

Honolulu Magnetic Observatory  
Earthquake Report for the month of February, 1923.  
Greenwich mean time, midnight to midnight.

Date 1923	Phase	Time	Period	Amplitude		Dist- ance	Remarks.
				E	N		
		h m s	s	μ	μ	km.	
Feb. 1	PH	19 42 12					E record obscured by overlapp- ing traces.
	SH(?)	19 47 47					
	LN	19 49 30	30				
	MN	19 39 54	30		130		
	FN	20 01					
Feb. 2	PH	1 21 53					E record obscured by overlapp- ing traces.
	SH(?)	1 27 16	7				
	LN	1 26 30	21		60		
	MN	1 31 23	20		80		
	FN	1 51					
Feb. 2	O	5 08 05				4630	7 nearly an irregularity in microseisms. Preliminary phases exceptionally weak.
	PE	5 16 41					
	PH	5 16 08					
	SE	5 22 46					
	SH	5 22 30	20		220		
	OE	5 24 48					
	SR1N	5 25 22					
	SR2E	5 26 18				5120	
	SR2N	5 26 30	18		150		
	LE	5 29 21	22				
	LN	5 28 10	22				
	ME	5 30 08	20	310			
	MN	5 32 45	19		420		
F	6 55						
Feb. 3	O	16 01 48				5020	Motion after L too rapid to register; E visible after 16:29, N after 16:35. Paper changed between 17:08 and 17:19. E record on new sheet obscured by overlapping traces. Recorded on the magnetograph. * Approximate.
	1P	16 10 15	7	60	110		
	en	16 16 00					
	1SN	16 16 58	11	600			
	1LN	16 16 58	16		790		
	LE	16 22 18	16	1700*			
	LN	16 22 12	16		1100*		
	LRN	18 57 53					
1LRN	19 03 17	21		210			
Feb. 8	e	0 16 ..					Very slight.
	F	0 23 ..					
Feb. 21							Very trace of activity on 21

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Date 1923	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
		h m s	s	$\mu$	$\mu$	km	
Feb. 8	eN	8 11 00					Activity on E well defined but of small magnitude.
	e1E	8 11 10	13	10			
	e2E	8 14 04	8				
	e3E	8 17 20					
	e4E	8 34 50					
	FE	8 36					
	FN	8 27					
Feb. 10	eE	7 11 33				500	An irregularity in the microseisms.
	eN	7 12 28					
	F	7 13					
Feb. 11	eE	22 59 40					
	eE	23 04 20	20				
	eN	23 04 30	15				
	ME	23 04 51	20	30	<del>50</del>		
	MN	23 05 18	13		50		
	FE	23 18					
	FN	23 26					
Feb. 12	O	1 58 26				5120	P merely an irregularity in microseisms. Preliminary phases exceptionally weak.
	P(?)	2 07 02					
	SN	2 13 51					
	SR1E	2 17 20					
	SR1N	2 17 28	8				
	LE	2 20 11	28				
	LN	2 19 55	21				
	ME	2 22 41	21	60			
	MN	2 21 37	20		80		
	FE	2 49					
	FN	2 45					
Feb. 16	eE	9 35 10					
	eN	9 35 --					
	ME	9 36 34	11	10			
	F	9 40					
Feb. 19	e	0 02					
	FE	0 08					
	FN	0 17					
Feb. 21	eN	4 11					Mere trace of activity on E
	FN	4 23					

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Date 1923	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
		h m s	s	$\mu$	$\mu$	km	
Feb. 23	iE	6 13 46	10	25			
	eN	6 14 30					
	eN	6 24 27					
	LE	6 35 25	19	15			
	FE	6 43 --					
	FN	6 34 --					
Feb. 24	O	7 34 36				4900	L doubtful on account of preceding activity. Actual $M_E$ occurs during SR.
	P	7 42 57	7		15		
	PR <sub>1</sub>	7 44 40					
	eN	7 48 52	13		15		
	iSE	7 49 34	15	85			
	iSN	7 49 34	20		160		
	SR <sub>1E</sub>	7 53 00					
	SR <sub>2N</sub>	7 53 18	14		130		
	LE	7 55 21					
	LN	7 54 46					
	ME <sub>1</sub>	7 53 40	15	180			
	ME <sub>2</sub>	7 55 50	15	150			
	MN	7 56 00	16		200		
	FE	10 37 --					
FN	10 40 --						
Feb. 25	e	14 58 --					Barely perceptible
	F	15 03 --					
Feb. 27	e	20 55 --					Nothing definite
	F	21 03 --					

Periods of pendulums: 12.0 sec.  
 Sensitivity: E. 0.182; N. 0.196  
 Damping ratio: near 25:1  
 Multiplication: 150.

H. E. McComb,  
 Magnetic Observer.



**Honolulu Magnetic Observatory**  
**Earthquake Report for the Month of March, 1923.**

Greenwich mean time, midnight to midnight.

Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E μ	N μ		
1923		h m s	s			km	
Mar. 1	e	8 40 05	15	30			
	ME	8 44 26	8	60			
	MN	8 43 36	8			40	
	FE	9 41					
	FN	9 44					
Mar. 2	eN	17 20 42	25				E record obscured by overlap.
	eN	17 24 32	22		45		Beginning occurred while chang-
	LN	17 30 10	20				ing paper.
	MN	17 33 20	18		32		
	FN	18 10					
Mar. 4	O	7 04 10				1650	
	PE	7 07 42					E record well defined;
	SE	7 10 33	16	33			N indefinite.
	SN	7 10 49	18				
	L	7 11 46	12				
	ME	7 12 10	12	38			
	MN	7 16 06	11		21		
	F	7 58					
Mar. 16	e	22 22 57	8	18			
	eN	22 27 20	9				
	eE	22 35 48	25				
	eE	22 44 42					
	LE	22 49 10					
	ME	22 50 --	17	50			
	MN	22 49 09	18		40		
	FE	23 24 --					
	FN	23 00 --					
Mar. 24	O	12 56 46				3780	
	P	13 03 48					
	SE	13 09 22	11				
	SN	13 09 50					
	LE1	13 13 40	11				
	LE2	13 18 10					
	LE3	13 22 10	25				
	LN1	13 15 55	40				
	LN2	13 26 10	14				
	ME	13 26 50	13	42	32		
	MN	13 27 17	14		32		
	F	14 24					



Periods of pendulums: 12.0 sec. Sensitivity: E, 0.182; N, 0.196  
Damping ratio: near 25:1. Multiplication: 150.

H. E. McComb, Magnetic Observer.

Honolulu Magnetic Observatory  
Earthquake Report for the month of April, 1923.  
Greenwich mean time, midnight to midnight.

Date 1923	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
		h m s	s	u	u	km	
Apr. 13	P	10 19 17					Nothing definite
	FE	19 29 --					
	FN	19 23 --					
Apr 13	PN	15 39 30					Nothing definite
	1SN	15 46 13					
	SR1N	15 49 29					
	LN	15 52 10	25		150		
	MN	15 53 52					
	FN	16 22 --					
Apr. 19	eE	3 32 51					Nothing definite
	eN	3 32 10					
	NE	4 28 --					
	FN	4 17 --					
Apr. 29	eE	2 46 20					Nothing definite
	eN	2 45 42					
	NE	2 48 18	8	14			
	LN	2 47 25	8		18		
	FE	2 56 --					
	FN	2 55 --					

Periods of pendulums: 12.0 sec.  
Sensitivity: E, 0.162; N, 0.196  
Damping ratios: near 25:1  
Multiplication: 150.

H. E. McComb.  
Magnetic Observer.



Honolulu Magnetic Observatory  
Earthquake Report for the month of May, 1923.  
Greenwich mean time, midnight to midnight.

Date	Phase	Time h m s	Period s	Amplitude		Dist- ance. km	Remarks.
				E	N		
1923 May 2	eN MN FN	16 39 30 16 41 54 16 49					E record obscured by over- lap
May 4	O FE IPN IPRE PRN eN iS SR1E SR1N SR2N L1E L2E LN ME MN CE FN	16 26 40 16 33 36 16 33 53 16 34 55 16 34 47 16 35 58 16 39 00 16 40 55 16 40 52 16 41 11 16 41 37 16 42 30 16 42 45 16 44 45 16 45 26 16 47 19 52				3660	Paper changed between 17 <sup>h</sup> 06 <sup>m</sup> 21 <sup>s</sup> and 17 <sup>h</sup> 16 <sup>m</sup> 21 <sup>s</sup> E record lost after this through overlap.
May 4	eN MN FN	22 51 45 23 39 30 24 19 45	16				E record lost through overlap.
May 5	eS ME MN F	15 19 00 15 20 40 15 20 30 15 27	9	14	17		
May 12	eE ME FE	2 09 40 2 13 10 2 19	25	15			
May 15	e FE FN	21 48 21 54 22 02					



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Date	Phase	Time h m s	Period s	Amplitude		Distance km	Remarks.
				E	N		
1923 May 23	0	22 37 26				4630	E record obscured by overlap.
	PH	22 45 29					
	SN	22 51 51	18				
	L1N	22 56 39					
	L2N	22 57 39					
	L3N	23 00 02	19				
	M1N	23 01 24	18		134		
	M2N	23 09 36	18		57		
June 1	PH	25 26					E-N record obscured by overlap. Apparently same event as preceding earthquake.
May 26	0	9 09					
	F	9 19					
May 28	0N	8 55	6			7	
	FN	9 03					
May 30	0N	9 10	25				
	FN	9 20					
May 30	0N	18 17 00	9		10	6	
	FN	18 39					
May 31	0E	22 57	22		5		
June 4	0N	22 58	17			1	E-N record obscured by overlap.
	F	23 07					
June 5							
June 6							

Periods of pendulums: 12.0 sec.  
 Sensitivity: Before May 22: E, 0.179; N, 0.194  
 After May 22: E, 0.187; N, 0.202  
 Multiplication: 150  
 Damping ratio: near 25:1

Wallace M. Hill,  
 Magnetic Observer



Honolulu Magnetic Observatory  
Earthquake Report for the month of June, 1923.  
Greenwich mean time, midnight to midnight.

Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
1923		h m s	s	μ	μ	km	
June 1	0	17 34 31					
	FN	17 34 08				6100	Activity continues to next earthquake. E-W record obscured by overlap.
	SN	17 41 49	18		33		
	SR1N	17 45 22	20				
	SR2N	17 47 00	24				
	L1N	17 48 22	10				
	L2N	17 49 07	15				
	MN	17 54 40	9		34		
	CN	18 03	11				
June 1	SN(?)	20 32 47	20		19		
	L1N	20 39 12					
	L2N	20 40 20					
	L3N	20 40 37	10				
	MN	20 41 33	14		35		
	C	20 51	10				
	F	21 25	10				
June 2	iE	14 35 23					
	eN	14 35 34					
	ME	14 35 30	15	10			
	MN	14 39 50	9		4		
	FE	14 41					
	FN	14 44					
June 4	iN	21 42 57					E-W record obscured by overlap
	eN	21 43 50	27		10		
	FN	21 54					
June 5	eN	6 39 57					
	eE	6 42 33					
	eN	6 42 33					
	LN	6 44 27	8				
	ME	6 43 57	8	5			
	MN	6 45 05	8		6		
	F	6 49					
June 6	eE	18 00 35	11	8			
	eN	18 01 00	10		8		
	FE	18 03					
	FN	18 10					





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Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
1923 June 18	0	h m s 8 16 30	s	$\mu$	$\mu$	km 4210	$L_E$ indeterminate.
	PE	8 24 07					
	PN	8 24 03	10		14		
	PRN	8 25 26					
	en	8 27 05	11		15		
	SE	8 30 02					
	iSN	8 30 13	10		40		
	iPSE	8 31 00					
	iPSN	8 31 07					
	iSR1E	8 33 27					
	iSR1N	8 33 22					
	eLN	8 35 28					
	ME	8 33 30	22	186			
	MN	8 43 35	16		47		
	FE	9 40					
	FN	9 30					
June 19	0	22 42 38				5030	
	SE	22 58 03					
	SN	22 57 52					
	SR1	23 01 08					
	SR2E	23 01 52					
	L1E	23 03 40					
	L1N	23 03 03					
	L2N	23 05 22	11				
	ME	23 03 50	10	27			
	MN	23 07 40	8		14		
	FE	23 51					
	FN	24 05					
June 22	0	7 00 28				4860	
	PE	7 09 00					
	PN	7 08 48					
	PR1E	7 10 18					
	SE	7 15 42					
	SN	7 15 24					
	LE	7 22 25					
	LN	7 22 40					
	ME	7 32 00	26	184			
	MN	7 32 22	19		1000		
	F	8 36					



Honolulu Magnetic Observatory Earthquake report for June, 1923 - - page 3.

Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
1923 June 22		h m s	s	μ	μ	2820	
	0	20 57 20					
	P <sub>E</sub>	21 03 05					
	P <sub>N</sub>	21 03 00					
	S <sub>N</sub>	21 07 30					
	L <sub>E</sub>	21 09 30	20	10			
	L <sub>N</sub>	21 09 56	30		22		
	F	21 25					
June 26	e <sub>E</sub>	1 19 20	12	5			Not recorded on N
	f <sub>E</sub>	1 21					

Periods of pendulums: 12.0 sec.  
Sensitivity:- E. 0.187; N. 0.202  
Damping ratios: Near 25:1  
Multiplication: 150

W. M. Hill,  
Magnetic Observer.



**Honolulu Magnetic Observatory**  
**Earthquake Report for the month of July, 1923.**  
 (Greenwich mean time, midnight to midnight.)

Date 1923	Phase	Time			Period	Amplitude		Dist- ance.	Remarks
		h	m	s		H	H		
July 2	O PE (7) LE LE NE PE FN	2	28	44				10,150	
		2	41	53					
		2	52	58					
		3	03	30					
		3	07	50	24	14			
		3	30						
July 4	O PE PE SH LE LE NE FN	8	30	53				3,120	A slight disturbance is recorded on E at 8:30:49 and portion lost in next earthquake.
		8	37	04					
		8	37	01					
		8	41	53	6				
		8	43	56					
		8	44	17	8				
		8	49	59	5	7			
		8	46	45	6		14		
July 4	OE OH LE LE NE NE F	9	05	56					Beginning lost in coda of preceding earthquake
		9	05	44					
		9	08	34	6				
		9	08	58	6				
		9	13	16	8	8			
		9	13	13	7		15		
		9	23						
July 4	OE OH PE FN	23	19	20				7,000	
		23	19	40					
		23	30						
		23	33						
July 7	O P S LE NE PE FN	12	55	18				1,940	
		12	59	24					
		13	02	42					
		13	04	11	11				
		13	04	25	11	12			
		13	21						
		13	26						



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Date	Phase	Time	Period	Amplitude		Distance.	Remarks.
				H	N		
1923 July 10	O	0 43 53				6,000	Interpretation doubtful
	PE(?)	0 53 24					
July 11	PN	0 54 24					
	SE	1 01 00	21				
	SH	1 01 10	21				
	L1E	1 08 55					
	L2E	1 14 00	21	8			
	LH	1 14 24	20		10		
	F	2 20					
July 12	O	3 15 14				6,800	
	1P	3 23 29					
	1S	3 30 00	10				
	1L1E	3 33 19	15				
	1L2E	3 34 05	12				
	L1H	3 33 50	15				
	L2H	3 35 00					
	ME	3 35 30	11	48			
	MN	3 36 53	11		60		
	CE	3 42 15					
	PE	3 34					
	PH	5 34					
July 12	1	9 29 02					
	1LE	9 32 05	12				
	LH	9 32 10	11				
	ME	9 34 00	11	14			
July 13	MN	9 35 30	21		22		
	PE	10 14					
	PH	10 23					
July 13	O	11 13 47				7,000	
	P	11 24 15					
	1S	11 32 44	10				
	1L1E	11 41 52	26				
	L2E	11 49 20					
	LH(?)	11 40 04					
	M1E	11 32 46	10	30			
	M2E	11 43 40	20	45			
	M3E	12 00 00	16	30			
	M1H	11 33 01	10		24		
	M2H	11 47 00	12		17		
	PE	13 18					
	PH	12 50					



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Date	Phase	Time	Period	Amplitude		Distance.	Remarks.
				E	N		
1923		h m s	S	μ	μ	km	
July 13	o <sub>3</sub>	16 17 30	13				
	F <sub>o</sub>	16 23					Interpretation based on data records.
July 13	O	23 56 42				6820	Interpretation doubtful.
14	PR(?)	0 07 00					
	S	0 15 20		17			
	L <sub>E</sub>	0 25 40					
	L <sub>N</sub>	0 24 40	22		12		
	PE	0 48					
	PN	0 40					
July 16	O	13 38 18	7			5540	
	oPE	13 47 26					
	PN	13 47 21	9				
	SE	13 54 45					
July 16	SH	13 54 33	11				
	SR1E	13 58 25	15				
	SR1N	13 58 52	11				
	L <sub>E</sub>	14 00 50					
July 16	M <sub>E</sub>	14 03 15					Record obscured by overlapping of traces.
	M <sub>N</sub>	14 01 15	11		19		
	PE	15 01					
	PN	14 55					
July 17	oE	1 23 45	8				Record obscured by overlapping of traces.
	oN	1 23 32	12				
	F	1 27	13				
July 22	O	14 17 40				4270	
	PE	14 25 20					
	1PN	14 25 18					
	PR <sub>1</sub>	14 26 50	13				
	1 <sub>3</sub>	14 31 20					
	oN	14 32 40					
	oLE	14 33 03	11				
	L1 <sub>N</sub>	14 34 32	11				
	L2 <sub>N</sub>	14 35 28					
	L3 <sub>N</sub>	14 36 02					
	M1 <sub>E</sub>	14 36 35	11	62			
	M2 <sub>E</sub>	14 41 35	10	62			
	M <sub>1</sub>	14 36 25	10		63		
	C	14 45					
	F	17 28					



U. S. GEOLOGICAL SURVEY  
MAGNETIC DIVISION

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Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				$\mu$	$\mu$		
1923		h m s	s			km	
July 23	SR1	7 46 19	18				Interpretation based on Sitka record.
	OLR	7 48 15	10				
	L1N	7 47 25	11				
	L2N	7 49 13	10				
	ME	7 50 12	10	17			
	MN	7 49 03	10		24		
	OE	7 57					
	ON	7 54					
	F	8 54					
July 23	o	9 16	7	3	4		
	FN	9 24					
	FN	9 32					
July 26	o	3 36	11	3	3		
	FE	3 38					
	FN	3 31					
July 26	ON	7 44 55	5				E record obscured by overlapping of traces.
	LN	7 48 20	14				
	ME	7 52 46	10		7		
	FN	8 21					
July 26	ON	10 12 57	5				E record obscured by overlapping of traces.
	LN	10 16 21	12				
	MN	10 20 59	12		6		
	FN	11 23					
July 31	O	15 07 49				4120	
	FN	15 15 16					
	ON	15 20 42					
	S	15 21 10	9				
	L1E	15 24 30	11				
	L2E	15 27 00	9				
	L1N	15 24 06	14			6450	partly obscured by overlap
	L2N	15 25 30	10				
	ME	15 27 45	10	33			
	MN	15 33 20	10		22		
	FE	17 32					
	FN	17 45					

Periods of pendulums: 12.0 sec.  
Sensitivity: E. 0.167; N. 0.202  
Damping ratios: near 25:1  
Multiplication: 150.

W. M. Hill,  
Magnetic Observer.



Honolulu Magnetic Observatory  
Earthquake Report for the month of August, 1923.  
Greenwich mean time, midnight to midnight.

Date	Phase	Time			Period	Amplitude.		Dist- ance.	Remarks
		h	m	s		E	N		
1923 Aug. 2	e	9	40	56	7				
	eN	9	41	46					
	N <sub>E</sub>	9	44	31	7	5			
	N <sub>N</sub>	9	43	26	8		4		
	F	9	50						
3	e <sub>E</sub>	10	39	12					
	eN	10	40	40					
	F <sub>E</sub>	10	45	50					
	F <sub>N</sub>	10	48	30					
5	e <sub>E</sub>	1	29	10					
	e <sub>N</sub>	1	29	55					
	N <sub>E</sub>	1	32	20	13	4			N obscured by overlap
	N <sub>N</sub>	1	32	05	13		1		
	F	1	40						
5	e <sub>E</sub>	10	40	00					
	eN	10	36	42					
	N <sub>E</sub>	10	42	45	13	5			
	N <sub>N</sub>	10	41	30	11		2		
	F	10	51						
6	e	8	47	20					
	F	9	00						
10	e <sub>E</sub>	22	25	04				5325	N partly obscured by overlap
	e <sub>S</sub>	22	32	04					
	e <sub>N</sub>	22	33	38					
	L <sub>E</sub>	22	39	50	12				
	L <sub>N</sub>	22	39	50	15				
	N <sub>E</sub>	22	43	25	12	10			
	N <sub>N</sub>	22	43	19	13		10		
	F <sub>E</sub>	23	30						
	F <sub>N</sub>	23	28						
11	e <sub>E</sub>	1	07	28				8430	N partly obscured by overlap
	e <sub>N</sub>	1	11	49					
	S <sub>E</sub>	1	17	16					
	S <sub>N</sub>	1	17	10					
	L <sub>E</sub>	1	32	45					
	L <sub>N</sub>	1	32	58	27	17			
	N <sub>E</sub>	1	17	30	10		5		
	F <sub>E</sub>	2	16		16				
	F <sub>N</sub>	2	18		16				

Date	Phase	Time	Period	Amplitude		Distance	Remarks.
				μ	μ		
1923		h m s	s			km	
Aug. 12	P	10 25 39					
	o <sub>1</sub>	10 37 43					
	o <sub>2</sub>	10 33 50					
	M <sub>1</sub>	10 47 30	17	10			
	M <sub>2</sub>	10 53 00	15		1		
	F <sub>1</sub>	11 21					
	F <sub>2</sub>	11 16					
15	o <sub>1</sub>	7 03 24					
	o <sub>2</sub>	7 04 49					
	M <sub>1</sub>	7 19 00	16	1			
	M <sub>2</sub>	7 15 00	16		1		
	F <sub>1</sub>	7 41					
	F <sub>2</sub>	7 29					
17	o <sub>1</sub>	1 50 51	18		1		H obscured by overlap
	F <sub>1</sub>	2 03					
17	F <sub>1</sub>	12 26 57	10				
	F <sub>2</sub>	12 27 04					
	o <sub>1</sub>	12 34 12	15				
	o <sub>2</sub>	12 33 35	20				
	SR1R	12 36 02					
	M <sub>1</sub>	12 37 40	13	20			
	M <sub>2</sub>	12 37 34	13		30		
	F <sub>1</sub>	13 37	8				
	F <sub>2</sub>	13 31	8				
19	o <sub>1</sub>	12 42 22	8				
	o <sub>2</sub>	12 52 50	15				
	M <sub>1</sub>	12 55 30	19	26			
	F <sub>1</sub>	13 13					
23	P	5 35 19					
	o <sub>1</sub>	5 38 58	8				
	o <sub>2</sub>	5 39 10	8				
	M <sub>1</sub>	5 41 14	8	20			
	M <sub>2</sub>	5 41 20	8		29		
	o <sub>1</sub>	5 49	6				
	o <sub>2</sub>	5 47	7				
	F	6 26 <sup>5</sup>	8				
27	o <sub>1</sub>	8 03 35					
	o <sub>2</sub>	8 02 57					
	F	8 08					





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Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
1923		h m s	s.	μ	μ	km	
Aug. 27	OE	11 50 50					
	PE	11 59 44					
28	OE	23 15 11				4830	E partly obscured by overlap.
✓	OE	23 23 00					
	PE	23 23 28					
	SE	23 29 49					
	SH	23 30 01					
	LE	23 34 35	23				
	LN	23 33 58	14				
	ME	23 38 22	9	59			
	MN	23 40 56	8		72		
	CH	23 52	8				
	FN	26 02	8				
31	OE	12 35 54					
	CH	12 34 12					
	ME	12 48 22	10	4			
	MN	12 46 25	15		6		
	F	13 04					



Period of pendulums: 12 sec.  
Sensitivity:

Up to August 16: E, 0.177; N, 0.209  
After August 16: E, 0.181; N, 0.215  
Multiplication: 150.

W. M. Hill,  
Magnetic Observer.

Honolulu Magnetic Observatory

Earthquake Report for the month of September, 1923.  
Greenwich mean time, midnight to midnight.

Date	Phase	Time	Period	Amplitude		Distance.	Remarks.
				E	N		
1923		h m s	s	μ	μ	km	
Sept. 1	O	2 58 28				6360	M <sub>22</sub> is an estimated value as the spot of light went off the paper in one direction. The motion was so rapid as a result of the large amplitude of the swing after S that L could not be picked out.
	PE	3 08 22	6				
	PH	3 08 17	9				
	SE	3 16 22	11				
	SH	3 16 08	25				
	SR2E	3 21 23					
	SR2H	3 21 30	24				
	M1E	3 25	18	890			
	M1H	3 25	18		1000		
	M2E	3 47	17	1160			
	PE	9 15	14				
	PH	9 22	12				
Sept. 2	O	2 46 45				6100	
	PE	2 56 20					
	PH	2 56 24					
	SE	3 04 00	18				
	SH	3 04 06	13				
	S	3 09 26	22				
	OE	3 12 28	11				
	LN	3 13 26	10				
	OLE	3 14 38	19				
	ME	3 15 58	19	184			
	MN	3 15 56	10		120		
	O	4 02	16				
	P	6 27	3				
Sept. 2	O	9 26 53				6110	
	P	9 36 30					
	S	9 44 12	10				
	OH	9 46 18					
	SR1H	9 49 37	30				
	OE	9 52 08					
	OH	9 52 00	13				
	OLE	9 54 14	22				
	OLH	9 55 07	22				
	ME	9 56 23	20	29			
	MH	9 57 15	11		13		
	PE	11 12	15				
	PH	11 13	12				
Sept. 23		17 44					
		18 12					

Date	Phase	Time.	Period	Amplitude		Dist- ance.	Remarks
				H	N		
1923		n m s	s	μ	μ	km.	
Sept. 2	eH FH	23 02 24 31					E obscured by overlap
Sept. 9	O P SE SH eLE oLN NH NH FE FH	22 18 40 22 28 12 22 35 49 22 35 50 22 46 51 22 46 40 23 01 50 22 49 30 24 28 24 30				6025	
Sept. 12	PE eL NE NH FE FE	6 07 50 6 11 08 6 13 30 6 11 30 6 23 6 20					
Sept. 16	ePE ePH eLE oLN NE NH FE FH	16 54 14 16 54 20 17 05 53 17 06 15 17 12 14 17 10 16 17 36 17 39					
Sept. 17	eH FH	8 17 8 26					
Sept. 22	eH eH FE FH	15 21 12 15 22 01 15 38 15 30					
Sept. 22	ePE eLE oLN NH NH FE FH	19 27 52 21 41 28 21 42 28 21 55 58 22 05 35 22 29 22 24					
Sept. 23	e F	17 44 18 12					

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Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
1923		h m s	s			km	
Sept. 26	eE	8 38 08					
	eN	8 39 17					
	S	8 41 12					
	eN	8 47 11	15				
	LE	8 48 43	18				
	LN	8 48 47	15				
	ME	8 50 09	12	24			
	MI	8 51 41	12		27		
Sept. 27	F	7 22 13					
	FE	8 05					
	FN	7 52					
Sept. 28	eE	21 34 22					
	FE	21 55					
Sept. 30	O	1 21 01				10360	
	eFN	1 34 23					
	eFN	1 34 17					
	SE	1 45 31					
	SN	1 45 58					
	eE	1 58 31	30				
	eN	1 58 27	20				
	LN	2 03 30	39				
	ME	2 10 53	16	28			
	MI	2 10 31	16		46		
FN	3 22	15					



Period of pendulums: 12 sec.

Sensitivity: Up to August 16: E, 0.177; N, 0.209

After August 16: E, 0.181; N, 0.215

Multiplication: 150.

W. M. Hill,

Magnetic Observer.



Honolulu Magnetic Observatory  
Earthquake Report for the month of October, 1923.  
Greenwich mean time, midnight to midnight.

Date	Phase	Time	Period	Amplitude		Dist- ance.	Remarks.
				E	N		
1923. Oct. 7	O	h m s	s	μ	μ	km	
	ePE	3 29 28				8360	
	ePN	3 41 08					
	ePN	3 41 20					
	PR1E	3 43 32					
	PR1N	3 43 57					
	PR2N	3 45 55					
	iSE	3 50 46	20				
	SN	3 50 46	10				
	iPSE	3 51 28	20	115			
	eE	3 54 30	15				
	SR2N	3 59 59	37				
	eE	4 03 20	40				
	iLE	4 06 35	20				
	ME	4 09 28	19	170			
	MN	4 05 30	21		85		
	CE	4 24					
	F	5 19					
Oct. 10	SN(?)	7 34 20					Nothing definite on E.
	eLN	7 56 15	25				
	MN	8 03 00	16		13		
	F	8 09					

Period of pendulums: 11.9 sec.  
Sensitivity: E. 0.177; N. 0.181  
Damping ratios: near 25:1  
Multiplication: 150

W. M. Hill,  
Magnetic Observer.



HONOLULU MAGNETIC OBSERVATORY

Earthquake Report for the month of November, 1923.  
Greenwich mean time, midnight to midnight.

Date 1923	Phase	Time	Period	Amplitude		Dis- tance	Remarks
				E	N		
		h m s	s	$\mu$	$\mu$	km	
Nov. 2	O	21 08 53				5510	Most of E record lost through over- lapping of traces.
	iP <sub>E</sub>	21 17 54	8				
	P <sub>N</sub>	21 18 04					
	S <sub>N</sub>	21 25 04	9				
	L <sub>N1</sub>	21 30 40					
	iL <sub>N2</sub>	21 31 25					
	M <sub>N</sub>	21 37 20	12	155			
	C <sub>N</sub>	21 51					
	F <sub>N</sub>	23 05					
3	iE	16 38 41	15				
	eN	16 38 35					
	eN	16 46 00					
	LE	16 48 40	30				
	LN	16 49 37	26				
	ME	16 50 30	25	105			
	MN	16 50 50	25		60		
	FE	17 39					
	FN	17 16					
4	O	0 04 18				6050	
	P <sub>E</sub>	0 13 52	3				
	eP <sub>N</sub>	0 13 58					
	iS	0 21 31	12				
	P <sub>S</sub> E	0 22 04	11				
	SR <sub>E</sub> (2)	0 27 <sup>b</sup> 20					
	SR <sub>N</sub> (2)	0 27 00	15				
	LE	0 29 35	30				
	LN	0 30 20	25				
	ME	0 32 05	20	225			
	MN	0 31 28	25		300		
	F	1 31					
4	eE	20 29					
	eN	20 34 34					
	F	20 37					
5	O	21 38 10				5660	Most of E record lost through overlapping of traces
	P	21 47 21	20				
	iS <sub>N</sub>	21 54 38	30				
	SR <sub>LN</sub>	21 58 09	23				
	M <sub>N</sub>	21 59 08	21		95		
F <sub>N</sub>	22 46						



		h	m	s	s	$\mu$	$\mu$	km	
Nov 8	eE	0	14	<sup>4</sup> 49					
	eN	0	14	43	11				
	M <sub>E</sub>	0	17	08	10	15			
	M <sub>N</sub>	0	15	52	9		15		
	F <sub>E</sub>	0	24						
	F <sub>N</sub>	0	21						
9	eE	3	41	45					
	eE	3	43	56	10				
	eN	3	41	10	15				
	M <sub>E</sub>	3	47	20	7	15			
	M <sub>N</sub>	3	43	10	9		10		
	F	3	53						
10	eE	4	23	16					Merely an irregularity in the microseisms.
	F <sub>E</sub>	4	28						
12	eN	12	05	00					Activity on E barely perceptible.
	M <sub>N</sub>	12	06	30	25		25		
	F <sub>N</sub>	12	10						
16	eE	4	31	00					Nothing on N.
	M <sub>E</sub>	4	32	50	10	20			
	F <sub>E</sub>	4	47						
17	eE	3	05	15	7				
	eN	3	05	20					
	eN	3	06	23	5				
	L <sub>E</sub>	3	07	15	14				
	L <sub>N</sub>	3	07	25	11				
	M <sub>E</sub>	3	12	28	9	25			
	M <sub>N</sub>	3	11	27	16		65		
	F	3	33						
18	eE	22	04	45	21	15			No definite maximum.
	F <sub>E</sub>	22	18						
19	eE	21	02	18					
	eN	21	02	25					
	M <sub>E</sub>	21	05	30	6	5			
	F <sub>E</sub>	21	06						
	F <sub>N</sub>	21	05	30					
25	eE	17	38		18				Very slight.
	F <sub>E</sub>	17	48						

Periods of pendulums: before Nov.15, 11.9 sec. Damping ratios: near 30:1  
 after Nov.15, 12.0 sec.  
 Sensitivities: before Nov.15; E, 0.168; N, 0.200 Multiplication: 150  
 after Nov. 15; E, 0.174; N, 0.200

W. M. Hill, Magnetic Observer.

Honolulu Magnetic Observatory  
Earthquake Report for the month of December, 1925.  
Greenwich mean time, midnight to midnight.

Date	Phase.	Time.	Period	Amplitude		Dist- ance.	Remarks
				E	H		
1925		h m s	s	$\mu$	$\mu$	km	
Dec. 5	eI <sub>g</sub>	23 10					
	F <sub>E</sub>	23 25					
Dec. 7	eN	16 13					
	M <sub>1</sub>	16 15 20	28		15		
	F	16 20					
	e <sub>2</sub>	19 39 00					
	M <sub>2</sub>	19 40 20	20	10			
	F <sub>2</sub>	19 47					

Periods of pendulums: 12.0 sec.  
Sensitivity: E, 0.174; H, 0.200  
Multiplication: 150  
Damping ratio: near 50:1

W. M. Hill,  
Magnetic Observer.

