Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
9/01/1903	19:16					east hawaii								5.16						5.16	hono	felt	Warshauer notes: felt at Hilo	not listed in Hon station bulletin (Hazard, 1910); found on Hon film record; PCA, 10/14/1903; HG, 10/16/1903; not found in HS, HEB, HH, HT or MN
2/18/1904	10:25					east hawaii								4.97						4.97	hono	IV?	Warshauer notes: vigorous earthquake felt in Hilo between 10 and 11 o'clock	found on Hon film record; PCA, 2/22/1904; HS, 2/20/1904; HT, 2/19/1904; not found in HG, HEB
3/19/1904	21:00					east hawaii								< 5.2						5.00	int	V?	Lyman notes: one smart shock from SW.	not found in Hon Station Bulletin (Hazard, 1910); not found on Hon film record; WKC, 1992, p. 28; not found in HS, HEB, HG, MN, HT, HH or PCA
3/29/1904	11:45					kohala								5.38						5.38	hono	felt	Warshauer notes: A severe earthquake was felt in Kohala on the afternoon of the 29th inst. It lasted ten minutes, moved NW from Kohala toward Mahukona; felt in Kohala [11:45] and Waimea [no time]	found on Hon film record; HG, 4/5/1904; PCA, 4/13/1904; not found in HS, HEB, MN, HH or HT
3/29/1904	11:48					kohala??								5.32						5.32	hono			not recognized in newspaper reports; Hon seismogram suggest different location
4/4/1904	7:39					molokai?														5.30	int	V (S&C)	Hon notes: local earthquake about 18:05 [GMT on April 4]. Instrument not recording at that time; Warshauer notes: quite a severe shock was felt here Monday morning at 7:30. No damage done	Hon Station Bulletin (Hazard, 1910); PCA, 4/11/1904; HH, 4/7/1904; not found in MN
4/29/1904	22:30					kaoiki??								5.79						5.79	hono	VI?	Warshauer notes: On Friday, April 29 at 10:30 o'clock [pm] a most severe earthquake shock was felt at Keauhou and Punaluu. The shock lasted about eight seconds and was apparently from north to south; heavy shock at Pepeekeo [10:15] [same quake?]	not listed in Hon station Bulletin (Hazard, 1910); found on Hon film record; PCA, 5/7/1904; 5/16/1904; not found in HH or HT
6/4/1904	12:25					molokai?								5.63						5.63	hono	VI; V (S&C)	Hon notes: local, boom caught by spider web; Lyman notes: a long gentle shake about 12 noon [suggests farther from Hilo than Kilauea's distance]; Warshauer notes: felt sharply at Wailuku and around the island of Maui; some damage done outside of Wailuku	Hon station Bulletin (Hazard, 1910) [Appearance of Hon seismogram suggests distance of Hawaii or closer]; WKC, 1992, p. 28; MN, 6/11/1904
7/17/1904	14:00					kaoiki??								4.97						4.97	hono	V-VI (hilo); ≤ V (Kau)	Lyman notes: a 2 shock quake, the 2nd quite hard; In the afternoon [of July 17] there was an earthquake accompanied by rumbling sounds; also felt and heard by the Lymans while resting by the three craters	not reported in Hon Station Bulletin (Hazard, 1910); found on hon film record; WKC, 1992, p. 28; VHR, v. 4, W.D. Westerveldt entry dated 7/20/1904
10/14/1904	3:40					maui?								5.35						5.35	hono	V	Lyman notes: a slight shock; Warshauer notes: 3:40 am; distinct shock in Hilo; sharp and prolonged in Honolulu; heavy at Lahaina; violent shaking in East Maui; felt reports from Kohala, Puueo (Hilo), Waiawa and Aliamanu (Oahu), and Kipahulu (Maui)	not reported in Hon Station Bulletin (Hazard, 1910); seen on hon film record; WKC, 1992, p. 28; HT, 10/18/1904; PCA, 10/15; 17, 11/18/1904; MN, 10/15/1904; not found in HH
5/3/1905	15:16					kl sf?								5.33						5.33	hono	V	Lyman notes: a long tremble, hard at the end, throwing down some things, 3:30 PM; Warshauer notes: first of 3 shocks, felt in Hilo (heaviest in 9 yrs) and volcano (distinct), and Hamakua coast; dishes rattled and damage to furniture and bric-a-brac (Hilo)	WKC, 1992, p. 28; HH, 5/4/1905; HT, 5/9/1905; PCA, 5/10; 12/1905: time given as 3:18 p.m.; HS, 5/6; 10, 1905; [Lyman comment may be exchanged with the following event; possible foreshock to event at 16:07]
5/3/1905	16:07					kl sf?								6.18						6.18	hono	VI; V (W&K; S&C)	Lyman notes: a long tremble and a twister; W&K notes: eastern or southern Hawaii; Warshauer notes: another shock at 4:10 PM, stronger (Hilo) than the first; rang church bell; damage to furniture, bric-a-brac and china; also felt volcano and Hamakua coast	Hon Station Bulletin (Hazard, 1910); WKC, 1992, p. 28; WK, 1992, p. 32; HH, 5/4/1905; HT, 5/9/1905; PCA, 5/10, 12/1905; HS, 5/6, 10/1905; not in MN; [Lyman comment exchanged with previous event?-seismogram shows this as a larger event. s-p about 1 minute]
5/3/1905	18:40					kl sf?								<5.22						5.00	desp	felt	Lyman notes: a long tremble slight, at 6:40 p.m.; Warshauer notes: probably felt on Hamakua coast; 6:35 p.m., weakest of three shocks felt in Hilo; shock at 6:34	aftershock; not found on hon film record; WKC, 1992, p. 28; HH, 5/4/1905; HT, 5/9/1905; PCA, 5/10; 12/1905; HS, 5/6; 10/1905
5/7/1905	19:20					kl sf?								5.03						5.03	hono	felt	Warshauer notes: a shock at 7:20 p.m. felt in Hilo	aftershock?; found on Hon film record; PCA, 5/12/1905; HT, 5/9/1905; not found in HS

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5/28/1905	9:22					north hawaii								<5.22						4.50	desp	IV?	Lyman notes: one smart shock and a tremble; Warshauer notes: felt at Honomu (10 a.m.; sharp), Kohala Mission (9:27 a.m.), Waimea (10:25 a.m. [9:25?]; smart) and Kealakekua (9:15 a.m.)	not reported in Hon Station Bulletin (Hazard, 1910); not found on hon film record; WKC, 1992, p. 28; PCA, 6/6/1905; not found in MN, HH or HT
4/25/1906	1:47					north hawaii								6.01						6.01	hono	V	Hon notes: seismogram impulsive, incorrect amp in Hon bull.; Lyman notes: a smart shake at 2 am; Warshauer notes: heavy in (2 a.m.), followed by two slight at intervals of 10 min., Hakalau (1:57 a.m.) and Kau (2 a.m.), direction N to S	Hon Station Bulletin (Hazard, 1910); WKC, 1992, p. 29; PCA, 5/1/1906; not found in MN; fred-check berkeley
9/4/1906	3:15					east hawaii								<5.41						5.30	int	V	Lyman notes: [9/3-wrong?] a smart shake, 2 shocks, SE & NW; Warshauer notes: severe [in Hilo] at 3:15 a.m.; not perceived at the Volcano House, felt lightly at Mountain View.; A sharp earthquake shock awakened most Hilonians at 3:15 a.m., no damage	not reported in Hon Station Bulletin (Hazard, 1910); not found on hon film record-disturbed record; WKC, 1992, p. 29; PCA, 9/5/1906; HH, 9/4/1906, quoted in PCA, 9/10/1906
1/8/1907	15:00					ml swr?								< 5.35						5.90	int	VI?	Warshauer notes: Slight shocks felt at several stations [north Hawaii] from 8th to 10th inc. [no individual reports]; over 50 shocks at Pahala 8th-9th, one quite heavy on PM of 8th w swaying bushes/trees [not mentioned in Lyman Diary]	time assumed; not found on hon film record; PCA, 1/11; 15; 18/1907; HG, 1/11/1907; HS, 1/11/1907; HEB, 1/11/1907; HT, 1/15/1907; not in HH or MN; [precursory seismicity north of Mokuaweoweo--saddle??; large event might be Hilea]
1/10/1907	13:31					hilea?								5.82						5.82	hono	felt	Hon notes: probably local; [Honolulu seismogram is impulsive]; Lyman notes: a slight long tremble at 1:30 PM; Warshauer notes: Earthquake shocks were felt during the week at a number of stations in the western and southern portions of Hawaii.	Hon station bulletin (Hazard, 1911); WKC, 1992, p. 29; PCA, 1/22/1907; HS, 1/22/1907; HT, 1/15/1907: Warshauer note, cont.: The observer at Kau (Waiohinu) reports many earthquake shocks felt on the 10th and 11th, and a light one on the 16th
1/10/1907	13:31					hilea?								5.82						5.82	hono	felt	Warshauer notes: At Kapapala numerous earthquakes yesterday, none very severe. One shock at 1:30 o'clock . . .; quite a heavy shock [at Pahala], plainly observing the trees and bushes swaying back and forth; several thumps felt, rotary motion	HEB, 1/12/1907; HG, 1/18/1907; HS, 1/22/1907; HEB, 1/31/1907
6/11/1907	3:40					hilea?								< 5.27						4.50	int	IV-V?	notes: heavy shocks of earthquakes at 3:43 on Hawaii; also felt at Paauilo, Laupahoehoe, Naalehu-	not found on hon film-disturbed rec; no mention in VHR entry on this date; WKC, 1992, p. 29; PCA,
7/5/1907	23:45					molokai??								4.60						4.60	hono	felt	Lyman notes: a long continued shake near 12 last night; Warshauer notes: slight shock felt over Honolulu at 11:55 p.m., duration a few sec, quite distinct; slight at Makawao [Maui} at 11:40 p.m.; distinct on Maui and throughout territory at 11:45	not reported in Hon Station Bulletin (Hazard, 1911); found on hon film record; WKC, 1992, p. 29; PCA, 7/6; 16/1907; MN, 7/13/1907; not found in HEB, HH or HT
9/5/1907	18:52					kl sf?								5.16						5.16	hono	V	Hon notes: tremor; Lyman notes; a smart 2 shock quake, dur several sec; Warshauer notes: severe quake in Hilo, dur several min; ship in dock shook stem to stern, wharf shaken; felt all haw island, esp Kohala, Kau, Papaikou; volcano light, wire interrupted	Hazard, 1911; WKC, 1992, p. 29; HEB, 9/6; 7/1907; PCA, 9/8/1907
12/19/1907	20:55					alenuihaha deep?								5.63				4.9	this catalog area of intensity V (W&K, p. 26)	5.63	hono	V	Hon notes: local shock; Warshauer notes: an earthquake felt all over Honolulu. Two shocks followed within a few seconds, the entire disturbance occupying about fifteen seconds; also felt in Nuuanu valley, Palolo, Waikiki and Kalihi; details in bib	Hazard, 1911; PCA, 12/20; MN, 12/21/1907 [not mentioned by Cox, 1986 or WK, 1992]
9/20/1908	20:15					kl sf								6.70				6.2; 6.8	USSR; (S&C) [from Abe, 1981]	6.70	hono	VII; VI (S&C)	Hon Notes: a sharp local shock, which probably has its origin near the volcano Kilauea on the island of Hawaii; W&K notes: int 5-6 Hilo to Puna, probably Kilauea south flank	Hazard, 1911 [amp on Hon seismogram much larger than M6.2 11/2/18, traces large and obscure each other, max amp extrapolated]; WK, 1992, p. 32, 62
9/26/1908	20:05					kl sf								<5.2						4.00	desp	IV?	Lyman notes: Quite a smart shake; Warshauer notes: 2 quakes, this one at 8:04 PM, short but particularly sharp [Largest aftershock of 9/20/08]	aftershock; not found on hon film record; WKC, 1992, p. 30; PCA, 10/5/1908; HH, 10/1/1908

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10/24/1908	17:45					hilea?								5.16						5.16	hono	felt	Warshauer notes: The following earthquake shocks were reported felt--all from Hawaii: 24th--Naalehu, light followed by heavier, Kealakekua (Davis) 5:45 p.m., lasting two seconds	found on hon film record; PCA, 11/4/1908; not found in HS, HEB, HH or HT
3/13/1909	3:30					kl cal deep??								5.35						5.35	hono	V	Hon notes: local shock, felt generally over Island of Hawaii, recorded on magnetograph; Lyman notes: shook water out of vases, no damage done	Hazard, 1912 [time of large waves and ending time given]; no mention in VHR entry on this date; WKC, 1992, p. 30; PCA, 3/23/1909 [in USE, no int or mag]
4/19/1910	3:45					kilauea?														5.30	int	V	Lyman notes: a smart 2 shock shake, North + South; Warshauer notes: very sharp shock Tuesday [Apr. 19] at about 3:50 a.m., awakened persons in Hilo; short duration; little damage except to crockery too close to shelf edges. Kilauea flared up after quake.	not found on hon film record; ESPHVO, v. 1, p. 28 [repeats info]; WKC, 1992, p. 30; HH, 4/21/1910; not found in PCA, HG, HS, HEB or HT
7/14/1911	11:30					maui deep?								5.91						5.91	hono	V?	continued slight tremble; Warshauer notes: felt all territory; Honolulu-duration 20 sec, nowhere severe; Maui-two severe shocks at Wailuku, buildings shook, people ran out; Hawaii-felt	seismogram s-p <1 min]; ESPHVO, v. 1, p. 36 [repeats info, but gives 13th as date]; WKC, 1992, p. 30; PCA, 7/15; 19/1911; HS, 7/14/1911; HEB, 7/14/1911; HH, 7/20/1911; not found in HT or MN
8/25/1911	7:15					kl mer?								< 5.3						4.50	int	IV-V	a strong shock [felt at Halemaumau] causing a heavy landslide from the north black ledge	not found on hon film record; ESPHVO, v. 1, p. 44-45; do
4/10/1912	10:00					south hawaii														5.30	int	V; IV (W&K)	Lyman notes: a slight shake, rattling things some; Warshauer notes: shock felt by hundreds in Hilo, inside and out, motion west to east, duration 17 seconds, 5 sec pause, 20 sec shake, 30 sec pause, three slight 10 sec shocks, separated by 2-3 sec pauses	not reported in Hon Station Bulletin (Hazard, 1913); not on hon film record; not in ESPHVO supp. (Jaggar, 1947); WKC, 1992, p. 31; HH, 4/11/1912; HS, 4/13/1912; not in PCA, HG, HEB or HT [kaoiki guessed if s-p is 5 sec and possibility of aftershocks]
5/5/1912	8:58					hilea?								5.16						5.16	hono	V	Warshauer notes: It appears that the shock reported at Hilo on Sunday week [May 5] was severely felt on the Kau coast as well. The quake was distinctly felt aboard the steamer Kilauea. lying at Honuapo; landslide from sea cliffs observed	Hon Station Bulletin (Hazard, 1913); not mentioned in ESPHVO supp. (Jaggar, 1947); HS, 5/6/1912, quoted in HH, 5/16/1912; not found in HT, HEB, HG or PCA
5/14/1912	13:43					east hawaii								5.52						5.52	hono		Hon notes: very slight, amplitude 0.3 mm, duration 1 hr 16.3 min [strange that this doesn't correspond to the much heavier event on the 22nd!]; Lyman notes: May 15, quite a shake [no time given; event on the 14th or the 22nd]	Hon station bulletin (Hazard, 1913); not mentioned in ESPHVO supp. (Jaggar, 1947); WKC, 1992, p. 31; not found in HT, HG, HS, HEB or PCA
5/22/1912	23:00					kl sf?								< 5.33						5.90	int	VI-VII	Hawaii; Warshauer notes: heaviest shake in years [Hilo], tidal waves in ponds, livestock terrorized,	not found on hon film record; ESPHVO supp. (Jaggar, 1947, p. 15); PCA, 5/24; 27/1912; HT,
10/13/1912	5:45					alenuihaha deep?		40	130.0	130.0	136.0			5.02						5.02	hono	V; V (W&K)	Hon notes: Local shock, felt on all the islands; 8 maxima, wakened light sleepers at Volcano House, felt distinctly at Hilo, lightly in Honolulu; submarine shock, fairly deep, slight energy; Lyman notes: about 5:30 A.M., a long continued shake, not hard	Hazard, 1913 [seismogram shape indicates some distance and not Oahu]; ESPHVO supp (Jaggar, 1947, p. 44) [origin at a moderate rather than great distance]; PCA, 10/15; 21/1912 [repeats info in Jaggar, 1947]; WKC, 1992, p. 31
12/5/1912	2:14					oahu					448.0			5.25						5.25	hono		Hon amp 1.1 mm; moderate shock at its origin 280 mi from HVO; very small at HVO; duration many minutes; second phase at 2:15:06 and third phase at 2:15:53, both very distinct	Hazard, 1913 [assume double amp of 1 mm to get separate phases]; ESPHVO supp (Jaggar, 1947, p. 55); not reported in PCA, HSB, HH or MN
12/17/1912	15:21					kaoiki??					22.4	IV (cancani)	4.03							4.03	nomo	felt	duration approx. 4 min; distance 13-15 mi; not reported felt	ESPHVO supp (Jaggar, 1947, p. 59)
3/25/1913	22:57					kl sf?					32.0	IV-V (Cancani)	4.58	<5.1						4.58	nomo		duration 3 min 13 sec	not reported in Hon Station Bulletin (Hazard, 1913); ESPHVO supp (Jaggar, 1947, p. 80); not reported in HG, HSB or HH
5/15/1913	8:30					kohala??					108.0	medium II (Cancani)	4.23							4.23	nomo		moderate local shock, duration 4 min; distance 65-70 mi	ESPHVO supp (Jaggar, 1947, p. 86); PCA, 5/25/1913; repeats HVO info; not reported in HH or HT
5/18/1913	19:51					kl sf?					14.0	(Cancani); off scale;	>4.6	5.22						5.22	hono	V; IV-V (R-F)	by 2 short sharp shock; a few minutes before 8 p.m. a moderately strong focal shock was felt at Volcano	1916); seen on hon film record; WKC, 1992, p. 31; ESPHVO supp (Jaggar, 1947, p.86)

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6/19/1913	3:38					kl cal deep??					32.0	III-IV (Cancani); 1.0 mpu	4.04							4.04	nomo		duration 1 min 43 sec	ESPHVO, v. 2, p. 2
6/28/1913	17:58					hilea??					48.0	III-IV (Cancani); 1.0 mpu	4.32							4.32	nomo		duration 3 min 33 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 5; not found in HG, HSB or HH
7/1/1913	9:27					hilea??					48.0	medium III (Cancani); 0.8 mpu	4.19							4.19	nomo		duration 2 min 54 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 5; not reported in HH
7/4/1913	8:22					ml mok??					33.6	III-IV (Cancani); 1.0 mpu	4.07							4.07	nomo		duration 52 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 6; not reported in HH
7/9/1913	2:24					hilea??					41.6	medium III (Cancani); 0.75 mpu	4.05							4.05	nomo		duration 1 min 03 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 7
7/12/1913	3:59					hilea??					48.0	III-IV (Cancani); 1.0 mpu	4.32							4.32	nomo	felt	felt, Kapapala	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 12; not reported in HH
9/8/1913	11:37					kaoiki??					22.4	VI (Cancani); off scale	4.88	<5.22						4.88	nomo	IV (R-F)	Local shock felt at margin of Kilauea, sharply in Hilo; all pens swept off; Lyman notes: a long sharp tremble then a short sharp shake; Warshauer notes: A very sharp and short shock was felt in Hilo Monday morning just before noon; [mag too high?]	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 19; ESPHVO, v. 2, p. 38; WKC, 1992, p. 31; PCA, 9/10/1913; not found in HG, HSB, HT or HH; no additional felt reports in PCA
10/2/1913	7:29					hilea??					44.8	II-III (Cancani); 0.8 mpu	4.14							4.14	nomo		duration 2 min 00 sec	ESPHVO, v. 2, p. 55; not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; not reported in HH
10/25/1913	0:57					kl sf					15.0	off scale	5.27	5.81						5.81	hono	VII; VI (R-F)	Hon notes: felt strongly at Hilo; [at HVO] shook buildings, objects fell, pictures swayed, walls cracked, rockslides, seismometers broken, felt most strongly between Hilo and HVO; Lyman notes: a long smart shaking North and South East	Hazard, 1916; ESPHVO, v. 2, p. 62, 64-65 [distance est. 10-20 km; distance and felt reports implies Kilauea south flank]; WKC, 1992, p. 31
11/7/1913	10:07					hualalai?					76.8	low I (Cancani); 0.5 [0.05?] mpu	4.24							4.24	nomo		duration 57 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 69; not reported in HH
11/10/1913	13:13					hilea??					41.6	III (Cancani); 0.9 mpu	4.16							4.16	nomo		duration 25 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 69; not reported in HH
11/27/1913	13:27					kona?					73.6	III (Cancani); 0.8 mpu	4.49							4.49	nomo		duration 2 min 20 sec; [mag high?]	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 78; not reported in HH
12/14/1913	5:33					alenuihaha??					108.8	III (Cancani); 0.6 mpu	4.59							4.59	nomo		duration 3 min 01 sec; [mag high?]	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 79; not reported in HH
2/14/1914	19:49					kl sf??					17.9	III-IV? (Cancani); 2.5 mpu	4.10							4.10	nomo		d>2 mpu, rapid vibration; duration 1 min 49 sec	ESPHVO, v. 2, p. 116
3/8/1914	2:07					kl sf??					10.9	VI (Cancani); 3 mpu	4.47							4.47	nomo	IV	wakened one sleeping person; several times the mpu; duration 1 min 38 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 148
3/25/1914	9:38					hilea??					42.0	VII [IV?] (Cancani); 11 mpu	4.28	<5.2						4.28	nomo	IV	10-12 mpu [cannot be correct; 1.0-1.2 mpu?]; rattled windows at HVO	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 136, 148; HT, 3/31/1914 repeats ESPHVO info; not found in HH
3/25/1914	19:49					hilea??					51.2	III (Cancani); 0.6 mpu	4.07							4.07	nomo		duration 37 sec	ESPHVO, v. 2, p. 148
3/29/1914	20:04					molokai?					230.0	IV (Cancani); 1.5 mpu	5.65	5.22						5.22	hono	felt	Hon notes: Local. Felt at Honolulu but not at HMO; felt on SE flank of Mauna Loa, more strongly on Maui and Oahu; Warshauer notes: felt strongly in all parts of Honolulu; most severe in Maui in many years; recorded in Washington DC;	[HVO mag high?, hon mag low]; Hon Station Bulletin (Hazard, 1916); ESPHVO, v. 2, p. 140, 149; PCA, 3/30/1914, repeated in HG, 3/31/1914; MN, 4/4/1914; not found in HH

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/13/1914	4:15					hilea??					46.4	(Cancani); 1.1 mpu	4.35								4.35	nomo		duration 1 min 31 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/13/1914	21:28					hilea??					48.0	IV (Cancani); 1.1 mpu	4.25								4.25	nomo	felt	barely felt at HVO; duration 2 min 53 sec? [start time in ESPHVO given as 9:58 PM, in disagreement with end time]; a slight tremor [see below]; [mag too high?]	not found in Honolulu Station Bulletin (Hazard, 1916); ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49; WKC, 1992, p. 31
4/29/1914	14:50					ml mok??					32.0	VI-VII (Cancani); 6 mpu	5.09		<5.22						5.09	nomo	II; II (R-F)	felt, feeble, duration 19 min, minimum 6 mpu; Lyman notes: a long shake E&W then N&S; [Rossi Forel and Cancani readings conflict]; mild shock felt in Hilo by those seated or lying down; long duration; [mag high?]	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 193 [ESPHVO time given as 14:50]; repeated in Wood/1915, table III, p. 49; WKC, 1992, p. 31; HT, 5/5/1914; not found in HH or PCA
4/29/1914	14:59					ml mok??					32.0	V-VI (Cancani); 4.0 mpu	4.85								4.85	nomo	felt	felt?; 2nd maximum in preceding shock; distance approximate; duration 18 sec; [mag high?]	ESPHVO, v. 2, p. 193; repeated in Wood/1915, table III, p. 49; [aftershock?]
5/13/1914	15:41					kl sf??					16.0	medium IV (Cancani); 2.5 mpu	4.09								4.09	nomo		duration 37 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/1/1914	6:29					kl sf??					20.0	offscale	4.76		5.22						5.22	hono	IV; III (R-F)	Hon notes; apparently of a local character; amp 0.1 mm; nearby; felt locally, duration 6 min 37 sec; Lyman notes: quite a smart 4 shock earthquake [no day or time given]; Warshauer notes: at 6:20, two distinct shocks in Hilo, first heavier, no damage	Hazard, 1916; ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49 [6 assumed as minimum mpu for offscale]; WKC, 1992, p. 31; HH, 6/5/1914; not found in PCA, HSB, HT or MN [south flank?]
6/19/1914	11:20					ml mok??					31.0	III-IV (Cancani); 1.0 mpu	4.02								4.02	nomo		duration 1 min 09 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/25/1914	9:29					ml mok??					32.0	III-IV (Cancani); 1.2 mpu	4.15								4.15	nomo		duration 3 min 18 sec; started the ordinary seismograph	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/1914	15:16					kaoiki??					19.8	(Cancani); 3.3 mpu	4.41								4.41	nomo		not perceived, moderate-strong; duration 5 min 35 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/1914	19:18					kaoiki??					20.8	(Cancani); 6.2 mpu	4.81		<5.2						4.81	nomo	felt	moderate-strong; distinctly felt in volcano	1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 195; repeated in Wood/1915, table
7/20/1914	4:03					ml mok??					32.0	V (Cancani);	4.58		5.03						5.03	hono	(hilo); II (R-F)	were wakened [Hawaii National Park?]; a felt shock; Lyman notes: a sharp shock at 4:15 am;	1916); detected? on hon film record; ESPHVO v. 2, p.193, 196; repeated in Wood/1915, table III, p. 49;
9/27/1914	10:06					hilea?						observed-off scale			5.35						5.35	hono	II-III	no instrumental record; probably a succession of shocks, or several maxima in one shock; Lyman notes: at 10:15 am 2 slight shocks & long tremble at the end; Warshauer notes: rather severe shock at 10:14 a.m., N to S, duration 15 sec; also felt elsewhere	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43 [shocks of 9/27-28 considered precursory to ML eruption 2 months later]; WKC, 1992, p. 31: see below; second shock closer to the time recorded in Honolulu [foreshock?]; HH, 10/2/1914; not in PCA
9/27/1914	13:11					hilea?					33.6	IV (Cancani); 1.5 mpu	4.31								4.31	nomo	felt	duration 3 min 02 sec; not felt at HVO; Warshauer notes: quake felt [Hilo] at 1:17 p.m., not as pronounced as one at 10:14 AM; also felt elsewhere [unspecified]	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43; HT, 10/2/1914; not found in PCA
11/6/1914	19:24					kaoiki??					18.9	IV (Cancani); 2.2 mpu	4.13								4.13	nomo		1 mpu in ESPHVO; duration 19 sec; exceptionally short period; not perceived at HVO	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/13/1914	19:57					kaoiki??					24.8	low IV (Cancani); 1.6 mpu	4.14		<5.16						4.14	nomo	V	1.2-1.6 mpu; duration 2 min 10 sec; not felt at HVO; Warshauer notes: [Nov. 13] at 7:50 p.m. a shake of duration 15 sec; distinctly felt at Puueo where pictures hanging from walls swung to and fro; no damage	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44; HH, 11/20/1914; PCA, 11/23/1914
11/15/1914	12:50					kaoiki??					18.7	(Cancani); 2.2 mpu	4.13		<5.16						4.13	nomo	V	before one PM [Nov. 15], a more severe shake [than on the 13th], south to north, duration 10 sec,	repeated in Wood/1915, table 1, p. 44; HH, 11/20/1914; not found in PCA
11/25/1914	12:23					ml mok?					34.4	>IV (Cancani); 2.4 mpu	4.63		<5.2						4.63	nomo		ESPHVO, v. 2, p. 261; repeated in Wood, 1915, table 1, p. 44; not perceived at HVO	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; minimum mpu; recording pen swept from cylinder; distance 21-22 mi
11/25/1914	14:13					ml mok?					36.8	IV (Cancani); 1.08 mpu	4.18								4.18	nomo		duration 4 min 38 sec; not perceived at HVO	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 1, p. 44

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
12/13/1914	19:40					ml mok??					32.0	IV (Cancani); 1.0 mpu	4.31								4.31	nomo		minimum mpu; duration 1 min 20 sec; not perceived at HVO	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
1/13/1915	19:38					a3035					32.0		4.25		<5.22						4.25	nomo	II-III	felt in Hilo; Lyman notes: slight shock, long duration at 7:45 PM	1918); looked for, not seen on hon film record; ESPHVO, v. 2, p. 267; SBHVO, v. 1, no. 1; WKC
1/25/1915	15:35					ml swr?					50.0		4.16								4.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 1
3/28/1915	8:26					kaoiki??					21.0		>5.07		6.37						6.37	hono	V; IV-V (R-F)	shaking for 5-7 sec, 6 maxima, third was strongest, pens thrown off to S and E; clock stopped in Waiohinu where shock strongest to SW of HVO; needles thrown off to N (?) and E [inferred direction NE (SE?) or SW]	Hazard, 1918; not mentioned in WK; ESPHVO, v. 2, p. 285 ; SBHVO, v. 1, no. 2 [distance assumed from preceding and succeeding quake]
3/28/1915	9:06					kaoiki??					21.0				5.52						5.52	hono			[aftershock?]; recorded in Honolulu; lost in mainshock, so not noted in SBHVO, v. 1, no 2
5/26/1915	7:26					kl sf??					31.0		5.24								5.24	nomo	felt	felt by several at Volcano House as a slow swing; origin SE or NW; N-S amplitude =32, E-W = 101, unusually discrepant; Warshauer notes: another quiver felt in Hilo at about 7:30 AM [mag high?].	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; ESPHVO, v. 2, p. 314; SBHVO, v. 1, no. 3; HH, 5/28/1914; HT, 6/1/1915; not found in PCA or HSB
8/15/1915	5:15					a2025					22.0		4.79		<5.2						4.79	nomo	felt	about 5:20; felt at the Volcano House and generally in the vicinity of HVO; Warshauer notes: sharp shock felt in Hilo near 5:15 a.m.	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; ESPHVO, v. 2, p. 347; SBHVO, v. 1, no. 4; HH, 8/20/1915
8/16/1915	13:56					a2025					21.0		4.10								4.10	nomo			SBHVO, v. 1, no. 4
8/31/1915	4:58					a2025					21.0		4.92		<5.2						4.92	nomo	felt	one felt locally, two felt in Hilo; felt generally in the vicinity of HVO [and in Hilo, from ESPHVO	1918); looked for, not seen on hon film record; ESPHVO, v. 2, p. 354; SBHVO, v. 1, no. 4; not
9/25/1915	13:24					mauna kea?					47.0		4.20								4.20	nomo	felt	during the past week and one on Sunday last [Sept. 25] was rather strenuous. It was felt at Honokaa and	1918); looked for, not seen on hon film record; SBHVO (Wood, unpub); HH, 10/1/1915
9/25/1915	13:52					mauna kea?					40.0		4.09								4.09	nomo	felt	felt?--see above	SBHVO (Wood, unpub)
9/25/1915	16:25					kl sf?					21.0	offscale	>4.56		<5.2						4.60	poor	felt	felt-volcano; amplitude assumed	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; SBHVO (Wood, unpub); not found in HH
10/21/1915	3:58					a2025					21.0		4.22								4.22	nomo	felt	morning; probably felt locally	ESPHVO, v. 2, p. 369; SBHVO (Wood, unpub)
11/7/1915	15:01					a3035					32.0		4.02								4.02	nomo			SBHVO (Wood, unpub)
11/20/1915	12:04					kona?					73.0		4.07								4.07	nomo			SBHVO (Wood, unpub)
12/5/1915	5:25					a3035					32.0		4.86								4.86	nomo	II?	felt at volcano house-see below	SBHVO (Wood, unpub)
12/8/1915	1:09					a3035					32.0		4.51								4.51	nomo			SBHVO (Wood, unpub)
1/4/1916	23:15					a2025					21.0		4.06								4.06	nomo			SBHVO (Wood, unpub)
1/10/1916	17:24					a2025					21.0		4.33								4.33	nomo	felt	early evening, Jan. 10; 2 felt in Hilo	ESPHVO, v. 2, p. 385; SBHVO (Wood, unpub)
1/10/1916	18:46					a2025					21.0		4.19								4.19	nomo	felt	early evening Jan. 10; 2 felt in Hilo, not locally	SBHVO (Wood, unpub)
4/9/1916	22:00					ml mok?					35.0		4.91		5.16						5.16	desp	III	Warshauer notes: Earthquakes shook the district severely last night and dismantled the instruments in the Volcano Observatory; [Tom-get original newspaper]	time assumed; not reported in SBHVO (Wood, unpub.) or in Hon Station Bulletin (Hazard, 1918); event on Hon film record at 14:53, 4/08 [differs from newspaper account]; HT, 4/10/1916; not found in PCA, HG, MN or HH
4/28/1916	7:34					kaoiki?					20.0		4.14								4.14	nomo	felt	felt in Hilo, not locally	SBHVO (Wood, unpub)
5/20/1916	8:39					ml swr?					47.0		4.22								4.22	nomo	felt	The first fairly strong shock of the spasm--followed by a brief lull; felt-Hilea	SBHVO (Wood, unpub)
5/20/1916	16:40					ml swr?					40.0		4.14								4.14	nomo	felt	felt-Hilea	SBHVO (Wood, unpub)
5/20/1916	17:07					hilea?					47.0		4.57								4.57	nomo	felt	felt-Hilea	SBHVO (Wood, unpub)
5/21/1916	8:21					hilea?					45.0		5.24		<5.2						5.24	nomo	felt	felt-; presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453, 456; not found in PCA, HSB or MN
5/21/1916	8:33					hilea?					46.0		4.70		<5.2						4.70	nomo	felt	felt-; presumed felt s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453, 456; not found in PCA, HSB or MN

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
5/21/1916	17:51					hilea?					47.0		4.37							4.37	nomo	felt	felt-	SBHVO (Wood, unpub)
5/22/1916	0:02					ml wf??					58.0		>5.06	<5.2						5.10	nomo	felt	minimum amplitude; pens swept off cylinders; presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/22/1916	7:40					hilea?					55.0		4.42							4.42	nomo			SBHVO (Wood, unpub)
5/22/1916	7:42					hilea?					48.0		5.07	<5.2						5.07	nomo	felt	presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); SBHVO (Wood, unpub); record being changed; ESPHVO, v. 2, p. 453
5/22/1916	8:14					hilea?					50.0		5.16	<5.2						5.16	nomo	felt	minimum amplitude; pens swept off cylinders; presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/22/1916	13:27					hilea?					48.0		4.70	<5.2						4.70	nomo	felt	presumed felt s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/22/1916	14:26					hilea?					50.0		4.53							4.53	nomo	felt	presumed felt s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/22/1916	16:05					hilea?					52.0		4.48							4.48	nomo			not found in Honolulu Station Bulletin (Hazard, 1918); SBHVO (Wood, unpub)
5/22/1916	16:52					ml wf??					66.0		5.44							5.44	nomo	felt	pens swept off cylinders; presumed felt HVO, s Hawaii	1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/22/1916	20:21					ml wf??					55.0		4.75	<5.2						4.75	nomo	felt	presumed felt s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/22/1916	21:36					ml swr?					46.0		4.34							4.34	nomo			SBHVO (Wood, unpub)
5/22/1916	21:44					ml swr?					45.0		4.42							4.42	nomo			SBHVO (Wood, unpub)
5/23/1916	4:59					ml wf?					65.0		4.71	<5.2						4.71	nomo	felt	presumed felt s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/23/1916	5:37					hilea?					48.0		4.76	<5.2						4.76	nomo	felt	presumed felt s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/23/1916	5:53					ml wf?					57.5		5.50	5.16						5.16	aver	felt	preferred magnitude calculated as average of nomogram and Honolulu; presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); event seen on Hon film record at 05:50, amp = 0.2 mm [Wood time off?]; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/23/1916	7:13					ml swr?					48.0		4.09							4.09	nomo			SBHVO (Wood, unpub)
5/23/1916	7:48					hilea?					55.0		4.37							4.37	nomo			SBHVO (Wood, unpub)
5/23/1916	9:07					ml swr?					55.0		4.34							4.34	nomo			SBHVO (Wood, unpub)
5/23/1916	13:48					ml wf?					62.0		4.02							4.02	nomo			SBHVO (Wood, unpub)
5/23/1916	17:02					ml swr?					55.0		4.12							4.12	nomo			SBHVO (Wood, unpub)
5/23/1916	23:37					ml wf?					65.0		4.13							4.13	nomo			SBHVO (Wood, unpub)
5/24/1916	6:04					ml wf?					63.0		5.50	<5.2						5.00	aver	felt	preferred magnitude calculated as average of nomogram and Honolulu; presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/24/1916	6:51					hilea?					50.0			5.71						5.71	hono	felt	Pens swept off cylinder; the strongest shock of the series, up to this time, accompanying the eruption; presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); seen on hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/24/1916	12:37					hilea?					46.0		4.51							4.51	nomo	felt	presumed felt s Hawaii	SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/24/1916	13:42					ml swr?					48.0		4.06							4.06	nomo			SBHVO (Wood, unpub)
5/24/1916	16:09					ml swr?					48.0		4.09							4.09	nomo			SBHVO (Wood, unpub)
5/24/1916	19:29					hilea?					49.0		5.32	5.08						5.08	aver	felt	preferred magnitude calculated as average of nomogram and Honolulu; presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); seen on hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
5/25/1916	13:41					ml wf?					58.0		5.45		<5.2						5.00	aver	felt	presumed felt HVO, s Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/25/1916	17:36					hilea?					50.0		4.49								4.49	nomo			SBHVO (Wood, unpub)
5/25/1916	21:50					kaoiki?					26.0		4.23								4.23	nomo			SBHVO (Wood, unpub)
5/25/1916	23:44					ml swr?					40.0		5.02								5.02	nomo	felt	presumed felt HVO, s Hawaii	SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/26/1916	9:19					ml swr?					43.0		4.03								4.03	nomo			SBHVO (Wood, unpub)
5/26/1916	9:26					hilea?									5.08						5.08	hono	V; V (R-F)	Felt distinctly by nearly all, but without stopping pendulum clocks or producing alarm	not found in Honolulu Station Bulletin (Hazard, 1918); seen on hon film record; SBHVO (Wood, unpub)
5/30/1916	20:40					hilea					48.0		4.57		<5.2						4.57	nomo	V	very sharp shock felt in Kau; time given as about 20:15; felt outdoors at flow-source [Mauna Loa southwest rift] but stronger at Waiohinu and; Warshauer notes: one very sharp shock felt in Kau about 8:15 p.m.	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; ESPHVO, v. 2, p. 459; SBHVO (Wood, unpub); HT, 6/7/1916; not found in PCA or HSB
6/5/1916	0:25					kl sf?					24.0		4.05								4.05	nomo			SBHVO (Wood, unpub)
6/5/1916	0:36					kl sf?					23.0		4.49								4.49	nomo			SBHVO (Wood, unpub)
6/5/1916	6:55					kl sf?					26.0		4.00								4.00	nomo			SBHVO (Wood, unpub)
6/5/1916	8:05					kl sf?					24.0		4.05								4.05	nomo			SBHVO (Wood, unpub)
6/5/1916	8:59					kl sf?					24.0	offscale	>4.7		<5.2						4.80	poor		Pens flung off; amplitude assumed	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; SBHVO (Wood, unpub)
6/5/1916	9:40					hualalai?					80.0		4.70								4.70	nomo		near shock; fairly energetic	SBHVO (Wood, unpub)
6/5/1916	10:16					kl sf?					27.0		4.42								4.42	nomo			SBHVO (Wood, unpub)
6/5/1916	11:32					kl sf?					32.0		4.37								4.37	nomo		here followed continuous vibration for several minutes [earthquake coda? or harmonic tremor?]	SBHVO (Wood, unpub)
6/5/1916	11:46					kl sf?					22.0		4.29								4.29	nomo			SBHVO (Wood, unpub)
6/5/1916	12:13					kl sf?					22.5		4.23								4.23	nomo			SBHVO (Wood, unpub)
6/5/1916	12:14					kl sf?					23.0		4.85								4.85	nomo			SBHVO (Wood, unpub)
6/5/1916	12:16					kl sf?					26.0		4.08								4.08	nomo			SBHVO (Wood, unpub)
6/5/1916	13:15					kl sf?					23.0		4.62								4.62	nomo			SBHVO (Wood, unpub)
6/5/1916	13:19					kl sf?					23.0		4.40								4.40	nomo			SBHVO (Wood, unpub)
6/5/1916	20:03					kl sf?					23		4.22								4.22	nomo			SBHVO (Wood, unpub)
6/6/1916	10:28					kl sf?					22.0		4.73								4.73	nomo			SBHVO (Wood, unpub)
6/6/1916	13:02					molokai?					150.0		4.28								4.28	nomo		near shock	SBHVO (Wood, unpub)
6/6/1916	19:26					molokai?					200.0		4.24								4.24	nomo		near shock	SBHVO (Wood, unpub)
6/7/1916	14:34					kl sf?					23.0		4.59								4.59	nomo			SBHVO (Wood, unpub)
6/7/1916	16:55					kl cal deep?					31.0		4.26								4.26	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/9/1916	9:50					kl sf?					26.0		>4.9		<5.2						5.00	nomo		Pens swept off cylinder; minimum amplitude	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); not found in HH
6/12/1916	6:45					kl sf?						off scale			5.41						5.41	hono	V; low VI (R-F)	Hon notes: apparently local; Lyman notes: 2 shocks at 6:45 a.m.; Warshauer notes: severe in Hilo although less than last year's quake [Mar. 28, 1915], animals alarmed, pictures swung, crockery rattled; duration 10-15 sec, south to north	Hazard, 1918; WKC, 1992, p. 31 [this is the last Lyman entry-time agrees with the Hon Station Bulletin]; HH, 6/16/1916
6/24/1916	8:01					kl sf?					21.0		4.30								4.30	nomo	felt	felt at HVO	ESPHVO, v. 2, p. 479; SBHVO (Wood, unpub)
7/11/1916	21:41					kl sf?					42.0		5.04		<5.2						5.04	nomo	felt	pens swept off cylinder; distance from 4 sec s-p; amplitude assumed; severe shock felt in Hilo at 9:55 p.m.; duration almost one minute [wood time assumed to be 12 hours off for consistency with note about the preceding quake being lost in next]	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; SBHVO (Wood, unpub); HH, 7/14/1916 [wood time GMT 20:11 7/12-see note to right]
7/21/1916	8:00					a2025					24.0		4.35								4.35	nomo			SBHVO (Wood, unpub)
9/4/1916	10:50					kaoiki?					21.0		4.02								4.02	nomo			SBHVO (Wood, unpub)
9/28/1916	11:46					ml mok?					34.0		4.51								4.51	nomo			SBHVO (Wood, unpub)
11/12/1916	6:22					a2025					23.5		4.18								4.18	nomo			SBHVO (Wood, unpub)
11/12/1916	13:26					a2025					22.0		4.25								4.25	nomo	felt	felt locally, more strongly in Hilo	ESPHVO, v. 2, p. 529; SBHVO (Wood, unpub); not found in HH or HT

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
12/5/1916	13:15					hilea?					40.0		4.12							4.12	nomo	III	rattled windows at HVO; not perceived	ESPHVO, v. 2, p. 539; SBHVO (Wood, unpub); not found in HH
1/31/1917	18:04					a3035					34.0		4.03							4.03	nomo			SBHVO (Wood, unpub)
3/10/1917	23:46					a2025					22.0		4.46							4.46	nomo	felt	felt locally, quite sharply	SBHVO (Wood, unpub); not found in HH or HT
3/14/1917	4:57					kona?					72.0		4.09							4.09	nomo	felt	felt locally, rattled windows?	SBHVO (Wood, unpub); not found in HH or HT
6/27/1917	3:08					a3035					32.0		4.11							4.11	nomo		This is the last earthquake recorded in the Wood unpublished archive	SBHVO (Wood, unpub)
7/28/1917	20:05					kl sf?								<5.2						5.20	poor	VI	Warshauer notes: earthquake shook Hilo shortly after 8 PM [Jul. 28], swaying buildings, sending people into the streets; began with a long tremble gradually augmenting in force until windows rattled; generally felt over the island; severest in many years	not found in Honolulu Station Bulletin (Hazard, 1920); looked for, not seen on Hon film record; PCA, 8/1/1917; HH, 8/3/1917
7/29/1917	2:05					kl sf?								<5.2						5.20	poor	V-VI	Warshauer notes: A second quake followed six hours later and again buildings shook and people ran into the streets. No damage is reported except near Laupahoehoe, where a huge stone rolled down and tore up the road	not found in Honolulu Station Bulletin (Hazard, 1920); looked for, not seen on Hon film record; PCA, 8/1/1917; not found in HH
5/21/1918	15:30					kl cal deep?								5.14						5.14	hono	IV	generally felt on island of Hawaii; felt at HVO as a prolonged n-s rocking;	not found in Honolulu Station Bulletin (Hazard, 1920); seen on hon film record; ESPHVO, v. 2, p. 777
5/21/1918	19:27					kl cal deep??					25.0		4.27							4.27	desp		moderate	ESPHVO, v. 2, p. 777
5/22/1918	15:30					kl cal deep??					25.0		4.27							4.27	desp		moderate	ESPHVO, v. 2, p. 777
6/7/1918	11:21					hawaii?								5.16						5.16	hono		time differences and seismogram consistent with local shock or part of a teleseism; magnitude calculated assumes Hawaii origin	Honolulu Station Bulletin (Hazard, 1920); not mentioned in ESPHVO; not found in PCA, HSB, HDT, HH or DPH
6/14/1918	11:13					ml wf?						off scale		5.76						5.76	hono	V-VI (naalehu)	Hon notes: local shock, very irregular; generally felt, seismograph pens flung in S80E direction, near shock of great intensity, items thrown from shelves in Naalehu in a westerly direction (ground displaced to east); long, slow swaying; duration 45 min	Honolulu Station Bulletin (Hazard, 1920); ESPHVO v. 2, p. 785, 787
11/1/1918	23:33	19	24	155	27	kaoiki						st		6.40				6.2	W&K	6.40	aver	VII (W&K)	Hon notes: sharp earthquake from the island of Hawaii, with renewed activity at Kilauea; felt all island of Hawaii, most strongly in Kau with damage at Kapapala; first movement WNW, toward Mokuaweoweo; duration 53 min	Isoseismal map in W&K [wrong date given]; Hon Station Bulletin (Hazard, 1920); ESPHVO v. 2, p. 840, 843; preferred mag calculated as average of hon and W&K; Hilea observer recorded time as 11:36 PM
11/1/1918	23:38					kaoiki?					22.1	s?	4.19							4.19	poor	felt	felt Hilea; lost in mainshock?	aftershock; ESPHVO, v. 2, p. 840, 843
11/1/1918	23:44					kaoiki?					22.1	s?	4.19							4.19	poor	felt	recorded instrumentally; felt Hilea, time recorded as 11:46	aftershock; ESPHVO, v. 2, p. 840, 843
11/1/1918	23:52					kaoiki?					22.1	s?	4.19							4.19	poor	felt	recorded instrumentally; felt Hilea, time recorded as midnight	aftershock; ESPHVO, v. 2, p. 843
11/2/1918	5:00					kaoiki?					22.1	s?	4.19							4.19	poor	felt	pronounced; felt Hilea	aftershock; ESPHVO, v. 2, p. 843
1/27/1919	16:53					molokai?								4.77						4.77	hono	V (W&K) II-III (Hon)	Hon & USEQ notes: Felt by many persons in the islands; Warshauer notes: A very brief but sharp earthquake shock was felt on Maui by many persons in different parts of the island; also felt on Oahu; Romberg says local to Oahu within 20 mi of Honolulu	Hon Station Bulletin (Hazard, 1922) [1/28--Jan. 27 in newspaper accounts; seismogram appears too short for Hawaii Island; intensity 5 not substantiated]; PCA, 2/2/1919; MN, 1/31/1919; not found in HH or DPH
2/25/1919	21:25					kl sf?								5.20						5.20	hono	felt	strongly felt; Warshauer notes: a sharp, grinding, abrupt earthquake felt in Hilo, the Volcano House, Puna district generally, and even in the Kohalas. Kawaihae noted that it was strongly felt at the wireless station; quake product of upward pressure	not reported in Hon station bulletin; seen on Hon film record; duration 7 min; ESPHVO, v. 2, p. 899, 903; PCA, 2/26/1919; HDT, 2/26; 27/1919; MN, 2/28/1919; not found in HSB or DPH
6/2/1919	16:14					hilea?					38.0	s?	4.08	<5.2						4.08	desp	IV?	large amplitude; felt strongly in Kau district, not locally	not found on Hon film record; ESPHVO, v. 2, p. 951; HDT, 6/10/1919 [repeats ESPHVO]; not found in HH or DPH; distance and amplitude assumed
8/26/1919	2:04					kl cal deep?								<5.2						5.00	desp	V (W&K)	moderate shock; strongly felt in Hilo and Kona	not reported in Hon Station Bulletin (Hazard, 1922); not found on Hon film record; ESPHVO, v. 2, p. 994 995; not found in HH

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
9/14/1919	17:20	19	12	155	33	hilea?						st			5.99				6.1	W&K	5.99	aver	VII (Kau)	Hon notes: Volcanic disturbance on Mauna Loa, Hawaii; recorded on all three variometers of the magnetograph; a strong quake felt generally on Hawaii island and slightly on Maui and Oahu; 2 aftershocks within 1 hr; dur > 1 h;	Isoseismal map in W&K; Hon Station Bulletin (Hazard, 1922); ESPHVO, v. 2, p. 1001, 1002; damage report in ESPHVO; HSB, 9/15; 16/1919; Warshauer notes: severe shock recorded on UH seismometer
9/18/1919	3:37					hilea?						st			5.46						5.46	hono		Hon notes: Local, recorded on magnetograph; A second strong local shock was registered at HVO; there was another strong local shock and two others in the course of thirty seconds; Warshauer notes: Another shock took place on September 18	Hon Station Bulletin (Hazard, 1922); ESPHVO, v. 2, p. 1001, 1005; PCA, 9/28/1919; not found in HSB, HH, DPH or MN
9/26/1919	14:20					ml swr?					38.0	s	4.31								4.31	nomo		slight	ESPHVO, v. 2, p. 1008
9/26/1919	14:34					ml swr?					38.0	f	3.76								4.40	calc		5 additional very slight shocks; times not given; preferred magnitude calculated as nomogram magnitude multiplied by number of events	ESPHVO, v. 2, p. 1008
9/30/1919	4:35					ml swr?					52.0	s	4.52								4.52	nomo		slight	ESPHVO, v. 2, p. 1025
10/5/1919	7:48					hilea?					47.0	m-st	4.99		<5.16						4.99	nomo		Local seismic movements in unusual number registered beginning Oct. 5; 14 shocks recorded in six days, all but two were feeble [disagrees with tabulation on p. 1025]	not found on Hon film record; 43.2-51.2 km; ESPHVO, v. 2, p. 1017, 1025 [note: during this period m-st amplitude assumed to be 40 mm, corresponding to moderate, to agree with Hon magnitudes]; not found in PCA, HDT, HH, DPH or MN; see note for 9/29
10/6/1919	4:13					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1025
10/7/1919	13:46					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1025
10/9/1919	4:25					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1025
10/9/1919	6:40					hilea?					47.0	m	4.95		<5.0						4.95	nomo			not found on Hon film; ESPHVO, v. 2, p. 1025
10/9/1919	11:28					hilea?					47.0	m	4.95		5.16						5.16	hono			event [teleseism?] on Hon film record at 11:28; [accepted as local; HVO time of 10:26 one hour off?; ESPHVO, v. 2, p. 1025
10/9/1919	12:30					hilea?					47.0	s	4.45								4.45	nomo		and two other slight quakes	ESPHVO, v. 2, p. 1025
10/11/1919	18:06					hilea?					47.0	s	4.45								4.45	nomo	III (R-F)?	slight[ly felt?] at Hilea [time given as 10/11, 19:45, not consistent with Whitney record. We assign the felt report to the nearest m-st event]	ESPHVO, v. 2, p. 1031
10/12/1919	10:50					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/13/1919	16:00					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/13/1919	18:15					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/13/1919	18:30					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/14/1919	0:15					hilea?					47.0	s	4.45								4.45	nomo	felt	culmination of eqs with 18 shocks registered on Oct. 14; 7-14 shocks per day thereafter, mostly slight; distances accord with Kahuku rift; no strong shocks since September; 4 shocks reported as felt at Hilea between Oct. 11 and 17, dur 1-3 s, II-IV (R-F)	ESPHVO, v. 2, p. 1026, 1031; HDT, 10/16/1919
10/14/1919	6:52					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo	IV (R-F)?	moderate[ly felt?] at Hilea [time given as 10/13, 7:15, not consistent with Whitney record. We assign the felt report to the nearest m-st event]	looked for, not seen on Hon film record; ESPHVO, v. 2, p. 1031; see note for 10/5/19
10/14/1919	13:52					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/14/1919	23:06					hilea?					47.0	s	4.45								4.45	nomo		and three other small disturbances	ESPHVO, v. 2, p. 1031
10/15/1919	8:28					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo	IV (R-F)?	0:00, not consistent with Whitney record. We assign the felt report to the nearest m-st event]; Warshauer notes: recurrence of earthquakes yesterday	not found on Hon film record; 43.2-51.2 km; ESPHVO, v. 2, p. 1031; PCA, 10/16/1919; HDT, 10/16/1919; see note for 10/5/19
10/15/1919	10:20					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/15/1919	15:40					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/16/1919	9:00					hilea?					47.0	st	5.23		<5.16						5.23	nomo		none of the four strong ones registered Oct. 16-18 was reported at Hilea	not found on Hon film record; 43.2-51.2 km; 43.2-51.2 km; ESPHVO, v. 2, p. 1030, 1031
10/16/1919	9:05					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/16/1919	15:35					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/16/1919	20:20					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo		none of the four strong ones registered Oct. 16-18 was reported at Hilea	not found on Hon film record; 43.2-51.2 km; 43.2-51.2 km; ESPHVO, v. 2, p. 1030, 1031; see note for 10/5/19
10/17/1919	5:40					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031
10/17/1919	8:35					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1031

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
10/17/1919	23:25					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo	II (R-F)?	none of the four strong ones registered Oct. 16-18 was reported at Hilea; And three other small disturbances; weak[ly felt?] at Hilea [time given as 10/15, 0:00, not consistent with Whitney record. We assign the felt report to the nearest m-st event]	not found on Hon film record; 43.2-51.2 km; ESPHVO, v. 2, p. 1030, 1031; see note for 10/5/19
10/18/1919	13:14					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo		none of the four strong ones registered Oct. 16-18 was reported at Hilea	not found on Hon film record; 43.2-51.2 km; ESPHVO, v. 2, p. 1030, 1033; see note for 10/5/19
10/19/1919	3:50					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1033
10/19/1919	7:10					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1033
10/19/1919	12:10					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo			not found on Hon film record; ESPHVO, v. 2, p. 1033; see note for 10/5/19
10/21/1919	11:00					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1033
10/21/1919	12:23					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo			not found on Hon film record; ESPHVO, v. 2, p. 1033; see note for 10/5/19
10/22/1919	12:40					hilea?					47.0	st	5.23		<5.0						5.23	nomo		prob not strong	not found on Hon film record; ESPHVO, v. 2, p. 1033
10/22/1919	14:08					hilea?					47.0	vst	5.53		5.57						5.57	hono	felt	Hon notes: Local shock; very strong, felt	Hon Station Bulletin (Hazard, 1922); ESPHVO, v. 2, p. 1034
10/23/1919	0:20					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo			not found on Hon film record; ESPHVO, v. 2, p. 1034; see note for 10/5/19
10/23/1919	16:35					hilea?					47.0	m-st	4.99		<5.0						4.99	nomo		And one other small disturbance	not found on Hon film record; ESPHVO, v. 2, p. 1034; see note for 10/5/19
10/24/1919	12:30					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1034
10/24/1919	13:12					hilea?					47.0	vst	5.23		<5.0						5.23	nomo		cannot be very strong	not found on Hon film record; ESPHVO, v. 2, p. 1034
10/25/1919	16:30					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/25/1919	20:00					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/1919	4:18					hilea?					47.0	s	4.45								4.45	nomo	felt	felt at Hilea; none on this day felt at eruption site	ESPHVO, v. 2, p. 1043
10/26/1919	7:15					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/1919	9:58					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/1919	10:49					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/1919	12:48					hilea?					47.0	s	4.45								4.45	nomo		listed in error as AM	ESPHVO, v. 2, p. 1043
10/26/1919	19:02					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/1919	20:10					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/1919	20:43					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/27/1919	1:30					hilea?					47.0	s	4.45								4.45	nomo			ESPHVO, v. 2, p. 1043
10/27/1919	5:17					hilea?					47.0	m-st	4.99		<5.2						4.99	nomo			not found on Hon film record; ESPHVO, v. 2, p. 1043; see note for 10/5/19
10/29/1919	5:00					hilea?					47.0	m-st	4.99		<5.2						4.99	nomo	felt	felt in Kona	not found on Hon film record; ESPHVO, v. 2, p. 1043; see note for 10/5/19
10/31/1919	5:12					hilea?					47.0	m-st	4.99		<5.27						4.99	nomo			not found on Hon film record; ESPHVO, v. 2, p. 1043; see note for 10/5/19
11/11/1919	8:42					hilea?					47.0	s	4.45								4.45	nomo	IV (R-F) at Hilea	felt at Hilea	10 sec duration; ESPHVO, v. 2, p. 1050; time of felt report 9:00-assigned to this quake
11/13/1919	11:52					hilea?					47.0	s	4.45								4.45	nomo	V (R-F) at Hilea	felt at Hilea	15 sec duration; ESPHVO, v. 2, p. 1050; time of felt report 12:00-assigned to this quake
11/25/1919	21:58					maui?					176.0				4.87						4.87	hono	IV	Hon notes: amp 0.2; strongly felt in Maui; Warshauer notes: sharply felt in Maui at 10:03 p.m., rattled doors and windows, duration several seconds, no damage; shook upper floors of frame buildings	Hon Station Bulletin (Hazard, 1922); ESPHVO, v. 2, p. 1059; HSB, 11/26/1919; MN, 11/28/1919; not found in PCA, HDT, HH or DPH
1/18/1920	8:10					kl sf?				19.5	21.5	s?	4.17								4.17	desp	felt	felt at Hilea	ESPHVO, v. 2, p. 1100
1/24/1920	15:15					kl sf?				19.5	21.5	m-st	4.44								4.44	nomo	felt	recorded at Hilo; strongly felt at Hilea as a double jolt accompanied by a loud rumbling	not reported in Hon Station Bulletin (Hazard, 1922); looked for, not seen on Hon film record-possible event at 14:28, amp = 0.3 mm; possible teleseism; ESPHVO, v. 2, p. 1103; see note for 10/5/19; not found in HDT, HH or DPH
3/26/1920	5:35					hilea?					48.0	s	4.469								4.47	nomo			ESPHVO, v. 2, p. 1137

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
5/15/1920	2:20					maui?					190.0	m?	5.683								5.68	int	III-IV (Honolulu); III, III (R-F) (Hilea); V (Maui)	felt in Honolulu as a very perceptible shock; felt in Hilea; Warshauer notes: sharpest shock on Maui in years, sleepers awakened, duration several seconds, no damage; felt in Honolulu as two distinct shocks	not reported in Hon Station Bulletin (Hazard, 1922); looked for, not seen on Hon film record [disturbed instrument-working??]; ESPHVO, v. 2, p. 1158; MN, 5/21/1920; not found in HDT, HSB or PCA
5/24/1920	6:00					hilea?					48.0	m	4.96		5.08						5.08	hono	IV-V; IV (R-F) at Hilea	felt in Hilea	not reported in Hon Station Bulletin (Hazard, 1922); event seen on Hon film record at 05:55, amp = 0.15 mm [HVO time wrong?]; ; ESPHVO, v. 2, p. 1162; not found in PCA, HSB, HDT, HH, DPH or MN
5/26/1920	1:55					hilea?					48.0	m	4.96		<5.16						4.96	nomo	IV-V; IV (R-F) at Hilea	felt in Hilea	not reported in Hon Station Bulletin (Hazard, 1922); looked for, not seen on Hon film record; ESPHVO, v. 2, p. 1162; not found in PCA, HSB, HDT, HH, DPH or MN
8/16/1920	19:20					hilea?					40.0	m-st	4.88								4.88	nomo	felt	felt at HVO and Hilea	not found on Hon film record; ESPHVO, v. 2, p. 1195; see note for 10/5/19; not found in PCA, HSB, HDT, HH, DPH or MN
9/9/1920	23:59					hilea?					43.2	s	4.396								4.40	nomo			ESPHVO, v. 2, p. 1204
10/27/1920	5:33					kl sf?					16.0	m?	4.201						5.3	int	4.20	aver	V	felt locally; NW or SE from Whitney; Warshauer notes: At 5:35 a.m. a pronounced earthquake shock, three distinct rocking motions followed by lengthy shivering. Houses tipped back and forth and sleepers awakened; felt in all districts of Hilo	not reported in Hon Station Bulletin (Hazard, 1922); looked for, not seen on Hon film record; ESPHVO, v. 2, p. 1232; DPH, 10/27/1920, HH, 10/29/1920; not found in PCA; dist assumed >5 mi to fit felt report; pref mag average of int mag and nomo mag
3/8/1921	16:24					a2530					28.8	s	4.11								4.11	nomo		azimuth NE-SW	ESPHVO, v. 3, p. 79
3/17/1921	13:27					kona?					66.0	f	4.15								4.15	nomo	felt	probably felt in Kona	ESPHVO, v. 3, p. 79
3/19/1921	15:44					kaoiki?					28.8	m	4.61								4.61	nomo	felt	felt in Hilea and probably in Pahala	not reported in Hon Station Bulletin (Hazard, 1924); Hon film record not available; ESPHVO, v. 3, p. 79
4/1/1921	5:26					a3035					33.6	m	4.72								4.72	nomo	felt	azimuth NE-SW; felt generally on Hawaii	not reported in Hon Station Bulletin (Hazard, 1924); Hon film record not available; ESPHVO, v. 3, p. 96; not in HH
5/6/1921	16:55					a3035					32.0	s	4.19								4.19	nomo	felt	azimuth NW-SE; felt locally	ESPHVO, v. 3, p. 117
5/19/1921	21:21					south hawaii?					25.0	m	4.51								4.50	nomo	felt	felt over most of Hawaii; distance assumed to agree with felt report (M range 4-5)	not reported in Hon Station Bulletin (Hazard, 1924); Hon film record not available; ESPHVO, v. 3, p. 117; not in HH
6/24/1921	12:24					a2530					28.8	m	4.61								4.61	nomo	felt	azimuth NW-SE; felt locally and in Hilo	not reported in Hon Station Bulletin (Hazard, 1924); Hon film record not available; ESPHVO, v. 3, p. 133
7/29/1921	19:01					mauna kea?					59.2	f	4.07								4.07	nomo	felt	felt strongly in Waimea	ESPHVO, v. 3, p. 154
9/30/1921	0:39					a2530					28.8	s	4.11								4.11	nomo			ESPHVO, v. 3, p. 187
11/7/1921	12:59					a2530					27.2	s	4.07								4.07	nomo			ESPHVO, v. 3, p. 217
1/26/1922	8:35					mauna kea?					64.0	s	4.67								4.67	nomo	felt	felt in Kohala	not reported in Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 234
2/3/1922	0:33					a2530					28.8	s	4.11								4.11	nomo		azimuth SW-NE	ESPHVO, v. 3, p. 241
2/21/1922	7:55					kl sf?					32.0	m [st?]	4.68		5.78	5.65					5.72	hono	VI	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	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
2/21/1922	14:56					kl sf?					32.0	s	4.19								4.19	nomo	felt	aftershock?; felt locally	ESPHVO, v. 3, p. 241
3/12/1922	14:33					kl cal deep??					32.0	m	4.68								4.68	nomo	V	azimuth-ESE; felt locally and in Hilo; Dismantled instruments; Warshauer notes: On Sunday afternoon an earthquake shock, slightly more severe than [last month's], shook Hilo for possibly 30 seconds. Some crashes of china on plate rails; no other damage	not reported in Hon Station Bulletin (Hazard, 1924); HVO, v. 3, p. 252; HDT, 3/14/1922; Warshauer notes cont.: Houses and buildings quivered and shimmied.
3/12/1922	16:55					kl cal deep??					32.0	s	4.19								4.19	nomo		aftershock?	ESPHVO, v. 3, p. 252
5/21/1922	10:13					kl sf?					16.0	m	4.20								4.20	nomo	felt	felt locally	ESPHVO, v. 3, p. 288, 290

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
5/22/1922	16:53					kl sf??					16.0	m [st?]	4.20		5.98	6.08					6.03	hono	felt	dismantled instruments; felt locally; also at Hilo, Honomu and Waiohinu: Warshauer notes: several papers note earthquakes; DPH says "earthquakes are frequent in all the region," "earthquakes felt in Hilo for a fortnight"	Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 275, 288, 290; DPH, 5/27, 29/1922; HDT, 5/30, 31/1922; HSB, 5/30/1922 [quotes Jaggar]; not found in HA or MN
5/22/1922	22:24					kl sf?					16.0	m	4.48								4.48	nomo	III	dismantled instruments; felt locally	ESPHVO, v. 3, p. 288, 290; distance assumed
5/24/1922	21:58					kl sf?					16.0	m	4.20								4.20	nomo	felt	felt locally; and at Hilo, and?	ESPHVO, v. 3, p. 275, 288, 290; distance assumed
5/25/1922	0:43					kl sf?					16.0	m	4.20								4.20	nomo	felt	felt locally; and at Hilo, and?	ESPHVO, v. 3, p. 288, 290; distance assumed
5/25/1922	2:00					kl sf?					16.0	m	4.20								4.20	nomo	felt	felt locally; and at Hilo, and?	ESPHVO, v. 3, p. 288, 290; distance assumed
5/25/1922	6:15					kl sf					16.0	m	4.48								4.48	nomo	III	instruments dismantled; felt locally; and at Hilo, and?	ESPHVO, v. 3, p. 288, 290
5/25/1922	21:36					kl sf?					16.0	m	4.48		5.15	5.27					5.21	hono	felt	dismantled instruments; felt locally and at Hilo, Honomu and Waiohinu?	ESPHVO, v. 3, p. 288; distance assumed
5/25/1922	23:24					kl sf					14.4	m	4.40								4.40	nomo	III	dismantled instruments; felt locally; and at Hilo, Honomu and Waiohinu?	ESPHVO, v. 3, p. 289, 290
5/25/1922	23:26					kl sf?					16.0	m	4.20								4.20	nomo	felt	felt locally; and at Hilo, Honomu and Waiohinu?	ESPHVO, v. 3, p. 289, 290; distance assumed
5/25/1922	23:43					kl sf					17.6	m	4.27								4.27	nomo	felt	felt locally; and at Hilo, Honomu and Waiohinu?	ESPHVO, v. 3, p. 289, 290
5/27/1922	18:54					kl sf?					16.0	m	4.48								4.48	nomo	III	dismantled instruments; felt locally	ESPHVO, v. 3, p. 289; distance assumed
5/27/1922	20:04					kl uer?					8.0	m	4.00								4.00	nomo	III	dismantled instruments; felt locally	ESPHVO, v. 3, p. 289
5/28/1922	15:40					kl sf?					17.6	m	4.54								4.54	nomo	III	dismantled instruments; felt locally	ESPHVO, v. 3, p. 289
5/28/1922	19:57					kl mer?		5	12		13.0	m	4.33								4.33	nomo	III	instruments; felt locally; Warshauer notes: precursory earthquake created rift through which	5/30/1922; HSB, 5/29; 30/1922; DPH, 5/29/1922; HDT, 5/30; 31/1922; HH, 6/1 missing
6/2/1922	6:21					kl uer?					9.6	m	4.12								4.12	nomo	III	do; dismantled instruments; felt locally	ESPHVO, v. 3, p. 302; distance assumed
7/20/1922	19:58					hilea??					40.0	s	4.34								4.34	nomo			not found in Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 319
7/24/1922	16:59					hilea??					38.4	s	4.31								4.31	nomo	felt	felt locally; Warshauer notes: There was a sharp shock of earthquake yesterday afternoon at exactly 5 o'clock, and it was more especially noticeable in the center of the city [Hilo], although no damage was done; not felt at Volcano House	not found in Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 319; HDT, 7/25/1922
10/13/1922	23:08					mauna kea?					64.0	s	4.67								4.67	nomo	felt	felt in Hilo and strongly in Kohala	not found in Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 354
10/18/1922	11:13					a3035					32.0	s	4.19								4.19	nomo			not found in Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 354
10/29/1922	22:13					a2530					25.6	s	4.03								4.03	nomo	felt	felt in Hilo	ESPHVO, v. 3, p. 354
11/21/1922	3:27					kl sf??									5.32	5.67					5.50	hono	VI	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	Hon Station Bulletin (Hazard, 1924); not mentioned in WK; ESPHVO, v. 3, p. 357, 358, 359, 363; DPH, 11/21/1922; HH, 11/23/1922; HDT, 11/21; 23/1922; HA, 11/22/1922; duration 5 minutes on Hilo seismograph; see also bib
11/22/1922	0:15					kl sf??					14.4	m	4.13		nomo						4.13	nomo	V	e-w component dismantled; Warshauer notes: slight earthquake sufficient to waken light sleepers felt in Hilo; two separate shocks at 12:20 a.m. with a slight interval between	aftershock; not in Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 358, 363; DPH, 11/22/1922; HDT, 11/23/1922; duration 5 minutes on the Hilo seismograph
12/16/1922	5:00					ml mok??					35.2	s	4.25		nomo						4.25	nomo			not found in Hon Station Bulletin (Hazard, 1924); ESPHVO, v. 3, p. 374
1/14/1923	1:00					hilea??															4.00	felt	IV?	foreshock?; Warshauer notes: Reports of an earlier temblor about 1 o'clock are also heard from several persons	MN, 1/15 1923
1/14/1923	2:28					hilea?						st			6.01	5.91					5.95	hono	IV (oahu); V-VI (hilea)	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	Hon Station Bulletin (McFarland, 1929); Cox, 1986 [awakened thousands implies int 5, more typically 4]; ESPHVO, v. 3, p. 378, 381, 386
1/24/1923	2:29					hilea??					38.4	m	4.57								4.57	nomo			1929); aftershock?; ESPHVO, v. 3, p. 386; not in HA or HSB

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
2/9/1923	20:41					hilea??					45.0	m	4.68	4.50	4.50					4.50	hono	IV-V	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	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
3/3/1923	23:46					a1320					19.2	m	4.09							4.09	nomo	felt	felt in Hilo	ESPHVO, v. 3, p. 401
4/1/1923	10:45					mauna kea??					36.8	s	4.28							4.28	nomo		NW-SE	not found in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 413; not in HTH
5/30/1923	12:06					a2530					28.8	s	4.11							4.11	nomo		SE-NW	ESPHVO, v. 3, p. 429
11/15/1923	10:40					a3035					35.2	s	4.25							4.25	nomo			not in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 488
12/14/1923	5:34					ml mok??					36.8	s	4.28							4.28	nomo	felt	felt in Hilo, Kona and Kau	not in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 497
12/25/1923	18:46					molokai?					260.0	vf	4.83							4.83	nomo	IV (oahu)	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.	not reported in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 497; Cox, 1986; MN, 12/28/1923
12/28/1923	16:37					mauna kea??					43.2	m	4.65							4.65	nomo	III	instruments dismantled; felt over east Hawaii; Warshauer notes: quake exceptionally severe in Kau district; felt at HVO and along the Hamakua coast as far as Honomu.	not reported in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 497; HTH, 12/31/1923
1/8/1924	10:46					ml wf??					45.0	s	4.20							4.20	nomo	felt	felt in Kona	not reported in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 504; distance assumed
3/10/1924	17:45					kl sf?					28.8	s	4.11							4.11	nomo			ESPHVO, v. 3, p. 512, 513
3/29/1924	1:27					kl sf?					43.2	s	4.40							4.40	nomo	IV	felt, Hilo; Warshauer notes: Hilo felt a pretty strong quake at 1:35 a.m. today. Houses in several parts of the town rocked, but no damage was done.	not reported in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 512, 513; HTH, 3/29/1924
4/10/1924	22:46					kl sf?					30.4	s	4.15							4.15	nomo	V?	strongish earthquake in Puna, felt in Hilo and reported quite severe in some districts; felt locally, and in Hilo; [distance of 9 mi actually 19? (assume sf from felt reports); east rift traversed on 4/11 and again on 4/16, no new cracks observed]	not reported in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 516, 525
4/19/1924	7:23					kl ler?					40.0	s	4.34							4.34	nomo			ESPHVO, v. 3, p. 525; distance assumed
4/28/1924	11:35					kl ler					43.2	s	4.40							4.40	nomo			not reported in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 527
5/10/1924	23:59					kl cal 0-5?					4.0	f	2.20							4.01	nomo		see note for 5/1/24; untabulated feeble = 98	Phreatic explosions begin evening of 5/10, lasting through 5/27; ESPHVO, v. 3, p. 529-560; 101 earthquakes, 3 felt; 2 explosions; ESPHVO, v. 3, p. 557; table
5/11/1924	23:59					kl cal 0-5?					4.0	f	2.20							4.04	nomo		see note for May 1, 1924; untabulated feeble = 107; beginning of diary of observations made during 1924 crisis; no earthquakes mentioned	111 earthquakes, 3 felt; 1 explosions; ESPHVO, v. 3, p. 557; table; Jaggar, 1947, p. 214
5/14/1924	23:59					kl cal 0-5?					4.0	f	2.20							4.00	nomo		see note for 5/1/24; untabulated feeble = 96	113 earthquakes, 17 felt; 3 explosions; ESPHVO, v. 3, p. 557; table
5/15/1924	23:59					kl cal 0-5?					4.0	f	2.20							4.07	nomo		see note for 5/1/24; untabulated feeble = 116	132 earthquakes, 15 felt; 2 explosions; ESPHVO, v. 3, p. 557; table
5/16/1924	17:33					kl cal deep?					31.0	st?	4.94	5.04	5.38					5.21	hono		Hon notes: timing very similar to quake of May 30	Hon Station Bulletin (McFarland, 1929); not reported in Jaggar, 1947, p. 218; not found in MN
5/16/1924	23:59					kl cal 0-5?					4.0	f	2.20							4.35	nomo		see note for 5/1/24; untabulated feeble = 231	276 earthquakes, 45 felt; 4 explosions; ESPHVO, v. 3, p. 557; table
5/16/1924	23:59					kl cal 0-5?					4.0	s	2.74							4.22	nomo		see note for 5/1/24; untabulated slight = 42	276 earthquakes, 45 felt; 4 explosions; ESPHVO, v. 3, p. 557; table
5/17/1924	23:59					kl cal 0-5?					4.0	s	2.74							4.10	nomo		see note for 5/1/24; untabulated slight = 31	150 earthquakes, 30 felt; 3 explosions; ESPHVO, v. 3, p. 557; table
5/17/1924	23:59					kl cal 0-5?					4.0	f	2.20							4.07	nomo		see note for 5/1/24; untabulated feeble = 115	150 earthquakes, 30 felt; 3 explosions; ESPHVO, v. 3, p. 557; table
5/18/1924	23:59					kl cal 0-5?					4.0	f	2.20							4.14	nomo		see note for 5/1/24; untabulated feeble = 138	165 earthquakes, 25 felt; 3 explosions; ESPHVO, v. 3, p. 557; table

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
5/19/1924	21:23					a0513					10.0	m-st	4.04								4.04	nomo	IV	a heavy quake, N-S component dismantled, felt strongly at Glenwood	Jaggar, 1947, p. 227 [for quakes felt away from Kilauea caldera we assign a 10 km slant distance and region "a0513"; calculated magnitudes are constrained by lack of recognition in the Honolulu Seismic Bulletin (McFarland, 1929); film records unavailable]
5/19/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.18	nomo		see note for 5/1/24; untabulated feeble = 150	180 earthquakes, 21 felt; 3 explosions; ESPHVO, v. 3, p. 557; table
5/20/1924	6:17					kaoiki?			19	19.00	21.0	m-st	4.56								4.56	nomo	III	moderate, sharp; instruments dismantled; Warshauer notes: four heavy quakes felt at Hilea during the day [5/20]	ESPHVO, v. 3, p. 552; Jaggar, 1947, p. 230; HA, 5/21/1924
5/20/1924	7:03					kaoiki?			19	19.00	21.0	st	4.67								4.67	nomo		strong; instruments not operating; a very heavy quake; Warshauer notes: four heavy quakes felt at Hilea during the day [5/20]	ESPHVO, v. 3, p. 552; Jaggar, 1947, p. 230; HA, 5/21/1924
5/20/1924	14:40					kaoiki			19	19.00	21.0	m-st	4.56								4.56	nomo	III	a moderate quake, dismantled both pens; origin more distant than Halemaumau, thought to be in Kau; Warshauer notes: . . . four heavy earthquakes felt at Hilea during this day [May 20]	distance of 19 km in Kau direction assumed from report of road cracks (ESPHVO, v. 3, p. 576); not reported in Hon Station Bulletin (McFarland, 1929); see ESPHVO, v. 3, p. 576; Jaggar, 1947, p. 231; HA, 5/21/1924
5/20/1924	20:46					kaoiki?			19	19.00	21.0	m-st	4.56								4.56	nomo	III	four heavy quakes felt at Hilea during the day [5/20]	Jaggar, 1947, p. 232; HA, 5/21/1924
5/20/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.21	nomo		see note for 5/1/24; untabulated feeble = 164	201 earthquakes, 41 felt; 3 explosions; ESPHVO, v. 3, p. 557; table
5/21/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.34	nomo		see note for May 1, 1924; untabulated feeble = 225; Warshauer notes: Almost continual quakes have been recorded during the past two days [May 19-20] at Hilea. . . .	275 earthquakes, 50 felt; 4 explosions; ESPHVO, v. 3, p. 557; table; HA, 5/22/1924
5/21/1924	23:59					kl cal 0-5?					4.0	s	2.74								4.19	nomo		see note for May 1, 1924; untabulated slight = 39; Warshauer notes: Almost continual quakes have been recorded during the past two days [May 19-20] at Hilea. . . .	275 earthquakes, 50 felt; 4 explosions; ESPHVO, v. 3, p. 557; table; HA, 5/22/1924
5/22/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.38	nomo		see note for May 1, 1924; untabulated feeble = 255; Warshauer notes: visit to Kau found no new cracks [but see ESPHVO, v. 3, p. 576]; Kapoho area continues to experience slight earthquakes	339 earthquakes, 75 felt; 3 explosions; ESPHVO, v. 3, p. 557; table; HA. 5/23/1924
5/22/1924	23:59					kl cal 0-5?					4.0	s	2.74								4.13	nomo		see note for May 1, 1924; untabulated slight = 34; Warshauer notes: visit to Kau found no new cracks [but see ESPHVO, v. 3, p. 576]; Kapoho area continues to experience slight earthquakes	339 earthquakes, 75 felt; 3 explosions; ESPHVO, v. 3, p. 557; table; HA. 5/23/1924
5/23/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.28	nomo		see note for May 1, 1924; untabulated feeble = 198; Warshauer notes: Hilea is recording an almost continuous tremble on the seismograph, but no perceptible earthquakes; no activity in Hilo, other than a few scattered and inconsiderable earthquakes	257 earthquakes, 59 felt; 3 explosions; ESPHVO, v. 3, p. 557; table; HA, 5/24/1924, p. 2
5/23/1924	23:59					kl cal 0-5?					4.0	s	2.74								4.22	nomo		see note for May 1, 1924; untabulated slight = 42; Warshauer notes: Hilea is recording an almost continuous tremble on the seismograph, but no perceptible earthquakes; no activity in Hilo, other than a few scattered and inconsiderable earthquakes	257 earthquakes, 59 felt; 3 explosions; ESPHVO, v. 3, p. 557; table; HA, 5/24/1924, p. 2
5/24/1924	3:48					a0513					10.0	m-st	4.04								4.04	nomo	IV	this quake, as with many others, caused the E or SE part of the building to creak first, followed by windows rattling on W side; Warshauer notes: Quakes shake Hilo Saturday morning; A rather strong earthquake shock was felt [in Pahala] early this morning	see note for May 19, 1924; time 11:23; Jaggar, 1947, p. 246; HA, 5/24, 27/1924
5/24/1924	5:51					a0513					10.0	m-st	4.04								4.04	nomo	III	both components dismantled; Warshauer notes: Quakes shake Hilo Saturday morning	see note for May 19, 1924; time 11:23; Jaggar, 1947, p. 246; HA, 5/24/1924
5/24/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.56	nomo	felt	see note for May 1, 1924; untabulated feeble = 400; Warshauer notes: Earthquakes were distinctly felt in Hilo last night [May 23-24], but no tremors were reported from any section today	467 earthquakes, 67 felt; 2 explosions; ESPHVO, v. 3, p. 557; table; HA, 5/25/1924

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
5/24/1924	23:59					kl cal 0-5?					4.0	s	2.74								4.23	nomo	felt	see note for May 1, 1924; untabulated slight = 43; Warshauer notes: Earthquakes were distinctly felt in Hilo last night [May 23-24], but no tremors were reported from any section today	467 earthquakes, 67 felt; 2 explosions; ESPHVO, v. 3, p. 557; table; HA, 5/25/1924
5/25/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.29	nomo		see note for 5/1/24; untabulated feeble = 202	248 earthquakes, 45 felt; 2 explosions; ESPHVO, v. 3, p. 557; table
5/25/1924	23:59					kl cal 0-5?					4.0	s	2.74								4.10	nomo		see note for 5/1/24; untabulated slight = 31	248 earthquakes, 45 felt; 2 explosions; ESPHVO, v. 3, p. 557; table
5/26/1924	8:06					a0513					10.0	m-st	4.04								4.04	nomo	IV	a moderate quake; dismantled both instruments; Warshauer notes: A strong earthquake shook the entire Kilauea district at 9 o'clock [time wrong?]	see note for May 19, 1924; time 11:23; Jaggar, 1947, p. 253; HA, 5/27/1924
5/26/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.14	nomo		see note for 5/1/24; untabulated feeble = 137	156 earthquakes, 19 felt; 1 explosions; ESPHVO, v. 3, p. 557; table
5/27/1924	23:59					kl cal 0-5?					4.0	s	2.74								4.74	nomo		see note for 5/1/24; untabulated slight = 17	195 earthquakes, 36 felt; 1 explosions; ESPHVO, v. 3, p. 557; table
5/27/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.20	nomo		see note for 5/1/24; untabulated feeble = 158	195 earthquakes, 36 felt; 1 explosions; ESPHVO, v. 3, p. 557; table
5/28/1924	23:59					kl cal 0-5?					4.0	f	2.20								4.06	nomo		see note for 5/1/24; untabulated feeble = 111	130 earthquakes; ESPHVO, v. 3, p. 560 table
5/30/1924	8:42					klcaldeep?					10.0	st	4.15		5.78	5.91					5.85	hono	V	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	Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 556; Jaggar, 1947, p. 259
7/20/1924	13:25					hilo					43.2	s	4.40								4.40	nomo	VI	felt locally; Warshauer notes: quake dur several secs, severe, rocked Hilo, knocked pictures and vases down; seemed to come in a wave, which shook their houses in sections at a time as the wave seemed to pass on	ESPHVO, v. 3, p. 586; not in Hon station bulletin; HTH, 7/21/1924
8/20/1924	6:20					kaoiki					25.6	m	4.80						5	W&K	5.00	nomo	V (Kau)	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	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
8/20/1924	22:48					kaoiki?					25.6	s	4.03								4.03	nomo			aftershocks?-distance and region assumed; ESPHVO, v. 3, p. 595
8/23/1924	0:10					ml mok					32.0	s	4.19								4.19	nomo	V?	sharply felt at HVO; felt very severe at Mokuaweoweo	[distance of 2 mi inconsistent with felt report; misprint for 20?] ESPHVO, v. 3, p. 590, 592, 595
8/23/1924	0:13					ml mok					32.0	m	4.68			5.59					5.59	hono	V-VI	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 period	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
8/24/1924	7:48					ml mok?					32.0	s	4.19								4.19	nomo	felt	presumed felt more strongly in Kau than Puna	[distance of 2 mi inconsistent with statement on p. 590; misprint for 20?]ESPHVO, v. 3, p. 590, 595
9/8/1924	22:07					kona					57.6	s	4.37								4.37	nomo	felt	felt in Kona	not found in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 600, 602
9/10/1924	17:03					mauna kea?					40.0	s	4.12								4.12	nomo	felt	ESPHVO v. 3, p. 604 notes (felt in Hilo and Honokaa)	not found in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 604
10/10/1924	0:21					ml swr?					51.2	s	4.29								4.29	nomo	felt	felt in Hilea	not found in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 615
10/18/1924	14:10					hilea??					40.0	m	4.60								4.60	nomo	felt	felt locally	not found in Hon Station Bulletin (McFarland, 1929); ESPHVO, v. 3, p. 615
2/18/1925	10:18					kohala?					90	f	4.09								4.09	nomo	felt	Probably in Kohala; felt in Kohala	not in Hon Station Bulletin (Neumann, 1926); ESPHVO, v. 3, p. 661, 669; VL 9
2/23/1925	10:20					a2025					20.77	m	4.15								4.15	nomo	III	dismantled instruments	not in Hon Station Bulletin (Neumann, 1926); ESPHVO, v. 3, p. 661, 669; VL 9
4/15/1925	5:28					a3035					30.35	s	4.15								4.15	nomo	IV	awakened a few at Volcano House	ESPHVO, v. 3, p. 687, 689; VL 16
4/20/1925	20:52					ml mok?					33.55	s	4.22								4.22	nomo	felt	felt locally; gave the appearance of a Mauna Loa shake	ESPHVO, v. 3, p. 687, 689; VL 17
5/17/1925	2:02					kaoiki?					28.75	s	4.11								4.11	nomo	IV	felt locally, strong at Hilea	ESPHVO, v. 3, p. 695, 696; VL 21
7/4/1925	19:55					ml mok?					35.14	s	4.25								4.25	nomo	felt	felt locally and in Hilo (VL)	ESPHVO, v. 3, p. 719; VL 28

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
7/6/1925	13:47					a1320					17.57	m	4.27							4.27	nomo	III	dismantled instruments; felt locally	ESPHVO, v. 3, p. 719
7/8/1925	5:45					a1320					17.6	s	4.03							4.03	nomo	IV (USE)	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	Hon Station Bulletin (Neumann, 1926c); ESPHVO, v. 3, p. 719; VL 29
7/14/1925	3:23					hilea?					43.13	s	4.17							4.17	nomo	felt	felt at Pahala (VL)	ESPHVO, v. 3, p. 713, 719; VL 29
7/27/1925	2:42					a3035					30.35	s	4.15							4.15	nomo	felt	felt locally	ESPHVO, v. 3, p. 714, 720; VL 31
8/19/1925	11:32					mauna kea?					65.5	s	4.46							4.46	nomo	IV (Kohala)	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"	ESPHVO, v. 3, p. 723, 725; VL 35; Seismological Report (Hon Mag Obs), July-September, 1925 (Neumannn, 1926)
8/19/1925	15:48					mauna kea?					63.9	s	4.44							4.44	nomo			ESPHVO, v. 3, p. 725
8/28/1925	21:03					mauna kea?					68.69	f	4.17							4.17	nomo	V; IV (Kohala)	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	ESPHVO, v. 3, p. 723, 725; VL 36; Seismological Report (Hon Mag Obs). July-September, 1925 (Neumannn, 1926)
9/5/1925	15:34					mauna kea?					62.3	s	4.43							4.43	nomo	felt	felt locally	not in Hon Station Bulletin (Neumann, 1926c); ESPHVO, v. 3, p. 734; VL 37
10/28/1925	16:52					a2530					28.75	s	4.11							4.11	nomo	felt	felt locally (VL), 8 mi (18?) to SE	ESPHVO, v. 3, p. 750; VL 45
12/8/1925	22:16					hilea?					30.4	s	4.15							4.15	nomo	V-VI	around 10:14 PM a prolonged quake, pheasants squawked much during and after the main shock, and a dog jumped up and showed alarm; felt locally; felt locally and in Hilo; Warshauer notes: knocked down books and dishes in Pahala, sent furniture across floor	distance given as 9 mi, 19 mi more consistent with felt report; not in Hon Station Bulletin (Neumann, 1927a); ESPHVO, v. 3, p. 762, 767, 768; VL 50; HTH, 12/9/1925. see also bib
1/16/1926	12:33					kaoiki?					22.36	s	4.20							4.20	nomo	felt	felt in Hilo and Kona; plainly felt in Hilo	ESPHVO, v. 3, p. 772, 782; VL 56
2/7/1926	11:28					maui?								4.30	4.29					4.30	hono	IV (Maui); III (Honolu lu)	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 minutes apart, second one at 11:30 brought people out doors; also felt on Oahu	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
2/28/1926	6:41					kaoiki?					19.17	m	4.33							4.33	nomo	V (W&K)	ESPHVO, v. 3, p. 786 cont.: strongest eq felt on Kapapala Ranch within past two years; also felt at Puu Oo on s slope of Mauna Kea; epicenter estimated under Mauna Loa NE rift; VL 62 notes repeats ESPHVO; USEQ notes (felt by many standing); see also bib	ESPHVO, v. 3, p. 786, 793 notes: eq centered under Mauna Loa; felt generally throughout the island of Hawaii, duration more than 10 sec at Kilauea; dismantled seismographs at HVO and Kona; dislodged rock and broke pipe at Kapapala; HTH, 3/1/1926
3/19/1926	22:33					alenuihaha					118.2	m	5.59		5.52			≥ 6	W&K	5.52	hono	V (Kohala); IV-V (Honolu lu)	Hon notes: Heeia (Oahu)--felt tremor, dur 1.5 s; Ewa (Oahu)--distinctly felt by sev, Haiku (Maui)--felt abt 1 min, E to NW; Kohala--felt by many; rpd trm 1m; rtl sounds; Honomu--felt by many; grd rkg S abt 20 m.; Volcano House--felt distinctly by all	intensity map in W&K; Seismological Report, January-March, 1926 (Neumann and Service, 1927)
3/20/1926	7:27					alenuihaha					118.2	s	4.87		4.10					4.10	hono	felt	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	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
3/29/1926	0:34					ml ner?					30.35	m	4.41							4.41	nomo	III	dismantled one seismograph component	not in Hon Station Bulletin (Neumann and Service, 1927); ESPHVO, v. 3, p. 796, 803; VL 66
4/1/1926	23:59					ml mok?					35	f-s	4.03							4.66	nomo		preferred magnitude calculated as Richter distribution assuming b = 1.8 and 76 events >M3.25 apportioned over the month	distance and region assumed; 5 shakes; ESPHVO, v. 3, p. 836 table
4/2/1926	23:59					ml mok?					35	f-s	4.03							4.30	nomo		do	distance and region assumed; 2 shakes; ESPHVO, v. 3, p. 836 table
4/4/1926	23:59					ml mok?					35	f-s	4.03							4.79	nomo		do	distance and region assumed; 7 shakes; ESPHVO, v. 3, p. 836 table
4/5/1926	23:59					ml mok?					35	f-s	4.03							4.30	nomo		do	2 shakes; ESPHVO, v. 3, p. 836 table
4/7/1926	23:59					ml mok?					35	f-s	4.03							4.03	nomo		do	distance and region assumed; 1 shake; ESPHVO, v. 3, p. 836 table

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/8/1926	23:59					ml mok?					35	f-s	4.03							4.57	nomo		see note for April 1, 1926	distance and region assumed; 4 shakes; ESPHVO, v. 3, p. 836 table
4/9/1926	16:30					ml mok?					35	s-m	4.51							4.51	nomo	felt	not registered; felt report from Island of Hawaii: several shocks preceded eruption of Mauna Loa. "Shocks almost incessant until 20th."	Seismological Report, April-June, 1926 (Neumann, 1928)
4/9/1926	23:59					ml mok?					35	f-s	4.03							4.30	nomo		2 shocks not reported	distance and region assumed; 3 shakes; ESPHVO, v. 3, p. 836 table
4/10/1926	1:50					ml mok?					35	s-m	4.51							4.51	nomo	felt	felt widely e half of Hawaii island; epicenter at upper end of Mauna Loa southwest rift to east of Mokuaweoweo; Warshauer notes: felt widely on east half of island	not reported at Hon mag obs (Neumann, 1928); ESPHVO, v. 3, p. 807, 812; VL 68; HTH, 04/15
4/10/1926	2:04					ml mok?					35	s-m	4.51							4.51	nomo		do; small tidal waves noted at Hilo and Kona [HA] following these two quakes	not reported at Hon mag obs (Neumann, 1928); ESPHVO, v. 3, p. 807, 812; VL 68; HA, 04/10; HTH, 04/15
4/10/1926	23:59					ml mok?					35	f-s	4.03							5.71	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/10/1926	23:59					ml mok?					35	m	4.91							4.96	nomo	felt	4 felt at HVO ; local earthquakes during the last few months with origin distance about 19 miles (30.4 km) and line of direction suggesting the northeast summit region of Mauna Loa; additional notes on the eruption in VL 68-72; see note for April 1, 1926	75 earthquakes; ESPHVO, v. 3, p. 811 table, 813; [seismic prelude to Mauna Loa southwest rift eruption]; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/10/1926	23:59					ml mok?					35	s-m	4.51							4.45	nomo		do	do; 0.872 quakes felt at HVO, not reported separately
4/11/1926	23:59					ml swr?					47.3	f-s	4.24							5.63	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/11/1926	23:59					ml swr?					47.3	m	5.12							4.62	nomo	felt	1 felt at HVO; see note for April 1, 1926	35 earthquakes; ESPHVO, v. 3, p. 811 table; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/11/1926	23:59					ml swr?					47.3	s-m	4.72							4.59	nomo		do	separately
4/12/1926	11:41					ml swr?					48	s-m	4.73							4.73	nomo	felt	swaying eq, producing the effect of e-w rocking ; felt Pahala and HVO	ESPHVO, v. 3, p. 812
4/12/1926	11:48					ml ner?					25	s-m	4.27							4.27	nomo	III (Honomu)	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	Neumann, 1928; ESPHVO, v. 3, p. 812; VL 68
4/12/1926	23:59					ml swr?					47.3	f-s	4.24							5.95	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/12/1926	23:59					ml swr?					47.3	m	5.12							5.26	nomo	felt	5 felt at HVO, many felt at Pahala in forenoon; eq's felt at MLO camp during the day; see note for April 1, 1926	81 earthquakes; ESPHVO, v. 3, p. 811 table, 812, 816; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/12/1926	23:59					ml swr?					47.3	s-m	4.72							4.90	nomo		do	separately
4/13/1926	4:30					ml swr?		5	47		47.27	s-m	4.72							4.72	nomo		one of 2 strongest shakes of series [confused with quake at 19:46?]; Waiohinu telephone operator timed shock Tuesday morning [Apr. 13], dur 1 min	not reported by Hon Mag obs; ESPHVO, v. 3, p. 812; HSB, 4/14/26
4/13/1926	7:30					ml swr?		5	47		47.27	s-m	4.72							4.72	nomo	felt	felt at HVO	ESPHVO, v. 3, p. 812
4/13/1926	14:30					ml swr?		5	47		47.27	s-m	4.72							4.72	nomo	felt	sharp shock felt at HVO	ESPHVO, v. 3, p. 812
4/13/1926	19:46					hilea			45		45.89	m	5.10	5.21	5.05					5.13	hono	felt	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	Neumann, 1928; ESPHVO, v. 3, p. 807, 813, 817; HTH, 4/15/1926
4/13/1926	23:59					ml swr?					47.3	f-s	4.24							5.94	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/13/1926	23:59					ml swr?					47.3	m	5.12							5.21	nomo	felt	Warshauer notes: 50 slight shocks bet 3 and 4 p.m.; 150 rec at HVO, 12 felt, 6 severe; eqs felt on higher slopes of Mauna Loa, inc rift cones	4/14/26; HA, 4/14/1926; HTH, 4/15/1926; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/13/1926	23:59					ml swr?					47.3	s-m	4.72							5.12	nomo		do	separately
4/14/1926	2:45					ml swr?					47	s-m	4.71							4.71	nomo	felt	earthquake with e-w motion felt at Wingate camp	ESPHVO, v. 3, p. 817
4/14/1926	3:50					ml swr?					47	s-m	4.71							4.71	nomo	felt	vertical jolt followed by n-s motion felt at Wingate camp	ESPHVO, v. 3, p. 817

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/14/1926	8:30					ml swr?					47	s-m	4.71								4.71	nomo	felt	light earthquake felt at Wingate camp; Warshauer notes: vigorous fountains in the Alika source about 8:30 a.m. Apr. 14	ESPHVO, v. 3, p. 817; HTH, 4/15/1926 [beginning of Mauna Loa's lower southwest rift eruption]
4/14/1926	12:00					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/14/1926	15:30					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/14/1926	15:45					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/14/1926	21:45					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/14/1926	23:59					ml swr?					47.3	f-s	4.24								5.79	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/14/1926	23:59					ml swr?					47.3	m	5.12								5.49	nomo	felt	9 felt at HVO; see note for April 1, 1926	60 earthquakes; ESPHVO, v. 3, p. 811 table; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/14/1926	23:59					ml swr?					47.3	s-m	4.72								5.07	nomo		do	separately
4/15/1926	5:45					ml swr?									4.99	4.69					4.85	hono	felt	felt (at Wingate camp?; Honolulu time 5:46	ESPHVO, v. 3, p. 818
4/15/1926	7:50					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	12:12					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	14:05					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	15:20					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	17:21					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	19:15					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	21:09					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	21:15					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	21:45					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/15/1926	23:59					ml swr?					47.3	f-s	4.24								5.92	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/15/1926	23:59					ml swr?					47.3	m	5.12								5.64	nomo	felt	13 felt at HVO; see note for April 1, 1926	86 earthquakes; ESPHVO, v. 3, p. 811 table; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/16/1926	1:15					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	1:17					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	6:16					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	9:30					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	10:10					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	11:00					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	11:58					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	12:03					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	13:10					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	13:18					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	13:34					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	13:59					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	16:10					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	17:27					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	19:56					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	20:08					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	21:59					ml swr?					47	s-m	4.71		4.42	4.51					4.46	hono			not specifically mentioned isESPHVO or VL
4/16/1926	23:08					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/16/1926	23:59					ml swr?					47.3	f-s	4.24								5.73	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/17/1926	1:16					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?	ESPHVO, v. 3, p. 818
4/17/1926	7:26					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/17/1926	12:06					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/17/1926	12:12					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/17/1926	15:44					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/17/1926	15:45					ml swr?					47	s-m	4.71								4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/17/1926	23:59					ml swr?					47.3	f-s	4.24								5.72	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/17/1926	23:59					ml swr?					47.3	m	5.12								5.39	nomo	felt	7 felt at HVO; see note for April 1, 1926	53 earthquakes; ESPHVO, v. 3, p. 811 table; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/18/1926	2:35					ml swr?					47	s-m	4.71	4.42	4.69					4.55	hono	felt	felt (at Wingate camp?); Honolulu time 2:45	ESPHVO, v. 3, p. 818
4/18/1926	3:50					ml swr?					47	s-m	4.71							4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/18/1926	4:22					ml swr?					47	s-m	4.71	4.50	4.51					4.50	hono	felt	felt (at Wingate camp?); Honolulu time 4:33	ESPHVO, v. 3, p. 818
4/18/1926	11:03					ml swr?					47	s-m	4.71							4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/18/1926	11:09					ml swr?					47	s-m	4.71							4.71	nomo	felt	felt (at Wingate camp?); Warshauer notes: 250 quakes recorded at HVO from 4/14 to 4/18 a.m., none of great strength	ESPHVO, v. 3, p. 818; HSB, 4/20/1926
4/18/1926	12:27					ml swr?					47	s-m	4.71							4.71	nomo	felt	felt (at Wingate camp?)	ESPHVO, v. 3, p. 818
4/18/1926	13:58					ml swr?			45		45.89	m	5.10	5.16	5.21					5.18	hono	felt	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	Neumann, 1928 has eq at 14:00, 325 km distant; ESPHVO, v. 3, p. 813, 818, 831
4/18/1926	23:59					ml swr?					47.3	m	5.12							5.36	nomo	felt	10 felt at HVO; see note for April 1, 1926	26 earthquakes; ESPHVO, v. 3, p. 811 table; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/18/1926	23:59					ml swr?					47.3	f-s	4.24							5.33	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/18/1926	23:59					ml swr?					47.3	s-m	4.72							4.78	nomo		do	separately
4/19/1926	9:13					ml swr?		5	47		47.27	s-m	4.72							4.72	nomo	III	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	not reported at Hon Mag obs; ESPHVO, v. 3, p. 831; HSB, 4/19/1926; HTH, 4/25/1926
4/19/1926	23:59					ml swr?					47.3	f-s	4.24							5.33	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/19/1926	23:59					ml swr?					47.3	m	5.12							5.17	nomo	felt	4 felt at HVO	20 earthquakes; ESPHVO, v. 3, p. 811 table; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/19/1926	23:59					ml swr?					47.3	s-m	4.72							4.96	nomo		do	separately
4/20/1926	17:00					ml swr?					47	s-m	4.71							4.71	nomo	felt	strong, swaying earthquake, with displacement to n and e, felt at HVO; Warshauer notes: Terrific earthquakes shook the Kilauea section at 5:05 o'clock this afternoon, causing enormous avalanches in Halemaumau pit and frightening guests at Volcano House.	ESPHVO, v. 3, p. 813; HA, 4/21/1926
4/20/1926	23:59					ml swr?					47.3	f-s	4.24							5.44	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/20/1926	23:59					ml swr?					47.3	m	5.12							4.90	nomo	felt	2 felt at HVO; see note for April 1, 1926	23 earthquakes; ESPHVO, v. 3, p. 811 table; VL 69; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/20/1926	23:59					ml swr?					47.3	s-m	4.72							4.39	nomo		do	separately
4/21/1926	21:30					ml swr?					47	s-m	4.71							4.71	nomo	felt	small earthquake felt at Kahuku ranch	ESPHVO, v. 3, p. 833
4/21/1926	23:59					ml swr?					47.3	f-s	4.24							5.33	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/21/1926	23:59					ml swr?					47.3	m	5.12							4.62	nomo	felt	1 felt at HVO; see note for April 1, 1926	17 earthquakes; ESPHVO, v. 3, p. 811 table; 1.128 quakes assumed to have dismantled seismograph; see note for May 1, 1926
4/21/1926	23:59					ml swr?					47.3	s-m	4.72							4.59	nomo		do	separately
4/22/1926	4:32					kaoiki deep?					40	m	5.01	4.17	4.47			5.3	maximum intensity	5.30	intensity	V (W&K); III (Honolulu)	felt reports from Hilo and Honolulu: Hilo--P. one bldg shk 6 in. from foundation; heavy tremors caused by Mauna Loa volcano; Honolulu--felt by many; rpd rkg, E-W, 3s, mts and val.; USEQ notes: repeats Neumann, 1928	Seismological Report, April-June, 1926 (Neumann, 1928); [Hon record almost obscured by microseisms; Hon amp & mag are low; preferred mag based on intensity]
4/22/1926	23:05					kaoiki?					19.2	s-m	4.09							4.09	nomo		no list of separate events	ESPHVO, v. 3, p. 806
4/22/1926	23:59					kaoiki??					19.2	f-s	3.61							4.43	nomo		do	do; 71 quakes not felt at HVO, not reported separately
4/22/1926	23:59					kaoiki??					19.2	s-m	4.09							4.34	nomo		do	separately
4/23/1926	23:59					kaoiki??					19.2	f-s	3.61							4.72	nomo		see note for April 1, 1926	6 earthquakes; ESPHVO, v. 3, p. 811 table
4/24/1926	23:59					kaoiki??					19.2	f-s	3.61							4.56	nomo	felt	see note for April 1, 1926; Warshauer notes: 2 probably felt in Hilo	4 earthquakes; ESPHVO, v. 3, p. 811 table; HSB, 4/24/1926

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/25/1926	23:59					kaoiki??					19.2	f-s	3.61								4.28	nomo		see note for April 1, 1926	2 earthquakes; ESPHVO, v. 3, p. 811 table
4/26/1926	23:59					kaoiki??					19.2	f-s	3.61								4.01	nomo		see note for April 1, 1926	1 earthquake; ESPHVO, v. 3, p. 811 table
4/27/1926	23:59					kaoiki??					19.2	f-s	3.61								4.01	nomo		see note for April 1, 1926	1 earthquake; ESPHVO, v. 3, p. 811 table
4/28/1926	23:59					kaoiki??					19.2	f-s	3.61								4.01	nomo		see note for April 1, 1926	1 earthquake; ESPHVO, v. 3, p. 811 table
5/31/1926	19:10					hilea?					35.14	s	4.25								4.25	nomo	III (Waiohinu)	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	ESPHVO, v. 3, p. 854; VL 75; Seismological Report, April-June, 1926 (Neuman, 1928)
6/4/1926	1:53					east hawaii						s				4.40					4.40	hono	IV; II (USE)	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	ESPHVO, v. 3, p. 858; VL 76; Seismological Report, April-June, 1926 (Neuman, 1928); not found in MN
6/9/1926	9:34					kaoiki					25.6	m	4.53						5.3	intensity	4.90	nomo	(W&K); IV-V Kapapala;	SW; felt locally and stronger at Kapapala; widely felt over island, shook items from shelves at Kapapala; felt reports fromWaiohinu, Pahala and Pepeekeo; Warshauer notes: repeats info	Neumann, 1928; ESPHVO, v. 3, p. 856, 858; VL 76; HTH, 6/9/1926; preferred magnitude calculated as average of intensity and nomogram
10/25/1926	21:26					ml swr?					39.94	m	4.84								4.84	nomo	IV Waiohinu	widely felt, 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.	ESPHVO, v. 3, p. 912, 913; VL 105; Seismological Report, October-December, 1926 (Neumann, 1928); not registered on Oahu
2/2/1927	23:26					kona					71.88	f	4.20								4.20	nomo	felt	felt locally	ESPHVO, v. 3, p. 934
3/20/1927	4:52					mauna kea os deep?		30			80	m	5.32		>6.43	6.77	>6.43		6	W&K	6.77	hono	V (kukuihaele); IV (Haiku, Hamakua, Kohala, Waiohinu, Honolulu, Waimanalo); III (Hilo)	Hon notes: felt throughout Hawaiian Islands; felt times 4:45-5:00; Haiku, Maui--felt by many; rpd trm; pln. Hamakua--1 shock; grd trm N-S; felt by many; made loud sounds; hls sandy. Hilo--felt by sev; grd trm; 3 clocks on higher levels stopped; pln rocky.	Seismological Report, Jan.-3/1927 (Neumann, 1929): probably submarine origin; On NS the motion of the light spot was too rapid to register the maximum amplitude. Recorded on the D and H variometers at Ewa.
4/30/1927	13:34					mauna kea					63.9	s	4.44								4.44	nomo	IV (Haina)	not recorded; HVO time 14:43 [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	Neumann, 1930; ESPHVO, v. 3, p. 962; VL 123 [max accel 11.0 mm/sec/sec, minimum slight?]
7/7/1927	3:21					mauna loa deep?					55.91	m	5.07			>5.1?					5.07	nomo	HVO; IV at Haina & Honomu & Kohala	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]	Neumann, 1930; ESPHVO, v. 3, p. 991, 993, 1002; VL 133 [sugg. high freq. deep event; hotspot activation?]
7/24/1927	6:05					a3540					40	s	4.34								4.34	nomo	felt	felt locally	ESPHVO, v. 3, p. 1002; VL 135
7/25/1927	2:07					ml nf??					39.94	s	4.34								4.34	nomo	II (Honomu)	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	ESPHVO, v. 3, p. 1002; VL 135; Seismological Report, July-September, 1927 (Neumann, 1930); HTH, 7/25/1927
7/25/1927	6:13					hilea?					44.73	s	4.42								4.42	nomo	III (Waiohinu)	Waiohinu--felt by many; grd sway N-S; rky; felt locally; felt Volcano & Hilo, possibly elsewhere; Warshauer note: two quakes, 2:07 and 6:13 a.m. felt at Hilo and Volcano districts	Seismological Report, July-September, 1927 (Neumann, 1930) [time given as 7/26 at 6:02--date wrong?]; ESPHVO, v. 3, p. 1002; VL 135; HTH, 7/25/1927
7/29/1927	11:31					west hawaii					62.3	s	4.65								4.65	nomo	felt	felt locally	ESPHVO, v. 3, p. 1002; VL 136

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
7/31/1927	2:14					kl cal deep??					25.56	f	3.81		4.58					4.58	hono	II (Kohala and Honomu)	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	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
8/3/1927	9:42					hilea?					25.6	m [st?]	4.80	5.86						5.86	hono	VI (W&K) ; V (kona)	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	ESPHVO, v. 3, p. 1002; VL 136; [34 mi from Hilo, 16 mi from HVO, suggests Kaoiki; max accel 90 mm/sec/sec]c; [intensity pattern matches M=5.0 8/20/24 & suggests Hilea]; HA, 8/6/1927; HTH, 8/3/1927; HSB, 8/5/1927; not found in MN
10/28/1927	2:38	19	37	155	56.0	kona			73.16	73.16	73.71	f	4.25							4.25	nomo	felt	felt locally; felt more strongly in Kona as an 8-sec tremble accompanied by rumbling; recorded at Kealakekua and Hilo with origin indicated 4 mi E of Kailua on the SW slope of Hualalai	ESPHVO, v. 3, p. 1031; VL 149
1/4/1928	13:07					a3035					33.55	m	4.48							4.48	nomo	felt	felt locally; felt locally and in south Kau, Hilo and other places; not listed in Hon station bulletin	ESPHVO, v. 3, p. 1066; VL 159; not found in HTH or HA
4/27/1928	17:16					hualalai?					84.66	f	4.32							4.32	nomo	felt	time given as 5:01 PM, might have been felt (VL)	ESPHVO, v. 3, p. 1100; VL 175
2/5/1929	2:25					kl cal deep		30	5	5	30.41	st	4.92	5.36	5.36					5.36	hono	V (W&K) ; IV (R-F)	Hon notes: felt Mauna Loa section of Honolulu; local to Kilauea; deep quake under e side of island, s Kilauea; dismantled seis, waked people all island of Hawaii, fel hnp, Hilo, Kohala; Warshauer notes: strongly felt eq; felt as far as Kona and Kohala	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
3/2/1929	10:24					kaoiki			27	27	28.46	m?	4.60	5.26	5.31					5.28	hono	IV; III R-F (VL)	Hon notes: registered; small landslide in Halemaumau; 17 mi from HVO in Kapapala direction, felt-hnp, strong eq caused small landslide on E side of Halemaumau	Peters, 1929; ESPHVO, v. 3, p. 1193, 1194; VL 219; moderate? (see reference to amplitudes of slight earthquakes in VL 251, col 2, paragraph 3!)
6/18/1929	8:42:00					kaoiki?			17.6	17.6	19.77	s (m)	4.62	4.87	4.90					4.88	hono	IV	Hon notes: local; very short period; slides at Halemaumau and w wall Kilauea crater, strongly felt at hnp, dismantled seismograph; Warshauer notes: the first of three tremors was barely noticeable in Hilo	Peters, 1929; ESPHVO, v. 3, p. 1205, 1206; VL 234; HTH, 6/18/1929; HSB, 6/18/1929; not found in HA or MN
6/18/1929	9:31:00					kona?			40	40	41	m	5.13	5.83	5.95					5.89	hono	VI	Hon notes: local shock; not rep felt; strongly felt at hnp, buildings creaked, prolonged E-W swaying, dismantled seismograph; felt at halfway house (Kau), acc by rumble, trees set in motion; felt at Hilo-articles displaced from shelves	Peters, 1929; ESPHVO, v. 3, p. 1206; VL 234 [distance of 44 mi doesn't match felt reports; intensity map suggests Hilea, as do newspaper reports of 20-30 mi]
9/18/1929	23:59					hualalai			22	22	23.77	vf; m (kona)	4.24							5.11	nomo	V? (W&K)	seismic crisis on Hualalai begins after noon; many more events reported locally on Hualalai than the 221 events recorded on the Kona seismometer; details given in VL 248; additional analysis and statistics given in VL 309, p. 1-2	eqs; 9 [8?-see VL 247] events (very feeble at Whitney, moderate at Kona) occurred 9/12-18 inclusive (VL 251 list, col 2, 3rd paragraph from bottom); not recorded in Honolulu; minimum nomogram mag assumed
9/22/1929	18:34:00					hualalai			22	22	23.77	m (kona)	4.48	4.65	4.65					4.65	hono		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	Peters, 1929; VL 248: 79 seismic spells in 22 hours felt at Puu Waawaa
9/22/1929	21:28:00					hualalai			22	22	23.77	m (kona)	4.48	4.95	4.95					4.95	hono	V?	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	Peters, 1929; VL 248: 79 seismic spells in 22 hours felt at Puu Waawaa; WK table shows 9/23 night; should be 9/22
9/24/1929	7:44:40					hualalai			22	22	23.77	m (kona)	4.48	5.25	5.12					5.19	hono	V? (BSSA, 1929)	Warshauer notes: the hardest tremor in this city]Hilo] was felt at 7:45 this morning	time from Honolulu record-10.5 hrs subtracted; HTH, 9/25/1929
9/24/1929	13:59:30					hualalai			22	22	23.77	st (kona)?	4.75	4.87	5.25					5.06	hono	V? (W&K)	hnp?-time 1:50 p.m., strong shock, swayed ferns and rocked house, E-W vibration	time from Honolulu record-10.5 hrs subtracted; HVO, unpub
9/25/1929	18:20:56	19	42.0	155	54.0	hualalai			22	22.03	23.8	st (kona)	4.75	6.12	6.19			5.6; 6.1	GUTE; WK	6.15	hono	VIII (VL; USE?)	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	isoseismal map in W&K--magnitude 6.1 assumes subcrustal depth based on intensity distribution and teleseismic magnitude; HA, 9/26/1929; HTH, 9/29/1929; MN, 10/2/1929

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
9/25/1929	23:59:00					hualalai			22	22	23.77	s (kona)	3.98								5.30	nomo		do	eqs; 28 events (slight at Kona) assumed for week of 9/19-25/1929; total event count of 221 reported in VL 251 list, col 2, 3rd paragraph from bottom
9/25/1929	23:59:00					hualalai			22	22	23.77	m (kona)	4.24								5.11	nomo		seismic crisis on Hualalai begins after noon; many more events reported locally on Hualalai than the 221 events recorded on the Kona seismometer; details given in VL 248; preferred mag calculated as nomogram magnitude multiplied by number of events	eqs; 9 events (moderate at Kona) occurred 9/19-25/1929 inclusive (VL 251 list, col 2, 3rd paragraph from bottom); not recorded in Honolulu; minimum nomogram mag assumed
9/25/1929	23:59:00					hualalai			22	22	23.77	f (kona)	3.44								5.04	nomo		do	eqs; 58 events (feeble at Kona) assumed for week of 9/19-25/1929; total event count of 221 reported in VL 251 list, col 2, 3rd paragraph from bottom
9/25/1929	23:59:00					hualalai			22	22	23.77	vf (kona)	2.42								4.31	nomo		do	eqs; 121 events (very feeble at Kona) assumed for week of 9/19-25/1929; total event count of 221 reported in VL 251 list, col 2, 3rd paragraph from bottom
9/25/1929	23:59:00					hualalai			22	22	23.77	vf? (kona)	2.42								4.06	nomo		Warshauer notes: 63 shocks recorded at HVO at distances of 14-46 miles, dominantly 23-32 miles.	HA, 10/2/1929
9/26/1929	10:23:30					hualalai			22	22	23.77	st (kona)	4.75		4.77	4.95					4.86	hono			
9/27/1929	22:19:50					hualalai			22	22	23.77	st (kona)	4.75		4.95	5.07					5.01	hono	VI (HTH)		VL 249 lists time 10:50 AM; WK list time 11:20 AM; neither fits Honolulu record
9/27/1929	22:27:35					hualalai			22	22	23.77	st (kona)	4.75			4.77					4.77	hono			
9/27/1929	22:45:30					hualalai									5.07	5.17					5.12	hono			not in VL; time from Hon record
9/28/1929	7:10:15					hualalai			22	22	65	vst (kona)	5.75		5.62	5.65					5.63	hono	VII (HTH; USE)	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	VL time 7:08; HA, 9/29/1929
9/28/1929	15:17:35					hualalai			22	22	23.77	st (kona)	4.75		5.62	5.55					5.58	hono	VI (HTH)	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	VL time 15:18; HA, 9/29/1929
9/28/1929	17:46:10					hualalai			22	22	23.77	st (kona)	4.75		5.51	5.32					5.41	hono			time from Honolulu record-10.5 hrs subtracted; not listed in WK
9/29/1929	5:31:15					hualalai			22	22	23.77	st (kona)	4.75		5.25	5.25					5.25	hono			time from Honolulu record-10.5 hrs subtracted; not listed in WK
9/29/1929	22:49:00					hualalai			22	22	23.77	st (kona)	4.75		5.17	5.17					5.17	hono			time from Honolulu record-10.5 hrs subtracted
9/30/1929	11:54:00					hualalai			22	22	23.77	st (kona)	4.75		5.37	5.32					5.35	hono	VI (HTH)	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.	VL time 11:55; HA, 10/1/1929
10/2/1929	18:37:40					hualalai			22	22	23.77	st (kona)	4.75		4.54	4.54					4.54	hono			time from Honolulu record-10.5 hrs subtracted; not listed in WK
10/2/1929	23:59:00					hualalai			22	22	23.77	st (kona)	4.75								5.39	nomo		preferred magnitude calculated as nomogram magnitude multiplied by number of events	eqs; 5 events (strong at Kona), 9/26-10/2/29, cited in VL 251 list, col 2, 3rd paragraph from bottom, are not accounted for in Honolulu records; minimum magnitude preferred; magnitude fit improved if closer to Kealakekua
10/2/1929	23:59:00					hualalai			22	22	23.77	m (kona)	4.24								5.38	nomo		do	eqs; 18 events (moderate at Kona), 9/26-10/2/29, cited in VL 251 list, col 2, 3rd paragraph from bottom, are not accounted for in Honolulu records; minimum magnitude preferred
10/2/1929	23:59:00					hualalai			22	22	23.77	s (kona)	3.98								5.37	nomo		do	eqs; 34 events (slight at Kona) assumed for week of 9/26-10/2/1929; total event count of 244 reported in VL 251 list, col 2, 3rd paragraph from bottom
10/2/1929	23:59:00					hualalai			22	22	23.77	f (kona)	3.44								5.09	nomo		do	eqs; 65 events (feeble at Kona) assumed for week of 9/26-10/2/1929; total event count of 244 reported in VL 251 list, col 2, 3rd paragraph from bottom

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
10/2/1929	23:59:00					hualalai			22	22	23.77	vf (kona)	2.42							4.29	nomo		do	eqs; 114 events (very feeble at Kona) assumed for week of 9/26-10/2/1929; total event count of 244 reported in VL 251 list, col 2, 3rd paragraph from bottom
10/3/1929	9:42:43					hualalai			22	22	23.77	st (kona)	4.75	5.04	4.54					4.79	hono			time from Honolulu record-10.5 hrs subtracted; time not listed in W&K
10/5/1929	21:22:31					hualalai			74	75.48	76.01	st; vst (kona)	5.56	seismometer dismantled	seismometer dismantled			6.5	GUTE	6.50	gute	VIII (VL; USE?)	felt generally-Hawaiian island chain; damage report in VL 250; Warshauer notes: see bib	isoseismal map in W&K, who accept GUTE magnitude 6.5; a crustal depth is consistent with isoseismal gradients; HA, 10/6-9/1929;
10/8/1929	0:37:45					hualalai			22	22	23.77	st (kona)	4.75	5.20	5.51					5.35	hono			
10/9/1929	23:59:00					hualalai			22	22	23.77	m (kona)	4.24							5.11	nomo		do	eqs; 9 events (moderate at Kona), 10/3-9/1929, cited in VL 251 list, col 2, 3rd paragraph from bottom, are not accounted for in Honolulu records; minimum magnitude preferred
10/9/1929	23:59:00					hualalai			22	22	23.77	s (kona)	3.98							5.10	nomo		do	eqs; 17 events (slight at Kona) assumed for week of 10/3-9/1929; total event count of 129 reported in VL 251 list, col 2, 3rd paragraph from bottom
10/9/1929	23:59:00					hualalai			22	22	23.77	f (kona)	3.44							4.87	nomo		do	eqs; 32 events (feeble at Kona) assumed for week of 10/3-9/1929; total event count of 129 reported in VL 251 list, col 2, 3rd paragraph from bottom
10/9/1929	23:59:00					hualalai			22	22	23.77	st (kona)	4.75							4.75	nomo		preferred magnitude calculated as nomogram magnitude multiplied by number of events	eqs; 1 event (strong at Kona), 10/3-9/29, cited in VL 251 list, col 2, 3rd paragraph from bottom, are not accounted for in Honolulu records; minimum magnitude preferred; magnitude fit improved if closer to Kealakekua
10/9/1929	23:59:00					hualalai			22	22	23.77	vf (kona)	2.42							4.07	nomo		do	eqs; 66 events (very feeble at Kona) assumed for week of 10/3-9/1929; total event count of 129 reported in VL 251 list, col 2, 3rd paragraph from bottom
10/14/1929	23:35:00					hualalai			22	22	23.77	m; st (kona)	4.75							4.75	nomo	felt	felt-Kona; barely felt-hnp	assume this event is the one strong event cited in VL 251 list, col 2, 2nd paragraph from top and 3rd paragraph from bottom; not recorded in Honolulu
10/15/1929	9:59:00					hualalai			22	22	23.77	s?; m (kona)	4.24							4.24	nomo		(the next four earthquakes) registered with 3-4 cm amplitude on the seismograms of about 120 times magnification, (ed. note: Whitney is 115) They would rank as slight earthquakes	slight class conflicts with later amplitude ranges which define "moderate" as 2.5-6 cm amplitude; conflict resolved if amplitudes refer to Kona seismometer
10/15/1929	13:04:00					hualalai			22	22	23.77	s?; m (kona)	4.24							4.24	nomo		do	
10/15/1929	17:41:00					hualalai			22	22	23.77	s?; m (kona)	4.24							4.24	nomo		do	
10/15/1929	22:05:00					hualalai			22	22	23.77	s?; m (kona)	4.24							4.24	nomo		do	
10/16/1929	23:59:00					hualalai			22	22	23.77	s (kona)	3.98							4.96	nomo		do	eqs; 12 events (slight at Kona) assumed for week of 10/10-16/1929; total event count of 97 reported in VL 251 list, col 2, 3rd paragraph from bottom
10/16/1929	23:59:00					hualalai			22	22	23.77	f (kona)	3.44							4.71	nomo		do	eqs; 25 events (feeble at Kona) assumed for week of 10/10-16/1929; total event count of 97 reported in VL 251 list, col 2, 3rd paragraph from bottom
10/16/1929	23:59:00					hualalai			22	22	23.77	m (kona)	4.24							4.24	nomo		preferred magnitude calculated as nomogram magnitude multiplied by number of events	cited in VL 251 list, col 2, 3rd paragraph from bottom, are not accounted for in Honolulu records; minimum magnitude preferred
10/21/1929	12:00:00					hualalai			22	22	23.77	f?; m? (kona)	4.24							4.24	nomo	felt	felt strongly-Kona; strongest of a swarm of 36 lasting 1 hr 45 m (BSSA, v. 19, p. 235-237); Holualoa felt 6 (10/20), 69 (10/21), 5 (10/22), 2 (10/23), 8 (10/24), 2 (10/25), and 1 (10/26)	Hu swarm continues; Whitney shocks vf (M3.22); f (M4.23): 10/17-23, 3f, 6 vf; 10/24-30, 12 vf, 1f; 10/31-11/6, 9 vf; 11/7-13, 14 vf; 11/14-20, 5 vf; 11/21-27, 5 vf; 11/28-12/4, 1f, 6 vf; 12/5-11, 5 vf; 12/12-18, 3 vf?, 2t?; 12/19-25, 1 vf, 12/26-1/1/30, 5
10/21/1929	23:59:00					hualalai														4.67	calculated	felt	69 shocks felt at Holualoa; 41 registered; assume average M = 3; preferred magnitude calculated as M3 multiplied by number of events, yielding a minimum moment magnitude	VL 253
11/10/1929	20:19:00					south hawaii			54.4	54.4	55.14	f	4.02							4.02	nomo	felt	felt generally Hawaii island	VL 255

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
11/24/1929	6:59:00					kona?			64	64	64.63	f	4.13								4.13	nomo	felt	40 mi from HVO; felt strongly-Kona	Hualalai?-most distances are greater for the Hualalai swarm; not noted in Honolulu station bulletin; VL 257
12/1/1929	14:06:00					kona?			67.2	67.2	67.8	f	4.16								4.16	nomo	felt	42 mi from HVO; felt-Kona	Hualalai?-most distances are greater for the Hualalai swarm; not noted in Honolulu station bulletin; VL 258
1/29/1930	18:42:00					hualalai?					76.8	s	4.80								4.80	nomo	felt	Hon notes: registered, time 18:42; local shock [no amplitude given]; felt locally, probably felt generally on the island of Hawaii. [Magnitude fits if referenced to Whitney rather than Kona]	Peters, 1930; VL 267, p. 3-4; not found in MN
2/9/1930	9:43:00					kona?					64	f	4.12								4.12	nomo	felt	felt in some places on the island	VL 268, p. 3
2/19/1930	17:42:00					hilea?					43.2	s	4.40								4.40	nomo	felt	felt strongest in Kau district	not registered on Oahu; VL 270, p. 4
5/20/1930	2:47:00					hualalai os?					169.6	f	4.80								4.80	nomo	felt	felt locally, more strongly in N Hilo; period slow on E side of island, quicker in N Kona, suggesting a Hualalai source; Warshauer notes: [shocks at 2:47 a.m. and 6:52 p.m.] were strongly felt at Puu Waawaa and, also noticed in Hilo at Puueo.	Peters, 1930; Hon notes: registered at 13:18 (GMT); sharp local shock, no amplitude given, dur 6.2 min; VL 283, p. 3-4; HTH, 5/21/1930; Warshauer notes cont.: Similar felt pattern to Hualalai eqs of Sept.-Oct./1929
5/20/1930	18:52:00					hualalai os?			97.6	97.6	98.01	f	4.42								4.42	nomo	V (HTH; USE)	Hon notes: registered at 5:23, 5/21/30 (GMT); local shock, no amplitude given, dur 3.7 min; felt locally, more strongly in N Hilo; period slow on E side of island, quicker in N Kona, suggesting a Hualalai source	Peters, 1930; VL 283, p. 3-4; HTH, 5/21/1930
5/25/1930	20:17:00	19	26.0	155	25.0	kl sf?				25	26.57	m	4.55						4.7	WK	4.55	nomo	V (USE)	felt all Hawaii island, no objects overturned; stronger motion in Kau and Puna (strong at Keaau beach) than in Kona or Kohala; seismographs dismantled; WK M4.7 based on intensity distribution; VL 283, p. 4 suggests deep origin beneath Kilauea or Mauna Loa	VL 283 cont. Whitney-first motion down to S and E; Hilo-began w swaying, then strong jerks that quickly ended, first to NE, then to SW; Puu Waawaa-vibration long, not strong; Honokahau-a moderate shock with thunderous noise; Kealakekua-alarmingly sudden
6/3/1930	4:54:00					north hawaii					107.2	f	4.48								4.48	nomo	felt	felt on both east and west sides of island	not registered on Oahu; VL 285. p. 3
6/14/1930	0:25:00					kl sf?					19.2	s	4.09								4.09	nomo	IV	Hon notes: registered at 0:26; nearby type, no amplitude given; generally felt on east side of island; movement prolonged and moderate at Kilauea, shorter and ending in a sharp jerk at Hilo; vertical component pronounced on Kilauea seismogram; [moderate?]	Peters, 1930; VL 286. p. 3
7/22/1930	13:53:00					ml nf?					56	m	5.07								5.07	nomo	V-VI	felt generally on island of Hawaii, especially in N Kona; workmen severely jolted at halfway house on the Mauna Loa trail; shock alleged to be strongest since the Hualalai series last autumn; epicenter in saddle between Mauna Kea, Mauna Loa and Hualalai	VL 292, p. 3; HTH, 7/22/1930; not found in HA; Warshauer notes: felt most strongly in Kohala (objects thrown off shelves), and Puu Waawaa. Said to be strongest at since Hualalai series; see also bib
9/28/1930	20:35:00					kl cal deep?					25.6	m	4.53								4.53	nomo	III	dismantled instruments, strong vertical movement; felt as v gentle rocking motion by few; distance given as 12 mi on some instruments, 20 mi on others; inferred deep from Kona and Hilo records; felt hnp, kona; felt by some in all parts of island	VL 301, p. 4; VL 302, p. 4 [Powers inferred location as deep under Mokuaweoweo-distances fit Kilauea deep]; Peters, 1930; Hon notes: registered at 20:36:33; no amplitude given; not found in HTH
10/20/1930	8:25:00					kl cal deep?		30	3	3	30.15	m	4.92						5.6	intensity	5.25	nomo	V-VI; V (W&K)	dismantled seismographs; felt all Hawaii island, strongest on Kilauea slopes; seismograms indicate source under Kilauea crater; Warshauer notes: felt in Hilo, Honokaa,, Puu Waawaa, Kohala, and Waiohinu. Articles off shelves in Hilo and Waiohinu	Peters, 1930; Hon notes: registered at 8:25:24; felt sharply at Kilauea where all instruments were dismantled; no amplitude given, dur 20.5 min; distance assumed; VL 304, p. 4; HTH, 10/20/1930; see also bib
10/31/1930	18:23:00					south hawaii					51.2	s	4.29								4.29	nomo	felt	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	not registered on Oahu; VL 306, p. 2
12/1/1930	20:55:00					south hawaii					51.2	s?	4.29								4.29	nomo	felt	felt from Hilo to Kona (slight??-given as vf)	VL 311, p. 3
1/16/1931	20:44:00					ml ner deep?					48	s?	4.25								4.25	nomo	felt	felt generally, more in Hilo and Hamakua districts than elsewhere; epicenter apparently under center of island; origin deep under NE slope of Mauna Loa	not registered on Oahu; VL 317, p. 3; VL 319, p. 3

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S	M E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
1/29/1931	23:39:00					kl cal deep?			22	22	30	s	4.40								4.40	nomo	(Halemaumau); V (Waiohinu; USE)	Hon notes: registered 23:38:08, dur 10 sec; reported felt in Honolulu [Hawaii?]; no amp given; felt all Hawaii island; suggest origin beneath Mauna Loa; Warshauer notes: felt all island, dur 30 seconds, no damage; felt all Kona, Kohala, Hamakua, and Puna	distance of 30 km assumed to better fit data; [VL distance is 22 km]; Peters, 1931; VL 319, p. 3 [rockfalls in Halemaumau during quake]; HTH, 1/30/1931 [moderate? and/or deeper?]; not found in MN
3/8/1931	6:53:00					east hawaii					48	s	4.47								4.47	nomo	felt	felt in Hilo	not registered on Oahu; VL 324, p. 4
6/11/1931	18:51:00					ml wf?					60	s	4.88								4.88	nomo	V	felt stronger and quicker at Honokahau, small objects overturned; felt as a slow motion at Waimea, Hilo, Kau, and hnp; Warshauer notes: felt generally on the island, pronounced at Holualoa, definite in Hilo (Pueeo)	Peters, 1931; VL 338, p. 4; Hon notes: registered at 18:52; local, dur 8 min, no amplitude given; HTH, 6/12/1931; Warshauer notes cont.: Powers quoted as saying quake 27 mi from HVO, on slopes of Mauna Loa [distance low?-increased to raise mag]
8/30/1931	6:53:00					mauna loa					24	st?	5.00								5.00	nomo	IV	time given [in error] as 7:53; .felt generally on island of Hawaii; dismantled instruments in Kona, Hilo, and Kilauea; felt as slight and prolonged tremor at Kilauea, more strongly in Hilo, Olaa, and Kona; vertical seismograph indicates origin NW of HVO	VL 349, p. 3 [15 mi from hvo; 30 mi from Hilo]
12/8/1931	10:22:00					kaoiki?					22.4	m	4.43								4.43	nomo	V	not given; dismantled seismographs; persons near Mauna Iki reported noise seemingly from Mauna Loa progressing underfoot and heard rocks falling	Peters, 1931; VL 364, p. 4; not found in HTH
4/26/1932	1:59:00	19	36.5	155	38.5	ml nf	8	8		44.05	46.87	f	4.23								4.23	nomo	IV-V	23 mi from Kealakekua, 32 mi from HVO, 42 mi from Hilo; saddle between Mauna Loa and Hualalai; felt-Haina, Honomu, Hilo, Kamuela, Kohala, Waikii, hnp	VL 384, p. 3; Note: distances from three stations incompatible; lat and long at center of intersection given; Honolulu records unavailable; HVO, unpub
6/14/1932	4:51:45	19	28.0	155	22.0	kaoiki	13	13		11.16	17.13	m	4.25								4.25	nomo	V; V (W&K); III R-F (VL)	felt generally Hawaii island, Maui; Warshauer notes: severe earthquake recorded at 4:55 a.m.; dismantled both seismograph components, strong vertical motion; felt by practically everyone in Hilo and volcano, not felt in Kona; no damage, 9 mi from hvo	VL 388; HTH, 6/14/1932 [kl sf better fits felt reports?]; not found in MN
7/3/1932	23:59:00					maui?					240	vf	4.03								4.03	nomo		distance 150 mi	1 event (vf), no date or time; VL 388
7/7/1932	22:25:00					kl sf?					16	m?	4.20								4.20	nomo	felt	Warshauer notes: An earthquake, the strongest in Hilo in many months, rocked a section of the Big Island at 10:25 p.m. last night. No damage was reported from any districts. Felt most strongly at Hilo, also felt at volcano, slight at Puu Waawaa and Kapoho	not in VL; HTH, 7/8/1932; Warshauer notes cont.: apparently not felt at Hamakua, Kau and Kohala.
7/7/1932	22:30:49	19	18.8	155	15.9	kl sf	9.6	9.6	12.8	13.31	16.41	m	4.22								4.22	nomo	IV-V; V? (PCA)	8 mi s of HVO; felt generally Hawaii island, Oahu; [kcaldeep?]; Warshauer notes: Hilo shaken Thursday night by an earthquake which lasted a full minute at 10:29 p.m.; 15 mi from HVO in the direction of Hilo; similar intensity to event of 6/13; no damage	VL 389; HTH, 7/8/1932; not found in MN
8/19/1932	12:30:00	19	47.0	156	4.7	hualalai os	19.2	19.2		94	95.94	f	4.40								4.40	nomo	felt	3 mi n of Keahole pt and 2 mi at sea; felt-Kona, Kohala; Hawi-4; Hilo-felt lying in bed; Kukuihaele-3	VL 390; time given by felt reports (12:25-12:41 PM); HVO, unpub
8/31/1932	23:59:00					kona?					72	t	2.72								4.06	nomo		eqs: 30 tremors 30-60 mi distance; preferred magnitude calculated a nomogram magnitude multiplied by number of events	no specific date or time between 8/29 and 8/31/1932; VL 391
1/11/33	12:00:00					kona os?				320.0	320.1	vf	4.23								4.23	nomo		A very feeble shock, about 200 mi west to southwest of Hawaii, preceded [the event at 12:45]. This shock was probably in the vicinity of a large submarine mountain. Note: Loihi distance about 53 km from Kilauea's summit	VL 395
1/11/33	12:45:00	20	0.0	154	49.5	mauna kea?				78.2	78.7	f	4.00								4.00	nomo		location uncertain; 20-30 mi NE of Hilo; preceded, during the noon hour, by four foreshocks or tremors at unknown distance.	VL 395
2/4/33	6:17:00	18	42.00	155	15.00	kl kuer sf os deep?		40.0		81.3	90.6	f-felt	4.69		4.62	no trace					4.83	aver	IV	felt-Holualoa, Hakalau, Hilo, hnp; Honaunau-2; Hakalau-4; hnp-windows rattled, pheasants squawked; Holualoa-4; preferred magnitude calculated as average of Honolulu and nomogram	50 mi due s of HVO; recorded at three stations; Honolulu amplitude average of two readings; VL 396; HVO unpub.

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
6/29/33	0:44:00	19	40.0	155	48.0	hualalai	1	1		62.6	62.6	s	4.43	no trace	no trace					4.43	nomo	VI	reported at three or more stations-moved furniture; damaged stone walls; Puu Ulaula-5, awakened campers, dur 4-5 sec, dishes moved; Honomu-4, long and feeble; Kealakekua-6, building shuddered violently 3-4 sec; Hookena-4, objects moved, stone wall down	VL 400; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]; postcard data cont.; Holualoa-4, reported from north and south Kona; Hilo-3
7/31/33	11:56:00	19	20.0	155	30.0	kaoiki	16	16		27.4	31.8	s	4.44	4.76	no record					4.76	hono	IV	felt sharply Kapapala ranch; Pahala, Naalehu, Hookena, HNP; Hookena-2, water agitated in tank; Honokaa-2, slight; Naalehu-4, stone wall down?; Paauilo-4, building shook, windows rattled; Kapapala-house shook strongly	VL 402; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
9/2/33	12:00:00	19	2.0	155	40.0	hilea	8	8		61.5	62.0	f	4.10							4.10	nomo			VL 403
9/7/33	14:40:00	19	18.0	155	27.0	hilea	40	40		24.7	47.0	s	4.45	<4.37	<4.37					4.45	nomo	III	felt-HVO, Hilo; Hilo-2, slight shaking and creaking of building	felt report; VL 403; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
9/26/33	21:15:00	19	42.0	155	23.0	ml nf	10	10		32.6	34.1	f-felt	4.01							4.01	nomo	V	felt-Honomu, Hakalau, Hilo, Pahala, Olaa, Papaikou; Warshauer notes: slight quake, felt in some parts of Hilo; Papaikou-4, hanging objects shook, felt all Onomea; Hakalau-6; Olaa-3, jolt, also felt in Pahala; Hilo-3, mirror swung; Honomu-6, strong	VL 403; HTH, Sept. 27, 1933; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/13/33	3:01:00	19	15.00	154	23.00	kl ler sf os?		10.0		94.7	95.2	m	5.20	<4.80	<4.66					4.50	hono	felt	lightly felt; Kealakekua-prolonged gentle swaying east to west; Hilo-2, felt in Kaumana; preferred magnitude estimated from Honolulu data, consistent with felt report	closer?; slight?; VL 404; HVO, unpub.; not found in HTH
10/19/33	5:57:00					ml nf?			28	28.0	29.4	s-felt	4.13	<4.40	<4.32					4.13	nomo	V	rocked Hilo; Hilo-2, III, mirror swung, building creaked slightly, dur 15-20 sec; Honomu-2-3; Papaikou-3, building creaked	as 5:37-corrected from felt reports; VL 404; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/21/33	9:10:00	19	21.5	155	31.5	kaoiki	3.2	3.2		29.0	29.2	m	4.62	4.76	4.76					4.76	hono	V?	shock felt all island, equally severe shock few sec later; felt all Hilo, v strong at Kapapala; additional felt data in HVO unpub	VL 404; HTH, Oct. 21, 1933; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/21/33	9:11:00	19	25.0	155	30.0	kaoiki	14	14		25.2	28.9	m	4.61	4.82	4.55					4.68	hono	V?	above; Honomu-5 (first), VI (second), dur 3 sec, felt by everyone; Kealakekua-4, building creak, window rattle; Kapapala-4, felt 4 quakes (aftershocks at 6:30, 9:19, 10:20 PM 10/21 and 4:37 am 10/22)	VL 404; HTH, Oct. 21, 1933; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
12/2/33	5:55:00					ml mok	13	13	34	34.0	36.4	s	4.28	<4.50	<4.32					4.28	nomo	II R-F (VL)	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	VL 406, p. 2; HTH, Dec. 2, 1933
12/2/33	6:01:00	19	28.5	155	37.0	ml mok	5	5		37.8	38.1	s	4.31	<4.50	<4.32					4.31	nomo	V	[Red Hill] rest house; Warshauer notes: see above; Hilo-very slight (6:03 am)	[intensities-arabic numerals-in remarks column refer to HVO postcards]
12/2/33	6:06:00	19	32.0	155	35.0	ml mok	5	5		35.8	36.2	s	4.27	<4.50	<4.32					4.27	nomo	VI (USE)	3 mi NE of n end of Mokuaweoweo; felt with alarm, ml [Red Hill] rest house, lightly at Hilo; Warshauer notes: see above	VL 406, p. 2; HTH, Dec. 2, 1933
1/9/34	1:59:00	19	12.5	155	44.0	hilea	5	5		55.6	55.8	s-felt	4.35	no trace	no trace					4.35	nomo	V	felt-Hookena, Kapapala, Pahala, HVO; Hilo-slight, dur 15 sec; Hakalau-4 (time 4 am); Pahala-3, buildings shook; Hilea-sharp quake, dur 6 sec; Honaunau-3, awakened; Hookena-2 (3 am)	VL 407; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
1/13/34	13:35:00	19	11.00	155	11.00	kl kuer sf os deep?	16.0	40.0	27.0	28.7	49.2	s-felt	4.75	5.46	5.11					5.28	hono	V	felt generally Hawaii island; Hakalau-6; Pahala-3, building shook/windows rattle; Holualoa-4, long double quake, felt all north and south Kona; hnp-4, window/door rattle acc by rumble, decided jolt, then 2nd lesser; Honaunau-3, windows rattle	Honolulu amplitude average of two readings; nomogram magnitude low-deeper? and/or moderate?; not mentioned in W&K; VL 407; HVO, unpub
2/9/34	9:59:00	19	13.0	155	33.0	hilea				38.7	39.7	s	4.34	no trace	incomplete					4.34	nomo	IV	felt sharply Kapapala ranch; felt-Hookena,, HVO; Pahala-3, building creak and shake, Wood valley-cane thrashing, horse disturbed; Hookena-4, dur 6 sec, building creak, hanging objects moving	VL 408; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
2/24/34	17:31:00	19	46.0	155	42.0	mauna kea	16	16		59.5	61.6	f-felt	4.10	<4.35	no record					4.10	nomo	IV	felt-HVO, Hakalau, Honokaa; Honokaa-3, slight shock; hnp-felt at summer camp; Hakalau-4	VL 408; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]

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3/1/34	22:22:00	19	33.0	155	35.0	ml nf				36.5	37.6	s	4.30	<4.55	no trace					4.30	nomo	V	felt generally Hawaii island; Warshauer notes: see bib; Pahala-2; Honomu-3, rocking, dur 1 sec, west to east; Hilo-felt strongly by person lying down, e-w followed by n-s; Kona-felt; Hakalau-5	VL 408; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
4/9/34	2:06:00	20	9.0	155	53.0	kohala				103.4	103.8	vf-felt	4.19	no trace	no trace					4.19	nomo	IV	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; Honokaa-3	VL 410; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
4/9/34	8:21:00	20	6.0	155	43.0	kohala				88.6	89.0	f-felt	4.08	no trace	no trace					4.08	nomo	IV	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; Honokaa 4	VL 410; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
4/14/34	19:51:00	19	37.5	154	43.0	hilo os				61.3	62.0	s	4.65	<4.92	<4.70					4.65	nomo	III?	felt-Olaa, Hilo; Hilo (7:52:40 PM, 7:50 PM)-felt by several in at least two locations, slight shock	VL 410; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
4/14/34	19:51:00	19	37.50	154	43.00	kl ler os		5.0		61.3	61.5	s	4.64	no trace	no trace					4.64	nomo	felt	felt-Olaa, Hilo	closer?; VL 410
5/10/34	10:09:00	19	38.0	155	23.0	ml nf?	25	25		25.9	36.0	m-st	>5.04	5.80	5.60					5.70	hono	VI	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	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
5/13/34	15:23:00	19	22.5	155	22.5	kaoiki	20	20		13.5	24.2	s	4.25	4.45	no trace					4.45	hono	V	felt-HVO, Hilo,; Warshauer notes: Hilo rocked by 2 shocks 3 minutes apart, 2nd more feeble; generally felt, strongly in Kohala, minor damage; Hilo-3-4, building rocked, felt moderately, furniture rattled; Honokaa-4	VL 411; HTH, May 14, 1934; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
5/13/34	15:25:00	19	13.0	155	39.0	hilea	4	4		47.4	47.6	s	4.24	det.?	overex posed					4.24	nomo	III	felt-HVO, Hilo; Warshauer notes: see above; Hilo-2 3, v short, hnp-felt	aftershock; VL 411; HTH, May 14, 1934; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
6/26/34	19:07:00	19	12.00	155	5.00	kl mer sf os?	10.0	10.0		31.8	33.3	m	4.71	4.75	4.75					4.75	hono	V	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	VL 412; HVO unpub; HTH, 6/27. 1934
9/17/34	11:56:00	19	2.0	155	13.0	loihi	17	17		44.5	47.6	f-felt	4.24							4.24	nomo	II	felt-HVO, Honomu; Honomu-2, dur 1 sec	VL 415; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/13/34	19:14:00	19	28.0	155	30.0	mauna loa deep	65	65		25.5	69.8	m	5.22	5.22	5.18					5.20	hono	V	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	VL 416; HTH, Oct. 15, 1934; extensive felt reports in HVO, unpub
10/19/34	0:20:00	19	30.0	155	40.0	mauna loa deep	60	60		43.5	74.1	f-felt	4.22	<4.32	no record					4.22	nomo	V	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	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]
1/2/35	6:47:17	19	25.50	155	17.00	kl cal deep	3.0	30.0		2.4	30.1	m	4.64	4.75	4.80			5.90	W&K; S&C	5.15	aver	VI (W&K) ; V (C&S)	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)	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, 1/2/1935; additional felt data in HVO unpub
3/3/35	0:12:00					maui?					240.0	vf-felt	4.03	4.27	4.43					4.35	hono	V	Haleakala-4, movement up and down, cement cornice of building fell off; Wailuku-not very strong; felt all Maui, Oahu and in Kohala	not separately reported in VL 420, but included in table; time from Hon film record; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]; Maui/Molokai consistent with Hon mag and felt reports
6/5/35	6:55:00	19	28.0	155	48.0	kona	24	24		57.0	61.8	f-felt	4.10	<4.62	<4.55					4.10	nomo	III	felt-HVO and Honokaa; Honokaa-felt a light shake	VL 424; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]; stronger trace on kona seismograph

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
6/25/35	0:45:00	19	26.50	155	16.50	kl cal 10-20	5.0	15.0		1.9	15.1	m	4.16	<4.37	<4.42					4.16	nomo	V	island, dismantled seismographs; Anuhea-3, building creaked; Honokaa-quite a shock; hnp-wakened many, quite hard at kmc; Puu Ulaula-wakened party at rest house; Papaikou-felt, Hilo-many awakened	greater depth assumed consistent with felt reports; VL 424; HVO unpub
6/27/35	8:14:00	19	40.0	156	0.0	hualalai				82.2	82.7	vf-felt	4.03	<4.07	<4.07					4.03	nomo	V	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.	looked for, not found on Hon film record; VL 424; HTH, June 28, 1935
6/28/35	9:00:00					kl sf?	8.0	10.0		19.2	21.6	m-st	4.69	5.71	5.82			5.6; 5.7	GUTE; W&K	5.76	aver	VI; VI (W&K; S&C); V (USE)	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	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, 6/28/1935
9/30/35	22:36:00	19	22.0	155	39.5	ml swr	45	45		42.5	61.9	m	4.90	4.70	4.80					4.75	hono	IV	felt generally Hawaii island; Warshauer notes: felt locally (long, swaying), one of 4 shocks felt island-wide, no damage	seismogram pictured in VL 444, p. 3; VL 428; HTH, Oct. 1, 1935
9/30/35	22:36:00	19	22.0	155	39.5	ml swr	45	45		42.5	61.9	m	4.90	4.70	4.80					do	do	do	volcano (1 of 4 shocks), Kapapala (Kau-1 of 8 shocks), Hilo-2, 4-building shook (1 of 6 shocks), less strong at Kona, Puu Waawaa and Kohala, Hakalau-slight, felt by all; Honomu-very feeble	HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
9/30/35	23:58:00	19	38.7	155	26.3	ml nf	26	26		30.3	39.9	m-st	5.61	5.46	5.79					5.62	hono	V; IV (S&C)	felt all Hawaii island, some damage in Hilo; Warshauer notes: strongest of series; felt Hilo, volcano, Kau, Kona; no damage	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
9/30/35	23:58:00	19	38.7	155	26.3	ml nf	26	26		30.3	39.9	m-st	5.61	5.46	5.79					do	do	V; IV (S&C)	Warshauer notes: Jaggar concludes quake series was off Puna [contradicts VL locations]; Hilo-2, quite a heavy shock; Hilo-6, building shook; Holualoa-5, rather heavy and long; Honomu-strong; Hookena-hanging objects swung	HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/1/35	0:02:00	19	38.7	155	26.3	ml nf?				30.3	31.6	m	4.67	lost in ms	lost in ms					4.67	nomo	felt	felt as a continuation of M5.6 eq; location uncertain; Warshauer notes: felt Hilo, Volcano, Kau, Kona (Holualoa-light shock); Honomu-felt?	VL 428; HTH, Oct. 1, 1935; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/1/35	0:34:00	19	38.7	155	26.3	ml nf?				30.3	31.6	s	4.18							4.18	nomo	felt	associated with preceding two quakes; Warshauer notes: felt Hilo, not volcano	VL 428; HTH, Oct. 1, 1935
10/1/35	10:22:00	19	38.3	155	19.2	ml ner				23.9	25.5	m	4.29	<4.63	4.15					4.15	hono	II	felt-Hilo and HVO; felt at Pahala and Hilo (10:37); Hilo-2	Honolulu data average of two readings; VL 428; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
11/21/35	1:11:00	19	31.0	155	31.5	ml ner	5	5		29.4	29.8	m (st?)	5.64	5.03	5.05			5.6	W&K	5.43	aver	VI; V (S&C)	felt-Waikiki (Oahu), Hana (Maui), Kapapala ranch, dur 90 sec, items off shelves, window broke; Warshauer notes: see bib; extensive felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu, Whitney as read, and W&K	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 [intensities-arabic numerals-in remarks column refer to HVO postcards]
11/21/35	18:35:00					ml ner		5	34	34.0	34.4	s	4.01							4.01	nomo		do	Mauna Loa eruption begins, from north bay of Mokuaweoweo to Red Hill, 4 miles down Mauna Loa northeast rift zone; VL 429
11/21/35	18:42:00					ml ner		5	34	34.0	34.4	s	4.01							4.01	nomo		do	VL 429
2/5/36	12:00:00	19	35.8	155	41.3	ml nf deep	33.6	33.6		48.7	59.1	f-felt	4.07	<5.22	<5.22					4.07	nomo	felt	5 mi NW of Puu Koli; felt-Hilo, hnp	VL 432, p. 2; time not given
3/21/36	15:50:00					hualalai			77	77.0	77.5	f	4.26	<4.77	no trace					4.26	nomo		w slope Hualalai	VL 433, p. 3
4/15/36	8:27:00	19	24.00	155	15.00	kl cal deep	30.0	30.0		3.6	30.2	m	4.64	4.72	4.60					4.66	hono	V (USE); IV (kona)	felt generally Hawaii island, specific reports from Olaa, Hookena, and Hamakua coast; felt rather strongly in volcano; e-w component dismantled; Hookena-3, building creaked	VL 434, p. 2; HVO, unpub
1/31/37	7:33:00	19	45.5	155	55.3	hualalai	28.8	28.8		78.6	83.7	s	4.63	<4.77	<4.77					4.63	nomo	IV	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-4 (7:02 am-same event?), building creaked, hanging objects moved	VL 444, p. 6; HTH, Feb. 1, 1937; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/9/37	7:29:00	19	16.30	155	12.20	kl kuer sf	11.2	11.2		18.7	21.8	m	4.42	<4.65	<4.81					4.42	nomo			VL 446, p. 7
4/18/37	4:10:00	19	41.7	155	52.3	hualalai				70.8	71.3	f-felt	4.20	<4.35	<4.47					4.20	nomo	IV	(strong); Warshauer notes: felt sharply throughout island, more in Waimea and Kohala; v strong at Waikii; additional felt reports in HVO, unpub	VL 446, p. 7; HTH, Apr. 19, 1937; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
7/30/37	14:40:00	19	32.0	155	28.0	ml ner				24.5	26.1	m	4.30	4.28	4.20					4.24	hono		near Puu Ulaula	VL 449, p. 7
1/22/38	22:03:00	21	12.0	156	6.0	maui				215.7	215.9	m-st	6.29	>6.2	>6.2			6.8	GUTE	6.80	gute	VIII; VIII (W&K; Cox); VII (S&C)	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	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. 24-28, 1938; extensive felt reports in HVO, unpub
1/22/38	22:03:00	21	12.0	156	6.0	maui				215.7	215.9	m-st	6.29	>6.2	>6.2			6.8	GUTE	do	do	VIII; VIII (W&K; Cox); VII (S&C)	description of earthquake and damage in bib (Jaggar, 1938-VL 457) and newspapers; recorded at Fordham University at 2:45 and 2:53 a.m. EST Jan. 23 [time disagrees, should be one hour later?].	seismogram from "low magnification" instrument pictured in VL 457, p. 3, assume drum moves at 60 mm/min, amp 42 mm N-S; assumed gain of 33 yields agreement with GUTE magnitude of 6.8; HTH, Jan. 24-28, 1938
2/17/38	2:18:00	19	33.0	155	27.0	ml ner	12.8	12.8		23.9	27.1	m	4.33	4.27	no trace					4.27	hono	IV-V	felt strongly in Kona and hnp, slightly by many in Hilo; Kealakekua-v slight single shake, dur 3-5 sec	numerals-in remarks column refer to HVO postcards]
3/7/38	5:56:00	19	42.0	155	32.0	mauna loa deep	44.8	44.8		41.5	61.0	m	4.89	4.91	4.28					4.60	hono	V	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 Honokaa, slight at Kohala and Puu waawaa; prolonged at Kona; HVO seismometers dismantled	VL 457, p. 6; HTH, Mar. 7, 1938; additional felt reports in HVO, unpub
5/28/38	6:35:00					kl cal deep?		30.0		5.1	30.4	s?	4.15	4.30	4.07					4.18	hono	felt	should be feeble if kcaldeep, slight if south flank, moderate if uer; obscured by tremor? felt?	not in VL 459; kuer sf or kcaldeep? to be consistent with being recorded on Oahu
6/1/38	10:38:00	19	18.20	155	11.50	kl kuer sf	11.2	10.0		16.0	18.8	m	4.31	no record	no record					4.31	nomo		Warshauer notes: A moderate shock about 10:45 a.m. Wednesday dismantled the instruments	Hon film record missing; VL 460, p. 3; HTH, 6/6/1938; not found in PCA
6/2/38	15:33:00	19	21.70	155	19.50	kl cal deep	24.0	24.0		10.2	26.1	s	4.05	<4.50	<4.42					4.05	nomo			VL 460, p. 3; not found in PCA
8/8/38	23:59:00					kl uer		3.0	5.6	5.6	6.4	s	3.06							4.42	calc		assume uer/Koae; av depth = 3 km; average distance = 5.6 km; preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; 31 events (slight) not separately tabulated in VL 462 or recorded in Honolulu
8/8/38	23:59:00					kl uer		3.0	5.6	5.6	6.4	f	2.52							4.02	calc		assume uer/Koae; av depth = 3 km; average distance = 5.6 km; preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; 45 events (feeble) not separately tabulated in VL 462 or recorded in Honolulu
10/25/38	12:18:00	19	27.80	155	9.50	kl gln deep	25.6	25.6		11.4	28.0	s-felt	4.10	<4.2	<4.2					4.10	nomo	III	felt-Hilo, hnp; Warshauer notes: An earthquake, classified as slight at Kilauea observatory, was sharply felt in Hilo yesterday about 12:20 p.m.	VL 462, p. 5; HTH, 10/26/1938
10/27/38	18:11:00	19	42.0	155	50.2	hualalai	24	9		67.7	68.3	s (kona?)	4.00	<3.95	<4.07					4.00	nomo	V	followed by gentle side motion for 5-6 sec, buildings creak, hanging objects move, water tanks slopped over; Kealakekua-telephone central reports strong shock	better fit if distance referenced to Kona, not Whitney; shallower?; VL 462, p. 5; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
1/19/39	14:58:00	19	41.6	155	52.0	hualalai	25.6	25.6		20.8	33.0	s-felt	4.21	4.35	4.16					4.25	hono	IV	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 reported; felt strongly Kona, short and sharp Kohala and Honokaa, slight in Kau, not feltVolcano or Hilo.	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
4/12/39	4:18:00	19	27.00	155	14.00	kl gln deep	28.8	28.8		3.6	29.0	s-felt	4.12	<4.32	<4.32					4.12	nomo	V	felt-Hilo, Olaa, hnp; Hilo-3; Warshauer notes: felt generally on Big island; awakened sleepers in Hilo; no damage	VL 464, p. 5; HVO unpub; HTH, 4/12/1939
5/15/39	10:28:00	19	22.00	155	8.00	kl mer sf	16.0	10.0		15.2	18.2	m-st	4.74	5.06	4.73					4.90	hono	VI; VI (S&C)	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	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, 5/15/1939; see HVO unpub and bib for complete felt report

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
5/23/39	14:14:00	19	28.5	155	22.0	kaoiki	19.2	19.2		12.2	22.7	m-st	4.72	4.88	5.07			4.8	W&K	4.97	hono	VI	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	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
5/24/39	12:59:00	19	25.00	155	14.00	kl cal deep	24.0	30.0		3.3	30.2	m-st	4.92	5.26	5.52					5.39	hono	VI	instruments; Warshauer notes: felt in all districts of Hawaii island, also Oahu [denied, HTH May 26]; objects knocked from shelves in volcano district;	Honolulu amplitude average of two readings; VL 464, p. 6; HTH, 5/24; 26/1939; see also HVO unpub and bib for additional felt reports
5/24/39	13:09:00	19	25.00	155	14.00	kl cal deep	32.0	32.0		3.3	32.2	s	4.19	no trace	no trace					4.19	nomo		hnp-felt, caused landslide in Halemaumau	VL 464, p. 6; HVO, unpub
5/29/39	19:15:00	19	30.0	156	50.0	lanai se	40	40		166.0	170.7	vf-felt	4.53	4.91	4.78					4.85	hono	V	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	attenuated at Whitney?; VL 464, p. 6; HTH, May 30, 1939; HA, May 30, 1939; additional felt reports in bib and HVO, unpub
5/31/39	15:10:00	19	18.50	155	14.50	kl kuer sf	17.6	10.0		13.8	17.0	m-st	4.52	4.71	4.63					4.67	hono	V	hnp-6	Honolulu amplitude average of two readings; VL 464, p. 6; HVO unpub
5/31/39	20:38:00	19	37.5	155	15.5	ml ner	19.2	19.2		21.6	28.9	s-felt	4.12							4.12	nomo	V	felt-Hilo, hnp; Warshauer notes: generally felt throughout volcano and by a few persons in Hilo; hnp-6	VL 464, p. 6; HTH, June 1, 1939; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
5/31/39	20:51:00	19	34.0	155	10.5	kaoiki	17.6	17.6		17.6	24.9	m-st	4.78	4.45	4.60					4.52	hono	V	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-6; Paauhau-3, quite sharp, dur 5 sec; Hilo-slight, felt by most	shallower?; VL 464, p. 6; HTH, June 1, 1939; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
6/12/39	1:11:00	19	21.00	155	17.00	kl cal deep	20.8	20.8		9.3	22.8	m-st	4.72	4.64	4.65					4.65	hono	V	felt generally-Hawaii island, strongest in Hilo and hnp; Kealakekua-short tremor, slight shake, short tremor; hilo-mod, wakened many; hnp-3, wakened persons; Warshauer notes: Hilo-wakened person, prolonged rattling of windows/doors; dismantled instruments	Honolulu amplitude average of two readings; possible surface waves noted on the Honolulu seismogram; VL 464, p. 6; HVO unpub; HTH, 6/12/1939; weaker than earlier 4 shocks; felt dur 30 sec
6/19/39	3:49:00	19	25.30	155	15.00	kl cal deep	24.0	24.0		1.6	24.1	m	4.25	<4.60	<4.53					4.25	nomo	III	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	time changed to agree with newspaper and postcard data; VL 464, p. 7; HVO unpub; HTH, 6/19/1939
7/1/39	0:20:00	19	23.00	155	11.50	kl cal 10-20?	17.6	17.6		9.0	19.8	m	4.35	4.30	4.48					4.39	hono	V	awakened many in Hilo and hnp, dism seis; hale Pohaku (Mauna Kea)-fairly sharp quake, dur 3-4 sec, wakened most sleepers; hilo-3, wakened; Warshauer notes: felt all Hilo and volcano dist; dur ~6 min, felt ~15 sec; rattled windows, awakened many, no damage	Honolulu amplitude average of two readings; VL 464, p. 7; HVO unpub; HTH, 7/1/1939
7/14/39	3:51:00	19	19.50	155	7.00	kl mer sf	8.0	8.0		19.2	20.8	m-st	4.66	4.99	5.08			5.50	W&K; S&C	5.04	hono	V; V (S&C)	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.	Honolulu amplitude average of two readings; isoseismal map in W&K (mag too high?); VL 465, p. 5; HTH, 7/14/1939; see HVO unpub and bib for complete felt report
8/5/39	13:46:00	19	31.0	156	2.0	hualalai?	12.8	12.8		82.0	83.0	vf-felt	4.03							4.03	nomo	IV	felt-Holualoa, Hookena; Hookena-2; Kau and Kona rather sharp and short, single shake with vertical motion; Holualoa-5	VL 465, p. 5; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]; not found in HTH
8/17/39	5:57:00	19	19.50	155	6.50	kl mer sf	12.8	10.0		20.0	22.3	m	4.43	4.26	4.46					4.36	hono		no intensity reports!	Honolulu amplitude average of two readings; VL 465, p. 6; not found in HTH
8/17/39	6:18:00	19	21.50	155	7.00	kl mer sf	6.4	6.4		17.2	18.4	m	4.30	<4.46	<4.46					4.30	nomo		no intensity reports!	VL 465, p. 6; not found in HTH
6/11/40	17:32:00	19	26.8	155	31.6	kaoiki	28.8	28.8		28.1	40.2	s-m (f-s?)	4.12	<4.27	<4.02					4.12	nomo	V	felt-Hookena, Kealakekua, hnp; Kealakekua-slight tremor followed by shake that dwindled away, dur 5 sec; Hookena-4, slight tremble followed by sharp shake, buildings shook, objects on shelves moved	feeble-slight?; shallower?; VL 468, p. 12; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
6/16/40	23:56:49	21	0.0	155	18.0	maui east				174.5	174.8	st	6.14	off scale	off scale			6.0	GUTE	6.00	gute	VI; V (S&C)	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	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
6/17/40	0:14:00	21	0.0	155	18.0	maui east				174.5	174.8	s	5.37	lost in ms	lost in ms					5.37	nomo	IV	aftershock of 6/16/40 earthquake; Warshauer notes: slight shock, dur 2 sec; second slight quake; Kealakekua-very slight and very short; Hookena-2, dur 5 sec, sort of bubbling motion; (Maui)-4, shook windows	VL 468, p. 12; HSB; HTH, June 17, 1940; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
6/17/40	7:47:00	21	0.0	155	18.0	maui east				174.5	174.8	m (feeble?)	4.82	4.59	4.72					4.65	hono	V (S&C)	aftershock of 6/16/40 earthquake; felt-Hawaii, Maui, Oahu; Warshauer notes: a moderate quake	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
6/17/40	12:39:00	21	0.0	155	18.0	maui east				174.5	174.8	s	5.37	5.42	5.00					5.20	hono	(S&C); III (hamak	Oahu; Warshauer notes: another aftershock bet slight and moderate; Hakalau-moderate; Kealakekua-v slight shake of 2 sec dur, felt by few;	VL 468, p. 12; HTH, June 17, 1940; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
7/4/40	15:55:00	20	4.9	154	42.2	mauna kea os				93.2	93.7	f	4.12	4.05	4.00					4.03	hono		40 mi NE of Hilo	VL 469, p. 5
7/9/40	19:30:00	20	8.6	155	9.1	mauna kea os				80.0	80.6	f	4.61	4.78	4.78					4.78	hono		offshore 12 mi NE of Ookala	VL 469, p. 5
7/15/40	16:48:00	20	54.0	155	8.0	maui east				163.9	164.2	m	5.82	5.90	5.91			5.6	GUTE	5.90	hono	V; V (S&C)	mainshock: felt-all islands ex Kauai; Warshauer notes: strong at Kohala, lasting for 30 sec; slight in Hilo, felt by many; Paauhau-3, single brief very noticeable vibration; Ulupalakua (Maui)-light shock, dur 20 sec, visible bouncing of bed mattresses	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 [intensities-arabic numerals-in remarks column refer to HVO postcards]
7/15/40	21:13:00	20	54.0	155	8.0	maui east				163.9	164.2	vf-felt	4.51	4.52	4.52					4.52	hono	II	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-2, single vibration, brief and very weak	VL 469, p. 5; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
9/1/40	22:15:00	21	0.0	155	16.0	maui east				174.5	174.7	m	5.62	5.58	5.20			5.6	GUTE	5.39	hono	IV (S&C); V (USE)	felt generally Hawaii island	W&K report M 5.5-not derived from felt area; VL 469, p. 5; not found in HTH
1/17/41	7:30:00	19	40.3	156	3.5	hualalai	22.4	22.4		88.2	91.0	s-felt	4.91	4.77	3.93					4.77	hono	VI	felt strongly Puu waawaa; also, Kailua, Hookena, Hilo; Puu waa waa ranch-6, buildings shook quite hard, some objects fell off shelves; Hookena-2, building shaken; Waimea-rattled windows, dur 15 sec	VL 471, p. 4; not found in HTH; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
1/18/41	9:34:00	20	12.3	155	13.2	mauna kea os				86.2	86.6	f	4.33	4.62	4.44					4.53	hono		15 mi n of Papaaloa near earthquakes of summer 1940	VL 471, p. 4; not found in HTH
2/8/41	9:19:00	20	10.2	155	0.0	mauna kea os				86.7	87.1	f	4.34	4.56	4.69					4.62	hono			VL 471, p. 4; not found in HTH
2/11/41	21:56:00	20	34.0	154	49.0	kohala os				134.7	135.0	f	4.37	4.13	4.01					4.07	hono			VL 471, p. 4
2/18/41	11:53:00	19	41.0	155	39.0	mauna loa deep	48	48		49.7	69.1	s	4.72	4.56	4.56					4.56	hono			VL 471, p. 4; not found in HTH
4/20/41	10:46:00	19	23.90	155	16.00	kl cal deep	1.6	25.0		3.7	25.3	m	4.52	4.58	4.47					4.53	hono	IV	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	VL 472, p. 3; HTH, 4/21/1941; see HVO unpub for additional felt reports
9/25/41	7:18:00	19	21.0	155	27.0	kaoiki	11.2	11.2		21.9	24.6	m-st	4.78	5.80	5.85			6.0		5.82	hono	VII; VII (S&C)	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 Naalehu, Kohala, Puna, Kona; no damage	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
10/25/41	8:54:00					mauna kea		40	73	73.0	83.2	f-felt	4.63	4.96	5.20					5.08	hono	felt	island; this and subsequent quakes precursory to Mauna Kea swarm starting Nov. 13; Warshauer notes: felt at Hawaii National Park, Hilo, and Kohala	slight?; VL 474, p. 3; HTH, Oct. 30, 1941
11/13/41	20:07:00	20	4.0	155	42.0	mauna kea?		43	83.2	84.5	94.8	f-felt; s (ml)	4.40	3.99; 4.61	thick line					4.30	hono	felt	52 mi from HVO; felt-Waimea; Warshauer notes: felt at Waimea; felt in Waimea, Kohala, north Kona, Hamakua and [probably] at Kilauea	Hon magnitude average of two readings; VL 474, p. 3; HTH, Nov. 15; 21, 1941

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
11/15/41	6:53:00	20	4.0	155	42.0	mauna kea?	43.2	43.2	83.2	84.5	94.9	s	5.20	5.73	4.91					5.32	hono	felt	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	VL 474, p. 3; HTH, Nov. 15; 21, 1941; not found in HA
11/15/41	18:37:00					mauna kea?		43	83.2	83.2	93.7	f-felt	4.39	4.02	4.22					4.12	hono	felt	52 mi from HVO; felt generally north Hawaii island; Warshauer notes: felt in northern portion of island and by several in Hilo	VL 474, p. 3; HTH, Nov. 21, 1941
11/16/41	2:31:00					mauna kea?	43.2	43.2	81.9	81.9	92.6	f-felt	4.11	<4.10	<4.10					4.11	nomo	felt	near Waimea 52 mi from HVO; newspaper time accepted; Warshauer notes: felt in Hilo; felt at Waimea and perhaps other places in north Hawaii	VL 474, p. 3; HTH, Nov. 21, 1941
11/16/41	9:41:00	20	4.0	155	42.0	mauna kea?	43.2	43.2	83.2	84.5	94.9	m	5.71	5.83	5.83					5.83	hono	V; V (S&C)	near Waimea 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	VL 474, p. 3; HTH, Nov. 21, 1941
11/18/41	2:56:00	20	4.0	155	42.0	mauna kea?	43.2	43.2	83	84.5	94.9	m-st	5.71	6.07	6.17					6.12	hono	VI; V (S&C)	near Waimea, 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.	VL 474, p. 3; HTH, Nov. 18, 1941
11/18/41	10:30:00	20	4.0	155	42.0	mauna kea?		43	83	84.5	94.8	f-felt	4.72	5.05	4.50					4.72	hono	felt	felt generally Hawaii island	VL 474, p. 3
11/18/41	10:33:00	20	4.0	155	42.0	mauna kea?		43	83	84.5	94.8	f-felt	4.40	<4.22	<4.22					4.40	nomo	felt	felt generally Hawaii island	VL 474, p. 3
11/19/41	7:43:00	20	4.0	155	42.0	mauna kea?		43	83.2	84.5	94.8	f-felt	4.72	5.17	5.40					5.29	hono	felt	52 mi from HVO; felt widely	slight?; VL 474, p. 3
11/22/41	10:04:00	20	4.0	155	42.0	mauna kea?		43	83	84.5	94.8	f	4.13							4.13	nomo		near Waimea	VL 474, p. 4
11/22/41	21:23:00	20	4.0	155	42.0	mauna kea?		43	83	84.5	94.8	s	5.20	5.61	5.50					5.56	hono	V (W&K)	near Waimea; felt generally Hawaii island, few on Maui	moderate?; VL 474, p. 4
11/22/41	22:12:00	20	4.0	155	42.0	mauna kea?		43	83	84.5	94.8	vf-felt	4.13							4.13	nomo	felt	felt-Waimea	VL 474, p. 4
1/25/42	6:13:00					kaoiki?			25.6	25.6	27.1	s-felt	4.07							4.07	nomo	V-VI	16 mi from HVO; felt-hnp; broke dishes at KMC	VL 475, p. 2
2/8/42	17:48:00	19	38.0	155	10.0	hilo deep	48	48	24.5	24.6	53.9	s	4.81	5.15	5.23					5.19	hono	felt	8 mi SW of Hilo; felt-Hilo, hnp; Hilo seismograph dismantled	farther away? or moderate?; VL 475, p. 2; not found in HTH
2/18/42	11:09:00	19	25.80	155	16.60	kl cal 10-20	12.8	12.8	2.0	1.7	12.9	m	4.05	no record	no record					4.05	nomo	V	n end Kilauea crater; felt-hnp, awakened many, dismantled HVO and mlo seismographs	VL 475, p. 2
2/21/42	8:11:00	19	32.0	155	28.0	ml ner	8	8	24	24.5	25.8	m	4.81	6.09	6.09					6.09	hono	VI	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	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]
2/21/42	8:14:00	19	32.0	155	28.0	ml ner	8	8	24	24.5	25.8	m	4.81	6.14	6.09					6.11	hono	VI	do; felt widely; another and stronger shock occurred at about 9:14 a.m.	VL 475, p. 2; HTH, 2/21; 22/1942; HSB, 2/21/1942; time given as "shortly after 9 a.m. today" [Hawaii war time one hour later]
2/21/42	8:36:00	19	32.0	155	28.0	ml ner	8	8	24	24.5	25.8	s	4.04	no trace	no trace					4.04	nomo		shake, strong enough to dismantle the east-west component of the seismograph at the Volcano House.	[Times are Hawaii war time one hour later]; VL 475, p. 2; HTH, Feb. 22, 1942
2/22/42	14:47:00					ml ner?		8	25.6	25.6	26.8	s	4.06							4.06	nomo		16 mi from HVO	VL 475, p. 2
2/22/42	15:05:00					ml ner?		8	24	24.0	25.3	s	4.02							4.02	nomo		15 mi from HVO	VL 475, p. 2
3/7/42	6:41:00	19	29.4	155	35.0	ml mok		8	36	34.6	35.5	s	4.04							4.04	nomo		n end of Mokuaweoweo	VL 475, p. 2
3/15/42	9:35:00	19	27.2	155	35.8	ml mok		8	34	35.5	36.4	s	4.05							4.05	nomo		s end of Mokuaweoweo	VL 475, p. 2
3/16/42	21:57:00	19	27.2	155	35.8	ml mok		5	34	35.5	35.8	s-felt	4.04							4.04	nomo	felt	do; felt-Kona	VL 475, p. 2
3/19/42	0:17:00					ml mok		5	35	35.0	35.4	s	4.03							4.03	nomo		near Mokuaweoweo; E-W dismantled	VL 475, p. 2
3/20/42	23:05:00					ml swr		5	43	43.0	43.3	m	5.17	>5.67	5.88					5.88	hono	V	SW rift; felt widely; stopped clocks in s Kona; Warshauer notes: deep-seated earthquake felt generally in Hilo; dismantled seismic equipment; no damage	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]
3/21/42	20:14:00					ml swr		5	53	53.0	53.2	f-felt	4.00							4.00	nomo	felt	SW rift; felt-s Kona	VL 475, p. 2
3/28/42	21:55:00					ml ner		5	25	25.0	25.5	s-felt	4.03	no trace	no trace					4.03	nomo	felt	NE rift; felt-hnp, Hilo	VL 475, p. 2
4/26/42	23:41:00					ml ner	5	5	34	34.0	34.4	m	4.73	4.61	4.98					4.79	hono	felt	upper NE rift; felt-hnp, Hilo	VL 476, p. 7
4/27/42	0:01:00					ml ner		5	34	34.0	34.4	s	4.24							4.24	nomo		upper NE rift	VL 476, p. 7
4/27/42	4:21:00					ml ner		5	34	34.0	34.4	s	4.24							4.24	nomo		upper NE rift	VL 476, p. 7

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/27/42	8:49:00					ml ner		5	34	34.0	34.4	s	4.50	4.97	4.61					4.79	hono		upper NE rift	deeper?; VL 476, p. 7
4/27/42	9:52:00					ml mok		5	35	35.0	35.4	s	4.26							4.26	nomo		near Mokuaweoweo	VL 476, p. 7
4/27/42	11:53:00	19	32.5	155	28.0	ml ner		5	25	24.9	25.4	s	4.03							4.03	nomo		NE rift above Puu Ulaula	VL 476, p. 7
4/27/42	14:12:00					ml ner?		5	25	25.0	25.5	s	4.03							4.03	nomo		record confused; no location or distance given	VL 476, p. 7
4/27/42	14:23:00					ml ner?		5	25	25.0	25.5	s	4.03							4.03	nomo		no location or distance given	VL 476, p. 7
4/27/42	16:44:00					ml ner?		5	25	25.0	25.5	s	4.03							4.03	nomo		no location or distance given	VL 476, p. 7
4/27/42	21:43:00					ml ner?		5	25	25.0	25.5	m	4.80	6.09	light trace					6.09	aver	felt	felt strongly-Puu Ulaula; instruments dismantled	strong?; VL 476, p. 7; not found in HTH
4/29/42	11:10:00					ml ner?		5	24	24.0	24.5	s	4.00							4.00	nomo		no location or distance given	VL 476, p. 7
7/9/42	3:00:00					kohala os			115	115.0	115.4	s	5.34	5.92	5.50					5.71	hono	IV	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	moderate?; VL 477, p. 3; HTH, July 9, 1942
10/11/42	11:43:00	19	29.4	155	35.0	ml mok			34	34.6	35.8	s	4.26							4.26	nomo		n end of Mokuaweoweo	VL 478, p. 3; not found in HTH
12/6/42	12:08:00	19	6.0	155	41.3	ml swr			59	58.2	58.9	s-felt	4.39	no trace	no trace					4.39	nomo	felt	SW rift near source of 1868 flow; felt-Hilo to s Kona	closer?; VL 478, p. 4; not found in HTH
12/21/42	23:59:00					kl mer?		2.0	16.0	16.0	16.1	s	3.71							4.15	calc		preferred magnitude calculates as nomogram magnitude multiplied by number of events	3 slight events on December 21 not separately tabulated; VL 478, p. 4
1/9/43	20:04:00					ml swr?			59	59.0	59.7	f-felt	4.07							4.07	nomo	felt	felt-s Kona	VL 479, p. 5
1/17/43	14:08:00					ml ner			24	24.0	25.6	s-felt	4.03							4.03	nomo	felt	NE rift; felt-hnp	VL 479, p. 5
1/19/43	2:48:00					ml ner?			24	24.0	25.6	s-felt	4.03							4.03	nomo	felt	felt-hnp, Hilo	VL 479, p. 5
5/8/43	4:10:00					ml mok			35	35.0	36.1	s-felt	4.27	no trace	no trace					4.27	nomo	felt	[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	VL 480, p. 3, 4; not found in HTH
6/14/43	21:38:00	20	4.0	155	42.0	kohala?				84.5	85.0	s-felt	4.64	no trace	no trace					4.64	nomo	felt	near; felt widely Hawaii island	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
10/16/43	2:36:00					mauna kea			45	45.0	45.9	s-felt	4.44							4.44	nomo	felt	e slope Mauna Kea; felt-hnp, Hakalau	VL 482, p. 2
11/10/43	16:22:00					hilea?			43	43.0	43.9	m	4.90	4.88	4.88					4.88	hono	VI; VI (USE); V (W&K; S&C)	felt widely southern half Hawaii island; stone walls thrown down SW of Pahala; dismantled instruments	VL 482, p. 2; not found in HTH
12/22/43	19:50:00					ml swr?			45	45.0	45.9	s-felt	4.21	no trace	no trace					4.21	nomo	felt	SW slope Mauna Loa; felt-hnp, Hilo	closer? or feeble?; VL 482, p. 2; not found in HTH
1/23/44	14:40:00	19	32.0	155	28.0	ml ner				24.5	26.1	s-felt	4.05							4.05	nomo	felt	NE rift near Puu Ulaula; felt-hnp, Pahala	VL 483, p. 3
7/2/44	20:48:00					kohala?			90	90.0	90.4	f	4.36	4.74	4.92					4.83	hono		NW Hawaii	offshore?; VL 485, p. 3
10/2/44	17:27:00	20	1.0	155	17.0	mauna kea		40		65.2	76.5	s	4.79	<4.50	4.40					4.40	hono		deep focus, near Ookala	shallower?; VL 486, p. 3; not found in HTH
10/17/44	13:54:00					mauna kea			55	55.0	55.7	f-felt	4.03	<4.32	<4.02					4.03	nomo	felt	Mauna Kea; felt-Hilo	VL 486, p. 3
10/29/44	17:17:00					mauna kea			55	55.0	55.7	f-felt	4.03							4.03	nomo	felt	Mauna Kea; felt-hnp, Hilo	VL 486, p. 3
11/12/44	4:56:00	19	24.00	155	17.70	kl cal deep?	14.4	30.0	4.5	5.0	30.4	m	4.65	4.58	4.58					4.58	hono	V (W&K; USE)	SW of Halemaumau; felt widely-s half Hawaii island, dismantled seismographs at Hilo, Kona and HVO	depth increased to match Hon magnitude consistent with felt reports; VL 486, p. 3; not found in HTH
12/27/44	3:42:00	19	29.0	155	35.0	ml mok	24	24		34.5	42.0	st	5.15	light trace	5.78			5.6	GUTE	5.78	hono	VI; VI (USE; S&C)	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	VL 486, p. 3; HTH, Dec. 27, 1944

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
12/27/44	5:46:00	19	29.0	155	35.0	ml mok	24	24		34.5	42.0	s	4.38	no trace	no trace					4.38	nomo	III	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?]	VL 486, p. 3; HTH, Dec. 27, 1944
12/30/44	9:21:00	19	29.0	155	35.0	ml mok	24	24		34.5	42.0	m	5.15	5.36	5.50					5.43	hono	III	do	deeper?; VL 486, p. 3; not found in HTH
12/31/44	11:10:00	19	16.2	155	28.9	hilea	20.8	20.8		29.4	36.0	m	5.04	4.93	5.08					5.00	hono	III	wood valley; do	VL 486, p. 3; not found in HTH
1/9/45	18:57:00					hilea?			35	35.0	36.1	s-felt	4.27							4.27	nomo	felt	felt-Pahala	VL 487, p. 5
1/24/45	10:38:00	19	25.00	155	16.20	kl cal deep	20.0	21.0		1.9	21.1	m	4.39	4.32	4.33					4.32	hono	felt	island	VL 487, p. 5
3/5/45	0:00:00					ml swr			45	45.0	45.9	m	4.93	4.91	5.04					4.97	hono	V	SW rift; felt widely Hawaii island; stopped clocks s Kona	VL 487, p. 6; VL date wrong-Honolulu record shows march 5
3/12/45	19:00:00	19	19.00	155	2.00	kl kuer sf?		10.0	28.0	27.2	28.9	m	4.38	<4.47	<4.32					4.38	nomo	felt	in ocean off Puna-Kau boundary; felt-hnp, dismantled seismograph	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
5/19/45	1:48:00					kaoiki			20	20.0	21.9	m	4.70	5.22	5.37					5.30	hono	V (USE; S&C)	e slope Mauna Loa; felt generally Hawaii island, slightly on Oahu	deeper?; VL 488, p. 3; not found in HTH
5/29/45	18:45:00	19	31.0	155	32.4	kaoiki	20.8	20.8		30.9	37.3	s	4.29	no trace	no trace					4.29	nomo	felt	5 mi SW of Puu Ulaula; felt-hnp, Hilo, s Kona	VL 488, p. 3
6/14/45	19:46:00	19	11.3	155	28.7	hilea				35.4	36.5	s	4.28	<4.45	4.07					4.07	hono	felt	near Pahala; felt-hnp, Pahala	VL 488, p. 3
7/13/45	2:15:00	19	20.00	155		kl mer sf	8.0	8.0		29.6	30.6	m	4.65	4.98	4.60					4.79	hono	IV	coast SW of Kalapana; felt widely-e half Hawaii island; dismantled e-w component; Warshauer notes: Residents in several sections of Hilo felt an earthquake which some describe as "fairly strong" at 3:15 AM [daylight saving time]; duration over 5 minutes	VL 489, p. 4; HTH, 7/13/1945
9/19/45	5:33:00					ml nf			36	36.0	37.1	s	4.29	4.38	3.89					4.14	hono	V (USE)	bet Mauna Loa and Mauna Kea; felt widely Hawaii island	VL 489, p. 4; not found in HTH
12/16/45	20:30:00					kaoiki			20	20.0	21.9	s	4.18	5.41	4.96					5.19	hono	felt	e flank of Mauna Loa; felt-hnp, Pahala, Hilo; e-w component dismantled	deeper?, farther away? or moderate?; Honolulu mag too high for felt report?; VL 490, p. 3
2/6/46	4:45:00	19	8.0	155	28.7	hilea				40.3	41.3	s-felt	4.36	4.76	4.76					4.76	hono	felt	near coast below Pahala; felt-Kau, s Kona	VL 491, p. 5
2/8/46	6:15:00					ml ner			30	30.0	31.3	s-felt	4.17	4.37	4.37					4.37	hono	felt	NE rift; felt-hnp, Pahala, Hilo	VL 491, p. 5
2/14/46	9:03:00					ml swr			48	48.0	48.8	s	4.26	no trace	no trace					4.26	nomo		middle SW rift	VL 491, p. 5
2/23/46	22:44:00					kohala?			60	60.0	60.7	s	4.41	no trace	no trace					4.41	nomo	felt	felt-n Kona, s Kohala	closer? or feeble?; VL 491, p. 5
4/8/46	8:58:00					ml mok deep?		40	35	35.0	53.2	s-felt	4.32	no trace	no trace					4.32	nomo	felt	deep under Mauna Loa in VL; felt widely	VL 492, p. 7
5/19/46	18:36:00					kl ler sf?		10.0		60.0	60.8	s-felt	4.63	4.73	4.72					4.72	hono	felt	felt-hnp, Hilo	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
8/8/46	16:28:00					ml ner?			30	30.0	31.3	s-felt	4.17	no trace	no trace					4.17	nomo	felt	NE slope Mauna Loa; felt-hnp	VL 493, p. 3
9/4/46	13:21:00					ml ner?			30	30.0	31.3	s-felt	4.17	no trace	4.12					4.12	hono	III	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?]	VL 493, p. 3; HTH, Sept. 5; Oct. 6, 1946
10/8/46	23:56:00	19	29.7	155	22.5	kaoiki	16	16		14.0	21.2	s-felt	3.90	no trace	no trace		4.06			4.06	hono	felt	NE slope Mauna Loa 1 mi e of Mauna Loa seismograph; felt-hnp, Hilo	VL 494, p. 7
10/10/46	5:59:00					hualalai deep		40	90	90.0	98.5	vf-felt	4.15	obsc. trace	obsc. trace		4.79			4.47	aver	felt	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	VL 494, p. 7; HTH, Nov. 5, 1946
10/29/46	18:43:00					kaoiki deep		20	20	20.0	28.3	s	4.10	<4.37	<4.27		3.59			4.10	nomo		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.	[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; VL 494, p. 7; HTH, Nov. 5, 1946
11/30/46	1:54:00					kaoiki deep		40	20	20.0	44.7	s	4.42	4.22	no trace					4.22	hono		e slope Mauna Loa	VL VL 494, p. 7

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
12/22/46	7:02:00					hilo	24	24	30	30.0	38.4	f-felt	4.09	<4.32	<4.32		4.32			4.32	hono	felt	felt-e Hawaii island	VL 494, p. 7; Hon film time is 7:04
1/15/47	9:47:00					ml ner			30	30.0	31.3	s	4.17	4.37	<4.27		4.83			4.37	hono		NE rift; M-S magnitude accepted as preferred	N-L high?; VL 495, p. 6; Hon film time is 9:48
2/26/47	18:54:00					ml ner			30	30.0	31.3	f-felt (slight?)	4.17	<4.55	no trace		<4.47			4.17	nomo	felt	NE rift; felt generally-e Hawaii island; mag calculated assuming "slight" fits felt report better	VL 495, p. 6; not found in HTH
3/19/47	23:06:00					ml mok deep	40	40	35	35.0	53.2	m (slight?)	4.80	4.38	4.22		4.42			4.34	hono	V (USE)	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	shallower?, or slight?; VL 495, p. 6; HTH, Mar. 20, 1947
3/21/47	17:37:00	19	44.0	156	3.8	hualalai				91.0	91.5	f	4.37	<4.17	<4.17		4.57			4.37	nomo		Keahole pt	N-L high?; VL 495, p. 6; not found in HTH
4/12/47	1:46:00					kaoiki			20	20.0	21.9	s-felt	4.18	no trace	no trace		no trace			4.18	nomo	felt	felt-Kapapala	VL 496, p. 3
4/12/47	2:29:00					kaoiki			20	20.0	21.9	s-felt	4.18	no trace	no trace		no trace			4.18	nomo	felt	felt-Kapapala	VL 496, p. 3
6/14/47	23:00:00					kl cal 10-20?		15.0	4.0	4.0	15.5	m	4.18	<4.12	<4.2		4.48			4.18	nomo	felt	moderate depth under Kilauea; felt locally and as far as Papaikou; MLO instrument dismantled	N-L high?; VL 496, p. 3
6/19/47	5:24:00					kl cal 10-20?		13.0	4.0	4.0	13.6	m	4.09	4.18	4.02		3.85			4.02	hono	felt	shallow under Kilauea; felt locally; e-w dismantled	VL 496, p. 3
8/18/47	9:52:00					kl cal deep		21.0	5.0	5.0	21.6	m	4.41	4.15	4.39		no record			4.27	hono	felt	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.	VL 497, p. 3; HTH, 8/18; 19/1947
8/19/47	6:44:00					kaoiki?			20	20.0	21.9	s-felt	4.18	no trace	no trace		no record			4.18	nomo	felt	Mauna Loa in VL; felt locally and at Naalehu; Warshauer notes: strong at Naalehu and Kapapala, "much stronger" than the [Kilauea] quake at 9:52 a.m. Aug. 18	VL 497, p. 3; HTH, Aug. 19, 1947
9/21/47	5:50:00	19	42.2	155	28.0	ml nf deep	36	36		37.2	51.8	s-felt	4.52	4.35	<4.50		4.28			4.31	hono	IV	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	Honolulu data average of 2 readings; shallower?; VL 497, p. 3; HTH, Sept. 22, 1947
9/30/47	4:04:00					kl cal deep	11.2	25.0	5.0	5.0	25.5	m	4.52	4.45	4.63		5.15			4.74	hono	V	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	N-L peak trace invisible; VL 497, p. 3; HTH, 9/30/1947
10/17/47	0:27:00	19	16.8	155	27.2	kaoiki			26	26.3	27.8	s-felt	4.09	no trace	no trace		4.11			4.11	hono	felt	near Kapapala; felt generally-e Hawaii island	VL 498, p. 3
10/31/47	2:13:00	19	28.5	155	35.5	ml mok				35.2	36.3	m	4.53	4.43	4.33		4.11			4.29	hono	V	Mokuaweoweo; felt widely-e half Hawaii island; clocks stopped in s Kona	VL 498, p. 3; not found in HTH
12/14/47	10:10:00					kl cal deep	32.0	32.0		5.0	32.4	m	4.69	<4.27	<4.27		4.89			4.69	nomo	IV	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	N-L high, M-S low; VL 498, p. 3; HTH, 12/15/1947
12/20/47	5:18:00	19	28.5	155	35.5	ml mok				35.2	36.3	s-felt	4.28	<4.17	<4.22		4.72			4.42	hono	felt	Mokuaweoweo; felt-e half Hawaii island; Warshauer notes: widely felt	Honolulu data average of 2 readings; N-L mag high; VL 498, p. 3; HTH, Dec. 2VL 4, 1947
12/24/47	6:38:00	19	21.5	155	25.6	kaoiki				19.2	21.2	s-felt	4.16	no trace	no trace		no trace			4.16	nomo	V	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.	VL 498, p. 3; HTH, Dec. 24, 1947
1/8/48	16:15:00					kaoiki			20	20.0	21.9	s-felt	4.18	no trace	no trace		4.12			4.12	hono	felt	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.	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?]
1/15/48	6:16:00					ml ner			30	30.0	31.3	s-felt	4.17	<4.37	no trace		<3.27			4.17	nomo	III	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.	VL 499, p. 3; HTH, Jan. 15, 1948

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
1/26/48	23:02:00					ml ner			30	30.0	31.3	s-felt	4.43	no trace	no trace		4.61			4.61	hono	felt	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	N-L high?; VL 499, p. 3; HTH, Jan. 27, 1948
3/9/48	15:46:00					kohala?			65	65.0	65.6	s-felt	4.46	no trace	no trace		4.43			4.43	hono	felt	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.	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
3/19/48	16:18:00					kl cal deep		25.0		3.0	25.2	m	4.52	4.16	det		4.78			4.35	hono	IV	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	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, 3/20/1948
5/22/48	11:34:00					hualalai deep		20	70	70.0	72.8	s-felt	4.54	4.10	no trace		no record			4.10	hono	felt	originated deep under Hualalai at 11:33 a.m. Saturday. The temblor was felt in the volcano district.	closer to Kilauea? and/or shallower?; VL 500, p. 4; HTH, May 24, 1948
5/24/48	23:16:00					ml ner			30	30.0	31.3	s-felt	4.17	no trace	no trace		no trace			4.17	nomo	felt	NE rift; felt-hnp	VL 500, p. 4
6/28/48	1:42:00	21	12.0	157	54.0	oahu				340.8	340.9	s-felt	5.61	seis dism.	seis dism.		seis dism.	4.8	Cox; (W&K , p. 72)	5.20	aver	VI; VI (Cox; S&C)	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.	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
7/30/48	2:28:00					kl cal 10-20?	9.6	15.0		3.0	15.3	m	4.17	4.25	4.33		3.70			4.10	hono	V	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.	N-L low; VL 501, p. 3; HTH, 7/30/1948; HTH, 8/5/1948
7/30/48	2:31:00					kl cal 10-20?	9.6	15.0		3.0	15.3	m	4.17	4.15	4.25		3.88			4.10	hono	V	do	do
9/13/48	8:20:00					ml nf	36	36	32	32.0	48.2	m	4.97	5.15	5.23		4.88			5.09	hono	IV	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.	VL 501, p. 3; HTH, Sept. 13, 1948
9/15/48	9:45:00	19	28.5	155	35.5	ml mok				35.2	36.3	s	4.05	no trace	no trace		3.22			4.05	nomo		Mokuaweoweo	N-L low?; VL 501, p. 3
1/6/49	15:59:00	19	28.5	155	35.5	ml mok		8		35.2	36.1	m	4.53	no trace	no trace		no trace			4.53	nomo		2 mi NE of Mokuaweoweo; one of the strongest quakes of the series	closer? or slight?; VL 503, p. 7, 8
1/15/49	6:40:00					ml swr deep	36	20	25	25.0	32.0	m	4.45	4.45	no trace		4.07			4.26	hono	IV	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.	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]
1/15/49	11:16:00					kohala os			110	110.0	110.4	s	4.82	4.50	4.08		4.78			4.45	hono		ocean w of Kohala	closer?; VL 503, p. 8
1/20/49	14:27:00	19	55.0	155	46.7	mauna kea deep		40		76.8	86.6	vf-felt	4.06							4.06	nomo	felt	Deep; 10 mi SW of; Warshauer notes: A moderate earthquake at 2:28 p.m. Thursday originated at Kohala or the NW part of Mauna Kea; described as "very distinct" at Honokaa; also felt at Kona and Kohala and very slightly at the volcano.	VL 503, p. 8; HTH, Jan. 21, 1949
1/26/49	13:06:00	19	55.0	155	46.7	mauna kea deep		40		76.8	86.6	f	4.33	no trace	no trace		no trace			4.33	nomo		10 mi SW of Waimea	VL 503, p. 8
1/26/49	23:57:00	19	24.5	155	22.7	kaoiki	8	8		12.6	14.9	m	4.15	4.16	4.18		4.38			4.24	hono	felt	Ohaikea; Warshauer notes: a slight temblor at 11:47 p.m. originated under the east slope of Mauna Loa; plainly felt at Naalehu; [same as the moderate quake in at 11:57?}	Honolulu data average of two readings; VL 503, p. 8; HTH, Jan. 27, 1949
1/28/49	15:50:00					kaoiki	8	8	20	20.0	21.5	m	4.41	<4.02	<4.20		4.28			4.28	hono		e slope Mauna Loa	Honolulu data average of two readings; VL 503, p. 8; HTH, Feb. 26, 1949

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
2/26/49	13:54:00	19	33.2	155	24.2	ml ner				20.3	22.2	st	4.70	4.85	4.71		5.13			4.90	hono	V (USE); IV	NE rift 7000 ft; felt strongly-Hilo to Naalehu; Warshauer notes: the large [quake] at 1:55 emanated from the northeast rift at an altitude of 7,000 feet; dismantled instruments at HVO and Hilo; felt from Naalehu to Hilo, perhaps wider	VL 503, p. 8; HTH, Feb. 28, 1949
4/11/49	18:40:00					kaoiki			20	20.0	21.9	m	4.42	no trace	no trace		4.46			4.46	hono	felt	Kaoiki fault; felt-	closer? or slight?; VL 504, p. 5
5/2/49	5:02:00					kona?			15	15.0	17.5	st	4.54	4.00	det.		4.34			4.17	hono	VI; V (USE; S&C)	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	Honolulu data average of two readings; distance given from crude isoseismal map--assumes strong on Kona seismograph; VL 504, p. 5
5/7/49	23:26:00	19	28.5	155	35.5	ml mok	19.2	19.2		35.2	40.1	st	5.12	no trace	no trace		4.47			4.47	hono	IV (W&K) ; III	both ml seismograph components dismantled; Mokuaweoweo; felt-Holualoa, Kealakekua,	closer? or moderate?; VL 504, p. 5
5/21/49	1:06:00					ml wf			50	50.0	50.8	f-felt	3.96	no trace	no trace		4.14			4.14	hono	felt	w slope Mauna Loa; felt-Holualoa	VL 504, p. 5
5/23/49	10:24:00	19	16.8	155	27.2	kaoiki			26	26.3	27.8	m	4.35	3.97	det.		4.16			4.07	hono	(W&K) ; IV	hnp, Hookena; both comp. ml seismograph dismantled; Warshauer notes: sharp earthquake	Honolulu data average of two readings; VL 504, p. 5; HTH, May 23, 1949
6/8/49	14:12:00					ml ner	5	5	25	25.0	25.5	m	4.29	no trace	no trace		no trace			4.29	nomo	III	NE rift; both components of ml seismograph dismantled	closer? or slight?; VL 504, p. 5
6/25/49	19:27:00	19	15.0	155	36.5	hilea	16	16		41.8	44.7	s	4.20	no trace	no trace		no trace			4.20	nomo		do	VL 504, p. 5
7/5/49	0:44:00	19	30.40	154	51.00	kl ler sf?	19.2	10.0		44.1	45.3	m	4.92	4.74	4.65		4.70			4.70	hono		e rift near Kapoho [Honolulu magnitude suggests either deep rift event or adjacent south flank]	shallow on Honolulu seismogram; VL 505, p. 3
8/30/49	14:27:00	19	9.20	155	8.80	kl kuer sf os deep	36.0	36.0	31.5	33.1	48.9	s-felt	4.48	4.07	<4.17		4.87			4.47	hono	felt	8 mi SSE of Apua pt; felt-volcano	Honolulu amplitude average of two readings; VL 505, p. 4
9/1/49	12:53:00	19	19.7	155	25.7	kaoiki				21.0	22.9	m	4.45	<4.12	<4.12		4.16			4.16	hono	IV; V (W&K)	strongly-Kapapala to, weakly-volcano to Hilo, pahoehoe to Holualoa; Warshauer notes: "strong"	Honolulu data average of two readings; VL 505, p. 4; HTH, Sept. 2, 1949
11/4/49	12:12:00	19	49.5	155	28.5	mauna kea	32	32		49.3	58.8	f-felt	4.06	no trace	no trace		no trace			4.06	nomo	felt	Mauna Kea; Warshauer notes: A rapid fire series of earthquakes in a pattern often indicative of an	VL 506, p. 4; HTH, Nov. 18, 1949
11/4/49	13:02:00	19	49.5	155	28.5	mauna kea	32	32		49.3	58.8	f-felt	4.06	no trace	no trace		no trace			4.06	nomo	felt	Mauna Kea summit; felt-hunters at 10,000 ft on Mauna Kea	VL 506, p. 4
11/25/49	7:58:00	19	28.5	155	33.0	ml mok	32	21.6		30.9	37.7	m	4.56	<4.67	<4.55	bad record	bad record			4.56	nomo	III	Kona to Hilo; Warshauer notes: felt over most of Big island; Finch placed the quake 12-15 mi below	newspaper depth used; shallower?, closer? or slight?; VL 506, p. 4; HTH, Nov. 2VL 5, 1949
3/25/50	5:43:00					kaoiki	28	10	27	27.0	28.8	st	4.89	4.50	4.50	4.36	4.67			4.51	hono	V	island; quake awakened many on Big island; particularly strong at Naalehu, Hilo and hnp;	shallower?, closer? or moderate; VL 507, p. 4; HTH, Mar. 25, 1950
5/29/50	15:17:00	19	30.0	156	0.0	kona?			70	78.3	78.8	st	5.59	no record	no record	no record	no record	6.25; 6.4	PAS; W&K	6.32	w&k	VII; VII (S&C)	dismantled; damage to water tanks, stone walls, in Kona; Warshauer notes: quake rocked Big Island;	location, which we accept]; VL 508, p. 12; additional felt reports in HTH, May 30, 1950
6/2/50	20:54:00					ml swr?		5		30.0	30.4	s?	3.93	<3.97	<3.97	4.00	<3.27			4.00	hono			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
6/4/50	10:13:00					ml swr?		5		30.0	30.4	m?	4.41	no trace	no trace	3.92	3.42			4.04	aver		preferred magnitude calculated as average of Honolulu and nomogram	not separately listed in VL 508
6/4/50	23:59:00					ml swr?		5		30.0	30.4	s	4.15							4.43	calc		preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; 2 events (s), not separately listed in VL 508, p. 12
6/4/50	23:59:00					ml swr?		5		30.0	30.4	f	3.61							4.15	calc		preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; VL 4 events (f), not separately listed in VL 508, p. 12
6/5/50	3:08:21					ml swr?		5		30.0	30.4	m?	4.65	4.80	5.03	4.83	4.82			4.87	hono	felt	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	not separately listed in VL 508; HTH, June 6, 1950

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
6/5/50	23:59:00					ml swr?		5		30.0	30.4	f	3.61							4.04	calc		preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; 3 events (f), not separately listed in VL 508, p. 12
6/6/50	15:27:00					ml swr?		5		30.0	30.4	m?	4.41	4.20	4.20	4.32	4.35			4.27	hono			do
6/6/50	16:08:00					ml swr?		5		30.0	30.4	m?	4.41	4.19	4.07	<3.92	3.87			4.04	hono			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?
6/6/50	23:59:00					ml swr?		5		30.0	30.4	s	4.15							4.43	calc		preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; 2 events (s), not separately listed in VL 508, p. 12
6/7/50	23:59:00					ml swr?		5		30.0	30.4	s	4.15							4.15	calc		preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; 1 events (s), not separately listed in VL 508, p. 12
6/8/50	6:25:00					ml swr?		5		30.0	30.4	m?	4.41	4.22	no trace	no trace	no trace			4.22	hono			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	6:37:00					ml swr?		5		30.0	30.4	m?	4.41	4.07	no trace	no trace	no trace			4.07	hono			do
6/9/50	22:49:00					ml swr?		5		30.0	30.4	m?	4.41	3.97	4.20	4.32	3.87			4.09	hono			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?
6/11/50	15:43:00					ml swr?		5		30.0	30.4	m?	4.41	4.40	4.40	4.40	4.27			4.37	hono		Warshauer notes: Two rather strong earthquakes were registered at the Hawaiian volcano observatory Sunday [June 11]	not in VL 508; HTH, June 13, 1950
6/11/50	23:59:00					ml swr?		5		30.0	30.4	s	4.15							4.15	calc		preferred magnitude calculated as nomogram magnitude multiplied by number of events	earthquake swarm; 1 events (s), not separately listed in VL 508, p. 12
6/13/50	3:01:00					ml swr?		5		30.0	30.4	m?	4.41	4.28	4.40	4.32	4.05			4.26	hono			not in VL 508
6/13/50	14:04:00					ml swr?		5	37	37.0	37.3	m?	4.55	4.58	4.50	4.52	4.47			4.52	hono		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	not in VL 508; HTH, June 1VL 4, 1950
6/13/50	19:47:47					ml swr?		5	37	37.0	37.3	st?	5.07	5.12	5.21	disturb ed	5.03			5.12	hono		do	Longitude 155. 5° W; wrong?; not in VL 508; HTH, June 14, 1950
10/11/50	20:06:00					kaoiki deep		40	20	20.0	44.7	s-felt	4.20	no trace	no trace	no trace	3.88			4.04	aver	felt	e slope Mauna Loa; felt widely-most of Hawaii island; preferred magnitude calculated as average of Honolulu and nomogram	VL 510, p. 4
12/9/50	5:43:00					kl koae	7.2	7.2	12.0	12.0	14.0	m	4.11	<4.47	<4.47	no trace	4.40			4.40	hono	felt	e of Mauna Iki; felt widely; Warshauer notes: see above	calculated mag low; strong signal lost in swarm?, or deeper?; Honolulu amplitude average of two readings; VL 510, p. 4; HTH, 12/9/1950
12/9/50	20:45:00	19	19.00	155	22.00	kl koae?	7.2	7.2	15.5	16.9	34.4	m	5.01	5.09	5.28	5.05	5.06			5.12	hono	felt	near Kamakaia hills; felt widely; Warshauer notes: dismantled seismographs at HVO, ml and Hilo; felt in Hilo and Kau	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, 12/11/1950
12/9/50	23:59:00					kl koae		4.0		6.7	7.8	s	3.21							4.12	calc		do; preferred magnitude calculated from nomogram magnitude multiplied by number of events	Kilauea caldera-Koae earthquake swarm VL 510, p. 4, col. 1; 10 slight events
12/10/50	0:42:00					kl koae?		7.2	16.0	16.0	17.5	s?-felt	4.03	4.64	4.68	4.79	4.68			4.70	hono	IV?	if slight, must be kcaldeep; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo	not in VL 510; HTH, 12/11/1950
12/10/50	5:57:00	19	19.00	155	22.00	kl koae?	7.2	7.2	15.5	16.9	18.4	m	4.30	4.44	4.74	4.85	4.78			4.70	hono	IV?	near Kamakaia hills; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, 12/11/1950

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
12/10/50	8:23:00	19	18.00	155	22.00	kl koae?	7.2	7.2	17.0	18.3	19.7	m	4.35	5.02	5.13	4.79	4.96			4.98	hono	IV?	below Kamakaia hills; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, 12/11/1950
12/10/50	17:29:00	19	19.00	155	22.00	kl koae?	7.2	7.2	17.0	16.9	18.4	m	4.57	4.60	4.71	4.79	4.68			4.70	hono	IV?	Kamakaia hills; Warshauer notes: dismantled HVO and ml seismographs; felt in Kau, most strongly at Kapapala, and probably in Hilo	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, 12/11/1950
12/10/50	21:25:00	19	19.00	155	22.00	kl koae?	7.2	7.2	17.0	16.9	18.4	st	4.57	5.21	5.37	5.31	5.15			5.26	hono	V?	Kamakaia hills; felt widely; Warshauer notes: strongest of series; dismantled HVO, ml and Hilo seismographs; felt in Kau and Hilo	calculated mag low; strong signal lost in swarm?, or deeper?; VL 510, p. 4; HTH, 12/11/1950
12/10/50	23:59:00					kl koae		4.0		6.7	7.8	s	3.21							4.22	calc		do; preferred magnitude calculated from nomogram magnitude multiplied by number of events	Kilauea caldera-Koae earthquake swarm VL 510, p. 4, col. 1; 13 slight events
12/11/50	12:53:00	19	15.50	155	25.30	kl swr sf?	7.2	7.2		25.6	26.6	m	4.55	3.95	3.95	4.41	4.34			4.16	hono		SW rift below upper end of 1823 flow	Honolulu amplitude average of two readings; VL 510, p. 4
12/26/50	2:55:00	19	24.50	155	15.00	kl cal 10-20?	12.8	15.0	3.0	2.8	15.3	m	4.17	4.12	<4.32	4.20	4.85			4.16	hono	V	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	N-L high; VL 510, p. 4; HTH, 12/26/1950
1/6/51	4:58:00	19	17.0	155	43.0	ml swr			51	50.8	51.6	s	4.30	no trace	no trace	no trace	4.05			4.05	hono		SW rift 8000 ft; Warshauer notes; felt in Hilo and, no report from Volcano, probably deep	VL 511, p. 4; HTH, 1/6/51
2/16/51	7:26:00	19	32.0	155	28.0	ml ner deep	24	24	24.5	24.5	34.3	s-felt; m (ml)	4.01	<4.07	<4.07		<3.27			4.01	nomo	felt	NE rift near Puu Ulaula; felt-Hilo to	ml mag VL 4.0-4. 5; VL 511, p. 4
4/22/51	4:53:53	19	24.50	155	6.80	kl cal deep	33.6	33.6	9.0	15.8	37.1	m	4.55	<4.20	<4.27	no trace	4.21			4.21	hono	III	e rift 7 mi S15E from Glenwood; felt-Kapapala, volcano to Hilo; Warshauer notes: a moderate earthquake which originated on the east rift of Kilauea about five miles south of Glenwood and at a depth of 31 miles; Hilo-3	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; HSB, 4/24/1951; HVO unpub
4/22/51	14:52:00	19	24.50	155	13.30	kl cal deep	44.0	35.0	4.0	4.9	35.3	vst	6.27	6.31	5.95	5.72	5.79	6.5; 6.0; 6.3	Pasadena; Berkeley; W&K	6.23	aver	VII; VII (USE; S&C)	felt-entire island, Maui, Oahu; Hilo-5, 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	isoseismal map in W&K; e rift near Kilauea crater; VL 512, p. 4; damage report on p. 1-3; HVO unpub; HTH, 4/23/1951; HA, 4/23/1951; HSB, 4/24/1951; preferred magnitude calculated as weighted average of Milne-Shaw av (1), Berkeley, Pasadena and W&K (all 1)
4/26/51	3:58:00	19	23.40	155	8.30	kl mer	19.2	10.0	11.5	13.7	17.0	st (moderate?) ; s (hilo)	4.00	<4.47	<4.47	<3.90	<3.85			4.00	nomo	felt	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.	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, 4/26/1951
6/11/51	8:33:00	19	29.80	155	2.10	kl gln	11.2	10.0		24.9	26.9	s-felt	4.07	no trace	no trace	no trace	no trace			4.07	nomo	III	6 mi w of Pahoa; felt-Hilo to volcano; Hilo-2, typical local quake, one short quick jerk	VL 512, p. 5; HVO unpub
8/21/51	0:57:00	19	30.0	155	57.0	kona			72	73.0	73.6	st	5.54	5.87	5.90	6.35	5.68	;; 7.0; 6.9	PAS; BERK; GUTE	6.90	gute	VIII; VIII (W&K; S&C)	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 bib; Kapapala-severe quake followed by smaller shocks, last at 6:16 am, phone service disrupted, no major damage	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
8/21/51	8:03:00					kona			10	10.0	13.5	m (kona)	4.08	4.40	4.48	4.24	3.84			4.24	hono			closer? or moderate at Kona; VL 513, p. 6
8/21/51	9:57:00					kona			10	10.0	13.5	st (kona)	4.36	4.24	4.10	3.97	3.92			4.06	hono	felt	felt-Kona to volcano; Kapapala ranch (10:00 am)-slight earthquake	numerals-in remarks column refer to HVO postcards]
8/21/51	10:12:00					kona			10	10.0	13.5	st (kona)	4.36	4.18	4.24	4.27	4.44			4.28	hono	felt	felt?; Kapapala ranch (11:15 am-time off by one hour?)-slight earthquake	numerals-in remarks column refer to HVO postcards]
8/21/51	18:32:00					kona			10	10.0	13.5	st (kona)	4.36	4.30	4.30	4.39	4.44			4.36	hono			VL 513, p. 6
8/21/51	22:48:00					kona			10	10.0	13.5	st (kona)	4.36	4.78	4.70	4.87	5.01			4.84	hono	V?	felt-Kona to volcano; Capt. Cook (Greenwell diary) big shaker	numerals-in remarks column refer to HVO postcards]
8/22/51	6:38:00					kona			10	10.0	13.5	m (kona)	4.08	4.40	4.24	4.09	4.22			4.24	hono	III	felt-Kona to Kapapala; Kapapala ranch (6:20 am)-slight earthquake; Capt. Cook (Greenwell diary)-0630, good one	closer? or moderate at Kona; VL 513, p. 6; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
8/22/51	17:15:00					kona			10	10.0	13.5	st (kona)	4.36	4.74	4.70	4.49	4.76			4.67	hono	IV	felt-Kona to volcano; Kapapala ranch (5:18 PM)-medium earthquake	numerals-in remarks column refer to HVO postcards]
9/1/51	12:29:00					kona			60	60.0	60.7	f; s (kona)	4.09							4.09	nomo	III	Kealakekua fault; Capt. Cook (Greenwell diary)-PM, fair one	Kona mag 3.8-4.3 if s part of fault; VL 513, p. 6; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
9/16/51	1:43:00	19	19.0	155	25.9	kaoiki			21.5	22.0	23.8	st	4.75	4.87	5.22	4.94	4.93	5.0		4.99	hono	V (VL; S&C)	Kaoiki fault 3 mi NE of Kapapala; felt-Kona to Hilo; felt-Hilo-3 to IV; Hilo-3 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	VL 513, p. 6; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]; HTH, Sept. 17, 1951
9/25/51	1:23:00	19	43.6	155	55.8	hualalai			77	77.8	78.3	s-felt; m (kona)	4.59	no trace	no trace	3.58	4.07			4.17	aver	felt	do; felt generally-n Kona; Warshauer notes: see above; preferred magnitude calculated as average of Honolulu and nomogram	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
10/9/51	4:45:00					kona			60	60.0	60.7	s	4.63	no trace	no trace	no trace	3.62			4.12	aver	IV	central Kona; assume 10 km from Kona; felt-Kona to Hilo; Kealakekua-strong and short; Hilo-2, very light; preferred magnitude calculated as average of Honolulu and nomogram	VL 514, p. 4; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/17/51	21:12:00	19	33.6	155	12.1	hilo			17	15.6	18.1	s-felt; m-ml	4.05	no trace	no trace	no trace	no trace			4.05	nomo	felt	3000 ft NE rift; felt-volcano, Hilo	ml mag 3.9-4. 4; VL 514, p. 4
11/8/51	9:34:00	19	9.0	155	44.0	ml swr			60	58.8	59.5	st	5.39	5.62	5.63	5.66	5.61			5.63	hono	VI; VI [USE; S&C]	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	VL 514, p. 5; HTH, Nov. 8; 9, 1951; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
11/23/51	8:22:00	19	28.5	155	59.8	kona			75	77.7	78.2	s-felt; m (kona)	4.59	no trace	no trace	no trace	no trace			4.00	nomo	felt	Kealakekua fault 5 mi w of Napoopoo; felt-central Kona to Kahuku	Kona mag 3.8-4.3; location wrong-se of Napoopoo?; or feeble at Whitney?; Kona magnitude preferred; VL 514, p. 5
12/6/51	20:19:00	19	25.00	155	1.00	kl mer sf?		5.0		25.8	26.3	st (m?)	4.55	<4.52	<4.52	<4.0	4.53			4.53	hono	IV	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	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, 12/7/1951
2/2/52	1:16:00					hilo deep	48	48	31	31.0	57.1	m	4.85	4.90	4.45	4.56	4.76			4.67	hono	V	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-4; Hilo-2 to III, rattled windows; Kukuihaele-5	location reasonable?; VL 515, p. 6; HTH, Feb. 2, 1952; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
3/13/52	11:38:00	19	2.40	155	6.20	kl mer sf os		10.0		46.5	47.6	st	5.23	5.37	5.35	5.21	5.23			5.29	hono	felt	off south shore; felt-volcano to Naalehu	VL 515, p. 6
3/14/52	18:21:00	19	2.80	155	4.80	kl mer sf os		10.0		46.8	47.9	st	5.24	5.25	5.07	5.21	5.23			5.19	hono	felt	off south shore; felt-Hilo to Kapapala	VL 515, p. 6
3/17/52	17:58:00	19	7.50	155	2.00	kl mer sf os?		10.0		41.6	42.8	st	5.16	5.88	no record	5.50	5.63	5.00	USE?	5.67	hono	(USE; S&C)	Warshauer notes: tsunami at Kalapana; earthquake not felt there.	coverage of the earthquake swarm continues daily through 3/28
3/18/52	9:02:00					kl kuer sf os								<4.27	<4.27	<4.05	4.28			4.28	hono		off south shore	not in VL 515
3/18/52	10:53:00	19	0.10	155	19.80	kl kuer sf os		10.0		48.3	49.3	m	4.75	4.78	4.65	4.75	4.65			4.71	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/18/52	13:01:00	19	6.10	155	20.50	kl kuer sf os		10.0		37.6	38.9	m	4.58	<4.27	<4.27	<4.05	4.30			4.30	hono		off south shore	Honolulu amplitude average of two readings; VL 515, p. 7
3/18/52	14:18:00	19	4.60	155	24.70	kl swr sf os		10.0		42.5	43.6	st	5.17	5.57	5.73	5.43	5.51			5.56	hono		off south shore	VL 515, p. 7
3/19/52	2:55:00	19	6.50	155	1.80	kl mer sf os?		10.0		43.4	44.5	st	5.19	5.48	5.68	5.40	5.43			5.50	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/19/52	14:15:00					kl kuer sf os		10.0	47.0	47.0	48.1	s?	4.73	4.60	no record	4.65	4.48			4.58	hono		off south shore	not in VL 515
3/19/52	15:51:00	19	2.00	155	20.10	kl swr sf os		10.0		44.9	46.0	st	5.21	5.52	no record	5.36	5.29			5.39	hono		off south shore	VL 515, p. 7
3/20/52	1:22:00	19	2.30	155	18.50	kl kuer sf os		10.0		43.9	45.1	st	5.20	5.52	no record	5.25	5.30			5.36	hono		off south shore	VL 515, p. 7
3/20/52	9:51:00	19	3.20	155	14.70	kl kuer sf os		10.0		42.0	43.2	st	5.17	5.50	5.45	5.25	5.28			5.37	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/20/52	20:16:00	19	3.50	155	23.70	kl swr sf os		10.0		43.8	44.9	m	4.68	4.49	4.49	4.60	4.49			4.52	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/20/52	23:48:00	19	2.20	155	23.60	kl swr sf os		10.0		46.0	47.1	m	4.71	4.49	4.43	4.70	4.43			4.51	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/21/52	4:35:00	19	2.70	155	13.90	kl kuer sf os		10.0		43.0	44.2	st	5.18	4.78	4.78	4.83	4.78			4.79	hono	felt	off south shore; felt-Naalehu	mag agreement improved if moderate rather than strong; VL 515, p. 7
3/21/52	10:55:00					kl kuer sf os		10.0	40.0	40.0	41.2	s?	4.62	4.56	4.54	4.70	4.40			4.55	hono		off south shore	Honolulu amplitude average of two readings; not in VL 515
3/21/52	14:25:00	19	4.30	155	14.30	kl kuer sf os		10.0		40.0	41.3	m	4.62	4.40	4.40	4.35	4.30			4.36	hono		off south shore	mag agreement improved if closer to shore; VL 515, p. 7
3/22/52	2:02:00	19	2.50	155	12.10	kl kuer sf os		10.0		43.7	44.9	st	5.19	5.04	5.22	5.09	4.90			5.06	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/22/52	6:19:00	19	7.80	155	0.40	kl mer sf os?		10.0		42.9	44.0	m	4.67	4.35	4.35	4.70	4.53			4.48	hono		off south shore	VL 515, p. 7
3/22/52	19:20:00	19	6.40	155	3.90	kl mer sf os?		10.0		41.6	42.8	m	4.65	4.70	4.75	4.70	4.70			4.71	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
3/22/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	s	4.40							6.12	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 79 (s) unaccounted for between 3/16 and 22/1952, assuming all belong to the swarm
3/22/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	f	3.85							5.71	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 111 (f) unaccounted for between 3/16 and 22/1952, assuming all belong to the swarm
3/22/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	vf	2.83							5.27	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 483 (vf) unaccounted for between 3/16 and 22/1952, assuming all belong to the swarm
3/23/52	6:52:00	19	11.70	154	55.00	kl mer sf os?		10.0		44.8	45.9	m	4.70	4.70	4.70	4.80	4.70			4.73	hono	V	off south shore, felt at Naalehu and Pahala; Pahala-3 to V, shook house, rattled windows, house and bed moved	VL 515, p. 7; HVO unpub
3/23/52	15:05:00	19	2.80	155	14.40	kl kuer sf os		10.0		42.8	43.9	m	4.67	4.48	4.65	4.65	4.60			4.60	hono	felt	off south shore, felt at Naalehu and Pahala	VL 515, p. 7
3/24/52	2:02:00	19	8.00	155	1.70	kl mer sf os?		10.0		41.2	42.4	m	4.64	4.53	4.53	4.80	4.70			4.64	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/24/52	13:29:00	19	6.30	155	2.40	kl mer sf os?		10.0		43.1	44.2	st	5.18	4.83	4.92	4.88	no record			4.88	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/25/52	0:30:00	19	1.30	155	17.00	kl kuer sf os		10.0		45.6	46.7	m	4.71	<4.27	3.70	4.59	no record			4.25	hono		off south shore	Honolulu amplitude average of two readings; VL 515, p. 7
3/25/52	7:04:00	19	4.30	155	5.80	kl kuer sf os		10.0		43.6	44.7	st	5.19	4.70	4.78	4.68	no record			4.72	hono	felt	off south shore; felt-Naalehu	Honolulu amplitude average of two readings; VL 515, p. 7
3/25/52	9:17:00	19	5.20	155	5.10	kl kuer sf os		10.0		42.5	43.7	st	5.18	5.19	5.20	5.20	5.18			5.19	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/26/52	4:40:00	19	3.30	155	13.80	kl kuer sf os		10.0		41.9	43.1	m	4.65	<4.47	<4.47	<3.95	4.10			4.10	hono	felt	off south shore; felt-Naalehu	Honolulu amplitude average of two readings; VL 515, p. 7
3/27/52	4:31:00	19	3.10	155	12.60	kl kuer sf os		10.0		42.5	43.7	m	4.66	4.70	4.60	4.75	4.60			4.66	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/27/52	22:44:00	19	2.20	155	13.90	kl kuer sf os		10.0		44.0	45.1	m	4.68	4.78	4.60	no trace	4.48			4.68	hono	IV	off south shore; felt-Naalehu, Pahala; Pahala-shook house, rattled windows; 4, 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.	VL 515, p. 7; HVO unpub; HTH, 3/28/1952
3/28/52	11:57:00	19	3.30	155	11.50	kl kuer sf os		10.0		42.4	43.6	m	4.66	<4.47	<4.42	4.48	4.28			4.38	hono	felt	off south shore; felt-Naalehu	Honolulu amplitude average of two readings; VL 515, p. 7
3/29/52	2:42:00					kl kuer sf os?		10.0	42.0	42.0	43.2	m	4.65	4.65	4.74	det	4.78			4.72	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
3/29/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	s	4.40							6.17	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 90 (s) unaccounted for between 3/23 and 29/1952, assuming all belong to the swarm
3/29/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	f	3.85							5.50	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 66 (f) unaccounted for between 3/23 and 29/1952, assuming all belong to the swarm
3/29/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	vf	2.83							5.10	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 313 (vf) unaccounted for between 3/23 and 29/1952, assuming all belong to the swarm
3/30/52	13:53:00					kl kuer sf os?		10.0	42.0	42.0	43.2	st	5.17	4.84	4.87	4.75	4.78			4.81	hono	IV	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.	VL 515, p. 7; HTH, 3/31/1952
3/30/52	16:03:00					kl sf os		10.0	42.0	42.0	43.2	m?	4.65	4.40	4.30	no trace	4.30			4.33	hono		off south shore	not in VL 515
3/31/52	22:00:00	19	2.20	155	13.40	kl kuer sf os		10.0		44.0	45.2	st	5.20	4.78	4.78	4.75	4.81			4.78	hono	felt	off south shore; felt-Naalehu	VL 515, p. 7
4/5/52	11:23:00	19	22.00	155	10.50	kl mer	20.8		11.5	11.5	14.6	m	4.14	no trace	no trace	no trace	no trace			4.14	nomo		e rift near Makaopuhi crater	could be shallow; VL 516, p. 7
4/5/52	14:16:00					kl kuer sf os		10.0	42.0	42.0	43.2	m	4.65	4.40	4.40	no trace	4.40			4.40	hono		off south shore	closer to shore?; VL 516, p. 7
4/5/52	21:04:00	19	22.60	155	8.80	kl mer		5.0	13.5	13.5	14.4	m	4.40	4.60	4.60	4.60	4.43			4.56	hono		e rift near Napau crater	could be deeper; VL 516, p. 7

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/5/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	s	4.40							5.82	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 37 (s) unaccounted for between 3/30 and 4/5/1952, assuming all belong to the swarm
4/5/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	f	3.85							5.25	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 55 (f) unaccounted for between 3/30 and 4/5/1952, assuming all belong to the swarm
4/5/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	vf	2.83							5.00	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 515, p. 5) with the earthquake list on p. 7 (including those identified at Honolulu) shows 242 (vf) unaccounted for between 3/30 and 4/5/1952, assuming all belong to the swarm
4/6/52	14:57:00					kl kuer sf os		10.0	42.0	42.0	43.2	s?	4.40	4.44	<4.57	<4.05	4.20			4.32	hono		off south shore	Honolulu amplitude average of two readings; not in VL 516
4/6/52	15:10:00					kl kuer sf os		10.0	42.0	42.0	43.2	m	4.65	4.40	4.48	4.65	4.40			4.48	hono		off south shore	VL 516, p. 7
4/6/52	15:36:00					kl kuer sf os?		10.0	42.0	42.0	43.2	s?	4.40	4.40	4.40	det	4.30			4.37	hono	III	off south shore; Kealakekua (Greenwell diary-3:30 PM)-4, very good shake	not in VL 516; HVO unpub
4/6/52	21:20:00					oahu?								4.33	4.56	off scale	off scale			4.45	hono	IV (Cox; S&C); V (USE)	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.	Cox, 1986; not recorded at Whitney vault; VL 516, p. 7; HTH, Apr. 7, 1952
4/7/52	12:53:00	19	22.00	155	10.50	kl mer sf?	19.2	10.0	11.5	11.5	15.3	st	4.44	4.69	4.65	4.63	4.90			4.72	hono	III	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.	VL 516, p. 7; HTH, 4/8/1952
4/7/52	13:00:00					kl kuer sf os		10.0	42.0	42.0	43.2	m	4.65	4.30	4.48	<4.20	4.40			4.39	hono		off south shore	Honolulu amplitude average of two readings; VL 516, p. 7
4/7/52	23:55:00	19	22.10	155	12.00	kl uer	11.2	11.2	9.0	9.5	14.7	m	4.14	no trace	no trace	no trace	no trace			4.14	nomo		e rift near Alae crater	VL 516, p. 7
4/10/52	16:56:00	19	18.80	155	10.10	kl kuer sf		10.0	15.5	16.3	19.1	m	4.33	4.20	4.20	no trace	4.20			4.20	hono	felt	Hilina fault at Poliokeawe pali 3.5 mi N45W of Kaena pt; felt-Naalehu	VL 516, p. 7
4/12/52	5:53:00	19	23.30	155	14.60	kl cal 10-20	20.8	15.0	5.0	5.1	15.8	st	4.47	4.59	4.55	4.53	4.40			4.52	hono	felt	e rift 1 mi NW of Heake; felt-Naalehu, Kapapala	moderate? or shallower?; VL 516, p. 7
4/12/52	6:22:00					kl kuer sf os		10.0	44.7	44.7	45.8	m	4.69	4.40	4.40	det	4.40			4.40	hono		off south shore	VL 516, p. 7
4/12/52	19:40:00	19	22.50	155	12.50	kl cal deep?		30.0	8.5	8.3	31.1	s-felt	4.17							4.17	nomo	III	(Greenwell diary-7:45 PM)-slight, long jiggle; Honokaa-5; Warshauer notes: A quake at 7:50 p.m.	depth assumed consistent with felt reports; VL 516, p. 7; HVO unpub; HTH, 4/14/1952
4/12/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	s	4.40							5.30	calc		nomogram magnitude multiplied by number of events	7) with the earthquake list on p. 7 (including those identified at Honolulu) shows 10 (s) unaccounted for
4/12/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	f	3.85							4.80	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 516, p. 7) with the earthquake list on p. 7 (including those identified at Honolulu) shows 11 (f) unaccounted for between 4/6 and 12/1952, assuming all belong to the swarm
4/12/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	vf	2.83							4.61	calc		nomogram magnitude multiplied by number of events	7) with the earthquake list on p. 7 (including those identified at Honolulu) shows 90 (vf) unaccounted
4/16/52	7:08:00					kl kuer sf os		10.0	42.0	42.0	43.2	m	4.65	4.40	4.48	4.53	4.40			4.45	hono		off south shore	VL 516, p. 7

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/19/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	s	4.40							4.94	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 516, p. 7) with the earthquake list on p. 7 (including those identified at Honolulu) shows 4 (s) unaccounted for between 4/13 and 19/1952, assuming all belong to the swarm
4/19/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	vf	2.83							4.24	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 516, p. 7) with the earthquake list on p. 7 (including those identified at Honolulu) shows 35 (vf) unaccounted for between 4/13 and 19/1952, assuming all belong to the swarm
4/19/52	23:59:00					kl kuer sf os?		10.0	42.0	42.0	43.2	f	3.85							4.12	calc		sf offshore; preferred magnitude calculated as nomogram magnitude multiplied by number of events	Reconciliation of the weekly tabulation (VL 516, p. 7) with the earthquake list on p. 7 (including those identified at Honolulu) shows 2 (f) unaccounted for between 4/13 and 19/1952, assuming all belong to the swarm
4/21/52	17:45:00	19	1.90	155	13.70	kl kuer sf os		10.0		44.5	45.6	m	4.69	4.54	4.65	det	4.54			4.58	hono		off south shore 16 mi S10W of Apua pt	VL 516, p. 7
5/3/52	18:16:00	19	12.50	155	20.80	kl swr sf os		10.0		26.4	28.2	m	4.59	4.43	4.43	no trace	4.55			4.47	hono		off south shore	VL 516, p. 7
5/10/52	19:14:00					kl cal 05-10	11.2	8.0	3.0	3.0	8.5	st	4.04	<4.12	<4.20	<3.98	<3.70			4.04	nomo	felt	Kilauea crater; felt?	VL 516, p. 7
5/19/52	1:16:00	19	2.70	155	7.20	kl kuer sf os		10.0		45.4	46.5	s	4.22	<4.17	<4.27	<4.30	<3.78			4.22	nomo		off south shore	VL 516, p. 7
5/19/52	4:08:00	19	20.2	155	28.9	kaoiki			20	25.5	27.1	s	4.07	4.32	4.19	<3.71	<3.24			4.19	hono		se slope Mauna Loa	VL 516, p. 7
5/21/52	17:13:00	19	18.1	155	28.3	kaoiki			20	26.5	27.9	m	4.35	4.33	4.25	4.11	3.94			4.16	hono	II	se slope Mauna Loa; Kapapala ranch-2	numerals-in remarks column refer to HVO postcards]
5/23/52	12:13:00	19	29.0	155	59.0	kona	9.6	9.6		76.4	77.0	st	5.57	5.61	5.45	5.49	5.23	6.0	S&C (Pas)	5.69	aver	VI; VI (S&C)	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)	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 [intensities-arabic numerals-in remarks column refer to HVO postcards]
6/11/52	8:01:00	19	0.70	155	16.30	kl kuer sf os	10.0	5.0		46.6	46.9	s	4.23	<4.17	<4.27	<4.05	<3.70			4.23	nomo		off south shore	VL 516, p. 8
6/18/52	5:17:00	19	2.10	155	19.80	kl kuer sf os		10.0		44.6	45.7	s	4.44	4.37	4.40	4.35	4.20			4.33	hono		off south shore	VL 516, p. 8
6/19/52	16:03:00	19	21.30	155	21.20	kl cal deep?	2.0	25.0	12.5	12.9	28.1	st	4.87	4.83	4.96	4.86	4.79			4.86	hono		SW rift 0.5 mi NE of Mauna Iki, shallow	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
6/19/52	16:27:00	19	19.00	155	22.00	kl swr		5.0	17.0	16.9	17.6	m	4.03	<4.12	<4.12	<4.10	<3.75			4.03	nomo		SW rift near Kamakaia hills	VL 516, p. 8
7/6/52	22:56:00					mauna kea?			67	67.0	67.6	f-felt	4.16	4.17	4.17	3.87	4.00			4.05	hono	IV	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-5, rumbling noise followed by quake, buildings shook, objects rattled	VL 517, p. 6; HTH, Jul. 7, 1952; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
7/7/52	4:43:00					mauna kea?			67	67.0	67.6	s-felt	4.48	4.45	4.25	4.57	4.62			4.47	hono	V	felt-Kukuihaele, Hilo; assume epicenter bet Kukuihaele and Hilo; Warshauer notes: see above; Kukuihaele-5, buildings shook, awakened persons	VL 517, p. 6; HTH, Jul. 7, 1952; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
7/12/52	13:38:00					kona			60	60.0	60.7	m; st (kona)	4.89	3.97	4.05	3.87	4.36			4.38	aver	V	central Kona; assume 15 km from Kona; felt-Kona to Hilo; preferred magnitude calculated as average of Honolulu and nomogram; Kealakekua-5, strong all over Kona, strong and hard, not long, came from south, sounded like a blast	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 [intensities-arabic numerals-in remarks column refer to HVO postcards]
8/9/52	10:31:00					mauna kea?			48	48.0	48.8	f; s (ml; hilo)	4.07							4.07	nomo		assume mk summit; 37 km from ml, 43 km from Hilo, 48 km from Whitney	hilo mag 3.9-4. 4; ml mag 3.8-4.2; VL 517, p. 6
8/14/52	14:08:00					kl kuer sf os		10.0	44.7	44.7	45.8	s-felt	4.44	<4.17	<4.17	<4.25	4.88			4.44	nomo	felt	off south shore; felt-volcano, Kapapala, Naalehu	Honolulu amplitude average of two readings; N-L high; VL 517, p. 6
8/16/52	21:07:00					kl kuer sf os	10.0	10.0	44.7	44.7	45.8	m	4.69	4.30	4.30	4.35	4.40			4.34	hono		off south shore	VL 517, p. 6
9/2/52	4:45:00					kl cal deep?		30.0	4.0	4.0	30.3	f-felt	3.60	<4.20	<4.02	<3.8	4.63			4.10	aver	IV	Kilauea crater; felt-Glenwood, volcano, Naalehu, Hilo; Capt. Cook-3, slight rattle of windows; preferred magnitude calculated as average of Honolulu and nomogram	N-L high; VL 517, p. 7; HVO unpub
11/16/52	2:41:00					kl kuer sf os		10.0		44.7	45.8	s	4.21	4.27	<4.17	<4.25	<3.85			4.27	hono		off south coast	VL 518, p. 12
11/27/52	22:14:00	19	29.0	155	38.0	ml mok				39.7	40.7	s-felt	4.13	no trace	no trace	no trace	no trace			4.13	nomo	III	felt-Kona; Capt. Cook-2, 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	VL 518, p. 12; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
1/9/53	21:10:00	19	24.0	155	33.0	kaoiki	22.4	22.4		30.7	38.0	st (m?)	4.56	<4.37	<4.37	4.01	3.81			4.24	aver	V (USE); IV	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	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 [intensities-arabic numerals-in remarks column refer to HVO postcards]
1/12/53	4:13:00	19	1.2	155	32.7	hilea os			54.5	54.6	55.4	s	4.35	no trace	no trace	no trace	no trace			4.35	nomo	felt	4 mi S45E from Naalehu; Capt. Cook-felt by those awake, small shake acc by roaring	date from felt report (1/13 in VL); closer?; VL 519, p. 6; HVO, unpub
1/15/53	2:05:00	19	19.0	155	26.0	kaoiki deep	24	24		22.2	32.7	st	4.97	5.62	5.52	faint trace	faint trace	5.2	S&C (Bkl)	5.45	hono	VI; V (S&C)	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	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)
3/25/53	18:19:00	19	12.0	155	39.0	hilea				48.4	49.2	m	4.98	<4.32	<4.37	3.69	3.98			4.41	aver	IV (Naalehu)	felt moderately-; slightly-Kona; 47.5 km from ml; Warshauer notes: A quake at 1:40 a.m. was intensity II-3.; Kalahiki (Kona)-3	Honolulu data average of two readings; closer? or slight; VL 519, p. 6; HTH, Mar. 26, 1953; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
4/24/53	1:42:00	19	20.0	155	47.0	ml swr				56.1	56.8	f-felt	4.04	no trace	no trace	no trace	no trace			4.04	nomo	IV	assume 10 km from Kona	numerals-in remarks column refer to HVO postcards]
5/24/53	2:44:00	19	26.0	155	27.0	kaoiki				19.9	21.9	m	4.42	4.66	4.76	4.11	4.46			4.50	hono	V	assume 15 km from Kona; felt-s Kona; Kalahiki (Kona)-2	numerals-in remarks column refer to HVO postcards]
5/29/53	4:59:00	19	29.0	155	56.0	kona				71.1	71.7	s; st (kona)	4.52	<4.01	<4.04	3.42	4.00			4.12	aver	IV	central Kona; assume 10 km from Kona	>4.1; VL 520, p. 4; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
8/21/53	19:47:00	19	46.5	155	50.5	hualalai		20	73	72.2	74.9	s; st (ml; kona; hilo)	5.02	5.28	4.98	4.96	5.01			5.06	hono	V; V (S&C)	assume 15 km from Kona; felt-Kona; Capt. Cook-3, began w rumble, then shaking makai-mauka as though wave had passed through house; also felt Kealakekua	deeper? from felt reports; mag Kona >5.0, mag Hilo >5. 4, mag ml >5.0; VL 521, p. 5-6; HTH, Aug. 22, 1953; extensive felt reports in HVO, unpub
8/23/53	0:53:00	19	37.3	155	55.4	hualalai				12.1	15.1	st (kona)	4.44	3.98	4.12	4.14	4.45			4.17	hono	IV	central Kona; assume 15 km from Kona; felt-central Kona	Honolulu data average of two readings; if referenced to Kona station; VL 521, p. 5-6; HTH, Aug. 24, 1953 [newspaper reports "strong" on HVO and ML stations-inconsistent with location given]; extensive felt reports in HVO, unpub
10/8/53	9:22:00	19	41.7	155	44.2	ml wf?			57	58.1	58.8	f-felt; m (ml)	4.06	<4.12	<4.02	<3.83	4.31			4.31	hono	VI	felt-Pahala; Kukuihaele-2	4.9; closer to ml or slight at ml?; VL 522, p. 3; additional felt reports in HVO, unpub
10/27/53	4:30:00	19	22.10	155	12.00	kl kuer sf?		10.0	9.0	9.5	13.8	st	4.37	4.38	4.44	4.65	4.55			4.51	hono	III	e rift near Alae crater; felt-volcano; volcano-slight; Warshauer notes: no mention of earthquake being felt; volcano-slight	checked paper records w. bob k 8/96-all four quakes look the same; VL 522, p. 4; HTH, 10/27; 28/1953; HA, 10/28; 29/1953; HVO unpub
10/27/53	6:20:00	19	22.10	155	8.80	kl kuer sf?		5.0	13.5	8.0	9.4	st (m?)	4.11	<4.22	<4.22	<4.15	<3.90			4.11	nomo		e rift s of Napau crater; Warshauer notes: no mention of earthquake being felt	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; HTH, 10/27; 28/1953; HA, 10/28; 29/1953
11/28/53	15:38:00					kl cal 05-10		8.0		5.0	9.4	m	3.83	no trace	no trace	no trace	4.03			4.03	hono	felt	near Kilauea crater; felt-hnp	depth assumed consistent with Honolulu magnitude and felt report; VL 522, p. 4
11/29/53	20:43:00	19	22.60	155	8.80	kl mer sf?	2.0	10.0		13.5	16.8	st	4.51	<4.52	<4.42	4.30	4.49			4.40	hono	IV	e rift near Napau crater; felt-hnp to Hilo; Warshauer notes: shook Hilo home sharply, intensity 3; 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?)	Honolulu amplitude average of two readings; VL 522, p. 4; additional felt reports in HVO unpub; HTH, 11/30/1953]
3/30/54	6:40:00	19	21.00	155		kl mer sf	24.0	10.0		29.0	30.6	st	4.93	6.06	6.13	5.91	6.01			6.03	hono	VI	about 15 mi deep between e rift and Kalapana; felt-entire Hawaii island; Hilo-5, dishes off shelves; Kalahiki (Kona)-4, long and gentle; Warshauer notes: see bib for damage report in Hilo	VL 523, p. 5, 7; HVO unpub; HTH, 3/30/1954; HA, 3/31/1954; HSB, 3/31/1954
3/30/54	6:57:00	19	21.00	155		kl mer sf	24.0	10.0	29.6	29.0	30.6	s	4.16							4.16	nomo		aftershock; Hilo-light aftershock	VL 523, p. 7; HVO unpub
3/30/54	8:42:00	19	21.00	155		kl mer sf	24.0	10.0		29.0	30.6	st	4.93	6.50	6.51	6.39	6.41	6.5; 6.0	W&K; PAS	6.45	hono	VII; VII (USE); VI (S&C)	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	isoseismal map in W&K; VL 523, p. 5, 7; additional felt reports in HVO unpub; HTH, 3/30/1954; HA, 3/31/1954; HSB, 3/31/1954

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
3/31/54	16:00:00					kl mer sf	24.0	10.0	15.0	15.0	18.0	m	4.05	<4.22	<4.30	<4.2	4.03			4.03	hono		epicenter closer to Kilauea's summit than the mainshock	VL 523, p. 7
4/1/54	15:56:00					kl ler		2.0	35.0	35.0	35.1	s-felt	4.03	<4.27	<4.27	poor	<3.70			4.03	nomo	felt	east Puna; felt-Puna	VL 524, p. 10
7/3/54	11:52:35	19	22.10	155	12.00	kl mer sf?	12.0	10.0		9.5	13.8	st	4.37	4.83	5.02	5.21	5.24	5.40	hvo (S&C)	5.24	aver	VI (W&K; S&C)	e rift near Alae crater, felt generally s half Hawaii island, accompanied and followed by numerous rockfalls on seaward face of Puu Kapukapu; Warshauer notes: int 4, felt in Hilo, Volcano and Kapapala, items off shelves; detailed felt reports in HVO unpub	magnitude not given in VL; VL 525, p. 6; HTH, 7/4/1954; HVO unpub
8/2/54	13:40:33					kl uer	15.0	2.0	9.0	9.0	9.2	st	4.09	<4.17	<4.17	<3.85	<3.75			4.09	nomo	felt	e rift Alae crater; felt-hnp	mag agrees if shallow; VL 525, p. 7
8/7/54	14:26:17					kl cal deep	25.0	25.0	4.0	4.0	25.3	st	4.80	5.16	4.45	4.98	5.42			5.00	hono	V	Kilauea crater; felt generally-central Hawaii island; Kamuela-5, vigorous shake, rumbling, windows rattle; Capt. Cook-3 to 4, 2 distinct, 2nd stronger, comb dur 1 min, swaying, felt by persons walking outdoors; Honokahau-window rattle	VL 525, p. 7; additional felt reports in HVO unpub
8/30/54	23:17:04	19	22.00	155	10.50	kl mer	20.0	5.0	11.5	11.5	12.6	m	4.03	4.12	<4.22	3.78	4.35			4.08	hono	felt	e rift Makaopuhi crater; felt-hnp	Honolulu amplitude average of two readings; mag agreement best for shallow depth; VL 525, p. 7
10/7/54	18:43:22	19	22.50	155	13.70	kl uer	10.0	10.0	7.0	7.1	12.3	m	4.02	no trace	no trace	no trace	no trace			4.02	nomo		e rift near Pauahi; Warshauer notes: slight shock at 6:43 p.m.; hnp (time 18:58)-set off buzzer	VL 526, p. 5; HTH, 10/8/1954; HVO unpub
10/11/54	6:26:33	19	23.0	155	54.2	kona				14.5	17.1	st (kona)	4.52	det.	no trace	4.07	4.28			4.28	aver	V (hilo); IV (kona)	w shore of Mauna Loa near Hookena; felt-Kalahiki, Capt.. cook, Kamuela, hnp, Hilo, Honokahau; extensive felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu and nomogram	magnitude agrees if strong referenced to Kona; VL 526, p. 5; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
2/23/55	13:58:49	19	22.00	155	10.50	kl cal deep?	25.0	30.0	13.5	14.0	33.1	s-felt (uwe, ml, pahoa; vf (hilo, naalehu, kamuela)	4.01	<4.22	<4.37	<4.23	4.08			4.08	hono	V	e rift near Makaopuhi crater; felt-hnp, volcano,; volcano-awakened; felt by several hnp/volcano, quite strong acc by a roar; Pepeekeo-felt; depth as given or deeper gives best fit to Honolulu magnitude and felt report	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
3/1/55	14:21:30	19	24.30	155	4.20	kl mer		2.0	13.5	16.4	16.5	st (pahoa)	>4.17	4.35	4.43	4.70	4.55			4.51	hono	V	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	assume strong at Whitney (VL 527, p. 4, table); M (Whitney) >4.65; VL 527, p. 5; HVO unpub
3/5/55	12:39:08	19	23.70	155	6.10	kl mer	2.0	10.0	20.5	19.8	22.1	st; m? (pahoa)	4.38	no record	<4.28	<3.9	<3.95			4.38	nomo	III	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	closer to Pahoa?; VL 527, p. 5; HVO unpub
3/5/55	12:53:44	19	24.30	155	4.20	kl mer	2.0	2.0	13.5	16.4	16.5	st (pahoa)	4.17	poor	no trace	no trace	no trace			4.17	nomo		e rift Kalalua	closer to Pahoa?; VL 527, p. 5
3/5/55	12:58:26	19	23.70	155	6.10	kl mer	2.0	2.0	17.5	19.8	19.9	st (pahoa)	4.30	poor	4.73	4.70	4.95			4.79	hono		4 km w of Kalalua-largest quake of series; assume strong at Whitney (VL 527, p. 4, table); M (Whitney) >4.65	VL 527, p. 5
3/5/55	14:22:08	19	24.30	155	4.20	kl mer	2.0	2.0	13.5	16.4	16.5	st (pahoa)	4.17	poor	no trace	no trace	no trace			4.17	nomo		e rift Kalalua	closer to Pahoa?; VL 527, p. 5
3/6/55	11:45:06	19	24.30	155	4.20	kl mer	2.0	2.0	13.5	16.4	16.5	st (pahoa)	>4.17	no trace	no trace	no trace	no trace			4.20	aver		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	closer to Pahoa?; VL 527, p. 6
3/7/55	22:21:31	19	21.20	155	0.30	kl mer sf	10.0	10.0	18.0	16.8	19.6	st (pahoa)	>4.29	5.20	5.23	5.23	5.35	5.40	hvo (S&C)	5.32	aver	V (W&K) ; IV (S&C)	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	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
3/7/55	22:57:38	19	21.20	155	0.30	kl mer sf	10.0	10.0	18.0	16.8	19.6	st (pahoa)	>4.29	<4.22	<4.42	3.78	4.27			4.02	hono	IV	Hilo-3, felt by many, slow and moderate, dur 15 sec, windows, doors, dishes rattled; Capt. Cook	at Whitney (VL 527, p. 4, table) yields M>4.92, slight?; location corrected to south coast of Kilauea
3/7/55	23:32:41	19	21.20	155	0.30	kl mer sf	10.0	10.0	18.0	16.8	19.6	st (pahoa)	>4.29	no trace	no record	det?	no trace			4.00	aver	III	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	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
3/11/55	23:59:00					kl ler		5.0	7.0	7.0	8.6	s (pahoa)	2.95							4.02	calc		do	lower east rift earthquake swarm; 15 events; VL 527, p. 6
3/30/55	13:41:31	19	20.3	155	41.0	ml swr				32.3	33.5	m (naalehu)	4.15	no trace	no trace	no trace	no trace			4.15	nomo			closer to Naalehu?; VL 527, p. 6

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
4/1/55	4:24:28	19	24.30	155	17.70	kl cal deep	10.0	30.0	4.5	2.1	30.1	st (uwe)	4.46	4.75	4.78	5.13	5.33	5.20	hvo	5.10	aver	V; V (W&K; S&C)	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	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, 4/1/1955; mag not published in VL; preferred mag average of Honolulu and HVO
4/7/55	1:27:22					kl cal deep	25.0	25.0	15.0	15.0	29.2	s (uwe)	3.93	<3.90	<4.12	<3.75	4.25			4.25	hono		Hilina pali	Honolulu amplitude average of two readings; VL 528, p. 5
4/23/55	7:33:51	19	27.6	155	22.5	kaoiki	15	15	6	3.9	15.5	m (ml)	4.13	no trace	no trace	no trace	no trace			4.13	nomo	felt	10 km n of halfway house; felt-Hilo, hnp, Naalehu; Hilo-felt by two; Naalehu-felt by one	numerals-in remarks column refer to HVO postcards]
8/7/55	7:17:44	20	3.7	155	39.0	kohala	40	40	5	5.0	40.3	st (kamuela)	4.79	5.25	5.33	5.06	light trace			5.21	hono	V; V (S&C)	5 km NE of Kamuela; felt-entire Hawaii island, Maui, Oahu; Hilo-2, felt by many awake, weak, dur 3 sec, windows rattled; Kealakekua-5, buildings/windows shook; Olaa-gentle rolling; volcano-several felt; Pahala/Hakalau-good jolt; Waimea-strongest in 15 yr	VL 529-530, p. 12; additional felt reports in HVO unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
8/14/55	2:28:05	19	18.60	155	17.40	kl cal deep	25.0	25.0	15.0	12.7	28.0	st (uwe)	4.41	6.11	5.97	5.73	5.50	6, 5.7	W&K; hvo	5.84	aver	VI; VI (S&C)	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	Isoseismal map in W&K; VL 529-530, p. 12; HVO unpub; HTH, 8/14/1955; HVO mag not published; preferred mag calculated as average of Hon, HVO and W&K
9/26/55	2:16:00	19	13.0	155	44.7	ml swr			23	23.9	25.6	st (naalehu)	4.48	no trace	no trace	3.92	4.35			4.13	hono	IV	SW rift near Puu Keokeo; felt-SW half Hawaii island; Kapapala-felt strongly; Naalehu-felt quite strongly; Kalapana-felt; hnp-felt; Kalahiki-3	VL 529-530, p. 12; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/26/55	16:55:45	19	29.4	155	35.0	ml mok			20.5	20.3	22.2	st (ml)	4.38	4.45	4.59	4.57	4.60			4.55	hono	V (W&K)	NE end of Mokuaweoweo; felt-hnp; volcano-felt throughout, gentle slow motion of dur 30 sec	numerals-in remarks column refer to HVO postcards]
3/10/56	1:58:07	19	53.4	155	1.7	mauna kea os	40	40		20.0	44.7	s-felt (hilo)	4.17	<3.92	<3.92	<3.47	4.27			4.27	hono	felt	offshore 20 km ENE of Hilo; felt-Hilo, Glenwood; felt in Glenwood and by several in Hilo; preferred mag average of Honolulu and nomogram	average of two readings; Macdonald and Eaton, 1956a ; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
5/13/56	21:53:36	20	47.0	155	17.0	maui east	20	20		94.1	96.2	m (kamuela)	4.89	4.76	4.37	4.04	4.29	4.5	hvo	4.62	aver	V; V (S&C)	felt-hnp to Honolulu, Oahu; Kamuela-5, 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	Latitude given as 20°17' [misprint?]; Macdonald and Eaton, 1956b; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]; HVO magnitude not published
5/27/56	15:41:00	19	25.0	155	26.0	kaoiki	5	5	10.5	9.5	10.7	st (ml)	3.87	4.15	4.39	4.11	4.31			4.24	hono	IV	5 km n of Ainapo; felt strongly-Kapapala; also from Kealakekua to Hilo; Hilo-2, 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	Macdonald and Eaton, 1956b; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/16/56	0:44:55	19	38.9	156	25.5	kona os	5	5	54	55.4	55.7	st (kona)	5.34	5.03	5.25	5.14	light trace	5.5	HVO	5.26	aver	(S&C); IV (hilo, kona)	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	Eaton and Fraser, 1956b [magnitude given to S&C not published]; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/16/56	17:31:24	19	38.9	156	25.5	kona os	5	5	54	55.4	55.7	s-felt (kona)	4.57	4.46	4.73	4.28	4.54			4.50	hono	IV	steady vibration, dur 7 sec, rumble, similar to earlier one but shorter and weaker, persons outside	[intensities-arabic numerals-in remarks column refer to HVO postcards]
1/7/57	12:54:15	19	23.0	155	26.4	kaoiki	5	5	13.5	13.1	14.1	m (ml)	3.79	no trace	no trace	no trace	3.76	4.3	hvo	4.00	aver	IV	felt-hnp to Kona; hnp/volcano-slight quake, felt by several; Capt. Cook-4, 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	7 km e of Anipeahi; assume 5 km depth; Eaton and Fraser, 1957a; additional felt reports in HVO, unpub
1/22/57	18:35:24	19	24.0	155	50.0	kona				15.5	17.9	s-felt (kona)	3.78	no trace	no trace	no trace	no trace	4.3	hvo	4.04	aver	IV	felt-central Kona; Kealakekua-very slight; Capt. Cook-3, "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	central Kona; assume 5 km depth; farther from Kona seismometer?; Eaton and Fraser, 1957a; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
2/11/57	14:03:24	19	15.7	155	16.00	kl kuer sf	15.0	10.0	16.5	19.1	21.5	m (uwe)	4.23	<4.07	<4.07	<4.76		4.00	hvo	4.00	hvo	IV	7 km w of Apua pt, felt-hnp, Kona; hnp-sharp jolt like car striking house, also felt at volcano; Capt. Cook-2, gentle, quick jiggle, dur >7 sec, prob 12-15 sec, pheasants cackling, felt lightly by few	HTL high; Eaton and Fraser, 1957a; HVO unpub
4/5/57	22:28:40	20	0.0	155	40.0	mauna kea deep	30	30	2	2.5	30.1	m (kamuela)	4.08	no trace	no trace	no trace				4.08	nomo	III	Kamuela; felt-5 km NW of; time 22:48; Kukuihaele 4, loud rumbling then shake	Eaton and Fraser, 1957b; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M MS E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
7/4/57	0:53:59	19	48.1	155	42.1	mauna kea	15	15	24.5	24.7	28.9	st (kamuela)	4.56	4.40	4.40	4.53		4.5	hvo	4.47	aver	V; IV (S&C)	8 km SW of; felt generally-Hawaii island; additional felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu and HVO	Eaton and Fraser, 1957c; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
7/26/57	1:40:30	20	14.3	156	7.1	kohala			54	52.9	53.6	st (kamuela)	4.99	4.07	4.55	4.65		4.6	hvo	4.52	aver	IV (S&C)	30 km w of Hawi; felt-Kealakekua; preferred magnitude calculated as average of Honolulu and HVO	closer to Kamuela?; Eaton and Fraser, 1957c
8/10/57	14:43:43	20	48.0	155	28.0	maui	10	10		153.5	153.8			4.25	4.05	4.06		4.2	hvo	4.16	aver	III	preferred magnitude calculated as average of Honolulu and HVO	latitude given in error as 23°48'; Eaton and Fraser, 1957c
8/11/57	4:39:26	20	48.0	155	28.0	maui	10	10		153.5	153.8			3.98	4.28	4.09		4.3	hvo	4.21	aver		preferred magnitude calculated as average of Honolulu and HVO	latitude given in error as 23°48'; Eaton and Fraser, 1957c
8/18/57	0:41:56	20	48.0	155	28.0	maui	10	10		153.5	153.8			5.27	5.45	4.96		5.6	hvo	5.41	aver	V (S&C)	felt widely-Hawaii island, Maui; preferred magnitude calculated as average of Honolulu and HVO; hilo-gentle, jarring quake, felt by few	latitude given in error as 23°48'; Eaton and Fraser, 1957c; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
9/5/57	9:31:24	19	42.6	155	2.9	hilo deep	50	50	6	4.4	50.2	s-felt (hilo)	4.03	no trace	no trace	no trace		3.3	hvo	4.03	aver	III	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	Eaton and Fraser, 1957c; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
2/15/58	16:48:38	18	58.0	155	29.0	kl swr sf os deep	35.0	35.0	56.0	56.7	66.6			<4.04	no trace	4.54		3.90	hvo	4.10	aver	felt	17 km se of Naalehu, felt-Naalehu, Pahoa; felt at Pahoa and Naalehu; preferred magnitude calculated as average of Honolulu and HVO	HTL high; Eaton and Fraser, 1958a; HVO unpub
4/24/58	3:06:33	20	2.7	155	15.0	mauna kea	25	25		68.1	72.5			no trace	no trace	4.68		4.3	hvo	4.49	aver	IV	5 km n of; felt-most of Hawaii island; extensive felt reports in HVO, unpub; preferred magnitude calculated as average of Honolulu and HVO	Eaton and Fraser, 1958b; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
7/6/58	23:59:00	19	28.5	155	12.80	kl gln deep	55.0	55.0	10.0	7.3	55.5									4.82	calc		preferred magnitude calculated as Richter distribution	deep earthquake swarm north of Kilauea caldera; 2052 events of M<2.5 with b = 1.5 whose magnitudes are not tabulated separately (Eaton and Krivoy, 1958, p. 4)
9/28/58	20:48:06	19	9.2	155	35.2	mauna loa deep	25	25		45.9	52.2			no trace	no trace	4.29		3.8	hvo	4.04	aver	IV	10 km n of; preferred magnitude calculated as average of Honolulu and HVO; Hakalau-felt; hnp-felt; Hilo-2, felt by few, rapid, weak, dur 2 sec, windows rattled	Eaton and Krivoy, 1958a; HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
10/22/58	23:43:28	19	12.5	155	19.00	kl kuer sf os	5.0	5.0		25.5	26.0			<4.57	<4.57	4.53		4.30	hvo	4.41	aver	V	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	Honolulu amplitude average of two readings; HTL high; Eaton and Krivoy, 1958b; HVO unpub
10/23/58	12:23:23	19	12.5	155	19.00	kl kuer sf os	5.0	5.0		25.5	26.0			4.62	4.74	4.60		4.30	hvo	4.47	aver	IV	felt-Pahala; hnp-felt; Pahala-felt by many in Kau, very strong; Capt. Cook-felt; preferred magnitude calculated as average of HVO and Honolulu	Honolulu amplitude average of two readings; Eaton and Krivoy, 1958b; HVO unpub
11/2/58	5:55:44	19	24.4	155	18.40	kl cal deep	30.0	30.0	4.5	5.1	30.4			<4.50	4.60	4.70		4.40	hvo	4.40	hvo	IV	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,	Honolulu amplitude average of two readings; Eaton and Krivoy, 1958b; HVO unpub
12/27/58	23:17:24	19	46.0	155	10.0	hilo deep	45	45		38.6	59.3			4.72	4.72	>4.07		4.5	hvo	4.50	hvo	IV; III (S&C)	7 km NW of Hilo; felt-Hilo to Kealakekua	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
12/27/58	23:17:24	19	46.0	155	10.0	do	do	do		do	do			4.72	4.72	>4.07		4.5	hvo	do	do	do	Capt. Cook (time 23:30)-awakened, very long, feeble but with three build-ups in intensity, loosened sections of a stone wall; hilo (time 23:17)-3 to 4, felt by most, rapid, moderate, dur 4 sec, sharp, seemed directly beneath	HVO, unpub [intensities-arabic numerals-in remarks column refer to HVO postcards]
1/7/59	23:59:00					kl gln deep														4.47	calc		Preferred magnitude calculated as a Richter swarm	deep earthquake swarm north of Kilauea caldera; 571 events of M<2.5 with b = 1.5 whose magnitudes are not tabulated separately (Eaton and Krivoy, 1963a, p. 2)
2/19/59	20:00:28	19	21.0	155	9.00	kl mer sf	5.0	5.0		15.4	16.2			4.62	4.90	5.11		4.50	hvo	4.69	aver	III (S&C)	felt-Capt. cook, Honokaa, Hilo, hnp; preferred magnitude calculated as average of HVO and Honolulu	Honolulu data is average of two readings; Eaton and Krivoy, 1963a
3/6/59	16:45:15	19	44.0	156	12.0	hualalai os	15	15		103.9	105.0			no trace	no trace	4.20		4.0	hvo	4.10	aver	felt	felt-Capt. cook; preferred magnitude calculated as average of Honolulu and HVO	Eaton and Krivoy, 1963a
6/26/59	12:16:34	19	13.0	156	22.0	milolii os	15	15		118.4	119.4			no trace	no trace	4.15		4.2	hvo	4.18	aver	felt	felt-Capt. cook; preferred magnitude calculated as average of Honolulu and HVO	Eaton and Krivoy, 1963b

Date	Time (HST)	Lat (deg)	Lat (min)	Lon (deg)	Lon (min)	Region	Publ. Depth	Pref. Depth	Publ. Dist.	Calc. Dist	Slant dist	Mag class	M nomo	M M S E-W	M M-S N-S	M vert SPN	M hor N-L	M other	M (other) source	M pref	M (pref) source	I (max)	Location/felt report	Comment
8/18/59	13:54:50	19	17.0	154	57	kl mer sf deep?	45.0	45.0		37.3	58.5			no trace	no trace	det?		4.00	hvo	4.00	hvo	felt	felt-hnp, Hilo	Eaton and Krivoy, 1963c
8/20/59	23:59:00					kl gln deep	51.5	51.5		6.5	51.9									4.75	calc		Preferred magnitude calculated as a Richter swarm	deep Glenwood earthquake swarm; 2358 events of M<2.5 with b = 1.5 whose magnitudes are not tabulated separately (Eaton and Krivoy, 1963c, p. 2, 10-13)
9/18/59	14:50:04	19	24.0	155	6	kl mer	5.0	5.0		18.0	18.7			no record	no record	no record		4.00	hvo	4.00	hvo	felt	felt-hnp, Hilo	Eaton and Krivoy, 1963c