Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
10/4/59	15:37:00	E-W (M-S)	0.9	3.90	1.0	1		4.41	4.28	4.6	hvo					
10/4/59	15:37:00	N-S (M-S)	0.5	3.90	1.0	1		4.15	4.28	4.6	hvo					
10/4/59	15:37:00	SP Vert (HTL)	10.0	3.90	1.0	1	light trace-min reading	3.73	4.28	4.6	hvo					
10/21/59	13:10:00	E-W (M-S)	0.8	2.60	1.0	1		3.06				oahu-ulupau head			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; IV-V
10/21/59	13:10:00	N-S (M-S)	1.0	2.60	1.0	1		3.16				oahu-ulupau head			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; IV-V
10/21/59	13:10:00	SP Vert (HTL)	5.0	2.60			offscale; minimum mag	2.64				oahu-ulupau head			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; IV-V
11/11/59	17:22:00	E-W (M-S)		3.90			no trace		>3.63	4.3	hvo					
11/11/59	17:22:00	N-S (M-S)	0.6	3.90	2.0	2	no trace; threshold mag	3.66	>3.63	4.3	hvo					
11/11/59	17:22:00	SP Vert (HTL)	8.0	3.90	1.0	1	light trace; min amp	4.24	>3.63	4.3	hvo					
11/24/59	4:01:00	E-W (M-S)	2.0	3.85	2.0	2	no trace; threshold mag	4.13	4.40	4.4	hvo					
11/24/59	4:01:00	N-S (M-S)		3.85			unreadable		4.40	4.4	hvo					
11/24/59	4:01:00	SP Vert (HTL)	5.0	3.85	0.7	1		3.80	4.40	4.4	hvo					
12/30/59	23:11:00	E-W (M-S)		4.3			no trace; fuzzy record			4.10	hvo	kl ler sf os				
12/30/59	23:11:00	N-S (M-S)		4.3			no trace; fuzzy record			4.10	hvo	kl ler sf os				
12/30/59	23:11:00	SP Vert (HTL)		4.3			no trace; fuzzy record			4.10	hvo	kl ler sf os				
1/19/60	4:26:00	E-W (M-S)	2.0	4.05	2.0	2	no trace; threshold mag	4.33	4.7	4.7	hvo					
1/19/60	4:26:00	N-S (M-S)		4.05			no trace		4.7	4.7	hvo					
1/19/60	4:26:00	SP Vert (HTL)	2.5	4.05	0.5	1		3.70	4.7	4.7	hvo					
1/29/60	19:10:00	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22		4.20	hvo	kl cal 05-10				
1/29/60	19:10:00	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12		4.20	hvo					
1/29/60	19:10:00	SP Vert (HTL)	5.0	4.3	0.5	1		4.51		4.20	hvo					
1/29/60	19:10:00	E-W (M-S)		4.3			no repeat			4.20	hvo	kl cal 05-10				
1/29/60	19:10:00	N-S (M-S)		4.3			no repeat			4.20	hvo					
1/29/60	19:10:00	SP Vert (HTL)	4.0	4.3	1.0	1	repeat	4.41		4.20	hvo					
2/13/60	02:34:00	E-W (M-S)		4.3			no trace			4.10	hvo	kl kuer sf				
2/13/60	02:34:00	N-S (M-S)		4.3			no trace			4.10	hvo					
2/13/60	02:34:00	SP Vert (HTL)	1.0	4.3	1.0	1	no trace; threshold mag	3.81		4.10	hvo					
3/8/60	19:51:00	E-W (M-S)	0.6	4.3	2.0	2	no trace; threshold mag	4.06		4.10	hvo	kl ler os				
3/8/60	19:51:00	N-S (M-S)		4.3			no trace			4.10	hvo					
3/8/60	19:51:00	SP Vert (HTL)	0.6	4.3	0.5	1	no trace; threshold mag	3.59		4.10	hvo					
3/24/60	03:52:00	E-W (M-S)		4.3			no trace			4.00	hvo	kl cal deep				
3/24/60	03:52:00	N-S (M-S)		4.3			no trace			4.00	hvo					
3/24/60	03:52:00	SP Vert (HTL)	0.5	4.3	0.5	1	no trace; threshold mag	3.36		4.00	hvo					
4/29/60	16:13:00	E-W (M-S)	1.0	4.05	2.0	2	no trace; threshold mag; high frequency seismogram	4.03	4.70	4.7	hvo					
4/29/60	16:13:00	N-S (M-S)	1.0	4.05	2.0	2	no trace; threshold mag	4.03	4.70	4.7	hvo					
4/29/60	16:13:00	SP Vert (HTL)	3.0	4.05	0.5	1	min amp	3.22	4.70	4.7	hvo					
5/8/60	16:28:00	E-W (M-S)	1.2	4.10	1.0	1		4.73	4.49	4.5	hvo					

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
5/8/60	16:28:00	N-S (M-S)	0.4	4.10	1.0	1		4.26	4.49	4.5	hvo					
5/8/60	16:28:00	SP Vert (HTL)	10.0	4.10	0.5	1	light trace; min amp	4.61	4.49	4.5	hvo					
5/12/60	21:18:00	E-W (M-S)	0.5	4.3	1.0	1		4.55		4.30	hvo	kl cal deep				
5/12/60	21:18:00	N-S (M-S)	0.8	4.3	1.0	1		4.76		4.30	hvo					
5/12/60	21:18:00	SP Vert (HTL)	8.0	4.3	0.5	1	light trace; min mag	4.56		4.30	hvo					
6/7/60	22:19:00	E-W (M-S)		4.30			no film record			4.1	hvo					
6/7/60	22:19:00	N-S (M-S)		4.30			no film record			4.1	hvo					
6/7/60	22:19:00	SP Vert (HTL)		4.30			no film record			4.1	hvo					
6/20/60	22:58:00	E-W (M-S)		4.10			no film record			4.5	hvo					
6/20/60	22:58:00	N-S (M-S)		4.10			no film record			4.5	hvo					
6/20/60	22:58:00	SP Vert (HTL)		4.10			no film record			4.5	hvo					
6/20/60	23:14:00	E-W (M-S)		4.3			no film record			4.30	hvo	kl swr				
6/20/60	23:14:00	N-S (M-S)		4.3			no film record			4.30	hvo					
6/20/60	23:14:00	SP Vert (HTL)		4.3			no film record			4.30	hvo					
6/21/60	20:56:00	E-W (M-S)		4.3			no film record			4.30	hvo	kl swr				
6/21/60	20:56:00	N-S (M-S)		4.3			no film record			4.30	hvo					
6/21/60	20:56:00	SP Vert (HTL)		4.3			no film record			4.30	hvo					
8/4/60	15:32:00	E-W (M-S)		4.05			no trace			4.0	hvo					
8/4/60	15:32:00	N-S (M-S)	0.3	4.05	1.0	1	detected	4.08		4.0	hvo					
8/4/60	15:32:00	SP Vert (HTL)	10.0	4.05	0.5	1	light trace; min amp	4.33		4.0	hvo					
8/11/60	11:47:00	E-W (M-S)		4.10			no film record			4.0	hvo					
8/11/60	11:47:00	N-S (M-S)		4.10			no film record			4.0	hvo					
8/11/60	11:47:00	SP Vert (HTL)		4.10			no film record			4.0	hvo					
8/29/60	4:00:00	E-W (M-S)	0.8	3.85	1.0	1		4.31	4.15	4.0	hvo					
8/29/60	4:00:00	N-S (M-S)	0.8	3.85	1.0	1		4.31	4.15	4.0	hvo					
8/29/60	4:00:00	SP Vert (HTL)	9.0	3.85	0.5	1	light trace; min amp	4.31	4.15	4.0	hvo					
9/13/60	15:35:00	E-W (M-S)	0.6	2.20	1.5	1.5	no trace; threshold mag	2.20				oahu			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; III
9/13/60	15:35:00	N-S (M-S)	0.5	2.20	1.5	1.5	no trace; threshold mag	2.12				oahu			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; III
9/13/60	15:35:00	SP Vert (HTL)	0.6	2.20	1.0	1	no trace; threshold mag	1.32				oahu			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; III
9/13/60	15:35:00	E-W (M-S)	0.4	2.20	1.5	1.5	repeat; no trace; threshold mag	2.02								
9/13/60	15:35:00	N-S (M-S)	0.4	2.20	1.5	1.5	repeat; no trace; threshold mag	2.02								
9/13/60	15:35:00	SP Vert (HTL)	0.6	2.20	1.0	1	repeat; no trace; threshold mag	1.32								

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
9/19/60	6:00:00	E-W (M-S)	0.4	4.30	1.0	1	no trace; threshold mag	4.46	4.10	4.1	hvo					
9/19/60	6:00:00	N-S (M-S)	0.5	4.30	1.0	1	no trace; threshold mag	4.55	4.10	4.1	hvo					
9/19/60	6:00:00	SP Vert (HTL)	0.5	4.30	0.5	1	no trace; threshold mag	3.12	4.10	4.1	hvo					
9/26/60	14:25:00	E-W (M-S)	0.4	2.20	1.5	1.5	no trace; threshold mag	2.02				oahu			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; III-IV
9/26/60	14:25:00	N-S (M-S)	0.4	2.20	1.5	1.5		2.02				oahu			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; III-IV
9/26/60	14:25:00	SP Vert (HTL)	0.5	2.20	1	1		1.24				oahu			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; III-IV
10/9/60	3:27:00	E-W (M-S)	0.5	4.20	1.0	1		4.45	4.31	4.3	hvo					
10/9/60	3:27:00	N-S (M-S)	0.4	4.20	1.0	1		4.36	4.31	4.3	hvo					
10/9/60	3:27:00	SP Vert (HTL)	7.0	4.20	0.5	1		3.88	4.31	4.3	hvo					
12/13/60	22:06:00	E-W (M-S)	1.2	4.3	1.0	1	deep	4.93		4.20	hvo	glenwood deep				
12/13/60	22:06:00	N-S (M-S)	1.0	4.3	1.0	1		4.86		4.20	hvo					
12/13/60	22:06:00	SP Vert (HTL)		4.3			record missing			4.20	hvo					
12/13/60	22:08:00	E-W (M-S)	3.5	4.3	1.0	1	deep	5.40		4.30	hvo	kl cal deep				
12/13/60	22:08:00	N-S (M-S)	3.0	4.3	1.0	1		5.33		4.30	hvo					
12/13/60	22:08:00	SP Vert (HTL)		4.3			record missing			4.30	hvo					
12/25/60	12:56:00	E-W (M-S)	3.0	4.3	1.0	1	noisy record	5.33		4.60	hvo	kl swr				
12/25/60	12:56:00	N-S (M-S)	2.0	4.3	1.0	1	noisy record	5.16		4.60	hvo					
12/25/60	12:56:00	SP Vert (HTL)	11.0	4.3	0.5	1		4.85		4.60	hvo					
1/3/61	6:30:00	E-W (M-S)		3.90			no film record			4.0	hvo					
1/3/61	6:30:00	N-S (M-S)		3.90			no film record			4.0	hvo					
1/3/61	6:30:00	SP Vert (HTL)		3.90			no film record			4.0	hvo					
1/7/61	13:57:00	E-W (M-S)		3.95			no film record			4.1	hvo					
1/7/61	13:57:00	N-S (M-S)		3.95			no film record			4.1	hvo					
1/7/61	13:57:00	SP Vert (HTL)		3.95			no film record			4.1	hvo					
1/15/61	10:44:00	E-W (M-S)		4.10			no film record			4.2	hvo					
1/15/61	10:44:00	N-S (M-S)		4.10			no film record			4.2	hvo					
1/15/61	10:44:00	SP Vert (HTL)		4.10			no film record			4.2	hvo					
1/21/61	11:39:00	E-W (M-S)		4.3			no film record			4.80	hvo	kl swr				
1/21/61	11:39:00	N-S (M-S)		4.3			no film record			4.80	hvo					
1/21/61	11:39:00	SP Vert (HTL)		4.3			no film record			4.80	hvo					
4/3/61	10:35:00	E-W (M-S)		4.10			record damaged		4.10	4.1	hvo					
4/3/61	10:35:00	N-S (M-S)	0.3	4.10	1.0	1		4.13	4.10	4.1	hvo					
4/3/61	10:35:00	SP Vert (HTL)	1.0	4.10	0.5	0.5	no trace; threshold mag	3.22	4.10	4.1	hvo					

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
5/19/61	10:31:00	E-W (M-S)	0.3	4.3	1.0	1	no trace; threshold mag	4.33		4.00	hvo	kl cal deep				
5/19/61	10:31:00	N-S (M-S)	0.3	4.3	1.5	1.5	no trace; threshold mag	4.00		4.00	hvo					
5/19/61	10:31:00	SP Vert (HTL)	11.0	4.3	0.5	0.5		4.70		4.00	hvo					
5/19/61	10:31:00	E-W (M-S)		4.3			no repeat			4.00	hvo	kl cal deep				
5/19/61	10:31:00	N-S (M-S)		4.3			no repeat			4.00	hvo					
5/19/61	10:31:00	SP Vert (HTL)	9.0	4.3	1.0	1	repeat	4.61		4.00	hvo					
5/27/61	8:12:00	E-W (M-S)		4.20			no trace			4.1	hvo					
5/27/61	8:12:00	N-S (M-S)	0.5	4.20	2.0	2	no trace; threshold mag	3.88		4.1	hvo					
5/27/61	8:12:00	SP Vert (HTL)	1.0	4.20	0.5	0.5	no trace; threshold mag	3.64		4.1	hvo					
6/29/61	14:09:00	E-W (M-S)	2.0	4.3	1.0	1		5.16		4.20	hvo	kl cal deep				
6/29/61	14:09:00	N-S (M-S)	0.8	4.3	1.0	1		4.76		4.20	hvo					
6/29/61	14:09:00	SP Vert (HTL)	8.0	4.3	0.5	0.5	light trace	4.56		4.20	hvo					
7/23/61	15:24:00	E-W (M-S)	36.0	4.3		3	superposed on teleseism-amp est	5.50	na	4.60	catalog?	kl cal deep			catalog magnitude low	
7/23/61	15:24:00	N-S (M-S)	30.0	4.3		3	film poor-amp est; period short	5.43	na	4.60	catalog?	kl cal deep			catalog magnitude low	
7/23/61	15:24:00	SP Vert (HTL)	110.0	4.3	1.0	1	film time 15:25; s-p = 32 s	5.70	na	4.60	catalog?	kl cal deep			catalog magnitude low	
7/23/61	15:28:00	E-W (M-S)	3.0	4.3		3	film poor-amp est; period short	4.43	na	4.20	catalog?	kl cal deep			mag agreement ok	
7/23/61	15:28:00	N-S (M-S)	3.0	4.3		3	film poor-amp est; period short	4.43	na	4.20	catalog?	kl cal deep			mag agreement ok	
7/23/61	15:28:00	SP Vert (HTL)	62.0	4.3	1.0	1	S-P = 32 sec; duration = 135 s	5.45	na	4.20	catalog?	kl cal deep			mag agreement ok	
7/23/61	15:37:00	E-W (M-S)		4.3			assume no trace		na	3.10	catalog?	kl cal deep				
7/23/61	15:37:00	N-S (M-S)		4.3			no trace		na	3.10	catalog?	kl cal deep				
7/23/61	15:37:00	SP Vert (HTL)	3.0	4.3	1.0	1		4.14	na	3.10	catalog?	kl cal deep				
7/23/61	16:44:00	E-W (M-S)		4.3					na			kl cal deep			not in catalog	
7/23/61	16:44:00	N-S (M-S)		4.3					na			kl cal deep			not in catalog	
7/23/61	16:44:00	SP Vert (HTL)	1.6	4.3	1.0	1		3.86	na			kl cal deep			not in catalog	
8/21/61	9:44:00	E-W (M-S)		3.85			no trace			4.2	hvo	n of kohala				
8/21/61	9:44:00	N-S (M-S)	0.5	3.85	2.0	2	no trace; threshold mag	3.53		4.2	hvo					
8/21/61	9:44:00	SP Vert (HTL)	1.0	3.85	0.5	1	no trace; threshold mag	3.13		4.2	hvo					
8/25/61	18:45:00	E-W (M-S)	4.0	4.10	1.0	1		5.26		4.5	hvo	mauna kea				
8/25/61	18:45:00	N-S (M-S)	2.6	4.10	1.0	1		5.07		4.5	hvo					
8/25/61	18:45:00	SP Vert (HTL)	44.0	4.10	0.5	1		5.25		4.5	hvo					
9/23/61	3:01:00	E-W (M-S)		4.30			no film record			5.8	hvo	130 km s of hawaii				
9/23/61	3:01:00	N-S (M-S)		4.30			no film record			5.8	hvo					
9/23/61	3:01:00	SP Vert (HTL)		4.30			no film record			5.8	hvo					
9/25/61	05:25:00	E-W (M-S)		4.3			no trace		na	3.80	catalog?	glenwood			mag agreement ok	
9/25/61	05:25:00	N-S (M-S)		4.3			no trace		na	3.80	catalog?	glenwood			mag agreement ok	
9/25/61	05:25:00	SP Vert (HTL)		4.3			no trace		na	3.80	catalog?	glenwood			mag agreement ok	
9/25/61	05:28:00	E-W (M-S)		4.3			no record		na	4.50	catalog?	kl mer sf			catalog mag high?	

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
9/25/61	05:28:00	N-S (M-S)		4.3			no record		na	4.50	catalog?	kl mer sf			catalog mag high?	
9/25/61	05:28:00	SP Vert (HTL)		4.3			no record		na	4.50	catalog?	kl mer sf			catalog mag high?	
9/25/61	06:29:00	E-W (M-S)		4.3			no record		na	4.30	catalog?	kl mer sf			catalog mag high?	
9/25/61	06:29:00	N-S (M-S)		4.3			no record		na	4.30	catalog?	kl mer sf			catalog mag high?	
9/25/61	06:29:00	SP Vert (HTL)		4.3			no record		na	4.30	catalog?	kl mer sf			catalog mag high?	
11/22/61	9:22:39.3	E-W (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kl cal deep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kl cal deep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	SP Vert (HTL)	10.0	4.3	1.0	1	s-p = 32 s	4.66	na	3.80	hvo	kl cal deep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	E-W (M-S)		4.3			no repeat		na	3.80	hvo	kl cal deep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	N-S (M-S)		4.3			no repeat		na	3.80	hvo	kl cal deep			catalog mag somewhat low?	hilo, hnp, n kona
11/22/61	9:22:39.3	SP Vert (HTL)	10.0	4.3	1.0	1	repeat	4.66	na	3.80	hvo	kl cal deep			catalog mag somewhat low?	hilo, hnp, n kona
11/24/61	3:14:30.6	E-W (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kl cal deep			mag agreement ok	hnp
11/24/61	3:14:30.6	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kl cal deep			mag agreement ok	hnp
11/24/61	3:14:30.6	SP Vert (HTL)	6.0	4.3	1.0	1		4.44	na	3.80	hvo	kl cal deep			mag agreement ok	hnp
11/24/61	3:14:30.6	E-W (M-S)		4.3			no repeat		na	3.80	hvo	kl cal deep			mag agreement ok	hnp
11/24/61	3:14:30.6	N-S (M-S)		4.3			no repeat		na	3.80	hvo	kl cal deep			mag agreement ok	hnp
11/24/61	3:14:30.6	SP Vert (HTL)	4.0	4.3	1.0	1	repeat	4.26	na	3.80	hvo	kl cal deep			mag agreement ok	hnp
11/25/61	23:26:3.0	E-W (M-S)	0.5	4.3	1.5	1.5	no trace; threshold mag	4.22	na	3.70	hvo	kl cal deep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	N-S (M-S)	0.4	4.3	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kl cal deep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	SP Vert (HTL)	8.0	4.3	1.0	1		4.56	na	3.70	hvo	kl cal deep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	E-W (M-S)		4.3			no repeat		na	3.70	hvo	kl cal deep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	N-S (M-S)		4.3			no repeat		na	3.70	hvo	kl cal deep			catalog mag somewhat low?	n kona, hnp
11/25/61	23:26:3.0	SP Vert (HTL)	9.0	4.3	1.0	1	repeat	4.61	na	3.70	hvo	kl cal deep			catalog mag somewhat low?	n kona, hnp
11/27/61	11:32:00	E-W (M-S)	1.2	3.80	2.0	2	no trace; threshold mag	3.86		5.0	hvo	n of maui			mislocated on hvo net?	
11/27/61	11:32:00	N-S (M-S)	1.2	3.80	2.0	2	no trace; threshold mag	3.86		5.0	hvo					
11/27/61	11:32:00	SP Vert (HTL)	1.0	3.80	1.0	1	no trace; threshold mag	3.05		5.0	hvo					
12/3/61	4:57:59.8	E-W (M-S)	1.0	4.3	1.5	1.5	no trace; threshold mag	4.52	na	3.90	hvo	kl cal deep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	N-S (M-S)	0.6	4.3	1.5	1.5	detected; noise 0.4mm, 1.5s	4.30	na	3.90	hvo	kl cal deep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	SP Vert (HTL)	7.0	4.3	1.0	1	s-p = 32 s	4.51	na	3.90	hvo	kl cal deep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	E-W (M-S)		4.3			no repeat		na	3.90	hvo	kl cal deep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	N-S (M-S)		4.3			no repeat		na	3.90	hvo	kl cal deep			catalog mag low for felt report-4.3?	all hawaii island
12/3/61	4:57:59.8	SP Vert (HTL)	8.0	4.3	1.0	1	repeat	4.56	na	3.90	hvo	kl cal deep			catalog mag low for felt report-4.3?	all hawaii island
12/31/61	18:52:09.9	E-W (M-S)	0.7	4.3	1.5	1.5	noise 0.4mm, 1.5s	4.37	na	3.90	hvo	kl cal deep			mag agreement prob ok	hnp
12/31/61	18:52:09.9	N-S (M-S)	0.7	4.3	1.0	1.5	noise 0.4mm, 1.5s	4.37	na	3.90	hvo	kl cal deep			mag too high-period too low?	hnp
12/31/61	18:52:09.9	SP Vert (HTL)	10.0	4.3		3	s-p approx 33 s	4.66	na	3.90	hvo	kl cal deep				hnp

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
12/31/61	18:52:09.9	E-W (M-S)		4.3			no repeat		na	3.90	hvo	kl cal deep			mag agreement prob ok	hnp
12/31/61	18:52:09.9	N-S (M-S)		4.3			no repeat		na	3.90	hvo	kl cal deep			mag too high-period too low?	hnp
12/31/61	18:52:09.9	SP Vert (HTL)	9.0	4.3	1.0	1	repeat	4.61	na	3.90	hvo	kl cal deep				hnp
1/7/62	12:57:53.4	E-W (M-S)	2.0	4.4	1.5	1.5	no trace; threshold mag	4.92	na	4.00	hvo	kl ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	N-S (M-S)	1.0	4.4	1.5	1.5	no trace; threshold mag	4.62	na	4.00	hvo	kl ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	SP Vert (HTL)	6.0	4.4	1.0	1		4.69	na	4.00	hvo	kl ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	E-W (M-S)		4.4			no repeat		na	4.00	hvo	kl ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	N-S (M-S)		4.4			no repeat		na	4.00	hvo	kl ler sf			mag agreement ok?	all hawaii island
1/7/62	12:57:53.4	SP Vert (HTL)	6.0	4.4	1.0	1	repeat	4.69	na	4.00	hvo	kl ler sf			mag agreement ok?	all hawaii island
2/11/62	2:00:46.6	E-W (M-S)	0.5	4.4	1.5	1.5	no trace; threshold mag	4.32	na	4.00	hvo	kl ler os				
2/11/62	2:00:46.6	N-S (M-S)	0.3	4.4	1.5	1.5	no trace; threshold mag	4.10	na	4.00	hvo	kl ler os				
2/11/62	2:00:46.6	SP Vert (HTL)	0.8	4.4	1.0	1	no trace; threshold mag	3.81	na	4.00	hvo	kl ler os				
3/10/62	9:46:19.0	E-W (M-S)		3.95		3	noisy			4.0	hvo	hualalai				felt-half hawaii island
3/10/62	9:46:19.0	N-S (M-S)		3.95		3	no trace			4.0	hvo	hualalai				felt-half hawaii island
3/10/62	9:46:19.0	SP Vert (HTL)	2.5	3.95	1.0	1	s-p = 27 s	3.79		4.0	hvo	hualalai				felt-half hawaii island
3/24/62	0:56:46.6	E-W (M-S)	2.0	4.2	1.5	1.5		4.72	na	4.40	hvo	kl cal deep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	N-S (M-S)	1.5	4.2	1.0	1		4.93	na	4.40	hvo	kl cal deep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	SP Vert (HTL)		4.2			record missing		na	4.40	hvo	kl cal deep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	E-W (M-S)	1.8	4.2	1.5	1.5	repeaat; noise 0.5mm, 1.5s	4.68	na	4.40	hvo	kl cal deep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	N-S (M-S)	2.0	4.2	1.5	1.5	repeat; noise 0.5mm, 1.5s	4.72	na	4.40	hvo	kl cal deep			hvo mag low	all hawaii island
3/24/62	0:56:46.6	SP Vert (HTL)		4.2			record missing		na	4.40	hvo	kl cal deep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	E-W (M-S)	4.0	4.2	1.0	1		5.36	na	4.50	hvo	kl cal deep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	N-S (M-S)	3.5	4.2	1.0	1	corrected date	5.30	na	4.50	hvo	kl cal deep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	SP Vert (HTL)	14.0	4.2	1.0	1	min. amp; s-p = 33 s	4.71	na	4.50	hvo	kl cal deep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	E-W (M-S)	4.0	4.2	1.0	1	repeat	5.36	na	4.50	hvo	kl cal deep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	N-S (M-S)	3.0	4.2	1.0	1	repeat	5.23	na	4.50	hvo	kl cal deep			hvo mag low	all hawaii island
3/31/62	4:15:55.1	SP Vert (HTL)	13.0	4.2	1.0	1	repeat	4.67	na	4.50	hvo	kl cal deep			hvo mag low	all hawaii island
4/7/62	3:38:02.7	E-W (M-S)		4.25		3	no trace		na	3.80	hvo	kl kuer sf			mag agreement ok	
4/7/62	3:38:02.7	N-S (M-S)		4.25		3	no trace		na	3.80	hvo	kl kuer sf			mag agreement ok	
4/7/62	3:38:02.7	SP Vert (HTL)		4.25		3	no trace-noisy record		na	3.80	hvo	kl kuer sf			mag agreement ok	
4/24/62	13:04:50.1	E-W (M-S)		4.20		3	record missing			4.0	hvo	kaoiki				felt-all hawaii island
4/24/62	13:04:50.1	N-S (M-S)		4.20		3	record missing			4.0	hvo	kaoiki				felt-all hawaii island
4/24/62	13:04:50.1	SP Vert (HTL)		4.20		3	record missing			4.0	hvo	kaoiki				felt-all hawaii island
5/10/62	15:56:04.9	E-W (M-S)	0.5	4.2	1.0	1		4.45	na	4.30	hvo	kl cal deep			later reading; mag agereement ok	all hawaii island
5/10/62	15:56:04.9	N-S (M-S)	0.5	4.2	1.0	1		4.45	na	4.30	hvo	kl cal deep			later reading; mag agereement ok	all hawaii island

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
5/10/62	15:56:04.9	SP Vert (HTL)	12.0	4.2	1.0	1	s-p = 34 s	4.64	na	4.30	hvo	kl cal deep			later reading; mag agereement ok	all hawaii island
5/10/62	15:56:04.9	E-W (M-S)	1.0	4.2	1.0	1	repeat	4.76	na	4.30	hvo	kl cal deep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	N-S (M-S)	0.5	4.2	1.0	1	repeat	4.45	na	4.30	hvo	kl cal deep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	SP Vert (HTL)	13.0	4.2	0.5	1	repeat	4.67	na	4.30	hvo	kl cal deep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	E-W (M-S)	1.1	4.2	1.0	1	repeat; noise 0.7mm, 1s	4.80	na	4.30	hvo	kl cal deep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	N-S (M-S)	1.1	4.2	1.0	1	repeat; noise 0.5mm, 1s	4.80	na	4.30	hvo	kl cal deep			earlier reading; mag agreement ok	all hawaii island
5/10/62	15:56:04.9	SP Vert (HTL)	12.0	4.2	0.5	1	repeat	4.64	na	4.30	hvo	kl cal deep			earlier reading; mag agreement ok	all hawaii island
5/11/62	16:37:23.4	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kl cal deep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kl cal deep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	SP Vert (HTL)	5.0	4.2	1.0	1		4.26	na	3.70	hvo	kl cal deep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	E-W (M-S)		4.2			no repeat		na	3.70	hvo	kl cal deep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	N-S (M-S)		4.2			no repeat		na	3.70	hvo	kl cal deep			hvo mag low for felt report-4.0?	east half hawaii island
5/11/62	16:37:23.4	SP Vert (HTL)	5.0	4.2	1.0	1	repeat	4.26	na	3.70	hvo	kl cal deep			hvo mag low for felt report-4.0?	east half hawaii island
5/24/62	8:58:09.9	E-W (M-S)		4.25		3	record missing		na	3.70	hvo	kl swr sf deep				all hawaii island
5/24/62	8:58:09.9	N-S (M-S)		4.25		3	record missing		na	3.70	hvo	kl swr sf deep				all hawaii island
5/24/62	8:58:09.9	SP Vert (HTL)		4.25		3	record missing		na	3.70	hvo	kl swr sf deep				all hawaii island
6/5/62	9:35:21.3	E-W (M-S)		4.25		3	record missing		na	3.90	hvo	kl kuer sf				hilo, pohakuloa, puna, pahala, volcano
6/5/62	9:35:21.3	N-S (M-S)		4.25		3	record missing		na	3.90	hvo	kl kuer sf				hilo, pohakuloa, puna, pahala, volcano
6/5/62	9:35:21.3	SP Vert (HTL)		4.25		3	record missing		na	3.90	hvo	kl kuer sf				hilo, pohakuloa, puna, pahala, volcano
6/14/62	2:34:55.3	E-W (M-S)		4.2		3	record missing		na	4.30	hvo	kl cal deep				all hawaii island
6/14/62	2:34:55.3	N-S (M-S)		4.2		3	record missing		na	4.30	hvo	kl cal deep				all hawaii island
6/14/62	2:34:55.3	SP Vert (HTL)		4.2		3	record missing		na	4.30	hvo	kl cal deep				all hawaii island
6/27/62	11:27:00	E-W (M-S)		4.20		3	record missing			6.1	hvo	kaoiki				all Hawaii island, Maui, Oahu (VI)
6/27/62	11:27:00	N-S (M-S)		4.20		3	record missing			6.1	hvo	kaoiki				all Hawaii island, Maui, Oahu (VI)
6/27/62	11:27:00	SP Vert (HTL)		4.20		3	record missing			6.1	hvo	kaoiki				all Hawaii island, Maui, Oahu (VI)
6/28/62	13:36:56.7	E-W (M-S)		4.20		3	record missing			3.7	hvo	kaoiki				felt-hilo
6/28/62	13:36:56.7	N-S (M-S)		4.20		3	record missing			3.7	hvo	kaoiki				felt-hilo

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
6/28/62	13:36:56.7	SP Vert (HTL)		4.20		3	record missing			3.7	hvo	kaoiki				felt-hilo
6/28/62	4:27:14.3	E-W (M-S)		4.20		3	record missing			6.1	hvo	kaoiki				felt-hawaii, maui, oahu
6/28/62	4:27:14.3	N-S (M-S)		4.20		3	record missing			6.1	hvo	kaoiki				felt-hawaii, maui, oahu
6/28/62	4:27:14.3	SP Vert (HTL)		4.20		3	record missing			6.1	hvo	kaoiki				felt-hawaii, maui, oahu
7/14/62	17:37:53.1	E-W (M-S)		4.10		3	no trace			4.0	hvo	mauna kea				felt-all hawaii island
7/14/62	17:37:53.1	N-S (M-S)		4.10		3	no trace			4.0	hvo	mauna kea				felt-all hawaii island
7/14/62	17:37:53.1	SP Vert (HTL)	7.5	4.10	1.0	1	s-p = 31 s	4.26		4.0	hvo	mauna kea				felt-all hawaii island
7/24/62	9:52:41.1	E-W (M-S)		4.05		3	no trace			4.5	hvo	kona				felt-w coast hawaii island
7/24/62	9:52:41.1	N-S (M-S)		4.05		3	no trace			4.5	hvo	kona				felt-w coast hawaii island
7/24/62	9:52:41.1	SP Vert (HTL)		4.05		3	no trace			4.5	hvo	kona				felt-w coast hawaii island
7/25/62	3:48:14	E-W (M-S)	1.5	4.05	2.0	2		4.21		4.9	hvo	kona				
7/25/62	3:48:14	N-S (M-S)	1.0	4.05	5.0	3		3.70		4.9	hvo	kona				
7/25/62	3:48:14	SP Vert (HTL)	10.0	4.05		3	min amplitude; duration =115 s	4.30		4.9	hvo	kona				
7/31/62	13:24:15.8	E-W (M-S)		4.25		3	no trace; noisy record-out of adjustment		na	3.70	hvo	kl kuer sf				hilo
7/31/62	13:24:15.8	N-S (M-S)		4.25		3	no trace; noisy record-out of adjustment		na	3.70	hvo	kl kuer sf				hilo
7/31/62	13:24:15.8	SP Vert (HTL)		4.25		3	no trace; noisy record-out of adjustment		na	3.70	hvo	kl kuer sf				hilo
8/18/62	9:30:06.5	E-W (M-S)		4.15		3	no trace			4.0	hvo	hilea				felt-south half hawaii island
8/18/62	9:30:06.5	N-S (M-S)		4.15		3	no trace			4.0	hvo	hilea				felt-south half hawaii island
8/18/62	9:30:06.5	SP Vert (HTL)	1.7	4.15	1.0	1	signal/noise approx 2	3.50		4.0	hvo	hilea				felt-south half hawaii island
8/19/62	02:58:00	E-W (M-S)	7.5	4.25	5.0	3		4.77	na	4.40		kl kuer sf			hvo mag low	
8/19/62	02:58:00	N-S (M-S)	5.5	4.25	5.0	3		4.64	na	4.40		kl kuer sf			hvo mag low	
8/19/62	02:58:00	SP Vert (HTL)	20.0	4.25		3	min amp; duration = 210 s	5.06	na	4.40		kl kuer sf			hvo mag low	
8/19/62	2:58:41.8	E-W (M-S)	9.0	4.25	8.0	3		4.85	na	4.60	hvo	kl kuer sf			hvo mag low	all hawaii island
8/19/62	2:58:41.8	N-S (M-S)	5.0	4.25	6.0	3		4.60	na	4.60	hvo	kl kuer sf			hvo mag low	all hawaii island
8/19/62	2:58:41.8	SP Vert (HTL)	28.0	4.25	1.0	1	s-p = 36 s	5.21	na	4.60	hvo	kl kuer sf			hvo mag low	all hawaii island
9/8/62	13:58:58.0	E-W (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	na	4.10	hvo	kl kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	N-S (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	na	4.10	hvo	kl kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	SP Vert (HTL)	8.0	4.35	1.0	1	light trace-hard to read	4.76	na	4.10	hvo	kl kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	E-W (M-S)		4.35			no repeat		na	4.10	hvo	kl kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	N-S (M-S)		4.35			no repeat		na	4.10	hvo	kl kuer sf os			mag agreement ok	hilo, hnp
9/8/62	13:58:58.0	SP Vert (HTL)	9.0	4.35	1.0	1	repeat	4.81	na	4.10	hvo	kl kuer sf os			mag agreement ok	hilo, hnp
9/11/62	17:22:49.8	E-W (M-S)	0.3	4.2	1.5	1.5	no trace; threshold mag	3.90	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
9/11/62	17:22:49.8	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	SP Vert (HTL)	7.0	4.2	1.0	1	light trace-hard to read	4.41	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	E-W (M-S)		4.2			no repeat		na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	N-S (M-S)		4.2			no repeat		na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:22:49.8	SP Vert (HTL)	7.0	4.2	1.0	1	repeat	4.41	na	3.70	hvo	glenwood deep			hvo mag low for felt report-4.1?	all hawaii island
9/11/62	17:25:27.5	E-W (M-S)		4.2		3	no trace		na	3.60	hvo	glenwood deep			hvo mag low for felt report-4.0?	all hawaii island
9/11/62	17:25:27.5	N-S (M-S)		4.2		3	no trace		na	3.60	hvo	glenwood deep			hvo mag low for felt report-4.0?	all hawaii island
9/11/62	17:25:27.5	SP Vert (HTL)	3.0	4.2	1.0	1	light trace-hard to read	4.04	na	3.60	hvo	glenwood deep			hvo mag low for felt report-4.0?	all hawaii island
9/11/62	5:11:15.0	E-W (M-S)		4.25		3	no trace		na	3.60	hvo	kl kuer sf			hvo mag low for felt report-4.0?	east hawaii island
9/11/62	5:11:15.0	N-S (M-S)		4.25		3	no trace		na	3.60	hvo	kl kuer sf			hvo mag low for felt report-4.0?	east hawaii island
9/11/62	5:11:15.0	SP Vert (HTL)		4.25		3	no trace		na	3.60	hvo	kl kuer sf			hvo mag low for felt report-4.0?	east hawaii island
11/22/62	14:26:10.0	E-W (M-S)	0.6	4.25	1.5	1.5	no trace; threshold mag	4.25	na	3.90	hvo	kl kuer sf			mag agreement ok	
11/22/62	14:26:10.0	N-S (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	na	3.90	hvo	kl kuer sf			mag agreement ok	
11/22/62	14:26:10.0	SP Vert (HTL)	0.8	4.25	1.0	1	no trace; threshold mag	3.66	na	3.90	hvo	kl kuer sf			mag agreement ok	
11/22/62	15:18:21.7	E-W (M-S)	17.0	4.25	4.0	3	repeat-18mm, 4 s	5.13	na	4.10	hvo	kl kuer sf			m-s mag seems high, hvo mag low for felt report-4.5?	hnp to hilo
11/22/62	15:18:21.7	N-S (M-S)	18.0	4.25	6.0	3		5.15	na	4.10	hvo	kl kuer sf			m-s mag seems high, hvo mag low for felt report-4.5?	hnp to hilo
11/22/62	15:18:21.7	SP Vert (HTL)	8.5	4.25	3.0	3	large surface waves; probably shallow	4.69	na	4.10	hvo	kl kuer sf			m-s mag seems high, hvo mag low for felt report-4.5?	hnp to hilo
11/22/62	15:18:21.7	E-W (M-S)	3.2	4.25	1.5	1.5	repeat	4.98		4.10	hvo	kl kuer sf				
11/22/62	15:18:21.7	N-S (M-S)	3.3	4.25	1.5	1.5	repeat	4.99		4.10	hvo	kl kuer sf				
11/22/62	15:18:21.7	SP Vert (HTL)	7.0	4.25	1.0	1	repeat	4.61		4.10	hvo	kl kuer sf				
12/14/62	7:36:18.7	E-W (M-S)	1.0	4.2	1.0	1	noisy record	4.76	na	3.70	hvo	kl cal deep			hvo mag low	all hawaii island
12/14/62	7:36:18.7	N-S (M-S)	0.7	4.2	1.0	1		4.60	na	3.70	hvo	kl cal deep			hvo mag low	all hawaii island
12/14/62	7:36:18.7	SP Vert (HTL)	26.0	4.2	1.0	1	s-p = 34 s	4.97	na	3.70	hvo	kl cal deep			hvo mag low	all hawaii island
12/14/62	7:36:18.7	E-W (M-S)	0.8	4.2	1.5	1.5	repeat; noise 0.5mm, 1.5s	4.32		3.70	hvo	kl cal deep				
12/14/62	7:36:18.7	N-S (M-S)	1.0	4.2	1.5	1.5	repeat; noise 0.4mm, 1.5s	4.42		3.70	hvo	kl cal deep				
12/14/62	7:36:18.7	SP Vert (HTL)	32.0	4.2	1.0	1	repeat; s-p = 33 s; high-frequency event	5.07		3.70	hvo	kl cal deep				
12/28/62	11:06:10.1	E-W (M-S)	0.5	4.25	1.5	1.5	no trace; threshold mag	4.17	na	4.10	hvo	kl kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	N-S (M-S)	0.4	4.25	1.5	1.5	no trace; threshold mag	4.07	na	4.10	hvo	kl kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	SP Vert (HTL)	4.0	4.25	1.0	1	s-p = 38 s	4.36	na	4.10	hvo	kl kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	E-W (M-S)		4.25			no repeat		na	4.10	hvo	kl kuer sf			mag agreement ok	east half hawaii island

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
12/28/62	11:06:10.1	N-S (M-S)		4.25			no repeat		na	4.10	hvo	kl kuer sf			mag agreement ok	east half hawaii island
12/28/62	11:06:10.1	SP Vert (HTL)	4.2	4.25	1.0	1	repeat	4.38	na	4.10	hvo	kl kuer sf			mag agreement ok	east half hawaii island
12/31/62	3:47:19.0	E-W (M-S)		4.15		3	assume no trace			4.0	hvo	mlswr				felt-half hawaii island
12/31/62	3:47:19.0	N-S (M-S)		4.15		3	assume no trace			4.0	hvo	mlswr				felt-half hawaii island
12/31/62	3:47:19.0	SP Vert (HTL)	1.0	4.15	1.0	1	detected; signal/noise <1	3.43		4.0	hvo	mlswr				felt-half hawaii island
1/8/63	19:39:00	E-W (M-S)	3.0	4.2	0.5	1		5.23	na	4.60		kl cal deep			hvo mag low	all Hawaii island, Maui, Oahu (V)
1/8/63	19:39:00	N-S (M-S)	3.5	4.2	0.5	1		5.30	na	4.60		kl cal deep			hvo mag low	all Hawaii island, Maui, Oahu (V)
1/8/63	19:39:00	SP Vert (HTL)	68.0	4.2	0.5	1		0.00	na	4.60		kl cal deep			hvo mag low	all Hawaii island, Maui, Oahu (V)
1/8/63	20:04:00	E-W (M-S)	0.6	4.2	1.5	1.5	detected; noise 0.6mm, 1.5s; not in seismic summary	4.20	na			kl cal deep eqs	M4.2?			
1/8/63	20:04:00	N-S (M-S)	0.6	4.2	1.5	1.5	detected; noise 0.4mm, 1.5s; not in seismic summary	4.20	na			kl cal deep eqs	M4.2?			
1/8/63	20:04:00	SP Vert (HTL)	9.0	4.2	1.0	1	not in seismic summary	4.51	na			kl cal deep eqs	M4.2?			
1/8/63	20:04:00	E-W (M-S)		4.2			no repeat		na			kl cal deep eqs	M4.2?			
1/8/63	20:04:00	N-S (M-S)		4.2			no repeat		na			kl cal deep eqs	M4.2?			
1/8/63	20:04:00	SP Vert (HTL)	8.0	4.2	1.0	1	repeat	4.46	na			kl cal deep eqs	M4.2?			
1/8/63	19:39:44.9	E-W (M-S)	6.0	4.2	1.0	1		5.53	na	4.30	hvo	kl cal deep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	N-S (M-S)	5.0	4.2	1.0	1		5.45	na	4.30	hvo	kl cal deep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	SP Vert (HTL)	72.0	4.2	1.0	1	light trace/large amplitude	5.42	na	4.30	hvo	kl cal deep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	E-W (M-S)	5.0	4.2	1.5	1.5	repeat; noise 1mm, 1.5s	5.12	na	4.30	hvo	kl cal deep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	N-S (M-S)	5.0	4.2	1.5	1.5	repeat; noise 0.7mm, 1.5s	5.12	na	4.30	hvo	kl cal deep eqs			hvo mag low	all hawaii island, maui, oahu
1/8/63	19:39:44.9	SP Vert (HTL)	70.0	4.2	1.0	1	repeat	5.41	na	4.30	hvo	kl cal deep eqs			hvo mag low	all hawaii island, maui, oahu
1/9/63	01:40:00	E-W (M-S)		4.2		3	assume no trace; not in seismic summary		na			kl cal deep eqs	M3.8?			
1/9/63	01:40:00	N-S (M-S)		4.2		3	assume no trace; not in seismic summary		na			kl cal deep eqs	M3.8?			
1/9/63	01:40:00	SP Vert (HTL)	1.0	4.2	1.0	1	not in seismic summary	3.56	na			kl cal deep eqs	M3.8?			

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
1/9/63	15:19:00	E-W (M-S)		4.2		3	assume no trace; not in seismic summary		na			kl cal deep eqs				
1/9/63	15:19:00	N-S (M-S)		4.2		3	assume no trace; not in seismic summary		na			kl cal deep eqs				
1/9/63	15:19:00	SP Vert (HTL)	2.0	4.2	1.0	1	not in seismic summary	3.86	na			kl cal deep eqs				naalehu to kulani
1/9/63	14:36:24.0	E-W (M-S)	0.9	4.2	1.5	1.5	no trace; threshold mag	4.37	na	3.20	hvo	kl cal deep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	N-S (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.20	hvo	kl cal deep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	SP Vert (HTL)	11.0	4.2	1.0	1	s-p = 34 s	4.60	na	3.20	hvo	kl cal deep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	E-W (M-S)		4.2			no repeat		na	3.20	hvo	kl cal deep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	N-S (M-S)		4.2			no repeat		na	3.20	hvo	kl cal deep eqs			hvo mag low	hawaii island
1/9/63	14:36:24.0	SP Vert (HTL)	9.0	4.2	1.0	1	repeat	4.51	na	3.20	hvo	kl cal deep eqs			hvo mag low	hawaii island
1/9/63	19:23:08.9	E-W (M-S)		4.2		3	no trace; not in seismic summary		na			kl cal deep eqs				
1/9/63	19:23:08.9	N-S (M-S)		4.2		3	no trace; not in seismic summary		na			kl cal deep eqs				
1/9/63	19:23:08.9	SP Vert (HTL)	4.5	4.2	1.0	1		4.21	na			kl cal deep eqs				
1/9/63	1:41:06.2	E-W (M-S)	1.2	4.2	1.5	1.5	detected	4.50	na	4.20		kl cal deep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	N-S (M-S)	0.7	4.2	1.0	1	detected; reread 0.8mm, 1.5s; noise 0.4mm, 1.5s	4.60	na	4.20	hvo	kl cal deep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	SP Vert (HTL)	22.0	4.2	1.0	1		4.90	na	4.20	hvo	kl cal deep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	E-W (M-S)	1.3	4.2	1.5	1.5	repeat; noise 0.6mm, 1.5s	4.53	na	4.20	hvo	kl cal deep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	N-S (M-S)	0.8	4.2	1.5	1.5	repeat; noise 0.4mm, 1.5s	4.32	na	4.20	hvo	kl cal deep eqs			hvo mag low	all hawaii island
1/9/63	1:41:06.2	SP Vert (HTL)	20.0	4.2	1.0	1	repeat	4.86	na	4.20	hvo	kl cal deep eqs			hvo mag low	all hawaii island
1/9/63	1:45:15.0	E-W (M-S)	0.6	4.2	1.5	1.5	no trace; threshold mag	4.20	na	3.40	hvo	kl cal deep eqs			hvo mag low	
1/9/63	1:45:15.0	N-S (M-S)	0.4	4.2	1.5	1.5	no trace; threshold mag	4.02	na	3.40	hvo	kl cal deep eqs			hvo mag low	
1/9/63	1:45:15.0	SP Vert (HTL)	5.0	4.2	1.0	1		4.26	na	3.40	hvo	kl cal deep eqs			hvo mag low	
1/9/63	1:45:15.0	E-W (M-S)		4.2			no repeat		na	3.40	hvo	kl cal deep eqs			hvo mag low	
1/9/63	1:45:15.0	N-S (M-S)		4.2			no repeat		na	3.40	hvo	kl cal deep eqs			hvo mag low	
1/9/63	1:45:15.0	SP Vert (HTL)	5.0	4.2	1.0	1	repeat	4.26	na	3.40	hvo	kl cal deep eqs			hvo mag low	
2/17/63	19:7:44.5	E-W (M-S)		4.00		3	no trace			4.1	hvo	kona offshore				
2/17/63	19:7:44.5	N-S (M-S)	0.2	4.00	1.5	1.5		3.52		4.1	hvo	kona offshore				
2/17/63	19:7:44.5	SP Vert (HTL)	12.0	4.00	0.5	1		4.33		4.1	hvo	kona offshore				

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
3/25/63	8:31:51.8	E-W (M-S)	0.5	4.10	1.5	1.5	no trace; threshold mag	4.02		4.5	hvo	mauna kea				felt-hawaii island, maui
3/25/63	8:31:51.8	N-S (M-S)	0.5	4.10	1.5	1.5	detected; noise 0.3mm, 1.5s	4.02		4.5	hvo	mauna kea				felt-hawaii island, maui
3/25/63	8:31:51.8	SP Vert (HTL)	20.0	4.10	1.0	1	repeat	4.68		4.5	hvo	mauna kea				felt-hawaii island, maui
3/25/63	8:31:51.8	SP Vert (HTL)	17.0	4.10	1.0	1	repeat; s-p = 29s	4.61		4.5	hvo	mauna kea				felt-hawaii island, maui
3/25/63	17:18:35.0	E-W (M-S)	0.3	3.50		1.5		3.12		3.9	hvo	haleakala				felt-all maui
3/25/63	17:18:35.0	N-S (M-S)	0.4	3.50		1.5		3.32		3.9	hvo	haleakala				felt-all maui
3/25/63	17:18:35.0	SP Vert (HTL)	32.0	3.50	1.0	1		3.84		3.9	hvo	haleakala				felt-all maui
5/19/63	12:21:25.5	E-W (M-S)		4.15		3				3.9	hvo	hilea				felt-hnp, hilo, pahal, waiahinu
5/19/63	12:21:25.5	N-S (M-S)		4.15		3				3.9	hvo	hilea				felt-hnp, hilo, pahal, waiahinu
5/19/63	12:21:25.5	SP Vert (HTL)		4.15		3				3.9	hvo	hilea				felt-hnp, hilo, pahal, waiahinu
6/7/63	8:25:38.8	E-W (M-S)		4.15		3	no trace			4.2	hvo	hilea				felt-hilo, pahala, naalehu, waiohinu
6/7/63	8:25:38.8	N-S (M-S)		4.15		3	no trace			4.2	hvo	hilea				felt-hilo, pahala, naalehu, waiohinu
6/7/63	8:25:38.8	SP Vert (HTL)	3.0	4.15	0.5	1		3.75		4.2	hvo	hilea				felt-hilo, pahala, naalehu, waiohinu
6/14/63	21:17:57.0	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.70	hvo	kl cal deep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	N-S (M-S)	0.3	4.2	1.5	1.5	no trace; threshold mag	3.90	na	3.70	hvo	kl cal deep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	SP Vert (HTL)	5.0	4.2	1.0	1		4.26	na	3.70	hvo	kl cal deep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	E-W (M-S)		4.2			no repeat		na	3.70	hvo	kl cal deep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	N-S (M-S)		4.2			no repeat		na	3.70	hvo	kl cal deep			hvo mag low-4.2?	hnp, kulani, n kona
6/14/63	21:17:57.0	SP Vert (HTL)	5.0	4.2	1.0	1	repeat	4.26	na	3.70	hvo	kl cal deep			hvo mag low-4.2?	hnp, kulani, n kona
7/11/63	12:43:57.5	E-W (M-S)		4.25		3	no trace		na	3.80	hvo	kl kuer sf			hvo mag low-4.2?	volcano to hilo
7/11/63	12:43:57.5	N-S (M-S)		4.25		3	detected?		na	3.80	hvo	kl kuer sf			hvo mag low-4.2?	volcano to hilo
7/11/63	12:43:57.5	SP Vert (HTL)	2.5	4.25	1.0	1		4.16	na	3.80	hvo	kl kuer sf			hvo mag low-4.2?	volcano to hilo
8/14/63	15:26:00	E-W (M-S)	2.4	2.40	1.0	1		3.34				oahu-kolekole pass; 30 km depth			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; IV
8/14/63	15:26:00	N-S (M-S)	3.6	2.40	1.0	1		3.51				oahu-kolekole pass; 30 km depth			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; IV; s-p 5s (distance 40 km)
8/14/63	15:26:00	SP Vert (HTL)	66.0	2.40	1.0	1		3.56				oahu-kolekole pass; 30 km depth			Cox, D.C., 1986, Earthquakes felt on Oahu, Hawaii and their intensities: Honolulu, University of Hawaii Environmental Center, 120 p.	felt-oahu; IV
8/26/63	18:49:18	E-W (M-S)	16.0	4.20	6.0	3		5.05		4.9	hvo	kaoiki				
8/26/63	18:49:18	N-S (M-S)	12.5	4.20	6.0	3		4.95		4.9	hvo	kaoiki				
8/26/63	18:49:18	SP Vert (HTL)	20.0	4.20		3	min amp; S-P ~ 35 sec; duration = 280 s	4.62		4.9	hvo	kaoiki				
9/21/63	16:24:27	E-W (M-S)	8.0	4.20	4.0	3		4.75		4.8	hvo	kaoiki				
9/21/63	16:24:27	N-S (M-S)	5.0	4.20		3	min amp	4.55		4.8	hvo	kaoiki				
9/21/63	16:24:27	SP Vert (HTL)	20.0	4.20		3	min amp; S-P = 33 sec; duration = 210 s	4.62		4.8	hvo	kaoiki				
9/22/63	16:26:17.4	E-W (M-S)		4.20		3	assume no trace			3.5	hvo	kaoiki				felt-hilo, hnp, kapapala

Date	GMT	Component	A (mm)	LAO	P (s)	Pc (s)	Notes	M calc	M nomo	M det	M det source	region	HVO class	Int. Max	Comment	felt report (maximum intensity)
9/22/63	16:26:17.4	N-S (M-S)		4.20		3	assume no trace			3.5	hvo	kaoiki				felt-hilo, hnp, kapapala
9/22/63	16:26:17.4	SP Vert (HTL)		4.20		3	detected?			3.5	hvo	kaoiki				felt-hilo, hnp, kapapala
9/22/63	16:27:24.4	E-W (M-S)		4.20		3	assume no trace			3.5	hvo	kaoiki				felt-hilo, hnp, kapapala
9/22/63	16:27:24.4	N-S (M-S)		4.20		3	assume no trace			3.5	hvo	kaoiki				felt-hilo, hnp, kapapala
9/22/63	16:27:24.4	SP Vert (HTL)		4.20		3	no trace			3.5	hvo	kaoiki				felt-hilo, hnp, kapapala
10/12/63	2:52:47.8	E-W (M-S)	0.4	4.35	1.5	1.5	no trace; threshold mag	4.17	na	3.80	hvo	kl ler?			mag agreement ok	hnp
10/12/63	2:52:47.8	N-S (M-S)	0.3	4.35	1.5	1.5	no trace; threshold mag	4.05	na	3.80	hvo	kl ler?			mag agreement ok	hnp
10/12/63	2:52:47.8	SP Vert (HTL)	2.6	4.35	1.0	1	noise 2.3mm, 1s	4.27	na	3.80	hvo	kl ler?			mag agreement ok	hnp
10/23/63	20:24:06	E-W (M-S)	24.0	4.20		3	min amp	5.23		5.3	hvo	kaoiki				
10/23/63	20:24:06	N-S (M-S)	20.0	4.20		3	min amp	5.15		5.3	hvo	kaoiki				
10/23/63	20:24:06	SP Vert (HTL)		4.20		3	seismometer dead			5.3	hvo	kaoiki				
10/23/63	21:24:47.0	E-W (M-S)		4.20		3	no trace			3.8	hvo	kaoiki				felt-hilo, pahala, kapapala
10/23/63	21:24:47.0	N-S (M-S)		4.20		3	no trace			3.8	hvo	kaoiki				felt-hilo, pahala, kapapala
10/23/63	21:24:47.0	SP Vert (HTL)	3	4.20	0.5	1		3.80		3.8	hvo	kaoiki				felt-hilo, pahala, kapapala
10/24/63	4:25:28.6	E-W (M-S)		4.20		3	no trace			3.5	hvo	kaoiki				felt-hnp, kapapala, pahala
10/24/63	4:25:28.6	N-S (M-S)		4.20		3	no trace			3.5	hvo	kaoiki				felt-hnp, kapapala, pahala
10/24/63	4:25:28.6	SP Vert (HTL)	1.5	4.20	1.0	1	detected	3.50		3.5	hvo	kaoiki				felt-hnp, kapapala, pahala
10/26/63	1:29:34.0	E-W (M-S)		4.20		3	no trace			3.8	hvo	kaoiki				felt-hnp, kapapala, pahala
10/26/63	1:29:34.0	N-S (M-S)		4.20		3	no trace			3.8	hvo	kaoiki				felt-hnp, kapapala, pahala
10/26/63	1:29:34.0	SP Vert (HTL)	3.0	4.20	1.0	1	detected	3.80		3.8	hvo	kaoiki				felt-hnp, kapapala, pahala
11/4/63	7:23:25.4	E-W (M-S)		3.85		3	no trace			3.7	hvo	kohala				felt-half hawaii island
11/4/63	7:23:25.4	N-S (M-S)		3.85		3	no trace			3.7	hvo	kohala				felt-half hawaii island
11/4/63	7:23:25.4	SP Vert (HTL)	5.0	3.85	1.0	1	s-p = 29 s	3.99		3.7	hvo	kohala				felt-half hawaii island
11/15/63	19:01:26.5	E-W (M-S)	0.5	4.2	1.5	1.5	no trace; threshold mag	4.12	na	3.80	hvo	kl cal deep			hvo mag low-4.3?	half hawaii island
11/15/63	19:01:26.5	N-S (M-S)	0.4	4.2	1.5	1.5	detected; noise 0.4mm, 1.5s	4.02	na	3.80	hvo	kl cal deep			hvo mag low-4.3?	half hawaii island
11/15/63	19:01:26.5	SP Vert (HTL)	18.0	4.2	0.8	1	s-p approx. 36 s	4.82	na	3.80	hvo	kl cal deep			hvo mag low-4.3?	half hawaii island
11/15/63	19:01:26.5	E-W (M-S)	0.4	4.2	1.5	1.5	repeat; detected; noise 0.4mm, 1.5s	4.02	na	3.80	hvo	kl cal deep			hvo mag low-4.3?	half of hawaii island
11/15/63	19:01:26.5	N-S (M-S)	0.3	4.2	1.5	1.5	repeat; no trace; threshold mag	3.90	na	3.80	hvo	kl cal deep			hvo mag low-4.3?	half of hawaii island
11/15/63	19:01:26.5	SP Vert (HTL)	18.0	4.2	1.0	1	repeat	4.82	na	3.80	hvo	kl cal deep			hvo mag low-4.3?	half of hawaii island
11/15/63	19:01:26.5	SP Vert (HTL)	20.0	4.2	1.0	1	repeat s-p = 33 s	4.86	na	3.80	hvo	kl cal deep			hvo mag low-4.3?	half of hawaii island