur 2-3 sec, sharp shaking, chandelier swayed
9/5/57	19:31:24	N-S (M-S)		4.20			no trace					do	do	do	do	do
9/5/57	19:31:24	SP Vert (HTL)		4.20			no trace					do	do	do	do	do
9/15/57	1:38:46	E-W (M-S)		4.00		3	assume no trace			3.0	hvo	maui			Eaton and Fraser, 1957c	
9/15/57	1:38:46	N-S (M-S)		4.00		3	assume no trace			3.0	hvo	do			do	
9/15/57	1:38:46	SP Vert (HTL)		4.00		3	no trace			3.0	hvo	do			do	
9/17/57	21:47:37	E-W (M-S)		4.00		3	assume no trace			3.0	hvo	maui			Eaton and Fraser, 1957c	preferred magnitude calculated as average of Honolulu and HVO
9/17/57	21:47:37	N-S (M-S)		4.00		3	assume no trace			3.0	hvo	do			do	do
9/17/57	21:47:37	SP Vert (HTL)	1.5	4.00	1.0	1		3.01		3.0	hvo	do			do	do
9/29/57	13:37:02	E-W (M-S)	0.4	4.2	1.0	1	no trace; threshold mag	4.36		3.90		kl cal deep	slight (uwe)	IV	Honolulu amplitude average of two readings; HTL high; Eaton and Fraser, 1957c; HVO unpub	5 km s of Ohaikea, felt-ml obs, Capt. cook; ml weather observatory-rattled windows, awakened one sleeper
9/29/57	13:37:02	N-S (M-S)	0.3	4.2	1.5	1.5	no trace; threshold mag	3.90		3.90		do	do	do	do	do
9/29/57	13:37:02	SP Vert (HTL)	14.0	4.2		3	record out of focus; duration = 55 s	4.71		3.90		do	do	do	do	do
9/29/57	13:37:02	E-W (M-S)		4.2			no repeat			3.90		do	do	do	do	do
9/29/57	13:37:02	N-S (M-S)		4.2			no repeat			3.90		do	do	do	do	do
9/29/57	13:37:02	SP Vert (HTL)	8.5	4.2	1.0	1	repeat	4.49		3.90		do	do	do	do	do
11/9/57	21:26:25	E-W (M-S)	0.5	4.00	1.5	1.5	no trace; threshold mag			3.9		kohala			Eaton and Fraser, 1957d	25 km NW of Kamuela
11/9/57	21:26:25	N-S (M-S)	0.5	4.00	1.5	1.5	no trace; threshold mag			3.9		do			do	do
11/9/57	21:26:25	SP Vert (HTL)	1.0	3.85	1.0	1	no trace; threshold mag			3.3	hvo	do			do	do
11/16/57	12:30:32	E-W (M-S)		4.00		3	no trace-record out of focus			3.5	hvo	kona os		felt	assume 5 km depth; Eaton and Fraser, 1957d	30 km w of Kailua; felt-Kealakekua, Capt. cook
11/16/57	12:30:32	N-S (M-S)		4.00		3	no trace-record out of focus			3.5	hvo	do		do	do	do
11/24/57	6:21:28	E-W (M-S)		4.20		3	no trace			3.5	hvo	kaoiki		III	Eaton and Fraser, 1957d; HVO, unpub	10 km SW of ml seismometer; felt-hnp, Kealakekua, Kamuela; Kealakekua-very slight;-felt by several, pheasants cried a few sec before quake; hnp-felt by some
11/24/57	6:21:28	N-S (M-S)		4.20		3	no trace			3.5	hvo	do		do	do	do
11/24/57	6:21:28	SP Vert (HTL)		4.20		3	no trace-record out of focus			3.5	hvo	do		do	do	do
2/16/58	2:48:38	E-W (M-S)		4.15			no trace			3.9	hvo	kl swr sf os deep		felt	HTL high; Eaton and Fraser, 1958a; HVO unpub	17 km se of Naalehu, felt-Naalehu, Pahoa; felt at Pahoa and Naalehu; preferred magnitude calculated as average of Honolulu and HVO
2/16/58	2:48:38	N-S (M-S)	0.8	4.15	2.0	2	no trace; threshold mag	4.04		3.9	hvo	do		do	do	do
2/16/58	2:48:38	SP Vert (HTL)	18.5	4.15	1.0	1		4.54		3.9	hvo	do		do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/23/58	14:01:00	E-W (M-S)	4.0	2.60	1.0	1	film time 13:59	3.76				oahu		V (Cox)	Cox, 1986; Eaton and Fraser, 1958a	NE of Ulupau head, woke many Oahu residents in Kailua and Kaneohe; barely felt on leeward side of Oahu; 8 km NE of Ulupau head; felt-Oahu; preferred mag calculated as average of Hon mag and HVO
2/23/58	14:01:00	N-S (M-S)	2.7	2.60	1.0	1	film time 13:59	3.59				do		do	do	do
2/23/58	14:01:00	SP Vert (HTL)	10.0	2.60	1.0	1	film time 13:59; s-p = 6.5 s (distance 50 km)	2.94				do		do	do	do
4/24/58	13:06:33	E-W (M-S)		4.10		3	no trace			4.3	hvo	mauna kea		IV	Eaton and Fraser, 1958b; HVO, unpub	5 km n of; felt-most of Hawaii island; extensive felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu and HVO
4/24/58	13:06:33	N-S (M-S)		4.10		3	no trace			4.3	hvo	do		do	do	do
4/24/58	13:06:33	SP Vert (HTL)	20.0	4.10		3	S-P=33 s; duration = 95 s	4.68		4.3	hvo	do		do	do	do
9/29/58	6:48:06	E-W (M-S)		3.85		3	no trace			3.8	hvo	mauna loa deep		IV	Eaton and Krivoy, 1958a; HVO, unpub	10 km n of; preferred magnitude calculated as average of Honolulu and HVO; Hakalau-felt; hnp-felt; Hilo-II, felt by few, rapid, weak, dur 2 sec, windows rattled
9/29/58	6:48:06	N-S (M-S)		3.85		3	no trace			3.8	hvo	do		do	do	do
9/29/58	6:48:06	SP Vert (HTL)	10.0	3.85	0.5	1		4.29		3.8	hvo	do		do	do	do
10/23/58	09:43:28	E-W (M-S)	5.0	4.35	6.0	3	signal:noise ~1.5; reading spurious?	4.70	na	4.30		kl kuer sf os		V	Honolulu amplitude average of two readings; HTL high; Eaton and Krivoy, 1958b; HVO unpub	felt-hnp to Kealakekua; hnp-felt; Pahala-felt by many in Kau, very strong; Capt. Cook-felt; [postcard time 23:50-24:00-should be earlier to agree w seismic summary felt info]; preferred magnitude calculated as average of HVO and Honolulu
10/23/58	09:43:28	N-S (M-S)		4.35			no trace		na	4.30		do		do	do	do
10/23/58	09:43:28	SP Vert (HTL)	4.5	4.35	1.0	1	reread 6mm, 1s (M4.64); noise 1.2mm, 1s	4.51	na	4.30	hvo	do		do	do	do
10/23/58	09:43:28	E-W (M-S)	1.0	4.35	1.5	1.5	repeat; no trace; threshold mag	4.57	na	4.30	hvo	do		do	do	do
10/23/58	09:43:28	N-S (M-S)	1.0	4.35	1.5	1.5	repeat; fuzzy trace; threshold mag; period assumed	4.57	na	4.30	hvo	do		do	do	do
10/23/58	09:43:28	SP Vert (HTL)	5.0	4.35		3	repeat	4.56	na	4.30		do		do	do	do
10/23/58	09:43:28	E-W (M-S)		4.35			no repeat		na	4.30	hvo	do		do	do	do
10/23/58	09:43:28	N-S (M-S)		4.35			no repeat		na	4.30	hvo	do		do	do	do
10/23/58	09:43:28	SP Vert (HTL)	6.0	4.35	1.0	1	repeat	4.64	na	4.30		do		do	do	do
10/23/58	09:50:53	E-W (M-S)		4.35		3	no trace		na	3.90	hvo	kl kuer sf os			Eaton and Krivoy, 1958b	preferred magnitude calculated as average of HVO and Honolulu
10/23/58	09:50:53	N-S (M-S)		4.35		3	no trace		na	3.90	hvo	do		do	do	do
10/23/58	09:50:53	SP Vert (HTL)	0.5	4.35		3	detected	3.56	na	3.90	hvo	do		do	do	do
10/23/58	22:23:23	E-W (M-S)	5.0	4.35	5.0	3	signal:noise ~2	4.70	na	4.30		kl kuer sf os		IV	Honolulu amplitude average of two readings; Eaton and Krivoy, 1958b; HVO unpub	felt-Pahala; hnp-felt; Pahala-felt by many in Kau, very strong; Capt. Cook felt; preferred magnitude calculated as average of HVO and Honolulu
10/23/58	22:23:23	E-W (M-S)	6.0	4.35	6.0	3		4.78	na	4.30	hvo	do		do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
10/23/58	22:23:23	N-S (M-S)	4.0	4.35	4.0	3		4.60	na	4.30		do		do	do	do
10/23/58	22:23:23	N-S (M-S)	4.5	4.35	5.0	3		4.65	na	4.30	hvo	do		do	do	do
10/23/58	22:23:23	SP Vert (HTL)	6.0	4.35	1.0	1		4.64	na	4.30	hvo	do		do	do	do
10/23/58	22:23:23	SP Vert (HTL)	5.0	4.35		3		4.56	na	4.30		do		do	do	do
11/2/58	15:55:44	E-W (M-S)	1.5	4.2	1.5	1.5	fuzzy trace; period assumed; noise 1.0mm, 1.5s assumed	4.60	na	4.40		kl cal deep		IV	Honolulu amplitude average of two readings; Eaton and Krivoy, 1958b; HVO unpub	4 km se of Uwekahuna, felt-hnp to Hilo; hnp/volcano-felt generally; Hilo felt; Kapoho-felt, (ranch) wakened by gentle motion, e-w, 2 distinct waves dur 15 sec; Hilo-moderate, began gradually, dur 10 sec, pulsating rocking motion, felt generally
11/2/58	15:55:44	N-S (M-S)	1.2	4.2	1.5	1.5	fuzzy trace; threshold mag; period assumed	4.50	na	4.40		do		do	do	do
11/2/58	15:55:44	SP Vert (HTL)	15.0	4.2		3	min amp; S-P=36 s; duration = 112 s	4.74	na	4.40		do		do	do	do
11/2/58	15:55:54	E-W (M-S)		4.2		3	no trace		na	4.40	hvo	do		do	do	do
11/2/58	15:55:54	N-S (M-S)		4.2		3			na	4.40	hvo	do		do	do	do
11/2/58	15:55:54	SP Vert (HTL)	12.0	4.2		3		4.64	na	4.40	hvo	do		do	do	do
11/2/58	15:55:54	E-W (M-S)		4.2		3	no trace		na	4.40	hvo	do		do	do	do
11/2/58	15:55:54	N-S (M-S)		4.2		3			na	4.40	hvo	do		do	do	do
11/2/58	15:55:54	SP Vert (HTL)	18.0	4.2	1.0	1	repeat; period approximate	4.82	na	4.40	hvo	do		do	do	do
12/28/58	9:17:00	E-W (M-S)	2.0	4.20		1.5	event assumed to correspond to event given wrong time in Eaton and Krivoy, 1958b; poor record period assumed	4.72				hilo deep		IV; III (S&C)	time given as 9:17 am HST in Eaton and Krivoy, 1958b; observed time on Hon film record is 9:17 GMT on 12/28; Milne-Shaw magnitude agrees with hvo if Hon time accepted; Eaton and Krivoy, 1958b; HVO, unpub	7 km NW of Hilo; felt-Hilo to Kealakekua; additional felt information from hvo postcards given in 1933-1959 eq file
12/28/58	9:17:00	N-S (M-S)	2.0	4.20		1.5	poor record-threshold magnitude	4.72				do		do	do	do
12/28/58	9:17:00	SP Vert (HTL)	15.0	4.20		1	poor film copy-min amp read	4.07				do		do	do	do
1/12/59	11:05:15	E-W (M-S)		3.20		3	record missing			4.0	hvo	sw of lanai			Eaton and Krivoy, 1963a	preferred magnitude calculated as average of Honolulu and HVO
1/12/59	11:05:15	N-S (M-S)	0.5	3.20	0.5	1		3.45		4.0	hvo	do			do	do
1/12/59	11:05:15	SP Vert (HTL)	15.0	3.20	0.5	1		3.21		4.0	hvo	do			do	do
2/20/59	05:58:01	E-W (M-S)		4.3		3	no trace		na	4.00	hvo	kl mer sf		felt	Eaton and Krivoy, 1963a	felt-Capt. cook, Honokaa, Hilo, hnp; preferred magnitude calculated as average of HVO and Honolulu
2/20/59	05:58:01	N-S (M-S)		4.3		3	no trace		na	4.00	hvo	do		do	do	do
2/20/59	05:58:01	SP Vert (HTL)	1.0	4.3	0.5	1	detected; signal:noise approx. 1	3.81	na	4.00	hvo	do		do	do	do
2/20/59	06:00:28	E-W (M-S)	9.0	4.3	3.0	3		4.90	na	4.50		kl mer sf		III (S&C)	Honolulu data is average of two readings; Eaton and Krivoy, 1963a	felt-Capt. cook, Honokaa, Hilo, hnp; preferred magnitude calculated as average of HVO and Honolulu
2/20/59	06:00:28	E-W (M-S)	9.0	4.3	3.0	3		4.90	na	4.50	hvo	do		do	do	do
2/20/59	06:00:28	N-S (M-S)	4.5	4.3	8.0	3		4.60	na	4.50		do		do	do	do
2/20/59	06:00:28	N-S (M-S)	5.0	4.3	10.0	3		4.65	na	4.50	hvo	do		do	do	do
2/20/59	06:00:28	SP Vert (HTL)	20.0	4.3		3	minimum amplitude	5.11	na	4.50	hvo	do		do	do	do

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/20/59	06:00:28	SP Vert (HTL)	20.0	4.3		3	min amp; duration = 260 s; s-p = 39 s	5.11	na	4.50		do		do	do	do
2/20/59	06:35:04	E-W (M-S)		4.3			record missing		na	3.50		kl mer sf		felt	Eaton and Krivoy, 1963a	felt-Capt. cook, Honokaa, Hilo, hnp
2/20/59	06:35:04	N-S (M-S)		4.3					na	3.50		do		do	do	do
2/20/59	06:35:04	SP Vert (HTL)		4.3					na	3.50		do		do	do	do
3/7/59	2:45:15	E-W (M-S)		4.00		3	no trace			4.0	hvo	hualalai os		felt	Eaton and Krivoy, 1963a	felt-Capt. cook; preferred magnitude calculated as average of Honolulu and HVO
3/7/59	2:45:15	N-S (M-S)		4.00		3	no trace			4.0	hvo	do		do	do	do
3/7/59	2:45:15	SP Vert (HTL)	9.0	4.00	0.5	1		4.20		4.0	hvo	do		do	do	do
3/12/59	17:44:55	E-W (M-S)		4.10		3	no trace			4.0	hvo	mauna kea		felt	Eaton and Krivoy, 1963a	felt-Kukuihaele; preferred magnitude calculated as average of Honolulu and HVO
3/12/59	17:44:55	N-S (M-S)		4.10		3	no trace			4.0	hvo	do		do	do	do
3/12/59	17:44:55	SP Vert (HTL)	2.0	4.10	0.5	1		3.68		4.0	hvo	do		do	do	do
6/26/59	22:16:34	E-W (M-S)		4.20		3	no trace			4.2	hvo	milolii os		felt	Eaton and Krivoy, 1963b	felt-Capt. cook; preferred magnitude calculated as average of Honolulu and HVO
6/26/59	22:16:34	N-S (M-S)		4.20		3	no trace			4.2	hvo	do		do	do	do
6/26/59	22:16:34	SP Vert (HTL)	5.0	4.20		3	trace out of focus	4.15		4.2	hvo	do		do	do	do
8/18/59	23:54:50	E-W (M-S)		4.3		3	no trace		na	4.00	hvo	kl mer sf deep?		felt	Eaton and Krivoy, 1963c	felt-hnp, Hilo
8/18/59	23:54:50	N-S (M-S)		4.3		3	no trace		na	4.00	hvo	do		do	do	do
8/18/59	23:54:50	SP Vert (HTL)		4.3		3	detected?		na	4.00	hvo	do		do	do	do
9/19/59	00:50:04	E-W (M-S)		4.3		3	record missing		na	4.00	hvo	kl mer		felt	Eaton and Krivoy, 1963c	felt-hnp, Hilo
9/19/59	00:50:04	N-S (M-S)		4.3		3	record missing		na	4.00	hvo	do		do	do	do
9/19/59	00:50:04	SP Vert (HTL)		4.3		3	record missing		na	4.00	hvo	do		do	do	do
12/30/59	23:11:00	E-W (M-S)		4.3			no trace; fuzzy record			4.10	hvo	ler sf offshore				
12/30/59	23:11:00	N-S (M-S)		4.3			no trace; fuzzy record			4.10	hvo	ler sf offshore				
12/30/59	23:11:00	SP Vert (HTL)		4.3			no trace; fuzzy record			4.10	hvo	ler sf offshore				
1/29/60	19:10:00	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22		4.20	hvo	kcal 05-10				
1/29/60	19:10:00	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12		4.20	hvo					
1/29/60	19:10:00	SP Vert (HTL)	5.0	4.3	0.5	1		4.51		4.20	hvo					
1/29/60	19:10:00	E-W (M-S)		4.3			no repeat			4.20	hvo	kcal 05-10				
1/29/60	19:10:00	N-S (M-S)		4.3			no repeat			4.20	hvo					
1/29/60	19:10:00	SP Vert (HTL)	4.0	4.3	1.0	1	repeat	4.41		4.20	hvo					
2/13/60	02:34:00	E-W (M-S)		4.3			no trace			4.10	hvo	kuer sf				
2/13/60	02:34:00	N-S (M-S)		4.3			no trace			4.10	hvo					
2/13/60	02:34:00	SP Vert (HTL)	1.0	4.3	1.0	1	no trace; threshold mag	3.81		4.10	hvo					
3/8/60	19:51:00	E-W (M-S)	0.6	4.3	2.0	2	no trace; threshold mag	4.06		4.10	hvo	ler offshore				
3/8/60	19:51:00	N-S (M-S)		4.3			no trace			4.10	hvo					
3/8/60	19:51:00	SP Vert (HTL)	0.6	4.3	0.5	1	no trace; threshold mag	3.59		4.10	hvo					
3/24/60	03:52:00	E-W (M-S)		4.3			no trace			4.00	hvo	kcaldeep				
3/24/60	03:52:00	N-S (M-S)		4.3			no trace			4.00	hvo					
3/24/60	03:52:00	SP Vert (HTL)	0.5	4.3	0.5	1	no trace; threshold mag	3.36		4.00	hvo					
5/12/60	21:18:00	E-W (M-S)	0.5	4.3	1.0	1		4.55		4.30	hvo	kcaldeep				
5/12/60	21:18:00	N-S (M-S)	0.8	4.3	1.0	1		4.76		4.30	hvo					

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
5/12/60	21:18:00	SP Vert (HTL)	8.0	4.3	0.5	1	light trace; min mag	4.56		4.30	hvo					
6/20/60	23:14:00	E-W (M-S)		4.3			no film record			4.30	hvo	swr				
6/20/60	23:14:00	N-S (M-S)		4.3			no film record			4.30	hvo					
6/20/60	23:14:00	SP Vert (HTL)		4.3			no film record			4.30	hvo					
6/21/60	20:56:00	E-W (M-S)		4.3			no film record			4.30	hvo	swr				
6/21/60	20:56:00	N-S (M-S)		4.3			no film record			4.30	hvo					
6/21/60	20:56:00	SP Vert (HTL)		4.3			no film record			4.30	hvo					
12/13/60	22:06:00	E-W (M-S)	1.2	4.3	1.0	1	deep	4.93		4.20	hvo	glenwood deep				
12/13/60	22:06:00	N-S (M-S)	1.0	4.3	1.0	1		4.86		4.20	hvo					
12/13/60	22:06:00	SP Vert (HTL)		4.3			record missing			4.20	hvo					
12/13/60	22:08:00	E-W (M-S)	3.5	4.3	1.0	1	deep	5.40		4.30	hvo	kcaldeep				
12/13/60	22:08:00	N-S (M-S)	3.0	4.3	1.0	1		5.33		4.30	hvo					
12/13/60	22:08:00	SP Vert (HTL)		4.3			record missing			4.30	hvo					
12/25/60	12:56:00	E-W (M-S)	3.0	4.3	1.0	1	noisy record	5.33		4.60	hvo	swr				
12/25/60	12:56:00	N-S (M-S)	2.0	4.3	1.0	1	noisy record	5.16		4.60	hvo					
12/25/60	12:56:00	SP Vert (HTL)	11.0	4.3	0.5	1		4.85		4.60	hvo					
1/21/61	11:39:00	E-W (M-S)		4.3			no film record			4.80	hvo	swr				
1/21/61	11:39:00	N-S (M-S)		4.3			no film record			4.80	hvo					
1/21/61	11:39:00	SP Vert (HTL)		4.3			no film record			4.80	hvo					
5/19/61	10:31:00	E-W (M-S)	0.3	4.3	1.0	1	no trace; threshold mag	4.33		4.00	hvo	kcaldeep				
5/19/61	10:31:00	N-S (M-S)	0.3	4.3	1.5	1.5	no trace; threshold mag	4.00		4.00	hvo					
5/19/61	10:31:00	SP Vert (HTL)	11.0	4.3	0.5	0.5		4.70		4.00	hvo					
5/19/61	10:31:00	E-W (M-S)		4.3			no repeat			4.00	hvo	kcaldeep				
5/19/61	10:31:00	N-S (M-S)		4.3			no repeat			4.00	hvo					
5/19/61	10:31:00	SP Vert (HTL)	9.0	4.3	1.0	1	repeat	4.61		4.00	hvo					
6/29/61	14:09:00	E-W (M-S)	2.0	4.3	1.0	1		5.16		4.20	hvo	kcaldeep				
6/29/61	14:09:00	N-S (M-S)	0.8	4.3	1.0	1		4.76		4.20	hvo					
6/29/61	14:09:00	SP Vert (HTL)	8.0	4.3	0.5	0.5	light trace	4.56		4.20	hvo					
7/23/61	15:24:00	E-W (M-S)	36.0	4.3		3	superposed on teleseism-amp est	5.50	na	4.60	catalog?	kcaldeep			catalog magnitude low	
7/23/61	15:24:00	N-S (M-S)	30.0	4.3		3	film poor-amp est; period short	5.43	na	4.60	catalog?	kcaldeep			catalog magnitude low	
7/23/61	15:24:00	SP Vert (HTL)	110.0	4.3	1.0	1	film time 15:25; s-p = 32 s	5.70	na	4.60	catalog?	kcaldeep			catalog magnitude low	
7/23/61	15:28:00	E-W (M-S)	3.0	4.3		3	film poor-amp est; period short	4.43	na	4.20	catalog?	kcaldeep			mag agreement ok	
7/23/61	15:28:00	N-S (M-S)	3.0	4.3		3	film poor-amp est; period short	4.43	na	4.20	catalog?	kcaldeep			mag agreement ok	
7/23/61	15:28:00	SP Vert (HTL)	62.0	4.3	1.0	1	S-P = 32 sec; duration = 135 s	5.45	na	4.20	catalog?	kcaldeep			mag agreement ok	
7/23/61	15:37:00	E-W (M-S)		4.3			assume no trace		na	3.10	catalog?	kcaldeep				
7/23/61	15:37:00	N-S (M-S)		4.3			no trace		na	3.10	catalog?	kcaldeep				
7/23/61	15:37:00	SP Vert (HTL)	3.0	4.3	1.0	1		4.14	na	3.10	catalog?	kcaldeep				
7/23/61	16:44:00	E-W (M-S)		4.3					na			kcaldeep			not in catalog	
7/23/61	16:44:00	N-S (M-S)		4.3					na			kcaldeep			not in catalog	
7/23/61	16:44:00	SP Vert (HTL)	1.6	4.3	1.0	1		3.86	na			kcaldeep			not in catalog	
9/25/61	05:25:00	E-W (M-S)		4.3			no trace		na	3.80	catalog?	glenwood			mag agreement ok	
9/25/61	05:25:00	N-S (M-S)		4.3			no trace		na	3.80	catalog?	glenwood			mag agreement ok	
9/25/61	05:25:00	SP Vert (HTL)		4.3			no trace		na	3.80	catalog?	glenwood			mag agreement ok	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
9/25/61	05:28:00	E-W (M-S)		4.3			no record		na	4.50	catalog?	mer sf			catalog mag high?	
9/25/61	05:28:00	N-S (M-S)		4.3			no record		na	4.50	catalog?	mer sf			catalog mag high?	
9/25/61	05:28:00	SP Vert (HTL)		4.3			no record		na	4.50	catalog?	mer sf			catalog mag high?	
9/25/61	06:29:00	E-W (M-S)		4.3			no record		na	4.30	catalog?	mer sf			catalog mag high?	
9/25/61	06:29:00	N-S (M-S)		4.3			no record		na	4.30	catalog?	mer sf			catalog mag high?	
9/25/61	06:29:00	SP Vert (HTL)		4.3			no record		na	4.30	catalog?	mer sf			catalog mag high?	
11/22/61	9:22:39.3	E-W (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kcaldeep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kcaldeep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	SP Vert (HTL)	10.0	4.3	1.0	1	s-p = 32 s	4.66	na	3.80	hvo	kcaldeep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	E-W (M-S)		4.3			no repeat		na	3.80	hvo	kcaldeep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	N-S (M-S)		4.3			no repeat		na	3.80	hvo	kcaldeep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	SP Vert (HTL)	10.0	4.3	1.0	1	repeat	4.66	na	3.80	hvo	kcaldeep			catalog mag somewhat low?	hilo, hnp, n kona
11/24/61	3:14:30.6	E-W (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kcaldeep			mag agreement ok	hnp
11/24/61	3:14:30.6	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kcaldeep			mag agreement ok	hnp
11/24/61	3:14:30.6	SP Vert (HTL)	6.0	4.3	1.0	1		4.44	na	3.80	hvo	kcaldeep			mag agreement ok	hnp
11/24/61	3:14:30.6	E-W (M-S)		4.3			no repeat		na	3.80	hvo	kcaldeep			mag agreement ok	hnp
11/24/61	3:14:30.6	N-S (M-S)		4.3			no repeat		na	3.80	hvo	kcaldeep			mag agreement ok	hnp
11/24/61	3:14:30.6	SP Vert (HTL)	4.0	4.3	1.0	1	repeat	4.26	na	3.80	hvo	kcaldeep			mag agreement ok	hnp
11/25/61	23:26:3.0	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	na	3.70	hvo	kcaldeep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kcaldeep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	SP Vert (HTL)	8.0	4.3	1.0	1		4.56	na	3.70	hvo	kcaldeep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	E-W (M-S)		4.3			no repeat		na	3.70	hvo	kcaldeep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	N-S (M-S)		4.3			no repeat		na	3.70	hvo	kcaldeep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	SP Vert (HTL)	9.0	4.3	1.0	1	repeat	4.61	na	3.70	hvo	kcaldeep			catalog mag somewhat low?	n kona, hnp
12/3/61	4:57:59.8	E-W (M-S)	1.0	4.3	1.5	1.5	no trace; threshold mag	4.52	na	3.90	hvo	kcaldeep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	N-S (M-S)	0.6	4.3	1.5	1.5	detected; noise 0.4mm, 1.5s	4.30	na	3.90	hvo	kcaldeep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	SP Vert (HTL)	7.0	4.3	1.0	1	s-p = 32 s	4.51	na	3.90	hvo	kcaldeep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	E-W (M-S)		4.3			no repeat		na	3.90	hvo	kcaldeep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	N-S (M-S)		4.3			no repeat		na	3.90	hvo	kcaldeep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	SP Vert (HTL)	8.0	4.3	1.0	1	repeat	4.56	na	3.90	hvo	kcaldeep			catalog mag low for felt report-4.3?	all hawaii island
12/31/61	18:52:09.9	E-W (M-S)	0.7	4.3	1.5	1.5	noise 0.4mm, 1.5s	4.37	na	3.90	hvo	kcaldeep			mag agreement prob ok	hnp
12/31/61	18:52:09.9	N-S (M-S)	0.7	4.3	1.0	1.5	noise 0.4mm, 1.5s	4.37	na	3.90	hvo	kcaldeep			mag too high-period too low?	hnp
12/31/61	18:52:09.9	SP Vert (HTL)	10.0	4.3		3	s-p approx 33 s	4.66	na	3.90	hvo	kcaldeep				hnp
12/31/61	18:52:09.9	E-W (M-S)		4.3			no repeat		na	3.90	hvo	kcaldeep			mag agreement prob ok	hnp
12/31/61	18:52:09.9	N-S (M-S)		4.3			no repeat		na	3.90	hvo	kcaldeep			mag too high-period too low?	hnp
12/31/61	18:52:09.9	SP Vert (HTL)	9.0	4.3	1.0	1	repeat	4.61	na	3.90	hvo	kcaldeep				hnp
1/7/62	12:57:53.4	E-W (M-S)	2.0	4.4	1.5	1.5	no trace; threshold mag	4.92	na	4.00	hvo	ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	N-S (M-S)	1.0	4.4	1.5	1.5	no trace; threshold mag	4.62	na	4.00	hvo	ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	SP Vert (HTL)	6.0	4.4	1.0	1		4.69	na	4.00	hvo	ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	E-W (M-S)		4.4			no repeat		na	4.00	hvo	ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	N-S (M-S)		4.4			no repeat		na	4.00	hvo	ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	SP Vert (HTL)	6.0	4.4	1.0	1	repeat	4.69	na	4.00	hvo	ler sf			mag agreement ok?	all hawaii island
2/11/62	2:00:46.6	E-W (M-S)	0.5	4.4	1.5	1.5	no trace; threshold mag	4.32	na	4.00	hvo	ler offshore				
2/11/62	2:00:46.6	N-S (M-S)	0.3	4.4	1.5	1.5	no trace; threshold mag	4.10	na	4.00	hvo	ler offshore				

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
2/11/62	2:00:46.6	SP Vert (HTL)	0.8	4.4	1.0	1	no trace; threshold mag	3.81	na	4.00	hvo	ler offshore				
3/10/62	9:46:19.0	SP Vert (HTL)	2.5	3.95	1.0	1	s-p = 27 s			4.0		hualalai				
3/24/62	0:56:46.6	E-W (M-S)	2.0	4.2	1.5	1.5		4.72	na	4.40	hvo	kcaldeep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	N-S (M-S)	1.5	4.2	1.0	1		4.93	na	4.40	hvo	kcaldeep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	SP Vert (HTL)		4.2			record missing		na	4.40	hvo	kcaldeep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	E-W (M-S)	1.8	4.2	1.5	1.5	repeaat; noise 0.5mm, 1.5s	4.68	na	4.40	hvo	kcaldeep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	N-S (M-S)	2.0	4.2	1.5	1.5	repeat; noise 0.5mm, 1.5s	4.72	na	4.40	hvo	kcaldeep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	SP Vert (HTL)		4.2			record missing		na	4.40	hvo	kcaldeep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	E-W (M-S)	4.0	4.2	1.0	1		5.36	na	4.50	hvo	kcaldeep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	N-S (M-S)	3.5	4.2	1.0	1	corrected date	5.30	na	4.50	hvo	kcaldeep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	SP Vert (HTL)	14.0	4.2	1.0	1	min. amp; s-p = 33 s	4.71	na	4.50	hvo	kcaldeep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	E-W (M-S)	4.0	4.2	1.0	1	repeat	5.36	na	4.50	hvo	kcaldeep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	N-S (M-S)	3.0	4.2	1.0	1	repeat	5.23	na	4.50	hvo	kcaldeep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	SP Vert (HTL)	13.0	4.2	1.0	1	repeat	4.67	na	4.50	hvo	kcaldeep			hvo mag low	all hawaii island
4/7/62	3:38:02.7	E-W (M-S)		4.25		3	no trace		na	3.80	hvo	kuer sf			mag agreement ok	
4/7/62	3:38:02.7	N-S (M-S)		4.25		3	no trace		na	3.80	hvo	kuer sf			mag agreement ok	
4/7/62	3:38:02.7	SP Vert (HTL)		4.25		3	no trace-noisy record		na	3.80	hvo	kuer sf			mag agreement ok	
5/10/62	15:56:04.9	E-W (M-S)	0.5	4.2	1.0	1		4.45	na	4.30	hvo	kcaldeep			later reading; mag agereement ok	all hawaii island
5/10/62	15:56:04.9	N-S (M-S)	0.5	4.2	1.0	1		4.45	na	4.30	hvo	kcaldeep			later reading; mag agereement ok	all hawaii island
5/10/62	15:56:04.9	SP Vert (HTL)	12.0	4.2	1.0	1	s-p = 34 s	4.64	na	4.30	hvo	kcaldeep			later reading; mag agereement ok	all hawaii island
5/10/62	15:56:04.9	E-W (M-S)	1.0	4.2	1.0	1	repeat	4.76	na	4.30	hvo	kcaldeep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	N-S (M-S)	0.5	4.2	1.0	1	repeat	4.45	na	4.30	hvo	kcaldeep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	SP Vert (HTL)	13.0	4.2	0.5	1	repeat	4.67	na	4.30	hvo	kcaldeep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	E-W (M-S)	1.1	4.2	1.0	1	repeat; noise 0.7mm, 1s	4.80	na	4.30	hvo	kcaldeep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	N-S (M-S)	1.1	4.2	1.0	1	repeat; noise 0.5mm, 1s	4.80	na	4.30	hvo	kcaldeep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	SP Vert (HTL)	12.0	4.2	0.5	1	repeat	4.64	na	4.30	hvo	kcaldeep			earlier reading; mag agreement ok	all hawaii island
5/11/62	16:37:23.4	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kcaldeep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kcaldeep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	SP Vert (HTL)	5.0	4.2	1.0	1		4.26	na	3.70	hvo	kcaldeep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	E-W (M-S)		4.2			no repeat		na	3.70	hvo	kcaldeep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	N-S (M-S)		4.2			no repeat		na	3.70	hvo	kcaldeep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	SP Vert (HTL)	5.0	4.2	1.0	1	repeat	4.26	na	3.70	hvo	kcaldeep			hvo mag low for felt report-4.0?	east half hawaii island
5/24/62	8:58:09.9	E-W (M-S)		4.25		3	record missing		na	3.70	hvo	swr sf deep				all hawaii island
5/24/62	8:58:09.9	N-S (M-S)		4.25		3	record missing		na	3.70	hvo	swr sf deep				all hawaii island
5/24/62	8:58:09.9	SP Vert (HTL)		4.25		3	record missing		na	3.70	hvo	swr sf deep				all hawaii island
6/5/62	9:35:21.3	E-W (M-S)		4.25		3	record missing		na	3.90	hvo	kuer sf				hilo, pohakuloa, puna, pahala, volcano
6/5/62	9:35:21.3	N-S (M-S)		4.25		3	record missing		na	3.90	hvo	kuer sf				hilo, pohakuloa, puna, pahala, volcano
6/5/62	9:35:21.3	SP Vert (HTL)		4.25		3	record missing		na	3.90	hvo	kuer sf				hilo, pohakuloa, puna, pahala, volcano

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
6/14/62	2:34:55.3	E-W (M-S)		4.2		3	record missing		na	4.30	hvo	kcaldeep				all hawaii island
6/14/62	2:34:55.3	N-S (M-S)		4.2		3	record missing		na	4.30	hvo	kcaldeep				all hawaii island
6/14/62	2:34:55.3	SP Vert (HTL)		4.2		3	record missing		na	4.30	hvo	kcaldeep				all hawaii island
7/14/62	17:37:53.1	SP Vert (HTL)	7.5	4.10	1.0	1	s-p = 31 s			4.0		mauna kea				
7/31/62	13:24:15.8	E-W (M-S)		4.25		3	no trace; noisy record-out of adjustment		na	3.70	hvo	kuer sf				hilo
7/31/62	13:24:15.8	N-S (M-S)		4.25		3	no trace; noisy record-out of adjustment		na	3.70	hvo	kuer sf				hilo
7/31/62	13:24:15.8	SP Vert (HTL)		4.25		3	no trace; noisy record-out of adjustment		na	3.70	hvo	kuer sf				hilo
8/18/62	9:30:06.5	SP Vert (HTL)	1.7	4.15	1.0	1	signal/noise approx 2			4.0		hilea				
8/19/62	02:58:00	E-W (M-S)	7.5	4.25	5.0	3		4.77	na	4.40		kuer sf			hvo mag low	
8/19/62	02:58:00	N-S (M-S)	5.5	4.25	5.0	3		4.64	na	4.40		kuer sf			hvo mag low	
8/19/62	02:58:00	SP Vert (HTL)	20.0	4.25		3	min amp; duration = 210 s	5.06	na	4.40		kuer sf			hvo mag low	
8/19/62	2:58:41.8	E-W (M-S)	9.0	4.25	8.0	3		4.85	na	4.60	hvo	kuer sf			hvo mag low	all hawaii island
8/19/62	2:58:41.8	N-S (M-S)	5.0	4.25	6.0	3		4.60	na	4.60	hvo	kuer sf			hvo mag low	all hawaii island
8/19/62	2:58:41.8	SP Vert (HTL)	28.0	4.25	1.0	1	s-p = 36 s	5.21	na	4.60	hvo	kuer sf			hvo mag low	all hawaii island
9/8/62	13:58:58.0	E-W (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	na	4.10	hvo	kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	N-S (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	na	4.10	hvo	kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	SP Vert (HTL)	8.0	4.35	1.0	1	light trace-hard to read	4.76	na	4.10	hvo	kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	E-W (M-S)		4.35			no repeat		na	4.10	hvo	kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	N-S (M-S)		4.35			no repeat		na	4.10	hvo	kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	SP Vert (HTL)	9.0	4.35	1.0	1	repeat	4.81	na	4.10	hvo	kuer sf os			mag agreement ok	hilo, hnp
9/11/62	17:22:49.8	E-W (M-S)	0.3	4.2	1.5	1.5	no trace; threshold mag	3.90	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	SP Vert (HTL)	7.0	4.2	1.0	1	light trace-hard to read	4.41	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	E-W (M-S)		4.2			no repeat		na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	N-S (M-S)		4.2			no repeat		na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	SP Vert (HTL)	7.0	4.2	1.0	1	repeat	4.41	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:25:27.5	E-W (M-S)		4.2		3	no trace		na	3.60	hvo	glenwood deep			hvo mag low for felt report-4.0?	all hawaii island
9/11/62	17:25:27.5	N-S (M-S)		4.2		3	no trace		na	3.60	hvo	glenwood deep			hvo mag low for felt report-4.0?	all hawaii island
9/11/62	17:25:27.5	SP Vert (HTL)	3.0	4.2	1.0	1	light trace-hard to read	4.04	na	3.60	hvo	glenwood deep			hvo mag low for felt report-4.0?	all hawaii island
9/11/62	5:11:15.0	E-W (M-S)		4.25		3	no trace		na	3.60	hvo	kuer sf			hvo mag low for felt report-4.0?	east hawaii island
9/11/62	5:11:15.0	N-S (M-S)		4.25		3	no trace		na	3.60	hvo	kuer sf			hvo mag low for felt report-4.0?	east hawaii island
9/11/62	5:11:15.0	SP Vert (HTL)		4.25		3	no trace		na	3.60	hvo	kuer sf			hvo mag low for felt report-4.0?	east hawaii island
11/22/62	14:26:10.0	E-W (M-S)	0.6	4.25	1.5	1.5	no trace; threshold mag	4.25	na	3.90	hvo	kuer sf			mag agreement ok	
11/22/62	14:26:10.0	N-S (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	na	3.90	hvo	kuer sf			mag agreement ok	
11/22/62	14:26:10.0	SP Vert (HTL)	0.8	4.25	1.0	1	no trace; threshold mag	3.66	na	3.90	hvo	kuer sf			mag agreement ok	
11/22/62	15:18:21.7	E-W (M-S)	17.0	4.25	4.0	3	repeat-18mm, 4 s	5.13	na	4.10	hvo	kuer sf			m-s mag seems high, hvo mag low for felt report-4.5?	hnp to hilo
11/22/62	15:18:21.7	N-S (M-S)	18.0	4.25	6.0	3		5.15	na	4.10	hvo	kuer sf			m-s mag seems high, hvo mag low for felt report-4.5?	hnp to hilo

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
11/22/62	15:18:21.7	SP Vert (HTL)	8.5	4.25	3.0	3	large surface waves; probably shallow	4.69	na	4.10	hvo	kuer sf			m-s mag seems high, hvo mag low for felt report-4.5?	hnp to hilo
11/22/62	15:18:21.7	E-W (M-S)	3.2	4.25	1.5	1.5	repeat	4.98		4.10	hvo	kuer sf				
11/22/62	15:18:21.7	N-S (M-S)	3.3	4.25	1.5	1.5	repeat	4.99		4.10	hvo	kuer sf				
11/22/62	15:18:21.7	SP Vert (HTL)	7.0	4.25	1.0	1	repeat	4.61		4.10	hvo	kuer sf				
12/14/62	7:36:18.7	E-W (M-S)	1.0	4.2	1.0	1	noisy record	4.76	na	3.70	hvo	kcaldeep			hvo mag low	all hawaii island
12/14/62	7:36:18.7	N-S (M-S)	0.7	4.2	1.0	1		4.60	na	3.70	hvo	kcaldeep			hvo mag low	all hawaii island
12/14/62	7:36:18.7	SP Vert (HTL)	26.0	4.2	1.0	1	s-p = 34 s	4.97	na	3.70	hvo	kcaldeep			hvo mag low	all hawaii island
12/14/62	7:36:18.7	E-W (M-S)	0.8	4.2	1.5	1.5	repeat; noise 0.5mm, 1.5s	4.32		3.70	hvo	kcaldeep				
12/14/62	7:36:18.7	N-S (M-S)	1.0	4.2	1.5	1.5	repeat; noise 0.4mm, 1.5s	4.42		3.70	hvo	kcaldeep				
12/14/62	7:36:18.7	SP Vert (HTL)	32.0	4.2	1.0	1	repeat; s-p = 33 s; high-frequency event	5.07		3.70	hvo	kcaldeep				
12/28/62	11:06:10.1	E-W (M-S)	0.5	4.25	1.5	1.5	no trace; threshold mag	4.17	na	4.10	hvo	kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	N-S (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	na	4.10	hvo	kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	SP Vert (HTL)	4.0	4.25	1.0	1	s-p = 38 s	4.36	na	4.10	hvo	kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	E-W (M-S)		4.25			no repeat		na	4.10	hvo	kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	N-S (M-S)		4.25			no repeat		na	4.10	hvo	kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	SP Vert (HTL)	4.2	4.25	1.0	1	repeat	4.38	na	4.10	hvo	kuer sf			mag agreement ok	east half hawaii island
12/31/62	3:47:19.0	SP Vert (HTL)	1.0	4.15	1.0	1	detected; signal/noise less than 1			4.0		mlswr				
1/8/63	19:39:00	E-W (M-S)	3.0	4.2	0.5	1		5.23	na	4.60		kcaldeep			hvo mag low	all Hawaii island, Maui, Oahu (V)
1/8/63	19:39:00	N-S (M-S)	3.5	4.2	0.5	1		5.30	na	4.60		kcaldeep			hvo mag low	all Hawaii island, Maui, Oahu (V)
1/8/63	19:39:00	SP Vert (HTL)	68.0	4.2	0.5	1		0.00	na	4.60		kcaldeep			hvo mag low	all Hawaii island, Maui, Oahu (V)
1/8/63	20:04:00	E-W (M-S)	0.6	4.2	1.5	1.5	detected; noise 0.6mm, 1.5s; not in seismic summary	4.20	na			kcaldeep eqs	M4.2?			
1/8/63	20:04:00	N-S (M-S)	0.6	4.2	1.5	1.5	detected; noise 0.4mm, 1.5s; not in seismic summary	4.20	na			kcaldeep eqs	M4.2?			
1/8/63	20:04:00	SP Vert (HTL)	9.0	4.2	1.0	1	not in seismic summary	4.51	na			kcaldeep eqs	M4.2?			
1/8/63	20:04:00	E-W (M-S)		4.2			no repeat		na			kcaldeep eqs	M4.2?			
1/8/63	20:04:00	N-S (M-S)		4.2			no repeat		na			kcaldeep eqs	M4.2?			
1/8/63	20:04:00	SP Vert (HTL)	8.0	4.2	1.0	1	repeat	4.46	na			kcaldeep eqs	M4.2?			
1/8/63	19:39:44.9	E-W (M-S)	6.0	4.2	1.0	1		5.53	na	4.30	hvo	kcaldeep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	N-S (M-S)	5.0	4.2	1.0	1		5.45	na	4.30	hvo	kcaldeep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	SP Vert (HTL)	72.0	4.2	1.0	1	light trace/large amplitude	5.42	na	4.30	hvo	kcaldeep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	E-W (M-S)	5.0	4.2	1.5	1.5	repeat; noise 1mm, 1.5s	5.12	na	4.30	hvo	kcaldeep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	N-S (M-S)	5.0	4.2	1.5	1.5	repeat; noise 0.7mm, 1.5s	5.12	na	4.30	hvo	kcaldeep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	SP Vert (HTL)	70.0	4.2	1.0	1	repeat	5.41	na	4.30	hvo	kcaldeep eqs			hvo mag low	all hawaii island, maui, oahu
1/9/63	01:40:00	E-W (M-S)		4.2		3	assume no trace; not in seismic summary		na			kcaldeep eqs	M3.8?			
1/9/63	01:40:00	N-S (M-S)		4.2		3	assume no trace; not in seismic summary		na			kcaldeep eqs	M3.8?			
1/9/63	01:40:00	SP Vert (HTL)	1.0	4.2	1.0	1	not in seismic summary	3.56	na			kcaldeep eqs	M3.8?			
1/9/63	15:19:00	E-W (M-S)		4.2		3	assume no trace; not in seismic summary		na			kcaldeep eqs				
1/9/63	15:19:00	N-S (M-S)		4.2		3	assume no trace; not in seismic summary		na			kcaldeep eqs				
1/9/63	15:19:00	SP Vert (HTL)	2.0	4.2	1.0	1	not in seismic summary	3.86	na			kcaldeep eqs				naalehu to kulani
1/9/63	14:36:24.0	E-W (M-S)	0.9	4.2	1.5	1.5	no trace; threshold mag	4.37	na	3.20	hvo	kcaldeep eqs			hvo mag low	hawaii island

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
1/9/63	14:36:24.0	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.20	hvo	kcaldeep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	SP Vert (HTL)	11.0	4.2	1.0	1	s-p = 34 s	4.60	na	3.20	hvo	kcaldeep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	E-W (M-S)		4.2			no repeat		na	3.20	hvo	kcaldeep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	N-S (M-S)		4.2			no repeat		na	3.20	hvo	kcaldeep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	SP Vert (HTL)	9.0	4.2	1.0	1	repeat	4.51	na	3.20	hvo	kcaldeep eqs			hvo mag low	hawaii island
1/9/63	19:23:08.9	E-W (M-S)		4.2		3	no trace; not in seismic summary		na			kcaldeep eqs				
1/9/63	19:23:08.9	N-S (M-S)		4.2		3	no trace; not in seismic summary		na			kcaldeep eqs				
1/9/63	19:23:08.9	SP Vert (HTL)	4.5	4.2	1.0	1		4.21	na			kcaldeep eqs				
1/9/63	1:41:06.2	E-W (M-S)	1.2	4.2	1.5	1.5	detected	4.50	na	4.20		kcaldeep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	N-S (M-S)	0.7	4.2	1.0	1	detected; reread 0.8mm, 1.5s; noise 0.4mm, 1.5s	4.60	na	4.20	hvo	kcaldeep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	SP Vert (HTL)	22.0	4.2	1.0	1		4.90	na	4.20	hvo	kcaldeep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	E-W (M-S)	1.3	4.2	1.5	1.5	repeat; noise 0.6mm, 1.5s	4.53	na	4.20	hvo	kcaldeep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	N-S (M-S)	0.8	4.2	1.5	1.5	repeat; noise 0.4mm, 1.5s	4.32	na	4.20	hvo	kcaldeep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	SP Vert (HTL)	20.0	4.2	1.0	1	repeat	4.86	na	4.20	hvo	kcaldeep eqs			hvo mag low	all hawaii island
1/9/63	1:45:15.0	E-W (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	na	3.40	hvo	kcaldeep eqs			hvo mag low	
1/9/63	1:45:15.0	N-S (M-S)	0.4	4.2	1.5	1.5	no trace; threshold mag	4.02	na	3.40	hvo	kcaldeep eqs			hvo mag low	
1/9/63	1:45:15.0	SP Vert (HTL)	5.0	4.2	1.0	1		4.26	na	3.40	hvo	kcaldeep eqs			hvo mag low	
1/9/63	1:45:15.0	E-W (M-S)		4.2			no repeat		na	3.40	hvo	kcaldeep eqs			hvo mag low	
1/9/63	1:45:15.0	N-S (M-S)		4.2			no repeat		na	3.40	hvo	kcaldeep eqs			hvo mag low	
1/9/63	1:45:15.0	SP Vert (HTL)	5.0	4.2	1.0	1	repeat	4.26	na	3.40	hvo	kcaldeep eqs			hvo mag low	
2/17/63	19:7:44.5	SP Vert (HTL)	12.0	4.00	0.5	1				4.1		kona offshore				
3/25/63	17:18:35.0	SP Vert (HTL)	32.0	3.50	1.0	1				3.9		haleakala				
3/25/63	8:31:51.8	SP Vert (HTL)	20.0	4.10	1.0	1				4.5		mauna kea				
6/7/63	8:25:38.8	SP Vert (HTL)	3.0	4.15	0.5	1				4.2		hilea				
6/14/63	21:17:57.0	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kcaldeep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	N-S (M-S)	0.3	4.2	1.5	1.5	no trace; threshold mag	3.90	na	3.70	hvo	kcaldeep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	SP Vert (HTL)	5.0	4.2	1.0	1		4.26	na	3.70	hvo	kcaldeep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	E-W (M-S)		4.2			no repeat		na	3.70	hvo	kcaldeep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	N-S (M-S)		4.2			no repeat		na	3.70	hvo	kcaldeep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	SP Vert (HTL)	5.0	4.2	1.0	1	repeat	4.26	na	3.70	hvo	kcaldeep			hvo mag low-4.2?	hnp, kulani, n kona
7/11/63	12:43:57.5	E-W (M-S)		4.25		3	no trace		na	3.80	hvo	kuer sf			hvo mag low-4.2?	volcano to hilo
7/11/63	12:43:57.5	N-S (M-S)		4.25		3	detected?		na	3.80	hvo	kuer sf			hvo mag low-4.2?	volcano to hilo
7/11/63	12:43:57.5	SP Vert (HTL)	2.5	4.25	1.0	1		4.16	na	3.80	hvo	kuer sf			hvo mag low-4.2?	volcano to hilo
10/12/63	2:52:47.8	E-W (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	na	3.80	hvo	ler?			mag agreement ok	hnp
10/12/63	2:52:47.8	N-S (M-S)	0.3	4.35	1.5	1.5	no trace; threshold mag	4.05	na	3.80	hvo	ler?			mag agreement ok	hnp
10/12/63	2:52:47.8	SP Vert (HTL)	2.6	4.35	1.0	1	noise 2.3mm, 1s	4.27	na	3.80	hvo	ler?			mag agreement ok	hnp
10/23/63	21:24:47.0	SP Vert (HTL)	3	4.20	0.5	1				3.8		kaoiki				
10/24/63	4:25:28.6	SP Vert (HTL)	1.5	4.20	1.0	1	detected			3.5		kaoiki				
10/26/63	1:29:34.0	SP Vert (HTL)	3.0	4.20	1.0	1	detected			3.8		kaoiki				
11/4/63	7:23:25.4	SP Vert (HTL)	5.0	3.85	1.0	1	s-p = 29 s			3.7		kohala				
11/15/63	19:01:26.5	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kcaldeep			hvo mag low-4.3?	half hawaii island
11/15/63	19:01:26.5	N-S (M-S)	0.4	4.2	1.5	1.5	detected; noise 0.4mm, 1.5s	4.02	na	3.80	hvo	kcaldeep			hvo mag low-4.3?	half hawaii island
11/15/63	19:01:26.5	SP Vert (HTL)	18.0	4.2	0.8	1	s-p approx. 36 s	4.82	na	3.80	hvo	kcaldeep			hvo mag low-4.3?	half hawaii island
11/15/63	19:01:26.5	E-W (M-S)	0.4	4.2	1.5	1.5	repeat; detected; noise 0.4mm, 1.5s	4.02	na	3.80	hvo	kcaldeep			hvo mag low-4.3?	half of hawaii island

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report
11/15/63	19:01:26.5	N-S (M-S)	0.3	4.2	1.5	1.5	repeat; no trace; threshold mag	3.90	na	3.80	hvo	kcaldeep			hvo mag low-4.3?	half of hawaii island
11/15/63	19:01:26.5	SP Vert (HTL)	18.0	4.2	1.0	1	repeat	4.82	na	3.80	hvo	kcaldeep			hvo mag low-4.3?	half of hawaii island
11/15/63	19:01:26.5	SP Vert (HTL)	20.0	4.2	1.0	1	repeat s-p = 33 s	4.86	na	3.80	hvo	kcaldeep			hvo mag low-4.3?	half of hawaii island