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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
4/01/1903																					Milne seismometer (Alexander, 1899) moved from Oahu college and installed at Ewa Beach
4/01/1903																					Halemaumau intermittently active since January 1895
4/19/1903	2:00					east hawaii								< 5.2					felt	Lyman notes: one shock felt; Warshauer notes: slight earthquake at Hilo	not found on Hon film record; WKC, 1992, p. 28 [date given as 4/18-newspaper date of 4/19 accepted]; PCA, 5/16/1903; not found in HH or HT
6/09/1903	19:20					hilea?													felt	Warshauer notes: light earthquake felt at Naalehu	PCA, 7/15/1903; HG, 7/17/1903; not found in HH or HT
7/01/1903	13:00					kohala?													felt	Warshauer notes: felt at Kohala	PCA, 8/17/1903; not found in HH or HT
7/02/1903	12:30					east hawaii													felt	Warshauer notes: long shock felt at Pepeekeo	PCA, 8/17/1903; not found in HH or HT
8/01/1903	11:50					south hawaii								< 5.2					felt	Warshauer notes: big rock slide from the Puna side of Kilauea crater; distance of 500 ft, 6-8 ft thick [triggered by the quake?]; felt at Naalehu (11:50), Hilo (11:40) and Pepeekeo (11:50)	not found on Hon film record; HT, 8/7/1903; PCA, 9/15/1903
8/04/1903	21:55					south hawaii													felt	Warshauer notes: felt at Naalehu and Hilo, the latter preceded by rumbling	looked for, Hon film record destroyed; PCA, 9/15/1903; not found in HH or HT; not mentioned in VHR entry covering this date
8/17/1903	1:00					kohala?								< 5.2					felt	Warshauer notes: felt at Kohala	not found on Hon film record; PCA, 9/15/1903; not found in HH or HT
8/21/1903	4:20					hilea?													felt	Warshauer notes: felt at Naalehu	Hon film record unavailable; PCA, 9/15/1903; not found in HH or HT
9/01/1903																				Warshauer notes: Mokuaweoweo reported in activity seen from Haleakala [probably in error; see below for later reports of eruption beginning]	HS, 9/7/1903
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
10/02/1903	6:05					east hawaii?								< 5.27					felt	Warshauer notes: felt at Hilo [eruption precursor?]	not found on Hon film record--disturbed record; PCA, 11/16/1903; not found in HH or HT
10/06/1903	12:45																			Warshauer notes: great volumes of smoke arose from the higher summit of Mauna Loa	Mauna Loa eruption begins in Mokuaweoweo; WKC, p. 28 [no felt earthquakes reported from Hilo]; HH, 10/8/1903
10/06/1903	12:45																			Warshauer notes cont.: communication from St. Claire Bidgood at Volcano House, 12:30 a.m. Oct. 7, 1903: . . .[the eruption] started at 12:45 this p.m. [Oct. 6] without any warning--no earthquakes or reports	PCA, 10/10/1903, HG, 10/18/1903; Warshauer notes: communication from Anna M. Paris, Kealakekua, Kona, dated 10/7/1903: . . . "It has all been so quietly done. No earthquakes as yet. If the flow should stop suddenly we may expect them. . . .;
10/07/1903	14:45					hilea?								< 5.2					felt	Warshauer notes: medium earthquake felt at Naalehu	not found on Hon film record; PCA, 11/16/1903; not found in HH or HT [eruption info only]
10/08/1903	12:00					hilea?								< 5.2					felt	Warshauer notes: Two days after the outbreak Kau experienced a short but heavy shock of earthquake, not noticed [not perceived] on the windward side of the island	time not given; not found on Hon film record; HH, 10/15/1903
11/25/1903																					Renewed activity in Halemaumau; Wood/1917 chart 2, p. 118
12/06/1903																					End of activity in Halemaumau; Wood/1917 chart 2, p. 118

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12/08/1903	7:15					east hawaii								< 5.41					felt	Warshauer notes: slight earthquake felt in Hilo	not found on Hon film record--disturbed record; PCA, 1/11/1904; not found in HH or HT; no mention in VHR entry covering this date
12/08/1903	22:00																			Warshauer notes: Dec. 8; unusual brilliancy of summit stopped (10 p.m.); the next day the eruption was over	Mauna Loa summit eruption ends; HH, 12/10/1903
12/15/1903																					Renewed activity in Halemaumau; Wood/1917 chart 2, p. 118:
1/10/04																					End of activity in Halemaumau; Wood/1917 chart 2, p. 118:
1/23/04	21:40					mauna kea?								< 5.2			3.76	int	IV	Warshauer notes: slight earthquake in Hilo; also felt in Waimea and Kohala (9:43 p.m.); felt as heavy in Pepeekeo (9:38 p.m.)	not found in Hon Station Bulletin (Hazard, 1910); not found on Hon film record; PCA, 2/17/1904; not found in MN, HH or HT
2/14/04	13:33					east hawaii								< 5.2			3.76	int	IV?	Lyman notes: a long continued trembling, 3 or 4 seconds? several slight shocks at different times; [no dates or times given--probably correspond to the three quakes which have newspaper documentation]; Warshauer notes: heavy earthquake felt in Hilo	not found in Hon Station Bulletin (Hazard, 1910); not found on Hon film record; WKC, 1992, p. 28; PCA, 3/17/1904; HG, 3/18/1904; not found in HH or HT
2/18/04	10:25					east hawaii								4.97			4.97	hono	IV?	Warshauer notes: vigorous earthquake felt in Hilo between 10 and 11 o'clock	not found in Hon Station Bulletin (Hazard, 1910); found on Hon film record; PCA, 2/22/1904; HS, 2/20/1904; HT, 2/19/1904; not found in HG, HEB, HH or MN
2/19/04	1:05					mauna kea?													felt	Warshauer notes: an earthquake felt in Pepeekeo	PCA, 3/17/1904
3/19/04	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
3/29/04	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
3/29/04	11:48					kohala??								5.32			5.32	hono			not recognized in newspaper reports; Hon seismogram suggest different location
3/30/04	12:15					kohala?								< 5.0					felt	Warshauer notes: felt in Kohala	not found on Hon film record; PCA, 4/13, p. 6; not found in HH or HT
4/4/04	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
4/4/04	7:39					do											do	do	do	Warshauer notes: earthquake in Honolulu preceded by low rumbling noise as of far off distant thunder, the earth moving so that houses shook and dishes rattled; earthquake quite severe at Hilo [7:35], Kohala [7:40], and Pepeekeo [7:35]	PCA, 5/16/1904
4/29/04	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
4/30/04	22:55					east hawaii													felt	Warshauer notes: felt at Hilo	looked for on Hon film record--record unusable; PCA, 5/16/1904

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6/4/04	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
6/4/04	12:25					do								do			do		do	Warshauer notes: strongly felt on Maui , Molokai, and Honolulu, lightly felt at Hilo and Honokaa; landslides in Molokai, damaged light furniture and bric-a-brac all over Maui; buildings swayed, windows rattled and some dishes broke in Honolulu	PCA, 6/5/1904; HT, 6/10/1904
6/4/04	12:25					do								do			do		do	Warshauer notes: severest in Maui in several years; pictures swung, china rattled, crockery broken and walls rattled ominously; felt generally throughout the group being heaviest on Maui; also felt at Pepeekeo; slight shock at Hilo much more vigorous on M	PCA, 6/13; 7/14/1904
6/4/04	12:25					do								do			do		do	Warshauer notes: The slight earthquake shock experienced by Hiloites last Saturday noon was more vigorously felt on Molokai and Maui, where dishes and bric-a-brac suffered from the earth tremor	HT, 6/10/1904
6/28/04	22:00					east hawaii								<5.07			3.76	int	IV?	Lyman notes: a long shake, two shocks; Warshauer notes: a pretty vigorous earthquake shock was felt [Hilo] Tuesday night at 10 o'clock; slight shock at Pepeekeo on the 28th	not found on Hon film record; HT, 7/1/1904; HS, 7/2/1904; PCA, 7/14/1904; not found in HG, HEB or HH
7/11/04	11:00					east hawaii													felt	Lyman notes: a slight shock; Warshauer notes: there was an earthquake shock on Monday morning about 11:00 o'clock, which was felt throughout the city [Hilo] but with more severity in Puueo	not found on Hon film record; HT, 7/15/1904; not found in HH
7/12/04	10:10					east hawaii								<5.22			3.76	int	IV?	Lyman notes: a smart shock; Warshauer notes: Tuesday morning about 10 o'clock there was another shock [felt in Hilo]	not reported in Hon Station Bulletin (Hazard, 1910); not found on hon film record; WKC, 1992, p. 28; HT, 7/15/1904; not found in HH
7/17/04	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
7/17/04	14:00					do								do			do	do	do	Warshauer notes: heavy earthquake shocks in the Kau district, very frequent and some of considerable duration; no damage [no times given; mainshock at 2 p.m. followed by aftershocks?]; felt at Volcano House at 2 p.m., caused landslides at Halemaumau	PCA, 7/20; 24/1904, p. 5; HH, 7/21/1904; HT, 7/22/1904
7/17/04	14:00					do								do			do	do	V (halemaumau); VI (hilo)	Warshauer notes: felt at Hilo, heavy [no time], and Pepeekeo, hard at 1:55 p.m.; continued caving at Halemaumau; slow and steady quake caused trees to sway, tumbled pictures and bric-a-brac and damaged crockery in Hilo; also felt at Volcano House	PCA, 8/13/1904, p. 5; HH, 7/21/1904; HT, 7/22/1904
7/18/04	0:00					east hawaii													felt	Lyman notes: a slight shock felt in the night; Warshauer notes: not mentioned separately from the event at 2 p.m. [See references cited above]	WKC, 1992, p. 28 [aftershock?]
7/23/04						oahu?													felt	Warshauer notes: slight earthquake felt in Honolulu on the 23rd	time not given; not reported in Hon Station Bulletin (Hazard, 1910); not found on Hon film record; PCA, 8/13/1904
7/25/04	0:00					east hawaii													felt	Lyman notes: a slight shock felt in the night [same quake as above?]	WKC, 1992, p. 28; not found in HH, HT or MN
8/22/04	7:10					kohala?													felt	Warshauer notes: earthquake felt at Kohala Mission at 7:10 am of [August] 22nd	PCA, 9/15/1904
10/12/04	22:30					east hawaii													felt	Warshauer notes: distinct shock of earthquake felt in Hilo	not found on Hon film record; HT, 10/18/1904

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10/13/04	9:00					east hawaii													felt	Warshauer notes: distinct shock of earthquake felt in Hilo	not found on Hon film record; HT, 10/18/1904
10/14/04	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
10/23/04	12:00					kohala													felt	Warshauer notes: Kohala reports earthquake shocks felt on the 14th (see above) and 23rd	no time given; PCA, 11/18/1904
11/13/04	20:15					east hawaii								<5.22			3.76	int	IV; IV (W&K)	Lyman notes: a shock that shook windows in Haili Church; Warshauer notes: A distinct earthquake shock was felt Sunday night about 8:40 o'clock [discrepant time-same event?]; light earthquake felt at Pepeekeo at 8 p.m.	not reported in Hon Station Bulletin (Hazard, 1910); not found on Hon film record; WKC, 1992, p. 28; HT, 11/15/1904; PCA, 12/19/1904; HG, 12/20/1904
11/20/04	9:00					east hawaii													felt	Lyman notes: a slight shock felt	not found in HH, HT , HG or PCA
11/26/04	5:00					east hawaii													felt	Lyman notes: a slight shock felt	not found in HH, HT, HG or PCA
2/22/05																					renewed activity in Halemaumau; intermittent activity through March; Wood/1917 chart 2, p. 118
3/24/05	20:30					kl cal deep??													felt	Warshauer notes: Hawaii experienced [felt] an earthquake on Friday evening at about 8:30 o'clock.	not found on Hon film record; PCA, 3/27/1905; not found in HG, HH or HT
4/15/05																					renewed activity in Halemaumau; active at least until early June; no molten lava visible in September; Wood/1917 chart 2, p. 118
4/21/05	13:00					hilea?								< 5.1			3.76	int	IV?	Lyman notes: quite a shake and tremble; Warshauer notes: A heavy earthquake shock was experienced at Naalehu, Hawaii at 12:53 p. m. of the 22nd instant [date wrong here or in Lyman diary], but caused no damage.	not reported in Hon Station Bulletin (Hazard, 1910); not found on Hon film record; WKC, 1992, p. 28; PCA, 5/2/1905; not found in HH or HT
5/3/05	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]
5/3/05	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]
5/3/05	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
5/3/05	22:15					kl sf?													felt	Lyman notes: a slight 2 shock quake at 10:15 p.m.; Warshauer notes: probably felt on Hamakua coast; felt in some parts of Hilo; shake at 10:38 p.m.	aftershock; WKC, 1992, p. 28; PCA, 5/10; 12/1905; HT, 5/9/1905
5/3/05	22:50					kl sf?													felt	Lyman notes: a medium smart shake; Warshauer notes: a shock at 10:55 p.m. felt in Hilo	aftershock; PCA, 5/12/1905; HT, 5/9/1905
5/3/05	23:10					kl sf?													felt	Warshauer notes: a shock at 11:10 p.m. felt in Hilo	aftershock; PCA, 5/12/1905; HT, 5/9/1905
5/3/05	23:59					kl sf?														Warshauer notes: Several shocks felt all over island, aft. and eve., May 3; Laupahoehoe and Papaikou--5 sharp, no damage; Honomu--2 sharp in aft., several lighter during eve.; Hilo--5 ; Kaumana--4; no felt reports from Kau, Kapoho or Kona	times given as "afternoon and evening"; PCA, 5/10/1905; not found in HH

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5/4/05	1:00					kl sf?													felt	Warshauer notes: felt at Olaa and Kaumana [Hilo] at 1 a.m.; felt in Hilo, followed by more shocks at intervals during the wee hours of the morn	aftershock; not found on Hon film record; PCA, 5/10; 12/1905; HT, 5/9/1905; HS, 5/10/1905
5/5/05	17:00					kl sf?													felt	Warshauer notes: two shocks at 5:00 p.m. felt in Hilo	aftershock; not found on Hon film record; PCA, 5/12/1905; HT, 5/9/1905
5/5/05	18:30					kl sf?													felt	Warshauer notes: a shock at 6:30 p.m. felt in Hilo	aftershock; not found on Hon film record; PCA, 5/12/1905; HT, 5/9/1905
5/5/05	19:15					kl sf?													felt	Warshauer notes: a shock at 7:15 p.m. felt in Hilo	aftershock; not found on Hon film record; PCA, 5/12/1905; HT, 5/9/1905
5/5/05	20:20					kl sf?													felt	Warshauer notes: a shock at 8:20 p.m. felt in Hilo	aftershock; not found on Hon film record; PCA, 5/12/1905; HT, 5/9/1905
5/7/05	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
5/28/05	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
7/28/05	19:00					oahu													felt	Warshauer notes: Parties who came over from the windward side of Oahu last night reported that a distinct shock of earthquake was felt at Waiahole on Friday night; There were two slight earthquake shocks about dinner time last evening [prob same event]	time assumed; not reported in Hon Station Bulletin (Hazard, 1910); not found on hon film record; PCA, 7/30/1905
8/17/05	21:50					east hawaii													felt	Lyman notes: a slight shake [felt in Hilo]	not found on hon film record; WKC, 1992, p. 28; not found in HH, HT, HG or PCA
8/18/05	2:30					east hawaii													felt	Lyman notes: a slight tremble [felt in Hilo]	not found on hon film record; WKC, 1992, p. 28; not found in HH, HT, HG or PCA
10/19/05	23:25					east hawaii													felt	Lyman notes: a slight earthquake North and South [felt in Hilo]; Warshauer notes: There was a sharp earthquake shock felt in Hawaii late last week	not found on hon film record; WKC, 1992, p. 28; PCA, 10/25/1905; not found in HH or HT
11/14/05	8:30					east hawaii								<5.22			3.76	int	IV; IV (W&K)	Lyman notes: a slight tremble [felt in Hilo], rattling windows	not reported in Hon Station Bulletin (Hazard, 1910); not found on hon film record; WKC, 1992, p. 28; not found in HH, HT, HG or PCA
11/20/05						east hawaii															Renewed activity in Halemaumau; increasing activity through mid-April 1906; not active in early 5/1906; Wood/1917 chart 2, p. 118
1/5/06	23:00					east hawaii													felt	Lyman notes: a slight shock and tremble [felt in Hilo]	not found on hon film record; WKC, 1992, p. 29; not found in HH, HT, HG or PCA
4/1/06	5:20					east hawaii								< 5.3					felt	Lyman notes: a slight shake [felt in Hilo]	not found on hon film record; WKC, 1992, p. 29; not found in HH, HT, HG or PCA
4/24/06	22:00					east hawaii													felt	Lyman notes: a slight shake [felt in Hilo]	not found on hon film record; WKC, 1992, p. 29; not found in HH, HT or PCA
4/25/06	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
4/25/06	1:47					do								do			do	do	do	Warshauer notes: severe in Kona and Honokaa, duration 30 sec, followed by two less severe; quakes felt in Mahukona, threw down walls at Kawaihae; 3 distinct in Hilo, 2nd light; also in Kau; felt at Volcano, Waimea, Hilo and Mahukona about equally	HH, 4/26/1906; HT, 5/1/1906; HG, 5/1/1906; HS, 4/28/1906; HEB, 4/28/1906
4/25/06	2:30					north hawaii													felt	Lyman notes: a slight shake [felt at Hilo]; Warshauer notes: see above	aftershock; not found on hon film record-disturbed record; WKC, 1992, p. 29; HH, 4/26/1906

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4/25/06	4:30					north hawaii													felt	Lyman notes: a slight shake [felt at Hilo]; Warshauer notes: see above	aftershock; not found on hon film record-disturbed record; WKC, 1992, p. 29; HH, 4/26/1906
4/26/06	22:55					north hawaii?													felt	Warshauer notes: a lighter shock [compared to the event at 1:47 a.m. of the 25th] was felt [at Hakalau] at 10:55 p.m. of the 26th	aftershock?; not found on hon film record; PCA, 5/1/1906, p. 5; not found in HH
4/30/06	22:00					east hawaii													felt	Lyman notes: a slight shake	aftershock?; not found on hon film record-disturbed record; WKC, 1992, p. 29; not found in PCA, HH or HT
8/19/06	21:00					south hawaii											3.76	int	IV?	Lyman notes: a somewhat smart shake, over Hawaii; Warshauer notes: There was a sharp earthquake here [Hilo] at 9 o'clock last evening	not reported in Hon Station Bulletin (Hazard, 1910); not found on hon film record; WKC, 1992, p. 29; PCA, 8/21/1906; not found in MN, HH or HT
8/31/06	6:30					ml ner??													felt	Lyman notes: bad smell on beach [Aug. 25]; many more dead fish and squid all the week [Aug. 26]; Natives at Waiakea reported many dead fish and saw boiling water outside of Mokoula Sunday	WKC, 1992, p. 29
8/31/06	6:30					do													do	Warshauer notes: a light earthquake was felt here [Hilo] at 6:30 a.m.; An earthquake occurred here at 6:40 a.m. Shortly afterwards hundreds of dead fish were strung along the beach. The fish were apparently scalded by a submarine eruption off Keaukaha	not found on hon film record-disturbed record; PCA, 9/1; 4; 6 1906; HT, 9/4/1906; HS, 9/5/1906
9/4/06	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
9/25/06	5:00					east hawaii													felt	Lyman notes: tremble; Warshauer notes: a slight earthquake shock felt [at Laupahoehoe] at 5:15 a.m. of 25th	not found on hon film record-disturbed record; WKC, 1992, p. 29; PCA, 10/2/1906, p. 6
9/29/06	6:00					east hawaii													felt	Lyman notes: a slight shake [felt in Hilo]	not found on hon film record-disturbed record; WKC, 1992, p. 29; not found in HH, HT or PCA
12/2/06																					Wood/1917 chart 2, p. 118: renewed activity in Halemaumau
1/7/07	2:00					east hawaii													felt	Lyman notes: a slight shock and tremor [felt in Hilo]	not found on hon film record; WKC, 1992, p. 29; [not found in HH, HT or PCA (no mention in Weekly Weather Bulletin for the week ending 1/12/1907)]
1/8/07	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]
1/9/07	23:30					ml mok														Warshauer notes: eruption occurred without warning, but was acc by many quakes felt on the other side of the island {Kona?] and two or three in Hilo. Those away from Hilo were severe. No damage.	WKC, 1992, p. 29;HH, 1/17/1907; Mauna Loa eruption at 12,000 ft altitude (South Pit; Pohaku Hanalei) eruption began before midnight, accompanied by a small earthquake swarm (Hawaii Annual for 1908, p. 131-135); HH, 1/17/1907
1/9/07	23:00					ml swr?											3.76	int	IV?	Lyman notes: a bright light seen on South end of Mauna Loa, 2 AM [no mention of eq's]; outbreak without warning, accompanied by many earthquakes felt severely on the Kona side, two or three felt by few in Hilo; no damage	time assumed; WKC, 1992, p. 29; HH, 1/17/1907; Mauna Loa eruption at 12,000 ft altitude (South Pit; Pohaku Hanalei) eruption began before midnight, accompanied by a small earthquake swarm (Hawaii Annual for 1908, p. 131-135)

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1/10/07	6:00					ml swr?													felt	Warshauer notes: Over thirty slight eq's felt in Hilo since midnight; no eq's noticed at Hilo [?], but continuous at Kapapala ranch, where more than 30-40 were counted; [see above for earthquakes preceding and continuing through beginning of eruption]	time assumed; no mention of eq's in VHR, or in WKC, 1992, p. 29; PCA, 1/11/1907; HT, 1/15/1907
1/10/07	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
1/10/07	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
1/10/07	21:00					ml swr?											3.76	int	IV?	Lyman notes: a smart shock at 9 p.m.; Warshauer notes: During the day two temblors felt in Hilo and a number of slight ones on the Puueo side of the Wailuku River; another [shock] at 9:30 o'clock yesterday evening, which was felt all over the island.	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film record; [shallower? or closer to Hilo? than event at 13:31]; WKC, 1992, p. 29; HT, 1/15/1907; HEB, 1/12/1907; HS, 1/22/1907
1/11/07						ml swr?															Mauna Loa sw rift eruption at 10,000 ft altitude (Puu Keokeo) accompanied by eqs; 200 events felt by January 12 (Hawaii Annual for 1908, p. 131-135)
1/11/07	5:00					ml swr?													felt	Lyman notes: a slight tremor [felt in Hilo] about 5 a.m.; Warshauer notes: The observer at Kau (Waiohinu) reports many earthquake shocks on the 10th and 11th; at least 50 felt on 1/10-11, the majority slight; shocks of rotary motion at regular intervals	WKC, 1992, p. 29; PCA, 1/22/1907; HEB, 1/12/1907; HS, 1/12; 22/1907; HG, 1/18/1907; HEB, 1/31/1907
1/11/07	10:30					ml swr?													felt	Lyman notes: a slight tremor [felt in Hilo] during the day; Warshauer notes: do; five shocks felt there [Waiohinu] between the hours of 10 and 11 o'clock. At Pahala the shaking of the earth is almost continuous.	do; HEB, 1/11/1907; HS, 1/12; 22/1907
1/12/07	12:00					kona??													felt	Warshauer notes: There was quite a shock on Saturday [Jan. 12] felt at Holualoa.	time assumed; HEB, 1/18/1907
1/15/07																				Warshauer notes: slight quakes being felt all over the island since eruption began; 200 at Pahala, 6 to 80 at other places, none felt aboard ship; 53 distinct shocks at Punaluu on Tuesday last [Jan. 15].	HS, 1/18/1907
1/16/07	7:30					ml swr?													felt	Warshauer notes: The flow, which was accompanied by frequent severe earthquakes, started at 7:30 a.m. on January 16 and the eruption ceased on January 31.; a light shock [time not given] felt at Waiohinu	PCA, 1/15, 22/1907; HS, 1/22/1907
1/19/07	23:59					ml swr?													felt	Warshauer notes: Earthquake shocks were felt during the week [ending January 19] at a number of stations in the western and southern portions of Hawaii.	PCA, 1/22/1907
1/31/07																				Warshauer notes: . . . the eruption ceased on January 31.	PCA, 1/15/1907; Mauna Loa sw rift eruption ends
3/2/07	17:45					east hawaii													felt	Lyman notes: 2 shocks + tremble [felt in Hilo]	not found on hon film record; WKC, 1992, p. 29; not found in HH, HT or PCA
4/2/07	0:43					oahu?													felt	Warshauer notes: Various credible citizens say they felt an earthquake moving west to east and lasting three to seven seconds at 12:43 o'clock Tuesday morning [Honolulu]	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film record; PCA, 4/4/1907; not found in MN

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4/15/07																					Wood/1917 chart 2, p. 118: activity in Halemaumau diminished to extinction on April 15-16/1907
4/25/07	0:30					kauai													felt	Warshauer notes: A slight shock of earthquake is reported to have been felt on Lihue, Kauai, Thursday morning	PCA, 4/26/1907
5/11/07	7:35					kohala?								< 5.3			3.76	int	IV	Warshauer notes: Earthquakes were reported on the morning of the 11th from the following stations on Hawaii: Kohala Mill, a double one at 8:24; Kohala Mission, 7:38; Niluii, slight, 8:00; Waimea, 7:40, and, heavy, 7:30.	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film record-record disturbed; PCA, 5/21/1907; not found in HH or HT [probably same event-plantation time in effect]
5/12/07																					Wood/1917 chart 2, p. 118: renewed activity in Halemaumau; continues to mid-August
6/11/07	3:40					hilea?								< 5.27			4.50	int	IV-V?	Lyman notes: a 2 shock mild shake; Warshauer notes: heavy shocks of earthquakes at 3:43 on Hawaii; also felt at Paauilo, Laupahoehoe, Naalehu-heavy, and Kealakekua; Honuapo-most severe shake, about 40 sec; also felt at Hilo, Kona and Waiohinu	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film-disturbed rec; no mention in VHR entry on this date; WKC, 1992, p. 29; PCA, 6/15; 18/1907; HS & HEB, 6/14/1907; not in MN, HH or HT; possible analog to quake of 8/20/24 (WK, p. 31)
6/11/07	4:00					hilea?											3.76	int	IV?	Lyman notes: a 1 shock mild shake; Warshauer notes: heavy shock at 3:58 on Hawaii; longer and less violent than preceding at Honuapo, also felt at Hilo, Kona and Waiohinu	aftershock; no mention in VHR entry on this date; WKC, 1992, p. 29; PCA, 6/15, 18/1907; HS & HEB, 6/14/1907
7/5/07	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
7/25/07	8:20					hilea?													felt	Lyman notes: a slight shake [felt at Hilo]; Warshauer notes: Earthquake occurred at Naalehu, about 8 a.m. of the 25th	no mention in VHR entry on this date; WKC, 1992, p. 29; PCA, 8/6/1907; not found in HEB or HT
7/28/07	0:00					east hawaii													felt	Lyman notes: a slight shake [felt at Hilo] sometime last night	time assumed; WKC, 1992, p. 29; not found in HEB, HH, HT or PCA
7/31/07	8:45					hualalai?													felt	Warshauer notes: Earthquake felt at Waimea and Kealakekua (Wallace) at 8:45 a.m. of the 31st	PCA, 8/6/1907
9/5/07	18:52					kl sf?								5.16			5.16	hono	V	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
9/5/07	18:52					do								do			do	do	do	Warshauer notes: slight at volcano; lively shock in Hilo at 6:42 p.m., lasted a few seconds, with a long steady motion that swayed houses, spilled liquids, few articles moved; distinct shock at Shipman's ranch, most severe in many years	HH, 9/12/1907; PCA, 9/13/1907 [Friday cited -should be Thursday to agree with Honolulu and other newspapers]; see bib for complete felt report
9/5/07	18:52					do													felt	Warshauer notes: sharp earthquake shock felt at Hilo, no damage; felt at Kealakekua (Davis), 5th, 7:00 p.m., 1-3 second; Kealakekua (Wallace), 5th, 6:45 p.m., several seconds, not severe; Ookala, several light ones	HT, 9/10/1907; PCA, 9/18/1907
9/5/07	19:12					kl sf??													felt	Warshauer notes: a lighter shock [than one above] felt at Shipman's ranch	aftershock; HH, 9/12/1907; not found in PCA or HEB
9/5/07	19:43					kl sf??													felt	Lyman notes: a slight shock	aftershock; WKC, 1992, p. 29; not found in HT, HG, HEB or PCA
9/6/07	0:30					kl sf??									5.3	int	5.3	int	V	Lyman notes: a slight shock [felt at Hilo]; Warshauer notes: a third shock felt at Shipman's ranch at night that waked the entire family	aftershock; not found on hon film record; WKC, 1992, p. 29; HH, 9/12/1907; not found in HT, HG, HEB or PCA

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9/6/07	19:10					mauna kea?													III-IV	Warshauer notes: a sharp, rotary shock felt at Paauilo	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film record; PCA, 9/18; not found in HG, HEB, HT or HH
9/6/07	19:25					mauna kea?													felt	Warshauer notes: a light shock felt at Paauilo; several light ones at Ookala [no date or time--probably correspond to the several reported from Paauilo]	PCA, 9/18/1907; not found in HG, HEB, HT or HH
9/6/07	20:00					mauna kea?													felt	Warshauer notes: a light shock felt at Paauilo	PCA, 9/18/1907; not found in HG, HEB, HT or HH
9/6/07	23:00					mauna kea?													felt	Warshauer notes: a light shock felt at Paauilo	PCA, 9/18/1907; not found in HG, HEB, HT or HH
9/7/07	1:00					mauna kea?													felt	Warshauer notes: a light shock felt at Paauilo	PCA, 9/18/1907; not found in HG, HEB, HT or HH
9/7/07	9:00					mauna kea?													felt	Warshauer notes: a light shock felt at Paauilo	PCA, 9/18/1907; not found in HG, HEB, HT or HH
9/16/07	20:45					mauna kea?													felt	Lyman notes: a shock [felt at Hilo]; Warshauer notes: An earthquake shock was felt at 8:15 p. m. of the 16th, at Waimea [same event?]	not found on hon film record; WKC, 1992, p. 29; PCA, 9/24/1907; not found in HT or HH
9/20/07	19:35					mauna kea?											3.76	int	IV-V?	Warshauer notes: Puakea ranch, evening-slight; Laupahoehoe, 8:20 PM-light; Waimea, 7:35 PM-stiff; about 3 weeks ago [from Oct. 8] a quake at Kukuihaele caused a large crack to form under a warehouse, which then settled from 8 to 9 inches	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film record; PCA, 10/1, 8/1907; not found in HH or HT
10/9/07	17:45					hualalai?													felt	Warshauer notes: Earthquakes were felt between 5:40 and 5:50 p.m. of the 9th at Kohala mill (double), Waimea (hard) and Kealakekua (Davis and Wallace)-all on Hawaii	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film record; PCA, 10/15/1907; not found in HH or HT
11/30/07																					Wood/1917 chart 2, p. 118: renewed activity in Halemaumau; beginning of continuous activity until collapse of 5/1924
12/19/07	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]
12/19/07	20:55					do								do			do	do	do	Warshauer notes: There was a sharp earthquake vibration in Lahaina [Maui] at 9 p.m.; two distinct shocks in Molokai, felt as if underfoot; felt on Hawaii at Kaueeleau [Puna], Naalehu [30 sec], Kona, 2-3 sec severe and long, and Kihei [Maui], 20 sec	PCA, 12/23; 24; 31/1907
12/19/07	20:55					do								do			do	do	do	Warshauer notes: double earthquake at Weather Bureau [Honolulu] at 8:51 p.m.; Kohala [several locations], violent, shaking buildings; Honokaa, 10-15 sec, Ookala, severe; Laupahoehoe and, heavy;	PCA, 12/25/1907;
12/19/07	20:55					do								do			do	do	do	Warshauer notes cont.: Maui--Huelo and Puunene, 30 sec; Wailuku, two shocks with but an instant between, 8-10 sec, 2nd heavier, like a tremor; Kaanapali, severe; Oahu--Waianae and Ewa, light; Molokai--Mapulehu, light, NE; Molokai Ranch, sharp	PCA, 12/25/1907;
12/19/07	20:55					do								do			do	do	do	Warshauer notes: long sustained shock felt in Hilo and all over the island of Hawaii, premonitory rumble, duration 15-25 sec, no damage; felt in Honokaa and throughout Kohala; shook bottles from shelves in Hilo, very sharp in Laupahoehoe and Honokaa	HT, 12/24/1907; HH, 12/26/1907

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12/30/07	18:30					north hawaii													felt	Warshauer notes: An earthquake felt at Waimea, Hawaii, at 6:30 PM of the 30th	not found on hon film record; PCA, 1/7/1908
1/15/08	23:59					east hawaii													felt	Warshauer notes: three slight earthquakes felt at Hilo, almost coincidentally with the tidal phenomena on the Kona and Kohala coasts	not found on hon film record; HT, 1/19/1908; not found in HH [no date or time--"last week"]
1/25/08	13:45					north hawaii													felt	Warshauer notes: Waimea, Hawaii, reports an earthquake felt at 1:45 p.m. of the 25th	PCA, 2/4/1908; not found in HT or HH
3/4/08	20:25					mauna kea?													felt	Warshauer notes: A light earthquake shock felt at Hakalau, Hawaii 8:25 p.m. of the 4th	PCA, 3/10/1908; not found in HT or HH
3/5/08	11:14					hilea?								<5.2					felt	Warshauer notes: An earthquake shock was felt at 11:14 a.m. of the 5th at Naalehu, Hawaii	not found on hon film record; PCA, 3/17/1908; not found in HT or HH
3/26/08	20:30					mauna kea?													felt	Warshauer notes: Ookala, Hawaii, reports a slight earthquake shock felt at 8:30 p.m. of the 26th	PCA, 3/31/1908; not found in HT or HH
4/5/08	6:45					east hawaii								<5.5					felt	Lyman notes: a moderate shake [felt at Hilo]	not found on hon film record; WKC, 1992, p. 29; not found in HH, HT, HG or PCA
7/8/08	9:15					mauna kea?											3.76	int	IV?	Warshauer notes: A short and rather violent earthquake shock was felt at Honokaa, Hawaii, at 9:15 a.m. of the 8th	not found on hon film record; PCA, 7/14/1908; not found in HT or HH
7/21/08	9:05					east hawaii													felt	shortly after nine o'clock on Tuesday morning [July 21], a slight shock of earthquake was felt [in Hilo], its direction seemingly being from east to west	not found on hon film record [record being changed]; VHR, v. 5 [quoting Hawaii Herald entry dated 7/23/1908]; not found in HT, HG or PCA
9/1/08																				temporary collapse and quick recovery of Halemaumau, accompanied by earthquakes [around September 1, 1908]	Wood/1917 chart 2, p. 118
9/2/08	12:00					kl cal 05-10?													felt	Warshauer notes: first of several earthquakes felt in Hilo	not found on hon film record; HH, 9/10/1908, p. 1, 5
9/4/08	18:15					kl cal 05-10?													felt	Warshauer notes: an earthquake shock of unusual force was felt in Hilo [following spectacular draining of lava from Halemaumau that afternoon]; The next earthquake felt in Hilo [following the one on Sept. 2] was on Friday evening at 6:15 o'clock	not found on hon film record; PCA, 9/9/1908; HH, 9/10, p. 1, 5; HG, 9/11/1908
9/5/08	18:15					kl cal 05-10?								< 5.22					felt	Warshauer notes: On Saturday afternoon another shock was felt [Hilo] and that night [actually the next night] the volcano was again active and the molten lake was rising. ; A third shock 24 hours later, the strongest of the three, motion east to west	PCA, 9/9, 15/1908; HH, 9/10/1908; not found in HG
9/6/08	8:30					kl cal 05-10?													felt	Warshauer notes: On Sunday morning [Sept. 6], at 8:30 o'clock, a lighter quake was felt.	HH, 9/10/1908
9/6/08	23:00																			Warshauer notes: Halemaumau fills quickly between 11 p.m. Sept. 6 and 1 a.m. Sept. 7	PCA, 9/9?/1908
9/7/08	8:00																			Warshauer notes: Halemaumau drains, beginning at 8 a.m.; filling again by 11 a.m.	PCA, 9/9/1908; HG, 9/11/1908
9/20/08	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
9/20/08	20:15					do														Lyman notes: at 8:07 p.m. a 3 shock quake-stopped clocks-threw down some vases, crockery and pictures some damage in stores, crockery etc., and in cannery warehouse; aftershocks 1 min later, several min later and several slight tremors during night	WKC, 1992, p. 29
9/20/08	20:15					do													felt	Lyman notes cont: [under 1908 Sept. 22] The shock of 8:07 of the 20th was severe all around the island of Hawaii- and felt slightly in Honolulu	WKC, 1992, p. 30

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9/20/08	20:15					do														Warshauer notes: all parts of the Hawaii Island shaken; Puna-houses leveled; Hilo-roads cracked, clocks stopped, buildings swayed, much inside damage, small tsunami; Volcano-severe; Waimea, Punuluu, Holualoa-alarming, no damage;	PCA, 9/22; 28 [repeats HH, 9/24/1908]; 29; 10/4-6; 11; 13/1908, HH, 9/29/1908; HG, 9/22; 29/1908; HEB, 9/21; 24/1908; HH, 9/24/1908; HT, 9/22; 10/6/1908; MN, 9/26/1908
9/20/08	20:15					do													felt	Warshauer notes: also felt on other islands; Paauilo, Hawaii-long duration; shook water out of tanks; Molokai-gentle rocking	PCA, 9/22/1908; HEB, 9/24/1908; HT, 9/29/1908
9/20/08	20:20					kl sf													felt	Warshauer notes: a second, and lighter shock was felt a few minutes after the first one	aftershock; HH, 9/24/1908
9/20/08	21:00					kl sf													felt	Warshauer notes: other shocks felt- 9 p.m.	aftershock; HH, 9/24/1908; HG, 9/22, 29/1908; not found in PCA
9/20/08	23:00					kl sf													felt	Warshauer notes: other shocks-11 p.m.	aftershock; HH, 9/24/1908
9/20/08	23:55					kl sf													felt	Warshauer notes: other shocks felt-near midnight.	aftershock; HH, 9/24/1908
9/21/08	3:00					kl sf													felt	Warshauer notes: other shocks felt-at 3 a.m.	aftershock; HH, 9/24/1908; HG, 9/22; 29/1908; not found in PCA
9/21/08	23:30					kl sf								<5.22			3.76	int	IV	Lyman notes: from 11:30 to 3:30 last night- a dozen or more tremors, 3 of them hard enough to rattle windows a little; Warshauer notes: Shocks were felt slightly on Monday [Sept. 21], and at least six distinct ones Monday night	aftershock; WKC, 1992, p. 29; HH, 9/24/1908; not found in PCA or HG
9/22/08	1:30					kl sf											3.76	int	IV	Lyman notes: from 11:30 to 3:30 last night- a dozen or more tremors, 3 of them hard enough to rattle windows a little; Warshauer notes: Shocks were felt slightly on Monday [Sept. 21], and at least six distinct ones Monday night	aftershock; WKC, 1992, p. 29; HH, 9/24/1908; not found in PCA
9/22/08	3:30					kl sf											3.76	int	IV	Lyman notes: from 11:30 to 3:30 last night- a dozen or more tremors, 3 of them hard enough to rattle windows a little; Warshauer notes: Shocks were felt slightly on Monday [Sept. 21], and at least six distinct ones Monday night	aftershock; WKC, 1992, p. 29; HH, 9/24/1908; not found in PCA
9/22/08	11:20					kl sf													II-III	Lyman notes: slight shake [felt at Hilo]; Warshauer notes: others until Tuesday [Sept. 22] evening so that the earth has been trembly for 48 hours	aftershock; WKC, 1992, p. 29; HH, 9/24/1908; not found in PCA or HG
9/22/08	19:15					kl sf													II-III	Lyman notes: slight shake [felt at Hilo]; Warshauer notes: others until Tuesday [Sept. 22] evening so that the earth has been trembly for 48 hours	aftershock; WKC, 1992, p. 29; HH, 9/24/1908; not found in PCA or HG
9/25/08	5:30					kl sf													felt	Lyman notes: 2 shock quake [felt at Hilo]; Warshauer notes: 3 quakes on Sept. 25	aftershock; WKC, 1992, p. 30; PCA, 10/4; 5; 11/1908; HH, 10/1/1908
9/25/08	13:30					kl sf													felt	Lyman notes: 2 shock quake [felt at Hilo]; Warshauer notes: 3 quakes on Sept. 25	aftershock; WKC, 1992, p. 30; PCA, 10/5/1908; HH, 10/1/1908
9/25/08	23:59					kl sf													felt	Warshauer notes: 3 quakes [felt] on Sept. 25	time assumed; aftershock; PCA, 10/5/1908; HH, 10/1/1908
9/26/08	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
9/26/08	20:30					kl sf													felt	Lyman notes: tremor; Warshauer notes: only two slight shocks reported felt in Hilo on this day	aftershock; WKC, 1992, p. 30; PCA, 10/5/1908; HH, 10/1/1908
9/26/08	20:55					kl sf													felt	Lyman notes: tremor; Warshauer notes: only two slight shocks reported felt in Hilo on this day	aftershock; WKC, 1992, p. 30; PCA, 10/5/1908; HH, 10/1/1908
9/28/08	5:00					kl sf													felt	Warshauer notes: slight shock felt in Hilo	time assumed; aftershock; PCA, 10/5/1908; HH, Oct., 1/1908
9/29/08	3:00					kl sf													felt	Warshauer notes: slight shock felt in Hilo	aftershock; PCA, 10/5/1908; HH, 10/1/1908
9/30/08	5:20					kl sf											3.76	int	IV	Lyman notes: a slight shock and a 2nd harder shock [felt in Hilo]; Warshauer notes: At 5:16 yesterday morning there was a short but very sharp quake that . . . extended the cracks in the plaster at the Hilo Bank	aftershock; not found on hon film record; WKC, 1992, p. 30; HH, 10/1/1908; not found in PCA

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10/5/08	18:37					mauna kea?													felt	Warshauer notes: Two moderate earthquake shocks were felt at Honokaa, Hawaii, 6:37 p.m. on the 5th	not found on hon film record; PCA, 10/14/1908; not found in HH or HT
10/9/08	5:00					north hawaii													felt	Warshauer notes: At Kealakekua (Wallace), and Kohala Mill, Hawaii, a light shock was felt at 5:00 a.m. of the 9th [presumably corresponds to one of the nine shocks felt at Laupahoehoe-see below]	not found on hon film record; PCA, 10/20/1908
10/9/08	11:59					mauna kea?													felt	Warshauer notes: nine shocks felt at Laupahoehoe during the forenoon of the ninth	PCA, 10/20/1908
10/13/08	12:00					mauna kea?													felt	Warshauer notes: Two shocks felt at Laupahoehoe on the 13th	time assumed; PCA, 10/20/1908; not found in HH or HT
10/20/08	9:20					east hawaii													felt	Lyman notes: a shake [felt at Hilo]	WKC, 1992, p. 30; not noted in HH, 10/22/1908; not found in PCA or HG
10/20/08	10:00					east hawaii													III	Lyman notes: a moderate shake [felt at Hilo]; Warshauer notes: At 9:55 o'clock Tuesday morning there was an earthquake shock in Hilo, short but distinct.	not found on hon film record [poorly exposed]; WKC, 1992, p. 30; HH, 10/22/1908; not found in PCA or HG
10/21/08	6:20					east hawaii													felt	Warshauer notes: At 6:20 yesterday morning there were two shocks [felt at Hilo]	HH, 10/22/1908; not found in PCA or HG
10/24/08	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
10/27/08	22:00					west hawaii?								<5.1					felt	Warshauer notes: [cont. from previous entry]: 27th, and all felt about 10:00 p.m.--Kohala Mill, light, Kohala Mission; Kukuihaele, light; Kealakekua (Wallace), first, light, second heavier; Kealakekua (Davis) lasting three seconds, and Naalehu	not found on hon film record; PCA, 11/4/1908; not found in HG
10/29/08	1:30					east hawaii													II-III	Lyman notes: a slight shock [felt at Hilo]	WKC, 1992, p. 30; not found in HH, HT, HG or PCA
11/7/08	15:16					mauna kea?													felt	Warshauer notes: A slight earthquake shock was felt at 3:16 p.m. on the 7th, at Kukuihaele, Hawaii	PCA, 11/17/1908
11/17/08	3:00					kohala?													felt	Warshauer notes: A slight earthquake shock was felt at Kohala Mill, Hawaii about 3:00 a.m. of the 17th	PCA, 11/24/1908; not found in HH or HT
11/25/08	9:35					east hawaii											3.76	int	IV	Lyman notes: a moderately smart shock [felt at Hilo]	not found on hon film record; WKC, 1992, p. 30; not found in HH, HT, HG or PCA
11/27/08	5:30					kauai													felt	Warshauer notes: A slight earthquake shock was felt at 5:30 a.m. of the 27th, at Makaweli, Kauai	not reported in Hon Station Bulletin (Hazard, 1911); PCA, 12/1/1908
12/6/08	7:50					hawaii?													III?	Lyman notes: a long tremble with 2 or 3 slight shocks; Warshauer notes: A slight earthquake shock was felt at about 8:00 p.m. on the 6th, at quite a number of stations on Hawaii. Honokaa describes the motion as long and swaying	not reported in Hon Station Bulletin (Hazard, 1911); not found on hon film record-disturbed record; WKC, 1992, p. 30; PCA, 12/15/1908; not found in HH or HT
12/14/08	16:35					east hawaii													felt	Lyman notes: 2 shock quake [felt at Hilo]	not found on hon film record; WKC, 1992, p. 30; not found in HH, HT, HG or PCA
12/28/08	13:15					kaoiki?													felt	Warshauer notes: the Big Island experienced an earthquake shock on Monday last [Dec. 28, 1908]; It was between 1 and 1:30 p.m. on Monday when a smart tremor shook the house [Kapapala Ranch]	not found on hon film record; PCA, 1/2/1909; HH, 12/31/1908
12/28/08	20:00					kaoiki?													felt	Warshauer notes: A second shock was felt in the evening, though not so severe as the first one [at 1:15 p.m.]	time assumed; HH, 12/31/1908
1/4/09	12:35					mauna kea?											3.76	int	IV	Lyman notes: a slight shake; Warshauer notes: severe shock, sharp and decisive, at Hilo shortly after noon [Jan. 4]; shocks at 12:30 p.m.; Kohala Mill, sharp; Kealakekua (Wallace), slight; Ookala; Kohala Mission, slight, and Kukuihaele, severe	not reported in Hon Station Bulletin (Hazard, 1912); not found on hon film record; WKC, 1992, p. 30; PCA, 1/5; 12/1909; not found in HH or HT
1/6/09	15:00					kohala?													felt	Warshauer notes cont.: and 6th, [felt at] Kohala Mill, 3 p.m., slight	PCA, 1/12/1909

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1/10/09	22:00					east hawaii													felt	Warshauer notes: A light earthquake was felt at Hilo last Sunday night, and two more have been felt since then	time assumed; PCA, 1/13/1909
1/20/09	18:45					kl ler?													felt	Warshauer notes: A slight earthquake shock was felt at Kapoho, Hawaii, at 6:45 p.m. of the 20th	PCA, 1/26/1909
3/13/09	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]
3/13/09	3:30					do								4.80			do	do	do	Warshauer notes: sharp shock felt in Hilo and throughout Kona early yesterday morning [Mar. 13]; An earthquake shock, which was severe in parts of the island, was felt generally over Hawaii about 3:20 a.m. of the 13th	PCA, 3/14; 23/1909; HEB, 3/13/1909; not found in MN, HH or HT
3/14/09	14:15					east hawaii													felt	Lyman notes: a slight shock [felt at Hilo]	WKC, 1992, p. 30; not in PCA, HG, HH or HT
4/14/09	17:25					kl sf?													felt	Warshauer notes: Kaueleau, Hawaii, reports a sharp earthquake shock felt at 5:25 p.m. of the 14th.	not found on hon film record; PCA, 4/20/1909; not found in HH or HT
6/8/09	7:03					east hawaii													felt	Warshauer notes: A sharp earthquake jolt was felt in Hilo on Tuesday morning, a few minutes after seven o'clock. There was only one shock and it was short, but it left no doubt as to its existence or that its direction was from north to south	not found on hon film record; PCA, 6/14/1909; not found in HH or HT
6/30/09	15:00					unknown											3.76	int	IV?	Lyman notes: a smart single shock [felt at Hilo]	WKC, 1992, p. 30; not found in PCA, HG, HH or HT
7/20/09	22:00					unknown													felt	Lyman notes: a slight shock [felt at Hilo]	time assumed; WKC, 1992, p. 30; not found in PCA, HG, HH or HT
7/21/09	4:30					unknown													felt	Lyman notes: a slight shock [felt at Hilo]	WKC, 1992, p. 30; not found in PCA, HG, HH or HT
8/11/09	22:00					mauna kea?													felt	Warshauer notes: Earthquake shock was felt at Kukuihaele, during the night of the 11th.	time assumed; PCA, 8/17/1909; not found in HH or HT
8/12/09	4:30					kohala?													felt	Warshauer notes: Earthquake shock was felt at Kohala Mission, Hawaii, at 4:30 a.m. of the 12th	PCA, 8/17/1909; not found in HH or HT
9/26/09	22:00					hilea??													felt	Hilo, September 27. Earthquake here on this date; Warshauer notes: An earthquake shock was felt at Naalehu, Hawaii, during the night of the 26th	time assumed; not found on hon film record; ESPHVO, v. 1, p. 15; PCA, 10/5/1909; not found in HH or HT
10/8/09	20:30					west hawaii													felt	repeats information in PCA; Warshauer notes: Earthquake shocks occurred in the Kona districts of Hawaii about 8:30 p.m. of the 8th	not found on hon film record; ESPHVO, v. 1, p. 21; PCA, 10/20/1909; not found in HH or HT
10/8/09	22:00					east hawaii											3.76	int	IV?	Lyman notes: a smart shock [felt in Hilo] preceded by a tremble; Warshauer notes: do	not found on hon film record; WKC, 1992, p. 30; PCA, 10/20/1909; not found in HH or HT
10/9/09	22:00					east hawaii													felt	Lyman notes: a slight shock [felt in Hilo]	time assumed; WKC, 1992, p. 30; not found in PCA, HG, HH or HT
10/18/09	4:30					mauna kea?													felt	At 4:30 Monday a.m. [Oct. 18] a couple of lively earthquakes [felt] at Hilo; Warshauer notes: Earthquakes were reported by Kohala Mission--double--and Kohala Mill, Hawaii about 4:30 a.m. of the 18th	not found on hon film record-noisy; ESPHVO, v. 1, p. 21 [also quotes PCA of 10/26]; PCA, 10/26/1909
10/25/09	12:00					kl cal 0-5													felt	Alice J. Lewis entry dated 21-28 Oct. 1909: felt slight earthquake while sitting on the very rim [Halemaumau]; no time given	time assumed; VHR, v. 6
11/5/09	12:00					kl cal 0-5													felt	Two earthquake shocks felt [at Halemaumau]	time assumed; ESPHVO, v. 1, p. 23
11/6/09	22:00					kl cal 0-5													felt	Another earthquake shock felt at Volcano House	time assumed; ESPHVO, v. 1, p. 23
12/1/09	12:00					hilea?													felt	Warshauer notes: Naalehu, Hawaii--A severe thunderstorm occurred on the first, followed by a [felt] earthquake	time assumed; PCA, 12/8/1909; not in HT

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12/23/09	22:00					east hawaii													felt	Lyman notes: a slight tremble [felt at Hilo]	no mention in VHR entry covering this date; WKC, 1992, p. 30; not found in PCA, HG, HH or HT
12/24/09	7:47					east hawaii											3.76	int	IV?	Lyman notes: a decided shock	do.
1/3/10	7:00					kl sf?													felt	Warshauer notes: An earthquake shock was felt at Kaueleau, Hawaii 7:00 a.m., 3rd	ESPHVO, v. 1, p. 27 [quotes PCA, Jan. 11]; PCA, 1/11/1910; not found in HH or HT
2/13/10	1:30					east hawaii											3.76	int	IV; IV (W&K)	Lyman notes: a sharp short shock N + S. windows rattle	WKC, 1992, p. 30; not found in PCA, HG, HH or HT
2/21/10	6:30					east hawaii											3.76	int	IV	Lyman notes: a moderate 2 shock jar, rattling windows, N + S.	not found on hon film record; no mention in VHR entry covering this date; WKC, 1992, p. 30; not found in PCA, HG, HH or HT
3/3/10	12:00					hilea?													felt	Warshauer notes: Naalehu, Hawaii [reports] light earthquakes felt on the 3rd and 4th	time assumed; PCA, 3/15/1910
3/4/10	12:00					hilea?													felt	do	time assumed; PCA, 3/15/1910
4/19/10	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
4/26/10	21:40					hawaii													felt	Lyman notes: a moderate 2 shock shake, North + South; Warshauer notes: An earthquake shock was felt generally over Hawaii at about 10 p.m. of the 26th. At Kohala mission, the shock was a double one; and at Niulii its movement was from east to west	not reported in Hon Station Bulletin (Hazard, 1912); not found on hon film record; ESPHVO, v. 1, p. 29 [repeats info]; WKC, 1992, p. 30; PCA, 5/3/1910; not found in MN, HH or HT
9/24/10	17:50					kona?													felt	Warshauer notes: Earthquakes were felt on the 24th, 5:50 PM, from Kealakekua (Wallace), Hawaii, with a short and sharp movement; Kealakekua (Davis), Hawaii, reports a quake at 5:50 p.m. of the 25th [same event, one date wrong?]	ESPHVO, v. 1, p. 33 [repeats info]; PCA, 10/4/1910; not found in HH or HT
10/11/10	11:35					east hawaii													felt	Lyman notes: 1 moderate shock [felt at Hilo] E + W	WKC, 1992, p. 30; not found in HG, HH or HT
10/14/10	5:00					east hawaii													felt	Lyman notes: a slight shock [felt at Hilo] and 2 or 3 other shakes during the day	WKC, 1992, p. 30; not found in HG, HH or HT
10/16/10	18:33					mauna kea?													felt	Warshauer notes: Kukuihaele, Hawaii, reports a quick, double, slight earthquake shock felt at 6:33 p.m. of the 16th	PCA, 10/25/1910
10/21/10	13:50					east hawaii								<5.22			3.76	int	IV?	Lyman notes: quite a shock, swaying motion E + W.	W&K mistranscribe time as 13:05; not reported in Hon Station Bulletin (Hazard, 1912); not found on hon film record; WKC, 1992, p. 30; not reported in HG, HH or HT
11/6/10	15:30					east hawaii													felt	Lyman notes: a slight shock [felt at Hilo]	WKC, 1992, p. 30; not found in HG, HH or HT
12/9/10	11:30					kona?													felt	Warshauer notes: Kealakekua (Wallace), Hawaii [reports] an earthquake felt at 11:30 of the 9th	PCA, 12/20/1910
2/6/11	20:56					kaoiki??													felt	Lyman notes: at 8:56 p.m. a moderate shake; Warshauer notes: a slight earthquake shock was felt at Naalehu on the 6th at 8:25 p.m. [same event?]	not found on hon film record; ESPHVO, v. 1, p. 35 [repeats info]; WKC, 1992, p. 30; PCA, 2/14/1911; not found in HH or HT
2/9/11	10:40					hawaii?													felt	Sharp earthquake felt at Volcano House; Lyman notes: a moderate shake long continued; Warshauer notes: A slight earthquake shock occurred at Kohala Mill and Niulii, Hawaii, on the 9th, about 10:40 a.m.	not reported in Hon Station Bulletin (Hazard, 1913); not found on hon film record; ESPHVO, v. 1, p. 35; WKC, 1992, p. 30; PCA, 2/14/1911; not found in HH or HT

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2/10/11	12:00					kl sf?													felt	Warshauer notes: A moderate earthquake shock was felt at Kaueleau, Hawaii, on the 10th	time assumed; not found on hon film record; ESPHVO, v. 1, p. 35 [repeats info]; PCA, 2/23/1911; not found in HH or HT
2/21/11	0:05					kohala?													felt	Warshauer notes: Earthquake shocks were felt at Kohala Mission and Kohala Mill, Hawaii, just after midnight on the 21st	PCA, 2/28/1911
3/8/11	21:30					kl sf?													felt	Warshauer notes: Kaueleau, Hawaii [reports] a sharp earthquake shock felt at 9:30 p.m. of the 8th	not found on hon film record; PCA, 3/14/1911; not found in HH or HT
5/2/11	4:10					kohala?													felt	Lyman notes: several tremors this week [4/24-30?]; Warshauer notes: A short, sharp earthquake was felt in the North Kohala District of Hawaii at 4:10 a.m. of the 2nd	ESPHVO, v. 1, p. 35 [repeats info]; WKC, 1992, p. 30; PCA, 5/10/1911; not found in HH or HT
5/13/11	19:20					kl sf?													felt	Warshauer notes: At Kaueleau, Hawaii, there was an earthquake shock at 7:20 p.m. of the 13th	not found on hon film record; PCA, 5/23/1911; not found in HH or HT
5/16/11	3:20					east hawaii													felt	Lyman notes: a slight shake [felt at Hilo] N + S	no mention in VHR entry covering this date; WKC, 1992, p. 30; not found in PCA, HG, HH or HT
6/30/11	23:59					east hawaii													felt	Lyman notes: June; a slight shake [felt at Hilo], no date or time given	WKC, 1992, p. 30
7/1/11	15:25					east hawaii											3.76	int	IV	Lyman notes: a smart shock [felt at Hilo]	not found on hon film record; WKC, 1992, p. 30; not found in PCA, HG, HH or HT; [event in hon station bulletin at 11:45 HST]
7/8/11	5:00					kl sf?													felt	Warshauer notes: Kaueleau, Hawaii, reported an earthquake shock felt at 5:00 a.m. of the 8th	not found on hon film record; PCA, 7/19/1911; not found in HH or HT
7/9/11	9:30					kl sf?													felt	Warshauer notes: Kaueleau, Hawaii, reported an earthquake shock felt at 9:30 a.m. of the 9th	not found on hon film record; PCA, 7/19/1911; not found in HT
7/14/11	11:30					maui deep?								5.91			5.91	hono	V?	Hon notes: local shock; Lyman notes: long 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 generally, not at Halemaumau	no mention in VHR of this date; Hazard, 1913 [Hon 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
7/14/11	11:40					maui deep?													felt	The two earthquake shocks on July 14th were not felt at [Halemaumau]; Lyman notes: several moderate shocks consecutive	aftershock; ESPHVO, v. 1, p. 40; WKC, 1992, p. 30 [aftershocks lost in main trace at Honolulu]
7/24/11	22:00					kl cal 0-5?													felt	J.F. Rock entry dated 3 Aug. 1911: . . . the lake sank considerable and is still sinking. 3 distinct earthquakes were felt, two in the night of July 24th and one during the day of July 29th	time assumed; not found on hon film record; VHR, v. 6; [not found in HG, HT or HH]
7/25/11	10:32					kl cal 0-5?											3.00	int	III-IV (Halemaumau)	a shock of the third to fourth magnitude (Mercalli) was felt at the station [Halemaumau]; Warshauer notes: distinctly felt at Halemaumau, immediately followed by a rapid drop [of twelve feet] in the surface of the molten lava.	not found on hon film record; ESPHVO, v. 1, p. 40; HH, 7/27/1911; not found in HG
7/29/11	12:00					kl cal 0-5?													felt	J.F. Rock entry dated 3 Aug. 1911: . . . the lake sank considerable and is still sinking. 3 distinct earthquakes were felt, two in the night of July 24th and one during the day of July 29th	time assumed; not found on hon film record; VHR, v. 6; not found in HG, HT or HH
8/1/11																				Perret sets up seismoscope at observing station on rim of Halemaumau; records seismicity associated with rising and falling lake level and development of fountains	ESPHVO, v. 1, p.42
8/7/11	12:00					kl cal 0-5?													felt	two distinct shocks were felt at Volcano House [no times given]	time assumed; not found on hon film record; ESPHVO, v. 1, p. 40
8/25/11	6:50					kl mer?													felt	a strong series of earthquake shocks [at Halemaumau] on the 25th, accompanying rapid but temporary rise of lava column; two shocks in quick succession [felt at Halemaumau]	not found on hon film record; ESPHVO, v. 1, p. 44-45; HT, 8/29/1911; PCA, 8/31/1911; HG, 9/1/1911

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
8/25/11	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
8/25/11	8:10					kl mer?													felt	a moderate shock [felt at Halemaumau]	not found on hon film record; ESPHVO, v. 1, p. 44-45; do
8/25/11	14:10					kl mer?													felt	a slight shock [felt at Halemaumau]	not found on hon film record; ESPHVO, v. 1, p. 44-45; do
8/25/11	14:35					kl mer?													felt	a slight shock [felt at Halemaumau]	not found on hon film record; ESPHVO, v. 1, p. 44-45; do
12/26/11	14:00					kl cal 0-5?											3.76	int	IV	slight earthquake shocks reported felt in vicinity of crater [Halemaumau]; Warshauer notes: On Tuesday afternoon three earthquakes rattled crockery in the Volcano House and the lava lake sank 20 feet.	time assumed; not found on hon film record; no mention in VHR entry covering this date; ESPHVO, v. 1, p. 57; HH, 12/28/1911; not found in HG or HT
12/26/11	15:00					kl cal 0-5?											3.76	int	IV	slight earthquake shocks reported felt in vicinity of crater [Halemaumau]; Warshauer notes: On Tuesday afternoon three earthquakes rattled crockery in the Volcano House and the lava lake sank 20 feet.	time assumed; not found on hon film record; no mention in VHR entry covering this date; ESPHVO, v. 1, p. 57; HH, 12/28/1911; not found in HT
12/26/11	16:00					kl cal 0-5?											3.76	int	IV	slight earthquake shocks reported felt in vicinity of crater [Halemaumau]; Warshauer notes: On Tuesday afternoon three earthquakes rattled crockery in the Volcano House and the lava lake sank 20 feet.	time assumed; not found on hon film record; no mention in VHR entry covering this date; ESPHVO, v. 1, p. 57; HH, 12/28/1911; not found in HT
1/31/12	15:00					kl cal 0-5?													felt	felt at Halemaumau	ESPHVO, v. 1, p. 65
1/31/12	18:00					kl cal 0-5?													felt	felt at Halemaumau	ESPHVO, v. 1, p. 65
3/16/12	7:25					kl cal 0-5?													felt	felt at Volcano House	no mention in VHR entry covering this date; ESPHVO, v. 1, p. 76; not reported in HG or HH
3/20/12	1:00					kl cal 0-5?													felt	felt at Volcano House	ESPHVO, v. 1, p. 76; not reported in HG or HH
4/10/12	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]
4/17/12	17:10					south hawaii								< 5.2			3.76	int	IV	Lyman notes: a shake that rattled windows + iron roof; Warshauer notes: At 5:08 p.m. Hilo trembled with the heaviest quake since 1899; 5 second duration; motion north to south; buildings shook but no damage; felt at several other places on the island	not reported in Hon Station Bulletin (Hazard, 1913); not found on hon film record; not mentioned in ESPHVO supp. (Jaggar, 1947); WKC, 1992, p. 31; HH, 4/18/1912
5/5/12	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
5/14/12	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
5/22/12	23:00					kl sf?								< 5.33			5.90	int	VI-VII	quake felt [Volcano-no date] and elsewhere in Hawaii; Warshauer notes: heaviest shake in years [Hilo], tidal waves in ponds, livestock terrorized, little damage, brief but distinct in Kau, west to east, duration 7 sec; many smaller events earlier in week	not reported in Hon Station Bulletin (Hazard, 1913); not found on hon film record; ESPHVO supp. (Jaggar, 1947, p. 15); PCA, 5/24; 27/1912; HT, 5/28/1912; HH, 5/30/1912; [int dist analog to kl sf events of 3/54 and 9/79?]

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/12	23:30					east hawaii													felt	Lyman notes: two shocks [felt at Hilo]; Warshauer notes: recent shocks mentioned, no dates or times given	WKC, 1992, p. 31 ; HG, 6/7/1912; PCA, 6/7/1912; not reported in HH, HT, HEB or HS
6/13/12																				H.O. Wood returns with T.A. Jaggar to run Whitney Laboratory of Seismology; seismometers installed in July; systematic earthquake reports begin in September 1912	ESPHVO supp (Jaggar, 1947, p. 8, 16, 22-23)
7/6/12																				Warshauer notes: ordinary [strong-motion] seismograph installed	PCA, 7/6/1912
7/11/12																				seismograph traces can distinguish harmonic tremor (fountaining or gas release in the lava column), spasmodic tremor (what we now call l-p earthquakes), and avalanche tremors (associated with Halemaumau rockfalls)	ESPHVO supp (Jaggar, 1947, p. 25)
8/1/12	13:48					south hawaii														a local earthquake	ESPHVO supp (Jaggar, 1947, p. 2)
8/11/12	15:07					hilea?					45.0	vf-f?	3.61				3.61	desp	III	a local earthquake, distinctly felt at Waiohinu, sharply indicated on seismographs; possibly perceived as gentle swaying at Volcano House, not felt at HVO	ESPHVO supp (Jaggar, 1947, p. 33) [intensity interpreted from felt report and/or mag class]; information repeated in HT, 8/20/1912; not found in HH
8/24/12	18:16					kilauea					10.0	f?	2.83				2.83	desp	III	a local earthquake, marked shock, strongly registered on the high-magnification tromometer, registered plainly on the ordinary seismograph; not perceptible at volcano house	ESPHVO supp (Jaggar, 1947, p. 34) [intensity interpreted from felt report and/or mag class]
9/2/12	3:10					mauna kea??					50.0	vf?	2.93				2.93	desp	IV (Hilo)	time approximate, not perceived locally; too feeble to start ordinary seismograph; Lyman notes: no time; a slight shake awakened us in the night	ESPHVO supp (Jaggar, 1947, p. 36) [very feeble; intensity interpreted from felt report and/or mag class]; WKC, 1992, p. 31; not reported in HH
9/4/12	0:25					kilauea?					10.0	vf?	1.82				1.82	desp		slightly stronger than preceding, barely started ordinary seismograph; near-by origin, not perceptible	ESPHVO supp (Jaggar, 1947, p. 36); not reported in HH
9/12/12																				Principal tromometer tuned and adjusted to have period of 20 seconds and magnification of 200	ESPHVO supp (Jaggar, 1947, p. 39)
9/12/12	10:50					kl cal 0-5??					3.6	vf?	1.11				1.11	nomo		very feeble earthquake of local origin; did not start ordinary seismograph	ESPHVO supp (Jaggar, 1947, p. 39); repeated in HT, 9/24/1912; not found in PCA, HG, HSB or HH
9/12/12	11:09					kl cal 0-5??					3.6	vf?	1.11				1.11	nomo		very feeble earthquake of local origin; did not start ordinary seismograph	do
9/12/12	16:03					kl cal 0-5??					3.6	vf?	1.11				1.11	nomo		very feeble earthquake of local origin; did not start ordinary seismograph	do
9/12/12	20:40					kl cal 0-5??					3.6	vf?	1.11				1.11	nomo		very feeble earthquake of local origin; did not start ordinary seismograph	do
9/13/12	23:20					kl cal 0-5??					3.6	f?	2.12				2.12	nomo		somewhat stronger [than preceding four quakes]	ESPHVO supp (Jaggar, 1947, p. 39); repeated in HT, 9/24/1912; not found in PCA, HG, HSB or HH [intensity interpreted from felt report and/or mag class]
9/15/12	23:59					south hawaii?													III	felt by several persons; not recorded due to seismometer calibration (see above)	ESPHVO supp (Jaggar, 1947, p. 39) [no date or time given within week, presumably after 9/13]; not reported in HH
9/16/12	20:37					south hawaii						f?							II	felt by T.A. Jaggar, but not by others at Volcano House; feeble shock, motion in a SW to NE direction	ESPHVO supp (Jaggar, 1947, p. 39)
9/20/12	5:06					kl sf??					32.0	f	3.64				3.64	nomo	felt	felt fairly strongly in Hilo, not at HVO, did not start ordinary seismograph	ESPHVO supp (Jaggar, 1947, p. 42) ; no entry in Lyman diary; not reported in HH
10/1/12	22:00					south hawaii						f?								evening of 9/30-10/1; no time because of seismometer malfunction; started ordinary seismograph	time assumed; ESPHVO supp (Jaggar, 1947, p. 42)
10/10/12																				chronometer arrived	ESPHVO supp (Jaggar, 1947, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/11/12	21:27					kl cal 0-5?					3.6	vf	1.11				1.11	nomo		focus very near, possibly within active cistern of volcano	ESPHVO supp (Jaggar, 1947, p. 44) [duration 45 sec]
10/12/12	10:30					unknown						vf								feeble shock, no distance to origin	ESPHVO supp (Jaggar, 1947, p. 44)
10/13/12	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
10/13/12	5:45					do								do			do	do	do	Warshauer notes: A severe earthquake was felt throughout Maui at 5:30 a.m. The shock was felt throughout the island of Hawaii and all over Honolulu. especially strong in the Kaimuki district; felt throughout group, most severe on Maui	PCA, 10/15/1912; MN, 10/19/1912; not reported in HH or HT
10/13/12	16:03					alenuihaha deep?					136.0	vf?	3.63				3.63	nomo		distinctly registered, not perceptible; duration 1 min 7 sec	aftershock; ESPHVO supp (Jaggar, 1947, p. 44) [amplitude assumed from mag class]
10/14/12	6:48					alenuihaha deep?														very weak shock, duration 1 min 3 sec	aftershock; ESPHVO supp (Jaggar, 1947, p. 44) [amplitude assumed from mag class]; PCA, 10/21/1912
10/14/12	23:38					kl cal 0-5?					3.6	vf?	1.11				1.11	nomo		A swarm of eight earthquakes in rapid succession; none perceptible; place of origin indeterminate; a very feeble shock; Warshauer notes: A swarm of earthquakes were recorded at HVO during the past eight days [beginning Oct. 14].	ESPHVO supp (Jaggar, 1947, p. 44) [amplitude assumed from mag class]
10/15/12	1:20					kl cal 0-5?					3.6	vf?	1.11				1.11	nomo		do. definitely a shock	ESPHVO supp (Jaggar, 1947, p. 44) [amplitude assumed from mag class]
10/15/12	1:33					kl cal 0-5?					3.6	f?	2.12				2.12	nomo		do. well-marked	ESPHVO supp (Jaggar, 1947, p. 44) [amplitude assumed from mag class]
10/15/12	4:42					kl cal 0-5?					3.6	f-s?	2.45				2.45	nomo		do. started the ordinary seismograph, not perceptible	ESPHVO supp (Jaggar, 1947, p. 44) [amplitude assumed from mag class]
10/15/12	5:06					kl cal 0-5?					3.6	vf?	1.11				1.11	nomo		do. possibly a group of volcanic tremors	ESPHVO supp (Jaggar, 1947, p. 45) [amplitude assumed from mag class]
10/15/12	6:02					kl cal 0-5?					3.6	f?	2.12				2.12	nomo		do. definitely a shock	ESPHVO supp (Jaggar, 1947, p. 45) [amplitude assumed from mag class]
10/15/12	6:34					kl cal 0-5?					3.6	vf?	1.11				1.11	nomo		do. possibly volcanic tremors	ESPHVO supp (Jaggar, 1947, p. 45) [amplitude assumed from mag class]
10/15/12	7:08					kl cal 0-5?					3.6	vf	1.11				1.11	nomo		do. possibly volcanic tremors	ESPHVO supp (Jaggar, 1947, p. 45) [amplitude assumed from mag class]
10/17/12	6:30					unknown						vf								time given as 5-8 am	ESPHVO supp (Jaggar, 1947, p. 45) [amplitude assumed from mag class]
10/18/12	12:10					hilea??					48.0	0.05 mpu	2.56				2.56	nomo		duration 1 min 48 sec	ESPHVO supp (Jaggar, 1947, p. 45)
10/20/12	10:49					unknown					0.0	0.025								duration 46 sec	ESPHVO supp (Jaggar, 1947, p. 45);
10/20/12	13:57					hilea??					40.0	0.009	1.43				1.43	nomo		duration 52 sec	ESPHVO supp (Jaggar, 1947, p. 45-46);
10/20/12	16:32					hilea??					40.0	0.008	1.36				1.36	nomo		duration 54 sec	ESPHVO supp (Jaggar, 1947, p. 46);
10/21/12	8:26					unknown					0.0	0.017								possibly group of volcanic tremors; duration 44 sec	ESPHVO supp (Jaggar, 1947, p. 46)
10/21/12	15:41					unknown					0.0									duration 29 sec	ESPHVO supp (Jaggar, 1947, p. 46);
10/22/12	11:15					unknown					0.0	0.017								ambiguous character; duration 1 min 07 sec	ESPHVO supp (Jaggar, 1947, p. 46)
10/23/12	4:52					kl cal deep??					29.6	0.02	1.69				1.69	nomo		duration 32 sec	ESPHVO supp (Jaggar, 1947, p. 46)
10/24/12	7:00					unknown					0.0	1								greater energy than previous event; started ordinary seismograph but wrote no distinguishable record	time assumed; ESPHVO supp (Jaggar, 1947, p. 46); after 00:50, probably before 9 am
10/25/12	11:42					kaoiki?					19.2	0.007	0.77				0.77	nomo		duration 30 sec	ESPHVO supp (Jaggar, 1947, p. 46;
10/26/12	7:30					unknown					0.0	0.007								3 shocks between 7:30 and 9:15 am, all similar in energy to preceding shock; times lost due to stopping of station clock	ESPHVO supp (Jaggar, 1947, p. 46); time for this and next two quakes given as between 7:30 and 9:15 am
10/26/12	8:15					unknown						0.007								do.	do.
10/26/12	9:00					unknown						0.007								do.	do.
10/27/12	18:32					unknown					0.0	0.028								light shock; duration 1 min	ESPHVO supp (Jaggar, 1947, p. 46)

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/28/12	4:53					hilea??					49.6	0.033	2.34				2.34	nomo		duration 1 min 06 sec	ESPHVO supp (Jaggar, 1947, p. 46)
10/31/12	22:46					unknown					0.0	0.053								very slight; duration 1 min 19 sec	ESPHVO supp (Jaggar, 1947, p. 48)
11/1/12	10:28					hilea??					41.6	0.025	2.06				2.06	nomo		very slight; duration 26 sec	ESPHVO supp (Jaggar, 1947, p. 48)
11/1/12	11:30					hilea??					41.6	0.029	2.15				2.15	nomo		very slight; duration 23 sec	ESPHVO supp (Jaggar, 1947, p. 48)
11/7/12	14:15					hilea??					44.8	0.029	2.20				2.20	nomo		slight; duration 36 sec	ESPHVO supp (Jaggar, 1947, p. 51)
11/8/12	3:01					kaoiki??					24.0	0.045	2.02				2.02	nomo		slight; duration 1 min 08 sec	ESPHVO supp (Jaggar, 1947, p. 51)
11/9/12	16:14					kl sf??					22.4	0.059	2.13				2.13	nomo		slight; duration 1 min 10 sec	ESPHVO supp (Jaggar, 1947, p. 51)
11/12/12	20:57					a2530					29.6	0.008	1.15				1.15	nomo		slight; duration 47 sec	ESPHVO supp (Jaggar, 1947, p. 51)
11/15/12	12:09					kl sf?					17.6	0.2	2.68				2.68	nomo	felt	moderate; duration 1 min 19 sec; felt at Hilo as a feeble tremor, not perceived locally; origin appears nearer to HVO than to Hilo	ESPHVO supp (Jaggar, 1947, p. 52); not mentioned in Lyman diary; not reported in HH
11/21/12	3:07					a2530					28.8	0.07	2.41				2.41	nomo		very feeble; duration 2 min?; [ending time given as 3:39:33 am, misprint?]	ESPHVO supp (Jaggar, 1947, p. 52)
11/22/12	6:45					hilea??					43.2	0.2	3.30				3.30	nomo		slight?; duration 27 sec	ESPHVO supp (Jaggar, 1947, p. 52)
11/26/12	9:31					kl sf??					22.4	0.2	2.85				2.85	nomo		slight?; duration 55 sec	ESPHVO supp (Jaggar, 1947, p. 52)
11/30/12	13:56					a2530					27.2	0.06	2.28				2.28	nomo		extremely feeble; duration 1 min 26 sec	ESPHVO supp (Jaggar, 1947, p. 55)
11/30/12	17:02					hilea??					48.0	0.07	2.76				2.76	nomo		extremely feeble; duration 54 sec	ESPHVO supp (Jaggar, 1947, p. 55)
11/30/12	19:00					unknown					0.0	0.02								extremely feeble; duration 34 sec	ESPHVO supp (Jaggar, 1947, p. 55)
12/1/12	21:48					kl cal deep??					35.2	0.13	2.91				2.91	nomo		extremely feeble; duration 55 sec	ESPHVO supp (Jaggar, 1947, p. 55)
12/5/12	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
12/5/12	2:45					hilea??					44.8	0.05	2.52				2.52	nomo		extremely feeble; duration 1 min 55 sec	ESPHVO supp (Jaggar, 1947, p. 55)
12/5/12	8:11					kaoiki??					24.0	0.05	2.08				2.08	nomo		extremely feeble; duration 1 min 38 sec	ESPHVO supp (Jaggar, 1947, p. 55)
12/6/12	10:32					kl sf??					24.0	0.17	2.80				2.80	nomo		duration 1 min 02 sec	ESPHVO supp (Jaggar, 1947, p. 58)
12/7/12	16:52					hilea??					42.4	0.07	2.68				2.68	nomo		duration 1 min 10 sec	ESPHVO supp (Jaggar, 1947, p. 58)
12/7/12	17:06					kl cal deep??					29.6	0.14	2.83				2.83	nomo		duration 1 min 52 sec	ESPHVO supp (Jaggar, 1947, p. 58)
12/7/12	21:03					kl cal deep??					28.0	0.06	2.30				2.30	nomo		duration 1 min 18 sec	ESPHVO supp (Jaggar, 1947, p. 58)
12/12/12	8:53					kl sf??					14.0	0.09	2.05				2.05	nomo		duration 1 min 44 sec	ESPHVO supp (Jaggar, 1947, p. 58)
12/16/12	12:00					unknown					0.0	1								very feeble; evening of 12/15-16; not timed due to instrument malfunction; triggered ordinary seismometer	time assumed; ESPHVO supp (Jaggar, 1947, p. 59)
12/17/12																				Cancani scale introduced to replace the scale of percentage of the "minimum perceptible unit" as a measure of intensity; we use this as "magnitude class", assigning amplitudes according to the table given on p. 59	ESPHVO supp (Jaggar, 1947, p. 59)
12/17/12	7:25					kl sf??					19.2	I (cancani)	2.17				2.17	nomo		duration 1 min 22 sec	ESPHVO supp (Jaggar, 1947, p. 59)
12/17/12	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)
12/21/12	11:15					kl cal 05-10?					8.0	mid IV (Cancani)	3.31				3.31	nomo	IV	distinctly felt at HVO as single light shock; windows rattled slightly; duration 1 min 03 sec	ESPHVO supp (Jaggar, 1947, p. 61); not reported in HH
12/29/12	1:36					unknown					0.0	I (cancani)								very feeble; duration 1 min 06 sec	ESPHVO supp (Jaggar, 1947, p. 62)
12/31/12	8:45					hilea??					40.0	I (cancani)	2.68				2.68	nomo		very feeble; duration 1 min 06 sec	ESPHVO supp (Jaggar, 1947, p. 62)
1/4/13	8:49					unknown					0.0	low I (Cancani)								duration 51 sec	ESPHVO supp (Jaggar, 1947, p. 64)
1/5/13	1:47					hilea??					49.6	low I (Cancani)	2.59				2.59	nomo		duration 48 sec	ESPHVO supp (Jaggar, 1947, p. 64)
1/6/13	0:25					kl sf??					20.8	high II (Cancani)	3.27				3.27	nomo		duration 1 min 29 sec; triggered the ordinary seismometer	ESPHVO supp (Jaggar, 1947, p. 64); not reported in HH
1/6/13	8:52					unknown														duration 49 sec	ESPHVO supp (Jaggar, 1947, p. 64)
1/6/13	11:28					kaoiki??					24.0	low I (Cancani)	2.08				2.08	nomo		duration 1 min 26 sec	ESPHVO supp (Jaggar, 1947, p. 64)

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
1/6/13	17:51					kaoiki					13.6	high III-low IV (Cancani)	3.44				3.44	nomo	felt	duration 1 min 21 sec; triggered the ordinary seismometer; felt distinctly at Kapapala ranch	ESPHVO supp (Jaggar, 1947, p. 64)
1/6/13	18:15					kl cal deep??					32.0	medium I (Cancani)	2.52				2.52	nomo		duration 1 min 11 sec	ESPHVO supp (Jaggar, 1947, p. 64)
1/7/13	5:15					hilea??					40.0	low I (Cancani)	2.44				2.44	nomo		duration?; end time given as 5:52:26	ESPHVO supp (Jaggar, 1947, p. 64)
1/11/13	0:56					hilea??					40.0	very low I (Cancani)	2.23				2.23	nomo		duration 59 sec	ESPHVO supp (Jaggar, 1947, p. 66)
1/11/13	22:09					kl cal deep??					28.8	very low I (Cancani)	2.00				2.00	nomo		duration 1 min 38 sec	ESPHVO supp (Jaggar, 1947, p. 66)
1/12/13	2:03					hilea??					43.2	low I (Cancani)	2.49				2.49	nomo		duration 53 sec	ESPHVO supp (Jaggar, 1947, p. 66)
1/13/13	13:57					kaoiki??					22.4	high III (Cancani)	3.73				3.73	nomo		duration 2 min 08 sec; triggered the ordinary seismograph; not perceived at HVO	ESPHVO supp (Jaggar, 1947, p. 66)
1/23/13	12:00					unknown					0.0									triggered the ordinary seismograph	time assumed; ESPHVO supp (Jaggar, 1947, p. 68)
1/27/13	14:33					kl sf??					20.0	low I (Cancani)	1.96				1.96	nomo		exceedingly feeble; duration 59 sec	ESPHVO supp (Jaggar, 1947, p. 68)
1/27/13	15:19					kl cal deep??					31.2	low I (Cancani)	2.27				2.27	nomo		exceedingly feeble; duration 1 min 11 sec	ESPHVO supp (Jaggar, 1947, p. 68-69)
1/30/13	12:37					kaoiki??					24.0	low I (Cancani)	2.08				2.08	nomo		very feeble; duration 1 min 10 sec	ESPHVO supp (Jaggar, 1947, p. 70)
2/1/13	11:33					unknown					0.0	low I (Cancani)								very feeble; duration 1 min 04 sec	ESPHVO supp (Jaggar, 1947, p. 70)
2/4/13	17:19					hilea??					49.6	low I (Cancani)	2.59				2.59	nomo		very feeble; duration 1 min 17 sec	ESPHVO supp (Jaggar, 1947, p. 70)
2/5/13	1:59					kaoiki??					22.4	low I (Cancani)	2.03				2.03	nomo		very feeble; duration 45 sec	ESPHVO supp (Jaggar, 1947, p. 70)
2/5/13	7:49					hilea??					48.0	high I (Cancani)	3.38				3.38	nomo		duration 1 min 56 sec	ESPHVO supp (Jaggar, 1947, p. 70)
2/5/13	9:17					unknown					0.0	low I (Cancani)								very feeble; duration 1 min 02 sec	ESPHVO supp (Jaggar, 1947, p. 70)
2/5/13	9:22					unknown					0.0	low I (Cancani)								very feeble; duration 58 sec	ESPHVO supp (Jaggar, 1947, p. 70)
2/5/13	13:35					kl sf??					24.8	medium I (Cancani)	2.34				2.34	nomo		feeble; duration 1 min 37 sec	ESPHVO supp (Jaggar, 1947, p. 72)
2/5/13	16:11					kona??					74.4	low I (Cancani)	2.87				2.87	nomo		feeble; duration 1 min 11 sec	ESPHVO supp (Jaggar, 1947, p. 72)
2/5/13	22:14					unknown														duration 1 min 21 sec; volcanic vibrations reaching intensity of local earthquakes [tremor episode?]	ESPHVO supp (Jaggar, 1947, p. 72)
2/6/13	10:34					kl sf??					20.0	low I (Cancani)	1.96				1.96	nomo		feeble; duration 56 sec	ESPHVO supp (Jaggar, 1947, p. 72)
2/6/13	13:03					kl cal 0-5?														duration 3 min 20 sec; volcanic vibrations reaching intensity of local earthquakes [tremor episode?]	ESPHVO supp (Jaggar, 1947, p. 72)
2/7/13	13:45					unknown						very low I (Cancani)								feeble; duration 52 sec	ESPHVO supp (Jaggar, 1947, p. 72, superseded by p. 82) [Wood away during time of initial recording]
2/10/13	18:37					kl sf??					20.0	medium I (Cancani)	2.19				2.19	nomo		feeble; duration 1 min	ESPHVO supp (Jaggar, 1947, p. 72, superseded by p. 82) [Wood away during time of initial recording]
2/13/13	6:18					kaoiki??					27.2	medium I (Cancani)	2.41				2.41	nomo		duration 1 min 24 sec	ESPHVO supp (Jaggar, 1947, p. 72, superseded by p. 82) [Wood away during time of initial recording]
2/13/13	14:47					hilea??					44.8	medium I (Cancani)	2.75				2.75	nomo		duration 50 sec	ESPHVO supp (Jaggar, 1947, p. 73, superseded by p. 82) [Wood away during time of initial recording; time originally given as 10:49 am]

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
2/13/13	14:53					kl sf??					22.4	high II (Cancani)	3.32				3.32	nomo		duration 1 min 02 sec	ESPHVO supp (Jaggar, 1947, p. 73, superseded by p. 82) [Wood away during time of initial recording: triggered the ordinary seismograph; time originally given as 10:56 am]
2/13/13	14:59					unknown						extremely low I (Cancani)								duration 31 sec	ESPHVO supp (Jaggar, 1947, p. 73, superseded by p. 82) [Wood away during time of initial recording; time originally given as 11:01 am]
2/16/13	6:42					hilea??					40.0	low I (Cancani)	2.44				2.44	nomo		duration 1 min 15 sec	ESPHVO supp (Jaggar, 1947, p. 73, superseded by p. 82) [Wood away during time of initial recording; time originally given as 7:42 am]
2/20/13	16:58					kaoiki??					24.0	high II (Cancani)	3.30				3.30	nomo		duration 2 min 16 sec	ESPHVO supp (Jaggar, 1947, p. 73, superseded by p. 82) [Wood away during time of initial recording; time originally given as 6 PM]
2/23/13	12:00					kilauea?		3	8.0	8.5	8.0		2.91				2.91	poor		fairly strong earthquake triggered ordinary seismograph; average distance and depth assumed from modern catalog for near-caldera events	time assumed; ESPHVO supp (Jaggar, 1947, p. 74); around midday; not noted by Wood on p. 82; not reported in HH
2/26/13	22:48					ml mok??					32.0	medium I (Cancani)	2.52				2.52	nomo		feeble; duration 1 min 09 sec	ESPHVO supp (Jaggar, 1947, p. 73, superseded by p. 82)Wood away during time of initial recording; time originally given as 2/27 at 1:45 am
2/27/13	1:45					unknown														feeble	ESPHVO supp (Jaggar, 1947, p. 74) not noted by Wood on p. 82
3/3/13	4:09					unknown						very low I (Cancani)								duration 53 sec	ESPHVO supp (Jaggar, 1947, p. 74, superseded by p. 83) [Wood away during time of initial recording; time originally given as 4:09 am]
3/3/13	5:19					hilea??					49.6	very low I (Cancani)	2.38				2.38	nomo		duration 1 min 15 sec	ESPHVO supp (Jaggar, 1947, p. 74, superseded by p. 83) [Wood away during time of initial recording; time originally given as 5:21 am]
3/6/13	9:00					kl cal deep??					29.6	low I (Cancani)	2.23				2.23	nomo		duration 1 min 17 sec	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 9 am]
3/7/13	2:31					unknown						low I (Cancani)								duration 2 min 27 sec	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 2:31 am]
3/8/13	23:32					kaoiki??					24.8	very low I (Cancani)	1.90				1.90	nomo		duration 1 min 04 sec	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 11:34 PM]
3/9/13	8:55					hilea??					40.0	high II (Cancani)	3.73				3.73	nomo		duration 1 min 54 sec; triggered ordinary seismograph	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 8:55 am]
3/10/13	0:54					unknown						very low I (Cancani)								duration 43 sec	ESPHVO supp (Jaggar, 1947, p. 83)
3/10/13	5:02					kl sf??					22.4	low I (Cancani)	2.03				2.03	nomo		duration 1 min 12 sec	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 5:01 am]

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
3/10/13	19:39					kaoiki??					24.0	low I (Cancani)	2.08				2.08	nomo		duration 1 min 22 sec	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 7:37 PM]
3/10/13	22:02					unknown						low I (Cancani)								duration 1 min 31 sec	ESPHVO supp (Jaggar, 1947, p. 83)
3/11/13	2:18					hilea??					36.0	high II (Cancani)	3.65				3.65	nomo		duration 1 min 53 sec; triggered ordinary seismograph	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 2:16 am]
3/14/13	6:21					ml swr??					48.8	low I (Cancani)	2.58				2.58	nomo		duration 1 min 48 sec; weak shock	ESPHVO supp (Jaggar, 1947, p. 77, superseded by p. 83) [Wood away during time of initial recording; time originally given as 6:18 am]
3/17/13	13:24					kaoiki??					25.6	low I (Cancani)	2.13				2.13	nomo		duration 29 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/19/13	8:30					hilea??					36.8	medium I (Cancani)	2.62				2.62	nomo		duration 1 min 09 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/19/13	15:17					hilea??					35.2	medium high I (Cancani)	2.76				2.76	nomo		duration 1 min 39 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/19/13	19:00																			Beginning of gradual lowering of Halemaumau lake level from 435 feet below rim, at least through March 30 [see below-possible intrusion on March 25]	ESPHVO supp (Jaggar, 1947, p. 79)
3/21/13	20:02					unknown						extremely low I (Cancani)								duration 42 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/22/13	1:55					unknown						low I (Cancani)								duration 51 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/24/13	3:24					kaoiki??					24.8	medium I (Cancani)	2.34				2.34	nomo		duration 1 min	ESPHVO supp (Jaggar, 1947, p. 80)
3/24/13	9:06					unknown						very low I (Cancani)								duration 1 min 08 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/25/13	22:36					kl ler?					32.0	very low I (Cancani)	2.07				2.07	nomo		dur 42 sec; beginning of series of shocks in rapid succession; not perceived, perhaps because of high wind shaking; in Hilo tremors reported perceptible for 10 consecutive minutes; 20 mi away, presumed to be in Hilo direction; Warshauer notes: see bib	ESPHVO supp (Jaggar, 1947, p. 80) [possible lower east rift swarm; correlated with at least 50-foot lowering of Halemaumau lava lake surface between 3/24 and 3/25]; HT, 4/1/1913; not reported in HG, HSB or HH
3/25/13	22:49					kl ler?					32.0	low I (Cancani)	2.28				2.28	nomo		duration 44 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/25/13	22:51					kl ler?					32.0	high III (Cancani)	3.98				3.98	nomo		duration 1 min 59 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/25/13	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
3/25/13	23:00					kl ler?					32.0	medium I (Cancani)	2.52				2.52	nomo		duration 3 min 39 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/25/13	23:04					kl ler?					32.0	medium-high I (Cancani)	2.93				2.93	nomo		duration 2 min 15 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/25/13	23:06					kl ler?					32.0	medium I (Cancani)	2.52				2.52	nomo		duration 1 min 17 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/25/13	23:24					kl sf?					32.0	medium III (Cancani)	3.79				3.79	nomo		duration 1 min 23 sec	ESPHVO supp (Jaggar, 1947, p. 80)
3/27/13	6:17					kl sf??					24.0	low I (Cancani)	2.08				2.08	nomo		duration 1 min 37 sec	ESPHVO supp (Jaggar, 1947, p. 83)

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
4/1/13	12:31					unknown						low I (Cancani)								duration 2 min 10 sec	ESPHVO supp (Jaggar, 1947, p. 83)
4/1/13	17:48					kl cal deep??					29.9	low I (Cancani)	2.24				2.24	nomo		duration 1 min 03 sec	ESPHVO supp (Jaggar, 1947, p. 83) [seismic registration suspended for 4-6 weeks to prepare for installation of 2-component Bosch Omori 100 kg tromometer]
5/4/13																				Halemaumau lake surface 550 feet below rim (compare 435 feet on March 19) with active lava rarely visible over next several weeks	ESPHVO supp (Jaggar, 1947, p. 86)
5/8/13	23:59					kl cal 0-5??														several earthquakes of feeble energy and nearby origin recorded during week of May 2-8, but timing apparatus not yet available	ESPHVO supp (Jaggar, 1947, p. 86)
5/15/13	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
5/15/13	12:00					kohala??											3.00	nomo		moderate local shock of much less energy than preceding	time assumed; ESPHVO supp (Jaggar, 1947, p. 86)
5/15/13	23:59																			no earthquakes recorded during week of May 9-15	ESPHVO supp (Jaggar, 1947, p. 86)
5/18/13	19:51					kl sf?					14.0	high VII (Cancani); off scale; medium VI assumed to agree with Rossi-Forel	>4.6	5.22			5.22	hono	V; IV-V (R-F)	Lyman notes: at 7:40 PM, 2 slight tremors followed by 2 short sharp shock; a few minutes before 8 p.m. a moderately strong focal shock was felt at Volcano House and generally felt in Hilo; pens offscale to E and S, probably close to HVO, direction NW	not listed in Honolulu Station Bulletin (Hazard, 1916); seen on hon film record; WKC, 1992, p. 31; ESPHVO supp (Jaggar, 1947, p.86)
5/18/13	19:51					kl sf?					14.0	high VII (Cancani); off scale; medium VI assumed to agree with Rossi-Forel	do	do			do	do	do	Warshauer notes: in Hilo, a decided shock from sea to mountain followed by two shocks from Puna toward, duration 30 sec; jarred frame buildings sending people into street; strongest quake in 5 years; not felt at Volcano House [but see above]	HSB, 5/20/1913; HH, 5/23/1913; not found in PCA or HG
5/19/13	6:00					east hawaii?													II-III	Lyman notes: slight tremor at 6 am	WKC, 1992, p. 31
5/19/13	11:00					kl cal 0-5?					3.6	f?	2.12				2.12	nomo		late forenoon, weak shock registered sharply, though feebly, more markedly on the E-W; originated almost immediately below this station	Jaggar, 1947, p.86
5/20/13	20:05					hilea??					38.4	high II (Cancani)	3.70				3.70	nomo		weak focal shock	ESPHVO supp (Jaggar, 1947, p. 86)
5/23/13																				no earthquakes recorded during week of May 23-29; Halemaumau lava lake still dormant	ESPHVO supp (Jaggar, 1947, p. 87)
5/29/13	4:49					kaoiki??					27.2	low I (Cancani)	2.17				2.17	nomo		very feeble; duration 1 min	ESPHVO supp (Jaggar, 1947, p. 87)
5/29/13	11:37					kl sf??					19.2	high I (Cancani); .25 mpu	2.87				2.87	nomo		very feeble; duration 1 min	ESPHVO supp (Jaggar, 1947, p. 87)
5/30/13	1:38					kaoiki??					20.0	low I (Cancani)	1.96				1.96	nomo		very feeble; duration 1 min; 12-13 mi	ESPHVO supp (Jaggar, 1947, p. 87) [superposed on second phase of a teleseism]
6/5/13	15:38					kl sf??					13.6	I-II (Cancani); .2-.3 mpu	2.63				2.63	nomo		duration 40 sec; 7-10 mi	ESPHVO supp (Jaggar, 1947, p. 87)
6/6/13	4:39					hualalai??					88.0	medium I (Cancani); .1 mpu	3.39				3.39	nomo		duration 5 min 41 sec; 50-60 mi	ESPHVO supp (Jaggar, 1947, p. 87)
6/6/13	23:40					hilea??					40.0	medium II (Cancani); .3 mpu	3.49				3.49	nomo		duration 1 min 39 sec	ESPHVO supp (Jaggar, 1947, p. 87)

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/7/13	16:42					kl cal deep??					28.8	medium-high I (Cancani); .2 mpu	3.02				3.02	nomo		duration 3 min; 16-20 mi	ESPHVO supp (Jaggar, 1947, p. 87)
6/8/13	7:41					kl sf??					14.4	IV (Cancani); 1 2 mpu	3.72	<5.2			3.72	nomo	felt	felt from Hilo to Naalehu, and in part of the Puna district; duration 3 min; max distance 9 mi	ESPHVO supp (Jaggar, 1947, p. 87); not reported in HH; not recorded in Lyman diary (WKC, p. 31) or in Honolulu station bulletin (Hazard, 1916); not found on film record
6/8/13	14:11					kl sf??					17.6	I-II (Cancani); .25 mpu	2.81				2.81	nomo		duration 45 sec	ESPHVO supp (Jaggar, 1947, p. 87)
6/9/13	5:43					kaoiki??					27.2	III-IV (Cancani); .6-1.0 mpu	3.80				3.80	nomo		duration 2 min 24 sec; 16-18 mi	ESPHVO supp (Jaggar, 1947, p. 87) [time out of order if date of 6/8 accepted-assume 6/9]
6/13/13	13:58					kl sf??					20.8	medium II (Cancani); .3 mpu	3.03				3.03	nomo		duration 1 min 12 sec	ESPHVO supp (Jaggar, 1947, p. 88)
6/13/13	14:14					kl sf??					9.9	medium II (Cancani); .4 mpu	2.69				2.69	nomo		duration 21 sec	ESPHVO supp (Jaggar, 1947, p. 88)
6/13/13	14:15					kaoiki??					24.0	low I (Cancani); <.2 mpu	2.08				2.08	nomo		duration?; ending time given as 2:12:03 PM	ESPHVO supp (Jaggar, 1947, p. 88)
6/13/13	15:53					kaoiki??					27.2	I-II (Cancani); .25 mpu	3.11				3.11	nomo		duration 35 sec	ESPHVO supp (Jaggar, 1947, p. 88)
6/14/13	8:26					kl sf??					20.8	low I (Cancani); <.2 mpu	1.98				1.98	nomo		duration 16 sec	ESPHVO supp (Jaggar, 1947, p. 88)
6/14/13	8:32					kohala??					112.0	low I (Cancani); <.1 mpu	3.15				3.15	nomo		duration 2 min 21 sec	ESPHVO supp (Jaggar, 1947, p. 88)
6/14/13	13:32					kl sf??					16.0	medium-high I (Cancani); .2 mpu	2.61				2.61	nomo		duration 27 sec	ESPHVO supp (Jaggar, 1947, p. 88)
6/15/13	12:18					kohala??					104.8	medium-low I (Cancani); .1 mpu	3.51				3.51	nomo		duration 1 min 06 sec; 62-69 mi	ESPHVO supp (Jaggar, 1947, p. 88)
6/16/13	5:25					kl sf??					17.0	II-III (Cancani); .5 mpu	3.19				3.19	nomo		duration 37 sec	ESPHVO supp (Jaggar, 1947, p. 88)
6/17/13	17:46					kl cal 0-5					4.0	medium IV (Cancani)	2.83				2.83	nomo		duration 32 sec; maximum distance 5 mi	ESPHVO supp (Jaggar, 1947, p. 88)
6/19/13	2:17					kaoiki??					24.0	high II (Cancani); 0.4 mpu	3.30				3.30	nomo		duration 58 sec	ESPHVO, v. 2, p. 2
6/19/13	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
6/19/13	4:27					kaoiki??					24.0	III-IV (Cancani); 1.0 mpu	3.84				3.84	nomo		duration 1 min 35 sec	ESPHVO, v. 2, p. 2
6/21/13	10:38					kaoiki??					22.4	III-IV (Cancani); .9 mpu	3.73				3.73	nomo		duration 2 min 20 sec	ESPHVO, v. 2, p. 2

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/22/13	17:46					loihi??					64.0	medium I (Cancani); .1 mpu	3.17				3.17	nomo		duration 1 min 19 sec	ESPHVO, v. 2, p. 2
6/25/13	8:20					kl uer??					9.6	III-IV (Cancani); 1.0 mpu	3.20				3.20	nomo		distance a maximum; duration 17 sec	ESPHVO, v. 2, p. 2
6/28/13	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
6/29/13	11:32					unknown						low III (Cancani); 0.6 mpu								duration 12 sec	ESPHVO, v. 2, p. 5
6/29/13	11:32					unknown						III-IV (Cancani); 1.0 mpu								duration 1 min 07 sec	ESPHVO, v. 2, p. 5
6/29/13	11:34					unknown						medium III (Cancani); 0.75 mpu								duration 21 sec	ESPHVO, v. 2, p. 5
6/30/13	11:12					hilea??					40.0	low I (Cancani); 0.1 mpu	2.84				2.84	nomo		duration 58 sec	ESPHVO, v. 2, p. 5
7/1/13	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
7/1/13	14:21					unknown						medium I (Cancani); 0.2 mpu								duration 2 min 54 sec	ESPHVO, v. 2, p. 5
7/4/13	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
7/6/13	14:59					kaoiki??					25.6	III-IV (Cancani); 1.0 mpu	3.88				3.88	nomo		duration 35 sec	ESPHVO, v. 2, p. 6
7/9/13	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
7/9/13	5:08					hilea??					41.6	I-II (Cancani); 0.25 mpu	3.41				3.41	nomo		duration 1 min 36 sec	ESPHVO, v. 2, p. 7
7/9/13	6:35					hilea??					40.0	I-II (Cancani); 0.25 mpu	3.38				3.38	nomo		duration 1 min 27 sec	ESPHVO, v. 2, p. 7
7/9/13	16:55					kl sf??					19.2	medium I (Cancani); 0.15 mpu	2.57				2.57	nomo		duration 1 min 44 sec	ESPHVO, v. 2, p. 10
7/10/13	15:07					kl sf??					11.2	I-II (Cancani); 0.25 mpu	2.50				2.50	nomo		duration 09 sec	ESPHVO, v. 2, p. 10
7/10/13	16:54					hilea??					48.0	low I (Cancani); 0.07 mpu	2.76				2.76	nomo		duration 1 min 12 sec	ESPHVO, v. 2, p. 10
7/11/13	16:06					kl sf??					20.8	high I (Cancani); 0.2 mpu	2.80				2.80	nomo		duration 1 min 05 sec	ESPHVO, v. 2, p. 10

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
7/11/13	22:19					kl sf??					20.8	medium I (Cancani); 0.1 mpu	2.39				2.39	nomo		duration 1 min 21 sec	ESPHVO, v. 2, p. 10
7/12/13	1:31					unknown						medium I (Cancani); 0.1 mpu								duration 1 min 33 sec	ESPHVO, v. 2, p. 10
7/12/13	2:29					unknown						low I (Cancani); 0.06 mpu								duration 49 sec	ESPHVO, v. 2, p. 12
7/12/13	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
7/12/13	4:37					kl sf??					16.0	low I (Cancani); 0.06 mpu	1.91				1.91	nomo		duration 1 min 45 sec	ESPHVO, v. 2, p. 12
7/13/13	8:06					hilea??					48.0	II (Cancani); 0.4 mpu	3.78				3.78	nomo		duration 1 min 52 sec	ESPHVO, v. 2, p. 12
7/13/13	11:50					unknown						low I (Cancani); 0.1 mpu								duration 52 sec	ESPHVO, v. 2, p. 12
7/13/13	17:14					unknown						low I (Cancani); 0.06 mpu								duration 45 sec	ESPHVO, v. 2, p. 12
7/14/13	21:59					unknown						medium I (Cancani); 0.1 mpu								duration 49 sec	ESPHVO, v. 2, p. 12
7/15/13	13:28					kaoiki??					22.4	III-IV (Cancani); 1.0 mpu	3.79				3.79	nomo		duration 1 min 49 sec	ESPHVO, v. 2, p. 12
7/23/13																				Lava visible on floor of Halemaumau; possible evidence of return from dormancy; lava not visible again until September	ESPHVO, v. 2, p. 14
7/25/13	23:29					kona??					75.2	low I (Cancani); 0.09 mpu	3.28				3.28	nomo		duration 1 min 25 sec	ESPHVO, v. 2, p. 19
7/27/13	9:16					hualalai?					80.0	medium I (Cancani); 0.18 mpu	3.56				3.56	nomo		duration 1 min 45 sec	ESPHVO, v. 2, p. 12
7/28/13	22:03					kaoiki??					20.0	doubtful, motion exceedingly rapid								duration 36 sec	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 19
7/29/13	0:44					kaoiki??					20.8	doubtful, motion exceedingly rapid								duration 43 sec	ESPHVO, v. 2, p. 19
7/29/13	6:07					kaoiki??					20.0	medium III (Cancani); 0.5 mpu	3.31				3.31	nomo		duration 1 min 27 sec	ESPHVO, v. 2, p. 19
7/29/13	6:37					kaoiki??					29.8	medium III (Cancani); 0.8 mpu	3.86				3.86	nomo		duration 1 min 15 sec	ESPHVO, v. 2, p. 19
8/21/13	9:04					kaoiki??					22.9	III-IV (Cancani); 1.0 mpu	3.81				3.81	nomo		duration 2 min 12 sec	ESPHVO, v. 2, p. 32

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
8/30/13	19:45					hilea??					40.0	medium I (Cancani); 0.1 mpu	2.84				2.84	nomo		duration 3 min 10 sec	ESPHVO, v. 2, p. 38
8/30/13	20:12					kaoiki??					20.0	medium I (Cancani); 0.09 mpu	2.47				2.47	nomo		duration 56 sec	ESPHVO, v. 2, p. 38
9/2/13	11:37					hilea??					44.0	medium I (Cancani); 0.09 mpu								duration 1 min 32 sec	ESPHVO, v. 2, p. 38
9/8/13	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
9/8/13	16:38					kaoiki??					25.6	medium I (Cancani); 0.1 mpu	2.53				2.53	nomo		duration 1 min 04 sec	ESPHVO, v. 2, p. 38
9/13/13	10:06					kl sf??					19.8	low I (Cancani); 0.06 mpu	2.06				2.06	nomo		duration 1 min 07 sec	ESPHVO, v. 2, p. 44
9/14/13	7:59					kl sf??					19.8	low I (Cancani); 0.9 mpu	3.76				3.76	nomo		duration 1 min 28 sec	ESPHVO, v. 2, p. 44
9/20/13	8:14					kl sf??					19.8	III-IV (Cancani); 1.1 mpu	3.73	<5.22			3.73	nomo	IV	not felt [at Kilauea]; duration 2 min 12 sec; Lyman notes: a long sharp tremble, rattled the windows	ESPHVO v. 2, p. 44; WKC, 1992, p. 31; not reported in HH
9/20/13	8:20					unknown														tiny, almost indeterminate, shock; duration 18 sec	ESPHVO, v. 2, p. 44
9/20/13	8:20					hilea??					49.6	medium I (Cancani); 0.15 mpu	3.23				3.23	nomo		duration 1 min 57 sec	ESPHVO, v. 2, p. 44
9/23/13																				Glowing lava appears in Halemaumau -first time since July	ESPHVO, v. 2, p. 43
9/24/13	1:10					kl sf??					20.0	low I (Cancani); 0.08 mpu	2.23				2.23	nomo		duration 1 min 18 sec	ESPHVO, v. 2, p. 44
9/25/13	1:58					kl sf??					19.2	I (Cancani); 0.15 mpu	2.57				2.57	nomo		duration 43 sec	ESPHVO, v. 2, p. 55
10/2/13	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
10/3/13	17:58					kl cal 0-5??					4.0	V-VI (cancani); 6.5 mpu	3.69				3.69	nomo	felt	about 5-8 times mpu; distinctly felt	ESPHVO, v. 2, p. 55; not reported in HH
10/6/13	9:20					kl swr??					9.9	low I (Cancani); 0.09 mpu	1.74				1.74	nomo		very feeble; duration 52 sec	ESPHVO, v. 2, p. 55
10/7/13	2:54					kl sf??					16.8	high I (Cancani); 0.22 mpu	2.70				2.70	nomo		very slight; duration 25 sec	ESPHVO, v. 2, p. 55
10/7/13	14:41					kl uer??					9.6	II-III (Cancani); 0.7 mpu	2.99				2.99	nomo		0.4-1.0 mpu; duration 1 min 00 sec	ESPHVO, v. 2, p. 55
10/15/13	5:37					kaoiki??					25.6	medium II (Cancani); 0.3 mpu	3.18				3.18	nomo		duration 47 sec	ESPHVO, v. 2, p. 64

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/18/13	15:12					unknown						medium I (Cancani); 4.15 mpu								duration 56 sec; [Cancani rating and mpu inconsistent?]	ESPHVO, v. 2, p. 64
10/19/13	5:32					kaoiki??					29.9	medium I (Cancani); 0.15 mpu	2.88				2.88	nomo		duration 45 sec	ESPHVO, v. 2, p. 64
10/25/13	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
10/25/13	0:57					kl sf					15.0	off scale	do	do			do	do	do	Warshauer notes: severe earthquake felt in Hilo, lasting 28 seconds, followed by oscillation of land; two cracks in wall of concrete reinforced by steel; plate glass window cracked; stone bread ovens demolished in country	PCA, 10/29; 11/3, 9/1913; HSB, 10/25/1913; HT, 11/4/1913 [repeats info in ESPHVO]; not in HT or HH
10/25/13	12:00					kl sf?					15.0	vf	2.10				2.10	nomo		5 very feeble shocks between noon and midnight, one usual size, others smaller	ESPHVO, v. 2, p. 65 [aftershocks]
10/26/13	10:31					kl sf?					20.8	high I (Cancani); 0.22 mpu	2.85				2.85	nomo		duration 21 sec	ESPHVO, v. 2, p. 65
10/26/13	14:00					kl sf?						vf								6-10 very feeble shocks to 6:00 am 10/27	ESPHVO, v. 2, p. 65
10/27/13	9:44					kl sf?					20.8	low II (Cancani); 0.3 mpu	3.03				3.03	nomo		duration 55 sec	ESPHVO, v. 2, p. 65
10/28/13	5:05					kl sf?					22.9	low II (Cancani); 0.35 mpu	3.19				3.19	nomo		duration 32 sec	ESPHVO, v. 2, p. 65
10/28/13	8:45					kl sf?					20.8	high III (Cancani); 0.9 mpu	3.68				3.68	nomo		duration 1 min 58 sec; not reported in HH	ESPHVO, v. 2, p. 65; Lyman: a slight tremble N + SE.
10/28/13	13:00					unknown						low I (Cancani); 0.08 mpu								duration 1 min 04 sec	ESPHVO, v. 2, p. 65
10/29/13	5:49					kl sf?					21.9	high I (Cancani); 0.2 mpu	2.83				2.83	nomo		duration 19 sec	ESPHVO, v. 2, p. 65
10/29/13	14:08					kl sf?					22.4	medium III (Cancani); 0,55 mpu	3.44				3.44	nomo		duration 39 sec	ESPHVO, v. 2, p. 68
11/1/13	16:00					kl sf?					20.7	high I (Cancani); 0.2 mpu	2.79				2.79	nomo		late afternoon or early evening; distance 12-14 mi	ESPHVO, v. 2, p. 69
11/3/13	23:00					kl sf?					20.7	low II (Cancani); 0.25 mpu	2.92				2.92	nomo		late evening or possibly early morning; time approx. due to overscoring	ESPHVO, v. 2, p. 69
11/6/13	14:54					kl sf?					20.8	medium I (Cancani); 0.1 mpu	2.39				2.39	nomo		duration 59 sec	ESPHVO, v. 2, p. 69
11/7/13	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
11/7/13	12:35					kl sf?					21.3	III-IV (Cancani); 1.0 mpu	3.76				3.76	nomo	felt	felt in Hilo, not locally	ESPHVO, v. 2, p. 69
11/7/13	19:01					kl sf??					16.0	medium II (Cancani); 0.3 mpu	2.85				2.85	nomo		duration 15 sec	ESPHVO, v. 2, p. 69

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
11/8/13	4:27					kl sf??					19.2	high II (Cancani); 0.4 mpu	3.15				3.15	nomo		duration 16 sec	ESPHVO, v. 2, p. 69
11/9/13	22:27					ml mok??					32.5	low I (Cancani); 0.05 mpu	2.29				2.29	nomo		duration 1 min 01 sec	ESPHVO, v. 2, p. 69
11/10/13	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
11/12/13	9:23					unknown						II (Cancani); 0.35 mpu								duration 25 sec	ESPHVO, v. 2, p. 69
11/18/13	13:30					ml mok??					32.0	III (Cancani); 0.9 mpu	3.98				3.98	nomo		duration 2 min 09 sec	ESPHVO, v. 2, p. 78
11/23/13	12:58					unknown						low I (Cancani); 0.05 mpu								duration 1 min 37 sec	ESPHVO, v. 2, p. 78
11/27/13	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
11/29/13	6:50					kl sf??					19.8	low I (Cancani); 0.09 mpu	2.23				2.23	nomo		duration 32 sec	ESPHVO, v. 2, p. 78
11/29/13	8:11					kl sf??					20.8	III (Cancani); 0.9 mpu	3.68				3.68	nomo		duration 54 sec	ESPHVO, v. 2, p. 78
11/29/13	18:21					kl sf??					19.8	I- II (Cancani); 0.22 mpu	2.89				2.89	nomo		duration 1 min 30 sec	ESPHVO, v. 2, p. 79
12/1/13	11:16					kl sf??					20.8	II (Cancani); 0.5 mpu	3.33				3.33	nomo		duration 21 sec	ESPHVO, v. 2, p. 79
12/3/13	12:51					kl sf??					20.8	III (Cancani); 0.9 mpu	3.68				3.68	nomo		duration 1 min 59 sec	ESPHVO, v. 2, p. 79
12/9/13	22:51					kl sf??					20.8	III (Cancani); 0.5 mpu	3.33				3.33	nomo		duration 57 sec	ESPHVO, v. 2, p. 79
12/14/13	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
12/15/13	3:33					ml mok??					32.0	I (Cancani); 0.11 mpu	2.80				2.80	nomo		duration 1 min 38 sec	ESPHVO, v. 2, p. 79
12/19/13	12:21					kaoiki??					20.8	II (Cancani); .45 mpu	3.27				3.27	nomo		.4-.5 mpu; duration 1 min 11 sec	ESPHVO, v. 2, p. 89
12/20/13	4:03					unknown						I (Cancani); .13 mpu								duration 1 min 02 sec	ESPHVO, v. 2, p. 89
12/20/13	23:28					kaoiki??					21.9	I (Cancani); .2 mpu	2.83				2.83	nomo		duration 54 sec	ESPHVO, v. 2, p. 89

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
12/22/13	14:55					kaoiki??					20.0	II-III (Cancani); 0.5 mpu	3.31				3.31	nomo		duration 26 sec	ESPHVO, v. 2, p. 89
12/26/13	2:26					kaoiki??					29.8	I (Cancani); .13 mpu	2.79				2.79	nomo		duration 2 min 26 sec	ESPHVO, v. 2, p. 89
12/26/13	6:47					unknown						I (Cancani); .15 mpu								duration 1 min 18 sec	ESPHVO, v. 2, p. 89
12/26/13	11:16					unknown						III (Cancani); 0.9 mpu								duration 43 sec	ESPHVO, v. 2, p. 89
12/26/13	12:16					kaoiki??					22.9	IV (Cancani); 1.0 mpu	3.81				3.81	nomo	felt	felt locally by one person lying down	ESPHVO, v. 2, p. 89; not reported in HH
12/26/13	12:39					kaoiki??					20.8	I (Cancani); .075 mpu	2.22				2.22	nomo		duration 2 min 13 sec	ESPHVO, v. 2, p. 89
12/28/13	2:24					kaoiki??					20.8	III (Cancani); 0.6 mpu	3.44				3.44	nomo		duration 1 min 07 sec	ESPHVO, v. 2, p. 89
12/28/13	5:02					kaoiki??					27.2	I (Cancani); 0.2 mpu	2.98				2.98	nomo		duration 1 min 24 sec	ESPHVO, v. 2, p. 90
12/31/13	21:04					kaoiki??					20.8	II (Cancani); 0.3 mpu	3.03				3.03	nomo		duration 48 sec	ESPHVO, v. 2, p. 90
12/31/13	22:58					kaoiki??					20.8	I (Cancani); 0.12 mpu	2.50				2.50	nomo		duration 54 sec	ESPHVO, v. 2, p. 90
1/2/14	12:30					kaoiki??					21.8	I (Cancani); 0.2 mpu	2.83				2.83	nomo		duration 44 sec	ESPHVO, v. 2, p. 90
1/7/14	21:00					kl sf??					19.2	medium III (Cancani); .75 mpu	3.52				3.52	nomo		duration 48 sec	ESPHVO, v. 2, p. 103
1/10/14	20:53					hilea??					43.2	high I (Cancani); .185 mpu	3.24				3.24	nomo		.16-.21 mpu; duration 40 sec	ESPHVO, v. 2, p. 103
1/15/14	5:26					ml mok??					32.0	medium III (Cancani); .85 mpu	3.94				3.94	nomo		duration 43 sec	ESPHVO, v. 2, p. 103
1/18/14	4:19					kl sf??					20.8	medium I (Cancani); .16 mpu	2.67				2.67	nomo		duration 2 min 03 sec	ESPHVO, v. 2, p. 104
1/21/14	19:13					kaoiki??					22.4	III-IV (Cancani); 0.9 mpu	3.73				3.73	nomo		duration 1 min 00 sec	ESPHVO, v. 2, p. 104
1/22/14	5:16					hilea??					43.2	I (Cancani); 0.075 mpu	2.73				2.73	nomo		duration 51 sec	ESPHVO, v. 2, p. 104
1/25/14	16:24					kl ler sf??					32.0	III (Cancani); 0.6 mpu	3.74				3.74	nomo	felt	felt Hilo, not locally	ESPHVO, v. 2, p. 104
1/29/14	10:29					kl sf??					11.2	III-IV (Cancani); 1.4 mpu	3.55				3.55	nomo	felt	1.2-1.6 mpu; felt distinctly in Hilo, not locally; triggered the ordinary seismograph	ESPHVO, v. 2, p. 104

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
2/1/14	16:48					kl sf??					16.0	medium II (Cancani); 0.35 mpu	2.94				2.94	nomo		duration 36 sec	ESPHVO, v. 2, p. 104
2/3/14	5:01					hilea??					41.6	II (Cancani); 0.48 mpu	3.79				3.79	nomo		duration 1 min 42 sec	ESPHVO, v. 2, p. 104
2/4/14	22:54					kl sf??					14.9	high III (Cancani); 0.8 mpu	3.38				3.38	nomo		duration 1 min 15 sec	ESPHVO, v. 2, p. 116
2/7/14	13:18					kaoiki??					20.8	high II (Cancani); 0.45 mpu	3.27				3.27	nomo		duration 45 sec	ESPHVO, v. 2, p. 116
2/9/14	10:40					kl sf??					20.8	low III (Cancani); 0.65 mpu	3.49				3.49	nomo		duration 48 sec	ESPHVO, v. 2, p. 116
2/12/14	6:21					ml mok??					32.0	medium III (Cancani); 0.7 mpu	3.83				3.83	nomo		duration 1 min 50 sec	ESPHVO, v. 2, p. 116
2/12/14	12:33					unknown						medium I (Cancani); 0.13 mpu								duration 32 sec	ESPHVO, v. 2, p. 116
2/12/14	23:26					kl sf??					17.9	medium II (Cancani); 0.35 mpu	3.02				3.02	nomo		duration 59 sec	ESPHVO, v. 2, p. 116
2/13/14	22:23					kl sf??					18.9	low III (Cancani); 0.65 mpu	3.42				3.42	nomo		duration 44 sec	ESPHVO, v. 2, p. 116
2/14/14	15:13					kl sf??					16.8	high II (Cancani); 0.45 mpu	3.12				3.12	nomo		duration 42 sec	ESPHVO, v. 2, p. 116
2/14/14	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
2/20/14	1:47					unknown						low II (Cancani); 0.3 mpu								duration 55 sec	ESPHVO, v. 2, p. 116
2/20/14	1:53					kl sf??					10.9	medium III (Cancani); 0.75 mpu	3.12				3.12	nomo		duration 48 sec	ESPHVO, v. 2, p. 116
2/21/14	2:04					kl sf??					17.9	high II-low III (Cancani); 0.55 mpu	3.29				3.29	nomo		.4-.7 mpu; duration 48 sec	ESPHVO, v. 2, p. 116
2/23/14	10:15					unknown						high III (Cancani); 0.8 mpu								duration 2 min 30 sec	ESPHVO, v. 2, p. 117
2/23/14	14:35					kl sf??					20.8	low III (Cancani); 0.6 mpu	3.44				3.44	nomo		duration 1 min 10 sec	ESPHVO, v. 2, p. 117
2/23/14	18:38					unknown														time-marking clock out; one small local shock after this time	ESPHVO, v. 2, p. 117
2/27/14	11:55					kaoiki??					20.8	II (Cancani); 0.425 mpu	3.24				3.24	nomo		.35-.5 mpu; duration 50 sec	ESPHVO, v. 2, p. 148
2/28/14	8:32					kaoiki??					19.2	III (Cancani); 0.8 mpu	3.54				3.54	nomo		.78 mpu; duration 1 min 05 sec	ESPHVO, v. 2, p. 148

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
2/28/14	10:04					kaoiki??					19.2	III (Cancani); 1.05 mpu	3.71				3.71	nomo		.9-1.2 mpu; duration 1 min 37 sec	ESPHVO, v. 2, p. 148
3/1/14	6:00					unknown													II-III	Lyman notes: a slight shock	not reported at the time given by Lyman in ESPHVO, v. 2, p. 148; WKC, 1992, p. 31; not reported in HH
3/1/14	9:22					kaoiki?					20.0		3.95				3.95	nomo	IV; II (R-F)	felt distinctly a few miles toward Hilo; fairly heavy at Kapapala; rattled windows at HVO, barely felt at Volcano house; threw recording pens off; Lyman notes: a slight tremble	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 120; WKC, 1992, p. 31; [amp assumed from intensity, location and distance assumed from felt report]; not reported in HH
3/3/14	7:37					hilea??					38.4	II (Cancani); 0.4 mpu	3.63				3.63	nomo		.3-.5 mpu; slight; duration 2 min 04 sec	ESPHVO, v. 2, p. 148 notes
3/4/14	14:15					kl uer??					9.0	III-IV (Cancani); 1.1 mpu	3.21				3.21	nomo		slight; duration 2 min 40 sec	ESPHVO, v. 2, p. 148 notes; Lyman notes: about 2:45 PM, a slight tremble NE. + SW.
3/5/14	1:43					kl uer??					8.0	III-IV (Cancani); 1.1 mpu	3.13				3.13	nomo		slight; duration 31 sec	ESPHVO, v. 2, p. 148 notes: not noticed at HVO
3/8/14	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
3/8/14	14:33					unknown						II (Cancani); 0.45 mpu								duration 40 sec	ESPHVO, v. 2, p. 148
3/10/14	17:15					kl cal 05-10?					6.4	II-III (Cancani); 0.55 mpu	2.60				2.60	nomo		<.6 mpu; duration 1 min 51 sec	ESPHVO, v. 2, p. 148
3/21/14	1:21					unknown						I (Cancani)								duration 2 min 30 sec	ESPHVO, v. 2, p. 148
3/25/14	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
3/25/14	11:25					hilea??					59.2	low I (Cancani); 0.08 mpu	2.99				2.99	nomo		duration 1 min 49 sec	ESPHVO, v. 2, p. 148
3/25/14	19:49					hilea??					51.2	III (Cancani); 0.6 mpu	4.07				4.07	nomo		duration 37 sec	ESPHVO, v. 2, p. 148
3/25/14	20:46					hilea??					49.6	low I (Cancani); 0.06 mpu	2.69				2.69	nomo		duration 1 min 47 sec	ESPHVO, v. 2, p. 148
3/26/14	5:44					hilea??					53.6	high II (Cancani); 0.45 mpu	3.93				3.93	nomo		duration 43 sec	ESPHVO, v. 2, p. 148
3/26/14	17:01					kaoiki??					21.9	low III (Cancani); 0.6 mpu	3.48				3.48	nomo		duration 37 sec	ESPHVO, v. 2, p. 148
3/26/14	17:06					kl cal 0-5??					3.6	medium II (Cancani); 0.4 mpu	1.98				1.98	nomo		duration 04 sec	ESPHVO, v. 2, p. 149
3/26/14	17:06					kaoiki??					20.8	low IV (Cancani); 1.1 mpu	3.80				3.80	nomo		duration 53 sec	ESPHVO, v. 2, p. 149

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
3/29/14	15:47					kaoiki??					22.4	low I (Cancani); 0.14 mpu	2.64				2.64	nomo		duration 1 min 53 sec	ESPHVO, v. 2, p. 149
3/29/14	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
3/29/14	23:08					unknown						low I (Cancani); 0.095 mpu								duration 46 sec	ESPHVO, v. 2, p. 149
3/30/14	10:19					kl sf??					12.8	low I (Cancani); 0.08 mpu	1.92				1.92	nomo		duration 40 sec	ESPHVO, v. 2, p. 149
4/3/14	22:30					kl sf??					19.2	III-IV (Cancani); 1.0 mpu	3.68				3.68	nomo		duration 1 min 15 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/4/14	8:14					kl sf??					19.2	high I (Cancani); 0.19 mpu	2.71				2.71	nomo		duration 1 min 35 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/4/14	19:06					kaoiki??					22.4	III-IV (Cancani); 1.0 mpu	3.79				3.79	nomo		duration 1 min 16 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/6/14	15:20					kl sf??					20.8	II (Cancani); 0.35 mpu	3.12				3.12	nomo		duration 46 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/9/14	15:13					kaoiki??					19.2	high III (Cancani); 0.9 mpu	3.62				3.62	nomo		.8-.9 mpu; duration 34 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/12/14	23:27					kl sf??					17.9	low III (Cancani); 0.6 mpu	3.34				3.34	nomo		duration 48 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/13/14	0:48					kaoiki??					22.9	medium III (Cancani); 0.7 mpu	3.60				3.60	nomo		duration 38 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/13/14	4:15					hilea??					46.4	IV (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
4/13/14	13:01					kaoiki??					17.0	high II (Cancani); 0.4 mpu	3.06				3.06	nomo		duration 1 min 05 sec	ESPHVO, v. 2, p. 149; repeated in Wood/1915, table III, p. 49
4/13/14	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
4/15/14	1:57					kaoiki?													felt	Warshauer notes: A slight earthquake shock was felt by a number of persons in Hilo shortly before 2 o'clock last Tuesday morning. They say it was only one brief tremor, noticeable in their homes but having no material effect and causing no damage.	not found in Honolulu Station Bulletin (Hazard, 1916); not found on hon film record; HH, 4/17/1914 [time agrees with HVO and Lyman diary one day later. Same event as below with newspaper date in error?]
4/15/14	1:57					kaoiki?					21.9	IV (Cancani); 1.6 mpu	3.92				3.92	nomo	II	duration 1 min 24 sec based on corrected end time in Wood, 1915, table 3, p. 49; Lyman notes: about 2 am a slight shock, like a bump from the mountain N + S. A slight tremor the day before (time?; probably refers to event on April 13 at 9:28:37 PM]	not found in Honolulu Station Bulletin (Hazard, 1916); ESPHVO, v. 2, p. 149; WKC, 1992, p. 31; repeated in Wood/1915, table III, p. 49
4/16/14																					ESPHVO, v. 2, p. 156 [bad weather prevents solar time corrections; catalog entries resume about 7/9 after Wood returns to HVO]

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
4/21/14	7:24					kl sf??					19.8	medium III (Cancani); 0.7 mpu	3.50				3.50	nomo		.3-.7 mpu; duration 55 sec	ESPHVO, v. 2, p. 193; repeated in Wood/1915, table III, p. 49
4/29/14	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
4/29/14	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?]
4/29/14	18:37					unknown						low I (Cancani); 0.056 mpu								duration 50 sec	ESPHVO, v. 2, p. 193; repeated in Wood/1915, table III, p. 49
4/30/14	3:18					unknown						low III (Cancani); 0.65 mpu								duration 1 min 04 sec	ESPHVO, v. 2, p. 193; repeated in Wood/1915, table III, p. 49
4/30/14	11:28					ml mok??					29.8	low III (Cancani); 0.7 mpu	3.78				3.78	nomo		duration 1 min 30 sec	ESPHVO, v. 2, p. 193; repeated in Wood/1915, table III, p. 49
5/2/14	18:43					oahu??								<3.6			3.30	desp	III	two shocks a few seconds apart felt in all parts of Honolulu and surrounding areas; no damage	not found in Honolulu Station Bulletin (Hazard, 1916); not seen on Hon film record; not recorded at Whitney vault; HT, 5/5/1914
5/12/14	11:12					unknown						III-IV (Cancani); 1.0 mpu								duration 30 sec	ESPHVO, v. 2, p. 193; repeated in Wood/1915, table III, p. 49
5/12/14	21:10					kaoiki?					24.8	III (Cancani); 0.9 mpu	3.79				3.79	nomo	III; I (R F)	started ordinary seismograph, barely felt locally, more strongly on Mauna Loa south slopes; duration 2 min 20 sec; [ESPHVO, v. 2, p. 166 gives time at 9:05 PM, distance of 56 km, data presumably superseded in systematic report on p. 194]	ESPHVO, v. 2, p. 166, 194; repeated in Wood/1915, table III, p. 49
5/12/14	21:59					kaoiki?					19.8	high II (Cancani); 0.45 mpu	3.24				3.24	nomo		duration 37 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
5/13/14	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
5/22/14	4:38					kaoiki??					20.8	medium II (Cancani); 0.35 mpu	3.12				3.12	nomo		duration 59 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
5/23/14	19:52					hilea??					40.0	II (Cancani); 0.3 mpu	3.49				3.49	nomo		duration 1 min 37 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
5/24/14	5:27					kl sf??					20.8	II-III (Cancani; 0.5 mpu	3.33				3.33	nomo		duration 1 min 24 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
5/26/14	2:01					kl sf??					20.8	high II (Cancani); 0.4 mpu	3.20				3.20	nomo		duration 35 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
5/27/14	15:30					hilea??					48.0	medium I (Cancani); 0.14 mpu	3.17				3.17	nomo		duration 1 min 40 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
5/28/14	9:17					kl sf??					14.9	high I (Cancani); 0.24 mpu	2.67				2.67	nomo		duration 1 min 30 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
5/29/14	20:23					kl sf??					16.0	medium III (Cancani); 0.8 mpu	3.43				3.43	nomo		duration 56 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/1/14	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?]
6/1/14	12:16					kl sf??					11.0	II-III (Cancani); 0.6 mpu	3.00				3.00	nomo		duration 48 sec; distance nearby	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49; felt locally
6/2/14	5:15					unknown						low I (Cancani); 0.065 mpu								duration 38 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/2/14	17:25					kl sf??					12.0	medium III (Cancani); 0.65 mpu	3.10				3.10	nomo		duration 51 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/2/14	18:24					kl sf??					12.0	medium III (Cancani); 0.65 mpu	3.10				3.10	nomo		duration 38 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/5/14	16:54					ml ner??					24.0	medium II (Cancani); 0.32 mpu	3.17				3.17	nomo		duration 1 min 21 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/11/14	22:06					hilea??					43.2	medium I (Cancani); 0.11 mpu	2.95				2.95	nomo		duration 1 min 48 sec; NE direction	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/15/14	13:54					unknown						medium-high I (Cancani); 0.2 mpu								duration 30 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/17/14	8:43					kl sf??					19.2	low I (Cancani); 0.065 mpu	2.08				2.08	nomo		duration 57 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/19/14	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
6/20/14	0:47					kl sf??					18.7	II-III (Cancani); 0.5 mpu	3.26				3.26	nomo		duration 48 sec	ESPHVO, v. 2, p. 194; repeated in Wood/1915, table III, p. 49
6/20/14	13:46					ml ner??					16.0	IV (Cancani); 1.9 mpu	3.93	<5.22			3.93	nomo	V (hilo)	moderate local shock, felt in Hilo and disturbed ordinary seismograph; time given as 1:40 PM; duration 2 min 38 sec, not felt locally; Lyman notes: a moderate 2 shock shake from Mauna Loa	ESPHVO v. 2, p. 186, 195; repeated in Wood/1915, table III, p. 49; not reported in HH
6/25/14	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
7/1/14	2:28					ml mok??					32.0	low I (Cancani); 0.048 mpu	2.22				2.22	nomo		duration 54 sec; started the ordinary seismograph	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/1/14	17:37					unknown						II-III (Cancani); 0.5 mpu								duration 1 min 21 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/2/14	17:30					unknown						II-III (Cancani); 0.5 mpu									ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/14	14:42					kaoiki??					19.8	medium I (Cancani); 0.1 mpu	2.59				2.59	nomo		duration 1 min 56 sec; Warshauer notes: sixteen local earthquakes were registered. All but two of these occurred within a period of forty-eight hours on July 5, 6 and 7, eleven of them between 2:44 p.m. July 5 and 1:41 a.m. July 6	ESPHVO, v. 2, p. 188, 195; repeated in Wood/1915, table III, p. 49; HT, 7/14/1914

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
7/5/14	15:16					kaoiki??					19.8	V (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
7/5/14	15:51					kaoiki??					19.5	III-IV (Cancani); 1.2 mpu	3.80				3.80	nomo		feeble; duration 1 min 22 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/14	16:36					kaoiki??					20.8	low II (Cancani); 0.27 mpu	2.97				2.97	nomo		moderate-strong; duration 1 min 27 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/14	18:42					kaoiki??					20.8	low I (Cancani); 0.11 mpu	2.45				2.45	nomo		feeble; duration 1 min 39 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/14	19:18					kaoiki??					20.8	VI (Cancani); 6.2 mpu	4.81	<5.2			4.81	nomo	felt	moderate-strong; distinctly felt in volcano	not found in Honolulu Station Bulletin (Hazard, 1916); looked for, not seen on hon film record; ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49; HT, 7/14/1914; not found in PCA or HH
7/5/14	19:25					kaoiki??					20.8	low III (Cancani); 0.535 mpu	3.37				3.37	nomo		duration 1 min 56 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/14	19:30					kaoiki??					20.8	very low I (Cancani); 0.088 mpu	2.31				2.31	nomo		feeble; duration 1 min 48 sec; distance assumed	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/14	20:03					kaoiki??					20.8	low I (Cancani); 0.13 mpu	2.54				2.54	nomo		feeble; duration 37 sec; distance assumed	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/5/14	21:37					kaoiki??					32.0	low I (Cancani); 0.08 mpu	2.56				2.56	nomo		feeble; duration 2 min 11 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/6/14	1:39					kaoiki??					21.9	III (Cancani); 0.94 mpu	3.74				3.74	nomo		moderate-strong; duration 1 min 34 sec; Warshauer notes: sixteen local earthquakes were registered. All but two of these occurred within a period of forty-eight hours on July 5, 6 and 7, eleven of them between 2:44 p.m. July 5 and 1:41 a.m. July 6	ESPHVO, v. 2, p. 188, 195; repeated in Wood/1915, table III, p. 49; HT, 7/14/1914
7/6/14	11:05					kaoiki??					20.8	low I (Cancani); 0.07 mpu	2.18				2.18	nomo		feeble; duration 1 min 42 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/6/14	12:45					ml mok??					32.0	high I (Cancani); 0.225 mpu	3.16				3.16	nomo		feeble; duration 1 min 44 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/6/14	13:23					kaoiki??					20.8	low I (Cancani); 0.065 mpu	2.14				2.14	nomo		feeble; duration 1 min 41 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/8/14	11:47					kaoiki??					20.8	low I (Cancani); 0.06 mpu	2.09				2.09	nomo		very feeble; duration 1 min 01 sec; distance assumed	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/8/14	19:21					kaoiki??					20.8	low I (Cancani); 0.08 mpu	2.26				2.26	nomo		very feeble; duration 1 min 43 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/9/14	9:36					kaoiki??					11.0	III (Cancani); 0.95 mpu	3.27				3.27	nomo		duration 1 min 42 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/9/14	13:31					kaoiki??					11.0	low I (Cancani); 0.075 mpu	1.78				1.78	nomo		duration 1 min 14 sec	ESPHVO, v. 2, p. 195; repeated in Wood/1915, table III, p. 49
7/9/14	13:38					kaoiki??					20.8	low I (Cancani); 0.19 mpu	2.77				2.77	nomo		duration 1 min 42 sec	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
7/9/14	14:18					kaoiki??					20.8	low II (Cancani); 0.3 mpu	3.03				3.03	nomo		duration 42 sec; distance assumed	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/9/14	17:24					kaoiki??					16.0	low II (Cancani); 0.3 mpu	2.85				2.85	nomo		duration 1 min 38 sec	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/14/14	21:19					kaoiki??					20.8	medium I (Cancani); 0.16 mpu	2.67				2.67	nomo		duration 1 min 28 sec	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/16/14	6:17					kaoiki??					20.8	low I (Cancani); 0.09 mpu	2.33				2.33	nomo		duration 43 sec; distance assumed	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/17/14	0:11					kaoiki??					30.9	I (Cancani); 0.11 mpu	2.72				2.72	nomo		duration 2 min 08 sec	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/17/14	20:39					kaoiki??					25.0	low I (Cancani); 0.055 mpu	2.17				2.17	nomo		duration 1 min 28 sec	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/19/14	8:50					kaoiki??					18.9	III-IV (Cancani); 1.1 mpu	3.73				3.73	nomo		sharp (Hilo); duration 35 sec	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/20/14	4:03					ml mok??					32.0	Intensity IV V (Cancani); 2.5 mpu	4.58	5.03			5.03	hono	V (hilo); II (R-F)	distinctly felt by 2 persons and one or two more were wakened [Hawaii National Park?]; a felt shock; Lyman notes: a sharp shock at 4:15 am; Warshauer notes: shock felt from Hilo to volcano, sharp, 3 distinct parts, duration several seconds; no damage	not found in Honolulu Station Bulletin (Hazard, 1916); detected? on hon film record; ESPHVO v. 2, p.193, 196; repeated in Wood/1915, table III, p. 49; WKC, 1992, p. 31; HH, 7/24/1914; not found in PCA
7/22/14	9:09					unknown						high II (Cancani); 0.4 mpu								duration 44 sec	ESPHVO, v. 2, p. 196; repeated in Wood/1915, table III, p. 49
7/22/14	20:36					kaoiki??					20.8	II-III (Cancani); 0.55 mpu	3.39				3.39	nomo		duration 1 min 16 sec	ESPHVO, v. 2, p. 198; repeated in Wood/1915, table III, p. 49
7/23/14	3:41					kl sf??					11.0	medium I (Cancani); 0.14 mpu	2.15				2.15	nomo		duration 1 min 34 sec	ESPHVO, v. 2, p. 198; repeated in Wood/1915, table III, p. 49
7/29/14	22:45					hilea??					41.6	medium I (Cancani); 0.1 mpu	2.87				2.87	nomo		duration 36 sec	ESPHVO, v. 2, p. 226; repeated in Wood/1915, table III, p. 49
8/6/14	1:24					hilea??					41.6	medium I (Cancani); 0.165 mpu	3.16				3.16	nomo		duration 1 min 18 sec	ESPHVO, v. 2, p. 226; repeated in Wood/1915, table III, p. 49
8/6/14	7:15					hilea??					30.9	medium I (Cancani); 0.12 mpu	2.77				2.77	nomo		duration 48 sec	ESPHVO, v. 2, p. 226; repeated in Wood/1915, table III, p. 49
8/6/14	8:19					kaoiki??					19.8	III-IV (Cancani); 1.0 mpu	3.71				3.71	nomo		duration 48 sec	ESPHVO, v. 2, p. 226; started the ordinary seismograph; repeated in Wood/1915, table III, p. 49
8/10/14	2:30					kl cal 0-5					1.6	low III (Cancani); 0.75 mpu	1.79				1.79	nomo		duration 32 sec; maximum distance	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table III, p. 49
8/10/14	16:00					kaoiki??					20.8	high II (Cancani); 0.4 mpu	3.20				3.20	nomo		duration 1 min 16 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table III, p. 49
8/12/14	7:20					kl cal deep??					30.9	medium I (Cancani); 0.16 mpu	2.94				2.94	nomo		duration 48 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table III, p. 49

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
8/12/14																					August 12-September 28/1914: Whitney lab undergoing repairs, seismic registration suspended (ESPHVO v. 2, p 227); ESPHVO, v. 2, p. 204 notes: no felt earthquakes August 21-27
9/27/14	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
9/27/14	10:08					hilea?						observed-strong		do			do	do	do	Hon notes (20:30 GMT): probably local; strong shock, felt elsewhere, not HVO; triggered ordinary seismograph; no instrumental record; probably a succession of shocks, or several maxima in one shock; Wood has time of 10:08 for phases of same shock	W&K location is Mauna Loa; Hazard, 1916; ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43 [shocks of 9/27-28 considered precursory to ML eruption two months later]; WKC, 1992, p. 31; HH, 10/2/1914; not in PCA
9/27/14	10:08					hilea?													felt	7 additional shocks (after 10:08) registered at Whitney and 29 shocks felt at Kapapala from 27th morning to 28th evening; none felt at HVO	ESPHVO, v. 2, p. 213; HT, 10/5/1914 [repeats info in ESPHVO]
9/27/14	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
9/27/14	13:58					hilea?					33.6	I-II (Cancani); 0.27 mpu	3.31				3.31	nomo		duration 1 min 10 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/27/14	15:00					hilea?					33.6		3.54				3.54	desp		mid-PM; record so overscored that time and dimensions cannot be worked out; parameters for calculating magnitude assumed	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/27/14	21:54					hilea?					32.8	high I (Cancani); 0.25 mpu	3.24				3.24	nomo		duration 1 min 48 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/28/14	1:38					hilea?					34.4	I-II (Cancani); 0.27 mpu	3.32				3.32	nomo		duration 1 min 28 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/28/14	1:50					hilea?					32.0	medium I (Cancani); 0.12 mpu	2.80				2.80	nomo		duration 1 min 04 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/28/14	6:40					kaoiki??					25.6	low I (Cancani); 0.08 mpu	2.40				2.40	nomo		duration 56 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/28/14	18:45					hilea?					32.0	low II (Cancani); 0.38 mpu	3.47				3.47	nomo		duration 2 min 12 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/28/14	20:40					hilea?					32.0	low I (Cancani); 0.08 mpu	2.56				2.56	nomo		duration 1 min 52 sec; distance assumed	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/28/14	22:41					kaoiki??					30.9	II-I11 (Cancani); 0.5 mpu	3.61				3.61	nomo		duration 30 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/28/14	23:17					kaoiki??					22.9	medium II (Cancani); 0.35 mpu	3.19				3.19	nomo		duration 48 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
9/29/14	0:45					kaoiki??					29.6	high III (Cancani); 0.95 mpu	3.95				3.95	nomo		duration 1 min 44 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43; corrected time from Wood/1915

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9/29/14	17:05					kaoiki??					29.8	medium I (Cancani); 0.12 mpu	2.75				2.75	nomo		duration 1 min 45 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
10/2/14	12:56					kaoiki??					22.9	I-II (Cancani); 0.28 mpu	3.06				3.06	nomo		duration 1 min 48 sec	ESPHVO, v. 2, p. 227; repeated in Wood/1915, table 1, p. 43
10/2/14	18:50					kaoiki??					22.9	medium I (Cancani); 0.16 mpu	2.80				2.80	nomo		duration 26 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/3/14	0:46					kaoiki??					24.0	high II (Cancani); 0.44 mpu	3.36				3.36	nomo		possibly 2.2 mpu; duration 2 min 16 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/4/14	5:20					kaoiki??					32.0	medium I (Cancani); 0.5 mpu	3.63				3.63	nomo		.11 mpu in ESPHVO; duration 1 min 00 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/6/14	15:33					kaoiki??					26.9	II-I11 (Cancani); 0.31 mpu	3.23				3.23	nomo		duration 43 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/7/14	2:21					kaoiki??					26.9	low I (Cancani); 0.056 mpu	2.23				2.23	nomo		duration 59 sec; distance assumed	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/10/14	1:28					kaoiki??					28.8	low I (Cancani); 0.08 mpu	2.49				2.49	nomo		duration 1 min 08 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/10/14	3:24					kaoiki??					26.8	medium I (Cancani); 0.18 mpu	2.91				2.91	nomo		.17 mpu in ESPHVO; duration 1 min 47 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/12/14	3:03					kaoiki??					14.9	high II (Cancani); 0.45 mpu	3.04				3.04	nomo		duration 55 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/13/14	23:56					kaoiki??					27.8	medium I (Cancani); 0.15 mpu	2.83				2.83	nomo		duration 1 min 32 sec	ESPHVO, v. 2, p. 228; repeated in Wood/1915, table 1, p. 43
10/18/14	15:08					kaoiki??					32.0	medium I (Cancani); 0.175 mpu	3.02				3.02	nomo		duration 2 min 00 sec	ESPHVO, v. 2, p. 219; repeated in Wood/1915, table 1, p. 43
10/21/14	2:50					kaoiki??					25.9	medium I (Cancani); 0.16 mpu	2.82				2.82	nomo		duration 45 sec	ESPHVO, v. 2, p. 219; repeated in Wood/1915, table 1, p. 43
10/21/14	18:49					hilea??					33.6	high I (Cancani); 0.24 mpu	3.24				3.24	nomo		possibly 1.15 mpu; duration 54 sec	ESPHVO, v. 2, p. 222; repeated in Wood/1915, table 1, p. 43
10/23/14	20:29					kaoiki??					24.0	medium I (Cancani); 0.14 mpu	2.69				2.69	nomo		duration 1 min 25 sec	ESPHVO, v. 2, p. 222; repeated in Wood/1915, table 1, p. 43
11/3/14	21:03					kl cal 0-5??					3.6	medium III (Cancani); 0.7 mpu	2.31				2.31	nomo		duration 18 sec; origin very near at hand	ESPHVO, v. 2, p. 222; repeated in Wood/1915, table 1, p. 43
11/3/14	21:03					kl cal 0-5??					3.6	high I (Cancani); 0.21 mpu	1.61				1.61	nomo		duration 1 min 14 sec; origin very near at hand	ESPHVO, v. 2, p. 222; repeated in Wood/1915, table 1, p. 43
11/3/14	21:08					kl cal 0-5??					3.6	low I (Cancani); 0.095 mpu	1.14				1.14	nomo		duration 15 sec; origin very near at hand	ESPHVO, v. 2, p. 222; repeated in Wood/1915, table 1, p. 43
11/4/14	3:03					kaoiki??					24.0	medium I (Cancani); 0.17 mpu	2.80				2.80	nomo		duration 1 min 32 sec	ESPHVO, v. 2, p. 222; repeated in Wood/1915, table 1, p. 43

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11/4/14	22:35					kaoiki??					26.9	low II (Cancani); 0.35 mpu	3.30				3.30	nomo		duration 26 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/5/14	21:00					kaoiki??					21.9	low II (Cancani); 0.38 mpu	3.43				3.43	nomo		duration 1 min 56 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/5/14	21:04					kaoiki??					24.8	I-II (Cancani); 0.26 mpu	3.46				3.46	nomo		duration 2 min 02 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/6/14	15:06					kaoiki??					21.9	low I (Cancani); 0.08 mpu	2.30				2.30	nomo		duration 1 min 22 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/6/14	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
11/7/14	6:42					hilea??					51.8	high I (Cancani); .0225 mpu	3.50				3.50	nomo		duration 1 min 27 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/7/14	10:29					hilea??					46.7	medium I (Cancani); 0.16 mpu	3.23				3.23	nomo		duration 1 min 08 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/7/14	11:36					hilea??					32.0	low II (Cancani); 0.3 mpu	3.33				3.33	nomo		duration 1 min 16 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/7/14	20:33					kaoiki??					20.8	high III (Cancani); 0.8 mpu	3.61				3.61	nomo		duration 1 min 41 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/8/14	3:01					kaoiki??					20.8	low I (Cancani); 0.07 mpu	2.18				2.18	nomo		duration 21 sec; distance assumed	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/8/14	5:29					kaoiki??					20.8	medium I (Cancani); 0.12 mpu	2.50				2.50	nomo		duration 30 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/8/14	7:10					hilea??					46.7	low I (Cancani); 0.065 mpu	2.70				2.70	nomo		duration 46 sec	ESPHVO, v. 2, p. 249; repeated in Wood/1915, table 1, p. 43
11/10/14	10:41					kaoiki??					22.9	low I (Cancani); 0.095 mpu	2.43				2.43	nomo		duration 1 min 19 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 43
11/10/14	18:42					kaoiki??					30.9	low I (Cancani); 0.1 mpu	2.66				2.66	nomo		duration 27 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 43
11/10/14	18:43					hilea??					32.0	low II (Cancani); 0.3 mpu	3.33				3.33	nomo		duration 1 min 33 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 43; not reported in HH
11/10/14	23:38					kl cal 05-10?					8.0	low III (Cancani); 0.6 mpu	2.78				2.78	nomo	II; I (R-F)	duration 1 min 50 sec; origin nearby; double shock; felt at HVO	ESPHVO, v. 2, p. 224, 250; repeated in Wood/1915, table 1, p. 43
11/11/14	8:25					kaoiki??					20.8	medium II (Cancani); 0.37 mpu	3.16				3.16	nomo		duration 39 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 43
11/13/14	13:34					kaoiki??					17.0	high I (Cancani); 0.24 mpu	2.76				2.76	nomo		duration 1 min 28 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/13/14	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

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
11/13/14	23:20					unknown						high III-IV (Cancani); 1.0 mpu								duration 1 min 02 sec; not perceived	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/15/14	12:50					kaoiki??					18.7	low IV (Cancani); 2.2 mpu	4.13	<5.16			4.13	nomo	V	duration 2 min 48 sec; felt gently; Warshauer notes: before one PM [Nov. 15], a more severe shake [than on the 13th], south to north, duration 10 sec, rattled windows and threw pictures out of plumb again	not found in Hon film record; ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44; HH, 11/20/1914; not found in PCA
11/16/14	13:23					hilea??					32.0	low III (Cancani); 0.55 mpu	3.69				3.69	nomo		duration 1 min 38 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/17/14	3:12					kaoiki??						low IV (Cancani); 1.1 mpu	3.80				3.76	nomo		duration 46 sec; not perceived at HVO	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/17/14	7:29					kaoiki??					20.8	low II (Cancani); 0.35 mpu	3.12				3.12	nomo		duration 13 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/17/14	17:44					kaoiki??					22.9	high II (Cancani); 0.42 mpu	3.30				3.30	nomo		duration 42 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/17/14	20:30					kaoiki??						medium I (Cancani); 0.12 mpu	2.50				2.50	nomo		duration 31 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/18/14	9:40					kaoiki??					24.8	medium I (Cancani); 0.165 mpu	2.81				2.81	nomo		duration 52 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/18/14	11:15					hilea??					32.5	low II (Cancani); 0.3 mpu	3.34				3.34	nomo		duration 1 min 31 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/18/14	13:43					kaoiki??					20.8	I-II (Cancani); 0.25 mpu	2.93				2.93	nomo		duration 1 min 02 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/18/14	16:37					kaoiki??					25.9	medium I (Cancani); 0.19 mpu	2.92				2.92	nomo		duration 1 min 25 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/19/14	2:31					kaoiki??					16.8	medium I (Cancani); 0.19 mpu	2.62				2.62	nomo		duration 49 sec; possibly 1.15 mpu; not perceived	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/19/14	2:44					kaoiki??					17.0	high II (Cancani); 0.4 mpu	3.06				3.06	nomo		duration 49 sec; possibly 2.5 mpu; not perceived	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/19/14	16:46					kl uer??					8.5	medium IV (Cancani); 2.8 mpu	3.72				3.72	nomo		duration 28 sec; exceptionally short period	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/19/14	19:17					kaoiki??					20.8	medium I (Cancani); 0.175 mpu	2.72				2.72	nomo		duration 1 min 34 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/19/14	20:06					kaoiki??					16.0	low III (Cancani); 0.7 mpu	3.35				3.35	nomo		duration 1 min 27 sec	ESPHVO, v. 2, p. 250; repeated in Wood/1915, table 1, p. 44
11/19/14	20:09					unknown						low III (Cancani); 0.7 mpu								duration 44 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	3:09					unknown						low I (Cancani); 0.065 mpu								duration 59 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	3:13					unknown						low I (Cancani); 0.05 mpu								duration 59 sec	ESPHVO, v. 2, p. 251; 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
11/20/14	3:44					unknown						low I (Cancani); 0.04 mpu								duration 1 min 06 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	3:54					ml mok??					32.0	medium I (Cancani); 0.18 mpu	3.03				3.03	nomo		duration 1 min 13 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	6:11					kl uer??					7.7	I-II (Cancani); 0.27 mpu	2.28				2.28	nomo		duration 1 min 34 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	6:15					unknown						low I (Cancani); 0.065 mpu								duration 1 min 02 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	10:27					kaoiki??					29.6	low I (Cancani); 0.065 mpu	2.38				2.38	nomo		duration 42 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	11:46					unknown						I-II (Cancani); 0.3 mpu								duration 23 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	13:48					kaoiki??					29.8	high II (Cancani); 0.45 mpu	3.52				3.52	nomo		duration 35 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/20/14	17:39					kaoiki??					19.8	II-III (Cancani); 0.5 mpu	3.30				3.30	nomo		duration 41 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/21/14	16:00					kaoiki??					22.9	III-IV (Cancani); 1.0 mpu	3.81				3.81	nomo		duration 1 min 20 sec; minimum mpu; not perceived at HVO	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/21/14	18:03					kaoiki??					20.8	high III (Cancani); 0.9 mpu	3.68				3.68	nomo		duration 2 min 02 sec; not perceived at HVO	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/22/14	3:56					unknown						low I (Cancani); 0.07 mpu								duration 50 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/22/14	23:55					unknown						high II (Cancani); 0.45 mpu								duration 14 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/23/14	6:23					hilea??					51.2	high I (Cancani); 0.2 mpu	3.42				3.42	nomo		duration 1 min 29 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/23/14	22:11					unknown						I-II (Cancani); 0.25 mpu								duration 13 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/23/14	23:30					unknown						low I (Cancani); 0.064 mpu								duration 45 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/24/14	9:53					kaoiki??					16.0	high III (Cancani); 0.83 mpu	3.45				3.45	nomo		duration 1 min 18 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/24/14	9:57					unknown						low I (Cancani); 0.065 mpu								duration 24 sec	ESPHVO, v. 2, p. 251; repeated in Wood/1915, table 1, p. 44
11/25/14	12:17					ml mok?					36.0	low I (Cancani); 0.096 mpu	2.75				2.75	nomo		duration 1 min 41 sec; distance 20-25 mi	ESPHVO, v. 2, p. 261; repeated in Wood/1915, table 1, p. 44; [beginning of shallow earthquake swarm preceding and accompanying summit eruption]
11/25/14	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

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
11/25/14	12:25					ml mok?														personnel at Kapapala ranch saw smoke between noon and one PM at the time of the intense earthquake swarm	Mokuaweoweo eruption begins; Corrected time given in Jaggar/1915, American Journal of Science, 4th series, v. 40, p. 621; ESPHVO, v. 2, p. 255; not found in HH or PCA
11/25/14	12:25					ml mok?					36.0	low II (Cancani); 0.3 mpu	3.42				3.42	nomo		duration 1 min 24 sec	ESPHVO, v. 2, p. 261; repeated in Wood/1915, table 1, p. 44
11/25/14	12:27					ml mok?					36.0	high I (Cancani); 0.21 mpu	3.21				3.21	nomo		duration 1 min 36 sec	ESPHVO, v. 2, p. 261; repeated in Wood/1915, table 1, p. 44
11/25/14	12:30					ml mok?					36.0	medium I (Cancani); 0.165 mpu	3.06				3.06	nomo		duration 48 sec	ESPHVO, v. 2, p. 261; repeated in Wood/1915, table 1, p. 44
11/25/14	12:53					ml mok?					36.0	low II (Cancani); 0.32 mpu	3.45				3.45	nomo		duration 1 min 21 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 1, p. 44
11/25/14	12:57					ml mok?					36.0	low I (Cancani); 0.065 mpu	2.52				2.52	nomo		duration 1 min 45 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 1, p. 44
11/25/14	13:17					ml mok?					36.0	low I (Cancani); 0.065 mpu	2.52				2.52	nomo		duration 1 min 18 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 1, p. 44
11/25/14	13:26					ml mok?					38.4	medium I (Cancani); 0.18 mpu	3.16				3.16	nomo		duration 1 min 47 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 1, p. 44
11/25/14	13:41					ml mok?					36.0	0.2 mpu	3.18				3.18	nomo		duration 1 min 23 sec	not in ESPHVO; added from Wood/1915, table 1, p. 44
11/25/14	13:49					ml mok?					36.0	low I (Cancani); 0.05 mpu	2.36				2.36	nomo		duration 1 min 06 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 1, p. 44
11/25/14	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
11/25/14	16:00																			white smoke seen from Pahala about 4 PM; glow from summit eruption seen at 6:15 PM; visibility from HVO nil between 4 PM and 6:15 PM	ESPHVO, v. 2, p. 237, 243
11/26/14	23:16					ml mok??					36.8	low I (Cancani); 0.11 mpu	3.12				3.12	nomo		duration 1 min 21 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
11/27/14	18:48					ml mok??					40.0	low II (Cancani); 0.32 mpu	3.80				3.80	nomo		duration 1 min 00 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/9/14	10:55					hilea??					51.2	low I (Cancani); 0.11 mpu	3.35				3.35	nomo		duration 54 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/10/14	8:21					ml mok??					32.0	low I (Cancani); 0.11 mpu	3.02				3.02	nomo		duration 44 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/13/14	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
12/17/14	19:05					kaoiki??					19.8	>IV (Cancani); 1.55 mpu	3.96				3.96	nomo		1.2 mpu in ESPHVO; duration 1 min 02 sec; not perceived at HVO	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/18/14	7:52					unknown						low I (Cancani); 0.07 mpu								duration 1 min 33 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46

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12/19/14	16:42					ml mok??					32.0	low II (Cancani); 0.27 mpu	3.55				3.55	nomo		duration 1 min 34 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/19/14	21:05					unknown						low I (Cancani); 0.08 mpu								duration 1 min 00 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/22/14	20:37					kaoiki??					16.8	high III (Cancani); 0.9 mpu	3.81				3.81	nomo		duration 19 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/22/14	23:03					hilea??					46.4	medium I (Cancani); 0.175 mpu	3.55				3.55	nomo		duration 57 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/23/14	15:47					kaoiki??					28.8	medium I (Cancani); 0.135 mpu	3.07				3.07	nomo		duration 1 min 11 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/27/14	8:47					hilea??					46.4	high I (Cancani); 0.22 mpu	3.69				3.69	nomo		duration 1 min 25 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/28/14	0:49					hilea??					46.4	medium I (Cancani); 0.11 mpu	3.28				3.28	nomo		duration 1 min 05 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
12/28/14	5:09					unknown						III (Cancani); 0.7 mpu								duration 30 sec	ESPHVO, v. 2, p. 262; repeated in Wood/1915, table 2, p. 46
1/1/15	13:40					ml swr?					47.0		3.23				3.23	nomo			SBHVO, v. 1, no. 1
1/3/15	18:15					kl uer?					10.0		2.09				2.09	nomo			SBHVO, v. 1, no. 1
1/11/15																				Mokuaweoweo eruption ends (approx.)	ESPHVO, v. 2, p. 266
1/11/15	3:40					a2025					21.0		2.67				2.67	nomo			SBHVO, v. 1, no. 1
1/12/15	18:56					a2025					21.0		2.85				2.85	nomo			SBHVO, v. 1, no. 1
1/12/15	20:18					a2025					22.0		3.59				3.59	nomo			SBHVO, v. 1, no. 1
1/13/15	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	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; ESPHVO, v. 2, p. 267; SBHVO, v. 1, no. 1; WKC, 1992, p. 31; not found in HH or PCA
1/14/15	16:04					a1320					18.0		2.50				2.50	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 1
1/16/15	1:06					a2025					21.0		2.50				2.50	nomo			SBHVO, v. 1, no. 1
1/17/15	2:14					a2025					22.0		2.67				2.67	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 1
1/17/15	7:16					a3035					31.0		3.18				3.18	nomo			SBHVO, v. 1, no. 1
1/18/15	2:53					a2025					21.0		3.86				3.86	nomo			SBHVO, v. 1, no. 1
1/22/15	7:22					a2530					26.0		3.16				3.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 1
1/22/15	23:26					a2025					22.0		2.64				2.64	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 1
1/23/15	13:25					a1320					18.0		3.66				3.66	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 1
1/25/15	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

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1/26/15	21:35					hilea?					38.0		2.95				2.95	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
1/26/15	23:10					a2025					21.0		2.87				2.87	nomo			SBHVO, v. 1, no. 1
1/27/15	6:56					ml mok?					34.0		3.89				3.89	nomo			SBHVO, v. 1, no. 1
1/30/15	4:37					a1320					16.0		3.25				3.25	nomo			SBHVO, v. 1, no. 1
1/30/15	18:01					a3035					33.0		3.01				3.01	nomo			SBHVO, v. 1, no. 1
1/30/15	21:47					a3035					32.0		3.55				3.55	nomo			SBHVO, v. 1, no. 1
2/2/15	16:22					hilea?					38.0		2.38				2.38	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
2/2/15	17:23					a2025					25.0		2.18				2.18	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
2/2/15	21:20					a2025					23.0		3.36				3.36	nomo			SBHVO, v. 1, no. 1
2/3/15	23:20					hilea?					38.0		2.62				2.62	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
2/4/15	0:10					hilea?					38.0		2.73				2.73	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
2/23/15																					SBHVO, v. 1, no. 1 [from 14 to 23 February, service interrupted due to illness]
2/27/15	10:21					a2025					21.0		2.78				2.78	nomo			SBHVO, v. 1, no. 1
2/27/15	10:27					a2025					21.0		3.63				3.63	nomo			SBHVO, v. 1, no. 1
3/5/15	11:59					a2025					21.0		2.61				2.61	nomo			SBHVO, v. 1, no. 2
3/5/15	12:13					a2025					22.0		2.30				2.30	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 2
3/8/15	17:58					a2025					22.0		2.57				2.57	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 2
3/8/15	20:07					a2025					21.0		2.46				2.46	nomo			SBHVO, v. 1, no. 2
3/12/15	12:18					a2025					20.0		3.04				3.04	nomo			SBHVO, v. 1, no. 2
3/13/15	15:11					a2025					21.0		2.06				2.06	nomo			SBHVO, v. 1, no. 2
3/14/15	3:41					a2025					21.0		2.32				2.32	nomo			SBHVO, v. 1, no. 2
3/14/15	7:06					a2025					20.5		2.52				2.52	nomo			SBHVO, v. 1, no. 2
3/15/15	0:04					a2025					20.0		3.58				3.58	nomo	V	not felt at HVO but capable of overturning a very top heavy vase filled with long-stemmed flowers	ESPHVO, v. 2, p. 282; SBHVO, v. 1, no. 2
3/15/15	9:26					a2025					21.0		2.27				2.27	nomo			SBHVO, v. 1, no. 2
3/16/15	11:14					a2025					20.0		2.02				2.02	nomo			SBHVO, v. 1, no. 2
3/22/15	14:41					hilea?					38.0		2.68				2.68	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 2
3/24/15	10:00					unknown						m								a shock of moderate instrumental magnitude, the only one this week	time given as "early forenoon"; ESPHVO, v. 2, p. 283; omitted from SBHVO, v. 1, no. 2
3/27/15	23:57					kona											2.80	desp	felt	felt at Kealakekua, described as IV-V (R-F) [inconsistent with not being recorded at HVO]; not felt or recorded at HVO	ESPHVO, v. 2, p. 285; omitted from SBHVO, v. 1, no. 2
3/28/15	8:09					kaoiki??					21.0		2.20				2.20	nomo			SBHVO, v. 1, no. 2
3/28/15	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]

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
3/28/15	8:26					kaoiki??					21.0		do	do			do	do	do	Warshauer notes: most severe in Hilo in a number of years; appears to be more severe at Hilo than on Pahala side or at HVO; felt all Hawaii island, houses shook, dishes off table, windows rattle;	HT, 3/30/1915; HSB 3/29/1915; MN, 4/3/1915; not in HH or PCA
3/28/15	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
3/29/15	1:38					kaoiki??					21.0		2.27				2.27	nomo			SBHVO, v. 1, no. 2
3/29/15	20:44					kaoiki??					21.0		2.37				2.37	nomo			SBHVO, v. 1, no. 2
3/29/15	22:02					kaoiki??					21.0		3.50				3.50	nomo			SBHVO, v. 1, no. 2
3/30/15	3:51					a3035					32.0		2.71				2.71	nomo			SBHVO, v. 1, no. 2
3/30/15	10:01					a3035					31.0		2.54				2.54	nomo			SBHVO, v. 1, no. 2
3/30/15	15:40					kaoiki??					21.0		2.37				2.37	nomo			SBHVO, v. 1, no. 2
3/31/15	1:44					kaoiki??					21.0		2.46				2.46	nomo			SBHVO, v. 1, no. 2
3/31/15	6:47					a3035					31.0		3.16				3.16	nomo			SBHVO, v. 1, no. 2
4/1/15	5:31					ml swr?					44.0		2.65				2.65	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 2
4/2/15	19:16					kaoiki??					21.0		2.42				2.42	nomo			SBHVO, v. 1, no. 2
4/8/15	2:41					a3035					31.0		3.76				3.76	nomo		one of two quakes strong enough to trigger the ordinary seismograph	ESPHVO, v. 2, p. 289-290; SBHVO, v. 1, no. 2
4/8/15	16:42					a3035					31.0		2.54				2.54	nomo			SBHVO, v. 1, no. 2
4/8/15	23:40					kl uer?					10.0		2.67				2.67	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 2
4/11/15	2:23					a2025					21.0		3.97				3.97	nomo	II; II (R F)	one of two quakes strong enough to trigger the ordinary seismograph; felt by one person lying awake	ESPHVO, v. 2, p. 289-290; SBHVO, v. 1, no. 2
4/13/15	8:49					a2025					21.0		2.61				2.61	nomo			SBHVO, v. 1, no. 2
4/13/15	11:20					a2025					21.0		3.41				3.41	nomo			SBHVO, v. 1, no. 2
4/13/15	11:24					kl uer?					10.0		1.95				1.95	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 2
4/17/15	13:43					a2025					21.0		2.67				2.67	nomo			SBHVO, v. 1, no. 2
4/17/15	18:17					a2025					21.0		3.32				3.32	nomo			SBHVO, v. 1, no. 2
4/18/15	20:17					a2025					25.0		2.09				2.09	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 2
4/18/15	22:18					a2530					26.0		2.88				2.88	nomo			SBHVO, v. 1, no. 2
4/25/15	13:58					hilea?					41.0		2.73				2.73	nomo			SBHVO, v. 1, no. 2
4/25/15	14:16					a3035					31.0		2.77				2.77	nomo			SBHVO, v. 1, no. 2
4/28/15	7:12					kl cal 0-5?					6.0		1.80				1.80	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 2
4/29/15	17:30					a3035					31.0		2.69				2.69	nomo			SBHVO, v. 1, no. 2
5/3/15	11:45					hilea?					41.0		2.97				2.97	nomo			SBHVO, v. 1, no. 3
5/4/15	2:01					a2025					21.0		2.95				2.95	nomo			SBHVO, v. 1, no. 3
5/4/15	2:09					a2025					21.0		2.98				2.98	nomo			SBHVO, v. 1, no. 3
5/4/15	19:42					a2025					21.0		3.77				3.77	nomo			SBHVO, v. 1, no. 3
5/6/15	11:55					hilea?					41.0		2.84				2.84	nomo			SBHVO, v. 1, no. 3
5/8/15	13:34					a2025					21.0		2.27				2.27	nomo			SBHVO, v. 1, no. 3
5/9/15	21:31					a2025					21.0		2.78				2.78	nomo			SBHVO, v. 1, no. 3
5/10/15	0:22					a2025					24.0		2.76				2.76	nomo			SBHVO, v. 1, no. 3
5/11/15	17:08					a2025					21.0		2.27				2.27	nomo			SBHVO, v. 1, no. 3
5/12/15	1:17					a2025					21.0		3.06				3.06	nomo			SBHVO, v. 1, no. 3
5/12/15	2:04					a2025					23.0		2.20				2.20	nomo			SBHVO, v. 1, no. 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/13/15	7:21					a2530					27.0		2.72				2.72	nomo			SBHVO, v. 1, no. 3
5/15/15	10:36					a2025					23.0		3.68				3.68	nomo			SBHVO, v. 1, no. 3
5/15/15	10:46					hilea?					38.0		2.38				2.38	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
5/15/15	12:39					a3035					31.0		2.94				2.94	nomo			SBHVO, v. 1, no. 3
5/15/15	17:19					a3035					30.0		2.21				2.21	nomo			SBHVO, v. 1, no. 3
5/15/15	22:49					a2025					21.0		2.37				2.37	nomo			SBHVO, v. 1, no. 3
5/16/15	9:36					a2530					27.0		2.14				2.14	nomo			SBHVO, v. 1, no. 3
5/17/15	6:36					a1320					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
5/18/15	18:13					a2025					21.0		2.06				2.06	nomo			SBHVO, v. 1, no. 3
5/19/15	17:03					a3035					31.0		3.07				3.07	nomo			SBHVO, v. 1, no. 3
5/25/15	4:59					a3035					31.0		2.94				2.94	nomo			SBHVO, v. 1, no. 3
5/25/15	13:41					a3035					31.0		2.41				2.41	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
5/26/15	5:38					a3035					32.0		3.29				3.29	nomo	felt	Warshauer notes: slight shock felt at Hilo at 5 a.m.	SBHVO, v. 1, no. 3; HH, 5/28/1915; HT, 6/1/1915; not found in PCA or HSB
5/26/15	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
5/26/15	12:41					a2025					23.0		2.33				2.33	nomo			SBHVO, v. 1, no. 3
5/26/15	13:52					a2025					21.0		2.70				2.70	nomo			SBHVO, v. 1, no. 3
5/26/15	18:59					a2025					21.0		2.37				2.37	nomo			SBHVO, v. 1, no. 3
5/27/15	3:09					a2025					21.0		2.46				2.46	nomo			SBHVO, v. 1, no. 3
5/27/15	5:20					a2025					21.0		2.61				2.61	nomo			SBHVO, v. 1, no. 3
5/30/15	10:28					a2025					22.0		2.40				2.40	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 3
6/1/15	9:27					a2025					21.0		3.09				3.09	nomo			SBHVO, v. 1, no. 3
6/2/15	1:26					a3035					31.0		2.24				2.24	nomo			SBHVO, v. 1, no. 3
6/3/15	12:41					a2530					26.0		2.61				2.61	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 3
6/5/15	2:44					hilea?					38.0		2.68				2.68	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
6/5/15	8:08					a1320					18.0		3.85				3.85	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 3
6/5/15	9:40					ml swr?					44.0		2.78				2.78	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
6/5/15	12:58					ml swr?					44.0		2.65				2.65	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
6/6/15	17:55					hualalai?					76.0		2.62				2.62	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
6/9/15	6:00					hilea?					47.0		2.83				2.83	nomo			SBHVO, v. 1, no. 3
6/10/15	15:14					a2025					21.0		2.87				2.87	nomo			SBHVO, v. 1, no. 3
6/10/15	15:32					a2025					21.0		2.06				2.06	nomo			SBHVO, v. 1, no. 3
6/12/15	4:50					a3035					31.0		3.38				3.38	nomo			SBHVO, v. 1, no. 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/13/15	2:26					a2025					21.0		2.67				2.67	nomo			SBHVO, v. 1, no. 3
6/13/15	23:07					a2025					21.0		3.09				3.09	nomo			SBHVO, v. 1, no. 3
6/16/15	2:35					a2025					22.0		2.81				2.81	nomo			SBHVO, v. 1, no. 3
6/16/15	8:21					hilea?					38.0		2.38				2.38	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
6/17/15	23:47					a3035					31.0		3.95				3.95	nomo		not perceived	SBHVO, v. 1, no. 3
6/20/15	4:33					a3035					31.0		3.38				3.38	nomo		not perceived	SBHVO, v. 1, no. 3
6/20/15	19:56					a2025					22.0		2.57				2.57	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 3
6/20/15	19:57					a2025					24.0		2.92				2.92	poor		distance calculated from Wood's catalog using the time difference between the s and p arrivals	SBHVO, v. 1, no. 3
6/22/15	22:54					a2025					21.0		2.83				2.83	nomo			SBHVO, v. 1, no. 3
6/23/15	20:50					a3035					32.0		2.80				2.80	nomo			SBHVO, v. 1, no. 3
6/24/15	21:19					hilea?					38.0		2.47				2.47	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
6/25/15	1:04					a2025					21.0		2.13				2.13	nomo			SBHVO, v. 1, no. 3
6/25/15	8:54					hilea?					38.0		1.73				1.73	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 3
6/26/15	12:00					unknown						f?								very slight local earthquake; no time given	time assumed; SBHVO, v. 1, no. 3
6/28/15	21:29					a2025					21.0		3.72				3.72	nomo			SBHVO, v. 1, no. 3
6/30/15	13:01					a2025					21.0		3.05				3.05	nomo			SBHVO, v. 1, no. 3
6/30/15	15:35					a2025					21.0		3.42				3.42	nomo			SBHVO, v. 1, no. 4
6/30/15	23:25					a3035					31.0		3.05				3.05	nomo			SBHVO, v. 1, no. 4
7/1/15	21:07					ml swr?					44.0		2.48				2.48	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 4
7/1/15	21:08					a3035					31.0		3.10				3.10	nomo			SBHVO, v. 1, no. 4
7/5/15	1:23					a2025					21.0		2.87				2.87	nomo			SBHVO, v. 1, no. 4
7/6/15	7:12					a1320					18.0		2.67				2.67	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 4
7/7/15	22:15					a2025					22.0		2.98				2.98	nomo			SBHVO, v. 1, no. 4
7/9/15	12:34					a3035					34.0		2.88				2.88	nomo			SBHVO, v. 1, no. 4
7/10/15	2:22					a2025					21.0		3.41				3.41	nomo	II-III	Lyman notes: a slight shake at 2:30 am	SBHVO, v. 1, no. 4; WKC, 1992, p. 31
7/13/15	3:02					hilea?					38.0		2.68				2.68	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 4
7/14/15	14:43					a2025					21.0		2.54				2.54	nomo			SBHVO, v. 1, no. 4
7/15/15	2:48					a2025					21.0		2.37				2.37	nomo			SBHVO, v. 1, no. 4
7/16/15	5:00					a2025					21.0		2.20				2.20	nomo			SBHVO, v. 1, no. 4 notes: a double shock
7/19/15	22:17					a2025					21.0		2.27				2.27	nomo			SBHVO, v. 1, no. 4
7/20/15	15:30					hilea?					45.0		3.66				3.66	nomo			SBHVO, v. 1, no. 4
7/22/15	0:40					a2025					21.0		2.83				2.83	nomo			SBHVO, v. 1, no. 4
7/23/15	5:27					a1320					14.0		2.14				2.14	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 4
7/23/15	5:31					ml swr??					51.0		3.23				3.23	nomo			SBHVO, v. 1, no. 4
7/26/15	19:46					a2530					27.0		3.24				3.24	nomo			SBHVO, v. 1, no. 4
7/29/15	11:51					a2025					24.0										SBHVO, v. 1, no. 4
7/31/15	11:20					ml swr??					57.0		3.37				3.37	nomo			SBHVO, v. 1, no. 4
8/2/15	8:20					a2025					21.0		2.42				2.42	nomo			SBHVO, v. 1, no. 4
8/3/15	3:37					a2025					21.0		2.61				2.61	nomo			SBHVO, v. 1, no. 4

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
8/3/15	11:09					hilea?					46.0		3.53				3.53	nomo			SBHVO, v. 1, no. 4
8/3/15	21:14					a3035					31.0		2.41				2.41	nomo			SBHVO, v. 1, no. 4
8/6/15	0:40					a2025					20.5		3.98				3.98	nomo			SBHVO, v. 1, no. 4
8/6/15	3:30					a2025					20.7		2.74				2.74	nomo			SBHVO, v. 1, no. 4
8/6/15	12:07					ml swr?					52.0		3.00				3.00	nomo			SBHVO, v. 1, no. 4
8/8/15	3:54					a2025					22.0		2.57				2.57	nomo			SBHVO, v. 1, no. 4
8/13/15	12:07					a2025					23.0		2.67				2.67	nomo			SBHVO, v. 1, no. 4
8/13/15	16:51					a3035					31.0		2.41				2.41	nomo			SBHVO, v. 1, no. 4
8/14/15	0:57					kaoiki?					26.0		2.82				2.82	nomo			SBHVO, v. 1, no. 4
8/15/15	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
8/16/15	13:54					hilea?					38.0		2.14				2.14	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 4
8/16/15	13:56					a2025					21.0		4.10				4.10	nomo			SBHVO, v. 1, no. 4
8/16/15	18:34					a2025					21.0		2.32				2.32	nomo			SBHVO, v. 1, no. 4
8/20/15	2:40					a2025					25.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 4
8/21/15	13:45					ml swr?					45.0		3.44				3.44	nomo		small local shock; time lost through instrumental defect	SBHVO, v. 1, no. 4 [minimum distance]
8/24/15	3:19					hilea?					38.0		2.68				2.68	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 4
8/27/15	2:07					a2025					21.0		2.20				2.20	nomo			SBHVO, v. 1, no. 4
8/27/15	8:57					a2025					21.0		3.05				3.05	nomo			SBHVO, v. 1, no. 4
8/27/15	10:02					a2530					26.0		2.28				2.28	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO, v. 1, no. 4
8/27/15	10:04					a2025					25.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO, v. 1, no. 4
8/27/15	13:13					hilea?					37.0		2.66				2.66	nomo			SBHVO, v. 1, no. 4
8/29/15	12:34					a2025					21.0		2.50				2.50	nomo			SBHVO, v. 1, no. 4
8/29/15	23:13					a3035					32.0		2.83				2.83	nomo			SBHVO, v. 1, no. 4
8/30/15	15:15					a2025					24.0		2.76				2.76	nomo			SBHVO, v. 1, no. 4
8/30/15	21:38					a2025					20.0		3.32				3.32	nomo	felt	felt in Hilo? (see next entry)	SBHVO, v. 1, no. 4
8/31/15	4:58					a2025					21.0		4.92	<5.2			4.92	nomo	felt	during week ending 9/1/15, 6 shocks, 3 in one day, one felt locally, two felt in Hilo; felt generally in the vicinity of HVO [and in Hilo, from ESPHVO note]	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; ESPHVO, v. 2, p. 354; SBHVO, v. 1, no. 4; not found in HH
9/5/15	5:46					a2530					27.0		2.85				2.85	nomo			SBHVO (Wood, unpub)
9/5/15	17:13					a2025					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
9/8/15	7:06					a2025					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
9/8/15	23:59																			6 shocks (3 in addition to above) for week ending 9/8/1915	ESPHVO, v. 2, p. 356
9/9/15	1:29					a2025					21.4		3.83				3.83	nomo			SBHVO (Wood, unpub)
9/9/15	3:31					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/9/15	3:52					a2025					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
9/9/15	4:10					a3035					31.0		2.37				2.37	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/10/15	14:38					a2025					22.0		2.84				2.84	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
9/13/15	6:28					a2025					22.0		2.30				2.30	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/14/15	4:49					a3035					32.0		2.56				2.56	nomo			SBHVO (Wood, unpub)
9/15/15	2:03					a2025					20.0		2.88				2.88	nomo			SBHVO (Wood, unpub)
9/15/15	23:59																			6 shocks (actually 8) for week ending 9/15/1915	ESPHVO, v. 2, p. 358
9/16/15	14:59					a2025					21.0		3.05				3.05	nomo			SBHVO (Wood, unpub)
9/16/15	16:13					a2025					25.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/16/15	16:16					a2025					21.0		3.70				3.70	nomo			SBHVO (Wood, unpub); not found in HH
9/16/15	19:11					a2025					21.0		3.70				3.70	nomo			SBHVO (Wood, unpub)
9/16/15	19:39					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/17/15	3:48					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/17/15	3:55					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/18/15	afternoon																			Halemaumau subsidence begins slowly, becoming obvious by Sept. 21	ESPHVO, v. 2, p. 358-359
9/18/15	13:42					a2025					21.0		1.86				1.86	poor			SBHVO (Wood, unpub)
9/18/15	13:51					a2025					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
9/18/15	14:17					hilea?					41.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
9/18/15	17:53					kl uer?					10.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/19/15	1:11					a3035					31.0		3.42				3.42	nomo	felt	felt?-Hilo	SBHVO (Wood, unpub)
9/19/15	4:43					a3035					32.0		3.29				3.29	nomo			SBHVO (Wood, unpub)
9/19/15	15:46					a3035					32.0		3.20				3.20	nomo			SBHVO (Wood, unpub)
9/20/15	6:00					east hawaii?													felt	Warshauer notes: A series of earthquakes had been felt on Monday morning along the Hamakua coast and more especially at Kukaiau ranch, where five temblors were felt within three hours. In Hilo small shakes had been felt on Sunday [9/19] and Monday;	not found in Honolulu Station Bulletin (Hazard, 1918); not seen on Hon film record; HH, 9/24/1915; HT, 9/28/1915 [possibility of 2 seismic swarms-one under Mauna Kea, the other associated with draining of Halemaumau and east rift intrusion-see below]
9/22/15	8:16					kl uer?					10.0		1.75				1.75	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/22/15	9:26					a3035					32.0		2.96				2.96	nomo			SBHVO (Wood, unpub)
9/22/15	21:42					kl mer?					18.0		3.16				3.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/22/15	23:59					south hawaii														16 shocks during week ending 9/22/1915; several, and one in particular, felt in Hilo, Kapapala, and the Hamakua coast [see above, Sept. 20]; none felt locally; [correlated with draining of Halemaumau lava lake, over 100 ft between 9/21 and 9/29]	ESPHVO, v. 2, p. 359
9/23/15	0:04					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/23/15	3:20					kl sf?					21.0		3.99				3.99	nomo			SBHVO (Wood, unpub)
9/23/15	10:10					kl mer?					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/23/15	23:59																			3 well-marked shocks and 9 other disturbances	ESPHVO, v. 2, p. 362
9/24/15	19:05					kl mer?					16.0		2.61				2.61	nomo			SBHVO (Wood, unpub)
9/24/15	23:59																			1 well-marked shock and 5 other disturbances	ESPHVO, v. 2, p. 362
9/25/15	8:15					kl mer?					16.0		2.08				2.08	nomo			SBHVO (Wood, unpub)
9/25/15	10:56					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
9/25/15	13:10					a3035					31.0		1.83				1.83	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	13:11					a3035					32.0		3.10				3.10	nomo			SBHVO (Wood, unpub)
9/25/15	13:13					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	13:14					kl mer?					22.0		1.89				1.89	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/25/15	13:16					kl mer?					14.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/25/15	13:24					mauna kea?					47.0		4.20				4.20	nomo	felt	Warshauer notes: several rather severe shocks during the past week and one on Sunday last [Sept. 25] was rather strenuous. It was felt at Honokaa and Kukuihaele more than near Hilo. Other quakes have been felt along the coast and all over the island	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on hon film record; SBHVO (Wood, unpub); HH, 10/1/1915
9/25/15	13:42					kl mer?					18.0		2.31				2.31	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/25/15	13:43					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	13:48					kl mer?					25.0		1.86				1.86	nomo		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	13:49					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/25/15	13:52					mauna kea?					40.0		4.09				4.09	nomo	felt	felt?--see above	SBHVO (Wood, unpub)
9/25/15	14:01																				SBHVO (Wood, unpub)
9/25/15	14:02					kl mer?					22.0		1.89				1.89	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/25/15	14:04					a3035					32.0		3.29				3.29	nomo			SBHVO (Wood, unpub)
9/25/15	14:05					kl mer?					21.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
9/25/15	14:11					kl mer?					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
9/25/15	14:17					a3035					32.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
9/25/15	14:19					a3035					31.0		1.83				1.83	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	14:21					kl mer?					18.0		1.75				1.75	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/25/15	14:23					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/25/15	14:33					kl mer?					21.0										SBHVO (Wood, unpub)
9/25/15	14:34					hilea?					38.0		1.97				1.97	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	14:35					a3035					32.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
9/25/15	14:45					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	14:51					a3035					31.0		1.83				1.83	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	14:51					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	14:56					kl mer?					21.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
9/25/15	15:00					a3035					31.0		1.83				1.83	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
9/25/15	15:04					kl sf?					25.0		1.68				1.68	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	15:04					kl sf?					25.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	15:08					a3035					32.0		2.26				2.26	nomo			SBHVO (Wood, unpub)
9/25/15	15:09					kl mer?					22.0		2.45				2.45	nomo			SBHVO (Wood, unpub)
9/25/15	15:10																				SBHVO (Wood, unpub)
9/25/15	15:12					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	15:14					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/25/15	15:17					kl mer?					22.0		1.89				1.89	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/25/15	15:18					kl mer?					21.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
9/25/15	15:22					kl mer?					21.0		3.40				3.40	nomo		amplitude discrepancy-2 mm on N-S, 24 mm on E-W; preferred magnitude calculated as average of magnitudes obtained for the two components.	SBHVO (Wood, unpub)
9/25/15	15:25					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
9/25/15	15:31					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	15:35					kl mer?					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
9/25/15	15:37					a3035					30.0		2.51				2.51	nomo			SBHVO (Wood, unpub)
9/25/15	15:40					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	15:44					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
9/25/15	15:45					kl mer?					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
9/25/15	15:47					kl sf?					25.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	15:50					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/25/15	15:52					a3035					31.0		2.13				2.13	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/25/15	16:04					kl mer?					21.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
9/25/15	16:06					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	16:06					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/25/15	16:10					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/25/15	16:13					kl mer?					20.0		2.23				2.23	nomo			SBHVO (Wood, unpub)
9/25/15	16:14					kl mer?					20.0		2.10				2.10	nomo			SBHVO (Wood, unpub)
9/25/15	16:17					kl mer?					21.0		3.36				3.36	nomo			SBHVO (Wood, unpub)
9/25/15	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
9/25/15	16:35					kl mer?					21.0		1.56				1.56	nomo			SBHVO (Wood, unpub)
9/25/15	16:37					kl mer?					21.0		1.56				1.56	nomo			SBHVO (Wood, unpub)
9/25/15	16:39					kl sf?					24.0		2.30				2.30	poor		distance calculated from Wood's catalog using the time difference between the s and p arrivals	SBHVO (Wood, unpub)
9/25/15	16:59					kl mer?					20.0		1.83				1.83	nomo			SBHVO (Wood, unpub)
9/25/15	17:04					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/25/15	17:08					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/25/15	17:10					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/25/15	17:10					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
9/25/15	17:10					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	17:13					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	17:13					kl mer?					21.0		3.55				3.55	nomo			SBHVO (Wood, unpub)
9/25/15	17:19					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
9/25/15	17:27					kl mer?					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
9/25/15	17:34					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/25/15	17:37					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	17:49					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/25/15	17:52					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	17:55					kl mer?					21.0		1.56				1.56	nomo			SBHVO (Wood, unpub)
9/25/15	18:18					kl mer?					21.0		2.61				2.61	nomo			SBHVO (Wood, unpub)
9/25/15	18:26					kl sf?					26.0		2.01				2.01	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/25/15	18:38					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
9/25/15	18:50					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	19:03					kl mer?					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
9/25/15	19:11																				SBHVO (Wood, unpub)
9/25/15	19:42					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	19:43					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/25/15	20:17					kl mer?					21.0		3.72				3.72	nomo			SBHVO (Wood, unpub)
9/25/15	20:30					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	20:36					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
9/25/15	21:33					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	21:53					kl mer?					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
9/25/15	22:23					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
9/25/15	23:03					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/25/15	23:59																			2 well-marked shocks and 1 other disturbance	ESPHVO, v. 2, p. 362
9/26/15	1:25					kl mer?					21.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
9/26/15	2:45					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/26/15	3:14					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/26/15	3:19					kl mer?					22.0		1.89				1.89	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/26/15	3:31					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/26/15	5:39					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/26/15						kl mer?														several felt at volcano, not at HVO or volcano house, particularly on Sept. 26; 44 well-marked shocks, 37 lesser shocks, and 83 other disturbances	Halemaumau lava lake subsidence renewed, accompanied by eqs; ESPHVO, v. 2, p. 360-362
9/26/15	7:48					kl mer?					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
9/26/15	8:55					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/26/15	10:15					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/26/15	10:48					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/26/15	11:11					a3035					31.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
9/26/15	11:12					a3035					32.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
9/26/15	14:21					a3035					32.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
9/26/15	14:24					kl mer?					21.0		3.62				3.62	nomo			SBHVO (Wood, unpub)
9/26/15	14:41					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/26/15	14:41					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
9/26/15	15:14					a3035					31.0		2.88				2.88	nomo			SBHVO (Wood, unpub)
9/26/15	17:23					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/26/15	17:25					kl sf?					25.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/26/15	17:25					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/26/15	18:20					a3035					31.0		2.77				2.77	nomo			SBHVO (Wood, unpub)
9/26/15	19:42					kl mer?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
9/26/15	21:06					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/26/15	23:59																			10 well-marked shocks and 12 other disturbances	ESPHVO, v. 2, p. 361-362

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
9/27/15	0:35					a3035					31.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
9/27/15	0:46					kl uer?					14.0		1.92				1.92	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/27/15	5:50					kl uer?					14.0		1.92				1.92	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/27/15	8:02					kl mer?					21.0		2.91				2.91	nomo			SBHVO (Wood, unpub)
9/27/15	8:50					kl mer?					18.0		1.86				1.86	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/27/15	9:52					kl mer?					21.0		1.56				1.56	nomo			SBHVO (Wood, unpub)
9/27/15	10:42					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/27/15	12:30					kl mer?					21.0		2.91				2.91	nomo			SBHVO (Wood, unpub)
9/27/15	16:33					kl mer?					21.0		2.69				2.69	nomo			SBHVO (Wood, unpub)
9/27/15	22:22					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/27/15	23:28					kl mer?					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
9/27/15	23:59																			10 well-marked shocks and 12 other disturbances; Warshauer notes: up to 9/27 AM a days record of 87 shocks registered at HVO, not counting 137 tremors [eqs associated with draining of Halemaumau lava lake]	ESPHVO, v. 2, p. 362; HT, 9/28/1915; not found in PCA or HSB
9/28/15	2:32					kl mer?					21.0		3.19				3.19	nomo			SBHVO (Wood, unpub)
9/28/15	4:17					kl mer?					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
9/28/15	4:32					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/28/15	4:36					kl uer?					14.0		1.92				1.92	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/28/15	5:18					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/28/15	9:58					kl uer?					10.0		1.75				1.75	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/28/15	17:22					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/28/15	18:12					kl mer?					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
9/28/15	23:59																			10 well-marked shocks and 3 other disturbances; Halemaumau lava lake subsidence ends late on this day, 480 ft total	ESPHVO, v. 2, p. 362
9/29/15	3:09					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/29/15	7:01					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/29/15	23:59																			lava column subsidence about 16 ft/day from 9/22-28, accelerating on 9/25-26; an additional subsidence of 100 ft on 9/29 and beginning of recovery; 1 well-marked shock and 8 other disturbances on 9/29	ESPHVO, v. 2, p. 360; 362
9/30/15	2:00					kl sf?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
9/30/15	14:11					kl sf?					20.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
9/30/15	14:52					kl sf?					20.0		2.23				2.23	nomo			SBHVO (Wood, unpub)
10/3/15	20:12					kl sf?					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
10/3/15	20:42					a3035					31.0		2.13				2.13	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
10/3/15	20:44					kl sf?					25.0		1.68				1.68	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
10/4/15	15:05					kl sf?					20.0		2.10				2.10	nomo			SBHVO (Wood, unpub)
10/4/15	15:36					kl sf?					20.0		2.64				2.64	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/5/15	0:33					kl sf?					22.0		1.89				1.89	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
10/5/15	7:51					kl sf?					20.0		2.77				2.77	nomo			SBHVO (Wood, unpub)
10/6/15	13:05					kl sf?					20.0		3.28				3.28	nomo			SBHVO (Wood, unpub)
10/6/15	13:16					kl sf?					21.0		2.75				2.75	nomo			SBHVO (Wood, unpub)
10/6/15	23:59																			5 shocks during week ending 10/6/1915	ESPHVO, v. 2, p. 365
10/7/15	23:04					ml wf?					60.0		3.23				3.23	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
10/8/15	2:50					kl sf?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
10/8/15	8:14					kl sf?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
10/8/15	9:12					kl sf?					20.0		2.47				2.47	nomo			SBHVO (Wood, unpub)
10/9/15	11:41					kl sf?					21.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
10/9/15	13:35					kl sf?					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
10/9/15	13:39					kl sf?					21.0		3.64				3.64	nomo			SBHVO (Wood, unpub)
10/10/15	2:38					kl sf?					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
10/10/15	14:38					kl sf?					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
10/10/15	16:37					kl sf?					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
10/10/15	17:55					kl sf?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
10/11/15	7:38					a2025					21.0		2.06				2.06	nomo		Wood continues to report a characteristic distance of 20-21 km. We have arbitrarily assigned kl sf through 10/10, where there are multiple events per day; a2025 assigned thereafter	SBHVO (Wood, unpub)
10/13/15	15:25					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
10/13/15	23:59																			9 shocks during week ending 10/13/1915	ESPHVO, v. 2, p. 366
10/14/15	3:45					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
10/14/15	19:37					a1320					19.0		2.73				2.73	nomo			SBHVO (Wood, unpub)
10/15/15	18:55					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
10/16/15	0:09					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
10/16/15	3:25					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
10/17/15	13:25					a2025					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
10/17/15	18:13					a2025					20.0		3.76				3.76	nomo	felt	evening; felt in Hilo, not at volcano house. [date given as 10/16 in ESPHVO]	ESPHVO, v. 2, p. 367; SBHVO (Wood, unpub)
10/17/15	18:18					a2025					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
10/20/15	23:59																			6 shocks during week ending 10/20/1915	ESPHVO, v. 2, p. 365
10/21/15	3:58					a2025					21.0		4.22				4.22	nomo	felt	morning; probably felt locally	ESPHVO, v. 2, p. 369; SBHVO (Wood, unpub)
10/21/15	17:23					a2025					21.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
10/21/15	17:23					a2025					21.0		3.81				3.81	nomo			SBHVO (Wood, unpub)
10/24/15	12:30					east hawaii?													felt	Lyman notes: a shock	SBHVO (Wood, unpub)
10/24/15	23:29					a2025					21.0		3.27				3.27	nomo			SBHVO (Wood, unpub)
10/27/15	23:59																			4 shocks during week ending 10/27/1915	ESPHVO, v. 2, p. 369
10/28/15	2:30					a3035					31.0		3.00				3.00	nomo		Wood continues to report a characteristic distance of 30-33 km. We have classified these as a3035	SBHVO (Wood, unpub)
10/30/15	15:08					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
10/30/15	21:50					a3035					31.0		3.07				3.07	nomo			SBHVO (Wood, unpub)
10/31/15	16:17					kl uer?					12.0		2.28				2.28	nomo			SBHVO (Wood, unpub)
11/1/15	5:32					a3035					32.0		3.10				3.10	nomo			SBHVO (Wood, unpub)
11/1/15	15:53					a2025					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
11/3/15	23:59																			4 shocks during week ending 11/3/1915, 3 on 10/31 and 11/1	ESPHVO, v. 2, p. 372
11/5/15	18:50					a3035					32.0		3.94				3.94	nomo			SBHVO (Wood, unpub)
11/6/15	4:36					a3035					32.0		2.56				2.56	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
11/7/15	10:02					a2025					21.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
11/7/15	13:14					a2025					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
11/7/15	15:01					a3035					32.0		4.02				4.02	nomo			SBHVO (Wood, unpub)
11/10/15	18:24					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
11/10/15	23:59																			3 shocks during week ending 11/10/1915	ESPHVO, v. 2, p. 374
11/12/15	14:57					kl uer?					12.0		3.42				3.42	nomo			SBHVO (Wood, unpub)
11/14/15	20:46					a3035					33.0		2.82				2.82	nomo			SBHVO (Wood, unpub)
11/15/15	2:46					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
11/15/15	19:57					a2025					21.0		1.86				1.86	poor			SBHVO (Wood, unpub)
11/17/15	23:59																			3 shocks during week ending 11/17/1915	ESPHVO, v. 2, p. 375
11/20/15	12:04					kona?					73.0		4.07				4.07	nomo			SBHVO (Wood, unpub)
11/20/15	22:56					a2025					21.0		2.91				2.91	nomo			SBHVO (Wood, unpub)
11/24/15	23:59																			1 shock during week ending 11/24/1915	ESPHVO, v. 2, p. 375
12/1/15	7:38					a2025					21.0		3.32				3.32	nomo			SBHVO (Wood, unpub)
12/1/15	7:43					a2025					21.0		1.97				1.97	nomo			SBHVO (Wood, unpub)
12/1/15	8:11					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
12/1/15	23:59																			5 shocks during week ending 12/1/1915	ESPHVO, v. 2, p. 377
12/2/15	13:11					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
12/3/15	7:24					hilea?					47.0		2.83				2.83	nomo			SBHVO (Wood, unpub)
12/5/15	5:25					a3035					32.0		4.86				4.86	nomo	II?	felt at volcano house-see below	SBHVO (Wood, unpub)
12/5/15	19:02					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
12/5/15	23:12					kl uer?					13.0		2.09				2.09	nomo			SBHVO (Wood, unpub)
12/8/15	1:09					a3035					32.0		4.51				4.51	nomo			SBHVO (Wood, unpub)
12/8/15	6:28					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
12/8/15	8:08					a2025					21.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
12/8/15	23:59					a2025													felt	8 shocks during week ending 12/1/1915; one felt by one person lying down at volcano house	ESPHVO, v. 2, p. 378
12/9/15	12:44					a2025					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
12/9/15	17:10					a2025					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
12/10/15	1:57					kl uer?					14.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
12/10/15	14:52					kl uer?					12.0		2.52				2.52	nomo			SBHVO (Wood, unpub)
12/10/15	17:16					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
12/11/15	1:32					a2025					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
12/11/15	15:53					a2025					21.0		2.27				2.27	nomo		out of order (date given as 12/10) in Wood catalog	SBHVO (Wood, unpub)
12/11/15	16:56					a2025					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
12/11/15	22:10					a2025					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
12/12/15	8:12					a3035					32.0		3.81				3.81	nomo			SBHVO (Wood, unpub)
12/14/15	23:45					a2025					20.0		2.47				2.47	nomo			SBHVO (Wood, unpub)
12/15/15	23:59																			6 shocks during week ending 12/15/1915	ESPHVO, v. 2, p. 379
12/19/15	1:29					a2025					21.0		1.97				1.97	nomo			SBHVO (Wood, unpub)
12/20/15	13:37					kl uer?					14.0		2.33				2.33	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
12/20/15	18:56					a3035					32.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
12/22/15	0:24					a3035					33.0		2.82				2.82	nomo			SBHVO (Wood, unpub)
12/22/15	2:30					a2025					21.0		1.97				1.97	nomo			SBHVO (Wood, unpub)
12/22/15	23:59																			3 shocks during week ending 12/22/1915	ESPHVO, v. 2, p. 380
12/24/15	9:10					a3035					32.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
12/28/15	22:46					a2025					20.0		1.83				1.83	nomo			SBHVO (Wood, unpub)
12/28/15	22:46					a2025					21.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
12/29/15	0:37					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
12/29/15	0:40					a2025					21.0		1.86				1.86	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
12/29/15	13:19					a2025					21.0		3.62				3.62	nomo			SBHVO (Wood, unpub)
12/29/15	13:36					a2025					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
12/29/15	19:09					a2025					21.0		2.61				2.61	nomo			SBHVO (Wood, unpub)
12/29/15	23:59																			3 shocks during week ending 12/29/1915	ESPHVO, v. 2, p. 381
12/30/15	5:44					a3035					32.0		3.72				3.72	nomo			SBHVO (Wood, unpub)
12/30/15	21:11					a2025					21.0		3.30				3.30	nomo			SBHVO (Wood, unpub)
12/30/15	23:01					a2025					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
12/31/15	11:53					a2025					21.0		1.97				1.97	nomo			SBHVO (Wood, unpub)
12/31/15	22:05					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
1/1/16	6:15					a2025					20.0		2.64				2.64	nomo			SBHVO (Wood, unpub)
1/3/16	6:16					a2025					20.0		3.04				3.04	nomo			SBHVO (Wood, unpub)
1/3/16	12:41					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
1/3/16	18:28					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
1/4/16	22:52					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
1/4/16	23:15					a2025					21.0		4.06				4.06	nomo			SBHVO (Wood, unpub)
1/4/16	23:19					a2025					21.0										SBHVO (Wood, unpub)
1/5/16	2:08					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
1/5/16	9:05					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
1/5/16	23:59																			7 shocks during week ending 1/5/1916	ESPHVO, v. 2, p. 383
1/6/16	0:49					ml swr?					48.0		3.38				3.38	nomo			SBHVO (Wood, unpub)
1/7/16	4:31					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
1/10/16	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)
1/10/16	18:46					a2025					21.0		4.19				4.19	nomo	felt	early evening Jan. 10; 2 felt in Hilo, not locally	SBHVO (Wood, unpub)
1/12/16	23:59																			3 shocks during week ending 1/12/1916	ESPHVO, v. 2, p. 385
1/19/16	23:59																			storm destroyed seismograms and disabled instruments	ESPHVO, v. 2, p. 386
1/26/16	23:59																			no seismic registration during week ending 1/26/1916	ESPHVO, v. 2, p. 387
2/2/16	23:59																			no seismic registration during week ending 2/2/1916	
2/9/16	23:59																			no seismic registration during week ending 2/9/1916	
2/15/16	17:00					kaoiki?									5.3	int	5.3	int	V	no seismic registration; shock threw down stone house on Kilauea-Mauna Kea trail near Mauna Loa NE rift zone; felt by ranchmen on trail, not elsewhere; Warshauer notes: repeats info in ESPHVO	time given as "late pm"; ESPHVO, v. 2, p. 392-393; HT, 2/29/1916
2/16/16	23:59																			repairs completed	ESPHVO, v. 2, p. 392
2/23/16	4:00					kl cal 0-5??					3.5	slight	2.65				2.65	desp	IV	A slight earthquake was felt at the Volcano House in the early morning hours, at about four o'clock, on February 23; Warshauer notes: repeats ESPHVO; distance and amplitude assumed	not tabulated in SBHVO (Wood, unpub.); ESPHVO, v. 2, p. 393; HT, 2/29/1916; not found in HH
2/23/16	23:59																			no seismic registration	ESPHVO, v. 2, p. 393
3/1/16	23:59																			no seismic registration during week ending 3/1/1916	
3/8/16	23:59																			no seismic registration during week ending 3/8/1916	
3/9/16	14:00					unknown									3.8	int	3.8	int	IV	shock started clock of the ordinary seismometer; not perceived	ESPHVO, v. 2, p. 399; not tabulated in SBHVO (Wood, unpub.)
3/15/16	23:59																			no seismic registration during week ending 3/15/1916	
3/22/16	23:59																			one seismometer in operation from 3/20; no shocks week ending 3/22/1916	ESPHVO, v. 2, p. 401
3/26/16	4:15					ml mok??					35.0		2.49				2.49	nomo			SBHVO (Wood, unpub)
3/29/16	23:59																			1 shock during week ending 3/29/1916	ESPHVO, v. 2, p. 403

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
4/3/16	0:15					ml mok??					39.0		3.75				3.75	nomo	IV	During the week [ending April 5] one earthquake has been registered which was felt sharply in Hilo, and perhaps barely felt at the Observatory, near midnight; Warshauer notes: rather severe shock felt in Hilo on Sunday night [Apr. 2-3]	ESPHVO, v. 2, p. 437; SBHVO (Wood, unpub); HH, 4/7/1916
4/4/16	3:39					ml swr??					43.0		2.63				2.63	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	
4/9/16	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
4/11/16	9:20																				SBHVO (Wood, unpub)
4/11/16	9:27					kaoiki??					22.0										SBHVO (Wood, unpub)
4/11/16	10:24					kaoiki??					21.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
4/11/16	20:04					kaoiki??					21.0		1.86				1.86	nomo		Beginning with 12 April registration was also recorded with the E-W Bosch-Omori component. Owing to a broken spring in the power clock, and the state of mass, the Bosch-Omori N-S component is out of commission for an indefinite time	SBHVO (Wood, unpub)
4/12/16	12:00					ml mok??					39.0		2.29				2.29	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
4/12/16	23:59																			4 shocks toward end of week ending 4/12/1916	ESPHVO, v. 2, p. 438
4/13/16	3:58					kaoiki??					21.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
4/13/16	5:11					kaoiki?					21.0		3.52				3.52	nomo			SBHVO (Wood, unpub)
4/17/16	15:56					kaoiki?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
4/19/16	23:59																			3 weak shocks during week ending 4/19/1916	ESPHVO, v. 2, p. 440
4/23/16	16:18					kaoiki??					32.0		2.56				2.56	nomo			SBHVO (Wood, unpub)
4/26/16	21:20					kaoiki?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
4/26/16	23:59																			0 shocks during week ending 4/26/1916	ESPHVO, v. 2, p. 442
4/28/16	5:11					kaoiki??					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
4/28/16	7:34					kaoiki?					20.0		4.14				4.14	nomo	felt	felt in Hilo, not locally	SBHVO (Wood, unpub)
5/1/16	15:33					kaoiki?					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
5/1/16	20:18					kaoiki?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
5/2/16	20:52					kaoiki?					21.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
5/3/16	23:59																			3 shocks during week ending 5/3/1916; 1 felt in Hilo, not locally	ESPHVO, v. 2, p. 443
5/4/16	17:03					kl cal 0-5													felt	felt at margin of Halemaumau, not at HVO or volcano house	ESPHVO, v. 2, p. 448; SBHVO (Wood, unpub)
5/8/16	3:27					ml mok??					38.0		2.14				2.14	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
5/9/16	7:26					a1320					16.0		1.95				1.95	nomo			SBHVO (Wood, unpub)
5/10/16	4:12					kaoiki??					21.0		3.15				3.15	nomo			SBHVO (Wood, unpub)
5/10/16	12:24					ml mok??					38.0		2.38				2.38	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
5/10/16	19:41					hilea?					48.0		3.25				3.25	nomo			SBHVO (Wood, unpub)
5/10/16	23:59																			2 shocks during week ending 5/10/1916	ESPHVO, v. 2, p. 448
5/11/16	16:05					kaoiki??					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
5/11/16	16:12					kaoiki??					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
5/11/16	20:40					hilea?					47.0		3.06				3.06	nomo			SBHVO (Wood, unpub)
5/15/16	5:20					hilea?					47.0		2.98				2.98	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/15/16	8:28					ml mok?					33.0		2.82				2.82	nomo			SBHVO (Wood, unpub)
5/15/16	8:31					kaoiki??					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
5/15/16	16:07					kaoiki??					21.0		3.08				3.08	nomo			SBHVO (Wood, unpub)
5/17/16	23:59																			4 shocks during week ending 5/17/1916	ESPHVO, v. 2, p. 450
5/18/16	6:40					ml mok?					32.0		3.66				3.66	nomo			SBHVO (Wood, unpub)
5/19/16																				eqs recorded beginning just before 3 am, ending in late forenoon, and resuming later in the afternoon; Warshauer notes: swarm of local earthquakes on morning of 19th	ESPHVO, v. 2, p. 450; HT, 5/30/1916
5/19/16	2:08					ml swr?					52.0		2.30				2.30	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	2:43					ml swr?					39.0		1.91				1.91	nomo		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	3:18					ml swr?					40.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/19/16	3:21					ml swr?					40.0		1.92				1.92	nomo			SBHVO (Wood, unpub)
5/19/16	3:28					ml swr?					39.0		1.91				1.91	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	3:33					ml swr?					40.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
5/19/16	3:41					ml swr?					42.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
5/19/16	3:45					ml swr?													felt	Smart shock felt at sea off s shore of Hawaii; time give as 3:45 am; not recorded at Whitney; Warshauer notes: same as above, time given as about 2 a.m.	Wood/1917, p. 322; HT, 5/30/1916
5/19/16	3:53					ml swr?					52.0		2.30				2.30	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	4:01					ml swr?					40.0		2.31				2.31	nomo			SBHVO (Wood, unpub)
5/19/16	4:04					ml swr?					38.5		2.39				2.39	nomo			SBHVO (Wood, unpub)
5/19/16	4:09					ml wf?					68.0		2.29				2.29	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	4:24					ml swr?					40.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
5/19/16	4:45																			At about 4:45 a.m. Capt. Nicholson first saw an early outburst of flames, apparently of very brief duration	Mauna Loa southwest rift zone eruption begins, less than 10,000 (8000?) feet elevation; over by between 10 a.m. and 12 noon); ESPHVO, v. 2, p. 450-451; SBHVO (Wood, unpub); looked for, not seen on hon film record; small glitch seen on 5/19 at 16:34 GMT
5/19/16	4:47					ml swr?					40.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/19/16	4:49					ml swr?					40.0		1.92				1.92	nomo			SBHVO (Wood, unpub)
5/19/16	4:51					ml wf?					56.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	4:54					ml swr?					40.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
5/19/16	5:22					ml swr?					38.0		2.38				2.38	nomo			SBHVO (Wood, unpub)
5/19/16	5:24					ml swr?					38.0		2.47				2.47	nomo			SBHVO (Wood, unpub)
5/19/16	5:35					ml wf?					56.0		2.13				2.13	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	5:37					ml swr?															SBHVO (Wood, unpub)
5/19/16	5:37					ml swr?					36.0		2.23				2.23	nomo			SBHVO (Wood, unpub)
5/19/16	5:40					ml swr?					39.0		2.29				2.29	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/19/16	5:42					ml swr?					36.0		2.23				2.23	nomo			SBHVO (Wood, unpub)
5/19/16	5:45					ml swr?					39.0		1.88				1.88	nomo			SBHVO (Wood, unpub)
5/19/16	5:46					ml swr?					47.0		2.01				2.01	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	5:50					ml swr?					39.0		2.70				2.70	nomo			SBHVO (Wood, unpub)
5/19/16	5:56					ml swr?															SBHVO (Wood, unpub)
5/19/16	6:00					ml wf??					56.0		2.54				2.54	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub); Beginning indefinitely at about 6± a.m. there was registered nearly continuous vibration of very variable small amplitude until about 1 p.m., with some brief intervals of quiet
5/19/16	6:11					ml swr?					39.0		2.10				2.10	nomo			SBHVO (Wood, unpub)
5/19/16	6:15																			At about 6:15 a.m. Capt. Nicholson saw. from near Honuapo, the beginning of the chief outburst of flames which was first seen from HVO about 7 a.m.	SBHVO (Wood, unpub)
5/19/16	6:19					ml wf?					56.0		2.35				2.35	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	6:22					hilea?					38.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
5/19/16	6:26					ml wf?					56.0		2.33				2.33	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	6:31					ml swr?					41.0		2.32				2.32	nomo			SBHVO (Wood, unpub)
5/19/16	6:34					ml swr?					38.0		2.68				2.68	nomo			SBHVO (Wood, unpub)
5/19/16	6:40					ml swr?					52.0		2.28				2.28	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	6:54					kohala?					102.0		3.06				3.06	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	7:10					hualalai??					77.0		2.55				2.55	poor		Warshauer notes: At that time [Friday, May 19, 7:15 a.m.] six distinct earthquakes, following each other at an interval of a few minutes, shook the district of Pahala, Kau	looked for, not seen on hon film record; SBHVO (Wood, unpub); HT, 5/23/1916; not found in HSB; distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival
5/19/16	7:13					hilea?					40.0		2.58				2.58	nomo			SBHVO (Wood, unpub)
5/19/16	7:19					hilea?					38.0		2.27				2.27	nomo	felt	felt?-Kau	SBHVO (Wood, unpub)
5/19/16	7:22					hilea?					39.0		1.99				1.99	poor	felt	distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival; felt?-Kau	SBHVO (Wood, unpub)
5/19/16	7:25					hilea?					40.0		2.10				2.10	nomo	felt	felt?-Kau	SBHVO (Wood, unpub)
5/19/16	7:27					unknown															SBHVO (Wood, unpub)
5/19/16	7:30					hilea?					38.0		2.27				2.27	nomo	felt	distance assumed; felt?-Kau	SBHVO (Wood, unpub)
5/19/16	7:31					hilea?					38.0		2.27				2.27	poor	felt	felt?-Kau	SBHVO (Wood, unpub)
5/19/16	7:40					hilea?					38.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
5/19/16	7:42					ml swr?														At about this time there came a lull in the spasmodic shaking, earthquakes properly speaking, or in their registration here [HVO]--thus bringing to an end the first flurry of the seismic spasm	SBHVO (Wood, unpub)
5/19/16	17:40					hilea?					35.0		2.97				2.97	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/19/16	23:48					ml swr?					44.0		1.97				1.97	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/20/16						ml swr?														ESPHVO. v. 2, p. 456 notes, cont.: direction of Puu o Keokeo. Hundreds of local earthquakes were recorded by the seismographs of the Observatory.	ESPHVO. v. 2, p. 456 notes: On 5/20 and 21 earthquakes were very numerous in Kau and were occasionally of moderate strength. They were felt principally in Hilea, and were stronger and more numerous at homestead five miles northwest of Hilea in the
5/20/16	1:14					ml swr?					45.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
5/20/16	2:21					ml swr??					56.0		2.13				2.13	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/20/16	2:35					ml swr??					52.0		2.28				2.28	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/20/16	2:51					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/20/16	3:25					ml swr?					45.0		2.66				2.66	nomo			SBHVO (Wood, unpub)
5/20/16	4:01					ml swr?					55.0		2.73				2.73	nomo			SBHVO (Wood, unpub)
5/20/16	5:45					unknown															SBHVO (Wood, unpub)
5/20/16	5:50					ml swr?					45.0		3.20				3.20	nomo			SBHVO (Wood, unpub)
5/20/16	7:00					unknown															SBHVO (Wood, unpub)
5/20/16	7:04					ml swr?					45.0		2.39				2.39	nomo		SBHVO (Wood, unpub, cont.): approx, and these gradually declined and became lost among volcanic vibrations about 18h 30m. Maxima were registered at the following specific shocks--when no other phases are given.	SBHVO (Wood, unpub); At about 17h 30m there occurred an interval of continuous vibration of small but noticeable seismographic amplitude which grew gradually to some considerable magnitude which was manifested in large spasms between 17h 47m and 18h 17m
5/20/16	7:30					ml swr?					48.0		3.08				3.08	nomo			SBHVO (Wood, unpub)
5/20/16	7:31					ml swr?					45.0		3.03				3.03	poor		distance assumed	SBHVO (Wood, unpub)
5/20/16	7:36					ml swr?					43.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
5/20/16	7:40					ml swr?					43.0		3.41				3.41	poor		distance assumed	SBHVO (Wood, unpub)
5/20/16	7:42					ml swr?					45.0		2.66				2.66	nomo			SBHVO (Wood, unpub)
5/20/16	7:46					ml swr?					45.0		3.44				3.44	nomo			SBHVO (Wood, unpub)
5/20/16	7:49					ml swr?					44.0		3.32				3.32	poor		distance assumed	SBHVO (Wood, unpub)
5/20/16	8:06					ml swr?					43.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
5/20/16	8:09					ml swr?					45.0		3.03				3.03	nomo			SBHVO (Wood, unpub)
5/20/16	8:18					ml swr?					42.0		2.75				2.75	nomo			SBHVO (Wood, unpub)
5/20/16	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)
5/20/16	10:12					unknown															SBHVO (Wood, unpub)
5/20/16	10:45					unknown															SBHVO (Wood, unpub)
5/20/16	11:16					ml swr?					42.0		3.15				3.15	nomo			SBHVO (Wood, unpub)
5/20/16	11:18					ml swr?					48.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
5/20/16	11:44					ml swr?					41.0		2.86				2.86	nomo			SBHVO (Wood, unpub)
5/20/16	11:46					ml swr?					42.0		2.62				2.62	nomo			SBHVO (Wood, unpub)
5/20/16	11:53					unknown															SBHVO (Wood, unpub)
5/20/16	11:58					unknown															SBHVO (Wood, unpub)
5/20/16	12:48					ml swr?					48.0		3.25				3.25	nomo			SBHVO (Wood, unpub)
5/20/16	12:56					ml swr?														Beginning about 13h 00m (HST) there occurred continuous vibration for nearly one hour; but most outstanding maxima, undoubtedly shock impulses, are tabulated here.	SBHVO (Wood, unpub)
5/20/16	13:14					alenuihaha ??					127.0		3.75				3.75	poor		Warshauer notes: At Pahala, Kau, six earthquakes were felt between one and three o'clock this afternoon [May 20]. they were of short duration and no damage was done.	distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival; SBHVO (Wood, unpub); PCA, 5/21/1916; HT, 5/23/1916

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/20/16	13:15					ml swr?					41.0		2.73				2.73	poor		distance assumed	SBHVO (Wood, unpub)
5/20/16	13:18					ml swr?					40.5		2.59				2.59	nomo			SBHVO (Wood, unpub)
5/20/16	13:20					ml swr?					41.5		2.33				2.33	nomo			SBHVO (Wood, unpub)
5/20/16	13:23					alenuihaha ??					127.0		3.11				3.11	poor		Warshauer notes: At Pahala, Kau, six earthquakes were felt between one and three o'clock this afternoon [May 20]. they were of short duration and no damage was done.	distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival; SBHVO (Wood, unpub); PCA, 5/21/1916; HT, 5/23/1916
5/20/16	13:26					ml wf?					60.0		2.59				2.59	poor			distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival; SBHVO (Wood, unpub)
5/20/16	13:27					ml swr?					43.0		2.92				2.92	nomo			SBHVO (Wood, unpub)
5/20/16						ml swr?														ESPHVO, v. 2, p. 456: on May 20 and 21 eq's numerous in Kau, occasionally of moderate strength; felt principally in; stronger and more numerous at homestead 5 mi NW of; hundreds recorded instrumentally at HVO	[eqs preceding flank outbreak]
5/20/16	13:30					ml swr?					47.0		3.36				3.36	nomo		Warshauer notes: At Pahala, Kau, six earthquakes were felt between one and three o'clock this afternoon [May 20]. they were of short duration and no damage was done.	SBHVO (Wood, unpub); PCA, 5/21/1916; HT, 5/23/1916
5/20/16	13:32					ml swr?					46.0		3.05				3.05	nomo			SBHVO (Wood, unpub)
5/20/16	13:34					ml swr?					42.5		2.76				2.76	nomo			SBHVO (Wood, unpub)
5/20/16	13:37					ml swr?					42.5		2.35				2.35	nomo			SBHVO (Wood, unpub)
5/20/16	13:40					ml swr?					47.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
5/20/16	13:42					ml swr?					48.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/20/16	13:50					ml swr?					46.0		2.81				2.81	nomo			SBHVO (Wood, unpub)
5/20/16	13:52					alenuihaha ??					114.0		3.14				3.14	poor		Warshauer notes: At Pahala, Kau, six earthquakes were felt between one and three o'clock this afternoon [May 20]. they were of short duration and no damage was done.	distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival; SBHVO (Wood, unpub); PCA, 5/21/1916; HT, 5/23/1916
5/20/16	13:58					ml swr?					54.0		2.92				2.92	nomo			SBHVO (Wood, unpub)
5/20/16	14:02					ml swr?					44.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
5/20/16	14:04					ml swr?					51.0		2.75				2.75	nomo			SBHVO (Wood, unpub)
5/20/16	14:10					ml swr?															SBHVO (Wood, unpub)
5/20/16	14:12					ml swr?					43.0		2.55				2.55	nomo			SBHVO (Wood, unpub)
5/20/16	14:14					ml swr?					44.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
5/20/16	14:16					unknown															SBHVO (Wood, unpub)
5/20/16	14:20					ml swr?					48.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
5/20/16	14:25					ml swr?					55.0		3.17				3.17	nomo		Warshauer notes: At Pahala, Kau, six earthquakes were felt between one and three o'clock this afternoon [May 20]. they were of short duration and no damage was done.	SBHVO (Wood, unpub); PCA, 5/21/1916; HT, 5/23/1916
5/20/16	14:32					unknown															SBHVO (Wood, unpub)
5/20/16	14:37					unknown															SBHVO (Wood, unpub)
5/20/16	14:38					unknown															SBHVO (Wood, unpub)
5/20/16	14:38					unknown															SBHVO (Wood, unpub)
5/20/16	14:41					ml swr?					43.0		1.95				1.95	nomo			SBHVO (Wood, unpub)
5/20/16	14:42					ml swr?					48.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/20/16	14:49					ml swr?					46.0		2.00				2.00	nomo			SBHVO (Wood, unpub)
5/20/16	14:50					ml swr?					48.0		2.63				2.63	nomo			SBHVO (Wood, unpub)
5/20/16	14:54					ml swr?					55.0		2.80				2.80	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/20/16	14:56					ml swr?					48.0		3.08				3.08	nomo		Warshauer notes: At Pahala, Kau, six earthquakes were felt between one and three o'clock this afternoon [May 20]. they were of short duration and no damage was done.	SBHVO (Wood, unpub); PCA, 5/21/1916; HT, 5/23/1916
5/20/16	14:58					ml swr?					47.0		2.62				2.62	nomo			SBHVO (Wood, unpub)
5/20/16	15:04					unknown															SBHVO (Wood, unpub)
5/20/16	15:18					unknown															SBHVO (Wood, unpub)
5/20/16	15:23					unknown															SBHVO (Wood, unpub)
5/20/16	15:25					unknown															SBHVO (Wood, unpub)
5/20/16	15:32					ml swr?					47.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
5/20/16	15:34					ml swr?					45.0		2.59				2.59	nomo			SBHVO (Wood, unpub)
5/20/16	15:43					ml swr?					49.0		3.09				3.09	nomo			SBHVO (Wood, unpub)
5/20/16	15:50					ml swr?					51.0		2.48				2.48	nomo			SBHVO (Wood, unpub)
5/20/16	15:54					ml swr?					49.0		2.45				2.45	nomo			SBHVO (Wood, unpub)
5/20/16	15:57					ml mok?					32.0										SBHVO (Wood, unpub)
5/20/16	16:00					ml swr?					40.0		3.06				3.06	nomo			SBHVO (Wood, unpub)
5/20/16	16:06					ml swr?					51.0		2.88				2.88	nomo			SBHVO (Wood, unpub)
5/20/16	16:12					ml swr?					40.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/20/16	16:26					ml swr?					40.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/20/16	16:32					ml swr?					40.0		2.31				2.31	nomo			SBHVO (Wood, unpub)
5/20/16	16:40					ml swr?					40.0		4.14				4.14	nomo	felt	felt-Hilea	SBHVO (Wood, unpub)
5/20/16	16:41					ml swr?					43.0		2.63				2.63	nomo			SBHVO (Wood, unpub)
5/20/16	16:50					unknown															SBHVO (Wood, unpub)
5/20/16	17:02					ml swr?					44.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
5/20/16	17:04					ml swr?					58.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
5/20/16	17:07					hilea?					47.0		4.57				4.57	nomo	felt	felt-Hilea	SBHVO (Wood, unpub)
5/20/16	17:11					ml swr?					54.0										SBHVO (Wood, unpub)
5/20/16	17:19					ml swr?					41.0		2.73				2.73	nomo			SBHVO (Wood, unpub)
5/20/16	17:42					ml swr?					41.0		2.73				2.73	nomo			SBHVO (Wood, unpub)
5/20/16	17:51					ml swr?					48.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/20/16	18:11					ml swr?					49.0		2.85				2.85	nomo			SBHVO (Wood, unpub)
5/20/16	18:19					ml swr?					41.0		3.14				3.14	nomo			SBHVO (Wood, unpub)
5/20/16	18:28					unknown															SBHVO (Wood, unpub)
5/20/16	18:45					ml swr?					60.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
5/20/16	18:54					unknown															SBHVO (Wood, unpub)
5/20/16	18:59					ml swr?					49.0		3.09				3.09	nomo			SBHVO (Wood, unpub)
5/20/16	19:08					unknown															SBHVO (Wood, unpub)
5/20/16	19:13					unknown															SBHVO (Wood, unpub)
5/20/16	19:15					ml swr?					57.0		2.96				2.96	nomo			SBHVO (Wood, unpub)
5/20/16	19:17					ml mok?					36.0		2.51				2.51	nomo			SBHVO (Wood, unpub)
5/20/16	19:18					ml swr?					47.0		3.39				3.39	nomo			SBHVO (Wood, unpub)
5/20/16	19:24					unknown															SBHVO (Wood, unpub)
5/20/16	19:30					unknown															SBHVO (Wood, unpub)
5/20/16	19:32					unknown															SBHVO (Wood, unpub)
5/20/16	19:33					unknown															SBHVO (Wood, unpub)
5/20/16	19:43					ml swr?					45.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
5/20/16	19:57					unknown															SBHVO (Wood, unpub)
5/20/16	19:58					ml swr?					60.0		2.18				2.18	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/20/16	20:01																				SBHVO (Wood, unpub)
5/20/16	20:03																				SBHVO (Wood, unpub)
5/20/16	20:06																				SBHVO (Wood, unpub)
5/20/16	20:09																				SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/20/16	20:10					ml swr?					50.0		2.87				2.87	nomo			SBHVO (Wood, unpub)
5/20/16	20:13					ml swr?					43.0		2.46				2.46	nomo			SBHVO (Wood, unpub)
5/20/16	20:14					ml swr?					43.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
5/20/16	20:15					ml swr?					41.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
5/20/16	20:17					ml swr?					40.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/20/16	20:19																				SBHVO (Wood, unpub)
5/20/16	20:28					ml swr?					43.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
5/20/16	20:31					unknown															SBHVO (Wood, unpub)
5/20/16	20:35					unknown															SBHVO (Wood, unpub)
5/20/16	20:40																				SBHVO (Wood, unpub)
5/20/16	20:43					ml swr?					47.0		2.69				2.69	nomo			SBHVO (Wood, unpub)
5/20/16	20:48					ml swr?					45.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
5/20/16	20:50																				SBHVO (Wood, unpub)
5/20/16	20:53					ml swr?					48.0		2.03				2.03	nomo			SBHVO (Wood, unpub)
5/20/16	20:56					ml swr?					45.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
5/20/16	20:59					ml swr?					45.0		2.18				2.18	nomo			SBHVO (Wood, unpub)
5/20/16	21:02																				SBHVO (Wood, unpub)
5/20/16	21:06					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/20/16	21:13					ml swr?					46.0		3.05				3.05	nomo			SBHVO (Wood, unpub)
5/20/16	21:15					ml swr?					55.0		2.77				2.77	nomo			SBHVO (Wood, unpub)
5/20/16	21:20					ml swr?					43.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
5/20/16	21:22					ml swr?					43.0										SBHVO (Wood, unpub)
5/20/16	21:24					ml swr?					45.0		2.20				2.20	nomo			SBHVO (Wood, unpub)
5/20/16	21:31					ml swr?					47.0		2.01				2.01	nomo			SBHVO (Wood, unpub)
5/20/16	21:42																				SBHVO (Wood, unpub)
5/20/16	22:13																				SBHVO (Wood, unpub)
5/20/16	22:22					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/20/16	22:28					ml swr?					50.0		3.27				3.27	nomo			SBHVO (Wood, unpub)
5/20/16	22:33					ml swr?					56.0		2.95				2.95	nomo			SBHVO (Wood, unpub)
5/20/16	22:37					kohala??					98.0		3.21				3.21	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/20/16	22:47					unknown															SBHVO (Wood, unpub)
5/20/16	23:06					unknown															SBHVO (Wood, unpub)
5/20/16	23:12					ml swr?					44.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
5/20/16	23:16					ml swr?					60.0		3.23				3.23	nomo			SBHVO (Wood, unpub)
5/20/16	23:32					ml swr?					45.0		2.95				2.95	nomo			SBHVO (Wood, unpub)
5/20/16	23:35					unknown															SBHVO (Wood, unpub)
5/20/16	23:37					ml swr?					45.0										SBHVO (Wood, unpub)
5/20/16	23:41					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/20/16	23:50					ml wf?					64.0		3.04				3.04	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/21/16	0:33					unknown															SBHVO (Wood, unpub)
5/21/16	0:43					kilauea??					10.0		2.80				2.80	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/21/16	0:54					ml swr?					47.0		2.66				2.66	nomo			SBHVO (Wood, unpub)
5/21/16	1:08					ml swr?					50.0		3.27				3.27	nomo			SBHVO (Wood, unpub)
5/21/16	1:23					unknown															SBHVO (Wood, unpub)
5/21/16	1:38					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
5/21/16	1:53					unknown															SBHVO (Wood, unpub)
5/21/16	1:58					unknown															SBHVO (Wood, unpub)
5/21/16	2:04					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/21/16	2:05					ml swr?					47.0		2.53				2.53	nomo			SBHVO (Wood, unpub)
5/21/16	2:07					ml swr?					47.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
5/21/16	2:35					unknown															SBHVO (Wood, unpub)
5/21/16	2:37					unknown															SBHVO (Wood, unpub)
5/21/16	3:00					unknown															SBHVO (Wood, unpub)
5/21/16	3:12					unknown															SBHVO (Wood, unpub)
5/21/16	3:24					ml swr?					47.0		3.82				3.82	nomo			SBHVO (Wood, unpub)
5/21/16	3:26					ml swr?					46.0		2.40				2.40	nomo			SBHVO (Wood, unpub)
5/21/16	3:33					unknown															SBHVO (Wood, unpub)
5/21/16	3:37					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/21/16	4:05					ml swr?					48.0		3.18				3.18	nomo			SBHVO (Wood, unpub)
5/21/16	4:09					ml swr?					46.0		2.92				2.92	nomo			SBHVO (Wood, unpub)
5/21/16	4:12					unknown															SBHVO (Wood, unpub)
5/21/16	4:20					unknown															SBHVO (Wood, unpub)
5/21/16	5:09					unknown															SBHVO (Wood, unpub)
5/21/16	5:10					ml swr?					47.0		2.98				2.98	nomo			SBHVO (Wood, unpub)
5/21/16	5:58					unknown															SBHVO (Wood, unpub)
5/21/16	6:02					unknown															SBHVO (Wood, unpub)
5/21/16	6:05					unknown															SBHVO (Wood, unpub)
5/21/16	6:09					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
5/21/16	6:23					ml swr?					42.0		3.28				3.28	nomo			SBHVO (Wood, unpub)
5/21/16	6:31					ml swr?															SBHVO (Wood, unpub)
5/21/16	6:35					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
5/21/16	6:54					unknown															SBHVO (Wood, unpub)
5/21/16	7:14					unknown															SBHVO (Wood, unpub)
5/21/16	7:16					unknown															SBHVO (Wood, unpub)
5/21/16	7:26					ml swr?					43.0		3.09				3.09	nomo			SBHVO (Wood, unpub)
5/21/16	8:19					ml swr?					56.0		2.89				2.89	nomo			SBHVO (Wood, unpub)
5/21/16	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
5/21/16	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
5/21/16	8:42					ml swr?					52.0		2.90				2.90	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/21/16	8:45					ml swr?					48.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/21/16	8:48					ml swr?					45.0										SBHVO (Wood, unpub)
5/21/16	9:11					unknown															SBHVO (Wood, unpub)
5/21/16	9:21					unknown															SBHVO (Wood, unpub)
5/21/16	9:58					unknown															SBHVO (Wood, unpub)
5/21/16	10:14					unknown															SBHVO (Wood, unpub)
5/21/16	10:16					unknown															SBHVO (Wood, unpub)
5/21/16	10:21					unknown															SBHVO (Wood, unpub)
5/21/16	10:31					ml swr?					43.0		2.63				2.63	nomo			SBHVO (Wood, unpub)
5/21/16	10:46					ml swr?					48.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/21/16	10:48					unknown															SBHVO (Wood, unpub)
5/21/16	11:00					unknown															SBHVO (Wood, unpub)
5/21/16	11:02					unknown															SBHVO (Wood, unpub)
5/21/16	11:19					ml swr?					43.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
5/21/16	11:27					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/21/16	11:31					unknown															SBHVO (Wood, unpub)
5/21/16	11:36					ml swr?					48.0		3.38				3.38	nomo			SBHVO (Wood, unpub)
5/21/16	11:39					ml swr?					45.0		2.66				2.66	nomo			SBHVO (Wood, unpub)
5/21/16	11:48					ml swr?					47.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
5/21/16	11:49					ml swr?					48.0		3.70				3.70	nomo			SBHVO (Wood, unpub)
5/21/16	12:04					ml swr?															SBHVO (Wood, unpub)
5/21/16	12:05					ml swr?					45.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
5/21/16	12:07					ml swr?					48.0		3.38				3.38	nomo			SBHVO (Wood, unpub)
5/21/16	12:21					ml swr?					48.0		3.44				3.44	nomo			SBHVO (Wood, unpub)
5/21/16	12:24					unknown															SBHVO (Wood, unpub)
5/21/16	12:31					unknown															SBHVO (Wood, unpub)
5/21/16	12:36					unknown															SBHVO (Wood, unpub)
5/21/16	12:49					unknown															SBHVO (Wood, unpub)
5/21/16	12:55					ml swr?					45.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
5/21/16	12:57					unknown															SBHVO (Wood, unpub)
5/21/16	12:59					unknown															SBHVO (Wood, unpub)
5/21/16	13:25					unknown															SBHVO (Wood, unpub)
5/21/16	13:28					ml swr?					47.0		2.42				2.42	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/21/16	13:34					ml swr?					43.0		3.93				3.93	nomo			SBHVO (Wood, unpub)
5/21/16	14:03					ml swr?					47.0		2.69				2.69	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/21/16	14:19					ml swr?					46.0		3.81				3.81	nomo			SBHVO (Wood, unpub)
5/21/16	14:34					unknown															SBHVO (Wood, unpub)
5/21/16	14:45					unknown															SBHVO (Wood, unpub)
5/21/16	14:52					unknown															SBHVO (Wood, unpub)
5/21/16	15:00					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
5/21/16	15:15					ml swr?					45.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
5/21/16	15:22					unknown															SBHVO (Wood, unpub)
5/21/16	15:26					unknown															SBHVO (Wood, unpub)
5/21/16	15:29					unknown															SBHVO (Wood, unpub)
5/21/16	15:33					unknown															SBHVO (Wood, unpub)
5/21/16	15:41					unknown															SBHVO (Wood, unpub)
5/21/16	15:48					unknown															SBHVO (Wood, unpub)
5/21/16	15:52					unknown															SBHVO (Wood, unpub)
5/21/16	15:58					unknown															SBHVO (Wood, unpub)
5/21/16	16:01					unknown															SBHVO (Wood, unpub)
5/21/16	16:02					ml swr?					36.0		1.83				1.83	nomo			SBHVO (Wood, unpub)
5/21/16	16:05					ml swr?					56.0		2.82				2.82	nomo			SBHVO (Wood, unpub)
5/21/16	16:08					unknown															SBHVO (Wood, unpub)
5/21/16	16:11					ml swr?					48.0		3.17				3.17	nomo			SBHVO (Wood, unpub)
5/21/16	16:13					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
5/21/16	16:15					ml swr?					45.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
5/21/16	16:20					ml swr?					45.0		3.03				3.03	nomo			SBHVO (Wood, unpub)
5/21/16	16:26					unknown															SBHVO (Wood, unpub)
5/21/16	16:29					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/21/16	16:36					ml swr?					45.0		3.20				3.20	nomo			SBHVO (Wood, unpub)
5/21/16	16:45					ml swr?					45.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
5/21/16	16:47					unknown															SBHVO (Wood, unpub)
5/21/16	16:49					unknown															SBHVO (Wood, unpub)
5/21/16	16:58					ml swr?					48.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/21/16	17:14					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/21/16	17:18					ml swr?					53.0		3.25				3.25	nomo			SBHVO (Wood, unpub)
5/21/16	17:20					ml swr?					50.0		3.75				3.75	nomo			SBHVO (Wood, unpub)
5/21/16	17:23					ml swr?					45.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
5/21/16	17:26					unknown															SBHVO (Wood, unpub)
5/21/16	17:30					ml swr?					45.0		2.18				2.18	nomo			SBHVO (Wood, unpub)
5/21/16	17:31					unknown															SBHVO (Wood, unpub)
5/21/16	17:35					unknown															SBHVO (Wood, unpub)
5/21/16	17:39					ml swr?					46.0		2.00				2.00	nomo			SBHVO (Wood, unpub)
5/21/16	17:42					ml swr?					50.0		3.68				3.68	nomo			SBHVO (Wood, unpub)
5/21/16	17:44					ml wf?					68.0		1.97				1.97	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/21/16	17:50					unknown															SBHVO (Wood, unpub)
5/21/16	17:51					hilea?					47.0		4.37				4.37	nomo	felt	felt-	SBHVO (Wood, unpub)
5/21/16	17:58					unknown															SBHVO (Wood, unpub)
5/21/16	18:11					unknown															SBHVO (Wood, unpub)
5/21/16	18:18					ml swr?					48.0		3.78				3.78	nomo			SBHVO (Wood, unpub)
5/21/16	18:21					ml swr?					46.0		2.19				2.19	nomo			SBHVO (Wood, unpub)
5/21/16	18:24					ml swr?					54.0		3.87				3.87	nomo			SBHVO (Wood, unpub)
5/21/16	18:30					unknown															SBHVO (Wood, unpub)
5/21/16	18:31					unknown															SBHVO (Wood, unpub)
5/21/16	18:35					unknown															SBHVO (Wood, unpub)
5/21/16	18:46					unknown															SBHVO (Wood, unpub)
5/21/16	19:05					unknown															SBHVO (Wood, unpub)
5/21/16	19:16					unknown															SBHVO (Wood, unpub)
5/21/16	19:19					unknown															SBHVO (Wood, unpub)
5/21/16	19:22					ml swr?					48.0		3.65				3.65	nomo			SBHVO (Wood, unpub)
5/21/16	19:45					unknown															SBHVO (Wood, unpub)
5/21/16	20:03					ml swr?					48.0		3.18				3.18	nomo			SBHVO (Wood, unpub)
5/21/16	20:53					unknown															SBHVO (Wood, unpub)
5/21/16	21:06					unknown															SBHVO (Wood, unpub)
5/21/16	21:08					unknown															SBHVO (Wood, unpub)
5/21/16	21:09					unknown															SBHVO (Wood, unpub)
5/21/16	21:27					unknown															SBHVO (Wood, unpub)
5/21/16	21:51					ml swr					48.0		3.72				3.72	nomo			SBHVO (Wood, unpub)
5/21/16	22:07					ml swr?					45.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
5/21/16	22:33					ml swr?					58.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/21/16	22:41					unknown															SBHVO (Wood, unpub)
5/21/16	23:00					ml swr?					48.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/21/16	23:08					ml swr?					48.0		2.71				2.71	nomo		Warshauer notes: Almost continuous slight earthquakes [May 21] have convinced Professor Jaggar that a second outbreak of Mauna Loa is momentarily possible.	SBHVO (Wood, unpub); PCA, 5/23/1916
5/21/16	23:20					ml swr?														Mauna Loa SW rift eruption resumes, 6900 ft; eqs accompanying eruption gradually diminishes; At about 11 p.m. May 21 (HST) flow broke out on the south-west slope of Mauna Loa. This was first seen by H.O. Wood from the observatory at about 11:20 PM	ESPHVO, v. 2, p. 451, 456; SBHVO (Wood, unpub); HSB, 5/22/1916
5/21/16	23:21					unknown															SBHVO (Wood, unpub)
5/21/16	23:53					ml swr?					45.0		3.03				3.03	nomo			SBHVO (Wood, unpub)
5/22/16	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

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/22/16	0:15					ml swr?					48.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
5/22/16	0:24					unknown														time corrected (given as 1:24)	SBHVO (Wood, unpub)
5/22/16	0:32					unknown															SBHVO (Wood, unpub)
5/22/16	0:40					unknown															SBHVO (Wood, unpub)
5/22/16	1:06					ml swr?					56.0		3.05				3.05	nomo			SBHVO (Wood, unpub)
5/22/16	1:26					ml swr?					50.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
5/22/16	1:42					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/22/16	2:00					unknown															SBHVO (Wood, unpub)
5/22/16	2:15					unknown															SBHVO (Wood, unpub)
5/22/16	2:35					ml swr?					48.0		3.08				3.08	nomo			SBHVO (Wood, unpub)
5/22/16	3:12					ml swr?					48.0		3.38				3.38	nomo			SBHVO (Wood, unpub)
5/22/16	3:23					ml swr?					48.0		3.57				3.57	nomo			SBHVO (Wood, unpub)
5/22/16	3:26					ml swr?															SBHVO (Wood, unpub)
5/22/16	3:29					unknown					50.0		2.46				2.46	nomo			SBHVO (Wood, unpub)
5/22/16	3:33					unknown															SBHVO (Wood, unpub)
5/22/16	3:36					unknown															SBHVO (Wood, unpub)
5/22/16	3:49					unknown															SBHVO (Wood, unpub)
5/22/16	4:03					ml swr?															SBHVO (Wood, unpub)
5/22/16	4:09					ml swr?					45.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
5/22/16	4:33					ml swr?					43.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
5/22/16	4:36					unknown															SBHVO (Wood, unpub)
5/22/16	4:45					unknown															SBHVO (Wood, unpub)
5/22/16	5:05					unknown															SBHVO (Wood, unpub)
5/22/16	5:09					unknown															SBHVO (Wood, unpub)
5/22/16	5:11					ml swr?					48.0		3.72				3.72	nomo			SBHVO (Wood, unpub)
5/22/16	5:37					kona??					72.0		3.12				3.12	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/22/16	6:02					unknown															SBHVO (Wood, unpub)
5/22/16	6:13					ml mok?					35.0		2.49				2.49	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/22/16	6:19					unknown															SBHVO (Wood, unpub)
5/22/16	6:31					unknown															SBHVO (Wood, unpub)
5/22/16	7:33					kohala??					106.0		3.63				3.63	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/22/16	7:40					hilea?					55.0		4.42				4.42	nomo			SBHVO (Wood, unpub)
5/22/16	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
5/22/16	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
5/22/16	8:41					unknown															SBHVO (Wood, unpub)
5/22/16	8:46					ml swr?					45.0		2.66				2.66	nomo			SBHVO (Wood, unpub)
5/22/16	8:55					unknown															SBHVO (Wood, unpub)
5/22/16	10:07					ml swr?					50.0		2.46				2.46	nomo			SBHVO (Wood, unpub)
5/22/16	10:20					unknown															SBHVO (Wood, unpub)
5/22/16	10:36					ml swr?					48.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
5/22/16	11:00					unknown															SBHVO (Wood, unpub)
5/22/16	11:31					unknown															SBHVO (Wood, unpub)
5/22/16	12:01					ml swr?					48.0		3.08				3.08	nomo			SBHVO (Wood, unpub)
5/22/16	12:27					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/22/16	12:29					ml swr?					43.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
5/22/16	12:39					ml swr?					48.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/22/16	12:45					unknown															SBHVO (Wood, unpub)
5/22/16	12:56					ml swr?					48.0		3.30				3.30	nomo			SBHVO (Wood, unpub)
5/22/16	13:01					ml swr?					43.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
5/22/16	13:10					ml swr?					48.0		3.89				3.89	nomo			SBHVO (Wood, unpub)
5/22/16	13:12					ml swr?					48.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
5/22/16	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
5/22/16	13:49					unknown															SBHVO (Wood, unpub)
5/22/16	13:55					unknown															SBHVO (Wood, unpub)
5/22/16	13:56					ml swr?					45.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
5/22/16	14:09					unknown															SBHVO (Wood, unpub)
5/22/16	14:22					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
5/22/16	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
5/22/16	14:38					ml swr?					58.0		3.38				3.38	nomo			SBHVO (Wood, unpub)
5/22/16	15:36					unknown															SBHVO (Wood, unpub)
5/22/16	15:44					unknown															SBHVO (Wood, unpub)
5/22/16	16:05					hilea?					52.0		4.48				4.48	nomo			not found in Honolulu Station Bulletin (Hazard, 1918); SBHVO (Wood, unpub)
5/22/16	16:09					ml swr?					48.0		3.57				3.57	nomo			SBHVO (Wood, unpub)
5/22/16	16:20					unknown															SBHVO (Wood, unpub)
5/22/16	16:52					ml wf??					66.0		5.44				5.44	nomo	felt	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
5/22/16	17:00					unknown															SBHVO (Wood, unpub)
5/22/16	18:45					unknown															SBHVO (Wood, unpub)
5/22/16	19:05					unknown															SBHVO (Wood, unpub)
5/22/16	19:05					unknown															SBHVO (Wood, unpub)
5/22/16	20:18					unknown															SBHVO (Wood, unpub)
5/22/16	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
5/22/16	20:37					unknown															SBHVO (Wood, unpub)
5/22/16	21:10					unknown															SBHVO (Wood, unpub)
5/22/16	21:21					unknown														out of sequence in Wood catalog	SBHVO (Wood, unpub)
5/22/16	21:26					ml swr?					48.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
5/22/16	21:36					ml swr?					46.0		4.34				4.34	nomo			SBHVO (Wood, unpub)
5/22/16	21:44					ml swr?					45.0		4.42				4.42	nomo			SBHVO (Wood, unpub)
5/22/16	22:22					ml swr?					45.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
5/22/16	22:55					ml swr?					46.5		3.22				3.22	nomo			SBHVO (Wood, unpub)
5/22/16	23:50					unknown															SBHVO (Wood, unpub)
5/23/16	0:18					unknown															SBHVO (Wood, unpub)
5/23/16	0:20					ml swr?					53.0		3.45				3.45	nomo			SBHVO (Wood, unpub)
5/23/16	0:33					unknown															SBHVO (Wood, unpub)
5/23/16	0:59					unknown															SBHVO (Wood, unpub)
5/23/16	1:02					unknown															SBHVO (Wood, unpub)
5/23/16	1:08					ml swr?					45.0		2.18				2.18	nomo			SBHVO (Wood, unpub)
5/23/16	2:58					ml swr?					50.0		3.27				3.27	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/23/16	3:02					ml wf?					60.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
5/23/16	3:18					unknown															SBHVO (Wood, unpub)
5/23/16	3:59					unknown															SBHVO (Wood, unpub)
5/23/16	4:17					ml mok?					39.0		2.29				2.29	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/23/16	4:20					ml wf?					67.0		3.07				3.07	nomo			SBHVO (Wood, unpub)
5/23/16	4:23					unknown															SBHVO (Wood, unpub)
5/23/16	4:26					ml swr?					48.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/23/16	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
5/23/16	5:18					ml wf?					60.0		3.23				3.23	nomo			SBHVO (Wood, unpub)
5/23/16	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
5/23/16	5:46					maui??					176.0		3.34				3.34	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/23/16	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
5/23/16	5:56					ml swr?					43.0		2.63				2.63	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/23/16	6:21					unknown															SBHVO (Wood, unpub)
5/23/16	6:23					unknown															SBHVO (Wood, unpub)
5/23/16	6:26					unknown															SBHVO (Wood, unpub)
5/23/16	6:41					ml swr?					48.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
5/23/16	6:42					unknown															SBHVO (Wood, unpub)
5/23/16	6:57					ml swr?					48.0		3.65				3.65	nomo			SBHVO (Wood, unpub)
5/23/16	7:11					unknown															SBHVO (Wood, unpub)
5/23/16	7:13					ml swr?					48.0		4.09				4.09	nomo			SBHVO (Wood, unpub)
5/23/16	7:36					unknown															SBHVO (Wood, unpub)
5/23/16	7:38					unknown															SBHVO (Wood, unpub)
5/23/16	7:48					hilea?					55.0		4.37				4.37	nomo			SBHVO (Wood, unpub)
5/23/16	8:24					ml swr?					47.0		2.69				2.69	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/23/16	8:36					ml swr?					58.0		3.38				3.38	nomo			SBHVO (Wood, unpub)
5/23/16	8:37					ml swr?					54.0		3.46				3.46	nomo			SBHVO (Wood, unpub)
5/23/16	9:07					ml swr?					55.0		4.34				4.34	nomo			SBHVO (Wood, unpub)
5/23/16	9:14					ml swr?					58.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
5/23/16	9:17					unknown															SBHVO (Wood, unpub)
5/23/16	10:27					unknown															SBHVO (Wood, unpub)
5/23/16	10:30					ml swr?					56.0		3.18				3.18	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/23/16	11:18					unknown															SBHVO (Wood, unpub)
5/23/16	11:37					unknown															SBHVO (Wood, unpub)
5/23/16	11:46					ml swr?					57.0		3.37				3.37	nomo			SBHVO (Wood, unpub)
5/23/16	11:51					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/23/16	12:31					unknown															SBHVO (Wood, unpub)
5/23/16	12:40					ml swr?					48.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
5/23/16	12:49					unknown															SBHVO (Wood, unpub)
5/23/16	13:14					unknown															SBHVO (Wood, unpub)
5/23/16	13:16					unknown															SBHVO (Wood, unpub)
5/23/16	13:33					unknown															SBHVO (Wood, unpub)
5/23/16	13:48					ml wf?					62.0		4.02				4.02	nomo			SBHVO (Wood, unpub)
5/23/16	14:20					unknown															SBHVO (Wood, unpub)
5/23/16	14:29					unknown															SBHVO (Wood, unpub)
5/23/16	14:32					unknown															SBHVO (Wood, unpub)
5/23/16	14:52					unknown															SBHVO (Wood, unpub)
5/23/16	15:04					ml swr?					48.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/23/16	15:58					unknown															SBHVO (Wood, unpub)
5/23/16	16:02					ml swr?					55.0		3.17				3.17	nomo			SBHVO (Wood, unpub)
5/23/16	16:25					unknown															SBHVO (Wood, unpub)
5/23/16	16:28					unknown															SBHVO (Wood, unpub)
5/23/16	16:30					unknown															SBHVO (Wood, unpub)
5/23/16	16:33					unknown															SBHVO (Wood, unpub)
5/23/16	16:39					ml swr?					50.0		2.33				2.33	nomo			SBHVO (Wood, unpub)
5/23/16	16:46					unknown															SBHVO (Wood, unpub)
5/23/16	16:49					ml swr?					55.0		3.17				3.17	nomo			SBHVO (Wood, unpub)
5/23/16	16:49					ml swr?					50.0		3.51				3.51	nomo			SBHVO (Wood, unpub)
5/23/16	17:02					ml swr?					55.0		4.12				4.12	nomo			SBHVO (Wood, unpub)
5/23/16	17:09					ml swr?					50.0		2.66				2.66	nomo			SBHVO (Wood, unpub)
5/23/16	17:21					ml swr?					50.0		3.92				3.92	nomo			SBHVO (Wood, unpub)
5/23/16	17:21					unknown															SBHVO (Wood, unpub)
5/23/16	18:54					unknown															SBHVO (Wood, unpub)
5/23/16	19:09					ml swr?					50.0		2.62				2.62	nomo			SBHVO (Wood, unpub)
5/23/16	19:35					ml wf?					60.0		3.69				3.69	nomo			SBHVO (Wood, unpub)
5/23/16	20:04					unknown															SBHVO (Wood, unpub)
5/23/16	20:54					ml swr?					50.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
5/23/16	21:00					a1320					14.0		2.59				2.59	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/23/16	21:04					ml swr?					50.0		3.97				3.97	nomo			SBHVO (Wood, unpub)
5/23/16	21:11					unknown															SBHVO (Wood, unpub)
5/23/16	22:14					ml swr?					50.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
5/23/16	22:36					unknown															SBHVO (Wood, unpub)
5/23/16	22:57					unknown															SBHVO (Wood, unpub)
5/23/16	23:37					ml wf?					65.0		4.13				4.13	nomo			SBHVO (Wood, unpub)
5/23/16	23:58					ml swr?					55.0		3.07				3.07	nomo			SBHVO (Wood, unpub)
5/24/16	0:09					unknown															SBHVO (Wood, unpub)
5/24/16	0:10					ml swr?					55.0		3.75				3.75	nomo			SBHVO (Wood, unpub)
5/24/16	0:39					ml swr?					50.0		3.36				3.36	nomo			SBHVO (Wood, unpub)
5/24/16	1:35					unknown															SBHVO (Wood, unpub)
5/24/16	1:43					ml swr?					50.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
5/24/16	3:45					unknown															SBHVO (Wood, unpub)
5/24/16	4:55					unknown															SBHVO (Wood, unpub)
5/24/16	5:07					unknown															SBHVO (Wood, unpub)
5/24/16	5:18					unknown															SBHVO (Wood, unpub)
5/24/16	5:26					unknown															SBHVO (Wood, unpub)
5/24/16	5:51					unknown															SBHVO (Wood, unpub)
5/24/16	5:57					ml swr?					55.0		2.93				2.93	nomo			SBHVO (Wood, unpub)
5/24/16	6:02					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/24/16	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
5/24/16	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
5/24/16	7:32					unknown															SBHVO (Wood, unpub)
5/24/16	7:38					unknown															SBHVO (Wood, unpub)
5/24/16	7:42					ml wf?					60.0		3.40				3.40	nomo			SBHVO (Wood, unpub)
5/24/16	7:49					ml swr?					50.0		3.11				3.11	nomo			SBHVO (Wood, unpub)
5/24/16	11:14					unknown															SBHVO (Wood, unpub)
5/24/16	11:42					unknown															SBHVO (Wood, unpub)
5/24/16	12:37					hilea?					46.0		4.51				4.51	nomo	felt	presumed felt s Hawaii	SBHVO (Wood, unpub); ESPHVO, v. 2, p. 453
5/24/16	13:42					ml swr?					48.0		4.06				4.06	nomo			SBHVO (Wood, unpub)
5/24/16	13:50					ml swr?					48.0		3.98				3.98	nomo			SBHVO (Wood, unpub)
5/24/16	15:16					ml swr?					50.0		3.11				3.11	nomo			SBHVO (Wood, unpub)
5/24/16	16:09					ml swr?					48.0		4.09				4.09	nomo			SBHVO (Wood, unpub)
5/24/16	16:40					unknown															SBHVO (Wood, unpub)
5/24/16	16:51					unknown															SBHVO (Wood, unpub)
5/24/16	18:54					unknown															SBHVO (Wood, unpub)
5/24/16	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
5/24/16	20:30					ml mok?					35.0		2.21				2.21	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/24/16	21:22					ml swr?					55.0		2.93				2.93	nomo			SBHVO (Wood, unpub)
5/24/16	21:26					unknown															SBHVO (Wood, unpub)
5/24/16	23:17					unknown															SBHVO (Wood, unpub)
5/24/16	23:50					unknown															SBHVO (Wood, unpub)
5/25/16						ml swr?														hundreds of weak local eq's have been recorded since the beginning or eruption and these continue as of 5/25; 3 or 4 felt locally, many more in south part of island; Warshauer notes: quotes above statement	ESPHVO, v. 2, p. 453; HT, 5/30/1916
5/25/16	2:20					unknown															SBHVO (Wood, unpub)
5/25/16	2:25					unknown															SBHVO (Wood, unpub)
5/25/16	2:51					unknown															SBHVO (Wood, unpub)
5/25/16	3:34					unknown															SBHVO (Wood, unpub)
5/25/16	3:36					unknown															SBHVO (Wood, unpub)
5/25/16	3:45					unknown															SBHVO (Wood, unpub)
5/25/16	5:16					ml swr?					50.0		2.25				2.25	nomo			SBHVO (Wood, unpub)
5/25/16	6:15					unknown															SBHVO (Wood, unpub)
5/25/16	7:49					unknown															SBHVO (Wood, unpub)
5/25/16	9:00					unknown															SBHVO (Wood, unpub)
5/25/16	10:36					unknown															SBHVO (Wood, unpub)
5/25/16	11:09					unknown															SBHVO (Wood, unpub)
5/25/16	11:28					unknown															SBHVO (Wood, unpub)
5/25/16	11:57					unknown															SBHVO (Wood, unpub)
5/25/16	12:03					unknown															SBHVO (Wood, unpub)
5/25/16	12:20					unknown															SBHVO (Wood, unpub)
5/25/16	12:36					ml swr?					46.0		2.96				2.96	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/25/16	12:49					unknown															SBHVO (Wood, unpub)
5/25/16	13:12					unknown															SBHVO (Wood, unpub)
5/25/16	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
5/25/16	13:48					unknown															SBHVO (Wood, unpub)
5/25/16	14:14					ml swr?					43.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
5/25/16	15:12					unknown															SBHVO (Wood, unpub)
5/25/16	15:24					unknown															SBHVO (Wood, unpub)
5/25/16	16:02					ml swr?					50.0		3.07				3.07	nomo			SBHVO (Wood, unpub)
5/25/16	17:36					hilea?					50.0		4.49				4.49	nomo			SBHVO (Wood, unpub)
5/25/16	18:04					kaoiki?					22.0		3.11				3.11	nomo			SBHVO (Wood, unpub)
5/25/16	21:13					ml swr?					50.0		3.27				3.27	nomo			SBHVO (Wood, unpub)
5/25/16	21:29					unknown															SBHVO (Wood, unpub)
5/25/16	21:50					kaoiki?					26.0		4.23				4.23	nomo			SBHVO (Wood, unpub)
5/25/16	23:37					unknown															SBHVO (Wood, unpub)
5/25/16	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
5/26/16	1:08					ml swr?					52.0		2.90				2.90	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/26/16	1:48					unknown															SBHVO (Wood, unpub)
5/26/16	2:19					unknown															SBHVO (Wood, unpub)
5/26/16	3:14					unknown															SBHVO (Wood, unpub)
5/26/16	3:58					unknown															SBHVO (Wood, unpub)
5/26/16	4:11					unknown															SBHVO (Wood, unpub)
5/26/16	4:14					ml swr?					50.0		3.27				3.27	nomo			SBHVO (Wood, unpub)
5/26/16	6:00					unknown															SBHVO (Wood, unpub)
5/26/16	6:48					unknown															SBHVO (Wood, unpub)
5/26/16	7:56					unknown															SBHVO (Wood, unpub)
5/26/16	8:18					unknown															SBHVO (Wood, unpub)
5/26/16	8:40					unknown															SBHVO (Wood, unpub)
5/26/16	9:19					ml swr?					43.0		4.03				4.03	nomo			SBHVO (Wood, unpub)
5/26/16	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)
5/26/16	10:00					kaoiki?					26.0		2.69				2.69	nomo			SBHVO (Wood, unpub)
5/26/16	10:09					ml mok?					31.0		2.13				2.13	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/26/16	12:25					unknown															SBHVO (Wood, unpub)
5/26/16	12:27					unknown															SBHVO (Wood, unpub)
5/26/16	13:29					unknown															SBHVO (Wood, unpub)
5/26/16	16:49					ml swr?					55.0		3.47				3.47	nomo			SBHVO (Wood, unpub)
5/26/16	17:26					unknown															SBHVO (Wood, unpub)
5/26/16	17:27					kaoiki?					11.0		2.96				2.96	nomo			SBHVO (Wood, unpub)
5/26/16	22:53					unknown															SBHVO (Wood, unpub)
5/27/16	1:54					unknown															SBHVO (Wood, unpub)
5/27/16	6:50					kaoiki?					21.0		2.91				2.91	nomo			SBHVO (Wood, unpub)
5/27/16	12:19					unknown															SBHVO (Wood, unpub)
5/27/16	13:44					unknown															SBHVO (Wood, unpub)
5/27/16	16:54					unknown															SBHVO (Wood, unpub)
5/28/16																				A brief interval of comparative seismic quiet ensued, from about May 28 through June 4	ESPHVO, v. 2, p. 465

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
5/28/16	8:49					unknown															SBHVO (Wood, unpub)
5/28/16	17:59					kaoiki?					26.0		2.41				2.41	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/28/16	19:42					unknown															SBHVO (Wood, unpub)
5/28/16	21:00					unknown															SBHVO (Wood, unpub)
5/28/16	23:16					unknown															SBHVO (Wood, unpub)
5/29/16	1:03					kilauea??					10.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/29/16	9:27					unknown															SBHVO (Wood, unpub)
5/29/16	10:08					unknown															SBHVO (Wood, unpub)
5/29/16	10:51					kaoiki?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
5/29/16	20:07					kaoiki?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
5/29/16	22:19					kaoiki?					30.0		3.25				3.25	nomo			SBHVO (Wood, unpub)
5/29/16	23:29					kaoiki?					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
5/30/16	2:21					unknown															SBHVO (Wood, unpub)
5/30/16	7:12					unknown															SBHVO (Wood, unpub)
5/30/16	8:28					unknown															SBHVO (Wood, unpub)
5/30/16	10:22					kilauea??					10.0		1.99				1.99	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
5/30/16	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
5/31/16																				Mauna Loa SW rift eruption ends sometime between 5/27 and 5/30; the earthquake spasm that accompanied the eruption drew to a close with the decline of activity. The interpretation of this relationship must be left for thorough discussion elsewhere.	ESPHVO, v. 2, p. 459; 465
6/1/16	9:45					hilea					43.0										SBHVO (Wood, unpub)
6/2/16	3:50					hilea					43.0		3.98				3.98	nomo			SBHVO (Wood, unpub)
6/2/16	6:06					unknown															SBHVO (Wood, unpub)
6/2/16	18:17					kl cal deep??					32.0		2.43				2.43	nomo			SBHVO (Wood, unpub)
6/3/16	6:53					unknown															SBHVO (Wood, unpub)
6/3/16	8:06					unknown															SBHVO (Wood, unpub)
6/3/16	8:33					hilea					55.0		3.17				3.17	nomo			SBHVO (Wood, unpub)
6/3/16	14:41					unknown															SBHVO (Wood, unpub)
6/3/16	14:45					unknown															SBHVO (Wood, unpub)
6/3/16	15:01					unknown															SBHVO (Wood, unpub)
6/3/16	18:23					unknown															SBHVO (Wood, unpub)
6/3/16	18:28					unknown															SBHVO (Wood, unpub)
6/4/16	10:14					kl mer?					21.0		2.50				2.50	nomo	felt	A second seismic spasm began, in the early part of the 24-hour interval ending in the forenoon of June 5 These were all local shocks of feeble character; many felt at HVO and the rim of Halemaumau, none at Hilo or Pahala.	ESPHVO, v. 2, p. 465; SBHVO (Wood, unpub); HH, 6/9/1916; HT, 6/7, 14/1916; PCA, 6/6/1916; HSB, 6/5/1916
6/4/16	10:14					kl mer?					21.0		2.50				2.50	nomo		None of the shocks stronger than III (Rossi-Forel); epicenters closer to HVO than the Mauna Loa swarm, but the [hypocenters] were in excess of 10 miles. They were associated with a rapid drainage of Kilauea, more spectacular than that of 1915	ESPHVO, v. 2, p. 465 cont.

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/4/16	12:51					unknown														An account of the great collapse of Halemaumau, beginning after 11 a.m. on June 4. Draining was complete by the morning of June 6, but the earthquake swarm continued into June 8. Refilling began on June 8, probably in the morning	EPSHVO, v. 2, p. 463-466
6/4/16	12:51					unknown														There began in the afternoon (6/4), a marked withdrawal of lava within the pit of Halemaumau which developed into a very rapid subsidence on June 5. The following seismic spasm preceded, accompanied and followed this action.	SBHVO (Wood, unpub)
6/4/16	12:54					unknown															SBHVO (Wood, unpub)
6/4/16	12:55					ml mok??					35.0		2.21				2.21	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/4/16	14:41					unknown															SBHVO (Wood, unpub)
6/4/16	15:10					unknown															SBHVO (Wood, unpub)
6/4/16	15:19					unknown															SBHVO (Wood, unpub)
6/4/16	15:49					unknown															SBHVO (Wood, unpub)
6/4/16	15:52					unknown															SBHVO (Wood, unpub)
6/4/16	16:03					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
6/4/16	16:06					kl mer?					21.0		3.32				3.32	nomo			SBHVO (Wood, unpub)
6/4/16	16:09					kl mer?					26.0		2.01				2.01	nomo			SBHVO (Wood, unpub)
6/4/16	17:41					unknown															SBHVO (Wood, unpub)
6/4/16	17:56					kl uer??					10.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/4/16	18:04					unknown															SBHVO (Wood, unpub)
6/4/16	18:06					kl mer?					21.0		3.32				3.32	nomo			SBHVO (Wood, unpub)
6/4/16	18:23					kl mer?					14.0		2.22				2.22	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/4/16	18:56					unknown															SBHVO (Wood, unpub)
6/4/16	19:52					unknown															SBHVO (Wood, unpub)
6/4/16	20:19					unknown															SBHVO (Wood, unpub)
6/4/16	20:48					unknown															SBHVO (Wood, unpub)
6/4/16	21:18					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
6/4/16	21:43					kl mer?					14.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/4/16	22:43					kl mer?					24.0		1.95				1.95	nomo			SBHVO (Wood, unpub)
6/4/16	22:53					kl mer?					22.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
6/4/16	23:03					kl mer?					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
6/4/16	23:04					unknown															SBHVO (Wood, unpub)
6/4/16	23:29					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/5/16	0:25					kl sf?					24.0		4.05				4.05	nomo			SBHVO (Wood, unpub)
6/5/16	0:28					hilea?					45.0		3.61				3.61	nomo			SBHVO (Wood, unpub)
6/5/16	0:36					kl sf?					23.0		4.49				4.49	nomo			SBHVO (Wood, unpub)
6/5/16	0:43					kl mer?					22.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
6/5/16	1:03					kl mer?					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
6/5/16	1:37					unknown															SBHVO (Wood, unpub)
6/5/16	1:38					kl mer?					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/5/16	2:53					unknown															SBHVO (Wood, unpub)
6/5/16	3:06					unknown															SBHVO (Wood, unpub)
6/5/16	3:12					unknown															SBHVO (Wood, unpub)
6/5/16	3:25					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/16	3:41					unknown															SBHVO (Wood, unpub)
6/5/16	3:47					unknown															SBHVO (Wood, unpub)
6/5/16	3:53					kl mer?					24.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
6/5/16	4:12					unknown															SBHVO (Wood, unpub)
6/5/16	4:27					unknown															SBHVO (Wood, unpub)
6/5/16	5:15					unknown															SBHVO (Wood, unpub)
6/5/16	5:24					unknown															SBHVO (Wood, unpub)
6/5/16	5:34					unknown															SBHVO (Wood, unpub)
6/5/16	5:38					kl mer?					25.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
6/5/16	5:50					unknown															SBHVO (Wood, unpub)
6/5/16	6:13					kl mer?					23.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
6/5/16	6:16					kl cal 0-5?					3.6		0.63				0.63	nomo		distance "small"	SBHVO (Wood, unpub)
6/5/16	6:18					kl mer?					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
6/5/16	6:24					kl mer?					22.0		2.40				2.40	nomo			SBHVO (Wood, unpub)
6/5/16	6:36					unknown															SBHVO (Wood, unpub)
6/5/16	6:43					kl mer?					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
6/5/16	6:45					kl mer?					26.0		2.41				2.41	nomo			SBHVO (Wood, unpub)
6/5/16	6:51					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/5/16	6:53					unknown															SBHVO (Wood, unpub)
6/5/16	6:55					unknown															SBHVO (Wood, unpub)
6/5/16	6:55					kl sf?					26.0		4.00				4.00	nomo			SBHVO (Wood, unpub)
6/5/16	7:04					kl mer?					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	7:09					unknown															SBHVO (Wood, unpub)
6/5/16	7:10					kl mer?					28.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
6/5/16	7:26					kl mer?					27.0										SBHVO (Wood, unpub)
6/5/16	7:29					kl mer?					25.0		2.62				2.62	nomo			SBHVO (Wood, unpub)
6/5/16	7:42					unknown															SBHVO (Wood, unpub)
6/5/16	7:45					unknown															SBHVO (Wood, unpub)
6/5/16	7:47					unknown															SBHVO (Wood, unpub)
6/5/16	7:58					kl mer?					23.0		2.33				2.33	nomo			SBHVO (Wood, unpub)
6/5/16	8:00					kl mer?					26.0		2.41				2.41	nomo			SBHVO (Wood, unpub)
6/5/16	8:05					kl sf?					24.0		4.05				4.05	nomo			SBHVO (Wood, unpub)
6/5/16	8:07					kl mer?					25.0		2.18				2.18	nomo			SBHVO (Wood, unpub)
6/5/16	8:14					unknown															SBHVO (Wood, unpub)
6/5/16	8:41					unknown															SBHVO (Wood, unpub)
6/5/16	8:42					unknown															SBHVO (Wood, unpub)
6/5/16	8:45					unknown															SBHVO (Wood, unpub)
6/5/16	8:46					unknown															SBHVO (Wood, unpub)
6/5/16	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)
6/5/16	9:12					unknown															SBHVO (Wood, unpub)
6/5/16	9:13					kl mer?					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
6/5/16	9:19					unknown															SBHVO (Wood, unpub)
6/5/16	9:22					unknown															SBHVO (Wood, unpub)
6/5/16	9:26					kl mer?					14.0		1.58				1.58	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	9:30					unknown															SBHVO (Wood, unpub)
6/5/16	9:33					unknown															SBHVO (Wood, unpub)
6/5/16	9:34					kl mer?					26.0		1.80				1.80	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/16	9:40					hualalai?					80.0		4.70				4.70	nomo		near shock; fairly energetic	SBHVO (Wood, unpub)
6/5/16	9:45					unknown															SBHVO (Wood, unpub)
6/5/16	9:47					unknown															SBHVO (Wood, unpub)
6/5/16	9:51					unknown															SBHVO (Wood, unpub)
6/5/16	9:55					kl mer?					25.0		3.53				3.53	nomo			SBHVO (Wood, unpub)
6/5/16	9:57					kl mer?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/5/16	10:00					kl mer?					25.0		1.57				1.57	nomo			SBHVO (Wood, unpub)
6/5/16	10:08					kl mer?					22.0		2.17				2.17	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	10:12					kl mer?					21.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
6/5/16	10:14					kl mer?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/5/16	10:15					kl mer?					23.5		2.58				2.58	nomo			SBHVO (Wood, unpub)
6/5/16	10:16					kl mer?					24.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
6/5/16	10:16					kl sf?					27.0		4.42				4.42	nomo			SBHVO (Wood, unpub)
6/5/16	10:21					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	10:29					kl mer?					22.0		2.09				2.09	nomo			SBHVO (Wood, unpub)
6/5/16	10:33					unknown															SBHVO (Wood, unpub)
6/5/16	10:35					unknown															SBHVO (Wood, unpub)
6/5/16	10:36					kl mer?					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
6/5/16	10:40					unknown															SBHVO (Wood, unpub)
6/5/16	10:44					kl mer?					20.0		3.37				3.37	nomo			SBHVO (Wood, unpub)
6/5/16	10:48					kl mer?					23.0		3.27				3.27	nomo			SBHVO (Wood, unpub)
6/5/16	10:50					kl mer?					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
6/5/16	10:51					kl mer?					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
6/5/16	10:53					kl mer?					22.0		2.64				2.64	nomo			SBHVO (Wood, unpub)
6/5/16	10:58					unknown															SBHVO (Wood, unpub)
6/5/16	11:00					kl mer?					22.0		1.89				1.89	nomo			SBHVO (Wood, unpub)
6/5/16	11:01					kl mer?					24.0		2.23				2.23	nomo			SBHVO (Wood, unpub)
6/5/16	11:04					kl mer?					22.0		1.89				1.89	nomo			SBHVO (Wood, unpub)
6/5/16	11:05					kl mer?					23.0		3.81				3.81	nomo			SBHVO (Wood, unpub)
6/5/16	11:07					unknown															SBHVO (Wood, unpub)
6/5/16	11:08					kl mer?					22.5		1.91				1.91	nomo			SBHVO (Wood, unpub)
6/5/16	11:10					unknown															SBHVO (Wood, unpub)
6/5/16	11:11					kl mer?					23.0		1.92				1.92	nomo			SBHVO (Wood, unpub)
6/5/16	11:16					kl mer?					23.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
6/5/16	11:18					unknown															SBHVO (Wood, unpub)
6/5/16	11:19					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
6/5/16	11:22					kl mer?					22.5		2.55				2.55	nomo			SBHVO (Wood, unpub)
6/5/16	11:23					kl mer?					23.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
6/5/16	11:26					kl mer?					29.0		2.08				2.08	nomo			SBHVO (Wood, unpub)
6/5/16	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)
6/5/16	11:37					unknown															SBHVO (Wood, unpub)
6/5/16	11:41					unknown															SBHVO (Wood, unpub)
6/5/16	11:46					kl sf?					22.0		4.29				4.29	nomo			SBHVO (Wood, unpub)
6/5/16	11:50					kl mer?					21.0		1.86				1.86	nomo		here followed practically continuous vibration for upwards of an hour [tremor?]	SBHVO (Wood, unpub)
6/5/16	11:54					kl uer?					10.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	11:55					kl mer?					24.0		1.95				1.95	nomo			SBHVO (Wood, unpub)
6/5/16	11:56					kl mer?					21.5		2.82				2.82	nomo			SBHVO (Wood, unpub)
6/5/16	11:57					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/16	11:58					kl mer?					21.5		2.39				2.39	nomo			SBHVO (Wood, unpub)
6/5/16	12:00					kl mer?					24.0		2.90				2.90	nomo			SBHVO (Wood, unpub)
6/5/16	12:01					kl mer?					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
6/5/16	12:03					kl mer?					23.0		3.38				3.38	nomo			SBHVO (Wood, unpub)
6/5/16	12:04					kl mer?					23.0		3.68				3.68	nomo			SBHVO (Wood, unpub)
6/5/16	12:06					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	12:07					kl mer?					22.0		3.18				3.18	nomo			SBHVO (Wood, unpub)
6/5/16	12:09					unknown															SBHVO (Wood, unpub)
6/5/16	12:11					alenuihaha ??					127.0		3.75				3.75	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	12:13					kl sf?					22.5		4.23				4.23	nomo			SBHVO (Wood, unpub)
6/5/16	12:14					kl sf?					23.0		4.85				4.85	nomo			SBHVO (Wood, unpub)
6/5/16	12:16					kl sf?					26.0		4.08				4.08	nomo			SBHVO (Wood, unpub)
6/5/16	12:18					kl mer?					22.0		2.17				2.17	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	12:21					kl mer?					26.0		2.01				2.01	nomo			SBHVO (Wood, unpub)
6/5/16	12:22					kl mer?					23.0		2.87				2.87	nomo			SBHVO (Wood, unpub)
6/5/16	12:23					kl mer?					22.0		3.62				3.62	nomo			SBHVO (Wood, unpub)
6/5/16	12:26					kl mer?					22.0		3.03				3.03	nomo			SBHVO (Wood, unpub)
6/5/16	12:27					kl mer?					22.5		2.72				2.72	nomo			SBHVO (Wood, unpub)
6/5/16	12:28					kl mer?					22.5		3.26				3.26	nomo			SBHVO (Wood, unpub)
6/5/16	12:29					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	12:30					kl mer?					23.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
6/5/16	12:33					kl mer?					23.0		2.91				2.91	nomo			SBHVO (Wood, unpub)
6/5/16	12:35					kl mer?					22.5		2.42				2.42	poor		distance assumed	SBHVO (Wood, unpub)
6/5/16	12:36					kl mer?					22.0		3.75				3.75	nomo			SBHVO (Wood, unpub)
6/5/16	12:38					kl mer?					22.0		2.64				2.64	nomo			SBHVO (Wood, unpub)
6/5/16	12:40					kl mer?					14.0		1.58				1.58	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	12:43					kl cal 0-5??					6.0		1.40				1.40	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	12:46					kl mer?					27.0		2.44				2.44	nomo			SBHVO (Wood, unpub)
6/5/16	12:47					kl mer?					24.0		2.47				2.47	poor		distance calculated from Wood's catalog using the time difference between the s and p arrivals	SBHVO (Wood, unpub)
6/5/16	12:51					kl mer?					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
6/5/16	12:53					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	12:54					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	12:56					kl uer?					10.0		0.55				0.55	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	12:58					kl mer?					22.0		3.06				3.06	nomo			SBHVO (Wood, unpub)
6/5/16	12:58					kl mer?					23.0		3.34				3.34	nomo			SBHVO (Wood, unpub)
6/5/16	13:00					kl mer?					23.5		2.99				2.99	nomo			SBHVO (Wood, unpub)
6/5/16	13:01					kl mer?					23.0		2.33				2.33	nomo			SBHVO (Wood, unpub)
6/5/16	13:03					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	13:05					kl mer?					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
6/5/16	13:06					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/5/16	13:08					kl mer?					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/5/16	13:09					kl mer?					23.0		3.88				3.88	nomo			SBHVO (Wood, unpub)
6/5/16	13:11					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	13:15					kl sf?					23.0		4.62				4.62	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/16	13:16					kl mer?					21.0		3.45				3.45	nomo			SBHVO (Wood, unpub)
6/5/16	13:19					kl sf?					23.0		4.40				4.40	nomo			SBHVO (Wood, unpub)
6/5/16	13:22					kl mer?					25.0		1.79				1.79	nomo			SBHVO (Wood, unpub)
6/5/16	13:23					kl mer?					27.0		2.31				2.31	nomo			SBHVO (Wood, unpub)
6/5/16	13:25					unknown															SBHVO (Wood, unpub)
6/5/16	13:30					kl mer?					23.0		2.33				2.33	nomo			SBHVO (Wood, unpub)
6/5/16	13:32					ml mok??					35.0		2.49				2.49	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	13:33					kl uer?					10.0		1.62				1.62	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	13:34					kl mer?					26		2.01				2.01	nomo			SBHVO (Wood, unpub)
6/5/16	13:37					unknown															SBHVO (Wood, unpub)
6/5/16	13:38					unknown															SBHVO (Wood, unpub)
6/5/16	13:40					unknown															SBHVO (Wood, unpub)
6/5/16	13:42					kl mer?					24		2.23				2.23	nomo			SBHVO (Wood, unpub)
6/5/16	13:45					unknown															SBHVO (Wood, unpub)
6/5/16	13:47					kl mer?					27		3.36				3.36	nomo			SBHVO (Wood, unpub)
6/5/16	13:49					kl mer?					24		2.23				2.23	nomo			SBHVO (Wood, unpub)
6/5/16	13:52					kl mer?					23		2.33				2.33	nomo			SBHVO (Wood, unpub)
6/5/16	13:56					kl mer?					23		2.97				2.97	nomo			SBHVO (Wood, unpub)
6/5/16	13:59					kl mer?					23.5		2.58				2.58	nomo			SBHVO (Wood, unpub)
6/5/16	14:00					kl sf?					23		3.97				3.97	nomo			SBHVO (Wood, unpub)
6/5/16	14:08					unknown															SBHVO (Wood, unpub)
6/5/16	14:09					kl mer?					24.5		2.61				2.61	nomo			SBHVO (Wood, unpub)
6/5/16	14:10					kl mer?					24		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/5/16	14:12					unknown															SBHVO (Wood, unpub)
6/5/16	14:15					kl mer?					24		2.90				2.90	nomo			SBHVO (Wood, unpub)
6/5/16	14:18					kl mer?					24		2.90				2.90	nomo			SBHVO (Wood, unpub)
6/5/16	14:21					unknown															SBHVO (Wood, unpub)
6/5/16	14:22					unknown															SBHVO (Wood, unpub)
6/5/16	14:24					unknown															SBHVO (Wood, unpub)
6/5/16	14:28					unknown														an illegible shock	SBHVO (Wood, unpub)
6/5/16	14:28					kl mer?					23		2.74				2.74	nomo			SBHVO (Wood, unpub)
6/5/16	14:29					unknown															SBHVO (Wood, unpub)
6/5/16	14:31					kl mer?					24		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/5/16	14:32					kl mer?					25		2.73				2.73	nomo			SBHVO (Wood, unpub)
6/5/16	14:35					unknown															SBHVO (Wood, unpub)
6/5/16	14:38					ml mok??					35		2.32				2.32	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	14:40					unknown															SBHVO (Wood, unpub)
6/5/16	14:41					kl mer?					24.5		3.32				3.32	nomo			SBHVO (Wood, unpub)
6/5/16	14:43					unknown															SBHVO (Wood, unpub)
6/5/16	14:45					kl mer?					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
6/5/16	14:46					unknown															SBHVO (Wood, unpub)
6/5/16	14:48					kl mer?					24.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
6/5/16	14:50					ml wf??					60.0		2.86				2.86	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	14:51					kl mer?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/5/16	14:52					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/16	14:53					ml wf??					60.0		3.40				3.40	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	14:55					kl mer?					22.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
6/5/16	14:57					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
6/5/16	14:57					kl mer?					22.5		2.85				2.85	nomo			SBHVO (Wood, unpub)
6/5/16	14:59					kl mer?					23.0		2.20				2.20	nomo			SBHVO (Wood, unpub)
6/5/16	15:02					kl mer?					23.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
6/5/16	15:03					kl mer?					24.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
6/5/16	15:07					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
6/5/16	15:09					kl mer?					21.0		2.42				2.42	nomo			SBHVO (Wood, unpub)
6/5/16	15:11					unknown															SBHVO (Wood, unpub)
6/5/16	15:14					kl mer?					25.5		2.81				2.81	nomo			SBHVO (Wood, unpub)
6/5/16	15:15					kl mer?					22.0		1.89				1.89	nomo			SBHVO (Wood, unpub)
6/5/16	15:16					kl mer?					25.0		2.26				2.26	nomo			SBHVO (Wood, unpub)
6/5/16	15:18					unknown															SBHVO (Wood, unpub)
6/5/16	15:19					kl mer?					25.0		3.20				3.20	nomo			SBHVO (Wood, unpub)
6/5/16	15:20					kl mer?					27.0		2.44				2.44	nomo			SBHVO (Wood, unpub)
6/5/16	15:22					unknown															SBHVO (Wood, unpub)
6/5/16	15:25					unknown															SBHVO (Wood, unpub)
6/5/16	15:29					kl mer?					24.0		3.09				3.09	nomo			SBHVO (Wood, unpub)
6/5/16	15:31					kl mer?					24.0		3.30				3.30	nomo			SBHVO (Wood, unpub)
6/5/16	15:34					unknown															SBHVO (Wood, unpub)
6/5/16	15:36					kl mer?					26.0		2.20				2.20	nomo			SBHVO (Wood, unpub)
6/5/16	15:37					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	15:38					kl mer?					23.5		1.94				1.94	nomo			SBHVO (Wood, unpub)
6/5/16	15:40					kl mer?					26.5		2.43				2.43	nomo			SBHVO (Wood, unpub)
6/5/16	15:41					kl mer?					24.0		2.51				2.51	nomo			SBHVO (Wood, unpub)
6/5/16	15:44					kl mer?					23.0		2.33				2.33	nomo			SBHVO (Wood, unpub)
6/5/16	15:45					kl mer?					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/5/16	15:48					kl mer?					25.0		2.79				2.79	nomo			SBHVO (Wood, unpub)
6/5/16	15:49					unknown															SBHVO (Wood, unpub)
6/5/16	15:50					kohala??					89.0		3.51				3.51	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	15:55					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/5/16	15:55					kl mer?					24.0		3.17				3.17	nomo			SBHVO (Wood, unpub)
6/5/16	15:56					kl mer?					26.0		2.28				2.28	nomo			SBHVO (Wood, unpub)
6/5/16	15:58					unknown															SBHVO (Wood, unpub)
6/5/16	15:59					kl mer?					24.5		3.47				3.47	nomo			SBHVO (Wood, unpub)
6/5/16	16:05					unknown														Here followed continuous vibration for several minutes	SBHVO (Wood, unpub)
6/5/16	16:08					kl mer?					24.0		2.90				2.90	poor		distance assumed	SBHVO (Wood, unpub)
6/5/16	16:13					kl mer?					24.0		3.50				3.50	nomo			SBHVO (Wood, unpub)
6/5/16	16:15					kl mer?					22.0		3.52				3.52	nomo			SBHVO (Wood, unpub)
6/5/16	16:18					kl mer?					21.5		2.59				2.59	nomo			SBHVO (Wood, unpub)
6/5/16	16:19					kl mer?					21.0		2.91				2.91	nomo			SBHVO (Wood, unpub)
6/5/16	16:22					kl mer?					24.0		2.90				2.90	nomo			SBHVO (Wood, unpub)
6/5/16	16:24					kl mer?					23.5		2.34				2.34	nomo			SBHVO (Wood, unpub)
6/5/16	16:27					kl mer?					24.5		2.78				2.78	nomo			SBHVO (Wood, unpub)
6/5/16	16:31					kl mer?					28.0		2.47				2.47	nomo			SBHVO (Wood, unpub)
6/5/16	16:36					kl mer?					28.0		2.47				2.47	nomo			SBHVO (Wood, unpub)
6/5/16	16:37					kl mer?					24.0		3.91				3.91	nomo		about this time the interval of continuous vibration ceased	SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/16	16:46					kl mer?					24.5		2.78				2.78	nomo			SBHVO (Wood, unpub)
6/5/16	16:50					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/5/16	16:51					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/5/16	16:53					unknown															SBHVO (Wood, unpub)
6/5/16	16:56					kl mer?					24.0		2.90				2.90	nomo			SBHVO (Wood, unpub)
6/5/16	16:58					kl mer?					24.5		2.91				2.91	nomo			SBHVO (Wood, unpub)
6/5/16	17:00					unknown															SBHVO (Wood, unpub)
6/5/16	17:01					kl mer?					25.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
6/5/16	17:02					kl mer?					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/5/16	17:07					kl mer?					27.0		2.03				2.03	nomo			SBHVO (Wood, unpub)
6/5/16	17:10					kl mer?					27.0		2.31				2.31	nomo		here followed continuous vibrations for several minutes	SBHVO (Wood, unpub)
6/5/16	17:12					kl mer?					27.0										SBHVO (Wood, unpub)
6/5/16	17:12					ml swr??					56.0		2.54				2.54	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	17:14					unknown															SBHVO (Wood, unpub)
6/5/16	17:14					kl mer?					24.5		3.32				3.32	nomo			SBHVO (Wood, unpub)
6/5/16	17:24					hualalai??					85.0		3.24				3.24	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	17:26					kl mer?					27.0		2.14				2.14	nomo			SBHVO (Wood, unpub)
6/5/16	17:30					kl mer?					23.0		2.74				2.74	nomo		the interval of continuous vibration ended at about 17:45	SBHVO (Wood, unpub)
6/5/16	17:54					kl mer?					26.0		2.41				2.41	nomo			SBHVO (Wood, unpub)
6/5/16	18:04					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
6/5/16	18:10					unknown															SBHVO (Wood, unpub)
6/5/16	18:20					unknown															SBHVO (Wood, unpub)
6/5/16	18:25					unknown															SBHVO (Wood, unpub)
6/5/16	18:27					kl mer?					23.5		3.34				3.34	nomo			SBHVO (Wood, unpub)
6/5/16	18:29					kl mer?					26.0		2.28				2.28	nomo			SBHVO (Wood, unpub)
6/5/16	18:35					unknown															SBHVO (Wood, unpub)
6/5/16	18:45					unknown															SBHVO (Wood, unpub)
6/5/16	18:47					unknown															SBHVO (Wood, unpub)
6/5/16	18:50					unknown															SBHVO (Wood, unpub)
6/5/16	18:52					kl mer?					23.0		3.14				3.14	nomo			SBHVO (Wood, unpub)
6/5/16	19:14					kl mer?					26.0		2.41				2.41	nomo			SBHVO (Wood, unpub)
6/5/16	19:16					unknown															SBHVO (Wood, unpub)
6/5/16	19:22					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/5/16	19:27					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/5/16	19:34					kl mer?					23.0		2.20				2.20	nomo			SBHVO (Wood, unpub)
6/5/16	19:40					kl mer?					25.5		2.40				2.40	nomo			SBHVO (Wood, unpub)
6/5/16	19:50					kl mer?					24.5		2.37				2.37	nomo			SBHVO (Wood, unpub)
6/5/16	19:54					kl cal deep?					31		2.13				2.13	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/16	19:57					unknown															SBHVO (Wood, unpub)
6/5/16	20:03					kl sf?					23		4.22				4.22	nomo			SBHVO (Wood, unpub)
6/5/16	20:08					kl mer?					21.5		2.93				2.93	nomo			SBHVO (Wood, unpub)
6/5/16	20:10					kl mer?					24.0		3.61				3.61	nomo			SBHVO (Wood, unpub)
6/5/16	20:14					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
6/5/16	20:19					kl mer?					25.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
6/5/16	20:42					unknown															SBHVO (Wood, unpub)
6/5/16	20:52					kl mer?					21.0		2.61				2.61	nomo			SBHVO (Wood, unpub)
6/5/16	20:54					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/5/16	20:57					kl mer?					24.0		3.09				3.09	nomo			SBHVO (Wood, unpub)
6/5/16	21:17					kl mer?					26.0		2.88				2.88	nomo			SBHVO (Wood, unpub)
6/5/16	21:26					kl mer?					28.0		3.00				3.00	nomo			SBHVO (Wood, unpub)
6/5/16	21:57					kl mer?					27.0		2.03				2.03	nomo			SBHVO (Wood, unpub)
6/5/16	22:36					kl mer?					24.5		3.32				3.32	nomo			SBHVO (Wood, unpub)
6/5/16	23:14					unknown															SBHVO (Wood, unpub)
6/5/16	23:15					unknown															SBHVO (Wood, unpub)
6/5/16	23:16					kl mer?					28.0		2.33				2.33	nomo			SBHVO (Wood, unpub)
6/5/16	23:18					kl mer?					25.0		3.66				3.66	nomo			SBHVO (Wood, unpub)
6/5/16	23:29					kl cal deep?					31.0		2.13				2.13	poor		Warshauer notes: Many earthquakes are being recorded at the Volcano Observatory [on June 5]. H.O. Wood, Prof. Jaggar's associate observer, describes them as "a flock."	distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival; SBHVO (Wood, unpub); HSB, 6/5/1916
6/6/16	0:04					unknown															SBHVO (Wood, unpub)
6/6/16	0:20					kl mer?					25.0		2.62				2.62	nomo			SBHVO (Wood, unpub)
6/6/16	0:55					unknown															SBHVO (Wood, unpub)
6/6/16	1:09					unknown															SBHVO (Wood, unpub)
6/6/16	1:11					unknown															SBHVO (Wood, unpub)
6/6/16	1:11					unknown															SBHVO (Wood, unpub)
6/6/16	1:12					kl mer?					23.0		1.92				1.92	nomo			SBHVO (Wood, unpub)
6/6/16	1:21					kl mer?					26.0		2.01				2.01	nomo			SBHVO (Wood, unpub)
6/6/16	1:44					unknown															SBHVO (Wood, unpub)
6/6/16	2:01					unknown															SBHVO (Wood, unpub)
6/6/16	2:03					unknown															SBHVO (Wood, unpub)
6/6/16	2:08					kl mer?					23.5		2.34				2.34	nomo			SBHVO (Wood, unpub)
6/6/16	2:12					unknown															SBHVO (Wood, unpub)
6/6/16	2:14					unknown															SBHVO (Wood, unpub)
6/6/16	2:32					kl mer?					25.0		3.07				3.07	nomo			SBHVO (Wood, unpub)
6/6/16	2:40					kl mer?					23.5		2.75				2.75	nomo			SBHVO (Wood, unpub)
6/6/16	2:47					unknown															SBHVO (Wood, unpub)
6/6/16	3:07					unknown															SBHVO (Wood, unpub)
6/6/16	3:11					kl mer?					27.0		2.92				2.92	nomo			SBHVO (Wood, unpub)
6/6/16	3:13					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/6/16	3:24					kl mer?					25.0		3.15				3.15	nomo			SBHVO (Wood, unpub)
6/6/16	3:28					kl mer?					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/6/16	3:31					kl mer?					24.0		3.54				3.54	nomo			SBHVO (Wood, unpub)
6/6/16	3:37					unknown															SBHVO (Wood, unpub)
6/6/16	3:55					unknown															SBHVO (Wood, unpub)
6/6/16	4:21					unknown															SBHVO (Wood, unpub)
6/6/16	4:48					unknown															SBHVO (Wood, unpub)
6/6/16	4:53					unknown															SBHVO (Wood, unpub)
6/6/16	4:54					kl mer?					23.5		2.34				2.34	nomo			SBHVO (Wood, unpub)
6/6/16	5:01					kl mer?					26.0		2.01				2.01	nomo			SBHVO (Wood, unpub)
6/6/16	5:07					unknown															SBHVO (Wood, unpub)
6/6/16	5:26					unknown															SBHVO (Wood, unpub)
6/6/16	5:35					unknown															SBHVO (Wood, unpub)
6/6/16	5:42					kl mer?					31.0		2.41				2.41	nomo			SBHVO (Wood, unpub)
6/6/16	5:57					kl mer?					25.0		2.39				2.39	nomo			SBHVO (Wood, unpub)
6/6/16	6:24					unknown															SBHVO (Wood, unpub)
6/6/16	6:34					kl mer?					26.0		2.41				2.41	nomo			SBHVO (Wood, unpub)
6/6/16	7:34					unknown															SBHVO (Wood, unpub)
6/6/16	7:54					unknown															SBHVO (Wood, unpub)
6/6/16	8:06					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
6/6/16	8:16					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/6/16	8:36					kl mer?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/6/16	8:38					unknown															SBHVO (Wood, unpub)
6/6/16	8:54					unknown															SBHVO (Wood, unpub)
6/6/16	9:17					unknown															SBHVO (Wood, unpub)
6/6/16	9:43					kl cal deep?					31.0		2.13				2.13	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	9:56					unknown															SBHVO (Wood, unpub)
6/6/16	10:04					unknown															SBHVO (Wood, unpub)
6/6/16	10:26					unknown															SBHVO (Wood, unpub)
6/6/16	10:28					kl sf?					22.0		4.73				4.73	nomo			SBHVO (Wood, unpub)
6/6/16	10:54					kl mer?															SBHVO (Wood, unpub)
6/6/16	11:22					hilea??					43.0		2.36				2.36	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	12:32					kl mer?					22.0		2.00				2.00	nomo			SBHVO (Wood, unpub)
6/6/16	13:02					molokai?					150.0		4.28				4.28	nomo		near shock	SBHVO (Wood, unpub)
6/6/16	13:19					kl mer?					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
6/6/16	14:03					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/6/16	14:44					kl mer?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/6/16	15:03					kl mer?					24.0		3.30				3.30	nomo			SBHVO (Wood, unpub)
6/6/16	15:27					kl mer?					24.0		2.36				2.36	nomo			SBHVO (Wood, unpub)
6/6/16	16:10					unknown															SBHVO (Wood, unpub)
6/6/16	16:56					unknown															SBHVO (Wood, unpub)
6/6/16	17:27					hilea??					47.0		2.42				2.42	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	17:31					kl mer?					14.0		1.58				1.58	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	17:32					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
6/6/16	18:43					kl mer?					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
6/6/16	18:57					ml mok??					35.0		2.21				2.21	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	18:59					kl mer?					25.0		2.73				2.73	nomo			SBHVO (Wood, unpub)
6/6/16	19:26					molokai?					200.0		4.24				4.24	nomo		near shock	SBHVO (Wood, unpub)
6/6/16	19:28					kl mer?					24.0		3.24				3.24	nomo			SBHVO (Wood, unpub)
6/6/16	19:34					unknown															SBHVO (Wood, unpub)
6/6/16	19:35					kl mer?					24.0		2.82				2.82	nomo			SBHVO (Wood, unpub)
6/6/16	19:44					unknown															SBHVO (Wood, unpub)
6/6/16	20:00					kl mer?					18.0		1.86				1.86	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	20:34					unknown															SBHVO (Wood, unpub)
6/6/16	20:57					kl mer?					23.5		2.99				2.99	nomo			SBHVO (Wood, unpub)
6/6/16	20:59					unknown															SBHVO (Wood, unpub)
6/6/16	21:06					unknown															SBHVO (Wood, unpub)
6/6/16	21:10					unknown															SBHVO (Wood, unpub)
6/6/16	21:14					unknown															SBHVO (Wood, unpub)
6/6/16	21:37					kl mer?					24.0		3.17				3.17	nomo			SBHVO (Wood, unpub)
6/6/16	21:57					unknown															SBHVO (Wood, unpub)
6/6/16	22:19					kl mer?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/6/16	22:24					unknown															SBHVO (Wood, unpub)
6/6/16	22:25					kl mer?					25.0		2.92				2.92	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/6/16	22:32					kl uer?					10.0		1.99				1.99	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	22:38					kohala??					106.0		3.39				3.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/6/16	22:42					unknown															SBHVO (Wood, unpub)
6/6/16	22:47					kl mer?					24.0		3.68				3.68	nomo			SBHVO (Wood, unpub)
6/6/16	23:17					unknown															SBHVO (Wood, unpub)
6/6/16	23:33					kl mer?					21.0		1.86				1.86	nomo		Warshauer notes: lava lake sunk 650 feet by evening of June 5, then rose to 500 feet and remained there for several hours; dropped again on June 6 to depth of 1000 feet, greatest subsidence in recent years	SBHVO (Wood, unpub); PCA, 6/6; 7/1916; HSB, 6/6/1916; HH, 6/9/1916
6/7/16	0:25					unknown															SBHVO (Wood, unpub)
6/7/16	0:45					kl mer?					24.0		2.51				2.51	nomo			SBHVO (Wood, unpub)
6/7/16	1:14					kl cal deep?					31.0		1.94				1.94	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/7/16	1:34					ml mok??					35.0		1.83				1.83	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/7/16	2:01					kl mer?					25.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
6/7/16	2:03					unknown															SBHVO (Wood, unpub)
6/7/16	2:08					kl mer?					24.5		2.16				2.16	nomo			SBHVO (Wood, unpub)
6/7/16	2:11					unknown															SBHVO (Wood, unpub)
6/7/16	2:11					kl mer?					24.0		3.58				3.58	nomo			SBHVO (Wood, unpub)
6/7/16	2:19					unknown															SBHVO (Wood, unpub)
6/7/16	3:54					kl mer?					26.0		3.70				3.70	nomo			SBHVO (Wood, unpub)
6/7/16	5:41					unknown															SBHVO (Wood, unpub)
6/7/16	6:12					unknown															SBHVO (Wood, unpub)
6/7/16	6:17					maui?					105.0		3.73				3.73	nomo			SBHVO (Wood, unpub)
6/7/16	6:33					unknown															SBHVO (Wood, unpub)
6/7/16	6:36					kl mer?					27.0		1.65				1.65	nomo			SBHVO (Wood, unpub)
6/7/16	6:38					kl mer?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
6/7/16	6:39					kl mer?					27.0		1.65				1.65	nomo			SBHVO (Wood, unpub)
6/7/16	7:36					unknown															SBHVO (Wood, unpub)
6/7/16	8:44					kl mer?					26.0										SBHVO (Wood, unpub)
6/7/16	9:20					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
6/7/16	11:11					unknown															SBHVO (Wood, unpub)
6/7/16	11:13					unknown															SBHVO (Wood, unpub)
6/7/16	11:43					unknown															SBHVO (Wood, unpub)
6/7/16	11:59					kl mer?					14.0		1.85				1.85	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/7/16	13:09					unknown															SBHVO (Wood, unpub)
6/7/16	13:12					kl mer?					26.0		2.01				2.01	nomo			SBHVO (Wood, unpub)
6/7/16	13:39					unknown															SBHVO (Wood, unpub)
6/7/16	13:44					kl mer?					22.5		2.59				2.59	nomo			SBHVO (Wood, unpub)
6/7/16	14:18					kl mer?					24.0		2.90				2.90	nomo			SBHVO (Wood, unpub)
6/7/16	14:34					kl sf?					23.0		4.59				4.59	nomo			SBHVO (Wood, unpub)
6/7/16	14:39					kl mer?					24.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
6/7/16	15:05					kl mer?					23.0		3.68				3.68	nomo			SBHVO (Wood, unpub)
6/7/16	15:08					unknown															SBHVO (Wood, unpub)
6/7/16	15:11					kl mer?					24.0		3.24				3.24	nomo			SBHVO (Wood, unpub)
6/7/16	15:16					unknown															SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/7/16	15:27					unknown															SBHVO (Wood, unpub)
6/7/16	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)
6/7/16	17:46					unknown															SBHVO (Wood, unpub)
6/7/16	18:23					kl mer?					21.5		1.88				1.88	nomo			SBHVO (Wood, unpub)
6/7/16	21:33					ml mok??					35.0		2.21				2.21	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/7/16	21:41					unknown															SBHVO (Wood, unpub)
6/7/16	22:02					unknown															SBHVO (Wood, unpub)
6/7/16	22:13					unknown															SBHVO (Wood, unpub)
6/7/16	22:16					unknown															SBHVO (Wood, unpub)
6/7/16	22:41					hilea					46.0		3.35				3.35	nomo			SBHVO (Wood, unpub)
6/7/16	23:30					unknown															SBHVO (Wood, unpub)
6/7/16	23:41					kl mer?					24.0		1.95				1.95	nomo			SBHVO (Wood, unpub)
6/8/16	0:17					kl mer?					22.0		1.89				1.89	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/8/16	1:05					kl mer?					24.0		1.95				1.95	nomo			SBHVO (Wood, unpub)
6/8/16	2:48					unknown															SBHVO (Wood, unpub)
6/8/16	3:46					unknown															SBHVO (Wood, unpub)
6/8/16	10:50					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
6/8/16	11:44					unknown															SBHVO (Wood, unpub)
6/8/16	12:52					unknown															SBHVO (Wood, unpub)
6/8/16	14:01					unknown															SBHVO (Wood, unpub)
6/8/16	14:57					unknown															SBHVO (Wood, unpub)
6/8/16	15:17					unknown															SBHVO (Wood, unpub)
6/8/16	15:53					kl mer?					25.0		2.79				2.79	nomo			SBHVO (Wood, unpub)
6/8/16	18:08					unknown															SBHVO (Wood, unpub)
6/8/16	19:12					kl mer?					14.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/8/16	19:57					kl mer?					26.0		2.01				2.01	nomo			SBHVO (Wood, unpub)
6/8/16	21:12					kl mer?					26.0		3.06				3.06	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/9/16	0:10					unknown															SBHVO (Wood, unpub)
6/9/16	1:09					kl mer?					27.0		1.65				1.65	nomo			SBHVO (Wood, unpub)
6/9/16	1:22					unknown															SBHVO (Wood, unpub)
6/9/16	1:22					kl uer?					10.0		1.62				1.62	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/9/16	1:23					kl sf?					11.0		2.22				2.22	nomo			SBHVO (Wood, unpub)
6/9/16	1:52					unknown															SBHVO (Wood, unpub)
6/9/16	3:33					unknown															SBHVO (Wood, unpub)
6/9/16	7:08					kl mer?					23.5		1.94				1.94	nomo			SBHVO (Wood, unpub)
6/9/16	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
6/9/16	11:11					unknown															SBHVO (Wood, unpub)
6/9/16	11:36					kl mer?					24.0		1.57				1.57	nomo			SBHVO (Wood, unpub)
6/9/16	12:05					unknown															SBHVO (Wood, unpub)
6/9/16	13:31					kl mer?					25.0		1.60				1.60	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/9/16	13:40					unknown															SBHVO (Wood, unpub)
6/9/16	19:15					kl uer?					10.0		1.86				1.86	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/10/16	6:18					kl cal deep?					32.0		1.77				1.77	nomo			SBHVO (Wood, unpub)
6/10/16	6:25					kohala?					120.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
6/10/16	8:02					unknown															SBHVO (Wood, unpub)
6/10/16	12:05					unknown															SBHVO (Wood, unpub)
6/10/16	14:24					unknown															SBHVO (Wood, unpub)
6/10/16	14:31					unknown															SBHVO (Wood, unpub)
6/10/16	15:34					unknown															SBHVO (Wood, unpub)
6/10/16	16:00					kl mer?					26.0		1.81				1.81	nomo			SBHVO (Wood, unpub)
6/10/16	16:38					kl mer?					23.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
6/10/16	17:08					unknown															SBHVO (Wood, unpub)
6/10/16	20:35					unknown															SBHVO (Wood, unpub)
6/10/16	21:53					kl mer?					26.0		2.65				2.65	nomo			SBHVO (Wood, unpub)
6/10/16	22:17					unknown															SBHVO (Wood, unpub)
6/11/16	0:08					unknown															SBHVO (Wood, unpub)
6/11/16	0:10					kl mer?					23.5		3.08				3.08	nomo			SBHVO (Wood, unpub)
6/11/16	1:04					kl mer?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/11/16	12:53					kl mer?					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
6/11/16	17:47					kl mer?					23.5		2.34				2.34	nomo			SBHVO (Wood, unpub)
6/12/16	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
6/12/16	6:45					kl sf?						off scale		do			do	do	do	slow, gentle rocking motion, stronger in Hilo, stopped HVO clock pendulum; not as strong as 10/25/13; three maxima in total duration of 5 sec; large quake; pens flung off at once [Wood time of 16:57 GMT appears to be off]	ESPHVO v. 2, p. 469; SBHVO (Wood, unpub)
6/12/16	20:51					kl sf?					27.0		2.03				2.03	nomo			SBHVO (Wood, unpub)
6/13/16	2:38					kl sf?					24.5		2.37				2.37	nomo			SBHVO (Wood, unpub)
6/13/16	7:44					kl sf?					23.0		2.97				2.97	nomo		After this time the number and character of the weak local shocks returned to normal, thus bringing to an end the seismic spasm which accompanied the drainage of Kilauea	SBHVO (Wood, unpub)
6/13/16	23:59																			eqs diminishes, returning to normal levels by June 13	ESPHVO, v. 2, p. 469
6/15/16	17:50					kl sf?					23.5		3.23				3.23	nomo			SBHVO (Wood, unpub)
6/17/16	2:17					unknown															SBHVO (Wood, unpub)
6/17/16	4:29					unknown															SBHVO (Wood, unpub)
6/17/16	5:15					kl sf?					25.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
6/17/16	18:51					unknown															SBHVO (Wood, unpub)
6/17/16	23:46					kl sf?					24.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
6/18/16	2:06					kl sf?					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/22/16	15:47					kl cal deep					32.0		3.48				3.48	nomo			SBHVO (Wood, unpub)
6/23/16	13:01					kl uer?					10.0		1.99				1.99	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/23/16	14:12					kl sf?					21.0		3.36				3.36	nomo			SBHVO (Wood, unpub)
6/24/16	1:00					unknown													felt	felt at HVO	ESPHVO, v. 2, p. 479; not listed in Wood (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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/24/16	8:01					kl sf?					21.0		4.30				4.30	nomo	felt	felt at HVO	ESPHVO, v. 2, p. 479; SBHVO (Wood, unpub)
6/24/16	22:18					unknown															SBHVO (Wood, unpub)
6/25/16	14:58					unknown															SBHVO (Wood, unpub)
6/25/16	15:30					hilea?					40.0		2.58				2.58	nomo			SBHVO (Wood, unpub)
7/2/16																				No seismic registration from 6/29 to 7/2/1916	SBHVO (Wood, unpub)
7/3/16	14:55					unknown															SBHVO (Wood, unpub)
7/3/16	19:42					hilea?					42.0		3.15				3.15	nomo			SBHVO (Wood, unpub)
7/4/16	1:34					unknown															SBHVO (Wood, unpub)
7/4/16	10:07					a2025					21.5		2.52				2.52	nomo			SBHVO (Wood, unpub)
7/5/16	2:50					kl cal deep?					32.0										SBHVO (Wood, unpub)
7/5/16	4:01					unknown															SBHVO (Wood, unpub)
7/5/16	8:48					a2025					25.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
7/8/16	8:42					a2025					21.0		3.70				3.70	nomo			SBHVO (Wood, unpub)
7/10/16	2:42					unknown															SBHVO (Wood, unpub)
7/10/16	6:42					hilea?					47.0		2.62				2.62	nomo			SBHVO (Wood, unpub)
7/11/16	21:40					kl sf?					42.0		3.39				3.39	nomo	felt	felt feebly locally, late evening of July 11	ESPHVO, v. 2, p. 482; SBHVO (Wood, unpub
7/11/16	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]
7/12/16	20:50					kl cal 05-10?					6.0		1.63				1.63	nomo		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
7/13/16	17:16					kohala?					110.0		3.95				3.95	nomo		out of order; Date given as 7/13 (GMT); change to 7/14	SBHVO (Wood, unpub)
7/13/16	18:42					ml wf?					58.0		2.97				2.97	nomo			SBHVO (Wood, unpub)
7/15/16	12:48					hilea?					47.0		2.83				2.83	nomo			SBHVO (Wood, unpub)
7/16/16	11:52					kl uer?					10.0		1.99				1.99	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
7/16/16	12:16					unknown															SBHVO (Wood, unpub)
7/19/16	10:19					a2025					25.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
7/21/16	2:43					unknown															SBHVO (Wood, unpub)
7/21/16	2:45					a2025					23.0		3.68				3.68	nomo			SBHVO (Wood, unpub)
7/21/16	8:00					a2025					24.0		4.35				4.35	nomo			SBHVO (Wood, unpub)
7/23/16	13:08					a2025					23.5		2.75				2.75	nomo			SBHVO (Wood, unpub)
7/24/16	20:41					a1320					14.0		2.09				2.09	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
7/25/16	11:07					kl cal deep?					31.5		2.14				2.14	nomo			SBHVO (Wood, unpub)
7/25/16	11:55					unknown															SBHVO (Wood, unpub)
7/25/16	12:52					a2025					22.5		2.55				2.55	nomo			SBHVO (Wood, unpub)
7/27/16	11:00					a2025					21.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
7/31/16	9:44					a2025					23.5		2.58				2.58	nomo			SBHVO (Wood, unpub)
8/4/16	19:20					a2025					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
8/5/16	5:10					a2025					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
8/9/16	3:54					a2530					27.0		2.44				2.44	nomo			SBHVO (Wood, unpub)
8/17/16	10:41					a2025					22.0		2.54				2.54	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
8/26/16	6:29					kohala?					110.0		3.29				3.29	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
8/26/16	6:58					unknown															SBHVO (Wood, unpub)
8/26/16	20:59					a2025					23.0		2.74				2.74	nomo			SBHVO (Wood, unpub)
8/27/16	15:31					a2025					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
8/27/16	23:24					a2530					28.0		2.57				2.57	nomo			SBHVO (Wood, unpub)
8/29/16	18:13					a2025					22.0		2.64				2.64	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/1/16	18:15					unknown															SBHVO (Wood, unpub)
9/1/16	20:59					a1320					14.0		2.14				2.14	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/4/16	10:50					kaoiki?					21.0		4.02				4.02	nomo			SBHVO (Wood, unpub)
9/7/16	12:54					a2530					27.0		2.03				2.03	nomo			SBHVO (Wood, unpub)
9/7/16	15:01					a2025					25.0		1.98				1.98	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/7/16	16:59					kaoiki?					25.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
9/8/16	21:10					kl uer?					10.0		2.97				2.97	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
9/11/16						unknown														Three doubtful wave groups, probably the chief phases of weak local earthquakes of slightly more distant origin than usual	SBHVO (Wood, unpub)
9/13/16	3:00					unknown														very smart shock [not mentioned in ESPHVO]	SBHVO (Wood, unpub)
9/20/16	7:15					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
9/22/16	20:52					a2025					25.0		2.62				2.62	nomo			SBHVO (Wood, unpub)
9/25/16	15:25					unknown															SBHVO (Wood, unpub)
9/25/16	19:06					unknown															SBHVO (Wood, unpub)
9/26/16	13:27					a2025					22.5		2.10				2.10	nomo			SBHVO (Wood, unpub)
9/26/16	14:44					a2530					26.0		3.15				3.15	nomo			SBHVO (Wood, unpub)
9/26/16	21:57					hilea?					48.0		3.25				3.25	nomo			SBHVO (Wood, unpub)
9/28/16	11:46					ml mok?					34.0		4.51				4.51	nomo			SBHVO (Wood, unpub)
9/29/16	0:32					kl cal deep?					32.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
10/3/16	8:18					a2025					25.0		1.98				1.98	nomo			SBHVO (Wood, unpub)
10/3/16	9:32					a2530					28.0		3.35				3.35	nomo			SBHVO (Wood, unpub)
10/5/16	11:37					a2025					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
10/5/16	12:20					hilea?					46.0		3.99				3.99	nomo			SBHVO (Wood, unpub)
10/6/16	23:59					unknown														12 shocks during week ending 10/6/1916, 4 of instrumental significance	ESPHVO, v. 2, p. 514
10/8/16	7:31					hilea?					50.0		2.87				2.87	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
10/8/16	11:30					unknown													felt	generally felt in south Hawaii	not found in Honolulu Station Bulletin (Hazard, 1918); looked for, not seen on Hon film record; ESPHVO, v. 2, p. 519; not mentioned in SBHVO (Wood, unpub) unless date is wrong; not found in PCA, HSB, HT or HH
10/9/16	0:00					a2025					20.0		3.53				3.53	nomo		early morning hours (HST)	SBHVO (Wood, unpub)
10/11/16	10:39					a2025					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
10/13/16	23:59					a2025													felt	5 shocks during week ending 10/13/1916, one felt	ESPHVO, v. 2, p. 519

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/18/16	0:46					a2025					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
10/18/16	1:04					a2025					23.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
10/18/16	17:35					a2530					28.5		2.35				2.35	nomo			SBHVO (Wood, unpub)
10/18/16	18:24					unknown															SBHVO (Wood, unpub)
10/23/16	16:33					a2025					22.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
10/26/16	7:08					a3035					34.0		3.28				3.28	nomo			SBHVO (Wood, unpub)
10/30/16	10:17					a2025					23.0		2.20				2.20	nomo			SBHVO (Wood, unpub)
11/2/16	12:00					unknown														small local shock; illegible record, date and time both uncertain	time assumed; SBHVO (Wood, unpub)
11/3/16	12:00					unknown														small local shock; illegible record, date and time both uncertain	time assumed; SBHVO (Wood, unpub)
11/3/16	23:59					unknown														2 shocks during week ending 11/3/1916; weekly bulletin out of place; published between weeks ending November 17 and 24	ESPHVO, v. 2, p. 533
11/10/16	5:20					a3035					32.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
11/11/16	12:20					ml wf?					64.0		3.15				3.15	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
11/11/16	17:34					a2025					24.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
11/11/16	18:15					hilea?					45.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
11/12/16	6:22					a2025					23.5		4.18				4.18	nomo			SBHVO (Wood, unpub)
11/12/16	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
11/12/16	19:36					a2025					25.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
11/13/16	16:23					a1320					14.0		2.39				2.39	poor		seven shocks during the week ending November 17; distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	ESPHVO, v. 2, p. 529; SBHVO (Wood, unpub)
11/29/16	16:01					a3035					32.0		2.90				2.90	nomo			SBHVO (Wood, unpub)
11/30/16	5:04					a3035					32.0		2.15				2.15	nomo			SBHVO (Wood, unpub)
12/5/16	12:45					hilea?					36.0		2.64				2.64	nomo			SBHVO (Wood, unpub)
12/5/16	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
12/6/16	23:45					a2025					22.0		3.52				3.52	nomo	III	rattled windows at HVO; not perceived	ESPHVO, v. 2, p. 539; SBHVO (Wood, unpub)
12/7/16	6:37					kl cal 05-10?					6.0		2.49				2.49	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
12/13/16	5:41					unknown															SBHVO (Wood, unpub)
12/20/16	6:53					a2025					21.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
12/21/16	0:50					ml swr?					53.0		3.15				3.15	nomo			SBHVO (Wood, unpub)
12/21/16	14:25					kl uer?					10.0		1.86				1.86	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
12/26/16	4:44					a2025					21.0		2.61				2.61	nomo			SBHVO (Wood, unpub)
1/2/17	11:57					a2025					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
1/2/17	14:54					a2025					22.0		3.59				3.59	nomo			SBHVO (Wood, unpub)
1/6/17	12:09					a2025					22.0		2.54				2.54	nomo			SBHVO (Wood, unpub)
1/10/17	15:38					kl uer?					10.0		2.56				2.56	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
1/11/17	1:03					kl uer?					10.0		1.90				1.90	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
1/13/17	20:25					a3035					31.0		1.83				1.83	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
1/15/17	23:39					a2025					22.0		2.70				2.70	nomo			SBHVO (Wood, unpub)
1/19/17	7:58					hilea?					48.0		3.25				3.25	nomo			SBHVO (Wood, unpub)
1/21/17	10:35					a2025					22.0		1.89				1.89	nomo			SBHVO (Wood, unpub)
1/21/17	21:31					a2025					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
1/26/17	9:42					a2025					22.0		2.94				2.94	nomo			SBHVO (Wood, unpub)
1/31/17	18:04					a3035					34.0		4.03				4.03	nomo			SBHVO (Wood, unpub)
2/4/17	20:08					kl uer??					10.0		3.44				3.44	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
2/5/17	15:05					a2025					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
2/5/17	18:10					a2025					21.0		3.42				3.42	nomo			SBHVO (Wood, unpub)
2/7/17	18:28					a3035					34.0		3.14				3.14	nomo			SBHVO (Wood, unpub)
2/7/17	21:44					a3035					34.0		2.60				2.60	nomo			SBHVO (Wood, unpub)
2/8/17	16:00					unknown															SBHVO (Wood, unpub)
2/11/17	15:04					a1320					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
2/11/17	16:47					hilea?					41.0		3.83				3.83	nomo			SBHVO (Wood, unpub)
2/11/17	23:36					hilea?					43.0		3.90				3.90	nomo			SBHVO (Wood, unpub)
2/18/17	2:48					a3035					33.0		2.82				2.82	nomo			SBHVO (Wood, unpub)
2/18/17	2:49					a1320					14.0		2.22				2.22	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
2/20/17	23:12					hualalai?					82.0		3.52				3.52	nomo			SBHVO (Wood, unpub)
2/20/17	23:54					unknown															SBHVO (Wood, unpub)
2/21/17	19:22					kl cal 05-10?					6.0		1.67				1.67	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
2/24/17	23:02					unknown															SBHVO (Wood, unpub)
2/24/17	23:02					a2025					22.0		2.40				2.40	nomo			SBHVO (Wood, unpub)
2/25/17	3:06					a2025					23.0		3.14				3.14	nomo			SBHVO (Wood, unpub)
3/10/17	23:46					a2025					22.0		4.46				4.46	nomo	felt	felt locally, quite sharply	SBHVO (Wood, unpub); not found in HH or HT
3/11/17	16:30					a1320					14.0		2.09				2.09	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
3/11/17	17:51					kl uer??					10.0		1.90				1.90	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
3/12/17	4:44					kl cal 05-10?					11.0		2.05				2.05	nomo			SBHVO (Wood, unpub)
3/12/17	7:35					kl cal 05-10?					10.0		1.86				1.86	poor		out of order; time given as 7:35 (assume HST rather than GMT); distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
3/12/17	10:04					kl cal 05-10?					11.0		3.60				3.60	nomo	felt	felt locally	SBHVO (Wood, unpub)
3/12/17	13:35					kl cal 05-10?					10.0		2.37				2.37	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
3/14/17	4:57					kona?					72.0		4.09				4.09	nomo	felt	felt locally, rattled windows?	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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
3/14/17	11:03					a1320					14.0		2.52				2.52	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
3/16/17	2:34					a3035					32.0		2.71				2.71	nomo			SBHVO (Wood, unpub)
3/21/17	2:24					ml wf?					56.0		3.18				3.18	poor		near-shock; chief phases only; distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
3/25/17	7:10					a2025					21.0		2.50				2.50	nomo			SBHVO (Wood, unpub)
3/26/17	17:00					a2025					21.0		2.80				2.80	nomo			SBHVO (Wood, unpub)
3/27/17	13:38					a2025					22.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
3/30/17	16:32					kl cal 0-5?					6.0		0.69				0.69	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
3/30/17	16:34					a2025					25.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
3/31/17	7:16					a2025					25.0		2.09				2.09	nomo			SBHVO (Wood, unpub)
3/31/17	16:37					a2025					22.0		2.30				2.30	nomo			SBHVO (Wood, unpub)
4/1/17	13:26					a1320					18.0		1.99				1.99	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
4/1/17	13:28					a1320					14.0		2.45				2.45	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
4/1/17	13:29					kl uer??					10.0		2.48				2.48	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
4/3/17	16:21					a2025					23.0		3.65				3.65	nomo			SBHVO (Wood, unpub)
4/9/17	20:56					a2025					21.0		3.45				3.45	nomo			SBHVO (Wood, unpub)
4/14/17	18:53					a2025					21.0		3.21				3.21	nomo			SBHVO (Wood, unpub)
4/15/17	19:35					kl cal 0-5?					6.0		1.40				1.40	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
4/16/17	23:34					hilea?					38.0		2.62				2.62	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
4/20/17	3:48					hilea?					40.0		2.43				2.43	nomo		distance calculated from Wood's catalog using the time difference between s and p arrivals	SBHVO (Wood, unpub)
4/20/17	13:23					a2025					25.0		2.09				2.09	nomo			SBHVO (Wood, unpub)
4/21/17	1:32					a2025					22.0		3.44				3.44	nomo			SBHVO (Wood, unpub)
4/21/17	8:59					a2025					21.0		2.27				2.27	nomo			SBHVO (Wood, unpub)
4/21/17	15:22					a2025					22.0		2.94				2.94	nomo			SBHVO (Wood, unpub)
4/22/17	5:49					kohala?					93.0		3.30				3.30	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
4/22/17	8:36					a2530					26.0		2.65				2.65	nomo			SBHVO (Wood, unpub)
4/22/17	14:23					a2530					28.0		3.32				3.32	nomo			SBHVO (Wood, unpub)
4/22/17	23:03					a1320					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
4/23/17	0:56					a1320					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
4/23/17	7:47					a2025					22.0		3.11				3.11	nomo			SBHVO (Wood, unpub)
4/27/17	3:40					a3035					33.0		2.82				2.82	nomo			SBHVO (Wood, unpub)
4/27/17	3:46					a3035					32.0		2.56				2.56	nomo			SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
4/30/17	8:54					a2025					21.0		3.59				3.59	nomo			SBHVO (Wood, unpub)
4/30/17	22:34					hilea?					43.0		3.81				3.81	nomo			SBHVO (Wood, unpub)
5/2/17	4:40					a3035					33.0		2.58				2.58	nomo			SBHVO (Wood, unpub)
5/2/17	12:56					kaoiki?					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
5/6/17	4:23					a3035					34.0		3.33				3.33	nomo			SBHVO (Wood, unpub)
5/6/17	4:43					unknown															SBHVO (Wood, unpub)
5/6/17	6:02					a2025					21.0		3.79				3.79	nomo			SBHVO (Wood, unpub)
5/7/17	11:52					hilea?					46.0		2.81				2.81	nomo			SBHVO (Wood, unpub)
5/9/17	4:14					hilea?					38.0		2.27				2.27	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
5/11/17	5:42					ml swr?					56.5		3.06				3.06	nomo			SBHVO (Wood, unpub)
5/12/17	19:44					a3035					32.0		2.56				2.56	nomo			SBHVO (Wood, unpub)
5/13/17	18:05					hilea?					48.0		3.18				3.18	nomo			SBHVO (Wood, unpub)
5/15/17	4:24					hilea?					48.0		2.84				2.84	nomo			SBHVO (Wood, unpub)
5/23/17	22:16					hualalai?					88.0		3.26				3.26	nomo			SBHVO (Wood, unpub)
5/25/17	5:59					hualalai?					78.0		3.42				3.42	nomo			SBHVO (Wood, unpub)
5/28/17	19:31					ml swr?					50.0		3.68				3.68	nomo			SBHVO (Wood, unpub)
6/2/17	20:36					hilea?					43.0		2.76				2.76	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/2/17	22:37					a1320					14.0		2.39				2.39	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/3/17	15:43					maui?					168.0		3.58				3.58	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/4/17	8:49					a2025					24.0		2.47				2.47	nomo			SBHVO (Wood, unpub)
6/5/17	0:23					a1320					14.0		3.12				3.12	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/5/17	19:29					a2025					23.0		2.33				2.33	nomo			SBHVO (Wood, unpub)
6/10/17	15:03					a2025					21.0		2.06				2.06	nomo			SBHVO (Wood, unpub)
6/11/17	2:34					a2025					21.0		2.13				2.13	nomo			SBHVO (Wood, unpub)
6/11/17	19:16					hilea?					43.0		2.76				2.76	nomo			SBHVO (Wood, unpub)
6/12/17	7:58					kl cal 05-10??					11.0		2.22				2.22	nomo			SBHVO (Wood, unpub)
6/13/17	21:30					a1320					16.0		2.31				2.31	nomo	felt	felt at Halemaumau	SBHVO (Wood, unpub)
6/13/17	22:20					a1320					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred p arrival	SBHVO (Wood, unpub)
6/14/17	2:56					a2025					21.0		3.08				3.08	nomo	felt	felt in cottages at hotel [Volcano House], structures astride a peripheral fissure	SBHVO (Wood, unpub)
6/14/17	10:27					a2025					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
6/15/17	0:04					a2025					25.0		2.18				2.18	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
6/15/17	6:23					unknown															SBHVO (Wood, unpub)
6/15/17	8:12					kl cal 05-10??					10.0		2.31				2.31	nomo			SBHVO (Wood, unpub)
6/15/17	23:06					a1320					18.0		2.16				2.16	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, unpub)
6/16/17	13:44					a1320					18.0		1.86				1.86	poor		distance calculated from Wood's catalog using the time difference between the maximum signal and the inferred s arrival	SBHVO (Wood, 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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/16/17	20:41					a2025					21.0		2.67				2.67	nomo			SBHVO (Wood, unpub)
6/16/17	23:54					a2025					21.0		2.37				2.37	nomo			SBHVO (Wood, unpub)
6/17/17	0:27					a2025					21.0		1.86				1.86	nomo			SBHVO (Wood, unpub)
6/19/17	18:21					a2025					21.0		3.52				3.52	nomo			SBHVO (Wood, unpub)
6/21/17	6:55					a2025					21.0		3.67				3.67	nomo	felt	slight, time 7 a.m., felt at HVO	SBHVO (Wood, unpub); ESPHVO, v. 2, p. 620
6/26/17	7:09					hilea?					41.0		3.41				3.41	nomo			SBHVO (Wood, unpub)
6/27/17	3:08					a3035					32.0		4.11				4.11	nomo		This is the last earthquake recorded in the Wood unpublished archive	SBHVO (Wood, unpub)
7/6/17	23:59																			1 shock during week ending 7/6/1917	ESPHVO, v. 2, p. 628
7/13/17	23:59					east hawaii													felt	1 shock during week ending 7/13/1917, felt in Hilo, not locally	ESPHVO, v. 2, p. 629
7/13/17	23:59					east hawaii													felt	4 shocks during week ending 7/13/1917; 1 felt in Hilo, not locally	ESPHVO, v. 2, p. 629
7/20/17	23:59					south hawaii											3.76	int	IV	1 shock during week ending 7/20/1917, felt locally as sharp, sudden jolt	ESPHVO, v. 2, p. 631
7/20/17	23:59					east hawaii													felt	1 shock during week ending 7/20/1917, felt Hilo, not locally	ESPHVO, v. 2, p. 631
7/20/17	23:59																			4 shocks during week ending 7/20/1917	ESPHVO, v. 2, p. 631
7/27/17	23:59																			0 shocks during week ending 7/27/1917	ESPHVO, v. 2, p. 635
7/28/17	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
7/29/17	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
8/3/17	23:59					south hawaii													felt	During the week ending Aug. 3 six local earthquakes, two of which were felt plainly, one in the evening by many people and one in the early morning, awakening some; third (?) felt in structures qualified to increase the effect of the vibration	ESPHVO, v. 2, p. 637; HDT, 8/9/1917 [repeats HVO info]
8/10/17	23:59																			4 shocks during week ending 8/10/1917	ESPHVO, v. 2, p. 651
8/17/17	23:59																			2 shocks during week ending 8/17/1917; last report from H.O. Wood (reported for duty with U.S. Army	ESPHVO, v. 2, p. 651
8/24/17	15:00					unknown														moderate shock	time given as "afternoon"; ESPHVO, v. 2, p. 654; not found in HH or HT
8/24/17	23:59																			no report for week ending 8/24/1917	
9/6/17	6:00					unknown														slight shock	time given as "early am"; ESPHVO, v. 2, p. 655
9/14/17	12:00					unknown														1 feeble shock	time assumed; ESPHVO, v. 2, p. 657
9/15/17	3:45					kl cal deep??								<5.22			3.76	int	IV	two local earthquakes a few minutes apart... generally felt in Kau and Hilo. first at Volcano House was a prolonged rocking; Lyman notes: 2 shocks at 3:45 am, the first sharp North and South; Warshauer notes: repeats HVO info	not found in Honolulu Station Bulletin (Hazard, 1920); looked for, not seen on hon film record; ESPHVO, v. 2, p. 659; WKC, 1992, p. 31; HDT, 9/25/1917; not found in HH
9/15/17	3:48					kl cal deep??								<5.22					II-III	two local earthquakes a few minutes apart... generally felt in Kau and Hilo. second at Volcano House was slight; Lyman notes: 2 shocks at 3:45 am, the second slight; Warshauer notes: repeats HVO info	not found in Honolulu Station Bulletin (Hazard, 1920); looked for, not seen on hon film record; ESPHVO, v. 2, p. 659; WKC, 1992, p. 31; HDT, 9/25/1917; not found in HH
9/22/17	15:00					unknown														1 small shock	time given as "afternoon"; ESPHVO, v. 2, p. 660
9/30/17	8:00					unknown															ESPHVO, v. 2, p. 664
9/30/17	15:30					unknown															ESPHVO, v. 2, p. 664

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/4/17	2:00					unknown															ESPHVO, v. 2, p. 664
10/4/17	12:48					kl cal 0-5?									3	int	3.00	int	V	started rock slide at Halemaumau	ESPHVO, v. 2, p. 664
10/4/17	20:30					unknown															ESPHVO, v. 2, p. 664
10/5/17	20:30					unknown														small shock between 8 and 9 p.m.	ESPHVO, v. 2, p. 666
10/14/17	15:30					unknown														trivial	ESPHVO, v. 2, p. 667
10/16/17	19:42					unknown														more pronounced	ESPHVO, v. 2, p. 667
10/17/17	18:25					unknown														trivial	ESPHVO, v. 2, p. 667
10/27/17	20:40					unknown														small	ESPHVO, v. 2, p. 681
10/30/17	2:30					unknown														very small	ESPHVO, v. 2, p. 681
11/3/17	7:30					unknown															ESPHVO, v. 2, p. 683
11/16/17	23:59					unknown														0 shocks during week ending 11/16/1917	ESPHVO, v. 2, p. 685
11/18/17	21:00					kl cal 0-5?													felt	felt at HVO	ESPHVO, v. 2, p. 685, 689: small eqs accompanying subsidence of Halemaumau lava lake; not reported in HH or HDT
11/20/17	2:00					kl cal 0-5?															ESPHVO, v. 2, p. 689
11/20/17	6:00					kl cal 0-5?													felt	2 shocks felt at HVO	ESPHVO, v. 2, p. 689; not reported in HH or HDT
11/20/17	12:00					kl cal 0-5?															ESPHVO, v. 2, p. 689
11/23/17	23:59					unknown													felt	5 shocks during week ending 11/23/1917; 3 felt locally	ESPHVO, v. 2, p. 689
11/27/17	0:30					unknown														small	ESPHVO, v. 2, p. 690
11/30/17	23:59					unknown														1 shock during week ending 11/30/191	ESPHVO, v. 2, p. 690
12/2/17	20:10					unknown														very small	ESPHVO, v. 2, p. 694
12/4/17	0:50					unknown													felt	felt at HVO	ESPHVO, v. 2, p. 694; not reported in HH or HDT
12/4/17	22:00					unknown													felt	felt at HVO	ESPHVO, v. 2, p. 694; not reported in HH or HDT
12/11/17	1:00					unknown													felt	felt at HVO as short feeble shock	ESPHVO, v. 2, p. 695; not reported in HH or HDT
12/21/17	15:00					unknown														small	ESPHVO, v. 2, p. 701
1/5/18	16:50					unknown														small shock, not very near Kilauea	ESPHVO, v. 2, p. 709
1/7/18	3:02					unknown														small shock, not very near Kilauea	ESPHVO, v. 2, p. 709
1/13/18	13:17					kilauea														small shock local to Kilauea	ESPHVO, v. 2, p. 711
1/13/18	13:36					kilauea														small shock local to Kilauea	ESPHVO, v. 2, p. 711
1/17/18	3:18					kilauea													felt	small shock local to Kilauea; felt locally	ESPHVO, v. 2, p. 711; not reported in HH or HDT
1/19/18	7:55					unknown														small	ESPHVO, v. 2, p. 714
1/21/18	11:23					kl cal 0-5														small	ESPHVO, v. 2, p. 714; lava lake down 40 ft at noon, very active with endogenous growth around this time
1/21/18	12:59					kl cal 0-5														small	ESPHVO, v. 2, p. 714
1/21/18	14:29					kl cal 0-5														small (strongest)	ESPHVO, v. 2, p. 714
1/21/18	14:40					kl cal 0-5														small	ESPHVO, v. 2, p. 714
1/24/18	8:46					unknown														small	ESPHVO, v. 2, p. 714
1/25/18	23:50					unknown														slight	ESPHVO, v. 2, p. 717
1/26/18	12:25					unknown														slight	ESPHVO, v. 2, p. 717
1/28/18	20:37					unknown														slight	ESPHVO, v. 2, p. 717
2/1/18	5:52					unknown														slight; stronger and farther from the observatory	ESPHVO, v. 2, p. 717
2/4/18	1:34					unknown															ESPHVO, v. 2, p. 725
2/23/18	4:30					unknown														small	ESPHVO, v. 2, p. 742
2/23/18	4:55					unknown														Halemaumau overflowed its rim for the first time in 24 years	ESPHVO, v. 2, p. 742

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
2/23/18	12:55					south hawaii											3.76	int	IV	felt strongly in Hilo; Warshauer notes: At 12:55 p.m. yesterday a sharp earthquake shock was felt in Hilo, indicating, perhaps, said Professor Jaggar, the apex of the crisis [rapid rise and overflow of Halemaumau lava lake]	not found in Honolulu Station Bulletin (Hazard, 1920); possible line widening on overexposed hon film record; event doubtful; ESPHVO, v. 2, p. 742; HDT, 2/24/1918; not found in HH or HP
2/23/18	night					south hawaii?														Warshauer notes: There was a slight earthquake at the volcano, perceptible at Hilo, last night.	PCA, 2/24/1918
2/26/18	7:35					unknown														small	ESPHVO, v. 2, p. 742
2/26/18	9:42					kl cal 0-5?					3.6		3.53				3.53	desp	IV	a smart quake that rocked the buildings [HVO] and threw all the recording pens off their cylinders; duration several seconds; Warshauer notes: heavy earthquake shook HVO; a sharp earthquake [no location, Volcano context]	ESPHVO, v. 2, p. 742; HH, 3/1/1918; DPH, 2/26/1918; HDT, 2/27/1918; PCA, 2/26/1918 [9:25 p.m., implied date of 2/25]
2/27/18	4:27					unknown														small	ESPHVO, v. 2, p. 742
2/27/18	6:57					unknown														small	ESPHVO, v. 2, p. 742
3/3/18	16:07					kl cal 0-5?														small	ESPHVO, v. 2, p. 742
3/3/18	17:25					kl cal 0-5?														small	ESPHVO, v. 2, p. 742
3/4/18	2:59					kl cal 0-5?														small	ESPHVO, v. 2, p. 742
3/4/18	11:20					kl cal 0-5?														small	ESPHVO, v. 2, p. 742
3/4/18	12:08					kl cal 0-5?														small	ESPHVO, v. 2, p. 742
3/8/18	4:04					unknown														a shock	ESPHVO, v. 2, p. 742
3/8/18	18:28					unknown														very small	ESPHVO, v. 2, p. 742
3/8/18	23:59					unknown														5 small shocks during week ending 3/8/1918, associated with lowering of lava lake level	ESPHVO, v. 2, p. 742
3/10/18	7:23					unknown															ESPHVO, v. 2, p. 742
3/10/18	8:06					unknown														stronger	ESPHVO, v. 2, p. 742
3/22/18	10:54					unknown															ESPHVO, v. 2, p. 747
3/23/18	23:09					unknown															ESPHVO, v. 2, p. 749
3/25/18	19:23					unknown															ESPHVO, v. 2, p. 749
3/26/18	8:30					kl cal 0-5?															ESPHVO, v. 2, p. 749
3/26/18	9:37					kl cal 0-5?															ESPHVO, v. 2, p. 749
3/26/18	21:48					kl cal 0-5?													felt	felt locally	ESPHVO, v. 2, p. 749; not reported in HH
3/27/18	19:38					kl cal 0-5?													felt	felt locally	ESPHVO, v. 2, p. 749; not reported in HH
3/27/18	21:40					kl cal 0-5?															ESPHVO, v. 2, p. 749
3/28/18	9:00					kl cal 0-5?															ESPHVO, v. 2, p. 748: beginning of lava subsidence in Halemaumau
3/29/18	6:00					kl cal 0-5?													felt	felt locally	ESPHVO, v. 2, p. 749; not reported in HH
3/29/18	9:24					kl cal 0-5?															ESPHVO, v. 2, p. 749
3/29/18	23:59					kl cal 0-5?													felt	9 shocks during week ending 3/29/1918 associated with change from rising to sinking lava; 3 felt locally	ESPHVO, v. 2, p. 749
3/30/18	3:52					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	5:45					kl cal 0-5?															ESPHVO, v. 2, p. 761

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
3/30/18	6:02					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	6:20					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	7:07					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 761
3/30/18	11:37					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	12:03					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	13:27					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	18:15					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	19:46					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	20:23					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	22:55					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	23:16					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	23:27					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/30/18	23:38					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/31/18	2:42					kl cal 0-5?															ESPHVO, v. 2, p. 761
3/31/18	9:43					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 761
3/31/18	17:39					kl cal 0-5?															ESPHVO, v. 2, p. 761
4/1/18	3:54					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/1/18	19:06					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/1/18	19:07					kl cal 05-10?													felt	felt? locally	ESPHVO, v. 2, p. 762
4/2/18	0:30					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/2/18	4:53					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/2/18	5:54					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/2/18	15:19					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 762
4/2/18	15:49					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 754, 762
4/2/18	16:58					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 754, 762
4/2/18	17:47					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 762
4/2/18	18:46					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/2/18	19:31					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/2/18	20:15					kl cal 0-5?															ESPHVO, v. 2, p. 762

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
4/2/18	20:31					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/2/18	21:44					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 762
4/2/18	23:28					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/3/18	0:05					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/3/18	1:18					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/3/18	2:36					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/3/18	3:19					kl cal 0-5?															ESPHVO, v. 2, p. 762
4/3/18	7:54					kl cal 05-10?													felt	felt locally	ESPHVO, v. 2, p. 762
4/4/18	21:33					kl cal 0-5?														very slight	ESPHVO, v. 2, p. 762
4/4/18	21:35					kl cal 0-5?														very slight	ESPHVO, v. 2, p. 762
4/5/18	9:15					kl cal 0-5?															ESPHVO, v. 2, p. 754: subsidence over, lake depressed 237 ft
4/5/18	23:59					unknown														41 shocks related to lava subsidence; Warshauer notes: numerous localized small earthquakes accompanied the movement of subsidence, increasing in vehemence as it increased and ceasing completely when recovery began	ESPHVO, v. 2, p. 761; HDT, 4/9/1918; not reported in HH
4/7/18	6:31					unknown														small tremor	ESPHVO, v. 2, p. 762
4/8/18	23:10					unknown															ESPHVO, v. 2, p. 762
4/14/18	5:10					unknown														tremor	ESPHVO, v. 2, p. 762
4/19/18	19:02					unknown															ESPHVO, v. 2, p. 764
4/21/18	13:25					unknown															ESPHVO, v. 2, p. 764
4/26/18	17:17					unknown															ESPHVO, v. 2, p. 766
4/28/18	19:40					unknown															ESPHVO, v. 2, p. 766
4/29/18	19:07					unknown														very small	ESPHVO, v. 2, p. 766
4/29/18	21:40					unknown														very small	ESPHVO, v. 2, p. 766
4/30/18	8:30					unknown														very small	ESPHVO, v. 2, p. 766
5/12/18	20:50					unknown														very small	ESPHVO, v. 2, p. 772
5/13/18	5:26					unknown														very small	ESPHVO, v. 2, p. 772
5/21/18	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
5/21/18	15:30					kl cal deep?								do			do	do	do	Warshauer notes: sharp shock felt in Hilo at 3:31 p.m. [May 21], violent shaking of buildings, motion of swaying objects on a N-S line, no damage; also felt in Kau, Kona, Hamakua, Puna and north Hilo, slightly at volcano	not found in Honolulu Station Bulletin (Hazard, 1920); seen on hon film record; HDT, 5/22/1918; not found in PCA, HSB or DPH
5/21/18	19:27					kl cal deep??					25.0		4.27				4.27	desp		moderate	ESPHVO, v. 2, p. 777
5/22/18	15:30					kl cal deep??					25.0		4.27				4.27	desp		moderate	ESPHVO, v. 2, p. 777
5/25/18	21:49					unknown														small	ESPHVO, v. 2, p. 780
5/26/18	4:16					unknown														small	ESPHVO, v. 2, p. 780
5/26/18	19:19					unknown														small	ESPHVO, v. 2, p. 780
5/28/18	4:42					unknown														small	ESPHVO, v. 2, p. 780
5/31/18	14:13					unknown															ESPHVO, v. 2, p. 787
6/1/18	15:30					unknown															ESPHVO, v. 2, p. 787

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/6/18	0:49					unknown															ESPHVO, v. 2, p. 787
6/6/18	12:48					unknown															ESPHVO, v. 2, p. 787
6/7/18	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
6/8/18	2:37					unknown														very small	ESPHVO, v. 2, p. 787
6/12/18	4:03					unknown														small	ESPHVO, v. 2, p. 787
6/14/18	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
6/14/18	11:13					ml wf?						off scale		do			do	do	do	Warshauer notes: felt distinctly in Hilo, at the Volcano, and in the Kona and Kau districts; severe on Kona side; roadbed disrupted near Manu-ka, water tank upset, bottles broken	HDT, 6/15/1918; HH, 6/21/1918; not found in PCA, HSB or MN
6/15/18	2:54					unknown															ESPHVO, v. 2, p. 787
6/15/18	15:29					unknown															ESPHVO, v. 2, p. 787
6/19/18	6:28					south hawaii													felt	felt locally	ESPHVO, v. 2, p. 787; not reported in HH
6/22/18	8:13					unknown															seismometer improvements made with Dr. Romberg (ESPHVO v. 2, p.791)
6/24/18	6:19					unknown															ESPHVO, v. 2, p. 797
6/25/18	1:49					unknown															ESPHVO, v. 2, p. 797
6/26/18	18:16					east hawaii?													felt	felt in Hilo	ESPHVO, v. 2, p. 797; not reported in HH
6/29/18	12:31					unknown															ESPHVO, v. 2, p. 797
6/30/18	8:22					unknown														pronounced [presumably on seismogram]	ESPHVO, v. 2, p. 797
7/4/18	0:38					unknown															ESPHVO, v. 2, p. 797
7/10/18	20:40					unknown															ESPHVO, v. 2, p. 797
7/10/18	20:44					south hawaii													felt	felt locally and in Hilo	ESPHVO, v. 2, p. 797; not reported in HH
7/15/18	11:19					unknown														very small	ESPHVO, v. 2, p. 802
7/18/18	18:15					unknown														very small	ESPHVO, v. 2, p. 802
7/21/18	18:23					unknown														small	ESPHVO, v. 2, p. 802
7/24/18	1:58					unknown														small	ESPHVO, v. 2, p. 802
7/25/18	14:29					unknown														small	ESPHVO, v. 2, p. 802
7/27/18																					ESPHVO, v. 2, p. 803; renovation of seismometers begun during week beginning 7/27/1918; renovation continued through week ending 9/20/1918
9/8/18	7:40					south hawaii								<5.16					felt	felt over southern half of island of Hawaii; recorded on rebuilt Bosch-Omori instrument; Warshauer notes: the shock came from a slip in the earth's crust after the pressure had been relieved by the flow [1918 overflow]	not found in Honolulu Station Bulletin (Hazard, 1920); not seen on Honolulu film record; ESPHVO, v. 2, p. 820; HT, 9/17/1918 [repeats ESPHVO]; HDT, 2/27/1919; not found in HH, DPH or PCA
9/21/18																					ESPHVO, v. 2, p. 797; instruments now recording continuously; seismically quiet
9/30/18						unknown														3 small moderately distant earthquakes	no times given; ESPHVO, v. 2, p. 830
10/4/18						unknown														3 marked spasms of tremor	no times given; ESPHVO, v. 2, p. 830
10/10/18	14:25					unknown						m								moderate	ESPHVO, v. 2, p. 831
10/13/18	13:23					unknown						m								moderate	ESPHVO, v. 2, p. 833
10/15/18	3:43					unknown						m								moderate	ESPHVO, v. 2, p. 833
10/15/18	7:53					unknown						m								moderate	ESPHVO, v. 2, p. 833
10/15/18	11:16					unknown						m								moderate	ESPHVO, v. 2, p. 833
10/17/18	2:57					unknown						m								moderate	ESPHVO, v. 2, p. 833

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10/20/18	14:30					unknown														small	ESPHVO, v. 2, p. 836
10/31/18	9:14					unknown														local tremor	ESPHVO, v. 2, p. 838
10/31/18	15:07					unknown														small	ESPHVO, v. 2, p. 838
11/1/18	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
11/1/18	23:33	19	24	155	27	kaoiki				20.2	22.1	st		do	do	do	do	do	do	Warshauer notes: noted Hilo, Kona, Kau, Hamakua and Kohala; most severe at Kapapala since 1887, 24 tremors counted; shook down stone walls, slides blocked highways, Kilauea caldera floor cracked, water pipe broken, houses rattled and crockery broken	PCA, 11/3/1918; HSB, 11/4/1918; DPH, 11/2/1918; HDT, 11/3/1918; MN, 11/8/1918
11/1/18	23:33	19	24	155	27	kaoiki				20.2	22.1	st		do	do	do	do	do	do	Warshauer notes: Hilo-sharpest in a long time, 3 shocks at wharf, crockery broke, pictures out of line, clocks stopped, dogs barked, people ran out; also sharply felt in Hamakua district; all wakened in Waimea, good and stiff in Kona, stiff at Honuapo	DPH, 11/2/1918
11/1/18	23:38					kaoiki?					22.1	slight?	4.19				4.19	poor	felt	felt Hilea; lost in mainshock?	aftershock; ESPHVO, v. 2, p. 840, 843
11/1/18	23:44					kaoiki?					22.1	slight?	4.19				4.19	poor	felt	recorded instrumentally; felt Hilea, time recorded as 11:46	aftershock; ESPHVO, v. 2, p. 840, 843
11/1/18	23:52					kaoiki?					22.1	slight?	4.19				4.19	poor	felt	recorded instrumentally; felt Hilea, time recorded as midnight	aftershock; ESPHVO, v. 2, p. 843
11/2/18	0:07					kaoiki?					22.1	slight?	3.93				3.93	poor		recorded instrumentally	aftershock; ESPHVO, v. 2, p. 843
11/2/18	2:18					kaoiki?					22.1	slight?	3.93				3.93	poor			aftershock; ESPHVO, v. 2, p. 843
11/2/18	3:01					kaoiki?					22.1	slight?	3.93				3.93	poor			aftershock; ESPHVO, v. 2, p. 843
11/2/18	5:00					kaoiki?					22.1	slight?	4.19				4.19	poor	felt	pronounced; felt Hilea	aftershock; ESPHVO, v. 2, p. 843
11/2/18	18:30					kaoiki?					22.1	slight?	3.93				3.93	poor			aftershock; ESPHVO, v. 2, p. 843
11/2/18	23:59					kaoiki?					22.1	feeble	3.38				3.38	poor		2 additional feeble shocks	aftershock; ESPHVO, v. 2, p. 843
11/2/18	23:59					kaoiki?					22.1	feeble	3.38				3.38	poor		2 additional feeble shocks	aftershock; ESPHVO, v. 2, p. 843
11/3/18	23:59					kaoiki?														2 weak shocks	aftershock; ESPHVO, v. 2, p. 843
11/4/18	23:59					kaoiki?														2 feeble spasms of trembling	aftershock; ESPHVO, v. 2, p. 843
11/5/18	23:59					kaoiki?														1 very feeble spasm	aftershock; ESPHVO, v. 2, p. 843
11/6/18	23:59					kaoiki?														1 spasm	aftershock; ESPHVO, v. 2, p. 843
11/7/18	12:05					kaoiki?											3.76	int	IV	felt strongly in Hilo and locally; sharp, felt locally	aftershock; ESPHVO, v. 2, p. 840, 843
11/7/18	15:00					kaoiki?														two weak shocks in the PM	aftershock; ESPHVO, v. 2, p. 843
11/7/18	23:30					kaoiki?														2 feeble spasms near midnight	aftershock; ESPHVO, v. 2, p. 843
11/9/18	8:00					unknown														small shock in am	ESPHVO, v. 2, p. 846
11/11/18	23:00					unknown														2 night of 11-12	ESPHVO, v. 2, p. 846
11/12/18	1:00					unknown														2 night of 11-12	ESPHVO, v. 2, p. 846
11/13/18	3:00					kl cal 0-5?													felt	2 shocks felt locally	ESPHVO, v. 2, p. 846
11/14/18	2:00					kl cal 0-5?					3.6	slight?	2.67				2.67	poor	felt	1 shock felt locally early morning; beginning of subsidence of Halemaumau lava lake; Warshauer notes: One slight earthquake, not reported yesterday in Hilo, was felt at the volcano early in the morning.	ESPHVO, v. 2, p. 846; HDT, 11/15/1918; not reported in HH or DPH
11/14/18	23:00					kl cal 0-5?														two small tremors evening of 11/14-15	ESPHVO, v. 2, p. 846
11/15/18	1:00					kl cal 0-5?														do	ESPHVO, v. 2, p. 846
11/15/18	18:00					kl cal 0-5					3.6	slight?	2.67				3.58	calc		10 shocks increasing in perceptibility during the day and early evening associated with subsidence of Halemaumau lava lake	time assumed; ESPHVO, v. 2, p. 846; preferred magnitude calculated as nomogram magnitude multiplied by number of events

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11/16/18	20:00					kl cal 0-5					3.6	feeble?	2.12				3.80	calc		lava lake 230 feet down; 69 shocks in the preceding 24 hours, associated with subsidence of Halemaumau lava lake	ESPHVO, v. 2, p. 846, 850; preferred magnitude calculated as nomogram magnitude multiplied by number of events
11/17/18	2:00					unknown														2 shocks and 1 slight spasm of trembling, early am	ESPHVO, v. 2, p. 850
11/18/18	23:30					unknown														1 slight spasm of trembling	ESPHVO, v. 2, p. 850
11/19/18	8:00					unknown														1 slight spasm of trembling, am	ESPHVO, v. 2, p. 850
11/22/18	23:59					unknown														5 shocks after 11/16	ESPHVO, v. 2, p. 850
11/23/18	10:01					unknown															ESPHVO, v. 2, p. 853
11/24/18	5:37					unknown														tremor spasm	ESPHVO, v. 2, p. 853
11/24/18	16:53					unknown														tremor spasm	ESPHVO, v. 2, p. 853
11/26/18	9:51					unknown															ESPHVO, v. 2, p. 853
11/30/18	0:38					unknown															ESPHVO, v. 2, p. 858
11/30/18	15:29					unknown															ESPHVO, v. 2, p. 858
11/30/18	17:57					unknown															ESPHVO, v. 2, p. 858
12/5/18	4:28					unknown														small	ESPHVO, v. 2, p. 858
12/10/18	14:56					unknown														small	ESPHVO, v. 2, p. 861
1/2/19	12:14					unknown													felt	felt locally	ESPHVO, v. 2, p. 870
1/5/19	21:15					unknown													felt	perceptible [felt locally]	ESPHVO, v. 2, p. 873
1/8/19	21:03					unknown														feeble	ESPHVO, v. 2, p. 873
1/9/19	9:45					unknown														feeble	ESPHVO, v. 2, p. 873
1/9/19	18:07					unknown														feeble	ESPHVO, v. 2, p. 873
1/17/19	23:59					unknown														few shocks during week ending 1/17/1919	ESPHVO, v. 2, p. 876
1/24/19	23:59					kohala?													felt	one pronounced earthquake felt in Kohala during week ending 1/24/1919	ESPHVO, v. 2, p. 881
1/27/19	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
1/27/19	16:53					do											do	do	do	A few local earthquakes [in the preceding week] and a near shock on the afternoon of January 28 [Jan. 27] was felt in Honolulu; Warshauer notes: seismographs registered a near shock on the afternoon of Jan. 29!, which was felt in Honolulu	ESPHVO, v. 2, p. 883; HDT, 2/5/1919
2/1/19	3:14					unknown															ESPHVO, v. 2, p. 888
2/1/19	6:29					unknown															ESPHVO, v. 2, p. 888
2/2/19	0:47					unknown													felt	felt locally	ESPHVO, v. 2, p. 888
2/4/19	4:23					unknown														slight	ESPHVO, v. 2, p. 888
2/5/19	3:07					unknown														slight	ESPHVO, v. 2, p. 888
2/5/19	20:24					unknown														slight	ESPHVO, v. 2, p. 888
2/7/19																				overflow from Halemaumau into Kilauea caldera begins 1919 Postal Rift eruption	ESPHVO, v. 2, p. 888
2/10/19	15:44					unknown														small	ESPHVO, v. 2, p. 891
2/14/19	0:35					unknown														small	ESPHVO, v. 2, p. 891
2/14/19	8:08					unknown														small	ESPHVO, v. 2, p. 891
2/15/19	14:59					unknown						s?								pronounced	not found on Hon film record; ESPHVO, v. 2, p. 896
2/20/19	6:40					unknown						s?								pronounced	not found on Hon film record; ESPHVO, v. 2, p. 896
2/22/19	19:19					unknown														slight	ESPHVO, v. 2, p. 899, 903
2/25/19	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

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2/26/19	6:08					unknown														slight	ESPHVO, v. 2, p. 903
2/26/19	23:03					unknown														slight	ESPHVO, v. 2, p. 903
2/27/19	15:25					unknown														slight	ESPHVO, v. 2, p. 903
3/1/19	5:44					unknown						m								moderate	not found on Hon film record; ESPHVO, v. 2, p. 903
3/4/19	4:54					unknown														slight	ESPHVO, v. 2, p. 903
3/5/19	1:33					unknown														slight	ESPHVO, v. 2, p. 903
3/7/19	19:08					unknown						s?								pronounced	not found on Hon film record; ESPHVO, v. 2, p. 903; not found in PCA, HSB, HDT, DPH or MN
3/7/19	19:26					unknown						s?								pronounced	not found on Hon film record; ESPHVO, v. 2, p. 903
3/7/19	20:42					unknown														small	ESPHVO, v. 2, p. 903
3/8/19	18:34					unknown															ESPHVO, v. 2, p. 911
3/9/19	16:45					unknown															ESPHVO, v. 2, p. 911
3/14/19	0:29					unknown														very slight	ESPHVO, v. 2, p. 911
3/22/19	0:30					unknown															ESPHVO, v. 2, p. 914
3/22/19	3:52					unknown															ESPHVO, v. 2, p. 914
3/24/19	1:49					unknown															ESPHVO, v. 2, p. 914
3/24/19	3:45					unknown															ESPHVO, v. 2, p. 914
3/25/19	15:24					unknown														very slight	ESPHVO, v. 2, p. 914
3/26/19	21:52					unknown														very slight	ESPHVO, v. 2, p. 914
3/28/19	13:40					unknown															ESPHVO, v. 2, p. 914
3/29/19	3:31					unknown														very slight	ESPHVO, v. 2, p. 920
3/30/19	2:48					unknown														very slight	ESPHVO, v. 2, p. 920
3/31/19	16:39					unknown														very slight	ESPHVO, v. 2, p. 920
4/5/19	12:32					unknown						m								moderate	not found on Hon film record; ESPHVO, v. 2, p. 920
4/7/19	6:19					unknown													felt	felt locally	not found on Hon film record; ESPHVO, v. 2, p. 920
4/8/19	4:53					unknown														very slight	ESPHVO, v. 2, p. 920
4/10/19	2:11					unknown														very slight	ESPHVO, v. 2, p. 920
4/13/19	19:20					unknown														trivial	ESPHVO, v. 2, p. 926
4/14/19	5:29					unknown														trivial	ESPHVO, v. 2, p. 926
4/14/19	10:31					unknown														trivial	ESPHVO, v. 2, p. 926
4/17/19	5:57					unknown														trivial	ESPHVO, v. 2, p. 926
4/17/19	7:19					unknown														trivial	ESPHVO, v. 2, p. 926
4/18/19	19:10					unknown														trivial	ESPHVO, v. 2, p. 926
4/20/19	15:41					unknown															ESPHVO, v. 2, p. 929
4/21/19	15:02					unknown														very slight	ESPHVO, v. 2, p. 929
4/21/19	23:44					unknown														very slight	ESPHVO, v. 2, p. 929
4/25/19	10:54					unknown															ESPHVO, v. 2, p. 929
4/27/19	15:06					unknown															ESPHVO, v. 2, p. 932
5/3/19	8:35					unknown													felt	felt locally	not found on Hon film record; ESPHVO, v. 2, p. 937
5/5/19	12:39					unknown															ESPHVO, v. 2, p. 937
5/6/19	3:19					unknown															ESPHVO, v. 2, p. 937
5/7/19	16:21					unknown															ESPHVO, v. 2, p. 937
5/10/19	6:24					unknown														feeble	ESPHVO, v. 2, p. 940
5/11/19	5:26					unknown														feeble	ESPHVO, v. 2, p. 940
5/11/19	12:26					unknown														feeble	ESPHVO, v. 2, p. 940
5/13/19	6:43					unknown														feeble	ESPHVO, v. 2, p. 940
5/13/19	10:45					unknown														feeble	ESPHVO, v. 2, p. 940
5/13/19	15:09					unknown														feeble	ESPHVO, v. 2, p. 940
5/16/19	10:05					unknown														feeble	ESPHVO, v. 2, p. 940

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5/18/19	0:45					unknown														small	ESPHVO, v. 2, p. 944
5/23/19	16:53					unknown														small	ESPHVO, v. 2, p. 944
5/24/19	23:58					unknown														very trivial	ESPHVO, v. 2, p. 947
5/26/19	21:18					unknown														very trivial	ESPHVO, v. 2, p. 947
5/27/19	6:44					unknown														very trivial	ESPHVO, v. 2, p. 947
5/27/19	16:03					unknown														very trivial	ESPHVO, v. 2, p. 947
5/30/19	17:15					unknown														very trivial	ESPHVO, v. 2, p. 947
5/31/19	1:49					unknown														slight	ESPHVO, v. 2, p. 947
5/31/19	17:16					unknown														slight	ESPHVO, v. 2, p. 947
6/2/19	16:14					hilea?					38.0	slight?	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
6/3/19	1:38					unknown														slight	ESPHVO, v. 2, p. 951
6/5/19	22:15					unknown														slight	ESPHVO, v. 2, p. 951
6/6/19	16:50					unknown														slight	ESPHVO, v. 2, p. 951
6/8/19	4:49					unknown														slight	ESPHVO, v. 2, p. 953
6/9/19	10:53					unknown						s?								pronounced	not found on Hon film record; ESPHVO, v. 2, p. 953; not found in HDT, HH or DPH
6/11/19	2:06					unknown														slight	ESPHVO, v. 2, p. 953
6/12/19	19:23					unknown														slight	ESPHVO, v. 2, p. 953
6/16/19	3:10					unknown														slight	ESPHVO, v. 2, p. 956
6/18/19	12:53					unknown														Warshauer notes: earthquakes [associated with continuing subsidence of Halemaumau lava lake] are all slight	ESPHVO, v. 2, p. 956; HDT, 6/17/1919
6/21/19	20:26					unknown														slight	ESPHVO, v. 2, p. 961
6/23/19	18:56					unknown														slight	ESPHVO, v. 2, p. 961
6/26/19	19:37					unknown													felt	pronounced; felt in Hilo	not found on Hon film record; ESPHVO, v. 2, p. 961; not found in HDT, HH or DPH
6/30/19	14:31					unknown															ESPHVO, v. 2, p. 961
7/2/19	20:29					unknown															ESPHVO, v. 2, p. 963
7/3/19	14:35					unknown															ESPHVO, v. 2, p. 963
7/5/19	21:51					unknown														slight	ESPHVO, v. 2, p. 968
7/7/19	2:20					unknown														slight	ESPHVO, v. 2, p. 968
7/11/19	17:24					unknown						s?								pronounced	not found on Hon film record; ESPHVO, v. 2, p. 968
7/13/19	0:18					unknown															ESPHVO, v. 2, p. 969
7/19/19	19:03					unknown														slight	ESPHVO, v. 2, p. 994
7/20/19	18:30					unknown														2 quakes	ESPHVO, v. 2, p. 994
7/22/19	17:43					unknown															ESPHVO, v. 2, p. 994
7/28/19	19:39					unknown															ESPHVO, v. 2, p. 995
7/29/19	23:05					unknown															ESPHVO, v. 2, p. 995
7/30/19	5:57					unknown															ESPHVO, v. 2, p. 995
7/31/19	20:06					unknown															ESPHVO, v. 2, p. 995
8/1/19	7:42					unknown															ESPHVO, v. 2, p. 995
8/3/19	10:36					unknown															ESPHVO, v. 2, p. 995
8/3/19	10:43					unknown															ESPHVO, v. 2, p. 995
8/4/19	7:53					unknown															ESPHVO, v. 2, p. 995
8/4/19	15:53					unknown						s?								pronounced	not found on Hon film record; ESPHVO, v. 2, p. 995
8/12/19	21:33					unknown														slight	ESPHVO, v. 2, p. 995
8/13/19	0:56					unknown						m								moderate	not found on Hon film record; ESPHVO, v. 2, p. 995
8/13/19	1:02					unknown						m								moderate	not found on Hon film record; ESPHVO, v. 2, p. 995

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
8/13/19	23:36					unknown														2 slight quakes	ESPHVO, v. 2, p. 995
8/14/19	11:37					unknown						m								moderate	not found on Hon film record; ESPHVO, v. 2, p. 995
8/15/19	2:12					unknown														slight	ESPHVO, v. 2, p. 995
8/18/19	10:55					unknown														slight	ESPHVO, v. 2, p. 995
8/26/19	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
8/31/19	23:44					unknown													felt	felt locally	ESPHVO, v. 2, p. 999
9/14/19	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
9/14/19	17:20					hilea?						st		do	do	W&K	do	do	VII (Kau)	Warshauer notes: [an] extremely heavy earthquake shock felt throughout the island of Hawaii, Maui and Honolulu; ground motion continued for one hour, slow swaying like teleseism; 22 hours of aftershocks in Hilo; probably deep-seated; see also bib	PCA, 9/18, 28/919; HDT, 9/16/1919
9/14/19	17:20					hilea?						st		do	do	W&K	do	do	VII (Kau)	Warshauer notes: quake felt distinctly at Hilo, courthouse swayed, bottles off shelves, plate glass window broken, strongly felt at Volcano House, which swayed, and Halemaumau, loss of huge cliff of lava; general panic in Hilo	DPH, 9/15/1919; HH, 9/19/1919; not found in MN
9/14/19	17:35					hilea?													felt	aftershock; felt at Hilea, light, lasting 2 seconds	ESPHVO, v. 2, p. 1002
9/14/19	17:45					hilea?													felt	aftershock; felt at Hilea, medium, lasting 3 seconds	ESPHVO, v. 2, p. 1002
9/14/19	17:55					hilea?													felt	aftershock; felt at Hilea, medium, lasting 2 seconds	ESPHVO, v. 2, p. 1002
9/14/19	18:28					hilea?													felt	aftershock; felt at Hilea, heavy, lasting 3 seconds	ESPHVO, v. 2, p. 1002
9/14/19	18:43					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1002
9/14/19	18:45					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1002
9/14/19	18:58					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1002
9/14/19	19:05					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1002
9/14/19	19:07					hilea?													felt	aftershock; felt at Hilea, medium, lasting 1 second	ESPHVO, v. 2, p. 1002
9/14/19	20:08					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/14/19	20:23					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/14/19	21:31					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/14/19	21:39					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/14/19	22:03					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/15/19	4:27					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/15/19	6:49					hilea?													felt	aftershock; felt at Hilea, medium, lasting 2 seconds	ESPHVO, v. 2, p. 1005
9/15/19	11:06					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/15/19	15:13					hilea?													felt	aftershock, felt at Hilea, light	ESPHVO, v. 2, p. 1005
9/18/19	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
9/26/19	14:20					ml swr?					38.0	s	4.31				4.31	nomo		slight	ESPHVO, v. 2, p. 1008
9/26/19	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
9/26/19	18:00					ml swr														Mauna Loa eruption upper southwest rift zone begins	ESPHVO, v. 2, p. 1005; PCA, 9/28/1919
9/27/19	10:04					ml swr?					47.0	f	3.91				3.91	nomo		feeble	ESPHVO, v. 2, p. 1025

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
9/29/19	1:45					ml swr														slight	ESPHVO, v. 2, p. 1010-1011; Mauna Loa eruption on lower southwest rift zone begins; [in the many newspaper articles that track the eruption there is practically no mention of earthquakes]
9/30/19	4:35					ml swr?					52.0	s	4.52				4.52	nomo		slight	ESPHVO, v. 2, p. 1025
10/2/19	am																			Warshauer notes: tsunami sweeps along Kona coast; attributed to submarine volcanic action, or effect of 1919 Mauna Loa lava going into the sea; wave heights 4-15 feet	HDT, 10/3/1919
10/5/19	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
10/6/19	4:13					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1025
10/7/19	3:40					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1025
10/7/19	5:36					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1025
10/7/19	13:46					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1025
10/7/19	17:40					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1025
10/7/19	17:44					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1025
10/9/19	4:25					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1025
10/9/19	6:40					hilea?					47.0	m	4.95	<5.0			4.95	nomo			not found on Hon film; ESPHVO, v. 2, p. 1025
10/9/19	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
10/9/19	12:30					hilea?					47.0	s	4.45				4.45	nomo		and two other slight quakes	ESPHVO, v. 2, p. 1025
10/10/19	14:20					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1025
10/11/19	1:00					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/11/19	1:50					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/11/19	2:15					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/11/19	17:35					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/11/19	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
10/12/19	10:25					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/12/19	10:40					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/12/19	10:50					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/12/19	23:48					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/13/19	11:25					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/13/19	15:30					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/13/19	16:00					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/13/19	18:15					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/13/19	18:30					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/13/19	18:48					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/13/19	21:30					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/14/19	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
10/14/19	4:20					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/14/19	4:25					hilea?					47.0	f	3.91				3.91	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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/14/19	6:48					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/14/19	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
10/14/19	9:20					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/14/19	11:24					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/14/19	13:40					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/14/19	13:50					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/14/19	13:52					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/14/19	14:10					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/14/19	16:47					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/14/19	23:03					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/14/19	23:06					hilea?					47.0	s	4.45				4.45	nomo		and three other small disturbances	ESPHVO, v. 2, p. 1031
10/15/19	8:28					hilea?					47.0	m-st	4.99	<5.0			4.99	nomo	IV (R-F)?	moderate[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]; 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
10/15/19	10:20					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/15/19	11:10					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/15/19	13:35					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/15/19	15:40					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/15/19	19:01					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/15/19	20:40					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/16/19	4:15					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/16/19	5:25					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/16/19	7:20					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/16/19	7:30					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/16/19	7:40					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/16/19	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
10/16/19	9:05					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/16/19	11:17					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/16/19	14:50					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/16/19	15:35					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/16/19	17:30					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/16/19	18:40					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/16/19	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
10/16/19	20:25					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/17/19	5:40					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/17/19	8:05					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/17/19	8:18					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1031
10/17/19	8:35					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1031
10/17/19	20:30					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/17/19	20:35					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1031
10/17/19	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
10/17/19	23:59					hilea?					47.0								felt	4 shocks felt at Hilea, 1-3 sec duration	ESPHVO, v. 2, p. 1026
10/18/19	9:10					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/18/19	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
10/18/19	15:20					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/18/19	15:25					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/18/19	16:15					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/18/19	23:30					hilea?					47.0	vf	2.89				2.89	nomo		And two other small disturbances	ESPHVO, v. 2, p. 1033
10/19/19	3:50					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1033
10/19/19	6:45					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/19/19	7:05					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/19/19	7:10					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1033
10/19/19	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
10/19/19	14:35					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/19/19	16:00					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/19/19	20:00					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/19/19	20:35					hilea?					47.0	vf	2.89				2.89	nomo		And two other small disturbances	ESPHVO, v. 2, p. 1033
10/20/19	3:55					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/20/19	9:55					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/20/19	11:30					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/20/19	11:45					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/20/19	14:45					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/20/19	15:05					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/20/19	16:20					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/21/19	0:30					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/21/19	1:02					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/21/19	1:25					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/21/19	3:15					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/21/19	9:20					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/21/19	9:50					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/21/19	11:00					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1033
10/21/19	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
10/21/19	14:45					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/21/19	18:45					hilea?					47.0	vf	2.89				2.89	nomo	felt	weak[ly felt?] at Hilea	ESPHVO, v. 2, p. 1033; not recorded at Whitney
10/21/19	21:30					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/22/19	1:10					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/22/19	3:02					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/22/19	3:15					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/22/19	3:25					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/22/19	6:50					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1033
10/22/19	11:07					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1033
10/22/19	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
10/22/19	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
10/22/19	19:00					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1034
10/22/19	23:24					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1034
10/23/19	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
10/23/19	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
10/24/19	6:05					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1034
10/24/19	6:15					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1034

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/24/19	12:30					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1034
10/24/19	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
10/24/19	15:35					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1034
10/24/19	15:40					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1034
10/25/19	7:03					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/25/19	9:48					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/25/19	9:57					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/25/19	13:20					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/25/19	16:30					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/25/19	20:00					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/19	3:40					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/26/19	4:05					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/26/19	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
10/26/19	7:15					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/19	9:58					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/19	10:47					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/26/19	10:49					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/19	12:48					hilea?					47.0	s	4.45				4.45	nomo		listed in error as AM	ESPHVO, v. 2, p. 1043
10/26/19	13:30					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/26/19	15:17					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/26/19	18:00					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/26/19	19:02					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/19	20:10					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/26/19	20:43					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/27/19	1:30					hilea?					47.0	s	4.45				4.45	nomo			ESPHVO, v. 2, p. 1043
10/27/19	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
10/27/19	9:08					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/28/19	4:25					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/28/19	14:07					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/28/19	15:25					hilea?					47.0	very light	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/28/19	18:35					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/28/19	23:10					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/29/19	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
10/29/19	6:45					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/29/19	13:17					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/29/19	13:19					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/29/19	14:20					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1043
10/29/19	19:39					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/29/19	19:43					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/30/19	15:45					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/30/19	16:10					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/31/19	4:10					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1043
10/31/19	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
11/1/19	5:35					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1048
11/1/19	19:50					hilea?					47.0	light	3.91				3.91	nomo			ESPHVO, v. 2, p. 1048
11/3/19	7:56					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1048
11/5/19																				November 4-5, 1919; approximate end of Mauna Loa southwest rift eruption	ESPHVO, v. 2, p. 1045
11/6/19	17:03					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1048

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
11/11/19	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
11/12/19	9:17					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/12/19	9:27					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/12/19	9:32					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/12/19	9:53					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/12/19	10:40					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/12/19	12:00					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/12/19	18:44					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/13/19	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
11/13/19	15:49					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1050
11/14/19	3:30					hilea?					47.0	vf-f?	3.64				3.64	nomo	II; I (R-F) at Hilea	felt at Hilea	3 sec duration; ESPHVO, v. 2, p. 1050; not reported at Whitney
11/14/19	23:32					hilea?					47.0	vf?	2.89				2.89	nomo		well-defined	ESPHVO, v. 2, p. 1055
11/15/19	21:30					hilea?					47.0	vf?	2.89				2.89	nomo	felt	felt	ESPHVO, v. 2, p. 1055
11/16/19	0:45					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1055
11/16/19	4:05					hilea?					47.0	f	3.91				3.91	nomo			ESPHVO, v. 2, p. 1055
11/16/19	17:42					hilea?					47.0	vf	2.89				2.89	nomo			ESPHVO, v. 2, p. 1055
11/18/19	17:42					unknown						vf									ESPHVO, v. 2, p. 1055
11/22/19	2:37					unknown						vf									ESPHVO, v. 2, p. 1059
11/23/19	10:35					unknown						vf									ESPHVO, v. 2, p. 1059
11/25/19	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
11/26/19	3:20					unknown						s									ESPHVO, v. 2, p. 1059
11/26/19	15:16					unknown						f									ESPHVO, v. 2, p. 1059
11/27/19	3:42					unknown						f							felt	felt in Hilea	ESPHVO, v. 2, p. 1059
11/28/19	4:11					kl mer?													felt	earthquake swarm (over 200 shocks associated with draining of Halemaumau lava lake; continuous activity from 1:42 to 4:11 am, with 75 shocks felt between 1:58 and 4:00 am, over by daylight; end of postal rift eruption in Kilauea caldera	ESPHVO, v. 2, p. 1057, 1059
11/28/19	4:11					do													felt	Warshauer notes: Sharp local earthquakes, strongly and almost continuously felt at the Volcano House and at 29-miles, preceded and accompanied collapse of Halemaumau; 32 shocks beginning at 1:25 a.m.; lake dropped 400 feet; 10 earthquakes felt in Hilo	PCA, 11/29/1919; DPH, 11/28/1919; HDT, 11/29/1919; HSB, 11/28/1919; not in HH; pref mag calc as a Richter distribution with 250 events, b = 1.0; shocks felt in Hilo range from M3.6-M4.6; assume middle east rift zone intrusion with south flank response
11/28/19	8:58					kl mer?					21.0	f	3.35				3.35	nomo			ESPHVO, v. 2, p. 1059
11/28/19	9:02					kl mer?					21.0	f	3.35				3.35	nomo			ESPHVO, v. 2, p. 1059
11/28/19	12:45					kl mer?					21.0	f	3.35				3.35	nomo			ESPHVO, v. 2, p. 1059
11/28/19	18:57					kl mer?					21.0	f	3.35				3.35	nomo			ESPHVO, v. 2, p. 1059
11/28/19	20:39					kl mer?					21.0	f	3.35				3.35	nomo			ESPHVO, v. 2, p. 1059
11/29/19	3:49					kilauea?						m		<5.4							not found on Hon film record; ESPHVO, v. 2, p. 1065
11/30/19	22:30					kilauea?						m		<5.2							not found on Hon film record; ESPHVO, v. 2, p. 1065
12/1/19	3:28					kilauea?						s								Hilo seismometer begins operation	ESPHVO, v. 2, p. 1065
12/1/19	9:26					kilauea?						vf									ESPHVO, v. 2, p. 1065
12/2/19	5:36					kilauea?													felt	felt	ESPHVO, v. 2, p. 1065

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
12/3/19	22:23					kilauea?						vf									ESPHVO, v. 2, p. 1065
12/4/19	2:02					kilauea?						light									ESPHVO, v. 2, p. 1065
12/9/19	18:29					kilauea?						vf									ESPHVO, v. 2, p. 1069
12/9/19	23:28					kilauea?						vf									ESPHVO, v. 2, p. 1069
12/10/19	12:45					kilauea?						vf									ESPHVO, v. 2, p. 1069
12/12/19	12:02					kilauea?						vf									ESPHVO, v. 2, p. 1069
12/12/19	22:07					kilauea?						vf									ESPHVO, v. 2, p. 1069
12/13/19	7:50					kilauea?						vf									ESPHVO, v. 2, p. 1074
12/15/19	10:30					kl swr															ESPHVO, v. 2, p. 1071-1077; crisis associated with the beginning of eruption on Kilauea's southwest rift zone
12/15/19	10:50					kl cal 0-5?													felt	small quakes felt underfoot, south side of Halemaumau	ESPHVO, v. 2, p. 1071
12/15/19	10:56					kl swr?		3		5.0	5.8	f	2.46				2.46	nomo		and four tremors	ESPHVO, v. 2, p. 1074
12/15/19	11:25					kl swr														fissures open and eruption starts on SW rift zone; Halemaumau lava lake drains down to elevation of SW rift fissures, indicating hydraulic connection	ESPHVO, v. 2, p. 1071
12/15/19	13:30					kl swr		3		7.0	7.6	f	2.64				2.64	nomo	felt	earthquake swarm, 18 of which were felt [none felt at Hilea; associated with continuing eruption on Kilauea's southwest rift zone; b-value of 1.34 calculated--good fit to higher magnitudes, feeble deficient by 35, vf deficient by 1480]	ESPHVO, v. 2, p. 1074
12/15/19	13:33					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:35					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:36					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	13:37					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:38					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:39					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	13:41					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:42					kl swr		3		7.0	7.6	m-st	3.72				3.72	nomo	felt	felt	ESPHVO, v. 2, p. 1074; see note for 10/5/19
12/15/19	13:45					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:48					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:49					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:51					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:52					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	13:53					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	13:57					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	14:00					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	14:01					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	14:04					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	14:07					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	14:17					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	14:37					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	15:05					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	15:13					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	15:17					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	15:32					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	15:40					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	15:41					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	15:49					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	15:50					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	15:52					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	15:55					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	15:58					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
12/15/19	15:59					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1074
12/15/19	16:01					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1074
12/15/19	16:02					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	16:03					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/15/19	16:04					kl swr		3		7.0	7.6	m-st	3.72				3.72	nomo	felt	felt	ESPHVO, v. 2, p. 1074; see note for 10/5/19
12/15/19	16:06					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	16:07					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1074
12/15/19	16:09					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	small quakes felt about 4:10 PM; felt	ESPHVO, v. 2, p. 1072, 1074
12/15/19	16:11					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:13					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:16					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1077
12/15/19	16:20					kl swr		3		7.0	7.6	m-st	3.72				3.72	nomo	V	small quakes felt about 4:18, associated with landslide on s side of Uwekahuna Bluff; felt	ESPHVO, v. 2, p. 1072, 1077; see note for 10/5/19
12/15/19	16:22					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:26					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:28					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:29					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1077
12/15/19	16:30					kl swr		3		7.0	7.6	f	2.64				2.64	nomo		2 quakes	ESPHVO, v. 2, p. 1077
12/15/19	16:31					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:32					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1077
12/15/19	16:36					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:38					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1077
12/15/19	16:40					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:43					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:48					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:50					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:52					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	16:55					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:05					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:08					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:09					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:14					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:15					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1077
12/15/19	17:17					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:33					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:45					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	17:50					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1077
12/15/19	17:51					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	18:07					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	18:23					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	18:30					kl swr		3		7.0	7.6	very s	2.97				2.97	nomo			ESPHVO, v. 2, p. 1077
12/15/19	18:39					kl swr		3		7.0	7.6	f	2.64				2.64	nomo			ESPHVO, v. 2, p. 1077
12/15/19	19:17					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/15/19	22:02					kl swr		3		7.0	7.6	s	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1077
12/16/19	7:40					kl swr		3		7.0	7.6	vf	1.63				1.63	nomo			ESPHVO, v. 2, p. 1077
12/19/19	6:50					kl swr		3		7.0	7.6	s?	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074, 1077
12/19/19	16:45					kl swr		3		7.0	7.6	s?	3.19				3.19	nomo	felt	felt	ESPHVO, v. 2, p. 1074
12/22/19	22:30					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1082
12/22/19	23:00					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1082
12/23/19	4:18					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1082
12/25/19	1:25					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1082
12/30/19	1:25					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1086
1/3/20	6:30					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1092

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
1/5/20	14:45					kl sf?				19.5	21.5	light	3.09				3.09	desp			ESPHVO, v. 2, p. 1092; amplitude assumed
1/8/20	20:53					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1092
1/10/20	12:56					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1095
1/11/20	11:35					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1095
1/11/20	17:55					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1095
1/14/20	3:18					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1095
1/14/20	17:55					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1095
1/15/20	3:10					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1095
1/15/20	18:15					kl sf?				19.5	21.5	f	3.36				3.36	nomo		2 quakes	ESPHVO, v. 2, p. 1095
1/16/20	8:33					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1095
1/17/20	7:30					kl sf?				19.5	21.5	vf	2.35				2.35	nomo			ESPHVO, v. 2, p. 1100
1/18/20	8:10					kl sf?				19.5	21.5	s?	4.17				4.17	desp	felt	felt at Hilea	ESPHVO, v. 2, p. 1100
1/22/20	23:35					kl sf?				19.5	21.5	f	3.36				3.36	nomo			ESPHVO, v. 2, p. 1100
1/23/20	1:30					kl sf?				19.5	21.5	s	3.91				3.91	nomo			ESPHVO, v. 2, p. 1100
1/23/20	22:40					kl sf?				19.5	21.5	s	3.91				3.91	nomo			ESPHVO, v. 2, p. 1100
1/24/20	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
1/25/20	3:20					kl sf?				19.5	21.5	small	3.69				3.69	desp	felt	felt at Hilea	ESPHVO, v. 2, p. 1103; distance assumed
1/28/20	19:55					kl sf??					22.5	f	3.40				3.40	desp			ESPHVO, v. 2, p. 1103; distance assumed
1/28/20	22:20					kl sf??					22.5	light	3.13				3.13	desp			ESPHVO, v. 2, p. 1103; distance assumed
2/2/20	4:15					kl sf??					22.5	f	3.40				3.40	desp			ESPHVO, v. 2, p. 1108; distance assumed
2/4/20	5:35					kl sf??					22.5	f	3.40				3.40	desp			ESPHVO, v. 2, p. 1108; distance assumed
2/4/20	22:30					kl sf??					22.5	f	3.40				3.40	desp			ESPHVO, v. 2, p. 1108
2/5/20	1:25					kl sf??					24.0	f?	3.44				3.44	nomo			ESPHVO, v. 2, p. 1108
2/8/20	18:16					kl sf??					28.8	light	3.30				3.30	nomo			ESPHVO, v. 2, p. 1111
2/16/20	18:30					south hawaii?						f									ESPHVO, v. 2, p. 1117
2/18/20	22:05					south hawaii?						f									ESPHVO, v. 2, p. 1117
2/25/20	16:20					south hawaii?						f									ESPHVO, v. 2, p. 1120
2/28/20	16:15					south hawaii?						vf									ESPHVO, v. 2, p. 1125
2/28/20	22:25					south hawaii?						m									ESPHVO, v. 2, p. 1125
3/2/20	1:35					south hawaii?						vf									ESPHVO, v. 2, p. 1125
3/2/20	2:50					south hawaii?						vf									ESPHVO, v. 2, p. 1125
3/3/20																				Party visiting Mauna Loa saw glowing cracks	HTH, 3/4/1920
3/11/20	12:30					south hawaii?						f									ESPHVO, v. 2, p. 1128
3/11/20	16:18					south hawaii?						vf									ESPHVO, v. 2, p. 1128
3/11/20	20:07					south hawaii?						f									ESPHVO, v. 2, p. 1128
3/13/20	22:59					kl sf??											3.76	int	IV	strongly felt in Hilo; not recorded because of instrument problems; Warshauer notes: slight shock felt in Hilo, shook furniture, sent people out, not felt at Olaa; preferred magnitude based on felt report-agrees with kl sf distance	not reported in Hon Station Bulletin (Hazard, 1922); looked for, not seen on Hon film record; ESPHVO, v. 2, p. 1130; HDT, 3/14/20; not found in HH or DPH
3/18/20	10:00					south hawaii?						f									ESPHVO, v. 2, p. 1130

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
3/18/20	21:45					south hawaii?						f									ESPHVO, v. 2, p. 1130
3/19/20	20:00					south hawaii?						vf									ESPHVO, v. 2, p. 1130
3/20/20	0:20					south hawaii?						f									ESPHVO, v. 2, p. 1137
3/22/20	15:55					south hawaii?						vf									ESPHVO, v. 2, p. 1137
3/24/20	17:48					south hawaii?						f									ESPHVO, v. 2, p. 1137
3/26/20	5:35					hilea?					48.0	s	4.469				4.47	nomo			ESPHVO, v. 2, p. 1137
3/28/20	17:00					south hawaii?						s									ESPHVO, v. 2, p. 1138
3/30/20	6:15					south hawaii?						f									ESPHVO, v. 2, p. 1138
3/30/20	9:23					kilauea?						m?							felt	felt locally; dismantled instruments	ESPHVO, v. 2, p. 1138
4/3/20	3:20					south hawaii?						f									ESPHVO, v. 2, p. 1146
4/3/20	21:30					south hawaii?						f									ESPHVO, v. 2, p. 1146
4/10/20	9:40					south hawaii?						s									ESPHVO, v. 2, p. 1147
4/14/20	2:05					south hawaii?						vf									ESPHVO, v. 2, p. 1147
4/15/20	8:50					south hawaii?						vf									ESPHVO, v. 2, p. 1147
4/23/20	23:59																			no earthquakes recorded during week ending 4/23/1920	ESPHVO, v. 2, p. 1151
4/30/20	23:59																			no earthquakes recorded during week ending 4/30/1920	ESPHVO, v. 2, p. 1152
5/1/20	15:15					south hawaii?						vf									ESPHVO, v. 2, p. 1155
5/4/20	1:20					unknown						vf									ESPHVO, v. 2, p. 1155
5/8/20	10:25					unknown						f									ESPHVO, v. 2, p. 1157
5/9/20	3:50					unknown						f									ESPHVO, v. 2, p. 1157
5/15/20	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
5/15/20	13:00					unknown						f									ESPHVO, v. 2, p. 1158
5/20/20	3:25					unknown						vf									ESPHVO, v. 2, p. 1158
5/24/20	2:20					unknown						f									ESPHVO, v. 2, p. 1162
5/24/20	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
5/26/20	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
5/30/20	15:45					unknown						f									ESPHVO, v. 2, p. 1167
5/30/20	18:25					unknown						f									ESPHVO, v. 2, p. 1167
6/1/20	2:15					unknown						f									ESPHVO, v. 2, p. 1167

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
6/1/20	10:00					unknown						light									ESPHVO, v. 2, p. 1167
6/1/20	17:40					unknown						f									ESPHVO, v. 2, p. 1167
6/9/20	12:25					unknown						f									ESPHVO, v. 2, p. 1168
6/13/20	12:20					east hawaii						s							felt	felt in Hilo	ESPHVO, v. 2, p. 1170
6/13/20	13:45					unknown						vf									ESPHVO, v. 2, p. 1170
6/14/20	8:00					unknown						vf									ESPHVO, v. 2, p. 1170
6/19/20	5:50					unknown						vf									ESPHVO, v. 2, p. 1171
6/19/20	12:15					unknown						vf									ESPHVO, v. 2, p. 1171
6/19/20	19:00					unknown						vf									ESPHVO, v. 2, p. 1171
6/22/20	7:15					unknown						f									ESPHVO, v. 2, p. 1171
6/22/20	14:25					unknown						vf									ESPHVO, v. 2, p. 1171
6/23/20	12:40					unknown						f									ESPHVO, v. 2, p. 1171
6/30/20	5:40					unknown						vf									ESPHVO, v. 2, p. 1175
7/1/20	3:15					unknown						f									ESPHVO, v. 2, p. 1175
7/6/20	3:20					kilauea											3.76	int	IV	felt, waking some sleepers	ESPHVO, v. 2, p. 1181
7/7/20	6:50					unknown						f									ESPHVO, v. 2, p. 1181
7/10/20	4:30					unknown						f									ESPHVO, v. 2, p. 1182
7/10/20	23:10					unknown						f									ESPHVO, v. 2, p. 1182
7/18/20	21:10					unknown						vf									ESPHVO, v. 2, p. 1186
7/20/20	15:10					unknown						vf									ESPHVO, v. 2, p. 1186
7/25/20	1:41					unknown						vf									ESPHVO, v. 2, p. 1187
7/28/20																				Kilauea southwest rift eruption (Mauna Iki) ends near July 28, 1920	ESPHVO, v. 2, p. 1187
7/30/20	7:13					unknown						vf									ESPHVO, v. 2, p. 1187
8/6/20	17:50					unknown						vf									ESPHVO, v. 2, p. 1190
8/7/20	23:00					unknown						f								Activity at Mauna Iki renewed briefly sometime during this week; end of eruption no later than August 15, 1920	ESPHVO, v. 2, p. 1191-1192
8/11/20	15:30					unknown						vf									ESPHVO, v. 2, p. 1191-1192
8/12/20	4:50					unknown						f									ESPHVO, v. 2, p. 1191-1192
8/13/20	1:10					unknown						vf									ESPHVO, v. 2, p. 1191-1192
8/13/20	16:35					unknown						vf									ESPHVO, v. 2, p. 1191-1192
8/16/20	13:15					unknown						f									ESPHVO, v. 2, p. 1195
8/16/20	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
8/17/20	13:10					unknown						vf									ESPHVO, v. 2, p. 1195
8/22/20	22:00					unknown						f									ESPHVO, v. 2, p. 1197
8/22/20	23:58					unknown						vf									ESPHVO, v. 2, p. 1197
8/23/20	6:45					south hawaii					19.2	s	3.833				3.83	nomo			ESPHVO, v. 2, p. 1197
8/26/20	16:21					unknown						vf									ESPHVO, v. 2, p. 1197
8/27/20	3:20					unknown						vf									ESPHVO, v. 2, p. 1197
8/28/20	3:45					unknown						f									ESPHVO, v. 2, p. 1202
8/28/20	4:55					unknown						f									ESPHVO, v. 2, p. 1202
9/2/20	18:50					unknown															ESPHVO, v. 2, p. 1202
9/5/20	12:50					unknown						f									ESPHVO, v. 2, p. 1204
9/9/20	23:59					hilea?					43.2	s	4.396				4.40	nomo			ESPHVO, v. 2, p. 1204
9/17/20	8:05					unknown						f									ESPHVO, v. 2, p. 1210
9/21/20	10:40					unknown						vf									ESPHVO, v. 2, p. 1213
9/28/20	6:40					south hawaii					20.8	s?	3.888				3.89	poor	II?	felt locally	ESPHVO, v. 2, p. 1215
9/29/20	14:20					unknown						s									ESPHVO, v. 2, p. 1215
9/29/20	19:49					unknown						vf									ESPHVO, v. 2, p. 1215

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
10/3/20	11:56					unknown						vf									ESPHVO, v. 2, p. 1220
10/3/20	23:30					south hawaii					22.4	s	3.94				3.94	nomo			ESPHVO, v. 2, p. 1220
10/5/20	4:28					unknown						vf								2 quakes	ESPHVO, v. 2, p. 1220
10/5/20	21:44					unknown						vf									ESPHVO, v. 2, p. 1220
10/8/20	2:11					unknown						f									ESPHVO, v. 2, p. 1220
10/9/20	1:21					unknown						f									ESPHVO, v. 2, p. 1222
10/9/20	4:43					unknown						vf									ESPHVO, v. 2, p. 1222
10/10/20	10:14					unknown						vf									ESPHVO, v. 2, p. 1222
10/11/20	7:16					unknown						vf									ESPHVO, v. 2, p. 1222
10/12/20	9:10					unknown						vf									ESPHVO, v. 2, p. 1222
10/12/20	22:02					unknown						vf									ESPHVO, v. 2, p. 1222
10/13/20	20:50					unknown						vf									ESPHVO, v. 2, p. 1222
10/16/20	11:26					unknown						vf									ESPHVO, v. 2, p. 1228
10/16/20	12:55					unknown						vf									ESPHVO, v. 2, p. 1228
10/16/20	17:58					unknown						f									ESPHVO, v. 2, p. 1228
10/17/20	0:45					unknown						vf									ESPHVO, v. 2, p. 1228
10/17/20	23:27					unknown						f									ESPHVO, v. 2, p. 1228
10/19/20	9:12					south hawaii					28.8	vf	2.553				2.55	nomo			ESPHVO, v. 2, p. 1228
10/19/20	11:28					unknown						vf									ESPHVO, v. 2, p. 1228
10/19/20	18:37					unknown						vf									ESPHVO, v. 2, p. 1228
10/19/20	23:43					unknown						vf									ESPHVO, v. 2, p. 1228
10/20/20	21:32					unknown						vf									ESPHVO, v. 2, p. 1228
10/21/20	5:22					south hawaii					30.4	vf	2.591				2.59	nomo			ESPHVO, v. 2, p. 1228
10/22/20	4:41					unknown						vf									ESPHVO, v. 2, p. 1228
10/22/20	16:36					unknown						vf									ESPHVO, v. 2, p. 1228
10/22/20	19:37					unknown						vf									ESPHVO, v. 2, p. 1228
10/23/20	13:54					kl cal 05-10?					8.0	s?	3.224				3.22	nomo	II?	felt locally	ESPHVO, v. 2, p. 1232; amplitude assumed from felt report
10/23/20	22:20					unknown						vf									ESPHVO, v. 2, p. 1232
10/23/20	23:23					south hawaii					22.4	f	3.394				3.39	nomo			ESPHVO, v. 2, p. 1232
10/24/20	6:28					unknown						vf									ESPHVO, v. 2, p. 1232
10/25/20	3:06					unknown						vf									ESPHVO, v. 2, p. 1232
10/25/20	4:50					unknown						vf									ESPHVO, v. 2, p. 1232
10/27/20	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
10/27/20	23:34					unknown						vf									ESPHVO, v. 2, p. 1232
11/2/20	3:23					unknown						vf									ESPHVO, v. 2, p. 1236
11/3/20	9:23					kilauea					16.0	weak; f?	3.16				3.16	desp		SW or NE from Whitney	ESPHVO, v. 2, p. 1236
11/4/20	19:05					unknown						f									ESPHVO, v. 2, p. 1236
11/5/20	1:01					unknown						vf									ESPHVO, v. 2, p. 1236
11/5/20	9:14					unknown						vf									ESPHVO, v. 2, p. 1236
11/5/20	11:40					unknown						vf									ESPHVO, v. 2, p. 1236
11/5/20	14:47					unknown						vf									ESPHVO, v. 2, p. 1236
11/6/20	14:52					unknown						vf									ESPHVO, v. 2, p. 1240
11/7/20	4:11					unknown						vf									ESPHVO, v. 2, p. 1240
11/7/20	4:23					kl sf??					17.6	f	3.227				3.23	nomo			ESPHVO, v. 2, p. 1240
11/7/20	5:53					unknown						vf									ESPHVO, v. 2, p. 1240

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
11/7/20	8:30					kl sf??					17.6	vf	2.211				2.21	nomo			ESPHVO, v. 2, p. 1240
11/7/20	17:14					unknown						f									ESPHVO, v. 2, p. 1240
11/7/20	17:39					unknown						f									ESPHVO, v. 2, p. 1240
11/7/20	18:37					unknown						f									ESPHVO, v. 2, p. 1240
11/9/20	0:53					unknown						vf									ESPHVO, v. 2, p. 1240
11/9/20	6:13					unknown						vf									ESPHVO, v. 2, p. 1240
11/9/20	22:36					unknown						vf									ESPHVO, v. 2, p. 1240
11/11/20	10:20					unknown						very s									ESPHVO, v. 2, p. 1240
11/11/20	13:15					unknown						f									ESPHVO, v. 2, p. 1240
11/12/20	4:46					unknown						vf									ESPHVO, v. 2, p. 1240
11/13/20	3:01					unknown						vf									ESPHVO, v. 2, p. 1244
11/13/20	13:37					unknown						vf									ESPHVO, v. 2, p. 1244
11/13/20	17:03					kl cal 05-10?					6.4	f	2.524				2.52	nomo			ESPHVO, v. 2, p. 1244
11/14/20	23:31					kl sf??					14.4	f	3.09				3.09	nomo			ESPHVO, v. 2, p. 1244
11/15/20	0:42					unknown						vf									ESPHVO, v. 2, p. 1244
11/16/20	2:00					unknown						f									ESPHVO, v. 2, p. 1244
11/16/20	6:11					unknown						vf									ESPHVO, v. 2, p. 1244
11/16/20	9:03					unknown						vf									ESPHVO, v. 2, p. 1244
11/18/20	4:45					unknown						vf									ESPHVO, v. 2, p. 1244
11/20/20	10:18					ml ner?					25.6	very s	3.81				3.81	nomo	felt	felt north of Hilo	ESPHVO, v. 2, p. 1248
11/21/20	2:26					unknown						f									ESPHVO, v. 2, p. 1248
11/22/20	4:56					unknown						f									ESPHVO, v. 2, p. 1248
11/26/20	0:29					unknown						f									ESPHVO, v. 2, p. 1248
11/26/20	23:10					unknown						vf									ESPHVO, v. 2, p. 1248
11/27/20	17:39					unknown						vf									ESPHVO, v. 2, p. 1250
11/29/20	9:36					unknown						vf									ESPHVO, v. 2, p. 1250
12/1/20	5:24					unknown						f									ESPHVO, v. 2, p. 1250
12/1/20	10:01					unknown						f									ESPHVO, v. 2, p. 1250
12/2/20	15:31					unknown						f									ESPHVO, v. 2, p. 1250
12/2/20	23:50					unknown						vf									ESPHVO, v. 2, p. 1250
12/3/20	0:41					unknown						vf									ESPHVO, v. 2, p. 1250
12/3/20	19:30					unknown						vf									ESPHVO, v. 2, p. 1250
12/4/20	2:08					unknown						f									ESPHVO, v. 2, p. 1254
12/4/20	4:20					unknown						f									ESPHVO, v. 2, p. 1254
12/4/20	12:10					unknown						vf									ESPHVO, v. 2, p. 1254
12/5/20	5:03					unknown						vf									ESPHVO, v. 2, p. 1254
12/6/20	5:27					unknown						f									ESPHVO, v. 2, p. 1254
12/6/20	6:05					unknown						f									ESPHVO, v. 2, p. 1254
12/6/20	20:02					unknown						vf									ESPHVO, v. 2, p. 1254
12/7/20	15:40					unknown						vf									ESPHVO, v. 2, p. 1254
12/8/20	6:11					unknown						vf									ESPHVO, v. 2, p. 1254
12/8/20	10:26					unknown						f									ESPHVO, v. 2, p. 1254
12/9/20	0:58					unknown						s									ESPHVO, v. 2, p. 1254
12/9/20	2:42					unknown						vf									ESPHVO, v. 2, p. 1254
12/9/20	7:03					unknown						vf									ESPHVO, v. 2, p. 1254
12/9/20	17:36					unknown						vf									ESPHVO, v. 2, p. 1254
12/9/20	19:08					unknown						vf									ESPHVO, v. 2, p. 1254
12/9/20	22:43					unknown						vf									ESPHVO, v. 2, p. 1254
12/10/20	16:48					unknown						vf									ESPHVO, v. 2, p. 1254
12/11/20	6:20					unknown						f									ESPHVO, v. 2, p. 1258
12/11/20	7:15					unknown						f									ESPHVO, v. 2, p. 1258
12/11/20	18:45					unknown						vf									ESPHVO, v. 2, p. 1258
12/12/20	15:10					unknown						f									ESPHVO, v. 2, p. 1258

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 calc	Milne E-W	M (other)	M (other) source	M (pref)	M (pref) source	I (max)	Location/felt report	Comment
12/13/20	4:20					unknown						vf									ESPHVO, v. 2, p. 1258
12/18/20	11:02					unknown						f									ESPHVO, v. 2, p. 1263
12/18/20	18:42					unknown						vf									ESPHVO, v. 2, p. 1263
12/19/20	1:49					unknown						vf									ESPHVO, v. 2, p. 1263
12/19/20	11:56					unknown						f									ESPHVO, v. 2, p. 1263
12/20/20	5:47					unknown						vf									ESPHVO, v. 2, p. 1263
12/20/20	14:49					unknown						f									ESPHVO, v. 2, p. 1263
12/21/20	17:27					unknown						f									ESPHVO, v. 2, p. 1263
12/21/20	18:03					unknown						vf									ESPHVO, v. 2, p. 1263
12/21/20	19:37					unknown						vf									ESPHVO, v. 2, p. 1263
12/22/20	18:53					unknown						vf									ESPHVO, v. 2, p. 1263
12/24/20	4:17					unknown						vf									ESPHVO, v. 2, p. 1263
12/30/20	12:36					unknown						f									ESPHVO, v. 2, p. 1267
1/1/21	20:54					unknown						vf									ESPHVO, v. 3, p. 21
1/5/21	5:04					kaoiki?					22.0	s	3.93				3.93	nomo	felt	felt at Kapapala	ESPHVO, v. 3, p. 21; distance assumed
1/10/21	22:24					unknown						vf									ESPHVO, v. 3, p. 21
1/14/21	17:54					unknown						vf									ESPHVO, v. 3, p. 21
1/17/21	11:37					south hawaii					22.0	s	3.93				3.93	nomo		distance 22 km?	ESPHVO, v. 3, p. 21
1/19/21	22:33					unknown						vf									ESPHVO, v. 3, p. 21
1/23/21	21:33					unknown						vf									ESPHVO, v. 3, p. 21
1/28/21	12:45					unknown						vf									ESPHVO, v. 3, p. 21
1/29/21	3:56					unknown						vf									ESPHVO, v. 3, p. 21
1/31/21	0:25					kl cal 0-5?					3.6	vf	1.11				1.11	nomo		source nearby; azimuth NW-SE	ESPHVO, v. 3, p. 21
1/31/21	12:25					unknown						vf									ESPHVO, v. 3, p. 21
2/1/21																					Milne instrument on Oahu replaced by 2-component Milne-Shaw seismometer in February 1921