

DEPARTMENT OF COMMERCE  
U. S. Coast and Geodetic Survey

Geophysics Library

Preliminary Earthquake Report of the Seismological Station at  
HONOLULU, T. H.

Instruments: Milne-Shaw. T - 12 s. V - 150. Damping about 20: 1

Date	Phase	Time /	Period	Trace Amplitude		Remarks
				N	E	
1928 1-10		h. m. s.	s.	In 1/10 mm.		
Jan. 6	ePE	20 45 50				
	LN?	20 50.0				
	LE?	20 49 40				
	LN?	20 59 35				
	LE?	20 58 00				
	eN	21 04 50				
	F	21 40				
Jan. 18	iP	3 25 13				
	F	3 26.0				
Jan. 19	e	23 09.0				
	M <sub>1N</sub>	23 11				
	M <sub>1E</sub>	23 09.3				
	F	23 25				
Jan. 29	M <sub>N</sub>	0 17 30				
	M <sub>E</sub>	0 16 30				

J. H. Peters,  
Officer in Charge.



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Date	Phase	Time	Period	Trace Amplitude		Remarks
				N	E	
1928		h. m. s.	s.	In 1/10 mm.		
Feb. 4	e F	6 37.0 6 50				
Feb. 5 6 7						Activity. No distinct phases.
Feb. 19	iP F	3 55 45 3 57.7				
Feb. 21	eP <sub>R</sub> <sub>E</sub> S SR <sub>N</sub> SR <sub>E</sub> LN LE M <sub>1N</sub> M <sub>1E</sub> F	19 59 40 20 04 21 20 08 00 20 07 30 20 11 30 20 10 20 20 14 12 20 13.0 21 22	16 11	41	85	
Feb. 22	e F	13 21 13 24				
Feb. 24	e F	14 29 14 43				
Feb. 26	e <sub>G</sub> eL <sub>N</sub> eL <sub>E</sub> M <sub>1N</sub> M <sub>1E</sub> F	1 38 10 1 42.0 1 40.3 1 46.3 1 44.0 1 56	8 11	30	55	

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Date	Phase	Time	Period	Trace Amplitude		Remarks
				N	E	
1928		h. m. s.	s.	In 1/10 mm.		
Mar. 9	iP <sub>N</sub>	18 24 49				
	iP <sub>E</sub>	18 24 42				
	PR <sub>2</sub>	18 29 38				
	S <sub>N</sub>	18 34 37				
	S <sub>E</sub>	18 34 32				
	SR <sub>1N</sub>	18 39 50				
	SR <sub>1E</sub>	18 40 03				
	SR <sub>2E</sub>	18 43 55				
	SR <sub>3N</sub>	18 45 23				
	L <sub>N</sub>	18 51 19				
	L <sub>E</sub>	18 49 30				
	M <sub>1N</sub>	18 52.7	40	35		
	M <sub>1E</sub>	19 14.0	20		44	
	F	21 00				
Mar. 13	iP	18 41 13				
	PR <sub>1N</sub>	18 44 48				
	S <sub>N</sub>	18 48 46				
	S <sub>E</sub>	18 48 58				
	L <sub>N</sub>	18 54 30				
	L <sub>E</sub>	18 56 35				
	M <sub>1N</sub>	19 04 00	11	40		
	M <sub>1E</sub>	18 57.5	30		30	
	F	19 40				
Mar. 16	eP <sub>N</sub>	5 10 27				
	eP <sub>E</sub>	5 10 24				
	PR <sub>2N</sub>	5 14 10				
	PR <sub>2E</sub>	5 12 22				
	S <sub>N</sub>	5 18 00				
	S <sub>E</sub>	5 17 40				
	SR <sub>1N</sub>	5 20 30				
	SR <sub>2N</sub>	5 21 56				
	SR <sub>2E</sub>	5 21 35				
	SR <sub>5</sub>	5 23 30				
	L <sub>1N</sub>	5 24 36				

(Continued)



Honolulu. - March, 1928.

1928		h. m. s.	s.		
Mar. 16		(continued)			
	L <sub>1</sub> E	5 25 13			
	L <sub>2</sub> N	5 26 20			
	L <sub>2</sub> E	5 26 30			
	M <sub>2</sub> N	5 30 36	20	145	
	M <sub>2</sub> E	5 28 20	16		245
	F	8 24			
Mar. 16	e	3 25.0			
	F	3 50			
Mar. 18	e <sub>N</sub>	12 24.7			
	e <sub>E</sub>	12 25.0			
	F	12 54			
Mar. 22	P <sub>N</sub>	4 27 07			
	P <sub>E</sub>	4 26 57			
	S	4 35 08			
	SR <sub>1</sub> N	4 39 13			
	SR <sub>1</sub> E	4 39 03			
	SR <sub>2</sub> N	4 41 15			
	SR <sub>2</sub> E	4 41 36			
	L <sub>N</sub>	4 45 39			
	L <sub>E</sub>	4 44 53			
	M <sub>1</sub> N	4 47.1	10	100	
	M <sub>1</sub> E	4 47 10	10		123
	F	6 35			
Mar. 25	e <sub>E</sub>	6 03.6			
	F	6 09			
Mar. 29	iP <sub>N</sub>	5 15 20			
	iP <sub>E</sub>	5 15 24			
	e <sub>N</sub>	5 22 42			
	e <sub>E</sub>	5 22 34			
	e <sub>N</sub>	5 29 40			
	F	6 10			

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Date	Phase	Time	Period	Trace Amplitude		Remarks
				N	E	
1928		h. m. s.	s.	In 1/10 mm.		
Apr. 9	Sg	17 59 00				
	eN	18 13 58				
	Lg	18 17 47				
	L <sub>N</sub>	18 18 58				
	M <sub>1N</sub>	18 20.0	21	10		
	M <sub>1E</sub>	18 21.0	21		20	
	F	18 57				
Apr. 13	eL <sub>1</sub>	23 45.0				Finish lost changing paper.
Apr. 14	eL <sub>1N</sub>	9 58.6				
	eL <sub>1E</sub>	10 10.0				
	F	10 28				
Apr. 15	P	4 00 30				Local shock. Not felt. Probably blasting.
Apr. 17	P <sub>N</sub>	3 35 20				
	P <sub>E</sub>	3 35 40				
	S <sub>N</sub>	3 43 10				
	S <sub>E</sub>	3 43 20				
	L	3 50.0				
	F	4 21				
Apr. 18	PS <sub>N</sub>	19 52 33				
	e <sub>E</sub>	19 54 18				
	SR <sub>1N</sub>	19 58 50				
	SR <sub>1E</sub>	19 59 10				
	e <sub>E</sub>	20 16 20				
	e <sub>N</sub>	20 16 50				
	eL <sub>1E</sub>	20 21 30				
	eL <sub>1N</sub>	20 21.6				
	M <sub>1N</sub>	20 25.7	28	30		
	M <sub>1E</sub>	20 36.0	21		10	
	F	21 20				



Honolulu -- April, 1926.

1926		h. m. s.	s.	
Apr. 19	P	17 12 15		Artificial disturbances.
	P <sub>N</sub>	17 22 40		
	P <sub>E</sub>	17 22 44		
	P	20 20 05		
Apr. 20	P <sub>E</sub>	3 49 15		Artificial disturbances.
	P <sub>N</sub>	19 57 20		
	P <sub>E</sub>	19 57 25		
Apr. 24	e <sub>E</sub>	16 01 40		NS record lost.
	F	16 05.0		
Apr. 24	e <sub>E</sub>	20 35 50		NS record lost.
	F	20 41.0		
Apr. 24	e <sub>E</sub>	21 49 30		NS record lost.
	F	21 53.0		
Apr. 24	e <sub>E</sub>	22 12 17		NS record lost.
	F	22 16		
Apr. 24	e <sub>E</sub>	22 31.0		NS record lost.
	F	22 35		
Apr. 25	P <sub>E</sub>	22 12 40		Artificial disturbances.
	P <sub>E</sub>	22 17 45		

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Date	Phase	Time	Period	Trace Amplitude		Remarks
				N	E	
1928		h. m. s.	s.	In 1/10 mm.		
May 1	eL <sub>1</sub> E	19 16.0				Nothing on NS.
	M <sub>1</sub> E	19 20.0				
	F	19 28				
May 8	i <sub>N</sub>	4 54 13				
	i <sub>E</sub>	4 54 18				
	e	5 00 50				
	e <sub>N</sub>	5 02 53				
	e <sub>E</sub>	5 04 04				
	e <sub>N</sub>	5 10 09				
	F	5 12				
May 14	i <sub>P</sub> E	22 27 12				
	i <sub>P</sub> N	22 27 18				
	e <sub>E</sub>	22 29 50				
	e <sub>N</sub>	22 29 53				
	S <sub>E</sub>	22 37 27				
	S <sub>N</sub>	22 37 32				
	P <sub>S</sub> E	22 37 55				
	P <sub>S</sub> N	22 38 04				
	SR <sub>1</sub> N	22 40 20				
	SR <sub>1</sub> E	22 44 15				
	L <sub>E</sub>	22 48 50				
	L <sub>N</sub>	22 49 18				
	M <sub>1</sub> E	22 53.9	13	60		
	M <sub>1</sub> N	22 58.0	23		95	
	F	25 10				
May 16	e	5 27 09				
	e <sub>N</sub>	5 29 40				
	F	5 40				
May 27	e <sub>P</sub> E	9 59 48				
	e <sub>S</sub> N	10 07 06				
		(continued)				



Honolulu - May, 1926.

1926		h. m. s.	s.		
May 27	iS	10 07 18			
	L <sub>N</sub>	10 13 13			
	L <sub>E</sub>	10 14 32			
	M <sub>1N</sub>	10 17 30	10	80	
	M <sub>1E</sub>	10 17 36	10		50
	F	12 10			
May 28	eL <sub>1N</sub>	6 58 20			
	eL <sub>1E</sub>	6 58 30			
	M <sub>1N</sub>	7 01.0	11	55	
	M <sub>1E</sub>	7 01.0	11		40
	F	7 15			

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Date	Phase	Time	Period	Trace Amplitude		Remarks
				N	E	
1928		h. m. s.	s.	In 1/10 mm.		
June 1	S	13 29 12				
	eL <sub>1</sub> N	13 34 30				
	eL <sub>1</sub> E	13 37.0				
	M <sub>1</sub> N	13 38.9	12	15		
	F	14 17				
June 7	e <sub>N</sub>	2 53.0				
	e <sub>E</sub>	2 55.0				
June 8	e <sub>E</sub>	14 46 55				
	e <sub>E</sub>	14 48 20				
	e <sub>N</sub>	14 48 30				
	S <sub>E</sub>	14 52 47				
	S <sub>N</sub>	14 53 20				
	L <sub>N</sub>	14 55 13				
	L <sub>E</sub>	14 55 26				
	M <sub>1</sub> N	14 56 36	13	42		
	M <sub>1</sub> E	14 57 55	10		43	
	F	16 10				
June 15	1P	6 24 35				
	PR <sub>1</sub> N	6 27 20				
	PR <sub>1</sub> E	6 27 40				
	PR <sub>2</sub> E	6 29 30				
	PR <sub>2</sub> N	6 30 10				
	S <sub>E</sub>	6 34 18				
	S <sub>N</sub>	6 34 26				
	SR <sub>1</sub> E	6 38 37				
	L <sub>N</sub>	6 44 10				
	L <sub>E</sub>	6 47 32				
	M <sub>1</sub> N	6 46 00	13	20		
	M <sub>1</sub> E	6 53.1	20		15	
	F	7 40				



Honolulu - June, 1928.

1928		h. m. s.	s.			
June 15	e <sub>N</sub>	17 38 00				
	e <sub>E</sub>	17 38 15				
	e <sub>E</sub>	17 51 15				
	F	18 30				
June 16	e <sub>E</sub>	18 55 00				
	e <sub>N</sub>	18 55.5				
	F	19 08				
June 17	iP	3 29 28				
	e	3 31 20				
	e <sub>E</sub>	3 32 40				
	e <sub>N</sub>	3 33 50				
	e <sub>E</sub>	3 34 10				
	e <sub>N</sub>	3 34 23				
	iS	3 37 50				
	iSR <sub>1E</sub>	3 41 30				
	iSR <sub>1N</sub>	3 41 52				
	iSR <sub>2N</sub>	3 43 50				
	i <sub>E</sub>	3 44 46				
	L <sub>N</sub>	3 46 23				
	L <sub>E</sub>	3 46 36				
	M <sub>1E</sub>	3 50.0	18		400	
	M <sub>1N</sub>	3 53.1	8		290	
	F	7 50				
June 21	e <sub>P<sub>N</sub></sub>	10 48 18				
	e <sub>P<sub>E</sub></sub>	10 48 20				
	e <sub>N</sub>	10 49 58				
	S <sub>E</sub>	10 54 52				
	S <sub>N</sub>	10 54 55				
	SR <sub>1E</sub>	10 57 40				
	SR <sub>1N</sub>	10 57 50				
	L <sub>N</sub>	10 59 08				
	L <sub>E</sub>	10 59 10				
	M <sub>1N</sub>	11 00 40	10		100	
	M <sub>1E</sub>	11 00 55	11		90	
	F	12 47				
June 21	iP <sub>N</sub>	16 34 45				
	iP <sub>E</sub>	16 34 50				
	PR <sub>1N</sub>	16 36 28				
	PR <sub>1E</sub>	16 36 51				
	S	16 40 50				
	L <sub>E</sub>	16 43 50				
		(continued)				



Honolulu - June, 1928.

1928		h. m. s.	s.		
June 21		(continued)			
	LN	16 44 00			
	M <sub>1B</sub>	16 45.5	12		150
	M <sub>1N</sub>	16 48 30	19	175	
	P	19 00			
June 23	e	7 35.0			
	F	7 40.3			
June 29	1P <sub>E</sub>	22 58 20			
	1P <sub>N</sub>	22 58 23			
	PR <sub>1N</sub>	23 00 13			
	PR <sub>1E</sub>	23 00 15			
	1S <sub>E</sub>	23 05 16			
	1S <sub>N</sub>	23 05 23			
	LE	23 08 28			
	LN	23 09.9			
	M <sub>1N</sub>	23 12.1	10	238	
	M <sub>1E</sub>	23 13.0	10		135
	P	25.4			

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Date	Phase	Time	Period	Trace Amplitude		Remarks
				N	E	
1928		h. m. s.	s.	In 1/10 mm.		
July 9	1P	21 32 41				
	1S	21 40 00				
	eN	21 41 01				
	SR <sub>2</sub> , 1N	21 45.3				
	1LFE	21 47 03				
	1LFN	21 47 13				
	M <sub>1</sub> E	21 47 35	15		60	
	M <sub>1</sub> N	21 50 05	11	90		
F	23 00					
July 10	eL <sub>E</sub>	10 02				
	eL <sub>N</sub>	10 06				
	F	10 10				
July 11	e <sub>3</sub>	3 01.4				
	eL	3 08.5				
	M <sub>1</sub> N	3 18.5	14	3		
	M <sub>1</sub> E	3 19.4	11		3	
	F	3 28				
July 13	eL <sub>N</sub>	10 27.2				
	F	10.9				
July 18	1P	19 17 30				
	eS <sub>E</sub>	19 27 47				
	eS <sub>N</sub>	19 27 53				
	PS <sub>E</sub>	19 26 28				
	LQ <sub>N</sub>	19 39.5				
	1FE	19 43.0				
	M <sub>1</sub> N	19 47	20	25		
	F	22.0				



Honolulu - July, 1926.

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1926		h. m. s.	s.	
July 22	eN	7 54.7		
	ep	7 55.3		
	Lg	7 58.7		
	LW	8 01.2		
	F	8.2		

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Instruments: Milne-Shaw. T - 12 a. V - 150. Damping: about 20:1

Date	Phase	Time	Period	Trace Amplitude		Remarks
				N	E	
1926		h. m. s.	s.	In 1/10 mm.		
Aug. 4	eP	18 36 06				
	PR <sub>1</sub> N	18 38 13				
	PR <sub>1</sub> E	18 38 30				
	PR <sub>2</sub> E	18 39 35				
	i <sub>B</sub>	18 41 00				
	S	18 43 50				
	ISR <sub>1</sub> N	18 45 47				
	SR <sub>2</sub>	18 47 44				
	LN	18 49 38				
	LE	18 51 40				
	M <sub>1</sub> E	18 54 40	10		75	
	M <sub>1</sub> N	18 55 20	20	65		
	F	21 00				
Aug. 12	iP	4 48 30				Slight local shock. Prob-
	F	4 50				ably a blast.
Aug. 12	iP	8 20 20				Characteristic "L" phases
	e <sub>E</sub>	8 25 50				lacking. "S" phase has
	e <sub>N</sub>	8 25 58				largest amplitude on the
	IS <sub>N</sub>	8 29 49				seismogram.
	IS <sub>E</sub>	8 29 50				
	i <sub>E</sub>	8 30 30				
	LE	8 38 00				
	F	9 00				
Aug. 13	e <sub>E</sub>	3 47 00				
	e <sub>N</sub>	3 48 00				
	M <sub>1</sub> N	3 48 35				
	M <sub>1</sub> E	3 48 40				
	F	4 00				
Aug. 19	iP	4 47 06				Slight local shock. May be
	F	4 48				blasting.



Honolulu - August, 1926.

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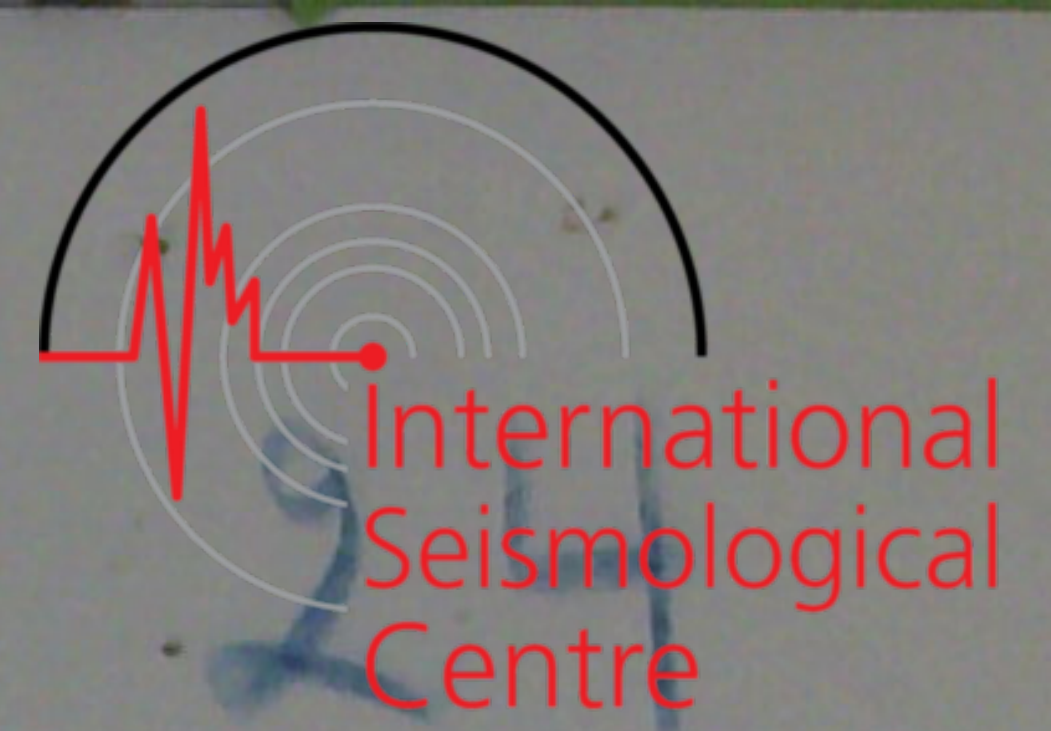
1926		h. m. s.	s.		
Aug. 24	eP	21 52 49			
	iS	21 59 02			
	iN	22 00 13			
	iE	22 00 17			
	L <sub>N</sub>	22 03 56			
	L <sub>E</sub>	22 03 47			
	M <sub>1E</sub>	22 04 15		40	20
	M <sub>1N</sub>	22 04 30			
	F	23 59			
Aug. 26	eE	4 19 33			
	eN	4 20 17			
	M <sub>1N</sub>	4 21 30	11	17	
	M <sub>1E</sub>	4 21 30	11		15
	iP	4 28 33			
	F	4 50			

Slight local shock during teleseisms. Probably a blast.

J. H. Peters,  
Officer in Charge.



U. S. Coast and Geodetic Survey  
Department of Commerce



Preliminary Earthquake Report of the Seismological Station at  
HONOLULU (University of Hawaii), Oahu, Hawaii.

Instruments: Milne-Shaw  $T_0$  -- 12.0 s. V -- 150 Damping: 20%  
See quarterly seismological reports of the C. and G. Survey for other constants.

MAY 28 8 30 AM 1928

Date	Phase	Time h. m. s.	Period s.	Trace Amplitude		Remarks
				E	N	
1928				In 1/10 mm.		
Sept. 1	eL <sub>E</sub> ?	7 06.5				EW record very weak.
	eL <sub>N</sub>	7 06.5				
	M <sub>1N</sub>	7 14.5	19		5	
	F	7.4				
Sept. 2	eL <sub>E</sub>	17 13.9	11			No preliminaries apparent.
	eL <sub>N</sub>	17 14.0	11			
	M <sub>E</sub>	17 18	12	10		
	M <sub>N</sub>	17 18	12		12	
	F	17.5				
Sept. 6	eL <sub>N</sub> ?	6 53.0	9		3	Very weak record. Practically nothing on EW.
	F	7 02				
Sept. 6	L <sub>EN</sub>	9 08.3				Preliminary waves not recorded.
	M <sub>E</sub>	9 10		10		
	M <sub>N</sub>	9 12			10	
	F	9.3				
Sept. 6	eL <sub>E</sub>	12 49.7	10	3		Weak and indefinite.
	eL <sub>N</sub>	12 50			2	
	F	12 58				
Sept. 7	P <sub>E</sub> ?	2 59 30				
	S <sub>E</sub> ?	3 07 20				
	L <sub>E</sub>	3 16.5	26			
	eL <sub>N</sub>	3 17				
	M <sub>N</sub>	3 21.2	10		5	
	M <sub>E</sub>	3 22.5	20	6		
Sept. 11	F	3.5				
	S <sub>E</sub> ?	0 54.3	5	7		
	S <sub>N</sub> ?	0 54.3				
	eL <sub>N</sub> ?	1 01	15?		5	
	L <sub>E</sub>	1 02.0	30	5		
F	1.3					



Honolulu - September 1928.



1928		h. m. s.	s.	In 1/10 mm.			
Sept. 11	ePE	12 44 18					
	ePN	12 44 20					
	iSN	12 48 29					
	eE	12 49.0					
	LqEN	12 50 00	17				
	M <sub>1N</sub>	12 53 45	9	200			
	M <sub>1E</sub>	12 53 50	9	220			
	F	15.0					
Sept. 12	ePE?	1 28.7		7			
	iPN?	1 28 55			20		
	iSE	1 36 18		20			
	eSN	1 36 20			10		
	LN	1 42.5					
	LE	1 42.7					
	M <sub>N</sub>	1 43 20	14		12		
	M <sub>E</sub>	1 43 30	12	15			
	F	2.0					
	Sept. 13	iS <sub>EN</sub>	3 48 00		20	3	Well defined sinusoidal Lr(?) waves on EW; practically nothing on NS. Az. nearly due E or W.
LE		4 01.5	30				
M <sub>E</sub>		4 02.5	30	5			
M <sub>N</sub>		4 05	20?		2		
F		4.2					
Sept. 19	eSE?	8 32.9	10	2			
	LE	8 41.0	21	4			
	eLN	8 41			2		
	F	8.9					
Sept. 22	LE	6 12.5	15			Clearly defined surface waves but no preliminaries.	
	M <sub>1E</sub>	6 14.0	11	10			
	LN	6 12.6	14				
	M <sub>1N</sub>	6 14.0	10		12		
	F	6.8					
Sept. 22	iPE	7 40 09	17?	10		iSR <sub>1</sub> ? is a well defined sinusoidal isolated activity; possibly Lq.	
	iPN	7 40 09	17		9		
	PR <sub>1E</sub>	7 42.0	6	8			
	iSE	7 47 21					
	eSN	7 47 21	11		8		
	iPSE	7 47 41					
	iPSN	7 47 41	15		30		
	iN	7 49 18	10		12		
	LqN?	7 51.3	26		45		
	iSR <sub>1E</sub> ?	7 51 48	14	36			
		(continued)					



Honolulu - September, 1928.

1928		h. m. s.	s.	In 1/10 mm.	
(Sept. 22)	LN?	7 52.3	13		60
	M <sub>1N</sub>	7 58	20,40		80
	LE	7 52.6	12	40	
	M <sub>2</sub>	7 56.5	19	50	
	F	10.0			
Sept. 22	LE	22 10.3	11	5	
	LN	22 10.3	11		5
	F	22.4			
Sept. 25	S <sub>1N</sub>	8 17 54	10	5	7
	L <sub>1N</sub>	8 23.3	11		
	M <sub>1</sub>	8 23 45	11		15
	M <sub>2</sub>	8 24 15	11	15	
	F	8.6			

Honolulu, T. H., October 7, 1928.

(Signed) J. H. Peters,  
Officer in Charge.





U. S. Coast and Geodetic Survey  
Department of Commerce

Preliminary Earthquake Report of the Seismological Station at  
HONOLULU (University of Hawaii), Oahu, Hawaii.

Instruments: Milne-Shaw  $T_0$  -- 12.0 s. V -- 150 Damping: 20:1  
See quarterly seismological reports of the U. and G. Survey for other constants.

Date	Phase	Time h. m. s.	Period s.	Trace Amplitude		Remarks
				E	N	
				In 1/10 mm.		
Oct. 9	1F <sub>EN</sub>	3 11 07				
	S <sub>EN</sub>	3 16 59	16	128	120	Off Mexico.
	L <sub>E</sub>	3 26.7	15			
	L <sub>N</sub>	3 25.2	15			
	M <sub>N</sub>	3 19 12	22		123	
	M <sub>E</sub>	3 31 20	20	150		
F	6 15					
Oct. 12	e	7 45.1				
	L <sub>E</sub>	7 57.7		20		
	F	8 05				
Oct. 13	eL <sub>E</sub>	15 54	24	50		
	F	16 0				
" 15	L <sub>EN</sub>	8 54.8	20			
	M <sub>N</sub>	9 00.6	12		65	
	M <sub>E</sub>	9 02.2	10	30		
	F	9 30				
Oct. 15	L <sub>EN</sub>	15 12	30			
	M <sub>E</sub>	15 15	30	10		
	M <sub>N</sub>	15 25	15		12	
	F	15 45				
Oct. 17	L <sub>N</sub>	16 12				Weak record on EN.
	M <sub>N</sub>	16 16	20		25	
	F	16 50				
Oct. 19	1S <sub>EN</sub>	10 36 00	17	10	22	
	L	10 43.5				
	M <sub>E</sub>	10 45.3	12	25		
	M <sub>N</sub>	10 49	18		30	
	F	11.7				



Honolulu - October, 1928.

Page 2.

1928		h. m. s.	s.	In 1/10 mm.
Oct. 21	LEN	15 35.5	13	
	ME	15 35 45		15
	MN	15 36 30		17
	F	15 39		
Oct. 23	iSEN?	18 07 16	10	
	LEN	18 11	22	
	MN	18 16		15
	ME	18 17		15
	FEN	18 20		
Oct. 25	SEN	12 53 10		
	LN	13 01	22	
	LE	13 05	20	
	MN	13 02		20
	ME	13 10		10
	FN	13 10		
	FE	13 20		

Honolulu, T. H.  
November 1, 1928.

(Signed) J. H. Peters,  
In Charge.



U. S. Coast and Geodetic Survey  
Department of Commerce

Preliminary Earthquake Report of the Seismological Station at  
HONOLULU (University of Hawaii), Oahu, Hawaii.

Instruments: Milne-Shaw       $T_0$  -- 12.0 s.    V -- 150    Damping: 20:1  
See quarterly seismological reports of the C. and G. Survey for other constants.

Date	Phase	Time	Period	Trace Amplitude		Remarks
				E	N	
1928		h. m. s.	s.	In 1/10 mm.		
Nov. 1	LN	4 35.4				
	LE	4 36.5				
	ME	4 37 25	10	30		
	MN	4 37 35	10		40	
	FN	4 38				
	FE	4 55				
Nov. 6	eFN	4 14 40				
	iSE	4 21 39		55		
	iSN	4 21 41			60	
	SR <sub>2</sub> N	4 24 45				
	SR <sub>2</sub> E	4 24 50				
	LEN	4 26 26				
	MN	4 29 10	12		70	
	ME	4 29 52	11	65		
	FEN	5 30				
Nov. 7	e	15 42	10	10	10	
	F	15.9				
Nov. 10	S	12 44.7				Wellington reports 21.6°
	SR,L	12 50.3	11	10	10	0 12-27:27. May be near New
	M <sub>1</sub> EN	13 02.5	16	15	15	Caledonia or in Tonga Deep.
	F	13.3				Honolulu record points to New
						Caledonia.
Nov. 15	LN	13 33	25			
	MN	13 35	22		15	
	FN	13 40				
Nov. 20	iSE	20 59 15				
	SR <sub>1</sub> N	21 06 42				
		(continued)				



Honolulu - November, 1928.

1928		h. m. s.	s.	In 1/10 mm.	
(Nov. 20)		(continued)			
	SR <sub>1</sub> E	21 06 45			
	L <sub>EN</sub>	21 19.0	30		
	M <sub>N</sub>	21 20 20	25		30
	M <sub>E</sub>	21 20 45	25	40	
	F <sub>EN</sub>	21 45			
Nov. 28	SE?	11 07.3			
	L <sub>E</sub>	11 25.2	25		
	M <sub>E</sub>	11 27		15	
	F <sub>E</sub>	11 42			
Nov. 29	L <sub>EN</sub>	14 11.8	11	25	25
	F	14 14			
Nov. 29	eL	18 17	17	25	25
	F	19.0			

Honolulu, T. H., December 5, 1928.

(Signed) J. H. Peters,  
Officer in Charge.



DEPARTMENT OF COMMERCE  
U. S. Coast and Geodetic Survey



Preliminary Earthquake Report of the Seismological Station at  
HONOLULU, T. H.

Instruments: Milne-Shaw, T - 12.0 s., V - 150, Damping - 20 : 1  
See quarterly seismological reports of the C. and G. Survey for other constants

Date	Phase	Time	Period	Trace Amplitude		Remarks
				E	N	
1928		h. m. s.	s.	In 1/10 mm		
Dec. 1	ePE	4 20.2				NS record lost.
	ePR <sub>1</sub> E	4 24.7				
	S <sub>c</sub> P <sub>c</sub> S <sub>E</sub>	4 30 22				
	ePSE	4 32.6				
	SR <sub>1</sub> E	4 37.3				
	LQE	4 48.0	40?			
	iLrE	4 51 47	28			
	M <sub>1</sub> E	4 54.3	20	100		
	F <sub>E</sub>	8.0				
Dec. 2	S <sub>E</sub>	4 45 37				
	iLrE	5 06 20	28			
	eLrN	5 07.3				
	LrN	5 09.7	20		25	
	LrE	5 14.0				
	M <sub>1</sub> E	5 18.8	16		18	
	LrN	5 13.7				
	M <sub>1</sub> N	5 17.0	16		35	
	F	6.2				
Dec. 7	LE	9 47.7	27		1	Only a trace on NS.
	eLE	9 56.0				
	M <sub>1</sub> E	9 57	20		17	
	F	10 19				
Dec. 9	eN	0 22.4				
	eLN	0 23.3				
	eE	0 23.0				
	M <sub>1</sub> N	0 23.7	14		20	
	iLE	0 23.7				
	M <sub>1</sub> E	00 24.7	14		25	
Dec. 9	eE	5 29.7				
	eN	5 29 33				
	LE	5 31.3				
	M <sub>1</sub> E	5 32.3	13		41	
	LN	5 30.9				
	M <sub>1</sub> N	5 32.4	13		45	
	F	5 56				



Honolulu.- December, 1928.

		h. m. s.	s.			
Dec. 9	e <sub>E</sub>	18 35.0				
	e <sub>N</sub>	18 34.9				
	e <sub>L<sub>E</sub></sub>	18 36.0				
	M <sub>1E</sub>	18 37.4	16	26		
	i <sub>L<sub>N</sub></sub>	18 36.0	12		35	
	F	18 51				M <sub>1N</sub> 18:37.3 12s.
Dec. 12	e <sub>P<sub>E</sub></sub>	20 29.4				
	i <sub>S<sub>E</sub></sub>	20 36 28	12	25		
	i <sub>S<sub>N</sub></sub>	20 36 28	13		30	
	i <sub>E</sub>	20 38 40	9	30		
	e <sub>L<sub>E</sub></sub>	20 41.6	12			
	M <sub>1E</sub>	20 44.2	13	51		
	i <sub>L<sub>N</sub></sub>	20 42 48	12			
	M <sub>1N</sub>	20 44.2	12		44	
	F	21 37				
Dec. 19	e <sub>P<sub>E</sub></sub>	11 49.5	10	20		S difficult. iL <sub>q</sub> well defined.
	i <sub>S<sub>E</sub></sub>	11 59 11	14	44		
	e <sub>N</sub>	11 58.1				
	S <sub>N</sub>	11 59.0	17		55	
	e <sub>L<sub>E</sub></sub>	12 14.8	20			
	M <sub>1E</sub>	12 16.4	22	35		
	iL <sub>qN</sub>	12 08.4				
	M <sub>1N</sub>	12 09.2	35		70	
	e <sub>L<sub>E</sub></sub>	12 23.9				
	M <sub>2E</sub>	12 24.5	23	54		
	e <sub>L<sub>N</sub></sub>	12 13.8	11			
	F	13.1				
	Dec. 28	e <sub>E</sub>	14 35.1			
e <sub>S<sub>N</sub></sub>		14 41.4	17		24	
e <sub>S<sub>E</sub></sub>		14 41.6				
e <sub>L<sub>E</sub></sub>		14 55.0				
M <sub>1E</sub>		14 57.2	27	20		
e <sub>L<sub>N</sub></sub>		14 55.6	13		17	
F		15.5				

(Signed) J. H. Peters,  
Officer in Charge.

Honolulu, T.H.,  
Jan. 4, 1929.